07241 PROVIDE CLASS PB EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) AS INDICATED. EIFS SHALL COMPLY WITH PERFORMANCE CHARACTERISTICS IN "EIMA GUIDELINE SPECIFICATION FOR EXTERIOR INSULATION AND FINISH SYSTEMS, CLASS PB," INCLUDING WIND LOAD PER ASTM E 330 AS INDICATED AND IMPACT CLASSIFICATION AND RANGE PER EIMA 101.86, STANDARD IMPACT RESISTANCE: 25-49 INCH-LB. AND MEDIUM IMPACT RESISTANCE: 50-89 INCH-LB., HIGH IMPACT RESISTANCE: 90-150 INCH-LB. SUBMIT PRODUCT DATA, SHOP DRAWINGS, SAMPLES FOR EACH FINISH, COLOR, TEXTURE, AND PATTERN SPECIFIED, INSTALLER CERTIFICATES, MATERIAL CERTIFICATES, COMPATIBILITY AND ADHESION TEST REPORTS FROM SEALANT MANUFACTURER, AND PRODUCT TEST REPORTS. MANUFACTURER SHALL BE SYSTEM MANUFACTURER FOR A MINIMUM OF FIFTEEN YEARS. ENGAGE AN EXPERIENCED INSTALLER WHO IS CERTIFIED IN WRITING BY SYSTEM MANUFACTURER AND HAS INSTALLED CLASS PB EIFS FOR A MINIMUM OF FIVE YEARS AND HAS SUCCESSFUL COMPLETION OF MINIMUM OF THREE PROJECTS OF SIMILAR SIZE AND COMPLEXITY TO THE SPECIFIED PROJECT. PROVIDE A SEVEN YEAR LIMITED LABOR AND MATERIALS WARRANTY. PROVIDE PRODUCTS BY STO CORP. OR OTHER APPROVED SYSTEM MANUFACTURER. COLORS, TEXTURES, AND PATTERNS OF FINISH COAT SHALL BE ARCHITECT'S SELECTIONS FROM SYSTEM MANUFACTURER'S FULL RANGE OF COLORS, TEXTURES, AND PATTERNS FOR TYPE OF FINISH COAT INDICATED. EXTERIOR GYPSUM SHEATHING SHALL BE MECHANICALLY FASTENED 5/8-INCH-THICK, WATER RESISTANT CORE ENCASED IN WATER REPELLENT PAPER ON BOTH SIDES COMPLYING WITH ASTM C 79 AS RECOMMENDED BY BOARD MANUFACTURER FOR EXTERIOR APPLICATIONS. EXTERIOR FINISH SYSTEMS SHALL BE MECHANICALLY FASTENED THROUGH THE SHEATHING INTO THE WALL FRAMING. PROVIDE PROPRIMER-SEALER DESIGNED TO SEAL SUBSTRATES FROM MOISTURE PENETRATION AND TO IMPROVE THE BOND BETWEEN SUBSTRATE OF TYPE INDICATED AND ADHESIVE USED FOR APPLICATION OF INSULATION. ADHESIVE FOR APPLICATION OF INSULATION SHALL BE STO FLEXYL OR EQUAL ACRYLIC BASED FIBER REINFORCED, FLEXIBLE WATERPROOF FORMULATION DESIGNED FOR ADHESIVE ATTACHMENT OF INSULATION TO SUBSTRATES OF TYPE INDICATED, AS RECOMMENDED BY SYSTEM MANUFACTURER. MOLDED-POLYSTYRENE BOARD INSULATION SHALL COMPLY WITH SYSTEM MANUFACTURER'S REQUIREMENTS. CUSTOM SHAPES SHALL BE MOLDED OR MAY BE FABRICATED OF BUILT-UP LAYERS OF POLYSTYRENE INSULATION. REINFORCING MESH SHALL BE BALANCED, ALKALI-RESISTANT, OPEN-WEAVE GLASS-FIBER MESH WITH RETAINED MESH TENSILE STRENGTH OF NOT LESS THAN 120 LBF/IN. AND THE FOLLOWING MINIMUM WEIGHT: STANDARD REINFORCING MESH NOT LESS THAN 4.0 OZ./SQ. YD., STRIP REINFORCING MESH NOT LESS THAN 3.75 OZ./SQ. YD., DETAIL REINFORCING MESH NOT LESS THAN 4 