

SECTION 06 40 23 - INTERIOR ARCHITECTURAL WOODWORK

PART 1 - GENERAL

- 1.1 SUMMARY
- A. THIS SECTION INCLUDES INTERIOR WOODWORK INCLUDING FOR THE FOLLOWING APPLICATIONS:
1. WOOD FRAMES AND JAMBS.
 2. SHOP FINISHING OF WOODWORK.
 3. INSTALLATION OF WOODWORK FABRICATED UNDER THIS SECTION AND BY OTHERS.
- B. INTERIOR ARCHITECTURAL WOODWORK INCLUDES WOOD FURNISH, BLOCKING, SHIMS, AND HANGING STRIPS, UNLESS CONCEALED WITHIN OTHER CONSTRUCTION BEFORE WOODWORK INSTALLATION.
- C. RELATED SECTIONS
1. DIVISION 8 SECTION "FLUSH WOOD DOORS" FOR FLUSH WOOD DOORS INSTALLED IN WOOD FRAMES.
- 1.2 SUBMITTALS TO OWNER'S REPRESENTATIVE
- A. PRODUCT DATA: FOR THE FOLLOWING:
1. CABINET HARDWARE AND ACCESSORIES.
 2. FINISHING MATERIALS AND PROCESSES.
 3. OWNER FURNISHED ITEMS INCLUDING, BUT NOT LIMITED TO CASHWRAP, OPERENZA, PREFAB WALL SYSTEMS, FAUX WALL BEAMS ETC.
- B. SHOP DRAWINGS: INCLUDE LOCATION OF EACH ITEM, PLANS AND ELEVATIONS, LARGE-SCALE DETAILS, ATTACHMENT DEVICES, PARTS AND MATERIALS LIST, AND OTHER COMPONENTS.
- C. SAMPLES:
1. LUMBER AND PANEL PRODUCTS FOR TRANSPARENT FINISH, FOR EACH SPECIES AND CUT, FINISHED ON ONE SIDE AND ONE EDGE.
- 1.3 QUALITY ASSURANCE
- A. INSTALLER QUALIFICATIONS: FABRICATOR OF WOODWORK.
- B. QUALITY STANDARD: UNLESS OTHERWISE INDICATED, COMPLY WITH AIAWS "ARCHITECTURAL WOODWORK QUALITY STANDARDS" FOR GRADES OF INTERIOR ARCHITECTURAL WOODWORK, CONSTRUCTION, FINISHES, AND OTHER REQUIREMENTS.

- 1.4 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 LEVELS PLANNED FOR BUILDING OCCUPANTS DURING THE REMAINDER OF THE CONSTRUCTION PERIOD.

PART 2 - PRODUCTS

- 2.1 MATERIALS
- A. WOOD FOR TRANSPARENT FINISH:
1. SPECIES AND CUT: AS INDICATED IN DRAWINGS.
- B. WOOD FOR PAINT FINISH:
1. SPECIES: YELLOW POPLAR OR BIRCH, WHERE INDICATED IN DRAWINGS.
- C. WOOD PRODUCTS:
1. HARDBOARD: AIA A28.4.
 2. MEDIUM DENSITY FIBERBOARD: SUBJECT TO COMPLIANCE WITH ANSI A208.2, PROVIDE ONE OF THE FOLLOWING:
- A. CANIFBER GROUP LTD.; ALLGREEN.
- B. SIERRAPINE LTD.; MEDITE II.
3. MEDIUM DENSITY OVERLAY: SUBJECT TO COMPLIANCE WITH ANSI A208.2, OLYMPIC PANEL PRODUCTS - CREZON/2VO STEP MDQ OR EQUAL.
- A. PARTICLEBOARD: ANSI A208.1, GRADE M2-EXTERIOR BLUE.
- A. PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE RESINCORE-1 BY ROMAN INDUSTRIES.
4. HARDWOOD PLYWOOD AND FACE VENEERS: HFVA HP-1.
 - D. THERMOSET DECORATIVE OVERLAY: PARTICLEBOARD OR MEDIUM-DENSITY FIBERBOARD WITH SURFACE OF THERMALLY FUSED, MELAMINE-IMREGATED DECORATIVE PAPER COMPLYING WITH LWA SAT-1.
- E. HIGH-PRESSURE DECORATIVE LAMINATES: NEMA LD 3.
- F. MANUFACTURERS AND PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS INDICATED IN FINISH SCHEDULE.

- 2.2 INSTALLATION MATERIALS
- A. FURRING, BLOCKING, SHIMS, AND HANGING STRIPS: SOFTWOOD OR HARDWOOD LUMBER, KILN-DRIED TO LESS THAN 15 PERCENT MOISTURE CONTENT.

