06100 CARPENTRY

PART 1 – GENERAL

1.01 WORK INCLUDED

.1 FRAMING
.2 FURRING
.3 MISCELLANEOUS BLOCKING
.4 NEW PRESSURE-TREATED WOOD FENCING
.5 MISCELLANEOUS ITEMS AS REQUIRED.

1.02 RELATED SECTIONS

.1 CONCRETE ACCESSORIES: SECTION 08525

1.03 REFERENCES

.1 CSA B111-1974 WIRE NAILS, SPIKES AND STAPLES.

.2 CSA O121-M1978 DOUGLAS FIR PLYWOOD.

.3 CAN/CSA-O141-91 SOFTWOOD LUMBER.

.4 CSA O153-M1978 CANADIAN SOFTWOOD PLYWOOD.

.5 NATIONAL LUMBER GRADES AUTHORITY (NLGA) STANDARD GRADING RULES FOR CANADIAN LUMBER 1991.

1.04 QUALITY ASSURANCE

.1 LUMBER IDENTIFICATION: BY GRADE STAMP OF AN AGENCY CERTIFIED BY CANADIAN LUMBER STANDARDS ACCREDITATION BOARD.

.2 PLYWOOD IDENTIFICATION: BY GRADE MARK IN ACCORDANCE WITH APPLICABLE CSA STANDARDS.

PART 2 – PRODUCTS

2.01 LUMBER MATERIAL

.1 LUMBER: UNLESS SPECIFIED OTHERWISE, SOFTWOOD, S4S, MOISTURE CONTENT 19% OR LESS IN ACCORDANCE WITH FOLLOWING STANDARDS:

.1 CAN/CSA-O141.

.2 NLGA STANDARD GRADING RULES FOR CANADIAN LUMBER.

.2 GLUED END-JOINTED (FINGER-JOINTED) LUMBER IS NOT ACCEPTABLE.

.3 FRAMING AND BOARD LUMBER: IN ACCORDANCE WITH NBC.

.4 FURRING, BLOCKING, NAILING STRIPS, GROUNDS, ROUGH BUCKS, CURBS, FASCIA BACKING AND SLEEPERS:

.1 BOARD SIZES: 'STANDARD' OR BETTER GRADE.

.2 DIMENSION SIZES: 'STANDARD' LIGHT FRAMING OR BETTER GRADE.

.3 POST AND TIMBERS SIZES: 'STANDARD' OR BETTER GRADE.

2.02 PANEL MATERIALS

.1 PLYWOOD SHEATHING: PLYWOOD, DFP OR CSP SHEATHING GRADE, SQUARE EDGE, THICKNESS AS SHOWN.

.2 ORIENTED STRAND BOARD: 7/16"

2.03 ACCESSORIES

.1 NAILS, SPIKES AND STAPLES: TO CSA B111.

.2 BOLTS: 12.5 MM DIAMETER UNLESS INDICATED OTHERWISE, COMPLETE WITH NUTS AND WASHERS.

.3 PROPRIETARY FASTENERS: TOGGLE BOLTS, EXPANSION SHIELDS AND LAG BOLTS, SCREWS AND LEAD OR INORGANIC FIBRE PLUGS, EXPLOSIVE ACTUATED FASTENING DEVICES, RECOMMENDED FOR PURPOSE BY MANUFACTURER.

.4 NAILING DISCS: FLAT CAPS, MINIMUM 25 MM DIAMETER, MINIMUM 0.4 MM THICK, SHEET METAL, FIBRE, FORMED TO PREVENT DISHING. BELL OR CUP SHAPES NOT ACCEPTABLE.

2.04 FINISHES

.1 GALVANIZING: TO CAN/CSA-G164, USE GALVANIZED FASTENERS FOR EXTERIOR WORK AND FOR INTERIOR HIGHLY HUMID AREAS.

