BUILDING INFORMATION & GENERAL NOTES SITE PLAN DEMOLITION PLAN GROUND FLOOR PLAN

FOUNDATION AND SIDEWALK PLAN ROOF & CEILING PLANS AND ELEVATIONS **BUILDING SECTIONS**

SHEET NAME

DRAWING INDEX

WALL SECTIONS **DETAILS DETAILS**

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A-502

ARCHITECTURAL

City of Peterborough BEAVERMEAD CAMPGROUND GATEHOUSE

Peterborough, **ON K9L 1P8**

ARCHITECT:

Lett Architect Inc. 138 Simcoe Street Peterborough, Ontario K9H 2H5 P.705.743.3311 E.studio@lett.ca

STRUCTURAL ENGINEER **AMR Engineering Limited**

920 Alness Street, Suite 205, Toronto ON M3J 2H7 P.(416) 551-1611 E.dkotóbelli@amrengineering.ca

MEP ENGINEER Durham Energy Specialist Ltd.

209 Dundas St E #106, Whitby ON L1N 7H8 P.905-430-7151 E.jgreer@durhamenergy.com

ELECTRICAL ENGINEER Durham Energy Specialist Ltd.

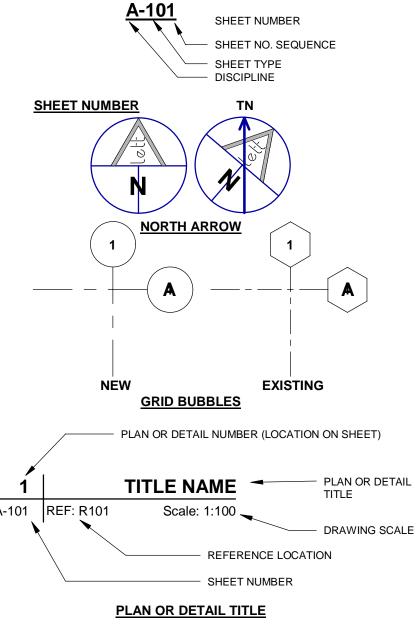
209 Dundas St E #106, Whitby ON L1N 7H8 P.905-430-7151 E.lconforti@durhamenergy.com

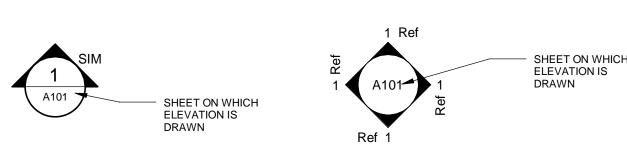
CIVIL ENGINEER: Engage Engineering Ltd.

171 King Street Suite 120. Peterborough ON K9J 2R8 P.705.755.0427 x215 E.lucas@engageeng.ca









INTERIOR ELEVATION REFERENCE

WALL SECTION REFERENCE

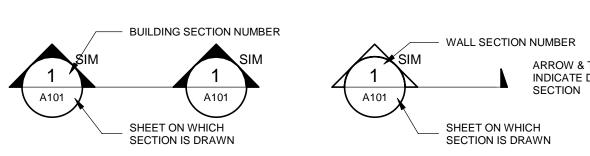
EXTERIOR ELEVATION REFERENCE

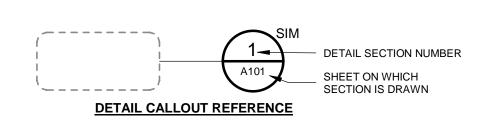
BUILDING SECTION REFERENCE

REVISION CALLOUT
AND CLOUD

XX

KEYNOTES





Room Name	Room Name	Room Name	
	101	101 150 SF	
ROOM NAME	W/ ROOM NUM		∠ DESCRIPTION
DD101A	1t	W101A (L1) WIDTH	/
	RROWED WII TE TAG	NDOW TAG LOUVER TAG	CASEWORK TAG
Wall Finish Base Finish Floor Finish DESC. —	S10.1 FIRE RATIN	Typ@-Mark HEIGHT A.F.F.	
FINISH TAG WA	ALL TAG	CEILING TAG	
EL: 2500 mm AFF	•	Name EL Elevation	
SPOT ELEVA	ATIONS	LEVEL HEADS	
MATCHLINE SEE 1	/ A101	Ę	
MATCHLINE RE	FERENCE	CENTERLINE TAG	
		_	

FLOW ARROW REFERENCE

NOTES

	BIT	BITUMINOUS
	BLDG	BUILDING
	BLK	BLOCK
	BLKG BM	BLOCKING BEAM
	BO	BOTTOM OF
	BOT	BOTTOM
	BRG	BEARING
	BRK BRKT	BRICK BRACKET
		BASEMENT
	С	
	С	CHANNEL
	CAB CAT	CABINET CATEGORY
	CB	CATCH BASIN
N WHICH	СВ	CEMENT BOARD
ON IS	CBU	CEMENTITIOUS BACKER UNIT
	CC CCTV	CENTER TO CENTER CLOSED CIRCUIT TELEVISION
	CEM	CEMENT
	CER	CERAMIC
	CG	CORNER GUARD
	CH CI	CHILLER CAST IRON
	CIP	CAST-IN-PLACE
	CJ	CONTROL JOINT
	CL	CENTERLINE
TAIL	CLG CLR	CEILING CLEAR
DIRECTION OF	CNTR	COUNTER
	CO	CLEANOUT
	COL	COLUMN
	CONC	CONCRETE CONDITION
	CONN	CONNECTION
	CONST	CONSTRUCTION
	CONT	CONTINUOUS
	CONTR	CONTRACTOR COORDINATE
	CORR	CORRIDOR
	CPT	CARPET
	CT	CERAMIC TILE
	CTR CTSK	CENTER COUNTERSUNK
	CW	COLD WATER
	D	
	D	DEEP, DEPTH
	DBL DEG	DOUBLE DEGREE
		DEMOLISH OR DEMOLITION
	DEMO	DEMOLITION
		DEPARTMENT
	DF DIA	DRINKING FOUNTAIN DIAMETER
	DIFF	DIFFUSER
DESCRIPTION	DIM	DIMENSION
	_	DIMENSIONS
DEPTH	DISP DIV	DISPENSER DIVISION
HEIGHT	DMPF	DAMP PROOFING
TAG	DN	DOWN
	DO DR	DOOR OPENING DOOR
	DRN	DRAIN
	DS	DOWNSPOUT
	DS	DOWN SPOUT
	DTL DW	DETAIL DISHWASHER
	DWG	DRAWING
	_	DRAWER
	E	
	CMU E	CONCRETE MASONRY UNIT
	EA	EACH
	EB	EXPANSION BOLT
	EJ	EXPANSION JOINT
	ELEC	ELEVATION ELECTRICAL
	ELEC ELEV	ELEVATOR
	EMER	EMERGENCY
	ENCL	ENCLOSURE
	ENG EP	ENGINEER ELECTRICAL PANEL
	EPDM	ETHYLENE PROPYLENE DIENE
		M-CLASS
	EQ	EQUAL

A		EQUIP	EQUIPMENT
& @	AND AT	EXH EXIST	EXHAUST EXISTING
AB	ANCHOR BOLT	EXP	EXPANSION
AC	AIR CONDITIONING	EXT	EXTERIOR
ACC	ACCESSIBLE	F	
ACOUST	ACOUSTICAL	FA	FIRE ALARM
ACT	ACOUSTIC CEILING TILE	FB	FACE BRICK
AD ADJ	AREA DRAIN ADJACENT	FD FD	FLOOR DRAIN FLOOR DRAIN OR FIRE
AFF	ABOVE FINISHED FLOOR	10	DEPARTMENT
AFG	ABOVE FINISHED GRADE	FDC	FIRE DEPARTMENT
AGGR	AGGREGATE	FE	CONNECTION FIRE EXTINGUISHER
ALT	ALTERNATE	FEC	FIRE EXTINGUISHER CABINET
ALUM ANOD	ALUMINUM ANODIZED	FF&E	FURNITURE, FIXTURES AND
APC	ACOUSTICAL PANEL CEILING		EQUIPMENT
APPROX	APPROXIMATE	FFB	FLUSH FLOOR BOX
ARCH	ARCHITECTURAL	FFEL FH	FINISH FLOOR ELEVATION FLAT HEAD
ASPH	ASPHALT	FHC	FIRE HOSE CABINET
ATTN AUTO	ATTENTION AUTOMATIC	FIN	FINISH
AV	AUDIOVISUAL	FIXT	FIXTURE
В		FLASH	FLASHING
BD	BOARD	FLR FLUOR	FLOOR FLUORESCENT
BIT	BITUMINOUS	FND	FOUNDATION
BLDG BLK	BUILDING BLOCK	FO	FACE OF
BLKG	BLOCKING	FP	FIRE PROTECTION
BM	BEAM	FPG	FIREPROOFING
ВО	BOTTOM OF	FR FRC	FIRE RESISTANT FIBER REINFORCED
BOT	BOTTOM	FRC	CONCRETE
BRG	BEARING	FRT	FIRE RETARDANT TREATED
BRK BRKT	BRICK BRACKET	FT	FEET/FOOT
BSMNT	BASEMENT	FTG	FOOTING
С		FURN FURR	FURNITURE FURRING
С	CHANNEL	FWC	FABRIC WALL COVERING
CAB	CABINET	FWP	FABRIC WRAPPED PANEL
CAT CB	CATEGORY CATCH BASIN	G	
CB	CEMENT BOARD	GALV	GAUNANIZED
CBU	CEMENTITIOUS BACKER UNIT	GALV GB	GALVANIZED GRAB BAR
CC	CENTER TO CENTER	GC	GENERAL CONTRACT(OR)
CCTV	CLOSED CIRCUIT TELEVISION	GEN	GENERAL
CEM CER	CEMENT CERAMIC	GFRC	GLASS FIBER REINFORCED
CG	CORNER GUARD	GL	CONCRETE GLASS
CH	CHILLER	GLAZ	GLAZING
CI	CAST IRON	GRAN	GRANULAR
CIP	CAST-IN-PLACE	GRD	GROUND
CJ CL	CONTROL JOINT CENTERLINE	GRFG	GLASS FIBER REINFORCED GYPSUM
CLG	CEILING	GSM	GALVANIZED SHEET METAL
CLR	CLEAR	GV	GAS VALVE
CNTR	COUNTER	GWB	GYPSUM WALL BOARD
CO	CLEANOUT	GYP	GYPSUM
COL	COLUMN CONCRETE	H H	HICH/HEICHT
COND	CONDITION	нB	HIGH/HEIGHT HOSE BIB
CONN	CONNECTION	HB	HOSE BIBB
CONST	CONSTRUCTION	HC	HANDICAPPED
CONT	CONTINUOUS	HDWD	HARDWOOD
COORD	CONTRACTOR COORDINATE	HDWR HGT	HARDWARE HEIGHT
CORR	CORRIDOR	HM	HOLLOW METAL
CPT	CARPET	HNDRL	HANDRAIL
CT	CERAMIC TILE	НО	HOLD OPEN
CTR	CENTER	HORIZ	HORIZONTAL
CTSK CW	COUNTERSUNK COLD WATER	HR HRC	HOUR HOSE REEL CABINET
D	GOLD WATER	HTG	HEATING
D	DEEP, DEPTH	HVAC	HEATING VENTILATION AND
DBL	DOUBLE		AIR CONDITIONING
DEG	DEGREE	HW	HOT WATER
DEMO DEMO	DEMOLISH OR DEMOLITION DEMOLITION	I ID	INSIDE DIAMETER
DEPT	DEPARTMENT	IN	INCH/INCHES
DF	DRINKING FOUNTAIN	INCAND	INCANDESCENT
DIA	DIAMETER	INCL	INCLUDED/INCLUDING
DIFF	DIFFUSER	INFO	INFORMATION
DIM DIMS	DIMENSION DIMENSIONS	INSUL INSUL	INSULATION INSULATED OR INSULATION
DISP	DISPENSER	INT	INTERIOR
DIV	DIVISION	INTERM	INTERMEDIATE
DMPF	DAMP PROOFING	INV	INVERT
DN	DOWN DOOR OPENING	J	IANITOP
DO DR	DOOR OPENING DOOR	JAN JC	JANITOR JANITOR'S CLOSET
DRN	DRAIN	JST	JOIST
DS	DOWNSPOUT	JT	JOINT
DS	DOWN SPOUT	K	KITOLIEN
DTL DW	DETAIL DISHWASHER	KIT KO	KITCHEN KNOCK OUT
DWG	DRAWING	L	

LAMINATE LAVATORY

POUNDS

LIGHT

MASONRY

MAXIMUM MECHANICAL

MEDIUM

MINIMUM

MANUFACTURER MAN HOLE

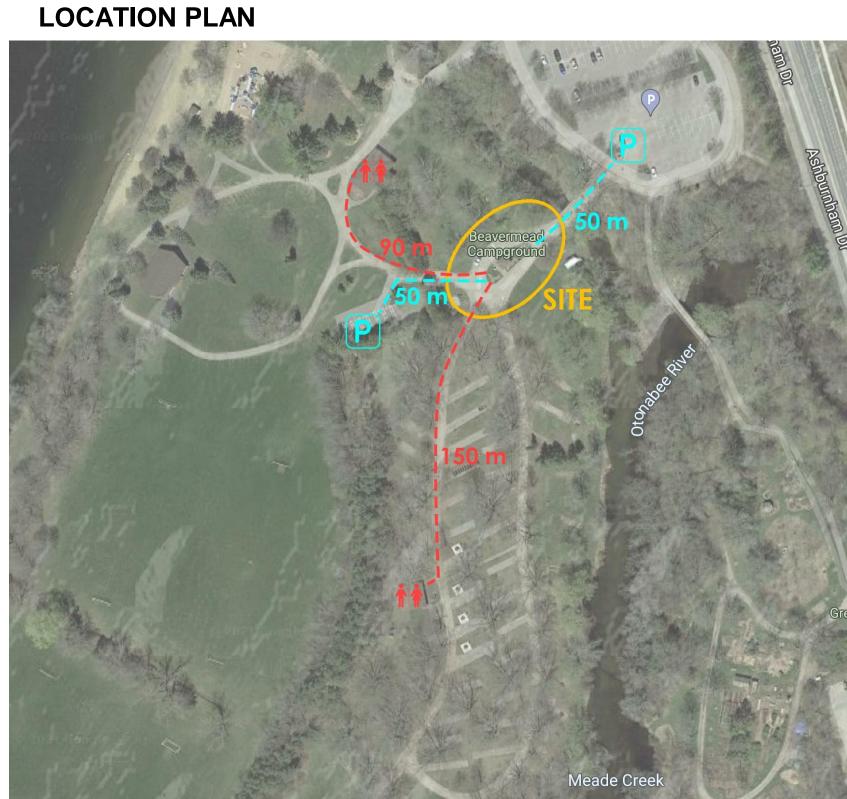
MISCELLANEOUS

MASONRY OPENING

MEMBR MEMBRANE

LONG LEG HORIZONTAL LONG LEG VERTICAL

MR	MOISTURE RESISTANT	R			SUBCATEGORY
MTD	MOUNTED	R	RADIUS/RISER	SUSP	SUSPENDED
MTG	MOUNTING	RA	RETURN AIR	SYM	SYMMETRICAL
MTL	METAL	RAD	RADIUS	SYS	SYSTEM
MULL	MULLION	RB	RESILIENT BASE	Т	
N	MOZZION	RBR	RUBBER	T	TREAD
	NORTH	RCP	REFLECTED CEILING PLAN		
N	NORTH			T&B	TOP AND BOTTOM
NA	NOT APPLICABLE	RD	ROOF DRAIN	T&G	TONGUE AND GROOVE
NC	NOISE CRITERIA	REC	RECESSED	TB	TOWEL BAR
NIC	NOT IN CONTRACT	RECPT	RECEPTACLE	TEL	TELEPHONE/TELECOM
NO	NUMBER	REF	REFERENCE	TELE	TELEPHONE
NOM	NOMINAL	REFR	REFRIGERATOR	TEMP	TEMPERATURE
NON	NON COMBUSTIBLE	REG	REGISTER	TEMP	TEMPORARY
COMB		REINF	REINFORCED REINFORCING	THK	THICKNESS
NTS	NOT TO SCALE	REINF	REINFORCED	THRU	THROUGH
0		REL	RELOCATE	TKBD	TACK BOARD
OA	OUTSIDE AIR	REM	REMOVABLE	TLT	TOILET
OC	ON CENTER				-
		REOOM	RECOMMENDED	TMPD	TEMPERED
OD	OUTSIDE DIAMETER	REQ	REQUIRE/REQUIRED	TO	TOP OF
OD	OVERFLOW DRAIN	REQD	REQUIRED	TOB	TOP OF BEAM
OFCI	OWNER FURNISHED,	RESIL	RESILIENT	TOC	TOP OF CONCRETE
	CONTRACTOR INSTALLED	REV	REVISION/REVISED	TOS	TOP OF STEEL
OFF	OFFICE	RM	ROOM	TS	TUBE STEEL
OFOI	OWNER FURNISHED, OWNER	RO	ROUGH OPENING	TV	TELEVISION
	INSTALLED	RTD	RATED	TYP	TYPICAL
OH	OVERHEAD	RTG	RATING	U	TTTIOALE
OPNG	OPENING		_	UNFIN	UNFINISHED
OPP	OPPOSITE	RWL	RAIN WATER LEADER	_	
ORD	OVERFLOW ROOF DRAIN	S		UNO	UNLESS NOTED OTHERW
P		S	SOUTH	UON	UNLESS OTHERWISE NO
Р	PAINT	SA	SUPPLY AIR	URNL	URINAL
		SAF	SELF ADHERED FLASHING	V	
PAV	PAVING	SC	SOLID CORE	VAC	VENTILATION AND AIR
PBD	PARTICLE BOARD	SCHED	SCHEDULE		CONDITIONING
PC	PRECAST	SCL	STRUCTURAL COMPOSITE	VAR	VARIES
PDF	POWER DRIVEN FASTENER		LUMBER	VCT	VINYL COMPOSITION TILI
PERF	PERFORATED	SD	STORM DRAIN	VERT	VERTICAL
PERIM	PERIMETER	SECT	SECTION	VEST	VESTIBULE
PERP	PERPENDICULAR	SF	SQUARE FEET/FOOT	VIF	VERIFY IN FIELD
PI.	PLATE			VIF	
PLAM	PLASTIC LAMINATE	SH	SPRINKLER HEAD		VISION PANEL
PLAS	PLASTER	SHR	SHOWER	VR	VAPOR RETARDER
		SHT	SHEET	VT	VINYL TILE
PLBG	PLUMBING	SIM	SIMILAR	VWC	VINYL WALL COVERING
PLF	POUNDS PER LINEAR FOOT	SM	SHEET METAL	W	
PLYWD	PLYWOOD	SM	SURFACE MOUNTED	W	WIDE/WEST
PNL	PANEL	SP	STANDPIPE	W/	WITH
PNT	PAINT OR PAINTED	SPEC	SPECIFICATION	W/O	WITHOUT
POL	POLISHED	SPEC	SPECIFIED OR SPECIFICATION	WC	WATER CLOSET
PR	PAIR	SPK	SPRINKLER OR SPEAKER	WD	WOOD
PREFAB	PREFABRICATED				
PROJ	PROJECT	SPKR	SPEAKER	WIN	WINDOW
PSF	POUNDS PER SQUARE FOOT	SQ	SQUARE	WM	WIRE MESH
		SS	STAINLESS STEEL	WP	WATERPROOF/WATERPR
PT	POINT	SSK	SERVICE SINK		NG
PT	PRESSURE TREATED	STA	STATION	WPM	WATERPROOF MEMBRAN
PTD	PAINTED	STC	SOUND TRANSMISSION	WS	WEATHER-STRIPPING
PTN	PARTITION		COEFFICIENT	WSCT	WAINSCOT
PVC	POLYVINYL CHLORIDE	STL	STEEL	WT	WEIGHT
Q		STOR	STORAGE	WV	WATER VALVE
QT	QUARRY TILE	STRG	STRINGER	WWF	WELDED WIRE FABRIC
Q i		01110	J		
QTY	QUANTITY	STRUCT	STRUCTURAL	WWM	WELDED WIRE MESH



O.B.C. MATRIX

	2012 ONTARIO BUILDING CODE DATA MATRIX - PARTS 3 AND 9			REFERENCES ARE TO DIVISION B UNLESS NOTED [A] FOR DIVISION A OR [C] FOR DIVISION C.			
01	PROJECT DESCRIPTION	ON:		■ NEW	■ PART 11	■ PART 3	■ PART 9
	CABIN INCLUDING AN CAMPING RESERVATI IMMEDIATE SURROUN THE NEARBY WASHR THIS BUILDING IS MOSTHREE (3) SEASONS ANO OCCUPANCY DUR	I IS TO REPLACE THE CURRENT GOINFORMATION KIOSK AND FOR SAYONS AND FIREWOOD. WITH A NEW IDINGS. TOILET FACILITIES ARE AN OOM PAVILION STLY OPEN AIR AND IS ONLY BEIN AND CLOSED FOR THE WINTER SEING THE WINTER SEING THE WINTER MONTHS, AND THE WINTER SEING CODE REQUIREMENTS ARE NOT THE WINTER SEING CODE REQUIREMENTS ARE NOT THE WINTER SEING THE WINTER SEING THE WINTER MONTHS, AND THE WINTER MONTHS ARE NOT THE WINTER WINTER MONTHS ARE NOT THE WINTER WINTE	LES OF V ONE WITH ITS /AILABLE AT G UTILIZED FOR ASON. THERE IS HEREFORE,	□ ADDITION □ ALTERATION □ CHANGE OF USE	11.1 TO 11.4	1.1.2.[A]	1.1.2.[A] & 9.10.1.
02	MAJOR OCCUPANCY(GROUP E	S):					9.10.2.
	5						
03	BUILDING AREA (m²):	EXISTING: 0 m ²	NEW:	34 m² TOTAL:	34 m²		1.4.1.2.[A]
04	GROSS FLOOR AREA		NEW:	42 m² TOTAL:	42 m²		1.4.1.2.[A]
05		(m²): EXISTING: 0 m² ESS ENCLOSED AREA (m²): MORE UNCLOSED AREA (m²):	NEW:	0 m ² TOTAL: 0 m ² 0 m ²	0 m²		9.10.4.1.
06	NUMBER OF STOREY	. ,	BELOW GRADE				1.4.1.2.[A], 9.10.4
07	BUILDING HEIGHT (m)						
08		S / FIRE FIGHTER ACCESS: 1					9.10.20.
09	BUILDING CLASSIFICA			21110			9.10.2.
10	SPRINKLER SYSTEM	PROPOSED:	☐ ENTIRE BUILT				9.10.8.2.
			☐ SELECTED C				INDEX
			□ BASEMENT O				
			☐ IN LIEU OF RO				
11	STANDPIPE SYSTEM HOSE CABINE	T LOCATION: 30.0M N	MAX. + 3.0M HOSE				N/A
12 13	FIRE ALARM REQUIRE WATER SERVICE/SUF			NO NO			9.10.18. N/A
14	HIGH BUILDING:	PLT IS ADEQUATE. TES		I NO			N/A
15	CONSTRUCTION RES' REQUIRED PROVIDED	: □ COMBUSTIBLE PERMITTED	D D NON-COME		■ BOTH ■ BOTH		
16	HAZARDOUS SUBSTA	NCES: VES		NO NO			
17	BARRIER-FREE DESIG			NO (EXPLAIN):			9.5.2.
18	BARRIER-FREE ENTR		:. a				
		NCES REQ'D TO BE BARRIER FREE OPERATORS REQ'D: □ YES		ı NO			
19	REQUIRED FIRE RESISTANCE RATINGS:	HORIZONTAL ASSEMBLIES RESISTANCE RATINGS (F.R.R.)	FIRE	LISTED DESIGN R ASSEMBLY DESC			9.10.6. 9.10.8.
		(Firefice)	FLO	OR: N/A			9.10.9.
	RATINGS.	FLOOR: N/A	1 20	DF: N/A			
	KATINGS.	ROOF: N/A	ROC				
	KATINGS.	ROOF: N/A MEZZANINE: N/A	ROC MEZ	ZANINE: N/A	N. (III 0)		
	KATINGS.	ROOF: N/A	ROC MEZ				
	KATINGS.	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE	ROC MEZ	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC			
	KATINGS.	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.)	ROC MEZ IGS :RS OF	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A			
	KATINGS.	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN	ROC MEZ IGS IRS OF FLOG ROC MEZ	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A			
20	REQUIRED SEPERATION FIRE RESISTANCE	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME:	ROC MEZ IGS FLOI ROC MEZ REQ	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A			
20	REQUIRED SEPERATION	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN	ROC MEZ IGS IRS OF FLOG ROC MEZ	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A			
20	REQUIRED SEPERATION FIRE RESISTANCE	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES	ROC MEZ IGS FLOC ROC MEZ REG N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A			
20	REQUIRED SEPERATION FIRE RESISTANCE	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS	ROC MEZ IGS FLOG ROC MEZ REG N/A N/A N/A N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A			
20	REQUIRED SEPERATION FIRE RESISTANCE	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES	ROC MEZ IGS FLOG ROC MEZ REQ N/A N/A N/A N/A N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A			
20	REQUIRED SEPERATION FIRE RESISTANCE	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY	ROCO MEZ IGS FLOO ROCO MEZ REG N/A N/A N/A N/A N/A N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A			
20	REQUIRED SEPERATION FIRE RESISTANCE	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES	ROC MEZ IGS FLOG ROC MEZ REQ N/A N/A N/A N/A N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A			
20	REQUIRED SEPERATION FIRE RESISTANCE	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM	ROCO MEZ IGS FLOO ROCO MEZ REQ N/A N/A N/A N/A N/A N/A N/A N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A			
20	REQUIRED SEPERATION FIRE RESISTANCE	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS	ROCO MEZ IGS FLOO ROCO MEZ REQ N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A			
21	REQUIRED SEPERATION FIRE RESISTANCE RATINGS:	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS EXITS - CORRIDORS	ROCO MEZ IGS FLOO ROCO MEZ REQ N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A PUIRED RATING:			
	REQUIRED SEPERATION FIRE RESISTANCE RATINGS: EXITS: OCCUPANT LOAD:	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS EXITS - CORRIDORS LOBBY SEPARATION TO OTHER MAX. TRAVEL DISTANCE:	ROCO MEZ IGS FLOO ROCO MEZ REQ N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A RUIRED RATING:	RIPTION (SB-2)		9.9.1.3.
21	REQUIRED SEPERATION FIRE RESISTANCE RATINGS: EXITS: OCCUPANT LOAD: OCCUPANT LOAD	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS EXITS - CORRIDORS LOBBY SEPARATION TO OTHE! MAX. TRAVEL DISTANCE:	ROCO MEZ IGS IRS OF FLOO ROCO MEZ REQ N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A PUIRED RATING:	RIPTION (SB-2)		9.9.1.3.
21	REQUIRED SEPERATION FIRE RESISTANCE RATINGS: EXITS: OCCUPANT LOAD: OCCUPANT LOAD	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS EXITS - CORRIDORS LOBBY SEPARATION TO OTHER MAX. TRAVEL DISTANCE:	ROCO MEZ IGS IRS OF FLOO ROCO MEZ REQ N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A RUIRED RATING:	RIPTION (SB-2)		9.9.1.3.
21	REQUIRED SEPERATION FIRE RESISTANCE RATINGS: EXITS: OCCUPANT LOAD: OCCUPANT LOAD	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS EXITS - CORRIDORS LOBBY SEPARATION TO OTHE! MAX. TRAVEL DISTANCE: BASED ON: Sq.m. CCUPANCY: LOA	ROCO MEZ IGS IRS OF FLOO ROCO MEZ REQ N/A	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A RUIRED RATING: DESIGN OF BUIL PERSONS: 4	RIPTION (SB-2)		9.9.1.3.
21	REQUIRED SEPERATION FIRE RESISTANCE RATINGS: EXITS: OCCUPANT LOAD: OCCUPANT LOAD OLEVEL 01:	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS EXITS - CORRIDORS LOBBY SEPARATION TO OTHER MAX. TRAVEL DISTANCE: BASED ON: CCUPANCY: LOA	ROC MEZ IGS IRS OF FLOO ROC MEZ REQ N/A N/A N/A N/A N/A N/A N/A N/	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A PUIRED RATING: DESIGN OF BUILT PERSONS: 4 2: 4 PEOPLE	DING		9.9.1.3.
21	REQUIRED SEPERATION FIRE RESISTANCE RATINGS: EXITS: OCCUPANT LOAD: OCCUPANT LOAD LEVEL 01: A	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS EXITS - CORRIDORS LOBBY SEPARATION TO OTHER MAX. TRAVEL DISTANCE: BASED ON: Sq.m. CCUPANCY: LOA	ROC MEZ IGS IRS OF FLOO ROC MEZ REQ N/A N/A N/A N/A N/A N/A N/A N/	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A PUIRED RATING: DESIGN OF BUILT PERSONS: 4 2: 4 PEOPLE G IN THE STAFF RO	DING		9.9.1.3.
21	REQUIRED SEPERATION FIRE RESISTANCE RATINGS: EXITS: OCCUPANT LOAD: OCCUPANT LOAD LEVEL 01: A: OTHER:	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS EXITS - CORRIDORS LOBBY SEPARATION TO OTHER MAX. TRAVEL DISTANCE: BASED ON: Sq.m. CCUPANCY: LOA	ROC MEZ IGS IGS IGS IGS IGS IGS IGS IG	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A PUIRED RATING: DESIGN OF BUILT PERSONS: 4 2: 4 PEOPLE G IN THE STAFF RO	DING		9.9.1.3.
21 22	REQUIRED SEPERATION FIRE RESISTANCE RATINGS: EXITS: OCCUPANT LOAD: OCCUPANT LOAD LEVEL 01: A: OTHER: REQUIREMENT OF	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS EXITS - CORRIDORS LOBBY SEPARATION TO OTHER MAX. TRAVEL DISTANCE: BASED ON: CCUPANCY: LOA TOTAL OF T	ROC MEZ IGS IGS IRS OF FLOO ROC MEZ REQ N/A N/A N/A N/A N/A N/A N/A N/	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A PUIRED RATING: DESIGN OF BUILD PERSONS: 4 D: 4 PEOPLE G IN THE STAFF ROPUBLIC AREA NOT REQUIRED	DING		9.10.21.9
21 22	REQUIRED SEPERATION FIRE RESISTANCE RATINGS: EXITS: OCCUPANT LOAD: OCCUPANT LOAD LEVEL 01: A: OTHER: REQUIREMENT OF	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS EXITS - CORRIDORS LOBBY SEPARATION TO OTHER MAX. TRAVEL DISTANCE: BASED ON: CCUPANCY: LOA TOTAL OF T	ROC MEZ IGS IGS IRS OF FLOO ROC MEZ REQ N/A N/A N/A N/A N/A N/A N/A N/	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A PUIRED RATING: DESIGN OF BUILD PERSONS: 4 2 4 PEOPLE G IN THE STAFF ROPUBLIC AREA	DING		
21 22	REQUIRED SEPERATION FIRE RESISTANCE RATINGS: EXITS: OCCUPANT LOAD: OCCUPANT LOAD LEVEL 01: A: OTHER: REQUIREMENT OF BUILDING Plumbing fixture	ROOF: N/A MEZZANINE: N/A FIRE RESISTANCE RATIN OF SUPPORTING MEMBE (F.R.R.) FLOOR: N/A ROOF: 0 MIN MEZZANINE: 0 MIN SPACE NAME: SUITES PUBLIC CORRIDORS JANITOR ROOMS SERVICE ROOMS VERTICAL SERVICE SPACES ELEVATOR - HOISTWAY ELEVATOR - MACHINE ROOM EXITS - STAIR TOWERS EXITS - CORRIDORS LOBBY SEPARATION TO OTHER MAX. TRAVEL DISTANCE: BASED ON: CCUPANCY: LOA TOTAL OF T	ROC MEZ IGS IGS IRS OF FLOO ROC MEZ REQ N/A N/A N/A N/A N/A N/A N/A N/	ZANINE: N/A LISTED DESIGN R ASSEMBLY DESC OR: N/A DF: N/A ZANINE: N/A PUIRED RATING: DESIGN OF BUILD PERSONS: 4 D: 4 PEOPLE G IN THE STAFF ROPUBLIC AREA NOT REQUIRED	DING		9.10.21.9



LETT ARCHITECTS INC. 138 Simcoe St. Peterborough ON K9H 2H5 t. 705 743 3311 f. 705 743 0056 studio@lett.ca lett.ca

Consultant:

All dimensions to be checked and verified on site.
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Project :	
City of Peterborough	
,	

BEAVERMEAD CAMPGROUND GATEHOUSE

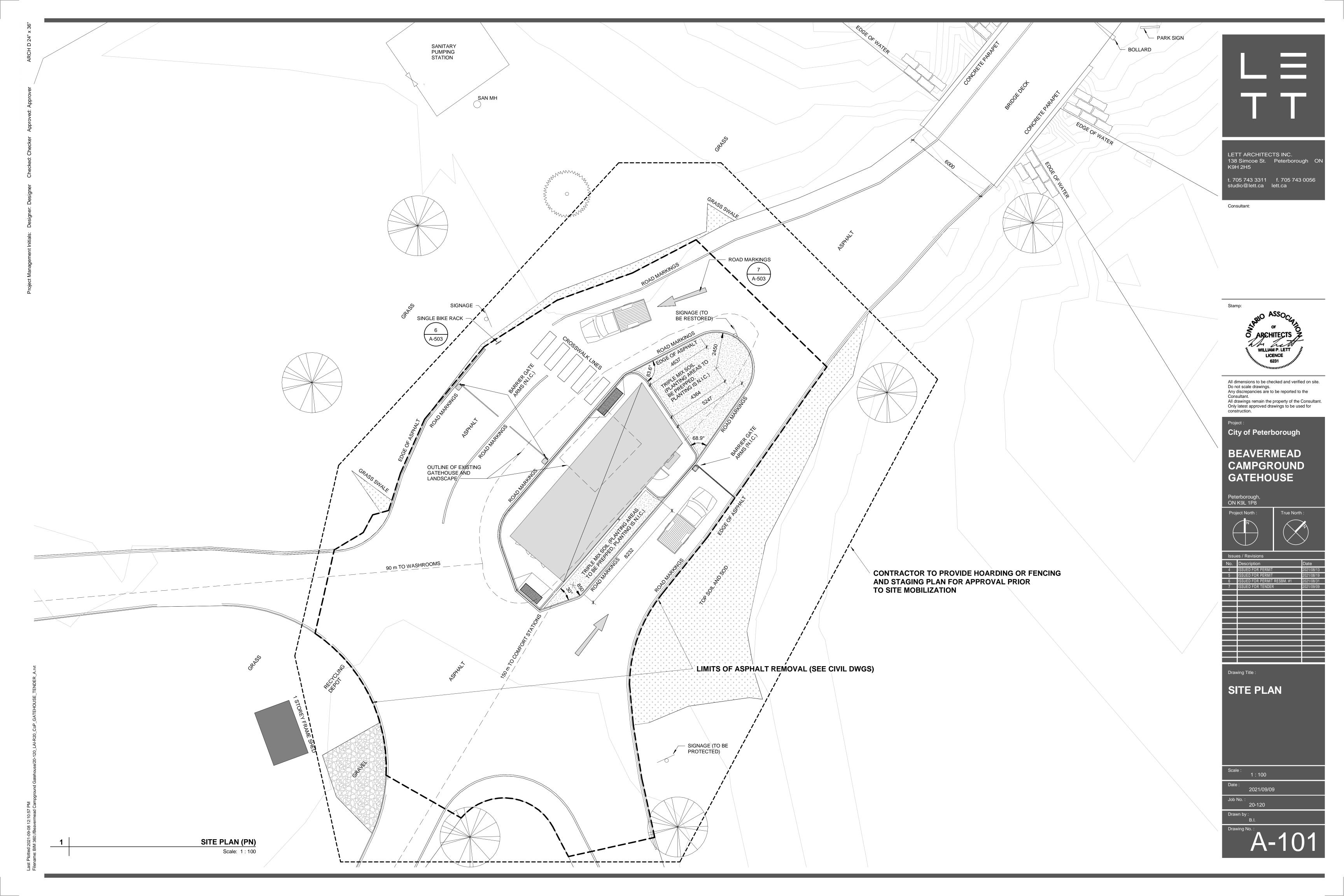
Peterborough, ON K9L 1P8

Project North:

Issu	Issues / Revisions				
No.	Description	Date			
4	ISSUED FOR PERMIT	2021/08/13			
5	ISSUED FOR PERMIT	2021/08/19			
6	ISSUED FOR PERMIT RESBM. #1	2021/08/31			
7	ISSUED FOR TENDER	2021/09/09			

True North:

BUILDING INFORMATION & GENERAL NOTES





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City of Peterborough

BEAVERMEAD CAMPGROUND GATEHOUSE

Issue	es / Revisions	
Vo.	Description	Date
4	ISSUED FOR PERMIT	2021/08/13
5	ISSUED FOR PERMIT	2021/08/19
6	ISSUED FOR PERMIT RESBM. #1	2021/08/31
7	ISSUED FOR TENDER	2021/09/09

True North:

DEMOLITION PLAN

1:100

2021/09/09

GROUND FLOOR PLAN

Scale: 1:25



Consultant:

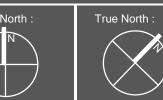
OF ARCHITECTS WILLIAM P. LETT

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City of Peterborough

BEAVERMEAD CAMPGROUND GATEHOUSE

Peterborough, ON K9L 1P8



Drawing Title ·

GROUND FLOOR PLAN

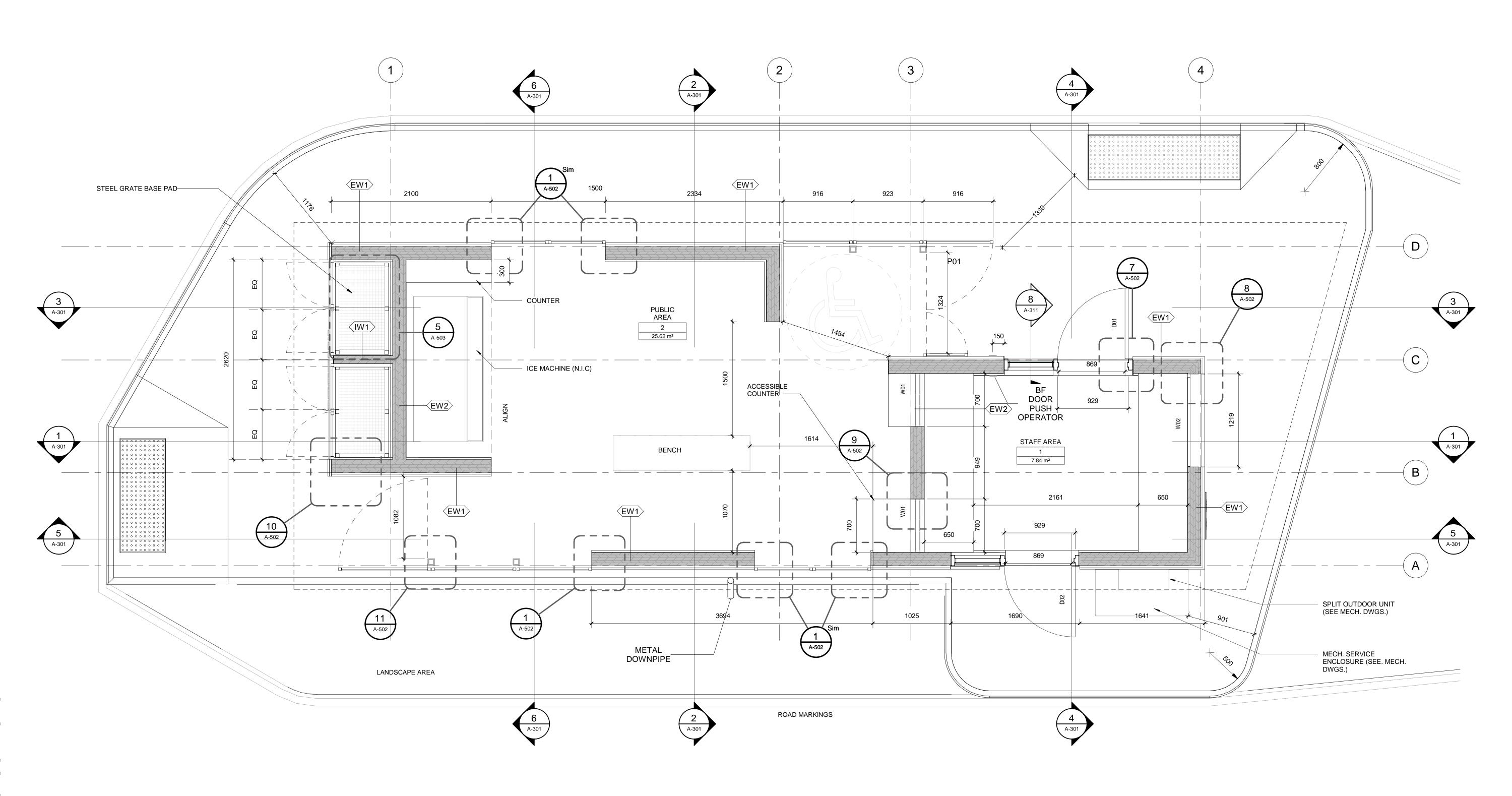
Scale : 1 : 25

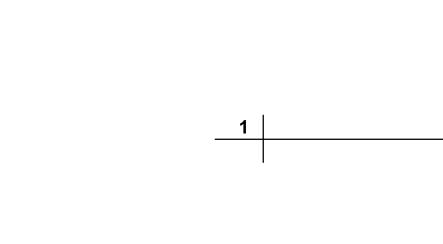
Date :

2021/09/09 Job No. : 20-120

Drawn by :

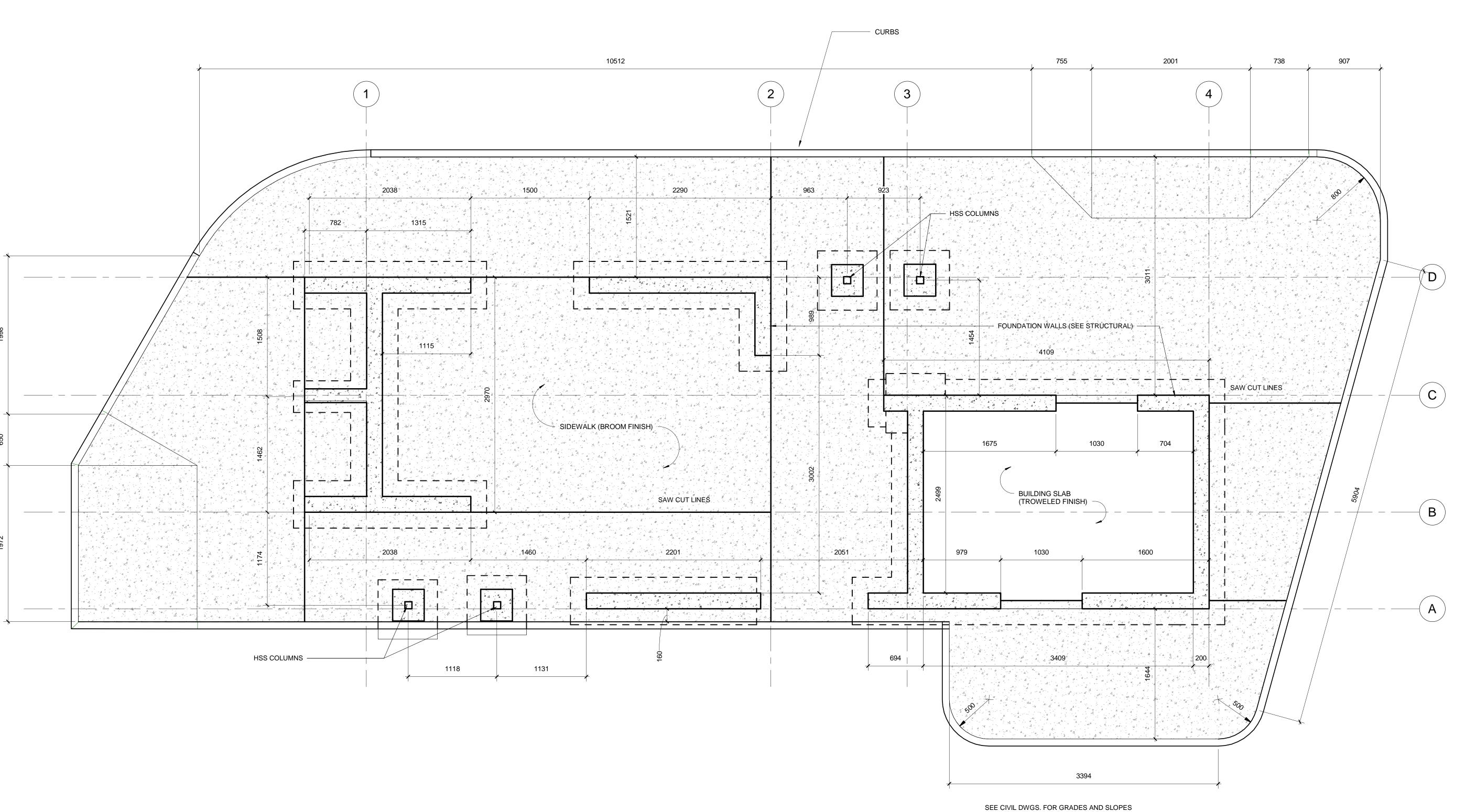
A-111





FOUNDATION PLAN

Scale: 1:25





LETT ARCHITECTS INC.

138 Simcoe St. Peterborough ON K9H 2H5

t. 705 743 3311 f. 705 743 0056 studio@lett.ca lett.ca

Consultant:

Stamp:



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City of Peterborough

BEAVERMEAD
CAMPGROUND
GATEHOUSE

Peterborough, ON K9L 1P8

Project North :

Issu	es / Revisions	
No.	Description	Date
4	ISSUED FOR PERMIT	2021/08/13
5	ISSUED FOR PERMIT	2021/08/19
6	ISSUED FOR PERMIT RESBM. #1	2021/08/31
7	ISSUED FOR TENDER	2021/09/09

True North:

Drawing Title :

FOUNDATION AND SIDEWALK PLAN

Date: 2021/09/09

Job No.:

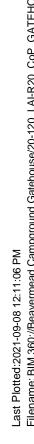
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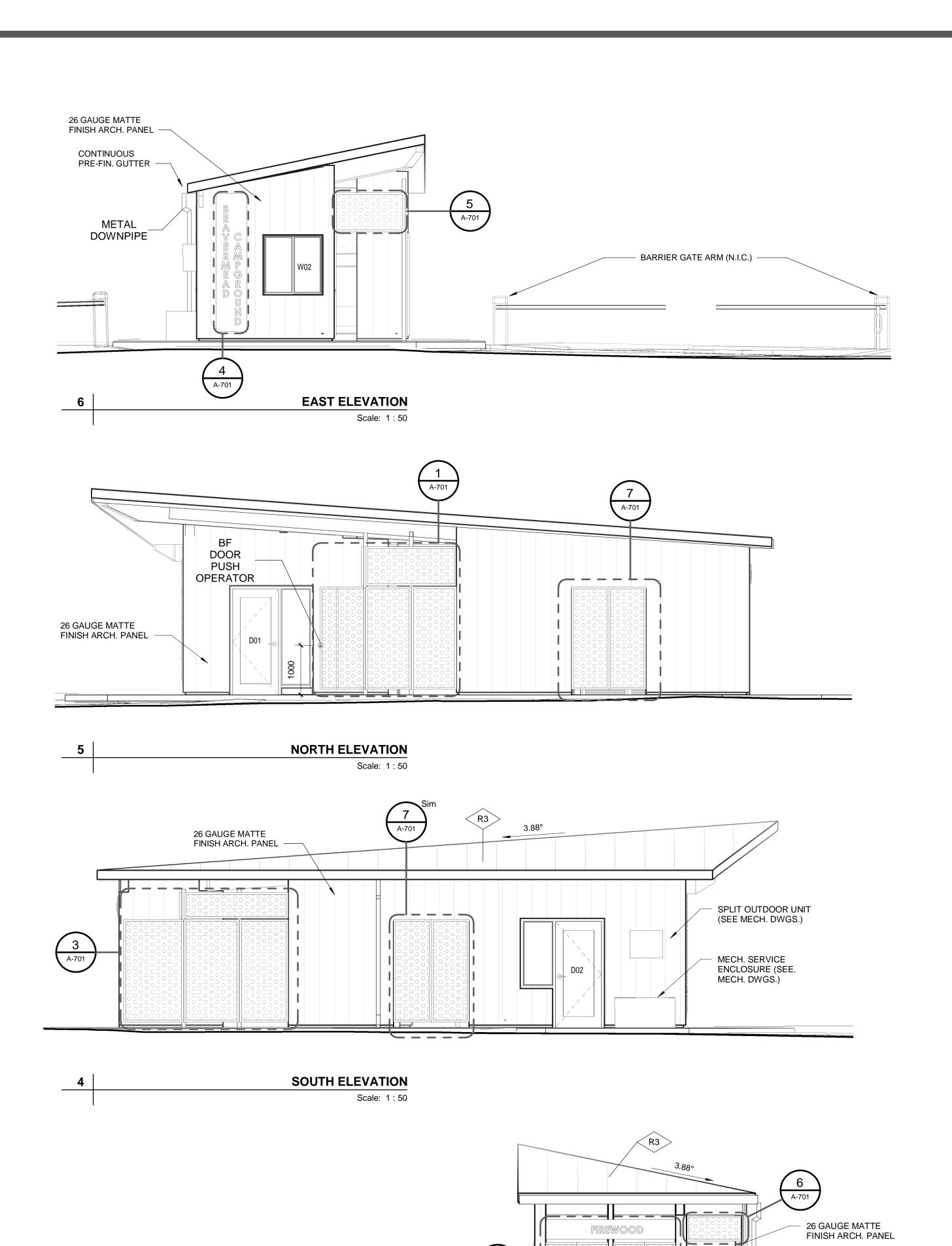
ving No. : A-117

BARRIER GATE ARM (N.I.C.)

WEST ELEVATION

Scale: 1:50



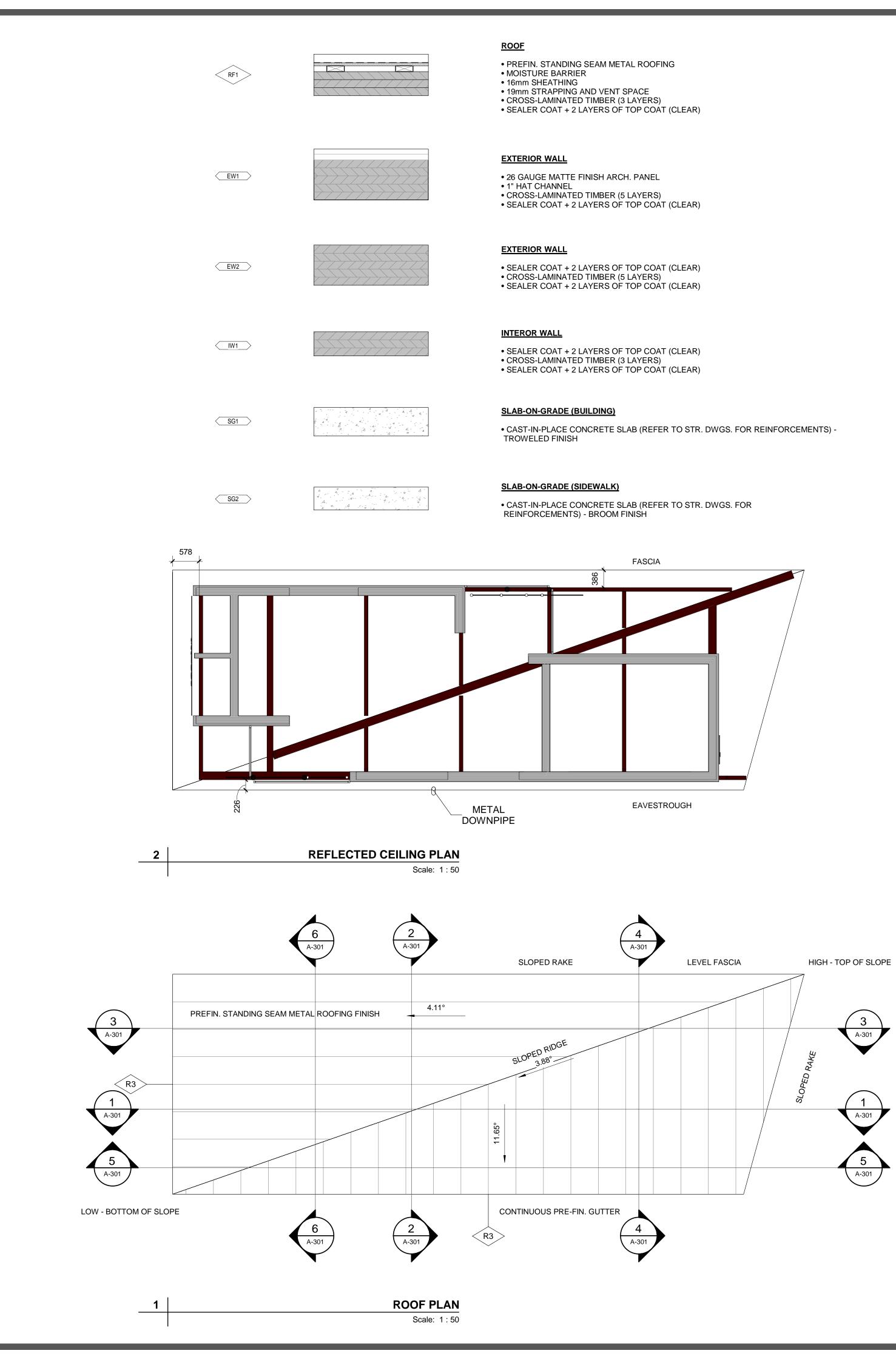


SPLIT OUTDOOR UNIT (SEE MECH. DWGS.)

MECH. SERVICE

METAL DOWNPIPE

ENCLOSURE (SEE. MECH. DWGS.)





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Consultant:



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City of Peterborough

BEAVERMEAD CAMPGROUND GATEHOUSE

Peterborough, ON K9L 1P8

Project North:

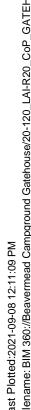
Issues / Revisions

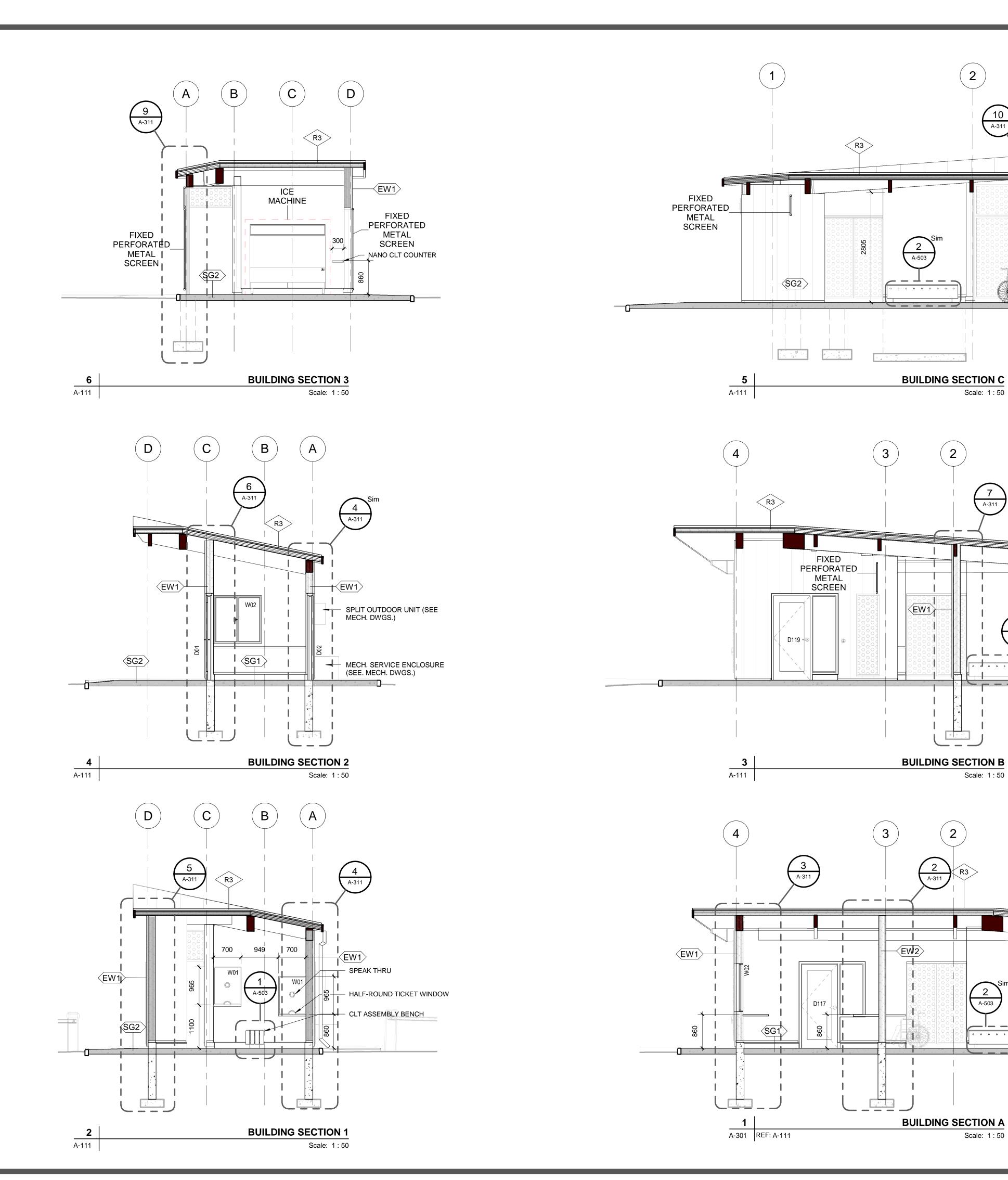
True North:

ROOF & CEILING PLANS AND

2021/09/09

ELEVATIONS







A-311

Scale: 1:50

A-503

Scale: 1:50

Scale: 1:50

EW2

DOOR PUSH

<u>OPERAT</u>OR

MACHINE

EW2

OPERABLE

PERFORATED

METAL

SCREEN

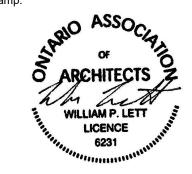
OPERABLE _PERFORATED METAL SCREEN

EW1

STEEL BASE CABINET

STEEL DROP CASE

Consultant:



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City of Peterborough BEAVERMEAD CAMPGROUND GATEHOUSE

Peterborough, ON K9L 1P8

Project North:

True North:

BUILDING SECTIONS

2021/09/09 20-120

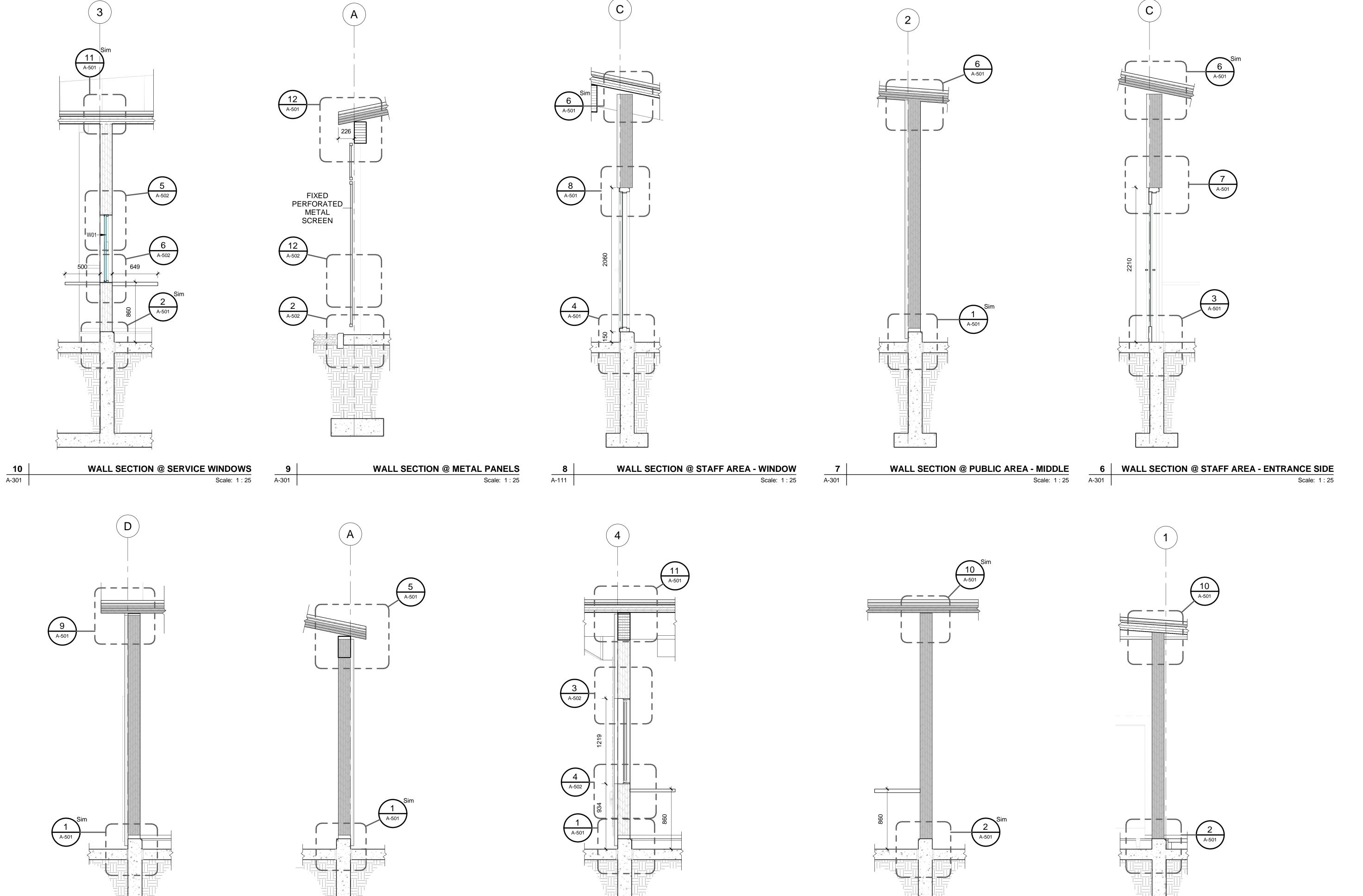


5 WALL SECTION @ PUBLIC AREA - ENTRANCE SIDE
A-301 Scale: 1:25 A-301

WALL SECTION @ PUBLIC AREA - EXIT SIDE

Scale: 1:25

3 A-301



WALL SECTION @ STAFF AREA - NORTH

Scale: 1:25

LETT ARCHITECTS INC.
138 Simcoe St. Peterborough ON
K9H 2H5
t. 705 743 3311 f. 705 743 0056
studio@lett.ca lett.ca

Consultant:

O ARCHITECTS Z
WILLIAM P. LETT

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City of Peterborough

BEAVERMEAD
CAMPGROUND
GATEHOUSE

Peterborough, ON K9L 1P8

True North:

WALL SECTIONS

Scale:
1:25

Date:
2021/09/09

Job No.:
20-120

Drawn by : B.I.

WALL SECTION @ PUCLIC AREA - SOUTH

Scale: 1:25

WALL SECTION @ SERVICE COUNTER
Scale: 1:25
A-301

Drawing No. : A - 3 1 1

PREFIN. STANDING SEAM

PLYWOOD-

STEEL ANGLE CONNECTION

DWGS.)

SECTION DETAIL - GLULAM & HSS COLUMN

CONNECTION @ GUTTER

Scale: 1:5

SEALER COAT + 2

CONNECTION

Scale: 1:5

LYRS OF TOP COAT

HSS COLUMN (SEE STR.

GLULAM BEAM-

FURRING CHANNEL-

A-311

METAL SIDING-

METAL SIDING-

CLT PANELS (5 LYRS.)-

FURRING CHANNEL-

TERMINATION STRIP -

HM FRAME-

H.M. DOOR PANEL-

MOISTURE BARRIER

FURRING STRIP (1"x3")—

ALUMINUM GUTTER-

GLULAM BEAM-

STR. DWGS.)

