

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING MOUNTED LINEAR LUMINAIRE. DIMENSIONS AS SHOWN. REFER TO SCHEDULE FOR TYPE.		CEILING MOUNTED WALL WASHER LUMINAIRE. ILLUMINATION DIRECTION DENOTED BY HATCHED SIDE.
	DENOTES FIXTURE ON EMERGENCY/NIGHT LIGHT CIRCUIT.		CEILING MOUNTED TRACK LIGHTING C/W NUMBER OF FIXTURES.
	WALL MOUNTED LINEAR LUMINAIRE. DIMENSIONS AS SHOWN. REFER TO SCHEDULE FOR TYPE.		WALL MOUNTED LUMINAIRE
	CEILING MTD. LUMINAIRE OR BASKET LUMINAIRE. LAMP ORIENTATION AS SHOWN. REFER TO SCHEDULE FOR TYPE.		PENDANT FIXTURE
	EXISTING LUMINAIRE TO BE REMOVED		CEILING MOUNTED LUMINAIRE
	EXISTING LUMINAIRE TO REMAIN		FLOOR MOUNTED LUMINAIRE
	POLE MOUNTED LUMINAIRE. NUMBER OF HEADS SHOWN. REFER TO SCHEDULE FOR FIXTURE AND POLE TYPE.		TRACK LIGHT WITH PENDANT LUMINAIRE AS INDICATED
	CEILING MOUNTED LUMINAIRE WITH GIMBALLED HEADS. REFER TO SCHEDULE FOR TYPE AND NUMBER OF HEADS.		BOLLARD LUMINAIRE
	VERTICAL WALL MOUNTED FLUORESCENT LUMINAIRE		
	CONTINUOUS STRIP LIGHT. REFER TO SCHEDULE FOR FIXTURE TYPE.		
	STAGGERED COVE LIGHT. DIMENSIONS AND NUMBER OF FIXTURES SHOWN. REFER TO SCHEDULE FOR FIXTURE TYPE.		
	RECESSED CEILING MOUNTED REMOTE ADJUSTABLE LUMINAIRE CONNECTED TO EMERGENCY LIGHTING BATTERY UNIT.		EMERGENCY LIGHTING BATTERY UNIT C/W NUMBER OF HEADS SHOWN
	WALL MOUNTED EMERGENCY SINGLE REMOTE HEAD		EMERGENCY LIGHTING BATTERY UNIT
	WALL MOUNTED EMERGENCY DOUBLE REMOTE HEAD		EMERGENCY LIGHTING BATTERY + EXIT LIGHT COMBINATION UNIT C/W NUMBER OF HEADS SHOWN
	CEILING MOUNTED EMERGENCY SINGLE REMOTE HEAD		EXIT LIGHT CEILING MOUNTED C/W FACES AND ARROWS AS INDICATED
	CEILING MOUNTED EMERGENCY DOUBLE REMOTE HEAD		EXIT LIGHT WALL MOUNTED C/W FACES AND ARROWS AS INDICATED
NOTE: NOT ALL SYMBOLS APPLY. REFER TO FLOOR PLANS AND DRAWINGS			

7 LIGHTING LEGEND 1

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SINGLE POLE LINE VOLTAGE LIGHT SWITCH		
	2 GANG - LINE VOLTAGE LIGHT SWITCH		
	3 GANG - LINE VOLTAGE LIGHT SWITCH		
	3 WAY - LINE VOLTAGE LIGHT SWITCH		
	4 WAY - LINE VOLTAGE LIGHT SWITCH		
	LOW VOLTAGE LIGHT SWITCH		
	KEY OPERATED LINE VOLTAGE SWITCH		
	MASTER SWITCH		
	ALL-OFF SWITCH		
	SINGLE POLE 347V SWITCH		
	DIMMER TYPE TO SUIT LOAD		
	CEILING MOUNTED PHOTO CELL SWITCH		
	WALL MOUNTED PHOTO CELL SWITCH		
	DAY LIGHT PHOTO SENSOR		
	TIME SWITCH		
	CEILING MOUNTED OCCUPANCY SENSOR. TYPE DENOTED BY 'X'. REFER TO OCCUPANCY SENSOR SCHEDULE.		
	WALL MOUNTED OCCUPANCY SENSOR. TYPE DENOTED BY 'X'. REFER TO OCCUPANCY SENSOR SCHEDULE.		
	LIGHTING CONTROL MODULE		
	MULTI-ZONE LIGHTING CONTROL PANEL		
	REMOTE STATION WITH PRESET SCENE SELECTION BUTTON		
	PARTITION POSITION INFRARED SENSOR FOR LIGHTING CONTROL		
NOTE: NOT ALL SYMBOLS APPLY. REFER TO FLOOR PLANS AND DRAWINGS			

8 LIGHTING LEGEND 2

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ALARM INITIATING DEVICES			
	CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR		AIR SAMPLING SYSTEM C/W SUPERVISORY AND ALARM ZONE
	WALL MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR		MANUAL PULL STATION
	CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR C/W RELAY BASE		ALARM FLOW SWITCH (SUPPLIED BY OTHERS)
	CEILING MOUNTED RATE-OF-RISE HEAT DETECTOR		ALARM PRESSURE SWITCH (SUPPLIED BY OTHERS)
	WALL MOUNTED RATE-OF-RISE HEAT DETECTOR		ALARM CHECK VALVE (SUPPLIED BY OTHERS)
	CEILING MOUNTED FIXED TEMPERATURE HEAT DETECTOR		ALARM DRY PIPE VALVE (SUPPLIED BY OTHERS)
	WALL MOUNTED FIXED TEMPERATURE HEAT DETECTOR		BEAM SMOKE DETECTOR (TRANSMITTER)
	DUCT TYPE PHOTO-ELECTRIC SMOKE DETECTOR		BEAM SMOKE DETECTOR (RECEIVER)
	CEILING MOUNTED COMBINATION HEAT + SMOKE DETECTOR		FLAME DETECTOR
	LOCAL 120V SMOKE ALARM		
	LOCAL 120V COMBINATION CARBON MONOXIDE AND SMOKE ALARM		
	LOCAL 120V CARBON MONOXIDE DETECTOR		
	LOCAL 120V COMBINATION STROBE AND SMOKE ALARM		
SUPERVISORY INITIATING DEVICES			
	LOW PRESSURE SUPERVISED SWITCH (SUPPLIED BY OTHERS)		
	SPRINKLER SUPERVISED VALVE (SUPPLIED BY OTHERS)		
NOTE: NOT ALL SYMBOLS APPLY. REFER TO FLOOR PLANS AND DRAWINGS			

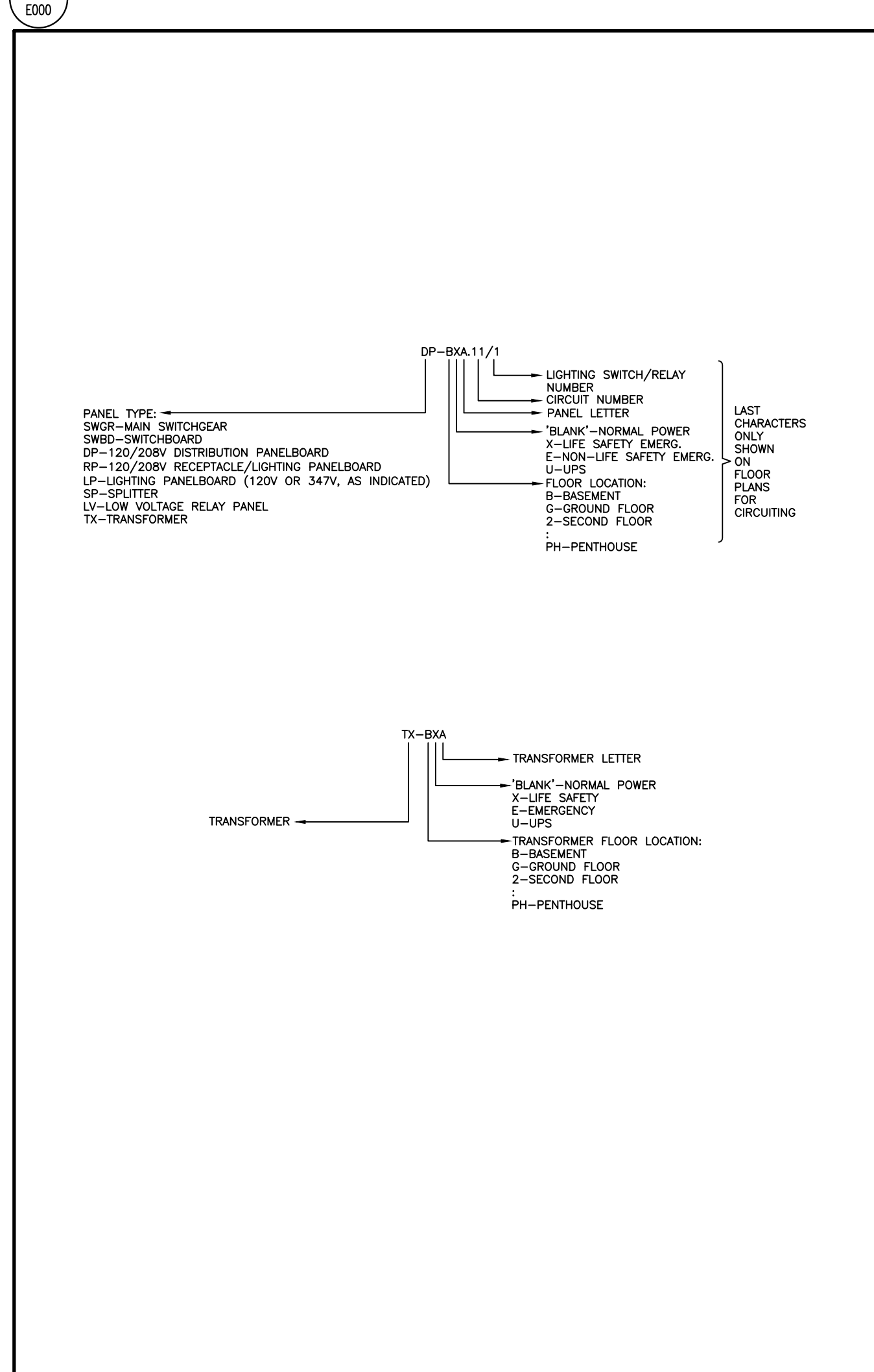
5 FIRE ALARM LEGEND 1

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
SIGNALLING DEVICES			
	HORN		CEILING MOUNTED EMERGENCY EVACUATION SPEAKER
	DOUBLE SIDED HORN		WALL MOUNTED EMERGENCY EVACUATION SPEAKER
	HORN+STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.		CEILING MOUNTED EMERGENCY EVACUATION SPEAKER + STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	DOUBLE SIDED HORN+STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.		WALL MOUNTED EMERGENCY EVACUATION SPEAKER + STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	MINI HORN		
	SPEAKER HORN		
	FIRE ALARM BELL, 103mm(4") UNLESS OTHERWISE NOTED.		CEILING MOUNTED FIRE ALARM STROBE. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	FIRE ALARM BELL/STROBE, 103mm(4") BELL UNLESS OTHERWISE NOTED. 15CD INTENSITY UNLESS OTHERWISE NOTED.		WALL MOUNTED FIRE ALARM STROBE. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	10 MINUTES SILENCE SWITCH FOR SPEAKERS IN SUITES		
ANCILLARY DEVICES			
	ISOLATION MODULE		TROUBLE AND ALARM CONNECTION TO PRE-ACTION CONTROL PANEL
	FIELD INSTALLED ADDRESSABLE CONTROL POINT		FLOOR MOUNTED DOOR HOLD OPEN DEVICE
	"FIRE, DO NOT ENTER" SIGN		WALL MOUNTED DOOR HOLD OPEN DEVICE
	FIRE ALARM PASSIVE GRAPHIC		FIRE ALARM PANEL CONTROL, DCP OR ANNUNCIATOR AS NOTED.
	VIDEO DISPLAY TERMINAL, FOR BUILDING OPERATIONS PERSONNEL		END-OF-LINE RESISTOR TERMINATION
	SUPERVISED FIRE FIGHTERS HAND SET		SMOKE DAMPER, USED IN CONJUNCTION WITH MONITORING DEVICE FOR POSITION ANNUNCIATION AND CONTROL DEVICE
	FIRE ALARM SHUT DOWN		
	FIRE ALARM START UP		
	REMOTE TESTING STATION FOR DUCT SMOKE DETECTORS		
	FIELD INSTALLED MONITORING MODULE FOR ALARM OR SUPERVISORY		
NOTE: NOT ALL SYMBOLS APPLY. REFER TO FLOOR PLANS AND DRAWINGS			

6 FIRE ALARM LEGEND 2

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WALL MOUNTED VOICE AND DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		WALL MOUNTED VOICE OUTLET FOR EMERGENCY PHONE STATION. CABLE TYPE AS PER SPECIFICATION.
	WALL MOUNTED ABOVE COUNTER VOICE AND DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		WALL MOUNTED ABOVE COUNTER VOICE OUTLET FOR EMERGENCY PHONE STATION. CABLE TYPE AS PER SPECIFICATION.
	WALL MOUNTED VOICE OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		COMMUNICATIONS INTERCOM
	WALL MOUNTED ABOVE COUNTER VOICE OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		SERVICE POLE MOUNTED VOICE AND DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.
	WALL MOUNTED DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		RACEWAY MOUNTED VOICE AND DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.
	WALL MOUNTED ABOVE COUNTER DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		COAXIAL CATV OUTLET
	FLOOR MOUNTED VOICE AND DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		MAIN CABLE SUPPORT ROUTE FOR COMMUNICATIONS CABLING
	FLOOR MOUNTED VOICE OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		COMMUNICATIONS BOX
	FLOOR MOUNTED DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		POWER ZONE BOX
	FURNITURE MOUNTED VOICE AND DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		TELEPHONE ZONE BOX
	FURNITURE MOUNTED VOICE OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		
	FURNITURE MOUNTED DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		
	CEILING MOUNTED VOICE AND DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		
	CEILING MOUNTED DATA OUTLET(S). CABLE TYPE AS PER SPECIFICATION.		
NOTE: NOT ALL SYMBOLS APPLY. REFER TO FLOOR PLANS AND DRAWINGS			

3 DATA AND COMMUNICATIONS LEGEND



4 DESIGNATION DIAGRAM

ELECTRICAL DRAWING LIST	
Sheet Number	Sheet Title
GENERAL	
E000	DRAWING LIST AND LEGEND
E001	LEGEND
ELECTRICAL STANDARD DETAILS	
E002	ELECTRICAL DETAILS
E003	ELECTRICAL DETAILS
E004	ELECTRICAL DETAILS
SITE PLAN	
E100	SITE PLAN - ELECTRICAL
SCHEMATICS AND DIAGRAMS	
E200	SINGLE LINE DIAGRAM
POWER AND SYSTEMS	
E300	GROUND LEVEL - POWER AND SYSTEMS
E301	SECOND LEVEL - POWER AND SYSTEMS
E302	ROOF - POWER AND SYSTEMS
LIGHTING	
E400	GROUND LEVEL - LIGHTING
E401	SECOND LEVEL - LIGHTING
PART PLANS AND DETAILS	
E500	ENLARGED PLANS

1 DRAWING LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DETAIL NUMBER		SECTION NUMBER
	DRAWING NUMBER		DRAWING NUMBER
	REVISION NUMBER		REVISION BUBBLE
A	AMPS	MO	MOTOR OPERATED
AD	ACCESS DOOR	MOD	MOTOR OPERATED DAMPER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MW	MICROWAVE
AFF	ABOVE FINISHED FLOOR	N	NEW
BBH	BASEBOARD HEATER	NC	NORMALLY CLOSED
BU	BATTERY UNIT	NIC	NOT IN CONTRACT
C	CONDUIT	NL	NIGHT LIGHT
CD	CANDELA	NO	NORMALLY OPEN
CL	CEILING MOUNTED	OC	OVER COUNTER
CS	CHARGING STATION	OL	OBSTRUCTION LIGHT
CV	CONVENTIONAL STYLE DEVICE	P	PARABOLIC LOUVRE
D	DEDICATED	PL	PATIENT LIFT
DG	DEDICATED GROUND	R	RELOCATE
DHW	DOMESTIC HOT WATER TANK	RA	RANGE
DNC	DEDICATED NEUTRAL + BOND	RC	REVISE EXISTING CIRCUIT
DR	LAUNDRY DRYER	RH	RANGE HOOD
DW	DISHWASHER	RIC	ROUGH IN AND CONNECT
E	EXISTING	RO	ROUGH IN ONLY
EF	EXHAUST FAN	RR	REMOVE AND REINSTALL
EM	EMERGENCY CIRCUIT	SC	SEPARATE CIRCUIT
EP	ELECTRICAL SUITE PANEL	SF	SYSTEM FURNITURE
ER	EXISTING TO BE REMOVED	SP	SUITE ALARM PANEL
F	REFRIGERATOR	SSP	SLAVE SUITE ALARM PANEL
FF	FLOOR FEED	TYP	TYPICAL
FFH	FORCE FLOW HEATER	UC	UNDER CABINET MOUNTED
FL	FLOOR MOUNTED	U	UPS CIRCUIT
GFCl	GROUND FAULT CIRCUIT INTERRUPTER	UH	UNIT HEATER
GFI	GROUND FAULT INTERRUPTER	UPS	UNINTERRUPTIBLE POWER SUPPLY
GND	GROUND	V	VOLTS
HK	HOUSE KEEPING	W	WATTS
HMT	HARMONIC MITIGATING TRANSFORMER	WG	WIRE GUARD
ICE	ICE MACHINE	WAP	WIRELESS ACCESS POINT
IG	ISOLATED GROUND	WF	WALL FEED
JB	JUNCTION BOX	WP	WEATHERPROOF
KW	KILOWATTS	X	EXPLOSION PROOF DEVICE + BACK BOX
LV	LOW VOLTAGE	ZSCT	ZERO SEQUENCE CURRENT TRANSFORMER
NOTE: NOT ALL SYMBOLS APPLY. REFER TO FLOOR PLANS AND DRAWINGS			

2 GENERAL LEGEND AND ABBREVIATIONS

Contractor must check and verify all dimensions on the job, and report any discrepancies to the Architect before proceeding with the work. Do not scale this drawing.