OZ./SQ. YD., AND CORNER REINFORCING MESH NOT LESS THAN 7.2 OZ./SQ. YD. BASE-COAT MATERIALS SHALL BE STO BTS PLUS OR EQUAL. PRIMER SHALL BE STO SILCO PRIMEROR EQUAL SILICONE ENHANCED-POLYMER PRIMER FOR PREPARING BASE-COAT SURFACE FOR APPLICATION OF FINISH COAT. FINISH-COAT MATERIALS SHALL BE STO SILCOLIT OR EQUAL SILICONE ENHANCED POLYMER-EMULSION BINDER, COLORFAST MINERAL PIGMENTS, WITH GRADED MARBLE AGGREGATE AND FILLERS. WATERPROOFER SHALL BE STO FLEXYL OR EQUAL ACRYLIC-BASED FIBER REINFORCED, FLEXIBLE WATERPROOFER AND SHALL BE APPLIED AT ALL SURFACES THAT ARE NOT VERTICAL. TRIM ACCESSORIES SHALL BE ASTM C 1063; VINYL PLASTIC. ELASTOMERIC SEALANTS SHALL BE AS RECOMMENDED BY SYSTEM MANUFACTURER; COMPATIBLE WITH RELATED MATERIALS OF COLOR PER ARCHITECT'S SELECTIONS FROM MANUFACTURER'S FULL RANGE OF COLORS. COMPLY WITH ASTM PS 49 AND SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLATION OF SYSTEM. USE DRIP SCREED AT BOTTOM EDGE OF SYSTEM AND CASING BEADS AT OTHER LOCATIONS. ADHESIVELY ATTACH INSULATION BY TROWEL AND STIPPLE METHOD TO COMPLY WITH SYSTEM MANUFACTURER'S WRITTEN REQUIREMENTS. LOCATE JOINTS SO NO PIECE OF INSULATION IS LESS THAN 12 INCHES WIDE OR 6 INCHES HIGH. OFFSET JOINTS NOT LESS THAN 6 INCHES FROM CORNERS OF WINDOW AND DOOR OPENINGS. OFFSET JOINTS OF INSULATION NOT LESS THAN 6 INCHES FROM HORIZONTAL AND 4 INCHES FROM VERTICAL JOINTS IN SHEATHING. WRAP EXPOSED EDGES OF INSULATION BOARD WITH REINFORCING MESH FULLY ENCAPSULATED IN BASE COAT AND, EXCEPT WHERE EDGE IS SUBSTRATE FOR JOINT SEALANT, FINISH COAT. APPLY STRIP REINFORCING MESH AROUND OPENINGS EXTENDING 4 INCHES BEYOND PERIMETER. APPLY ADDITIONAL 9-BY-12-INCH STRIP REINFORCING MESH DIAGONALLY AT CORNERS OF OPENINGS (RE-ENTRANT CORNERS). APPLY 8-INCH-WIDE STRIP REINFORCING MESH AT BOTH INSIDE AND OUTSIDE CORNERS, UNLESS BASE LAYER OF MESH IS LAPPED NOT LESS THAN 4 INCHES ON EACH SIDE OF CORNERS. AT AESTHETIC REVEALS, APPLY STRIP REINFORCING MESH NOT LESS THAN 8 INCHES WIDE. EMBED STRIP REINFORCING MESH IN BASE COAT BEFORE APPLYING FIRST LAYER OF REINFORCING MESH. APPLY WATERPROOFER WHERE RECOMMENDED BY THE MANUFACTURER. APPLY PRIMER UNIFORMLY OVER BASE COAT AS PER MANUFACTURER'S DIRECTIONS. APPLY FINISH COAT OVER DRY PRIMER AND BASE COAT, MAINTAINING A WET EDGE AT ALL TIMES FOR UNIFORM APPEARANCE, IN THICKNESS REQUIRED BY SYSTEM MANUFACTURER TO PRODUCE A UNIFORM FINISH OF COLOR AND TEXTURE MATCHING APPROVED SAMPLE PREPARE JOINTS AND APPLY SEALANTS TO COMPLY WITH "EIMA GUIDE FOR USE OF SEALANTS WITH EXTERIOR INSULATION AND FINISH SYSTEMS, CLASS PB." APPLY JOINT SEALANTS AFTER BASE COAT HAS CURED BUT BEFORE APPLYING FINISH COAT.

