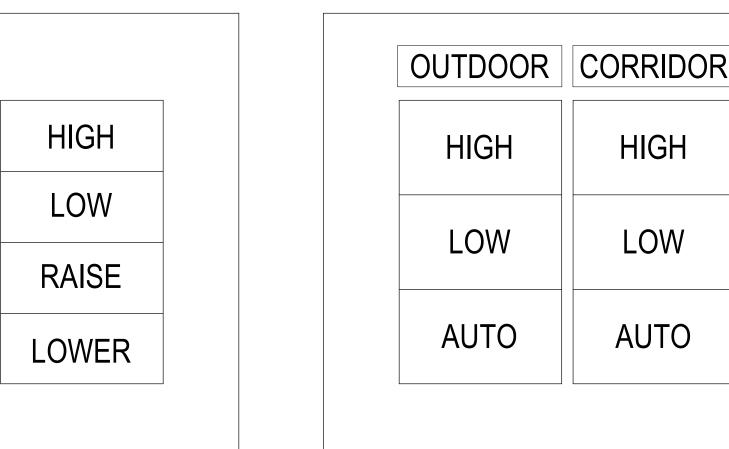


	HIGH		HIGH
	LOW		LOW
			RAISE
	OFF		LOWER
STANDAR	D SWITCHING (S) TY	PE	STANDARD DIMMING (D) TYPE

(THREE LARGE BUTTONS)

(FOUR LARGE BUTTONS)



TYPICAL OVERRIDE SWITCHING STATION FOR LIGHTING ZONES DESIGNATED CONTROL TYPE 'CT4'
MOUNT UNDER COMMON PLATE WHERE MULTIPLE STATIONS ARE SHOWN SIDE-BY-SIDE.
LABEL EACH STATION WITH CORRESPONDING CONTROL ZONE. LABELLING PER 25 05 00.
WHEN 'HIGH' OR 'LOW' IS ACTIVATED, BYPASS ALL AUTOMATIC DAYLIGHT OR TIME OF DAY
CONTROL FOR TWO HOURS OR UNTIL 'AUTO' IS ACTIVATED. WHEN 'AUTO' IS ACTIVATED, RE-CALL
AUTOMATIC CONTROL BASED ON THE ACTIVE MODE OF OPERATION.
INDOOR LIGHTING PRE-SETS: HIGH = DAYTIME, LOW = NIGHT, AUTO = ACTIVE TOD SETTING

OUTDOOR LIGHTING PRE-SETS: HIGH & LOW PER ZONE SCHEDULE, AUTO = ACTIVATE PHOTOCELL

ELECTRICAL LEGEND POWER & DISTRIBUTION SYSTEMS KITCHEN/LAUNDRY APPLICANCES FIRE ALARM SYSTEM SECURITY SYSTEM MISCELLANEOUS ABBREVIATIONS/SUBSCRIPTS/SYMBOLS MANUAL PULL STATION C/W PROTECTIVE 9VDC BATTERY OPERATED LEXAN COVER. 15A, 120V-1P DUPLEX RECEPTACLE FOR DISHWASHER, ELECTRIC DOOR STRIKE - MOUNTING HEIGHT FOR DEVICES ABOVE C/W RELAY AUXILIARY CONTACTS FOR MAGLOCKS AS REQUIRED LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS. COUNTER/SINK MILLWORK TO BE 1020mm UTILITY DISCONNECT. FROM TOP OF DEVICE TO A.F.F. (UNLESS NOTED SECURITY SYSTEM CONTROL PANEL HEAT DETECTOR. COMBINATION, FIXED 57°C AND RATE OF RISE. SUBSCRIPT 'X' 15A, 120V-1P DUPLEX RECEPTACLE FOR FRIDGE, INDICATES 88°C FIXED TEMPERATURE. LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS. REQUEST TO EXIT BUTTON - TYPICAL NORMAL POWER CIRCUIT NUMBER EG. PANELBOARD LP-1 CIRCUIT NUMBER 3. DELTA STAR POWER TRANSFORMER. AUTOMATIC DOOR OPERATOR. 15A, 120V-1P DUPLEX RECEPTACLE FOR UNDER-COUNTER FRIDGE, LOCATED HEAT DETECTOR. FIXED ONLY (57°C) SUBSCRIPT 'X' INDICATES 88°C RATING. AS SHOWN ON INTERIOR DESIGN DRAWINGS. - TYPICAL ESSENTIAL POWER CIRCUIT NUMBER EG. PANELBOARD LPE-1 CIRCUIT NUMBER 3. MAGNETIC DOOR LOCK CIRCUIT BREAKER. 15A, 120V-1P DUPLEX RECEPTACLE FOR KITCHEN HOOD, LOCATED AS SHOWN SMOKE DETECTOR. IONIZATION TYPE. SUBSCRIPT "R" INDICATES RELAY BASE. - TYPICAL CONTROL PANEL CIRCUIT NUMBER ON INTERIOR DESIGN DRAWINGS. LOW VOLTAGE POWER SUPPLY FOR THE DOOR STRIKE. EG. PANELBOARD LP-1A CIRCUIT NUMBER 3. PUSH BUTTON. - 3 POLE & UNSWITCHED NEUTRAL. 30A, 120V/208V-1P(14-30R) RECEPTACLE FOR DRYER, LOCATED AS SHOWN 120V LOCAL SMOKE ALARM CEILING MOUNTED. IONIZATION TYPE ON INTERIOR DESIGN DRAWINGS. CIRCUIT BREAKER. (DRAW OUT TYPE). - ABOVE FINISHED FLOOR. DOOR ACTUATOR 15A, 120V-1P DUPLEX RECEPTACLE FOR WASHER, 120V LOCAL SMOKE ALARM WITH STROBE. - BENCH MOUNTED. LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS. DOOR ALARM - CEILING MOUNTED. 15A, 120V-1P DUPLEX RECEPTACLE FOR WASHER, AND 30A, 120/280V-1P(14-30R) KEY PAD. CARBON MONOXIDE DETECTOR - CEILING SPACE MOUNTED. CIRCUIT BREAKER. (DRAW OUT TYPE) WITH MICROPROCESSOR BASED TRIP UNIT. RECEPTACLE FOR DRYER. LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS. CARD READER. - CONTROLLED LOAD. COMBINATION SMOKE/CARBON MONOXIDE/STROBE 50A, 120V/208V-1P(14-50R) RECEPTACLE FOR STOVE, LOCATED AS SHOWN ON - WITH DISCONNECT AND VISIBLE ISOLATION. INFRA RED READER. INTERIOR DESIGN DRAWINGS. EXPLOSION PROOF. AIR DUCT TYPE SMOKE DETECTOR. EGRESS MOTION DETECTOR. FUSED DISCONNECT. 20A, 120V-1P DUPLEX RECEPTACLE FOR MICROWAVE, - FLOOR MOUNTED. LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS. AIR DUCT TYPE SMOKE DETECTOR REMOTE INDICATING LIGHT. SUBSCRIPT INDICATES KEY SWITCH FAN SYSTEM. GF/GFI - GROUND FAULT CIRCUIT INTERUPTER. 20A. 120V-1P DIRECT CONNECTION FOR BUILT-IN OVEN. AUDIBLE ALARM LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS. NON FUSED DISCONNECT. - ISOLATED GROUND TYPE FIRE ALARM HORN. GLASS BREAK DETECTOR MOUNTING HEIGHT. 15A, 120V/208V-1P DUPLEX RECEPTACLE FOR EXHAUST FAN, FIRE ALARM BELL HI OR LOW VOLTAGE FUSE. LOCATED AS SHOWN ON INTERIOR DESIGN DRAWINGS. - NIGHT LIGHT SECURITY SYSTEM MONITOR COMBINATION FIRE HORN/STROBE LIGHT. 40A, 120V/208V-1P DIRECT CONNECTION FOR BUILT-IN COOKTOP, LOCATED AS - SURGE SUPRESSION TYPE DEVICE. S ALARM SOUNDER SHOWN ON INTERIOR DESIGN DRAWINGS. CUSTOMER OR UTILITY ENERGY METER. - LOCKING TYPE (TWISTLOCK). SUPERVISED VALVE - SPRINKLER. SUBSCRIPT 'P' DENOTES STANDPIPE. PA PANIC ALARM COMMUNICATION SYSTEMS - MOUNT IN VERTICAL FACE. SPRINKLER FLOW SWITCH SECURITY ALARM FOR MECHANICAL EQUIPMENT ELECTRICAL GROUNDING SYSTEM. - WIREGUARD. COMBINATION DATA/TELEPHONE OUTLET. SPRINKLER LOW PRESSURE SWITCH. → MOTION DETECTOR. WEATHERPROOF TYPE. SECOND DIGIT (NUMBER 2.") INDICATES QUANTITY OF TELEPHONE CABLES AND MAGNETIC DOOR HOLD OPEN DEVICE. LIGHTNING, ARRESTORS(03) AND GROUNDING. DOOR/WINDOW CONTAC - MOUNT 42" (1065mm) A.F.F. TELEPHONE JACKS IN OUTLET. PTZ - PAN, TILT, ZOOM RECESSED FIRE ALARM SPEAKER (CEILING MOUNTED). FIRST DIGIT (NUMBER 1.") INDICATES QUANTITY OF DATA CABLES AND DATA JACKS IN PANELBOARD (SURFACE MOUNT). OUTLET. IF FIRST DIGIT INCLUDES A SUFFIX "F", IT INDICATES "FITLINXX" DATA CABLE CEILING MOUNTED DOME CAMERA RECESSED FIRE ALARM SPEAKER AND STROBE (CEILING MOUNTED) PANELBOARD (RECESSED MOUNT) ALL JACKS UNDER ONE(1) COMMON PLATE. REFER TO FLOOR PLANS FOR CABLE AND FIRE ALARM SPEAKER (WALL MOUNTED). MECHANICAL WIRING SYSTEMS ENCLOSED BUS ASSEMBLY. SUBSCRIPT "W" INDICATES C/W VOICE JACK FOR WALL MOUNTED TELEPHONE AT MECHANICAL EQUIPMENT/MOTOR. FIRE ALARM SPEAKER AND STROBE (WALL MOUNTED). CABLE LADDER OR TRAY SUBSCRIPT "P" INDICATES PAY TELEPHONE. RECEPTACLE/DIRECT CONNECTIONS DISCONNECT SWITCH (UNFUSED). SUBSCRIPT INDICATES SIZE. SUBSCRIPT SURFACE FIRE ALARM SPEAKER (CEILING MOUNTED). 'N' INDICATES COMPLETE WITH SOLID NEUTRAL. 120V, 2P, 3W, 15A DUPLEX RECEPTACLE (CSA #5 SERIES). DATA OUTLET - COMPUTER OR PRINTER. SURFACE FIRE ALARM SPEAKER AND STROBE (CEILING MOUNTED). DISCONNECT SWITCH (FUSED). SUBSCRIPT INDICATES FUSE RATING. SUBSCRIPT 120V, 2P, 3W, 15A DUPLEX RECEPTACLE COMPLETE WITH USB CHARGING PORTS 'N' INDICATES COMPLETE WITH SOLID NEUTRAL. ▼ TELEPHONE - SUBSCRIPT "P" INDICATES PAY TELEPHONE. FIRE ALARM HANDSET. MANUAL STARTER COMPLETE WITH PILOT LIGHT WALL MOUNTED COMBINATION MULTI-FUNCTION COMMUNICATION OUTLET. FIRE ALARM STROBE (CEILING MOUNTED) 120V, 2P, 3W, 15A SPLIT TYPE DUPLEX RECEPTACLE. MAGNETIC STARTER. WIRELESS ACCESS POINT 120V, 2P, 3W, 15/20A T-SLOT TYPE DUPLEX RECEPTACLE. CSA#5 SERIES FOR FIRE ALARM STROBE (WALL MOUNTED) OFFICE AND GENERAL AREAS. COMBINATION MAGNETIC STARTER. INTERCOM SYSTEM 120V, 2P, 3W, 15A FOUR PLEX RECEPTACLE 2. DUPLEXES UNDER COMMON PLATE). FIRE ALARM ZONE DEMARCATION TIME SWITCH. CEILING MOUNTED SPEAKER. F.A.Z.1. FIRE ALARM ZONE. NUMBER INDICATES ZONE NUMBER.

