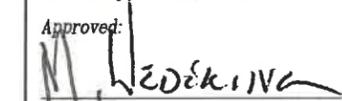


Plans developed for:  
**STATE OF ALASKA**  
 Department of Natural Resources  
 Division of Parks & Outdoor Recreation  
 550 W 7th Ave. Suite 1340, Anchorage, AK 99501  
 State Project No. 71043-2

Recommended:  
  
 P. Miranda, P.E.  
 Chief, Design and Construction  
 Date: 3/5/2026

Approved:  
  
 M. Gease  
 Director, Alaska State Parks  
 Date: 3/5/26



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### LOCATION MAP



### VICINITY MAP



### PROJECT DESCRIPTION

THIS PROJECT IS LOCATED AT 1400 ABERCROMBIE DRIVE, KODIAK ALASKA. IT INCLUDES CODE REQUIRED UPGRADES TO THE EXISTING RANGER STATION AND RANGER APARTMENT.  
 FIRST FLOOR WORK INCLUDES THE MODIFICATION OF THE EXISTING RESTROOM FOR ADA COMPLIANCE AND A NON-COMPLIANT SHOWER FOR STAFF USE AND REPLACEMENT OF WINDOWS. THE NEW WALL OF THE RESTROOM WILL INCLUDE CONNECTIONS FOR A NEW WASHER, DRYER AND RELOCATED REFRIGERATOR. FUEL FIRED BOILER AND WATER HEATER ARE BEING CONVERTED TO ELECTRIC WITH CORRESPONDING SERVICE AND METER UPGRADES TO MATCH.  
 SECOND FLOOR REPAIRS INCLUDE WINDOW REPLACEMENT AND RENOVATION OF EXISTING RESTROOMS AND KITCHEN.  
 ADD ALTERNATE 1: NEW FLOORING AND REPLACE BASEBOARD HEATER COVERS.  
 ADD ALTERNATE 2: TO PAINT ALL WALLS.

### CODE SUMMARY

CITY OF KODIAK, DEPT OF BUILDING SAFETY ADOPTED CODES  
 2021 IEBC, 2021 IMC, 2020 NEC, 2018 UPC  
 NO EXISTING DRAWINGS OR PREVIOUS CODE STUDIES ARE AVAILABLE

**ASSUMED TYPE V CONSTRUCTION**  
 NO SPRINKLER SYSTEM

LEVEL 1 - B OCCUPANCY, 972 SF  
 LEVEL 2 - R-3 OCCUPANCY, 972 SF  
 TOTAL AREA: 1,944 SF

**PER IEBC THE WORK IS A LEVEL 2 ALTERATION. WINDOW REPLACEMENT FALLS UNDER LEVEL 1 ALTERATION.**  
 702.5 - WINDOWS REPLACED IN-KIND WITH NO REDUCTION IN OPENING SIZE. AWNING OPERATION OF BOTTOM SASH IS UNCHANGED FROM EXISTING CONDITION BUT COMPLIES WITH SECTION 702.4.  
 802 - NO VERTICAL OPENINGS EXIST IN CURRENT BUILDING.  
 803 - NO SPRINKLER SYSTEM EXISTS OR IS BEING PROVIDED. EXISTING GYPSUM CEILING TO REMAIN AS IS WITH MINOR REPAIR BETWEEN FLOORS  
 804 - NO MEANS OF EGRESS ARE BEING MODIFIED  
 805 - NO STRUCTURAL ELEMENTS ARE BEING MODIFIED  
 806 - NEW ELECTRICAL PER NFPA 70  
 907.806 - NEW HEATING PER 2021 IMC, PLUMBING PER 2018 UPC  
 809 - ENERGY CONSERVATION NOT APPLICABLE

OWNER

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**DEPARTMENT OF NATURAL RESOURCES**  
**FT. ABERCROMBIE RANGER STATION**

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CONSTRUCTION DOCUMENTS  
 ISSUE DATE: 02.11.2026

**ECI**

821 N St, Ste 201  
 ANCHORAGE, ALASKA 99501 907.561.5543  
 PROJECT NO. 24-003.00

**G0.00**

## ABBREVIATIONS

ABV	ABOVE	GA	GAUGE	STD	STANDARD
AFF	ABOVE FINISH FLOOR	GALV	GALVANIZED	STL	STEEL
ALT	ALTERNATE	GB	GRAB BAR	STRUCT	STRUCTURAL
ARCH	ARCHITECTURAL	GWB	GYPSUM WALL BOARD	TBD	TO BE DETERMINED
BD	BOARD	GYP	GYPSUM WALL BOARD	TOB	TOP OF BEAM
BLDG	BUILDING	HR	HOUR	TOC	TOP OF CONCRETE
BLK	BLOCK	HT	HEIGHT	TOS	TOP OF STEEL
BLW	BELOW	ID	INSIDE DIAMETER	TPD	TOILET PAPER DISPENSER
BO	BOTTOM OF	INCL	INCLUDE, INCLUDED	TYP	TYPICAL
BOF	BOTTOM OF FINISH	INSUL	INSULATION	UL	UNDERWRITERS LABORATORY CERTIFIED
CIP	CAST IN PLACE	INT	INTERIOR	UNFIN	UNFINISHED
CF	CUBIC FOOT	LH	LEFT HAND	UNO	UNLESS NOTED OTHERWISE
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED	MAX	MAXIMUM	VIF	VERIFY IN FIELD
CL	CENTERLINE	MFR	MANUFACTURER	WC	WATER CLOSET
CONC	CONCRETE	MIN	MINIMUM	WD	WOOD
CONT	CONTINUOUS	MIR	MIRROR		
CTR	CENTER	MTL	METAL		
DEMO	DEMOLITION	NA	NOT APPLICABLE		
DIA	DIAMETER	NIC	NOT IN CONTRACT		
DIM	DIMENSION	OD	OUTSIDE DIAMETER		
DWG	DRAWING	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED		
E	EAST, (EXISTING)	OFOI	OWNER FURNISHED OWNER INSTALLED		
EA	EACH	OH	OVERHEAD		
EL	ELEVATION	PERF	PERFORATED		
ELEC	ELECTRICAL	PLAM	PRESSURE TREATED LAMINATE		
EQ	EQUAL	PLY	PLYWOOD		
EQUIP	EQUIPMENT	PT	PAINT		
FAF	FLUID APPLIED FLOORING	RCP	REFLECTED CEILING PLAN		
FE	FIRE EXTINGUISHER	REBAR/RB	REINFORCING BARS		
FF	FINISHED FLOOR	REF	REFERENCE		
FO	FACE OF	REQD	REQUIRED		
FOC	FACE OF CONCRETE	SCHED	SCHEDULE		
FOF	FACE OF FINISH	SECT	SECTION		
FOS	FACE OF STUD	SF	SQUARE FEET		
FRP	FIBERGLASS REINFORCED PLASTIC	SIM	SIMILAR		
FRT	FIRE RETARDANT TREATED	SND	SANITARY NAPKIN DISPOSAL		
FT	FOOT, FEET	SPEC	SPECIFICATION		
FURR	FURRING	SS	STAINLESS STEEL		

## GENERAL NOTES

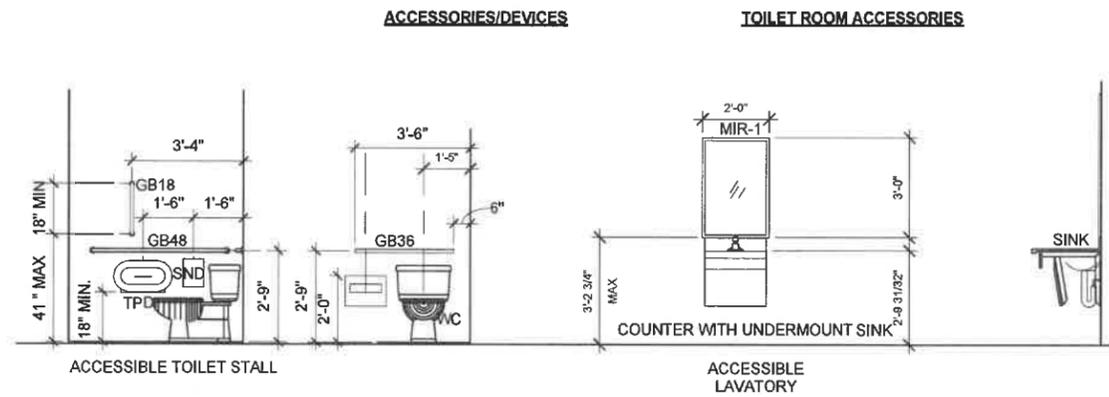
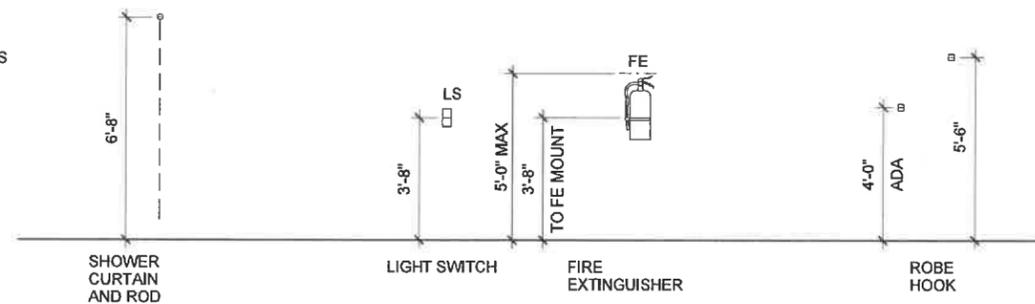
- CONSTRUCTION TO BE IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL BUILDING CODES AND REGULATIONS.
- EXISTING CONDITIONS:
  - CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH CONDITIONS AS SHOWN IN DOCUMENTS.
  - ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED.
  - THE EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON LIMITED AS-BUILTS AND/OR LIMITED ORIGINAL DRAWINGS. IF THE EXISTING CONDITIONS DO NOT CLOSELY MATCH THE CONDITIONS SHOWN ON THE DRAWINGS, OR IF THE EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY THE ARCHITECT PRIOR TO COMMENCING WORK.
  - PROTECT ANY EXISTING CONSTRUCTION FROM DAMAGE AT ALL TIMES DURING WORK.
  - SALVAGE ALL ITEMS THAT ARE TO BE REMOVED BUT NOT REPURPOSED AND THAT ARE IN GOOD CONDITION. SUCH ITEMS TO BE PROTECTED AND DONATED.
- ALL DIMENSIONS ARE TO GRIDLINE OR FACE OF GWB UNLESS OTHERWISE NOTED. "CLR" REFERS TO FACE OF FINISH EACH SIDE.
- WORK AREAS TO BE LEFT CLEAN AND FREE OF ANY DEBRIS AT THE END OF EACH SHIFT.
- PROVIDE CONCEALED FRAMING WHERE HEIGHT EXCEEDS LIMITING HEIGHT OF STUD SIZE.
- PROVIDE BACKING AS REQUIRED FOR CASEWORK AND OTHER ITEMS THAT ARE WALL SUPPORTED.
- SEE MECHANICAL AND PLUMBING DRAWINGS FOR LOCATION AND TYPE OF PLUMBING FIXTURES.
- IN CASE OF A CONFLICT IN THE DOCUMENTS, THE CONTRACTOR SHALL ASSUME THE GREATER VALUE OF SUCH CIRCUMSTANCES.
- DOORS ROUGH OPENING SHALL BE LOCATED 6" FROM ADJACENT WALL FINISH UNLESS NOTED OTHERWISE.

## MATERIALS

	CONCRETE (SECTION)
	EARTH (SECTION)
	FINISH CARPENTRY (SECTION)
	GYPSUM BOARD (SECTION)
	INSULATION, BATT (PLAN & SECTION)
	INSULATION, RIGID (PLAN & SECTION)
	MINERAL WOOD INSULATION (PLAN & SECTION)
	METAL (SECTION)
	FILL (SECTION)
	PLYWOOD (SECTION)
	WOOD, CONTINUOUS (SECTION)
	WOOD, BLOCKING (SECTION)
	STONE (PLAN)

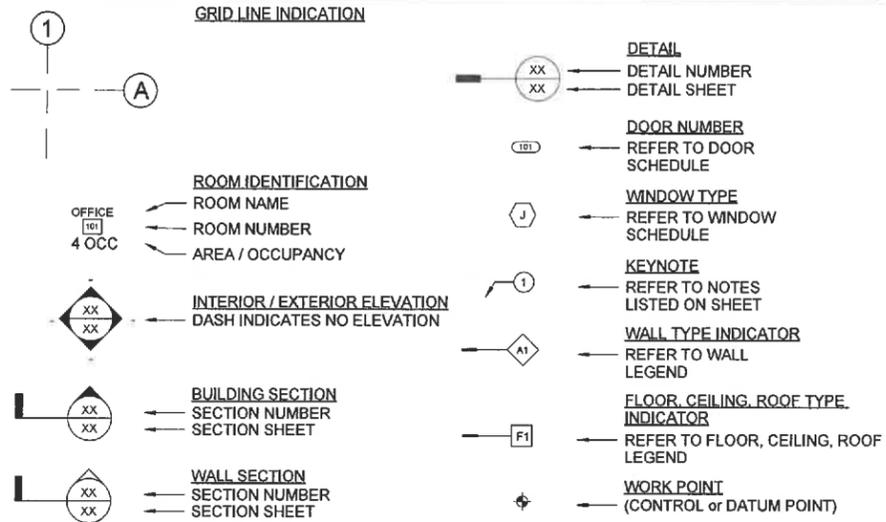
## MOUNTING HEIGHT NOTES

- PROVIDE SOLID BACKING FOR ALL ACCESSORIES.
- ELEVATIONS SHOWN HEREIN REPRESENT TYPICAL REQUIREMENTS.
- INSTALLATION OF ALL SANITARY FACILITIES ACCESSIBLE TO THE DISABLED SHALL COMPLY WITH THIS DETAIL & APPLICABLE REGULATORY REQUIREMENTS.



ADA MOUNTING HEIGHTS - RESTROOMS  
3/8" = 1'-0"

## SYMBOLS



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ECI ARCHITECTURE DESIGN STRATEGY  
821 N STREET, SUITE 201  
ANCHORAGE, ALASKA 99501 907.561.5543  
PROJECT NO. 24-003.00

FT. ABERCROMBIE RANGER STATION

CONSTRUCTION DOCUMENTS



## GENERAL INFO

AUTHOR: DRS  
REVISION: CHECKED: DRS  
ISSUE DATE: 02.11.2026  
OWNER CONTRACT:

G1.01

FULL SIZE PRINTED ON 22 x 34

# SPECIFICATIONS

## SECTION 02 41 00 DEMOLITION

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. BUILDING DEMOLITION EXCLUDING REMOVAL OF HAZARDOUS MATERIALS AND TOXIC SUBSTANCES.
- B. SELECTIVE DEMOLITION OF BUILT SITE ELEMENTS.
- C. SELECTIVE DEMOLITION OF UTILITY ELEMENTS.

#### 1.02 REFERENCE STANDARDS

- A. 29 CFR 1926 - SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION; CURRENT EDITION.
- B. NFPA 241 - STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS; 2022, WITH ERRATA (2021).

#### 1.03 DEFINITIONS

- A. REMOVE (ALSO LABELED DEMO OR DEMOLISH ON PLANS): DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.
- B. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION, IN A MANNER TO PREVENT DAMAGE, AND DELIVER TO OWNER READY FOR REUSE OR STORE AS DIRECTED BY THE OWNER.

#### 1.04 SUBMITTALS

- A. DEMOLITION PLAN: SUBMIT DEMOLITION PLAN AS REQUIRED BY OSHA AND LOCAL AHJS.
  - 1. INCLUDE DETAILS ON SEQUENCE OF WORK AND PROTECTION OF BUILDING INTERIOR DURING DEMOLITION.
- B. PROJECT RECORD DOCUMENTS: ACCURATELY RECORD ACTUAL LOCATIONS OF CAPPED AND ACTIVE UTILITIES AND SUBSURFACE CONSTRUCTION.

#### 1.05 FIELD CONDITIONS

- A. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRACTICAL.
- B. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND DRAWINGS BEFORE PROCEEDING WITH SELECTIVE DEMOLITION.
- C. HAZARDOUS MATERIALS: SEE HAZARDOUS MATERIALS REPORT.
  - 1. IF ADDITIONAL SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ARCHITECT AND OWNER.
  - 2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL HAZARDOUS MATERIALS AS REQUIRED BY OSHA AND EPA, AND ANY ADDITIONAL REQUIREMENTS BY THE AHJ.
- D. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE IS NOT PERMITTED.
- E. UTILITY SERVICE: MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
  - 1. MAINTAIN FIRE-PROTECTION FACILITIES IN SERVICE DURING SELECTIVE DEMOLITION OPERATIONS UNTIL REQUIRED MODIFICATIONS ARE .

### PART 2 PRODUCTS

#### 2.01 PERFORMANCE REQUIREMENTS

- A. REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION, COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- B. STANDARDS: COMPLY WITH THE FOLLOWING:
  - 1. ANS/ASSP A10.6 - SAFETY AND HEALTH REQUIREMENTS FOR DEMOLITION OPERATIONS.
  - 2. NFPA 241 - STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS.

### PART 3 EXECUTION

#### 3.01 DEMOLITION

- A. REMOVE PORTIONS OF THE EXISTING BUILDING AS INDICATED AND AS REQUIRED TO PREPARE FOR NEW WORK.
- B. REMOVE OTHER ITEMS INDICATED.

#### 3.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. COMPLY WITH APPLICABLE CODES AND REGULATIONS FOR DEMOLITION OPERATIONS AND SAFETY OF ADJACENT STRUCTURES AND THE PUBLIC.
  - 1. OBTAIN REQUIRED PERMITS.
  - 2. COMPLY WITH APPLICABLE REQUIREMENTS OF NFPA 241.
  - 3. USE OF EXPLOSIVES IS NOT PERMITTED.
  - 4. TAKE PRECAUTIONS TO PREVENT CATASTROPHIC OR UNCONTROLLED COLLAPSE OF STRUCTURES TO BE REMOVED; DO NOT ALLOW WORKER OR PUBLIC ACCESS WITHIN RANGE OF POTENTIAL COLLAPSE OF UNSTABLE STRUCTURES.
  - 5. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
  - 6. USE PHYSICAL BARRIERS TO PREVENT ACCESS TO AREAS THAT COULD BE HAZARDOUS TO WORKERS OR THE PUBLIC.
  - 7. CONDUCT OPERATIONS TO MINIMIZE EFFECTS ON AND INTERFERENCE WITH ADJACENT STRUCTURES AND OCCUPANTS.
  - 8. DO NOT CLOSE OR OBSTRUCT ROADWAYS OR SIDEWALKS WITHOUT PERMITS FROM AUTHORITY HAVING JURISDICTION.
  - 9. CONDUCT OPERATIONS TO MINIMIZE OBSTRUCTION OF PUBLIC AND PRIVATE ENTRANCES AND EXITS. DO NOT OBSTRUCT REQUIRED EXITS AT ANY TIME. PROTECT PERSONS USING ENTRANCES AND EXITS FROM REMOVAL OPERATIONS.
- B. DO NOT BEGIN REMOVAL UNTIL BUILT ELEMENTS TO BE SALVAGED OR RELOCATED HAVE BEEN REMOVED.
- C. PROTECT EXISTING STRUCTURES AND OTHER ELEMENTS TO REMAIN IN PLACE AND NOT REMOVED.
  - 1. PROVIDE BRACING AND SHORING AS REQUIRED.
  - 2. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES.
  - 3. STOP WORK IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER.
- D. MINIMIZE PRODUCTION OF DUST DUE TO DEMOLITION OPERATIONS. DO NOT USE WATER IF THAT WILL RESULT IN ICE, FLOODING, SEDIMENTATION OF PUBLIC WATERWAYS OR STORM SEWERS, OR OTHER POLLUTION.

#### 3.03 EXAMINATION

- A. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE STARTING SELECTIVE DEMOLITION OPERATIONS.
- B. REVIEW PROJECT RECORD DOCUMENTS OF EXISTING CONSTRUCTION OR OTHER EXISTING CONDITION AND HAZARDOUS MATERIAL INFORMATION PROVIDED BY OWNER. OWNER DOES NOT GUARANTEE THAT EXISTING CONDITIONS ARE SAME AS THOSE INDICATED IN PROJECT RECORD DOCUMENTS.
- C. SURVEY OF EXISTING CONDITIONS: RECORD EXISTING CONDITIONS BY USE OF PRECONSTRUCTION PHOTOGRAPHS OR VIDEO.
  - 1. INVENTORY AND RECORD THE CONDITION OF ITEMS TO BE REMOVED AND SALVAGED. PROVIDE PHOTOGRAPHS OR VIDEO OF CONDITIONS THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY SALVAGE OPERATIONS.

#### 3.04 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. EXISTING SERVICES/SYSTEMS TO REMAIN: MAINTAIN SERVICES/SYSTEMS INDICATED TO REMAIN AND PROTECT THEM AGAINST DAMAGE.

- B. EXISTING SERVICES/SYSTEMS TO BE REMOVED, RELOCATED, OR ABANDONED: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS SERVING AREAS TO BE SELECTIVELY DEMOLISHED.

- 1. ARRANGE TO SHUT OFF UTILITIES WITH UTILITY COMPANIES. - VERIFY PREFERENCE WITH OWNER ON TIMING AND COMMUNICATION WITH UTILITY COMPANY.
- 2. IF SERVICES/SYSTEMS ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, PROVIDE TEMPORARY SERVICES/SYSTEMS THAT BYPASS AREA OF SELECTIVE DEMOLITION AND THAT MAINTAIN CONTINUITY OF SERVICES/SYSTEMS TO OTHER PARTS OF BUILDING.
- 3. DISCONNECT, DEMOLISH, AND REMOVE PLUMBING AND HVAC SYSTEMS, EQUIPMENT, AND COMPONENTS INDICATED ON DRAWINGS TO BE REMOVED.
  - a. PIPING TO BE REMOVED: REMOVE PORTION OF PIPING INDICATED TO BE REMOVED AND CAP OR PLUG REMAINING PIPING WITH SAME OR COMPATIBLE PIPING MATERIAL.
  - b. PIPING TO BE ABANDONED IN PLACE: DRAIN PIPING AND CAP OR PLUG PIPING WITH SAME OR COMPATIBLE PIPING MATERIAL AND LEAVE IN PLACE WITH IDENTIFYING TAG.
- C. EQUIPMENT TO BE REMOVED: DISCONNECT AND CAP SERVICES AND REMOVE EQUIPMENT.
- D. EQUIPMENT TO BE REMOVED AND REINSTALLED: DISCONNECT AND CAP SERVICES AND REMOVE, CLEAN, AND STORE EQUIPMENT, WHEN APPROPRIATE, REINSTALL, RECONNECT, AND MAKE EQUIPMENT OPERATIONAL.
- E. EQUIPMENT TO BE REMOVED AND SALVAGED: DISCONNECT AND CAP SERVICES AND REMOVE EQUIPMENT AND DELIVER TO OWNER.
- F. DUCTS TO BE REMOVED: REMOVE PORTION OF DUCTS INDICATED TO BE REMOVED AND PLUG REMAINING DUCTS WITH SAME OR COMPATIBLE DUCTWORK MATERIAL.
- G. DUCTS TO BE ABANDONED IN PLACE: CAP OR PLUG DUCTS WITH SAME OR COMPATIBLE DUCTWORK MATERIAL AND LEAVE IN PLACE.

#### 3.05 PROTECTION

- A. TEMPORARY PROTECTION: PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT SPACES AND FACILITIES TO REMAIN.
  - 1. PROVIDE PROTECTION TO ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA AND TO AND FROM OCCUPIED PORTIONS OF BUILDING.
  - 2. PROVIDE TEMPORARY WEATHER PROTECTION, DURING INTERVAL BETWEEN SELECTIVE DEMOLITION OF EXISTING CONSTRUCTION ON EXTERIOR SURFACES AND NEW CONSTRUCTION, TO PREVENT WATER LEAKAGE AND DAMAGE TO STRUCTURE AND INTERIOR AREAS.
  - 3. PROTECT WALLS, CEILINGS, FLOORS, AND OTHER EXISTING FINISH WORK THAT ARE TO REMAIN OR THAT ARE EXPOSED DURING SELECTIVE DEMOLITION OPERATIONS.
  - 4. COVER AND PROTECT FURNITURE, FURNISHINGS, AND EQUIPMENT THAT HAVE NOT BEEN REMOVED.

#### 3.06 SELECTIVE DEMOLITION, GENERAL

- A. DRAWINGS SHOWING EXISTING CONSTRUCTION AND UTILITIES ARE BASED ON CASUAL OBSERVATION AND ORIGINAL CONSTRUCTION DRAWINGS.
  - 1. VERIFY THAT CONSTRUCTION AND UTILITY ARRANGEMENTS ARE AS INDICATED.
  - 2. REPORT DISCREPANCIES TO ARCHITECT BEFORE DISTURBING EXISTING INSTALLATION.
  - 3. BEGINNING OF DEMOLITION WORK CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS THAT WOULD BE APPARENT UPON EXAMINATION PRIOR TO STARTING DEMOLITION.
  - 4. SEPARATE AREAS IN WHICH DEMOLITION IS BEING CONDUCTED FROM OTHER AREAS THAT ARE STILL OCCUPIED WITH FURNISHINGS OR FINISHES TO REMAIN.
  - 5. PROVIDE, ERECT, AND MAINTAIN TEMPORARY DUSTPROOF PARTITIONS DURING CONSTRUCTION.
- B. GENERAL: DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:
  - 1. PROCEED WITH SELECTIVE DEMOLITION SYSTEMATICALLY, FROM HIGHER TO LOWER LEVEL. COMPLETE SELECTIVE DEMOLITION OPERATIONS ABOVE EACH FLOOR OR TIER BEFORE DISTURBING SUPPORTING MEMBERS ON THE NEXT LOWER LEVEL.
  - 2. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHIPPING. TEMPORARILY COVER OPENINGS TO REMAIN.
  - 3. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES TO AVOID MARRING EXISTING FINISHED SURFACES.
  - 4. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. AT CONCEALED SPACES, SUCH AS DUCT AND PIPE INTERIORS, VERIFY CONDITION AND CONTENTS OF HIDDEN SPACE BEFORE STARTING FLAME-CUTTING OPERATIONS. MAINTAIN PORTABLE FIRE-SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.
  - 5. MAINTAIN FIRE WATCH DURING AND FOR AT LEAST 2 HOURS AFTER FLAME-CUTTING OPERATIONS.
  - 6. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES.
  - 7. REMOVE DECAYED, VERMIN-INFESTED, OR OTHERWISE DANGEROUS OR UNSUITABLE MATERIALS AND PROMPTLY DISPOSE OF OFF-SITE.
  - 8. LOCATE SELECTIVE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.
- C. SITE ACCESS AND TEMPORARY CONTROLS: CONDUCT SELECTIVE DEMOLITION AND DEBRIS-REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
  - 1. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, WALKWAYS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFICWAYS IF REQUIRED BY AUTHORITIES HAVING JURISDICTION.
  - 2. USE WATER MIST AND OTHER SUITABLE METHODS TO LIMIT SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL-PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE ADJACENT CONSTRUCTION OR CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS, SUCH AS ICE, FLOODING, AND POLLUTION.
- D. REMOVED AND REINSTALLED ITEMS:
  - 1. CLEAN AND REPAIR ITEMS TO FUNCTIONAL CONDITION ADEQUATE FOR INTENDED REUSE.
  - 2. PROTECT ITEMS FROM DAMAGE DURING TRANSPORT AND STORAGE.
  - 3. REINSTALL ITEMS IN LOCATIONS INDICATED. COMPLY WITH INSTALLATION REQUIREMENTS FOR NEW MATERIALS AND EQUIPMENT. PROVIDE CONNECTIONS, SUPPORTS, AND MISCELLANEOUS MATERIALS NECESSARY TO MAKE ITEM FUNCTIONAL FOR USE INDICATED.
- E. EXISTING ITEMS TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION. WHEN PERMITTED BY OWNER, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING SELECTIVE DEMOLITION AND CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS AFTER SELECTIVE DEMOLITION OPERATIONS ARE COMPLETE.

#### 3.07 DISPOSAL OF DEMOLISHED MATERIALS

- A. REMOVE DEMOLITION WASTE MATERIALS FROM PROJECT SITE AND DISPOSE OF THEM IN AN EPA-APPROVED CONSTRUCTION AND DEMOLITION WASTE LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
  - 1. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
  - 2. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
  - 3. REMOVE DEBRIS FROM ELEVATED PORTIONS OF BUILDING BY CHUTE, HOIST, OR OTHER DEVICE THAT WILL CONVEY DEBRIS TO GRADE LEVEL IN A CONTROLLED DESCENT.
- B. BURNING: DO NOT BURN DEMOLISHED MATERIALS.

#### 3.08 CLEANING

- A. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE SELECTIVE DEMOLITION OPERATIONS BEGAN.
  - 1. CLEAN ROADWAYS AND PARKING AREAS OF DEBRIS CAUSED BY DEBRIS TRANSPORT.

#### 3.09 REPAIRS

- A. PROMPTLY REPAIR DAMAGE TO ADJACENT BUILDINGS, ROADWAYS, AND ANY SITE ELEMENTS CAUSED BY DEMOLITION OPERATIONS.

#### 3.10 EXISTING UTILITIES

- A. COORDINATE WORK WITH UTILITY COMPANIES. NOTIFY UTILITIES BEFORE STARTING WORK, COMPLY WITH THEIR REQUIREMENTS, AND OBTAIN REQUIRED PERMITS.
- B. PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE.
- C. DO NOT DISRUPT PUBLIC UTILITIES WITHOUT PERMIT FROM AUTHORITY HAVING JURISDICTION.
- D. DO NOT CLOSE, SHUT OFF, OR DISRUPT EXISTING LIFE SAFETY SYSTEMS THAT ARE IN USE WITHOUT AT LEAST 7 DAYS PRIOR WRITTEN NOTIFICATION TO OWNER.
- E. DO NOT CLOSE, SHUT OFF, OR DISRUPT EXISTING UTILITY BRANCHES OR TAKE-OFFS THAT ARE IN USE WITHOUT AT LEAST 3 DAYS PRIOR WRITTEN NOTIFICATION TO OWNER.
- F. LOCATE AND MARK UTILITIES TO REMAIN, MARK USING HIGHLY VISIBLE TAGS OR FLAGS, WITH IDENTIFICATION OF UTILITY TYPE; PROTECT FROM DAMAGE DUE TO SUBSEQUENT CONSTRUCTION, USING SUBSTANTIAL BARRICADES IF NECESSARY.
- G. REMOVE EXPOSED PIPING, VALVES, METERS, EQUIPMENT, SUPPORTS, AND FOUNDATIONS OF DISCONNECTED AND ABANDONED UTILITIES.
- H. PREPARE BUILDING DEMOLITION AREAS BY DISCONNECTING AND CAPPING UTILITIES OUTSIDE THE DEMOLITION ZONE. IDENTIFY AND MARK, IN SAME MANNER AS OTHER UTILITIES TO REMAIN, UTILITIES TO BE RECONNECTED.

#### 3.11 SELECTIVE DEMOLITION FOR ALTERATIONS

- A. EXISTING CONSTRUCTION AND UTILITIES INDICATED ON DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION AND EXISTING RECORD DOCUMENTS ONLY.
  - 1. VERIFY CONSTRUCTION AND UTILITY ARRANGEMENTS ARE AS INDICATED.
  - 2. REPORT DISCREPANCIES TO ARCHITECT BEFORE DISTURBING EXISTING INSTALLATION.
  - 3. BEGINNING OF DEMOLITION WORK CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS THAT WOULD BE APPARENT UPON EXAMINATION PRIOR TO STARTING DEMOLITION.
- B. SEPARATE AREAS IN WHICH DEMOLITION IS BEING CONDUCTED FROM OTHER AREAS THAT ARE STILL OCCUPIED WITH FURNISHINGS OR FINISHES TO REMAIN.
  - 1. PROVIDE, ERECT, AND MAINTAIN TEMPORARY DUSTPROOF PARTITIONS DURING CONSTRUCTION.
- C. MAINTAIN WEATHERPROOF EXTERIOR BUILDING ENCLOSURE, EXCEPT FOR INTERRUPTIONS REQUIRED FOR REPLACEMENT OR MODIFICATIONS; PREVENT WATER AND HUMIDITY DAMAGE.
  - 1. COORDINATE INTERRUPTIONS WITH WEATHER FORECAST.
  - a. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE WEATHERPROOF ENCLOSURE AND PROTECT INTERIOR OF THE BUILDING FROM DAMAGE REGARDLESS OF THE WEATHER.
- D. REMOVE EXISTING WORK AS INDICATED AND REQUIRED TO ACCOMPLISH NEW WORK.
  - 1. REMOVE ROTTED WOOD, CORRODED METALS, AND DETERIORATED MASONRY AND CONCRETE; REPLACE WITH NEW CONSTRUCTION INDICATED.
  - 2. REMOVE ITEMS INDICATED ON DRAWINGS.
- E. PROTECT EXISTING WORK TO REMAIN.
  - 1. PREVENT MOVEMENT OF STRUCTURE. PROVIDE SHORING AND BRACING AS REQUIRED.
  - 2. PERFORM CUTTING TO ACCOMPLISH REMOVAL WORK NEATLY AND AS SPECIFIED FOR CUTTING NEW WORK.
  - 3. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING REMOVAL WORK.
  - 4. PATCH TO MATCH NEW WORK AND MATCH TO EXISTING SURROUNDING CONDITIONS.

#### 3.12 DEBRIS AND WASTE REMOVAL

- A. REMOVE DEBRIS, JUNK, AND TRASH FROM SITE.
- B. REMOVE FROM SITE ALL MATERIALS NOT TO BE REUSED ON SITE; DO NOT BURN OR BURY.
- C. LEAVE SITE IN CLEAN CONDITION, READY FOR SUBSEQUENT WORK.
- D. CLEAN UP SPILLAGE AND WIND-BLOWN DEBRIS FROM JOBSITE AND PUBLIC AND PRIVATE LANDS.

END OF SECTION 02 41 00

### SECTION 06 10 00 ROUGH CARPENTRY

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. NONSTRUCTURAL DIMENSION LUMBER FRAMING.

#### 1.02 RELATED REQUIREMENTS

- A. SECTION 09 21 16 - GYPSUM BOARD ASSEMBLIES: GYPSUM-BASED SHEATHING.

#### 1.03 REFERENCE STANDARDS

- A. ASTM A153/A153M - STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE; 2016A.
- B. PS 20 - AMERICAN SOFTWOOD LUMBER STANDARD; 2025.

#### 1.04 DELIVERY, STORAGE, AND HANDLING

- A. GENERAL: COVER WOOD PRODUCTS TO PROTECT AGAINST MOISTURE. SUPPORT STACKED PRODUCTS TO PREVENT DEFORMATION AND TO ALLOW AIR CIRCULATION.

### PART 2 PRODUCTS

#### 2.01 GENERAL REQUIREMENTS

- A. DIMENSION LUMBER: COMPLY WITH PS 20 AND REQUIREMENTS OF SPECIFIED GRADING AGENCIES.
  - 1. SPECIES: DOUGLAS FIR-LARCH, UNLESS OTHERWISE INDICATED.
  - 2. LUMBER OF OTHER SPECIES OR GRADES IS ACCEPTABLE PROVIDED STRUCTURAL AND APPEARANCE CHARACTERISTICS ARE EQUIVALENT TO OR BETTER THAN PRODUCTS SPECIFIED.

#### 2.02 DIMENSION LUMBER FOR CONCEALED APPLICATIONS

- A. SIZES: NOMINAL SIZES AS INDICATED ON DRAWINGS, S4S.
- B. MOISTURE CONTENT: S-DRY OR MC19.
- C. STUD FRAMING (2 BY 2 THROUGH 2 BY 6):
  - 1. SPECIES: ALLOWED UNDER REFERENCED GRADING RULES.
  - 2. GRADE: NO. 2.

#### 2.03 ACCESSORIES

- A. FASTENERS AND ANCHORS:
  - 1. METAL AND FINISH: HOT-DIPPED GALVANIZED STEEL COMPLYING WITH ASTM A153/A153M FOR HIGH HUMIDITY AND PRESERVATIVE-TREATED WOOD LOCATIONS, UNFINISHED STEEL ELSEWHERE.
  - 2. DRYWALL SCREWS: BUGLE HEAD, HARDENED STEEL, POWER DRIVEN TYPE, LENGTH THREE TIMES THICKNESS OF SHEATHING.

### PART 3 EXECUTION

#### 3.01 INSTALLATION - GENERAL

- A. SELECT MATERIAL SIZES TO MINIMIZE WASTE.
- B. REUSE SCRAP TO THE GREATEST EXTENT POSSIBLE; CLEARLY SEPARATE SCRAP FOR USE ON SITE AS ACCESSORY COMPONENTS, INCLUDING: SHIMS, BRACING, AND BLOCKING.

#### 3.02 BLOCKING, NAILERS, AND SUPPORTS

- A. PROVIDE FRAMING AND BLOCKING MEMBERS AS INDICATED OR AS REQUIRED TO SUPPORT FINISHES, FIXTURES, SPECIALTY ITEMS, AND TRIM.
- B. IN WALLS, PROVIDE BLOCKING ATTACHED TO STUDS AS BACKING AND SUPPORT FOR WALL-MOUNTED ITEMS, UNLESS ITEM CAN BE SECURELY FASTENED TO TWO OR MORE STUDS OR OTHER METHOD OF SUPPORT IS EXPLICITLY INDICATED.
- C. WHERE CEILING-MOUNTING IS INDICATED, PROVIDE BLOCKING AND SUPPLEMENTARY SUPPORTS ABOVE CEILING, UNLESS OTHER METHOD OF SUPPORT IS EXPLICITLY INDICATED.
- D. PROVIDE THE FOLLOWING SPECIFIC NONSTRUCTURAL FRAMING AND BLOCKING:
  - 1. CABINETS AND SHELF SUPPORTS.
  - 2. WALL BRACKETS.
  - 3. GRAB BARS.
  - 4. TOWEL AND BATH ACCESSORIES.
  - 5. WALL PANELING AND TRIM.
  - 6. JOINTS OF RIGID WALL COVERINGS THAT OCCUR BETWEEN STUDS.

#### 3.03 TOLERANCES

- A. FRAMING MEMBERS: 1/4 INCH FROM TRUE POSITION, MAXIMUM.
- B. SURFACE FLATNESS OF FLOOR: 1/8 INCH IN 10 FEET MAXIMUM, AND 1/4 INCH IN 30 FEET MAXIMUM.
- C. VARIATION FROM PLANE, OTHER THAN FLOORS: 1/4 INCH IN 10 FEET MAXIMUM, AND 1/4 INCH IN 30 FEET MAXIMUM.

#### 3.04 CLEANING

- A. WASTE DISPOSAL: SEE SECTION 01 74 19 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL.
  - 1. COMPLY WITH APPLICABLE REGULATIONS.
  - 2. DO NOT BURN SCRAP ON PROJECT SITE.
  - 3. DO NOT BURN SCRAPS THAT HAVE BEEN PRESSURE TREATED.
  - 4. DO NOT SEND MATERIALS TREATED WITH PENTACHLOROPHENOL, CCA, OR ACA TO CO-GENERATION FACILITIES OR "WASTE-TO-ENERGY" FACILITIES.
- B. DO NOT LEAVE WOOD, SHAVINGS, SAWDUST, ETC. ON THE GROUND OR BURIED IN FILL.
- C. PREVENT SAWDUST AND WOOD SHAVINGS FROM ENTERING THE STORM DRAINAGE SYSTEM.

