WORKSHOP

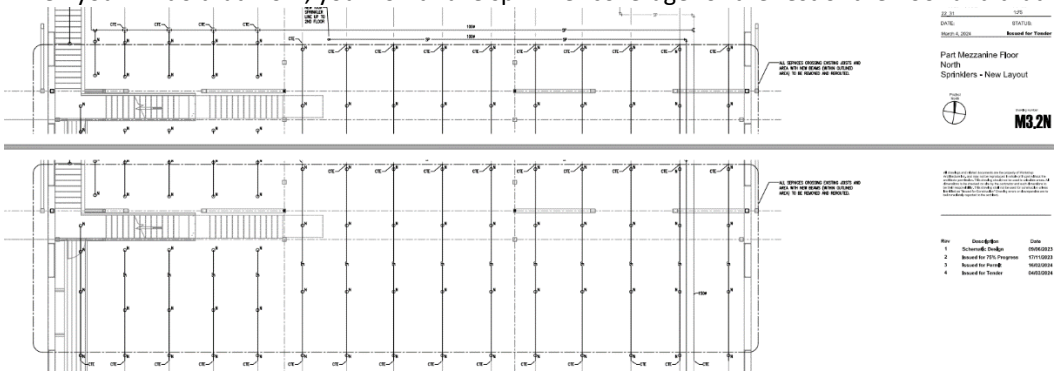
Addendum 03

Project:	2nd floor addition at 56 Edilcan Drive, Vaughan, for Accord Plastics	**Date:**	05 April 2024
Project No.	2231	**Pages incl. cover:**	17

The following changes, additions, deletions and clarifications are hereby made an integral part of the documents, including the drawings and specifications for the above project.

Item	Description
3.01	**Revision to RFP Schedule: Revise item 1 of Instructions to Bidders as follows:** • Bidder Question/Enquiries Due Date: 05 April 2024, 5pm • Response to Questions Date: 08 April 2024, 5pm • Submission Deadline (Technical + Financial): 16 April 2024, 2pm (via email) • Supplementary Bid Form Submission 17 April 2024, 2pm (via email)
3.02	**Revision to Cash Allowance** Further to Addendum 2, the Cash Allowance has been revised. Refer to updated Bid Form (attached).
3.03	**Question:** Please confirm if the clerestory window noted on drawing A1.2 Level 1 - Proposed Plan is new or existing, if possible please provide any details/sections/elevation regarding the clerestory. **Response:** There are no new clerestory windows on the ground floor. Note on drawing A1.2 refers to an existing window.
3.04	**Question:** 1. Can you please ask if any finishes would be required in Manufacturing area E112? If so, what is the extent? 2. For Second floor area 208, RFS just shows wall finish as "EXP". So is there no painting required to walls, but only painting to the exposed ceiling? 3. RFS shows n/a for wall finish in Mezzanine M105. Is this correct? **Response:** 1. Face of new walls & touch-up of new ceiling/wall penetrations to be painted.

	2. Exposed ceiling in manufacturing area is painted. All columns & misc metals are to be painted. Perimeter exterior walls are not painted, exterior walls are composed of prefinished metal panels. Both sides of interior gypsum walls are to be painted, unless noted otherwise. 3. Yes, this is a catwalk mezzanine that has no walls.
3.05	**Question:** Is there a color spec for the plastic laminate and solid surface for the lunchroom ? **Response:** Acceptable manufacturers for materials such as PLAM can be found in the Specifications, colour choices are to be chosen from manufacturer's colour range as indicated in Specification. Basis of design for the QTZ countertop as noted in the spec is to be: Basis-of-Design Material: Quartz by Ceasarstone, CambriaQuartz by Cambria, Quartz by Corian or approved equivalent. Colour to be chosen from Caesarstone's "Standard" Range of finishes.
3.06	**Question:** Please see attached snapshot and advise on the following question. .1 Crystalline Waterproofing Additive: The concrete waterproofing and protection system shall be of the crystalline type that chemically controls and permanently fixes a non-soluble crystalline structure within the pores and capillary tracts of the concrete. This crystalline system causes the concrete to become sealed against the penetration of liquids from any direction and protects the concrete from deterioration due to harsh environmental conditions. The system is used for above or below-grade walls and slabs, including liquid retaining structures and where enhanced chemical resistance is required. The crystalline waterproofing additive shall have a Visual Detection System (VDS) to enable confirmation of the presence of the additive in hardened concrete. 1.3 SYSTEM PERFORMANCE REQUIREMENTS .1 Testing Requirements: The crystalline waterproofing system shall have been tested in accordance with the following standards and conditions, and the testing results shall meet or exceed the performance requirements as specified herein. .2 Independent Laboratory: Testing shall have been performed by an accredited independent laboratory, meeting the requirements of ASTM E 329, CCRL, CCIL, ISO 17025 or other applicable international standard for certification of testing laboratories. The testing laboratory shall have obtained all control and treated concrete samples. .3 Crystalline Formation: The crystallizing capability of the waterproofing system shall be evidenced by independent scanning electron microscope (SEM) photographs showing crystalline formations within the concrete matrix. .4 Permeability: Independent testing shall be performed according to EN 12390-8. Treated samples shall be exposed to water with a pressure of 0.5 MPa for 72 hours. Treated samples must exhibit a reduction in permeability coefficient of at least 80% when compared to control concrete. Control samples must have a depth of penetration of at least 50 mm. .5 Sulfate Resistance: Independent testing shall be performed to determine "Sulfate Resistance of Concrete Specimens" treated with integral crystalline admixture. Treated and untreated samples shall be immersed in a concentrated sulfate solution for at least 4 months. On final weighing, the percentage mass loss of the treated samples shall be significantly lower than the control samples. .6 Compressive Strength: Concrete samples containing the crystalline waterproofing additive shall be tested against an untreated control sample of the same mix. At 28 days, the treated samples shall exhibit equal or increased compressive strength over the control sample. Do we assume you will retain an Independent Laboratory for testing samples? Is there pre pour sampling at the plant for this project? **Response:** Third party testing is covered by cash allowance.

3.07	**Question:** Please see the screenshot below. Can you please confirm what is your approach when you would do this work on Mezzanine area, when you would do those structural changes and remove / add new branch lines for sprinklers? When you will do that work, you won't have sprinkler coverage for the rest of the floor and that is not right.  **Answer:** This project is dependant on the chosen contractor's approach to phasing & understanding of the complexity of working around an operational facility. It is up to you to generate an approach to this issue. Depending on Contractor's selected delivery methods, firewatch may be required while life safety systems are offline. As noted within the documents, firewatch Is the Contractor's responsibility.
3.08	**Question:** Demolition notes D3 and D4 on drawing A1.0 indicate to remove existing footings and columns. Structural Drawings indicate existing footings and columns to remain at noted locations. **Answer:** Note D3 is to be revised to: • Prepare existing column to receive structural reinforcement and Intumescent paint finish, including the removal & reinstatement of existing column mounted services. Refer also to mechanical & electrical. Note D4 is to be revised to: • Cut and remove existing floor slab. Prepare to accept new concrete footing.
3.09	**Question:** Is topographic survey of exterior grades available. It is required to determine required excavation work related to elevator / stair addition as well as exterior column footings. Also, clarify which detail, 4A/S403 or 4B/S403, applies at each exterior column location. **Answer:** Topographic survey has been appended to this addendum.
3.10	**Question:** 1. Addendum 2 mention a future cash allowance to cover unidentified mechanical and electrical that may need to be relocated as a result of fireproofing and joist reinforcement. Will the cash allowance also consider all conditions of unidentified services where work is taking place? For example, note S5 on A0.2.

	2. Note D4 on A1.0 indicates we are to remove existing footings. Plan Detail 1 on S403 says FX1 footings are to remain. What is correct? **Response:** 1. All work outlined in the documents shall be included in the Base Bid. Work that is legitimately extra to the contract documents will be covered either by cash allowance or change order. 2. Refer to answer given in response 3.10
3.11	**Question:** 1. Are we required to repaint entire of the existing ground floor exposed structural and floor deck? 2. From one of our trades : Please be advised Rockwool Mineral Fibre insulation is currently in access of 110 days from date of order. Our stock is insufficient to accommodate a project of this complexity. It may be prudent to advise consultant and see if an alternative product may be approved. Please advise. **Response:** 1. Extent of painting for ground floor structure & exposed floor structure has been noted in the drawings. Refer to drawing 1/A0.1 for fireproofing strategy as this indicates intumescent paint & spray applied fireproofing. All new ground floor columns & reinforced existing ground floor columns are to receive intumescent paint (as specified). See also: 1/A1.4, A4.0 (Note E1). 2. Quantity of mineral wool in the project is not substantial. Product alternates will be discussed with successful bidder upon contract award.

Encl. Updated Bid Form 00 41 00

Topographic Survey drawing

EAD-1 Electrical Addendum

MAD-2 Mechanical Addendum

End of Addendum 03

Project Title and Location: **2nd Floor Addition at Accord Plastics, 56 Edilcan Drive, Vaughan, ON**

Submitted To: Accord Plastics
C/O: WORKSHOP architecture inc
6 Sousa Mendes Street,
Toronto, ON, M6P 0A8

Delivered via Email: Luke@workshopto.ca

We _____
(Company Name)

of _____
(Business Address)

Having examined the *Contract Documents* including addenda No. ____ to No. ____ inclusive (receipt of which is hereby acknowledged), and visited and examined the site, and examined all conditions affecting the work, hereby proposes and offers to furnish all material, labour, service, equipment and all incidentals, and to render all services and pay all applicable taxes (except HST) and all other charges as specified and/or as necessary for performance and completion of the *Work* required by the tender documents for the stipulated base bid price of:

_____ Dollars
(in words)

$ _____
(in figures)

The above base bid is in Canadian funds, **includes** all specified Cash Allowances, is based on specified *products* or systems and includes all taxes and duties except Harmonized Sales Tax (HST) in force at this date.