ACCESS CONTROL SYSTEM DOOR DETAIL DESIGNATION. NUMBER INDICATES DOOR

DETAIL NUMBER. REFER TO FLOOR PLANS, DRAWINGS E902.

EMERGENCY CALL ASSISTANCE DOME LIGHT

500 WATT RADIANT HEATING UNIT (CEILING MTD.) CAT. QMARK CP SERIES

NURSE CALL EMERGENCY CALL WASHROOM STATION C/W PULL CORD

NURSE CALL EMERGENCY CALL SHOWER/TUB STATION C/W PULL CORD AND WET

NURSE CALL EMERGENCY CALL STATION; PUSH BUTTON TYPE.

(CLOCK, SINGLE FACE WALL MOUNTED.

ROOM MODULAR CONTROL PANEL.

PL PUSH TO LOCK" PUSH BUTTON

EC | EMERGENCY CALL ASSISTANCE HORN

NURSE CALL CORRIDOR LIGHT

NURSE CALL BEDSIDE STATION

LOCATION FEATURE

NCD NURSE CALL CORRIDOR DISPLAY UNIT

COMPLETE WITH ALL ACCESORIES

NURSE CALL MASTER CONTROL STATION

NURSE CALL MARQUEE ANNUNCIATOR PANEL

● EPO SWITCH/ KILL SWITCH

DH DOOR HOLDER

EO END OF LINE

ACCESS CONTROL SYSTEM

CLOCK SYSTEM

MISCELLANEOUS

DRAWING LIST

SHEET # DESCRIPTION

0000

E-001 ELECTRICAL LEGEND AND DRAWING LIST

1100

E-101 SITE PLAN - ELECTRICAL

E-102 ELECTRICAL SITE DETAILS

E-103 SITE LIGHTING PHOTOMETRIC PLAN

TELEVISION AND A.V.

TELEVISION OUTLET.

AUDIO/VIDEO BACK BOX

CLOSET & TERMINAT TO AV PATCH PANEL.

ACB - AIR CIRCUIT BREAKER.

AV - AUDIO VISUAL.

CM - COFFEE MAKER.

CR - CASH REGISTER.

CS - COMMUNICATION STATION.

EVR - ELECTRONIC VOLTAGE REGULATOR.

DP - DISTRIBUTION PANEL.

- FRIDGE.

IM - ICE MACHINE

PC - PHOTOCOPIER.

PR - PRINTER.

SB - SMARTBOARD.

SP - SPLITTER.

TV - TELEVISION.

VM - VENDING MACHINE.

XFMR - TRANSFORMER.

GEN - ELECTRICAL GENERATOR.

HWD - HOT WATER DISPENSER

MCB - MINIATURE CIRCUIT BREAKER.

TR - LOW VOLTAGE TRANSFORMER.

UPS - UNINTERRUPTIBLE POWER SUPPLY.

TVSS - TRANSIENT VOLTAGE SURGE SUPPRESSOR.

MCCB - MOULDED CASE CIRCUIT BREAKER.

MSB - MAIN SWITCH BOARD (SERVICE ENTRANCE RATED)

- POWER FACTOR CORRECTION CAPACITOR BANKS.

ATS - AUTOMATIC TRANSFER SWITCH.

TWO GANG OUTLET BOX WITH 1-27mmC TO ACCESSIBLE CEILING SPACE FOR DATA &

1-27mmC TO CATV PATCH PANEL. PROVIDE 3(THREE) CAT6 CABLING TO NEAREST I.T

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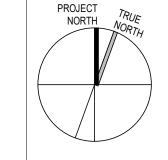
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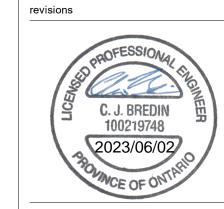
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3 JUN.02/23 ISSUED FOR SPA RESUBMISSION CB
2 MAY 12/23 ISSUED FOR MLTC WORKING DRAWING SUBMISSION CB
1 FEB.17/23 ISSUED FOR SITE PLAN APPLICATION CB
DATE: REVISION: BY
revisions



Extendicare Orleans

1045 Noella Leclair Street Ottawa, ON

ELECTRICAL LEGEND AND DRAWING LIST

wn by: GT/ABS
iewed by: JP
number: ALL-22018422-/

drawing number:

21:30 PM Autodesk Docs://22058_Extendicare

PROVIDE POWER SUPPLY AND SIGNAL CONNECTIONS FOR ELEVATORS AS PER POWER AND SYSTEMS AND SECURITY DRAWINGS AND SCHEMATICS. PASSENGER ELEVATORS SHALL BE PROVIDED WITH EMERGENCY POWER SUCH THAT ONE ELEVATOR WILL OPERATE AT A TIME DURING THE LOSS OF NORMAL POWER. CCTV CAMERAS, CARD READERS, AND RESIDENT WANDERING SYSTEM CONTROLLERS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. THE ELECTRICAL DRAWINGS INCLUDE INDICATIVE LAYOUTS FOR SMALL POWER AND SYSTEM DEVICES. THE FINAL LOCATION AND ELEVATION OF ALL ELECTRICAL AND SYSTEM DEVICES TO B COORDINATED WITH INTERIOR DESIGNER'S/ARCHITECT PACKAGE. THE ELECTRICAL DRAWINGS INCLUDE LIGHTING LAYOUTS AND LIGHTNING CONTROL. FINAL LOCATION OF LIGHTING FIXTURES AND CONTROL DEVICES SHALL BE COORDINATED WITH ARCHITECT RCP AND MECHANICAL LAYOUT. ENSURE LIGHTING CONTROL WILL TURN-ON TO FULL BRIGHTNESS IN FIRE ALARM EVENT AND IN EVENT OF LOSS OF NORMAL POWER. CONTRACTOR SHALL IDENTIFY AND LABEL CLEARLY ALL CIRCUITS, WIRING, SERVICES, JUNCTION BOXES, PULL BOXES, DEVICES AND EQUIPMENT INSTALLED AND CONNECTED UNDER THE SCOPE OF WORK OF THIS PROJECT. IDENTIFICATION SHALL BE OF AS PER OWNER'S REQUIREMENTS AND ALL MARKINGS SHALL BE OF NON-ERASABLE LAMACOID TYPE. COORDINATE ALL LABELING WITH THE OWNER AND CONSULTANTS. 9. CONTRACTOR TO INCLUDE FOR PAYMENT OF REQUIRED PERMITS, FEES, LICENCES, CERTIFICATES OF INSPECTION ETC, IF REQUIRED. 10. ELECTRICAL WIRING AND CABLES EXPOSED WITHIN THE CEILING SPACES SHALL CONFORM TO THE PLENUM REQUIREMENTS OF ONTATIO BUILDING CODE SENTENCE 3.6.4.3 (1). PROVIDE ELECTRICAL COORDINATION WITH KITCHEN, LAUNDRY AND SERVERY EQUIPMENT SELECTION AND LOCATION. REFER TO KITCHEN CONSULTANT EQUIPMENT SCHEDULES FOR DETAILS. PROVIDE CONNECTION TO STARTERS, SWITCHES, AND CONTROLS BASED ON KITCHEN CONSULTANT DOCUMENTS. VERIFY THE FINAL LOCATION OF KITCHEN, LAUNDRY AND SERVERY EQUIPMENT 12. REFER TO AV SYSTEM PROVIDER DRAWINGS FOR POWER AND ROUGHINS ETC REQUIREMENTS AND PROVIDE AS REQUIRED. 13. CABLE SIZES INDICATED ON DRAWINGS ARE THE MINIMUM SIZES AND SHALL BE INCREASED BASED ON ACTUAL ROUTING AND VOLTAGE DROP. 14. PROVIDE POWER AND DATA CONNECTIONS FOR ALL BAS PANELS REQUIRED ON PROJECT. COORDINATE WITH MECHANICAL CONTRACTOR AND BAS SUPPLIER FOR EXACT LOCATION AND

ELECTRICAL DOCUMENTS ARE BASED ON AVAILABLE INFORMATION, AND SHALL BE READ IN CONJUNCTION WITH OTHER CONSULTANT'S DOCUMENTS INCLUDING AND NOT LIMITED TO ARCHITECTURAL,

PROVIDE ELECTRICAL COORDINATION WITH MECHANICAL EQUIPMENT SELECTION AND LOCATION. REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR DETAILS. PROVIDE CONNECTION TO VFD's, STARTERS, SWITCHES, SMOKE DAMPERS, COMBINATION SMOKE AND FIRE DAMPERS AND CONTROL BASED ON MECHANICAL DOCUMENTS. VERIFY THE FINAL LOCATION OF MECHANICAL EQUIPMENTS

125V, 2P, 3W, 15A RECEPTACLE (CSA#5 SERIES) WIRED TO ESSENTIAL POWER.

125V, 2P, 3W, 15/20A T-SLOT DUPLEX RECEPTACLE WIRED TO ESSENTIAL POWER.

ESSENTIAL POWER.

WIRED TO ESSENTIAL POWER.

ESSENTIAL POWER CIRCUIT.

120V, 2P, 3W SINGLE RECEPTACLE (CSA #5 SERIES).

250V, 2P, 3W SINGLE RECEPTACLE (CSA #6 SERIES).

(L1, L2, G).

3 PHASE, 4W DIRECT CONNECTION (L1, L2, L3, G).

3 PHASE, 5W DIRECT CONNECTION (L1, L2, L3, N, G).

1 PHASE, 4W DIRECT CONNECTION (L1, L2, N, G).

(o o) | FLOOR MOUNTED STATIC GROUNDING RECEPTACLE

CONNECTIONS RATED FOR 15A.

THERMOSTAT.

GENERAL NOTES:

125/250V, 3P, 4W SINGLE RECEPTACLE (CSA #14 SERIES).

250VDC/600VAC, 3P, 4W SINGLE RECEPTACLE (CSA #L17 SERIES)

FLOOR FLUSH MOUNTED OUTLET BOX C/W 120V, 2P, 3W, 15A DUPLEX

RECEPTACLE, DATA & PHONE OUTLETS. REFER TO THE NUMBER FOR

THIRD DIGIT (NUMBER "1") INDICATES QUANTITY OF PHONE OUTLETS

SECOND DIGIT (NUMBER "1") INDICATES QUANTITY OF DATA OUTLETS

ELECTRIC HAND DRYER. NOVA CAT. No. 780-000 WHITE RECESSED UNIT 9.6 AMPS,

208V. 1 PHASE, 2000 WATTS COMPLETE WITH FIXED NOZZEL AND HEAVY DUTY

OTHER WISE NOTED. PANELBOARD BREAKERS (15A.2P.) TO BE GROUND FAULT

DIRECT CONNECTION VOLTAGE INFORMATION INDICATION BY CIRCUIT No.

UNLESS NOTED OTHERWISE (IE: 30A, 20A) ALL RECEPTACLES/DIRECT

INTERIOR DESIGN, KITCHEN, MECHANICAL, ELEVATORS, AND LANDSCAPE CONSULTANT DOCUMENTS.

PROVIDE COMPLETE FIRE ALARM SYSTEM AS REQUIRED BY APPLICABLE CODES AND AUTHORITY HAVING JURISDICTION.

2. THE ROUTING OF SERVICES SHOWN ARE DIAGRAMMATIC TO SHOW DESIGN INTENT.

15. REFER TO LTC DESIGN MANUAL 2015 AND IES STANDARDS FOR LIGHTING PROVISIONS.

UNLESS NOTED OTHERWISE MOUNTING HEIGHT OF ALL OUTLETS IS 455mm (18")

VANDAL-RESISTANT GRILLE. MOUNT 2'-8" (0.91m) AFF. TO BOTTOM OF UNIT.

FIRST DIGIT (NUMBER "2") INDICATES QUANTITY OF RECEPTACLES

125V, 2P, 3W, 15A TAMPER-RESISTANT SPLIT TYPE DUPLEX RECEPTACLE. WIRED TO

125V, 2P, 3W, 15A FOUR PLEX RECEPTACLE 2. DUPLEXES UNDER COMMON PLATE)

125V, 2P, 3W, 15A RECEPTACLE (CSA#5 SERIES) WIRED TO SEPARATE DEDICATED

INTERCOM MASTER STATION

RECESSED CEILING MOUNTED SPEAKER.

RECESSED WALL MOUNTED SPEAKER.

SURFACE WALL MOUNTED SPEAKER.

P.A. CALL SWITCH OR HANDSET.

LOCAL VOLUME CONTROLLER.

MISCELLANEOUS ABBREVIATIONS/SUBSCRIPTS/SYMBOLS

DRAWING NOTES SYMBOL

SURFACE CEILING MOUNTED SPEAKER.

ADMINISTRATIVE CONSOLE UNIT OUTLET.

PUBLIC ADDRESS SPEAKER, TYPE '1' AS SPECIFIED.

GANG FLUSH BACKBOX AND CONCEALED EMPTY CONDUIT.

SPEAKER MOUNTED IN ROOM MODULAR CONTROL PANEL.

COMBINATION WALL MOUNTED SPEAKER AND TALK-LISTEN PRIVACY SWITCH.

