2.02 WOOD-PRESERVATIVE-TREATED LUMBER

A. PRESERVATIVE TREATMENT BY PRESSURE PROCESS: AWPA C2, EXCEPT THAT LUMBER THAT IS NOT IN CONTACT WITH THE GROUND AND IS CONTINUOUSLY PROTECTED FORM LIQUID WATER MAY BE TREATING ACCORDING TO AWPA C31 WITH INORGANIC BORON (SBX).
1. PRESERVATIVE CHEMICALS: ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND CONTAINING NO ARSENIC OR CHROMIUM.
B. KILN-DRY LUMBER AFTER TREATMENT TO A MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
C. MARK LUMBER WITH TREATMENT QUALITY MARK OF AN INSPECTION AGENCY APPROVED BY THE ALSC BOARD OF REVIEW.
D. APPLICATION: TREAT ITEMS INDICATED ON DRAWINGS, AND THE FOLLOWING:
1. WOOD CANTS, NAILERS, CURBS, EQUIPMENT SUPPORT BASES, BLOCKING, STRIPPING, AND SIMILAR MEMBERS IN CONNECTION WITH ROOFING, FLASHING, VAPOR BARRIERS, AND WATERPROOFING.
2. WOOD SILLS, SLEEPERS, BLOCKING, FURRING, STRIPPING, AND SIMILAR CONCEALED MEMBERS IN CONTACT WITH MASONRY OR CONCRETE.
3. WOOD FRAMING AND FURRING ATTACHED DIRECTLY TO THE INTERIOR OF BELOW-GRADE EXTERIOR MASONRY OR CONCRETE WALLS.
4. WOOD FRAMING MEMBERS THAT ARE LESS THAN 18 INCHES ABOVE THE GROUND IN CRAWLSPACES OR UNEXCAVATED AREAS.
5. WOOD FLOOR PLATES THAT ARE INSTALLED OVER CONCRETE SLABS-ON-GRADE.

2.03 FIRE-RETARDANT-TREATED MATERIALS (WHERE REQUIRED BY CONSTRUCTION TYPE)

A. GENERAL: COMPLY WITH PERFORMANCE REQUIREMENTS IN AWPA C20 (LUMBER) AND AWPA C27 (PLYWOOD). FLAME SPREAD SHALL BE 25 OR LESS PER ASTM E84.
1. USE EXTERIOR TYPE FOR EXTERIOR LOCATIONS AND WHERE INDICATED
2. USE INTERIOR TYPE A, HIGH TEMPERATURE (HT) FOR ENCLOSED ROOF FRAMING, FRAMING IN ATTIC SPACES AND WHERE INDICATED.
3. USE INTERIOR TYPE A, UNLESS OTHERWISE INDICATED.
B. IDENTIFY FIRE-RETARDANT-TREATED WOOD WITH APPROPRIATE CLASSIFICATION MARKING OF TESTING AND INSPECTING AGENCY; AND WITH INFORMATION ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

2.04 PLYWOOD BACKING PANELS

A. SHELVING, RESTROOM ACCESSORIES, EQUIPMENT AND MISCELLANEOUS BACKING PANELS: TYPE C-D PLUGGED, IN THICKNESS INDICATED OR IF NOT INDICATED NOT LESS THAN 5/8" NOMINAL THICKNESS.
B. TELEPHONE/ELECTRICAL EQUIPMENT AND BACKING PANELS: DOC PSI EXPOSURE 1, C-D PLUGGED, FIRE RETARDANT TREATED, 3/4" NOMINAL THICKNESS.

2.05 PLYWOOD SHEATHING

A. WALL SHEATHING: DOC PSI EXPOSURE 1, C-D, PLUGGED 32/16 SPAN RATING OF THICKNESS INDICATED BUT NOT LESS THAN 5/8" NOMINAL THICKNESS.

2.06 FASTENERS

A. USE ANCHORS OF SIZE & TYPE SPECIFIED ON DRAWINGS
B. EXTERIOR ANCHORS SHALL BE STAINLESS STEEL COMPLYING WITH ASTM A606, TYPE 304

