

0510MMDB.dwg
FILE NAME:
DATE: 2018.09.24
SHEET TITLE: SPECIFICATIONS
PROJECT No: 2018-010
ADDRESS: 510 MAIN STREET

SECTION 09 21 06 GYPSUM WALL BOARD

- DO NOT APPLY GYPSUM BOARD UNTIL BUCKS, ANCHORS, BLOCKING, ELECTRICAL AND MECHANICAL WORK ARE APPROVED.
- APPLY SINGLE OR DOUBLE LAYER GYPSUM BOARD TO WOOD OR METAL FURRING OR FRAMING USING SCREW FASTENERS FOR FIRST LAYER, SCREW FASTENERS FOR SECOND LAYER. MAXIMUM SPACING USING SCREWS 300 MM O.C.
- APPLY SINGLE OR DOUBLE LAYER GYPSUM BOARD TO CONCRETE OR CONCRETE BLOCK SURFACES, WHERE INDICATED, USING LAMINATING ADHESIVE. BRACE OR FASTEN GYPSUM BOARD UNTIL FASTENING ADHESIVE HAS SET. GYPSUM BOARD SHALL BE MECHANICALLY FASTENED AT TOP AND BOTTOM OF EACH SHEET.
- APPLY WATER-RESISTANT GYPSUM BOARD WHERE WALL TILES TO BE APPLIED AND ADJACENT TO SLOP SINKS, JANITOR CLOSETS, WASHROOMS, SINKS AND SHOWERS. APPLY WATER-RESISTANT SEALANT TO EDGES, ENDS, CUT-OUTS WHICH EXPOSE GYPSUM CORE AND TO FASTENER HEADS. DO NOT APPLY JOINT TREATMENT ON AREAS TO RECEIVE TILE FINISH.
- APPLY 12 MM DIAMETER BEAD OF ACOUSTIC SEALANT CONTINUOUSLY AROUND PERIPHERY OF EACH FACE OF PARTITIONING TO SEAL GYPSUM BOARD/STRUCTURE JUNCTION WHERE PARTITIONS ABUT FIXED BUILDING COMPONENTS. SEAL FULL PERIMETER OF CUT-OUTS AROUND ELECTRICAL BOXES, DUCTS, IN PARTITIONS WHERE PERIMETER SEALED WITH ACOUSTIC SEALANT.
- ON CEILINGS: APPLY BASE LAYER PRIOR TO BASE LAYER APPLICATION ON WALLS; APPLY FACE LAYERS IN SAME SEQUENCE. OFFSET JOINTS BETWEEN LAYERS AT
- APPLY BASE LAYERS AT RIGHT ANGLES TO SUPPORTS UNLESS OTHERWISE INDICATED.