2.05 WOOD PRESERVATIVE

.1 PRESSURE PRESERVATIVE TREATED WOOD AND PLYWOOD TO CSA O80M. TIMBER SPECIALTIES LTD. K33 CHROMATED COPPER ARSENATE.

.2 SURFACE-APPLIED WOOD PRESERVATIVE: COLOURED OR COPPER NAPTHENATE OR 5% PENTACHLOROPHENOL SOLUTION, WATER REPELLENT PRESERVATIVE.

PART 3 – EXECUTION

3.01 PREPARATION

.1 TREAT AT SURFACES OF PRESSURE PRESERVATIVE TREATED MATERIAL WITH SURFACE APPLIED WOOD PRESERVATIVE BEFORE INSTALLATION.

.2 APPLY PRESERVATIVE BY BRUSH TO COMPLETELY SATURATE AND MAINTAIN WET FILM FOR MINIMUM THREE MINUTE SOAK ON LUMBER AND ONE MINUTE SOAK ON PLYWOOD.

.3 RE-TREAT SURFACES EXPOSED BY CUTTING, TRIMMING, OR BORING WITH LIBERAL BRUSH APPLICATION OF PRESERVATIVE BEFORE INSTALLATION.

.4 EMPLOY PRESSURE-TREATED WOOD FOR THE FOLLOWING:

.1 UPSTANDS FOR ROOF-TOP UNITS

.2 ROOF-TOP SCREENS

.3 SITE FENCING.

3.02 INSTALLATION

.1 INSTALL WOOD FURRING, MAILERS, AND OTHER WOOD SUPPORTS AS REQUIRED AND SECURE USING GALVANIZED FASTENERS.

3.03 ERECTION

.1 FRAME, ANCHOR, FASTEN, TIE AND BRACE MEMBERS TO PROVIDE NECESSARY STRENGTH AND RIGIDITY.

.2 COUNTERSINK BOLTS WHERE NECESSARY TO PROVIDE CLEARANCE FOR OTHER WORK.

.3 USE NAILING DISKS FOR SOFT SHEATHING AS RECOMMENDED BY SHEATHING MANUFACTURER.

END OF SECTION

08525 ALUMINUM WINDOWS

PART 1 GENERAL

1.01 RELATED DOCUMENTS
DRAWINGS, DETAIL SHEETS, GENERAL REQUIREMENTS.

1.02 SECTION INCLUDES
IDE ALL LABOUR, MATERIALS, METHODS, EQUIPMENT, ACCESSORIES TO COMPLETE ALUMINUM WINDOWS WORK.

.1 DESIGN FABRICATION, INSTALLATION.
.2 ALUMINUM FIXED GLAZING.
.3 ALUMINUM FRAME SILLS.
.4 ALUMINUM VENT SASH.
.5 GLASS, GLAZING SEALED INSULATING GLASS UNITS.
.6 BRAKE METAL SECTIONS.
.7 ALUMINUM CLOSURES, COVERS, TRIM, FLASHINGS, BASE, CAPS, STOPS, ETC.
.8 VENT SASH SCREENS.
.9 VENT SASH OPERATING HARDWARE.
.10 AIR VAPOUR SEAL TO JOINT MATERIALS.
.11 FASTENERS, ANCHORS, ACCESSORIES, RELATED FITTINGS, CLAMPING BARS, CAP PLATES, GASKETS, THERMAL BREAK MATERIALS, ETC.
.12 FINISH PROCESS TO ALUMINUM.
.13 BACK PRIMING OF METAL SURFACES.
.14 GLAZING BEADS, SEALS, GASKETS, TAPE, SHIMS.
.15 CAULKING, BEADS, SEALS, GASKETS, TAPE, SHIMS.
.16 PROTECTIVE COATING ON FINISHED ALUMINUM, GLASS.
.17 STEEL, ALUMINUM SUB-FRAMING, ATTACHMENT, REINFORCING, ANCHORS, CLIPS SHOWN, REQUIRED.
.18 SHOP PRIMING STEEL.
.19 CLEANING DOWN ALUMINUM, GLASS.

