

GENERAL NOTES

1. THIS SET OF DRAWINGS SHOWS THE COMPLETED PROJECT. THEY DO NOT INCLUDE COMPONENTS THAT MAY BE NECESSARY FOR CONSTRUCTION SAFETY. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY IN AND ABOUT THE JOB SITE DURING CONSTRUCTION AND THE DESIGN AND ERECTION OF ALL TEMPORARY STRUCTURES. FORM WORK, FALSE WORK, SHORING, ETC. REQUIRED TO COMPLETE THE WORK.
2. THE USE OF THESE DRAWINGS IS LIMITED TO THAT IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION" OR "ISSUED FOR TENDER" IN THE REVISIONS COLUMN.
3. THE INFORMATION ON THIS DRAWING SHALL NOT BE USED FOR ANY OTHER THAN THE SPECIFIED WORKS OR PART OF THE WORKS FOR WHICH IT HAS BEEN AUTHORIZED BY THE CONTRACT ADMINISTRATOR.
4. DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT THE WRITTEN PERMISSION OF CONTRACT ADMINISTRATOR. CONTRACTOR TO PROVIDE APPROPRIATE ATTACHMENTS AND CONNECTIONS FOR MECHANICAL, ELECTRICAL, AND OTHER SERVICES WITHOUT CUTTING OR DRILLING.
5. THE CONTRACTOR SHALL PROVIDE REASONABLE NOTICE TO CONTRACT ADMINISTRATOR PRIOR TO POURING CONCRETE OR CONCEALING ANY COMPONENTS. THE PURPOSE OF THIS NOTICE IS TO ENABLE THE CONTRACT ADMINISTRATOR TO CONDUCT ANY REQUIRED FIELD REVIEWS.
6. A ROOFING CONTRACTOR ACCEPTABLE TO THE PROJECT COORDINATOR SHALL BE RETAINED TO PATCH AND MAKE GOOD ALL AREAS REQUIRED BY WORK OF THE MECHANICAL AND ELECTRICAL TRADES, INCLUDING BUT NOT LIMITED TO MAU-1, RTU-1, GAS PIPING, AND POWER/CONTROL WIRING. REFER TO MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS.

NON-LOAD BEARING FRAMING

REFERENCES

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
ASTM C 645-99, STANDARD SPECIFICATION FOR NON-STRUCTURAL STEEL FRAMING MEMBERS.
ASTM C 754-98A, STANDARD SPECIFICATION FOR INSTALLATION OF STEEL FRAMING MEMBERS TO RECEIVE SCREW-ATTACHED GYPSUM PANEL PRODUCTS.
PRODUCTS

NON-LOAD BEARING CHANNEL STUD FRAMING: TO ASTM C 645, MM STUD SIZE AS INDICATED, ROLL FORMED FROM 0.53 MM THICKNESS HOT DIPPED GALVANIZED STEEL SHEET, FOR SCREW ATTACHMENT OF GYPSUM BOARD. KNOCK-OUT SERVICE HOLES AT 480 MM CENTRES.
FLOOR AND CEILING TRACKS: TO ASTM C 645, IN WIDTHS TO SUIT STUD SIZES, 32 MM FLANGE HEIGHT.
METAL CHANNEL STIFFENER: STANDARD SIZE, 1.4 MM THICK COLD ROLLED STEEL, COATED WITH RUST INHIBITIVE COATING.
ACOUSTICAL SEALANT: TO CAN/CGSB-19.21.

FIRE STOPPING

REFERENCES

UNDERWRITER'S LABORATORIES OF CANADA (ULC)
ULC-S115-1995, FIRE TESTS OF FIRESTOP SYSTEMS.