07552 INSTALL A WATERTIGHT, MODIFIED BITUMINOUS MEMBRANE ROOFING AND BASE FLASHING SYSTEM WITH COMPATIBLE COMPONENTS THAT WILL NOT PERMIT THE PASSAGE OF WATER AND WILL WITHSTAND WIND LOADS INDICATED ON THE PLANS, THERMALLY INDUCED MOVEMENT, AND EXPOSURE TO WEATHER WITHOUT FAILURE. SUBMIT PRODUCT DATA WARRANTY INFORMATION AND SHOP DRAWINGS DETAILING BASE FLASHINGS, MEMBRANE TERMINATIONS, AND TAPERED INSULATION WITH SLOPES. ONLY ENGAGE AN EXPERIENCED INSTALLER WHO IS APPROVED, AUTHORIZED, OR LICENSED BY THE ROOFING SYSTEM MANUFACTURER. PROVIDE ROOFING MATERIALS WITH EXTERIOR FIRE-TEST EXPOSURE THAT IS CLASS A; COMPLYING WITH ASTM E 108, FOR APPLICATION AND SLOPES INDICATED AND HAS A FIRE-RESISTANCE RATINGS PER ASTM E 119. BEFORE INSTALLING ROOFING SYSTEM, MEET WITH OWNER; ARCHITECT; OWNER'S INSURER, IF APPLICABLE; TESTING AND INSPECTING AGENCY REPRESENTATIVE; ROOFING INSTALLER; ROOFING SYSTEM MANUFACTURER'S REPRESENTATIVE; DECK INSTALLER; AND INSTALLERS WHOSE WORK INTERFACES WITH OR AFFECTS ROOFING, INCLUDING INSTALLERS OF ROOF ACCESSORIES AND ROOF-MOUNTED EQUIPMENT. SUBMIT A WRITTEN WARRANTY, WITHOUT MONETARY LIMITATION, SIGNED BY ROOFING SYSTEM MANUFACTURER AGREEING TO PROMPTLY REPAIR LEAKS IN THE ROOF MEMBRANE AND BASE FLASHINGS RESULTING FROM DEFECTS IN MATERIALS OR WORKMANSHIP FOR THE PERIOD OF 20 YEARS. PROVIDE SBS-MODIFIED UNPERFORATED ASPHALT SHEET, SMOOTH SURFACED, DUSTED WITH FINE PARTING AGENT ON BOTH SIDES BY SIPLAST, INC. OR APPROVED EQUAL SUITABLE FOR APPLICATION METHOD SPECIFIED; MANUFACTURER'S STANDARD THICKNESS AND WEIGHT. PROVIDE BASE PLY OF 2-PLY, MODIFIED BITUMINOUS MEMBRANE ROOFING WITH GLASS-FIBER MESH OR NON-WOVEN GLASS-FIBER MAT. MINERAL-GRANULE SURFACE SHEET SHALL BE SBS-MODIFIED BITUMINOUS SHEET, WITH CONTINUOUS LAYER OF MINERAL GRANULES FACTORY APPLIED TO TOP EXPOSED SURFACE; SUITABLE FOR APPLICATION METHOD SPECIFIED; MANUFACTURER'S STANDARD THICKNESS, COLOR, AND WEIGHT WITH WHITE GRANULE COLOR. PROVIDE PREFORMED UNIFORMLY TAPERED ROOFING INSULATION BOARDS, MINIMUM 2 INCH THICK. INSULATION BOARD SHALL BE RIGID, CELLULAR POLYISOCYANURATE THERMAL INSULATION WITH CORE FORMED BY USING HCFCS AS BLOWING AGENTS, COMPLYING WITH ASTM C 1289, TYPE II, FELT OR GLASS-FIBER MAT ON BOTH MAJOR SURFACES. TAPERED INSULATION BOARDS SHALL HAVE 1/4-INCH PER FOOT TAPER WHERE NECESSARY FOR SLOPING TO THE DRAINS. PROVIDE PREFORMED SADDLES, CRICKETS, TAPERED EDGE STRIPS AND OTHER INSULATION SHAPES WHERE REQUIRED. PROVIDE 1/2-INCH THICK RIGID CELLULOSIC-FIBER COVER BOARD COMPLYING WITH ASTM C 208, TYPE II, GRADE 2. PROVIDE ROOF WALKWAYS OF 5/16-INCH CHOPPED RUBBER COMPOSITION PANES, NONPOROUS, WITH A SLIP RESISTANT SURFACE TEXTURE MANUFACTURED SPECIFICALLY FOR ADHERING TO MODIFIED BITUMINOUS MEMBRANE ROOFING. WALKWAY SHALL EXTEND FROM ROOF ACCESS HATCH TO AND AROUND ROOFTOP EQUIPMENT. ASPHALT PRIMER SHALL BE ASTM D 41. ROOFING ASPHALT SHALL BE ASTM D 312, TYPE III OR TYPE IV, AS RECOMMENDED BY MODIFIED BITUMINOUS MEMBRANE MANUFACTURER. ASPHALT ROOFING CEMENT SHALL BE ASTM D 4586, ASBESTOS FREE, OF CONSISTENCY REQUIRED BY ROOFING SYSTEM MANUFACTURER FOR APPLICATION. FASTENERS SHALL BE FACTORY-COATED STEEL FASTENERS AND METAL OR PLASTIC PLATES COMPLYING WITH CORROSION-RESISTANCE