

TENDER SET

1975 WILLIAMS PARKWAY **BRAMPTON ON L6S 6E5** PROJECT NO. 22-1493

ARCHITECTURAL

ATA ARCHITECTS INC. 3221 NORTH SERVICE ROAD.S UITE 101 **BURLINGTON ONTARIO L7N 3G2** T 905-849-6986

7. REPORT ALL CONTEMPLATED DEVIATIONS FROM THE DRAWINGS PRIOR TO MAKING CHANGES. 8. PROVIDE CUTTING, PATCHING AND REMEDIAL WORK IN ORDER TO ENSURE PARTS OF THE WORK COME

10. SCHEDULE WORK AROUND EXISTING OPERATIONS, TO ACHIEVE MINIMAL INTERRUPTIONS. 11. OVERHEAD DOORS ARE TO BE INSTALLED IN A SEQUENCE THAT ACCOMMODATES THE FACILITIES

2. INSPECT SITE CONDITIONS PRIOR TO QUOTING ON NEW WORK AND REPORT ANY DISCREPANCIES.

6. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ANY AND ALL STRUCTURAL, MECHANICAL, ELECTRICAL. REFER TO THESE DRAWINGS FOR EXACT LOCATION OF FINISHED FITTINGS. COORDINATE

4. SITE VERIFY ALL DIMENSIONS AND MAKE MODIFICATIONS TO SUIT EXISTING SITE CONDITIONS.

2023 05 12 ISSUED FOR TENDER CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. DRAWINGS ARE NOT TO BE SCALED. CONTRACT DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANTS AND SHALL NOT BE USED OR REPRODUCED WITHOUT AUTHORIZATION. DOCUMENTS ARE TO BE RETURNED UPON COMPLETION OF THE PROJECT. ATA ARCHITECTS ATA ARCHITECTS INC. **BURLINGTON OFFICE:** 3221 NORTH SERVICE ROAD, SUITE T 905 849 6986 F 905 849 4369 PROJECT TITLE TRAFFIC & ROAD FACILITY - REPLACE 12 **OVERHEAD DOORS** 1975 WILLIAMS PARKWAY BRAMPTON ON L6S 6E5 DRAWING TITLE **COVERSHEET & DRAWING LIST** AA, KS As indicated 2023 05 12

CHECKED BY

PROJECT NUMBER

DRAWING NUMBER

REVISIONS

REMARKS

TRAFFIC & ROAD FACILITY - REPLACE 12 OVERHEAD DOORS

MECHANICAL / ELECTRICAL / STRUCTURAL

EXP ENGINEERING SERVICES 1595 CLARK BLVD. BRAMPTON, ONTARIO, L6T 4V1 T 289-860-1434

F 905-849-4369

OBC - PART 11

A001

#22-1493

					DOO	R PANEL			I		DOO	R FRAME					DOOR AND FRAME
DOOR#	FLOOR	DOOR TYPE	WIDTH	HEIGHT	THICKNESS (T)		MAT	FIN	GLAZING	SCREEN TYPE	MAT	FIN	PROFILE TYPE	JAMB TYPE	HARDWARE	FR	COMMENTS
001	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	_	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6
D02	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	-	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6
D03	01 - MAIN FLOOR	EX.D01	5486	6000												N/A	EXISTING
D04	01 - MAIN FLOOR	EX.D01	5486	6000												N/A	EXISTING
D05	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	-	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6
D06	01 - MAIN FLOOR	EX.D01	5486	6000													EXISTING
D07	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	-	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6
D08	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	-	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6
D09	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	-	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6
D10	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	-	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6
D11	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	-	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6
D12	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	-	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6
D13	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	-	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6
D14	01 - MAIN FLOOR	EX.D01	5486	6000													EXISTING
D15	01 - MAIN FLOOR	EX.D01	5486	6000													EXISTING
D16	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	-	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6
D17	01 - MAIN FLOOR	D01	5486	6000	41	Α	GL/IP	GL/ST	Х	-	ALUM	PT	-	-	REFER TO MODEL SPECIFICATION	N/A	INSULATED DOOR R-13.6

GC TO ALLOW FOR/ PROVIDE REINFORCING IN ALUMINUM FRAMES FOR DOOR HARDWARE AND EQUIPMENT. REFER TO DOOR HARDWARE AND HARDWARE SCHEDULE.

SCHED	ULE ABBREVIATIONS	HARD	WARE LEGEND			DOOL	R ANI
ALUM	ALUMINUM	HINGE	<u></u>	CLOSE	E & OPEN HARDWARE	TI	
ANOD	ANODIZED	A1	PIANO HINGE	D1	CLOSER (PER LEAF)	T2	(
СВ	CEMENT BOARD	A2	TWO (2) HINGE PER LEAF	D2	DOOR STOP	T3	F
CMU	CONCRETE MASONRY UNIT	A3	THREE (3) HINGES PER LEAF	D3	HOLD/OPEN		В
0111	OUDT AND LANGUAGE		50UD (1) UU 1050 DED 1515				

CMU CONCR CW CURTAIN WALL FOUR (4) HINGES PER LEAF GWB GYPSUM WALL BOARD CONCEALED HINGE/HARDWARE GWB-A GYPSUM WALL BOARD ABUSE RESISTANT A6 CONTINUOUS HINGE GWG GREGORIAN WIRE GLASS FILM WINDOW FILM DEAD BOLT WITH THUMB TURN

FACTORY FINISH GL GLAZING (CLEAR) TOP & BOTTOM FLUSH BOLTS HM HOLLOW METAL OG OBSCURE GLASS CANE BOLT TOP & BOTTOM PLAM PLASTIC LAMINATE AUTOMATIC FLUSH BILOLTS PREFIN. PREFINISHED PAINTED PRIVACY LOCKSET

C13 OVERHEAD SCREEN LOCKSET

C14 ENTRANCE LOCKSET

INTERIOR GLAZED SCREEN SCWG SOLID CORE WOOD GRAIN SCWV SOLID CORE WOOD VENEER STAINLESS STEEL STAIN AND VARNISH PUSH/PULLPLATES DOOR PULL SOLID WOOD TEMPERED GLASS PANIC HARDWARE (PER LEAF) PANIC HARDWARE WITH PULL (PER LEAF) VISION STRIP WOOD CYLINDRICAL LOCKSET WOOD PANEL LEVER LOCKSET INSULATED PANEL KEYED THUMB LATCH STUCCO FINISH C12 KEY DOGGING

Emergency operation via chain hoist and

panels with Duratec® synthetic glazing.

yrs. motor/gearbox and panels. 2 yrs. other

counterbalance springs.

Smoke Gray.

R-13.6 thermal performance.

56.3% ventilation cross-section.

mech./elec., 7 yrs. vision slats.

DEAD BOLT WITH THUMB TURN AND FINGER PULL E5 STORE ROOM LOCKSET CLASSROOM LOCKSET PASSAGE SET

ADO - AUTOMATIC DOOR OPERATOR T6 DOOR OPENER ALARM DEVISE ELECTROMAGNETIC LOCK ELECTROMAGNETIC HOLD OPEN ELECTRIC STRIKE UNIVERSAL WASHROOM KIT

CARD READER KIT/FOB SOUND SEAL (FULL PERIMETER) ACOUSTICAL DETAILS WEATHER-STRIPPING THRESHOLD

(REFER TO A0.04)

REFER TO DRAWINGS & APPENDIX -KICK PLATE DOOR GRILLE (AS PER MECH.) DOOR SWEEP CENTRE POST ROLLING SHUTTER

EMERGENCY EGRESS SIGNAGE (EES)

AND TRANSOM TREATMENT

GEORGIAN WIRE GLASS (FIRE RATED) PATTERN GLASS NO. GL-320-10 BY HOLLANDER ARCHITECTURAL GLASS WOOD PANEL (TRANSOM ONLY) VERTICAL WOOD LOUVRE TRANSLUCENT / PRIVACY

WARM GRAY FRIT 90-100% DOTS TBD PRIVACY FILM (EXACT TYPE TO BE CONFIRMED)

SIGNAGE MATERIAL

REVISIONS

NUMBER

REMARKS

CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS

DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING

AND CONDITIONS ON THE PROJECT AND REPORT ANY

WITH THE WORK. DRAWINGS ARE NOT TO BE SCALED.

