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THERMAL AND MOISTURE PROTECTION (CONT)

SECTION 079200 - JOINT SEALANTS	
1.1	MATERIALS
A.	VOC CONTENT OF INTERIOR SEALANTS: PROVIDE INTERIOR SEALANTS AND SEALANT PRIMERS THAT COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24):
1.	SEALANTS: 250 G/L
2.	SEALANT PRIMERS FOR NONPOROUS SUBSTRATES: 250 G/L
3.	SEALANT PRIMERS FOR POROUS SUBSTRATES: 775 G/L
B.	SUITABILITY FOR CONTACT WITH FOOD: WHERE SEALANTS ARE INDICATED FOR JOINTS THAT WILL COME IN REPEATED CONTACT WITH FOOD, PROVIDE PRODUCTS THAT COMPLY WITH 21 CFR 177.2600
C.	ELASTOMERIC JOINT SEALANTS: LIQUID APPLIED, CHEMICALLY CURING; ASTM C 920.
1.	MULTICOMPONENT NONSAG NEUTRAL-CURING SILICONE SEALANT ES-1.
2.	SINGLE-COMPONENT MILDEW-RESISTANT NEUTRAL-CURING SILICONE SEALANT ES-2.
3.	SINGLE-COMPONENT MILDEW-RESISTANT ACID-CURING SILICONE SEALANT ES-3.
4.	SINGLE-COMPONENT MILDEW-RESISTANT ACID-CURING RTV SILICONE SEALANT ES-4.
5.	MULTICOMPONENT NONSAG POLYUREA SEALANT ES-5.
6.	MULTICOMPONENT NONSAG POLYUREA FILLER ES-6.
D.	LATEX SEALANT LS-1: COMPLY WITH ASTM C 834, TYPE P, GRADE NF.
E.	JOINT-SEALANT BACKING:
1.2	JOINT-SEALANT SCHEDULE
A.	JOINT-SEALANT APPLICATION JS-1: EXTERIOR HORIZONTAL NONTRAFFIC AND TRAFFIC ISOLATION AND CONTRACTION JOINTS IN CAST-IN-PLACE CONCRETE SLABS.
1.	JOINT SEALANT: ES-5.
B.	JOINT-SEALANT APPLICATION JS-2: EXTERIOR PERIMETER JOINTS BETWEEN WALL AND FRAMES OF DOORS AND WINDOWS.
1.	JOINT SEALANT: ES-1.
C.	JOINT-SEALANT APPLICATION JS-3: EXTERIOR CONTROL AND EXPANSION JOINTS IN HORIZONTAL TRAFFIC SURFACES OF BRICK PAVERS, CERAMIC TILE, STONE PAVING UNITS, CONCRETE TILE.
1.	JOINT SEALANT: MULTICOMPONENT POURABLE POLYSULFIDE SEALANT.
2.	JOINT-SEALANT COLOR: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
D.	JOINT-SEALANT APPLICATION JS-4: INTERIOR PERIMETER JOINTS OF EXTERIOR OPENINGS.
1.	JOINT SEALANT: ES-3.
E.	JOINT-SEALANT APPLICATION JS-5: INTERIOR CERAMIC TILE EXPANSION, CONTROL, CONTRACTION, AND ISOLATION JOINTS IN HORIZONTAL TRAFFIC SURFACES.
1.	JOINT SEALANT: ES-3.
2.	JOINT-SEALANT COLOR: AS NOTED.
F.	JOINT-SEALANT APPLICATION JS-6: INTERIOR JOINTS BETWEEN PLUMBING FIXTURES AND ADJOINING WALLS, FLOORS, AND COUNTERS.
1.	JOINT SEALANT: ES-3.
2.	JOINT-SEALANT COLOR: TRANSLUCENT.
G.	JOINT-SEALANT APPLICATION JS-7: VERTICAL JOINTS ON EXPOSED SURFACES OF INTERIOR PARTITIONS.
1.	JOINT SEALANT: ES-3.
H.	JOINT-SEALANT APPLICATION JS-8: PERIMETER JOINTS BETWEEN INTERIOR WALL SURFACES AND FRAMES OF INTERIOR DOORS, WINDOWS.
