# **DRAWINGS**

**ARCHITECTURAL** 

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# **STRUCTURAL**

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**MECHANICAL** 

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DRAINAGE AND ROOF PLAN

M101 NEW PLUMBING PLAN - LEVEL 1 AND LEVEL 2 M200 NEW PIPING PLAN - LEVEL 1 AND LEVEL 2 (RESERVED)

M201 NEW PIPING PLAN - ROOF PLAN

M300 NEW HVAC PLAN - LEVEL 1 AND LEVEL 2 M301 NEW HVAC PLAN - ROOF PLAN (RESERVED)

# **ELECTRICAL**

E000 ELECTRICAL DRAWING LIST, LEGEND, NOTES

AND SITE PLAN E100 NEW LIGHTING PLANS - LEVEL 1 AND LEVEL 2 E200 NEW POWER AND SYSTEMS PLANS - LEVEL 1

AND LEVEL 2 E201 NEW ELECTRICAL ROOF PLAN E300 NEW SINGLE LINE DIAGRAM AND ELECTRICAL

ROOM DETAIL

E400 PANEL SHCHEDULES ₹ E500 ELECTRICAL DETAILS

C100 REMOVALS, EROSION & SEDIMENT CONTROL PLAN C101 GRADING AND DRAINAGE PLAN

# LANDSCAPE

CIVIL

PLANTING SITE PLAN

### **KITCHEN**

FS-01 FOODSERVICE EQUIPMENT PLAN

**PRELIMINARY** NOT TO BE USED FOR CONSTRUCTION

# **CLIENT:**

TOWNSHIP OF RIDEAU LAKES

1439 COUNTY ROAD 8 DELTA, ONTARIO K0E 1G0 www.rideaulakes.ca

# ARCHITECT:

www.plusvg.com

**+VG ARCHITECTS** 

1340 WELLINGTON STREET WEST OTTAWA, ONTARIO, CANADA K1Y 3B7 T: 613.680.5557

# **CONSULTANTS:**

BRANTFORD, ONTARIO, CANADA

STRUCTURAL: **+VG ARCHITECTS** 50 DALHOUSIE STREET

N3T 2H8

MECHANICAL: **VANDERWESTEN & RUTHERFORD** 1130 MORRISON DRIVE, SUITE 260 OTTAWA, ONTARIO

K2H 9N6

ELECTRICAL:

**VANDERWESTEN & RUTHERFORD** 1130 MORRISON DRIVE, SUITE 260 OTTAWA, ONTARIO K2H 9N6

LANDSCAPE:

JASON SMALLEY LANDSCAPE DESIGN 2080 DOVERCOURT AVENUE OTTAWA, ONTARIO, K2A 0X1

CIVIL: MCINTOSH PERRY 115 WALGREEN ROAD R.R. 3 CARP, ONTARIO

K0A 1L0

KITCHEN: PLANNED FOODSERVICE SOLUTIONS 1641 OXFORD CRESCENT OTTAWA, ONTARIO K4A 1V3

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PROJECT LOCATION:

PROJECT NUMBER:

24 water street Portland, ontario K0G 1V0

CLIENT:



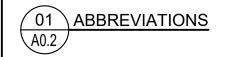
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ARCHITECTS
THE VENTIN GROUP LTD

BRANTFORD TORONTO

A0.1

GENER.	al abbreviations	MATERIALS	S ABBREVIATIONS	BUILDING OBC MATRIX		
A/F/F	- ABOVE FINISHED FLOOR	AB	- ARCHITECTURAL BLOCK	FIRM NAME: +VG ARCHITECTS  CERTIFICATE OF PRACTICE NUMBER:	3353	
A.F. ADJ.	- ABOVE FINISHED - ADJUSTABLE	ACT AWP	- ACOUSTIC CEILING TILE - ACOUSTIC WALL PANEL	1340 WELLINGTON ST. W., OTTAWA, O		
ARCH. BAR.	- ARCHITECTURAL - BARRIER	AT AL	- ACOUSTIC TILE - ALUMINUM	K1Y 3B7 TEL (613) 680-5557		
BD BF	- BOARD - BARRIER FREE	AN AN(C)	- ANODIZED - ANODIZED COLOURED	THE ARCHITECTURAL FIRM NOTED ABO	OVE HAS EXERCISED	
BFP B/N/C	- BACK FLOW PREVENTER - BULL NOSE CORNER	B B&B	- BRICK - BOARD & BATTEN	RESPONSIBLE CONTROL WITH RESPECT		
CBS CCJ	- CALL BUTTON STATION - COMPARTMENT CONTROL JOINT	BPG	- BACK PTD. GLASS	NAME & LOCATION OF PROJECT: PORTLAND M	UNICIPAL HUB	
CH	- CABINET HEATER	CAR CB	- CARPET - CONCRETE BLOCK	24 WATER ST.	, PORTLAND, ONTA	RIO, CANADA, KOG 1V
	- CHALK BOARD - CHANGE TABLE	CCSAF	- CLOSED CELL SPRAY APPLIED FOAM INSULATION	PROJECT DESCRIPTION:	2012 OBC, AMENDED	REMARKS
CW C1	- CONTROL JOINT - CONTROL MODULE	CEM	- CEMENT BOARD		JAN. 1ST, 2022	PART 3
COH COMP.	- COAT HOOK - COMPRESSIBLE	CET / CT	- CERAMIC TILE	BUILDING USE - LIBRARY, COMMUNITY HALL & OFFICES		NEW ADDITION
CONT. CP	- CONTINUOUS - CONTROL PANEL	CL CONC	- CLEAR - CONCRETE			☐ ALTERATION / RENOVATION ☐ CHANGE OF USE
CV	- CONTROL VALVE	C(H)	- HARDENED & SEALED CONC SEALED CONCRETE	MAJOR OCCUPANCY(s):	DIV. B - 3.1.2.1. (1)	OCCUPANCY USE
C/W DBL.	- COMPLETE WITH - DOUBLE	C(S) C(P)	- HARDENED, SEALED &			GROUP A, DIV. 2 LIBR GROUP D OFF
DC DF	- DROPPED CURB - DRINKING FOUNTAIN	EP EM	POLISHED CONCRETE - EXPANDED METAL	SUPERIMPOSED MAJOR OCCUPANCIES:	DIV. B - 3.2.2.7	YES NO
DWG.	- DRAWING		- EPOXY PAINT & PRIMER	SOLEKIMI GOLD IVI ISON GOGGI / INGILO.	511.5 6.2.2.7	DESCRIPTION: GROUND FLO
DS DIST.	- RAIN WATER LEADER - DISTANCE	ESF ET	- EPOXY SEALED FLOORING - EPOXY TERRAZZO			2ND FLOOR -
DISP.	- DISPLAY CASE	F F T	- FIRELITE GLAZING - FLOCKED TILE (CARPETING)	BUILDING AREA (m²):	DIV. A - 1.1.3.1	NEW: 612
ECS ELEV.	- EMERGENCY CALL SWITCH - ELEVATION	GB/GYP. BD.	- GYPSUM BOARD		DIV. A - 1.4.1.2	EXISTING: N/A TOTAL: 612
EPB	- EMERGENCY PUSH BUTTON	GLB Glbl	- GLASS BLOCK - GLAZED BLOCK	GROSS AREA:	DIV. A - 1.1.3.1	THE TOTAL. 612
EW EX	- EYE WASH STATION - EXISTING	GL GWG	- GLAZING / GLASS - GEORGIAN WIRE GLAZING	(OBC DEFINITION: TOTAL AREA OF ALL FLOORS ABOVE GRADE	DIV. A - 1.4.1.2	GROUND FLOOR: 575
EXP. EXIST.	- EXPOSED - EXISTING	GM GMT	- GYM MAT - GLASS MOSAIC TILE	MEASURED BETWEEN THE OUTSIDE SURFACES OF EXTERIOR		2ND FLOOR: 590.2 TOTAL: 1,165.2
FADS	- FACILITY ACCESSIBILITY DESIGN	HM HARDWD.	- HOLLOW METAL - HARDWOOD	WALLS)	DIV. B - 3.1.5.24	N.A.
FB	STANDARDS - FIRE BLANKET	HDG	- HOT DIPPED GALV.	MEZZANINE AREA (m²):	DIV. B - 3.1.3.24 DIV. B - 3.2.1.1	□ FLOOR
FD FDG	- FLOOR DRAIN - FOLD DOWN GRAB BAR	L/C/C LINO	- LEAD COATED COPPER - LINOLEUM			FLOOR:
FDTN.	- FOUNDATION	LVT LVP	- LUXURY VINYL TILE - LUXURY VINYL PLANK	MEZZANINE CONSIDERED TO BE A STOREY	DIV. B - 3.2.1.1.(3)/(4)	TOTAL:
F/D/C FEC	- FIRE DEPARTMENT CONNECTION - FIRE EXT. CABINET	LXG	- LEXAN GLAZING	MILLEL MAINE CONSIDERED TO BE A STORET	/(5)/(6)/(7)/(8)	DESCRIPTION:
FE FDG	- FIRE EXTINGUISHER - FOLD DOWN GRAB BAR	MAR MAS	- MARMOLEUM - MASONITE	BUILDING HEIGHT (NUMBER OF STOREY'S)	DIV. B - 3.2.1.6 DIV. B - 3.2.1.1	ABOVE GRADE: 2
FLEX.	- FLEXIBLE	MS	- MASONRY	<u> </u>	DIV. A - 1.4.1.2	BELOW GRADE: 0
	- FLOOR - FLOORING	MTL P/BW	- METAL - MOVEABLE WALL SYSTEM	HEIGHT OF BUILDING(m):	DIV. B - 3.2.6.1	12.8m (FIN. FLOOR TO U/S. H
F/R/R FS	- FIRE RESISTANCE RATING - FOLD DOWN SHOWER SEAT	NAT.	- NATURAL - EXP.'D - PARTICLE BOARD	HIGH BUILDING:	DIV. B - 3.2.6.1	·
FTG.'S	- FOOTINGS	P€ BL/ PTD	- PRECAST CONC.	NUMBER OF STREETS/ ACCESS ROUTES:	DIV. B - 3.2.5	2 STREET(S)
F/V GALV.	- FIELD VERIFY - GALVANIZED	₽ <u>l</u> / PTD.	- PAINTED - PREFINISHED	BUILDING CLASSIFICATION:	DIV. B - 3.2.2.25.	GROUP A DIVISION 2, UP TO 2 STOREYS
GB GD	- GRAB BAR - GARBAGE DISPOSAL	PLAM	- PLASTER - PLASTIC LAMINATE			NON-SPRINKLERED
GEN	- GENERAL	₱ţYWD. PSP	- PLYWOOD - PIERCED STEEL PLANKING			(1) A building classified a conform to Sentence (2) pro
HB HD	- HOSE BIB - HAND DRYER		- PORCELAIN TILE			(a) it is not more than 2 st (b) it has a building area
HDCP	- HANDICAPED	RQF RB	- PARQUET FLOORING - QUARRY TILE			3.2.2.25.
HO HORIZ.	- HOLD OPEN - HORIZONTAL	S	- RUBBER - RUBBER BASE			TABLE 3.2.2.25 2 Storeys, Fo
INSUL. IMD	- INSULATION - INSULATED METAL DOOR	RSF	- RESILIENT SHEET FLOORING - STONE			(2) The building referred to combustible construction or
KP L	- KEY PAD - LOCK	\$AFF	- SAFETY FLOORING			construction used singly or in (a) floor assemblies shall be
M / MIR	- MIRROR	SC	- SPECIAL COATING - SPORTS FLOORING			combustible construction, st less than 45 min,
MAX.	- MANUFACTURED - MAXIMUM	SG SGL	- LAMINATED SAFETY GLASS - SPANDREL GLAZING			(b) mezzanines shall have fire-resistance rating not less
MECH. MIN.	- MECHANICAL - MINIMUM	SHV S <del>.</del> S.	- SHEET VINYL FLOORING - SOLID SURFACE			(c) roof assemblies shall h
MS	- MOP SINK	§ <sub>T</sub> S. SPC	- SPECIAL COATING			(d) in a building not more fire-resistance rating is perm
N/I/C NO.	- NOT IN CONTRACT - NUMBER	STL	- STUCCO - STEEL			(e) the roof assembly is co wood roof system conforming
NTS OBC	- NOT TO SCALE - ONTARIO BUILDING CODE	\$/S - ST. STL.	- STAINLESS STEEL			(f) the building area is no (g) (i) 800 m2 if facing or
O.H. O.T.A	- OVER HANG - OPEN TO ABOVE	\$&V	- STAINED & VARNISHED - TEMPERED GLAZING / GLASS			(i) (ii) 1 000 m2 if facing or (ii) 1 000 m2 if facing (ii) (iii) 1 200 m2 if facing
PER.('S)	- PERIMETER / PERIMETERS	TDG TBB	- TEMPERED DOUBLE GLAZING - TILE BACKER BOARD			(i) (iii) 1 200 m2 if facing (j) (d) loadbearing walls assembly required to have a
PB PTD/D	- POWER OPERATOR BUSH BUTTON - PAPER TOWEL DISPENSER/DISPOSAL	TECTUM TERR	- TECTUM ACOUSTIC PANEL - TERRAZZO			(k) (i) have a fire-resistan
P/I/P	- POURED IN PLACE - PRE-FINISHED	ரு.S.	- TOP SOIL		DIV. B - 3.2.2.55.	(I) (ii) be of noncombust
PRES.TR	- PRESERVATIVE TREATED	TURF	- ARTIFICIAL TURF - POLYURETHANE		3.2.2.00.	UP TO 2 STOREYS, 1000m <sup>2</sup> AF NON-SPRINKLERED
	- RECESSED CAB HEATER - REQUIRED	VCGB VCP	- VINYL COATED GYPSUM BOARD - VENEER CORE PLYWOOD			(1) A building classified a
R.C.P REINF.	- REFLECTED CEILING PLAN - REINFORCED	VCT	- VINYL COMPOSITE TILE			Sentence (2) provided, (a) it is not more than 2 st
REF.	- REFERENCE	VPF VR	- VINYL PLANK FLOORING - VENTED RUBBER BASE			(b) it has a building area 3.2.2.55.
RD RM	- ROOF DRAIN - ROOM	WD WP	- WOOD - WATER PROOFING			TABLE 3.2.2.55 2 Storeys, Fo
RWL SCD	- RAIN WATER LEADER - TOILET SEAT COVER DISPENSER		-			(2) The building referred t
SCH.'S SD	- SCHEDULES - SCUPPER DRAIN					combustible construction or construction used singly or in
SH	- SOAP HOLDER	ROOM NA	MES			(a) floor assemblies shall be combustible construction, st
shf snd	- Shelf - Sanitary Napkin Disposal	CL - CI	LASSROOM			less than 45 min, and (b) loadbearing walls, col
SNV	- SANITARY NAPKIN VENDING DISPENSER	COMM - C	OMMUNICATION ONFERENCE			assembly required to have (i) have a fire-resistance
SPD SPEC'D	- SOAP DISPENSER - SPECIFIED	CORR - C	ORRIDOR ENTRE			(ii) have a tire-resistance (iii) be of noncombustible
STRUCT.	- STRUCTURAL	ELEC - EL	ECTRICAL	SPRINKLER SYSTEM PROPOSED:	DIV. B - 3.2.1.5	☐ ENTIRE BUILDING
S/W TB	- SIDE WALK - TACK BOARD	EX - EX	EVATOR (ISTING		DIV. B - 3.2.2.17 DIV. B - 3.2.2.2083	☐ BASEMENT ONLY ☐ IN LIEU OF ROOF RATING
THERM TM	- THERMAL - TILTED MIRROR	EXIST - EX RECEIV - RE	(ISTING ECEIVING		3.2.2.20 .00	NOT REQUIRED
TOB	- TOWEL BAR	RM - RO	DOM HOWER	STANDPIPE REQUIRED:	DIV. B - 3.2.9.1	☐ YES <b>1</b> NO
TPD TYP.	- TOILET PAPER DISPENSER - TYPICAL	STOR - ST	ORAGE	FIRE ALARM REQUIRED:	DIV. B - 3.2.4.1	☐ YES <b>▼</b> NO
U/C U/S	- UNDER CUT - UNDER SIDE		estibule Ashroom			☐ SINGLE STAGE ☐ TWO
VAP.	- VAPOUR	.,		WATER SERVICE/ SUPPLY IS ADEQUATE:		☐ YES ☐ NO
VERT. W/	- VERTICAL - WITH			PERMITTED CONSTRUCTION:	DIV. B - 3.2.2 DIV. B - 3.2.1.4	COMBUSTIBLE
WB W.C.	- WHITE BOARD/MARKER BOARD - WHEEL CHAIR			ACTIVA CONSTRUCTION	ט. ייוט - אוט - אוט	NON COMBUSTIBLE
W.C. WR	- WASTE RECEPTICLE			ACTUAL CONSTRUCTION:		☐ COMBUSTIBLE ☐ NON COMBUSTIBLE
/ %	- PER - PERCENT			IMPORTANCE CATEGORY:	DIV. B - 4.1.2.1.(3) TABLE 4.1.2.1.B	□ LOW
@ o/c	- AT - ON CENTER				IADLE 4.1.2.1.8	□ NORMAL
						HIGH
						☐ POST-DISASTER
				SEISMIC HAZARD INDEX	DIV. B - 4.1.2.1.(3) DIV. B - 4.1.8.18(2)	HAZARD INDEX
				TOTAL OCCUPANCY LOADING:		SEISMIC DESIGN REQ'D FOR T



FIRM NAME: +VG ARCHITECTS  CERTIFICATE OF PRACTICE NUMBER: 3  1340 WELLINGTON ST. W., OTTAWA, C  K1Y 3B7		
TEL (613) 680-5557  THE ARCHITECTURAL FIRM NOTED ABOV		
RESPONSIBLE CONTROL WITH RESPECT T  NAME & LOCATION OF PROJECT: PORTLAND MU		
24 WATER ST., PROJECT DESCRIPTION:	PORTLAND, ONTAI	RIO, CANADA, KOG 1V0 REMARKS
TROJECT DESCRIPTION.	JAN. 1ST, 2022	PART 3
BUILDING USE - LIBRARY, COMMUNITY HALL & OFFICES		NEW ADDITION ALTERATION / RENOVATION CHANGE OF USE
MAJOR OCCUPANCY(s):	DIV. B - 3.1.2.1. (1)	OCCUPANCY USE GROUP A, DIV. 2 LIBRARY & COMMUNITY HALL GROUP D OFFICES
SUPERIMPOSED MAJOR OCCUPANCIES:	DIV. B - 3.2.2.7	YES NO N.A.  DESCRIPTION: GROUND FLOOR - GROUP A, DIVISION 2
BUILDING AREA (m²):	DIV. A - 1.1.3.1	2ND FLOOR - GROUP D  NEW: 612 m <sup>2</sup>
	DIV. A - 1.4.1.2	$\begin{array}{ c c c c c }\hline & EXISTING: & N/A & m^2\\\hline \hline & TOTAL: & 612 & m^2\\\hline \end{array}$
GROSS AREA: (OBC DEFINITION:	DIV. A - 1.1.3.1 DIV. A - 1.4.1.2	GROUND FLOOR: 575 m <sup>2</sup>
TOTAL AREA OF ALL FLOORS ABOVE GRADE MEASURED BETWEEN THE OUTSIDE SURFACES OF EXTERIOR WALLS)	3	2ND FLOOR: 590.2 m <sup>2</sup> TOTAL: 1,165.2 m <sup>2</sup>
MEZZANINE AREA (m²):	DIV. B - 3.1.5.24 DIV. B - 3.2.1.1	M.A.  □ FLOOR m²  FLOOR: m²  TOTAL: m²
MEZZANINE CONSIDERED TO BE A STOREY	DIV. B - 3.2.1.1.(3)/(4)	
	/(5)/(6)/(7)/(8) DIV. B - 3.2.1.6	DESCRIPTION:
BUILDING HEIGHT (NUMBER OF STOREY'S)	DIV. B - 3.2.1.1 DIV. A - 1.4.1.2	ABOVE GRADE: 2 BELOW GRADE: 0
HEIGHT OF BUILDING(m): HIGH BUILDING:	DIV. B - 3.2.6.1	12.8m (FIN. FLOOR TO U/S. HIGHEST ROOF DECK)
NUMBER OF STREETS/ ACCESS ROUTES:	DIV. B - 3.2.2.10 DIV. B - 3.2.5	2 STREET(S)
BUILDING CLASSIFICATION:	DIV. B - 3.2.25.	GROUP A DIVISION 2, UP TO 2 STOREYS, 1000m² AREA,
SPRINKLER SYSTEM PROPOSED:	DIV. B - 3.2.2.55.	(a) it is not more than 2 storeys in building height, and (b) it has a building area not more than the value in Table 3.2.2.25.  TABLE 3.2.2.25 2 Storeys, Facing 2 Streets = 1000m²  (2) The building referred to in Sentence (1) is permitted to be combustible construction or noncombustible construction used singly or in combination, and, (a) floor assemblies shall be fire separations and, if of combustible construction, shall have a fire-resistance rating not less than 45 min, (b) mezzanines shall have, if of combustible construction, a fire-resistance rating not less 45 min, (c) roof assemblies shall have, if of combustible construction fire-resistance rating not less 45 min, (c) roof assemblies shall have, if of combustible construction fire-resistance rating not less than 45 min, except that (d) in a building not more than 1 storey in building height, th fire-resistance rating is permitted to be waived provided (e) the roof assembly is constructed as a fire-retardant treat wood roof system conforming to Article 3.1.14.1., and (f) the building area is not more than, (g) (i) 800 m2 if facing one street, (n) (ii) 1 000 m2 if facing two streets, or (i) (iii) 1 200 m2 if facing three streets, and (ji) (d) loadbearing walls, columns and arches supporting assembly required to have a fire-resistance rating shall, (k) (i) have a fire-resistance rating not less than 45 min, or (l) (ii) be of noncombustible construction.  GROUP D  UP TO 2 STOREYS, 1000m² AREA,  NON-SPRINKLERED  (1) A building classified as Group D is permitted to conform Sentence (2) provided, (a) it is not more than 2 storeys in building height, and (b) it has a building area not more than the value in Table 3.2.2.55.  TABLE 3.2.2.55 2 Storeys, Facing 2 Streets = 1000m²  (2) The building referred to in Sentence (1) is permitted to be combustible construction or noncombustible construction assembly required to have a fire-resistance rating shall, (i) have a fire-resistance rating not less than 45 min, or (ii) be of noncombustible construction.
SPRINKLER SYSTEM PROPOSED:  STANDPIPE REQUIRED:	DIV. B - 3.2.1.5 DIV. B - 3.2.2.17 DIV. B - 3.2.2.2083	☐ ENTIRE BUILDING ☐ BASEMENT ONLY ☐ IN LIEU OF ROOF RATING ☐ NOT REQUIRED ☐ YES NO
FIRE ALARM REQUIRED:	DIV. B - 3.2.4.1	☐ YES ▼ NO
		☐ SINGLE STAGE ☐ TWO STAGE
WATER SERVICE/ SUPPLY IS ADEQUATE: PERMITTED CONSTRUCTION:	DIV. B - 3.2.2	☐ YES ☐ NO ☐ COMBUSTIBLE BOTH
. ETITLE CONTINUOUS.	DIV. B - 3.2.1.4	□ NON COMBUSTIBLE □ HEAVY TIMBER CONSTRUCTION
ACTUAL CONSTRUCTION:		□ COMBUSTIBLE ■ BOTH □ NON COMBUSTIBLE □ HEAVY TIMBER CONSTRUCTION
MPORTANCE CATEGORY:	DIV. B - 4.1.2.1.(3) TABLE 4.1.2.1.B	□ LOW □ LOW HUMAN OCCUPANCY □ POST-DISASTER SHELTER □ NORMAL
		☐ HIGH ☐ MINOR STORAGE BUILDING ☐ EXPLOSIVE / HAZARD SUBSTANG ☐ POST-DISASTER
SEISMIC HAZARD INDEX	DIV. B - 4.1.2.1.(3) DIV. B - 4.1.8.18(2)	HAZARD INDEX  SEISMIC DESIGN REQ'D FOR TABLE 4.1.8.18 (6)-(21) YES IN
TOTAL OCCUPANCY LOADING: 2 STOREYS (REFER TO OCCUPANCY FLOOR PLANS)	DIV. B - 3.1.17.1(c)	▼ m²/PERSON  THE NUMBER OF PERSONS FOR WHICH THE AREA IS DESIGNED.
LOADING:		59 LIBRARY/MULTIPURPOSE ROOM (1.85m²/PERSON)
2 STOREYS (REFER TO OCCUPANCY FLOOR PLANS)  LOADING:	DIV. B - 3.1.17.1(c)	DESIGNED.