CONTRACT DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANTS AND SHALL NOT BE USED OR REPRODUCED

WITHOUT AUTHORIZATION. DOCUMENTS ARE TO BE RETURNED UPON COMPLETION OF THE PROJECT.

ATA ARCHITECTS ATA ARCHITECTS INC.

SEALS

BURLINGTON OFFICE: 3221 NORTH SERVICE ROAD, SUITE

T 905 849 6986 F 905 849 4369

PROJECT TITLE

DRAWING TITLE

DRAWN BY

CHECKED BY

PROJECT NUMBER

DRAWING NUMBER

SUPPLY AND INSTALL **34** SIGNS INDICATING OVERHEAD DOOR #, SIGN SHALL BE: **9" (H) X 9" (W)** (GC TO COORDINATE THE EXACT SIZE BASED ON THE SIZE OF THE GLAZED SLAT) 3M FLOOR GRAPHICS OPAQUE SELF-ADHESIVE 7MIL VINYL, MOUNTED ON INTERIOR AND EXTERIOR SIDE OF OVERHEAD DOORS (BAY-1 TO BAY-17).

THE SIGNS SHALL BE TAPED BACK TO BACK ON INTERIOR AND EXTERIOR SIDE ON GLASS OF DOORS AT APPROXIMATELY +/- 3000 A.F.F.

GENERAL CONTRACTOR TO PROVIDE SHOP DRAWINGS FROM A SIGNAGE COMPANY, REVIEWED BY OWNER AND CONSULTANT FOR APPROVAL PRIOR TO SUPPLY AND INSTALLATION.



DOOR ABBREVIATIONS





Product Data Sheet

Speed-Guardian[™] 5000 C U 42

The Speed-Guardian™ High speed doors provide excellent thermal in opening speeds.

Thermally isolated design for reduced 1 5/8" thick X 10" high insulated slats with energy transfer and optimal efficiency. Speed: Up to 100"/sec. open, 20"/sec. Enhanced 10" tall double-pane vision Optional tinted vision slats, Obscured White, Optional perforated metal slats with a • 5, 2, & 7 year warranty protection plan. 5

5000	 Compact, non-contact spiral guides eliminate wear and noise. 	
	 Up to three (3) LED Lite-Advance[™] visual traffic indicators per door (optional). 	
ed, security line of insulation and fast	 An integrated light curtain ensures safety of equipment, pedestrians, and vehicles. 	
		90
U 42 with non-contact spiral	Specify High Performance Doors in Section	

echnical Data				Remark		
peed-Guardian™ igid, high performand oll-up technology.	5000 C U 42 ce door with non-contact spiral			n 08 33 30.13 'Overhead Rapid Coiling Doors' MasterSpec®, SpecLink, and Hormann.us®		
pplication		Exterior or	Interior	Hood required for exterior mounted doors		
peed		Opening	Closing	Variable speed based on opening height		
peeu		60" up to 100"/sec.	Up to 20"/sec.	variable speed based on opening neight		
ontrol Panel		Smart Star (11 5/8"W x 15 3/4		Standard, NEMA Type 4X / IP66		
oll-up Technology		Non-contact spir Non-contact	And the second s	Standard		
oor Construction	Size Range	*Width: 6'-0" ເ Height: 8'-0" ເ		*Max height = 16'-0" if Width > 21'-4", 5 vision panels max		
	Guide Track Profile	12" x 12 1/2", chamfered	corners (interior side)			
	# of Spiral Size Configurations	Three	(3)	Selected per door height		
	Solid Slat Height & Depth	9 7/8"H, 1	1 5/8"D			
	Visible Material (Glazing Height)	6-1/4	" H	22		
verhead Spiral	Mullions	None up-to 120" wide, Two up-to 198" wide,		+15% Enhanced visible area over previous Speed-Guardian™ models		
equired Headroom		36 1/4" min. if door 37 5/8" min. if door hei 41 1/2" min. if door	ght is 14'-9"- 18'-0"	Per spiral configuration size		
rive Mechanism		Direct-drive operator with	h chain lift mechanism			
ounterbalance Sys	tem	Belt mechanism	n and springs			
raking		Control box activate	ed 24V DC brake	Built-in, anti-fallback safety brake device integrated with operator worm gear		
ycleability / Mainte	enance	High / inspect per ea. 50 Windows replacable inde		Consult factory for details		
afety Features		Built-in light grid, cha	in hoist open/close	Spring compensation assist		
esistance to Wind	Load	DW ≤ 16'-4", Class 5 max. DW >16'-4", ≤ 19'-8", C (15psf; 100mp DW > 19'-8", Class 2 max	Class 4 max. 83mph	DW = Door Width Per standard EN 12424, DASMA 108 Exposure B		
ire Resistance Rati	ng	Non-rated, Non-o	conforming exit	Per 2012 IBC Section 1008		
Varranty		5, 2, & 7 years. Motor/gear other mech./elec. (2)	box and Panels (5), all	Standard		
				L.		

Product Data Sheet (Continued)

Speed-Guardian[™] 5000 C U 42

Materials and Finishes		
Guide Tracks & Covers	11-ga. HDG steel tracks, 16-ga. HDG steel covers	Zinc, Class G90 (0.9 oz. per SF)
Door Headers, Spiral Guides, Drive Shaft Support	11-ga. Hot-dipped galvanized steel	Zinc, Class G90 (Panel Wheel Guides, Aluminum)
Counterbalance Assemblies	Oil temp. Steel helical extension springs	Available up-to 8 springs per door
Weather Seals	Twin rubber, non-contact lintel	
Solid Door Slats	22-ga. Hot-dipped galvanized steel, with foamed-in-place polyurethane insulation core. MicroGrain™ texture exterior, Stucco texture interior. Color RAL 9006	Zinc, Class G40 (0.4 oz. per SF) Polyurethane foam density 11pcf
Vision Door Slats	1" Double-pane, acrylic, clear or tinted (Obscured White, Smoke Gray) and Duratec® abrasion-resistive coating	Vision panel frame, extruded anodized aluminu
Ventilation Door Slats	1" Double-walled, perforated clear anodized alumi- num, 1/2" square press-punched grid pattern	Ventilation panel frame, extruded anod. aluminu Open area 56.3%
Bottom Profile Door Slat	22-ga. HDG Interlocking flat-faced, insulated steel panel, with extruded black rubber weather seal loop	Zinc, Class G40 (0.4 oz. per SF) Polyurethane foam density 11pcf
Electric Door Operator	Cast aluminum	
Control Panel	Stainless steel, or baked-on polyester powder coat painted. Color RAL 7035 Light Gray	Powder Coat Painted, Standard
Hood and Motor Cover	16-ga. Hot-dipped galvanized steel	Zinc, Class G90 (0.9 oz. per SF)
Energy Analysis		
Air Permeability (leakage)	0.6 cfm/ft² (12 m³h/m²), Class 2	Per test EN 12427, (ASTM E283, ANSI/NFRC 4
Resistance to Water Penetration	Class 2, 15 min @ 55pa	Per test EN 12489 (ASTM E547)
Visible Transmittance (Tvis)	0.91%	Per calc ANSI/NFRC 200-2014 (Clear Vision Slats)
Solar Heat Gain Coefficient (SHGC)	0.75%	Per calc ANSI/NFRC 200-2014 (Clear Vision Slats)
Thermal Resistance (R-value)	13.6 (ft² x°F x hr)/BTU, 2.40 (m² x K)/W	Per test EN 717-1, DASMA TDS-163 (Insulated SI
Heat Transfer Coefficient (U-value)	1.04 W/(m² x K), 0.18 BTU/(hr x ft² x°F)	Per test EN 12667: 199997-11, DASMA TDS-1
Acoustic Insulation	STC 30, R _w 26 dB	Per test EN 717-2, ASTM E90 (Without Visions)
LEED Credit (Potential)	EAc2, MRc1, MRc3, IEQc2, IEQc4, INc1, RPc1	USGBC® LEED v4
Electrical		
Electric Door Operator (Motor)	2.0 HP GfA Elektromaten F18	NEMA Type 3 / IP54
Operating Voltage (Motor)	3 PH, 132v or 230v	From Control Box to Motor

5 kW variable frequency drive rated for operating

13.3 A

Fuse: 20 Amp, Class K

The Speed-Guardian[™] high speed, security line of doors are characterized by an elegant Micrograin surface finish with hot-dipped galvanized, double-skinned steel panels providing excellent thermal insulation and fast opening speeds. Thanks to non-contact rollup technology and a standard built-in light grid the Speed-Guardian™ is a proven industry leader for both safety and longevity. The versatility expressed in its range of applications includes retail automotive, emergency services, parking structures and others. Hörmann's latest generation, the Speed-Guardian™ 5000 series has once again succeeded with what is to be expected of quality and innovation in high performance doors.

