

<p><b>DIVISION ONE – GENERAL REQUIREMENTS</b></p> <ol style="list-style-type: none"> <li>GENERAL CONDITIONS SHALL BE AS SET FORTH IN A DOCUMENT NOT STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR. LATEST EDITION, ARTICLES 7 THROUGH 24, AND SHALL GOVERN WORK UNDER THE CONTRACT AS IF REPRODUCED IN FULL.</li> <li>CONTRACTOR AT THE PRECTION OF THE OWNER SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS, AND PAY ALL APPLICABLE FEES.</li> <li>WORK SHALL COMPLY TO APPLICABLE STATE AND LOCAL BUILDING AND FIRE CODES AND REQUIREMENTS OF UTILITIES AND AUTHORITIES HAVING JURISDICTION.</li> <li>REMOVE TEMPORARY UTILITIES, CLEARINGS, PARKWAYS, STORMS AND PROTECTION REQUIRED.</li> <li>REMOVE CERTIFICATES FOR WORKMENS COMPENSATION, COMPREHENSIVE LIABILITY, PROPERTY DAMAGE, REPAIRS, BLDGERS RISK, AND ADDITIONAL TO LIMITS OF LIABILITY AS REQUIRED BY OWNER.</li> <li>SAFETY MEASURES FOR SPECIFIED ITEMS WILL BE CONSIDERED ONLY FROM WRITTEN REQUEST, WHICH SHALL INCLUDE SPECIFICATIONS, DIMENSIONS, ILLUSTRATIONS OR SAMPLES AND PRICE. NO SUBSTITUTION SHALL BE MADE WITHOUT ARCHITECTS REVIEW AND WRITTEN AUTHORIZATION OF OWNER.</li> <li>REQUIREMENTS</li> <li>1. BENDINGS</li> <li>A. FINISH, GRIPY AND DELIVER TO PROJECT SITE, READY FOR UNLOADING, PACKING, ASSEMBLY, INSTALLATION AND SIMLAR SUBSEQUENT REQUIREMENTS.</li> <li>B. INSTALL OPERATIONS AT PROJECT SITE, INCLUDING UNLOADING, UNPACKING, ASSEMBLY, REACTION, PACKING, MOVING, APPLICATING, WORKING TO DIMENSION, FINISHING, CLEANING, PROTECTING, CLEANING, AND SIMLAR REQUIREMENTS.</li> <li>C. REMOVE FINISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.</li> <li>D. DEMOLITION NOTES.</li> <li>A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FALL PROTECTION THAT PREVENTS FALLS FROM FALLING OFF ROOF AT ALL AREAS REQUIRING DEMOLITION.</li> <li>B. REMOVE SALVAGE AND DEBRIS FROM THE SITE AS IT ACCUMULATES. DO NOT STORE, SELL, BURN OR OTHERWISE DISPOSE OF DEBRIS ON THE SITE EXCEPT AS DIRECTED BY OWNER. REMOVE ALL MATERIALS IN SUCH MANNER AS TO PREVENT SPILLAGE. KEEP ALL PAYMENTS AND AREAS ACCEPTANT TO AND LEAVING FROM THE SITE CLEAN AND FREE OF MUD, DIRT, AND DEBRIS AT ALL TIMES.</li> <li>C. PREPARE DEMOLITION IN SUCH A MANNER AS TO ELIMINATE HAZARDS TO PERSONS AND PROPERTY, AND TO MINIMIZE INTERFERENCE WITH USE OF ADJACENT AREAS, UTILITIES AND STRUCTURES OR INTERUPTION OF USE OF SUCH UTILITIES AND FREE PASSAGE TO AND FROM ADJACENT AREAS OR STRUCTURES.</li> <li>D. EXISTING WORK SHALL BE CUT, ALTERED, REMOVED, TEMPORARILY REMOVED AND REPAIRED OR WORK SHALL BE DEMOLISHED AS REQUIRED BY THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND DEMOLITION SHALL BE RESTORED EQUAL TO ITS CONDITION BEFORE ANY WORK UNDER THE CONTRACT WAS BEGUN.</li> <li>E. WHERE ALTERATION OR DEMOLITION EXPOSED DAMAGED OR UNFINISHED SURFACES OR MATERIALS, SUCH SURFACES OR MATERIALS SHALL BE REFINISHED OR REPAIRED AS NECESSARY TO MAKE EXISTING WORK CONFORM TO THE SPECIFICATIONS. FINISHES AND FINISHES IN THE FINISHED AREAS, THE ENTIRE SURFACE IN WHICH SUCH WORK OCCURS SHALL BE REFINISHED.</li> <li>END OF DIVISION 1</li> </ol> <p><b>DIVISION THREE – CONCRETE RESTORATION</b></p> <p><b>PART 1 – GENERAL</b></p> <ol style="list-style-type: none"> <li>DESCRIPTION</li> <li>A. THE PRINCIPAL ITEMS OF WORK ARE RELATED TO PATCHING OF EXTERIOR CONCRETE SURFACES ON THE PERMET WALLS AND PERFORMING SUCH INCIDENTAL OR OTHER OPERATIONS AS MAY BE NECESSARIED BY THE WORK OR CALLED FOR BY THE DRAWINGS.</li> <li>B. UNIT PRICE QUANTITIES TO BE INCLUDED IN THE BIDDING AMOUNT AS FOLLOWS</li> <li>1. PATCHING 1/2 SQ. FT. TO BE VERIFIED IN FIELD BY CONTRACTOR</li> <li>C. RELATED WORK SPECIFIED ELSEWHERE</li> <li>1. DIVISION 7, JOINT SEALANT</li> <li>2. DIVISION 9, SPECIAL COATINGS</li> <li>12. QUALITY ASSURANCE</li> <li>A. CONTRACTOR MUST HAVE EXPERIENCE WITH SIMLAR RESTORATION THE WORK ON CONCRETE SURFACES</li> <li>1. CONTRACTORS IS TO BE LICENSED BY THE MANUFACTURER OF THE MATERIAL SPECIFIED</li> <li>2. ALL PARTIES AND REPAIRS TO MATCH FINISH AND SURFACE TREATMENT TO THAT OF THE EXISTING SURFACES</li> <li>B. ALL PERSONNEL ENGAGED IN WORK OF THIS SECTION MUST BE QUALIFIED WORKMEN WHO MAY BE ASSIGNED BY ARCHITECTS QUALIFYING FOR THEIR WORKMAN STATUS</li> <li>1. COMMON LABOR MAY BE USED FOR TASKS NOT REQUIRING WORKMAN SKILLS</li> <li>2. THE FOREMAN OF THE CREW MUST HAVE HAD FIVE YEARS OF EXPERIENCE IN SIMLAR WORK</li> <li>C. RESTORER COMPANY MUST HAVE A MINIMUM OF FIVE YEARS DOCUMENTED EXPERIENCE IN RESTORATION WORK</li> <li>D. REFERENCE STANDARDS</li> <li>1. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)</li> <li>13. QUANTITIES</li> <li>A. REMOVE TECHNICAL AND SAFETY DATA SHEETS FOR ALL MATERIALS USED UNDER THIS SECTION</li> <li>1. STORE IN WEATHER PROTECTIVE ENCLLOSURES AND PROTECT AGAINST CONTAMINATION OR DAMAGE FROM EXCESSIVE TEMPERATURE CHANGES OR MOISTURE</li> <li>14. DELIVERY, STORAGE AND HANDLING</li> <li>A. DELIVER AND STORE ALL PACKAGED MATERIALS IN THEIR ORIGINAL UNOPENED CONTAINERS WITH LABELS, INSTRUCTIONS AND LEGIBLE</li> <li>1. STORE IN WEATHER PROTECTIVE ENCLLOSURES AND PROTECT AGAINST CONTAMINATION OR DAMAGE FROM EXCESSIVE TEMPERATURE CHANGES OR MOISTURE</li> <li>15. GUARANTEE</li> <li>A. GUARANTEE ALL WORK AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR TWO (2) YEARS FOLLOWING FINAL ACCEPTANCE OF WORK</li> </ol> <p><b>PART 2 – PRODUCTS</b></p> <ol style="list-style-type: none"> <li>MANUFACTURERS</li> <li>A. BAGE BUILDING SYSTEMS (OR AN APPROVAL EQUIV)</li> <li>PRODUCTS</li> <li>A. ONE-COAT RAPID SETTING POLYURETHANE-BASED GROUT AND ADHESIVE BASED REPAIR MIXTURE FOR CONCRETE SURFACES. IT IS FORMULATED TO REMOVE EXCELLENT RESISTANCE TO WIND BLOWN SAND, POLYMERIZED MOISTURE AND FREEZING/WARM CYCLES</li> <li>1. THIXTRITE RAPID VERTICAL</li> <li>2. YIELD: 04 – 05 FT<sup>3</sup>/50 LB BAG (207 MB/211 BAG). YIELDS ARE APPROXIMATE, DETERMINED ON JOB SITE CONDITIONS</li> </ol>	<ol style="list-style-type: none"> <li>PACKAGING: 40 LB (17 KG) PALS</li> <li>COLOR: DARK GREY</li> <li>SHELF LIFE: 1 YEAR WHEN PROPERLY STORED</li> <li>STORAGE: TRANSPORT AND STORE IN UNOPENED CONTAINERS PROTECTED FROM MOISTURE AND DAMPNESS IN A COOL, DRY AREA BETWEEN 45 AND 90 DEGREES F (7 &amp; 31 DEGREES C)</li> <li>WATER SHALL BE CLEAN AND FREE OF DETERIOROUS AMOUNTS OF ACIDS, ALKALIES, OR ORGANIC COMPOUNDS AND FIT TO DRINK AT THE TIME OF USE</li> </ol> <p><b>PART 3 – EXECUTION</b></p> <ol style="list-style-type: none"> <li>SEQUENCING</li> <li>A. SURFACE CLEANING PRIOR TO COMPLETION OF ANY REPAIR WORK IS REQUIRED</li> <li>1. CONTRACTOR IS TO VERIFY COMPATIBILITY OF CLEANING MATERIAL WITH PATCHING MATERIALS AND COATINGS PRIOR TO COMPLETION OF ANY WORK</li> <li>B. AREAS TO BE REPAIRED MUST BE CLEAN, STRUCTURALLY SOUND AND FREE OF ALL LOOSE, DIRTY, OILY AND SCALY MATERIALS THAT MAY AFFECT PROPER BONDING</li> <li>C. REPAIR AREAS SHOULD HAVE SMOOTH STRAIGHT EDGES AT A MINIMUM DEPTH OF 1/4" (6MM)</li> <li>D. CLEAN ALL REINFORCING STEEL TO A WHITE METAL FINISH</li> <li>32. MIXING</li> <li>A. ELEVATED MATERIAL AND MIXING WATER TEMPERATURES WILL SHORTEN OPEN TIME. PRECONDITION THIXTRITE RAPID VERTICAL TO 10 TO DEGREES F ± 5 DEGREES (2) DEGREES C ± 3 DEGREES BEFORE MIXING</li> <li>C. MIX ONLY ENOUGH MATERIAL THAT CAN BE PLACED WITHIN 10-15 MINUTES</li> <li>D. ADD 3 QUARTS (281) OF PORTLAND WATER TO A CLEAN CONTAINER. SEPARATELY ADD POWDER WHILE MIXING FULLY UNTIL MIXTURE IS A WORKABLE, LUMP FREE CONSISTENT. MECHANICALLY MIX WITH LOW SPEED MIX FOR 2-3 MINUTES DO NOT OVERMIX. ADD UP TO 1/2 PINT (234) OF PORTABLE WATER ONLY IF NEEDED FOR WORKABILITY. DO NOT EXCEED 29 QUARTS (31) PER 40 LB (17 KG) PAL</li> <li>E. MAXIMUM SINGLE LIFT RECOMMENDATION IS 1" (25MM) MINIMUM PLACEMENT IS 1/8" (3MM)</li> <li>33. PATCHING</li> <li>A. AT LOCATIONS REQUIRING REPAIR OR PATCHING, PREPARE THE SURFACE BY CLEANING AND CUTTING BACK TO SOUND MATERIAL</li> <li>B. GENERAL AREAS OF REPAIR OR PATCHING WILL BE DETERMINED IN THE FIELD. FINAL DETERMINATION REQUIRING REPAIR OR PATCHING WILL BE AS DIRECTED OR DETERMINED BY THE ARCHITECT</li> <li>C. REMOVE THE SURFACETOP TO A SANDPAPER – 100 (60) GRAIN. REMOVE EXCESS WATER FROM THE SURFACE BEFORE APPLYING THE SCRAPE COAT</li> <li>D. AS A SCRAPE COAT, APPLY THE FRESH MIXTURE BY BRUSH TO THE PROPERLY PREPARED PREVENTED SUBSTRATE. VIGOROUSLY SCRAPE IT INTO THE EXPOSED SURFACE. DO NOT ALLOW THE SCRAPE COAT TO DRY FROM TO EXPOSURE OF THE BRUSH MIX. IF THE SCRAPE COAT DRIES OUT BEFORE THE WET WORK CAN BE PLACED, IT MUST BE REMOVED AS IF IT WERE LINTANCE</li> <li>E. IMMEDIATELY REMOVE EXCESS FRESH MIXTURE TO THE WET BRUSH COAT USING BRUSH TRAVEL. REPRESSURE COMPLETELY FILL ALL Voids AROUND STEEL REINFORCEMENT</li> <li>F. USE A WET SPONGE FLOAT FOR FINAL FINISHING</li> <li>G. IN NORMAL CONDITIONS, KEEP PATCH MOIST BY WATER MIST OR FOG SPRAY UNTIL FINAL SET. REFER TO ASTM SPECIFICATION FOR CURING CONCRETE. IN HOT, DRY, WINDY CONDITIONS, LONGER PERIODS OF MOIST CURING MAY BE NECESSARY, OR USE AN ASTM C 593 COMPLIANT CURING COMPOUND</li> <li>34. WEATHER PROTECTION</li> <li>A. ALL WORK SHALL BE COVERED AND PROTECTED FROM WATER ENTRY AT THE END OF EACH DAY'S WORK</li> <li>B. ALL UNCOMPLETED WORK SHALL BE PROTECTED BY WATERPROOF COVERING AT NIGHT AND AT ANY TIME WHEN LARGE RAIN STORMS AND