PART 3 EXECUTION

3.01 INSTALLATION

A. SET ROUGH CARPENTRY TO REQUIRED LEVELS AND LINES, WITH MEMBERS PLUMB, TRUE TO LINE, CUT, AND FITTED. FIT ROUGH CARPENTRY TO OTHER CONSTRUCTION, SCRIBE AND COPE AS NEEDED FOR ACCURATE FIT. LOCATE FURRING, NAILERS, BLOCKING, AND SIMILAR SUPPORTS TO COMPLY WITH REQUIREMENTS FOR ATTACHING OTHER CONSTRUCTION.
B. FRAMING STANDARD: COMPLY WITH AWPA'S "DETAILS FOR CONVENTIONAL WOOD FRAME CONSTRUCTION," UNLESS OTHERWISE INDICATED.
C. METAL FRAMING ANCHORS: INSTALL METAL FRAMING TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
D. DO NOT SPLICE STRUCTURAL MEMBERS BETWEEN SUPPORTS, UNLESS OTHERWISE INDICATED.
E. COMPLY WITH AWPA M4 FOR APPLYING FIELD TREATMENT TO CUT SURFACES OF PRESERVATIVE-TREATED LUMBER.
F. SECURELY ATTACH ROUGH CARPENTRY WORK TO SUBSTRATE BY ANCHORING AND FASTENING AS INDICATED, COMPLYING WITH THE FOLLOWING:
1. TABLE 2304.9.1, "FASTENING SCHEDULE," IN ICC'S INTERNATIONAL BUILDING CODE.

3.02 PROTECTION

A. PROTECT WOOD THAT HAS BEEN TREATED WITH INORGANIC BORON (SBX) FROM WEATHER. IF, DESPITE PROTECTION, INORGANIC BORON-TREATED WOOD BECOMES WET, SPRAYING TO COMPLY WITH EPA-REGISTERED LABEL.

END OF SECTION 061000

SECTION 064023

INTERIOR ARCHITECTURAL WOODWORK

PART 1 GENERAL

1.01 SUMMARY

A. THIS SECTION INCLUDES THE FOLLOWING:
1. INTERIOR STANDING AND RUNNING TRIM.
2. INTERIOR FRAMES AND JAMBS.
3. WOOD CABINETS.
4. COUNTERTOPS
5. SHOP FINISHING OF WOODWORK.
6. INSTALLATION OF CASEWORK.
7. INSTALLATION OF EQUIPMENT.
8. INSTALLATION OF INTERIOR SIGNAGE.
9. EXTERIOR RUNNING TRIM.

1.02 SUBMITTALS

A. SAMPLES:
1. LUMBER AND PANEL PRODUCTS FOR TRANSPARENT FINISH, FOR EACH SPECIES AND CUT, FINISHED ON ONE SIDE AND ONE EDGE.

1.03 QUALITY ASSURANCE

A. QUALITY STANDARD: UNLESS OTHERWISE INDICATED, COMPLY WITH AWI'S "ARCHITECTURAL WOODWORK QUALITY STANDARDS."

1.04 PROJECT CONDITIONS

A. ENVIRONMENTAL LIMITATIONS: DO NOT DELIVER OR INSTALL WOODWORK UNTIL BUILDING IS ENCLOSED, WET WORK IS COMPLETE, AND HVAC SYSTEM IS OPERATING AND MAINTAINING TEMPERATURE AND RELATIVE HUMIDITY AT OCCUPANCY LEVELS DURING THE REMAINDER OF THE CONSTRUCTION PERIOD.

PART 2 PRODUCTS

2.01 MATERIALS, GENERAL

A. LUMBER: DOC PS 20 AND GRADING RULES OF INSPECTION AGENCIES CERTIFIED BY AMERICAN LUMBER STANDARDS COMMITTEE BOARD OF REVIEW.
B. SOFT PLYWOOD: DOC PS 1

2.02 EXTERIOR FINISH CARPENTRY

A. MATERIAL AS SPECIFIED ON DRAWINGS.
1. MAXIMUM MOISTURE CONTENT: 15% PERCENT.
B. WOOD MOLDINGS: FABRICATED AND STOCK WOOD MOLDINGS. MADE FROM KILN-DRIED STOCK TO PATTERNS NOTED.
1. SPECIES AND CUT FOR TRANSPARENT OR PAINT FINISH: AS SPECIFIED ON DRAWINGS.

2.03 INTERIOR TRANSPARENT AND PAINT FINISH STANDING AND RUNNING TRIM

A. INTERIOR SOFTWOOD LUMBER TRIM OF SPECIES AND CUT AS SPECIFIED ON DRAWINGS.
1. MAXIMUM MOISTURE CONTENT: 15% PERCENT.
B. INTERIOR HARDWOOD LUMBER TRIM OF SPECIES AND CUT AS SPECIFIED ON DRAWINGS: CLEAR, KILN-DRIED, MATERIAL AS SPECIFIED ON DRAWINGS.
C. WOOD MOLDINGS: MADE TO PATTERNS SPECIFIED FROM KILN-DRIED STOCK.
1. SPECIES AS SPECIFIED ON DRAWINGS.