MATERIALS

FIRE STOPPING AND SMOKE SEAL SYSTEMS, IN ACCORDANCE WITH ULC-S115.
ASBESTOS-FREE MATERIALS AND SYSTEMS CAPABLE OF MAINTAINING AN EFFECTIVE BARRIER AGAINST FLAME, SMOKE AND GASES IN COMPLIANCE WITH REQUIREMENTS OF ULC-S115 AND NOT TO EXCEED OPENING SIZES FOR WHICH THEY ARE INTENDED AND CONFORMING TO SPECIAL REQUIREMENTS SPECIFIED IN 3.5.
FIRESTOP SYSTEM RATING: AS INDICATED.
SERVICE PENETRATION ASSEMBLIES: CERTIFIED BY ULC IN ACCORDANCE WITH ULC-S115 AND LISTED IN ULC GUIDE NO.40 U19.
SERVICE PENETRATION FIRESTOP COMPONENTS: CERTIFIED BY ULC IN ACCORDANCE WITH ULC-S115 AND LISTED IN ULC GUIDE NO.40 U19.13 AND ULC GUIDE NO.40 U19.15 UNDER THE LABEL SERVICE OF ULC.
FIRE-RESISTANCE RATING OF INSTALLED FIRE STOPPING ASSEMBLY IN ACCORDANCE WITH NBC.
FIRE STOPPING AND SMOKE SEALS AT OPENINGS INTENDED FOR EASE OF RE-ENTRY SUCH AS CABLES: ELASTOMERIC SEAL.
OTHER MECHANICAL ITEMS REQUIRING SOUND AND VIBRATION CONTROL: ELASTOMERIC SEAL.
PRIMERS: TO MANUFACTURER'S RECOMMENDATION FOR SPECIFIC MATERIAL, SUBSTRATE, AND END USE.
WATER (IF APPLICABLE): POTABLE, CLEAN AND FREE FROM INJURIOUS AMOUNTS OF DELETERIOUS SUBSTANCES.
DAMMING AND BACKUP MATERIALS, SUPPORTS AND ANCHORING DEVICES: TO MANUFACTURER'S RECOMMENDATIONS, AND IN ACCORDANCE WITH TESTED ASSEMBLY BEING INSTALLED AS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
SEALANTS FOR VERTICAL JOINTS: NON-SAGGING.

JOINT SEALERS

REFERENCES

CANADIAN GENERAL STANDARDS BOARD (CGSB)
CAN/CGSB-19.13-M97, SEALING COMPOUND, ONE-COMPONENT, ELASTOMERIC, CHEMICAL CURING.
CAN/CGSB-19.17-M90, ONE-COMPONENT ACRYLIC EMULSION BASE SEALING COMPOUND.
CAN/CGSB-19.22-M89 MILDEW RESISTANT, SEALING COMPOUND FOR TUBS AND TILES.
CAN/CGSB-19.24-M90 MULTI-COMPONENT, CHEMICAL CURING SEALING COMPOUND.
AMERICAN SOCIETY FOR TESTING AND MATERIALS INTERNATIONAL, (ASTM)
ASTM C919-02, STANDARD PRACTICE FOR USE OF SEALANTS IN ACOUSTICAL APPLICATIONS.

MATERIALS

PREFORMED COMPRESSIBLE AND NON-COMPRESSIBLE BACK-UP MATERIALS.
POLYETHYLENE, URETHANE, NEOPRENE OR VINYL FOAM. EXTRUDED CLOSED CELL FOAM BACKER ROD. SIZE: OVERSIZE 30 TO 50 %. NEOPRENE OR BUTYL RUBBER. ROUND SOLID ROD, SHORE A HARDNESS 70.

SEALANT SELECTION

JOINTS IN /BETWEEN CONCRETE, CONCRETE BLOCK AND MASONRY WALL (INTERIOR AND EXTERIOR): CAN/CGSB-19.24. ADMINISTRATION AREAS .
JOINTS BETWEEN METAL FRAME AND GYPSUM BOARD: CAN/CGSB-19.13 TYPE MCG, CLASS 2-40.
JOINTS IN GYPSUM BOARD WALLS: CAN/CGSB-19.13 TYPE MCG, CLASS 2-40.

