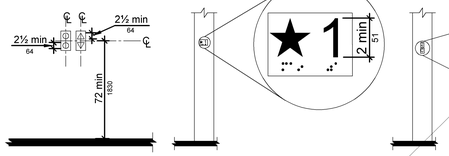
**NOTES:**

1. ELEVATORS SHALL COMPLY WITH ASTM A17.1 LISTED IN SECTION 105.2.5. ELEVATORS SHALL BE PASSENGER ELEVATORS AS CLASSIFIED BY ASTM A17.1. ELEVATOR OPERATION SHALL BE AUTOMATIC.
2. CALL BUTTONS SHALL BE RAISED OR FLUSH. OBJECTS BENEATH HALL CALL BUTTONS SHALL PROTRUDE 1 INCH MAXIMUM. EXCEPTION: EXISTING ELEVATORS SHALL BE PERMITTED TO HAVE RECESSED CALL BUTTONS. THE RESTRICTION ON OBJECTS BENEATH CALL BUTTONS SHALL NOT APPLY TO EXISTING CALL BUTTONS.
3. CALL BUTTONS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES. MEASURED TO THE CENTERLINE OF THE HIGHEST OPERABLE PART. EXCEPTION: EXISTING CALL BUTTONS AND EXISTING KEYPADS SHALL BE PERMITTED TO BE LOCATED 54 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE HIGHEST OPERABLE PART.
4. CLEAR FLOOR SPACE SHALL BE PROVIDED AT CALL CONTROLS.
5. THE CALL BUTTON THAT DESIGNATES THE UP DIRECTION SHALL BE LOCATED ABOVE THE CALL BUTTON THAT DESIGNATES THE DOWN DIRECTION.
6. CALL BUTTONS SHALL HAVE VISIBLE SIGNALS TO INDICATE WHEN EACH CALL IS REGISTERED AND WHEN EACH CALL IS ANSWERED. EXCEPTION: DISTINATION-ORIENTED ELEVATORS SHALL BE PROVIDED WITH VISIBLE AND AUDIBLE SIGNALS TO INDICATE WHICH CAR IS RESPONDING TO A CALL. THE AUDIBLE SIGNAL SHALL BE ACTIVATED BY PRESSING A FUNCTION BUTTON. THE FUNCTION BUTTON SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL FOR ACCESSIBILITY AND TACTILE INDICATION. THE INTERNATIONAL SYMBOL FOR ACCESSIBILITY SHALL BE 5/8" IN HEIGHT AND SHALL COMPLY WITH VISUAL CHARACTERS.
7. VISIBLE AND AUDIBLE SIGNAL SHALL BE PROVIDED AT EACH HOISTWAY ENTRANCE TO INDICATE WHICH CAR IS ANSWERING A CALL AND THE CAR'S DIRECTION OF TRAVEL. WHERE IN-CAR SIGNALS ARE PROVIDED THEY SHALL VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HALL CALL BUTTONS. EXCEPTION. DESTINATION-ORIENTED ELEVATORS ARE NOT REQUIRED TO COMPLY PROVIDED THEY COMPLY WITH NOTE 6.
8. VISIBLE SIGNALS SHALL COMPLY WITH HEIGHT OF SIGNALS. EXCEPTION: DESTINATION-ORIENTED ELEVATORS SHALL BE PERMITTED TO HAVE SIGNALS VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HOISTWAY ENTRANCE. EXISTING ELEVATORS SHALL NOT BE REQUIRED TO COMPLY.
9. AUDIBLE SIGNALS SHALL SOUND ONCE FOR THE UP DIRECTION AND TWICE FOR THE DOWN DIRECTION, OR SHALL HAVE VERBAL ANNUNCIATORS THAT INDICATE THE DIRECTION OF ELEVATOR CALL TRAVEL. AUDIBLE SIGNALS SHALL HAVE A FREQUENCY OF 1500 Hz MAXIMUM. VERBAL ANNUNCIATORS SHALL HAVE A FREQUENCY OF 300 Hz MINIMUM AND 3,000 Hz MAXIMUM. THE AUDIBLE SIGNAL OR VERBAL ANNUNCIATORS SHALL BE 10 dBA MINIMUM ABOVE AMBIENT, BUT SHALL NOT EXCEED 80 dBA, MEASURED AT THE HALL CALL BUTTON. EXCEPTION: DESTINATION-ORIENTED ELEVATORS SHALL NOT BE REQUIRED TO COMPLY. THE REQUIREMENT FOR THE FREQUENCY AND RANGE OF AUDIBLE SIGNALS SHALL NOT APPLY IN EXISTING ELEVATORS.