FREEZING</li> <li>C. CLEAN TOOLS AND EQUIPMENT IMMEDIATELY WITH WATER. DRIED MATERIAL MUST BE REMOVED BY MECHANICAL MEANS ONLY</li> <li>END OF DIVISION 3</li> </ol> <p><b>DIVISION SEVEN – JOINT SEALANT</b></p> <p><b>PART 1 – GENERAL</b></p> <ol style="list-style-type: none"> <li>DESCRIPTION</li> <li>A. THE WORK GENERALLY INCLUDES CLEANING OUT OF EXISTING CONTROL JOINTS IN CONCRETE SURFACES AND SUCH OTHER WORK AS MAY BE NECESSARIED BY THESE OPERATIONS</li> <li>B. RELATED WORK SPECIFIED ELSEWHERE</li> <li>1. DIVISION 3, CONCRETE RESTORATION</li> <li>2. DIVISION 9, SPECIAL COATINGS</li> <li>12. QUALITY ASSURANCE</li> <li>A. SMI (SEALING AND WATERPROOFERS INSTITUTE) – SEALANT AND CURING GEL SPECIFICATIONS</li> <li>B. FS 11-5-00645 – SEALING COMPOUND, SILICONE RUBBER BASE</li> <li>13. DELIVERY, STORAGE AND HANDLING</li> <li>A. DELIVER IN MANUFACTURERS ORIGINAL UNOPENED CONTAINERS WITH LABELS, INSTRUCTIONS AND LEGIBLE</li> <li>B. ALL MATERIALS SHALL BE CAREFULLY HANDLED AND STORED TO PREVENT THE INTRUSION OF FOREIGN MATERIALS OR EXPOSURE TO TEMPERATURES EXCEEDING 99 DEGREES F (35 DEGREES C)</li> <li>14. JOB CONDITIONS</li> <li>A. JOINTS SHALL BE PREPARED AS RECOMMENDED BY THE MANUFACTURER OF THE MATERIALS BEING USED</li> <li>B. SURFACES TO WHICH SEALANT IS TO BE APPLIED SHALL BE DRY, FREE FROM OIL, OL, GREASE, LOOSE PARTICLES OR OTHER DETERIOROUS MATERIALS WHICH WOULD REDUCE ADHESION</li> <li>C. FOLLOW MANUFACTURERS RECOMMENDATIONS CONCERNING WEATHER LIMITATIONS</li> <li>15. GUARANTEE</li> <li>A. GUARANTEE ALL WORK AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR TWO (2) YEARS FOLLOWING FINAL ACCEPTANCE OF WORK</li> </ol> <p><b>PART 2 – PRODUCTS</b></p> <ol style="list-style-type: none"> <li>PACKER ROD</li> <li>A. PACK ROD FOR JOINTS SHALL BE CURED CELL POLYETHYLENE FOAM ROD OR OPEN CELL POLYURETHANE FOAM ROD SIZED TO FIT JOINT WIDTH</li> <li>SEALANT</li> <li>A. ONE-PART SILICONE HIGH-PERFORMANCE GROUTING AND WEATHERPROOFING SEALANT/ADHESIVE. NON-SHEDDING, NON-BLEEDING, COLOR TO MATCH SURROUNDING SURFACES</li> </ol>	<ol style="list-style-type: none"> <li>MANUFACTURER: DOW CORNING #795</li> <li>ACCESSORIES</li> <li>1. PRIMER: NON-STAINING TYPE AS RECOMMENDED BY SEALANT MANUFACTURER TO SUI APPLICATION</li> <li>2. JOINT CLEANER: NON-CORROSIVE AND NON-STAINING TYPE, RECOMMENDED BY SEALANT MANUFACTURER, COMPATIBLE WITH JOINT FORMING MATERIALS</li> </ol> <p><b>PART 3 – EXECUTION</b></p> <ol style="list-style-type: none"> <li>PRELIMINARY WORK</li> <li>1. VERIFY THAT WORK OF OTHER TRADES THAT AFFECT THE WORK OF THIS SECTION HAS BEEN COMPLETED</li> <li>2. EXAMINE SURFACES FOR ADEQUATE AND PROPER FOREIGN MATERIALS, MOISTURE, AND WHETHER WOULD PRESENT THE EXECUTION AND QUALITY OF SEALANT APPLICATION</li> <li>E. DO NOT PROCEED WITH THE WORK OF THIS SECTION UNTIL ALL DEFECTS ARE CORRECTED</li> <li>32. SURFACE PREPARATION</li> <li>A. CONCRETE SURFACES TO RECEIVE SEALANT SHALL BE CLEANED BY WIRE BRUSHING TO REMOVE ALL LOOSE PARTICLES, LANTAGE AND LOOSE MATERIAL</li> <li>B. ALL SURFACES TO RECEIVE SEALANT SHALL BE CLEAN, DRY, FREE OF LOOSE MATERIALS, DIRT, DUST, OIL, FROST, OR OILMEN</li> <li>C. REPLACE ENGINE DETERIORATED, DEFECTIVE SEALANT AS DIRECTED OR DETERMINED BY THE ARCHITECT</li> <li>33. PACKER ROD INSTALLATION</li> <li>A. INSTALL PACKER ROD AT JOINTS USING A PLANT INSTRUMENT. DO NOT TWIST OR RATTLE THE PACKER ROD AFTER APPLICATION MAY BE COMPLETE</li> <li>B. REMOVE ALL TRACES OF EXISTING SEALANT AND PACKING MATERIAL MUST BE REMOVED TO MINIMUM OF 5/8" DEPTH</li> <li>34. CLEAN UP</li> <li>A. MISAPPLIED SEALANT AND PROPPINGS SHALL BE IMMEDIATELY REMOVED BY METHODS AND MATERIALS RECOMMENDED IN WRITING FROM THE MANUFACTURER OF THE SEALANT USED</li> <li>B. AFTER MATERIAL IS APPLIED AND TOLDED, THE CONTRACTOR SHALL REMOVE ALL MARKING AND OTHER PROTECTION AND CLEAN UP ANY REMAINING DETERIMENT CAUSED BY THE SEALANT</li> <li>C. CLEAN TOOLS AND EQUIPMENT IMMEDIATELY WITH WATER. DRIED MATERIAL MUST BE REMOVED BY MECHANICAL MEANS ONLY</li> <li>END OF DIVISION 7</li> </ol> <p><b>DIVISION 9 – SPECIAL COATINGS</b></p> <p><b>PART 1 – GENERAL</b></p> <ol style="list-style-type: none"> <li>DESCRIPTION</li> <li>A. THE WORK GENERALLY INCLUDES THE COATING OF EXISTING EXPOSED CONCRETE SURFACES AND MISCELLANEOUS TOLD UP AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION INCLUDING</li> <li>B. APPLICATION OF HIGH BUILD WATER-BASED, 100% ACRYLIC, WATERPROOF COATING FOR ABOVE GRADE CONCRETE</li> <li>C. RELATED WORK SPECIFIED ELSEWHERE</li> <li>1. DIVISION 3, CONCRETE RESTORATION</li> <li>2. DIVISION 7, JOINT SEALANT</li> <li>D. FINISHES OF CERTAIN SERVICES MAY BE REQUIRED. THE FOLLOWING