

SPECIFICATIONS:

SECTION 07 92 00 / JOINT SEALANTS

GUARANTEE

52. CAULKING AND SEALANT SHALL RECEIVE A WRITTEN 5_YEAR GUARANTEE.

JOB CONDITIONS

53. DO NOT APPLY SEALANTS IN TEMPERATURES OR ON MATERIALS BELOW 40° F. DO NOT APPLY SEALANTS TO SURFACES THAT ARE WET. CAULK JOINTS BEFORE FINAL COAT OF PAINT OR BEFORE APPLICATION OF COLOR OR STAIN WATERPROOFING COMPOUNDS.

MATERIALS

54. SEALANT SHALL BE SILICONE BASE CONFORMING TO FS TT_S_001543, TYPE II, AND CLASS A, AS MANUFACTURED BY DOW CORNING CORPORATION OR GENERAL ELECTRIC COMPANY. COLOR OF SEALANT SHALL BE AS SELECTED. SEALANTS SHALL CONFORM TO THE FOLLOWING:

- a. TRAFFIC JOINTS AND HORIZONTAL JOINTS: ASTM TYPE S GRADE P, CLASS 25, USE T

4. OTHER JOINTS: ASTM TYPE S, GRADE NS, CLASS 25, USE NT, M, A, O

5. SEALANT SHALL BE ACRYLIC LATEX BASE CONFORMING TO ASTM C834. COLORS SHALL BE AS SELECTED.

6. SEALANTS USED ON EXTERIOR OF PROJECT ARE TO BE SINGLE COMPONENT POLYURETHANE BASE, INCLUDING INSIDE SURFACE OF EXTERIOR JOINTS.

7. SEALANTS USED ON INTERIOR OF PROJECT ARE TO BE ACRYLIC LATEX BASE.

8. SEALANTS IN FOOD SERVICE, FOOD PREPARATION AND FOOD STORAGE AREAS ARE TO BE SILICONE OR POLYURETHANE BASE.

9. PRIMER, OF A TYPE COMPATIBLE WITH EACH SPECIFIC SEALANT AS RECOMMENDED BY THE SEALANT MANUFACTURER. THE PRIMER SHALL HAVE BEEN TESTED FOR NON-STAINING CHARACTERISTICS AND DURABILITY ON SAMPLES OF ACTUAL SURFACES TO BE SEALED.

10. BACK-UP MATERIALS AND PREFORMED JOINT FILLERS SHALL BE NON-STAINING, COMPATIBLE WITH SEALANT AND PRIMER, AND OF A RESILIENT NATURE, SUCH AS CLOSED CELL POLYETHYLENE ROD, CLOSED CELL URETHANE OR NEOPRENE ROD, OR ELASTOMERIC TUBING OR ROD (NEOPRENE, BUTYL, OR EPDM). MATERIALS IMPREGNATED WITH OIL, BITUMEN OR SIMILAR MATERIALS SHALL NOT BE USED. SIZE AND SHAPE SHALL BE AS RECOMMENDED BY SEALANT MANUFACTURER. SEALANT SHALL NOT ADHERE TO BACK-UP MATERIAL.

11. BOND BREAKERS (WHERE REQUIRED) SHALL BE POLYETHYLENE TAPE AS RECOMMENDED BY MANUFACTURER OF SEALANT.

12. SOLVENTS, CLEANING AGENTS AND ACCESSORY MATERIALS SHALL BE AS RECOMMENDED BY SEALANT MANUFACTURER.

EXECUTION

13. APPLY SEALANT UNDER PRESSURE WITH HAND OR POWER ACTUATED GUN. GUN SHALL HAVE NOZZLE OF PROPER SIZE AND PROVIDE SUFFICIENT PRESSURE TO COMPLETELY FILL JOINTS AS DESIGNED. JOINT SURFACES SHALL BE TOOLED TO PROVIDE THE CONTOUR AS INDICATED.

14. PREPARATION:

15. THOROUGHLY CLEAN JOINTS, REMOVING FOREIGN MATTER SUCH AS DUST, OIL, GREASE, WATER, SURFACE DIRT AND FROST. SEALANT MUST BE APPLIED TO THE BASE SURFACE. PREVIOUSLY APPLIED PAINT OR PRIMER MUST BE ENTIRELY REMOVED.

16. POROUS MATERIALS SUCH AS CONCRETE OR MASONRY SHALL BE CLEANED WHERE NECESSARY BY GRINDING, BLAST CLEANING, MECHANICAL ABRADING, ACID WASHING OR COMBINATION OF THESE METHODS TO PROVIDE A CLEAN, SOUND BASE SURFACE FOR SEALANT ADHESION. LATEXES SHALL BE REMOVED BY ACID WASHING, GRINDING OR MECHANICAL ABRADING. FORM OILS SHALL BE REMOVED BY BLAST CLEANING.

