ADDISON MARKETPLACE ACCESSIBILITY IMPROVEMENTS

4530 BELTLINE ROAD, ADDISON, TX.

ABBREVIATIONS		
P. AND	I.D INSIDE DIAMETER INSUL INSULATION INT INTERIOR	
& - AND \$\rightarrow\$ - ANGLE \$\text{0}\$ - AT	Jan. — Janitor Jt. — Joint	
C — CENTERLINE O — DIAMETER OR AROUND	KIT. – KITCHEN K.O. – KNOCK OUT	
ANGLE AT C - AT C - CENTERLINE D - DIAMETER OR AROUND H - NUMBER OR POUND P - PLATE OR PROPERTY LINE SQUARE FOOT	LAM. – LAMINATE LAV. – LAVATORY LT. – LIGHT	
— SQUARE FOOT ACOUS. — ACOUSTICAL	MAX. — MAXIMUM	
A.D. — AREA DRAIN ADJ. — ADJUSTABLE	MECH MECHANICAL M.E.P MECHANICAL, ELECTRICAL &	
A.F.F. – ABOVE FINISH FLOOR AGGR. – AGGREGATE	PLUMBING MFR. – MANUFACTURER MIN. – MINIMUM	
ALUM. — ALUMINUM APPROX. — APPROXIMATELY	MISC MISCELLANEOUS M.O MASONRY OPENING	
ARCH. – ARCHITECTURAL	MTD. – MOUNTED MTL. – METAL	
BD. — BOARD BLDG. — BUILDING BM. — BEAM, BENCH MARK	MULL. — MULLION	
B.O.H. — BEAM, BENCH MARK B.O.H. — BOTTOM OF HEADER	N.I.C. — NOT IN CONTRACT NO. — NUMBER N.T.S. — NOT TO SCALE	
CAB. – CABINET CER. – CERAMIC	O.C. — ON CENTER	
C.J. – CONTROL JOINT C.I. – CAST IRON	O.D. – OUTSIDE DIAMETER OFF. – OFFICE	
CLG. — CEILING CLO. — CLOSET C.M.U. — CONCRETE MASONRY UNIT	OPNG. — OPENING OPP. — OPPOSITE	
C.M.U. — CONCRETE MASONRY UNIT COL. — COLUMN CONC. — CONCRETE	PART. – PARTITION PL. – PLATE	
CONN. – CONNECTION CONSTR. – CONSTRUCTION	PLAS. — PLASTER PLYWD. — PLYWOOD	
CONT. — CONTINUOUS	PR. – PAIR PT. – POINT	
C.T. — CERAMIC TILE DBL. — DOUBLE DEPT. — DEPARTMENT DET. — DETAIL DIA. — DIAMETER DIM. — DIMENSION DN. — DOWN DR. — DOOR DWR. — DOOR DWR. — DRAWER DS. — DOWNSPOUT DWG. — DRAWING EA. — EACH	Q.T QUARRY TILE	
DEPT. — DEPARTMENT DET. — DETAIL	r. – Riser Rad. – Radius	
DIA DIAMETER DIM DIMENSION	R.C RISILIENT CHANNEL R.D ROOF DRAIN R.D.L ROOF DRAIN LEADER	
DN DOWN DR DOOR	R.D.L. – ROOF DRAIN LEADER REF. – REFER OR REFERENCE	
DWR. — DRAWER DS. — DOWNSPOUT	RFGR. – REFRIGERATOR REINF. – REINFORCED	
DWG. — DRAWING	req'd. — required Rm. — room	
EA. – EACH E.J. – EXPANSION JOINT	R.O. — ROUGH OPENING R.O.W. — RIGHT OF WAY	
ELEC. — ELECTRICAL ELEC. — ELECTRICAL ELECTRICAL	S.C SOLID CORE SCHED SCHEDULE	
EMER. — EMERGENCY FINCL — FINCLOSURE	Sect. — Section S.F. — Square Feet	
E.P. – ELECTRICAL PANELBOARD FO – FOUAL	SHT. – SHEET SIM. – SIMILAR	
EQUIP. — EQUIPMENT E.W.C. — ELECTRIC WATER COOLER	SPEC. – SPECIFICATION SPED. – SPECIFIED	
EXIST EXISTING EXPO EXPOSED	SQ SQUARE S.S STAINLESS STEEL	
EXP. – EXPANSION EXT. – EXTERIOR	STU. – STANDARD STL. – STEEL	
F.A. – FIRE ALARM	STRUCT STRUCTURAL SIGN - SIGNERING OF CHERENOL	
F.C. – FIRE CODE F.D. – FLOOR DRAIN	T _ TREAD	
F.E.C FIRE EXTINGUISHER F.E.C FIRE EXTINGUISHER CABINET F.C FINICU CRADE	TEL. – TELEPHONE T.&G. – TONGUE & GROOVE	
F.H.C. — FIRE HOSE CABINET FIN. — FINISH	THK. – THICK T.O.C. – TOP OF CURB	
FL FLOOR FLASH FLASHING	T.O.J TOP OF JOIST T.O.P TOP OF PLATE	
FLUOR. — FLUORESCENT F.O.C. — FACE OF CONCRETE	T.O.W TOP OF WALL TYP TYPICAL	
F.O.S. – FACE OF STUD F.P. – FIRE PROTECTION	UNF UNFINISHED	
FT. — FEET OR FOOT FURR. — FURRING	REQ'D. — REQUIRED RM. — ROOM R.O. — ROUGH OPENING R.O.W. — RIGHT OF WAY S.C. — SOLID CORE SCHED. — SCHEDULE SECT. — SECTION S.F. — SQUARE FEET SHT. — SHEET SIM. — SIMILAR SPEC. — SPECIFICATION SPED. — SPECIFICATION SPED. — SPECIFIED SQ. — SQUARE S.S. — STAINLESS STEEL STD. — STEANDARD STL. — STEEL STOR. — STERL STOR. — STEVETURAL SUSP. — SUSPENDED OR SUSPENSION T. — TREAD TEL. — TELEPHONE T.&G. — TONGUE & GROOVE THK. — THICK T.O.C. — TOP OF CURB T.O.J. — TOP OF PLATE T.O.W. — TOP OF WALL TYP. — TYPICAL UNF. — UNFINISHED U.N.O. — UNLESS NOTED OTHERWISE UR. — URINAL V. — VINYL	
FURR. — FURRING GA. — GAGE GALV. — GALVANIZED G.C. — GENERAL CONTRACTOR	V. – VINYL Vert. – Vertical	
G.C. – GENERAL CONTRACTOR GL. – GLASS	VEST VESTIBULE	
GR GRADE GYP.BD GYPSUM BOARD	W/ - WITH W.C WATER CLOSET	
H.B HOSE BIBB	WD WOOD WDW WINDOW W.I.C WALK IN CLOSET	
H.C HOLLOW CORE HDWR HARDWARE	w/o – without	
HDWD HARDWOOD H.M HOLLOW METAL	WP. – WATERPROOF WSCT. – WAINSCOT WT. – WEIGHT	
HORIZ. — HORIZONTAL HR. — HOUR	W.W.F WELDED WIRE FABRIC W.W.M WELDED WIRE MESH	
HT HEIGHT HVAC - HEATING VENTILATION & AIR CONDITIONING	THE THE THE THE	

GENERAL NOTES

GENERAL NOTES:

- 1. The contractor shall examine and become familiar with all contract documents, including all specifications in their entirety. The contractor shall survey the project & become familiar with all existing conditions and scope of work. All costs submitted shall be based on a thorough knowledge of work and materials required. Any discrepancy and or uncertainty as to what material or product is to be used shall be verified with the Owner and or Architect.
- All construction shall comply with the 2009 IBC and all applicable state & local codes.
- 4. The Contractor will be solely responsible for construction means, methods, techniques, sequences, and procedures required for safe execution and completion of work, and for initiating, maintaining and supervising all safety precautions and programs in connection with the work.
- Any errors, ommisions or inconsistencies on these drawings or any variations or ambiguities between these drawings and actual site and construction conditions and/or requirements shall be brought to the attention of the Architect, prior to construction.
- 6. In the event a discrepancy is found in the contract documents, the Owner & Architect shall be notified immediately, prior to construction.
- Contractor shall verify all dimensions in the field and notify the Architect of any discrepancies, prior to
- Contractor shall verify all measurements at site and be responsible for accuracy and correctness of same.
- Contractor shall coordinate his work with all other trades, and notify Owner & Architect of any discrepancies.
- 10. All work and equipment to be fully guaranteed for one (1) year from the date of certificate of occupancy for each building.
- 11. Store materials in spaces designated by Owner.
- 12. Remove rubbish from premises as often as necessary
- 13. All work and equipment shall be cleaned to the satisfaction of the Owner before turning same over to
- 14. Shop drawings shall be submitted to the Architect for approval prior to ordering and installation of any
- 15. The Contractor shall pay all fees, give all notices, file all necessary drawings and obtain all permits and certificates or approval required in connection with all work under these contract documents. The Contractor shall comply with all laws, ordinances, rules and regulations of all authorities having jurisdiction.
- 16. There shall be no deviation from specifications without the written approval of the Owner, Architect and/or Engineer.
- 17. The Contractor shall employ an approved testing laboratory to make all tests for concrete, soil compaction, and welding of steel to insure compliance with plans, standards
- 18. Not used.
- Not Used.
- 20. Not Used.
- Not Used
- 22. Not Used.
- 23. Not Used.

Not Used.

- Not used. 26. Not Used.
- 28. Conventional details shall apply where no special detail or section is shown. The Architect will review any detail clarification submitted by the contractor.
- 29. Not Used
- 30. Construction shall compy with the Texas Accessibility Standards Construction shall comply with the Americans with Disabilities Act.
- 31. Contractor shall not proceed with work over previously installed defective materials and/or workmanship.
- 32. Pipe leaks, construction caused drain and sewer cloggs, water supply stops, wiring fails to carry load, and ductwork separations shall be fully guaranteed for 2 years.

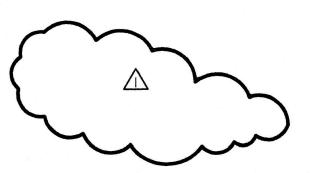
- Do not scale drawings. Written dimensions take precedence. Also larger scale drawings take precedence over smaller scale drawings.
- The G.C. shall see that all subcontractors recieve complete sets of working drawings.
- The Contractor shall visit the site and verify all existing conditions above and below the ceiling prior to submission of bid.
- 36. No substitutions are allowed unless "or equal" is stated, then, the landlord/owner shall review and approve substitutions submitted by the G.C. prior to bid.
- Prior to beginning work, the G.C. shall furnish a construction schedule showing the chronological phases of the work and all related work for the completion of the project.
- The g.c. shall exercise strict dust control over the job to prevent dirt or dust leaving the job site. main return air ducts will be covered during construction w/ blanket filter material supplied by the contractor, dust & air contamination are to be controlled with temproary partitions which are sealed to prevent dust from entering adjacent leased areas.
- During the construction period of existing exits, alarms emergency lighting and fire protective devices shall be maintained.
- All existing items to remain shall be protected throughout construction and cleaned patched and repaired to a "like new" condition.
- All existing fire rated assemblies shall be maintened and thier integrity shall be preserved.
- All materials installed shall comply with the current edition of the local building code.
- All materials installed shall comply with the current edition of the local building code.
- Submit samples of all finishes to the owner for approval prior to construction and installation.
- G.C. to provide owner with two sets of closout documents including: shop drawings, warrenties, owners manuals, submittals and as-built drawings.

CONSTRUCTION NOTES:

1. Extend cleanouts though new construction as needed.



Maintain and repair existing utilities during and after construction. GC to notify Architect of time and date of preconstruction meeting.



CONTACT INFO

OWNERS REPRESENTATIVE: CORNER REAL ESTATE SERVICES INC. 4300 N. CENTRAL EXPRESSWAY, SUITE 255 Dallas, Texas 75206 (214) 219-5620

ARCHITECT: LESTER YOUNG ARCHITECT 6304 Royal Lane Dallas, Texas 75230 (214) 455-7878 Les Young lyoungarch@sbcglobal.net

Judy Davis

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- AO.1 ACCESSIBILITY SHEET
- A0.2 ACCESSIBILITY SHEET AO.3 ACCESSIBILITY SHEET
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- A2 ENLARGED PLANS / SECTIONS
- A3 ENLARGED PLANS / SECTION A4 SECTION
- **PROGRAM**

PROJECT DATA:

1. PROJECT NAME:

ADDISTON MARKET

2. PROJECT DESCRIPTION

3. PROJECT LOCATION

4530 BELTLINE ROAD

RETAIL/RESTAURANT

ADDISON, TEXAS

4. ARCHITECT:

APPROVED FOR

CONSTRUCTION

Town of Addison

APPROVED BY: Land Wille

All responsibility for the adequacy of

these plans remains with the Engineer

who prepared them. In approving these

plans, the Town of Addison makes no

representation of adequacy of the work

of the Design Engineer.

