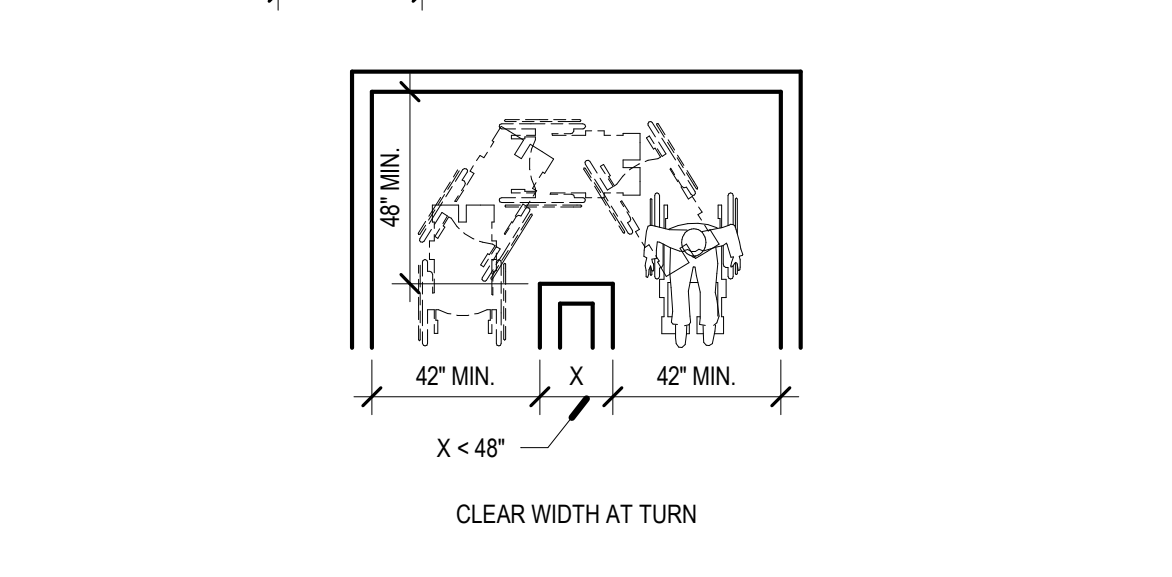
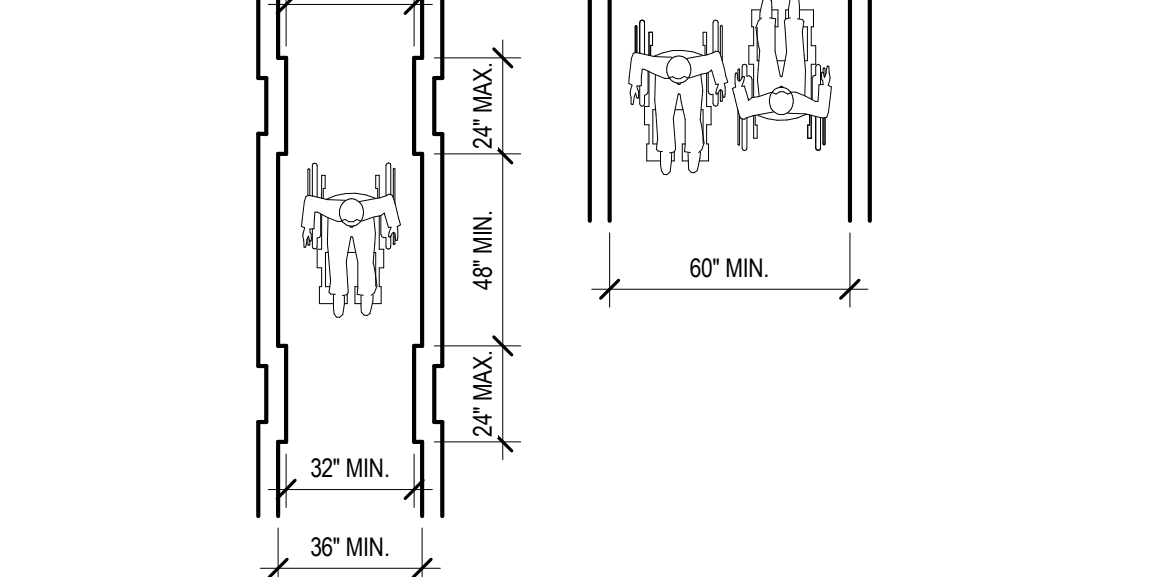
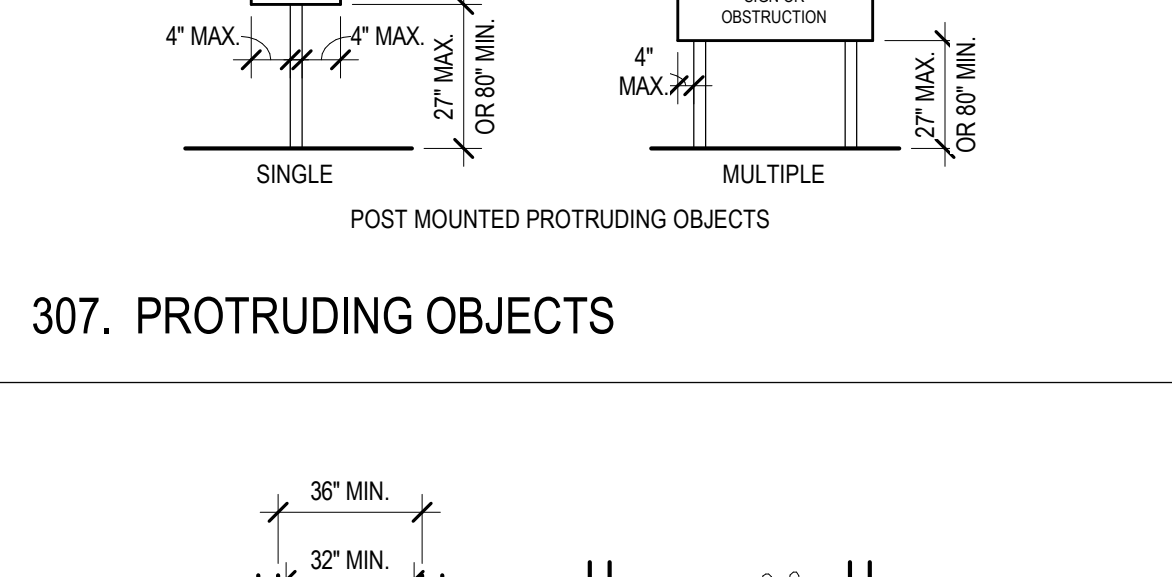
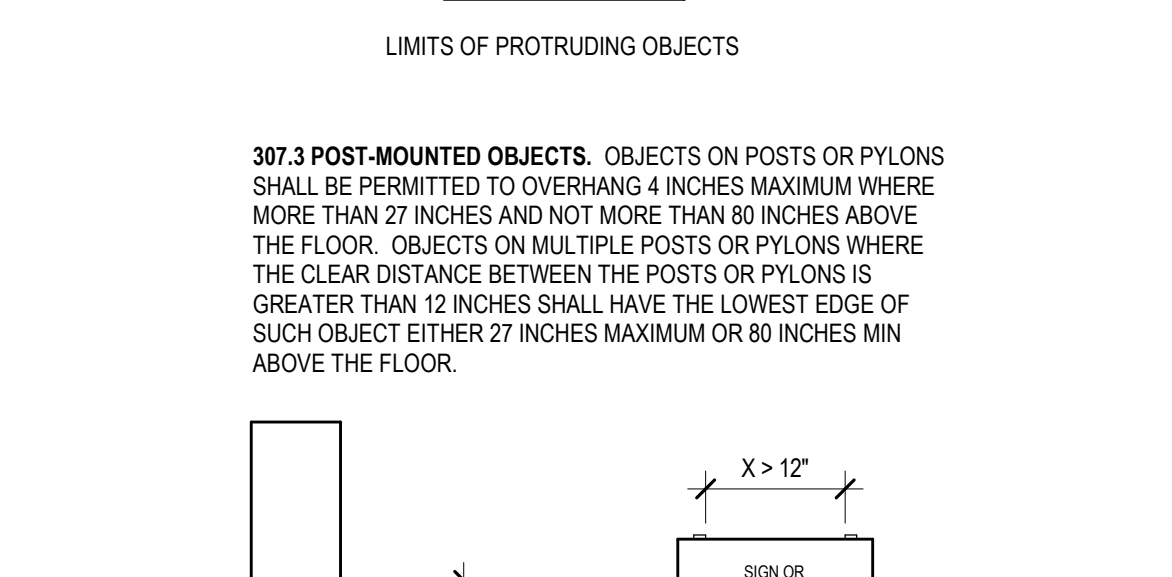