1.03 RELATED WORK

.1 SECTION 06100: WOOD BLOCKING.

1.04 REGULATORY REQUIREMENTS

.1 DESIGN, DETAIL, FABRICATE TO NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS (NAMM STANDARDS.
.2 COMPLY WITH REQUIREMENTS OF NATIONAL BUILDING CODE, LOCAL AUTHORITY HAVING JURISDICTION.
.3 CONFORM TO REQUIREMENTS OF CAN/CSA-A440-M90/A440.1-M1990 EXCEPT WHERE SPECIFIED OTHERWISE.

1.05 QUALITY ASSURANCE
.1 MANUFACTURER: MANUFACTURER: KAWNEER COMPANY CANADA LTD., 5525 'ISOWEB' WINDOW FIXED FRAMING, GLAZED WITH DOUBLE GLAZED HERMETICALLY SEALED UNITS SCHEDULED, AS INDICATED.

1.06 DESIGN CRITERIA

.1 DESIGN GLAZED ALUMINUM FRAMING SYSTEMS TO:
.1 CONFORM TO FOLLOWING RATING REQUIREMENTS OF CAN/CSA-A440-M90/A440.1-M1990.

.1 AIR INFILTRATION: FIXED, VENTS A3.
.2 WATER INFILTRATION: B7 LEVEL.
.3 WIND LOAD RESISTANCE: C5 LEVEL.
.4 CONDENSATION RESISTANCE TEMPERATURE INDEX FOR FRAMING: MINIMUM I-70 APPROXIMATED), USING RH 40%.

.2 LIMIT STRESS IN ALUMINUM, STRUCTURAL COMPONENTS TO 90 MPA UNDER MAXIMUM LOAD, IN ACCORDANCE WITH CAN3-S157.
.3 LIMIT LATERAL DEFLECTION UNDER FULL DESIGN LOAD, TO MAXIMUM L/175 CLEAR SPAN.
.4 LIMIT DEFLECTION OF ANY MEMBER IN DIRECTION PARALLEL TO WALL PLANE NOT TO EXCEED 75% DESIGN CLEARANCE DIMENSION BETWEEN THAT MEMBER, GLASS, OTHER PART IMMEDIATELY BELOW.
.5 PERMIT ADEQUATE FREEDOM THERMAL MOVEMENT, MINIMIZE STRESSES ON SEALANTS. ALLOW FOR EXPANSION, CONTRACTION OF MEMBERS.
.6 PROVIDE COMPLETE THERMAL SEPARATION BETWEEN EXTERIOR, INTERIOR METAL COMPONENTS.
.7 ALLOW FOR AREAS OF HIGH POSITIVE, NEGATIVE PRESSURES CREATED BY CONFIGURATION BUILDING, PROXIMITY TO ADJACENT AREAS, STRUCTURES.

.2 DESIGN, VERIFY MAXIMUM GLASS SIZES, THICKNESS, STRENGTH, ETC., FOR GLASS TYPES SPECIFIED, TO SUPPORT DESIGN, MAXIMUM ALLOWABLE U7NIFORM STATIC LOADS, USING DESIGN, FACTOR OF 2.5.

.3 DESIGN, DETAIL, FABRICATE STEEL STRUCTURAL DESIGN, TO CAN3-S16.1-M89.

1.07 CERTIFICATION

.1 PROVIDE CERTIFICATION IN APPROVED FORM CERTIFYING COMPLETED GLAZED ALUMINUM WINDOW SYSTEM COMPLIED WITH SPECIFICATIONS, COMPONENT ARTS PROPERLY DESIGNED, SELECTED FOR APPLICATIONS MADE, INSTALLING METHODS COMPLIED WITH MANUFACTURER PRINTED INSTRUCTIONS, THEIR FIELD REPRESENTATIVE'S VERBAL INSTRUCTIONS WERE PROPER, ADEQUATE FOR CONDITIONS OF INSTALLATION AND USE IN EACH CASE, SIGNED BY TENDERER AWARDED WORK OF THIS SECTION.