17. LOOSE PARTICLES PRESENT OR RESULTING FROM GRINDING, ABRADING OR BLAST CLEANING SHALL BE REMOVED BY BLOWING OUT JOINTS WITH OIL-FREE COMPRESSED AIR OR VACUUMING PRIOR TO APPLICATION OF PRIMER OR SEALANT.

18. NON-POROUS SURFACES, SUCH AS METAL AND GLASS, SHALL BE CLEANED EITHER MECHANICALLY AND CHEMICALLY. PROTECTIVE COATINGS ON METALLIC SURFACES SHALL BE REMOVED BY A SOLVENT THAT LEAVES NO RESIDUE. SOLVENT SHALL BE USED WITH CLEAN CLOTHS. DO NOT ALLOW SOLVENT TO AIR DRY WITHOUT WIPING.

19. FOR JOINTS IN CONCRETE OR MASONRY: DEPTH OF THE SEALANT MAY BE EQUAL TO THE WIDTH IN JOINTS UP TO 1/4" WIDE. FOR JOINTS 1/2" TO 1" WIDE: DEPTH SHALL BE 1/2". FOR EXPANSION AND OTHER JOINTS 1" TO 2" WIDE: DEPTH SHALL NOT BE GREATER THAN 1/2 THE APPLIED SEALANT WIDTH. FOR JOINTS EXCEEDING 2" IN WIDTH, DEPTH SHALL BE AS DIRECTED BY SEALANT MANUFACTURER.

20. FOR JOINTS IN METAL, GLASS AND OTHER NON-POROUS SURFACES: SEALANT DEPTH SHALL BE A MINIMUM OF 1/2 THE APPLIED SEALANT WIDTH, AND SHALL NOT EXCEED THE SEALANT WIDTH.

21. JOINTS TO RECEIVE SEALANT, BACK-UP MATERIAL OR PRE-FORMED JOINT FILLER SHALL BE CLEANED, BAKED TO FULL WIDTH AND DEPTH AS REQUIRED. JOINTS SHALL BE OF SUFFICIENT WIDTH AND DEPTH TO ACCOMMODATE SPECIFIED BACK-UP MATERIAL OR PREFORMED JOINT FILLER AND SEALANT.

22. APPLICATION: INSTALL BACK-UP MATERIAL OR JOINT FILLER, OF TYPE AND SIZE SPECIFIED, AT PROPER DEPTH TO PROVIDE SEALANT DIMENSIONS. BACK-UP MATERIAL SHALL BE OF SUITABLE SIZE AND SHAPE, AND COMPRESSED 25% TO 50% TO FIT JOINTS AS REQUIRED. SEALANT SHALL NOT BE APPLIED WITHOUT BACK-UP MATERIAL OR BOND BREAKER STRIP. WHEN USING BACK-UP TUBE AVOID LENGTHWISE STRETCHING.

23. APPLY MASKING TAPE, WHERE REQUIRED, IN CONTINUOUS STRIPS IN ALIGNMENT WITH JOINT EDGE.

24. PRIME SURFACES WITH PRIMER WHERE RECOMMENDED BY MANUFACTURER. FOLLOW MANUFACTURER'S INSTRUCTIONS REGARDING MIXING, SURFACE PREPARATION, PRIMING, APPLICATION LIFE, AND APPLICATION PROCEDURE.

25. CLEAN ADJACENT SURFACES OF SEALANT AS WORK PROGRESSES. USE SOLVENT OR CLEANING AGENT AS RECOMMENDED BY MANUFACTURER.

SCHEDULE

26. PROVIDE CAULKING AT FOLLOWING LOCATIONS INTERIOR AND EXTERIOR: (THIS SCHEDULE IS NOT TO BE CONSTRUED TO BE COMPLETE. PROVIDE CAULKING AT OTHER AREAS AS REQUIRED.)

- a. CONTROL JOINTS IN MASONRY AND CONCRETE SURFACES.
b. PERIMETER OF WINDOW AND DOOR FRAMES.
c. PERIMETER OF LOUVERS AND GRILLES.
d. PERIMETER OF ALUMINUM SECTIONS AND BELOW SILL MEMBERS.
e. TOP EDGE OF REGLET AND COUNTER FLASHING ASSEMBLIES.
f. TOP OF EDGE OF ELASTOMERIC FLOOR FINISH AND CONCRETE CURBS.
g. AT INTERIOR PARTITIONS CAULKING IS REQUIRED AT JOINTS BETWEEN DISSIMILAR MATERIALS WHERE THE JOINT WIDTH EXCEEDS 1/16".