ALUMINUM FRAME-

METAL SIDING-

FURRING CHANNEL

TERMINATION STRIP

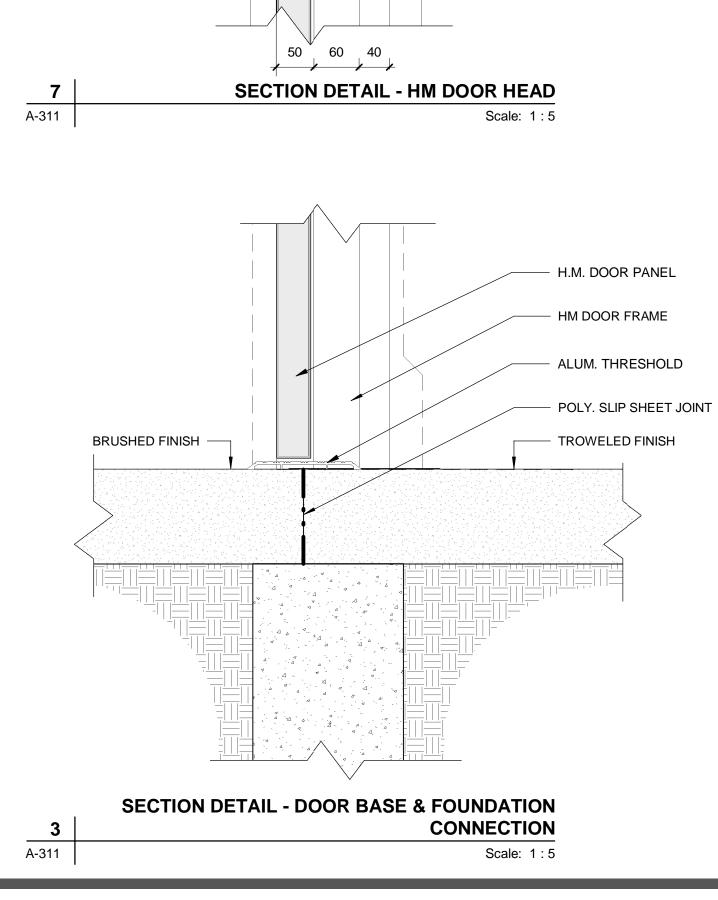
HM FRAME—

METAL ROOF

DRIP EDGE

4 A-311

+ + + +



PREFIN. STANDING SEAM

SEALER COAT + 2

Scale: 1:5

SEALER COAT + 2

LYRS OF TOP COAT

LYRS OF TOP COAT

METAL ROOF

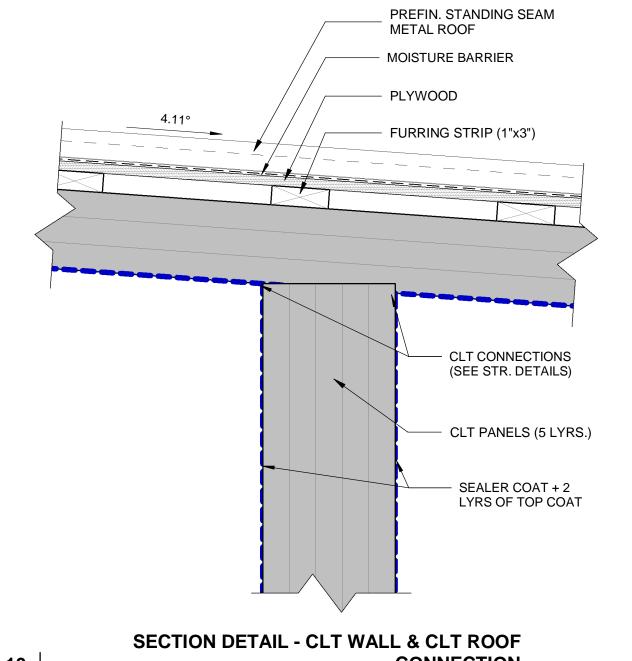
- PLYWOOD

SECTION DETAIL - CLT WALL & GLULAM

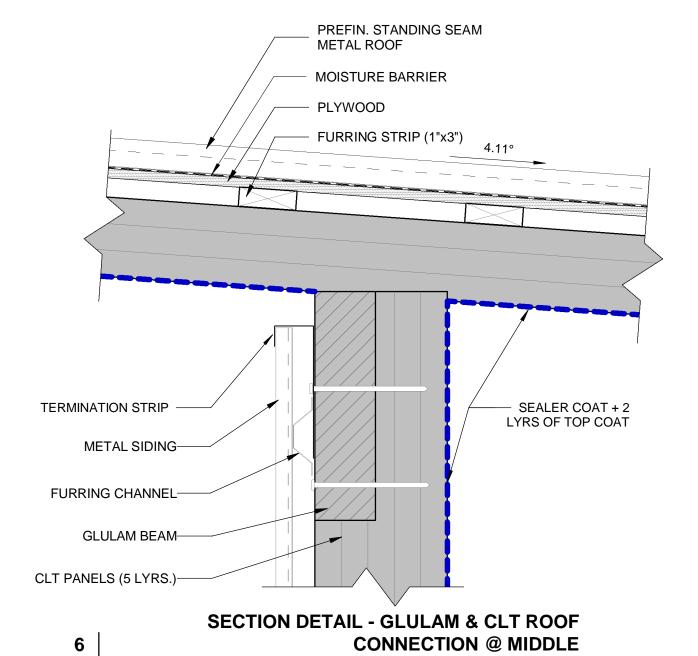
CONNECTION @ MIDDLE

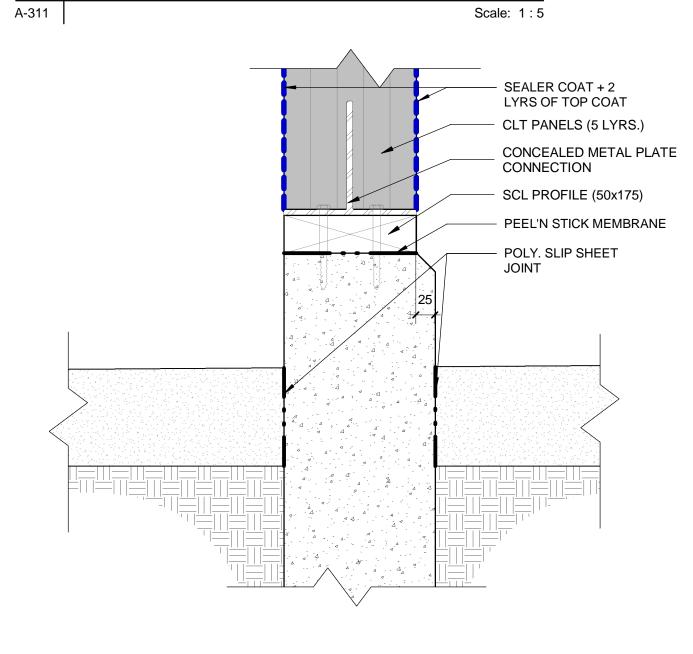
MOISTURE BARRIER

FURRING STRIPS



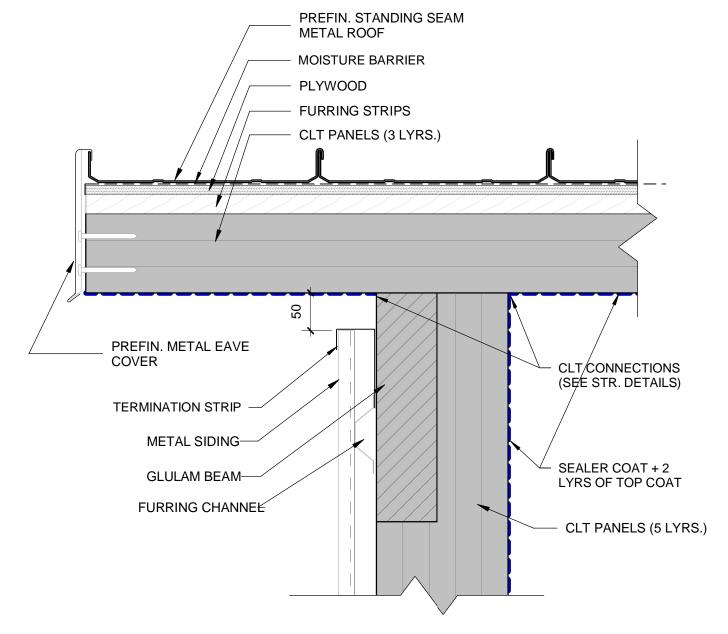






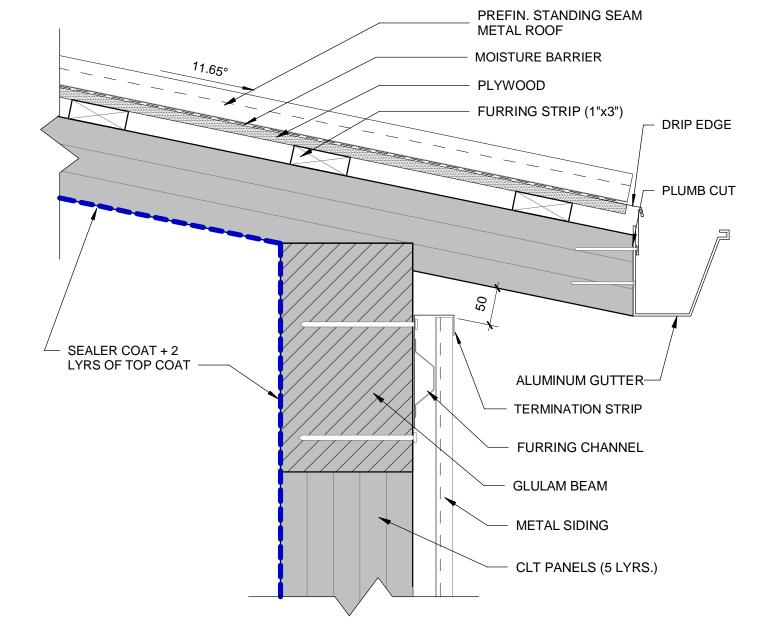
Scale: 1:5



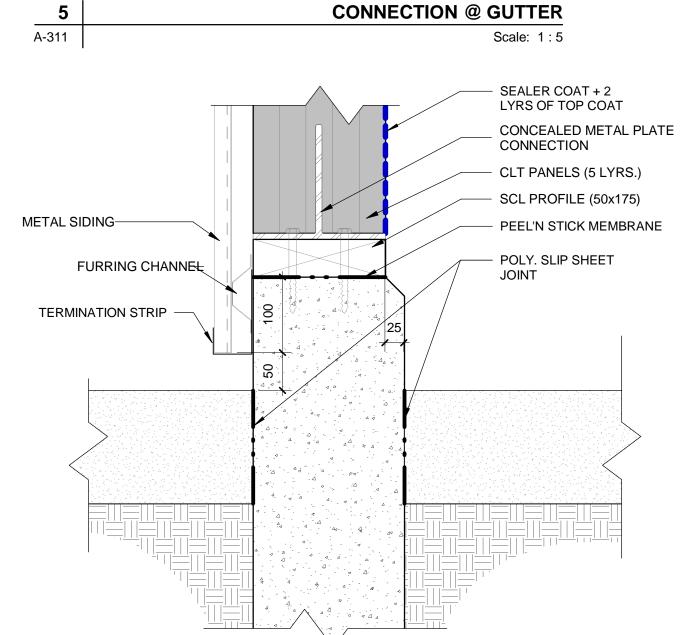




A-311

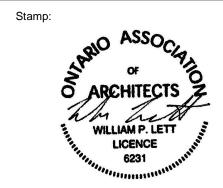


SECTION DETAIL - GLULAM & CLT ROOF









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Peterborough, ON K9L 1P8

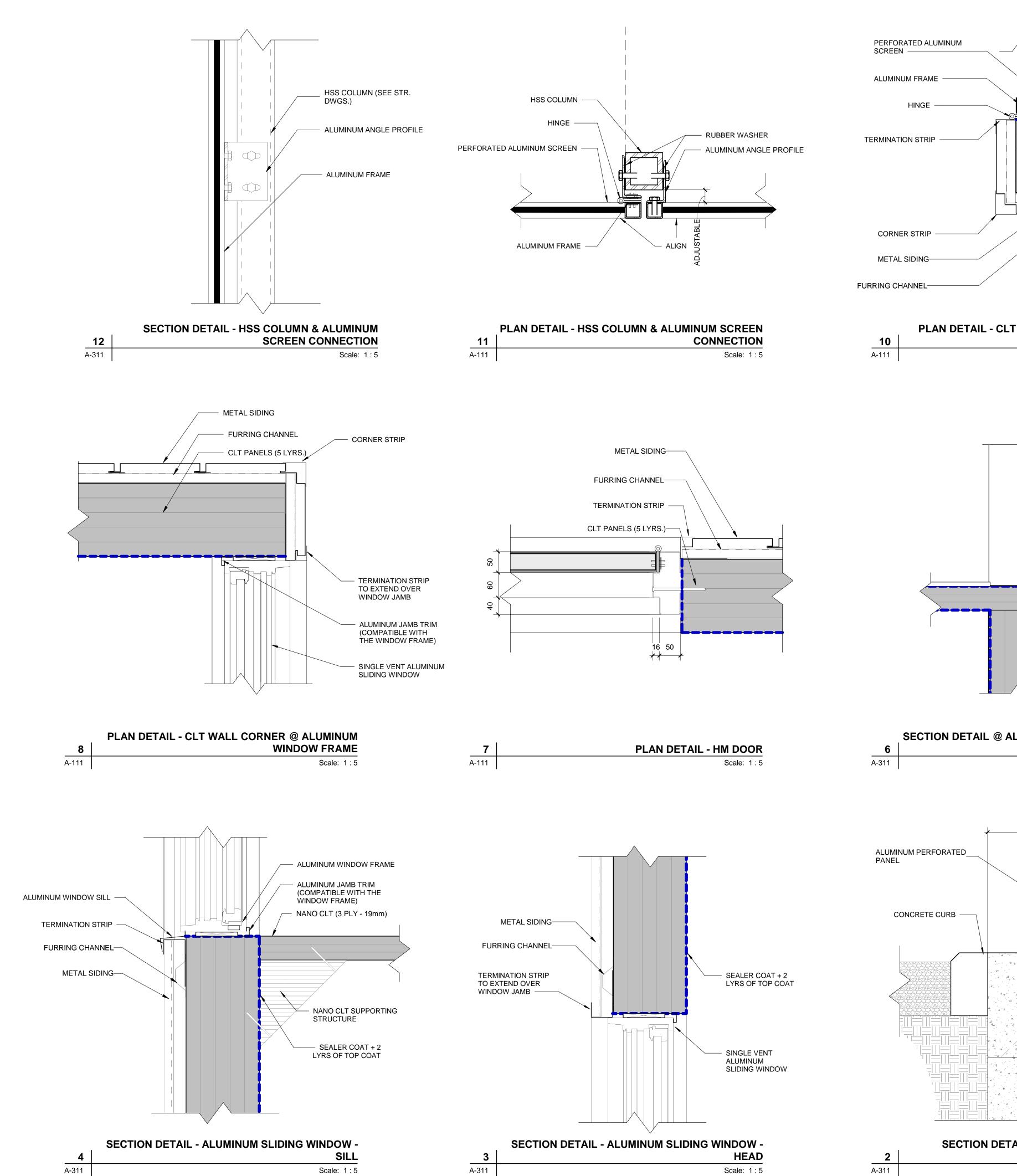
Project North :		True North :	
Issue	es / Revisions		
No.	Description		Date
4	ISSUED FOR PERMIT		2021/08/13
5	ISSUED FOR PERMIT		2021/08/19

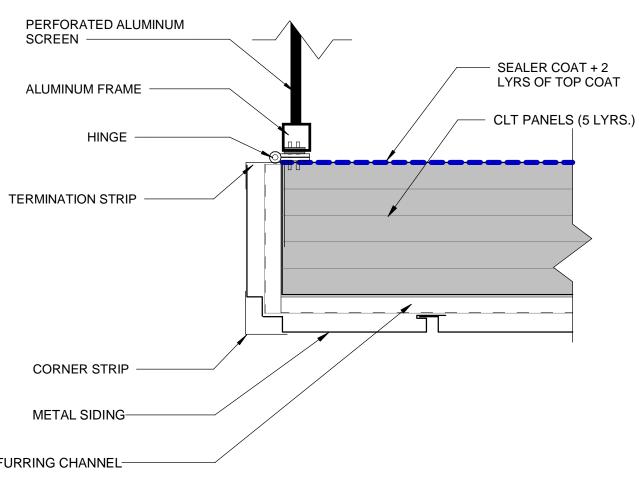
•		
5	ISSUED FOR PERMIT	2021/08/19
6	ISSUED FOR PERMIT RESBM. #1	2021/08/31
7	ISSUED FOR TENDER	2021/09/09

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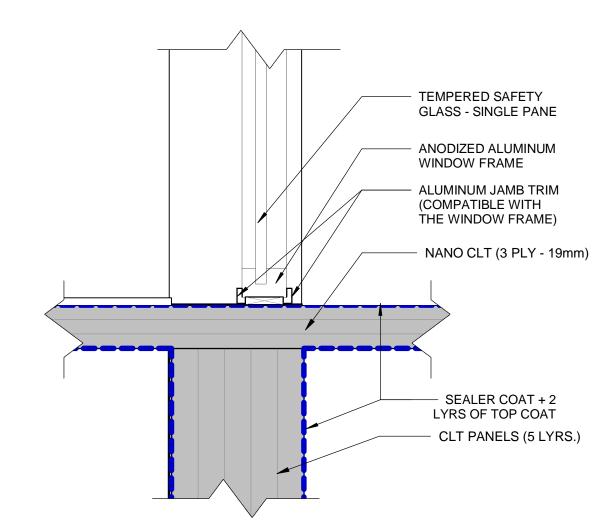
DETAILS

2021/09/09 20-120

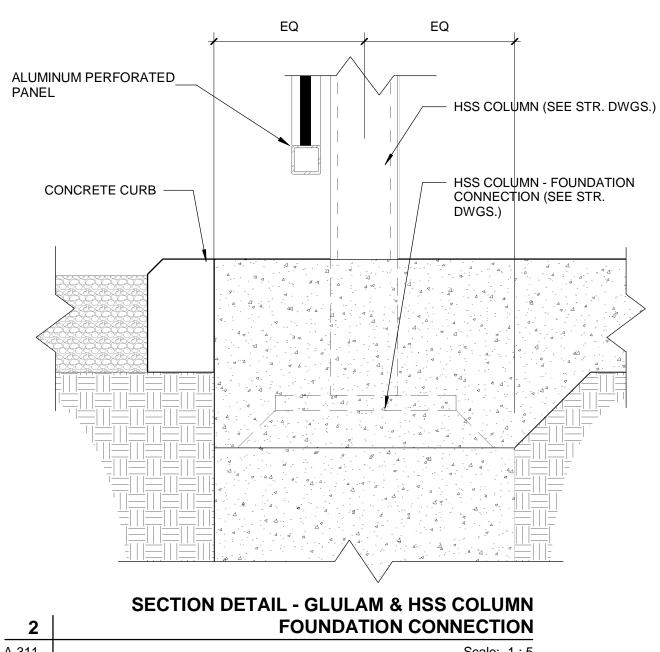


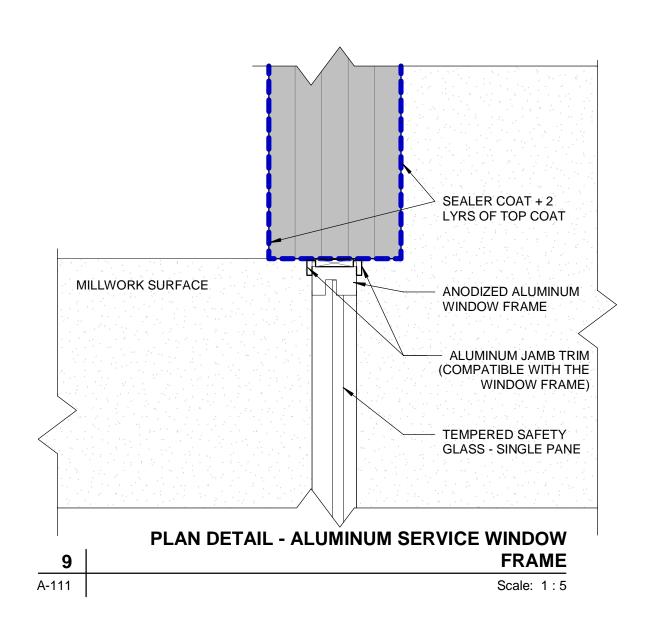


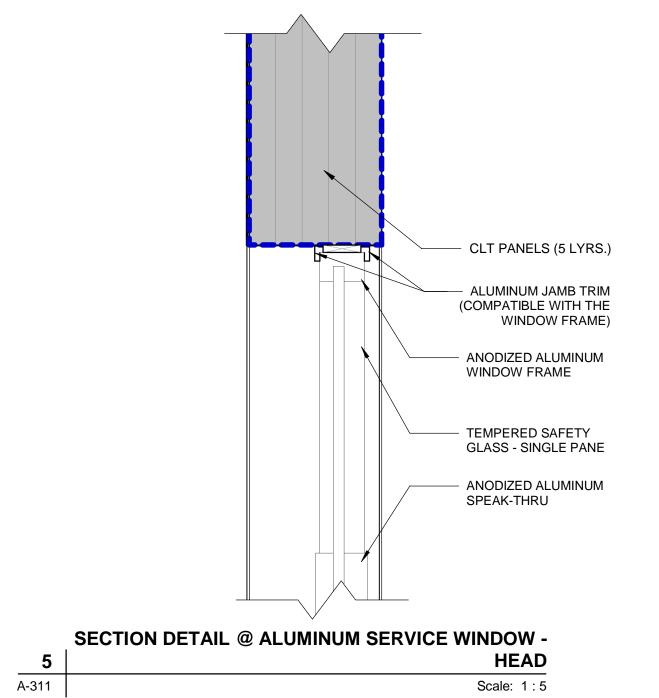


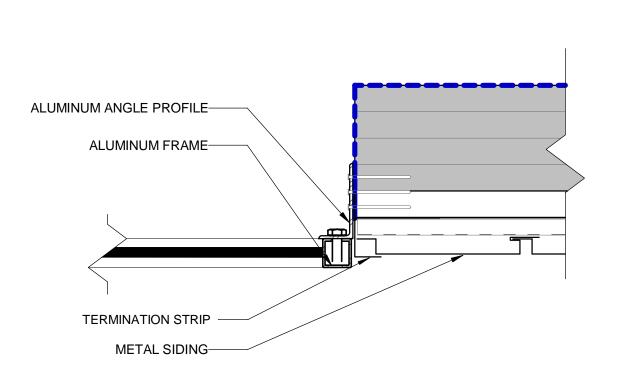


SECTION DETAIL @ ALUMINUM SERVICE WINDOW -SILL Scale: 1:5







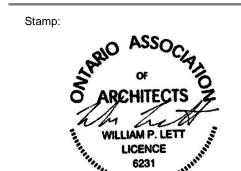


PLAN DETAIL - CLT WALL & ALUMINUM SCREEN **CONNECTION @ GUTTER** A-111 Scale: 1:5



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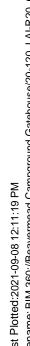
Peterborough, ON K9L 1P8 Project North: True North:

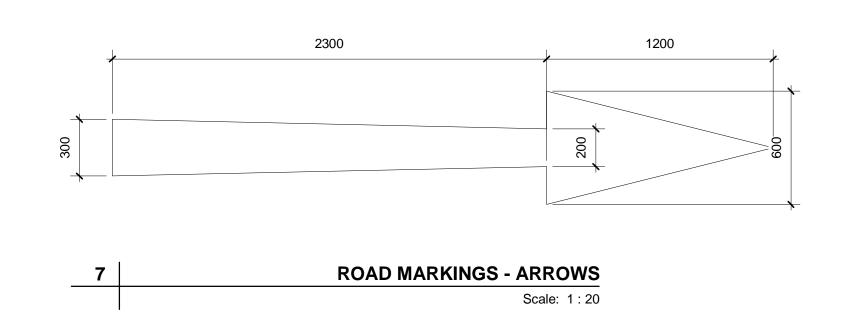
Issues / Revisions

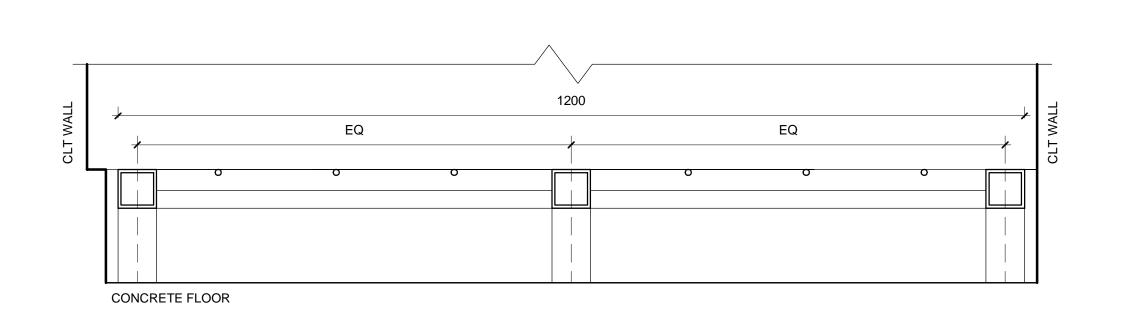
Drawing Title:

DETAILS

2021/09/09 20-120









CONCRETE FLOOR

GALVANIZED STEEL GRATE (MAX MESH SIZE = 50 x 50 mm)

GALVANIZED SQUARE TUBE FRAMING - ALL JOINTS WELDED

Scale: 1:5

SECTION DETAIL - STEEL GRATE 2

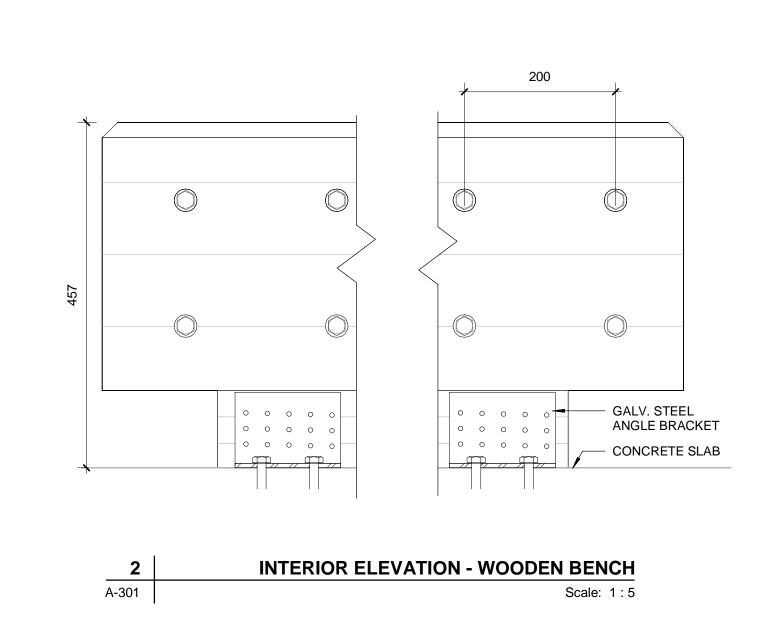
PLAN DETAIL - STEEL GRATE

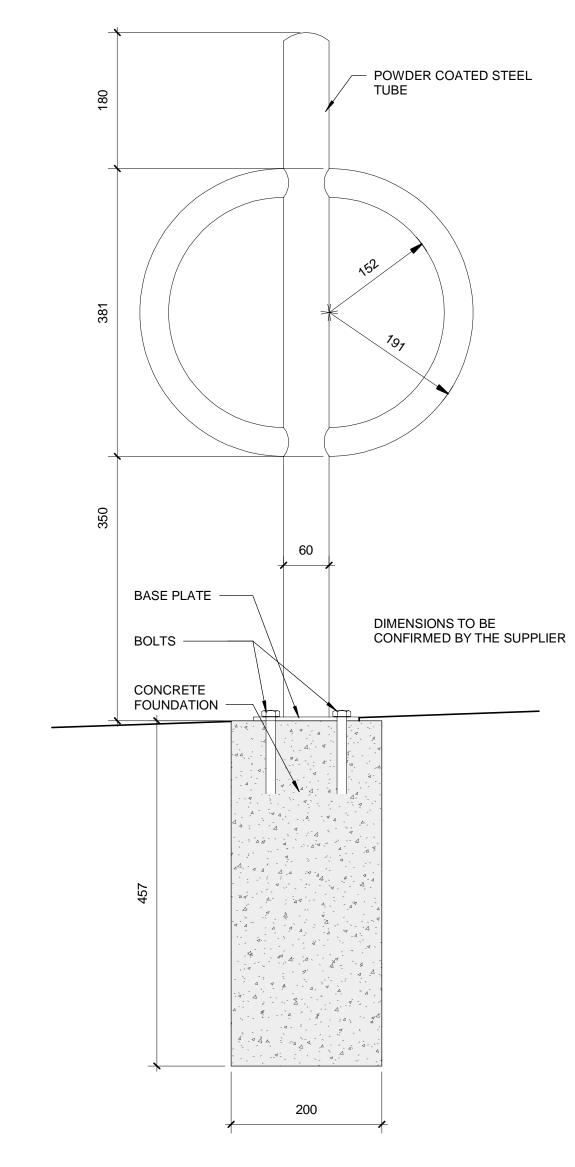
Scale: 1:10

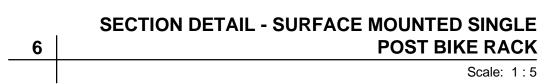
3 A-503

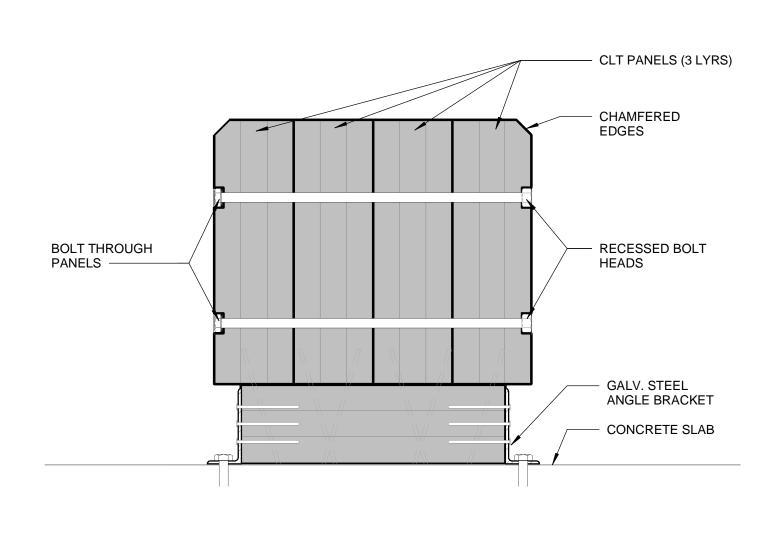
A-503

5 A-111









SECTION DETAIL - WOODEN BENCH

Scale: 1:5

1 A-301



LETT ARCHITECTS INC.

Consultant:

138 Simcoe St. Peterborough ON K9H 2H5

t. 705 743 3311 f. 705 743 0056 studio@lett.ca lett.ca

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Only latest approved drawings to be used for

Any discrepancies are to be reported to the Consultant.

