

PROJECT SUMMARY:

THE SCOPE OF WORK IS TO REPLACE 12 EXISTING TYPICAL OVERHEAD DOORS WITH THE NEW GARAGE DOORS FOR BETTER PERFORMANCE AND COMPATIBILITY. THE SIZES OF THE NEW OPENINGS WILL MATCH THE EXISTING SIZE OF THE OVERHEAD DOORS. NO INCREASE IN OPENING SIZE. THE MATERIAL AND FINISHES OF THE NEW DOORS WILL MATCH/ EXCEED THE PERFORMANCE OF THE EXISTING FINISHES.

CONSULTANT:

ATA ARCHITECTS INC.  
3221 NORTH SERVICE ROAD, SUITE 101  
BURLINGTON, ONTARIO L7N 3G2

NAME OF PROJECT:

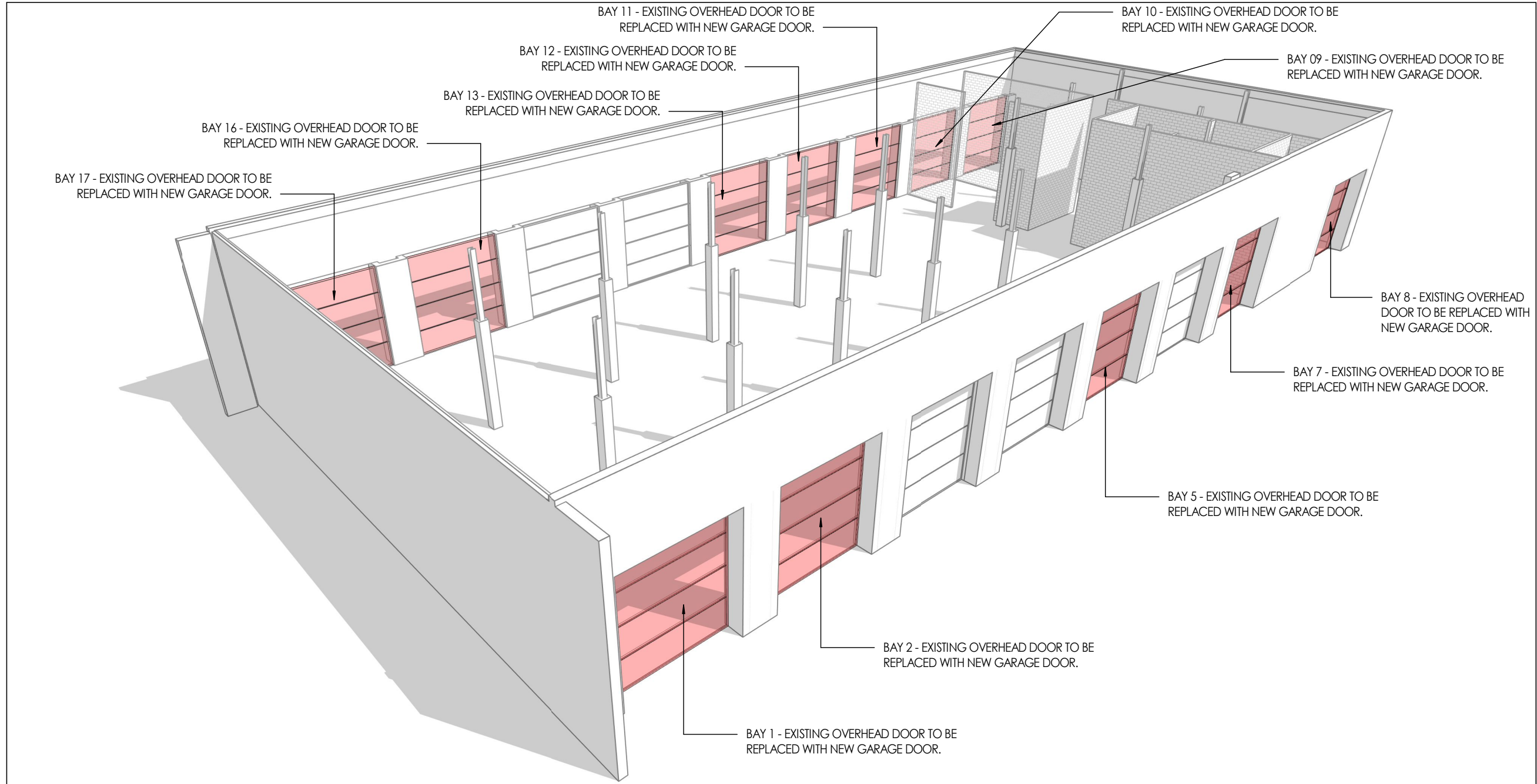
REPLACE 12 EXISTING OVERHEAD DOORS WITH NEW LOCAL MODELS

LOCATION:

