# **GENERAL NOTES**

- THE ONTARIO BUILDING CODE, 2012 EDITION (LATEST REVISIONS) SHALL BE THE BASIS FOR THE DESIGN AND CONSTRUCTION OF THIS WORK.
- 2. ALL DIMENSIONS GIVEN ON THE DRAWINGS MUST BE FIELD CHECKED AND ANY INCONSISTENCIES REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 3. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT 1980, REG. 213/91, LATEST REVISIONS.
- 4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT PROVINCE OF ONTARIO AND CITY OF VAUGHAN STANDARDS.

# **GENERAL CONSTRUCTION NOTES**

- 1. THE CONTRACTOR IS TO MEET ALL THE REQUIREMENTS OF THE OWNERS OF THE UTILITIES ON THIS PLAN AND MUST MAKE SATISFACTORY ARRANGEMENTS WITH THE UTILITY COMPANIES FOR CROSSING THEIR INSTALLATIONS AND FOR PROVIDING ADEQUATE PROTECTION DURING CONSTRUCTION.
- 2. ALL ORGANIC, UNSTABLE OR UNSUITABLE MATERIALS BENEATH THE ROAD ALLOWANCE OR FOUNDATIONS OR FLOOR SLABS MUST BE REMOVED AND THESE AREAS BACK FILLED WITH AN APPROVED FILL MATERIAL, ALL TO THE SATISFACTION OF AN INDEPENDENT TESTING COMPANY.
- 3. FOR ALL DISCIPLINES, ANY PIPING DAMAGED OR CUT DURING CONSTRUCTION SHALL BE REINSTATED WITH LIKE MATERIAL(S), ALL AT NO COST TO THE CLIENT.

# **DEMOLITION & REMOVALS**

- REMOVE EXISTING MATERIALS AND COMPONENTS AS NOTED ON DRAWINGS. NOTIFY THE CONSULTANT IMMEDIATELY (AND PRIOR TO PROCEEDING) IF ADDITIONAL REMOVALS ARE REQUIRED IN ORDER TO FACILITATE THE COMPLETE SCOPE OF THE WORK.
- THE CONTRACTOR SHALL NOTIFY THE CONSULTANT IF ADDITIONAL REMOVALS ARE REQUIRED IN DETERIORATED AREAS (WHERE REHABILITATION WORK IS INTENDED). CONTRACTOR IS NOT TO PROCEED UNTIL THEY HAVE WRITTEN APPROVAL TO DO SO.
- 3. ALL DEBRIS AND GARBAGE MUST BE PROMPTLY REMOVED FROM THE SITE AT THE END OF EACH DAY.
- EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR TO RECYCLE ALL BUILDING MATERIALS, WHERE FACILITIES EXIST. THE CONTRACTOR IS RESPONSIBLE FOR ALL CHARGES AND FEES ASSOCIATED WITH THE REMOVAL OF GARBAGE AND ITEMS FOR RECYCLING. THE CONTRACTOR IS ALSO ENTITLED TO ANY REIMBURSEMENT FROM THE RECYCLED MATERIALS.
- 5. EXERCISE SPECIAL CARE DURING REMOVALS IN FINISHED AREAS TO NOT DAMAGE EXISTING SURFACES.
- 6. ALL SURFACES DAMAGED DURING CONSTRUCTION ARE TO BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER.

### SITE SAFETY

EXECUTION OF THE WORK.

- PORTIONS OF THE SITE ARE TO REMAIN IN-USE DURING CONSTRUCTION. ENCLOSE WORK AREA WITH STEEL MODULAR FENCE.
- 2. CONTRACTOR TO PROVIDE SIGNAGE ON EXTERIOR AND INTERIOR SIDE OF BUILDING ADVISING THAT THE VARIOUS ITEMS OF CONSTRUCTION INSIDE AND OUTSIDE ARE UNDER CONSTRUCTION.
- CONTRACTOR TO EXERCISE SPECIAL ATTENTION TO NOISE AND DUST GENERATION WITH RESPECT TO OCCUPANTS AND VISITORS DURING ALL PHASES OF THE WORK. 4. CONTRACTOR SHALL ERECT TEMPORARY PLATFORMS, SCAFFOLDING, SHORING, RAMPS, STAIRS ETC. AS REQUIRED FOR THE SAFE

## **CLOSEOUT NOTE:**

THE CONTRACTOR IS TO PROVIDE ALL CLOSEOUT DOCUMENTS IN ACCORDANCE WITH THE CITY'S FRONT-END. IN ADDITION, THE CONTRACTOR IS TO ENSURE THAT ALL CLOSEOUT DOCUMENTS (INCLUDING MAINTENANCE AND OPERATIONAL MANUALS) ARE PROVIDED IN PDF.

