ARCHITECTURAL SPECIFICATION

JOINT SEALANTS – 07 92 00

PART 1 GENERAL

1.1 REFERENCES

.1 AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).

.1 ASTM C509–06(2015), STANDARD SPECIFICATION FOR ELASTOMERIC CELLULAR PREFORMED GASKET AND SEALING MATERIAL.

.2 ASTM C510–16, STANDARD TEST METHOD FOR STAINING AND COLOUR CHANGE OF SINGLE– OR MULTI–COMPONENT JOINT SEALANTS.

.3 ASTM C717–17A, STANDARD TERMINOLOGY OF BUILDING SEALS AND SEALANTS.

.4 ASTM C919–12(2017), STANDARD PRACTICE FOR USE OF SEALANTS IN ACOUSTICAL APPLICATIONS.

.5 ASTM C920–18, STANDARD SPECIFICATION FOR ELASTOMERIC JOINT SEALANT.

.6 ASTM C1193–16, STANDARD GUIDE FOR USE OF JOINT SEALANTS.

.7 ASTM C1253–14, STANDARD TEST METHOD FOR DETERMINING OUTGASSING POTENTIAL OF SEALANT BACKING.

.8 ASTM C1330–02(2013), STANDARD SPECIFICATION FOR CYLINDRICAL SEALANT BACKING FOR USE WITH COLD LIQUID APPLIED SEALANTS.

.9 ASTM C1518–16, STANDARD SPECIFICATION FOR PRECURED ELASTOMERIC SILICONE JOINT SEALANTS.

.10 ASTM C1520–02(2015)E1, STANDARD GUIDE FOR PAINTABILITY OF LATEX SEALANTS.

.11 ASTM D3574–17, STANDARD TEST METHODS FOR FLEXIBLE CELLULAR MATERIALS–SLAB, BONDED, AND MOLDED URETHANE FOAMS.

.2 SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD).

.1 RULE 1168 – ADHESIVE AND SEALANT APPLICATIONS, 2005.

1.2 QUALITY ASSURANCE

.1 REGULATORY REQUIREMENTS.

.1 COMPLY WITH REQUIREMENTS OF WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) REGARDING USE, HANDLING, STORAGE, AND DISPOSAL OF HAZARDOUS MATERIALS; AND REGARDING LABELING AND PROVISION OF MATERIAL SAFETY DATA SHEETS ACCEPTABLE TO LABOUR CANADA

1.3 DELIVERY, STORAGE, AND HANDLING

.1 DELIVER ALL MATERIAL TO SITE IN MANUFACTURER'S ORIGINAL UNOPENED PACKAGING WITH LABELS CLEARLY IDENTIFYING PRODUCT NAME AND MANUFACTURER.

.2 STORE MATERIALS IN A DRY, ENCLOSED AREA PROTECTED FROM EXPOSURE TO MOISTURE, CONSTRUCTION ACTIVITY, AND DIRECT SUNLIGHT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

.3 HANDLE ALL PRODUCTS WITH APPROPRIATE PRECAUTIONS AND CARE AS STATED MANUFACTURER'S INSTRUCTIONS.

1.4 SITE CONDITIONS

.1 CONFORM TO MANUFACTURER'S RECOMMENDED TEMPERATURES, RELATIVE HUMIDITY, AND SUBSTRATE MOISTURE CONTENT FOR APPLICATION AND CURING OF SEALANTS INCLUDING SPECIAL CONDITIONS GOVERNING USE.

.2 CLEAN POROUS MATERIALS SUCH AS CONCRETE BY BRUSHING, GRINDING, BLAST CLEANING, MECHANICAL ABRADING OR COMBINATIONS OF THESE METHODS TO PROVIDE A CLEAN, SOUND SUBSTRATE FOR OPTIMUM SEALANT ADHESION. REMOVE LOOSE PARTICLES THAT ARE PRESENT FROM GRINDING, ABRADING, OR BLAST CLEANING BY BLOWING OUT JOINT WITH OIL–FREE COMPRESSED AIR PRIOR TO APPLICATION OF A PRIMER AND/OR SEALANT.