Standard Power Requirement (to Control Box) 208vAC* - 230 vAC - 480 vAC - 600vAC*, 3 PH, 60 Hz

Control Panel

Full Load Amps

Hörmann Flexon, LLC

The Speed-Guardian™ High speed, security line of doors provide excellent thermal

insulation and fast opening speeds. Hörmann Flexon, LLC | Starpointe Business Park | 117 Starpointe Boulevard | Burgettstown, PA 15021-9506 1-800-365-3667 | 724-385-9150 | Fax: 724-385-9151 | www.hormann.us | Email: info2@hormann.us

We reserve the right to change specifications without notice. © Hörmann Flexon, LLC (Issue 07/2022) Print

Enclosure: NEMA Type 4X / IP66, UL/CUL Listed

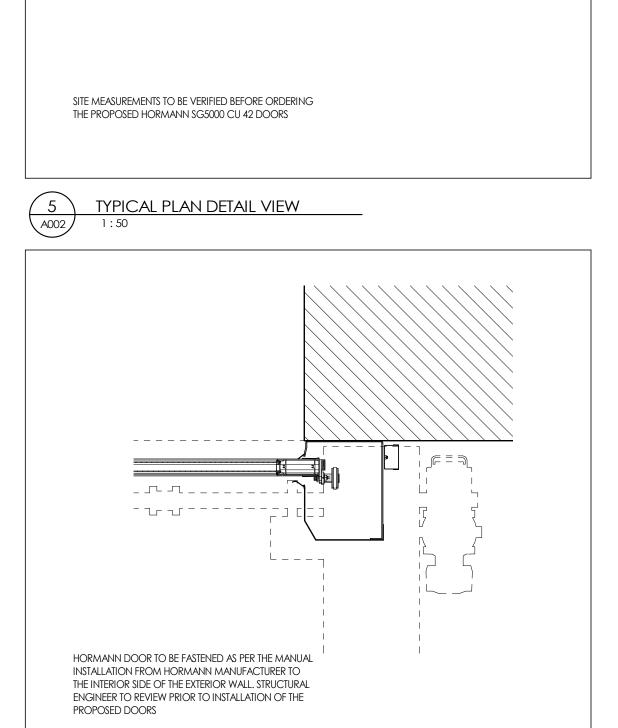
*Transformer may be req'd. Consult Factory

Operator

Supplied by Others

				—— EXISTI	NG ROOF		
					O <u>W R</u> OOF (9600	
			- 7	EXISTI ELECT	NG DUCKWOF RICAL CONDU	RK, SPRINKLER P JITS AND OTHER	ipes SS
	21-6# 	====		(OVERHEAD /	7422	
	4-8"			—(EXOI)	<u> </u>		
				GF	EEN ROOF	6000	
24'4 1/4"	/4"	0	05				
	19:8 1/4"						
				01 - M.	AIN FLOOR	0	

WALL SECTION A-A



D05

L		
	(6)	TYPICAL CONNECTION JAMB DETAIL
	A002	1:10

DATA SHEET

Ver. 4.0

Hörmann Flexon, LLC

TRAFFIC & ROAD

SCHEDULES & DETAILS

AA, KS

As indicated

2023 05 12

#22-1493

MD

FACILITY - REPLACE 12

1975 WILLIAMS PARKWAY

BRAMPTON ON L6S 6E5

OVERHEAD DOORS

REVISION	NS	
NUMBER	DATE	REMARKS
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3221 NORTH : 101 BURLINGTON T 905 849 69	OFFICE: SERVICE ROAD, SI	G2.
3221 NORTH 9 101 BURLINGTON T 905 849 69 E admin@ataa	OFFICE: SERVICE ROAD, SI , ONTARIO, L7N 30 986 F 905 849 43	G2. 69
3221 NORTH : 101 BURLINGTON T 905 849 69	OFFICE: SERVICE ROAD, SI , ONTARIO, L7N 30 986 F 905 849 43	G2. 69
3221 NORTH 9 101 BURLINGTON T 905 849 69 E admin@ataa	OFFICE: SERVICE ROAD, SI , ONTARIO, L7N 30 986 F 905 849 43	G2.
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3221 NORTH 9 101 BURLINGTON T 905 849 69 E admin@ataa	OFFICE: SERVICE ROAD, SI , ONTARIO, L7N 30 986 F 905 849 43	ARCHITECTS MARK J. DRIEDGER
3221 NORTH S 101 BURLINGTON T 905 849 69 E admin@ataa	OFFICE: SERVICE ROAD, SI , ONTARIO, L7N 30 986 F 905 849 43 irchitectsinc.com	ARCHITECTS MARK J. DRIEDGER
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3221 NORTH S 101 BURLINGTON T 905 849 69 E admin@ataa	OFFICE: SERVICE ROAD, SI , ONTARIO, L7N 30 986 F 905 849 43 irchitectsinc.com	ARCHITECTS MARK J. DRIEDGER LICENCE 8236
3221 NORTH S 101 BURLINGTON T 905 849 69 E admin@ataa SEALS PROJECT	OFFICE: SERVICE ROAD, SE , ONTARIO, L7N 30 286 F 905 849 43 Irchitectsinc.com TITLE TRAF CILITY - OVERH	ARCHITECTS ARCHITECTS MARK J. DRIEDGER LICENCE 8236 FIC & ROAL REPLACE 1 EAD DOOR
3221 NORTH S 101 BURLINGTON T 905 849 69 E admin@ataa SEALS PROJECT FA 1975	OFFICE: SERVICE ROAD, SE , ONTARIO, L7N 30 986 F 905 849 43 prohitectsinc.com TITLE TRAF CILITY - OVERH WILLIAN	ARCHITECTS ARCHITECTS MARK J. DRIEDGER LICENCE 8236 REPLACE 1 EAD DOOR AS PARKWA
3221 NORTH S 101 BURLINGTON T 905 849 69 E admin@ataa SEALS PROJECT FA 1975	OFFICE: SERVICE ROAD, SE , ONTARIO, L7N 30 286 F 905 849 43 PROPERTY - TITLE TRAF CILITY - OVERH MILLIAN MPTON	ARCHITECTS ARCHITECTS MARK J. DRIEDGER LICENCE 8236 FIC & ROAL REPLACE 1 EAD DOOR
3221 NORTH S 101 BURLINGTON T 905 849 69 E admin@ataa SEALS PROJECT FA 1975 \ BRA	OFFICE: SERVICE ROAD, SE , ONTARIO, L7N 3 986 F 905 849 43 ITITLE TRAF CILITY - OVERH MILLIAN MPTON TITLE	ARCHITECTS ARCHITECTS MARK J. DRIEDGER LICENCE 8236 REPLACE 1 EAD DOOR AS PARKWA
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3221 NORTH S 101 BURLINGTON T 905 849 69 E admin@ataa SEALS PROJECT FA 1975 \ BRA DRAWING	OFFICE: SERVICE ROAD, SE , ONTARIO, L7N 3 986 F 905 849 43 TITLE TRAF CILITY - OVERH MILLIAN MPTON TITLE FLO	ARCHITECTS ARCHITECTS MARK J. DRIEDGER LICENCE 8236 REPLACE 1 EAD DOOR AS PARKWA NON L6S 6E
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3221 NORTH SIDE SURLINGTON T 905 849 69 E admin@ataas SEALS PROJECT FA 1975 \ BRA DRAWING DRAWING	OFFICE: SERVICE ROAD, SE , ONTARIO, L7N 3 986 F 905 849 43 TITLE TRAF CILITY - OVERH MILLIAN MPTON TITLE FLO STITLE FLO STITLE FLO STITLE TRAF CILITY - TRAF T	FIC & ROAL REPLACE 1 EAD DOOR AS PARKWA' NON L6S 6E OOR PLAN - DEM AA, K
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(22-1493 - City of Brampton 1975 Williams Parkway\02-Construction Documents\01-Architectural\01-Design and Renderings\01 - 12 Overhead Doors\22-1493 - 1975 Williams Pkwy Overhec