We have identified the harmonized sales taxes (**HST**) in the amount of:

_____ Dollars $ _____
(in words) (in figures)

in Canadian funds is applicable to the *Work* but is excluded from our Bid Price.

Total Tendered Price (including HST):

_____ Dollars
(in words)

$ _____
(in figures)

Allowances
The following allowances are **included** within the base bid price identified above:

Allowance	**Value**
Testing & Inspections	$30,000
Hardware Keying	$5,000
Exterior Landscaping	$400,000
Front Façade Improvements	$125,000
Removal/reinstatement of services not otherwise identified within Contract Documents	$40,000
Total	**$600,000**

Alternative Prices
The amount to be added to, or deducted from, our base bid price (as entered in the Bid Form) is entered for each requested alternative. All alternative prices exclude Value Added Taxes. If there is no change to the base bid price for an alternative, we have so indicated. It is understood that:

.1 the Owner may accept any of the alternatives and corresponding alternative prices in any order or combination, including all or none,

.2 the lowest bidder will be determined solely from the base bid, without considering any alternative prices, alternatives and alternative prices are open for acceptance by the Owner for the same period of time as the base bid price,

Description of Alternative	**Effect on Base Bid**	
	Add	**Delete**
Alternative 1: 12-month elevator maintenance as outlined in Specification Section 14 20 00, Clause 1.2		

Signatures:
Signed and submitted for and on behalf of:

Company: _____

_____
(Name)

_____
(Street Address)

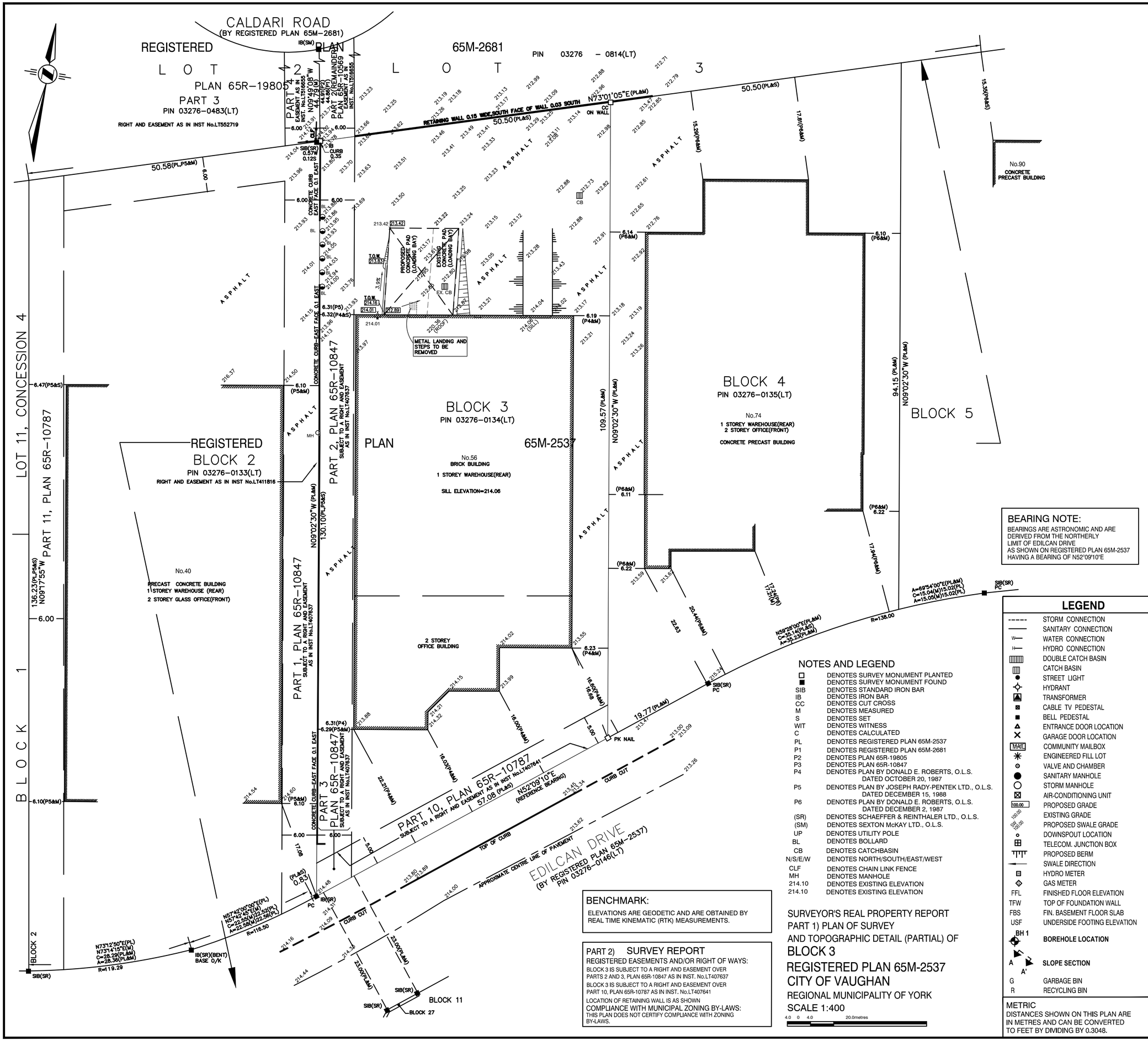
_____
(City, Province & Postal Code)

Signature: _____

Name and Title: _____

Dated at: _____ this _____ day of _____, 2024

END OF SECTION 00 41 00



COMPLIANCE PACKAGE "J"

The Architect is not responsible for the accuracy of survey, structural, mechanical, electrical, etc. engineering information shown on the drawing. Refer to the appropriate engineering drawings before proceeding with work.

Contractor shall check all dimensions on the work and report any discrepancy to the Architect before proceeding. Construction must conform to all applicable Codes and Requirement of Authorities having Jurisdiction.

This drawing is not to be scaled.

This drawing is not to be used for construction unless signed by the Architect.

Issued for Construction: PETER DEL GROSSO

Signature:

Date:

NO:	DATE:	REVISION:

DRAWING TITLE:

SITE PLAN

PROJECT:

PROPOSED FOR

56 EDILCAN DRIVE
VAUGHAN, ONTARIO

PETER DEL GROSSO
ARCHITECTURAL TECHNOLOGIST
67 Elmbrook Crescent
Etobicoke, Ontario M9C 5C7
T: 416 621 3662
e-mail: peterd@pdeldesign.ca
www.pdeldesign.ca

NO:	DATE:	REVISION:
2.		
1.	NOV. 14/16	ISSUED FOR REVIEW

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to design the work shown on the attached documents

QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.5 of The Building Code

PETER DEL GROSSO 20567

REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.4 of The Building Code

PETER DEL GROSSO 27288

ASSOCIATION OF ARCHITECTURAL TECHNOLOGISTS OF ONTARIO
BCIN 20567
PETER DEL GROSSO, M.A.A.T.O

BEARING NOTE:

BEARINGS ARE ASTRONOMIC AND ARE DERIVED FROM THE NORTHERLY LIMIT OF EDILCAN DRIVE AS SHOWN ON REGISTERED PLAN 65M-2537 HAVING A BEARING OF N52°09'10"E

LEGEND

-----	STORM CONNECTION
———	SANITARY CONNECTION
W—	WATER CONNECTION
H—	HYDRO CONNECTION
	DOUBLE CATCH BASIN
	CATCH BASIN
	STREET LIGHT
	HYDRANT
	TRANSFORMER
	CABLE TV PEDESTAL
	BELL PEDESTAL
	ENTRANCE DOOR LOCATION
	GARAGE DOOR LOCATION
MAIL	COMMUNITY MAILBOX
	ENGINEERED FILL LOT
	VALVE AND CHAMBER
	SANITARY MANHOLE
	STORM MANHOLE
	AIR-CONDITIONING UNIT
100.00	PROPOSED GRADE
100.00	EXISTING GRADE
SW 100.00	PROPOSED SWALE GRADE
	DOWNSPOUT LOCATION
	TELECOM. JUNCTION BOX
	PROPOSED BERM
	SWALE DIRECTION
	HYDRO METER
	GAS METER
FFL	FINISHED FLOOR ELEVATION
TFW	TOP OF FOUNDATION WALL
FBS	FIN. BASEMENT FLOOR SLAB
USF	UNDERSIDE FOOTING ELEVATION
BH 1	BOREHOLE LOCATION
A A'	SLOPE SECTION
G	GARBAGE BIN
R	RECYCLING BIN

NOTES AND LEGEND

	DENOTES SURVEY MONUMENT PLANTED
■	DENOTES SURVEY MONUMENT FOUND
SIB	DENOTES STANDARD IRON BAR
IB	DENOTES IRON BAR
CC	DENOTES CUT CROSS
M	DENOTES MEASURED
S	DENOTES SET
WIT	DENOTES WITNESS
C	DENOTES CALCULATED
PL	DENOTES REGISTERED PLAN 65M-2537
P1	DENOTES REGISTERED PLAN 65M-2681
P2	DENOTES PLAN 65R-19805
P3	DENOTES PLAN 65R-10847
P4	DENOTES PLAN BY DONALD E. ROBERTS, O.L.S. DATED OCTOBER 20, 1987
P5	DENOTES PLAN BY JOSEPH RADY-PENTEK LTD., O.L.S. DATED DECEMBER 15, 1988
P6	DENOTES PLAN BY DONALD E. ROBERTS, O.L.S. DATED DECEMBER 2, 1987
(SR)	DENOTES SCHAEFFER & REINTHALER LTD., O.L.S.
(SM)	DENOTES SEXTON McKAY LTD., O.L.S.
UP	DENOTES UTILITY POLE
BL	DENOTES BOLLARD
CB	DENOTES CATCHBASIN
N/S/E/W	DENOTES NORTH/SOUTH/EAST/WEST
CLF	DENOTES CHAIN LINK FENCE
MH	DENOTES MANHOLE
214.10	DENOTES EXISTING ELEVATION
214.10	DENOTES EXISTING ELEVATION

BENCHMARK:

ELEVATIONS ARE GEODETIC AND ARE OBTAINED BY REAL TIME KINEMATIC (RTK) MEASUREMENTS.

