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ARCHITECTURAL SPECIFICATIONS

SECTION 01 00 00 GENERAL REQUIREMENTS

- 1. REFER TO CITY OF WINNIPEG GENERAL TERMS AND CONDITIONS FOUND AT http://winipeg.ca/matmgngen\_cond.stm
2. VISIT JOBSITE DURING TENDER. DRAWINGS INDICATE APPROXIMATE LOCATION OF EXISTING ARCHITECTURAL ELEMENTS. VERIFY EXACT LOCATIONS OF EXISTING ARCHITECTURAL ELEMENTS AND ALLOW FOR NECESSARY RELOCATING OF NOTED ELEMENTS TO SUIT NEW CONSTRUCTION.
3. ALL WORK SHALL CONFORM TO MANITOBA BUILDING CODE AND LOCAL AUTHORITIES. APPLY FOR, OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
4. COORDINATE INSTALLATION WITH ALL RELATED TRADES, MECHANICAL AND ELECTRICAL PLANS AND REFLECTED CEILING PLANS. VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING ELEMENTS PRIOR TO PROCEEDING WITH WORK.
5. SUBMIT SHOP DRAWINGS FOR ALL ELEMENTS TO CONTRACT ADMINISTRATOR.
6. PROVIDE ONE YEAR GUARANTEE FOR ALL WORK.
7. REFER TO INSTRUCTIONS TO BIDDERS FOR REQUIREMENTS REGARDING PROJECT PHASING, WORKING HOURS, SHUT-DOWN PROCEDURES, ACCESS, ETC.
8. ALL INTERIOR SPACE POWER HAMMERING, DRILLING AND OTHER NOISY WORK SHALL BE PERFORMED BETWEEN HOURS OF 8:00 P.M. AND 8:00 A.M.
9. TENDER QUOTATIONS SHALL BE BASED ON THE USE OF SPECIFIED EQUIPMENT, UNLESS ACCEPTANCE FOR THE USE OF EQUAL MANUFACTURERS IS OBTAINED FROM THE CONTRACT ADMINISTRATOR PRIOR TO SUBMISSION OF TENDERS. ALTERNATE MANUFACTURERS MAY BE QUOTED AS AN INCREASE OR DECREASE AMOUNT TO THE TENDER PRICE, WITHOUT PRIOR ACCEPTANCE OF THE CONTRACT ADMINISTRATOR.
10. FURNISH TO THE CONTRACT ADMINISTRATOR THREE (3) COMPLETE SETS OF MANUFACTURER'S OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT REQUIRING MAINTENANCE. REVIEW INSTRUCTIONS WITH CONTRACT ADMINISTRATOR TO ENSURE A THOROUGH UNDERSTANDING OF THE EQUIPMENT AND ITS OPERATION.
11. PROVIDE A MARK-UP OF THE CONTRACT DRAWINGS FOR RECORD "AS-BUILT" DRAWINGS, REVISED AS REQUIRED TO SHOW ANY CHANGES FROM THAT ORIGINALLY SHOWN.
12. PROVIDE AS-BUILT DRAWING IN AUTOCAD FORMAT, COMPLETE WITH DISK PAID FOR BY CONTRACTOR.
13. INSTALLATION OF WORK SHALL BE COORDINATED WITH THE CONTRACTOR AND SHALL BE SCHEDULED SO AS NOT TO ENDANGER OR DISTURB THE USERS OF THE BUILDING. SHUTDOWN OF EXISTING BUILDING SYSTEMS SHALL BE COORDINATED WITH THE CONTRACT ADMINISTRATOR.