REVISION:	DATE	REMARKS	
		ISSUED FOR TENDER ND VERIFY ALL DIMEN OJECT AND REPORT A	
		ITECT BEFORE PROCE ARE NOT TO BE SCALE	_
CONSULTANTS WITHOUT AUTH	AND SHALL NO HORIZATION, DO	THE COPYRIGHT OF T OT BE USED OR REPRO OCUMENTS ARE TO BE N OF THE PROJECT.	DUCED
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		Mark J. DRIEDG	ER S
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PROJECT		Mark J. DRIEDG MARK J. DRIEDG LICENCE 8236	ER HILLING
	TRAF	Mark J. DRIEDG	ER INTERNIT
FAC	TRAF CILITY - OVERH	FIC & RC	DAC E 12
FA() 1975 V	TRAF CILITY - OVERH VILLIAN	MARK J. DRIEDG LICENCE 8236 FIC & RC REPLACI	DAD E 12 ORS VAY
FA() 1975 V	TRAF CILITY - OVERH VILLIAN MPTON	FIC & RC REPLACI	DAD E 12 DRS VAY 6E5
FA((1975 V BRA	TRAF CILITY - OVERH VILLIAN MPTON	FIC & RC REPLACI IEAD DOG AS PARKY	DAD E 12 DRS VAY 6E5
FAC 1975 V BRA DRAWING	TRAF CILITY - OVERH VILLIAN MPTON	FLOOR PLAN	DAD E 12 DRS VAY 6E5
FAC 1975 V BRA DRAWING	TRAF CILITY - OVERH VILLIAN MPTON	FIC & RC REPLACI IEAD DOG AS PARKY NON L6S	DAD E 12 DRS VAY 6E5
FAC 1975 V BRA DRAWING	TRAF CILITY - OVERH VILLIAN MPTON	FIC & RC REPLACI IEAD DOG AS PARKY NON L6S	DAD E 12 ORS VAY 6E5
FAC 1975 V BRA DRAWING	TRAF CILITY - OVERH VILLIAN MPTON	FIC & RC REPLACI IEAD DOG AS PARKY NON L6S	DAD E 12 DRS VAY 6E5 NEW
FAC 1975 V BRA DRAWING	TRAF CILITY - OVERH VILLIAN MPTON TITLE	FIC & RC REPLACI IEAD DOO NO LICENCE 8236 REPLACI IEAD DOO NO L6S FLOOR PLAN	DAD E 12 DRS VAY 6E5 - NEW : 100
FAC (1975 V BRA DRAWING DRAWN BY	TRAFCILITY - OVERHALLIAN MPTON TITLE	FIC & RC REPLACI IEAD DOO NO LICENCE 8236 REPLACI IEAD DOO NO L6S FLOOR PLAN	DAD E 12 DRS VAY 6E5 NEW
FAC (1975 V BRA DRAWING DRAWN BY SCALE	TRAFCILITY - OVERHALLIAN MPTON TITLE	FIC & RC REPLACI IEAD DOO AS PARKY NON L6S FLOOR PLAN	DAC = 12 ORS VAY 6E5 - NEW : 100 05 12

(22-1493 - City of Brampton 1975 Williams Parkway\02-Construction Documents\01-Architectural\01-Design and Renderings\01 - 12 Overhead Doors\22-1493 - 1975 Williams Pkwy Overhec



P:\22-1493 - City of Brampton 1975 Williams Parkway\02-Construction Documents\01-Architectural\01-Design and Renderings\01 - 12 Overhead Doors\22-1493 - 1975 Williams Pkwy Overhead D

ELECTRICAL LEGEND POWER & DISTRIBUTION SYSTEMS MISCELLANEOUS ABBREVIATIONS/SUBSCRIPTS/SYMBOLS PANELBOARD (SURFACE MOUNT). PANELBOARD (RECESSED MOUNT). ENCLOSED BUS ASSEMBLY. CABLE TRAY (LADDER OR TROUGH) RECEPTACLE/DIRECT CONNECTIONS the series by the series in th 120V, 2P, 3W, 15A DUPLEX (CSA #5 SERIES) RECEPTACLE WITH USB CHARGING PORTS 120V, 2P, 3W, 15A DUPLEX (CSA #5 SERIES) RECEPTACLE PRE-WIRED AND FACTORY INSTALLED IN MODULAR WALL SYSTEM 120V, 2P, 3W, 15A FOUR PLEX (CSA #5 SERIES) RECEPTACLE PRE-WIRED AND FACTORY INSTALLED IN MODULAR WALL SYSTEM 120V, 2P, 3W, 15A SPLIT TYPE DUPLEX RECEPTACLE. 120V, 2P, 3W, 15/20A T-SLOT TYPE DUPLEX RECEPTACLE. CSA#5 SERIES. SUBSCRIPT "S" INDICATES SPLIT RECEPTACLE. 120V, 2P, 3W, 15A FOUR PLEX RECEPTACLE 2. DUPLEXES UNDER COMMON PLATE). 125V, 2P, 3W SINGLE RECEPTACLE (CSA #5 SERIES). 125/250V, 3P, 4W SINGLE RECEPTACLE (CSA #14 SERIES). 250VDC/600VAC, 3P, 4W SINGLE RECEPTACLE (CSA #L17 SERIES). SUSPENDED INDUSTRIAL POWER CORD REEL COMPLETE WITH 15/20A T-SLOT RECEPTACLE. 1 PHASE, 3W DIRECT CONNECTION (L, N, G) OR (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). CEILING SPACE MOUNTED 1 PHASE, 3W DIRECT CONNECTION (L, N, G) FOR HANDS-FREE WASHROOM PLUMBING FIXTURES. REFER TO FLOOR PLANS FOR DETAILS. FLOOR FLUSH MOUNTED OUTLET BOX C/W ONE(1) 120V, 2P, 3W, 15A DUPLEX RECEPTACLE & TWO (2) DATA OUTLET. DIRECT CONNECTION VOLTAGE INFORMATION INDICATION BY CIRCUIT No. 2. UNLESS NOTED OTHERWISE MOUNTING HEIGHT OF ALL OUTLETS IS 455mm (18") A.F.F. UNLESS NOTED OTHERWISE (IE: 30A, 20A) ALL RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. TYPICAL CIRCUIT NUMBER IDENTIFICATION -"3**" INDICATES CIRCUIT NUMBER 3 FOR PHOTOCOPIER. ----"2*" INDICATES CIRCUIT NUMBER 2 COMPLETE WITH ISOLATED GROUND (GREEN) CONDUCTOR "1" INDICATES CIRCUIT NUMBER 1 ____ "R" INDICATES PANEL "LP-R" MECHANICAL WIRING SYSTEMS MECHANICAL EQUIPMENT/MOTOR. DISCONNECT SWITCH (UNFUSED). SUBSCRIPT INDICATES SIZE. SUBSCRIPT 'N' INDICATES COMPLETE WITH SOLID NEUTRAL. DISCONNECT SWITCH (FUSED). SUBSCRIPT INDICATES FUSE RATING. SUBSCRIPT 'N' INDICATES COMPLETE WITH SOLID NEUTRAL. MANUAL STARTER COMPLETE WITH PILOT LIGHT. MAGNETIC STARTER. COMBINATION MAGNETIC STARTER

DEMOLITION NOTES

- THE ELECTRICAL CONTRACTOR SHALL, AS PART OF HIS WORK, PERFORM ALL RELATED DEMOLITION, MODIFICATIONS, RELOCATION OF ELECTRICAL DISTRIBUTION AND OTHER EQUIPMENT AND RELATED WORK, INCLUDING NEW WORK NECESSARY TO COMPLETE THE
- THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING BIDS. REFER TO EXISTING DRAWINGS AND VISIT THE SITE TO DETERMINE THE EXTENT OF THE DEMOLITION AND NEW WORK REQUIRED.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL TECHNICAL DETAILS OF EQUIPMENT TO BE REMOVED. WHERE THERE IS A DISCREPANCY WITH THE TENDER DOCUMENTS, CONTRACTOR SHALL ENGAGE CONSULTANTS FOR DIRECTIONS. ELECTRICAL CONTRACTOR SHALL MAKE A LIST OF ALL EQUIPMENT TO BE REMOVED. THIS LIST SHALL BE WITH ALL FOLLOWING INFORMATION * MAKE/MODEL#
- * MANÚFACTURËR * TECHNICAL DETAILS

- MOUNTING HEIGHT FOR DEVICES ABOVE

OTHERWISE).

