

PROJECT LOCATED ALONG COL. ETHERIDGE BLVD. NEW CONSTRUCTION OF A 13.860 SQ.FT. BUILDING TYPE IA AND IB.

BUILDING DATA:

\triangle	BUILDING TYPE	AREA	NET RENTABLE
	1	13,366 SQ.FT.	10 @ 1,366
	TOTAL	13,325 SQ.FT.	

PARKING:

REQUIREMENTS					to	t A I	SPACES
NEGUINE IENTO	_					QUIR	
4 SPACES PER 1000 (13,325 SQ.FT.)	1)				56	SPACES
TOTÁL PARKING SPACES REQUIRED	J					56	SPACES
HANDICAPPED SPACES REQUIRED			1	5P4	CES		
PROVIDED							
OPEN PARKING SPACES			52	5P4	CES		
HANDICAPPED (VAN ACCESSIBLE)	1	SPACES					
HANDICAPPED (VAN ACCESSIBLE) TOTAL PARKING SPACES PROVIDED	1	SPACES				4	SPACES
		SPACES SPACES				4	SPACES

PARKING NOTE:
REFER TO CIVIL DRAWINGS FOR TOTAL PARKING SPACES PROVIDED.
TABLE ABOVE PROVIDES PARKING CALCULATIONS FOR BUILDINGS IA
AND IB ONLY.

KEY NOTES:

(1) 6'-0"h CEDAR FENCE	RE: 3/AO.1
(2) CONCRETE PAVING (TYP.)	RE: CIVIL
3 HANDICAPPED PARKING, RAMP, & SIGNAGE	RE: CIVIL
(4) CONC. SIDEWALKS: 5'-O" WIDE (TYP. UNLESS NOTED OTHERWISE)	RE: CIVIL
5 MONUMENT SIGN	RE: 6/AO.1

LEGEND:

6 TRASH ENCLOSURE

HANDICAPPED ACCESSIBLE PARKING SPACE
STRIPING TO INDICATE NO PARKING ALLOWED

DIMENSIONING NOTE:

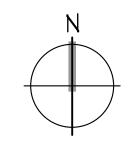
CURB RADII ARE AT 2'-O" AT PARKING SPACES AND 3'-O" ELSEWHERE UNLESS NOTED OTHERWISE AS FOLLOWS - IC: RIO' MEANS A RADIUS OF IO'-O" TO THE OUTSIDE EDGE OF THE CURB

SEE ELECTRICAL DRAWINGS FOR LOCATIONS OF SITE LIGHTING SEE CIVIL DRAWINGS FOR LOCATIONS OF FIRE HYDRANTS



TYP!

TYPICAL PARKING SPACE DIMENSIONS



TED TROUT

ARCHITECT
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Houston, Texas 77075

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CLIENT NAME:

CALIBER INVESTMENT CORP.

P.O. BOX 6153 HUNTSVILLE, TEXAS 77342

PROJECT NAME:

RE: 1/A0.1

THE WEST HILL CENTER MALL

PROJECT LOCATION:

149 COL. ETHERIDGE BLVD. HUNTSVILLE, TEXAS 77340

DATE ISSUE

10.20.2020 PRELIMINARY

03.05.2021 PERMIT

05.24.2021 PERMIT COMMENTS

DATE 05.24.2021

SCALE || = 50'-0"

PROJECT NUMBER 2023

DRAWN BY GGF

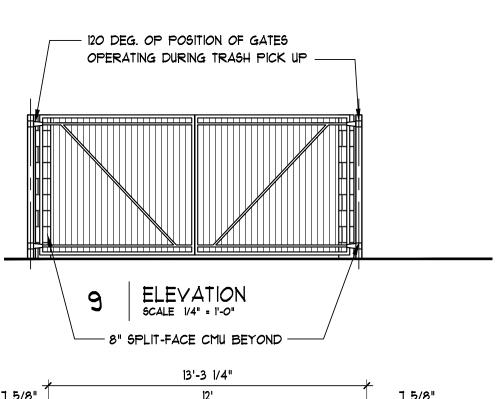
SHEET TITLE

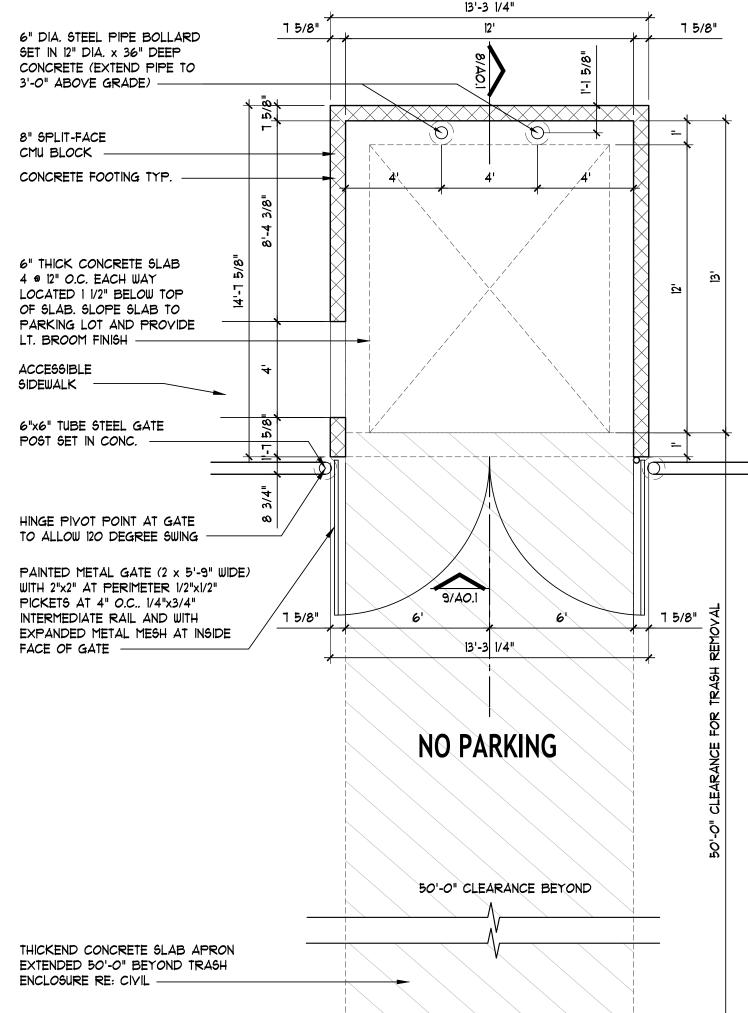
SHEET NUMBER

A0.0

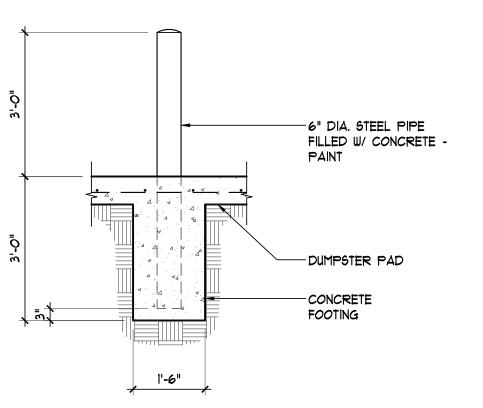
SITE PLAN

ARCHITECTURAL

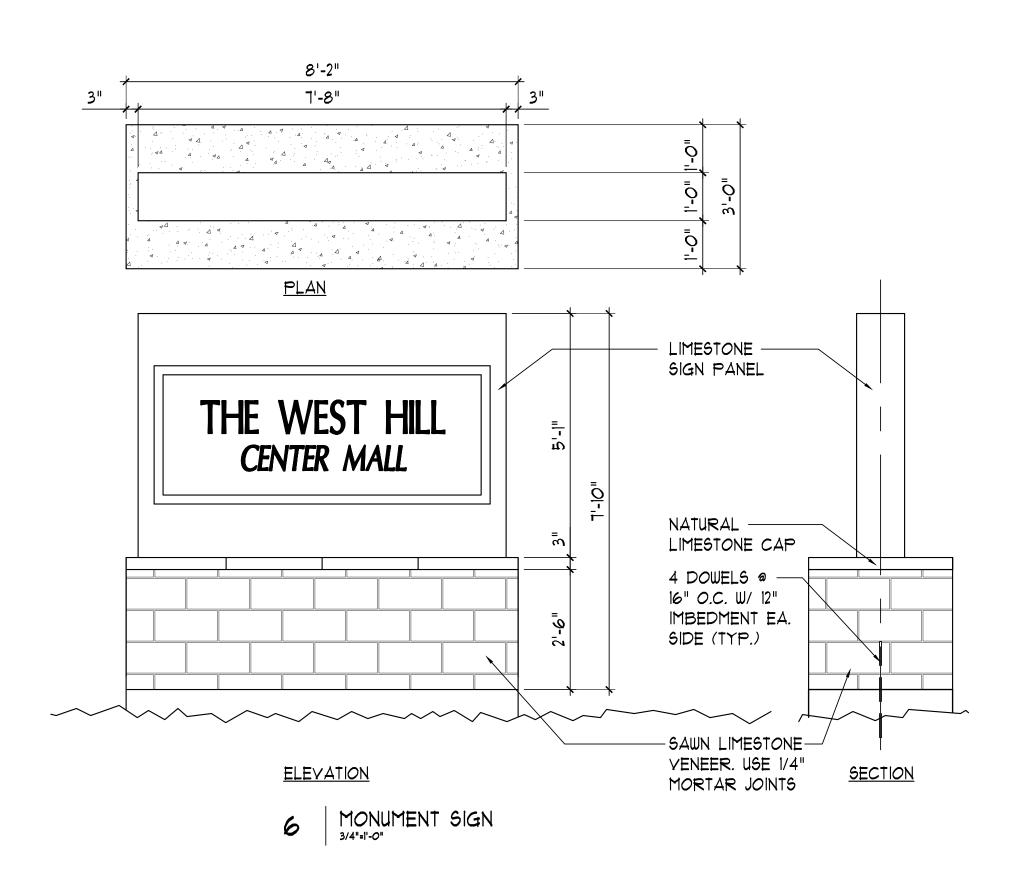




7 | SECTION OF DUMPSTER PA



10 BOLLARD DETAIL



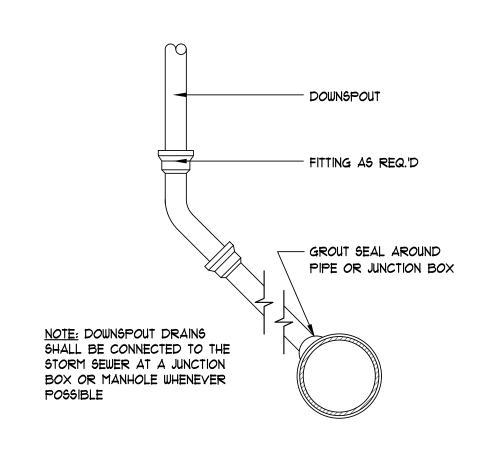
4" H PRECAST CONC, COPING
8" SPLIT-FACE
CMU BLOCK

6" DIA. STEEL PIPE BOLLARD

FINISH GRADE

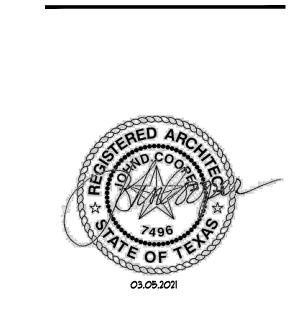
CONC. SLAB 4 FOOTING

8 SECTION OF DUMPSTER PAD SCALE 3/4" = 1'-0"



1'-0"

5 DOWNSPOUT TO STORM DRAIN CONNECTION



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Houston, Texas

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P.O. BOX 6153 HUNTSVILLE, TEXAS 77342

PROJECT NAME:

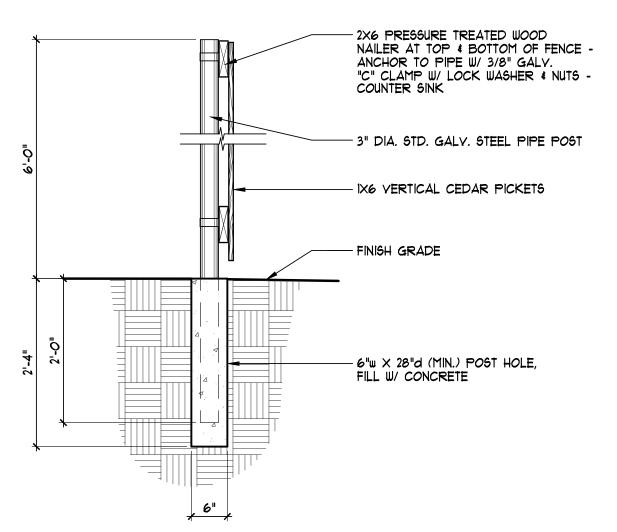
THE WEST HILL CENTER MALL

PROJECT LOCATION:

