

ARCHITECTURAL SPECIFICATIONS

SECTION 01 00 00 GENERAL REQUIREMENTS

- 1. REFER TO CITY OF WINNIPEG GENERAL TERMS AND CONDITIONS FOUND AT http://winnipeg.ca/matmg/gen_cond.stm
2. A SITE VISIT DURING TENDER CAN BE REQUIRED TO THOSE WITH LEVEL 2 SECURITY CLEARANCE ONLY. DRAWINGS INDICATE APPROXIMATE LOCATION OF EXISTING ARCHITECTURAL ELEMENTS. VERIFY EXACT LOCATIONS OF EXISTING
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, INCLUDING ELECTRICAL. 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 WARRANTY ON ALL WORKMANSHIP AS PER CITY OF WINNIPEG GENERAL TERMS AND CONDITIONS.
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 6:00 P.M. AND 8:00 A.M.
9. TENDER QUOTATIONS SHALL BE BASED ON THE USE OF SPECIFIED PRODUCTS UNLESS ACCEPTANCE FOR THE USE OF EQUAL MANUFACTURERS IS OBTAINED FROM THE CONTRACT ADMINISTRATOR PRIOR TO SUBMISSION OF TENDERS.
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, WHERE POSSIBLE.
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.

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 REPRESENTATIVE.
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 OF PRODUCTS, DUE TO FAILURE IN COMPLYING WITH THESE REQUIREMENTS, MAY RESULT IN THE CONTRACT ADMINISTRATOR TO REQUIRE REMOVAL AND RE-INSTALLATION AT NO INCREASE IN CONTRACT PRICE.
2.0 QUALITY OF WORK
1. ENSURE QUALITY OF WORK IS 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. FLOORING CONTRACTOR MUST HAVE A MINIMUM 5-7 YEARS EXPERIENCE IN INSTALLING FLOORING PRODUCTS. PROVIDE REFERENCES TO THE CONTRACT ADMINISTRATOR OF INSTALLATION JOBS OF SIMILAR SIZE AND ANTI-STATIC PRODUCT UPON REQUEST.
3. FLOORING INSTALLERS EMPLOYED BY FLOORING CONTRACTOR MUST HAVE A MINIMUM 5-7 YEARS EXPERIENCE IN INSTALLING CARPET TILE AND PORCELAIN TILE.
4. MILLWORKERS EMPLOYED BY GENERAL CONTRACTOR MUST HAVE A MINIMUM 5-7 YEARS EXPERIENCE IN BUILDING AND INSTALLING COMMERCIAL CABINETS WITH SOLID SURFACE COUNTERTOPS.

SECTION 09 65 19 RESILIENT FLOORING

PART 1- GENERAL

1.0 REFERENCES

- 1. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
.1 ASTM D2047-11, STANDARD TEST METHOD FOR STATIC COEFFICIENT OF FRICTION OF POLISHCOATED FLOOR SURFACES AS MEASURED BY THE JAMES MACHINE.
.2 ASTM D2240-05(2010), STANDARD TEST METHOD FOR RUBBER PROPERTY-DUROMETER HARDNESS.
.3 ASTM E84-12C, STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.
HEAT ENERGY SOURCE.
.5 ASTM E662-09, STANDARD TEST METHOD FOR SPECIFIC OPTICAL DENSITY OF SMOKE GENERATED BY SOLID MATERIALS.
.6 ASTM F710-11, STANDARD PRACTICE FOR PREPARING CONCRETE FLOORS TO RECEIVE RESILIENT FLOORING.
.7 ASTM F1303-04(2009), STANDARD SPECIFICATION FOR VINYL SHEET FLOOR COVERING WITH BACKING.
.8 ASTM F1516-08, STANDARD PRACTICE FOR SEALING SEAMS OF RESILIENT FLOORING PRODUCTS BY THE HEAT WELD METHOD

(WHEN RECOMMENDED).

