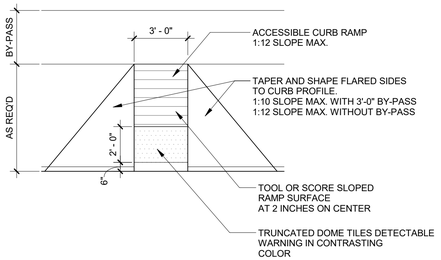
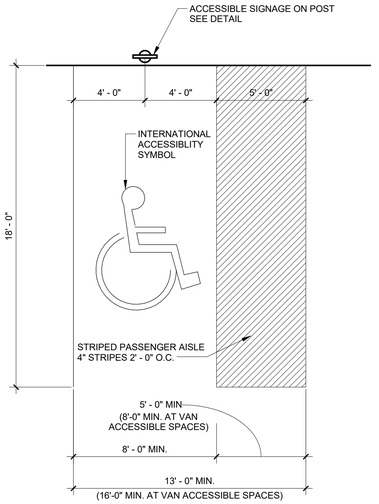


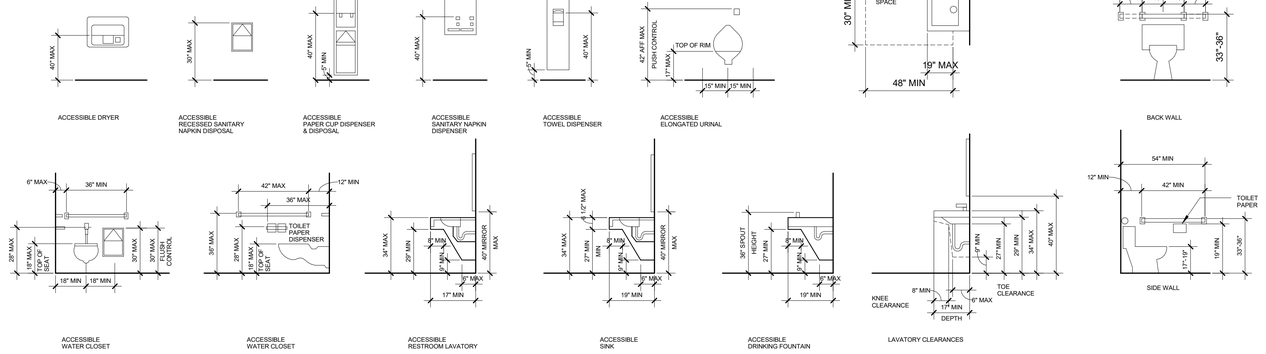
ADA ACCESSIBLE CURB RAMP | 1

1/4" = 1'-0"



ADA ACCESSIBLE PARKING SPACES | 2

1/4" = 1'-0"



ACCESSIBILITY - RESTROOM DIAGRAMS | C1

N.T.S.

1. DOORS
   a. DOORS WITH TWO INDEPENDENTLY OPERATED DOOR LEAVES SHALL HAVE AT LEAST ONE ACTIVE LEAF THAT COMPLIES WITH ACCESSIBILITY REQUIREMENTS.
   b. DOORWAYS SHALL HAVE A MINIMAL CLEAR OPENING OF 32 INCHES WITH DOOR OPEN 90 DEGREES.
   c. MINIMUM MANEUVERING CLEARANCES AT DOORS SHALL BE PROVIDED. FLOOR OR GROUND AREA WITHIN THE REQUIRED CLEARANCE SHALL BE LEVEL AND CLEAR. -AN OBSTRUCTED FLOOR SPACE SHALL EXTEND AT LEAST 18 INCHES BEYOND THE STRIKE JAMB ON THE PULL SIDE -AN OBSTRUCTED FLOOR SPACE SHALL EXTEND AT LEAST 12 INCHES BEYOND THE STRIKE JAMB ON THE PUSH SIDE WHEN DOOR EQUIPPED WITH A CLOSER AND A LATCH.
   d. WHERE TWO DOORS ARE IN SERIES THE MINIMUM DISTANCE BETWEEN HINGED OR PIVOTED DOORS SHALL BE 52 INCHES IN ADDITION TO ANY AREA NEEDED FOR DOOR SWING.
   e. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEG., THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH.
   f. HANDLES, PULLS, LATCHES, LOCKS, ETC. SHALL BE LEVER-OPERATED, PUSH-TYPE AND U-SHAPED HANDLES. MOUNTING HEIGHT SHALL NOT BE MORE THAN 42 INCHES.
   g. DOOR OPENING FORCE: i. INTERIOR DOORS - 5 LBF MAX. ii. EXTERIOR DOORS - 8.5 LBF MAX.