149 COL. ETHERIDGE BLVD. HUNTSVILLE, TEXAS 77340

DATE	ICCI IT	
DATE 10.20.2020	ISSUE PRELIMINARY	
03.05.2021	PERMIT	
	LINI	
DATE		
DAIL	03.05.2021	
SCALE	AS NOTED	
PROJECT NU	MBER 2023	
DRAWN BY	GGF	
SHEET TITLE		
ARCHITECTURAL SITE PLAN DETAILS		

SHEET NUMBER



NOT USED	BUILDING CODE DATA
	CODES:
	BUILDING CODES: INTERNATIONAL BUILDING CODE - 2015 CITY OF HUNTSVILLE CODE OF ORDINANCES, CHAPTER 12
	GRADING & EXCAVATION: INTERNATIONAL BUILDING CODE, APPENDIX J-GRADING 2015
	AIR CONDITIONING / HEATING: INTERNATIONAL MECHANICAL CODE 2015 INTERNATIONAL CODE COUNCIL 2015 CITY OF HUNTSVILLE CODE OF ORDINANCES, CHAPTER 12
\frac{1}{2}	PLUMBING: INTERNATIONAL PLUMBING CODE 2015 INTERNATIONAL FUEL GAS CODE 2015
	CITY OF HUNTSVILLE CODE OF ORDINANCES, CHAPTER 12 ELECTRICAL: NATIONAL ELECTRIC CODE 2017
	INTERNATIONAL ENERGY CODE 2015 CITY OF HUNTSYILLE CODE OF ORDINANCES, CHAPTER 12, ARTICLE Y
	FIRE: INTERNATIONAL FIRE PREVENTION CODE 2015 NATIONAL ELECTRIC CODE 2011 CITY OF HUNTSYILLE CODE OF ORDINANCES, CHAPTER 20
	OCCUPANCY: GROUP M - MERCANTILE
	CONST. TYPE: GROUP M - TYPE V-B (SPRINKLER) HEIGHT & AREA: SEE TABLE BELOW
	BUILDING TYPE / NAME: DESCRIPTION / OCCUPANCY/ NUMBER ALLOWABLE AREA PER BUILDING AREA PER BUILDING
	Nulliber CONSTRUCTION AREA PER STORE 15 STORE
	BUILDING TYPE ACTUAL OCCUPANT LOAD LOAD FACTOR TOTAL
	BUILDING FACTOR TOTAL
	BUILDING ELEMENTS HOURS HOURS UL OR IBC STANDARD USED & DESIGN DETAIL SHOWN ON REQUIRED PROVIDED
	EXTERIOR BEARING WALLS 0 HR. N/A N/A EXTERIOR NON-BEARING WALLS 0 HR. N/A N/A
	INTERIOR BEARING WALLS 0 HR. N/A N/A
	INTERIOR NON-BEARING WALLS 0 HR. N/A N/A N/A N/A N/A
	ROOF CONSTRUCTION 0 HR. N/A N/A
	FIRE WALL O HR. N/A N/A

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PROJECT NAME:

THE WEST HILL CENTER MALL

PROJECT LOCATION:

149 COL ETHERIDGE BLVD. HUNTSVILLE, TEXAS 77340

DATE	ISSUE
10.20.2020	PRELIMINARY
03.05.2021	PERMIT
05.24.2021	PERMIT COMMENTS
DATE	05.24.2021

PROJECT NUMBER 2023

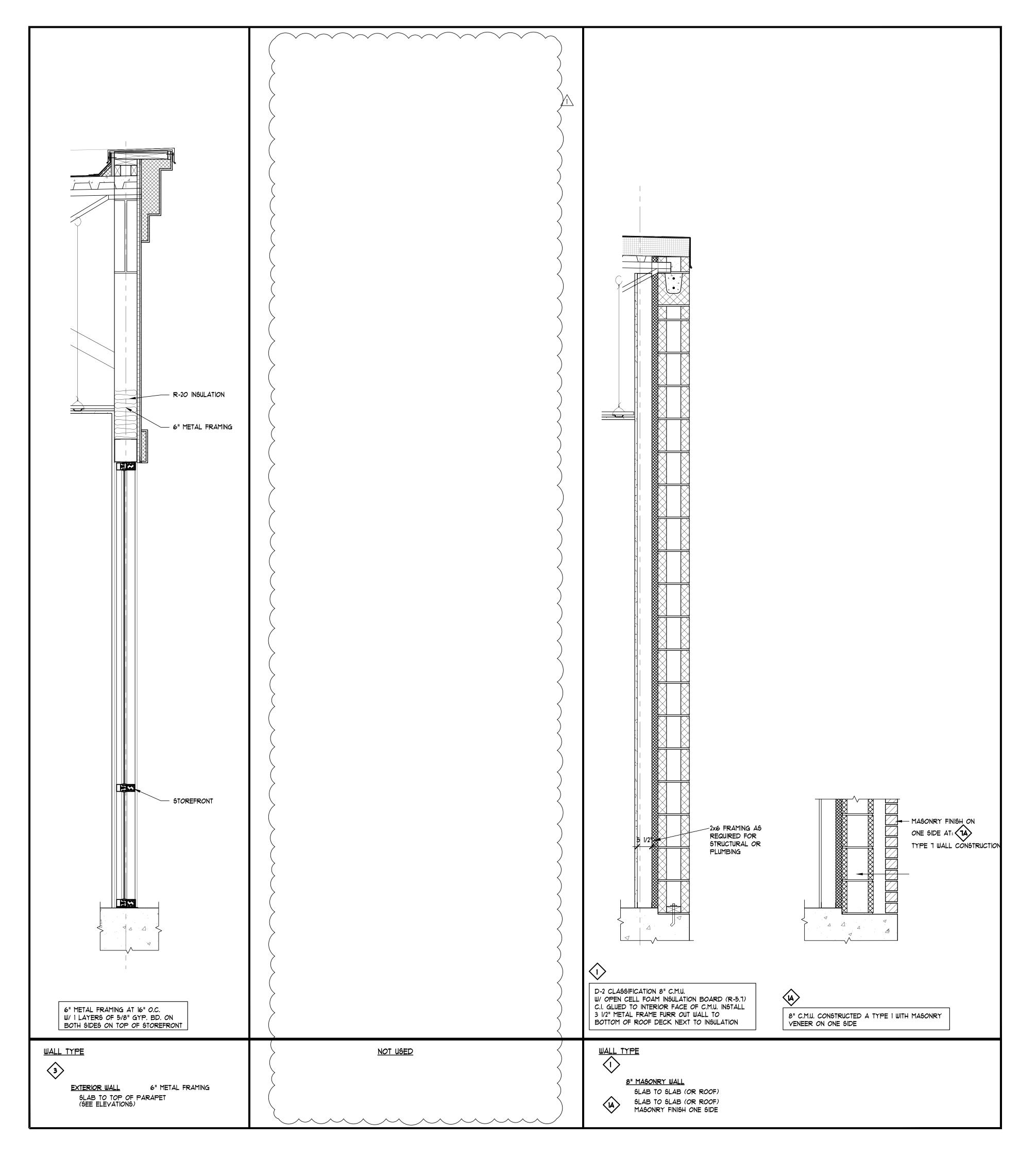
DRAWN BY GGF

SHEET TITLE

CODE ANALYSIS # FIRE PROTECTION DATA

SHEET NUMBER

A0.3



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PROJECT NAME:

THE WEST HILL CENTER MALL

PROJECT LOCATION:

149 COL ETHERIDGE BLVD. HUNTSVILLE, TEXAS 77340

ISSUE
PRELIMINARY
PERMIT
PERMIT COMMENTS

DATE	05.24.2021
SCALE	NONE
PROJECT NUMBER	2023
DRAWN BY	KC
SHEET TITLE	WALL TYPES

SHEET NUMBER

AO.34

302.1 General. Floor and ground surfaces shall be stable, firm, and slip resistant and shall

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

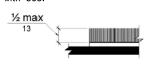


Figure 302.2 Carpet Pile Height

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 dimension is perpendicular to the dominant direction of travel.

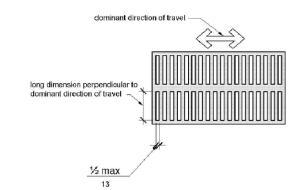


Figure 302.3 Openings in Floor Surfaces

303 CHANGES IN LEVEL

303.1 General. Where changes in level are permitted in floor or ground surfaces, they shall

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.

303.2 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical. Figure 303.2 Vertical Change in Level 303.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2 inch

(13 mm) high maximum shall be beveled with a slope not steeper than 1:2. 303.4 Ramps. Changes in level greater than 1/2 inch (13 mm) high shall be ramped, and shall comply with 405 or 406.

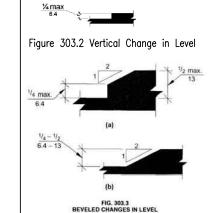


Figure 303.3 Beveled Change in Level

304 TURNING SPACE

304.1 General. Turning space shall comply with 304.

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.

304.3.1 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) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be 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.

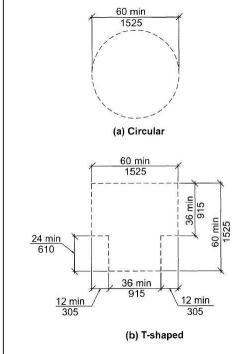


Figure 304.3 Size of Turning Space 304.4 Door Swing. Doors shall be permitted to swing into turning spaces.

305 CLEAR FLOOR SPACE

305.1 General. Clear floor 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 permitted. 305.3 Size. The clear floor or ground space shall be 30 inches (760 mm) minimum by 48 inches (1220 mm) minimum.

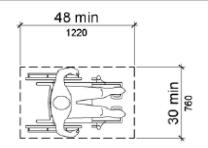


Figure 305.3 Clear Floor Space

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 an element.

305 CLEAR FLOOR OR GROUND SPACE CONT

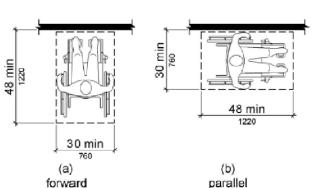


Figure 305.5 Position of Clear Floor 305.6 Approach. One full unobstructed side of the clear floor or ground space shall adjoin an accessible route or adjoin another clear floor or ground space. 305.7 Maneuvering Clearance. Where a clear floor or ground space is located in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearance shall

be provided in accordance with 305.7.1 and 305.7.2. 305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm)wide minimum where the depth exceeds 24 inches (610 mm). Figure 305.7.1 Maneuvering Clearance in an Alcove, Forward Approach 305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).

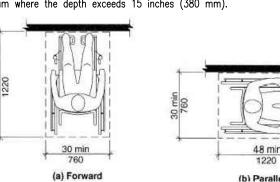
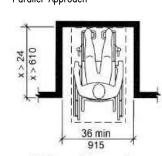
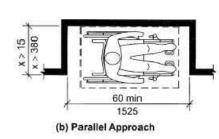


Figure 305.7.2 Maneuvering Clearance in an Alcove, Forward Approach

305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm). Figure 305.7.2 Maneuvering Clearance in an Alcove, Parallel Approach





(a) Forward Approach

Figure 305.7.2 Maneuvering Clearance in an Alcove, Parallel Approach 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 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 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. Figure 306.2 Toe

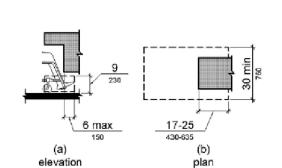


Figure 306.2 Toe Clearance

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 comply 306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under

an element at 9 inches (230 mm) above the finish floor or ground. 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 the finish floor or ground. 306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor 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.

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

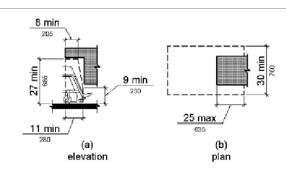


Figure 306.3 Knee Clearance 301 PROTRUDING OBJECTS

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.

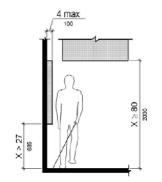


Figure 307.2 Limits of Protruding Objects 307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons 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 finish floor or EXCEPTION: The sloping portions of handrails serving stairs and ramps shall not be required to

301 PROTRUDING OBJECTS CONT.

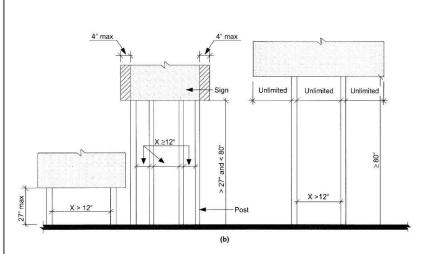
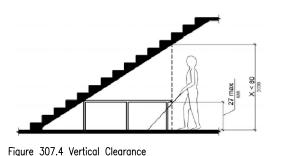


Figure 307.3 Post-Mounted Protruding Objects

07.4 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 ground. EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.



307.5 Required Clear Width. Protruding objects shall not reduce the clear width required for

308 REACH RANGES

308.1 General> Reach ranges shall comply with Section 308 308.2 Forward Reach.

Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

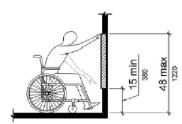


Figure 308.2.1 Unobstructed Forward Reach

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) naximum 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.