1.5 WARRANTY

.1 MANUFACTURER'S PRODUCT WARRANTY: PROVIDE AN EXTENDED WARRANTY FOR WORK OF THIS SECTION FOR A PERIOD OF 20 YEARS FROM DATE OF SUBSTANTIAL PERFORMANCE, MANUFACTURER HEREBY WARRANTS JOINT SEALANTS TO BE FREE OF MANUFACTURING DEFECTS AND WILL MAINTAIN PROPER WEATHERSEAL, AND THESE OR OTHER OBSERVED DEFECTS AND DEFICIENCIES WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CONSULTANT (CITY OF WINNIPEG), AND AT NO EXPENSE TO THE CITY.

.2 INSTALLATION CONTRACTOR'S WARRANTY: PROVIDE AN EXTENDED WARRANTY FOR WORK OF THIS SECTION FOR A PERIOD OF THREE (3) YEARS FROM DATE OF SUBSTANTIAL PERFORMANCE OF THE WORK. CONTRACTOR HEREBY WARRANTS THAT INSTALLATION OF JOINT SEALANTS WILL NOT CRACK, CRUMBLE, MELT, SHRINK, RUN, LOSE ADHESION, LEAK OR STAIN ADJACENT SURFACES, AND THESE OR OTHER OBSERVED DEFECTS AND DEFICIENCIES WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CONSULTANT (CITY OF WINNIPEG), AND AT NO EXPENSE TO THE CITY.

PART 2 PRODUCTS

2.1 MATERIALS

.1 JOINT SEALANTS AND SEALANT PRIMERS: AS RECOMMENDED BY SEALANT MANUFACTURER FOR USE WITH THEIR PRODUCT ON APPLICABLE SUBSTRATES.

.1 SILICONE SEALANT: TO ASTM C1518 AT ALL LOCATIONS UNLESS OTHERWISE INDICATED.

.2 INTERIOR LATEX ACRYLIC SEALANT: TO ASTM C1520 FOR INTERIOR JOINTS IN SURFACES TO BE PAINTED.

.3 ACOUSTICAL SEALANT TO ASTM C919.

.4 EXPANDING JOINT SEALANT TO ASTM D3574.

.2 PREFORMED COMPRESSIBLE JOINT FILLER MATERIAL.

.1 CLOSED–CELL FOAM BACKING ROD TO ASTM C1330.

.2 POLYETHYLENE, URETHANE, NEOPRENE OR VINYL FOAM.

.1 EXTRUDED OPEN CELL FOAM BACKER ROD.

.2 SIZE: OVERSIZE 30% TO 50%.

.3 NEOPRENE OR BUTYL RUBBER.

.1 ROUND SOLID ROD, SHORE A HARDNESS 70.

.4 HIGH DENSITY FOAM.

.1 EXTRUDED CLOSED CELL POLYVINYL CHLORIDE (PVC), EXTRUDED POLYETHYLENE, CLOSED CELL, SHORE A HARDNESS 20, TENSILE STRENGTH 140 TO 200 KPA, EXTRUDED POLYOLEFIN FOAM, 32 KG/M3 DENSITY, OR NEOPRENE FOAM BACKER, SIZE AS RECOMMENDED BY MANUFACTURER.

.5 BOND BREAKER TAPE.

.1 SELF–ADHESIVE, PRESSURE SENSITIVE TAPE MAD FROM TFE–FLOUROCARBON (TEFLON) OR POLYETHYLENE WHICH SEALANT WILL NOT ADHERE TO.

.3 JOINT CLEANER.

.1 NON–CORROSIVE AND NON–STAINING TYPE, COMPATIBLE WITH JOINT FORMING MATERIALS AND SEALANT RECOMMENDED BY SEALANT MANUFACTURER.

.2 PRIMER: AS RECOMMENDED BY MANUFACTURER.

2.2 SEALANT MATERIALS

.1 DO NOT USE CAULKING THAT EMITS STRONG ODORS, CONTAINS TOXIC CHEMICALS, OR IS NOT CERTIFIED AS MOULD RESISTANT IN AIR HANDLING UNITS.

