SECTION 01340 - SUBMITTALS

1. GENERAL PROVISIONS:
   A. PROVISIONS IN THIS SECTION ARE MANDATORY PROCEDURES FOR PREPARING AND SUBMITTING SAMPLES, SHOP DRAWINGS AND PRODUCT DATA.
   B. SUBMITTALS WILL BE IN ORDERLY SEQUENCE AND TIMED TO CAUSE NO DELAY IN THE WORK.
   C. JOB DELAYS OCCASIONED BY REQUIREMENT OF RESUBMISSION OF SAMPLES, SHOP DRAWINGS AND PRODUCT DATA NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS ARE CONTRACTOR'S RESPONSIBILITY AND WILL NOT BE CONSIDERED VALID JUSTIFICATION FOR EXTENSION OF CONTRACT TIME.
   D. COMMENCE NO PORTION OF WORK REQUIRING SUBMITTALS UNTIL SUBMITTAL HAS BEEN APPROVED.
2. SAMPLE PREPARATION:
   A. PREPARE SAMPLES IN SIZES, SHAPES AND FINISHES IN ACCORDANCE WITH PROVISIONS OF INDIVIDUAL SPECIFICATION SECTIONS.
   B. SAMPLES SUBMITTED FOR COLOR, SHEEN OR TEXTURE SELECTION FOR APPROVAL SHALL BE ACTUAL SAMPLES OF THE REQUIRED MATERIAL. WHERE A RANGE OF COLOR, SHEEN OR TEXTURE IS ANTICIPATED OR PROPOSED, SAMPLES SHALL INDICATE FULL RANGE PROPOSED, FROM WHICH DESIGNER MAY SELECT THE EXACT RANGE TO BE PROVIDED.
   C. THE NUMBER OF SAMPLES SUBMITTED SHALL BE THE NUMBER REQUIRED BY CONTRACTOR, PLUS ONE WHICH WILL BE RETAINED BY DESIGNER, UNLESS OTHERWISE INDICATED.
   D. ATTACH A TAG TO EACH SAMPLE, SIZED TO ACCEPT CONTRACTOR'S AND DESIGNER'S STAMPS. SAMPLES SUBMITTED TO DESIGNER SHALL HAVE TAG STAMPED WITH CONTRACTOR'S STAMP AND APPROPRIATE ACTION SHALL BE INDICATED THEREON.
   E. SIZE OF THE DESIGNER'S STAMP IS 3"X5".
3. SHOP DRAWING PREPARATION:
   A. FORM: SUBMIT ONE COPY (PDF FORMAT OR PAPER) OF EACH SHOP DRAWING.
   B. SUBMIT ALL RELATED SHOP DRAWING ITEMS TOGETHER. (FOR EXAMPLE, DOORS, FRAMES, HARDWARE AND SPECIFIED SAMPLES ARE TO BE WITHIN THE SAME SUBMITTAL.)
4. CONTRACTOR'S REVIEW:
   A. REVIEW, STAMP WITH APPROVAL AND SUBMIT TO THE DESIGNER SUBMITTALS REQUIRED BY THE CONTRACT DOCUMENTS WITH REASONABLE PROMPTNESS AND IN SUCH SEQUENCE AS TO CAUSE NO DELAY IN THE WORK OR IN THE ACTIVITIES OF THE OWNER OR OF SEPARATE CONTRACTORS.
   B. BY APPROVING AND SUBMITTING SUBMITTALS, THE CONTRACTOR REPRESENTS THAT HE HAS DETERMINED AND VERIFIED MATERIALS, FIELD MEASUREMENTS, AND RELATED FIELD CONSTRUCTION CRITERIA, AND HAS CHECKED AND COORDINATED THE INFORMATION CONTAINED WITHIN SUCH SUBMITTAL WITH THE REQUIREMENTS OF THE WORK AND OF THE CONTRACT DOCUMENTS.
   C. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE DESIGNER'S APPROVAL THEREOF.
   D. THE PURPOSE OF SUBMITTALS BY CONTRACTOR IS TO DEMONSTRATE HIS UNDERSTANDING OF THE PROJECT BY INDICATING WHICH EQUIPMENT AND MATERIAL HE INTENDS TO FURNISH AND INSTALL AND BY DETAILING FABRICATION AND INSTALLATION METHODS HE INTENDS TO USE.
5. DESIGNER'S REVIEW AND APPROVAL:
   A. THE DESIGNER WILL REVIEW EACH SUBMITTAL, MARK IT WITH APPROPRIATE ACTION, AND RETURN IT TO CONTRACTOR WITH REASONABLE PROMPTNESS. SUBMITTALS WILL BE MARKED BY DESIGNER AS FOLLOWS:
      1. "NO EXCEPTIONS" INDICATES THE DRAWINGS HAVE BEEN REVIEWED FOR CONFORMANCE WITH DESIGN AND NO EXCEPTIONS ARE TAKEN. PROCEED WITH THE WORK.
      2. "EXCEPTIONS AS NOTED" INDICATES CONTRACTOR MAY PROCEED WITH THE WORK AS NOTED.
      3. "RESUBMIT" OR INDICATES DRAWING TO BE REVISED AND RESUBMITTED FOR REVIEW PRIOR TO PROCEEDING WITH THE WORK OR THAT SUBMITTAL DOES NOT COMPLY WITH CONTRACT DOCUMENTS.
   B. THE DESIGNER'S REVIEW AND APPROVAL IS ONLY FOR CHECKING FOR CONFORMANCE WITH INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS.
   C. THE DESIGNER WILL RETURN ONE COPY OF REVIEWED SHOP DRAWINGS FOR PRINTING AND DISTRIBUTION BY CONTRACTOR.
   D. MAKE CORRECTIONS AND CHANGES INDICATED FOR UNAPPROVED SUBMITTALS, AND RESUBMIT IN SAME MANNER AS SPECIFIED ABOVE UNTIL DESIGNER'S APPROVAL IS OBTAINED.

SECTION 01630 - PRODUCT OPTIONS AND SUBSTITUTIONS

1. PRODUCT OPTIONS AND SUBSTITUTIONS:
   A. IF IT IS DESIRED TO USE PRODUCTS DIFFERENT FROM THOSE INDICATED IN THE CONTRACT DOCUMENTS, THE PARTY REQUESTING THE SUBSTITUTION SHALL MAKE WRITTEN APPLICATION. THE BURDEN OF PROVING EQUIVALENCY OF PROPOSED SUBSTITUTIONS RESTS WITH THE CONTRACTOR.
      1. REQUESTS FOR SUBSTITUTION WILL BE CONSIDERED BY DESIGNER IN ACCORDANCE WITH THE FOLLOWING:
         A. REQUESTS WILL BE CONSIDERED FROM CONTRACTOR ONLY, FOLLOWING CONTRACT AWARD.
         B. CONTRACT SUM SHALL BE BASED ONLY ON PRODUCTS AND SYSTEMS SPECIFIED IN THE CONTRACT DOCUMENTS.
         C. REQUESTS FOR SUBSTITUTION SHALL BE MADE IN A TIMELY MANNER SUCH THAT PROGRESS OF THE WORK WILL NOT BE ADVERSELY AFFECTED IF SUBSTITUTION IS UNACCEPTABLE.
         D. SUBSTITUTION REQUESTS SHALL PRECEDE AND SHALL NOT BE MADE AS A PART OF SHOP DRAWINGS OR PRODUCT DATA SUBMITTALS.
      2. REQUESTS FOR SUBSTITUTION SHALL BE ACCOMPANIED BY SUCH TECHNICAL DATA AND SAMPLES AS THE PARTY MAKING THE REQUEST DESIRES TO SUBMIT AND SHALL INDICATE IN WHAT RESPECTS PROPOSED MATERIALS OR PRODUCTS DIFFER FROM THOSE SPECIFIED AND THE EFFECT ON INTERFACING OR RELATED WORK.
      3. REQUESTS FOR SUBSTITUTION SHALL BE ACCOMPANIED BY COMPLETE COST DATA INDICATING MATERIAL COST, INSTALLED COST AND SAVINGS, IF ANY, RESULTING FROM PROPOSED SUBSTITUTION.
      4. DETERMINATION AS TO ACCEPTABILITY OF PROPOSED SUBSTITUTIONS WILL BE MADE BASED ONLY ON DATA SUBMITTED.
      5. CONTRACTOR SHALL COORDINATE INSTALLATION OF ACCEPTED SUBSTITUTIONS WITH INTERFACING WORK, BEARING RE-DESIGN COSTS AND MAKING APPROVED CHANGES IN THE WORK TO PROPERLY INCORPORATE THE SUBSTITUTIONS, AND SHALL WAIVE ALL CLAIMS FOR ADDITIONAL COSTS RELATED TO USE OF ACCEPTABLE SUBSTITUTIONS WHICH BECOME APPARENT FOLLOWING ACCEPTANCE.
         A. IN THE EVENT THAT SPECIFIED ITEMS CANNOT BE DELIVERED TO THE JOB SITE AND INCORPORATED INTO THE WORK AT SUCH TIMES AND IN SUCH QUANTITIES AS TO CAUSE NO DELAY, THEN CONTRACTOR MAY REQUEST A SUBSTITUTION IN THE MANNER DESCRIBED ABOVE. SHOULD THE ACCEPTED SUBSTITUTION PROVIDE A COST SAVINGS, THE CONTRACT PRICE WILL BE ADJUSTED BY CHANGE ORDER, WITH OWNER RECEIVING THE BENEFIT OF THE NET SAVINGS. NO INCREASE IN THE CONTRACT PRICE WILL BE ALLOWED ON SUBSTITUTIONS MADE AFTER THE AWARD OF CONTRACT, EXCEPT WHERE THE CONTRACTOR CAN VERIFY A TIMELY PLACEMENT OF ORDERS APPROPRIATE TO THE MATERIALS AND CONDITIONS INVOLVED.
         B. INABILITY TO OBTAIN SPECIFIED ITEMS DUE TO CONTRACTOR'S FAILURE TO PLACE TIMELY ORDERS WILL NOT BE CONSIDERED REASON FOR AUTHORIZING SUBSTITUTIONS.