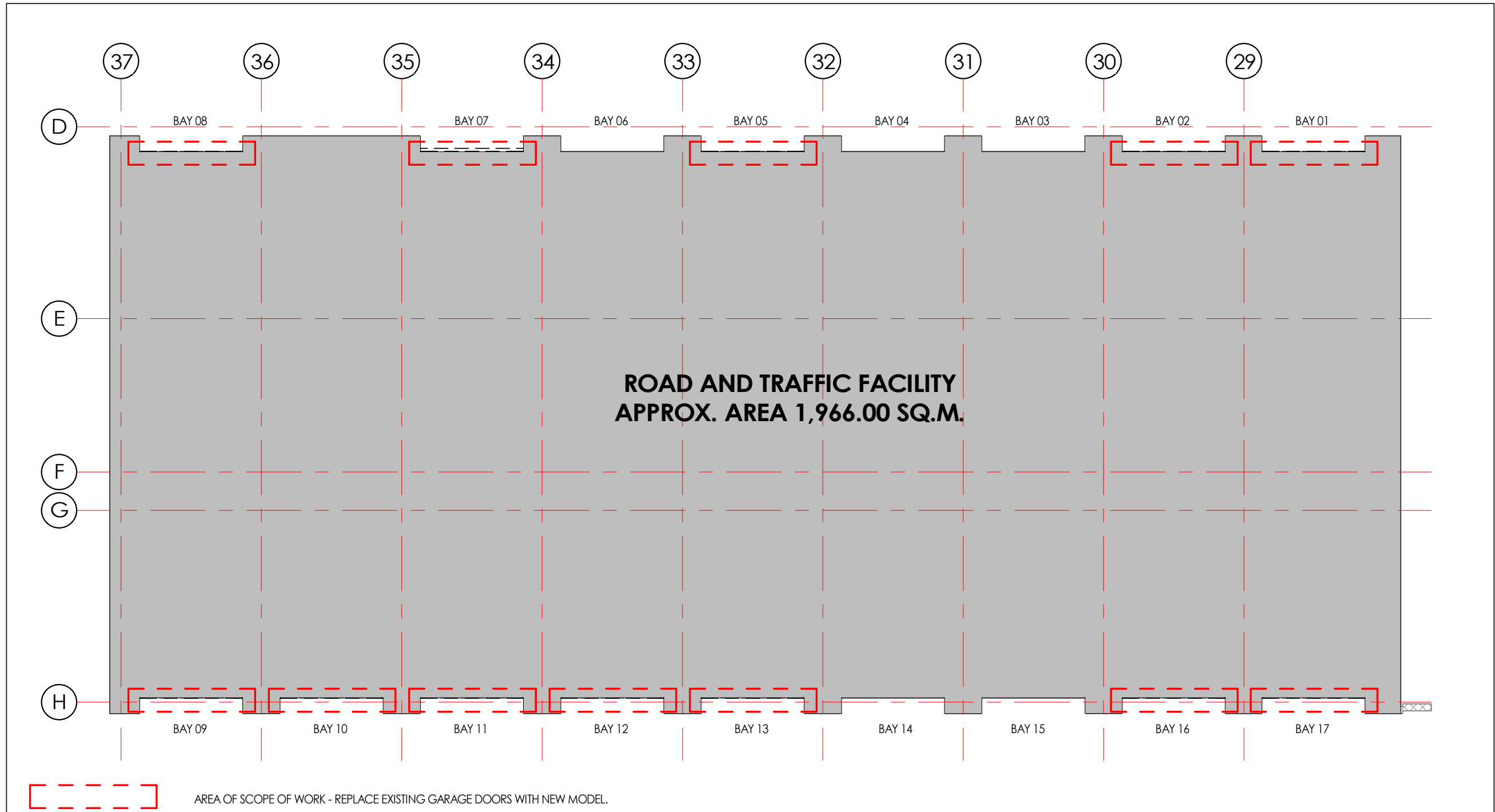
1975 WILLIAMS PARKWAY, BRAMPTON, ON L6S 6E5

ITEM	ONTARIO'S 2012 BUILDING CODE DATA MATRIX - PART 11 - RENOVATION OF EXISTING BUILDING	OBC REFERENCE
11.1	<div>EXISTING BUILDING CLASSIFICATION</div> <div>DESCRIBE EXISTING USE: INDUSTRIAL</div> <div>CONSTRUCTION INDEX: 8</div> <div>HAZARD INDEX: NOT APPLICABLE (NO CHANGE OF MAJOR OCCUPANCY)</div>	11.2.1 T 11.2.1.1A T 11.2.1.1B TO N
11.2	<div>ALTERATION TO EXISTING BUILDING IS:</div> <div>BASIC RENOVATION</div> <div>EXTENSIVE RENOVATION</div>	11.3.3.1 11.3.3.2
11.3	<div>REDUCTION IN PERFORMANCE LEVEL</div> <div>STRUCTURAL BY INCREASE IN OCCUPANCY</div> <div>BY CHANGE OF MAJOR OCCUPANCY</div> <div>PLUMBING</div> <div>SEWAGE SYSTEM</div>	11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5
11.4	<div>COMPENSATING CONSTRUCTION:</div> <div>STRUCTURAL</div> <div>INCREASE IN OCCUPANCY LOAD</div> <div>CHANGE OF MAJOR OCCUPANCY</div> <div>PLUMBING</div> <div>SEWAGE SYSTEM</div>	11.4.3.2 11.4.3.3 11.4.3.4 11.4.3.5 11.4.3.6
11.5	<div>COMPLIANCE ALTERNATIVES PROPOSED:</div> <div>NO</div> <div>YES (EXPLAIN)</div>	11.5.1
11.6	<div>ALTERNATIVE MEASURES PROPOSED:</div> <div>NO</div> <div>YES (EXPLAIN)</div>	11.5.2

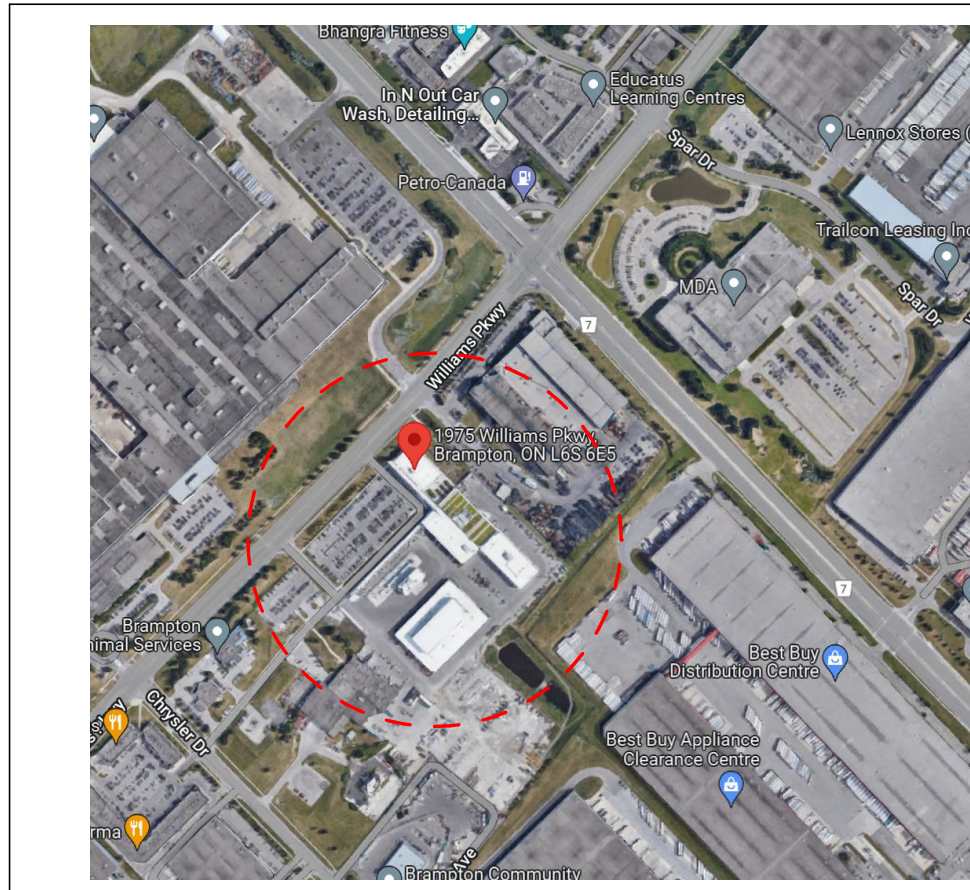
OBC - PART 11  
1 : 10



3D MASS PERSPECTIVE  
A001



SCOPE OF WORK  
A001 1 : 225



KEY PLAN  
1 : 170

DRAWING LIST			
#	SHEET NAME	ISSUED FOR PERMIT	ISSUED FOR TENDER
A001	COVERSHEET & DRAWING LIST	N/A	X
A002	SCHEDULES & DETAILS	N/A	X
A003	FLOOR PLAN - DEMO	N/A	X
A004	FLOOR PLAN - NEW	N/A	X
A005	EXTERIOR ELEVATIONS	N/A	X

