

- 1) SET ANCHORAGE DEVICES OPPOSITE EACH ANCHOR LOCATION AS SPECIFIED AND ANCHORAGE DEVICE MANUFACTURER'S WRITTEN INSTRUCTIONS. LEAVE DRILLED HOLES ROUGH, NOT REAMED, AND FREE OF DUST AND DEBRIS.
- B. PLACING FRAMES: SET FRAMES ACCURATELY IN POSITION: PLUMB; ALIGN, AND BRACE SECURELY UNTIL PERMANENT ANCHORS ARE SET. AFTER WALL CONSTRUCTION IS COMPLETE, REMOVE TEMPORARY BRACES AND SPREADERS, LEAVING SURFACES SMOOTH AND UNDAMAGED.
- 1) AT CONCRETE OR MASONRY CONSTRUCTION, SET FRAMES AND SECURE IN PLACE WITH MACHINE SCREWS AND MASONRY ANCHORAGE DEVICES. ANCHOR BOTTOM OF FRAMES TO FLOORS WITH ANCHOR BOLTS OR POWER DRIVEN FASTENERS.
- 2) FIELD SPLICE ONLY AT APPROVED LOCATIONS INDICATED ON THE SHOP DRAWINGS. WELD, GRIND, AND FINISH AS REQUIRED TO CONCEAL EVIDENCE OF SPLICING ON EXPOSED FACES.
- 3) REMOVE SPREADER BARS ONLY AFTER FRAMES ARE PROPERLY SET AND SECURED.
3. AT FIRE-RATED OPENINGS, INSTALL FRAMES ACCORDING TO NFPA 80.
4. EXISTING FRAMES (SALVAGED FROM ALTERATION WORK): INSTALL SALVAGED EXISTING FRAMES IN LOCATIONS INDICATED.
- C. DOORS:
1. NON-FIRE RATED DOORS: FIT NON-FIRE-RATED DOORS ACCURATELY IN THEIR RESPECTIVE FRAMES, WITH THE FOLLOWING CLEARANCES:
- A. JAMBS AND HEAD: 3/32 INCH (2 MM).
- B. MEETING EDGES, PAIRS OF DOORS: 1/8 INCH (3 MM).
- C. BOTTOM: 3/8 INCH (9 MM), IF NO THRESHOLD OR CARPET.
- D. BOTTOM: 1/8 INCH (3 MM), AT THRESHOLD OR CARPET.
2. FIRE-RATED DOORS: INSTALL WITH CLEARANCES AS SPECIFIED IN NFPA 80.
3. SMOKE CONTROL DOORS: INSTALL ACCORDING TO NFPA 105.
4. EXISTING DOORS (SALVAGED FROM ALTERATION WORK): INSTALL SALVAGED EXISTING DOORS IN LOCATIONS INDICATED.
- D. WOOD DOOR INSTALLATION: REFER TO DIVISION 8 SECTION "FLUSH WOOD DOORS".
- E. APPLY HARDWARE IN ACCORDANCE WITH HARDWARE MANUFACTURER'S INSTRUCTIONS AND DIVISION 8 SECTION "DOOR HARDWARE". DRILL AND TAP FOR MACHINE SCREWS AS REQUIRED; DO NOT USE SELF-TAPPING SHEET METAL SCREWS. ADJUST DOOR INSTALLATION TO PROVIDE UNIFORM CLEARANCE AT HEAD AND JAMBS, AND TO CONTACT STOPS UNIFORMLY. ADJUST HARDWARE ITEMS JUST PRIOR TO FINAL INSPECTION. LEAVE WORK IN COMPLETE AND PROPER OPERATING CONDITION.
12. ADJUSTING AND CLEANING
- A. FINAL ADJUSTMENTS: CHECK AND READJUST OPERATING HARDWARE ITEMS JUST BEFORE FINAL INSPECTION. LEAVE WORK IN COMPLETE AND PROPER OPERATING CONDITION. REMOVE AND REPLACE DEFECTIVE WORK, INCLUDING DOORS OR FRAMES THAT ARE WARPED, BOWED, OR OTHERWISE UNACCEPTABLE.
- B. PRIME-COAT TOUCHUP: IMMEDIATELY AFTER ERECTION, SAND SMOOTH ANY RUSTED OR DAMAGED AREAS OF PRIME COAT AND APPLY TOUCHUP OF COMPATIBLE AIR-DRYING PRIMER.
1. FINISH PAINTING: REFER TO DIVISION 9 SECTION "INTERIOR PAINTING".
- C. REMOVE AND REPLACE DEFECTIVE WORK, INCLUDING DOORS OR FRAMES THAT ARE WARPED, BOWED, OR OTHERWISE DEFECTIVE.
- D. INSTITUTE PROTECTIVE MEASURES REQUIRED THROUGHOUT THE REMAINDER OF THE CONSTRUCTION PERIOD TO ENSURE THAT STEEL DOORS AND FRAMES WILL BE WITHOUT ANY DAMAGE OR DETERIORATION, AT TIME OF SUBSTANTIAL COMPLETION.

