FINISHES

SECTION 09216 - NON-LOAD-BEARING STEEL FRAMING

1.1 SUMMARY
- A. NON-LOAD-BEARING STEEL FRAMING MEMBERS FOR INTERIOR FRAMING SYSTEMS.

1.2 MATERIALS
- A. STEEL FRAMING FOR FRAMED ASSEMBLIES:
- B. FRAMING MEMBERS, GENERAL: COMPLY WITH ASTM C 754 FOR CONDITIONS INDICATED.
  1. STEEL SHEET COMPONENTS: COMPLY WITH ASTM C 645 REQUIREMENTS FOR METAL, UNLESS OTHERWISE INDICATED.
  2. PROTECTIVE COATING: COATING WITH EQUIVALENT CORROSION RESISTANCE OF ASTM A 653/A 653M, G40 (Z120), HOT-DIP GALVANIZED, UNLESS OTHERWISE INDICATED.

1.3 STEEL FRAMING FOR FRAMED ASSEMBLIES
- A. SALVAGED MATERIAL: USE SALVAGED FRAMING MATERIALS WHENEVER AVAILABLE.
- B. STEEL STUDS AND RUNNERS: ASTM C 645.
  1. MINIMUM BASE-METAL THICKNESS: 0.033 INCH (0.84 MM) UNLESS OTHERWISE INDICATED ON DRAWINGS.
  2. DEPTH: AS INDICATED ON DRAWINGS.
- C. DIMPLED STEEL STUDS AND RUNNERS:
  1. MINIMUM BASE-METAL THICKNESS: 0.025 INCH (0.64 MM).
  2. DEPTH: AS INDICATED ON DRAWINGS.
- D. SLIP-TYPE HEAD JOINTS: WHERE INDICATED, PROVIDE ONE OF THE FOLLOWING:
  1. SINGLE LONG-LEG RUNNER SYSTEM: ASTM C 645 TOP RUNNER WITH 2 INCH (50.8 MM) DEEP FLANGES IN THICKNESS NOT LESS THAN INDICATED FOR STUDS, INSTALLED WITH STUDS FRICTION FIT INTO TOP RUNNER AND WITH CONTINUOUS BRIDGING LOCATED WITHIN 12 INCHES (305 MM) OF THE TOP OF STUDS TO PROVIDE LATERAL BRACING.
  2. DOUBLE-RUNNER SYSTEM: ASTM C 645 TOP RUNNERS, INSIDE RUNNER WITH 2 INCH (50.8 MM) DEEP FLANGES IN THICKNESS NOT LESS THAN INDICATED FOR STUDS AND FASTENED TO STUDS, AND OUTER RUNNER SIZED TO FRICTION FIT INSIDE RUNNER.
  3. DEFLECTION TRACK: STEEL SHEET TOP RUNNER MANUFACTURED TO PREVENT CRACKING OF FINISHES APPLIED TO INTERIOR PARTITION FRAMING RESULTING FROM DEFLECTION OF STRUCTURE ABOVE; IN THICKNESS NOT LESS THAN INDICATED FOR STUDS AND IN WIDTH TO ACCOMMODATE DEPTH OF STUDS.
- E. COLD-ROLLED CHANNEL BRIDGING: 0.0538 INCH (1.37 MM) BARE-STEEL THICKNESS, WITH MINIMUM 1/2 INCH (12.7 MM) WIDE FLANGES.
  1. DEPTH: 1-1/2 INCHES (38.1 MM).
  2. CLIP ANGLE: NOT LESS THAN 1-1/2 BY 1-1/2 INCHES (38.1 BY 38.1 MM), 0.068 INCH (1.73 MM) THICK, GALVANIZED STEEL.
- F. HAT-SHAPED, RIGID FURRING CHANNELS: ASTM C 645.
  1. MINIMUM BASE METAL THICKNESS: AS INDICATED ON DRAWINGS.
  2. DEPTH: AS INDICATED ON DRAWINGS.
- G. COLD-ROLLED FURRING CHANNELS: 0.0538 INCH (1.37 MM) BARE-STEEL THICKNESS, WITH MINIMUM 1/2 INCH (12.7 MM) WIDE FLANGES.
  1. DEPTH: AS INDICATED ON DRAWINGS.
  2. FURRING BRACKETS: ADJUSTABLE, CORRUGATED-EDGE TYPE OF STEEL SHEET WITH MINIMUM BARE-STEEL THICKNESS OF 0.0312 INCH (0.79 MM).
  3. TIE WIRE: ASTM A 641/A 641M, CLASS 1 ZINC COATING, SOFT TEMPER, 0.0625 INCH (1.59 MM) DIAMETER WIRE, OR DOUBLE STRAND OF 0.0475 INCH (1.21 MM) DIAMETER WIRE.
- H. Z-SHAPED FURRING: WITH SLOTTED OR NONSLOTTED WEB, FACE FLANGE OF 1-1/4 INCHES (31.8 MM), WALL ATTACHMENT FLANGE OF 7/8 INCH (22.2 MM), MINIMUM BARE-METAL THICKNESS OF 0.0179 INCH (0.45 MM), AND DEPTH REQUIRED TO FIT INSULATION THICKNESS INDICATED.