1.	JOINT SEALANT: ES-3.
I.	JOINT-SEALANT APPLICATION JS-9: HVAC JOINTS.
1.	JOINT SEALANT: ES-2.
2.	JOINT-SEALANT COLOR: ALUMINUM.
J.	JOINT-SEALANT APPLICATION JS-10: NON-POROUS MATERIAL TO NON-POROUS MATERIAL.
1.	JOINT SEALANT: ES-4.
2.	JOINT-SEALANT COLOR: CLEAR.
END OF SECTION 079200	

DOORS AND WINDOWS

SECTION 081416 - FLUSH WOOD DOORS	
1.1	SUBMITTALS
A.	PRODUCT DATA: FOR EACH TYPE OF DOOR INDICATED, INCLUDE DETAILS OF CORE AND EDGE CONSTRUCTION AND TRIM FOR OPENINGS.
B.	SHOP DRAWINGS: INDICATE LOCATION, SIZE, AND HAND OF EACH DOOR; ELEVATION OF EACH KIND OF DOOR; CONSTRUCTION DETAILS NOT COVERED IN PRODUCT DATA; LOCATION AND EXTENT OF HARDWARE BLOCKING; AND OTHER PERTINENT DATA.
1.	INDICATE DIMENSIONS AND LOCATIONS OF MORTISES AND HOLES FOR HARDWARE.
2.	INDICATE DIMENSIONS AND LOCATIONS OF CUTOUTS.
3.	INDICATE REQUIREMENTS FOR VENEER MATCHING.
4.	INDICATE DOORS TO BE FACTORY FINISHED AND FINISH REQUIREMENTS.
5.	INDICATE FIRE-PROTECTION RATINGS FOR FIRE-RATED DOORS.
C.	WARRANTY: SAMPLE OF SPECIAL WARRANTY.
1.2	QUALITY ASSURANCE
A.	QUALITY STANDARD: AWI.
1.	AWI QUALITY CERTIFICATION LABELS OR AN AWI LETTER OF LICENSING FOR DOORS.
2.	WI-CERTIFIED COMPLIANCE CERTIFICATE FOR DOORS AND INSTALLATION.
B.	FIRE-RATED WOOD DOORS: POSITIVE PRESSURE TESTING.
DOOR CONSTRUCTION, GENERAL	
A.	LOW-EMITTING MATERIALS: MADE WITH ADHESIVES AND COMPOSITE WOOD PRODUCTS THAT DO HAVE NO ADDED UREA FORMALDEHYDE.
B.	WDMA LS 1-A PERFORMANCE GRADE: HEAVY DUTY UNLESS OTHERWISE INDICATED.
1.4	VENEERED-FACED DOORS FOR TRANSPARENT FINISH
A.	INTERIOR SOLID-CORE DOORS:
1.	CORE: PARTICLEBOARD.
2.	CONSTRUCTION: FIVE OR SEVEN PLYS, BONDED.
1.5	PRIMING/FINISHING
A.	SHOP PRIMING:
1.	DOORS FOR OPAQUE FINISH: ONE COAT OF WOOD PRIMER.
2.	DOORS FOR TRANSPARENT FINISH: STAIN AND FIRST COAT OF FINISH.
B.	FACTORY FINISHING: ALL DOORS.
END OF SECTION 081416	

DOORS AND WINDOWS (CONTINUED)

SECTION 08345 - DOUBLE ACTING SWING DOORS	
1.1	PART 1 - GENERAL
A.	SECTION INCLUDES:
1.	SOLID-CORE DOUBLE ACTING SWING DOORS WITH PLASTIC LAMINATE FACES.
1.2	SUBMITTALS
A.	PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED, INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, CORE DESCRIPTIONS, FIRE-RESISTANCE RATING, TEMPERATURE-RISE RATINGS, AND FINISHES.