2. WATER CLOSETS AND COMPARTMENTS
   a. COMPARTMENT SIZE: 56" MIN DEPTH FOR WALL MOUNTED TOILETS, AND 59" MIN. DEPTH FOR FLOOR MOUNTED TOILETS. WIDTH SHALL BE 60" MIN.
   b. INSTALLED ACCESSIBLE WATER CLOSET SHALL BE LOCATED AT 18" TO THE TOP OF THE SEAT.
   c. TOILET STALL DOOR LATCH SHALL BE MOUNTED 36" ABOVE FLOOR (WHERE APPLICABLE).
   d. FLUSH CONTROL SHALL BE MOUNTED TO USE FROM WIDE SIDE OF WATER CLOSET 36" ABOVE FLOOR AND SHALL NOT EXCEED FORCE OF 5 LBS. TO OPERATE (RE: PLUMBING FOR TYPE). FLUSH CONTROL VALVE HEIGHT, IN ACCESSIBLE COMPARTMENT, IS TO BE COORDINATED WITH GRAB BAR, AS SHOWN ON DRAWINGS.
   e. GRAB BARS SHALL BE MOUNTED AS SHOWN ON MOUNTING HEIGHTS DIAGRAMS.

3. URINALS
   a. CLEAR FLOOR SPACE: 30" WIDTH X 52" DEPTH
   b. INSTALLED ACCESSIBLE URINALS SHALL BE ELONGATED TRIM TYPE (RE: PLUMBING FOR TYPE) AND SHALL BE MOUNTED AT 17" TO RIM FROM FLOOR.
   c. FLUSH CONTROLS SHALL BE MOUNTED NOT MORE THAN 42" ABOVE FLOOR.

4. LAVATORIES
   a. CLEAR FLOOR SPACE: 30" WIDTH X 52" DEPTH
   b. MOUNTING HEIGHT TO THE LAVATORY RIM OR COUNTER SURFACE SHALL BE 34" ABOVE THE FINISH FLOOR.
   c. KNEE CLEARANCE SHALL BE 29" ABOVE THE FINISH FLOOR TO THE BOTTOM OF APRON, SHALL BE 17" MIN. DEEP AND SHALL HAVE TOE CLEARANCE 6" DEEP AND 9" HIGH.
   d. PROVIDE INSULATION OR SCREEN FOR HOT WATER AND DRAIN PIPES, AS SHOWN ON DRAWINGS.
   e. FAUCET SHALL BE LEVER OPERATED TYPE, AND SHALL NOT EXCEED FORCE OF 5 LBS. TO OPERATE (RE: PLUMBING FOR TYPE).

5. TOILET ACCESSORIES
   a. REFER TO DRAWING FOR ACCESSIBLE MOUNTING HEIGHTS AND ACCESSORY SCHEDULE.

6. SINKS
   a. CLEAR FLOOR SPACE: 30" WIDE X 52" DEPTH MIN. AND SHALL EXTEND MAX. OF 19" UNDERNEATH SINK.
   b. MOUNTING HEIGHT TO THE SINK OR COUNTER SURFACE SHALL BE 34" A.F.F.
   c. KNEE CLEARANCE SHALL NOT BE LESS THAN 27" IN HEIGHT, 30" MIN IN WIDTH, AND 19" MIN. IN DEPTH.
   d. PROVIDE INSULATION OR SCREEN FOR HOT WATER AND DRAIN PIPES, AS SHOWN ON DRAWINGS.
   e. FAUCET SHALL NE LEVER GENERATED TYPE AND SHALL NOT EXCEED FORCE OF 5 LBS. TO OPERATE.
   f. SINK DEPTH SHALL NOT BE MORE THAN 6 1/2".

7. DRINKING FOUNTAINS
   a. A MINIMUM OF ONE DRINKING FOUNTAIN FOR INDIVIDUALS IN WHEELCHAIRS AND ONE FOR THOSE WHO HAVE DIFFICULTIES BENDING OR STOOPING SHALL BE INSTALLED.
   b. CLEAR FLOOR SPACE" 30" WIDTH X 52" DEPTH.
   c. SPOUTS FOR HANDICAPPED SHALL BE NO HIGHER THAN 36" FROM FLOOR.
   d. THE SPOUTS SHALL BE AT THE FRONT OF THE UNIT AND SHALL DIRECT WATER FLOW PARALLEL OR NEAR TO THE FRONT OF THE UNIT. WATER FLOW SHALL BE AT LEAST 4" HIGH.

8. CONTROL OPERATIONS
   a. SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED BEING NO GREATER THAN 5 POUNDS FORCE.
   b. MOUNTING HEIGHT 42".