PROVISIONS OF FM 4470 AND ACCEPTABLE TO ROOFING SYSTEM MANUFACTURER. INSTALL MODIFIED BITUMINOUS MEMBRANE ROOFING SYSTEM ACCORDING TO ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS AND APPLICABLE RECOMMENDATIONS OF NRCA/ARMA'S "QUALITY CONTROL RECOMMENDATIONS FOR POLYMER MODIFIED BITUMEN ROOFING." INSTALL ROOFING SYSTEM ACCORDING TO APPLICABLE SPECIFICATION PLATES OF NRCA'S "THE NRCA ROOFING AND WATERPROOFING MANUAL." INSTALL AND SECURE PREFORMED 45-DEGREE CANT STRIPS AT JUNCTURES OF MODIFIED BITUMINOUS MEMBRANE ROOFING SYSTEM WITH VERTICAL SURFACES OR ANGLE CHANGES GREATER THAN 45 DEGREES. HEAT ROOFING ASPHALT AND APPLY WITHIN PLUS OR MINUS 25 DEG F OF EQUIVISCOUS TEMPERATURE, UNLESS OTHERWISE REQUIRED BY ROOFING SYSTEM MANUFACTURER. DO NOT RAISE ROOFING ASPHALT TEMPERATURE ABOVE THE EQUIVISCOUS TEMPERATURE RANGE MORE THAN ONE HOUR BEFORE TIME OF APPLICATION. DO NOT EXCEED ROOFING ASPHALT MANUFACTURER'S RECOMMENDED TEMPERATURE LIMITS DURING ROOFING ASPHALT HEATING. DO NOT HEAT ROOFING ASPHALT WITHIN 25 DEG F OF FLASH POINT. DISCARD ROOFING ASPHALT MAINTAINED AT A TEMPERATURE EXCEEDING 500 DEG F FOR MORE THAN 4 HOURS. KEEP KETTLE LID CLOSED, UNLESS ADDING ROOFING ASPHALT. BASE SHEET: INSTALL ONE LAPPED COURSE OF BASE SHEET ACCORDING TO ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS, EXTENDING SHEET OVER AND TERMINATING BEYOND CANTS. INSTALL MODIFIED BITUMINOUS MEMBRANE OVER AREA TO RECEIVE ROOFING, ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. EXTEND MODIFIED BITUMINOUS MEMBRANE OVER AND TERMINATE BEYOND CANTS. ADHERE EACH PLY TO SUBSTRATE IN A SOLID MOPPING OF HOT ROOFING ASPHALT, APPLIED AT RATE REQUIRED BY ROOFING SYSTEM MANUFACTURER. ACCURATELY ALIGN SHEETS, WITHOUT STRETCHING, AND MAINTAIN UNIFORM SIDE AND END LAPS. STAGGER END LAPS. COMPLETELY BOND AND SEAL LAPS, LEAVING NO VOIDS. REPAIR TEARS AND VOIDS IN LAPS AND LAPPED SEAMS NOT COMPLETELY SEALED. INSTALL ANOTHER PLY OF MODIFIED BITUMINOUS MEMBRANE, APPROXIMATELY 36 INCHES WIDE AND IN LENGTHS NOT EXCEEDING 10 FEET, LEAVING A SPACE OF 6 INCHES BETWEEN STRIPS. ADHERE WALKWAYS IN SAME TYPE OF HOT ROOFING ASPHALT. SET 30-BY-30-INCH METAL FLASHING IN BED OF ASPHALT ROOFING CEMENT ON COMPLETED MODIFIED BITUMINOUS MEMBRANE ROOFING. COVER METAL FLASHING WITH MODIFIED BITUMINOUS STRIPPING EXTENDING A MINIMUM OF 4 INCHES BEYOND EDGE OF METAL FLASHING ONTO FIELD OF ROOF MEMBRANE. CLAMP ROOF MEMBRANE, METAL FLASHING, AND STRIPPING INTO ROOF-DRAIN CLAMPING RING. ARRANGE FOR ROOFING SYSTEM MANUFACTURER'S TECHNICAL PERSONNEL TO INSPECT ROOFING INSTALLATION ON COMPLETION AND SUBMIT REPORT TO ARCHITECT. PROTECT MODIFIED BITUMINOUS MEMBRANE ROOFING FROM DAMAGE AND WEAR DURING REMAINDER OF CONSTRUCTION PERIOD. WHEN REMAINING CONSTRUCTION WILL NOT AFFECT OR ENDANGER ROOFING, INSPECT ROOFING FOR DETERIORATION AND DAMAGE, DESCRIBING ITS NATURE AND EXTENT IN A WRITTEN REPORT, WITH COPIES TO ARCHITECT AND OWNER. CORRECT DEFICIENCIES IN OR REMOVE MODIFIED BITUMINOUS ROOFING THAT DOES NOT COMPLY WITH REQUIREMENTS, REPAIR SUBSTRATES, REINSTALL ROOFING, AND REPAIR BASE FLASHINGS TO A CONDITION FREE OF DAMAGE AND DETERIORATION AT THE TIME OF SUBSTANTIAL COMPLETION AND ACCORDING TO WARRANTY REQUIREMENTS.