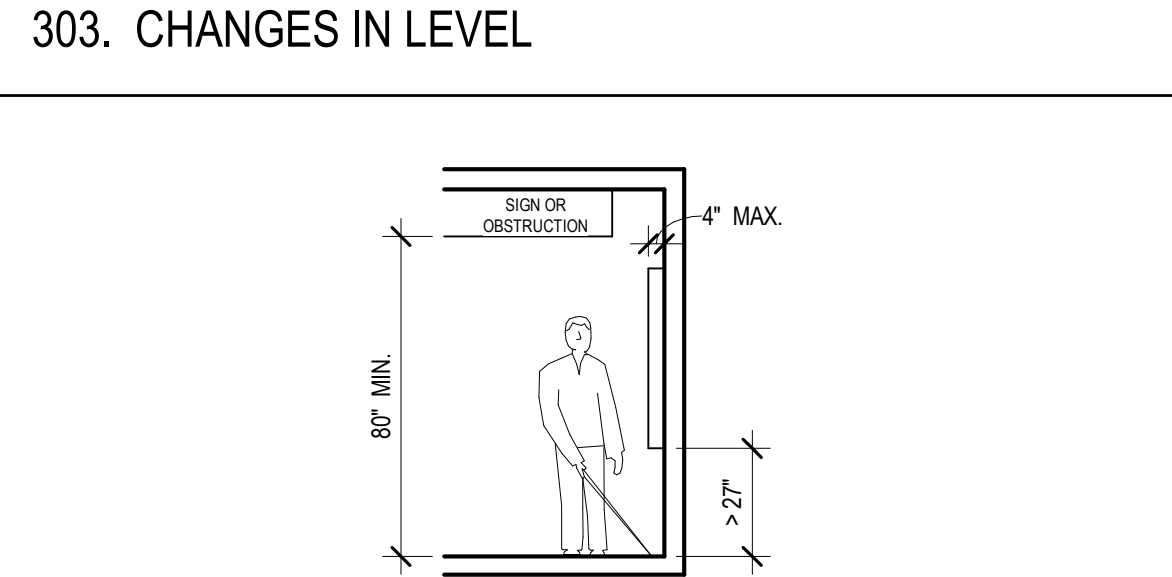
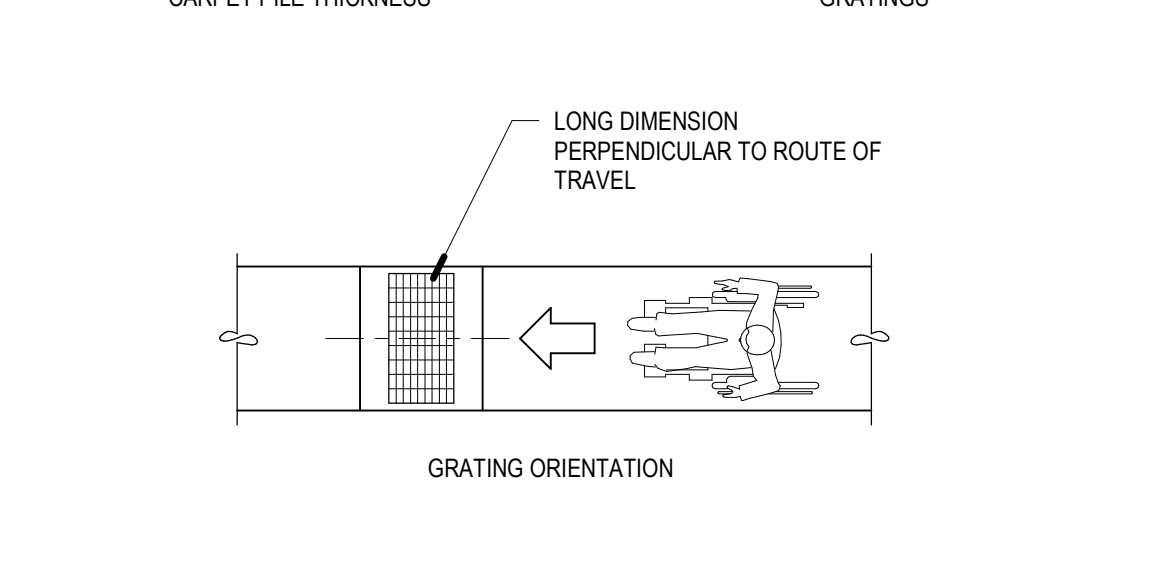
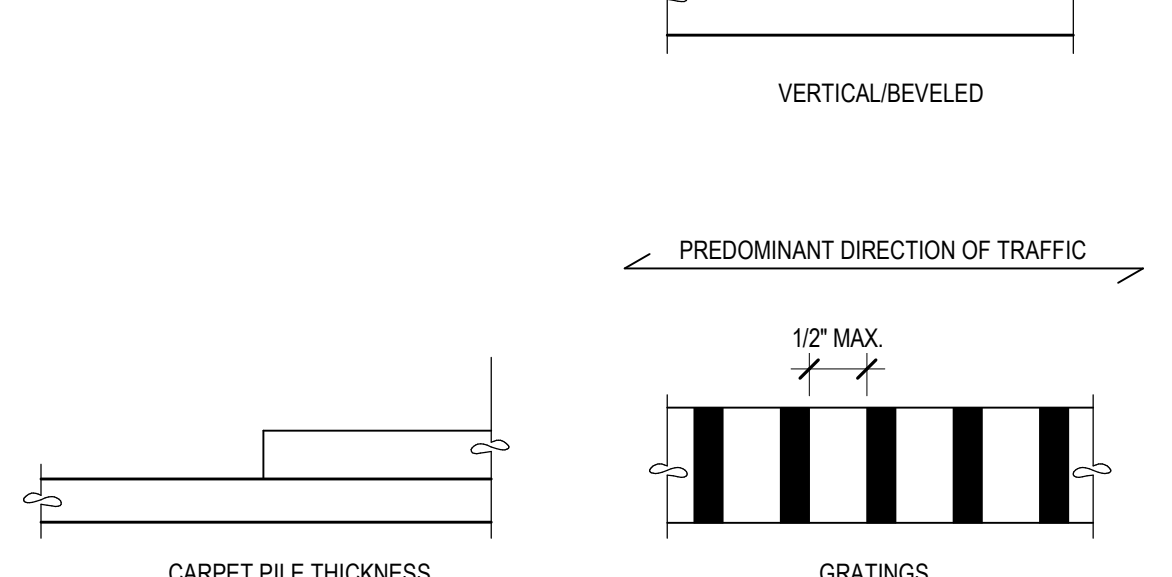
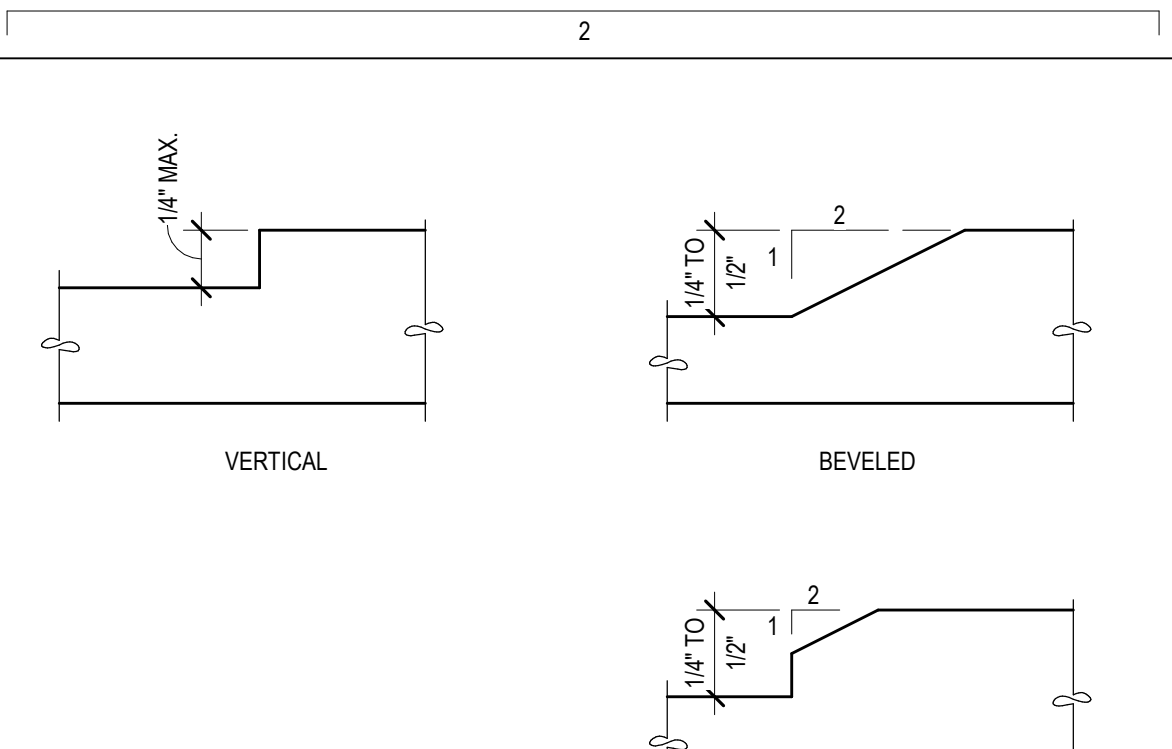