9. RECEPTACLES, LIGHT SWITCHES, ETC.
   a. MAXIMUM MOUNTING HEIGHT - 42".
   b. MINIMUM MOUNTING HEIGHT - 18".

10. PROTRUDING OBJECTS
   a. MINIMUM HEADROOM SHALL BE 80"
   b. WITH LEADING EDGES BETWEEN 27" AND 80" SHALL PROTRUDE NOT MORE THAN 4"
   c. WITH LEADING EDGES BELOW 27" - NOT LIMITED
   d. FREE STANDING OBJECTS MAY OVERHANG 12" MAX FROM 27" TO 80"
   e. SHALL NOT REDUCE CLEAR WIDTH OF ACCESSIBLE ROUTE

11. CHANGES LEVEL
   a. 1/4" MAX - VERTICAL EDGE
   b. UP TO 1/2" MAX WITH BEVELED EDGE WITH SLOPE NOT GREATER THAN 1:2
   c. GREATER THAN 1/2" SHALL BE ACCOMPLISHED BY MEANS OF RAMP.
   d. SLOPES ON ACCESSIBLE ROUTES SHALL NOT EXCEED 5% OR 1:20 IN THE DIRECTION OF TRAVEL AND 2% OR 1:50 IN CROSS SLOPE.

12. CARPET
   a. SHALL HAVE 1/2" MAX PILE THICKNESS
   b. EDGES SHALL BE FASTENED TO FLOOR
   c. IF CUSHION OR PADS USED - THEY SHALL BE FIRM

13. SIGNAGE
   a. LETTER AND MARKER WITH 3" MIN HEIGHT
   b. MOUNTING HEIGHT - 60"
   c. RAISED AND BRAILLE CHARACTERS SHALL BE RAISED 1/32 IN.
   d. REFER TO GRAPHICS PROJECT FOR MORE DETAILS

14. RAMPS
   a. MAXIMUM SLOPE 1:12
   b. CLEAR WIDTH - 36" FOR RAMP OF 30' LONG OR LESS
   c. CLEAR WIDTH - 44" FOR RAMPS LONGER THEN 30'
   d. LANDINGS i. LENGTH - 60" MIN CLEAR ii. WIDTH - NOT LESS THEN RAMP WIDTH
   e. WHERE RAMPS CHANGE DIRECTIONS AT LANDINGS. LANDINGS SHALL BE 60"X60" MIN.
   f. HANDRAILS - AT BOTH SIDES EXTEND MIN 12" BEYOND RAMP AT TOP AND BOTTOM AND ENDS SHALL BE ROUNDED OR RETURNED. MOUNTING HEIGHT 34", AND SHALL HAVE A MIDRAIL A 18" MOUNTING HEIGHT.

GRAB BAR REQUIREMENTS:

THE STRUCTURAL STRENGTH OF GRAB BARS, FASTENERS, AND MOUNTING DEVICES SHALL MEET THE FOLLOWING SPECIFICATION:
1. BENDING STRESS IN A GRAB BARS INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR.
2. SHEAR STRESS INDUCED IN A GRAB BAR BY THE APPLICATION OF 250 LBF SHALL BE LESS THAN ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR. IF THE CONNECTION BETWEEN THE GRAB BAR AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL BE TOTALED FOR THE COMBINED SHEAR STRESS, WHICH SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS.
3. SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.
4. TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 LBF PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING STRUCTURE.

ACCESSIBLE STAIRS

1. STAIR NOSINGS SHALL BE FLUSH, SLIP-RESISTANT AND ROUNDED TO A RADIUS OF 1/2" MAXIMUM. RISERS SHALL BE SLOPED, OR THE UNDERSIDE OF THE NOSING SHALL HAVE AN ANGLE OF NOT LESS THAN 60 DEGREES FROM HORIZONTAL AND SHALL PROJECT NO MORE THAN 1 1/2"
2. THE RISERS SHALL NOT BE LESS THAN 4" AND NOT MORE THAN 7" IN HEIGHT. THE TREADS SHALL NOT BE LESS THAN 11" FROM RISER TO RISER. OPEN RISERS ARE NOT PERMITTED.
3. HANDRAILS:
   a) THE HANDGRIP PORTION OF HANDRAILS SHALL BE 1 1/2" IN OUTSIDE DIAMETER OR WITH EQUAL GRIPPING SURFACE AND SHALL HAVE CLEAR SPACE BETWEEN WALL AND HANDRAIL NOT LESS THAN 1 1/2".
   b) THE HEIGHT OF THE HANDRAIL SHALL BE 2"-10" ABOVE THE NOSING OFTHE TREADS AND LANDINGS. c) HANDRAILS SHALL BE CONTINUOUS ALONG BOTH SIDES OF STAIRS. IF NOT, THEY SHALL EXTEND AT LEAST 12" BEYOND THE TOP RISER AND AT LEAST 12" PLUS THE WIDTH OF ONE TREAD BEYOND THE BOTTOM RISER.
   d) ENDS OF HANDRAILS SHALL BE RETURNED SMOOTHLY TO FLOOR, WALL OR POST. e) HANDRAILS SHALL WITHSTAND THE LOAD OF 250 LBS. APPLIED IN ANY DIRECTION.