PART 2) SURVEY REPORT

REGISTERED EASEMENTS AND/OR RIGHT OF WAYS:

BLOCK 3 IS SUBJECT TO A RIGHT AND EASEMENT OVER PARTS 2 AND 3, PLAN 65R-10847 AS IN INST. No.LT407637

BLOCK 3 IS SUBJECT TO A RIGHT AND EASEMENT OVER PART 10, PLAN 65R-10787 AS IN INST. No.LT407641

LOCATION OF RETAINING WALL IS AS SHOWN

COMPLIANCE WITH MUNICIPAL ZONING BY-LAWS:
THIS PLAN DOES NOT CERTIFY COMPLIANCE WITH ZONING BY-LAWS.

SURVEYOR'S REAL PROPERTY REPORT
PART 1) PLAN OF SURVEY
AND TOPOGRAPHIC DETAIL (PARTIAL) OF
BLOCK 3
REGISTERED PLAN 65M-2537
CITY OF VAUGHAN
REGIONAL MUNICIPALITY OF YORK
SCALE 1:400

4.0 0 4.0 20.0metres

METRIC

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

AREA:	
SCALE:	1:400
DRAWN BY:	PDG
DATE:	NOV. 14/16
PROJECT No.:	16-47

DRAWING No.:

SP-1

SHARMA & PARTNERS INC.

Electrical Addendum

Architect in Charge: Workshop Architecture Inc.	Electrical Addendum	EAD-1 (Addendum #3)
	Issue Date:	April 5, 2024
Project: **Accord Vaughan, 56 Edilcan Drive, Concord**	Project Number:	2023-1010

The following items are changes to the tender contract documents for this project. Contractor shall include the cost of these addendum items in the tender quotation. All material and workmanship are to be described in the contract documents unless otherwise stated. Contractor shall identify addendum numbers included in the tender quotation when submitting tender / bid form.

1.0 Drawing E0.2 "Panels Schedule" re-issued herewith.

1.1 Refer to revisions bubbled in red on the revised drawing

2.0 Drawing E0.3 "Single Line Diagram – Demolition" re-issued herewith**.**

1.1 The drawing is revised in its entirety

3.0 Drawing E0.4 "Single Line Diagram – New" re-issued herewith**.**

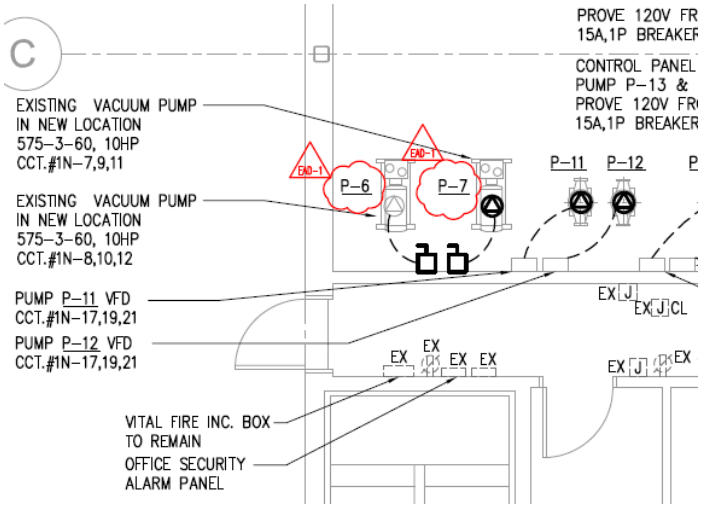
1.2 The drawing is revised in its entirety

4.0 Drawing E1.1S "Single Line Diagram – Demolition" re-issued herewith**.**

1.3 Demolition scope is revised – refer to the revised drawing

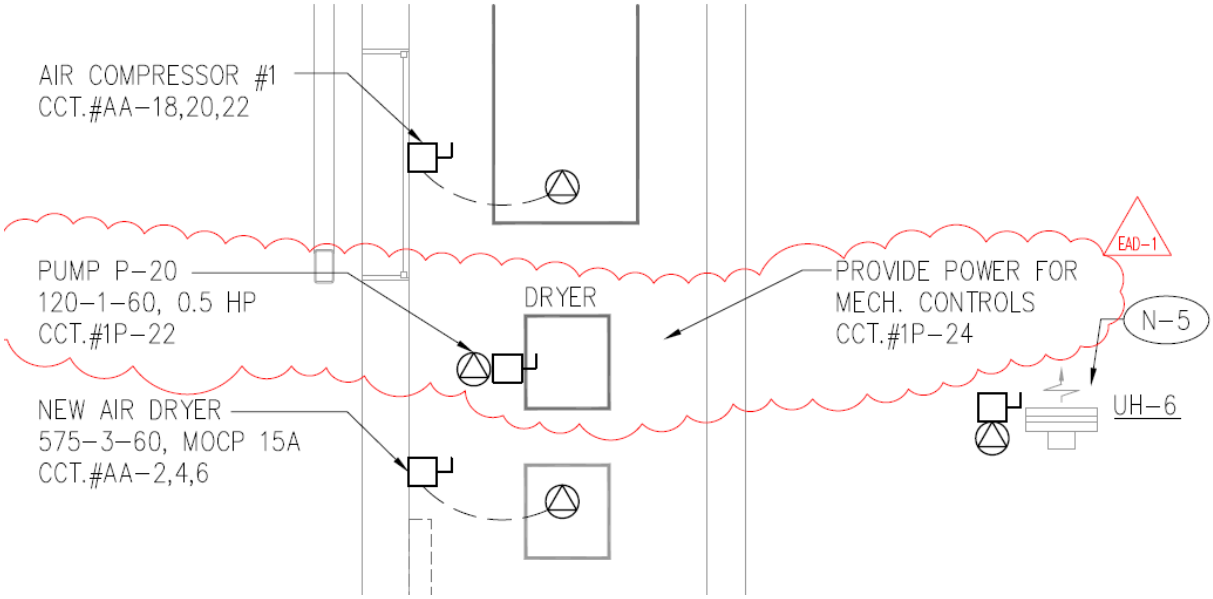
5.0 Drawing E3.1S "Part Ground Floor south Power – New Layout" not re-issued**.**

1.4 Pumps tags were added to the drawing



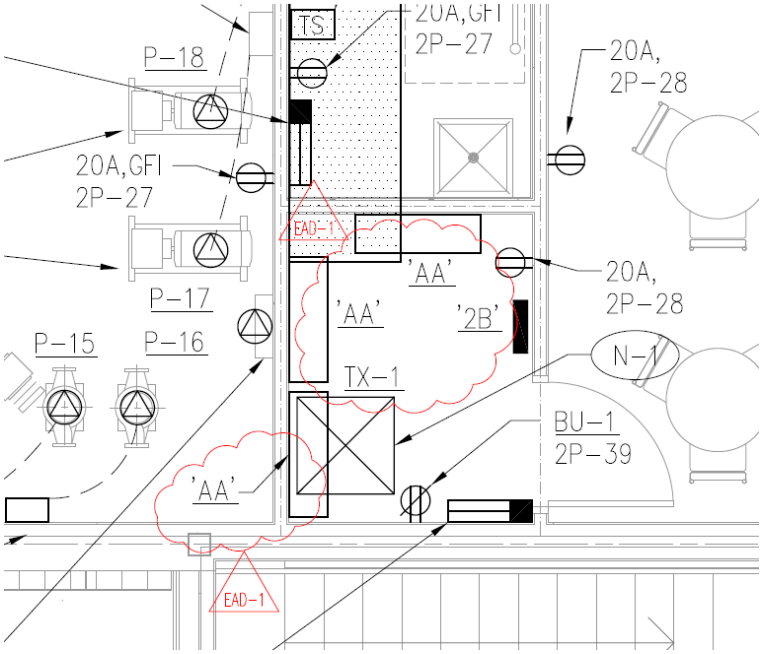
6.0 Drawing E3.1N "Part Ground Floor North Power – New Layout" not re-issued.

1.5 Add power to pump P-20 and mechanical controls



7.0 Drawing E3.1S "Part Ground Floor south Power – New Layout" not re-issued.

1.6 Panels and transformer tags were added to the drawing



8.0 Questions / Answers:

8.1 **Q:** "*I reviewed the project documents, and was not able to locate any data drops on the drawings provided in order to provide an accurate Communications quote.*
Will you please submit the following RFI:

Please provide a Communications Site Plan/Drawing indicating data drops.
Is there any specified Communications Systems Supplier, as there is a specified Security Systems Supplier , " Vingcard", outlined in Spec document"

A: Communication scope is covered by cash allowance. Exact scope of work will be identified by Accord during construction.