END OF SECTION 08 11 00

SECTION 08 14 16 - FLUSH WOOD DOORS

PART 1 - GENERAL

- 1) SUMMARY
- A. THIS SECTION INCLUDES SOLID CORE FLUSH WOOD DOORS
1. WHEN THE INTEGRATION OF A SECURITY SYSTEM INTO THE DOOR AND FRAMEWORK IS REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TOTAL AND COMPLETE COORDINATION OF THE SECURITY SYSTEM COMPONENTS INTO THE WORK.
- B. RELATED SECTIONS INCLUDE THE FOLLOWING:
1. DIVISION 8 SECTION "INTERIOR ARCHITECTURAL WOODWORK" FOR WOOD DOORS INSTALLED IN WOOD FRAMES.
2. DIVISION 8 SECTION "STEEL DOORS AND FRAMES" FOR WOOD DOORS INSTALLED IN STEEL FRAMES.
3. DIVISION 8 SECTION "DOOR HARDWARE" FOR DOOR HARDWARE AND WEATHER STRIPPING.
4. DIVISION 9 SECTION "PAINTING FOR FIELD PAINTING FACTORY PRIMED DOORS AND FRAMES."

12. QUALITY ASSURANCE
- A. SOURCE LIMITATIONS: OBTAIN FLUSH WOOD DOORS THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.
- B. QUALITY STANDARDS: COMPLY WITH THE APPLICABLE PROVISIONS AND RECOMMENDATIONS OF AWIS "ARCHITECTURAL WOODWORK QUALITY STANDARDS" ILLUSTRATED, 7TH EDITION, VERSION 10, SECTION 1300\* WHERE STANDARDS AND SPECIFICATIONS CONFLICT THE MORE STRINGENT SHALL BE REQUIRED.
- C. FIRE-RATED DOOR ASSEMBLIES: ASSEMBLIES COMPLYING WITH NFPA 80 THAT ARE LISTED AND LABELED BY A TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, FOR FIRE-PROTECTION RATINGS INDICATED, BASED ON TESTING ACCORDING TO NFPA 288 AND 1997 UBC STANDARD 7-2 "FIRE TEST OF DOOR ASSEMBLIES" AND 1997 UBC STANDARD 7-4 "FIRE TEST OF WINDOW ASSEMBLIES", OR UL 10C "STANDARD FOR POSITIVE PRESSURE FIRE TESTS OF DOOR ASSEMBLIES". FIRE CLASSIFICATION LABELS AT ALL DOORS WITH FIRE RATINGS GREATER THAN 20 MINUTES SHALL INDICATE THE TEMPERATURE RISE DEVELOPED ON THE UNEXPOSED SURFACE OF THE DOOR AFTER THE FIRST 30 MINUTES OF FIRE EXPOSURE.
1. SEE DRAWINGS FOR APPLICABLE CODE CONFORMANCE.
2. TEMPERATURE-RISE RATINGS: WHERE INDICATED, PROVIDE DOORS THAT HAVE A TEMPERATURE-RISE RATING OF 450 DEG F (250 DEG C) MAXIMUM IN 30 MINUTES OF FIRE EXPOSURE.
3. PROVIDE FIRE RATED DOOR ASSEMBLIES IN COMPLIANCE WITH 1997 UBC STANDARD 7-2, PART 1 FOR POSITIVE PRESSURE, OR UL 10C FOR POSITIVE PRESSURE, SIZES AND CONFIGURATIONS AS SHOWN ON THE DRAWINGS. INSTALLED DOOR ASSEMBLIES SHALL BE IN ACCORDANCE WITH DOOR MANUFACTURERS' CERTIFIED ASSEMBLIES.
- A. TEST PRESSURE: AFTER 5 MINUTES INTO THE TEST, NEUTRAL PRESSURE LEVEL IN FURNACE SHALL BE ESTABLISHED AT 40 INCHES (1000 MM) OR LESS ABOVE THE SILL.
4. PROVIDE FIRE RATED DOOR ASSEMBLIES WITH SMOKE AND DRAFT CONTROL RATING IN COMPLIANCE WITH 1997 UBC STANDARD 7-2 PART 2, OR UL 1784, AT CORRIDORS, STAIRWELLS, AND WHERE REQUIRED BY APPLICABLE CODES. SIZES AND CONFIGURATIONS AS SHOWN ON THE DRAWINGS. INSTALLED DOOR ASSEMBLIES SHALL BE IN ACCORDANCE WITH DOOR MANUFACTURERS' CERTIFIED ASSEMBLIES.
- D. SAFETY GLASS: PROVIDE PRODUCTS COMPLYING WITH TESTING REQUIREMENTS IN 16 CFR 201, FOR CATEGORY II MATERIALS, UNLESS THOSE OF CATEGORY I ARE EXPRESSLY INDICATED AND PERMITTED.