COLOURS: COLOURS SHALL BE SELECTED FROM MANUFACTURER'S STANDARD COLOUR RANGE. COLOURS TO MATCH MATERIAL / BACKGROUND COLOUR UPON WHICH THEY OCCUR. FINAL COLOUR SELECTION BY CONTRACT ADMINISTRATOR.

JOINT CLEANER - NON-CORROSIVE AND NON-STAINING TYPE, COMPATIBLE WITH JOINT FORMING MATERIALS AND SEALANT RECOMMENDED BY SEALANT MANUFACTURER.
PRIMER: AS RECOMMENDED BY MANUFACTURER.

GYPSUM BOARD

REFERENCES

AMERICAN SOCIETY FOR TESTING AND MATERIALS INTERNATIONAL, (ASTM)
ASTM C36/CS6M-01, SPECIFICATION FOR GYPSUM WALLBOARD.
ASTM C1177-01, SPECIFICATION FOR GLASS MAT GYPSUM SUBSTRATE FOR USE AS SHEATHING.
ASTM C1178/C1178M-01, SPECIFICATION FOR GLASS MAT WATER-RESISTANT GYPSUM BACKING BOARD.
ASTM C476-01, SPECIFICATION FOR JOINT COMPOUND AND JOINT TAPE FOR FINISHING GYPSUM BOARD.
ASTM C514-01, SPECIFICATION FOR NAILS FOR THE APPLICATION OF GYPSUM BOARD.
ASTM C557-99, SPECIFICATION FOR ADHESIVES FOR FASTENING GYPSUM WALLBOARD TO WOOD FRAMING.
ASTM C840-01, SPECIFICATION FOR APPLICATION AND FINISHING OF GYPSUM BOARD.
ASTM C954-00, SPECIFICATION FOR STEEL DRILL SCREWS FOR THE APPLICATION OF GYPSUM PANEL.

MATERIALS

STANDARD BOARD: TO ASTM C36/CS6M REGULAR, AND TYPE X, 1200 MM WIDE X MAXIMUM PRACTICAL LENGTH. ENDS SQUARE CUT, EDGES BEVELED, THICKNESS AS INDICATED.
DRYWALL FURRING CHANNELS: 0.5 MM CORE THICKNESS GALVANIZED STEEL CHANNELS FOR SCREW ATTACHMENT OF GYPSUM BOARD.
RESILIENT CLIPS DRYWALL FURRING: 0.5 MM BASE STEEL THICKNESS GALVANIZED STEEL FOR RESILIENT ATTACHMENT OF GYPSUM BOARD.
NAILS: TO ASTM C514. STEEL DRILL SCREWS: TO ASTM C1002. STUD ADHESIVE: TO ASTM C557.
LAMINATING COMPOUND: AS RECOMMENDED BY MANUFACTURER, ASBESTOS-FREE.
CASING BEADS, CORNER BEADS, CONTROL JOINTS AND EDGE TRIM: TO ASTM C1047, ABS, PVC, ZINC-COATED, ALUMINUM COATED 0.5 MM BASE THICKNESS, PERFORATED FLANGES, ONE PIECE LENGTH PER LOCATION. SEALANTS: IN ACCORDANCE WITH POLYETHYLENE: TO CAN/CGSB-51.34. INSULATING STRIP: RUBBERIZED, MOISTURE RESISTANT, 3 MM THICK CORK OR CLOSED CELL NEOPRENE STRIP, 12 MM WIDE, WITH SELF STICKING PERMANENT ADHESIVE ON ONE FACE. LENGTHS AS REQUIRED. JOINT COMPOUND: TO ASTM C475, ASBESTOS-FREE.