SANITARY CAULKING

27. TYPICAL JOINTS TO BE CAULKED ARE AS FOLLOWS: JUNCTURE OF WALL PANELS WITH FLOOR OR BASE; JUNCTURE OF EXHAUST HOODS WITH WALLS; JUNCTURE OF DOOR JAMBS OR JAMB COVERS WITH WALLS; JUNCTURE OF FIXTURE AND EQUIPMENT BASES AND LEGS WITH FLOOR AND WALL; JUNCTURE OF CONCRETE CURBS TO WALLS, AROUND PLUMBING FIXTURES.

28. CONTRACTOR SHALL BE RESPONSIBLE FOR ACCEPTANCE OF CAULKING UNDER THIS DIVISION BY THE HEALTH DEPARTMENT.

SECTION 08 12 00 / ALUMINUM DOORS AND FRAMES

1. SUBMIT SHOP DRAWINGS COMPLYING WITH SECTION 01 33 00 FOR WORK IN THIS SECTION

- a. SUBMIT 2 COPIES OF MANUFACTURER'S SPECIFICATIONS.

- RECOMMENDATIONS AND STANDARD DETAILS FOR ALUMINUM DOORS, FRAMES AND COMPONENTS OF THE WORK. INCLUDE WALL ELEVATIONS AT 1/2" SCALE, AND FULL SIZE DETAIL SECTIONS OF EVERY TYPICAL COMPONENT MEMBER, SHOW ANCHORS, JOINT SYSTEM, EXPANSION PROVISIONS, AND OTHER COMPONENTS NOT INCLUDED IN MANUFACTURER'S STANDARD DATA. INCLUDE GLAZING DETAILS.

- b. SUBMIT 3 SAMPLES OF EACH REQUIRED ALUMINUM FINISH ON 12" LONG EXTRUSIONS OR 6" SQUARE SHEETS OF THE ALLOY TO BE USED FOR THE WORK, WHERE NORMAL COLOR AND TEXTURE VARIATIONS ARE TO BE EXPECTED. INCLUDE 2 OR MORE UNITS IN EACH SAMPLE, TO SHOW THE RANGE OF SUCH VARIATIONS. SAMPLES WILL BE REVIEWED BY ARCHITECT FOR COLOR AND TEXTURE ONLY. =

2. ARCHITECT RESERVES THE RIGHT TO REQUIRE SAMPLES OF TYPICAL FABRICATED SECTIONS, SHOWING JOINTS, EXPOSED FASTENINGS (IF ANY), QUALITY OF WORKMANSHIP, HARDWARE AND ACCESSORY ITEMS, BEFORE FABRICATION OF THE WORK PROCEEDS. =

3. EXCEPT AS OTHERWISE INDICATED, THE REQUIREMENTS FOR ALUMINUM DOORS AND FRAMES, AND THE TERMINOLOGY USED IN THIS SECTION, ARE THOSE OF NAAMM, AAMA AND AA AND IN PARTICULAR, THOSE OF THE "ENTRANCE MANUAL" BY NAAMM. =

JOB CONDITIONS

4. COORDINATION OF FABRICATION: FIELD VERIFY THE ACTUAL OPENINGS IN THE CONSTRUCTION WORK BY ACCURATE FIELD MEASUREMENT BEFORE FABRICATION, AND SHOW RECORDED MEASUREMENTS ON FINAL SHOP DRAWINGS. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS AS DIRECTED AND AVOID DELAYS OF THE WORK.

PRODUCTS

5. SPECIFICATIONS ARE BASED ON PRODUCTS AS MANUFACTURED BY KAWNEER COMPANY. COMPARABLE PRODUCTS AS MANUFACTURED BY U.S. ALUMINUM CO. OR NORTHROP ARCHITECTURAL SYSTEMS (ARCADIA) ARE ACCEPTABLE FOR BIDDING.

6. SIZES AND PROFILES: THE REQUIRED SIZES FOR DOOR AND FRAME UNITS ARE SHOWN ON THE DRAWINGS. REFER TO THE DOOR AND WINDOW SCHEDULES.

FRAMES

7. FRAME MATERIAL SHALL BE TRIFAB V450, CENTER PLANE. FURNISH NECESSARY MATERIAL, LABOR, AND EQUIPMENT FOR THE COMPLETE INSTALLATION OF THE FOLLOWING: GLASS FRAMING, VERTICAL AND HORIZONTAL MULLIONS, TRANSITIONAL MEMBERS CONNECTING THESE COMPONENTS, SILL FLASHING OR RECEPTOR, ADAPTERS AND MOUNTINGS FOR TRIM MOLDINGS AND FACING MATERIALS.