ARE ACCEPTABLE FOR FINISHING WORK CALLED FOR</li> <li>1. SHERWIN-WILLIAMS ZINC-CLAD 5 ORGANIC ZINC-RICH PRIMER</li> <li>2. BENJAMIN MOORE POLYGLAZ LATEX LOW VAPOR NETAL ENAMEL 399/399</li> <li>3. FRO PITTGBRASH PAINTS EDOXY ZINC RICH PRIMER 91-47L, 91-61Z</li> <li>E. USE QUALIFIED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY ASPECTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK IN THIS SECTION</li> <li>F. MANUFACTURER QUALIFICATIONS</li> <li>1. COMPANY WITH MINIMUM 15 YEARS OF EXPERIENCE IN MANUFACTURING OF SPECIFIED PRODUCTS AND SYSTEMS</li> <li>2. COMPANY SHALL BE ISO 9001/2000 CERTIFIED</li> <li>C. APPLICATION QUALIFICATIONS: COMPANY WITH MINIMUM OF 5 YEARS EXPERIENCE IN APPLICATION OF SPECIFIED PRODUCTS AND SYSTEMS</li> <li>E. SAFETY: HEALTH AND ENVIRONMENTAL RECOMMENDATIONS. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT INCLUDING EVERER WEARING THE MOST CURRENT ANSI Z 87.1 DATA</li> <li>D. PERFORMANCE REQUIREMENTS – THROUGHOUT SMOOTH</li> <li>1. FLEXIBILITY PER ASTM D791, F WAREAGE, NO CRACKING</li> <li>2. WATER-RESISTANT PER ASTM D791, F WAREAGE</li> <li>3. WATER-WORR PERFORMANCE: 3 PASSES PER ASTM D993</li> <li>4. CARBON-HOUDER DEFLECTION PER EN 1061-4</li> <li>5. ALKALI-INDUCED WEATHERING PER ASTM D673</li> <li>6. VIBRAL COLOR CHANGE AT 5000 HOURS, PASSES PER ASTM D703</li> <li>7. CHANGING AT 5000 HOURS, PASSES PER DOT METHOD A &amp; B</li> <li>8. FREEZE/THAW RESISTANCE AT 50 CYCLES, PASSES PER ASTM C671</li> <li>9. DIRT FROM RESISTANCE PER ASTM D791, F WAREAGE</li> <li>10. FINISH RESISTANCE: NO SCOURING PER ASTM D973</li> <li>11. IMPACT RESISTANCE: PER ASTM D791, F WAREAGE</li> <li>12. SURFACE FINISHING CHARACTERISTICS PER ASTM E84</li> <li>13. QUANTITIES</li> <li>A. PRODUCT DATA, MANUFACTURERS SPECIFICATIONS AND OTHER DATA, NEED TO REMOVE CONTAMINATE WITH SPECIFIED REQUIREMENTS, SAFETY DATA SHEETS ON ALL MATERIALS</li> <li>14. DELIVERY, STORAGE AND HANDLING</li> <li>A. TRANSPORT AND STORE IN ORIGINAL UNOPENED UNOPENED CONTAINERS PROTECTED FROM FREEZING. IF PRINCIPALLY FROM PLICE CONTAINERS IN TIGHT AREA AND ALLOW TO WARM UP. DO NOT APPLY HEAT DIRECTLY TO CONTAINERS</li> <li>B. SHELF LIFE OF PRODUCT IS UP TO 12 MONTHS WHEN UNOPENED UNOPENED ORIGINAL SEALED CONTAINERS WHICH HAVE BEEN PROPERLY TRANSPORTED AND STORED</li> </ol>	<ol style="list-style-type: none"> <li>CONTRACTOR IS NOT TO USE ANY MATERIALS FROM DAMAGED OR DEFECTIVE CONTAINERS</li> <li>JOB CONDITIONS</li> <li>A. DO NOT APPLY WHEN THE TEMPERATURE (SUBSTRATE OR AMBIENT) IS 40 DEGREES F OR BELOW, OR IS EXPECTED TO FALL BELOW 40 DEGREES F WITHIN 24 HOURS AFTER APPLICATION, WITHOUT SUPPLEMENTAL HEATING OF COATING</li> <li>B. DO NOT USE AS A GRADE FILLING OR CRACK FILLING COATING</li> <li>C. DO NOT APPLY COATING TO FROZEN OR FROST COVERED SUBSTRATES</li> <li>D. DO NOT APPLY IF THE TEMPERATURE IS WITHIN 5 DEGREES F OF THE AMBIENT DEW POINT</li> <li>E. DO NOT APPLY IF RAIN IS EXPECTED WITHIN 24 HOURS OF APPLICATION</li> <li>F. DO NOT APPLY TO EXISTING COATINGS WHICH ARE NOT COMPATIBLE. VERIFY WITH MANUFACTURER PRIOR TO APPLICATION</li> <li>G. DO NOT APPLY OVER MOIST CRACKS</li> <li>H. SPECIFIC MOISTURE CONTENT SHOULD NOT BE PRESENT WHEN TREATED PER ASTM D4429-99</li> <li>15. GUARANTEE</li> <li>A. CONTRACTOR SHALL GUARANTEE ALL WORK AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF TWO (2) YEARS FOLLOWING FINAL ACCEPTANCE OF WORK</li> </ol> <p><b>PART 2 – PRODUCTS</b></p> <ol style="list-style-type: none"> <li>MANUFACTURERS</li> <li>A. ACRYLIC TEXTURED COATING AS MANUFACTURED BY, OR AN APPROVED EQUIV.</li> <li>BASE BUILDING SYSTEMS</li> <li>PRODUCTS</li> <li>A. WATER-BASED 100% ACRYLIC ELASTOMERIC WATERPROOFING COATING CONSISTING OF WATER, ACRYLIC EMULSION, THINNERS AND OTHER PROPRIETARY INGREDIENTS</li> <li>THROUGHOUT FINE</li> <li>DENSITY: 11) POUNDS PER GALLON (157 KG/L) TO 14) POUNDS PER GALLON (169 KG/L) PER ASTM D996</li> <li>SOLID CONTENTS: PER ASTM D996, 54% BY WEIGHT, 48% BY VOLUME</li> <li>VISCOSITY: 1) IN KU TO 15) KU PER ASTM D996</li> <li>WET CONTENT: 05) LBS PER GALLON (660/L) PER ASTM D996</li> <li>COLOR: TO BE CHOSEN FROM MANUFACTURERS STANDARD COLOR CHART</li> <li>D. TEXTURE: FINE</li> <li>E. PACKAGE: 5 GALLON CONTAINER</li> </ol> <p><b>PART 3 – EXECUTION</b></p> <ol style="list-style-type: none"> <li>SURFACE CONDITIONS</li> <li>A. EXAMINE THE AREA AND CONDITIONS UNDER WHICH WORK OF THIS SECTION WILL BE PERFORMED. CORRECT CONDITIONS DEFICIENT TO MEET AND PROPER COMPLETION OF WORK. DO NOT PROCEED UNTIL SURFACE CONDITIONS ARE CORRECTED</li> <li>B. REMOVE ALL LANTAGE TO ADHESIVE A VIBRAL OR T-X-TILE ROUGHNESS STANDARD EQUIVALENT TO 150 