2.0 INSULATION

- 1. INSULATE ALL DOMESTIC WATER PIPING WITH 1/2" FIBERGLAS 7 LB. DENSITY, PIPE INSULATION WITH ASJ AS PER MFG. RECOMMENDATIONS. SEAL ALL BREAKS, JOINTS WITH ASJ TAPE.
2. INSULATE ALL HEATING PIPING AND ALL CHILLED WATER PIPING WITH 1" FIBERGLAS 5 1/2 LB. DENSITY PIPING INSULATION WITH ASJ AS PER MANF. RECOMMENDATIONS. SEAL ALL BREAKS, JOINTS WITH ASJ TAPE.
3. ALL COLD PIPING INSULATION SHALL BE CW/ WITH VAPOUR BARRIER.
4. ACOUSTIC INSULATION ON SUPPLY DUCTWORK, WHERE SHOWN ON THE DRAWINGS, SHALL BE 1" THICK FIBREGLASS RIGID COATED DUCT LINER. THE DUCT SIZES SHOWN ON THE DRAWINGS REPRESENTS THE FINAL INTERNAL SIZE REQUIRED. IMPALE ON WELDED STUDS SPACED 16" O.C. PAINT BREAKS AND JOINTS WITH BF-60-30N FIRE RETARDANT MASTIC. COAT EXPOSED EDGES WITH ADHESIVE, PROJECTING FASTENERS AND ENDS CUT OFF VERTICALLY FLUSH.
5. INSULATION ON PIPING IN FINISHED AREAS TO BE RECANVASSED OR COVERED WITH WHITE P.V.C. INSULATION COVER.
6. INSULATE CONDITIONED AIR DUCTWORK WITH 2" FIBERGLAS RFRK FLEXIBLE OR RIGID DUCT INSULATION INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

SECTION 01 61 00 PRODUCT REQUIREMENTS

1.0 MANUFACTURER'S INSTRUCTIONS

- 1. UNLESS OTHERWISE INDICATED IN SPECIFICATIONS, INSTALL OR ERECT PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DO NOT RELY ON LABELS OR ENCLOSURES PROVIDED WITH PRODUCTS. OBTAIN WRITTEN INSTRUCTIONS DIRECTLY FROM MANUFACTURERS.
2. NOTIFY CONTRACT ADMINISTRATOR IN WRITING, OF CONFLICTS BETWEEN SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS, SO THAT THE CONTRACT ADMINISTRATOR MAY ESTABLISH A COURSE OF ACTION.
3. IMPROPER INSTALLATION OR ERECTION OF PRODUCTS, DUE TO FAILURE IN COMPLYING WITH THESE REQUIREMENTS, AUTHORIZES THE CONTRACT ADMINISTRATOR TO REQUIRE REMOVAL AND RE-INSTALLATION AT NO INCREASE IN CONTRACT PRICE OR CONTRACT TIME.

2.0 QUALITY OF WORK

- 1. ENSURE QUALITY OF WORK ID OF HIGHEST STANDARD, EXECUTED BY WORKERS EXPERIENCED AND SKILLED IN RESPECTIVE DUTIES FOR WHICH THEY ARE EMPLOYED. IMMEDIATELY NOTIFY CONTRACT ADMINISTRATOR IF REQUIRED WORK IS SUCH AS TO MAKE IT IMPRACTICAL TO PRODUCE REQUIRED RESULTS.
2. DO NOT EMPLOY ANYONE UNSKILLED IN HIS OR HER REQUIRED DUTIES. CONTRACT ADMINISTRATOR RESERVES RIGHT TO REQUIRE DISMISSAL FROM SITE, WORKERS DEEMED INCOMPETENT OR CARELESS.
3. DECISIONS AS TO STANDARD OR FITNESS OF QUALITY OF WORK IN CASES OF DISPUTE REST SOLELY WITH CONTRACT ADMINISTRATOR, WHOSE DECISION IS FINAL.

SECTION 06 41 11 ARCHITECTURAL WOODWORK

1.0 QUALITY ASSURANCE

- 1. PERFORM WORK IN ACCORDANCE WITH CUSTOM GRADE QUALITY.
2. WORK IN THIS SECTION SHALL COMPLY WITH THE SPECIFIED GRADE OF WORK AND SECTIONS OF THE CURRENT EDITION OF THE ANI/ANMAC QUALITY STANDARD ILLUSTRATED.

SECTION 06 41 12 PLASTIC LAMINATE

PART 1 - GENERAL

1.0 REFERENCES

- 1. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
.1 ASTM D 2832-92(R1994), STANDARD GUIDE FOR DETERMINING VOLATILE AND NON-VOLATILE CONTENT OF PAINT AND RELATED

COATINGS

- 2. ASTM D 5116-90, STANDARD GUIDE FOR SMALL-SCALE ENVIRONMENTAL CHAMBER DETERMINATIONS OF ORGANIC EMISSIONS FROM

INDOOR MATERIALS/PRODUCTS

2. CANADIAN GENERAL STANDARD BOARD (CGSB)

- .1 CAN3-0188.1-M78, INTERIOR MAT-FORMED WOOD PARTICLEBOARD
2. CAN3-0188.3-M82, EXTERIOR BOND MAT-FORMED WOOD PARTICLEBOARD
3. CAN/CGSB-71.20-M88, ADHESIVE, CONTACT, BRUSHABLE

