Appendix A

GALT ARENA DOORS

98 Shade St, Cambridge, Ontario



LIST OF DRAWINGS:

ARCHITECTURAL

CONTEXT PLAN & CODE MATRIX **HOARDING & DEMOLITION PLANS** DOORS ELECTRICAL PATHWAY

PROVISIONAL PRICE - CONCRETE ENTRY SLAB ARCHITECTURAL SPECIFICATIONS

CLIENT:

CITY OF CAMBRIDGE 50 Dickson Street Cambridge, Ontario[ON], A#A #A# T. (519) 623-1340 E. cambridge.ca

CONSULTANTS:

ARCHITECTURAL

FABRIK ARCHITECTS 58 Grand Avenue South, Unit 201 Cambridge ON, N1S 0B7 T. 519-743-0608 E. info@fabrikarchitects.ca www.fabrikarchitects.ca



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COVER

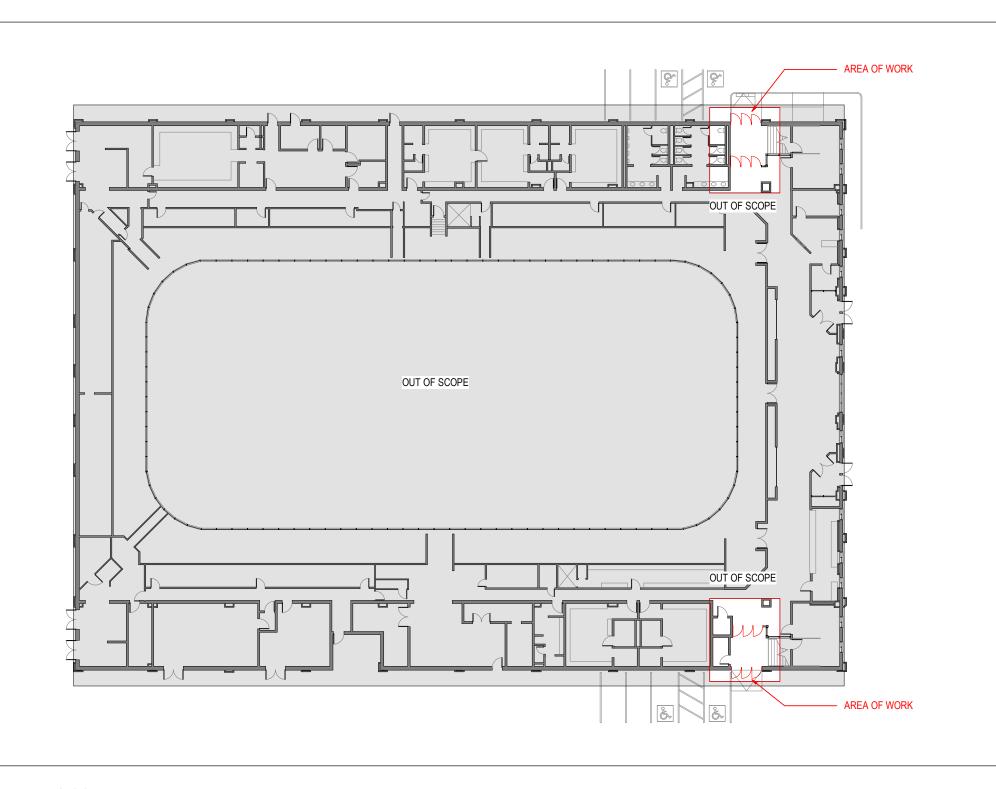
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OVERALL BUILDING CONTEXT

GENERAL PROJECT NOTES

- 1. THE FOLLOWING GENERAL NOTES SHALL APPLY TO ALL DRAWINGS AND GOVERN UNLESS OTHERWISE NOTED OR SPECIFIED.
- 2. ANY DISAGREEMENTS, CONFLICTS AND DISCREPANCIES BETWEEN CONSULTANT'S DOCUMENTS SHALL BE REPORTED TO FABRIK ARCHITECTS INC FOR CLARIFICATION AND INTERPRETATION PRIOR TO COMMENCEMENT OF WORK.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL DIMENSIONS ON SITE AND ON DRAWINGS. REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY. FAILURE TO DO SO WILL BE AT THE CONTRACTOR'S EXPENSE
- 4. REQUEST ANY ADDITIONAL INFORMATION REQUIRED TO PROPERLY COMPLETE THE WORK. ALL REQUESTS FOR INFORMATION SHALL BE IN WRITING AND FORWARDED
- 5. THE WORK DELINEATED IN THESE DRAWINGS SHALL CONFORM TO CODES, STANDARDS AND REGULATIONS THAT HAVE JURISDICTION IN THE PROVINCE OF ONTARIO
- 6. THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL COMPLY WITH THE APPROPRIATE MUNICIPAL AND REGULATORY AGENCIES, SHALL BE RESPONSIBLE FOR FILING FOR AND SECURING NECESSARY PERMITS AND APPROVALS FOR ALL TRADES, AND SHALL COMPLY WITH THE INSTRUCTIONS OF THE CONSTRUCTION
- 7. SUBMIT ALL NECESSARY SHOP DRAWINGS PRIOR TO FABRICATION FOR APPROVAL BY ARCHITECT AND ENGINEERS. NO INFORMATION OR DETAILS ON THESE SHEETS MAY BE USED ON OTHER PROJECTS WITHOUT THE PERMISSION OF ARCHITECT.
- 8. ALL SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ARCHITECT PRIOR TO ORDER PLACEMENT
- 9. IN CASE OF AMBIGUITIES, DISCREPANCIES, OR IRREGULARITIES IN THE CONSTRUCTION DOCUMENTS, MANUFACTURER'S INSTRUCTIONS, SITE CONDITIONS, OR APPLICABLE CODES AND STANDARDS; REQUEST CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING. THE COST OF WORK DONE AS A RESULT OF PROCEEDING WITHOUT OBTAINING CLARIFICATION WILL BE BORNE SOLELY BY THE CONTRACTOR.
- 10. DO NOT SCALE OFF OF DRAWINGS. CONTACT ARCHITECT FOR ADDITIONAL INFORMATION IF REQUIRED.
- 11. THE CONTRACTOR SHALL SUPPLY AND MAINTAIN A COPY OF THE LATEST SET OF CONSTRUCTION DRAWINGS AT THE JOB SITE AT ALL TIMES.
- 12. UNLESS OTHERWISE SHOWN OR NOTED, TYPICAL DETAILS SHALL BE USED WHERE APPLICABLE.
- 13. SAFETY MEASURES: THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF THE PERSONS AND PROPERTY AND FOR INDEPENDENT ENGINEERING REVIEWS OF THESE CONDITIONS. THE ARCHITECT'S OR ENGINEER'S SITE REVIEW IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.
- 14. ALL WORK IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.
- 15. THE TERM "CONTRACTOR" AND "G.C." REFER TO THE OWNER'S GENERAL CONTRACTOR. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO DETERMINE DIVISION OF WORK AMONG SUB-CONTRACTORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISTRIBUTION OF DRAWINGS, ADDENDUMS, RFI RESPONSES, CHANGE ORDER REQUESTS, ETC. TO ALL TRADES UNDER HIS/HER JURISDICTION.
- 16. THE OWNER RESERVES THE RIGHT TO MAKE CHANGES IN THE DRAWINGS AND SPECIFICATIONS AS THE WORK PROGRESSES. CHANGE ORDERS, DRAWINGS, SPECITIATIONS, OR INSTRUCTIONS COVERING USCH CHANGES WILL BE ISSUED TO THE CONTRACTOR WHOSE RESPONSIBILITY WILL BE TO DISTRIBUTRE TO TRADES FOR PRICING, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL TRADES WITH WORK RELATED TO A CHANGE PROVIDE PRICING PRIOR TO SENDING TOTAL COST TO OWNER AND ARCHITECT FOR REVIEW AND APPROVAL
- 17. ALL CONSTRUCTION LABORERS PERFORMING UNDER THIS WORK SHALL BE SKILLED WORKERS WITHIN THEIR RESPECTIVE TRADES.
- 18. REGARDING CONTRACTOR'S USE OF PREMISES. TIME RESTRICTIONS FOR PERFORMING WORK ARE TO BE VERIFIED WITH THE OWNER AND ALL UTILITY OUTAGES AND SHUTDOWNS SHALL BE COORDINATED WITH THE OWNER.
- 19. COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF THE EXISTING CONDITIONS AND NO EXTRA CLAIMS BASED ON THESE CONDITIONS WILL BE PERMITTED.
- 20. THE CONTRACTOR IS RESPONSIBLE TO CLEAN UP AND REMOVE FROM THE PREMISES ALL WASTE MATERIALS, RUBBISH, WRAPPINGS, AND SALVAGES AS GENERATED BY THE CONSTRUCTION, DEMOLITION AND/OR DELIVERY AND INSTALLATION OF ANY PRODUCTS, MATERIALS, OR EQUIPMENT WHICH IS PART OF THEIR CONTRACT ON A REGULAR BASIS THROUGHOUT THE COURSE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING PROFESSIONAL CLEANERS TO CLEAN THE SPACE PRIOR TO SUBSTAINTIAL COMPLETION REVIEW UNLESS OTHERWISE NOTED.
- 21. ALL MATERIALS AND EQUIPMENT SPECIFIED SHALL BE SUPPLIED, INSTALLED, CONNECTED, REECTED, CLEANED, AND CONDITIONED AS DIRECTED BY THE SUPPLIER / MANUFACTURER, IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARD PRACTICE AND IN COMPLIANCE WITH PRODUCT WARRANTY.
- 22. CONTRACTOR SHALL REVIEW DSS REPORT SUPPLIED BY CLIENT AND PROVIDE ABATEMENT SERVICES AS INDICATED IN DRAWINGS AND SPECIFICATIONS AS REQUIRED AND IN CONFORMANCE WITH ALL APPLICABLE CODES AND STANDARDS.

GENERAL FINISHING NOTES

- 1. FIELD VERIFICATION IS REQUIRED FOR QUANTITIES OF ALL MATERIALS PRIOR TO ORDERING AND INSTALLING.
- 2. ALL MATERIALS LISTED TO BE AS SPECIFIED OR APPROVED ALTERNATIVES, ANY PROPOSED ALTERNATIVES TO BE SUBMITTED TO ARCHITECT FOR REVIEW OF COLOUR, FINISH AND QUALITY PRIOR TO ORDERING MATERIAL, G.C. TO SUPPLY AND INSTALL ALL MATERIALS ABOVE AS LISTED AND INDICATED ON PLANS AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
- 3. PRIOR TO ORDERING, ALL FINISHES NEED TO BE CONFIRMED AND APPROVED BY CLIENT AND ARCHITECT. DO NOT ORDER WITHOUT WRITTEN CONFIRMATION; SUPPLY SAMPLES TO DESIGNER / PROJECT MANAGER FOR APPROVAL.
- 4. ALL MATERIALS TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS FOR THE INTENDED USAGE.
- 5. PREPARE A PACK OF SIGNIFICANT SIZE LEFTOVERS WHICH WILL REMAIN ON SITE FOR FUTURE REPAIRS AND PATCHING FOR EACH TYPE / COLOR OF ALL FINISHES. ASSUME 10% OVERAGE UNLESS OTHERWISE CONFIRMED WITH OWNER.
- 6. REPAIR AND MAKE GOOD ALL EXISTING FINISHES TO REMAIN WHICH ARE AFFECTED BY NEW CONSTRUCTION.
- 7. ALL DOOR FRAMES AND BASE MUST BE PROTECTED WITH APPROPRIATE MATERIAL TO AVOID DAMAGE DURING INSTALLATION OF FLOORING MATERIALS. THE PROTECTION MATERIALS AND METHODS OF ADHESION SHOULD NOT DAMAGE THE FINISH WHEN REMOVED. DAMAGE DONE TO COMPLETED WORK TO BE REPAIRED AT NO COST TO THE OWNER.
- 8. WALL PAINT TO BE APPLIED WITH 1 COAT PRIMER AND TWO COATS PAINT. ALL GENERAL WALLS TO BE PAINTED AS PER SPECIFCATIONS AND IN CONFORMANCE WITH CURRENT ISSUE OF MASTER PAINTERS INSISTUTE ARCHITECTURAL PAINTING SPECIFICIATIONS MANUAL AND MAINTENANCE REPAITING MANUAL REGARDING MATERIALS, PREPARATION AND WORKMANSHIP. PAINT FORMULA TO BE COMMERCIAL GRADE FOR HIGH TRAFFIC AREAS WITH EASILY WASHABLE AND STAIN RESISTANT FINISH.
- 9. REMOVE ALL SIGNS, COVER PLATES, ESCUTCHEON PLATES AND ANY LOOSE FIXTURES ON WALL PRIOR TO PAITNING / WALL COVERING. UPON COMPLETION, REINSTALL.
- 10. MASK OFF HINGES FROM EXISTING DOORS PRIOR TO PAINTING AND / OR REMOVE COMPLETE AND REINSTALL UPON
- 11. ENSURE FLOOR IS PROPERLY PREPARED FOR INSTALLATION OF SPECIFIED FLOOR FINISH PER MANUFACTURER'S
- 12. ENSURE SURFACE FLATNESS OF SUBSTRATES IS IN CONFORMANCE WITH MATERIAL / PRODUCT ACCEPTABLE STANDARDS. IF ACCEPTABLE STANDARDS ARE NOT MET, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MEET THESE STANDARDS BEFORE PROCEEDING WITH WORK.
- 13. ALL FLOORING MATERIAL TO HAVE MANUFACTURERS RECOMMENDED FINISH APPLIED AFTER INSTALLATION AND PROPER CARE AND MAINTENANCE INSTRUCTIONS TO BE ISSUED TO THE OWNER.
- 14. WHEN A CHANGE IN FLOOR FINISH OCCURS AT DOORWAY, LOCATE THE SEAM TO BE CENTERED UNDER THE DOOR IN THE CLOSED POSITION, UNLESS OTHERWISE INDICITATED.
- 15. CONTRACTOR IS RESPONSBILE TO PROVIDE FLOOR TRANSITIONS BETWEEN DISSIMILAR FLOORING MATERIAL AS REQUIRED BY THE ONTARIO BUILDING CODE. PROVIDE SUBMITTAL WITH PROFILE, MATERIAL, AND COLOR/FINISH FOR EACH TRANSITION LOCATION FOR ARCHITECT TO REVIEW PRIOR TO ORDER AND INSTALL.
- 16. ALL FLOOR FINISHES TO BE PROTECTED FROM DAMAGE BY TRADES AFTER INSTALLATION. ANY DAMAGE TO BE REPAIRED AT

11.00	Building Code Version: Project Type:	O.Reg. 332/12	
-	Project Type:		
11.02		☐ Addition ■ Renovation ☐ Addition and Renovation ☐ Change of Use	[A]1.1.2.
11.02		Description: 1 for 1 replacement of doors. Addition of power door operators.	
	Major Occupancy Classification:	Occupancy: Use A-3 Arena	3.1.2.1.(1)
11.03	Superimposed Major Occupancies:	□ No □ Yes ■ N/A Description:	3.2.2.7.
11.04	Building Area (m²)	Existing New Total 3819.8 m ² 0 3819.8 m ²	[A]1.4.1.2.
11.05	Building Height	2 Storeys Above Grade 0 (m) Above Grade 0 Storeys Below Grade	[A]1.4.1.2. & 3.2.1.1.
11.06	Number of Streets/ Firefighter access	1 street - No change	3.2.2.10. & 3.2.5.
11.07	Building Size	☐ Small ☐ Medium ■ Large ☐ ≥ Large	T.11.2.1.1.B-N.
11.08	Existing Building	Construction in Major Occupancy: Yes N/A (no change of major occupancy)	11.2.1.1.
	Classification:	Construction Index: 4	T.11.2.1.1A
		Hazard Index: 6	T.11.2.1.1B to N
		Importance Category: ☐ Low ☐ Normal ■ High ☐ Post-Disaster	4.1.2.1.(3) & 5.2.2.1.(2)
11.09	Renovation Type:	■ Basic Renovation □ Extensive Renovation	11.3.3.1. & 11.3.3.2.
11.10	Occupant Load	Floor Level / Area Occupancy Based On Occupancy Load	3.1.17.
		Type (Persons)	
		LEVEL 1 A-3 ARENA DESIGN - EXISTING 100 STANDS LEVEL 2 A-3 ARENA DESIGN - EXISTING 1700	
		NO CHANGE TO EXISTING OCCUPANT LOAD	
11.11	Plumbing Fixture Requirements	Ratio : Male/Female = 50 : 50, except as noted otherwise	9.31. & 3.7.4.
	Requirements	Floor Level / Area Occupant OBC Fixtures Fixtures Load Reference Required Provided	
		Load Reference Required Provided EXISTING TO REMAIN -	
		NO CHANGE — — — — — — — — — — — — — — — — — — —	
11.12	Barrier-free Design:	■ YES Explanation: Adding Power Door Operators to doors. Doors remaining existing size because of site and budgetary constraints.	11.3.3.2.(2)
11.13	Reduction in	Structural: ■ No ☐ Yes	11.4.2.1.
	Performance level:	By Increase In Occupant Load: ■ No ☐ Yes	11.4.2.2.
		By Change of Major Occupancy: ■ No ☐ Yes	11.4.2.3. 11.4.2.4.
		Plumbing: ■ No ☐ Yes Sewage System: ■ No ☐ Yes	11.4.2.4.
		Extension of combustible Construction:	11.4.2.6.
11.14	Compensating	■ No □ Yes	11.4.3.1.
	Construction:	Structural: No Yes	11.4.3.2.
		By Increase In Occupant Load: ■ No ☐ Yes	11.4.3.3.
		By Change of Major Occupancy: ■ No ☐ Yes Plumbing: ■ No ☐ Yes	11.4.3.4. 11.4.3.5.
		Plumbing: ■ No ☐ Yes Sewage System: ■ No ☐ Yes	11.4.3.5.
		Extension of combustible Construction:	11.4.3.7.
11.15	Compliance Alternative	■ No □ Yes	11.5.1.
	Proposed:		
11.16	Notes:	RECORD DRAWINGS AVAILABLE TO CONSULTANT DO NOT SHOW ANY EXISTING FIRE	11.5.1.
		RATINGS TO BE MAINTAINED.	

TRUE NORTH

KEY PLAN

2024.08.07 2 PERMIT & TENDER

ISSUED

2024.06.03 | 1 | CLIENT REVIEW

DATE

All references are to Division B of the OBC unless preceded by [A] for Division A and [C] for Division C.

SITE EXAMINATION NOTES

- 1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE SITE SURFACES, STRUCTURES AND WORK UNDERLYING OR ADJACENT TO THE WORK TO BE PERFORMED. REPORT ANY FORESEEABLE INTERFERENCE AND/OR DIFFICULTIES TO PERFORM THE WORK TO ARCHITECT.
- 2. CONTRACTOR SHALL TAKE FIELD MEASUREMENTS RELATIVE TO WORK AS REQUIRED. FABRICATE AND ERECT WORK TO SUIT FIELD DIMENSIONS AND FIELD CONDITIONS. REPORT ANY DISCREPANCIES TO ARCHITECT AT ONCE.
- 3. COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF THE EXISTING CONDITIONS AND NO EXTRA CLAIMS BASED ON THESE CONDITIONS WILL BE PERMITTED.

DOOR & GLAZING NOTES

- 1. EXTERIOR METAL DOORS SHALL BE INSULATED AND WEATHER STRIPPED. THE CAVITY BEHIND AND AROUND FRAMES SHALL BE FILLED WITH HIGH DENSITY EXPANDING POLY-URETHANE FOAM, PROVIDE CONTINUOUS
- EXTERIOR SEALANT OVER ALL JOINTS. 2. THE CONTRACTOR SHALL PROVIDE ENGINEERED SHOP DRAWINGS FOR ALL DOORS TO CERTIFY COMPLIANCE
- WITH THE ONTARIO BUILDING CODE. 3. ENERGY SAVINGS REQUIREMENTS AS PER OBC - SB10 AND ASHRAE 90.1. ALL WINDOWS DOORS & WINDOWS ARE
- TO MEET THE FOLLOWING ASSEMBLY MAXIMUM U-VALUE: A. ALUMINUM ENTRANCE DOOR - U-0.69 (I-P)
- B. FIXED ALUMINUM FRAMED WINDOW U-0.38 (I-P) 4. POWER-ASSISTED SWINGING DOORS SHALL:
- A. TAKE NOT LESS THAN 3 SECONDS TO MOVE FROM THE CLOSED TO THE FULLY OPEN POSITIONS
- B. REQUIRE A FORCE OF NOT MORE THAN 66 N TO STOP DOOR MOVEMENT. 5. REFER TO SHEET A903 FOR HARDWARE SCHEDULE.
- 6. GLAZING SHALL BE TEMPERED UNLESS OTHERWISE NOTED.
- 7. POWER DOOR OPERATORS SHALL BE OF THE WIRELESS VARIETY. SHOULD WIRED VARIETY BE USED BY CONTRACTOR, THE CONTRACTOR IS RESPONSIBLE FOR ALL THE WIREING, CONDUITS, PATCHING + REPAIR WORK.