City of Peterborough

BEAVERMEAD

CAMPGROUND GATEHOUSE

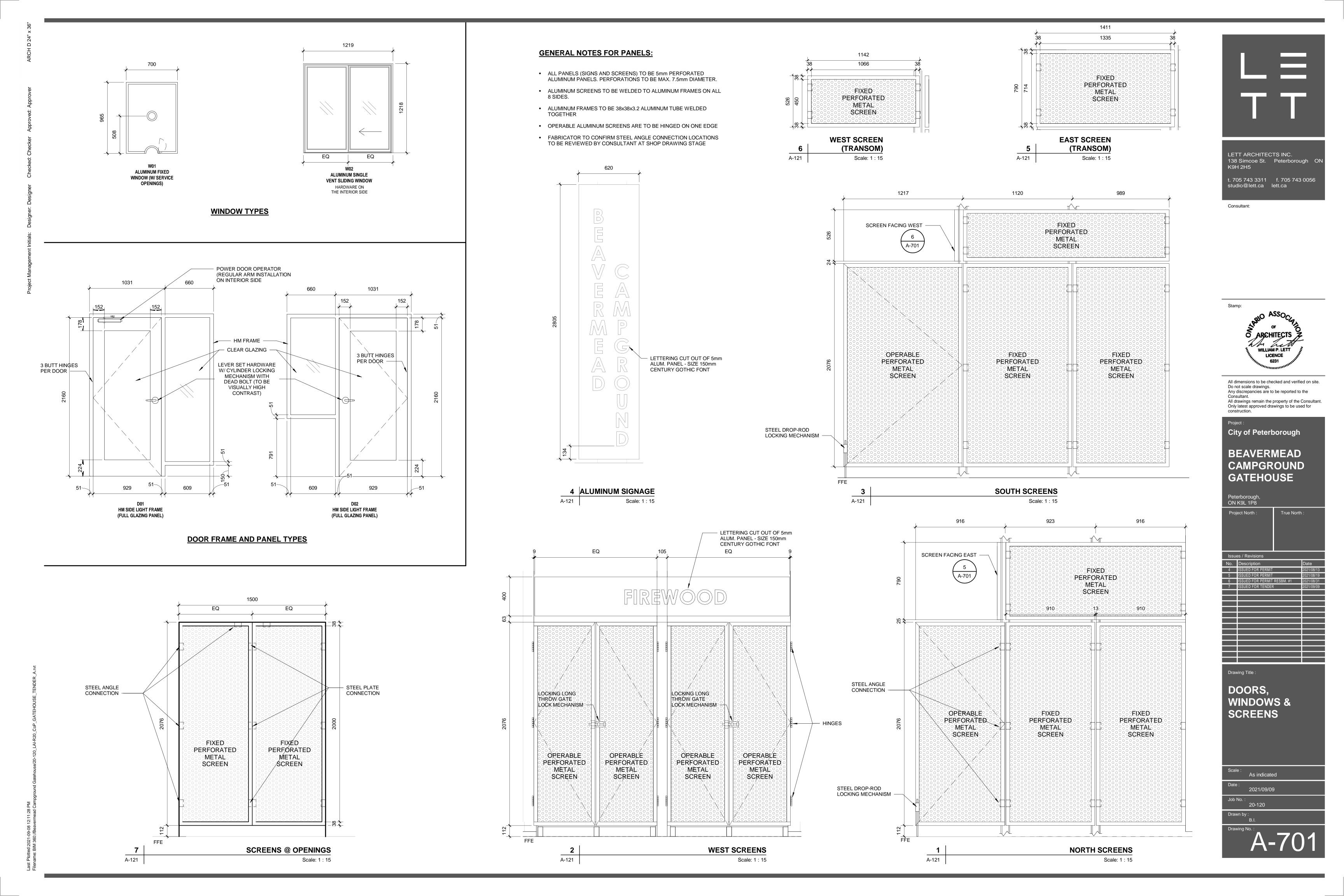
True North:

construction.

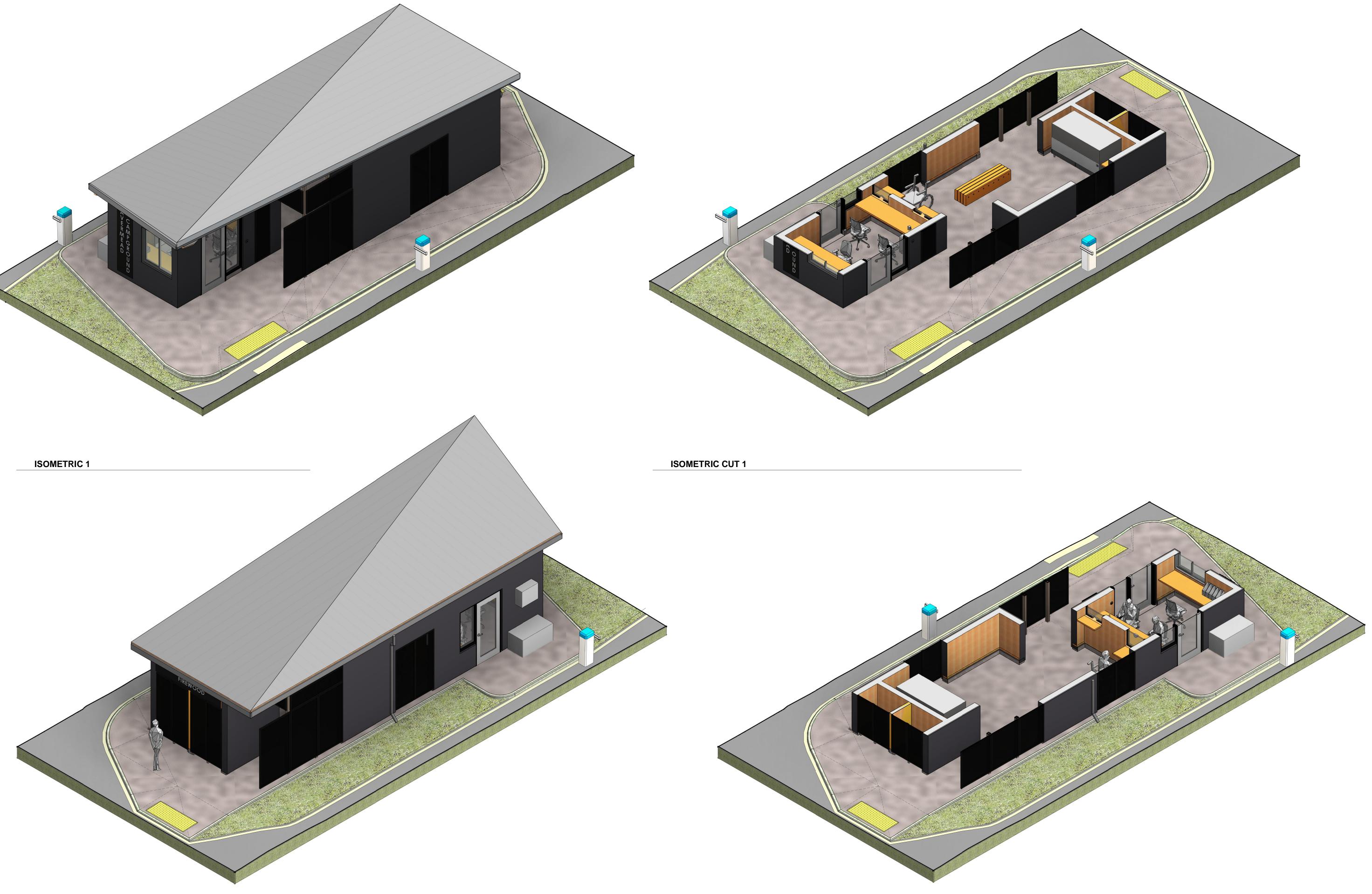
Peterborough, ON K9L 1P8

Project North:

Issues / Revisions



ISOMETRIC 2



ISOMETRIC CUT 2



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City of Peterborough

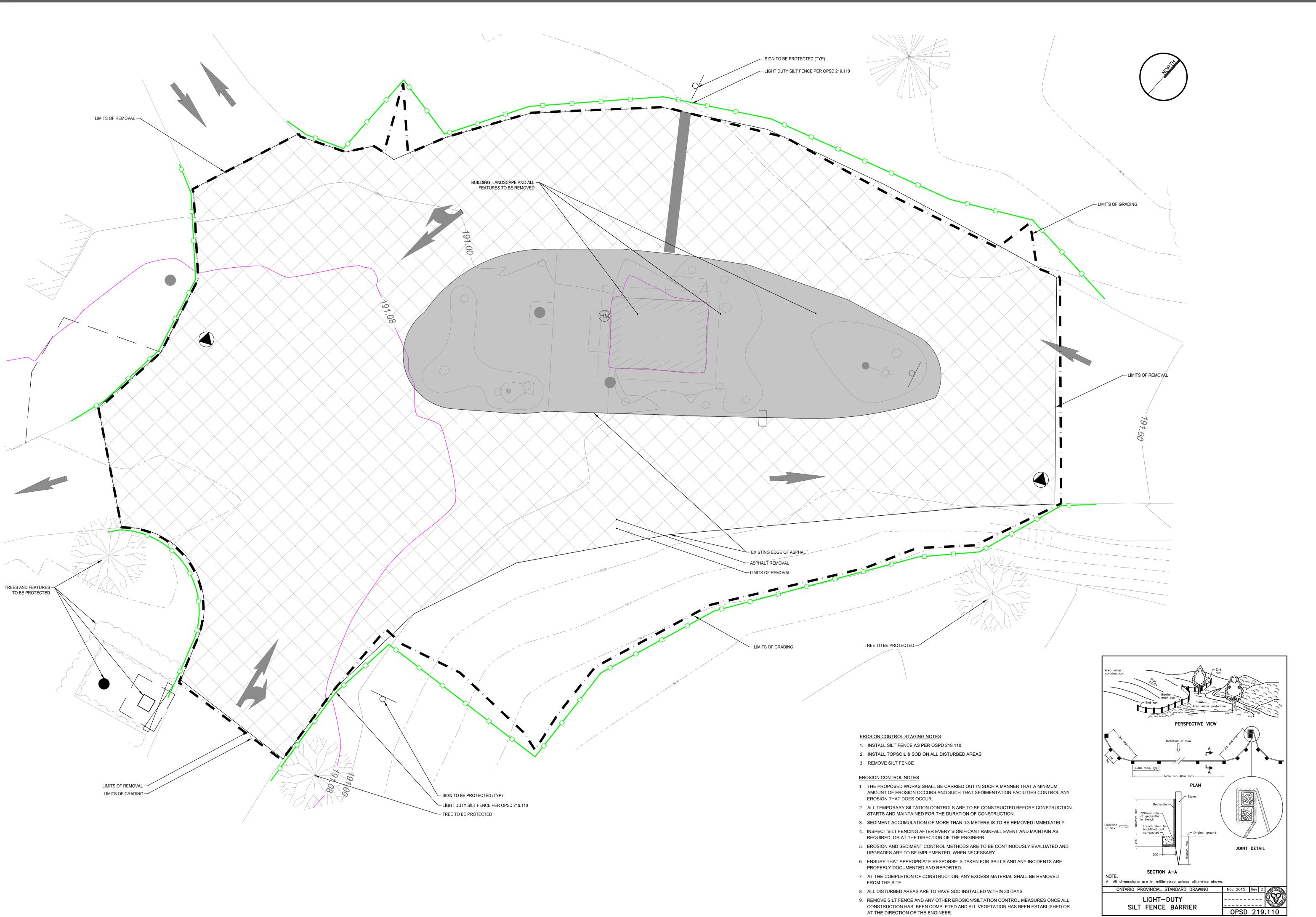
BEAVERMEAD CAMPGROUND GATEHOUSE

True North:

Peterborough, ON K9L 1P8

Issue	es / Revisions	
No.	Description	Date
4	ISSUED FOR PERMIT	2021/08/13
5	ISSUED FOR PERMIT	2021/08/19
6	ISSUED FOR PERMIT RESBM. #1	2021/08/31
7	ISSUED FOR TENDER	2021/09/09

ISOMETRIC DRAWINGS





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City of Peterborough

Beavermead Campground
Gate House

> ISSUED TO ORCA ISSUED FOR ORCA PERMIT 2021-07-

2011 Ashburnham Drive, Peterborough, ON

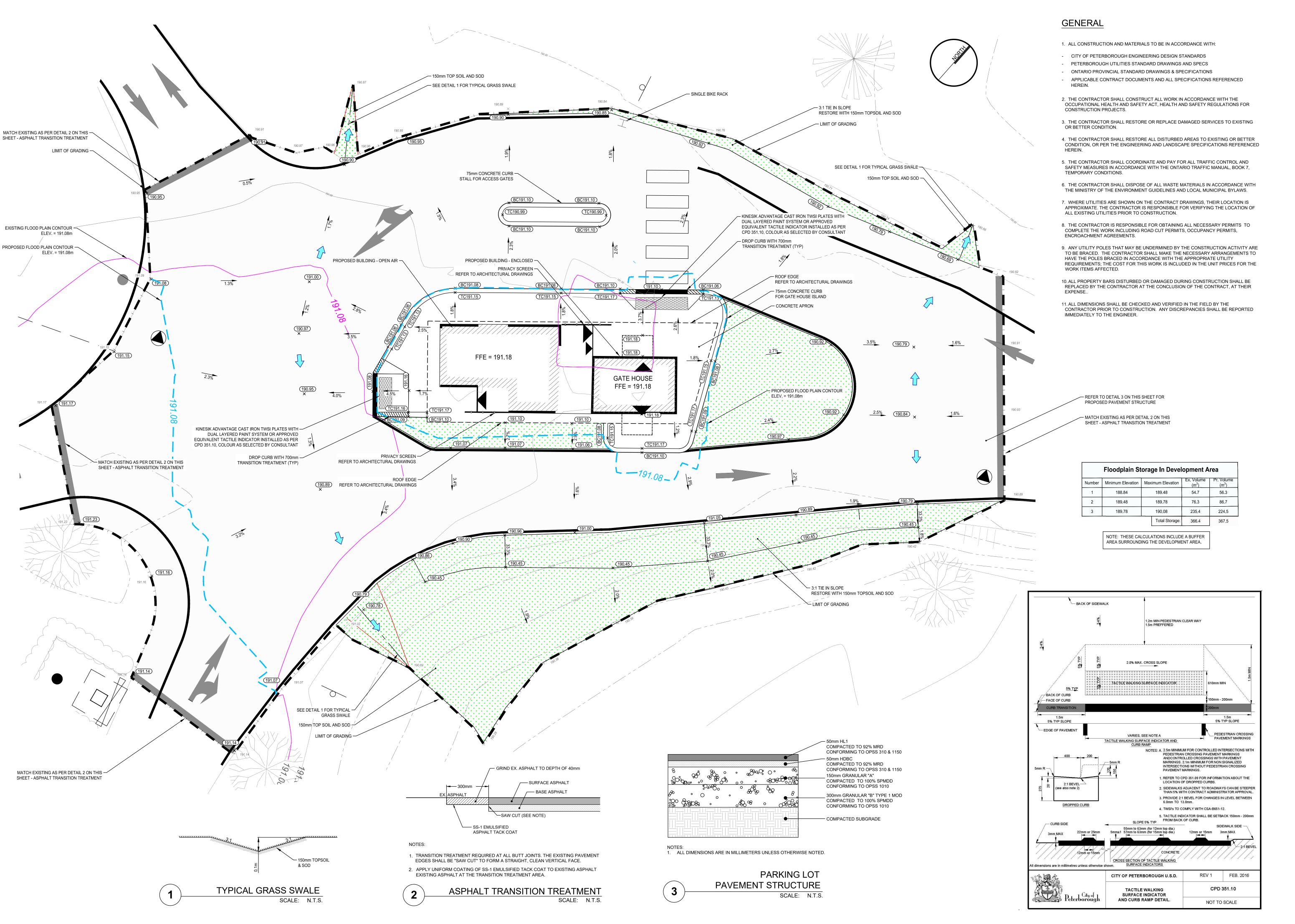
REMOVALS, EROSION & SEDIMENT CONTROL PLAN

1:75

May 26, 2021

21041

C-001





LETT ARCHITECTS INC.

138 Simcoe St. | Peterborough | ON K9H 2H5

t. 705 743 3311 | f. 705 743 0056 studio@lett.ca | lett.ca



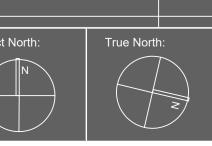


Project:
City of Peterborough

Beavermead Campground Gate House

2011 Ashburnham Drive, Peterborough, ON

ssues					
Ю.	Revisions	Date			
	Issued to ORCA	2021-06-24			
2	Issued for ORCA Permit	2021-07-29			
}	ISSUED FOR TENDER	2021-08-12			

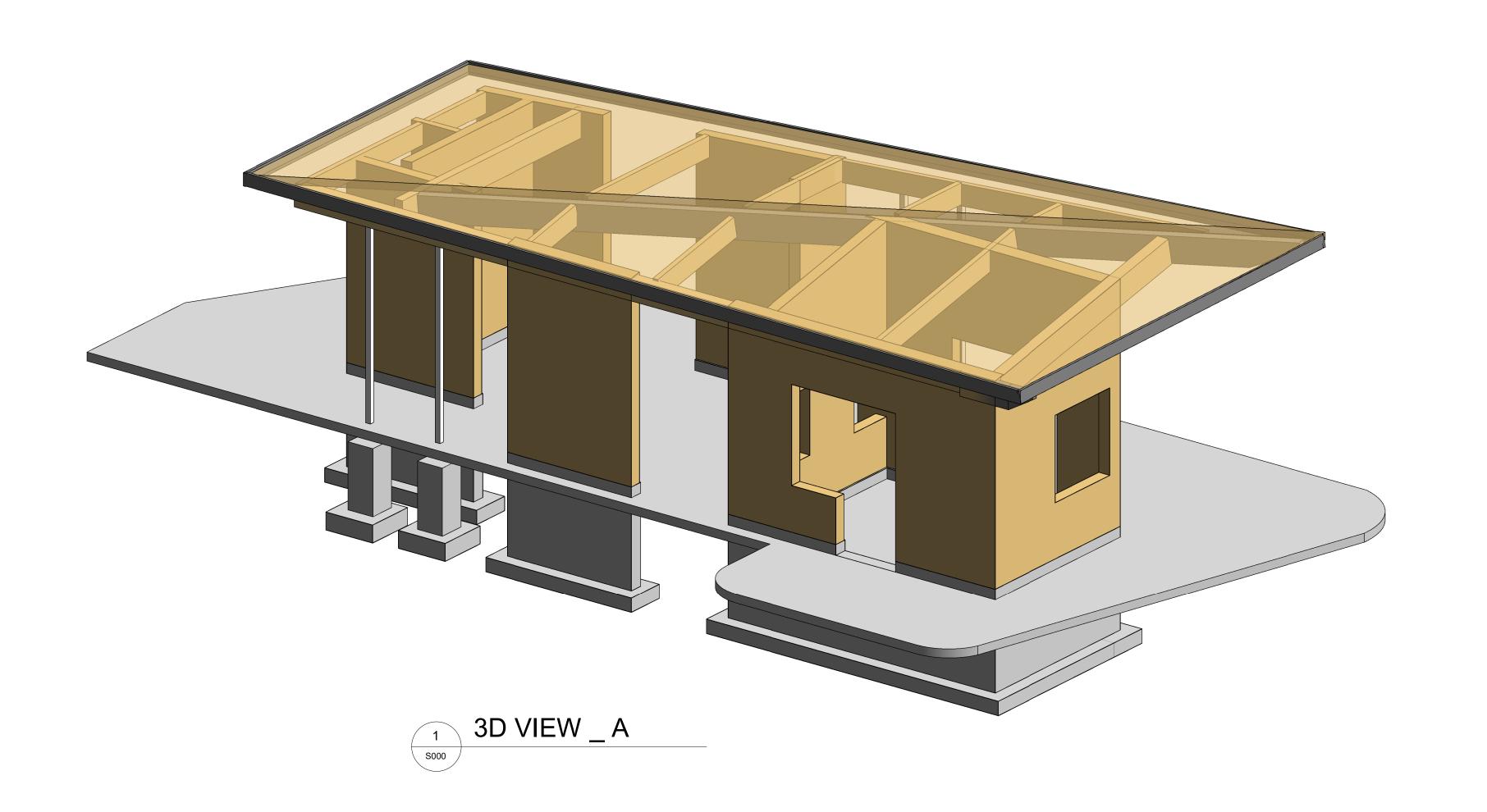


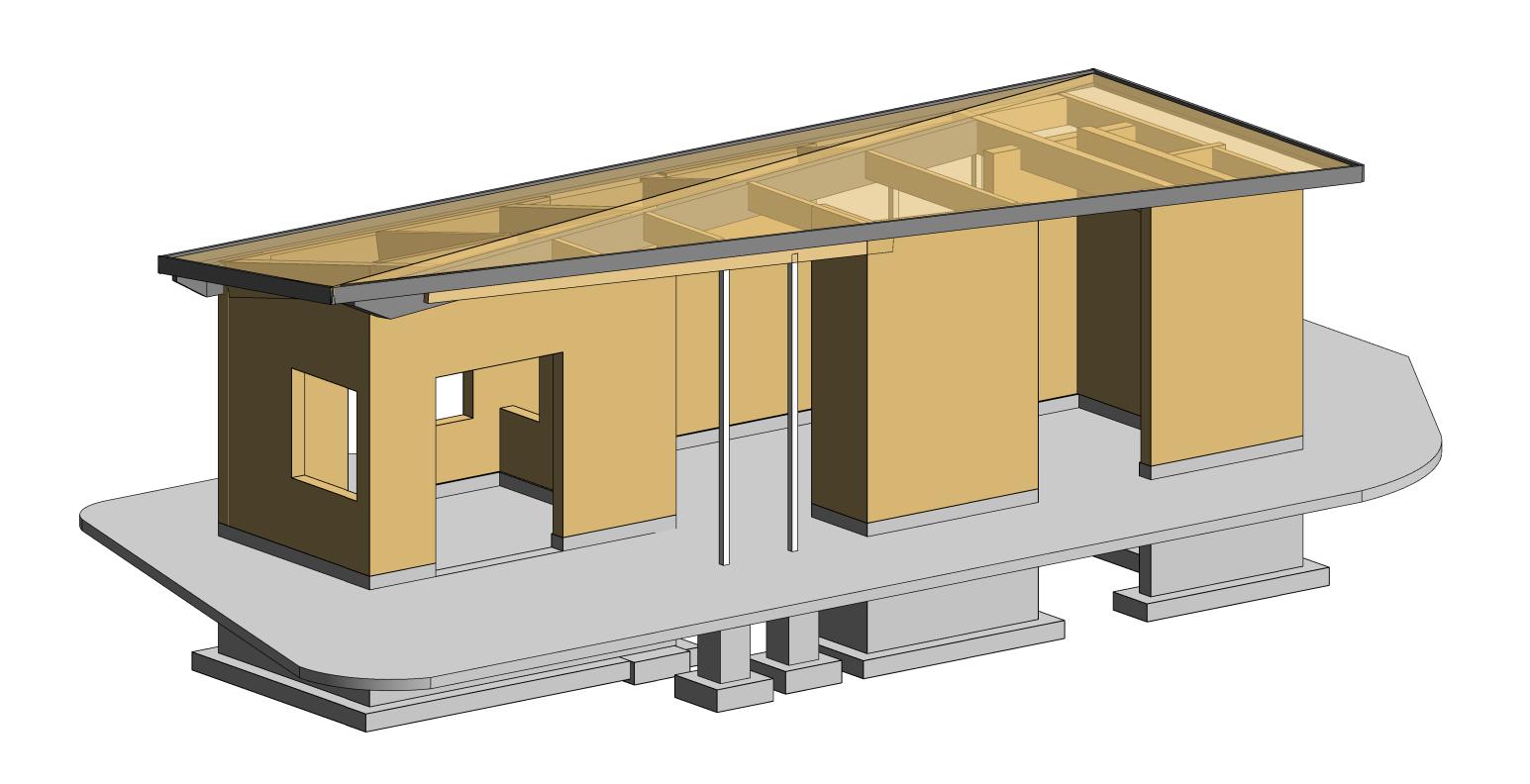
PROPOSED
GRADING PLAN

1:75 May 26, 2021

21041 rawn by:

Drawing No.: C-002







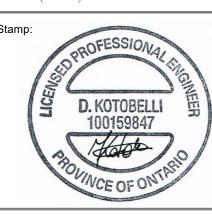


LETT ARCHITECTS INC. 138 Simcoe St. Peterborough ON K9H 2H5

t. 705 743 3311 f. 705 743 0056 studio@lett.ca lett.ca

consultant:

AMR ENGINEERING LTD.
STRUCTURAL ENGINEERS
920 Alness St suite 205,
Toronto, ON M3J 2H7
(416) 551-1611



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City of Peterborough

BEAVERMEAD CAMPGROUND GATEHOUSE

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Issue	es / Revisions	
No.	Description	Date
1	ISSUED FOR 75% REVIEW	JUL 23,2021
2	ISSUED FOR BUILDING PERMIT	AUG 16,2021
3	ISSUED FOR TENDER	AUG 16,2021

Drawing Title

3D - VIEWS

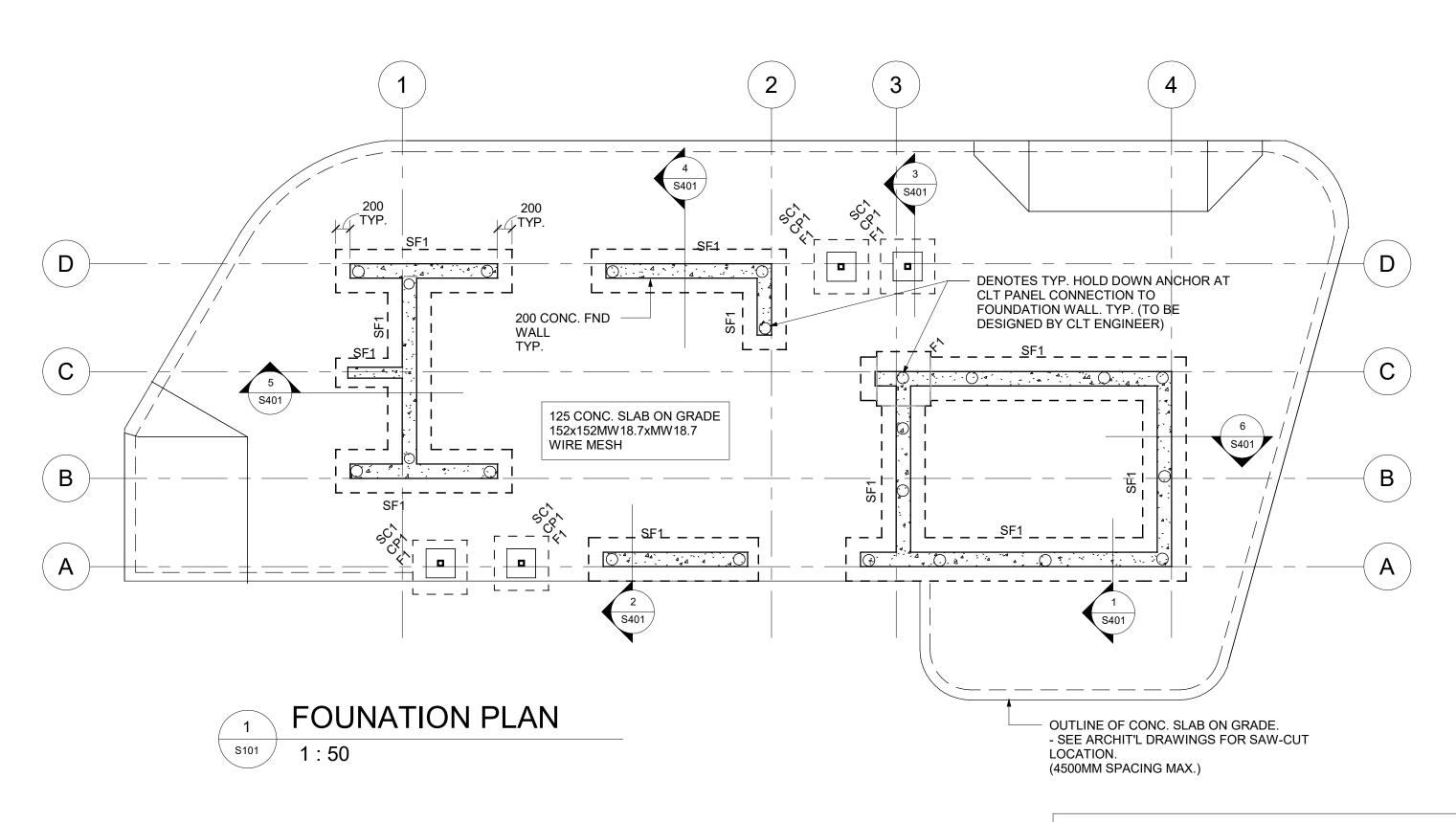
Scale

Date : AUG 16,2021

Job No. : 2150

Drawn by :

S000



1. TOP OF GROUND FLOOR SLAB IS AT ELEVATION 0.0 M (DATUM) UNLESS CROSSED AND NOTED OTHERWISE 2. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL CAPABLE OF SUPPORTING 150 KPa UNLESS NOTED OTHERWISE. BEARING CAPACITY TO BE CONFIRMED ON SITE BY A SOIL ENGINEER PRIOR TO CONSTRUCTION.

- 3. CENTER FOOTING ON CENTER LINES OF PIERS/WALLS UNLESS NOTED OTHERWISE ON PLAN OR SECTIONS. 4. INTERIOR SLAB ON GRADE IS 125MM THICK REINFORCED WITH 152X152MW18.7XMW18.7 WELDED WIRE MESH. 5. CONCRETE SIDEWALK IS 125MM THICK REINFORCED WITH 152X152MW18.7XMW18.7 WELDED WIRE MESH.
- 6. PLACE SLAB ON GRADE ON COMPACTED GRANULAR BACKFILL AS RECOMMENDED BY THE SOIL CONSULTANT. PROVIDE MINIMUM 300MM THICK LAYER OF WELL COMPACTED 19Ø CLEAR CRUSHED STONE (OPSS 1004) DIRECTLY BELOW THE SLAB. COMPACTED SLAB BASE TO EXTEND MIN 300MM BEYOND EDGE OF EXTERIOR SLABS. 7. SEE SCHEDULES FOR DIMENSIONS AND REINFORCING OF FOOTING AND PIERS ON THIS DRAWING.

8. SEE ALSO "GENERAL NOTES" AND TYPICAL DETAILS ON DRAWING S501.

ASSUMED SOIL BEARING CAPACITY FOR FOUNDATIONS DESIGN IS 150 KPa (SLS) & 225 KPa (ULS). BEARING CAPACITY TO BE CONFIRMED ON SITE BY Á SOIL ENGINEER PRIOR TO CONSTRUCTION.

PETERBOROUGH, ONTARIO

WIND DESIGN PARAMETERS:

Ce, Cg, and Cp ARE BASED ON OBC CL.4.1.7.

Sa (0.5) = 0.092 Sa (10.0) = 0.0031 (ASSUMED)

DESIGN CLT ROOF PANELS FOR = L/240 TOTAL LOAD

Sa (0.2) = 0.135 Sa (5.0) = 0.0071 SITE CLASSIFICATION: SITE CLASS "D"

DESIGN ROOF MEMBER CONNECTIONS FOR NET UPLIFT LOAD OF 1.20kPa

 $q(\frac{1}{50}) = 0.41 \text{ kPa}$, Iw = 1.0 ULS, 0.75 SLS

AND L/360 SNOW LOAD DEFLECTION

SEISMIC DESIGN PARAMETERS:

Sa (1.0) = 0.055 PGA = 0.082

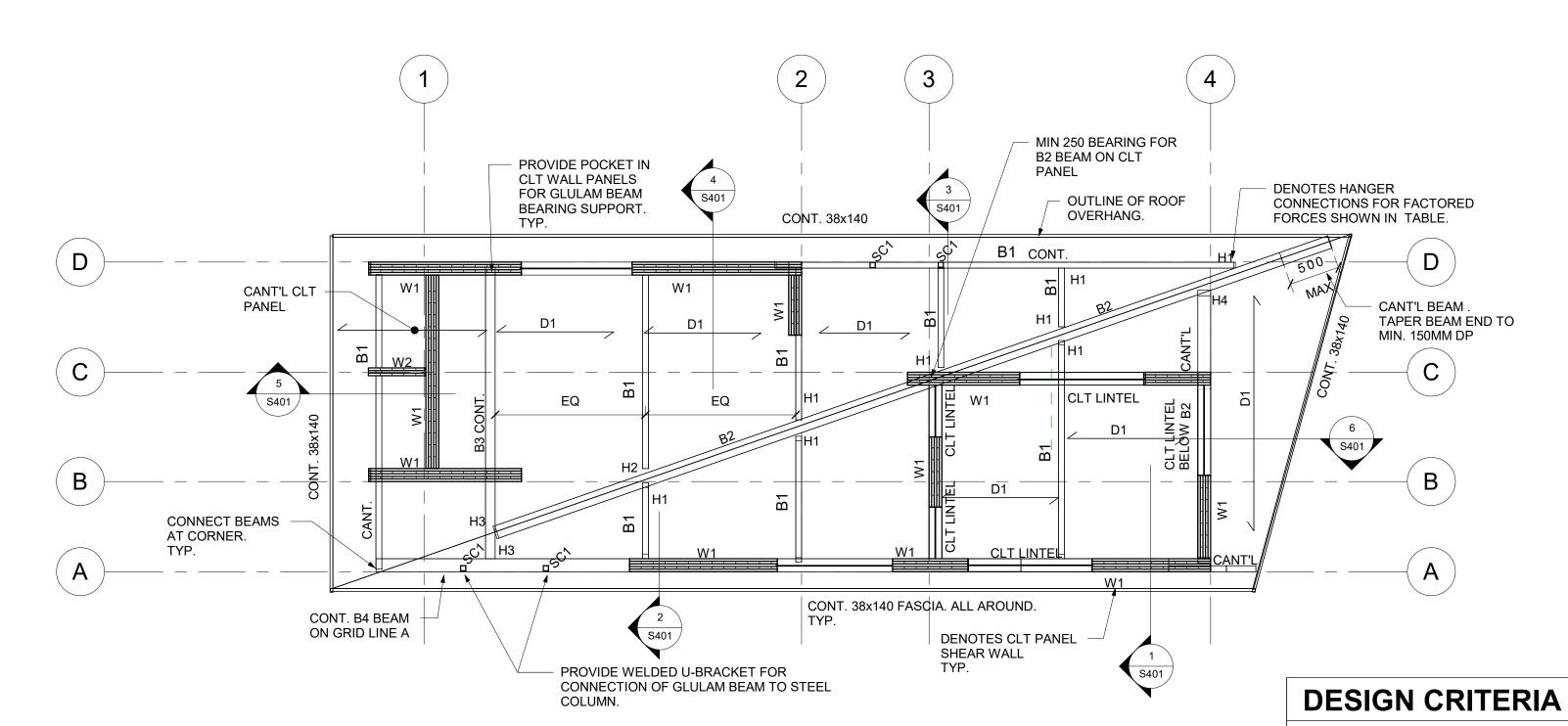
Sa (2.0) = 0.028 PGV = 0.072

ROOF DESIGN LOADS:

DEAD LOAD = 1.0 kPa

LIVE LOAD = 2.0 kPa

TOTAL LOAD =3.0 kPa



ROOF FRAMING PLAN S101 / 1:50

- 1. TOP OF ROOF VARIES. SEE ARCHT'L DWG FOR SLOPES.
- 2. TOP OF ROOF BEAMS IS AT U/S OF CLT ROOF PANELS. 3. SEE ARCH'L DRAWINGS FOR DIMENSIONS, ELEVATIONS AND ROOF SLOPES.
- 4. SEE ALSO 'GENERAL NOTES', SCHEDULE AND TYPICAL DETAILS ON S501
- 5. ALL EXTERIOR STEEL COLUMNS, BASE PLATES, ANCHOR BOLTS, ETC. SHALL BE HOT
- DIPPED GALVANIZED. SEE STEEL NOTES ON S501. 6. ALL CLT WALL PANELS TO HAVE OUTER LAMINATIONS RUN VERTICAL U.N.O.
- 7. ALL CLT WALL PANLES DENOTED AS W1 TO BE CLT SHEARWALLS. 8. DESIGN OF ALL CLT MEMBERS TO PROVIDED BY CLT ENGINEER AS PART OF THE
- HEAVY TIMBER PACKAGE SUPPLIER BASED ON THE DESIGN CRITERIA LOADING SHOWN ON THIS PAGE.
- 9. ALL WOOD FASTENERS (INCLUDING STEEL TO WOOD CONNECTIONS) TO BE SUPPLIED BY HEAVY TIMBER PACKAGE SUPPLIER.