8. FRAMING MEMBERS, TRANSITION MEMBERS, MULLIONS, ADAPTERS, AND MOUNTINGS SHALL BE EXTRUDED OF ALUMINUM ALLOY AND TEMPER CONSISTENT WITH THE METHOD OF MANUFACTURE. THESE MEMBERS SHALL BE OF 6063 T5 EXTRUDED ALUMINUM ALLOY (ASTM B221 _ALLOY G.S. 10A75).

9. SCREWS, MISCELLANEOUS FASTENING DEVICES, AND INTERNAL COMPONENTS SHALL BE OF ALUMINUM, STAINLESS STEEL, OR ZINC PLATED STEEL IN ACCORDANCE WITH ASTM A_164.

10. GLASS FRAMING MEMBERS SHALL PROVIDE FOR FLUSH GLAZING WITH THROUGH SIGHT LINES, WITHOUT PROJECTING STOPS. FOR GLASS SIZES 1/4" IN THICKNESS OR FOR INSULATING GLASS OF 1" IN THICKNESS, SYSTEM SHALL PROVIDE RESILIENT SETTINGS FOR GLASS BY USE OF EPDM ELASTOMERIC EXTRUSIONS.

11. INCLUDE FLASHINGS IN CONJUNCTION WITH COMPONENTS AS DETAILED, FINISHED TO MATCH.

ALUMINUM DOORS

12. PERFORMANCE: RESISTANCE TO CORNER RACKING SHALL BE TESTED BY THE DUAL MOMENT LOAD TEST AS FOLLOWS:

13. TEST SECTION SHALL CONSIST OF STANDARD TOP DOOR CORNER ASSEMBLY. SIDE RAIL SECTION SHALL BE 24" LONG AND TOP RAIL SECTION 12" LONG. ANCHOR "TOP RAIL" POSITIVELY TO TEST BENCH SO THAT CORNER PROTRUDES 3" BEYOND BENCH EDGE.

14. ANCHOR A LEVER ARM POSITIVELY TO SIDE RAIL AT A POINT 19" FROM INSIDE EDGE OF TOP RAIL. ATTACH WEIGHT SUPPORT PAD AT A POINT 19" FROM INNER EDGE OF SIDE RAIL.

SECTION 08 12 00 / ALUMINUM DOORS AND FRAMES (CONTINUED)

15. TEST SECTION SHALL WITHSTAND A LOAD OF 190 POUNDS ON THE LEVER ARM BEFORE REACHING THE POINT OF FAILURE, WHICH SHALL BE CONSIDERED A ROTATION OF THE LEVER ARM IN EXCESS OF 450.

16. WORK REQUIRED: PROVIDE ALUMINUM DOORS AS FOLLOWS:

- a. KAWNEER NARROW STYLE 190 ENTRANCE WITH A 12" ADA COMPLIANT BOTTOM RAIL.
b. KAWNEER MEDIUM STYLE 350 ENTRANCE WITH A 12" ADA COMPLIANT BOTTOM RAIL.

17. PROVIDE SINGLE AND/OR PAIRS AS INDICATED IN THE DOOR SCHEDULE ON THE DRAWINGS.

MATERIALS

18. SECTIONS SHALL BE EXTRUDED FOR 6063 T5 ALUMINUM ALLOY (ASTM B221 _ALLOY G.S. 10A TS).

19. FASTENERS, WHERE EXPOSED, SHALL BE ALUMINUM, STAINLESS STEEL OR PLATED STEEL IN ACCORDANCE WITH ASTM A_164. PERIMETER ANCHORS SHALL BE ALUMINUM OR STEEL, PROVIDING THE STEEL IS PROPERLY ISOLATED FROM THE ALUMINUM.

20. GLAZING GASKETS SHALL BE EPDM ELASTOMERIC EXTRUSIONS.

21. MAJOR PORTIONS OF THE DOOR STILES SHALL BE 0.125" IN THICKNESS AND GLAZING MOLDING SHALL BE 0.050" THICK.

CONSTRUCTION

22. NARROW STYLE 190: VERTICAL STILES 2-1/8", TOP RAIL 2-1/4", BOTTOM RAIL 12"

23. MEDIUM STYLE 350: VERTICAL STILES 3-1/2", TOP RAIL 3-1/2", BOTTOM RAIL 12"

24. CORNER CONSTRUCTION SHALL CONSIST OF BOTH _ SIGMA DEEP PENETRATION AND FILLET WELD AND MECHANICAL CLIP FASTENING. GLAZING STOPS SHALL BE SNAP-IN TYPE WITH EPDM GLAZING GASKETS.