8.2 **Q: "***Provide clear photos, Manufacturer detail and KA rating for Existing 1600A SWBD in order to retrofit breakers."*

A: please refer to the attached photos


DANGER
ALIVE


EATON
Industrial Circuit Breaker
CRD 65k
2000 AMPS MAX. 600 VAC 3 POLE
CRD320T36W
1495D85G67
DIGITRIP 310 TRIP UNIT
RES2000LSIG
AVAILABLE RATING PLUGS
20RES20T 20RES16T 20RES14T
20RES12T 20RES125T 20RES10T
A20RES20T1 A20RES20T2
Interrupting Capacity – RMS Symmetrical Ampere
IEC 60947-2
Volt kA
240 ~ 125
480 ~ 65
600 ~ 50
~ = 50/60 Hz
Icu kA Ics kA
240 ~ 135 100
415 ~ 70 50
690 ~ 25 13
Uimp 8 kV
Category A
For 100% Application –
– Use Rear Connectors B2016RDL
– Minimum Enclosure Size Is 21.5 H x 18 W x 13 D Inches.
– Use Only 90°C Wire With Ampacity Based On 75°C Rated Conductors If Cabling To Rear Connectors.
Accessories Installed


EATON
SWITCHGEAR UNIT
APPAREIL DE COMMUTATION
CSA STANDARD C22.2 No. 31/SERIE CSA C22.2 No. 31
Oshawa, ON SECTION 5 OF 5
MAIN BUS BAR CAPACITY/CAPACITE DE BARRE PRINCIPALE 1600 AMPS
VOLTAGE TENSION 347 / 600 Vac 60 Hz
SYSTEM SYSTEME 3 PH / 4 W
SHORT CIRCUIT RATING
LA VALEUR DU COURANT DE COURT CIRCUIT
SYMMETRICAL 50 KA RMS
AMPS/L'AMPERAGE @ 600V VOLTS MAX.
SYMMETRIQUE TENSION MAX.
JOB NO. 88–104006
NO. REF.
TYPE PRL–C DATE Jan–13
ENCLOSURE TYPE 2
ENVELOPPE TYPE
SWITCHGEAR UNIT
APPAREIL DE COMMUTATION
LL47168
259P075H01 Rev.13
53644

PANEL '1N'
347/600V,3PH,4W

TYPE: BOLT-ON
MAINS: 400 AMPS
MOUNTING: RECESSED

LOCATION: GROUND FLOOR SOUTH

	LOAD	DESCRIPTION	BREAKER		CIRCUITS		BREAKER	DESCRIPTION	LOAD	
		EXISTING SPLITTER #2	60A 3P	1 3 5	2 4 6	100A 3P	EXISTING 50T CHILLER		(1)
(2)	10HP	EXISTING VACUUM PUMP P-6	30A 3P	7 9 11	8 10 12	30A 3P	EXISTING VACUUM PUMP P-7	10HP	(2)
		SPARE	20A	13	14	20A	SPARE		
		SPACE		15	16	15A	SPARE		
	2x7.5HP	CHILLED WATER RETURN PUMP P-11 & P-12	35A 3P	17 19 21	18 20 22	35A 3P	CHILLED WATER SUPPLY PUMP P-13 & P-14	2x7.5HP	
		SPACE		23	24		SPACE		
		SPACE		25	26		SPACE		
		SPACE		27	28		SPACE		
		SPACE		29	30		SPACE		
		SPACE		31	32		SPACE		
		SPACE		33	34		SPACE		
		SPACE		35	36		SPACE		
		SPACE		37	38		SPACE		
		SPACE		39	40		SPACE		
		SPACE		41	42		SPACE		

NOTE:
TO BE C/W BUILT-IN MOLDED CASE MAIN SWITCH RATED AT 50KA INTERRUPTING CURRENT
(1) BREAKER WITH ADJUSTABLE TRIP UNIT. SET TO 85A
92) BREAKER WITH ADJUSTABLE TRIP UNIT

PANEL '2P'
120/208V,3PH,4W

TYPE: BOLT-ON
MAINS: 225 AMPS
MOUNTING: RECESSED MOUNTED

LOCATION: 2ND FLOOR CORRIDOR

LOAD	DESCRIPTION	BREAKER		CIRCUITS		BREAKER	DESCRIPTION	LOAD
	UNIT HEATERS UH-2, UH-4, UH-3	15A	1	2	15A		UNIT HEATERS UH-1 & UH-5	
2.0KW	BASEBOARD HEATERS	15A 2P	3 5	4 6	30A 2P		BASEBOARD HEATERS	4.5KW
	SPACE		7	8	15A		BASEBOARD HEATER	1.5KW
	LIGHTS	20A	9	10	2P			
	MOTORIZED DAMPERS	15A	11	12	15A		MECHANICAL CONTROLS	
	LIGHTS	20A	13	14	20A		LIGHTS	
	WC EXHAUST FAN EF-1 & EF-2	15A	15	16	15A		DOOR OPERATOR	
720	BATTERY UNIT BU-2 & BU-3	15A	17	18	15A		BATTERY UNIT BU-4 & BU-5	720
	LUNCH RM EXHAUST FAN EF-3	15A	19	20	15A		ELEC. ROOM EXHAUST FAN EF-8	1/4HP
1.4KW	HAND DRYER (UNIV. WASHROOM)	20A	21	22	20A		HAND DRYER (WASHROOM)	1.4KW
	FRIDGE, LUNCH ROOM	15A	23	24	20A		COUNTER RECEPTACLE, LUNCH ROOM	
	MICROWAVE, LUNCH ROOM	20A	25	26	20A		COUNTER RECEPTACLE, LUNCH ROOM	
	CONVENIENCE RECEPTACLE	20A	27	28	20A		CONVENIENCE RECEPTACLE	
1HP	GENERAL EXHAUST FAN EF-4	25A	29	30	25A		GENERAL EXHAUST FAN EF-6	1HP
1HP	GENERAL EXHAUST FAN EF-5	25A	31	32	25A		GENERAL EXHAUST FAN EF-7	1HP
1.5KW	DHWT-1	20A	33	34	20A		OUTDOOR RECEPTACLE ON ROOF	
1.0KW	BASEBOARD HEATERS	15A 2P	35 37	36 38	15A 2P		ELEC. UNIT HEATER	1.5KW
720	BATTERY UNIT BU-1	15A	39	40	15A		EXIT SIGNS	
	CONTROL PANEL FOR P-17 & P-18	15A	41	42	15A		CONTROL PANEL FOR P-15 & P-16	
	INFRARED HEATER IRH-1 & IRH-2	15A	43	44	15A		INFRARED HEATER IRH-3	
			45	46				
			47	48				
			49	50				
			51	52				
			53	54				
			55	56				
			57	58				
			59	60				

NOTE:
TO BE C/W BUILT-IN MOLDED CASE MAIN SWITCH RATED AT 50KA INTERRUPTING CURRENT

PANEL '1P'
120/208V,3PH,4W

TYPE: BOLT-ON
MAINS: 225 AMPS
MOUNTING: SURFACE MOUNTED

LOCATION: GROUND FLOOR NORTH

LOAD	DESCRIPTION	BREAKER		CIRCUITS		BREAKER	DESCRIPTION	LOAD
	CONDENSING UNIT CC-1	15A 2P	1 3	2 4	25A 2P		FORCED FLOW HEATER	4.0KW
	UNIT HEATER UH-10	15A	5	6	20A		OUTDOOR RECEPTACLE ON ROOF	
1.5KW	BASEBOARD HEATER	15A 2P	7 9	8 10	15A 2P		BASEBOARD HEATER	1.0KW
1/3HP	SUBMERSIBLE SUMP PUMP P-19, GFI	15A	11	12	15A		PUMP P-19 CONTROL PANEL	
	ELEVATOR CONTROL PANEL	15A	13	14	15A		ELEVATOR LIGHTING	
	SPARE	15A	15	16	15A		SPARE	
	LIGHTS	20A	17	18	20A		LIGHTS	
	EXIT SIGNS	15A	19	20	15A		SPARE	
	SPACE		21	22	20A		PUMP P-20	0.5HP
	SPACE		23	24	15A		MECHANICAL CONTROLS	
	SPACE		25	26			SPACE	
	SPACE		27	28			SPACE	
	SPACE		29	30			SPACE	
	SPACE		31	32			SPACE	
	SPACE		33	34			SPACE	
	SPACE		35	36			SPACE	
	SPACE		37	38			SPACE	
	SPACE		39	40			SPACE	
	SPACE		41	42			SPACE	