DATE: 12/01/12

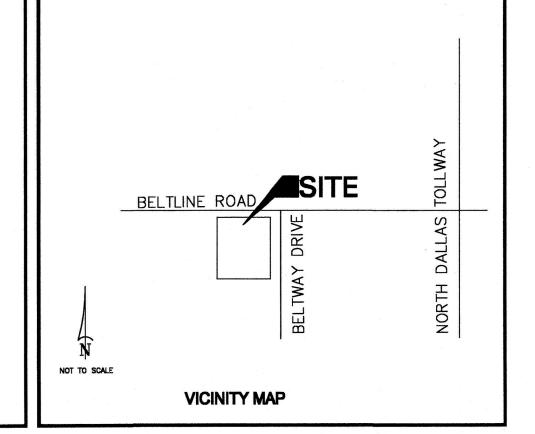
LESTER YOUNG, ARCHITECT 6304 ROYAL LANE

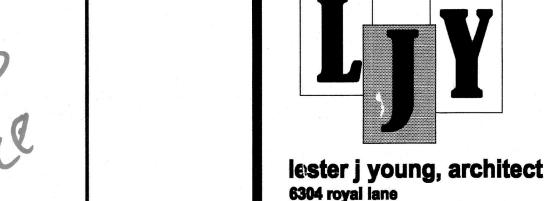
DALLAS, TEXAS 75230

5. GOVERNING CODES

ALL WORK SHALL CONFORM TO ALL APPLICABLE GOVERNING CODES BUT NOT LIMITED TO THE LATEST EDITION OF THE FOLLOWING:

2009 IBC WITH CITY AMMEND. 2009 IMC WITH CITY AMMEND. 2009 IPC WITH CITY AMMEND. 2006 ICC ELECTRIC CODE TEXAS ACCESSIBILITY STANDARDS AMERICANS WITH DISABILITIES ACT





dallas, texas 75230 214.455.7878

Revision **Date** Revision



COVER SHEET

1203 10.22.12 Drawn by Checked by LY

CHAPTER 3: BUILDING BLOCKS

301.1 Scope. The provisions of Chapter 3 shall apply where required by Chapter 2 or where referenced by a requirement in this document.

302 Floor or Ground Surfaces 302.1 General. Floor and ground surfaces shall be stable, firm, and slip resistant and shall comply with

1. Within animal containment areas, floor and ground surfaces shall not be required to be stable, firm,

2. Areas of sport activity shall not be required to comply with 302.

302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be 1/2 inch (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed edge. Carpet edge trim shall comply with 303.

dominant direction of travel -

302.3 Openings. Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long Figure 302.2 Carpet Pile Height dimension is perpendicular to the dominant direction of travel.

303 Changes in Level 303.1 General. Where changes in level are permitted in floor or ground surfaces, they shall comply with 303.

1. Animal containment areas shall not be required to comply with 303. 2. Areas of sport activity shall not be required to comply with

303.2 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical.

303.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2inch (13 mm) high maximum shall be beveled with a slope

not steeper than 1:2. with 405 or 406.

303.4 Ramps. Changes in level greater than 1/2 inch (13 mm) high shall be ramped, and shall comply 304 Turning Space

long dimension perpendicular to

dominant direction of travel -

304.2 Floor or Ground Surfaces. Floor or ground surfaces of a turning space shall comply with 302. Changes in level are not permitted. EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

304.3 Size. Turning space shall comply with 304.3.1 or 304.3.2.

304.1 General. Turning space shall comply with 304.

304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

304.4 Door Swing. Doors shall be permitted to swing into turning spaces. 305 Clear Floor or Ground Space 305.1 General. Clear floor or ground space shall comply with 305. 305.2 Floor or Ground Surfaces. Floor or ground surfaces of a clear floor or ground space shall comply with 302. Changes in level are not permitted. EXCEPTION: Slopes not steeper than 1:48 shall be Figure 304.3.2 T-Shaped 305.3 Size. The clear floor or ground space shall be Turning Space

305.4 Knee and Toe Clearance. Unless otherwise specified, clear floor or ground space shall be permitted to include knee and toe clearance complying with 306.

305.5 Position. Unless otherwise specified, clear floor or ground space shall be positioned for either forward or parallel approach to Figure 305.3 Clear Floor or Ground Space

305.6 Approach. One full unobstructed side of the clear floor or ground space shall adjoin an accessible route or adjoin another clear floor or ground space.

30 inches (760 mm) minimum by 48 inches (1220

305.7 Maneuvering Clearance. Where a clear floor or ground space is located in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearance shall be 30 min provided in accordance with 305.7.1 and

parallel 305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm)wide minimum where the depth Figure 305.5 Position of Clear Floor or Ground Space exceeds 24 inches (610 mm).

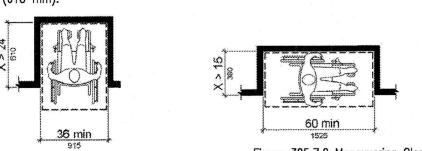


Figure 305.7.2 Maneuvering Clearance Figure 305.7.1 Maneuvering Clearance in an Alcove, Parallel Approach in an Alcove, Forward Approach 305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds

306 Knee and Toe Clearance 306.1 General. Where space beneath an element is included as part of clear floor or ground space or turning space, the space shall comply with 306. Additional space shall not be prohibited beneath an

15 inches (380 mm).

element but shall not be considered as part of the clear floor or ground space or turning space. 306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm)

above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element. 306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.

306.3 Knee Clearance. 306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall

306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the

Figure 306.2 Toe Clearance 306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above

r......

25 max /

Figure 307.2 Limits of Protruding Objects

X > 12

Figure 307.3 Post-Mounted Protruding Objects

36 in (915 mm)

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish or ground, the knee clearance shall be permitted to reduce at a rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.

elevation

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

307 Protruding Objects 307.1 General. Protruding objects shall comply with 307. 307.2 Protrusion Limits. Objects with leading

edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path. EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.

Figure 306.3 Knee Clearance Figure 302.3 Elongated Openings in Floor or Ground Surfaces 307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons Figure 303.3 Beveled Change in Leve and the clear distance between the posts or pylons is greater than 12 inches (305 mm), the lowest edge of such sign or obstruction shall be 27 inches (685 mm) maximum or 80 inches (2030 mm) minimum above the

EXCEPTION: The sloping portions of handrails serving stairs and ramps shall not be required to comply with 307.3. 307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm)

maximum above the finish floor or shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

307.5 Required Clear Width. Protrudina objects shall not reduce the clear width required for accessible routes. 308 Reach Ranges 308.1 General. Reach

ranges shall comply with 308. 308.2 Forward Reach. 308.2.1 Unobstructed. Where a

Figure 308.3.1 Unobstructed Side Reach

Figure 307.4 Vertical Clearance forward reach is unobstructed, the high forward reach shall be 48 inches Children's Reach Ranges (1220 mm) maximum and the low forward reach shall be 15 inches Ages 3 and 4 (380 mm) minimum above the finish Ages 5 through 8 floor or ground.

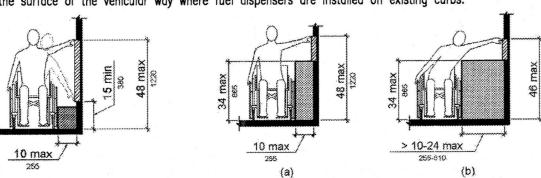
40 in (1015 mm) Ages 9 through 12 44 in (1120 mm) 16 in (405 mm) Figure 308.2.1 Unobstructed

Forward Reach Figure 308.2.2 Obstructed High Forward Reach 308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side clearance. side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

1. An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches (255 mm) maximum.

2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.



308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

1. The top of washing machines and clothes dryers shall be permitted to be 36 inches (915 mm)

2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

309.1 General. Operable parts shall comply with 309.

309.2 Clear Floor Space. A clear floor or ground space complying with 305 shall be provided.

309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in 308.

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) EXCEPTION: Gas pump nozzles shall not be required to provide operable parts that have an activating force of 5 pounds (22.2 N) maximum.

CHAPTER 4: ACCESSIBLE ROUTES

401.1 Scope. The provisions of Chapter 4 shall apply where required by Chapter 2 or where referenced by requirement in this document.

402 Accessible Routes 402.1 General. Accessible routes shall comply with 402.

402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of Chapter 4.

403 Walking Surfaces 403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.

403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302. 403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.

403.4 Changes in Level. Changes in level shall comply with 303.

403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5. EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work

403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, the clear width of walking surfaces shall EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a

that are 48 inches (1220 mm) long minimum and 36 inches (915 mm) wide minimum. 403.5.2 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm)

minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn. EXCEPTION: Where the clear width at the turn is 60 inches (1525 mm) minimum compliance with Figure 403.5.1 Clear Width of an Accessible Route

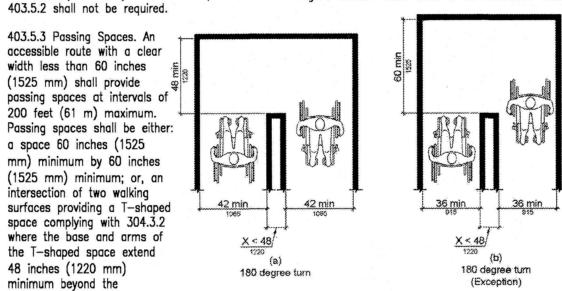


Figure 403.5.2 Clear Width at Turn 403.6 Handrails. Where handrails are provided along walking surfaces with running slopes not steeper than 1:20 they shall comply with 505.

404 Doors, Doorways, and Gates

404.1 General. Doors, doorways, and gates that are part of an accessible route shall comply with 404. EXCEPTION: Doors, doorways, and gates designed to be operated only by security personnel shall not be required to comply with 404.2.7, 404.2.8, 404.2.9, 404.3.2 and 404.3.4 through 404.3.7. 404.2 Manual Doors, Doorways, and Manual Gates. Manual doors and doorways and manual gates intended for user passage shall comply with 404.2.

20 in (510 mm) | 404.2.1 Revolving Doors, Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be 18 in (455 mm) | part of an accessible route.

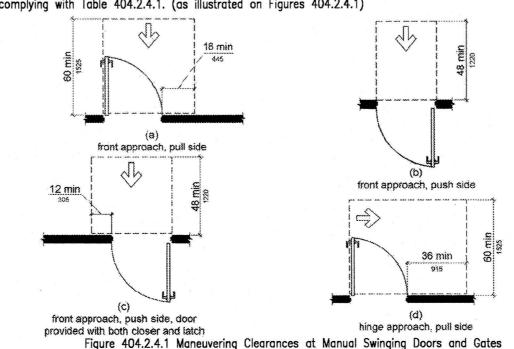
404.2.2 Double-Leaf Doors and Gates. At least one of the active leaves of doorways with two leaves shall comply with 404.2.3 and 404.2.4.

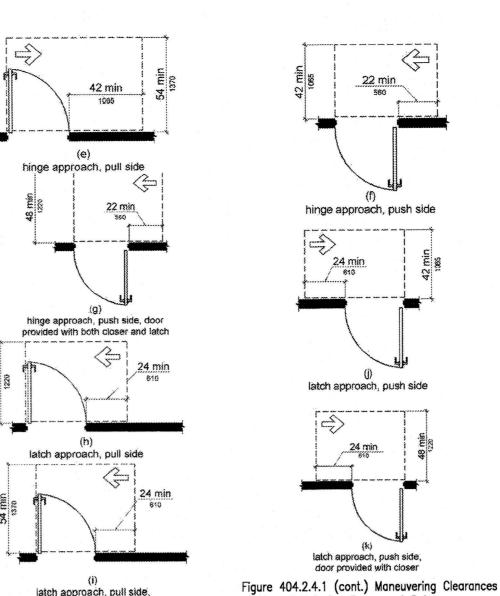
404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not Where sliding doors are in the fully

EXCEPTIONS: 1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be exposed and usable from shall be permitted for the latch side stop. 2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish

404.2.4 Maneuvering Clearances. Minimum maneuvering clearances at doors and gates shall comply with 404.2.4. Maneuvering clearances shall extend the full width of the doorway and the required latch side or hinge sliding door Figure 404.2.3 Clear Width of Doorways

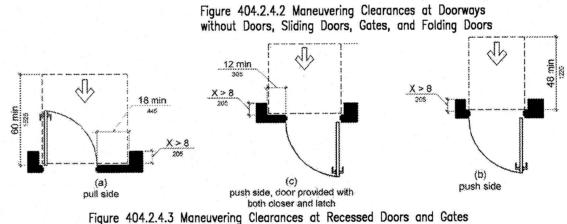
EXCEPTION: Entry doors to hospital patient rooms shall not be required to provide the clearance beyond the latch side of the door. 404.2.4.1 Swinging Doors and Gates. Swinging doors and gates shall have maneuvering clearances complying with Table 404.2.4.1. (as illustrated on Figures 404.2.4.1)





at Manual Swinging Doors and Gates 404.2.4.2 Doorways without Doors or Gates, Sliding Doors, and Folding Doors. Doorways less than 36 inches (915 mm) wide without doors or gates, sliding doors, or folding doors shall have maneuvering

clearances complying with Table 404.2.4.2. (as illustrated on Figure 404.2.4.2) 404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments the latch side of a doorway projects more than 8 inches side approach front approach (205 mm) beyond the face of the door, measured perpendicular to the face of 22 min the door or gate. pocket or hinge approach stop or latch approach



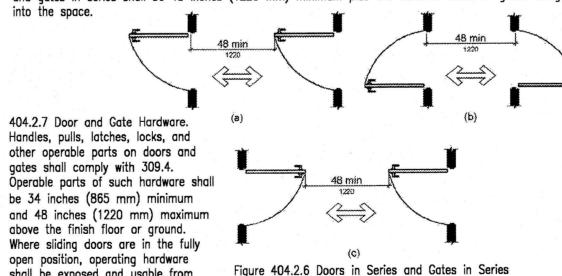
24 min

404.2.4.4 Floor or Ground Surface. Floor or ground surface within required maneuvering clearances shall comply with 302. Changes in level are not permitted.

. Slopes not steeper than 1:48 shall be permitted. 2. Changes in level at thresholds complying with 404.2.5 shall be permitted.

404.2.5 Thresholds, Thresholds, if provided at doorways, shall be 1/2 inch (13 mm) high maximum. Raised thresholds and changes in level at doorways shall comply with 302 and 303. EXCEPTION: Existing or altered thresholds 3/4 inch (19 mm) high maximum that have a beveled edge on each side with a slope not steeper than 1:2 shall not be required to comply with 404.2.5.