3. CANADIAN STANDARDS ASSOCIATION (CSA)

- .1 CAN3-A172-M79, HIGH PRESSURE, PAPER BASE, DECORATIVE LAMINATES
2. CSA 0112.4-M1977, UREA RESIN ADHESIVES FOR WOOD (ROOM- AND HIGH-TEMPERATURE CURING)
4. CSA 0112.7-SERIES M-1977, RESORCINOL AND PHENOL/RESORCINOL RESIN ADHESIVES FOR WOOD (ROOM- AND

INTERMEDIATE-TEMPERATURE CURING)

- .5 CSA 0121-M1978, DOUGLAS FIR PLYWOOD
6. CAN/CSA 0141-91, SOFTWOOD LUMBER
7. CSA 0151-M1978, CANADIAN SOFTWOOD PLYWOOD
8. CSA 0153-M1980, POPLAR PLYWOOD

4. ENVIRONMENTAL CHOICE PROGRAM (EPC)

- .1 ECP-44-92, ADHESIVES
2. ECP-45-92, SEALANTS AND CAULKING COMPOUNDS
3. ECP-67-95, RECYCLED WATER-BORNE SURFACE COATINGS

1.3 SAMPLES

- 1. SUBMIT SAMPLES IN ACCORDANCE WITH SECTION 01 33 00 - SUBMITTAL PROCEDURES

1.4 CLOSEOUT SUBMITTALS

- 1. PROVIDE MAINTENANCE DATA FOR LAMINATE WORK FOR INCORPORATION INTO MANUAL

1.5 STORAGE AND PROTECTION

- 1. DELIVER, HANDLE, STORE AND PROTECT MATERIALS OF THIS SECTION IN ACCORDANCE WITH SECTION 01610 - BASIC PRODUCT REQUIREMENTS

SECTION 06 41 12 PLASTIC LAMINATE CONTINUED.

PART 2 - PRODUCTS

2.0 MATERIALS

- .1 LAMINATED PLASTIC FOR FLATWORK: TO CAN3-A172, GRADE GP, 1.2MM THICK; BASED ON SOLID, WOODGRAIN, OR PRINTED PATTERNS COLOUR RANGE WITH STANDARD FINISH

- .1 ACCEPTABLE MATERIAL: FORMICA, MATTE COLLECTION, COLOUR: GRAPHITE 837-58

- .1 LAMINATED PLASTIC FOR POSTFORMING WORK: TO CAN3-A172, GRADE PF, 0.7MM THICK; BASED ON SOLID, WOODGRAIN, OR PRINTED PATTERNS COLOUR RANGE WITH STANDARD FINISH