13. DELIVERY, STORAGE, AND HANDLING
- A. PROTECT WOOD DOORS DURING TRANSIT, STORAGE, AND HANDLING TO PREVENT DAMAGE, SOILING, AND DETERIORATION. STORE WOOD DOORS ON A FLAT LEVEL SURFACE IN A DRY, WELL VENTILATED PLACE. KEEP WOOD DOORS A MINIMUM OF 3-1/2" OFF FLOOR SURFACE AND PROTECTED BY A PROTECTIVE COVERING UNDER THE BOTTOM DOOR AND OVER THE TOP DOOR. COVERING SHOULD PROTECT WOOD DOORS FROM DIRT, WATER AND ABUSE BUT ALLOW FOR AIR CIRCULATION UNDER AND AROUND THE STACK. DO NOT STORE WOOD DOORS IN DIRECT SUNLIGHT. COMPLY WITH REQUIREMENTS OF REFERENCED STANDARD AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
- B. PACKAGE DOORS INDIVIDUALLY IN HEAVY DUTY CARDBOARD CARTONS PRIOR TO SHIPMENT FROM FACTORY. MARK EACH DOOR ON TOP AND BOTTOM RAIL WITH OPENING NUMBER USED ON SHOP DRAWINGS USING TEMPORARY, REMOVABLE, OR CONCEALED MARKINGS.
- C. HANDLE WOOD DOORS WITH CLEAN GLOVES. LIFT AND CARRY WOOD DOORS WHEN MOVING THEM AROUND THE SITE, DO NOT DRAG WOOD DOORS ACROSS ONE ANOTHER.

13. PROJECT CONDITIONS
- A. ENVIRONMENTAL LIMITATIONS: DO NOT DELIVER OR INSTALL DOORS UNTIL BUILDING IS ENCLOSED, WET WORK, SUCH AS MASONRY, CONCRETE, STONE, TILE, TERRAZZO, PLASTERING, WALLBOARD JOINT TREATMENT, IS COMPLETE AND DRIED, AND HVAC SYSTEM IS OPERATING AND WILL MAINTAIN TEMPERATURE AND RELATIVE HUMIDITY AT OCCUPANCY LEVELS DURING THE REMAINDER OF THE CONSTRUCTION PERIOD. DO NOT EXPOSE DOORS TO SUDDEN CHANGES IN TEMPERATURE SUCH AS FORCED HEAT USED TO DRY OUT THE SITE.

14. WARRANTY
- A. SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM, SIGNED BY MANUFACTURER, INSTALLER, AND CONTRACTOR, IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE DOORS THAT ARE DEFECTIVE IN MATERIALS OR WORKMANSHIP FOR THE LIFE OF THE ORIGINAL INSTALLATION OF THE DOOR. A REPRESENTATIVE OF THE DOOR MANUFACTURER SHALL INSPECT THE INSTALLED DOORS AND SHALL NOTE ON THE WARRANTY THAT NO PROVISIONS OF THE WARRANTY HAVE BEEN NULLIFIED IN THE MANUFACTURE AND/OR INSTALLATION.
1. WARRANTY SHALL BE IN EFFECT DURING THE FOLLOWING PERIOD OF TIME FROM DATE OF SUBSTANTIAL COMPLETION:
- A. EXTERIOR DOORS: TWO YEARS.
- B. INTERIOR DOORS: LIFE OF INSTALLATION.
2. WARRANTY SHALL INCLUDE REPAIR OR REPLACEMENT OF DOORS THAT HAVE WARPED (BOW, CUP, OR TWIST) MORE THAN 1/4 INCH (6.4 MM) IN A 42-BY-84-INCH (1067-BY-2134-MM) SECTION.

PART 2 - PRODUCTS

- 1) MANUFACTURERS
- A. FLUSH WOOD DOOR MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE FLUSH WOOD DOOR PRODUCTS BY ONE OF THE FOLLOWING:
1. EGGERS INDUSTRIES: ARCHITECTURAL DOOR DIVISION.
2. VANCOUVER DOOR CO., INC. 5. VT INDUSTRIES, INC.
3. ALGOMA HARDWOODS INC.
4. MARSHFIELD DOORS SYSTEMS, INC. (FORMALLY DOORS DIVISION OF WEYERHAEUSER COMPANY).

12. DOOR CONSTRUCTION, GENERAL
- A. DOORS FOR OPAQUE FINISH:
1. GRADE: CUSTOM.
2. FACES FOR INTERIOR AND EXTERIOR DOORS: STANDARD THICKNESS, THOROUGHLY DRIED, MEDIUM-DENSITY OVERLAY (MDO).
3. THICKNESS: 1-3/4 INCH (45-MM) UNLESS OTHERWISE INDICATED.
4. APPLY MEDIUM-DENSITY OVERLAY TO STANDARD THICKNESS, CLOSED-GRAIN, HARDWOOD FACE VENEERS OR DIRECTLY TO HIGH-DENSITY HARDBOARD CROSSBANDS.