GALT ARENA DOORS

PROJECT NAME

CITY OF CAMBRIDGE

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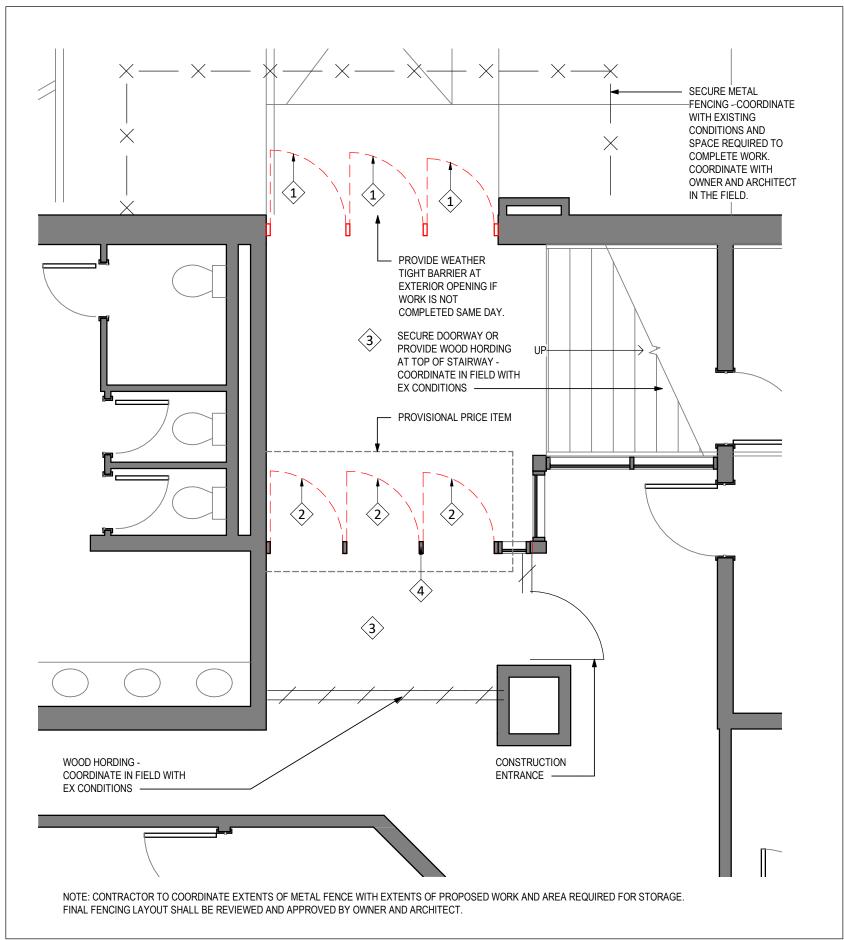
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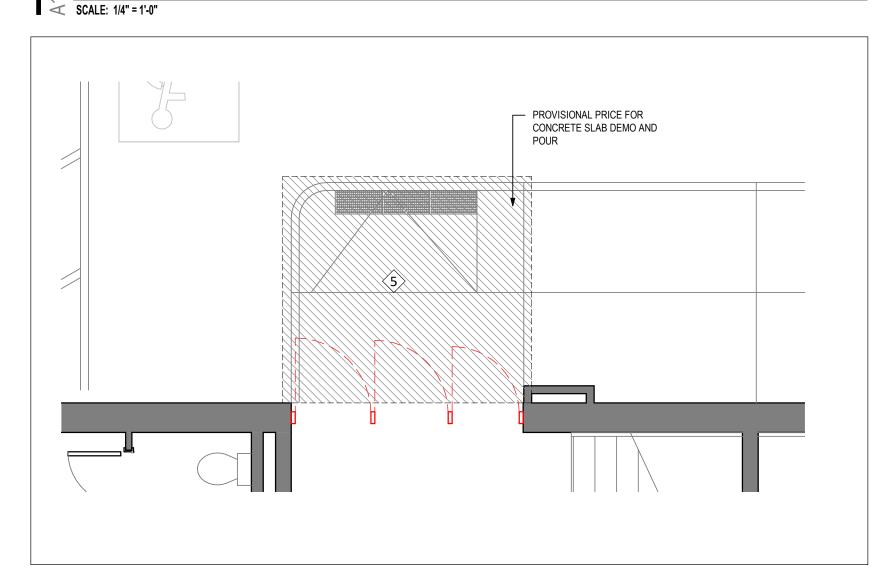
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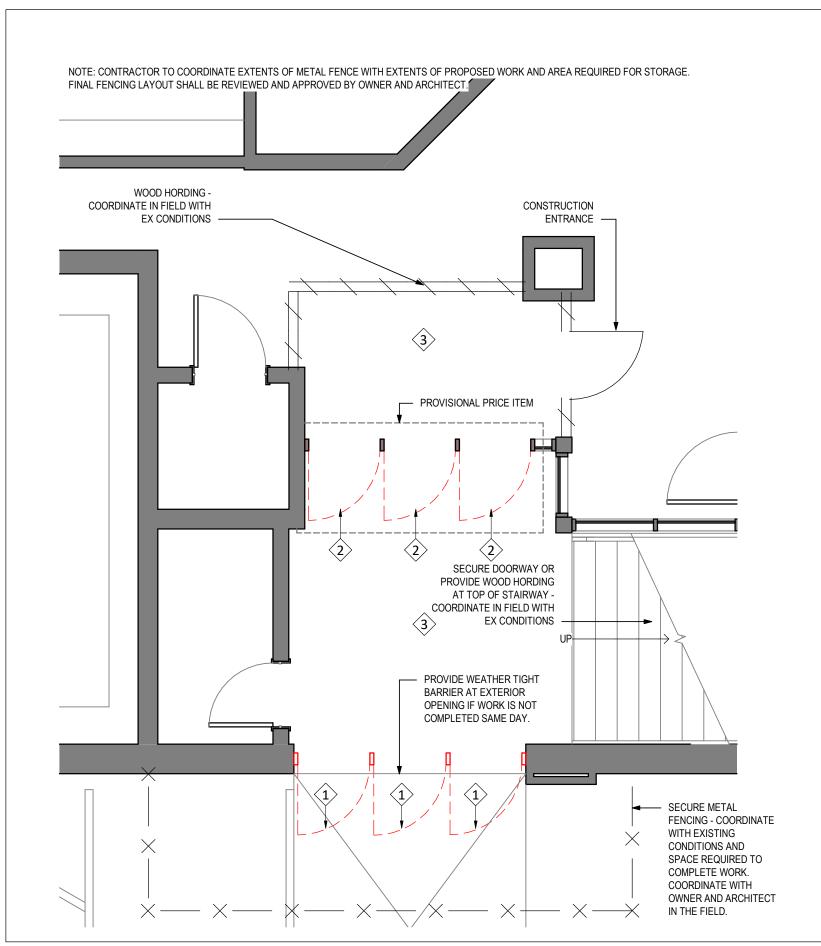
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5 HORDING AND DEMO NORTH ENTRANCE DOORS

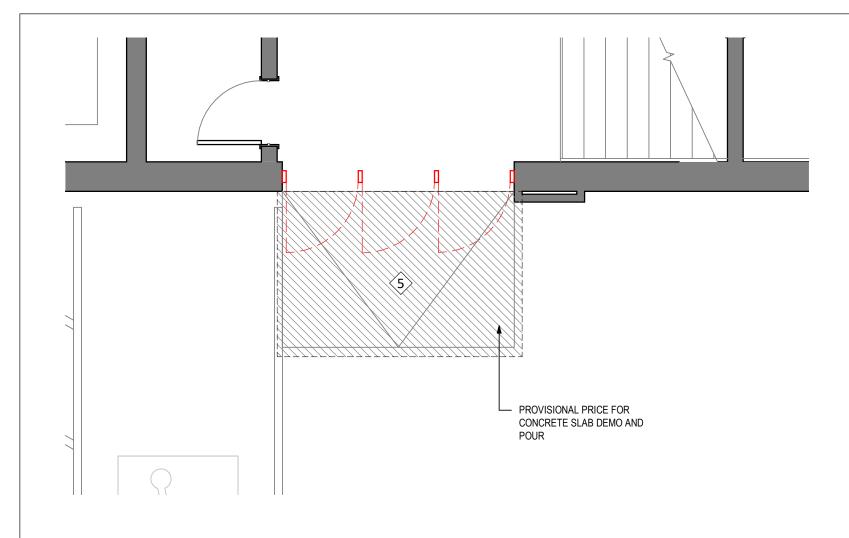


□ PROVISIONAL PRICE - HORDING AND DEMO NORTH CONCRETE SLAB



■ HORDING AND DEMO SOUTH ENTRANCE DOORS

SCALE: 1/4" = 1'-0"



PROVISIONAL PRICE - HORDING AND DEMO SOUTH CONCRETE SLAB

GENERAL DEMOLITION NOTES

- 1. REVIEW AND COORDINATE EXTENTS OF DEMOLITION WITH EXTENTS OF NEW WORK. CONTRACTOR TO REPORT ALL DISCREPANCIES TO CONSTRUCTION MANAGER / GENERAL CONTRACTOR FOR CONFIRMATIN / CLARIFICATION PRIOR TO COMMENCEMENT OF ANY DEMOLITION SCOPE.
- 2. CARRY OUT ALL DEMOLITION, REMOVAL AND DISPOSAL IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND PROVINCIAL REGULATIONS.
- 3. EXECUTE DEMOLITION IN AN ORDERLY AND CAREFUL MANNER WITH DUE CONSIDERATION FOR ADJACENT STRUCTURES AND FINISHES TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPAIR / REPLACEMENT OF ANY DAMAGE TO ITEMS TO REMAIN AT NO COST TO THE OWNER.
- 4. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO GUARD AGAINST MOVEMENT OR SETTLEMENT OF REMAINING STRUCTURE, INCLUDING ALL NECESSARY BRACING OR SHORING THAT IS REQUIRED. IF ANY MOVEMENT OR SETTLING TAKES PLACE, IMMEDIATELY STOP WORK AND CONTACT
- 5. WHEN PERFORMING CONCRETE SLAB REMOVALS AND EXCAVATIONS FOR MECHANICAL / ELECTRICAL SERVICE CONNECTIONS, CONTRACTOR SHALL TAKE CARE NOT TO UNDERMINE EXISTING BLOCK WALLS OR CONCRETE SLABS. PROVIDE TEMPORARY SHORING OR LEAN CONCRETE FILL AS REQUIRED.
- 6. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS, SPECIFICATIONS, AND / OR DEMOLITION NOTES FOR DETAILS OF SCOPE RELATED TO MECHANICAL AND ELECTRICAL DEMOLITIONS.
- 7. LOCATE AND DISCONNECT, CAP AND PLUG ALL GAS, WATER, SERVER, HYDRO, TELEPHONE AND OTHER SERVICES AS REQUIRED. REMOVE BACK TO SOURCE ALL REDUCDANT MECHANICAL / ELECTRICAL SERVICES OR FIXTURES IF NOT BEING REUSED IN NEW WORK. COORDINATE WITH OWNER FOR SERVICES TO REMAIN LIVE DURING CONSTRUCTION. PREARRANGE WITH CONSTRUCTION MANAGER / GENERAL CONTRACTOR AND OWNER PRIOR TO ANY SERVICE SHUTDOWNS.
- 8. ALL ITEMS NOT IDENTIFIED IN DRAWINGS, SPECIFICATIONS OR TAGGED BY OWNER TO REMAIN ARE TO BE REMOVED AND DISPOSED OF.
- 9. ALL WHITE BOARDS, TACK BOARDS, SHELVES, HANGERS, HOOKS, BLINDS AND OTHER SIMILAR (FITMENTS) IN EXTENTS OF DEMOLITION SCOPE TO BE REMOVED UNLESS NOTED OTHERWISE. COORDINATE WITH OWNER PRIOR TO DISPOSAL OF THESE ITEMS.

GENERAL HOARDING NOTES

- 1. CONTRACTOR TO COORDINATE EXACT LOCATION OF HOARDING IN FIELD BASED ON EXISTING CONDITIONS TO MAINTAIN BUILDING EGRESS AND BUILDING USER TRAVEL ADJACANET TO WORK AREA.
- 2. CONTRACTOR IS RESPONSIBLE TO MAINTAIN DUST CONTROL BETWEEN CONSTRUCTION AREA AND ADJACENT BUILDING AREAS THROUGHOUT ENTIREITY OF PROJECT.
- 3. ENSURE ALL HOARDING MAXIMIZES SECURITY OF CONSTRUCTION SITE AND BUILDING. BREAK-INS ARE HIGHLY LIKELY IN THIS AREA. WHENEVER POSSIBLE, COMPLETE REPLACEMENT WITHIN SAME DAY AS REMOVAL TO MAXIMIZE SITE SECURITY.

DEMOLITION NOTES

PROTECT ADJECENT CONDITIONS.

- REMOVE EXISITING DOORS AND DOOR FRAME WITH ALL ASSOCIATED HARDWARE AND DISPOSE.
- PROVISIONAL PRICE: REMOVE EXISITING DOORS WITH ALL ASSOCIATED HARDWARE. DOOR PROVISIONAL PRICE: REMOVE EARSHING DOORS.

 FRAME TO REMAIN AND MADE GOOD TO RECIEVE NEW DOORS.
- (3) EXISTING FLOOR TO REMAIN. ENSURE FLOOR IS PROTECTED FOR THE DURATION OF THE WORKS.
- 4 EXISITING MECHANICAL DUCTS AND OPENINGS IN THE FRAME TO REMAIN ABOVE. PROVIDE PROTECTION FOR THE DURATION OF THE WORKS.
- 5 PROVISIONAL PRICE: REMOVE EXISTING CONCRETE WALKWAY SLAB TO THE NEAREST EXISTING JOINT LINE OF AREA SHOWN, COMPLETE WITH ALL CAST IN PLACE ACCESSORIES. COORDINATE REMOVAL AND EXCAVATIONS WITH NEW FROST FOUNDATION AND WALKWAY.





KEY PLAN

2024.08.07 2 PERMIT & TENDER 2024.06.03 1 CLIENT REVIEW DATE ISSUED

PROJECT NAME

GALT ARENA DOORS

CITY OF CAMBRIDGE

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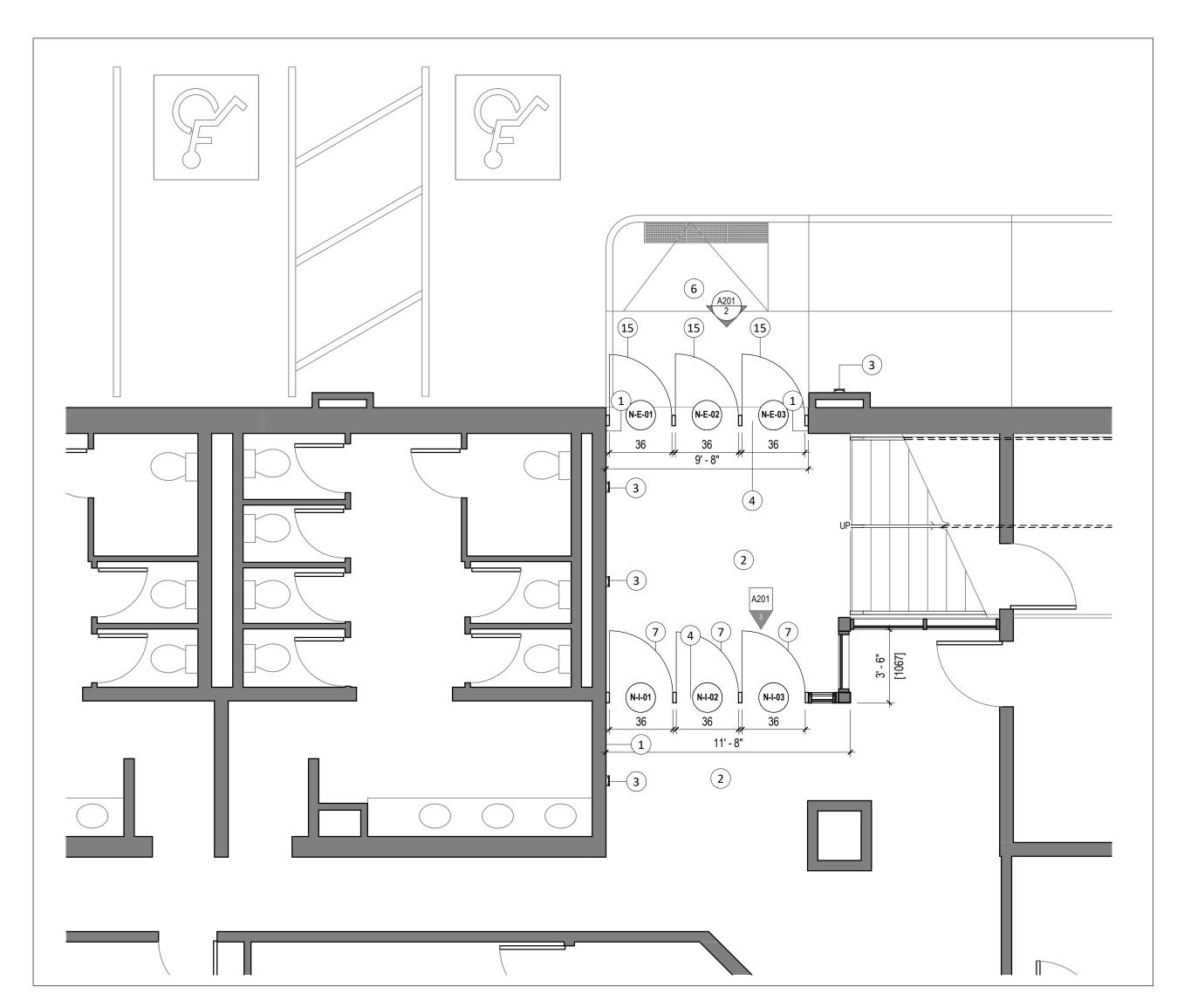
HOARDING & DEMOLITION PLANS

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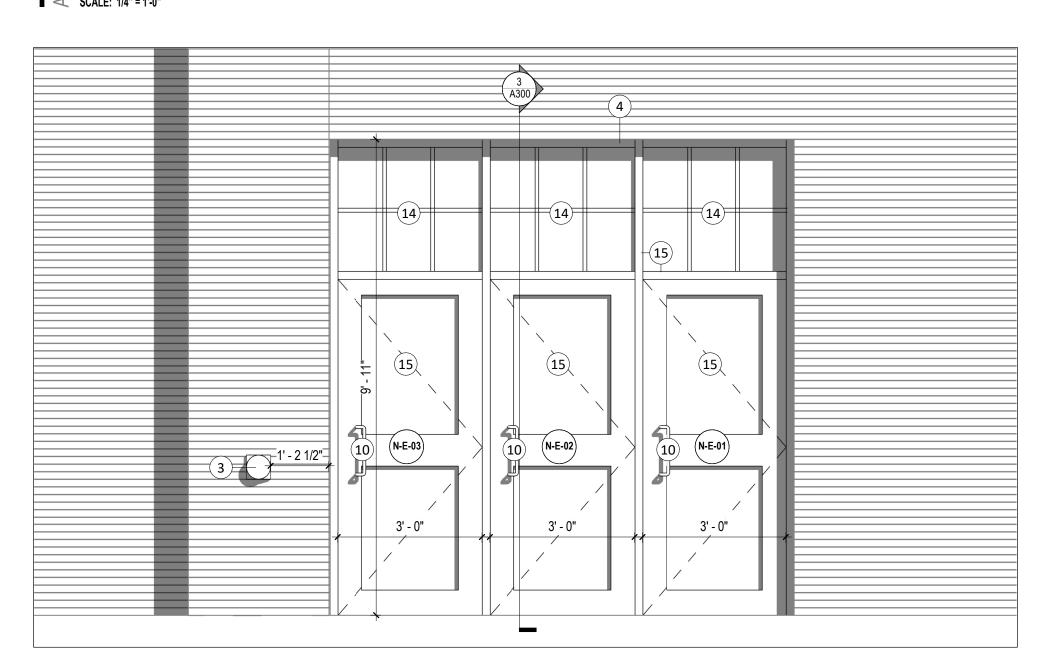
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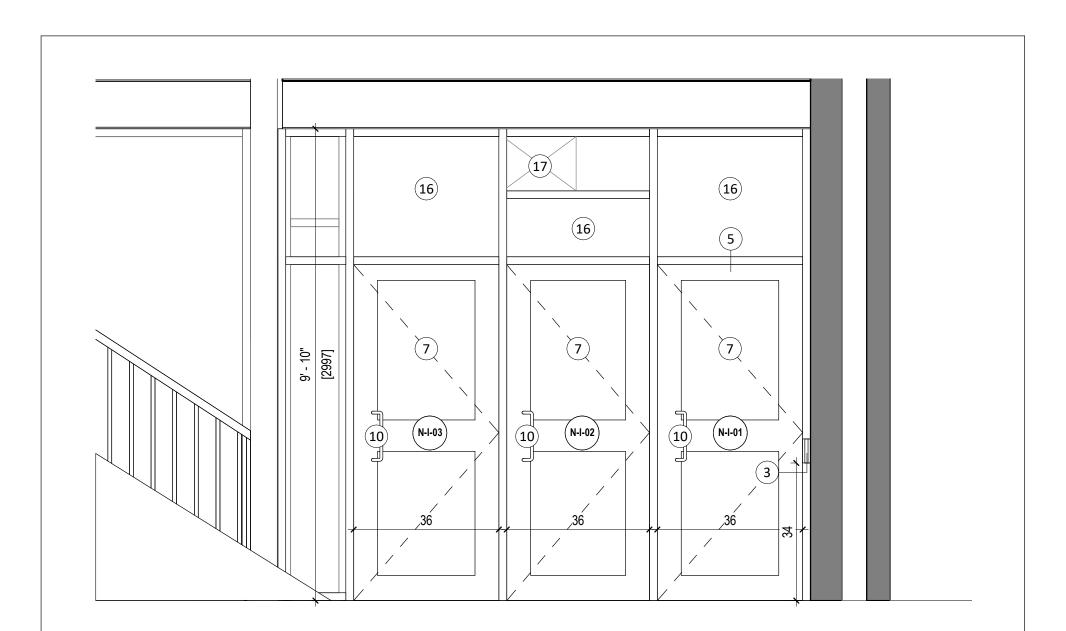
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NORTH DOORS - NEW CONSTRUCTION





NORTH ENTRANCE - INTERIOR DOOR

DOOR SCHEDULE Comments POWER OPERATED MANUAL OPERATION MANUAL OPERATION POWER OPERATED MANUAL OPERATION MANUAL OPERATION POWER OPERATED MANUAL OPERATION MANUAL OPERATION POWER OPERATED MANUAL OPERATION MANUAL OPERATION

* Table measurements in Inches * Refer to specifications for complete frame, door and door hardware specifications and schedules.

CONSTRUCTION NOTES

 $\underline{\text{NOTE}}\textsc{:}$ NOTES BELOW ARE COMPLETE FOR PROJECT. NOT ALL NUMBERS ARE PRESENT ON EVERY SHEET.

- (1) PATCH, REPAIR AND REPAINT SURFACE.
- PROTECT EXISTING FLOOR DURING COURSE OF CONSTRUCTION

ENSURE PUSH DOOR OPERATOR IS CLEAR OF DOOR FRAME.

REVIEW LOCATION PRIOR TO INSTALLATION WITH ARCHITECT ON

- SITE. MOUNTING HEIGHT: 1000 1100MM ABOVE FINISH FLOOR TO CENTER OF DEVICE. ALL HEIGHTS TO MATCH.
- PATCH AND REPAIR CEILING AND/OR HEADER AROUND AREA OF REPLACED DOORWAY. MATCH EXISTING AND MAKE GOOD.
- NEW ELECTRICAL CONDUIT SURFACE MOUNTED TO CEILING BACK TO EXISTING ELECTRICAL PANEL. PAINT TO MATCH CEILING.

 COORDINATE EXACT BATH ON OUT WITH MATCH CEILING. COORDINATE EXACT PATH ON SITE WITH EXISTING CONDITIONS. FOLLOW EXISTING BUILDING SYSTEMS DIRECTIONS AND PATHING WHENEVER POSSIBLE. REFER TO SHEET A203.
- PROVISIONAL PRICE: NEW CONCRETE WALKWAY WITH FROST SLAB TO REPLACE EXISTING CONCRETE WALKWAY. SLOPE AWAY FROM BUILDING TO SURROUNDING EXISTING GRADE TO REMAIN. REFER TO SHEET A300.
- 7 BASE BID : EXISITING DOORS, FRAMES AND HARDWARE TO REMAIN.
 PROVIDE NEW POWER DOOR OPERATOR TO ONE OF THE THREE PROVIDE NEW POWER DOOR OPERATOR TO ONE OF THE THREE INTERIOR DOORS AS INDICATED IN DOOR + HARDWARE SCHEDULES. TEST AND ENSURE NEW OPERATOR IS FULLY INTERGRATED WITH EXISTING CONDITIONS FOR PROPER OPERATION. PROVISIONAL PRICE: REPLACE INTERIOR DOORS AND HARDWARE. EXISTING FRAMES TO REMAIN. PATCH, REPAIR AND MAKE GOOD EXISTING FRAMES. COORDINATE WITH NEW WORK.
- 8 POWER PATH FOR DOOR OPERATOR TO BE RUN THROUGH ALUMINUM FRAME, FACE OF WALL UP TO EXPOSED CEILING. COORDINATE EXACT PATH ON SITE WITH EXISTING CONDITIONS AND NEAREST AVAILABLE POWER SOURCE. PROVIDE A NEW 120V 15A CIRCUIT FROM THE NEAREST ELECTRICAL PANEL UNLESS OTHERWISE AGREED TO WITH CONSULTANT. WIRING TO BE 2# 12AWG T90 CU + BOND IN SURFACE WIREMOLD WHERE EXPOSED ON WALLS AND ALUMINUM FRAMING, AND 2 #12 AC90 CABLE CU WHEN RECESSED, 2 #12 AWG T90 CU + BOND IN 16MM EMT CONDUIT TO BE USED WHEN EXPOSED IN OPEN CEILINGS AND ELECTRICAL ROOM. PROVIDE ESA INSPECTION REPORT FOR CLOSE OUT DOCUMENTATION. ALL EXPOSED CONDUIT AND WIREMOLD TO BE PAINTED TO MATCH ADJACENT SURFACE FINISH UNLESS OTHERWISE AGREED TO WITH OWNER AND CONSULTANT.
- 9 PATCH AND REPAIR ANY ADJACENT SURFACES REQUIRED TO BE TEMPORARILY REMOVED TO PROVIDE POWER TO DOOR OPERATORS. MAKE GOOD TO ORIGINAL CONDITION.
- (10) REFER TO DOOR HARDWARE SCHEDULE FOR HARDWARE TYPES.
- PROVISIONAL PRICE: ANCHOR NEW FROST SLAB FOUNDATIONS INTO EXISTING FOUNDATIONS. VERIFY IN THE FIELD. PROVIDE ENGINEERED STAMPED SHOP DRAWINGS FOR FOUNDATION DESIGN AND ANCHORAGE TO EXISTING FOUNDATION.
- PROVISIONAL PRICE: EXISTING FOUNDATION AND FOOTING TO REMAIN. PROTECT DURING COURSE OF CONSTRUCTION. VERIFY IN FIELD. ORIGINAL DRAWINGS WILL BE MADE AVAILABLE TO AWARDED PROPONENT.