YES NO (EXPLAIN) (OBC ONLY)

DIV. B - 3.8

PLUMBING FIXTURES:						DIV. B - 3.7.4.3. (A) AND DIV. B - 3.7.4.7.			6 FEMA 2 ADDI	4 MALE W.C.'s REQUIRED - 3 PROVIDED 6 FEMALE W.C.'s REQUIRED - 3 PROVIDED + 2 ADDITIONAL UNISEX W.C.'s PROVIDED (1 BF) + 1 UNIVERSAL WASHROOM			
							COUNT	S FOR BOTH	P WC PROVIDED. UNIV I MALE AND FEMALE A E/FEMALE WC PROVID	S PER OBC			
HAZARD	OUS SUBSTA	NCES:				DIV. A	1.4.1.2		☐ YES	NO NO			
REQUIRE	D FIRE RESIS												
LOORS (	A OVER BASEN		ES FRR (HOU	JRS): N/A		N/A			N/A	LISTED DES	SIGN NUMBER:		
LOORS:				45 MIN. IF CC		DIV. B -	3.2.2.25.		U.L.C.#				
roof: mezzanii	NE:			45 MIN. IF CC N/A	)MB.	DIV. B -	3.2.2.25.		U.L.C.# N/A	·:			
FRR OF SU	JPPORTING	MEMBER	'S:							DESIGN NU	JMBER:		
LOORS (	OVER BASEN	MENT:		N/A 45 MIN. IF CC	NAD.	N/A	3.2.2.25.		N/A U.L.C.#				
ROOF:				45 MIN. IF CC N/A		DIV. B -	3.2.2.25.		U.L.C.#				
MEZZANII						N/A			N/A  TYPICAL NOTE: ALL SUPPORTING STEEL, IN A FLOOR ASSEMBLY OR SUPPORTIN RATED ASSEMBLY, REQ'D. TO BE FIRE RATED & NOT PROTECTE MIN. CONC. BLOCK COVER / FIRE RATED GYP. BD. ASSEMBLY SPRAY FIRE PROOFING ON ALL SIDES, SHALL BE PROTECTED V INTUMESCENT PAINT APPLICATION TO OBTAIN MIN. REQ'D. FIR RESISTANCE RATING.			ED & NOT PROTECTED BY GYP. BD. ASSEMBLY OR ALL BE PROTECTED W.	
	DISTANCE TO D. W/ LIFE SA			OORS:		DIV. E	3 - 3.3.1.5	.(A)	SINGLE MAX. TE	DOORS: EGRESS DO	OR FROM ROOM OR S NCE = 15m ( AREA TO		
									GROUP D EGRESS DOORS: SINGLE EGRESS DOOR FROM ROOM OR SUI MAX. TRAVEL DISTANCE = 25m ( AREA TO B LESS THAN 200m )				
				DIV. B - 3.3.1.6			GROUP A2 MORE THAN ONE EGRESS DOOR FROM ROOM OR SUITE: MAX. TRAVEL DISTANCE = 30 m						
									OR SUIT	THAN ONE E	GRESS DOOR FROM R	ООМ	
						DIV. B - 3.4.2.5(f)  DIV. B - 3.4.2.5(b)  DIV. B - 3.4.2.4(3)			GROUP A2 EXIT DOORS: MAX. TRAVEL DISTANCE = 30 m  GROUP D EXIT DOORS: MAX. TRAVEL DISTANCE = 40 m  EXIT DOORS: MAX. TRAVEL DISTANCE TO EXIST FROM ANY POINT IN SERVICE SPACE = 50m				
FIRE EXTII	NGUISHERS:					DIV. B	3 - 3.2.5.1	7	▼ YES □ NO				
	SEPARATION JCTION OF I		R WALLS			DIV. B	3 - 3.2.3		☐ SPRI	inklered bl	JILDING <b>Y</b> NON-	SPRINKLERED BUILDING	
WALL	AREA OF E.B.F. (m <sup>2</sup> )	L.D. (m)	L/H OR H/L	PERMITTED MAX. % OF OPENINGS	%	POSED S OF ENINGS	F.R.R. (hrs)	DESIG	TED N OR IPTION	COMB. CONSTR.	COMB, CONSTR. NONCOMB. CLADDING	NON COMB. CONSTRUCTION	
NORTH	286.6	10.2	3:1-10:1	37.63%	38%	, >	45MIN	ULC [	es W453	<b>1</b>	OBC 3.2.3.7.(5)(a)		
AST	108.8	15	<3:1	100%	68%		N/A	N/A		<b>√</b>			
OUTH WEST	286.6 128.6	35.7 3.5	3:1-10:1 <3:1	100%	25%		N/A 1HR	N/A	es W453	<b>—</b>	./		
-	EFFICIENCY:		-0.1	12.00/0	24/0	SB-1	11.11X	JLC L		IC ZONE	: ZONE 6	( 4540 DEGREE DAYS)	
_,,_,,	_, , , , , , , , , , , , , , , , , , ,					SB-10				JANCE PATI		017 (NONRESIDENTIAL)	
	L NOTES:											,	
2. ALI FREE REQ NFORM T PROCEED BARRIER-	CRITICAL B I.'S ARE TO B I'HE ARCHITE DING W/ AN	ARRIER F E REVIEV ECT OF A Y PART C	FREE DIM.'S VED & CON NY CONFL DF THE AFFE RWAYS:	TO COMPLY V NFIRMED BY TH ICTS PRIOR TO ECTED WORK.	V/ OB( E GEN INSTA	C & ANY IERAL CO LLING W	' APPLICA ONTRACT 'ORK & O	ABLE AC OR ON BTAIN S	CESSIBILI SITE THAT UPPLEME	ITY BY-LAWS 「ALL DIM.'S :NTAL INSTRI	ED JANUARY 1, 2022.  OF THAT SPECIFIC REC & MIN. CLEARANCES / JCTIONS FROM THE AR  A MINIMUM CLEAR WII	RCHITECT BEFORE	
UN SID	LESS EQUIPP E EXTENDIN	ED W/ A G THE HE	POWER DO	OOR OPERATO	)r, a [ & no1	Door in T less th	I A BARRI AN 650m	ER-FREE	EPATH OF OND THE I	TRAVEL SH. EDGE OF TH	HAN 1020mm, SMALLEI ALL HAVE A CLEAR SP, E DOOR OPENING IF T E APPROACH SIDE.	ACE ON THE LATCH	
EVE WH		HAT PRO	NCORPOR								EQUIPPED W/ A POWEI HE FLOOR AREA SHALL		

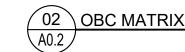
THE CONTROL FOR A POWER DOOR OPERATOR SHALL HAVE NO FACE DIMENSION LESS THAN 150mm IN DIAMETER WHERE THE CONTROL IS CIRCULAR OR 50mm BY 100mm WHERE RECTANGULAR (REFER TO OBC 3.8,3.3(17), HAVE ITS CENTER LOCATED BETWEEN 900mm AND NOT MORE THAN 1100mm A/F/F OR GROUND, BE LOCATED NOT LESS THAN 600mm MIN. & NOT MORE THAN 1500mm BEYOND THE DOOR SWING WHERE THE DOOR OPENS TOWARDS THE CONTROL & CONTAIN THE SIGN INCORPORATING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. WHEN THE DOOR OPENS INTO THE ADJACENT ROOM, THE CONTROL ON THAT SIDE OF THE DOOR SHALL BE LOCATED NOT LESS THAN 310mm FROM THE DOOR FRAME TO THE CLOSEST EDGE OF THE BOTTOM.

DOOR OPENING DEVICES THAT ARE THE ONLY MEANS OF OPERATION SHALL BE OF A DESIGN THAT DOES NOT REQUIRE TIGHT GRASPING & TWISTING OF THE WRIST.

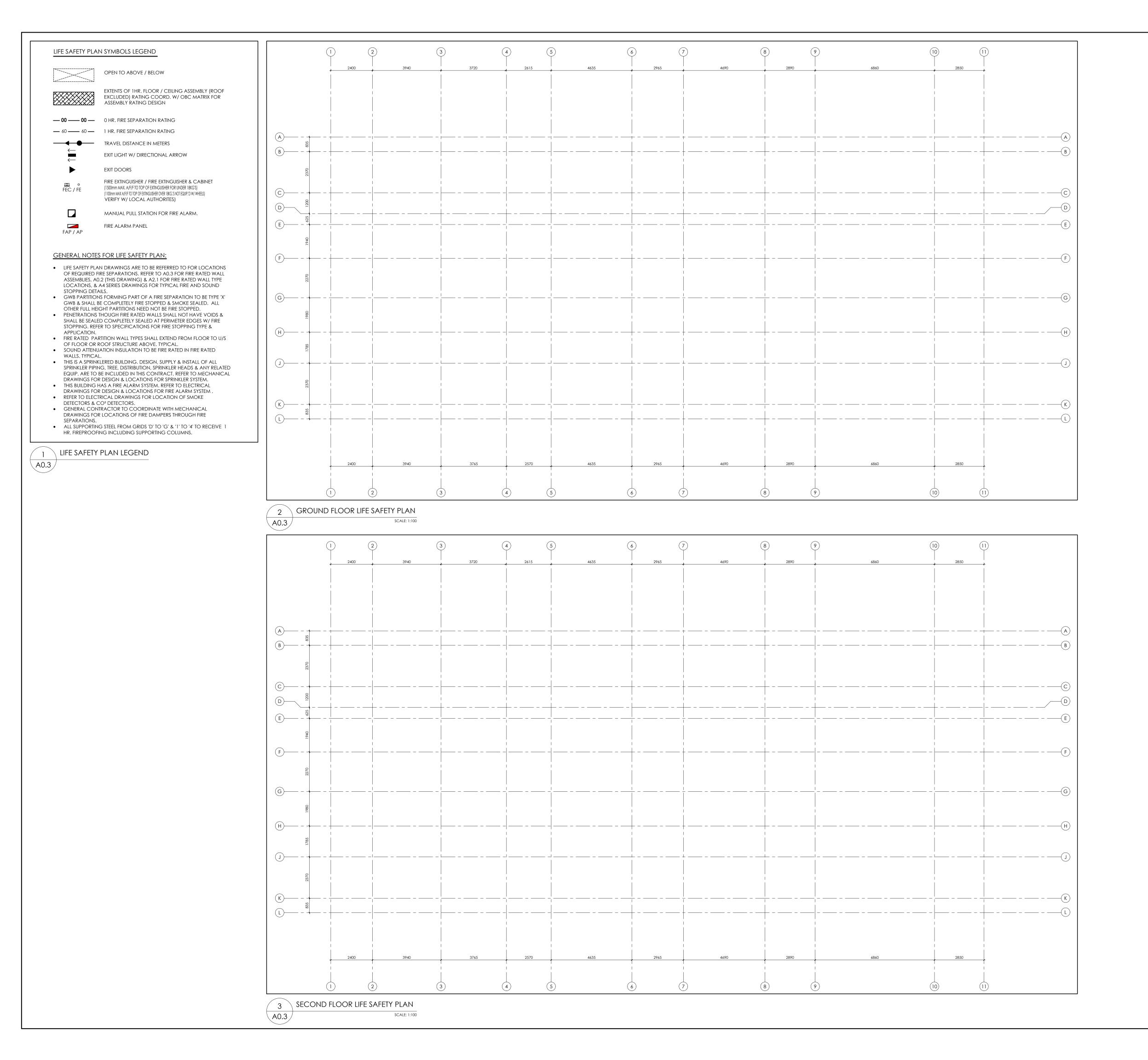
VISION STRIPS, 3.8.3.3(15):

ALL DOORS IN A BARRIER-FREE PATH OF TRAVEL CONSISTING OF A SHEET OF GLASS SHALL BE MARKED W/ A CONT. OPAQUE STRIP THAT SHALL BE COLOUR & BRIGHTNESS CONTRASTED TO THE BACKGROUND OF THE DOOR, SHALL BE AT LEAST 50mm WIDE, SHALL BE LOCATED ACROSS THE WIDTH OF THE DOOR @ A HEIGHT OF 1350mm TO 1500mm A/F/F. (ACCESSIBILITY BY-LAWS OF THAT SPECIFIC REGION MAY REQUIRE TWO VISION STRIPS).

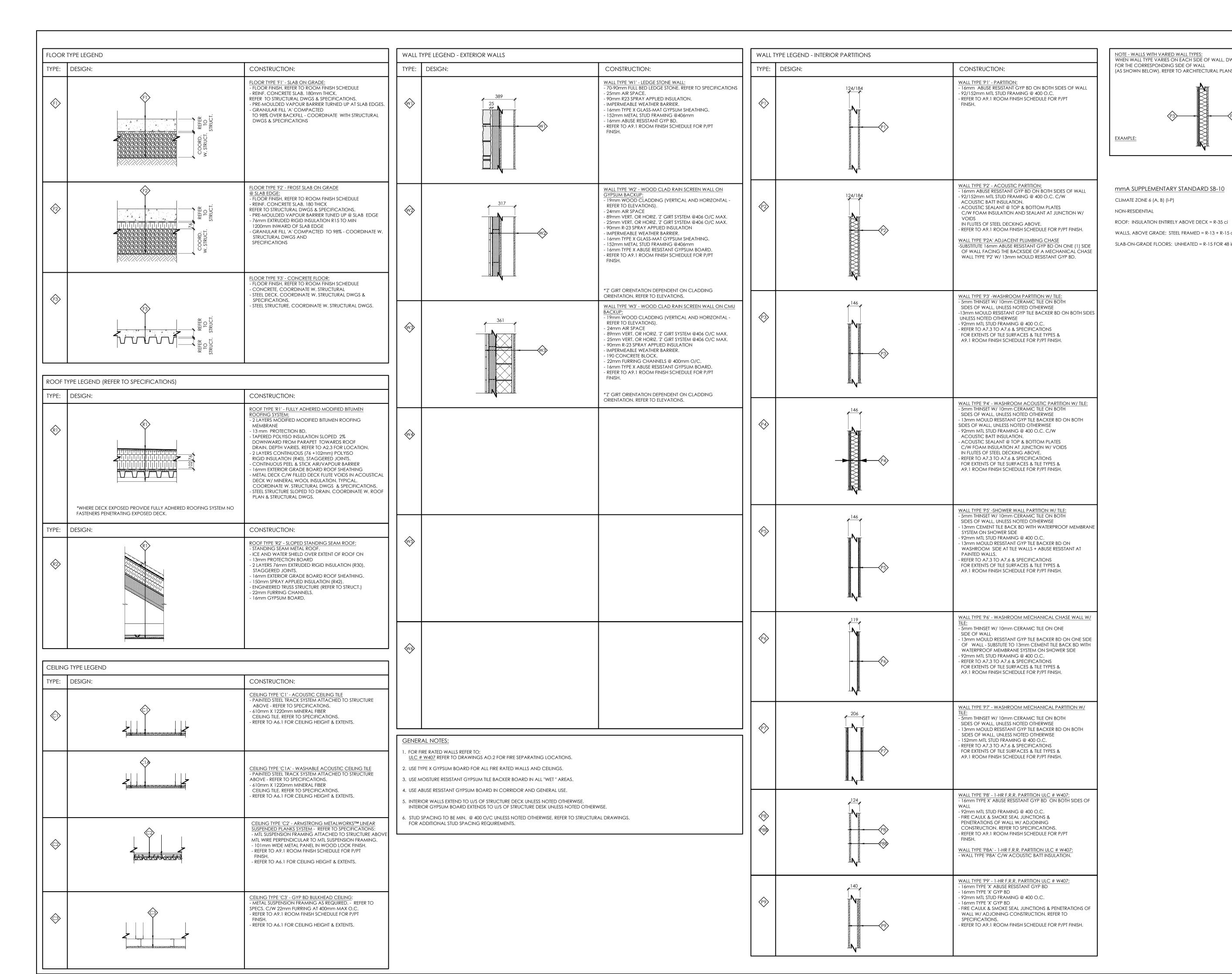
REVISIONS NO. DATE PARTICULAR 1 22.07.11 ISSUED FOR 33% REVIEW NOTES: KEY PLAN: TOWNSHIP OF RIDEAU LAKES 1439 COUNTY ROAD 8 DELTA, ONTARIO PROJECT: #22114 PORTLAND MUNICIPAL HUB 24 WATER STREET PORTLAND ONTARIO K0G 1V0 ORIGINAL PAGE SIZE ARCH D - 24" x 36" KEY TO DETAIL LOCATION: A - DETAIL NO. B - DETAIL NO. ORIGIN

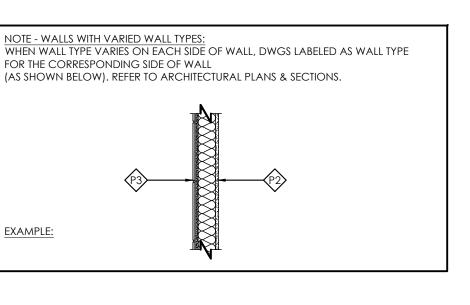


BARRIER-FREE DESIGN:



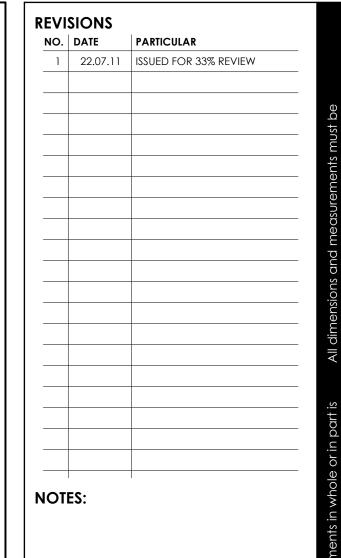
**REVISIONS** NO. DATE PARTICULAR 1 22.07.11 ISSUED FOR 33% REVIEW NOTES: KEY PLAN: TOWNSHIP OF RIDEAU LAKES 1439 COUNTY ROAD 8 DELTA, ONTARIO PROJECT: #22114 PORTLAND MUNICIPAL HUB 24 WATER STREET PORTLAND ONTARIO ORIGINAL PAGE SIZE ARCH D - 24" x 36" KEY TO DETAIL LOCATION: A - DETAIL NO. B - DETAIL NO. ORIGIN ARCHITECTS
THE VENTIN GROUP LTD





mma supplementary standard SB-10 CLIMATE ZONE 6 (A, B) (I-P) NON-RESIDENTIAL

WALLS, ABOVE GRADE: STEEL FRAMED = R-13 + R-15 ci SLAB-ON-GRADE FLOORS: UNHEATED = R-15 FOR 48 in.