1.08 SHOP DRAWINGS

.1 SUBMIT SHOP DRAWINGS.
.2 INDICATE MATERIALS, PROFILES IN LARGE SCALE, CONSTRUCTION OF VARIOUS PARTS, METHODS OF JOINING, THICKNESS, TYPES OF MATERIALS, FINISHES, ANCHORAGE DETAILS, JOINTS, WELDS, FASTENINGS, GASKETS, SEALANTS, REINFORCEMENT, GLAZING, ADJACENT MATERIALS, PERTINENT INFORMATION FOR CO-ORDINATION.

1.09 MAINTENANCE DATA

.1 PROVIDE OPERATION AND MAINTENANCE DATA FOR CLEANING AND MAINTENANCE OF ALUMINUM FINISHES TO OWNER.

1.10 WARRANTY

.1 PROVIDE WRITTEN GUARANTEE ALL WORK FURNISHED, INSTALLED IS FREE OF DEFECTS IN MATERIALS AND WORKMANSHIP, REMAIN WATERTIGHT FOR PERIOD THREE (3) YEARS FROM DATE OF COMPLETED INSTALLATION.

.2 PROVIDE MANUFACTURERS WRITTEN GUARANTEE FOR SEALED UNITS AGAINST FAILURE OF HERMETIC SEAL FOR PERIOD FIVE (5) YEARS FROM MANUFACTURE.

.3 PROVIDE WRITTEN GUARANTEE, THAT RESINOUS COATINGS WILL NOT DEVELOP EXCESSIVE FADING, NON-UNIFORMITY OF COLOR, SHADE, WILL NOT CRACK, PEEL, PIT, CORRODE FOR PERIOD FIVE (5) YEARS FROM DATE OF COMPLETED INSTALLATION, CERTIFIED BY CONTRACT ADMINISTRATOR AS FOLLOWS:

.1 EXCESSIVE FADING: APPEARANCE WHICH IS PERCEPTIBLE, OBJECTIONABLE, DETERMINED BY CONTRACT ADMINISTRATOR, VIEWED VISUALLY IN COMPARISON WITH ORIGINAL COLOR RANGE STANDARDS.

.2 WILL NOT CRACK, PEEL, PIT OR CORRODE: NO CRACKING, PEELING, PITTING, OTHER TYPE OF CORROSION DISCERNABLE FROM DISTANCE 10'-0', RESULTING FROM NATURAL ELEMENTS IN ATMOSPHERE.

PART 2 PRODUCTS

2.01 MATERIALS

.1 ALUMINUM EXTRUSIONS: ALUMINUM ASSOCIATION ALLOY AA6063-T54, ANODIZING QUALITY.
.2 SHEET, PLATE ALUMINUM: ALUMINUM ASSOCIATION ALLOY AA1100 ANODIZING QUALITY, MINIMUM 0.051" THICK, THICKNESS REQUIRED.
.3 STEEL REINFORCEMENT: TO CAN/CSA-G40.21, GRADE 300W.
.4 WELDING MATERIALS: TO CSA W59-1989.
.5 ALUMINUM ISOLATION COATING: TO CGSB 1-GJ-108C, ALKALI RESISTANCE BITUMINOUS PAINT.
.6 SHOP PRIMER TO STEEL: CBSB1-GP-40M.
.7 FASTENERS: STAINLESS STEEL TYPE 300 SERIES, TO ASTM A276.
.8 THERMAL BREAK SEPARATOR: GLASS REINFORCED NYLON.
.9 SETTING, SIDE BLOCKS: NEOPRENE, SHORE A DUROMETER HARDNESS 60-70.
.10 EXTERIOR WEATHERING: TREMCO VISIONSTRIP.
.11 SEALANTS: CAULKED SEALS AT CONNECTIONS BETWEEN AIR SEAL PLANES, HIGH GRADE BUTYL, MANUFACTURER STANDARD.
.12 GLAZING SEALS: EXTRUDED, BLACK, CLOSED CELL OR DENSE ELASTOMER, NEOPRENE SPONGE GASKET, EPDM ELASTOMERIC, DUROMETER APPROPRIATE TO FUNCTION, FOR DRY/DRY GLAZING.