- 2.3. SOLID-CORE DOORS
- A. PARTICLEBOARD CORES: COMPLY WITH THE FOLLOWING REQUIREMENTS:
1. PARTICLEBOARD: ANSI A208.1, GRADE 1FD-2.
1. PROVIDE DOORS WITH EITHER GLUED-BLOCK OR STRUCTURAL COMPOSITE LUMBER CORES INSTEAD OF PARTICLEBOARD CORES AT LOCATIONS WHERE EXIT DEVICES ARE INDICATED.
- B. PROVIDE STRUCTURAL COMPOSITE LUMBER CORES INSTEAD OF PARTICLEBOARD CORES FOR FULL-LIGHT DOORS WITH GLASS OR RAISED-PANEL INSERTS.
2. BLOCKING: PROVIDE WOOD BLOCKING IN PARTICLEBOARD-CORE DOORS AS NEEDED TO ELIMINATE THROUGH-BOLTING HARDWARE, AS FOLLOWS:
- A. 5-INCH (125-MM) TOP-RAIL BLOCKING, IN DOORS INDICATED TO HAVE CLOSERS.
- B. 5-INCH (125-MM) BOTTOM-RAIL BLOCKING, IN EXTERIOR DOORS AND DOORS INDICATED TO HAVE KICK, MOP, OR ARMOR PLATES.
3. VERTICAL EDGES: 1-3/8 INCH WIDE MINIMUM PRIOR TO FITTING, 2 PLY LAMINATED WOOD CONSTRUCTION CONSISTING OF A SINGLE PIECE HARDWOOD OUTER BAND, WITHOUT FINGERJOINTS, AND AN INNER BAND OF MILL OPTION HARDWOOD. OUTER BAND TO MATCH FACE VENEER FOR TRANSPARENT FINISHED VENEER-FACED DOORS.
4. CROSSBANDING: MINIMUM 1/8 INCH THICK, LOW DENSITY HARDWOOD, COMPOSITE, OR HIGH DENSITY HARDBOARD.
- B. HARDBOARD-FACED DOOR CONSTRUCTION FOR OPAQUE FINISH: AWI SECTION 1300, PC-5 CE.
1. CORE: PARTICLEBOARD, EXCEPT AS OTHERWISE NOTED.
2. CONSTRUCTION: THREE PLYS WITH STILES AND RAILS BONDED TO CORE, THEN ENTIRE UNIT ABRASIVE PLANED BEFORE FACES ARE APPLIED.
3. CROSSBANDING MATERIALS SHALL EXTEND FULL WIDTH OF DOOR WITH GRAIN RUNNING HORIZONTALLY, TAPELESS SPLICED WITHOUT VOIDS OR SHOW THROUGH (TELEGRAPHING), AND DIRECTLY GLUED TO CORE AND BLOCKING.
4. SAND CROSS BANDING BEFORE APPLICATION OF FACING.
5. FACING SHALL EXTEND FULL HEIGHT OF DOOR WITH GRAIN RUNNING VERTICALLY, TAPELESS SPLICED WITHOUT VOIDS OR SHOW THROUGH (TELEGRAPHING), AND DIRECTLY GLUED TO CROSS BAND.
6. BLUE LINES BETWEEN FACING, CROSSBANDING, AND BLOCKING SHALL BE OF A TYPE TO COMPLY WITH THE SPECIFIED WARRANTY USING THE HOT PLATE PROCESS.
- C. FIRE-RATED DOOR CONSTRUCTION: AWI SECTION 1300, FD-5
1. CORE: PROVIDE MINERAL CORE AS REQUIRED TO PROVIDE FIRE RATING INDICATED, AND VENEERED OR FACED TO MATCH NON-RATED FIRE DOORS. PROVIDE REQUIRED LABEL(S) ON EACH DOOR.
2. BLOCKING: FOR MINERAL-CORE DOORS, PROVIDE COMPOSITE BLOCKING, OF SAME THICKNESS AS CORE, APPROVED FOR USE IN DOORS OF FIRE RATINGS INDICATED, AND AS FOLLOWS:
- A. 5-1/2 INCH WIDE MINIMUM TOP-RAIL AND BOTTOM-RAIL BLOCKING CONSISTING OF MINIMUM 1/2 INCH WIDE SINGLE LENGTH MILL OPTION HARDWOOD OUTER BAND AND SINGLE LENGTH LUMBER INNER BAND FABRICATED OF SAME MATERIALS AS VERTICAL EDGES.
- B. PROVIDE EITHER TWO 2-INCH 4-1/2 INCH BY 18 INCH MINIMUM SIZED LOCK BLOCKS ON EACH DOOR STYLE OR A SINGLE 10 INCH HIGH CONTINUOUS LOCK RAIL LOCATED ON LOCKCASE BODY CENTERLINES.
3. VERTICAL EDGE CONSTRUCTION: PROVIDE MANUFACTURER'S STANDARD LAMINATED-EDGE CONSTRUCTION MEETING LABEL REQUIREMENTS AND TESTED TO SPECIFIED DIRECT SCREW WITHDRAWAL, SPLIT RESISTANCE, CYCLE SLAM, AND HINGE LOADING CRITERIA. FINISH OUTER BANDS TO MATCH DOOR FACES WITHOUT JOINTS.
4. VERTICAL EDGE CONSTRUCTION: PROVIDE MANUFACTURER'S STANDARD LAMINATED-EDGE CONSTRUCTION MEETING LABEL REQUIREMENTS, WITH INTUMESCENT SEALS CONCEALED BY OUTER STYLE MATCHING FACE VENEER, AND MEETING OR EXCEEDING THE SPECIFIED DIRECT