	SECTION HEAD	CJ	CONTROL JOINT
	CALLOUT HEAD	AL	ALUMINUM
	DOOR TAG	HM	HOLLOW METAL
	ENTRY ARROW	AN	ANODIZED
	FLOOR TAG	PT	PAIN
	GRID BUBBLE	FR	FIRE RATING
	MATERIAL TAG	GWG	GEORGIAN WIRED GLASS
	ROOF TAG	TEMP	TEMPERED
	WALL TAG	WM	POSSIBLE WATER METER LOCATION
	WINDOW TAG	RWL	RAIN WATER LEADER
	Room name		
	ELEVATION MARKER		
	PATH OF TRAVEL		

ANNOTATION LEGEND  
1 : 50

GENERAL NOTES

- ALL CONSTRUCTION TO MEET THE 2012 ONTARIO BUILDING CODE AND ALL APPLICABLE CODES.
- INSPECT SITE CONDITIONS PRIOR TO QUOTING ON NEW WORK AND REPORT ANY DISCREPANCIES.
- ENSURE THAT ALL CONSTRUCTION MATERIALS, METHODS OF INSTALLATION AND TEMPORARY BRACING, COMPLY WITH REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
- SITE VERIFY ALL DIMENSIONS AND MAKE MODIFICATIONS TO SUIT EXISTING SITE CONDITIONS.
- MAKE GOOD ALL AREAS DISTURBED OR DAMAGED DURING CONSTRUCTION WHETHER SHOWN ON DRAWINGS OR NOT.
- 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 STRUCTURAL, MECHANICAL AND ELECTRICAL WORK TO ENSURE THAT THE PARTS OF THE WORK COME TOGETHER PROPERLY.
- REPORT ALL CONTENTED DEVIATIONS FROM THE DRAWINGS PRIOR TO MAKING CHANGES.
- PROVIDE CUTTING, PATCHING AND REMEDIAL WORK IN ORDER TO ENSURE PARTS OF THE WORK COME TOGETHER PROPERLY.
- DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS LABELED "FOR CONSTRUCTION."
- SCHEDULE WORK AROUND EXISTING OPERATIONS TO ACHIEVE MINIMAL INTERRUPTIONS.
- OVERHEAD DOORS ARE TO BE INSTALLED IN A SEQUENCE THAT ACCOMMODATES THE FACILITIES OPERATIONS.

REVISIONS

NUMBER	DATE	REMARKS
001	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.

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SEALS



PROJECT TITLE

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

DRAWING TITLE

COVERSHEET & DRAWING LIST

DRAWN BY

AA, KS

SCALE

As indicated

DATE

2023 05 12

CHECKED BY

MD

PROJECT NUMBER

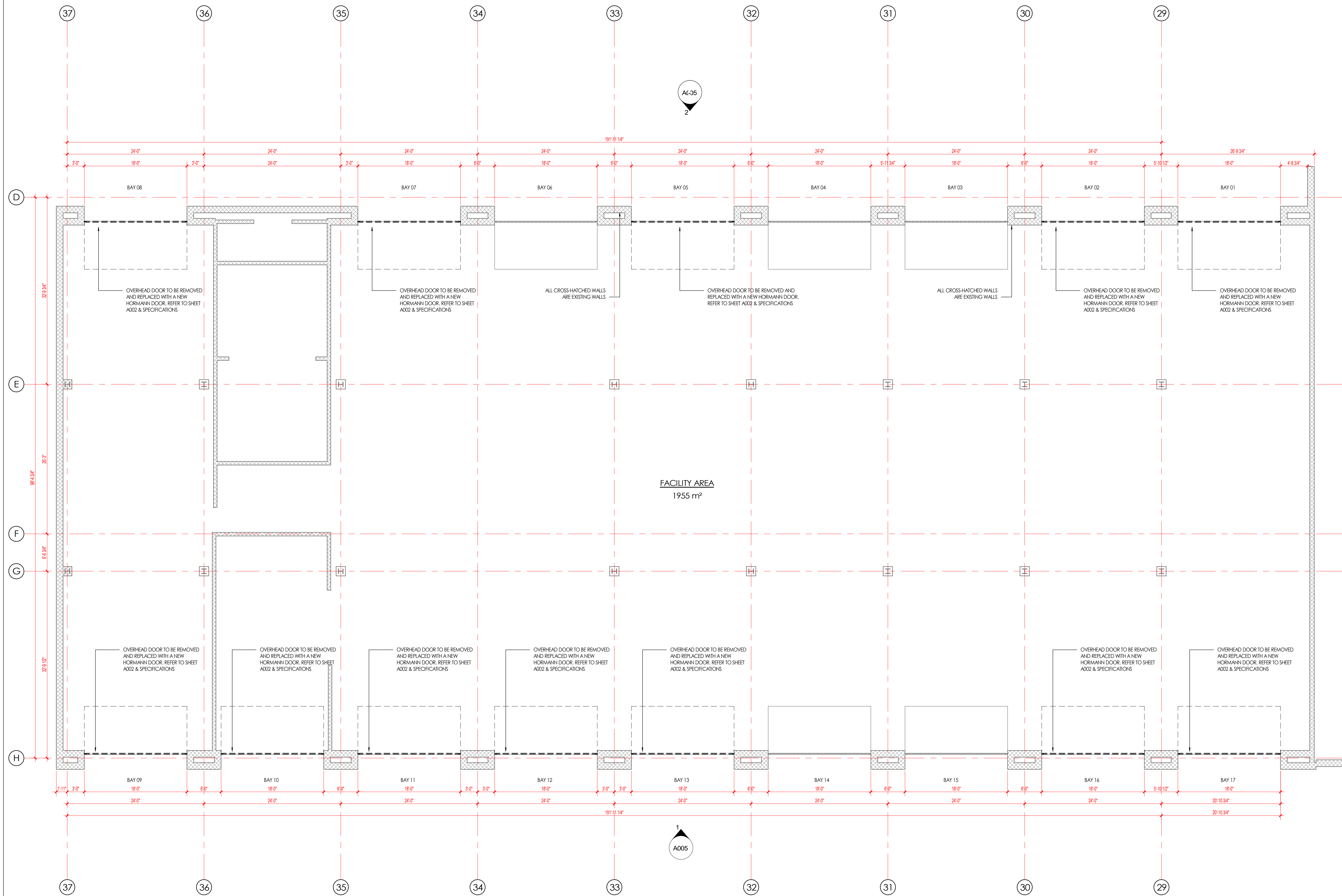
#22-1493

DRAWING NUMBER

A001



P:\22-1493 - City of Brampton 1975 Williams Parkway\02-Construction Documents\01-Architecture\01-Design and Rendering\01 - 12 Overhead Doors\12-Overhead Doors - 12 Doors.rvt  
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A003  
01 - MAIN FLOOR - DEMO  
1 : 100