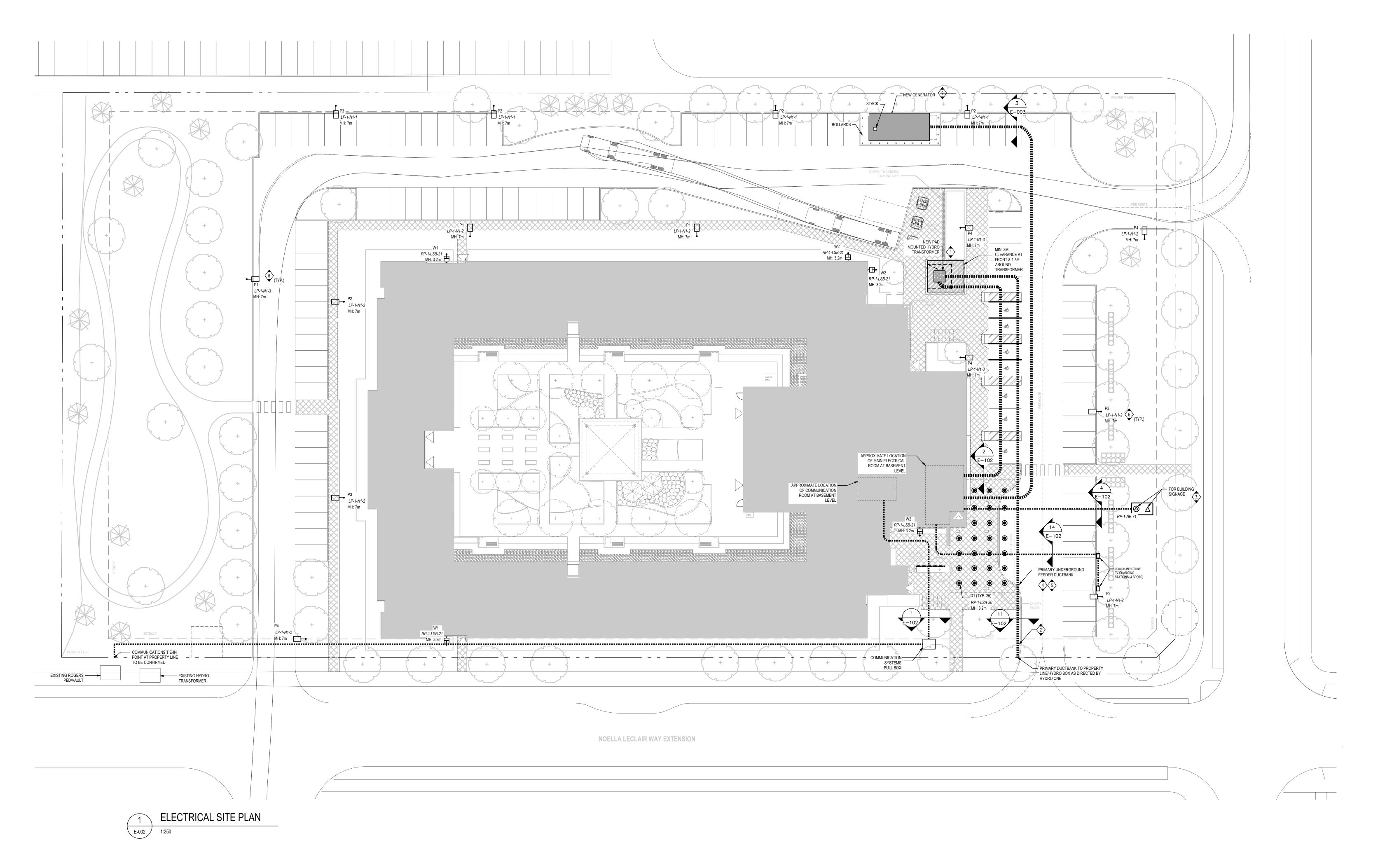
RECESSED CEILING MOUNTED SPEAKER COMPLETE WITH HANDSFREE MIC. AND

INTERCONNECTED TO WALL MOUNTED EMERGENCY PULLCORD ALARM DEVICE.

MICROPHONE OUTLET - DEVICE AND COVERPLATE BY OTHERS. PROVIDE 2-

INTERCOM STATION

PAGING AND SOUND SYSTEM



GENERAL NOTES

TRANSFORMER INTO BUILDING.

- CONTRACTOR SHALL BE GENERALLY RESPONSIBLE FOR SUPPLY AND INSTALLATION OF THE FOLLOWING, INCLUDING BUT NOT LIMITED TO:
 CONCRETE-ENCASED PRIMARY DUCTBANK FROM PAD-MOUNTED SERVICE TRANSFORMER TO PROPERTY
- LINE/EXISTING HYDRO BOX (HIGH VOLTAGE CABLES TO BE PROVIDED BY HYDRO ONE AS PART OF UTILITIES), PRIMARY DUCTBANK MANHOLE, •• TRANSFORMER VAULT INCLUDING GROUNDING GRID, PROTECTIVE BOLLARDS, ETC., (TRANSFORMER TO BE PROVIDED BY HYDRO ONE, PRIMARY AND SECONDARY TERMINATIONS BY HYDRO ONE),

 CONCRETE-ENCASED SECONDARY DUCTBANK AND SERVICE CONDUCTORS FROM PAD-MOUNTED SERVICE



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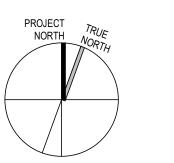
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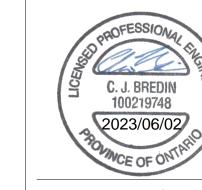
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DRAWING NOTES

- PROVIDE 3 PHASE TRANSFORMER FOUNDATION AS PER HYDRO ONE STANDARD. CONFIRM FOUNDATION SPECIFICATION WITH HYDRO UTILITIES PRIOR TO PURCHASE/INSTALLATION. PROVIDE TRANSFORMER GROUND GRID USING 2/0 BARE STRANDED COPPER & 4-10FT x 3/4" STEEL GALVANIZED GROUND RODS AS PER HYDRO ONE STANDARD. ENSURE 2 GROUNDING TAILS ARE LEFT IN THE FOUNDATION WITH SUFFICIENT LENGTH OF 2/0 BARE COPPER WIRE FOR FROST LOOP & THE CONNECTION TO THE GROUNDING BAR ON HYDRO UTILITIES INSTALLED TRANSFORMER. REFER TO DETAILS ON E-003 FOR PROTECTIVE BOLLARDS, GROUNDING REQUIREMENTS.
- REFER TO HYDRO ONE STANDARD FOR CONCRETE ENCASED DUCT BANK & 12-403 FOR DIRECT BURRIED CONCRETE ENCASEMENT OF DUCTS TO BE STOPPED 3' FROM TRANSFORMER FOUNDATION. COORDINATE INSTALLATION OF PRIMARY DUCTS & FOUNDATION WITH HYDRO UTILITIES AND GIVE MINIMUM 5 BUSINESS DAYS FOR INSPECTION PRIOR TO BACKFILLING.
- CONTRACTOR SHALL PROVIDE SECONDARY CABLES FROM THE TRANSFORMER TO THE MSB. PROVIDE SUFFICIENT LENGTH OF WIRE IN THE TRANSFORMER BASE FOR A PROPER FROST LOOP AND INSTALL TO THE SECONDARY SPADES.
- PRIMARY CABLES SUPPLIED & INSTALLED BY HYDRO UTILITIES. REFER TO OTC IN SPECIFICATION 26 24 01.01 APPENDIX FOR SCOPE DELINEATION.
- CONTRACTOR SHALL PROVIDE THE ENTIRE PRIMARY & SECONDARY DUCT BANKS IN CONCRETE ENCASEMENT UP TO THE PROPERTY LINE. REFER TO DETAIL IN DRAWING E-003. POLE MOUNTED LIGHTING WITH PHOTOCELLS. REFER TO EXTERIOR LIGHTING CONTROL WIRING DIAGRAM ON
- PROVIDE 15A,120V, DIRECT CONNECTION VIA CONTROL CIRCUIT INDICATED FOR PERMANENT BUILDING SIGNAGE.

 ALSO INCLUDE FOR 1" EMPTY PVC CONDUIT BACK TO COMMUNICATIONS ROOM FOR FUTURE DATA CABLING. (TYPICAL 1 LOCATION).
- USE DIRECT BURIED "CABLE IN CONDUIT" INSTALLATION FOR THE INSTALLATION OF POWER AND CONTROL 8 WIRING FOR OUTDOOR SIGNAGES. REFER TO DETAIL 4 ON DRAWING E1.02.
- APPROXIMATE LOCATION OF NEW GENERATOR. REFER TO SPECIFICATIONS. PROTECTIVE BOLLARDS FOR GENERATOR WILL BE PROVIDED UNDER ARCHITECTURAL SCOPE. REFER TO ARCHITECTURAL DRAWINGS AND COORDINATE INSTALLATION WITH GENERAL CONTRACTOR. ENSURE MIN. 1M AWAY FROM TANKS, SPACED NO MORE THAN 1350MM APART AND ENSURE CORNER COVERAGE.
- LIGHTING CONDUIT IN RACEWAY (PVC CONDUIT) TO BE 600MM DEPTH (NO CONCRETE); CROSS OTHER SERVICES PERPENDICULAR AND MAINTAIN 300MM CLEARANCE. ARBITRARY GROUPING SHOWN FOR POLE FIXTURES; PRESUME EACH FEED FROM THE BUILDING CAN HANDLE LOAD AND VOLTAGE DROP BUT WILL NEED TO BE CHECKED/ADJUSTED AS REQUIRED.
- ONE CIRCUIT FOR EACH RECEPTACLE, AND GROUP OF BOLLARDS TO CLOSEST PANEL. TRENCH DETAIL FOR COURTYARD BELOW, 450MM DEPTH.

