

**SECTION 03300:**

**CONCRETE:**

1. COMPRESSIVE STRENGTH: 4000 PSI, STEEL WIRE FABRIC REINFORCEMENT, TROWEL FINISH TO A HARD, SMOOTH UNIFORM FINISH TO MATCH ADJACENT AREAS. MOISTURE CURE.

**SECTION 06100:**

**ROUGH CARPENTRY:**

1. PROVIDE FIRE-RETARDANT TREATED NAILERS, BLOCKING AND GROUNDS WHERE REQUIRED FOR SECURE FASTENING OF FINISH WORK. FIRE-RETARDANT TREATMENT: AWPA C20 FOR LUMBER AND AWPA C27 FOR PLYWOOD, NON-CORROSIVE TYPE.

**SECTION 06400:**

**ARCHITECTURAL WOODWORK:**

1. PROVIDE CUSTOM GRADE, HIGH PRESSURE DECORATIVE PLASTIC LAMINATE CLAD COUNTERTOPS WITH PARTICLE BOARD CORE AND LAMINATE EDGE. COLOR AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE OF SOLID COLOR AND PATTERNED FINISHES.

**SECTION 07900:**

**JOINT SEALERS:**

1. PROVIDE LATEX JOINT SEALANTS, ACRYLIC EMULSION TYPE, ASTM C 834, AT INTERIOR JOINTS IN VERTICAL SURFACES WITH LIMITED MOVEMENT.
2. PROVIDE ONE-PART FIRE-STOPPING SEALANT IN FIRE-RATED FLOOR ASSEMBLIES, AND WALL ASSEMBLIES DESIGNED TO RESIST THE PASSAGE OF SMOKE.

**SECTION 08110:**

**STEEL FRAMES:**

1. PRODUCTS SHALL COMPLY WITH ANSI/SDI-100.
2. PROVIDE 18 GAUGE, SLIP-ON TYPE FRAMES OF THICKNESS REQUIRED BY WALL ASSEMBLY, PRIMED AND READY FOR FIELD PAINTING.

**SECTION 08210:**

**FLUSH WOOD DOORS:**

1. PRODUCTS AND INSTALLATION SHALL COMPLY WITH NWWDA I.S. 1-A, "ARCHITECTURAL WOOD FLUSH DOORS."
2. PROVIDE 1-3/4 INCH THICK CUSTOM GRADE, 7-PLY DOORS WITH PARTICLEBOARD CORE AND CLOSE-GRAIN HARDWOOD FACES TO MATCH COLOR AND FINISH OF EXISTING WOOD DOORS.

**SECTION 08710:**

**DOOR HARDWARE:**

1. PROVIDE MATERIALS IN CONFORMANCE WITH ANSI A156 SERIES STANDARDS.
2. PROVIDE HEAVY DUTY COMMERCIAL GRADE HARDWARE OF THE FOLLOWING TYPES:
  - A. HWS-1:
    - I. HINGES: MORTISE, ANTI-FRICTION BEARING TYPE, 3 PER LEAF.
    - II. CYLINDER PASSAGE SET: EQUAL TO SCHLAGE D-SERIES WITH SPARTA LEVER HANDLE, 2-3/4" BACKSET, 1/2" THROW AND CLOSED BACK STRIKE. PASSAGE FUNCTION WITH LATCH BOLT OPERATED BY HANDLE FROM EITHER SIDE AT ALL TIMES.
    - III. STOP: WALL MOUNTED, BHMA A156.16. (FASTEN TO SOLID IN-WALL BLOCKING.)
    - IV. DOOR SILENCERS: GRADE 1, NEOPRENE OR RUBBER, MIN. DIAMETER 1/2" FABRICATED FOR DRILLED-IN APPLICATION TO FRAME.
  - B. HWS-2:
    - I. HINGES: MORTISE, ANTI-FRICTION BEARING TYPE, 3 PER LEAF.
    - II. CYLINDER LOCK SET: EQUAL TO SCHLAGE D-SERIES WITH SPARTA LEVER HANDLE, 2-3/4" BACKSET, 1/2" THROW AND CLOSED BACK STRIKE. ENTRANCE/OFFICE LOCK FUNCTION WITH LATCH BOLT OPERATED BY HANDLE FROM EITHER SIDE EXCEPT WHEN LOCKING DEVICE ON INNER SIDE IS IN LOCKED POSITION REQUIRING KEY IN OUTSIDE HANDLE TO UNLOCK AND RETRACT BOLT.
    - III. STOP: WALL MOUNTED, BHMA A156.16. (FASTEN TO SOLID IN-WALL BLOCKING.)
    - IV. DOOR SILENCERS: GRADE 1, NEOPRENE OR RUBBER, MIN. DIAMETER 1/2" FABRICATED FOR DRILLED-IN APPLICATION TO FRAME.
  - C. HWS-3:
    - I. HINGES: MORTISE, ANTI-FRICTION BEARING TYPE, 3 PER LEAF.
    - II. FLUSH BOLTS: AUTOMATIC TYPE.
    - III. CYLINDER LOCK SET: EQUAL TO SCHLAGE D-SERIES WITH SPARTA LEVER HANDLE, 2-3/4" BACKSET AND 1/2" THROW. STOREROOM LOCK FUNCTION WITH DEAD-LOCKING LATCH BOLT OPERATED BY KEY IN OUTSIDE HANDLE OR BY ROTATING INSIDE HANDLE. OUTSIDE HANDLE IS ALWAYS FIXED.
    - IV. CLOSER: EQUAL TO LCN 4030 SERIES.
    - V. COORDINATOR
    - VI. ASTRAGAL: METAL TYPE
    - VII. STOPS: WALL MOUNTED, BHMA A156.16. (FASTEN TO SOLID IN-WALL BLOCKING.)
    - VIII. DOOR SILENCERS: GRADE 1, NEOPRENE OR RUBBER, MIN. DIAMETER 1/2" FABRICATED FOR DRILLED-IN APPLICATION TO FRAME
3. PROVIDE HARDWARE AND INSTALLATION IN COMPLIANCE WITH REQUIREMENTS OF ADA ACCESSIBILITY GUIDELINES.
4. PROVIDE BLOCKING FOR SECURE FASTENING OF ALL HARDWARE ITEMS MOUNTED TO WALL ASSEMBLIES.
5. FINISHES TO BE BRUSHED STAINLESS OR BRUSHED CHROME.