2.04 MISCELLANEOUS MATERIALS

A. FASTENERS FOR EXTERIOR FINISH CARPENTRY: STAINLESS STEEL.
B. GLUE: ALIPHATIC-RESIN, POLYURETHANE, OR RESORCINOL WOOD GLUE RECOMMENDED BY MANUFACTURER.
1. WOOD GLUE SHALL HAVE A VOC CONTENT OF 30 G/L OR LESS.
2. USE WATERPROOF RESORCINOL GLUE FOR EXTERIOR APPLICATIONS.

2.05 FABRICATION

A. GENERAL: COMPLETE FABRICATION TO MAXIMUM EXTENT POSSIBLE BEFORE SHIPMENT TO PROJECT SITE. WHERE NECESSARY FOR FITTING AT SITE, PROVIDE ALLOWANCE FOR SCRIBING, TRIMMING, AND FITTING.
1. INTERIOR WOODWORK GRADE: CUSTOM
2. SHOP CUT OPENINGS TO MAXIMUM EXTENT POSSIBLE. SAND EDGES OF CUTOUTS TO REMOVE SPLINTERS AND BURRS. SEAL EDGES OF OPENINGS IN LAMINATE COUNTERTOPS WITH A COAT OF VARNISH.
B. INTERIOR STANDING AND RUNNING TRIM:
1. BACKOUT OR GROOVE BACKS OF FLAT TRIM MEMBERS AND KERF BACKS OF OTHER WIDE, FLAT MEMBERS, EXCEPT FOR MEMBERS WITH ENDS EXPOSED IN FINISHED WORK.
2. ASSEMBLE CASINGS IN PLANT EXCEPT WHERE LIMITATIONS OF ACCESS TO PLACE OF INSTALLATION REQUIRE FIELD ASSEMBLY.

2.06 SHOP FINISHING

A. FINISH ARCHITECTURAL WOODWORK AT FABRICATION SHOP. DEFER ONLY FINAL TOUCHUP, CLEANING, AND POLISHING UNTIL AFTER INSTALLATION.
B. BACKPRIMING: APPLY ONE COAT OF SEALER OR PRIMER COMPATIBLE WITH FINISH COATS, TO CONCEALED SURFACES OF WOODWORK.
C. TRANSPARENT FINISH-SHOP APPLIED
1. GRADE: CUSTOM.
2. AWI FINISH SYSTEM: ACRYLIC LACQUER.
3. STAINING: MATCH APPROVED SAMPLE FOR COLOR.
4. WASH COAT FOR STAINED FINISH: APPLY A WASH-COAT SEALER TO WOODWORK MADE FROM CLOSED-GRAIN WOOD BEFORE STAINING AND FINISHING.
5. OPEN-GRAIN WOODS: DO NOT APPLY FILLER TO OPEN-GRAIN WOODS.
6. SHEEN: FLAT, 15-30 GLOSS UNITS MEASURED ON 60-DEGREE GLOSS METER PER ASTM D 523.
7. REFER TO PAINTING & COATING SECTION 09900 FOR FIELD APPLIED FINISHES.