3 JUN.02/23 ISSUED FOR SPA RESUBMISSION 2 MAY 12/23 ISSUED FOR MLTC WORKING DRAWING SUBMISSION CB 1 FEB.17/23 ISSUED FOR SITE PLAN APPLICATION



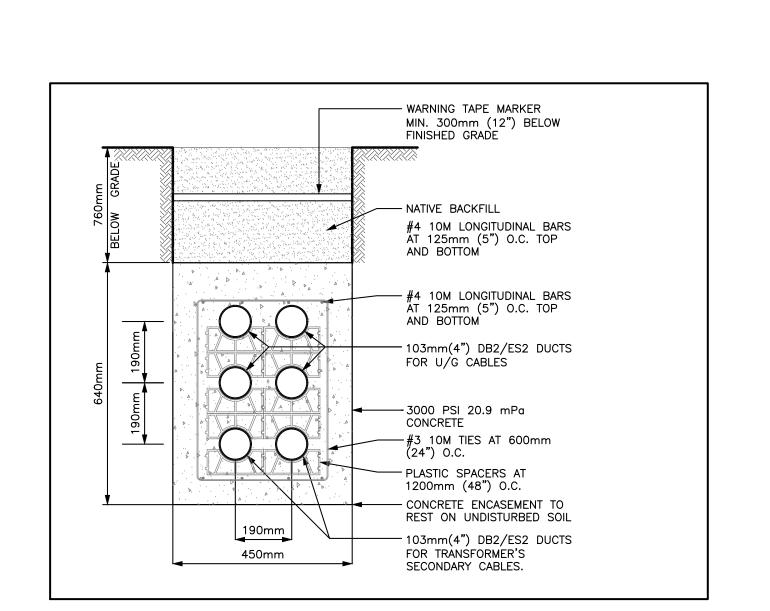
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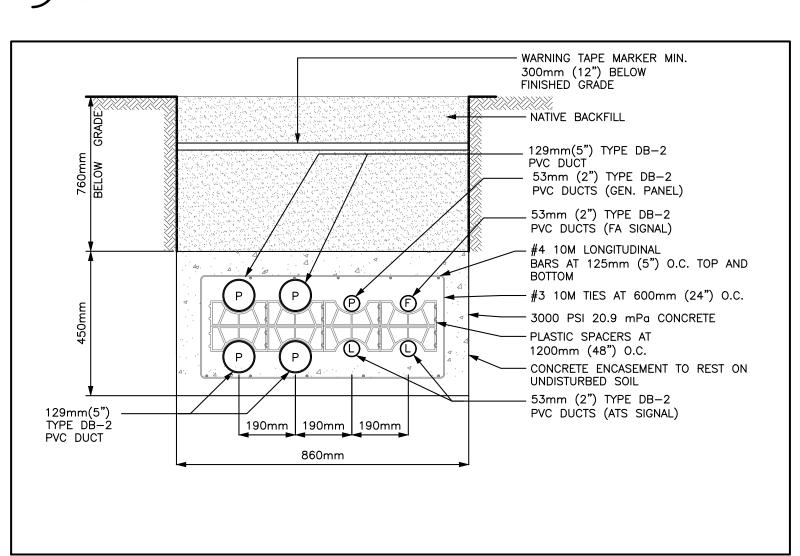
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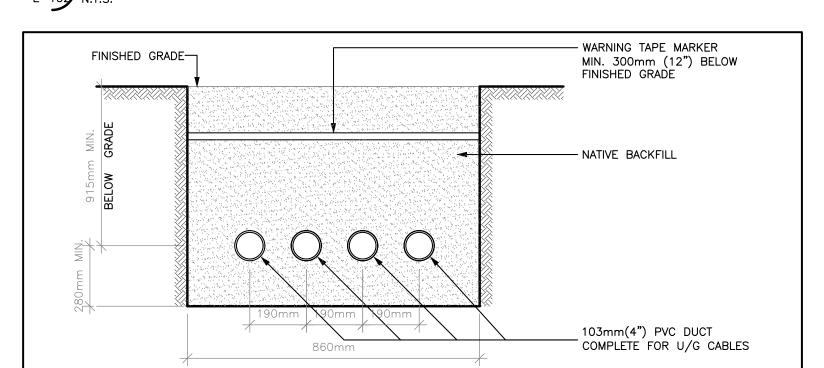
E-101



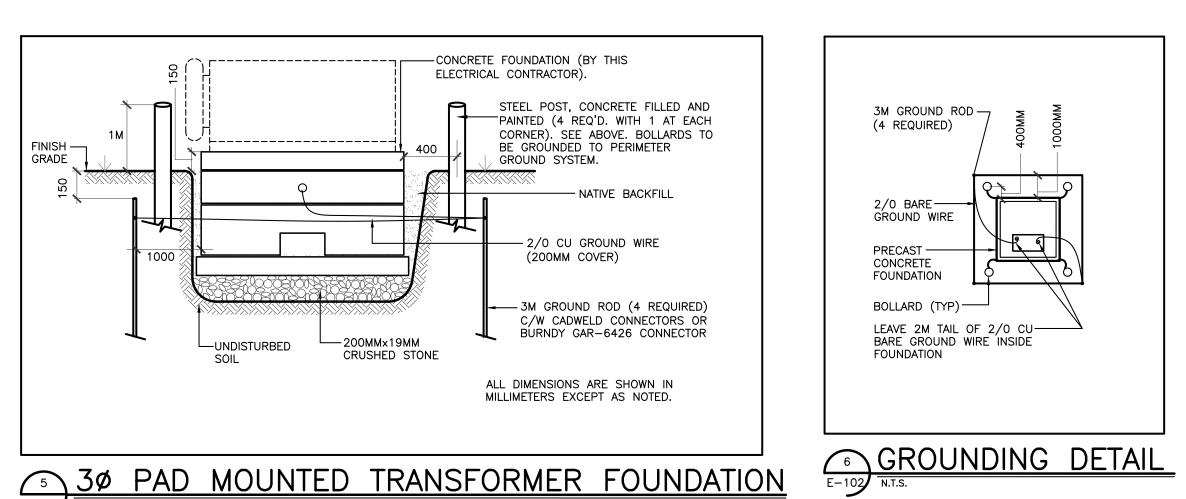
SECONDARY POWER DUCT BANK E-102 N.T.S.



GENERATOR POWER DUCT BANK E-102 N.T.S.

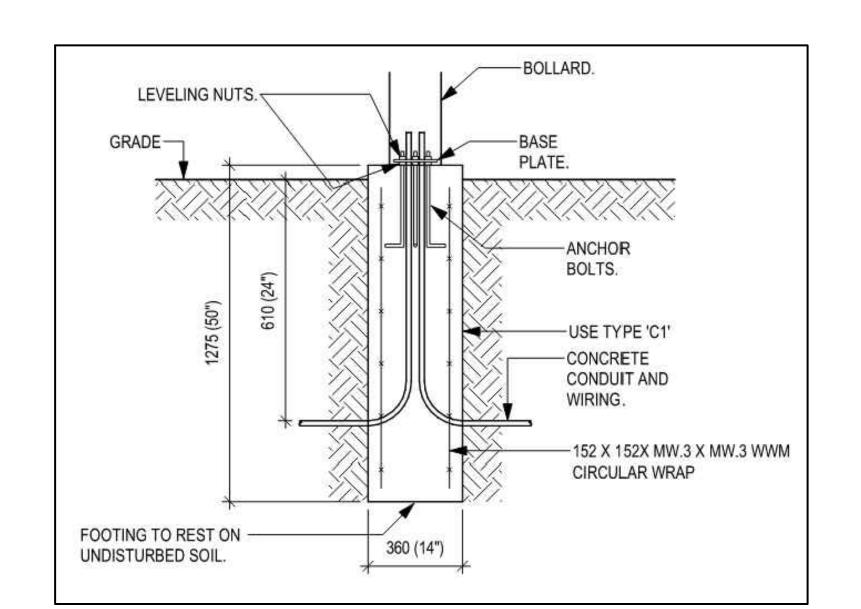


SITE COMMUNICATIONS DUCT BANK N.T.S.