**KEY PLAN:** 

TOWNSHIP OF RIDEAU LAKES 1439 COUNTY ROAD 8 DELTA, ONTARIO

PROJECT: #22114

PORTLAND MUNICIPAL HUB

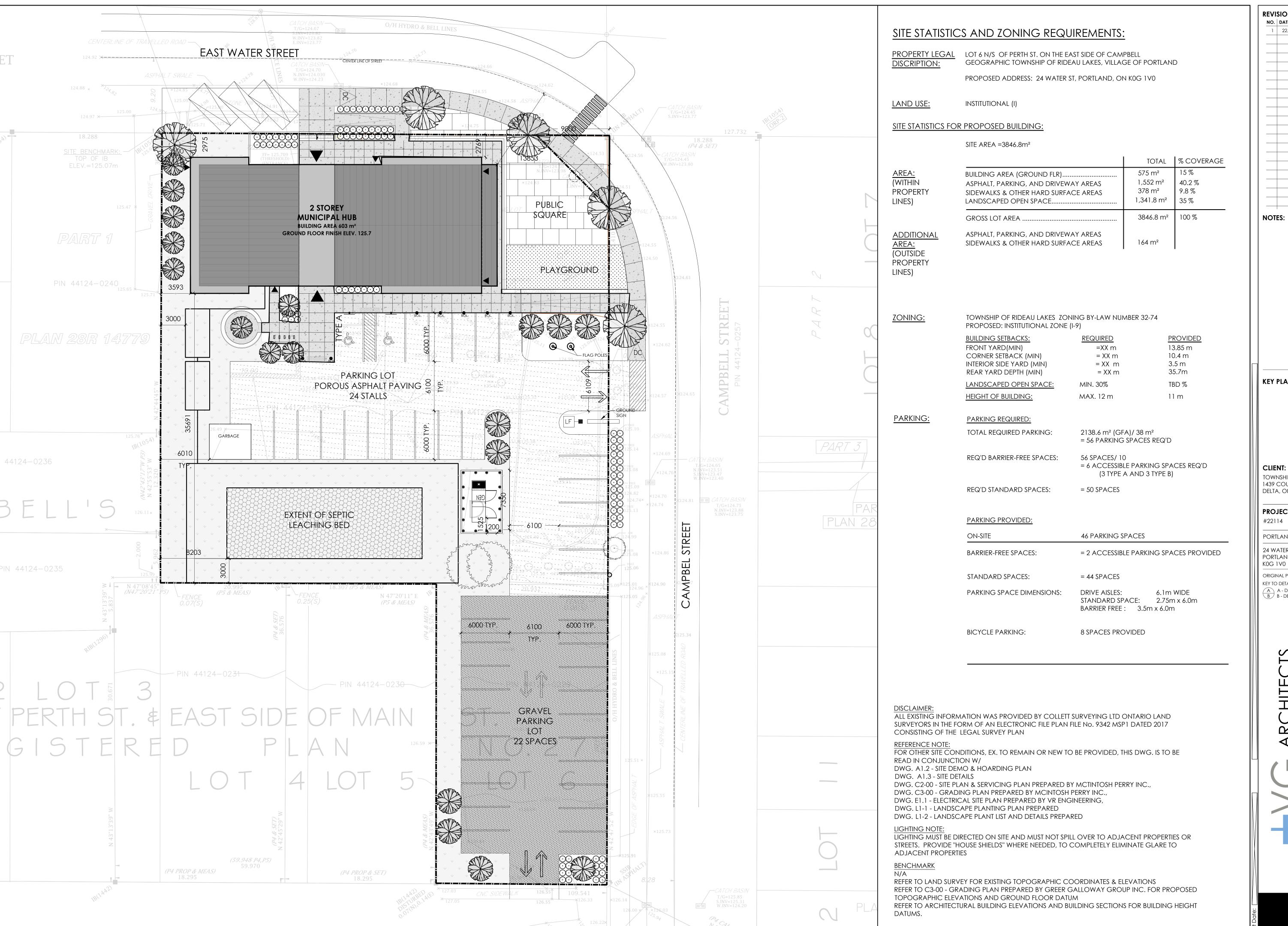
24 WATER STREET

PORTLAND ONTARIO K0G 1V0

ORIGINAL PAGE SIZE ARCH D - 24" x 36"

KEY TO DETAIL LOCATION: A - DETAIL NO.

B - DETAIL NO. ORIGIN



**REVISIONS** PARTICULAR NO. DATE 1 22.07.11 ISSUED FOR 33% REVIEW **NOTES:** 

**KEY PLAN:** 

TOWNSHIP OF RIDEAU LAKES 1439 COUNTY ROAD 8 DELTA, ONTARIO

PROJECT:

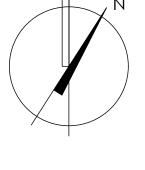
PORTLAND MUNICIPAL HUB 24 WATER STREET

PORTLAND ONTARIO

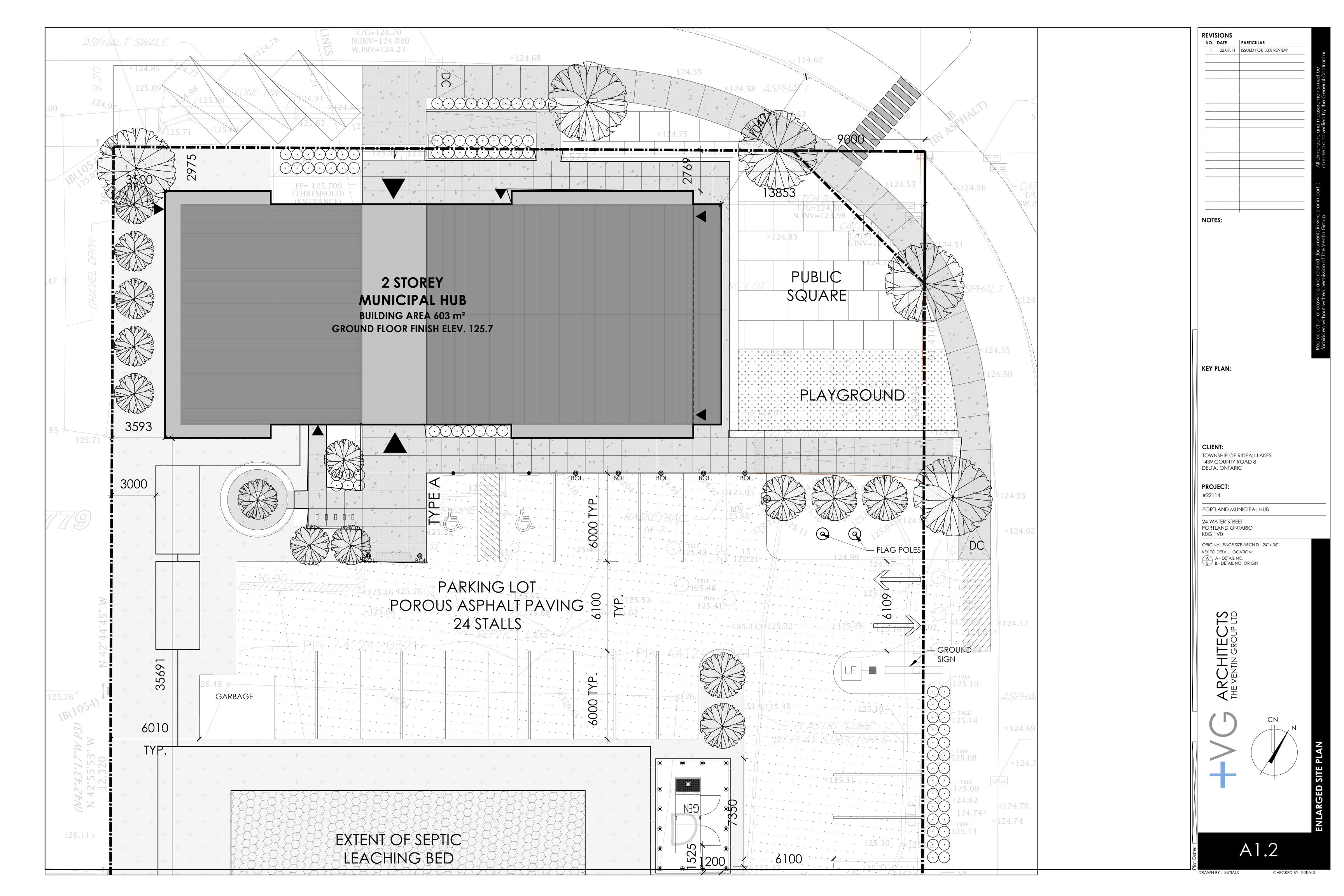
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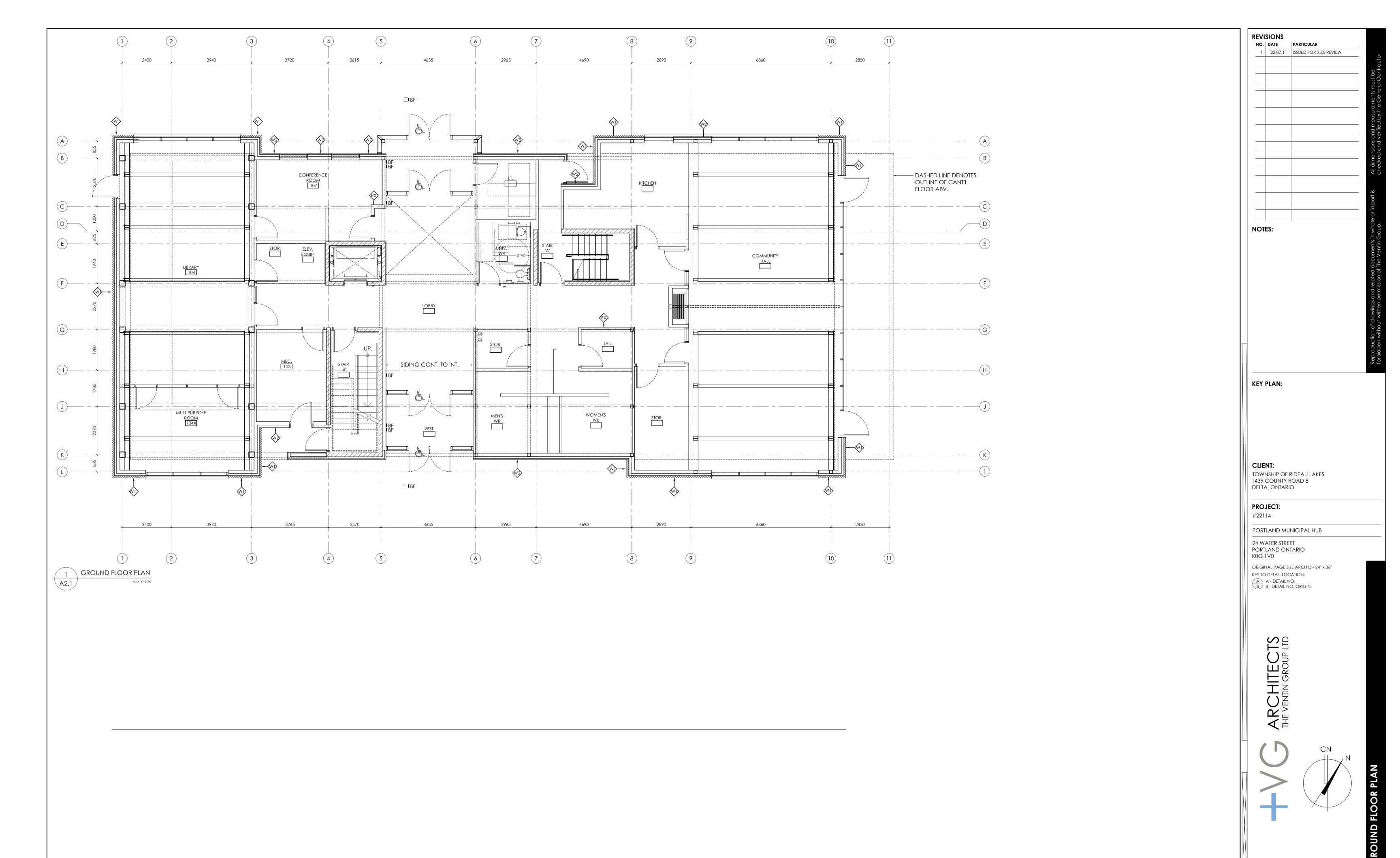
A - DETAIL NO. B - DETAIL NO. ORIGIN

ARCHITECTS
THE VENTIN GROUP LTD



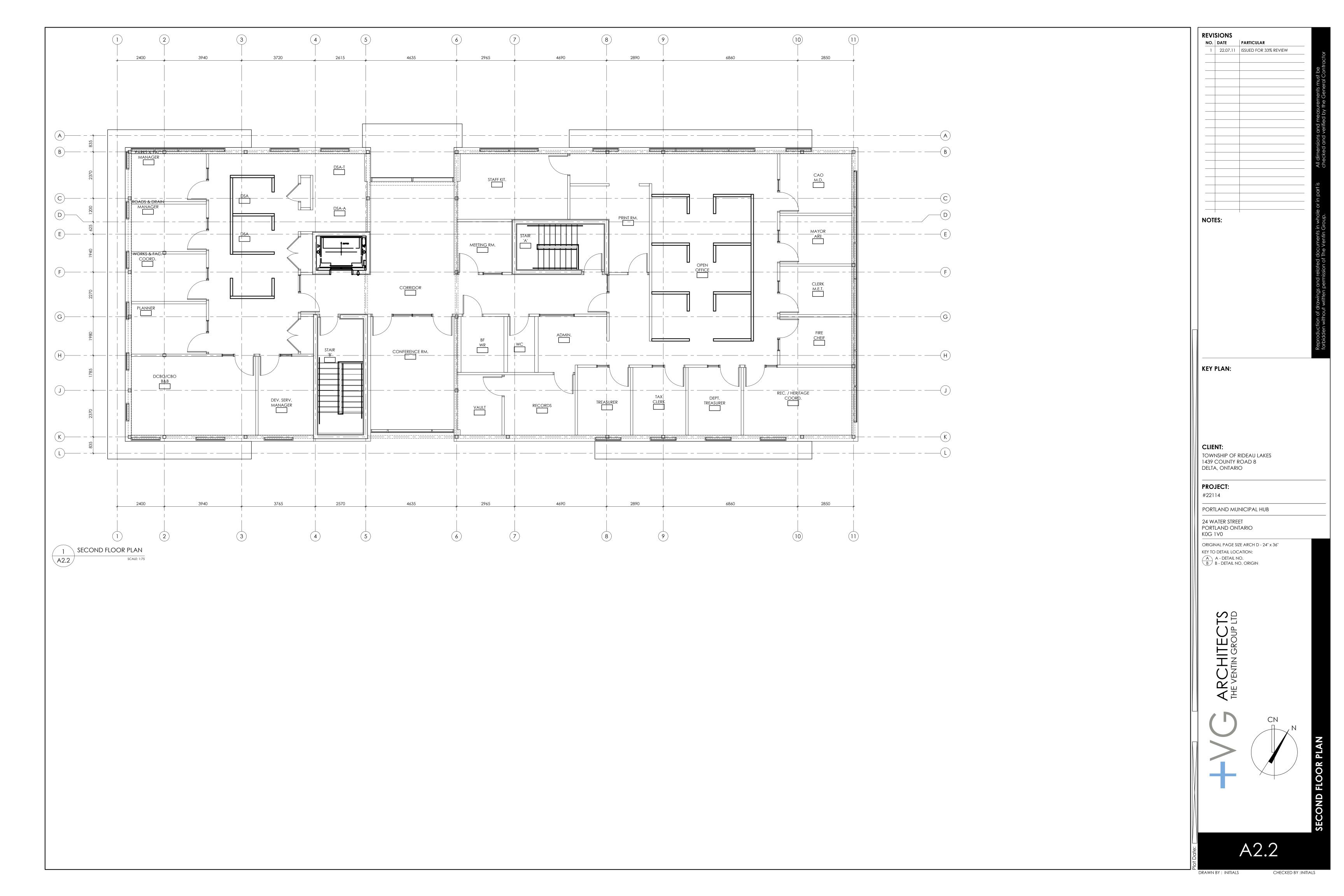
A1.1



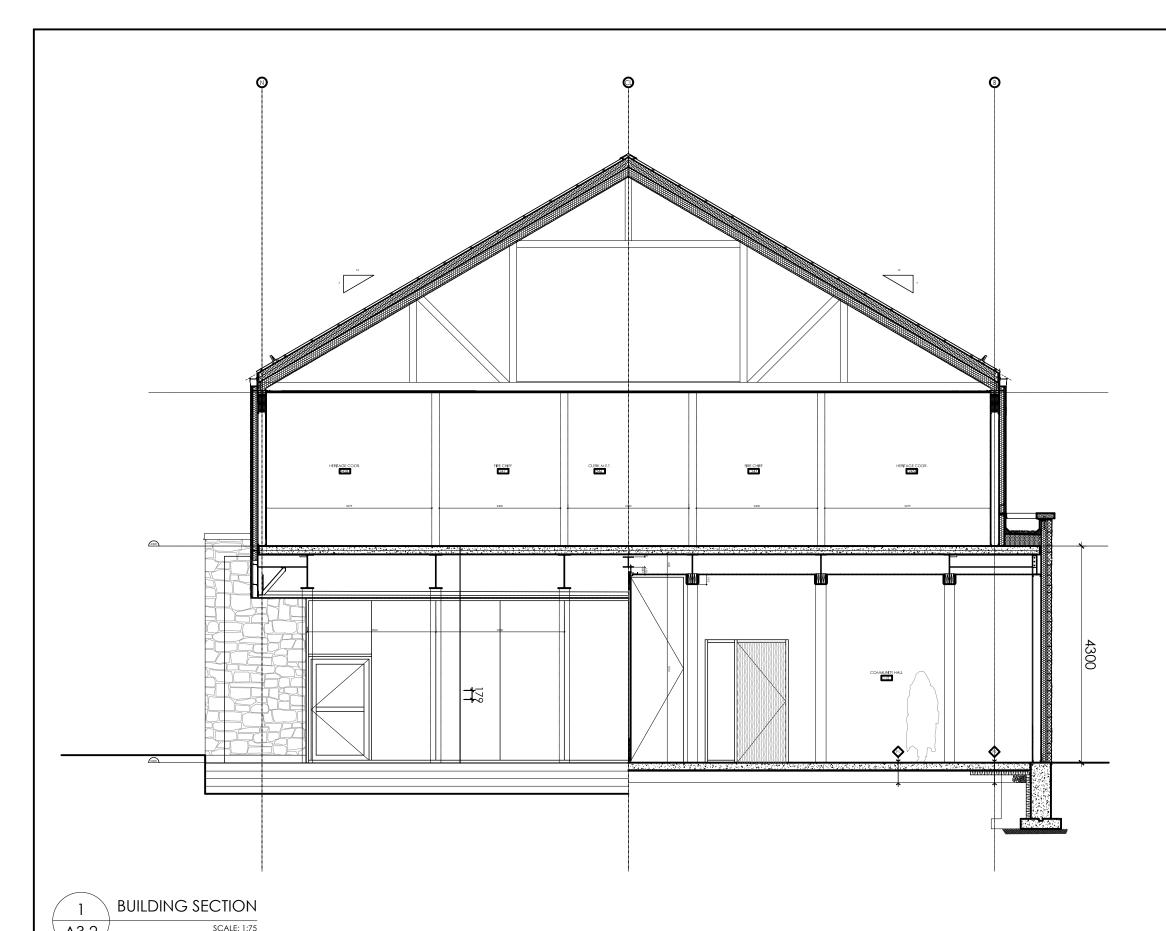


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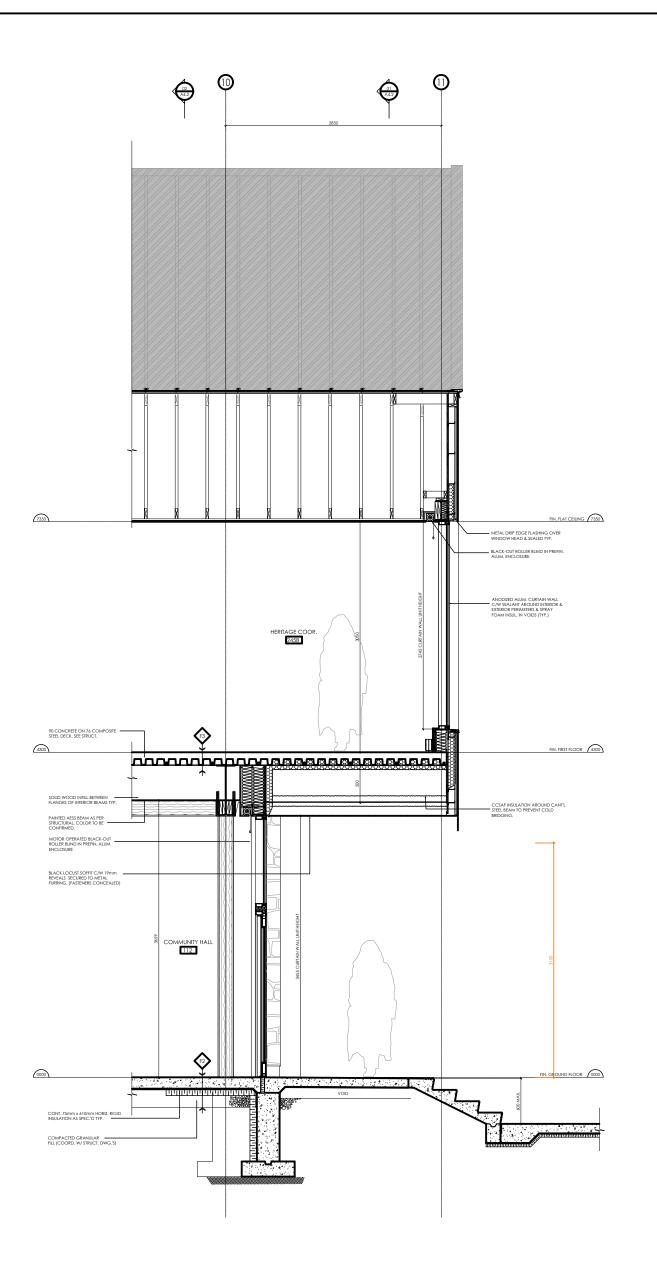


REVISIONS NO. DATE PARTICULAR 1 22.07.11 ISSUED FOR 33% REVIEW NOTES: KEY PLAN: TOWNSHIP OF RIDEAU LAKES
1439 COUNTY ROAD 8 DELTA, ONTARIO PROJECT: #22114 PORTLAND MUNICIPAL HUB 24 WATER STREET PORTLAND ONTARIO KOG 1V0 ORIGINAL PAGE SIZE ARCH D - 24" x 36" KEY TO DETAIL LOCATION:

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B B - DETAIL NO. ORIGIN ARCHITECTS
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A3.2