# WARRANTY NOTE:

- 1. AT A MINIMUM, THE CONTRACTOR IS TO PROVIDE A TWENTY-FOUR (24) MONTH WARRANTY PERIOD FOR ALL WORK UNDERTAKEN AS PART OF THIS PROJECT.
- 2. AT A MINIMUM, ANY SUB-CONTRACTORS AND/OR SUB-TRADES ARE TO PROVIDE A TWENTY-FOUR (24) MONTH WARRANTY
- PERIOD FOR ALL WORK UNDERTAKEN AS PART OF THIS PROJECT. 3. THE CONTRACTOR IS TO REFER TO THE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON EXTENDED WARRANTIES FOR SPECIFIC EQUIPMENT AND/OR WORK.

# **EXISTING WALL/CEILING MOUNTED ITEMS:**

ON ANY WALL/CEILING SURFACES REQUIRING WORK. ANY MOUNTED ITEMS WHICH ARE NOT PART OF THE SCOPE OF REMOVAL ARE TO BE CAREFULLY REMOVED AND EITHER STOCKPILED FOR REINSTALLATION OR REROUTED FOR FUNCTIONING SYSTEMS THIS INCLUDES, BUT IS NOT LIMITED TO, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, FIRST AID KITS, FIRE ALARM PANELS, ELECTRICAL OUTLETS AND/OR CONDUITS, FIRE SAFETY PLANS, NOTIFICATION BOARDS, EXIT SIGNS, LIGHTS, HEATERS, DIFFUSERS, WAYFINDINGS, VENTILATION GRILLES, ETC.

# **EXISTING SIGNAGE:**

IT IS IMPERATIVE THAT ANY EXIT SIGNAGE OR DIRECTIONAL SIGANGE OR BARRIER FREE SIGNAGE OR SPECIFIC FACILITY SIGNAGE THAT IS REMOVED TO FACILITATE THE WORK IS REINSTALLED ONCE ALL WORK HAS BEEN COMPLETED. REINSTALLATION SHALL BE IN APPROVED LOCATIONS AND AT APPROVED MOUNTING HEIGHTS.

#### **TEMPORARY SHORING:**

WHILE IT IS NOT ANTICIPATED THAT ANY TEMPORARY SHORING WILL BE REQUIRED FOR THIS PROJECT, IF TEMPORARY SHORING IS REQUIRED THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING THE TEMPORARY SHORING REQUIRED FOR THE WORKS INCLUDING WORKS ALONG THE EXISTING BUILDING FACE/EXISTING EXTERIOR WALLS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR SUBMITTING CERTIFIED SHOP DRAWINGS (STAMPED BY AN ENGINEER, LICENSED TO PRACTICE IN ONTARIO) FOR THE TEMPORARY SHORING. THIS DOCUMENTATION WILL NEED TO BE SUBMITTED TO THE CONSULTANT WHO WILL FORWARD TO THE BUILDING OFFICIALS (IF REQUIRED THE CONTRACTOR WILL BE RESPONSIBLE FOR ANSWERING ANY QUESTIONS OR SUBMITTING ANY CLARIFICATIONS/INFORMATION REQUESTED BY THE BUILDING OFFICIALS.

# **GENERAL NOTES FOR ROOF PENETRATIONS**

- ALL ROOF PENETRATIONS (FOR ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, REFRIGERATION, ETC.) FOR NEW WORKS ARE TO BE REPAIRED SUCH THAT THE NEW PENETRATION IS WATERPROOF AND EXISTING ROOF DAMAGED IS REPAIRED TO A CONDITION AS GOOD AS OR BETTER THAN THE ORIGINAL.
- 2. IF APPLICABLE, PROVIDE NEW STACK JACK/PITCH POCKETS AS REQUIRED AND INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS INCLUDING ALL MASTIC AND/OR SEALANT.