.2 WHEN LOW TOXICITY CAULKS ARE NOT POSSIBLE, CONFINE USAGE TO AREAS WHICH OFF–GAS TO THE EXTERIOR, ARE CONTAINED BEHIND AIR BARRIERS, OR ARE APPLIED SEVERAL MONTHS BEFORE OCCUPANCY TO MAXIMIZE OFF–GAS TIME.

PART 3 EXECUTION

3.1 PREPARATION OF JOINT SURFACES

.1 PRIOR TO COMMENCEMENT OF WORK, VERIFY THAT EXISTING SITE JOINTS AND SURFACES HAVE BEEN PROVIDED AND THAT JOINT CONDITIONS WILL NOT ADVERSELY AFFECT EXECUTION, PERFORMANCE OR QUALITY OF COMPLETED WORK, AND THAT THEY CAN BE PUT INTO ACCEPTABLE CONDITION BY MEANS OF PREPARATION SPECIFIED IN THIS SECTION.

.2 EXAMINE EXISTING JOINT SIZES AND CONDITIONS TO ESTABLISH CORRECT DEPTH TO WIDTH RELATIONSHIP FOR INSTALLATION OF JOINT FILLER MATERIALS AND SEALANTS.

.3 ASCERTAIN THAT SEALERS AND COATINGS APPLIED TO SEALANT SUBSTRATES ARE COMPATIBLE WITH SEALANT USED AND THAT FULL BOND BETWEEN SEALANT AND SUBSTRATE IS ATTAINED. REQUEST SAMPLES OF SEALED OR COATED SUBSTRATE FROM THEIR FABRICATORS FOR TESTING OF COMPATIBILITY AND BOND, IF NECESSARY, OR TEST ON SITE TO CONSULTANT'S ACCEPTANCE.

.4 CLEAN BONDING JOINT SURFACES OF HARMFUL MATTER SUBSTANCES INCLUDING DUST, OIL GREASE, LOOSE MORTAR AND OTHER MATTER WHICH MAY IMPAIR WORK. REMOVE RUST, MILL SCALE AND COATINGS FROM FERROUS METALS BY WIRE BRUSH, GRINDING OR SANDBLASTING.

.5 DO NOT APPLY SEALANTS TO JOINT SURFACES TREATED WITH SEALER, CURING COMPOUND, WATER REPELLENT, OR OTHER COATINGS UNLESS TESTS HAVE BEEN PERFORMED TO ENSURE COMPATIBILITY OF MATERIALS. REMOVE COATINGS AS REQUIRED.

.6 ENSURE THAT RELEASING AGENTS, COATINGS OR OTHER TREATMENTS HAVE EITHER NOT BEEN APPLIED TO JOINT SURFACES OR THAT THEY ARE ENTIRELY REMOVED.

.7 ENSURE JOINT SURFACES ARE DRY AND FROST FREE.

.8 VERIFY THAT SPECIFIED ENVIRONMENTAL CONDITIONS ARE ENSURED BEFORE COMMENCING WORK.

.9 WHERE NECESSARY TO PREVENT STAINING, MASK ADJACENT SURFACES PRIOR TO PRIMING AND CAULKING.

.10 DEFECTIVE WORK RESULTING FROM APPLICATION TO UNSATISFACTORY JOINT CONDITIONS WILL BE CONSIDERED THE RESPONSIBILITY OF THOSE PERFORMING THE WORK OF THIS SECTION.

3.2 PRIMING

.1 WHERE NECESSARY TO PREVENT STAINING, MASK ADJACENT SURFACES PRIOR TO PRIMING AND CAULKING.

.2 PRIME SIDES OF JOINTS IN ACCORDANCE WITH SEALANT MANUFACTURER'S INSTRUCTIONS IMMEDIATELY PRIOR TO CAULKING.

3.3 JOINT FILLER MATERIAL

.1 APPLY BOND BREAKER TAPE WHERE REQUIRED TO MANUFACTURER'S INSTRUCTIONS.

