

WOOD AND PLASTICS (CONTINUED)

SECTION 064000 - INTERIOR ARCHITECTURAL WOODWORK

- 1.1 SUMMARY
A. INTERIOR STANDING AND RUNNING TRIM
B. FLUSH WOOD PANELING AND WAINSCOTS
C. MELAMINE CABINETS
D. SOLID-SURFACING-MATERIAL COUNTERTOPS
E. CLOSET AND UTILITY SHELVING
1.2 QUALITY ASSURANCE
A. QUALITY STANDARD: AWI
1.3 MATERIALS
A. WOOD PRODUCTS: COMPLY WITH THE FOLLOWING:
1. HARDBOARD: AHA A135.4, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE
2. MEDIUM-DENSITY FIBERBOARD: ANSI A208.2, GRADE 130, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE
3. MOISTURE RESISTANT MEDIUM-DENSITY FIBERBOARD: ANSI A208.2, GRADE MD, MR50, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE
4. STRAW-BASED PARTICLEBOARD: ANSI A208.1, GRADE M-2, EXCEPT FOR DENSITY, MADE WITH ADHESIVE CONTAINING NO UREA FORMALDEHYDE
5. SOFTWOOD PLYWOOD: DDC PS 1
6. VENEER-FACED PANEL PRODUCTS (HARDWOOD PLYWOOD): HPVA HP-1, MADE WITH ADHESIVE CONTAINING NO UREA FORMALDEHYDE
B. ADHESIVES: GENERAL: DO NOT USE ADHESIVES THAT CONTAIN UREA FORMALDEHYDE
C. VOC LIMITS FOR INSTALLATION ADHESIVES AND GLUES: USE INSTALLATION ADHESIVES THAT COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24):
1. WOOD GLUES: 30 G/L
2. PANEL ADHESIVE: 50 G/L
3. MULTIPURPOSE CONSTRUCTION ADHESIVE: 70 G/L
4. CONTACT ADHESIVE: 80 G/L
a. SPECIAL PURPOSE: 250 G/L
D. CLOSET AND UTILITY SHELVING:
1. GRADE: ECONOMY
2. SHELF MATERIAL: 3/4 INCH (19 MM) THERMOSET DECORATIVE PANEL WITH PVC OR POLYESTER EDGE BANDING
3. CLEATS: 3/4 INCH (19 MM) PANEL PRODUCT
E. SHOP FINISHING:
1. GRADE: SAME GRADE AS WOODWORK
2. EXTENT: ALL WOODWORK SHOP FINISHED
1.4 INSTALLATION
A. SCRIBE AND CUT MILLWORK TO FIT ADJOINING WORK, REFINISH CUT SURFACES, AND REPAIR DAMAGED FINISH AT CUTS
B. ANCHOR MILLWORK TO ANCHORS OR BLOCKING BUILT IN OR DIRECTLY ATTACHED TO SUBSTRATES. SECURE WITH COUNTERSCREWS CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR COMPLETE INSTALLATION. USE FINE FINISHING NAILS OR FINISHING SCREWS FOR EXPOSED FASTENING, COUNTERSINK AND FILLED FLUSH WITH MILLWORK AND MATCHING FINAL FINISH IF TRANSPARENT FINISH IS INDICATED
C. CABINETS: INSTALL WITHOUT DISTORTION SO DOORS AND DRAWERS FIT OPENINGS PROPERLY AND ARE ACCURATELY ALIGNED. ADJUST HARDWARE TO CENTER DOORS AND DRAWERS IN OPENINGS AND TO PROVIDE UNENCUMBERED OPERATION. COMPLETE INSTALLATION OF HARDWARE AND ACCESSORY ITEMS AS INDICATED
1. INSTALL CABINETS WITH NO MORE THAN 1/8 INCH IN 96 INCH (3 MM IN 2400 MM) SAG, BOW, OR OTHER VARIATION FROM A STRAIGHT LINE
D. COUNTERTOPS: ANCHOR SECURELY BY SCREWING THROUGH CORNER BLOCKS OF BASE CABINETS OR OTHER SUPPORTS INTO UNDERSIDE OF COUNTERTOP
1. ALIGN ADJACENT SOLID-SURFACING-MATERIAL COUNTERTOPS AND FORM SEAMS TO COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS USING ADHESIVE IN COLOR TO MATCH COUNTERTOP. CAREFULLY DRESS JOINTS TO MATCH, REMOVE SURFACE SCRATCHES, AND CLEAN ENTIRE SURFACE
2. INSTALL COUNTERTOPS WITH NO MORE THAN 1/8 INCH IN 96 INCH (3 MM IN 2400 MM) SAG, BOW, OR OTHER VARIATION FROM A STRAIGHT LINE
3. SECURE COVERED BACKSPLASHES TO TOPS PER MANUFACTURER'S FABRICATION MANUAL AND TO WALLS WITH ADHESIVE
4. CALK SPACE BETWEEN BACKSPLASH AND WALL WITH SEALANT SPECIFIED IN DIVISION 7 SECTION "JOINT SEALANTS."
END OF SECTION 064000