END OF SECTION 06 10 00

### SECTION 06 20 00 FINISH CARPENTRY

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. FINISH CARPENTRY ITEMS.
- B. WOOD DOOR FRAMES, GLAZED FRAMES.
- C. WOOD CASINGS AND MOLDINGS.

#### 1.02 RELATED REQUIREMENTS

- A. SECTION 06 10 00 - ROUGH CARPENTRY: SUPPORT FRAMING, GROUNDS, AND CONCEALED BLOCKING.

#### 1.03 REFERENCE STANDARDS

- A. AWI/AWMA/CWI (AWS) - ARCHITECTURAL WOODWORK STANDARDS, 2ND EDITION; 2014, WITH ERRATA (2016).
- B. AWMA/CWI (NAAWS) - NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS; 2021, WITH ERRATA.
- C. PS 20 - AMERICAN SOFTWOOD LUMBER STANDARD; 2025.

#### 1.04 SUBMITTALS

- A. SEE SECTION 01 30 00 - ADMINISTRATIVE REQUIREMENTS FOR SUBMITTAL PROCEDURES.
- B. SAMPLES: SUBMIT TWO SAMPLES OF WOOD TRIM 6 INCH LONG.

#### 1.05 DELIVERY, STORAGE, AND HANDLING

- A. STORE FINISH CARPENTRY ITEMS UNDER COVER, ELEVATED ABOVE GRADE, AND IN A DRY, WELL-VENTILATED AREA NOT EXPOSED TO HEAT OR SUNLIGHT.
- B. PROTECT FROM MOISTURE DAMAGE.
- C. HANDLE MATERIALS AND PRODUCTS TO PREVENT DAMAGE TO EDGES, ENDS, OR SURFACES.

### PART 2 PRODUCTS

#### 2.01 FINISH CARPENTRY ITEMS

- A. EXTERIOR WOODWORK ITEMS:
  - 1. WINDOW CASINGS AND MOLDINGS: SOFTWOOD; PREPARE FOR PAINT FINISH.
- B. INTERIOR WOODWORK ITEMS:
  - 1. MOLDINGS, BASES, CASINGS, AND MISCELLANEOUS TRIM: MATCH E; PREPARE FOR STAIN FINISH.
  - 2. WINDOW SILLS: CLEAR WHITE PINE; PREPARE FOR PAINT FINISH.

#### 2.02 PLASTIC LAMINATE MATERIALS

#### 2.03 FASTENINGS

- A. FASTENERS FOR EXTERIOR APPLICATIONS: STAINLESS STEEL; LENGTH REQUIRED TO PENETRATE WOOD SUBSTRATE 1-1/2 INCH MINIMUM.

#### 2.04 ACCESSORIES

- A. WOOD FILLER: SOLVENT BASE. TINTED TO MATCH SURFACE FINISH COLOR.

#### 2.05 SITE FINISHING MATERIALS



SHEET SPECIFICATIONS

AUTHOR: JMS  
REVISION:  
ISSUE DATE: 02.11.2026  
OWNER CONTRACT:

CHECKED: JMS

FT. ABERCROMBIE RANGER STATION

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## SPECIFICATIONS

- A. STAIN AND FINISHING MATERIALS: COMPLY WITH AWI/AWMAC/M (AWS) OR AWMAC/WI (NAAWS), UNLESS NOTED OTHERWISE.

### 2.06 FABRICATION

- A. SHOP ASSEMBLE WORK FOR DELIVERY TO SITE, PERMITTING PASSAGE THROUGH BUILDING OPENINGS.
- B. WHEN NECESSARY TO CUT AND FIT ON SITE, PROVIDE MATERIALS WITH AMPLE ALLOWANCE FOR CUTTING. PROVIDE TRIM FOR SCRIBING AND SITE CUTTING.
- C. APPLY PLASTIC LAMINATE FINISH IN FULL UNINTERRUPTED SHEETS CONSISTENT WITH MANUFACTURED SIZES. FIT CORNERS AND JOINTS HAIRLINE; SECURE WITH CONCEALED FASTENERS. SLIGHTLY BEVEL ARISES. LOCATE COUNTER BUTT JOINTS MINIMUM 2 FEET FROM SINK CUT-OUTS.

### 2.07 SHOP FINISHING

- A. APPLY WOOD FILLER IN EXPOSED NAIL AND SCREW INDENTATIONS.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. VERIFY ADEQUACY OF BACKING AND SUPPORT FRAMING.
- B. VERIFY MECHANICAL, ELECTRICAL, AND BUILDING ITEMS AFFECTING WORK OF THIS SECTION ARE PLACED AND READY TO RECEIVE THIS WORK.

#### 3.02 INSTALLATION

- A. SET AND SECURE MATERIALS AND COMPONENTS IN PLACE, PLUMB AND LEVEL.
- B. CAREFULLY SCRIBE WORK ABUTTING OTHER COMPONENTS, WITH MAXIMUM GAPS OF 1/32 INCH. DO NOT USE ADDITIONAL OVERLAY TRIM TO CONCEAL LARGER GAPS.

### SECTION 06 20 00

#### SECTION 06 41 00 ARCHITECTURAL WOOD CASEWORK

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. WOOD CASEWORK WITH LAMINATE CLADDING.
- B. COUNTERTOPS
- C. SHOP FINISHING.
- D. CABINET AND DRAWER HARDWARE.

#### 1.02 RELATED REQUIREMENTS

- A. SECTION 12 36 00 - COUNTERTOPS.

#### 1.03 REFERENCE STANDARDS

- A. ANSIAW1 0641 - ARCHITECTURAL WOOD CASEWORK; 2019.
- B. ISO 4586-2 - HIGH-PRESSURE DECORATIVE LAMINATES (HPL, HPDL) - SHEETS BASED ON THERMOSETTING RESINS (USUALLY CALLED LAMINATES) - PART 2: DETERMINATION OF PROPERTIES; 2018.
- C. ISO 4586-3 - HIGH-PRESSURE DECORATIVE LAMINATES (HPL, HPDL) - SHEETS BASED ON THERMOSETTING RESINS (USUALLY CALLED LAMINATES) - PART 3: CLASSIFICATION AND SPECIFICATIONS FOR LAMINATES LESS THAN 2 MM THICK AND INTENDED FOR BONDING TO SUPPORTING SUBSTRATES; 2018.
- D. NEMA LD 3 - HIGH-PRESSURE DECORATIVE LAMINATES; 2005.
- E. PS 1 - STRUCTURAL PLYWOOD; 2023.

#### 1.04 ADMINISTRATIVE REQUIREMENTS

#### 1.05 SUBMITTALS

- A. SEE SECTION 01 30 00 - ADMINISTRATIVE REQUIREMENTS FOR SUBMITTAL PROCEDURES.
- B. PRODUCT DATA FOR WOOD CASEWORK FOR TRANSPARENT FINISH: SUBMIT MANUFACTURER'S PUBLISHED, PRODUCT DESCRIPTIVE DATA.
1. HPDL LAMINATES: FOR EACH TYPE, INDICATE DESCRIPTION, THICKNESS, AND COLOR.
2. VENEER TAPE EDGE-BANDING: FOR EACH TYPE, INDICATE MATERIAL AND THICKNESS.
3. HARDWARE: FOR EACH TYPE OF CABINET AND DRAWER HARDWARE.
- C. SHOP DRAWINGS:
1. GENERAL: EACH SHEET SEQUENTIALLY NUMBERED AND DATED.
2. AWI OCP PROGRAM SHOP DRAWING REQUIREMENTS:
- a. IDENTIFICATION OF MATERIALS: INCLUDE MATERIAL LISTS OR SCHEDULES.
- b. PLANS AND ELEVATIONS: PLAN AND ELEVATION VIEWS OF EACH ASSEMBLY TYPE.
- c. DETAILED SECTIONS: DIMENSIONED SECTION VIEWS OF EACH CASEWORK CONFIGURATION.
- 1) INCLUDE APPROPRIATE LOCATIONS FOR CASEWORK WALL ANCHORAGE.
3. REFERENCE PLANS: CASEWORK LOCATIONS IN RELATIVE CONTEXT OF BUILDING FLOOR PLANS.
- D. SAMPLES:
1. SAMPLES FOR INITIAL SELECTION:
- a. HPDL EDGE-BANDING: FOR EACH EDGE-BANDING TYPE, SUBMIT TWO MANUFACTURER'S STANDARD PALETTES, INDICATING FULL RANGE OF COLORS.

#### 1.06 QUALITY ASSURANCE

- A. FABRICATOR/INSTALLER QUALIFICATIONS: FIRM SPECIALIZING IN FABRICATING AND INSTALLING PRODUCTS SPECIFIED IN THIS SECTION WITH MINIMUM FIVE YEARS OF DOCUMENTED EXPERIENCE; WITH QUALIFICATIONS INDICATING ABILITY TO COMPLY WITH REQUIREMENTS OF THIS SECTION.

#### 1.07 DELIVERY, STORAGE, AND HANDLING

- A. STORE PRODUCTS IN INTERIOR ROOMS WITH COMPLETED WET WORK AND OVERHEAD WORK.
- B. HANDLE MATERIALS AND PRODUCTS TO PREVENT DAMAGE TO EDGES, ENDS, OR SURFACES.
- C. HANDLE WOOD PRODUCTS WITH CLEAN HANDS OR GLOVES; PROTECT FROM MARKS OR DAMAGE.

#### 1.08 FIELD CONDITIONS

- A. AMBIENT CONDITIONS FOR ACCLIMATION, INSTALLATION, AND POST-INSTALLATION OF WOOD-BASED PRODUCTS:
1. ACCLIMATION PERIOD PRIOR TO INSTALLATION: 72 HOURS MINIMUM, INSIDE INSTALLATION ENVIRONMENT.
2. TEMPERATURE CONDITIONS DURING INSTALLATION AND POST-INSTALLATION: MAINTAIN TEMPERATURE BETWEEN 60 DEGREES F AND 90 DEGREES F.

### PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. FORMICA CORPORATION: WWW.FORMICA.COM#SLE.

#### 2.02 ARCHITECTURAL WOOD CASEWORK

- A. PROVIDE CASEWORK AND CASEWORK COMPONENTS IN SIZES AND PROFILES AS INDICATED ON DRAWINGS.

#### 2.03 WOOD CASEWORK WITH LAMINATE CLADDING

- A. CASEWORK CONSTRUCTION:

1. DOOR AND DRAWER FRONT PROFILE: FLUSH.
2. REVEAL DIMENSIONS: COMPLY WITH PERFORMANCE REQUIREMENTS.

#### 2.04 HPDL-CLAD PANELS

- A. DESCRIPTION: PANELS CONSISTING OF HIGH-PRESSURE DECORATIVE LAMINATE (HPDL) FACES APPLIED TO CORES; PANEL LAYOUT WITH FACE PLY, BACK PLY, AND CORE OF EITHER SINGLE PLY OR ODD NUMBER OF INNER PLYS, TO PRODUCE BALANCED CONSTRUCTION PANEL.
- B. HPDL LAMINATES LESS THAN 0.08 INCH THICK: COMPLY WITH ISO 4586-3.
1. PRODUCTS:
- a. FORMICA CORPORATION: WWW.FORMICA.COM#SLE.
- C. CONCEALED CABINET BASE COMPONENTS
- A. CABINET BASE TOE-KICK SUBFRONTS:
1. MATERIALS: PLYWOOD.
- B. CABINET BASE BLOCKING AND STRETCHERS:
1. MATERIALS: PLYWOOD.
- C. CABINET BASE SLEEPERS:
1. MATERIALS: PLYWOOD.
- D. WOOD AND WOOD-BASED MATERIALS
- A. PLYWOOD: COMPLY WITH PS 1.

#### 2.05 CONCEALED CABINET BASE COMPONENTS

- A. CABINET BASE TOE-KICK SUBFRONTS:
1. MATERIALS: PLYWOOD.
- B. CABINET BASE BLOCKING AND STRETCHERS:
1. MATERIALS: PLYWOOD.
- C. CABINET BASE SLEEPERS:
1. MATERIALS: PLYWOOD.
- D. WOOD AND WOOD-BASED MATERIALS
- A. PLYWOOD: COMPLY WITH PS 1.

#### 2.06 WOOD AND WOOD-BASED MATERIALS

#### 2.07 CABINET AND DRAWER HARDWARE

- A. HINGES, NUMBER OF HINGES FOR EACH CABINET DOOR:
1. DOOR HEIGHTS UNDER 48 INCHES: NOT LESS THAN TWO HINGES PER DOOR.
2. DOOR HEIGHTS BETWEEN 48 INCHES AND 84 INCHES: NOT LESS THAN THREE HINGES PER DOOR.
- B. CABINET DOOR PULLS:
1. DESCRIPTION: BACK-MOUNTED PULLS.
2. PROVIDE ONE PULL FOR EACH DRAWER 24 INCHES OR LESS IN WIDTH.
3. DESIGN: U-SHAPE WIRE PULLS.
4. CENTER-TO-CENTER MOUNTING DIMENSION: 4 INCHES.
5. MATERIAL AND FINISH: SATIN ANODIZED ALUMINUM.
- C. SHELF RESTS:
1. COMPLY WITH SPECIFIED PERFORMANCE REQUIREMENTS.
- D. ADJUSTABLE SHELF SUPPORT SYSTEMS, STANDARDS AND SHELF RESTS:
1. DESCRIPTION: SLOTTED VERTICAL STANDARDS WITH SHELF RESTS FOR SUPPORTING SHELVES; STANDARDS MOUNTED IN EVENLY SPACED, CLEANLY BORED HOLES.
2. ADJUSTMENT INCREMENT: 1-1/4 INCHES.
- E. DRAWER SLIDES:
1. COMPLY WITH SPECIFIED PERFORMANCE REQUIREMENTS.
- F. GARMENT HOOKS:
1. DESCRIPTION: DEVICES WITH ONE OR MORE ARMS PROJECTING FROM ATTACHMENT BASES; FOR HANGING GARMENTS.
2. MOUNTING: SURFACE MOUNTED.
3. MATERIAL AND FINISH: SATIN STAINLESS STEEL.

### 2.08 FABRICATION

- A. SHOP-FABRICATE CASEWORK TO DIMENSIONS, PROFILES, AND DETAILS INDICATED ON DRAWINGS.
- B. FABRICATE TO MAXIMUM EXTENTS PLAUSIBLE, INCLUDING DOORS, DRAWERS, AND HARDWARE; FABRICATE UNITS IN SIZES TRANSPORTABLE THROUGH BUILDING OPENINGS.
- C. EASE SHARP EDGES OF SOLID WOOD STILES AND RAILS.
- D. WOOD CASEWORK WITH LAMINATE CLADDING: APPLY LAMINATES IN FULL UNINTERRUPTED SHEETS CONSISTENT WITH MANUFACTURED SIZES. FIT CORNERS AND JOINTS HAIRLINE.
- E. PROVIDE CUTOUTS FOR PLUMBING FIXTURES; VERIFY LOCATIONS OF CUTOUTS FROM ON-SITE DIMENSIONS. SAND AND SEAL CUT EDGES.
- F. HARDWARE: INSTALL HARDWARE IN ACCORDANCE WITH HARDWARE MANUFACTURER'S WRITTEN INSTRUCTIONS; USE FASTENERS SUPPLIED BY HARDWARE MANUFACTURER.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. VERIFY CASEWORK AND MATERIALS REQUIRED FOR INSTALLATION HAVE BEEN DELIVERED, HANDLED AND STORED AS SPECIFIED.
- B. VERIFY WOOD BLOCKING THAT PROVIDES CASEWORK BACKING IS INSTALLED AS INDICATED ON DRAWINGS.

#### 3.02 PREPARATION

- A. ACCLIMATE CASEWORK TO ENVIRONMENTS INDICATED FOR INSTALLATION.

#### 3.03 INSTALLATION

- A. INSTALL AND SECURE WORK OF THIS SECTION IN ACCORDANCE WITH SPECIFIED PERFORMANCE REQUIREMENTS.
- B. INSTALL CABINET HARDWARE IN ACCORDANCE WITH HARDWARE MANUFACTURER'S DOCUMENTED INSTRUCTIONS USING HARDWARE MANUFACTURER'S FURNISHED FASTENERS.
- C. INSTALL SCRIBE FILLERS TO CLOSE GAPS BETWEEN CASEWORK AND ADJACENT WALLS.

#### 3.04 TOLERANCES

- A. MAXIMUM VARIATION FROM PLUMB: 1/8 INCH IN 96 INCHES.
- B. MAXIMUM VARIATION FROM LEVEL: 1/8 INCH IN 96 INCHES.

#### 3.05 ADJUSTING

- A. ADJUST HARDWARE FOR SMOOTH OPERATION IN ACCORDANCE WITH HARDWARE MANUFACTURER'S DOCUMENTED INSTRUCTIONS.

#### 3.06 CLEANING

- A. SEE SECTION 01 70 00 - EXECUTION AND CLOSEOUT REQUIREMENTS FOR ADDITIONAL REQUIREMENTS.

- B. CLEAN EXPOSED SURFACES OF CASEWORK, SHELVEING, AND HARDWARE.

### 3.07 PROTECTION

- A. PROTECT INSTALLED CASEWORK FROM SUBSEQUENT CONSTRUCTION OPERATIONS.

### END OF SECTION 06 41 00

#### SECTION 06 83 16 FIBERGLASS REINFORCED PANELING

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. FIBERGLASS REINFORCED PLASTIC PANELS.
- B. TRIM.

#### 1.02 REFERENCE STANDARDS

- A. ASTM D5319 - STANDARD SPECIFICATION FOR GLASS-FIBER REINFORCED POLYESTER WALL AND CEILING PANELS; 2022.
- B. ASTM E84 - STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS; 2018B.

### PART 2 PRODUCTS

#### 2.01 PANEL SYSTEMS

- A. WALL PANELS BASIS OF DESIGN: MARLITE FRP.:
1. PANEL SIZE: 4 BY 8 FEET.
2. PANEL THICKNESS: 0.10 INCH.
3. SURFACE DESIGN: SMOOTH.
4. COLOR: WHITE.
5. ATTACHMENT METHOD: ADHESIVE ONLY, WITH TRIM AND SEALANT IN JOINTS.

#### 2.02 MATERIALS

- A. PANELS: FIBERGLASS REINFORCED PLASTIC (FRP), COMPLYING WITH ASTM D5319.
1. SURFACE BURNING CHARACTERISTICS: MAXIMUM FLAME SPREAD INDEX OF 25 AND SMOKE DEVELOPED INDEX OF 450; WHEN SYSTEM TESTED IN ACCORDANCE WITH ASTM E84.
- B. TRIM: STAINLESS STEEL;
- C. ADHESIVE: TYPE RECOMMENDED BY PANEL MANUFACTURER.
- D. SEALANT: TYPE RECOMMENDED BY PANEL MANUFACTURER; COLOR MATCHING PANEL.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. VERIFY EXISTING CONDITIONS AND SUBSTRATE FLATNESS BEFORE STARTING WORK.
- B. VERIFY THAT SUBSTRATE CONDITIONS ARE READY TO RECEIVE THE WORK OF THIS SECTION.

#### 3.02 INSTALLATION - WALLS

- A. INSTALL PANELS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. CUT AND DRILL PANELS WITH CARBIDE TIPPED SAW BLADES, DRILL BITS, OR SNIPS.
- C. APPLY ADHESIVE TO THE BACK SIDE OF THE PANEL USING TROWEL AS RECOMMENDED BY ADHESIVE MANUFACTURER.
- D. APPLY PANELS TO WALL WITH SEAMS PLUMB AND PATTERN ALIGNED WITH ADJOINING PANELS.
- E. INSTALL PANELS WITH MANUFACTURER'S RECOMMENDED GAP FOR PANEL FIELD AND CORNER JOINTS.
- F. PLACE TRIM ON PANEL BEFORE FASTENING EDGES, AS REQUIRED.
- G. FILL CHANNELS IN TRIM WITH SEALANT BEFORE ATTACHING TO PANEL.
- H. INSTALL TRIM WITH ADHESIVE AND SCREWS OR NAILS, AS REQUIRED.
- I. SEAL GAPS AT FLOOR, CEILING, AND BETWEEN PANELS WITH APPLICABLE SEALANT TO PREVENT MOISTURE INTRUSION.
- J. REMOVE EXCESS SEALANT AFTER PANELING IS INSTALLED AND PRIOR TO CURING.

### END OF SECTION 06 83 16

#### SECTION 07 21 19 FOAMED-IN-PLACE INSULATION

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. FOAMED-IN-PLACE INSULATION.
1. IN EXTERIOR WALL CREVICES BETWEEN FRAMED ROUGH OPENINGS AND WINDOWS.

#### 1.02 REFERENCE STANDARDS

- A. ASTM C518 - STANDARD TEST METHOD FOR STEADY-STATE THERMAL TRANSMISSION PROPERTIES BY MEANS OF THE HEAT FLOW METER APPARATUS; 2021.
- B. ASTM E84 - STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS; 2018B.
- C. NFPA 275 - STANDARD METHOD OF FIRE TESTS FOR THE EVALUATION OF THERMAL BARRIERS; 2022.
- D. NFPA 286 - STANDARD METHODS OF FIRE TESTS FOR EVALUATING CONTRIBUTION OF WALL AND CEILING INTERIOR FINISH TO ROOM FIRE GROWTH; 2019.

#### 1.03 SUBMITTALS

- A. SEE SECTION 01 30 00 - ADMINISTRATIVE REQUIREMENTS FOR SUBMITTAL PROCEDURES.
- B. PRODUCT DATA: PROVIDE PRODUCT DESCRIPTION, INSULATION PROPERTIES, OVERCOAT PROPERTIES, AND PREPARATION REQUIREMENTS.

### PART 2 PRODUCTS

#### 2.01 MATERIALS

- A. FOAMED-IN-PLACE INSULATION: LOW-DENSITY, FLEXIBLE, CLOSED CELL, WATER VAPOR PERMEABLE POLYURETHANE FOAM; FOAMED ON-SITE, USING BLOWING AGENT OF WATER OR NON-OZONE-DEPLETING GAS.
1. THERMAL RESISTANCE: R-VALUE OF 3.0, MINIMUM, PER 1 INCH THICKNESS AT 75 DEGREES F MEAN TEMPERATURE WHEN TESTED IN ACCORDANCE WITH ASTM C518.
2. SURFACE BURNING CHARACTERISTICS: FLAME SPREAD/SMOKE DEVELOPED INDEX OF 25/450, MAXIMUM, WHEN TESTED IN ACCORDANCE WITH ASTM E84.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. VERIFY WORK WITHIN CONSTRUCTION SPACES OR CREVICES IS COMPLETE BEFORE INSULATION APPLICATION.
- B. VERIFY THAT SURFACES ARE CLEAN, DRY, AND FREE OF MATTER THAT MAY INHIBIT INSULATION ADHESION.

#### 3.02 APPLICATION

- A. APPLY INSULATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. APPLY INSULATION BY SPRAY METHOD, TO A UNIFORM MONOLITHIC DENSITY WITHOUT VOIDS.

#### 3.03 PROTECTION

- A. DO NOT PERMIT SUBSEQUENT CONSTRUCTION WORK TO DISTURB APPLIED INSULATION.

### END OF SECTION 07 21 19

#### SECTION 07 25 00 WEATHER BARRIERS

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. SELF-ADHERED WEATHER BARRIER FLASHING FOR NEW WINDOWS AND EXTERIOR WALL PENETRATIONS.

#### 1.02 REFERENCE STANDARDS

- A. ASTM D1970/D1970M - STANDARD SPECIFICATION FOR SELF-ADHERING POLYMER MODIFIED BITUMINOUS SHEET MATERIALS USED AS STEEP ROOFING UNDERLAYMENT FOR ICE DAM PROTECTION; 2021.

### PART 2 PRODUCTS

#### 2.01 WEATHER BARRIER ASSEMBLIES

#### 2.02 ACCESSORIES

- A. FLEXIBLE FLASHING: SELF-ADHESIVE SHEET FLASHING COMPLYING WITH ASTM D1970/D1970M, EXCEPT SLIP RESISTANCE REQUIREMENT IS WAIVED IF NOT INSTALLED ON A ROOF.
1. MANUFACTURERS:
- a. VAPROSHIELD WRAP FLASHING 46105590 WWW.VAPROSHIELD.COM#SLE.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. VERIFY THAT SURFACES AND CONDITIONS ARE READY TO ACCEPT THE WORK OF THIS SECTION.

#### 3.02 INSTALLATION

- A. INSTALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. OPENINGS AND PENETRATIONS IN EXTERIOR WEATHER BARRIERS:
1. AT OPENINGS TO BE FILLED WITH FRAMES HAVING NAILING FLANGES, SEAL HEAD AND JAMB FLANGES USING A CONTINUOUS BEAD OF SEALANT COMPRESSED BY FLANGE AND COVER FLANGES WITH SEALING TAPE AT LEAST 4 INCHES WIDE; DO NOT SEAL SILL FLANGE.
2. AT INTERIOR FACE OF OPENINGS, SEAL GAP BETWEEN WINDOW/DOOR FRAME AND ROUGH FRAMING, USING JOINT SEALANT OVER BACKER ROD.

### END OF SECTION 07 25 00

#### SECTION 07 92 00 JOINT SEALANTS

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. NONSAG GUNNABLE JOINT SEALANTS.
- B. JOINT BACKINGS AND ACCESSORIES.

#### 1.02 RELATED REQUIREMENTS

- A. SECTION 07 25 00 - WEATHER BARRIERS: SEALANTS REQUIRED IN CONJUNCTION WITH AIR BARRIERS AND VAPOR RETARDERS.

#### 1.03 REFERENCE STANDARDS

- A. ASTM C920 - STANDARD SPECIFICATION FOR ELASTOMERIC JOINT SEALANTS; 2018.
- B. ASTM C1193 - STANDARD GUIDE FOR USE OF JOINT SEALANTS; 2016.
- C. ASTM C1248 - STANDARD TEST METHOD FOR STAINING OF POROUS SUBSTRATE BY JOINT SEALANTS; 2018.
- D. SCAQMD 1168 - ADHESIVE AND SEALANT APPLICATIONS; 1989 (AMENDED 2017).

#### 1.04 SUBMITTALS

- A. PRODUCT DATA FOR SEALANTS: SUBMIT MANUFACTURER'S TECHNICAL DATA SHEETS FOR EACH PRODUCT TO BE USED, THAT INCLUDES THE FOLLOWING.
1. PHYSICAL CHARACTERISTICS, INCLUDING MOVEMENT CAPABILITY, VOC CONTENT, HARDNESS, CURE TIME, AND COLOR AVAILABILITY.
2. LIST OF BACKING MATERIALS APPROVED FOR USE WITH THE SPECIFIC PRODUCT.
3. SUBSTRATES THAT PRODUCT IS KNOWN TO SATISFACTORILY ADHERE TO AND WITH WHICH IT IS COMPATIBLE.
4. SUBSTRATES THE PRODUCT SHOULD NOT BE USED ON.

### PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. NON-SAG SEALANTS: PERMITS APPLICATION IN JOINTS ON VERTICAL SURFACES WITHOUT SAGGING OR SLUMPING.
1. DOW CHEMICAL COMPANY: CONSUMER.DOW.COM/EN-US/INDUSTRY/IND-BUILDING-CONSTRUCTION.HTML#SLE.
2. HILTI, INC.: WWW.US.HILTI.COM#SLE.
3. SHERWIN-WILLIAMS COMPANY: WWW.SHERWIN-WILLIAMS.COM#SLE.
4. SIKA CORPORATION: WWW.USA.SIKA.COM#SLE.
5. TREMCO COMMERCIAL SEALANTS & WATERPROOFING: WWW.TREMCOSEALANTS.COM#SLE.
6. W.R. MEADOWS, INC.: WWW.WRMEADOWS.COM#SLE.

#### 2.02 JOINT SEALANT APPLICATIONS

#### A. SCOPE:

1. EXTERIOR JOINTS: SEAL OPEN JOINTS, WHETHER OR NOT THE JOINT IS INDICATED ON DRAWINGS, UNLESS SPECIFICALLY INDICATED NOT TO BE SEALED. EXTERIOR JOINTS TO BE SEALED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING ITEMS.
- a. JOINTS BETWEEN WINDOW FRAMES AND ADJACENT CONSTRUCTION.
- b. JOINTS BETWEEN DIFFERENT EXPOSED MATERIALS.
2. INTERIOR JOINTS: DO NOT SEAL INTERIOR JOINTS UNLESS SPECIFICALLY INDICATED TO BE SEALED. INTERIOR JOINTS TO BE SEALED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING ITEMS.
- a. JOINTS BETWEEN DOOR, WINDOW, AND OTHER FRAMES AND ADJACENT CONSTRUCTION.
3. DO NOT SEAL THE FOLLOWING TYPES OF JOINTS.
- a. JOINTS INDICATED TO BE TREATED WITH MANUFACTURED EXPANSION JOINT COVER OR SOME OTHER TYPE OF SEALING DEVICE.
- b. JOINTS WHERE SEALANT IS SPECIFIED TO BE PROVIDED BY MANUFACTURER OF PRODUCT TO BE SEALED.
- c. JOINTS WHERE INSTALLATION OF SEALANT IS SPECIFIED IN ANOTHER SECTION.
- B. EXTERIOR JOINTS: USE NON-SAG NON-STAINING SILICONE SEALANT, UNLESS OTHERWISE INDICATED.
- C. INTERIOR JOINTS: USE NON-SAG POLYURETHANE SEALANT, UNLESS OTHERWISE INDICATED.
- D. INTERIOR WET AREAS: BATHROOMS, RESTROOMS, KITCHENS, FOOD SERVICE AREAS, AND FOOD PROCESSING AREAS; FIXTURES IN WET AREAS INCLUDE PLUMBING FIXTURES, FOOD SERVICE EQUIPMENT, COUNTERTOPS, CABINETS, AND OTHER SIMILAR ITEMS.

#### 2.03 JOINT SEALANTS - GENERAL



# SPECIFICATIONS

- A. SEALANTS AND PRIMERS: PROVIDE PRODUCTS HAVING LOWER VOLATILE ORGANIC COMPOUND (VOC) CONTENT THAN INDICATED IN SCAQMD 1168.
- 2.04 NONSAG JOINT SEALANTS
  - A. NON-STAINING SILICONE SEALANT: ASTM C920, GRADE NS, USES M AND A; NOT EXPECTED TO WITHSTAND CONTINUOUS WATER IMMERSION OR TRAFFIC.
    - 1. DIRT PICK-UP: REDUCED DIRT PICK-UP COMPARED TO OTHER SILICONE SEALANTS.
    - 2. MANUFACTURERS:
      - a. DOW CHEMICAL COMPANY; DOWSIL 795 SILICONE BUILDING SEALANT: CONSUMER.DOW.COM/EN-US/INDUSTRY/IND-BUILDING-CONSTRUCTION.HTML#SLSE.
  - B. MILDEW-RESISTANT SILICONE SEALANT: ASTM C920, GRADE NS, USES M AND A; SINGLE COMPONENT, MILDEW RESISTANT; NOT EXPECTED TO WITHSTAND CONTINUOUS WATER IMMERSION OR TRAFFIC.
    - 1. COLOR: WHITE.
  - C. POLYURETHANE SEALANT: ASTM C920, GRADE NS, USES M AND A; SINGLE OR MULTI-COMPONENT; NOT EXPECTED TO WITHSTAND CONTINUOUS WATER IMMERSION OR TRAFFIC.
    - 1. COLOR: MATCH ADJACENT FINISHED SURFACES.

## 2.05 ACCESSORIES

- A. BACKER ROD: CYLINDRICAL CELLULAR FOAM ROD WITH SURFACE THAT SEALANT WILL NOT ADHERE TO, COMPATIBLE WITH SPECIFIC SEALANT USED, AND RECOMMENDED BY BACKING AND SEALANT MANUFACTURERS FOR SPECIFIC APPLICATION.
- B. JOINT CLEANER: NON-CORROSIVE AND NON-STAINING TYPE, TYPE RECOMMENDED BY SEALANT MANUFACTURER; COMPATIBLE WITH JOINT FORMING MATERIALS.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. VERIFY THAT JOINTS ARE READY TO RECEIVE WORK.
- B. VERIFY THAT BACKING MATERIALS ARE COMPATIBLE WITH SEALANTS.
- C. VERIFY THAT BACKER RODS ARE OF THE CORRECT SIZE.

### 3.02 PREPARATION

- A. REMOVE LOOSE MATERIALS AND FOREIGN MATTER THAT COULD IMPAIR ADHESION OF SEALANT.
- B. CLEAN JOINTS, AND PRIME AS NECESSARY, IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- C. PERFORM PREPARATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ASTM C1193.
- D. MASK ELEMENTS AND SURFACES ADJACENT TO JOINTS FROM DAMAGE AND DISFIGUREMENT DUE TO SEALANT WORK; BE AWARE THAT SEALANT DRIPS AND SMEARS MAY NOT BE COMPLETELY REMOVABLE.

### 3.03 INSTALLATION

- A. PERFORM WORK IN ACCORDANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS FOR PREPARATION OF SURFACES AND MATERIAL INSTALLATION INSTRUCTIONS.
- B. PERFORM INSTALLATION IN ACCORDANCE WITH ASTM C1193.
- C. INSTALL BOND BREAKER BACKING TAPE WHERE BACKER ROD CANNOT BE USED.
- D. INSTALL SEALANT FREE OF AIR POCKETS, FOREIGN EMBEDDED MATTER, RIDGES, AND SAGS, AND WITHOUT GETTING SEALANT ON ADJACENT SURFACES.
- E. DO NOT INSTALL SEALANT WHEN AMBIENT TEMPERATURE IS OUTSIDE MANUFACTURER'S RECOMMENDED TEMPERATURE RANGE, OR WILL BE OUTSIDE THAT RANGE DURING THE ENTIRE CURING PERIOD, UNLESS MANUFACTURER'S APPROVAL IS OBTAINED AND INSTRUCTIONS ARE FOLLOWED.
- F. NONSAG SEALANTS: TOOL SURFACE CONCAVE, UNLESS OTHERWISE INDICATED; REMOVE MASKING TAPE IMMEDIATELY AFTER TOOLING SEALANT SURFACE.

### 3.04 POST-OCCUPANCY

- A. POST-OCCUPANCY INSPECTION: PERFORM VISUAL INSPECTION OF ENTIRE LENGTH OF PROJECT SEALANT JOINTS AT A TIME THAT JOINTS HAVE OPENED TO THEIR GREATEST WIDTH; I.E. AT LOW TEMPERATURE IN THERMAL CYCLE. REPORT FAILURES IMMEDIATELY AND REPAIR.

END OF SECTION 07 92 00

SECTION 08 14 16  
FLUSH WOOD DOORS

## PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. FLUSH WOOD DOORS; FLUSH CONFIGURATION; NON-RATED, ACOUSTICAL, AND SPECIAL FUNCTION.

### 1.02 RELATED REQUIREMENTS

- A. SECTION 06 20 00 - FINISH CARPENTRY: WOOD DOOR FRAMES.
- B. SECTION 08 71 00 - DOOR HARDWARE.

### 1.03 REFERENCE STANDARDS

- A. ASTM D1308 - STANDARD TEST METHOD FOR EFFECT OF HOUSEHOLD CHEMICALS ON CLEAR AND PIGMENTED COATING SYSTEMS; 2020 (REAPPROVED 2025).
- B. ASTM E84 - STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS; 2018B.
- C. AIAA/WDMA/CSA (AWS) - ARCHITECTURAL WOODWORK STANDARDS, 2ND EDITION; 2014, WITH ERRATA (2016).
- D. AWMAC/MI (NAAWS) - NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS; 2021, WITH ERRATA.

### 1.04 SUBMITTALS

- A. PRODUCT DATA: INDICATE DOOR CORE MATERIALS AND CONSTRUCTION; VENEER SPECIES, TYPE AND CHARACTERISTICS.
- B. SHOP DRAWINGS: SHOW DOORS AND FRAMES, ELEVATIONS, SIZES, TYPES, SWINGS, UNDERCUTS, BEVELINGS, BLOCKING FOR HARDWARE, FACTORY MACHINING, FACTORY FINISHING, CUTOUTS FOR GLAZING AND OTHER DETAILS.
  - 1. PROVIDE INFORMATION AS REQUIRED BY AII/AWMAC/MI (AWS) OR AWMAC/MI (NAAWS).
- C. CERTIFICATE: SUBMIT LABELS AND CERTIFICATES REQUIRED BY QUALITY ASSURANCE AND QUALITY CONTROL PROGRAMS.
- D. MANUFACTURER'S INSTALLATION INSTRUCTIONS: INDICATE SPECIAL INSTALLATION INSTRUCTIONS.
- E. MANUFACTURER'S QUALIFICATION STATEMENT.
- F. INSTALLER'S QUALIFICATION STATEMENT.
- G. SPECIMEN WARRANTY.
- H. WARRANTY, EXECUTED IN OWNER'S NAME.

### 1.05 QUALITY ASSURANCE

- A. MAINTAIN ONE COPY OF THE SPECIFIED DOOR QUALITY STANDARD ON SITE FOR REVIEW DURING INSTALLATION AND FINISHING.

- B. MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING THE PRODUCTS SPECIFIED IN THIS SECTION, WITH NOT LESS THAN THREE YEARS OF DOCUMENTED EXPERIENCE.
  - 1. ACCREDITED PARTICIPANT IN THE SPECIFIED CERTIFICATION PROGRAM PRIOR TO THE COMMENCEMENT OF FABRICATION AND THROUGHOUT THE DURATION OF THE PROJECT.
- C. WOODWORK QUALITY ASSURANCE PROGRAM:
  - 1. PROVIDE LABELS INDICATING THAT THE INSTALLED WORK COMPLIES WITH AII/AWMAC/MI (AWS) OR AWMAC/MI (NAAWS) REQUIREMENTS FOR GRADE OR GRADES SPECIFIED.
  - 2. PROVIDE DESIGNATED LABELS ON SHOP DRAWINGS AS REQUIRED BY QUALITY ASSURANCE PROGRAM.
  - 3. PROVIDE DESIGNATED LABELS ON INSTALLED PRODUCTS AS REQUIRED BY QUALITY ASSURANCE PROGRAM.
  - 4. SUBMIT DOCUMENTATION UPON COMPLETION OF INSTALLATION THAT VERIFIES THIS WORK IS IN COMPLIANCE WITH SPECIFIED REQUIREMENTS.

### 1.06 DELIVERY, STORAGE, AND HANDLING

- A. PACKAGE, DELIVER AND STORE DOORS IN ACCORDANCE WITH SPECIFIED QUALITY STANDARD.
- B. ACCEPT DOORS ON SITE IN MANUFACTURER'S PACKAGING, AND INSPECT FOR DAMAGE.
- C. PROTECT DOORS WITH RESILIENT PACKAGING SEALED WITH HEAT SHRUNK PLASTIC; DO NOT STORE IN DAMP OR WET AREAS OR AREAS WHERE SUNLIGHT MIGHT BLEACH VENEER; SEAL TOP AND BOTTOM EDGES WITH TINTED SEALER IF STORED MORE THAN ONE WEEK, AND BREAK SEAL ON SITE TO PERMIT VENTILATION.