- SCREW WITHDRAWAL, SPLIT RESISTANCE, CYCLE SLAM, AND HINGE LOADING CRITERIA. FINISH OUTER BANDS TO MATCH DOOR FACES WITHOUT JOINTS.
- A. SPLIT RESISTANCE: NOT LESS THAN 696 POUNDS WHEN TESTED IN ACCORDANCE WITH WOMA TM-5; OR, NOT LESS THAN 1305 POUNDS WHEN TESTED IN ACCORDANCE WITH ASTM D483.
- B. CYCLE/SLAM: NOT LESS THAN 200,000 CYCLES WITH NO LOOSENING OF HINGE SCREWS OR OTHER VISIBLE SIGNS OF FAILURE WHEN TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF WOMA TM-7; OR, NOT LESS THAN 502,000 CYCLES WHEN TESTED IN ACCORDANCE WITH ANSI A851.
- C. DIRECT SCREW WITHDRAWAL: NOT LESS THAN 700 POUNDS WHEN TESTED IN ACCORDANCE WITH WOMA TM-10; OR, NOT LESS THAN 877 POUNDS WHEN TESTED IN ACCORDANCE WITH ASTM D037 USING #12 X 1-1/4 STEEL SCREWS, THREADED TO THE HEAD WITH EITHER A OR AB WOOD THREADS.
- D. HINGE LOADING: NOT LESS THAN 684 POUNDS AVERAGE WHEN TESTED IN ACCORDANCE WITH WOMA TM-8.
- E. PAIRS: PROVIDE FIRE-RATED PAIRS WITH FIRE-RETARDANT STILES MATCHING FACE VENEER THAT ARE LABELED AND LISTED FOR KINDS OF APPLICATIONS INDICATED WITHOUT FORMED-STEEL EDGES AND ASTRAGALS. PROVIDE STILES WITH CONCEALED INTUMESCENT SEALS.
6. THICKNESS: 1-3/4 INCH UNLESS OTHERWISE INDICATED.

- 1.3. PANELS AND LIGHT FRAMES
- A. WOOD BEADS FOR LIGHT OPENINGS AND PANELS IN WOOD DOORS: MANUFACTURER'S STANDARD FLUSH DESIGNED, SOLID WOOD, QUARTER-ROUND SHAPED, BACK BEVELED OR QUIRRED, BEADS MATCHING VENEER SPECIES OF DOOR FACES. INCLUDE GLAZING COMPOUNDS OR TAPES SIZED FOR BACK BEVEL OR QUIRK PROVIDED. INCLUDE FINISH NAILS FOR REMOVABLE STOPS SIZED IN ACCORDANCE WITH WOOD DOOR MANUFACTURERS' RECOMMENDATIONS.
1. SEE DRAWINGS FOR SHAPE AND COMPOSITION OF PANELS INSTALLED IN DOORS.

- 2.5. FABRICATION
- A. FACTORY FIT DOORS TO SUIT FRAME-OPENING SIZES INDICATED, WITH THE FOLLOWING UNIFORM CLEARANCES AND BEVELS, UNLESS OTHERWISE INDICATED:
1. COMPLY WITH CLEARANCE REQUIREMENTS OF REFERENCED QUALITY STANDARD FOR FITTING. COMPLY WITH REQUIREMENTS IN NFPA 80 FOR FIRE-RATED DOORS.
- B. FACTORY MACHINE DOORS FOR HARDWARE THAT IS NOT SURFACE APPLIED. LOCATE HARDWARE TO COMPLY WITH DH-W0MS-3. COMPLY WITH FINAL HARDWARE SCHEDULES, DOOR FRAME SHOP DRAWINGS, AWI SECTION 1300-6-20, DHI A16-W SERIES STANDARDS, AND HARDWARE TEMPLATES.
1. COORDINATE MEASUREMENTS OF HARDWARE MORTISES IN METAL FRAMES TO VERIFY DIMENSIONS AND ALIGNMENT BEFORE FACTORY MACHINING.
2. METAL ASTRAGALS: PREMACHINE ASTRAGALS AND FORMED-STEEL EDGES FOR HARDWARE FOR PAIRS OF FIRE-RATED DOORS.
3. OPENINGS: CUT AND TRIM OPENINGS THROUGH DOORS TO COMPLY WITH APPLICABLE REQUIREMENTS OF REFERENCED STANDARDS FOR KIND(S) OF DOOR(S) REQUIRED. INSTALL LIGHT AND LOUVER BEADS WITH FASTENERS SPACED FOR OPENING SIZE AND FIRE RATING INDICATED. INSTALL WOOD BEAD MOLDINGS WITH FINISH NAILS AND COUNTERSINK WITHOUT STRIKING BEAD. FILL COUNTERSINK HEADS WITH PUTTY MATCHING WOOD BEAD COLOR.
- C. EXTERIOR DOORS: FACTORY TREAT EXTERIOR DOORS AFTER FABRICATION WITH WATER-REPELLENT PRESERVATIVE TO COMPLY WITH WOMA I.S.A., FLUSH TOP OF OUTSWINGING DOORS WITH MANUFACTURER'S STANDARD METAL FLASHING.
- D. GLAZED OPENINGS: GLAZE DOORS AT FACTORY WITH GLASS OF TYPE AND THICKNESS INDICATED, COMPLYING WITH DIVISION 8 SECTION "GLAZING".
- E. MIRRORS: TRIM PANELS INDICATED FOR MIRRORS WITH SOLID WOOD MOLDINGS, WITH MIRROR SIDE MOLDINGS REMOVABLE. ALLOW FOR MIRROR THICKNESS AND AIR SPACE IN PANEL AND TRIM CONSTRUCTION.