REVISIONS AND ISSUES

REV	DESCRIPTION	DATE	BY
1	ISSUED FOR COSTING	2021.08.17	
2	ISSUED FOR TENDER	2021.08.27	
3	ISSUED FOR BUILDING PERMIT	2021.09.09	
4	ISSUED FOR REVISED TENDER/BUILDING PERMIT	2022.01.31	
5			
6			
7			
8			

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NORTH ARROW

SEAL



PROJECT TITLE

NEW SAYERS FOOD STORE
BURLINGHAM STREET, APSLEY

DRAWING TITLE

DRAWING LIST AND LEGEND

SCALE

NTS

DATE

JUNE 16, 2021

PROJECT NUMBER

21376.000.e001

DRAWING NUMBER

E000

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ACCESS CONTROL			
	ACCESS CONTROL SYSTEM PANEL		KEY SWITCH
	ACCESS CONTROL SYSTEM SERVER		LATCH BOLT MONITOR
	AUTOMATIC DOOR OPERATOR		LATCH BOLT MONITOR REQUEST TO EXIT
	BIOMETRIC READER		MAGLOCK KEY RESET SWITCH
	CARD READER		MAGNETIC DOOR HOLD/OPEN DEVICE
	CENTRAL MANAGEMENT STATION		MAGNETIC LOCK
	DOOR ALARM		MOTION REQUEST TO EXIT
	DOOR CONTACT		POWER SUPPLY CONTROL UNIT
	ELECTRIC DOOR HOLD/OPEN DEVICE		PUSH BUTTON DOOR OPERATOR
	ELECTRIC LATCH RETRACTION		PUSH BUTTON REQUEST TO EXIT
	ELECTRIC MORTISE LOCK		REMOTE RELEASE
	ELECTRIC STRIKE		RF NODE
	GATEWAY		RF RECEIVER
	IP DOOR CONTROLLER		SECURITY DOOR TAG, XX DENOTES TYPE
	KEY ENCODER		WIRELESS LOCK
REAL TIME LOCATING SYSTEM (RTL)			
	LOW FREQUENCY EXCITER		RF READER MASTER
	INFRARED READER		RF READER
	REMOTE DISPLAY UNIT		RF ETHERNET READER
	LOCAL AREA RECEIVER		RF LONG RANGE READER
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

5 SECURITY LEGEND 1
E001

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ELECTRONIC PERSONAL PROTECTION			
	EMERGENCY PHONE STATION		DURESS ALARM STATION
	STROBE LIGHT		PANIC ALARM RECEIVER
	PANIC BUTTON		ASSISTANCE REQUIRED SIGN
INTERCOM LEGEND			
	INTERCOM		MASTER INTERCOM
	ENTRY PHONE CONSOLE		
CCTV			
	FIXED CAMERA		CCTV SYSTEM SERVER
	PAN-TILT-ZOOM CAMERA		POWER INJECTOR
	PERSONAL COMPUTER		VIDEO MONITOR
	COMPUTER MONITOR		FIXED CCTV CAMERA HORIZONTAL ANGLE OF VIEW
	DIGITAL VIDEO RECORDER		LCD MONITOR, SIZE AS INDICATED
	NETWORK VIDEO RECORDER		
INTRUSION DETECTION			
	SIREN		INTRUSION DETECTION SYSTEM PANEL
	BREAK GLASS SENSOR		POWER SUPPLY
	MOISTURE SENSOR		WALL MOUNTED SECURITY MOTION SENSOR
	KEYPAD		CEILING MOUNTED SECURITY 360° MOTION SENSOR
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

6 SECURITY LEGEND 2
E001

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	ISOLATION TRANSFORMER - DELTA-WYE UNLESS OTHERWISE NOTED.		GROUND FAULT ALARM RELAY
	ISOLATION TRANSFORMER WITH ELECTROSTATIC SHIELD - DELTA-WYE UNLESS OTHERWISE NOTED.		IP BASED POWER QUALITY DIGITAL METER, PROVIDE 21mm(3/4") CONDUIT TO NEAREST TELECOM ROOM.
	MOLDED CASE CIRCUIT BREAKER, SIZE AS SHOWN		EMERGENCY GENERATOR
	LOW VOLTAGE, DRAW-OUT CIRCUIT BREAKER, TRIP PLUG AND FRAME SIZE AS SHOWN		GROUND CONNECTION POINT
	DRAW-OUT VACUUM CIRCUIT BREAKER, PROTECTIVE RELAY FUNCTIONS AND FRAME SIZE AS SHOWN.		ELECTRONIC TRIP SETTING CONTROL (GROUND FAULT)
	FUSIBLE LOAD BREAK ISOLATION SWITCH, VOLTAGE, FUSE AND FRAME SIZE AS SHOWN.		GROUND LOOP
	FUSE		HIGH RESISTANCE GROUND FAULT SYSTEM
	INSULATED CASE CIRCUIT BREAKER		LIGHTNING SURGE ARRESTOR
	INTEGRAL BREAKER AND STARTER UNIT, BREAKER AND FRAME SIZE AS SHOWN		LOAD BANK
	INTEGRAL SWITCH AND FUSE UNIT, FUSE AND FRAME SIZE AS SHOWN		ELECTRONIC TRIP SETTING CONTROL (LONG, SHORT)
	LOAD BREAK ISOLATION SWITCH, VOLTAGE AND FRAME SIZE AS SHOWN.		ELECTRONIC TRIP SETTING CONTROL (LONG, SHORT, INSTANTANEOUS)
	AUTOMATIC TRANSFER SWITCH WITH BY-PASS		ELECTRONIC TRIP SETTING CONTROL (LONG, SHORT, INSTANTANEOUS, GROUND FAULT)
	AUTOMATIC TRANSFER SWITCH WITHOUT BY-PASS		METERING SOCKET
	FIRE PUMP AUTOMATIC TRANSFER SWITCH AND STARTER UNIT (BY OTHERS)		METERING CABINET
	MANUAL TRANSFER SWITCH OR DOUBLE THROW SWITCH		DIGITAL ELECTRONIC METER
	AMMETER		SURGE PROTECTION DEVICE
	AUTO-TRANSFORMER		
	BATTERY		
	CONTACTOR		
	CURRENT TRANSFORMER		
	CURRENT TRANSFORMER (Z.S. - DENOTES ZERO SEQUENCE)		
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

3 SINGLE LINE DIAGRAM LEGEND 1
E001

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	POTENTIAL TRANSFORMER		KEY INTERLOCK SYSTEM - ONE KEY
	ZERO SEQUENCE CURRENT TRANSFORMER		KEY INTERLOCK SYSTEM - N LOCKS, N-1 KEYS UNLESS NOTED OTHERWISE
	UPS DIODE		ELECTRONIC INTERLOCK SYSTEM - N LOCKS
	VOLTAGE INDICATOR		MEDIUM VOLTAGE CABLE TERMINATION POINT WITH STRESS CONE
	DENOTES CONNECT 'ED' LOAD APPLIED TO DESIGNATED APPARATUS.		ELECTRONIC TRANSFORMER TEMPERATURE RELAY
	AUTOMATIC POWER FACTOR CORRECTION CAPACITOR SYSTEM, SIZE AS SHOWN, COMPLETE WITH TUNED INPUT FILTER. HIGH RESISTANCE GROUNDING RESISTOR - MAXIMUM CONTINUOUS AMPS AS SHOWN		POWER METER
	RELAY FUNCTION NUMBER		DIGITAL TRIP UNIT WITH METERING FUNCTION
			SHUNT TRIP
			IP BASED GATEWAY FOR POWER MONITORING
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

4 SINGLE LINE DIAGRAM LEGEND 2
E001

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		WALL MOUNTED COMBINATION COMMS./QUADPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO DETAIL.
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		FLOOR OR CEILING MOUNTED (AS SHOWN) COMBINATION COMMUNICATION / QUADPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO CORRESPONDING DETAIL.
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R (T-SLOT)		FLOOR POKE THROUGH COMBINATION COMMUNICATION / QUADPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO CORRESPONDING DETAIL.
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R (T-SLOT)		FLOOR POKE THROUGH AS ABOVE WITH AUDIO/VISUAL REQUIREMENT. REFER TO DETAIL.
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R, DEDICATED CIRCUIT		WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R, DEDICATED CIRCUIT
	WALL MOUNTED, SPLIT SWITCH CONTROLLED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		FLOOR OR CEILING MOUNTED (AS SHOWN) DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO CORRESPONDING DETAIL.
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R		FLOOR POKE THROUGH COMBINATION COMMUNICATION / DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R. REFER TO CORRESPONDING DETAIL.
	WALL MOUNTED ABOVE COUNTER DUPLEX GROUND FAULT RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		FLOOR POKE THROUGH AS ABOVE WITH AUDIO/VISUAL REQUIREMENT. REFER TO DETAIL.
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, 2 POLE, SPLIT CIRCUIT		SYSTEMS FURNITURE FEED POINT FOR POWER & COMMS. CABLING, LETTER DENOTES FEED LOCATION: W= WALL, F= FLOOR, P= PAC POLE, WM = WIREMOLD POLE, SPLIT CIRCUIT
	WALL MOUNTED DUPLEX RECEPTACLE 250 VOLT, 15 AMP, 3P CSA 15-15R		CEILING MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	SPECIAL RECEPTACLE, TYPE AND DETAILS AS NOTED ON DRAWING.		CEILING MOUNTED SIMPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED ABOVE COUNTER SIMPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R		CEILING MOUNTED QUADPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED SIMPLEX RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R		FLOOR MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED SIMPLEX RECEPTACLE 250 VOLT, 30 AMP, CSA 14-30R		FLOOR MOUNTED QUADPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED SIMPLEX RECEPTACLE 120 VOLT, 30 AMP, CSA 5-30R		RACEWAY RECEPTACLE, TYPE AS SPECIFIED C/W QUANTITY OF DEVICES INDICATED
	WALL MOUNTED SIMPLEX RECEPTACLE 250 VOLT, 50 AMP, CSA 14-50R		SERVICE POLE, TYPE AS SPECIFIED C/W QUANTITY OF DEVICES INDICATED
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

1 POWER LEGEND 1
E001

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FLUSH MOUNTED SINGLE TUB PANEL. RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE.		CONTACTOR
	FLUSH MOUNTED DOUBLE TUB PANEL. RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE.		GROUND ROD WITH INSPECTION PIT
	SURFACE MOUNTED SINGLE TUB PANEL. RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE.		THERMOSTAT-16mm (1/2") CONDUIT TO ACCESSIBLE CEILING SPACE
	SURFACE MOUNTED DOUBLE TUB PANEL. RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE.		JUNCTION BOX (SIZE SPECIFIED ON DRAWING)
	TRANSFORMER (SIZE NOTED ON SINGLE LINE DIAGRAM)		ELECTRIC UNIT HEATER
	DISCONNECT		ELECTRIC BASEBOARD HEATER, 'X' DENOTES TYPE. REFER TO BASEBOARD HEATER SCHEDULE.
	COMBINATION MANUAL STARTER WITH INTEGRAL DISCONNECT		GROUND BAR
	COMBINATION STARTER WITH INTEGRAL DISCONNECT		HAND DRYER HARD WIRED CONNECTION
	DIRECT CONNECTION		METER
	DIRECT CONNECTION C/W DISCONNECT		RELAY
	MOTOR C/W DISCONNECT		PULL BOX
	MOTOR C/W RELAY DISCONNECT		GROUND BUS
	MOTOR C/W COMBINATION STARTER WITH INTEGRAL DISCONNECT		DENOTES RECEPTACLE TYPE. REFER TO RECEPTACLE SCHEDULE.
	VARIABLE FREQUENCY DRIVE AND VFD CABLE CONNECTION TO MOTOR. LINE AND LOAD SIDE WIRING OF HARMONIC FILTER AND VFD BY ELECTRICAL CONTRACTOR. MOTOR, VFD AND HARMONIC FILTER SUPPLIED BY MECHANICAL DIVISION.		UTILITY METERING CABINET
	VARIABLE FREQUENCY DRIVE, LINE AND LOAD SIDE WIRING OF HARMONIC FILTER AND VFD BY ELECTRICAL CONTRACTOR. LOAD SIDE WIRING OF VFD TO BE VFD CABLE, VFD AND HARMONIC FILTER SUPPLIED BY MECHANICAL DIVISION.		DOOR BELL/CHIME
	HARMONIC FILTER (SUPPLIED BY MECH. CONTRACTOR UNLESS NOTED OTHERWISE.) LINE AND LOAD SIDE WIRING OF HARMONIC FILTER BY ELECTRICAL CONTRACTOR.		CLOCK WALL MOUNTED
			CLOCK CEILING MOUNTED
			PUSH BUTTON
			MOTOR
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

2 POWER LEGEND 2
E001

Contractor must check and verify all dimensions on the job, and report any discrepancies to the Architect before proceeding with the work. Do not scale this drawing.

REVISIONS AND ISSUES			
REV	DESCRIPTION	DATE	BY
1	ISSUED FOR COSTING	2021.08.19	
2	ISSUED FOR TENDER	2021.08.27	
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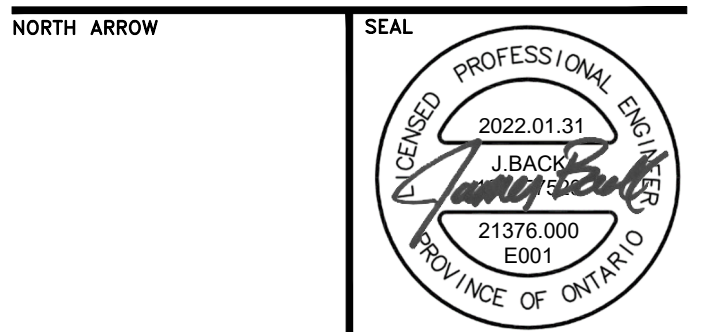
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PROJECT TITLE
**NEW SAYERS FOOD STORE
BURLINGHAM STREET, APSLEY**

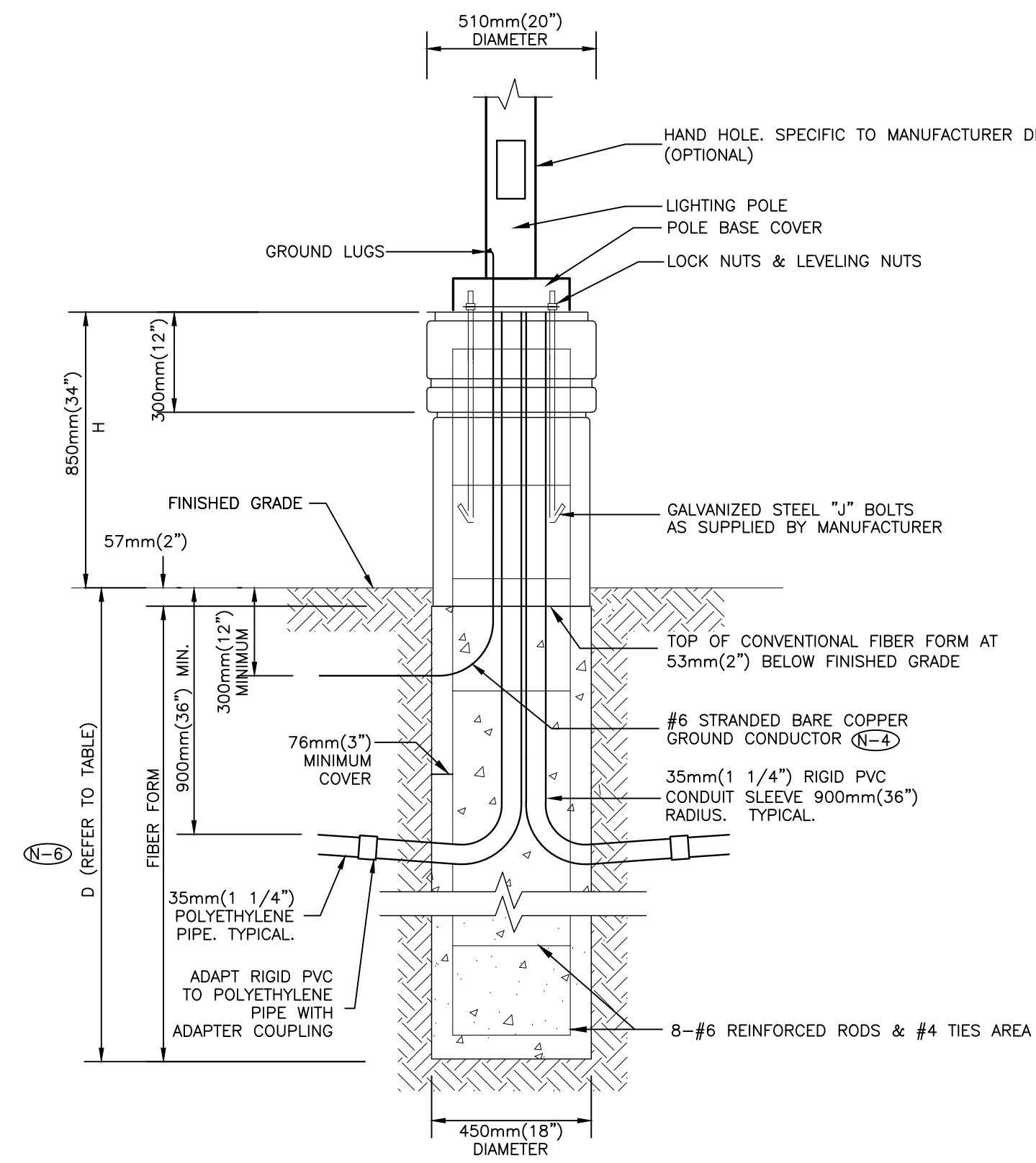
DRAWING TITLE
LEGEND

SCALE
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DATE
JUNE 16, 2021

PROJECT NUMBER
21376.000.e001
DRAWING NUMBER

E001

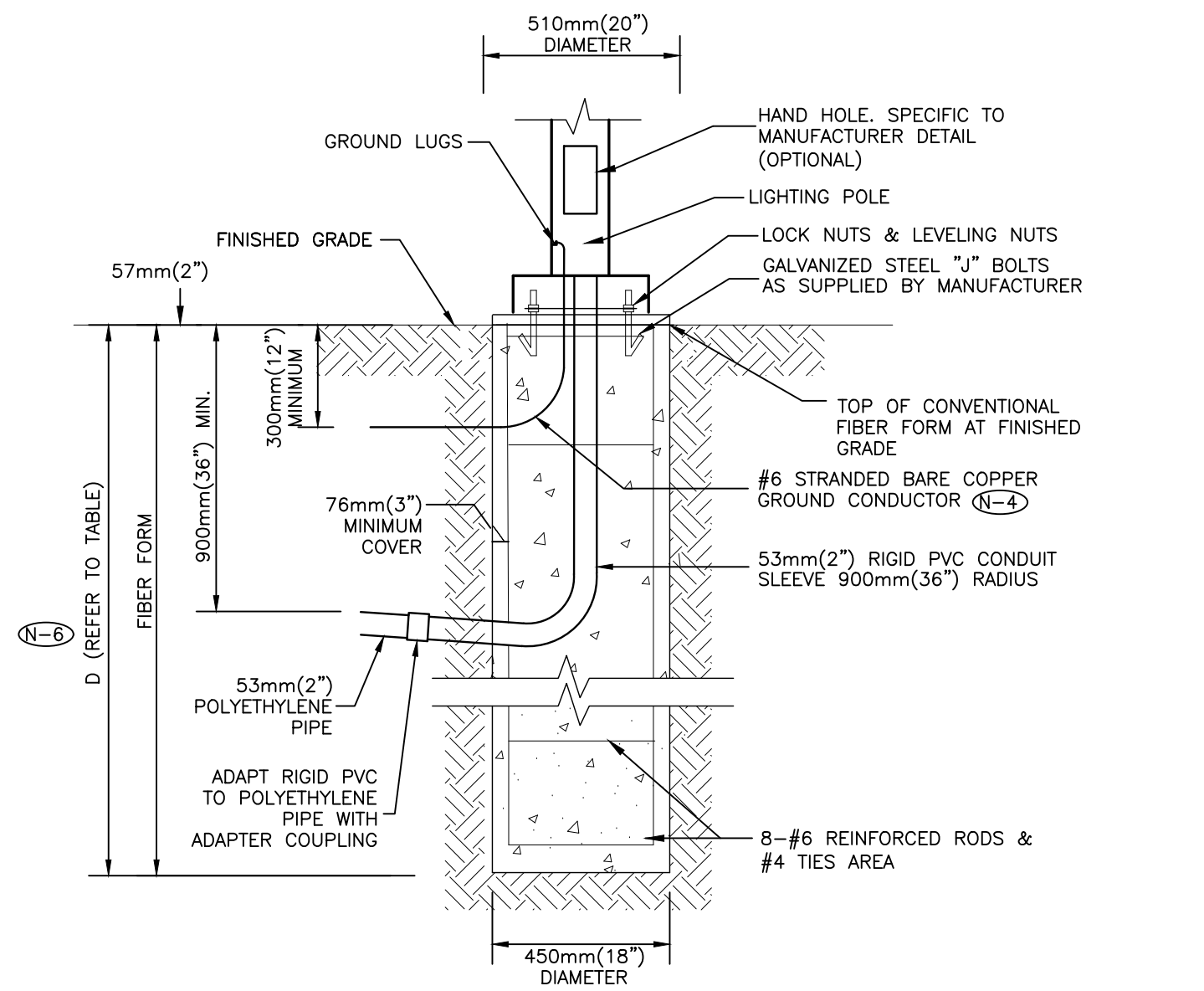


NOTES:

- (N-1) TOP OF FOUNDATION SHALL BE TROWELLED SMOOTH & LEVEL.
- (N-2) CLASS OF CONCRETE SHALL BE 25MPa (3500 P.S.I.) CONCRETE SHALL BE VIBRATED.
- (N-3) MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONC. FOUNDATION UNLESS OTHERWISE SHOWN.
- (N-4) PROVIDE A 20mm (0.75") DIAMETER 3000mm(10') STEEL COPPER COATED GROUND ROD ADJACENT TO POLES AS SPECIFIED ON PLAN AND CONNECT TO METAL POLE WITH BARE COPPER CONDUCTOR.
- (N-5) CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.
- (N-6) SUBJECT TO SOIL CONDITIONS, REFER TO SOIL REPORT.
- (N-7) FORM RELEASE AGENT HAS BEEN FACTORY-APPLIED TO INSIDE SURFACE OF "A"FORM.
- (N-8) CHAMFER ALL EDGES ABOVE GRADE.
- (N-9) SOIL BEARING CAPACITY AND CONCRETE BASE DIMENSIONS TO BE CONFIRMED BY ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
- (N-10) FOR FINISHING, REFER TO ARCHITECTURAL PLANS.
- (N-11) HEIGHTS VARIES, REFER TO ARCHITECTURAL PLANS.
- (N-12) FOR EXACT CONCRETE, REBAR, AND DEPTH SEE STRUCTURAL ENGINEERING DRAWINGS.
- (N-13) POLE TO BE GROUNDED.
- (N-14) THIS DETAIL IS PROVIDED FOR INSTALLATION REQUIREMENTS WHERE THE ARCHITECTURAL DRAWINGS DO NOT SPECIFY A BASE DETAIL. THIS DETAIL SHALL BE USED FOR ELECTRICAL INSTALLATION REQUIREMENTS. COORDINATE ALL SITE WORK WITH THE ARCHITECTURAL DRAWINGS.