- 2.3 FABRICATION
- A. GENERAL: COMPLETE FABRICATION TO MAXIMUM EXTENT POSSIBLE BEFORE SHIPMENT TO PROJECT SITE. WHERE NECESSARY FOR FITTING AT SITE, PROVIDE ALLOWANCE FOR SORBING, TRIMMING, AND FITTING.
1. INTERIOR WOODWORK GRADE: CUSTOM COMPLYING WITH THE REFERENCED QUALITY STANDARD.
 2. SHOP CUT OPENINGS TO MAXIMUM EXTENT POSSIBLE. SAND EDGES OF CUTOUTS TO REMOVE SPLINTERS AND BURRS.
 3. SEAL EDGES OF OPENINGS IN COUNTERTOPS WITH A COAT OF VARNISH.
 4. FOR TRIM ITEMS WIDER THAN AVAILABLE LUMBER, USE VENEERED CONSTRUCTION. DO NOT GLUE FOR WIDTH.
 5. BACKOUT OR GROOVE BACKS OF FLAT TRIM MEMBERS AND KEEL BACKS OF OTHER WIDE, FLAT MEMBERS, EXCEPT FOR MEMBERS WITH EDGES EXPOSED IN FINISHED WORK.
 6. ASSEMBLE CASINGS IN PLANT EXCEPT WHERE LIMITATIONS OF ACCESS TO PLACE OF INSTALLATION REQUIRE FIELD ASSEMBLY.
 - B. PLASTIC-LAMINATE PANELING AND COLUMN COVERS:
 - C. LAMINATE CLADDING FOR EXPOSED SURFACES: HIGH-PRESSURE DECORATIVE OF GRADE INDICATED.
 - A. VERTICAL SURFACES: VGS.
 - B. EDGES: VGS OR PVC TAPE, 0.018-INCH (0.460-MM) MINIMUM THICKNESS, MATCHING LAMINATE IN COLOR, PATTERN, AND FINISH.
 2. COLORS, PATTERNS, AND FINISHES: AS INDICATED BY MANUFACTURER'S DESIGNATIONS IN FINISH SCHEDULE.
 - C. INTERIOR FRAMES AND JAMBS: PRODUCTS FABRICATED FROM PARTICLEBOARD OR MEDIUM-DENSITY FIBERBOARD, OR AS INDICATED ON DRAWINGS.

- 2.4 SHOP FINISHING
- A. FINISH ARCHITECTURAL WOODWORK AT FABRICATION SHOP. DEFER ONLY FINAL TOUCHUP, CLEANING, AND POLISHING UNTIL AFTER INSTALLATION, EXCEPT WHERE FIELD PAINTING IS INDICATED IN DRAWINGS.
- B. BACKPRIMING: APPLY ONE COAT OF SEALER OR PRIMER, COMPATIBLE WITH FINISH COATS, TO CONCEALED SURFACES OF WOODWORK.
1. APPLY TWO COATS TO BACK OF PANELING.
- C. TRANSPARENT FINISH: COMPLY WITH REQUIREMENTS INDICATED BELOW FOR GRADE, FINISH SYSTEM, STAINING, AND SHEEN, WITH SHEEN MEASURED ON 60-DEGREE GLOSS METER PER ASTM D 523:
1. GRADE: CUSTOM.
 2. AIAI FINISH SYSTEM: MATCH SAMPLE, WITH PERFORMANCE NOT LESS THAN TR-4, CONVERSION VARNISH.
 3. STAINING: MATCH SAMPLE.
 4. SHEEN: MATCH SAMPLE GLOSS UNITS.
 - D. PAINT FINISH: SHOP PRIME FOR FIELD PAINTING ACCORDING TO DIVISION 9 SECTION "PAINTING."
 1. PRIME ALL SIDES OF ALL PIECES OF BLIND DOOR FRAMES.
 - E. EXPOSED HARDWARE FINISHES: COMPLYING WITH BMA A56.18 FOR BMA FINISH NUMBER INDICATED. 1. SATIN CHROMIUM PLATED: BMA 626 FOR BRASS OR BRONZE BASE; BMA 662 FOR STEEL BASE.

PART 3 - EXECUTION

- 3.1 INSTALLATION
- A. THE REQUIREMENTS OF THIS ARTICLE APPLY TO WOODWORK FABRICATED AS PART OF THE WORK OF THIS SECTION AND TO WOODWORK FABRICATED UNDER SEPARATE CONTRACT.
- B. CONDITION WOODWORK TO AVERAGE PREVAILING HUMIDITY CONDITIONS IN INSTALLATION AREAS AND EXAMINE AND COMPLETE WORK AS REQUIRED, INCLUDING REMOVAL OF PACKING AND BACKPRIMING BEFORE INSTALLATION.
- C. QUALITY STANDARD: INSTALL WOODWORK TO COMPLY WITH LWA SECTION 1700 FOR THE SAME GRADE SPECIFIED IN THIS SECTION FOR TYPE OF WOODWORK INVOLVED.
- C. INSTALL WOODWORK LEVEL, PLUMB, TRUE, AND STRAIGHT TO A TOLERANCE OF 1/8 INCH IN 96 INCHES (3 MM IN 2400 MM). SHIM AS REQUIRED WITH CONCEALED SHIMS.
- D. SCRIBE AND CUT WOODWORK TO FIT ADJOINING WORK, AND 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. INSTALL WOOD DOORS TO COMPLY WITH REFERENCED QUALITY STANDARD AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
1. FACTORY-FITTED DOORS: ALIGN IN FRAMES FOR UNIFORM CLEARANCE AT EACH EDGE.