PART 3 EXECUTION

3.01 INSTALLATION

A. BEFORE INSTALLATION, CONDITION WOODWORK TO AVERAGE PREVAILING HUMIDITY CONDITIONS IN INSTALLATION AREAS. EXAMINE SHOP-FABRICATED WORK FOR COMPLETION AND COMPLETE WORK AS REQUIRED, INCLUDING REMOVAL OF PACKING AND BACKPRIMING.
B. GRADE: INSTALL WOODWORK TO COMPLY WITH REQUIREMENTS FOR THE SAME GRADE SPECIFIED IN PART 2 FOR FABRICATION OF TYPE OF WOODWORK INVOLVED.
C. INSTALL WOODWORK LEVEL, PLUMB, TRUE, AND STRAIGHT TO A TOLERANCE OF 1/8 INCH IN 96 INCHES SHIM AS REQUIRED WITH CONCEALED SHIMS.
D. SCRIBE AND CUT WOODWORK TO FIT ADJOINING WORK, REFINISH CUT SURFACES, AND REPAIR DAMAGED FINISH AT CUTS.
E. ANCHOR WOODWORK TO ANCHORS OR BLOCKING BUILT IN OR DIRECTLY ATTACHED TO SUBSTRATES. SECURE WITH COUNTERSUNK, CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR COMPLETE INSTALLATION. USE FINE FINISHING NAILS OR FINISHING SCREWS FOR EXPOSED FASTENING, COUNTERSUNK AND FILLED FLUSH WITH WOODWORK AND MATCHING FINAL FINISH IF TRANSPARENT FINISH IS INDICATED.
F. STANDING AND RUNNING TRIM: INSTALL WITH MINIMUM NUMBER OF JOINTS POSSIBLE, USING FULL-LENGTH PIECES (FROM MAXIMUM LENGTH OF LUMBER AVAILABLE) TO GREATEST EXTENT POSSIBLE. SCARF RUNNING JOINTS AND STAGGER IN ADJACENT AND RELATED MEMBERS. FILL GAPS, IF ANY, BETWEEN TOP OF BASE AND WALL WITH PLASTIC WOOD FILLER, SAND SMOOTH, AND FINISH SAME AS WOOD BASE IF FINISHED.
G. CABINETS: INSTALL WITHOUT DISTORTION SO DOORS AND DRAWERS FIT OPENING PROPERLY AND ARE ACCURATELY ALIGNED. ADJUST HARDWARE TO CENTER DOORS AND DRAWERS IN OPENING AND TO PROVIDE UNENCUMBERED OPERATION.
H. FASTEN WALL CABINETS THROUGH BACK, NEAR TOP AND BOTTOM, AT ENDS AND NOT MORE THAN 16 INCHES O.C. WITH NO. 10 WAFER-HEAD SCREWS SIZED FOR 1-INCH PENETRATION INTO WOOD FRAMING, BLOCKING, OR HANGING STRIPS NO. 10 WAFER-HEAD SHEET METAL SCREWS THROUGH METAL BACKING OR METAL FRAMING BEHIND WALL FINISH.
I. PLASTIC LAMINATE COUNTERTOPS: ANCHOR SECURELY BY SCREWING THROUGH CORNER BLOCKS OF BASE CABINETS OR OTHER SUPPORTS INTO UNDERSIDE OF COUNTERTOP. CAULK SPACE BETWEEN BACKSPLASH AND WALL WITH SEALANT SPECIFIED IN DIVISION 07 SECTION "JOINT SEALANTS."

END OF SECTION 064023

SECTION 072100

THERMAL INSULATION

PART 1 GENERAL

1.02 SUMMARY

A. THIS SECTION INCLUDES THE FOLLOWING:
1. CONCEALED BUILDING INSULATION.
2. VAPOR RETARDERS.

1.03 DEFINITIONS

A. MINERAL-FIBER INSULATION: COMPOSED OF ROCK-WOOL FIBERS, SLAG-WOOL FIBERS, OR GLASS FIBERS; PRODUCED IN BOARDS AND BLANKET WITH LATTER FORMED INTO BATTS (FLAT-CUT LENGTHS) OR ROLLS.

1.04 PERFORMANCE REQUIREMENTS

A. PLENUM RATING: PROVIDE GLASS=FIBER INSULATION WHERE INDICATED IN CEILING PLENUMS WHOSE TEST PERFORMANCE IS RATED AS FOLLOWS FOR USE IN PLENUMS AS DETERMINED BY TESTING IDENTICAL PRODUCTS PER "EROSION TEST" AND MOLD GROWTH AND HUMIDITY TEST" DESCRIBED IN UL 181, OR ON COMPARABLE TESTS FROM ANOTHER STANDARD ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
1. EROSION TEST RESULTS: INSULATION SHOWS NO VISIBLE EVIDENCE OF CRACKING, FLAKING, PEELING, OR DELAMINATION OF INTERIOR SURFACE OF DUCT ASSEMBLY, AFTER TESTING FOR 4 HOURS AT 2500-FPM (13-M/S) AIR VELOCITY.
B. MOLD GROWTH AND HUMIDITY TEST RESULTS: INSULATION SHOWS NO EVIDENCE OF MOLD GROWTH, DELAMINATION, OR OTHER DETERIORATION DUE TO THE EFFECTS OF HIGH HUMIDITY, AFTER INOCULATION WITH CHAETOMIUM GLOBOSIUM ON ALL SURFACES AND STORING FOR 60 DAYS AT 100 PERCENT RELATIVE HUMIDITY IN THE DARK.

1.05 QUALITY ASSURANCE

A. SOURCE LIMITATIONS: OBTAIN EACH TYPE OF BUILDING INSULATION THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.
B. FIRE-TEST-RESPONSE CHARACTERISTICS: PROVIDE INSULATION AND RELATED MATERIALS WITH THE FIRE-TEST RESPONSE CHARACTERISTICS INDICATED, AS DETERMINED BY TESTING IDENTICAL PRODUCTS PER TEST METHOD INDICATED BELOW BY UL OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. IDENTIFY MATERIALS WITH APPROPRIATE MARKINGS OF APPLICABLE TESTING AND INSPECTING AGENCY.
SURFACE-BURNING CHARACTERISTICS: ASTM E 84.