.1 HINGES: ZINC PLATED ANDERBURG FRICTION ARMS.
.2 OPERATOR: ALUMINUM UNDER SCREEN PUSH BARS.
.3 LOCKING HANDLES: TWO REQUIRED EACH SASH, SATIN FINISH WHITE BRONZE CLAW HANDLES, WITH KEEPERS.

.14 INSECT SCREEN: EXTRUDED ALUMINUM FRAMES, FINISHED TO MATCH WINDOW FRAMES, RIGIDLY JOINED AT CORNERS, 18 X 16 GLASSFIBRE MESH, SPLINES SHALL BE REMOVABLE EXTRUDED ELASTOMER TO PERMIT RE-SCREENING.

2.02 GLASS TYPES

.1 HEAT ABSORBING GLASS: TO CAN 2-12.4-M76, FLOAT PLATE, 6MM THICK MINIMUM, REQUIRED THICKNESS.

.1 GREY TINT, AFG GLASS INC. MANUFACTURE, GREY FLOAT.
.2 COATED GLASS: HARD 'LOW-E' EMISSIVITY COATING, HOT SPRAYED HIGH VACUUM APPLIED METALLIC OXIDE LOW EMISSIVITY COATING ON ONE SURFACE, AFG GLASS INC. MANUFACTURE, 'COMFORT-ES', APPLIED TO FLOAT PLATE GLASS, SAFETY GLASS AS SCHEDULED, INDICATED.
.3 HERMETICALLY SEALED UNITS: CAN2 2-12.8-M 76, PERIMETER 'WARM EDGE' SPACERS.
.1 FACTORY SEALED, DOUBLE GLAZED UNITS, 25MM THICK, 13 MM AIR SPACES, INNER LIGHT LOW- E COATED FLOAT PLATE GLASS WITH COATING ON SURFACE 3, OUTER LIGHT HEAT ABSORBING GLASS.
.1 WINDOW: FIXED GLAZING, VENT SASH.

2.03 ALUMINIMUM FINISHES

.1 RESINOUS COATING: CHEMICALLY CLEAN, RESINOUS COATING SYSTEM AA-C12 C40 R1X, 70% MINIMUM RESIN, TWO COAT, 1.2 MIL DRY FILM THICKNESS, PENNWALT CHEMICALS MANUFACTURE, 'KYNAR 500 FLUOROCARBON RESIN', PPG INDUSTRIES LICENSEE, DURANAR COATING, COLOUR APPROVED BY CONSULTANT AS FOLLOWS:
.1 BLUE JEAN BLUE BK80216: ALL EXTERIOR SURFACES OF ALUMINUM FIXED, VENTED GLAZING FRAMES, LEVELS MAIN TO FIFTH FLOOR EXCEPT FIXED GLAZING FRAMES AT FIFTH FLOOR DESIGNATED, SCHEDULED TO RECEIVE HIGH PERFORMANCE COATING, STERLING GRAY.
.2 WHITE K11443: INTERIOR SURFACES OF ALL ALUMINUM FIXED, VENTED GLAZING FRAMES.

.2 HIGH PERFORMANCE COATING: CHEMICALLY CLEAN, HARDCOAT SYSTEM TO AAMA 605.2-92, TWO COAT, PRIMER 0.3 MILS, TOPCOAT 0.9 MILS, TOTAL THICKNESS 1.2 MILS, KYNAR RESINS, METALLIC PEARLESCENCE, 'PERMADIZE HARDCOAT', DESIGNATED, SCHEDULED.