SECTION 064400 - PLASTIC PANELING

- 1.1 SUMMARY
A. SECTION INCLUDES THE FOLLOWING:
1. GLASS-FIBER REINFORCED PLASTIC (FRP) WALL PANELING
2. MOLDING, ADHESIVES, AND JOINT SEALANTS
1.2 PLASTIC SHEET PANELING
A. GLASS-FIBER REINFORCED PLASTIC PANELING: GELCOAT-FINISHED, GLASS-FIBER REINFORCED PLASTIC PANELS COMPLYING WITH ASTM D 5319
1. LOW-EMITTING MATERIALS: PANELING SHALL COMPLY WITH THE TESTING AND PRODUCT REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES' "STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS."
2. NOMINAL THICKNESS: NOT LESS THAN 0.09 INCHES
3. COLOR: WHITE
4. MOLDING COLOR: WHITE
5. SURFACE FINISH: MOLDED PEBBLE TEXTURE
B. UNREINFORCED POLYPROPYLENE PANELING: SOLID POLYPROPYLENE PANELS MADE FROM NO LESS THAN 80 PERCENT RECYCLED MATERIAL
1. LOW-EMITTING MATERIALS: PANELING SHALL COMPLY WITH THE TESTING AND PRODUCT REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S (FORMERLY, THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES)' "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS."
2. NOMINAL THICKNESS: NOT LESS THAN 0.09 INCHES
3. COLOR: WHITE
4. MOLDING COLOR: WHITE
5. SURFACE FINISH: MOLDED PEBBLE TEXTURE
1.3 ADHESIVES
A. AS RECOMMENDED BY PLASTIC PANELING MANUFACTURER
1. VOC LIMIT: 50 G/L
1.4 ACCESSORIES
A. TRIM ACCESSORIES: MANUFACTURER'S STANDARD ONE-PIECE VINYL EXTRUSIONS DESIGNED TO RETAIN AND COVER EDGES OF PANELS. PROVIDE DIVISION BARS, INSIDE CORNERS, OUTSIDE CORNERS, AND CAPS AS NEEDED TO CONCEAL EDGES
1. COLOR: WHITE
END OF SECTION 064400

THERMAL AND MOISTURE PROTECTION

SECTION 07841 - THROUGH-PENETRATION FIRESTOP SYSTEMS

- 1.1 SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED
1.2 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: AN FM GLOBAL-APPROVED FIRESTOP CONTRACTOR OR A UL-QUALIFIED FIRESTOP CONTRACTOR
B. FIRE-TEST-RESPONSE CHARACTERISTICS: TESTED PER ASTM E 814 BY QUALIFIED TESTING AND INSPECTING AGENCY
1.3 PENETRATION FIRESTOPPING
A. PENETRATIONS IN FIRE-RESISTANCE-RATED WALLS: F-RATINGS PER ASTM E 814 OR UL 1479
B. PENETRATIONS IN HORIZONTAL ASSEMBLIES: F- AND T-RATINGS PER ASTM E 814 OR UL 1479
C. PENETRATIONS IN SMOKE BARRIERS: L-RATINGS PER UL 1479
D. W-RATINGS: PER UL 1479
E. 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
1.4 INSTALLATION
A. IDENTIFICATION: PREPRINTED METAL OR PLASTIC LABELS, PERMANENTLY ATTACHED
1.5 FIELD QUALITY CONTROL
A. INSPECTION OF INSTALLED FIRESTOP SYSTEMS: BY OWNER-ENGAGED AGENCY ACCORDING TO ASTM E 2174 REQUIREMENTS
END OF SECTION 07841