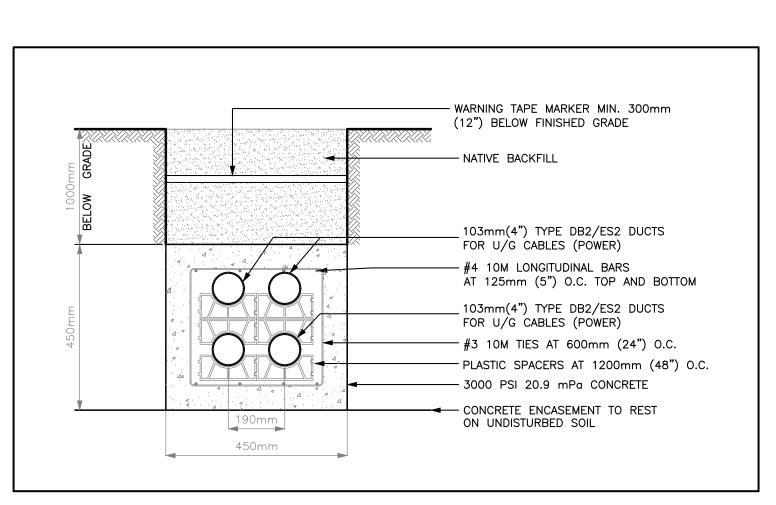


3Ø PAD MOUNTED TRANSFORMER FOUNDATION

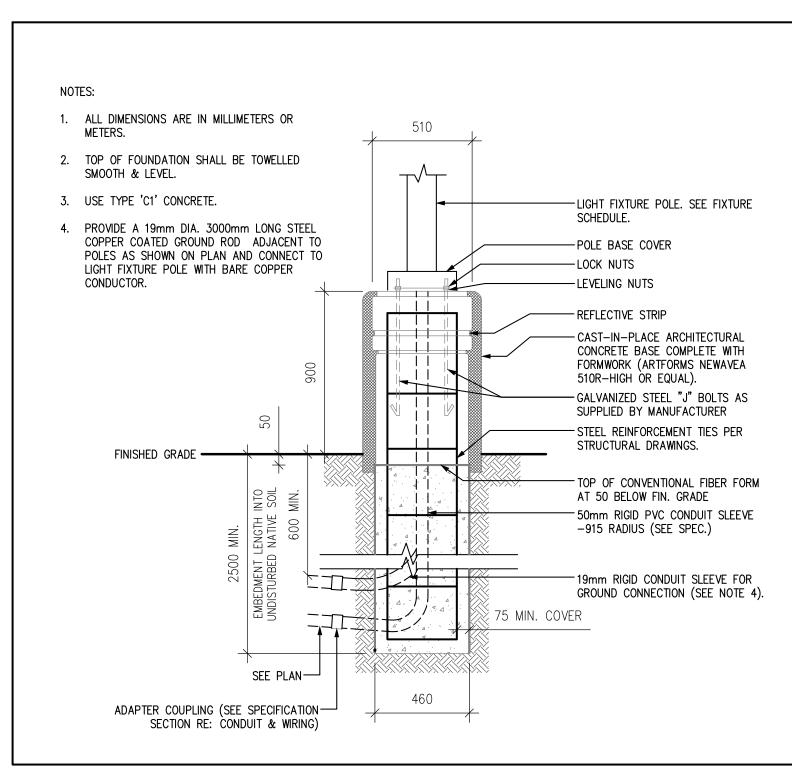
N.T.S.



9 TYPICAL BOLLARD BASE DETAIL
N.T.S. NOTE: FOR BOLLARD LIGHTING TYPE B1 ONLY; SEE ARCHITECTUAL PLANS FOR PROTECTIVE BOLLARD DETAILS.



PRIMARY POWER DUCT BANK E-003 N.T.S.



POLE BASE DETAIL

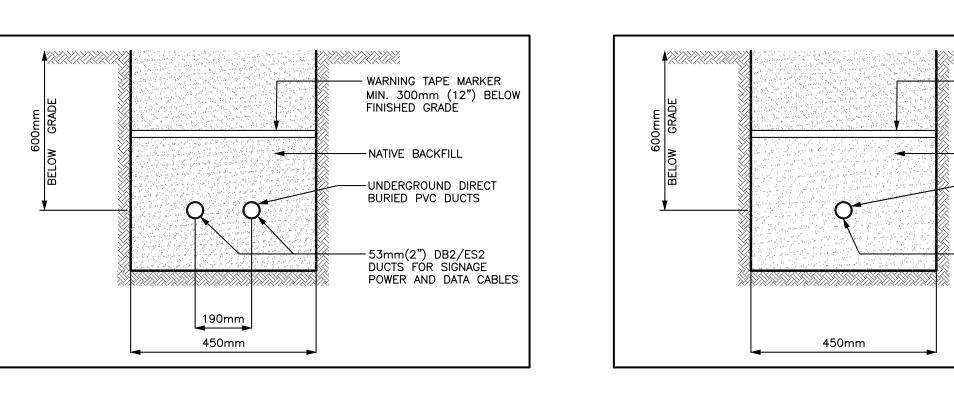
N.T.S.

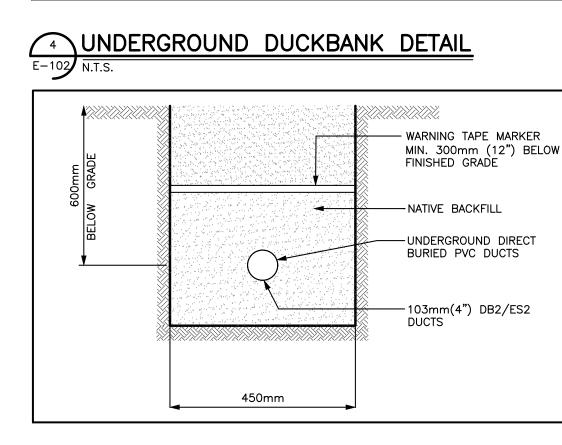
3M GROUND ROD — (4 REQUIRED)