SECTION 02070 - SELECTIVE DEMOLITION

1. DELIVERY, STORAGE AND HANDLING:
   A. STORE MATERIALS TO BE RETAINED OR REUSED IN LOCATIONS ACCEPTABLE TO OWNER.
   B. MAINTAIN NEAT, CLEAN CONDITIONS IN STORAGE AREAS; REMOVE RAGS AND WASTE MATERIALS AT END OF EACH DAY'S WORK.
2. JOB CONDITIONS:
   A. THE OWNER ASSUMES NO RESPONSIBILITY FOR THE ACTUAL CONDITION OF ASSEMBLIES TO BE DEMOLISHED. CONDITIONS EXISTING AT THE TIME OF INSPECTION FOR PRICING PURPOSES WILL BE MAINTAINED BY THE OWNER IN SO FAR AS PRACTICABLE.
   B. CONDUCT DEMOLITION OPERATIONS TO MINIMIZE DISRUPTION OR INTERFERENCE WITH BUILDING OCCUPANTS AND OPERATION AND THE USE OF BUILDING FACILITIES NOT INCLUDED IN THE WORK. COORDINATE PHASING OF WORK WITH THE OWNER'S REPRESENTATIVE.
   C. PROTECT PORTIONS OF EXISTING BUILDING INDICATED TO REMAIN. REPAIR OR REPLACE PORTIONS OF BUILDING DAMAGED BY THIS WORK, AT NO ADDITIONAL COST.
   D. MAINTAIN BUILDING SECURITY. EQUIP DOORS WITH LOCKS. SECURE CONSTRUCTION AREA DURING NON-WORKING HOURS.
3. PROTECTIVE COVERS:
   A. DUST PROTECTIVE COVERINGS.
      1. NON-ASPHALTIC, NON-WAXED, NON-STAINING KRAFT PAPER.
      2. POLYETHYLENE SHEETING, SIX MIL THICKNESS.
      3. TAPE FOR SEALING JOINTS IN KRAFT PAPER OR POLYETHYLENE SHEETING.
   B. PROTECTIVE COVERING FOR FLOORS:
      1. NON-ASPHALTIC, NON-WAXED, NON-STAINING, REINFORCED KRAFT PAPER.
      2. MINIMUM 3/8" THICKNESS PLYWOOD OR COMPOSITION BOARD FOR WALKWAYS.
   C. BARRICADE AND CORNER GUARD MATERIAL:
      1. UTILITY GRADE LUMBER AND PLYWOOD.
      2. PRE-FORMED 60" LG. CARDBOARD CORNER GUARDS.
4. REMOVED MATERIAL:
   A. THE FOLLOWING ITEMS MAY NEED TO BE REMOVED, CLEANED, REFURBISHED, TEMPORARILY STORED IF NECESSARY, AND REUSED IN THE WORK:
      1. DOORS AND FRAMES AS INDICATED, INCLUDING HARDWARE.
      2. FIRE EXTINGUISHERS AND CABINETS.
      3. LIGHT FIXTURES.
      4. ACOUSTICAL CEILING SYSTEM.
5. PREPARATION:
   A. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRO. PROTECTION. DO NOT USE WATER IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS.
6. DEMOLITION:
   A. INTERIOR DEMOLITION: REMOVE INTERIOR CONSTRUCTION AND FINISHES AS REQUIRED FOR NEW CONSTRUCTION AND TO LIMITS INDICATED ON DRAWINGS.
   B. DURING DEMOLITION, PROTECT ADJOINING WORK FROM DAMAGE. OBSERVE AND MONITOR ADJACENT STRUCTURAL ELEMENTS. STOP WORK AND NOTIFY DESIGNER FOR INSTRUCTIONS IF CHANGES ARE NOTED. CRACKS OR STRUCTURAL DAMAGE RESULTING FROM DEMOLITION SHALL BE REPAIRED AT NO EXPENSE TO OWNER AND TO DESIGNER'S SATISFACTION.
   C. REMOVE EXISTING FINISHES TO LIMITS INDICATED WITHOUT DAMAGE TO SUBSTRATE OR ADJACENT SURFACES.
   D. WHERE WORK IS TO BE CUT OR REMOVED TO ACCOMMODATE NEW WORK, FORM NEAT, UNIFORM AND SMOOTH EDGES OR TERMINATIONS.
   E. PREPARE AN ITEMIZED LIST OF MATERIAL OR EQUIPMENT FOR REUSE OR STORAGE. LIST QUANTITIES, CONDITION AND LOCATION. SUBMIT COPIES TO OWNER'S REPRESENTATIVE WITHIN SEVEN DAYS OF REMOVAL OF ITEM.
   F. REMOVAL OF MECHANICAL AND ELECTRICAL WORK SHALL BE RECOMMENDED BY THE PROJECT ENGINEERS.
7. DISPOSAL OF DEMOLISHED MATERIALS:
   A. REMOVE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS FROM THE SITE. DO NOT STOCKPILE ON OR IN PROJECT SITE.
   B. THE FOLLOWING ITEMS SHALL BE RECYCLED AND/OR SALVAGED AFTER DEMOLITION AS PART OF A CONSTRUCTION WASTE MANAGEMENT PLAN:
      1. CARPET
      2. METAL
      3. GLASS
      4. GYPSUM WALLBOARD
   C. THE GENERAL CONTRACTOR SHALL EDUCATE ALL WORKERS AND SUBCONTRACTORS OF THE INTENT TO DIVERT WASTE FROM ANDFILLS AND MONITOR THEIR COMPLIANCE.
8. INTERIOR CLEANING AND RESTORATION:
   A. CLEAN REMAINING EXPOSED SURFACES BY VACUUM, WASHING WITH DETERGENT AND WATER, AND WIPING WITH CLEAN RAGS.
   B. REMOVE/PROTECT/BAG PERIMETER WINDOW BLINDS. ADJUST OPERATING MECHANISMS FOR PROPER OPERATION. CLEAN BLINDS AT THE END OF CONSTRUCTION.
9. REPAIR WORK:
   A. REPAIR DENTS, CRACKS, SCRATCHES AND HOLES IN EXISTING FINISHES TO REMAIN AS PART OF THE FINISHED WORK.
   B. REPAIR WOOD DOORS, FINISH CARPENTRY AND MILLWORK USING PUTTY, AND STAIN MATCHING COLOR OF EXISTING WORK WHERE INDICATED FOR REUSE.

SECTION 06110 - ROUGH CARPENTRY

1. TREATED WOOD PRODUCTS:
   A. ALL BLOCKING SHALL BE FIRE-RETARDANT-TREATED WOOD. PRESSURE-IMPREGNATED WITH A CHEMICAL RETARDANT TESTED AND LISTED BY UNDERWRITERS LABORATORIES, INC., (UL) TO PROVIDE A MINIMUM FLAME SPREAD WHEN TESTED IN ACCORDANCE WITH ASTM 384-91A.
   B. INSTALL IN CONTINUOUS HORIZONTAL ROW IN MIDDLE THIRD OF STUD HEIGHT. COORDINATE BLOCKING WITH LOCATIONS OF FINISHING MATERIAL, MILLWORK, FIXTURES, SPECIALTY ITEMS AND TRIM.
   C. ANY COMPOSITE WOOD PRODUCT MUST CONTAIN NO ADDED UREA FORMALDEHIDE

