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SECTION 09 65 00 RESILIENT FLOORING

PART 2 - PRODUCTS

1.0 - MATERIALS

- 1. RUBBER BASE AS SPECIFIED
2. RUBBER TILE FLOORING AS SPECIFIED
3. VINYL COMPOSITE TILE AS SPECIFIED

2.0 - ACCESSORIES

- .1 WELDING RODS: MANUFACTURER'S STANDARD, MULTI-COLOURS AND PATTERNS TO MATCH RESILIENT SHEET FLOORING UNLESS OTHERWISE INDICATED.
.2 PRIMERS AND ADHESIVES: WATER-RESISTANT TYPE RECOMMENDED BY RESILIENT FLOORING AND VINYL COMPOSITE TILE MANUFACTURER FOR USE WITH THEIR PRODUCT ON APPLICABLE SUBSTRATES.
.3 SUB-FLOOR FILLER AND LEVELER: AS RECOMMENDED BY FLOORING MANUFACTURER FOR USE WITH THEIR PRODUCT.
3.0 - COLOURS REFER TO DRAWINGS AND SPECIFICATIONS ON PAGE A1.5

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.
2 RUBBER TILE FLOORING (RT) AND VINYL COMPOSITE TILE (VCT) FLOORING.
.1 INSTALL RUBBER TILE FLOORING IN ACCORDANCE WITH MANUFACTURER'S CURRENT PRINTED INSTALLATION MANUAL OR GUIDELINES.
.2 INSTALL VINYL COMPOSITE TILE FLOORING IN ACCORDANCE WITH MANUFACTURER'S CURRENT PRINTED INSTALLATION MANUAL OR GUIDELINES.
.3 APPLY ADHESIVE UNIFORMLY USING RECOMMENDED TROWEL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. DO NOT SPREAD MORE ADHESIVE THAN CAN BE COVERED BEFORE INITIAL SET TAKES PLACE. IF ADHESIVE OVER DRIES, REMOVE AND RE-COAT
.4 AS INSTALLATION PROGRESSES, ROLL FLOORING WITH 45 KG ROLLER TO ENSURE FULL AND CONSISTENT ADHESION. ROLL-OUT ADHESIVE RIDGES (TROWEL MARKS), AND ELIMINATE TRAPPED AIR POCKETS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
.5 SCRIBE AND FIT TIGHTLY TO DOOR FRAMES. SEAL AT EDGE OF DOOR FRAMES WITH SMALL, NEAT, CONTINUOUS BEAD OF CAULKING. CUT FLOORING AND FIT NEATLY AROUND FIXED OBJECTS.
.6 TERMINATE FLOORING AT CENTERLINE OF DOOR IN OPENINGS WHERE ADJACENT FLOOR FINISH OR COLOUR IS DISSIMILAR.
.7 INSTALL EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES WHERE FLOORING TERMINATES OR ABUTS ANOTHER FLOORING
.8 CONTINUE FLOORING OVER AREAS WHICH WILL BE UNDER BUILT-IN FURNITURE, CABINETS, EQUIPMENT, LOCKERS, ETC.
.9 INSTALL FLOORING INTO FLOOR DRAIN COLLAR. INSTALL FASTENING CLAMP AND STRAINER.
.10 AFTER INSTALLING, ALLOW SETTING TIME OF 48 HOURS BEFORE CLEANING. INITIAL CLEANING AND PREPARATION IN ACCORDANCE WITH MANUFACTURER'S MAINTENANCE INSTRUCTIONS.

4.0 FIELD QUALITY CONTROL

- 1. INSTRUCT FLOORING MANUFACTURER REPRESENTATIVE TO VISIT SITE AT COMMENCEMENT OF WORK AS WELL AS PERIODICALLY THROUGHOUT DURATION OF WORK TO CONFIRM THAT CONDITIONS ARE ACCEPTABLE FOR PRODUCT INSTALLATION AND THAT PROPER PROCEDURES ARE FOLLOWED.

5.0 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.

6.0 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.