# **GENERAL NOTES FOR CONCRETE WORK**

- CONSTRUCTION.
- 2. LEAVE PLASTIC IN PLACE FOR A MINIMUM OF 7 DAYS
- 3. MATERIALS:
- b. CLASS OF EXPOSURE: C-1 c. REBAR: Fy = 400 MPa (CSA G30.18-09)4. FINISH OF CONCRETE AS NOTED BELOW:
- b. VERTICAL FACES: SMOOTH FORM FINISH. FILL ALL VOIDS.
- 5. TO AVOID UNDERMINING, BACKFILL SHOULD BE WITHIN 102 (4") OF TOP OF SLAB. 6. CONTRACTION JOINTS MUST BE CUT WITHIN 24 HOURS OF CONCRETE PLACEMENT IN INTERVALS AS SHOWN ON THE
- DRAWINGS
- 7. MAXIMUM SLUMP IS TO BE 76 (3").
- - DURING EXCAVATION.
  - REMOVALS.
  - DENSITY (SPMDD).
  - 12. JOINT SEALANT TO BE TYPE 1 CLASS B.

## SHOP DRAWINGS:

#### SHOP DRAWING SUBMITTALS

ENGINEER FOR REVIEW.

ITEM SOIL BEARING CAPACITY SOIL COMPACTION REINFORCING STEEL PLACEMENT CONCRETE COMPRESSIVE TESTS CONCRETE SLUMP STRUCTURAL STEEL BOLTING STRUCTURAL STEEL WELDING

THE FOLLOWING ITEMS SHALL BE SUBM UNLESS NOTED OTHERWISE.

ITEM REBAR SHOP DRAWINGS CONCRETE MIX DESIGNS STRUCTURAL STEEL SHOP DRAWINGS JOIST/TRUSS SHOP DRAWINGS MISCELLANEOUS STEEL HAND/GUARD R DOOR SCHEDULES, DOOR HARDWARE WINDOW SCHEDULES. WINDOW HARDWA BARRIER FREE COMPONENTS FOR DOOF MECHANICAL EQUIPMENT ELECTRICAL EQUIPMENT REFRIGERATION FOUIPMEN REFRIGERATION ROOM LAYOUT REFRIGERATION PIPING LAYOUT

						1	
		No.	REVISIONS	DATE	BY	CONSULTANT	ENGINEER'S STAMF
DESIGN	PTM/JAM	1	ISSUED FOR CLIENT REVIEW	NOV 02/2022	JAM	C. C.	PROFES
DRAWN	EMB	2	ISSUED TENDER	NOV 23/2022	JAM		att Pro-
CHECKED	PTM/JAM						State Contract
APPROVED	PTM/JAM					Peter T. Mitches & Associates Limited	· arento S
DATE	OCTOBER 2022						J.A. MI 10008
						Project Managers & Consulting Engineers	NOV 23
CAD	6528A01-01					LONDON TORONTO	PROVINCE C
							WCE C



1. ALL WORK SHALL CONFORM TO CAN/CSA - A23.1-14 CONCRETE MATERIALS AND METHODS OF CONCRETE

PROPER INSTALLATION OF CONCRETE IS IMPORTANT TO MINIMIZE CRACKS AND OBTAIN DESIRED CONCRETE STRENGTH. CURING: A MINIMUM AMOUNT OF CURING IS RECOMMENDED TO OBTAIN A DURABLE HARD CONCRETE. THIS CAN BE OBTAINED BY COVERING THE SURFACE WITH VISQUEEN PLASTIC IMMEDIATELY AFTER THE CONCRETE HAS HARDENED. a. COLD WEATHER INSTALLATION: DO NOT ALLOW CONCRETE TO FREEZE FOR AT LEAST 7 DAYS AFTER CONCRETE HAS SET. FOLLOW RECOMMENDATION OF ACI DOCUMENT 306 TITLED "COLD WEATHER CONCRETING" b. HOT WEATHER INSTALLATION: DO NOT ALLOW SURFACE TO DRY BEFORE APPLYING VISQUEEN PLASTIC OR OTHER CURING MEDIUM. FOLLOW RECOMMENDATION OF ACI DOCUMENT 305R-10 TILED "HOT WEATHER CONCRETING".