404. DOORS AND DOORWAYS



403. ACCESSIBLE ROUTES

ABBREVIATIONS NOT ALL ABBREVIATIONS MAY BE USED

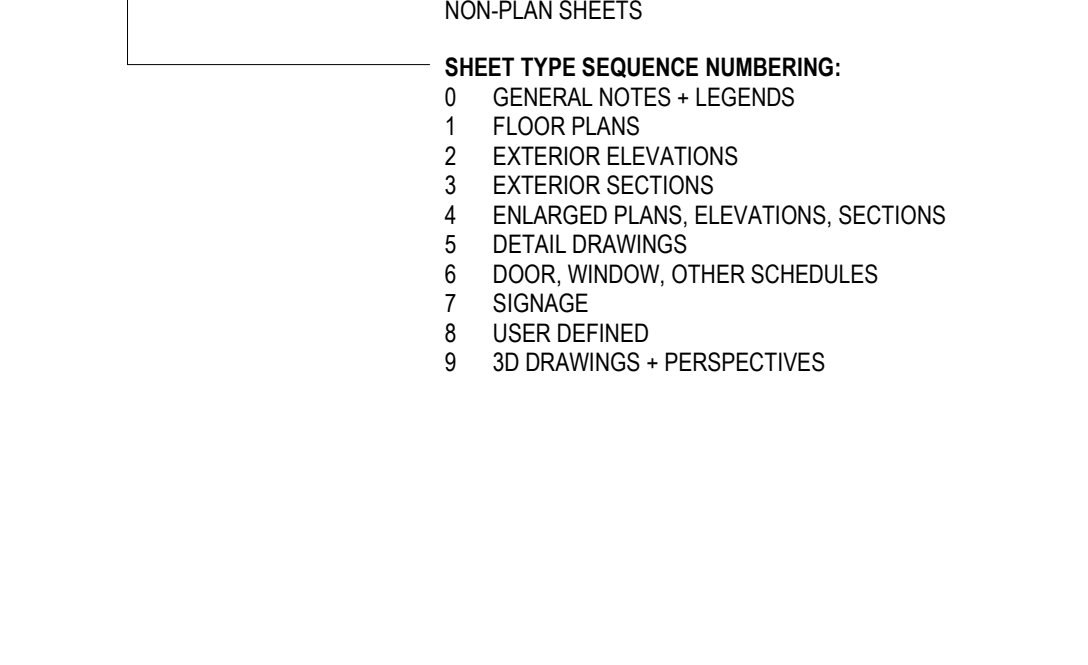
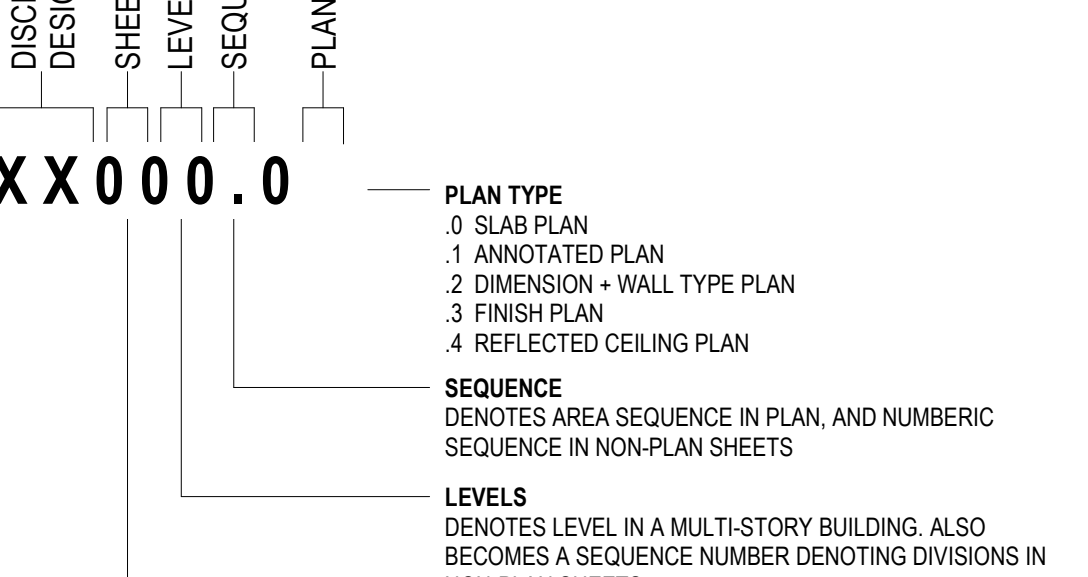
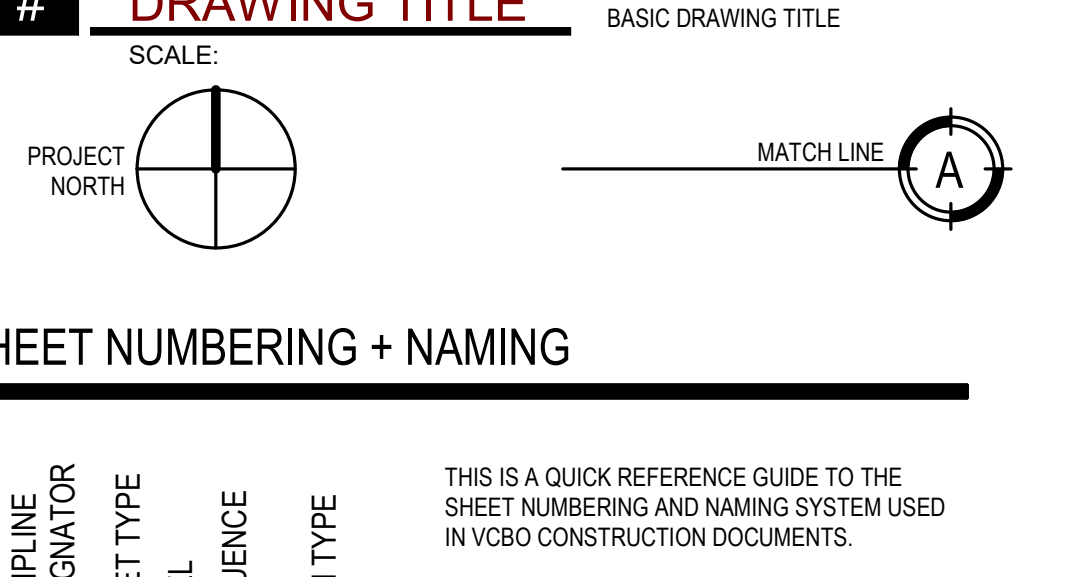
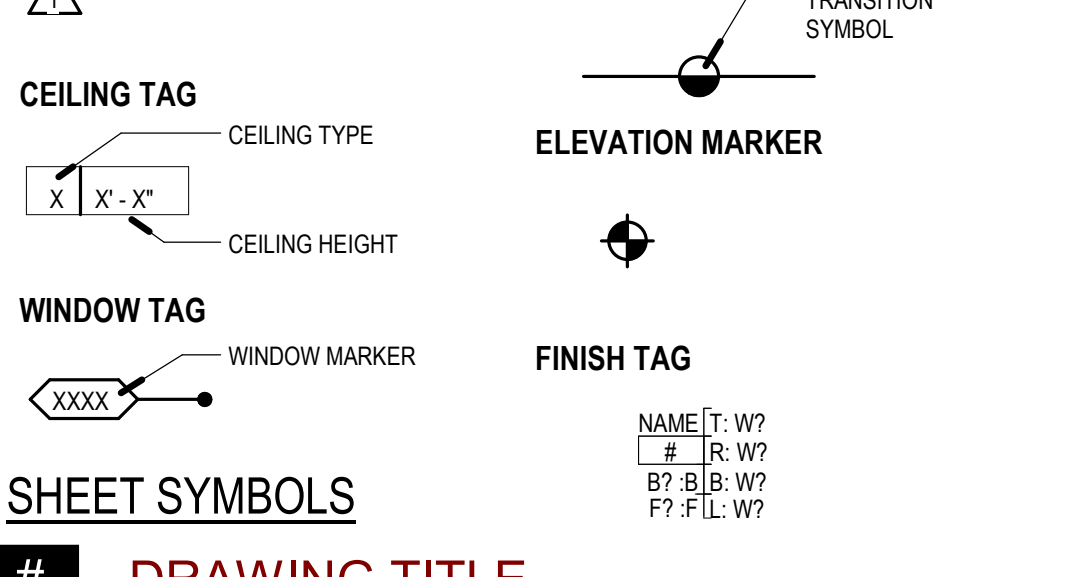
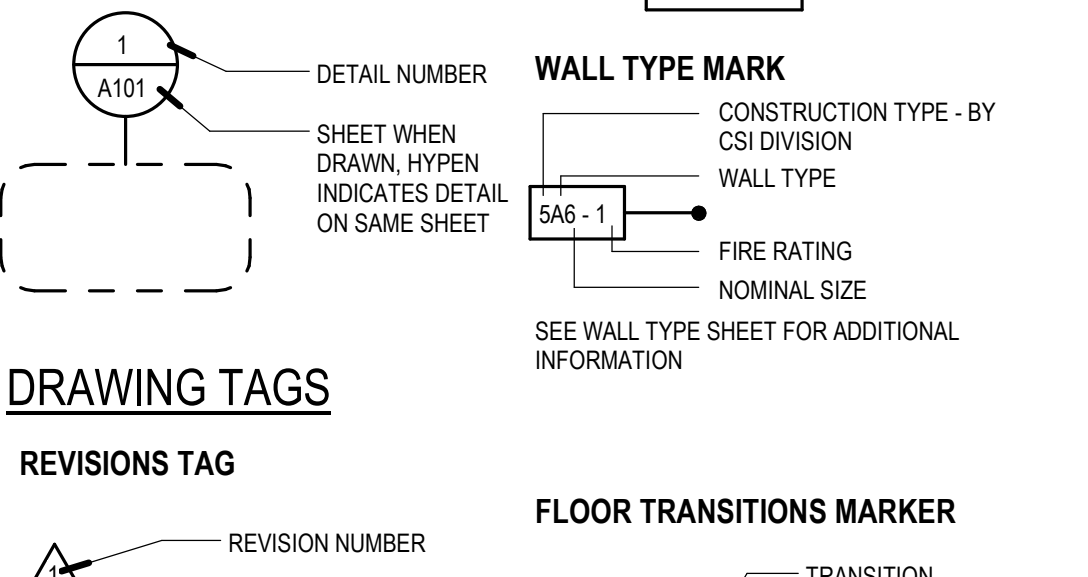
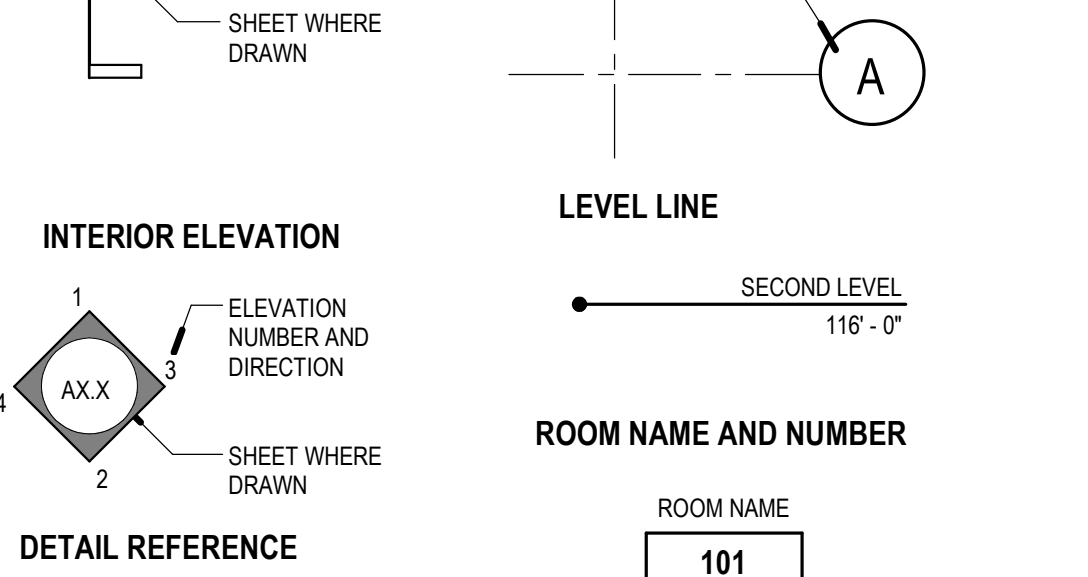
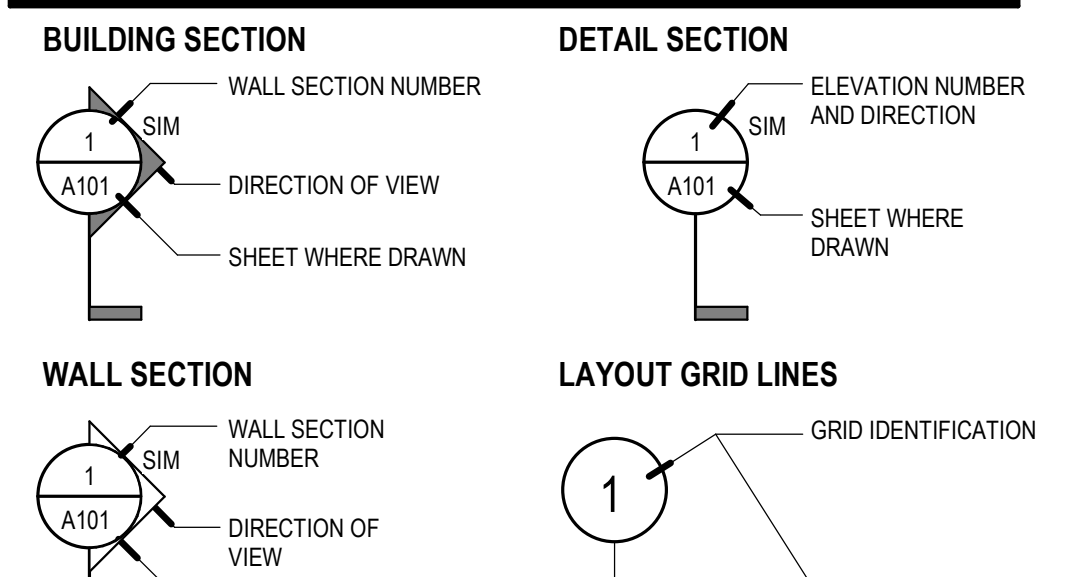
&	AND	LAV	LAVATORY
@	AT	LB/LBS	POUND (S)
ACT	ACOUSTICAL CEILING TILE	MAT	MATERIAL (S)
ADJ	ADJUSTABLE	MAX	MAXIMUM
AF	ABOVE FINISH FLOOR	MDF	MEDIUM DENSITY FIBERBOARD
ALT	ALTERNATE	MEMB	MEMBRANE
ALUM	ALUMINUM	MFR	MANUFACTURER
APPROX	APPROXIMATE	MGR	MANAGER
ARCH	ARCHITECTURAL	MIN	MINIMUM
BD	BOARD	MIR	MIRROR
BLDG	BUILDING	MISC	MISCELLANEOUS
BLK	BLOCK (ING)	MO	MASONRY OPENING
BO	BOTTOM OF	MTD	MOUNT, (ED)
BSMT	BASEMENT	MTL	METAL
BS	BOTH SIDES	MW	MICROWAVE
BSW	BOTH WAYS	N	NORTH
CAB	CABINET	NC	NOT IN CONTRACT
CB	CATCH BASIN	NO	NUMBER
CCSA	CUSTOM COLOR SELECTED BY ARCHITECT	NOM	NOMINAL
CG	CORNER GUARD	NRC	NOISE REDUCTION COEFFICIENT
CHAM	CHAMFER	NTS	NOT TO SCALE
CJ	CONTROL JOINT	OC	ON CENTER
CL	CENTER LINE	OD	OUTSIDE DIAMETER
CLR	CLEAR	OFCl	OWNER FURNISHED CONTRACTOR INSTALLED
CM	CONSTRUCTION MANAGER	OFD	OVERFLOW DRAIN
COL	COLUMN	OH	OVERHEAD OPENING
COMP	COMPUTER	OPP	OPPOSITE
CONC	CONCRETE	ORS	ORIENTED STRAND BOARD
CONT	CONTINUOUS	OSB	ORIENTED STRAND BOARD
CMU	CONCRETE MASONRY UNIT	OZ	OUNCE
CSBA	COLOR SELECTED BY ARCHITECT	PERI	PERIMETER
CT	CERAMIC TILE	PERM	PERMANENT
D	DEPTH	PL	PLATE
DBL	DOUBLE	PLM	PLASTIC LAMINATE
DEPT	DEPARTMENT	PNL	PANEL
DF	DRINKING FOUNTAIN	PNT	PAINT (ED)
DIA	DIAMETER	P.O.	POINT OF
DIM	DIMENSION	PAIR	PAIR
DN	DOWN	PT	POST TENSIONED
DRN	DRAIN	PART	PARTITION
DTU DET	DETAIL	PLY	PLYWOOD
DWG	DRAWING	QT	QUARRY TILE