POLE LENGTH		BASE BURIAL DEPTH D		REINFORCED ROD LENGTH	
(ft.)	(m)	(ft.)	(m)	(ft.)	(m)
10	3.0	5	1.50	H + 4.5	H + 1.35
19	5.6	7	2.15	H + 6.5	H + 2
23	7.0	7	2.15	H + 6.5	H + 2
25	7.5	7	2.15	H + 6.5	H + 2
29	8.7	8	2.45	H + 7.5	H + 2.3
30	9.0	8	2.45	H + 7.5	H + 2.3
35	10.5	8.5	2.60	H + 8.0	H + 2.45

4 HIGH BASE ARTFORM LIGHTING POLE, FLAGPOLE, FLOODLIGHT, SIGN AND CONCRETE BASE FOR PARKING AREAS
SCALE: N.T.S.

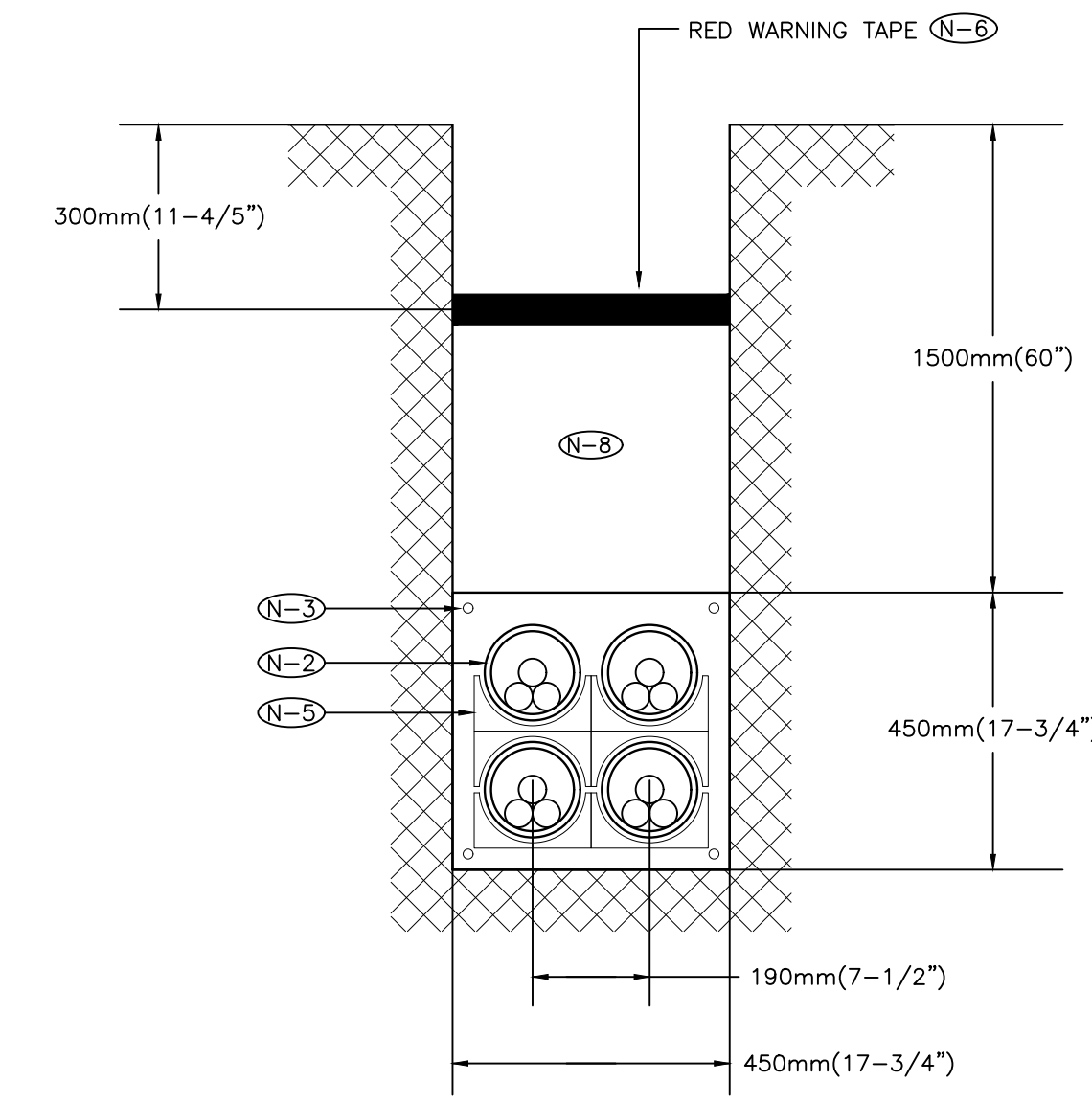


NOTES:

- (N-1) TOP OF FOUNDATION SHALL BE TROWELLED SMOOTH & LEVEL.
- (N-2) CLASS OF CONCRETE SHALL BE 25MPa (3500 P.S.I.) CONCRETE SHALL BE VIBRATED.
- (N-3) MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONC. FOUNDATION UNLESS OTHERWISE SHOWN.
- (N-4) PROVIDE A 20mm (0.75") DIAMETER 3000mm(10') STEEL COPPER COATED GROUND ROD ADJACENT TO POLES AS SPECIFIED ON PLAN AND CONNECT TO METAL POLE WITH BARE COPPER CONDUCTOR.
- (N-5) CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.
- (N-6) SUBJECT TO SOIL CONDITIONS, REFER TO SOIL REPORT.
- (N-7) CHAMFER ALL EDGES ABOVE GRADE.
- (N-8) SOIL BEARING CAPACITY AND CONCRETE BASE DIMENSIONS TO BE CONFIRMED BY ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
- (N-9) FOR FINISHING, REFER TO ARCHITECTURAL PLANS.
- (N-10) HEIGHTS VARY, REFER TO ARCHITECTURAL PLANS.
- (N-11) FOR EXACT CONCRETE, REBAR, AND DEPTH SEE STRUCTURAL ENGINEERING DRAWINGS.
- (N-12) POLE TO BE GROUNDED.
- (N-13) THIS DETAIL IS PROVIDED FOR INSTALLATION REQUIREMENTS WHERE THE ARCHITECTURAL DRAWINGS DO NOT SPECIFY A BASE DETAIL. THIS DETAIL SHALL BE USED FOR ELECTRICAL INSTALLATION REQUIREMENTS. COORDINATE ALL SITE WORK WITH THE ARCHITECTURAL DRAWINGS.

POLE LENGTH		BASE BURIAL DEPTH D		REINFORCED ROD LENGTH	
(ft.)	(m)	(ft.)	(m)	(ft.)	(m)
10	3.0	5	1.50	H + 4.5	H + 1.35
19	5.6	7	2.15	H + 6.5	H + 2
23	7.0	7	2.15	H + 6.5	H + 2
25	7.5	7	2.15	H + 6.5	H + 2
29	8.7	8	2.45	H + 7.5	H + 2.3
30	9.0	8	2.45	H + 7.5	H + 2.3
35	10.5	8.5	2.60	H + 8.0	H + 2.45

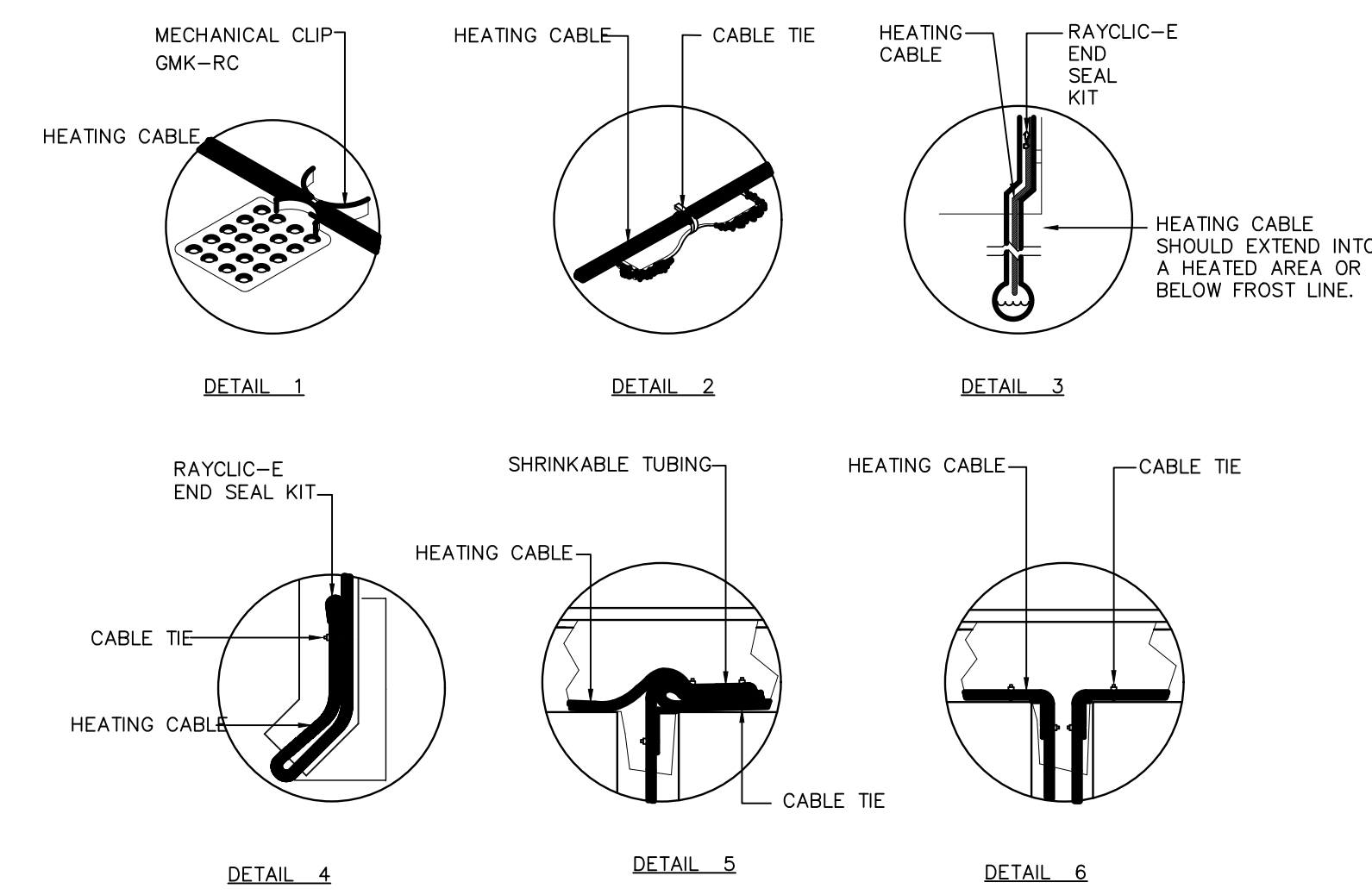
5 LOW BASE PEDESTRIAN WALKWAY LIGHTING POLE ON FINISHED GRADE CONCRETE BASE DETAIL
SCALE: N.T.S.



NOTES:

- (N-1) 9mm (3/8") POLYPROPYLENE ROPE REQUIRED IN ALL DUCTS
- (N-2) REFER TO SITE PLAN FOR CONDUIT SIZE IN 20 MPa CONCRETE. FOR INCOMING SERVICES TO RIVER VALLEY PARK SOUTH DUCTS ARE TO BE 103mm (4") I.D.
- (N-3) 16mm (1/2") REINFORCING RODS
- (N-4) PROVIDE BELL ENDS AT TERMINATION OF ALL DUCTS
- (N-5) PRE-FABRICATES DUCT SPACER AND HOLDERS
- (N-6) RED WARNING TAPE TO EXTEND THE FULL WIDTH OF TRENCH
- (N-7) DUCT BANK TO BE CONSTRUCTED TO HYDRO ONE REQUIREMENTS
- (N-8) CLEAN BACKFILL MATERIAL

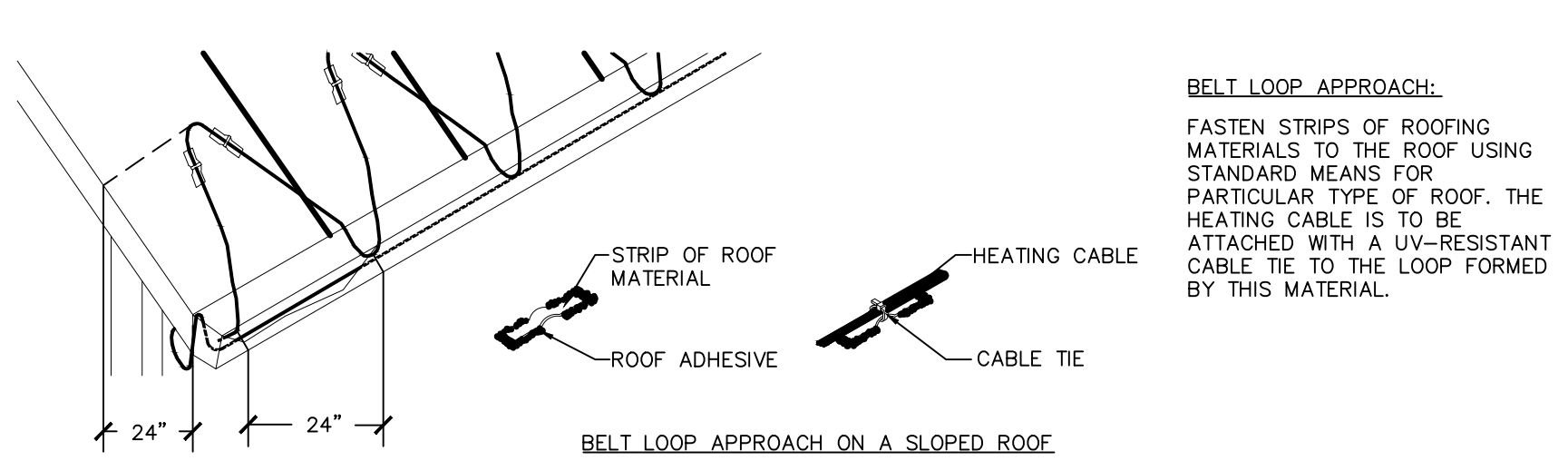
1 PRIMARY CONCRETE ENCASED DUCT BANK - 2x2
N.T.S.



NOTES:

- 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- 2. DO NOT SCALE DRAWINGS.

2 ROOF AND CUTTER DE-ICING SYSTEM DETAILS-ROOF CLIPS, GUTTER DOWN SPOUT, SPLICE KIT
N.T.S.



NOTES:

- 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- 2. DO NOT SCALE DRAWINGS.