10. FLOOR DESIGNATIONS SHALL BE PROVIDED ON BOTH JAMBS OF ELEVATOR HOISTWAY ENTRANCES.
11. CAR DESIGNATIONS SHALL BE PROVIDED ON BOTH JAMBS OF THE HOISTWAY IMMEDIATELY BELOW THE FLOOR DESIGNATION.
12. DESTINATION SIGNS. WHERE SIGNS INDICATE THAT ELEVATORS DO NOT SERVE ALL LANDING, TACTILE SIGNS SHALL BE PROVIDED ABOVE THE HALL CALL BUTTON FIXTURE. EXCEPTION: DESTINATION -ORIENTED ELEVATORS SHALL NOT BE REQUIRED TO COMPLY.
13. ELEVATOR DOOR REQUIREMENTS. ELEVATOR DOORS SHALL BE HORIZONTAL. CAR GATES SHALL BE PROHIBITED. EXCEPTION: EXISTING MANUALLY OPERATED HOISTWAY SWING DOORS SHALL BE PERMITTED PROVIDED THEY COMPLY WITH CLEAR DOOR WIDTH REQUIREMENTS AND THE CAR DOOR CLOSING IS NOT INITIATED UNTIL THE HOISTWAY DOOR IS CLOSED.
14. REOPENING DOORS. ELEVATOR DOORS SHALL BE PROVIDED WITH A REOPENING DEVICE THAT SHALL STOP AND REOPEN A CAR DOOR AND HOISTWAY DOOR AUTOMATICALLY IF THE DOOR BE OBSTRUCTED BY AN OBJECT OR PERSON. EXCEPTION: IN EXISTING ELEVATORS MANUALLY OPERATED DOORS SHALL NOT BE REQUIRED TO COMPLY.
15. THE REOPENING DEVICE SHALL BE ACTIVATED BY SENSING AN OBSTRUCTION PASSING THROUGH THE OPENING AT 5 INCHES NOMINAL AND 29 INCHES NOMINAL ABOVE THE FLOOR. THE REOPENING DEVICE SHALL NOT REQUIRE PHYSICAL CONTACT TO BE ACTIVATED, ALTHOUGH CONTACT SHALL BE PERMITTED BEFORE THE DOOR REVERSES. THE REOPENING DEVICE SHALL REMAIN EFFECTIVE TO 20 SECONDS MINIMUM.
16. DOOR AND SIGNAL TIMING. THE MINIMUM ACCEPTABLE TIME FROM NOTIFICATION THAT A CAR IS ANSWERING A CALL UNTIL THE DOORS OF THAT CAR START TO CLOSE SHALL BE CALCULATED FORM THE FOLLOWING EQUATION: T=D/(1.5FT/S) OR T=D/(455MM/S) WHERE T EQUALS THE TOTAL TIME IN SECONDS AND D EQUALS THE DISTANCE FROM THE POINT IN THE LOBBY OR CORRIDOR 60 INCHES DIRECTLY IN FRONT OF THE FARTHEST CALL BUTTON CONTROLLING THAT CAR TO THE CENTERLINE OF ITS HOISTWAY DOOR. EXCEPTION: FOR CARS WITH IN –CAR LANTERNS, T SHALL BE PERMITTED TO BEGIN WHEN THE DIAGONAL IS VISIBLE FROM THE POINT 60 IN INCHES DIRECTLY IN FRONT OF THE FARTHEST HALL CALL BUTTON AND THE AUDIBLE SIGNAL IS SOUNDED. DESTINATION-ORIENTED ELEVATORS SHALL NOT BE REQUIRED TO COMPLY.
17. DOOR DELAY: ELEVATOR DOORS SHALL REMAIN FULLY OPEN IN RESPONSE TO A CAR CALL FOR 3 SECONDS MINIMUM.
18. DOOR WIDTH: SHALL COMPLY WITH DIAGRAMS. EXCEPTION: IN EXISTING ELEVATORS, A POWER-OPERATED CAR DOOR COMPLYING WITH CLEAR WIDTH OF DOORS SHALL BE PERMITTED.
19. ELEVATOR CAR REQUIREMENTS. FLOORS SHALL COMPLY WITH FLOOR SURFACES. THE CLEARANCE BETWEEN THE CAR PLATFORM SILL AND THE EDGE OF ANY HOISTWAY LANDING SHALL BE IN COMPLIANCE WITH ASMT/ANSI A17.1. EACH CAR SHALL BE EQUIPPED WITH A SELF-LEVELING FEATURE THAT WILL AUTOMATICALLY BRING AND MAINTAIN THE CAR AT FLOOR LANDINGS WITHIN A TOLERANCE OF 1/2 INCH UNDER RATED LOADING TO ZERO LOADING CONDITIONS.