404.2.6 Doors in Series and Gates in Series. The distance between two hinged or pivoted doors in series and gates in series shall be 48 inches (1220 mm) minimum plus the width of doors or gates swinging



1. Existing locks shall be permitted in any location at existing glazed doors without stiles, existing overhead rolling doors or grilles, and similar existing doors or grilles that are designed with locks that are activated only at the top or bottom rail. 2. Access gates in barrier walls and fences protecting pools, spas, and hot tubs shall be permitted to

have operable parts of the release of latch on self-latching devices at 54 inches (1370 mm) maximum above the finish floor or ground provided the self-latching devices are not also self-locking devices and operated by means of a key, electronic opener, or integral combination lock.

404.2.8 Closing Speed. Door and gate closing speed shall comply with 404.2.8.

both sides.

404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that from the open position o 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.

404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire 1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.

2. Sliding or folding doors: 5 pounds (22.2 N) maximum. These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extendina the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be **FXCFPTIONS:**

1. Sliding doors shall not be required to comply with 404.2.10. 2. Tempered glass doors without stiles and having a bottom rail or shoe with the top leading edge tapered at 60 degrees minimum from the horizontal shall not be required to meet the 10 inch (255 mm) bottom smooth surface height requirement.

3. Doors and gates that do not extend to within 10 inches (255 mm) of the finish floor or ground shall not be required to comply with 404.2.10. 4. Existing doors and gates without smooth surfaces within 10 inches (255 mm) of the finish floor or around shall not be required to provide smooth surfaces complying with 404.2.10 provided that if added

kick plates are installed, cavities created by such kick plates are capped 404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel

located 43 inches (1090 mm) maximum above the finish floor. EXCEPTION: Vision lights with the lowest part more than 66 inches (1675 mm) from the finish floor or ground shall not be required to comply with 404.2.11.

404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comp 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"

404.3.1 Clear Width. Doorways shall provide a clear opening of 32 inches (815 mm) minimum in power-on and power-off mode. The minimum clear width for automatic door systems in a doorway shall be based on the clear opening provided by all leaves in the open position.

404.3.2 Maneuvering Clearance. Clearances at power-assisted doors and gates shall comply with 404.2.4. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 404.2.4.

EXCEPTION: Where automatic doors and gates remain open in the power-off condition, compliance with 404.2.4 shall not be required.

404.3.3 Thresholds. Thresholds and changes in level at doorways shall comply with 404.2.5. 404.3.4 Doors in Series and Gates in Series. Doors in series and gates in series shall comply with 404.

404.3.5 Controls. Manually operated controls shall comply with 309. The clear floor space adjacent to t control shall be located beyond the arc of the door swing.

404.3.6 Break Out Opening. Where doors and gates without standby power are a part of a means of earess, the clear break out opening at swinging or sliding doors and gates shall be 32 inches (815 mi minimum when operated in emergency mode. EXCEPTION: Where manual swinging doors and gates comply with 404.2 and serve the same means of earess compliance with 404.3.6 shall not be required.

404.3.7 Revolving Doors, Revolving Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.

405.1 General. Ramps on accessible routes shall comply with 405. EXCEPTION: In assembly areas, aisle ramps adjacent to seating and not serving elements required to be

405.2 Slope. 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 Table 405.2 where such slopes are necessary due to space limitations.

Table 405.2 Maximum Ramp Slope and Rise fo	or Existing Sites, Buildings, and Facilities
Slope (A slope steeper than 1:8 is prohibited.)	Maximum Rise
 Steeper than 1:10 but not steeper than 1:8	3 inches (75 mm)
Steeper than 1:12 but not steeper than 1:10	6 inches (150 mm)

405.3 Cross Slope. Cross slope of ramp runs shall not be steeper than 1:48.

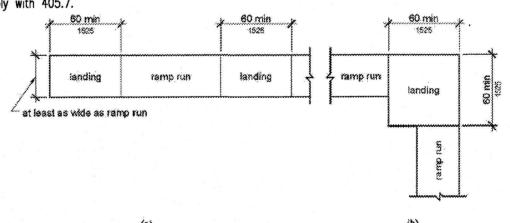
an accessible route shall not be required to comply with 405.

405.4 Floor or Ground Surfaces. Floor or ground surfaces of ramp runs shall comply with 302. Changes in level other than the running slope and cross slope are not permitted on ramp runs.

405.5 Clear Width. The clear width of a ramp run and, where handrails are provided, the clear width between handrails shall be 36 inches (915 mm) minimum. EXCEPTION: Within employee work greas, the required clear width of ramps that are a part of common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.

405.6 Rise. The rise for any ramp run shall be 30 inches (760 mm) maximum.

405.7 Landings, Ramps shall have landings at the top and the bottom of each ramp run. Landings shall comply with 405.7.



405.7.1 Slope. Landings shall comply with 302. Changes in level are not permitted. EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

405.7.2 Width. The landing clear width shall be at least as wide as the widest ramp run leading to the

405.7.3 Length. The landing clear length shall be 60 inches (1525 mm) long minimum.

(1525 mm) minimum.

minimum clear width when handrails are installed.

405.7.4 Change in Direction. Ramps that change directi on between runs at landings shall have a clear landing 60 inches (1525 mm) minimum by 60 inches

405.7.5 Doorways. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by 404.2.4 and 404.3.2 shall be permitted to overlap the required landing area.

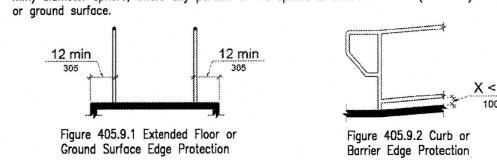
405.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails complying EXCEPTION: Within employee work areas, handrails shall not be required where ramps that are part of common use circulation paths are designed to permit the installation of handrails complying with 505. Ramps not subject to the exception to 405.5 shall be designed to maintain a 36 inch (915 mm)

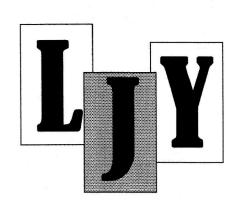
405.9 Edge Protection. Edge protection complying with 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp landings. EXCEPTIO1. Edge protection shall not be required on ramps that are not required to have handrails and have sides complying with 406.3. 2. Edge protection shall not be required on the sides of ramp landings serving an adjoining ramp run

3. Edge protection shall not be required on the sides of ramp landings having a vertical drop-off of inch (13 mm) maximum within 10 inches (255 mm) horizontally of the minimum landing area specified

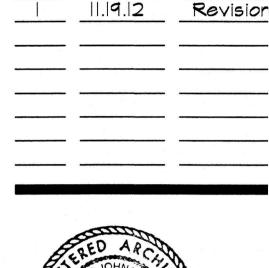
405.9.1 Extended Floor or Ground Surface. The floor or ground surface of the ramp run or landing shall extend 12 inches (305 mm) minimum beyond the inside face of a handrail complying with 505.

405.9.2 Curb or Barrier. A curb or barrier shall be provided that prevents the passage of a 4 inch (100 mm) diameter sphere, where any portion of the sphere is within 4 inches (100 mm) of the finish floor





lester i young, architect 6304 royal lane dallas, texas 75230 214.455.7878



Date





Drawing Number

Checked by LY

curb ramp slope

flared sides 1:10 max slope

ourb ramp

406 Curb Ramps 406.1 General. Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and 405.10. 406.2 Counter Slope. Counter slopes of adjoining gutters and road surfaces immediately adjacent to the

curb ramp shall not be steeper than 1:20. The adjacent surfaces at transitions at curb ramps to walks. gutters, and streets shall be at the same level.

406.3 Sides of Curb Ramps. Where provided, curb ramp flares shall not be steeper than 1:10.

406.4 Landings. Landings shall be provided at the tops of curb ramps. Figure 406.2 Counter Slope of Surfaces Adjacent to Curb Ramps The landing clear length shall be 36 inches (915 mm) minimum. The landing clear width shall be at least as wide as the curb ramp, excluding flared sides. leading to the landing. EXCEPTION: In alterations, where there is no landing at the top of curb ramps.

curb ramp flares shall be provided and shall not be steeper than 1:12. 406.5 Location. Curb ramps and the flared sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access gisles. Curb ramps at marked crossings shall be wholly contained within

the markings, excluding any flared sides. 406.6 Diagonal Curb Ramps. Diagonal or corner type curb ramps with returned curbs Figure 406.4 Landings at the Top of Curb Ramps or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have a clear space 48 inches (1220 mm) minimum outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 48 inches (1220 mm) minimum clear space within the

markings. Diagonal curb ramps with flared sides shall have a segment of curb 24 inches (610 mm) long

minimum located on each side of the curb ramp and within the marked crossing. 406.7 Islands. Raised islands in crossings shall be cut through level with the street or have curb ramps at both sides. Each curb ramp shall have a level area 48 inches (1220 mm) long minimum by 36 inches (915 mm) wide minimum at the top of the curb ramp in the part of the island intersected by the crossings. Each 48 inch (1220 mm) minimum by 36 inch (915 mm) minimum area shall be oriented so that the 48 inch (1220 mm) minimum length is in the direction of the running slope of the curb ramp it serves. The 48 inch (1220 mm) minimum by 36 inch (915 mm) minimum areas and the accessible route shall be

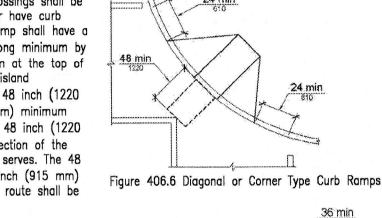


Figure 406.3 Sides of Curb Ramps

permitted to overlap. 407 Elevators 407.1 General. Elevators shall comply with 407 and with ASME A17.1 (incorporated by reference, 40 48 min see "Referenced Standards" in Chapter 1). They shall db be passenger elevators as classified by ASME A17.1. automatic. 407.2 Elevator Landing

Requirements. Elevator cut through at island curb ramp at island landings shall comply with Figure 406.7 Islands in Crossings 407.2.1 Call Controls. Where elevator call buttons or keypads are provided, they shall comply with 407.2.1 and 309.4. Call buttons shall be raised or flush.

407.2.1.1 Height. Call buttons and keypads shall be located within one of the reach ranges specified in 308, measured to the centerline of the highest operable part. EXCEPTION: Existing call buttons and existing keypads shall be permitted to be located at 54 inches (1370) mm) maximum above the finish floor, measured to the centerline of the highest operable part.

407.2.1.2 Size. Call buttons shall be 3/4 inch (19 mm) minimum in the smallest dimension. EXCEPTION: Existing elevator call buttons shall not be required to comply with 407.2.1.2.

EXCEPTION: Existing elevators shall be permitted to have recessed call buttons.

407.2.1.3 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided at call controls.

407.2.1.4 Location. The call button that designates the up direction shall be located c that designates the down direction.

EXCEPTION: Destination-oriented elevators shall not be required to comply with 407.2.1 407.2.1.5 Signals. Call buttons shall have visible signals to indicate when each call is registered and when each call is answered. **EXCEPTIONS:**

1. Destination—oriented elevators shall not be required to comply with 407.2.1.5 provided that visible and audible signals complying with 407.2.2 indicating which elevator car to enter are provided. 2. Existing elevators shall not be required to comply with 407.2.1.5.

407.2.1.6 Keypads. Where keypads are provided, keypads shall be in a standard telephone keypad arrangement and shall comply with 407.4.7.2.

407.2.2 Hall Signals. Hall signals, including in—car signals, shall comply with 407.2.2.

407.2.2.1 Visible and Audible Signals. A 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 be visible from the floor area adjacent to the hall call buttons.

1. Visible and audible signals shall not be required at each destination—oriented elevator where a visible and audible signal complying with 407.2.2 is provided indicating the elevator car designation information. 2. In existing elevators, a signal indicating the direction of car travel shall not be required.

407.2.2.2 Visible Signals. Visible signal fixtures shall be centered at 72 inches (1830 mm) minimum above the finish floor or ground. The visible signal elements shall be 2 1/2 inches (64 mm) minimum measured along the vertical centerline of the element. Signals shall be visible from the floor area adjacent to the hall call button.

EXCEPTIONS: 1. Destination—oriented elevators shall be permitted to have signals visible from the floor area adjacent to the hoistway entrance.

2. Existing elevators shall not be required to comply with 407.2.2.2.

407.2.2.3 Audible Signals. 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 car travel. Audible signals shall have a frequency of 1500 Hz maximum. Verbal annunciators shall have a frequency of 300 Hz minimum and 3000 Hz maximum. The audible signal and verbal annunciator shall be 10 dB minimum above ambient, but shall not exceed 80 dB. measured at the hall call button. **EXCEPTIONS:**

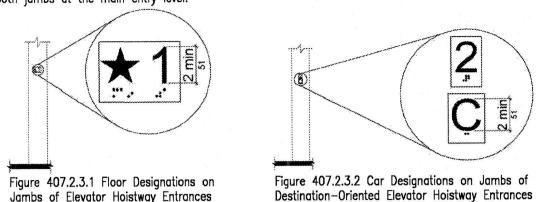
1. Destination—oriented elevators shall not be required to comply with 407.2.2.3 provided that the audible tone and verbal announcement is the same as those given at the call button or Figure 407.2.2.2 Visible Hall Signals

2. Existing elevators shall not be required to comply with the requirements for frequency and dB range of audible signals.

407.2.2.4 Differentiation. Each destination—oriented elevator in a bank of elevators shall have audible and visible means for differentiation.

407.2.3 Hoistway Signs. Signs at elevator hoistways shall comply with 407.2.3.

407.2.3.1 Floor Designation. Floor designations complying with 703.2 and 703.4.1 shall be provided on both jambs of elevator hoistway entrances. Floor designations shall be provided in both tactile characters and braille. Tactile characters shall be 2 inches (51 mm) high minimum. A tactile star shall be provided 407.4.7 Designations and Indicators of Car Controls. Designations and indicators of car controls shall on both jambs at the main entry level.



407.2.3.2 Car Designations. Destination-oriented elevators shall provide tactile car identification complying with 703.2 on both jambs of the hoistway immediately below the floor designation. Car designations shall be provided in both tactile characters and braille. Tactile characters shall be 2 inches (51 mm) high

407.3 Elevator Door Requirements. Hoistway and car doors shall comply with 407.3.

inches (125 mm) nominal and 29 inches (735 mm) nominal above the finish floor.