.3 SUBMIT COLOUR SAMPLES SELECTED ON ALUMINUM PANELS FOR CONSULTANT APPROVAL PRIOR TO FINISHING.

2.04 FABRICATION

.1 SHOP FABRICATE, ASSEMBLE WORK, WITH VARIOUS PARTS, ASSEMBLIES READY FOR ERECTION AT BUILDING. TRIAL FIT WORK WHICH CANNOT BE SHOP ASSEMBLED, TO ENSURE PROPER, EXPEDITIOUS FIELD ASSEMBLY.
.2 MAKE ALLOWANCE FOR DEFLECTION OF STRUCTURE. ENSURE STRUCTURAL LOADS ARE NOT TRANSMITTED TO FIXED GLAZING UNITS.
.3 FABRICATE FRAME MEMBERS FULL LENGTH WITHOUT JOINTS BETWEEN INTERSECTING MEMBERS. ARRANGE JOINTS TO SHED WATER.
.4 ALLOW FOR EXPANSION, CONTRACTION OF FRAMING MEMBERS
.5 PROVIDE MINIMUM ½" BITE FOR FACTORY-SEALED GLAZING UNITS.
.6 ACCURATELY FIT INTERSECTING MEMBERS TO FLUSH HAIRLINE, WEATHERTIGHT JOINTS, MECHANICALLY INTERLOCK TOGETHER, SEALED WATERTIGHT.
.7 CONCEAL FASTENINGS EXCEPT WHERE EXPOSED FASTENINGS INDICATED.
.8 APPLY BITUMINOUS PAINT TO ALUMINUM IN CONTACT WITH DISSIMILAR METALS, CONCRETE, MASONRY.
.9 DO NOT APPLY MANUFACTURER'S NAMEPLATES ON WORK.
.10 ALUMINUM SURFACES SHALL BE CLEAN, UNIFORM AND FREE FROM SURFACE BLEMISHES.

2.05 ALUMINUN FRAMES AND SASH

.1 FABRICATE GLAZED ALUMINUM WINDOW FRAMING WITH INTERIOR, EXTERIOR EXTRUDED ALUMINUM SECTIONS INTEGRATED WITH A GLASS REINFORCED NYLON THERMAL BREAK TO FORM A COMPOSITE ASSEMBLY WITHOUT FASTENERS, 1 ½" WIDE X 5" DEEP, SIZE AS INDICATED, REQUIRED, TO ACCOMMODATE DOUBLE HERMETICALLY SEALED UNITS.
.2 FIXED FRAMING SHALL BE DESIGNED FOR SCREW SPLINE CORNER CONSTRUCTION.
.3 OPERATING SASH EXTRUSIONS SHALL BE TUBULAR WITH MITRED, CLIP, ADHESIVE, STAKE JOINT CONSTRUCTION.
.4 FABRICATE FLASHINGS, TRIM, BRAKE SECTIONS, ETC. FROM MINIMUM 0.051" THICK SHEET ALUMINUM TO PROFILE REQUIRED, ALUMINUM WILL SECTIONS FROM MINIMUM 0.064" THICK SHEET ALUMINUM, ANODIZED FINISH TO MATCH FRAMING, MAXIMUM LENGTHS, UNDER FLASHED AT JOINTS, CLOSED TURNED UP ENDS.

.5 FABRICATE CONTINUOUS FRAME PERIMETER AIR BARRIER ALUMINUM ANGLE SEALS, MINIMUM 1" LEG SEALED, SECURED ON FRAME, 1 ½" LEG FOR AIR BARRIER CONNECTION AS INDICATED, REQUIRED, MILL FINISH.