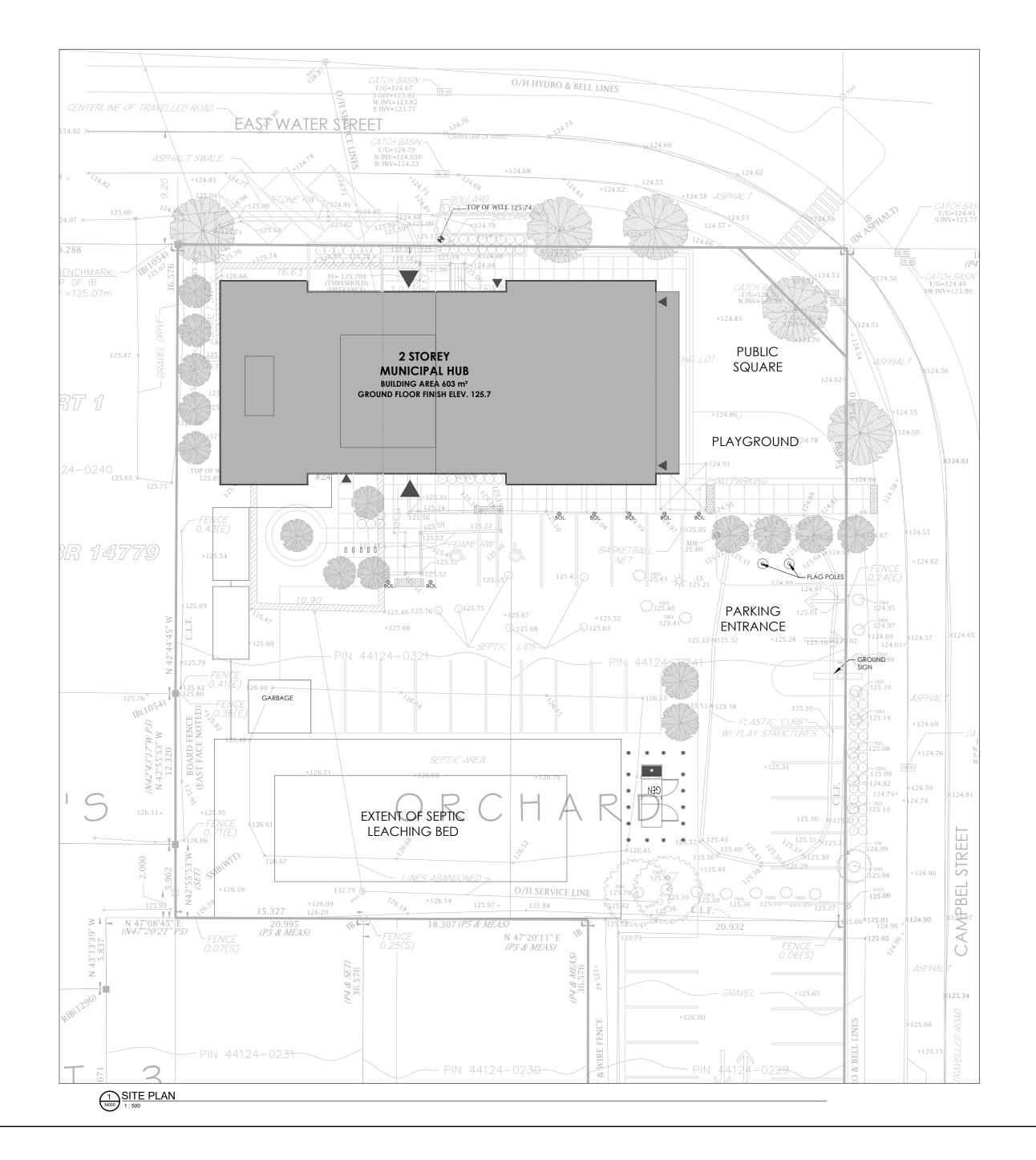
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### **GENERAL NOTES**

- CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS TO EXISTING MECHANICAL SERVICES ON SITE.
- EXISTING ITEMS TO BE REMOVED REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED TO A LOCATION ON SITE DESIGNATED BY THE OWNER. IF THE OWNER DECLARES NO INTERETS IN THE REMOVED ITEMS, ASSUME OWNERSHIP AND REMOVE THE ITEMS FROM THE SITE.
- ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH CODES, BULLETINS ETC. AND REQUIREMENTS OF ALL INSPECTION AUTHORITIES FOR MALLORYTOWN.
- ALL DRAWINGS ARE INTEGRATED WITH THE SPECIFICATIONS WHICH ACCOMPANY THEM. NEITHER IS TO BE USED ALONE. ANY ITEM OR SUBJECT OMITTED FROM ONE BUT IMPLIED IN THE OTHER IS FULLY AND PROPERLY REQUIRED. WHEREVER DIFFERENCE OCCURS, THE MOST ONEROUS CONDITION GOVERNS.
- PENETRATIONS OF EITHER FIRE OR SMOKE BARRIER RESISTANT WALLS SHALL BE SLEEVED & SEALED AGAINST THE PASSAGE OF FLAME OR SMOKE W/SUITABLE NON-COMBUSTIBLE MATERIALS EQUAL TO THE CONSTRUCTION TO BE PENETRATED. DO NOT SCALE DRAWINGS FOR INSTALLATION PURPOSES. OBTAIN ALL DIMENSIONS
- FROM ARCHITECTURAL PLANS, MANUFACTURER'S SHOP DRAWINGS, AND ON SITE MECHANICAL, DIV. 2-14 AND ELECTRICAL TRADES SHALL WORK IN CONJUNCTION WITH
- ONE ANOTHER SO AS TO AVOID INTERFERENCE'S BETWEEN PIPING, DUCTWORK, CONDUIT, LIGHTING FIXTURES, ETC. WORK SHALL BE CO-ORDINATED THROUGH THE GENERAL CONTRACTOR PRIOR TO
- INSTALLATION OF ANY EQUIPMENT, DUCTWORK AND CONTROLS. CO-ORDINATE WITH ARCHITECTURAL ELEVATIONS FOR ARCHITECTURAL, MECHANICAL, AND ELECTRICAL SPACE ALLOCATIONS.
- REFER TO ARCHITECTURAL FOR OWNER SUPPLIED EQUIPMENT. CONFIRM ALL MECHANICAL REQUIREMENTS AND PROVIDE TO SUIT.
- O. REVIEW ARCHITECTURAL AND ELECTRICAL DRAWINGS AND PROVIDE ON SITE INSPECTIONS TO DETERMINE FULL EXTENT OF PROJECT PRIOR TO SUBMITTING BID.
- . PENETRATIONS OF CONCRETE SHALL BE SAW-CUT OR CORE BORED IMPACT HAMMERS ARE NOT ALLOWED, SEAL ALL DUCTWORK & SLEEVES TO PREVENT LEAKAGE THRU FLOOR.
- 12. PROPERLY SUPPORT CEILING MOUNTED EQUIPMENT AND ANY OTHER EQUIPMENT INDEPENDENT OF CEILING SUPPORT SYSTEM. 13. AVOID ANY DIRECT CONTACT BETWEEN ANY PIPING, DUCTING AND ELECTRICAL
- CONDUIT SYSTEMS TO PREVENT SOUND TRANSMISSION.
- 4. INSTALLATION SHALL BE COMPLETE AND FULLY FUNCTIONAL. PROVIDE ALL LABOR, MATERIALS, TOOLS, SERVICES, EQUIPMENT, ETC. AS REQUIRED.
- 15. PROVIDE ACCESS FOR SERVICING EQUIPMENT AS INDICATED, AS REQUIRED BY CODE AND AS RECOMMENDED BY THE MANUFACTURER.
- 16. PROVIDE ACCESS DOORS AS NECESSARY FOR ACCESS TO VALVES, DAMPERS, AND OTHER COMPONENTS REQUIRING MONITORING, INSPECTION, AND MAINTENANCE.
- 7. INSTALL EQUIPMENT, DUCTS, AND PIPES PARALLEL TO OR PERPENDICULAR TO BUILDING LINES. PROVIDE SPACE, UNIONS AND FLANGES FOR DISASSEMBLY, SERVICING AND REMOVAL OF EQUIPMENT.
- 8. WHEN A CONFLICT OCCURS BETWEEN INSTALLATION DETAILS, DIAGRAMS, ETC. INDICATED IN THE CONTRACT DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE MANUFACTURER'S INSTRUCTIONS SHALL GOVERN AND SHALL BE FOLLOWED.

## GENERAL PLUMBING NOTES

- PROVIDE A CLEANOUT AT THE BOTTOM OF EVERY SOIL AND WASTE STACK THAT CONNECTS TO A HORIZONTAL DRAINAGE PIPE.
- PROVIDE A CLEANOUT FROM EACH PLUMBING FIXTURE WHERE REQUIRED BY ONTARIO BUILDING CODE.
- CHECK AND VERIFY LOCATION OF ALL PIPES, DUCTS AND EQUIPMENT WITH ALL OTHER TRADES TO PREVENT INTERFERENCE. REMOVAL OR RELOCATION OF ANY SUCH WORK INTERFERING WITH WORK OF OTHER TRADES IS THE RESPONSIBILITY OF THE MECHANICAL TRADE CONCERNED UNLESS OTHERWISE APPROVED IN WRITING.
- ALL PLUMBING FIXTURES INCLUDING FLOOR DRAINS TO BE TRAPPED, PRIMED AND VENTED AS REQUIRED BY ONTARIO BUILDING CODE
- ALL CONDENSATE LINES TO BE TRAPPED AT UNITS. REFER TO H.V.A.C. DRAWINGS FOR LOCATION.
- PROVIDE MIN. 2% SLOPE ON ALL HORIZONTAL CONDENSATE LINES. FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT REFER TO H.V.A.C. DRAWINGS.
- B. FOR MOUNTING HEIGHT OF ALL PLUMBING FIXTURES REFER TO ARCHITECTURAL ELEVATION DRAWINGS.
- WHENEVER COLD AND HOT WATER DISTRIBUTION TO LAVATORIES IS TO RUN UNDER COUNTER, PIPING DISTRIBUTION IS TO BE INSTALLED AS TIGHT TO UNDER SIDE OF THE COUNTER AS POSSIBLE.
- 10. PLUMBING VENTS THROUGH ROOF SHALL BE AT LEAST 2'-11" HIGHER OR 11'-6" AWAY FROM ANY OUTDOOR AIR INTAKES, OPENABLE WINDOWS OR DOORS.
- I. ALL WATER, SANITARY, SEWER AND VENT COPPER PIPING WITH SOLDER JOINTS SHALL BE LEAD FREE.
- 12. DO NOT INSTALL WATER LINES IN OUTSIDE WALL WHERE THEY MAY FREEZE, UNLESS BOTH THE WALL AND THE PIPES ARE PROPERLY INSULATED.
- 13. EACH GROUP OF PLUMBING FIXTURES SHALL BE EQUIPPED WITH WATER SHUT-OFF VALVES IN THE CEILING SPACE.
- 4. INSTALL SHUT-OFF VALVES AT EACH PLUMBING FIXTURE.
- 15. PROVIDE ALL BACKFLOW PREVENTERS AND VACUUM BREAKERS REQUIRED BY ONTARIO BUILDING CODE AND AUTHORITIES HAVING JURISDICTION.
- 16. COORDINATE THE INSTALLATION OF CLEANOUTS AND ACCESS TO DOORS WITH ARCHITECTURAL FINISHES TO AVOID INTERFERENCE WITH BASE DETAILS.
- 7. IMMEDIATELY ON DISCOVERY OF ASBESTOS—CEMENT PIPING, THE CONTRACTOR SHALL STOP WORK IN THE AREA AND NOTIFY THE CONSULTANT IN ORDER TO OBTAIN FURTHER INSTRUCTION. ALL WORK ASSOCIATED WITH THE ASBESTOS-CEMENT PIPING SHALL BE EXECUTED IN CONFORMANCE WITH INSTRUCTIONS FROM THE HAZARDOUS MATERIAL ABATEMENT CONSULTANT. ONLY PERSONNEL TRAINED IN HANDLING ASBESTOS-CEMENT PIPING AND WEARING APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT SHALL BE PERMITTED TO EXECUTE THE WORK. WORK IN THE AFFECTED AREA MAY BE RESUMED ONLY AFTER THE HAZARDOUS MATERIALS ABATEMENT CONSULTANT HAS ISSUED A CLEARANCE CERTIFICATE.

# GENERAL AIR DISTRIBUTION NOTES

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CO-ORDINATION OF
- GRILLES, DIFFUSERS AND OTHER ELEMENTS. CONTRACTORS SHALL COORDINATE ALL CEILING FINISHES WITH ARCHITECTURAL
- CONTRACTOR SHALL REVIEW MECHANICAL DRAWINGS, ARCHITECTURAL REFLECTED CEILING PLANS AND ARCHITECTURAL ROOM FINISH SCHEDULES AS SOON AS
- CONTRACT DOCUMENTS ARE SIGNED. ADVISE CONSULTANT OF ANY CONFLICTS BETWEEN CEILING TYPE AND DIFFUSER/GRILLE TYPE. CONTRACTOR AND DIFFUSER/GRILLE SUPPLIER ARE RESPONSIBLE TO PROVIDE ALL PLASTER AND FINISHING FRAMES, MOUNTING HARDWARE, AND ACCESSORIES TO SUIT ARCHITECTURAL CEILING TYPES. MECHANICAL CONTRACTOR SHALL CO-ORDINATE AND
- PROVIDE DETAILS OF MOUNTING REQUIREMENTS OF DIFFUSERS AND GRILLES IN DRYWALL CEILINGS TO DRYWALL TRADE AND ENSURE EDGES OF OPENINGS ARE FRAMED BY DRYWALL TRADE TO SUPPORT DIFFUSERS AND GRILLES PROPERLY. DIFFUSERS AND GRILLES MUST NOT BE SUPPORTED SOLELY BY HANGER WIRES. PROPERLY SUPPORT CEILING MOUNTED EQUIPMENT AND ANY OTHER EQUIPMENT
- INDEPENDENT OF CEILING SUPPORT SYSTEM. REFER TO ARCHITECTURAL DETAILS AND CO-ORDINATE WITH STRUCTURAL TRADE. ALL DUCTWORK FITTINGS SHALL BE RIGID GALVANIZED IRON. NO FLEXIBLE DUCTWORK SHALL BE USED IN LIEU OF RIGID DUCTWORK. REFER TO MECHANICAL DRAWINGS AND
- CONTRACTOR TO CARRY FOR ADDITIONAL DUCTS AND DUCT FITTING REQUIRED TO CLEAR THE INTERFERENCES IN THE CEILING SPACE.
- LOCATION OF THERMOSTATS TO BE COORDINATED WITH FINAL LOCATION OF
- FURNITURE AND EQUIPMENT. TYPICAL FOR ALL INDICATED.

# MECHANICAL DRAWING LIST

- MOOO MECHANICAL DRAWING LIST, LEGEND, NOTES, AND KEY PLAN
- M001 MECHANICAL SCHEDULES

M003 MECHANICAL DETAILS

- MO02 MECHANICAL SCHEDULES CONTINUED (RESERVED)
- M100 NEW PLUMBING PLAN UNDERGROUND DRAINAGE & ROOF PLAN

DESCRIPTION

- M201 NEW PIPING PLAN ROOF PLAN
- M101 NEW PLUMBING PLAN LEVEL 1 & LEVEL 2 M200 NEW PIPING PLAN - LEVEL 1 & LEVEL 2 (RESERVED) M300 NEW HVAC PLAN - LEVEL 1 & LEVEL 2 M301 NEW HVAC PLAN - ROOF PLAN (RESERVED) MECHANICAL LEGEND

SYMBOL	DESCRIPTION
<b>──</b>	INLINE PUMP
<del></del>	STRAINER
<b>──</b>	ISOLATING (SHUT-OFF) VALVE
<b>──</b> >>>	CIRCUIT BALANCING VALVE
<u> </u>	CHECK (FLOW CONTROL)
	POSITIVE PRESSURE (SUPPLY) DUCT UP
	POSITIVE PRESSURE (SUPPLY) DUCT UP
	NEGATIVE PRESSURE (RETURN) DUCT UP
Ł X	POSITIVE PRESSURE (SUPPLY) DUCT DOWN
<b>S</b>	POSITIVE PRESSURE (SUPPLY) DUCT DOWN
	NEGATIVE PRESSURE (RETURN) DUCT DOWN
上 二 ヨ	EXISTING DUCTWORK TO BE REMOVED
	EXISTING DUCTWORK TO REMAIN
	NEW DUCTWORK
	SUPPLY AIR DIFFUSER (SQUARE)
	RETURN/EXHAUST GRILLE
	TURNING VANES
FD□	FIRE DAMPER
BD	BALANCING DAMPER
MD	MOTORIZED DAMPER
đ	THERMOSTAT
S-# L/S	INDICATES NEW SUPPLY AIR OUTLET
E-# L/S	INDICATES NEW EXHAUST AIR OUTLET
R-# L/S	INDICATES NEW RETURN AIR OUTLET
<del></del> 0	PIPING RISER UP
<del></del>	PIPING DROP
<b>—•</b>	PIPING RISER UP & DOWN
<del> </del>	UNION
<del></del>	FLANGE
—— R ——	REFRIGERANT (LIQUID & SUCTION)
<del>~~~~~</del>	HEAT TRACED PIPE
************	PIPING TO BE REMOVED
<del></del>	CONNECTION OF NEW AND EXISTING PIPE
<del></del>	CAPPED PIPE
<b>⊘</b> FD	FLOOR DRAIN
<b>O</b> FFD	FUNNEL FLOOR DRAIN
<b>€</b> FEX	FIRE EXTINGUISHER - SURFACE MOUNTED WITH BRACKET
A VTR	VENT THROUGH ROOF
	SANITARY PIPING ABOVE FLOOR
	SANITARY PIPING BELOW GRADE OR FLOOR
	CONDENSATE PIPING

REVIEW ALL DRAWINGS AND VERIFY ALL DIMENSIONS AT THE SITE. DO NOT SCALE THE DRAWINGS. REPORT ALL DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH ANY CONSTRUCTION OR SHOP FABRICATION, ALL DRAWINGS. SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF `VANDERWESTEN & RUTHERFORD ASSOCIATES INC.' AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ENGINEER'S WRITTEN PERMISSION.

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1	Issued for 33% Review	2022	07	07	SE



PORTLAND MUNICIPAL HUB

Drawing Title:

**MECHANICAL** DRAWING LIST, LEGEND, NOTES, AND KEYPLAN

Checked By:
RD
Scale:
N.T.S.
Drawing No.:
M000

PLUMBING FIXTURE CONNECTION SCHEDULE									
REFER	DESCRIPTION	SANITARY +	SANITARY VENT +	DHWS +	DCWS +	TEMPERED +	NOTES		
L1	LAVATORY - WH, BF	1-1/4" (32MM)	1-1/4" (32MM)	3/8" (10MM)	3/8" (10MM)				
L2	LAVATORY - CTM	1-1/4" (32MM)	1-1/4" (32MM)	3/8" (10MM)	3/8" (10MM)				
WC1	WATER CLOSET - WH, FV, BF	3" (75MM)	1-1/2" (38MM)		1/2" (13MM)				
WC2	WATER CLOSET - WH, FV	3" (75MM)	1-1/2" (38MM)		1/2" (13MM)				
S1	KITCHENETTE SINK - CTM, SS,	1-1/2" (38MM)	1-1/4" (32MM)	1/2" (13MM)	1/2" (13MM)				
DW1	KITCHEN DISHWASHER	IND TO 3"HD (75MM)	1-1/2" (38MM)	1/2" (13MM)	1/2" (13MM)				
DW2	KITCHENETTE DISHWASHER	5/8" (16MM)	1-1/4" (32MM)	1/2" (13MM)	1/2" (13MM)				
MS	MOP SINK - FM	2" (50MM)	1-1/2" (40MM)	1/2" (13MM)	1/2" (13MM)				
ABBREVIA	ABBREVIATIONS: CTM — COUNTER MOUNTED WH — WALL HUNG FM — FLOOR MOUNTED SS — STAINLESS STEEL BF — BARRIER FREE FV — FLUSH VALVE								

- WHERE THERE ARE MIXING VALVES PROVIDE EXTERNAL CHECK VALVES ON THE HOT AND COLD WATER TO PREVENT CROSS FLOW. THE STOP CHECKS AVAILABLE ON MIXING VALVES ARE NOT ADEQUATE TO STOP CROSS FLOW.
  PROVIDE AND INSTALL WATER HAMMER ARRESTORS AHEAD OF EACH PLUMBING FIXTURE OR FIXTURE GROUP UTILIZING SOLENOID VALVES, FLUSH VALVES, OR OTHER QUICK CLOSING VALVES AND WHEREVER ELSE NECESSARY TO PREVENT WATER HAMMER.

REFER	DESCRIPTION	MANUFACTURER	ACCESSORIES AND TRIM
L1	WALL HUNG LAVATORY, BARRIER FREE		
L2	LAVATORY - CTM		
WC1	WALL HUNG WATER CLOSET — FLUSH VALVE, BARRIER FREE	AMERICAN STANDARD — AFWALL MILLENNIUM FLOWISE [MODEL 3351.101.020]	
WC2	WALL HUNG WATER CLOSET — FLUSH VALVE	AMERICAN STANDARD — AFWALL MILLENNIUM FLOWISE [MODEL 3351.101.020]	
S1	KITCHENETTE SINK, SINGLE COMPARTMENT, STAINLESS STEEL	NOVANNI [MODEL 1001M-24]	
DW1	KITCHEN DISHWASHER		
DW2	KITCHENETTE DISHWASHER		
MS	MOP SINK	FIAT [MODEL MSB2424]	FAUCET: MOEN 8230 WITH VACUUM BREAKER AND TOP BRACE INCLUDE GRID STRAINER, HOSE & HOSE BRACKET, MOP HANGER, VINYL BUMPER GUARD. & STAINLESS STEEL WALL GUARD.

ACCEPTABLE ALTERNATES SUBJECT TO SHOP DRAWING REVIEW: AMI, CAMBRIDGE BRASS, CRANE, KOHLER, STERLING, BEMIS, BENEKE, DELTA, ENCON, POWERS.
PROVIDE THERMOSTATIC MIXING VALVE AND ADJUST TO MAXIMUM OF 43°C FOR BARRIER FREE LAVATORIES AND 49°C FOR REMAINING LAVATORIES & SINKS EXCLUDING

THE	TRIPLE	SINK.