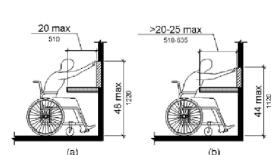


Figure 308.2.2 Obstructed High Forward Reach

308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor space complying with section 305 allows a parallel approach to an element and the edge of the clear floor space is 10 inches (255 mm) maximum from the element, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the floor. EXCEPTION: existing elements that are not altered shall be permitted at 54 inches (1370 mm) maximum above the floor.

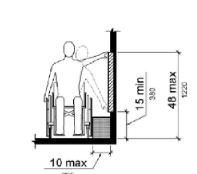


Figure 308.3.1 Unobstructed Side Reach

308.3.2 Obstructed High Reach. Where a clear floor space complying with Section 305 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.

The top of washing machines and clothes dryers shall be permitted to be 36 inches (915 mm) maximum above the finish floor.

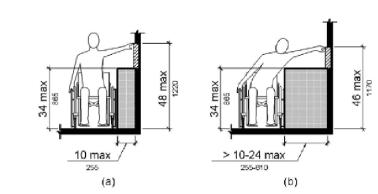


Figure 308.3.2 Obstructed High Side Reach 309 OPERABLE PARTS

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 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) maximum. EXCEPTION: Gas pump nozzles shall not be required to provide operable parts that have an activating force of 5 pounds (22.2 N) maximum.

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 slope not steeper than 1:20, doors and doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components

of an accessible route shall comply with the applicable portions of this standard. 402.3 Revolving Doors, Revolving Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.

403 WALKING SURFACES

403.1 Walking surfaces that are a part of an accessible route shall comply with Section 403. 403.2 Floor Surface. Floor 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 being performed.

403.5.1 Clear Width. The clear width of walking surfaces shall be 36 inches (915 mm) minimum. EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long minimum and 36 inches (915 mm)

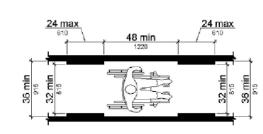


Figure 403.5.1 Clear Width of an Accessible Route

403.5.2 Clear Width at a 180 Degree Turn. Where the accessible route makes a 180 degree turn around an object that 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 403.5.2 shall not be required. Figure 403.5.2 Clear Width at Turn

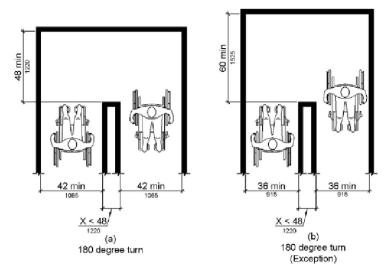


Figure 403.5.2 Clear Width at Turn

steeper than 1:20 they shall comply with 505.

shall not exceed 4 inches (100 mm).

403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum. Passing spaces shall be either: a space 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum; or, an intersection of two walking surfaces providing a T-shaped space complying with 304.3.2 where the base and arms of the T-shaped space extend 48 inches (1220 mm) minimum beyond the intersection. 403.6 Handrails. Where handrails are provided along walking surfaces with running slopes not

Advisory 403.6 Handrails. Handrails provided in elevator cabs and platform lifts are not required to comply with the requirements for handrails on walking surfaces.

404 DOORS, DOORWAYS AND GATES

shall not be required to comply with 404.2.7, 404.2.7 and 404.2.8.

404.1 General. Doors and doorways that are part of an accessible route shall comply with 404.2 Manual Doors.. Manual doors and doorways and manual gates, including ticket gates, shall comply with 404.2. EXCEPTION: Doors, doorways, and gates designed to be operated only by security personnel

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

1. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground. 2. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width

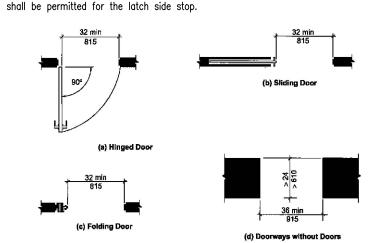


Figure 404.2.2 Clear Width of Doorways

404.2.3 Maneuvering Clearances. Minimum maneuvering clearances at doors shall comply with Section 404.2.3 and shall include the full clear opening width of the doorway. Required door maneuvering clearances shall not include knee and toe clearance. 404.2.3.1 Floor Surface. Floor surface within the maneuvering clearances shall have a slope not steeper than 1:48 and shall comply with Section 302. 404.2.3.2 Swinging Doors. Swinging doors shall have maneuvering clearances complying with Table 404.2.3.2. 404.2.3.3 Sliding and Folding Doors. Sliding doors and folding doors shall have maneuvering clearances complying with Table 404.2.3.3.

Table 404.2.3.2 Maneuvering Clearances at Manual Swing Doors and Gates Type of Use Minimum Maneuvering Clearance

	Approach Direction	Door or Gate Side	Perpendicular to Doorway	Parallel to Doorway (beyond latch side unless noted)
	rom Front	Pull	60 inches (1525mm)	18 inches (455mm)
-[1	From Front	Push	48 inches (1220mm)	0 inches (0mm) ¹
	From Hinge Side	Pull	60 inches (1525mm)	36 inches (915mm)
	From Hinge Side	Pull	54 inches (1370mm)	42 inches (1065mm)
	From Hinge Side	Push	42 inches (1065mm) ²	22 inches (560mm) ³
	From Hinge Side	Pull	48 inches (1220mm) ⁴	24 inches (610mm)
Π	rom Hinge Side	Push	42 inches (1065mm) ⁴	24 inches (610mm)

1. Add 12 inches (305 mm) if closer and latch are provided. 2. Add 6 inches (150 mm) if closer and latch are provided. 3. Beyond hinge side. 4. Add 6 inches (150 mm) if closer is provided.

Minimum Maneuvering Clearance Approach Direction Perpendicular to Parallel to Doorway (beyond latch side unless noted) From Front 48 inches (1220mm) | 0 inches (0mm)

From Nonlatch Side | 42 inches (1065mm) | 22 inches (560 mm)¹

Table 404.2.3.3 Maneuverina Clearances at Slidina and Foldina Doors

From Latch Side 42 inches (1065mm) 24 inches (610mm) 1. Beyond pocket or hinge side

404 DOORS, DOORWAYS AND GATES CONT

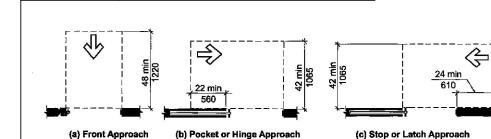


Figure 404.2.3.3 Maneuvering Clearances at Sliding and Folding Doors

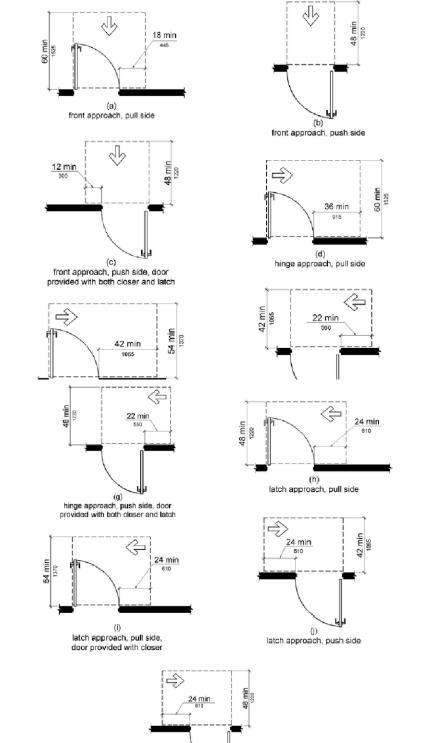


Figure 404.2.4.1 Maneuvering Clearances at Manual Swinging Doors

404.2.3.4 Doorways without 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 404.2.3.4.

latch approach, push side, Minimum Maneuvering Clearance

Table 404.2.3.4 Maneuvering Clearances at Doorways without Doors

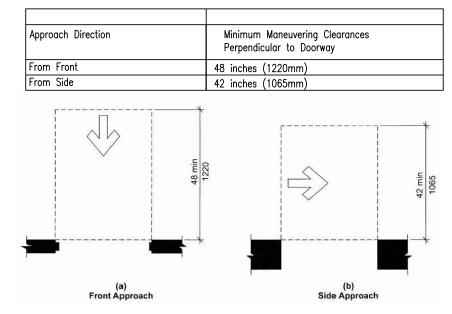


Figure 404.2.3.4 Maneuvering Clearances at Door without Doors 404.2.3.5 Recessed Doors. Where any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door, maneuvering clearances for a forward approach shall be

404.2.4 Thresholds. If provided, thresholds at doorways shall be 1/2 inch (13 mm) maximum in height. Raised thresholds and changes in level at doorways shall comply with Sections 302 and 303. EXCEPTION: An existing or altered threshold shall be permitted to be 3/4 inch (19 mm) maximum in height provided that the threshold has a beveled edge on each side with a maximum slope of 1:2 for the height exceeding 1/4 inch (6.4 mm). 404.2.5 Two Doors in Series. Distance between two hinged or pivoted doors in series shall be 48 inches (1220 mm) minimum plus the width of any door swinging into the space. The space between

the doors shall provide a turning space complying with Section 304. 404.2.6 Door Hardware. Handles, pulls, latches, locks, and other operable parts on accessible doors shall have a shape that is easy to grasp with one hand and does not require tight grasping, pinching, or twisting of the wrist to operate. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides. EXCEPTION: Locks used only for security purposes and not used for normal operation shall not be required to comply with Section 404.2.7 Closing Speed.

404.2.7.1 Door Closers. Door closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to an open position of 12 degrees shall be 5 seconds 404.2.7.2 Spring Hinges. Door spring hinges shall be adjusted so that from an open position of 70 degrees, the door shall move to the closed position in 1.5 seconds minimum.

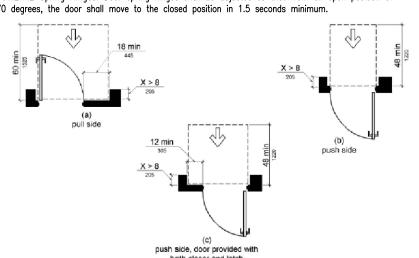


Figure 404.2.3.5 Maneuvering Clearances at Recessed Doors and Gates

404 DOORS, DOORWAYS AND GATES CONT.

404.2.8 Door-Opening Force. Fire doors shall have the minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open doors other than fire doors shall be as follows:

1. Interior hinged door: 5.0 pounds (22.2 N) maximum

2. Sliding or folding door: 5.0 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 in a closed position. 404.2.9 Door Surface. Door surfaces within loinches (255 mm) of the floor, measured vertically, shall be a smooth surface on the push side extending the full width of the door. Parts creating horizontal or vertical joints in such surface shall be within we inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be

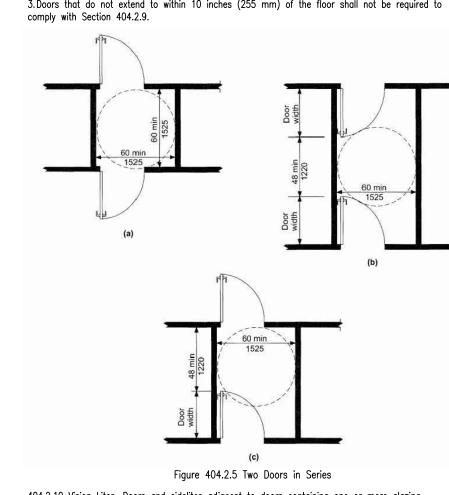
1. Sliding doors shall not be required to comply with Section 404.2.9. 2. Tempered glass doors without stiles and having a bottom rail or shoe with the top leading edge tapered at no less than 60 degrees from the horizontal shall not be required to comply with the 10-inch (255mm) bottom rail height requirement. 3. Doors that do not extend to within 10 inches (255 mm) of the floor shall not be required to comply with Section 404.2.9.

404.2.8 Door-Opening Force. Fire doors shall have the minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open doors other than fire doors shall be as follows: 1. Interior hinged door: 5.0 pounds (22.2 N) maximum

2. Sliding or folding door: 5.0 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 in a closed position. 404.2.9 Door Surface. Door surfaces within 10inches (255 mm) of the floor, measured vertically,

shall be a smooth surface on the push side extending the full width of the door. Parts creating horizontal or vertical joints in such surface shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be EXCEPTIONS:

1. Sliding doors shall not be required to comply with Section 404.2.9. 2. Tempered glass doors without stiles and having a bottom rail or shoe with the top leading edge tapered at no less than 60 degrees from the horizontal shall not be required to comply with the 10-inch (255mm) bottom rail height requirement. 3. Doors that do not extend to within 10 inches (255 mm) of the floor shall not be required to comply with Section 404.2.9.



404.2.10 Vision Lites. Doors and sidelites adjacent to doors containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one panel on either the door or an adjacent side lite 43 inches (1090 mm) maximum above the floor. EXCEPTION: Vision lites with the lowest part more than 66 inches (1675 mm) above the floor shall not be required to comply with Section 404.2.10. 404.3 Automatic Doors. Automatic doors and automatic gates shall comply with Section 404.3.