25. DOOR SHALL BE WEATHER STRIPPED ON 3 SIDES WITH METAL _BACKED PILE CLOTH INSTALLED IN DOOR AND/OR FRAME. A WEATHER-STRIPPED ADJUSTABLE ASTRAGL WITH STAINLESS STEEL BACKING SHALL BE PROVIDED AT PIVOTED STILES AND AT MEETING STILES OF PAIRS OF DOORS. BOTTOM SHALL BE WEATHER STRIPPED WITH AN EPDM BLADE GASKET SWEEP STRIP APPLIED WITH CONCEALED FASTENERS IF FURNISHED BY ALUMINUM DOOR MANUFACTURER.

26. HARDWARE SPECIFIED BELOW FOR ALUMINUM DOORS SHALL BE FURNISHED AND INSTALLED BY THE DOOR MANUFACTURER.

- a. LOCKS _ACTIVE LEAF: ADAMS RITE DEADLOCK
b. HINGES/PIVOTS: MANUFACTURER'S STANDARD
c. CLOSER: MANUFACTURER'S STANDARD AND BE ADA COMPLIANT.

- d. PUSH PULL HARDWARE: MANUFACTURER'S STANDARD AND BE ADA COMPLIANT.

- e. THRESHOLD: MANUFACTURER'S STANDARD AND BE ADA COMPLIANT.

- COMPLIANT.
1. SWEEPS: MANUFACTURER'S STANDARD
9. WEATHER-STRIPPING MANUFACTURER'S STANDARD

27. COLOR SHALL MATCH DOOR COLOR.

ALUMINUM FINISHES

28. AFTER FABRICATION OF DOORS AND FRAMES PREPARE THE ALUMINUM SURFACES FOR FINISHING IN ACCORDANCE WITH THE ALUMINUM PRODUCERS RECOMMENDATIONS AND STANDARDS OF THE FINISHER OR PROCESSOR. PROCESS COMPONENTS OF EACH ASSEMBLY SIMULTANEOUSLY TO ATTAIN COMPLETE UNIFORMITY OF COLOR. FACTORY APPLY THE SPECIFIED COLOR AND FINISH.

29. COLORED ANODIZED FINISH: AA_M12C2244 CLASS 1 (MINIMUM THICKNESS OF 0.7 MILLS), INTEGRAL COLOR PERMANODIC.

30. COLORED POWDER COATED FINISH: AAMA 2604-98 (MINIMUM THICKNESS OF 1.2 MILLS), INTERPON D2000 PERFORMANCE.

31. REFER TO THE FINISH AND COLOR SCHEDULE ON THE DRAWINGS FOR ALUMINUM FINISHES AND COLOR.

FABRICATION

32. COMPLETE THE CUTTING, FITTING, FORMING, DRILLING, AND GRINDING OF METAL WORK PRIOR TO CLEANING, FINISHING, TREATMENT, AND APPLICATION OF COATINGS.

33. WELD BY METHODS RECOMMENDED BY THE MANUFACTURER AND AWS TO AVOID DISCOLORATION AT WELDS. GRIND EXPOSED WELDS SMOOTH AND RESTORE MECHANICAL FINISH. REMOVE ARISING FROM CUT EDGES AND EASE EDGES AND CORNERS TO A RADIUS OF APPROXIMATELY 1/16".

34. CONCEAL FASTENERS, WHEREVER POSSIBLE, EXCEPT AS OTHERWISE SHOWN.

35. MAINTAIN CONTINUITY OF LINE AND ACCURATE RELATION OF PLANES AND ANGLES. PROVIDE SECURE ATTACHMENT AND SUPPORT AT MECHANICAL JOINTS, WITH HAIRLINE FIT OF CONTACTING MEMBERS.

36. REINFORCE THE WORK AS NECESSARY FOR PERFORMANCE REQUIREMENTS AND FOR SUPPORT TO THE STRUCTURE. SEPARATE DISSIMILAR METALS WITH BITUMINOUS PAINT OR PREFORMED SEPARATORS, WHICH WILL PREVENT CORROSION. SEPARATE METAL SURFACES AT MOVING JOINTS WITH NONMETALLIC SEPARATORS TO PREVENT "FREEZE-UP" OF JOINTS.

ALUMINUM FRAMES

37. FABRICATE TUBULAR FRAME ASSEMBLIES WITH EITHER WELDED OR MECHANICAL JOINTS IN ACCORDANCE WITH MANUFACTURER'S STANDARDS, WITH CONCEALED FASTENERS WHEREVER POSSIBLE.

38. PROVIDE MEMBERS OF THE SIZE, SHAPE, AND PROFILE SHOWN. REINFORCE INTERNALLY WITH STEEL CHANNEL SHAPES OR AS NECESSARY TO SUPPORT THE REQUIRED LOADS.