### 1.07 WARRANTY

- A. SEE SECTION 01 78 00 - CLOSEOUT SUBMITTALS FOR ADDITIONAL WARRANTY REQUIREMENTS.
- B. MANUFACTURER WARRANTY: PROVIDE MANUFACTURER'S WARRANTY ON INTERIOR DOORS FOR THE LIFE OF THE INSTALLATION. COMPLETE FORMS IN OWNER'S NAME AND REGISTER WITH MANUFACTURER.
  - 1. INCLUDE COVERAGE FOR DELAMINATION OF VENEER, WARPING BEYOND SPECIFIED INSTALLATION TOLERANCES, DEFECTIVE MATERIALS, AND TELEGRAPHING CORE CONSTRUCTION.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

- A. WOOD VENEER FACED DOORS:
  - 1. HALEY BROTHERS: WWW.HALEYBROS.COM#SLSE.
  - 2. VANCOUVER ARCHITECTURAL DOORS: VANCOUVERDOORCO.COM#SLSE.
  - 3. VT INDUSTRIES, INC.: WWW.VTINDUSTRIES.COM#SLSE.

### 2.02 DOORS AND PANELS

- A. DOORS: SEE DRAWINGS FOR LOCATIONS AND ADDITIONAL REQUIREMENTS.
  - 1. WOOD VENEER FACED DOORS: 5-PLY UNLESS OTHERWISE INDICATED.
- B. INTERIOR DOORS: 1-3/4 INCHES THICK UNLESS OTHERWISE INDICATED; FLUSH CONSTRUCTION.
  - 1. PROVIDE SOLID CORE DOORS AT EACH LOCATION.
  - 2. WOOD VENEER FACING FOR FIELD TRANSPARENT FINISH MATCH EXISTING FINISHES.

### 2.03 DOOR AND PANEL CORES

### 2.04 DOOR FACINGS

- A. VENEER FACING FOR TRANSPARENT FINISH: MATCH EXISTING, VENEER GRADE IN ACCORDANCE WITH QUALITY STANDARD INDICATED, PLAIN SLICED (FLAT CUT), WITH BOOK MATCH BETWEEN LEAVES OF VENEER, RUNNING MATCH OF SPLICED VENEER LEAVES ASSEMBLED ON DOOR OR PANEL FACE.

### 2.05 DOOR CONSTRUCTION

- A. FABRICATE DOORS IN ACCORDANCE WITH DOOR QUALITY STANDARD SPECIFIED.
- B. FACTORY MACHINE DOORS FOR HARDWARE OTHER THAN SURFACE-MOUNTED HARDWARE, IN ACCORDANCE WITH HARDWARE REQUIREMENTS AND DIMENSIONS.
- C. FACTORY FIT DOORS FOR FRAME OPENING DIMENSIONS IDENTIFIED ON SHOP DRAWINGS, WITH EDGE CLEARANCES IN ACCORDANCE WITH SPECIFIED QUALITY STANDARD.
- D. PROVIDE EDGE CLEARANCES IN ACCORDANCE WITH THE QUALITY STANDARD SPECIFIED.

### 2.06 FINISHES - WOOD VENEER DOORS

- A. FINISH WORK IN ACCORDANCE WITH AII/AWMAC/MI (AWS) OR AWMAC/MI (NAAWS), SECTION 5 - FINISHING FOR GRADE SPECIFIED AND AS FOLLOWS:
  - 1. TRANSPARENT:
    - a. SYSTEM - 4, LATEX ACRYLIC, WATER-BASED.
    - b. STAIN: MATCH OTHER DOORS
    - c. SHEEN: SATIN.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK.
- B. VERIFY THAT OPENING SIZES AND TOLERANCES ARE ACCEPTABLE.
- C. DO NOT INSTALL DOORS IN FRAME OPENINGS THAT ARE NOT PLUMB OR ARE OUT-OF-TOLERANCE FOR SIZE OR ALIGNMENT.

### 3.02 INSTALLATION

- A. INSTALL DOORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND SPECIFIED QUALITY STANDARD.
- B. FACTORY-FINISHED DOORS: DO NOT FIELD CUT OR TRIM; IF FIT OR CLEARANCE IS NOT CORRECT, REPLACE DOOR.
- C. USE MACHINE TOOLS TO CUT OR DRILL FOR HARDWARE.
- D. COORDINATE INSTALLATION OF DOORS WITH INSTALLATION OF FRAMES AND HARDWARE.

### 3.03 TOLERANCES

- A. COMPLY WITH SPECIFIED QUALITY STANDARD FOR FIT AND CLEARANCE TOLERANCES.
- B. COMPLY WITH SPECIFIED QUALITY STANDARD FOR TELEGRAPHING, WARP, AND SQUARENESS.

### 3.04 ADJUSTING

- A. ADJUST DOORS FOR SMOOTH AND BALANCED DOOR MOVEMENT.
- B. ADJUST CLOSERS FOR FULL CLOSURE.

END OF SECTION 08 14 16

SECTION 08 52 00  
WOOD WINDOWS

## PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. FACTORY-FABRICATED WOOD WINDOWS.
- B. GLAZING.
- C. OPERATING HARDWARE.
- D. INSECT SCREENS.

- E. WOOD TRIM FOR EXTERIOR FINISHING.

### 1.02 RELATED REQUIREMENTS

- A. SECTION 07 25 00 - WEATHER BARRIERS: SEALING FRAMES TO WATER-RESISTIVE BARRIER INSTALLED ON ADJACENT CONSTRUCTION.
- B. SECTION 07 92 00 - JOINT SEALANTS: SEALING JOINTS BETWEEN FRAMES AND ADJACENT CONSTRUCTION.
- C. SECTION 09 91 23 - INTERIOR PAINTING: SITE FINISHING WOOD SURFACES.
- D. SECTION 09 93 00 - STAINING AND TRANSPARENT FINISHING: SITE FINISHING WOOD SURFACES.

### 1.03 REFERENCE STANDARDS

- A. AAMA/WDMA/CSA 1011.S.2/A440 - NORTH AMERICAN FENESTRATION STANDARD/SPECIFICATION FOR WINDOWS, DOORS, AND SKYLIGHTS; 2022.
- B. ASTM F2090 - STANDARD SPECIFICATION FOR WINDOW FALL PREVENTION DEVICES WITH EMERGENCY ESCAPE (EGRESS) RELEASE MECHANISMS; 2021.

### 1.04 SUBMITTALS

- A. SEE SECTION 01 30 00 - ADMINISTRATIVE REQUIREMENTS FOR SUBMITTAL PROCEDURES.
- B. PRODUCT DATA: SHOW COMPONENT DIMENSIONS, ANCHORAGE AND FASTENERS, GLASS, INTERNAL DRAINAGE DETAILS, AND OPERATING HARDWARE.
- C. SHOP DRAWINGS: INDICATE OPENING DIMENSIONS, FRAMED OPENING TOLERANCES, AFFECTED RELATED WORK, INSTALLATION REQUIREMENTS, AND OPERATING HARDWARE AND ACCESSORY PART NUMBERS.
- D. SAMPLES: TWO CORNER CUT SAMPLES 6 BY 6 INCH IN SIZE ILLUSTRATING WINDOW FRAME SECTION AND GLAZING.

### 1.05 DELIVERY, STORAGE, AND HANDLING

- A. PROTECT FACTORY FINISHED SURFACES WITH WRAPPING. DO NOT USE ADHESIVE PAPERS OR SPRAYED COATINGS THAT BOND WHEN EXPOSED TO SUNLIGHT OR WEATHER.

## PART 2 PRODUCTS

### 2.01 DESCRIPTION

- A. WOOD WINDOWS: WOOD FRAME AND SASH, FACTORY FABRICATED AND ASSEMBLED FROM STRAIGHT-GRAIN CLEAR WOOD OF THE SAME SPECIES, WITH FACTORY-INSTALLED GLAZING, HARDWARE, RELATED FLASHINGS, ANCHORAGE AND ATTACHMENT DEVICES.
  - 1. CONFIGURATION: AS INDICATED ON DRAWINGS.
    - a. PRODUCT TYPE: C - CASEMENT WINDOW, IN ACCORDANCE WITH AAMA/WDMA/CSA 1011.S.2/A440.
  - 2. WOOD SPECIES: CLEAR PINE, PRESERVATIVE TREATED USING TREATMENT TYPE SUITABLE FOR REQUIRED FINISH.
  - 3. SIZE TO FIT OPENINGS WITH MINIMUM CLEARANCE AROUND PERIMETER OF ASSEMBLY PROVIDING NECESSARY SPACE FOR PERIMETER SEALS.
  - 4. FRAME AND SASH MEMBERS: MORTISE AND TENON JOINTS. GLUE AND STEEL PIN JOINTS TO HAIRLINE FIT, WEATHER TIGHT.
  - 5. FASTENERS: CONCEALED FROM VIEW.
  - 6. INTERNAL DRAINAGE: DRAIN TO EXTERIOR SIDE BY MEANS OF WEEP DRAINAGE NETWORK ANY WATER ENTERING JOINTS, CONDENSATION WITHIN GLAZING CHANNEL, OR OTHER MIGRATING MOISTURE WITHIN SYSTEM.
  - 7. GLAZING STOPS, TRIM, FLASHINGS, AND ACCESSORY PIECES: FORMED OF NONCORROSIVE MATERIALS.

### 2.02 COMPONENTS

- A. GLAZING: INSULATED DOUBLE GLAZED, ANNEALED GLASS, CLEAR, LOW-E COATED, ARGON FILLED, LOW-IRON WITH GLASS THICKNESSES AS RECOMMENDED BY MANUFACTURER FOR SPECIFIED WIND CONDITIONS AND ACOUSTIC RATING INDICATED.
  - 1. PERFORMANCE VALUES:
    - a. U-FACTOR (MAX): 0.36
    - b. VLT (MAX): 73%
    - c. SHGC (MAX): 0.43
    - d. OUTDOOR VISIBLE LIGHT REFLECTANCE (MAX): 15%
  - 2. BIRDSTRIKE TREATMENT: FIRST SURFACE (1) TO HAVE 2X2" GRID OF LASER-ETCHED DOTS, BOD VITRO "BIRDSMART" SPECK INLINE 2X2
- B. FRAMES: CONTRACTOR TO PROVIDE FRAMING DEPTH FROM IN-SITU MEASUREMENTS, VERIFY WITH ARCHITECT, FRAME DEPTH PER DRAWINGS, FLUSH SOLID WOOD GLASS STOPS OF SCREW FASTENED TYPE, SLOPED FOR POSITIVE DRAINAGE.
- C. SILLS: EXTRUDED ALUMINUM, WITH 0.040 INCH NOMINAL THICKNESS, SLOPED FOR POSITIVE DRAINAGE; FITS UNDER SASH AND PROJECTS PER DRAWINGS BEYOND EXTERIOR FACE OF WALL; SINGLE PIECE FULL WIDTH OF OPENING, COLOR BROWN TO MATCH WINDOW FINISH.
- D. INSECT SCREENS: EXTRUDED ALUMINUM FRAME WITH MITERED AND REINFORCED CORNERS; SCREEN MESH TAUT AND SECURE TO FRAME; SECURED TO WINDOW INTERIOR WITH ADJUSTABLE SUPPORTS ALLOWING SCREEN REMOVAL WITHOUT USE OF TOOLS.
  - 1. SUPPORTS: SPRING-LOADED STEEL PINS; FOUR PER SCREEN UNIT.
  - 2. SCREEN MESH: VINYL-COATED FIBERGLASS, WINDOW MANUFACTURER'S STANDARD MESH.
  - 3. FRAME FINISH: BAKED ENAMEL, COLOR TO MATCH WINDOW INTERIOR COLOR.
- E. FASTENERS: STAINLESS STEEL.
- F. SEALANT AND BACKING MATERIALS: SEE SECTION 07 92 00 OF TYPES AS INDICATED.
- G. WOOD FOR CASINGS AND TRIM: CLEAR PINE, CLEAR PRESERVATIVE TREATED, OF TYPE SUITABLE FOR REQUIRED FINISH.
- H. FLASHING: PROVIDE RELATED FLASHINGS, WITH NECESSARY ANCHORS AND ATTACHMENT DEVICES.
- I. SEALANT FOR SETTING SILLS AND SILL FLASHING: NON-CURING BUTYL TYPE.

### 2.03 HARDWARE

- A. SASH LOCK: SINGLE POINT KEEPER ON ONE SIDE OF OPENING, MATERIAL: CAST ZINC WITH MANUFACTURER'S STANDARD GRAY PAINT.
- B. OPERATOR: GEARED DUAL-ARM ROTARY HANDLE FITTED TO PROJECTING SASH ARMS WITH LIMIT STOPS; HANDLE MATERIAL: CAST ZINC WITH MANUFACTURER'S STANDARD GRAY PAINT.
- C. PROJECTING SASH ARMS: STEEL, FRICTION PIVOT JOINTS WITH NYLON BEARINGS, REMOVABLE PIVOT CLIPS FOR CLEANING.
- D. WINDOW OPENING CONTROL DEVICES (WOOD): PROVIDE OPERABLE WINDOW SASH HARDWARE THAT LIMITS WINDOW OPENING TO PREVENT PASSAGE OF 4-INCH DIAMETER RIGID SPHERE AND IS EASILY RELEASABLE TO ALLOW FULL WINDOW OPENING WITHOUT USE OF KEYS, TOOLS, OR SPECIAL KNOWLEDGE, COMPLY WITH ASTM F2090.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. VERIFY WALL OPENINGS AND ADJOINING WATER-RESISTIVE BARRIER SEAL MATERIALS ARE READY TO RECEIVE WOOD WINDOWS.

### 3.02 INSTALLATION

- A. INSTALL WINDOW UNIT ASSEMBLIES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE BUILDING COD.
- B. ATTACH WINDOW FRAME AND SHIMS TO PERIMETER OPENING TO ACCOMMODATE CONSTRUCTION TOLERANCES AND OTHER IRREGULARITIES AS NECESSARY.

- C. ALIGN WINDOW PLUMB AND LEVEL, FREE OF WARP OR TWIST, MAINTAIN DIMENSIONAL TOLERANCES AND ALIGNMENT WITH ADJACENT WORK.
- D. FILL ANY GAPS BETWEEN ROUGH OPENING AND WINDOW FRAME WITH FOAMED-IN-PLACE INSULATION
- E. SET SILL MEMBERS AND SILL FLASHING IN CONTINUOUS BEAD OF SEALANT.
- F. FINISH EXTERIOR WINDOW AND TRIM SURFACES WITH SOLID COLOR STAIN COLOR TO MATCH EXISTING, FINISH ACCORDING TO MANUFACTURER'S INSTRUCTIONS. COLOR MATCHING TO BE DONE ACCORDING TO THE FOLLOWING:
  - 1. CLEANING & RETENTION: CLEAN EXISTING WINDOW FRAME TO REMOVE ANY DUST OR DEBRIS; RETAIN A REPRESENTATIVE SAMPLE DURING DEMOLITION.
  - 2. STAINING: USE A MINIMUM OF THREE STAIN COLORS FOR COLOR MATCHING.
  - 3. COMPARING: APPLY STAIN TO MANUFACTURER-SUPPLIED WOOD CUT-OFF SAMPLE FROM THE SAME STOCK AND SPECIESTAS THE FINAL WINDOW.
- G. FINISH INTERIOR SURFACES WITH OPAQUE MATERIALS; SEE SECTION 09 93 00.

### 3.03 TOLERANCES

- A. MAXIMUM VARIATION FROM LEVEL OR PLUMB: 1/16 INCH PER 3 FT NON-CUMULATIVE OR 1/2 INCH PER 100 FT, WHICHEVER IS LESS.

### 3.04 CLEANING

- A. REMOVE PROTECTIVE MATERIAL FROM FACTORY FINISHED SURFACES.
  - B. WASH SURFACES BY METHOD RECOMMENDED AND ACCEPTABLE TO WINDOW MANUFACTURER; RINSE AND WIPE SURFACES CLEAN.
- END OF SECTION 08 52 00

SECTION 08 71 00  
DOOR HARDWARE

## PART 1 GENERAL

### 1.01 SECTION INCLUDES

- A. HARDWARE FOR HOLLOW METAL DOORS.

### 1.02 RELATED REQUIREMENTS

- A. SECTION 08 11 13 - HOLLOW METAL DOORS AND FRAMES.

### 1.03 REFERENCE STANDARDS

- A. ADA STANDARDS - 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN; 2010.
- B. BHMA A156.1 - STANDARD FOR BUTTS AND HINGES; 2021.
- C. BHMA A156.2 - BORED AND PREASSEMBLED LOCKS AND LATCHES; 2022.
- D. BHMA A156.18 - STANDARD FOR MATERIALS AND FINISHES; 2020.
- E. BHMA A156.115 - HARDWARE PREPARATION IN STEEL DOORS AND FRAMES; 2016.
- F. ICC A117.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES; 2017.

### 1.04 ADMINISTRATIVE REQUIREMENTS

- A. COORDINATE THE MANUFACTURE, FABRICATION, AND INSTALLATION OF PRODUCTS THAT DOOR HARDWARE IS INSTALLED ON.
- B. FURNISH TEMPLATES FOR DOOR AND FRAME PREPARATION TO MANUFACTURERS AND FABRICATORS OF PRODUCTS REQUIRING INTERNAL REINFORCEMENT FOR DOOR HARDWARE.

### 1.05 SUBMITTALS

- A. PRODUCT DATA: MANUFACTURER'S CATALOG LITERATURE FOR EACH TYPE OF HARDWARE, MARKED TO CLEARLY SHOW PRODUCTS TO BE FURNISHED FOR THIS PROJECT, AND INCLUDES CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, FINISHES, AND DIMENSIONS AND PROFILES OF INDIVIDUAL COMPONENTS.
- B. SHOP DRAWINGS - DOOR HARDWARE SCHEDULE: SUBMIT DETAILED LISTING THAT INCLUDES EACH ITEM OF HARDWARE TO BE INSTALLED ON EACH DOOR, USE DOOR NUMBERING SCHEME AS INCLUDED IN CONTRACT DOCUMENTS.
  - 1. PREPARED BY OR UNDER SUPERVISION OF ARCHITECTURAL HARDWARE CONSULTANT (AHC).
  - 2. PROVIDE COMPLETE DESCRIPTION FOR EACH DOOR LISTED.
  - 3. PROVIDE MANUFACTURER NAME, PRODUCT NAMES, AND CATALOG NUMBERS; INCLUDE FUNCTIONS, TYPES, STYLES, SIZES AND FINISHES OF EACH ITEM.
- C. MANUFACTURER'S INSTALLATION INSTRUCTIONS: INDICATE SPECIAL PROCEDURES AND PERIMETER CONDITIONS REQUIRING SPECIAL ATTENTION.

### 1.06 QUALITY ASSURANCE

- A. MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING PRODUCTS SPECIFIED IN THIS SECTION WITH MINIMUM THREE YEARS OF DOCUMENTED EXPERIENCE.

### 1.07 WARRANTY

- A. SEE SECTION 01 78 00 - CLOSEOUT SUBMITTALS FOR ADDITIONAL WARRANTY REQUIREMENTS.
- B. MANUFACTURER'S WARRANTY: PROVIDE WARRANTY AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR PERIOD INDICATED. COMPLETE FORMS IN OWNER'S NAME AND REGISTER WITH MANUFACTURER.
  - 1. LOCKSETS AND CYLINDERS: THREE YEARS, MINIMUM.
  - 2. OTHER HARDWARE: TWO YEARS, MINIMUM.

## PART 2 PRODUCTS

### 2.01 DESIGN AND PERFORMANCE CRITERIA

- A. PROVIDE SPECIFIED DOOR HARDWARE AS REQUIRED TO MAKE DOORS FULLY FUNCTIONAL, COMPLIANT WITH APPLICABLE CODES, AND SECURE TO EXTENT INDICATED.
- B. PROVIDE INDIVIDUAL ITEMS OF SINGLE TYPE, OF SAME MODEL, AND BY SAME MANUFACTURER.
- C. PROVIDE DOOR HARDWARE PRODUCTS THAT COMPLY WITH THE FOLLOWING REQUIREMENTS:
  - 1. APPLICABLE PROVISIONS OF FEDERAL, STATE, AND LOCAL CODES.
  - 2. ACCESSIBILITY: ADA STANDARDS AND ICC A117.1.

### 2.02 HINGES

- A. HINGES: COMPLY WITH BHMA A156.1, GRADE 1.
  - 1. PROVIDE HINGES ON EVERY SWINGING DOOR.
  - 2. PROVIDE FOLLOWING QUANTITY OF BUTT HINGES FOR EACH DOOR:
    - a. DOORS FROM 60 INCHES HIGH UP TO 90 INCHES HIGH: THREE HINGES.

### 2.03 LOCK CYLINDERS

- A. LOCK CYLINDERS: PROVIDE KEY ACCESS ON OUTSIDE OF EACH LOCK, UNLESS OTHERWISE INDICATED.
  - 1. PROVIDE CYLINDERS FROM SAME MANUFACTURER AS LOCKING DEVICE.
  - 2. PROVIDE CAMS AND/OR TAILPIECES AS REQUIRED FOR LOCKING DEVICES.

### 2.04 CYLINDRICAL LOCKS

- A. CYLINDRICAL LOCKS (BORED): COMPLY WITH BHMA A156.2, GRADE 1, 4000 SERIES.
  - 1. BORED HOLE: 2-1/8 INCH DIAMETER.
  - 2. BACKSET: 2-3/4 INCH UNLESS OTHERWISE INDICATED.
  - 3. STRIKES: PROVIDE MANUFACTURER'S STANDARD STRIKE FOR EACH LATCHSET OR LOCKSET WITH STRIKE BOX AND CURVED LIP EXTENDING TO PROTECT FRAME IN COMPLIANCE WITH INDICATED REQUIREMENTS.
    - a. FINISH: TO MATCH LOCK OR LATCH.



SPECIFICATIONS

- 4. PROVIDE A LOCK FOR EACH DOOR, UNLESS OTHERWISE INDICATED THAT LOCK IS NOT REQUIRED.
5. PROVIDE PRIVACY LEVER LOCK WITH OUTSIDE INDICATOR "OCCUPIED."
2.05 COAT HOOKS
A. COAT HOOKS: PROVIDE ON ROOM SIDE OF DOOR, SCREW FASTENED.
B. MATERIAL: STAINLESS STEEL.
2.06 FINISHES
A. FINISHES: PROVIDE DOOR HARDWARE OF SAME FINISH, UNLESS OTHERWISE INDICATED.
1. PRIMARY FINISH: 625; BRIGHT CHROMIUM PLATED OVER NICKEL, WITH BRASS OR BRONZE BASE MATERIAL (FORMER US EQUIVALENT US26); BHMA A156.16.
2. SECONDARY FINISH: 626; SATIN CHROMIUM PLATED OVER NICKEL, WITH BRASS OR BRONZE BASE MATERIAL (FORMER US EQUIVALENT US26D); BHMA A156.16.

PART 3 EXECUTION

3.01 EXAMINATION

- A. VERIFY THAT DOORS AND FRAMES ARE READY TO RECEIVE THIS WORK; LABELED, FIRE-RATED DOORS AND FRAMES ARE PROPERLY INSTALLED, AND DIMENSIONS ARE AS INDICATED ON SHOP DRAWINGS.

3.02 INSTALLATION

- A. INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE CODES.
B. USE TEMPLATES PROVIDED BY HARDWARE ITEM MANUFACTURER.
C. DOOR HARDWARE MOUNTING HEIGHTS: DISTANCE FROM FINISHED FLOOR TO CENTER LINE OF HARDWARE AS INDICATED IN FOLLOWING LIST, UNLESS NOTED OTHERWISE IN DOOR HARDWARE SCHEDULE OR ON DRAWINGS.

3.03 CLEANING

- A. CLEAN FINISHED HARDWARE IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AFTER FINAL ADJUSTMENTS HAVE BEEN MADE.
B. CLEAN ADJACENT SURFACES SOILED BY HARDWARE INSTALLATION.

END OF SECTION 08 71 00

SECTION 09 21 18 GYPSUM BOARD ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. PERFORMANCE CRITERIA FOR GYPSUM BOARD ASSEMBLIES.
B. ACOUSTIC INSULATION.
C. GYPSUM SHEATHING.
D. GYPSUM WALLBOARD.
E. JOINT TREATMENT AND ACCESSORIES.
F. TEXTURED FINISH SYSTEM.

1.02 RELATED REQUIREMENTS

- A. SECTION 06 10 00 - ROUGH CARPENTRY: WOOD BLOCKING PRODUCT AND EXECUTION REQUIREMENTS.

1.03 REFERENCE STANDARDS

- A. ASTM C475/C475M - STANDARD SPECIFICATION FOR JOINT COMPOUND AND JOINT TAPE FOR FINISHING GYPSUM BOARD; 2017 (REAPPROVED 2022).
B. ASTM C840 - STANDARD SPECIFICATION FOR APPLICATION AND FINISHING OF GYPSUM BOARD; 2020.
C. ASTM C1047 - STANDARD SPECIFICATION FOR ACCESSORIES FOR GYPSUM WALLBOARD AND GYPSUM VENEER BASE; 2019.
D. ASTM C1178/C1178M - STANDARD SPECIFICATION FOR COATED GLASS MAT WATER-RESISTANT GYPSUM BACKING PANEL; 2018.
E. ASTM C1396/C1396M - STANDARD SPECIFICATION FOR GYPSUM BOARD; 2017.
F. ASTM C1658/C1658M - STANDARD SPECIFICATION FOR GLASS MAT GYPSUM PANELS; 2019, WITH EDITORIAL REVISION (2020).
G. ASTM D3273 - STANDARD TEST METHOD FOR RESISTANCE TO GROWTH OF MOLD ON THE SURFACE OF INTERIOR COATINGS IN AN ENVIRONMENTAL CHAMBER; 2021.
H. ASTM E90 - STANDARD TEST METHOD FOR LABORATORY MEASUREMENT OF AIRBORNE SOUND TRANSMISSION LOSS OF BUILDING PARTITIONS AND ELEMENTS; 2023.
I. ASTM E413 - CLASSIFICATION FOR RATING SOUND INSULATION; 2022.
J. GA-216 - APPLICATION AND FINISHING OF GYPSUM PANEL PRODUCTS; 2021.

1.04 SUBMITTALS

- A. PRODUCT DATA: PROVIDE DATA ON GYPSUM BOARD, ACCESSORIES, AND JOINT FINISHING SYSTEM.
B. TEST REPORTS: FOR STUD FRAMING PRODUCTS THAT DO NOT COMPLY WITH ASTM C645 OR ASTM C754, PROVIDE INDEPENDENT LABORATORY REPORTS SHOWING MAXIMUM STUD HEIGHTS AT REQUIRED SPACINGS AND DEFLECTIONS.

PART 2 PRODUCTS

2.01 GYPSUM BOARD ASSEMBLIES

- A. PROVIDE COMPLETED ASSEMBLIES COMPLYING WITH ASTM C840 AND GA-216.
B. INTERIOR PARTITIONS: PROVIDE COMPLETED ASSEMBLIES WITH THE FOLLOWING CHARACTERISTICS:
1. ACOUSTIC ATTENUATION: STC OF 45-49 CALCULATED IN ACCORDANCE WITH ASTM E413, BASED ON TESTS CONDUCTED IN ACCORDANCE WITH ASTM E90.

2.02 BOARD MATERIALS

- A. MANUFACTURERS - GYPSUM-BASED BOARD:
1. GEORGIA-PACIFIC GYPSUM: WWW.GPGYPSUM.COM#SLE.
2. NATIONAL GYPSUM COMPANY: WWW.NATIONALGYPSUM.COM#SLE.
3. USG CORPORATION: WWW.USG.COM#SLE.
B. GYPSUM WALLBOARD: PAPER-FACED GYPSUM PANELS AS DEFINED IN ASTM C1396/C1396M; SIZES TO MINIMIZE JOINTS IN PLACE; ENDS SQUARE CUT.
1. APPLICATION: USE FOR VERTICAL SURFACES AND CEILINGS, UNLESS OTHERWISE INDICATED.
2. GLASS MAT FACED GYPSUM PANELS, AS DEFINED IN ASTM C1658/C1658M, SUITABLE FOR PAINT FINISH, OF THE SAME CORE TYPE AND THICKNESS MAY BE SUBSTITUTED FOR PAPER-FACED BOARD.
3. MOLD RESISTANCE: SCORE OF 10, WHEN TESTED IN ACCORDANCE WITH ASTM D3273.
a. MOLD RESISTANT BOARD IS REQUIRED AT ALL LOCATIONS.
4. THICKNESS:
a. VERTICAL SURFACES: 5/8 INCH OR AS INDICATED ON THE DRAWINGS.
b. CEILINGS: 5/8 INCH OR AS INDICATED ON THE DRAWINGS.
C. BACKING BOARD FOR WET AREAS: ONE OF THE FOLLOWING PRODUCTS:
1. APPLICATION: SURFACES BEHIND WALL COVERING IN WET AREAS INCLUDING TUB AND SHOWER SURROUNDS AND SHOWER CEILINGS.
2. MOLD RESISTANCE: SCORE OF 10, WHEN TESTED IN ACCORDANCE WITH ASTM D3273.

- 3. GLASS MAT FACED BOARD: COATED GLASS MAT WATER-RESISTANT GYPSUM BACKING PANEL AS DEFINED IN ASTM C1178/C1178M.
a. REGULAR TYPE: THICKNESS 1/2 INCH.
b. PRODUCTS:
1. CERTAINTEEED CORPORATION; DIAMONDBACK 1/4" TILE BACKER: WWW.CERTAINTEEED.COM#SLE.
2. GEORGIA-PACIFIC GYPSUM; DENSSHIELD TILE BACKER: WWW.GPGYPSUM.COM#SLE.
3. NATIONAL GYPSUM COMPANY; GOLD BOND EXP TILE BACKER: WWW.NATIONALGYPSUM.COM#SLE.
D. CEILING BOARD: SPECIAL SAG RESISTANT GYPSUM CEILING BOARD AS DEFINED IN ASTM C1396/C1396M; SIZES TO MINIMIZE JOINTS IN PLACE; ENDS SQUARE CUT.
1. APPLICATION: CEILINGS, UNLESS OTHERWISE INDICATED.
2. THICKNESS: 5/8 INCH.
3. EDGES: TAPERED.

2.03 GYPSUM WALLBOARD ACCESSORIES

- A. ACOUSTIC INSULATION: ASTM C685; PREFORMED GLASS FIBER, FRICTION FIT TYPE, UNFACED, THICKNESS: THICKNESS OF WALL CAVITY PER DRAWINGS.
B. ACOUSTIC SEALANT: ACRYLIC EMULSION LATEX OR WATER-BASED ELASTOMERIC SEALANT; DO NOT USE SOLVENT-BASED NON-CURING BUTYL SEALANT.
1. PRODUCTS:
a. SPECIFIED TECHNOLOGIES INC; SMOKE N SOUND ACOUSTICAL SEALANT: WWW.STIFIRESTOP.COM#SLE.
b. SUBSTITUTIONS: SEE SECTION 01 60 00 - PRODUCT REQUIREMENTS.
C. FINISHING ACCESSORIES: ASTM C1047, GALVANIZED STEEL OR ROLLED ZINC, UNLESS NOTED OTHERWISE.
1. TYPES: AS DETAILED OR REQUIRED FOR FINISHED APPEARANCE.
2. SPECIAL SHAPES: IN ADDITION TO CONVENTIONAL CORNER BEAD AND CONTROL JOINTS, PROVIDE U-BEAD AT EXPOSED PANEL EDGES.
3. PRODUCTS:
a. SAME MANUFACTURER AS FRAMING MATERIALS.
b. SUBSTITUTIONS: SEE SECTION 01 60 00 - PRODUCT REQUIREMENTS.
D. BEADS, JOINT ACCESSORIES, AND OTHER TRIM: ASTM C1047, GALVANIZED STEEL OR ROLLED ZINC, UNLESS NOTED OTHERWISE.
E. JOINT MATERIALS: ASTM C475/C475M AND AS RECOMMENDED BY GYPSUM BOARD MANUFACTURER FOR PROJECT CONDITIONS.
F. TEXTURED FINISH MATERIALS: LATEX-BASED COMPOUND; PLAIN.
1. PRODUCTS:
a. CERTAINTEEED CORPORATION; EXTREME TEXTURE COAT/ACRYLIC TEXTURE WITH M2TECH: WWW.CERTAINTEEED.COM#SLE.
b. SHERWIN-WILLIAMS; TUFF SURFACE PREMIUM TEXTURE FINISH: WWW.SHERWIN-WILLIAMS.COM#SLE.

PART 3 EXECUTION

3.01 EXAMINATION

- A. VERIFY THAT PROJECT CONDITIONS ARE APPROPRIATE FOR WORK OF THIS SECTION TO COMMENCE.

3.02 FRAMING INSTALLATION

- A. STUDS: SPACE STUDS AT 16 INCHES ON CENTER.
1. EXTEND PARTITION FRAMING TO STRUCTURE WHERE INDICATED AND TO CEILING IN OTHER LOCATIONS.
2. PARTITIONS TERMINATING AT CEILING: ATTACH CEILING RUNNER SECURELY TO CEILING TRACK IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. OPENINGS: REINFORCE OPENINGS AS REQUIRED FOR WEIGHT OF DOORS OR OPERABLE PANELS, USING NOT LESS THAN DOUBLE STUDS AT JAMBS.
C. BLOCKING: INSTALL WOOD BLOCKING FOR SUPPORT OF:
1. FRAMED OPENINGS.
2. WALL-MOUNTED CABINETS.
3. PLUMBING FIXTURES.
4. TOILET ACCESSORIES.
5. WALL-MOUNTED DOOR HARDWARE.

3.03 ACOUSTIC ACCESSORIES INSTALLATION

- A. ACOUSTIC INSULATION: PLACE TIGHTLY WITHIN SPACES, AROUND CUT OPENINGS, BEHIND AND AROUND ELECTRICAL AND MECHANICAL ITEMS WITHIN PARTITIONS, AND TIGHT TO ITEMS PASSING THROUGH PARTITIONS.
B. ACOUSTIC SEALANT: INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

3.04 BOARD INSTALLATION

- A. COMPLY WITH ASTM C840, GA-216, AND MANUFACTURER'S INSTRUCTIONS. INSTALL TO MINIMIZE BUTT END JOINTS, ESPECIALLY IN HIGHLY VISIBLE LOCATIONS.
B. SINGLE-LAYER NONRATED: INSTALL GYPSUM BOARD IN MOST ECONOMICAL DIRECTION, WITH ENDS AND EDGES OCCURRING OVER FIRM BEARING.
C. EXPOSED GYPSUM BOARD IN INTERIOR WET AREAS: SEAL JOINTS, CUT EDGES, AND HOLES WITH WATER-RESISTANT SEALANT.
D. INSTALLATION ON WOOD FRAMING: FOR NONRATED ASSEMBLIES, INSTALL AS FOLLOWS:
1. SINGLE-LAYER APPLICATIONS: SCREW ATTACHMENT.

3.05 INSTALLATION OF TRIM AND ACCESSORIES

- A. CONTROL JOINTS: PLACE CONTROL JOINTS CONSISTENT WITH LINES OF BUILDING SPACES AND AS FOLLOWS:
1. NOT MORE THAN 30 FEET APART ON WALLS AND CEILINGS OVER 50 FEET LONG.
B. CORNER BEADS: INSTALL AT EXTERNAL CORNERS, USING LONGEST PRACTICAL LENGTHS.
C. EDGE TRIM: INSTALL AT LOCATIONS WHERE GYPSUM BOARD ABUTS DISSIMILAR MATERIALS.

3.06 JOINT TREATMENT

- A. FINISH GYPSUM BOARD IN ACCORDANCE WITH LEVELS DEFINED IN ASTM C840, AS FOLLOWS:
1. LEVEL 4: WALLS AND CEILINGS TO RECEIVE PAINT FINISH OR WALL COVERINGS, UNLESS OTHERWISE INDICATED.
2. LEVEL 3: WALLS TO RECEIVE TEXTURED WALL FINISH.
B. TAPE, FILL, AND SAND EXPOSED JOINTS, EDGES, AND CORNERS TO PRODUCE SMOOTH SURFACE READY TO RECEIVE FINISHES.
1. FEATHER COATS OF JOINT COMPOUND SO THAT CAMBER IS MAXIMUM 1/32 INCH.

3.07 TEXTURE FINISH

- A. APPLY FINISH TEXTURE COATING BY MEANS OF SPRAYING APPARATUS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. TEXTURE REQUIRED: MATCH EXISTING.

3.08 TOLERANCES

- A. MAXIMUM VARIATION OF FINISHED GYPSUM BOARD SURFACE FROM TRUE FLATNESS: 1/8 INCH IN 10 FEET IN ANY DIRECTION.

END OF SECTION 09 21 18

SECTION 09 30 00 TILING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. TILE FOR FLOOR APPLICATIONS.
B. CERAMIC TRIM.
C. NON-CERAMIC TRIM.

1.02 RELATED REQUIREMENTS

- A. SECTION 07 92 00 - JOINT SEALANTS: SEALING JOINTS BETWEEN TILE WORK AND ADJACENT CONSTRUCTION AND FIXTURES.
B. SECTION 09 21 16 - GYPSUM BOARD ASSEMBLIES: TILE BACKER BOARD.

1.03 REFERENCE STANDARDS

- A. ANSI A108.10 - CONTRACTOR'S OPTION: INSTALLATION OF CERAMIC TILE IN THE WET-SET METHOD WITH PORTLAND CEMENT MORTAR OR INSTALLATION OF CERAMIC TILE ON A CURED PORTLAND CEMENT MORTAR SETTING BED WITH DRY-SET, MODIFIED DRY-SET, OR IMPROVED MODIFIED DRY-SET CEMENT MORTAR; 2023.
B. ANSI A108.2 - AMERICAN NATIONAL STANDARD GENERAL REQUIREMENTS: MATERIALS, ENVIRONMENTAL AND WORKMANSHIP; 2019.
C. ANSI A108.4 - AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR INSTALLATION OF CERAMIC TILE WITH ORGANIC ADHESIVE OR WATER CLEANABLE TILE-SETTING EPOXY ADHESIVE; 2023.
D. ANSI A108.5 - SETTING OF CERAMIC TILE WITH DRY-SET CEMENT MORTAR, MODIFIED DRY-SET CEMENT MORTAR, EGP (EXTERIOR GLUE PLYWOOD) MODIFIED DRY-SET CEMENT MORTAR, OR IMPROVED MODIFIED DRY-SET CEMENT MORTAR; 2023.
E. ANSI A108.6 - AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR INSTALLATION OF CERAMIC TILE WITH CHEMICAL RESISTANT, WATER CLEANABLE TILE-SETTING AND -GROUT EPOXY; 2023.
F. ANSI A108.8 - AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR INSTALLATION OF CERAMIC TILE WITH CHEMICAL RESISTANT FURAN RESIN MORTAR AND GROUT; 1999 (REAFFIRMED 2024).
G. ANSI A108.9 - AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR INSTALLATION OF CERAMIC TILE WITH MODIFIED EPOXY EMULSION MORTAR/GROUT; 2023.
H. ANSI A108.10 - AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR INSTALLATION OF GROUT IN TILEWORK; 2017 (REAFFIRMED 2022).
I. ANSI A108.19 - AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR INTERIOR INSTALLATION OF GAUGED PORCELAIN TILES AND GAUGED PORCELAIN TILE PANELS/SLABS BY THE THIN-BED METHOD BONDED WITH MODIFIED DRY-SET CEMENT MORTAR OR IMPROVED MODIFIED DRY-SET CEMENT MORTAR; 2017.
J. ANSI A118.3 - AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CHEMICAL RESISTANT, WATER CLEANABLE TILE-SETTING AND -GROUTING EPOXY AND WATER CLEANABLE TILE-SETTING EPOXY ADHESIVE; 2021.
K. ANSI A118.4 - AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR MODIFIED DRY-SET CEMENT MORTAR; 2012 (REVISED).
L. TCNA (HB) - HANDBOOK FOR CERAMIC, GLASS, AND STONE TILE INSTALLATION; 2019.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. PREINSTALLATION MEETING: CONVENE A PREINSTALLATION MEETING ONE WEEK BEFORE STARTING WORK OF THIS SECTION; REQUIRE ATTENDANCE BY AFFECTED INSTALLERS.