407.3.1 Type. Elevator doors shall be the horizontal sliding type. Car gates shall be prohibited.

407.3.2 Operation. Elevator hoistway and car doors shall open and close automatically. EXCEPTION: Existing manually operated hoistway swing doors shall be permitted provided that they comply with 404.2.3 and 404.2.9. Car door closing shall not be initiated until the hoistway door is closed.

407.3.3 Reopening Device. Elevator doors shall be provided with a reopening device complying with 407.3.3 407.4.8.1 Visible Indicators. Visible indicators shall comply with 407.4.8.1. that shall stop and reopen a car door and hoistway door automatically if the door becomes obstructed by an object or person.

EXCEPTION: Existing elevators with manually operated doors shall not be required to comply with 407.3.3. 407.3.3.1 Height. The device shall be activated by sensing an obstruction passing through the opening at 5

407.3.3.2 Contact. The device shall not require physical contact to be activated, although contact is permitted to occur before the door reverses.

407.3.3.3 Duration. Door reopening devices shall remain effective for 20 seconds minimum.

407.3.4 Door and Signal Timing. The minimum acceptable time from notification that a car is answering a 407.4.8.2 Audible Indicators. Audible indicators shall comply with 407.4.8.2. call or notification of the car assigned at the means for the entry of destination information until the doors of that car start to close shall be calculated from the following equation:

and D equals the distance (in feet or millimeters) from the point in the lobby or corridor 60 inches (1525 per minute (1 m/s) or less, a non-verbal audible signal with a frequency of 1500 Hz maximum which mm) directly in front of the farthest call button controlling that car to the centerline of its hoistway door. sounds as the car passes or is about to stop at a floor served by the elevator shall be permitted.

1. For cars with in-car lanterns, T shall be permitted to begin when the signal is visible from the point 60 inches (1525 mm) directly in front of the farthest hall call button and the audible signal is sounded. 2. Destination-oriented elevators shall not be required to comply with 407.3.4.

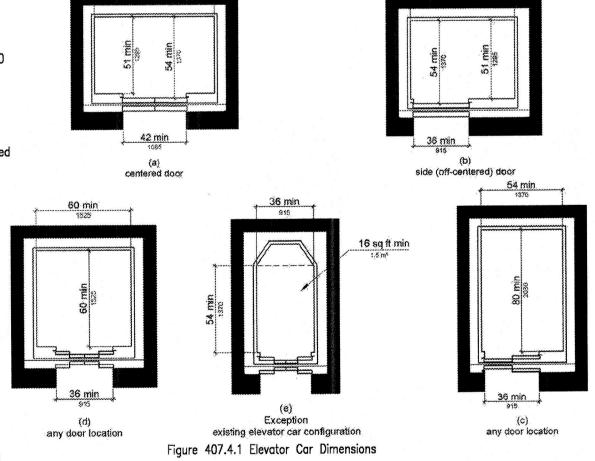
407.3.5 Door Delay. Elevator doors shall remain fully open in response to a car call for 3 seconds

407.3.6 Width. The width of elevator doors shall comply with Table 407.4.1. EXCEPTION: In existing elevators, a power-operated car door complying with 404.2.3 shall be permitted.

407.4 Elevator Car Requirements. Elevator cars shall comply with 407.4.

80 min

with Figure 407.4.1 (Table 407.4.1.). EXCEPTION: Existing elevator car configurations that provide a clear floor area of 16 square feet (1.5 m2) 408.2 Elevator Landings. Landings serving limited—use/limited—application elevators shall comply with 408.2. minimum and also provide an inside clear depth 54 inches (1370 mm) minimum and a clear width 36 inches (915 mm) minimum shall be permitted.



407.4.2 Floor Surfaces. Floor surfaces in elevator cars shall comply with 302 and 303.

407.4.3 Platform to Hoistway Clearance. The clearance between the car platform sill and the edge of any hoistway landing shall be 1 1/4 inch (32 mm) maximum.

407.4.4 Leveling. 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 (13 mm) under rated loading to zero loading conditions.

407.4.5 Illumination. The level of illumination at the car controls, platform, car threshold and car landing comply with 407.4.7. sill shall be 5 foot candles (54 lux) minimum.

407.4.6 Elevator Car Controls. Where provided, elevator car controls shall comply with 407.4.6 and 309.4. EXCEPTION: In existing elevators, where a new car operating panel complying with 407.4.6 is provided, existing car operating panels shall not be required to comply with 407.4.6.

407.4.6.1 Location. Controls shall be located within one of the reach ranges specified in 308.

1. Where the elevator panel serves more than 16 openings and a parallel approach is provided, buttons with floor designations shall be permitted to be 54 inches (1370 mm) maximum above the finish floor. 2. In existing elevators, car control buttons with floor designations shall be permitted to be located 54 inches (1370 mm) maximum above the finish floor where a parallel approach is provided.

407.4.6.2 Buttons. Car control buttons with floor designations shall comply with 407.4.6.2 and shall be raised EXCEPTION: In existing elevators, buttons shall be permitted to be recessed.

407.4.6.2.1 Size. Buttons shall be 3/4 inch (19 mm) minimum in their smallest dimension. 407.4.6.2.2 Arrangement. Buttons shall be arranged with numbers in ascending order. When two or more columns of buttons are provided they shall read from left to right.

407.4.6.3 Keypads. Car control keypads shall be in a standard telephone keypad arrangement and shall

407.4.6.4 Emergency Controls. Emergency controls shall comply with 407.4.6.4.

comply with 407.4.7.2.

407.4.6.4.1 Height. Emergency control buttons shall have their centerlines 35 inches (890 mm) minimum above the finish floor.

407.4.6.4.2 Location. Emergency controls, including the emergency alarm, shall be grouped at the bottom

EXCEPTION: In existing elevators, where a new car operating panel complying with 407.4.7 is provided, existing car operating panels shall not be required to comply with 407.4.7.

407.4.7.1 Buttons. Car control buttons shall comply with 407.4.7.1.

407.4.7.1.1 Type. Control buttons shall be identified by tactile characters complying with 703.2.

the control button to which the designations apply. EXCEPTION: Platform lifts serving two landings maximum and having doors or gates on opposite sides shall EXCEPTION: Where space on an existing car operating panel precludes tactile markings to the left of the controls, markings shall be placed as near to the control as possible. be permitted to have self-closing manual doors or gates.

407.4.7.1.3 Symbols. The control button for the emergency stop, alarm, door open, door close, main floor, and phone, shall be identified with tactile symbols as shown in Table 407.4.7.1.3 (refer to 2010 ADA for table).

407.4.7.1.2 Location. Raised character and braille designations shall be placed immediately to the left of

407.4.7.1.4 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. 407.4.7.2 Keypads. Keypads shall be identified by characters complying with 703.5 and shall be centered on the corresponding keypad button. The number five key shall have a single raised dot. The dot shall be

407.4.8 Car Position Indicators. Audible and visible car position indicators shall be provided in elevator

0.118 inch (3 mm) to 0.120 inch (3.05 mm) base diameter and in other aspects comply with Table

407.4.8.1.1 Size. Characters shall be 1/2 inch (13 mm) high minimum.

407.4.8.1.2 Location. Indicators shall be located above the car control panel or above the door.

407.4.8.1.3 Floor Arrival. 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-oriented elevators shall not be required to comply with 407.4.8.1.3 provided

the visible indicators extinguish when the call has been answered. 407.4.8.1.4 Destination Indicator. In destination-oriented elevators, a display shall be provided in the car with visible indicators to show car destinations.

407.4.8.2.1 Signal Type. The signal shall be an automatic verbal annunciator which announces the floor which the car is about to stop. T = D/(1.5 ft/s) or $T = D/(455 \text{ mm/s}) = 5 \text{ seconds minimum where T equals the total time in seconds EXCEPTION: For elevators other than destination—oriented elevators that have a rated speed of 200 feet$ 407.4.8.2.2 Signal Level. The verbal annunciator shall be 10 dB minimum above ambient, but shall not exceed 80 dB, measured at the annunciator.

407.4.8.2.3 Frequency. The verbal annunciator shall have a frequency of 300 Hz minimum to 3000 Hz

407.4.9 Emergency Communication. Emergency two-way communication systems shall comply with 308. Tactile symbols and characters shall be provided adjacent to the device and shall comply with 703.2.

408 Limited-Use/Limited-Application Elevators

408.1 General. Limited-use/limited-application elevators shall comply with 408 and with ASME A17.1 (incorporated by reference, see "Referenced Standards" in Chapter 1). They shall be passenger elevators as 502.5 Vertical Clearance. Parking spaces for vans and 407.4.1 Car Dimensions, Inside dimensions of elevator cars and clear width of elevator doors shall comply classified by ASME A17.1. Elevator operation shall be automatic.

408.2.1 Call Buttons. Elevator call buttons and keypads shall comply with 407.2.1.

408.2.2 Hall Signals. Hall signals shall comply with 407.2.2.

408.2.3 Hoistway Signs. Signs at elevator hoistways shall comply with 407.2.3.1.

408.3 Elevator Doors. Elevator hoistway doors shall comply with 408.3.

408.3.1 Sliding Doors. Sliding hoistway and car doors shall comply with 407.3.1 through 407.3.3 and

408.3.2 Swinging Doors. Swinging hoistway doors shall open and close automatically and shall comply with 404, 407.3.2 and 408.3.2. 408.3.2.1 Power Operation. Swinging doors shall be power-operated and shall comply with ANSI/BHMA

A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). 408.3.2.2 Duration. Power-operated swinging doors shall remain open for 20 seconds minimum when

408.4 Elevator Cars. Elevator cars shall comply with 408.4.

408.4.1 Car Dimensions and Doors. Elevator cars shall provide a clear width 42 inches (1065 mm) minimum and a clear depth 54 inches (1370 mm) minimum. Car doors shall be positioned at the narrow ends of cars and shall provide 32 inches (815 mm) minimum clear width.

1. Cars that provide a clear width 51 inches (1295 mm) minimum shall be permitted to provide a clear depth 51 inches (1295 mm) minimum provided that car doors provide a clear opening 36 inches (915 mm) wide minimum. 2. Existing elevator cars shall be permitted to provide a clear width 36 inches (915 mm) minimum, clear

depth 54 inches (1370 mm) minimum, and a net clear platform area 15 square feet (1.4 m2) minimum. pull-up space they serve. 408.4.2 Floor Surfaces. Floor surfaces in elevator cars shall comply with 302 and 303.

408.4.3 Platform to Hoistway Clearance. The platform to hoistway clearance shall comply with 407.4.3.

408.4.4 Leveling. Elevator car leveling shall comply with 407.4.4. 408.4.5 Illumination. Elevator car illumination shall comply with 407.4.5.

408.4.6 Car Controls. Elevator car controls shall comply with 407.4.6. Control panels shall be centered on

408.4.7 Designations and Indicators of Car Controls. Designations and indicators of car controls shall

408.4.8 Emergency Communications. Car emergency signaling devices complying with 407.4.9 shall be

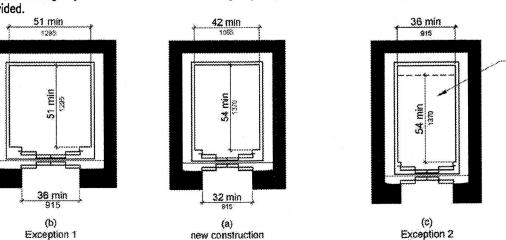


Figure 408.4.1 Limited-Use/Limited-Application (LULA) Elevator Car Dimensions

shall provide unassisted entry and exit from the lift. 410.2 Floor Surfaces. Floor surfaces in platform lifts shall comply with 302 and 303.

reference, see "Referenced Standards" in Chapter 1). Platform lifts shall not be attendant-operated and

410.3 Clear Floor Space. Clear floor space in platform lifts shall comply with 305. 410.4 Platform to Runway Clearance. The clearance between

be 1 inch (32 mm) maximum. 410.5 Operable Parts. Controls for platform lifts shall comply with 309.

the platform sill and the edge of any runway landing shall

410.6 Doors and Gates. Platform lifts shall have low-energy power-operated doors or gates complying with 404.3. Doors Figure 410.6 Platform Lift Doors and shall remain open for 20 seconds minimum. End doors and gates shall provide a clear width 32 inches (815 mm) minimum. Side doors and gates shall provide clear width 42 inches (1065 mm) minimum.

entry CHAPTER 5: GENERAL SITE AND BUILDING ELEMENTS

501.1 Scope. The provisions of Chapter 5 shall apply where required by Chapter 2 or where referenced by a requirement in this document.

discourage parking in them.

410 Platform Lifts

502.1 General. Car and van parking spaces shall comply with 502. Where parking spaces are marked with bottom of the handrail gripping surface. lines, width measurements of parking spaces and access aisles shall be made from the centerline of the EXCEPTIONS: EXCEPTION: Where parking spaces or access aisles are not adjacent to another parking space or access aisle, measurements shall be permitted to include the full width of the line defining the parking space or

502.2 Vehicle Spaces. Car parking spaces shall be 96 inches (2440 mm) wide minimum and van parking spaces shall be 132 inches (3350 mm) wide minimum, shall be marked to define the width, and shall have an adjacent access aisle complying with 502.3. EXCEPTION: Van parking spaces shall be permitted to be 96 inches (2440 mm) wide minimum where the

502.3 Access Aisle. Access aisles serving parking spaces shall comply with 502.3. Access aisles shall adjoin an accessible route. Two parking spaces shall be permitted to share a common access aisle.

access gisle is 96 inches (2440 mm) wide minimum.