1.06 DELIVERY, STORAGE, AND HANDLING

A. PROTECT INSULATION MATERIALS FROM PHYSICAL DAMAGE AND FROM DETERIORATION BY MOISTURE, SOILING AND OTHER SOURCES. STORE INSIDE AND IN A DRY LOCATION. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR HANDLING, STORING, AND PROTECTING DURING INSTALLATION.

PART 2 PRODUCTS

2.01 FOAM-PLASTIC BOARD INSULATION

1. EXTRUDED-POLYSTYRENE BOARD INSULATION: ASTM C 578, OF TYPE AND DENSITY INDICATED BELOW, WITH MAXIMUM FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF 75 AND 450, TYPE IV,,COMPRESSIVE RESISTANCE: 25 PSI AT BELOW SLAB; TYPE, X, COMPRESSIVE RESISTANCE 15 PSI AT WALLS MANUFACTURERS:
a. DIVERSIFOAM PRODUCTS.
b. DOW CHEMICAL COMPANY.
c. OWENS CORNING.

2.02 GLASS-FIBER BLANKET INSULATION

A. MANUFACTURERS:
1. CERTAIN TEED CORPORATION
2. GUARDIAN FIBERGLASS, INC.
3. JOHNS MANVILLE
4. KNAUF FIBER GLASS
5. OWENS CORNING
B. UNFACED, GLASS-FIBER BLANKET INSULATION: ASTM C 665, TYPE I (BLANKETS WITHOUT MEMBRANE FACING); CONSISTING OF FIBERS; WITH MAXIMUM FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF 25 AND 50, RESPECTIVELY; PASSING ASTM E 136 FOR COMBUSTION CHARACTERISTICS.
C. FACED, GLASS-FIBER BLANKET INSULATION: ASTM C 665, TYPE III (BLANKETS WITH REFLECTIVE MEMBRANE FACING), CLASS A (MEMBRANE-FACED SURFACE WITH A FLAM-SPREAD INDEX OF 25 OR LESS); CATEGORY 1 (MEMBRANE IS A VAPOR BARRIER), FACED WITH FOIL-SCRIM-KRAFT, FOIL-SCRIM, VAPOR-RETARDER MEMBRANE ON 1 FACE.

PART 3 EXECUTION

3.01 PREPARATION

A. CLEAN SUBSTRATES OF SUBSTANCES HARMFUL TO INSULATION OR VAPOR RETARDERS, INCLUDING REMOVING PROJECTIONS. CAPABLE OF PUNCTURING VAPOR RETARDERS OR OF INTERFERING WITH INSULATION ATTACHMENT.

3.02 INSTALLATION, GENERAL

A. COMPLY WITH INSULATION MANUFACTURER'S WRITTEN INSTRUCTIONS APPLICABLE TO PRODUCTS AND APPLICATION INDICATED.
B. INSTALL INSULATION THAT IS UNDAMAGED, DRY, AND UNSOILED AND THAT HAS NOT BEEN LEFT EXPOSED AT ANY TIME TO ICE, RAIN, AND SNOW.
C. EXTEND INSULATION IN THICKNESS INDICATED TO ENVELOP ENTIRE AREA TO BE INSULATED. CUT AND FIT TIGHTLY AROUND OBSTRUCTIONS AND FILL VOIDS WITH INSULATION. REMOVE PROJECTIONS THAT INTERFERE WITH PLACEMENT.
D. WATER-PIPING COORDINATION: IF WATER PIPING IS LOCATED WITHIN INSULATED EXTERIOR WALLS, COORDINATE LOCATION OF PIPING TO ENSURE THAT IT IS PLACED ON WARM SIDE OF INSULATION AND INSULATION ENCAPSULATES PIPING.
E. FOR PREFORMED INSULATION UNITS, PROVIDE SIZES TO FIT APPLICATIONS INDICATED AND SELECTED FROM MANUFACTURER'S STANDARD THICKNESSES, WIDTHS, AND LENGTHS. APPLY SINGLE LAYER OF INSULATION UNITS TO PRODUCE THICKNESS INDICATED UNLESS MULTIPLE LAYERS ARE OTHERWISE SHOWN OR REQUIRED TO MAKE UP TOTAL THICKNESS.

3.03 INSTALLATION OF UNDER-SLAB INSULATION

A. ON HORIZONTAL SURFACES, LOOSELY LAY INSULATION UNITS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. STAGGER END JOINTS AND TIGHTLY ABUT INSULATION UNITS.
B. PROTECT TOP SURFACE OF HORIZONTAL INSULATION FROM DAMAGE DURING CONCRETE WORK BY APPLYING PROTECTION COURSE WITH JOINTS BUTTED.