SECTION 078446 - FIRE-RESISTIVE JOINT SYSTEMS

- 1.1 SUMMARY
A. FIRE-RESISTIVE JOINT SYSTEMS FOR THE FOLLOWING:
1. JOINTS IN OR BETWEEN FIRE-RESISTANCE-RATED CONSTRUCTIONS
2. JOINTS AT EXTERIOR CURTAIN-WALL/FLOOR INTERSECTIONS
3. JOINTS IN SMOKE BARRIERS
1.2 PERFORMANCE REQUIREMENTS
A. FIRE-RESISTANCE RATINGS OF JOINT SYSTEMS IN AND BETWEEN FIRE-RESISTANCE-RATED CONSTRUCTIONS: EQUALING OR EXCEEDING THE FIRE-RESISTANCE RATINGS OF CONSTRUCTION THAT THEY JOIN, [AND WITH MOVEMENT CAPABILITIES INDICATED] AS DETERMINED BY UL 2079
1.3 SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED
1.4 QUALITY ASSURANCE
A. FIRE-TEST-RESPONSE CHARACTERISTICS: TESTED BY QUALIFIED TESTING AND INSPECTING AGENCY
1.5 FIRE-RESISTIVE JOINT SYSTEMS
A. DEFINITION: SYSTEM FOR JOINTS IN OR BETWEEN FIRE-RESISTANCE-RATED CONSTRUCTIONS: ALPHANUMERIC SYSTEMS LISTED IN UL'S "FIRE RESISTANCE DIRECTORY" UNDER PRODUCT CATEGORY XHBN
B. JOINTS IN OR BETWEEN FIRE-RESISTANCE-RATED CONSTRUCTION: EQUAL TO OR EXCEEDING THE FIRE-RESISTANCE RATING OF CONSTRUCTION THEY WILL JOIN
C. JOINTS AT EXTERIOR CURTAIN-WALL/FLOOR INTERSECTIONS: EQUAL TO OR EXCEEDING THE FIRE-RESISTANCE RATING OF THE FLOOR ASSEMBLY
D. JOINTS IN SMOKE BARRIERS:
1. L-RATING: NOT EXCEEDING 5.0 CFM/FT (0.00775 CU. M/S X M) OF JOINT AT 0.30 INCH WG (74.7 PA) AT BOTH AMBIENT AND ELEVATED TEMPERATURES
E. EXPOSED FIRE-RESISTIVE JOINT SYSTEMS: PROVIDE PRODUCTS WITH FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF LESS THAN 25 AND 450, RESPECTIVELY, AS DETERMINED PER ASTM E 84
VOC CONTENT: FIRE-RESISTIVE JOINT SYSTEM SEALANTS SHALL COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24):
1. ARCHITECTURAL SEALANTS: 250 G/L
2. SEALANT PRIMERS FOR NONPOROUS SUBSTRATES: 250 G/L
3. SEALANT PRIMERS FOR POROUS SUBSTRATES: 775 G/L
G. ACCESSORIES: FORMING MATERIALS AND OTHER COMPONENTS NEEDED TO INSTALL FILL MATERIALS AND MAINTAIN RATINGS REQUIRED
END OF SECTION 078446

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 177.2800
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
2. 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
C. DOOR CONSTRUCTION, GENERAL
A. LOW-EMITTING MATERIALS: MADE WITH ADHESIVES AND COMPOSITE WOOD PRODUCTS THAT DO NOT HAVE UNADDED UREA FORMALDEHYDE
B. WDMA I.S. 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