07620 PROVIDE FLASHING AND SHEET METAL COMPONENTS FOR BUILDING CONSTRUCTION INCLUDING METAL COUNTER-FLASHING, BUILT-IN METAL VALLEYS, GUTTERS, AND SCUPPERS, EXPOSED METAL TRIM, AND MISCELLANEOUS SHEET METAL ACCESSORIES. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. FLASHING SHALL BE 20 GAGE GALVANIZED STEEL, G90 GALVANIZING, ASTM A 525 AND/OR 20 GAGE ALLOY 3003 CLEAR ANODIZED ALUMINUM, ASTM B 209. FOLLOW RECOMMENDATIONS OF SMACNA "SHEET METAL MANUAL". ALLOW FOR EXPANSION. ISOLATE DISSIMILAR MATERIALS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. RESTORE DAMAGED COMPONENTS AND FINISHES. CLEAN AND PROTECT WORK FROM DAMAGE.

07650 PROVIDE CONCRETE TILE ROOFING AS INDICATED. SUBMIT PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES FOR EACH ITEM SPECIFIED. PROVIDE TILE MANUFACTURED BY PIONEER CONCRETE TILE IN COLOR CODE AND STYLE AS SELECTED BY ARCHITECT. AT ALL AREAS WHERE ROOF TILES WILL BE INSTALLED, PROVIDE A MEMBRANE CONSISTING OF NOT LESS THAN ONE LAYER OF TIN TAGGED ASTM D-226 30# FELT AND ONE LAYER OF HOT MOPPED 55# CAP SHEET. DOUBLE THE MEMBRANE AT HIPS, VALLEYS AND RIDGES. PLACE PARALLEL TO GROUND LEVEL, MINIMUM LAPPING 3" HORIZONTALLY AND 6" VERTICALLY. CARRY THE FELT 9" UP ALL VERTICAL SURFACES AND 4" OVER GUTTER AND VALLEY METAL. FASTEN ALL EDGES WITH LARGE HEADED GALVANIZED NAILS ON 6" CENTERS. USE 2 1/2" STAINLESS STEEL HURRICANE CLIPS AT ALL EAVE COURSES. FOR FIELD TILE, USE A MINIMUM 1 1/2" DIAMETER STAINLESS STEEL NAIL AT THE PAN NAIL HOLE AND AT THE CROWN NAIL HOLE USE A WINDLOCK WITH 5" X 0.148" LONG STRAW NAIL. PROVIDE 2 X 2 FOUNDATION GRADE WOOD STRIP FULL LENGTH AT ALL EAVES TO RAISE THE FIRST COURSE OF ROOF TILES. FLASH AT ROOF VALLEYS IN STRICT ACCORDANCE WITH SFBC OR PERTINENT REQUIREMENTS OF THE GOVERNMENT AGENCIES HAVING JURISDICTION. PROVIDE MINUMUM 28 GAUGE CORROSION-RESISTANT METAL EXTENDING AT LEAST 11" FROM THE CENTERLINE OF THE VALLEY EACH WAY WITH SPLASH DIVERTER RIB NOT LESS THAN 1" HIGH AT THE FLOW LINE FORMED AS PART OF THE FLASHING. AT SIDES OF WALLS, EXTEND FLASHING AT LEAST 9" UP THE VERTICAL SURFACE. EXTEND FLASHING UNDER TILE AT LEAST 4" AND TURN THE EDGE UP 1". AT LOWER SIDE OF WALLS EXTEND FLASHING AT LEAST 4 1/2" UP THE WALL, 4" OVER THE TILE AND THOROUGHLY COUNTERFLASH. MAKE ALL COUNTERFLASHING PLUGGED, POINTED AND SECURE. PROVIDE TYPE M CEMENT MORTAR COMPLYING WITH ASTM C-270 AT ALL RIDGES AND HIPS TO COMPLETELY SEAL THE AREA UNDER THE RIDGE AND HIP TILES. FOR TILES AND WOOD STRIPS, USE APPROVED NON-CORROSIVE NAILS, 11 GAUGE, LARGE HEADED, IN LENGTH SUFFICIENT TO GIVE PROPER PENETRATION. USE RING SHANK NAILS IN LENGTH SUFFICIENT FOR SLIGHT PENETRATION THROUGH UNDER SIDE OF DECK.