E	EAST	R / RAD	RADIUS
(E)	EXISTING	RCF	REFLECTED CEILING PLAN
EA	EACH	REC	RECESSED
EIS	EXTERIOR INSULATION SYSTEM	REF	REFERENCE
EJ	EXPANSION JOINT	REFG	REFRIGERATOR
ELEC	ELECTRIC (ED)	REINFR	REINFORCING
ELEV	ELEVATION	REM	REMOVE (ED)
EQ	EQUAL	REPL	REPLACE
EQU	EQUAL	REQD	REQUIRED
EVAP	EVAPORATIVE	REV	REVISION (S)
EXIST	EXISTING	RM	ROOM
EXP	EXPANSION	RO	ROUGH OPENING
EXT	EXTERIOR	S	SOUTH
EWC	ELECTRIC WATER COOLER	SALV	SALVAGE (ED)
FA	FIRE ALARM	SECT	SECTION
FD	FLOOR DRAIN	SF	SQUARE FOOT
FDN	FOUNDATION	SIM	SIMILAR
FE	FIRE EXTINGUISHER	SLNT	SEALANT
FEC	FIRE EXTINGUISHER CABINET	SPEC	SPECIFICATION (S)
FG	FINISH GRADE	SQ	SQUARE
FH	FIRE HYDRANT	SS	STAINLESS STEEL
FIN	FINISHED	STC	SOUND TRANSMISSION CLASS
FLR	FLOOR	STD	STANDARD
F.O.	FACE OF	STL	STEEL
FT	FOOT, FEET	STOR	STORAGE
FRP	FIBER REINFORCED PANEL	STRUC	STRUCTURE (AL)
FRT	FIRE RETARDANT TREATED WOOD	SUSP	SUSPENDED
FTG	FOOTING	SYM	SYMMETRY (ICAL)
FV	FIELD VERIFY	T	THICKNESS
GA	GAUGE	T & B	TOP AND BOTTOM
GALV	GALVANIZED	T & G	TONGUE AND GROOVE
GB	GRAB BAR	TBD	TO BE DETERMINED
GC	GENERAL CONTRACTOR	TEMP	TEMPORARY
GFR	GLASS FIBER REINFORCED PANEL	THRU	THROUGH
GYP	GYPSPUM	T.O.	TOP OF
GWB	GYPSPUM WALLBOARD	TRANSFORMER	TRANSFORMER
HB	HOSE BIBB	TS	TUBE STEEL
HC	HANDICAP ACCESSIBLE	TYP	TYPICAL
HDW	HARDWARE	UNF	UNFINISHED
HDF	HIGH DENSITY FIBERBOARD	UNO	UNLESS OTHERWISE NOTED
HM	HOLLOW METAL	VAR	VARIABLE
H	HEIGHT	VB	VAPOR BARRIER
HOR	HORIZONTAL	VCT	VINYL COMPOSITION TILE
ID	INSIDE DIAMETER	VERT	VERTICAL
ICF	INSULATED CONCRETE FORM	VEST	VESTIBULE
IN	INCH	VVC	VINYL WALLCOVERING
INCL	INCLUDE	W	WEST
INFO	INFORMATION	W	WIDTH
INT	INTERIOR	W	WITH
INSUL	INSULATE, (D), (NON)	W/C	WATER CLOSET
INV	INVERT	WD	WOOD
JST	JOIST	W/O	WITHOUT
JT	JOINT	WSC	WASCOT WAINSCOT
		WWF	WELDED WIRE FABRIC