#### REVISIONS

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001 2023 05 12 ISSUED FOR TENDER

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#### SEALS



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OVERHEAD DOORS  
1975 WILLIAMS PARKWAY  
BRAMPTON ON L6S 6E5

#### DRAWING TITLE

FLOOR PLAN - DEMO

#### DRAWN BY

AA, KS

#### SCALE

1 : 100

#### DATE

2023 05 12

#### CHECKED BY

MD

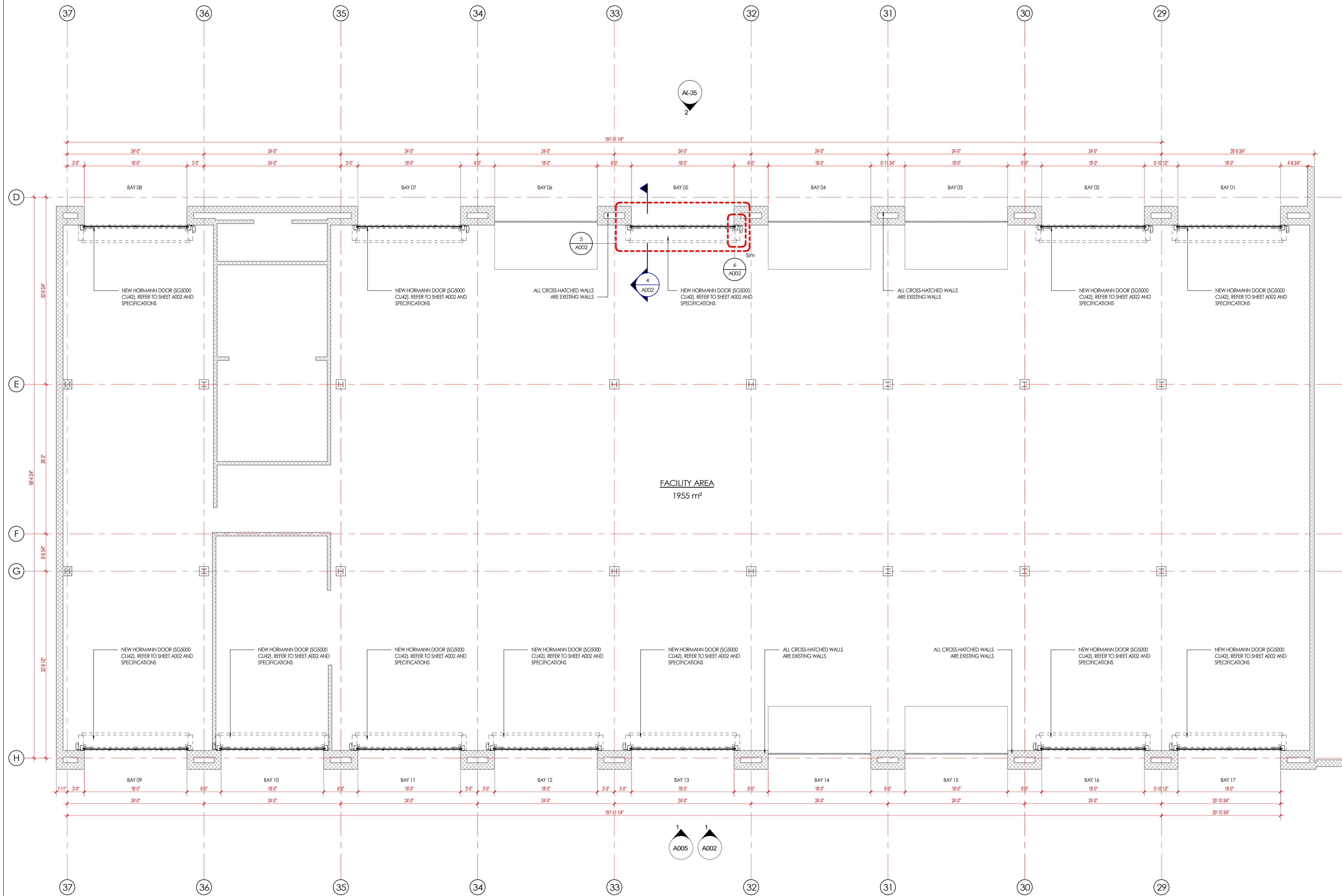
#### PROJECT NUMBER

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#### DRAWING NUMBER

A003

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A004 01 - MAIN FLOOR - NEW  
1 : 100

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SEALS



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BRAMPTON ON L6S 6E5

DRAWING TITLE

FLOOR PLAN - NEW

DRAWN BY

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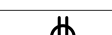
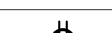
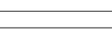



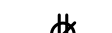


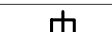
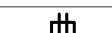
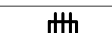

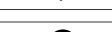
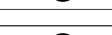
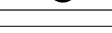
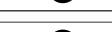
A004



ONTARIO ASSOCIATION  
OF  
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LICENCE  
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# A005

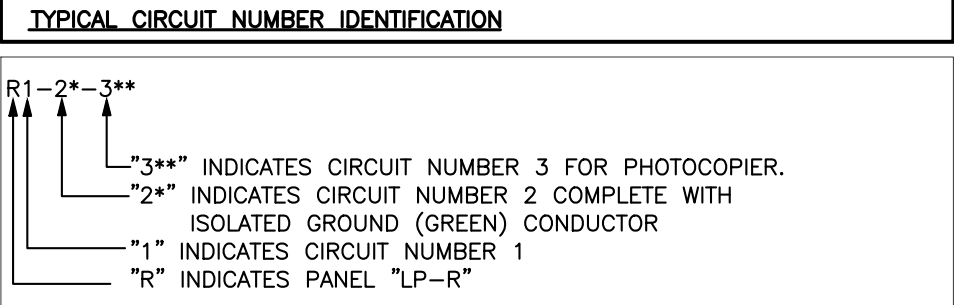
ELECTRICAL LEGEND





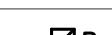

POWER & DISTRIBUTION SYSTEMS	
	PANELBOARD (SURFACE MOUNT).
	PANELBOARD (RECESSED MOUNT).
	ENCLOSED BUS ASSEMBLY.
	CABLE TRAY (LADDER OR TROUGH)
RECEPTACLE/DIRECT CONNECTIONS	
	120V, 2P, 3W, 15A DUPLEX RECEPTACLE (CSA #5 SERIES).
	120V, 2P, 3W, 15A DUPLEX (CSA #5 SERIES) RECEPTACLE WITH USB CHARGING PORTS
	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.