3P+N - 3 POLE & UNSWITCHED NEUTRAL.

- ABOVE FINISHED FLOOR.

CEILING SPACE MOUNTED.

BENCH MOUNTED.

CONTROLLED LOAD.

FOUNTAIN.

FLOOR MOUNTED.

ISOLATED GROUND TYPE.

MOUNTING HEIGHT.

NIGHT LIGHT

WIREGUARD.

EXP/EP - EXPLOSION PROOF.

CL

GF

WG

PTZ

ER

COUNTER/SINK MILLWORK TO BE 1020mm

TYPICAL NORMAL POWER CIRCUIT NUMBER

- TYPICAL ESSENTIAL POWER CIRCUIT NUMBER

- TYPICAL CONTROL PANEL CIRCUIT NUMBER

- WATER BOTTLE REFILLING STATION/DRINKING

- WITH DISCONNECT AND VISIBLE ISOLATION.

GROUND FAULT CIRCUIT INTERUPTER.

- SURGE SUPRESSION TYPE DEVICE.

- LOCKING TYPE (TWISTLOCK).

MOUNT IN VERTICAL FACE.

MOUNT 42" (1065mm) A.F.F.

- EXISTING TO BE RELOCATED.

RELOCATED AT NEW LOCATION.

EXISTING TO BE REPLACED WITH NEW.

RE/RE - REMOVED & REINSTALLED IN SAME LOCATION.

EMERGENCY POWERED LIGHTING

WEATHERPROOF TYPE.

PAN, TILT, ZOOM

REMOVED.

EXISTING TO REMAIN.

FROM TOP OF DEVICE TO A.F.F. (UNLESS NOTED

EG. PANELBOARD LP-1 CIRCUIT NUMBER 3.

EG. PANELBOARD LPE-1 CIRCUIT NUMBER 3.

EG. PANELBOARD LP-1A CIRCUIT NUMBER 3.

- * LOCATION THIS LIST SHALL BE SUBMITTED TO THE OWNER FO RECORD PURPOSES.
- THE ELECTRICAL CONTRACTOR SHALL NOT DISCONNECT EQUIPMENT AND ELECTRICAL CIRCUITS IN THE RENOVATION AREA OR ANY PART OF THE BUILDING WITHOUT PRIOR NOTIFICATION AND PERMISSION FROM THE OWNER. EXTREME CARE SHALL BE TAKEN TO MINIMIZE DISTURBANCE TO THE SURROUNDING AREA.
- ITEMS REMOVED AND NOT SCHEDULED TO BE RELOCATED SHALL BE OFFERED TO THE OWNER FOR THEIR USE AND IF NOT ACCEPTED BY THE OWNER, THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF THE MATERIAL FROM THE SITE IN ACCORDANCE WITH LOCAL REGULATIONS, THE ELECTRICAL CONTRACTOR SHALL DELIVER ITEMS ACCEPTED BY THE OWNER TO THE DESIGNATED LOCATIONS AS DIRECTED BY THE OWNER.
- IN ALL CASES WHERE WORK IS REMOVED, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, EQUIPMENT AND LABOR TO SUSTAIN OPERATION OF ALL PARTS OF THE SYSTEMS CONNECTING TO OR FROM THE PART REMOVED, COMPLETING ALL WORK IN STRICT ACCORDANCE WITH APPLICABLE CODES.
- ALL WIRING, CABLES AND FEEDERS INCLUDING BOTH CONNECTED TO DEVICES AND EQUIPMENT TO BE DEMOLISHED AND EXISTING THAT WERE ABANDONED IN PLACE SHALL BE REMOVED BACK TO THEIR SOURCES. UNLESS NOTED OTHERWISE, CONDUITS AND/OR WIRING SHALL, WHERE NECESSARY, BE RE-CIRCUIT AROUND THE REMOVED PART, KEEPING OCCUPIED PARTS OF THE BUILDING SYSTEM IN FULL SERVICE.
- ALL EXISTING CONDUITS WHICH HAVE BEEN ABANDONED OR ARE UNUSED SHALL BE
- PROVIDE BLANK METAL COVER PLATES FOR ALL JUNCTION/DEVICE BOXES NO LONGER IN USE THAT ARE EMBEDDED IN FLOOR SLAB OR MASONRY WALLS. PROVIDE PLUGS FOR ALL PANELS WHERE CONDUIT HAS BEEN REMOVED. COVER PLATES SHALL BE PAINTED TO MATCH EXISTING CONDITIONS.
- D. ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED TYPE WRITTEN PANEL DIRECTORIES FOR ALL PANELS AFFECTED BY THE DEMOLITION AND/OR NEW WORK. CIRCUIT BREAKERS NOT USED FOR NEW WORK SHALL BE LABELED AS SPARE.
- . FOR EXISTING DEVICES/CIRCUITRY THAT ARE INDICATED TO BE REMOVED BACK TO POINT OF ORIGIN-THESE ITEMS ARE TO BE REMOVED BACK TO POINT OF ORIGIN UNLESS THERE WILL BE EXISTING DEVICES ON THE SAME CIRCUIT THAT ARE LOCATED OUTSIDE AREA OF WORK THAT ARE TO REMAIN. IN THAT CASE, REMOVE THE EXISTING DEVICES/CIRCUITRY IN AREA OF WORK BACK TO THESE EXISTING DEVICES TO REMAIN. ALL DEVICES/CIRCUITRY IN SURROUNDING AREAS THAT ARE TO REMAIN ARE TO BE KEPT ENERGIZED. FOR REMOVAL OF CONDUIT AND WIRING OUTSIDE OF AREA OF WORK COORDINATE AND SCHEDULE WITH OWNER PRIOR TO PERFORMING WORK.

ELECTRICAL SPECIFICATIONS

RELATED INSTRUCTIONS

- 1.1. THIS SPECIFICATION SHALL APPLY TO AND GOVERN ALL WORK BY DIVISION 16.
- 1.2. FURNISH ALL LABOUR, MATERIAL, TOOLS, EQUIPMENT, ETC., REQUIRED TO COMPLETE ALL WORK SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED. THE WORK SHALL BE IN ACCORDANCE WITH RULES AND REGULATIONS OF ALL AUTHORITIES HAVING LEGAL JURISDICTION OVER THE WORK. PROVIDE ANY SMALL ITEMS OF WORK NOT SPECIFICALLY CALLED FOR BUT REQUIRED TO COMPLETE THE INTENDED INSTALLATION.
- 1.3. DEVICE/EQUIPMENT LOCATIONS ARE APPROXIMATE. CHANGE LOCATION OF ANY DEVICE/EQUIPMENT WITHIN 3M OF INDICATED LOCATION AT NO ADDITIONAL COST TO OWNER PROVIDED INSTRUCTIONS ARE RECEIVED PRIOR TO COMMENCING ROUGH-IN WORK. PRIOR TO COMMENCING ANY ROUGH-IN OR INSTALLATION WORK VISIT SITE, MEET WITH THE OWNERS REPRESENTATIVE AND CONFIRM EXACT LOCATION OF ALL DEVICES.

2. LIABILITY INSURANCE

2.1. OBTAIN AND CARRY PROPER INSURANCE TO FULLY PROTECT BOTH THE OWNER AND HIMSELF FROM ANY AND ALL CLAIMS DUE TO ACCIDENTS, MISFORTUNES, ACTS OF GOD, ETC.