PART 2 - EXECUTION

- ERECTOR
- ERECT ACCESSORIES STRAIGHT, PLUMB OR LEVEL, RIGID AND AT PROPER PLANE. USE FULL LENGTH PIECES WHERE PRACTICAL. MAKE JOINTS TIGHT, ACCURATELY ALIGNED AND RIGIDLY SECURED. MITRE AND FIR CORNERS ACCURATELY AND FREE FROM ROUGH EDGES. SECURE AT 150 MM.
- INSTALL CASING BEADS AROUND PERIMETER OF SUSPENDED CEILINGS.
- INSTALL CASING BEADS WHERE GYPSUM BOARD BUTTS AGAINST SURFACES HAVING NO TRIM CONCEALING JUNCTION AND WHERE INDICATED.
- INSTALL INSULATING STRIPS CONTINUOUSLY AT EDGES OF GYPSUM BOARD AND CASING BEADS ABUTTING METAL WINDOW AND EXTERIOR DOOR FRAMES, TO PROVIDE CONTINUOUS POLYETHYLENE DUST BARRIER BEHIND AND ACROSS CONTROL JOINTS.
- LOCATE CONTROL JOINTS WHERE INDICATED ON DRAWINGS AND AT A MAXIMUM 6 M.
- INSTALL CONTROL JOINTS STRAIGHT AND TRUE.
- APPLY FAST-MASK TRIM TO ALL VISIBLE SURFACES OF DISSIMILAR MATERIALS. I.E. TO TIMBER, PVC, METAL, MASONRY, GLASS, ETC.
- INSTALL ACCESS DOORS TO ELECTRICAL AND MECHANICAL FIXTURES SPECIFIED IN RESPECTIVE SECTIONS.
 - RIGIDLY SECURE FRAMES TO FURRING OR FRAMING SYSTEMS/
- FINISH FACE PANEL JOINTS AND INTERNAL ANGLES WITH JOINT SYSTEMS CONSISTING OF JOINT COMPOUND, JOINT TAPE, AND TAPING COMPOUND INSTALLED ACCORDING TO MANUFACTURER'S DIRECTIONS AND FEATHERED ONTO PANEL FACES.
- FINISH CORNER BEADS, CONTROL JOINTS AND TRIM AS REQUIRED WITH TWO COATS OF JOINT COMPOUND AND ONE COAT OF TAPING COMPOUND, FEATHERED OUT
- FILL SCREW HEAD DEPRESSIONS WITH JOINT AND TAPING COMPOUNDS TO BRING FLUSH WITH ADJACENT SURFACE OF GYPSUM BOARD SO AS TO BE INVISIBLE AFTER SURFACE FINISH IS COMPLETED.
- SAND LIGHTLY TO REMOVE BURRED EDGES AND OTHER IMPERFECTIONS. AVOID SANDING ADJACENT SURFACE OF BOARD.
- COMPLETED INSTALLATION TO BE SMOOTH, LEVEL OR PLUMB, FREE FROM WAVERS AND OTHER DEFECTS AND READY FOR SURFACE FINISH.
- REMOVE RIDGES BY LIGHT SANDING OR WIPING WITH DAMP CLOTH.
- INSTALL SOUND ATTENUATION BLANKETS WHERE INDICATED.
- INSTALL CEILING BOARDS IN THE DIRECTION THAT WILL MINIMIZE THE NUMBER OF END-BUT JOINTS. STAGGER END JOINTS AT LEAST 300MM.
- INSTALL GYPSUM BOARD ON WALL VERTICALLY TO AVOID END-BUT JOINTS. AT STAIRWELLS AND SIMILAR HIGH WALLS, INSTALL BOARDS HORIZONTALLY WITH END JOINTS STAGGERED OVER STUDS, EXCEPT WHERE LOCAL CODES FOR FIRE-RATED ASSEMBLIES REQUIRE VERTICAL APPLICATION.
- INSTALL GYPSUM BOARD WITH FACE SIDE OUT. DO NOT INSTALL DAMAGED OR DAMP BOARDS.
- LOCATE EDGE OR END JOINTS OVER SUPPORTS. STAGGER VERTICAL JOINTS OVER DIFFERENT STUDS ON OPPOSITE WALL.