3.04 INSTALLATION OF GENERAL BUILDING INSULATION

A. APPLY INSULATION UNITS TO SUBSTRATES BY METHOD INDICATED, COMPLYING WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. IF NO SPECIFIC METHOD IS INDICATED, BOND UNITS TO SUBSTRATE WITH ADHESIVE OR USE MECHANICAL ANCHORAGE TO PROVIDE PERMANENT PLACEMENT AND SUPPORT OF UNITS.
B. SEAL JOINTS BETWEEN FOAM-PLASTIC INSULATION UNITS BY APPLYING ADHESIVE, MASTIC, OR SEALANT TO EDGES OF EACH UNIT TO FORM A TIGHT SEAL AS UNITS ARE SHOVED INTO PLACE. FILL VOIDS IN COMPLETED INSTALLATION WITH ADHESIVE, MASTIC, OR SEALANT AS RECOMMENDED BY INSULATION MANUFACTURER.
C. SET VAPOR-RETARDER-FACED UNITS WITH VAPOR RETARDER TO WARM SIDE OF CONSTRUCTION, UNLESS OTHERWISE INDICATED.
1. TAPE JOINTS AND RUPTURES IN VAPOR RETARDER, AND SEAL EACH CONTINUOUS AREA OF INSULATION TO SURROUNDING CONSTRUCTION TO ENSURE AIRTIGHT INSTALLATION.
D. INSTALL BOARD INSULATION ON CONCRETE SUBSTRATES BY ADHESIVELY ATTACHED, SPINDLE-TYPE INSULATION ANCHORS AS FOLLOWS:
1. FASTEN INSULATION ANCHORS TO CONCRETE SUBSTRATES WITH INSULATION ANCHOR ADHESIVE ACCORDING TO ANCHOR MANUFACTURER'S WRITTEN INSTRUCTIONS. SPACE ANCHORS ACCORDING TO INSULATION MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSULATION TYPE, THICKNESS, AND APPLICATION INDICATED.
2. APPLY INSULATION STANDOFFS TO EACH SPINDLE TO CREATE CAVITY WIDTH INDICATED BETWEEN CONCRETE SUBSTRATE AND INSULATION.
3. AFTER ADHESIVE HAS DRIED, INSTALL BOARD INSULATION BY PRESSING INSULATION INTO POSITION OVER SPINDLES AND SECURING IT TIGHTLY IN PLACE WITH INSULATION-RETAINING WASHERS, TAKING CARE NOT TO COMPRESS INSULATION BELOW INDICATED THICKNESS.
4. WHERE INSULATION WILL NOT BE COVERED BY OTHER BUILDING MATERIALS, APPLY CAPPED WASHERS TO TIPS OF SPINDLES.

3.05 INSTALLATION OF VAPOR RETARDERS

A. GENERAL: EXTEND VAPOR RETARDER TO EXTREMITIES OF AREAS TO BE PROTECTED FROM VAPOR TRANSMISSION. SECURE IN PLACE WITH ADHESIVES OR OTHER ANCHORAGE SYSTEM AS INDICATED. EXTEND VAPOR RETARDER TO COVER MISCELLANEOUS VOIDS IN INSULATED SUBSTRATES, INCLUDING THOSE FILLED WITH LOOSE-FIBER INSULATION.
B. BEFORE INSTALLING VAPOR RETARDER, APPLY URETHANE SEALANT TO FLANGES OF METAL FRAMING INCLUDING RUNNER TRACKS, METAL STUDS, AND FRAMING AROUND DOOR AND WINDOW OPENINGS. SEAL OVERLAPPING JOINTS IN VAPOR RETARDERS WITH VAPOR RETARDER TAPE ACCORDING TO VAPOR-RETARDER MANUFACTURER'S WRITTEN INSTRUCTIONS. SEAL BUTT JOINTS WITH VAPOR-RETARDER TAPE. LOCATE ALL JOINTS OVER FRAMING MEMBERS OR OTHER SOLID SUBSTRATES.
C. FIRMLY ATTACH VAPOR RETARDERS TO METAL FRAMING AND SOLID SUBSTRATES WITH VAPOR-RETARDER FASTENERS AS RECOMMENDED BY VAPOR-RETARDER MANUFACTURER.
D. SEAL JOINTS CAUSED BY PIPES, CONDUITS, ELECTRICAL BOXES, AND SIMILAR ITEMS PENETRATING OBJECTS AND VAPOR RETARDER.
E. REPAIR TEARS OR PUNCTURES IN VAPOR RETARDERS IMMEDIATELY BEFORE CONCEALMENT BY OTHER WORK. COVER WITH VAPOR-RETARDER TAPE OR ANOTHER LAYER OF VAPOR RETARDER.