DOOR LEGEND

MATERIAL WD - Wood AL - Aluminum

HM - Hollow Metal GL - Glass MDF - MDF FG - Fiber Glass

FP - Fiber Plastic CORE SC - Solid Core

HC - Honeycomb Core PSC - Polystyrene Core PUC - Polyurethane Core SSC - Steel Stiffened Core MC - Mineral Core PBC - Particleboard Core

SLWC - Structural Laminated Wood Core

FINISH PNT - Painted ST - Stained FF - Factory Finished GV - Galvanized

GLASS TSG - Tempered Safety Glass TG - Tempered Glass FRG - Fire Rated Glass PHG - Pin Hole Glass CG - Clear Glass IG - Insulated Glass

HANDLE TYPE LH - Lever

LHL - Lever lock KH - Knob KHL - Knob Lock SPH - Short Pull

SPHL - Short Pull Lock LPH - Long Pull LPHL - Long Pull Lock

APH - Architectural Pull

APHL - Architectural Pull Lock PDH - Pocket Door Hardware PDHL - Pocket Door Lock GDH - Glass Door Hardware

DOOR STOP N/A - None COS - Concealed Overhead Stop WS - Wall Stop

FS - Floor Stop

GDHL - Glass Door Lock

(13) PROVISIONAL PRICE: NEW TRUNCATED DOMES SAFETY STOPPING PLATE ON WALKWAY. MUST HAVE RAISED TACTILE PROFILES WITH HIGH TONAL CONTRAST WITH ADJACENT SURFACE, BE LOCATED AT THE BOTTOM PORTION OF THE DEPRESSED CURB THAT IS FLUSH WITH THE ROADWAY, BE SET BACK 150-200MM FROM THE CURB EDGE AND BE A MINIMUM OF 610MM IN DEPTH. WIDTH TO MATCH WIDTH OF DEPRESSED CURB. MATCH EXISTING.

(14) NEW TRANSOM WINDOW IN NEW FRAME - INSULATED GLAZING UNIT TO BE USED - REFER TO SPECIFICATIONS.PROVIDE INTERIOR MUNTINS MOUNTED BETWEEN GLASS PANES. MJUNTINS TO BE DARK BRONZE OR BLACK IN COLOR.

(16) EXISITING TRANSOM TO REMAIN.

EXISITNG MEP DUCT WORK IN THE TRANSOM TO REMAIN AND PROTETCED DURING THE COURSE OF WORKS.

PROVISIONAL PRICE: PATCH AND REPAIR EXISITING ASPHALT AND CONCRETE SURFACES ADJECENT TO NEW FROST SLABS AS REQUIERED TO MAKE GOOD.

2024.08.07 2 PERMIT & TENDER CLIENT REVIEW

ISSUED

KEY PLAN

TRUE NORTH

2024.06.03 1

DATE

PROJECT NAME

GALT ARENA DOORS

CLIENT

CITY OF CAMBRIDGE

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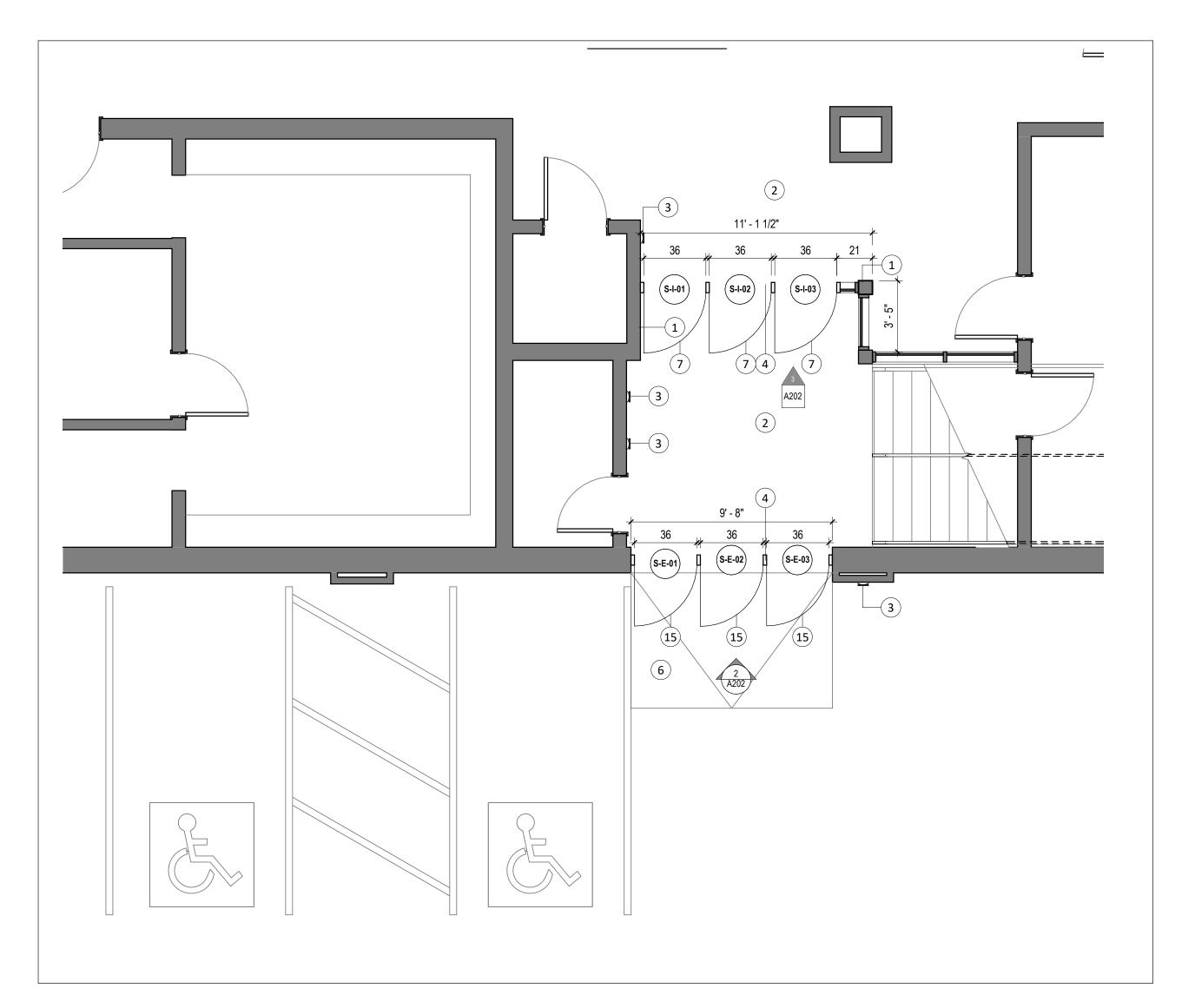
SHEET TITLE **GALT ARENA - NORTH DOORS**

PROJECT No. SNO ASSOCIATE OF S ARCHITECTS 2 Elisia Reves. ELISIA M. G. NEVES LICENCE 8599

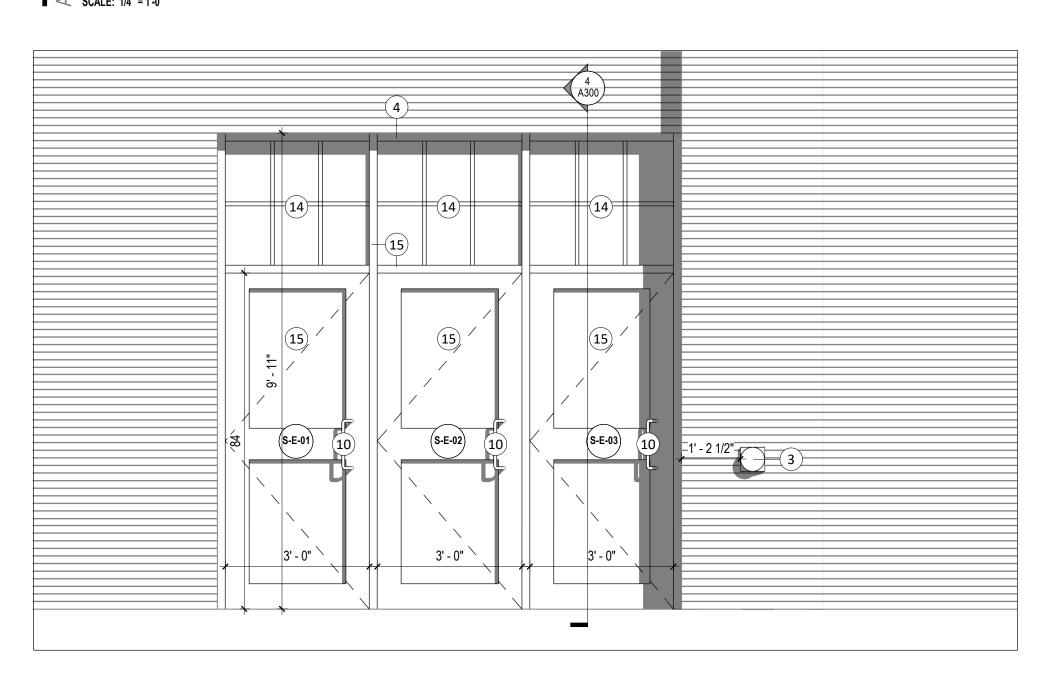
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NORTH ENTRANCE- EXTERIOR DOORS



SOUTH DOORS - NEW CONSTRUCTION





? SOUTH ENTRANCE- INTERIOR DOOR 5 SCALE: 1/2" = 1'-0"

DOOR SCHEDULE Comments POWER OPERATED MANUAL OPERATION MANUAL OPERATION POWER OPERATED MANUAL OPERATION MANUAL OPERATION POWER OPERATED MANUAL OPERATION MANUAL OPERATION POWER OPERATED MANUAL OPERATION MANUAL OPERATION

* Refer to specifications for complete frame, door and door hardware specifications and schedules.

DOOR LEGEND

MATERIAL WD - Wood AL - Aluminum HM - Hollow Metal GL - Glass MDF - MDF FG - Fiber Glass FP - Fiber Plastic

> CORE SC - Solid Core HC - Honeycomb Core PSC - Polystyrene Core PUC - Polyurethane Core SSC - Steel Stiffened Core MC - Mineral Core PBC - Particleboard Core

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DOOR STOP N/A - None COS - Concealed Overhead Stop WS - Wall Stop FS - Floor Stop

CONSTRUCTION NOTES

 $\underline{\text{NOTE}}\textsc{:}$ NOTES BELOW ARE COMPLETE FOR PROJECT. NOT ALL NUMBERS ARE PRESENT ON EVERY SHEET.

- (1) PATCH, REPAIR AND REPAINT SURFACE.
- (2) PROTECT EXISTING FLOOR DURING COURSE OF CONSTRUCTION
- ENSURE PUSH DOOR OPERATOR IS CLEAR OF DOOR FRAME. REVIEW LOCATION PRIOR TO INSTALLATION WITH ARCHITECT ON SITE. MOUNTING HEIGHT: 1000 - 1100MM ABOVE FINISH FLOOR TO CENTER OF DEVICE. ALL HEIGHTS TO MATCH.
- REPLACED DOORWAY. MATCH EXISTING AND MAKE GOOD.
- NEW ELECTRICAL CONDUIT SURFACE MOUNTED TO CEILING BACK

 NEW THERMAL ALUMINIUM DOORS + NEW FRAME WITHJ NEW TO EXISTING ELECTRICAL PANEL. PAINT TO MATCH CEILING. COORDINATE EXACT PATH ON SITE WITH EXISTING CONDITIONS. COORDINATE EXACT PATH ON SITE WITH EXISTING CONDITIONS.

 FOLLOW EXISTING BUILDING SYSTEMS DIRECTIONS AND PATHING

 (16) EXISITING TRANSOM TO REMAIN.
- 6 PROVISIONAL PRICE: NEW CONCRETE WALKWAY WITH FROST SLAB TO REPLACE EXISTING CONCRETE WALKWAY. SLOPE AWAY FROM BUILDING TO SURROUNDING EXISTING GRADE TO REMAIN. REFER TO SHEET A300.
- 7 BASE BID: EXISITING DOORS, FRAMES AND HARDWARE TO REMAIN. PROVIDE NEW POWER DOOR OPERATOR TO ONE OF THE THREE INTERIOR DOORS AS INDICATED IN DOOR + HARDWARE SCHEDULES. TEST AND ENSURE NEW OPERATOR IS FULLY INTERGRATED WITH EXISTING CONDITIONS FOR PROPER OPERATION. PROVISIONAL PRICE: REPLACE INTERIOR DOORS AND HARDWARE. EXISTING FRAMES TO REMAIN. PATCH, REPAIR AND MAKE GOOD EXISTING FRAMES. COORDINATE WITH NEW WORK.
- 8 POWER PATH FOR DOOR OPERATOR TO BE RUN THROUGH ALUMINUM FRAME, FACE OF WALL UP TO EXPOSED CEILING. COORDINATE EXACT PATH ON SITE WITH EXISTING CONDITIONS AND NEAREST AVAILABLE POWER SOURCE. PROVIDE A NEW 120V 15A CIRCUIT FROM THE NEAREST ELECTRICAL PANEL UNLESS OTHERWISE AGREED TO WITH CONSULTANT. WIRING TO BE 2# 12AWG T90 CU + BOND IN SURFACE WIREMOLD WHERE EXPOSED ON WALLS AND ALUMINUM FRAMING, AND 2 #12 AC90 CABLE CU WHEN RECESSED, 2 #12 AWG T90 CU + BOND IN 16MM EMT CONDUIT TO BE USED WHEN EXPOSED IN OPEN CEILINGS AND ELECTRICAL ROOM. PROVIDE ESA INSPECTION REPORT FOR CLOSE OUT DOCUMENTATION. ALL EXPOSED CONDUIT AND WIREMOLD TO BE PAINTED TO MATCH ADJACENT SURFACE FINISH UNLESS OTHERWISE AGREED TO WITH OWNER AND CONSULTANT.
- 9 PATCH AND REPAIR ANY ADJACENT SURFACES REQUIRED TO BE TEMPORARILY REMOVED TO PROVIDE POWER TO DOOR OPERATORS. MAKE GOOD TO ORIGINAL CONDITION.
- (10) REFER TO DOOR HARDWARE SCHEDULE FOR HARDWARE TYPES.
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TRUE NORTH

2024.08.07 2 PERMIT & TENDER

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2024.06.03 | 1 | CLIENT REVIEW

DATE

PROJECT NAME

GALT ARENA DOORS

CITY OF CAMBRIDGE

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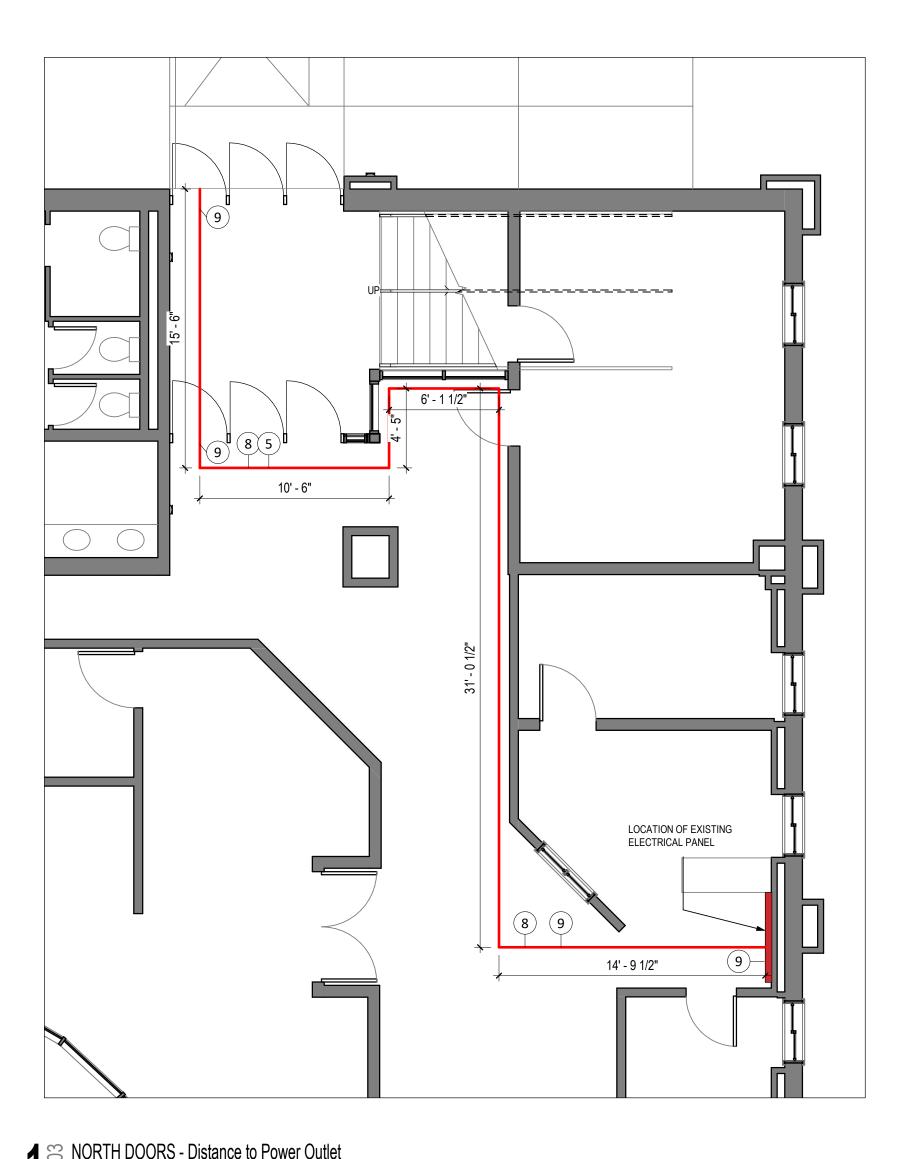
GALT ARENA - SOUTH DOORS

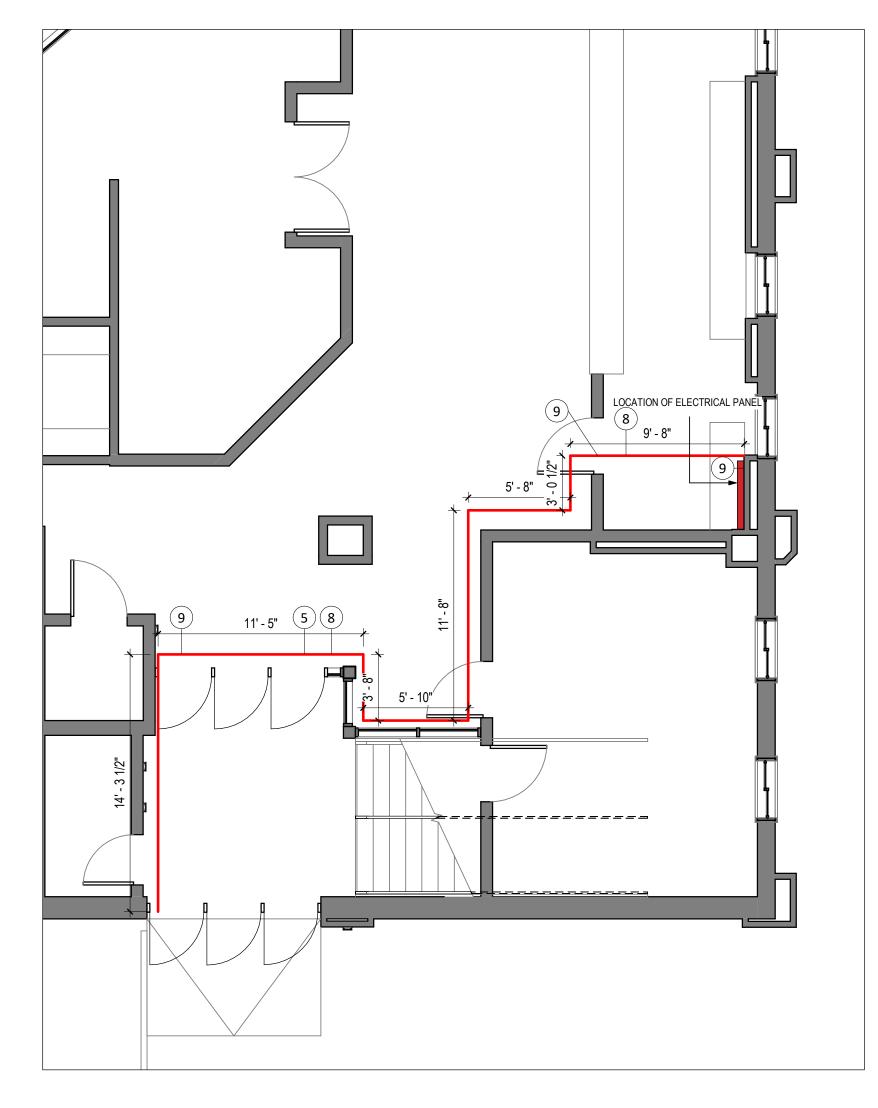
PROJECT No. NO ASSOCIATE O ARCHITECTS 2 Elisia Reves. ELISIA M. G. NEVES LICENCE 8599

24011 SCALE As indicated DRAWN By: CHECKED By:

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SOUTH ENTRANCE - EXTERIOR DOORS





GENERAL ELECTRICAL NOTES

- 1. THE CANADIAN STANDARD FORM OF CONSTRUCTION CONTRACT AND GENERAL CONDITIONS GOVERINING THE SAME CCDC PARTS 1 TO 12 INCLUSIVE
- ARE HEREBY MADE PART OF THIS SPECIFICATION. 2. ALL WORK SHALL BE IN FULL ACCORDANCE WITHT EH REQUIREMENTS OF THE 2018 ONTARIO ELECTRICAL SAFETY CODE, ELECTRICAL SAFETY
- AUTHORITY (ESA), AND THE LOCAL BUILDING INSPECTION DEPARTMENT REQUIREMENTS. 3. ELECTRICAL CONTRACTOR SHALL INCLUDE FOR ESA INSPECTION FEES.

ALLOWING FOR AFTER HOURS, WEEKEND AND HOLIDAY LABOUR REQUIREMENTS.

- 4. THIS CONTRACTOR SHALL MAINTAIN LIABILITY INSURFANCE AS REQUIRED.
- 5. ALL WORKMANSHIP SHALL BE EXECUTED TO A STANDARD DETERMINED BY GOOD PRACTICE. THE ELECTRICAL CONTRACTOR SHALL GUARANTEE THE EQUIPMENT & INSTALLATION FOR ONE YEAR FROM SUBSTANTIAL COMPLETION.
- THE ELECTRICAL CONTRACTOR SHALL SUBMIT ONE SET OF ELECTRONIC PDF SHOP DRAWINGS TO THE ARCHITECT FOR REVEIW. MATERIALS SHALL
- NOT BE ORDERED UNTIL REVIEW HAS BEEN COMPLETED. APPROVAL IS FOR GENERAL DESIGN COMPLIANCE ONLY. 7. ALL MATERIAL AND EQUIPMENT USED ON THIS PROJECT SHALL BE SA APPROVED, ESA FIELD EVALUATED, OR MUST BEAR AN ESSA RECOGNIZED
- 8. CUTTING AND PATCHING FOR ELECTRICAL WORK SHALL BE DONE BY THE GENERAL CONTRACTOR AT THE ELECTRICAL CONTRACTOR'S EXPENSE. . THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE EXISTING CONDITIONS AND THEN MAKE NECESSARY ALLOWANCES IN THEIR TENDER PRICE FOR REMOVAL, RELOCATION, REROUTING AND/OR RECONNECTION OF EXISTING ELECTRICAL EQUIPMENT AND WIRING, AS MAY BE NECESSARY FOR THE EXECUTION AND COMPLETION OF THIS PROJECT. EXTRA CHARGES FOR PREMIUM TIME LABOUR SHALL BE INCLUDED IN THE TENDER PRICE,
- 10. THE DRAWINGS AND SPECIFICATIONS SHALL BE READ IN CONJUNCTION WITH THE ARHCITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS.
- ANY DISCREPANCIES OR CONTRADICITIONS SHALL BE BROUGHT TO THE CONSULTANT'S ATTENTION. 11. TENDER SHALL BE BASED UPON THE SPECIFIED EQUIPMENT AND MATERIAL. REQUESTS FOR CONSIDERATION OF ALTERNATES TO THE SPECIFIED MATERIALS SHALL BE MADE TO THE CONSULTANT ONE WEEK PRIOR TO TENDER CLOSING AND SHALL INCLUDE MANUFACTURER, MODEL, AND COST
- MODICIATION. COSTS OF ANY CHANGE REQUIRED TO OTHER RADES AS A RESULT OF USING ALTERANTE EQUIPMENT ARE TO BE INCURRED BY THE ELECTRICAL CONTRACTOR.
- 12. ALL CLAIMS FOR EXTRA WORK NOT COVERED IN THE CONTRACT TO BE SUBMITTED WITH A COMPLETE BREAKDOWN OF MATERIALS AND LABOUR. 13. DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS ARE TO BE TAKEN FROM THE ARCHITECTURAL DRAWINGS AND CONFIRMED ON SITE. 14. PROVIDE FIRE STOPPING PROTECTION FOR OPENINS THROUGH ALL FIRE RATED ASSEMBLIES. ULC LISTED ASSEMBLY NUMBERS ARE TO BE USED.