SECTION 09 51 00 ACOUSTICAL CEILING

REFERENCES

- AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
 - ASTM A641/A641M-09A, STANDARD SPECIFICATION FOR ZINC-COATED (GALVANIZED) CARBON STEEL WIRE.
 - ASTM A653/A653M-11, STANDARD SPECIFICATION FOR STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS.
 - ASTM C423-09A, STANDARD TEST METHOD FOR SOUND ABSORPTION AND SOUND ABSORPTION COEFFICIENTS BY THE REVERBERATION ROOM METHOD.
 - ASTM C635/C635M-07, STANDARD SPECIFICATION FOR THE MANUFACTURE, PERFORMANCE, AND TESTING OF METAL SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS.
 - ASTM C636/C636M-08, STANDARD PRACTICE FOR INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS.
 - ASTM D1037-06A, STANDARD TEST METHODS FOR EVALUATING PROPERTIES OF WOOD-BASE FIBER AND PARTICLE PANEL.
 - ASTM D2486-06(2012)E1, STANDARD TEST METHODS FOR SCRUB RESISTANCE OF WALL PAINTS.
 - ASTM D3273-12, STANDARD TEST METHOD FOR RESISTANCE TO GROWTH OF MOULD ON THE SURFACE OF INTERIOR COATINGS IN AN ENVIRONMENTAL CHAMBER.
 - ASTM D4828-04(2008), STANDARD TEST METHODS FOR PRACTICAL WASHABILITY OF ORGANIC COATINGS.
 - ASTM E84-12C, STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.
 - ASTM E119-12, STANDARD TEST METHODS FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIAL.
 - ASTM E1111-07, STANDARD TEST METHOD FOR MEASURING THE INTERZONE ATTENUATION OF CEILINGS SYSTEMS.
 - ASTM E1264-08E1, STANDARD CLASSIFICATION FOR ACOUSTICAL CEILING PRODUCTS.
 - ASTM E1414/E1414M-11A, STANDARD TEST METHOD FOR AIRBORNE SOUND ATTENUATION BETWEEN ROOMS SHARING A COMMON CEILING PLENUM.
 - ASTM E1477-08A(2008), STANDARD TEST METHOD FOR LUMINOUS REFLECTANCE FACTOR OF ACOUSTICAL MATERIALS BY USE OF INTEGRATING-SPHERE REFLECTOMETERS.
- UNDERWRITERS LABORATORIES OF CANADA (ULC).
 - CANULC-S101-07, STANDARD METHODS OF FIRE ENDURANCE TESTS OF BUILDING CONSTRUCTION AND MATERIALS.
 - CANULC-S102-10, METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS AND ASSEMBLIES.

2.0 SYSTEM DESCRIPTION

- SYSTEM REQUIREMENTS.
 - MAXIMUM DEFLECTION: 1/360TH OF SPAN TO ASTM C635 DEFLECTION TEST.

3.0 SUBMITTALS

- SHOP DRAWINGS.
 - SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SECTION 01 33 00.
 - INDICATE LAY-OUT, INSERT AND HANGER SPACING AND FASTENING DETAILS, SPLICING METHOD FOR MAIN AND CROSS RUNNERS, AND ACOUSTIC UNIT SUPPORT AT CEILING FIXTURE.
- SAMPLES.
 - SUBMIT SAMPLES IN ACCORDANCE WITH SECTION 01 33 00.
 - SUBMIT 150 MM X 150 MM SAMPLE OF EACH TYPE OF ACOUSTICAL UNITS.
 - SUBMIT 200 MM LENGTH OF EACH TYPE OF WALL MOULDING AND SUSPENSION SYSTEM INCLUDING MAIN RUNNER AND CROSS
 - SUBMIT 200 MM LENGTH OF EACH TYPE OF PERIMETER TRIM.
- CLOSEOUT SUBMITTALS.
 - PROVIDE MAINTENANCE DATA FOR INCORPORATION INTO OPERATION AND MAINTENANCE MANUAL SPECIFIED IN SECTION 01 78 00.

SECTION 09 51 00 ACOUSTICAL CEILING Continued

3.0 QUALITY ASSURANCE

- SINGLE-SOURCE RESPONSIBILITY: PROVIDE ACOUSTICAL PANEL UNITS AND GRID COMPONENTS BY SINGLE MANUFACTURER.
- SURFACE BURNING CHARACTERISTICS: IDENTIFY ACOUSTICAL CEILING COMPONENTS WITH APPROPRIATE MARKINGS OF APPLICABLE TESTING AND INSPECTING ORGANIZATION.
 - SURFACE BURNING CHARACTERISTICS: TESTED PER ASTM E84 AND COMPLYING WITH ASTM E1264 FOR CLASS A PRODUCTS, FLAME SPREAD 25 OR LESS, SMOKE DEVELOPED 50 OR LESS.
- DELIVERY, STORAGE, AND HANDLING
 - DELIVER ALL MATERIAL TO SITE IN MANUFACTURER'S ORIGINAL UNOPENED PACKAGING WITH LABELS CLEARLY IDENTIFYING PRODUCT NAME AND
 - STORE MATERIALS IN A DRY, ENCLOSED AREA PROTECTED FROM EXPOSURE TO MOISTURE, CONSTRUCTION ACTIVITY, AND DIRECT SUNLIGHT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - HANDLE ALL PRODUCTS WITH APPROPRIATE PRECAUTIONS AND CARE AS STATED MANUFACTURER'S INSTRUCTIONS TO AVOID CHIPPING EDGES OR DAMAGING UNITS IN ANY WAY.
 - CLEANING AND WASTE MANAGEMENT IN ACCORDANCE WITH SECTION 01 74 00.