20. ILLUMINATION. THE LEVEL OF ILLUMINATION AT THE CAR CONTROLS, PLATFORM, AND CAR LANDING SILL SHALL BE 5 FOOT-CANDELS (54LUX) MINIMUM.
21. ELEVATOR CAR CONTROLS. WHERE PROVIDED ELEVATOR CAR CONTROLS SHALL CONFORM TO OPERABLE PARTS. EXCEPTION: IN EXISTING ELEVATORS, WHERE A NEW CAR OPERATING PANEL IS PROVIDED, EXISTING CAR OPERATING PANELS SHALL NOT BE REQUIRED TO COMPLY.
22. CONTROL LOCATION: CONTROLS SHALL BE LOCATED WITHIN ONT OF THE REACH RANGES. EXCEPTION: WHERE THE ELEVATOR PANEL SERVES MORE THAN 16 OPENING AND A PARALLEL APPROACH TO THE CONTROLS IS PROVIDED, BUTTONS WITH FLOOR DESIGNATIONS SHALL BE PERMITTED TO BE 54 INCHES MAXIMUM ABOVE THE FLOOR.
23. BUTTONS. SHALL COMPLY WITH 407.4.6.2. EXCEPTION: IN EXISTING ELEVATORS, BUTTONS SHALL BE PERMITTED TO BE RECESSED. BUTTONS SHALL BE ARRANGED WITH NUMBERS IN ASCENDING ORDER WITH FLOOR BELOW THE MAIN ENTRY FLOOR DESIGNATED WITH MINIMUM NUMBERS. NUMBERS SHALL BE PERMITTED TO BE OMITTED, PROVIDED THE REMAINING NUMBERS ARE IN SEQUENCE. WHERE A TELEPHONE KEYPAD ARRANGEMENT IS USED, THE NUMBER KEY (#) SHALL BE UTILIZED TO ENTER THE MINUS SYMBOL (-). WHEN TWO OR MORE COLUMNS OF BUTTONS ARE PROVIDED THEY SHALL READ FROM LEFT TO RIGHT.
24. KEYPADS: CAR CONTROL KEYPADS SHALL BE IN A STANDARD TELEPHONE KEYPAD ARRANGEMENT.
25. EMERGENCY CONTROLS BUTTONS SHALL HAVE THEIR CENTERLINES 35 INCHES MINIMUM ABOVE THE FLOOR. EMERGENCY CONTROLS, INCLUDING THE EMERGENCY ALARM, SHALL BE GROUPED AT THE BOTTOM OF THE PANEL.
26. DESIGNATIONS AND INDICATORS OF CAR CONTROLS. CONTROL BUTTONS SHALL BE IDENTIFIED BY TACTILE CHARACTERS. TACTILE CHARACTER AND BRAILLE DESIGNATIONS SHALL BE PLACED IMMEDIATELY TO THE LEFT OF THE CONTROL BUTTON TO TO WHICH THE DESIGNATIONS APPLY. WHERE A NEGATIVE NUMBER IS USED TO INDICATE A NEGATIVE FLOOR, THE BRAILLE DESIGNATION SHALL BE A CELL WITH THE DOTS 3 AND 6 FOLLOWED BY THE ORDINAL NUMBER. WHERE SPACE ON AN EXISTING CAR OPERATING PANEL PRECLUDES TACTILE MARKING TO THE LEFT OF THE CONTROL BUTTON, MARKINGS SHALL BE PLACED AS NEAR T THE CONTROL BUTTON AS POSSIBLE.
27. SYMBOLS. THE CONTROL BUTTONS FOR THE EMERGENCY STOP, ALARM, DOOR OPEN, DOOR CLOSE, MAIN ENTRY FLOOR, AND PHONE, SHALL BE IDENTIFIED WITH TACTILE SYMBOLS AS SHOWN IN TABLE 407.4.1.3
28. VISIBLE INDICATORS. BUTTONS WITH FLOOR DESIGNATIONS SHALL BE PROVIDED WITH VISIBLE INDICATORS TO SHOW THAT A CALL HAS BEEN REGISTERED. THE VISIBLE INDICATION SHALL EXTINGUISH WHEN THE CAR ARRIVES AT THE DESIGNATED FLOOR.