NOTE:
TO BE C/W BUILT-IN MOLDED CASE MAIN SWITCH RATED AT 50KA INTERRUPTING CURRENT

PANEL 'AA' (TUB #1)
347/600V,3PH,4W

TYPE: BOLT-ON
MAINS: 800 AMPS
MOUNTING: SURFACE MOUNTED

LOCATION: 2ND FLOOR ELECTRICAL ROOM

LOAD	DESCRIPTION	BREAKER		CIRCUITS		BREAKER	DESCRIPTION	LOAD	
60HP	ELEVATOR	175A 3P	1 3 5	2 4 6	15A 3P		AIR DRYER		
	TRANSFORMER TX-1	175A 3P	7 9 11	8 10 12	20A 3P		RTU-1		
	LIGHTS	20A	13	14	20A		LIGHTS		
	LIGHTS	20A	15	16	20A		LIGHTS		
(1)	CHILLER CH-1	250A 3P	17 19 21	18 20 22			SPACE SPACE SPACE		
2x7.5HP	GLYCOL PUMP P-15 & P-16	35A 3P	23 25 27	24 26 28	40A 3P		VACUUM PUMP P-17 & 18	2x10HP	(2)
	SPACE		29	30	100A				
	SPACE		31	32	3P		COMPRESSOR #1	75HP	
	SPACE		33	34					
	LIGHTS	20A	35	36	20A		LIGHTS		
	SPACE		37	38			SPACE		
	SPACE		39	40			SPACE		
	SPACE		41	42			SPACE		
	SPACE		43	44			SPACE		
	SPACE		45	46			SPACE		
	SPACE		47	48			SPACE		
	SPACE		49	50			SPACE		
	SPACE		51	52			SPACE		
	SPACE		53	54			SPACE		
	SPACE		55	56			SPACE		
	SPACE		57	58			SPACE		
	SPACE		59	60			SPACE		

NOTE:
TO BE C/W BUILT-IN MOLDED CASE MAIN SWITCH RATED AT 50KA INTERRUPTING CURRENT
(1) BREAKER WITH ADJUSTABLE TRIP UNIT. SET TO 175A
(2) BREAKER WITH ADJUSTABLE TRIP UNIT.

PANEL 'AA' (TUB #2)
347/600V,3PH,4W

TYPE: BOLT-ON
MAINS: 800 AMPS
MOUNTING: SURFACE MOUNTED

LOCATION: 2ND FLOOR ELECTRICAL ROOM

	LOAD	DESCRIPTION	BREAKER		CIRCUITS		BREAKER	DESCRIPTION	LOAD	
(1)		EXTRUDER LINE #1	100A 3P	61 63 65	62 64 66	100A 3P	EXTRUDER LINE #2		(1)
(1)		EXTRUDER LINE #1	30A 3P	67 69 71	68 70 72	30A 3P	EXTRUDER LINE #2		(1)
(1)		EXTRUDER LINE #1	30A 3P	73 75 77	74 76 78	30A 3P	EXTRUDER LINE #2		(1)
(1)		EXTRUDER LINE #1	30A 3P	79 81 83	80 82 84	30A 3P	EXTRUDER LINE #2		(1)
(1)		EXTRUDER LINE #1	30A 3P	85 87 89	86 88 90	30A 3P	EXTRUDER LINE #2		(1)
(1)		EXTRUDER LINE #3	200A 3P	91 93 95	92 94 96	200A 3P	EXTRUDER LINE #4		(1)
(1)		EXTRUDER LINE #3	30A 3P	97 99 101	98 100 102	30A 3P	EXTRUDER LINE #4		(1)
(1)		EXTRUDER LINE #3	30A 3P	103 105 107	104 106 108	30A 3P	EXTRUDER LINE #4		(1)
(1)		EXTRUDER LINE #3	30A 3P	109 111 113	110 112 114	30A 3P	EXTRUDER LINE #4		(1)
(1)		EXTRUDER LINE #3	30A 3P	115 117 119	116 118 120	30A 3P	EXTRUDER LINE #4		(1)

NOTE:
(1) BREAKER WILL BE PROVIDED BY ACCORD TEAM OUTSIDE OF THIS PROJECT. BREAKER SIZES ARE SHOWN FOR REFERENCE ONLY TO ALLOW FOR ADEQUATE SPACE IN THE PANEL

PANEL 'AA' (TUB #3)
347/600V,3PH,4W

TYPE: BOLT-ON
MAINS: 800 AMPS
MOUNTING: SURFACE MOUNTED

LOCATION: 2ND FLOOR ELECTRICAL ROOM

	LOAD	DESCRIPTION	BREAKER		CIRCUITS		BREAKER	DESCRIPTION	LOAD	
(1)		EXTRUDER LINE #5	100A 3P	121 123 125	122 124 126	100A 3P	EXTRUDER LINE #6		(1)
(1)		EXTRUDER LINE #5	30A 3P	127 129 131	128 130 132	30A 3P	EXTRUDER LINE #6		(1)
(1)		EXTRUDER LINE #5	30A 3P	133 135 137	134 136 138	30A 3P	EXTRUDER LINE #6		(1)
(1)		EXTRUDER LINE #5	30A 3P	139 141 143	140 142 144	30A 3P	EXTRUDER LINE #6		(1)
(1)		EXTRUDER LINE #5	30A 3P	145 147 149	146 148 150	30A 3P	EXTRUDER LINE #6		(1)
(1)		EXTRUDER LINE #7	200A 3P	151 153 155	152 154 156	200A 3P	EXTRUDER LINE #8		(1)
(1)		EXTRUDER LINE #7	30A 3P	157 159 161	158 160 162	30A 3P	EXTRUDER LINE #8		(1)
(1)		EXTRUDER LINE #7	30A 3P	163 165 167	164 166 168	30A 3P	EXTRUDER LINE #8		(1)
(1)		EXTRUDER LINE #7	30A 3P	169 171 173	170 172 174	30A 3P	EXTRUDER LINE #8		(1)
(1)		EXTRUDER LINE #7	30A 3P	175 177 179	176 178 180	30A 3P	EXTRUDER LINE #8		(1)

NOTE:
(1) BREAKER WILL BE PROVIDED BY ACCORD TEAM OUTSIDE OF THIS PROJECT. BREAKER SIZES ARE SHOWN FOR REFERENCE ONLY TO ALLOW FOR ADEQUATE SPACE IN THE PANEL

PANEL '2B'
120/208V,3PH,4W

TYPE: BOLT-ON
MAINS: 600 AMPS
MOUNTING: SURFACE MOUNTED

LOCATION: 2ND FLOOR ELECTRICAL ROOM

	LOAD	DESCRIPTION	BREAKER		CIRCUITS		BREAKER	DESCRIPTION	LOAD	
(1)		EXTRUDER LINE #1	15A	1	2	15A		EXTRUDER LINE #2		(1)
(1)		EXTRUDER LINE #1	15A	3	4	15A		EXTRUDER LINE #2		(1)
(1)		EXTRUDER LINE #1	20A	5	6	20A		EXTRUDER LINE #2		(1)
(1)		EXTRUDER LINE #1	15A	7	8	15A		EXTRUDER LINE #2		(1)
(1)		EXTRUDER LINE #1	20A 3P	9 11 13	10 12 14	20A 3P		EXTRUDER LINE #2		(1)
(1)		EXTRUDER LINE #3	15A	15	16	15A		EXTRUDER LINE #4		(1)
(1)		EXTRUDER LINE #3	15A	17	18	15A		EXTRUDER LINE #4		(1)
(1)		EXTRUDER LINE #3	20A	19	20	20A		EXTRUDER LINE #4		(1)
(1)		EXTRUDER LINE #3	15A	21	22	15A		EXTRUDER LINE #4		(1)
(1)		EXTRUDER LINE #3	20A 3P	23 25 27	24 26 28	20A 3P		EXTRUDER LINE #4		(1)
(1)		EXTRUDER LINE #5	15A	29	30	15A		EXTRUDER LINE #6		(1)
(1)		EXTRUDER LINE #5	15A	31	32	15A		EXTRUDER LINE #6		(1)
(1)		EXTRUDER LINE #5	20A	33	34	20A		EXTRUDER LINE #6		(1)
(1)		EXTRUDER LINE #5	15A	35	36	15A		EXTRUDER LINE #6		(1)
(1)		EXTRUDER LINE #5	20A 3P	37 39 41	38 40 42	20A 3P		EXTRUDER LINE #6		(1)
(1)		EXTRUDER LINE #7	15A	43	44	15A		EXTRUDER LINE #8		(1)
(1)		EXTRUDER LINE #7	15A	45	46	15A		EXTRUDER LINE #8		(1)
(1)		EXTRUDER LINE #7	20A	47	48	20A		EXTRUDER LINE #8		(1)
(1)		EXTRUDER LINE #7	15A	49	50	15A		EXTRUDER LINE #8		(1)
(1)		EXTRUDER LINE #7	20A 3P	51 53 55	52 54 56	20A 3P		EXTRUDER LINE #8		(1)
		PANEL '2P'	3P	57 59 61	58 60 62	60A 3P		PANEL '1P'		
		SPACE		63	64			SPACE		
		SPACE		65	66			SPACE		
		SPACE		67	68			SPACE		
		SPACE		69	70			SPACE		
		SPACE		71	72			SPACE		
		SPACE		73	74			SPACE		
		SPACE		75	76			SPACE		
		SPACE		77	78			SPACE		
		SPACE		79	80			SPACE		

NOTE:
TO BE C/W BUILT-IN MOLDED CASE MAIN SWITCH RATED AT 50KA INTERRUPTING CURRENT
(1) BREAKER WILL BE PROVIDED BY ACCORD TEAM OUTSIDE OF THIS PROJECT. BREAKER SIZES ARE SHOWN FOR REFERENCE ONLY TO ALLOW FOR ADEQUATE SPACE IN THE PANEL

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2	Issued for 75% Progress	17/11/2023
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5	Issued for Addendum #3 (EAD-1)	05/04/2024

SHARMA & PARTNERS INC.
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LICENSED PROFESSIONAL ENGINEER
A. PRUTKIN
04/03/24
PROVINCE OF ONTARIO