.2 PACK JOINTS CONTINUOUSLY WITH CLOSED CELL BACKER ROD JOINT BACKING MATERIAL ALLOWING A RECESS TO RECEIVE SEALANT. INSTALLATION OF BACKER ROD WITH A SHARP TOOL SUCH AS PUTTY KNIFE IS NOT PERMITTED. ENSURE SURFACE SKIN OF THE BACKER ROD IS NOT PUNCTURED OR CUT DURING INSTALLATION. A PUNCTURE IN THE BACKER ROD MAY RESULT IN OUTGASSING INTO THE UNCURED SEALANT RESULTING IN VOIDS OR OTHER DEFECTS IN THE CURED SEALANT.

.3 BACKER ROD TO BE INSTALLED UNDER ADEQUATE COMPRESSION TO HOLD IT IN–PLACE IN THE JOINT OPENING AND TO RESIST THE PRESSURE APPLIED WHEN TOOLING A NON–SAG SEALANT INTO PLACE. BACKER ROD DIAMETER TO BE 25% GREATER THAN THE JOINT WIDTH. INSTALL BACKER ROD WITHOUT STRETCHING. UNDER NO CIRCUMSTANCES SHOULD BACKER ROD THAT IS TOO SMALL FOR THE JOINT BE DOUBLED UP OR BRAIDED TOGETHER TO FIT THE OPENING.

.4 WHERE JOINT CONFIGURATION AND/OR SIZE DOES NOT PERMIT THE USE OF A BACKER ROD, INSTALL BOND BREAKER TAPE. THE TAPE SHALL BE INSTALLED CONTINUOUSLY WITH NO SKIPS OR VOIDS IN THE TAPE APPLICATION.

.5 INSTALL JOINT FILLER TO ACHIEVE CORRECT JOINT DEPTH AND SHAPE (RATIO 1:2) WITH APPROXIMATELY 30% COMPRESSION.

3.4 APPLICATION

.1 SEALANT.

.1 APPLY SEALANTS TO MANUFACTURER'S PRINTED INSTRUCTIONS.

.2 MASK EDGES OF JOINT WHERE IRREGULAR SURFACE OR SENSITIVE JOINT BORDER EXISTS TO PROVIDE NEAT JOINT.

.3 APPLY SEALANT IN CONTINUOUS BEADS.

.4 APPLY SEALANT USING GUN WITH PROPER SIZE NOZZLE.

.5 USE SUFFICIENT PRESSURE TO FILL VOIDS AND JOINTS SOLID. SUPERFICIAL POINTING WITH SKIN BEAD IS NOT ACCEPTABLE.

.6 FORM SURFACE OF SEALANT WITH FULL BEAD, SMOOTH, FREE FROM RIDGES, WRINKLES, SAGS, AIR POCKETS, EMBEDDED IMPURITIES.

.7 TOOL EXPOSED SURFACES BEFORE SKINNING BEGINS TO GIVE SLIGHTLY CONCAVE SHAPE.

.8 REMOVE EXCESS COMPOUND PROMPTLY AS WORK PROGRESSES AND UPON COMPLETION.

.9 INSTALL CONTINUOUS BEAD OR JOINT SEALANT ALONG ALL GYPSUM BOARD CONTROL JOINTS.

.2 CURING.

.1 CURE SEALANTS IN ACCORDANCE WITH SEALANT MANUFACTURER'S INSTRUCTIONS.

.2 DO NOT COVER UP SEALANTS UNTIL PROPER CURING HAS TAKEN PLACE.

3.5 CLEANING

.1 CLEAN ADJACENT SURFACES IMMEDIATELY AND LEAVE WORK NEAT AND CLEAN.

.2 REMOVE EXCESS AND DROPPINGS, USING RECOMMENDED CLEANERS AS WORK PROGRESSES.

.3 REMOVE MASKING TAPE AFTER INITIAL SET OF SEALANT.

3.6 PROTECTION

.1 PROTECT INSTALLED WORK OF OTHER TRADES FROM STAINING OR CONTAMINATION.

.1 DISPOSING OF MATERIALS WITH EVIDENCE OF MOISTURE DAMAGE.