SYMBOL	SERVICE	LOCATIO	DN	FLOW RATE GPM	PRESSURE DROP FT.HD.	FLUID <sup>-</sup>	TYPE
P1	DOMESTIC HOT WATER	MECH R	М	0.7	1.2	WATER	₹
SION 7	TANK SCHEDULE		ELEC	TRIC WATE	ER HEATE	ER SC	HE
PF	-T1			ELE	CTRICAL		WAT

EXPANS	ON TANK SCHEDULE	
SYMBOL	PET1	
LOCATION	MECHANICAL ROOM	!
SERVICE	DOMESTIC HOT WATER	
MODEL No.	AX15V	
PUMP No.	P1	
TANK VOLUME USGAL	3.5	NO
ACCEPTANCE VOLUME USGAL	2.3	
REMARKS	BELL & GOSSETT PTA-5	

CIRCULATING PUMP SCHEDULE

0,41001	ELECTRICAL		WATER	UNIT	REMARKS	
SYMBOL	KW (MBH)	AMPS	VOLTAGE	RECOVERY +STORAGE	WEIGHT LBS	MANUFACTURER AND MODEL
HWT	32 (110)	20	575V 3PH/60HZ	133 USGPH 80 USG	265	AO SMITH AHPO90 & AO SMITH RJS080M

ECM MOTOR HP VOLTAGE

0.054 (41 WATTS) 115/1/60 B&G NRF 9F

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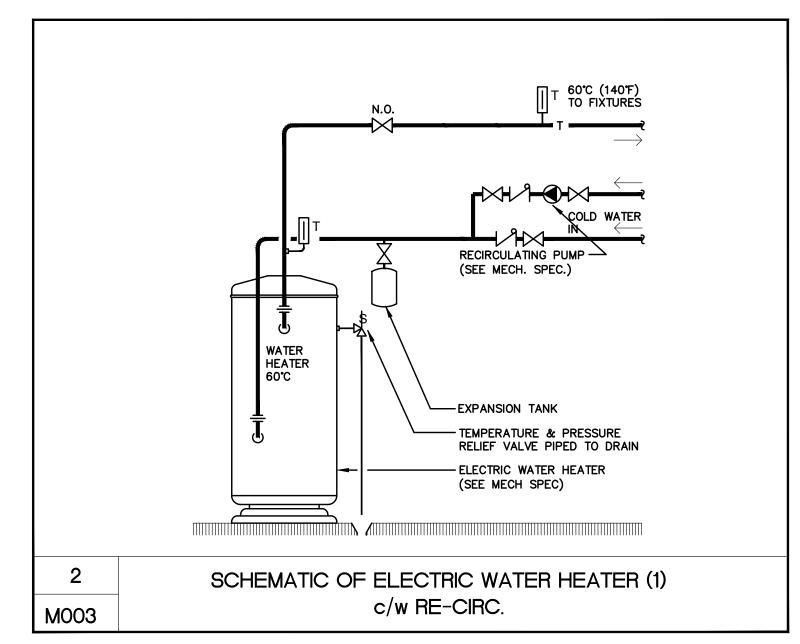
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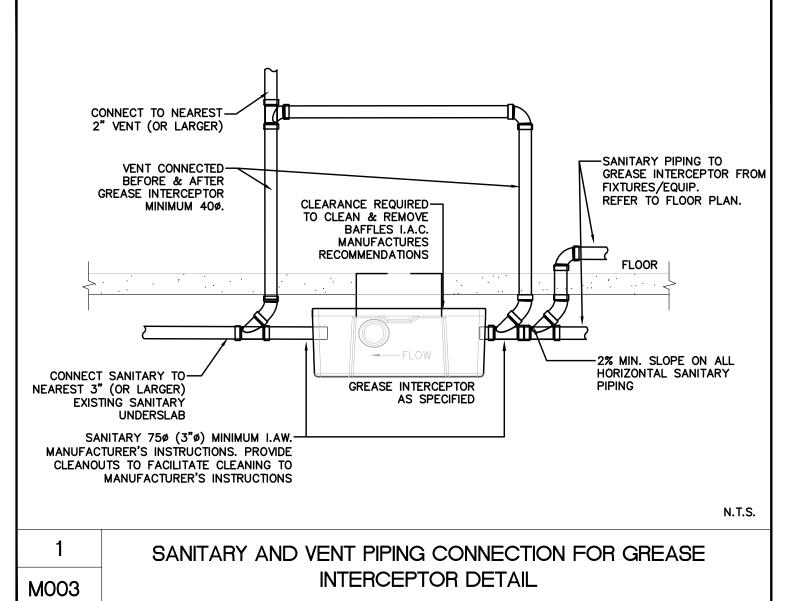
PORTLAND MUNICIPAL HUB

Drawing Title:

MECHANICAL SCHEDULES

Drawn By:	Checked By:
AW	RD
Date:	Scale:
2022-06-22	N.T.S.
Project Number:	Drawing No.:
VR-22-073	M001





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Project:

PORTLAND MUNICIPAL HUB

Drawing Title:

MECHANICAL DETAILS

Drawn By:	Checked By:
AW	RD
Date:	Scale:
2022-06-22	N.T.S.
Project Number:	Drawing No.:
VR-22-073	M003
<del>-</del>	177000

DW WC1 LIBRARY (D)— (E)-MAIN LOBBY COMMUNITY HALL #112 #103 MULTIPURPOSE STORAGE #104 A VESTIBULE S. #100 (G)—/

1 UNDERSLAB DRAINAGE

NOTES:

PROVIDE SANITARY AND VENT PIPING, ROUTED AS SHOWN. CONNECT SANITARY TO NEW SANITARY PIPING TO SEPTIC TANK. COORDINATE EXACT LOCATION ON SITE.

REVIEW ALL DRAWINGS AND VERIFY ALL DIMENSIONS AT THE SITE. DO NOT SCALE THE DRAWINGS. REPORT ALL DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH ANY CONSTRUCTION OR SHOP FABRICATION. ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF `VANDERWESTEN & RUTHERFORD ASSOCIATES INC.' AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ENGINEER'S WRITTEN

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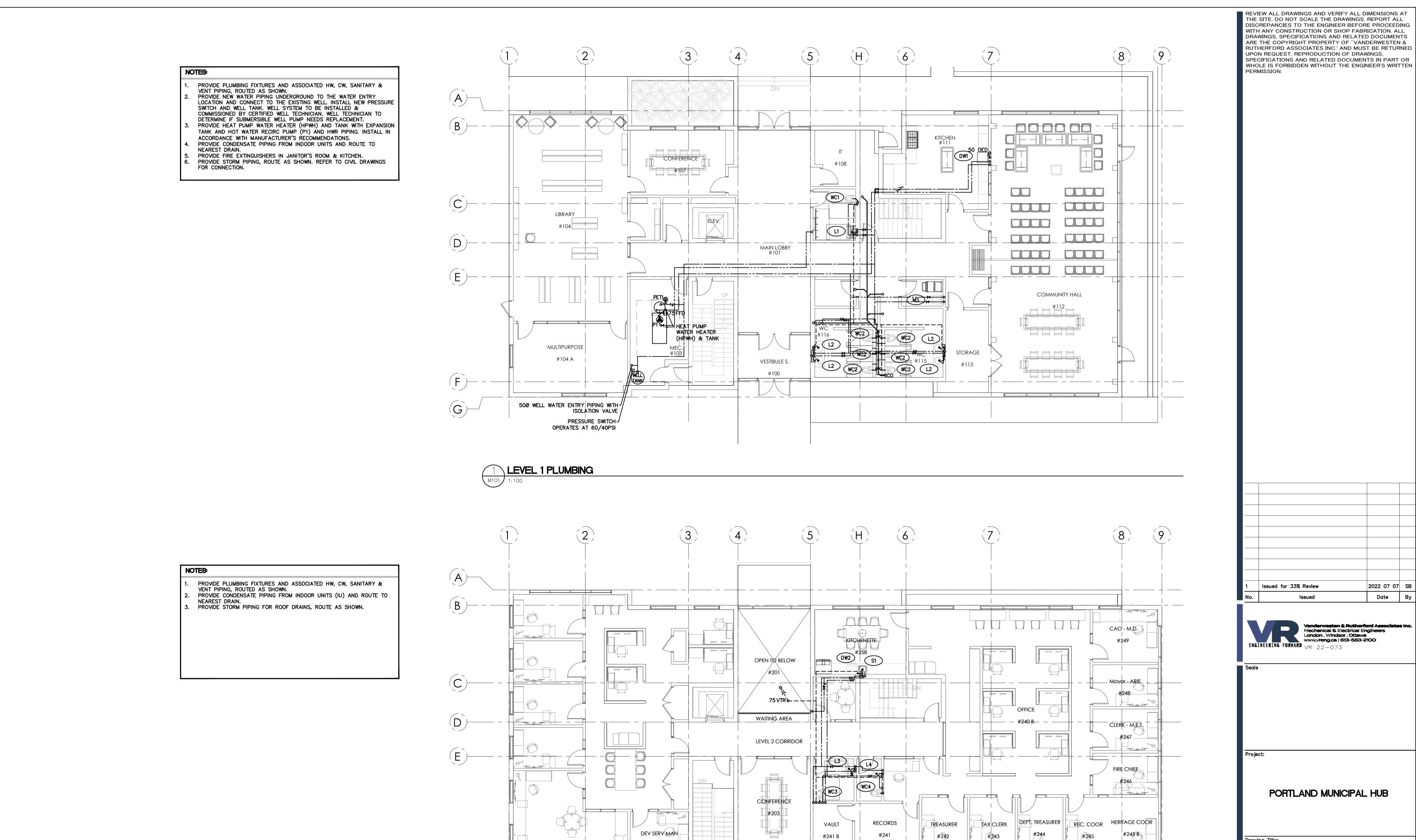
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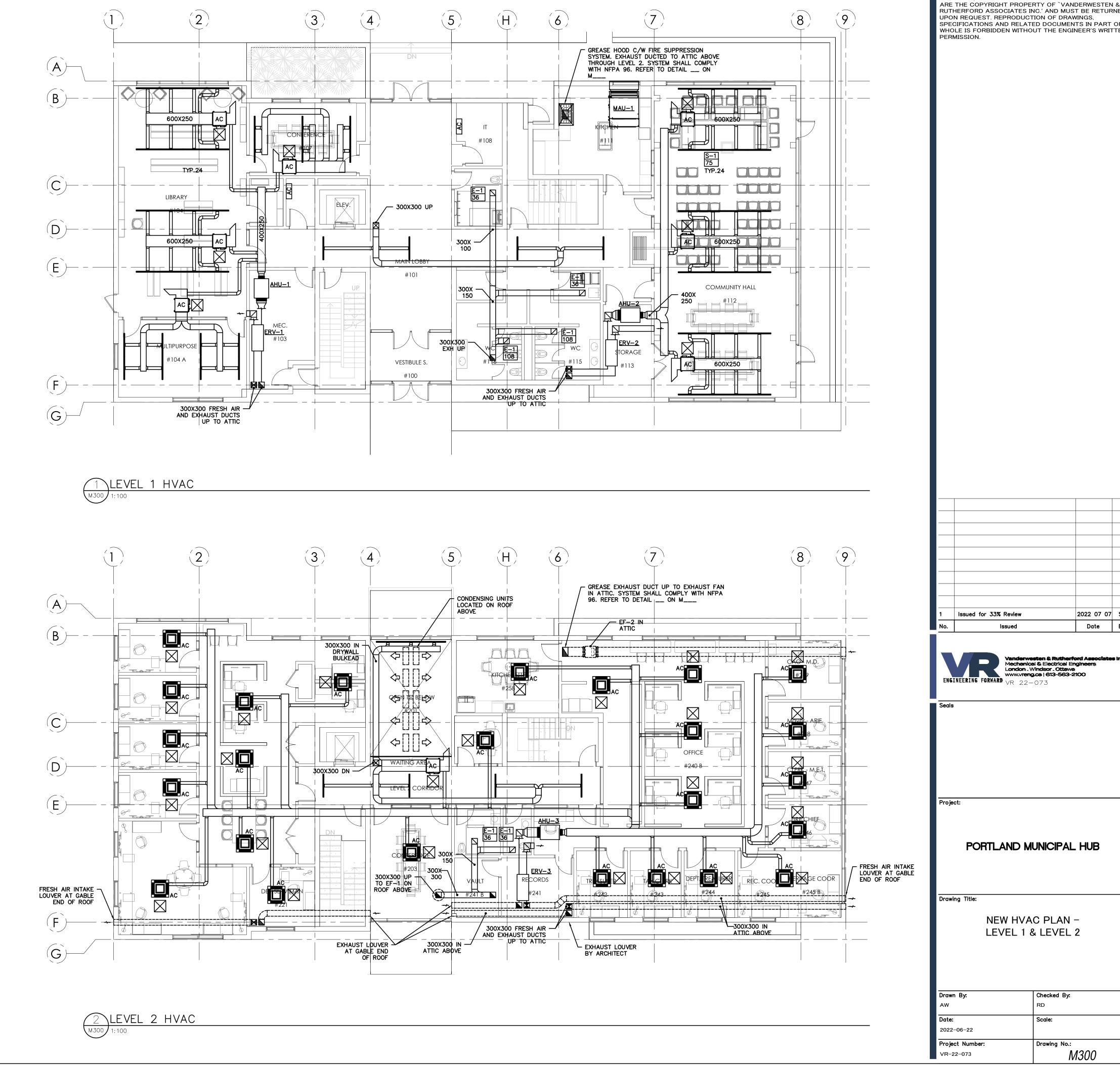
NEW PLUMBING PLAN – UNDERSLAB DRAINAGE & ROOF PLAN

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Project Number:	Drawing No.:
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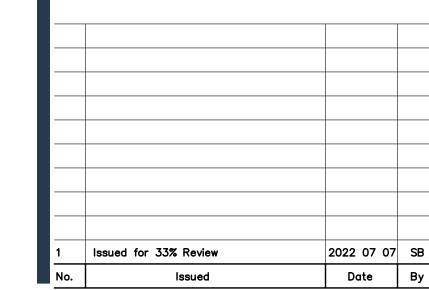


2 LEVEL 2 PLUMBING

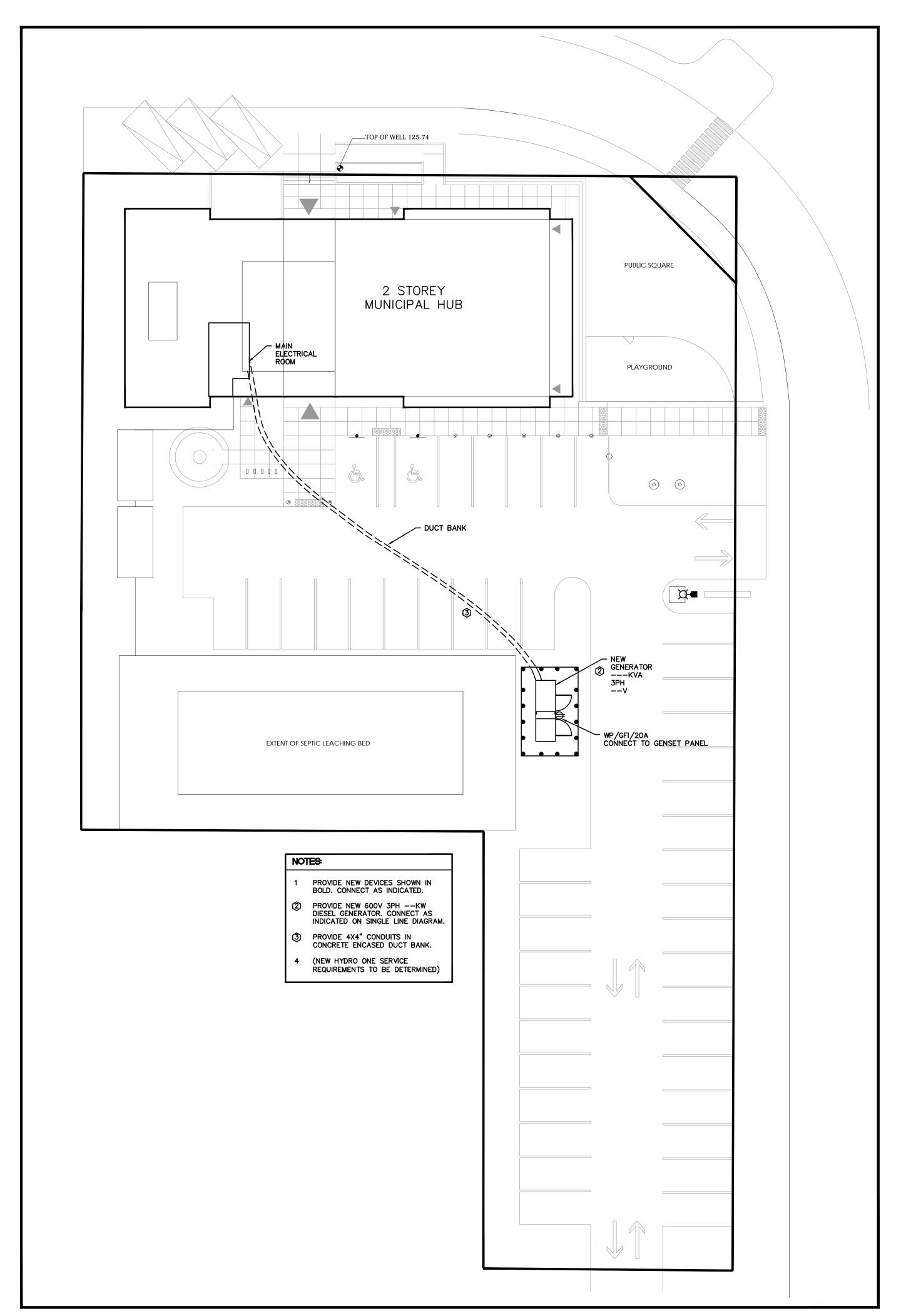
Issued for 33% Review 2022 07 07 SB Date By Vanderwesten & Rutherrore Assu-Mechanical & Electrical Engineers London . Windsor . Ottawa www.vreng.ca | 613-563-2100 ENGINEERING FORWARD VR 22-073 PORTLAND MUNICIPAL HUB Drawing Title: NEW PLUMBING PLAN -LEVEL 1 & LEVEL 2 Checked By: Scale: 2022-06-22 Project Number: VR-22-073



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Project Number:	Drawing No.:	
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	10000	



CONTRACTOR AND FIXTURE SUPPLIER ARE RESPONSIBLE TO PROVIDE ALL PLASTER AND FINISHING FRAMES, MOUNTING HARDWARE, AND ACCESSORIES TO SUIT ARCHITECTURAL CEILING SCHEDULE. CONTRACTOR AND SUPPLIER ARE RESPONSIBLE TO VERIFY NUMBER OF DRIVERS REQUIRED FOR MULTIPLE SWITCHING OF FIXTURES. REFER TO FLOOR PLANS FOR CONFIGURATION OF SWITCHING. MANUFACTURER TO NOTE ON SHOP DRAWINGS THAT DRIVERS, DIMMING SWITCHES AND PHOTOCONTROLLERS ARE ALL COMPATIBLE. YPE DESCRIPTION LAMPS MTG HT d LUMEN ---TBD LED LUMEN ---K LED LUMEN ----K LED LUMEN LED LUMEN ---K LED

# GENERAL NOTES

FIXTURE SCHEDULE

NOTES:

. DO NOT SCALE DRAWINGS FOR INSTALLATION PURPOSES. OBTAIN ALL DIMENSIONS FROM ARCHITECTURAL PLANS, MANUFACTURER'S SHOP DRAWINGS, AND ON SITE INSPECTIONS.

LUMEN ---

----K LED

- PRIOR TO INSTALLATION OF BOXES IN WALLS, VERIFY THAT NO INTERFERENCES EXIST. CHECK ARCHITECTURAL PLANS AND
- . MECHANICAL AND ELECTRICAL TRADES SHALL WORK IN CONJUNCTION WITH ONE ANOTHER SO AS TO AVOID INTERFERENCES BETWEEN PIPING, DUCTWORK, CONDUIT, LIGHTING FIXTURES, ETC.
- REVIEW MECHANICAL AND ARCHITECTURAL DRAWINGS AND PROVIDE ON SITE INSPECTIONS TO DETERMINE FULL EXTENT OF PROJECT PRIOR TO SUBMITTING BID.
- IN EVERY WIRING INSTALLATION, EACH CONDUCTOR SHALL BE IDENTIFIED WITH A LABEL WHEREVER IT IS TERMINATED.
- ALL ELECTRICAL PANELS, DISCONNECT SWITCHES, AND TRANSFORMERS REQUIRE ARC FLASH LABELING.
- 7. ARC FLASH LABELING SHALL AT A MINIMUM STATE AVAILABLE INCIDENT ENERGY OR LEVEL OF PPE REQUIRED (AS PER CAN/ULC Z462).
- B. ALL ELECTRICAL PANELS, DISCONNECT SWITCHES, TRANSFORMERS, ETC. SHALL HAVE LAMACOID LABELING.
- LAMACOID LABELING SHALL CONTAIN THE FOLLOWING:
  i) FIRST LINE: BUILDING DESIGNATION, TYPE , FLOOR LEVEL,
- ii) SECOND LINE: FED FROM (NAME UPSTREAM DISTRIBUTION
- iii) THIRD LINE: VOLTAGE
- iv) FOURTH LINE: AMPERAGE
  v) FIFTH LINE: NUMBER PHASES/WIRES.
- 4. ALL RECEPTACLES, SWITCHES, AND JUNCTION BOXES SHALL BE LABELED TO INDICATE WHAT PANEL IT IS FED FROM AND WHAT IS THE CIRCUIT NUMBER (EX. EB05 CIR 2,4,6).
- 5. ALL INSTALLED EQUIPMENT SHALL BE FULLY ACCESSIBLE FOR MAINTENANCE PURPOSES AND SHALL HAVE A MINIMUM OF 1 M WORKING SPACE IN FRONT OF ANY REQUIRED ACCESS DOORS OR

### ELECTRICAL DRAWING LIST

- E000 ELECTRICAL DRAWING LIST, LEGEND, NOTES AND SITE PLAN
  E100 NEW LIGHTING PLANS LEVEL 1 AND LEVEL 2.
- TIOU NEW LIGHTING FLANS LEVEL I AND LEVEL Z.
- E200 NEW POWER AND SYSTEMS PLANS LEVEL 1 AND LEVEL 2
- 01 NEW ELECTRICAL ROOF PLAN
- E300 NEW SINGLE LINE DIAGRAM AND ELECTRICAL ROOM DETAIL
- E400 PANEL SCHEDULES
- E500 ELECTRICAL DETAILS