1.05 SUBMITTALS

- A. PRODUCT DATA: PROVIDE MANUFACTURERS' DATA SHEETS ON TILE, MORTAR, GROUT, AND ACCESSORIES. INCLUDE INSTRUCTIONS FOR USING GROUTS AND ADHESIVES.
B. SHOP DRAWINGS: INDICATE TILE LAYOUT, PATTERNS, COLOR ARRANGEMENT, PERIMETER CONDITIONS, JUNCTIONS WITH DISSIMILAR MATERIALS, CONTROL AND EXPANSION JOINTS, THRESHOLDS, CERAMIC ACCESSORIES, AND SETTING DETAILS.
C. MANUFACTURER'S CERTIFICATE: CERTIFY THAT PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS.
D. INSTALLER'S QUALIFICATION STATEMENT:
1. SUBMIT DOCUMENTATION OF NATIONAL TILE CONTRACTORS ASSOCIATION (NTCA) OR TILE CONTRACTORS' ASSOCIATION OF AMERICA (TCAA) ACCREDITATION.
E. MAINTENANCE DATA: INCLUDE RECOMMENDED CLEANING METHODS, CLEANING MATERIALS, AND STAIN REMOVAL METHODS.
F. MAINTENANCE MATERIALS: FURNISH THE FOLLOWING FOR OWNER'S USE IN MAINTENANCE OF PROJECT:
1. SEE SECTION 01 60 00 - PRODUCT REQUIREMENTS, FOR ADDITIONAL PROVISIONS.
2. EXTRA TILE: 5 PERCENT OF EACH SIZE, COLOR, AND SURFACE FINISH COMBINATION.

1.06 QUALITY ASSURANCE

- A. INSTALLER QUALIFICATIONS:
1. COMPANY SPECIALIZING IN PERFORMING TILE INSTALLATION, WITH MINIMUM OF FIVE YEARS OF DOCUMENTED EXPERIENCE.

PART 2 PRODUCTS

2.01 TILE

- A. MANUFACTURERS: ALL PRODUCTS BY THE SAME MANUFACTURER.
1. REFERENCE FINISH LEGEND IN DRAWINGS FOR SPECIFIED PRODUCTS..

2.02 TRIM AND ACCESSORIES

- A. CERAMIC TRIM: MATCHING BULLNOSE CERAMIC SHAPES IN SIZES COORDINATED WITH FIELD TILE.
1. MANUFACTURERS: SAME AS FOR TILE.
B. NON-CERAMIC TRIM: SATIN NATURAL ANODIZED EXTRUDED ALUMINUM, STYLE AND DIMENSIONS TO SUIT APPLICATION, FOR SETTING USING TILE MORTAR OR ADHESIVE.
1. APPLICATIONS:
a. TRANSITION BETWEEN FLOOR FINISHES OF DIFFERENT HEIGHTS.
b. THRESHOLDS AT DOOR OPENINGS.
2. MANUFACTURERS:
a. FUTURA TRANSITIONS: FUTURATRANSITIONS.COM.

2.03 SETTING MATERIALS

- A. MANUFACTURERS:
1. ARDEX ENGINEERED CEMENTS: WWW.ARDEXAMERICAS.COM#SLE.
2. BOSTIK INC: WWW.BOSTIK-US.COM#SLE.
3. LATICRETE INTERNATIONAL, INC: WWW.LATICRETE.COM#SLE.
B. LATEX-PORTLAND CEMENT MORTAR BOND COAT: ANSI A118.4.
1. APPLICATIONS: USE THIS TYPE OF BOND COAT WHERE LARGE AND HEAVY TILE (LHT) MORTAR IS INDICATED.
2. PRODUCTS:
a. ARDEX ENGINEERED CEMENTS: ARDEX X 5: WWW.ARDEXAMERICAS.COM#SLE.
b. LATICRETE INTERNATIONAL, INC; 257 TITANIUM: WWW.LATICRETE.COM#SLE.

2.04 GROUTS

- A. MANUFACTURERS:

- 1. LATICRETE INTERNATIONAL, INC; LATICRETE SPECTRALOCK PRO PREMIUM GROUT: WWW.LATICRETE.COM#SLE.
B. EPOXY GROUT: ANSI A118.3 CHEMICAL RESISTANT AND WATER-CLEANABLE EPOXY GROUT.
1. COLOR(S): AS INDICATED ON FINISH LEGEND.
2. PRODUCTS:
a. LATICRETE INTERNATIONAL, INC; LATICRETE SPECTRALOCK PRO PREMIUM GROUT: WWW.LATICRETE.COM#SLE.

PART 3 EXECUTION

3.01 EXAMINATION

- A. VERIFY THAT SUBFLOOR SURFACES ARE SMOOTH AND FLAT WITHIN THE TOLERANCES SPECIFIED FOR THAT TYPE OF WORK AND ARE READY TO RECEIVE TILE.
B. VERIFY THAT WALL SURFACES ARE SMOOTH AND FLAT WITHIN THE TOLERANCES SPECIFIED FOR THAT TYPE OF WORK, ARE DUST-FREE, AND ARE READY TO RECEIVE TILE.
C. VERIFY THAT SUBFLOOR SURFACES ARE DUST FREE AND FREE OF SUBSTANCES THAT COULD IMPAIR BONDING OF SETTING MATERIALS TO SUBFLOOR SURFACES.
D. VERIFY THAT REQUIRED FLOOR-MOUNTED UTILITIES ARE IN CORRECT LOCATION.

3.02 PREPARATION

- A. PROTECT SURROUNDING WORK FROM DAMAGE.
B. VACUUM CLEAN SURFACES AND DAMP CLEAN.
C. SEAL SUBSTRATE SURFACE CRACKS WITH FILLER. LEVEL EXISTING SUBSTRATE SURFACES TO ACCEPTABLE FLATNESS TOLERANCES.
D. INSTALL BACKER BOARD IN ACCORDANCE WITH ANSI A108.11 AND BOARD MANUFACTURER'S INSTRUCTIONS. TAPE JOINTS AND CORNERS, COVER WITH SKIM COAT OF SETTING MATERIAL TO A FEATHER EDGE.
E. PREPARE SUBSTRATE SURFACES FOR ADHESIVE INSTALLATION IN ACCORDANCE WITH ADHESIVE MANUFACTURER'S INSTRUCTIONS.

3.03 INSTALLATION - GENERAL

- A. INSTALL TILE AND THRESHOLDS AND GROUT IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF ANSI A108.1A THROUGH ANSI A108.19, MANUFACTURER'S INSTRUCTIONS, AND TCNA (HB) RECOMMENDATIONS.
B. CUT AND FIT TILE TO PENETRATIONS THROUGH TILE, LEAVING SEALANT JOINT SPACE. FORM CORNERS AND BASES NEATLY. ALIGN FLOOR JOINTS.
C. PLACE TILE JOINTS UNIFORM IN WIDTH, SUBJECT TO VARIANCE IN TOLERANCE ALLOWED IN TILE SIZE. MAKE GROUT JOINTS WITHOUT VOIDS, CRACKS, EXCESS MORTAR OR EXCESS GROUT, OR TOO LITTLE GROUT.
D. FORM INTERNAL ANGLES SQUARE AND EXTERNAL ANGLES SQUARE.
E. INSTALL NON-CERAMIC TRIM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
F. SOUND TILE AFTER SETTING. REPLACE HOLLOW SOUNDING UNITS.
G. KEEP CONTROL AND EXPANSION JOINTS FREE OF MORTAR, GROUT, AND ADHESIVE.
H. PRIOR TO GROUTING, ALLOW INSTALLATION TO COMPLETELY CURE; MINIMUM OF 48 HOURS.
I. GROUT TILE JOINTS UNLESS OTHERWISE INDICATED. USE STANDARD GROUT UNLESS OTHERWISE INDICATED.
J. AT CHANGES IN PLANE AND TILE-TO-TILE CONTROL JOINTS, USE TILE SEALANT INSTEAD OF GROUT, WITH EITHER BOND BREAKER TAPE OR BACKER ROD AS APPROPRIATE TO PREVENT THREE-SIDED BONDING.

3.04 INSTALLATION - FLOORS - MORTAR BED METHODS

- A. OVER INTERIOR CONCRETE SUBSTRATES, INSTALL IN ACCORDANCE WITH TCNA (HB) METHOD F111, WITH CLEAVAGE MEMBRANE, UNLESS OTHERWISE INDICATED.
1. WHERE EPOXY OR FURAN GROUT IS INDICATED, BUT NOT EPOXY OR FURAN BOND COAT, INSTALL IN ACCORDANCE WITH TCNA (HB) METHOD F114, WITH CLEAVAGE MEMBRANE.
B. CLEAVAGE MEMBRANE: LAP EDGES AND ENDS.
C. MORTAR BED THICKNESS: 5/8 INCH, UNLESS OTHERWISE INDICATED.

3.05 CLEANING

- A. CLEAN TILE AND GROUT SURFACES.

3.06 PROTECTION

- A. DO NOT PERMIT TRAFFIC OVER FINISHED FLOOR SURFACE FOR 4 DAYS AFTER INSTALLATION.

END OF SECTION 09 30 00

SECTION 09 65 00 RESILIENT FLOORING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. RESILIENT SHEET FLOORING.
B. RESILIENT TILE FLOORING.
C. INSTALLATION ACCESSORIES.

1.02 REFERENCE STANDARDS

- A. ASTM F710 - STANDARD PRACTICE FOR PREPARING CONCRETE FLOORS TO RECEIVE RESILIENT FLOORING; 2019, WITH EDITORIAL REVISION (2020).
B. ASTM F1066 - STANDARD SPECIFICATION FOR VINYL COMPOSITION FLOOR TILE; 2004 (REAPPROVED 2018).
C. ASTM F1303 - STANDARD SPECIFICATION FOR SHEET VINYL FLOOR COVERING WITH BACKING; 2004 (REAPPROVED 2014).
D. ASTM F1861 - STANDARD SPECIFICATION FOR RESILIENT WALL BASE; 2016.
E. ASTM F1913 - STANDARD SPECIFICATION FOR VINYL SHEET FLOOR COVERING WITHOUT BACKING; 2019.
F. RFCI (RWP) - RECOMMENDED WORK PRACTICES FOR REMOVAL OF RESILIENT FLOOR COVERINGS; 2011.

1.03 SUBMITTALS

- A. PRODUCT DATA: PROVIDE DATA ON SPECIFIED PRODUCTS, DESCRIBING PHYSICAL AND PERFORMANCE CHARACTERISTICS, INCLUDING SIZES, PATTERNS AND COLORS AVAILABLE; AND INSTALLATION INSTRUCTIONS.
B. SHOP DRAWINGS: INDICATE SEAMING PLANS AND FLOOR PATTERNS.
C. VERIFICATION SAMPLES: SUBMIT TWO SAMPLES, 6 BY 6 INCH IN SIZE ILLUSTRATING COLOR AND PATTERN FOR EACH RESILIENT FLOORING PRODUCT SPECIFIED.
D. CONCRETE SUBFLOOR TEST REPORT: SUBMIT A COPY OF THE MOISTURE AND ALKALINITY (PH) TEST REPORTS.
E. MAINTENANCE MATERIALS: FURNISH THE FOLLOWING FOR OWNER'S USE IN MAINTENANCE OF PROJECT:
1. EXTRA FLOORING MATERIAL: 10 PERCENT OF EACH TYPE AND COLOR.

1.04 QUALITY ASSURANCE

- A. MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING SPECIFIED FLOORING WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE.

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SHEET SPECIFICATIONS

AUTHOR: JMS CHECKED: JMS
REVISION:
ISSUE DATE: 02.11.2026
OWNER CONTRACT:

A0.04

FULL SIZE PRINTED ON 22 x 34

FT. ABERCROMBIE RANGER STATION

ECI ARCHITECTURE DESIGN STRATEGY
821 N STREET, SUITE 201
ANCHORAGE, ALASKA 99501 907.561.5543
PROJECT NO. 24-003.00

CONSTRUCTION DOCUMENTS

**SPECIFICATIONS**

- B. INSTALLER QUALIFICATIONS: COMPANY SPECIALIZING IN INSTALLING SPECIFIED FLOORING WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE.
- 1.05 DELIVERY, STORAGE, AND HANDLING
A. UPON RECEIPT, IMMEDIATELY REMOVE ANY SHRINK-WRAP AND CHECK MATERIALS FOR DAMAGE AND THE CORRECT STYLE, COLOR, QUANTITY AND RUN NUMBERS.
B. STORE ALL MATERIALS OFF OF THE FLOOR IN AN ACCLIMATIZED, WEATHER-TIGHT SPACE.
C. MAINTAIN TEMPERATURE IN STORAGE AREA BETWEEN 55 DEGREES F AND 90 DEGREES F.
D. PROTECT ROLL MATERIALS FROM DAMAGE BY STORING ON END.
E. DO NOT DOUBLE STACK PALLETS.

- 1.06 FIELD CONDITIONS
A. STORE MATERIALS FOR NOT LESS THAN 48 HOURS PRIOR TO INSTALLATION IN AREA OF INSTALLATION AT A TEMPERATURE OF 70 DEGREES F TO ACHIEVE TEMPERATURE STABILITY. THEREAFTER, MAINTAIN CONDITIONS ABOVE 55 DEGREES F.

**PART 2 PRODUCTS**

- 2.01 SHEET FLOORING
A. VINYL SHEET FLOORING - SLIP RESISTANT: WITH COLOR AND PATTERN THROUGHOUT FULL THICKNESS.
1. MANUFACTURERS:
a. SHAW CONTRACT.
2. MINIMUM REQUIREMENTS: COMPLY WITH ASTM F1913.
3. THICKNESS: 0.079 INCH NOMINAL.
4. SEAMS: HEAT WELDED.
5. INTEGRAL COVED BASE WITH CAP STRIP.
6. COLOR: AS INDICATED ON FINISH LEGEND.

- B. WELDING ROD: SOLID BEAD IN MATERIAL COMPATIBLE WITH FLOORING, PRODUCED BY FLOORING MANUFACTURER FOR HEAT WELDING SEAMS, AND IN COLOR MATCHING FIELD COLOR.

**2.02 TILE FLOORING**

- A. PVC-FREE RESILIENT TILE: REINFORCED THERMOPLASTIC POLYMER CONSTRUCTION; EDCWORKS WEAR SURFACE.
1. MANUFACTURERS:
a. SHAW CONTRACT.
2. PLANK TILE SIZE: 8.27 BY 50.79 INCH.
3. THICKNESS: 0.098 INCH NOMINAL.
4. COLOR: AS INDICATED ON FINISH LEGEND.

**2.03 ACCESSORIES**

- A. SUBFLOOR FILLER: WHITE PREMIX LATEX; TYPE RECOMMENDED BY ADHESIVE MATERIAL MANUFACTURER.
B. PRIMERS, ADHESIVES, AND SEAM SEALER: WATERPROOF; TYPES RECOMMENDED BY FLOORING MANUFACTURER.
C. ADHESIVE FOR VINYL FLOORING:
1. MANUFACTURERS:
a. H.B. FULLER CONSTRUCTION PRODUCTS, INC; TEC FLEXERA PREMIUM UNIVERSAL ADHESIVE: WWW.TECSPECIALTY.COM#SLE.
b. STAUF USA, LLC; D737 HIGH-TACK: WWW.STAUFUSA.COM#SLE.
c. SUBSTITUTIONS: SECTION 01 60 00 - PRODUCT REQUIREMENTS.
D. MOLDINGS, TRANSITION AND EDGE STRIPS: SAME MATERIAL AS FLOORING.
E. FILLER FOR COVED BASE: PLASTIC.

**PART 3 EXECUTION**

- 3.01 EXAMINATION
A. VERIFY THAT SURFACES ARE FLAT TO TOLERANCES ACCEPTABLE TO FLOORING MANUFACTURER. FREE OF CRACKS THAT MIGHT TELEGRAPH THROUGH FLOORING. CLEAN, DRY, AND FREE OF CURING COMPOUNDS, SURFACE HARDENERS, AND OTHER CHEMICALS THAT MIGHT INTERFERE WITH BONDING OF FLOORING TO SUBSTRATE.
B. CEMENTITIOUS SUBFLOOR SURFACES: VERIFY THAT SUBSTRATES ARE READY FOR RESILIENT FLOORING INSTALLATION BY TESTING FOR MOISTURE AND ALKALINITY (PH).
1. TEST IN ACCORDANCE WITH SECTION 09 05 61.
2. OBTAIN INSTRUCTIONS IF TEST RESULTS ARE NOT WITHIN LIMITS RECOMMENDED BY RESILIENT FLOORING MANUFACTURER AND ADHESIVE MATERIALS MANUFACTURER.

- 3.02 PREPARATION
A. REMOVE EXISTING RESILIENT FLOORING AND FLOORING ADHESIVES: FOLLOW THE RECOMMENDATIONS OF RFCI (RWP).
B. REMOVE SUBFLOOR RIDGES AND BUMPS. FILL MINOR LOW SPOTS, CRACKS, JOINTS, HOLES, AND OTHER DEFECTS WITH SUBFLOOR FILLER TO ACHIEVE SMOOTH, FLAT, HARD SURFACE.
C. PROHIBIT TRAFFIC UNTIL FILLER IS FULLY CURED.

**3.03 INSTALLATION - GENERAL**

- A. STARTING INSTALLATION CONSTITUTES ACCEPTANCE OF SUBFLOOR CONDITIONS.
B. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
C. WHERE TYPE OF FLOOR FINISH, PATTERN, OR COLOR ARE DIFFERENT ON OPPOSITE SIDES OF DOOR, TERMINATE FLOORING UNDER CENTERLINE OF DOOR.
D. INSTALL EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES, WHERE FLOORING TERMINATES, AND WHERE INDICATED.

**3.04 INSTALLATION - SHEET FLOORING**

- A. LAY FLOORING WITH JOINTS AND SEAMS PARALLEL TO LONGER ROOM DIMENSIONS, TO PRODUCE MINIMUM NUMBER OF SEAMS. LAY OUT SEAMS TO AVOID WIDTHS LESS THAN 1/3 OF ROLL WIDTH; MATCH PATTERNS AT SEAMS.
B. SEAL SEAMS BY HEAT WELDING WHERE INDICATED.
C. COVED BASE: INSTALL AS DETAILED ON DRAWINGS, USING COVED BASE FILLER AS BACKING AT FLOOR TO WALL JUNCTION. EXTEND SHEET FLOORING VERTICALLY TO HEIGHT INDICATED, AND COVER TOP EDGE WITH METAL CAP STRIP.

**3.05 INSTALLATION - TILE FLOORING**

- A. MIX TILE FROM CONTAINER TO ENSURE SHADE VARIATIONS ARE CONSISTENT WHEN TILE IS PLACED, UNLESS OTHERWISE INDICATED IN MANUFACTURER'S INSTALLATION INSTRUCTIONS.
B. INSTALL PLANK TILE WITH A RANDOM OFFSET OF AT LEAST 6 INCHES FROM ADJACENT ROWS.

**3.06 CLEANING**

- A. REMOVE EXCESS ADHESIVE FROM FLOOR, BASE, AND WALL SURFACES WITHOUT DAMAGE.
B. CLEAN IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

**3.07 PROTECTION**

- A. PROHIBIT TRAFFIC ON RESILIENT FLOORING FOR 48 HOURS AFTER INSTALLATION.

END OF SECTION 09 65 00

SECTION 09 68 13
TILE CARPETING

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. CARPET TILE, FULLY ADHERED.
B. REMOVAL OF EXISTING CARPET TILE.

**1.02 REFERENCE STANDARDS**

- A. ASTM D2859 - STANDARD TEST METHOD FOR IGNITION CHARACTERISTICS OF FINISHED TEXTILE FLOOR COVERING MATERIALS; 2018 (REAPPROVED 2021).
B. CRI 104 - STANDARD FOR INSTALLATION OF COMMERCIAL CARPET; 2015.

**1.03 SUBMITTALS**

- A. PRODUCT DATA: PROVIDE DATA ON SPECIFIED PRODUCTS, DESCRIBING PHYSICAL AND PERFORMANCE CHARACTERISTICS; SIZES, PATTERNS, COLORS AVAILABLE, AND METHOD OF INSTALLATION.
B. SAMPLES: SUBMIT TWO CARPET TILES ILLUSTRATING COLOR FOR EACH CARPET COLOR SELECTED.

**1.04 QUALITY ASSURANCE**

- A. INSTALLER QUALIFICATIONS: COMPANY SPECIALIZING IN INSTALLING CARPET TILE WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE AND APPROVED BY CARPET TILE MANUFACTURER.

**1.05 FIELD CONDITIONS**

- A. STORE MATERIALS IN AREA OF INSTALLATION FOR MINIMUM PERIOD OF 24 HOURS PRIOR TO INSTALLATION.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. TILE CARPETING:
1. SHAW CONTRACT: WWW.SHAWCONTRACT.COM.

**2.02 MATERIALS**

- A. TILE CARPETING: TUFTED, MANUFACTURED IN ONE COLOR DYE LOT.
1. COLOR: SEE FINISH SCHEDULE.
2. PRIMARY BACKING MATERIAL: NON WOVEN

**2.03 ACCESSORIES**

- A. EDGE STRIPS: EMBOSSED ALUMINUM, COLOR AS SELECTED BY ARCHITECT.
B. CARPET TILE ADHESIVE: RECOMMENDED BY CARPET TILE MANUFACTURER; RELEASABLE TYPE.

**PART 3 EXECUTION**

**3.01 EXAMINATION**

- A. VERIFY THAT SUBFLOOR SURFACES ARE SMOOTH AND FLAT WITHIN TOLERANCES SPECIFIED FOR THAT TYPE OF WORK AND ARE READY TO RECEIVE CARPET TILE.
B. VERIFY THAT WALL SURFACES ARE SMOOTH AND FLAT WITHIN THE TOLERANCES SPECIFIED FOR THAT TYPE OF WORK, ARE DUST-FREE, AND ARE READY TO RECEIVE CARPET TILE.
C. VERIFY THAT SUBFLOOR SURFACES ARE DUST-FREE AND FREE OF SUBSTANCES THAT COULD IMPAIR BONDING OF ADHESIVE MATERIALS TO SUBFLOOR SURFACES.

**3.02 PREPARATION**

- A. REMOVE EXISTING CARPET TILE.
B. PREPARE FLOOR SUBSTRATES AS RECOMMENDED BY FLOORING AND ADHESIVE MANUFACTURERS.

**3.03 INSTALLATION**

- A. STARTING INSTALLATION CONSTITUTES ACCEPTANCE OF SUBFLOOR CONDITIONS.
B. INSTALL CARPET TILE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
C. BLEND CARPET FROM DIFFERENT CARTONS TO ENSURE MINIMAL VARIATION IN COLOR MATCH.
D. CUT CARPET TILE CLEAN. FIT CARPET TIGHT TO INTERSECTION WITH VERTICAL SURFACES WITHOUT GAPS.
E. LAY CARPET TILE IN SQUARE PATTERN, WITH PILE DIRECTION PARALLEL TO NEXT UNIT, SET PARALLEL TO BUILDING LINES.
F. TRIM CARPET TILE NEATLY AT WALLS AND AROUND INTERRUPTIONS.
G. COMPLETE INSTALLATION OF EDGE STRIPS, CONCEALING EXPOSED EDGES.

**3.04 CLEANING**

- A. REMOVE EXCESS ADHESIVE WITHOUT DAMAGE, FROM FLOOR, BASE, AND WALL SURFACES.
B. CLEAN AND VACUUM CARPET SURFACES.

END OF SECTION 09 68 13

SECTION 09 91 13
EXTERIOR PAINTING

**PART 2 PRODUCTS**

**1.01 PAINTS AND FINISHES - GENERAL**

- A. PAINTS AND FINISHES: READY-MIXED, UNLESS REQUIRED TO BE A FIELD-CATALYZED PAINT.
1. PROVIDE PAINTS AND FINISHES OF A SOFT PASTE CONSISTENCY, CAPABLE OF BEING READILY AND UNIFORMLY DISPERSED TO A HOMOGENEOUS COATING, WITH GOOD FLOW AND BRUSHING PROPERTIES, AND CAPABLE OF DRYING OR CURING FREE OF STREAKS OR SAGS.
2. SUPPLY EACH PAINT MATERIAL IN QUANTITY REQUIRED TO COMPLETE ENTIRE PROJECT'S WORK FROM A SINGLE PRODUCTION RUN.
3. DO NOT REDUCE, THIN, OR DILUTE PAINT OR FINISHES OR ADD MATERIALS UNLESS SUCH PROCEDURE IS DESCRIBED EXPLICITLY IN MANUFACTURER'S PRODUCT INSTRUCTIONS.

**PART 3 EXECUTION**

**2.01 PREPARATION**

- A. CLEAN SURFACES THOROUGHLY AND CORRECT DEFECTS PRIOR TO APPLICATION.
B. PREPARE SURFACES USING THE METHODS RECOMMENDED BY THE MANUFACTURER FOR ACHIEVING THE BEST RESULT FOR THE SUBSTRATE UNDER THE PROJECT CONDITIONS.
C. REMOVE OR MASK SURFACE APPURTENANCES, INCLUDING ELECTRICAL PLATES, HARDWARE, LIGHT FIXTURE TRIM, ESCUTCHEONS, AND FITTINGS, PRIOR TO PREPARING SURFACES FOR FINISHING.
D. SEAL SURFACES THAT MIGHT CAUSE BLEED THROUGH OR STAINING OF TOPCOAT.
E. REMOVE MILDEW FROM IMPERVIOUS SURFACES BY SCRUBBING WITH SOLUTION OF TETRA-SODIUM PHOSPHATE AND BLEACH. RINSE WITH CLEAN WATER AND ALLOW SURFACE TO DRY.

**2.02 APPLICATION**

- A. APPLY PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS IN "MPI ARCHITECTURAL PAINTING SPECIFICATION MANUAL".
B. DO NOT APPLY FINISHES TO SURFACES THAT ARE NOT DRY. ALLOW APPLIED COATS TO DRY BEFORE NEXT COAT IS APPLIED.

- C. APPLY EACH COAT TO UNIFORM APPEARANCE.
D. VACUUM CLEAN SURFACES OF LOOSE PARTICLES, USE TACK CLOTH TO REMOVE DUST AND PARTICLES JUST PRIOR TO APPLYING NEXT COAT.
E. REINSTALL ELECTRICAL COVER PLATES, HARDWARE, LIGHT FIXTURE TRIM, ESCUTCHEONS, AND FITTINGS REMOVED PRIOR TO FINISHING.

END OF SECTION 09 91 13

SECTION 09 91 23
INTERIOR PAINTING

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. SURFACE PREPARATION.
B. FIELD APPLICATION OF PAINTS.
C. SCOPE: FINISH INTERIOR SURFACES EXPOSED TO VIEW, UNLESS FULLY FACTORY-FINISHED AND UNLESS OTHERWISE INDICATED.
1. MECHANICAL AND ELECTRICAL:
a. IN FINISHED AREAS, PAINT INSULATED AND EXPOSED PIPES, CONDUIT, BOXES, INSULATED AND EXPOSED DUCTS, HANGERS, BRACKETS, COLLARS AND SUPPORTS, MECHANICAL EQUIPMENT, AND ELECTRICAL EQUIPMENT, UNLESS OTHERWISE INDICATED.
D. DO NOT PAINT OR FINISH THE FOLLOWING ITEMS:
1. ITEMS FACTORY-FINISHED UNLESS OTHERWISE INDICATED; MATERIALS AND PRODUCTS HAVING FACTORY-APPLIED PRIMERS ARE NOT CONSIDERED FACTORY FINISHED.
2. ITEMS INDICATED TO RECEIVE OTHER FINISHES.
3. ITEMS INDICATED TO REMAIN UNFINISHED.
4. FIRE RATING LABELS, EQUIPMENT SERIAL NUMBER AND CAPACITY LABELS, BAR CODE LABELS, AND OPERATING PARTS OF EQUIPMENT.
5. STAINLESS STEEL, ANODIZED ALUMINUM, BRONZE, TERNE-COATED STAINLESS STEEL, AND LEAD ITEMS.
6. FLOORS, UNLESS SPECIFICALLY INDICATED.
7. GLASS.
8. CONCEALED PIPES, DUCTS, AND CONDUITS.

- 1.02 RELATED REQUIREMENTS
A. SECTION 09 91 13 - EXTERIOR PAINTING.
1.03 REFERENCE STANDARDS
A. ASTM D4442 - STANDARD TEST METHODS FOR DIRECT MOISTURE CONTENT MEASUREMENT OF WOOD AND WOOD-BASED MATERIALS; 2020.
B. MPI (APSM) - MASTER PAINTERS INSTITUTE ARCHITECTURAL PAINTING SPECIFICATION MANUAL; CURRENT EDITION.
1.04 SUBMITTALS
A. PRODUCT DATA: PROVIDE COMPLETE LIST OF PRODUCTS TO BE USED, WITH THE FOLLOWING INFORMATION FOR EACH:
1. MANUFACTURER'S NAME, PRODUCT NAME AND/OR CATALOG NUMBER, AND GENERAL PRODUCT CATEGORY (E.G., "ALKYD ENAMEL").
2. MPI PRODUCT NUMBER (E.G., MPI #47).
3. CROSS-REFERENCE TO SPECIFIED PAINT SYSTEM PRODUCTS TO BE USED IN PROJECT; INCLUDE DESCRIPTION OF EACH SYSTEM.
B. SAMPLES: SUBMIT THREE PAPER "DRAW DOWN" SAMPLES, 8-1/2 BY 11 INCHES IN SIZE, ILLUSTRATING RANGE OF COLORS AVAILABLE FOR EACH FINISHING PRODUCT SPECIFIED.
1. WHERE SHEEN IS SPECIFIED, SUBMIT SAMPLES IN ONLY THAT SHEEN.
2. WHERE SHEEN IS NOT SPECIFIED, SUBMIT EACH COLOR IN EACH SHEEN AVAILABLE.

**1.05 QUALITY ASSURANCE**

- A. MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING THE PRODUCTS SPECIFIED, WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE.
1.06 DELIVERY, STORAGE, AND HANDLING
A. DELIVER PRODUCTS TO SITE IN SEALED AND LABELED CONTAINERS; INSPECT TO VERIFY ACCEPTABILITY.
B. CONTAINER LABEL: INCLUDE MANUFACTURER'S NAME, TYPE OF PAINT, BRAND NAME, LOT NUMBER, BRAND CODE, COVERAGE, SURFACE PREPARATION, DRYING TIME, CLEANUP REQUIREMENTS, COLOR DESIGNATION, AND INSTRUCTIONS FOR MIXING AND REDUCING.
C. PAINT MATERIALS: STORE AT MINIMUM AMBIENT TEMPERATURE OF 45 DEGREES F AND A MAXIMUM OF 90 DEGREES F, IN VENTILATED AREA, AND AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS.

**PART 2 PRODUCTS**

**2.01 PAINTS AND FINISHES - GENERAL**

- A. PAINTS AND FINISHES: READY-MIXED, UNLESS INTENDED TO BE A FIELD-CATALYZED PAINT.
1. PROVIDE PAINTS AND FINISHES OF A SOFT PASTE CONSISTENCY, CAPABLE OF BEING READILY AND UNIFORMLY DISPERSED TO A HOMOGENEOUS COATING, WITH GOOD FLOW AND BRUSHING PROPERTIES, AND CAPABLE OF DRYING OR CURING FREE OF STREAKS OR SAGS.
2. SUPPLY EACH PAINT MATERIAL IN QUANTITY REQUIRED TO COMPLETE ENTIRE PROJECT'S WORK FROM A SINGLE PRODUCTION RUN.
3. DO NOT REDUCE, THIN, OR DILUTE PAINT OR FINISHES OR ADD MATERIALS UNLESS SUCH PROCEDURE IS SPECIFICALLY DESCRIBED IN MANUFACTURER'S PRODUCT INSTRUCTIONS.

**2.02 PRIMERS**

- A. PRIMERS: PROVIDE THE FOLLOWING UNLESS OTHER PRIMER IS REQUIRED OR RECOMMENDED BY MANUFACTURER OF TOP COATS.
1. INTERIOR DRYWALL PRIMER SEALER.

**2.03 ACCESSORY MATERIALS**

- A. ACCESSORY MATERIALS: PROVIDE PRIMERS, SEALERS, CLEANING AGENTS, CLEANING CLOTHS, SANDING MATERIALS, AND CLEAN-UP MATERIALS AS REQUIRED FOR FINAL COMPLETION OF PAINTED SURFACES.
B. PATCHING MATERIAL: LATEX FILLER.
C. FASTENER HEAD COVER MATERIAL: LATEX FILLER.

**PART 3 EXECUTION**

**3.01 EXAMINATION**

- A. DO NOT BEGIN APPLICATION OF PAINTS AND FINISHES UNTIL SUBSTRATES HAVE BEEN ADEQUATELY PREPARED.
B. VERIFY THAT SURFACES ARE READY TO RECEIVE WORK AS INSTRUCTED BY THE PRODUCT MANUFACTURER.
C. EXAMINE SURFACES SCHEDULED TO BE FINISHED PRIOR TO COMMENCEMENT OF WORK. REPORT ANY CONDITION THAT MAY POTENTIALLY AFFECT PROPER APPLICATION.
D. TEST SHOP-APPLIED PRIMER FOR COMPATIBILITY WITH SUBSEQUENT COVER MATERIALS.
E. MEASURE MOISTURE CONTENT OF SURFACES USING AN ELECTRONIC MOISTURE METER. DO NOT APPLY FINISHES UNLESS MOISTURE CONTENT OF SURFACES IS BELOW THE FOLLOWING MAXIMUMS:

- 1. GYPSUM WALLBOARD: 12 PERCENT.
2. INTERIOR WOOD: 16 PERCENT, MEASURED IN ACCORDANCE WITH ASTM D4442.

**3.02 PREPARATION**

- A. CLEAN SURFACES THOROUGHLY AND CORRECT DEFECTS PRIOR TO APPLICATION.
B. PREPARE SURFACES USING THE METHODS RECOMMENDED BY THE MANUFACTURER FOR ACHIEVING THE BEST RESULT FOR THE SUBSTRATE UNDER THE PROJECT CONDITIONS.
C. REMOVE OR MASK SURFACE APPURTENANCES, INCLUDING ELECTRICAL PLATES, HARDWARE, LIGHT FIXTURE TRIM, ESCUTCHEONS, AND FITTINGS, PRIOR TO PREPARING SURFACES OR FINISHING.
D. SEAL SURFACES THAT MIGHT CAUSE BLEED THROUGH OR STAINING OF TOPCOAT.
E. GYPSUM BOARD: FILL MINOR DEFECTS WITH FILLER COMPOUND. SPOT PRIME DEFECTS AFTER REPAIR.
F. WOOD SURFACES TO RECEIVE OPAQUE FINISH: WIPE OFF DUST AND GRIT PRIOR TO PRIMING. SEAL KNOTS, PITCH STREAKS, AND SAPPY SECTIONS WITH SEALER. FILL NAIL HOLES AND CRACKS AFTER PRIMER HAS DRIED; SAND BETWEEN COATS. BACK PRIME CONCEALED SURFACES BEFORE INSTALLATION.
G. METAL DOORS TO BE PAINTED: PRIME METAL DOOR TOP AND BOTTOM EDGE SURFACES.

**3.03 APPLICATION**

- A. PATCH AND PAINT ALL AREAS WHICH ARE DAMAGED OR MODIFIED DUE TO NEW CONSTRUCTION.
B. REMOVE UNFINISHED LOUVERS, GRILLES, COVERS, AND ACCESS PANELS ON MECHANICAL AND ELECTRICAL COMPONENTS AND PAINT SEPARATELY.
C. APPLY PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS IN "MPI ARCHITECTURAL PAINTING SPECIFICATION MANUAL".
D. WHERE ADJACENT SEALANT IS TO BE PAINTED, DO NOT APPLY FINISH COATS UNTIL SEALANT IS APPLIED.
E. DO NOT APPLY FINISHES TO SURFACES THAT ARE NOT DRY. ALLOW APPLIED COATS TO DRY BEFORE NEXT COAT IS APPLIED.
F. APPLY EACH COAT TO UNIFORM APPEARANCE IN THICKNESSES SPECIFIED BY MANUFACTURER.
G. SAND WOOD AND METAL SURFACES LIGHTLY BETWEEN COATS TO ACHIEVE REQUIRED FINISH.
H. VACUUM CLEAN SURFACES OF LOOSE PARTICLES, USE TACK CLOTH TO REMOVE DUST AND PARTICLES JUST PRIOR TO APPLYING NEXT COAT.
I. REINSTALL ELECTRICAL COVER PLATES, HARDWARE, LIGHT FIXTURE TRIM, ESCUTCHEONS, AND FITTINGS REMOVED PRIOR TO FINISHING.

**3.04 CLEANING**

- A. COLLECT WASTE MATERIAL THAT COULD CONSTITUTE A FIRE HAZARD, PLACE IN CLOSED METAL CONTAINERS, AND REMOVE DAILY FROM SITE.

**3.05 PROTECTION**

- A. PROTECT FINISHES UNTIL COMPLETION OF PROJECT.
B. TOUCH-UP DAMAGED FINISHES AFTER SUBstantial COMPLETION.

END OF SECTION 09 91 23
SECTION 10 28 00
TOILET, BATH, AND LAUNDRY ACCESSORIES

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. COMMERCIAL TOILET ACCESSORIES.
B. COMMERCIAL SHOWER AND BATH ACCESSORIES.
C. RESIDENTIAL TOILET, SHOWER, AND BATH ACCESSORIES.

**1.02 RELATED REQUIREMENTS**

- A. SECTION 22 40 00 - PLUMBING FIXTURES: UNDER-LAVATORY PIPE AND SUPPLY COVERS.

**1.03 REFERENCE STANDARDS**

- A. ADA STANDARDS - 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN; 2010.
B. ASTM C1036 - STANDARD SPECIFICATION FOR FLAT GLASS; 2021.
C. ASTM C1822 - STANDARD SPECIFICATION FOR INSULATING COVERS ON ACCESSIBLE LAVATORY PIPING; 2021.

**PART 2 PRODUCTS**

**2.01 FINISHES**

- A. STAINLESS STEEL: SATIN FINISH, UNLESS OTHERWISE NOTED.