END OF SECTION 06 40 23

SECTION 06 46 00 - WOOD TRIM

- 1.01 SUMMARY
- A. SECTION INCLUDES:
1. WOOD DOOR AND WINDOW CASINGS
 2. WOOD FASCIA AND SOFFITS
 3. WOOD STOPS, STOOLS, AND SILLS
- B. RELATED SECTIONS
1. ROUGH CARPENTRY: WOOD BLOCKING OR GROUNDS INSIDE FINISHED WALLS OR ABOVE FINISHED CEILINGS.
 2. WOOD PANELING
 3. WOOD AND PLASTIC LAMINATE CASEWORK.
 4. WOOD DOORS.
- 1.02 REFERENCES
- A. MINIMUM STANDARDS FOR WORK IN THIS SECTION SHALL BE IN CONFORMITY WITH THE ARCHITECTURAL WOODWORK STANDARDS, LATEST EDITION, PUBLISHED JOINTLY BY THE ARCHITECTURAL WOODWORK INSTITUTE, THE ARCHITECTURAL WOODWORK MANUFACTURER ASSOCIATION OF CANADA, AND THE WOODWORK INSTITUTE.
- 1.03 SUBMITTALS
- A. SHOP DRAWINGS:
1. SUBMIT SHOP DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE ARCHITECTURAL WOODWORK STANDARDS.
 2. SUBMIT TWO COPIES, ONE OF WHICH WILL BE RETURNED WITH REVIEWED NOTATIONS. MAKE CORRECTIONS NOTED (IF ANY), AND DISTRIBUTE REQUIRED COPIES PRIOR TO THE START OF WORK.
- B. SAMPLES:
1. SUBMIT FOUR [FINISHED] SAMPLES OF EACH SPECIES AND CUT OF WOOD TO BE USED. LUMBER SAMPLES TO BE MINIMUM 6" BY 12". PLYWOOD SAMPLES TO BE MINIMUM 12" BY 12". SAMPLES SHALL REPRESENT THE RANGE OF COLOR AND GRAIN EXPECTED TO BE PROVIDED.

- 1.04 QUALITY ASSURANCE
- A. WORK SHALL BE IN ACCORDANCE WITH THE GRADE OR THE GRADES SPECIFIED OF THE ARCHITECTURAL WOODWORK STANDARDS.
- B. CERTIFIED COMPLIANCE
1. BEFORE DELIVERY TO THE JOBSITE THE WOODWORK SUPPLIER SHALL PROVIDE A WOODWORK INSTITUTE CERTIFIED COMPLIANCE CERTIFICATE INDICATING THE MILLWORK PRODUCTS BEING SUPPLIED AND CERTIFYING THAT THESE PRODUCTS FULLY MEET THE REQUIREMENTS OF THE GRADE OR GRADES SPECIFIED.
 2. EACH ELEVATION OF CASEWORK, EACH LAMINATED PLASTIC TOP, AND EACH SOLID SURFACE TOP SHALL BEAR A WOODWORK INSTITUTE CERTIFIED COMPLIANCE LABEL.
 3. AT COMPLETION OF INSTALLATION THE WOODWORK INSTALLER SHALL PROVIDE A WOODWORK INSTITUTE CERTIFIED COMPLIANCE CERTIFICATE INDICATING THE PRODUCTS INSTALLED, AND CERTIFYING THAT THE INSTALLATION OF THESE PRODUCTS FULLY MEETS THE REQUIREMENTS OF THE GRADE OR GRADES SPECIFIED.
 4. ALL FEES CHARGED BY THE WOODWORK INSTITUTE FOR THEIR CERTIFIED COMPLIANCE PROGRAM ARE THE RESPONSIBILITY OF THE MILLWORK MANUFACTURER AND/OR INSTALLER AND SHALL BE INCLUDED IN THEIR BID.]
- C. MONITORED COMPLIANCE
1. ALL MILLWORK AND THE INSTALLATION THEREOF FOR THIS PROJECT SHALL BE MONITORED FOR COMPLIANCE TO THE CONTRACT DOCUMENTS BY A WOODWORK INSTITUTE DIRECTOR OF ARCHITECTURAL SERVICES
 2. FULL PARTICULARS OF THE WOODWORK INSTITUTE MONITORED COMPLIANCE PROGRAM MAY BE FOUND AT THE INSTITUTE WEB SITE AT WWW.WOODWORKINSTITUTE.COM OR BY CALLING THE ADMINISTRATIVE OFFICE AT (916) 372-9943.
 3. MILLWORK AND/OR INSTALLATION FOUND TO BE NON COMPLIANT (AND NOT CORRECTED) WILL BE REJECTED.
 4. ISSUANCE OF A MONITORED COMPLIANCE CERTIFICATE IS A PREREQUISITE OF ACCEPTANCE.
 5. ALL FEES CHARGED BY THE WOODWORK INSTITUTE FOR THEIR CERTIFIED COMPLIANCE PROGRAM ARE THE RESPONSIBILITY OF THE MILLWORK MANUFACTURER AND/OR INSTALLER AND SHALL BE INCLUDED IN THEIR BID.]
- D. QUALIFICATIONS
1. FIRM (WOODWORK MANUFACTURER) WITH NO LESS THAN 5 YEARS OF PRODUCTION EXPERIENCE SIMILAR TO THIS PROJECT, WHOSE QUALIFICATIONS INDICATE THE ABILITY TO COMPLY WITH THE REQUIREMENTS OF THIS SECTION.
 2. THE WOODWORK MANUFACTURER MUST HAVE HAD AT LEAST ONE PROJECT IN THE PAST 5 YEARS WHERE THE VALUE OF THE WOODWORK WAS WITHIN 20 PERCENT OF THE COST OF WOODWORK FOR THIS PROJECT.
 - E. SINGLE SOURCE RESPONSIBILITY: A SINGLE MANUFACTURER SHALL PROVIDE AND INSTALL THE WORK OF THIS SECTION.