3. CODES, PERMITS AND INSPECTION

- 3.1. BUILDING PERMIT SHALL BE OBTAINED BY OWNER.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR, AND OBTAIN ALL OTHER PERMITS, INSPECTIONS, VERIFICATIONS, ETC., AS REQUIRED BY ALL AUTHORITIES HAVING JURISDICTION OVER THIS WORK AND PAY FOR ALL FEES RELATED TO SAME.
- 3.2. DELIVER ALL PERMITS TO THE OWNER AS SOON AS THEY BECOME AVAILABLE.
- 3.3. AT THE CONCLUSION OF THE PROJECT, SUBMIT TO THE OWNER, THE ELECTRICAL SAFETY AUTHORITY FINAL ACCEPTANCE CERTIFICATE.

RECORD DRAWINGS AND EQUIPMENT MANUALS

- 4.1. AS THE PROJECT PROGRESSES, RECORD, ON A SET OF WHITE PRINTS, ALL ADDENDA, CHANGES TO AND DEVIATIONS FROM THE PLANS MADE DURING THE CONSTRUCTION PERIOD. ALSO, RECORD THE LOCATION OF ALL LIGHT FIXTURES AND OTHER ELECTRICAL EQUIPMENT AND WIRING FOR SAME.
- 4.2. MAKE THESE PROGRESS RECORD DRAWING WHITE PRINTS AVAILABLE TO THE CONSULTANTS FOR THEIR REVIEW AT ALL TIMES DURING THE CONSTRUCTION
- 4.3. AT THE CONCLUSION OF THE PROJECT, PROVIDE AN ELECTRONIC COPY OF ALL RECORD DRAWING INFORMATION.
- 4.4. BEFORE SUBSTANTIAL PERFORMANCE OF THE CONTRACT, COMPLY WITH THE FOLLOWING:
- 4.5.1. PROVIDE AN ELECTRONIC COPY OF ALL UPDATED RECORD DRAWING INFORMATION AS SPECIFIED HEREIN.

5. EQUIPMENT AND MATERIAL

5.1. ALL EQUIPMENT AND MATERIAL, UNLESS SPECIFICALLY NOTED OTHERWISE, SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT. ALL MATERIAL AND EQUIPMENT SHALL BEAR ULC. OR CSA LABELS.

6. ACCESSIBILITY

6.1. INSTALL ALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION MAINTENANCE AND REPAIRS.

RESPONSIBILITY

7.1. BE RESPONSIBLE FOR WORK UNTIL COMPLETION AND FINAL ACCEPTANCE, FOR REPLACING ANY ITEM THAT MAY BE DEFECTIVE, DAMAGED, LOST OR STOLEN WITHOUT ADDITIONAL COST TO THE OWNER OR DELAY TO THE COMPLETION OF THE PROJECT.

8. CONDUIT, AND WIRING

- 8.1. USE EMT CONDUIT FOR ALL WIRING UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL BE INSTALLED PARALLEL TO BUILDING LINES AND
- 8.2. UNLESS NOTED OTHERWISE, CONDUITS SHALL BE CONCEALED EMT COMPLETE WITH STEEL SET SCREW TYPE CONNECTORS AND COUPLINGS.
- 8.3. DO NOT RUN CONDUITS IN FIRE RATED CEILING SPACES.
- 8.4. SURFACE RACEWAY SYSTEM WITH WIRING LAID IN SHALL BE ACCEPTABLE BUT KEPT TO A MINIMUM IN AREAS WHERE EMT CONDUIT CAN NOT BE CONCEALED. TWO PIECE STEEL ASSEMBLY MANUFACTURED AS LAY-IN TYPE RACEWAY C/W TEES, ELBOWS AND HANGER FITTING AND SUPPORTS REQUIRED FOR A COMPLETE SYSTEM - WIREMOLD OR APPROVED EQUAL.
- 8.5. ALL CONDUCTORS SHALL BE COPPER, RW90 XLPE #12 AWG MINIMUM UNLESS NOTED OTHERWISE. WHERE THE DISTANCE FROM THE PANELBOARD TO THE LAST OUTLET EXCEEDS 50', #10 AWG CONDUCTOR MUST BE USED FOR THE FULL LENGTH OF THE CIRCUIT.

9. REVISIONS TO EXISTING PANEL BOARDS

9.1 ALL EXISTING PANEL BOARDS ON DRAWINGS TO REMAIN AND BE REUSED TO FEED NEW EQUIPMENT. FOR IDENTIFIED PANELBOARDS WHERE APPLICABLE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL NEW BRANCH AND FEEDER BREAKERS, TYPE, QUANTITY AND CAPACITY AS IDENTIFIED ON DRAWING AND INSTALL IN EXISTING PANEL. ON EACH PANEL BOARD MODIFIED PROVIDE REVISED AND UPDATED PANEL BOARD SCHEDULE TO REFLECT NEW LOADS. RE-USE ALL SPARE BREAKERS MADE REDUNDANT IN DEMOLITION PHASE AND UPDATE PANEL BOARD SCHEDULES TO REFLECT ALL NEW AND REVISED CIRCUITS.

10. MILLWORK, FURNITURE, AND EQUIPMENT WIRING

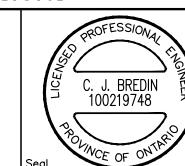
10.1 ALL EQUIPMENT MUST BE CAREFULLY COORDINATED FOR EXACT FLOOR OR WALL LOCATIONS PRIOR TO DRILLING

CONDUIT SLEEVES THROUGH FLOOR SLABS OR WALLS.

LIST OF DRAWINGS ELECTRICAL LEGEND, DEMOLITION NOTES, DRAWING E001 LIST & SPECIFICATIONS E002 ELECTRICAL DEMOLITION PLAN E003 | ELECTRICAL NEW PLAN E004 | ELECTRICAL PANEL SCHEDULES

05/15/2023 Issued for Tender Issued for Tender Review 03/31/202 Date No. Description





EXP Services Inc. t: 905.525.6069 | f: 905.528.7310 499 King Street East, Suite 200 Hamilton, ON L8N 1E1



• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •

INDUSTRIAL
 INFRASTRUCTURE
 SUSTAINABILITY

TRAFFIC & ROAD FACILITY REPLACE 12 OVERHEAD DOORS 1975 WILLIAMS PARKWAY BRAMPTON ON L6S 6E5

Drawing Title: ELECTRICAL LEGEND, DRAWING LIST &

SPECIFICATIONS

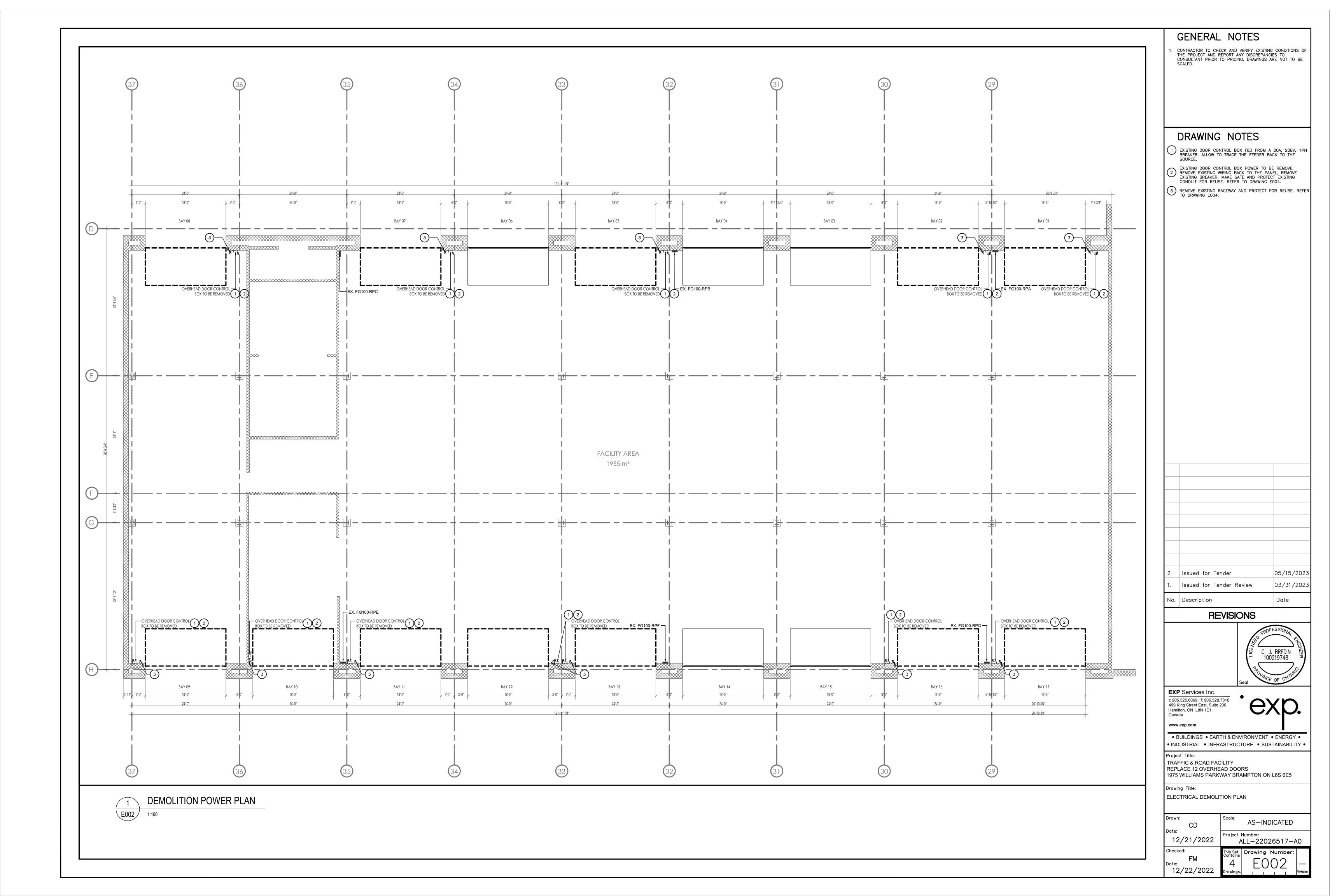
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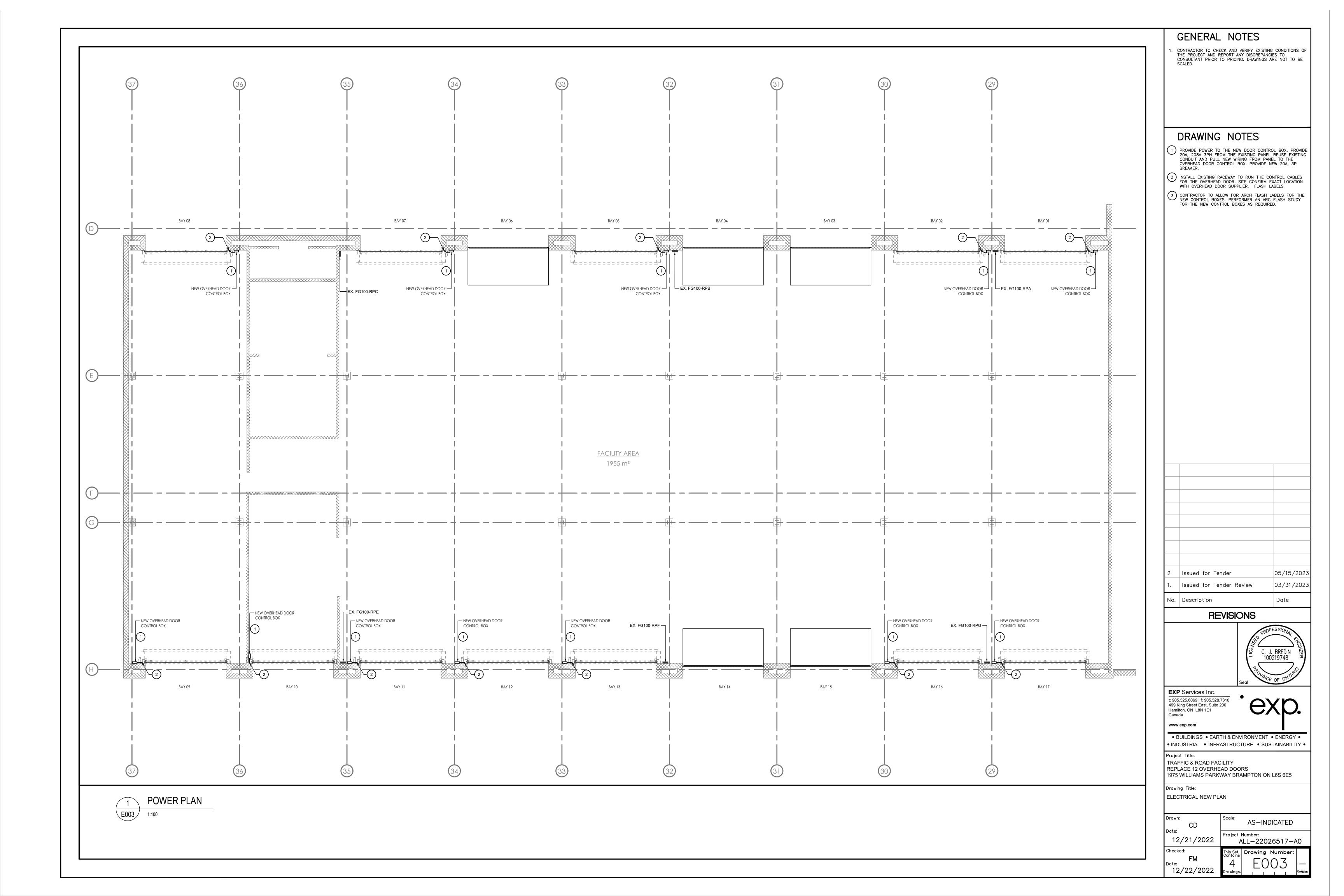
N.T.S.

12/21/2022 ALL-22026517-A0

Project Number:

nis Set | Drawing Number:





PA	NEL	LOCATION	VOLT	AGE	PHASE	WIRE	MA	AINS	MCB	A.I.C.	ENCLOSURE	MOUNTING	FED FROM
-G10	0-RPA	ELECTRICAL ROOM	120 /	208	3	4	10	00A	-	1	NEMA 1	SURFACE	FG200-DPA
ССТ		LOAD DESCRIPTION		VA	CB OPT	СВ	PH	СВ	СВ ОРТ	VA	LOA	D DESCRIPTION	1 C
1	Recept	tacles				20	Α	30			Eviating Load		
3	Exterio	r GFI				20	В	30			Existing Load		
5	Recept	tacles				20	С	15			SPARE		
7	Exterio	r GFI				20	Α						
9	Recept	tacles				20	В	30			Hoist 1		1
11	Ceiling	Fans				15	С						1
13	Heater	s				15	Α	15			SPARE		1
15	Exhaus	st Hose Reels				15	В	15			SPARE		1
17	SPARE					15	С	15			SPARE		1
19							Α				SPACE		2
21	Overhe	ead Door				20	В				SPACE		2
23							С				SPACE		2
25							Α				SPACE		2
27	Overhe	ead Door				20	В				SPACE		2
29							С				SPACE		3
31							Α				SPACE		3
33	Overhe	ead Door				20	В				SPACE		3
35							С				SPACE		3
37	SPACE						Α				SPACE		3
39	SPACE						В				SPACE		4
41	SPACE						С				SPACE		4

PA	NEL	LOCATION	VOLT	AGE	PHASE	WIRE	MA	INS	MCB	A.I.C.	ENCLOSURE	MOUNTING	FED FROM
G10	0-RPB	ELECTRICAL ROOM	120 /	208	3	4	10	0A	-	-	NEMA 1	SURFACE	FG200-DPA
ССТ		LOAD DESCRIPTION		VA	CB OPT	СВ	PH	СВ	CB OPT	VA	LOA	D DESCRIPTION	cc.
1	HRU-1	Receptacle				15	Α						2
3	Recept	acle				20	В	30			Hoist 5		4
5	GFI Re	ceptacle				20	С						6
7	Recept	acle				20	Α						8
9	SPARE					15	В	30			Hoist 7		10
11	Ceiling	Fans				15	С						12
13	Heaters	3				15	Α				SPACE		14
15	Exhaus	t Hose Reels				20	В				SPACE		16
17	Chargir	ng Receptacle				20	С	20			Charging Rece	ptacle	18
19	Chargir	ng Receptacle				20	Α	20			Charging Rece	ptacle	20
21	Chargir	ng Receptacle				20	В	20			Charging Rece	ptacle	22
23	Door O	perator				15	С	15			SPARE		24
25	SPACE						Α	15			SPARE		26
27	SPACE						В	15			SPARE		28
29	SPACE						С	15			SPARE		30
31							Α	20			Lawnmower Ho	iet	32
33	Overhe	ad Door				20	В	20			Lawimower no	151	34
35							С	20			Lawnmower Ho	iet	36
37							Α	20			Lawimowei ilo	131	38
39	Overhe	ad Door				20 [В	20			Lawnmower Ho	iet	40
41						[С	20			Lawiiiiowei 110	iot	42