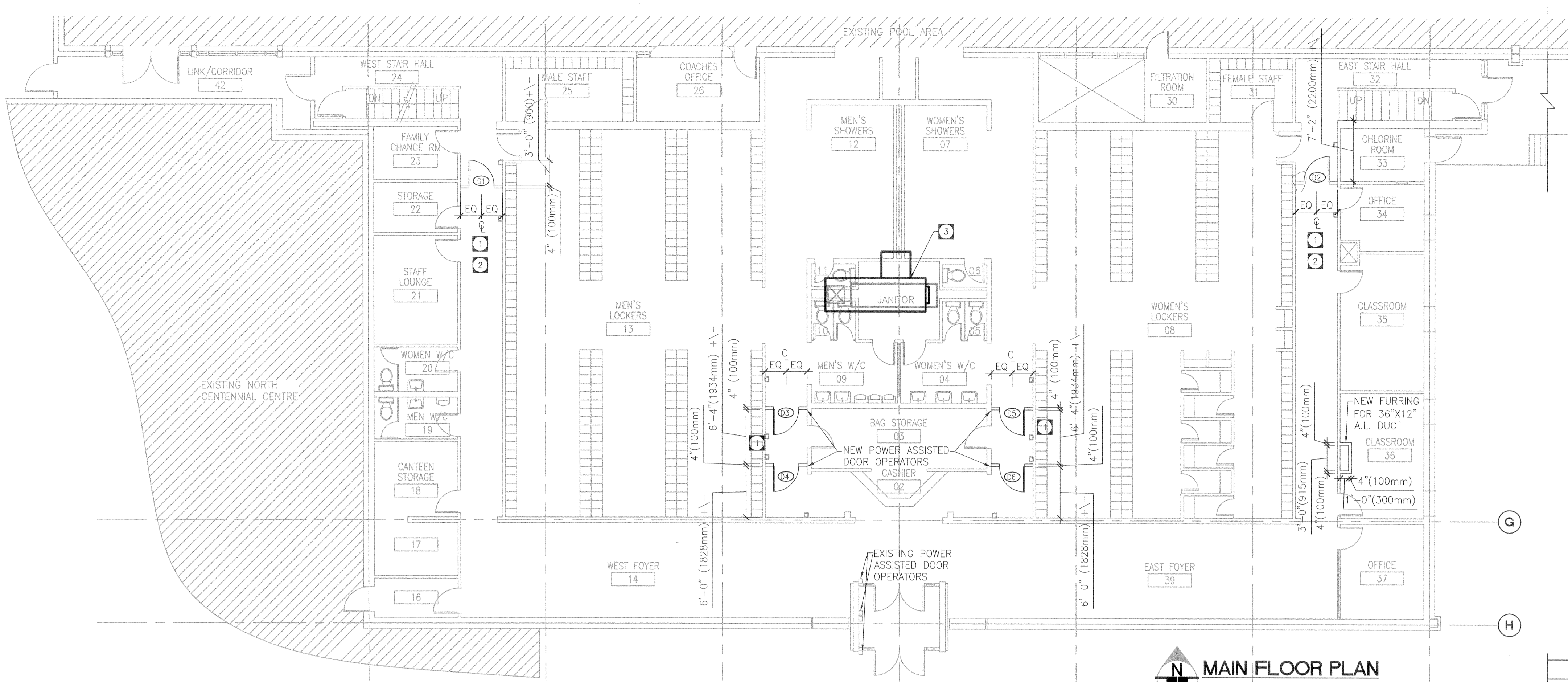
DOOR HARDWARE

REFERENCES

CSDIFMA CANADIAN METRIC GUIDE FOR STEEL DOORS AND FRAMES (MODULAR CONSTRUCTION): STANDARD HARDWARE LOCATION DIMENSIONS. ANSI/BHMA A156.1-1981, BUTTS AND HINGES. ANSI/BHMA A156.3-1984, EXIT DEVICES. ANSI/BHMA A156.4-1986, DOOR CONTROLS (CLOSERS). ANSI/BHMA A156.5-1984, AUXILIARY LOCKS AND ASSOCIATED PRODUCTS. ANSI/BHMA A156.6-1986, ARCHITECTURAL DOOR TRIM. ANSI/BHMA A156.8-1982, DOOR CONTROLS - OVERHEAD HOLDERS.
ANSI/BHMA A156.10-1991, POWER-OPERATED PEDESTRIAN DOORS. ANSI/BHMA A156.12-1986, INTERCONNECTED LOCKS AND LATCHES. BHMA A156.13-1987, MORTISE LOCKS AND LATCHES. ANSI/BHMA A156.14-1991, SLIDING AND FOLDING DOOR HARDWARE. ANSI/BHMA A156.15-1981, CLOSER/HOLDER RELEASE DEVICE. ANSI/BHMA A156.16-1981, AUXILIARY HARDWARE. ANSI/BHMA A156.17-1987, SELF-CLOSING HINGES AND PIVOTS. LOW ENERGY POWER OPERATED DOORS. ANSI/BHMA A156.20-1984, STRAP AND TEE HINGES AND HASPS.

MATERIALS
HARDWARE ITEMS - USE ONE MANUFACTURER'S PRODUCTS ONLY FOR SIMILAR ITEMS.
DOOR HARDWARE - AS INDICATED IN SCHEDULE.

FASTENINGS - USE ONLY FASTENERS PROVIDED BY MANUFACTURER. FAILURE TO COMPLY MAY VOID WARRANTIES AND APPLICABLE LICENSED LABELS. SUPPLY SCREWS, BOLTS, EXPANSION SHIMS AND OTHER FASTENING DEVICES REQUIRED FOR SATISFACTORY INSTALLATION AND OPERATION OF HARDWARE. EXPOSED FASTENING DEVICES TO MATCH FINISH OF HARDWARE. FASTENING DEVICES, AND INSTALL SO PULL CAN BE SECURED THROUGH DOOR FROM REVERSE SIDE. INSTALL PUSH PLATE TO COVER FASTENERS. USE FASTENERS COMPATIBLE WITH MATERIAL THROUGH WHICH THEY PASS.