- .9 ASTM F1861-08, STANDARD SPECIFICATION FOR RESILIENT WALL BASE.
.10 ASTM F1913-04(2010), STANDARD SPECIFICATION FOR VINYL SHEET FLOOR COVERING WITHOUT BACKING.
.11 ASTM F1344, STANDARD SPECIFICATION FOR RUBBER FLOOR TILE, TYPE 1-A, AND 1-B.
.12 ASTM D 2240, STANDARD TEST METHOD FOR RUBBER PROPERTY - DUROMETER HARDNESS: 65 SHORE A
.13 ASTM D 3389, STANDARD TEST METHOD FOR COATED FABRICS ABRASION RESISTANCE
.14 ASTM D2047, STANDARD TEST METHOD FOR STATIC COEFFICIENT OF FRICTION OF POLISH-COATED FLOORING
.15 ASTM F970, STANDARD TEST METHOD FOR STATIC LOAD LIMIT
.16 ASTM E848, STANDARD TEST METHOD FOR CRITICAL RADIANT FLUX OF FLOOR-COVERING SYSTEMS USING A RADIANT HEAT ENERGY

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

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

3. UNDERWRITERS LABORATORIES OF CANADA (ULC).

- .1 CANULC S101-07, STANDARD METHODS OF FIRE ENDURANCE TESTS OF BUILDING CONSTRUCTION AND MATERIALS.
.2 CANULC S102-10, STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS AND
.3 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.
.1 SUBMIT SHOP DRAWINGS SHOWING ALL SPECIFIED PRODUCT.
.2 INDICATE LOCATIONS AND LENGTHS OF SEAMS FOR ALL FLOOR AREAS AND OTHER DETAILS REQUIRED BY CONTRACT TO APPROVE INSTALLATION.
2 SAMPLES.
.1 SUBMIT SAMPLES FOR ALL SPECIFIED FLOORING PRODUCTS.

3. CLOSEOUT SUBMITTALS.

- .1 PROVIDE MAINTENANCE DATA FOR INCORPORATION INTO OPERATION AND MAINTENANCE MANUALS.

3.0 QUALITY ASSURANCE

1. QUALIFICATIONS.

- .1 EXPERIENCED INSTALLERS TO BE EMPLOYED BY FLOORING COMPANY, TO BE RECOGNIZED AND TRAINED AS APPROVED INSTALLER BY MANUFACTURER, NORMALLY ENGAGED IN THIS TYPE OF WORK WITH MIN. 5-7 YEARS EXPERIENCE IN INSTALLATION OF ALL PRODUCTS SPECIFIED.

4.0 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 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.
3. HANDLE ALL PRODUCTS WITH APPROPRIATE PRECAUTIONS AND CARE AS STATED MANUFACTURER'S INSTRUCTIONS.
4. PROVIDE DAILY CLEANING AND WASTE MANAGEMENT FOR SITE. WASTE DISPOSAL AS PER DESIGNATED AREA OF BUILDING SERVICES.
5. DELIVER AND UNLOAD ALL MATERIAL TO DESIGNATED LOCATION AS INDICATED BY CONTRACT ADMINISTRATOR.

SECTION 09 65 19 RESILIENT FLOORING (CONT.)

5.0 SITE CONDITIONS

- 1. COMPLY WITH REQUIREMENTS OF WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) REGARDING USE, HANDLING, STORAGE, AND DISPOSAL OF HAZARDOUS MATERIALS.
2. 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.
3. 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

- 1. MANUFACTURER'S PRODUCT WARRANTY: PROVIDE A WARRANTY FOR WORK OF THIS SECTION FROM DATE OF TOTAL PERFORMANCE OF THE WORK TO TERM OF WARRANTY SPECIFIED. MANUFACTURER HEREBY WARRANTS RUBBER BASE TO BE FREE OF MANUFACTURING AND MATERIAL DEFECTS SUBJECT TO PROPER CARE AND MAINTENANCE. THESE OR OTHER OBSERVED DEFECTS AND DEFICIENCIES WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.
.1 RUBBER BASE (RB).
2. PROVIDE MAINTENANCE MATERIALS AS FOLLOWS:
.1 RUBBER BASE (RB): 1 ROLL OF EACH COLOUR OF RUBBER BASE
2 ADHESIVES: SUFFICIENT VOLUME TO INSTALL MAINTENANCE MATERIALS BUT NOT LESS THAN UNOPENED 1 LITRE CAN OF EACH TYPE OF ADHESIVE AS SUGGESTED BY MANUFACTURER.
3. MAINTENANCE MATERIALS TO BE FROM SAME PRODUCTION RUN AS INSTALLED MATERIALS.