3.06 PROTECTION

A. PROTECT INSTALLED INSULATION AND VAPOR RETARDERS FROM DAMAGE DUE TO HARMFUL WEATHER EXPOSURES, PHYSICAL ABUSE, AND OTHER CAUSES. PROVIDE TEMPORARY COVERINGS OR ENCLOSURES WHERE INSULATION IS SUBJECT TO ABUSE AND CANNOT BE CONCEALED AND PROTECTED BY PERMANENT CONSTRUCTION IMMEDIATELY AFTER INSTALLATION.

END OF SECTION 072100

SECTION 07500

ROOFING

PART 1 GENERAL

A. ROOF IS EXISTING. ALL WORK SHALL BE IN CONFORMANCE WITH THE LANDLORD ROOF SYSTEM MANUFACTURER'S SPECIFICATIONS REQUIRED TO MAINTAIN WARRANTY.
B. ALL ROOF WORK TO BE PERFORMED BY LANDLORD ROOFING CONTRACTOR.

PART 2 PRODUCTS

A. PROVIDE ALL INSULATION, ROOF MEMBRANE, FLASHING, ADHESIVES AND FASTENERS REQUIRED TO PROVIDE A COMPLETE INSTALLATION.
B. PROVIDE BUILT-UP CRICKETS AND SADDLES TO PROVIDE POSITIVE DRAINAGE AROUND ROOF MOUNTED EQUIPMENT.

PART 3 EXECUTION

A. PROTECT EXISTING ROOF SYSTEM FROM DAMAGE DURING CONSTRUCTION.
B. INSTALL WORK IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND DETAILS.
C. INSTALL INSULATION IN FULL THICKNESS AT ALL ROOF OPENINGS.

END OF SECTION

SECTION 079200

JOINT SEALANTS

PART 1 GENERAL

1.01 SUMMARY

A. THIS SECTION INCLUDES JOINT SEALANTS FOR THE FOLLOWING APPLICATIONS, INCLUDING THOSE SPECIFIED BY REFERENCE TO THIS SECTION.
1. INTERIOR JOINTS IN VERTICAL SURFACES AND HORIZONTAL NON-TRAFFIC SURFACES.
2. INTERIOR JOINTS IN HORIZONTAL TRAFFIC SURFACES.

1.02 PERFORMANCE REQUIREMENTS

A. PROVIDE ELASTOMERIC JOINT SEALANT S THAT ESTABLISH AND MAINTAIN WATERTIGHT AND AIRTIGHT CONTINUOUS JOINT SEALS WITHOUT STAINING OR DETERIORATING JOINT SUBSTRATES.

1.03 WARRANTY

A. SPECIAL INSTALLER'S WARRANTY: INSTALLER'S STANDARD FORM IN WHICH INSTALLER AGREES TO REPAIR OR REPLACE ELASTOMERIC JOINT SEALANTS THAT DO NOT COMPLY WITH PERFORMANCE AND OTHER REQUIREMENTS SPECIFIED IN THIS SECTION WITHIN STANDARD WARRANTY PERIOD.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE PRODUCTS LISTED IN OTHER PART 2 ARTICLES.

2.02 MATERIALS, GENERAL

A. COMPATIBILITY: PROVIDE JOINT SEALANTS, BACKINGS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY SEALANT MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE.
B. COLORS OF EXPOSED JOINT SEALANTS: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

2.03 ELASTOMERIC JOINT SEALANTS

A. ELASTOMERIC SEALANTS: COMPLY WITH ASTM C 920 AND OTHER REQUIREMENTS INDICATED FOR EACH LIQUID-APPLIED CHEMICALLY CURING SEALANT SPECIFIED, INCLUDING THOSE REFERENCING ASTM C 920 CLASSIFICATIONS FOR TYPE, GRADE, CLASS, AND USES RELATED TO EXPOSURE AND JOINT SUBSTRATES.
B. MULTI-COMPONENT NON-SAG NEUTRAL-CURING SILICONE SEALANT.
1. AVAILABLE PRODUCTS:
a. DOW CORNING CORPORATION, 756 H.P.
2. TYPE AND GRADE: M (MULTI-COMPONENT) AND P (POURABLE).
3. CLASS: 50
4. USE RELATED TO EXPOSURE: NT (NON-TRAFFIC).
5. USES RELATED TO JOINT SUBSTRATES: M, G, A, AND, AS APPLICABLE TO JOINT SUBSTRATES INDICATED, O. USE ON HORIZONTAL SURFACES NOT LIKELY TO BE EXPOSED TO WATER AND WILL NOT BE EXPOSED TO TRAFFIC.
C. SINGLE-COMPONENT MILDEW-RESISTANT ACID-DURING SILICONE SEALANT.
1. PRODUCTS:
a. DOW CORNING CORPORATION, 786 MILDEW RESISTANT.
b. GE SILICONES, SANITARY SCS1700.
c. TREMCO, TREMSIL, 200 WHITE CLEAR.
2. TYPE AND GRADE: S (SINGLE COMPONENT) AND NS (NON-SAG).
3. CLASS: 25.
4. USE RELATED TO EXPOSURE: NT (NON-TRAFFIC).
5. USES RELATED TO JOINT SUBSTRATES: G, C, AND, AS APPLICABLE TO JOINT SUBSTRATES INDICATED, O. USE ON HORIZONTAL AND VERTICAL SURFACES THAT ARE LIKELY TO BE EXPOSED TO WATER, BUT WILL NOT BE EXPOSED TO TRAFFIC.
D. MULTI-COMPONENT POURABLE URETHANE SEALANT.
1. AVAILABLE PRODUCTS:
a. BOSTIK FINDLEY, CHEM.-CALK 550.
b. TREMCO, VULKEM 245.
2. TYPE AND GRADE: M (MULTI-COMPONENT) AND P (POURABLE).
3. CLASS: 25.
4. USE RELATED TO EXPOSURE: T (TRAFFIC).
5. USES RELATED TO JOINT SUBSTRATES: M, A, AND, AS APPLICABLE TO JOINT SUBSTRATES INDICATED, O. USE ON HORIZONTAL SURFACES THAT WILL BE EXPOSED TO TRAFFIC.