DRAWING NOTES:

1. ALL DIMENSIONS TO BE CONFIRMED ON SITE.
2. MATCH EXISTING BASE COVE FOR DOORS #1 & #2.
3. EXISTING MAKE-UP AIR UNIT TO BE REMOVED AND REPLACED WITH NEW. SEE MECHANICAL DRAWINGS. REMOVE EXISTING BASE RAILS AND PREPARE ROOF FOR NEW ROOF CURB. INSTALL NEW ROOF CURB (SUPPLIED BY MECHANICAL), AND PATCH AND REPAIR ROOFING AS REQUIRED.

DOOR SCHEDULE

DOOR NO.	OPERATION	DOOR DATA		FINISHING	FRAME DATA		WALL THICK -NESS	HARD-WARE CODE
		DESCRIPTION / CONSTRUCTION			CONSTRUCTION / FINISH			
D1	L.H.	NARROW STYLE ALUMINUM (KAWNEER 190 OR EQUAL) w/ FULL GLAZING		CLEAR ANODIZED FINISH #17	915	2030	ALUMINUM FRAME	100 01
D2	R.H.	NARROW STYLE ALUMINUM (KAWNEER 190 OR EQUAL) w/ FULL GLAZING		CLEAR ANODIZED FINISH #17	915	2030	ALUMINUM FRAME	100 01
D3	R.H.	NARROW STYLE ALUMINUM (KAWNEER 190 OR EQUAL) w/ FULL GLAZING		CLEAR ANODIZED FINISH #17	915	2030	ALUMINUM FRAME	100 01
D4	R.H.	NARROW STYLE ALUMINUM (KAWNEER 190 OR EQUAL) w/ FULL GLAZING		CLEAR ANODIZED FINISH #17	915	2030	ALUMINUM FRAME	100 01
D5	L.H.	NARROW STYLE ALUMINUM (KAWNEER 190 OR EQUAL) w/ FULL GLAZING		CLEAR ANODIZED FINISH #17	915	2030	ALUMINUM FRAME	100 01
D6	L.H.	NARROW STYLE ALUMINUM (KAWNEER 190 OR EQUAL) w/ FULL GLAZING		CLEAR ANODIZED FINISH #17	915	2030	ALUMINUM FRAME	100 01

ISOLATE ALUMINUM FROM DIRECT CONTACT WITH DISSIMILAR METALS, CONCRETE AND MASONRY.