PART 2 - PRODUCTS

1.0 - MATERIALS

- 1. RUBBER BASE RB-1 AND RB-2 AS SPECIFIED ON DRAWINGS.

2.0 - ACCESSORIES

- .1 PRIMERS AND ADHESIVES: WATER-RESISTANT TYPE RECOMMENDED BY RESILIENT FLOORING MANUFACTURER FOR USE WITH THEIR PRODUCT ON APPLICABLE SUBSTRATES.
.1 PRIMER (AS REQUIRED).
1. VOC CONTENT: COMPLY WITH RULE 1168 OF SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT.
2 RUBBER BASE ADHESIVE.
1. VOC CONTENT: COMPLY WITH RULE 1168 OF SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT.
2. SUBFLOOR FILLER AND LEVELER: AS RECOMMENDED BY FLOORING MANUFACTURER FOR USE WITH THEIR PRODUCT.

3.0 - COLOURS

REFER TO DRAWINGS AND FINISH LEGEND ON PAGE A1.3

PART 3 - EXECUTION

1. RUBBER BASE (RB).

- .1 LAY OUT BASE TO KEEP NUMBER OF JOINTS AT MINIMUM. USE LONGEST PRACTICAL LENGTHS TO MINIMIZE JOINTS.
2. CLEAN WALLS OF DUST AND PRIME WITH ONE COAT OF ADHESIVE.
.3 APPLY ADHESIVE TO BACK OF BASE AND SET BASE IN ADHESIVE TIGHTLY AGAINST WALL WITH HAND ROLLER.
4. INSTALL STRAIGHT AND LEVEL TO VARIATION OF PLUS OR MINUS 3 MM OVER 3 M STRAIGHT EDGE.
5. SCRIBE AND FIT TO DOOR FRAMES AND OTHER OBSTRUCTIONS.
6. MITER INTERNAL CORNERS AND WRAP EXTERNAL CORNERS. PREMOULDED CORNERS NOT PERMITTED.

4.0 CLEANING

- 1. REMOVE EXCESS ADHESIVE FROM FLOOR, BASE AND WALL SURFACES WITHOUT DAMAGE.
2. CLEAN FLOOR AND BASE SURFACE TO FLOORING MANUFACTURER'S PRINTED INSTRUCTIONS.

5.0 PROTECTION

- 1. PROHIBIT TRAFFIC ON FLOOR FOR 48 HOURS AFTER INSTALLATION, OR ACCORDING TO MANUFACTURER'S INSTRUCTIONS. PROHIBIT HEAVY TRAFFIC, ROLLING LOADS, OR FURNITURE PLACEMENT FOR 72 HOURS AFTER INSTALLATION. THEREAFTER, PROTECT NEW FLOORS FROM DAMAGE DURING FINAL STAGES OF CONSTRUCTION UNTIL SUBSTANTIAL COMPLETION OF PROJECT.

6.0 SCHEDULES

- 1. REFER TO DRAWING A1.3

SECTION 09 68 13 CARPET TILE

PART 1 - GENERAL

1.0 REFERENCES

- 1. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
.1 ASTM E84-13A, STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.
.2 ASTM E662-09, STANDARD TEST METHOD FOR SPECIFIC OPTICAL DENSITY OF SMOKE GENERATED BY SOLID MATERIALS.
2. AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS (AATCC).
.1 AATCC TEST METHOD 134-2006, ELECTROSTATIC PROPENSITY OF CARPETS.
3. NATIONAL FIRE PROTECTION AGENCY (NFPA)

2.0 SUBMITTALS

1. PRODUCT DATA.

- .1 SUBMIT PRODUCT DATA IN ACCORDANCE WITH PROJECT GUIDELINES.
.2 SUBMIT PRODUCT DATA SHEET FOR CARPET TILE. GROUNDING STRIPS AND QUICK RELEASE ADHESIVE.
.3 SUBMIT MANUFACTURER'S INSTALLATION INSTRUCTIONS.
.4 SUBMIT SHOP DRAWINGS THAT INCLUDE LAYOUT OF SEAMS, EDGES AND OTHER CONDITIONS WHERE JOINED OR BUTTED TO ADJACENT MATERIALS. INDICATE DIRECTION OF CARPET TILE PATTERN IN ROOM. SUBMIT MIN. 12" X12" SAMPLE OF PROPOSED CARPET TILE.
2. CLOSEOUT SUBMITTALS.
.1 SUBMIT OPERATION AND MAINTENANCE DATA FOR INCORPORATION INTO OPERATION MAINTENANCE AND WARRANTY MANUAL TO CONTRACT ADMINISTRATOR AT COMPLETION OF PROJECT.