	FOOTING SCHEDULE	
MARK	SIZE	NOTES
F1	750x750x250 DP + 3-15M B.E.W x 600 LG	PROVIDE DOWELS TO MATCH PIER VERTICALS ABOVE. (SEE SECTIONS)

	STRIP FOOTING SCHEDU	HEDULE	
MARK	SIZE	NOTES	
SF1	600x200 DP + 2-15M CONT. BOTTOM	PROVIDE 15M DOWELS TO FOUNDATION WALL ABOVE. (SEE SECTIONS)	

	PIER SCHEDULE	
MARK	SIZE	PIER CONFIGURATION
CP1	400x400 CONC. PIER + 4-20M VERT. +3-10M@300 O/C TIES +2 TIES @ TOP	

NOTE: TOP OF CONCRETE PIERS IS 250 MM BELOW FLOOR SLAB U.N.O.

STEEL COLUMN SCHEDULE				
MARK	SIZE	BASE PLATE	ANCHOR BOLTS	BASE PLATE DETAIL
SC1	HSS76x76x6.4	250x20x250	4-19Ø x 450LG ANCHOR BOLTS	80 TYP:

- 1. UNDER ALL COLUMN BASE PLATES PROVIDE 6MM LEVELING PLATE AND 44MM NON-SHRINK
- GROUT. LEVELING PLATE SHALL PROJECT 12MM BEYOND COLUMN BASE PLATE ALL AROUND 2. ALL EXTERIOR STEEL COLUMNS, BASE PLATES, ANCHOR BOLTS ETC. SHALL BE HOT DIPPED GALVANIZED DURING STEEL FABRICATION.

HANGER CONNECTION FORCES

H1: PROVIDE HANGER CONNECTION FOR FACTORED FORCE OF 10kN
H2: PROVIDE HANGER CONNECTION FOR FACTORED FORCE OF 15kN
H3: PROVIDE HANGER CONNECTION FOR FACTORED FORCE OF 22kN

H4: PROVIDE REVERSE HANGER CONNECTION FOR FACTORED FORCE OF 40kN

CLT PANEL SCHEDULE			
MARK SIZE			
D1	139 THK (5 PLY) CLT PANEL (V2 GRADE)		
W1 175 THK (5 PLY) CLT WALL PANEL (V2 GR			
W2	87 THK (3 PLY) CLT WALL PANEL (V2 GRADE)		

WOOD BEAM SCHEDULE			
MARK	SIZE	NOTES	
B1	80x304 DP GLULAM- EX, SPF, 20f-EX	(WET SERVICE CONDITION) PRESSURE TREATED FOR EXTERIOR CONDITION.	
B2	175x380 DP GLULAM- EX, SPF, 20f-EX	(WET SERVICE CONDITION) PRESSURE TREATED FOR EXTERIOR CONDITION.	
В3	130x380 DP GLULAM- EX, SPF, 20f-EX	(WET SERVICE CONDITION) PRESSURE TREATED FOR EXTERIOR CONDITION.	
B4	175x304 DP GLULAM- EX, SPF, 20f-EX	(WET SERVICE CONDITION) PRESSURE TREATED FOR EXTERIOR CONDITION.	

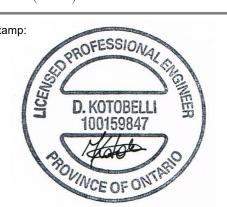


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studio@lett.ca lett.ca



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City of Peterborough

BEAVERMEAD CAMPGROUND GATEHOUSE

Enter address here Project North:

construction.

Issues / Revisions

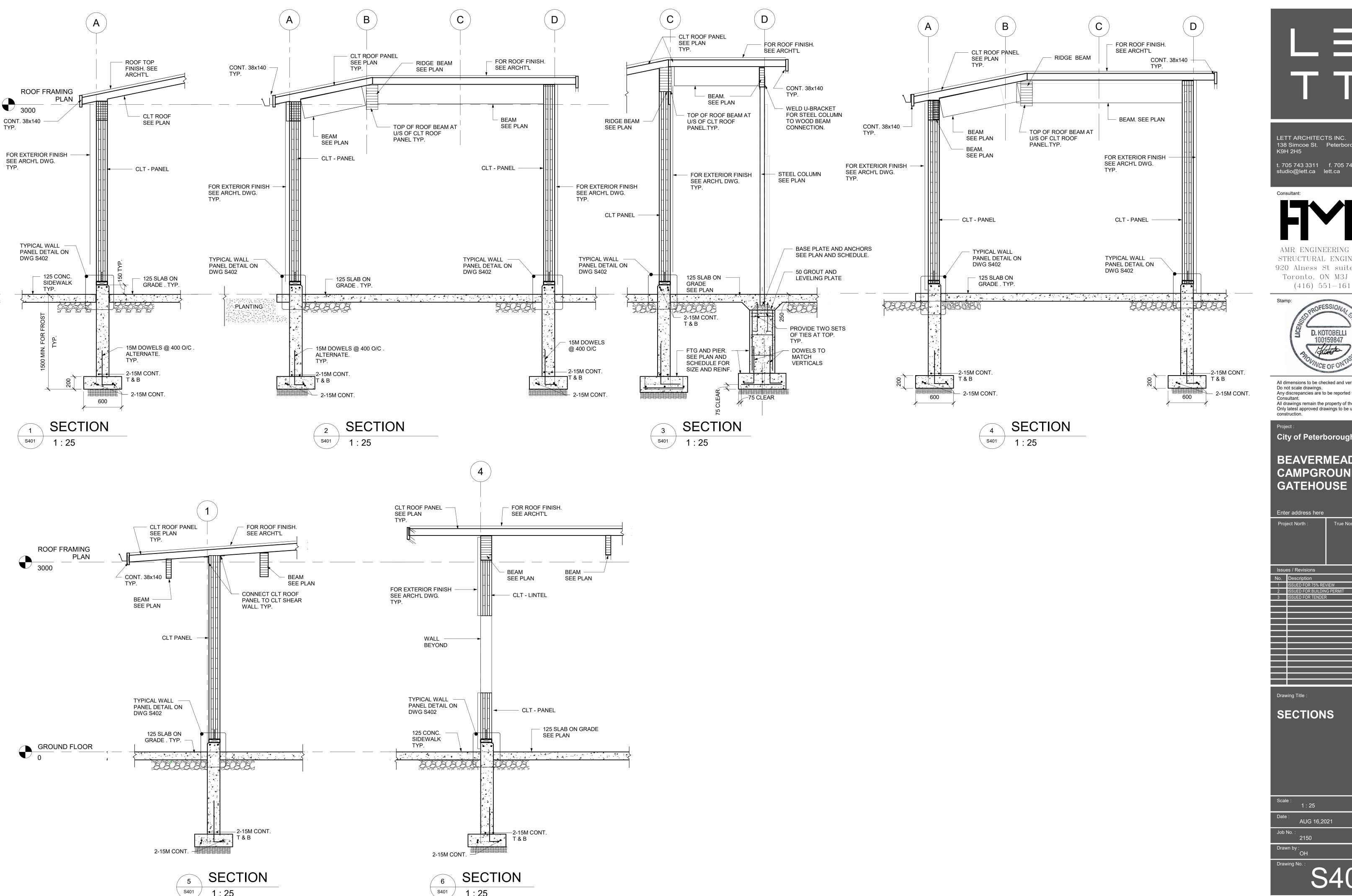
True North:

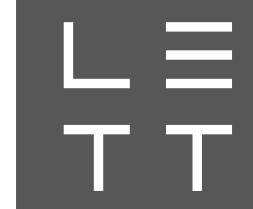
1 ISSUED FOR 75% REVIEW

FOUNDATION **AND ROOF** FRAMING PLAN

AUG 16,2021

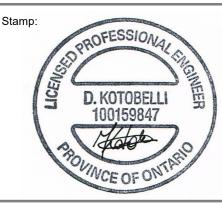
2150





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Floject.
City of Peterborough
BEAVERMEAD
CAMPGROUND

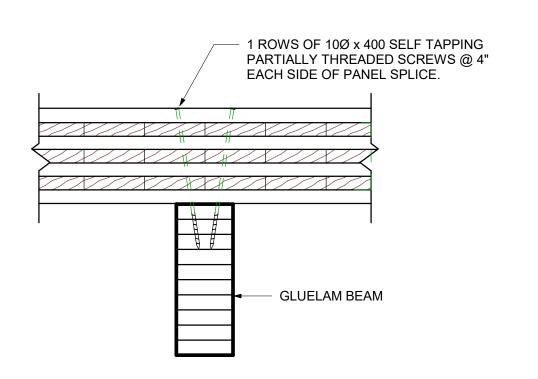
Enter address here

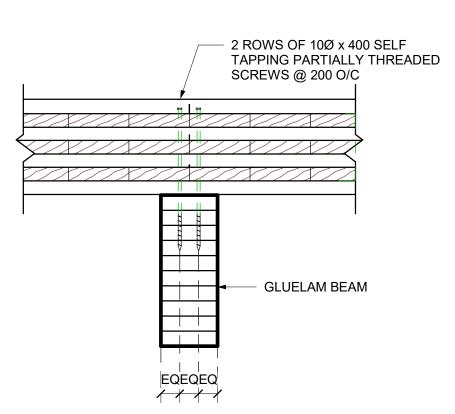
Issue	es / Revisions		
No.	Description		Date
1	ISSUED FOR 75% REVI	EW	JUL 23,2021
2	ISSUED FOR BUILDING	PERMIT	AUG 16,2021
3	ISSUED FOR TENDER		AUG 16,2021

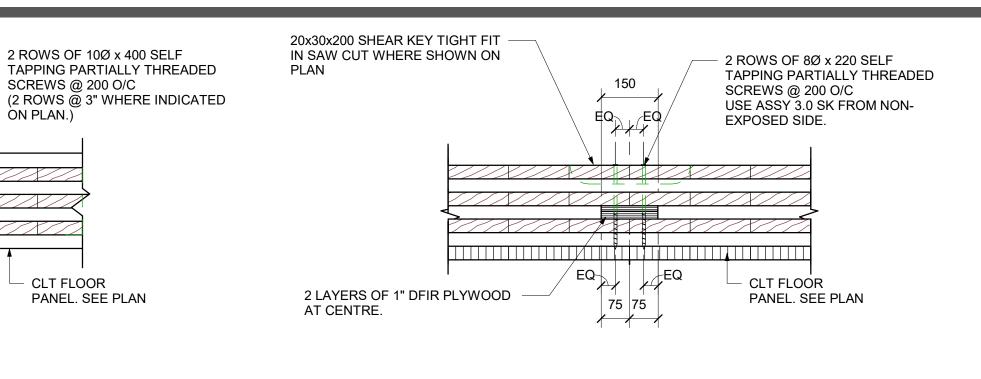
True North:

Drawing Title : SECTIONS

1 : 25 AUG 16,2021 2150







TYPICAL ROOF PANEL OVER **GLUELAM BEAM - PANEL SPLICE**

TYPICAL ROOF PANEL OVER **GLUELAM BEAM - CONTINUOUS**

TYPICAL FLOOR PANEL OVER WALL PANEL

2 ROWS OF 10Ø x 400 SELF

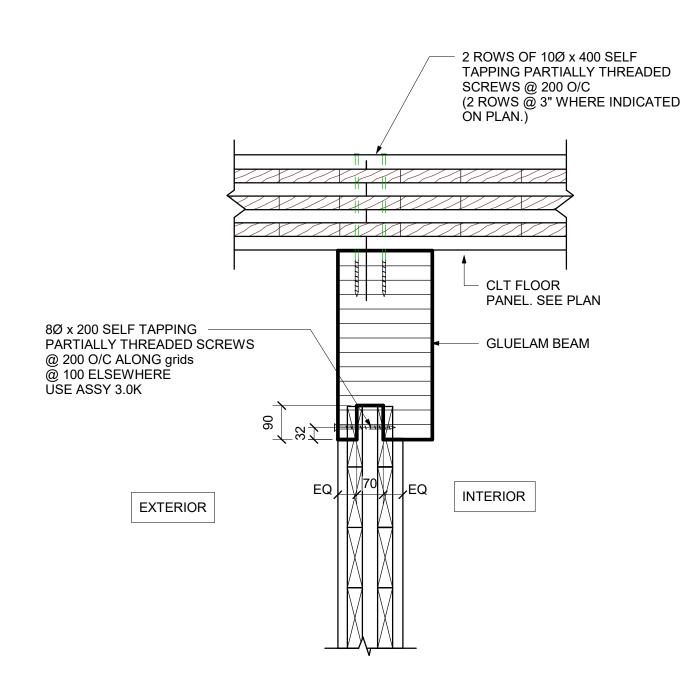
SCREWS @ 200 O/C

CLT FLOOR

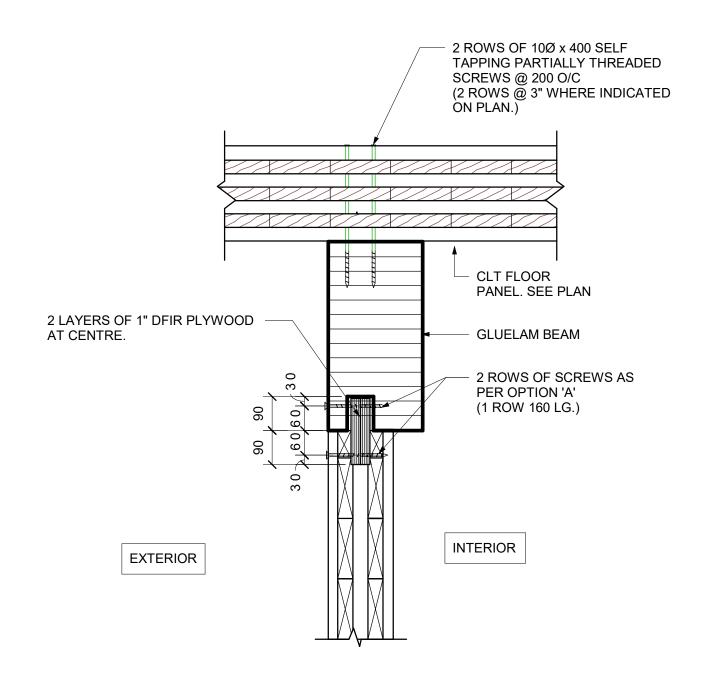
PANEL. SEE PLAN

ON PLAN.)

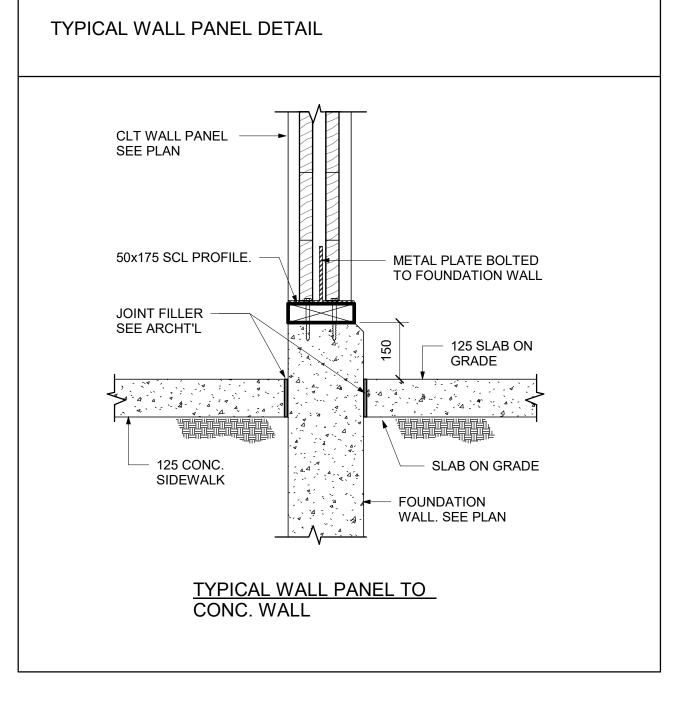
TYPICAL ROOF CLT SPLICE







TYPICAL GLUELAM BEAM TO **WALL PANEL - OPTION 'B'**

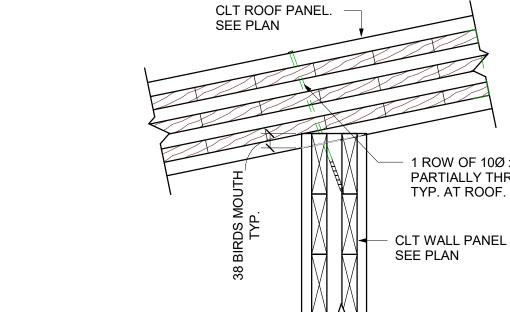




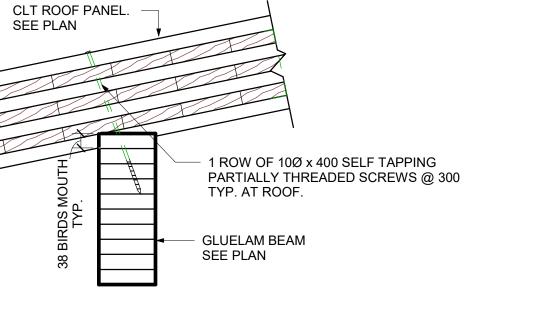
1 ROW OF 10Ø x 400 SELF TAPPING

TYP. AT ROOF.

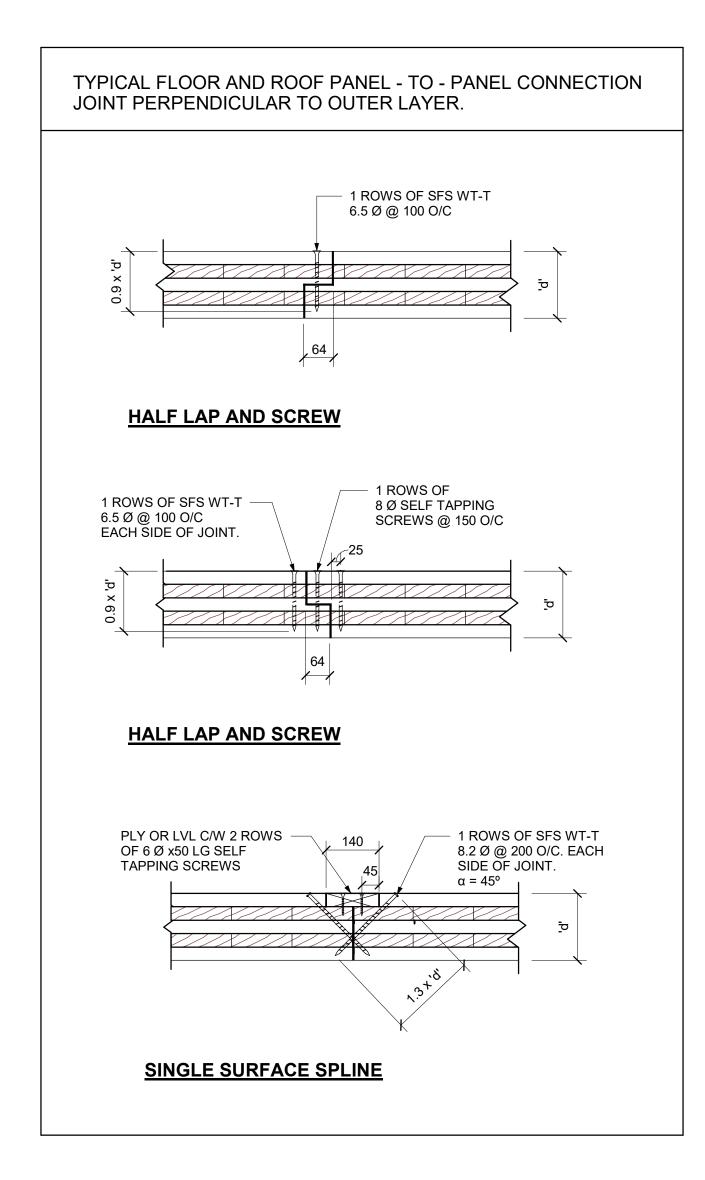
PARTIALLY THREADED SCREWS @ 150



TYPICAL SLOPING ROOF **PANEL ON CLT WALL**



TYPICAL SLOPING ROOF PANEL ON GLULAM BEAM

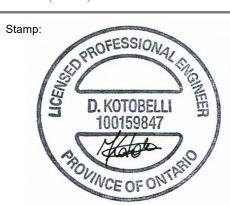




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Project North:

Issue	es / Revisions	
No.	Description	Date
1	ISSUED FOR 75% REVIEW	JUL 23,2021
2	ISSUED FOR BUILDING PERMIT	AUG 16,2021
3	ISSUED FOR TENDER	AUG 16,2021

True North:

CLT PANEL TYPICAL DETAILS

Drawing Title :

AUG 16,2021 2150

DESIGN CODE THE COMPLETED BASE BUILDING STRUCTURE SHOWN ON THE STRUCTURAL DRAWINGS HAS BEEN DESIGNED IN SUBSTANTIAL ACCORDANCE WITH THE

GENERAL NOTES

BUILDING CODE OF CANADA 2015.

THE USE OF THESE DRAWINGS IS LIMITED TO THAT IDENTIFIED IN THE REVISIONS

AMMENDED ONTARIO BUILDING CODE 2012 WHICH IS BASED ON THE NATIONAL

- THE INFORMATION ON THESE DRAWINGS SHALL NOT BE USED FOR ANY OTHER PROJECT OR WORKS. THE INFORMATION ON THESE DRAWINGS APPLIES SOLELY TO THIS PROJECT THE DRAWINGS DO NOT SHOW COMPONENTS THAT MAY BE NECESSARY FOR
- ERECTION OF ALL TEMPORARY STRUCTURES, FORMWORK, FALSE WORK, SHORING, ETC. REQUIRED TO COMPLETE THE WORK. "NON-STRUCTURAL" OR "SECONDARY STRUCTURAL" ELEMENTS ARE NOT PART OF THE STRUCTURAL DESIGN SHOWN ON THESE DRAWINGS. SUCH ELEMENTS ARE DESIGNED, DETAILED AND REVIEWED IN THE FIELD BY OTHERS. THEY APPEAR ON DRAWINGS OTHER THAN THESE DRAWINGS OF AMR ENGINEERING LIMITED. WHERE STRUCTURAL ENGINEERING RESPONSIBILITY IS REQUIRED FOR THESE ELEMENTS. THIS SHALL BE PROVIDED BY SPECIALTY STRUCTURAL ENGINEERS. WHO SHALL ALSO

IN AND ABOUT THE JOB SITE DURING CONSTRUCTION, AND THE DESIGN AND

CONSTRUCTION SAFETY. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR SAFETY

PROVIDE ANY LETTERS REQUIRED BY BUILDING PERMIT AUTHORITIES. SHOP DRAWINGS FOR NON-STRUCTURAL ELEMENTS WHICH MAY AFFECT THE PRIMARY STRUCTURAL SYSTEM SHALL BE SUBMITTED TO AMR ENGINEERING LIMITED THESE DRAWINGS WILL BE REVIEWED ONLY FOR THE EFFECT OF THE ELEMENT ON THE PRIMARY STRUCTURAL SYSTEM.

FOUNDATIONS

FOOTINGS HAVE BEEN DESIGNED FOR THE FOLLOWING ASSUMED BEARING RESISTANCES: STRIP FOOTING. ULS: 225kPa SLS: 150kPa

SPREAD FOOTING. ULS: 225kPa SLS: 150kPa REARING SURFACES MUST BE APPROVED BY THE SOULS ENGINEER IMMEDIATELY BEFORE FOOTING CONCRETE IS PLACED. AMR IS NOT RESPONSIBLE FOR CONFIRMING BEARING CAPACITIES OF SOILS

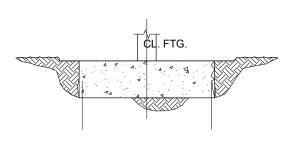
- UNLESS OTHERWISE SHOWN, CENTER FOOTINGS UNDER COLUMNS AND
- DOWELS SHALL BE PLACED BEFORE CONCRETE IS PLACED. TEMPLATES SHALL BE USED TO ENSURE CORRECT PLACEMENT OF DOWELS.
- PROVIDE 50 mm GROUND SEAL/ SKIM COAT, MUD SLAB UNDER FOOTINGS AS REQUIRED BY SOIL CONDITIONS.
- FOR GROUND ELEVATIONS AND DRAINAGE SLOPES, SEE ARCHITECT'S
- VARY FOOTING ELEVATIONS WHERE REQUIRED IN ACCORDANCE WITH DETAIL FOR "TYPICAL STEPPED FOOTING" (S.D.F.), SHOWN ON STRUCTURAL DRAWINGS.
- ELECTRICAL SERVICES. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ELEVATIONS OF SAME. FOOTINGS ARE NOT TO BE UNDERMINED BY EXCAVATIONS FOR SERVICES, PITS, ETC. FOOTING ELEVATIONS, IF SHOWN, ARE FOR PRICE ESTIMATING PURPOSES ONLY, ARE NOT FINAL, AND MAY VARY ACCORDING TO SITE CONDITIONS OR

FOOTINGS MAY HAVE TO BE LOWERED TO ACCOMMODATE MECHANICAL OR

- AS REQUIRED BY SERVICES. ALL FOOTINGS MUST BE TAKEN TO A BEARING LAYER APPROVED BY THE SOILS ENGINEER BEARING SURFACES MUST BE PROTECTED FROM FREEZING BEFORE AND
- AFTER FOOTINGS ARE POURED. SUB-BASE DESIGN OF SOIL UNDER THE SLAB ON GRADE SHALL BE IN

ACCORDANCE WITH THE SOIL REPORT.

- CONCRETE PLACED UNDER WATER SHALL CONFORM TO CAN/CSA-A23.1.
- WHERE A FOUNDATION WALL RETAINS SOIL ON EACH SIDE, PLACE BACKFILL ON BOTH SIDES SIMULTANEOUSLY.
- FOUNDATION WALLS RETAINING EARTH BETWEEN SLABS AT DIFFERENT LEVELS SHALL BE SHORED UNTIL THE SLAB AT HIGHER LEVEL IS IN PLACE AND HAS REACHED ITS REQUIRED STRENGTH.
- DESIGN AND FIELD REVIEW OF EXCAVATION SHORING AND BACKFILL IS NOT
- FOOTINGS CAST DIRECTLY INTO EXCAVATIONS (WITHOUT SIDE FORMS) SHALL NOT BE LARGER THAN SHOWN BELOW:



STRUCTURAL STEEL

- STRUCTURAL STEEL SECTIONS SHALL BE NEW AND CONFORM TO THE
- A. WIDE FLANGE BEAMS AND WWF SECTIONS --- CSA G40.21 350W B. MISCELLANEOUS ROLLED SECTIONS (EXCEPT WIDE FLANGES) ---
- C. HOLLOW STRUCTURAL SECTIONS (CLASS C U N O) -ROLLED PLATES -
- BOLTS (SEE PLANS AND DETAILS) ------ ASTM A325 OR ASTM A490 STRUCTURAL STEEL ANCHOR RODS (U.N.O.) --ASTM F1554
- G. REINFORCING BAR ANCHOR BOLTS ------GRADE 36 MINIMUM CAN/CSA-G30.18R,

CSA G40.21 350W

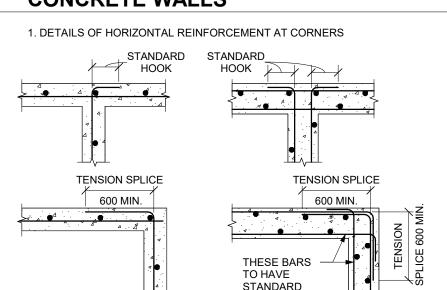
CSA G40 21 300W

- ALL CONNECTIONS TO BE DESIGNED BY FABRICATOR UNLESS NOTED OTHERWISE. ALL BEAM CONNECTIONS TO BE STANDARD FRAME BEAM CONNECTIONS OR EQUIVALENT, UNLESS NOTED OTHERWISE. SUBMIT A LETTER OF CERTIFICATION BY P.ENG RESPONSIBLE FOR DESIGN OF CONNECTIONS SHOP DRAWINGS SHALL BE PREPARED UNDER THE DIRECTION OF A
- SPECIALTY STRUCTURAL ENGINEER. FOR THOSE CONNECTIONS AND COMPONENTS DESIGNED BY THE FABRICATOR. THIS ENGINEER ORTHEIR REPRESENTATIVE SHALL VISIT THE SITE TO REVIEW IN PLACE THE CONNECTIONS AND COMPONENTS DESIGNED BY THIS ENGINEER TO SATISEY THEMSELVES THAT THESE CONNECTIONS AND COMPONENTS COMPLY WITH THEIR DESIGN ON THE SHOP DRAWINGS. THIS ENGINEER SHALL PROVIDE A LETTER TO AMR TO THIS EFFECT. THIS ENGINEER SHALL ALSO PROVIDE SEALED SKETCHES FOR ALL FIELD MODIFICATIONS MADE TO THEIR DESIGN. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO START OF STEEL
- FABRICATION. FABRICATION, ERECTION, STRUCTURAL DESIGN, AND DETAILING OF ALL
- STEEL SHALL BE IN ACCORDANCE WITH CAN/CSA-S16. FILLET WELDS SHALL BE 5 mm MINIMUM U.N.O.
- BOLTS SHALL BE A325 19 mm Ø MINIMUM U.N.O. BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO BOLTS IN EACH
- UNLESS NOTED OTHERWISE, COLUMN CAP PLATES SHALL BE 16 mm THICK AND COLUMN BASE PLATES SHALL BE 20 mm MINIMUM THICK

PROVIDE 6 mm CAP PLATES FOR ALL HSS MEMBERS U.N.O.