LEG	LEGEND					
STANDA	THIS LEGEND OF SYMBOLS REPRESENTS VANDERWESTEN RUTHERFORD ASSOCIATES INC. STANDARD/GENERIC LEGEND. ALL SYMBOLS MAY NOT APPEAR ON THE DRAWINGS.					
SYMBOL	DESCRIPTION	мта нт ф				
	LIGHTING FIXTURE	AS NOTED				
<del>���</del>	TRACK LIGHTING WITH QUANTITY OF FIXTURES SHOWN	AS NOTED				
X	DOWNLIGHTING FIXTURE	AS NOTED				
$\overleftrightarrow{\triangleright}$	DIRECTIONAL/AIMED LIGHTING FIXTURE	AS NOTED				
X	WALL MOUNTED LIGHTING FIXTURE	AS NOTED				
φ	POLE MOUNTED LIGHTING FIXTURE	AS NOTED				
	CROSS-HATCHED OR SHADED LIGHTING FIXTURE SHALL INDICATE CONNECTED TO EMERGENCY (ESSENTIAL) POWER					
\$	15A, 125V SINGLE POLE SWITCH, $\$_2$ (TWO POLE), $\$_3$ (3-WAY), $\$_4$ (4-WAY), $\$_K$ (KEY OPERATED), $\$_D$ (DIMMER), $\$_{PL}$ (C/W PILOT LIGHT), $\$_{LV}$ (LOW VOLTAGE), $\$_T$ (TIMER), $\$_S$ (OCCUPANCY SENSOR SWITCH) $\$$ (SINGLE GANG), $\$$ (DOUBLE GANG), $\$$ (TRIPLE GANG), $\$$ (FOUR GANG), $\$$ (FIVE GANG), $\$$ (SIX GANG)	1100 (43")				
•	OCCUPANCY DUAL TECHNOLOGY SENSOR	CEILING				
EXIT	EXIT SIGN	WALL OR CEILING				
EX1	SINGLE SIDED EXIT SIGN	AS NOTED				
EX2	DOUBLE SIDED EXIT SIGN	AS NOTED				
$\rightarrow$	EXIT SIGN - DIRECTIONAL ARROW					
$\leftrightarrow$	EXIT SIGN - DIRECTIONAL ARROW					
<b>ФЕВ*</b>	EMERGENCY LIGHTING BATTERY UNIT C/W RECEPTACLE	* (*")				
<b>(</b>	SINGLE HEAD REMOTE EMERGENCY LIGHT	* (*")				
20%	DOUBLE HEAD REMOTE EMERGENCY LIGHT	* (*")				
€	20AMP 125VOLT U-GROUND DUPLEX RECEPTACLE	457 (18")				
<b>⊙</b> →	OCCUPANCY DUAL TECHNOLOGY SENSOR	WALL OR CEILING				
#	20AMP 125VOLT U-GROUND QUAD RECEPTACLE	457 (18")				
€R	50AMP 250VOLT 1PHASE 4WIRE RANGE OUTLET	127 (5")				
•	DIRECT CONNECTION (REFER TO DRAWINGS)	AS NOTED				
	ELECTRICAL PANEL	1981 (78") TO TOP				
Q	MOTOR CONNECTION (SINGLE OR THREE PHASE)					
, ФФ	MOTOR/DISCONNECT CONNECTION (SINGLE OR THREE PHASE)					
	DISCONNECT SWITCH	1270 (50")				
•	SINGLE PUSHBUTTON STATION	1040 (41")				

TELEPHONE OUTLET C/W 3/4" (19mm) CONDUIT TO ACCESSIBLE

CORRIDOR CEILING SPACE OR CABLE TRAY

HEAT DETECTOR - RATE OF RISE & FIXED TEMP

CABLE TRAY

FIRE ALARM HORN

FIRE ALARM PULLSTATION

SMOKE DETECTOR

S FIRE ALARM STROBE LIGHT

FIRE FIGHTER'S HANDSET

ML MAGNETIC DOOR LOCK

LV LOW VOLTAGE

FR FRIDGE

MW MICROWAVE

OC OVER COUNTER

CL CEILING MOUNTED

WALL MOUNTED SPEAKER

GF GROUND FAULT INTERRUPTING

OC/GF OVER COUNTER/GROUND FAULT INTERRUPTING

VOICE/DATA OUTLET C/W 3/4" (19mm) CONDUIT TO

ACCESSIBLE CORRIDOR CEILING SPACE OR CABLE TRAY

DATA OUTLET C/W 3/4" (19mm) CONDUIT TO ACCESSIBLE CORRIDOR CEILING SPACE OR CABLE TRAY

FIRE ALARM BELL (150mm DIAMETER UNLESS OTHERWISE NOTED)

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UPON REQUEST, REPRODUCTION OF DRAWINGS.

PORTLAND MUNICIPAL HUB

Drawing Title:

2290 (90")

1200 (47")

CEILING

CEILING

(90")

1473 (58")

> ELECTRICAL DRAWING LIST, LEGEND NOTES AND SCHEDULES

 Drawn By:
 Checked By:

 AK
 AF

 Date:
 Scale:

 2022-06-22
 Drawing No.:

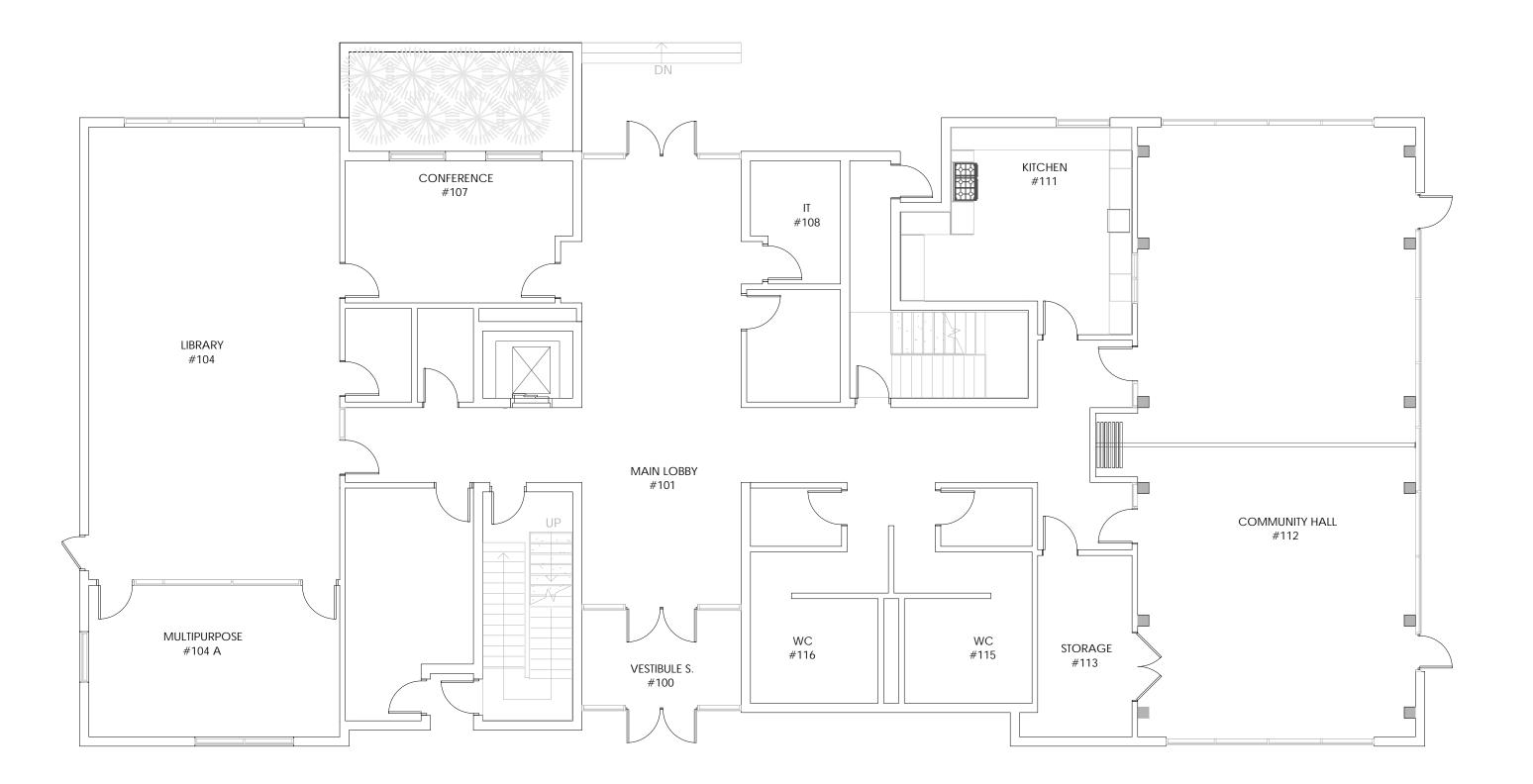
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1 ELECTRICAL SITE PLAN

E000 1: 200

# NEW LIGHTING NOTES:

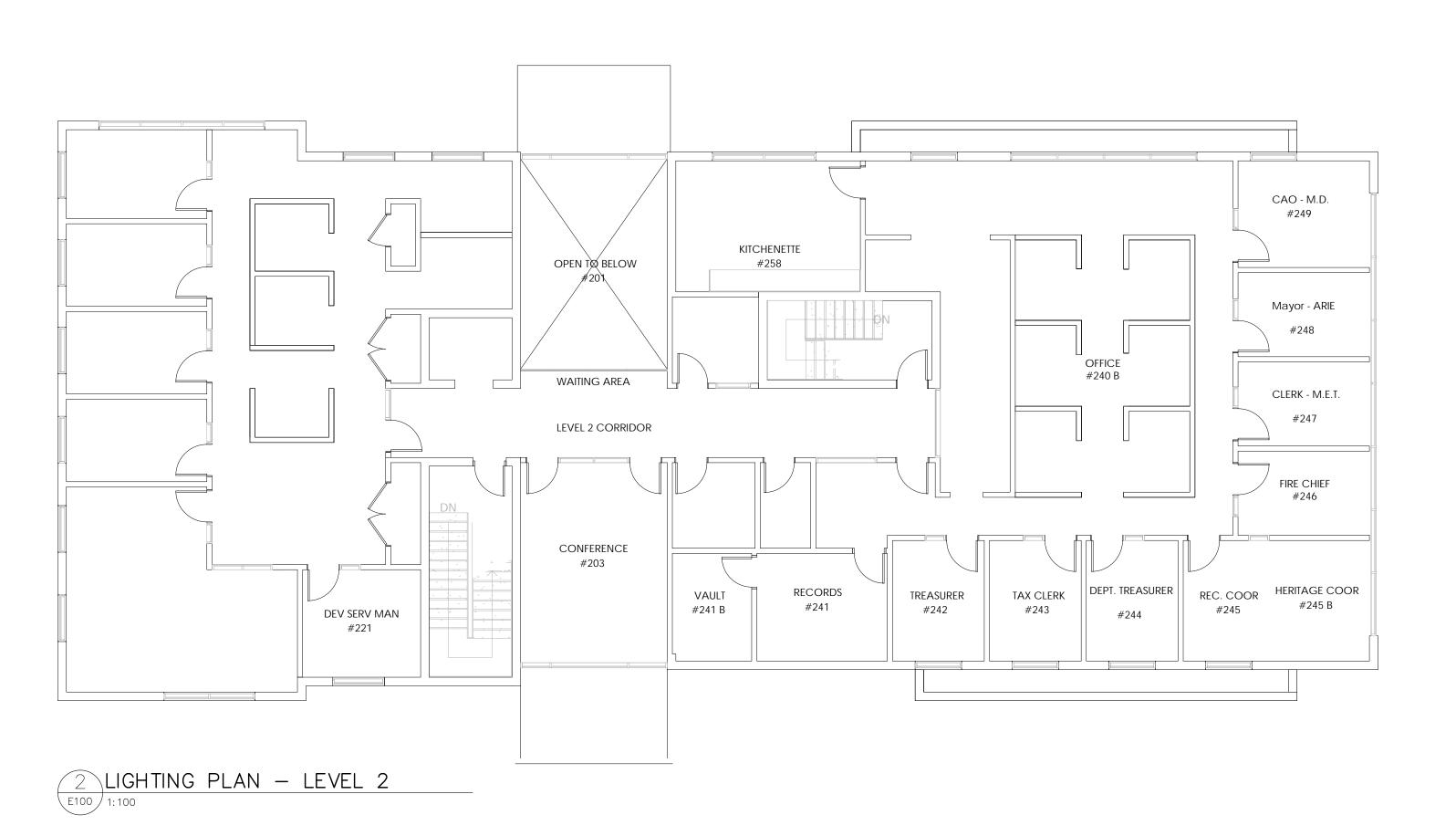
1. PROVIDE NEW LIGHTING AND SWITCHES SHOWN IN BOLD. CONNECT AS INDICATED.



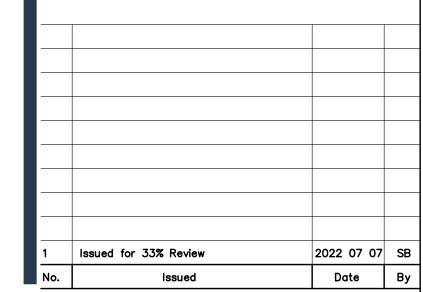
1 LIGHTING PLAN — LEVEL 1
E100 1:100

# NEW LIGHTING NOTES:

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Seals

Project:

# PORTLAND MUNICIPAL HUB

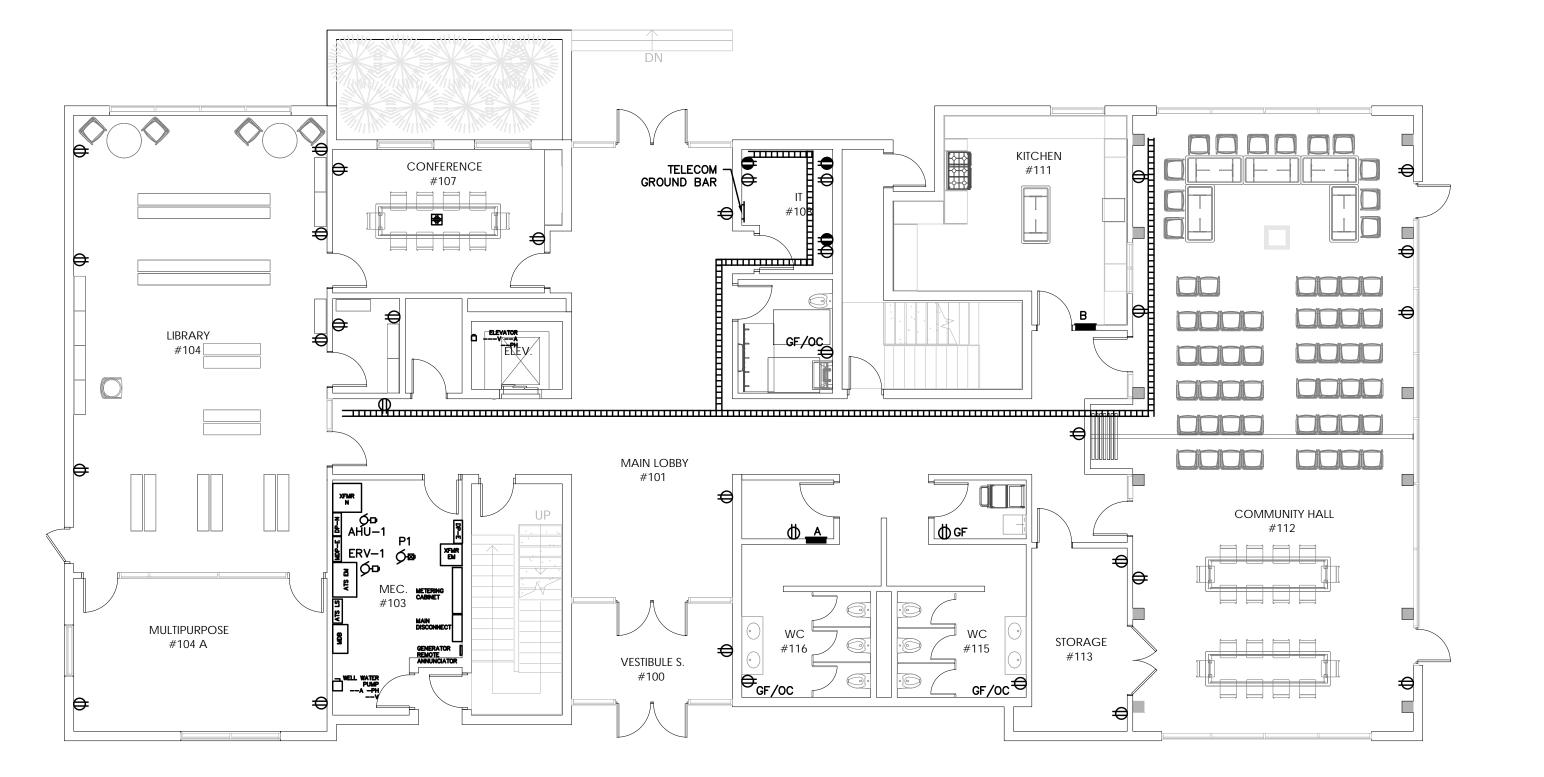
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NEW LIGHTING PLANS -LEVEL 1 AND LEVEL 2

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VR-22-073	E100

# NEW POWER NOTES:

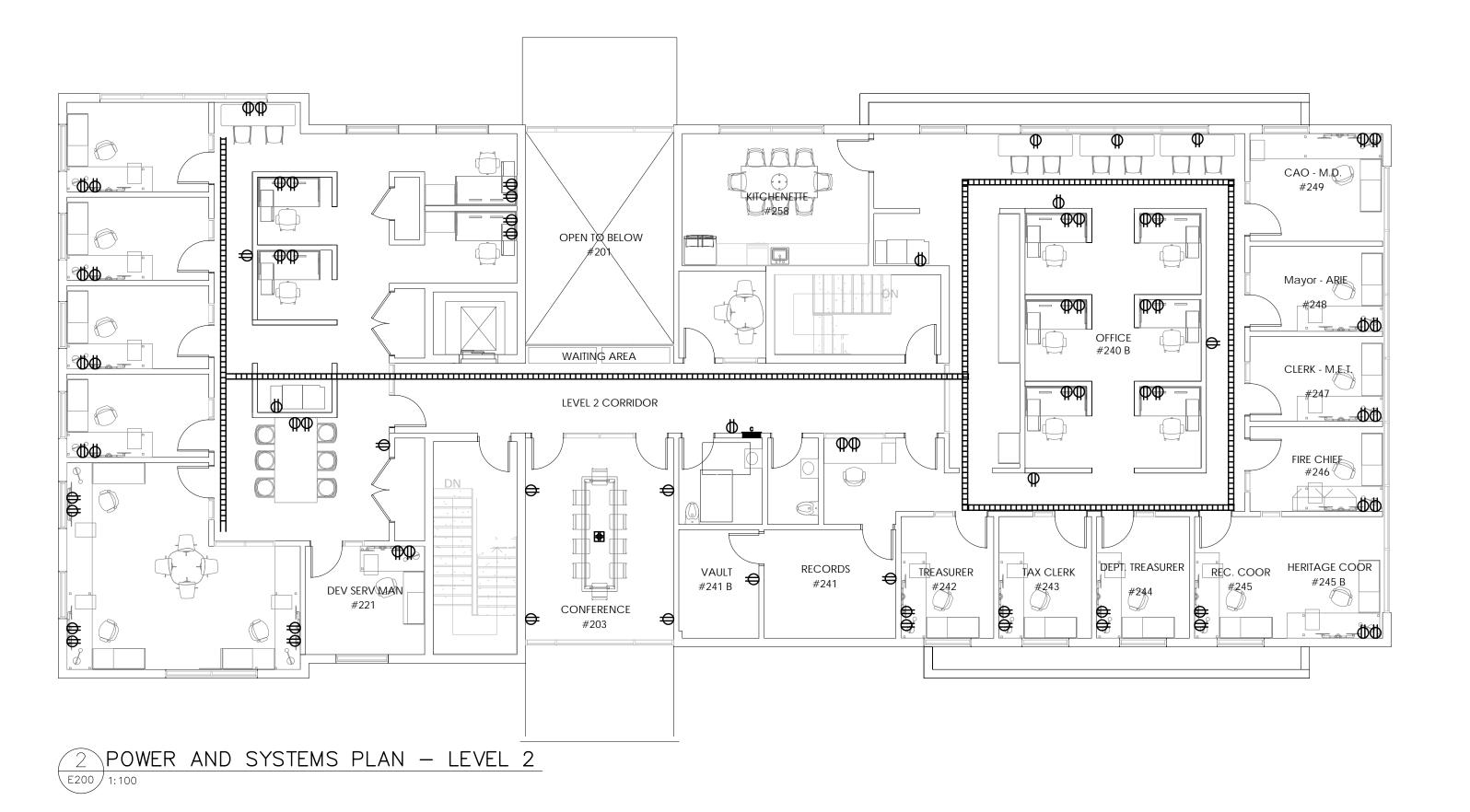
- 1. PROVIDE NEW DEVICES SHOWN IN BOLD. CONNECT AS INDICATED.
- 2. CONNECT NEW EQUIPMENT AS INDICATED.



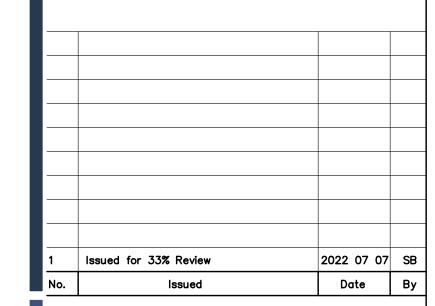
1 POWER AND SYSTEMS PLAN - LEVEL 1

# NEW POWER NOTES:

PROVIDE NEW DEVICES SHOWN IN BOLD. CONNECT AS INDICATED.
 CONNECT NEW EQUIPMENT AS INDICATED.