3.0 QUALITY ASSURANCE

1. QUALITY ASSURANCE.

- .1 CARPET MANUFACTURER SHALL HAVE BEEN MANUFACTURING COMMERCIAL CONTRACT CARPET TILE FOR A PERIOD OF 20 YEARS.
.2 FLOORING CONTRACTOR AND THEIR INSTALLERS TO HAVE MIN. 7-10 YEARS EXPERIENCE IN INSTALLING COMMERCIAL CARPET
.3 FLOORING CONTRACTOR SHALL BE CERTIFIED BY THE FLOOR COVERING INSTALLATION BOARD (FCIB)
2. MOCK-UPS.
.1 CONSTRUCT ON SITE MOCK-UPS FOR REVIEW OF CARPET TILE DIRECTION BY CITY OF WINNIPEG AND WFPS STAFF.
.2 PREPARE MOCK SECTION FOR EACH TILE PATTERN OR AS REQUESTED BY CONTRACT ADMINISTRATOR.
.3 ALLOW 48 HOURS FOR REVIEW OF MOCK-UP BY CONSULTANT BEFORE PROCEEDING WITH WORK OF THIS SECTION.
.4 WHEN ACCEPTED, MOCK-UP WILL DEMONSTRATE MINIMUM STANDARD FOR THIS WORK. MOCK-UP MAY REMAIN AS PART OF FINISHED WORK.

4.0 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.
4. CLEANING OF SITE AND WASTE MANAGEMENT TO BE DONE DAILY AND WASTE DISPOSED OF IN DESIGNATED AREAS.

SECTION 09 68 13 CARPET TILE (CONT.)

5.0 SITE CONDITIONS

- 1. COMPLY WITH REQUIREMENTS OF WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) REGARDING USE, HANDLING, STORAGE, AND DISPOSAL OF HAZARDOUS MATERIALS.
2. MAINTAIN AIR TEMPERATURE AND STRUCTURAL BASE TEMPERATURE AT FLOORING INSTALLATION AREA ABOVE 20 DEGREES C AND RELATIVE HUMIDITY AT 65% MAXIMUM FOR 48 HOURS BEFORE, DURING AND 48 HOURS AFTER INSTALLATION.
3. PROVIDE CONTINUOUS VENTILATION DURING AND AFTER 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

- 1. MANUFACTURER'S PRODUCT WARRANTY: PROVIDE A WARRANTY FOR WORK OF THIS SECTION FROM DATE OF SUBSTANTIAL PERFORMANCE OF THE WORK TO TERM OF WARRANTY SPECIFIED. MANUFACTURER HEREBY WARRANTS CARPET TILE AGAINST MANUFACTURING AND MATERIALS DEFECTS, AND WILL PROVIDE SPECIFIED LEVEL OF APPEARANCE AND PERFORMANCE 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 THE CONTRACT ADMINISTRATOR.

7.0 MAINTENANCE

- 1. PROVIDE MAINTENANCE MATERIALS AS FOLLOWS:
.1 CARPET TILE: 3 BOXES OF THE FLOOR AREA FOR TYPE, COLOUR AND PATTERN OF CARPET INSTALLED. EXTRA MATERIALS TO BE FROM SAME PRODUCTION RUN AS INSTALLED MATERIALS.
.2 ADHESIVES: SUFFICIENT VOLUME TO INSTALL MAINTENANCE MATERIALS BUT NOT LESS THAN AN UNOPENED 1 LITRE CAN OF EACH TYPE OF ADHESIVE.
2. MAINTENANCE MATERIALS TO BE FROM SAME DYE LOT OR PRODUCTION RUN AS INSTALLED MATERIALS.

PART 2 - PRODUCTS

1.0 MATERIALS

1. CARPET TILE.

- .1 AS SPECIFIED ON DRAWINGS FOR CPT-1
.2 ADDITIONAL 3 BOXES TO BE SUPPLIED FOR FUTURE USE OF MAIN CARPET TILE CPT-1. LABEL BOXES ACCORDINGLY.