4.0 SITE CONDITIONS

- PERMIT WET WORK TO DRY BEFORE COMMENCEMENT OF INSTALLATION.
- MAINTAIN UNIFORM MINIMUM TEMPERATURE OF 15 DEGREES C AND HUMIDITY OF 20 - 40% BEFORE, DURING AND AFTER INSTALLATION.
- STORE MATERIALS IN WORK AREA 48 HOURS PRIOR TO INSTALLATION.

5.0 SEQUENCING

- CO-ORDINATE CEILING WORK TO ACCOMMODATE COMPONENTS OF OTHER SECTIONS INCLUDING, BUT NOT LIMITED TO GYPSUM BOARD, MECHANICAL SYSTEMS, ELECTRICAL SYSTEMS, DIFFUSERS, SPEAKERS, AND LIGHT FIXTURES.

6.0 WARRANTY

- MANUFACTURER'S PRODUCT WARRANTY: PROVIDE AN EXTENDED WARRANTY FOR WORK OF THIS SECTION FOR A PERIOD OF 30 YEARS FROM DATE OF SUBSTANTIAL PERFORMANCE OF THE WORK IN ACCORDANCE WITH GC 12.3, MANUFACTURER HEREBY WARRANTS ACOUSTICAL CEILINGS 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 CONTRACT ADMINISTRATOR AND AT NO EXPENSE TO THE CONTRACT ADMINISTRATOR. FAILURES INCLUDE, BUT ARE NOT LIMITED

- ACOUSTICAL PANELS: VISIBLE SAG, MOLD/MILDEW & BACTERIA.
- GRID SYSTEM: RUSTING AND MANUFACTURER'S DEFECTS.

7.0 MAINTENANCE

- COMPLY WITH REQUIREMENTS OF SECTION 01 78 00.
- PROVIDE MAINTENANCE MATERIALS AS FOLLOWS:
 - ACOUSTICAL CEILING UNITS: SUPPLY QUANTITY OF FULL-SIZE UNITS EQUAL TO 5 PERCENT OF AMOUNT INSTALLED FOR EACH TYPE OF
 - EXPOSED SUSPENSION SYSTEM COMPONENTS: SUPPLY QUANTITY OF EACH EXPOSED SUSPENSION COMPONENT EQUAL TO 2 PERCENT OF AMOUNT INSTALLED.
 - MAINTENANCE MATERIALS TO BE FROM SAME PRODUCTION RUN AS INSTALLED MATERIALS.

PART 2 - PRODUCTS

1.0 MATERIALS

- SUSPENSION SYSTEM.
 - NON-RATED SUSPENSION SYSTEM (TYPICAL).

2.0 ACOUSTICAL CEILING UNITS.

1. ACOUSTIC UNITS (ACS).

- EDGE MOULDINGS AND TRIM: MANUFACTURER'S STANDARD METAL MOULDINGS OF TYPES AND PROFILES FOR EDGES AND PENETRATIONS, INCLUDING LIGHT FIXTURES, THAT FIT TYPE OF EDGE DETAIL AND SUSPENSION SYSTEM INDICATED. PROVIDE MOULDINGS WITH EXPOSED FLANGE OF SAME WIDTH AS EXPOSED
- LAY-IN LIGHT LENS PANEL, PRISMATIC: 3 MM THICK K12 PRISMATIC LENS CLEAR ACRYLIC CEILING LIGHT PANEL.
- ATTACHMENT DEVICES: SIZE FOR 5 TIMES DESIGN LOAD INDICATED IN ASTM C635, TABLE 1, DIRECT HUNG UNLESS OTHERWISE INDICATED.
- WIRE FOR HANGERS AND TIES: ASTM A641/A641M, CLASS 1 ZINC COATING, SOFT TEMPER, PRESTRETCHED, WITH YIELD STRESS LOAD OF AT LEAST 3 TIMES DESIGN LOAD, BUT NOT LESS THAN 12 GAUGE (0.106) DIAMETER.