B.	SHOP DRAWINGS: INCLUDE THE FOLLOWING:
1.	ELEVATIONS OF EACH DOOR DESIGN.
2.	DETAILS OF DOORS, INCLUDING VERTICAL AND HORIZONTAL EDGE DETAILS AND METAL THICKNESSES.
3.	FRAME DETAILS FOR EACH FRAME TYPE, INCLUDING DIMENSIONED PROFILES AND METAL THICKNESSES.
4.	LOCATIONS OF REINFORCEMENT AND PREPARATIONS FOR HARDWARE.
5.	DETAILS OF ACCESSORIES.
6.	DETAILS OF MOLDINGS, REMOVABLE STOPS, AND GLAZING.
1.3	STANDARD DOUBLE ACTING SWING DOORS
A.	GENERAL: PROVIDE DOORS OF DESIGN INDICATED, NOT LESS THAN THICKNESS INDICATED; FABRICATED WITH SMOOTH SURFACES, WITHOUT VISIBLE JOINTS OR SEAMS ON EXPOSED FACES UNLESS OTHERWISE INDICATED. COMPLY WITH ANSI/SDI A250.8.
1.	DESIGN: AS INDICATED.
B.	CORE CONSTRUCTION: 3/4 INCH (19 MM) EXTERIOR GRADE SOLID WOOD CORE MADE WITH ADHESIVES AND COMPOSITE WOOD PRODUCTS THAT DO NOT CONTAIN UREA FORMALDEHYDE.
1.	VERTICAL EDGES FOR DOUBLE-ACTING DOORS: ROUND VERTICAL EDGES WITH 2-1/8 INCH (54 MM) RADIUS.
2.	TOP AND BOTTOM EDGES: CLOSED WITH FLUSH OR INVERTED 0.042 INCH (1.0 MM) THICK, END CLOSURES OR CHANNELS OF SAME MATERIAL AS FACE SHEETS.
3.	TOLERANCES: COMPLY WITH SDI 117, "MANUFACTURING TOLERANCES FOR STANDARD STEEL DOORS AND FRAMES."
C.	INTERIOR DOORS: FACE SHEETS FABRICATED FROM DECORATIVE HIGH PRESSURE LAMINATE; PROVIDE DOORS COMPLYING WITH REQUIREMENTS INDICATED BELOW BY REFERENCING ANSI/SDI A250.8 FOR LEVEL AND MODEL AND ANSI/SDI A250.4 FOR PHYSICAL PERFORMANCE LEVEL:
1.	LEVEL 1 AND PHYSICAL PERFORMANCE LEVEL C (STANDARD DUTY).
a.	WIDTH: AS INDICATED ON DRAWINGS.
D.	HARDWARE REINFORCEMENT: FABRICATE ACCORDING TO ANSI/SDI A250.6 WITH REINFORCING PLATES OF 18 GAUGE STAINLESS STEEL.
E.	FABRICATE CONCEALED STIFFENERS AND HARDWARE REINFORCEMENT FROM EITHER COLD- OR HOT-ROLLED STEEL SHEET.
1.4	STOPS AND MOLDINGS
A.	MOLDINGS FOR GLAZED LITES IN DOORS:
1.	MINIMUM 0.032 INCH (0.8 MM) THICK.
2.	LOOSE STOPS FOR GLAZED LITES IN FRAMES:
1.	MINIMUM 0.032 INCH (0.8 MM) THICK, FABRICATED FROM SAME MATERIAL AS FRAMES IN WHICH THEY ARE INSTALLED.
1.5	STEEL FINISHES
A.	PRIME FINISH: APPLY MANUFACTURER'S STANDARD PRIMER IMMEDIATELY AFTER CLEANING AND PRETREATING.
1.	SHOP PRIMER: MANUFACTURER'S STANDARD, FAST-CURING, LEAD- AND CHROMATE-FREE PRIMER COMPLYING WITH ANSI/SDI A250.10 ACCEPTANCE CRITERIA; RECOMMENDED BY PRIMER MANUFACTURER FOR SUBSTRATE; COMPATIBLE WITH SUBSTRATE AND FIELD-APPLIED COATINGS DESPITE PROLONGED EXPOSURE.