2.0 ACCESSORIES

- 1. SUB-FLOOR FILLER, LEVELER AND SEALER: AS RECOMMENDED BY CARPET TILE MANUFACTURER FOR USE WITH THEIR PRODUCT.
2. CARPET TILE ADHESIVE AS RECOMMENDED BY CARPET TILE MANUFACTURER FOR USE WITH THEIR PRODUCT. CONDUCTIVE RELEASABLE ADHESIVE AS RECOMMENDED BY CARPET MANUFACTURER.
3. PRIMERS AND ADHESIVES: LOW VOC CONTENT, QUICK RELEASE, WATER-RESISTANT, MILDEW-RESISTANT, NON-STAINING TYPE RECOMMENDED BY CARPET TILE MANUFACTURER FOR USE WITH THEIR PRODUCT ON APPLICABLE SUBSTRATES.

PART 3 - EXECUTION

1.0 EXAMINATION

- 1. WHERE PRIMERS/SEALERS ARE USED, THEIR COMPATIBILITY WITH ADHESIVE SHALL BE VERIFIED PRIOR TO STARTING WORK.
2. NOTIFY CONSULTANT IN WRITING OF ANY ADVERSE FLOOR CONDITIONS PRIOR TO START OF WORK. DO NOT PROCEED UNTIL DEFECTS ARE CORRECTED.

2.0 PREPARATION

- 1. SUB-FLOOR PREPARATION IS TO INCLUDE ALL REQUIRED WORK TO PREPARE FLOOR FOR INSTALLATION OF PRODUCTS SPECIFIED IN THIS SECTION AND MEET ALL CONDITIONS AS SPECIFIED IN MANUFACTURER'S CURRENT PRINTED SUBFLOOR PREPARATION GUIDELINES.
2. MATERIALS USED IN SUB-FLOOR PREPARATION AND REPAIR TO BE AS RECOMMENDED BY CARPET TILE MANUFACTURER AND CHEMICALLY AND PHYSICALLY COMPATIBLE WITH CARPET TILE FLOORING PRODUCT.
3. FLOOR PREPARATION FOR NEW CARPET TILE FLOORING INSTALLATION OVER EXISTING RESILIENT FLOORING ADHESIVE OR CARPET ADHESIVE.

- .1 CONCRETE SURFACES MUST BE CLEAN AND SOUND IN ACCORDANCE WITH ASTM D4258 AND ASTM D4259. PREPARE ENTIRE FLOOR SURFACES BY MECHANICAL MEANS INCLUDING STEEL SHOT BLASTING (BLASTRAC) IN ACCORDANCE WITH RESILIENT FLOORING MANUFACTURER'S INSTRUCTIONS TO REMOVE BOND INHIBITING MATERIALS SUCH AS CURING COMPOUNDS, PREVIOUS COATINGS, ADHESIVES, OR LAITANCE (USED WITH EXISTING FLOORING INSTALLATION), OR LOOSE PARTICLES WHICH MAY PREVENT OR REDUCE BOND. VACUUM DUST, DIRT AND CONTAMINANTS FOLLOWING PREPARATION PROCEDURES.

- 4. FLOORS TO BE CLEAN, DRY, SMOOTH LEVEL, STRUCTURALLY SOUND AND FREE FROM MOISTURE, ALKALI DUST, SOLVENTS, PAINT, WAX, OIL, GREASE, ASPHALT ADHESIVE, SEALING COMPOUNDS AND OTHER CONTAMINANTS.
5. REMOVE SUB-FLOOR RIDGES AND BUMPS THAT WOULD TRANSMIT THROUGH FLOORING MATERIALS AND AFFECT INSTALLATION AS NEEDED.
6. FILL LOW SPOTS, CRACKS, JOINTS, HOLES AND OTHER DEFECTS ON ACCESS FLOOR PANELS WITH SUB-FLOOR FILLER APPROVED BY CARPET TILE MANUFACTURER, PRIOR TO COMMENCEMENT OF INSTALLATION OF FLOORING MATERIALS. THICKNESS OF FILLER TO ENSURE FLAT FLOOR AND THAT INSTALLATION OF CARPET TILE FLOORING AGAINST ADJACENT MATERIALS (LIPPAGE) DOES NOT EXCEED DIFFERENCE OF 1 MM. STEEL TROWEL AND FLOAT TO LEAVE SMOOTH, FLAT, HARD SURFACE. PROHIBIT TRAFFIC UNTIL FILLER IS CURED AND DRY. ENSURE THAT SUB FLOOR FILLER DOES NOT INTERFERE WITH REMOVING ACCESS FLOORING PANELS.
7. VACUUM ALL AREAS TO BE COVERED WITH CARPET TILE FLOORING IMMEDIATELY PRIOR TO SPREADING ADHESIVE.