SPI PROJECT #: 2023-1010

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Accord Vaughan

56 Edilcan Drive, Concord, ON

PROJECT CODE:	SCALE:
22_31	N.T.S.
DATE:	STATUS:
April 5, 2024	**Addendum #3**

Panels Schedules

Project North

drawing number
E0.2

Rev	Description	Date
1	Schematic Design	09/06/2023
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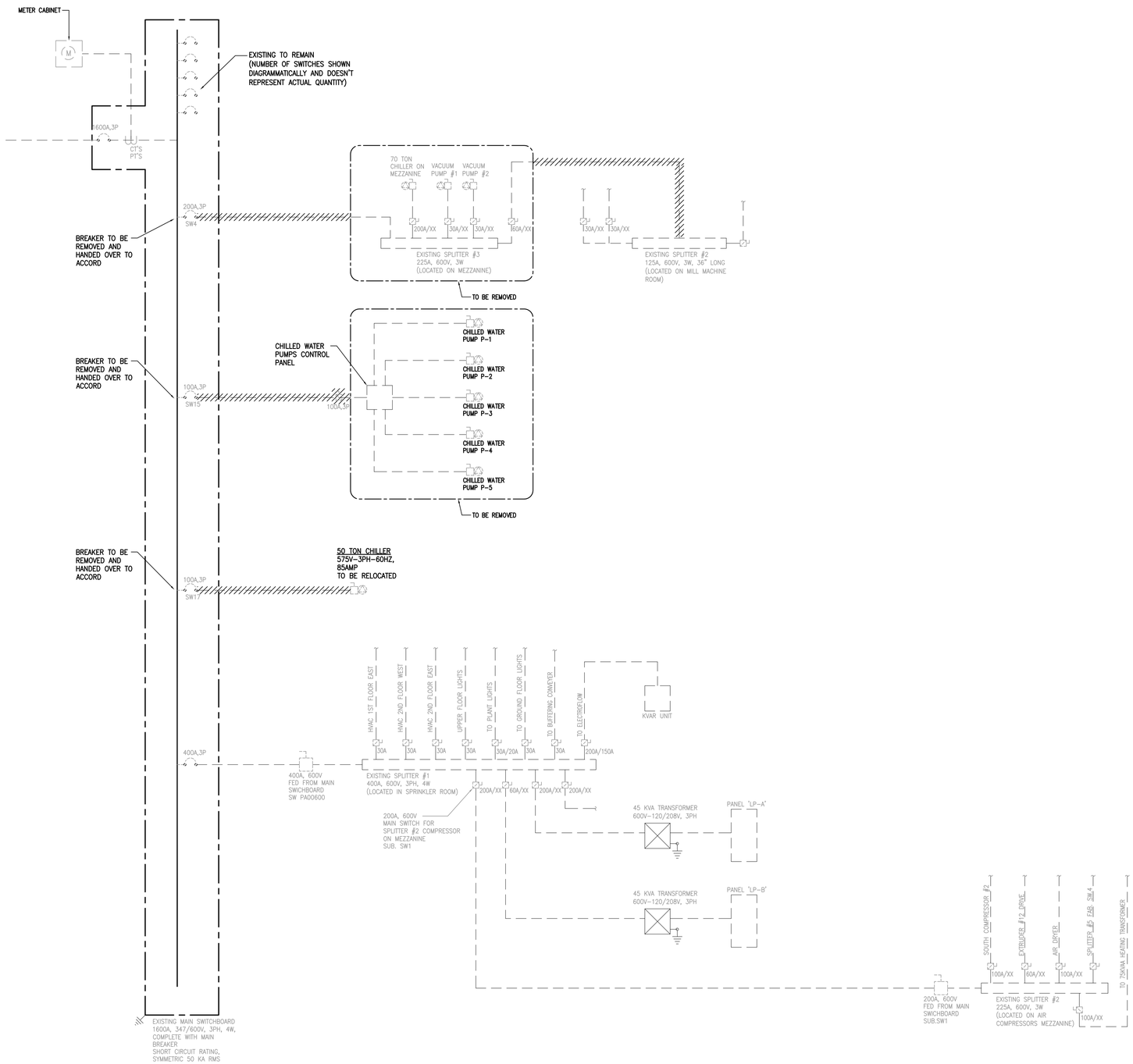
LEGEND:

- DENOTES: WIRING AND CONDUIT TO BE REMOVED
- DENOTES: EXISTING ELECTRICAL DEVICE TO BE REMOVED
- HIDDEN SHADED LINE DENOTES: EXISTING SERVICE
- SOLID LINE DENOTES: NEW SERVICE



DRAWING IS RE-ISSUED FOR ADDENDUM #3 (EAD-1)

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LICENCE FOR PROFESSIONAL ENGINEER A. PROTKIN 04/03/24 PROVINCE OF ONTARIO

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PROJECT CODE:	SCALE:
22_31	N.T.S.
DATE:	STATUS:
April 5, 2024	**Addendum #3**

Single Line Diagram
Demolition

Project North

drawing number
E0.3

Rev	Description	Date
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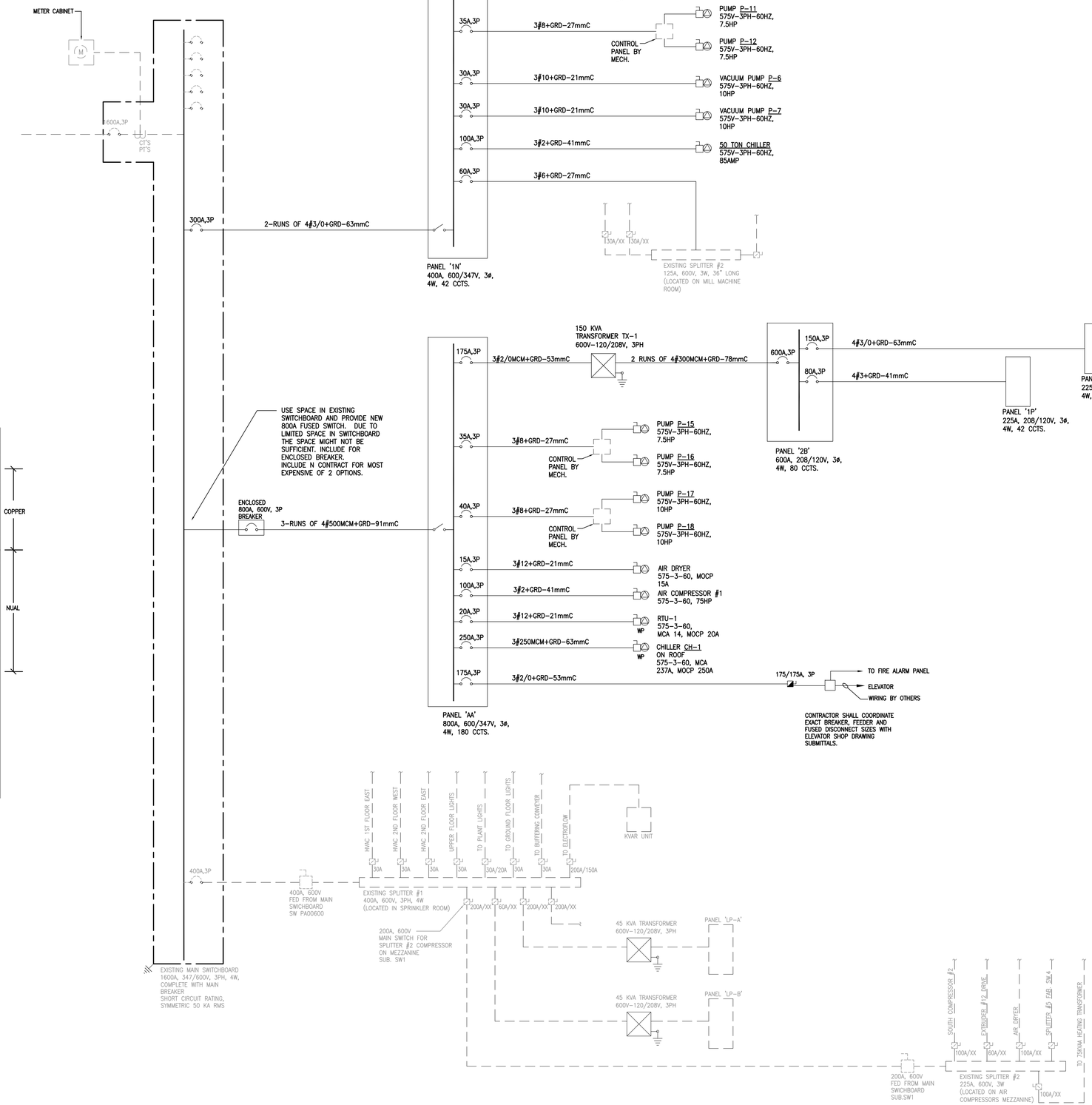
CABLE SIZES ON THIS DRAWING IS PROVIDED FOR COPPER.
UNLESS SHOWN OTHERWISE, CABLES & CONDUIT TABLE BELOW TO BE USED