SECTION 08331 - OVERHEAD COILING DOORS

- 1.1 SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE AND SIZE OF OVERHEAD COILING DOOR AND ACCESSORY. INCLUDE THE FOLLOWING:
1. SHOP DRAWINGS: FOR EACH INSTALLATION AND FOR SPECIAL COMPONENTS NOT DIMENSIONED OR DETAILED IN MANUFACTURER'S PRODUCT DATA. INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS, AND ATTACHMENTS TO OTHER WORK
2. DETAIL EQUIPMENT ASSEMBLIES AND INDICATE DIMENSIONS, WEIGHTS, LOADS, REQUIRED CLEARANCES, METHOD OF FIELD ASSEMBLY, COMPONENTS, AND LOCATION AND SIZE OF EACH FIELD CONNECTION
C. SAMPLES FOR INITIAL SELECTION: MANUFACTURER'S FINISH CHARTS SHOWING FULL RANGE OF COLORS AND TEXTURES AVAILABLE FOR UNITS WITH FACTORY-APPLIED FINISHES
1. INCLUDE SIMILAR SAMPLES OF ACCESSORIES INVOLVING COLOR SELECTION
D. SAMPLES FOR VERIFICATION: FOR EACH TYPE OF EXPOSED FINISH REQUIRED, PREPARED ON SAMPLES OF SIZE INDICATED BELOW
1. CURTAIN SLATS: 12 INCHES (305 MM) LONG
2. BOTTOM BAR: 6 INCHES (150 MM) LONG
3. GUIDES: 6 INCHES (150 MM) LONG
4. BRACKETS: 6 INCHES (150 MM) SQUARE
5. HOOD: 6 INCHES (150 MM) SQUARE
E. DELEGATED-DESIGN SUBMITTAL: FOR OVERHEAD COILING DOORS INDICATED TO COMPLY WITH PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA, INCLUDING ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION
1. DETAIL FABRICATION AND ASSEMBLY OF SEISMIC RESTRAINTS
2. SUMMARY OF FORCES AND LOADS ON WALLS AND JAMBS
F. QUALIFICATION DATA: FOR QUALIFIED INSTALLER
G. SEISMIC QUALIFICATION CERTIFICATES: FOR OVERHEAD COILING DOORS, ACCESSORIES, AND COMPONENTS, FROM MANUFACTURER
H. MAINTENANCE DATA: FOR OVERHEAD COILING DOORS TO INCLUDE IN MAINTENANCE MANUALS
1.2 PERFORMANCE REQUIREMENTS
A. OPERATION-CYCLE REQUIREMENTS: PROVIDE OVERHEAD COILING GRILLE COMPONENTS AND OPERATORS CAPABLE OF OPERATING FOR NOT LESS THAN 50,000 CYCLES AND FOR 25 CYCLES PER DAY
1.4 DOOR ASSEMBLY
A. GENERAL: FABRICATE OVERHEAD COILING GRILLE CURTAIN CONSISTING OF A NETWORK OF 5/16 INCH (8 MM) MINIMUM DIAMETER HORIZONTAL RODS, OR RODS COVERED WITH TUBE SPACERS, SPACED AS INDICATED. INTERCONNECT RODS BY VERTICAL LINKS APPROXIMATELY 5/8 INCH (16 MM) WIDE, SPACED AS INDICATED AND ROTATING ON RODS
1. SPACE RODS AT APPROXIMATELY 1-1/2 INCHES (38 MM) O.C.
2. SPACE LINKS APPROXIMATELY 9 INCHES (228 MM) APART IN A STRAIGHT IN-LINE PATTERN
3. ALUMINUM GRILLE CURTAIN: ASTM B 221 (ASTM B 221M), ALLOY AND TEMPER RECOMMENDED BY ALUMINUM PRODUCER AND FINISHER FOR TYPE OF USE AND FINISH INDICATED
B. HOOD: ALUMINUM
C. MANUAL DOOR OPERATOR
1.5 INSTALLATION
A. FACTORY-AUTHORIZED REPRESENTATIVE TO [PERFORM STARTUP SERVICE AND TESTING] [AND] [TRAIN OWNER'S PERSONNEL]
END OF SECTION 08331

FINISHES

SECTION 08345 - DOUBLE ACTING SWING DOORS

- 1.1 SUMMARY
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 ANSIS/DI 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
2. VERTICAL EDGES WITH 2-1/8 INCH (54 MM) RADIUS
3. 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 ANSIS/DI A250.8 FOR LEVEL AND MODEL AND ANSIS/DI 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 ANSIS/DI 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 PRIMERS: MANUFACTURER'S STANDARD, FAST-CURING, LEAD- AND CHROMIATE-FREE PRIMER; COMPLYING WITH ANSIS/DI A250.10 ACCEPTANCE CRITERIA; RECOMMENDED BY PRIMER MANUFACTURER FOR SUBSTRATE; COMPATIBLE WITH SUBSTRATE AND FIELD-APPLIED COATINGS DESPITE PROLONGED EXPOSURE
B. FACTORY-APPLIED FINISH: MANUFACTURER'S STANDARD, COMPLYING WITH ANSIS/DI A250.3 FOR PERFORMANCE AND ACCEPTANCE CRITERIA
1.6 COLOR AND GLOSS: AS INDICATED BY MANUFACTURER'S DESIGNATIONS
END OF SECTION 08345

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 (A653M, G40 (23)), 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 CHANNELS: WITH SLOTTED OR NON-SLOTTED 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



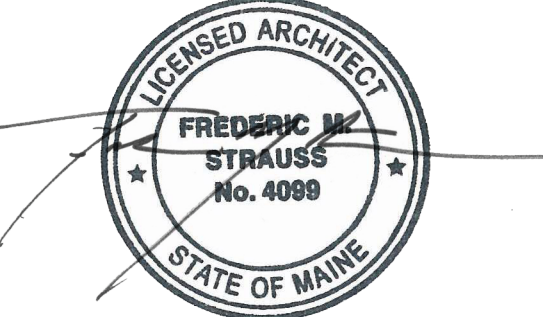
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ME License No. 4099
Architect of Record

Revision Schedule table with columns: Rev, Date, By, Description

PROJECT NAME: NORTHGATE PLAZA

PROJECT ADDRESS: 91 AUBURN STREET, PORTLAND ME 04103

STORE #: 2830
PROJECT #: 22764-021
CONCEPT:
PALETTE:
ISSUE DATE: 12/19/2013
DESIGN MANAGER: Ela Kliger
LEED® AP:
PRODUCTION DESIGNER: AH
CHECKED BY: Allison Stadnyck

SHEET TITLE: DESIGN SPECIFICATIONS
SCALE: 1/4" = 1'-0"

SHEET NUMBER: G-0012