3.0 INSTALLATION

- 1. INSTALL CARPET TILE IN TILE PATTERN IN DIRECTION REVIEWED WITH CONTRACT ADMINISTRATOR AND IN ACCORDANCE WITH DRAWINGS AND MANUFACTURER'S PRINTED INSTRUCTIONS. USE MATERIAL FROM SAME DYE LOT. INSTALL BY NUMBER SEQUENCE AS INDICATED ON THE BOX.
2. APPLY FLOOR ADHESIVE UNIFORMLY TO SUBSTRATE AND/ OR MANUFACTURER'S INSTALLATION TAPE AND INSTALL CARPET TILES WITH JOINTS PARALLEL TO BUILDING LINES. BORDER TILES MINIMUM HALF TILE WIDTH. SET TILES SQUARE TO EACH OTHER WITH ALL JOINTS ALIGNED AND ABUTTED.
3. INSTALL EDGE AND TRANSITION STRIPS WHEREVER CARPET TILE ABUTS OTHER FINISHES, UNLESS OTHERWISE INDICATED.
4. USE RECOMMENDED MANUFACTURERS ADHESIVE - SHAW 5100 CARPET TILE ADHESIVE; ACRYLIC BASED PRESSURE SENSITIVE ADHESIVE.
5. FINISH INSTALLATION TO PRESENT SMOOTH WEARING SURFACE FREE OF BUBBLES, PLUCKERS, AND CONSPICUOUS SEAMS, BURRING AND OTHER FAULTS.

4.0 CLEANING

- 1. REMOVE EXCESS ADHESIVE FROM FLOOR AND WALL SURFACES WITHOUT DAMAGE.
2. VACUUM CARPETS CLEAN IMMEDIATELY AFTER COMPLETION OF INSTALLATION.

5.0 PROTECTION

- 1. PROHIBIT TRAFFIC ON FLOOR FOR 48 HOURS AFTER INSTALLATION, OR ACCORDING TO MANUFACTURER'S INSTRUCTIONS. THEREAFTER PROTECT NEW FLOORS FROM DAMAGE DURING FINAL STAGES OF CONSTRUCTION UNTIL SUBSTANTIAL COMPLETION OF PROJECT.

NOTES:

THESE DRAWINGS SHALL NOT BE SCALED.

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, MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN IN PROVIDED DRAWINGS.

ALL OPENINGS THROUGH FIRE ASSEMBLIES ARE TO BE FIRE STOPPED AND SEALED WITH ULIC 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.

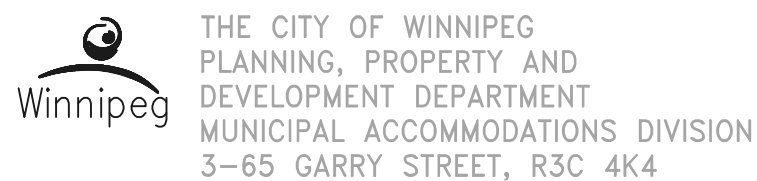
THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING THE PART OF THE RENOVATION WORK.

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.

Table with 3 columns: No., REVISION/DESCRIPTION, BY, DATE. Row 1: 2, ADDENDUM # 3, MAR. 24 2021. Row 2: 1, ISSUED FOR CONSTRUCTION, MAR. 1 2020.

Approval table with columns: DRAWN, CHECKED, DESIGNED, APPROVED. Includes date 2021.03.01 and user approval.



PROJECT PUBLIC WORKS DEPARTMENT SECURITY AND ACCESSIBILITY UPGRADES

1155 PACIFIC AVENUE, WINNIPEG, MB. TENDER # 139-2021

SHEET TITLE SPECIFICATIONS

Table with 3 columns: SCALE, PROJECT No., SHEET No. Values: 1/4"=1'-0", 2019-032, A4.0R1