7.0 SCHEDULES

- 1. REFER TO DRAWINGS A1.4, AND A1.5

SECTION 09 68 13 CARPET TILE

PART 1 - GENERAL

1.0 REFERENCES

- 1. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
.1 ASTM D4258-05(2012), STANDARD PRACTICE FOR SURFACE CLEANING CONCRETE FOR COATING.
.2 ASTM D4259-88(2012), STANDARD PRACTICE FOR ABRADING CONCRETE
.3 ASTM E84-13A, STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.
.4 ASTM E662-09, STANDARD TEST METHOD FOR SPECIFIC OPTICAL DENSITY OF SMOKE GENERATED BY SOLID MATERIALS.
.5 ASTM F1869-11, STANDARD TEST METHOD FOR MEASURING MOISTURE VAPOR EMISSION RATE OF CONCRETE SUBFLOOR USING ANHYDROUS CALCIUM CHLORIDE.
2. 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 ASSEMBLIES.
.3 CANULC S102.2-10, STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF FLOORING, FLOOR COVERINGS, AND MISCELLANEOUS MATERIALS AND ASSEMBLIES.
3. AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS (AATCC).
.1 AATCC TEST METHOD 134-2006, ELECTROSTATIC PROPENSITY OF CARPETS.

2.0 SUBMITTALS

- 1. PRODUCT DATA.
.1 SUBMIT PRODUCT DATA IN ACCORDANCE WITH SECTION 01 33 00.
.2 SUBMIT PRODUCT DATA SHEET FOR CARPET TILE, ADHESIVE, AND SUBFLOOR FILLER.
2. CLOSEOUT SUBMITTALS.
.1 SUBMIT OPERATION AND MAINTENANCE DATA FOR INCORPORATION INTO MAINTENANCE AND WARRANTY MANUAL SPECIFIED IN N.M.S SECTION 01 78 00.

3.0 QUALITY ASSURANCE

- 1. QUALIFICATIONS.
.1 SKILLED TRADESMAN 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.

SECTION 09 68 13 CARPET TILE cont.

2. FIELD TESTING.

- .1 PERFORM MOISTURE AND ALKALINITY TESTS PRIOR TO CARPET TILE 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.
3. MOCK-UPS.
.1 CONSTRUCT MOCK-UPS IN ACCORDANCE WITH SECTION 01 45 00.
.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 AND WASTE MANAGEMENT IN ACCORDANCE WITH N.M.S. SECTION 01 74 00.

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 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 AN EXTENDED 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. COMPLY WITH REQUIREMENTS OF SECTION 01 78 00.
2. PROVIDE MAINTENANCE MATERIALS AS FOLLOWS:
.1 CARPET TILE: 5% OF THE FLOOR AREA FOR EACH 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 AND 3 BOXES OF TARKETT TAPE.
3. 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, CPT-2, CPT-3 AND CPT-4.
.2 ADDITIONAL 5% TO BE SUPPLIED FOR FUTURE USE OF MAIN CARPET TILE CPT-1; 1 BOX OF EACH ACCENT COLOR SPECIFIED.

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 TAPE AS RECOMMENDED BY CARPET TILE MANUFACTURER FOR USE WITH THEIR PRODUCT.
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 AND ACCESS FLOOR.

PART 3 - EXECUTION

1.0 EXAMINATION

- 1. SMOOTH, DENSE CONCRETE FINISH, HIGHLY COMPACTED WITH A TOLERANCE OF 3 MM IN 3 M RADIUS TO BE OBSERVED PRIOR TO INSTALLATION OF RESILIENT FLOORING.
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, OR EXISTING BLACK EMULSION (ASPHALT) VINYL TILE ADHESIVE AS FOLLOWS:
.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.
6. FILL LOW SPOTS, CRACKS, JOINTS, HOLES AND OTHER DEFECTS 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.
7. VACUUM ALL AREAS TO BE COVERED WITH CARPET TILE FLOORING IMMEDIATELY PRIOR TO SPREADING ADHESIVE.
8. PRIME CONCRETE AS REQUIRED TO CARPET TILE FLOORING MANUFACTURER'S PRINTED INSTRUCTIONS.

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.
2. APPLY RELEASE TYPE ADHESIVE 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. FINISH INSTALLATION TO PRESENT SMOOTH WEARING SURFACE FREE OF BUBBLES, PUCKERS, 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.