SECTION 06400 - ARCHITECTURAL WOODWORK

1. SUBMITTALS:
   A. SHOP DRAWINGS: SUBMIT FOR ALL MILLWORK. INDICATE CONSTRUCTION AND INSTALLATION DETAILS, SPECIES AND GRADES OF MATERIALS, FINISHES, PLASTIC LAMINATE OR WOOD VENEER SELECTIONS AND CABINET HARDWARE SELECTIONS.
   B. SAMPLES; SUBMIT AS FOLLOWS:
      1. PLASTIC LAMINATE: SUBMIT TWO SAMPLES OF EACH LAMINATE SPECIFIED.
      2. FINISH SAMPLES: SUBMIT TWO SAMPLES OF EACH TYPE OF SELECTED FINISH ON SAMPLES OF SPECIES AND GRADE MATERIAL SPECIFIED.
2. MATERIALS:
   A. GENERAL: PROVIDE MATERIALS THAT COMPLY WITH LISTINGS BELOW:
      1. HARDBOARD: ANSI/AHA A135.4; NO ADDED UREA FORMALDEHYDE (NAUF)
      2. HIGH PRESSURE LAMINATE: NEMA LD 3
      3. VENEER SPECIES AS INDICATED, GRADE III AWI QUALITY GRADE PREMIUM.
      4. MEDIUM DENSITY FIBERBOARD: ANSI A208.2; NO ADDED UREA FORMALDEHYDE
      5. SOFTWOOD PLYWOOD: PS 1
      6. FORMALDEHYDE EMISSION LEVELS: COMPLY WITH THE USGBC FORMALDEHYDE EMISSION REQUIREMENTS FOR REDUCED VOC EMISSION WITHIN WORKPLACE ENVIRONMENTS.
3. FABRICATION:
   A. COMPLETE FABRICATION, INCLUDING ASSEMBLY, FINISHING, HARDWARE APPLICATION, BEFORE SHIPMENT TO PROJECT SITE TO MAXIMUM EXTENT POSSIBLE. DISASSEMBLE COMPONENTS ONLY AS NECESSARY FOR SHIPMENT AND INSTALLATION. WHERE NECESSARY FOR FITTING AT SITE, PROVIDE AMPLE ALLOWANCE FOR SCRIBING, TRIMMING, AND FITTING.
   B. FACTORY-CUT OPENINGS, TO MAXIMUM EXTENT POSSIBLE, TO RECEIVE HARDWARE, APPLIANCES, PLUMBING FIXTURES, ELECTRICAL WORK AND SIMILAR ITEMS. LOCATE OPENINGS ACCURATELY AND USE TEMPLATES OR ROUGHING-IN DIAGRAMS TO PRODUCE ACCURATELY SIZED AND SHAPED OPENINGS. SMOOTH EDGES OF CUTOUTS AND WHERE LOCATED IN COUNTERTOPS AND SIMILAR EXPOSURES, SEAL EDGES OF CUTOUTS WITH A WATER-RESISTANT COATING.
   C. ADHENSIVES USED FOR FABRICATION MUST MEET THE VOC LIMITS STATED BY SOUTH COAST RULE #1168.
4. AWI STANDARDS:
   A. QUALITY STANDARD: COMPLY WITH AWI SECTION 400
   B. 1. GRADE: CUSTOM FOR PLASTIC LAMINATE CABINETS.
      2. GRADE: PREMIUM FOR SHOP FINISHED WOOD VENEER CABINETS AND PANELS.
   C. LAMINATE CLADDING: HIGH PRESSURE DECORATIVE LAMINATE COMPLYING WITH THE FOLLOWING REQUIREMENTS:
      1. COLORS, PATTERNS AND FINISHES: PROVIDE MATERIALS AND PRODUCTS THAT COMPLY WITH THE FINISH SCHEDULE.
      2. LAMINATE GRADE FOR EXPOSED SURFACES: PROVIDE LAMINATE CLADDING COMPLYING WITH THE FOLLOWING REQUIREMENTS FOR TYPE OF SURFACE AND GRADE.
         A. HORIZONTAL SURFACES OTHER THAN TOPS: GP-50 (0.50-INCH NOMINAL THICKNESS).
         B. VERTICAL SURFACES: GP-50 (0.050-INCH NOMINAL THICKNESS).
         C. EDGES: GP-50 (0.050-INCH NOMINAL THICKNESS).
5. INSTALLATION:
   A. QUALITY STANDARD: INSTALL WOODWORK TO COMPLY WITH AWI SECTIONS 400, 1500 AND 1700 FOR SAME GRADE SPECIFIED IN PART 2 OF THIS SECTION FOR TYPE OF WOODWORK INVOLVED.
   B. INSTALL WOODWORK PLUMB, LEVEL, TRUE, AND STRAIGHT WITH NO DISTORTIONS. SHIM AS REQUIRED WITH CONCEALED SHIMS. INSTALL TO A TOLERANCE OF 1/8" IN 8'-0" FOR PLUMB AND LEVEL (INCLUDING TOPS) AND WITH NO VARIATIONS IN FLUSHNESS OF ADJOINING SURFACES.
   C. CABINETS: INSTALL WITHOUT DISTORTION SO THAT DOORS AND DRAWERS FIT OPENINGS PROPERLY AND ARE ACCURATELY ALIGNED. ADJUST HARDWARE TO CENTER DOORS AND DRAWERS IN OPENINGS AND TO PROVIDE UNENCUMBERED OPERATION AND UNIFORM APPEARANCE. COMPLETE THE INSTALLATION OF HARDWARE AND ACCESSORY ITEMS AS INDICATED. CLEAN WOODWORK ON EXPOSED AND SEMI-EXPOSED SURFACES. TOUCH UP FACTORY-APPLIED FINISHES TO RESTORE DAMAGED OR SOILED AREAS.

SECTION 07250 - FIRESTOPPING

1. PROVIDE FIRESTOPPING AS REQUIRED BY APPLICABLE CODE.

SECTION 08100 - METAL DOORS AND FRAMES

1. FRAME INSTALLATION:
   A. INSTALL HOLLOW METAL FRAMES IN ACCORDANCE WITH ANSI/SDI-119-83. CLEARANCE BETWEEN FRAME AND INTERFACING WALL SURFACES SHALL BE 1/16" MAXIMUM.
   B. WELDED FRAMES:
      1. SET WELDED FRAMES IN POSITION PRIOR TO BEGINNING PARTITION WORK. BRACE FRAMES UNTIL PERMANENT ANCHORS ARE SET.
      2. SET ANCHORS FOR FRAMES AS WORK PROGRESSES. INSTALL ANCHORS AT HINGE AND STRIKE LEVELS.
      3. REMOVE TEMPORARY BRACES AND SPREADERS AFTER WALL CONSTRUCTION IS COMPLETE.
      4. INSTALL WELDED FRAMES IN PREPARED OPENINGS IN CONCRETE AND MASONRY WALLS USING COUNTERSUNK BOLTS AND EXPANSION SHIELDS.
      5. WELD FIELD SPLICES IN BORROWED LITE FRAMES AND GRIND SMOOTH.
   C. DRYWALL (KD) FRAMES: SECURE USING ADJUSTABLE JAMB AND BASE ANCHORS. COMPLETE INSTALLATION SHALL HAVE TIGHT-FITTING JOINTS, WITHOUT GAPS OR OFFSETS.
2. DOOR INSTALLATION:
   A. INSTALL HOLLOW METAL DOORS IN FRAMES IN ACCORDANCE WITH SDI-100-85 AND ANSI A151.1-87, USING HARDWARE INDICATED.
   B. EDGE CLEARANCES AT DOORS:
      1. BETWEEN DOOR AND FRAME, AT HEAD AND JAMBS: 1/8".
      2. AT MEETING EDGES OF PAIRS OF DOORS AND AT MULLIONS: 1/8".
      3. AT TRANSOM PANELS, WITHOUT TRANSOM BARS: 1/8".
      4. AT SILLS WITHOUT THRESHOLDS: 3/8" MAXIMUM ABOVE FINISH FLOOR.
      5. AT SILLS WITH THRESHOLDS: 3/8" MAXIMUM ABOVE TOP OF THRESHOLD.
   C. FIRE-RATED DOORS: INSTALL IN ACCORDANCE WITH REQUIREMENTS OF NFPA #80.

SECTION 08210 - WOOD DOORS

1. QUALITY ASSURANCE:
   A. ALLOWABLE FABRICATION TOLERANCES:
      1. OVERALL DIMENSION: + OR - 1/16".
      2. WIDTH: + OR - 1/32".
      3. MAXIMUM WARP, BOW, CUP OR TWIST: 1/4".
      4. SQUARENESS: MAXIMUM 1/8" DIFFERENCE IN DIAGONAL MEASUREMENT.
      5. HARDWARE LOCATIONS: -0", + 1/32".
   B. ALLOWABLE ERECTION TOLERANCES:
      1. VARIATION FROM SPECIFIED CLEARANCES: + 1/32", -0.
      2. MAXIMUM VARIATION IN EDGE ALIGNMENT, PAIR OF DOORS:1/16".
   C. ALLOWABLE COLOR AND GRAIN VARIATION: DOORS FOR NATURAL FINISH SHALL BE SELECTED FOR UNIFORMITY IN COLOR AND GRAIN. JOINTS IN FACE VENEERS SHALL BE INCONSPICUOUS. ADJACENT DOORS AND DOORS VIEWED TOGETHER SHALL HAVE SIMILAR COLOR AND GRAIN.
   D. APPLICABLE STANDARDS:
      1. BETWEEN DOOR AND FRAME, AT HEAD AND JAMBS: 1/8".
         A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
         B. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
      2. ARCHITECTURAL WOODWORK INSTITUTE (AWI)/ARCHITECTURAL WOODWORK MANUFACTURES ASSOCIATION OF CANADA (AWMAC) QUALITY STANDARDS, EIGHTH EDITION, 2003, HEREIN REFERRED TO AS AWI/AWMAC STANDARDS.
   E. LABELS:
      1. ON TOP OR BOTTOM RAIL, PROVIDE EACH DOOR WITH A LABEL WHICH IDENTIFIES MANUFACTURER, TRADE ASSOCIATION OF WHICH IT IS A MEMBER, GRADE AND TYPE OF DOOR AND INDUSTRY STANDARD WITH WHICH IT COMPLIES.
      2. FIRE-RATED DOORS:
         A. FIRE-RATED DOORS SHALL BEAR LABEL ATTESTING AND APPROVAL BY INDEPENDENT TESTING AGENCY, HAVING BEEN TESTED IN ACCORDANCE WITH NFPA 252-1995 AND ASTM E152-81A FOR RATINGS INDICATED. PERMANENTLY ATTACH LABEL TO HINGE STILE OF EACH FIRE-RATED DOOR.
   F. FACTORY FINISH: 2003 AWI/AWMAC STANDARDS, SECTION 1500, CUSTOM GRADE, CONVERSION VARNISH OR PRE-CATALYZED LAQUER, LOW VOC, UREA FORMALDEHYDE FREE, PARTIAL FILLED FINISH, COLOR AND SHEEN SELECTED BY ARCHITECT.
2. INSTALLATION:
   A. PREPARATION: VERIFY THAT FRAMED OPENINGS ARE PROPERLY INSTALLED WITHIN SPECIFIED TOLERANCES. DO NOT INSTALL DOORS IN FRAMES WHICH ARE NOT INSTALLED WITHIN SIZE AND PLUMBNESS TOLERANCES.
   B. INSTALLATION:
      1. INSTALL DOORS USING SCHEDULED HARDWARE. INSTALL USING THREADED-TO- THE-HEAD SCREWS FURNISHED BY HARDWARE MANUFACTURER.
      2. DRILL PILOT HOLES FOR ALL SCREWS.
      3. SECURELY ANCHOR HARDWARE IN CORRECT POSITION AND ALIGNMENT.
      4. ADJUST HARDWARE AND DOOR FOR PROPER FUNCTION AND FOR SMOOTH, FREE OPERATION, LATCHING WITHOUT FORCE OR EXCESS CLEARANCE, WITHIN SPECIFIED CLEARANCES AND TOLERANCES.
   C. FIRE-RATED DOORS: INSTALL IN ACCORDANCE WITH UL REQUIREMENTS AND NFPA NO. 80 & NO. 105.
   D. REPLACE DOORS WITH DEFECTS IN MATERIAL, FINISH, FIT OR MACHINING.