2/0 BARE —— GROUND WIRE

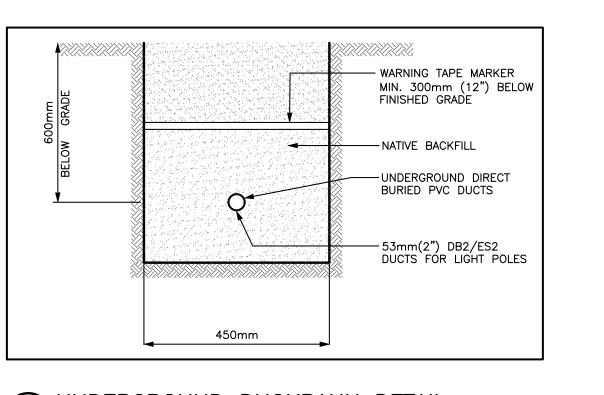
CONCRETE FOUNDATION

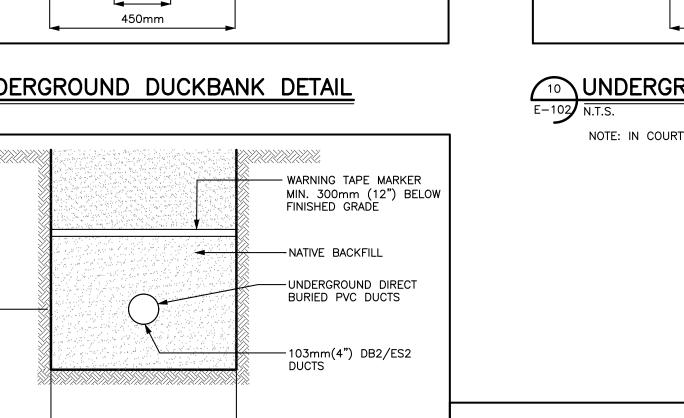
LEAVE 2M TAIL OF 2/0 CU——— BARE GROUND WIRE INSIDE FOUNDATION



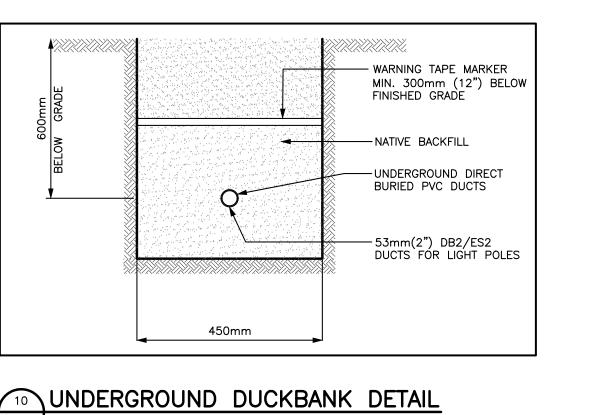


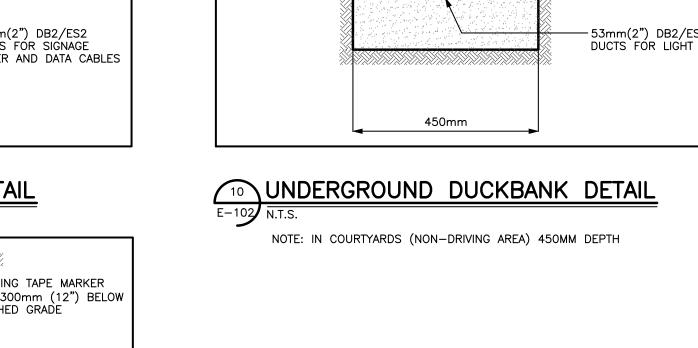


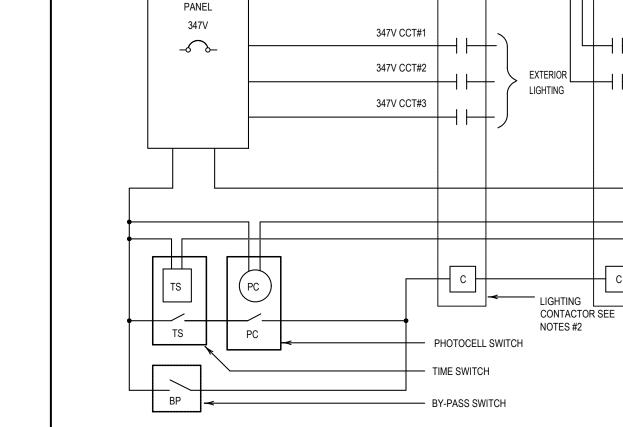








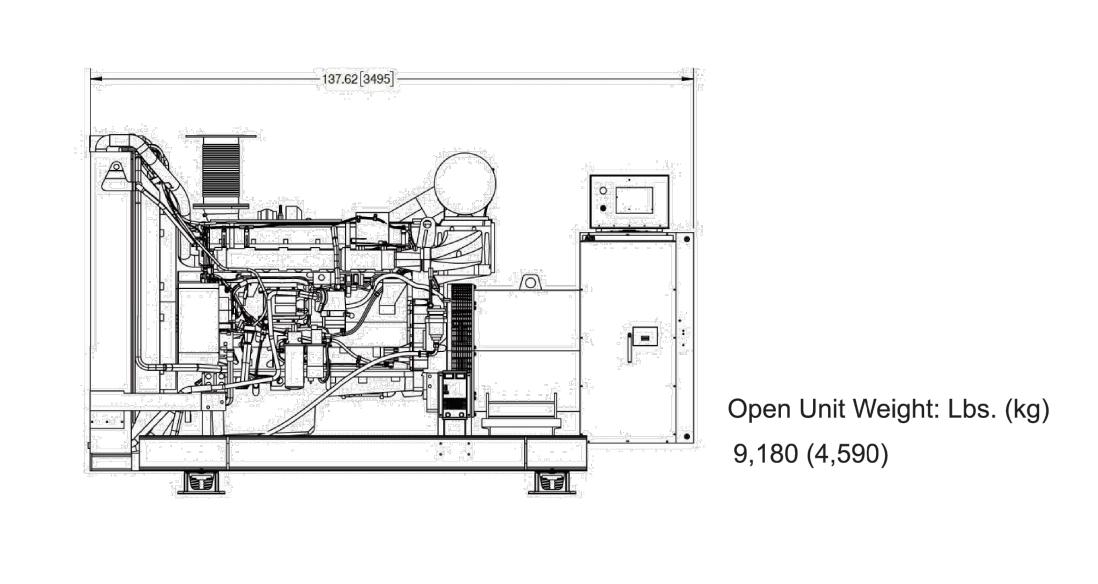




BREAKER

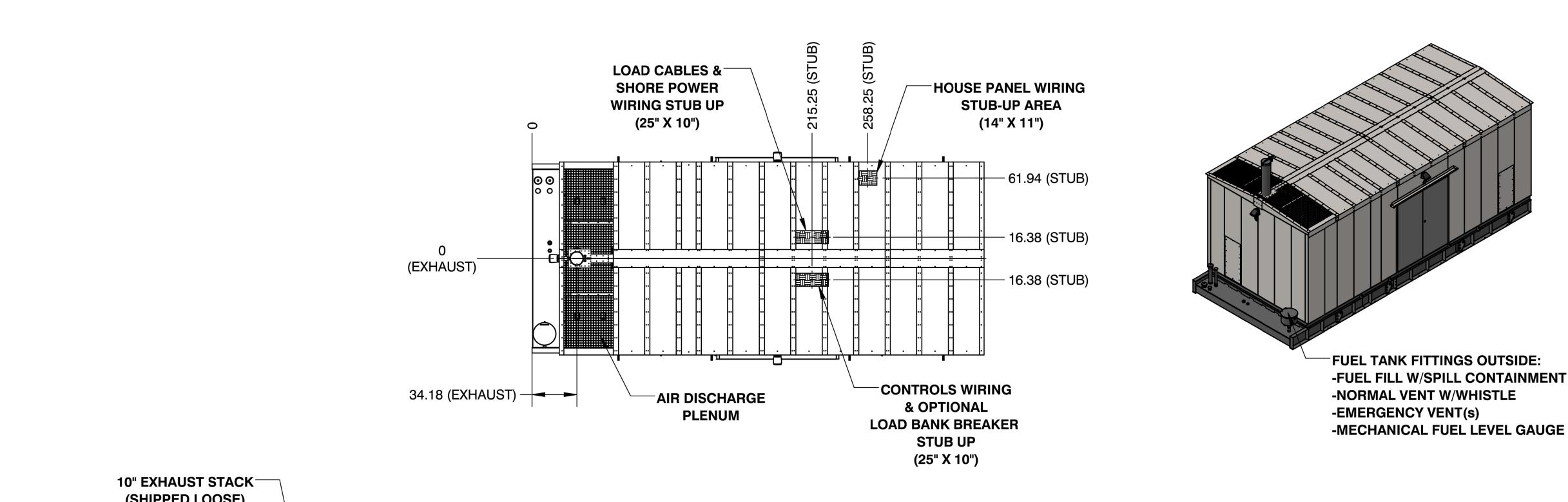
1. INSTALL LIGHTING CONTACTOR, AND BY-PASS SWITCH ADJACENT TO THE BREAKER PANEL. WIRE NEW TIMER AND NEW PHOTOCELL TO CONTACTOR & SET TIMER TO TURN ON LIGHT AS DIRECTED BY OWNER. 2. LIGHTING CONTACTOR SHALL BE MECHANICAL HELD TYPE, 20A MULTI-POLE LIGHTING CONTACT WITH 347VAC COIL AND TYPE 1 ENCLOSURE.

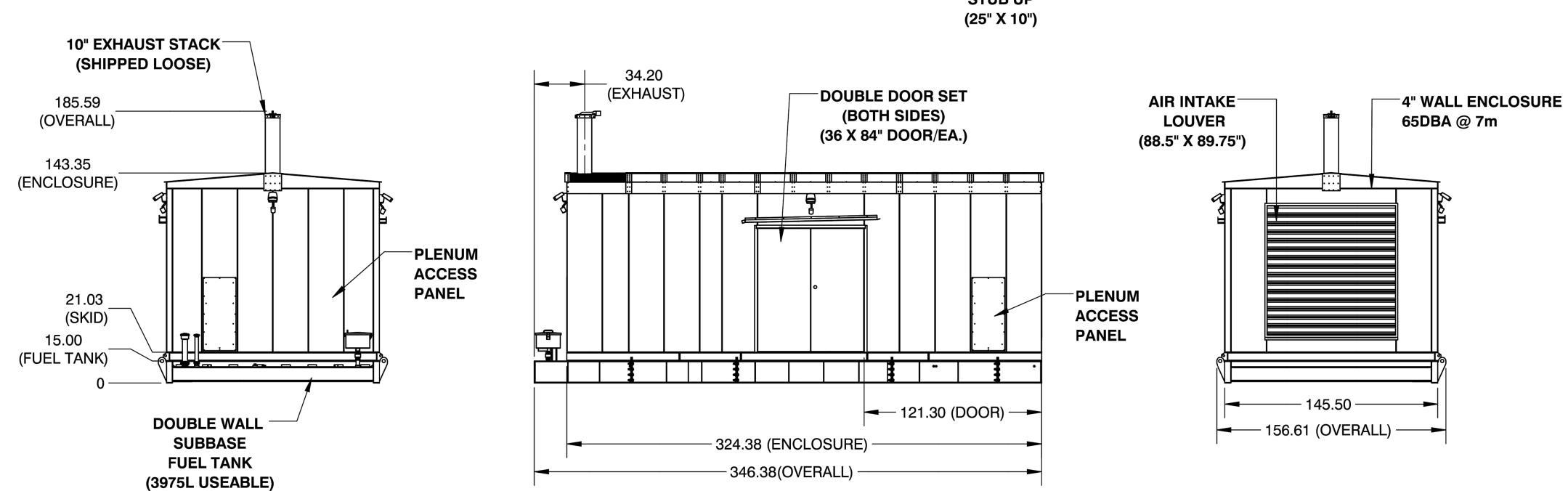
EXTERIOR LIGHTING CONTROL WIRING DIAGRAM N.T.S.