B.	FACTORY-APPLIED PAINT FINISH: MANUFACTURER'S STANDARD, COMPLYING WITH ANSI/SDI A250.3 FOR PERFORMANCE AND ACCEPTANCE CRITERIA.
1.6	COLOR AND GLOSS: AS INDICATED BY MANUFACTURER'S DESIGNATIONS.
END OF SECTION 08345	

FINISHES

SECTION 092900 - GYPSUM BOARD	
1.1	SUMMARY
A.	INTERIOR GYPSUM BOARD.
B.	TILE BACKING PANELS.
1.2	SUBMITTALS
A.	PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
B.	SAMPLES: FOR THE FOLLOWING PRODUCTS:
1.	TEXTURED FINISHES: MANUFACTURER'S STANDARD SIZE FOR EACH TEXTURED FINISH INDICATED AND ON SAME BACKING INDICATED FOR WORK.
1.3	MATERIALS
A.	INTERIOR GYPSUM BOARD:
1.	GENERAL: COMPLYING WITH ASTM C 36/C 36M OR ASTM C 1396/C 1396M, AS APPLICABLE TO TYPE OF GYPSUM BOARD INDICATED AND WHICHEVER IS MORE STRINGENT.
a.	MUST BE CERTIFIED AS LOW EMITTING. CERTIFICATION MUST BE BASED UPON THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES' "STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS", INCLUDING 2004 ADDENDA OR A JURISDICTIONALLY RECOGNIZED STANDARD USING EQUIVALENT TESTING METHODOLOGIES AND VOC THRESHOLDS.
2.	TYPE X:
a.	THICKNESS: 5/8 INCH (15.9 MM).
b.	LONG EDGES: TAPERED.
3.	MOISTURE- AND MOLD-RESISTANT TYPE: WITH MOISTURE- AND MOLD-RESISTANT CORE AND SURFACES.
a.	CORE: 5/8 INCH (15.9 MM), TYPE X.
b.	LONG EDGES: TAPERED.
c.	MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.
B.	TILE-BACKING PANELS:
1.	GLASS-MAT, WATER-RESISTANT BACKING BOARD:
a.	ASTM C 1178/C 1178M, WITH MANUFACTURER'S STANDARD EDGES.
a.	MUST BE CERTIFIED AS LOW EMITTING. CERTIFICATION MUST BE BASED UPON THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES' "STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS", INCLUDING 2004 ADDENDA OR A JURISDICTIONALLY RECOGNIZED STANDARD USING EQUIVALENT TESTING METHODOLOGIES AND VOC THRESHOLDS.
b.	CORE: 5/8 INCH (15.9 MM), TYPE X.
c.	MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.
2.	CEMENTITIOUS BACKER UNITS: ANSI A118.9 AND ASTM C 1288 OR 1325, WITH MANUFACTURER'S STANDARD EDGES.
a.	THICKNESS: AS INDICATED .
b.	MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.
C.	TRIM ACCESSORIES:
a.	INTERIOR: CORNERBEAD.
END OF SECTION 092900	

FINISHES (CONTINUED)

SECTION 093000 - CERAMIC TILE	
1.1	SUMMARY
A.	PAVER, GLAZED, AND WALL TILE.
B.	WATERPROOF MEMBRANE FOR THIN-SET TILE INSTALLATIONS.
C.	METAL EDGE STRIPS INSTALLED AS PART OF TILE INSTALLATIONS.
1.2	QUALITY ASSURANCE
A.	MOCKUPS FOR EACH FORM OF CONSTRUCTION.
1.3	MATERIALS
A.	GLAZED WALL TILE TRIM SHAPES: COVED BASE, BULLNOSE CAP.
B.	THRESHOLDS: SATIN ANODIZED ALUMINUM THRESHOLDS AND TRANSITION STRIPS
1.	BEVEL EDGES AT 1:2 SLOPE, WITH LOWER EDGE OF BEVEL ALIGNED WITH OR UP TO 1/16 INCH (1.5 MM) ABOVE ADJACENT FLOOR SURFACE. FINISH BEVEL TO MATCH TOP SURFACE OF THRESHOLD. LIMIT HEIGHT OF THRESHOLD TO 1/2 INCH (12.7 MM) OR LESS ABOVE ADJACENT FLOOR SURFACE.