29. KEYPADS: KEYPADS SHALL BE IDENTIFIED BY VISUAL CHARACTERS COMPLYING WITH VISUAL CHARACTERS AND SHALL BE CENTERED ON THE CORRESPONDING KEYPAD BUTTON. THE NUMBER FIVE KEY SHALL HAVE A SINGLE RAISED DOT. THE DOT SHALL HAVE A BASE DIAMETER OF 0.118 INCH MINIMUM TO 0.120 INCH MAXIMUM AND A HEIGHT OF 0.025 INCH MINIMUM TO 0.037 INCH MAXIMUM.
30. ELEVATOR CALL CAR SEQUENTIAL STEP SCANNING SHALL BE PROVIDED WHERE CAR CONTROL BUTTONS ARE PROVIDED MORE THAN 48 INCHES ABOVE THE FLOOR AS PERMITTED BY ELEVATOR CAR CONTROLS., EXCEPTION #1. FLOOR SELECTION SHALL BE ACCOMPLISHED BY APPLYING MOMENTARY OR CONSTANT PRESSURE TO THE UP OR DOWN SCAN BUTTON. THE UP SCAN BUTTON SHALL SEQUENTIALLY SELECT FLOOR ABOVE THE CURRENT FLOOR. THE DOWN SCAN BUTTON SHALL SEQUENTIALLY SELECT FLOOR BELOW THE CURRENT FLOOR. WHEN PRESSURE IS REMOVED FROM THE UP OR DOWN SCAN BUTTON FOR MORE THAN 2 SECONDS, THE LAST FLOOR SELECTED SHALL BE REGISTERED AS A CAR CALL. THE UP AND DOWN SCAN BUTTON SHALL BE LOCATED ADJACENT TO OR IMMEDIATELY ABOVE THE EMERGENCY CONTROL BUTTONS.
31. CAR POSITION INDICATORS; AUDIBLE AND VISIBLE CAR POSITION INDICATORS SHALL BE PROVIDED IN ELEVATOR CARS. CHARACTERS SHALL BE 1/2 INCH MINIMUM IN HEIGHT. INDICATORS SHALL BE LOCATED ABOVE THE CAR CONTROL PANEL OR ABOVE THE DOOR. AS THE CAR PASSES A FLOOR AND WHEN A CAR STOPS AT A FLOOR SERVED BY THE ELEVATOR, THE CORRESPONDING CHARACTER SHALL ILLUMINATE. EXCEPTION. DESTINATION-ORIENTATED ELEVATORS SHALL NOT BE REQUIRED TO COMPLY, PROVIDED THE VISIBLE INDICATORS EXTINGUISH WHEN THE CALL HAS BEEN ANSWERED.
32. IN DESTINATION-ORIENTED ELEVATORS, A DISPLAY SHALL BE PROVIDED IN THE CAR WITH VISIBLE INDICATORS TO SHOW CAR DESTINATIONS.
33. AUDIBLE INDICATORS; THE SIGNAL SHALL BE AN AUTOMATIC VERBAL ANNUNCIATORS THE ANNOUNCES THE FLOOR AT WHICH THE CAR IS ABOUT TO STOP. THE VERBAL ANNOUNCEMENT INDICATING THE FLOOR SHALL BE COMPLETED PRIOR TO THE INITIATION OF THE DOOR OPENING EXCEPTION. FOR ELEVATORS OTHER THAN DESTINATION-ORIENTED ELEVATORS THAT HAVE A RATED SPEED OF 200 FEET PER MINUET OR LESS, A NON VERBAL AUDIBLE SIGNAL WITH A FREQUENCY OF 1500 Hz MAXIMUM THAT SOUNDS AS THE CAR PASSES OR IS ABOUT TO STOP AT A FLOOR SERVED BY THE ELEVATOR SHALL BE PERMITTED.
34. SIGNAL LEVEL; THE VERBAL ANNUNCIATOR SHALL BE 10dBA MINIMUM ABOVE AMBIENT. BUT SHALL NOT EXCEED 80 dBA, MEASURED AT THE ANNUNCIATOR.
35. FREQUENCY; THE VERBAL ANNUNCIATOR SHALL HAVE A FREQUENCY OF 300 Hz MINIMUM TO 3,000 Hz MAXIMUM.
36. EMERGENCY COMMUNICATIONS; EMERGENCY TWO-WAY COMMUNICATION SYSTEMS BETWEEN THE ELEVATOR CAR AND A POINT OUTSIDE THE HOISTWAY SHALL COMPLY WITH ASME/ANSI A17.1 LISTED IN SECTION 105.2.5. THE HIGHEST OPERABLE PART OF A TWO-WAY COMMUNICATION SYSTEM SHALL COMPLY WITH REACH RANGES. COMPLYING TACTILE CHARACTERS SHALL BE PROVIDED ADJACENT TO THE DEVICE.