ELECTRICAL EQUIPMENT, DEVICES & MATERIALS

- 1. ALL EQUIPMENT, DEVICES & MATERIAL TO BE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS. 2. ALL BRANCH CIRCUIT WIRING SHALL BE RUN IN ELECTRICAL METALLIC TUBING (EMT) OR FLEXIBLE ARMOURED
- CABLE (AC90) RECESSED IN WALLS OR CEILINGS EXCEPT WHERE SPECIFICALLY NOTED ON THE PLANS. ALL WIRING TO BE COPPER AND MINIMUM #12 AWG UNLESS STATED OTHERWISE. 3. ALL SURFACE WIRING SHALL BE T90/RW90 COPPER IN SURFACE WIREMOLD PAINTED TO MATCH WALL WHERE
- WIRING AND CONDUIT CANNOT BE RECESSED. 4. ALL JUNCTION AND PULLING BOXES ARE TO BE ACCESSIBLE AND BE PROVIDED WITH SCREWED PLATES COLOUR
- MATCHED TO ADJACENT WALL OR CEILING FINISHES. 5. PULL BOXES SHALL BE PROVIDED EVERY 30M AND EVERY THREE 90 DEGREE BENDS.
- 6. ALL WIRING SHALL BE PARALLEL WITH ARCHITECTURAL LINES AND DESIGN. 7. ALL JUNCTION AND PULLING BOXES ARE TO BE ACCESSIBLE AND BE PROVIDED WITH SCREWED PLATES COLOUR
- MATCHED TO ADJACENT WALL OR CEILING FINISHES. 8. PULL BOXES SHALL BE PROVIDED EVERY 30M AND EVERY THREE 90 DEGREE BENDS.
- 9. ALL NEW SWITCH AND RECETACLE DEVICES AND PLATES SHALL MATCH ADJ. EXISTING COVER PLATES TO REMAIN. ALL DEVICES TO BE COMMERCIAL GRADE DECORA SERIES OR EQUAL UNLESS OTHERWISE STATED. 10. DO NOT MOUNT WALL OUTLETS BAKC TO BACK IN WALLS, STRAGGER TO PREVENT SOUND TRANSFER.
- AND T90 WIRING IN EMT CONDUIT BACK TO SOURCE PANEL. 12. ALL CONDUITS TO BE SECURELY FASTENED WITH APPROVED CLIPS AND SCREWS. NAILS OR TIE WIRES ARE NO

11. WIRING TO FIXTURES IN SUSPENDED CEILINGS IS TO CONSIST OF AC90 'DROPS' WITH A MAXIMUM LENGTH OF 4.5M

- 13. ALL ELECTRICAL EQUIPMENT, DEVICES, AND WIRING ARE TO BE INDEPENDENTLY SUPPORTED. KEEP CLEAR OF
- MECHANICAL PIPING WHERE POSSIBLE. 14. WIRING FOR MECHANICAL EQUIPMENT SHALL BE AS DETAILED ON THE PLANS.

ELECTRICAL EXISTING CONDITIONS & DEMOLITION

- 1. ELECTRICAL WORK AFFECTING OTHER TENANTS SHALL BE PERFORMEND AFTER BUSINESS HOURS (EVENINGS AND WEEKENDS). COORDINATE WITH THE CITY. 2. SERVICE AND DISTRIBUTION SYSTEM POWER INTERRUPTIONS SHALL BE EKPT TO A MINIMUM. POWER INTERRUPTIONS MUST BE COORDINATED WITH THE OWNER AND ALL OTHER TRADES BY THIS CONTRACTOR, WRITTEN APPROVAL FOR ELECTRICAL INTERRUPTIONS MUST BE RECIEVED FROM THE OWNER. INDICIATING THE DATE, TIME AND ESTIMATED DURATION OF THE INTERRUPTION. APPLICATION FOR APPROVAL OF THE POWER INTERRUPTIONS MUST BE SUBMITTED TO THE OWNERS AND/OR ARCHITECTS AT LEAST TWO WEEKS PRIOR TO THE REQUESTED SHUTDOWN DATE. 3. EXISTING ELECTRICAL EQUIPMENT, REMOVED AND INDICATED FOR REUSE, SHALL BE CLEANED BEFORE RE-INSTALLATION.
- WIRING LOCATED IN AREAS BEING ALTERED OR DEMOLISHED, BUT FEEDING OUTLETS OR EQUIPMENT REQUIRED TO REMAIN IN SERVICE, MUST BE REWORKED IN ORDER TO MAINTAIN THE CONTINUITY OF THE EXISTING WIRING.
- 5. REPAIRS TO EXISTING WALLS, FLOOR AND CEILINGS ARE TO BE PERFORMED BY THE GENERAL CONTRACTOR TO MEET THE EXISTING CONDITIONS. 6. SEQUENCE OF REMOVAL AND RELOCATION OF EXISTING EQUIPMENT AND WIRING SHALL BE COORDINATED WITH THE OTHER TRADES AND SHALL CONFORM TO
- THE REQUIREMENTS AND CONDITIONS OUTLINED. 7. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO EXISTING WIRING AND EQUIPMENT THROUGHOUT THE PROJECT, PARTICULARLY WHERE WIRING AND ELECTRICAL EQUIPMENT HAVE BECOME EXPOSED TO MECHANICAL DAMAGE OR MOISTURE IN THE COURSE OF ALTNERATIONS OR NEW CONSTRUCTION.
- 8. NEW OUTLETS AND EQUIPMENT SHOWN IN THE SAME LOCATION AS EXISTING OUTLETS MAY BE FED THROUGH THE EXISTING CONDUITS / WIRING, PROVIDED THAT THEY ARE IN GOOD CONDITION AND ARE ACCEPTABLE TO THE ESA INSPECTION DEPARTMENT.
- 9. ALL EXISTING ELECTRICAL EQUIPMENT, WIRING AND ROUGH-IN DEVICES ARE TO BE REMOVED COMPLETE TO SUIT THE DEMOLITION AND RENOVATION OF THE SPACES. ALL EXISTING ELECTRICAL EQUIPMENT, NOT BEING REUSED, SHALL BECOME THE PROPERTY OF THE OWNER. ELECTRICAL CONTRACTOR SHALL
- PROPERLY DISPOSE OF EQUIPMENT NOT DESIRED BY OWNER. 10. ALL DEVICES AND EQUIPMENT MADE OBSOLETE SHALL BE REMOVED FROM THE CONSTRUCTION SITE. 11. EXISTING PANELS ARE BELIEVED TO BE FEDERAL PIONEER NBLP TYPE. VERIFY IN FIELD TO CONFIRM. FIELD VERIY PANELBOARD OPENINGS, CIRCUIT
- BREAKERS. REWORK AND/OR ADD AS REQUIRED FOR NEW POWER DOOR OPERATOR CONNECTIONS. UPDATE PANEL SCHEDULES TO SUIT.
- 12. PROVIDE ALL ACCESSORIES AND COMPONENTS AS REQUIRED FOR COMPLETE INSTALLATION (TYP.)

CONSTRUCTION NOTES

NOTE: NOTES BELOW ARE COMPLETE FOR PROJECT. NOT ALL NUMBERS ARE PRESENT ON EVERY SHEET.

- (1) PATCH, REPAIR AND REPAINT SURFACE.
- (2) PROTECT EXISTING FLOOR DURING COURSE OF CONSTRUCTION
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- PATCH AND REPAIR CEILING AND/OR HEADER AROUND AREA OF REPLACED DOORWAY. MATCH EXISTING AND MAKE GOOD.
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 15 NEW THERMAL ALUMINIUM DOORS + NEW FRAME WITHJ NEW TO EXISTING ELECTRICAL PANEL. PAINT TO MATCH CEILING. COORDINATE EXACT PATH ON SITE WITH EXISTING CONDITIONS. FOLLOW EXISTING BUILDING SYSTEMS DIRECTIONS AND PATHING

 (16) EXISITING TRANSOM TO REMAIN. WHENEVER POSSIBLE. REFER TO SHEET A203.
- (6) PROVISIONAL PRICE: NEW CONCRETE WALKWAY WITH FROST SLAB TO REPLACE EXISTING CONCRETE WALKWAY. SLOPE AWAY FROM BUILDING TO SURROUNDING EXISTING GRADE TO REMAIN. REFER TO SHEET A300.
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GLAZING. REFER TO SPECIFICATIONS AND SCHEDULES.

- EXISITING MEP DUCT WORK IN THE TRANSOM TO REMAIN AND PROTETCED DURING THE COURSE OF WORKS.

OWNERS WITHIN 30 DAYS OF SYSTEM

CONTROLS AND CIRCUITING.

ACCEPTANCE. DRAWINGS ARE TO INCLUDE SINGLE

LINE DIAGRAM OF DISTRIBUTION SYSTEM; FLOOR

PLANS SHOWING THE LOCATION OF DISTRIBUTION

EQUIPMENT AND THE AREAS SERVED BY THAT

EQUIPMENT; CHANGES TO LIGHTING, LIGHTING

(18) PROVISIONAL PRICE: PATCH AND REPAIR EXISITING ASPHALT AND CONCRETE SURFACES ADJECENT TO NEW FROST SLABS AS REQUIERED TO MAKE GOOD.

ELECTRICAL CLOSE OUT CITY OF CAMBRIDGE 1. SUBMIT ESA CERTIFICATE OF INSPECTIONS. 2. ELECTRICAL CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF ACTUAL INSTALLATION TO

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PROJECT NAME

GALT ARENA DOORS

KEY PLAN

2024.08.07 2 PERMIT & TENDER

CLIENT REVIEW

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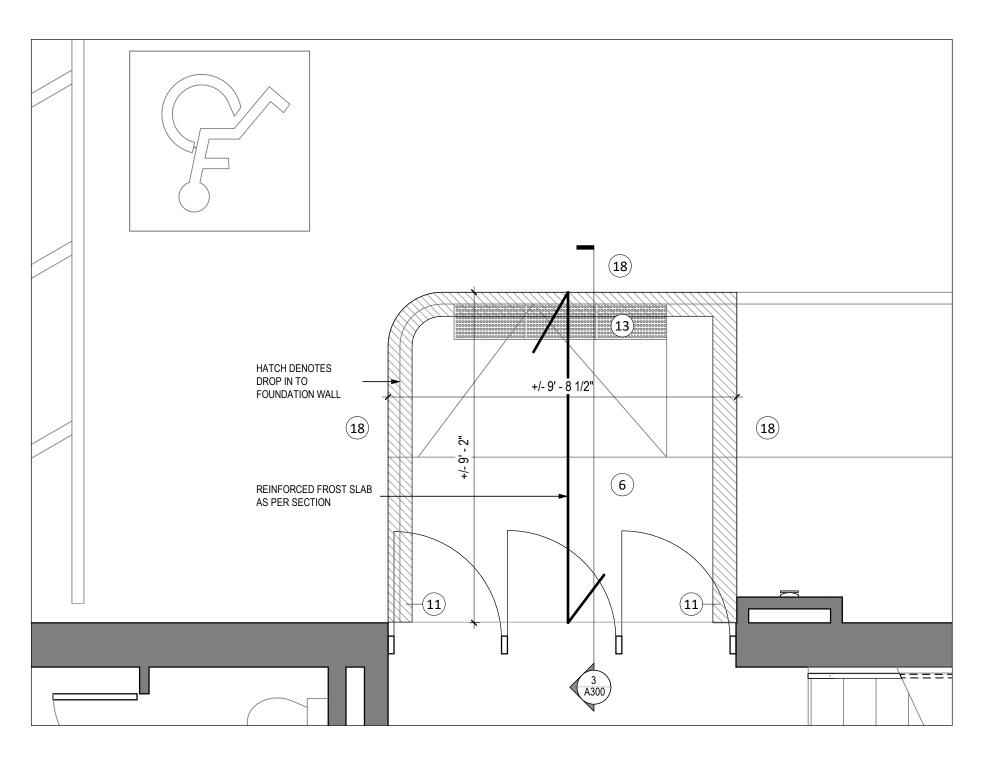
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DOORS ELECTRICAL **PATHWAY**

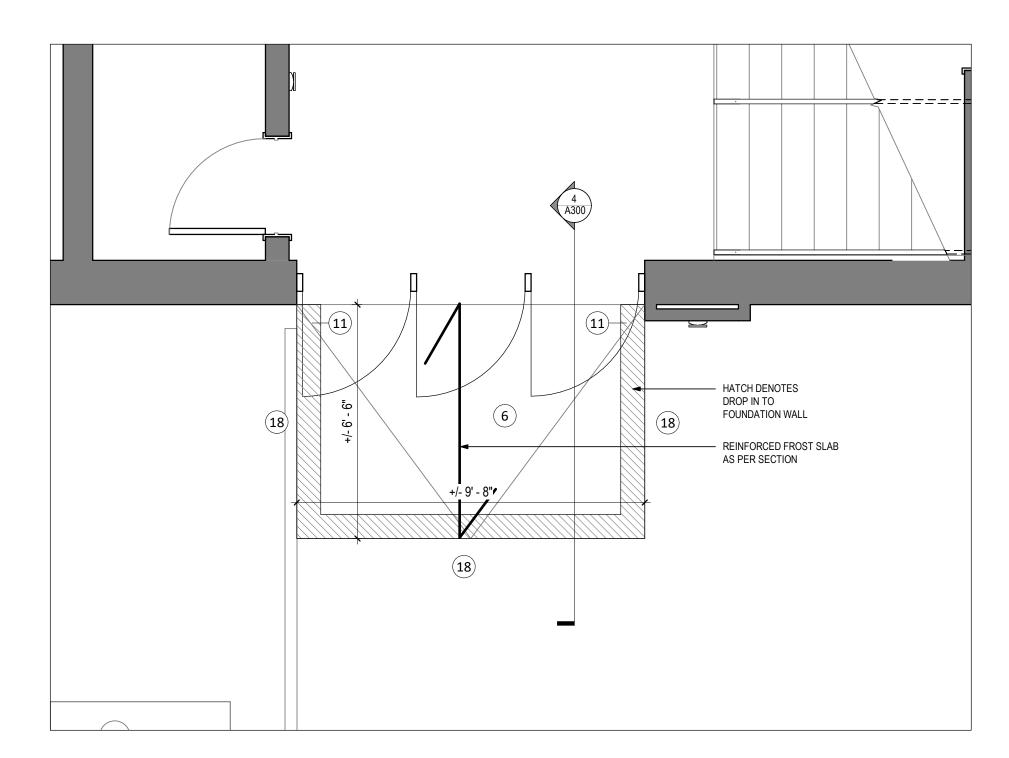
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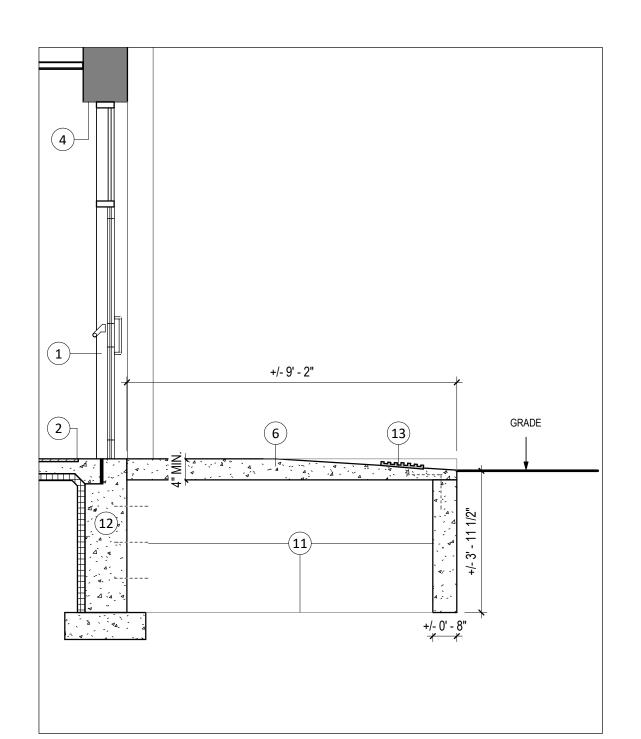
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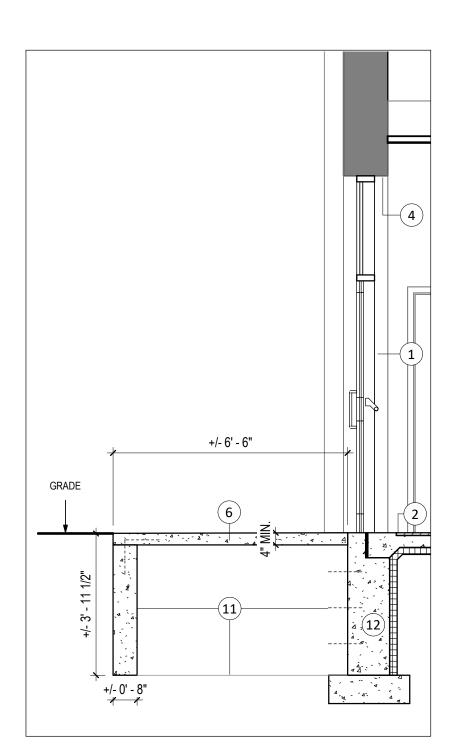
■ NORTH DOORS - NEW CONCRETE SLAB



2 SOUTH DOORS - NEW CONCRETE SLAB SCALE: 3/8" = 1'-0"



→ S CONCRETE SLAB SECTION - NORTH DOORS SCALE: 3/8" = 1'-0"



CONCRETE SLAB SECTION - SOUTH DOORS

SCALE: 3/8" = 1'-0"

CONSTRUCTION NOTES

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- PATCH AND REPAIR CEILING AND/OR HEADER AROUND AREA OF REPLACED DOORWAY. MATCH EXISTING AND MAKE GOOD.
- NEW ELECTRICAL CONDUIT SURFACE MOUNTED TO CEILING BACK
 TO EXISTING ELECTRICAL PANEL PANEL PANEL PANEL CHARGON OF THE PANEL PAN TO EXISTING ELECTRICAL PANEL. PAINT TO MATCH CEILING. COORDINATE EXACT PATH ON SITE WITH EXISTING CONDITIONS. FOLLOW EXISTING BUILDING SYSTEMS DIRECTIONS AND PATHING WHENEVER POSSIBLE. REFER TO SHEET A203.
- 6 PROVISIONAL PRICE: NEW CONCRETE WALKWAY WITH FROST SLAB TO REPLACE EXISTING CONCRETE WALKWAY. SLOPE AWAY FROM BUILDING TO SURROUNDING EXISTING GRADE TO REMAIN. REFER TO SHEET A300.
- 7 BASE BID: EXISITING DOORS, FRAMES AND HARDWARE TO REMAIN. PROVIDE NEW POWER DOOR OPERATOR TO ONE OF THE THREE INTERIOR DOORS AS INDICATED IN DOOR + HARDWARE SCHEDULES. TEST AND ENSURE NEW OPERATOR IS FULLY INTERGRATED WITH EXISTING CONDITIONS FOR PROPER OPERATION. PROVISIONAL PRICE: REPLACE INTERIOR DOORS AND HARDWARE. EXISTING FRAMES TO REMAIN. PATCH, REPAIR AND MAKE GOOD EXISTING FRAMES. COORDINATE WITH NEW WORK.
- 8 POWER PATH FOR DOOR OPERATOR TO BE RUN THROUGH ALUMINUM FRAME, FACE OF WALL UP TO EXPOSED CEILING. COORDINATE EXACT PATH ON SITE WITH EXISTING CONDITIONS AND NEAREST AVAILABLE POWER SOURCE. PROVIDE A NEW 120V 15A CIRCUIT FROM THE NEAREST ELECTRICAL PANEL UNLESS OTHERWISE AGREED TO WITH CONSULTANT. WIRING TO BE 2# 12AWG T90 CU + BOND IN SURFACE WIREMOLD WHERE EXPOSED ON WALLS AND ALUMINUM FRAMING, AND 2 #12 AC90 CABLE CU WHEN RECESSED, 2 #12 AWG T90 CU + BOND IN 16MM EMT CONDUIT TO BE USED WHEN EXPOSED IN OPEN CEILINGS AND ELECTRICAL ROOM. PROVIDE ESA INSPECTION REPORT FOR CLOSE OUT DOCUMENTATION. ALL EXPOSED CONDUIT AND WIREMOLD TO BE PAINTED TO MATCH ADJACENT SURFACE FINISH UNLESS OTHERWISE AGREED TO WITH OWNER AND CONSULTANT.
- (9) PATCH AND REPAIR ANY ADJACENT SURFACES REQUIRED TO BE TEMPORARILY REMOVED TO PROVIDE POWER TO DOOR OPERATORS. MAKE GOOD TO ORIGINAL CONDITION.
- (10) REFER TO DOOR HARDWARE SCHEDULE FOR HARDWARE TYPES.
- PROVISIONAL PRICE: ANCHOR NEW FROST SLAB FOUNDATIONS INTO EXISTING FOUNDATIONS. VERIFY IN THE FIELD. PROVIDE ENGINEERED STAMPED SHOP DRAWINGS FOR FOUNDATION DESIGN AND ANCHORAGE TO EXISTING FOUNDATION.
- (12) PROVISIONAL PRICE: EXISTING FOUNDATION AND FOOTING TO REMAIN. PROTECT DURING COURSE OF CONSTRUCTION. VERIFY IN FIELD. ORIGINAL DRAWINGS WILL BE MADE AVAILABLE TO AWARDED PROPONENT.



AT THE BOTTOM PORTION OF THE DEPRESSED CURB THAT IS FLUSH WITH THE ROADWAY, BE SET BACK 150-200MM FROM THE CURB EDGE AND BE A MINIMUM OF 610MM IN DEPTH. WIDTH TO MATCH WIDTH OF DEPRESSED CURB. MATCH EXISTING.

HIGH TONAL CONTRAST WITH ADJACENT SURFACE, BE LOCATED

- (14) NEW TRANSOM WINDOW IN NEW FRAME INSULATED GLAZING UNIT TO BE USED - REFER TO SPECIFICATIONS.PROVIDE INTERIOR MUNTINS MOUNTED BETWEEN GLASS PANES. MJUNTINS TO BE DARK BRONZE OR BLACK IN COLOR.
- (16) EXISITING TRANSOM TO REMAIN.
- EXISITNG MEP DUCT WORK IN THE TRANSOM TO REMAIN AND PROTETCED DURING THE COURSE OF WORKS.
- (18) PROVISIONAL PRICE: PATCH AND REPAIR EXISITING ASPHALT AND CONCRETE SURFACES ADJECENT TO NEW FROST SLABS AS REQUIERED TO MAKE GOOD.





KEY PLAN

2024.08.07 2 PERMIT & TENDER 2024.06.03 | 1 | CLIENT REVIEW DATE ISSUED

PROJECT NAME

GALT ARENA DOORS

CITY OF CAMBRIDGE

www.fabrikarchitects.ca 58 Grand Avenue South, Unit 201, Cambridge ON, N1S 0B7 T. 519-743-0608 | info@fabrikarchitects.ca



The contractor shall check and verify all dimensions and report any errors or omissions to the consultant before commencing or proceeding with any work. Drawings prepared and issued by consultant are the property of the consultant. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing.

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SHEET TITLE **PROVISIONAL PRICE -CONCRETE ENTRY SLAB**

PROJECT No. **24011** SCALE S ARCHITECTS 2 Elisia Reves. ELISIA M. G. NEVES LICENCE 8599

DRAWN By: CHECKED By: A300 2024-08-07 1:28:37 PM

SECTION 01 10 00 - SUMMARY OF WORK

COMPLEMENTARY DOCUMENTS

- 1. Drawings, specifications, and schedules are complementary each to the other and what is called for by one to be binding as if called for by all. Should any discrepancy appear between documents which leave doubt as to the intent or meaning, abide by Precedence of Documents article below and obtain direction from the Consultant.
- Drawings indicate general location and route of conduit and wire/conductors. Install conduit or wiring/conductors and plumbing piping not shown or indicated diagrammatically in schematic
- or riser diagrams to provide an operational assembly or system. Install components to physically conserve headroom, to minimize furring spaces, or
- obstructions. Locate devices with primary regard for convenience of operation and usage.
- Examine all discipline drawings, specifications, and schedules and related Work to ensure that Work can be satisfactorily executed. Conflicts or additional work beyond work described to be brought to attention of Consultant.

DESCRIPTION OF THE WORK

- Work of this Contract comprises replacement of exterior and interior vestibule door frames doors, hardware and transom windows located at 98 Shade Street, Cambridge, Ontario, N1R 4J8: and identified as Galt Arena and Galt Arena Gardens.
- Work includes but is not limited to demolition of existing door frames, doors and transom windows. New doors, door frames, door hardware and transoms to be a 1 for 1 replacement. Work also includes addition of power door operators to increase accessibility at each entrance.
- Asbestos Abatement is not anticipated for this project. Building Re-assessment report is available through the City for reference if requested 4. Division of the Work among Subcontractors and suppliers/vendors is solely the Contractor's
- responsibility. Neither the Owner nor Consultant assumes any responsibility to act as an arbiter to establish subcontract terms between sectors or disciplines of work.