**2.02 COMMERCIAL TOILET ACCESSORIES**

- A. TOILET PAPER DISPENSER: DOUBLE ROLL, SURFACE MOUNTED, FOR CORED OR CORELESS TYPE ROLLS.
1. BASIS OF DESIGN:
a. BOBRICK WASHROOM EQUIPMENT, INC. B-2892 WWW.BOBRICK.COM#SLE.
B. PAPER TOWEL DISPENSER: ELECTRIC, ROLL PAPER TYPE.
1. MATERIAL: THERMOPLASTIC POLYMER.
2. PAPER DISCHARGE: TOUCHLESS AUTOMATIC.
3. CAPACITY: 8 INCH DIAMETER ROLL.
4. MOUNTING: SURFACE MOUNTED.
5. POWER: BATTERY OPERATED.
6. REFILL INDICATOR: TRANSPARENT VIEWING SLOT.
7. BASIS OF DESIGN:
a. GEORGIA-PACIFIC CONSUMER PRODUCTS LP. 54518 AUTO DISPENSER WWW.GPPRO.COM#SLE.
C. SOAP DISPENSER: LIQUID SOAP DISPENSER, WALL-MOUNTED, SURFACE, PUSH TYPE SOAP VALVE, CHECK VALVE, AND WINDOW GAUGE REFILL INDICATOR.
1. BASIS OF DESIGN:
a. ULINE GOJO WALL MOUNT DISPENSER H-3043 WWW.ULINE.COM#SLE.
D. MIRRORS: STAINLESS STEEL FRAMED, 1/4 INCH THICK ANNEALED FLOAT GLASS; ASTM C1036.
1. SIZE: 24 INCHES X 36 INCHES.
2. FRAME: 0.05 INCHANGLE SHAPES, WITH MITERED AND WELDED AND GROUND CORNERS, AND TAMPERPROOF HANGING SYSTEM; SATIN FINISH.
3. BASIS OF DESIGN:
a. BOBRICK WASHROOM EQUIPMENT, INC. B-290 2436 WWW.BOBRICK.COM#SLE.
E. GRAB BARS: STAINLESS STEEL, SMOOTH SURFACE.
1. STANDARD DUTY GRAB BARS:
a. PUSH/PULL POINT LOAD: 250 POUND-FORCE, MINIMUM.
b. DIMENSIONS: 1-1/4 INCH OUTSIDE DIAMETER, MINIMUM 0.05 INCH WALL THICKNESS, EXPOSED FLANGE MOUNTING, 1-1/2 INCH CLEARANCE BETWEEN WALL AND INSIDE OF GRAB BAR.
c. FINISH: SATIN.
d. LENGTH AND CONFIGURATION: AS INDICATED ON DRAWINGS.
e. BASIS OF DESIGN:
1) BOBRICK WASHROOM EQUIPMENT, INC. B-6806 WWW.BOBRICK.COM#SLE.
2.03 COMMERCIAL SHOWER AND BATH ACCESSORIES



SPECIFICATIONS

- A. SHOWER CURTAIN ROD: STAINLESS STEEL TUBE, 1 INCH OUTSIDE DIAMETER, 0.04 INCH WALL THICKNESS, SATIN-FINISHED, WITH 2 -1/2 INCH SQUARE OUTSIDE DIMENSION, MINIMUM 0.04 INCH THICK SATIN-FINISHED STAINLESS STEEL FLANGES, FOR CONCEALED MOUNTING.
1. BASIS OF DESIGN:
a. BOBRICK WASHROOM EQUIPMENT, INC. B-6107 BY 36 INCHES, B-6107 BY 70 INCHES WWW.BOBRIK.COM#SLE.
2.04 RESIDENTIAL TOILET, SHOWER, AND BATH ACCESSORIES
A. MEDICINE CABINET: METAL CABINET, SHELVES, AND DOOR; SURFACE MOUNTED.
1. OVERALL SIZE: 25 INCHES WIDE BY 28 INCHES HIGH.
2. CABINET CONSTRUCTION: ALUMINUM, SATIN ANODIZED FINISH; FULL-MIRRORRED INTERIOR.
3. SHELVES: ADJUSTABLE, GLASS; PROVIDE NOT LESS THAN TWO SHELVES.
4. DOOR TYPE: MIRROR WITH SATIN FINISH STAINLESS STEEL FRAME.
5. DUAL DOORS: FITTED WITH CABINET-STYLE HINGES WITH THREE-WAY ADJUSTMENT.
6. BASIS OF DESIGN:
a. KOHLER CO. EMBARK K-55063 WWW.KOHLER.COM#SLE.
B. ROBE / TOWEL HOOK: SINGLE-PRONG, CONCEALED ATTACHMENT.
1. MATERIAL: STAINLESS STEEL; SATIN FINISH.
2. BASIS OF DESIGN:
a. BOBRICK WASHROOM EQUIPMENT, INC. B-6727 WWW.BOBRIK.COM#SLE.

- PART 3 EXECUTION
3.01 INSTALLATION
A. INSTALL ACCESSORIES IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS IN LOCATIONS INDICATED ON DRAWINGS.
B. INSTALL PLUMB AND LEVEL, SECURELY AND RIGIDLY ANCHORED TO SUBSTRATE.
C. MOUNTING HEIGHTS: AS REQUIRED BY ACCESSIBILITY REGULATIONS, UNLESS OTHERWISE INDICATED.
3.02 PROTECTION
A. PROTECT INSTALLED ACCESSORIES FROM DAMAGE DUE TO SUBSEQUENT CONSTRUCTION OPERATIONS.

END OF SECTION 10 28 00
SECTION 10 28 19
TUB AND SHOWER ENCLOSURES

- PART 1 GENERAL
1.01 SECTION INCLUDES
A. TUB AND SHOWER SURROUNDS.
1.02 RELATED REQUIREMENTS
A. SECTION 22 40 00 - PLUMBING FIXTURES: TUBS AND SHOWER RECEPTORS.
PART 2 PRODUCTS
2.01 MANUFACTURERS
A. CAST POLYMER TUB AND SHOWER SURROUNDS:
1. WILSONART LLC.; WETWALL BATHROOM PANEL SYSTEM: WWW.WETWALL.COM#SLE.
2.02 TUB AND SHOWER SURROUNDS
A. DESCRIPTION: LAMINATE PANELS OVER CONTINUOUS SUBSTRATE; INSTALLED IN ALCOVE ABOVE SHOWER RECEPTOR OR TUB; AVAILABLE AS INDIVIDUAL PANELS OR AS KITS.
1. PANEL THICKNESS: THICKNESS VARIES; 0.225 INCH THICK, MINIMUM.
B. SHOWER WALL PANEL KIT , CONSISTING OF TWO SIDE PANELS AND ONE BACK PANEL.
1. ALCOVE PANEL DIMENSIONS: 36 BY 34 BY 96 INCHES.
2. BASIS OF DESIGN: WILSONART LLC.WETWALL
3. COLOR: W7001 ARIA WHITE
C. TUB WALL PANEL KIT, CONSISTING OF TWO SIDE PANELS AND ONE BACK PANEL.
1. ALCOVE PANEL DIMENSIONS: 32 BY 60 BY 96 INCHES
2. BASIS OF DESIGN: WILSONART LLC. WETWALL BATHROOM WALL PANELS. WWW.WETWALL.COM#SLE
3. COLOR: W7001 ARIA WHITE

- PART 3 EXECUTION
3.01 INSTALLATION
A. REFER TO MECHANICAL DRAWINGS FOR SHOWER PAN. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND PROVIDE MORTAR CEMENT AS NEEDED TO COMPLETE INSTALLATION.
B. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SHOP DRAWINGS.
C. FIT AND ALIGN TUB AND SHOWER SURROUND LEVEL AND PLUMB.
END OF SECTION 10 28 19

SECTION 10 44 00
FIRE PROTECTION SPECIALTIES

- PART 1 GENERAL
1.01 SECTION INCLUDES
A. FIRE EXTINGUISHERS.
B. ACCESSORIES.
1.02 REFERENCE STANDARDS
A. NFPA 10 - STANDARD FOR PORTABLE FIRE EXTINGUISHERS; 2022.
PART 2 PRODUCTS
2.01 MANUFACTURERS
A. FIRE EXTINGUISHERS:
1. KIDDE, A UNIT OF UNITED TECHNOLOGIES CORP.; \_\_\_\_\_; WWW.KIDDE.COM#SLE.
B. FIRE EXTINGUISHER CABINETS AND ACCESSORIES:
1. KIDDE, A UNIT OF UNITED TECHNOLOGIES CORP.; \_\_\_\_\_; WWW.KIDDE.COM#SLE.
2.02 FIRE EXTINGUISHERS
A. FIRE EXTINGUISHERS - GENERAL: COMPLY WITH PRODUCT REQUIREMENTS OF NFPA 10 AND APPLICABLE CODES, WHICHEVER IS MORE STRINGENT.
B. WATER TYPE FIRE EXTINGUISHERS: STAINLESS STEEL TANK, PRESSURIZED, WITH PREMIXED ANTIFREEZE SOLUTION, INCLUDING HOSE AND NOZZLE.
1. CLASS: 2-A TYPE.
2.03 ACCESSORIES
A. EXTINGUISHER BRACKETS: FORMED STEEL, CHROME-PLATED.
PART 3 EXECUTION
3.01 INSTALLATION
A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. PLACE EXTINGUISHERS ON WALL BRACKETS.
END OF SECTION 10 44 00

SECTION 11 30 13
RESIDENTIAL APPLIANCES

- PART 1 GENERAL
1.01 SECTION INCLUDES
A. KITCHEN APPLIANCES.
B. LAUNDRY APPLIANCES.
1.02 RELATED REQUIREMENTS
A. SECTION 22 10 05 - PLUMBING PIPING: PLUMBING CONNECTIONS FOR APPLIANCES.
B. SECTION 26 05 83 - WIRING CONNECTIONS: ELECTRICAL CONNECTIONS FOR APPLIANCES.
1.03 REFERENCE STANDARDS
A. ICC (IMC)-2021 - INTERNATIONAL MECHANICAL CODE; 2021.
B. ICC (IRC)-2021 - INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS; 2021.
C. UL 2158A - CLOTHES DRYER TRANSITION DUCT; CURRENT EDITION, INCLUDING ALL REVISIONS.
PART 2 PRODUCTS
2.01 KITCHEN APPLIANCES
A. REFRIGERATOR: FREE-STANDING, BOTTOM-MOUNTED FREEZER, AND FROST-FREE.
1. CAPACITY: TOTAL MINIMUM STORAGE OF 20 CUBIC FT; MINIMUM 20 PERCENT FREEZER CAPACITY.
2. ENERGY USAGE: MINIMUM 20 PERCENT MORE ENERGY EFFICIENT THAN ENERGY EFFICIENCY STANDARDS SET BY U.S. DEPARTMENT OF ENERGY (DOE).
3. FEATURES: INCLUDE GLASS SHELVES, AUTOMATIC ICEMAKER, LIGHT IN FREEZER COMPARTMENT, IN-FREEZER ICE MAKER, AND IN-DOOR WATER DISPENSER.
4. EXTERIOR FINISH: STAINLESS STEEL.
5. MANUFACTURERS:
a. FRIGIDAIRE HOME PRODUCTS; GRBN2012AF: WWW.FRIGIDAIRE.COM#SLE.
B. RANGE: ELECTRIC, FREE-STANDING, WITH GLASS-CERAMIC COOKTOP.
1. SIZE: 30 INCHES WIDE.
2. OVEN: SELF-CLEANING WITH ELECTRONIC IGNITION.
3. ELEMENTS: FIVE (5).
4. CONTROLS: PUSH-TO-TURN KNOBS WITH ELECTRONIC CLOCK AND TIMER.
5. FEATURES: INCLUDE STORAGE DRAWER, OVEN DOOR WINDOW, BROILER PAN AND GRID, AND OVEN LIGHT.
6. EXTERIOR FINISH: STAINLESS STEEL.
7. MANUFACTURERS:
a. FRIGIDAIRE HOME PRODUCTS; FCRE306LAF: WWW.FRIGIDAIRE.COM#SLE.
C. WASTE DISPOSER: CONTINUOUS FEED, OVERLOAD PROTECTION, DIRECT WIRED, DISHWASHER CONNECTION, DRAIN ELBOW AND DRAIN CONNECTOR.
1. POWER: 1/2 HP.
2. CAPACITY: LARGE.
3. HEIGHT: 11-1/2 INCH.
4. DEPTH: 6-5/16 INCH.
5. CONTROLS: WALL SWITCH.
6. VOLTAGE: 120 VOLTS, 60 HZ, 6.3 AMPS.
7. MANUFACTURERS:
a. INSINKERATOR BADGER 5XL 1/2HP. WWW.INSINKERATOR.COM#SLE
D. DISHWASHER: UNDERCOUNTER.
1. CONTROLS: SOLID STATE ELECTRONIC.
2. WASH LEVELS: FOUR (4).
3. CYCLES: SIX (6), INCLUDING NORMAL, RINSE ONLY, QUICK, CHINA/CRYSTAL, AND POT AND PAN.
4. FEATURES: INCLUDE RINSE AID DISPENSER, OPTIONAL NO-HEAT DRY, OPTIONAL WATER TEMPERATURE BOOST, AND ADJUSTABLE UPPER RACK.
5. FINISH: STAINLESS STEEL .
6. MANUFACTURERS:
a. FRIGIDAIRE HOME PRODUCTS; FFD1831US: WWW.FRIGIDAIRE.COM#SLE.
2.02 LAUNDRY APPLIANCES
A. CLOTHES WASHER: TOP-LOADING STATIONARY.
1. SIZE: LARGE CAPACITY.
2. CONTROLS: SOLID STATE ELECTRONIC.
3. CYCLES: INCLUDE NORMAL, PERMANENT PRESS, DELICATE, AND HEAVY DUTY.
4. MOTOR SPEED: SINGLE SPEED.
5. FEATURES: INCLUDE OPTIONAL SECOND RINSE, BLEACH DISPENSER, FABRIC SOFTENER DISPENSER, SOUND INSULATION, AND END OF CYCLE SIGNAL.
6. FINISH: PAINTED STEEL , COLOR WHITE.
7. MANUFACTURERS:
a. SPEED QUEEN BY ALLIANCE LAUNDRY SYSTEMS TR3003WN WWW.SPEEDQUEEN.COM#SLE
B. CLOTHES DRYER: ELECTRIC, STATIONARY.
1. SIZE: LARGE CAPACITY.
2. CONTROLS: SOLID STATE ELECTRONIC, WITH TIMER DRY CONTROL.
3. TEMPERATURE SELECTIONS: THREE.
4. CYCLES: INCLUDE PERMANENT PRESS, KNIT/DELICATE, AND NO HEAT.
5. FEATURES: INCLUDE INTERIOR LIGHT, REVERSIBLE DOOR, SOUND INSULATION, AND UP-FRONT LINT FILTER.
6. FINISH: PAINTED STEEL , COLOR WHITE.
7. MANUFACTURERS:
a. SPEED QUEEN BY ALLIANCE LAUNDRY SYSTEMS DR3003WE WWW.SPEEDQUEEN.COM#SLE.

- 2.03 ACCESSORIES
A. DRYER VENT ASSEMBLY: COMPLY WITH ICC (IMC)-2021 AND ICC (IRC)-2021.
1. EXHAUST DUCT: ALUMINUM RIBBON, 4-INCH DIAMETER, COMPLY WITH UL 2158A.
a. CLAMPS: STAINLESS STEEL, 3-1/2 TO 4-3/4-INCH DIAMETER RANGE.
2. FINISH FOR EXPOSED METALS: BLACK POWDER COAT.
PART 3 EXECUTION
3.01 EXAMINATION
A. VERIFY UTILITY ROUGH-INS ARE PROVIDED AND CORRECTLY LOCATED.
3.02 INSTALLATION
A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3.03 ADJUSTING
A. ADJUST EQUIPMENT TO PROVIDE EFFICIENT OPERATION.
3.04 CLEANING
A. REMOVE PACKING MATERIALS FROM EQUIPMENT AND PROPERLY DISCARD.
B. WASH AND CLEAN EQUIPMENT.

END OF SECTION 11 30 13
SECTION 12 32 00
MANUFACTURED WOOD CASEWORK

- PART 1 GENERAL
1.01 SECTION INCLUDES
A. MANUFACTURED STANDARD CASEWORK, WITH CABINET HARDWARE.
B. SPECIAL PURPOSE UNITS.
1.02 RELATED REQUIREMENTS
A. SECTION 06 10 00 - ROUGH CARPENTRY: BLOCKING AND NAILERS FOR ANCHORING CASEWORK.
B. SECTION 07 92 00 - JOINT SEALANTS: SEALING JOINTS BETWEEN CASEWORK AND COUNTERTOPS AND ADJACENT WALLS, FLOORS, AND CEILINGS.
C. SECTION 09 65 00 - RESILIENT FLOORING: RESILIENT WALL BASE.
1.03 REFERENCE STANDARDS
A. AWWAWMAC/WI (AWS) - ARCHITECTURAL WOODWORK STANDARDS, 2ND EDITION; 2014, WITH ERRATA (2016).
B. AWMAC/WI (NAAWS) - NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS; 2021, WITH ERRATA.
1.04 SUBMITTALS
A. PRODUCT DATA: COMPONENT DIMENSIONS, CONFIGURATIONS, CONSTRUCTION DETAILS, JOINT DETAILS, ATTACHMENTS.
B. SHOP DRAWINGS: INDICATE CASEWORK TYPES, SIZES, AND LOCATIONS, USING LARGE SCALE PLANS, ELEVATIONS, AND CROSS SECTIONS, INCLUDE ROUGH-IN AND ANCHORS AND REINFORCEMENTS, PLACEMENT DIMENSIONS AND TOLERANCES, CLEARANCES REQUIRED, AND KEYING INFORMATION.
C. SAMPLES FOR FINISH SELECTION: FULLY FINISHED, FOR COLOR SELECTION. MINIMUM SAMPLE SIZE: 2 INCHES BY 3 INCHES.
1. PLASTIC LAMINATE SAMPLES, FOR COLOR, TEXTURE, AND FINISH SELECTION.
D. MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. MAINTENANCE DATA: MANUFACTURER'S RECOMMENDATIONS FOR CARE AND CLEANING.
F. FINISH TOUCH-UP KIT FOR EACH TYPE AND COLOR OF MATERIALS PROVIDED.
1.05 DELIVERY, STORAGE, AND HANDLING
A. PROTECT ITEMS PROVIDED BY THIS SECTION, INCLUDING FINISHED SURFACES AND HARDWARE ITEMS DURING HANDLING AND INSTALLATION. FOR METAL SURFACES, USE POLYETHYLENE FILM OR OTHER PROTECTIVE MATERIAL STANDARD WITH THE MANUFACTURER.
B. ACCEPTANCE AT SITE:
1. DO NOT DELIVER OR INSTALL CASEWORK UNTIL THE CONDITIONS SPECIFIED UNDER PART 3, EXAMINATION ARTICLE OF THIS SECTION HAVE BEEN MET. PRODUCTS DELIVERED TO SITES THAT ARE NOT ENCLOSED AND/OR IMPROPERLY CONDITIONED WILL NOT BE ACCEPTED IF WARPING OR DAMAGE DUE TO UNSATISFACTORY CONDITIONS OCCURS.
C. STORAGE:
1. STORE CASEWORK IN THE AREA OF INSTALLATION. IF NECESSARY, PRIOR TO INSTALLATION, TEMPORARILY STORE IN ANOTHER AREA, MEETING THE ENVIRONMENTAL REQUIREMENTS SPECIFIED UNDER PART 3, "SITE VERIFICATION OF CONDITIONS" ARTICLE OF THIS SECTION.
1.06 WARRANTY
A. CORRECT DEFECTIVE WORK WITHIN A FIVE YEAR PERIOD AFTER DATE OF SUBSTANTIAL COMPLETION, AT NO ADDITIONAL COST TO OWNER. DEFECTS INCLUDE, BUT ARE NOT LIMITED TO:
1. RUPTURED, CRACKED, OR STAINED FINISH COATING.
2. DISCOLORATION OR LACK OF FINISH INTEGRITY.
3. CRACKING OR PEELING OF FINISH.
4. FAILURE OF HARDWARE.

- PART 2 PRODUCTS
2.01 CASEWORK, GENERAL
A. QUALITY STANDARD: AWWAWMAC/WI (AWS) OR AWMAC/WI (NAAWS), UNLESS NOTED OTHERWISE.
B. PLASTIC LAMINATE FACED CABINETS: CUSTOM GRADE.
2.02 FABRICATION
A. ASSEMBLY: SHOP ASSEMBLE CASEWORK ITEMS FOR DELIVERY TO SITE IN UNITS EASILY HANDLED AND TO PERMIT PASSAGE THROUGH BUILDING OPENINGS.
B. CONSTRUCTION: AS REQUIRED FOR SELECTED GRADE.
C. EDGING: FIT SHELVES, DOORS, AND EXPOSED EDGES WITH SPECIFIED EDGING. DO NOT USE MORE THAN ONE PIECE FOR ANY SINGLE LENGTH.
D. SCRIBES AND FILLERS: PANELS OF MATCHING CONSTRUCTION AND FINISH, FOR LOCATIONS WHERE CABINETS DO NOT FIT TIGHT TO ADJACENT CONSTRUCTION.
E. COUNTERTOP PANEL-TYPE SUPPORTS: MATERIALS SIMILAR TO ADJACENT CASEWORK, 1- 1/2 INCH IN WIDTH, WITH FRONT-TO-BACK AND TOE SPACE DIMENSIONS MATCHING BASE CABINET, DESIGNED TO BE SECURED IN A CONCEALED FASHION TO COUNTERTOP MATERIAL. INCLUDE TWO LEVELING DEVICES PER SUPPORT PANEL.
2.03 PLASTIC-LAMINATE-CLAD CASEWORK
A. PLASTIC-LAMINATE-CLAD CASEWORK: SOLID WOOD AND WOOD PANEL CONSTRUCTION; EACH UNIT SELF-CONTAINED AND NOT DEPENDENT ON ADJACENT UNITS OR BUILDING STRUCTURE FOR RIGIDITY; IN SIZES NECESSARY TO AVOID FIELD CUTTING EXCEPT FOR SCRIBES AND FILLER PANELS. INCLUDE ADJUSTABLE LEVELERS FOR BASE CABINETS.
1. STYLE: FLUSH OVERLAY, EASE DOORS AND DRAWER FRONTS SLIGHTLY AT EDGES.
2. CABINET NOMINAL DIMENSIONS: UNLESS OTHERWISE INDICATED, PROVIDE CABINETS OF WIDTHS AND HEIGHTS INDICATED ON DRAWINGS, AND WITH FOLLOWING FRONT-TO-BACK DIMENSIONS:
a. BASE CABINETS: 22 INCHES.
b. TALL CABINETS: 22 INCHES.
c. WALL CABINETS: 16 INCHES.
3. PLASTIC LAMINATE: APPLY PLASTIC LAMINATE FINISH IN FULL UNINTERRUPTED SHEETS CONSISTENT WITH MANUFACTURED SIZES. FIT CORNERS AND JOINTS HAIRLINE.
a. FINISH: MATTE OR SUEDE, GLOSS RATING OF 5 TO 20.
2.04 SPECIAL PURPOSE UNITS
A. VANITY: CONVENTIONAL UNIT.
1. BASIS OF DESIGN : KOHLER, CO. SOUTHERK 33544-ASB-0.
a. PRECUT QUARTZ VANITY TOP.
b. SINK
c. LEGS
d. CABINET HARDWARE
e. FULL EXTENSION DRAWER WITH SOFT-CLOSE SIDE MOUNT SLIDES.
f. 18 INCH CABINET INTERIOR.
g. 4 INCH BY 30 INCH QUARTZ BACKSPLASH: KOHLER K-25815
h. 3 INCH BY 17-1/4 INCH QUARTZ SIDE SPLASH (ONE SIDE): KOHLER K-25819
2.05 CABINET HARDWARE
A. MANUFACTURER'S STANDARD TYPES, STYLES AND FINISHES.
B. SHELVES IN CABINETS:

- 1. SHELF STANDARDS AND RESTS: VERTICAL STANDARDS WITH RUBBER BUTTON FITTED RESTS, SATIN CHROMIUM PLATED OVER NICKEL ON BASE MATERIAL.
C. SWINGING DOORS: HINGES, PULLS, AND CATCHES.
1. HINGES: CONCEALED, NUMBER AS REQUIRED BY REFERENCED STANDARDS FOR WIDTH, HEIGHT, AND WEIGHT OF DOOR.
a. CONCEALED HINGES: INSTALLED IN CABINET EDGE, AND ON DOOR BACK, BRIGHT CHROMIUM PLATED OVER NICKEL ON BASE MATERIAL.
2. PULLS: CHROME WIRE PULLS, 4 INCHES WIDE.
3. CATCHES: MAGNETIC.
D. DRAWERS: PULLS AND SLIDES.
1. PULLS: CHROME WIRE PULLS, 4 INCHES WIDE.
2. SLIDES: STEEL, FULL EXTENSION ARMS, BALL BEARINGS; SELF-CLOSING; CAPACITY AS RECOMMENDED BY MANUFACTURER FOR DRAWER HEIGHT AND WIDTH.
PART 3 EXECUTION
3.01 PREPARATION
A. LARGE COMPONENTS: ENSURE THAT LARGE COMPONENTS CAN BE MOVED INTO FINAL POSITION WITHOUT DAMAGE TO OTHER CONSTRUCTION.
3.02 EXAMINATION
A. SITE VERIFICATION OF ENVIRONMENTAL CONDITIONS:
1. DO NOT DELIVER CASEWORK UNTIL THE FOLLOWING CONDITIONS HAVE BEEN MET:
a. BUILDING HAS BEEN ENCLOSED (WINDOWS AND DOORS SEALED AND WEATHER-TIGHT).
b. AN OPERATIONAL HVAC SYSTEM THAT MAINTAINS TEMPERATURE AND HUMIDITY AT OCCUPANCY LEVELS HAS BEEN PUT IN PLACE.
c. CEILING, OVERHEAD DUCTWORK, PIPING, AND LIGHTING HAVE BEEN INSTALLED.
d. INSTALLATION AREAS DO NOT REQUIRE FURTHER "WET WORK" CONSTRUCTION.
B. VERIFY ADEQUACY OF SUPPORT FRAMING AND ANCHORS.
C. VERIFY THAT SERVICE CONNECTIONS ARE CORRECTLY LOCATED AND OF PROPER CHARACTERISTICS.
3.03 INSTALLATION
A. PERFORM INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. USE ANCHORING DEVICES TO SUIT CONDITIONS AND SUBSTRATE MATERIALS. ENCOUNTED, USE CONCEALED FASTENERS TO THE GREATEST DEGREE POSSIBLE. USE EXPOSED FASTENERS ONLY WHERE ALLOWED BY APPROVED SHOP DRAWINGS, OR WHERE CONCEALED FASTENERS ARE IMPRACTICABLE.
C. SET CASEWORK ITEMS PLUMB AND SQUARE, SECURELY ANCHORED TO BUILDING STRUCTURE.
D. ALIGN CABINETS TO ADJOINING COMPONENTS, INSTALL FILLER AND/OR SCRIBE PANELS WHERE NECESSARY TO CLOSE GAPS.
E. FASTEN TOGETHER CABINETS IN CONTINUOUS RUNS, WITH JOINTS FLUSH, UNIFORM AND TIGHT. MISALIGNMENT OF ADJACENT UNITS NOT TO EXCEED 1/16 INCH. IN ADDITION, DO NOT EXCEED THE FOLLOWING TOLERANCES:
1. VARIATION OF TOPS OF BASE CABINETS FROM LEVEL: 1/16 INCH IN 10 FEET.
2. VARIATION OF FACES OF CABINETS FROM A TRUE PLANE: 1/8 INCH IN 10 FEET.
3. VARIATION OF ADJACENT SURFACES FROM A TRUE PLANE (LIPPAGE): 1/32 INCH.
4. VARIATION IN ALIGNMENT OF ADJACENT DOOR AND DRAWER EDGES: 1/16 INCH.
F. BASE CABINETS: FASTEN CABINETS TO SERVICE SPACE FRAMING AND/OR WALL SUBSTRATES, WITH FASTENERS SPACED NOT MORE THAN 16 INCHES ON CENTER, BOLT ADJACENT CABINETS TOGETHER WITH JOINTS FLUSH, TIGHT, AND UNIFORM.
G. INSTALL HARDWARE UNIFORMLY AND PRECISELY.
H. COUNTERTOPS: INSTALL COUNTERTOPS INTENDED AND FURNISHED FOR FIELD INSTALLATION IN ONE TRUE PLANE, WITH ENDS ABUTTING AT HAIRLINE JOINTS, AND NO RAISED EDGES.
I. REPLACE UNITS THAT ARE DAMAGED, INCLUDING THOSE THAT HAVE DAMAGED FINISHES.
3.04 ADJUSTING
A. ADJUST OPERATING PARTS, INCLUDING DOORS, DRAWERS, HARDWARE, AND FIXTURES TO FUNCTION SMOOTHLY.
3.05 CLEANING
A. CLEAN CASEWORK AND OTHER INSTALLED SURFACES THOROUGHLY.
3.06 PROTECTION
A. DO NOT PERMIT FINISHED CASEWORK TO BE EXPOSED TO CONTINUED CONSTRUCTION ACTIVITY.
B. PROTECT CASEWORK AND COUNTERTOPS FROM ONGOING CONSTRUCTION ACTIVITIES. PREVENT WORKMEN FROM STANDING ON, OR STORING TOOLS AND MATERIALS ON CASEWORK OR COUNTERTOPS.
C. REPAIR DAMAGE, INCLUDING TO FINISHES, THAT OCCURS PRIOR TO DATE OF SUBSTANTIAL COMPLETION, USING METHODS PRESCRIBED BY MANUFACTURER; REPLACE UNITS THAT CANNOT BE REPAIRED TO LIKE-NEW CONDITION.
END OF SECTION 12 32 00

SECTION 12 36 00
COUNTERTOPS

- PART 1 GENERAL
1.01 SECTION INCLUDES
A. COUNTERTOPS FOR ARCHITECTURAL CABINET WORK.
1.02 REFERENCE STANDARDS
A. ISFA 3-01 - CLASSIFICATION AND STANDARDS FOR QUARTZ SURFACING MATERIAL; 2013.
B. NEMA LD 3 - HIGH-PRESSURE DECORATIVE LAMINATES; 2005.
C. NSI (DSDM) - DIMENSIONAL STONE DESIGN MANUAL, VERSION VIII; 2016.
1.03 SUBMITTALS
A. SHOP DRAWINGS: COMPLETE DETAILS OF MATERIALS AND INSTALLATION ; COMBINE WITH SHOP DRAWINGS OF CABINETS AND CASEWORK SPECIFIED IN OTHER SECTIONS.
B. TEST REPORTS: CHEMICAL RESISTANCE TESTING, SHOWING COMPLIANCE WITH SPECIFIED REQUIREMENTS.
C. INSTALLATION INSTRUCTIONS: MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.
1.04 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: COMPANY SPECIALIZING IN PERFORMING WORK OF THE TYPE SPECIFIED IN THIS SECTION, WITH NOT LESS THAN THREE YEARS OF DOCUMENTED EXPERIENCE.
1.05 DELIVERY, STORAGE, AND HANDLING
A. STORE PRODUCTS IN MANUFACTURER'S UNOPENED PACKAGING UNTIL READY FOR INSTALLATION.
B. STORE AND DISPOSE OF SOLVENT-BASED MATERIALS, AND MATERIALS USED WITH SOLVENT-BASED MATERIALS, IN ACCORDANCE WITH REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION.
PART 2 PRODUCTS
2.01 COUNTERTOPS

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SHEET SPECIFICATIONS

AUTHOR: JMS
REVISION:
ISSUE DATE: 02.11.2026
OWNER CONTRACT:

CHECKED: JMS



FT. ABERCROMBIE RANGER STATION

ECI ARCHITECTURE DESIGN STRATEGY
821 N STREET, SUITE 201
ANCHORAGE, ALASKA 99501 907.561.5543
PROJECT NO 24-003.00

CONSTRUCTION DOCUMENTS

A0.06

FULL SIZE PRINTED ON 22 x 34

## SPECIFICATIONS

- A. NATURAL QUARTZ AND RESIN COMPOSITE COUNTERTOPS: SHEET OR SLAB OF NATURAL QUARTZ AND PLASTIC RESIN OVER CONTINUOUS SUBSTRATE.
1. FLAT SHEET THICKNESS: 1-1/4 INCH, MINIMUM.
  2. NATURAL QUARTZ AND RESIN COMPOSITE SHEETS, SLABS AND CASTINGS: COMPLYING WITH ISFA 3-01 AND NEMA LD 3; ORTHOPHTHALIC POLYESTER RESIN, MINERAL FILLER, AND PIGMENTS; HOMOGENOUS, NON-POROUS AND CAPABLE OF BEING WORKED AND REPAIRED USING STANDARD STONE FABRICATION TOOLS; NO SURFACE COATING; COLOR AND PATTERN CONSISTENT THROUGHOUT THICKNESS.
    - a. MANUFACTURERS:
      - 1) CORIAN QUARTZ: WWW.CORIAN.COM.
    - b. FACTORY FABRICATE COMPONENTS TO THE GREATEST EXTENT PRACTICAL IN SIZES AND SHAPES INDICATED; COMPLY WITH NSI (DSDM).
    - c. FINISH ON EXPOSED SURFACES: POLISHED.
  3. OTHER COMPONENTS THICKNESS: 3/4 INCH, MINIMUM.
  4. EXPOSED EDGE TREATMENT: BUILT UP TO MINIMUM 1-1/4 INCH THICK; PENCIL EDGE.
  5. BACK AND END SPLASHES: SAME SHEET MATERIAL, SQUARE TOP; MINIMUM 4 INCHES HIGH.

### 2.02 FABRICATION

- A. FABRICATE TOPS AND SPLASHES IN THE LARGEST SECTIONS PRACTICABLE, WITH TOP SURFACE OF JOINTS FLUSH.
1. JOIN LENGTHS OF TOPS USING BEST METHOD RECOMMENDED BY MANUFACTURER.
  2. FABRICATE TO OVERHANG FRONTS AND ENDS OF CABINETS 1 INCH EXCEPT WHERE TOP BUTTS AGAINST CABINET OR WALL.
  3. PREPARE ALL CUTOUTS ACCURATELY TO SIZE; REPLACE TOPS HAVING IMPROPERLY DIMENSIONED OR UNNECESSARY CUTOUTS OR FIXTURE HOLES.
- B. PROVIDE BACK/END SPLASH WHEREVER COUNTER EDGE ABUTS VERTICAL SURFACE UNLESS OTHERWISE INDICATED.
1. SECURE TO COUNTERTOP WITH CONCEALED FASTENERS AND WITH CONTACT SURFACES SET IN WATERPROOF GLUE.
  2. HEIGHT: 4 INCHES, UNLESS OTHERWISE INDICATED.
- C. SOLID SURFACING: FABRICATE TOPS AND WALL PANELS UP TO 144 INCHES LONG IN ONE PIECE; JOIN PIECES WITH ADHESIVE SEALANT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. DO NOT BEGIN INSTALLATION UNTIL SUBSTRATES HAVE BEEN PROPERLY PREPARED.
- B. IF SUBSTRATE PREPARATION IS THE RESPONSIBILITY OF ANOTHER INSTALLER, NOTIFY ARCHITECT OF UNSATISFACTORY PREPARATION BEFORE PROCEEDING.
- C. VERIFY THAT WALL SURFACES HAVE BEEN FINISHED AND MECHANICAL AND ELECTRICAL SERVICES AND OUTLETS ARE INSTALLED IN PROPER LOCATIONS.

#### 3.02 PREPARATION

- A. CLEAN SURFACES THOROUGHLY PRIOR TO INSTALLATION.
- B. PREPARE SURFACES USING THE METHODS RECOMMENDED BY THE MANUFACTURER FOR ACHIEVING THE BEST RESULT FOR THE SUBSTRATE UNDER THE PROJECT CONDITIONS.

#### 3.03 INSTALLATION

- A. SECURELY ATTACH COUNTERTOPS TO CABINETS USING CONCEALED FASTENERS. MAKE FLAT SURFACES LEVEL; SHIM WHERE REQUIRED.
- B. SEAL JOINT BETWEEN BACK/END SPLASHES AND VERTICAL SURFACES.

#### 3.04 TOLERANCES

- A. VARIATION FROM HORIZONTAL: 1/8 INCH IN 10 FEET, MAXIMUM.
- B. OFFSET FROM WALL, COUNTERTOPS: 1/8 INCH MAXIMUM; 1/16 INCH MINIMUM.
- C. FIELD JOINTS: 1/8 INCH WIDE, MAXIMUM.

#### 3.05 CLEANING

- A. CLEAN COUNTERTOPS SURFACES THOROUGHLY.

#### 3.06 PROTECTION

- A. PROTECT INSTALLED PRODUCTS UNTIL COMPLETION OF PROJECT.
- B. TOUCH-UP, REPAIR OR REPLACE DAMAGED PRODUCTS BEFORE DATE OF SUBSTANTIAL COMPLETION.