GRIT OR COARSER SAND PAPER</li> <li>C. PATCH ALL SPALLS AND DRAINATIONS WITH SPECIFIED PATCHING MATERIALS AND IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. ALLOW PARTICLES TO DRY AND AIR DRY. ALLOW LOWER CURING TIME IF LOWER TEMPERATURES OR HIGHER RELATIVE HUMIDITY IS PRESENT</li> <li>D. ALLOW ALL FREE WATER TO EVAPORATE FROM THE SURFACE. SURFACE MOISTURE SHOULD NOT BE PRESENT</li> <li>E. F SURFACE IS CHALKY AFTER CLEANING AND PREPARATION, APPLY ACCEPTABLE PRIMER AND ALLOW TO DRY</li> <li>32. MATERIAL PREPARATION</li> <li>A. GENERAL</li> <li>1. MIX AND PREPARE PAINT MATERIALS IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND AS APPROVED BY THE OWNER</li> <li>2. REMOVE ALL EXCESS PAINT FROM SURFACE AND STORE IN TIGHTLY COVERED CONTAINERS</li> <li>3. MAINTAIN CONTAINERS USED IN THE STORAGE AND MIXING OF PAINT IN CLEAN CONDITION, FREE FROM FOREIGN MATERIALS AND RESIDUE</li> <li>B. STRIPING</li> <li>1. STR MATERIALS BEFORE APPLICATION, PRODUING A UNIFORM DENSITY</li> <li>2. STRIPING MATERIALS SHOULD BE APPLIED IN SUCH A MANNER THAT THE SURFACE REMOVE THE FILM AND IF NECESSARY, STRIP THE MATERIAL BEFORE USING</li> <li>33. SURFACE PREPARATION</li> <li>A. PERFORM PREPARATION AND CLEANING PROCEDURES IN STRICT ACCORDANCE WITH THE COATING MANUFACTURERS RECOMMENDATIONS AND AS APPROVED BY THE OWNER</li> <li>B. ALL SURFACES MUST BE SOUND, CLEAN AND FREE OF ALL DUST, DIRT, OILS, GREASE, LANTAGE, MILDEW THAT PRESENT. GOOD ADHESION</li> <li>C. A COMBINATION OF CLEANING METHODS MAY BE USED. HIGH PRESSURE AIRWASH, BLASTING, WATER BLASTING WITH VARIOUS PRESSURES, APOD TO WATER STREAM IS ACCEPTABLE. SOME STAINS AND CONTAMINANTS MAY REQUIRE CHEMICAL REMOVAL. SEE SECTION 0900 FOR ADDITIONAL INFORMATION</li> <li>D. USE THE LEAST DESTRUCTIVE METHOD POSSIBLE</li> <li>34. CRACKS</li> <li>A. LOCATE AND IDENTIFY ALL CRACKS STATIC THRUOUT CRACKS CAUSED BY PLASTIC OR CURING SHRINKAGE CAN BE CLEANED OUT AND FILLED BY A BRUSH COAT OF THE SPECIFIED COATING AND ALLOWED TO DRY</li> <li>1. CRACKS GREATER THAN 1/8" IN WIDTH SHOULD BE CLEANED AND FILLED WITH THE SPECIFIED ELASTOMERIC PATCHING MATERIAL</li> <li>2. CRACKS GREATER THAN 1/4" X 1/4" DEEP SHOULD BE TREATED AS STANDARD SEALANT JOINTS PER SEALANT MANUFACTURERS SPECIFICATIONS. SEE SECTION 0700</li> <li>35. CHALKY SURFACES</li> <li>A. ALL CHALKY MATERIALS OR CONTAMINATIONS SURFACES SHOULD BE CLEANED AND PRARED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS IN A ONE OR TWO COAT APPLICATION</li> <li>36. COATING APPLICATION</li> <li>A. APPLY A BASE COAT BY BACK ROLLER OR BRUSH ALL SUBSEQUENT COATS TO BE APPLIED BY COATINGS BRUSH OR ROLLER APPLICATION. USE A 3/4" WIDE ROLLER DESIGNED FOR WATER-BASED COATINGS</li> <li>B. BRUSHING ALLOW SUFFICIENT DRYING TIME BETWEEN COATS, WORKING THE PERIOD AS RECOMMENDED BY THE MATERIAL MANUFACTURER TO SUIT ADVERSE WEATHER CONDITIONS</li> <li>1. DRY TIME AT 70 DEGREES F &amp; 50% HUMIDITY TO TOUCH, 1 TO 2 HOURS IS REQUIRED TO RECOAT 1 TO 4 HOURS IS REQUIRED</li> <li>END OF DIVISION 9</li> </ol>
---	---	---	---

<p><b>DIVISION SEVEN – JOINT SEALANT</b></p> <p><b>PART 1 – GENERAL</b></p> <ol style="list-style-type: none"> <li>DESCRIPTION</li> <li>A. THE WORK GENERALLY INCLUDES CLEANING OUT OF EXISTING CONTROL JOINTS IN CONCRETE SURFACES AND SUCH OTHER WORK AS MAY BE NECESSARIED BY THESE OPERATIONS</li> <li>B. RELATED WORK SPECIFIED ELSEWHERE</li> <li>1. DIVISION 3, CONCRETE RESTORATION</li> <li>2. DIVISION 9, SPECIAL COATINGS</li> <li>12. QUALITY ASSURANCE</li> <li>A. SMI (SEALING AND WATERPROOFERS INSTITUTE) – SEALANT AND CURING GEL SPECIFICATIONS</li> <li>B. FS 11-5-00645 – SEALING COMPOUND, SILICONE RUBBER BASE</li> <li>13. DELIVERY, STORAGE AND HANDLING</li> <li>A. DELIVER IN MANUFACTURERS ORIGINAL UNOPENED CONTAINERS WITH LABELS, INSTRUCTIONS AND LEGIBLE</li> <li>B. ALL MATERIALS SHALL BE CAREFULLY HANDLED AND STORED TO PREVENT THE INTRUSION OF FOREIGN MATERIALS OR EXPOSURE TO TEMPERATURES EXCEEDING 99 DEGREES F (35 DEGREES C)</li> <li>14. JOB CONDITIONS</li> <li>A. JOINTS SHALL BE PREPARED AS RECOMMENDED BY THE MANUFACTURER OF THE MATERIALS BEING USED</li> <li>B. SURFACES TO WHICH SEALANT IS TO BE APPLIED SHALL BE DRY, FREE FROM OIL, OL, GREASE, LOOSE PARTICLES OR OTHER DETERIOROUS MATERIALS WHICH WOULD REDUCE ADHESION</li> <li>C. FOLLOW MANUFACTURERS RECOMMENDATIONS CONCERNING WEATHER LIMITATIONS</li> <li>15. GUARANTEE</li> <li>A. GUARANTEE ALL WORK AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR TWO (2) YEARS FOLLOWING FINAL ACCEPTANCE OF WORK</li> </ol> <p><b>PART 2 – PRODUCTS</b></p> <ol style="list-style-type: none"> <li>PACKER ROD</li> <li>A. PACK ROD