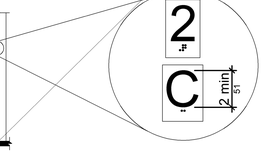
19 ELEVATORS — NTS



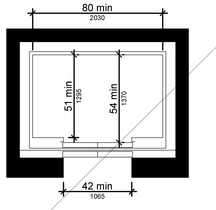

HEIGHT OF SIGNALS



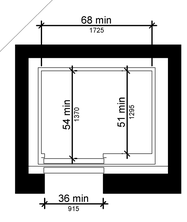

FLOOR DESIGNATION



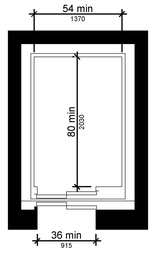

DESTINATION-ORIENTED ELEVATOR CAR IDENTIFICATION




CENTERED DOOR

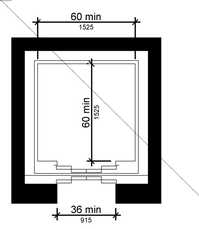



SIDE (OFF-CENTERED) DOOR

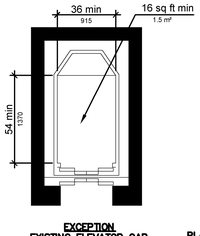



ANY DOOR LOCATION

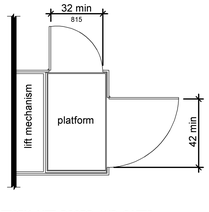
NOT USED



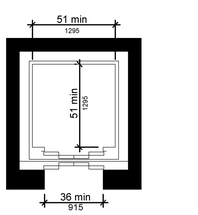

ANY DOOR LOCATION



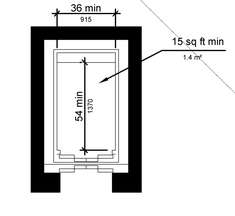

EXCEPTION
EXISTING ELEVATOR CAR CONFIGURATION



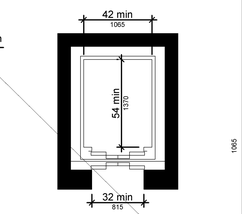

PLATFORM LIFT DOORS AND GATES




EXCEPTION 1

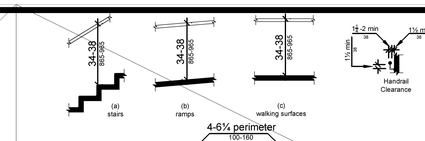


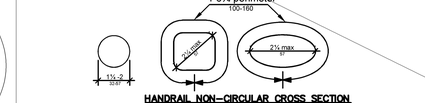

EXCEPTION 2



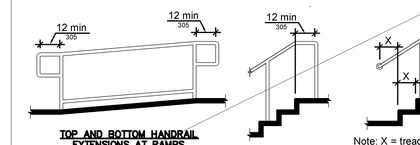

NEW CONSTRUCTION

LIMITED USE/LIMITED APPLICATION (LULU) ELEVATOR CAR DIMENSIONS




HANDRAIL NON-CIRCULAR CROSS SECTION




TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

TOP HANDRAIL EXTENSIONS AT STAIRS

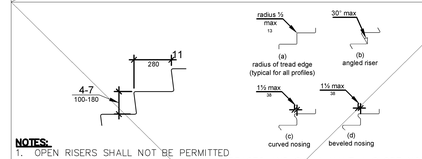
BOTTOM HANDRAIL EXTENSIONS AT STAIRS

5 HANDRAILS — NTS

**NOTES:**

1. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS. EXCEPTION: AISLE STAIRS AND AISLE RAMPS PROVIDED WITH A HANDRAIL EITHER AT THE SIDE OR WITHIN THE AISLE WIDTH.
2. HANDRAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS OR RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS OR RUNS.
3. GRIPPING SURFACES SHALL BE CONTINUOUS, WITHOUT INTERRUPTIONS BY NEWEL POSTS, OTHER CONSTRUCTION ELEMENTS, OR OBSTRUCTIONS. EXCEPTIONS: HANDRAIL BRACKETS OR BALUSTERS ATTACHED TO THE BOTTOM SURFACE OF THE HANDRAIL SHALL NOT BE CONSIDERED OBSTRUCTIONS, PROVIDED THEY COMPLY WITH THE FOLLOWING CRITERIA: NOT MORE THAN 20 PERCENT OF THE HANDRAIL LENGTH IS OBSTRUCTED, HORIZONTAL PROJECTIONS BEYOND THE SIDES OF THE HANDRAIL OCCUR 1 1/2 INCHES MINIMUM BELOW THE BOTTOM OF THE HANDRAIL AND PROVIDED THAT FOR EACH 1/2 INCH OF ADDITIONAL HANDRAIL PERIMETER DIMENSION ABOVE 4 INCHES THE VERTICAL CLEARANCE DIMENSION OF 1 1/2 INCH CAN BE REDUCED BY 1/8 INCH AND EDGES SHALL BE ROUNDED.
4. WHERE HANDRAILS ARE PROVIDED ALONG WALKING SURFACES WITH SLOPES NOT STEEPER THAN 1:20 THE BOTTOMS OF HANDRAIL GRIPING SURFACES SHALL BE PERMITTED TO BE OBSTRUCTED ALONG THEIR ENTIRE LENGTH WHERE THEY ARE INTEGRAL TO CRASH RAILS OR BUMPER GUARDS.