Full powered automatic doors shall comply with ANSI/BHMA A 156.10 listed in Section 105.2.4. Power-assist and low-energy doors shall comply with ANSI/BHMA A156.19 listed in Section EXCEPTION: Doors, doorways, and gates designed to be operated only by security personnel shall not be required to comply with Sections 404.3.2, 404.3.4, and 404.3.5.

power-on and power-off mode. The minimum clear opening width for automatic door systems 404.3.2 Maneuvering Clearances. Maneuvering clearances at power-assisted doors shall comply with Section 404.2.3. 404.3.3 Thresholds. Thresholds and changes in level at doorways shall comply with Section 404.2.4. 404.3.4 Two Doors in Series. Doors in series shall comply with Section 404.2.5. 404.3.5 Control Switches. Manually operated control switches shall comply with Section 309. The clear

404.3.1 Clear Width. Doorways shall have a clear opening width of 32 inches (815 mm) in

floor space adjacent to the control switch shall be located beyond the arc of the door swing. 405.1 General. Ramps along accessible routes shall comply with Section 405. EXCEPTION: In assembly areas, aisle ramps adjacent to seating and not serving elements required to be on an accessible route shall not be required to comply with Section 405. 405.2 Slope. Ramp runs shall have a running slope greater than 1:20 and not steeper than 1:12. 405.3 Cross Slope. Cross slope of ramp runs shall not be steeper than 1:48. 405.4 Floor Surfaces. Floor surfaces of ramp runs hall comply with Section 302. 405.5 Clear Width. The clear width of a ramp run shall be 36 inches (915 mm) minimum. Handrails

and hand-I rail supports that are provided on the ramp run shall not project into the required clear width of the ramp run. 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 bottom and top of each ramp run. Landings shall comply with Section 405.7. 405.7.1 Slope. Landings shall have a slope not steeper than 1:48 and shall comply with Section 302. EXCEPTION: In existing buildings or facilities, ramps shall be permitted to have slopes steeper than

1:12 complying with Table 405.2 where such slopes are necessary due to space limitations 405.7.2 Width. Clear width of landings shall be at least as wide as the widest ramp run leading to 405.7.3 length. Landings shall have a clear length of 60 inches (1525 mm) minimum. 405.7.4 Change in Direction. Ramps that change direction at ramp landings shall be sized to provide a turning space complying with Section 304.3. 405.7.5 Doorways. Where doorways are adjacent to a ramp landing, maneuvering clearances required by Sections 404.2.3 and 404.3.2 shall be permitted to overlap the landing area. Where a door that is

subject to locking is located adjacent to a ramp landing, the landing shall be sized to provide a turning space complying with Section 304.3. 405.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails complying with Section 505

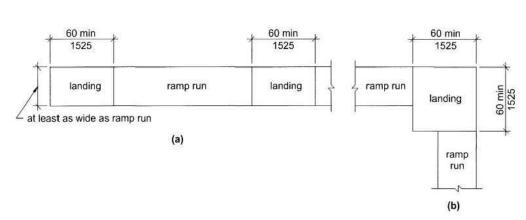


Figure 405.7 Ramp Landings

ARCHITECT

AND ASSOCIATES, LTD. Architecture - Planning - Interior Design

11111 Katy Freeway

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CLIENT NAME:

CALIBER INVESTMENT CORP. P.O. BOX 6153

HUNTSVILLE, TEXAS 77342

PROJECT NAME:

THE WEST HILL **CENTER MALL**

PROJECT LOCATION:

149 COL. ETHERIDGE BLVD. HUNTSVILLE, TEXAS 77340

DATE	ISSUE
10.20.2020	PRELIMINARY
03.05.2021	PERMIT
DATE	03.05.202
SCALE	46 NOTE

AS NOTED PROJECT NUMBER 2023 DRAWN BY SHEET TITLE

STANDARDS

SHEET NUMBER

ANSI Public Areas

TEXAS

ACCESSIBILITY

405 RAMPS

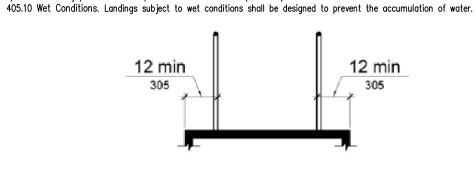
405.9 Edge Protection. Edge protection complying with Section 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp landings

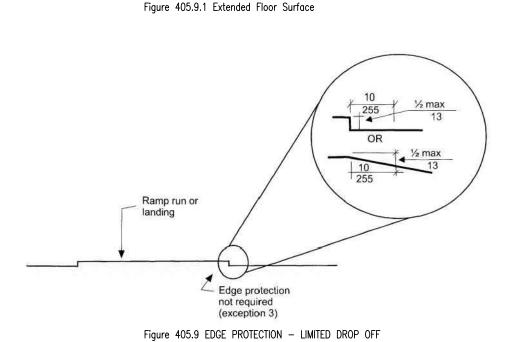
EXCEPTIONS: 1. Edge protection shall not be required on ramp snot required to have handrails and that have flared sides complying with Section 406.3. 2. Edge protection shall not be required on the sides of ramp landings serving an adjoining

ramp run or stairway. 3. Edge protection shall not be required on the sides of ramp landings having a vertical dropoff of 1/2 inch (13 mm) maximum within 10 inches (255 mm) horizontally of the minimum landing area specified in Section 405.7.

4. Edge protection shall not be required on the sides of ramped aisles where the ramps provide access to the adjacent seats and aisle access ways. 405.9.1 Extended Floor Surface. The floor surface of the ramp run or ramp landing shall extend 12 inches (305 mm) minimum beyond the inside face of a railing complying with Section 505. 405.9.2 Curb or Barrier. A curb complying with Section 405.9.2.1 or a barrier complying with Section 409.2.2 shall be

405.9.2.1 Curb. A curb shall be a minimum of 41 inches (100 mm) in height. 405.9.2.2 Barrier. Barriers shall be constructed so that the barrier 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 floor.



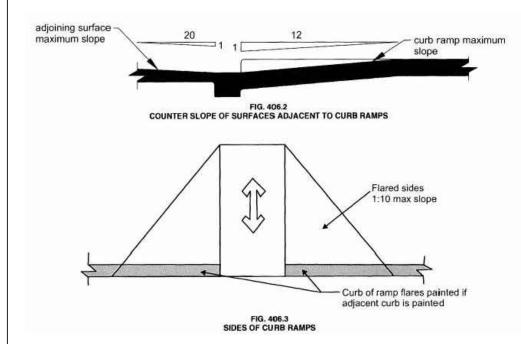


406 CURB RAMPS

406.1 General. Curb ramps on accessible routes shall comply with Sections 406, 405.2, 405.3, 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

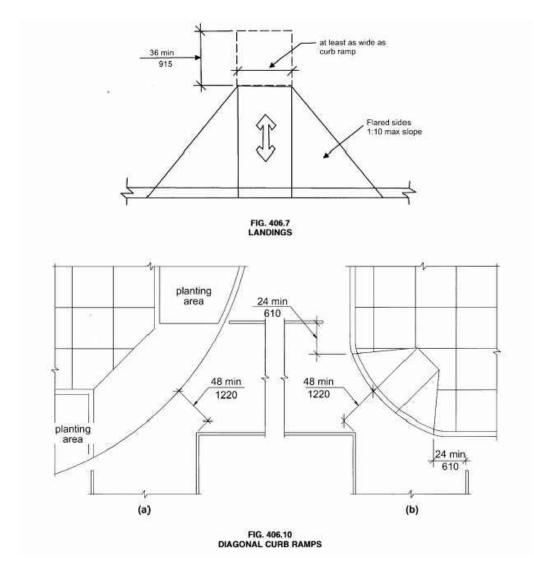
ramps to walks, gutters and streets shall be at the same level. 406.3 Sides of Curb Ramps. Where provided, curb ramp flares shall comply with Section 406.3. 406.3.1 Slope. Flares shall not be steeper than 1:10. 406.3.2 Marking. If curbs adjacent to the ramp flares are painted, the painted surface shall extend along the flared portion of the curb.

406.4 Width. Curb ramps shall be 36 inches (915 mm)minimum in width, exclusive of flared sides. 406.5 Floor Surface. Floor surfaces of curb ramps shall comply with Section 302. 406.6 Location. Curb ramps and the flared sides of curb ramps shall be located so they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.



406.7 Landings. Landings shall be provided at the tops of curb ramps. The clear length of the landing shall be36 inches (915 mm) minimum. The clear width of the landing 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. 406.8 Obstructions. Curb ramps shall be located or protected to prevent their obstruction by

parked vehicles. 406.9 Handrails. Handrails shall not be required on curb ramps. 406.10 Diagonal Curb Ramps. Diagonal or corner type curb ramps with returned curbs or other well defined edges shall have the edges parallel to the direction of pedestrian flow. The bottoms of diagonal curb ramps shall have 48 inches (1220 mm) minimum clear space 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) minimum in length on each side of the curb ramp and within the marked crossing.



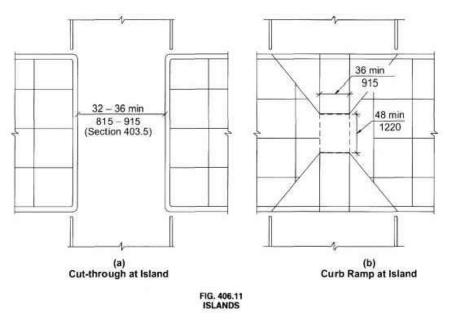
406 CURB RAMPS

406.11 Islands. Raised islands in crossings shall be a 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) minimum in length and 36 inches (915 mm) minimum in width at the top of the curb ramp in the part of the island intersected by the crossings. Each 48-inch (1220 mm) by 36-inch (915 mm) area shall be oriented so the 48-inch (1220 mm) length is in the direction of the running slope of the curb ramp it The 48-inch (1220 mm) by 36-inch (915 mm) areas and the accessible route shall be permitted to overlap.

406.12 Detectable Warnings at Raised Marked Crossings. Marked crossings that are raised to the same level as the adjoining sidewalk shall be preceded by a detectable warning 24 inches (610 mm) in depth complying with Section 705. The detectable warning shall extend the full width of the marked crossing. 406.13 Detectable Warnings at Curb Ramps. Where detectable warnings are provided on curb

ramps, they shall comply with Sections 406.13 and 705. 406.13.1 Area Covered. Detectable warnings shall be 24 inches (610 mm) minimum in depth in the direction of travel. The detectable warning shall extend the full width of the curb ramp or

406.13.2 Location. The detectable warning shall be located so the edge nearest the curb line is 6 inches (150 mm) minimum and 8 inches (205 mm) maximum from the curb line. 406.14 Detectable Warnings at Islands or Cut through Medians. Where detectable warnings are provided on curb ramps or at raised marked crossings leading to islands or cut-through medians, the island or cut-through median shall be provided with detectable warnings complying with Section 705, that are 24 inches (610 mm) in depth, and extend the full width of the pedestrian route or cut-through. Where such island or cut-through median is less than 48 inches (1220 mm) in depth, the entire width and depth of the pedestrian route or cut—through shall have detectable warnings.



401 ELEVATORS

407.1 General. Elevators shall comply with 407 and with ASME A17.1 (incorporated by reference, see "Referenced Standards" in Chapter 1) They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.

407.2 Elevator Landing Requirements. Elevator landings shall comply 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. EXCEPTION: Existing elevators shall be permitted to have recessed call buttons. 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

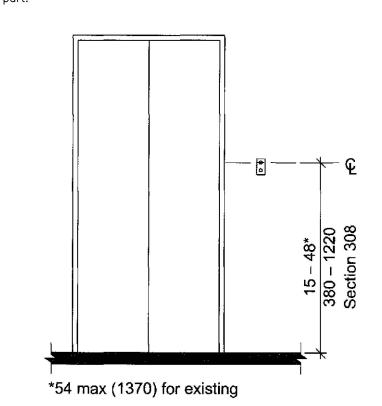


FIG. 407.2.1.1 HEIGHT OF ELEVATOR CALL BUTTONS

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.

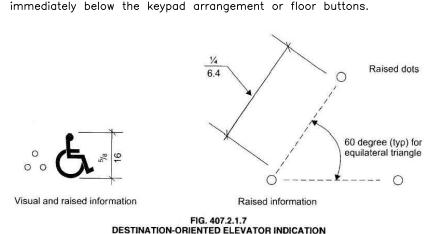
space complying with 305 shall be provided at call controls. 407.2.1.4 Location. The call button that designates the up direction shall be located above the call button that designates the down EXCEPTION: Destination—oriented elevators shall not be required to comply with 407.2.1.4.

407.2.1.3 Clear Floor or Ground Space. A clear floor or ground

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:** 407.2.1.5 provided that visible and audible signals complying with

. Destination—oriented elevators shall not be required to comply 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 Section

407.2.1.7 Destination—oriented Elevator Signals. Destination—oriented elevators shall be provided with a visible signal and audible tones and verbal announcements to indicate which car is responding to a call. The audible tone and verbal announcement shall be activated by pressing a function button. The function button shall be identified by the International Symbol for Accessibility and a raised indication. The International Symbol for Accessibility, complying with Section 703.6.3.1, shall be 5/8 inch (16 mm) in height and be a visual character complying with Section 703.2. The indication shall be three raised dots, spaced 1/4 inch (6.4 mm) at base diameter, in the form of an equilateral triangle. The function button shall be located



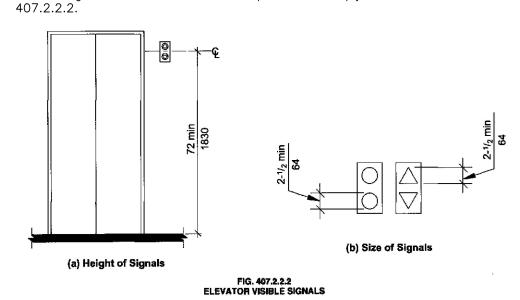
401 ELEVATORS CONT.