**SECTION 08800:**

**GLAZING:**

1. PRODUCTS AND INSTALLATION SHALL COMPLY WITH 16 CFR 1201, AND GANA GLAZING MANUAL.
2. PROVIDE FULLY TEMPERED, HEAT-TREATED FLOAT GLASS IN BOTH DOOR VISION PANELS AND FIXED HOLLOW METAL FRAMES. PROVIDE GLAZING ACCESSORIES INCLUDING GASKETS, SEALANTS AND TAPES AS REQUIRED FOR INSTALLATION IN CONFORMANCE WITH REFERENCED STANDARDS AND GLASS MANUFACTURER'S RECOMMENDATIONS.

**SECTION 09260:**

**GYPSUM BOARD ASSEMBLIES:**

1. PROVIDE 5/8" GYPSUM WALLBOARD, ASTM C36. PAPER TAPE, METAL OR PLASTIC CORNER BEAD AND EDGE TRIM, AND SETTING TYPE JOINT COMPOUND, ASTM C 475.
2. PROVIDE STEEL STUDS, RUNNERS AND FURRING CHANNELS COMPLYING WITH ASTM C 645 WITH MANUFACTURER'S STANDARD CORROSION-RESISTANT ZINC COATING. PROVIDE MATERIAL THICKNESS TO MEET DEFLECTION CRITERIA OF STUD LENGTH DIVIDED BY 240, AND DEPTH AS INDICATED IN PARTITION TAGS ON DRAWINGS.
3. PROVIDE FASTENERS CONFORMING WITH WALLBOARD AND FRAMING MANUFACTURER'S WRITTEN RECOMMENDATIONS FOR APPLICATION. PROVIDE INSTALLATION IN CONFORMANCE WITH ASTM C 754.
4. PROVIDE TYPE 1 SOUND ATTENUATION BLANKETS WHERE INSULATION IS INDICATED ON DRAWINGS.
5. PROVIDE ASTM C 840, LEVEL 4 FINISH TO ALL WALLBOARD SURFACES EXPOSED TO VIEW, UNLESS NOTED OTHERWISE. PROVIDE LEVEL 1 FINISH TO CONCEALED AREAS.

**SECTION 09511:**

**ACOUSTIC PANEL CEILINGS:**

1. PROVIDE 24X48X3/4 INCH MINERAL BASE PANELS WITH REVEAL EDGE, FISSURED PATTERN AND WHITE PAINTED FINISH EQUAL TO ARMSTRONG "FINE FISSURED SECOND LOOK."
2. PROVIDE DIRECT HUNG, WIDE-FACE INTERMEDIATE DUTY, DOUBLE-WEB CAPPED STEEL SUSPENSION SYSTEM WITH PAINTED FINISH. PROVIDE ACCESSORIES AS RECOMMENDED BY MANUFACTURER, AND ASTM C 636.