- 1.5. SHOP PRIMING
- A. DOORS FOR OPAQUE FINISH: SHOP PRIME FRAMES AND EDGES OF DOORS, INCLUDING CUTOUTS, WITH ONE COAT OF WOOD PRIMER/SEALER AS STANDARD WITH DOOR MANUFACTURER. SURFACES SHALL BE CLEAN AND DRY BEFORE PRIMING. APPLY PRIMER/SEALER UNIFORMLY WITHOUT BARE SPOTS, RUNS, OR SAGS.
1. APPLY TWO COATS OF WOOD PRIMER TO EDGES, MORTISES, CUTOUTS AND OPENINGS, INCLUDING HARDWARE OPENINGS, ON EXTERIOR DOORS.

PART 3 - EXECUTION

- 2.1. EXAMINATION
- A. EXAMINE DOORS AND INSTALLED DOOR FRAMES BEFORE HANGING DOORS.
1. VERIFY THAT FRAMES COMPLY WITH INDICATED REQUIREMENTS FOR TYPE, SIZE, LOCATION, AND SWING CHARACTERISTICS AND HAVE BEEN INSTALLED WITH LEVEL HEADS AND PLUMB JAMBS.
2. REJECT DOORS WITH DEFECTS.
- B. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

- 2.2. INSTALLATION
- A. HARDWARE: APPLY HARDWARE TO DOORS IN ACCORDANCE WITH HARDWARE MANUFACTURER'S INSTRUCTIONS AND DIVISION 8 SECTION "DOOR HARDWARE." FOR PARTICLE BOARD CORE DOORS DRILL PILOT HOLES OF PROPER SIZE FOR INSTALLING HINGE SCREWS. ADJUST HARDWARE ITEMS JUST PRIOR TO FINAL INSPECTION. LEAVE WORK IN COMPLETE AND PROPER OPERATING CONDITION.
1. FACTORY WRAPPING SHALL BE MAINTAINED ON NEW DOORS DURING CONSTRUCTION PERIOD, AND ALL HARDWARE SHALL BE INSTALLED BY CUTTING THE FACTORY WRAPPING AT THE MOUNTING LOCATION OF THE HARDWARE ITEM.
- B. GENERAL DOOR INSTALLATION STANDARDS: INSTALL DOORS IN LOCATIONS INDICATED TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, REFERENCED QUALITY STANDARD, AND AS INDICATED. WHERE STANDARDS CONFLICT THE MORE STRINGENT SHALL APPLY. INSTALL FIRE-RATED DOORS IN CORRESPONDING FIRE-RATED FRAMES ACCORDING TO FIRE LABEL REQUIREMENTS.
- C. FACTORY-FITTED DOORS: ALIGN IN FRAMES FOR UNIFORM CLEARANCE AT EACH EDGE, MATCHING CLEARANCES SPECIFIED FOR FACTORY PREFITTING, AND TO CONTACT STOPS UNIFORMLY. FIELD CUTTING, FITTING OR TRIMMING, IF REQUIRED, SHALL BE EXECUTED IN A WORKMANLIKE MANNER.
- D. EXISTING WOOD DOORS (SALVAGED FROM ALTERATION WORK): INSTALL SALVAGED EXISTING WOOD DOORS IN LOCATIONS INDICATED. FIELD CUTTING, FITTING OR TRIMMING, IF REQUIRED, SHALL BE EXECUTED IN A WORKMANLIKE MANNER.
- E. FIELD-FINISHED DOORS:
1. FOR EXTERIOR DOORS, SEAL ALL FIELD CUTS TO COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND WARRANTY REQUIREMENTS.
2. TOUCH UP SHOP PRIMER ON ALL DOORS.
3. REFER TO THE FOLLOWING FOR FINISHING REQUIREMENTS: DIVISION 9 SECTION "PAINTING."
4. APPLY FIELD FINISH WITHIN 10 WORKING DAYS OF DELIVERY OF EXTERIOR DOORS.

- 2.3. ADJUSTING AND PROTECTION
- A. REHANG OR REPLACE DOORS THAT DO NOT SWING OR OPERATE FREELY.
- B. PROTECTION: PROTECT WOOD DOORS TO ENSURE THAT THE WOOD DOOR WORK WILL BE WITHOUT DAMAGE OR DETERIORATION AT THE TIME OF SUBSTANTIAL COMPLETION. REFINISH OR REPLACE WOOD DOORS DAMAGED DURING INSTALLATION. REPLACE ANY NEW WOOD DOORS THAT ARE WARPED, TWISTED, DEMONSTRATE CORE SHOW THROUGH, ARE NOT TRUE IN PLANE, OR CANNOT BE REFINISHED TO THE SATISFACTION OF THE ARCHITECT.