502.3.1 Width. Access aisles serving car and van parking spaces shall be 60 inches (1525 mm) wide minimum. 502.3.2 Length. Access aisles shall extend the full length

of the parking spaces they serve. 502.3.3 Marking. Access aisles shall be marked so as to

502.3.4 Location. Access aisles shall not overlap the vehicular way. Access aisles shall be permitted to be placed on either side of the parking space except for angled van parking spaces which shall have access aisles Figure 502.2 Vehicle Parking Spaces

located on the passenger side of the parking spaces. 502.4 Floor or Ground Surfaces. Parking spaces and access aisles serving them shall comply with 302. Access aisles shall be at the same level as the parking spaces they serve. Changes in level are not permitted. EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

access aisles and vehicular routes serving them shall provide a vertical clearance of 98 inches (2490 mm) 502.6 Identification. Parking space identification signs shall

include the International Symbol of Accessibility complying with 703.7.2.1. Signs identifying van parking spaces shall contain the designation "van accessible." Signs shall be 60 inches (1525 mm) minimum above the finish floor or ground surface measured to the bottom of the sign.

Figure 502.3 Parking Space Access Aisle 502.7 Relationship to Accessible Routes. Parking spaces and access aisles shall be designed so that and vans, when parked, cannot obstruct the required clear width of adjacent accessible routes.

503.1 General. Passenger loading zones shall comply with 503.

503.2 Vehicle Pull-Up Space. Passenger loading zones shall provide a vehicular pull-up space 96 inches (2440 mm) wide minimum and 20 feet (6100 mm) long minimum.

503.3 Access Aisle. Passenger loading zones shall provide access aisles complying with 503 adjacent to the vehicle pull-up space. Access aisles shall adjoin an accessible route and shall not overlap the vehicular way. 503.3.1 Width. Access aisles serving vehicle pull-up spaces shall be 60 inches (1525 mm) wide minimum.

503.3.2 Length. Access aisles shall extend the full length of the vehicle pull-up spaces they serve.

503.3.3 Marking. Access aisles shall be marked so as to discourage parking in them. 503.4 Floor and Ground vehicle pull-up space Surfaces. Vehicle pull-up spaces and access aisles serving them shall comply with 302. Access aisles shall be at the same level as the vehicle area to be ----Changes in level are not marked permitted. EXCEPTION: Slopes not steeper than 1:48 shall be permitted. Figure 503.3 Passenger Loading Zone Access Aisle

503.5 Vertical Clearance. Vehicle pull-up spaces, access aisles serving them, and a vehicular route from an entrance to the passenger loading zone, and from the passenger loading zone to a vehicular exit shall provide a vertical clearance of 114 inches (2895 mm) minimum.

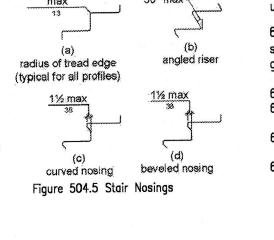
504 Stairways 504.1 General. Stairs shall comply with 504.

depths. Risers shall be 4 inches (100 mm) high minimum and 7 inches (180 mm) high maximum. Treads mm) high minimum and shall be located 5 inches (125 mm) maximum from shall be 11 inches (280 mm) deep minimum.

504.3 Open Risers. Open risers are not permitted. 15 sq ft min

504.4 Tread Surface. Stair treads shall comply with 302. Changes in level are not permitted. EXCEPTION: Treads shall be permitted to have a slope not steeper than 1:48. 504.5 Nosings. The radius of curvature at the leading edge (typical for all profiles)

of the tread shall be 1/2 inch (13 mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 1/2 inches (38 mm) maximum over the tread below.



410.1 General. Platform lifts shall comply with ASME A18.1 (1999 edition or 2003 edition) (incorporated by 504.6 Handrails. Stairs shall have handrails complying with 505.

504.7 Wet Conditions. Stair treads and landings subject to wet conditions shall be designed to prevent the accumulation of water.

505.1 General. Handrails provided along walking surfaces complying with 403, required at ramps complying with 405, and required at stairs complying with 504 shall comply with 505.

505.2 Where Required. Handrails shall be provided on both sides of stairs and ramps. EXCEPTION: In assembly areas, handrails shall not be required on both sides of aisle ramps where a handrail is provided at either side or within the aisle width.

505.3 Continuity. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. EXCEPTION: In assembly areas, handrails on ramps shall not be required to be continuous in aisles serving

505.4 Height. Top of gripping surfaces of handrails ates shall be 34 inches (865 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces. stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. walking surfaces

505.5 Clearance. Clearance between handrail gripping surfaces Figure 505.4 Handrail Height and adjacent surfaces shall be 1 1/2 inches (38 mm) 505.6 Gripping Surface. Handrail gripping surfaces shall be continuous

along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for Figure 505.5 Handrail Clearance more than 20 percent of their length. Where provided, horizontal projections shall occur 1 1/2 inches (38 mm) minimum below the . Where handrails are provided along walking surfaces with slopes not

steeper than 1:20, the bottoms of handrail gripping surfaces shall be Figure 505.6 Horizontal Projection permitted to be obstructed along their entire length where they are Below Gripping Surface integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8 inch (3.2 mm) for each 1/2 inch (13 mm) of additional handrail perimeter

dimension that exceeds 4 inches (100 mm). 505.7 Cross Section. Handrail gripping surfaces shall have a cross section complying with 505.7.1 or

505.7.1 Circular Cross Section. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum. 21/4 max 505.7.2 Non-Circular Cross Sections. Handrail gripping

and 6 1/4 inches (160 mm) maximum, and a cross-section dimension of 2 1/4 inches (57 mm) Figure 505.7.2 Handrail Non-Circular Cross Section 505.8 Surfaces. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or

505.9 Fittings. Handrails shall not rotate within their fittings.

abrasive elements and shall have rounded edges.

surfaces with a non-circular cross section shall have a

perimeter dimension of 4 inches (100 mm) minimum

505.10 Handrail Extensions. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs in accordance with 505.10.

FXCFPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogled stairs and ramps. 2. In assembly areas, extensions shall not be required for ramp handrails in aisles serving seating where

the handrails are discontinuous to provide access to seating and to permit crossovers within aisles. 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration. 505.10.1 Top and Bottom Extension at Ramps. Ramp handrails shall extend horizontally above the landing

for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run. 505.10.2 Top Extension at Stairs. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. Figure 505.10.1 Top and Bottom Handrail 505.10.3 Bottom Extension at Stairs. Extension at Ramps At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing.

Figure 505.10.2 Top Handrail Figure 505.10.3 Bottom Handrail Extension at Stairs Extension at Stairs **CHAPTER 6: PLUMBING ELEMENTS & FACILITIES**

Note: X = tread depth

Figure 602.5 Drinking

601.1 Scope. The provisions of Chapter 6 shall apply where required by Chapter 2 or where referenced by a requirement in this document.

602 Drinking Fountains

Extension shall return to a wall, guard,

or the landing surface, or shall be

continuous to the handrail of an

adjacent stair flight.

601 General

602.1 General. Drinking fountains shall comply with 307 and 602. 602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be

EXCEPTION: A parallel approach complying with 305 shall be permitted at units for children's use where the spout is 30 inches (760 mm) maximum above the finish floor or ground and is 3 1/2 inches (90 mm) maximum from the front edge of the unit, including bumpers.

602.3 Operable Parts. Operable parts shall comply with 309.

602.4 Spout Height. Spout outlets shall be 36 inches (915 mm) maximum above the finish floor or ground.

602.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support

and 5 inches (125 mm) maximum from the front edge of the unit, including bumpers. 504.2 Treads and Risers. All steps on a flight of stairs shall have uniform riser heights and uniform tread 602.6 Water Flow. The spout shall provide a flow of water 4 inches (100 the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3

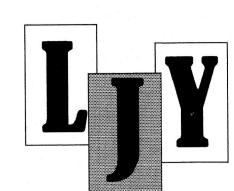
inches (75 mm) and 5 inches (125 mm) maximum from the front of the

unit, the angle of the water stream shall be 15 degrees maximum Fountain Spout Location 602.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or

603 Toilet and Bathing Rooms 603.1 General. Toilet and bathing rooms shall comply with 603.

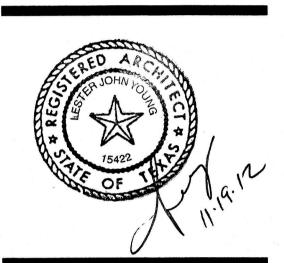
603.2 Clearances. Clearances shall comply with 603.2.

603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.



lester j young, architect 6304 royal lane dallas, texas 75230 214.455.7878

Revision Date 11.19.12 Revision



reject 1203

Drawing Number

Date |0.22.12 Drawn by LY Checked by LY

2010 ADA Standards for Accessible Design for Public Accommodations and Commercial Facilities: Title III

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

701.1 Scope. The provisions of Chapter 7 shall apply where required by Chapter 2 or where referenced by 703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly a requirement in this document. 702 Fire Alarm Systems

702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition).

EXCEPTION: Fire alarm systems in medical care facilities shall be permitted to be provided in accordance with industry practice.

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

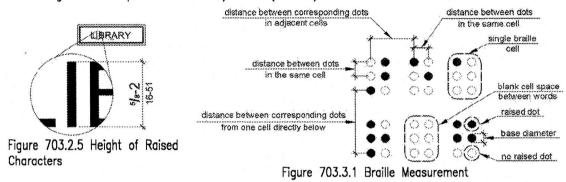
703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "i". EXCEPTION: Where separate raised and visual characters with the same information are provided, raised character height shall be permitted to be 1/2 inch (13 mm) minimum.



703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

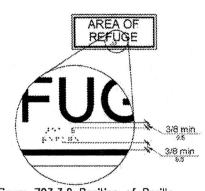
703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and T-LI- 707 7 1 D--: | D:-----

703.3.1 Braille Dimensions
Minimum in Inches to Maximum in Inches
0.059 (1.5 mm) to 0.063 (1.6 mm)
0.090 (2.3 mm) to 0.100 (2.5 mm) measured center to center
0.241 (6.1 mm) to 0.300 (7.6 mm)measured center to center
0.025 (0.6 mm) to 0.037 (0.9 mm)
0.395 (10 mm) to 0.400 (10.2 mm)measured center to center

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements. EXCEPTION: Braille provided on elevator car controls shall be separated 3/16 inch (4.8 mm) minimum and shall be located either directly below or adjacent to the corresponding raised characters or symbols.



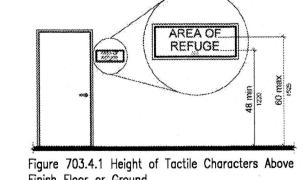


Figure 703.3.2 Position of Braille Finish Floor or Ground 703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

EXCEPTION: Tactile characters for elevator car controls shall not be required to comply with 703.4.1. 703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile tactile characters sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there

Figure 703.4.2 Location of is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest Tactile Signs at Doors adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position. EXCEPTION: Signs with tactile characters shall be permitted on the push side of doors with closers and without hold-open devices.

703.5 Visual Characters. Visual characters shall comply with 703.5. EXCEPTION: Where visual characters comply with 703.2 and are accompanied by braille complying with 703.3, they shall not be required to comply with 703.5.2 through 703.5.9.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "0" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "1".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

Table 703.5.5 Visual Character Height

	7001010 YIBBUT BITATURE THOUGHT	
Height to Finish Floor or Ground From Baseline of Character	Horizontal Viewing Distance	Minimum Character Height
40 inches (1015 mm) to less	less than 72 inches (1830 mm)	5/8 inch (16 mm)
than or equal to 70 inches (1780 mm)	72 inches (1830 mm) and greater	5/8 inch (16 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 72 inches (1830 mm)
Greater than 70 inches (1780	less than 180 inches (4570 mm)	2 inch (51 mm)
mm) to less than or equal to 120 inches (3050 mm)	180 inches (4570 mm) and greater	2 inches (51 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 180 inches (4570 mm)
Greater than 120 inches	less than 20 feet (6400 mm)	3 inch (75 mm)
(3050 mm)	21 feet (6400 mm) and greater	3 inches (75 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 21 feet (6400 mm)

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum

FXCFPTION: Visual characters indicating elevator car controls shall not be required to comply with 703.5.6. 703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 3

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacen characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 706.6 Peak Clipping Level. Peak clipping shall not exceed 18 dB of clipping relative to the peaks of 35 percent maximum of character height.

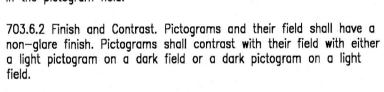
703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall 707 Automatic Teller Machines and Fare Machines be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6

percent maximum of the height of the character.

inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field. 703.6.2 Finish and Contrast. Pictograms and their field shall have a



703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4.

703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7

703.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background.

703.7.2 Symbols.

703.7.2.1 International Symbol of Accessibility. The International Symbol of Accessibility shall comply with

703.7.2.2 International Symbol of TTY. The International Symbol of TTY shall comply with Figure 703.7.2.2.

3. Where speech synthesis cannot be supported, dynamic alphabetic output shall not be required to be 703.7.2.3 Volume Control Telephones. Telephones with a volume control shall be identified by a pictogram of a telephone handset with radiating sound waves on a square field such as shown in Figure 703.7.2.3.

703.7.2.4 Assistive Listening Systems. Assistive listening systems shall be identified by the International Symbol of Access for Hearing Loss complying with Figure 703.7.2.4.









Access for Hearing Loss

MEN-not in

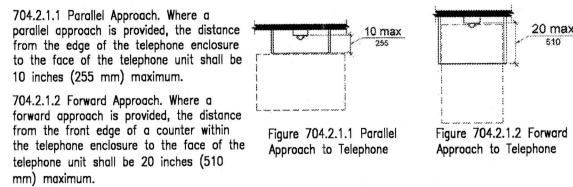
Figure 703.6.1 Pictogram Field

Figure 703.7.2.2 International Symbol of Control Telephone

704.1 General. Public telephones shall comply with 704.

704.2 Wheelchair Accessible Telephones. Wheelchair accessible telephones shall comply with 704.2.

704.2.1 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided. The clear floor or ground space shall not be obstructed by bases enclosures, or seats.



where such service is available. 704.2.3 Telephone Directories. Telephone directories, where provided, shall be located in accordance with

704.2.4 Cord Length. The cord from the telephone to the handset shall be 29 inches (735 mm) long

704.3 Volume Control Telephones. Public telephones required to have volume controls shall be equipped with a receive volume control that provides a gain adjustable up to 20 dB minimum. For incremental volume control, provide at least one intermediate step of 12 dB of gain minimum. An automatic reset

704.4 TTYs. TTYs required at a public pay telephone shall be permanently affixed within, or adjacent to, th telephone enclosure. Where an acoustic coupler is used, the telephone cord shall be sufficiently long to allow connection of the TTY and the telephone receiver.