3 ROOF AND GUTTER DE-ICING - DESIGN-BELT LOOP APPROACH
N.T.S.

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REVISIONS AND ISSUES

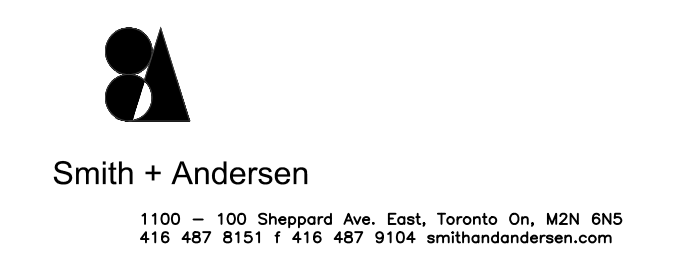
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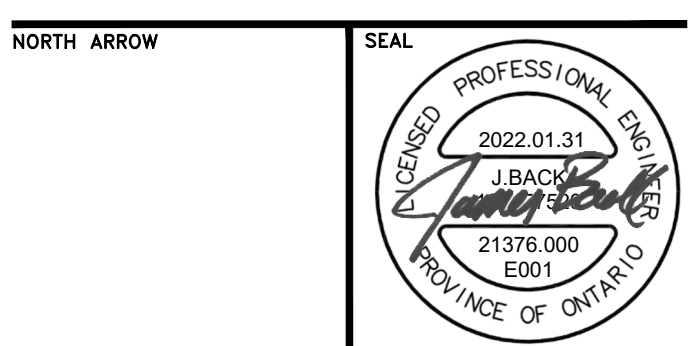
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PROJECT TITLE
**NEW SAYERS FOOD STORE
BURLEIGH STREET, APSLEY**

DRAWING TITLE
ELECTRICAL DETAILS

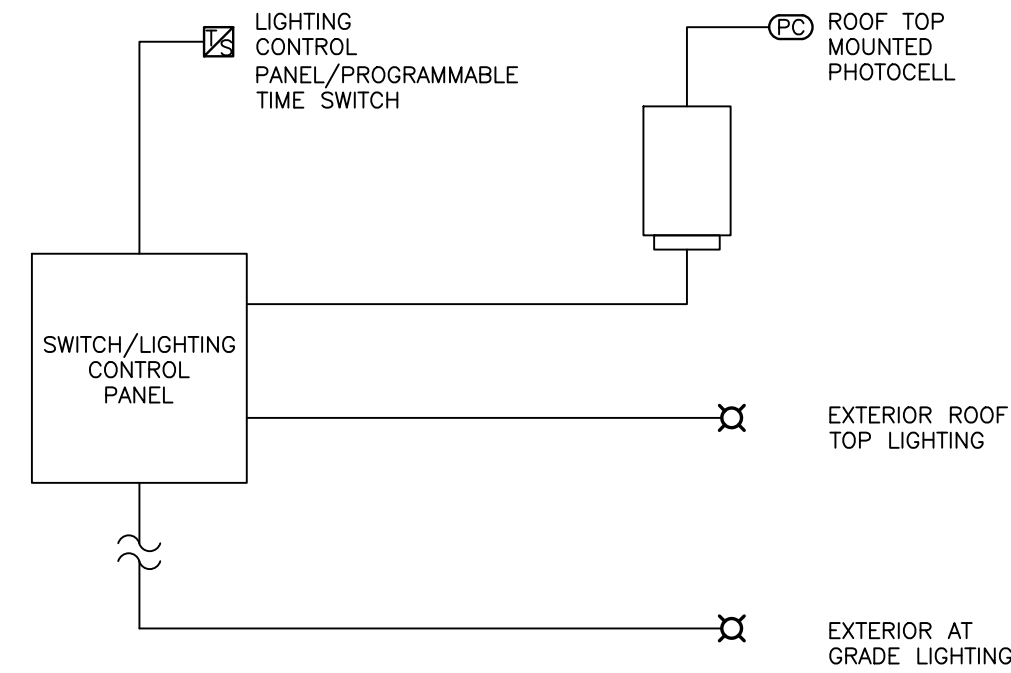
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DATE
JUNE 16, 2021

PROJECT NUMBER
21376.000.e001
DRAWING NUMBER

E002

LIGHTING CONTROL SCHEDULE					
TYPE	SYMBOL	DESCRIPTION	MAUFACTURER: CAT. #	APPLICATION	REMARKS
A	(S)	HIGH BAY COLD TEMPERATURE PASSIVE INFRARED OCCUPANCY SENSOR	HB-300C WITH HBL2 LENS	LOADING DOCK MEAT PREP PRODUCE PREP	- STEM MOUNT - MOUNT SENSOR ALIGNED WITH LIGHT FIXTURES
B	(S)	PASSIVE INFRARED WALL SWITCH OCCUPANCY SENSOR	PW-301	WASHROOM	
C	(S)	PASSIVE INFRARED CEILING SENSOR	CI-305	DELI/BAKERY	
D	(S)	DUAL TECHNOLOGY CEILING SENSOR	DT-305	OFFICE STORAGE STAFF LOUNGE	
E	(S)	ULTRASONIC CEILING SENSOR	UT-305-3 HALLWAY	CORRIDOR	
PC	(C)	PHOTOCELL	LMPO-200 c/w LMIN-104	EXTERIOR	
		RELAY PANEL	LMCP8-10V-115/27 7 C/W LENC8S and LMCT-100-2	EXTERIOR	

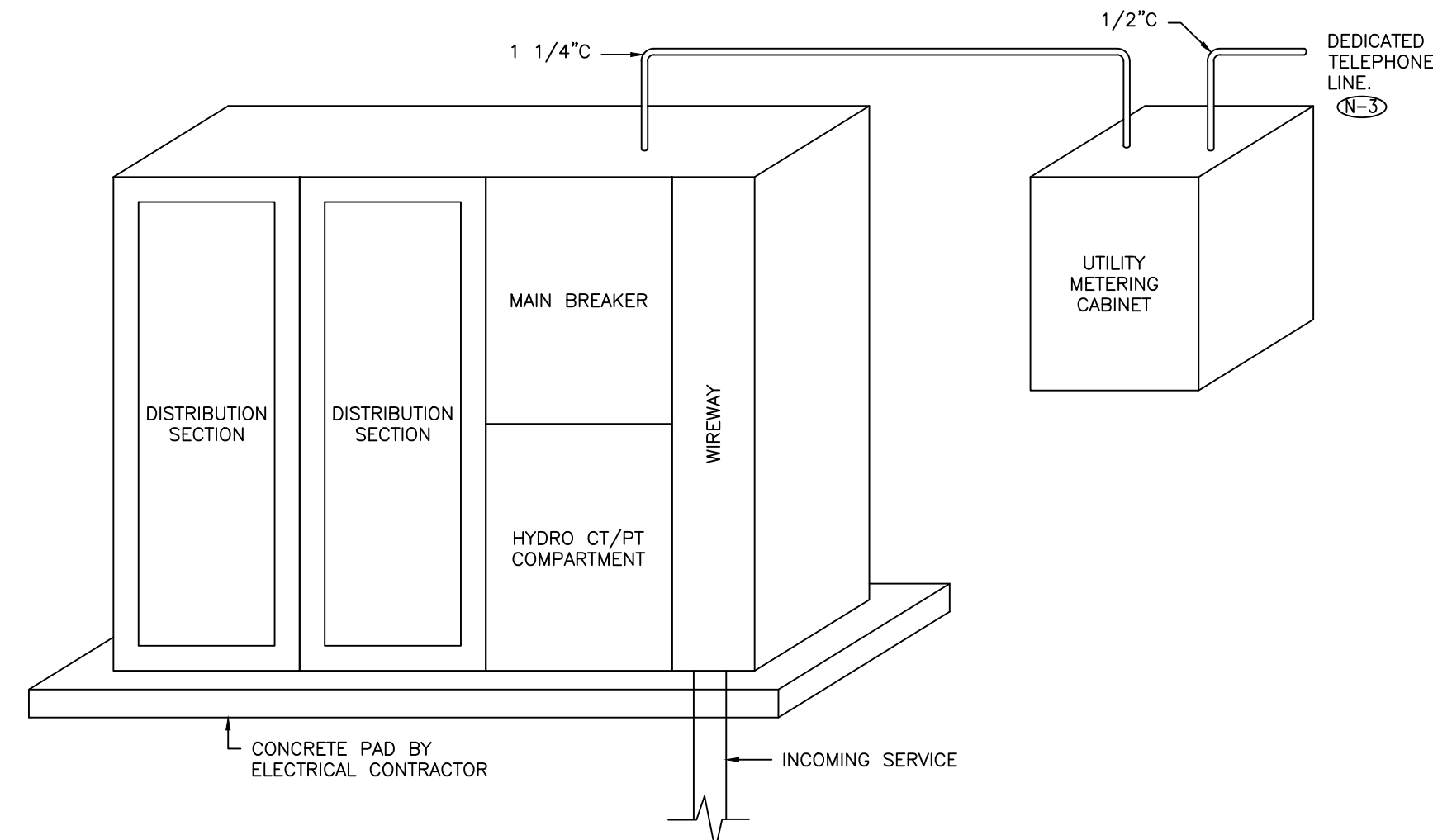
5 E003 LIGHTING CONTROL SCHEDULE N.T.S.



GENERAL NOTES:

- REFER TO FLOOR PLANS FOR LOCATION OF LIGHTING CONTROL DEVICES.
- TIME SWITCH/LIGHTING CONTROL PANEL TO SIGNAL EXTERIOR LIGHTING ON ROOF AND AT GRADE TO TURN ON AND OFF BASED ON TIME SCHEDULE AND EXTERIOR PHOTOCELL CONTROL. CONTRACTOR TO COORDINATE PROGRAMMING OF TIMER WITH OWNER.

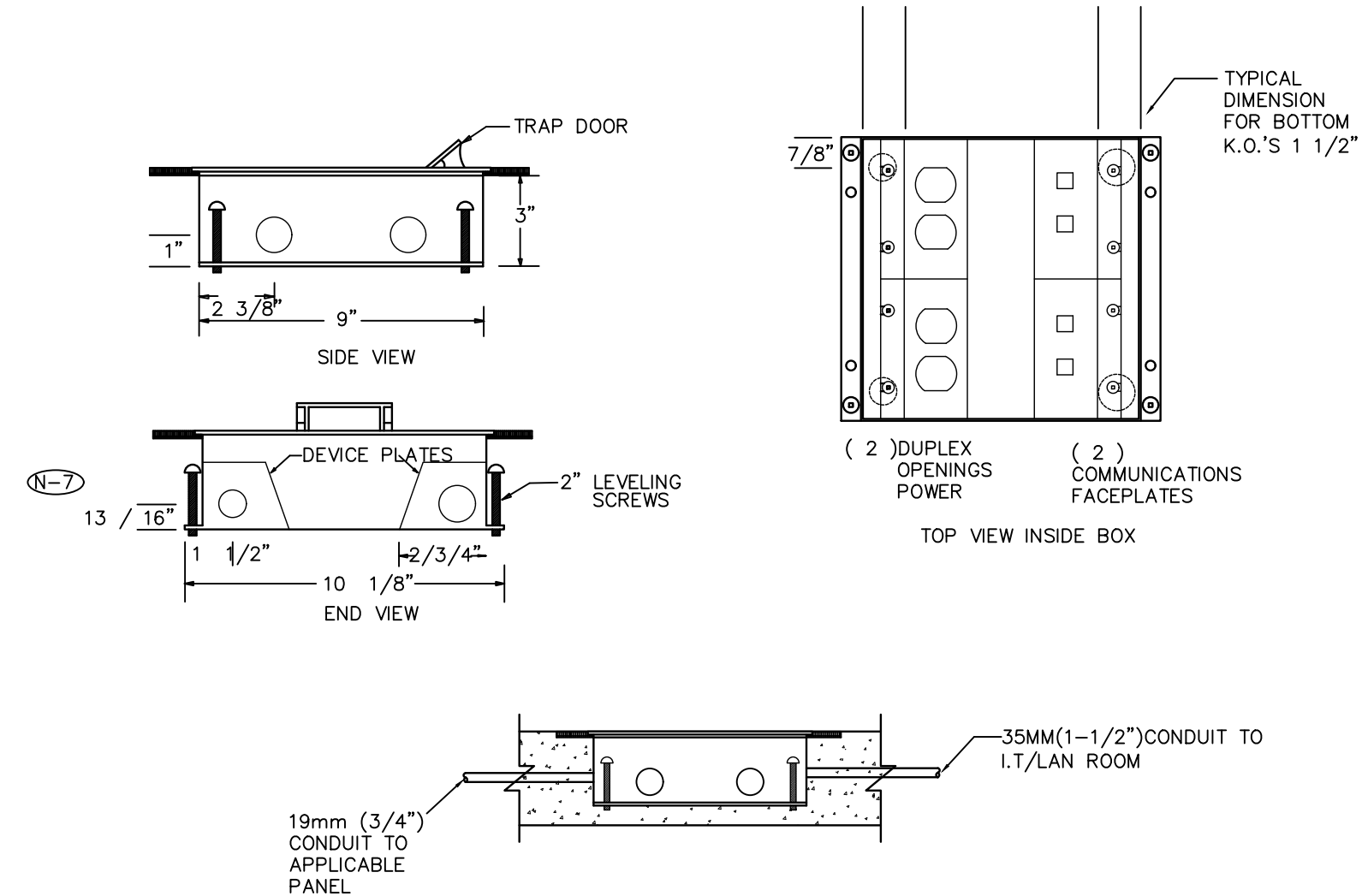
6 E003 TYPICAL OUTDOOR LIGHTING CONTROL DIAGRAM N.T.S.



NOTES:

- WIREWAY LUGS PADS MUST BE COPPER.
- C.T. COMPARTMENT DOORS AND WIREWAY ARE TO BE HINGED AND PADLOCKABLE.
- PROVIDE DEDICATED TELEPHONE LINE IN METERING CABINET IN A 19mm(1/2") CONDUIT.

7 E003 MAIN SERVICE ENTRANCE SWITCHBOARD AND METERING CABINET ELEVATION DETAIL N.T.S.

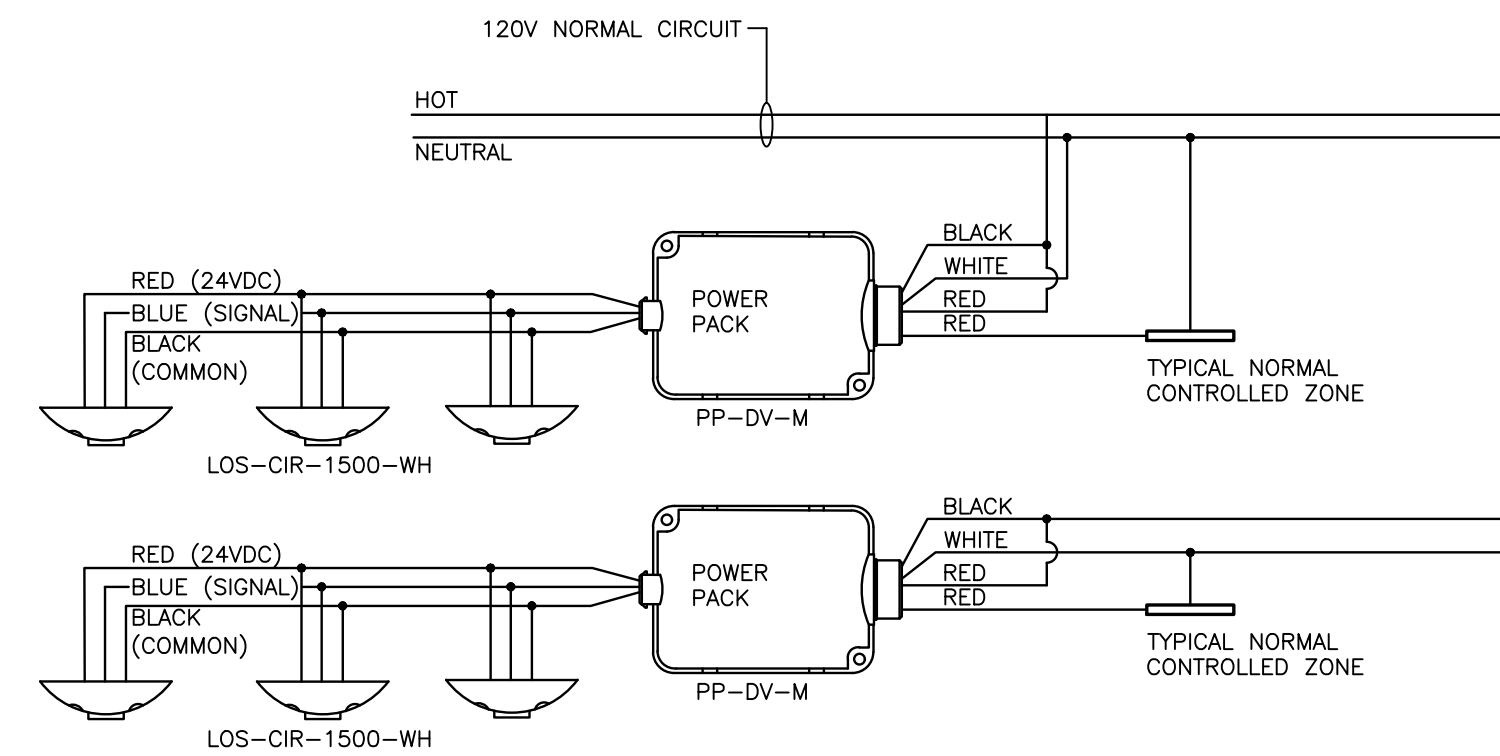


NOTES:

- CO-ORDINATE EXACT LOCATIONS OF FLOOR MONUMENTS ON SITE PRIOR TO ROUGH-IN.
- 'FB1' TYPE FLOOR OUTLETS SHALL BE "WELLMARK 400B SERIES CONCRETE FLOOR BOX" OR APPROVED EQUAL.
- PROVIDE CONNECTOR C/W NYLON BUSHINGS FOR CONDUIT TERMINATIONS WITHIN ACCESSIBLE CEILING SPACE.
- PROVIDE PULL STRING IN ALL EMPTY CONDUITS.
- ALL ITEMS BY ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE.
- BOX TO BE CONFIGURED TO ACCEPT BENDING RADIUS OF CAT 6 COMMUNICATION CABLES.
- ALL CONDUIT IS TO ENTER FROM ENDS, NOT FROM THE SIDE.

DRAWING SYMBOLS

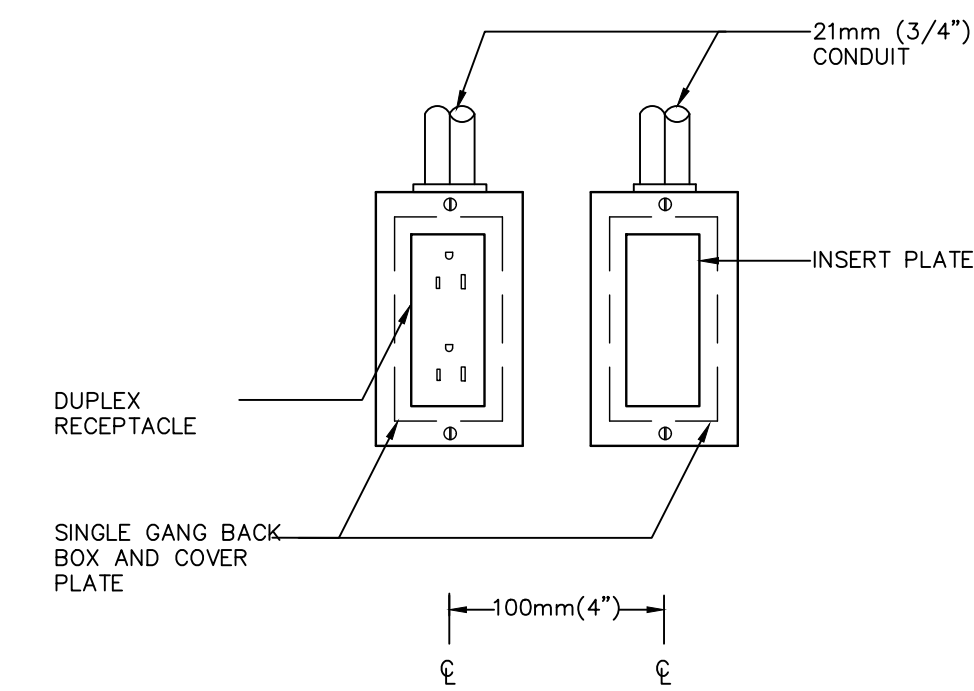
3 E003 FLOOR BOX DETAIL (IN SLAB) N.T.S.