ALUMINUM–FRAMED ENTRANCES AND STOREFRONTS – 08 41 13

PART 1 GENERAL

1.1 REFERENCES

.1 AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA).

.1 AAMA 2604–17A, VOLUNTARY SPECIFICATION, PERFORMANCE REQUIREMENTS AND TEST PROCEDURES FOR HIGH PERFORMANCE ORGANIC COATINGS ON ALUMINUM EXTRUSIONS AND PANELS.

.2 AAMA CW–10–15, CARE AND HANDLING OF ARCHITECTURAL ALUMINUM FROM SHOP TO SITE.

.3 AAMA 611–98, VOLUNTARY SPECIFICATION FOR ANODIZED ARCHITECTURAL ALUMINUM.

.2 ALUMINUM ASSOCIATION (AA).

.1 ALUMINUM STANDARDS AND DATA, 2017 EDITION.

.2 ALUMINUM ALLOY CASTINGS – PROPERTIES, PROCESSES, AND APPLICATIONS, 2004 EDITION.

.3 INTRODUCTION TO ALUMINUM ALLOYS AND TEMPERS, 2000 EDITION.

.4 DESIGNATION SYSTEM FOR ALUMINUM FINISHES, 2003 (R2009).

.3 AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).

.1 ASTM B221M–12, STANDARD SPECIFICATION FOR ALUMINUM AND ALUMINUM–ALLOY EXTRUDED BARS, RODS, WIRE, PROFILES, AND TUBES [METRIC].

.4 CANADIAN STANDARDS ASSOCIATION (CSA).

.1 AAMA/WDMA/CSA 101/I.S.2/A440–17, NORTH AMERICAN FENESTRATION STANDARD / SPECIFICATION FOR WINDOWS, DOORS, AND SKYLIGHTS.

.2 CAN/CSA S157–17/S157.1–17, STRENGTH DESIGN IN ALUMINUM/COMMENTARY ON CSA S157–05, STRENGTH DESIGN IN ALUMINUM.

.5 NATIONAL BUILDING CODE OF CANADA, 2020 (NBCC).

1.2 SUBMITTALS

.1 PRODUCT DATA.

.1 SUBMIT MANUFACTURER'S INSTRUCTIONS, PRINTED PRODUCT LITERATURE AND DATA SHEETS FOR COMPONENTS, ANCHORAGE AND FASTENERS, GLASS AND INFILL, AND INTERNAL DRAINAGE DETAILS AND INCLUDE PRODUCT CHARACTERISTICS, PERFORMANCE CRITERIA, PHYSICAL SIZE, FINISH AND LIMITATIONS.

.2 SHOP DRAWINGS.

.1 EACH DRAWING SUBMISSION TO BE ENGINEERED AND PREPARED BY MANUFACTURER, AND STAMPED AND SIGNED BY QUALIFIED PROFESSIONAL ENGINEER LICENSED IN JURISDICTION OF PLACE OF WORK.

.2 INDICATE SYSTEM DIMENSIONS, FRAMED OPENING REQUIREMENTS AND TOLERANCES, ADJACENT CONSTRUCTION, ANTICIPATED DEFLECTION UNDER LOAD, AFFECTED RELATED WORK, EXPANSION AND CONTRACTION JOINT LOCATIONS AND DETAILS, ANCHORAGE DETAILS, LOCATION OF ISOLATION COATINGS, AND FIELD WELDING AS REQUIRED.

.3 INDICATE MATERIALS AND LARGE SCALE DETAILS FOR HEAD, JAMB AND SILLS, PROFILES OF COMPONENTS, INTERIOR AND EXTERIOR TRIM, ELEVATIONS OF UNIT, DESCRIPTION OF RELATED COMPONENTS AND EXPOSED FINISHES, FASTENERS AND CAULKING. INDICATE LOCATION OF MANUFACTURER'S NAMEPLATES.

.3 SAMPLES.

.1 SUBMIT FOR REVIEW AND ACCEPTANCE OF EACH UNIT.

.2 SAMPLES WILL BE RETURNED FOR INCLUSION INTO WORK.