C.	MORTAR: LATEX-PORTLAND CEMENT
D.	ELASTOMERIC SEALANTS: ONE-PART, MILDEW-RESISTANT SILICONE.
1.	SEALANTS SHALL HAVE A VOC CONTENT OF [250] <INSERT VALUE> G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
1.4	FLOOR TILE INSTALLATION SCHEDULE
A.	INTERIOR FLOORS ON CONCRETE: THIN-SET MORTAR.
1.	TILE TYPE: UNGLAZED PAVER TILE.
2.	MORTAR: LATEX- PORTLAND CEMENT MORTAR BOND COAT.
3.	GROUT: POLYMER-MODIFIED UNSANDED 100% SOLIDS EPOXY NON-SAGGING GROUT.
B.	INTERIOR FLOORS ON WATERPROOF MEMBRANE OVER CONCRETE AND WOOD: THIN-SET MORTAR.
1.	TILE TYPE: UNGLAZED PAVER TILE.
2.	MORTAR: LATEX- PORTLAND CEMENT MORTAR BOND COAT.
3.	GROUT: POLYMER-MODIFIED UNSANDED 100% SOLIDS EPOXY NON-SAGGING GROUT.
1.5	WALL TILE INSTALLATION SCHEDULE
A.	INTERIOR WALLS OVER GLASS-MAT WATER-RESISTANT BACKER BOARD OR CEMENTITIOUS BACKER UNITS: THIN-SET MORTAR.
1.	TILE TYPE: GLAZED WALL TILE.
2.	MORTAR: LATEX- PORTLAND CEMENT MORTAR.
3.	GROUT: POLYMER-MODIFIED UNSANDED GROUT.
END OF SECTION 093000	

SECTION 095113 - ACOUSTICAL PANEL CEILINGS

1.1	SUMMARY
A.	ACOUSTICAL PANELS AND EXPOSED SUSPENSION SYSTEMS.
1.2	SUBMITTALS
A.	PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED, COORDINATION DRAWINGS: REFLECTED CEILING PLANS, DRAWN TO SCALE, ON WHICH THE FOLLOWING ITEMS ARE SHOWN AND COORDINATED WITH EACH OTHER, BASED ON INPUT FROM INSTALLERS OF THE ITEMS INVOLVED:
1.	CEILING SUSPENSION SYSTEM MEMBERS.
2.	METHOD OF ATTACHING HANGERS TO BUILDING STRUCTURE.
3.	CEILING-MOUNTED ITEMS INCLUDING LIGHTING FIXTURES, DIFFUSERS, GRILLES, SPEAKERS, SPRINKLERS, ACCESS PANELS, AND SPECIAL MOLDINGS.
C.	SAMPLES FOR VERIFICATION: FOR EACH COMPONENT INDICATED AND FOR EACH EXPOSED FINISH REQUIRED, PREPARED ON SAMPLES OF SIZE INDICATED BELOW.
1.	ACOUSTICAL PANEL: SET OF FULL-SIZE SAMPLES OF EACH TYPE, COLOR, PATTERN, AND TEXTURE.
2.	EXPOSED SUSPENSION SYSTEM MEMBERS, MOLDINGS, AND TRIM: SET OF 12 INCH (300 MM) LONG SAMPLES OF EACH TYPE, FINISH, AND COLOR.