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

EXCEPTIONS: 1. Destination—oriented elevators shall not be required to comply with Section 407.2.2.1, provided a visible signal and audible tones and verbal announcements complying with Section 407.2.1.7 are provided. 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 floor. The visible signal elements shall be $2 ext{ } 1/2$ inches (64 mm) minimum between the uppermost and lowest edges of the illuminated shape measured vertically. Signals shall be visible from the floor area adjacent to the hall call button.

. 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 Section

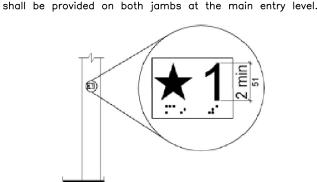


407.2.2.3 Audible Signals. Audible signals shall sound once for the up direction and twice for the down direction, or shall have verbal annunciators that indicate the direction of elevator car travel. Audible signals shall have a frequency of 1500 Hz maximum. Verbal annunciators shall have a frequency of 300 Hz minimum and 3,000 Hz maximum. The audible signal or verbal annunciator shall be 10 dBA minimum above ambient, but shall not exceed 80 dBA, measured at the hall call button.

1. Destination—oriented elevators shall not be required to comply with Section 407.2.2.3, provided the audible tone and verbal announcement is the same as those given at the call 2. The requirement for the frequency and range of audible signals shall not apply in

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.

407.2.3.1 Floor Designation. Floor designations shall be provided in raised characters and braille complying with Sections 703.3 and 703.4. Raised characters shall be 2 inches (51 mm) minimum in height. Floor designations shall be located on both jambs of elevator hoistway entrances. A raised star



Signs at elevator hoistways shall comply with Section 407.2.3.

Destination-oriented elevators shall provide car identification in raised characters and braille complying with Sections 703.3 and 703.4. Raised characters shall be 2 inches (51mm) minimum in height. Car identifications shall be located on both jambs of the hoistway immediately below the floor designation. 407.2.4 Destination Signs.

Where signs indicate that elevators do not serve all landings, signs in raised characters and braille complying with Sections 703.3 and 703.4 shall be provided above the hall call button or keypad. EXCEPTION: Destination oriented elevator systems shall not be required to comply with Section 407.2.4.

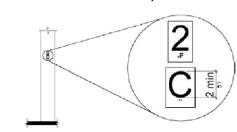


Figure 407.2.3.2 Destination—Oriented Elevator Car Identification 407.3 Elevator Door Requirements.

Hoistway and elevator car doors shall comply with Section 407.3. Elevator doors shall be 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 the following criteria are met: a) The hoistway doors comply with Sections 404.2.2 and 404.2.8; b) The car door closing is not initiated until the hoistway door is closed. 407.3.3 Reopening Device.

Elevator doors shall be provided with a reopening device complying with Section 407.3.3 that shall stop and reopen a car door and hoistway door automatically if the door becomes obstructed by an object or person. EXCEPTION: In existing elevators, manually operated doors shall not be required to comply with Section 407.3.3.

407.3.3.1 Height. The reopening device shall be activated by sensing an obstruction passing through the opening at 5 inches (125 mm) nominal and 29 inches (735 mm) nominal above the floor.

407.3.3.2 Contact. The reopening device shall not require physical contact to be activated, although contact shall be permitted before the door reverses. 407.3.3.3 Duration.

The reopening device 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 call until the doors of that car start to close shall be calculated from the following equation: T = D/(1.5 ft/s) or T = D/(455 mm/s) = 5 secondsminimum, where T equals the total time in seconds and D equals the distance (in feet or millimeters) from the point in the lobby or corridor 60 inches (1525 mm) directly in front of the farthest call button controlling that car to the centerline of its hoistway door.

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 Section 407.3.4. Elevator doors shall remain fully open in response to a car call for 3 seconds minimum.

407.3.6 Width. Elevator door clear opening width shall comply with Table 407.4.1. EXCEPTION: In existing elevators, a power-operated car door complying with Section 404.2.2 shall be permitted.

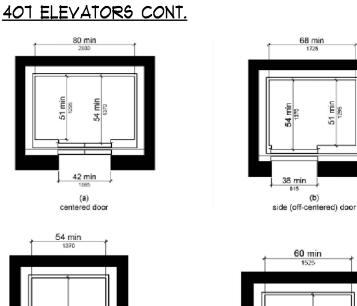
Elevator cars shall comply with Section 407.4. Inside dimensions of elevator cars shall comply with Table 407.4.1.

407.4 Elevator Car Requirements

Section 304 with the door closed are permitted.

EXCEPTION: Existing elevator car configurations that provide a clear floor area of 16 square feet (1.5 m²) minimum, and provide a clear inside dimension of 36 inches (915mm) minimum in width and 54 inches (1370 mm) minimum in depth, shall be permitted.

	Minimum Dimensions			
Door Location	Door Clear Width	Inside Car, Side to Side	Inside car, Back Wall to Front Return	Inside car, Back Wall to Inside Face of Door
Centered	42 inches (1065mm)	80 inches (2030mm)	51 inches (1295mm)	54 inches (1370mm)
Side (off-centered)	36 inches (915mm) ¹	68 inches (1725mm)	51 inches (1295mm)	54 inches (1370mm)
Any	36 inches (915mm) ¹	54 inches (1370mm)	80 inches (2030mm)	80 inches (2030mm)
Any	36 inches (915mm) ¹	60 inches (1525mm) ²	60 inches (1525mm) ²	60 inches (1525mm)
1. A tolerance of minus	5/8 inch (16 mm) is per ons that provide a 36—inch	mitted.	, , ,	,



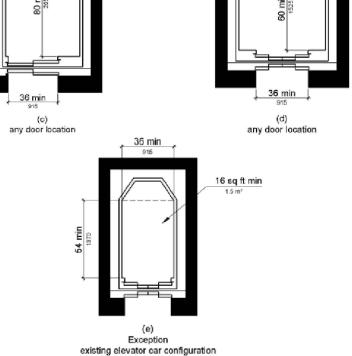


Figure 407.4.1 Elevator Car Dimensions

407.4.2 Floor Surfaces. Floor surfaces in elevator cars shall comply with Section 302. 407.4.3 Platform to Hoistway Clearance. The clearance between the car platform sill and the edge of any hoistway landing shall comply with ASME A17.1/CSA B44 listed in Section 105.2.5.

Each car shall automatically stop and maintain position 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 ASME A17.1/CSA B44 listed in Section 105.2.5. 407.4.6 Elevator Car Controls. Where provided, elevator car controls shall comply with Sections 407.4.6 and 309. EXCEPTION: In existing elevators, where a new car operating panel complying with Section 407.4.6 is provided, existing car operating panels shall not be required to

with Section 407.4.6.

of the panel.

407.4.7.1.2 Location.

button as possible.

sill shall

407.4.6.1 Location. Controls shall be located within one of the reach ranges specified in Section 308. 1. Where the elevator panel complies with Section 407.4.8.

2. In existing elevators, where a parallel approach is provided to the controls, car control buttons with floor designations shall be permitted to be located 54 inches (1370 mm) maximum above the floor. Where the panel is changed, it shall comply with Section 407.4.6.1. 407.4.6.2 Buttons. Car control buttons with floor designations shall be raised or flush, and shall

comply with Section 407.4.6.2. 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.

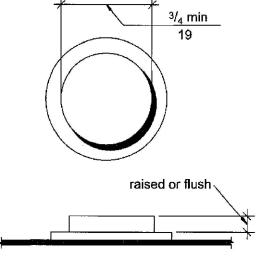
407.4.6.2.2 Arrangement. Buttons shall be arranged with numbers in ascending order. Floors shall be designated \dots -4, -3, -2, -1, 0, 1, 2, 3, 4, etcetera, with floors below the main entry floor designated with minus numbers. Numbers shall be permitted to be omitted, provided the remaining numbers are in sequence. Where a telephone keypad arrangement is used, the number key ("#") shall be utilized to enter the minus symbol ("-"). When two or more columns of buttons are provided they shall read from left to right.

407.4.6.3 Keypads. Where provided, car control keypads shall be in a standard telephone keypad arrangement and shall comply with Section 407.4.7.2. 407.4.6.4 Emergency Controls.

Emergency controls shall comply with Section 407.4.6.4. 407.4.6.4.1 Height. Emergency control buttons shall have their centerlines 35 inches (890 mm)

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

> runs. Other handrails shall comply with Sections 505.10 and 307. EXCEPTION: Handrails shall not be required to be continuous in aisles serving seating where



ELEVATOR CAR CONTROL BUTTONS

407.4.7 Designations and Indicators of Car Controls. Designations and indicators of car controls shall comply with Section 407.4.7. EXCEPTIONS: 1. In existing elevators, where a new car operating panel complying with Section 407.4.7 is provided, existing car operating panels shall not be required to comply with 2. Where existing building floor designations differ from the arrangement required by Section 407.4.6.2.2, or are alphanumeric, a new operating panel shall be permitted to use such existing building floor designations. 407.4.7.1 Buttons.

Car control buttons shall comply with Section 407.4.7.1. 407.4.7.1.1 Type. Control buttons shall be identified by raised characters and braille complying with Sections

Raised character and braille designations shall be placed immediately to the left of the control button to which the designations apply. Where a negative number is used to indicate a negative floor, the braille designation shall be a cell with the dots 3 and 6 followed by the ordinal number. EXCEPTION: Where space on an existing car operating panel precludes raised characters and braille to the left of the control button, markings shall be placed as near to the control

407.4.7.1.3 Symbols. The control button for the emergency stop, glarm, door open, door close, main entry floor and phone, shall be identified with raised symbols and braille as shown in Table 407.4.7.1.3. 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.

504 STAIRWAYS

504.1 General.

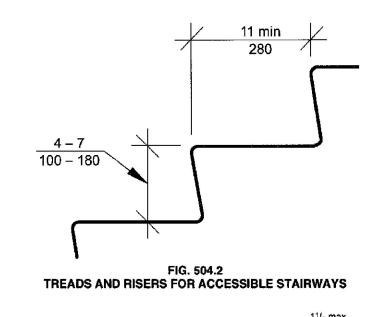
Accessible stairs shall comply with Section 504.

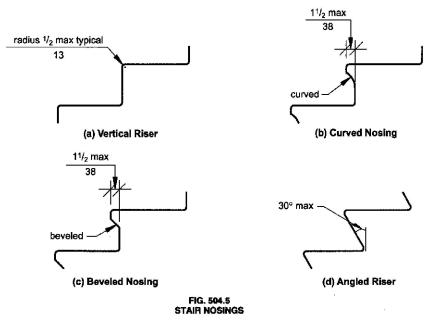
504.2 Treads and Risers. All steps on a flight of stairs shall have uniform riser height and uniform tread depth. Risers shall be 4 inches (100 mm) minimum and 7 inches (180 mm) maximum in height. Treads shall be 11 inches (280 mm) minimum in depth. 504.3 Open Risers.

Open risers shall not be permitted.

504.4 Tread Surface. Stair treads shall comply with Section 302 and shall have a slope not steeper than 1:48. 504.5 Nosings.

The radius of curvature at the leading edge 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 be 1 1/2 inches (38 mm) maximum over the tread or floor below.





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.

504.8 Lighting. Lighting for interior stairways shall comply with Section 504.8. 504.8.1 Illumination Level. Lighting facilities shall be capable of providing 10 foot—candles (108 lux) of

illuminance measured at the center of tread surfaces and on landing surfaces within 24 inches (610 mm) of step nosings. 504.8.2 Lighting Controls. If provided, occupancy—sensing automatic controls shall activate the stairway lighting so the illuminance level required by Section 504.8.1 is provided on the entrance landing, each stair flight adjacent to the entrance landing, and on the landings

above and below the entrance landing prior to any step being used. 504.9 Stair Level Identification. Stair level identification signs in raised characters and braille complying with Sections 703.3 and 703.4 shall be located at each floor level landing in all enclosed stairways adjacent to the door leading from the stairwell into the corridor to identify the floor level.

The exit door discharging to the outside or to the level of exit discharge shall have a sign with raised characters and braille stating "EXIT." 505 HANDRAILS

Handrails required by Section 405.8 for ramps, or Section 504.6 for stairs, shall comply with Section 505.

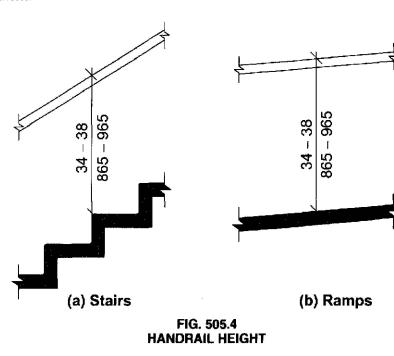
505.2 Location.