704.4.1 Height. When in use, the touch surface of TTY keypads shall be 34 inches (865 mm) minimum EXCEPTION: Where seats are provided, TTYs shall not be required to comply with 704.4.1.

704.5 TTY Shelf. Public pay telephones required to accommodate portable TTYs shall be equipped with a shelf and an electrical outlet within or adjacent to the telephone enclosure. The telephone handset shall be capable of being placed flush on the surface of the shelf. The shelf shall be capable of accommodating a 801 General TTY and shall have 6 inches (150 mm) minimum vertical clearance above the area where the TTY is to be

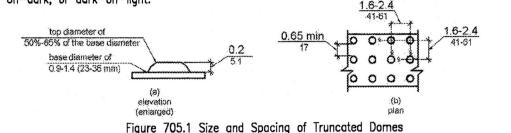
705 Detectable Warnings

705.1 General. Detectable warnings shall consist of a surface of truncated domes and shall comply with

705.1.1 Dome Size. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inch (23 mm) minimum and 1.4 inches (36 mm) maximum, a top diameter of 50 percent of the base diameter minimum to 65 percent of the base diameter maximum, and a height of 0.2 inch (5.1 mm).

705.1.2 Dome Spacing. Truncated domes in a detectable warning surface shall have a center—to—center spacing of 1.6 inches (41 mm) minimum and 2.4 inches (61 mm) maximum, and a base-to-base spacing of 0.65 inch (17 mm) minimum, measured between the most adjacent domes on a square grid. (840 mm) wide minimum.

705.1.3 Contrast. Detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light.



705.2 Platform Edges. Detectable warning surfaces at platform boarding edges shall be 24 inches (610 mm) wide and shall extend the full length of the public use areas of the platform.

706.1 General. Assistive listening systems required in assembly areas shall comply with 706.

706.2 Receiver Jacks. Receivers required for use with an assistive listening system shall include a 1/8 inch (3.2 mm) standard mono jack.

706.3 Receiver Hearing-Aid Compatibility. Receivers required to be hearing-aid compatible shall interface with telecoils in hearing aids through the provision of neckloops.

706.4 Sound Pressure Level. Assistive listening systems shall be capable of providing a sound pressure level of 110 dB minimum and 118 dB maximum with a dynamic range on the volume control of 50 dB.

706.5 Signal-to-Noise Ratio. The signal-to-noise ratio for internally generated noise in assistive listening 802.2.1.2 Lines of Sight Between Heads. Where spectators are provided lines of sight over the shoulders systems shall be 18 dB minimum.

707.1 General. Automatic teller machines and fare machines shall comply with 707.

707.2 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided. EXCEPTION: Clear floor or ground space shall not be required at drive-up only automatic teller machines and fare machines.

707.3 Operable Parts. Operable parts shall comply with 309. Unless a clear or correct key is provided, each operable part shall be able to be differentiated by sound or touch, without activation. EXCEPTION: Drive-up only automatic teller machines and fare machines shall not be required to comply with 309.2 and 309.3.

707.4 Privacy. Automatic teller machines shall provide the opportunity for the same degree of privacy of input and output available to all individuals.

707.5 Speech Output. Machines shall be speech enabled. Operating instructions and orientation, visible be accessible to and independently usable by individuals with vision impairments. Speech shall be delivered afforded lines of sight over the heads of standing spectators in the first row in front of wheelchair spaces. through a mechanism that is readily available to all users, including but not limited to, an industry standard connector or a telephone handset. Speech shall be recorded or digitized human, or synthesized.

purposes, including but not limited to asterisks representing personal identification numbers. 2. Advertisements and other similar information shall not be required to be audible unless they convey

1. Audible tones shall be permitted instead of speech for visible output that is not displayed for security

707.5.1 User Control. Speech shall be capable of being repeated or interrupted. Volume control shall be provided for the speech function. EXCEPTION: Speech output for any single function shall be permitted to be automatically interrupted when a transaction is selected.

707.5.2 Receipts. Where receipts are provided, speech output devices shall provide audible balance inquiry information, error messages, and all other information on the printed receipt necessary to complete or verify the transaction. EXCEPTIONS:

1. Machine location, date and time of transaction, customer account number, and the machine identifier shall not be required to be audible. 2. Information on printed receipts that duplicates information available on-screen shall not be required to 802.3.1 Alignment. In row seating, companion seats shall be located to provide shoulder alignment with be presented in the form of an audible receipt.

707.6 Input. Input devices shall comply with 707.6. 707.6.1 Input Controls. At least one tactilely discernible input control shall be provided for each function. Where provided, key surfaces not on active areas of display screens, shall be raised above surrounding surfaces. Where membrane keys are the only

3. Printed copies of bank statements and checks shall not be required to be audible.

method of input, each shall be tactilely discernable from

12-kev 12-kev ascending descending 12-key ascending or descending telephone keypad layout. The Figure 707.6.2 Numeric Key Layout number five key shall be tactilely distinct from the other keys.

707.6.3 Function Keys. Function keys shall comply with 707.6.3.

707.6.2 Numeric Keys. Numeric keys shall be arranged in a

surrounding surfaces and adjacent keys.

708 Two-Way Communication Systems

information that can be used in the transaction being conducted.

707.6.3.1 Contrast. Function keys shall contrast visually from background surfaces. Characters and symbols 803.2 Turning Space. Turning space complying with 304 shall be provided within the room. on key surfaces shall contrast visually from key surfaces. Visual contrast shall be either light-on-dark or EXCEPTION: Tactile symbols required by 707.6.3.2 shall not be required to comply with 707.6.3.1.

707.6.3.2 Tactile Symbols. Function key surfaces shall have tactile symbols as follows: Enter or Proceed key: raised circle; Clear or Correct key: raised left arrow; Cancel key: raised letter ex; Add Value key: 704.2.2 Operable Parts. Operable parts shall comply with 309. Telephones shall have push-button controls raised plus sign; Decrease Value key: raised minus sign.

> 707.7 Display Screen. The display screen shall comply with 707.7. EXCEPTION: Drive-up only automatic teller machines and fare machines shall not be required to comply

707.7.1 Visibility. The display screen shall be visible from a point located 40 inches (1015 mm) above the center of the clear floor space in front of the machine.

707.7.2 Characters. Characters displayed on the screen shall be in a sans serif font. Characters shall be 3/16 inch (4.8 mm) high minimum based on the uppercase letter "I". Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

707.8 Braille Instructions. Braille instructions for initiating the speech mode shall be provided. Braille shall

708.2 Audible and Visual Indicators. The system shall provide both audible and visual signals. 708.3 Handsets. Handset cords, if provided, shall be 29 inches (735 mm) long minimum.

708.1 General. Two-way communication systems shall comply with 708.

CHAPTER 8: SPECIAL ROOMS. SPACES AND ELEMENTS

801.1 Scope. The provisions of Chapter 8 shall apply where required by Chapter 2 or where referenced by a requirement in this document.

802 Wheelchair Spaces, Companion Seats, and Designated Aisle Seats 802.1 Wheelchair Spaces. Wheelchair spaces shall comply with 802.1.

802.1.1 Floor or Ground Surface. The floor or ground surface of wheelchair spaces shall comply with 302. Changes in level are not permitted. EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

802.1.2 Width. A single wheelchair space shall be 36 inches (915 mm) wide minimum Where two adjacent wheelchair spaces are provided, each wheelchair space shall be 33 inches can be entered from the front or rear, the wheelchair space shall be 48 inches (1220 two spaces single space Figure 802.1.2 Width of Wheelchair Spaces in Assembly Areas space can be entered only from the side,

802.1.4 Approach. Wheelchair spaces shall adjoin accessible routes. Accessible routes shall not overlap wheelchair spaces. 802.1.5 Overlap. Wheelchair spaces shall not overlap circulation paths.

802.1.3 Depth. Where a wheelchair space

mm) deep minimum. Where a wheelchair

the wheelchair space shall be 60 inches

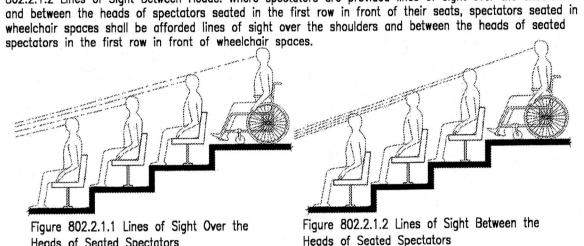
Heads of Seated Spectators

(1525 mm) deep minimum.

802.2 Lines of Sight. Lines of sight to the front or real screen, performance area, or playing field for spectators in wheelchair spaces shall Figure 802.1.3 Depth of Wheelchair Spaces in Assembly Areas

802.2.1.1 Lines of Sight Over Heads. Where spectators are provided lines of sight over the heads of spectators seated in the first row in front of their seats, spectators seated in wheelchair spaces shall be afforded lines of sight over the heads of seated spectators in the first row in front of wheelchair spaces.

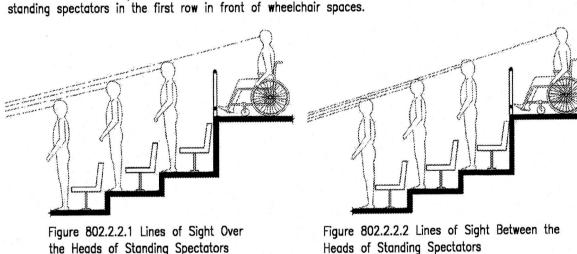
spectators in wheelchair spaces shall be afforded lines of sight complying with 802.2.1.



802.2.2 Lines of Sight Over Standing Spectators. Where spectators are expected to stand during events, spectators in wheelchair spaces shall be afforded lines of sight complying with 802.2.2.

802.2.2.1 Lines of Sight Over Heads. Where standing spectators are provided lines of sight over the heads o transaction prompts, user input verification, error messages, and all displayed information for full use shall spectators standing in the first row in front of their seats, spectators seated in wheelchair spaces shall be

> 802.2.2.2 Lines of Sight Between Heads. Where standing spectators are provided lines of sight over the shoulders and between the heads of spectators standing in the first row in front of their seats, spectators seated in wheelchair spaces shall be afforded lines of sight over the shoulders and between the heads of 804.3.2 Height. The kitchen work surface shall be 34 inches (865 mm) maximum above the finish floor



the Heads of Standing Spectators 802.3 Companion Seats. Companion seats shall comply with 802.3.

adjacent wheelchair spaces. The shoulder alignment point of the wheelchair space shall be measured 36 inches (915 mm) from the front of the wheelchair space. The floor surface of the companion seat shall be at the same elevation as the floor surface of the wheelchair space.

802.3.2 Type. Companion seats shall be equivalent in size, quality, comfort, and amenities to the seating in the immediate area. Companion seats shall be permitted to be movable.

802.4 Designated Aisle Seats. Designated aisle seats shall comply with 802.4.

802.4.1 Armrests. Where armrests are provided on the seating in the immediate area, folding or retractable armrests shall be provided on the aisle side of the seat.

802.4.2 Identification. Each designated aisle seat shall be identified by a sign or marker.

803 Dressing, Fitting, and Locker Rooms 803.1 General. Dressing, fitting, and locker rooms shall comply with 803.

803.3 Door Swing. Doors shall not swing into the room unless a clear floor or ground space complying

with 305.3 is provided beyond the arc of the door swing. 803.4 Benches. A bench complying with 903 shall be provided within the room.

803.5 Coat Hooks and Shelves. Coat hooks provided within the room shall be located within one of the reach ranges specified in 308. Shelves shall be 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground.

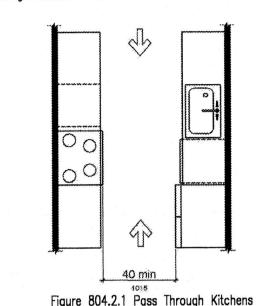
804.1 General. Kitchens and kitchenettes shall comply with 804.

804 Kitchens and Kitchenettes

804.2 Clearance. Where a pass through kitchen is provided, clearances shall comply with 804.2.1. Where U-shaped kitchen is provided, clearances shall comply with 804.2.2. EXCEPTION: Spaces that do not provide a cooktop or conventional range shall not be required to comply

Advisory 804.2 Clearance. Clearances are measured from the furthest projecting face of all opposing base cabinets, counter tops, appliances, or walls, excluding hardware.

804.2.1 Pass Through Kitchen. In pass through kitchens where counters, appliances or cabinets are on opposing sides, or where counters, appliances or cabinets are opposite a parallel wall, clearance between all opposing base cabinets, counter tops, appliances, or walls within kitchen work areas shall be 40 inches (1015 mm) minimum. Pass through kitchens shall have two entries.



,804.2.2 U-Shaped. In U-shaped kitchens enclosed on three contiguous sides, clearance between all 802.2.1 Lines of Sight Over Seated Spectators. Where spectators are expected to remain seated during events opposing base cabinets, counter tops, appliances, or walls within kitchen work areas shall be 60 inches (1525 mm) minimum.