- .1 ACCEPTABLE MATERIAL: FORMICA, MATTE COLLECTION, COLOUR: GRAPHITE 837-58

- 2. LAMINATED PLASTIC BACKING SHEET: GRADE BK, NOT LESS THAN 0.5MM THICK OR SAME THICKNESS AS FACE LAMINATE

- 3. PARTICLEBOARD CORE: TO CAN3-0188.1, SANDED FACES, OF THICKNESS INDICATED

- 4. LAMINATED PLASTIC ADHESIVE: LOW VOC AS RECOMMENDED BY LAMINATE MANUFACTURER

- .1 TEST FOR ACCEPTABLE VOC EMISSIONS IN ACCORDANCE WITH ASTM D 2369 AND ASTM D 2832

- 2. ACCEPTABLE MATERIALS: ECP-44

- 5. SEALER: WATER RESISTANT SEALER OR GLUE ACCEPTABLE TO LAMINATE MANUFACTURER

- .1 TEST FOR ACCEPTABLE VOC EMISSIONS IN ACCORDANCE WITH ASTM D 2369 AND ASTM D 2832

- 2. ACCEPTABLE MATERIALS: ECP-67

- 6. SEALANTS: AS RECOMMENDED BY LAMINATE MANUFACTURER

- .1 TEST FOR ACCEPTABLE VOC EMISSIONS IN ACCORDANCE WITH ASTM D 2369 AND ASTM D 2832

- 2. ACCEPTABLE MATERIALS: ECP-45

- 7. DRAW BOLTS AND SPLINES: AS RECOMMENDED BY FABRICATOR

2.1 FABRICATION

- .1 COMPLY WITH CAN3-A172, APPENDIX 'A'
2. OBTAIN GOVERNING DIMENSIONS BEFORE FABRICATING ITEMS WHICH ARE TO ACCOMMODATE OR ABUT APPLIANCES, EQUIPMENT AND OTHER MATERIALS
3. ENSURE ADJACENT PARTS OF CONTINUOUS LAMINATE WORK MATCH IN COLOUR AND PATTERN
4. VENEER LAMINATED PLASTIC TO CORE MATERIAL IN ACCORDANCE WITH ADHESIVE MANUFACTURER'S INSTRUCTIONS. ENSURE CORE AND LAMINATE PROFILES COINCIDE TO PROVIDE CONTINUOUS SUPPORT AND BOND OVER ENTIRE SURFACE. USE CONTINUOUS LENGTHS UP TO 94 3/4". KEEP JOINTS 23 3/4" FROM SINK CUTOUTS.
5. FORM SHAPED PROFILES AND BENDS AS INDICATED, USING POSTFORMING GRADE LAMINATE TO LAMINATE MANUFACTURER'S INSTRUCTIONS.
6. USE STRAIGHT SELF-EDGING LAMINATE STRIP FOR FLATWORK TO COVER EXPOSED EDGE OF CORE MATERIAL, CHAMBER EXPOSED EDGES UNIFORMLY AT APPROXIMATELY 20 DEGREES. DO NOT MITRE LAMINATE EDGES.
7. APPLY LAMINATE BACKING SHEET TO REVERSE SIDE OF CORE OF PLASTIC LAMINATE WORK.
8. APPLY LAMINATED PLASTIC LINER SHEET WHERE INDICATED.

PART 3 EXECUTION

3.0 INSTALLATION

- .1 INSTALL WORK PLUMB, TRUE AND SQUARE, NEATLY SCRIBED TO ADJOINING SURFACES
2. MAKE ALLOWANCES AROUND PERIMETER WHERE FIXED OBJECTS PASS THROUGH OR PROJECT INTO LAMINATED PLASTIC WORK TO PERMIT NORMAL MOVEMENT WITHOUT RESTRICTION
3. USE DRAW BOLTS AND SPLINES IN COUNTERTOP JOINTS. MAXIMUM SPACING 18" O.C. 3" FROM EDGE. MAKE FLUSH HAIRLINE JOINTS
4. PROVIDE CUTOUTS FOR INSERTS, GRILLES, APPLIANCES, OUTLET BOXES AND OTHER PENETRATIONS ROUND INTERNAL CORNERS, CHAMFER EDGES AND SEAL EXPOSED CORE
5. AT JUNCTION OF LAMINATED PLASTIC COUNTER BACK SPLASH AND ADJACENT WALL FINISH, APPLY SMALL BEAD OF SEALANT
6. SITE APPLY LAMINATED PLASTIC TO UNITES AS INDICATED. ADHERE LAMINATED PLASTIC OVER ENTIRE SURFACE. MAKE CORNERS WITH HAIRLINE JOINTS. USE FULL SIZED LAMINATE SHEETS, MAKE JOINTS ONLY WHERE APPROVED, SLIGHTLY BEVEL ARISES.
7. FOR SITE APPLICATION, OFFSET JOINTS IN PLASTIC LAMINATE FACING FROM JOINTS IN CORE

3.1 PROTECTION

- .1 COVER FINISHED LAMINATED PLASTIC, WOOD, AND METALLIC VENEERED SURFACES WITH HEAVY KRAFT PAPER OR PUT IN CARTONS DURING SHIPMENT. PROTECT INSTALLED LAMINATED SURFACES BY APPROVED MEANS. DO NOT REMOVE UNTIL IMMEDIATELY BEFORE FINAL INSPECTION.