- 1.05 DELIVERY, STORAGE, AND HANDLING
- A. DELIVER MATERIALS ONLY WHEN THE PROJECT IS READY FOR INSTALLATION AND THE GENERAL CONTRACTOR HAS PROVIDED A CLEAN STORAGE AREA.
1. DELIVERIES OF ARCHITECTURAL MILLWORK SHALL BE MADE ONLY WHEN THE AREA OF OPERATION IS ENCLOSED, ALL PLASTER AND CONCRETE WORK IS DRY AND THE AREA BROOM CLEAN.
 2. MAINTAIN MOOR TEMPERATURE AND HUMIDITY WITHIN THE RANGE RECOMMENDED BY THE ARCHITECTURAL WOODWORK STANDARDS FOR THE LOCATION OF THE PROJECT.

- 1.06 SCHEDULING
- A. COORDINATE FABRICATION, DELIVERY, AND INSTALLATION WITH THE GENERAL CONTRACTOR AND OTHER APPLICABLE TRADES.

PART 2 - PRODUCTS

- 2.01 COMPONENTS
- A. LUMBER SHALL BE SOUND, KILN DRIED, AND IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS REQUIREMENTS FOR ITS USE AND THE GRADE SPECIFIED.
- B. PARTICLEBOARD, MDF, AND PLYWOOD SHALL MEET THE REQUIREMENTS OF THE AWS FOR THE GRADE SPECIFIED AND THEIR INTENDED USE.
- C. VENEERED COMPONENTS SHALL BE IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS REQUIREMENTS FOR THE GRADE SPECIFIED.
2. ADHESIVES USED SHALL BE TYPE II

- 2.02 FABRICATION
- A. INTERIOR MILLWORK SHALL BE ARCHITECTURAL WOODWORK STANDARDS [CUSTOM] [PREMIUM] GRADE.
- B. TRIM FOR OPAQUE FINISH.
 1. MOLDINGS SHALL BE CLOSED GRAIN HARDWOOD
 - C. TRIM FOR TRANSPARENT FINISH:
 1. MOLDINGS SHALL BE AS INDICATED IN THE FINISH SCHEDULE
 2. EXPOSED FACES OF VENEERED ITEMS SHALL BE AS INDICATED IN THE FINISH SCHEDULE

PART 3 - EXECUTION

- 3.01 EXAMINATION
- A. VERIFY THE ADEQUACY AND PROPER LOCATION OF ANY REQUIRED BACKING OR SUPPORT FRAMING.
- B. VERIFY THAT MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER BUILDING COMPONENTS EFFECTING WORK IN THIS SECTION ARE IN PLACE AND READY.

- 3.02 INSTALLATION
- A. INSTALL ALL WORK IN CONFORMANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, LATEST EDITION.
 1. INSTALLATION SHALL CONFORM TO THE AWS GRADE OF THE ITEMS BEING INSTALLED.
 - B. ALL WORK SHALL BE SECURED IN PLACE, SQUARE, PLUMB, AND LEVEL.
 - C. ALL WORK ABUTTING OTHER BUILDING COMPONENTS SHALL BE PROPERLY SCRIBED.
 - D. MECHANICAL FASTENERS USED AT EXPOSED AND SEMI-EXPOSED SURFACES SHALL BE COUNTERSUNK.

- 3.03 ADJUSTING & TOUCH UP
- A. ALL NICKS, CHIPS AND SCRATCHES SHALL BE [SANDED OUT] [FILLED AND RE-TOUCHED] DAMAGED ITEMS WHICH CANNOT BE REPAIRED SHALL BE REPLACED.

- 3.04 CLEANUP
- A. UPON COMPLETION OF INSTALLATION, THE INSTALLER SHALL CLEAN ALL INSTALLED ITEMS OF PENCIL AND INK MARKS, AND BROOM CLEAN THE AREA OF OPERATION, DEPOSITING DEBRIS IN CONTAINERS PROVIDED BY THE GENERAL CONTRACTOR.

END OF SECTION 06 46 00

SECTION 07 24 00 - EXTERIOR INSULATION AND FINISH SYSTEM

PART 1 - GENERAL

- 1.1 SUMMARY
- A. SECTION INCLUDES: PROVIDE DRAINABLE HIGH-PERFORMANCE EXTERIOR INSULATION AND FINISH SYSTEM CONSISTING OF POLYSTYRENE INSULATION AND SYNTHETIC PLASTER FINISH WITH SHEATHING, ANCHORAGES, RELATED FLASHINGS, AND ACCESSORIES.
1. RAINSCREEN SYSTEM: SYSTEM IS DESIGNED USING RAINSCREEN CONCEPT WHERE PRIMARY WATER BARRIER IS JUST BEFORE SHEATHING AND EXTERIOR COMPONENTS ARE DESIGNED TO ALLOW WATER WITHIN SYSTEM TO DRAIN BACK TO EXTERIOR.
 - B. COLD-FORMED METAL FRAMING IS SPECIFIED IN SECTION 05 40 00 - COLD-FORMED METAL FRAMING.
- 1.2 ADMINISTRATIVE REQUIREMENTS
- A. DELEGATED DESIGN SERVICES: PROVIDE SPECIAL ENGINEERING TO ENSURE COMPLIANCE WITH APPLICABLE CODES AND CONTRACT DOCUMENTS.
- B. PRE-INSTALLATION MEETING: CONVENE NOT LESS THAN ONE WEEK PRIOR TO COMMENCING WORK OF THIS SECTION. REQUIRE ATTENDANCE OF THOSE DIRECTLY AFFECTING WORK OF THIS SECTION. REVIEW INSTALLATION PROCEDURES AND COORDINATION REQUIRED WITH RELATED WORK.