GENERAL NOTES:

- LIGHTING CONTROL SCHEMATIC TO MEET ASHRAE 90.1-2013. COMMON SPACE TYPES 'SALES AREA', 'FOOD PREPARATION AREA', 'LOADING DOCK', 'CORRIDOR', 'ELECTRICAL/MECHANICAL ROOM', 'OFFICE', 'STORAGE ROOM', 'INTERIOR', 'LOUNGE/BREAKROOM'.
- REFER TO 'LIGHTING SEQUENCE OF OPERATION' IN ELECTRICAL SPECIFICATION FOR SEQUENCING REQUIREMENTS.
- LIGHTING IN ROOM SHALL BE NON-DIMMABLE.
- LIGHTING CONTROL MANUFACTURER TO CONFIRM ALL PRODUCT CAT# DURING SHOP DRAWING STAGE.
- DETAIL IS SCHEMATIC. REFER TO MANUFACTURERS INSTRUCTION FOR DETAILED WIRING DIAGRAM.
- BASIS OF DESIGN IS A SALEX LIGHTING CONTROL SYSTEM. ELECTRICAL CONTRACTOR TO PROVIDE REVISED CONTROLS SCHEMATICS, TO BE REVIEWED BY ENGINEER. FOR ANY PROPOSED ALTERNATES, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE THAT ANY ALTERNATE MEET THE INTENDED SEQUENCE OF OPERATION, ENERGY CODE REQUIREMENTS AND ENSURE COMPATIBILITY WITH LUMINAIRES.
- MOTION SENSORS SHALL NOT CONTROL AN AREA MORE THAN 334M2 (3600I2).
- DRAWING SYMBOLS DEPICT WHAT THEY APPEAR ON THE FLOOR PLAN TO SHOW LIGHTING CONTROL DETAIL. REFER TO LIGHTING CONTROL DETAIL 5/E003 FOR OCCUPANCY SENSOR TYPE AND DRAWING SYMBOL. REFER TO FLOOR PLANS E400 SERIES DRAWINGS FOR EXACT LOCATION AND QUANTITY OF ALL LIGHTING CONTROL DEVICES.
- MAXIMUM OF THREE (3) OCCUPANCY SENSORS TO BE CONNECTED TO EACH POWERPAK. REFER TO MANUFACTURER INSTRUCTION MANUAL FOR DETAILS.

2 E003 OCCUPANCY SENSOR WIRING DIAGRAM N.T.S.



DRAWING SYMBOLS

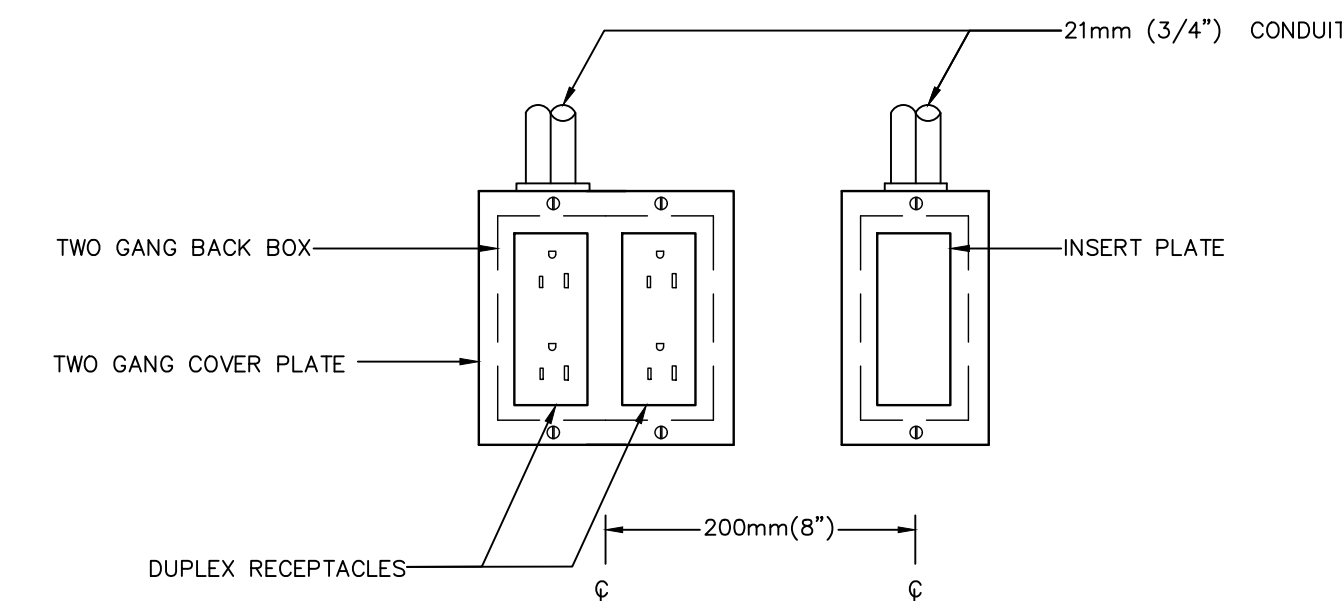
GENERAL NOTES:

- PROVIDE CONNECTOR, C/W NYLON BUSHINGS FOR CONDUIT TERMINATIONS WITHIN ACCESSIBLE CEILING SPACE.
- PROVIDE PULL STRINGS IN ALL EMPTY CONDUIT.

DETAIL NOTES:

- REFER TO SPECIFICATIONS FOR COORDINATION BETWEEN ELECTRICAL AND COMMUNICATIONS CONTRACTORS.
- COMMUNICATIONS CONDUIT TO RUN BACK TO 2ND FLOOR IT ROOM.

1 E003 SINGLE GANG DUPLEX RECEPTACLE W/ COMMUNICATION OUTLETS N.T.S.



DRAWING SYMBOLS

GENERAL NOTES:

- PROVIDE CONNECTOR, C/W NYLON BUSHINGS FOR CONDUIT TERMINATIONS WITHIN ACCESSIBLE CEILING SPACE.
- PROVIDE PULL STRINGS IN ALL EMPTY CONDUIT.

DETAIL NOTES:

- REFER TO SPECIFICATIONS FOR COORDINATION BETWEEN ELECTRICAL AND COMMUNICATIONS CONTRACTORS.
- COMMUNICATIONS CONDUIT TO RUN BACK TO 2ND FLOOR IT ROOM.

2 E003 QUAD DUPLEX RECEPTACLE W/ COMMUNICATION OUTLETS N.T.S.

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4	ISSUED FOR ADD-ED1	2021.09.15	
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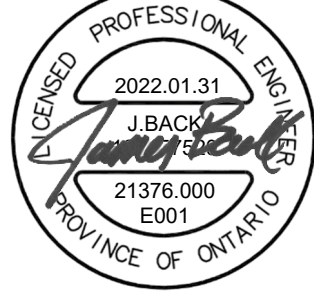
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NORTH ARROW

SEAL



PROJECT TITLE

NEW SAYERS FOOD STORE
BURLEIGH STREET, APSLEY

DRAWING TITLE

ELECTRICAL DETAILS

SCALE

1:100

DATE

JUNE 16, 2021

PROJECT NUMBER

21376.000.e001

DRAWING NUMBER

E003

Contractor must check and verify all dimensions on the job, and report any discrepancies to the Architect before proceeding with the work. Do not scale this drawing.

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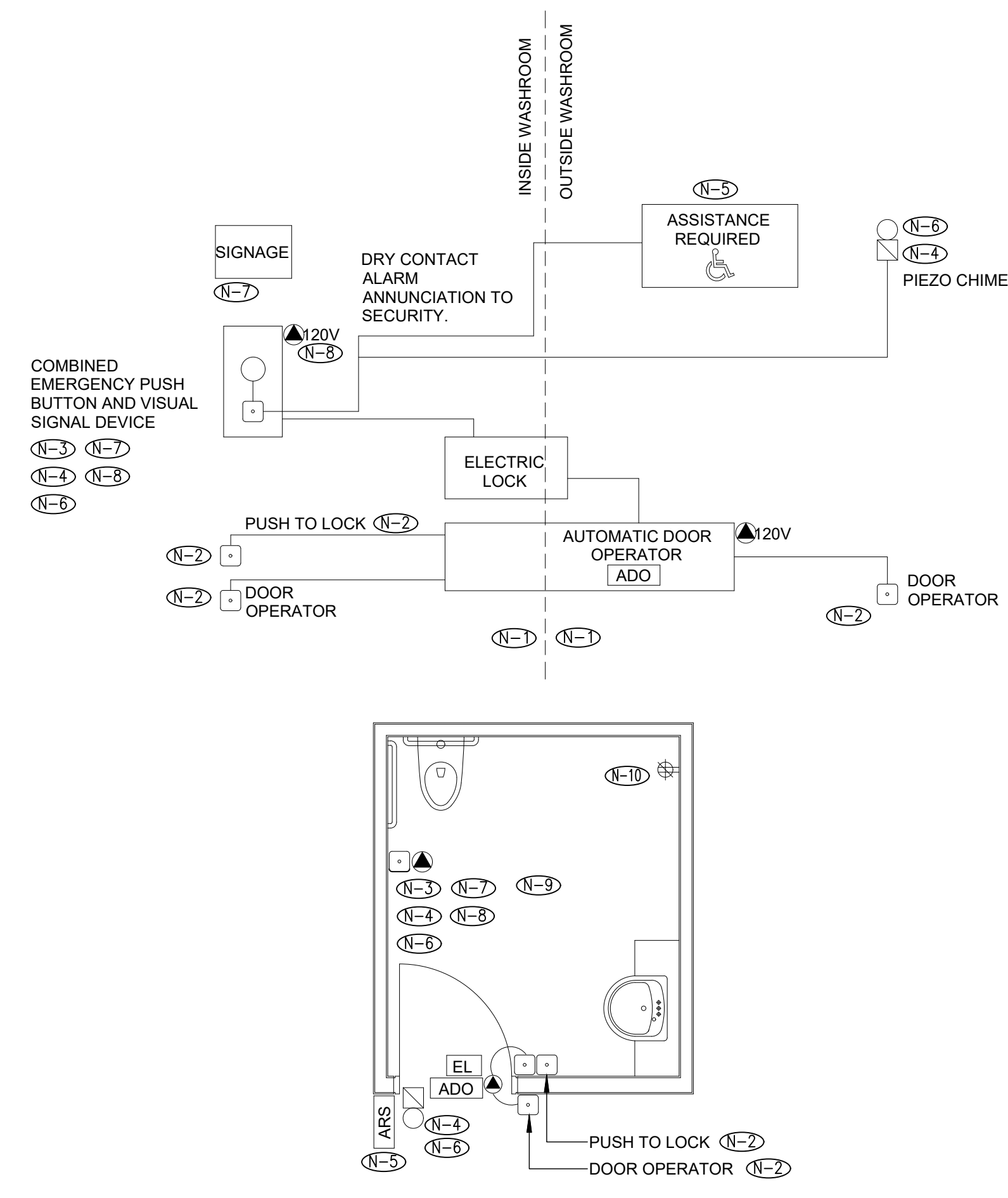
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- DRAWING NOTES:**
- (N-1) MINIMUM SIZE CONDUITS SHALL BE 21mmC (3/4") UNLESS OTHERWISE NOTED.
 - (N-2) ALL PUSH BUTTONS ARE TO BE MOUNTED AT 1050mm ABOVE FINISHED FLOOR AND ARE TO BE OPERABLE USING A CLOSED FIST.
 - (N-3) ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMPTY CONDUIT COMPLETE WITH PULL STRINGS AND BACK BOXES FOR COMBINATION EMERGENCY PUSH BUTTON AND VISUAL SIGNAL DEVICE INSIDE OF WASHROOM. SUBMIT SHOP DRAWINGS FOR ARCHITECT AND CONSULTANT REVIEW PRIOR TO MANUFACTURING/RELEASE.
 - (N-4) ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL WIRING AND CONDUIT BACK TO LOCAL INTRUSION PANEL.
 - (N-5) ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMPTY CONDUIT COMPLETE WITH PULL STRINGS AND BACK BOXES FOR 'ASSISTANCE REQUIRED' LED ANNUNCIATOR WITH ADJUSTABLE SOUNDER. SUBMIT SHOP DRAWINGS FOR ARCHITECT AND ELECTRICAL CONSULTANT REVIEW PRIOR TO MANUFACTURING/RELEASE.
 - (N-6) ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUIT, WIRING, POWER SUPPLIES, AND CONNECTIONS DETAILED ABOVE FOR ALL UNIVERSAL WASHROOMS. ALL WIRING TO BE INSTALLED IN CONDUIT.
 - (N-7) LAMACOID SIGN ABOVE THE EMERGENCY BUTTON THAT READS 'IN THE EVENT OF AN EMERGENCY, PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE', PROVIDED BY OTHERS. SUBMIT SHOP DRAWINGS FOR ARCHITECT AND CONSULTANT REVIEW PRIOR TO MANUFACTURING AND RELEASE.
 - (N-8) ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 24 VOLT DC POWER SUPPLY IN A SEPARATE JUNCTION BOX WITH SUFFICIENT CAPACITY TO POWER ALL EMERGENCY CALL SYSTEM COMPONENTS INCLUDING ALL AUDIBLE AND VISUAL INDICATORS AS WELL AS DOOR ELECTRIC LOCK RELEASE. ADDITIONALLY, POWER SUPPLY TO HAVE 50% SPARE CAPACITY FOR FUTURE USE. POWER SUPPLY INPUT TO BE 120V.
 - (N-9) REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DEVICE LOCATIONS.
 - (N-10) 20A GFI RECEPTACLE FOR ADULT CHANGE TABLE.

1 BARRIER FREE WASHROOM - CONDUIT INFRASTRUCTURE
 ESD.01

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PROFESSIONAL ENGINEER SEAL
 J. BACKLICK
 21376.000
 E001
 PROVINCE OF ONTARIO

PROJECT TITLE
 NEW SAYERS FOOD STORE
 BURLEIGH STREET, APSLEY

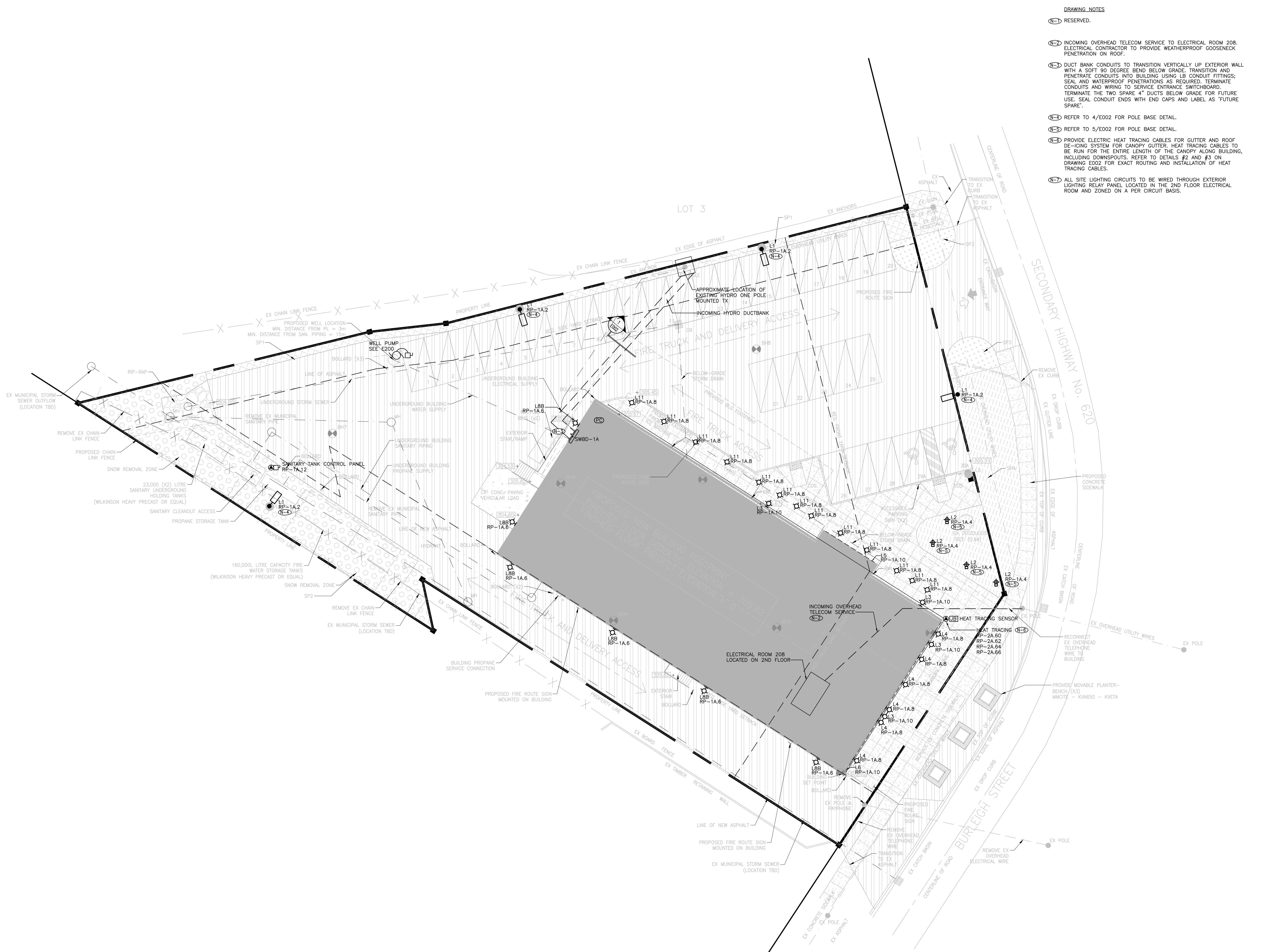
DRAWING TITLE
 ELECTRICAL DETAILS

SCALE
 1:100

DATE
 JUNE 16, 2021

PROJECT NUMBER
 21376.000.e001

DRAWING NUMBER
 E004



- DRAWING NOTES**
- (N-1) RESERVED.
 - (N-2) INCOMING OVERHEAD TELECOM SERVICE TO ELECTRICAL ROOM 208. ELECTRICAL CONTRACTOR TO PROVIDE WEATHERPROOF GODSNECK PENETRATION ON ROOF.
 - (N-3) DUCT BANK CONDUITS TO TRANSITION VERTICALLY UP EXTERIOR WALL WITH A SOFT 90 DEGREE BEND BELOW GRADE. TRANSITION AND PENETRATE CONDUITS INTO BUILDING USING LB CONDUIT FITTINGS; SEAL AND WATERPROOF PENETRATIONS AS REQUIRED. TERMINATE CONDUITS AND WIRING TO SERVICE ENTRANCE SWITCHBOARD. TERMINATE THE TWO SPARE 4" DUCTS BELOW GRADE FOR FUTURE USE. SEAL CONDUIT ENDS WITH END CAPS AND LABEL AS 'FUTURE SPARE'.
 - (N-4) REFER TO 4/E002 FOR POLE BASE DETAIL.
 - (N-5) REFER TO 5/E002 FOR POLE BASE DETAIL.
 - (N-6) PROVIDE ELECTRIC HEAT TRACING CABLES FOR GUTTER AND ROOF DE-ICING SYSTEM FOR CANOPY GUTTER. HEAT TRACING CABLES TO BE RUN FOR THE ENTIRE LENGTH OF THE CANOPY ALONG BUILDING, INCLUDING DOWNSPOUTS. REFER TO DETAILS #2 AND #3 ON DRAWING E002 FOR EXACT ROUTING AND INSTALLATION OF HEAT TRACING CABLES.
 - (N-7) ALL SITE LIGHTING CIRCUITS TO BE WIRED THROUGH EXTERIOR LIGHTING RELAY PANEL LOCATED IN THE 2ND FLOOR ELECTRICAL ROOM AND ZONED ON A PER CIRCUIT BASIS.

Contractor must check and verify all dimensions on the job, and report any discrepancies to the Architect before proceeding with the work. Do not scale this drawing.