D.	QUALIFICATION DATA: FOR TESTING AGENCY.
E.	FIELD QUALITY-CONTROL TEST REPORTS.
F.	PRODUCT TEST REPORTS: BASED ON EVALUATION OF COMPREHENSIVE TESTS PERFORMED BY A QUALIFIED TESTING AGENCY, FOR EACH ACOUSTICAL PANEL CEILING.
G.	MAINTENANCE DATA: FOR FINISHES TO INCLUDE IN MAINTENANCE MANUALS.
1.3	QUALITY ASSURANCE
A.	ACOUSTICAL PANEL QUALITY STANDARD: ASTM E 1264.
B.	METAL SUSPENSION SYSTEM QUALITY STANDARD: ASTM C 635.
1.4	MATERIALS
A.	ACOUSTICAL CEILING PANELS GENERAL: MUST BE CERTIFIED AS LOW EMITTING. CERTIFICATION MUST BE BASED UPON THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES' "STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS", INCLUDING 2004 ADDENDA OR A JURISDICTIONALLY RECOGNIZED STANDARD USING EQUIVALENT TESTING METHODOLOGIES AND VOC THRESHOLDS.
B.	ACOUSTICAL CEILING PANELS WASHABLE
1.	CLASSIFICATION: TYPE IV, MINERAL BASE WITH MEMBRANE-FACED OVERLAY; FORM 2, WATER FELTED; WITH VINYL OVERLAY ON FACE; PATTERN G (SMOOTH).
2.	COLOR: AS INDICATED ON DRAWINGS.
3.	THICKNESS: 5/8 INCH (15 MM).
4.	MODULAR SIZE: 24 BY 48 INCHES (610 BY 1220 MM).
5.	BROAD SPECTRUM ANTIMICROBIAL FUNGICIDE AND BACTERICIDE TREATMENT: PROVIDE ACOUSTICAL TILES TREATED WITH MANUFACTURER'S STANDARD ANTIMICROBIAL FORMULATION THAT INHIBITS FUNGUS, MOLD, MILDEW, AND GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA AND SHOWING NO MOLD, MILDEW, OR BACTERIAL GROWTH WHEN TESTED ACCORDING TO ASTM D 3273 AND EVALUATED ACCORDING TO ASTM D 3274 OR ASTM G 21.
C.	ACOUSTICAL CEILING PANELS TEXTURED:
1.	CLASSIFICATION: TYPE III, MINERAL BASE WITH PAINTED FINISH; FORM 2, WATER FELTED; PATTERN E (LIGHTLY TEXTURED).
2.	COLOR: AS INDICATED ON DRAWINGS.
3.	THICKNESS: 5/8 INCH (15 MM).
4.	MODULAR SIZE: 24 BY 48 INCHES (610 BY 1220 MM).
5.	BROAD SPECTRUM ANTIMICROBIAL FUNGICIDE AND BACTERICIDE TREATMENT: PROVIDE ACOUSTICAL TILES TREATED WITH MANUFACTURER'S STANDARD ANTIMICROBIAL FORMULATION THAT INHIBITS FUNGUS, MOLD, MILDEW, AND GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA AND SHOWING NO MOLD, MILDEW, OR BACTERIAL GROWTH WHEN TESTED ACCORDING TO ASTM D 3273 AND EVALUATED ACCORDING TO ASTM D 3274 OR ASTM G 21.
D.	ACOUSTICAL CEILING PANELS PERFORATED:
1.	CLASSIFICATION: TYPE III, MINERAL BASE WITH PAINTED FINISH; FORM 2, WATER FELTED; PATTERN CE (PERFORATED, SMALL HOLES AND LIGHTLY TEXTURED).
2.	COLOR: AS INDICATED ON DRAWINGS.
3.	THICKNESS: 3/4 INCH (15 MM).
4.	MODULAR SIZE: 24 BY 48 INCHES (610 BY 1220 MM).
5.	BROAD SPECTRUM ANTIMICROBIAL FUNGICIDE AND BACTERICIDE TREATMENT: PROVIDE ACOUSTICAL TILES TREATED WITH MANUFACTURER'S STANDARD ANTIMICROBIAL FORMULATION THAT INHIBITS FUNGUS, MOLD, MILDEW, AND GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA AND SHOWING NO MOLD, MILDEW, OR BACTERIAL GROWTH WHEN TESTED ACCORDING TO ASTM D 3273 AND EVALUATED ACCORDING TO ASTM D 3274 OR ASTM G 21.