END OF SECTION 09216

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 VALENT 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: 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: [1/4 INCH (6.4 MM)] AS INDICATED].
     b. MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.
- C. TRIM ACCESSORIES:
  a. INTERIOR: CORNER BEAD.

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] [CRACK-SUPPRESSION] 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: [UNGLAZED CERAMIC MOSAIC] [GLAZED CERAMIC MOSAIC] [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.
- B. 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.
- F. 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 096400 - WOOD FLOORING

1.1 SUMMARY
- A. [FACTORY-] [FIELD-]FINISHED WOOD FLOORING.

1.2 PERFORMANCE REQUIREMENTS
- A. FLOORSCORE COMPLIANCE: COMPOSITE WOOD FLOORS SHALL COMPLY WITH REQUIREMENTS OF FLOORSCORE STANDARD.

1.3 MATERIALS
- A. ACCESSORIES:
  1. WOOD FLOORING ADHESIVE: VOC LIMITS: 100 G/L.

END OF SECTION 096400

SECTION 096516 - RESILIENT SHEET FLOORING

1.1 PRODUCTS
- A. FLOORING SYSTEM: FLOORSCORE COMPLIANCE.
- B. VINYL SHEET FLOORING:
  1. BACKING: NONE, UNBACKED [NONFOAMED PLASTIC] [FOAMED PLASTIC].
  2. SEAMLESS-INSTALLATION METHOD: HEAT WELDED.
- C. RUBBER SHEET FLOORING:
  1. BACKING: NONE, UNBACKED.
  2. SEAMLESS-INSTALLATION METHOD: HEAT WELDED.
- D. INSTALLATION MATERIALS:
- E. TROWELABLE LEVELING AND PATCHING COMPOUNDS: LATEX-MODIFIED, PORTLAND CEMENT BASED OR BLENDED HYDRAULIC-CEMENT-BASED FORMULATION PROVIDED OR APPROVED BY RESILIENT SHEET FLOORING MANUFACTURER FOR APPLICATIONS INDICATED.
- F. ADHESIVES: WATER-RESISTANT TYPE RECOMMENDED BY FLOORING AND ADHESIVE MANUFACTURERS TO SUIT RESILIENT SHEET FLOORING AND SUBSTRATE CONDITIONS INDICATED.
  1. VINYL SHEET ADHESIVES SHALL HAVE A VOC CONTENT OF 50 G/L OR LESS.
  2. RUBBER SHEET ADHESIVES SHALL HAVE A VOC CONTENT OF 60 G/L OR LESS.
- G. INTEGRAL-FLASH-COVE-BASE ACCESSORIES:
  1. COVE STRIP: 1 INCH (25 MM) RADIUS PROVIDED OR APPROVED BY RESILIENT SHEET FLOORING MANUFACTURER.
  2. CAP STRIP: [SQUARE METAL, VINYL OR RUBBER CAP] [TAPERED VINYL CAP] <INSERT REQUIREMENTS> PROVIDED OR APPROVED BY RESILIENT SHEET FLOORING MANUFACTURER.
  3. FLOOR POLISH: PROVIDE PROTECTIVE, LIQUID FLOOR-POLISH PRODUCTS RECOMMENDED BY RESILIENT SHEET FLOORING MANUFACTURER.

END OF SECTION 096516

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 2

1.3 INSTALLATION
- A. INSTALL STRIPS IN SAME ORDER AS CUT FROM ROLL.

END OF SECTION 0972

SECTION 099123 - INTERIOR PAINTING

1.1 SUMMARY
- A. SURFACE PREPARATION AND 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 ANTIRUST 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

FINISHES (CONTINUED)

SECTION 09930 - WOOD STAINS AND TRANSPARENT FINISHES

1.1 SUMMARY
- A. SURFACE PREPARATION AND APPLICATION OF WOOD FINISHES ON [EXTERIOR] [AND] [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, MATCHING TOPCOAT.
  3. TOPCOAT: STAIN, EXTERIOR, WATER BASED, SOLID HIDE.
- B. SEMITRANSPARENT STAIN SYSTEM: MPI EXT 6.3
  1. TWO STAIN COATS: EXTERIOR SEMI-TRANSPARENT LATEX STAIN.

1.6 INTERIOR WOOD-FINISH-SYSTEM SCHEDULE
- A. SEMITRANSPARENT 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.
  b. CLASS A FLAME SPREAD AND SMOKE-DEVELOPED INDEX PER ASTM E 84.

END OF SECTION 09930

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SHEET TITLE: CONSTRUCTION SPECIFICATIONS
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