END OF SECTION 12 38 00

SHEET SPECIFICATIONS

AUTHOR: JMS  
REVISION:  
ISSUE DATE: 02.11.2026  
OWNER CONTRACT:

CHECKED: JMS

FT. ABERCROMBIE RANGER STATION



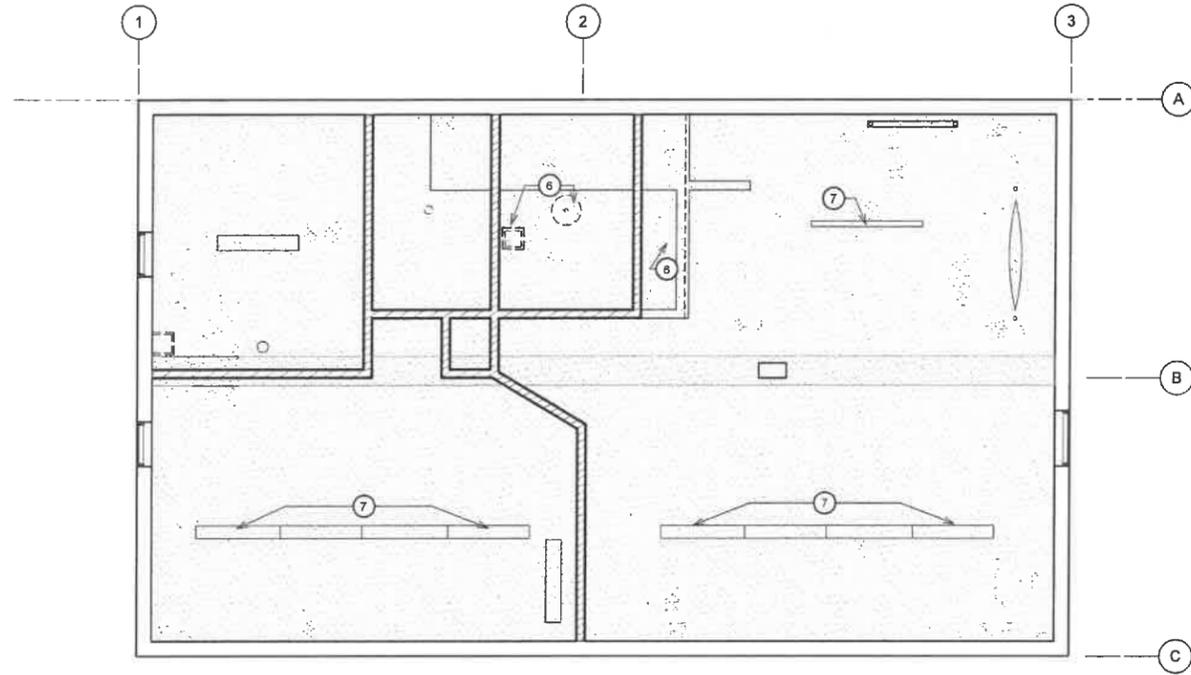
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PROJECT NO. 24-003.00

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A0.07

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CONSTRUCTION DOCUMENTS



**DEMOLITION SHEET NOTES**

- 1 DEMO WALL
- 2 DEMO FINITUBE; UTILIZE PIPING FROM UNDERSLAB FOR INSTALLATION OF NEW FINITUBE; REF. MECHANICAL.
- 3 DEMO EXISTING PLUMBING FIXTURES
- 4 DEMO FINISH FLOOR AS NEEDED FOR NEW WORK
- 5 DEMO DOOR
- 6 DEMO CEILING GYP, FAN AND LIGHTS AS NEEDED TO ACCOMODATE NEW ROOM
- 7 EXISTING LIGHTS OUTSIDE AREA OF WORK TO REMAIN
- 8 DEMO WINDOW
- 9 DEMO FRP, TYP ALL WALLS
- 10 DEMO (E) FLOORING AND PREPARE SUBFLOOR FOR NEW FLOORING
- 11 DEMO VANITY, MIRROR AND LIGHT FIXTURE
- 12 CUT 6" SLAB AS NEEDED FOR INSTALL OF NEW WASTELINES
- 13 REMOVE AND REPAIR DRY ROT SILL AND FRAMING OF WALL VIF
- 14 DEMO CABINETS, SINK AND RANGE HOOD; SALVAGE APPLIANCES, CONVEY TO OWNER

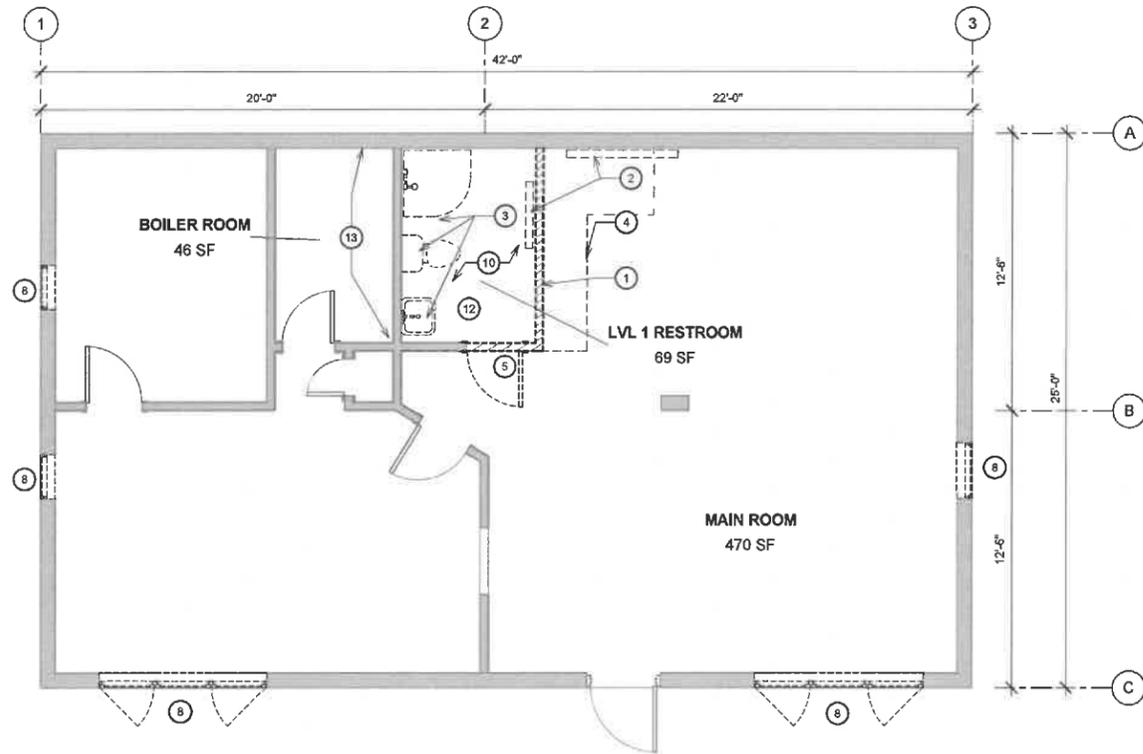
**GENERAL NOTES: FLOOR PLAN**

- 1. OWNERS PROPERTY TO REMAIN IN PLACE DURING CONSTRUCTION, CONTRACTOR TO PROTECT FROM ALL DEMOLITION AND NEW ACTIVITY.
- 2. CONTRACTOR TO COORDINATE MOVEMENT OF FURNITURE AS NEEDED FOR WORK REQUIRED IN EACH SPACE.
- 3. CONTRACTOR TO CONFIRM AND MANAGE UTILITY CONNECTIONS AND SHUTOFFS PRIOR TO ANY DEMOLITION
- 4. CONTRACTOR TO REMOVE, PROTECT AND REINSTALL ALL ITEMS FOR SALVAGE
- 5. ALL NEW GYPSUM TO BE MOISTURE RESISTANT
- 6. MATCH ALL EXISTING GYPSUM THICKNESS AT ADJACENT LOCATIONS
- 7. LEVEL 3 ORANGE PEEL TEXTURE FOR ALL NEW GYPSUM WALLS AND CEILING OR MATCH EXISTING WHERE OCCURS
- 8. SEE FINISH FLOOR PLAN FOR ADDITIONAL DEMOLITION NOTES.

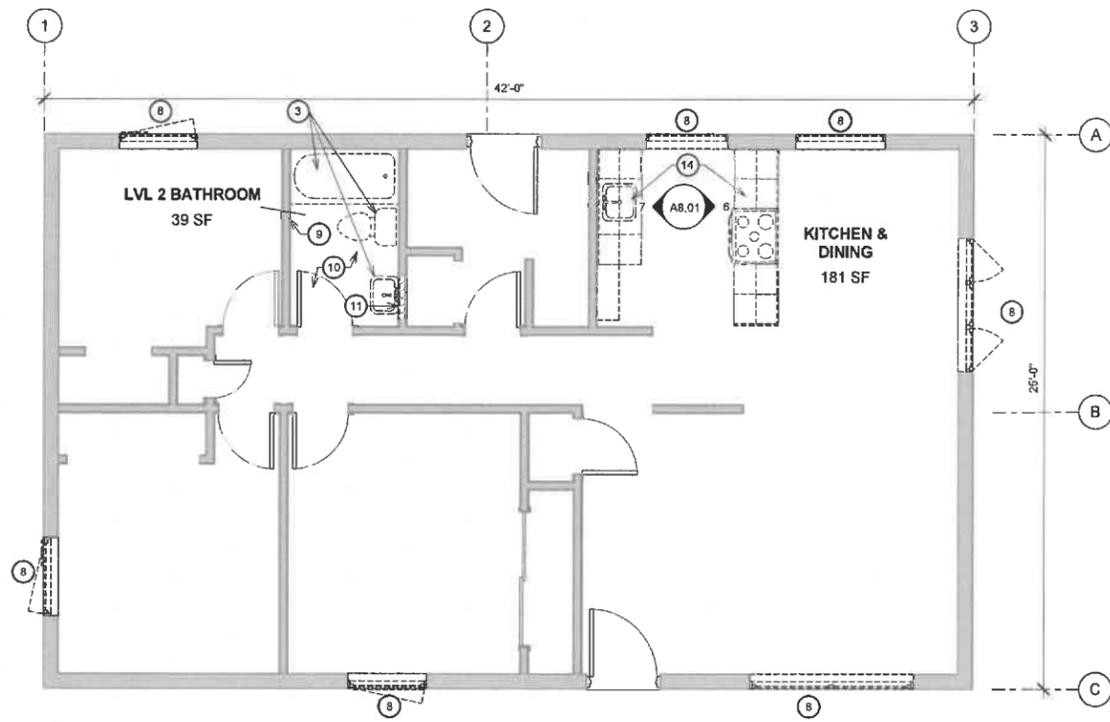
**ADD ALTERNATES**

- A1 DEMO (E) FLOORING AND PREPARE SUBFLOOR FOR NEW FLOORING, REFER TO FINISH FLOOR DRAWING; REMOVE AND REPLACE BASEBOARD HEATER COVERS; SEE A8.01
- A2 PREP WALLS FOR PAINT; PAINT

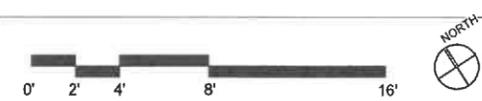
2 REFLECTED CEILING PLAN = LEVEL 1 - DEMOLITION  
1/4" = 1'-0"



1 LEVEL 01 - EXISTING  
1/4" = 1'-0"



3 LEVEL 02 - EXISTING  
1/4" = 1'-0"



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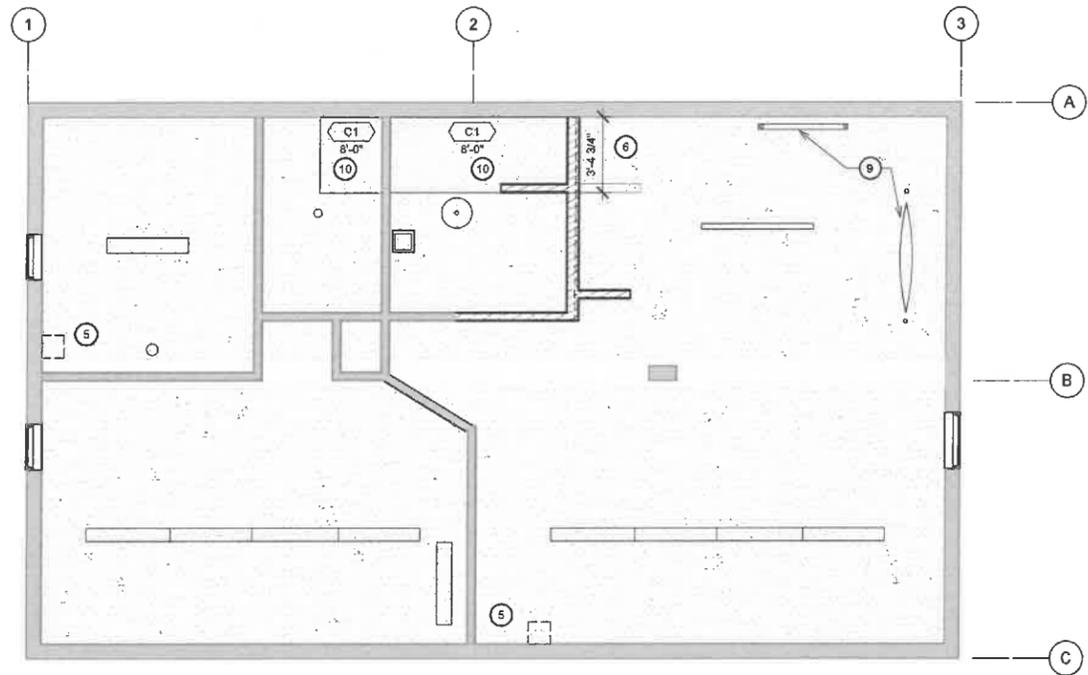
CONSTRUCTION DOCUMENTS



DEMO FLOOR PLANS

AUTHOR: ERH CHECKED: DRS  
REVISION:  
ISSUE DATE: 02.11.2026  
OWNER CONTRACT:

A2.01  
FULL SIZE PRINTED ON 22 x 34



**NEW WORK SHEET NOTES**

- 1 NEW PLUMBING FIXTURES
- 2 NEW FLOOR FINISH
- 3 NEW VANITY, MIRROR AND LIGHT FIXTURES
- 4 NEW WALL FRP AND TRIM, TYP ALL WALLS
- 5 PATCH ALL HOLES IN EXISTING CEILING, TYP
- 6 MODIFY EXISTING CEILING AS NEEDED TO MATCH NEW CONSTRUCTION
- 7 NEW WOOD WINDOW. PAINT INTERIOR TO MATCH (E), STAIN EXTERIOR TO MATCH (E)
- 9 PROTECT EXISTING DISPLAYS, COORDINATE WITH OWNER
- 10 NEW SOFFIT FOR BATH/DRYER VENTS - TYPE C1 - WOOD FRAMED WITH PAINTED GYP BOARD
- 11 WALL MOUNTED FIRE EXTINGUISHER ON STEEL BRACKETS

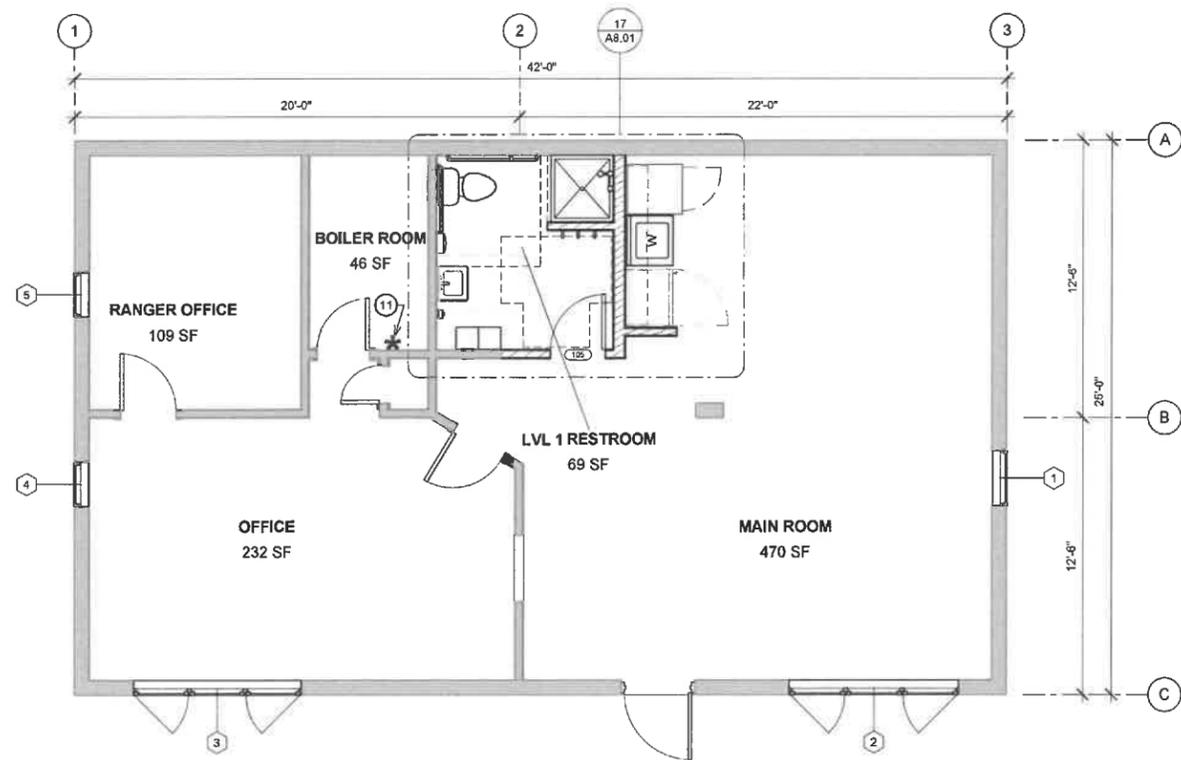
**ADD ALTERNATES**

- A1 DEMO (E) FLOORING/BASEBOARDS AND PREPARE SUBFLOOR AND WALLS FOR NEW FLOORING AND BASEBOARDS, REFER TO FINISH FLOOR DRAWING; REMOVE AND REPLACE BASEBOARD HEATER COVERS; SEE A8.01
- A2 PREP WALLS FOR PAINT; PAINT

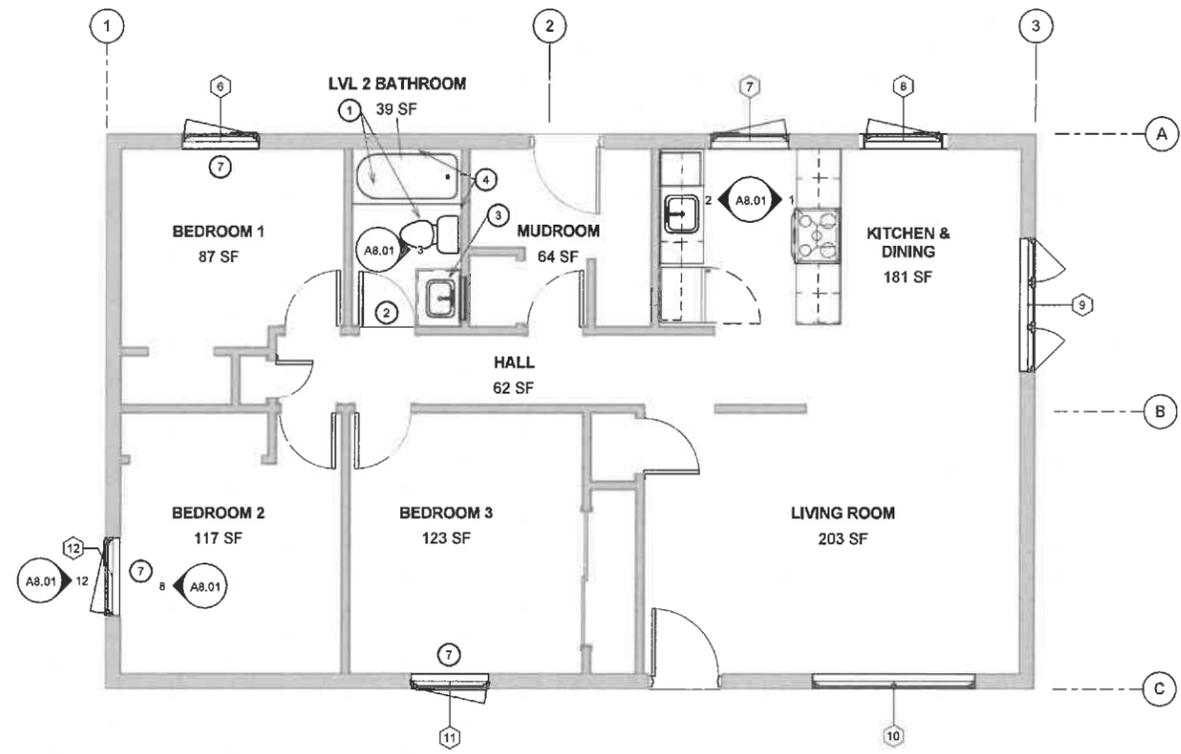
**GENERAL NOTES: FLOOR PLAN**

- 1. OWNERS PROPERTY TO REMAIN IN PLACE DURING CONSTRUCTION. CONTRACTOR TO PROTECT FROM ALL DEMOLITION AND NEW ACTIVITY.
- 2. CONTRACTOR TO COORDINATE MOVEMENT OF FURNITURE AS NEEDED FOR WORK REQUIRED IN EACH SPACE.
- 3. CONTRACTOR TO CONFIRM AND MANAGE UTILITY CONNECTIONS AND SHUTOFFS PRIOR TO ANY DEMOLITION
- 4. CONTRACTOR TO REMOVE, PROTECT AND REINSTALL ALL ITEMS FOR SALVAGE
- 5. ALL NEW GYPSUM TO BE MOISTURE RESISTANT
- 6. MATCH ALL EXISTING GYPSUM THICKNESS AT ADJACENT LOCATIONS
- 7. LEVEL 3 ORANGE PEEL TEXTURE FOR ALL NEW GYPSUM WALLS AND CEILING OR MATCH EXISTING WHERE OCCURS
- 8. SEE FINISH FLOOR PLAN FOR ADDITIONAL DEMOLITION NOTES.

3 REFLECTED CEILING PLAN - LEVEL 1 - NEW CONSTRUCTION  
1/4" = 1'-0"



2 LEVEL 01 - NEW CONSTRUCTION  
1/4" = 1'-0"

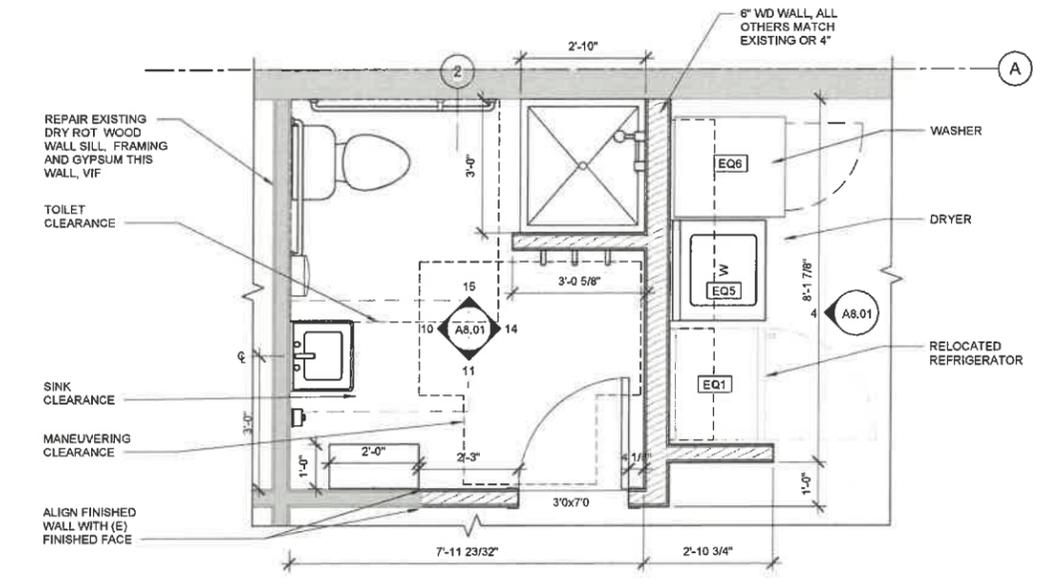


1 LEVEL 02 - NEW CONSTRUCTION  
1/4" = 1'-0"

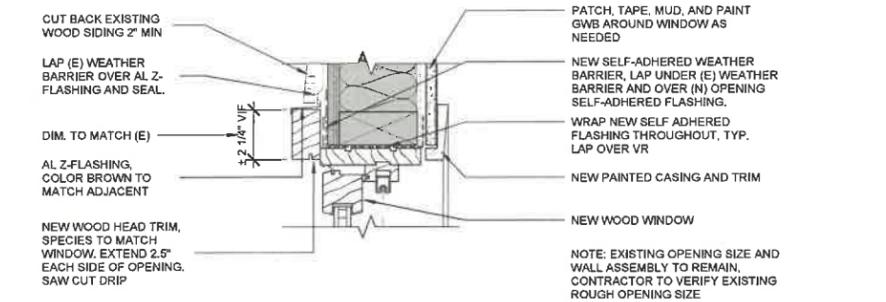


EQUIPMENT SCHEDULE				
TYPE MARK	COUNT	DESCRIPTION	MODEL	COMMENTS
EQ1	1	EXISTING REFRIGERATOR	N/A	RELOCATED FROM LEVEL 02
EQ2	1	REFRIGERATOR	FRIGIDAIRE GRBN2012AF	
EQ3	2	<varies>	FRIGIDAIRE FCRE306LAF	
EQ4	1	DISHWASHER	FRIGIDAIRE FFBD1831US	
EQ5	1	WASHER	SPEED QUEEN TR3003WN	
EQ6	1	ELECTRIC DRYER	SPEED QUEEN DR3003WE	

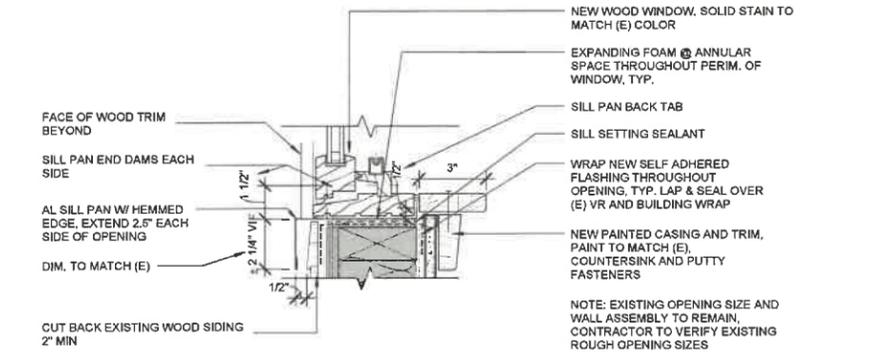
WINDOW SCHEDULE			
Mark	Height	Width	Type Comments
1	4'-0"	2'-6"	SINGLE HUNG
2	4'-0"	7'-7"	CASEMENT/FIXED
3	4'-0"	7'-7"	CASEMENT/FIXED
4	4'-0"	2'-0"	SINGLE HUNG
5	4'-0"	2'-0"	SINGLE HUNG
6	3'-0"	3'-6"	CASEMENT
7	3'-0"	3'-6"	CASEMENT
8	3'-0"	3'-6"	CASEMENT
9	4'-0"	6'-0"	CASEMENT/FIXED
10	4'-6"	7'-4"	DBL SINGLEHUNG
11	4'-2"	3'-6"	CASEMENT
12	3'-0"	3'-6"	CASEMENT



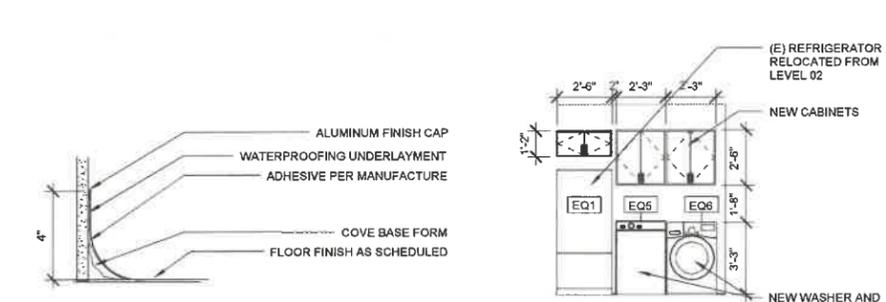
17 LEVEL 01 - NEW CONSTRUCTION - ENLARGED RESTROOM PLAN  
1/2" = 1'-0"



13 WINDOW HEAD SECTION DETAIL  
3" = 1'-0"



9 WINDOW JAMB/SILL SECTION DETAIL  
3" = 1'-0"

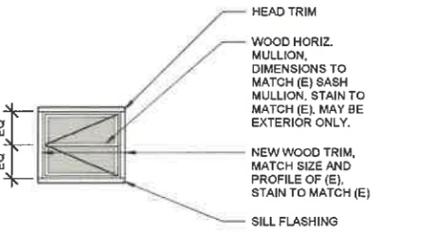


5 SECTION DETAIL - FLASH COVE  
3" = 1'-0"

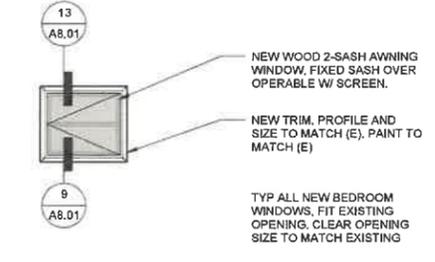
4 MAIN ROOM - W  
1/4" = 1'-0"



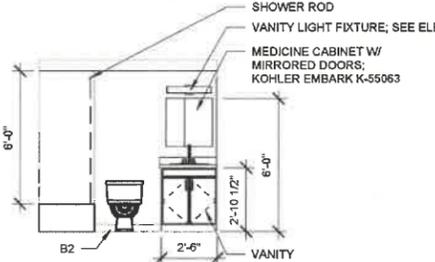
16 DOOR TRIM  
12" = 1'-0"



12 EXTERIOR NEW WINDOW ELEVATION, TYP.  
1/4" = 1'-0"



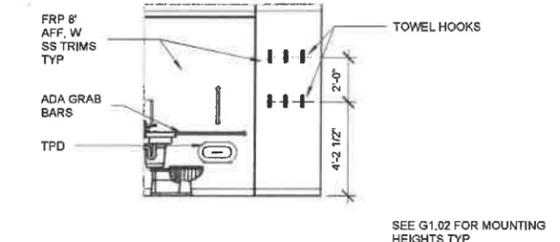
8 INTERIOR NEW WINDOW ELEVATION, TYP.  
1/4" = 1'-0"



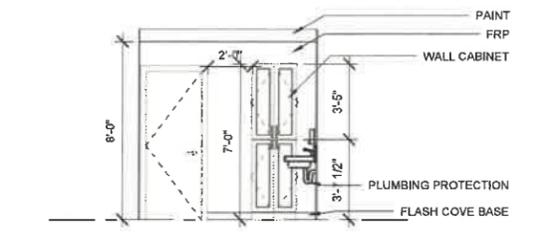
3 LEVEL 02 BATHROOM - E  
1/4" = 1'-0"



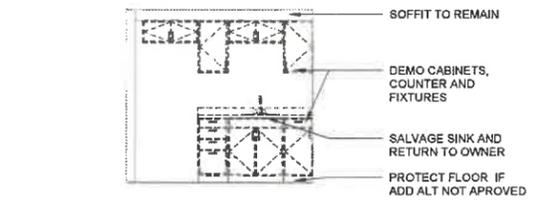
18 BASEBOARD HEATER  
12" = 1'-0"



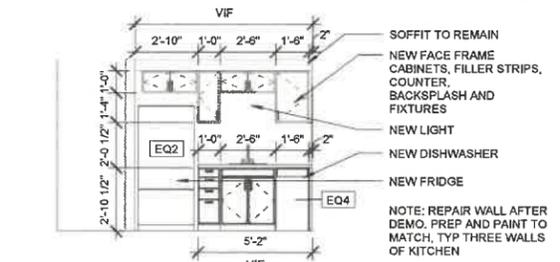
15 LEVEL 01 RESTROOM - N  
1/4" = 1'-0"



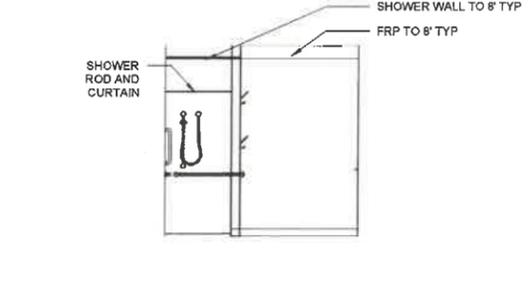
11 LEVEL 01 RESTROOM - S  
1/4" = 1'-0"



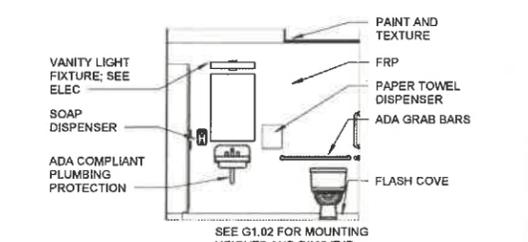
7 KITCHEN - W - DEMOLITION  
1/4" = 1'-0"



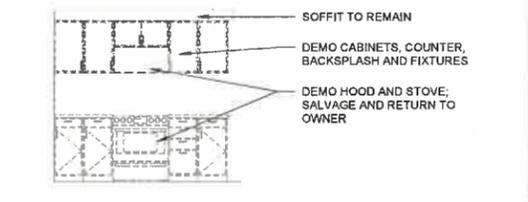
2 KITCHEN - W NEW CONSTRUCTION  
1/4" = 1'-0"



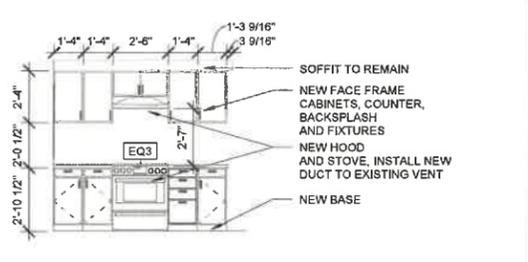
14 LEVEL 01 RESTROOM - E  
1/4" = 1'-0"



10 LEVEL 01 RESTROOM - W  
1/4" = 1'-0"



6 KITCHEN - E DEMOLITION  
1/4" = 1'-0"



1 KITCHEN - E NEW CONSTRUCTION  
1/4" = 1'-0"



INTERIOR ELEVATIONS, DETAILS AND ENLARGED  
PLAN  
DRS. ERH, CHECKED: JMS  
AUTHOR: CWR  
REVISION:  
ISSUE DATE: 02.11.2026  
OWNER CONTRACT:

A8.01  
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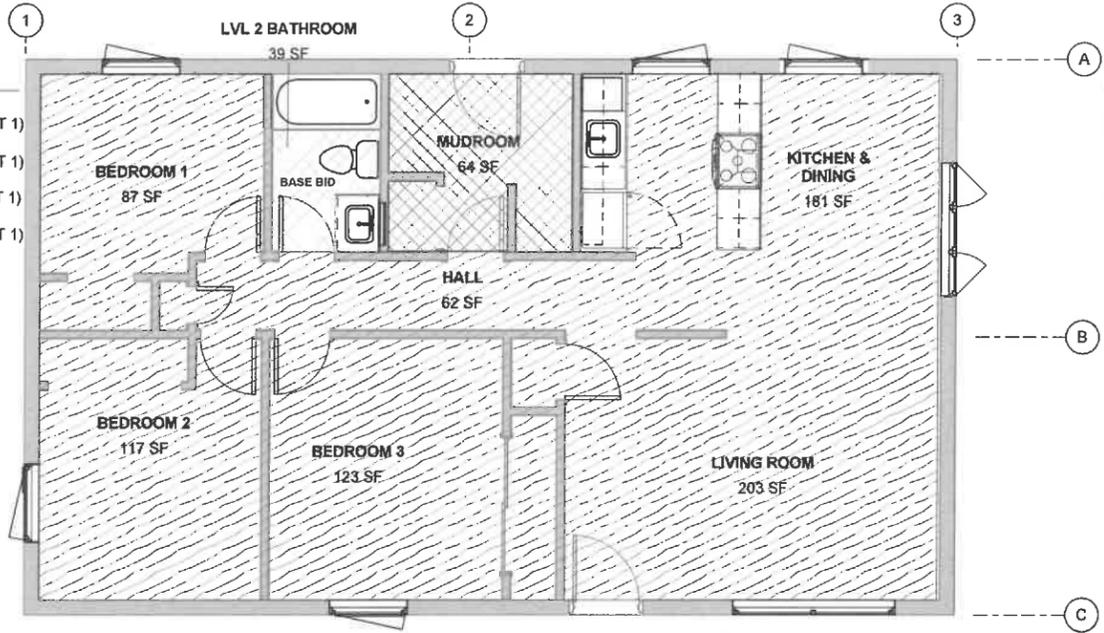
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ROOM FINISH SCHEDULE								
RM NUMBER	NAME	Area	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	NOTES	ADD ALT
101	MAIN ROOM	470 SF	(E) CARPET/SHEET VINYL	(E) / RESILIENT	(E)	NEW PAINT	REPAIR EXISTING FINISHES AS NEEDED FOR NEW WORK; SEE FINISH PLAN	1,2
104	BOILER ROOM	46 SF	NONE	NONE	NEW PAINT	NEW PAINT		
105	LVL 1 RESTROOM	69 SF	SHEET VINYL	RESILIENT	FRP	NEW PAINT	PAINT WALLS ABOVE FRP TO CEILING	
202	KITCHEN & DINING	181 SF	(E) LAMINATE WOOD	(E)	(E)	(E)		1,2
206B	BEDROOM 1	87 SF	(E) CARPET	(E)	(E)	(E)		1,2
206C	BEDROOM 2	117 SF	(E) CARPET	(E)	(E)	(E)		1,2
206D	BEDROOM 3	123 SF	(E) CARPET	(E)	(E)	(E)		1,2
206E	LIVING ROOM	203 SF	(E) LAMINATE WOOD	(E)	(E)	(E)		1,2
206F	HALL	62 SF	(E) LAMINATE WOOD	(E)	(E)	(E)		1,2
206G	MUDROOM	64 SF	(E) SHEET VINYL	(E)	(E)	(E)		1,2
206H	RANGER OFFICE	109 SF	(E) CARPET	(E)	(E)	(E)		1,2
206I	OFFICE	232 SF	(E) CARPET	(E)	(E)	(E)		1,2
206J	Room	Not Placed						
207	LVL 2 BATHROOM	39 SF	PORCILIEN TILE	RESILIENT	FRP	NEW PAINT	PAINT WALLS ABOVE FRP TO CEILING	

FINISH MATERIAL LEGEND								
MARK	MATERIAL	MANUFACTURER	STYLE / PRODUCT	COLOR	SIZE	FINISH	NOTES	LOCATION
B1	BASE - TILE		WOOD	MATCH TRIM PER LEVEL 4"		SATIN	NEW / ADDALT 1	NON WET LOCATIONS
B2	BASE - TILE	SHAW CONTRACT	CT88K STELLAR	00781 METEOR	3" X 12"		NEW / ADDALT 1	LVL 2 BATHROOM / MUDROOM
CPT1	CARPET TILE	SHAW CONTRACT	5T594 IMAGINE	93781 REVEAL	24" X 24"		ADDALT 1	OFFICES
FRP1	FIBERGLASS REINFORCED PLASTIC	MARLITE	STANDARD	WHITE	4' X 10'	SMOOTH		RESTROOM / BATHROOM WALLS
GI	GROUT - TILE	LATICRETE	SPECTRA LOCK	24 NATURAL GREY				TILE
LVT1	VINYL PLANK	SHAW CONTRACT	4489V PIVOT	00750 FUTURE			ADDALT 1	LVL2 FLOORS - SEE FINISH PLAN
PL1	PLASTIC LAMINATE	FORMICA		5487-58 OILED WALNUT		MATTE	ADDALT 2	KITCHEN
POR1	PORCELAIN	SHAW CONTRACT	CT82K STELLAR	00761 METEOR	2" X 2" MOSAIC		NEW / ADDALT 1	LVL 2 BATHROOM / MUDROOM
PT1	PAINT	SHERWIN WILLIAMS		7004 SNOWBOUND		EGGSHELL	ADDALT 2	THROUGHOUT
RSF1	RESILIENT SHEET	SHAW CONTRACT	4492V TRACTION SOLE	00535 ENCOURAGE		PER MANUFACTURER	NEW / ADDALT 1	LVL 1 FLOORS - SEE FINISH PLAN; SELF COVE LVL1 RESTROOM #4
SS1	SOLID SURFACE	CORIAN	QUARTZ	STRATUS WHITE LEATHERED				KITCHEN
TR1	TRANSITION	FUTURA TRANSITIONS	NO-LIP RAMP	ALUMINUM			NEW / ADDALT 1	FLOOR MATERIAL CHANGES

