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ARCHITECTURAL SPECIFICATIONS

A703

1.2 PERFORMANCE
1.3 SUBMITTALS
1.4 QUALITY ASSURANCE
1.5 WARRANTIES
2. PRODUCTS
2.1 METAL FLASHING
NOTE TO SPECIFIER:
2.2 METAL FLASHING
NOTE TO SPECIFIER:
2.3 EXECUTION
3.1 INSPECTION
3.2 INSTALLATION
3.3 EXECUTION

2. PRODUCTS
2.1 MATERIALS
2.2 METAL FLASHING
3. EXECUTION
3.1 INSTALLATION
3.2 FIELD QUALITY CONTROL
3.3 EXECUTION
SECTION 07 42 00 - METAL WALL
1. GENERAL
1.1 SUMMARY
1.2 SUBMITTALS
2. PRODUCTS
2.1 MATERIALS
3. EXECUTION
3.1 INSTALLATION
3.2 FIELD QUALITY CONTROL

3.4 ADJUSTING AND CLEANING
3.5 PROTECTION
SECTION 08 R3 10 - FIBER REINFORCED PLASTIC (FRP) WALL PANELS
1. GENERAL
1.1 SECTION INCLUDES
1.2 SUBMITTALS
2. PRODUCTS
2.1 MANUFACTURERS
2.2 MATERIALS
2.3 ACCESSORIES
3. EXECUTION
3.1 EXAMINATION
3.2 INSTALLATION
3.3 EXECUTION

G. PLASTIC LAMINATE INTERIOR SURFACES SHALL BE OF COLORS STANDARD AS DESCRIBED FOR THE EXTERIOR SURFACES
H. HIGH PRESSURE DECORATIVE LAMINATE, NEMA LD 3, GRADES AS INDICATED, OR IF NOT INDICATED, AS REQUIRED BY CASEWORK QUALITY STANDARD
I. REFER TO FINISH LEGEND FOR COLORS, FINISH, AND MANUFACTURE OF PLASTIC LAMINATE MATERIALS PROVIDED
2.4 HARDWARE AND ACCESSORY MATERIALS
A. MATERIALS: SOLID SURFACING MATERIALS, QUARTZ-AGGLOMERATE TYPE: ANSI XXX AND ISSFA-2
B. GRADE: PREMIUM
2.5 HARDWARE AND ACCESSORY MATERIALS
A. CASEWORK HARDWARE: PROVIDE CASEWORK HARDWARE ITEMS AS REQUIRED FOR COMPLETE INSTALLATION AS INDICATED
1. PLUG-IN PIN TYPE SHELF SUPPORTS: PROVIDE HOLES 1" ON CENTER
A. ACCEPTABLE MANUFACTURERS:
1) HAFELE AMERICAN CO./NO. 282.04.711
2) KNAPE & VOGT/NO. 333
2. CABINET HINGES: CONCEALED TYPE, MINIMUM 160 DEGREE OPENING, WITH SPRING CLOSER
A. ACCEPTABLE MANUFACTURERS (CONCEALED TYPE)
1) HAFELE AMERICA CO./NO. 345.47.695
2) JULIUS BLUM INC./NO. 91.550
3) STANLEY HARDWARE/NO. 1511
3. CABINET PULLS: AS INDICATED ON DRAWINGS
4. CABINET LOCKS: PIN AND TUMBLER SLIDE BOLT LOCK, TWO KEYS EACH
A. ACCEPTABLE MANUFACTURERS:
1) NATIONAL LOCK HARDWARE/NO. C81335 DRAWER, C8139 DOOR LOCK
2) SCHLAGE LOCK CO. J46200 CABINET LOCKS
3) BEST LOCK CORP./PL. SERIES
4) CASEWORK HARDWARE STANDARD ANSIBHMA 1165.9 SATIN STAINLESS STEEL
B. ANCHORS, NAILS AND SCREWS: SELECT MATERIAL, TYPE, SIZE AND FINISH REQUIRED BY EACH SUBSTRATE FOR SECURE ANCHORAGE. PROVIDE TREATED STEEL OR LEAD EXPANSION BOLT SCREWS FOR DRILLED-IN-PLACE ANCHORS