5. HANDRAIL AND ANY WALL OR OTHER SURFACES ADJACENT TO THEM, SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL BE ROUNDED.
6. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
7. HANDRAILS SHALL EXTEND BEYOND AND IN THE SAME DIRECTION OF STAIR FLIGHTS AND RAMP RUNS. EXCEPTIONS: CONTINUOUS HANDRAILS AT THE INSIDE TURN OF STAIRS AND RAMPS. EXTENSIONS ARE NOT REQUIRED FOR HANDRAILS IN AISLES SERVING SEATING WHERE THE HANDRAILS ARE DISCONTINUOUS. TO PROVIDE ACCESS TO SEATING AND TO PERMIT CROSSOVERS WITHIN THE AISLE. IN ALTERATIONS, FULL EXTENSIONS FOR HANDRAILS SHALL NOT BE REQUIRED WHERE SUCH EXTENSIONS WOULD BE HAZARDOUS DUE TO PLAN CONFIGURATIONS.
8. RAMP AND STAIR HANDRAILS EXTENSION SHALL RETURN TO A WALL, GUARD, FLOOR, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

REV 4



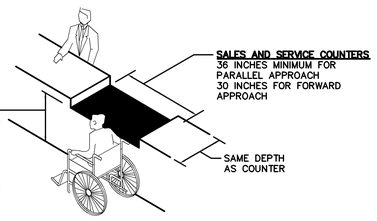

**NOTES:**

1. OPEN RISERS SHALL NOT BE PERMITTED
2. TREADS SHALL COMPLY WITH FLOOR SURFACES AND SHALL HAVE A SLOPE NOT STEEPER THAN 1:48.
3. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 INCH MAXIMUM. NOSING THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. THE LEADING 2 INCHES OF THE TREAD SHALL HAVE VISUAL CONTRAST OF DARK-ON-LIGHT OR LIGHT-ON-DARK FOR THE REMAINDER OF THE TREAD.
4. STAIRS SHALL HAVE COMPLYING HANDRAILS.
5. STAIR TREADS AND LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER.
6. LIGHTING FACILITIES SHALL BE CAPABLE OF PROVIDING 10 FOOT-CANDLES (108lux) OF LUMINANCE MEASURED AT THE CENTER OF TREAD SURFACES AND ON LANDING SURFACES WITHIN 24 INCHES OF STEP NOSING.
7. IF PROVIDED, OCCUPANCY-SENSING AUTOMATIC CONTROLS SHALL ACTIVATE THE STAIRWAY LIGHTING SO THE LUMINANCE LEVEL REQUIRED IS PROVIDED ON THE ENTRANCE LANDING, EACH STAIR FLIGHT ADJACENT TO THE ENTRANCE LANDING, AND ON THE LANDINGS ABOVE AND BELOW THE ENTRANCE LANDING PRIOR TO ANY STOP BEFORE USED.
8. COMPLYING STAIR LEVEL IDENTIFICATION SIGNS IN TACTILE CHARACTERS SHALL BE LOCATED AT EACH FLOOR LEVEL LANDING IN ALL ENCLOSED STAIRWAYS ADJACENT TO THE DOOR LEADING FORM THE STAIRWELL INTO THE CORRIDOR TO IDENTIEY THE FLOOR LEVEL. THE EXIT DOOR DISCHARGING TO THE OUTSIDE OR TO THE LEVEL OF EXIT DISCHARGE SHALL HAVE A TACTILE SIGN STATING "EXIT"