SECTION 09 91 10 PAINTING

PART 1 - GENERAL

1.0 REFERENCES

- 1. ARCHITECTURAL PAINTING SPECIFICATIONS MANUAL, MASTER PAINTERS INSTITUTE (MPI)
2.0 SAMPLES.
1. SUBMIT SAMPLES IN ACCORDANCE WITH SECTION 01 33 00 - SUBMITTAL PROCEDURES
2. SUBMIT SAMPLES IN DUPLICATE OF EACH COLOUR SELECTED IN 300MM X 300MM SIZES

3.0 QUALITY ASSURANCE.

- 1. DO NOT APPLY PAINT FINISH IN AREAS WHERE DUST IS BEING GENERATED.
2. THE PAINTING SUB-CONTRACTOR SHALL HAVE A MINIMUM OF FIVE (5) YEARS PROVEN SATISFACTORY EXPERIENCE AND SHALL SHOW PROOF BEFORE COMMENCEMENT OF WORK THAT HE WILL MAINTAIN A QUALIFIED CREW OF PAINTERS THROUGHOUT THE DURATION OF THE WORK. WHEN REQUESTED, THE PAINTING SUB-CONTRACTOR SHALL PROVIDE A LIST OF THE LAST THREE COMPARABLE JOBS INCLUDING NAME AND LOCATION, SPECIFYING AUTHORITY/PROJECT MANAGER, START/COMPLETION DATES AND VALUE OF THE PAINTING WORK.
3. ONLY QUALIFIED PERSONS, AS DEFINED BY LOCAL JURISDICTION SHALL BE ENGAGED IN PAINTING AND DECORATING WORK.
4. ALL MATERIALS, PREPARATION AND WORKMANSHIP SHALL CONFORM TO REQUIREMENTS OF THE LATEST EDITION OF THE ARCHITECTURAL PAINTING SPECIFICATION MANUAL BY MASTER PAINTERS INSTITUTE (MPI)-HEREAFTER REFERRED TO AS THE MPI PAINTING MANUAL- AS ISSUED BY THE LOCAL MPI ACCREDITED QUALITY ASSURANCE ASSOCIATION HAVING JURISDICTION.
5. ALL PAINT MANUFACTURERS AND PRODUCTS USED SHALL BE AS LISTED UNDER THE APPROVED PRODUCT LIST SECTION OF THE MPI PAINTING MANUAL

3.0 MAINTENANCE MATERIALS.

- 1. AT PROJECT COMPLETION, PROVIDE 5 GALLONS OF EACH TYPE AND COLOUR OF PAINT FROM THE SAME PRODUCTION RUN (BATCH MIX) IN UNOPENED CANS, PROPERLY LABELLED AND IDENTIFIED FOR LATER USE IN MAINTENANCE.

4.0 GUARANTEE

- 1. FURNISH EITHER THE LOCAL MPI ACCREDITED QUALITY ASSURANCE ASSOCIATION'S TWO (2) YEAR GUARANTEE, OR ALTERNATIVELY, A 100% TWO (2) YEAR MAINTENANCE BOND-BOTH IN ACCORDANCE WITH MPI PAINTING MANUAL REQUIREMENTS. THE MAINTENANCE BOND SHALL WARRANT THAT ALL PAINTING WORK HAS BEEN PERFORMED IN ACCORDANCE WITH MPI PAINTING MANUAL REQUIREMENTS.

PART 2 - PRODUCTS

1.0 MATERIALS

- 1. PAINT MATERIALS: ONLY MATERIALS LISTED IN THE LATEST EDITION OF THE MPI APPROVED PRODUCT LIST (APL) ARE ACCEPTABLE FOR USE ON THIS PROJECT. ALL SUCH MATERIAL SHALL BE A SINGLE MANUFACTURER FOR EACH SYSTEM USED OR APPROVED ALTERNATES IN ACCORDANCE WITH B7.
2. ACCEPTABLE PRODUCTS
.1 BENJAMIN MOORE: REGAL
.2 ICI DULUX: GLIDDEN ULTRA
.3 ODYSSEY SNAP: DRY ERASE COATING

- 3. OTHER MATERIAL SUCH AS LINSEED OIL, SHELLAC, THINNERS, SOLVENTS, ETC. SHALL BE THE HIGHEST QUALITY PRODUCT OF AN MPI LISTED MANUFACTURER AND SHALL BE COMPATIBLE WITH PAINT MATERIALS BEING USED AS REQUIRED.
4. ALL MATERIALS USED SHALL BE LEAD AND MERCURY FREE AND SHALL HAVE LOW VOC CONTENT WHERE POSSIBLE.
5. ALL PAINT MATERIALS USED SHALL HAVE GOOD FLOWING AND BRUSHING PROPERTIES AND SHALL DRY OR CURE FREE OF BLEMISHES, SAGS, AIR ENTRAPMENT ETC.
6. WHERE REQUIRED, PAINTS AND COATINGS SHALL MEET FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS DESIGNATED BY LOCAL CODE REQUIREMENTS AND/OR AUTHORITIES HAVING JURISDICTION.
7. UNLESS OTHERWISE SPECIFIED HEREIN, ALL PAINTING WORK SHALL BE IN ACCORDANCE WITH MPI PREMIUM GRADE FINISH REQUIREMENTS.
8. COLOURS SHALL BE AS SELECTED BY THE CONTRACT ADMINISTRATOR FROM A MANUFACTURER'S FULL RANGE OF COLOUR. REFER TO FINISH SCHEDULES AND DRAWINGS FOR IDENTIFICATION AND LOCATION OF COLOURS.