PROJECT TEAM

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REFERENCE SYMBOL LEGEND



DESIGN DATA

GOVERNING BUILDING CODES:
 IBC 2018, to include Appendix J, ANSI 117-1 2009, NFPA 101 LIFE SAFETY 2018, IMC 2018, IPC 2018, IECC 2018, for commercial projects; IFGC 2018, NEC 2017

TENANT IMPROVEMENT TO EXISTING BUILDING - NOT A CHANGE IN OCCUPANCY
 TOTAL REMODEL AREA = 300 SF (REMODEL)

OCCUPANCY TYPE - CH 3
 I-2 - INSTITUTIONAL

THERE WILL BE NO INVASIVE THERAPIES OR ANESTHESIA. OUTPATIENTS ARE CAPABLE OF SELF-PRESERVATION. INPATIENTS WILL BE ASSISTED BY NURSING PERSONNEL.

AUTOMATIC SPRINKLER SYSTEM - PER SECTION 903
 EXISTING SYSTEM TO REMAIN

EXIT ACCESS - CH 10

COMMON PATH OF EGRESS TRAVEL - PER TABLE 1006.2.1
 (MEASURED FROM THE MOST REMOTE POINT WITHIN A STORY TO THAT POINT WHERE THE OCCUPANTS HAVE SEPARATE ACCESS TO TWO EXITS OR EXIT ACCESS DOORWAYS) 100 FEET.

MINIMUM CORRIDOR WIDTH - PER TABLE 1002.2 IN CH 10
 44 UNLESS NOTED OTHERWISE
 36 WITH AN OCCUPANT LOAD OF LESS THAN 50

INTERIOR WALL & CEILING FINISH REQUIREMENTS - PER TABLE 903.1.1
 IN SPRINKLERED BUILDING
 EXIT ENCLOSURES AND EXIT PASSAGeways - CLASS B
 CORRIDORS AND OTHER EXIT WAYS - CLASS C
 ROOMS AND ENCLOSED SPACES - CLASS C

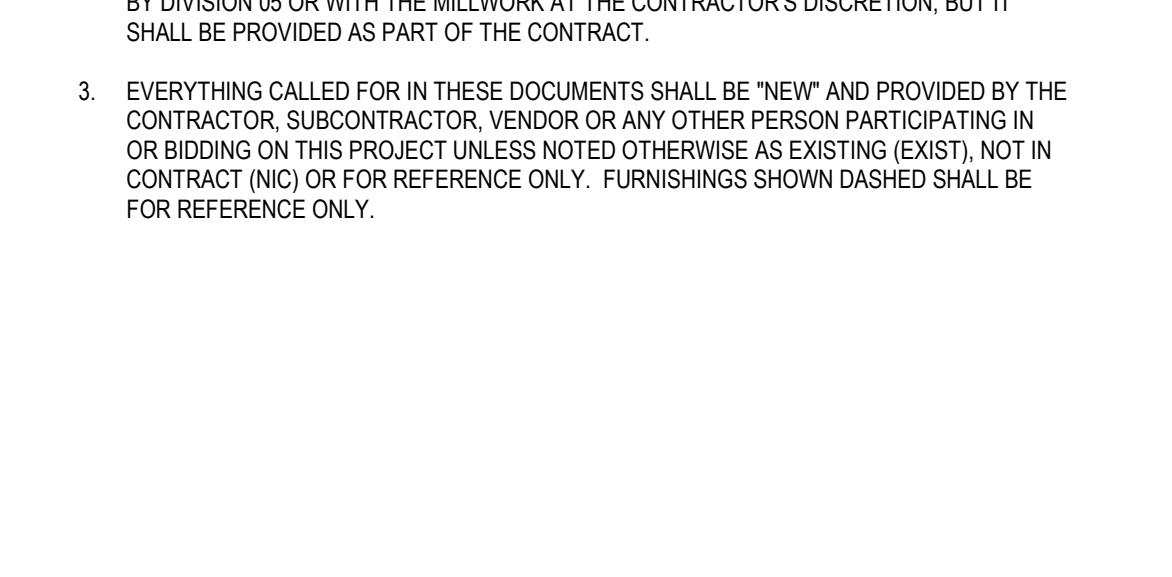
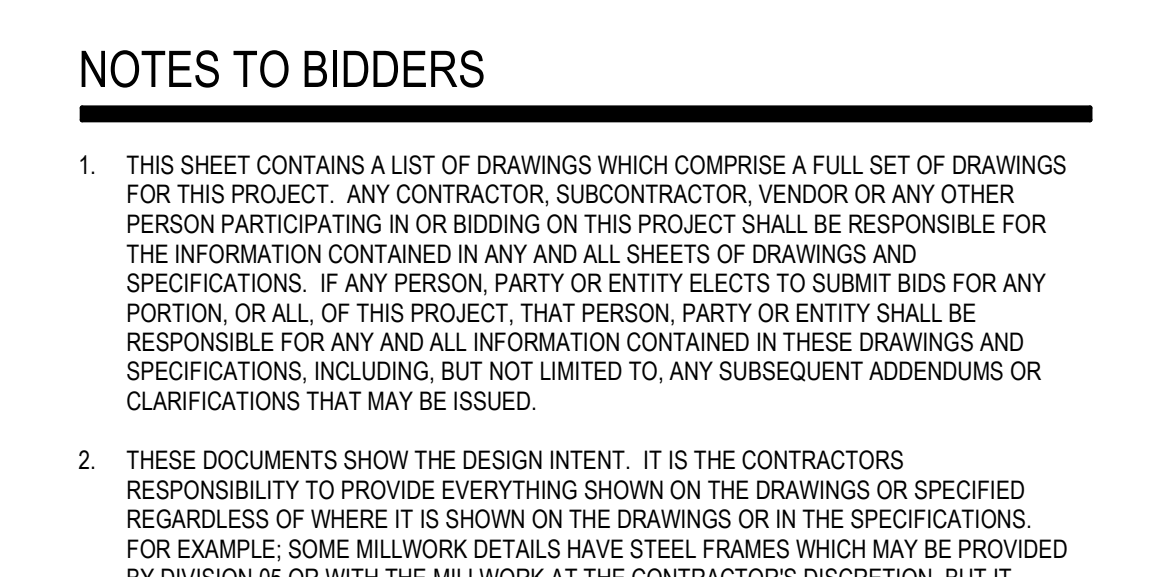
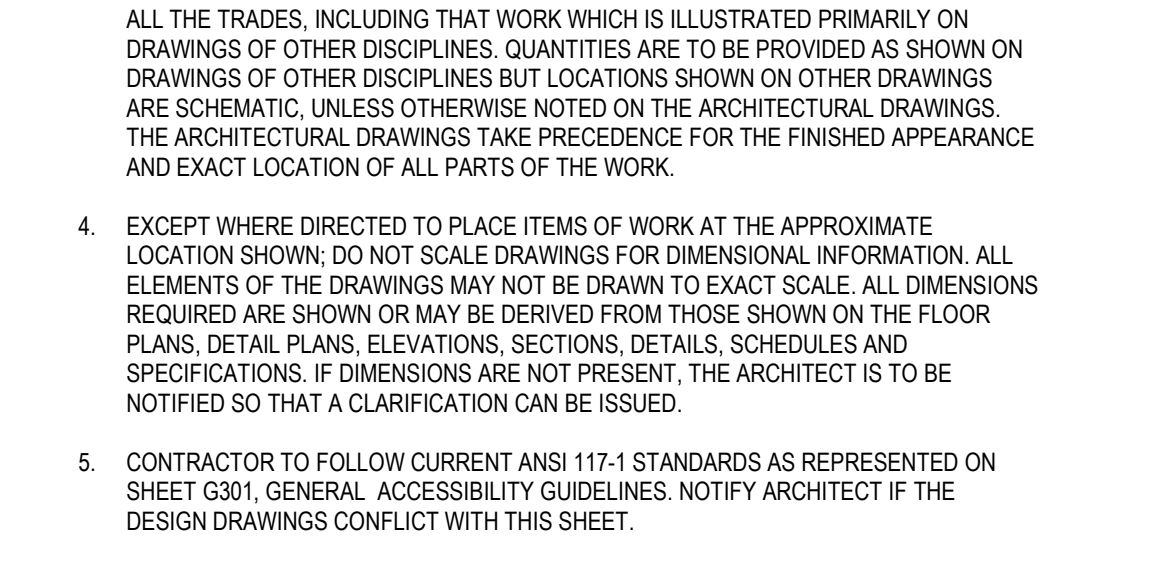
INTERIOR FLOORS FINISH - PER 904
 IN SPRINKLERED BUILDING - CLASS I & II

GENERAL NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.
- AS PART OF THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS, THE CONTRACTOR SHALL ENGAGE/WORK TO IDENTIFY AND NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
- THE ARCHITECTURAL DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL THE TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES. QUANTITIES ARE TO BE PROVIDED AS SHOWN ON DRAWINGS OF OTHER DISCIPLINES BUT LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL PARTS OF THE WORK.
- EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
- CONTRACTOR TO FOLLOW CURRENT ANSI 117-1 STANDARDS AS REPRESENTED ON SHEET G301, GENERAL ACCESSIBILITY GUIDELINES, NOTIFY ARCHITECT IF THE DESIGN DRAWINGS CONFLICT WITH THIS SHEET.