.6 PROVIDE GLAZING REBATES OF MEMBERS TO ACCOMMODATE DOUBLE SEALED GLASS UNITS, DRY GASKET GLAZING. PROVIDE LOCK-IN SCREWLESS TYPE GLASS STOPS.
.7 PROVIDE EXPANSION, CONTRACTION, DEFLECTION JOINTS INDICATED, REQUIRED WITH BAFFLED OVERLAPS, COMPRESSED RESILIENT AIR SEAL.
.8 SEAL ALL JOINTS. PROVIDE THERMAL SEPARATORS, AIR SEALS.
.9 BAFFLE VOIDS, OPENINGS IN OUTER SKIN TO EFFECTIVELY DETER RAINWATER ENTRY INTO CAVITIES.
.10 MAKE PROVISION TO VENT, PRESSURE EQUALIZE, GRAVITY DRAIN ALL AIR SPACES TO OUTSIDE AIR.
.11 PROVIDE PURPOSE MADE WELD PLATES, ANCHOR BOLTS, OTHER FASTENING DEVICES FOR INSTALLATION AS REQUIRED.
.12 PREPARE FRAMING, INSTALL VENT SASH, OPERATING HARDWARE AND SCREENS.

2.06 SHOP PAINTING

.1 APPLY TWO SHOP COATS STEEL PRIMER TO STEEL BRACKETS, ADJUSTING PLATES, REINFORCING, ETC.

PART 3 EXECUTION

3.01 INSTALLATION

.1 PERFORM WORK WITH FACTORY APPROVED INSTALLERS, WITH RECOGNIZED EXPERIENCE FOR HANDLING, ERECTION, INSTALLATION OF WORK.
.2 PERFORM WORK IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. COORDINATE WORK WITH OTHER SECTIONS, TO ASSURE PROPER SEQUENCE OF CONSTRUCTION.
.3 CUT, TRIM COMPONENT PARTS DURING ERECTION, ONLY WITH APPROVAL OF MANUFACTURER, FABRICATOR, IN ACCORDANCE WITH HIS RECOMMENDATIONS.
.4 SET, SECURE ALUMINUM WORK LEVEL, PLUMB, TRUE, SQUARE, FREE FROM WARP, SUPERIMPOSED LOADS, CORRECTLY ALIGNED. FASTEN RIGIDLY INTO POSITION, TO PERMIT MINIMUM DEFLECTION, MOVEMENT OF FRAMES.
.5 CAUSE NO DEFLECTION BETWEEN MEMBERS, MAINTAIN MEMBERS IN PERFECT ALIGNMENT.
.6 ENSURE ANCHORS ARE NON-CORROSIVE MATERIAL, OF SUFFICIENT STRENGTH FOR PURPOSE REQUIRED, SUIT WIND LOADING SPECIFIED, DO NOT RESTRICT THERMAL, WIND MOVEMENT, DISTORT FRAMING, BECOME OVER-STRESSED FROM EXPANSION, CONTRACTION OF COMPONENTS.
.7 PROVIDE GLAZING TAPES, COMPOUNDS, BEARING BLOCK, FLASHINGS REQUIRED TO COMPLETE THE WORK.
.8 INSTALL ALUMINUM FLASHINGS, EXTRUDED SILLS, TRIMS, COVER PIECES, ETC. IN CONJUNCTION WITH FRAMING UNITS, SECURELY FASTENED TO WALL CONSTRUCTION.
.9 INSTALL METAL, MATCHING ALUMINUM FLASHINGS DETAILED, REQUIRED FOR WEATHERTIGHT INSTALLATION.
.10 SEAL JOINTS IN CONCEALED MANNER, UNLESS EXPOSED SEALANT IS SHOWN.
.11 CAULK, SEAL WATER TIGHT.
.12 MAKE ALLOWANCE FOR DEFLECTION OF STRUCTURE TO ENSURE THAT STRUCTURAL LOADS ARE NOT TRANSMITTED TO FRAMES.