END OF SECTION 08 14 16

SECTION 08 31 00 - ACCESS DOORS AND FRAMES

PART 1 - GENERAL

- 1) SUMMARY
- A. THIS SECTION INCLUDES THE FOLLOWING:
1. ACCESS DOORS AND FRAMES.
2. FIRE-RATED ACCESS DOORS AND FRAMES.
- B. SEE DIVISION 8 SECTION "DOOR HARDWARE" FOR MORTISE OR RIM CYLINDER LOCKS AND MASTER KEYING.
- C. SEE DIVISION 9 SECTION "GYPSUM BOARD SYSTEMS" FOR GFRG ACCESS PANELS.

12. QUALITY ASSURANCE
- A. FIRE-RATED ACCESS DOORS AND FRAMES: UNITS COMPLYING WITH NFPA 80 AND THAT ARE LABELED AND LISTED BY UL, ITS, OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION PER TEST METHOD INDICATED.
1. VERTICAL ACCESS DOORS: NFPA 252 OR UL 10B.
2. HORIZONTAL ACCESS DOORS AND FRAMES: ASTM E 119, UBC STANDARD 7.1, OR UL 253.
- B. SIZE AND LOCATION VERIFICATION: DETERMINE SPECIFIC LOCATIONS AND SIZES FOR ACCESS DOORS NEEDED TO GAIN ACCESS TO CONCEALED EQUIPMENT.

PART 2 - PRODUCTS

- 2.1. MATERIALS
- A. STEEL PLATES, SHAPES, AND BARS: ASTM A 36/A 36M.
1. HOT-DIP GALVANIZED STEEL: COAT TO COMPLY WITH ASTM A 123/A 123M FOR STEEL AND IRON PRODUCTS AND ASTM A 153/A 153M FOR STEEL AND IRON HARDWARE.
- B. STEEL SHEET:
1. COLD-ROLLED: ASTM A 368/A 368M, COMMERCIAL STEEL (CS), OR ASTM A 620/A 620M, DRAWING STEEL (DS), TYPE B: STRETCH-LEVELLED STANDARD OF FLATNESS.
- C. PAINT:
1. SDOOR PRIMER FOR FERROUS METAL: FAST-CURING, LEAD- AND CHROMATE-FREE, UNIVERSAL MODIFIED-ALKYD PRIMER COMPLYING WITH PERFORMANCE REQUIREMENTS IN FS TT-P-664; SELECTED FOR GOOD RESISTANCE TO NORMAL ATMOSPHERIC CORROSION, COMPATIBILITY WITH FINISH PAINT SYSTEMS INDICATED, AND CAPABILITY TO PROVIDE SOUND FOUNDATION FOR FIELD-APPLIED TOPCOATS DESPITE PROLONGED EXPOSURE.

- 2.2. MANUFACTURERS
- A. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY NYSTROM, INC.

- 2.3. ACCESS DOORS AND FRAMES
- A. FLUSH ACCESS DOORS AND FRAMES WITH EXPOSED TRIM:
1. PRODUCT: NYSTROM, INC.'S NP SERIES.
2. MATERIAL: PRIME-PAINTED STEEL SHEET.
3. SURFACE TYPE: CERAMIC TILE AND FRP.
4. LOCATIONS: WALLS.
5. DOOR: MINIMUM 0.060-INCH- (1.5-MM-) THICK SHEET METAL, SET FLUSH WITH EXPOSED FACE FLANGE OF FRAME.
6. FRAME: MINIMUM 0.060-INCH- (1.5-MM-) THICK SHEET METAL WITH 1-INCH- (25-MM-) WIDE, SURFACE-MOUNTED TRIM.
7. HINGES: SPRING-LOADED CONCEALED PIN TYPE.
8. LOCK: KEY-OPERATED CYLINDER LOCK.

- B. FLUSH ACCESS DOORS AND TRIMLESS FRAMES FOR DRYWALL:
1. PRODUCT: INTER FORMS INC.
2. MATERIAL: GLASS FIBER.
3. SURFACE TYPE: GYPSUM BOARD, AS INDICATED IN DRAWINGS.
4. LOCATIONS: WALLS AND CEILINGS.
5. DOOR: MINIMUM 0.060-INCH- (1.5-MM-) THICK SHEET METAL, SET FLUSH WITH SURROUNDING FINISH SURFACES.
6. FRAME: MINIMUM 0.060-INCH- (1.5-MM-) THICK SHEET METAL PAINTED TO MATCH CEILING.
7. HINGES: SPRING-LOADED CONCEALED PIN TYPE.
8. LOCK: KEY-OPERATED CYLINDER LOCK.

- C. FLUSH ACCESS DOORS AND TRIMLESS FRAMES FOR PLASTER:
1. PRODUCT: NYSTROM, INC.'S NP SERIES.
2. MATERIAL: PRIME-PAINTED STEEL SHEET.
3. SURFACE TYPE: VENEER PLASTER, OR PLASTER, AS INDICATED IN DRAWINGS.
4. LOCATIONS: WALLS AND CEILINGS.
5. DOOR: MINIMUM 0.060-INCH- (1.5-MM-) THICK SHEET METAL, SET FLUSH WITH SURROUNDING FINISH SURFACES.
6. FRAME: MINIMUM 0.060-INCH- (1.5-MM-) THICK SHEET METAL WITH PLASTER BEAD.
7. HINGES: SPRING-LOADED CONCEALED PIN TYPE.
8. LOCK: KEY-OPERATED CYLINDER LOCK.