FOR JOINTS SHALL BE CURED CELL POLYETHYLENE FOAM ROD OR OPEN CELL POLYURETHANE FOAM ROD SIZED TO FIT JOINT WIDTH</li> <li>SEALANT</li> <li>A. ONE-PART SILICONE HIGH-PERFORMANCE GROUTING AND WEATHERPROOFING SEALANT/ADHESIVE. NON-SHEDDING, NON-BLEEDING, COLOR TO MATCH SURROUNDING SURFACES</li> </ol>	<ol style="list-style-type: none"> <li>MANUFACTURER: DOW CORNING #795</li> <li>ACCESSORIES</li> <li>1. PRIMER: NON-STAINING TYPE AS RECOMMENDED BY SEALANT MANUFACTURER TO SUI APPLICATION</li> <li>2. JOINT CLEANER: NON-CORROSIVE AND NON-STAINING TYPE, RECOMMENDED BY SEALANT MANUFACTURER, COMPATIBLE WITH JOINT FORMING MATERIALS</li> </ol> <p><b>PART 3 – EXECUTION</b></p> <ol style="list-style-type: none"> <li>PRELIMINARY WORK</li> <li>1. VERIFY THAT WORK OF OTHER TRADES THAT AFFECT THE WORK OF THIS SECTION HAS BEEN COMPLETED</li> <li>2. EXAMINE SURFACES FOR ADEQUATE AND PROPER FOREIGN MATERIALS, MOISTURE, AND WHETHER WOULD PRESENT THE EXECUTION AND QUALITY OF SEALANT APPLICATION</li> <li>E. DO NOT PROCEED WITH THE WORK OF THIS SECTION UNTIL ALL DEFECTS ARE CORRECTED</li> <li>32. SURFACE PREPARATION</li> <li>A. CONCRETE SURFACES TO RECEIVE SEALANT SHALL BE CLEANED BY WIRE BRUSHING TO REMOVE ALL LOOSE PARTICLES, LANTAGE AND LOOSE MATERIAL</li> <li>B. ALL SURFACES TO RECEIVE SEALANT SHALL BE CLEAN, DRY, FREE OF LOOSE MATERIALS, DIRT, DUST, OIL, FROST, OR OILMEN</li> <li>C. REPLACE ENGINE DETERIORATED, DEFECTIVE SEALANT AS DIRECTED OR DETERMINED BY THE ARCHITECT</li> <li>33. PACKER ROD INSTALLATION</li> <li>A. INSTALL PACKER ROD AT JOINTS USING A PLANT INSTRUMENT. DO NOT TWIST OR RATTLE THE PACKER ROD AFTER APPLICATION MAY BE COMPLETE</li> <li>B. REMOVE ALL TRACES OF EXISTING SEALANT AND PACKING MATERIAL MUST BE REMOVED TO MINIMUM OF 5/8" DEPTH</li> <li>34. CLEAN UP</li> <li>A. MISAPPLIED SEALANT AND PROPPINGS SHALL BE IMMEDIATELY REMOVED BY METHODS AND MATERIALS RECOMMENDED IN WRITING FROM THE MANUFACTURER OF THE SEALANT USED</li> <li>B. AFTER MATERIAL IS APPLIED AND TOLDED, THE CONTRACTOR SHALL REMOVE ALL MARKING AND OTHER PROTECTION AND CLEAN UP ANY REMAINING DETERIMENT CAUSED BY THE SEALANT</li> <li>C. CLEAN TOOLS AND EQUIPMENT IMMEDIATELY WITH WATER. DRIED MATERIAL MUST BE REMOVED BY MECHANICAL MEANS ONLY</li> <li>END OF DIVISION 7</li> </ol> <p><b>DIVISION 9 – SPECIAL COATINGS</b></p> <p><b>PART 1 – GENERAL</b></p> <ol style="list-style-type: none"> <li>DESCRIPTION</li> <li>A. THE WORK GENERALLY INCLUDES THE COATING OF EXISTING EXPOSED CONCRETE SURFACES AND MISCELLANEOUS TOLD UP AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION INCLUDING</li> <li>B. APPLICATION OF HIGH BUILD WATER-BASED, 100% ACRYLIC, WATERPROOF COATING FOR ABOVE GRADE CONCRETE</li> <li>C. RELATED WORK SPECIFIED ELSEWHERE</li> <li>1. DIVISION 3, CONCRETE RESTORATION</li> <li>2. DIVISION 7, JOINT SEALANT</li> <li>D. FINISHES OF CERTAIN SERVICES MAY BE REQUIRED. THE FOLLOWING ARE ACCEPTABLE FOR FINISHING WORK CALLED FOR</li> <li>1. SHERWIN-WILLIAMS ZINC-CLAD 5 ORGANIC ZINC-RICH PRIMER</li> <li>2. BENJAMIN MOORE POLYGLAZ LATEX LOW VAPOR NETAL ENAMEL 399/399</li> <li>3. FRO PITTGBRASH PAINTS EDOXY ZINC RICH PRIMER 91-47L, 91-61Z</li> <li>E. USE QUALIFIED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY ASPECTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK IN THIS SECTION</li> <li>F. MANUFACTURER QUALIFICATIONS</li> <li>1. COMPANY WITH MINIMUM 15 YEARS OF EXPERIENCE IN MANUFACTURING OF SPECIFIED PRODUCTS AND SYSTEMS</li> <li>2. COMPANY SHALL BE ISO 9001/2000 CERTIFIED</li> <li>C. APPLICATION QUALIFICATIONS: COMPANY WITH MINIMUM OF 5 YEARS EXPERIENCE IN APPLICATION OF SPECIFIED PRODUCTS AND SYSTEMS</li> <li>E. SAFETY: HEALTH AND ENVIRONMENTAL RECOMMENDATIONS. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT INCLUDING EVERER WEARING THE MOST CURRENT ANSI Z 87.1 DATA</li> <li>D. PERFORMANCE REQUIREMENTS – THROUGHOUT SMOOTH</li> <li>1. FLEXIBILITY PER ASTM D791, F WAREAGE, NO CRACKING</li> <li>2. WATER-RESISTANT PER ASTM D791, F WAREAGE</li> <li>3. WATER-WORR PERFORMANCE: 3 PASSES PER ASTM D993</li> <li>4. CARBON-HOUDER DEFLECTION PER EN 1061-4</li> <li>5. ALKALI-INDUCED WEATHERING PER ASTM D673</li> <li>6. VIBRAL COLOR CHANGE AT 5000 HOURS, PASSES PER ASTM D703</li> <li>7. CHANGING AT 5000 HOURS, PASSES PER DOT METHOD A &amp; B</li> <li>8. FREEZE/THAW RESISTANCE AT 50 CYCLES, PASSES PER ASTM C671</li> <li>9. DIRT FROM RESISTANCE PER ASTM D791, F WAREAGE</li> <li>10. FINISH RESISTANCE: NO SCOURING PER ASTM D973</li> <li>11. IMPACT RESISTANCE: PER ASTM D791, F WAREAGE</li> <li>12. SURFACE FINISHING CHARACTERISTICS PER ASTM E84</li> <li>13. QUANTITIES</li> <li>A. PRODUCT