- NOTES
1. DIRECT CONNECTION VOLTAGE INFORMATION INDICATION BY CIRCUIT No.

2. UNLESS NOTED OTHERWISE MOUNTING HEIGHT OF ALL OUTLETS IS 455mm (18") A.F.F.

3. UNLESS NOTED OTHERWISE (IE: 30A, 20A) ALL RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A.



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.

MISCELLANEOUS ABBREVIATIONS/SUBSCRIPTS/SYMBOLS	
A	– MOUNTING HEIGHT FOR DEVICES ABOVE COUNTER/SINK MILLWORK TO BE 1020mm FROM TOP OF DEVICE TO A.F.F. (UNLESS NOTED OTHERWISE).
1–3	– TYPICAL NORMAL POWER CIRCUIT NUMBER EG. PANELBOARD LP–1 CIRCUIT NUMBER 3.
E1–3	– TYPICAL ESSENTIAL POWER CIRCUIT NUMBER EG. PANELBOARD LPE–1 CIRCUIT NUMBER 3.
1A–3	– TYPICAL CONTROL PANEL CIRCUIT NUMBER EG. PANELBOARD LP–1A CIRCUIT NUMBER 3.
3P+N	– 3 POLE & UNSWITCHED NEUTRAL.
AFF	– ABOVE FINISHED FLOOR.
B	– BENCH MOUNTED.
C	– CEILING SPACE MOUNTED.
CL	– CONTROLLED LOAD.
DF	– WATER BOTTLE REFILLING STATION/DRINKING FOUNTAIN.
D/I	– WITH DISCONNECT AND VISIBLE ISOLATION.
EXP/EP	– EXPLOSION PROOF.
F	– FLOOR MOUNTED.
GF	– GROUND FAULT CIRCUIT INTERRUPTER.
IG	– ISOLATED GROUND TYPE.
MH	– MOUNTING HEIGHT.
NL	– NIGHT LIGHT
S	– SURGE SUPPRESSION TYPE DEVICE.
T	– LOCKING TYPE (TWISTLOCK).
V	– MOUNT IN VERTICAL FACE.
WG	– WIREGUARD.
WP	– WEATHERPROOF TYPE.
Z	– MOUNT 42" (1065mm) A.F.F.
PTZ	– PAN, TILT, ZOOM
E	– EXISTING TO REMAIN.
ER	– EXISTING TO BE RELOCATED.
RE	– RELOCATED AT NEW LOCATION.
N	– EXISTING TO BE REPLACED WITH NEW.
R	– REMOVED.
RE/RE	– REMOVED & REINSTALLED IN SAME LOCATION.
EM	– EMERGENCY POWERED LIGHTING

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B  
S  
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T  
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DEMOLITION NOTES

1. 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 PROJECT.

2. 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.

3. 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#
  - MANUFACTURER
  - TECHNICAL DETAILS
  - LOCATIONTHIS LIST SHALL BE SUBMITTED TO THE OWNER FO RECORD PURPOSES.

4. 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.

5. 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.

6. 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.

7. 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.

8. ALL EXISTING CONDUITS WHICH HAVE BEEN ABANDONED OR ARE UNUSED SHALL BE REMOVED.

9. 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.

10. 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.

11. 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

1. 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.
4. 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 PERIOD.

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.
7. 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 SECURELY FASTENED.

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

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

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

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

Drawing Title:  
ELECTRICAL LEGEND, DRAWING LIST & SPECIFICATIONS

Drawn: CD  
Date: 12/21/2022

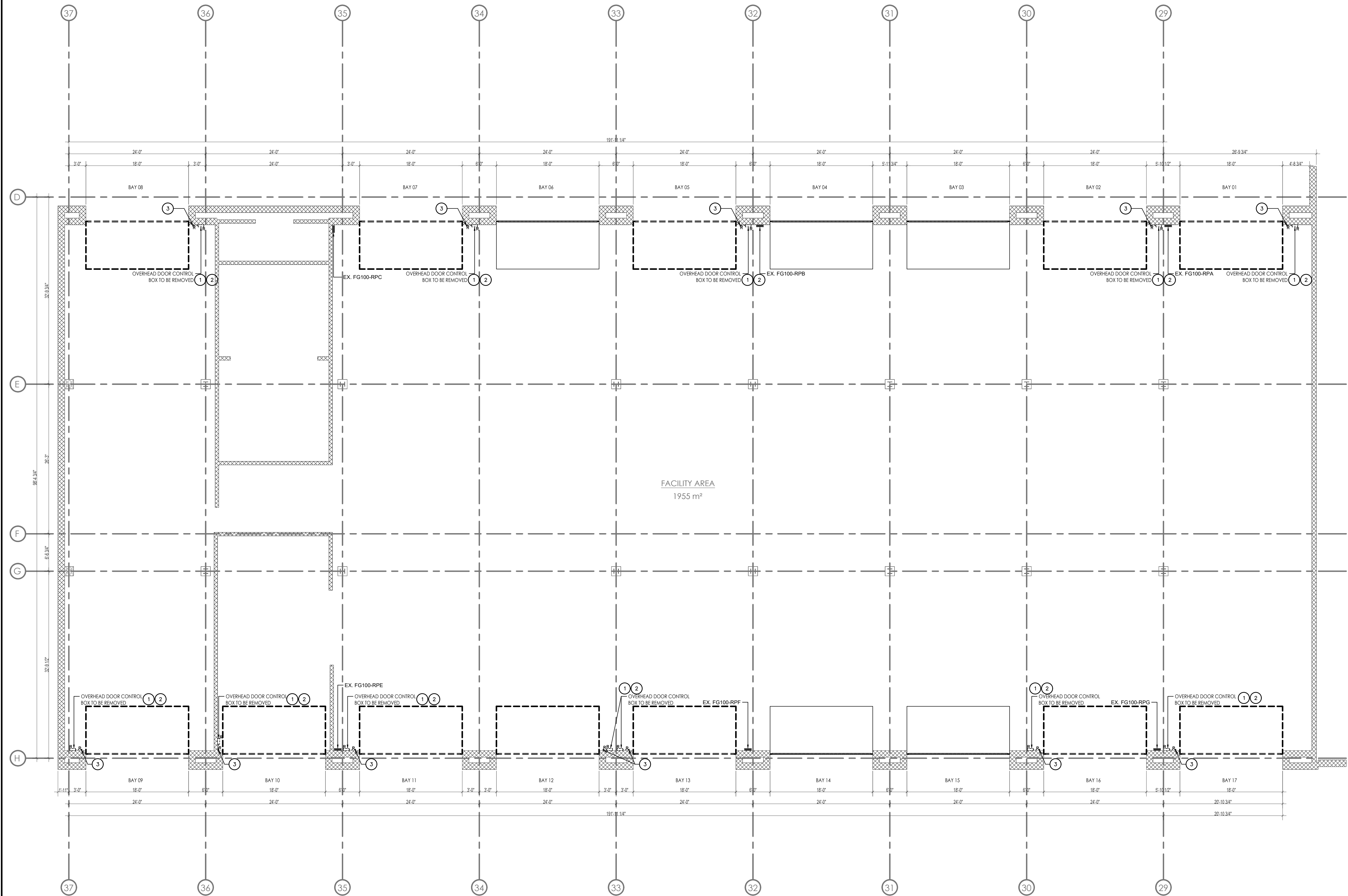
Scale: N.T.S.  
Project Number: ALL-22026517-A0