FG100-RPE ELECTRICAL ROOM 120 / 208 3 4 100A - - NEMA 1 SURFACE FG200-DPA

20 A 15

20 B 15

20 C 15

20 A 15 20 B 40

20 C 40

20 A 15

20 B 15

20 C 15 20 A

20 B 15

A 15

A

VOLTAGE PHASE WIRE MAINS MCB A.I.C. ENCLOSURE MOUNTING FED FROM

Heater

Exhaust Hose Reel

Existing Load

Existing Load

Existing Load

Existing Load

Panic Button

Rollup Door

Existing Load

SPACE SPACE

SPACE

SPACE SPACE

SPACE SPACE

SPACE

EF-13

EF-33

VA CB OPT CB PH CB CB OPT VA LOAD DESCRIPTION

PANEL LOCATION

7 Receptacle + Water Fountain

1 GFI Receptacle

5 Door Operator

3 Receptacle

9 Receptacle

11 Receptacle

13 Receptacle

15 Receptacle

17 Receptacle 19 Cord Reel

21 Cord Reel

23 SPACE 25 SPACE

27 SPACE

29 SPACE

35

33 Overhead Door

39 Overhead Door

LOAD DESCRIPTION

	INSIDE CONTROL BOX	
4.2	AS500FUE-1 3PH Power Connections	
	ONLY FOR USE IN GROUNDED WYE SOURCES WITH A MAXIMUM VOLTAGE TO GROUND OF 300V	208V - 480V 3PH 50/60HZ 7-3NI - 7-3NI
	X12 FK X13 11 12 T3 XH+10 11 12 X10 20 X1 22 30 31 32	
	MAXIMUM 20A UL CLASS CC FUSES MUST BE USED	
	DISCONNECT SWITCH SO	

$\overline{1}$	CONTROL BOX ELECTRICAL DIAGRAM
E004	N.T.S.

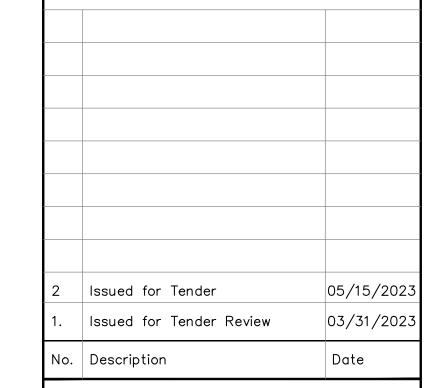
PAI	NEL	LOCATION	VOLT	AGE	PHASE	WIRE	MA	AINS	MCB	A.I.C.	ENCLOSURE N	IOUNTING	FED FROM	1
G10	O-RPC	ELECTRICAL ROOM	120 /	208	3	4	10	00A	-	-	NEMA 1	SURFACE	FG200-DPA	4
ССТ		LOAD DESCRIPTION	١	VA	СВ ОРТ	СВ	PH	СВ	CB OPT	VA	LOAD I	DESCRIPTION	N C	C.
1 Receptacles					20	Α	15			BAS Panel		2	2	
3	EF-28,	29				15	В	15			Oil Interceptor		4	4
5	GFI Re	ceptacle				20	С	15			EF-27		(6
7	GFI Re	ceptacle				20	Α	20			Receptacles		8	8
9	GFI Re	ceptacle				20	В	20			Receptacles		1	10
11	Exhaus	st Hose Reels				15	O	20			Receptacles		1	12
13	Tuber	Heaters				15	Α	20			Receptacles		1	14
15	Recept	tacles				20	В	20			Receptacles		1	16
17	House Crimper					15	O	20			Receptacles		1	18
19	i louse	Oninper				13	Α	20			Receptacles		2	20
21	CCTV					15	В	20			Receptacles		2	22
23	Door C	perator				15	O	20			Receptacles		2	24
25	SPARE					15	Α	20			Receptacles		2	26
27	IT Roo	m Receptacle				15	В	20			Receptacles		2	28
29	Metal [Oust Collector				15	O	15			Receptacles		3	30
31							Α	20			SPARE		3	32
33	Overhe	ead Door				20	В	30			Evicting Load		3	34
35	I						O	30			Existing Load			36
37	SPARE					20	Α						3	38
39	SPACE						В	20		1	Overhead Door		4	40
41	SPACE						C						4	42

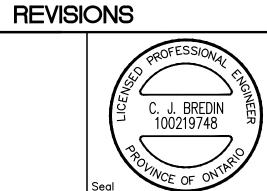
PA	NEL	LOCATION	VOLTAG	E	PHASE	WIRE	M A	NS	MCB	A.I.C.	ENCLOSURE	MOUNTING	FED FROM
-G10	0-RPE	ELECTRICAL ROOM	120 / 20	8	3	4	10	00A	-	-	NEMA 1	SURFACE	FG200-DPA
ССТ		LOAD DESCRIPTION		VA	CB OPT	СВ	PH	СВ	CB OPT	VA	LOAD DESCRIPTION		N CC
1	Recept	acle				20	Α	15			Exhaust Hose F	Reel	2
3	Receptacle					20	В	15			Exhaust Hose Reel		4
5 Receptacle						20	O	15			SPARE		6
7	7 Receptacle					20	Α	15			SPARE		8
9	Door Operator					20	В	15			SPARE		10
11	SPARE					15	O	15			SPARE		12
13	13						Α	15			SPARE		14
15	15 Overhead Door 17 19 21 Overhead Door 23					20	В						
17							C	20			Overhead Door #12		
19							Α						
21						20	В			•	SPACE		22
23							C				SPACE		24

PANE	EL LOCATION	VOLTAGE	PHASE	WIRE	MA	AINS	МСВ	A.I.C.	ENCLOSURE	MOUNTING	FED FROM
G100-	RPG ELECTRICAL ROOM	120 / 208	3	4	22	25A	-	-	NEMA 1	SURFACE	FG200-DPA
ССТ	LOAD DESCRIPTION	VA	СВ ОРТ	СВ	PH	СВ	СВ ОРТ	VA	LOA	D DESCRIPTION	ССТ
1 R	eceptacle			20	Α	15			Heater		2
3 G	FI Receptacle			20	В	15			Exhaust Hose Reel		4
5 R	eceptacle			20	С					6	
7 R	eceptacle			20	Α	40			Hoist 2		8
9 R	eceptacle			20	В						10
11 S	PARE			15	С						12
13 S	PARE			15	Α	40		Hoist 4		14	
15 S	PARE			15	В						16
17 S	PACE				С	15			Hoist 6		18
19 S	PACE				Α	15			Hoist 8		20
21 S	PACE				В	15			SPARE		22
23 S	PACE				С				SPACE		24
25 S	PACE				Α				SPACE		26
27 S	PACE				В				SPACE		28
29 S	PACE				С				SPACE		30
31					Α				SPACE		32
33 O	verhead Door			20	В				SPACE		34
35					С				SPACE		36
37					Α						38
39 O	verhead Door #16			20	В	20		Overhead Door		-	40
41					С	1					42



 CONTRACTOR TO CHECK AND VERIFY EXISTING CONDITIONS OF THE PROJECT AND REPORT ANY DISCREPANCIES TO CONSULTANT PRIOR TO PRICING. DRAWINGS ARE NOT TO BE SCALED.





EXP Services Inc.

t: 905.525.6069 | f: 905.528.7310
499 King Street East, Suite 200
Hamilton, ON L8N 1E1
Canada

www.exp.com

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Project Title: TRAFFIC & ROAD FACILITY REPLACE 12 OVERHEAD DOORS 1975 WILLIAMS PARKWAY BRAMPTON ON L6S 6E5

Drawing Title:

ELECTRICAL PANEL SCHEDULES AND DETAILS

Drawn:

CD

Date:

Scale: AS—INDICATED