SECTION 08700 - FINISH HARDWARE

1. SUBMITTALS:
   A. HARDWARE SCHEDULE: SUBMIT IN VERTICAL FORMAT. INDICATE MANUFACTURER'S NAME, PRODUCT DESCRIPTION, FINISH AND LOCATION OF EACH ITEM AND COMPLETE KEYING SCHEDULE. INCLUDE MANUFACTURER'S CUT SHEETS FOR EACH HARDWARE ITEM.
2. QUALITY ASSURANCE:
   A. APPLICABLE STANDARDS; STANDARDS OF THE FOLLOWING, AS REFERENCED HEREIN:
      1. DOOR AND HARDWARE INSTITUTE (DHI).
      2. FACTORY MUTUAL (FM).
      3. UNDERWRITERS LABORATORIES, INC., (UL).
   B. PROVIDE HARDWARE FOR FIRE-RATED OPENINGS IN COMPLIANCE WITH CURRENT CODE REQUIREMENTS. EXIT HARDWARE FOR FIRE-RATED OPENINGS SHALL BEAR UL MARKINGS.
3. INSTALLATION:
   A. INSTALL FINISH HARDWARE PLUMB, LEVEL AND TRUE TO LINE, IN ACCORDANCE WITH MANUFACTURER'S PRODUCT DATA. LOCATIONS OF HARDWARE, WHERE APPLICABLE, SHALL BE IN ACCORDANCE WITH DHI-1975 'RECOMMENDED LOCATIONS FOR BUILDERS' HARDWARE FOR STANDARD STEEL DOORS AND FRAMES.
   B. INSTALL FINISH HARDWARE TO TEMPLATE. CUT AND FIT SUBSTRATE TO AVOID SUBSTRATE DAMAGE AND WEAKENING. COVER CUT-OUTS WITH HARDWARE ITEM. MORTISE WORK TO CORRECT LOCATION AND SIZE WITHOUT GOUGING, SPLINTERING OR CAUSING IRREGULARITIES IN EXPOSED FINISHED WORK.
   C. WHERE CUTTING AND FITTING IS REQUIRED ON SUBSTRATES TO BE PAINTED, INSTALL, FIT AND ADJUST HARDWARE PRIOR TO FINISHING, THEN REMOVE AND PLACE IN ORIGINAL PACKAGING. REINSTALL HARDWARE AFTER FINISHING OPERATION IS COMPLETED.
4. CLEANING AND ADJUSTMENT:
   A. PRIOR TO DATE OF SUBSTANTIAL COMPLETION, ADJUST AND LUBRICATE HARDWARE. REPAIR OR REPLACE DEFECTIVE MATERIALS. CLEAN HARDWARE AS RECOMMENDED BY MANUFACTURER TO REMOVE DUST AND STAINS.
   B. INSTRUCT OWNER'S DESIGNATED PERSONNEL IN ADJUSTMENT AND MAINTENANCE OF HARDWARE AND FINISHES AT THE TIME OF FINAL HARDWARE ADJUSTMENT.

SECTION 08800 - GLASS AND GLAZING

1. SUBMITTALS:
   A. SAMPLES: SUBMIT MINIMUM 1'-0" BY 1'-0" SAMPLES OF EACH TYPE GLAZING MATERIAL PROPOSED FOR USE, IF REQUESTED BY DESIGNER.
2. GLAZING MATERIALS:
   A. CLEAR FLOAT GLASS COMPLYING WITH ASTM C1036-90, GLAZING SELECT QUALITY.
   B. TEMPERED, CLEAR FLOAT GLASS: FULLY TEMPERED, COMPLYING WITH ASTM C1048-90 AND CHAPTER 24 OF THE 2006 INTERNATIONAL BUILDING CODE. GLASS FOR BUTT-JOINT GLAZING SHALL BE FREE OF TONG MARKS AND SURFACE DEFECTS ON EXPOSED EDGES.
   C. TRANSPARENT MIRRORS: 1/4" THICKNESS, LAMINATED FLOAT GLASS HAVING CHROME ALLOY DEPOSITED ON ONE SIDE.
3. GLAZING ACCESSORIES:
   A. SETTING BLOCKS: NEOPRENE, 70-90 SHORE A DUROMETER HARDNESS, MEETING ASTM C864-90.
   B. EDGE BLOCKS: NEOPRENE, 60-70 SHORE A DUROMETER HARDNESS, MEETING ASTM C864-90.
   C. SPACERS: NEOPRENE, 40-50 SHORE A DUROMETER HARDNESS, MEETING ASTM C864-90.
   D. GLAZING SEALANT:
      1. ACCEPTABLE PRODUCTS:
         A. DOW CORNING CORP. #795 SILICONE BUILDING SEALANT.
         B. TREMCO, INC., SPECTRUM II.
      2. CHARACTERISTICS: ONE-PART SILICONE RUBBER; COLORS AS SELECTED BY DESIGNER FROM MANUFACTURER'S STANDARD SELECTION.
      3. PROVIDE PRIMERS AS REQUIRED BY ADHESION TESTING, BACKER ROD AND ACCESSORIES ACCEPTABLE TO SEALANT MANUFACTURER.
   E. POLYVINYL CHLORIDE FOAM TAPE: CLOSED CELL SELF-ADHESIVE TAPE MEETING ASTM D1667-76 (1990). OR INTERIOR HOLLOW METAL GLAZING: MANUFACTURER'S STANDARD RESILIENT GLAZING BEADS.
   F. FIRE-RATED GLASS GLAZING COMPOUND:
      1. ACCEPTABLE PRODUCT: METALINES, INC., METACAULK 990.
      2. TYPE: ONE COMPONENT NONCOMBUSTIBLE INORGANIC FIRE-RATED SEALANT, UL CLASSIFIED GLAZING MATERIAL.
4. GLAZING PROCEDURES:
   A. INSTALL GLAZING MATERIALS IN ACCORDANCE WITH MANUFACTURER'S PRODUCT DATA AND APPLICABLE STANDARDS, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SPECIFIED.
   B. INSTALL SETTING BLOCKS FOR ALL GLAZING MATERIALS OVER SIX SQ. FT. IN AREA. INSTALL AT SILL RABBET AT QUARTER POINTS. SIZE SETTING BLOCKS IN PROPORTION TO GLASS WEIGHT; MINIMUM 4" LENGTH.
   C. SHIM ALL LIGHTS OVER 100 UNITED INCHES, INBOARD AND OUTBOARD, ON ALL SIDES USING CONTINUOUS SHIMS, EXCEPT WHERE GASKETS ACCOMPLISH SHIMMING.
   D. INTERIOR CHANNEL GLAZING: GLAZE USING POLYVINYL CHLORIDE TAPE APPLIED TO BOTH SIDES, ALL STOPS. PLACE TAPE, WITH BUTTED JOINTS. COMPRESS TAPE APPROXIMATELY 30%. CENTER GLAZING MATERIAL IN RABBET.
   E. VERTICAL BUTT GLAZING: GLAZE VERTICAL 1/4" MAX BUTT JOINT CONDITIONS USING CLEAR SILICONE SEALANT. COMPLY WITH GLAZING MATERIAL MANUFACTURER'S PRODUCT DATA.
   F. FIRE-RATED GLASS GLAZING: GLAZE USING SPECIFIED GLAZING COMPOUND IN ACCORDANCE WITH FIRE-RATED GLASS MANUFACTURER'S PRODUCT DATA.
   G. MIRRORS: PROVIDE CONTINUOUS MIRROR CHANNEL ALONG BOTTOM EDGE OF MIRROR. SECURE WITH TOGGLE BOLTS AT 1'-4" O.C., MAXIMUM. INSTALL MIRROR BOTTOM IN CHANNEL, MIRROR BACK USING ADHESIVE IN ACCORDANCE WITH MANUFACTURER'S PRODUCT DATA.

SECTION 09250 - GYPSUM DRYWALL

1. QUALITY ASSURANCE:
   A. PROVIDE FIRE-RESISTANCE-RATED ASSEMBLIES IDENTICAL TO DESIGN DESIGNATIONS IN UL "FIRE RESISTANCE DIRECTORY" OR IN LISTING OF OTHER TESTING AGENCIES ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
2. STEEL FRAMING FOR WALLS AND PARTITIONS:
   A. STEEL STUDS AND RUNNERS: ASTM C 645, WITH FLANGE EDGES OF STUDS BENT BACK 90° AND DOUBLED OVER TO FORM 3/16" MINIMUM LIP (RETURN) AND COMPLYING WITH THE FOLLOWING REQUIREMENTS FOR MINIMUM THICKNESS OF BASE (UNCOATED) METAL AND FOR DEPTH:
      1. THICKNESS: AS INDICATED ON DRAWINGS. (TO MATCH BUILDING STANDARD CONSTRUCTION.)
      2. DEPTH: 11/4"
      3. INSTALL AS PER ASTM C754 & ASTM C840
      4. MAXIMUM STUD SPACING 24 O.C.
3. GYPSUM BOARD:
   A. GENERAL: PROVIDE GYPSUM BOARD OF TYPES INDICATED IN MAXIMUM LENGTHS AVAILABLE TO MINIMIZE END-TO-END JOINTS.
   B. GYPSUM WALLBOARD: ASTM C 36, AND AS FOLLOWS:
      1. TYPE: REGULAR, UNLESS OTHERWISE INDICATED.
      2. TYPE: TYPE X FOR FIRE-RESISTANCE-RATED ASSEMBLIES.
      3. EDGES: TAPERED.
      4. THICKNESS: AS INDICATED ON DRAWINGS.
4. MISCELLANEOUS MATERIALS:
   A. CONCEALED ACOUSTICAL SEALANT: NONDRYING, NONHARDENING, NONSKINNING, NONSTAINING, NONBLEEDING, GUNNABLE SEALANT. ALL SEALANT SHOULD MEET THE SCAQMD RULE #1168 REQUIREMENTS FOR VOC LIMIT OF 250 G/L.
   B. SOUND ATTENUATION BLANKETS: UNFACED, FORMALDEHYDE FREE GLASS/MINERAL FIBER BLANKET INSULATION WITHOUT MEMBRANE FACING.