HW SET, OF			
13 EA	HEAVY DUTY HINGES	3CBHW 4.5 X 4	852 IBE
1 EA	PULL HANDLES	8305-6	630 IBE
1 EA	PUSH PLATES	8200	630 IBE
1 EA	POWERED AUTO-EQUALIZER	4830	689 LCN
1 EA	KICKPLATE	K10A 12" X WIDTH TO SUIT	630 STD
1 EA	WALL STOP	S121/S123	626 STD
4 EA	WALL PLATE SWITCH **	7910-956	630 LCN
1 SET	WEATHERSTRIP	W-21	80X JNC
1 EA	DOOR BOTTOM	BT-52	828 JNC

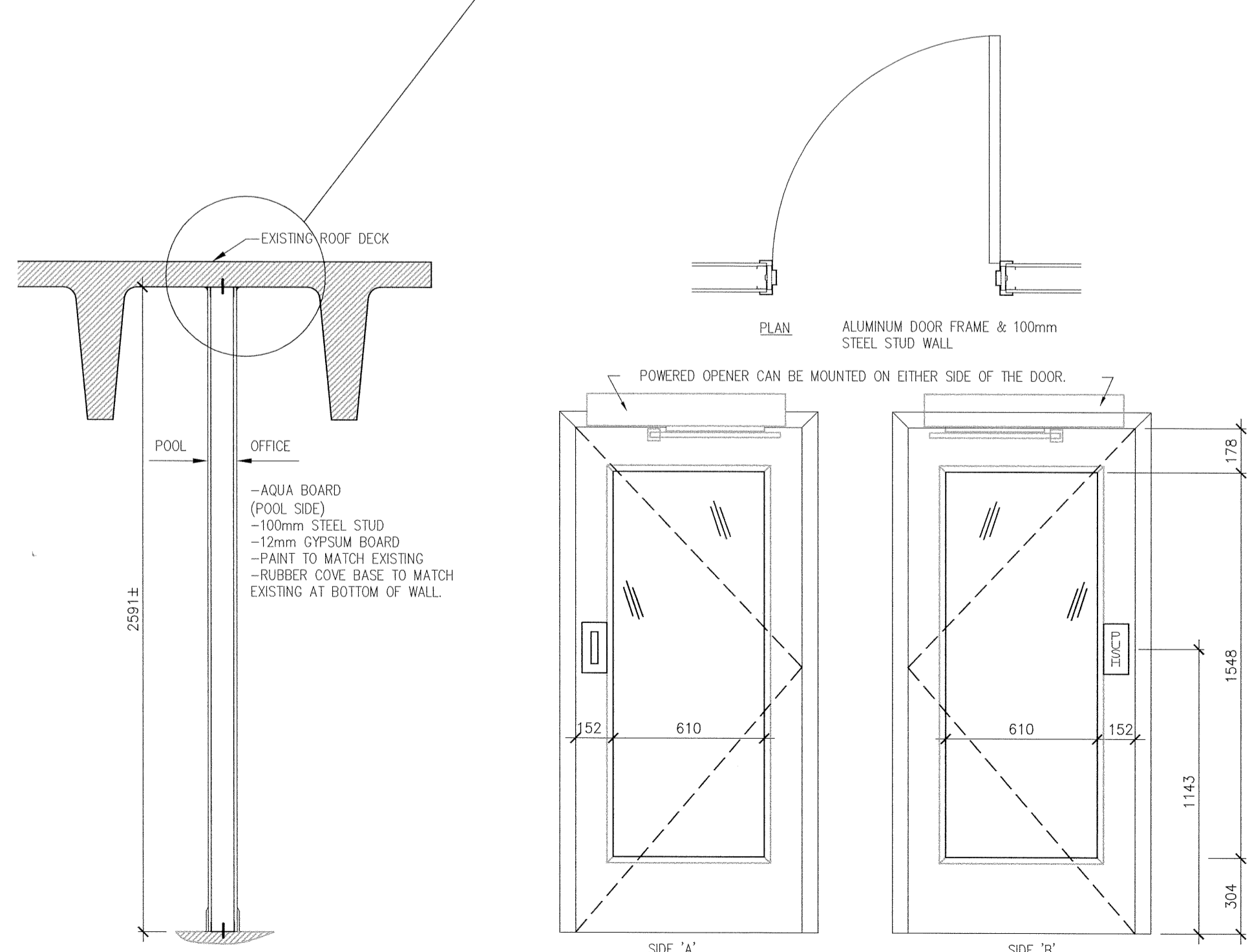
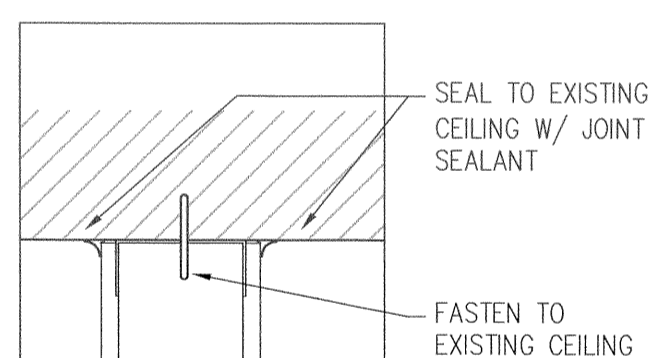
** 2 DOOR OPERATORS ON EACH SIDE OF DOOR. ON EACH SIDE OF DOOR (1) OPERATOR TO BE MOUNTED AT 850-950 mm CENTRE LINE TO FLOOR, AND (1) OPERATOR TO BE MOUNTED AT 225 mm CENTRE LINE TO FLOOR.