3.02 GLAZING

.1 GLAZE ALUMINUM FRAMING, SASH WITH HERMETICALLY SEALED DOUBLE GLAZED UNITS.
.2 REMOVE, REPLACE IMPROPERLY SET GLASS, GLASS NOT MEETING GRADE REQUIREMENTS.
.3 ALLOW FOR FULL THERMAL MOVEMENT, EXPANSION/CONTRACTION OF GLASS ON PERIMETER OF FRAMES, BETWEEN GLASS, GLAZING STOPS.
.4 EMPLOY PROCEDURES, METHODS ESTABLISHED BY INSULATED GLASS MANUFACTURERS ASSOCIATION OF CANADA, FLAT GLASS JOBBERS ASSOCIATION, PUBUSHED IN THE ASSOCIATION'S GLAZING MANUAL, AS STANDARDS REQUIRED FOR WORK.
.5 CLEAN SURFACES TO BE GLAZED TO RECEIVE CAULKING.
.6 PERFORM GLAZING BY METHODS STANDARD TO MANUFACTURER. PROVIDE FULL RESILIENT SETTING FOR GLASS.
.7 ENSURE ASSEMBLIES INTERLOCK TO PROVIDE POSITIVE RETENTION FOR GLASS ON EITHER SIDE, IN EVENT OF BREAKAGE.
.8 INSTALL GLAZING SYSTEM IN COMPLETE ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. ENSURE MANUFACTURER'S REPRESENTATIVE ON SITE TO SUPERVISE INSTALLATION.

3.03 CAULKING

.1 PROVIDE ALL CAULKING, SEALING, GASKETTING FOR WEATHERTIGHT INSTALLATION.
.2 SET BACKUP MATERIAL DEPTH REQUIRED, APPLY CAULKING COMPOUNDS, USING AIR OPERATED CAULKING GUN. TOOL SMOOTH, SLIGHT CONCAVE SURFACES.
.3 PROTECT ALUMINUM, SURROUNDING MATERIALS, WITH MASKING TAPE, REMOVE TAPE BEFORE COMPOUND FINALLY SEALED. REMOVE EXCESS CAULKING MATERIALS.
.4 COLOUR OF CAULKING TO MATCH ALUMINUM FINISH.

3.04 ADJUSTMENT

.1 REPLACE BREAKAGE CAUSED IN EXECUTING WORK, BY FAULTY INSTALLATION, IMPROPERLY SET GLASS.

3.05 CLEANING

.1 CLEAN DOWN WORK, REMOVE FINGER MARKS, GLAZING COMPOUND, OTHER MARKS FROM ALUMINUM FRAMING, ADJACENT MATERIALS, ETC. AT COMPLETION OF INSTALLATION.
.2 CLEAN UP RUBBISH, DEBRIS RESULTING FROM WORK PROMPTLY AS WORK PROCEEDS, AT COMPLETION,OTHER TIMES AS DIRECTED BY CONTRACTOR. REMOVE FROM JOB SITE.

END OF SECTION

Neil Cooper Architect Inc.
10-395 Berry Street, Winnipeg, Manitoba R3J 1N6
Phone (204) 885-3855 Fax (204) 831-7148

NO.	DATE	DESCRIPTION	BY

DRAWN BY
PRINTING DATE

The contractor is to verify dimensions and data noted herein with conditions on the site and is held responsible for reporting any discrepancy to the contract administrator for adjustment.

Bid Opportunity No. 300–2012

SYNERGY ARCHITECTURAL INTERIORS
13 Rosewarne. Avenue WINNIPEG, MB Canada R2M 0V8
204 233 9159
malvine@synergyinteriors.com

DATE APRIL 20, 2012 SCALE 1/4"= 1'-0" REVISIONS

DRAWN BY M.G. CHECKED BY M.G.

KITCHEN UPGRADES & RENOVATIONS

FORT ROUGE LEISURE CENTER 625 OSBORNE ST SOUTH
WINNIPEG, MANITOBA

PROJECT SHEET

EXTERIOR WINDOW SPECIFICATIONS

AUTOCAD NUMBER DWG.

A–6