E.	METAL SUSPENSION SYSTEMS:
1.	WIDE-FACE, CAPPED, DOUBLE-WEB STEEL: INTERMEDIATE DUTY.
2.	METAL EDGE MOLDINGS AND TRIM: ROLL-FORMED SHEET METAL.
1.5	INSTALLATION
A.	INSTALLATION: [ASTM C 636] [UBC STANDARD 25-2] .
1.6	FIELD QUALITY CONTROL
A.	TESTING: BY [OWNER] [CONTRACTOR] -ENGAGED AGENCY TO TEST ACOUSTICAL PANEL CEILING HANGER FASTENERS.
END OF SECTION 095113	

FINISHES (CONTINUED)

SECTION 097200 - WALL COVERINGS	
1.1	SUMMARY
A.	VINYL AND WOVEN GLASS-FIBER WALL COVERING.
1.2	MATERIALS
A.	ADHESIVE: MILDEW-RESISTANT, NONSTAINING, STRIPPABLE ADHESIVE, FOR USE WITH SPECIFIC WALL COVERING AND SUBSTRATE APPLICATION; AS RECOMMENDED IN WRITING BY WALL COVERING MANUFACTURER, AND WITH A VOC CONTENT OF 50 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
1.3	INSTALLATION
A.	INSTALL STRIPS IN SAME ORDER AS CUT FROM ROLL.
END OF SECTION 097200	
SECTION 099123 - INTERIOR PAINTING	
1.1	SUMMARY
A.	SURFACE PREPARATION AND THE APPLICATION OF PAINT SYSTEMS ON INTERIOR SUBSTRATES.
1.2	SUBMITTALS
A.	SAMPLES FOR VERIFICATION:
1.	FOR EACH NON-STANDARD LATEX TOPCOAT COLOR AND GLOSS INDICATED.
2.	FOR EACH TYPE OF NON-STANDARD PAINT SYSTEM AND IN EACH COLOR AND GLOSS OF TOPCOAT INDICATED.
1.3	QUALITY ASSURANCE
A.	QUALITY STANDARDS: "MPI APPROVED PRODUCTS LIST" AND "MPI ARCHITECTURAL PAINTING SPECIFICATION MANUAL."
B.	MOCKUPS FOR EACH COLOR AND FINISH.
1.4	GENERAL
A.	VOC CONTENT: PRODUCTS SHALL COMPLY WITH VOC LIMITS OF AUTHORITIES HAVING JURISDICTION [AND, FOR INTERIOR PAINTS AND COATINGS APPLIED AT PROJECT SITE, THE FOLLOWING VOC LIMITS, EXCLUSIVE OF COLORANTS ADDED TO A TINT BASE, WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24)]:
1.	FLAT PAINTS AND COATINGS: 50 G/L
2.	NONFLAT PAINTS AND COATINGS: 150 G/L
3.	DRY-FOG COATINGS: 400 G/L
4.	PRIMERS, SEALERS, AND UNDERCOATERS: 200 G/L
5.	ANTICORROSIVE AND ANTRUST PAINTS APPLIED TO FERROUS METALS: 250 G/L
6.	ZINC-RICH INDUSTRIAL MAINTENANCE PRIMERS: 340 G/L
7.	PRETREATMENT WASH PRIMERS: 420 G/L
8.	FLOOR COATINGS: 100 G/L
9.	SHELLACS, CLEAR: 730 G/L
10.	SHELLACS, PIGMENTED: 550 G/L.
1.5	INTERIOR PAINTING SCHEDULE
A.	STEEL SUBSTRATES:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: PRIMER, RUST-INHIBITIVE, WATER BASED.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
B.	GALVANIZED-METAL SUBSTRATES:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: PRIMER, GALVANIZED, WATER BASED.
b.	TOPCOAT: LATEX, INTERIOR, INSTITUTIONAL LOW ODOR VOC, (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
C.	WOOD SUBSTRATES:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: INTERIOR LATEX PRIMER/SEALER.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
D.	GYPSUM BOARD SUBSTRATES:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: INTERIOR LATEX PRIMER/SEALER.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
E.	HIGH-IMPACT GYPSUM BOARD SUBSTRATES:
1.	HIGH-PERFORMANCE ARCHITECTURAL LATEX SYSTEM:
a.	PRIME COAT: INTERIOR LATEX PRIMER/SEALER.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
F.	PLASTER SUBSTRATES:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: INTERIOR LATEX PRIMER/SEALER.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
G.	ACOUSTICAL CEILING TILE:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: INTERIOR LATEX PRIMER/SEALER.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
END OF SECTION 099123	
SECTION 099300 - WOOD STAINS AND TRANSPARENT FINISHES	
1.1	SUMMARY
A.	SURFACE PREPARATION AND APPLICATION OF WOOD FINISHES ON INTERIOR SUBSTRATES.
1.2	SUBMITTALS
A.	SAMPLES FOR VERIFICATION: FOR EACH TYPE OF FINISH SYSTEM AND IN EACH COLOR AND GLOSS OF FINISH INDICATED.
1.3	QUALITY ASSURANCE
A.	QUALITY STANDARDS: "MPI APPROVED PRODUCTS LIST" AND "MPI ARCHITECTURAL PAINTING SPECIFICATION MANUAL."
1.4	GENERAL
A.	CHEMICAL COMPONENTS OF FIELD-APPLIED INTERIOR PAINTS AND COATINGS:
1.	VOC LIMITS:
a.	CLEAR WOOD FINISHES, VARNISHES: VOC NOT MORE THAN 350 G/L.
b.	SHELLACS, CLEAR: VOC NOT MORE THAN 730 G/L.
c.	STAINS: VOC NOT MORE THAN 250 G/L.
d.	PRIMERS, SEALERS, AND UNDERCOATERS: 200 G/L.
e.	FIRE RETARDANT COATINGS, CLEAR: 650 G/L.
f.	FIRE RETARDANT COATINGS, PIGMENTED: 350 G/L.
1.5	EXTERIOR WOOD-FINISH-SYSTEM SCHEDULE
A.	SOLID-COLOR LATEX STAIN SYSTEM: MPI EXT 6.3K.
1.	PRIME COAT: PRIMER, LATEX FOR EXTERIOR WOOD.
2.	INTERMEDIATE COAT: STAIN, EXTERIOR, WATER BASED, SOLID HIDE.
3.	MATCHING TOPCOAT.
B.	SEMITRANSSPARENT STAIN SYSTEM: MPI EXT 6.3D.
1.	TWO STAIN COATS: EXTERIOR SEMITRANSSPARENT LATEX STAIN.
2.	MATCHING TOPCOAT.
A.	SEMITRANSSPARENT STAIN SYSTEM:
1.	PRIME COAT: STAIN, SEMI-TRANSPARENT, MATCHING TOPCOAT.
2.	TOPCOAT: STAIN, SEMI-TRANSPARENT, FOR INTERIOR WOOD.
B.	WATER-BASED VARNISH SYSTEM:
a.	PRIME COAT: WATER-BASED VARNISH MATCHING TOPCOAT.
b.	INTERMEDIATE COAT: WATER-BASED VARNISH MATCHING TOPCOAT.
c.	TOPCOAT: VARNISH, WATER BASED, CLEAR.
C.	WATER-BASED FIRE RETARDANT SYSTEM:
a.	TOPCOAT: FIRE RETARDANT COATING, CLEAR.
1.	CLASS A FLAME SPREAD AND SMOKE-DEVELOPED INDEX PER ASTM E 84.
END OF SECTION 099300	



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