DATA, MANUFACTURERS SPECIFICATIONS AND OTHER DATA, NEED TO REMOVE CONTAMINATE WITH SPECIFIED REQUIREMENTS, SAFETY DATA SHEETS ON ALL MATERIALS</li> <li>14. DELIVERY, STORAGE AND HANDLING</li> <li>A. TRANSPORT AND STORE IN ORIGINAL UNOPENED UNOPENED CONTAINERS PROTECTED FROM FREEZING. IF PRINCIPALLY FROM PLICE CONTAINERS IN TIGHT AREA AND ALLOW TO WARM UP. DO NOT APPLY HEAT DIRECTLY TO CONTAINERS</li> <li>B. SHELF LIFE OF PRODUCT IS UP TO 12 MONTHS WHEN UNOPENED UNOPENED ORIGINAL SEALED CONTAINERS WHICH HAVE BEEN PROPERLY TRANSPORTED AND STORED</li> </ol>	<ol style="list-style-type: none"> <li>CONTRACTOR IS NOT TO USE ANY MATERIALS FROM DAMAGED OR DEFECTIVE CONTAINERS</li> <li>JOB CONDITIONS</li> <li>A. DO NOT APPLY WHEN THE TEMPERATURE (SUBSTRATE OR AMBIENT) IS 40 DEGREES F OR BELOW, OR IS EXPECTED TO FALL BELOW 40 DEGREES F WITHIN 24 HOURS AFTER APPLICATION, WITHOUT SUPPLEMENTAL HEATING OF COATING</li> <li>B. DO NOT USE AS A GRADE FILLING OR CRACK FILLING COATING</li> <li>C. DO NOT APPLY COATING TO FROZEN OR FROST COVERED SUBSTRATES</li> <li>D. DO NOT APPLY IF THE TEMPERATURE IS WITHIN 5 DEGREES F OF THE AMBIENT DEW POINT</li> <li>E. DO NOT APPLY IF RAIN IS EXPECTED WITHIN 24 HOURS OF APPLICATION</li> <li>F. DO NOT APPLY TO EXISTING COATINGS WHICH ARE NOT COMPATIBLE. VERIFY WITH MANUFACTURER PRIOR TO APPLICATION</li> <li>G. DO NOT APPLY OVER MOIST CRACKS</li> <li>H. SPECIFIC MOISTURE CONTENT SHOULD NOT BE PRESENT WHEN TREATED PER ASTM D4429-99</li> <li>15. GUARANTEE</li> <li>A. CONTRACTOR SHALL GUARANTEE ALL WORK AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF TWO (2) YEARS FOLLOWING FINAL ACCEPTANCE OF WORK</li> </ol> <p><b>PART 2 – PRODUCTS</b></p> <ol style="list-style-type: none"> <li>MANUFACTURERS</li> <li>A. ACRYLIC TEXTURED COATING AS MANUFACTURED BY, OR AN APPROVED EQUIV.</li> <li>BASE BUILDING SYSTEMS</li> <li>PRODUCTS</li> <li>A. WATER-BASED 100% ACRYLIC ELASTOMERIC WATERPROOFING COATING CONSISTING OF WATER, ACRYLIC EMULSION, THINNERS AND OTHER PROPRIETARY INGREDIENTS</li> <li>THROUGHOUT FINE</li> <li>DENSITY: 11) POUNDS PER GALLON (157 KG/L) TO 14) POUNDS PER GALLON (169 KG/L) PER ASTM D996</li> <li>SOLID CONTENTS: PER ASTM D996, 54% BY WEIGHT, 48% BY VOLUME</li> <li>VISCOSITY: 1) IN KU TO 15) KU PER ASTM D996</li> <li>WET CONTENT: 05) LBS PER GALLON (660/L) PER ASTM D996</li> <li>COLOR: TO BE CHOSEN FROM MANUFACTURERS STANDARD COLOR CHART</li> <li>D. TEXTURE: FINE</li> <li>E. PACKAGE: 5 GALLON CONTAINER</li> </ol> <p><b>PART 3 – EXECUTION</b></p> <ol style="list-style-type: none"> <li>SURFACE CONDITIONS</li> <li>A. EXAMINE THE AREA AND CONDITIONS UNDER WHICH WORK OF THIS SECTION WILL BE PERFORMED. CORRECT CONDITIONS DEFICIENT TO MEET AND PROPER COMPLETION OF WORK. DO NOT PROCEED UNTIL SURFACE CONDITIONS ARE CORRECTED</li> <li>B. REMOVE ALL LANTAGE TO ADHESIVE A VIBRAL OR T-X-TILE ROUGHNESS STANDARD EQUIVALENT TO 150 GRIT OR COARSER SAND PAPER</li> <li>C. PATCH ALL SPALLS AND DRAINATIONS WITH SPECIFIED PATCHING MATERIALS AND IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. ALLOW PARTICLES TO DRY AND AIR DRY. ALLOW LOWER CURING TIME IF LOWER TEMPERATURES OR HIGHER RELATIVE HUMIDITY IS PRESENT</li> <li>D. ALLOW ALL FREE WATER TO EVAPORATE FROM THE SURFACE. SURFACE MOISTURE SHOULD NOT BE PRESENT</li> <li>E. F SURFACE IS CHALKY AFTER CLEANING AND PREPARATION, APPLY ACCEPTABLE PRIMER AND ALLOW TO DRY</li> <li>32. MATERIAL PREPARATION</li> <li>A. GENERAL</li> <li>1. MIX AND PREPARE PAINT MATERIALS IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND AS APPROVED BY THE OWNER</li> <li>2. REMOVE ALL EXCESS PAINT FROM SURFACE AND STORE IN TIGHTLY COVERED CONTAINERS</li> <li>3. MAINTAIN CONTAINERS USED IN THE STORAGE AND MIXING OF PAINT IN CLEAN CONDITION, FREE FROM FOREIGN MATERIALS AND RESIDUE</li> <li>B. STRIPING</li> <li>1. STR MATERIALS BEFORE APPLICATION, PRODUING A UNIFORM DENSITY</li> <li>2. STRIPING MATERIALS SHOULD BE APPLIED IN SUCH A MANNER THAT THE SURFACE REMOVE THE FILM AND IF NECESSARY, STRIP THE MATERIAL BEFORE USING</li> <li>33. SURFACE PREPARATION</li> <li>A. PERFORM PREPARATION AND CLEANING PROCEDURES IN STRICT ACCORDANCE WITH THE COATING MANUFACTURERS RECOMMENDATIONS AND AS APPROVED BY THE OWNER</li> <li>B. ALL SURFACES MUST BE SOUND, CLEAN AND FREE OF ALL DUST, DIRT, OILS, GREASE, LANTAGE, MILDEW THAT PRESENT. GOOD ADHESION</li> <li>C. A COMBINATION OF CLEANING METHODS MAY BE USED. HIGH PRESSURE AIRWASH, BLASTING, WATER BLASTING WITH VARIOUS PRESSURES, APOD TO WATER STREAM IS ACCEPTABLE. SOME STAINS AND CONTAMINANTS MAY REQUIRE CHEMICAL REMOVAL. SEE SECTION 0900 FOR ADDITIONAL INFORMATION</li> <li>D. USE