a. CONCRETE: 40 MPa IN 28 DAYS, 6% AIR ENTRAINMENT.

a. RAMPS: BROOM FINISH ON SURFACE (PERPENDICULAR TO THE DIRECTION OF TRAVEL)

8. FOR ALL HOUSEKEEPING PADS, CHAMFER ALL EXPOSED EDGES OF CONCRETE 25 (1")

9. BRING TO THE ATTENTION OF THE ENGINEER ANY OBJECTS, OLD FOUNDATIONS OR POOR SOILS ENCOUNTERED

10. REMOVE SOFTENED OR LOOSE SOIL PRIOR TO PLACING CONCRETE. RE-LEVEL AND RE-COMPACT BASE AFTER

11. COMPACT BACKFILL IN 203 (8") THICK LIFTS MAXIMUM. BACKFILL TO 98% STANDARD PROCTOR MAXIMUM DRY

13. MAINTAIN A MINIMUM OF 76 (3") COVERAGE OVER REBAR IN SLABS.

1. PRIOR TO THE SUBMISSION OF SHOP DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND PERFORM A DETAILED SITE SURVEY INCLUDING SITE MEASUREMENTS AND ELECTRICAL RATINGS. 2. CONTRACTOR RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS FOR THE NEW WORK AND ALL ASSOCIATED COMPONENTS. THIS IS TO INCLUDE PRODUCT CUT SHEETS FOR ALL ITEMS.

THE FOLLOWING ITEMS REQUIRE TESTING OR INSPECTION BY A CERTIFIED INDEPENDENT TESTING OR INSPECTION AGENCY. UNLESS NOTED OTHERWISE. THE AGENCY SHALL SEND COPIES OF ALL TESTING AND INSPECTION REPORTS TO THE

	REG	UIRED?	COMME	ENTS	
	NO		BY INDEPEN	NDENT TESTING (	COMPANY
	NO		BY INDEPEN	NDENT TESTING (	COMPANY
	NO		INSPECT FI	NAL PLACEMENT	
	NO		MINIMUM 2	SETS/100m <sup>3</sup>	
	NO			,	
	NO				
	NO		INSPECT AL	L FIELD WELDS	
MITTED TO	) THE ENGI	NEER FOR REV	IEW PRIOR TO FABE	RICATION. SUBMI	T TWO COPIES

<u>K</u> t	EQUIRED SUBMITTAL?	P.ENG. STAMP REQUIRED
	NO	NO
	NO	NO
	NO	YES (CONNECTIONS)
	NO	YES
RAILS	NO	YES
	NO	NO
RE	NO	NO
DRS/WINDOWS	NO	NO
•	NO	NO
	NO	NO
	YES	NO
	YES	NO
	YES	NO