39. FOR SINGLE, ACTING PIVOTED DOORS WITHOUT CONTINUOUS DOORSTOPS, PROVIDE MANUFACTURER'S STANDARD CLIP TYPE DOORSTOPS FOR HEAD MOUNTING, EQUIPPED WITH NEOPRENE BUMPERS.

40. WEATHER-STRIPPING: PROVIDE COMPRESSION WEATHER STRIPPING ON DOOR CONTACT FACE OF DOORSTOPS ON EXTERIOR DOOR FRAMES AND/OR OTHER FRAMES WHERE INDICATED.

41. PROVIDE GLAZING SYSTEM FOR FRAMES TO RECEIVE LIGHTS. DESIGN SYSTEM FOR REPLACEMENT OF GLASS, BUT FOR NON-REMOVAL OF GLASS FROM EXTERIOR.

42. PROVIDE MANUFACTURER'S STANDARD "FLUSH GLAZING" SYSTEM OF RECESSED CHANNELS AND CAPTIVE GLAZING GASKETS.

43. FABRICATE FRAME ASSEMBLIES FOR EXTERIOR WALLS WITH FLASHING AND WEEPS TO DRAIN PENETRATING MOISTURE TO EXTERIOR. PROVIDE ANCHORAGE AND ALIGNMENT BRACKETS FOR CONCEALED SUPPORT OF ASSEMBLY FROM THE BUILDING STRUCTURE. ALLOW FOR THERMAL EXPANSION OF EXTERIOR UNITS.

HARDWARE INSTALLATION AT FACTORY

44. CUT, REINFORCE, DRILL AND TAP FRAMES AS REQUIRED TO RECEIVE HARDWARE, EXCEPT DO NOT DRILL AND TAP FOR SURFACE-MOUNTED ITEMS UNTIL THE TIME OF INSTALLATION AT THE PROJECT SITE. COMPLY WITH HARDWARE MANUFACTURER'S INSTRUCTION AND TEMPLATE REQUIREMENTS. USE CONCEALED FASTENERS WHEREVER POSSIBLE.

45. INSTALL HARDWARE, EXCEPT SURFACE-MOUNTED HARDWARE, AT FABRICATION PLANT. REMOVE ONLY AS REQUIRED FOR FINAL FINISHING OPERATIONS, AND FOR DELIVERY AND INSTALLATION OF THE WORK AT THE PROJECT SITE.

INSTALLATION

46. COMPLY WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS FOR THE INSTALLATION OF ALUMINUM DOORS AND FRAMES.

47. SET UNITS PLUMB, LEVEL AND TRUE IN LINE, WITHOUT WARP OR RACK OF FRAMES, DOORS OR PANELS. ANCHOR SECURELY IN PLACE. SEPARATE ALUMINUM AND OTHER CORRODIBLE METAL SURFACES FROM SOURCES OF CORROSION OR ELECTROLYTIC ACTION AT POINTS OF CONTACT WITH OTHER MATERIALS. SURFACE SEAL ALUMINUM AT DISSIMILAR MATERIALS BOTH INSIDE AND OUTSIDE.

48. SET SILL MEMBERS AND OTHER MEMBERS IN A BED OF SEALANT OR WITH JOINT FILLERS OR GASKETS AS SHOWN TO PROVIDE WEATHER-TIGHT CONSTRUCTION.

SECTION 08 14 00 / WOOD DOORS

1. STANDARDS: AWW QUALITY STANDARDS, 4TH EDITION, AND ANSI A_208.

2. SUBMIT SHOP DRAWINGS COMPLYING WITH SECTION 01 33 00 FOR WORK IN THIS SECTION.

- a. SHOP DRAWINGS SHALL SHOW, AT LARGE SCALE, THE ARRANGEMENT _F PATTERN THICKNESS, SIZE OF PARTS, SIZE AND LOCATION OF CUTOUTS IN DOORS, FULL SIZE MOLDING PROFILES, FACE VENEERS, CORE CONSTRUCTION AND DOOR MANUFACTURER'S NAME.

3. FURNISH MANUFACTURER'S STANDARD, LIFE OF THE INSTALLATION. GUARANTEE FOR DOORS. REPAIR OR REPLACEMENT SHALL INCLUDE REASONABLE COST FOR REHANGING AND REFINISHING.

4. OBTAIN DETAILED INSTRUCTIONS ON THE LIMITATIONS IMPOSED ON THIS GUARANTEE BY THE DOOR MANUFACTURER AND HIS RECOMMENDATIONS WITH RESPECT TO STORAGE, INSTALLATION AND MAINTENANCE, INCLUDING SEALING AND FINISHING.