SECTION 07 21 13 BOARD INSULATION

PART 1 - GENERAL

1.0 REFERENCES

- 1. ASTM E96-96, TEST METHODS FOR WATER VAPOUR TRANSMISSION OF MATERIALS
2. ASTM C208-95, STANDARD SPECIFICATION FOR CELLULOSIC FIBRE INSULATING BOARD
3. ASTM C591-94, STANDARD SPECIFICATION FOR UNFACED PREFORMED RIGID POLYISOCYANURATE THERMAL INSULATION
4. ASTM C726-93, STANDARD SPECIFICATION FOR MINERAL FIBRE ROOF INSULATION BOARD
5. ASTM C728-97, STANDARD SPECIFICATION FOR PERLITE THERMAL INSULATION BOARD
6. ASTM C1126-98, STANDARD SPECIFICATION FOR FACED OR UNFACED RIGID CELLULAR PHENOLIC THERMAL INSULATION
7. ASTM C1289-98, STANDARD SPECIFICATION FOR FACED RIGID CELLULAR POLYISOCYANURATE THERMAL INSULATION BOARD

2.0 CANADIAN GAS ASSOCIATION

- 1. CAN/CGA-B149.1-M85, NATURAL GAS INSTALLATION CODE.
2. CAN/CGA-B149.2-95, PROPANE INSTALLATION CODE.

3.0 CANADIAN GENERAL STANDARDS BOARD (CGSB)

- 1. CGSB 71-GP-24M-77, ADHESIVE, FLEXIBLE, FOR BONDING CELLULAR POLYSTYRENE INSULATION.

4.0 UNDERWRITERS LABORATORIES OF CANADA (ULC)

- 1. CAN/ULC-S701-97, THERMAL INSULATION, POLYSTYRENE, BOARDS AND PIPE COVERINGS.
2. CAN/ULC-S702-97, THERMAL INSULATION, MINERAL FIBRE, FOR BUILDINGS.

PART 2 - PRODUCTS

1.0 INSULATION

- 1. INSULATION - SEE DRAWINGS.

2.0 ACCESSORIES

- 2. INSULATION CLIP: IMPALE TYPE, PERFORATED 50 X 50MM COLD ROLLED CARBON STEEL 0.8MM THICK, ADHESIVE BACK, SPINDLE OF 2.5MM DIAMETER ANNEALED STEEL, LENGTH TO SUIT INSULATION, 25MM DIAMETER WASHERS OF SELF LOCKING TYPE.

PART 3 - EXECUTION

1.0 WORKMANSHIP

- 1. INSTALL INSULATION AFTER BUILDING MATERIALS ARE DRY.
2. INSTALL INSULATION TO MAINTAIN CONTINUITY OF THERMAL PROTECTION TO BUILDING ELEMENTS AND SPACES.
3. FIT INSULATION TIGHT AROUND ELECTRICAL BOXES, PLUMBING AND HEATING PIPES AND DUCTS, AROUND EXTERIOR DOORS AND WINDOWS AND OTHER PROTRUSIONS.
4. KEEP INSULATION MINIMUM 75MM FROM HEAT EMITTING DEVICES SUCH AS RECESSED LIGHT FIXTURES, AND MINIMUM 50MM FROM SIDEWALLS OF CAN3-S604 TYPE A CHIMNEYS OR AS REQUIRED BY CODE, WHICHEVER IS MORE STRINGENT.
5. CUT AND TRIM INSULATION NEATLY TO FIT SPACES. BUTT JOINTS TIGHTLY, OFFSET VERTICAL JOINTS. USE ONLY INSULATION BOARDS FREE FROM CHIPPED OR BROKEN EDGES. USE LARGEST POSSIBLE DIMENSIONS TO REDUCE NUMBER OF JOINTS.
6. OFFSET BOTH VERTICAL AND HORIZONTAL JOINTS IN MULTIPLE LAYER APPLICATIONS.
7. DO NOT ENCLOSE INSULATION UNTIL IT HAS BEEN INSPECTED AND APPROVED BY CONTRACT ADMINISTRATOR.

2.0 EXAMINATION

- 1. EXAMINE SUBSTRATES AND IMMEDIATELY INFORM CONTRACT ADMINISTRATOR IN WRITING OF DEFECTS.
2. PRIOR TO COMMENCEMENT OF WORK, ENSURE SUBSTRATES ARE FIRM, STRAIGHT, SMOOTH, DRY, FREE OF SNOW, ICE OR FROST, AND CLEAN OF DUST AND DEBRIS.

SECTION 07 84 00 FIRE STOPPING

1.0 RELATED WORK

- 1. FIRE STOPPING AND SMOKE SEALS WITHIN MECHANICAL ASSEMBLIES (I.E. INSIDE DUCTS, DAMPERS) AND ELECTRICAL ASSEMBLIES (I.E. INSIDE CABLE TRAYS) ARE SPECIFIED IN DIVISION 15 AND 16 RESPECTIVELY.