#### GENERAL NOTES FOR MASONRY WORK

- EXTERIOR/INTERIOR MASONRY REPLACEMENT: 1. ALL WORK SHALL CONFORM TO CAN/CSA S304-14(R2019) DESIGN OF MASONRY STRUCTURES, CAN/CSA A370:14(R2018) CONNECTORS FOR MASONRY AND CAN/CSA A371-14(R2019) MASONRY CONSTRUCTION FOR BUILDINGS.
- REMOVE DETERIORATED MASONRY UNITS IN LOCATIONS SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE CONSULTANT. DO NOT REMOVE SECTIONS GREATER THAN 900mm WIDE WITHOUT PROVIDING SHORING. COMPLETELY REMOVE FULL MASONRY UNITS AND ADJACENT MORTAR JOINTS - TOOTH/STEP ALL REMOVALS.
- 3. FIRED CLAY BRICK UNITS MUST BE SOURCED TO MATCH EXISTING SIZE AND COLOUR. MASONRY SHALL COMPLY TO CAN/CSA A82:14(R2018) BURNED CLAY BRICK (SOLID MASONRY UNITS MADE FROM CLAY OR SHALE), GRADE SW, MAXIMUM WATER ABSORPTION OF 11.5% AND A SATURATION COEFFICIENT OF 0.95 IN 24-HR COLD WATER SUBMERSION TEST AND COMPLYING WITH FREEZE-THAW TESTS UNDER THIS STANDARD. PROVIDE SAMPLES OF ALL MASONRY UNITS PROPOSED FOR REPLACEMENT FOR APPROVAL BY THE CONSULTANT AND THE OWNER SHOWING THE FULL COLOUR/PATTERN AND SIZE.
- 4. NEW CONCRETE BLOCK UNITS SHALL CONFORM TO CAN/CSA A165 SERIES 14(R2019), CSA STANDARDS ON CONCRETE MASONRY UNITS, CAN/CSA A371-14(R2019), MASONRY CONSTRUCTION FOR BUILDINGS AND CAN/CSA S304-14(R2019), DESIGN OF MASONRY STRUCTURES. SOURCE SIMILAR-SIZED UNITS TO MATCH EXISTING WHERE POSSIBLE. LIGHTWEIGHT BLOCK MAY BE USED IN NON-LOAD-BEARING CONDITIONS WITH APPROVAL FROM THE CONSULTANT
- 5. MORTAR SHALL BE TYPE "N" OR "S" TO CAN/CSA A179-14(R2019), MORTAR AND GROUT FOR UNIT MASONRY, MIN. 12.5 MPa COMPRESSIVE STRENGTH. COLOUR GREY, TO MATCH EXISTING.
- 6. INSTALL NEW MASONRY UNITS TO BLEND WITH EXISTING UNITS IN COLOUR, SIZE AND CONFIGURATION. BUTTER ALL SIDES OF REPLACED MASONRY UNITS. ENSURE MORTAR JOINT SIZE, COLOUR AND CONFIGURATIONS MATCH EXISTING, AS CLOSELY AS POSSIBLE.
- 7. TOOL ALL JOINTS TO MATCH EXISTING SIZE & PROFILE.
- 8. FOR AREA WITH 3 BRICKS/BLOCKS OR MORE TO BE REPLACED, PROVIDE MASONRY ANCHORS AT 1219 (4') HORIZONTALLY AND 406 (16") VERTICALLY. ANCHORS SHALL BE 'FLEX-O-LOK' ANCHORS BY BLOK-LOK FOR BLOCK WALL BACKUP OR 4.76 (3/6") STAINLESS STEEL WIRE INTO EXISTING SLOTTED ANCHORS IN STEEL STUD WALL BACKUP

MORTAR JOINT REPOINTING:

- 1. CUT CRACKED OR DETERIORATED MORTAR JOINTS WITH A MINI-GRINDER C/W DIAMOND WHEEL, MINIMUM 25 (1") DEEP. TAKE EXTRA CARE TO NOT DAMAGE ADJACENT MASONRY UNITS. CLEAN ALL DUST AND DEBRIS.
- 2. INSTALL NEW MORTAR TO COMPLETELY FILL ALL REMOVED AREAS. RAKE & TOOL JOINT TO MATCH EXISTING AND TO ENSURE POSITIVE DRAINAGE.
- 3. REPOINTING MORTAR SHALL BE TYPE "N" OR "S" TO CAN/CSA A179-14(R2019). COLOUR GREY, TO MATCH EXISTING.
- 4. REPAINT MORTAR JOINTS IN EXISTING TO MATCH EXISTING WHERE APPLICABLE.

EXISTING WALL REMOVALS:

1. AT AREAS WHERE EXISTING MASONRY WALLS ARE REMOVED AND THE REMOVAL AREA WILL BE VISIBLE, PROVIDE A SMOOTH FACE EXPOSED FINISH AT THE REMOVAL LOCATION (IE, DO NOT LEAVE MASONRY GAPS OR ROUGH MASONRY RESIDUE AT REMOVAL LOCATIONS).