PART 3 - EXECUTION

1.0 CONDITION OF SURFACES

- 1. PRIOR TO COMMENCEMENT OF THE WORK IN THIS SECTION, THOROUGHLY EXAMINE (AND TEST AS REQUIRED) ALL CONDITIONS AND SURFACES SCHEDULED TO BE PAINTED AND REPORT IN WRITING TO THE CONTRACTOR AND THE CONTRACT ADMINISTRATOR ANY CONDITIONS OR SURFACES THAT WILL ADVERSELY AFFECT WORK OF THE SECTION.
2. NO PAINTING WORK SHALL COMMENCE UNTIL ALL SUCH ADVERSE CONDITIONS AND DEFECTS HAVE BEEN CORRECTED AND SURFACES AND CONDITIONS ARE ACCEPTABLE TO THE CONTRACTOR AND THE CONTRACT ADMINISTRATOR.
3. COMMENCEMENT OF THE WORK SHALL NOT BE HELD TO IMPLY ACCEPTANCE OF SURFACES EXCEPT AS QUALIFIED HEREIN. SUCH SURFACES AS CONCRETE, MASONRY, STRUCTURAL STEEL AND MISCELLANEOUS METAL, WOOD, GYPSUM BOARD, AND PLASTER, SHALL NOT BE THE RESPONSIBILITY OF THE PAINTING SUB-CONTRACTOR.
4. THE PAINTING SUB-CONTRACTOR SHALL NOT BE RESPONSIBLE FOR THE CONDITION OF THE SUBSTRATE OR FOR CORRECTING DEFECTS AND DEFICIENCIES IN THE SUBSTRATE, WHICH MAY ADVERSELY AFFECT THE PAINTING WORK EXCEPT FOR MINIMAL WORK, NORMALLY PERFORMED BY THE PAINTING SUB-TRADE AND AS INDICATED HEREIN. IT SHALL ALWAYS, HOWEVER, BE THE RESPONSIBILITY OF THE PAINTING SUB-TRADE TO SEE THAT SURFACES ARE PROPERLY PREPARED BEFORE ANY PAINT OR COATING IS APPLIED.

2.0 PREPARATION OF SURFACES

- 1. PREPARE ALL SURFACES IN ACCORDANCE WITH MPI REQUIREMENTS. REFER TO THE MPI PAINTING MANUAL IN REGARD TO SPECIFIC REQUIREMENTS.
2. SAND, CLEAN, DRY, ETCH, NEUTRALIZE AND/OR TEST ALL SURFACES UNDER ADEQUATE ILLUMINATION, VENTILATION AND TEMPERATURE REQUIREMENTS.
3. REMOVE AND SECURELY STORE ALL MISCELLANEOUS HARDWARE AND SURFACE FITTINGS/FASTENINGS (E.G. ELECTRICAL PLATES, MECHANICAL LOUVERS, DOOR AND WINDOW HARDWARE (HINGES, KNOBS, LOCKS, TRIM, FRAME STOPS) REMOVABLE RATING/HAZARD INSTRUCTION LABELS, WASHROOM ACCESSORIES, LIGHT FIXTURE TRIM, ETC.), FROM WALL AND CEILING SURFACES, DOORS AND FRAMES, PRIOR TO PAINTING. CAREFULLY CLEAN AND REPLACE ALL SUCH ITEMS UPON COMPLETION OF PAINTING WORK IN EACH AREA. DO NOT USE SOLVENT OR REACTIVE CLEANING AGENTS ON ITEMS THAT WILL MAR OR REMOVE FINISHES (E.G. LACQUER FINISHES). DOORS SHALL BE REMOVED BEFORE PAINTING TO PAINT BOTTOM AND TOP EDGES, AND THEN RE-HUNG.
4. PROTECT ALL ADJACENT INTERIOR SURFACES AND AREAS, INCLUDING RATING AND INSTRUCTION LABELS ON DOORS, FRAMES, EQUIPMENT, PIPING, ETC., FROM PAINTING OPERATIONS AND DAMAGE BY DROP CLOTHS, SHIELDS, MASKING, TEMPLATES, OR OTHER SUITABLE PROTECTIVE MEANS AND MAKE GOOD ANY DAMAGE CAUSED BY FAILURE TO PROVIDE SUCH PROTECTION.
5. SUBSTRATE DEFECTS SHALL BE MADE GOOD AND SANDED BY OTHERS READY FOR PAINTING, PARTICULARLY AFTER THE FIRST COAT OF PAINT. START OF FINISH PAINTING OF DEFECTIVE SURFACES (E.G. GYPSUM BOARD) SHALL INDICATE ACCEPTANCE OF THE SUBSTRATE AND ANY COSTS OF MAKING GOOD DEFECTS SHALL BE BORNE BY THE PAINTER, INCLUDING REPAINTING OF ENTIRE SURFACE (NO TOUCH-UP PAINTING).
6. CONFIRM PREPARATION AND PRIMER USED WITH FABRICATOR OF STEEL ITEMS. REFER TO QUALITY ASSURANCE.