07900 PROVIDE SEALANTS AT INTERSECTION OF BUILDING COMPONENTS AND AT CONTROL AND EXPANSION JOINTS. SUBMIT FOR APPROVAL SAMPLES, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE SEALANTS FOR JOINTS DESIGNED FOR EXPANSION AND MOVEMENT CONDITIONS AT SITE AS FOLLOWS: EXTERIOR JOINTS ON VERTICAL SURFACES: NON-SAG POLYURETHANE; PECORA DYNATROL II OR TREMCO DYMERIC OR APPROVED EQUAL. HORIZONTAL PAVING JOINTS, INTERIOR AND EXTERIOR: SELF-LEVELLING POLYURETHANE; TREMCO THC 900 OR APPROVED EQUAL. CERAMIC TILE, TOILET FIXTURE JOINTS: SILICONE RUBBER; TREMCO PROGLAZE OR DOW 786 OR APPROVED EQUAL. INTERIOR JOINTS, JOINTS AT MIRRORS: ACRYLIC LATEX; TREMCO ACRYLIC LATEX OR APPROVED EQUAL. PRECOMPRESSED EXPANDING SEALANT TAPE; EMSEAL PC-SA OR APPROVED EQUAL. PAVEMENT JOINT FILLER: RESILIENT, PREMOLDED ASPHALT IMPREGNATED FIBERBOARD. PROVIDE PRIMERS, BOND BREAKERS, AND BACKER RODS COMPATIBLE WITH SEALANT AND ADJACENT SURFACES. EXAMINE SUBSTRATE; REPORT UNSATISFACTORY CONDITIONS IN WRITING. BEGINNING WORK MEANS ACCEPTANCE OF SUBSTRATES. PROVIDE SEALANTS IN COLORS AS SELECTED FROM MANUFACTURER'S STANDARDS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. CLEAN AND PRIME JOINTS, AND INSTALL BOND BREAKERS, BACKER RODS AND SEALANT AS RECOMMENDED BY MANUFACTURERS. DEPTH SHALL EQUAL WIDTH UP TO 1/2" WIDE; DEPTH SHALL EQUAL 1/2 WIDTH FOR JOINTS OVER 1/2" WIDE. CURE AND PROTECT SEALANTS AS DIRECTED BY MANUFACTURERS. REPLACE OR RESTORE DAMAGED SEALANTS. CLEAN ADJACENT SURFACES TO REMOVE SPILLAGE.

07920 SEALANTS USED SHALL BE POLYSULFIDE BASE, CHEMICAL CURING, NON-SAGGING TYPE FOR APPLICATION IN VERTICAL JOINTS, UNIFORM, HOMOGENEOUS AND FREE FROM LUMPS, SKINS, AND COARSE PARTICLES WHEN MIXED, CAPABLE OF BEING CONTINUOUSLY IMMERSED IN WATER, WITHSTAND MOVEMENT UP TO 16 PERCENT OF JOINT WIDTH AND SATISFACTORILY APPLIED THROUGHOUT A TEMPERATURE RANGE OF 40 TO 90 DEGREES F, SHORE A HARDNESS OF MINIMUM 15 AND MAXIMUM 50, CONFORMING TO REQUIREMENTS OF FS TT-S-227, TYPE II, CLASS A, NON-STAINING AND NON-BLEEDING, COLOR AS SELECTED BY ARCHITECT, "SYNTHACALK GC-5" MANUFACTURED BY PECORA OR "SONOLASTIC SEALANT" BY SONNEBORN OR "CN-60" BY MEADOWS.

08110 FLUSH HOLLOW METAL DOORS SHALL BE FACTORY FABRICATED FROM 18 GA.COLD ROLLED STEEL SHEETS CONFORMING TO ASTM A366. DOOR FRAMES SHALL BE FABRICATED FROM 16 GA. COLD ROLLED BONDERIZED STEEL SHEETS WITH WELDED MITERED CORNERS AND 10 GA. HINGE REINFORCEMENT AND 12 GA. STRIKE REINFORCEMENT. PREPARE DOORS TO RECEIVE FINISH HARDWARE IN ACCORDANCE WITH AWI & ANSI A117 REQUIREMENTS. CONFORM TO AWI & ANSI A117 REQUIREMENTS FOR FIT TOLERANCES. SUBMIT DOOR SCHEDULE AND DOOR MANUFACTURER'S LATEST PUBLISHED PRODUCT DATA INDICATING DOOR CONSTRUCTION, LABELING AND GUARANTEES TO ARCHITECT FOR REVIEW. FURNISH TWO (2) COPIES OF MANUFACTURER'S WRITTEN GUARANTEE BASED UPON THE STANDARD DOOR GUARANTEE OF THE NATIONAL WOODWORK MANUFACTURER'S ASSOCIATION.