2.0 REFERENCES

- 1. UNDERWRITER'S LABORATORIES OF CANADA (ULC)

- .1 ULC-S115-1995, FIRE TESTS OF FIRESTOP SYSTEMS

SECTION 08 12 13 STEEL DOORS AND FRAMES

1.0 REFERENCES

- 1. AMERICAN SOCIETY FOR TESTING AND MATERIALS

- .1 ASTM A 653M-95, SPECIFICATION FOR STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALD) BY THE HOT-DIP PROCESS.
2. ASTM B 29-92, SPECIFICATION FOR PIG LEAD
3. ASTM B 749-85(1991), SPECIFICATION FOR ELAD AND LEAD ALLOY STRIP, SHEET AND PLATE PRODUCTS

- 2. CANADIAN GENERAL STANDARDS BOARD (CGSB)

- .1 CAN/CGSB-1.81-92, READU-MIXED ORGANIC ZINC-RICH COATING
2. CGSB 41-GP-19Ma-84, RIGID VINYL EXTRUSIONS FOR WINDOWS AND DOORS
3. CAN/CGSB-51.20-M87, THERMAL INSULATION, POLYSTYRENE, BOARDS, AND PIPE COVERING
4. CGSB 51-GP-21M-78, THERMAL INSULATION, URETHANE AND ISOCYANURATE, UNFACED

- 3. CANADIAN STANDARDS ASSOCIATION (CSA)

- .1 CSA A101-M1983, THERMAL INSULATION, MINERAL FIBRE FOR BUILDINGS
2. CAN/CSA-C40.21-M92, STRUCTURAL QUALITY STEELS
3. CSA W59-M1989, WELDED STEEL CONSTRUCTION (METAL ARC WELDING)

- 4. CANADIAN STEEL DOOR AND FRAME MANUFACTURER'S ASSOCIATION (CSDFMA)

- .1 CSDFMA, SPECIFICATIONS FOR COMMERCIAL STEEL DOORS AND FRAMES, 1990
2. CSDFMA, RECOMMENDED SELECTION AND USAGE GUIDE FOR COMMERCIAL STEEL DOORS, 1990

- 5. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

- .1 NFPA 80-1992, FIRE DOORS AND WINDOWS
2. NAPA 252-1990, DOOR ASSEMBLIES, FIRE TESTS OF

2.0 REQUIREMENTS OF REGULATORY AGENCIES

- 1. STEEL FIRE RATED DOORS AND FRAMES: LABELLED AND LISTED BY AN ORGANIZATION ACCREDITED BY STANDARDS COUNCIL OF CANADA IN CONFORMANCE WITH CAN3-S104M FOR RATINGS SPECIFIED OR INDICATED
2. PROVIDE FIRE LABELLED FRAME PRODUCTS FOR THOSE OPENINGS REQUIRING FIRE PROTECTION RATINGS, AS SCHEDULED. TEST PRODUCTS IN STRICT CONFORMANCE WITH CAN3-S104, ASTM E 152, OR NFPA 252 AND LIST BY NATIONALLY RECOGNIZED AGENCY HAVING FACTORY INSPECTION SERVICE AND CONSTRUCT AS DETAILED IN FOLLOW-UP SERVICE PROCEDURES/FACTORY INSPECTION MANUALS ISSUED BY LISTING AGENCY TO INDIVIDUAL MANUFACTURERS

SECTION 08 71 00 DOOR HARDWARE

1.0 REFERENCES

- 1. STANDARD DOOR HARDWARE LOCATION DIMENSIONS IN ACCORDANCE WITH CANADIAN METRIC GUIDE FOR STEEL DOORS AND FRAMES (MODULAR CONSTRUCTION) PREPARED BY CANADIAN STEEL DOOR AND FRAME MANUFACTURER'S ASSOCIATION

- 2. CANADIAN GENERAL STANDARDS BOARD (CGSB)

- .1 CAN/CGSB-69.17-M86, BORED AND PRE-ASSEMBLED LOCKS AND LATCHES
2. CAN/CGSB-69.18-M90 / ANSIBHMA A156.1-1981 BUTTS AND HINGES
3. CAN/CGSB-69.19-93 / ANSIBHMA A156.3-1984, EXIT DEVICES
4. CAN/CGSB-69.20-M90 / ANSIBHMA A156.4-1986, DOOR CONTROLS (CLOSERS)
5. CAN/CGSB 69.31-M89 / ANSIBHMA A156.15-1981, CLOSER/HOLDER RELEASE DEVICE
6. CAN/CGSB 69.34-93 / ANSIBHMA A156.16-1984, MATERIALS AND FINISHES
7. CAN/CGSB 69.35-M89 / ANSIBHMA A156.19-1984, POWER ASSIST AND LOW ENERGY POWER OPERATED DOOR