SECTION 09300 - TILE

1. SUBMITTALS:
   A. SAMPLES: SUBMIT MINIMUM 1'-0"X1'-0" SAMPLE PANEL OF EACH TILE TYPE AND FINISH SELECTED, GROUTED AS SPECIFIED. SUBMIT SAMPLES OF EACH TRIM SHAPE, ACCESSORY AND THRESHOLD REQUIRED.
2. ACCEPTABLE MANUFACTURER: AS SPECIFIED.
3. SETTING MATERIAL & ACCESSORIES:
   A. SHOWER PAN OR MEMBRANE WATERPROOFING
      1. ACCEPTABLE PRODUCT: THE NOBLE COMPANY, CHLORALOY 240.
      2. CHARACTERISTICS: MINIMUM 40 MIL. THICKNESS CHLORINATED POLYETHYLENE SHEET.
      3. PROVIDE MANUFACTURE'S STANDARD SOLVENT'S, ADHESIVE AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION. ALL ADHENSIVES SHOULD MEET THE SCAQMD RULE #1168 REQUIREMENTS FOR VOC LIMIT OF 65G/L.
      4. COMPLY WITH TCA #B414/415-03.
   B. DRY-SET MORTAR: (THINSET APPLICATION)
      1. LATICRETE INTERNATIONAL.
      2. TEC INCORPORATED & H.B. FULLER.
      3. MAPEI COPORATION: KERABOND WITH UNDILUTED KERALASIC ADDITIVE FOR WALLS AN FLOORS.
   C. CHARACTERISTICS: PORTLAND CEMENT AND ADDITIVES MEETING ANSI #A118.1-1985 AND ANSI #A118.4-1985; TCA #F113 FOR FLOOR; TCA #W243-03 FOR WALLS; MIX WITH SPECIFIED LATEX ADDITIVES.
   D. GROUTING MATERIALS:
      1. PORTLAND CEMENT GROUT - SEE DRAWING FOR SPECIFICATION. CHARACTERISTICS: FACTORY-MIXED PORTLAND CEMENT AND ADDITIVES. INCLUDING COLORFAST, MEETING ANSI ANSI A118.6-1988, MIXED WITH ADDITIVE AND COLOR SPECIFIED BY DESINGER FROM MANUFACTURERS STANDARD SELECTION.
4. INSTALLATION:
   A. LAYOUT:
      1. CENTER TILE WITHIN AREAS TO AVOID TILES OF UNEQUAL WIDTH'S AT OPPOSITE WALLS AND TILES OF LESS THAN 1/2 TILE WIDTH.
      2. ALIGN TILE JOINTS STRAIGHT AND PARALLEL TO WALLS.
      3. ALIGN JOINTS IN FLOOR AND BASE OF WALL TILES.
   B. GROUT JOINTS: SET TILES WITH EVEN, MINIMUM WIDTH JOINTS OF 1/8" MAXIMUM.
   C. AFTER INSTALLATION AND SPOT CHECK BY DESIGNER, COVER TILE FLOORS WITH A LAYER OF 1/4" THICK HARDBOARD FOR PROTECTION FROM ADJACENT CONSTRUCTION.

SECTION 09510 - ACOUSTICAL CEILINGS

1. SUSPENSION SYSTEM INSTALLATION:
   A. INSTALL SUSPENSION SYSTEM IN ACCORDANCE WITH APPLICABLE PORTIONS OF ASTM C636-91, EXCEPT FOR MORE STRINGENT REQUIREMENTS FURTHER SPECIFIED.
   B. LEVEL AND SQUARE SUSPENSION SYSTEM COMPONENTS WITHIN SPECIFIED TOLERANCES PRIOR TO BEGINNING CEILING MATERIAL INSTALLATION.
   C. INSTALL CROSS TEES ADJACENT TO LIGHTING FIXTURES AND GRILLES ON EACH SIDE NOT SUPPORTED BY MAIN TEES. SUPPORT NO FIXTURES ON MAIN OR CROSS TEES WHEN FIXTURE WEIGHT RESULTS IN DEAD LOAD EXCEEDING DEFLECTION CAPACITY OF SUSPENSION SYSTEM.
   D. WHERE CUT TEES INTERSECT OTHER TEES OR EDGE MOLDINGS WITHOUT MECHANICAL ATTACHMENT, POP RIVET COMPONENTS AT 8'-0" O.C., MAXIMUM.
   E. INSTALL MAIN TEES ON BOTH SIDES OF PERIMETER SLOT DIFFUSERS, WITH EACH TEE SUPPORTED ON ITS OWN HANGER WIRES. PROVIDE AIR BAR SPACER CLIPS TO MAINTAIN SPACING. HANGER WIRES SHALL NOT BE ATTACHED TO AIR BAR SPACERS.
   F. WALL MOLDINGS:
      1. INSTALL WALL MOLDING AT INTERSECTION OF SUSPENDED CEILING AND VERTICAL SURFACES.
      2. MITER CORNERS WHERE WALL MOLDINGS INTERSECT OR INSTALL CORNER CAPS.
      3. ATTACH TO VERTICAL SURFACES WITH MECHANICAL FASTENERS.
      4. IN ACOUSTICAL UNIT SNUG ON FLANGE OF WALL MOLDING.
   G. WHERE GRID SYSTEM EXISTS IN AN UNRESTRAINED CONDITION, BRACE BACK TO BUILDING STRUCTURE USING HANGER WIRE, MAIN TEE OR CARRYING CHANNEL BRACES SPACED AT 4'-0" O.C., MAXIMUM.
2. ACOUSTICAL UNIT INSTALLATION:
   A. INSTALL ACOUSTICAL UNITS IN LEVEL PLANE, IN STRAIGHT LINE COURSES, WITHIN SPECIFIED TOLERANCES.
   B. PLACE ACOUSTICAL MATERIALS TO BEAR ALL AROUND ON SUSPENSION MEMBERS.
   C. PATTERN SHALL BE SYMMETRICAL ABOUT CENTERLINE OF AREA, U.N.O. LAY OUT UNITS HAVING DIRECTIONAL PATTERN IN SAME DIRECTION.
   D. SEAL JOINTS IN ACOUSTICAL UNITS AROUND PIPES, DUCTS, AND ELECTRICAL OUTLETS WITH ACOUSTICAL SEALANT.
   E. WHERE CUTTING OF ACOUSTICAL UNITS IS REQUIRED, CUT SO THAT NO CUT OR DAMAGED EDGES ARE VISIBLE IN FINISHED WORK.
   F. HOLD DOWN CLIPS;
      1. INSTALL ACOUSTICAL UNITS SURROUNDING RECESSED TROFFER LIGHTS WITH HOLD DOWN CLIPS TO PREVENT MOVEMENT OR DISPLACEMENT OF UNITS
      2. INSTALL HOLD DOWN CLIPS AT EXTERIOR CEILING PANELS
   G. LAY SOUND ATTENUATION BLANKETS OVER CEILINGS IN DESIGNATED SPACES
3. CLEANING:
   A. CLEAN SOILED OR DISCOLORED UNIT SURFACES AFTER INSTALLATION.
   B. TOUCH UP SCRATCHES, ABRASIONS, VOIDS AND OTHER DEFECTS IN PAINTED METAL SURFACES.
   C. REMOVE AND REPLACE DAMAGED AND STAINED ACOUSTICAL UNITS WITH NEW UNITS TO MATCH.

SECTION 09600 - STONE

1. SUBMITTALS:
   A. SUBMIT SHOP DRAWING INDICATING STONE PATTERN, ALIGNMENTS AND TRANSITION STRIPS FOR DESIGNER APPROVAL PRIOR TO INSTALLATION. CONTRACTOR SHALL INDICATE TYPICAL 1/8" GROUT JOINTS FOR DIMENSIONING AND ALIGNMENT PURPOSES.
   B. SAMPLES: SUBMIT MINIMUM 1'-0"X1'-0" SAMPLE PANEL OF EACH STONE TYPE AND FINISH. INDICATE SELECTED SIZE, TEXTURE AND COLOR RANGE. MORE STONE SAMPLES MAY BE REQUIRED TO DESIGNATE A RANGE OF PATTERNS/COLORATIONS.
2. ACCEPTABLE MANUFACTURER: AS SPECIFIED.
3. SETTING MATERIAL & ACCESSORIES:
   A. SHOWER PAN OR MEMBRANE WATERPROOFING
      1. ACCEPTABLE PRODUCT: THE NOBLE COMPANY, CHLORALOY 240.
      2. CHARACTERISTICS: MINIMUM 40 MIL. THICKNESS CHLORINATED POLYETHYLENE SHEET.
      3. PROVIDE MANUFACTURE'S STANDARD SOLVENT'S, ADHESIVE AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
      4. COMPLY WITH TCA #B414/415-03.
   B. DRY-SET MORTAR: (THINSET APPLICATION)
      1. LATICRETE INTERNATIONAL.
      2. TEC INCORPORATED & H.B. FULLER.
      3. MAPEI COPORATION: KERABOND WITH UNDILUTED KERALASIC ADDITIVE FOR WALLS AN FLOORS.
   C. CHARACTERISTICS: PORTLAND CEMENT AND ADDITIVES MEETING ANSI #A118.1-1985 AND ANSI #A118.4-1985; TCA #F113 FOR FLOOR; TCA #W243-03 FOR WALLS; MIX WITH SPECIFIED LATEX ADDITIVES.
   D. GROUTING MATERIALS:
      1. PORTLAND CEMENT GROUT - SEE DRAWING FOR SPECIFICATION. CHARACTERISTICS: FACTORY-MIXED PORTLAND CEMENT AND ADDITIVES. INCLUDING COLORFAST, MEETING ANSI ANSI A118.6-1988, MIXED WITH ADDITIVE AND COLOR SPECIFIED BY DESINGER FROM MANUFACTURERS STANDARD SELECTION.
   E. ALL SETTING MATERIAL SHALL BE LOW VOC WITH A LIMIT OF 65G/L.
4. INSTALLATION:
   A. INSTALL STONE ACCORDING TO THE APPROVED SHOP DRAWING WITH 1/8" WIDE GROUT JOINTS.
   B. INSTALL METAL TRANSITION STRIPS AS SPECIFIED.
   C. AFTER INSTALLATION AND SPOT CHECK BY DESIGNER, COVER STONE FLOORS WITH A LAYER OF 1/4" THICK HARDBOARD FOR PROTECTION FROM ADJACENT CONSTRUCTION.