Handrails shall be provided on both sides of stairs and ramps. EXCEPTIONS 1. In assembly seating areas, handrails shall not be required on both sides along aisle stairs, provided with a handrail either at the side or within the aisle. 2. In assembly seating areas, handrails shall not be required on the sides of ramped aisles

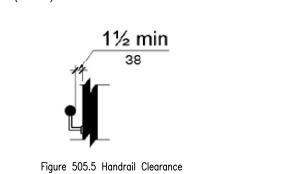
servina seats. 505.3 Continuity. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs or ramps shall be continuous between flights or

handrails are discontinuous to provide access to seating and to permit crossovers within the 505.4 Height. Top of gripping surfaces of handrails shall be 34 inches (865 mm) minimum and 38 inches

(965mm) maximum vertically above stair nosings, ramp surfaces and walking surfaces. Handrails shall be at a consistent height above stair nosings, ramp surfaces and walking surfaces.



505.5 Clearance. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches (38 mm) minimum.



505 HANDRAILS CONT.

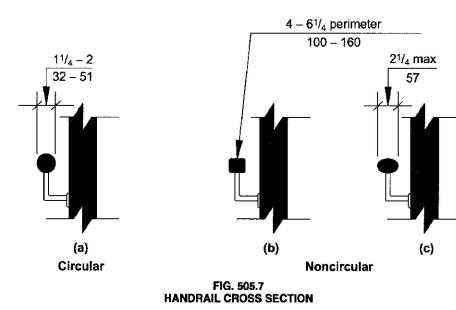
505.6 Gripping Surface. Gripping surfaces shall be continuous, without interruption by newel posts, other construction elements, or obstructions.

1. Handrail brackets or balusters attached to the bottom surface of the handrail shall not be considered obstructions, provided the brackets or balusters comply with the following

a. Not more than 20 percent of the handrail length is obstructed, b. Horizontal projections beyond the sides of the handrail occur 1 1/2 inches (38 mm) minimum below the bottom of the handrail, and provided that for each 1/2 inch (13mm) of additional handrail perimeter dimension above 4 inches (100 mm), the vertical clearance dimension of 1 1/2 inch (38 mm) can be reduced by 1/8 inch (3.2mm), and c. Edges shall be rounded.

2. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards. 505.7 Cross Section. Handrail gripping surfaces shall have a cross section complying with 505.7.1 or 505.7.2.

505.7.1 Circular Cross Section. Handrails with a circular cross section shall have an outside diameter of 1 1/4 inches (32 mm)minimum and 2 inches (51mm) maximum. 505.7.2 Non-Circular Cross Sections. Handrails with a noncircular cross section shall have a perimeter dimension of 4 inches (100 mm) minimum and 6 1/4 inches (160 mm) maximum, and a cross-section dimension of 2 1/4 inches (57 mm) maximum.



Handrails, and any wall or other surfaces adjacent to them, shall be free of any sharp or abrasive elements. Edges shall be rounded.

505.9 Fittings. Handrails shall not rotate within their fittings. 505.10 Handrail Extensions. Handrails shall extend beyond and in the same direction of stair flights and ramp runs in

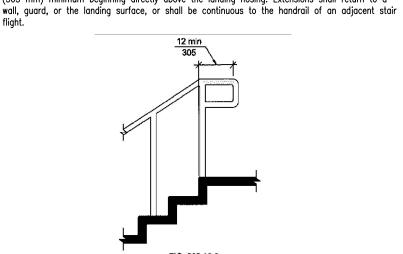
accordance with Section 505.10. 1. Continuous handrails at the inside turn of stairs and ramps. 2. Handrail extensions are not required in aisles serving seating where the handrails are discontinuous to provide access to seating and to permit crossovers within the

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 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or floor,

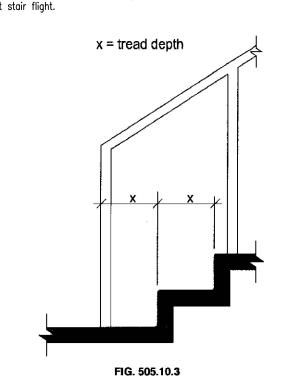
Figure 505.10.1 Top and Bottom Handrail Extension at Ramps

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 landing nosing. Extensions shall return to a

or shall be continuous to the handrail of an adjacent ramp run.



505.10.3 Bottom Extension at Stairs. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance equal to one tread depth beyond the bottom tread nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail



BOTTOM HANDRAIL EXTENSIONS AT STAIRS

506 WINDOWS

Accessible windows shall have operable parts complying with Section 309.

ARCHITECT

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CLIENT NAME:

CALIBER INVESTMENT CORP.

P.O. BOX 6153 HUNTSVILLE, TEXAS 77342

THE WEST HILL **CENTER MALL**

PROJECT LOCATION:

149 COL ETHERIDGE BLVD. HUNTSVILLE, TEXAS 77340

DATE	ISSUE
10.20.2020	PRELIMINARY
03.05.2021	PERMIT
DATE	
DAIL	03.05.2021
SCALE	AS NOTED
PROJECT NU	MBER 2023

ANSI Public Areas

DRAWN BY

PROJECT NAME:

SHEET TITLE TEXAS

SHEET NUMBER

ACCESSIBILITY STANDARDS

602.1 General. Accessible drinking fountains shall comply with Sections 602 and 307.

602.2 Clear Floor Space. A clear floor space complying with Section 305, positioned for a forward approach to the drinking fountain, shall be provided. Knee and toe space complying with Section 306 shall be provided. The clear floor space shall be centered on the drinking fountain.

1. Drinking fountains for standing persons.

2. Drinking fountains primarily for children's use shall be permitted where the spout outlet is 30 inches (760 mm) maximum above the floor, a parallel approach complying with Section 305 is provided and the clear floor space is centered on the

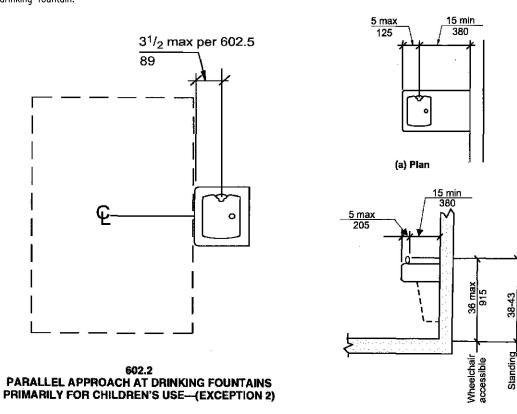


FIG. 602.5 DRINKING FOUNTAIN SPOUT LOCATION

602.3 Operable Parts. Operable parts shall comply with Section 309.

602.4 Spout Outlet Height.

Spout outlets of wheelchair accessible drinking fountains shall be 36 inches (915 mm) maximum above the floor. Spout outlets of drinking fountains for standing persons shall be 38 inches (965mm) minimum and 43 inches (1090 mm) maximum above the floor. 602.5 Spout Location.

The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125mm) maximum from the front edge of the drinking fountain, including bumpers. Where only a parallel approach is provided, the spout shall be located 3 1/2 inches (90 mm) maximum from the front edge of the drinking fountain, including bumpers.

The spout shall provide a flow of water 4 inches (100 mm) minimum in height. The angle of the water stream from spouts within 3 inches (75 mm) of the front of the drinking fountain shall be 30 degrees maximum, and from spouts between 3 inches (75 mm) and 5 inches (125 mm) from the front of the drinking fountain shall be 15 degrees maximum, measured horizontally relative to the front face of the drinking fountain.

603 TOILET AND BATHING ROOMS

Accessible toilet and bathing rooms shall comply with Section 603. 603.2 Clearances. 603.2.1 Turning Space.

A turning space complying with Section 304 shall be provided within the room. The required turning space shall not be provided within a toilet compartment. 603.2.2 Door Swing.

Doors shall not swing into the clear floor space or clearance for any fixture.

1. Doors to a toilet or bathing room for a single occupant, accessed only through a private office and not for common use or public use shall be permitted to swing into the clear floor space, provided the swing of the door can be reversed to comply with Section 603.2.2

2. Where the room is for individual use and a clear floor space complying with Section 305.3 is provided within the room beyond the arc of the door swing, the door shall not be required to comply with Section 603.2.2.

Where mirrors are located above lavatories, a mirror shall be located over the accessible avatory and shall be mounted with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor. Where mirrors are located above counters that do not contain lavatories, the mirror shall be mounted with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor. EXCEPTION: Other than within Accessible dwelling or sleeping units, mirrors are not required over the layatories or counters if a mirror is located within the same toilet or bathing room and mounted with the bottom edge of the reflecting surface 35 inches

(890 mm) maximum above the floor. 603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in Section 308. Shelves shall be 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum

603.5 Diaper Changing Tables.

Diaper changing tables shall comply with Sections 309 and 902 603.6 Operable Parts.

Operable parts on towel dispensers and hand dryers serving accessible lavatories shall comply with Table 603.6

		MAXIMUM	TABLE 603.6 REACH DEPTH AN	D HEIGHT		
Maximum	0.5 inch	2 inches	5 inches	6 inches	9 inches	11 inches
Reach Depth	(13 mm)	(51 mm)	(125 mm)	(150 mm)	(230 mm)	(280 mm)
Maximum	48 inches	46 inches	42 inches	40 inches	36 inches	34 inches
Reach Height	(1220 mm)	(1170 mm)	(1065 mm)	(1015 mm)	(915 mm)	(865 mm)

604 WATER CLOSETS AND TOILET COMPARTMENTS

Accessible water closets and toilet compartments shall comply with Section 604. Compartments containing more than one plumbing fixture shall comply with Section 603. Wheelchair accessible compartments shall comply with Section 604.9. Ambulatory accessible compartments shall comply with Section 604.10. EXCEPTION: Water closets and toilet compartments primarily for children's use shall be permitted to comply with Section 604.11 as applicable. 604.2 Location.

The water closet shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum and 18 inches (455 mm) maximum from the side wall or partition. Water closets located in ambulatory accessible compartments specified in Section 604.10 shall have the centerline of the water closet 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition.

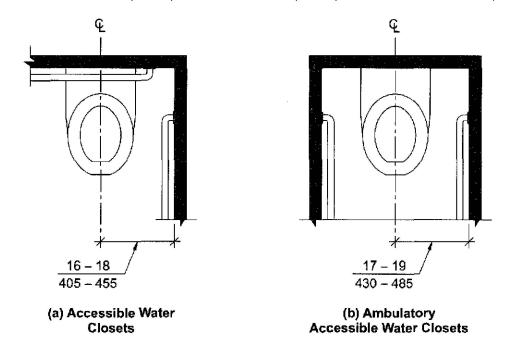


FIG. 604.2 WATER CLOSET LOCATION

604.3 Clearance

604.3.1 Clearance width. Clearance around a water closet shall be 60 inches (1525 mm) minimum in width, measured perpendicular from the

604.3.2 Clearance Depth. Clearance around the water closet shall be 56 inches (1420 mm) minimum in depth, measured perpendicular from the rear

604 WATER CLOSETS AND TOILET COMPARTMENTS CONT.

above the floor, measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

not for common use or public use, shall not be required to comply with Section 604.4.

EXCEPTION: A water closet in a toilet room for a single occupant, accessed only through a private office and

604.3.3 Clearance Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, paper dispensers, sanitary napkin receptacles, coat hooks, shelves, accessible routes, clear floor space at other fixtures and the turning space. No other fixtures or obstructions shall be within the required water closet 604.4 Height. The height of water closet seats shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum

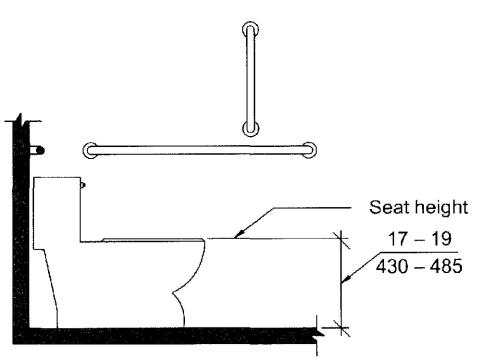
Other fixtures not allowed within this area 1525

Grab bars for water closets shall comply with Section 609 and shall be provided in accordance with Sections 604.5.1 and 604.5.2. Grab bars shall be provided on the rear wall and on the sidewall closest to the water closet.

FIG. 604.3 SIZE OF CLEARANCE FOR WATER CLOSET

I. Grab bars are not required to be installed in a toilet room for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with Section 604.5. 2. In detention or correction facilities, grab bars are not required to be installed in housing or holding cells or rooms that are specially designed without protrusions for purposes of suicide prevention. 604.5.1 Fixed Side Wall Grab Bars.

Fixed side-wall grab bars shall be 42 inches (1065 mm) minimum in length, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall. In addition, a vertical grab bar 18 inches (455 mm) minimum in length shall be mounted with the bottom of the bar located 39 inches (990 mm) minimum and 41 inches (1040 mm) maximum above the floor, and with the center line of the bar located 39 inches (990 mm) minimum and 41 inches (1040 mm) maximum from the rear wall. EXCEPTION: The vertical grab bar at water closets primarily for children's use shall comply with Section 609.4.2.