SECTION 09 21 06 GYPSUM WALL BOARD

PART 1 - GENERAL

1.0 REFERENCES

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

- .1 ASTM C 36-95, SPECIFICATION FOR GYPSUM WALL BOARD
2. ASTM C 475-94, SPECIFICATION FOR JOINT COMPOUND AND JOINT TAPE FOR FINISHING GYPSUM BOARD
3. ASTM C 514-94, SPECIFICATION FOR NAILS FOR THE APPLICATION OF GYPSUM BOARD
4. ASTM C 840-95, SPECIFICATION FO RAPPLICATION AND FINISHING OF GYPSUM BOARD
5. ASTM C 954-93, SPECIFICATION FOR STEEL DRILL SCREWS FOR THE APPLICATION OF GYPSUM BOARD
6. ASTM C 1002-93, SPECIFICATION FOR STEEL DRILL SCREWS FOR THE APPLICATION OF GYPSUM BOARD OR METAL PLASTER

BASES

- 2. UNDERWRITER LABORATORIES OF CANADA (ULC)

- .1 CAN/ULC-S102-1988, BUILDING MATERIALS AND ASSEMBLIES, STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF

PART 2 - EXECUTION

1.0 ERECTION

- 1. DO APPLICATION AND FINISHING OF GYPSUM BOARD IN ACCORDANCE WITH ASTM C 840 EXCEPT WHERE SPECIFIED OTHERWISE.
2. DO APPLICATION OF GYPSUM BOARD SHEATHING IN ACCORDANCE WITH ASTM C 1280.
3. ERECT HANGERS AND RUNNER CHANNELS FOR SUSPENDED GYPSUM BOARD CEILINGS IN ACCORDANCE WITH ASTM C 840 EXCEPT WHERE SPECIFIED OTHERWISE.
4. SUPPORT LIGHT FIXTURES BY PROVIDING ADDITIONAL CEILING SUSPENSION HANGERS WITHIN 150 MM OF EACH CORNER AND AT MAXIMUM 600 MM AROUND PERIMETER OF FIXTURE.
5. INSTALL WORK LEVEL TO TOLERANCE OF 1:1200.
6. FRAME WITH FURRING CHANNELS, PERIMETER OF OPENINGS FOR ACCESS PANELS, LIGHT FIXTURES, DIFFUSERS, AND GRILLES.
7. FURR FOR GYPSUM BOARD FACED VERTICAL BULKHEADS WITHIN AND AT TERMINATION OF CEILINGS.
8. FRAME ABOVE SUSPENDED CEILINGS FOR GYPSUM BOARD FIRE AND SOUND STOPS AND TO FORM PLENUM AREAS AS INDICATED.
9. INSTALL WALL FURRING FOR GYPSUM BOARD WALL FINISHED IN ACCORDANCE WITH ASTM C 840, EXCEPT WHERE SPECIFIED OTHERWISE.
10. FRAME OPENINGS AND AROUND BUILT-IN EQUIPMENT, CABINETS, ACCESS PANELS, ON FOUR SIDES. EXTEND FURRING INTO REVEALS. CHECK CLEARANCES WITH EQUIPMENT SUPPLIERS.
11. FRAME DUCT SHAFTS, BEAMS, COLUMNS, PIPES, AND EXPOSED SERVICES WHERE INDICATED.
12. ERECT DRYWALL RESILIENT FURRING TRANSVERSELY ACROSS STUDS, SPACED MAXIMUM 600 MM O.C. AND NOT MORE THAN 150 MM FROM CEILING/WALL JUNCTURE. SECURE TO EACH SUPPORT WITH 38 MM COMMON NAIL OR 25 MM DRYWALL SCREW.
13. INSTALL 150 MM CONTINUOUS STRIP OF 12.7 MM GYPSUM BOARD ALONG BASE OF PARTITIONS WHERE RESILIENT FURRING INSTALLED.

