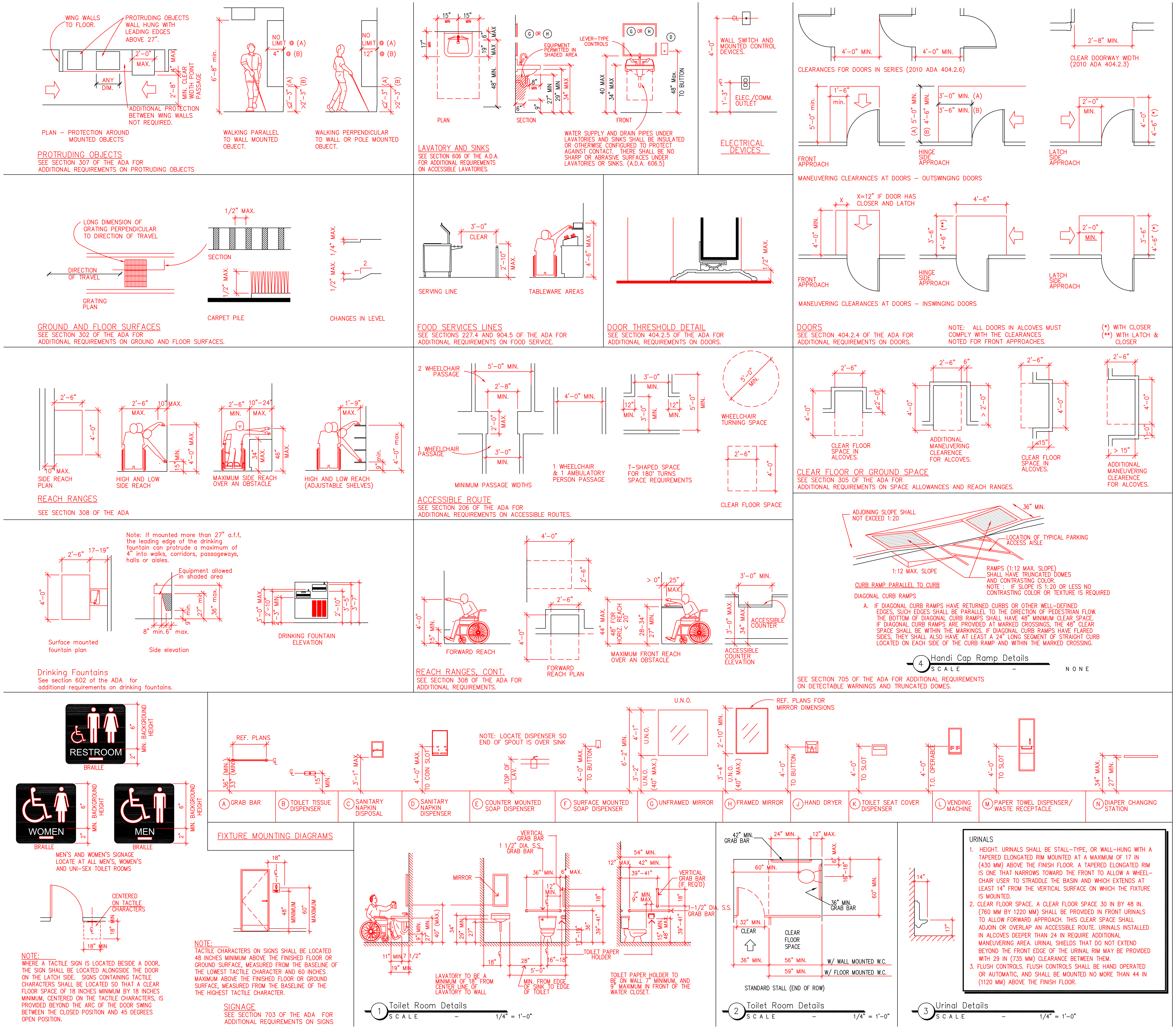

GENERAL ACCESSIBILITY NOTES:

INFORMATION SHOWN ON THIS SHEET IS THE MINIMUM REQUIRED FOR ADA (2010 ADA STANDARDS FOR ACCESSIBLE DESIGN) COMPLIANCE.

NOT ALL CONDITIONS SHOWN ON THIS SHEET MAY BE REQUIRED BY THIS PROJECT. COMPARE THE REQUIREMENTS OF THE ARCHITECTURAL DRAWINGS WITH THIS SHEET FOR RELEVANCE OF INFORMATION.

DIMENSIONS INDICATED ARE THE MINIMUM CLEAR DIMENSIONS REQUIRED BY THE TAS ACCESSIBILITY GUIDELINES. THE CONTRACTOR IS RESPONSIBLE FOR LAYOUT OF BUILDING ELEMENTS TO ASSURE THAT DIMENSIONS SHOWN ARE PROVIDED.

NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL DRAWINGS AND THE INFORMATION GIVEN ON THIS SHEET.

DO NOT SCALE THESE DRAWINGS.