- FABRICATE ACOUSTICAL UNITS FOR SUSPENDED CEILING SYSTEM TO ASTM E1264.

PART 3 - EXECUTION

- DO NOT INSTALL ACOUSTIC TILES IN CEILING SUSPENSION SYSTEM UNTIL WORK ABOVE CEILING HAS BEEN INSPECTED BY CONTRACT ADMINISTRATOR.
- DO NOT PROCEED WITH INSTALLATION UNTIL ALL WET WORK SUCH AS PAINTING HAS BEEN COMPLETED AND THOROUGHLY DRIED OUT.

- CLEAN AND RE-USE EXISTING GRID WHERE SPECIFIED.

- INSTALL SUSPENSION SYSTEM AND PANELS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, AND IN COMPLIANCE WITH ASTM C636/C636M AND WITH AUTHORITIES HAVING JURISDICTION.
- SUSPEND MAIN BEAM FROM OVERHEAD CONSTRUCTION WITH HANGER WIRES SPACED 1220 MM ON CENTER ALONG LENGTH OF MAIN RUNNER AND WITHIN 150 MM OF ENDS. INSTALL HANGER WIRES PLUMB AND STRAIGHT SPACED.
- INSTALL WALL MOULDINGS AT INTERSECTION OF SUSPENDED CEILING, VERTICAL SURFACES, AND LAY-IN DIFFUSERS, MITER CORNERS WHERE WALL MOLDINGS INTERSECT OR INSTALL CORNER CAPS.
- INSTALL MAIN BEAM AT ALL TRANSITIONS OF SUSPENDED CEILING TILE TO RADIANT PANELS.
- INSTALL ACOUSTICAL PANELS IN COORDINATION WITH SUSPENDED SYSTEM, WITH EDGES RESTING ON FLANGES OF MAIN RUNNER AND CROSS TEES. CUT AND FIT PANELS NEATLY AGAINST ABUTTING SURFACES. SUPPORT EDGES BY WALL MOLDINGS.
- INSTALL TRIM AND MOULDINGS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

4.0 ADJUSTING AND CLEANING

- REPLACE DAMAGED AND BROKEN PANELS.
- CLEAN EXPOSED SURFACES OF ACOUSTICAL CEILING, INCLUDING TRIM, EDGE MOLDINGS, AND SUSPENSION MEMBERS. COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR CLEANING AND TOUCH-UP OF MINOR FINISH DAMAGE. REMOVE AND REPLACE WORK THAT CANNOT BE SUCCESSFULLY CLEANED AND REPAIRED TO PERMANENTLY ELIMINATE EVIDENCE OF DAMAGE.

SECTION 09 65 00 RESILIENT FLOORING

PART 1 - GENERAL

1.0 REFERENCES

- AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
 - ASTM D2047-11, STANDARD TEST METHOD FOR STATIC COEFFICIENT OF FRICTION OF POLISHCOATED FLOOR SURFACES AS MEASURED BY THE JAMES MACHINE.
 - ASTM D2240-05(2010), STANDARD TEST METHOD FOR RUBBER PROPERTY-DUROMETER HARDNESS.
 - ASTM E84-12C, STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.
 - ASTM E648-10E1, STANDARD TEST METHOD FOR CRITICAL RADIANT FLUX OF FLOOR-COVERING SYSTEMS USING A RADIANT

SECTION 09 65 00 RESILIENT FLOORING

HEAT ENERGY SOURCE.