- 1.3 SUBMITTALS
- A. PRODUCT DATA: SUBMIT LITERATURE FOR SYSTEM AND EACH MANUFACTURED COMPONENT.
- B. SHOP DRAWINGS: CLEARLY INDICATE DIMENSIONING, PANEL LAYOUT, GENERAL CONSTRUCTION DETAILS, ANCHORAGES AND METHOD OF ANCHORAGE. INDICATE LOCATIONS OF COLD JOINTS FOR ARCHITECT APPROVAL.
- C. SAMPLES: SUBMIT SAMPLES OF EACH COLOR AND TEXTURE OF FINISH INCLUDING SAMPLES OF EACH COLOR OF JOINT SEALER.
- D. CONTRACT DOCUMENT REVIEW: SUBMIT SYSTEM MANUFACTURER'S CERTIFICATION NOTING CONTRACT DOCUMENTS HAVE BEEN THOROUGHLY REVIEWED AND CONDITIONS AND SUBSTRATES ARE ACCEPTABLE AND IN CONFORMANCE WITH APPLICABLE CODES.
1. INFORM ARCHITECT WHERE CONDITIONS AND SUBSTRATES VARY FROM MANUFACTURER'S STANDARD RECOMMENDATIONS.
- E. INSTALLATION CERTIFICATION: SUBMIT MANUFACTURER'S REPRESENTATIVE'S CERTIFICATION WORK HAS BEEN INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- F. JOINT SEALER APPLICATOR: SUBMIT JOINT SEALANT MANUFACTURER CERTIFICATION APPLICATOR IS TRAINED AND IS ACCEPTABLE FOR PROJECT JOINT SEALER INSTALLATION.
- G. DELEGATED DESIGN CERTIFICATES: SUBMIT CERTIFICATION SIGNED BY LICENSED STRUCTURAL ENGINEER LICENSED AT PROJECT LOCATION INDICATING COMPLIANCE WITH CONTRACT DOCUMENTS AND CODE REQUIREMENTS.
1. CALCULATIONS: PROVIDE TO ENFORCING AGENCY WHERE REQUESTED.

- 1.4 QUALITY ASSURANCE
- A. QUALIFICATION OF INSTALLER: MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE IN PROJECTS OF SIMILAR SCOPE, TRAINED BY SYSTEM MANUFACTURER WITH CURRENT CERTIFICATE OF TRAINING FROM MANUFACTURER.
1. SEALANT INSTALLER QUALIFICATIONS: TRAINED APPLICATOR OF JOINT SEALER MANUFACTURER WITH MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE WITH HIGH PERFORMANCE COMMERCIAL JOINT SEALERS AND ACCEPTABLE TO SEALANT MANUFACTURER.
 - B. MOCK-UP: PROVIDE 100 SF EIFS INDICATING PROPOSED CONSTRUCTION INCLUDING REVEALS, CORNERS, SPECIAL SHAPES, AND JOINT TREATMENT. APPROVED MOCK-UP MAY BE INCORPORATED INTO PROJECT.
- 1.5 DELIVERY, STORAGE, AND HANDLING
- A. STORE ADHESIVE AND FINISH COATING MATERIAL UNDER COVER IN COOL, DRY PLACE, OUT OF SUN AND ABOVE 40 DEGREES F.
 - B. KEEP REINFORCING FABRIC COVERED AND DRY.
 - C. STORE INSULATION AND SHEATHING BOARD FLAT; PROTECT INSULATION FROM SUNLIGHT.
 - D. LABEL FINISH MATERIAL BY COLOR AND BATCH NUMBER FOR COLOR CONSISTENCY.

- 1.6 WARRANTY
- A. EXTENDED CORRECTION PERIOD: PROVIDE FOR CORRECTING FAILURE OF SYSTEM TO RESIST DAMAGE FROM ANTICIPATED SOURCES INCLUDING DAMAGE FROM WIND AND WATER PENETRATION FOR NOT LESS THAN TWO YEARS. REPAIR SYSTEM AND PAY FOR OR REPLACE DAMAGED MATERIALS AND SURFACES.
- B. MANUFACTURER WARRANTY: PROVIDE MANUFACTURER'S STANDARD 10 YEAR LIMITED WARRANTY FOR SYSTEM AND COMPONENTS AND 6 YEAR LIMITED WARRANTY FOR FADE RESISTANCE FOR USE OF HIGH PERFORMANCE COLORANTS.

1. MANUFACTURER'S WARRANTY SHALL NOT DETRACT FROM REQUIREMENTS OF EXTENDED CORRECTION PERIOD NOR FROM OWNER'S RIGHTS UNDER IMPLIED AND EXPRESSED WARRANTIES REGARDLESS OF WORDING OF MANUFACTURER'S WARRANTY.

PART 2 - PRODUCTS

- 2.1 SYSTEMS MANUFACTURERS
- A. DRYVIT SYSTEM, INC.; SUBSTITUTIONS NOT PERMITTED.