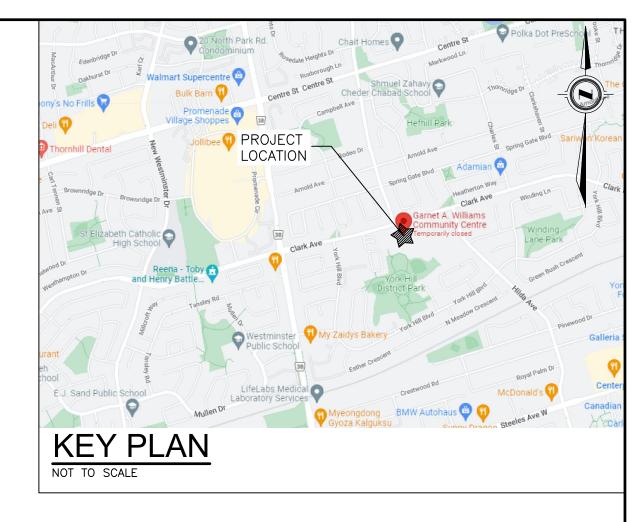




The Contractor shall check and verify all dimensions and report all errors and omissions to OWNER Designee for his/her written direction before proceeding with the Work.



A Detail No. B Sheet No. where detailed SCALE



#### STRUCTURAL STEEL

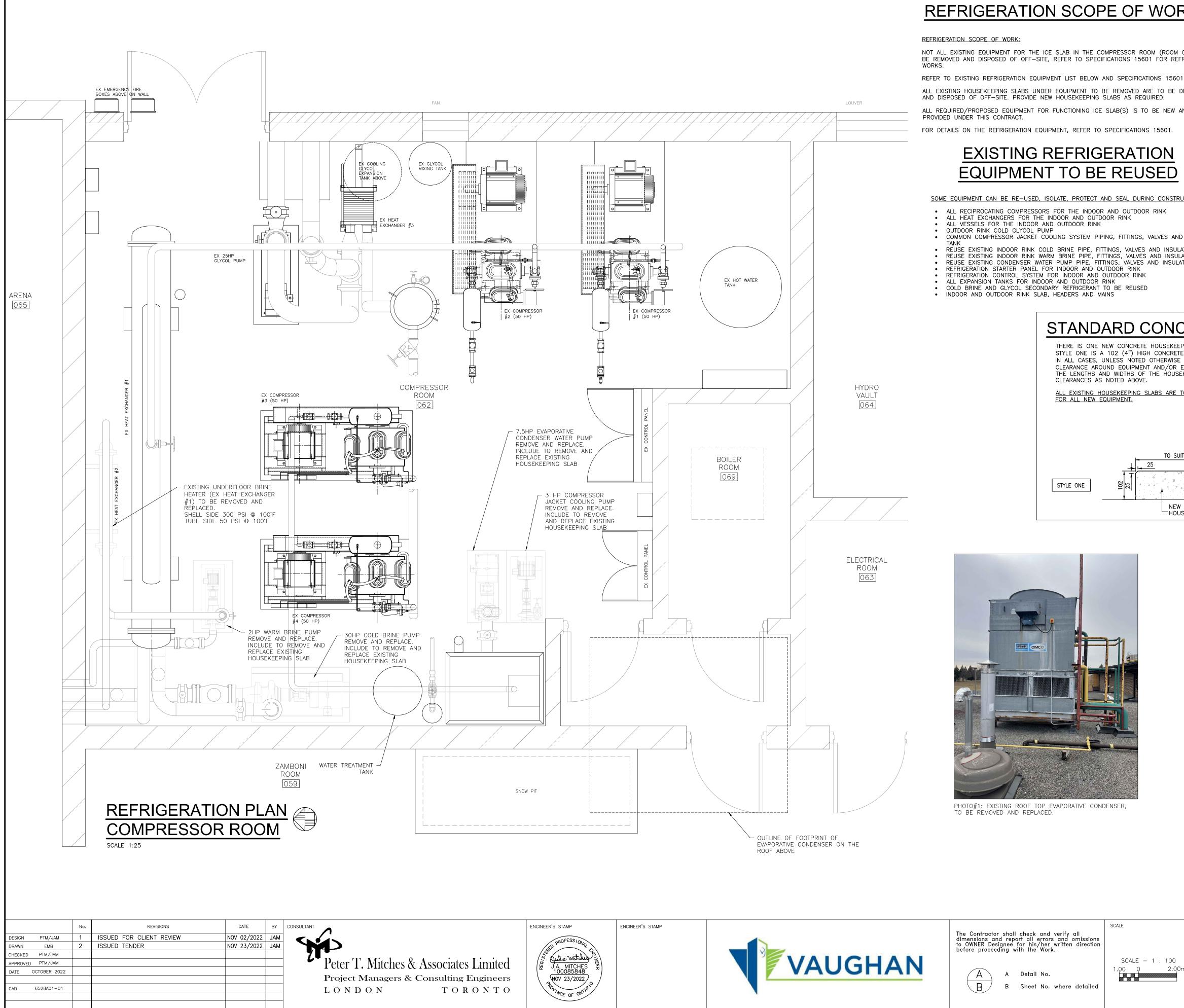
- 1. ALL STRUCTURAL STEEL INCLUDING ANCHOR BOLTS, PLATES AND ROLLED SECTIONS TO BE G40.21 - GRADE 44W.
- 2. ALL WELDING TO CONFORM TO: 1) CSA STANDARD W59-18 "WELDED STEEL CONSTRUCTION" (METAL ARC WELDING). 2) CSA STANDARD W55.3-08(R2018) "CERTIFICATION OF COMPANIES FOR RESISTANCE WELDING OF STEEL AND ALUMINUM"
- 3. STRUCTURAL STEEL FABRICATOR TO BE CERTIFIED BY THE CANADIAN WELDING BUREAU (CWB) -DIVISION 2.1.
- 4. ALL STRUCTURAL FIELD WELDING TO BE PERFORMED BY A CANADIAN WELDING BUREAU CERTIFIED CERTIFICATES TO BE SUBMITTED TO OWNER PRIOR TO START OF WORK
- 5. STRUCTURAL STEEL ERECTOR TO BE CWB CERTIFIED.
- 6. ALL STRUCTURAL STEEL TO RECEIVE SHOP PAINT IN ACCORDANCE WITH CANADIAN GENERAL STANDARDS BOARD (CGSB) SPECIFICATION 1-GP-40D. PRIMER, IRON OXIDE OIL ALKYD TYPE OR APPROVED EQUAL.