- ASTM E662-09, STANDARD TEST METHOD FOR SPECIFIC OPTICAL DENSITY OF SMOKE GENERATED BY SOLID MATERIALS.
- ASTM F710-11, STANDARD PRACTICE FOR PREPARING CONCRETE FLOORS TO RECEIVE RESILIENT FLOORING.
- ASTM F1303-04(2009), STANDARD SPECIFICATION FOR VINYL SHEET FLOOR COVERING WITH BACKING.
- ASTM F1616-08, STANDARD PRACTICE FOR SEALING SEAMS OF RESILIENT FLOORING PRODUCTS BY THE HEAT WELD METHOD (WHEN RECOMMENDED).
- ASTM F1861-08, STANDARD SPECIFICATION FOR RESILIENT WALL BASE.
- ASTM F1913-04(2010), STANDARD SPECIFICATION FOR VINYL SHEET FLOOR COVERING WITHOUT BACKING.
- ASTM F1344, STANDARD SPECIFICATION FOR RUBBER FLOOR TILE, TYPE 1-A AND 1-B.
- ASTM D 2240, STANDARD TEST METHOD FOR RUBBER PROPERTY - DUROMETER HARDNESS: 65 SHORE A
- ASTM D 3389, STANDARD TEST METHOD FOR COATED FABRICS ABRASION RESISTANCE
- ASTM D2047, STANDARD TEST METHOD FOR STATIC COEFFICIENT OF FRICTION OF POLISH-COATED FLOORING
- ASTM F970, STANDARD TEST METHOD FOR STATIC LOAD LIMIT
- ASTM E648, STANDARD TEST METHOD FOR CRITICAL RADIANT FLUX OF FLOOR-COVERING SYSTEMS USING A RADIANT HEAT ENERGY

- SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQM).

- RULE 1168 - ADHESIVE AND SEALANT APPLICATIONS, 2005.

3. UNDERWRITERS LABORATORIES OF CANADA (ULC).

- CANULC S101-07, STANDARD METHODS OF FIRE ENDURANCE TESTS OF BUILDING CONSTRUCTION AND MATERIALS.
- CANULC S102-10, STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS AND

- CANULC S102.2-10, STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF FLOORING, FLOOR COVERINGS, AND MISCELLANEOUS MATERIALS AND ASSEMBLIES.

2.0 SUBMITTALS

1. SHOP DRAWINGS.

- SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH N.M.S SECTION 01 33 00.
- INDICATE LOCATIONS AND LENGTHS OF SEAMS FOR ALL FLOOR AREAS AND OTHER DETAILS REQUIRED BY CONTRACT TO APPROVE INSTALLATION.

2. SAMPLES.

- SUBMIT SAMPLES IN ACCORDANCE WITH SECTION 01 33 00.
- SUBMIT 300 X 300 MM SAMPLE OF EACH TYPE OF RESILIENT FLOORING.

3. CLOSEOUT SUBMITTALS.

- PROVIDE MAINTENANCE DATA FOR INCORPORATION INTO OPERATION AND MAINTENANCE MANUAL SPECIFIED IN SECTION 01 78 00.

3.0 QUALITY ASSURANCE

1. QUALIFICATIONS.

- SKILLED TRADESPEOPLE TO BE EMPLOYED BY SPECIALTY COMPANY RECOGNIZED AND TRAINED AS APPROVED INSTALLER BY MANUFACTURER, NORMALLY ENGAGED IN THIS TYPE OF WORK WITH EXTENSIVE EXPERIENCE IN INSTALLATION OF PRODUCTS SPECIFIED.

2. FIELD TESTING.

- PERFORM MOISTURE AND ALKALINITY TESTS PRIOR TO RESILIENT FLOORING INSTALLATION. MOISTURE CONTENT MUST NOT EXCEED THE CAPACITY OF THE MANUFACTURER'S RECOMMENDED ADHESIVE (VERIFY USING THE ANHYDROUS CALCIUM CHLORIDE TEST AS PER ASTM F1869) AND PH LEVEL SHOULD BE IN THE RANGE OF 7 TO 8.5.

4.0 DELIVERY, STORAGE, AND HANDLING

- DELIVER ALL MATERIAL TO SITE IN MANUFACTURER'S ORIGINAL UNOPENED PACKAGING WITH LABELS CLEARLY IDENTIFYING PRODUCT NAME AND MANUFACTURER.
- STORE RESILIENT PRODUCTS AND INSTALLATION MATERIALS IN A DRY, ENCLOSED AREA PROTECTED FROM EXPOSURE TO MOISTURE, CONSTRUCTION ACTIVITY, AND DIRECT SUNLIGHT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- HANDLE ALL PRODUCTS WITH APPROPRIATE PRECAUTIONS AND CARE AS STATED MANUFACTURER'S INSTRUCTIONS.
- CLEANING AND WASTE MANAGEMENT IN ACCORDANCE WITH SECTION 01 74 00.