- 2.2 MATERIALS
- A. SYSTEM DESCRIPTION: PROVIDE EXTERIOR INSULATION AND FINISH SYSTEM CONSISTING OF POLYSTYRENE INSULATION AND SYNTHETIC PLASTER FINISH WITH SHEATHING, ANCHORAGES, RELATED FLASHINGS, AND ACCESSORIES FOR COMPLETE SYSTEM.
- B. REGULATORY REQUIREMENTS: SYSTEM TO COMPLY WITH APPLICABLE CODES AND REGULATIONS.
1. PROVIDE EIFS SYSTEMS APPROVED BY APPLICABLE ENFORCEMENT AGENCIES; WHERE REQUIRED BY AGENCIES, PROVIDE INFORMATION AND SUPPORTING DATA NECESSARY FOR APPROVAL OF NON-STANDARD INSTALLATIONS.
- C. DESIGN CRITERIA: DESIGN SYSTEM TO WITHSTAND ANTICIPATED WIND LOADS. COMPLY WITH APPLICABLE CODE REQUIREMENTS FOR USE AND THICKNESS OF PLASTIC INSULATION USED IN SYSTEM.
- D. PERFORMANCE REQUIREMENTS:
1. TENSILE STRENGTH OF ADHESIVE: INSULATION TO SHEATHING SHALL BE MINIMUM 1200 PSF WHEN TESTED IN ACCORDANCE WITH ASTM C297.
 2. IMPACT RESISTANCE: EIMA 101.86, INDENTATION MAXIMUM 8.5 MM, NO CRACKING.
 3. WATER VAPOR TRANSMISSION: ASTM E96; INSULATION TRANSMISSION OF 1.2 TO 2.0 PERM-INCH, FINISH TRANSMISSION OF 9.75 PERM.
 4. WATER AND AIR LEAKAGE: SYSTEM SHALL BE FREE OF LEAKAGE OF BOTH AIR AND WATER; COMPLY WITH ASTM E283 AND E331.
 5. DEFLECTION: PROVIDE FOR MAXIMUM L/240.
- E. EXTERIOR FINISH ASSEMBLY SYSTEM: COMPOSITE OF SHEATHING, INSULATION BOARD AND TWO-COAT SYNTHETIC PLASTER FINISH WITH GLASS FIBER REINFORCING.

1. SYSTEM: DRAWINGS ARE BASED ON DRYVIT/OUTSULATION PLUS SYSTEM
2. DRAINABLE OR RAIN SCREEN SYSTEM: PROVIDE MANUFACTURER'S PREMIUM GRADE SYSTEM WITH PRESSURE EQUALIZED RAINSCREEN CAPABILITIES ALLOWING FOR MOISTURE CONTROL AND DRAINAGE, AND RESISTANT TO MOLD, MILDEW, AND BIOLOGICAL GROWTH.
- F. SHEATHING: SILICONE TREATED GLASS MAT GYPSUM SHEATHING, ASTM C1177, TYPE X, 5/8" THICK UNLESS OTHERWISE INDICATED; GEORGIA PACIFIC/DENSGLOSS GOLD, SUBSTITUTIONS NOT PERMITTED.
1. SHEATHING FASTENERS: MINIMUM 300 SERIES STAINLESS STEEL.
 - G. ADHESIVE: ACRYLIC OR COMBINED ACRYLIC AND PORTLAND CEMENT MIX AS RECOMMENDED BY MANUFACTURER AND DESIGNATED TO BE COMPATIBLE BOTH IN BOND STRENGTH AND CHEMICAL STRUCTURE, WITH INSULATION AND SHEATHING.
 1. BOND STRENGTH: MINIMUM 700 PSI AT CONCRETE, 300 PSI AT SHEATHING.
 2. PORTLAND CEMENT: ASTM C150, TYPE AS RECOMMENDED BY SYSTEM MANUFACTURER FOR BONDING ADHESIVE.
 3. MECHANICAL FASTENERS: WHERE PART OF MANUFACTURER'S STANDARD SYSTEM, PROVIDE MANUFACTURER'S RECOMMENDED FASTENERS.
 - H. INSULATION: POLYSTYRENE, ASTM C578, EXTRUDED OR EXPANDED TYPE; MINIMUM AVERAGE DENSITY 1.0 PCF.
 1. FIRE RESISTANCE: PROVIDE INSULATION SPECIALLY TREATED TO DEVELOP MAXIMUM FIRE RESISTANCE BASED ON ASTM E84 TUNNEL TEST, AND FULL SCALE CORNER TEST OF SYSTEM.
 2. SPECIAL SHAPES: HOT WIRE CUT INSULATION IN SHOP TO SPECIAL SHAPES INDICATED MAINTAINING TOLERANCES NECESSARY TO ACHIEVE TOLERANCES SPECIFIED FOR FINISHED INSTALLATION OF EIFS SYSTEM.
 - I. REINFORCING: BALANCED OPEN WEAVE GLASS FIBER FABRIC MADE FROM TWISTED MULTI-END STRANDS AND COMPATIBLE WITH OTHER SYSTEM MATERIALS.
 1. PROVIDE STANDARD, INTERMEDIATE, AND HEAVY-DUTY MESH IN ACCORDANCE WITH SYSTEM MANUFACTURER RECOMMENDATIONS FOR VARIOUS LOCATIONS OF EXTERIOR FINISH ASSEMBLIES ON PROJECT.
 2. PROVIDE HEAVY-DUTY MESH WHERE SYSTEM IS WITHIN 10 FEET OF GRADE AND WHERE ON SURFACES WITHIN REACH FROM GRADE AND ACCESSIBLE SURFACES.
 - J. TRIM: MANUFACTURER'S RECOMMENDED PLASTIC CASING BEADS AND TRIM AT CORNERS AND EDGES OF