DRAWING LEGEND

D?? DOOR TYPE INDICATOR. SEE DOOR SCHEDULE FOR DETAILS

MAIN FLOOR PLAN

SCALE: 1:100



DOOR AND WALL DETAILS

SCALE: 1:20

NO.	REVISIONS	DATE	BY
3	REVISED PRIOR TO TENDER	11/07/07	G.T.
2	ISSUED FOR TENDER	08/08/07	G.T.
1	ISSUED FOR FINAL REVIEW	07/16/07	G.T.
0	ISSUED FOR OWNERS REVIEW	01/31/07	G.T.

CONSULTANT

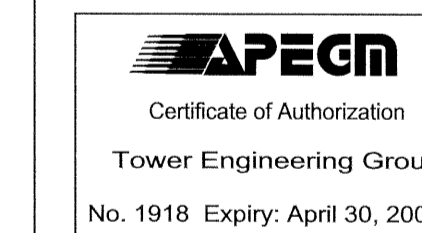
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TOWER PROJECT NO. :6194

TOWER ENGINEERING GROUP
208 - 897 GORYDON AVE. WINNIPEG, MB R3M 0W7
TEL: (204) 925-1150 FAX: (204) 925-1155
EMAIL: towereng@towereng.ca WEB: www.towereng.ca

SEAL



PROJECT

CITY OF WINNIPEG
CENTENNIAL SWIMMING POOL
90 SINCLAIR STREET
WINNIPEG, MB

DRAWING

OFFICE ZONE SEPARATION
WALLS AND DOORS
PLANS, DETAILS AND SPECIFICATIONS

DESIGNED:	CS	SHEET
DRAWN:	NF	BE-1.0
CHECKED:	CS	
SCALE:	AS NOTED	REVISION
DATE:	AUGUST 08/07	R-3
PROJECT NO.:	6194	