C. WOOD FILLER: COLOR TO MATCH WOOD BEING FILLED
2.6 PLASTIC LAMINATE CABINET FABRICATION:
A. FABRICATE CASEWORK TO DIMENSIONS, PROFILES AND DETAILS SHOWN
B. ASSEMBLE UNITS IN THE SHOP IN AS LARGE COMPONENTS AS PRACTICABLE TO MINIMIZE FIELD JOINTING
C. INSTALL HARDWARE UNIFORMLY AND PRECISELY AFTER FINAL FINISHING IS COMPLETE. SET HINGES SMOOTH AND FLAT. MORTISES UNLESS OTHERWISE INDICATED. TURN SCREWS TO FLAT SEAT. ADJUST AND ALIGN HARDWARE SO THAT MOVING PARTS OPERATE FREELY AND CONTACT POINTS MEET ACCURATELY. ALLOW FOR FINAL FIELD ADJUSTMENT AFTER INSTALLATION
D. BASE CABINETS: FLOOR MOUNTED AND SUSPENDED
1. TOP PANEL: 3/4-INCH FRONT EDGE EDGE Banded AS SPECIFIED ABOVE
A. FLOOR MOUNTED: 3/4 INCH ENGINEERED WOOD PRODUCT, FRONT EDGE Banded AS SPECIFIED ABOVE
B. SUSPENDED: 1-INCH HARDWOOD PARTICLEBOARD, FRONT EDGE Banded AS SPECIFIED ABOVE
2. BOTTOM PANEL:
A. FLOOR MOUNTED: 3/4 INCH ENGINEERED WOOD PRODUCT, FRONT EDGE Banded AS SPECIFIED ABOVE
B. SUSPENDED: 1-INCH HARDWOOD PARTICLEBOARD, FRONT EDGE Banded AS SPECIFIED ABOVE
3. SIDE PANELS: 3/4 INCH ENGINEERED WOOD PRODUCT FRONT EDGE Banded AS SPECIFIED ABOVE
4. BACK CONSTRUCTION: 3/8-INCH ENGINEERED WOOD PRODUCT WITH 3/8 INCH X 3-INCH FULL WIDTH ENGINEERED WOOD PRODUCT CROSS RAILS TOP AND BOTTOM. ALL COMPONENTS PERIMETER GLUED WITH HOT MELT GLUE
5. DOOR FRONTS: 3/4-INCH ENGINEERED WOOD PRODUCT WITH FRONT EDGE EDGE Banded AS SPECIFIED ABOVE
6. SHELVES: LESS THAN 36 INCHES IN LENGTH SHALL BE 3/4 INCH THICK ENGINEERED WOOD PRODUCT. SHELVES 36 INCHES LONG AND OVER SHALL BE 1 INCH THICK ENGINEERED WOOD PRODUCT. LEADING EDGE OF SHELF SHALL BE FINISHED WITH A HIGH IMPACT, RIGID PVC EXTRUSION, IN COLOR TO MATCH SHELF SURFACE AND CABINET INTERIOR
7. TOE BASE: SEPARATE TOE BASE FRAME TO BE CONSTRUCTED ON THE JOB SITE OF 3/4-INCH PLYWOOD PROVIDED BY THE CASEWORK MANUFACTURER. SHALL BE APPROXIMATELY 6 INCHES HIGH BY 3 INCHES DEEP, WITH NO OPEN POCKETS UNLESS NOTED OTHERWISE ON THE CONTRACT DRAWINGS
E. WALL AND UPPER CASES:
1. TOP PANEL: 3/4-INCH ENGINEERED WOOD PRODUCT, FRONT EDGE Banded AS SPECIFIED ABOVE
2. BOTTOM PANEL: 1-INCH HARDWOOD PLYWOOD, FRONT EDGE Banded AS SPECIFIED ABOVE
3. SIDE PANELS: 3/4-INCH ENGINEERED WOOD PRODUCT, FRONT EDGE Banded AS SPECIFIED ABOVE