- INSULATION.
- K. BASE COAT: 100% ACRYLIC BONDING LAYER CONTINUOUSLY REINFORCED WITH FIBERGLASS FABRIC.
1. THICKNESS: AS REQUIRED TO COMPLETELY EMBED REINFORCING.
- L. SHEAR BOND ON SURFACE OF INSULATION SHALL DEVELOP FULL TENSILE STRENGTH OF REINFORCING.
- L. FINISH COAT: 100% ACRYLIC FINISH FULLY BONDED AND COMPATIBLE WITH BASE COAT; FORMULATED TO PRECLUDE GROWTH OF MOLD AND ORGANIC MATERIAL.
1. COLOR AND FINISH: MANUFACTURER'S STANDARD AS SELECTED BY ARCHITECT.
- M. INTEGRAL WATERPROOFING SYSTEM: COPOLYMER BASED WATERPROOFING SYSTEM COMPATIBLE WITH EIFS SYSTEM COMPONENTS AND DESIGNED TO MAINTAIN INTEGRITY OF SYSTEM AT LOW SLOPE SILLS AND PARAPET CORING TYPE INSTALLATION.
1. WATERPROOFING: CONCEALED IN SYSTEM.
- N. JOINT SEALANTS: TYPE AS RECOMMENDED AND APPROVED BY EXTERIOR FINISH SYSTEM MANUFACTURER.
1. USE ONLY ONE TYPE OF JOINT SEALER THROUGHOUT PROJECT, COORDINATE WITH SECTION 07 90 00 - JOINT SEALANTS.
2. TYPE: TREMCO/SPECTRUM 3 OR DOW CORNING/790 LOW MODULUS SILICONE SEALANT; COMPLY WITH EIFS SYSTEM MANUFACTURER REQUIREMENTS AND WITH REQUIREMENTS SPECIFIED IN SECTION 07 90 00 - JOINT SEALANTS.
3. COLOR: MATCH SYNTHETIC PLASTER FINISH UNLESS OTHERWISE INDICATED.
- 2.3 MIXES
- A. ADHESIVE: COMPLY WITH SYSTEM MANUFACTURER RECOMMENDATIONS FOR PROPORTIONS AND MIXING OF MATERIALS FOR ADHESIVE FOR BONDING INSULATION TO SUBSTRATES INDICATED ON DRAWINGS.
- B. MIX BASE AND FINISH COAT MATERIALS IN ACCORDANCE WITH SYSTEM MANUFACTURER RECOMMENDATIONS AND INSTRUCTIONS; DO NOT ADD MATERIALS OR ADMIXTURES UNLESS SPECIFICALLY APPROVED BY SYSTEM MANUFACTURER.
1. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

PART 3 - EXECUTION

- 3.1 EXAMINATION
- A. EXAMINE SUBSTRATE AND VERIFY WORK IS COMPLETE AND SUITABLE FOR INSTALLATION OF EXTERIOR FINISH ASSEMBLIES.
- 3.2 PREPARATION
- A. DO NOT PROCEED UNLESS SUBSTRATES ARE ACCEPTABLE TO MANUFACTURER'S REPRESENTATIVE AND SUBSTRATES ARE SUITABLE TO MAINTAIN TOLERANCES SPECIFIED FOR FINISHED INSTALLATION.

- 3.3 INSTALLATION
- A. GENERAL: INSTALL EXTERIOR INSULATION AND FINISH SYSTEM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, AND AS REQUIRED TO COMPLY WITH SPECIFIED DESIGN REQUIREMENTS.
1. PROTECT SYSTEM FROM WATER DURING INSTALLATION AND UNTIL SEALANT IS INSTALLED.
- B. EXPANSION JOINTS: PROVIDE CONTINUOUS EXPANSION JOINTS AT FOLLOWING LOCATIONS.
1. WHERE EXPANSION JOINTS OCCUR IN SUBSTRATE BENEATH SYSTEM.
 2. WHERE BUILDING EXPANSION JOINTS OCCUR.
 3. WHERE SUBSTRATE TYPE CHANGES.
 4. WHERE SIGNIFICANT STRUCTURAL MOVEMENT CAN BE ANTICIPATED SUCH AS CHANGES IN ROOF LINE, LONG CONTINUOUS ELEVATIONS, AND CHANGES IN BUILDING SHAPE AND STRUCTURAL SYSTEM.
 5. AT EACH FLOOR WHERE INTER-STORY MOVEMENT IS ANTICIPATED. CONSULT WITH PROJECT STRUCTURAL ENGINEER TO ESTABLISH POTENTIAL OF INTER-STORY MOVEMENT.
- C. SHEATHING: SCREW APPLY GYPSUM SHEATHING TO METAL FRAMING IN ACCORDANCE WITH ASTM C840, SHEATHING MANUFACTURER'S RECOMMENDATIONS, AND SYSTEM MANUFACTURER INSTRUCTIONS AND RECOMMENDATIONS, COMPLY WITH REQUIRED FIRE RATINGS.
- D. INSULATION: PROVIDE AS REQUIRED TO ENSURE RAINSCREEN TYPE INSTALLATION. CUT INSULATION TO SHAPES AS REQUIRED FOR FINISHED SHAPES INDICATED ON DRAWINGS. APPLY TO VERTICAL SURFACES STARTING FROM BASE USING EITHER PERMANENT OR TEMPORARY SUPPORT.