.3 SUBMIT TWO (2) SAMPLES ILLUSTRATING PREFINISHED ALUMINUM SURFACE FOR EACH FINISH, COLOUR, TEXTURE, SPECIFIED GLASS UNITS, INSULATED INFILL PANELS, GLAZING MATERIALS ILLUSTRATING EDGE AND CORNER.

.4 DELEGATED DESIGN SUBMITTALS.

.1 INCLUDE FRAMING MEMBER STRUCTURAL AND PHYSICAL CHARACTERISTICS, CALCULATIONS, DIMENSIONAL LIMITATIONS, SPECIAL INSTALLATION REQUIREMENTS.

.5 CLOSEOUT SUBMITTALS

.1 PROVIDE OPERATION AND MAINTENANCE DATA FOR INCORPORATION INTO OPERATION AND MAINTENANCE MANUAL.

1.3 QUALITY ASSURANCE

.1 QUALIFICATIONS.

.1 FABRICATOR: APPROVED BY ALUMINUM–FRAMED ENTRANCE AND STOREFRONT MANUFACTURER WITH FABRICATION OF MANUFACTURER'S ALUMINUM–FRAMED ENTRANCES AND STOREFRONTS ON PROJECTS OF EQUAL OR GREATER SIZE AND DEGREE OF COMPLEXITY.

.2 INSTALLER: APPROVED BY ALUMINUM–FRAMED ENTRANCE AND STOREFRONT MANUFACTURER AND WITH MINIMUM FIVE (5) YEARS' EXPERIENCE WITH INSTALLATION OF MANUFACTURER'S ALUMINUM–FRAMED ENTRANCES AND STOREFRONTS ON PROJECTS OF EQUAL OR GREATER SIZE AND DEGREE OF COMPLEXITY.

.3 INFORMATION CONFIRMING ABOVE CRITERIA MAY BE REQUESTED BY CONSULTANT.

.4 ALUMINUM–FRAMED ENTRANCE AND STOREFRONT MANUFACTURER TO TAKE FULL RESPONSIBILITY FOR FABRICATION AND INSTALLATION.

1.4 DELIVERY, STORAGE, AND HANDLING

.1 DELIVER ALL MATERIAL TO SITE IN MANUFACTURER'S ORIGINAL UNOPENED PACKAGING WITH LABELS CLEARLY IDENTIFYING PRODUCT NAME AND MANUFACTURER.

.2 STORE MATERIALS IN A DRY, ENCLOSED AREA PROTECTED FROM EXPOSURE TO MOISTURE, CONSTRUCTION ACTIVITY, AND DIRECT SUNLIGHT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

.3 HANDLE WORK OF THIS SECTION IN ACCORDANCE WITH AAMA CW–10.

1.5 SITE CONDITIONS

.1 DO NOT INSTALL SEALANTS WHEN AMBIENT AND SURFACE TEMPERATURE IS LESS THAN 5°C.

.2 MAINTAIN THIS MINIMUM TEMPERATURE DURING AND AFTER INSTALLATION OF SEALANTS UNTIL CURED.

1.6 WARRANTY

.1 MANUFACTURER'S PRODUCT WARRANTY: PROVIDE AN EXTENDED WARRANTY FOR WORK OF THIS SECTION FOR A PERIOD OF TWO (2) YEARS FROM DATE OF SUBSTANTIAL PERFORMANCE OF THE WORK. MANUFACTURER HEREBY WARRANTS ALUMINUM–FRAMED ENTRANCES AND STOREFRONTS TO BE FREE OF MANUFACTURING AND MATERIAL DEFECTS, AND THESE OR OTHER OBSERVED DEFECTS AND DEFICIENCIES WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CONSULTANT (CITY OF WINNIPEG), AND AT NO EXPENSE TO THE CITY.