SECTION 09650- RESILIENT TILE FLOORING

1. SUBMITTALS:
   A. SAMPLES FOR VERIFICATION PURPOSES IN FULL-SIZE TILES OF EACH DIFFERENT COLOR AND PATTERN OF RESILIENT FLOOR TILE SPECIFIED, SHOWING FULL RANGE OF VARIATIONS EXPECTED IN THESE CHARACTERISTICS.
2. RESILIENT TILE:
   A. VINYL COMPOSITION FLOOR TILE: PRODUCTS COMPLYING WITH ASTM F 1066, COMPOSITION 1 (NONASBESTOS FORMULATED).
3. INSTALLATION ACCESSORIES:
   A. CONCRETE SLAB PRIMER: NONSTAINING TYPE AS RECOMMENDED BY FLOORING MANUFACTURER.
   B. TROWELABLE UNDERLAYMENTS AND PATCHING COMPOUNDS: LATEX-MODIFIED, PORTLAND-CEMENT-BASED FORMULATION PROVIDED OR APPROVED BY TILE MANUFACTURER FOR APPLICATIONS INDICATED.
   C. ADHESIVES (CEMENTS): WATER-RESISTANT TYPE RECOMMENDED BY TILE MANUFACTURER TO SUIT RESILIENT FLOOR TILE PRODUCTS AND SUBSTRATE CONDITIONS INDICATED. ADHESIVES SHALL BE LOW VOC WITH A LIMIT OF 50G/L.
4. EXAMINATION:
   A. GENERAL: INSTALLER TO EXAMINE AREAS WHERE INSTALLATION OF TILES WILL OCCUR, TO VERIFY THAT SUBSTRATES AND CONDITIONS ARE SATISFACTORY FOR TILE INSTALLATION AND COMPLY WITH THE MANUFACTURER?S REQUIREMENTS AND THOSE SPECIFIED IN THIS SECTION.
   B. SLAB SUBSTRATES ARE DRY AND FREE OF CURING COMPOUNDS, SEALERS, HARDENERS, AND OTHER MATERIALS WHOSE PRESENCE WOULD INTERFERE WITH BONDING OF ADHESIVE. DETERMINE ADHESION AND DRYNESS CHARACTERISTICS BY PERFORMING BOND AND MOISTURE TESTS RECOMMEND BY THE MANUFACTURER.
   C. COMMENCEMENT OF INSTALLATION OF THE VCT IMPLIES THE SUBCONTRACTORS ACCEPTANCE OF SUBSTRATE CONDITIONS AND LEVELNESS.
5. INSTALLATION:
   A. GENERAL: COMPLY WITH TILE MANUFACTURER'S INSTALLATION DIRECTIONS AND OTHER REQUIREMENTS INDICATED THAT ARE APPLICABLE TO EACH TYPE OF TILE INSTALLATION INCLUDED IN PROJECT.
   B. LAY OUT TILES FROM CENTER MARKS ESTABLISHED WITH PRINCIPAL WALLS, DISCOUNTING MINOR OFFSETS, SO TILES AT OPPOSITE EDGES OF ROOM ARE OF EQUAL WIDTH U.N.O. ADJUST AS NECESSARY TO AVOID USING CUT WIDTHS AT PERIMETER THAT EQUAL LESS THAN ONE-HALF OF A TILE. INSTALL TILES SQUARE WITH ROOM AXIS, UNLESS OTHERWISE SHOWN.
   C. SCRIBE, FIT AND CUT TILES NEATLY AROUND ALL FIXTURES AND VERTICAL SURFACES. DISCARD BROKEN, CRACKED, CHIPPED, OR DEFORMED TILES.
      1. LAY TILES WITH GRAIN RUNNING IN ONE DIRECTION.
6. CLEANING AND PROTECTION:
   A. PROTECT FLOORING AGAINST MARS, MARKS, INDENTATIONS, AND OTHER DAMAGE FROM CONSTRUCTION OPERATIONS AND PLACEMENT OF EQUIPMENT AND FIXTURES DURING REMAINDER OF CONSTRUCTION PERIOD. USE PROTECTION METHODS INDICATED OR RECOMMENDED BY TILE MANUFACTURER.
   B. CLEAN TILES PRIOR TO DATES SCHEDULED FOR INSPECTIONS INTENDED TO ESTABLISH DATE OF SUBSTANTIAL COMPLETION. CLEAN TILES USING METHOD RECOMMENDED BY MANUFACTURER.

SECTION 09678 - RESILIENT WALL BASE AND ACCESSORIES

1. PRODUCTS:
   A. PRODUCT WILL BE PROVIDED IN ROLLS. 4'-0" PIECES AND PREMOULDED CORNERS ARE NOT ACCEPTABLE.
   B. RUBBER WALL BASE: PRODUCTS COMPLYING WITH FS SS-W-40, TYPE 1.
2. EXAMINATION:
   A. THE INSTALLER IS TO VERIFY THAT SUBSTRATES AND CONDITIONS ARE SATISFACTORY FOR INSTALLATION AND COMPLY WITH MANUFACTURER'S REQUIREMENTS AND THOSE SPECIFIED IN THIS SECTION.
3. INSTALLATION:
   A. GENERAL: INSTALL PRODUCTS SPECIFIED IN THIS SECTION USING METHODS INDICATED ACCORDING TO MANUFACTURER'S INSTALLATION DIRECTIONS.
   B. INSTALL WALL BASE IN LENGTHS AS LONG AS PRACTICABLE. TIGHTLY ADHERE WALL BASE TO SUBSTRATE THROUGHOUT LENGTH OF EACH PIECE, WITH BASE IN CONTINUOUS CONTACT WITH HORIZONTAL AND VERTICAL SUBSTRATES.
   C. CLEAN AND PROTECT AS RECOMMENDED BY MANUFACTURER.
   D. ADHESIVES SHALL BE LOW VOC WITH LIMIT OF 50 G/L.

SECTION 09680 - CARPET

1. SUBMITS:
   A. SUBMIT CARPET SEAMING DIAGRAM FOR DESIGNER APPROVAL.
   B. SUBMIT TWO SETS OF SAMPLES OF EACH CARPET TYPE, COLOR & PATTERN SPECIFIED.
2. PROJECT CONDITIONS:
   A. SUBSTRATE CONDITIONS: NO CONDENSATION WITHIN 48 HOURS ON UNDERSIDE OF 4-FOOT BY 4-FOOT POLYETHYLENE SHEET, FULLY TAPED AT PERIMETER TO SUBSTRATE.
   B. SUBSTRATE CONDITIONS: PH OF 9 OR LESS WHEN SUBSTRATE WETTED WITH POTABLE WATER AND PHYDRION PAPER APPLIED.
   C. LEVEL FLOOR WITH A LEVELING COMPOUND AS REQUIRED TO MAINTAIN A 1/4"/10'-0" MAXIMUM VARIATION FROM PLUMB.
3. INSTALLATION:
   A. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR SEAM LOCATIONS AND DIRECTION OF CARPET; MAINTAIN UNIFORMITY OF CARPET DIRECTION AND LAY OF PILE. AT DOORWAYS, CENTER SEAMS UNDER DOOR IN CLOSED POSITION; DO NOT PLACE SEAMS PERPENDICULAR TO DOOR FRAME, IN DIRECTION OF TRAFFIC THROUGH DOORWAY. DO NOT BRIDGE BUILDING EXPANSION JOINTS WITH CONTINUOUS CARPET.
   B. INSTALL WITH PATTERN PARALLEL TO WALLS AND BORDERS.
   C. INSTALL CARPET BY TRIMMING EDGES, BUTTING CUTS WITH SEAMING CEMENT, AND TAPING AND/OR SEWING SEAMS TO PROVIDE SUFFICIENT STRENGTH FOR STRETCHING AND CONTINUED STRESSES DURING LIFE OF CARPET.
   D. STRETCH CARPET TO PROVIDE SMOOTH, RIPPLE-FREE, TAUT, TRIM EDGES; SECURE TO STRIPPING AND CONCEAL BEHIND EDGE OF STRIPPING. USE POWER STRETCHER WHERE CARPET LENGTH IS GREATER THAN 20 FEET.
   E. FIT SECTIONS OF CARPET PRIOR TO APPLICATION OF ADHESIVE. TRIM EDGES AND BUTT CUTS WITH SEAMING CEMENT.
   F. APPLY ADHESIVE UNIFORMLY TO SUBSTRATE IN ACCORDANCEANCE WITH MANUFACTURER'S INSTRUCTIONS. BUTT EDGES TIGHT TO FORM SEAMS WITHOUT GAPS. ROLL ENTIRE AREA LIGHTLY TO ELIMINATE AIR POCKETS AND ENSURE UNIFORM BOND.
   G. ADHESIVES SHALL BE LOW VOC WITH LIMIT OF 50 G/L.
4. CLEANING:
   A. REMOVE ADHESIVE FROM CARPET SURFACE WITH MANUFACTURER'S RECOMMENDED CLEANING AGENT. ANY DAMAGED CARPET IS TO BE REPLACED.
   B. REMOVE AND DISPOSE OF DEBRIS AND UNUSABLE SCRAPS. VACUUM WITH COMMERCIAL MACHINE WITH FACE-BEATER ELEMENT. REMOVE SOIL. REPLACE CARPET WHERE SOIL CANNOT BE REMOVED. REMOVE PROTRUDING FACE YARN.
5. PROTECTION:
   A. PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS, IN A MANNER ACCEPTABLE TO MANUFACTURER AND INSTALLER, TO ENSURE CARPET IS NOT DAMAGED OR DETERIORATED AT TIME OF SUBSTANTIAL COMPLETION.