2.04 LATEX JOINT SEALANTS

A. LATEX SEALANT: COMPLY WITH ASTM C 834, TYPE O P, GRADE NF.
B. ACOUSTICAL SEALANT FOR CONCEALED JOINTS, MANUFACTURER'S STANDARD, NON-DRYING, NON-HARDENING, NON-SKINNING, NON-STAINING, GUNNABLE, SYNTHETIC-RUBBER SEALANT RECOMMENDED FOR SEALING INTERIOR CONCEALED JOINTS TO REDUCE AIRBORNE SOUND TRANSMISSION.
1. PRODUCTS:
a. PECORA CORPORATION, BA-98.
b. TREMCO, TREMCO ACOUSTICAL SEALANT.

2.06 JOINT-SEALANT BACKING

A. GENERAL: PROVIDE SEALANT BACKINGS OF MATERIAL AND TYPE THAT ARE NON-STAINING, ARE COMPATIBLE WITH JOINT SUBSTRATES, SEALANTS, PRIMERS, AND OTHER JOINT FILLERS, AND ARE APPROVED FOR APPLICATIONS INDICATED BY SEALANT MANUFACTURER BASED ON FIELD EXPERIENCE AND LABORATORY TESTING.
B. CYLINDRICAL SEALANT BACKINGS: ASTM C 1330, TYPE C (CLOSED-CELL MATERIAL WITH A SURFACE SKIN) O (OPEN-CELL MATERIALS) B (BI-CELLULAR MATERIAL WITH A SURFACE SKIN) OR ANY OF THE PRECEDING TYPES, AS APPROVED IN WRITING BY JOINT-SEALANT MANUFACTURER FOR JOINT APPLICATION INDICATED, AND OF SIZE AND DENSITY TO CONTROL SEALANT DEPTH AND OTHERWISE CONTRIBUTE TO PRODUCING OPTIMUM SEALANT PERFORMANCE.
C. BOND-BREAKER TAPE: POLYETHYLENE TAPE OR OTHER PLASTIC TAPE RECOMMENDED BY SEALANT MANUFACTURER FOR PREVENTING SEALANT FROM ADHERING TO RIGID, INFLEXIBLE JOINT-FILLER MATERIALS OR JOINT SURFACES AT BACK OF JOINT WHERE SUCH ADHESION WOULD RESULT IN SEALANT FAILURE. PROVIDE SELF-ADHESIVE TAPE WHERE APPLICABLE.

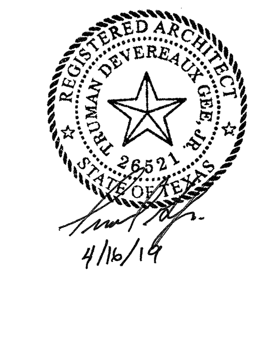
INTERPLAN LLC

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

F-3219

6815 MANHATTAN BOULEVARD
SUITE 115
FORT WORTH, TEXAS 76120
PH 682.747.5054

SEAL:



NO DATE REMARKS

REVISIONS

THE WOODHOUSE *day spa*®

WOODHOUSE DAY SPA
RENOVATION

MARKET STREET
9595 SIX PINES DRIVE
THE WOODLANDS, TEXAS 77680

PROJECT NO: 2019.0172
DATE: 04-08-2019

A0.6

CHECKED: TG DRAWN: KW

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