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Seals

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PORTLAND MUNICIPAL HUB

Drawing Title:

NEW POWER AND SYSTEMS
PLANS - LEVEL 1 AND LEVEL 2

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Date:	Scale:
2022-06-22	1:100
Project Number:	Drawing No.:
VR-22-073	E200

# 1. PROVIDE NEW DEVICES SHOWN IN BOLD. CONNECT AS INDICATED. cn de Decn cu do pocu CU PO POCU cu do lorcu CU do GE/WP/20A

1 ELECTRICAL — ROOF PLAN
E201 1:100

NEW POWER NOTES:

2. CONNECT NEW EQUIPMENT AS INDICATED.

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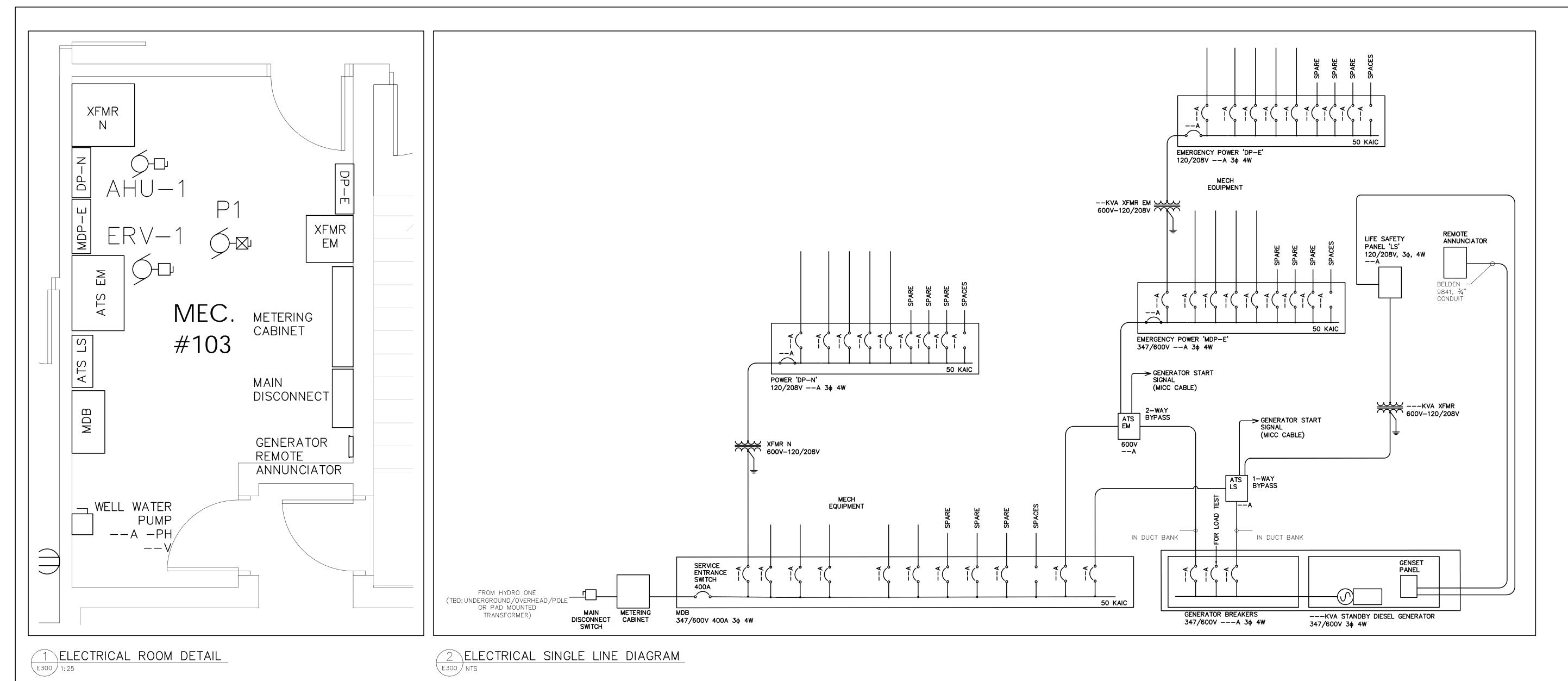


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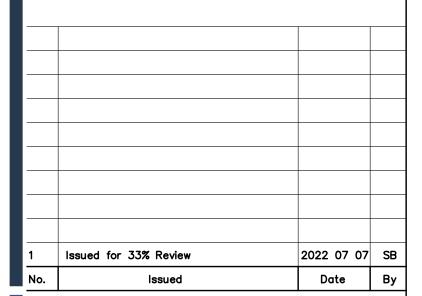
Drawing Title:

NEW ELECTRICAL ROOF PLAN

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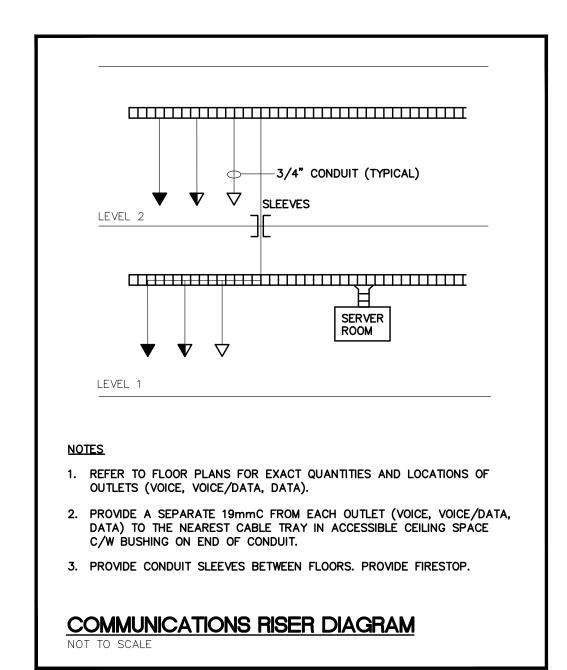
NEW SINGLE LINE DIAGRAM AND ELECTRICAL ROOM DETAIL

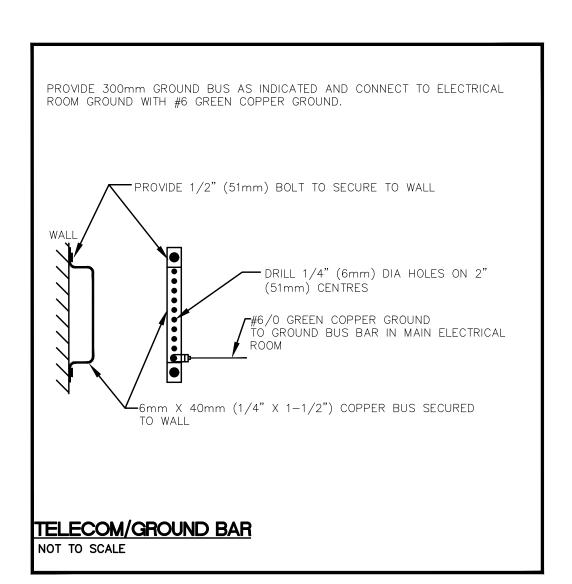
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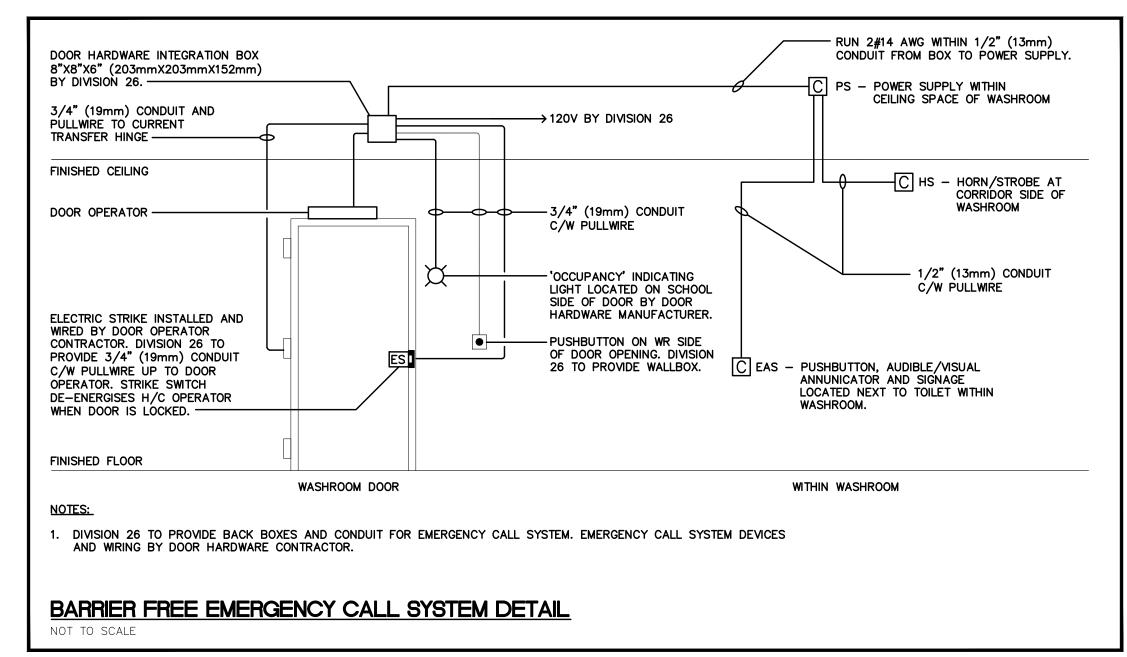
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NOR SHOP FABRICATION. A NS AND RELATED DOCUME PERTY OF `VANDERWESTE	THE SITE. DO NOT SCALE THE DISCREPANCIES TO THE ENGING WITH ANY CONSTRUCTION OF DRAWINGS, SPECIFICATIONS ARE THE COPYRIGHT PROPER RUTHERFORD ASSOCIATES IN UPON REQUEST. REPRODUCT SPECIFICATIONS AND RELATE WHOLE IS FORBIDDEN WITHOUPERMISSION.	225AMP 120/240V 1¢ 3W SURFACE 200A MAIN BREAKER TYPE: NQOD WATTS *
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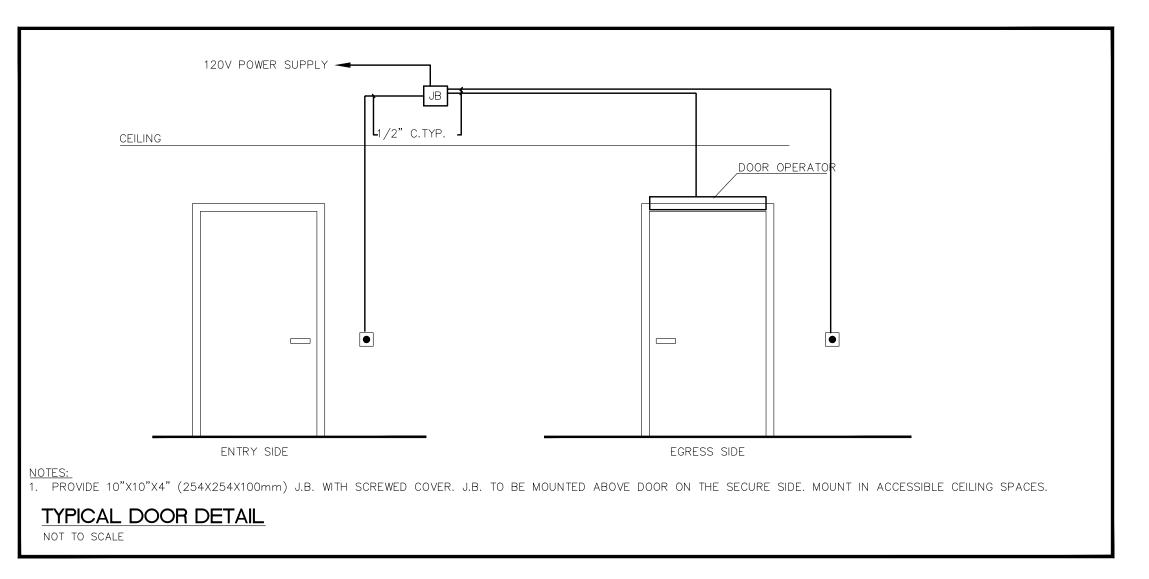
REVIEW ALL DRAWINGS AND VERIFY ALL DIMENSIONS AT THE SITE. DO NOT SCALE THE DRAWINGS. REPORT ALL DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH ANY CONSTRUCTION OR SHOP FABRICATION. ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS

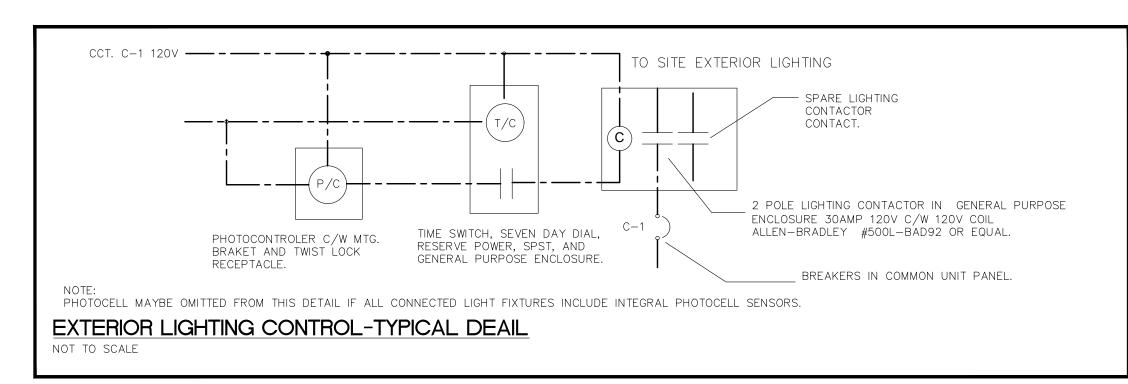
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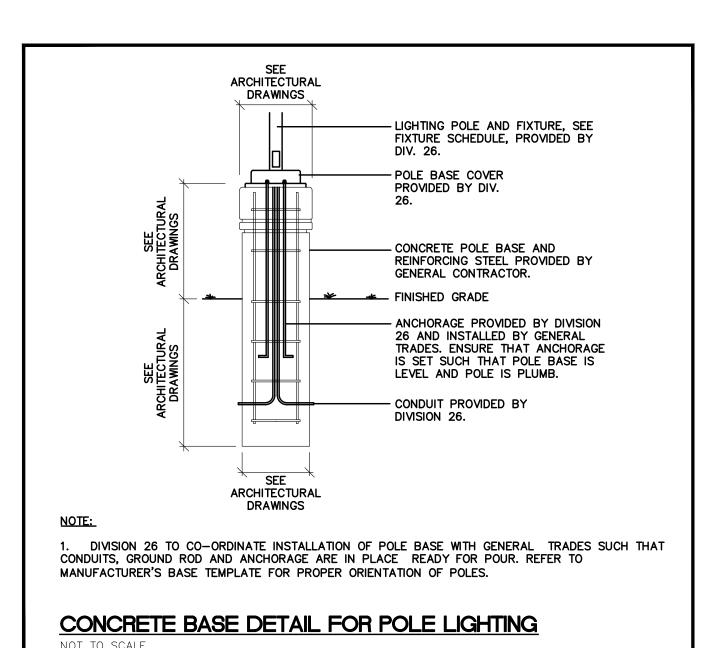


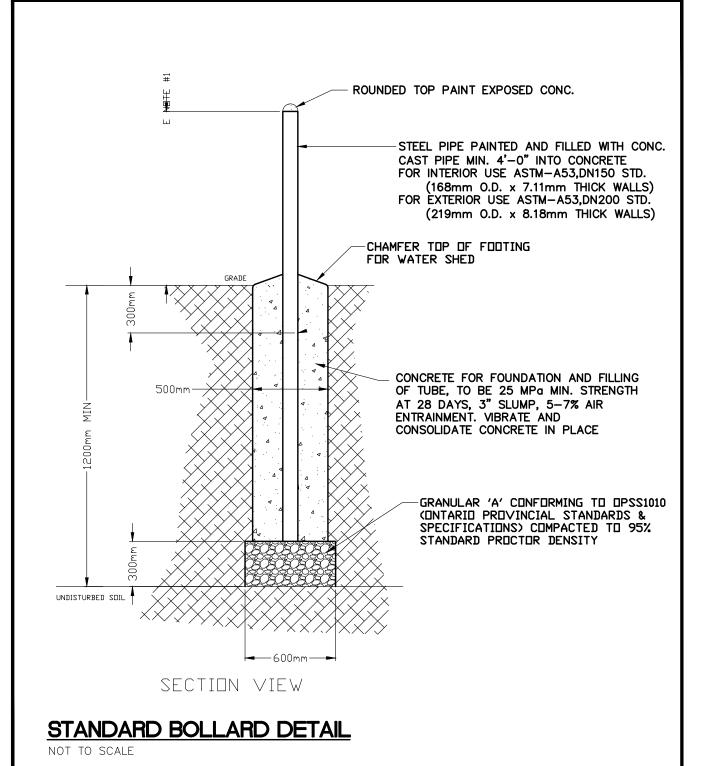


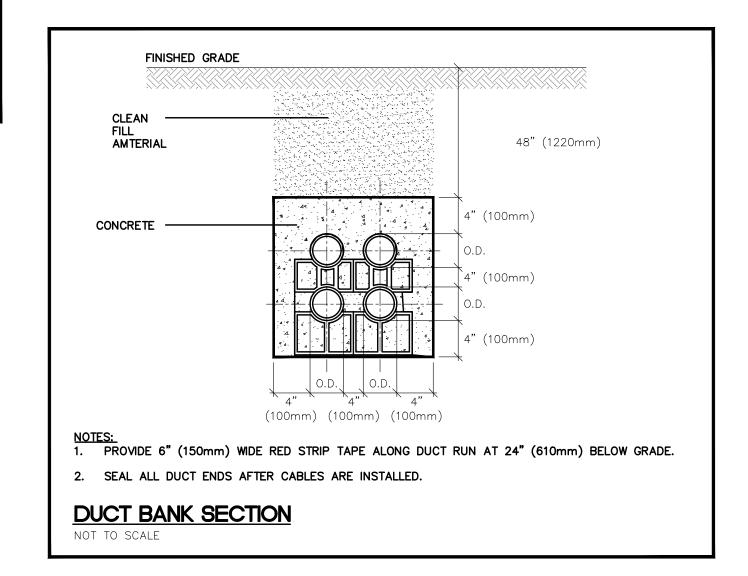




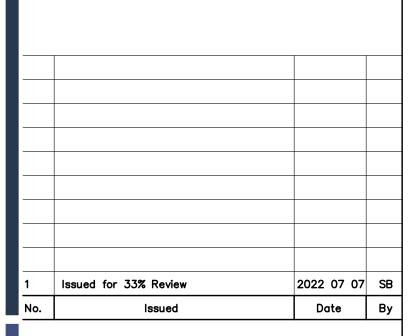








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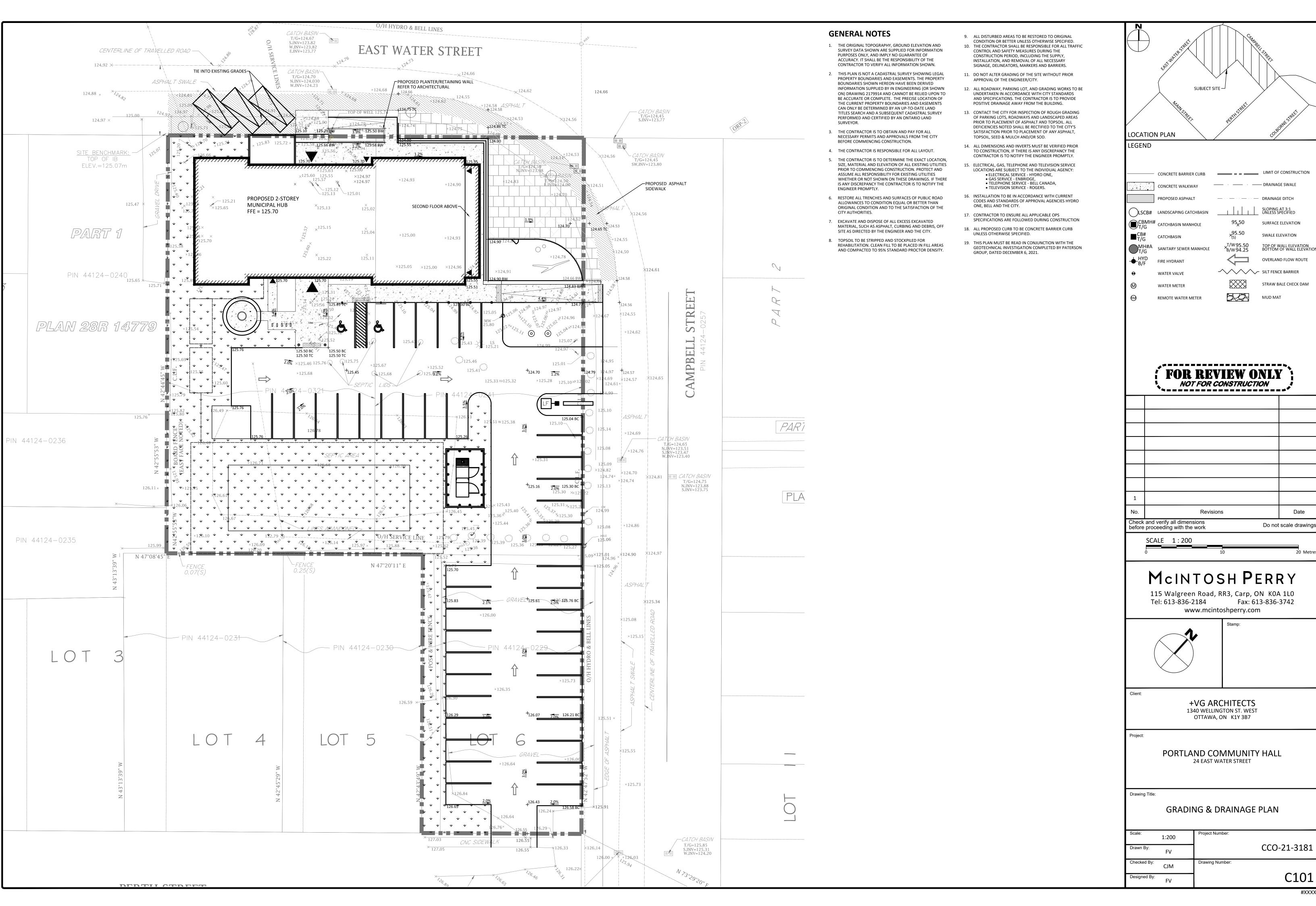
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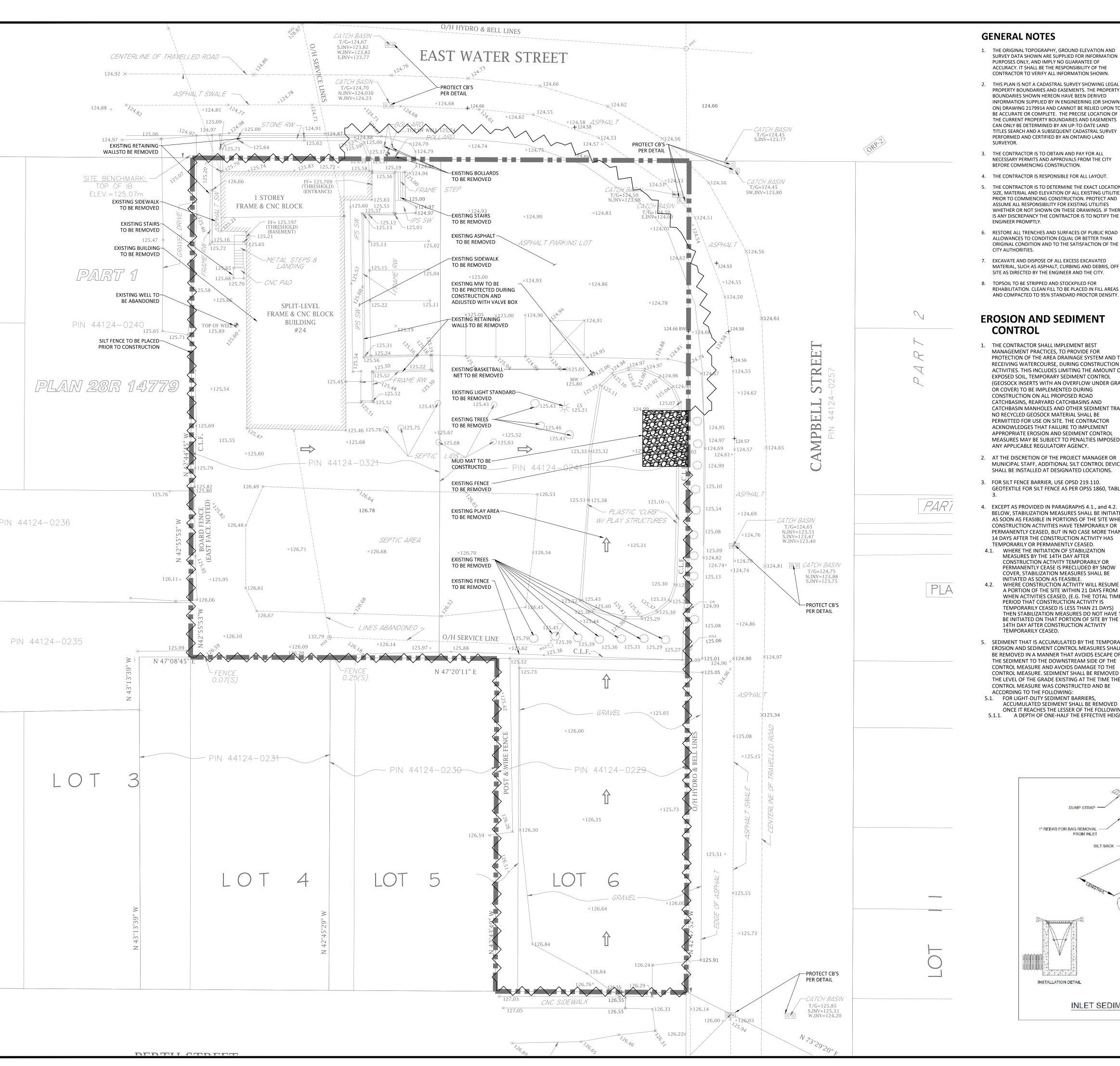
PORTLAND MUNICIPAL HUB