SECTION 09690 - CARPET TILE

1. SUBMITTALS:
   A. SHOP DRAWINGS: SUBMIT LAYOUT DRAWINGS.
   B. MAINTENANCE DATA: SUBMIT AS PART OF CONTRACT CLOSEOUT DOCUMENTS. INCLUDE RECOMMENDATIONS FOR VARIOUS TRAFFIC CONDITIONS, CLEANING PROCEDURES AND INTERVALS.
   C. SAMPLES; IDENTIFY CARPET TILE SAMPLES BY NAME, NUMBER AND MANUFACTURER'S LOT NUMBER:
      1. CARPET TILE: SUBMIT TWO FULL-SIZE SAMPLES OF EACH TYPE, COLOR AND PATTERN SELECTED.
2. PRODUCTS/INSTALLATION ACCESSORIES:
   A. ACCEPTABLE MANUFACTURERS AND CHARACTERISTICS AS SPECIFIED ON DRAWINGS.
   B. ADHESIVE: TYPE RECOMMENDED BY CARPET TILE MANUFACTURER FOR INSTALLATION CONDITIONS. ADHESIVE SHALL BE RELEASE TYPE, ALLOWING REMOVAL OF CARPET TILE WITHOUT DAMAGE TO CARPET TILE OR SUBSTRATE.
   C. LEVELING COMPOUND; ACCEPTABLE PRODUCTS WITH LOW VOC TO COMPLY WITH SCAQMD RULE #1168:
      1. EUCLID EUCO POLYPATCH.
      2. FLINTKOTE LATEX UNDERLAYMENT.
      3. GAF LEVELING AND PATCHING COMPOUND.
      4. TAMMS FLOORSTONE WITH LATEX LIQUID.

SECTION 09690 - CARPET TILE - CONTINUED

3. EXECUTION/WORKMANSHIP:
   A. VACUUM SUBSTRATE IMMEDIATELY PRIOR TO BEGINNING CARPET TILE INSTALLATION. REMOVE DEBRIS, OIL, GREASE AND OTHER FOREIGN MATERIALS. SURFACES TO RECEIVE INSTALLATION SHALL BE DRY.
   B. GRIND HIGH AREAS AND FILL DEPRESSIONS WITH LEVELING COMPOUND WHERE REQUIRED TO PRODUCE SMOOTH INSTALLATION AND FOR PROPER ALIGNMENT OF CARPET TILE WITH ADJACENT FLOORING MATERIALS.
   C. EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SPECIFIED HEREIN, COMPLY WITH MANUFACTURES'S PRODUCT DATA.
   D. LAY OUT CARPETING MATERIALS IN ACCORDANCE WITH APPROVED SHOP DRAWINGS.
   E. LAY CARPET TILE AS INDICATED ON DRAWINGS AND AS DIRECTED BY MANUFACTURER.
   F. EXTEND CARPET TILE UNDER MOVABLE FURNITURE AND EQUIPMENT AND INTO CLOSETS OF ROOMS INDICATED TO BE CARPETED UNLESS OTHER FLOOR FINISH IS INDICATED IN FINISH SCHEDULE.
   G. MAINTAIN EDGES STRAIGHT AND SQUARE WITH ADJACENT SURFACES.
4. INSTALLATION:
   A. DIVIDE AREAS INTO GRID PATTERN OF MAXIMUM SIZES RECOMMENDED BY MANUFACTURER. GRID SHALL BE CENTERED IN EACH AREA, PERPENDICULAR TO WALLS, BUT PLACED TO AVOID EDGE TILES OF LESS THAN HALF TILE SIZE. GRIDS SHALL ALIGN CONTINUOUSLY THROUGH DOOR OPENINGS AND VISUALLY ADJACENT AREAS.
   B. ADHESIVELY APPLY TILES TO FLOOR USING 10090 FULL SPREAD ADHESIVE. COMPLY WITH MANUFACTURER'S INTRODUCTIONS FOR FULL SPREAD INSTALLATION.
   C. ACCURATELY SCRIBE AND CUT TILE TO ABUTTING SURFACES. MAXIMUM CLEARANCE SHALL BE 1/32".
   D. USE CARPET TILES FROM ONLY ONE SIDE OF "CUT" AND ONE SINGLE DYE LOT WITHIN EACH COMPLETE AREA, AND ALIGN TILES WITH GRAIN IN ONE DIRECTION AS INDICATED ON BACKS OF TILES.
   E. LAY TILES WITH TIGHTLY ABUTTED JOINTS AND CORNERS, JOINT LINES CONSISTENTLY STRAIGHT AND PARALLEL.
   F. REFER TO THE DRAWINGS FOR AREAS TO RECEIVE FULL SPREAD ADHESIVE.
   G. ADHESIVES SHALL BE LOW VOC WITH LIMIT OF 50G/L.
5. CLEANING & PROTECTION:
   A. AT COMPLETION OF THE INSTALLATION, REMOVE DEBRIS, SORT CUT SCRAPS TO BE SAVED.
   B. VACUUM CARPET TILE WITH A COMMERCIAL TYPE VACUUM CLEANER HAVING A ROTATING AGITATOR IN NOZZLE. UTILIZE CORNER ATTACHMENT FOR VACUUMING CORNER AND CREVICES.
   C. REMOVE STAINS WITH SPOT REMOVER ACCEPTABLE TO CARPET TILE MANUFACTURER.
   D. IMMEDIATELY AFTER CLEANING, COVER CARPETED AREAS WITH HEAVY KRAFT PAPER. MAINTAIN IN PLACE FOR REMAINDER OF CONSTRUCTION PERIOD.
   E. JUST PRIOR TO DATE OF SUBSTANTIAL COMPLETION, REMOVE PROTECTIVE COVERING AND VACUUM CARPET TILE. STEAM CLEAN AREAS IF REQUIRED TO REMOVE STAINS.
   F. REPLACE CARPET TILE WHICH CANNOT BE CLEANED.