6 STAIRWAYS — NTS

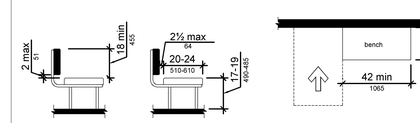
REV 4

1. WHERE DINING SURFACES ARE PROVIDED FOR THE CONSUMPTION OF FOOD OR DRINK, AT LEASE 5 PERCENT OF THE SEATING SPACES AND STANDING SPACES AT THE DINING SURFACES SHALL COMPLY. IN ADDITION, WHERE WORK SURFACES ARE PROVIDED FOR USE BY OTHER THAN EMPLOYEES, AT LEASE 5 PERCENT SHALL COMPLY.
2. DINING SURFACES AND WORK SURFACES REQUIRED TO COMPLY SHALL BE DISPERSED THROUGHOUT THE SPACE OR FACILITY CONTAINING DINING SURFACES AND WORK SURFACES.
3. WHERE PROVIDED, CHECK-OUT AISLES, SALES COUNTERS., SERVICE COUNTERS, FOOD SERVICE LINES, QUEUES, AND WAITING LINES SHALL COMPLY




2 DINING AND WORK SURFACES — NTS

REV 4




BENCH BACK SUPPORT AND SEAT HEIGHT

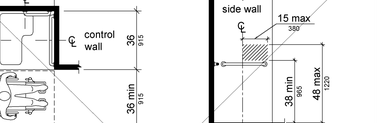
CLEAR FLOOR SPACE AND DIMENSIONS

**NOTES:**

1. CLEAR FLOOR SPACE POSITIONED FOR A PARALLEL APPROACH SHALL BE PROVIDED.
2. BENCHES ALLOWABLE STRESS SHALL NOT BE EXCEEDED FOR MATERIALS USED WHERE A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS IS APPLIED AT ANY POINT ON THE SEAT, FASTENER MOUNDING DEVICE, OR SUPPORTING STRUCTURE.
3. WHERE PROVIDED IN WET LOCATIONS THE SURFACE OF THE SEAT SHALL BE SLIP RESISTANT AND SHALL NOT ACCUMULATE WATER.
4. BENCH SUPPORT SHALL PROVIDE BACK SUPPORT OR SHALL BE AFFIXED TO A WALL.
5. DINING AREAS: IN DINING AREAS, THE TOTAL FLOOR AREA ALLOTTED FOR SEATING AND TABLES SHALL BE ACCESSIBLE.
6. WHERE DINING SURFACES FOR THE CONSUMPTION OF FOOD OR DRINK ARE PROVIDED, AT LEASE 5% BUT NOT LESS THAN ONE, OF THE SEATING AND STANDING SPACES AT THE DINING SURFACES SHALL BE ACCESSIBLE AND BE DISTRIBUTED THROUGHOUT THE FACILITY.