5.0 SITE CONDITIONS

- COMPLY WITH REQUIREMENTS OF WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) REGARDING USE, HANDLING, STORAGE, AND DISPOSAL OF HAZARDOUS MATERIALS.
- MAINTAIN AIR TEMPERATURE AND STRUCTURAL BASE TEMPERATURE AT FLOORING INSTALLATION AREA ABOVE 20 DEGREES C AND RELATIVE HUMIDITY BETWEEN 10% AND 30% FOR 48 HOURS BEFORE, DURING AND 48 HOURS AFTER INSTALLATION.
- PROVIDE CONTINUOUS VENTILATION DURING AND AFTER RESILIENT FLOORING INSTALLATION. RUN VENTILATION SYSTEM 24 HOURS PER DAY DURING INSTALLATION AND PROVIDE CONTINUOUS VENTILATION AND FOR 48 TO 72 HOURS AFTER INSTALLATION. DO NOT LET CONTAMINATED AIR RE-CIRCULATE THROUGH EXISTING BUILDING AIR DISTRIBUTION SYSTEM.

6.0 WARRANTY

- MANUFACTURER'S PRODUCT WARRANTY: PROVIDE AN EXTENDED WARRANTY FOR WORK OF THIS SECTION FROM DATE OF TOTAL PERFORMANCE OF THE WORK TO TERM OF WARRANTY SPECIFIED IN ACCORDANCE WITH GC MANUFACTURER HEREBY WARRANTS RESILIENT FLOORING AND RUBBER BASE TO BE FREE OF MANUFACTURING AND MATERIAL DEFECTS SUBJECT TO PROPER CARE AND MAINTENANCE, AND THESE OR OTHER OBSERVED DEFECTS AND DEFICIENCIES WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR, AND AT NO EXPENSE TO CONTRACT ADMINISTRATOR

- RUBBER FLOORING (RF).
- RUBBER BASE (RB).
- VINYL COMPOSITE TILE (VCT).

- COMPLY WITH REQUIREMENTS OF NMS SECTION 01 78 00.

2. PROVIDE MAINTENANCE MATERIALS AS FOLLOWS:

- RUBBER FLOORING (RF): 5% OF FLOOR AREA FOR EACH TYPE, COLOUR AND PATTERN OF RESILIENT FLOORING
- RUBBER BASE (RB): 1 ROLL OF EACH COLOUR OF RUBBER BASE
- RUBBER FLOORING (VCT): 1 BOX FLOOR AREA FOR EACH TYPE, COLOUR AND PATTERN OF RESILIENT FLOORING

INSTALLED. SHEET MATERIAL TO BE SUPPLIED IN ONE PIECE.

- ADHESIVES: SUFFICIENT VOLUME TO INSTALL MAINTENANCE MATERIALS BUT NOT LESS THAN UNOPENED 1 LITRE CAN OF EACH TYPE OF ADHESIVE.
- MAINTENANCE MATERIALS TO BE FROM SAME PRODUCTION RUN AS INSTALLED MATERIALS.

NOTES:

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

SUBMISSION OF SITE MARKINGS, 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 ONESELF 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 MANUFACTURER'S 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, C/W 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://WINNIPEG.CA/CMMATMGCGEN_COND.STM](http://winipeg.ca/cmmatmgcgen_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.

0	ISSUED FOR CONSTRUCTION	KJN	SEPT. 24 2018
00	ISSUED FOR 60% CLIENT REVIEW	KJN	AUG. 17 2018
No.	REVISION/DESCRIPTION	BY	DATE

SEAL



DRAWN	CHECKED	DESIGNED	APPROVED
KJN			
DATE	USER	APPROVAL	
2018.09.24			

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	PROJECT No:	SHEET No:
	2018-010	A4.1