Checked: FM  
Date: 12/22/2022

This Set Contains  
4 Drawings

Drawing Number:  
E00.01

Revision



## GENERAL NOTES

- 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.

## DRAWING NOTES

- EXISTING DOOR CONTROL BOX FED FROM A 20A, 208V, 1PH BREAKER. ALLOW TO TRACE THE FEEDER BACK TO THE SOURCE.
- EXISTING DOOR CONTROL BOX POWER TO BE REMOVE. REMOVE EXISTING WIRING BACK TO THE PANEL, REMOVE EXISTING BREAKER. MAKE SAFE AND PROTECT EXISTING CONDUIT FOR REUSE. REFER TO DRAWING E004.
- REMOVE EXISTING RACEWAY AND PROTECT FOR REUSE. REFER TO DRAWING E004.

2	Issued for Tender	05/15/2023
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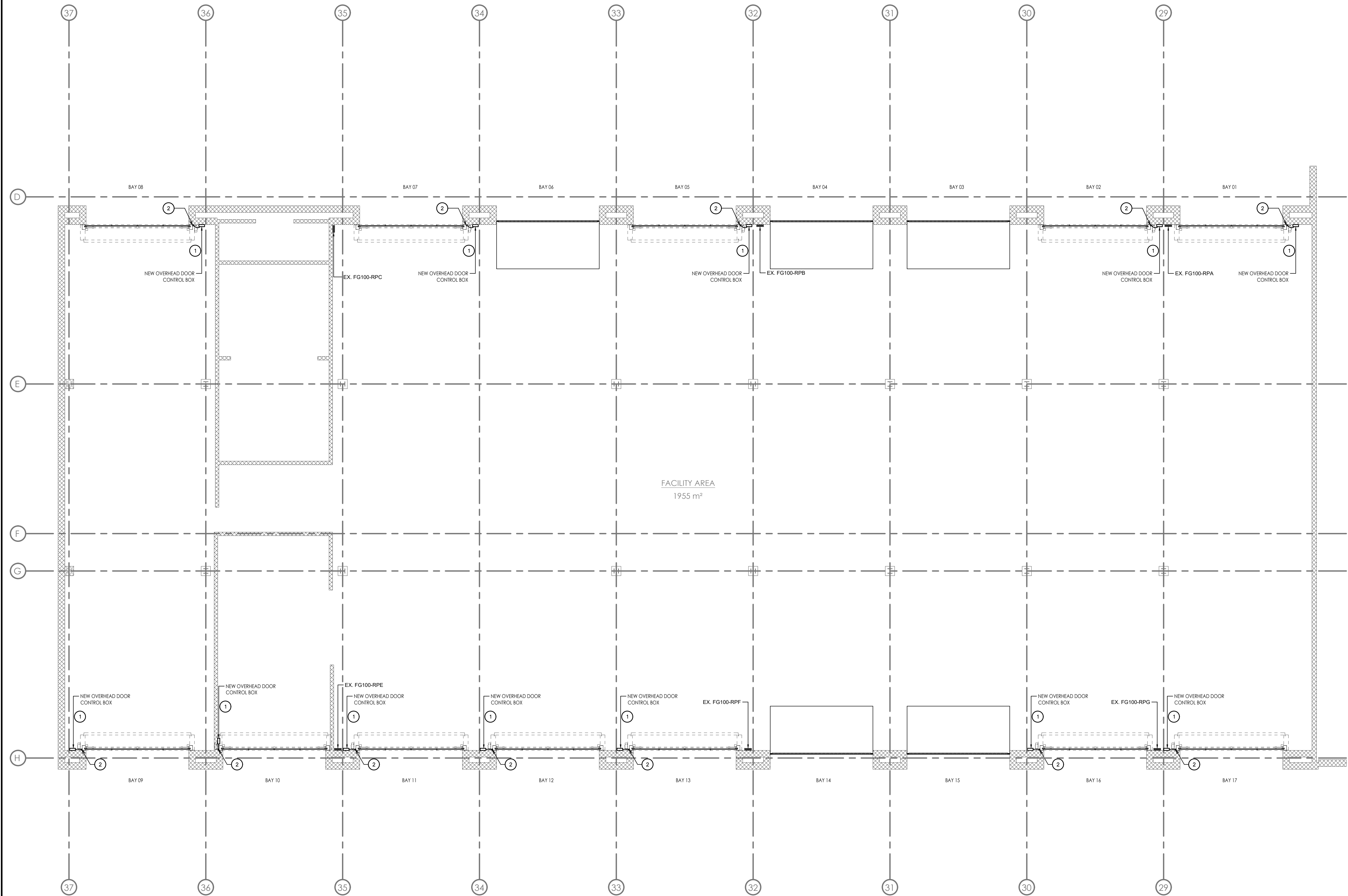
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Project Title:  
TRAFFIC & ROAD FACILITY  
REPLACE 12 OVERHEAD DOORS  
1975 WILLIAMS PARKWAY BRAMPTON ON L6S 6E5

Drawing Title:  
ELECTRICAL DEMOLITION PLAN

Drawn: CD	Scale: AS—INDICATED
Date: 12/21/2022	Project Number: ALL—22026517—A0
Checked: FM	This Set Contains 4 Drawings
Date: 12/22/2022	Drawing Number: E002 Revision: —

1 DEMOLITION POWER PLAN  
E002 1:100



## GENERAL NOTES

- 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.