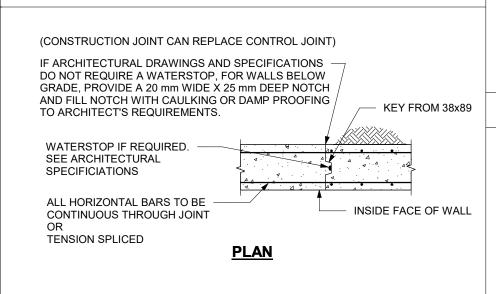
- CONNECTION DETAILS SHOWN ON THE STRUCTURAL DRAWINGS SHALL NOT BE ALTERED BY THE CONTRACTOR WITHOUT WRITTEN APPROVAL FROM AMR ENGINEERING LIMITED
- ALL STEEL SHALL BE PAINTED WITH 1 SHOP COAT AND FIELD TOUCH UP AS PER CGSB-1 40-M89
- ALL STEEL EXPOSED TO ELEMENTS SHALL BE HOT DIPPED GALVANIZED AS PER REQUIREMENTS OF CSA G164-18.
- TOUCH UP ALL STEEL WELDS WITH ZINC RICH PAINT CONFORMING TO
- ALL WELDING SHALL BE CARRIED OUT BY A WELDER QUALIFIED BY CANADIAN WELDING BUREAU (CWB) AND SHALL BE IN ACCORDANCE WITH CSA
- CONTRACTOR IS RESPONSIBLE TO ARRANGE FOR STRUCTURAL STEEL AND WELDING INSPECTION FROM AN INDEPENDENT TESTING AGENCY AND PROVIDE CONFORMANCE REPORT TO AMR FOR REVIEW AND RECORD.

CONCRETE WALLS

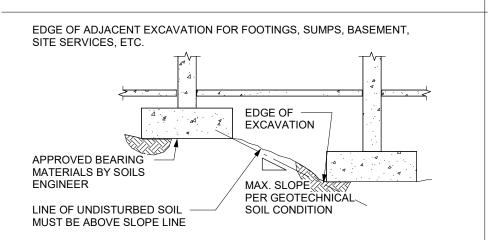


HOOKS

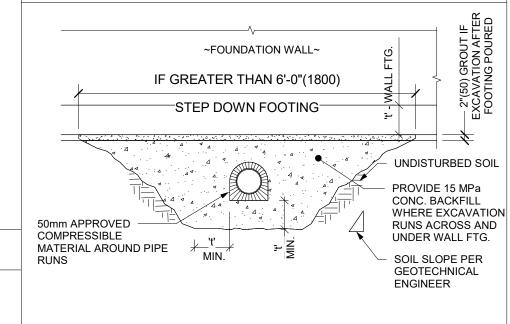
WALL CONSTRUCTION JOINT



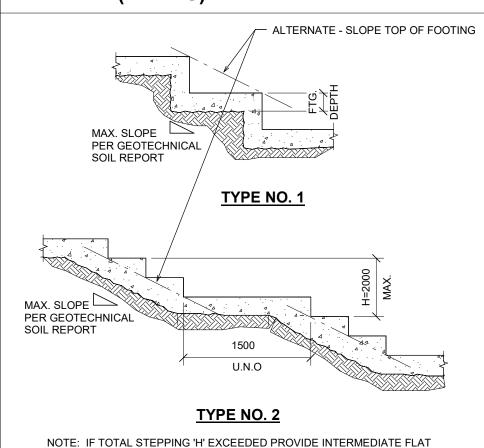
TYPICAL FOOTING ADJACENT TO **EXCAVATION**



TYPICAL PIPE UNDER WALL FOOTING DETAIL



TYPICAL STEPPED FOOTINGS ON SOIL (WALLS)



HORIZONTAL SECTION BETWEEN SLOPED FOOTINGS U.N.O. ON PLAN

CONCRETE IS SPECIFIED AS PER THE "PERFORMANCE" ALTERNATE ASOUTLINED IN TABLE 5 OF CAN/CSA-A23.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR WORKING WITH THE CONCRETE SUPPLIER TO ENSURE THAT THE PLASTIC AND HARDENED MIX PROPERTIES MEET SITE REQUIREMENTS FOR PLACING, FINISHING, AND THE OWNERS' SPECIFIED PERFORMANCE REQUIREMENTS. THE GENERAL CONTRACTOR SHALL MEET THE DOCUMENTATION AND QUALITY CONTROL REQUIREMENTS OUTLINED UNDER THE "PERFORMANCE" ALTERNATE OF TABLE 5 OF CAN/CSA-A23.

MIN. WITHOUT SETTLEMENT RELATIVE TO THE BUILDINGS FOOTINGS. IN

AREAS WHERE S.O.G. USED TO SUPPORT TEMPORARY SHORING LOADS.

U.N.O REINFORCE SLAB ON GRADE WITH 152X152MW18.7XMW18.7 WELDED

JNLESS MORE RIGOROUS REQUIREMENTS ARE INDICATED ELSEWHERE ON

SAWCUT JOINTS 5mm WIDE AND 25 mm DEEP AS SOON AS PRACTICAL, BUT NO

UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, RUN ANY SLAB

UNLESS NOTED OTHERWISE, FORM A DIAMOND SHAPE AROUND COLUMNS

150mm CLEAR, AND DO NOT RUN REINFORCEMENT THROUGH. PLACE INFILL

DIAMOND PANEL SHALL

BE CAST AFTER SURROUNDING

SAW CUTS AND CONSTRUCTION

SLABS HAVE BEEN CAST AND

JOINTS HAVE BEEN MADE

- COLUMN BASE PL

STEEL COLUMN

LATER THAN 24 HOURS AFTER PLACEMENT OF SLAB. USE EQUIPMENT THAT

DOES NOT "RAVEL" THE EDGES OF THE CUT. SEAL AS REQUIRED.

AROUND COLUMN 28 DAYS AFTER SLAB ON GRADE PLACED.

THE STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS,

TEMPORARY WORKS ENGINEER

WIRE MESH (50MM FROM TOP).

150 mm CLEAR OF COLUMNS.

FORM AND PROVIDE

13mm JOINT FILLER

SAWCUT

CONTROL JOINT

ALL SIDES

CONCRETE

SPACE CONTROL JOINTS AT 4500 mm O/C MAXIMUM.

ON GRADE REINFORCEMENT THROUGH THE JOINTS.

THE SUPPLIER SHALL MEET ALL CERTIFICATION AND DOCUMENTATION REQUIREMENTS AS OUTLINED UNDER THE "PERFORMANCE" ALTERNATE OF OF TABLE 5 OF CAN/CSA-A23.

THE CONCRETE SUPPLIER SHALL BE CERTIFIED BY THE READY MIXED CONCRETE ASSOCIATION OF ONTARIO.

PORTLAND CEMENT SHALL BE TYPE GU UNLESS NOTED OTHERWISE. CONCRETE SHALL HAVE A UNIT WEIGHT OF 23±1 kN/m³ (145±5 PCF) UNLESS

THE ULTIMATE 28 DAYS COMPRESSIVE STRENGTH OF CONCRETE SHALL BE BE 25 MPa WITH AIR ENTRAINMENT CONTENT OF 5% TO 7% (MAX.) AND WATER/CEMENT RATIO BY MASS OF 0.55 U.N.O. EXPOSURE CLASS FOR

INTERIOR SLAB ON GRADE AND FOOTINGS SHALL BE N. THE ULTIMATE 28 DAYS COMPRESSIVE STRENGTH OF CONCRETE EXPOSED TO FREEZING AND THAWING (EXTERIOR SLABS, SIDEWALKS, CURBS) RETAINING WALLS ETC.) SHALL BE 32 MPa WITH MINIMUM AIR ENTRAINMENT. CONTENT OF 5% AND MAXIMUM WATER CEMENT RATIO BY MASS OF 0.45 EXPOSURE CLASS FOR CONCRETE EXPOSED TO FREEZING AND THAWING SHALL BE C-2.

RETAINING/FOUNDATION WALLS SHALL BE F-2. EXPOSURE CLASS FOR

DO NOT USE CALCIUM CHLORIDE OR OTHER CHLORIDE PRODUCT IN

FOR CONCRETE TOPPING USE PEA SIZE AGGREGATE (MAX. 10mm

CURING OF CONCRETE TO MEET THE REQUIREMENTS FOR THE EXPOSURE CLASS AS OUTLINED IN CLAUSE 7.4.1.7 AS WELL AS TABLES 2 AND 20 OF CAN/CSA-A23.

CONCRETE REINFORCEMENT SHALL CONFORM TO THE FOLLOWING STANDARDS: CAN/CSA-G30.18R - GRADE 400 MPa - 10M AND LARGER (U.N.0) CSA STANDARD G30.5 - GRADE 400 MPa - WELDED WIRE RENFOCEMENT

CAN/CSA-G30.18W - GRADE 400 MPa - ALL REINFORCING THAT WILL BE WELDED OR IS PART OF THE SEISMIC RESISTING ELEMENTS: REINFORCING FOR SHEAR WALLS, HEADERS AND ZONES (INCLUDING ZONE TIES AND HEADER TIES/STIRRUPS) AND MOMENT FRAME COLUMNS AND BEAMS STIRRUPS).

CSA STANDARD G279 - PRESTRESSING STRANDS EPOXY REINFORCING - ASTM A775M AND ASTM D3963

TENSION AND COMPRESSION EMBEDMENT AND SPLICE LENGTHS SHALL CONFORM TO CAN/CSA-A23.3.

DO NOT SUBSTITUTE DEFORMED WIRE FOR REINFORCING BARS WITHOUT PRIOR APPROVAL OF THE AMR. SUPPORT REINFORCING WITH CHAIRS, ACCESSORIES, OR REINFORCING BARS AS REQUIRED. BARS USED AS SUPPORT BARS SHALL BE CONSIDERED

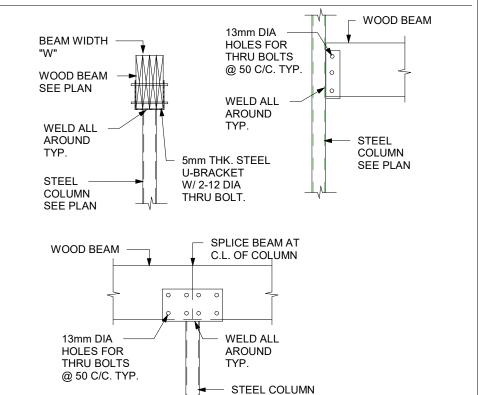
PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN CONCRETE COVER AS SPECIFIED. ALL SUPPORTS AND BARS MUST BE TIED TOGETHER TO MAINTAIN REINFORCING STEEL SECURELY IN PLACE DURING CONCRETE

DETAIL REINFORCING IN ACCORDANCE WITH REINFORCING STEEL MANUAL

OF STANDARD PRACTICE RSIC IAAC.

SUBMIT SHOP DRAWINGS FOR CONCRETE REINFORCEMENT, BAR SUPPORT AND ACCESSORIES FOR REVIEW BY AMR PRIOR TO PLACEMENT OF REBAR CLEARLY INDICATE BAR SIZES, GRADES, SPACING, LOCATION AND QUANTITIES OF REINFORCING MESH, BAR SUPPORTS AND ACCESSORIES AND IDENTIFYING CODE MARKS TO PERMIT CORRECT PLACEMENT WITHOUT REFERENCE TO STRUCTURAL DRAWINGS. PLACING DRAWINGS AND BAR LISTS WILL BE REVIEWED FOR NUMBER AND SIZE OF BARS ONLY AND THIS REVIEW SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR CARRYING OUT THE WORK IN ACCORDANCE WITH THE DRAWINGS. SUBSTITUTION OF IMPERIAL REINFORCING SIZES AND GRADES WILL ONLY BE ACCEPTED IF PLACING DRAWINGS SHOWING IMPERIAL SIZES ARE SUBMITTED TO THE CONSULTANT FOR REVIEW. APPROVAL MUST BE OBTAINED BEFORE ANY WORK IS COMMENCED.

TYPICAL DETAIL FOR WOOD BEAM TO STEEL COLUMN CONNECTION



SEE PLAN

SLAB ON GRADE REINF. & CONTROL JOINTS WOOD FRAMING

SLAB ON GRADE SHALL BE PLACED ON SOIL CAPABLE OF SUSTAINING 25.0 kPa

ALL DESIGN, DETAILS, MATERIALS AND CONSTRUCTION PROCEDURES SHALL CONFORM TO CURRENT EDITIONS OF THE FOLLOWING AS A MINIMUM: LARGER SUBGRADE CAPACITIES MAY BE REQUIRED PER LOADS SUPPLIED BY

> ONTARIO BUILDING CODE 2012 PART 9 CAN/CSA-086 - ENGINEERING DESIGN IN WOOD CSA O121 - DOUGLAS FIR PLYWOOD CAN/CSA-LO 4000 - PARALLAMS AND MICROLLAMS CAN/CSA-O122 - STRUCTURAL GLUED-LAMINATED TIMBER CSA O437 SERIES - STANDARDS FOR OSB AND WAFERBOARD CSA B111 - WIRE NAILS, SPIKES AND STAPLES CAN/CSA-B34 - MISCELLANEOUS BOLTS AND SCREWS CANADIAN WOOD-FRAME HOUSE CONSTRUCTION-CMHC "WOOD DESIGN MANUAL" - CANADIAN WOOD COUNCIL

ANY CHANGES TO THE FRAMING SHOWN ON THESE DRAWINGS SHALL UNLESS NOTED OTHERWISE, SAWCUT DIAMOND PATTERN AROUND COLUMNS, HAVE PRIOR WRITTEN APPROVAL OF AMR. FRAMING CHANGES WHICH HAVE NOT BEEN SO APPROVED WILL BE REJECTED.

> CONFIRM ALL DIMENSIONS AND OUTLINES WITH THE ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DIMENSIONS, ELEVATIONS AND DETAILS.

- ANY TIMBER NOT GRADE MARKED WILL BE REJECTED.
- FINISHES SHALL BE DETAILED TO ACCOMMODATE SHRINKAGE OF THE TIMBER OVER TIME.

DO NOT COVER WOOD FRAMING WITH FINISHES UNTIL AMR'S FRAMING REVIEW IS COMPLETE. PROVIDE 48 HOURS ADVANCE NOTIFICATION WHEN FRAMING REVIEWS ARE REQUIRED.

NOTCHING AND DRILLING OF STRUCTURAL ELEMENTS SHALL FOLLOW THE GUIDELINES SET FORTH IN THE BUILDING CODE PART 9, UNLESS OTHERWISE APPROVED IN WRITING BY AMR.

FOLLOW THE GUIDELINES SET FORTH IN THE BUILDING CODE PART 9, UNLESS OTHERWISE APPROVED IN WRITING BY AMR. ANY TIMBER NOT GRADE MARKED WILL BE REJECTED. TIMBER

SHALL BE DRY SPRUCE #1 OR #2 CONFORMING TO CSA-086-14

NOTCHING AND DRILLING OF STRUCTURAL ELEMENTS SHALL

U/N OTHERWISE TRUS JOISTS AND MICRO LAM BEAMS (MLB) SHALL BE AS MANUFACTURED BY TRUS JOIST CANADA LTD. OR AN

ALL LOAD BEARING STUDS SHALL HAVE ONE ROW OF SOLID BLOCKING AT MID-HEIGHT UNLESS NOTED OTHERWISE.

PROVIDE 38X38 BRIDGING AT 2000 C/C MAXIMUM FOR FLOOR

APPROVED EQUAL

BRIDGING FOR TRUSS JOISTS SHALL BE AS RECOMMENDED BY THE MANUFACTURER, HOWEVER, PROVIDE MINIMUM ONE ROW OF BRIDGING AT MID-SPAN FOR JOIST SPANS > 4800.

PROVIDE ADEQUATE TEMPORARY BRACING FOR ALL STUD WALLS DURING CONSTRUCTION.

ALL CONNECTIONS, UNLESS NOTED OTHERWISE, TO BE IN

ACCORDANCE WITH O.B.C 2012, TABLE 9.23.3.4. & TABLE 9.23.3.5 ALL WOOD FRAME CONSTRUCTION SHALL SATISFY THE

FOLLOWING CONSTRUCTION TOLERANCES AS A MINIMUM. REFER TO ARCHITECTURAL AND WARRANTY REQUIREMENTS FOR ADDITIONAL TOLERANCE SPECIFICATIONS.

FLOORS - NOT MORE THAN 6 mm IN 3 m OUT OF LEVEL WALLS - NOT MORE THAN 6 mm IN 2.4 m OUT OF PLUMB. NOT MORE THAN 6 mm IN 3 m FOR ANY

OVERALL - BUILDING WALLS AND FLOORS SHALL NOT BE MORE THAN 10 mm DIFFERENCE IN MEASUREMENT FROM DIMENSIONS SHOWN ON CONTRACT DOCUMENTS.

MATERIAL

BOWING.

- STUDS AND BUILT-UP POSTS TO BE S-P-F #2 GRADE OR BETTER
- JOISTS TO BE S-P-F #2 GRADE OR BETTER.
- BUILT-UP BEAMS AND HEADERS TO BE S-P-F #2 GRADE OR BETTER.
- WALL PLATES TO BE S-P-F #2 GRADE. WALL PLATES SHALL BE KILN-DRIED AND MAY BE FINGER JOINTED EXCEPT IN SHEAR WALLS.
- ALL DIMENSION LUMBER TO BE SURFACED FOUR SIDES ('S4S').

BEAMS TO BE S-P-F #2 GRADE OR BETTER.

- PLYWOOD TO BE DOUGLAS FIR SHEATHING GRADE.
- O.S.B TO CONFORM TO CSA 0325.
- TIMBER CONNECTION HARDWARE TO BE SIMPSON STRONG-TIE, OR EQUIVALENT APPROVED BY AMR. COMPLETE WITH NAILS SUPPLIED BY MANUFACTURER. DO NOT USE P NAILS.
- $\underline{\text{NAILS}}$ SHALL BE COMMON ROUND STEEL WIRE NAILS. NAILS ARE CALLED UP BY LENGTH AND SHALL CONFORM TO THE FOLLOWING TABLE:
- DIAMETER PENNY-WEIGHT LENGTH 50 mm (2") 2.84 mm (0.113") 65 mm (2 1/2") 3.25 mm (0.131") 10d 75 mm (3") 3.66 mm (0.148") 80 mm (3 1/4") 12d 3.66 mm (0.148") 90 mm (3 1/2") 4.06 mm (0.162") 20d 100 mm (4") 4.88 mm (0.192") 30d 115 mm (4 1/2") 5.38 mm (0.225") 125 mm (5") 5.89 mm (0.244") 40d

NOTE: SPIREL OR PNEUMATIC NAILS MAY BE USED IF THEY CONFIRM TO THE TABLE ABOVE.

MISCELLANEOUS STEEL TO BE CAN/CSA-G40.21 OR APPROVED EQUAL. ANCHOR BOLTS SHALL BE ASTM F1554 OR ASTM A36 OR APPROVED EQUAL. ANCHOR BOLTS SHALL BE DEFORMED, THREADED ALONG THEIR

FULL LENGTH OR HOOKED 40 mm AT THE BOTTOM.

- BOLTS SHALL BE ASTM A307 OR APPROVED EQUAL, USED WITH STANDARD CUT STEEL WASHERS UNLESS NOTED OTHERWISE ON
- MOISTURE CONTENT OF ALL TIMBER ELEMENTS SHALL NOT EXCEED 19% AT THE TIME OF CONSTRUCTION OR FABRICATION.

ALL FASTENERS AND CONNECTION HARDWARE THROUGH PRESERVATIVE TREATED MATERIALS OR OUTSIDE OF THE MOISTURE

BARRIER TO BE HOT DIPPED GALVANIZED OR STAINLESS STEEL

CROSS-LAMINATED TIMBER (CLT)

- ALL WORK TO APA STANDARD FOR PERFORMANCE RATED CLT ANSI/APA PRG 320-2011 AND CROSS LAMINATED TIMBER PLANT QUALIFICATION STANDARD BY FPINNOVATIONS.
- 2. SUPPLIER TO SUBMIT ADEQUATE PRODUCT CERTIFICATES TO ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCEMENT OF FABRICATION. FABRICATION SHALL START ONLY AFTER REVIEW OF DOCUMENTS AND WRITTEN APPROVAL BY STRUCTURAL ENGINEER.
- 3. CONFIRM ALL DIMENSIONS, OUTLINES, ELEVATIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
- 4. CLT PANELS CONSIST OF CROSSWISE STACKED AND GLUED TOGETHER LAYERS OF SPRUCE PLANKS. BONDING TO BE CARRIED OUT EXCLUSIVELY WITH APPROVED ADHESIVES. PLANKS TO BE STRESS AND QUALITY GRADED AND MACHINE DRIED.
- THE PANEL CONSISTS OF 3, 5, 7 OR MORE LAYERS. THE LAMINATION THICKNESS VARIES BETWEEN 19MM(3/4") AND 38MM(1 1/2") DEPENDING ON STRUCTURAL REQUIREMENT AS SHOWN ON STRUCTURAL DRAWINGS UNLESS OTHERWISE NOTED
- 6. CLT PANELS SHALL HAVE A MOISTURE CONTENT OF 12% (±2%)
- PANEL SURFACES TO BE IN ACCORDANCE WITH ARCHITECTURAL REQUIREMENTS.
- KEEP THE PANELS CONSTANTLY PROTECTED FROM THE WEATHER DURING TRANSPORTATION, STORAGE AND ERECTION. STORE CLT PANELS OFF THE GROUND WITH SPACER BLOCKS PLACED BETWEEN MEMBERS.
- ANCHOR POINTS FOR INSTALLATION STRAPS TO HAVE MIN 89MM [3 1/2"] EDGE / END DISTANCE.
- 10. UNLESS NOTED OTHERWISE. ALL STRUCTURAL STEEL CONNECTING CLT PANELS ELEMENTS TO EACH OTHER AND TO SUPPORTING MEMBERS SHALL BE DETAILED, SUPPLIED AND TEST FITTED IN THE SHOP BY THE CLT SUPPLIER.
- 11.UNLESS NOTED OTHERWISE, USE 8.0MM [5/16"] SELF TAPPING SCREWS TO CONNECT PANELS.76MM [3"] MIN LENGTH OF PENETRATION INTO CONNECTED MEMBER. SEE TYPICAL DETAILS FORFURTHER INFORMATION.
- 12. UNLESS NOTED OTHERWISE, USE SIMPSON CONNECTORS OR EQUIVALENT WHERE REQUIALLNAIL HOLES IN CONNECTORS, INCLUDING STRAPS, TO BE FILLED WITH 6ØX60MM [1/4"ØX2 3/8" GUNNEBO NAILS (ANNULAR RINGED NAILS) OR EQUIVALENT. SUBSTITUTIONS MUST HAVE WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION. SEE TYPICAL DETAILS FOR FURTHER INFORMATION.
- 13. STEEL HARDWARE SHALL BE ASTM A36 OR BETTER AND BOLTS SHALL BE A307, HOT DIPPED GALVANIZED. ALL BOLTS AND LAG BOLTS BEARING AGAINST TIMBER SHALL HAVE STANDARD "CUT" (OVERSIZED) WASHERS UNLESS NOTED OTHERWISE
- 14. IN TRANSITION AREA BETWEEN WOOD ELEMENTS AND CONCRETE OR MASONRY, WOOD ELEMENTS TO BE PROTECTED FROM ASCENDING MOISTURE. PROVIDE LIGHT-GAUGE METAL, ASPHALT-IMPREGNATED BUILDING PAPER, CLOSED-CELL FOAM GASKET MATERIAL, TYPE S ROLL ROOFING, OR 0.1 MM POLYETHYLENE AS A MOISTURE BARRIER. SEE TYPICAL DETAILS FOR FURTHER INFORMATION.
- 15. AT JOINT LOCATIONS BETWEEN WALL TO FLOOR/ROOF PANELS AS WELL AS FLOOR/ROOF TO FLOOR/ROOF PANELS, USE JOINT SEALANT FOR IMPROVED NOISE PERFORMANCE. SEE ARCHITECTURAL DRAWINGS FOR
- 16. RE-TIGHTEN ALL ACCESSIBLE BOLTS AT END OF PROJECT.
- 17. FINISHES SHALL BE DETAILED TO ACCOMMODATE SHRINKAGE/MOVEMENT OF CLT PANELS.

DETAILS.

- 18. NON-LOAD BEARING ELEMENTS TO BE DETAILED TO ACCOMMODATE MOVEMENT / DEFLECTION AS OUTLINED UNDER 'SECONDARY COMPONENTS AND THEIR ATTACHMENTS'.
- 19. CONFIRM SERVICE CHANNELS INCORPORATED IN CLT PANELS WITH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS. ALL CUTS AND DRILLS TO BE SHOWN ON SHOP DRAWINGS AND TO BE APPROVED BY STRUCTURAL ENGINEER
- PRIOR TO FABRICATION. 20. SUBMIT PDF SHOP DRAWINGS SHOWING ALL APPLICABLE DETAILS AND MATERIAL SPECIFICATIONS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL BE ACCOMPANIED BY A CERTIFICATE OF CONFORMANCE TO MANUFACTURING STANDARD AS OUTLINED UNDER NOTED #1.
- 21. AFFIX AUTHORIZED LABEL TO ALL MEMBERS SUPPLIED. ALSO IDENTIFY EACH MEMBER WITH MARK NUMBER.
- 22. SHOP DRAWINGS OF MEMBERS, CONNECTIONS AND COMPONENTS DESIGNED BY THE CONTRACTOR SHALL BE SIGNED AND SEALED BY THE SPECIALTY ENGINEER AND SUBMITTED WITH A STATEMENT OF PRODUCT COMPLIANCE WITH DRAWING SPECIFICATIONS AND STANDARDS.
- 23. ANY CHANGES TO THE FRAMING SHOWN ON THESE DRAWINGS SHALL HAVE PRIOR WRITTEN APPROVAL OF THE STRUCTURAL
- 24. STRUCTURAL ENGINEER MUST COMPLETE FRAMING REVIEW BEFORE FINISHES CAN BE APPLIED TO WOOD FRAMING.
- 25. SIZES ON STRUCTURAL DRAWINGS CAN BE REVISED BY THE CLT SUPPLIER IF THE SPECIALTY ENGINEER DESIGNS THE VARIANCE TO MEET ALL STRUCTURAL, FIRE AND DEMONSTRATION REQUIREMENTS TO THE SATISFACTION OF THE STRUCTURAL ENGINEER AND ARCHITECT.

26. COORDINATE ALL ROOF PENETRATIONS WITH CLT SUPPLIER

- 27. ALL EXPOSED CLT CONNECTIONS SUPPORTING, OR WITHIN FIRE
- RATED ASSEMBLIES TO MEET FRR REQUIREMENTS. SEE ARCHITECT DRAWINGS FOR DETAIL

GLUE-LAMINATED TIMBER: GLULAM (GL)

- 1. ALL WORK TO CSA STANDARD 086 AND REFERENCED DOCUMENTS.
- .. GLULAM MEMBERS SHALL BE DOUGLAS FIR 24F-E (24F-EX FOR CANTILEVER OR CONTINUOUS BEAMS) STRESS GRADE WITH QUALITY APPEARANCE GRADE AND 15% MAX MOISTURE CONTENT. INDUSTRIAL APPEARANCE GRADE MAY BE USED WHERE BEAMS ARE TO BE CONCEALED.
- 3. GLULAM MANUFACTURER MUST QUALIFY UNDER CAN/CSA-O177-M89 (R2003).
- PROVIDE FULL GLULAM PACKAGE WITH POLYURETHANE RESIN (WHITE) ADHESIVE MEETING THE REQUIREMENTS OF ANSI A190.1
- 5. CAMBER SIMPLE SPAN BEAMS 10MM (3/8") PER 3000 (10'-0")
- SUBMIT PDF SHOP DRAWINGS SHOWING ALL APPLICABLE DETAILS AND MATERIAL SPECIFICATIONS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL BE ACCOMPANIED BY A CERTIFICATE OF CONFORMANCE TO MANUFACTURING
- STANDARD AFFIX AUTHORIZED LABEL TO ALL MEMBERS SUPPLIED. ALSO IDENTIFY EACH MEMBER WITH MARK NUMBER.
- STORE GLULAM OFF THE GROUND WITH SPACER BLOCKS PLACED BETWEEN MEMBERS. KEEP WRAPPING ON THE MEMBERS UNTIL PERMANENT PROTECTION FROM THE WEATHER IS IN PLACE BUT CUT HOLES ON UNDERSIDE OF WRAPPING TO PREVENT THE ACCUMULATION OF CONDENSATION.
- . ALL PRESSURE TREATED GLULAM TO BE TREATED ACCORDING TO CAN/CSA-080 SERIES-97 (R2002) "WOOD PRESERVATION." ALL CUTTING AND DRILLING TO BE COMPLETED BEFORE THE TREATMENT. FIELD APPLY PRESERVATIVE TO EQUIVALENT STANDARD, TO ALL AREAS CUT OR DRILLED.
- 10. ALL STRUCTURAL STEEL CONNECTING GLULAM ELEMENTS TO EACH OTHER AND TO SUPPORTING MEMBERS SHALL BE DETAILED, SUPPLIED AND TEST FITTED IN THE SHOP BY THE GLULAM SUPPLIER.
- 11. IN TRANSITION AREA BETWEEN WOOD ELEMENTS AND CONCRETE OR MASONRY, WOOD ELEMENTS TO BE PROTECTED FROM ASCENDING MOISTURE. PROVIDE LIGHT-GUAGE METAL, ASPHALT-IMPREGNATED BUILDING PAPER, CLOSED-CELL FOAM GASKET MATERIAL, TYPE S ROLL ROOFING, OR 0.05 MM PLOYTHYLENE AS A MOISTURE BARRIER.
- 12. FINISH OF CONCEALED MEMBERS: SEE ARCHITECTURAL FOR DETAILS.
- 13. FINISH OF EXPOSED MEMBERS (INTERIOR OR EXTERIOR): SEE ARCHITECTURAL FOR DETAILS.
- 14. RE-TIGHTEN ALL ACCESSIBLE BOLTS AT END OF PROJECT
- 15. SHOP DRAWINGS OF CONNECTIONS AND COMPONENTS DESIGNED BY THE CONTRACTOR SHALL BE SIGNED AND SEALED BY THE SPECIALTY ENGINEER AND SUBMITTED WITH A STATEMENT OF PRODUCT COMPLIANCE WITH DRAWING SPECIFICATIONS AND STANDARDS.

WOOD FRAME FASTENERS

1. THE FOLLOWING PARTIALLY THREADED SELF TAPPING SCREWS ARE ACCEPTABLE, UNLESS SPECIFIED ON STRUCTURAL DRAWINGS: **FASTENER TYPE** MANUFACTURER

SFS INTEC

R4 ™ Multi Purpose Screw GRK FASTENERS RSS STRUCTURAL (IN CLT ONLY) TOPIX (TAPERED

SFS WFC-T

SFS WFR-T

SFS WFD-T

SCREW HEAD UNO)

SCREW HEAD UNO)

SWG (Wurth) ASSY 3.0 SK ASSY 3.0 KOMB SIMPSON SDS SCREWS ARE ONLY ACCEPTABLE WHERE SPECIFICALLY INDICATED ON STRUCTURAL DRAWINGS.

2. THE FOLLOWING FULLY THREADED SELF TAPPING SCREWS ARE ACCEPTABLE, UNLESS SPECIFIED ON STRUCTURAL DRAWINGS. FASTENER TYPE MANUFACTURER

SFS INTEC SFS WT-T SFS WR-T **TOPIX CC** (TAPERED

SWG (WURTH) ASSY PLUS VG 3. SCREW TYPES SPECIFIED ON STRUCTURAL DRAWINGS SUPERSEDE THE INFORMATION ABOVE UNLESS NOTED

4. WHERE PARTIALLY THREADED AND/OR FULLY THREADED SELF TAPPING SCREWS ARE USED IN COMBINATION WITH ARCHITECTURALLY EXPOSED STEEL PLATES, USE SCREWS WITH TAPERED SCREW HEAD UNLESS NOTED OTHERWISE. COUNTERSINK HOLES IN STEEL TO RECEIVE TAPERED SCREW HEADS. DO NOT OVERSIZE HOLES. CONTRACTOR TO SUBMIT SAMPLE OF STEEL PLATE INCLUDING SCREW USED IN ASSEMBLY TO EQUILIBRIUM CONSULTING FOR APPROVAL PRIOR TO MASS FABRICATION.