1. STAGGER BOARDS AT CORNERS TO PROVIDE LOCK BOND.
2. PRECUT INSULATION TO FIT SNUGLY AROUND OPENINGS AND PENETRATIONS. RASP IRREGULARITIES OVER 1/16" FLUSH.
3. BUTT JOINTS TIGHT, APPLY PRESSURE OVER ENTIRE SURFACE OF INSULATION TO PROVIDE UNIFORM CONTACT.
4. INSTALL CORNER BEADS, CAPPING BEADS AND ACCESSORIES INDICATED ON DRAWINGS OR RECOMMENDED BY MANUFACTURER.
5. CORNERS AND EDGES: STRAIGHT AND UNDAMAGED, REMOVE DAMAGED AREAS (MINIMUM OF 1 SF INSULATION) AND REPLACE WITH UNDAMAGED MATERIAL.
- E. MAINTAIN SURFACE FLATNESS WITH MAXIMUM VARIATIONS OF 1/8" IN 10 FEET.
- F. BASE COAT AND REINFORCING:
1. APPLY BASE COAT TO UNIFORM THICKNESS OF APPROXIMATELY 1/16" AND IMMEDIATELY EMBED REINFORCING INTO COATING.
 2. REINFORCING SHALL BE CONTINUOUS AROUND CORNERS AND LAPPED NOT LESS THAN 2-1/2" AT EDGES.
 3. EMBED REINFORCING FLAT WITHOUT WRINKLES, PUCKERS, OR FISHMOUTHS.
 4. PROVIDE SPECIAL REINFORCING AND BASE COAT AT CORNERS TO OBTAIN MAXIMUM IMPACT RESISTANCE.
 5. APPLY SPECIAL IMPACT RESISTANT REINFORCING AT AREAS REQUIRING SPECIAL PROTECTION.
 6. APPLY WATERPROOFING SYSTEM AT SILLS, PARAPET CAPS, AND SIMILAR LOCATIONS WHERE SYSTEM HAS LOW SLOPE THAT COULD RESULT IN WATER ACCUMULATION ON SYSTEM.
 - G. FINISH: PROVIDE UNIFORM SURFACE IN MANNER TO ACHIEVE FINISHES AS APPROVED BY ARCHITECT AND MATCHING APPROVED SAMPLES.
- H. COLD-JOINTS: APPLY FINISH COAT IN CONTINUOUS APPLICATION TO AVOID COLD-JOINTS AT LOCATIONS OTHER THAN AS APPROVED BY ARCHITECT.
1. COLD-JOINTS INCLUDE JOINTS WHICH RESULT FROM SCAFFOLDS, BREAKS, END-OF-DAY, AND CHANGES IN MATERIALS THAT MAY BE NOTICEABLE IN CURED, FINISHED APPLICATION.
 2. A UNIFORM FINISH FREE OF COLD-JOINTS IS REQUIRED.
- I. REVEALS: MAINTAIN STRAIGHT AND TRUE TO LINE.
- J. CURING: IN ACCORDANCE WITH SYSTEM MANUFACTURER'S INSTRUCTIONS.
- K. JOINT SEALERS: APPLY IN ACCORDANCE WITH REQUIREMENTS OF SEALANT MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH REQUIREMENTS SPECIFIED IN SECTION 07 90 00 - JOINT SEALANTS.
1. PROVIDE SEALANT FOR JOINTS WITHIN SYSTEM AND AT PERIMETERS OF SYSTEM.
- L. SITE TOLERANCES:
1. INSTALLED JOINTS: MAXIMUM PLUS 1/64" VARIANCE PER FOOT; MAXIMUM PLUS 3/16" VARIANCE PER 12'-0", NONCUMULATIVE; MAXIMUM JOINT WIDTH 5/16" OR 3/16" LESS THAN WIDTH SHOWN ON DRAWINGS, WHICHEVER IS GREATER.
 2. MAXIMUM VARIATION IN PLANE: PLUS OR MINUS 1/8".
 3. MAXIMUM JOG IN JOINT ALIGNMENT: 1/8".
 4. MAXIMUM STEP IN FACE: 1/8".
 5. LINEAR TOLERANCES ARE NONCUMULATIVE.
 - 3.4 SITE QUALITY CONTROL

- A. MANUFACTURER'S FIELD SERVICES: MANUFACTURER'S REPRESENTATIVE SHALL INSPECT WORK OF PROJECT ON REGULAR BASIS AND PROVIDE CERTIFICATION EXTERIOR FINISH SYSTEM HAS BEEN INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

- 3.5 CLEANING
- A. IMMEDIATELY CLEAN ADJACENT MATERIALS OF EXTERIOR FINISH MATERIALS AS WORK PROGRESSES.

END OF SECTION 07 24 00

NEW STORE



GAP INC.
STORE DEVELOPMENT
2 FOLSOM 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 300
OVERLAND PARK, KS 66204

www.brrarch.com

TEL: 913-262-9025
FAX: 913-262-9044

CONSULTANT INFO:

PROFESSIONAL STAMP:

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