REVISIONS AND ISSUES			
REV	DESCRIPTION	DATE	BY
1	ISSUED FOR COSTING	2021.08.17	
2	ISSUED FOR TENDER	2021.08.27	
3	ISSUED FOR BUILDING PERMIT	2021.09.09	
4	ISSUED FOR ADD-E01	2021.09.15	
5	ISSUED FOR ADD-E03	2021.09.27	
6	ISSUED FOR REVISED TENDER/BUILDING PERMIT	2022.01.31	
7			
8			

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PROJECT TITLE
 NEW SAYERS FOOD STORE
 BURLEIGH STREET, APSLEY

DRAWING TITLE
 SITE PLAN - ELECTRICAL

SCALE
 1:200

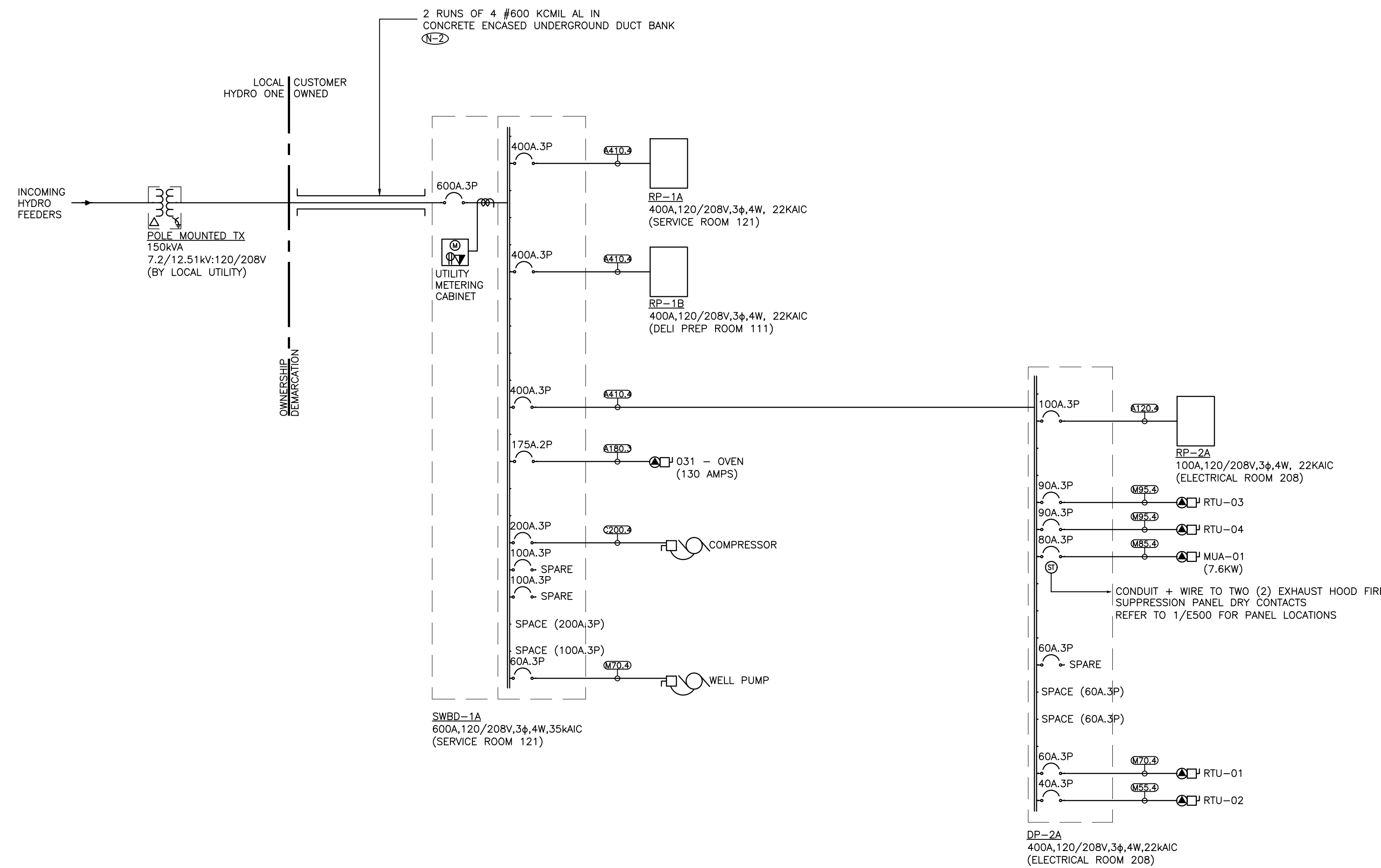
DATE
 JUNE 16, 2021

PROJECT NUMBER
 21376.000.e001

DRAWING NUMBER
 E100

GENERAL NOTES:

- (1-D) CONTRACTOR SHALL SUBMIT THE PROTECTION COORDINATION STUDY REPORT AND SHOP DRAWINGS OF THE MAIN SWITCHBOARD TO THE LOCAL HYDRO UTILITY FOR REVIEW AND APPROVAL. ALSO, SUBMIT POWER SYSTEMS STUDY SHOP DRAWING TO ELECTRICAL ENGINEER FOR REVIEW PRIOR TO SUBMISSION OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT SHOP DRAWINGS. ELECTRICAL DISTRIBUTION SHOP DRAWINGS WILL NOT BE REVIEWED UNTIL POWER SYSTEMS STUDY SHOP DRAWING IS REVIEWED FIRST.
- (1-E-2) INSTALL SECONDARY CONDUCTORS IN A 1Hx2W CONFIGURATION. THE OTHER 2 DUCTS ARE TO BE RESERVED AS FUTURE SPARE DUCTS.



FEDER SCHEDULE
(PER TABLE 4 CEC (2018) AND 4-006, 60C (FOR EQUIPMENT 100A AND BELOW), 75C AND TABLE 68, 1000V WITHOUT JACKET, TABLE 6C)

M-COPPER (MOTOR), C-COPPER, A-ALUMINUM, 3-(3WIRE+BOND), 4-(4WIRE+BOND), 5-(5WIRE+BOND)
AMPACITY RATING

NOTES:
1. SCHEDULE IS TO BE USED FOR FEEDERS AND BRANCH WIRING FROM PANELBOARDS.
2. RW90 WIRING IS TO BE USED FOR UNDERGROUND INSTALLATIONS. CONDUIT SIZE HAS BEEN ADJUSTED TO ACCOMMODATE FOR 1000V INSULATION RATING.
3. FOR MOTORS REQUIRING FEEDERS GREATER THAN 100A, THE BONDING CONDUCTOR SHALL BE SIZED ACCORDING TO CEC RULE 10-614.

FEEDER NO.	NO. OF RUNS	CONDUCTOR SIZE + BONDING CONDUCTOR SIZE (AWG OR KCMIL) PER RUN	MAXIMUM CIRCUIT CAPACITY PER 75°C COLUMN (PER 60°C COLUMN FOR MOTORS)				MAXIMUM CIRCUIT CAPACITY PER 75°C/90°C COLUMN				
			3 WIRE+BONDING CONDUCTOR CONDUIT SIZE PER RUN		4 WIRE+BONDING CONDUCTOR CONDUIT SIZE PER RUN		5 WIRE + BONDING FEEDER NO.		5 WIRE (DOUBLE NEUTRAL/BONDING CONDUCTOR (HARMONIC MITIGATING TRANSFORMERS) CONDUIT SIZE PER RUN		
			RW90	RW90	RW90	RW90	FEEDER AMPACITY FOR 5 WIRE SYSTEMS	FEEDER AMPACITY FOR 5 WIRE SYSTEMS	RW90	RW90	
M20	1	#12 AWG + #12 AWG	20	21 (2)	21 (2)	N/A	N/A	N/A	N/A	N/A	N/A
M30	1	#10 AWG + #10 AWG	30	21 (2)	27 (1)	N/A	N/A	N/A	N/A	N/A	N/A
M40	1	#8 AWG + #8 AWG	40	27 (1)	27 (1)	N/A	N/A	N/A	N/A	N/A	N/A
M55	1	#6 AWG + #6 AWG	55	27 (1)	35 (1/2)	N/A	N/A	N/A	N/A	N/A	N/A
M70	1	#4 AWG + #6 AWG	70	35 (1/2)	41 (1/2)	N/A	N/A	N/A	N/A	N/A	N/A
M85	1	#3 AWG + #6 AWG	85	35 (1/2)	41 (1/2)	N/A	N/A	N/A	N/A	N/A	N/A
M95	1	#2 AWG + #6 AWG	95	41 (1/2)	41 (1/2)	N/A	N/A	N/A	N/A	N/A	N/A
M110	1	#1 AWG + #4 AWG	110	53 (2)	53 (2)	N/A	N/A	N/A	N/A	N/A	N/A
C20	1	#12 AWG + #12 AWG	20	21 (2)	21 (2)	27 (1)	27 (1)	C20	20	21 (2)	27 (1)
C30	1	#10 AWG + #12 AWG	30	21 (2)	27 (1)	27 (1)	27 (1)	C30	30	27 (1)	27 (1)
C50	1	#8 AWG + #10 AWG	50	27 (1)	27 (1)	27 (1)	35 (1/2)	C44	44	27 (1)	35 (1/2)
C65	1	#6 AWG + #8 AWG	65	27 (1)	35 (1/2)	35 (1/2)	35 (1/2)	C60	60	35 (1/2)	41 (1/2)
C85	1	#4 AWG + #8 AWG	85	35 (1/2)	41 (1/2)	41 (1/2)	41 (1/2)	C76	76	41 (1/2)	53 (2)
C100	1	#3 AWG + #6 AWG	100	35 (1/2)	41 (1/2)	41 (1/2)	53 (2)	C92	92	53 (2)	53 (2)
C115	1	#2 AWG + #6 AWG	115	41 (1/2)	41 (1/2)	41 (1/2)	53 (2)	C104	104	53 (2)	53 (2)
C200	1	#3/0 AWG + #4 AWG	200	63 (2/2)	63 (2/2)	63 (2/2)	63 (2/2)	C180	180	78 (3)	78 (3)
A120	1	#1/0 AWG + #4 AWG	120	53 (2)	53 (2)	53 (2)	63 (2/2)	A108	108	63 (2/2)	63 (2/2)
A135	1	#2/0 AWG + #4 AWG	135	53 (2)	53 (2)	63 (2/2)	63 (2/2)	A120	120	63 (2/2)	63 (2/2)
A155	1	#1/0 AWG + #4 AWG	155	63 (2/2)	63 (2/2)	63 (2/2)	63 (2/2)	A140	140	78 (3)	78 (3)
A180	1	#3/0 AWG + #4 AWG	180	63 (2/2)	63 (2/2)	78 (3)	78 (3)	A164	164	78 (3)	78 (3)
A205	1	250 KCMIL + #2 AWG	205	63 (2/2)	78 (3)	78 (3)	78 (3)	A184	184	78 (3)	91 (3/2)
A230	1	300 KCMIL + #2 AWG	230	78 (3)	78 (3)	78 (3)	91 (3/2)	A208	208	91 (3/2)	91 (3/2)
A250	1	350 KCMIL + #2 AWG	250	78 (3)	78 (3)	91 (3/2)	91 (3/2)	A224	224	91 (3/2)	91 (3/2)
A270	1	400 KCMIL + #2 AWG	270	78 (3)	91 (3/2)	91 (3/2)	91 (3/2)	A244	244	103 (4)	103 (4)
A340	1	600 KCMIL + #1 AWG	340	91 (3/2)	103 (4)	103 (4)	116 (4/2)	A308	308	116 (4/2)	116 (4/2)
A385	1	750 KCMIL + #1 AWG	385	103 (4)	116 (4/2)	116 (4/2)	116 (4/2)	A348	348	129 (5)	129 (5)
A445	1	1000 KCMIL + #1 AWG	445	116 (4/2)	129 (5)	129 (5)	155 (6)	A400	400	155 (6)	155 (6)
A240	2	#1/0 AWG + #4 AWG	240	53 (2)	53 (2)	53 (2)	63 (2/2)	A216	216	63 (2/2)	63 (2/2)
A270	2	#2/0 AWG + #4 AWG	270	53 (2)	53 (2)	63 (2/2)	63 (2/2)	A240	240	63 (2/2)	63 (2/2)
A360	2	#4/0 AWG + #4 AWG	360	63 (2/2)	63 (2/2)	78 (3)	78 (3)	A328	328	78 (3)	78 (3)
A410	2	250 KCMIL + #2 AWG	410	63 (2/2)	78 (3)	78 (3)	78 (3)	A368	368	78 (3)	91 (3/2)
A460	2	300 KCMIL + #2 AWG	460	78 (3)	78 (3)	78 (3)	91 (3/2)	A416	416	91 (3/2)	91 (3/2)
A500	2	350 KCMIL + #2 AWG	500	78 (3)	78 (3)	91 (3/2)	91 (3/2)	A448	448	91 (3/2)	91 (3/2)
A620	2	500 KCMIL + #1 AWG	620	91 (3/2)	91 (3/2)	103 (4)	103 (4)	A560	560	103 (4)	116 (4/2)
A680	2	600 KCMIL + #1 AWG	680	91 (3/2)	103 (4)	103 (4)	116 (4/2)	A616	616	116 (4/2)	116 (4/2)
A770	2	750 KCMIL + #1 AWG	770	103 (4)	116 (4/2)	116 (4/2)	116 (4/2)	A696	696	129 (5)	129 (5)
A890	2	1000 KCMIL + #1 AWG	890	116 (4/2)	129 (5)	129 (5)	155 (6)	A800	800	155 (6)	155 (6)
A405	3	#1/0 AWG + #4 AWG	405	53 (2)	53 (2)	63 (2/2)	63 (2/2)	A360	360	63 (2/2)	63 (2/2)
A465	3	#3/0 AWG + #4 AWG	465	63 (2/2)	63 (2/2)	63 (2/2)	63 (2/2)	A420	420	78 (3)	78 (3)
A615	3	250 KCMIL + #2 AWG	615	63 (2/2)	78 (3)	78 (3)	78 (3)	A552	552	78 (3)	91 (3/2)
A690	3	300 KCMIL + #2 AWG	690	78 (3)	78 (3)	78 (3)	91 (3/2)	A624	624	91 (3/2)	91 (3/2)
A750	3	350 KCMIL + #2 AWG	750	78 (3)	78 (3)	91 (3/2)	91 (3/2)	A672	672	91 (3/2)	91 (3/2)
A810	3	400 KCMIL + #2 AWG	810	78 (3)	91 (3/2)	91 (3/2)	91 (3/2)	A732	732	103 (4)	103 (4)
A930	3	500 KCMIL + #1 AWG	930	91 (3/2)	103 (4)	103 (4)	103 (4)	A840	840	103 (4)	116 (4/2)
A1020	3	600 KCMIL + #1 AWG	1020	91 (3/2)	103 (4)	103 (4)	116 (4/2)	A924	924	116 (4/2)	116 (4/2)
A1155	3	750 KCMIL + #1 AWG	1155	103 (4)	116 (4/2)	116 (4/2)	116 (4/2)	A1044	1044	129 (5)	129 (5)
A1335	3	1000 KCMIL + #1 AWG	1335	116 (4/2)	129 (5)	129 (5)	155 (6)	A1200	1200	155 (6)	155 (6)
A480	4	#1/0 AWG + #4 AWG	480	53 (2)	53 (2)	53 (2)	63 (2/2)	A432	432	63 (2/2)	63 (2/2)
A620	4	#3/0 AWG + #4 AWG	620	63 (2/2)	63 (2/2)	63 (2/2)	63 (2/2)	A560	560	78 (3)	78 (3)
A720	4	#4/0 AWG + #4 AWG	720	63 (2/2)	63 (2/2)	78 (3)	78 (3)	A656	656	78 (3)	78 (3)
A820	4	250 KCMIL + #2 AWG	820	63 (2/2)	78 (3)	78 (3)	78 (3)	A736	736	78 (3)	91 (3/2)
A920	4	300 KCMIL + #2 AWG	920	78 (3)	78 (3)	78 (3)	91 (3/2)	A832	832	91 (3/2)	91 (3/2)
A1000	4	350 KCMIL + #2 AWG	1000	78 (3)	78 (3)	91 (3/2)	91 (3/2)	A896	896	91 (3/2)	91 (3/2)
A1080	4	400 KCMIL + #2 AWG	1080	78 (3)	91 (3/2)	91 (3/2)	91 (3/2)	A976	976	103 (4)	103 (4)
A1240	4	500 KCMIL + #1 AWG	1240	91 (3/2)	103 (4)	103 (4)	103 (4)	A1120	1120	103 (4)	116 (4/2)
A1360	4	600 KCMIL + #1 AWG	1360	91 (3/2)	103 (4)	103 (4)	116 (4/2)	A1232	1232	116 (4/2)	116 (4/2)
A1540	4	750 KCMIL + #1 AWG	1540	103 (4)	116 (4/2)	116 (4/2)	116 (4/2)	A1392	1392	129 (5)	129 (5)
A1780	4	1000 KCMIL + #1 AWG	1780	116 (4/2)	129 (5)	129 (5)	155 (6)	A1600	1600	155 (6)	155 (6)

SCHEDULE REVISION DATE: 2019.05.01

Contractor must check and verify all dimensions on the job, and report any discrepancies to the Architect before proceeding with the work. Do not scale this drawing.

REVISIONS AND ISSUES

REV	DESCRIPTION	DATE	BY
1	ISSUED FOR COSTING	2021.08.17	
2	ISSUED FOR TENDER	2021.08.27	
3	ISSUED FOR BUILDING PERMIT	2021.09.09	
4	ISSUED FOR ADD-E01	2021.09.15	
5	ISSUED FOR ADD-E02	2021.09.23	
6	ISSUED FOR REVISED TENDER/BUILDING PERMIT	2022.01.31	
7			
8			

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NORTH ARROW
SEAL
PROFESSIONAL ENGINEER
2022.01.31
J. BACAK
21376.000
E001
PROVINCE OF ONTARIO

PROJECT TITLE
NEW SAYERS FOOD STORE
BURLINGHEM STREET, APSLEY

DRAWING TITLE
SINGLE LINE DIAGRAM

SCALE
NTS
DATE
JUNE 16, 2021

PROJECT NUMBER
21376.000.e001
DRAWING NUMBER

E200

Contractor must check and verify all dimensions on the job, and report any discrepancies to the Architect before proceeding with the work. Do not scale this drawing.