DOCUMENTS PROVIDED

- 1. Owner will supply the Contractor with one (1) electronic pdf set of Contract Documents for construction purposes. The Contractor is responsible for printing sets as required to maintain drawings on site and for as-built / record drawing sets. The Contractor may obtain additional sets of Contract Documents at their own cost of printing, handling and shipping.
- An electronic set of documents will be provided near the end of the Project for purposes of transferring changed information recorded on as-built documents to the electronic Record Documents when requested by the Contractor.

PERFORMANCE OF WORK AND SEQUENCING

- The substantial performance of construction work needs to be completed by 12 weeks after award of project unless otherwise agreed to in writing with Consultant and Owner. Date to be
- confirmed at project kick-off meeting based on door and frame lead times Only one entrance may be replaced at a time. One entrance must always be functional for
- arena building users. Contractor to coordinate partial occupancy as required. Concrete walkway and frost slab provisional price item, if City decides to move forward, shall be completed after initial door replacement is complete. Only one entrance may be affected at a time. Pricing to be held through end of May 2025 in event that weather does not allow for
- completion in the fall. Scheduling of replacement to be coordinated with Owner. Maintain fire access and control of fire protection equipment.

SECTION 01 14 00 - WORK RESTRICTIONS GENERAL WORKING HOURS

Typical working hours shall be Monday to Friday from 7am to 10pm. No noisy work permitted after 8pm.

EXISTING SERVICES

- Notify Owner and Consultant and utility companies of intended interruption of services and obtain required permission. Where Work involves breaking into or connecting to existing services, give Owner and Consultant, seventy-two (72) hours of notice for necessary interruption of mechanical or electrical service throughout course of work. Keep duration of interruptions minimum.
- Should large portion of building outside of work scope area be potentially affected by shutdown, provide Owner and Consultant with as much notice as possible so arena staff can coordinate least disruptive time for work to take place, minimizing impact on arena operations and programming. Review potential need for large shutoff within 24 hours of mobilization on

SECTION 01 21 00 - ALLOWANCES

- 1. Costs Included in Cash Allowances: Cost of Product to Contractor less applicable trade discounts; delivery to site, and applicable taxes. Consultant Responsibilitie
- A. Consult with Contractor for consideration and selection of Products, suppliers. and
- . Owner and Consultant to select Products.

4. Differences in costs will be adjusted by Change Order.

- Prepare Change Order.
- Contractor Responsibilities A. Assist Consultant in selection of Products, suppliers and installers.
- . Obtain proposals from suppliers and installers and offer recommendations. On notification of selection by Consultant or Owner, execute purchase agreement with
- designated supplier and installer. . Arrange for and process shop drawings, product data, and samples. Arrange for delivery.

ALLOWANCES SCHEDULE

- CASH ALLOWANCE: CONTINGENCY
- A. Include in the Contract, a stipulated price of \$10,000.00 (exclusive of HST) for use upon Owner's written instruction via Change Order.
- B. Contractor's costs for Products, delivery, installation, labour, insurance, payroll, taxes, bonding, equipment rental, overhead and profit will be included in Change Orders
- authorizing expenditure of funds from this Contingency Allowance. Funds will be drawn from the Contingency Allowance only by Change Order.
- . At closeout of Contract, funds remaining in Contingency Allowance will be credited to

SECTION 01 25 00 - SUBSTITUTION PROCEDURES

SUBSTITUTION TIMEFRAME AND REQUIREMENTS

- 1. Consultant will consider requests for Substitutions only within fifteen (15) days after date of Owner-Contractor Agreement and/or Contract. After this time, the Consultant and Owner
- reserve the right to deny requests for Substitutions without reason. 2. Substitutions may be considered when a Product becomes unavailable through no fault of the
- 3. Document each request with complete data substantiating compliance of proposed
- Substitution with Contract Documents. A request constitutes a representation that the Bidder,
- A. Has investigated proposed Product and determined that it meets or exceeds the quality
- level of the specified Product. Will provide the same warranty for the Substitution as for the specified Product.
- Will coordinate installation and make changes to other Work which may be required for the Work to be complete with no additional cost to Owner.
- D. Waives claims for additional costs or time extension which may subsequently become Will reimburse Owner and Consultant for review or redesign services associated with re-
- approval by authorities. Substitutions will not be considered when they are indicated or implied on shop drawing or product data submittals, without separate written request, or when acceptance will require

revision to the Contract Documents. SUBSTITUTION PROCEDURE

1. Submit one (1) digital copies of request for Substitution for consideration. Limit each request

3. The Consultant will notify Contractor in writing of decision to accept or reject request.

- to one (1) proposed Substitution
- 2. Submit shop drawings, product data, and certified test results attesting to the proposed Product equivalence. Burden of proof is on proposer

SECTION 01 31 00 - PROJECT MANAGING AND COORDINATION

PROJECT MEETINGS

- 1. Schedule and administer a kick-off and bi-weekly project meetings, throughout progress of Work as determined by Consultant
- Prepare agenda for meetings, inclusive of project kick-off meeting. Distribute written notice of each meeting four (4) days in advance of meeting date to
- Consultant and Owner. 4. Provide physical space and make arrangements for meetings in coordination with Owner for adjacent space in the building
- Preside at meetings. Record minutes. Include significant proceedings and decisions. Identify action by parties. Reproduce and distribute copies of minutes within three (3) days after each meeting and
 - transmit to meeting participants, affected parties not in attendance. Consultant and Owner. 8. Schedule and administer pre-installation meetings when specified in sections and when required to coordinate related or affected Work.

CONSTRUCTION ORGANIZATION AND START-UP

- 1. Within ten (10) days after award of Contract, request a meeting of parties in contract to discuss and resolve administrative procedures and responsibilities
- Senior representatives of the Consultant, representatives of the Owner, Contractor, major Subcontractors, field inspectors and supervisors are to be in attendance. 3. Establish time and location of meeting and notify parties concerned minimum five (5) days
- 4. Project Kick-off Meeting Agenda to include A. Appointment of official representative of participants in Work.
 - Schedule of Work and progress scheduling. Schedule submission of product data, shop drawings, samples and closeout documents,
- maintenance information, etc.
- D. Requirements for temporary facilities, site sign, offices, storage sheds, utilities, fences,
- . Delivery schedule of specified equipment. Site safety and security precautions and procedures G. Proposed changes, change orders, procedures, approvals required, mark-up percentages
- permitted, time extensions, overtime, and administrative requirements. Record / as-built drawings
- Take-over procedures, acceptance, and warranties
- Monthly progress claims, administrative procedures, photographs, and holdbacks. Appointment of inspection and testing agencies or firms.
- L. Insurances and transcript of policies. Incorporate mutually agreed variations to Contract Documents into Agreement, prior to signing. 6. Comply with Consultant's and Owner's allocation of mobilization areas of site: for field sheds. access, traffic, and parking facilities. Comply with instructions of Consultant for use of
- temporary utilities and construction facilities. 7. During construction, coordinate use of site and facilities through Consultant's procedures for intra-project communications: Submittals, reports and records, schedules, coordination of drawings, recommendations, and resolution of ambiguities and conflicts.

CONSTRUCTION PROGRESS MEETINGS

- . During course of Work and two weeks prior to project completion, schedule progress meetings. Contractor, major subcontractors involved in Work, Consultant, Owner are to be in attendance. . Notify parties minimum three (3) days prior to meetings. Meetings to be scheduled such that
- they are re-occurring time and day of the week whenever possible 4. Record minutes of meetings and circulate to attending parties and affected parties not in
- attendance within three (3) days after meeting.
- Agendas to include the following: A. Review, approval of minutes of previous meeting.
- Review of Work progress since previous meeting.
- Field observations, problems, conflicts.
- Problems which impede construction schedule Review of off-site fabrication delivery schedules
- Corrective measures and procedures to regain projected schedule.
- Revisions required to construction schedule. Upcoming scheduled tasks, during succeeding work period.
- Review submittal schedules: expedite as required.
- Maintenance of quality standards. Review proposed changes for affect on construction schedule and on completion date.
- Review site safety and security issues. M. Other business.

ON-SITE DOCUMENTATION

- . Maintain at the job site, one copy each of the following: A. Contract drawings.
- Specifications.
- Addenda. Reviewed shop drawings
- Change orders. Other modifications to Contrac
- Field test reports H. Copy of approved Work schedule.
- Manufacturers' installation and application instructions. Labour conditions and wage schedules.
- K. Applicable current editions of municipal regulations and by-laws. Current building codes, complete with adenda bulletins applicable to the Place of the Work.

COST RELATED SUBMITTALS AND REQUESTS FOR INFORMATION

- 1. Submit requests for payment for review, and for transmittal to Consultant. 2. Submit requests for interpretation of Contract Documents, and obtain instructions through
- 3. Process substitutions through Consultant.

4. Process change orders through Consultant. **CLOSEOUT PROCEDURES**

final inspection.

- Deliver closeout submittals for review and preliminary inspections, for transmittal to Consultant
- Notify Consultant when Work is considered ready for Substantial Performance. 3. Accompany Consultant on preliminary inspection to determine items listed for completion or
- 4. Comply with Consultant's instructions for correction of items of Work listed in executed
- certificate of Substantial Performance and for access to Owner-occupied areas Notify Consultant of instructions for completion of items of Work determined in Consultant's

SECTION 01 32 00 - CONSTRUCTION PROGRESS DOCUMENTATION

REQUIRED SCHEDULE TYPES

- 1. Submittal Schedule for Shop Drawings and Product Data.
- 4. Cash Allowance Schedule
- Submittal Schedule for Samples Product Delivery Schedule.
- 6. Construction Timeline Schedule.
- Shutdown or closure activity Schedule.

SCHEDULE SUBMISSIONS

- 1. Submit initial format of all required schedules within ten (10) working days after award and signing of Contract. Consultant will review schedule and return review copy within ten (10) working days after receipt. Resubmit finalized schedule within seven (7) days after return of
- Submit schedules in electronic format, forward through e-mail as *.pdf files.
- Submit revised progress schedule to reflect current construction progress with each application for payment. Clearly indicate any items that have changed since last submission of

4. Distribute copies of revised schedule to the job site, subcontractorss, and other concerned

parties. Instruct recipients to report to Contractor within five (5) days, any problems anticipated

CONSTRUCTION TIMELINE SCHEDULE FORMAT

by timetable shown in schedule.

- 1. Prepare schedule in form of a horizontal bar chart. Provide a separate bar for each major item of work, operation. Split horizontally for projected and actual performance. Provide horizontal time scale identifying first Working Day of each week.
- Format for listings: Chronological order of start of each item of work. . Identification of listings: By specification Section numbers, specification subjects, systems
- 4. Submit computer generated network analysis diagram using the critical path method. 5. Show complete sequence of construction by activity, identifying Work of separate stages and other logically grouped activities. Indicate the early and late start, early and late finish, float dates, and duration.
- 6. Indicate estimated percentage of completion for each item of Work at each submission.

SUBMITTAL AND SHOP DRAWING SCHEDULE FORMAT

- . IncludeShop Drawings, product data, and physical samples Indicate dates for submitting, review time, resubmission time, and last date for meeting
- fabrication schedule. Indicate if returned submittal requires to be resubmitted.
- 3. Keep track of all required resubmissions with their date of resubmission separate from the dates of the previous submission

WEEKLY PROGRESS REPORTS AND PHOTOS

- 1. Provide a written narrative report weekly, to be sent out every Monday morning for the duration of the project in an email as a .pdf attachement, to include the following:
- A. Problem areas, anticipated delays, and impact on schedule.
- Corrective action recommended and its effect. Critical RFIs and submittals needed returned to keep project timeline.
- D. Minimum (4) four photos of site, illustrating major areas of progress since last report. 2. The contractor shall shall photo document all framing and MEP work before concealment.

SECTION 01 33 00 - SUBMITTAL

PROCEDURES

ADMINISTRATIVE REQUIREMENTS

- 1. Submit to Consultant submittals listed, requested for review. Submit with reasonable promptness and in orderly sequence so as to not cause delay in Work. Failure to submit in ample time is not considered sufficient reason for an extension of Contract Time and no claim
- for extension by reason of such default will be allowed. Work affected by submittal shall not proceed until review is complete
- Present Shop Drawings, product data, samples and mock-ups in SI (metric) and IP (imperial inch-pound) units. Where items or information is not manufactured or produced in SI metric units, converted values within the metric measurement tolerances are acceptable. 4. Review submittals prior to submission to Consultant. This review represents that necessary
- checked and co-ordinated with requirements of Work and Contract Documents. Submittals not stamped, signed, dated, identified as to specific project, and attesting to their being reviewed will be returned without being examined and shall be considered rejected.

requirements have been determined and verified, or will be, and that each submittal has been

- Notify Consultant, in writing at time of submission, identifying deviations from requirements of Contract Documents stating reasons for deviations.
- Verify field measurements and affected adjacent Work are coordinated Contractor's responsibility for errors and omissions and/or deviations in submission from quirements of Contract Documents is not relieved by Consultant's review of submittal
- Keep one (1) reviewed copy of each submission on site. 9. Allow ten (10) days for Consultant's review of each submission. 10. Adjustments made on Shop Drawings by Consultant are not intended to change Contract Price. If adjustments affect value of Work, state such in writing to Consultant prior to

CERTIFICATES AND TRANSCRIPTS

- 1. Immediately after award of Contract, and with each monthly progress draw, submit Workers' Compensation Board status.
- 2. With each monthly progress draw, starting at the second draw, submit a Statuory Declaration of Progress Payment Distribution by Contractor 3. Submit transcription of insurance immediately after award of Contract.

SAMPLES

- 1. Submit for review samples in duplicate as requested in respective specification Sections. Label
- samples with origin and intended use 2. Deliver samples prepaid to Consultant's business address unless otherwise agreed to with
- 3. Where colour, pattern or texture is criterion, submit full range of samples.

4 Make changes in samples which Consultant may require consistent with Contract Documents 5. Reviewed and accepted samples will become standard of workmanship and material against

which installed Work will be verified.

and sample: other pertinent data

installation of Work may proceed.

Sections and as consultant may reasonably request.

a portion of Work.

proceeding with Work.

- SHOP DRAWINGS AND PRODUCT DATA 1. The term "Shop Drawings" means drawings, diagrams, illustrations, schedules, performance charts, brochures and other data which are to be provided by Contractor to illustrate details of
- 2. Indicate materials, methods of construction and attachment or anchorage, erection diagrams, connections, explanatory notes and other information necessary for completion of Work. Where articles or equipment attach or connect to other articles or equipment, indicate that such items have been coordinated, regardless of Section under which adjacent items will be

supplied and installed. Indicate cross references to design drawings and specifications.

Make changes in Shop Drawings as Consultant may require, consistent with Contract

- Documents. When resubmitting, notify Consultant in writing of any revisions other than those 4. Accompany all submissions with transmittal letter, containing the date; project title and number; Contractor's name and address; idenficiation and quantity of each shop drawing; product data
- 5. Submissions shall include date and revision dates; project title and number; name and address of subcontractor, supplier, and manufacturer; Contractor's stamp, signed by Contractor's authorized representative certifying approval of submissions, verification of field measurements and compliance with Contract Documents.

6. Submit electronic copy of Shop Drawings for each requirement requested in specification

7. Delete information not applicable to project. Supplement standard information to provide details applicable to project. 8. If upon review by Consultant, no errors or omissions are discovered or if only minor corrections are made, copies will be returned and fabrication and installation of Work may proceed. If Shop Drawings are rejected, noted copy will be returned and re-submission of corrected Shop Drawings, through same procedure indicated above, must be performed before fabrication and

SECTION 01 35 23 - HEALTH AND SAFETY

re-submission with correction of deficiencies or concerns.

with site-specific City of Cambridge's Health and Safety Plan.

having jurisdiction. Advise Consultant verbally and in writing.

and/or Township having jurisdiction.

SAFETY SUBMITTALS

commencement of Work.

for site tasks and operation.

work for approval

accessing the designated work site area.

Submit copies of incident and accident reports.

to be implemented during emergency situations.

Heights rescue and response

Securing of the incident scene.

Health and Safety Coordinator.

Provide immediate first aid.

designated Work area.

the duration of the project.

POSTING OF DOCUMENTS

with Consultant

ON-SITE CONTINGENCY AND EMERGENCY RESPONSE PLAN

1. Province of Ontario: Occupational Health and Safety Act, Regulation and Code R.S.A -Amended, including requirements for a "Prime Contractor" as defined by the Act.

1. Develop written site-specific Health and Safety Plan based on hazard assessment prior to

demobilization from site. Health and Safety Plan must address project specifications.

1. The "Prime Contractor" according applicable local jurisdiction, is responsible for health and

2. Comply with and enforce compliance by employees with safety requirements of Contract

site and environment to extent that they may be affected by conduct of Work.

safety of persons on site, safety of property on site and for protection of persons adjacent to

Documents, applicable federal, provincial, and local statutes, regulations, and ordinances, and

3. Should any unforeseen or peculiar safety-related factor, hazard, or condition become evident

4. Contractor is responsible for collecting WSIB Clearance Certificates and Certificates of

5. Contractor is responsible for enforcing all PPE site requirements at all times from anyone

1. File Notice of Project with the Province of Ontario, Ministry of Labour and Owner prior to

2. Submit site-specific Health and Safety Plan: Within seven (7) days after date of Notice to

3. Submit 2 copies of Contractor's authorized representative's work site health and safety

5. Submit Safety Data Sheets (SDS) and Technical Data Sheets (TDS) to Consultant for any

6. Consultant will review Contractor's site-specific Health and Safety Plan and provide comments

reduce the Contractor's overall responsibility for construction Health and Safety.

issued by Federal, Provincial and Municipal health and safety inspectors.

Proceed and prior to commencement of Work. Health and Safety Plan must include results of

site specific safety hazard assessment and results of safety and health risk or hazard analysis

inspection reports to Consultant and Owner, weekly. Submit copies of reports or directions

chemicals, products, and adhesives planned to be brought on site seven (7) days prior to site

to Contractor within 7 days after receipt of plan. Revise plan as appropriate and resubmit plan

to Consultant within 5 days after receipt of comments from Consultant. Consultant's review of

Contractor's final Health and Safety plan should not be construed as approval and does not

7. On-site Contingency and Emergency Response Plan: Address standard operating procedures

1. Address standard operating prodcedures to be implemented during emergency sistutation.

A. Contact local emergency authorities (911) and seek immediate medical assistance.

B. Activation of on-site Emergency Response Team (ERT) for response to Working at

E. Post emergency contact information, directions to nearest hospital for emergency

1. Employ and assign to Work, competent and authorized representative as Health and Safety

A. Have minimum two (2) years' site-related working experience specific to activities

associated with General construction health and safety; Industrial lift equipment safety

and inspection requirements; Enforcement of site PPE, fall arrest equipment, inspection

protocols for fall arrest equipment, and monitoring of adherence and use of required on-

A. Completing Contractor's Health and Safety Training Sessions and site safety orientation

esssions with all personnel who will be accessing the work site. Ensure that personne

not successfully completing required training are not permitted to enter site to perform

Work. Safety orientation completion list to be maintained for the duration of the project

B. Assign a Ground-Level Spotter for any overhead work involving Mobile Elevated Work

work area, and to support the MEWP operator in case of emergencies.

showing that site safety rules have been reviewed by personnel accessing the work site

Platforms (MEWP). Ground-level Spotter must be always at ground level for the duration

of the use of the MEWP equipment to ensure passersby individuals are away from the

C. Ensuring work areas around the use of MEWPs, cranes, or similar powered equipment is barricaded, fenced, tarped and cautioned off to prevent pedestrians to keep away from

E. Be responsible for checking the training records of all on-site Contractors prior to arrival

F. Ensure any electrical, mechanical and technical subcontractors and trades provide

training records and certifications for validation prior to working at the project site.

G. Conducting ongoing site inspections throughout the working day, monitoring overall

1. Ensure applicable items, articles, notices and orders are posted in conspicuous location on

2. Relevant on-site health and safety information is posted and contains most current updates

Posted information to include daily work permits related to on-site works and activities.

related to onsite Work. Posted information to include relevant contact numbers to main

Immediately address health and safety non-compliance issues identified by authority having

2. Provide Consultant and Owner with written report of action taken to correct non-compliance of

3. Owner, Consultant, Health and Safety Coordinator, Contractor, and any local building facilities

safety without hesitation. Work shall not proceed until issue is addressed and corrected.

4. Give precedence to safety and health of public and site personnel and protection of

environment over cost and schedule considerations for Work.

staff member from the Owner side is empowered and has full authority to immediately stop any

observed unsafe work activity, or unsafe work condition at any time to ensure the health and

Contractor, Consultant, and Owner contacts. Ensure building permits are posted along with all

emergency protocols, mandatory PPE requirements, ERT, first aider, and all other applicable

site in accordance with Acts and Regulations of the Province of Ontario and in consultation

on site, ensuring required training certificates for Working at Heights, LOTO, ladder safety

and any other required safety training. Ensure training records are available and current

safety, taking immediate actions to resolve any observed health and safety discrepancies. H. Have full authority to stop any on-site Work when health and safety requirements are not

(within the required training refreshment period). Obtain copies and keep on record for

PROJECT HEALTH AND SAFETY COORDINATOR OR ASSIGNED DESIGNATE

Coordinator, or Assigned Designate with the following qualifications:

site PPE, hot work protocols, and LOTO requirements.

D. Ensure proper warning and danger signage is in place.

met, or unsafe working conditions are observed.

CORRECTION OF NON-COMPLIANCE AND WORK STOPPAGE

health and safety issues identified

B. Have working knowledge of occupational safety and health regulations.

2. Health and Safety Coordinator, or Assined Designate is responsible for completing the

F. Relevant contact information to trained on-site Frist Aider, Prime Contractor, designated

Keep readily available on-site and submit to Consultant for review if requested.

during performance of Work, and follow procedures in place for Employee's Right to Refuse

Work in accordance with Acts and Regulations of the Province of Ontario and local regulators,

Insurance (COIs) coverage for all subcontractors planned to be brought to the work site prior to

arrival. The COIs should follow the minimum coverage requirements as required by the City

2. Consultant may respond in writing, where deficiencies or concerns are noted and may request

commencing any site Work and continue to implement, maintain, and enforce plan until final

SAFETY PLAN

RESPONSIBILITY

- 1. No hot work, or works that generate heat, fire and/or sparks (e.g., welding, cutting, grinding,
 - etc.) without prior approval from Consultant and Owner 2. No roof top access or work without prior approval from Consultant and Owner.
 - 3. No use of any Mobile Elevated Work Platforms (MEWPs) unless the equipment has been validated to have a current annual inspection and is in proper working condition. Any workers using MEWPs must have proper training and must conduct and document the pre-use

SECTION 01 35 23 - HEALTH AND SAFETY -

- inspection of the MEWP prior to operating the MEWP equipment. 4. All Working at Heights (WAH) works and activities must be performed by workers who have
- valid and current WAH training certificates. 5. Any work involving ladders (e.g., step ladders, roll-up ladders, etc.) must be performed only using ladders that are in good working condition, inspected prior to use for any defects and load capacities, and used by workers who have valid and current ladder safety training
- 6. Any equipment and device that is being serviced, repaired, decommissioned, removed, demolished and placed out of serviced must have all hazardous energy sources safety deenergized and locked and tagged by personnel with current and valid lockout-tagout (LOTO)
- 7. Traffic around the designated work area must be controlled at all times to ensure safe passage of pedestrian and clear segregation between pedestrian and any motor vehicles.
- 8. Maintain a clear separation between designated work areas, and surrounding areas by ensuring the entire work area is tarped-off, fenced off, and includes appropriate signage indicating hazards in the work area, PPE requirements, designated work contact, and an operational phone number where the designated work contact can be reached.