## DRAWING NOTES

- PROVIDE POWER TO THE NEW DOOR CONTROL BOX. PROVIDE 20A, 208V 3PH FROM THE EXISTING PANEL. REUSE EXISTING CONDUIT AND PULL NEW WIRING FROM PANEL TO THE OVERHEAD DOOR CONTROL BOX. PROVIDE NEW 20A, 3P BREAKER.
- INSTALL EXISTING RACEWAY TO RUN THE CONTROL CABLES FOR THE OVERHEAD DOOR. SITE CONFIRM EXACT LOCATION WITH OVERHEAD DOOR SUPPLIER. FLASH LABELS
- CONTRACTOR TO ALLOW FOR ARCH FLASH LABELS FOR THE NEW CONTROL BOXES. PERFORMER AN ARC FLASH STUDY FOR THE NEW CONTROL BOXES AS REQUIRED.

2	Issued for Tender	05/15/2023
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No.	Description	Date
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Project Title:  
TRAFFIC & ROAD FACILITY  
REPLACE 12 OVERHEAD DOORS  
1975 WILLIAMS PARKWAY BRAMPTON ON L6S 6E5

Drawing Title:  
ELECTRICAL NEW PLAN

Drawn: CD	Scale: AS—INDICATED
Date: 12/21/2022	Project Number: ALL-22026517-A0
Checked: FM	This Set Contains 4 Drawings.
Date: 12/22/2022	Drawing Number: E003 Revision: —

1 POWER PLAN  
E003 1:100

PANEL	LOCATION	VOLTAGE	PHASE	WIRE	MAINS	MCB	A.I.C.	ENCLOSURE	MOUNTING	FED FROM
FG100-RPA	ELECTRICAL ROOM	120 / 208	3	4	100A	-	-	NEMA 1	SURFACE	FG200-DPA
CCT	LOAD DESCRIPTION	VA	CB OPT	CB PH	CB	CB OPT	VA	LOAD DESCRIPTION	CCT	
1	Receptacles			20	A				2	
3	Exterior GFI			20	B	30		Existing Load	4	
5	Receptacles			20	C	15		SPARE	6	
7	Exterior GFI			20	A				8	
9	Receptacles			20	B	30		Hoist 1	10	
11	Ceiling Fans			15	C				12	
13	Heaters			15	A	15		SPARE	14	
15	Exhaust Hose Reels			15	B	15		SPARE	16	
17	SPARE			15	C	15		SPARE	18	
19					A			SPACE	20	
21	Overhead Door			20	B			SPACE	22	
23					C			SPACE	24	
25					A			SPACE	26	
27	Overhead Door			20	B			SPACE	28	
29					C			SPACE	30	
31					A			SPACE	32	
33	Overhead Door			20	B			SPACE	34	
35					C			SPACE	36	
37	SPACE				A			SPACE	38	
39	SPACE				B			SPACE	40	
41	SPACE				C			SPACE	42	

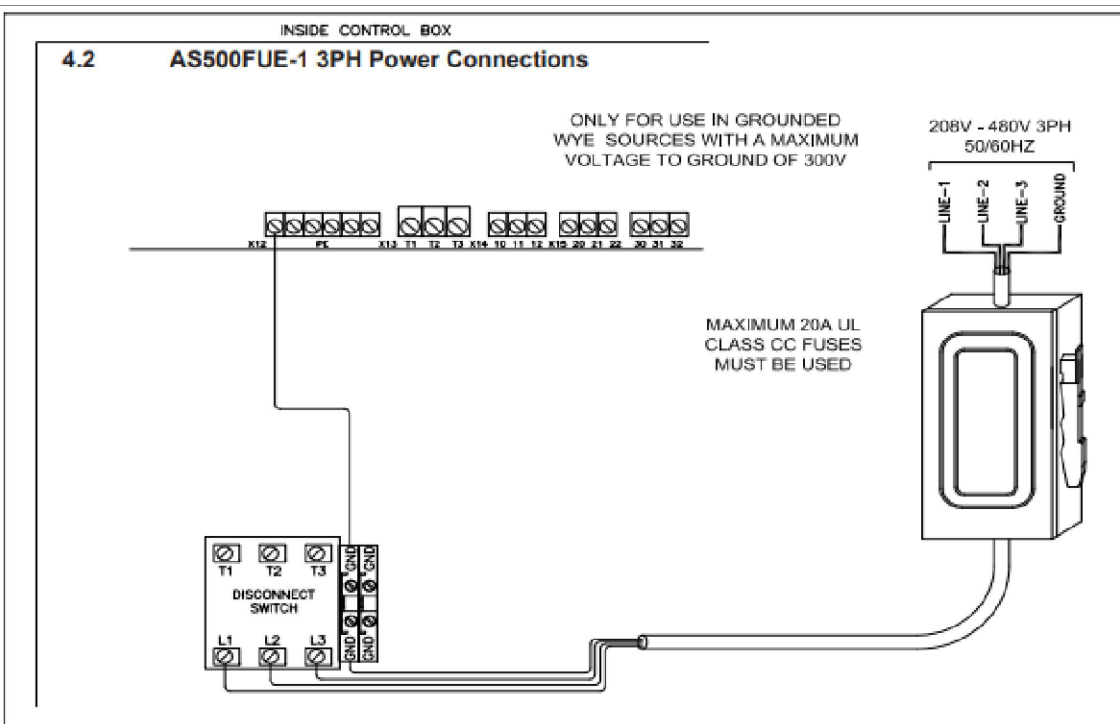
PANEL	LOCATION	VOLTAGE	PHASE	WIRE	MAINS	MCB	A.I.C.	ENCLOSURE	MOUNTING	FED FROM
FG100-RPC	ELECTRICAL ROOM	120 / 208	3		100A	-	-	NEMA 1	SURFACE	FG200-DPA
CCT	LOAD DESCRIPTION	VA	CB OPT	CB PH	CB	CB OPT	VA	LOAD DESCRIPTION	CCT	
1	Receptacles			20	A	15		BAS Panel	2	
3	EF-28, 29			15	B	15		Oil Interceptor	4	
5	GFI Receptacle			20	C	15		EF-27	6	
7	GFI Receptacle			20	A	20		Receptacles	8	
9	GFI Receptacle			20	B	20		Receptacles	10	
11	Exhaust Hose Reels			15	C	20		Receptacles	12	
13	Tuber Heaters			15	A	20		Receptacles	14	
15	Receptacles			20	B	20		Receptacles	16	
17				15	C	20		Receptacles	18	
19	House Crimper				A	20		Receptacles	20	
21	CCTV			15	B	20		Receptacles	22	
23	Door Operator			15	C	20		Receptacles	24	
25	SPARE			15	A	20		Receptacles	26	
27	IT Room Receptacle			15	B	20		Receptacles	28	
29	Metal Dust Collector			15	C	15		Receptacles	30	
31					A	20		SPARE	32	
33	Overhead Door			20	B	30		Existing Load	34	
35					C				36	
37	SPARE			20	A				38	
39	SPACE				B	20		Overhead Door	40	
41	SPACE				C				42	