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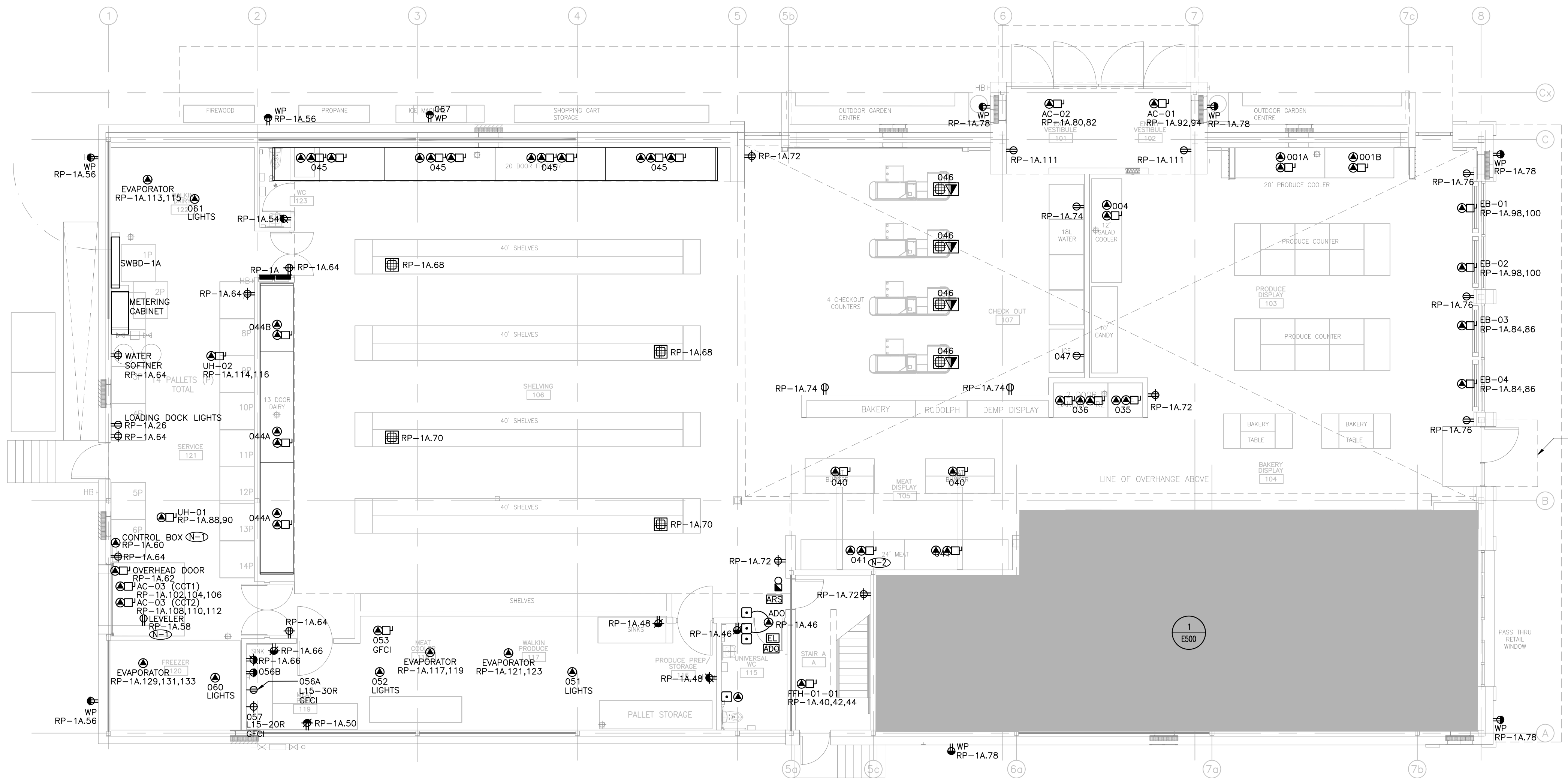
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EQUIPMENT SCHEDULE												
LEVEL 1												
ITEM NO.	QTY	LOCATION	DESCRIPTION	PANEL	CIRCUIT NUMBER	CONNECTION	VOLTAGE (V)	CYCLE (HZ)	PHASE	AMPS (A)	HP	CONNECTED LOAD (W)
001A	1	103 - PRODUCE DISPLAY	12' PRODUCE COOLER	RP-1A	1	DC	120	60	1	0.57		60
			LIGHTS	RP-1A	14	DC	120	60	1	0.72		86.4
001B	1	103 - PRODUCE DISPLAY	8' PRODUCE COOLER	RP-1A	3	DC	120	60	1	0.38		45
			LIGHTS	RP-1A	14	DC	120	60	1	0.48		57.6
002	1	103 - PRODUCE DISPLAY	12' SALAD COOLER	RP-1A	5	DC	120	60	1	0.57		45
			LIGHTS	RP-1A	14	DC	120	60	1	2.25		15
035	1	105 - MEAT DISPLAY	CAKE	RP-1A	7	DC	120	60	1	0.19		15
			LIGHTS	RP-1A	14	DC	120	60	1	0.41		15
			FANS & HEAT	RP-1A	9	DC	120	60	1	4.38		15
036	1	105 - MEAT DISPLAY	2 DOOR BAKERY FREEZER	RP-1A	14	DC	120	60	1	0.36		43.2
			LIGHTS	RP-1A	11, 13	DC	208	60	1	6.72		1400
			ELECTRIC DEFROST HEATER	RP-1A	17, 19, 21, 22	DC	208	60	1	8.08		30
040	2	105 - MEAT DISPLAY	MEAT BUNKER	RP-1A	25	DC	120	60	1	1.52		
			FANS	RP-1A	14	DC	120	60	1	1.75		
			LIGHTS	RP-1A	29	DC	120	60	1	2.87		
044A	2	106 - SHELVING	5 DOOR DAIRY SHELVING	RP-1A	56	DC	120	60	1	0.84		100.5
			FANS & HEAT	RP-1A	53	DC	120	60	1	3.12		
			LIGHTS	RP-1A	16	DC	120	60	1	0.53		63.8
044B	1	106 - SHELVING	3 DOOR DAIRY SHELVING	RP-1A	55	DC	120	60	1	15.87		
			FANS & HEAT	RP-1A	57, 59	DC	120	60	1	0.84		100.5
			LIGHTS	RP-1A	37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59	DC	208	60	3	16.82		3500
			ELECTRIC DEFROST HEATER	RP-1A	67, 69, 71, 73	FLOORBOX	120	60	1	2.5		
047	1	107 - CHECKOUT	ICE MACHINE	RP-1A	75	NEMA 5-15R	120	60	1			15
051	1	117 - WALKIN PRODUCE	COOLER	RP-1A	18	DC	120	60	1			15
			COOLERS	RP-1A	77	DC	120	60	1			15
052	1	118 - MEAT COOLER	COOLER	RP-1A	20	DC	120	60	1			15
			COOLERS	RP-1A	79	DC	120	60	1			15
053	1	118 - MEAT COOLER	MEAT GRINDER	RP-1A	81, 83, 85	DC	208	60	3	13.29	5	2660
056A	1	119 - MEAT PREP	MEAT GRINDER	RP-1A	87, 89, 91	L15-30R	208	60	3		7.5 (GRIND 1 MAX)	
056B	1	119 - MEAT PREP	MEAT GRINDER - TENDERIZER ADD-ON	RP-1A	93	NEMA 5-15R	120	60	1	4	1/2	460
057	1	119 - MEAT PREP	MEAT BONE SAW, ELECTRIC	RP-1A	95, 97, 99	L15-20R	208	60	3	7.25	3	1595
060	1	120 - FREEZER	FREEZER	RP-1A	22	DC	120	60	1			15
			COOLERS	RP-1A	101, 103, 105	DC	208	60	1			15
061	1	121 - WALKIN DAIRY	COOLER	RP-1A	24	DC	120	60	1			15
			COOLERS	RP-1A	107	DC	120	60	1			15
067	1	000 - EXTERIOR	ICE MACHINE	RP-1A	109	NEMA 5-15R	120	60	1			15

GENERAL NOTES:
 (1) RECEPTACLE FOR AIR ACTIVATED LEVELER TO BE FLUSH MOUNTED AND WIRED THROUGH THE PUSH BUTTON STATION PER LEVELER'S USER MANUAL WIRING DIAGRAM. ELECTRICAL CONTRACTOR TO PROVIDE 3/4" CONDUITS FROM RECEPTACLE TO CONTROL BOX. CONDUITS AND RECEPTACLE TO BE SET BEFORE POURING CONCRETE.
 (2) REFER TO EQUIPMENT SCHEDULE FOR ITEM NUMBER AND CORRESPONDING CIRCUIT NUMBER(S). TYPICAL.

NORTH ARROW SEAL



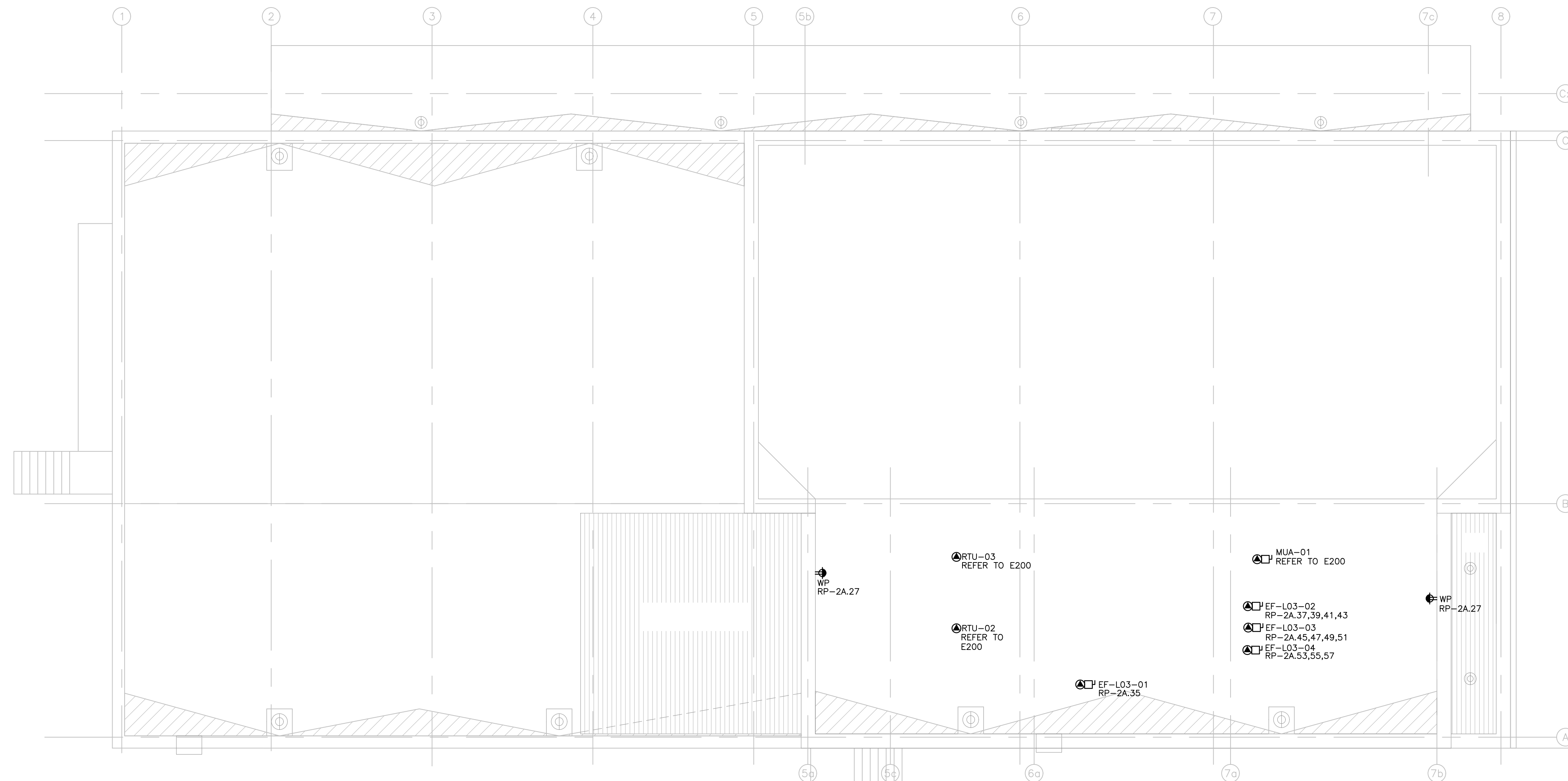
PROJECT TITLE
**NEW SAYERS FOOD STORE
 BURLINGHAM STREET, APSLEY**

DRAWING TITLE
**GROUND LEVEL - POWER
 AND SYSTEMS**

SCALE
1:100
 DATE
JUNE 16, 2021

PROJECT NUMBER
21376.000.e001
 DRAWING NUMBER

E300



Contractor must check and verify all dimensions on the job, and report any discrepancies to the Architect before proceeding with the work. Do not scale this drawing.

REVISIONS AND ISSUES

REV	DESCRIPTION	DATE	BY
1	ISSUED FOR COSTING	2021.08.17	
2	ISSUED FOR TENDER	2021.08.25	
3	ISSUED FOR BUILDING PERMIT	2021.09.09	
4	ISSUED FOR ADD-E01	2021.09.15	
5	ISSUED FOR REVISED TENDER/BUILDING PERMIT	2022.01.31	
6			
7			
8			

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NORTH ARROW

SEAL



PROJECT TITLE

NEW SAYERS FOOD STORE
BURLEIGH STREET, APSLEY

DRAWING TITLE

ROOF - POWER AND
SYSTEMS

SCALE

1:100

DATE

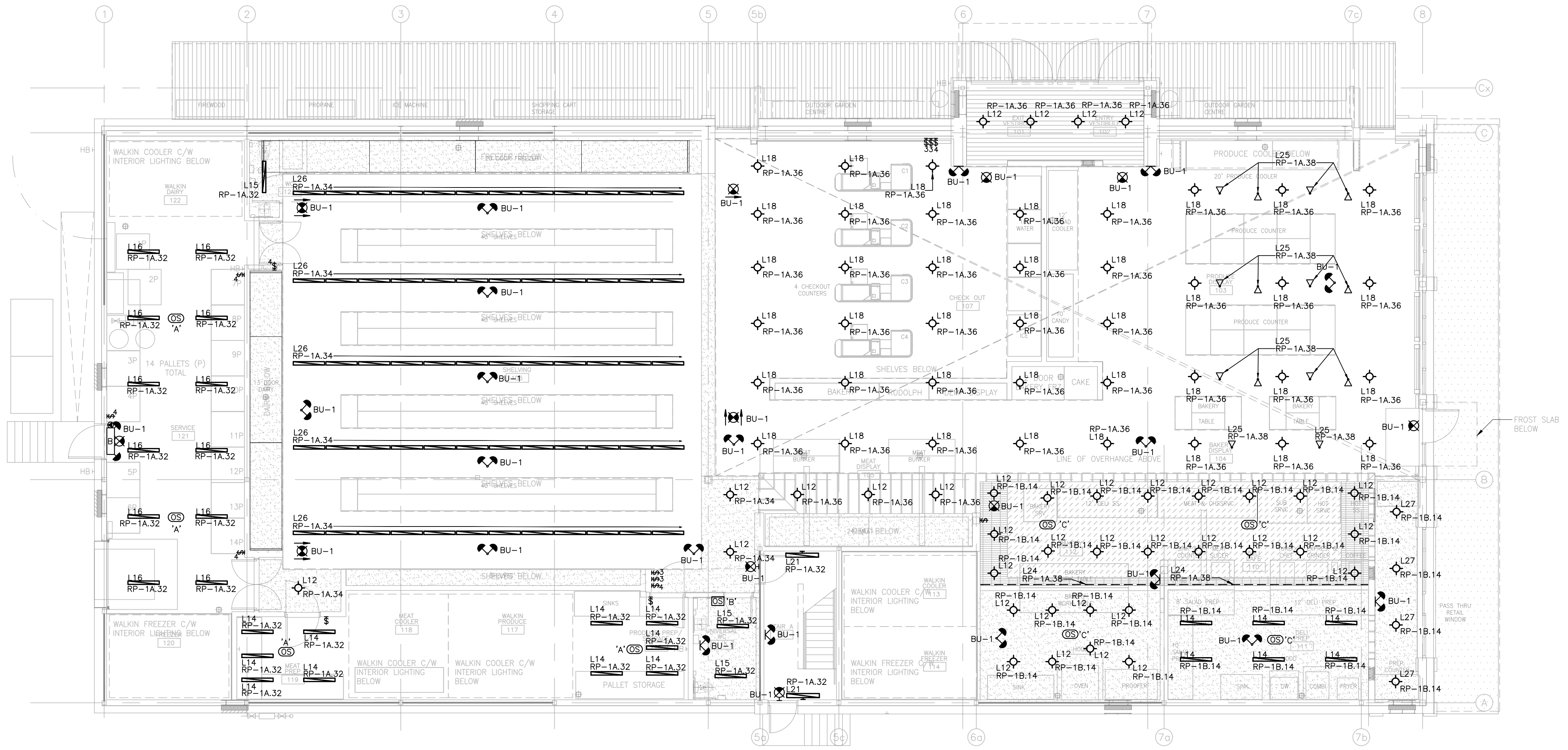
JUNE 16, 2021

PROJECT NUMBER

21376.000.e001

DRAWING NUMBER

E302



Contractor must check and verify all dimensions on the job, and report any discrepancies to the Architect before proceeding with the work. Do not scale this drawing.

REV	DESCRIPTION	DATE	BY
1	ISSUED FOR COSTING	2021.08.17	
2	ISSUED FOR TENDER	2021.08.27	
3	ISSUED FOR BUILDING PERMIT	2021.09.09	
4	ISSUED FOR ADD-E03	2021.09.27	
5	ISSUED FOR REVISED TENDER/BUILDING PERMIT	2022.01.31	
6			
7			
8			

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NORTH ARROW

SEAL

PROJECT TITLE
**NEW SAYERS FOOD STORE
 BURLEIGH STREET, APSLEY**

DRAWING TITLE
GROUND LEVEL - LIGHTING

SCALE
 1:100

DATE
JUNE 16, 2021

PROJECT NUMBER
21376.000.e001

DRAWING NUMBER

E400

Contractor must check and verify all dimensions on the job, and report any discrepancies to the Architect before proceeding with the work. Do not scale this drawing.