#### STRUCTURAL SUPPORT FOR ROOF PENETRATIONS

FOR ALL ROOF PENETRATIONS REQUIRED THROUGH ANY EXISTING ROOFING (ESPECIALLY ANY EX SIPOREX ROOFING), THE CONTRACTOR IS TO PROVIDE SEALED STRUCTURAL DRAWINGS DENOTING METHOD OF STRUCTURAL SUPPORT FOR ALL PENETRATIONS. THIS INCLUDES FOR ALL PENETRATIONS, INCLUDING PIPING, SUPPORT FRAMES, ETC.

LIST OF DRAWINGS				
REFRIGERATION				
Sheet No. R1	REFRIGERATION PLAN KEY PLAN, GENERAL NOTES, LIST OF DRAWINGS			
Sheet No. R2	REFRIGERATION PLAN COMPRESSOR ROOM DEMOLITION & NEW WORKS			
Sheet No. R3	REFRIGERATION PLAN EX FLOW DIAGRAM REPLACEMENT ITEMS			
L				





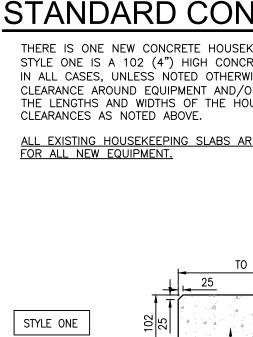
### **REFRIGERATION SCOPE OF WC**

BE REMOVED AND DISPOSED OF OFF-SITE, REFER TO SPECIFICATIONS 15601 FOR

ALL EXISTING HOUSEKEEPING SLABS UNDER EQUIPMENT TO BE REMOVED ARE TO

ALL REQUIRED/PROPOSED EQUIPMENT FOR FUNCTIONING ICE SLAB(S) IS TO BE NE

## **EXISTING REFRIGERATION** EQUIPMENT TO BE REUSEI





<u>/ORK</u>	EXISTING REFRIGERATION EQUIPMENT
(ROOM 062) IS TO OR REFRIGERATION 5 15601. TO BE DEMOLISHED D. NEW AND IS TO BE 5601.	<ul> <li>EXISTING REFRIGERATION EQUIPMENT INSTALLED AT THIS FACILITY TO BE DEMOLISHED: (INCLUDE FOR REMOVALS OF ALL VALVES, HANGERS, PIPING, ETC.</li> <li>ONE (1) COMMON EVAPORATIVE CONDENSER INCLUDING STARTER (ROOF TOP UNIT)</li> <li>ONE (1) COMMON EVAPORATIVE CONDENSER WATER TANK</li> <li>ONE (1) COMMON EVAPORATIVE CONDENSER WATER PUMP INCLUDING STARTER</li> <li>ONE (1) SHELL &amp; TUBE UNDERFLOOR HEAT EXCHANGER</li> <li>ONE (1) INDOOR COLD BRINE PUMP INCLUDING STARTER</li> <li>ONE (1) INDOOR WARM BRINE PUMP INCLUDING STARTER</li> <li>ONE (1) COMMON COMPRESSOR JACKET COOLING PUMP</li> </ul>
DNE CONSTRUCTION: NK VES AND EXPANSION INSULATION INSULATION DNCRETE HOU	<section-header><section-header><section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></section-header></section-header></section-header></section-header></section-header>
ND/OR EQUIPMENT BASES MOUNTED HOUSEKEEPING SLABS SHALL SUIT	FOR THIS PROJECT. ACTURER, PROVIDE A MINIMUM OF 152 (6") ON THE NEW HOUSEKEEPING SLABS. THE NEW EQUIPMENT AND THE MINIMUM REQUIRED SED OFF-SITE. PROVIDE NEW HOUSEKEEPING SLABS
	CHAMFER ALL CORNERS 25 (1") TYPICAL EXISTING CONCRETE FLOOR SLAB

#### STRUCTURAL SUPPORT FOR ROOF PENETRATIONS

FOR ALL ROOF PENETRATIONS REQUIRED THROUGH ANY EXISTING ROOFING (ESPECIALLY EX SIPOREX ROOFING), THE CONTRACTOR IS TO PROVIDE SEALED STRUCTURAL DRAWINGS DENOTING METHOD OF STRUCTURAL SUPPORT FOR ALL PENETRATIONS. THIS INCLUDES FOR ALL PENETRATIONS, INCLUDING PIPING, SUPPORT FRAMES, ETC.

## ROOFTOP PIPING SUPPORTS

ALL ROOFTOP PIPING SUPPORTS SHALL BE IN ACCORDANCE WITH CURRENT ONTARIO INDUSTRIAL ROOFING CONTRACTORS ASSOCIATION (OIRCA) TECHNICAL BULLETIN: 2018-01 AND CURRENT REQUIREMENTS OF CSA B149.1–15.

#### **ROOFTOP CONDENSER SUPPORTS**

THE EXISTING ROOFTOP CONDENSER IS BEING REMOVED AND REPLACED WITH A NEW UNIT. THE BASIC FOOTPRINT IS THE SAME AND THE EXISTING STEEL FRAME SLEEPERS ARE TO BE REUSED FOR THE NEW

	UNIT. ONCE THE EXISTING UNIT HAS BEEN DISCONNECTED AND REMOVED FROM THE ROOF AND PRIOR TO INSTALLATION OF THE NEW UNIT, SCRAPE, GRIND AND CLEAN THE EXISTING SLEEPERS TO REMOVE SURFACE RUST AND DIRT. PAINT ENTIRE STEEL FRAME SLEEPERS WITH A ZINC RICH PAINT. PROVIDE AT LEAST TWO COATS OF ZINC RICH PAINT.			
ſ				
	REFRIGERATION UPGRADES AT GARNET A. WILLIAMS COMMUNITY CENTRE LOCATED AT 501 CLARKE AVE. W., THORNHILL, ON L4J 4E5	PROJECT №. 6528/A01-01		
n	REFRIGERATION PLAN COMPRESSOR ROOM	SHEET NO.		
	DEMOLITION & NEW WORKS	PLAN FILE №. 6528/A01-01		