Note: For children's dimensions see Fig. 604.11.4

FIG. 604.4 **WATER CLOSET SEAT HEIGHT**

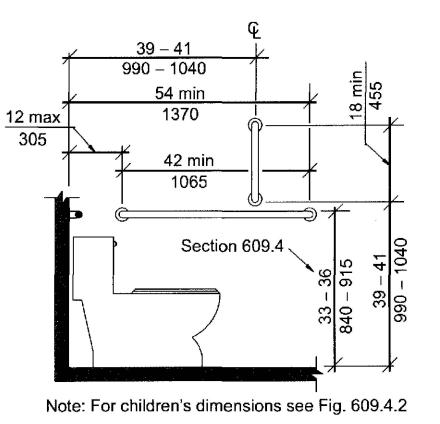
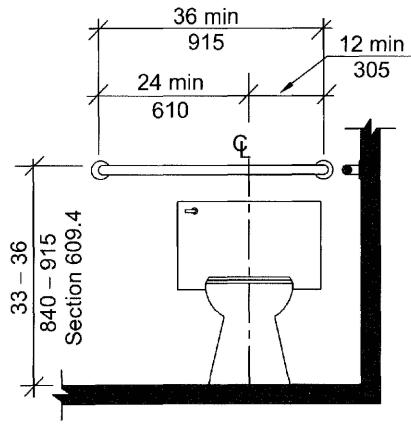


FIG. 604.5.1 SIDE WALL GRAB BAR FOR WATER CLOSET

604.5.2 Rear Wall Grab Bars The rear wall grab bar shall be 36 inches (915 mm) minimum in length, and extend from the centerline of the water closet 12 inches (305 mm) minimum on the side closest to the wall, and 24 inches (610 mm) minimum on the transfer

EXCEPTIONS: 1. The rear grab bar shall be permitted to be 24 inches (610 mm) minimum in length, centered on the water closet, where wall space does not permit a grab bar 36 inches (915 mm) minimum in length due to the location of a recessed 2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, that grab bar shall be permitted to be split or shifted to the open side of the toilet

604 WATER CLOSETS AND TOILET COMPARTMENTS CONT.



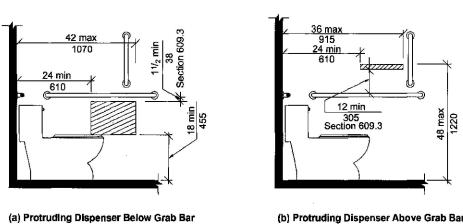
Note: For children's dimensions see Fig. 609.4.2

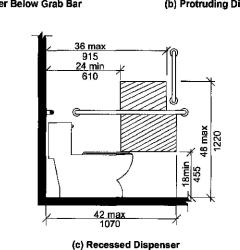
FIG. 604.5.2 **REAR WALL GRAB BAR FOR WATER CLOSET**

604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 309. Flush controls shall be located on the open side of the water closet. EXCEPTION: In ambulatory accessible compartments complying with Section 604.10, flushcontrols shall be permitted to be located on either side of the water closet.

Toilet paper dispensers shall comply with Section 309.4. Where the dispenser is located above the grab bar, the outlet of the dispenser shall be located within an area 24 inches (610 mm) minimum and 36 inches (915 mm) maximum from the rear wall. Where the dispenser is located below the grab bar, the outlet of the dispenser shall be located within an area 24 inches (610 mm) minimum and 42 inches (1065 mm) maximum from the rear wall. The outlet of the dispenser shall be located 18 inches (455 mm) minimum and 48 inches (1220 mm) maximum above the floor. Dispensers shall comply with Section 609.3. Dispensers shall not be of a type that control delivery, or do not allow continuous paper flow. 604.8 Coat Hooks and Shelves.

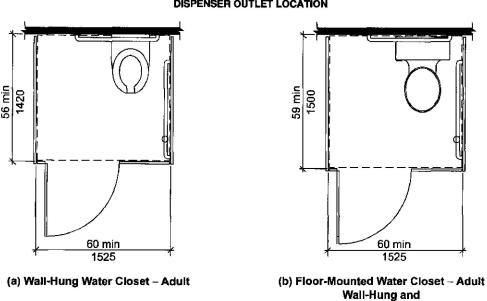
Coat hooks provided within toilet compartments shall be 48 inches (1220 mm) maximum above the floor. Shelves shall be 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum





Note: For children's dimensions see Fig. 604.11.7 dispenser outlet location

DISPENSER OUTLET LOCATION



Floor-Mounted Water Closet - Children FIG. 604.9.2 WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS

604.9 Wheelchair Accessible Compartments.

Wheelchair accessible compartments shall comply with Section 604.9.

required minimum area of the compartment.

Toilet compartments shall comply with Section 604.9.2.1 or 604.9.2.2 as applicable.

604.9.2.1 Minimum area. The minimum area of a wheelchair accessible compartment shall be 60 inches (1525 mm) minimum in width measured perpendicular to the side wall, and 56 inches (1420 mm) minimum in depth for wall hung water

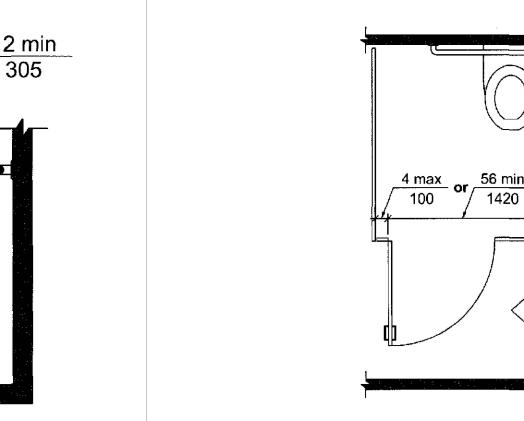
closets, and 59 inches (1500 mm) minimum in depth for floor mounted water closets measured perpendicular to the rear wall. 604.9.2.2 Compartment for children's use. The minimum area of a wheelchair accessible compartment primarily for children's use shall be 60 inches (1525 mm) minimum in width measured perpendicular to the side wall, and 59 inches (1500 mm) minimum in depth

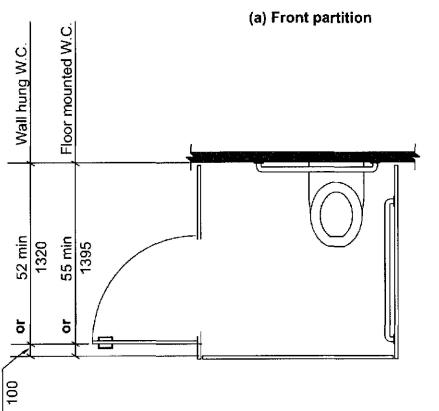
for wall hung and floor mounted water closets measured perpendicular to the rear wall. 604.9.3 Doors. Toilet compartment doors, including door hardware, shall comply with Section 404, except if the approach is to the latch side of the compartment door clearance between the door side of the stall and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with Section 404.2.6 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the

604.9.3.1 Door Opening Location. The farthest edge of toilet compartment door opening shall be located in the front wall or

Door Opening Location	Measured From	Dimension
	From the side wall or partition closest to the water closet	56 inches (1420 mm) minimum
Front Wall or Partition	or	
	From the side wall or partition farthest from the water closet	4 inches (100 mm) maximum
Side Wall or Partition Wall-Hung Water Closet	From the rear wall	52 inches (1320 mm) minimum
	or	
	From the front wall or partition	4 inches (100 mm) maximum
Side Wall or Partition Floor-Mounted Water Closet	From the rear wall	55 inches (1395 mm) minimum
	OF	,
	From the front wall or partition	4 inches (100 mm) maximum

604 WATER CLOSETS AND TOILET COMPARTMENTS CONT.





(b) Side wall or partition

FIG. 604.9.3.1 WHEELCHAIR ACCESSIBLE COMPARTMENT DOOR OPENINGS

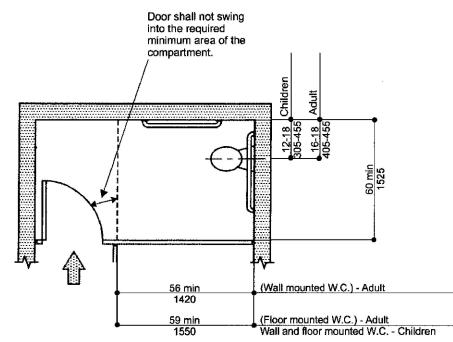


FIG. 604.9.3.1 (C) WHEELCHAIR ACCESSIBLE COMPARTMENT DOOR OPENINGS-ALTERNATE

Wheelchair accessible compartments shall be arranged for left-hand or right-hand approach to the water closet. Toe clearance for compartments primarily for children's use shall comply with Section 604.9.5.2. Toe clearance for other wheelchair accessible compartments shall comply with Section 604.9.5.1 604.9.5.1 Toe Clearance at Compartments.

The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the floor and extending 6 inches (150 mm) beyond the compartment side face of the partition, exclusive of partition support members. 1. Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) in depth with a wall-hung water closet, or greater than 65 inches (1650 mm) in depth with a floor-mounted water

2. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) in 604.9.5.2 Toe Clearance at Compartments for Children's Use. The front partition and at least one side partition of compartments primarily for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the floor and extending 6 inches (150 mm) beyond the compartment side face of the partition, exclusive of partition support members.

1. Toe clearance at the front partition is not required in a compartment greater than 65 inches (1650 mm) in 2. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) in

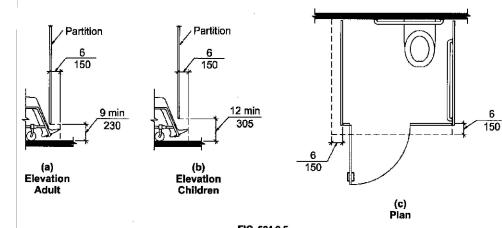


FIG. 604.9.5 WHEELCHAIR ACCESSIBLE COMPARTMENT TOE CLEARANCE

604.9.6 Grab Bars. Grab bars shall comply with Section 609. Side wall grab bars complying with Section 604.5.1 located on the wall closest to the water closet, and a rear wall grab bar complying with Section 604.5.2, shall be provided. 604.10 Ambulatory Accessible Compartments. 604.10.1 General. Ambulatory accessible compartments shall comply with Section 604.10.

604.10.2 Size.

The minimum area of an ambulatory accessible compartment shall be 60 inches (1525 mm) minimum in depth and 36 inches (915 mm) in width.

Toilet compartment doors, including door hardware, shall comply with Section 404, except if the approach is to the latch side of the compartment door the clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self closing. A door pull complying with Section 404.2.6 shall be placed on both sides of the door near the latch. Compartment doors shall not swing into the required minimum area of the compartment.

604.10.4 Grab Bars. Grab bars shall comply with Section 609. Side wall grab bars complying with Section 604.5.1 shall be provided on both sides of the compartment.

604 WATER CLOSETS AND TOILET COMPARTMENTS CONT. 608 SHOWERS CONT.

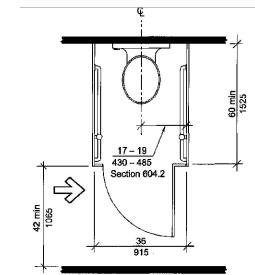
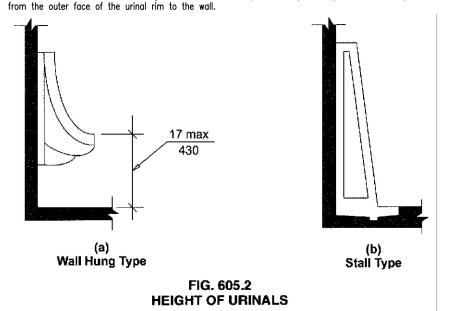


FIG. 604.10 AMBULATORY ACCESSIBLE COMPARTMENT 605 URINALS

605 Urinals 605.1 General. Accessible urinals shall comply with Section 605. 605.2 Height and Depth.

Urinals shall be of the stall type or shall be of the wall hung type with the rim at 17 inches (430 mm) maximum above the floor. Wall hung urinals shall be 13 1/2 inches (345 mm) minimum in depth measured



605.3 Clear Floor Space. A clear floor space complying with Section 305, positioned for forward approach, shall be Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply

606 LAVATORIES AND SINKS

with Section 309.

606.1 General. Accessible lavatories and sinks shall comply with Section 606. 606.2 Clear Floor Space.

and sinks used primarily by children ages 5 and younger.

A clear floor space complying with Section 305.3, positioned for forward approach, shall be provided. Knee and measured at the center point of opposing sides. An entry 36 inches (915) mm toe clearance complying with Section 306 shall be provided. The dip of the overflow shall not be considered in minimum in width shall be provided at one end of the 60-inch (1525 mm) width determining knee and toe clearances.