**SECTION 09650:**

**RESILIENT VINYL TILE FLOORING:**

1. PROVIDE ASTM F 1066, CLASS 2, 12X12X1/8 INCH, SMOOTH SURFACED, VINYL COMPOSITION FLOOR TILE, EQUAL TO ARMSTRONG, STANDARD EXCELON, COLOR AS SELECTED BY OWNER.
2. PROVIDE ASTM F 1861, 4 INCH HIGH, GROUP 1, COVE STYLE VINYL WALL BASE WITH JOB FORMED CORNERS, COLOR AS SELECTED BY OWNER.
3. PROVIDE PORTLAND CEMENT BASED LEVELING AND PATCHING COMPOUND, AND WATER-RESISTANT ADHESIVES OF TYPE RECOMMENDED BY TILE AND BASE MANUFACTURERS.
4. INSTALL TILE OVER SOUND, CLEAN, SMOOTH SUBSTRATE IN ALTERNATING "CHECKERBOARD" PATTERN.
5. CLEAN AND POLISH RESILIENT TILE AFTER INSTALLATION. COORDINATE SELECTION OF FLOOR POLISH WITH OWNER'S MAINTENANCE STAFF.

**SECTION 09684:**

**SHEET CARPET:**

1. PROVIDE DIRECT GLUE DOWN, NYLON, LEVEL LOOP CARPET SUITABLE FOR MODERATE TRAFFIC SERVICE INCLUDING PORTLAND CEMENT BASED LEVELING AND PATCHING COMPOUND, ADHESIVES, EDGE GUARDS, AND OTHER ACCESSORIES AS MAY BE RECOMMENDED BY CARPET MANUFACTURER. CARPET TO BE EQUAL TO DIPLOMA AS MANUFACTURED BY BIGELOW COMMERCIAL. COLOR AS SELECTED BY OWNER.

**SECTION 09910:**

**PAINTING:**

1. PROVIDE SURFACE PREPARATION AND PAINT FOR INTERIOR SURFACES AS SCHEDULED. PROVIDE COMPATIBLE, FIRST GRADE, PROFESSIONAL LINE PRIMER AND FINISH PRODUCTS FROM EITHER BENJAMIN MOORE OR SHERWIN WILLIAMS. PROVIDE SAMPLES OF FULL RANGE OF MANUFACTURER'S COLOR AND FINISH OPTIONS FOR OWNER SELECTION.
 

PROVIDE PAINT AS FOLLOWS:

  - A. GYPSUM DRYWALL:
    - 1 COAT LATEX PRIMER, AND TWO COATS LATEX PEARL FINISH.
  - B. FERROUS METALS:
    - 1 COAT RUST INHIBITING PRIMER, AND TWO COATS LATEX SEMI-GLOSS ENAMEL FINISH.

**SECTION 10440:**

**INTERIOR SIGNAGE:**

1. PROVIDE UNFRAMED, PLASTIC, RAISED LETTER SIGNAGE AT ENTRANCE TO EACH ROOM IDENTIFYING ROOM NAME AND NUMBER. SIGNAGE SHALL COMPLY WITH ADAAG REQUIREMENTS FOR HANDICAPPED ACCESSIBILITY. COORDINATE FINAL ROOM NAMES AND NUMBERS WITH OWNER.

**SECTION 10810:**

**TOILET ACCESSORIES:**

1. PROVIDE TOILET ACCESSORIES EQUAL TO THOSE MANUFACTURED BY BOBRICK WASHROOM EQUIPMENT AS FOLLOWS:
  - A. MIRROR: B-290
  - B. SOAP DISPENSER: B-111
  - C. RECESSED PAPER TOWEL DISPENSER: B-362
  - D. TOILET TISSUE DISPENSER: B-7696
  - E. 42 INCH AND 36 INCH FIXED GRAB BAR: B-550 SERIES
2. INSTALL ACCESSORIES IN ACCORDANCE WITH ADAAG REQUIREMENTS FOR HANDICAPPED ACCESSIBILITY. SECURELY FASTEN ACCESSORIES TO SOLID, IN-WALL WOOD BLOCKING.

**GENERAL NOTES:**

1. SEE G1001 FOR PROJECT GENERAL NOTES.

**SPECIFICATIONS NOTES:**

1. ALL MATERIALS AND EQUIPMENT SHALL BE HANDLED, STORED, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. COORDINATE THE WORK OF ALL SECTIONS. PROVIDE INSERTS AND TEMPLATES AS MAY BE REQUIRED FOR PROPER INSTALLATION OF WORK. INSTALL ALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. INSTALL WORK PLUMB AND LEVEL WITH UNIFORM APPEARANCE.
3. PROTECT ALL STORED MATERIALS AND WORK FROM DAMAGE.

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PROJECT TITLE:  
**USM COMMUNITY EDUCATION CENTER  
 LOWER LEVEL FIT-UP**  
 PORTLAND, MAINE

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**A1 MATERIAL SPECIFICATIONS**

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