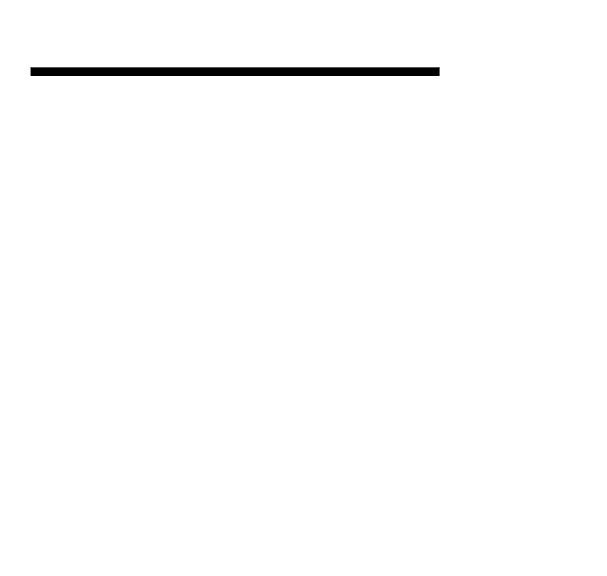
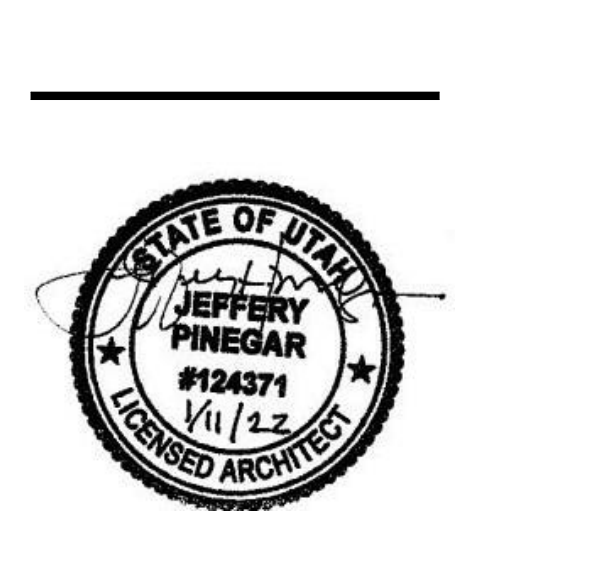
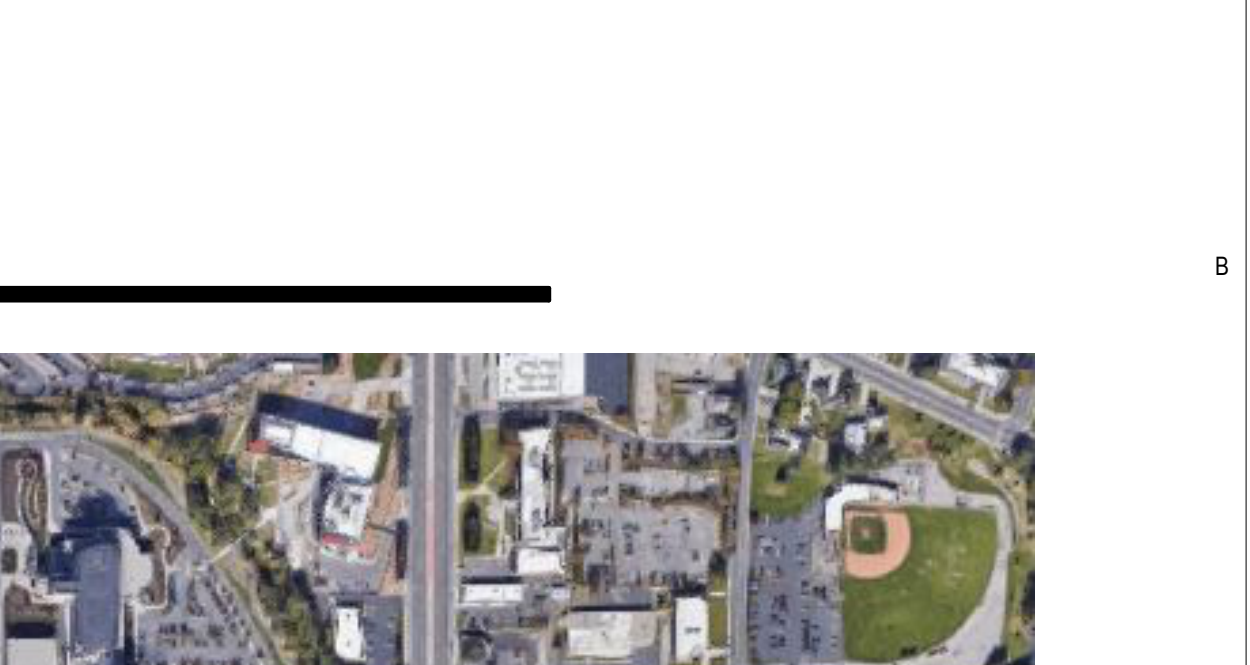
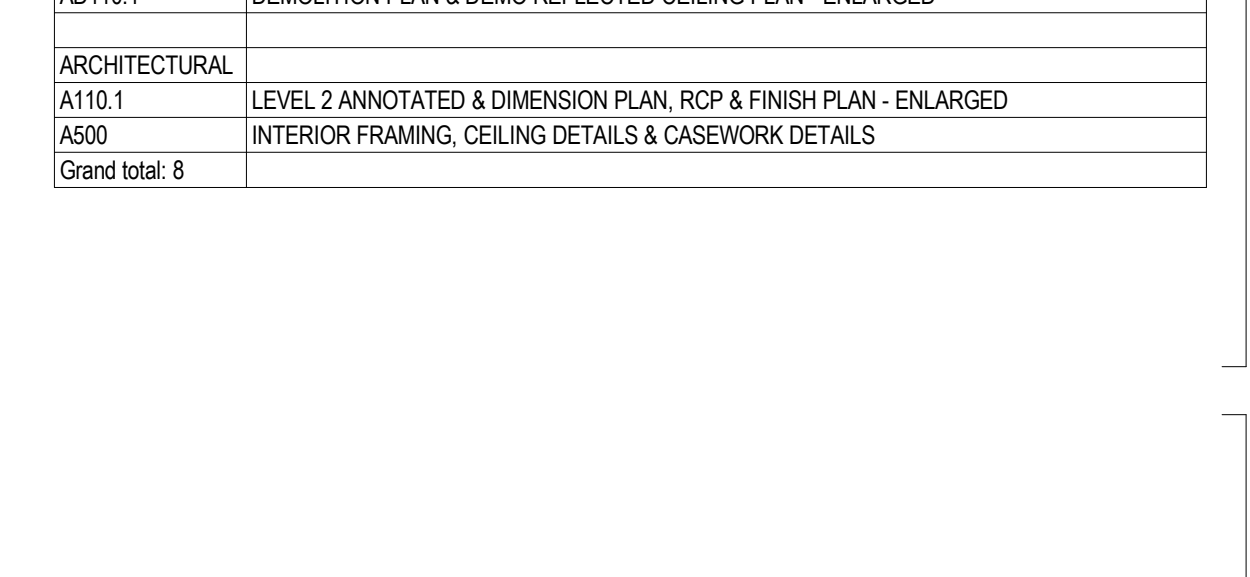
NOTES TO BIDDERS

- THIS SHEET CONTAINS A LIST OF DRAWINGS WHICH COMPRISE A FULL SET OF DRAWINGS FOR THIS PROJECT. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE RESPONSIBLE FOR THE INFORMATION CONTAINED IN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS. IF ANY PERSON, PARTY OR ENTITY ELECTS TO SUBMIT BIDS FOR ANY PORTION OR ALL OF THIS PROJECT, THAT PERSON, PARTY OR ENTITY SHALL BE RESPONSIBLE FOR ANY AND ALL INFORMATION CONTAINED IN THESE DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT AMENDMENTS OR CLARIFICATIONS THAT MAY BE ISSUED.
- THESE DOCUMENTS SHOW THE DESIGN INTENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE EVERYTHING SHOWN ON THE DRAWINGS OR SPECIFIED REGARDLESS OF WHERE IT IS SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS. FOR EXAMPLE, SOME MILLWORK DETAILS HAVE STEEL FRAMES WHICH MAY BE PROVIDED BY DIVISION 06 OR WITH THE MILLWORK AT THE CONTRACTOR'S DISCRETION, BUT IT SHALL BE PROVIDED AS PART OF THE CONTRACT.
- EVERYTHING CALLED FOR IN THESE DOCUMENTS SHALL BE "NEW" AND PROVIDED BY THE CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT UNLESS NOTED OTHERWISE AS EXISTING (EXIST), NOT IN CONTRACT (N/C) OR FOR REFERENCE ONLY. FURNISHINGS SHOWN DASHED SHALL BE FOR REFERENCE ONLY.