FIRE PROTECTION

Continued

HAZARDOUS WORK

- 1. Provide and maintain temporary fire protection equipment during performance of Work
- required by local governing codes, regulations and bylaws 2. Maintain placed or installed fire resistive construction to protect the portions of the Work during
- 3. Ensure all combustible material is removed to at least 35 feet away from the hot work area or shield with flameproof covers or curtains extending to the ground. Review any planned hot work works and activities with Consultant and Owner and obtain approval prior to planned
- 4. Assign a designated fire monitor and a fully trained fire watch in the use of a fire extinguisher and equipped with an operational and fully charged fire extinguisher for all hot work works and activities. Fire watch cannot have any other duties assigned while performing the role of a fire
- 5. Any planned work on the site's fire and life safety systems (e.g., sprinklers, fire monitoring system, etc.) requires prior approval from Consultant and Owner



TRUE NORTH



2024.08.07 PERMIT & TENDER 2024.06.03 CLIENT REVIEW DATE ISSUED

KEY PLAN

PROJECT NAME

GALT ARENA DOORS

CITY OF CAMBRIDGE

T. 519-743-0608 | info@fabrikarchitects.ca

www.fabrikarchitects.ca 58 Grand Avenue South, Unit 201, Cambridge ON, N1S 0B7

ARCHITECTS

The contractor shall check and verify all dimensions and report any errors or omissions to the consultant before commencing or proceeding with any work. Drawings prepared and issued by consultant are the property of the consultant These documents are not to be duplicated or copied without the consent of the

Consultant. Do not scale this drawing.

SPECIFICATIONS

copyright © 2020 FABRIK Architects Inc. **ARCHITECTURAL**

PROJECT No. **24011** | SCALE O ARCHITECTS Z Elisia Revisi. ELISIA M. G. NEVES LICENCE

DRAWN By: CHECKED By:

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12" = 1'-0"

SECTION 01 43 00 - QUALITY ASSURANCE

INSPECTION BY AUTHORITY

REVIEW BY CONSULTANT

- 1. Provide testing organization services as specified throughout the Contract Drawings and specifications.
- 2. Testing organization: Current member in good standing of their respective professional or
- industry organization and certified to perform specified services. Comply with applicable procedures and standards of the certification sponsoring association. 4. Perform services under direction of supervisor qualified under certification requirements of
- sponsoring association.
- A. Provide adequate workforce training through meetings and demonstrations.
- B. Have someone on site with deconstruction experience throughout project for consultation and supervision purposes.

SECTION 01 45 00 - QUALITY CONTROL

- 1. Allow Authorities Having Jurisdiction access to Work. If part of Work is in preparation at locations other than Place of Work, allow access to such Work whenever it is in progress.
- 2. Give timely notice requesting inspection whenever portions of the Work are designated for special tests, inspections or approvals, either when described in the Contract Documents or when required by law in the Place of the Work.
- 3. If Contractor covers or permits to be covered Work that has been designated for special tests inspections or approvals before such is made, uncover such Work, have inspections or tests

satisfactorily completed and make good such Work.

- 1. Consultant may order any part of the Work to be reviewed or inspected if Work is suspected to be not in accordance with Contract Documents.
- 2. If, upon review such work is found not in accordance with Contract Documents, correct such Work and pay cost of additional review and correction.
- 3. If such Work is found in accordance with Contract Documents, Owner and Consultant will pay cost of review and replacement.

INDEPENDENT INSPECTION AGENCIES

- Independent Inspection and Testing Agencies will be engaged by Contractor as described in Contract Documents or otherwise as requested by Consultant for purpose of inspecting and testing portions of Work. Cost of such services will be borne by Contractor unless otherwise
- Testing Organizations: Listed by SCC within info.palcan@scc.ca listings.
- Provide equipment required for executing inspection and testing by appointed agencies Employment of inspection and testing agencies does not relax responsibility to perform Work
- in accordance with Contract Documents. 5. If defects are revealed during inspection and/or testing, appointed agency will request additional inspection and testing to ascertain full degree of defect. Correct defect and irregularities as advised by Consultant at no cost to Owner. Pay costs for retesting and re-

ACCESS TO WORK

1. Allow inspection and testing agencies access to Work. Cooperate to provide reasonable access and facilities for such access

- Notify appropriate agency and Consultant in advance of requirement for tests, in order that attendance arrangements can be made.
- Submit samples and materials required for testing, as specifically requested in specifications. Submit with reasonable promptness and in an orderly sequence so as not to cause delay in
- 3. Provide labour and facilities to obtain and handle samples and materials on site. Provide sufficient space to store and cure test samples.

REJECTED WORK

- Remove defective Work, whether result of poor workmanship, use of defective products or damage and whether incorporated in Work or not, which has been rejected by Consultant as failing to conform to Contract Documents. Replace or re-execute in accordance with Contract
- 2. Make good other Contractor's work damaged by such removals or replacements promptly. 3. If in opinion of Consultant it is not expedient to correct defective Work or Work not performed in accordance with Contract Documents. Owner may deduct from Contract Price the difference in value between Work performed and that called for by Contract Documents, amount of which shall be determined by Consultant.

REPORTS, TESTS AND MIX DESIGNS

- 1. Submit one (1) electronic copy of signed inspection and test reports to Consultant. Provide signed paper and/or electronic copies to Subcontractor of work being inspected or
- tested manufacturer or fabricator of material being inspected or tested
- 3. Submit adjustment and balancing reports for mechanical, electrical and building equipment systems. Refer to mechanical and electrical drawings and specifications for definitive
- 4. Furnish test results and mix designs as may be requested. 5. The cost of tests and mix designs beyond those called for in Contract Documents or beyond
- those required by law of Place of Work shall be appraised by Consultant and may be authorized as recoverable.

SECTION 01 51 00 - TEMPORARY UTILITIES

NSTALL ATION AND REMOVAL

- 1. Provide temporary utilities controls in order to execute work expeditiously.
- Remove from site all such work after use 3. Salvage and assist in recycling products for potential reuse.

Owner will provide continuous supply of potable water for construction use. 2. Owner will pay for utility charges at prevailing rates.

TEMPORARY HEATING AND VENTILATION

- 1. Provide temporary heat and ventilation in enclosed areas as required to Facilitate progress of Work; Protect Work and products against dampness and cold; Prevent moisture condensation on surfaces; Provide ambient temperatures and humidity levels for storage, installation and curing of materials; Provide adequate ventilation to meet health regulations for safe working
- Maintain temperatures of minimum 50 degrees F in areas where construction is in progress.
- Provide temporary ventilation so as to Prevent accumulations of dust, fumes, mists, vapours or gases in areas occupied during construction; Provide local exhaust ventilation to prevent harmful accumulation of hazardous substances into atmosphere of occupied areas; Dispose of exhaust materials in manner that will not result in harmful exposure to persons; Ventilate storage spaces containing hazardous or volatile materials; Ventilate temporary sanitary
- 4. Continue operation of ventilation and exhaust system for time after cessation of work process to assure removal of harmful contaminants.
- 5. Permanent heating system of building, may be used when available. Be responsible for
- damage to heating system if use is permitted. 6. On completion of Work for which permanent heating system is used, complete replacement of
- filters, cleaning of diffusers and grilled with work area. 7. Ensure date of Substantial Performance of the Work and Warranties for heating system do not commence until entire system is in as near original condition as possible and is certified by
- 8. Owner will pay utility charges when temporary heat source is existing building equipment.
- Maintain strict supervision of operation of temporary heating and ventilating equipment to Conform with applicable codes and standards: Enforce safe practices: Prevent abuse of services; Prevent damage to finishes; Vent direct-fired combustion units to outside.
- 10. Be responsible for damage to Work due to failure in providing adequate heat and protection during construction.

TEMPORARY POWER AND LIGHT

- 1. Owner will provide a source for, and pay the costs of temporary power during construction fo temporary lighting and operating of power tools, to a maximum supply of 120 volt, 30 amps.
- 2. Provide and pay for temporary power for electric cranes and other equipment requiring temporary power in excess of above noted requirements.
- 3. Provide and maintain temporary lighting throughout project. Ensure level of illumination is not less than 162 lx, 16 lumen per sq ft.
- 4. Electrical power and lighting systems installed under this Contract may be used for construction requirements only with prior approval of Consultant provided that guarantees are not affected. Make good damage to electrical system caused by use under this Contract.

Replace lamps which have been used for more than three (3) months.

SECTION 01 52 00 - CONSTRUCTION

FACILITIES

INSTALLATION AND REMOVAL

- Provide construction facilities in order to execute work expeditiously. 2. Remove from site all such work after use

USE OF THE SITE

- 1. Confine work and operations of employees by Contract Documents. Do not unreasonably encumber premises with Products. 2. Do not load or permit to load any part of Work with a weight or force that will endanger the

CONSTRUCTION PARKING

- Parking will be permitted on site provided it does not disrupt performance of Work and continuing operation of the facility. Location to be coordinated with Owner at project kick-off
- Provide and maintain adequate access to project site. Emergency response vehicles must be able to enter and exit site at all times without obstruction.
- If authorized to use existing roads for access to project site, maintain such roads for duration of Contract and make good damage resulting from Contractors' use of roads.

- No construction office is required for this project
- Coordinate with Owner for location to hold construction progress meetings during course of project elsewhere in the building

EQUIPMENT, TOOL AND MATERIALS STORAGE

- 1. Provide and maintain, in a clean and orderly condition, lockable weatherproof sheds for storage of tools, equipment and materials, where applicable.
- 2. Locate materials not required to be stored in weatherproof sheds on site in a manner to cause
- least interference with work activities 3. Storage space within building may or may not be available. Coordinate extents and location of storage with Owner at project kick-off meeting. Storage space within site must be hoarded off
- with metal fencing or other hoarding type as reviewed and approved by Consultant and Owner. 4. Owner is not responsible for any theft, damage, etc. Storage of items on site is at Contractor's

SANITARY FACILITIES

- 1. Existing permanent facilities may be used.
- Keep sanitary facilities clean and fully stocked with the necessary supplies at all times.

1. Ensure all materials and site are secure. The Owner shall not responsible for theft or damage. Storage space within the building is limited and shall be coordinated with Owner during project kick-off meeting if desired by Contractor.

SECTION 01 53 00 - TEMPORARY CONSTRUCTION

INSTALLATION AND REMOVAL

. Provide temporary controls and construction in order to execute Work expeditiously. 2. Remove from site all such work after use.

SITE ENCLOSURE

- 1. Erect temporary site enclosure (hoarding) using 1-1/2 x 3-1/2 inch construction grade lumber framing at 24 inches on centre, and 48 x 96 inch size, 1/2 inch thick exterior grade Fir plywood. Apply panels vertically, flush and butt jointed. Insulate cavity of hoarding for sound control.
- Temporarily seal to adjacent conditions when possible during duration of noisy and dusty work. Provide dust tight barriers and screens to localize dust generating activities, and for protection of workers, finished areas of Work and public. Maintain and relocate protection until such work
- 4. If barrier must remain in place for more than one week, paint public side of site enclosure in selected colours with one coat of exterior alkyd primer and one coat of exterior alkyd paint.
- Maintain public side of enclosure in clean condition 5. Erect temporary site enclosure using new 4 ft high snow fence wired to rolled steel "T" bar fence, posts spaced at 8 ft maximum on centre. Provide lockable gates as required for safe
- and secure access. Maintain enclosure in good repair 6. Provide vandal and moisture tight seal at exterior opening if more than one day is required for replacement to prevent theft, break-ins and weather from occuring.

7. Protect from damage by equipment and construction procedures.

PROTECTION FOR OFF-SITE PROPERTY, PUBLIC PROPERTY, APPLIED FINISHES AND SURROUNDING WORK

- Protect surrounding private and public property from damage during performance of Work. 2. Provide protection for finished and partially finished surfaces and equipment during
- performance of Work. Provide protection for finished and partially finished Work from damage.
- Provide necessary screens, covers, and hoardings. 5. Be responsible for damage incurred due to lack of or improper or inappropriate protection.

SECTION 01 70 00 - EXAMINATION AND PREPARATION

EXAMINATION

- 1. Inspect existing conditions, including elements or adjacent Work subject to irregularities,
- damage, movement, including Work during cutting and patching After uncovering, inspect conditions affecting performance of the Work.
- 3. Beginning of cutting or patching means acceptance of existing conditions

PREPARATION

- 1. Provide supports to assure structural integrity of surroundings; provide devices and methods to protect other portions of project from damage.
- Provide protection from elements for areas which may be exposed by uncovering work maintain excavations free of water.

EXISTING SERVICES

2. Remove abandoned service lines within 6 ft of structures. Cap or seal lines at cut-off points as

1. Before commencing work, establish location and extent of service lines in area of Work and

directed by Consultant.

LOCATION OF EQUIPMENT AND FIXTURES

- 1. Location of equipment, fixtures and outlets indicated or specified are to be considered as
- 2. Locate equipment, fixtures and distribution systems to provide minimum interference and maximum usable space and in accordance with manufacturer's recommendations for safety, access and maintenance.
- Inform Consultant of impending installation and obtain approval for actual location. 4. Submit field drawings to indicate relative position of various services and equipment when

SURVEY RECORD

required by Consultant

1. Record locations of maintained, re-routed and abandoned service lines

SECTION 01 73 00 - EXECUTION

ATTACHING TO EXISTING WORK

1. Submit written request in advance of cutting or alteration which affects Structural integrity of any element of Project; Integrity of weather-exposed or moisture-resistant elements; Efficiency, maintenance, or safety of any operational element; Visual qualities of sight-exposed elements. Include in request Identification of Project; Location and description of affected Work;

be used; Alternatives to cutting and patching; Date and time work will be executed.

TOLERANCES

- . Monitor fabrication and installation tolerance control of Products to produce acceptable Work.
- Do not permit tolerances to accumulate beyond effective or practical limits. Comply with manufacturers' tolerances. In case of conflict between manufacturers' tolerances.

Statement on necessity for cutting or alteration; Description of proposed Work, and products to

and Contract Documents, request clarification from Consultant before proceeding. 3. Adjust Products to appropriate dimensions; position and confirm tolerance acceptability, before

EXECUTION

1. Execute cutting, fitting, and patching to complete the Work.

where indicated otherwise.

permanently securing Products in place.

- Perform all required excavation and fill to complete the Work. Fit several parts together, to integrate with other Work.
- Uncover Work to install ill-timed Work. Remove and replace defective or non-conforming Work. 5. Provide openings in non-structural elements of Work for penetrations of associated electrical, mechanical Work. Limit opening dimensions to minimal sizes required, and performed in a neat and clean fashion. Fit Work airtight to pipes, sleeves, ducts, conduit, and other
- penetrations through surfaces. 6. Employ qualified workers to perform cutting and patching for weather-exposed and moisture-
- esistant elements, and sight-exposed surfaces. 7. Cut rigid materials using masonry saw or core drill. Pneumatic or impact tools not allowed on
- masonry or concrete work without prior approval. 8. Restore work with new products in accordance with requirements of Contract Documents. 9. At penetration of fire rated wall, ceiling, or floor construction, completely seal voids with
- firestopping material, for full thickness of the constructed element. 10. Re-finish surfaces to match adjacent finishes: For continuous surfaces re-finish to nearest intersection; for an assembly, re-finish entire unit. 11. Conceal pipes, ducts and wiring in floor, wall and ceiling construction of finished areas except

SECTION 01 74 00 - CLEANING AND WASTE SECTION 01 78 00 - INSPECTIONS, CLOSEOUT SECTION 01 79 00 - DEMONSTRATION AND **PROCESSING**

ASBESTOS ABATEMENT

- 1. No abatement is anticipated for this project. Assessment report can be provided by Owner upon
- 2. Should asbestos containing materials be uncovered during course of construction, all asbestos must be disposed of in accordance with the Environmental Protection Act 347 section 17, most current
- version, unless otherwise authorized by provincial and local authorities and regulations. 3. HEPA vacuum and/or damp-wipe all surfaces within the immediate abatement area.
- 4. All abatement work shall be performed as per Ontario Regulation 278/05, most current version, unless otherwise authorized by provincial and local authorities and regulations.

regulations, and authorities having jurisdiction regarding asbestos abatement.

5. This list of requirements is not intended to be exhaustive and the exclusion of any requirement does not permit the Contractor from being required to maintain conformance with all applicable codes,

PROGRESSIVE CLEANING

- 1. Maintain Work in tidy condition, free from accumulation of waste products and debris. Remove waste materials from site at regularly scheduled times (daily) or dispose of as directed by Consultant. Do not burn waste materials on site, unless approved by Consultant. Dispose of waste
- materials and debris off site. 2. Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste
- and debris. 3. Provide on-site steel framed containers for collection of waste materials and debris. Provide and use
- clearly marked, separate bins for recycling. 4. Clean interior areas prior to start of finish work, and maintain areas free of dust and other contaminants during finishing operations.
- 5. Store volatile waste in covered metal containers, and remove from premises at end of each working 6. Use only cleaning materials recommended by manufacturer of surface to be cleaned, and as recommended by cleaning material manufacturer. Cleaning agents and materials shall have low
- VOC content whenever possible. 7. Schedule cleaning operations so that resulting dust, debris and other contaminants will not fall on wet, newly painted surfaces nor contaminate building systems.

FINAL CLEANING PRIOR TO ACCEPTANCE

and equipment.

- 1. Execute final cleaning prior to final project assessment. 2. Use professional cleaners for final cleaning. Leave all surfaces in perfectly clean and unsoiled
- condition to the Owner satisfaction 3. Prior to applying for Substantial Performance of the Work, remove surplus products, tools,
- construction machinery and equipment not required for performance of remaining Work. 4. Remove waste products and debris other than that caused by others, and leave Work clean and suitable for occupancy. Prior to final review, remove surplus products, tools, construction machinery
- 5. Clean and polish glass, mirrors, hardware, wall tile, stainless steel, chrome, porcelain enamel, baked enamel, plastic laminate, and mechanical and electrical fixtures. Replace broken, scratched or disfigured glass. 6. Remove stains, spots, marks and dirt from decorative work, electrical and mechanical fixtures,
- furniture fitments, walls, floors. 7. Clean lighting reflectors, lenses, and other lighting surfaces.
- Vacuum clean and dust building interiors, behind grilles, louvres and screens. 9. Clean and polish surface finishes, as recommended by manufacturer.
- 10. Inspect finishes, fitments and equipment and ensure specified workmanship and operation. 11. Broom clean and wash exterior walks, steps and surfaces; rake clean other surfaces of grounds. Remove dirt and other disfiguration from exterior surfaces within Contractor's work area and / or
- 12. Clean equipment and fixtures to a sanitary condition; replace filters of mechanical equipment. 13. Remove debris and surplus materials from crawl areas and other accessible concealed spaces.

STORAGE, HANDLING AND PROTECTION OF ITEMS AND MATERIALS

- 1. Store, materials to be reused, recycled and salvaged in locations as directed by Owner and/or Consultant. Protect, stockpile, store and catalogue reuse items.
- Unless specified or agreed to otherwise, materials for removal do not become Contractor's property. 3. Protect structural components not removed for demolition from movement or damage. Support affected structures. If safety of building is endangered, cease operations and immediately notify
- 4. Protect surface drainage, storm sewers, sanitary sewers, and utility services from damage and

WASTE MANAGEMENT GOALS

- 1. This Project is to generate the least amount of waste possible. This requires that construction processes ensure as little waste as possible, either due to error, poor planning, breakage,
- mishandling, contamination, or other factors. 2. Owner recognizes that waste in any project is inevitable, but indicates that as much of the waste materials as economically feasible. Reused, salvage, or recycle as required.

3. Minimize waste disposal to landfills.

SECTION 01 75 00 - START-UP, TESTING, ADJUSTING AND BALANCING

STARTING SYSTEMS

- 1. Coordinate schedule for start-up of various equipment and systems. Notify Consultant and Owner,
- seven (7) days prior to start-up of each item. 2. Verify that each piece of equipment or system has been checked for proper lubrication, drive rotation, belt tension, control sequence, and for conditions which may cause damage.
- 3. Verify tests, metre readings, and specified electrical characteristics agree with those required by the equipment or system manufacture 4. Verify that wiring / support components for equipment are complete & tested. 5. Execute start-up under supervision of applicable manufacturer's representative and/or Contractors'
- personnel in accordance with manufacturers' written instructions. 6. When specified in individual specification Sections, require manufacturer to provide authorized representative to be present at site to inspect, check, and approve equipment or system installation
- 7. Submit a written report that equipment or system has been properly installed and is functioning 8. Commissioning Agent will perform the following during start-up:
- A. Perform preliminary interim inspections as necessary. Witness manufacturers' equipment start-up. Verify starting, testing, adjusting and balancing by Contractor. Cooperate in systems and equipment demonstration and instruction

prior to start-up, and to supervise placing equipment or system in operation.

Verify correction of Contract deficiencies and defects by Contractor. Verify execution of Change Orders performed by Contractor. 9. The following will be performed to an on-going cycle of: A. Owner's inspections, Documentation of results, Diagnosis of problems, Correction of Contract

Deficiencies and execution of Change Orders as required, Verification of results. PERFORMANCE TESTING

Initiate Change Orders as required.

The following will be performed to an on-going cycle of:

1. Performance testing will be performed by the Commissioning Agent. It must be completed prior to Substantial Completion and when all systems have been balanced and tested and are operating to the satisfactory of the Commissioning Agent.

Diagnosis of problems. D. Correction of Contract deficiencies, defects and execution of Change Orders as required.

A. Performance testing.

B. Documentation of results.

E. Verification of results.

proper state of equilibrium.

THIRD PARTY TESTING 1. Third party independent testing will be carried out as requested in Contract Documents, Drawings and specifications, including mechanical and electrical, prior to substantial completion. Cooperate with independent testing agencies to enable thorough and detailed testing of all systems and equipment.

BALANCING 1. Prior to start of balancing, ensure systems are:

A. Piped, ducted, wired and wireless services and systems, including components and equipment B. Manually and mechanically operated, including components and equipment forming any part. C. Testing, adjusting and balancing will not be started until after all static checks have been

completed for the system being balanced and signed off on the commissioning report forms.

D. Contractor to ensure systems are operated at designated times, under conditions required for

proper testing, adjusting, and balancing. E. Report any deficiencies or defects which may effect the balancing or noted during testing, adjusting and balancing, which cannot be promptly corrected. 2. Cooperate with, and assist the balancing agent to ensure that the various parts of system are in a

SUBMITTALS & MAINTENANCE

1. Contractor's Inspection: Contractor, Project Manager and all Subcontractors shall conduct an

inspection of Work, identify deficiencies / defects, and repair as required to conform to

2. Consultant's Inspection: Consultant and Contractor will perform inspection of Work to identify

A. Work has been completed and inspected for compliance with Contract Documents.

D. Certificates required by authorities having jurisdiction and Consultants have been

4. Final Inspection: When items noted above are completed, request final inspection of Work by

Defective products will be rejected, regardless of previous inspections. Replace products at

Declaration of Substantial Performance: When Owner and Consultant considers deficiencies

and defects have been corrected and it appears requirements of Contract have been

7. Commencement of Warranty Periods: The date of Substantial Performance of the Work shall

Commencement of Lien Periods: The date of publication of the certificate of Substantial

Performance of the Work shall be the date for commencement of the lien period, unless

9. Final Payment: When Owner and Consultant considers final deficiencies and defects have

been corrected and it appears requirements of Contract have been completed, make

10. Payment of Hold-back: After issuance of certificate of Substantial Performance of the Work,

1. Prepare instructions and data using personnel experienced in maintenance and operation of

Consultant's comments. Revise content of documents as required prior to final submittal.

copy of operating and maintenance manuals in Canadian English. Provide physical format if

3. Ensure spare parts, maintenance materials and special tools provided are new, undamaged or

A. Organize data in the form of an instructional manual, digital or hard copy format as

B. Hard copy format to be formatted within hard cover binder(s), in typewritten and printed

D. Provide a Table of Contents sheet / file that included title of project, date of submission.

Names, addresses and telephone numbers of Consultant and Contractor, Project

E. For each product or system, list names, addresses and telephone numbers of

Manager with name of responsible partities and a schedule of products and systems.

F. Product Data: Mark each sheet to clearly identify specific products and component parts.

and data applicable to installation; delete inapplicable information. Provide logical

H. Certificate of Acceptance: Relevant certificates issued by authorities having jurisdiction.

including code compliance certificate, life safety systems performance certificate.

G. Drawings: Supplement product data to illustrate relations of component parts of

1. Provide maintenance and extra materials, in quantities specified in individual specification

catalogue all items. Submit inventory listing to Consultant, Include approved listings in

2. Provide special tools, in quantities specified in individual specification section. Provide items

Submit inventory listing to Consultant, Include approved listings in Maintenance Manual.

deterioration. Store in original and undamaged condition with manufacturer's seal and labels

3. Store spare parts, maintenance materials, and special tools in manner to prevent damage or

4. Remove and replace damaged products at own expense and to satisfaction of Consultant.

1 Record information on set of black line opaque drawings, and within the Project Manual

A. Measured depths of elements below surface in relation to finish first floor datum

product actually installed, particularly optional items and substitute items.

printed letters. Maintain as-built documents in clean, dry and legible condition.

Keep as-built documents and samples available for inspection by Consultant.