- D. FLUSH, INSULATED, FIRE-RATED ACCESS DOORS AND TRIMLESS FRAMES FOR DRYWALL:
1. PRODUCT: NYSTROM, INC.'S IP SERIES.
2. MATERIAL: PRIME-PAINTED STEEL SHEET.
3. SURFACE TYPE: GYPSUM BOARD, VENEER PLASTER, OR PLASTER, AS INDICATED IN DRAWINGS.
4. LOCATIONS: WALLS AND CEILINGS.
5. FIRE-RESISTANCE RATING: 1 HOUR.
6. TEMPERATURE-RISE RATING: 250 DEG F (120 DEG C) AT THE END OF 30 MINUTES.
7. DOOR: FLUSH PANEL WITH CORE OF MINERAL-FIBER INSULATION ENCLOSED IN SHEET METAL WITH A MINIMUM THICKNESS OF 0.036 INCH (0.9 MM).
8. FRAME: MINIMUM 0.060-INCH- (1.5-MM-) THICK SHEET METAL WITH DRYWALL BEAD.
9. HINGES: CONCEALED PIN TYPE.
10. AUTOMATIC CLOSER: SPRING TYPE.
11. LOCK: KEY-OPERATED MORTISE LOCK WITH INTERIOR RELEASE.

- E. FLUSH, INSULATED, FIRE-RATED ACCESS DOORS AND TRIMLESS FRAMES FOR PLASTER:
1. PRODUCT: NYSTROM, INC.'S IP SERIES.
2. MATERIAL: PRIME-PAINTED STEEL SHEET.
3. SURFACE TYPE: GYPSUM BOARD, VENEER PLASTER, OR PLASTER, AS INDICATED IN DRAWINGS.
4. LOCATIONS: WALLS AND CEILINGS.
5. FIRE-RESISTANCE RATING: 1 HOUR.
6. TEMPERATURE-RISE RATING: 250 DEG F (120 DEG C) AT THE END OF 30 MINUTES.
7. DOOR: FLUSH PANEL WITH CORE OF MINERAL-FIBER INSULATION ENCLOSED IN SHEET METAL WITH A MINIMUM THICKNESS OF 0.036 INCH (0.9 MM).
8. FRAME: MINIMUM 0.060-INCH- (1.5-MM-) THICK SHEET METAL WITH PLASTER BEAD.
9. HINGES: CONCEALED PIN TYPE.
10. AUTOMATIC CLOSER: SPRING TYPE.
11. LOCK: KEY-OPERATED MORTISE LOCK WITH INTERIOR RELEASE.

- 2.4. FABRICATION
- A. LATCHING MECHANISMS: FURNISH NUMBER REQUIRED TO HOLD DOORS IN FLUSH, SMOOTH PLANE WHEN CLOSED.
1. FOR CYLINDER OR MORTISE LOCK, FURNISH TWO KEYS PER LOCK AND KEY ALL LOOKS ALIKE.

PART 3 - EXECUTION

- 1) INSTALLATION
- A. ADVISE INSTALLERS OF OTHER WORK ABOUT SPECIFIC REQUIREMENTS RELATING TO ACCESS DOOR AND FLOOR DOOR INSTALLATION, INCLUDING SIZES OF OPENINGS TO RECEIVE ACCESS DOOR AND FRAME, AS WELL AS LOCATIONS OF SUPPORTS, INSERTS, AND ANCHORING DEVICES.
- B. SET FRAMES ACCURATELY IN POSITION AND ATTACH SECURELY TO SUPPORTS WITH PLANE OF FACE PANELS ALIGNED WITH ADJACENT FINISH SURFACES.
- C. INSTALL ACCESS DOORS FLUSH WITH ADJACENT FINISH SURFACES OR RECESSED TO RECEIVE FINISH MATERIAL.
- D. ADJUST DOORS AND HARDWARE AFTER INSTALLATION FOR PROPER OPERATION.

END OF SECTION 08 31 00

NEW STORE



GAP INC.  
STORE DEVELOPMENT  
2 FOLDSOM STREET  
SAN FRANCISCO, CA 94105

ORACLE I.D.:

140261

STORE NUMBER:

7341

STORE LOCATION:

STATION PARK

230 NE PROMONTORY  
SPACE C-120  
FARMINGTON, UT 84025

DESIGN TYPE: DERBY B  
GENERATION: 21Q34  
PROTOTYPE DATE: 1/8/2021  
OPENING: 2021

ARCHITECT INFO:



ARCHITECT OF RECORD:

MARIAH MEYER  
8131 METCALF AVE  
SUITE 200  
OVERLAND PARK, KS 66204

www.brrarch.com

TEL: 913-262-9095  
FAX: 913-262-9094

CONSULTANT INFO:

PROFESSIONAL STAMP:

ISSUE TYPE:

LL/PERMIT/BID: 02/19/21

REVISIONS:

DRAWN BY: KDA

A/E JOB NUMBER: 65011072

TITLE SHEET:

SPECIFICATIONS

SHEET NUMBER:

SP-07