SHEET INDEX

SCHEDULE - SHEET INDEX FOR G001	
Sheet Number	SHEET NAME
GENERAL	
CV	COVER
G001	GENERAL INFORMATION, INDEX & TYPICAL ANSI ACCESSIBILITY STANDARDS
G002	PROJECT & PRODUCT SPECIFICATIONS
G003	PROJECT & PRODUCT SPECIFICATIONS
ARCHITECTURAL SITE	
AS101	OVERALL SITE PLAN - OVERALL BUILDING 5
DEMOLITION	
AD110.1	DEMOLITION PLAN & DEMO REFLECTED CEILING PLAN - ENLARGED
ARCHITECTURAL	
A110.1	LEVEL 2 ANNOTATED & DIMENSION PLAN, RCP & FINISH PLAN - ENLARGED
A500	INTERIOR FRAMING, CEILING DETAILS & CASEWORK DETAILS
Grand total: 8	

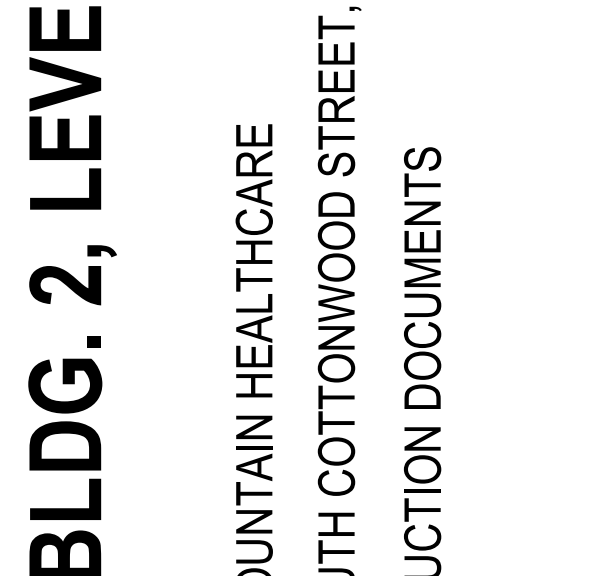
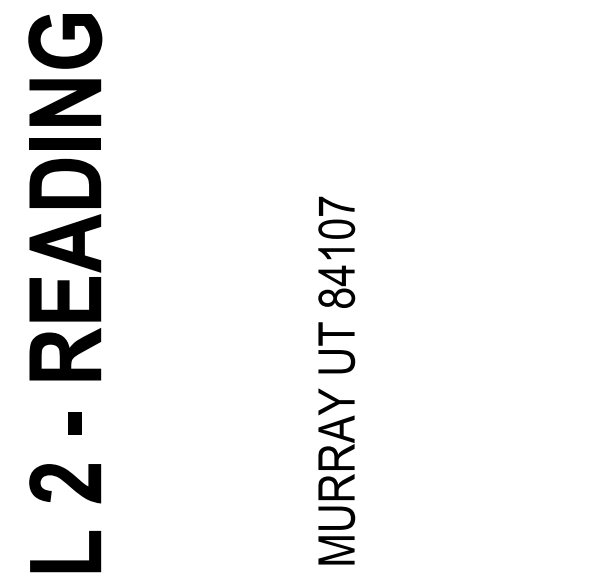


REV	DATE	DESCRIPTION

VCBO NUMBER: 21865
 DATE: 01/10/2022

IMC BLDG. 2, LEVEL 2 - READING ROOM REMODEL

INTERMOUNTAIN HEALTHCARE
 5125 SOUTH COTTONWOOD STREET, MURRAY UT 84107
 CONSTRUCTION DOCUMENTS



GENERAL INFORMATION, INDEX & TYPICAL ANSI ACCESSIBILITY STANDARDS
G001

PROJECT & PRODUCT SPECIFICATIONS

SECTION 08 7100 DOOR HARDWARE

PART 1 - PRODUCTS

1.1 SCHEDULED DOOR HARDWARE

- A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.
B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designators, as follows:
1. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.
C. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

1.2 HANGING DEVICES

- A. Hinges: ANSIBHMA A156.1 certified butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.
1. Quantity: Provide the following hinge quantity:
a. Two Hinges: For doors with heights up to 60 inches.
b. Three Hinges: For doors with heights 61 to 90 inches.
c. Four Hinges: For doors with heights 91 to 120 inches.
d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.
2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
a. Widths up to 30": 4-1/2" standard or heavy weight as specified.
b. Sizes from 31" to 41": 5" standard or heavy weight as specified.
c. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.
4. Hinge Options: Comply with the following:
a. Non-removable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed, for the all-out-swinging lockable doors.
5. Manufacturers:
a. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK).
b. Stanley Hardware (ST).

- B. Continuous Gearing Hinges: ANSIBHMA A156.26 Grade 1400 certified continuous geared hinge with minimum 0.120-inch thick extruded 6060 T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.
1. Manufacturers:
a. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK).
b. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).
C. Pin and Barrel Continuous Hinges: ANSIBHMA A156.26 Grade 1400 certified pin and barrel continuous hinges with minimum 1/4 gauge Type 304 stainless steel hinge leaves, concealed teflon coated stainless pin, and twin self-lubricated nylon bearings at each knuckle separation. Factory trim hinges to suit door height and prepare for electrical cut-outs.
1. Manufacturers:
a. Markar Products; ASSA ABLOY Architectural Door Accessories (MR).
b. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK).
c. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).

1.3 DOOR OPERATING TRIM

- A. Flush Bolts and Surface Bolts: ANSIBHMA A156.3 and A156.16, Grade 1, certified.
1. Flush bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately six feet from the floor.
2. Furnish dust proof strikes for bottom bolts.
3. Surface bolts to be minimum 8" in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.
5. Manufacturers:
a. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
b. Trimco (TC).
B. Coordinators: ANSIBHMA A156.3 certified door coordinators consisting of active-leaf, hold-open lever and inactive-leaf release trigger. Model as indicated in hardware sets.
1. Manufacturers:
a. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
b. Trimco (TC).
C. Door Push Plates and Pulls: ANSIBHMA A156.6 certified door pushes and pulls of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.
1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
4. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.
5. Manufacturers:
a. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
b. Trimco (TC).

1.4 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum 10) years experience designing secured master key systems and have on record a published security keying system policy.
B. Source Limitations: Obtain each type of keyed cylinder and keys from the same source manufacturer as locksets and exit devices, unless otherwise indicated.
C. Cylinders: Original manufacturer cylinders complying with the following:
1. Mortise Type: Threaded cylinders with rings and cams to suit hardware application.
2. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
3. Bored-Lock Type: Cylinders with tailpieces to suit locks.
4. Mortise and rim cylinder coils to be solid and recessed to allow the cylinder face to be flush and be free springing with matching finishes.
5. Keyway: Match Facility Restricted Keyway.
D. High Security Cylinders: ANSIBHMA A156.5, Grade 1 High security cylinder conforming to UL437, including both pick and drill resistance. Pick resistance incorporates two or more independent locking mechanisms including a pin tumbler device with six top pin chambers, mushroom-shaped driver pins, and coded sidebar locking mechanism operated independently from the six top pin tumbler device. Drill resistance incorporates cylinder housing with case-hardened inserts protecting the pin tumbler shear line, cylinder plugs with case-hardened inserts protecting both the pin tumbler shear line and the sidebar, mushroom-shaped stainless steel driver pins, and stainless steel spacers. Cylinders to be factory keyed.
1. Manufacturers:
a. ASSA (AA) - V10 Series.
E. Keying System: Each type of lock and cylinder to be factory keyed.
1. Contact specified "Keying Conference" to define and document keying system instructions and requirements.
2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
3. Existing System: Key locks to Owner's existing system.
F. Key Quantity: Provide the following minimum number of keys:
1. Change Keys per Cylinder: Two (2)
2. Master Keys (per Master Key Level/Group): Five (5)
G. Key Registration List (Bitting List)
1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
2. Provide transcript list in writing or electronic file as directed by the Owner.

1.5 MECHANICAL LOCKS AND LATCHING DEVICES

- A. Mortise Locksets, Grade 1 (Heavy Duty): ANSIBHMA A156.13, Series 1000, Operational Grade 1 certified. Locksets are to be manufactured with a corrosion resistant steel case and be field-reversible for handing without disassembly of the lock body.
1. Manufacturers:
a. Corbin Russwin Hardware (RU) - ML2000 Series.
b. Sargent Manufacturing (SA) - 5200 Series.
c. Schlage (SC) - L2000 Series.

1.6 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
1. Flat-Lip Strikes: For locks with three-piece anti-rattle lockbolts, as recommended by manufacturer.
2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
4. Double-tipped strikes: For locks at double acting doors. Furnish with retractable stop for reuse hardware applications.
B. Standards: Comply with the following:
1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Strikes for Bored Locks and Latches: BHMA A156.2.
3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
4. Dustproof Strikes: BHMA A156.16.

1.7 CONVENTIONAL EXIT DEVICES

- A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:
1. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including set nuts and bolts at openings specified in the Hardware Sets.
2. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
3. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
4. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full-glass configuration.
5. Electromechanical Options: Subject to same compliance standards and requirements as mechanical exit devices, electrified devices to be of type and design as specified in hardware sets, include any specific controllers when conventional power supplies are not sufficient to provide the proper inrush current.
6. Motorized Electric Latch Retraction: Devices with an electric latch retraction feature must use motors which have a maximum current draw of 600mA. Solemnoid draw latch retraction is not acceptable.
7. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty ejection trim with threaded studs for trim-bolts.
a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.
8. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide a less bottom rod (LR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
9. Narrow Sillie Applications: At doors constructed with narrow sills, or as specified in Hardware Sets, provide devices designed for maximum 2" wide sills.
10. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
11. Rail Sizing: Provide exit device rails factory sized for proper door depth with application.
12. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.