SECTION 09900 - PAINTING

1. SUBMITTALS:
   A. SUBMIT 8 1/2" X 11" BRUSH OUTS ON COVERSTOCK FOR EACH COLOR AND SPECIFIED SHEEN. IF REQUIRED, SUBMIT LABELED DRY SAMPLES TO DESIGNER FOR APPROVAL.
2. MANUFACTURERS:
   A. MANUFACTURER: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING: PPG; SHERWIN WILLIAMS; BENJAMIN MOORE.
3. PAINT SCHEDULE: USE ONLY LOW ODOR; MINIMAL VOC EMITTING PRODUCTS:
   1. GYPSUM DRYWALL (FLAT FINISH AT CEILINGS AND SOFFITS, MAX 50g/L VOC):
      A. PRIMER:
         1. PPG: 6-2 SPEEDHIDE INTERIOR LATEX PRIMER SEALER
         2. SHERWIN WILLIAMS: PRO-MAR 200 ZERO VOC INT. LATEX PRIMER B28W02600
         3. BENJAMIN MOORE: SUPER SPEC LATEX ENAMEL UNDERCOATER & PRIMER 253
      B. FIRST AND SECOND COATS:
         1. PPG: 6-70 SERIES SPEEDHIDE INTERIOR LATEX FLAT WALL PAINT
         2. SHERWIN WILLIAMS: PRO-MAR 200 INTERIOR FLAT LATEX WALL PAINT B30W251
         3. BENJAMIN MOORE: SUPER SPEC INTERIOR FLAT LATEX WALL PAINT 275
   2. GYPSUM WALLBOARD (EGGSHELL FINISH FOR WALLS, MAX 150g/L VOC):
      A. PRIMER:
         1. PPG: 6-1 SPEEDHIDE MAXBUILD, HIGH BUILD DRYWALL SURFACER
         2. SHERWIN WILLIAMS: BUILDERS SOLUTION INTERIOR LATEX PRIMER/SURFACER #A63W00100
         3. BENJAMIN MOORE: SUPER SPEC PREP COAT HIGH BUILD LATEX INTERIOR PRIMER 270
      B. FIRST AND SECOND COATS:
         1. PPG: 6-411 SPEEDHIDE INTERIOR LATEX EGGSHELL ENAMEL
         2. SHERWIN WILLIAMS: PRO-MAR 200 LATEX EGG-SHELL ENAMEL B20W2251
         3. BENJAMIN MOORE: MOORECRAFT SUPER SPEC LATEX EGGSHELL ENAMEL 274
   3. STEEL DOORS & FRAMES (SEMI-GLOSS FINISH, MAX 150g/L VOC):
      A. PRIMER:
         1. PPG: 90-712 PITT TECH INTERIOR EXTERIOR DTM ACRYLIC PRIMER FINISH
         2. SHERWIN WILLIAMS: PRO-CRYL UNIVERSAL ACRYLIC PRIMER B66 SERIES
         3. BENJAMIN MOORE: SUPER SPEC HP ACRYLIC METAL PRIMER P04
      B. FIRST AND SECOND COATS:
         1. PPG: PP919 ADVANTAGE 900 INTERIOR EXTERIOR ACRYLIC SEMI-GLOSS ENAMEL
         2. SHERWIN WILLIAMS: PROCLASSIC SEMI-GLOSS ACRYLIC ENAMEL B31 SERIES
         3. BENJAMIN MOORE: MOORE'S KITCHEN & BATH ACRYLIC ENAMEL 322
   4. WOOD DOORS, WOOD FRAMES AND TRIM (SEMI GLOSS FINISH, MAX 150g/L VOC):
      A. PRIMER:
         1. PPG: 17-951 SEAL GRIP INTERIOR ACRYLIC PRIMER/FINISH
         2. SHERWIN WILLIAMS: PREPRITE PRO BLOCK LATEXPRIMER/SEALER: B51-600
         3. BENJAMIN MOORE: FRESH START ALL PURPOSE ACRYLIC PRIMER 023
      B. FIRST AND SECOND COATS:
         1. PPG: PP919 ADVANTAGE 900 INTERIOR EXTERIOR ACRYLIC SEMI-GLOSS ENAMEL
         2. SHERWIN WILLIAMS: PROCLASSIC SEMI-GLOSS ACRYLIC ENAMEL B31 SERIES
         3. BENJAMIN MOORE: MOORE'S KITCHEN & BATH ACRYLIC ENAMEL 322
4. EXAMINATION AND INSTALLATION:
   A. EXAMINE SUBSTRATES AND CONDITIONS UNDER WHICH PAINTING WILL BE PERFORMED FOR COMPLIANCE WITH PAINT APPLICATION REQUIREMENTS. SURFACES RECEIVING PAINT MUST BE THOROUGHLY DRY BEFORE PAINT IS APPLIED. START OF PAINTING WILL BE CONSTRUED AS THE APPLICATOR'S ACCEPTANCE OF SURFACES AND CONDITIONS WITHIN A PARTICULAR AREA.
   B. SURFACE PREPARATION: CLEAN AND PREPARE SURFACES TO BE PAINTED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS FOR EACH PARTICULAR SUBSTRATE CONDITION AND AS SPECIFIED.
   C. MINIMUM COATING THICKNESS: APPLY MATERIALS NO THINNER THAN THE MANUFACTURER'S RECOMMENDED SPREADING RATE. PROVIDE THE TOTAL DRY FILM THICKNESS OF THE ENTIRE SYSTEM AS RECOMMENDED BY THE MANUFACTURER.
5. CLEAN AND PROTECT:
   A. PROTECT WORK OF OTHER TRADES, WHETHER BEING PAINTED OR NOT, AGAINST DAMAGE BY PAINTING. CORRECT DAMAGE BY CLEANING, REPAIRING OR REPLACING, AND REPAINTING, AS ACCEPTABLE TO DESIGNER.
   B. PROVIDE "WET PAINT" SIGNS TO PROTECT NEWLY PAINTED FINISHES. REMOVE TEMPORARY PROTECTIVE WRAPPINGS PROVIDED BY OTHERS TO PROTECT THEIR WORK AFTER COMPLETING PAINTING OPERATIONS.
      1. AT COMPLETION OF CONSTRUCTION ACTIVITIES OF OTHER TRADES, TOUCH UP AND RESTORE DAMAGED OR DEFACED PAINTED SURFACES.

SECTION 09950 - WALLCOVERINGS

1. SUBMITTALS:
   A. SAMPLES: SUBMIT SAMPLES OF WALLCOVERINGS IMMEDIATELY UPON RECEIPT OF SHIPMENT FOR VERIFICATION BY DESIGNER. IDENTIFY SAMPLES BY NAME AND NUMBER.
2. INSTALLATION:
   A. REMOVE SWITCHPLATES, WALL PLATES AND SURFACE MOUNTED FIXTURES AND CUT WALLCOVERING EVENLY TO EDGES OF OUTLET BOX OR SUPPORT. REPLACE ITEMS FOLLOWING INSTALLATION.
   B. PRIME WALL SURFACES TO RECEIVE WALLCOVERINGS WITH LOW VOC PRIMER (MAX 150G/L VOC)
   C. TRIM SELVAGES STRAIGHT AND TRUE FOR ACCURATE PATTERN MATCH AND TIGHT UNIFORM JOINTS. TRIM FABRIC WALLCOVERING IN FLAT, STRAIGHT, RELAXED POSITION USING SHARP INSTRUMENTS TO PRODUCE SMOOTH EDGE, FREE OF GAPS, PUCKERS, PULLED OR FRAYED THREADS, OR
   D. PLACE WALLCOVERING PANELS CONSECUTIVELY IN THE ORDER CUT FROM ROLLS, INCLUDING FILLING OF SPACES ABOVE OR BELOW OPENINGS. INSTALL EACH ROLL IN MANUFACTURER'S NUMERICAL ORDER.
   E. APPLY ADHESIVE TO BACK OF VINYL WALLCOVERING IN ACCORDANCE WITH MANUFACTURER'S PRODUCT DATA. APPLY ADHESIVE TO WALL FOR INSTALLATION OF FABRIC WALLCOVERING. ALL ADHESIVES SHALL COMPLY W/ SCAQMD RULE#1168 VOC LIMITS.
   F. PLACE WALLCOVERING CONTINUOUS AROUND INTERNAL AND EXTERNAL CORNERS WITH SEAMS AT LEAST 6" FROM CORNERS. OVERLAP SEAMS AND DOUBLE-CUT. ROLL, BRUSH OR USE BROAD KNIFE TO REMOVE AIR BUBBLES, WRINKLES AND BLISTERS.
   G. WHERE WALLCOVERING CHANGES AT CORNER, LAP CORNER WITH DOMINANT COLOR AND PLACE EDGE OF SECOND COLOR WITHIN 1/8" OF CORNER. FORCE MATERIAL TIGHTLY INTO INTERNAL CORNERS. PROVIDE ADHESIVE FOR LAP AS RECOMMENDED BY WALLCOVERING MANUFACTURER FOR LAPPE J.
   H. TRIM EDGES TIGHTLY AGAINST ABUTTING MATERIALS, MAINTAINING SMOOTH, EVEN LINE AND TIGHTLY BONDED EDGE.
   I. REMOVE EXCESS ADHESIVE ALONG FINISHED SEAMS USING METHODS RECOMMENDED BY MANUFACTURER WHICH WILL NOT DILUTE OR WEAKEN ADHESIVE BOND WITHIN SEAM.
   J. INSTALL WALLCOVERING WITH COMPLETE SUBSTRATE BOND, SMOOTH, CLEAN, WITHOUT WRINKLES, GAPS OR OVERLAPS.
   K. OBSERVE INSTALLATION FROM A DISTANCE OF 10'-0" AFTER INSTALLING FIRST THREE PANELS, AND REGULARLY THEREAFTER, TO INSURE UNIFORM COLOR AND PATTERN ALIGNMENT. NOTIFY DESIGNER FOR INSTRUCTIONS PRIOR TO PROCEEDING, SHOULD DISCREPANCIES BE OBSERVED.

SECTION 10522 - FIRE EXTINGUISHERS, CABINETS AND ACCESSORIES

1. QUALITY ASSURANCE:
   A. UL-LISTED PRODUCTS: FIRE EXTINGUISHERS UL-LISTED AND BEAR UL "LISTING MARK" FOR TYPE, RATING, AND CLASSIFICATION OF EXTINGUISHER.
2. MANUFACTURERS:
   A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:
   1. LARSEN'S MANUFACTURING CO. 2. J.L. INDUSTRIES. 3. POTTER ROEMER, INC.
3. FIRE EXTINGUISHERS:
   A. MULTIPURPOSE DRY CHEMICAL TYPE: UL-RATED 4-A:60-B:C, 10-LB. NOMINAL CAPACITY, IN ENAMELED STEEL CONTAINER.
   B. PROVIDE WALL HUNG FIRE EXTINGUISHERS (HANDLE ON EXTINGUISHER AT 48"AFF.) AS INDICATED ON DRAWINGS.
4. FIRE EXTINGUISHER CABINETS:
   A. GENERAL: PROVIDE RECESSED FIRE EXTINGUISHER CABINETS WHERE INDICATED, OF SUITABLE SIZE FOR HOUSING FIRE EXTINGUISHERS OF TYPES AND CAPACITIES INDICATED.
   B. CABINET TYPE: SUITABLE FOR MOUNTING CONDITIONS INDICATED, OF THE FOLLOWING TYPES:
   1. RECESSED: CABINET BOX (TUB) FULLY RECESSED IN WALLS OF SUFFICIENT DEPTH TO SUIT STYLE OF TRIM INDICATED. VERTICAL GLAZED OPENING WITH CLEAR PLEXIGLASS MATERIAL.
   2. MANUFACTURER: LARSON ARCHITECTURAL SERIES #2409-R2, VERTICAL DUO STEEL DOOR (DSA GLASS STANDARD) WITH PRIME COAT
   3. INSTALLATION: MOUNT BOTTOM OF CABINET AT 30" AFF TO WOOD BLOCKING.

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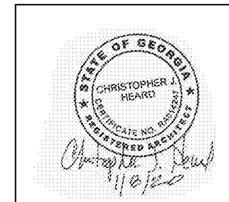

No.	Date	Description
	1/8/2020	ISSUED/RELEASED FOR CONSTRUCTION

Project Name

FranklinStreet

FRANKLIN STREET
3384 PEACHTREE ROAD
NE, SUITE 650
ATLANTA, GA 30326

ISSUE

ISSUED/RELEASED FOR CONSTRUCTION

PROJECT SPECIFICATIONS

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