REFER, ALSO, TO FEDERAL PUBLICATION "AMERICANS WITH DISABILITIES ACT, TITLE III; PUBLIC ACCOMMODATIONS" (LATEST EDITION) AND PROJECT LOCAL GOVERNING REGULATIONS FOR COMPLETE PROJECT ACCESSIBILITY REQUIREMENTS.

SPECIAL ACCESSIBILITY REQUIREMENTS:

DOOR HARDWARE:

DOORS SHALL HAVE LEVER–OPERATED MECHANISMS, PUSH–TYPE MECHANISMS, OR U–SHAPED HANDLES.

HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.

SLIDING DOORS, IF ANY, WHEN FULLY OPEN SHALL HAVE OPERATING HARDWARE EXPOSED AND USABLE FROM BOTH SIDES.

MOUNTING HEIGHT: HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISHED FLOOR.

CLOSER OPERATION: THE SWEEP PERIOD OF A CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:
(A) EXTERIOR HINGED DOORS: NO REQUIREMENT.
(B) INTERIOR HINGED DOORS: 5 LBF
(C) SLIDING OR FOLDING DOORS: 5 LBF
EXCEPT THAT FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.
THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.

AUTOMATIC DOORS AND AUTOMATIC GATES SHALL COMPLY WITH 404.3. FULL POWERED, AUTOMATIC DOORS SHALL COMPLY WITH ANSI / BHMA A156.10 (INCORPORATED BY REFERENCE, SEE REFERENCED STANDARDS IN CHAPTER 1) LOW–ENERGY AND POWER ASSISTED DOORS SHALL COMPLY WITH ANSI / BHMA A156.19 (1997 OR 2002 EDITION (INCORPORATED BY REFERENCE, SEE REFERENCED STANDARDS IN CHAPTER 1) SUCH DOORS SHALL NOT OPEN TO BACK CHECK FASTER THAN 3 SECONDS AND SHALL REQUIRE NO MORE THAN 15 LBF (66.6N) TO STOP DOOR MOVEMENT. IF USER–OPERATED CONTROLS ARE PROVIDED THEY SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS, SECTION 4.27.

CONTROLS AND OPERATING MECHANISMS:

HEIGHT: SWITCHES, THERMOSTATS, CONTROLS, DISPENSERS, RECEPTACLES, AND THE HIGHEST OPERABLE PART OF OTHER OPERABLE EQUIPMENT SHALL BE PLACED NO HIGHER THAN 48" ABOVE THE FLOOR AND WITHIN THE REACH RANGES REQUIRED BY THE ADA (2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.) RECEPTACLES OF ELECTRICAL AND COMMUNICATIONS SYSTEM ON WALLS SHALL BE MOUNTED NO LESS THAN 15" ABOVE THE FLOOR.

EXCEPTION: THESE REQUIREMENTS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL AND COMMUNICATIONS SYSTEMS RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.

FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44" ABOVE THE FLOOR.

OPERATION: CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.

GRAB BARS, AND TUB AND SHOWER SEATS:

THE OUTSIDE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A HANDRAIL OR GRAB BAR SHALL BE 1–1/4" TO 1–1/2", OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE.

IF HANDRAILS OR GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1–1/2".

BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.

SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.

SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.

TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 LBF PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING STRUCTURE.

ROTATION OF GRAB BARS WITHIN THEIR FITTINGS IS NOT ACCEPTABLE.

SHARP OR ABRASIVE ELEMENTS ARE NOT ACCEPTABLE FOR A HANDRAIL OR GRAB BAR OR ANY WALL OR OTHER SURFACE ADJACENT TO IT. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".

SIGNAGE:

THE WIDTH–TO–HEIGHT RATIO OF LETTERS AND NUMBERS ON SIGNS SHALL HAVE A BETWEEN 3:5 AND 1:1 AND A STROKE–WIDTH–TO–HEIGHT RATIO BETWEEN 1:5 AND 1:10 USING AN UPPER–CASE "X" FOR MEASUREMENT. LOWER CASE LETTERS ARE PERMITTED.

OVERHEAD SIGN CHARACTERS AND NUMBERS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. FOR SUSPENDED OR PROJECTED OVERHEAD SIGNS, THE MINIMUM CHARACTER HEIGHT IS 3". BRAILLED CHARACTERS AND PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE RAISED 1/32", UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER THAN 2". PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MINIMUM IN HEIGHT.

FINISH: THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON–GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND.

PERMANENT IDENTIFICATION SIGNS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN.

MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

DATE	REVISION

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DRAWING STATUS

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DATE	04/22/2016

ENGINEERING DESIGNS FOR
Safelite AutoGlass
421 Warren Avenue
Portland, Maine

TITLE
2010 A.D.A.
"Standards for Accessible Design"

DESIGN BUILDER

JOB NO. 16–1003

ENGINEERING DWG. NO. A6

STATE OF MAINE — DANA C. STURTEVANT — No. 3107 — LICENSED PROFESSIONAL ENGINEER

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