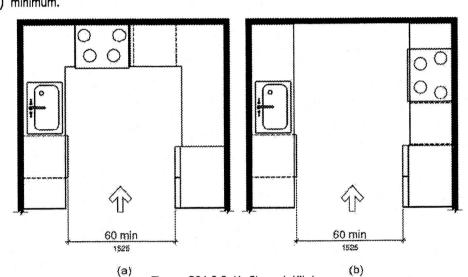


Figure 804.2.2 U-Shaped Kitchens 804.3 Kitchen Work Surface. In residential dwelling units required to comply with 809, at least one 30 inches (760 mm) wide minimum section of counter shall provide a kitchen work surface that complies

804.3.1 Clear Floor or Ground Space. A clear floor space complying with 305 positioned for a forward approach shall be provided. The clear floor or ground space shall be centered on the kitchen work surface and shall provide knee and toe clearance complying with 306. EXCEPTION: Cabinetry shall be permitted under the kitchen work surface provided that all of the following

(a) the cabinetry can be removed without removal or replacement of the kitchen work surface; (b) the finish floor extends under the cabinetry; and

(c) the walls behind and surrounding the cabinetry are finished. EXCEPTION: A counter that is adjustable to provide a kitchen work surface at variable heights, 29 inches

804.3.3 Exposed Surfaces. There shall be no sharp or abrasive surfaces under the work surface 804.4 Sinks. Sinks shall comply with 606.

804.5 Storage. At least 50 percent of shelf space in storage facilities shall comply with 811.

(735 mm) minimum and 36 inches (915 mm) maximum, shall be permitted.

804.6 Appliances. Where provided, kitchen appliances shall comply with 804.6. 804.6.1 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided at each kitchen appliance. Clear floor or ground spaces shall be permitted to overlap.

804.6.2 Operable Parts. All appliance controls shall comply with 309. 1. Appliance doors and door latching devices shall not be required to comply with 309.4.

2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with

804.6.3 Dishwasher. Clear floor or ground space shall be positioned adjacent to the dishwasher door. The

dishwasher door, in the open position, shall not obstruct the clear floor or around space for the dishwasher or the sink. 804.6.4 Range or Cooktop. Where a forward approach is provided, the clear floor or ground space shall provide knee and toe clearance complying with 306. Where knee and toe space is provided, the

underside of the range or cooktop shall be insulated or otherwise configured to prevent burns, abrasions,

804.6.5 Oven. Ovens shall comply with 804.6.5. 804.6.5.1 Side-Hinged Door Ovens. Side-hinged door ovens shall have the work surface required by 804.3 positioned adjacent to the latch side of the oven door.

or electrical shock. The location of controls shall not require reaching across burners.

804.6.5.2 Bottom—Hinged Door Ovens. Bottom—hinged door ovens shall have the work surface required by 804.3 positioned adjacent to one side of the door.

804.6.5.3 Controls. Ovens shall have controls on front panels.

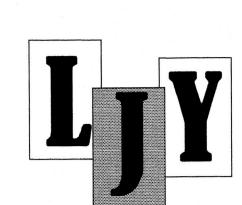
804.6.6 Refrigerator/Freezer. Combination refrigerators and freezers shall have at least 50 percent of the freezer space 54 inches (1370 mm) maximum above the finish floor or ground. The clear floor or ground space shall be positioned for a parallel approach to the space dedicated to a refrigerator/freezer with the centerline of the clear floor or ground space offset 24 inches (610 mm) maximum from the centerline of the dedicated space.

805 Medical Care and Long-Term Care Facilities 805.1 General. Medical care facility and long—term care facility patient or resident sleeping rooms

required to provide mobility features shall comply with 805. 805.2 Turning Space. Turning space complying with 304 shall be provided within the room.

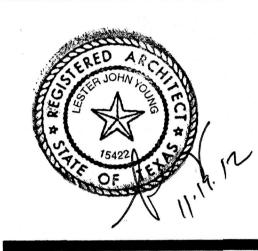
805.3 Clear Floor or Ground Space. A clear floor space complying with 305 shall be provided on each

side of the bed. The clear floor space shall be positioned for parallel approach to the side of the bed. 805.4 Toilet and Bathing Rooms. Toilet and bathing rooms that are provided as part of a patient or resident sleeping room shall comply with 603. Where provided, no fewer than one water closet, one layatory, and one bathtub or shower shall comply with the applicable requirements of 603 through 610.



lester j young, architect 6304 royal lane dallas, texas 75230 214.455.7878

Revision Date 11.19.12 Revision



Project 1203

Date |0.22.12 Drawn by LY Checked by LY

I. GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO PROCEEDING.

2. GENERAL CONTRACTOR SHALL VERIFY ALL MFR. INSTALLATION REQUIREMENTS, DIMENSIONS OF ALL FIXTURES AND APPLICANCES PRIOR TO CONSTRUCTION.

3. DRAWINGS DEPICT ARCHITECT'S UNDERSTANDING OF EXISTING CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCY BETWEEN DRAWINGS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

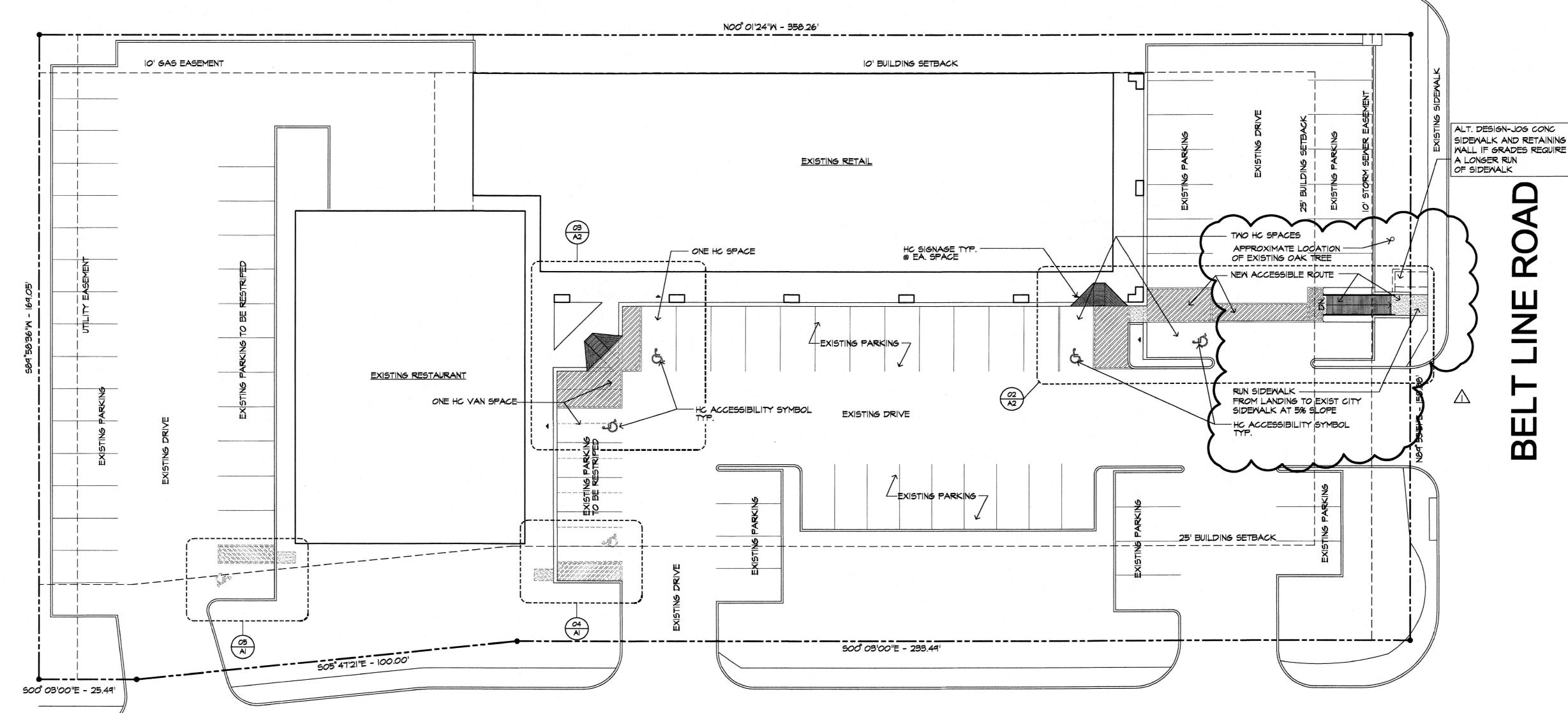
4. PEEER TO ACCESSIBILITY NOTES ON SHEET AO.I AND AO.2

5. IF ANY TREE ROOTS NEED TO BE REMOVED, MAKE CLEAN CUTS TO ROOT.

6. REWORK IRRIGATION SYSTEM AS NEEDED, PROVIDE SLEEVES UNDER NEW CONCRETE.

I. CONCRETE FOR HANDICAP RAMP SLABS AND BEAMS SHALL BE F'C = 3,000 PSI NORMAL WEIGHT

- 2. PROVIDE A 3/4" CHAMFER AT ALL EXPOSED EDGES OF THE HANDICAP RAMP.
- 3. PROVIDE GRADE 60 REINFORCEMENT FOR ALL HANDICAP RAMP SLABS AND BEAMS.
- 4. CLEAN ALL FORMS WITH A WIRE BRUSH BEFORE PLACING CONCRETE



NOTES:

I. GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES

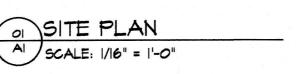
AND IN ACCESSIBLE ROOMS AND SPACES INCLUDING FLOORS, WALKS,

RAMPS, AND CURB RAMPS, SHALL BE STABLE, FIRM, SLIP-RESISTANT,

AND SHALL COMPLY WITH 4.5

2. OBJECTS PROJECTING FROM WALLS WITH THIER LEADING EDGES BETWEEN 27" AND 80" ABOVE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4" INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES. OBJECTS MOUNTED WITH THIER LEADING EDGEES AT OR BELOW 27" ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT. SEE SECTION 4.4.1 ON SHEET TOOS AND TOO4.

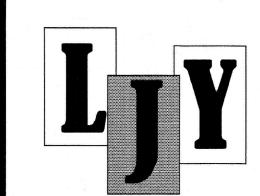
BELTWAY DRIVE



OWNER OR OWNER'S REP TO CONFIRM ALLOWABLE DEVIATIONS IN EXISTING

CONCRETE SLOPE - NOTIFY ARCHITECT

AND CONTRACTOR



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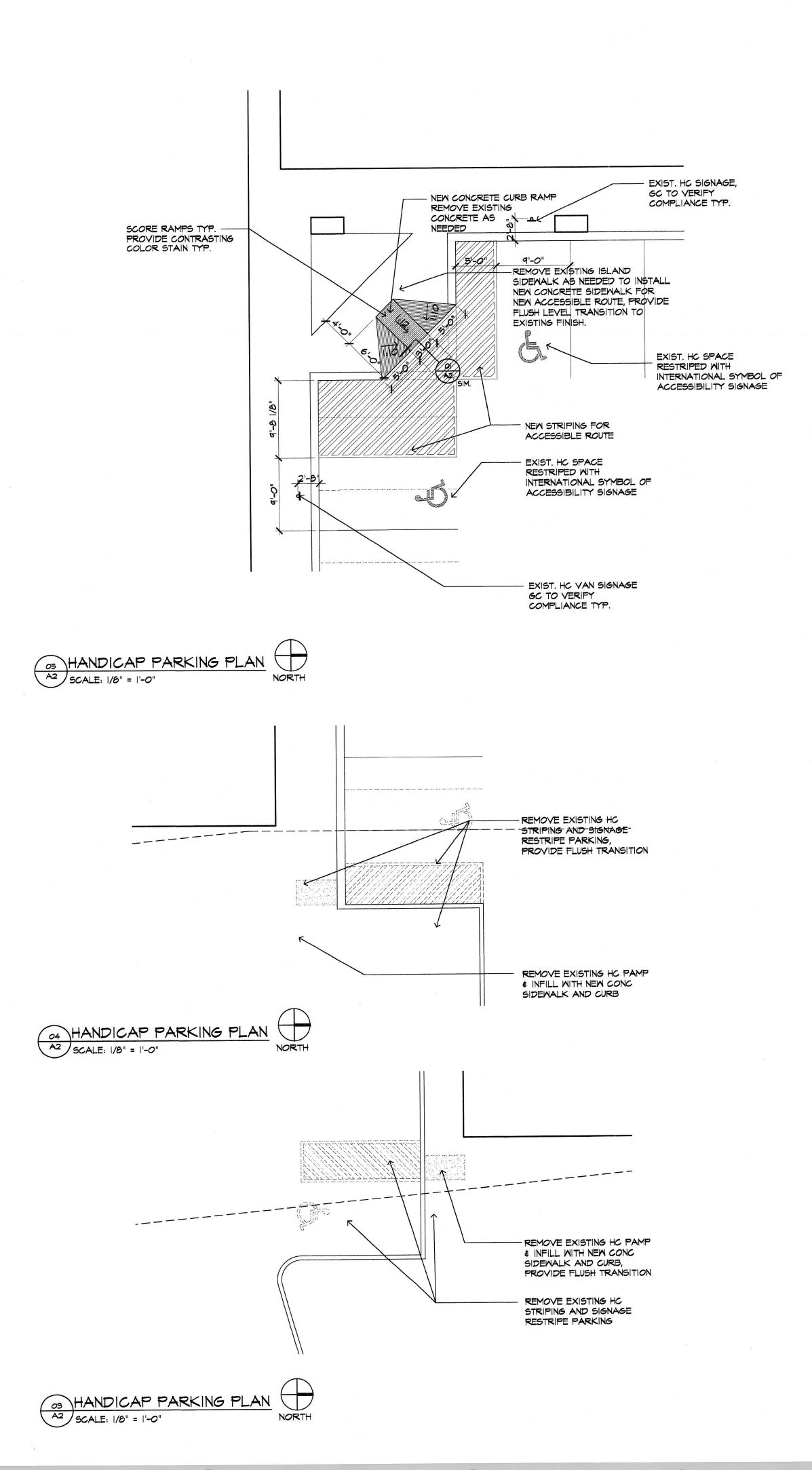
SITE PLAN