THE LEAST DESTRUCTIVE METHOD POSSIBLE</li> <li>34. CRACKS</li> <li>A. LOCATE AND IDENTIFY ALL CRACKS STATIC THRUOUT CRACKS CAUSED BY PLASTIC OR CURING SHRINKAGE CAN BE CLEANED OUT AND FILLED BY A BRUSH COAT OF THE SPECIFIED COATING AND ALLOWED TO DRY</li> <li>1. CRACKS GREATER THAN 1/8" IN WIDTH SHOULD BE CLEANED AND FILLED WITH THE SPECIFIED ELASTOMERIC PATCHING MATERIAL</li> <li>2. CRACKS GREATER THAN 1/4" X 1/4" DEEP SHOULD BE TREATED AS STANDARD SEALANT JOINTS PER SEALANT MANUFACTURERS SPECIFICATIONS. SEE SECTION 0700</li> <li>35. CHALKY SURFACES</li> <li>A. ALL CHALKY MATERIALS OR CONTAMINATIONS SURFACES SHOULD BE CLEANED AND PRARED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS IN A ONE OR TWO COAT APPLICATION</li> <li>36. COATING APPLICATION</li> <li>A. APPLY A BASE COAT BY BACK ROLLER OR BRUSH ALL SUBSEQUENT COATS TO BE APPLIED BY COATINGS BRUSH OR ROLLER APPLICATION. USE A 3/4" WIDE ROLLER DESIGNED FOR WATER-BASED COATINGS</li> <li>B. BRUSHING ALLOW SUFFICIENT DRYING TIME BETWEEN COATS, WORKING THE PERIOD AS RECOMMENDED BY THE MATERIAL MANUFACTURER TO SUIT ADVERSE WEATHER CONDITIONS</li> <li>1. DRY TIME AT 70 DEGREES F &amp; 50% HUMIDITY TO TOUCH, 1 TO 2 HOURS IS REQUIRED TO RECOAT 1 TO 4 HOURS IS REQUIRED</li> <li>END OF DIVISION 9</li> </ol>
--	---	---

<p><b>DIVISION SEVEN – JOINT SEALANT</b></p> <p><b>PART 1 – GENERAL</b></p> <ol style="list-style-type: none"> <li>DESCRIPTION</li> <li>A. THE WORK GENERALLY INCLUDES CLEANING OUT OF EXISTING CONTROL JOINTS IN CONCRETE SURFACES AND SUCH OTHER WORK AS MAY BE NECESSARIED BY THESE OPERATIONS</li> <li>B. RELATED WORK SPECIFIED ELSEWHERE</li> <li>1. DIVISION 3, CONCRETE RESTORATION</li> <li>2. DIVISION 9, SPECIAL COATINGS</li> <li>12. QUALITY ASSURANCE</li> <li>A. SMI (SEALING AND WATERPROOFERS INSTITUTE) – SEALANT AND CURING GEL SPECIFICATIONS</li> <li>B. FS 11-5-00645 – SEALING COMPOUND, SILICONE RUBBER BASE</li> <li>13. DELIVERY, STORAGE AND HANDLING</li> <li>A. DELIVER IN MANUFACTURERS ORIGINAL UNOPENED CONTAINERS WITH LABELS, INSTRUCTIONS AND LEGIBLE</li> <li>B. ALL MATERIALS SHALL BE CAREFULLY HANDLED AND STORED TO PREVENT THE INTRUSION OF FOREIGN MATERIALS OR EXPOSURE TO TEMPERATURES EXCEEDING 99 DEGREES F (35 DEGREES C)</li> <li>14. JOB CONDITIONS</li> <li>A. JOINTS SHALL BE PREPARED AS RECOMMENDED BY THE MANUFACTURER OF THE MATERIALS BEING USED</li> <li>B. SURFACES TO WHICH SEALANT IS TO BE APPLIED SHALL BE DRY, FREE FROM OIL, OL, GREASE, LOOSE PARTICLES OR OTHER DETERIOROUS MATERIALS WHICH WOULD REDUCE ADHESION</li> <li>C. FOLLOW MANUFACTURERS RECOMMENDATIONS CONCERNING WEATHER LIMITATIONS</li> <li>15. GUARANTEE</li> <li>A. GUARANTEE ALL WORK AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR TWO (2) YEARS FOLLOWING FINAL ACCEPTANCE OF WORK</li> </ol> <p><b>PART 2 – PRODUCTS</b></p> <ol style="list-style-type: none"> <li>PACKER ROD</li> <li>A. PACK ROD FOR JOINTS SHALL BE CURED CELL POLYETHYLENE FOAM ROD OR OPEN CELL POLYURETHANE FOAM ROD SIZED TO FIT JOINT WIDTH</li> <li>SEALANT</li> <li>A. ONE-PART SILICONE HIGH-PERFORMANCE GROUTING AND WEATHERPROOFING SEALANT/ADHESIVE. NON-SHEDDING, NON-BLEEDING, COLOR TO MATCH SURROUNDING SURFACES</li> </ol>	<ol style="list-style-type: none"> <li>MANUFACTURER: DOW CORNING #795</li> <li>ACCESSORIES</li> <li>1. PRIMER: NON-STAINING TYPE AS RECOMMENDED BY SEALANT MANUFACTURER TO SUI APPLICATION</li> <li>2. JOINT CLEANER: NON-CORROSIVE AND NON-STAINING TYPE, RECOMMENDED BY SEALANT MANUFACTURER, COMPATIBLE WITH JOINT FORMING MATERIALS</li> </ol> <p><b>PART 3 – EXECUTION</b></p> <ol style="list-style-type: none"> <li>PRELIMINARY WORK</li> <li>1. VERIFY THAT WORK OF OTHER TRADES THAT AFFECT THE WORK OF THIS SECTION HAS BEEN COMPLETED</li> <li>2. EXAMINE SURFACES FOR ADEQUATE AND PROPER FOREIGN MATERIALS, MOISTURE, AND WHETHER WOULD PRESENT THE EXECUTION AND QUALITY OF SEALANT APPLICATION</li> <li>E. DO NOT PROCEED WITH THE WORK OF THIS SECTION UNTIL ALL DEFECTS ARE CORRECTED</li> <li>32. SURFACE PREPARATION</li> <li>A. CONCRETE SURFACES TO RECEIVE SEALANT SHALL BE CLEANED BY WIRE BRUSHING TO REMOVE ALL LOOSE PARTICLES, LANTAGE AND LOOSE MATERIAL</li> <li>B. ALL SURFACES TO RECEIVE SEALANT SHALL BE CLEAN, DRY, FREE OF LOOSE MATERIALS, DIRT, DUST, OIL, FROST, OR OILMEN</li> <li>C. REPLACE ENGINE DETERIORATED, DEFECTIVE SEALANT AS DIRECTED OR DETERMINED BY THE ARCHITECT</li> <li>33. PACKER ROD INSTALLATION</li> <li>A. INSTALL PACKER ROD AT JOINTS USING A PLANT INSTRUMENT. DO NOT TWIST OR RATTLE THE PACKER ROD AFTER APPLICATION MAY BE COMPLETE</li> <li>B. REMOVE ALL TRACES OF EXISTING SEALANT AND PACKING MATERIAL MUST BE</li></ol>
--	---