PRODUCTS

5. SOLID CORE DOORS: THE FOLLOWING DOOR MANUFACTURERS ARE APPROVED FOR USE ON THIS PROJECT, SUBJECT TO THE REQUIREMENTS OF THE SPECIFICATIONS AND DRAWINGS.

6. GENERAL VENEER MANUFACTURING COMPANY
a. WEYERHAEUSER
b. CAL_WOOD DOOR

MATERIALS

7. SOLID CORE WOOD DOORS: SHELL BE FLUSH DESIGN DOORS.

8. FACE VENEERS: TEMPERED HARDBOARD, CUSTOM GRADE, FOR AN OPAQUE FINISH.

9. CROSS BANDS: THOROUGHLY DRIED HARDWOOD, 1/16" MINIMUM THICKNESS, EXTENDING THE FULL WIDTH OF THE DOOR AND LAID WITH THE GRAIN AT RIGHT ANGLES TO THE FACE VENEERS.

10. CORE: TYPE PC_5, PARTICLE BOARD GRADE L_L_L_L.

11. SIDE STILE EDGES: DOUBLE THICKNESS, MINIMUM 1_3/8"; OF SAME SPECIES OF WOOD AS FACE VENEERS. OUTER EDGE BAND SHALL BE ONE PIECE, NO FINGER JOINTS. TOP AND BOTTOM RAIL EDGES OF DOUBLE THICKNESS, MINIMUM 1_1/8" THOROUGHLY KILN-DRIED HARDWOOD. FOR PIVOT HINGES, CONCEALED CLOSERS OR HOLDERS, OR OTHER HARDWARE MORTISED INTO TOP AND BOTTOM EDGES. EDGES SHALL BE A MINIMUM 4_1/2" THOROUGHLY KILN-DRIED HARDWOOD. LAMINATE EDGES TO THE CORE, PRIOR TO THE APPLICATION OF CROSS BANDS AND FACES WITH TYPE II ADHESIVE PER CS_35, AS REVISED; TYPE I ADHESIVE FOR EXTERIOR DOORS.

12. TRANSOM PANELS: PROVIDE MATCHING TRANSOM ABOVE DOORS WHERE DETAILED, TO MATCH DOORS.

13. HOLLOW CORE WOOD DOORS: FLUSH.

14. FACE VENEERS AND CROSS BANDS: AS SPECIFIED FOR SOLID CORE DOORS.

15. CORE: AWI TYPE IHC.

16. PRE-FITTING: PRE-FIT DOORS AT FACTORY IN ACCORDANCE WITH TOLERANCE REQUIREMENTS OF THE NWMA STANDARDS WITH ALLOWANCES FOR SPECIFIC UNDERCUTS AS INDICATED ON THE DOOR SCHEDULE. PROVIDE STANDARD BEVEL OR RADIUS TO EDGE OF DOOR AS REQUIRED FOR THE INSTALLATION.

17. LABELED WOOD DOORS: FLUSH AWI TYPE FD MINERAL CORE, FACES AND FINISHED AS SPECIFIED ABOVE FOR THE UL LABEL AS LISTED. EDGES SHALL BE FIRE TREATED AND SHALL BE OF SAME SPECIES FINISHED TO MATCH DOOR FACES. SCHEDULE HARDWARE IN ACCORDANCE WITH THE MANUFACTURER'S DATA OR UNDERWRITERS' LABORATORIES LISTINGS. PRE-FIT DOORS TO 1/8" UNDER NET OPENING WIDTH AND 7/16" UNDER NET HEIGHT. WHERE TRANSOMS ARE INDICATED AT LABELED DOORS, CONSTRUCT TRANSOM PANELS TO MEET UL REQUIREMENTS.

INSTALLATION

18. DO NOT INSTALL DOORS UNTIL PLASTER AND WALLBOARD OPERATIONS ARE COMPLETED AND BUILDINGS ARE PROTECTED FROM EXCESSIVE TEMPERATURE CHANGES. APPLY PAINTER'S FINISH AS SOON AS PRACTICABLE AFTER THE DOORS ARE HUNG, WITH PARTICULAR ATTENTION TO SEALING EDGES.

19. INSTALL DOORS IN FRAMES WHERE INDICATED. HINGE DOORS WITH CLEARANCE OF NOT MORE THAN 3/32" AT EACH SIDE, AND HEAD; CLEARANCE AT BOTTOM 1/16" ABOVE FINISH FLOORING OR AS REQUIRED FOR THRESHOLD. MORTISE, DRILL, OR OTHERWISE WORK DOORS FOR FINISH HARDWARE AS SCHEDULED, BEVELING LOCK EDGE TO ALLOW FOR PROPER CLEARANCE IN OPENING AND CLOSING DOORS. REMOVE DOORS AFTER FITTING FOR FINISHING. REHANG AFTER FINISHING.