4. BACK CONSTRUCTION: 3/8-INCH WITH 3/4 INCH X 3-INCH FULL WIDTH ENGINEERED WOOD PRODUCT CROSS RAILS TOP AND BOTTOM (ADDITIONAL CENTER RAIL ON UPPER CASE). ALL COMPONENTS HOT MELT PERIMETER GLUED
5. DOOR CONSTRUCTION:
A. SOLID: 3/4 INCH ENGINEERED WOOD PRODUCT, EDGE Banded AS SPECIFIED ABOVE
B. GRID: 3/4 INCH ENGINEERED WOOD PRODUCT, EDGE Banded AS SPECIFIED ABOVE
6. FALLER STRIPS: PROVIDE WHERE REQUIRED FOR CLOSING SPACE BETWEEN CABINETS AND WALLS OF SAME MATERIAL AND FINISH AS CABINETS
7. UTILITY OPENINGS & SPACE: PROVIDE CUTOUTS AND HOLES FOR PIPES, CONDUITS, WALL OUTLETS, SWITCHES, COMPUTER WIRING, VENTILATION HOLES, AND FITTINGS IN CABINET BODIES TO ACCOMMODATE SERVICES
H. ALL OPEN SHELVES: EXPOSED TO VIEW, SHALL HAVE INTERIOR SURFACES AND SHELVING OF SAME PLASTIC LAMINATE MATERIALS AS SPECIFIED FOR CABINET DOOR FRONTS
I. ALL CABINET, EQUIPMENT, WORK STATIONS, ETC., SURFACES EXPOSED TO VIEW (WHERE NOT SHOWN TO BE WOOD), INCLUDING UNDERNEATH OPEN COUNTERTOPS AT WORK STATIONS ETC., SHALL BE PLASTIC LAMINATE FACED 0.030 INCH THICK, GENERAL PURPOSE TYPE (HIGH-PRESSURE)
2.7 SOLID SURFACING MATERIAL COUNTERTOPS
A. FABRICATION: FABRICATE TOPS IN ONE PIECE WITH SHOP-APPLIED BACKSPLASHES AND EDGES UNLESS OTHERWISE INDICATED. COMPLY WITH SOLID SURFACING MATERIAL MANUFACTURER'S RECOMMENDATIONS FOR ADHESIVES, SEALERS, FABRICATION, AND FINISHING
B. INSTALL SINK BOWL OPENINGS IN COUNTERTOPS IN THE SHOP. FILED VERIFY SIZE AND LOCATION OF OPENINGS
C. DRILL HOLES IN COUNTERTOPS FOR PLUMBING FITTINGS AND SOAP DISPENSERS IN THE SHOP
D. SOLID SURFACING MATERIAL THICKNESS: 3/4 INCH MAXIMUM
E. BUILD UP EXPOSED EDGES OF TOPS TO 1-1/2 INCH THICKNESS. PROVIDE BACK & SIDE SPLASHES. ALL EDGES TO BE BASED SLIGHTLY ROUNDED. PROVIDE MANUFACTURER'S RECOMMENDED SEALANT AT BACK AND SIDES OF BACK SPLASH. TOPS SHALL BE ONE PIECE
F. COUNTERTOPS SPANNING BETWEEN SUPPORTS, OPEN UNDERNEATH, OR OVERHANGING SHALL BE BUILT TO SUPPORT 300 LB. (PER LINEAL FOOT) VERTICAL DOWN LOAD, LESS THAN 1/160 DEFLECTION. SUPPORTS SHALL BE SOLID SURFACING PANELS, APPROVED STEEL BRACKETS, AND/OR STEEL ANGLES, OR AS DETAIL
G. REFER TO FINISH LEGEND FOR COLORS, FINISH, AND MANUFACTURE OF SOLID SURFACING MATERIALS PROVIDED
3. EXECUTION
3.1 INSPECTION