**FLOOR FINISH (ADD ALT)**

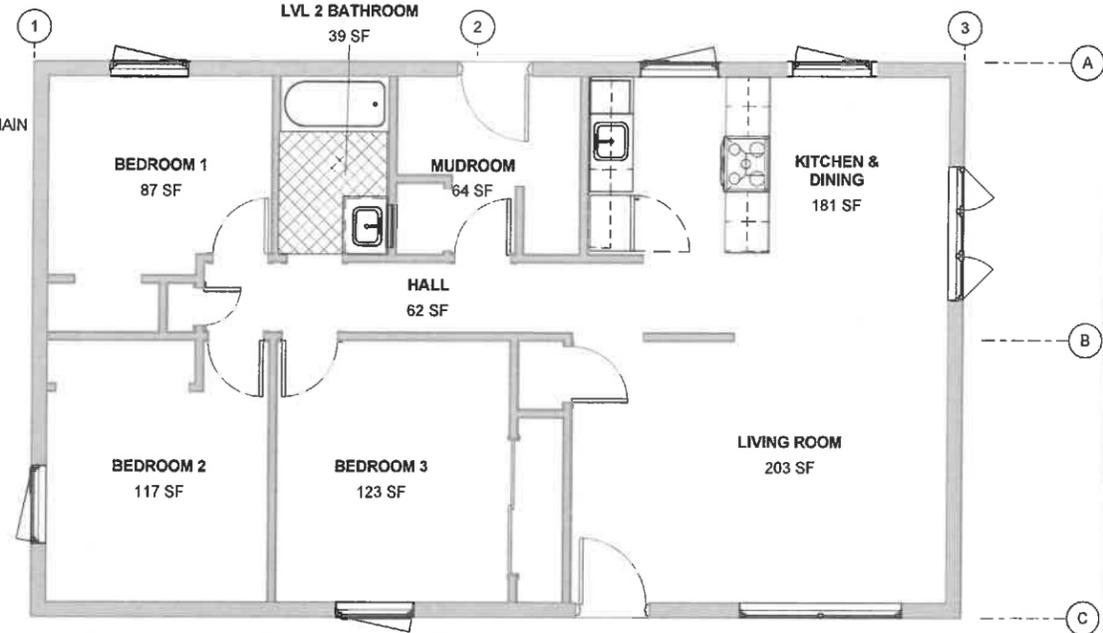
-  CPT1 (ADD ALT 1)
-  RSF1 (ADD ALT 1)
-  LVT1 (ADD ALT 1)
-  POR1 (ADD ALT 1)



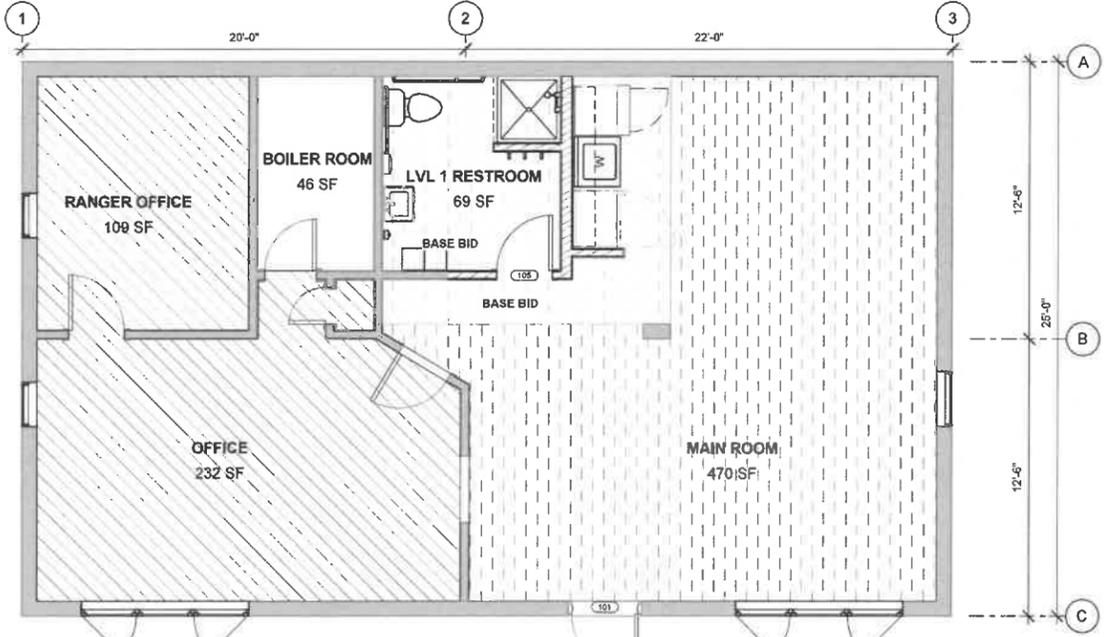
4 LEVEL 02 - FINISH FLOOR PLAN - ADDALT 2  
1/4" = 1'-0"

**FLOOR FINISH (BASE BID)**

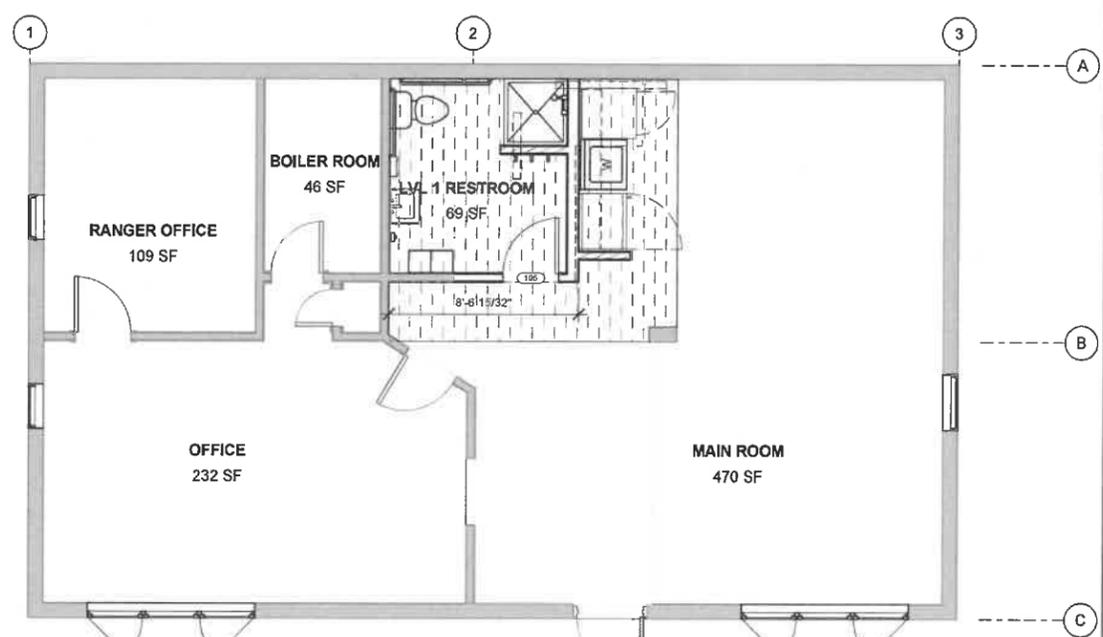
-  EXISTING TO REMAIN
-  RSF1
-  POR1



2 LEVEL 02 - FINISH FLOOR PLAN - NEW CONSTRUCTION  
1/4" = 1'-0"



3 LEVEL 01 - FINISH FLOOR PLAN - ADDALT 2  
1/4" = 1'-0"



1 LEVEL 01 - FINISH FLOOR PLAN - NEW CONSTRUCTION  
1/4" = 1'-0"

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FT. ABERCROMBIE RANGER STATION



FINISH FLOOR PLAN AND SCHEDULE

AUTHOR: BHS  
REVISION:  
ISSUE DATE: 02.11.2026  
OWNER CONTRACT:

ECI ARCHITECTURE DESIGN STRATEGY  
821 N STREET, SUITE 201  
ANCHORAGE, ALASKA 99501 907.561.5543  
PROJECT NO. 24-003.00

CONSTRUCTION DOCUMENTS

## MECHANICAL LEGEND

	DENOTES DEMOLITION
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RECIRCULATED PIPING
	WASTE PIPING
	VENT PIPING
	PIPING, SEE ABBREVIATIONS FOR MEDIA
	DIRECTION OF FLOW
	PIPE UP
	PIPE DOWN
	TEE UP
	TEE DOWN
	REDUCER / INCREASER
	CAP
	UNION
	WALL OR END OF LINE CLEANOUT
	HOSE BIBB
	ISOLATION VALVE
	BALANCE VALVE
	AUTOMATIC FLOW LIMITING VALVE
	CHECK VALVE
	STRAINER WITH BLOWDOWN
	FLEXIBLE PIPING CONNECTOR
	2-WAY CONTROL VALVE
	PRESSURE REDUCING VALVE
	PRESSURE/TEMPERATURE RELIEF VALVE
	THERMOMETER
	PRESSURE GAUGE WITH ISOLATION COCK
	PUMP
	FLOOR OR YARD CLEANOUT
	FLOOR DRAIN
	DUCT UP & DOWN (ROUND)
	SOUND LINED DUCTWORK
	INSULATED DUCTWORK
	THERMOSTAT OR SENSOR
	POINT OF CONNECTION TO EXISTING
	KEY NOTE
	DETAIL NUMBER
	SHEET LOCATED ON

## SEQUENCE OF OPERATIONS

**ELECTRIC BOILER SYSTEM (BLR-1, BC-1, CP-1, AND CONTROL VALVES)**  
 COORDINATE WITH EXISTING BUILDING CONTROLS TO PROVIDE ZONE VALVE CONTROL.  
 PROVIDE CONTROLLER AS REQUIRED FOR ZONE VALVE, PUMP, AND BOILER SEQUENCING.  
 ON CALL FOR HEAT FROM ZONE THERMOSTAT, ASSOCIATED ZONE VALVE SHALL OPEN, BOILER CIRCULATION PUMP AND BUILDING CIRCULATION PUMP SHALL OPERATE, AND BOILER SHALL BE ENABLED.  
 WHEN ENABLED, BOILER SHALL MAINTAIN SUPPLY WATER TEMPERATURE ACCORDING TO FACTORY OUTDOOR AIR TEMPERATURE RESET SCHEDULE AND FACTORY OUTDOOR AIR TEMPERATURE SENSOR. MAXIMUM SUPPLY WATER TEMPERATURE SETPOINT SHALL BE 178°F (ADJUSTABLE).  
 BOILER INTEGRAL CONTROLS SHALL PROVIDE ALL DIRECT CONTROL OF ELEMENTS SAFETY INTERLOCKS SHALL BE CONTROLLED BY BOILER FACTORY CONTROLS.

**ELECTRIC WATER HEATER (EWH-1)**  
 FACTORY CONTROLS SHALL OPERATE ELEMENTS TO MAINTAIN INTERNAL AQUATATS TEMPERATURES (120°F, ADJUSTABLE).

**TOILET ROOM EXHAUST FAN (EF-1)**  
 INTEGRAL CONTROLS SHALL SWITCH FAN FROM CONTINUOUS MODE (30 CFM) TO OCCUPIED BOOST MODE VIA INTEGRAL OCCUPANCY SENSOR. SET BOOST MODE TO LAST 30 MINUTES.

## NOTIFICATION OF POTENTIAL HAZARDS

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## PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	MINIMUM CONNECTION SIZE					MANUFACTURER	MODEL	COLOR	TRIM / REMARKS
		CW	HW	TRAP	VENT	WASTE				
WC-1	WATER CLOSET - FLOOR MOUNT - ADA	1/2"	--	--	2"	3"	KOHLER	HIGHLINE K-3493 (-RA)	WHITE	PRESSURE ASSIST, SPLIT RIM SEAT WITH COVER, PROVIDE TRIP LEVER ON ACCESSIBLE SIDE
WC-2	WATER CLOSET - FLOOR MOUNT	1/2"	--	--	2"	3"	KOHLER	WELLWORTH K-3505 (-RA)	WHITE	PRESSURE ASSIST, SPLIT RIM SEAT WITH COVER, PROVIDE TRIP LEVER ON ACCESSIBLE SIDE
LV-1	LAVATORY - WALL HUNG - ADA	1/2"	1/2"	1-1/4"	1-1/4"	1-1/2"	ACORN	DURAWARE 1950	STAINLESS	GOOSENECK SPOUT WITH WRISTBLADE HANDLES, POP-UP DRAIN, CONCEALED ARM SUPPORTS, FLOOR MOUNTED WALL CARRIER FOR ADA HEIGHT, ASSE 1070 TMV FOR HOT WATER SUPPLY
LV-2	LAVATORY - COUNTER MOUNT	1/2"	1/2"	1-1/4"	1-1/4"	1-1/2"	KOHLER	SOUTHERN K-33544-ASB	WHITE	K-33592-4K-8N FAUCET WITH POP-UP DRAIN, ASSE 1070 TMV FOR HOT WATER SUPPLY
SK-1	SINK - SINGLE COMPARTMENT	1/2"	1/2"	1-1/2"	1-1/2"	2"	JUST	SL-1921	STAINLESS	CHICAGO 434-ABSN FAUCET WITH PULL DOWN SPOUT, HOLE PUNCH AS REQUIRED FOR TRIM, DOUBLE CUP STAINLESS STEEL BASKET CUP STRAINER FOR NON DISPOSAL SIDE, NEOPRENE DISPOSAL SPLASH GUARD AND STOPPER, INSINKERATOR BADGER-5 1/2 HP GARBAGE DISPOSAL, DISHWASHER AIR GAP FITTING
SH-1	SHOWER	1/2"	1/2"	2"	1-1/2"	2"	STERLING	36"X34" VIKRELL 72300190	WHITE	DELTA PRESSURE BALANCED SHOWER VALVE T13291 WITH FIXED SHOWER HEAD, PROVIDE UNIVERSAL ROUGH IN VALVE BODY, SURROUND BY ARCHITECTURAL
BT-1	BATHTUB	1/2"	1/2"	1-1/2"	1-1/2"	2"	KOHLER	VILLAGER K-7156	WHITE	LEFT HAND OR RIGHT HAND DRAIN AS REQUIRED, DELTA T13491 PRESSURE BALANCED TUB/SHOWER FAUCET WITH DIVERTER, PROVIDE UNIVERSAL ROUGH IN VALVE BODY
WB-1	WASHER BOX	1/2"	1/2"	2"	1-1/2"	2"	OATEY	QUADTRO	WHITE	DRAIN ADAPTER, 1/4 TURN VALVES, WATER HAMMER ARRESTORS
RB-1	RECESSED WATER CONNECTION BOX	1/2"	--	--	--	--	OATEY	12K	WHITE	1/4 TURN VALVE, NSF 61 COMPLIANT

## EXPANSION TANK SCHEDULE

TAG	MFGR / MODEL	SERVICE	FLUID	TOTAL VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	DIMENSIONS	MATERIAL	LABEL	REMARKS
ET-1	AMTROL / EXTROL 60	HYDRONIC EXPANSION	WATER	7.6	2.5	11"Ø x 23"	STEEL/BUTYL	--	PRECHARGE TO 15 PSIG
ET-2	AMTROL / THERM-X-TROL ST-12	DOMESTIC HOT WATER EXPANSION	WATER	4.4	3.2	11"Ø x 15"	STEEL/BUTYL	NSF	PRECHARGE TO WATER SUPPLY STATIC PRESSURE
WT-1	AMTROL / WELL-X-TROL WX-203	WELL PUMP EXPANSION	WATER	32.0	11.2	15"Ø x 47"	STEEL/BUTYL	NSF	9.4 GALLON DRAWDOWN AT 40 PSIG - 60 PSIG, ANTI-MICROBIAL LINER, FIELD VERIFY SIZE MATCHES EXISTING

## PUMP SCHEDULE

TAG	MFGR / MODEL	SERVICE	FLUID	FLOW RATE (GPM)	HEAD (FEET)	MOTOR DATA			REMARKS
						RPM	WATTS	VOLTS/PH	
BC-1	GRUNDFOS / UPS 15-58 FC	BOILER CIRCULATION	WATER	8.0	6.0'	2,450	87	120/1	--
CP-1	GRUNDFOS / UPS 15-58 FC	BUILDING HEAT	WATER	7.0	12.0'	2,450	87	120/1	OPERATING POINT GIVEN FOR SIZING ONLY

## AIR SEPARATOR SCHEDULE

TAG	MFGR / MODEL	SERVICE	FLUID	FLOW RATE (GPM)	WPD (FT HD)	INLET/OUTLET SIZE	DIMENSIONS	LABEL	REMARKS
AS-1	SPIROTHERM / VDR-125M	BUILDING HEAT HYDRONIC SYSTEM	WATER	7.0	<1.0'	1-1/4"	16"H x 3.3"Ø	--	COMBINATION AIR AND DIRT SEPARATOR WITH AUTO AIR VENT AND MAGNET

## ELECTRIC BOILER SCHEDULE

TAG	MFGR / MODEL	TYPE	FLUID	MAX KW	GROSS OUTPUT (MBH)	ELECTRICAL DATA			LABEL	REMARKS
						AMPS	MOCP	VOLTS/PH		
BLR-1	THERMOLEC / B-20	STAINLESS STEEL	WATER	20	68.2	83.4	1x 125	240/1	ASME	4x ELEMENTS 5KW ea., WITH TRIM PER INTERNATIONAL MECHANICAL CODE CHAPTER 10, 178°F OPERATING SETPOINT

## ELECTRIC WATER HEATER SCHEDULE

TAG	MFGR / MODEL	STORAGE (GALLONS)	RECOVERY AT 80°F RISE (GPH)	ELECTRICAL DATA		FULL WEIGHT (LBS)	REMARKS	
				WATTS	VOLTS/PH			
EWH-1	A.O. SMITH / DEN-80	80	63	12,200	240/1	UL 174	900	DUAL ELEMENTS, SIMULTANEOUS OPERATION, TEMPERATURE AND PRESSURE RELIEF VALVE, DRAIN VALVE

## BASEBOARD SCHEDULE

TAG	MFGR / MODEL	OUTPUT (BTU/HLF)	FLUID	EFT	LFT	TUBE SIZE	ELEMENT FIN SIZE	FIN PER FOOT	FIN THICKNESS	NUMBER OF TIERS	ENCLOSURE THICKNESS	ENCLOSURE HEIGHT	MOUNTING HEIGHT	COLOR	REMARKS
BB-1	SUNTEMP / NST-900	710	WATER	180°F	160°F	3/4"Ø Cu	3-1/4" SQ	55	0.020" AL	1	16 GA	9"	9"	PER ARCH	OUTPUT SCHEDULED BASED ON WATER AT 170°F AVERAGE

## FAN SCHEDULE

TAG	MFGR / MODEL	SERVICE	AIRFLOW (CFM)	ESP (IN WG)	DRIVE	HVJ SCORES RATING	ELECTRICAL DATA		REMARKS
							HP/AMPS	VOLTS/PH	
EF-1	PANASONIC / FV-0511VKL3	BATHROOM EXHAUST	80	0.25"	DIRECT	<0.5	0.19 AMPS	120/1	EC MOTOR, MULTI-SPEED TIMER MODULE, MOTION SENSOR MODULE, ADJUSTABLE HUMIDITY SENSOR MODULE, SET CONTINUOUS AIRFLOW TO 30 CFM, BOOST MODE AIR FLOW AS SCHEDULED

## RANGE HOOD SCHEDULE

TAG	MFGR / MODEL	SERVICE	NOMINAL AIRFLOW (CFM)	DIMENSIONS LENGTH x WIDTH x HEIGHT	ELECTRICAL DATA		LABEL	REMARKS
					AMPS	VOLTS/PH		
RH-1	BROAN / GLA1303	DOMESTIC RANGE EXHAUST	150	29-15/16" x 19-11/16" x 6"	0.8	120/1	UL	WITH REMOVABLE GREASE FILTER(S), TWO SPEED FAN ROCKER SWITCH, LIGHT SWITCH, COLOR/FINISH PER ARCHITECT

MECHANICAL SCHEDULES

AUTHOR: NZS CHECKED: NZS

REVISION: ISSUE DATE: 08.08.2025  
 T3 ALASKA, LLC PROJECT NO: 2025.028.0



FT. ABERCROMBIE RANGER STATION

CONSTRUCTION DOCUMENTS



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 ANCHORAGE, ALASKA 907.561.5543

M0.01

FULL SIZE PRINTED ON 22 x 34

ABBREVIATIONS

Table with 4 columns and 4 rows of abbreviations and their corresponding full names, such as ADA (Americans with Disabilities Act), AFF (Above Finished Floor), and GPM (Gallons per Minute).

NOTIFICATION OF POTENTIAL HAZARDS

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SPECIFICATIONS

Main specifications table with columns for Section, General, Product Substitutions, Training, Equipment Installation, Penetrations, Test and Start-Up, Record Drawings, Section 20 05 00, Section 20 05 29, Section 20 05 48, Section 20 10 00, Section 20 05 53, Section 20 07 00, Section 20 21 16, Section 23 03 00, Section 23 05 93, and Section 23 50 00.

Vertical text and logo for T3 ALASKA LLC, Mechanical & Electrical Engineering, and ECI ARCHITECTURE DESIGN STRATEGY.

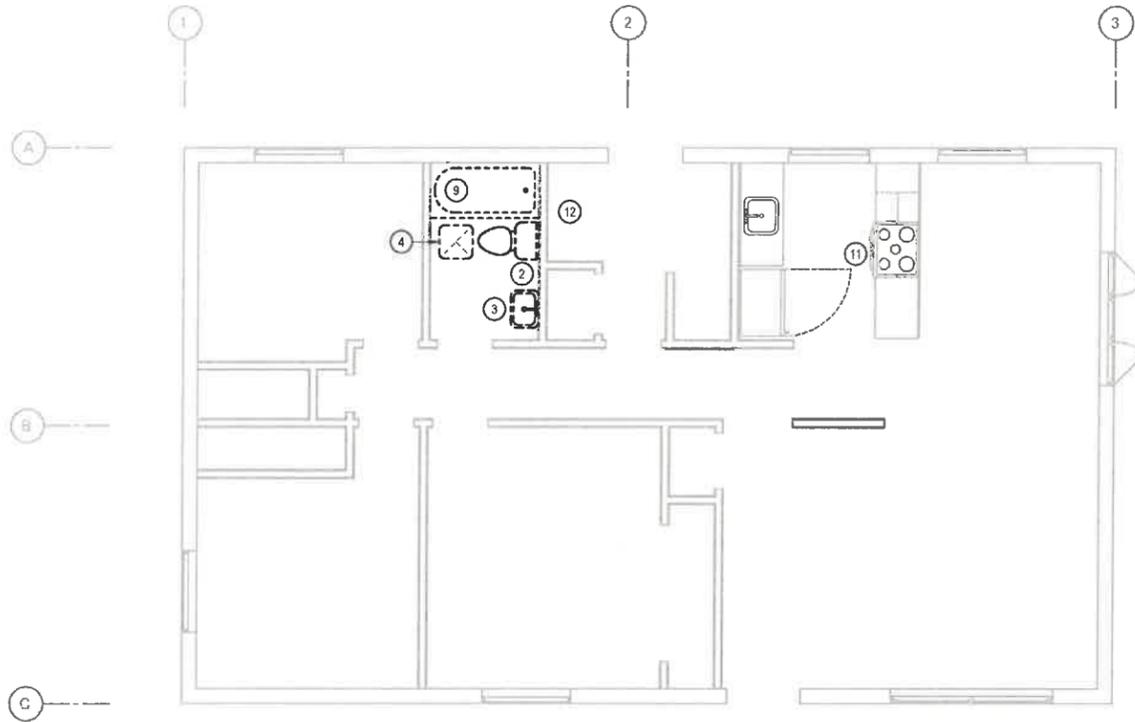
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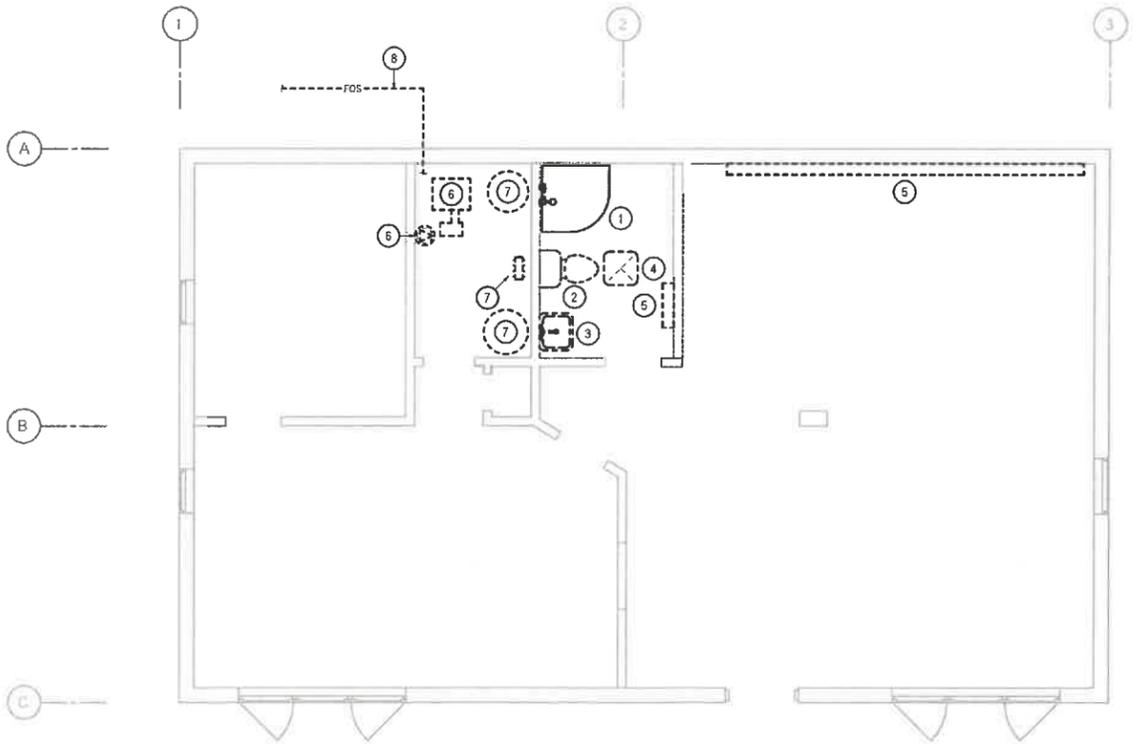
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**2 LEVEL 2 MECHANICAL DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"



**1 LEVEL 1 MECHANICAL DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"

**KEY NOTES**

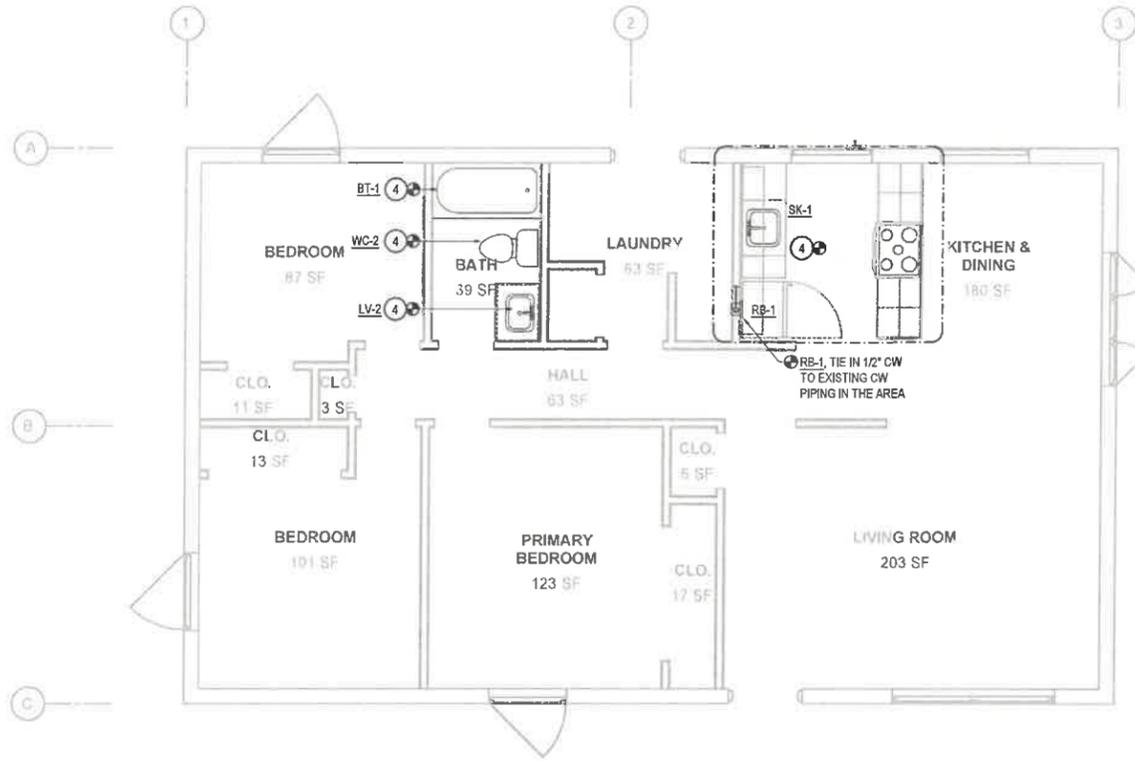
- 1 REMOVE EXISTING SHOWER. REMOVE BRANCH PIPING AS REQUIRED FOR CONNECTIONS SHOWN IN REMODEL PLANS. ANY ABANDONED WASTE PIPING SHALL BE CAPPED BELOW GRADE.
- 2 REMOVE EXISTING WATER CLOSET. REMOVE BRANCH PIPING AS REQUIRED FOR CONNECTIONS SHOWN IN REMODEL WORK.
- 3 REMOVE EXISTING LAVATORY. REMOVE BRANCH PIPING AS REQUIRED FOR CONNECTIONS SHOWN IN REMODEL WORK.
- 4 REMOVE EXISTING EXHAUST FAN. REMOVE EXISTING DUCTWORK AND TERMINATION. PATCH AND REPAIR PENETRATIONS.
- 5 REMOVE EXISTING FIN-TUBE BASEBOARD. REMOVE BRANCH PIPING AS REQUIRED FOR CONNECTIONS SHOWN IN REMODEL PLANS.
- 6 REMOVE EXISTING BOILER AND BOILER CIRCULATOR. SEE 1M4.01. REMOVE EXISTING BOILER FLUE AS REQUIRED FOR WORK SHOWN IN REMODEL PLANS.
- 7 REMOVE EXISTING DOMESTIC WATER EQUIPMENT INCLUDING EXISTING INLINE FILTER AND ABANDONED WATER SOFTENER.
- 8 REMOVE ALL EXISTING FUEL OIL PIPING. REMOVE EXISTING FUEL OIL TANK.
- 9 REMOVE EXISTING TUB/SHOWER COMBO. REMOVE BRANCH PIPING AS REQUIRED FOR CONNECTIONS SHOWN IN THE REMODEL PLANS.
- 11 REMOVE EXISTING RANGE HOOD. REMOVE BRANCH DUCTWORK AS REQUIRED FOR CONNECTIONS SHOWN IN THE REMODEL PLANS.
- 12 EXISTING WASHER AND DRYER IN THIS AREA SHALL REMAIN. ALL ASSOCIATED PIPING, DUCTWORK, AND ACCESSORIES SHALL REMAIN.

**SHEET NOTES**

1. EXISTING SYSTEMS SHOWN ON THE DRAWINGS ARE FROM A NON-DESTRUCTIVE WALK THROUGH OF THE SPACE. ACTUAL SYSTEMS MAY VARY FROM THE INFORMATION INDICATED ON THE DRAWINGS. THE DRAWINGS MAY NOT SHOW ALL EXISTING SYSTEMS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS, LOCATIONS, SERVICE, AND SIZES BEFORE START OF WORK.
2. COORDINATE WITH BUILDING OWNER FOR ALL WORK TAKING PLACE IN OCCUPIED TENANT SPACES AND FOR WORK REQUIRING SHUT DOWN OF BUILDING SYSTEMS.
3. FULLY FLUSH EXISTING HYDRONIC SYSTEM PRIOR TO REMODEL WORK. TEST AND TREAT BOILER WATER WHEN REFILLED.



0'-  
1'-



**3 LEVEL 2 PLUMBING REMODEL PLAN**  
SCALE: 1/4" = 1'-0"

**NOTIFICATION OF POTENTIAL HAZARDS**

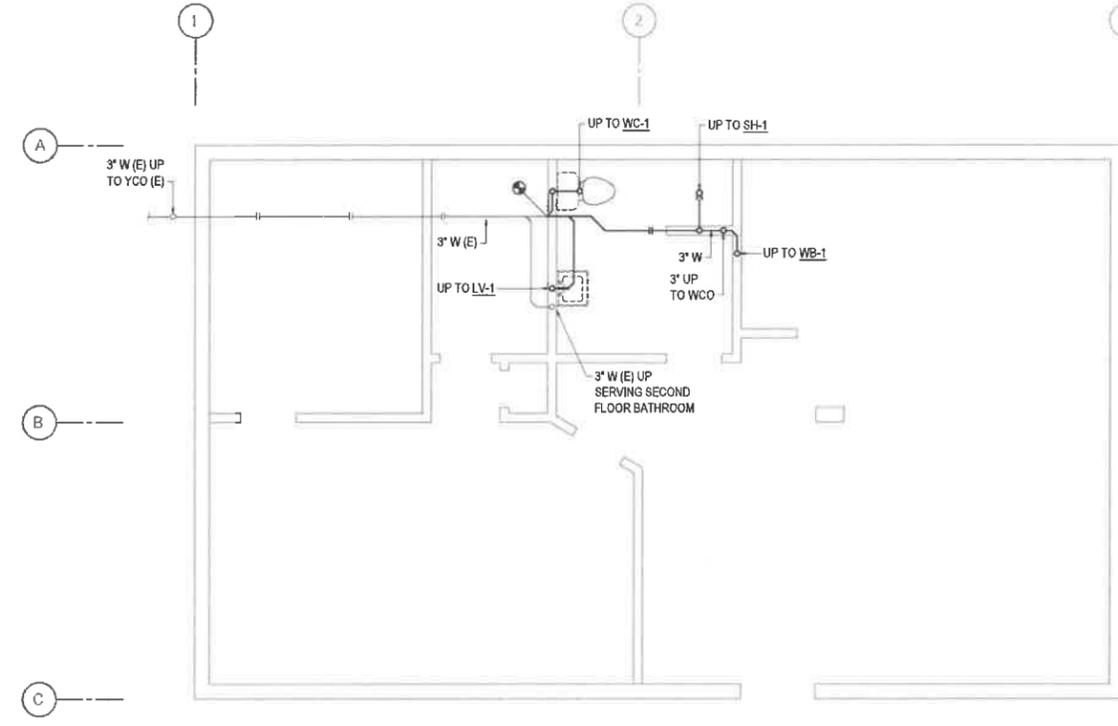
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**KEY NOTES**

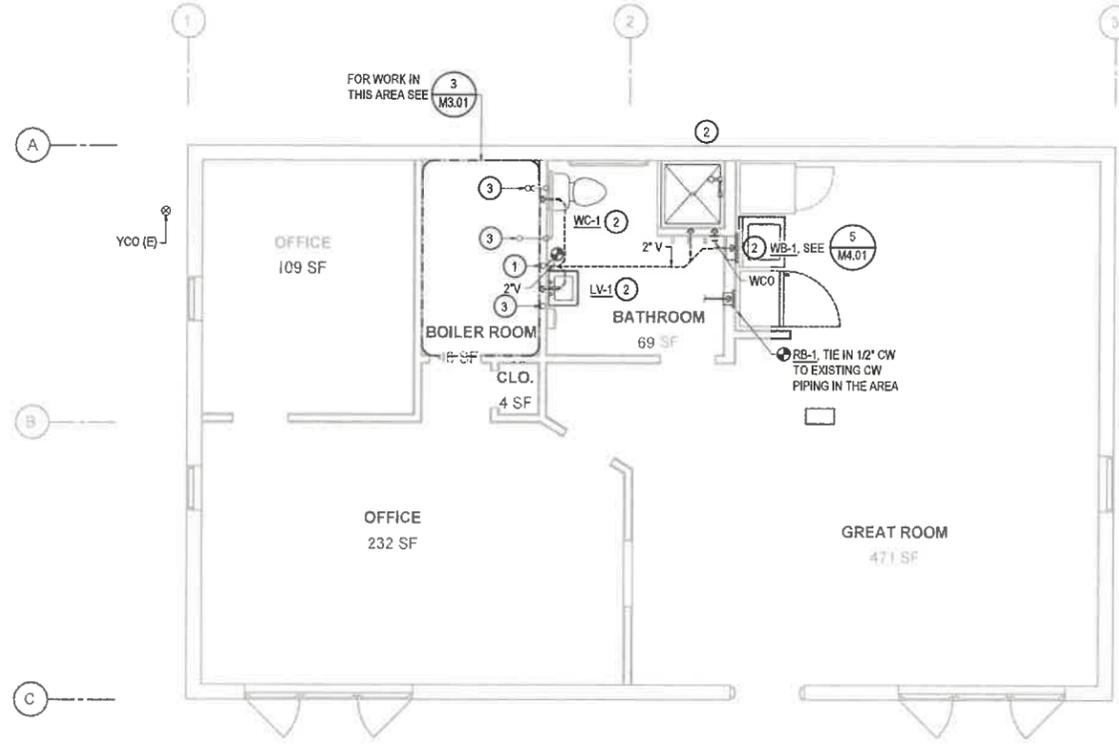
- 1 2" V UP (E), TIE REMODEL 2" V INTO 2" V (E) OR LARGER IN THE AREA. CONTRACTOR TO FIELD VERIFY SIZE AND LOCATION OF EXISTING.
- 2 RECONNECT HOT WATER AND COLD WATER PIPING TO EXISTING PIPING SERVING REMOVED FIXTURES. RECONFIGURE BRANCH PIPING AS REQUIRED FOR REMODEL FIXTURE LOCATIONS. BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE INDICATED ON THE PLUMBING FIXTURE SCHEDULE. BRANCH PIPING SERVING MULTIPLE FIXTURES SHALL BE 3/4" UNLESS OTHERWISE SPECIFIED.
- 3 EXISTING WASTE PIPING SERVING FIXTURES ABOVE.
- 4 RECONNECT REMODEL FIXTURE TO EXISTING SUPPLY, WASTE, AND VENT PIPING SERVING REMOVED FIXTURE.

**SHEET NOTES**

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- 2. COORDINATE WITH BUILDING OWNER FOR ALL WORK TAKING PLACE IN OCCUPIED TENANT SPACES AND FOR WORK REQUIRING SHUT DOWN OF BUILDING SYSTEMS.
- 3. BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE INDICATED ON THE PLUMBING FIXTURE SCHEDULE UNLESS OTHERWISE INDICATED.
- 4. PROVIDE CLEANOUT ON ALL INDIVIDUAL SINK RISERS.