08115 DOOR FRAMES SHALL BE FABRICATED FROM 16 GA. COLD ROLLED BONDERIZED STEEL SHEETS WITH WELDED MITERED CORNERS AND 10 GA. HINGE REINFORCEMENT AND 12 GA. STRIKE REINFORCEMENT. PREPARE DOORS TO RECEIVE FINISH HARDWARE IN ACCORDANCE WITH AWI & ANSI A117 REQUIREMENTS. CONFORM TO AWI & ANSI A117 REQUIREMENTS FOR FIT TOLERANCES. SUBMIT DOOR SCHEDULE AND DOOR MANUFACTURER'S LATEST PUBLISHED PRODUCT DATA INDICATING DOOR CONSTRUCTION, LABELING AND GUARANTEES TO ARCHITECT FOR REVIEW. FURNISH TWO (2) COPIES OF MANUFACTURER'S WRITTEN GUARANTEE BASED UPON THE STANDARD DOOR GUARANTEE OF THE NATIONAL WOODWORK MANUFACTURER'S ASSOCIATION.

08211 FLUSH WOOD DOORS SHALL BE BY SOLID WOOD CORE, DSP-20 DOORS BY WEYERHAEUSER COMPANY OR ARCHITECT APPROVED EQUAL WITH AWI PREMIUM GRADE, ROTARY SLICED, NATURAL BIRCH VENEER FACES, 3/4 INCH HARDWOOD, FINGER-JOINTED SIDE EDGES WITH 1/2 INCH THICK EDGE STRIPS OF WOOD SPECIES TO MATCH FACE VENEER, 1-1/8 INCH HARDWOOD OR SOFTWOOD TOP & BOTTOM EDGES, BONDED TO SOLID WOOD CORE, 1/16 IN. HARDWOOD CROSSBAND, TYPE I (WATERPROOF) FACE ASSEMBLY ADHESIVE, TYPE II (WATER RESISTANT) CORE ASSEMBLY ADHESIVE. INTERIOR DOOR FRAMES SHALL BE SOLID WOOD PAINT GRADE DOUGLAS FIR OR SOUTHERN PINE. DOORS AND FRAMES DESIGNATED TO BE LABELED BY THE DOOR SCHEDULE SHALL BEAR THE IDENTIFYING LABEL OF THE UNDERWRITERS LABORATORIES (UL) OR FACTORY MUTUAL ENGINEERING CORP. (FM). EXTERIOR DOOR FRAMES SHALL BE SOLID WOOD MILLED FROM ONE PIECE AS SHOWN ON THE DOOR JAMB DETAILS, WITH APPLIED TRIM.

08212 SUBMIT PRODUCT DATA, AND SHOP DRAWINGS INDICATING LOCATION, SIZE, AND HAND OF EACH DOOR; ELEVATION OF EACH KIND OF DOOR; CONSTRUCTION DETAILS NOT COVERED IN PRODUCT DATA; AND OTHER PERTINENT DATA. COMPLY WITH WDMA I.S.6, FOR QUALITY STANDARD." WHERE REQUIRED BY PLANS, PROVIDE FIRE-RATED WOOD DOORS THAT ARE LISTED AND LABELED. SAFETY GLASS SHALL COMPLY WITH TESTING REQUIREMENTS IN 16 CFR 1201, FOR CATEGORY II MATERIALS. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ALGOMA WOOD PRODUCTS OR APPROVED EQUAL. PROVIDE DOORS MADE WITH ADHESIVES AND COMPOSITE WOOD PRODUCTS THAT DO NOT CONTAIN UREA-FORMALDEHYDE RESINS. STILE AND RAIL DOORS SHALL BE OF STOCK DESIGN AND CONSTRUCTION. WOOD SPECIES FOR OPAQUE FINISH SHALL BE MANUFACTURER'S STANDARD SOFTWOOD SPECIES AND CUT FOR STILES AND RAILS; WITH PANELS OF SAME SPECIES OR WOOD-BASE CONSTRUCTION MATERIALS. GLASS FOR OPENINGS SHALL BE UNCOATED, CLEAR, FULLY TEMPERED FLOAT GLASS, 5.0 MM THICK. DOORS SHALL BE GRADE FOR OPAQUE FINISH. WOOD SPECIES FOR OPAQUE FINISH SHALL BE MANUFACTURER'S STANDARD SOFTWOOD SPECIES AND CUT FOR STILES AND RAILS; WITH PANELS OF SAME SPECIES OR WOOD-BASE CONSTRUCTION MATERIALS. DOOR CONSTRUCTION SHALL BE AS FOLLOWS: STILE AND RAIL CONSTRUCTION SHALL BE CLEAR SOFTWOOD; MAY BE EDGE GLUED FOR WIDTH AND FINGER JOINTED. RAISED-PANEL DOORS SHALL BE 1-3/4 INCHES THICK. FLAT-PANEL SHALL BE 1/2 INCH THICK. FABRICATE STILE AND RAIL WOOD DOORS IN SIZES INDICATED FOR PROJECT-SITE FITTING. FACTORY MACHINE DOORS FOR HARDWARE THAT IS NOT SURFACE APPLIED. GLAZE DOORS AT FACTORY WITH CLEAR FULLY TEMPERED GLASS. TRIM OPENINGS INDICATED FOR GLAZING WITH SOLID WOOD MOLDINGS, WITH