NOTES:

THESE DRAWINGS SHALL NOT BE SCALED. CONSULT WITH CONTRACT ADMINISTRATOR AND DESIGNER ON ANY CONCERNS.

SUBMISSION OF SITE MARK-UPS, AS-BUILTS, OPERATING & MAINTENANCE MANUALS AND OTHER SUPPORTING DOCUMENTS TO CLIENT ARE MANDATORY AT THE COMPLETION OF THIS PROJECT.

THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY HIMSELF ALL DIMENSIONS, DATUM, AND DETAILED INFORMATION SHOWN ARE CORRECT.

THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCTS, PIPES & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.

ALL OPENINGS THROUGH FIRE ASSEMBLIES INCLUDING FLOORS AND CEILINGS ARE TO BE FIRE STOPPED AND SEALED WITH ULC APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE A SMOKE-TIGHT BARRIER.

ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURERS SPECIFICATIONS, APPLICABLE CODES AND AUTHORITY HAVING JURISDICTION.

THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING PART OF THE RENOVATION WORK.

WHERE NEW FLOORING AND BASE IS TO BE INSTALLED IN EXISTING AREAS (REFER TO FLOOR PLAN AND ROOM SCHEDULE) THE EXISTING FLOORING SURFACE AND BASE MUST BE REMOVED, UNLESS OTHERWISE NOTED. ALL FLOOR SURFACES SHALL BE PREPARED IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF NEW FLOOR.

WHERE PAINTING OF EXISTING WALLS IS INDICATED ON THE ROOM SCHEDULE, THESE WALLS MUST BE CLEANED OF ANY EXISTING WALL COVERING, PATCHED & PREPARED TO ACCEPT NEW MATERIAL, UNLESS OTHERWISE NOTED.

ALL NEW LIGHTING FIXTURES & NEW RECEPTACLES TO BE CONNECTED TO APPROPRIATE PANELS.

GENERAL DUTY RECEPTACLES SHALL BE WHITE & CSA APPROVED, CW STAINLESS STEEL TRIM PLATES MOUNTED 18" ABOVE FINISHED FLOOR OR OTHERWISE NOTED.

THERMOSTATS, FIRE ALARM PULL STATIONS & OCCUPANCY LIGHT SWITCHES SHALL BE MOUNTED 47" ABOVE FINISHED FLOOR OR OTHERWISE NOTED.

ALL ABANDONED ELECTRICAL FIXTURES, COMPONENTS, RECEPTACLE & DATA WIRING SHALL BE REMOVED BACK TO SOURCE & TERMINATED AS PER APPLICABLE CODES. IF APPLICABLE, THIS INCLUDES WIRING CONTAINED IN HEADER DUCTS IN-FLOOR.

REFER TO CITY OF WINNIPEG, MATERIALS MANAGEMENT GENERAL TERMS & CONDITIONS FOR PROJECT: http://winipeg.ca/matmgngen\_cond.stm

WARNING: ASBESTOS KNOWN TO BE PRESENT IN SPRAY ON FIREPROOFING ABOVE CEILING TILES. ABATEMENT BY CITY OF WINNIPEG CONTRACTOR TO PRECEED START OF CONSTRUCTION. ASBESTOS MAY BE PRESENT IN OTHER AREAS. IF ASBESTOS OR ANY HAZARDOUS MATERIAL IS FOUND, STOP WORK IMMEDIATELY & CONTACT CITY OF WINNIPEG, CENTRAL CONTROL, PH: 204-986-2351.

Table with 4 columns: No., REVISION/DESCRIPTION, BY, DATE. Row 0: ISSUED FOR CONSTRUCTION, KUN, SEPT. 24 2018. Row 00: ISSUED FOR 60% CLIENT REVIEW, KUN, AUG. 17 2018.

SEAL section containing a circular professional seal for R.K. FOK, Registered Architect, Province of Manitoba.

DRAWN, CHECKED, DESIGNED, APPROVED section with fields for DATE (2018.09.24) and USER APPROVAL.

THE CITY OF WINNIPEG PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT MUNICIPAL ACCOMMODATIONS DIVISION 3-65 GARRY STREET, R3C 4K4. PROJECT: WFPS EMERGENCY OPERATIONS CENTRE INTERIOR RENOVATION.

510 MAIN STREET BID OPP # 870-2018

SHEET TITLE SPECIFICATIONS

SCALE AS SHOWN, PROJECT No: 2018-010, SHEET No: A4.0