Annotate with coloured felt tip marking pens, maintaining separate colours for each major

system, for recording changed information. Record information concurrently with construction

B. Measured horizontal and vertical locations of underground utilities and appurtenances,

H. Specification changes including Manufacturer, trade name, and catalogue number of each

Store as-built documents and samples in secure, safe place as agreed to by Consultant and

Owner apart from documents used for construction. Provide files, racks, and secure storage as

required. Label as-built documents and file in accordance with section number listings in List of

Contents of the Project Manual. Label each document AS-BUILT DOCUMENTS in neat, large,

Prior to Substantial Performance of the Work, provide on USB the marked up information from

the as-built documents to a master set of Drawing and specification files provided by the

Consultant, with drawings in Autocad 2007 and Adobe Acrobat pdf, and specifications in

5. Employ a competent computer draftsperson to indicate changes on the electronic set of record

6. Submit completed record documents to Owner and Consultant on a USB, accompanied by

are in conformance with Contract Documents. Inaccurate or neglectful information shall

drawings. Employ a competent specification writer to indicate changes to the electronic set of

Submit final site survey certificate, certifying that elevations and locations of completed Work

Separate each warranty or bond with index tab sheets keyed to Table of Contents listing. List

manufacturers, within ten (10) days after completion of the applicable item of work. Except for

items put into use with Owner's permission, leave date of beginning of time of warranty until

Verify that documents are in proper form, contain full information, and are notarized. Co-

execute submittals when required. Retain warranties and bonds until time specified for

subcontractor, supplier, and manufacturer, with name, address, and telephone number of

2. Obtain warranties and bonds, executed in duplicate by subcontractors, suppliers, and

C Measured locations of internal utilities and appurtenances referenced to visible and

progress. Do not conceal Work of the Project until required information is accurately recorded.

AS-BUILT RECORDS, DOCUMENTS, SAMPLES AND SURVEY

Legibly mark each item to record actual construction, including:

referenced to permanent surface improvements.

G. References to related shop drawings and modifications

accessible features of construction

D. Field changes of dimension and detail.

Details not on original Contract Drawings

E. Changes made by change orders.

Adobe Acrobat pdf.

record specifications.

WARRANTIES AND BONDS

hard copy sets if required by Owner.

become a liability of the Contractor

the Date of Substantial Performance is determined.

sections. Provide items of same manufacture and quality as items in Work. Receive and

Maintenance Manual, Obtain receipt for delivered products and submit prior to final payment

with tags identifying their associated function and equipment. Receive and catalogue all items.

subcontractors and suppliers, including local source of supplies and replacement parts.

sequence of instructions for each procedure, incorporating manufacturer's instructions.

defective, and of same quality and manufacture as products provided in Work.

2. Prior to Substantial Performance of the Work, submit to Owner and Consultant one (1) digital

described products. Send copy to Consultant for review. Copy will be returned with

required otherwise by the lien legislation applicable at the Place of the Work.

substantially performed, make application for Substantial Performance of the Work.

Owner, Consultant, and Contractor. If Work is deemed incomplete by Owner and/or

Inspection and that corrections have been made. Request Consultant's Inspection.

3. Completion: Submit written certificate that following have been performed:

B. Defects have been corrected and deficiencies have been completed.

E. Operation of systems have been demonstrated to Owner's personnel.

Work is complete and ready for Final Inspection.

be the date for commencement of the warranty period.

submit an application for payment of hold-back amount.

4 Operation and Maintenance Manual requirements are as follows:

C. Arrange content by systems under Section numbers / sequence.

equipment and systems, to show control and flow diagrams.

Consultant, complete outstanding items and request reinspection.

Contract Documents. Notify Consultant in writing of satisfactory completion of Contractor's

defects or deficiencies. Correct defective and deficient Work accordingly. Send photos of

C. Equipment and systems have been tested, adjusted, balanced and are fully operational.

INSPECTIONS AND DECLARATIONS

own expense

application for final payment.

CLOSEOUT SUBMITTALS

requested by Owner.

required by Owner.

text and drawings.

MAINTENANCE MATERIALS

corrected work to Consultant if requested.

- 1. Demonstrate scheduled operation and maintenance of equipment, building systems to Owner's personnel two (2) weeks prior to date of final inspection or another time as agreed upon with Owner, Owner will provide list of personnel to receive instructions, and will coordinate their
 - attendance at agreed-upon times. 2. Submit reports within one (1) week after completion of demonstration, that demonstration and instructions have been satisfactorily completed. Give time and date of each demonstration,
 - with list of persons present.
 - 3. Provide copies of completed operation and maintenance manuals for use in demonstrations and instructions.

4. Ensure adequate amount of time required for instruction of each item of equipment is provided

- 1. Demonstrate start-up, operation, control, adjustment, trouble-shooting, servicing, and maintenance of each item of equipment at agreed upon times, at the equipment location.
- 2. Instruct personnel in all phases of operation and maintenance using operation and maintenance manuals as the basis of instruction. 3. Instruct personnel on control and maintenance of sensory equipment and operational
- equipment associated with maintaining energy efficiency and longevity of service. 4. Prepare and insert additional data in operations and maintenance manuals when the need for additional data becomes apparent during instructions.

SECTION 02 41 19 - SELECTIVE DEMOLITION

ALTERATION PROJECT PROCEDURES

DEMONSTRATION AND INSTRUCTIONS

TRAINING

- 1. Materials: As specified in Product sections; match existing Products and work for patching and
- extending work. . Employ skilled and experienced installer to perform alteration work. 3. Close openings in exterior surfaces to protect existing work from weather and extremes of
- temperature and humidity. 4. Remove, cut, and patch Work in a manner to minimize damage and to provide means of
- restoring Products and finishes to specified condition. 5. Refinish existing visible surfaces to remain in renovated rooms and spaces, to specified. renewed condition for each material, with a neat transition to adjacent finishes
- 6. Where new Work abuts or aligns with existing, provide a smooth and even transition. Patch Work to match existing adjacent Work in texture and appearance. 7. When finished surfaces are cut so that a smooth transition with new Work is not possible
- terminate existing surface along a straight line at a natural line of division and submit recommendation to Consultant for review. 8. Where a change of plane of 1/4 inch or more occurs, submit recommendation for providing a smooth transition to Consultant for review.
- 9. Patch or replace portions of existing surfaces which are damaged, lifted, discoloured, or showing other imperfections. 10. Finish surfaces as specified in individual Product sections.

ADMINISTRATIVE & REGULATORY REQUIREMENTS

- requirements of completing new work. . Include demolition steps in construction schedule provided to Owner and Consultant. B. Perform noisy work during hours in conformance with the AHJ noisy work restrictions and all
- other applicable local and provincial regulations. 4. Conform to applicable code for demolition work, dust control, products requiring electrical disconnection, reconnection,

1. Sequence work in order required for safe selective demolition and in coordination with

6. Do not close or obstruct egress width to any building or site exit. 7. Do not disable or disrupt building fire or life safety systems without three (3) days prior written notice to Owner and Consultant

8. Conform to applicable regulatory procedures when discovering hazardous or contaminated

9. Accurately record actual locations of capped utilities and/or subsurface obstructions on As-

Built drawings. SITE CONDITIONS & EXECUTION

5. Obtain required permits from authorities

not resume operations until directed.

- 1. Cease operations immediately if structure appears to be in danger and notify Consultant. Do
- 2. Provide, erect, and maintain temporary barriers, partitions at locations indicated or otherwise required while completing work. 3. Erect and maintain weatherproof closures for exterior openings.
- 4. Erect and maintain temporary partitions to prevent spread of dust, odours, and noise. 5. Protect existing materials which are not to be demolished. Prevent movement of structure; provide bracing and shoring.

8. Mark location and termination of utilities. 9. Provide appropriate temporary signage including signage for exit or building egress.

Remove temporary Work.

- DEMOLITION 1. Disconnect, remove, cap, identify designated utilities within demolition areas. Demolish in an orderly and careful manner. Protect existing supporting structural members.
- 3. Remove demolished materials from site except where specifically noted otherwise. Do not burn or bury materials on site. 4. Remove materials as Work progresses. Upon completion of Work, leave areas in clean

Notify affected utility companies before starting work and comply with their requirements.

TRUE NORTH



KEY PLAN

2024.08.07 PERMIT & TENDER 2024.06.03 CLIENT REVIEW

PROJECT NAME



The contractor shall check and verify all dimensions and report any errors or omissions to the consultant before commencing or proceeding with any work. Drawings prepared and issued by consultant are the property of the consultant These documents are not to be duplicated or copied without the consent of the

ARCHITECTURAL

SPECIFICATIONS PROJECT No. **24011** | SCALE O ARCHITECTS Z Elisia Revisi.

ELISIA M. G. NEVES

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DATE ISSUED

GALT ARENA DOORS

CITY OF CAMBRIDGE

www.fabrikarchitects.ca

58 Grand Avenue South, Unit 201, Cambridge ON, N1S 0B7

ARCHITECTS

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SECTION 08 41 13 - ALUMINUM-FRAMED **ENTRANCES & STOREFRONTS**

- 1. Product Data: Indicate frame configurations and finishes, location of cut-outs fo hardware
- 2. Shop Drawings: Indicate frame elevations, reinforcement, construction details, anchor types and spacing, location of cut-outs for hardware, and finish.
- . Samples: Provide physical samples of facotry-applied color finishes (minimum 2" x 4" in size) for review and verification of each finish being used.
- 4. Provide test reports for each type of aluminum-framed strorefront used in project. Test reports must be based on evaluation of comprehensive tests performed by a qualified preconstruction testing agency. Test reports must indicate compliance with Ontario Building Code performance
- 5. Door Hardware Schedule: Schedule shall detail fabrication and assembly of entrance door hardware, indcluding procedures and diagrams. Coordinate final entrance door hardware schedule with doors, frames and related work to ensure proper size, thickness, hand, function and finish of entrance door hardware. Refer to door hardware specification section and separate door hardware schedule.

QUALITY ASSURANCE

- . Installer must have successfully installed the same or similar units required for the project and other projects of similar size and scope with minimum five (5) years of experience. 2. Manufacturer must be capable of providing aluminum-framed storefront systems that meet or
- exceed performance the stated performance requirements. 3. Manufacturer must document this performance by the inclusion of test reports and
- 4. Obtain aluminum-framed storefront system through one source from a single manufacturer
- unless otherwise approved by Consultant.
- 5. Pre-installation Conference: Conduct a confrerence at project site before installation with all
- related and affected subtrades.
- 6. Field Measurements: Verify actual dimensions of aluminum-framed stroefront openings by field measurements before fabrication. Indicate measurements on shop drawings submitted for

ACCEPTABLE MANUFACTURERS

- 1. Kawneer Company, Inc. (Basis of Design) A. Trifab VersaGlaze 451T Framing System
- B. 2" x 4 1/2" nominal dimensions
- D. Center glazed E. Screw spline, shear block, stick or punched opening as recommended by manufacturer
- Substitutions: Refer to Substitutions specification section for procedure of submitting alternatives to basis of design.

MATERIALS AND ACCESSORIES

- A. Alloy and temper recommended by aluminum storefront manufacturer for strength,
- corrosion resistance, and application of required finish. B. Not less than 0.070" (1.8mm) wall thickness at any location for the main frame.
- Comply with ASTM B221: 6063-T6 alloy and temper 2. Fasteners:
- A. Nonmagnetic stainless steel or other materials must be non-corrosive and compatible with aluminum members, trim hardware, anchors, and other components.
- Anchors, Clips, and Accessories
- A. Aluminum, nonmagnetic stainless steel, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc coating. B. Anchors, clips, and accessories shall provide sufficient strength to withstand the design
- pressure indicated. 4. Reinforcing Members: A. Aluminum, nonmagnetic stainless steel, or nickel/chrome-plated steel complying with
- ASTM B 456 for Type SC 3 severe service conditions, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc Sealants:
- A. For sealants required within fabricated storefront system, provide permanently elastic. non-shrinking, and non-migrating type recommended by sealant manufacturer for joint size and movement.
- B. Colour to match frame. Tolerances:
- A. References to tolerances for wall thickness and other cross-sectional dimensions of storefront members are nominal and in compliance with AA Aluminum Standards and

STOREFRONT FRAMING SYSTEM

- Thermal Barrier:
- A. Kawneer IsoLock® Thermal Break with dual nominal 1/4" (6.4 mm) separation consisting of a two-part chemically curing, high-density polyurethane, which is mechanically and
- B. Thermal break shall be designed in accordance with AAMA TIR-A8 and tested in
- accordance with AAMA 505
- 2. Brackets and Reinforcements: A. Manufacturer's standard high-strength aluminum with non-staining, non-ferrous shims for
- aligning system components Fasteners and Accessories:
- A. Manufacturer's standard corrosion-resistant, non-staining, non-bleeding fasteners and
- accessories must be compatible with adjacent materials. B. Where exposed, fasteners and accessories shall be stainless steel. Indicate exposed
- locations on shop drawings for Consultant's review 4. Perimeter Anchors:
- A. When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.

GLAZING SYSTEM

- 1. Glazing to meet requirements in Division 08 Glazing Section.
- Glazing Gaskets: A. Manufacturer's standard compression types
- B. Replaceable, extruded EPDM rubber. Spacers and Setting Blocks:
- A. Manufacturer's standard elastomeric type. Bond-Breaker Tape:
- A. Manufacturer's standard TFE-fluorocarbon or polyethylene material to which sealants will not develop adhesion.

- 1. Exterior doors and frames shall have dark bronze anodized finish. Interior doors to have clear anodized finish to match existing adjacent frame remaining
- (provisional price item).

FABRICATION

- 1. Fabricate framing member components that, when assembled, have the following
- A. Profiles that are sharp, straight, and free of defects or deformations B. Accurately fitted joints that are flush, hairline, and weatherproof
- C. Means to drain water passing joints, condensation within framing members, and moisture migrating within the system to exterior
- D. Physical and thermal isolation of glazing from framing members E. Accommodations for thermal and mechanical movements of glazing and framing that
- maintain required glazing edge clearances
- Provisions for field replacement of glazing G. Fasteners, anchors, and connection devices that are concealed from view to the greatest extent possible
- 2. Mechanically Glazed Framing Members shall be fabricated for flush glazing without projecting
- 3. Storefront framing shall be fabricated with components for assembly using manufacturer's
- standard installation instructions.
- 4. After fabrication, clearly mark components to identify their locations in project according to shop drawings.

SECTION 08 41 13 - ALUMINUM-FRAMED **ENTRANCES & STOREFRONTS - continued**

DELIVERY, EXAMINATION AND INSTALLATION

- 1. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- Store materials so that they are protected from exposure to harmful weather conditions. Handle material and components to avoid damage.
- Protect material against damage from elements, construction activities, and other hazards before, during, and after installation 5. With installer present, examine openings, substrates, structural support, anchorage, and conditions for compliance with requirements for installation tolerances and other conditions
- affecting performance of work: Verify rough opening dimensions
- B. Verify levelness of sill plate
- C. Verify operational clearances D. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in
- components for proper water management Masonry surfaces must be visibly dry and free of excess mortar, sand, and other
- construction debris F. Wood frame walls must be dry, clean, sound, well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in opening and within 3"
- (76.2 mm) of opening. G. Metal surfaces must be dry and clean (free of grease, oil, dirt, rust, corrosion, and welding slag). Ensure that metal surfaces are without sharp edges or offsets at joints.
- H. Proceed with installation only after correcting unsatisfactory conditions. 6. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing
- aluminum-framed storefront system, accessories, and other components. Set sill members in bed of sealant or with gaskets, as indicated, for weather-tight construction. 8. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic
- action at points of contact with other materials. Install aluminum-framed storefront system so that components
- A. Are level, plumb, square, and true to line
- B. Are without distortion and do not impede thermal movement
- Are anchored securely in place to structural support D. Are in proper relation to wall flashing and other adjacent construction

SECTION 08 41 13 - ALUMINUM-FRAMED STOREFRONT DOORS

- 1. Shop Drawings: Indicate door elevations, reinforcement, construction details, anchor types and
- spacing, location of cut-outs for hardware, and finish. Samples: Provide physical samples of facotry-applied color finishes (minimum 2" x 4" in size) for review and verification of each finish being used.
- 3. Provide test reports for each type of aluminum-framed entrance door used in the project. Test reports must be based on evaluation of comprehensive tests performed by a qualified preconstruction testing agency.
- 4. Fabrication Sample: Provide a fabrication sample of a corner, consisting of a door stile and rail and using full-size components that show details of the joinery and glazing.
- 5. Door Hardware Schedule: Schedule shall detail fabrication and assembly of entrance door hardware, indcluding procedures and diagrams. Coordinate final entrance door hardware schedule with doors, frames and related work to ensure proper size, thickness, hand, function and finish of entrance door hardware. Refer to door hardware specification section and separate door hardware schedule.

QUALITY ASSURANCE

- 1. Installer must have successfully installed the same or similar units required for the project and
- other projects of similar size and scope with minimum five (5) years of experience Manufacturer must be capable of fabricating aluminum-framed entrance doors and storefronts
- that meet or exceed the stated performance requirements. 3. Manufacturer must document this performance by the inclusion of test reports and calculations.
- 4. Obtain aluminum-framed entrance doors through one source from a single manufacturer unless otherwise approved by Consultant. 5. Pre-installation Conference: Conduct a confrerence at project site before installation with all

related and affected subtrades

- ACCEPTABLE MANUFACTURERS 1. Kawneer Company, Inc. (Basis of Design)
- A. 500T Insulpour Thermal Entrance . Dimensional Requirements:
- Vertical face dimensions: 5" Top rail: 5"
- E. Bottom Rail: 6 1/2"
- Middle Horizontal Rail: 6"
- Major portions of the door members shall be 0.125" (3.2 mm) nominal thickness.
- H. Glazing molding shall be 0.05" (1.3 mm) thick. I. Glazing gaskets shall be either EPDM elastomeric extrusions or a thermoplastic
- . Provide adjustable glass jacks to help center the glass in the door opening. Substitutions: Refer to Substitutions specification section for procedure of submitting alternatives to basis of design.

MATERIALS AND ACCESSORIES

- Aluminum extrusions: A. Alloy and temper recommended by aluminum-framed entrance door manufacturer for
- strength, corrosion resistance, and application of required finish. B. Not less than 0.125" (3.2 mm) wall thickness at any location for the main frame and door leaf members
- Fasteners: A. Aluminum, nonmagnetic stainless steel or other materials must be non-corrosive and
- compatible with aluminum members, trim hardware, anchors, and other components Anchors, Clips, and Accessories: A. Aluminum, nonmagnetic stainless steel, or zinc-coated steel or iron complying with ASTM
- B 633 for SC 3 severe service conditions or other suitable zinc coating. B. Anchors, clips, and accessories shall provide sufficient strength to withstand the design pressure indicated. Reinforcing Members:
- A. Aluminum, nonmagnetic stainless steel, or nickel/chrome-plated steel complying with ASTM B 456 for Type SC 3 severe service conditions, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc
- 5. Slide-In Type Weather-Stripping: A. Provide woven-pile weather stripping of wool, polypropylene, or nylon pile and resin-
- impregnated backing fabric B. The door weathering on a single acting offset pivot or butt hung door and frame (single or pairs) shall be comprised of a thermoplastic elastomer weathering on a tubular shape with a semi-rigid polymeric backing and a wool pile with polymeric fin

mm) separation that consists of a two-part, chemically curing high density polyurethane

C. Comply with AAMA 701/702 Weather Seals: A. Provide weather stripping with integral barrier fin or fins of semi-rigid, polypropylene sheet or polypropylene-coated material.

B. Comply with AAMA 701/702. Thermal Barrier: A. Shall be IsoPour utilizing two continuous rows of polypropylene with a nominal 7/32" (5.5

which is mechanically and adhesively bonded to the aluminum at door rails and stiles. STOREFRONT FRAMING SYSTEM

GLAZING SYSTEM

1. Glazing to meet requirements in Division 08 Glazing Section.

A. Refer to Aluminum-framed entrances and strorefronts specification.

FINISHES

1. Exterior doors and frames shall have dark bronze anodized finish. 2. Interior doors to have clear anodized finish to match existing adjacent frame remaining (provisional price item).

SECTION 08 41 13 - ALUMINUM-FRAMED STOREFRONT DOORS - continued

FABRICATION

- 1. Fabricate aluminum-framed entrance doors in sizes indicated.
- Include a complete system for assembling components and anchoring doors. Fabrication requirements:

F. Hook-in type glazing stops with EPDM glazing gaskets reinforced with non-stretchable

- A. Thermally broken aluminum-framed doors shall be reglazable without dismantling perimeter framing.
- B. Door corner construction: C. Mechanical clip fastening
- SIGMA deep-penetration plug welds 1" (25.4 mm) long fillet welds inside and outside of all four corners
- G. Joint Construction:
- H. Accurately fit and secure joints and corners Make joints hairline in appearance Prepare components with internal reinforcement for door hardware
- K. Arrange fasteners and attachments to conceal from view. A. Provide weather-stripping locked into extruded grooves in door panels or frames as

DELIVERY, EXAMINATION, AND INSTALLATION

action at points of contact with other materials

- 1. Examine site as required for storefront system specifications and requirements.
- Proceed with installation only after correcting unsatisfactory conditions. 3. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing thermally broken aluminum-framed entrance doors, hardware, accessories, and other
- 4. Install thermally broken aluminum-framed entrance doors so that the doors: A. Are level, plumb, square, and true to line.

indicated on manufacturer's drawings and details.

B. Are without distortion and do not impede thermal movement. Are anchored securely in place to structural support. D. Are in proper relation to wall flashing and other adjacent construction.

Set the sill threshold in a bed of sealant, as indicated, for weathertight construction.

Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic

SECTION 08 80 50 - GLASS

PERFORMANCE REQUIREMENTS

- 1. Provide glass and glazing materials for continuity of building enclosure vapour retarder and air
- **A.** In conjunction with materials described in Drawings and that exist on site.
- B. To utilize the inner pane of multiple pane sealed units for the continuity of the air barrier and vapour retarder seal. C. To maintain a continuous air barrier and vapour retarder throughout the glazed assembly from glass pane to heel bead of glazing sealant.
- 2. Loads: Size glass to withstand dead loads and positive and negative live loads acting normal to plane of glass: A. As calculated in accordance with applicable code
- **B.** To a design pressure of suitable for application C. As measured in accordance with ASTM E330/E330M, AAMA CW-11 3. Limit glass deflection to flexural limit of glass 1/200 with full recovery of glazing materials,

whichever is less.

- 1. Product Data on Glass Types: Provide structural, physical and environmental characteristics,
- 2. Product Data on Glazing Compounds: Provide chemical, functional, and environmental characteristics, limitations, special application requirements. Identify available colours.

size limitations, special handling or installation requirements.

Samples: Submit two (2) samples 4 inch in size, exampling glass units, colouration Certificates: Certify that Products meet or exceed specified requirements. 5. Manufacturer's Certificate: Certify that glass, meets or exceeds specified requirements.

- **QUALITY ASSURANCE** Perform Work in accordance with IGMA, GANA Glazing Manual, GANA Sealant Manual, GANA
- Laminated Glazing Manual for glazing installation methods. Installer Qualifications: Company specializing in performing the work of this section with minimum three (3) years documented experience. 3. Ambient Site Conditions:

Do not install glazing when ambient temperature is less than 10 degrees

installation of glazing compounds.

A. Guardian Glass.

ACCEPTABLE MANUFACTURERS

alternatives to basis of design.

1. Vitro Architectural Glass (basis of design) 2. Other acceptable manufacturers offering functionally and aesthetically equivalent products.

B. Maintain minimum ambient temperature before, during and twenty-four (24) hours after

FLAT GLASS MATERIAL

1. Safety Glass: ASTM C1172, CAN/CGSB 12.1, ANSI Z97.1, clear, tempered; minimum 1/4

3. Substitutions: Refer to Substitutions specification section for procedure of submitting

2. Schedule by location: Part of provisional price item for interior door replacement. Refer to drawings and bid form

A. Doors N-I-01, N-I-02, N-I-03, S-I-01, S-I-02, S-I-03

- **SEALED INSULATED GLASS UNITS** 1. Insulating Glass Units: Double pane, tempered, clear interior and exterior lite, soft sputtered coating on #2 surface within unit; interpane space filled with dry hermtic air, with warm edge
- closed cell polymer foam, silicone sealant edge seal, total unit thickness of 1 inch. 2. Vitro Architectural Glass; Product: Solarban 60 (2) Clear + Clear
- A. Visible Light Transmittance: 70%. B. Exterior Reflectance: 11%. Interior Reflectance: 12%.
- D. U-Value (I-P): winter 0.29 E. SHGC: 0.39

1. Schedule by location: A. Doors N-E-01, N-E-02, N-E-03, S-E-01, S-E-02, S-E-03 B. Transom glass above doors. Refer to elevations.