5. WHERE PARTIALLY THREADED AND/OR FULLY THREADED SELF TAPPING SCREWS ARE USED IN COMBINATION WITH STEEL PLATES NOT EXPOSED TO VIEW. USE SCREWS WITH A HEX HEAD TO ALLOW FOR EASIER AND SAFER INSTALLATION, UNLESS NOTED OTHERWISE. HOLES IN STEEL PLATE TO MATCH THE SCREW TYPE USED. CONTRACTOR TO SUBMIT SAMPLE OF STEEL PLATE INCLUDING SCREW USED IN ASSEMBLY TO EQUILIBRIUM CONSULTING FOR APPROVAL PRIOR TO MASS

WHERE PRE-DRILLING OF SCREWS IS RECOMMENDED BY THE SUPPLIER, HOLE DIAMETER TO BE STRICTLY AS PER MANUFACTURER'S RECOMMENDATIONS.

FABRICATION.

7. ALL OTHER FASTENING SYSTEMS INCLUDING, BUT NOT LIMITED TO, SHERPA CONNECTORS BY HARRER ARE SPECIFIED ON DRAWINGS. REFER ALSO TO WOOD FRAME GENERAL NOTES WHERE APPLICABLE.

8. SEE MANUFACTURE'S SPECIFICATIONS FOR ALL INSTALLATION DETAILS UNLESS NOTED OTHERWISE.

9. ALL FASTENERS TO BE CLEARLY IDENTIFIED ON SHOP DRAWINGS.

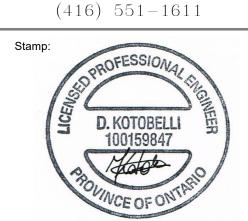


LETT ARCHITECTS INC. 138 Simcoe St. Peterborough ON K9H 2H5 t. 705 743 3311 f. 705 743 0056 studio@lett.ca lett.ca

STRUCTURAL ENGINEERS

920 Alness St suite 205

Toronto, ON M3J 2H7



All dimensions to be checked and verified on site. Do not scale drawings. Any discrepancies are to be reported to the Consultant. All drawings remain the property of the Consultant. Only latest approved drawings to be used for

City of Peterborough

CAMPGROUND GATEHOUSE

BEAVERMEAD

Project North:

construction.

Enter address here True North

Issues / Revisions

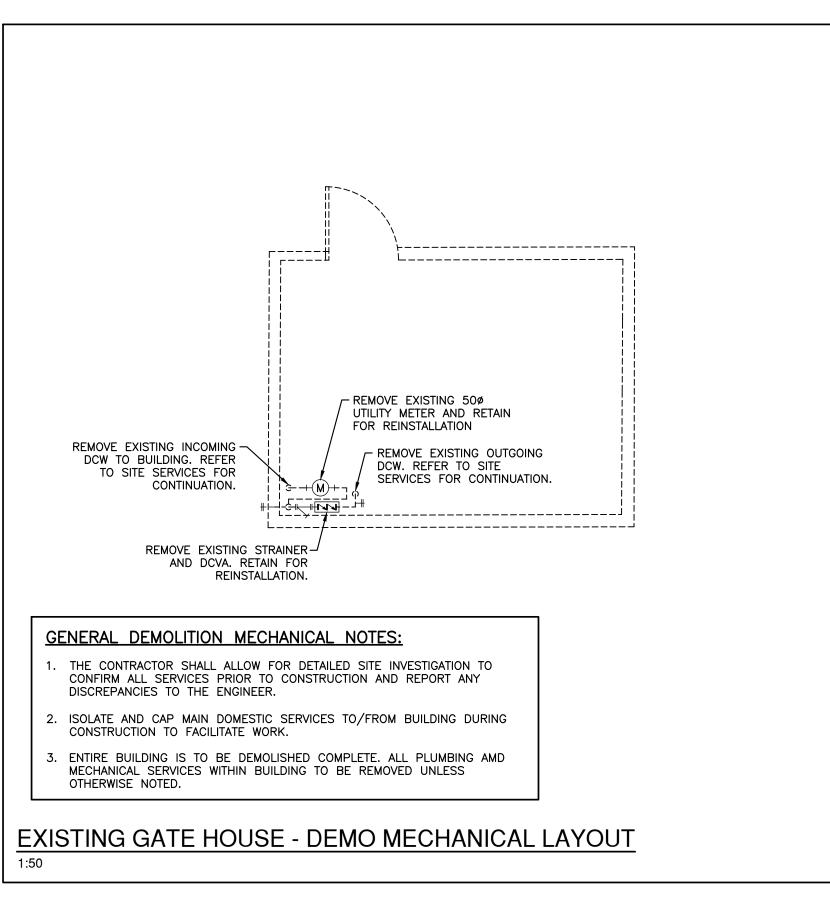
1 ISSUED FOR 75% REVIEW JUL 23 2021 2 ISSUED FOR BUILDING PERMIT AUG 16,202

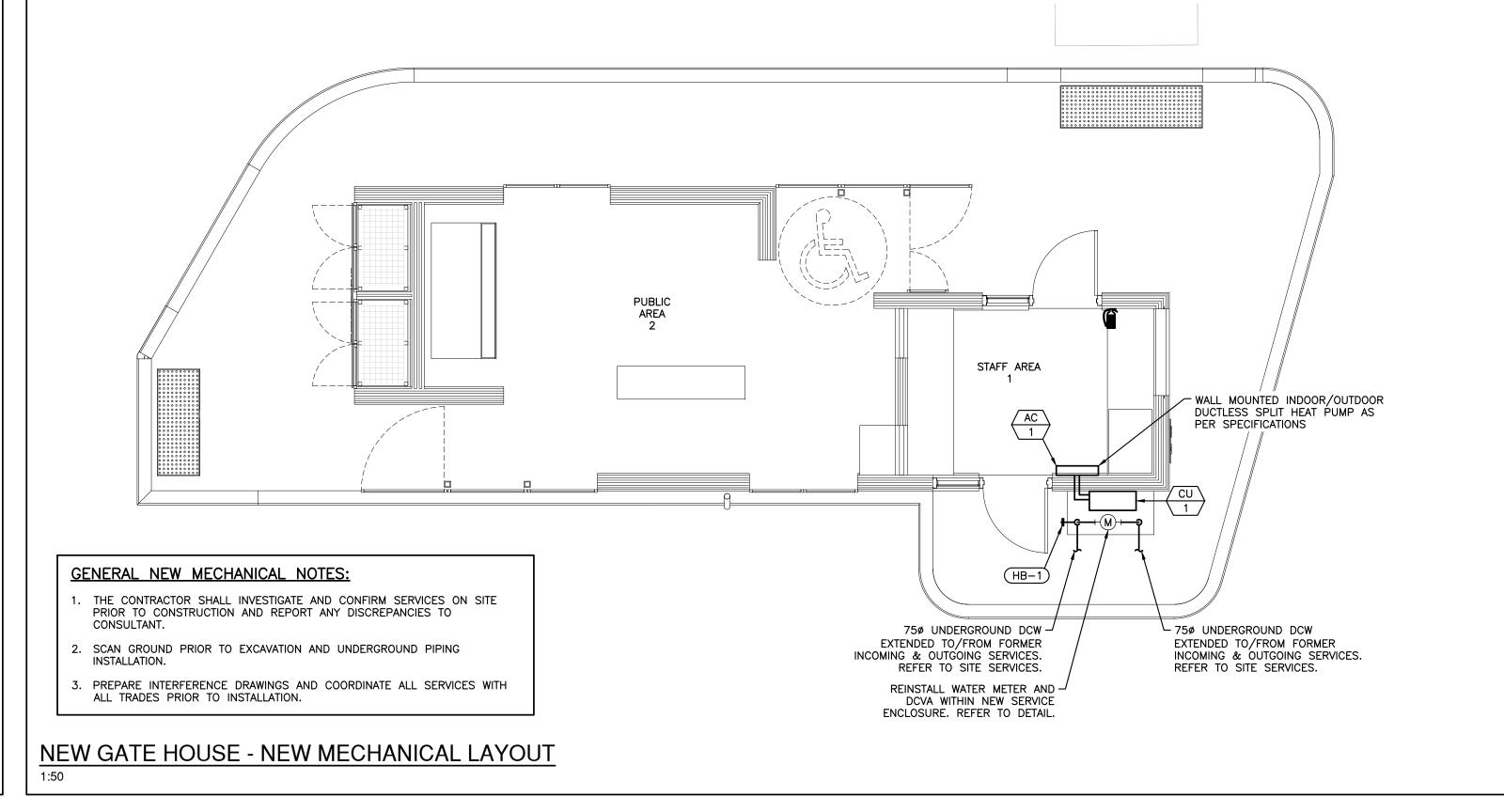
GENERAL NOTES

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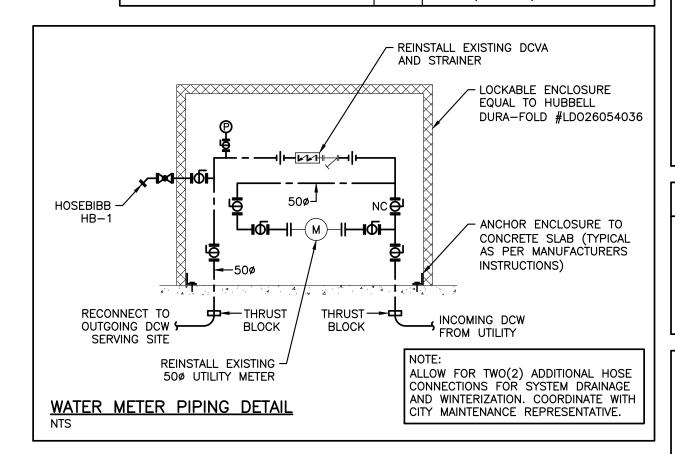
Author





AIR CONDITIONING UNIT SCHEDULE					
TAG		AC-1			
SERVICE		STAFF AREA 1			
MANUFACTURER		DAIKIN			
TYPE		WALL MOUNTED			
MODEL		FTXB09AXVJU			
REFRIGERANT		R410A			
INDOOR COOLING CONDITIONS	•F	80DB/67WB			
OUTDOOR COOLING CONDITIONS	•F	95DB/75WB			
INDOOR HEATING CONDITIONS	•F	70DB/60WB			
OUTDOOR HEATING CONDITIONS	•F	47DB/43WB			
RATED PIPING LENGTH	ft	25			
COOLING CAPACITY	btuh	8,800			
SENSIBLE CAPACITY	btuh	7,677			
HEAT CAPACITY	btuh	9,400			
AIR FLOW	cfm	272-330			
EXTERNAL STATIC PRESSURE	in.w.c	0/0			
GAS PIPE CONNECTION	inches	3/8			
LIQUID PIPE CONNECTION	inches	1/4			
CONDENSATE CONNECTION	inches	3/4			
ELECTRICAL	volt/ph	208-230/1			
INDOOR FAN FLA	amps	0.2			
SOUND PRESSURE LEVEL	dBA	30-42			
UNIT DIMENSIONS	inches	35Wx 11.7Dx 8.25H			
APPROX. WEIGHT	lbs	20			
CONTROLS		-MANUFACTURER SUPPLIED T-STAT/CONTROLLER			
ALTERNATE MANUFACTURERS		CARRIER, FUJITSU, YORK			

TAG		CU-1
SERVICE		AC-1
MANUFACTURER		DAIKIN
TYPE		WALL MOUNTED HEAT PUMP
MODEL		RXB09AXVJU
REFRIGERANT		R410A
INDOOR COOLING CONDITIONS (DB/WB)	•F	80/67
OUTDOOR COOLING CONDITIONS (DB/WB)	•F	95/75
INDOOR HEATING CONDITIONS (DB/WB)	•F	70/60
OUTDOOR HEATING CONDITIONS (DB/WB)	•F	47/43
RATED PIPING LENGTH	ft	25
RATED COOLING CAPACITY	btuh	8,800
COOLING SEER		17
RATED HEATING CAPACITY	btuh	9,400
HEATING COP		3.56
AIRFLOW RATE	cfm	900
ELECTRICAL		208-230/1
GAS PIPE CONNECTION	inches	3/8
LIQUID PIPE CONNECTION	inches	1/4
MCA	amps	7.0
MOCP		15
SOUND PRESSURE LEVEL	dBA	46
UNIT DIMENSIONS	inches	28Wx 21.5Dx 11.5H
APPROX. WEIGHT	lbs	53
MAX TOTAL PIPE LENGTH	feet	65
MAX VERTICAL PIPE LENGTH	feet	32
CONTROLS		-MANUFACTURER SUPPLIED T-STAT/CONTROLLER
ACCESSORIES		-INVERTER COMPRESSOR -WALL BRACKETS
ALTERNATE MANUFACTURERS		CARRIER, FUJITSU, YORK



PLUMBING AND HVAC NOTES:

- PROVIDE ALL TRENCHING, EXCAVATING AND BACKFILL FOR UNDERGROUND PLUMBING WITHIN 1.5m OF BUILDING.
- . INSULATE ALL NEW DOMESTIC COLD WATER PIPING WITH 1"(25mm) INSULATION. PROVIDE PVC JACKET OVER INSULATION.
- 3. ALL NEW HOSE BIBBS TO BE COMPLETE WITH VACUUM BREAKERS.
- PROVIDE SLEEVES FOR PIPES THROUGH CONCRETE SLAB. FILL VOIDS
- . PROVIDE CONDENSATE DRAINS C/W TRAPS FOR NEW INDOOR AIR

AROUND PIPES. ENSURE NO CONTACT BETWEEN DISSIMILAR METALS.

- CONDITIONING EQUIPMENT AND RUN OUTSIDE TO GRADE.
- 6. LABEL ALL PIPING COMPLETE WITH SERVICE AND FLOW ARROWS. PROVIDE ACCESS DOORS WHERE REQUIRED AND TURN OVER TO GENERAL
- CONTRACTOR FOR INSTALLATION. B. PERFORM DOMESTIC WATER QUALITY TEST AFTER ALL NEW PLUMBING WORK. SUBMIT CERTIFICATE OF ANALYSIS FROM CERTIFIED TESTING AGENCY

TO CONSULTANT AND INCLUSION IN CLOSEOUT DOCUMENTATION.

PLUMBING SPECIFICATIONS:

- ALL PLUMBING PRODUCTS SHALL BE "LEAD-FREE" CERTIFIED TO ANSI/NSF
- 2. ALL NEW ABOVE GROUND WATER PIPING SHALL BE TYPE 'L' HARD COPPER WITH SOLDER JOINTS.
- 3. ALL NEW UNDERGROUND WATER PIPING SHALL BE COPPER TYPE 'K'.
- .1 2" AND UNDER: BALL VALVE. .2 2-1/2" AND OVER: LUG TYPE BUTTERFLY VALVES.
- . BALL VALVES SHALL BE LEAD FREE WITH SOLDERED OR THREADED ENDS. BALL VALVES SHALL BE EQUAL TO KITZ #858 & #859. ALL VALVES SHALL
- . PRESSURE GAUGES SHALL BE EQUAL TO WINTERS MODEL PEM-LF, NSF-61-372 LEAD-FREE CERTIFIED, CRN REGISTERED WITH BACK OR BOTTOM CONNECTION TO SUIT INSTALLATION.
- .1 EXTERNAL PIPE INSULATION SHALL BE RIGID, SECTIONAL FIBERGLASS
- TYPE AND BE COMPLETE WITH FACTORY APPLIED ALL PURPOSE VAPOUR BARRIER. PRE-FORMED INSULATION SHALL BE USED AT PIPE FITTINGS, VALVES, ETC. PROVIDE NON-CRUSHING INSULATION AT ALL PIPE HANGERS AND PROVIDE SADDLES. .2 INSULATION THICKNESS 1"(25mm)
- 8. RE-TEST ALL BACKFLOW PREVENTERS AND SUBMIT "CROSS CONNECTION
- REPORT" TO CONSULTANT.

PLUMBING FIXTURE SCHEDULE

HB - HOSE BIBB C/W VACUUM BREAKER

Acorn #8121-SSLFCR Hydrant - with flange, stainless steel lead free and atmospheric vacuum breaker. Hose valve, replaceable cartridge, rough chrome plated finish, brass body, vandal—resistant lock shield bonnet, removable wheel handle. 3/4 % (19 mm) NPT female inlet, 3/4 % (19 mm) male hose thread outlet.

HVAC MATERIAL SPECIFICATIONS:

- REFRIGERATION PIPING: TYPE 'K' RIGID.
- PROVIDE P-TRAP AT UNIT, SHUT OFF VALVE, FILTER DRYER, REPLACEMENT CARTRIDGE AND TYPE, AND SIGHT GLASS AT THE CONDENSER. MAKE OIL ADJUSTMENT AS REQUIRED TO SUIT LENGTH
- OF REFRIGERATION PIPING. .3 FOR REFRIGERATION SYSTEMS LARGER THAN 5 TONS OF COOLING CONTRACTOR SHALL SUPPLY A TSSA CERTIFICATE ON COMPLETION OF
- INSTALLATION AND PROVIDE TO CONSULTANT. .4 PROVIDE 1"(25mm) INSULATION ON ALL INDOOR & OUTDOOR REFRIGERATION PIPING. SUCTION AND LIQUID LINES SHALL BOTH BE
- INSULATED OUTSIDE OF BUILDING. .5 PROVIDE UV RESISTANT ALUMINUM JACKET ON OUTDOOR REFRIGERATION PIPING EQUAL TO "3M VENTURECLAD".

GENERAL NOTES:

- THE CONTRACTOR AND ITS SUB-TRADES SHALL ATTEND BI-WEEKLY SITE MEETINGS OR AS ARRANGED BY CONSULTANT OR OWNER.
- OBTAIN AND REVIEW THE DESIGNATED SUBSTANCE REPORT FROM THE CLIENT AND COORDINATE ANY DESIGNATED SUBSTANCE ISSUES WITH THE CLIENT PRIOR TO ANY WORK BEING DONE.

1. OBTAIN, ARRANGE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.

- PROVIDE SHOP DRAWINGS ELECTRONICALLY IN PDF FORMAT FOR REVIEW. ALL SHOP DRAWINGS MUST BE REVIEWED, STAMPED AND SIGNED BY THE MECHANICAL CONTRACTOR PRIOR TO SUBMITTING TO THE CONSULTANT. REVIEW SHALL INCLUDE BUT NOT BE LIMITED TO: VERIFYING UNIT VOLTAGE WITH ELECTRICIAN AND/OR SITE. EQUIPMENT PERFORMANCE, DIMENSIONS AND CLEARANCES. SUBMIT SHOP DRAWINGS ELECTRONICALLY TO ARCHITECT/CONTRACT ADMINISTRATOR WITH COPIES TO OWNER AND INFO@DURHAMENERGY.COM.
- 5. THOROUGHLY REVIEW AND COORDINATE WITH SITE CONDITIONS AND COMPLETE DRAWING SET PRIOR TO PRICING AND INSTALLATION.
- INSTALL ALL WORK IN CONFORMANCE WITH MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.
- DO NOT USE ANY NEW PERMANENT EQUIPMENT FOR TEMPORARY USE DURING CONSTRUCTION WITHOUT WRITTEN APPROVAL. WHERE SYSTEMS ARE USED AND ARE CONTAMINATED BY DUST OR DIRT, THE CONTRACTOR SHALL CLEAN IN A MANNER ACCEPTABLE TO THE CONSULTANT.
- MAINTAIN AS-BUILT DRAWINGS ON AN ON-GOING BASIS. DRAWINGS SHALL BE AVAILABLE FOR PERIODIC REVIEW BY THE CONSULTANT DURING CONSTRUCTION.
- 9. ALL WORK SHALL COMPLY WITH APPLICABLE CODES.
- 10. REMOVE ALL REDUNDANT EQUIPMENT, MATERIALS AND GARBAGE FROM SITE AND DISPOSE OF IN AN APPROVED MANNER. REDUNDANT EQUIPMENT AND MATERIALS SHALL NOT BE ABANDONED IN PLACE.
- 11. TRENCHING, EXCAVATION AND BACKFILL FOR UNDERGROUND PLUMBING WITHIN 1.5m OF BUILDING SHALL BE BY THIS CONTRACTOR.
- 12. MAINTAIN REQUIRED ACCESS AND CLEARANCE TO ALL EQUIPMENT AND SYSTEMS AS REQUIRED BY CODE AND AS PER MANUFACTURER'S REQUIREMENTS.
- 13. TAG ALL EQUIPMENT WITH LAMACOID NAMEPLATES. TAG ALL VALVES WITH LAMACOID NAMEPLATES OR BRASS TAGS ON CHAINS.
- 14. THE CONTRACTOR SHALL ARRANGE FOR ROUGH-IN INSPECTIONS BY THE ENGINEER PRIOR TO INSULATING OR CONCEALING ANYTHING. WHERE THIS HAS NOT BEEN ARRANGED IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXPOSE SERVICES FOR INSPECTION AT THE DIRECTION OF THE CONSULTANT.
- 15. PERFORM TESTING AND START UP OF ALL SYSTEMS AS REQUIRED BY CODE, THE CONSULTANT, MANUFACTURER'S REQUIREMENTS, AND AUTHORITIES HAVING JURISDICTION. SUBMIT REPORTS TO THE CONSULTANT.
- 6. INSTRUCT AND DEMONSTRATE TO THE OWNER ON PROPER OPERATION OF THE SYSTEM. RECORD AND SUBMIT A LOG DATED AND SIGNED BY ALL ATTENDEES.
- '. UPON COMPLETION OF THE PROJECT THE CONSULTANT WILL DO A FINAL REVIEW. UPON RECEIVING THE FINAL INSPECTION REPORT, THE CONTRACTOR MUST CORRECT AND SIGN BACK THE INSPECTION REPORT INDICATING ALL DEFICIENCIES ARE COMPLETED. A RE-INSPECTION WILL ONLY BE DONE ONCE THE CONSULTANT RECEIVES THIS IN WRITING. WHERE THE CONSULTANT PERFORMS THE RE-INSPECTION AND THE WORK IS NOT COMPLETE, THE CONTRACTOR IS RESPONSIBLE FOR REIMBURSING THE CONSULTANT FOR THE FIELD REVIEW. THE FEE FOR ADDITIONAL REVIEWS WILL BE AT THE CONSULTANT'S HOURLY RATES PLUS MILEAGE AND APPLICABLE TAXES TO BE PAID DIRECTLY TO THE CONSULTANT PRIOR TO PERFORMING THE NEXT FIELD
- 18. PROVIDE ONE (1) YEAR WARRANTY ON ALL MATERIAL AND LABOUR FROM THE DATE OF SUBSTANTIAL COMPLETION.
- 19. PROGRESS DRAWS SHALL INCLUDE MINIMUM \$1,000.00 FOR MANUALS AND AS-BUILT DRAWINGS. TOTAL AMOUNT SHALL REMAIN UNBILLED UNTIL MANUALS AND AS-BUILT DRAWINGS HAVE BEEN SUBMITTED AND APPROVED.
- 20. PROVIDE ELECTRONIC COPY OF CLOSE-OUT DOCUMENTS IN PDF FORMAT, ORGANIZED INTO CLICKABLE TABLE OF CONTENTS AND FOLDERS INCLUDING, WARRANTY LETTER, SHOP DRAWINGS, O&Ms, BALANCE REPORT, AND AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL INCLUDE COMPLETE DRAWING SET WITH ANY CHANGES MARKED CLEARLY AND NEATLY IN COLOUR. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND SUBMISSION PROCESS.

MECHANICAL LEGEND					
	NEW				
	EXISTING				
	DEMOLITION				
	DOMESTIC COLD WATER (DCW)				
UG	DOMESTIC WATER UNDERGROUND (UG)				
—D—D—	CONDENSATE DRAIN LINE				
——R——R——	REFRIGERATION LINE				
Ű	FIRE EXTINGUISHER C/W WALL BRACKET (5LB OR 10LB AS INDICATED)				
-	HOSEBIBB (HB)				
WC-1	FIXTURE TAG				
TYPE	EQUIPMENT TYPE OF EQUIPMENT TAG NUMBER DESIGNATION				
-	ELBOW RISING				
— ∍	ELBOW DROPPING				
	BRANCH RISING FROM TEE				
	BRANCH DROPPING FROM TEE				
ΙΦΊ	SHUT-OFF BALL VALVE				
M	GLOBE VALVE				
N	CHECK VALVE				
И	REDUCER				
7	STRAINER				
ıļı	UNION				
11	FLANGE				

PRESSURE GAUGE WITH PETCOCK



LETT ARCHITECTS INC. 138 Simcoe St. | Peterborough | Ol K9H 2H5

. 705 743 3311 | f. 705 743 0056

Consultant:

DURHAM ENERGY DES SPECIALIST LIMITED

studio@lett.ca | lett.ca

PH:(905)430-7151 FAX:(905)430-7154 106-209 DUNDAS STREET EAST, WHITBY ONTARIO info@durhamenergy.com / www.durhamenergy.com

DES JOB No.: 21-509 DRAWING SIZE: I

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City of Peterborough

BEAVERMEAD CAMPGROUND **GATEHOUSE**

ON K9L 1P8

construction.



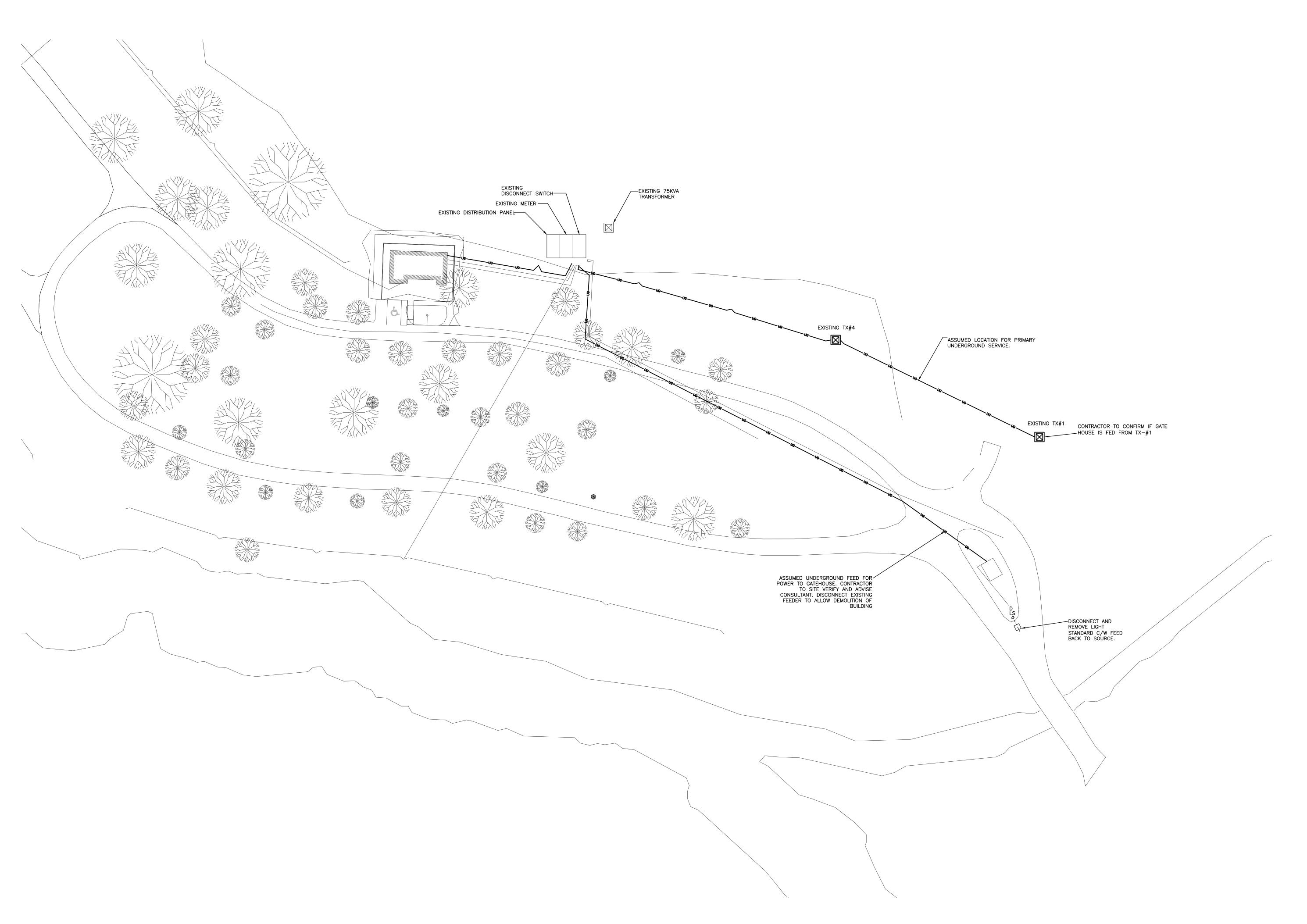
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	Revisions	Date
	Issued for Final Review	07/27/21
	Issued for Permit	07/29/21
	Issued for Tender	08/05/21
	Issued for Permit	08/11/21
	Issued for Tender	08/18/21

Drawing Title:

DEMO & NEW MECHANICAL

As Noted

August 2021





LETT ARCHITECTS INC. 138 Simcoe St. | Peterborough | ON K9H 2H5

t. 705 743 3311 | f. 705 743 0056 studio@lett.ca | lett.ca

DES DURHAM ENERGY SPECIALIST LIMITED

PH:(905)430-7151 FAX:(905)430-7154
106-209 DUNDAS STREET EAST, WHITBY ONTARIO
info@durhamenergy.com / www.durhamenergy.com

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City of Peterborough BEAVERMEAD

CAMPGROUND GATEHOUSE

Peterborough, ON K9L 1P8



1 Issued for Final Review
2 Issued for Permit
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4 Issued for Permit 5 Issued for Tender

Drawing Title :

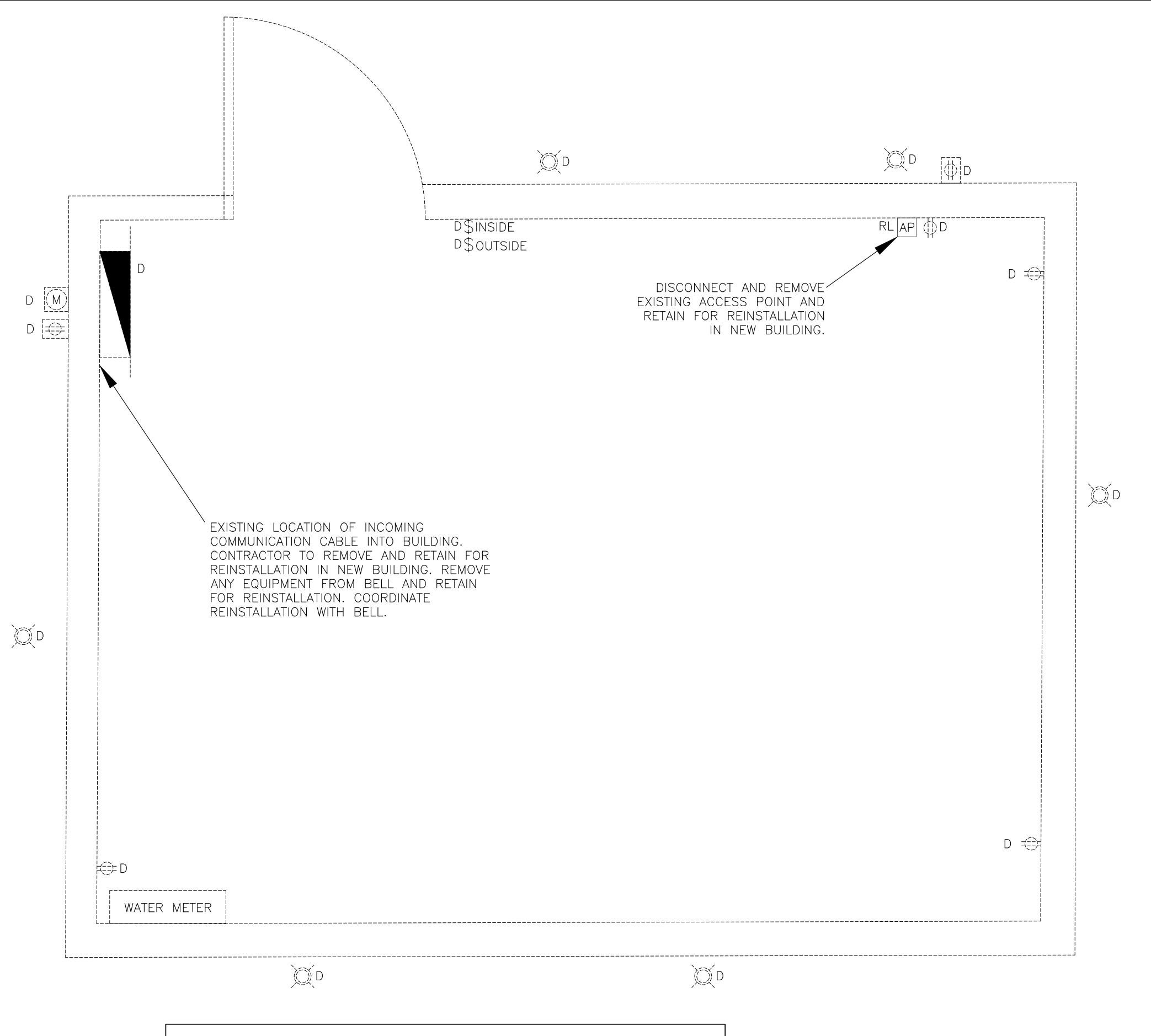
SITE PLAN

1:400

August 2021

.. 20-120

rawn by: RJC



DEMOLITION NOTES:

1. ENTIRE BUILDING TO BE DEMOLISHED. ALL DEVICES TO BE REMOVED AND DISPOSED OF PROPERLY UNLESS OTHERWISE NOTED.



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t. 705 743 3311 | f. 705 743 0056 studio@lett.ca | lett.ca

Consultant:

DES DURHAM ENERGY SPECIALIST LIMITED

CONSULTING ENGINEERS

PH:(905)430-7151 FAX:(905)430-7154

106-209 DUNDAS STREET EAST, WHITBY ONTARIO info@durhamenergy.com / www.durhamenergy.com

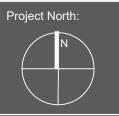
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BEAVERMEAD CAMPGROUND GATEHOUSE

Peterborough, ON K9L 1P8



 Issues

 No.
 Revisions
 Day

 1
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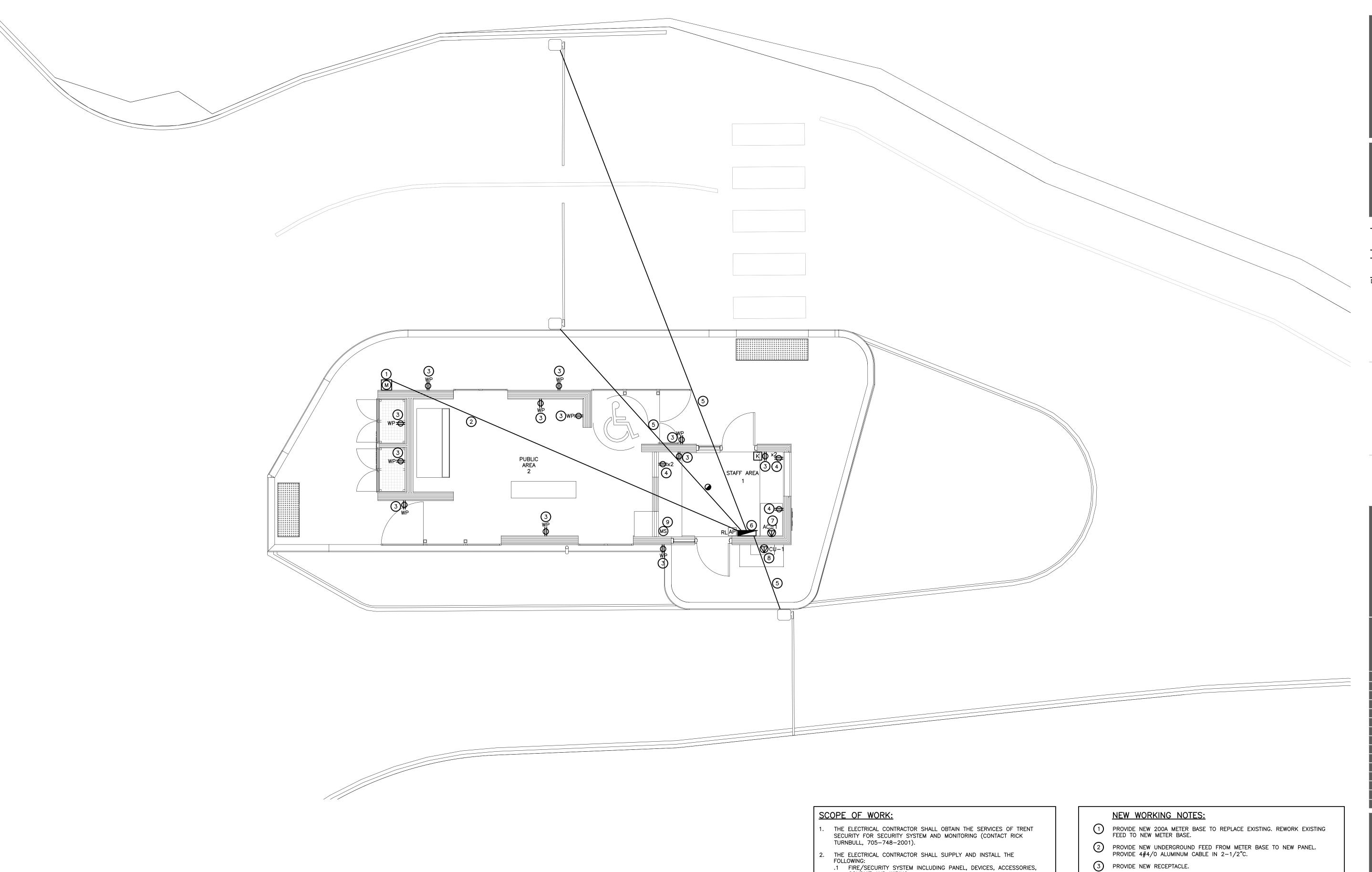
EXISTING GATE
HOUSE DEMO
POWER/LIGHTING
FLOOR PLAN

Scale: 1:10

August 2021

Drawn by:

wing No.:



- CONDUIT AND WIRING.
- .2 ALL NEW LOCKABLE BREAKERS FOR FIRE/SECURITY ALARM SYSTEM. PAINT BREAKER RED FOR FIRE/SECURITY ALARM SYSTEM.
- .3 POWER FOR THE FIRE/SECURITY ALARM PANEL AND ANY ACCESSORIES.
- 3. SUPPLY AND INSTALL FIRE/SECURITY PANEL, DEVICES AND ALL ACCESSORIES INCLUDING BUT NOT LIMITED TO:
- .1 FIRE/SECURITY ALARM PANEL: DSC "POWERSERIES NEO" SECURITY CONTROL PANEL MODEL HS2016
- .2 KEY PAD: DSC "POWERSERIES NEO" HARDWIRED LCD KEYPAD WITH
- BUILT-IN POWERG TRANSCEIVER MODEL HS2LCD .3 CELLULAR ALARM COMMUNICATOR: DSC "POWERSERIES NEO" MODEL
- .4 BATTERY AND TRANSFORMER .5 HEAT DETECTORS C/W WIRE GUARDS SUITABLE FOR COLD
- CONDITIONS $(-20^{\circ}\text{F}/-30^{\circ}\text{C})$. 6 ALL FIRE ALARM WIRE AND HARDWARE INCLUDING TERMINATIONS.
- 4. OBTAIN THE SERVICES OF TRENT SECURITY FOR CONNECTION AND SETUP OF MONITORING WITH THE CITY OF PETERBOROUGH.
- 5. PERFORM ALL TESTING OF FIRE/SECUIRTY SYSTEM AND SUBMIT REPORT.

- PROVIDE NEW RECEPTACLE. MOUNT RECEPTACLE ABOVE COUNTER. APPROXIMATELY 40" AFF. COORDINATE WITH GENERAL CONTRACTOR.
- 5 PROVIDE 1-1/2"C FROM FUTURE PEDESTALS TO NEW PANEL LOCATION FOR FUTURE WIRING.
- 6 PROVIDE NEW 200A SERVICE ENTRANCE RATED PANEL. REFER TO PANEL SCHEDULE. PROVIDE NEW GROUND PLATE COMPLETE WITH 3/0 COPPER GROUND CONNECTION.
- 7 PROVIDE POWER TO NEW AC UNIT. FED FROM CONDENSING UNIT MOUNTED OUTSIDE.
- 8 PROVIDE POWER TO NEW CONDENSING UNIT C/W WEATHERPROOF DISCONNECT. COORDINATE WITH MECHANICAL CONTRACTOR.
- 9 PROVIDE NEW MOTION SENSOR AND TIE INTO NEW SECURITY PANEL.



LETT ARCHITECTS INC. 138 Simcoe St. | Peterborough | ON K9H 2H5

t. 705 743 3311 | f. 705 743 0056 studio@lett.ca | lett.ca

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DES DURHAM ENERGY SPECIALIST LIMITED

PH:(905)430-7151 FAX:(905)430-7154

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BEAVERMEAD CAMPGROUND GATEHOUSE

Peterborough, ON K9L 1P8



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2 Issued for Permit 3 Issued for Tender 4 Issued for Permit 5 Issued for Tender

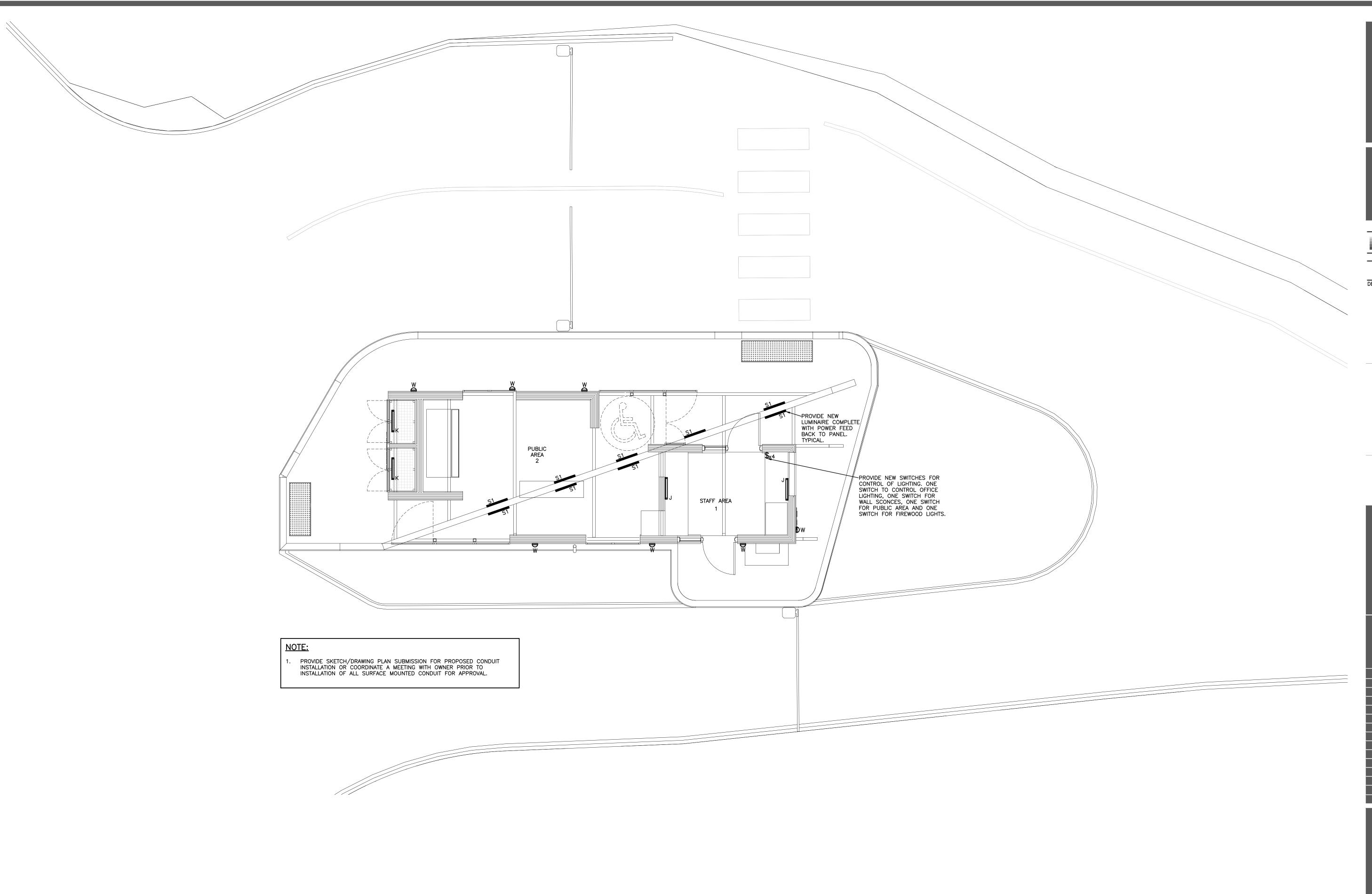
Drawing Title :

NEW POWER GROUND FLOOR PLAN

1:50

August 2021 .. 20-120

rawn by: RJC





LETT ARCHITECTS INC. 138 Simcoe St. | Peterborough | ON K9H 2H5

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4 Issued for Permit

Drawing Title :

NEW LIGHTING GROUND FLOOR PLAN

1:50

August 2021

.: 20-120 rawn by: RJC

NEW PANEL

200A, 24 CIRCUIT, 1¢, 3W, 120/240 VOLT SURFACE MOUNTED BOLT-ON CIRCUIT BREAKER PANEL BOARD WITH COPPER BUS AND MAIN BREAKER. SERVICE ENTRANCE RATED.

DESCRIPTION	BKR	ССТ	S/N	ССТ	BKR	DESCRIPTION
LIGHTS	15A	1	+	2	15A	RECEPTACLE
HTR. RECEPTACLE	15A	3	•	4	15A	RECEPTACLE
SPARE	15A	5	•	6	15A	PHONE BOOTH
OUTSIDE POLE LIGHT	15A	7/	•	8	15A	CORD
OUTSIDE FOLE LIGHT	2P	9		10/	15A	CU-1
RECEPTACLES	15A	11	+	12	2P	00-1
RECEPTACLES	15A	13	+	14	15A	SPARE
		15	+	16		
		17	+	18		
		19	+	20		
		21		22		
		23	+	24		

- THOROUGHLY REVIEW AND COORDINATE WITH SITE CONDITIONS AND COMPLETE DRAWING SET PRIOR TO PRICING AND INSTALLATION.
- 2. OBTAIN, ARRANGE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.
- 3. THE ELECTRICAL CONTRACTOR AND SUB-TRADES SHALL ATTEND ALL SITE MEETINGS UNLESS OTHERWISE APPROVED.
- 4. PROVIDE ELECTRONIC SHOP DRAWINGS IN PDF FORMAT TO CONSULTANT FOR REVIEW. ALL SHOP DRAWINGS MUST BE REVIEWED, STAMPED AND SIGNED BY THE ELECTRICAL CONTRACTOR PRIOR TO SUBMITTING TO THE CONSULTANT. REVIEW SHALL INCLUDE, BUT NOT LIMITED TO, VERIFYING VOLTAGE, RATING, DIMENSIONS AND CLEARANCES. SUBMIT SHOP DRAWINGS ELECTRONICALLY TO ARCHITECT/CONTRACT ADMINISTRATOR WITH COPIES TO OWNER AND INFO@DURHAMENERGY.COM.
- 5. INSTALL ALL WORK IN CONFORMANCE WITH MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.
- 6. MAINTAIN RECORD DRAWINGS ON AN ON-GOING BASIS. DRAWINGS SHALL BE AVAILABLE FOR PERIODIC REVIEW BY THE CONSULTANT DURING CONSTRUCTION
- 7. ALL WORK SHALL COMPLY WITH APPLICABLE CODES.

GENERAL NOTES:

- 8. REMOVE ALL REDUNDANT EQUIPMENT AND MATERIALS FROM SITE AND DISPOSE OF IN AN APPROVED MANNER. REDUNDANT EQUIPMENT AND MATERIALS SHALL NOT BE ABANDONED IN PLACE.
- 9. ALL CUTTING, CORING AND PATCHING SHALL BE BY THIS CONTRACTOR. COORDINATE PATCHING WITH GENERAL CONTRACTOR.
- 10. MAINTAIN REQUIRED ACCESS AND CLEARANCE TO ALL EQUIPMENT AND SYSTEMS AS REQUIRED BY CODE AND AS PER MANUFACTURER'S
- 11. TAG ALL EQUIPMENT (INCLUDING MECHANICAL EQUIPMENT), EQUIPMENT DISCONNECTS/STARTERS AND PANELS WITH LAMACOID NAMEPLATES. PANEL NAMEPLATE SHALL STATE PANEL DESIGNATION, VOLTAGE, AMPERAGE AND SOURCE OF FEEDER. EQUIPMENT SHALL STATE PANEL AND CIRCUIT NUMBER. PROVIDE TYPED PANEL SCHEDULES IN ALL PANELS. CONFIRM WITH CONSULTANT IF UNCLEAR.
- 12. LABEL ALL RECEPTACLES AND JUNCTION BOXES WITH PANEL AND CIRCUIT NUMBER. USE BLACK MARKER ON CONCEALED JUNCTION BOXES AND CLEAR ADHESIVE LABELS WITH BLACK WRITING ON RECEPTACLES. PAINT ALL JUNCTION BOXES RED FOR FIRE ALARM.
- 13. THE CONTRACTOR SHALL ARRANGE FOR FIELD REVIEWS BY THE CONSULTANT PRIOR TO CEILINGS AND WALLS BEING CLOSED IN. WHERE THIS HAS NOT BEEN ARRANGED IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE CEILING TILES OR ACCESS DOORS FOR REVIEW AT THE DIRECTION OF THE CONSULTANT.
- 14. PERFORM TESTING OF ALL SYSTEMS AS REQUIRED BY CODE AND THE CONSULTANT.
- 15. ASSIST WITH START-UP AND COMMISSIONING OF ALL SYSTEMS AS REQUIRED.
- 16. INSTRUCT AND TRAIN THE OWNER ON PROPER OPERATION OF THE SYSTEM.
- 17. UPON COMPLETION OF THE PROJECT THE CONSULTANT WILL DO A FINAL REVIEW. UPON RECEIVING THE FINAL INSPECTION REPORT, THE CONTRACTOR MUST CORRECT AND SIGN BACK THE INSPECTION REPORT INDICATED ALL DEFICIENCIES ARE COMPLETED. A RE—INSPECTION WILL ONLY BE DONE ONCE THE CONSULTANT RECEIVES THIS IN WRITING. WHERE THE CONSULTANT PERFORMS THE RE—INSPECTION AND THE WORK IS NOT COMPLETE, THE CONTRACTOR IS RESPONSIBLE FOR REIMBURSING THE CONSULTANT FOR THE FIELD REVIEW. THE FEE FOR ADDITIONAL REVIEWS WILL BE AT THE CONSULTANT'S HOURLY RATES PLUS MILEAGE AND APPLICABLE TAXES TO BE PAID DIRECTLY TO THE CONSULTANT PRIOR TO PERFORMING THE NEXT FIELD REVIEW.
- 18. PROVIDE ONE (1) YEAR WARRANTY ON ALL MATERIAL AND LABOUR FROM THE DATE OF SUBSTANTIAL COMPLETION.
- 19. PROGRESS DRAWS SHALL INCLUDE MINIMUM \$1,000.00 FOR MANUALS AND AS—BUILT DRAWINGS. TOTAL AMOUNT SHALL REMAIN UNBILLED UNTIL MANUALS AND AS—BUILT DRAWINGS HAVE BEEN SUBMITTED AND APPROVED AND UNTIL ALL DES FIELD REVIEW REPORTS HAVE BEEN SIGNED AND RETURNED TO DES ALONG WITH PICTURES AS REQUESTED BY CONSULTANT.
- 20. PROVIDE ONE(1) COPY VIA EMAIL IN PDF FORMAT ORGANIZED INTO A CLICKABLE TABLE OF CONTENTS AND FOLDERS INCLUDING, WARRANTY LETTER, ESA CERTIFICATE OF CLEARANCE, AND AS BUILT DRAWINGS. AS BUILT DRAWINGS SHALL INCLUDE COMPLETE SET WITH ANY CHANGES MARKED CLEARLY AND NEATLY IN COLOUR. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND SUBMISSION PROCESS. SUBSTANTIAL COMPLETION WILL NOT BE AWARDED UNTIL THIS INFORMATION IS SUBMITTED TO THE CONSULTANT AND THE CONSULTANT HAS APPROVED.

EMT vs. LIQUIDTIGHT vs. FLEXIBLE CABLE

EMT (ELECTRICAL METALLIC TUBING) MUST BE USED IN THE FOLLOWING INDOOR

- 1. ALL EXPOSED AREAS (USE WIREMOLD ON EXPOSED WALLS IN FINISHED AREAS WHERE EXPOSED WIRING HAS BEEN APPROVED. EQUAL TO LEGRAND 700WH, COORDINATE COLOUR WITH OWNER PRIOR TO ORDERING).
- 2. VERTICAL DROPS TO DEVICES IN NEW WALLS (I.E. SWITCHES RECEPTACLES, DATA/VOICE.)

LIQUIDTIGHT MUST BE USED IN THE FOLLOWING INDOOR AND OUTDOOR APPLICATIONS:

- 1. LAST 5' (1.5m) FOR FINAL CONNECTION TO INDOOR MECHANICAL EQUIPMENT. LIQUID TIGHT CONDUIT IN CEILING SPACE MUST BE PLENUM RATED.
- 2. ALL OUTDOOR WIRING.
- FLEXIBLE CABLE IS ONLY ACCEPTABLE IN THE FOLLOWING INDOOR APPLICATIONS:
- 1. LAST 5' (1.5m) FOR FINAL CONNECTION TO LIGHTING AND SMALL EQUIPMENT/COMPONENTS IN CEILING SPACES. DAISY CHAIN OF LUMINAIRES IS NOT ALLOWED.
- 2. LAST 5'(1,5m) FOR FINAL CONNECTION TO MECHANICAL EQUIPMENT LOCATED IN CEILING SPACE OR ON ROOF.
- 3. FISHED DOWN IN EXISTING WALL(S). FLEXIBLE CABLE IN NOT PERMITTED IN NEW WALL(S).

ELECTRICAL NOTES:

- . PROVIDE GROUND ELECTRODE AS PER ESA REQUIREMENTS.
- 2. ALL WORK SHALL CONFORM TO ESA REQUIREMENTS.
- 3. BOND ALL METALLIC WATER, DRAIN AND GAS PIPING AS PER ESA
- PROVIDE JUNCTION BOXES C/W COVERPLATES AS REQUIRED.
 COORDINATE INSTALLATION WITH ALL OTHER TRADES.

BASED ON THE NUMBER OF CONDUCTORS.

- 6. ALL PANEL BOARDS SHALL BE COMPLETE WITH HINGED DOORS.
- 7. ALL DISTRIBUTION EQUIPMENT SHALL HAVE COPPER BUS UNLESS OTHERWISE NOTED. ALUMINUM BUS WILL NOT BE ACCEPTED.
- 8. REFER TO "EMT (ELECTRICAL METALLIC TUBING) vs. LIQUIDTIGHT vs. FLEXIBLE CABLE" FOR ACCEPTABLE USE OF EACH.
- 9. PROVIDE SKETCH/DRAWING PLAN SUBMISSION FOR PROPOSED CONDUIT INSTALLATION OR COORDINATE A MEETING WITH OWNER PRIOR TO
- INSTALLATION OF ALL SURFACE MOUNTED CONDUIT FOR APPROVAL.

 10. EMT AND BOXES SHALL BE SIZED ACCORDING TO CODE REQUIREMENT
- 11. FOR EMT AND/OR CONDUITS BENDS GREATER THAN OR EQUAL TO 270°, A PULL BOX MUST BE PROVIDED.
- 12. ALL EMT (ELECTRICAL METALLIC TUBING) SHALL BE FIRMLY FASTENED IN PLACE SO AS TO SUPPORT THE WEIGHT OF CONDUIT AND TO PREVENT ANY STRAIN OR STRESS AT TERMINATIONS ACCORDING TO ELECTRICAL CODE 12-1010
- 3. MOUNTING HEIGHTS

 .1 MOUNT NEW CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO, OPERATORS, LIGHT SWITCHES OR SWITCH PLATE OCCUPANCY SENSORS NO LESS THAN 36" (900mm) A.F.F TO BOTTOM OF BOX AND 43"(1100mm) MAXIMUM A.F.F TO TOP OF BOX. UNLESS OTHERWISE
- .2 MOUNT NEW RECEPTACLES 16" (400mm) A.F.F. UNLESS OTHERWISE NOTED.
- 14. RECEPTACLES LOCATED WITHIN 5'(1.5m) OF A DAMP OR WET LOCATION

.3 THERMOSTATS TO BE MOUNTED 47"(1200mm).

SHALL BE GROUND FAULI CIRCUIT INTERRUPTER TYPE

- 15. CONTRACTOR TO ALLOW FOR THE RELOCATION OF ANY RECEPTACLE OR DEVICE/EQUIPMENT CONNECTION WITHIN 10' OF LOCATION SHOWN AT NO EXTRA COST.
- 16. DEVICE COVER PLATES SHALL BE STAINLESS STEEL IN ALL AREAS.
- 7. BRANCH CIRCUIT BREAKER AMPERE INTERRUPTING CAPACITY TO MATCH BUS RATING. PROVIDE 10% SPARE FOR FUTURE.
- 18. MAXIMUM VOLTAGE DROP IN BRANCH CIRCUITS TO BE 3%. CONDUCTORS SHALL BE OVERSIZED TO SUIT VOLTAGE DROP WHERE APPLICABLE.
- 19. CONDUCTORS TO BE COPPER UNLESS OTHERWISE NOTED. CONDUCTORS IN RACEWAYS SHALL BE T75 NYLON (T90 ACCEPTABLE IF DERATED AS PER OESC). ALL CONDUCTORS SHALL BE MINIMUM #10AWG FOR EMERGENCY BATTERY CIRCUITS AND EXTERIOR LIGHTING, #14AWG FOR CONTROL WIRING AND MINIMUM #12AWG FOR ALL OTHER APPLICATIONS.
- 20. ALL WIRE SIZES INDICATED ON DRAWINGS ARE BASED ON A 75°C TERMINATION TEMPERATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE TERMINATION TEMPERATURE OF EACH DEVICE AND MODIFY THE WIRE SIZE TO SUIT OR NOTIFY ENGINEER FOR DIRECTION.
- 21. IDENTIFY EACH WIRE AND CABLE AT EVERY TERMINATION POINT. IDENTIFY ALL EMT AND/OR CONDUITS WITH "NEAT" COLOUR BANDS AT NO MORE THAN 25'(7.5m) INTERVALS AND ON BOTH SIDES OF WALLS & FLOOR.
- 22. NON-CURRENT CARRYING METAL PARTS FOR FIXED EQUIPMENT SHALL BE BONDED TO GROUND. INSTALL SEPARATE BONDING IN LIQUIDTIGHT CONDUITS.
- 23. DISCONNECT SWITCHES FOR HVAC EQUIPMENT MUST BE INSTALLED WITHIN 10' (3m).
 24. MOTORS OTHER THAN AIR CONDITIONERS MUST HAVE DISCONNECT WITHIN SIGHT AND 30' (9m) OF THE MOTOR AND/OR STARTER.
- 25. CONTRACTOR IS RESPONSIBLE FOR LOAD BALANCING ALL DISTRIBUTION PANEL INSTALLATIONS. MEASURE PHASE CURRENT TO PANELBOARDS WITH NORMAL LOADS (LIGHTING) OPERATING AT TIME OF ACCEPTANCE. ADJUST BRANCH CIRCUIT CONNECTIONS AS REQUIRED TO OBTAIN BEST BALANCE OF CURRENT BETWEEN PHASES AND RECORD CHANGES. SUBMIT AT COMPLETION OF WORK, REPORT LISTING PHASE AND NEUTRAL CURRENTS ON PANELBOARDS, OPERATING UNDER NORMAL LOAD. STATE HOUR AND DATE ON WHICH EACH LOAD WAS MEASURED, AND VOLTAGE AT TIME OF TEST.
- 26. MEASURE PHASE VOLTAGES AT LOADS AND ADJUST TRANSFORMER TAPS TO WITHIN 2% OF RATED VOLTAGE EQUIPMENT.
- 27. FIRE STOP ALL EXISTING AND NEW CONDUIT THROUGH FIRE SEPARATIONS.
- 28. ARRANGE FOR ESA INSTALLATION PERMIT AND INSPECTION AND FORWARD A COPY OF THE ESA CERTIFICATE TO THE ENGINEER UPON ACCEPTANCE.
 ARRANGE AND PAY FOR OCCUPANCY PERMIT IF FINAL INSPECTION CANNOT BE SCHEDULED BY COMPLETION DATE SET FORTH IN TENDER DOCUMENTS.

	LIGHT FIXTURE SCHEDULE			
	TAG DESCRIPTION		MAKE / MODEL	ALTERNATE
	WALL MOUNTED 3' VANDAL RESISTANT LUMINAIRE, 20W, 2000 LUMENS, 3500K, 120V		LUMINAIRE LED VPF8-3FT-MIN10-2DRV-20W-35K-120-0P-BLK	
	CEILING MOUNTED 2' VANDAL RESISTANT LUMINAIRE, WET LOCATION RATED, 15W, 1300 LUMENS, 3000K, 120V WALL MOUNTED 2' VANDAL RESISTANT LUMINAIRE, WET LOCATION RATED, 15W, 1300 LUMENS, 3000K, 120V		LUMINAIRE LED VPF8-2FT-MIN10-2DRV-15W-30K-120-0P-BLK	SUBMIT FOR
			LUMINAIRE LED VPF8-2FT-MIN10-2DRV-15W-30K-120-0P-BLK	APPROVAL
	DWS WALL MOUNTED WALL SCONCE, FULL CUT—OFF, WET LOCATION RATED, 747 LUMENS, 10W, 3000K, 120V		LUMINAIRE LED AEL-12IN-MIN10-2DRV-10W-30K-120-DP-BKH	
	\$	LIGHT SWITCH - '3' DENOTES 3-WAY	HUBBELL 1200 SERIES (120V)	COOPER LEVITON LEGRAND

MOTION SENSOR

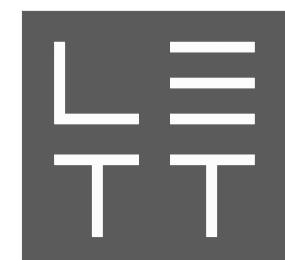
CARD READER

ELECTRIC STRIKE BY GENERAL CONTRACTOR.

ELECTRICAL CONTRACTOR TO PROVIDE WIRING.

KEYPAD

	POWER LEGEND						
TAG	DESCRIPTION	MAKE/MODEL					
Ф	15A 120V 1PH GROUNDED DUPLEX RECEPTACLE C/W STAINLESS STEEL COVER PLATE	HUBBELL BR15WHI OR EQUAL					
₩ P	20A 120V 1PH GROUNDED DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE	HUBBELL GFTR20W OR EQUAL C/W HUBBELL RW57300					
фс	CEILING MOUNTED RECEPTACLE C/W 15A 120V 1PH GROUNDED DUPLEX RECEPTACLE	HUBBELL BR15WHI OR EQUAL					
Ф	FLOOR MOUNTED SHALLOW RECTANGULAR STAMPED STEEL WALL BOX C/W 15A 120V 1PH GROUNDED DUPLEX RECEPTACLE	HUBBELL B242 SERIES WITH S3825 COVER OR EQUAL					
	120V 1PH GROUNDED DIRECT EQUIPMENT CONNECTION						
	208V 1PH GROUNDED DIRECT EQUIPMENT CONNECTION						
라	DISCONNECT SWITCH 'WP' DENOTES WEATHERPROOF						
	200A SERVICE ENTRANCE RATED PANEL						
(M)	METER BASE						
	COMMUNICATIONS LEGEND						
TAG	DESCRIPTION	MAKE/MODEL					
AP	ACCESS POINT						



LETT ARCHITECTS INC. 138 Simcoe St. | Peterborough | ON K9H 2H5

t. 705 743 3311 | f. 705 743 0056 studio@lett.ca | lett.ca

Consultant:

DES DURHAM ENERGY SPECIALIST LIMITED

PH:(905)430-7151 FAX:(905)430-7154
106-209 DUNDAS STREET EAST, WHITBY ONTARIO

info@durhamenergy.com / www.durhamenergy.com

DES JOB No.: 21-509 DRAWING SIZE: I

Stamp:

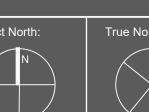
All dimensions to be checked and verified on site.
Do not scale drawings.
Any discrepancies are to be reported to the
Consultant.
All drawings remain the property of the Consultant.
Only latest approved drawings to be used for

City of Peterborough

BEAVERMEAD CAMPGROUND GATEHOUSE

Peterborough, ON K9L 1P8

construction.



Drawing Title :

LEGENDS AND NOTES

Scale:

Date: August 2021

RJC

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