REVISIONS AND ISSUES

REV	DESCRIPTION	DATE	BY
1	ISSUED FOR COSTING	2021.08.17	
2	ISSUED FOR TENDER	2021.08.27	
3	ISSUED FOR BUILDING PERMIT	2021.09.09	
4	ISSUED FOR ADD-E01	2021.09.15	
5	ISSUED FOR ADD-E03	2021.09.27	
6	ISSUED FOR REVISED TENDER/BUILDING PERMIT	2022.01.31	
7			
8			

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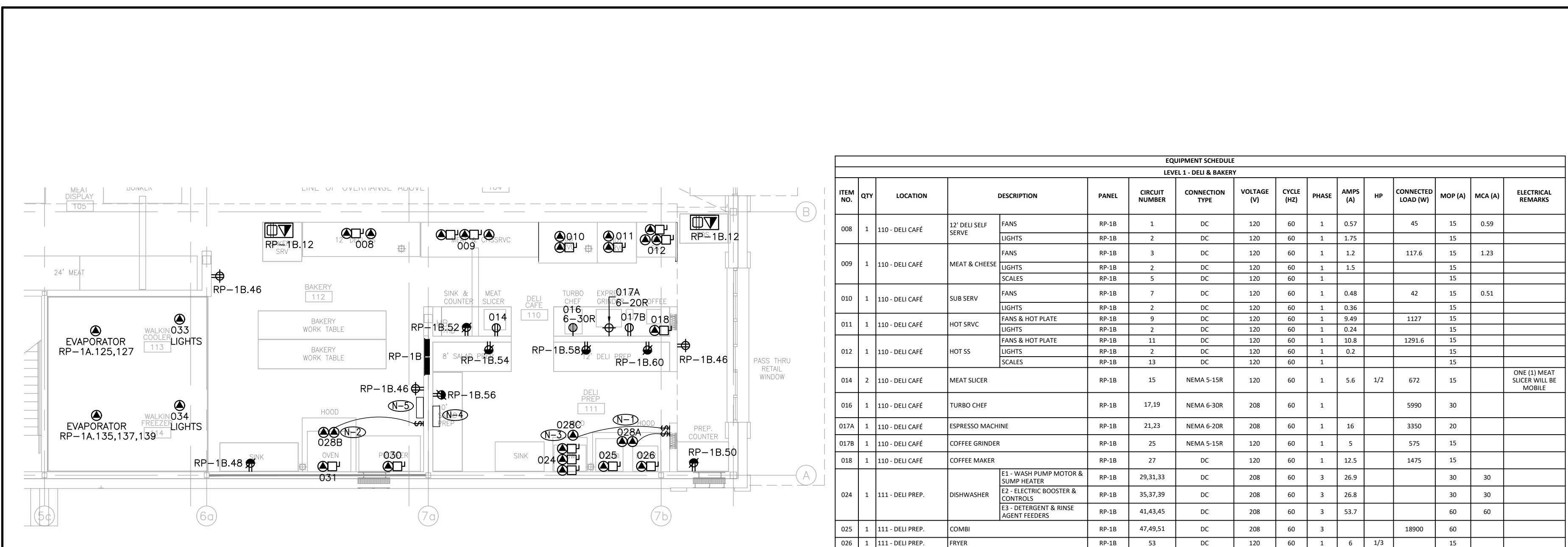
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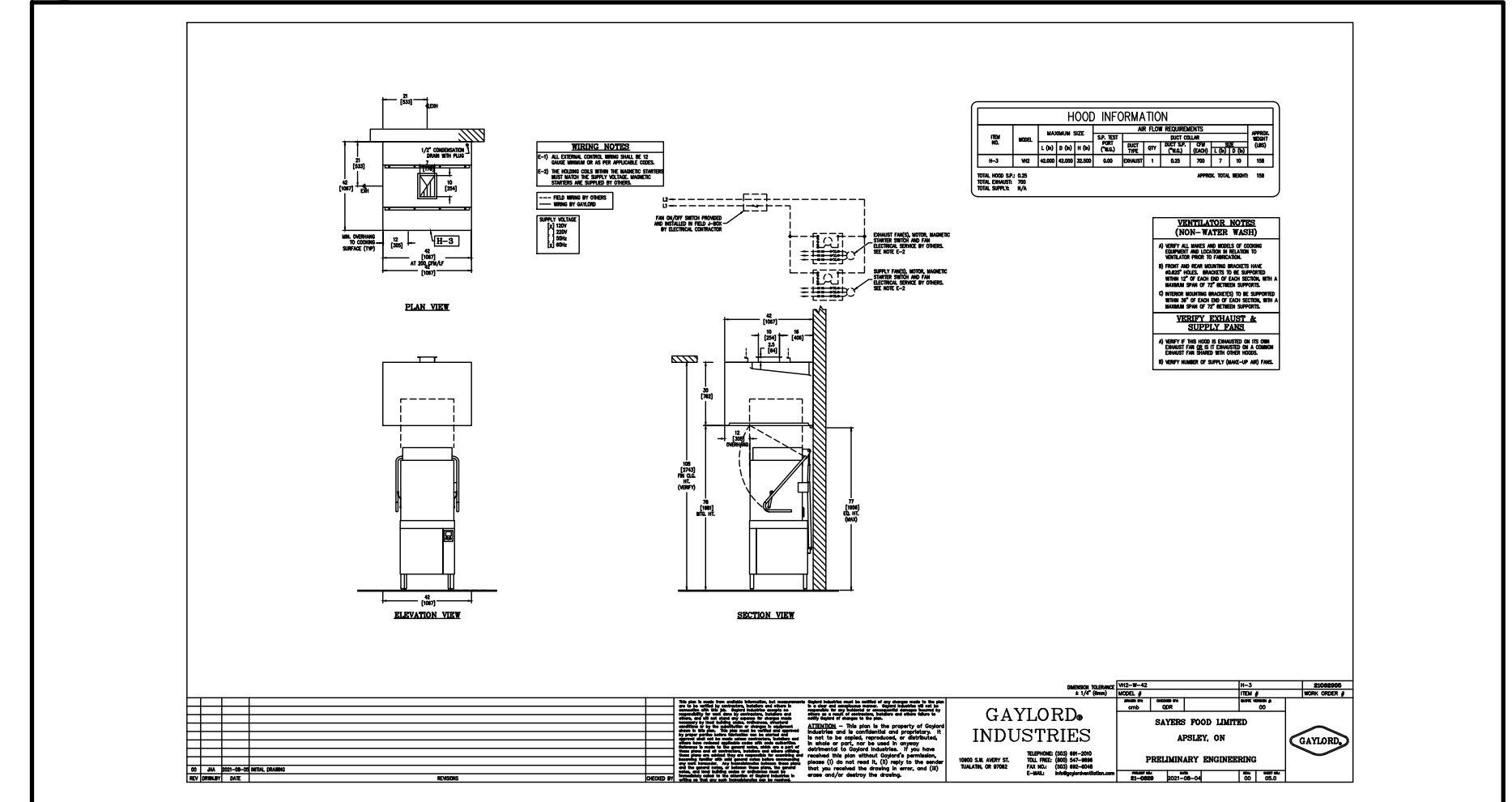
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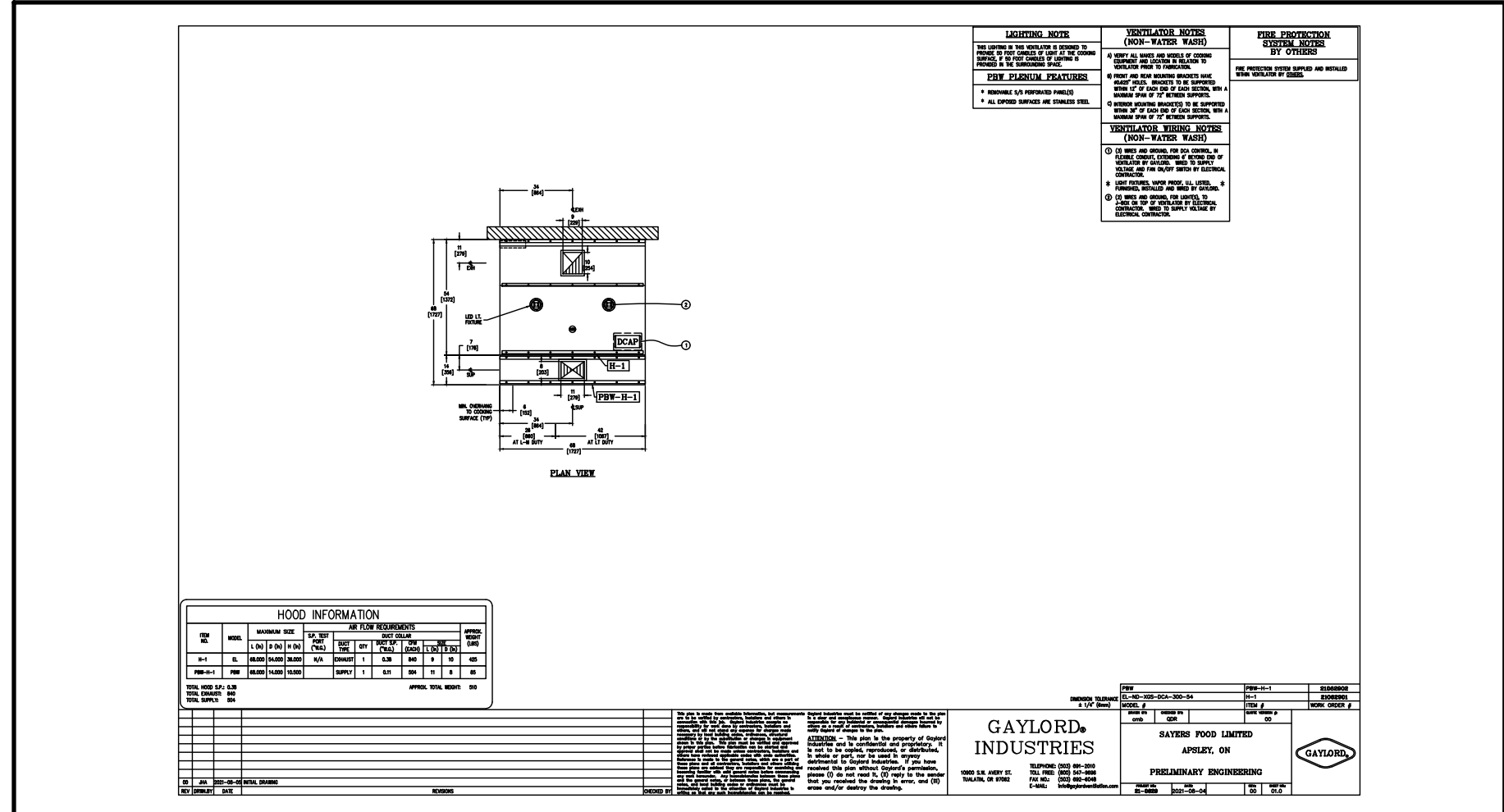
ITEM NO.	QTY	LOCATION	DESCRIPTION	PANEL	CIRCUIT NUMBER	CONNECTION TYPE	VOLTAGE (V)	CYCL (HZ)	PHASE	AMPS (A)	HP	CONNECTED LOAD (W)	MOP (A)	MCA (A)	ELECTRICAL REMARKS
008	1	110-DELI CAFE	12 DELI SELF SERVE	RP-18	1	DC	120	60	1	0.57		45	15	0.59	
			FANS	RP-18	2	DC	120	60	1	1.75					
			LIGHTS	RP-18	3	DC	120	60	1	1.2		117.6	15	1.23	
009	1	110-DELI CAFE	MEAT & CHEESE	RP-18	3	DC	120	60	1	1.5					
			LIGHTS	RP-18	4	DC	120	60	1	1.5					
			SCALES	RP-18	5	DC	120	60	1						
010	1	110-DELI CAFE	SUB SERV	RP-18	7	DC	120	60	1	0.48		42	15	0.51	
			FANS	RP-18	2	DC	120	60	1	0.36					
011	1	110-DELI CAFE	HOT SRVC	RP-18	9	DC	120	60	1	3.49		1127	15		
			FANS & HOT PLATE	RP-18	2	DC	120	60	1	6.24					
			LIGHTS	RP-18	11	DC	120	60	1	10.8		1291.6	15		
012	1	110-DELI CAFE	HOT SS	RP-18	2	DC	120	60	1	0.2					
			FANS & HOT PLATE	RP-18	13	DC	120	60	1						
			LIGHTS	RP-18	13	DC	120	60	1						
014	2	110-DELI CAFE	MEAT SLICER	RP-18	15	NEMA 5-15R	120	60	1	5.6	1/2	672	15		ONE (1) MEAT SLICER WILL BE MOBILE
016	1	110-DELI CAFE	TURBO CHEF	RP-18	17.19	NEMA 6-30R	208	60	1			5990	30		
017A	1	110-DELI CAFE	ESPRESSO MACHINE	RP-18	21.23	NEMA 6-20R	208	60	1	16		3300	20		
017B	1	110-DELI CAFE	COFFEE GRINDER	RP-18	25	NEMA 5-15R	120	60	1	5		575	15		
018	1	110-DELI CAFE	COFFEE MAKER	RP-18	27	DC	120	60	1	12.5		1475	15		
			EL. WASH PUMP MOTOR & DUMP HEATER	RP-18	28.31.33	DC	208	60	3	36.9		30	30		
			EL. ELECTRIC BOOSTER & LEADLINES	RP-18	35.37.39	DC	208	60	3	36.8		30	30		
024	1	111-DELI PREP.	DISHWASHER	RP-18	43.43.45	DC	208	60	3	33.7		60	60		
			EL. INSTENT & RINSE AGENT FEEDERS	RP-18	47.49.51	DC	208	60	3			18000	60		
025	1	111-DELI PREP.	COMBI	RP-18	53	DC	120	60	1	6	1/3		15		
026	2	111-DELI PREP.	FRYER	RP-18	53	DC	120	60	1	6	1/3		15		
028A	1	111-DELI PREP.	EXHAUST HOOD (COMBI & FRYER)												
			LIGHTS	RP-18	6	DC	120	60	1	2			15		
			DCA CONTROL												REFER TO E500
			FIRE SUPPRESSION												REFER TO E500
028B	1	111-DELI PREP.	EXHAUST HOOD (OVEN)												
			LIGHTS	RP-18	6	DC	120	60	1	2			15		
			DCA CONTROL												REFER TO E500
			FIRE SUPPRESSION												REFER TO E500
028C	1	111-DELI PREP.	EXHAUST HOOD (DISHWASHER)												
			LIGHTS	RP-18	6	DC	120	60	1	2			15		
			DCA CONTROL												REFER TO E500
			FIRE SUPPRESSION												REFER TO E500
030	1	112-BAKERY	PROOFER	RP-18	55.57.59	DC	208	60	3	21		4400	30		
031	1	112-BAKERY	OVEN	SWBD-1A	REFER TO E500	DC	208	60	1	130		27000	175		
033	1	113-WALKIN COOLER	COOLER	RP-18	61	DC	120	60	1				15		
			LIGHTS	RP-18	8	DC	120	60	1				15		
034	1	114-WALKIN FREEZER	FREEZER	RP-18	63	DC	208	60	1				15		
			LIGHTS	RP-18	10	DC	120	60	1				15		

- DRAWING NOTES:**
- 1 REFER TO E500/2 FOR COMBI+FRYER EXHAUST HOOD DETAILS. ELECTRICAL CONTRACTOR TO CONNECT DCA CONTROL TO POWER SUPPLY AND FAN ON/OFF SWITCH, PROVIDE WIRES AND GROUND FOR LIGHT(S) TO JUNCTION BOX ON TOP OF VENTILATOR, CONNECT JUNCTION BOX TO POWER SUPPLY, AS INDICATED IN E500/2.
 - 2 REFER TO E500/3 FOR OVEN EXHAUST HOOD DETAILS. ELECTRICAL CONTRACTOR TO CONNECT DCA CONTROL TO POWER SUPPLY AND FAN ON/OFF SWITCH, PROVIDE WIRES AND GROUND FOR LIGHT(S) TO JUNCTION BOX ON TOP OF VENTILATOR, CONNECT JUNCTION BOX TO POWER SUPPLY, AS INDICATED IN E500/3.
 - 3 REFER TO E500/4 FOR DISHWASHER EXHAUST HOOD DETAILS. ELECTRICAL CONTRACTOR TO PROVIDE FAN ON/OFF SWITCH AND CONNECTIONS, AS INDICATED IN E500/4.
 - 4 FIRE SUPPRESSION CONTROL PANEL FOR KITCHEN EXHAUST HOOD 028A. PROVIDE WIRE AND CONDUIT FROM CONTROL PANEL DRY CONTACTS TO TWO (2) SHUNT TRIP BREAKERS (MUA-01 AND EF-L03-02).
 - 5 FIRE SUPPRESSION CONTROL PANEL FOR KITCHEN EXHAUST HOOD 028B. PROVIDE WIRE AND CONDUIT FROM CONTROL PANEL DRY CONTACTS TO TWO (2) SHUNT TRIP BREAKERS (MUA-01 AND EF-L03-03).

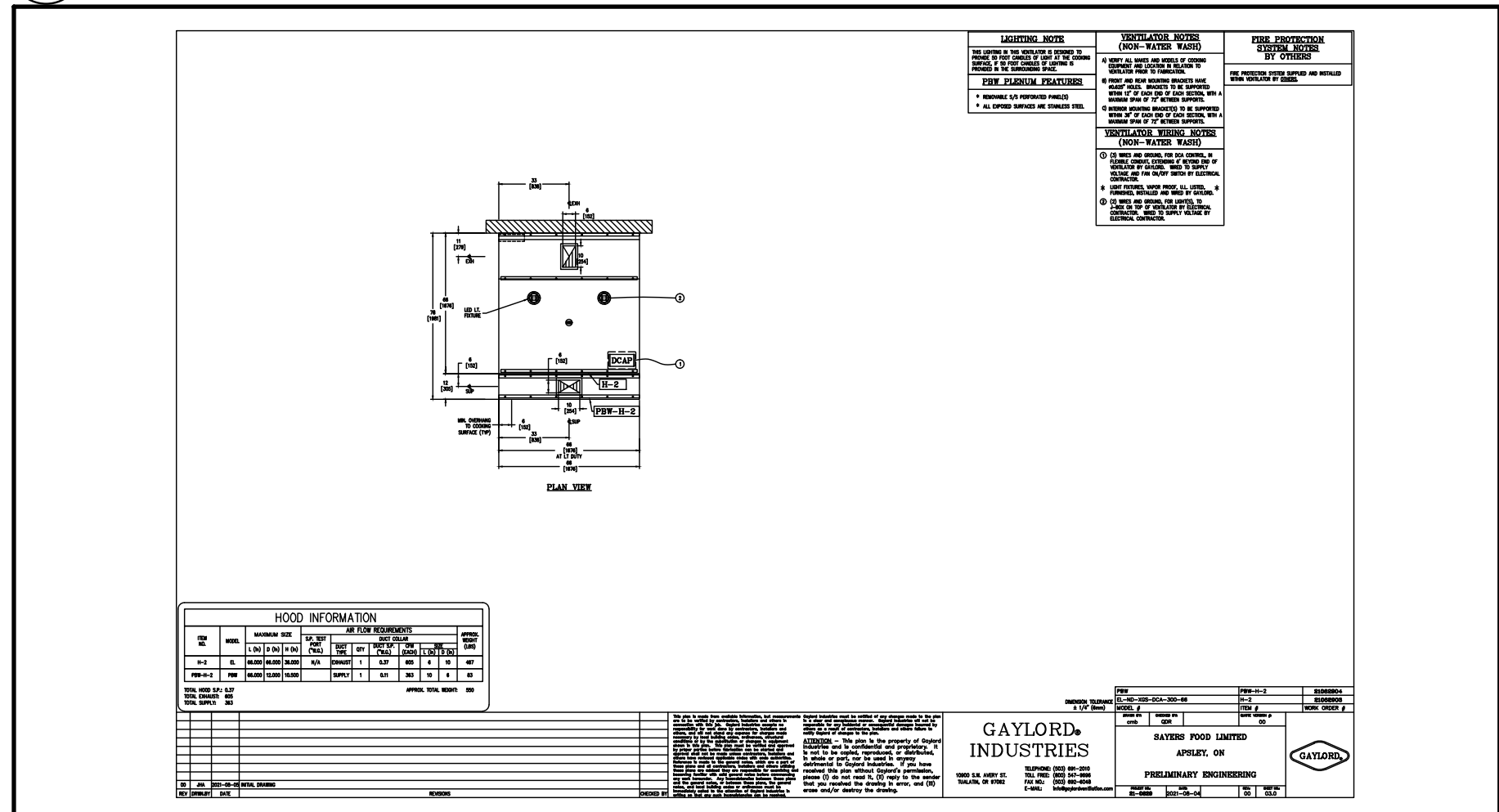
1 BAKERY & DELI CAFE/PREP



4 DISHWASHER EXHAUST HOOD



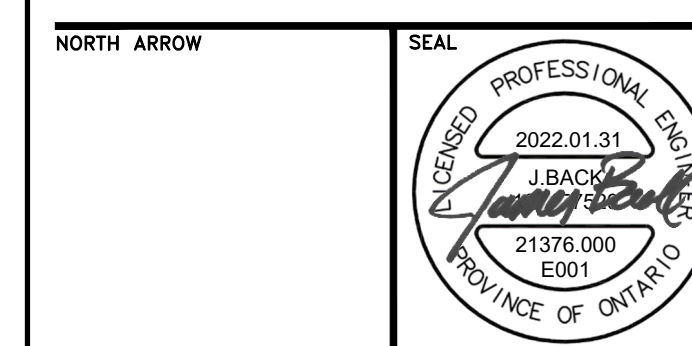
2 COMBI+FRYER EXHAUST HOOD



3 OVEN EXHAUST HOOD

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PROJECT TITLE
NEW SAYERS FOOD STORE
BURLEIGH STREET, APSLEY

DRAWING TITLE
ENLARGED PLANS

SCALE
1:100
DATE
JUNE 16, 2021

PROJECT NUMBER
21376.000.e001
DRAWING NUMBER

E500