A. EXAMINE THE SUBSTRATE AND CONDITIONS UNDER WHICH THE WORK UNDER THIS SECTION IS TO BE PERFORMED AND NOTIFY THE CONTRACTOR IN WRITING OF UNSATISFACTORY CONDITIONS. DO NOT START WORK WITH WALL UNDER THIS SECTION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED
3.2 PREPARATION
A. CONDITION CASEWORK TO AVERAGE PREVAILING HUMIDITY CONDITIONS IN INSTALLATION AREA BEFORE INSTALLING FOR A MINIMUM OF 48 HOURS
B. BEFORE INSTALLING ARCHITECTURAL CASEWORK, EXAMINE SHOP-FABRICATED WORK FOR COMPLETION AND COMPLETE WORK AS REQUIRED, INCLUDING BACK PRIME AND REMOVAL OF PACKING
3.3 INSTALLATION
A. UNLESS SHOWN OR SPECIFIED OTHERWISE INSTALLATION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIALS TO BE USED. ATTACHMENTS SHALL BE RIGID AND SUBSTANTIAL. THE WORK SHALL BE LEFT IN A FIRST-CLASS CONDITION
B. THE CONTRACTOR SHALL FINISH ALL ANCHORS, BOLTS, NAILS, BOLTS, EXPANSION AND TOGGLE BOLTS, CLIP ANGLES, INSERTS, NAILS, REQUIRE FOR APPROVED COMPLETE ASSEMBLY AND INSTALLATION OF ALL ITEMS HEREIN SPECIFIED WHERE BOLTS, SCREWS, ETC., ARE EXPOSED. FINISH SHALL BE BRONZE, BRASS, STAINLESS STEEL OR CHROMIUM FINISH, AS SPECIFIED BY A FINISH LEGEND
C. WOODWORK QUALITY STANDARD: INSTALL WOODWORK TO COMPLY WITH AFI FOR THE SAME GRADE SPECIFIED OF THIS SECTION FOR TYPE OF WOODWORK INVOLVED
D. INSTALL ALL CASEWORK PLUMB, LEVEL, TRUE, AND FIT WITH NO DISTORTIONS. SHIM AS REQUIRED WITH CONCEALED SHIMS INSTALL TO A TOLERANCE OF 1/16 INCH IN 96 INCHES FOR PLUMB AND LEVEL (INCLUDING TOPS)
E. ARCHITECTURAL CASEWORK INCLUDES BRACING, BLOCKING, SHIMS, AND HANGING STRIPS FOR INSTALLING CASEWORK ITEMS UNLESS INDICATED OTHERWISE. FINISH OTHER CONSTRUCTION PRIOR TO CASEWORK INSTALLATION TO PREPARE AND CUT CASEWORK. JOINING WORK AND REFINISH CUT SURFACES OR REPAIR DAMAGED FINISH AT CUTS
F. SHEETS IN PLACE WITHOUT DISTORTION SO THAT DOORS AND DRAWERS FIT OPENINGS PROPERLY AND ARE ADJUSTED. ADJUST HARDWARE TO CENTER DOORS AND DRAWERS IN OPENINGS AND TO PROVIDE UNIFORM OPERATIONS. COMPLETE THE INSTALLATION OF HARDWARE AND ACCESSORY ITEMS AS INDICATED
H. INSTALL CABINETS WITH NO MORE THAN 1/8 INCH IN 96-INCH SAG, BOW, OR OTHER VARIATION FROM A STRAIGHT LINE
I. TOPS: ANCHOR SECURELY TO BASE UNITS AND OTHER SUPPORT SYSTEMS AS INDICATED. CAULK SPACE BETWEEN BACKSLASH AND WALL WITH SPECIFIED SEALANT
J. INSTALL COUNTERTOPS WITH NO MORE THAN 1/8 INCH IN 96-INCH SAG, BOW, OR OTHER VARIATION FROM A STRAIGHT LINE