SECTION 08 7100 DOOR HARDWARE (continues)

- B. Conventional Push Rail Exit Devices (Heavy Duty): ANSIBHMA A156.3, Grade 1 certified panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Exit device latch to be stainless steel, pullman type, with deadlock feature.
1. Manufacturers:
a. Corbin Russwin Hardware (RU) - ED4000 / ED5000 Series.
b. Sargent Manufacturing (SA) - 80 Series.
c. Von Duprin (VD) - 35A36 XP Series.
1.8 DOOR CLOSERS
A. All door closers specified herein shall meet or exceed the following criteria:
1. General: Door closers to be of one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers including installation and adjusting information on inside of cover.
2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
3. Cycle Testing: Provide closers which have surpassed 15 million cycles in a test witnessed and verified by UL.
4. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the physically handicapped, provide units complying with ANSI ICCA117.1.
5. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
B. Door Closers, Surface Mounted (Heavy Duty): ANSIBHMA A156.4, Grade 1 surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6, and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.
1. Manufacturers:
a. Corbin Russwin Hardware (RU) - D06000 Series.
b. LCN Closers (LC) - 4040 Series.
c. Sargent Manufacturing (SA) - 351 Series.
d. Norton Door Controls (NO) - 7500 Series.

- 1.9 SURFACE MOUNTED CLOSER HOLDERS
A. Closer Holder Release Devices: ANSI A156.15 certified closer holder release devices designed to hold open fire or smoke rated doors until interruption of signal from fire alarm, smoke detector or remote release switch. Pull side, push side, or double sweep mounting applications available with non-handed track and closer body and dual voltage input (24V/120V). Voltage to be 24VDC unless otherwise specified. Where optional detector is required, provide integral photo electric type with LED indicator. Auxiliary door stops are required at hold open point.
1. Manufacturers:
a. Norton Door Controls (NO) - 7700PTD) Series.
b. Rixon Door Controls (RF) - Smok-Chek VI Series.
c. Sargent Manufacturing (SA) -351 EHT(D) Series.
B. Multi-Point Closer Holders with Motion Sensor: ANSI A156.15, Grade 1 certified multi-point, closer holder devices designed to keep doors in a held-open position if presence is detected within the opening. Push side or pull side mounting applications having a maximum opening of 180" (hold open to 175") and dual voltage input (24V/120V). Voltage to be 24VDC unless otherwise specified. Units are fail safe, closing the door in the event of fire alarm system or electrical power interruption.
1. Safe Zone Detection: Closer holders units to have an integral motion sensor device monitoring a "zone of safety" at the door opening. Safe zone detection prevents the door from closing in event of movement within the adjustable sensing field. Movement is detectable in both directions with selectable closer hold open time and sensor sensitivity. Provide optional handheld device for programming safe zone sensor settings.
2. Manufacturers:
a. Norton Door Controls (NO) - 7100SZ Series.
C. Electromagnetic Door Holders: Certified ANSI A156.15 electromagnetic door holder/releases with a minimum 20 to 40 pounds holding power and single coil actuator able to accommodate 120VDC, 24VAC, 24VDC and 120VAC. Coils to be independently wound, employing an integral fuse and armatures to include a positive release button.
1. Manufacturers:
a. Rixon (RF) - 980990 Series.
b. Sargent Manufacturing (SA) - 1500 Series.

1.10 ARCHITECTURAL TRIM

- A. Door Protective Trim
1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
2. Size: Fabricate protection plates (kick, arm, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
3. Where plates are applied to the fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.
4. Protection Plates: ANSIBHMA A156.6 certified protection plates (kick, arm, or mop), fabricated from the following:
a. Stainless Steel: 300 grade, .050-inch thick.
5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
6. Manufacturers:
a. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
b. Trimco (TC).
1.11 DOOR STOPS AND HOLDERS
A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
B. Door Stops and Bumpers: ANSIBHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, ether convex or concave types with anchorages as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
1. Manufacturers:
a. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
b. Trimco (TC).
C. Overhead Door Stops and Holders: ANSIBHMA A156.6, Grade 1 certified overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, stile, arm and jmb to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
1. Manufacturers:
a. Rixon Door Controls (RF).
b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
c. Sargent Manufacturing (SA).

1.12 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.
C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
1. Provide translucent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.
D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
F. Manufacturers:
1. National Guard Products (NG).
2. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).
3. Rorex Enterprises, Inc. (RE).

1.13 FABRICATION

- A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.
1.4 FINISHES
A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSIBHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware.
C. Protect mechanical finishes on exposed surfaces from damage by applying a shippable, temporary protective covering before shipping.

EXECUTION

- 1.1 EXAMINATION
A. Examine scheduled openings, with installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
B. Notify Architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.
1.2 PREPARATION
A. Hollow Metal Doors and Frames: Comply with ANSIDIH A115 series.
B. Wood Doors: Comply with ANSIDIH A115-W series.
1.3 INSTALLATION
A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
2. Wood Doors (DHI WDGS-3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
C. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 3 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
D. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
E. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.
1.4 FIELD QUALITY CONTROL
A. Field Inspection: Supplier will perform a final inspection of installed door hardware and state in report whether work complies with or deviates from requirements, including whether door hardware is properly installed, operating and adjusted.

SECTION 08 7100 DOOR HARDWARE (continues)

- 1.5 ADJUSTING
A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.
1.6 CLEANING AND PROTECTION
A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time from:
B. Clean adjacent surfaces soiled by door hardware installation.
C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain in accordance with door hardware in without damage or deterioration at end of owner occupancy.
1.7 DEMONSTRATION
A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the Owner and Architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
B. The supplier is responsible for handling and sizing all products as listed in the door hardware sets. Quantities listed are for each part of doors, or for each single door.
C. Manufacturer's Abbreviations:
1. MK - McKinney
2. PE - Pemko
3. MR - Markar
4. RO - Rockwood
5. SA - Sargent
6. ST - Security
7. AA - ASSA High Security Locks
8. MC - Medeco
9. HS - HES
10. RF - Rixon
11. NO - Norton

- Set 1.0
Door: 203
3 Hinge, Full Mortise TA2714 (NRP) US26D MK
1 Cylindrical Lock (offsite) CL3361 NZD CMK 626 RU
1 Surface Closer CLP7500 689 NO
1 Kick Plate K1050 10" US32D RO
1 Gasketing S4428L PE
1 Door Bottom STC411APK PE

NOTE TO THE BIDDERS:

- 01 2300 ALTERNATES
GENERAL RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.
SUMMARY
A. This Section includes administrative and procedural requirements for alternates.
DEFINITIONS
A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
B. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.
PROCEDURES
A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
B. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
C. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
D. Execution of Work: Execute accepted alternates under the same conditions as other work of the Contract.
E. Schedule: A Schedule of Alternates is indicated at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PRODUCTS - NOT USED

EXECUTION

- SCHEDULE OF ALTERNATES
A. Alternate No. 1 - Replace ceiling tiles and ceiling grids in rooms PRIVATE RADIOLOGY READING 201, RADIOLOGY READING 202 and PRIVATE RADIOLOGY READING 203
1. Base Bid: Existing to remain.
2. Alternate (Addition): Provide a bid estimate for the work related to the replacement of ceiling grids and ceiling tiles in the rooms noted above, with the following product:
Armstrong "Ultima", 2x4 Square Lay-In.
B. Alternate No. 2 - Add acoustical panels (floor to ceiling) on all walls in rooms RADIOLOGY READING 202 and PRIVATE RADIOLOGY READING 203.
1. Base Bid: Existing to remain.
2. Alternate (Addition): Provide a bid estimate for the work related to:
a. Demolition / removal of existing acoustical panels.
b. Preparation of wall surfaces for new acoustical panels.
c. Material and installation of new acoustical panels in the rooms noted above, with the following product:
i. Product: J2 Systems Pet Felt Panels.
ii. Color: 28 Dark Gray.
iii. 12 mm., 4" x 8" panels, field cut. Adhere to wall using construction adhesive.
C. Alternate No. 3 - Provide and install a VAV box in room PRIVATE RADIOLOGY READING 203.
1. Base Bid: Existing to remain.
2. Alternate (Addition): Provide a bid estimate for the work related to the installation of a VAV box in the room noted above.

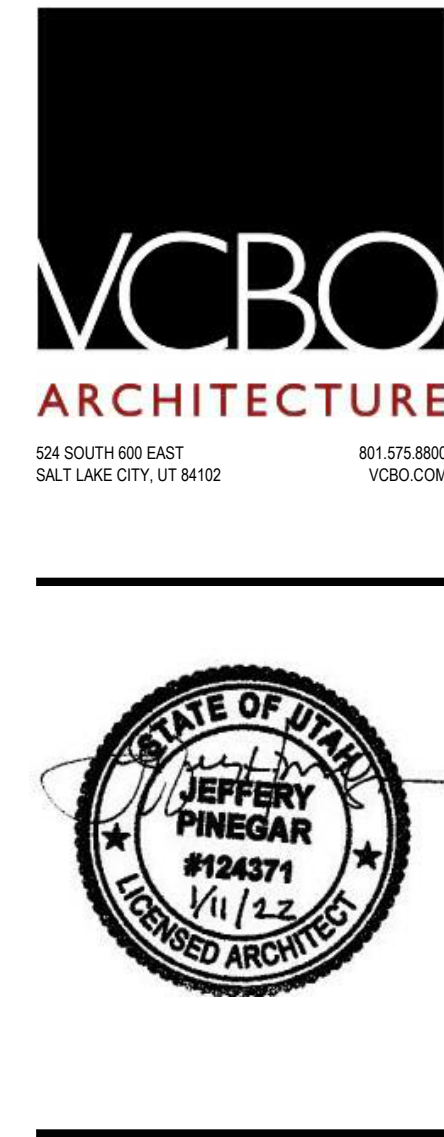


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Table with 2 columns: VCB0 NUMBER, DATE

IMC BLDG. 2, LEVEL 2 - READING ROOM REMODEL
INTERMOUNTAIN HEALTHCARE
5125 SOUTH COTTONWOOD STREET, MURRAY UT 84107
CONSTRUCTION DOCUMENTS