7 SEATS AND BENCHES — NTS

REV 4




Note: inside finished dimensions measured at the center points of opposing sides

TRANSFER TYPE SHOWER COMPARMENTS

TRANSFER TYPE SHOWER COMPARTMENT CONTROL LOCATION

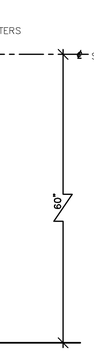
NOT USED

**NOTES:**

1. TRANSFER TYPE SHOWER COMPARTMENTS SHALL BE 36 INCHES BY 36 INCHES CLEAR INSIDE DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 36 INCH WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT. CLEARANCE OF 36 INCHES WIDE MINIMUM BY 48 INCHES LONG MINIMUM MEASURED FROM THE CONTROL WALL SHALL BE PROVIDED.
2. GRAB BARS SHALL BE PROVIDED ACROSS THE CONTROL WALL AND BACK WALL TO A POINT 18 INCHES FROM THE CONTROL WALL. WHERE MULTIPLE GRAB BARS ARE USED THEY SHALL BE INSTALLED AT THE SAME HEIGHT. SEE GRAB BAR DETAIL FOR MORE INFORMATION.
3. FOLDING OR NON-FOLDING SEATS MAY BE USED.
4. THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE SIDE WALL OPPOSITE THE SEAT 38 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE SHOWER FLOOR AND SHALL BE LOCATED ON THE CONTROL WALL 15 INCHES MAXIMUM FROM THE CENTERLINE OF THE SEAT TOWARD THE SHOWER OPENING.

3 TRANSFER TYPE SHOWER COMPARTMENT — NTS

REV 4

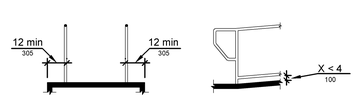



1. CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MIN. AND HAVE A WIDTH TO HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH TO HEIGHT RATIO OF BETWEEN 1:5 AND 1:10. THE MINIMUM CHARACTER HEIGHT SHALL BE 5/8" MIN. AND 2" MAX. AND SANS-SHERIF UPPER CASE.
2. GRADE 2 BRAILLE DOTS SHALL BE 1/10" ON CENTER IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND.
3. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY TO THE RIGHT.

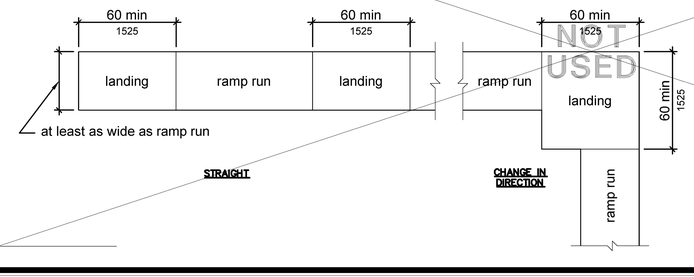
WHERE REQUIRED: TACTILE EXIT SIGNS SHALL BE REQUIRED AT THE FOLLOWING LOCATIONS:

1. EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT WITH THE WORD, "EXIT".
2. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE:
   A. "EXIT STAIRS DOWN"
   B. "EXIT RAMP DOWN"
   C. "EXIT STAIRS UP"
   D. "EXIST RAMP UP"
3. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE".
4. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE".
5. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT SHALL BE IDENTIFIED BY A SIGN WITH THE WORDS, "TO EXIT".

20 EXIT TACTILE SIGN — NTS




EXTENDED FLOOR OR GROUND SURFACE EDGE PROTECTION OR CURB OR BARRIER EDGE PROTECTION




STRAIGHT

CHANGE IN DIRECTION

NOT USED

12 RAMPS — NTS

**NOTES:**

1. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12. EXCEPTION: IN EXISTING SITES, BUILDINGS, AND FACILITIES, RAMPS SHALL BE PERMITTED TO HAVE RUNNING SLOPES STEEPER THAN 1:12 COMPLYING WITH THE FOLLOWING TABLE WHERE SUCH SLOPES ARE NECESSARY DUE TO SPACE LIMITATIONS.

| MAXIMUM RAMP SLOPE AND RISE FOR EXISTING SITES, BUILDINGS, AND FACILITIES | |
|---|---|
| SLOPE | MAXIMUM RISE |
| STEEPER THAN 1:10 BUT NOT STEEPER THAN 1:8 | 3 INCHES |
| STEEPER THAN 1:12 BUT NOT STEEPER THAN 1:10 | 6 INCHES |

2. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48
3. RAMP RUNS SHALL COMPLY WITH FLOOR SURFACES.
4. THE CLEAR WIDTH OF A RAMP RUN SHALL BE 36 INCHES MINIMUM. WHERE HANDRAILS ARE PROVIDED ON THE RAMP RUN THE CLEAR WIDTH SHALL BE MEASURED BETWEEN THE HANDRAILS.
5. THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES MAXIMUM.
6. LANDINGS SHALL HAVE A