ONE SIDE REMOVABLE. SHOP APPLY ONE COAT OF WOOD PRIMER SPECIFIED IN DIVISION 9 SECTION "PAINTING" TO FACES AND EDGES OF DOORS. INSTALL WOOD DOORS TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND WITH REFERENCED QUALITY STANDARD, AND AS INDICATED. INSTALL FIRE-RATED DOORS IN CORRESPONDING FIRE-RATED FRAMES ACCORDING TO NFPA 80. ALIGN AND FIT DOORS IN FRAMES WITH UNIFORM CLEARANCES AND BEVELS AS INDICATED BELOW; DO NOT TRIM STILES AND RAILS IN EXCESS OF LIMITS SET BY MANUFACTURER OR PERMITTED WITH FIRE-RATED DOORS. MACHINE DOORS FOR HARDWARE. SEAL CUT SURFACES AFTER FITTING AND MACHINING. CLEARANCES: PROVIDE 1/8 INCH AT HEADS, JAMBS, AND BETWEEN PAIRS OF DOORS. PROVIDE 1/8 INCH FROM BOTTOM OF DOOR TO TOP OF DECORATIVE FLOOR FINISH OR COVERING. WHERE THRESHOLD IS SHOWN OR SCHEDULED, PROVIDE 1/4 INCH FROM BOTTOM OF DOOR TO TOP OF THRESHOLD. ALIGN DOORS IN FRAMES FOR UNIFORM CLEARANCE AT EACH EDGE.

08305 PROVIDE ACCESS DOORS FOR ACCESS TO VALVES, CONTROLS, AND CONCEALED ITEMS REQUIRING MAINTENANCE. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DOORS SHALL BE 14 GAGE FOR NON-FIRE-RATED UNITS; 20 GAGE FOR FIRE-RATED UNITS; RECESSED STEEL PANEL DOORS TO ACCEPT FIELD FINISH OF DRYWALL OR TILE; CAM LOCKS EXCEPT KEY LOCKS AT PUBLIC AREAS. FRAMES SHALL BE 16 GAGE WITH CONCEALED FLANGES FOR DRYWALL AND TILE; AND 1" EXPOSED FLANGES FOR INSTALLATION INTO CONCRETE OR MASONRY. UNITS SHALL BE PRIMED FINISH FOR FIELD FINISH. COMPLY WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALL PLUMB, LEVEL AND SQUARE. INSTALL FIRE-RATED UNITS TO COMPLY WITH FIRE-RESISTANCE RATING REQUIRED. COORDINATE INSTALLATION AND FIELD FINISHING WITH WORK OF OTHER TRADES. ADJUST HARDWARE AND OPERATION. REPAIR OR REPLACE DAMAGED UNITS.

08410 PROVIDE ALUMINUM ENTRANCES AND STOREFRONT INCLUDING EXTERIOR ENTRANCE DOORS AND FRAMES, AND EXTERIOR STOREFRONT TYPE FRAMING SYSTEM. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA, DADE COUNTY PRODUCT APPROVAL AND WARRANTY. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. STILE-AND-RAIL DOOR TYPE, 1-3/4" THICK, MEDIUM STILE (3" WIDTH) WITH MECHANICALLY FASTENED AND REINFORCED JOINTS; COMPRESSION AND SLIDING WEATHERSTRIPPING. FRAMING SYSTEM UNITS FABRICATED FROM ALUMINUM EXTRUSIONS, ASTM B 221, AND SHEET, ASTM B 209; WITH THERMAL BREAK; KAWNEER COMPANY, INC. OR APPROVED EQUAL. METAL FINISH SHALL BE FLUOROPOLYMER FINISH, 2-COAT, KYNAR 500. GLAZING SHALL BE IMPACT RESISTANT LAMINATED SINGLE-GLAZING OF TEMPERED GLASS. HARDWARE: CENTER PIVOTS, OVERHEAD-CONCEALED CLOSERS, STOPS, THRESHOLD, DEADLOCKS AND KEYED CYLINDERS; PUSH/PULL BARS OR PANIC HARDWARE AND PULL BAR. TAKE FIELD MEASUREMENTS BEFORE FABRICATION WHERE POSSIBLE; DO NOT DELAY JOB PROGRESS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. ANCHOR SECURELY IN PLACE; INSTALL PLUMB, LEVEL AND IN TRUE ALIGNMENT. ISOLATE DISSIMILAR MATERIALS TO PREVENT CORROSION. COORDINATE WITH GLASS AND GLAZING WORK; INSTALL HARDWARE AND ADJUST FOR SMOOTH, PROPER OPERATION. CLEAN AND PROTECT COMPLETED SYSTEM; REPAIR DAMAGE.

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SPECIFICATIONS

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