.2 INSTALLATION CONTRACTOR'S WARRANTY: PROVIDE AN EXTENDED WARRANTY FOR WORK OF THIS SECTION FOR A PERIOD OF TWO (2) YEARS FROM DATE OF SUBSTANTIAL PERFORMANCE OF THE WORK. CONTRACTOR HEREBY WARRANTS THAT WORK OF THIS SECTION WILL REMAIN RIGID, AND THESE OR OTHER OBSERVED DEFECTS AND DEFICIENCIES WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CONSULTANT (CITY OF WINNIPEG), AND AT NO EXPENSE TO THE CITY.

PART 2 PRODUCTS

2.1 MATERIALS

.1 EXTRUDED ALUMINUM: ALUMINUM ASSOCIATION AA 6063–T6 ALLOY AND TEMPER IN ACCORDANCE WITH ASTM B221M AND CAN/CSA S157/S157.1, MEMBER WALL THICKNESS SUFFICIENT TO MEET THE SPECIFIED STRUCTURAL REQUIREMENTS, TOLERANCES IN ACCORDANCE WITH ALUMINUM ASSOCIATION ALUMINUM STANDARDS AND DATA.

.2 SEALANTS: IN ACCORDANCE WITH SECTION 07 92 00.

.3 GLAZING: IN ACCORDANCE WITH SECTION 08 80 00.

2.2 COMPONENTS

.1 REQUESTS FOR EQUALS WILL BE CONSIDERED SUBJECT TO SPECIFIED REQUIREMENTS AND IN ACCORDANCE WITH BIDDING PROCEDURES B8.

.2 SUPPLY SIMILAR PRODUCTS FROM SINGLE MANUFACTURER.

.3 INTERIOR ALUMINUM STOREFRONT FRAMING SYSTEM. (SINGLE GLAZED)

.1 KAWNEER TRIFAB® VERSAGLAZE® 450 FRAMING SYSTEM, 1–3/4" SIGHTLINE

.1 44.5 MM X 114.3 MM (SIDE, TOP, CENTRE), CENTRE GLAZING.

.2 NON–THERMAL

.2 150 MM ±10 MM (TO MATCH EXISTING) (BASE), CENTRE GLAZING.

.4 INTERIOR ALUMINUM DOORS (MEDIUM STYLE).

.1 KAWNEER 350 HEAVY WALL™ SWING DOOR

THE FOLLOWING (NOMINAL) SIZES:

.1 VERTICAL FACE DIMENSION: 103.2 MM.

.2 DEPTH: 50.8 MM ±10 MM

. .3 CENTRE RAIL HEIGHT: 250 MM WIDE ±10 MM.

.4 BOTTOM RAIL HEIGHT: 200 MM ±10 MM (TO MATCH STOREFRONT FRAMING BASE).

.2 REINFORCE MECHANICALLY–JOINED CORNERS OF DOORS TO PRODUCE STURDY DOOR UNIT.

.3 GLAZING STOPS: INTERLOCKING SNAP–IN TYPE FOR DRY GLAZING, TAMPERPROOF TYPE.

.5 EXTERIOR ALUMINUM STOREFRONT FRAMING SYSTEM. (DOUBLE GLAZED)

.1 KAWNEER TRIFAB® 451UT FRAMING SYSTEM

.1 50.8.5 MM X 114.3 MM (SIDE, TOP, CENTRE), CENTRE GLAZING

.2 THERMAL

.3 SCREW SPLINE FABRICATION

.2 150 MM ±10 MM (TO MATCH EXISTING) (BASE), CENTRE GLAZING.

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION	PS	JUL 15 2024

SEAL

PROVINCE OF MANITOBA
BRUCE G. PAULS
2024-10-03
REGISTERED ARCHITECT
MAA Digital Signature Applied

2023.11.07 DATE	BP / PS DESIGNED	PS DRAWN	BP CHECKED	- APPROVED

Winnipeg

THE CITY OF WINNIPEG
ASSETS & PROJECT MANAGEMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT

CITY HALL - COUNCIL AND ADMIN. BUILDINGS

MAIN ENTRANCES - DOOR / WINDOW REPLACEMENT

510 MAIN STREET

SHEET TITLE

ARCHITECTURAL SPECIFICATIONS

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2021-111	A4

DRAWING SHEET SIZE: D (24" x 36") PLOT 1:1