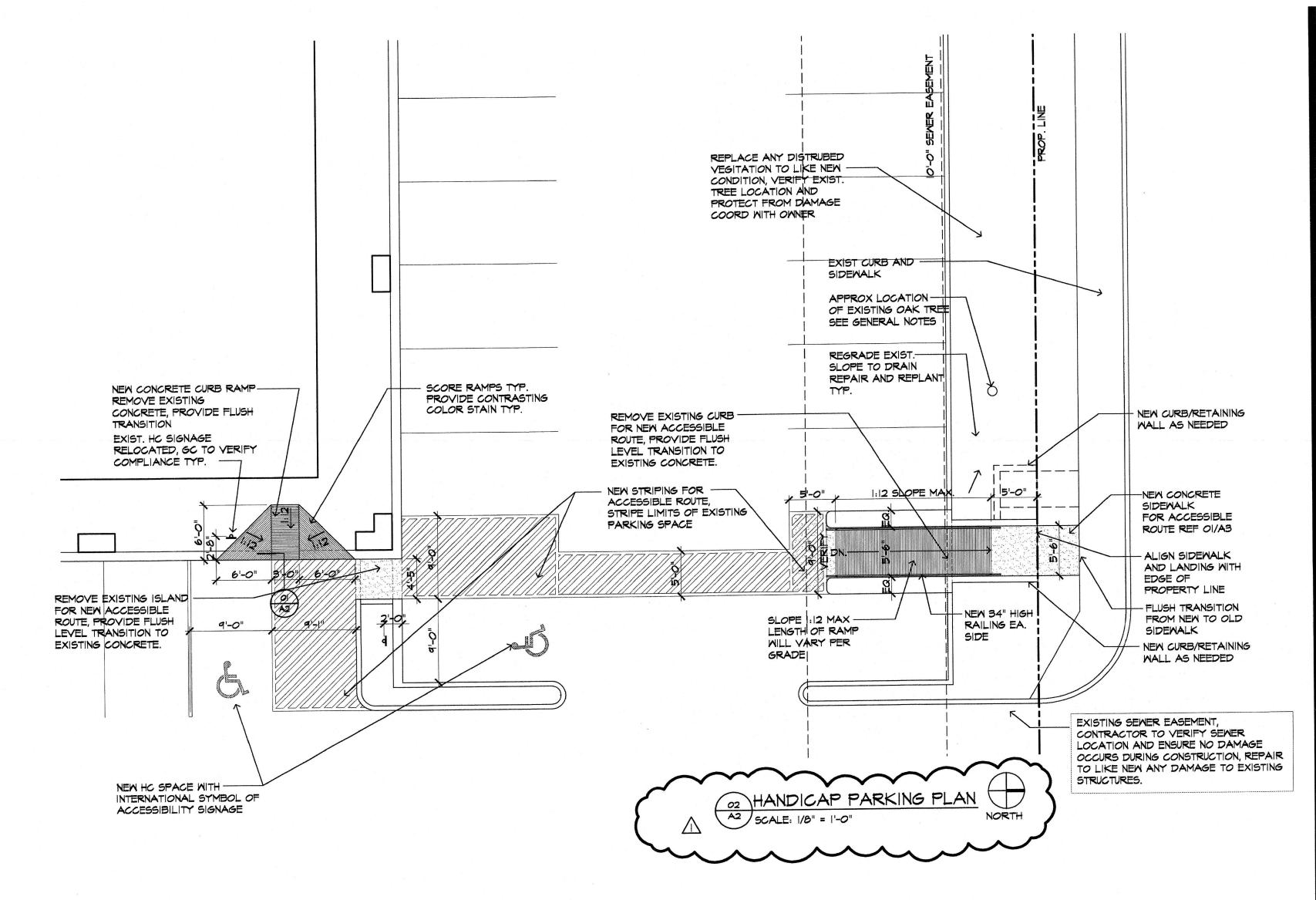
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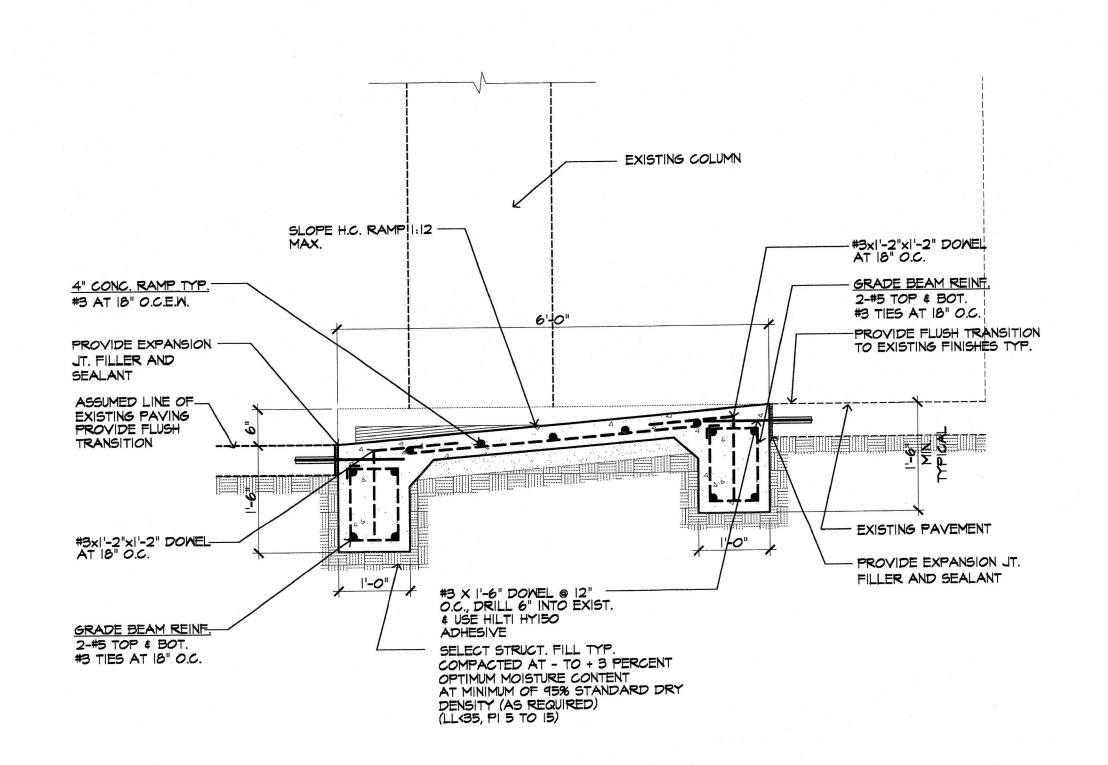
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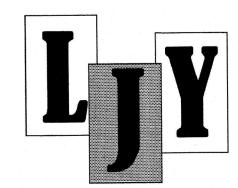
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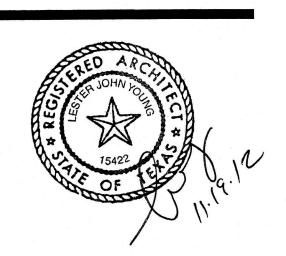


OI HANDICAP RAMP SECTION
A2 SCALE: 3/4" = 1'-0"



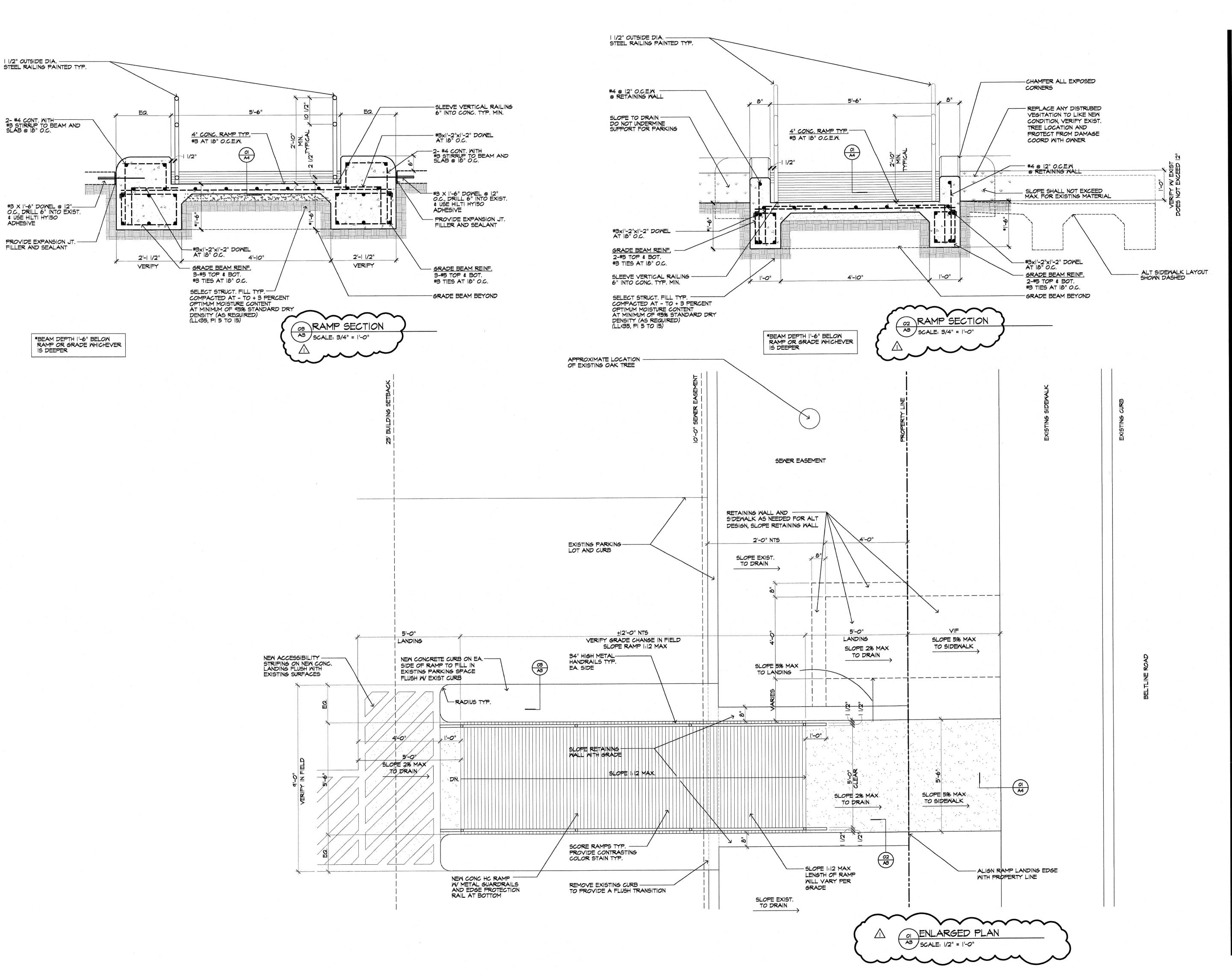
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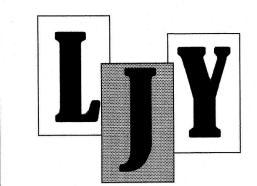
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LARGE PLANS

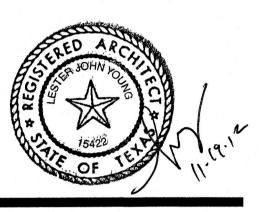
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	11.19.12	Revision



ADDISON MARKET
4530 Beltline Road Addison, Texas

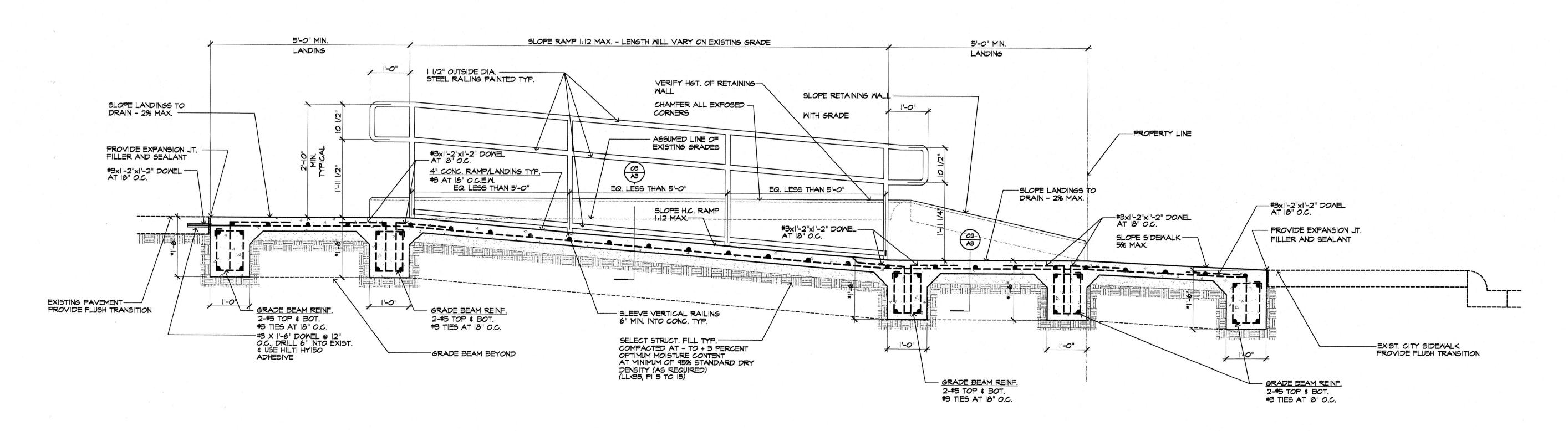
LARGE PLAN SECTIONS

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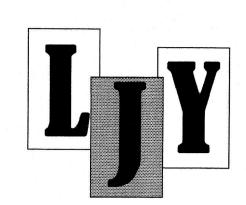
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*BEAM DEPTH I'-6" BELOW RAMP OR GRADE WHICHEVER IS DEEPER





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SECTION

1203 **Date** 10.22.12 Drawn by Checked by LY