Drawing Title:

ELECTRICAL DETAILS

Drawn By:	Checked By:
AK	AF
Date:	Scale:
2022-06-22	AS SHOWN
Project Number:	Drawing No.:
VR-22-073	E500





### **GENERAL NOTES**

- 1. THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY, AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
- THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN DERIVED INFORMATION SUPPLIED BY IN ENGINEERING (OR SHOWN ON) DRAWING 2179914 AND CANNOT BE RELIED UPON TO BE ACCURATE OR COMPLETE. THE PRECISE LOCATION OF THE CURRENT PROPERTY BOUNDARIES AND EASEMENTS CAN ONLY BE DETERMINED BY AN UP-TO-DATE LAND TITLES SEARCH AND A SUBSEQUENT CADASTRAL SURVEY PERFORMED AND CERTIFIED BY AN ONTARIO LAND
- 3. THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY BEFORE COMMENCING CONSTRUCTION.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.
- 5. THE CONTRACTOR IS TO DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME ALL RESPONSIBILITY FOR EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE
- 6. RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AUTHORITIES.
- EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE CITY.
- 8. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.

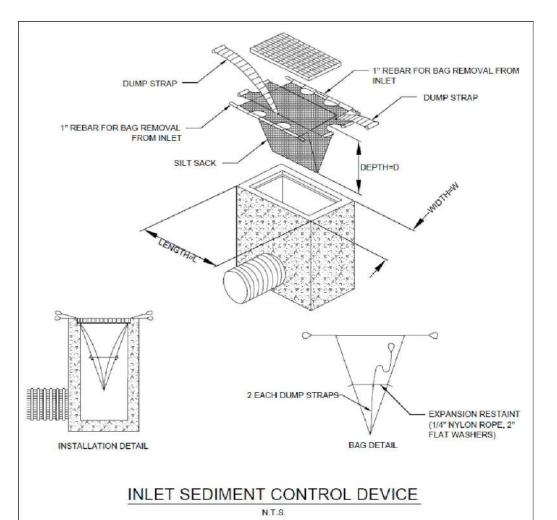
# **EROSION AND SEDIMENT**

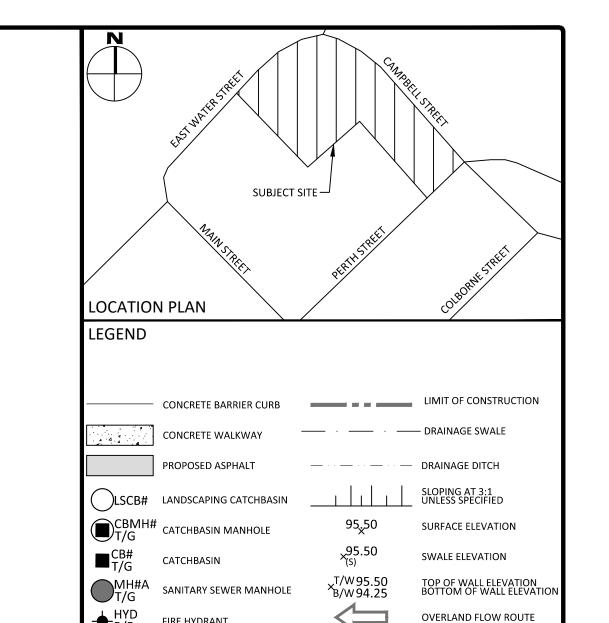
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL. TEMPORARY SEDIMENT CONTROL (GEOSOCK INSERTS WITH AN OVERFLOW UNDER GRATE OR COVER) TO BE IMPLEMENTED DURING CONSTRUCTION ON ALL PROPOSED ROAD CATCHBASINS, REARYARD CATCHBASINS AND CATCHBASIN MANHOLES AND OTHER SEDIMENT TRAPS. NO RECYCLED GEOSOCK MATERIAL SHALL BE PERMITTED FOR USE ON SITE. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
- MUNICIPAL STAFF, ADDITIONAL SILT CONTROL DEVICES SHALL BE INSTALLED AT DESIGNATED LOCATIONS.
- 3. FOR SILT FENCE BARRIER, USE OPSD 219.110. GEOTEXTILE FOR SILT FENCE AS PER OPSS 1860, TABLE
- 4. EXCEPT AS PROVIDED IN PARAGRAPHS 4.1., and 4.2. BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY HAS
- TEMPORARILY OR PERMANENTLY CEASED. 4.1. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OF PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE
- INITIATED AS SOON AS FEASIBLE. 4.2. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARII Y CEASED.
- SEDIMENT THAT IS ACCUMULATED BY THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED IN A MANNER THAT AVOIDS ESCAPE OF THE SEDIMENT TO THE DOWNSTREAM SIDE OF THE CONTROL MEASURE AND AVOIDS DAMAGE TO THE CONTROL MEASURE. SEDIMENT SHALL BE REMOVED TO THE LEVEL OF THE GRADE EXISTING AT THE TIME THE CONTROL MEASURE WAS CONSTRUCTED AND BE ACCORDING TO THE FOLLOWING:
- 5.1. FOR LIGHT-DUTY SEDIMENT BARRIERS. ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE IT REACHES THE LESSER OF THE FOLLOWING: 5.1.1. A DEPTH OF ONE-HALF THE EFFECTIVE HEIGHT

- 9. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFFTY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY INSTALLATION, AND REMOVAL OF ALL NECESSARY
- 11. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE ENGINEER/CITY.

SIGNAGE, DELINEATORS, MARKERS AND BARRIERS.

- L2. ALL ROADWAY, PARKING LOT, AND GRADING WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
- 13. CONTACT THE CITY FOR INSPECTION OF ROUGH GRADING OF PARKING LOTS, ROADWAYS AND LANDSCAPED AREAS PRIOR TO PLACEMENT OF ASPHALT AND TOPSOIL. ALL DEFICIENCIES NOTED SHALL BE RECTIFIED TO THE CITY'S SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED & MULCH AND/OR SOD.
- 14. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
- 15. ELECTRICAL, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS ARE SUBJECT TO THE INDIVIDUAL AGENCY: • ELECTRICAL SERVICE - HYDRO ONE, GAS SERVICE - ENBRIDGE,
   TELEPHONE SERVICE - BELL CANADA, TELEVISION SERVICE - ROGERS.
- 16. INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES HYDRO ONE. BELL AND THE CITY.
- 17. CONTRACTOR TO ENSURE ALL APPLICABLE OPS SPECIFICATIONS ARE FOLLOWED DURING CONSTRUCTION
- 18. ALL PROPOSED CURB TO BE CONCRETE BARRIER CURB JNLESS OTHERWISE SPECIFIED.
- 19. THIS PLAN MUST BE READ IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION COMPLETED BY PATERSON GROUP, DATED DECEMBER 6, 2021.
- OF THE CONTROL MEASURE. A DEPTH OF 300 MM IMMEDIATELY UPSTREAM OF THE CONTROL MEASURE.
- 5.2. FOR ALL CONTROL MEASURES, ACCUMULATED SEDIMENT SHALL BE REMOVED AS NECESSARY TO PERFORM MAINTENANCE REPAIRS.
- 5.3. ACCUMULATED SEDIMENT SHALL BE REMOVED PRIOR TO THE REMOVAL OF THE CONTROL
- ACCUMULATED SEDIMENT IS TO BE REMOVED AND DISPOSED OF AS PER OPSS 180.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MONITORED TO ENSURE THEY ARE IN EFFECTIVE WORKING ORDER. THE CONDITION OF THE CONTROL MEASURES SHALL BE MONITORED PRIOR TO ANY FORECAST STORM EVENT AND FOLLOWING A STORM EVENT.
- 7. DUST CONTROL MEASURES SHOULD BE CONSIDERED PRIOR TO CLEARING AND GRADING. THE USE OF WATER, CALCIUM CHLORIDE FLAKES/SOLUTION OR MAGNESIUM CHLORIDE FLAKES/SOLUTION SHALL BE USED AS DUST SUPPRESSANTS AS PER OPSS 506. THIS IS TO LIMIT WIND EROSION OF SOILS WHICH MAY TRANSPORT SEDIMENTS OFFSITE, WHERE THEY MAY BE WASHED INTO THE RECEIVING WATER BY THE NEXT RAINSTORM.
- ALL 'GREEN AREAS' TO BE TREATED WITH 150mm TOPSOIL AND SOD AS SOON AS FEASIBLE, AS PER OPSS
- ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
- . STOCKPILED MATERIAL IS TO BE STORED AWAY FROM POTENTIAL RECEIVERS (E.G. STORM CATCHBASINS, MANHOLES), AND BE SURROUNDED BY EROSION CONTROL MEASURES WHERE MATERIAL IS LEFT IN PLACE IN EXCESS OF 14 DAYS.
- 11. IF REQUIRED, DEWATERING/SETTLING BASINS SHALL BE CONSTRUCTED AS PER OPSD 219.240 AND LOCATED ON FLAT GRADE UPSTREAM OF OTHER EXISTING MITIGATION MEASURES. WATERCOURSES SHALL NOT BE DIVERTED, OR BLOCKED, AND TEMPORARY WATERCOURSES CROSSINGS SHALL NOT BE CONSTRUCTED OR UTILIZED, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. IF CLOSURE OF ANY PERMANENT WATER PASSAGE IS NECESSARY, THE CONTRACTOR SHALL RELEASE ANY STRANDED FISH TO THE OPEN PORTION OF THE WATERCOURSE WITHOUT
- 12. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO OPSS 577
- 13. WHERE DEWATERING IS REQUIRED. THE DISCHARGED WATER SHALL BE CONTROLLED IN ACCORDANCE WITH
- 14. ALL SETTLING/FILTRATION BASINS SHALL BE EQUIPPED WITH TERRAFIX 270R GEOTEXTILE (OR APPROVED EQUIVALENT) AND SHALL BE CLEANED AND REPLACED AS REQUIRED.





# NOT FOR CONSTRUCTION

WATER VALVE

WATER METER

SCALE 1:200

REMOTE WATER METER

SILT FENCE BARRIER

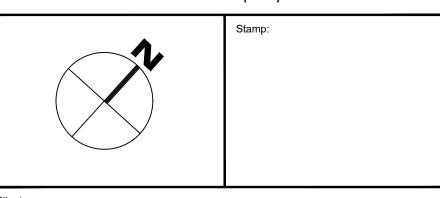
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1			
No.	Revisions		Date
Check before	and verify all dimensions proceeding with the work	Do not	scale drawing

# McINTOSH PERRY

115 Walgreen Road, RR3, Carp, ON KOA 1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com



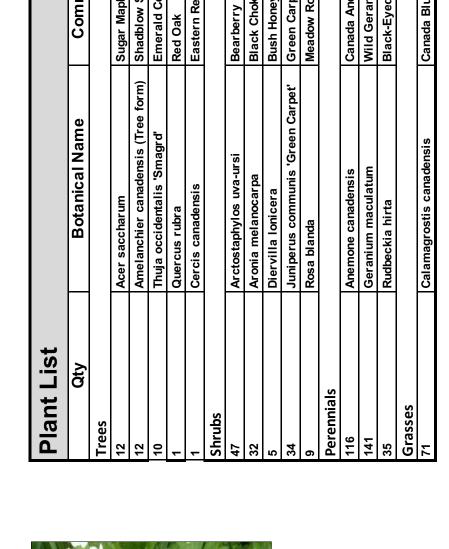
+VG ARCHITECTS
1340 WELLINGTON ST. WEST OTTAWA, ON K1Y 3B7

PORTLAND COMMUNITY HALL 24 EAST WATER STREET

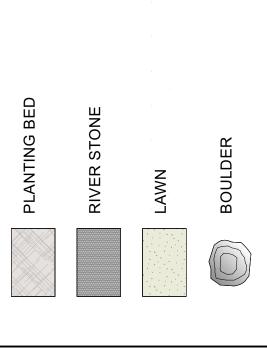
**REMOVALS, EROSION & SEDIMENT CONTROL PLAN** 

1:200 CCO-21-3181 CJM

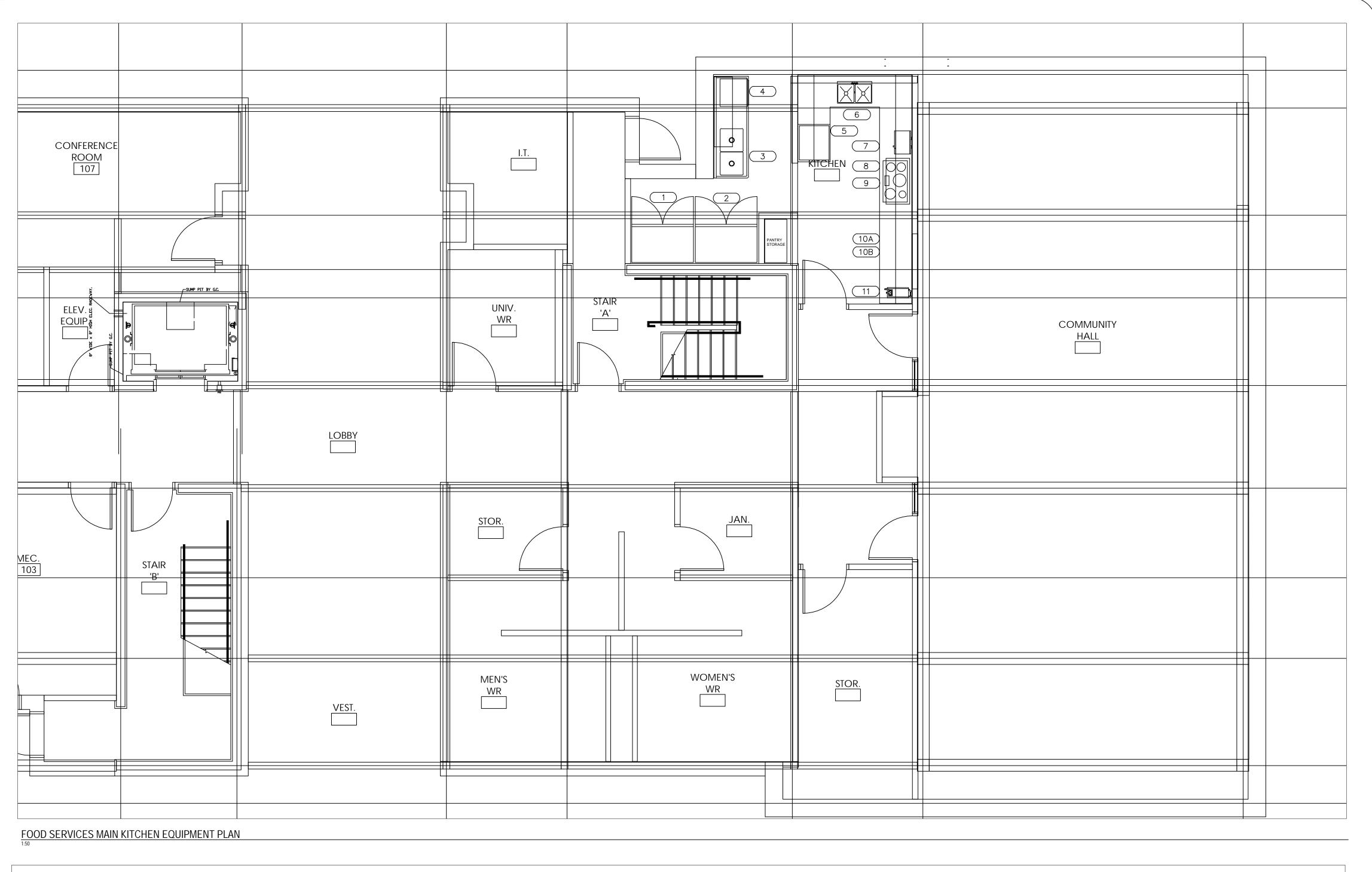




Botanical Name	Common Name	Size
Acer saccharum	Sugar Maple	50mmWB
Amelanchier canadensis (Tree form)	Shadblow Serviceberry	45cmWB
Thuja occidentalis 'Smagrd'	Emerald Cedar	200cmWB
Quercus rubra	Red Oak	50cmWB
Cercis canadensis	Eastern Redbud	50cmWB
Arctostaphylos uva-ursi	Bearberry	2g
Aronia melanocarpa	Black Chokeberry	5g
Diervilla Ionicera	Bush Honeysuckle	2g
Juniperus communis 'Green Carpet'	Green Carpet Juniper	3g
Rosa blanda	Meadow Rose	2g
Anemone canadensis	Canada Anemone	1g
Geranium maculatum	Wild Geranium	1g
Rudbeckia hirta	Black-Eyed Susan	1g
Calamagrostis canadensis	Canada Bluejoint	1g



Scale 1:150 Sheet Size : 24" x



			EQUIPMENT	SCHE	DULE	 - _											
Item No	Qty Equipment Category	Manufacturer	Model Number	Amps	X	НР	Volts	Phase	Direct	Plug Cold Water	(in) Wate	1 ( )	Indir Drain Size (in)	МВТИН	HVAC Exhaust Duct Size (in)	HVAC Exhaust CFM	::.,
1	1 Freezer, Reach—In	Traulsen	CLBM-49F-FS-LR	11.1			115	1 6	0	Х							
2	1 Refrigerator, Reach—In	Traulsen	CLBM-49R-FS-LR	6.7			115	1 6	0	X							
3	1 Dishtable w/Sink	Custom S/S								0.	5 0.5		1.5				_
4	1 Warewasher, Undercounter	Champion Industries	UH230B	32.0	6.0	1.0	208	1 6	о х		0.5		1.5				
5	1 Double Wall Oven	Whirlpool	WOD77EC7HS	2.6	1.0		115	1 6	0	Х							
6	1 Two Comp Sink	Custom								0.	5 0.5		1.5				
7	1 Oven, Microwave	Panasonic	NE-1054F	13.4	1.0		120	1 6	0	Х							_
8	1 Cooktop Hood	Best	CP351429SB	2.6	1.0		115	1 6	0	Х					450		
9	1 Induction Cooktop	KitchenAid	KICU509XBL	40.0	1.0		240	1 6	0	Х							7
10A	1 U Shaped Work Counter	Custom S/S															_
10B	1 Overhead Shelf-Cupboard	Custom S/S															_
11	1 Coffee Maker, Airpot, Automatic	Bunn-O-Matic	23001.0051		1.5		115	1 6		X							_

GROUND FLOOR - REFRIGERATED LAUNDRY AND WASTE ROOM

PLANNED FOODSERVICE SOLUTIONS INC. KEY PLAN 1 JULY 11, 2022 ISSUED FOR PRELIMINARY REVIEW NO. DATE REVISION ALL DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF PLANNED FOODSERVICE SOLUTIONS INC. AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS AND RELATED DOCUMENTS IN PART OR IN WHOLE IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF PLANNED FOODSERVICE SOLUTIONS INC. THE CONTRACTOR SHALL VERIFY AND ASSUME THE FULL RESPONSIBILITY OF ALL THE SITE DIMENSIONS AND REPORT ANY DISCREPANCIES TO PLANNED FOODSERVICE SOLUTIONS INC. planned foodservice solutions 1641 Orford Crescent Ottawa, ON K4A 1V3 (613) 981-3549 doug.feltmate@gmail.com SCALE:

CHECKED: DF JULY 7, 2022

PROJECT:

PORTLAND MUNICIPAL HUB PORTLAND, ONTARIO

CLIENT

+VG ARCHITECTS 1340 WELLINGTON ST. W. OTTAWA, ONTARIO K1Y 3B7

TITLE:

FOODSERVICE EQUIPMENT PLAN

PROJECT NO.:

DRAWING NO.:

22-438

FS-01