PANEL	LOCATION	VOLTAGE	PHASE	WIRE	MAINS	MCB	A.I.C.	ENCLOSURE	MOUNTING	FED FROM	
FG100-RPE	ELECTRICAL ROOM	120 / 208	3	4	100A	-	-	NEMA 1	SURFACE	FG200-DPA	
CCT	LOAD DESCRIPTION		VA	CB OPT	CB PH	CB	CB OPT	VA	LOAD DESCRIPTION		CCT
1	Receptacle				20	A	15		Exhaust Hose Reel		2
3	Receptacle				20	B	15		Exhaust Hose Reel		2
5	Receptacle				20	C	15		SPARE		6
7	Receptacle				20	A	15		SPARE		8
9	Door Operator				20	B	15		SPARE		10
11	SPARE				15	C	15		SPARE		12
13						A	15		SPARE		14
15	Overhead Door				20	B					16
17						C	20		Overhead Door #12		18
19						A					20
21	Overhead Door				20	B			SPACE		22
23						C			SPACE		24

PANEL	LOCATION	VOLTAGE	PHASE	WIRE	MAINS	MCB	A.I.C.	ENCLOSURE	MOUNTING	FED FROM
FG100-RPB	ELECTRICAL ROOM	120 / 208	3	4	100A	-	-	NEMA 1	SURFACE	FG200-DPA
CCT	LOAD DESCRIPTION	VA	CB OPT	CB PH	CB	CB OPT	VA	LOAD DESCRIPTION	CCT	
1	HRU-1 Receptacle			15	A				2	
3	Receptacle			20	B	30		Hoist 5	4	
5	GFI Receptacle			20	C				6	
7	Receptacle			20	A				8	
9	SPARE			15	B	30		Hoist 7	10	
11	Ceiling Fans			15	C				12	
13	Heaters			15	A			SPACE	14	
15	Exhaust Hose Reels			20	B			SPACE	16	
17	Charging Receptacle			20	C	20		Charging Receptacle	18	
19	Charging Receptacle			20	A	20		Charging Receptacle	20	
21	Charging Receptacle			20	B	20		Charging Receptacle	22	
23	Door Operator			15	C	15		SPARE	24	
25	SPACE				A	15		SPARE	26	
27	SPACE				B	15		SPARE	28	
29	SPACE				C	15		SPARE	30	
31					A				32	
33	Overhead Door			20	B	20		Lawnmower Hoist	34	
35					C				36	
37					A	20		Lawnmower Hoist	38	
39	Overhead Door			20	B	20		Lawnmower Hoist	40	
41					C				42	

PANEL	LOCATION	VOLTAGE	PHASE	WIRE	MAINS	MCB	A.I.C.	ENCLOSURE	MOUNTING	FED FROM
FG100-RPE	ELECTRICAL ROOM	120 / 208	3	4	100A	-	-	NEMA 1	SURFACE	FG200-DPA
CCT	LOAD DESCRIPTION	VA	CB OPT	CB PH	CB CB	CB OPT	VA	LOAD DESCRIPTION	CCT	
1	GFI Receptacle			20	A	15		Heater	2	
3	Receptacle			20	B	15		Exhaust Hose Reel	4	
5	Door Operator			20	C	15		Existing Load	6	
7	Receptacle + Water Fountain			20	A	15		Existing Load	8	
9	Receptacle			20	B	40		Existing Load	10	
11	Receptacle			20	C	40		Existing Load	12	
13	Receptacle			20	A	15		Panic Button	14	
15	Receptacle			20	B	15		EF-13	16	
17	Receptacle			20	C	15		EF-33	18	
19	Cord Reel			20	A				20	
21	Cord Reel			20	B	15		Rollup Door	22	
23	SPACE				C				24	
25	SPACE				A	15		Existing Load	26	
27	SPACE				B			SPACE	28	
29	SPACE				C			SPACE	30	
31					A			SPACE	32	
33	Overhead Door			20	B			SPACE	34	
35					C			SPACE	36	
37					A			SPACE	38	
39	Overhead Door			20	B			SPACE	40	
41					C			SPACE	42	

PANEL	LOCATION	VOLTAGE	PHASE	WIRE	MAINS	MCB	A.I.C.	ENCLOSURE	MOUNTING	FED FROM
FG100-RPG	ELECTRICAL ROOM	120 / 208	3	4	225A	-	-	NEMA 1	SURFACE	FG200-DPA
CCT	LOAD DESCRIPTION	VA	CB OPT	CB PH	CB	CB OPT	VA	LOAD DESCRIPTION	CCT	
1	Receptacle			20	A	15		Heater	2	
3	GFI Receptacle			20	B	15		Exhaust Hose Reel	4	
5	Receptacle			20	C				6	
7	Receptacle			20	A	40		Hoist 2	8	
9	Receptacle			20	B				10	
11	SPARE			15	C				12	
13	SPARE			15	A	40		Hoist 4	14	
15	SPARE			15	B				16	
17	SPACE				C	15		Hoist 6	18	
19	SPACE				A	15		Hoist 8	20	
21	SPACE				B	15		SPARE	22	
23	SPACE				C			SPACE	24	
25	SPACE				A			SPACE	26	
27	SPACE				B			SPACE	28	
29	SPACE				C			SPACE	30	
31					A			SPACE	32	
33	Overhead Door			20	B			SPACE	34	
35					C			SPACE	36	
37					A				38	
39	Overhead Door #16			20	B	20		Overhead Door	40	
41					C				42	



1  
E004 CONTROL BOX ELECTRICAL DIAGRAM  
N.T.S.

## GENERAL NOTES

- 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.

2 Issued for Tender 05/15/2023

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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	Scale: AS—INDICATED
Date: 12/21/2022	Project Number: ALL—22026517—A0
Checked: FM	This Set Contains 4 Drawings.
Date: 12/22/2022	Drawing Number: E004