OUTDOOR DIESEL GENERATOR SET

52.36[1330]





OTE:	
ALL DIMENSIONS ARE IN INCHES.	
JNIT IS DESIGNED TO SIT ON A FLAT LEVEL (+/- 1/8" DEVIATION) CONCTRETE PAD.	

ITEM NO.	MODEL NUMBER	DESCRIPTION	WEIGHT(LBS)	PROJECT
1	DG600VM6-CU	600KW, DIESEL GENSET	9180	PROJEC
2	ESF-DG600VM6-WI65	ENCLOSURE SKID FRAME	2100	
3	SBFT-3975L-DG600VM-WI65	3975L USEABLE DUALWALL SUBBASE FUEL TANK	22100	
4	DG600VM6-WI65	WALK-IN ENCLOSURE, 65DBA @ 7m	19730	┨┸

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AND/OR DRAWING ARE NOT TO BE
USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF MISSISSAUGA, ONTARIO, CANADA TOTAL APPROX. WEIGHT (NO FUEL) 53110

Montgomery Sisam Architects Inc. 197 Spadina Avenue, Toronto, Ontario M5T 2C8 montgomerysisam.com Tel 416.364.8079 Fax 416.364.7723

MontgomerySisam

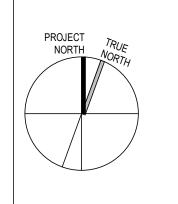
LIGHTING

LIGHTING CONTACTOR SEE

NOTES #2

exp Services Inc. t: +1.905.525.6069 f: +1.905.528.7310 1266 South Service Road Stoney Creek, ON L8E 5R9 CANADA www.exp.com

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3 JUN.02/23 ISSUED FOR SPA RESUBMISSION 2 MAY 12/23 ISSUED FOR MLTC WORKING DRAWING SUBMISSION CB 1 FEB.17/23 ISSUED FOR SITE PLAN APPLICATION revisions C. J. BREDIN 100219748 2023/06/02

Extendicare Orleans

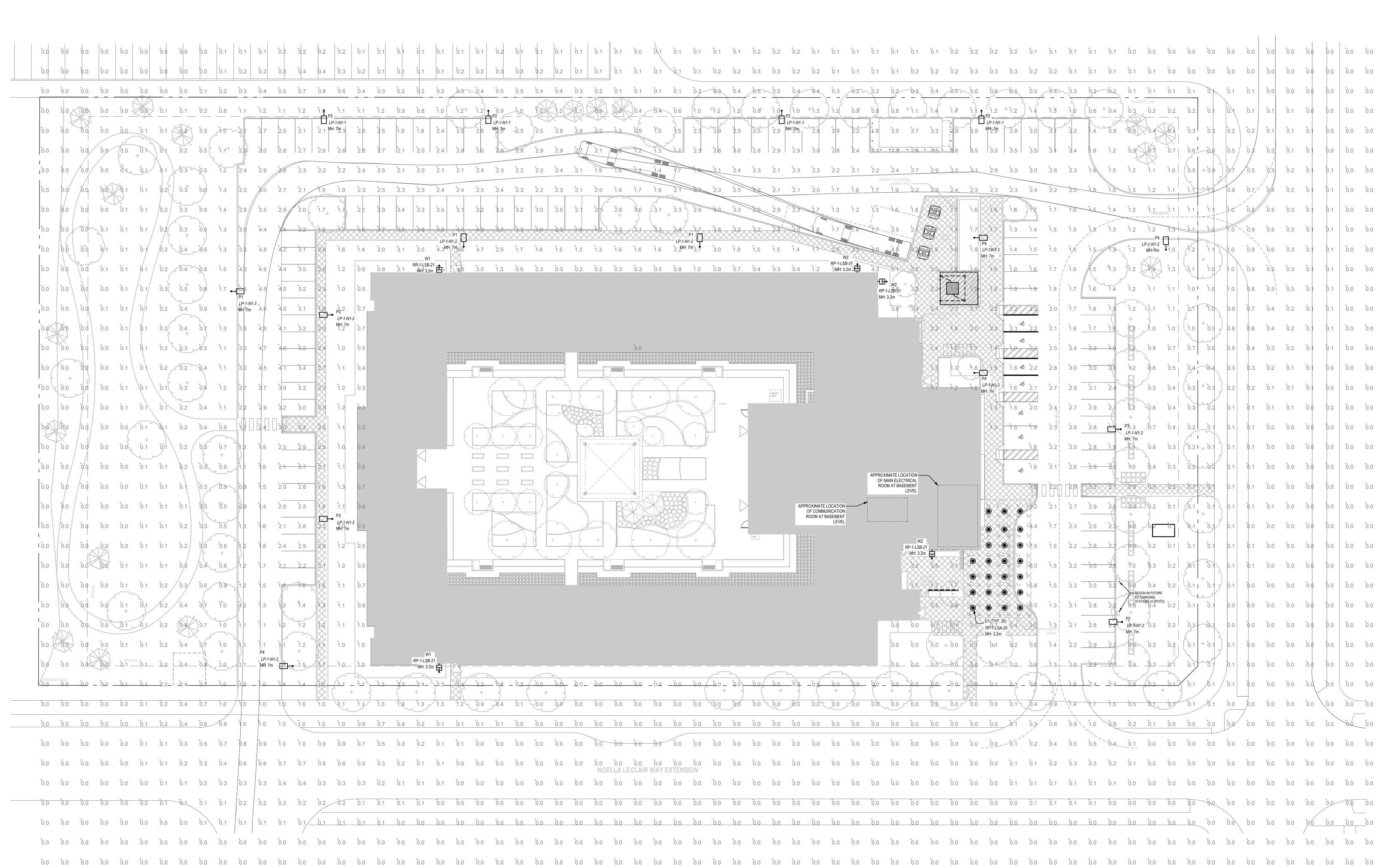
1045 Noella Leclair Street Ottawa, ON

ELECTRICAL SITE DETAILS

scale: drawn by: reviewed by: ALL-22018422-A0 job number: plot date:

drawing number:

E-102



1 PHOTOMETRIC LIGHTING SITE PLAN

Luminaire Schedule								
Qty	Label	Arrangement Description		LLF	Luminaire	Luminaire	Arrangement	Total
					Lumens	Watts	Watts	Watts
25	D1	Single	LFR-4RD-M-15L40K8MD-DM1_LFR-4RD-T-S	0.850	1497	11.8	11.8	295
2	W1	Single	RWL1-48L-25-4K7-3	0.850	3731	28	28	56
3	W2	Single	RWL1-48L-25-4K7-4W	0.850	3679	28	28	84
3	P1	Single	VP-1-160L-100-4K7-2	0.850	13963	97.2	97.2	291.6
4	P2	Single	VP-1-160L-100-4K7-3	0.850	14109	97.2	97.2	388.8
4	P3	Single	VP-1-160L-100-4K7-4W	0.850	13847	97.2	97.2	388.8
4	P4	Single	VP-1-160L-100-4K7-5QW	0.850	14178	97.2	97.2	388.8

Calculation Summary								
Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpcLr	PtSpcTb	
Fc	0.72	8.0	0.0	N.A.	N.A.	10	10	
Fc	17.43	27	8	2.05	3.22	5	5	
Fc	3.00	27.0	0.2	15.00	135.00			
	Fc Fc	Fc 0.72 Fc 17.43	Fc 0.72 8.0 Fc 17.43 27	Fc 0.72 8.0 0.0 Fc 17.43 27 8	Fc 0.72 8.0 0.0 N.A. Fc 17.43 27 8 2.05	Fc 0.72 8.0 0.0 N.A. N.A. Fc 17.43 27 8 2.05 3.22	Fc 0.72 8.0 0.0 N.A. N.A. N.A. 10 Fc 17.43 27 8 2.05 3.22 5	

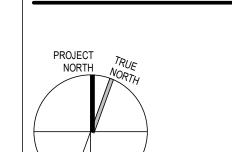
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-XTENDICARE

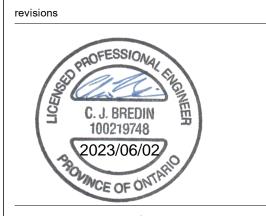
exp Services Inc. t: +1.905.525.6069 f: +1.905.528.7310 1266 South Service Road Stoney Creek, ON L8E 5R9

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SITE LIGHTING PHOTOMETRIC

drawing number:

E-103