**1 UNDERSLAB PLUMBING REMODEL PLAN**  
SCALE: 1/4" = 1'-0"



**2 LEVEL 1 PLUMBING REMODEL PLAN**  
SCALE: 1/4" = 1'-0"

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CONSTRUCTION DOCUMENTS

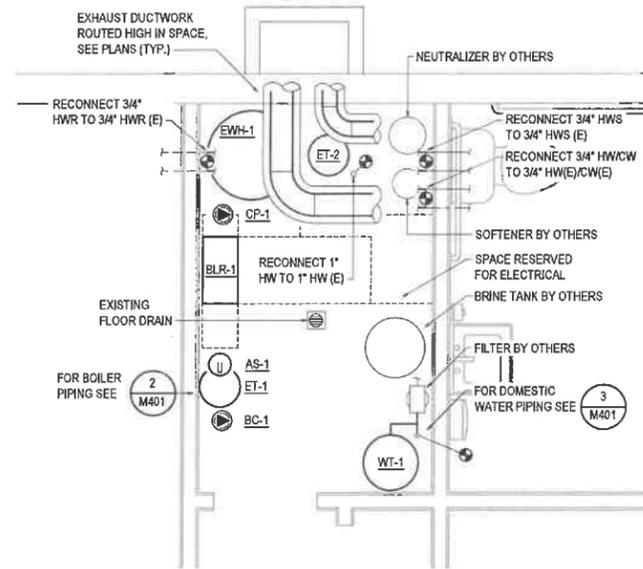


**PLUMBING REMODEL PLANS**

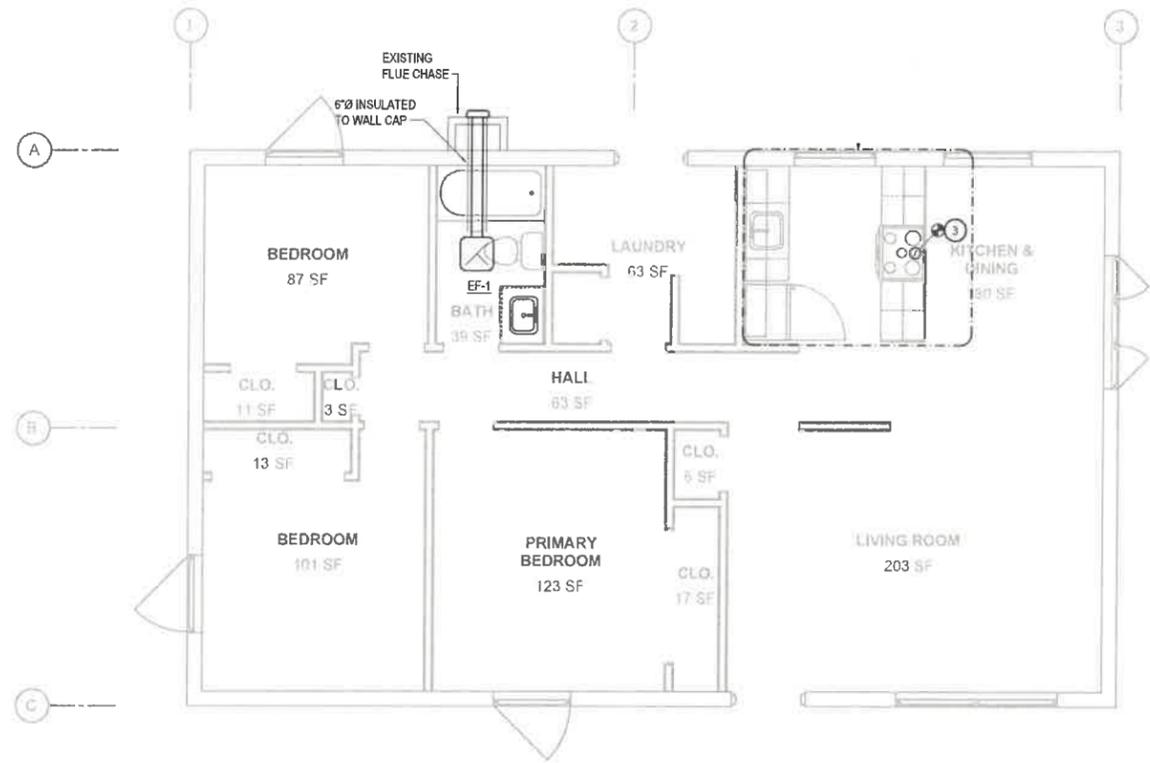
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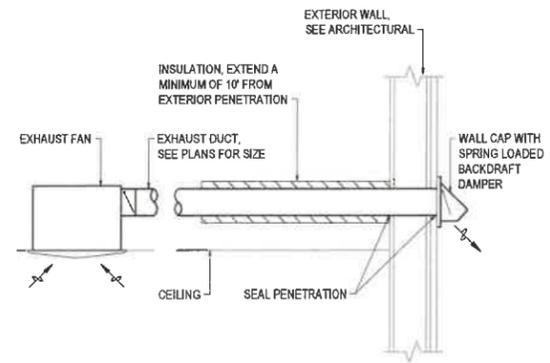
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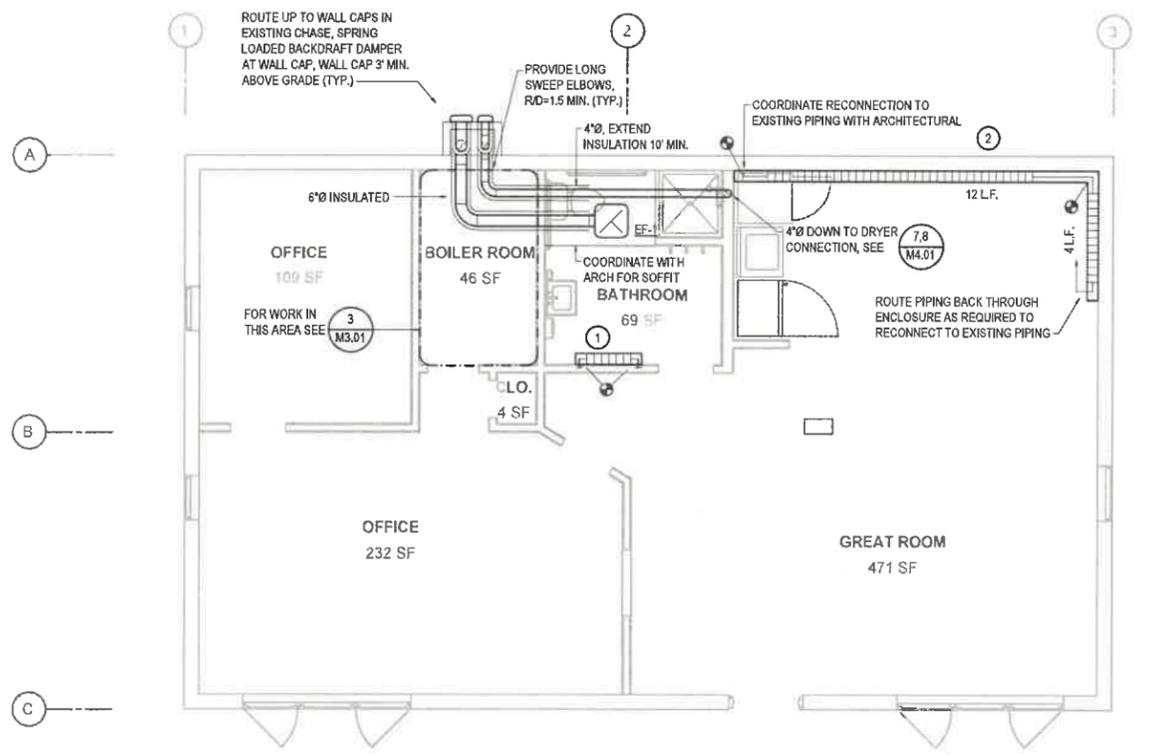
**3 ENLARGED BOILER ROOM PLAN**  
SCALE: 1/2" = 1'-0"



**2 LEVEL 2 HVAC REMODEL PLAN**  
SCALE: 1/4" = 1'-0"



**4 EXHAUST FAN DETAIL**  
SCALE: NONE



**1 LEVEL 1 HVAC REMODEL PLAN**  
SCALE: 1/4" = 1'-0"

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- COORDINATE FINAL FAH LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS, ELECTRICAL LIGHTING PLANS

**KEY NOTES**

- BB-1, 2 L.F. RECONNECT TO EXISTING HWS PIPING SERVING REMOVED FIN-TUBE BASEBOARD IN THIS AREA. SEE 4M4.01.
- BB-1, 16 L.F. RECONNECT TO EXISTING HWS PIPING SERVING REMOVED FIN-TUBE BASEBOARD IN THIS AREA. SEE 4M4.01.
- RH-1 RECONNECT TO EXISTING RANGE HOOD EXHAUST AND ROOF CAP.

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CONSTRUCTION DOCUMENTS



**HVAC REMODEL PLANS**

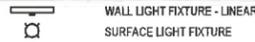
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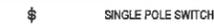


## ELECTRICAL SYMBOLS

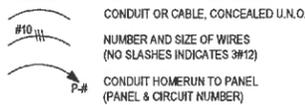
### LIGHTING FIXTURES



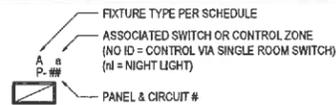
### LIGHTING CONTROLS



### CONDUITS AND CONDUCTORS



### LIGHT FIXTURE NOMENCLATURE



### POWER DEVICES AND EQUIPMENT



## ELECTRICAL SPECIFICATIONS

### SECTION 26 05 00 - COMMON WORK RESULTS FOR ELECTRICAL

- PROVIDE MATERIALS AND EQUIPMENT THAT ARE PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS. ALL MATERIALS SHALL BE LISTED AND LABELED FOR THE APPLICATION WITH A NATIONALLY RECOGNIZED TESTING LABORATORY IN ACCORDANCE WITH NFPA 70.
- MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, STATE, MUNICIPAL, AND FEDERAL LAWS, AND AMENDMENTS GOVERNING THE PROJECT. INSTALLATION OF EQUIPMENT SHALL BE ACCORDANCE WITH THE WRITTEN INSTRUCTIONS RECOMMENDATIONS OF THE MANUFACTURER.
- THE CONTRACTOR SHALL BECOME FAMILIAR WITH ALL DETAILS OF WORK AND VERIFY ALL DIMENSIONS IN THE FIELD SO THAT ALL OUTLETS AND EQUIPMENT ARE PROPERLY LOCATED AND READILY ACCESSIBLE.
- LIGHTING FIXTURES, OUTLETS, AND OTHER EQUIPMENT AND MATERIALS SHALL BE COORDINATED WITH STRUCTURAL FEATURES AND ALL OTHER TRADES PRIOR TO INSTALLATION, IF ANY CONFLICTS OCCUR NECESSITATING DEPARTURES FROM THE DRAWINGS, DETAILS OF, AND REASONS FOR DEPARTURES SHALL BE SUBMITTED AND ACCEPTED PRIOR TO IMPLEMENTING ANY CHANGE.
- THE LISTED PUBLICATIONS BELOW ESTABLISH MINIMUM REQUIREMENTS FOR MATERIALS, SYSTEMS AND EXECUTION THAT MAY BE SPECIFIED IN THIS SECTION AND UTILIZED FOR THIS PROJECT.
  - NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA): NECA 1 - STANDARD PRACTICES FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION
  - NATIONAL FIRE PROTECTION ASSOCIATION (NFPA): NFPA 70 NATIONAL ELECTRICAL CODE, NFPA 70E STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE.

### SECTION 26 05 19 - POWER CONDUCTORS AND CABLES

- PROVIDE WIRING, CABLES AND ASSOCIATED SPLICES, CONNECTORS, AND TERMINATIONS FOR WIRING SYSTEMS RATED 600 VOLTS AND LESS. CONDUCTOR AMPACITY SHALL BE BASED ON TABLE 310-16 OF THE NEC UTILIZING THE 90-DEGREE C RATING COLUMN FOR CIRCUITS TERMINATING ON DEVICES RATED BELOW 100 AMPS AND THE 75-DEGREE C RATING COLUMN FOR CIRCUITS TERMINATING ON DEVICES AND IN ENCLOSURES RATED 100 AMPS AND GREATER.
- ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE. ALL CONDUCTORS INSTALLED IN UNHEATED SPACES WITHIN THE BUILDING, UNDERGROUND, OR LOCATED OUTSIDE OF THE BUILDING SHALL HAVE TYPE XHHW 90 DEGREE C INSULATION. ALL CONDUCTORS INSTALLED WITHIN HEATED SPACES MAY HAVE XHHW OR THHN 90 DEGREE C INSULATION.
- CONDUCTORS NO. 8 AWG AND LARGER DIAMETER SHALL BE STRANDED. CONDUCTORS NO. 12 AWG AND SMALLER SHALL BE SOLID, EXCEPT THAT CONDUCTORS FOR REMOTE CONTROL, ALARM, AND SIGNAL CIRCUITS, CLASSES 1, 2, AND 3 SHALL BE STRANDED.
- BRANCH CIRCUITS. CONDUCTORS SHALL BE NOT SMALLER THAN NO. 12 AWG. CONDUCTORS FOR BRANCH CIRCUITS OF 120 VOLTS MORE THAN 100 FEET LONG AND OF 277 VOLTS MORE THAN 200 FEET LONG FROM PANEL TO FARTHEST DEVICE OR LOAD, SHALL BE NO SMALLER THAN NO. 10 AWG. CONDUCTORS FOR BRANCH CIRCUITS OF 120 VOLTS MORE THAN 150 FEET LONG AND OF 277 VOLTS MORE THAN 300 FEET LONG FROM PANEL TO FARTHEST DEVICE OR LOAD, SHALL BE NO SMALLER THAN NO. 8 AWG.
- INSTALL CONDUCTORS IN COMPLIANCE WITH NEC REQUIREMENTS FOR TEMPERATURE AND CONDUIT FILL DERATING AND BOX FILL LIMITATIONS.
- COLOR CODE CONDUCTORS AS FOLLOWS:
  - 240/120 VOLT, 1 PHASE, 3 WIRE: BLACK, RED, WHITE
  - 120/208 VOLT, 3 PHASE, 4 WIRE: BLACK, RED, BLUE, WHITE
  - 277/480 VOLT, 3 PHASE, 4 WIRE: BROWN, ORANGE, YELLOW, WHITE OR GRAY WITH ID STRIPE.
- GROUNDING CONDUCTORS: PROVIDE A GREEN EQUIPMENT GROUNDING CONDUCTOR IN EACH NEW RACEWAY, SIZED IN ACCORDANCE WITH NFPA 70, REGARDLESS OF THE TYPE OF CONDUIT.

### SECTION 26 05 33 - RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS

- PROVIDE RACEWAYS AND BOXES LISTED AND SUITABLE FOR THE PROPOSED APPLICATION. PROVIDE AN EFFICIENTLY LAID OUT SYSTEM THAT ALLOWS FOR FUTURE GROWTH. COORDINATE RACEWAYS WITH THE WORK OF OTHER TRADES, AND COORDINATE LAYOUT AND CONSTRUCTION WITH OTHER CONSTRUCTION ELEMENTS TO ENSURE MAXIMUM HEADROOM, WORKING CLEARANCE, AND ACCESS.
- UTILIZE RACEWAY SYSTEMS LISTED AND SUITABLE FOR THE ENVIRONMENT INSTALLED AS DEFINED BELOW:
  - OUTDOORS (EXPOSED): WEATHERPROOF RIGID STEEL CONDUIT OR EMT SYSTEM.
  - INDOORS (NOT SUBJECT TO PHYSICAL DAMAGE): EMT OR TYPE MC CABLE.
  - CONNECTION TO VIBRATING EQUIPMENT: FLEXIBLE METAL CONDUIT, LIQUID-TIGHT IN DAMP AND WET LOCATIONS.

### SECTION 26 24 16 PANELBOARDS & LOAD CENTERS

- ALL PANELBOARDS SHALL BE FACTORY ASSEMBLED OF THE BOLTED CIRCUIT BREAKERS TYPE WITH SOLID COPPER BUSSING, FULL SIZED NEUTRAL 100% GROUND BUSSING, AND OVERALL HINGED/LOCKABLE DOOR. ALL CIRCUIT BREAKERS SHALL BE OF THE QUICK-MAKE AND QUICK-BREAK DESIGN, THERMAL-MAGNETIC TYPE, TRIP FREE AND TRIP-INDICATING. ALL PANELS SHALL BE DEAD FRONT AND FLUSH OR SURFACE MOUNTED AS SHOWN AND SHALL BE FURNISHED WITH A TYPEWRITTEN DIRECTORY CARD OF THE CIRCUITS AND AN ENGRAVED NAMEPLATE.

- CIRCUIT BREAKER PANELBOARDS SHALL HAVE FULL LENGTH NON-TAPERED BUS BARS ARRANGED AND DRILLED FOR SEQUENCE PHASING.
- ALL PANELS SHALL HAVE DOORS FLUSH WITH THE TRIM, EQUIPPED WITH LOCKS, AND KEYPAD ALIKE. ALL MULTI-POLE BREAKERS SHALL BE COMMON TRIP.
- ALL PANELBOARDS PHASE AMPERAGE SHALL BE BALANCED TO WITHIN 10 PERCENT MAX. TO MIN. REARRANGE BRANCH CIRCUITS AS REQUIRED AND NOTE CHANGES ON RECORD DRAWINGS.
- PANELS SHALL BE AS INDICATED ON THE DRAWINGS. ALL BRANCH CIRCUIT BREAKERS (CB) SHALL BE RATED 20 AMPERES SINGLE POLE MINIMUM, EXCEPT AS NOTED OR REQUIRED BY LOCAL CODES.
- PROVIDE LOCKOUT CLIPS ON CIRCUIT BREAKERS WHERE INDICATED ON PANEL SCHEDULE.
- PROVIDE ONE SPARE 1" CONDUIT FOR EACH SIX SPACES OR SPARE CIRCUIT BREAKERS IN EACH RECESSED MOUNTED PANEL. MINIMUM 1- SPARE CONDUIT PER PANEL. RUN CONDUIT TO A LOCATION JUST ABOVE CEILING.
- CIRCUIT BREAKERS SERVING HEATING, VENTILATION, AND/OR AIR CONDITIONING (HVAC) EQUIPMENT SHALL BE RATED AND MARKED "HACR", IF FUSING IS NOT PROVIDED AT PIECE OF HVAC EQUIPMENT. FIELD VERIFY EXACT "HACR" BREAKER REQUIREMENTS WITH HVAC EQUIPMENT NAMEPLATE AND MANUFACTURER'S REQUIREMENTS PRIOR TO INSTALLATION.
- IN SERVICE ENTRANCE APPLICATIONS, PANELS SHALL BEAR THE MANUFACTURER'S LABEL INDICATING THE EQUIPMENT IS RATED FOR "SERVICE ENTRANCE" APPLICATION IN ACCORDANCE WITH THE NEC AND AS INDICATED ON DRAWINGS.
- PANELBOARDS SHALL HAVE A MINIMUM SHORT CIRCUIT CURRENT RATING AS INDICATED ON THE DRAWINGS.
- VERIFY ACTUAL AIC SHORT CIRCUIT CURRENT REQUIREMENTS WITH OWNER OR UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.
- AFTER COMPLETION, ALL PANELBOARDS SHALL BE CLEANED BOTH INSIDE AND OUTSIDE.
- MANUFACTURER SHALL BE SQUARE "D" OR EQUAL BY GENERAL ELECTRIC, CUTLER HAMMER, SQUARE D OR APPROVED EQUAL.

### SECTION 26 26 26 - WIRING DEVICES

- PROVIDE RECEPTACLES, CONNECTORS, SWITCHES, AND FINISH PLATES OF TYPES AND QUANTITIES SUITABLE FOR THE PROJECT AND INTENDED USE. WIRING DEVICES SHALL MEET NEMA WD 1 AND NEMA WD 6. WIRING TERMINALS SHALL BE OF THE SCREW TYPE OR OF THE SOLDERLESS PRESSURE TYPE HAVING SUITABLE CONDUCTOR-RELEASE ARRANGEMENT. WIRING DEVICES SHALL BE IMPACT RESISTANT NYLON WITH WHITE COLOR UNLESS NOTED OTHERWISE.
- DEVICE PLATES ON UNFINISHED WALLS MAY BE OF ZINC-COATED SHEET STEEL, OR CAST METAL HAVING ROUNDED OR BEVELED EDGES. DEVICE PLATES ON FINISHED WALLS SHALL BE STAINLESS STEEL OR MATCH DEVICE COLOR, COORDINATE WITH ARCHITECT. SCREWS SHALL BE OF METAL WITH COUNTERSUNK HEADS, IN A COLOR TO MATCH THE FINISH OF THE PLATE.
- SINGLE AND DUPLEX RECEPTACLES SHALL BE RATED 20 AMPERES, 125 VOLTS, 2-POLE, 3-WIRE, GROUNDING TYPE WITH POLARIZED PARALLEL SLOTS, BACK AND SIDE WIRE.
- TOGGLE SWITCHES SHALL BE RATED 120-277 VOLT AC GROUNDING TYPE, TOTALLY ENCLOSED, GENERAL USE.

### SECTION 26 51 00 - INTERIOR LIGHTING

- PROVIDE AND INSTALL ALL LIGHTING EQUIPMENT AS SHOWN ON THE DRAWINGS AND SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE. PROVIDE WITH ALL OPTIONS AND ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION IN COMPLIANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- REPAIR ALL SURFACE TO MATCH EXISTING WHERE DAMAGED BY INSTALLATION OF NEW LIGHTING FIXTURES OR CIRCUITRY. PAINT ALL EXPOSED RACEWAYS AND BOXES TO MATCH ADJACENT SURFACES.

### MOUNTING HEIGHT SCHEDULE

*SWITCHES	4'-0"
*RECEPTACLES	1'-6"
*WEATHERPROOF RECEPTACLES	2'-0"
BRANCH PANELS (TOP)	6'-6"
DISCONNECT SWITCHES (TOP)	5'-6"

MOUNTING HEIGHTS SHALL PREVAIL ON ALL NEW CONSTRUCTION UNLESS OTHERWISE NOTED.

MOUNTING HEIGHTS ARE TO CENTER OF DEVICE AND ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.

COORDINATE FINAL MOUNTING HEIGHTS FOR DEVICES ABOVE COUNTERS WITH ARCHITECTURAL ELEVATIONS.

COORDINATE FINAL MOUNTING HEIGHTS FOR DEVICES FOR EQUIPMENT WITH ARCHITECTURAL ELEVATIONS.

MOUNTING FOR DEVICES SHOWN ABOVE BASEBOARD HEATERS, 4" ABOVE HEATER, MOUNTED VERTICALLY.

THESE ARE TYPICAL MOUNTING HEIGHTS. NOT ALL DEVICES ARE NECESSARILY APPLICABLE TO THIS PROJECT.

\*MOUNTING HEIGHTS COMPLY WITH ICC/ANSI A117.1-09

## ELECTRICAL ABBREVIATIONS

AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AIC	AMPERES INTERRUPTING CAPACITY
AMP, A	AMPERE
ARCH	ARCHITECTURAL
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
AW	ABOVE WINDOW
C	CONDUIT
*C	CELSIUS
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CO	CONDUIT ONLY
COMM	COMMUNICATIONS
DW	DISH WASHER
EF	EXHAUST FAN
E, EX, EXIST	EXISTING
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
G, GRD	GROUND
GFCI	GROUND FAULT CURRENT INTERRUPTER
GF	GROUND FAULT PROTECTION
HP	HORSE POWER
IN, "	INCHES
K	DEGREE KELVIN
KCMIL, MCM	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERES
KW	KILOWATT
LC	LIGHTING CONTACTOR
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MECH	MECHANICAL
MLO	MAIN LUGS ONLY
MW	MICROWAVE
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO, #	NORMALLY OPEN NUMBER
OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
PA	PUBLIC ADDRESS
PC	PHOTO CELL
PH, Ø	PHASE
RECP, REC	RECEPTACLE
REF	REFRIGERATOR
REQ, REQD	REQUIRED
Re	RELOCATED
TELECOM	TELECOMMUNICATIONS
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLTS
VA	VOLT AMPERES
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
WR	WEATHER RESISTANT
XFMR	TRANSFORMER

LEGENDS, SYMBOLS, & SCHEDULES

AUTHOR: M/JM CHECKED: TCA

REVISION:

ISSUE DATE: 08.08.2025

T3 ALASKA, LLC PROJECT NO: 2025.028.0



FT. ABERCROMBIE RANGER STATION

CONSTRUCTION DOCUMENTS



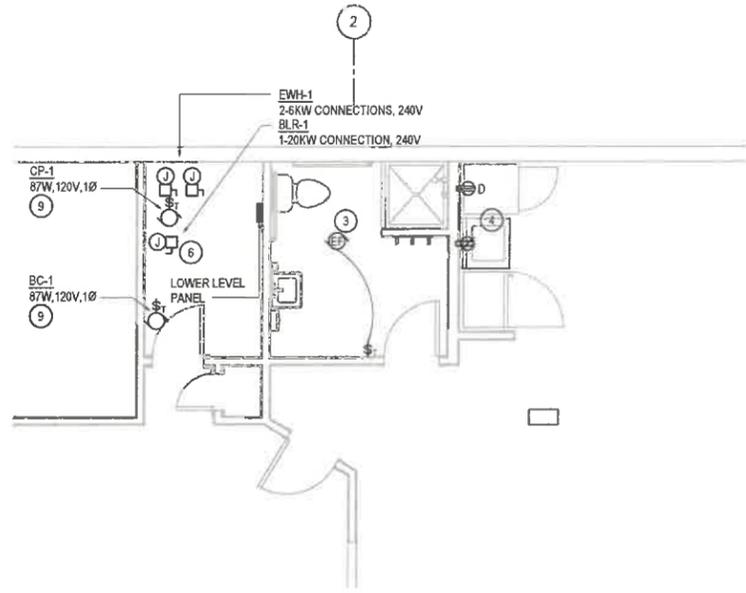
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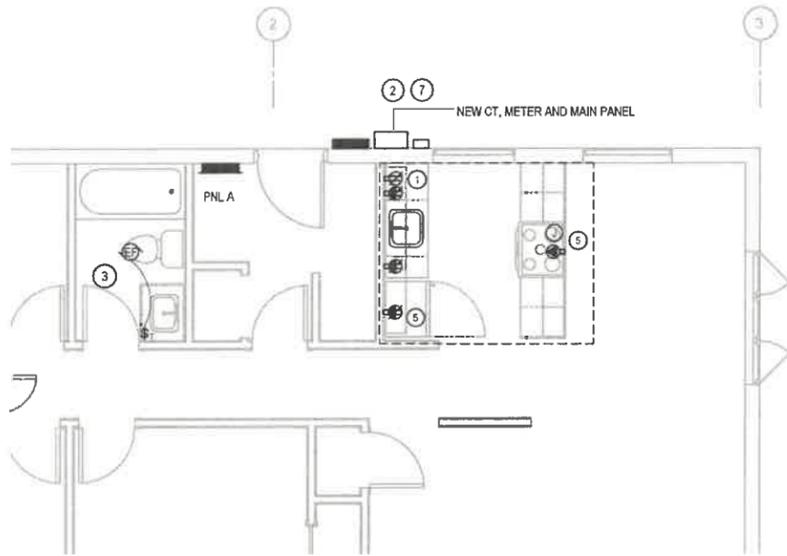
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FULL SIZE PRINTED ON 22 x 34



**1 FIRST FLOOR POWER PLAN**  
SCALE: 1/4" = 1'-0"



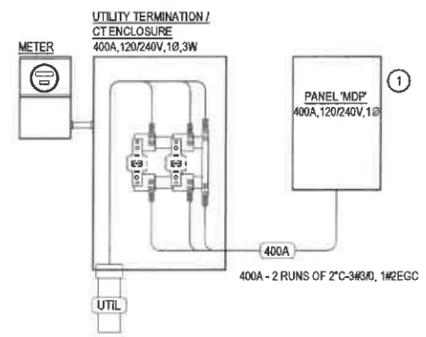
**2 SECOND FLOOR POWER PLAN**  
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

- INDICATED BY: #
- NEW DISHWASHER, CONNECT TO EXISTING KITCHEN CIRCUIT.
  - EXISTING OVERHEAD 200A, 120/240V, SINGLE PHASE SERVICE TO BE REMOVED AND REPLACED WITH 400A SERVICE INCLUDING NEW OVERHEAD SERVICE. NEW SERVICE SHALL HAVE 2-100A SUB-FEEDS TO EXISTING CONNECTIONS, CAPTURE AND RECONNECT AS NECESSARY.
  - EXHAUST FAN TO BE REMOVED AND REPLACE, MAINTAIN & RECONNECT EXISTING CIRCUITRY.
  - NEW WASHER AND DRYER, PROVIDE NEW 30A/2P CIRCUIT (#10'S) AND PLUG FOR DRYER AND 20A CIRCUIT (#12'S) FOR THE WASHER FROM THE NEW MDP.
  - EXISTING RANGE, RANGE HOOD AND KITCHEN CIRCUITS TO BE RE-UTILIZED. PROVIDE NEW CONNECTIONS AND 50A PLUG FOR NEW RANGE ALL NEW 20A OUTLETS IN THE KITCHEN AREA, COORDINATE WITH ARCHITECTURAL.
  - NEW ELECTRIC BOILER AND HOT WATER CONNECTIONS TO MDP. BOILER IS ONE 125A CONNECTION, PROVIDE 1.25" CONDUIT WITH 3#2, 1#6 GND AND WATER HEATER IS TWO 6.1KW CONNECTIONS PROVIDE 3.4" CONDUIT 3#10, 1#12 GND FOR BOTH.
  - EXISTING PANEL AND CONDUIT IN THIS AREA TO BE REMOVED. EXISTING 30A/2P AND TWO 20A/1P CIRCUITS TO BE EXTENDED TO NEW MDP. CAPTURE EXISTING CIRCUITS AND EXTEND AS NECESSARY. #10 CONDUCTORS FOR 30A CIRCUIT.
  - RE-USE EXISTING 120V BOILER PUMP CIRCUIT.

PANEL MDP (NEMA 3R)			VOLTAGE: 120/240V, 1PH, 3W		AMPERE RATING: 400 A		
CKT	AMP	POLE	MOUNTING: SURFACE		MAIN CIRCUIT BREAKER RATING: 400A MB - SERVICE RATED		
			PHASE A VA	PHASE B VA	SHORT CIRCUIT CURRENT RATING: 10,000 A		
1	100		4,500	6,000	EXISTING EXTENDED FEED TO UPPER PANEL	100	
3		2		4,500	6,000	EXISTING EXTENDED FEED TO LOWER PANEL	4
5	30		0	2,500	NEW DRYER CIRCUIT	30	
7		2		0	2,500	NEW WASHER CIRCUIT	8
9	20	1	0	1,500	NEW WASHER CIRCUIT	20	
11	125			10,440	6,000	NEW HW HEATER CONNECTION #1	125
13		2	10,440	3,000			14
15	20	1			3,000	NEW HW HEATER CONNECTION #1	35
17	20	1			3,000	SPACE	20
19	20	1			3,000	SPACE	20
21	20	-				SPACE	20
23	20	-				SPACE	20
CONNECTED LOAD (VA)			30,940	35,440		66,380 VA	
CONNECTED LOAD (AMPERES)			258	295		277 A	
DEMAND LOAD (VA) *			30,940	35,440		66,380 VA	
DEMAND LOAD (AMPERES) *			258	295		277 A	

GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER



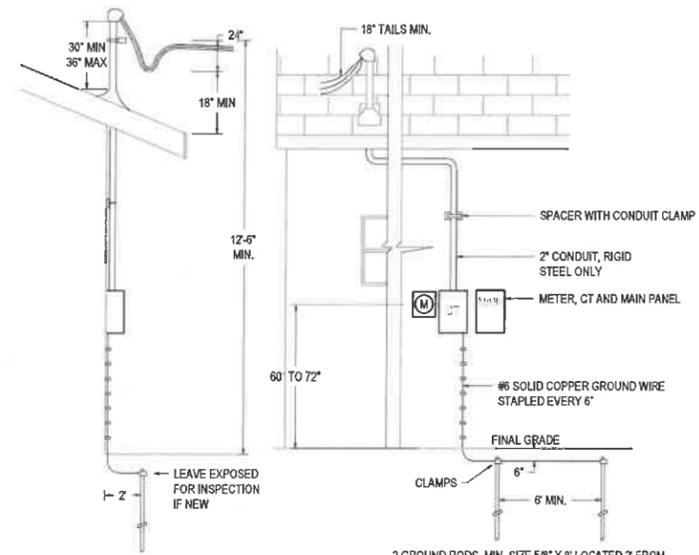
**3 NEW ELECTRIC RISER DIAGRAM**  
SCALE: NTS

**GENERAL NOTES**

- IMMEDIATELY UPON PROJECT INCEPTION THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY FOR THE INSTALLATION OF A NEW ELECTRICAL SERVICE. EQUIPMENT LAYOUT AS SHOWN IS DIAGRAMMATIC. THE CONTRACTOR SHALL SUBMIT DETAILED INFORMATION REGARDING THE PROPOSED SERVICE ENTRANCE EQUIPMENT TO THE UTILITY COMPANY AND OWNER FOR APPROVAL PRIOR TO ORDERING ANY EQUIPMENT. ALL EQUIPMENT AND INSTALLATION SHALL COMPLY WITH LOCAL UTILITY STANDARDS AND THE LATEST ADOPTED NEC.

**DETAIL NOTES**

- INDICATED BY: #
- NEW MDP SHALL HAVE A SERVICE RATED MAIN BREAKER TO SERVICE AS MAIN SERVICE DISCONNECT.



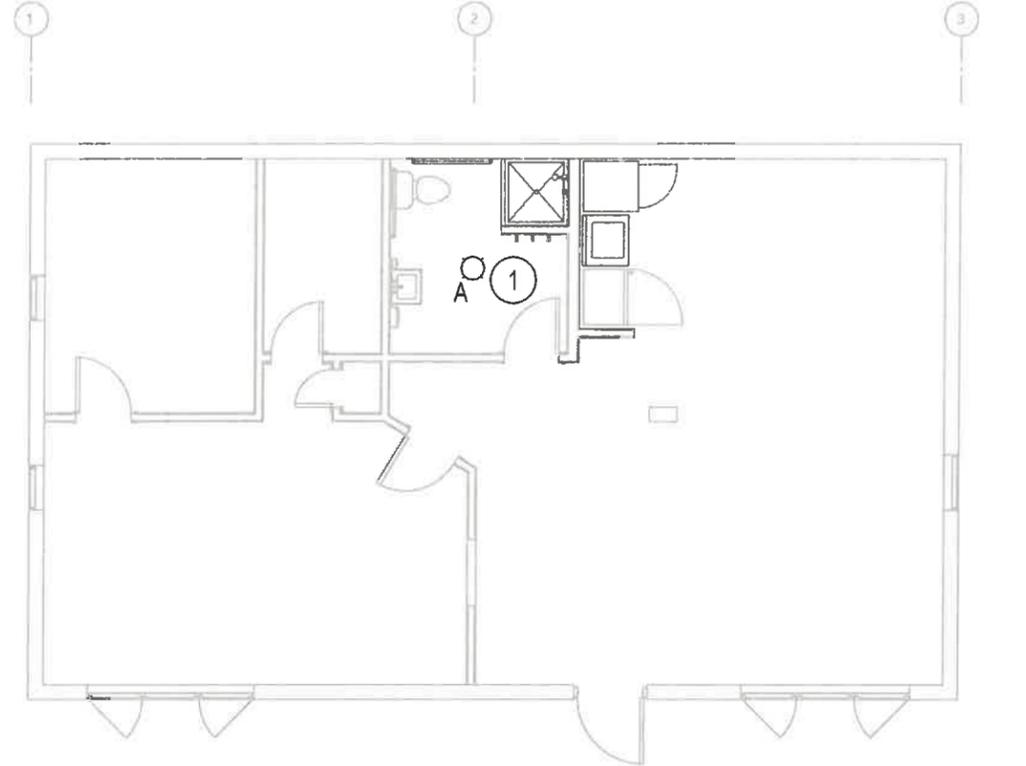
**4 OVERHEAD ELECTRICAL SERVICE DETAIL**  
SCALE: NTS

NOTE: INSTALLATION SHALL COMPLY WITH KODIAK UTILITY STANDARDS, IF THERE ARE DISCREPANCIES, THOSE STANDARDS SHALL GOVERN. COORDINATE DISCONNECT/RECONNECT.

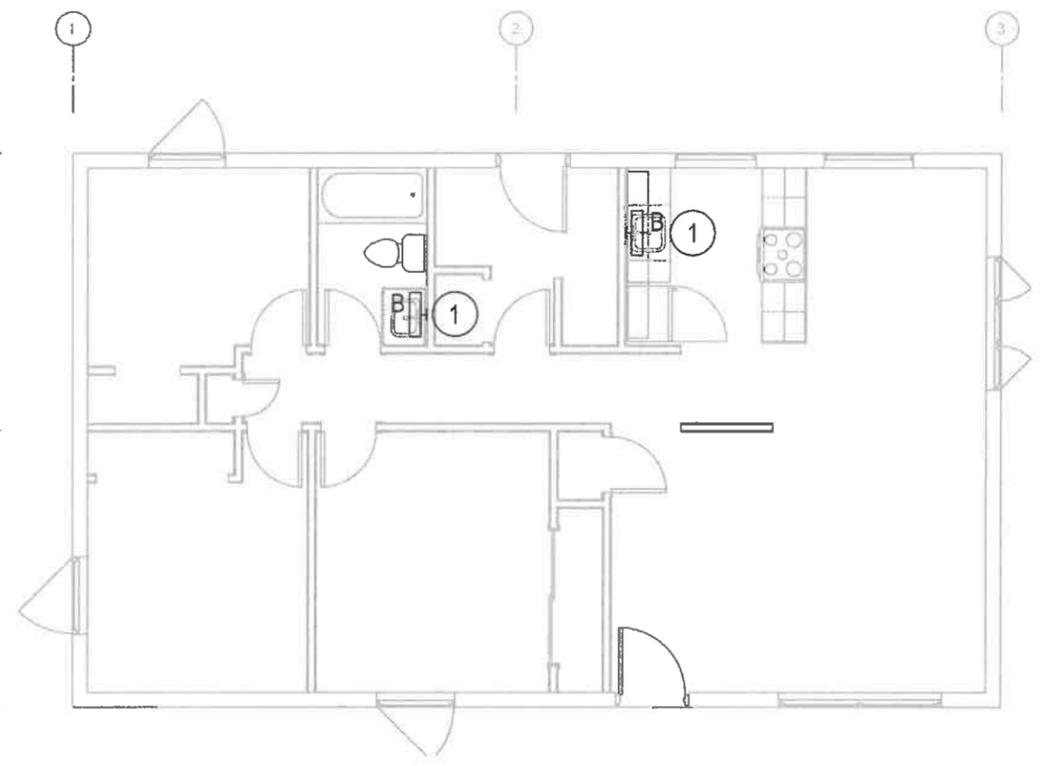


**5 EXISTING SERVICE CONDITION**  
SCALE: NTS





**1** FIRST FLOOR LIGHTING PLAN  
SCALE: 1/4" = 1'-0"



**2** SECOND FLOOR LIGHTING PLAN  
SCALE: 1/4" = 1'-0"

LIGHTING FIXTURE SCHEDULE						
TYPE ID	MANUFACTURER MODEL NUMBER	FIXTURE DESCRIPTION	LED		MOUNTING	
			LUMENS	WATTS	TYPE	
A	JUNO LIGHTING #JSF-13N 18LM-40K-90CRI-MVOLT-WH	SLIM FORM SURFACE MOUNT WITH 1 3/4" DIAMETER, 4000K COLOR TEMPERATURE AND WHITE FINISH	1,800	20	CEILING SURFACE	
			90 lm/w			
B	TECH LIGHTING #700BCBAS-24-S-LED627	24" WIDE VANITY FIXTURE WITH BRUSHED NICKEL FINISH AND SATIN ETCHED WHITE SHADES	1,302	10	SEE ARCHITECTURAL	
			137 lm/w			

NOTE: FIXTURES MAY BE SUBSTITUTED ON A ONE-FOR-ONE BASIS WITH APPROVAL BY PROJECT MANAGER.

**SHEET NOTES**

INDICATED BY: #

- 1. LIGHTING FIXTURE IS TO BE REMOVED AND REPLACED. MAINTAIN EXISTING CIRCUITRY AND SWITCHING.