SECTION 08 31 00 / ACCESS DOORS AND FRAMES

1. METAL ACCESS DOORS AS MANUFACTURED BY MILCOR. COMPARABLE PRODUCTS AS MANUFACTURED BY BILCO OR KARP ARE ACCEPTABLE.

METAL ACCESS DOORS

2. ACCESS DOORS IN PLASTER SURFACES SHALL BE STYLE K.
a. K 16"x16" OR K 24"x24" DEPENDING ON STUD SPACING
b. K 20"x30" IN PLASTER CEILINGS FOR CRAWL SPACE ACCESS

3. ACCESS DOORS IN MASONRY OR TILE SURFACES SHALL BE STYLE M.
a. M 16"x16" OR M 24"x24" DEPENDING ON STUD SPACING

4. ACCESS DOORS IN WALLBOARD SURFACES SHALL BE STYLE DW.
a. DW 14"x14" OR DW 22"x22" DEPENDING ON STUD SPACING
b. M 20"x 30" IN WALLBOARD CEILINGS FOR CRAWL SPACE ACCESS

5. ACCESS DOORS IN SUSPENDED FIRE-RATED WALLBOARD SURFACES SHALL BE STYLE UFR.
a. UFR 22"x30"

DESIGN

6. FRAME SHALL BE 16-GAUGE; DOOR PANEL SHALL BE 14 GAUGE STEEL.

7. STYLE K: CASING BEAD OF 22-GAUGE STEEL SHALL SURROUND THE FRAME.

8. STYLE M: FLANGE SHALL BE 16-GAUGE STEEL, 1" WIDE.

9. STYLE DW: GALVANIZED STEEL WALLBOARD BEAD SHALL SURROUND THE FRAME.

10. PRIME COAT SHALL BE FACTORY APPLIED, BAKED_ON ENAMEL, CHEMICALLY BONDED TO THE STEEL.

11. HINGES SHALL BE CONCEALED, SPRING TYPE, OPENING TO 1750.

12. LOCKS SHALL BE FLUSH, KEY OPERATED CYLINDER LOCKS.

FIRE RATED ACCESS DOORS

13. METAL ACCESS DOOR FRAME AND PANEL ASSEMBLIES SHALL BE MANUFACTURED UNDER FACTORY INSPECTION SERVICE OF UL AND SHALL BEAR A LABEL READING "FRAME AND FIRE DOOR ASSEMBLY, RATING 1_1/2 HOURS (B), TEMPERATURE RISE 30 MINUTES, 250° F MAXIMUM."

14. STYLE UFR: FRAMES SHALL BE 16-GAUGE STEEL; PANELS SHALL BE 20-GAUGE STEEL, SANDWICH TYPE.

15. PANEL SHALL BE EQUIPPED WITH AN AUTOMATIC CLOSING MECHANISM ON DOORS OVER 144 SQUARE INCHES IN SIZE.

16. LOCK ASSEMBLY SHALL BE CYLINDER TYPE, SELF-LATCHING WITH KEY OPERATED CYLINDER LOCK AND SHALL HAVE A MECHANISM TO RELEASE THE LATCH BOLT FROM THE INSIDE.

17. HINGES SHALL BE CONTINUOUS STEEL WITH STAINLESS STEEL PIN.

18. PRIME COAT SHALL BE FACTORY APPLIED BAKED-ON ENAMEL OVER A PROTECTIVE PHOSPHATE COATING ON THE STEEL. WHERE DESIGNATED IN MASONRY WALLS, ATTACH MASONRY ANCHORS TO FRAME ASSEMBLIES IN THE FACTORY.

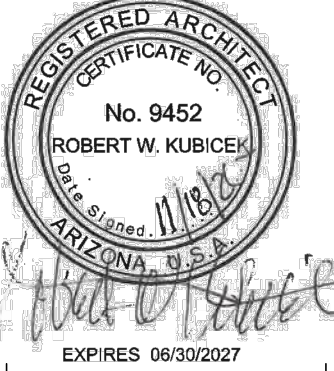
LOCATIONS

19. PROVIDE ACCESS DOORS AT VALVES (MANUAL OR AUTOMATIC), BACKFLOW PREVENTERS, WATER HAMMER ARRESTERS, AND OTHER LOCATIONS WHERE MECHANICAL DEVICES ARE INSTALLED INSIDE WALLS.

20. PROVIDE ACCESS DOORS FOR CEILING CRAWL SPACE AND ATTIC SPACE AS INDICATED ON THE DRAWINGS.



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EXPIRES: 06/30/2027