CABLE & CONDUIT TABLE

NO. OF CONDUCTORS PRE-FIX #	MAX BREAKER SIZE	WIRE SIZE	AMP RATING @75°C	CONDUIT SIZE		
				4 CONDUCTORS	3 CONDUCTORS	2 CONDUCTORS
COPPER	15	#12	25	21 (3/4")	21 (3/4")	21 (3/4")
	20	#12	25	21 (3/4")	21 (3/4")	21 (3/4")
	30	#10	35	27 (1")	21 (3/4")	21 (3/4")
	50	#8	50	27 (1")	27 (1")	21 (3/4")
	60	#6	65	35 (1 1/4")	35 (1 1/4")	27 (1")
	80	#4	85	41 (1 1/2")	35 (1 1/4")	35 (1 1/4")
	100	#1	100	41 (1 1/2")	35 (1 1/4")	35 (1 1/4")
	125	#2/0	130	53 (2")	53 (2")	–
	150	#3/0	150	53 (2")	53 (2")	–
	200	250MCM	200	78 (3")	63 (2 1/2")	–
	225	300MCM	230	78 (3")	63 (2 1/2")	–
	250	350MCM	255	78 (3")	78 (3")	–
	300	500MCM	310	103 (4")	91 (3 1/2")	–
	350	750MCM	380	103 (4")	103 (4")	–
	400	1000MCM	420	103 (4")	103 (4")	–
NUAL						

NOTES:

1. CABLE SHALL BE 90°C TYPE WITH 75°C AMPACITY TO SUIT BREAKER TERMINATION CHARACTERISTIC.
2. FEEDER SHALL BE PROVIDED WITH BONDING CONDUCTOR AS PER CODE.
3. PARALLEL RUNS, BONDING CONDUCTOR IS REQUIRED IN EACH CONDUIT RUN.
4. RUN PARALLEL FEEDERS FOR RATING OVER 400A.
5. CABLE SIZE FOR PARALLEL RUN TO BE #1/0.
6. DO NOT USE THIS SCHEDULE FOR UNDERGROUND CABLE. SIZE UNDERGROUND CABLE AS PER OESC.
7. USE THIS COLUMN FOR CIRCUIT WITH CURRENT CARRYING NEUTRAL/S. APPLY 0.8 CORRECTION FACTOR FROM TABLE 5C FOR 90°C AMPACITY.
8. BOTH 75°C AND CORRECTED 90°C (IF APPLY) CABLE AMPACITY MUST BE GREATER THAN THE BREAKER SIZE. UP-SIZE CABLE AS REQUIRED TO SUIT VOLTAGE DROP.



DRAWING IS RE-ISSUED FOR ADDENDUM #3 (EAD-1)

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L'ORDRE DES INGÉNIEURS PROFESSIONNELS DE L'ONTARIO
A. PROTKIN
04/03/24
PROVINCE OF ONTARIO

SPI PROJECT #: 2023-1010

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Accord Vaughan

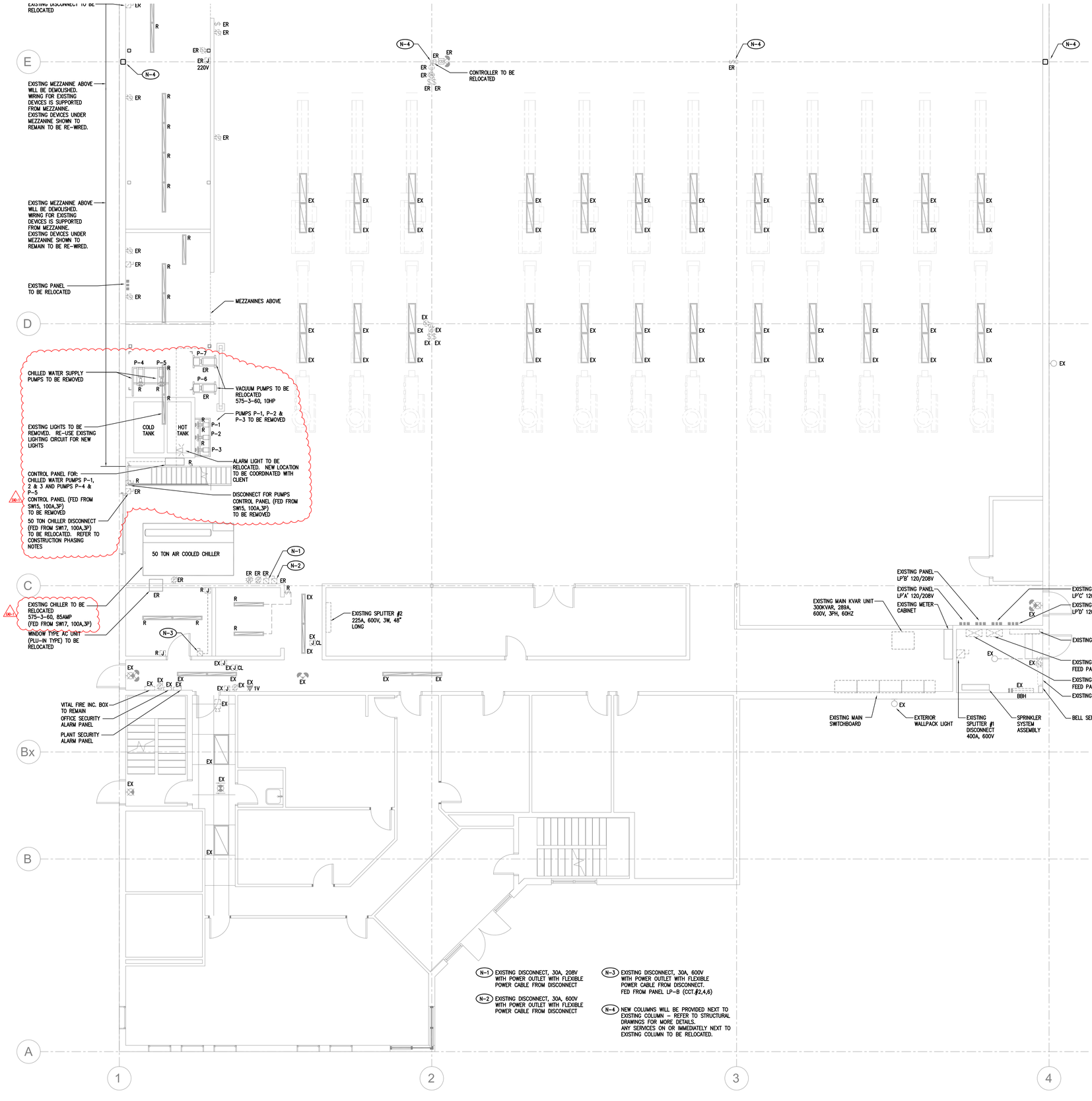
56 Edilcan Drive, Concord, ON

PROJECT CODE:	SCALE:
22_31	N.T.S.
DATE:	STATUS:
April 5, 2024	**Addendum #3**

Single Line Diagram
New

Project North

drawing number
E0.4



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LICENCE OF PROFESSIONAL ENGINEER
A. PROTKIN
04/03/24
PROVINCE OF ONTARIO

SPI PROJECT #: 2023-1010

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Accord Vaughan

56 Edilcan Drive, Concord, ON

PROJECT CODE:	SCALE:
22_31	1:75
DATE:	STATUS:
April 5, 2024	**Addendum #3**

Part Ground Floor
South
Electrical Demolition

Project North

drawing number
E1.1S

SHARMA & PARTNERS INC.

Mechanical Addendum

Architect in Charge: Workshop Architecture Inc.	Mechanical Addendum	MAD-2 (Addendum #3)
	Issue Date:	April 5, 2024
Project: **Accord Vaughan, 56 Edilcan Drive, Concord**	Project Number:	2023-1010

The following items are changes to the tender contract documents for this project. Contractor shall include the cost of these addendum items in the tender quotation. All material and workmanship are to be described in the contract documents unless otherwise stated. Contractor shall identify addendum numbers included in the tender quotation when submitting tender / bid form.

Question 1:

"On drawing M0.4 it's shown filtration tank 600x600x600 and Blue Media Filter. Please let me know if this tank is precast and provide more details or spec about filter."

Answer:

Tank shall be 316 Stainless Steel , 18 gauge, 600x600x700 deep with folded top open edges, 2-50mm wide vertical filter track channels on opposite sides for Blue Media filter and back up extruded SS Steel frame holder for removable filters.

Question 2:

"In spec all chilled water piping is black steel sch 40 but on drawing M0.4 piping which is going to owner supplied water tanks it's written this piping is CPVC. Please clarify from which point black steel becomes CPVC."

Answer:

Chilled water piping between roof chiller and main heat exchanger glycol loop/ primary pumps, valves etc. shall be metallic (Black Iron Sch.40).
All other chilled water piping in secondary loops to and from open tanks and hotside of heat exchanger will be CPVC Sch 80.

1. **Drawing M0.2 "Mechanical Equipment Schedules"** not re-issued

   1.1 Pump schedule: pump P-20 is added. Pump to be Armstrong S55 or approved equal, circulator, 120V, 1ph, 60Hz, 0.5HP, 40 gpm, 20ft head, with speed controller at pump for balancing.

2. **Drawing M0.5 "Sprinkler and Compressed Air Diagrams"** re-issued herewith.