3.0 APPLICATION

- 1. DO NOT PAINT UNLESS SUBSTRATES ARE ACCEPTABLE AND/OR UNTIL ALL ENVIRONMENTAL CONDITIONS (HEATING, VENTILATION, LIGHTING AND COMPLETION OF OTHER SUB TRADE WORK) ARE ACCEPTABLE FOR APPLICATIONS OF PRODUCTS.
2. APPLY PAINT OR STAIN IN ACCORDANCE WITH MPI PAINTING MANUAL PREMIUM GRADE FINISH REQUIREMENTS.
3. APPLY PAINT AND DECORATING MATERIAL IN A WORKMANLIKE MANNER USING SKILLED AND TRADE QUALIFIED APPLICATORS AS NOTED UNDER QUALITY ASSURANCE.
4. APPLY PAINT AND COATINGS WITHIN AN APPROPRIATE TIME FRAME AFTER CLEANING WHEN ENVIRONMENTAL CONDITIONS ENCOURAGE FLASHING-RUSTING, RUSTING, CONTAMINATION OR THE MANUFACTURER'S PAINT SPECIFICATIONS REQUIRE EARLIER APPLICATIONS.
5. PAINTING COATS SPECIFIED ARE INTENDED TO COVER SURFACES SATISFACTORILY WHEN APPLIED AT PROPER CONSISTENCY AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
6. TINT EACH COAT OF PAINT PROGRESSIVELY LIGHTER TO ENABLE CONFIRMATION OF NUMBER OF COATS.
7. UNLESS OTHERWISE APPROVED BY THE CONTRACT ADMINISTRATOR, APPLY A MINIMUM OF FOUR COATS OF PAINT WHERE DEEP OR BRIGHT COLOURS ARE USED TO ACHIEVE SATISFACTORY RESULTS.
8. SAND AND DUST BETWEEN EACH COAT TO PROVIDE AN ANCHOR FOR NEXT COAT AND TO REMOVE DEFECTS VISIBLE FROM A DISTANCE UP TO 1000 MM (39").
9. DO NOT APPLY FINISHES ON SURFACES THAT ARE NOT SUFFICIENTLY DRY. UNLESS MANUFACTURER'S DIRECTIONS STATE OTHERWISE, EACH COAT SHALL BE SUFFICIENTLY DRY AND HARD BEFORE A FOLLOWING COAT IS APPLIED.
10. PRIME COAT OF STAIN OR VARNISH FINISHES MAY BE REDUCED IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.
11. PAINT FINISH SHALL CONTINUE THROUGH BEHIND ALL WALL-MOUNTED ITEMS (E.G. WHITEBOARDS AND TACK BOARDS).

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 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 U.L.C. 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/MATMGTCEN\_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, KJN, SEPT. 24 2018. Row 00: ISSUED FOR 60% CLIENT REVIEW, KJN, AUG. 17 2018.

SEAL

Professional seal of R.K. FOK, Registered Architect, Province of Manitoba.

Table with 4 columns: DRAWN, CHECKED, DESIGNED, APPROVED. Date: 2018.09.24. 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

Table with 3 columns: SCALE, PROJECT No.: 2018-010, SHEET No.: A4.2