ACCESSIBLE ELEVATORS

1. ELEVATOR OPERATION SHALL BE AUTOMATIC. EACH CAR SHALL BE EQUIPPED WITH SELF LEVELING FEATURES.
2. HALL CALL BUTTONS: a) 42" MOUNTING HEIGHT TO CENTER LINE OF UPPER CALL BUTTON ABOVE THE FLOOR. b) SHALL BE A MINIMUM OF 3/4" IN THE SMALLEST DIMENSION. c) SHALL HAVE VISUAL SIGNALS TO INDICATE WHEN EACH CALL IS REGISTERED AND ANSWERED.
3. HALL LANTERNS: a) SHALL BE A MINIMUM OF 2 1/2" IN DIAMETER WITH MOUNTING HEIGHT AT LEAST 72" TO CENTER LINE OF LANTERN ABOVE THE FLOOR. U.N.O. (60" IF LOCATED ON JAMB) b) VISUAL ELEMENTS SHALL BE AT LEAST 2 1/2" IN THE SMALLEST DIMENSION. c) SHALL HAVE VISUAL AND AUDIBLE SIGNALS.
4. FLOOR DESIGNATIONS ON BOTH HOISTWAY JAMBS: a) MOUNTING HEIGHT IS 60" ABOVE THE FLOOR TO THE CENTER LINE OF THE CHARACTERS. b) SHALL NOT BE LESS THAN 5/8" AND NOT MORE THAN 2" HIGH. SHALL BE RAISED 1/32", UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMMODATED WITH GRADE 2 BRAILLE ON 2" X 2" MIN. PAINTED METAL. c) SHALL CONTRAST WITH BACKGROUND.
5. ELEVATOR DOORS SHALL OPEN AND CLOSE AUTOMATICALLY AND SHALL HAVE REOPENING DEVICE.
6. ELEVATOR CABS SHALL PROVIDE SPACE FOR TURNING OF A WHEELCHAIR. THE MINIMUM CLEAR DISTANCE BETWEEN WALLS, OR BETWEEN WALL AND DOOR SHALL BE NOT LESS THAN 68" BY 54" IF DOOR IS OFF CENTER, AND 89" BY 54" IF DOOR IS CENTERED. MINIMUM DISTANCE FROM WALL TO RETURN PANEL SHALL NOT BE LESS THAN 51".
7. DOOR SHALL BE 36" MINIMUM IN WIDTH, U.N.O.
8. THE MINIMUM ACCEPTABLE TIME FOR DOORS TO REMAIN FULLY OPEN SHALL BE NOT LESS THAN 3 SECONDS.
9. CAR CONTROLS: a) THE HIGHEST FLOOR BUTTON SHALL NOT BE HIGHER THAN 48" FOR PARALLEL APPROACH AND 42" FOR FRONT APPROACH. FOR EXISTING ELEVATORS SHALL BE 54" AND 48" RESP. b) THE CENTER LINE OF THE ALARM BUTTON AND EMERGENCY STOP SWITCH SHALL BE AT A NOMINAL 35". c) CAR SHALL HAVE CAR POSITION INDICATOR WITH A MINIMUM OF 1/2" IN HEIGHT d) CAR SHALL HAVE TELEPHONE AND COMMUNICATION SYSTEM WITH MOUNTING HEIGHT OF 54" MAXIMUM ABOVE FLOOR.
10. CAR SHALL HAVE 1 1/2" DIAMETER HANDRAIL AT LEAST ON ONE WALL WITH NOMINAL HEIGHT OF 36" FROM FLOOR.

ACCESSIBILITY NOTES | A1

N.T.S.

O 281 410 1349
www.wsquaredarch.com
W [SQUARED] ARCHITECTS

ISSUES AND REVISIONS

NO	DATE	DESCRIPTION
A	19 JUL 22	ISSUE FOR PERMIT
B	19 AUG 16	ISSUE FOR BID

REGISTERED ARCHITECT
SHANE C. WILSON
STATE OF TEXAS
2019 AUG 16

GH SCHOOL
4780 N MAIN STREET

SHEET TITLE
ACCESSIBILITY STANDARDS -TAS

SHEET NUMBER
G201

PROJECT # A041

©2019 W SQUARED DESIGN, INC.
Architect shall own the overall conceptual design prepared and developed for the project on the intangible exclusive rights or copyright therein.

W:\CloudStation\19 05-GHS_DWG\1902-GHS-Model_ArchR16.rvt
8/19/2019 3:22:16 PM