   1.2 Diagram on detail 2 is revised.
   1.3 All revisions shown on diagram are revised on floor plan. Floor plan is not issued in this addendum

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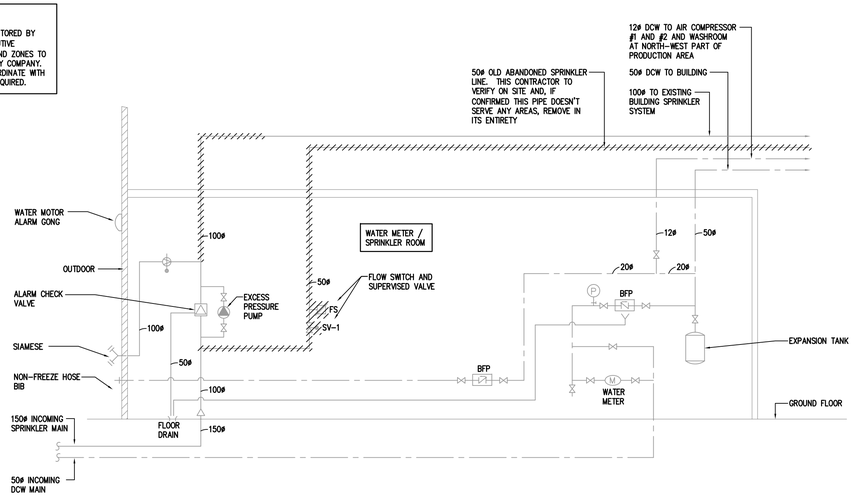
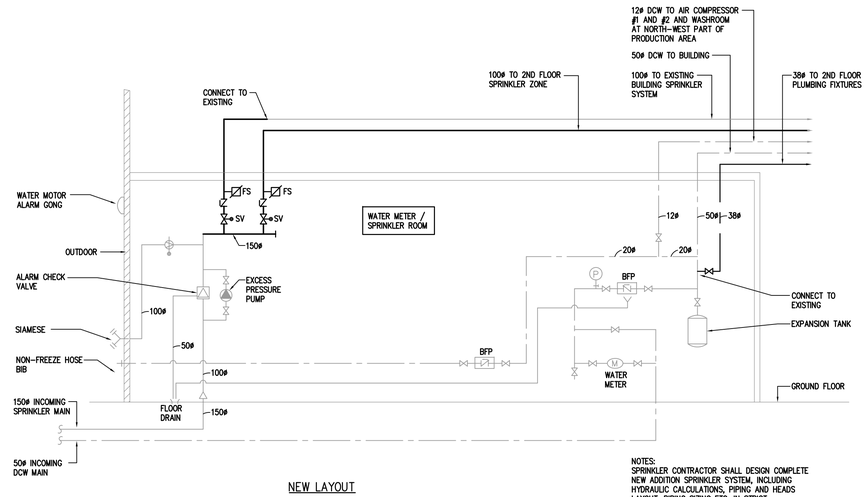
NOTES:

SPRINKLER SYSTEM IS MONITORED BY SECURITY COMPANY (EXECUTIVE ALARMS). NEW DEVICES AND ZONES TO BE MONITORED BY SECURITY COMPANY. THIS CONTRACTOR TO COORDINATE WITH EXECUTIVE ALARMS AS REQUIRED.



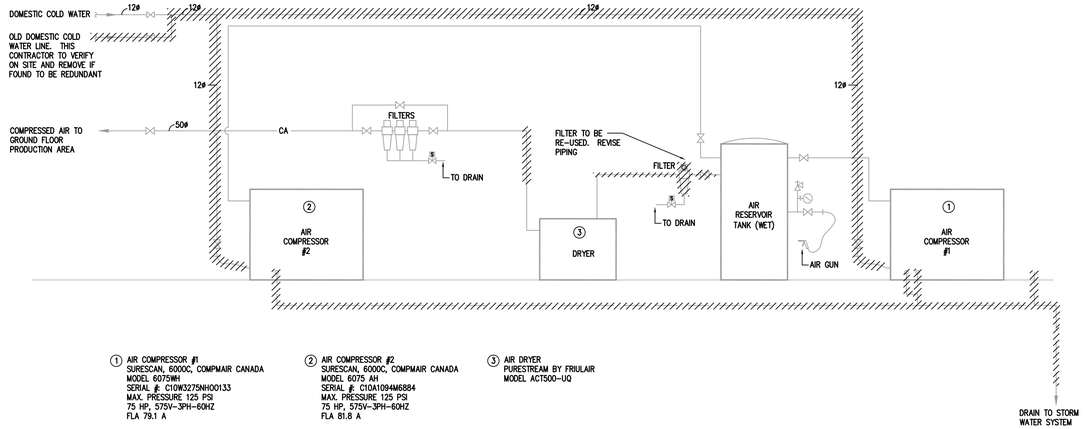
EXISTING LAYOUT



NOTES:
SPRINKLER CONTRACTOR SHALL DESIGN COMPLETE NEW ADDITION SPRINKLER SYSTEM, INCLUDING HYDRAULIC CALCULATIONS, PIPING AND HEADS LAYOUT, PIPING SIZING ETC. IN STRICT ACCORDANCE WITH NFPA 13 REQUIREMENTS

NEW LAYOUT

1 SPRINKLER ASSEMBLY
M0.5 SCALE: N.T.S.

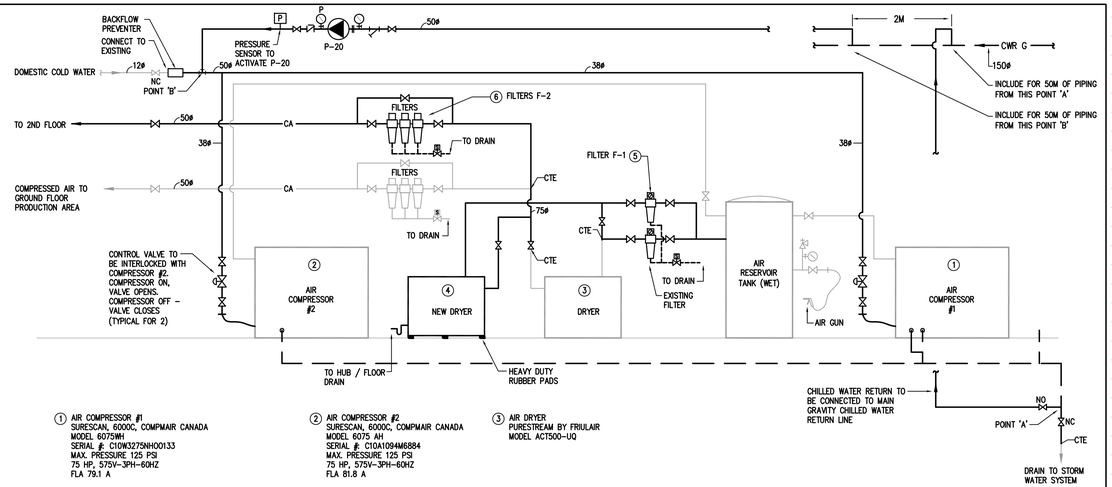


① AIR COMPRESSOR #1
SURESCAN, 6000C, COMPMAIR CANADA
MODEL 6075WH
SERIAL #: C10W3275NH00133
MAX. PRESSURE 125 PSI
75 HP, 575V-3PH-60HZ
FLA 79.1 A

② AIR COMPRESSOR #2
SURESCAN, 6000C, COMPMAIR CANADA
MODEL 6075 AH
SERIAL #: C10A1094M6884
MAX. PRESSURE 125 PSI
75 HP, 575V-3PH-60HZ
FLA 81.8 A

③ AIR DRYER
PURESTREAM BY FRIULAIR
MODEL ACT500-UQ

EXISTING LAYOUT



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SURESCAN, 6000C, COMPMAIR CANADA
MODEL 6075WH
SERIAL #: C10W3275NH00133
MAX. PRESSURE 125 PSI
75 HP, 575V-3PH-60HZ
FLA 79.1 A

② AIR COMPRESSOR #2
SURESCAN, 6000C, COMPMAIR CANADA
MODEL 6075 AH
SERIAL #: C10A1094M6884
MAX. PRESSURE 125 PSI
75 HP, 575V-3PH-60HZ
FLA 81.8 A

③ AIR DRYER
PURESTREAM BY FRIULAIR
MODEL ACT500-UQ

④ NEW AIR DRYER
PURESTREAM REFRIGERATION ACT DRYERBY FRIULAIR
MODEL ACT 500U
FLOW RATE: 500 SCFM,
39° DEWPOINT, R410A REFRIGERANT
COMPLETE WITH AUTODRAIN, PRE & FINAL LIQUID AND OIL COALESCENT FILTER (580 CFM CAPACITY)
OIL FILTERS, 2-1/2" NPT,
316 STAINLESS STEEL BRAZED HEAT EXCHANGER
HOT GAS BY-PASS VALVE
UNIT WEIGHT: 406 LBS
POWER: 575V-3PH-60HZ, MOCP 15A

⑤ NEW FILTER F-1:
INGERSOLL RAND COMPRESSED AIR FILERS OR EQUAL
P985-15,
580CFM FLOW,
INGERSOLL GRADE G PARTICLE REMOVAL TO 1 MICRON INCLUDING COALSCED LIQUID, WAETER, OIL ETC.

⑥ NEW FILTERS F-2:
INGERSOLL RAND COMPRESSED AIR FILERS OR EQUAL
SET OF 3 FILTERS GRADE A, G & H
HIGH EFFICIENCY FILTERS WITH 0.01 MICRON WATER, OIL, AEROSOLS ETC. REMOVAL.
400 CFM FLOW

NEW LAYOUT

2 COMPRESSED AIR PIPING DIAGRAM
M0.5 SCALE: N.T.S.

MAD-2

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SPI PROJECT #: 2023-1010

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Accord Vaughan

56 Edilcan Drive, Concord, ON

PROJECT CODE:	SCALE:
22_31	N.T.S.
DATE:	STATUS:
April 5, 2024	**Addendum #3**

Sprinkler and Compressed Air Diagrams

Project North

drawing number
M0.5