- **EXAMINATION AND INSTALLATION** 1. Verify existing conditions before starting work.
- Verify that openings for glazing are correctly sized and within tolerance. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and ready to receive glazing.

Install sealant in accordance with manufacturer's written instructions

- Clean contact surfaces with solvent and wipe dry. Seal porous glazing channels or recesses with substrate compatible primer or sealer. . Prime surfaces scheduled to receive sealant.
- 8. Install glass with method recommended by manufacturer and coordinated with aluminum storefront system and aluminum doors 9. Inspection will monitor quality of glazing.

10. Clean glass and adjacent surfaces. SCHEDULE

- . Refer to locations listed under each type of glass.
- Exterior doors and transom windows to be insulated glass units. 3. Interior doors to be non-insulated tempered glass - provisional price item.

SECTION 08 71 00 - DOOR HARDWARE

SUBMITTALS & COORDINATION

- 1. Indicate locations and mounting heights of each type of hardware, schedules, catalogue cuts,
- electrical characteristics and connection requirements, finish options 2. Coordinate the work with other directly affected sections involving manufacture or fabrication of
- internal reinforcement for door hardware and recessed items
- 3. Coordinate Owner's keying requirements during the course of the Work. Preferred Vendor of
- City is Fraser Lock. Locks must be set for City's master keys.
- Record Documentation A. Record actual locations of installed cylinders and their master key code.
- B. Keys: Deliver with identifying tags to Owner by security shipment direct from hardware
- C. Tools: Provide wrenches and tools required for maintenance of equipment

QUALITY ASSURANCE & REGULATORY REQUIREMENTS

- Manufacturered to ISO 9000 certification requirements. 2. Conform to the following requirements:
- A. BHMA A156 Series.
- B. DHI A115 Series C. DHI WDHS-3.
- CSDMA. E. NFPA 80. F NFPA 252
- G. UL 10B. H. UL 305. CAN/ULC-S132
- J CAN/ULC-S104 3. Conform to applicable code for Products requiring electrical connection. Listed and classified by testing firm acceptable to the authority having jurisdiction CSA as suitable for the purpose
- specified and indicated 4. Able to integrate with City's master keys with Fraser Lock preferrable vendor.

WARRANTY

- ACCEPTABLE MANUFACTURERS
- 2. Muller Hardware & Supply

1. Provide five (5) year manufacturer warranty for door closers

3. Tykel Commercial Door and Supply Inc.

- PRODUCTS, KEYING AND FINISHES . Hinges: Stanley
- Cylinder Locks: Schlage Gasketing: Kncrowder
- Lever: Schlage Door Sweep: Kncrowder
- Threshold: Kncrowder 7. Automatic Door Operator: CAMDEN Door Controls, CM-7536
- A. Automatic Door Equipment: Electrically operated with push plate control device B. Door: Single swing, hinged operation
- Accommodate medium pedestrian traffic, and weight of doors D. System Design: Operate, hold open, and close doors under design wind and suction loads calculated in accordance with applicable code
- E. Operating Temperature Range: -7 to 60 degrees C ambient F. Operators: Fully adjustable for opening and closing speeds G. Coordination: Coordinate with other work having a direct bearing on work of this section
- H. Perform work in accordance with CAN/CSA-C22.2 No. 247, BHMA A156.10, BHMA A156.19, UL 325. Maintain one (1) copy of document on site I. Touch/Push Bar Control Device
- J. 36" Long column push plate switch, mounted vertical on wall K. Type to be wireless unless otherwise reviewed and accepted by Architect L. Exposed Operator and Components: Finish to be selected from manufacturer's standard

8. Door Lock Keying: Verify with Client. Preferred Vendor: Fraser Lock to be set for master kevs.

9. Finishes: To be confirmed by architect during shop drawing review. Match existing adjacent

- VERIFICATION, INSTALLATION, ADJUSTMENT
- 1. Verify that doors and frames are ready to receive work and dimensions are as indicated on Shop Drawings

Provide for thermal expansion and contraction of door and frame units and live and dead loads

9. Install pneumatic lines and door power units in a manner to prevent condensation or freezing

- 2. Verify that electric power is available to power operated devices and is of the correct characteristics 3. Install hardware to manufacturer's written instructions. Use templates provided by hardware
- item manufacturer. 4. Mounting heights for hardware from finished floor to centre line of hardware item: A. Locksets: 1024 mm. 40 5/16 inch A F F
- 5. Mounting heights for hardware from finished floor to centre line of hardware item, refer to: A. CSDMA, DHI WDHS-3, DHI A115 Series

that may be transmitted to operating equipment

Adjust hardware for smooth operation

10. Demonstrate operation, operating components, adjustment features, and lubrication

8. Provide for dimensional distortion of components during operation

SECTION 09 91 10 - PAINT

SUBMITTALS

- 1. Product Data: Submit information on all types of paint and primer being used in the project. 2. Provide paint draw down samples (minimum 4 inches x 4 inches in size) of each color with
- correct sheen being used
- EXTRA STOCK
- 1. Provide properly packaged maintenance material as follows 2. One (1) gal of each coating type and colour to Owner
- 3. Label each container with colour, type, texture and room locations in addition to manufacturer's

QUALITY ASSURANCE & REGULATORY REQUIREMENTS

- . Conform to MPI Painting Manual requirements for materials, preparation and workmanship.
- 2. Conform to applicable code for flame and smoke rating requirements for finishes, storage. mixing, application and disposal of paint and related waste materials
- 3. Conform to manufacturer's directions for the delivery, storage, protection, and installation of 4. Conform to applicable code for flame and smoke rating requirements for finishes, storage,

mixing, application and disposal of paint and related waste materials.

- GENERAL PRODUCT REQUIREMENTS 1. Conform to applicable code for flame and smoke rating requirements for finishes, storage
- mixing, application and disposal of paint and related waste materials Where possible, all materials to be lead and mercury free with low VOC content
- Where possible, all materials to be lead and mercury free with low VOC content 4. Paint to be of top commercial product line offered by manufacturer. Provide Dulux Diamond or

equal quality by other acceptable manufacturer's listed below

5. Walls inside of washrooms to recieve latex paint **ACCEPTABLE MANUFACTURERS / PRODUCTS**

1. Dulux - Diamond Grade

Benjamin Moore Sherwin Williams

removed prior to finishing

EXAMINATION, PREPARATION, APPLICATION & FINISHING

4. Remove and store or mask miscellaneous hardware and surface fittings such as electrical

5. Correct defects and clean surfaces which affect work of this section. Start of finish painting of

defective surfaces indicates acceptance of substrate and making good defects will be at no

- 1. Verify that substrate conditions, surfaces are ready to receive work as instructed by the
- 2. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application 3 Prepare surfaces in accordance with MPI requirements
- plates, hardware, light fixture trim, escutcheons, and fittings prior to painting. Clean and replace upon completion of painting Work in each area. Remove doors before painting to paint bottom and top edges and re-hung
- cost to Owner 6. Apply paint or stain in accordance with MPI Painting Manual Premium Grade finish
- 7. Apply products to adequately prepared surfaces, within moisture limits and acceptable environmental conditions 8. Apply each coat to uniform finish

9. Sand and dust between each coat to provide an anchor for next coat and to remove defects

13. Paint inside of ductwork and convector and baseboard heating cabinets where visible behind

louvers, grilles and diffusers for a minimum of 18 inch or beyond sight line, whichever is

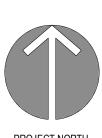
14. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings that were

12. Continue paint finish behind wall-mounted items such as chalk and tack boards

greater, with primer and one (1) coat of matt black (non-reflecting) paint

visible from a distance up to 39 inch 10. Vacuum clean surfaces free of loose particles. Use tack cloth just prior to applying next coat 11. Allow applied coat to dry before next coat is applied





KEY PLAN

PERMIT & TENDER

CLIENT REVIEW

ISSUED

2024.08.07

2024.06.03

DATE

PROJECT NAME

CITY OF CAMBRIDGE

58 Grand Avenue South, Unit 201, Cambridge ON, N1S 0B7 T. 519-743-0608 | info@fabrikarchitects.ca

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ARCHITECTURAL

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CHECKED By:

GALT ARENA DOORS

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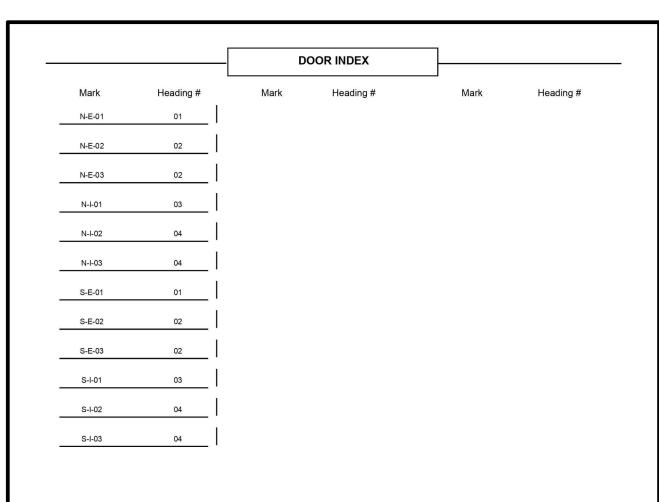
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12" = 1'-0"



Hardware Finishes

Finish	Description
689	POWDER COAT, ALUMINUM
695	POWDER COAT, DARK BRONZE
B.A.	BRONZE ANODIZED FINISH
BR	DARK BRONZE
C10B	SATIN BRONZE, OXIDIZED & OIL RUBBED
C32D	STAINLESS STEEL, SATIN
CL	CLEAR
M.A.	MILL FINISH
SP313	POWDER COAT DARK BRONZE
US10B	DARK OXIDIZED SATIN BRONZE, OIL RUBBED
US32D	SATIN STAINLESS STEEL

		HARDWARE SCHEDULE - CODE # 6581			
		GALT ARENA UPGRADES			
Head	ing # 01				
1 SGL	DOOR N-E-01 FROM		0	RHR	
1 SGL	DOOR S-E-01 FROM		0	LHR	
3-0 x 3	7-0 x 2 1/4 ALD Door/ ALF Fra	me	NON-	RTD Door/N	ON-RTD Frai
2	CONTINUOUS HINGE	SL27 BR LL X 83 X SDTF		BR	SEL
2	MORTISE EXIT DEVICE KEY RETRACTS LATCH BOLT (LEVER RIGID)	16-8904F 36 W LESS TRIM X C908 X KD (DEVCYL-W/ X KD)		US10B	SAR
2	PULL	GSH 1180-2 X #2 X [2-1/4 THICK DOOR]		C10B	GAL
2	OVERHEAD STOP/HOLDER, CONCEALED	104S		SP313	GLY
2	AUTO OPERATOR	MICOM KIT 25222 HARD WIRED ADO (SW800 ADO & 2 WIRED BUTTONS - INSTALLED)		BLK	G&A
2	DOOR SWEEP	W-13S X 36 W		B.A.	KNC
2	THRESHOLD	CT-10 X 36		M.A.	KNC
INTEG	AC TO HEAD, CONDUIT, WIRINH BRAL WEATHER SEAL BY AL DOOF ing # 02 DOOR N-E-02 FROM		0	RHR	
Head 1 SGL	GRAL WEATHER SEAL BY AL DOOF		0	RHR RHR	
Head 1 SGL 1 SGL 1 SGL	ing # 02 DOOR N-E-02 FROM DOOR N-E-03 FROM DOOR S-E-02 FROM		0	RHR LHR	
Head 1 SGL 1 SGL 1 SGL 1 SGL	ing # 02 DOOR N-E-02 FROM DOOR N-E-03 FROM DOOR S-E-02 FROM DOOR S-E-03 FROM	R AND FRAME SUPPLIER.	o o o	RHR LHR LHR	
Head 1 SGL 1 SGL 1 SGL 1 SGL 1 SGL	ing # 02 DOOR N-E-02 FROM DOOR N-E-03 FROM DOOR S-E-02 FROM DOOR S-E-03 FROM DOOR S-E-03 FROM	R AND FRAME SUPPLIER.	0 0 0 NON-	RHR LHR LHR RTD Door/N	ON-RTD Frai
Head 1 SGL 1 SGL 1 SGL 1 SGL 3-0 x 3	ing # 02 DOOR N-E-02 FROM DOOR N-E-03 FROM DOOR S-E-02 FROM DOOR S-E-03 FROM TOOR S-E-03 FROM DOOR S-E-03 FROM TOOR S-E-03 FROM TOOR S-E-03 FROM TOOR S-E-03 FROM TOOR S-E-03 FROM	me SL27 BR LL X 83 X SDTF	o o o NON-	RHR LHR LHR RTD Door/N BR	SEL
Head 1 SGL 1 SGL 1 SGL 1 SGL 1 SGL	ing # 02 DOOR N-E-02 FROM DOOR N-E-03 FROM DOOR S-E-02 FROM DOOR S-E-03 FROM DOOR S-E-03 FROM	R AND FRAME SUPPLIER.	o o o NON-	RHR LHR LHR RTD Door/N	
Head 1 SGL 1 SGL 1 SGL 1 SGL 4 4	ing # 02 DOOR N-E-02 FROM DOOR S-E-02 FROM DOOR S-E-02 FROM DOOR S-E-03 FROM CONTINUOUS HINGE MORTISE EXIT DEVICE EXIT ONLY OR DUMMY	me SL27 BR LL X 83 X SDTF 16-8910F 36 W NO TRIM X C908 (DEVCYL-W/ X KD) GSH 1180-2 X #2 X [2-1/4 THICK DOOR]	o o NON-	RHR LHR LHR RTD Door/N BR	SEL
Head 1 SGL 1 SGL 1 SGL 1 SGL 3-0 x 1	ing # 02 DOOR N-E-02 FROM DOOR S-E-02 FROM DOOR S-E-02 FROM DOOR S-E-03 FROM CONTINUOUS HINGE MORTISE EXIT DEVICE EXIT ONLY OR DUMMY TRIM	me SL27 BR LL X 83 X SDTF 16-8910F 36 W NO TRIM X C908 (DEVCYL-W/ X KD)	o o NON-	RHR LHR LHR RTD Door/N BR US10B	SEL SAR
Head 1 SGL 1 SGL 1 SGL 4 4 4 4 4 4	ing # 02 DOOR N-E-02 FROM DOOR S-E-02 FROM DOOR S-E-02 FROM DOOR S-E-03 FROM 7-0 x 2 1/4 ALD Door/ ALF Frair CONTINUOUS HINGE MORTISE EXIT DEVICE EXIT ONLY OR DUMMY TRIM PULL OVERHEAD STOP/HOLDER,	me SL27 BR LL X 83 X SDTF 16-8910F 36 W NO TRIM X C908 (DEVCYL-W/ X KD) GSH 1180-2 X #2 X [2-1/4 THICK DOOR]	o o NON-	RHR LHR RTD Door/N BR US10B	SEL SAR GAL
Head 1 SGL 1 SGL 1 SGL 4 4 4 4 4 4	ing # 02 DOOR N-E-02 FROM DOOR N-E-03 FROM DOOR S-E-02 FROM DOOR S-E-03 FROM 7-0 x 2 1/4 ALD Door/ ALF Frair CONTINUOUS HINGE MORTISE EXIT DEVICE EXIT ONLY OR DUMMY TRIM PULL OVERHEAD STOP/HOLDER, CONCEALED CLOSER, TOP JAMB DOOR SWEEP	me SL27 BR LL X 83 X SDTF 16-8910F 36 W NO TRIM X C908 (DEVCYL-W/ X KD) GSH 1180-2 X #2 X [2-1/4 THICK DOOR] 104S	o o NON-	RHR LHR LHR RTD Door/N BR US10B C10B SP313 695 B.A.	SEL SAR GAL GLY LCN KNC
Head 1 SGL 1 SGL 1 SGL 1 SGL 4 4 4 4 4 4	ing # 02 DOOR N-E-02 FROM DOOR N-E-03 FROM DOOR S-E-02 FROM DOOR S-E-03 FROM 7-0 x 2 1/4 ALD Door/ ALF Frai CONTINUOUS HINGE MORTISE EXIT DEVICE EXIT ONLY OR DUMMY TRIM PULL OVERHEAD STOP/HOLDER, CONCEALED CLOSER, TOP JAMB DOOR SWEEP THRESHOLD	me SL27 BR LL X 83 X SDTF 16-8910F 36 W NO TRIM X C908 (DEVCYL-W/ X KD) GSH 1180-2 X #2 X [2-1/4 THICK DOOR] 104S 4040XP.RWPA.695.SRT W-13S X 36 W CT-10 X 36	o o NON-	RHR LHR LHR RTD Door/N BR US10B C10B SP313 695 B.A. M.A.	SEL SAR GAL GLY LCN KNC KNC
Head 1 SGL 1 SGL 1 SGL 1 SGL 4 4 4 4	ing # 02 DOOR N-E-02 FROM DOOR N-E-03 FROM DOOR S-E-02 FROM DOOR S-E-03 FROM 7-0 x 2 1/4 ALD Door/ ALF Frair CONTINUOUS HINGE MORTISE EXIT DEVICE EXIT ONLY OR DUMMY TRIM PULL OVERHEAD STOP/HOLDER, CONCEALED CLOSER, TOP JAMB DOOR SWEEP	me SL27 BR LL X 83 X SDTF 16-8910F 36 W NO TRIM X C908 (DEVCYL-W/ X KD) GSH 1180-2 X #2 X [2-1/4 THICK DOOR] 104S 4040XP.RWPA.695.SRT W-13S X 36 W	o o NON-	RHR LHR LHR RTD Door/N BR US10B C10B SP313 695 B.A.	SEL SAR GAL GLY LCN KNC
Head 1 SGL 1 SGL 1 SGL 1 SGL 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ing # 02 DOOR N-E-02 FROM DOOR N-E-03 FROM DOOR S-E-02 FROM DOOR S-E-03 FROM 7-0 x 2 1/4 ALD Door/ ALF Frai CONTINUOUS HINGE MORTISE EXIT DEVICE EXIT ONLY OR DUMMY TRIM PULL OVERHEAD STOP/HOLDER, CONCEALED CLOSER, TOP JAMB DOOR SWEEP THRESHOLD	me SL27 BR LL X 83 X SDTF 16-8910F 36 W NO TRIM X C908 (DEVCYL-W/ X KD) GSH 1180-2 X #2 X [2-1/4 THICK DOOR] 104S 4040XP.RWPA.695.SRT W-13S X 36 W CT-10 X 36 4040XP-18G.695 AND BACK BOXES BY OTHERS.	o o NON-	RHR LHR LHR RTD Door/N BR US10B C10B SP313 695 B.A. M.A.	SEL SAR GAL GLY LCN KNC KNC

		HARDWARE SCHEDULE - CODE # 6581		– PROVISIC	MALTRICE
		GALT ARENA UPGRADES			
 Headir	ng # 03		Y		
SGL I	DOOR N-I-01 FROM		0	RHR	
SGL I	DOOR S-I-01 FROM		0	LHR	
3-0 x 7	7-0 x 2 1/4 EXST Door/ EXST	Frame	NON	-RTD Door/No	ON-RTD Fra
2	CONTINUOUS HINGE	SL27 CL LL X 83 X SDTF		CL	SEL
2	RIM EXIT DEVICE	8893F 36 W		US32D	SAR
2	PULL	GSH 1180-2 X #2 X [2-1/4 THICK DOOR]		C32D	GAL
2	OVERHEAD	104S		US32D	GLY
_	STOP/HOLDER, CONCEALED			00025	GET
2	AUTO OPERATOR	MICOM KIT 25222 HARD WIRED ADO (SW800 ADO & 2 WIRED BUTTONS - INSTALLED)		AL	G&A
INTEG	RAL WEATHER SEAL BY AL DOO	A AND BACK BOXES BY OTHERS. R AND FRAME SUPPLIER.			
INTEGI Headir	RAL WEATHER SEAL BY AL DOO		0	DHD	
INTEGI Headir . SGL I	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM		0	RHR	
Headir SGL I	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM DOOR N-I-03 FROM		0	RHR	
Headir SGL I SGL I	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM DOOR N-I-03 FROM DOOR S-I-02 FROM			RHR LHR	
Headir SGL I SGL I SGL I	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM DOOR N-I-03 FROM DOOR S-I-02 FROM DOOR S-I-03 FROM	OR AND FRAME SUPPLIER.	0	RHR LHR LHR	ON-RTD Fra
Headir SGL I SGL I SGL I SGL I	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM DOOR N-I-03 FROM DOOR S-I-02 FROM DOOR S-I-03 FROM 7-0 x 2 1/4 EXST Door/ EXST	Frame	0	RHR LHR LHR -RTD Door/No	
Headir SGL I SGL I SGL I SGL I SGL I	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM DOOR S-I-03 FROM DOOR S-I-02 FROM DOOR S-I-03 FROM 7-0 x 2 1/4 EXST Door/ EXST CONTINUOUS HINGE	Frame SL27 CL LL X 83 X SDTF	0	RHR LHR LHR -RTD Door/No	SEL
Headir SGL I SGL I SGL I SGL I SGL I 4	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM DOOR S-I-03 FROM DOOR S-I-03 FROM P-0 x 2 1/4 EXST Door/ EXST CONTINUOUS HINGE RIM EXIT DEVICE	Frame SL27 CL IL X 83 X SDTF 8893F X 36 W	0	RHR LHR LHR -RTD Door/NG CL US32D	SEL SAR
Headir SGL I SGL I SGL I SGL I SGL I	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM DOOR S-I-02 FROM DOOR S-I-02 FROM CONTINUOUS HINGE RIM EXIT DEVICE PUILL OVERHEAD	Frame SL27 CL LL X 83 X SDTF	0	RHR LHR LHR -RTD Door/No	SEL
Headir SGL I SGL I SGL I SGL I 3-0 x 7 4 4 4	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM DOOR S-I-03 FROM DOOR S-I-03 FROM P-0 x 2 1/4 EXST Door/ EXST CONTINUOUS HINGE RIM EXIT DEVICE PULL	Frame SL27 CL LL X 83 X SDTF 8893F X 36 W GSH 1180-2 X #2 X [2-1/4 THICK DOOR]	0	RHR LHR LHR -RTD Door/No CL US32D C32D	SEL SAR GAL
Headir SGL I SGL I SGL I SGL I 3-0 x 7 4 4 4	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM DOOR S-I-03 FROM DOOR S-I-03 FROM 7-0 x 2 1/4 EXST Door/ EXST CONTINUOUS HINGE RIM EXIT DEVICE PULL OVERHEAD STOP/HOLDER,	Frame SL27 CL LL X 83 X SDTF 8893F X 36 W GSH 1180-2 X #2 X [2-1/4 THICK DOOR]	0	RHR LHR LHR -RTD Door/No CL US32D C32D	SEL SAR GAL
Headii SGL I	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM DOOR S-I-02 FROM DOOR S-I-03 FROM 7-0 x 2 1/4 EXST Door/ EXST CONTINUOUS HINGE RIM EXIT DEVICE PULL OVERHEAD STOP/HOLDER, CONCEALED	Frame SL27 CL LL X 83 X SDTF 8893F X 36 W GSH 1180-2 X #2 X [2-1/4 THICK DOOR] 104S	0	RHR LHR LHR -RTD Door/No CL US32D C32D US32D	SEL SAR GAL GLY
Headin He	RAL WEATHER SEAL BY AL DOO ng # 04 DOOR N-I-02 FROM DOOR S-I-02 FROM DOOR S-I-02 FROM 7-0 x 2 1/4 EXST Door/ EXST CONTINUOUS HINGE RIM EXIT DEVICE PULL OVERHEAD STOP/HOLDER, CONCEALED CLOSER, TOP JAMB MISCELLANEOUS	Frame SL27 CL LL X 83 X SDTF 8893F X 36 W GSH 1180-2 X #2 X [2-1/4 THICK DOOR] 104S 4040XP.RWPA.689.SRT 4040XP-18G.689	0	RHR LHR LHR -RTD Door/NG CL US32D C32D US32D	SEL SAR GAL GLY

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2 AUTO OPERATORS FOR INTERIOR DOORS IS PART OF BASE BID PRICE.
FULL HEADING #3 AND FULL HEADING #4 SHALL BE PRICED AS PART OF PROVISIONAL PRICING TO REPLACE INTERIOR DOORS.





KEY PLAN

2024.08.07 2 PERMIT & TENDER 2024.06.03 1 CLIENT REVIEW DATE ISSUED

PROJECT NAME

GALT ARENA DOORS

CITY OF CAMBRIDGE

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DOOR HARDWARE **SPECIFICATIONS**



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2024-08-07 1:28:39 PM