1. A parallel approach complying with Section 305 and centered on the sink, shall be permitted to a kitchen sink in a space where a cook top or conventional range is not provided. 2. The requirement for knee and toe clearance shall not apply to a lavatory in a toilet or bathing facility for a single occupant, accessed only through a private office and not for common use or public use. 3. A knee clearance of 24 inches (610 mm) minimum above the floor shall be permitted at lavatories and sinks used primarily by children ages 6 through 12 where the rim or counter surface is 31 inches (785 mm) | occupant, accessed only through a private office and not for common use or maximum above the floor. 4. A parallel approach complying with Section 305 and centered on the sink, shall be permitted at lavatories permit the installation of a shower seat.

6. A parallel approach complying with Section 305 and centered on the sink, shall be permitted at wet bars. The front of lavatories and sinks shall be 34 inches (865 mm) maximum above the floor, measured to the EXCEPTION: A lavatory in a toilet or bathing facility for a single occupant, accessed only through a private office and not for common use or public use, shall not be required to comply with Section 606.3.

5. The requirement for knee and toe clearance shall not apply to more than one bowl of a multibowl sink.

Faucets shall comply with Section 309. Hand-operated metering faucets shall remain open for 10 seconds 606.5 Lavatories with Enhanced Reach Range. Where enhanced reach range is required at lavatories, faucets and soap dispenser controls shall have a reach

depth of 11 inches (280 mm) maximum or, if automatic, shall be activated within a reach depth of 11 inches (280 mm) maximum. Water and soap flow shall be provided with a reach depth of 11 inches (280 606.6 Exposed Pipes and Surfaces. Water supply and drainpipes under lavatories and sinks shall be insulated or otherwise configured to protect

against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

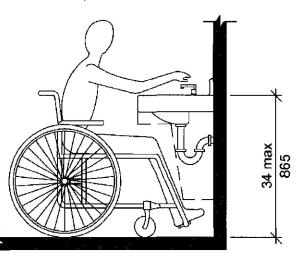
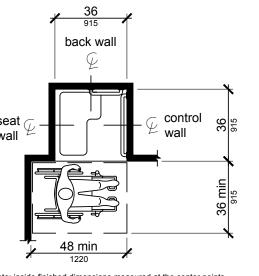


FIG. 606.3 **HEIGHT OF LAVATORIES AND SINKS**

<u>608 SHOWERS</u>

608.1 General. Accessible shower compartments shall comply with Section 608.

608.2 Size, clearance and seat. Shower compartments shall have sizes, clearances and seats complying with Section 608.2. 608.2.1 Transfer-type Shower Compartments. Transfer-type shower compartments shall comply with Section 608.2.1.



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

Figure 608.2.1 Transfer Type Shower Compartment Size and Clearance

the wall opposite the control wall.

608 2 2 1 Size

in width shall be provided.

to permit the installation of a shower seat.

608.2.2 Standard Roll-in-type Shower Compartments.

Transfer-type shower compartments shall have a clear inside dimension of inches (915 mm) in width and 36 inches (915 mm) in depth, measured at the center point of opposing sides. An entry 36 inches (915 mm) minimum in width shall be provided.

Exception: A seat is not required to be installed in a shower for a single

Standard roll-in-type shower compartments shall have a clear inside dimensi

inches (1525 mm) minimum in width and 30 inches (760 mm) minimum in

measured at the center point of opposing sides. An entry 60 inches (1525 mm

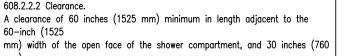
608.2.1.2 Clearance. A clearance of 48 inches (1220 mm) minimum in length measured perpendicula

AND ASSOCIATES, LTD. from the control wall, and 36 inches (915 mm) minimum in depth shall be provided adjacent to the open face of the compartment. 608.2.1.3 Seat. Architecture - Planning - Interior Design A folding or non-folding seat complying with Section 610 shall be provided or

occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as Houston, Texas Standard roll-in-type shower compartments shall comply with Section 608.2.2

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ARCHITEC



minimum in depth, shall be provided. EXCEPTION: A lavatory complying with Section 606 sha II be permitted at the er

the clearance opposite the seat. 608.2.2.3 Seat. A folding seat complying with Section 610 shall be provided on an end wall

1. A seat is not required to be installed in a shower for a single occupant accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of a shower seat. 2. A fixed seat shall be permitted where the seat does not overlap the minin

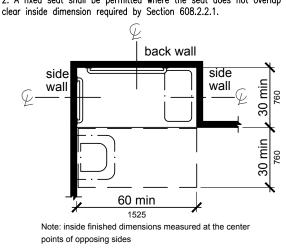


Figure 608.2.2 Standard Roll-In Type Shower Compartment Size and Clearance

608.2.3 Alternate Roll-in-type Shower Compartments. Alternate roll-in-type shower compartments shall comply with Section 608.2.

Alternate roll-in shower compartments shall have a clear inside dimension of 60 inches (1525 mm) minimum in width, and 36 inches (915 mm) in depth, of the compartment. A seat wall, 24 inches (610 mm) minimum and 36 inches (915 mm) maximum in length, shall be provided on the entry side of the

608.2.3.2 Seat. A folding seat complying with Section 610 shall be provided on the seat wall opposite the back wall. EXCEPTION: A seat is not required to be installed in a shower for a single public use, provided reinforcement has been installed in walls and located so as

back wall

Note: inside finished dimensions measured at the center points of opposing sides Figure 608.2.3 Alternate Roll—In

shall be installed at the same height above the floor.

to a point 18 inches (455 mm) from the control wall.

608.3.1 Transfer-Type Showers.

608.3.1.1 Horizontal Grab Bars.

608.3.1.2 Vertical Grab Bar.

Type Shower Compartment Size and Clearance

occupant, accessed only through a private office and not for common use or

Horizontal grab bars shall be provided across the control wall and on the back

A vertical grab bar 18 inches (455 mm) minimum in length shall be provided o

maximum above the horizontal grab bar, and 4 inches (100 mm) maximum inwe

the control end wall 3 inches (75 mm) minimum and 6 inches (150 mm)

permit the installation of grab bars complying with Section 608.3.

Grab bars for transfer type showers shall comply with Section 608.3.1.

Grab bars shall comply with Section 609 and shall be provided in accordance wi

Section 608.3. Where multiple grab bars are used, required horizontal grab bars DATE

CENTER MALL

PROJECT NAME:

CLIENT NAME:

P.O. BOX 6153

CALIBER INVESTMENT CORP.

HUNTSVILLE, TEXAS 77342

PROJECT LOCATION:

149 COL ETHERIDGE BLVD.

HUNTSVILLE, TEXAS 77340

EXCEPTION: Grab bars are not required to be installed in a shower for a single | 10.20.2020 PRELIMINARY public use, provided reinforcement has been installed in walls and located so as 03.05.2021

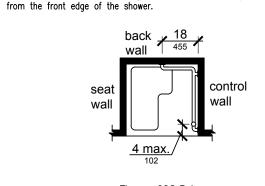


Figure 608.3.1 Grab Bars for Transfer Type Showers

608.3.2 Standard Roll-in-Type Showers. In standard roll—in type showers, a grab bar shall be provided on the back wall beginning at the edge of the seat. The grab bars shall not be provided above the seat. The back wall grab bar shall extend the length of the wall but shall not bl required to exceed 48 inches (1220 mm) in length. Where a side wall is provide opposite the seat within 72 inches (1830 mm) of the seat wall, a grab bar shabe provided on the side wall opposite the seat. The side wall grab bar shall exte the length of the wall but shall not be required to exceed 30 inches (760 mm) length. Grab bars shall be 6 inches (150 mm) maximum from the adjacent wall

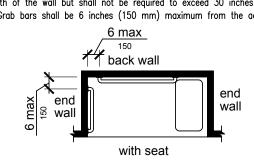


Figure 608.3.2 Grab Bars in Standard Roll—In Type Showers

AS NOTED PROJECT NUMBER 2023 **DRAWN BY** SHEET TITLE TEXAS ACCESSIBILITY

03.05.2021

STANDARDS

SHEET NUMBER

ANSI Public Areas

608 SHOWERS CONT

608.3.3 Alternate Roll-in-Type Showers. In alternate roll-in type showers, grab bars shall be provided on the back wall and the end wall adjacent to the seat. Grab bars shall not be provided above the seat. Grab bars shall be 6 inches (150 mm) maximum from the adjacent

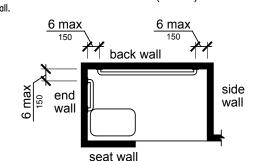
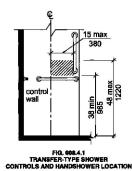


Figure 608.3.3 Grab Bars in Alternate Roll—In Type Showers

608.4 Controls and Hand Showers. Controls and hand showers shall comply with Sections 608.4 and 309.4. 608.4.1 Transfer-Type Showers. In transfer-type showers, the controls and hand shower shall be located: 1. On the control wall opposite the seat.

2. At a height of 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower floor, and 3. 15 inches (380 mm) maximum, from the centerline of the control wall toward the shower opening.



608.4.2 Standard Roll-in Showers. In standard roll-in showers, the controls and hand shower shall be located on the back wall above the grab bar, 48 inches (1220 mm) maximum above the shower floor and 16 inches (405 mm) minimum and 27 inches (685 mm) maximum from the end wall behind the seat

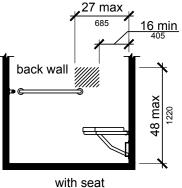


Figure 608.4.2 Standard Roll-In Type Shower Compartment Control Location

608.4.3 Alternate Roll-in Showers. In alternate roll—in showers, the controls and hand shower shall be located 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower floor. In alternate roll-in showers with controls and hand shower located on the end wall adjacent to the seat, the controls and hand shower shall be 27 inches (685 mm) maximum from the seat wall. In alternate roll-in showers with the controls and hand shower located on the back wall opposite the seat, the controls and hand shower shall be located within 15 inches (380 mm), left or

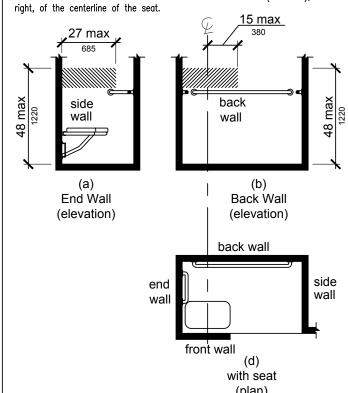


Figure 608.4.3 Alternate Roll—In Type Shower Compartment Control Location

A hand shower with a hose 59 inches (1500 mm) minimum in length, that can be used both as a fixed shower head and as a hand shower, shall be provided. The hand shower shall have a control with a nonpositive shut-off feature. Where provided, an adjustable-height hand shower mounted on a vertical bar shall be installed so as to not obstruct the use of grab bars. EXCEPTION: In other than Accessible units and Type A units, a fixed shower head located 48 inches (1220 mm) maximum above the shower floor shall be permitted in lieu of a hand shower.

Thresholds in roll-in-type shower compartments shall be 1/2 inch (13 mm) maximum in height in accordance with Section 303. In transfer-type shower compartments, thresholds 1/2 inch (13mm) maximum in height shall be beveled, rounded, or vertical. EXCEPTION: In existing facilities, in transfer—type shower compartments where provision of a threshold 1/2 inch (13 mm) in height would disturb the structural reinforcement of the floor slab, a threshold 2 inches (51 mm) maximum in height shall be permitted. 608.7 Shower Enclosures.

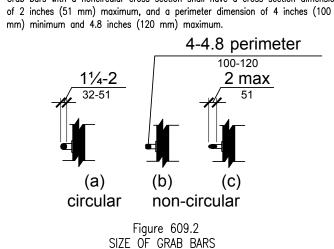
Shower compartment enclosures for shower compartments shall not obstruct controls or obstruct transfer from wheelchairs onto shower seats. 608.8 Water Temperature. Showers shall deliver water that is 120°F (49°C) maximum.

609 GRAB BARS

609 Grab Bars 609.1 General.

Grab bars in accessible toilet or bathing facilities shall comply with Section 609. 609.2 Cross Section. Grab bars shall have a cross section complying with Section 609.2.1 or 609.2.2 609.2.1 Circular Cross Section. Grab bars with a circular cross section shall have an outside diameter of 1 1/4

inch (32 mm) minimum and 2 inches (51 mm) maximum. 609.2.2 Noncircular Cross Section. Grab bars with a noncircular cross section shall have a cross section dimension



609 GRAB BARS CONT.

609.3 Spacing. The space between the wall and the grab bar shall be $1 \frac{1}{2}$ inches (38 mm). The space between the grab bar and projecting objects below and at the ends of the grab bar shall be 1 1/2 inches (38 mm) minimum. The space between the grab bar and projecting objects above the grab bar shall be 12 inches (305 mm) minimum.

EXCEPTIONS: 1. The space between the grap bars and shower controls, shower fittings, and other grab bars above the grab bar shall be permitted to be 1 1/2 inches (38 mm) minimum. 2. Recessed dispensers projecting from the wall 1/4 inch (6.4 mm) maximum measured from the face of the dispenser and complying with Section 604.7 shall be permitted within the 12-inch (305 mm) space above and the 1 1/2 inch (38 mm) spaces below and at the ends of the grab bar.

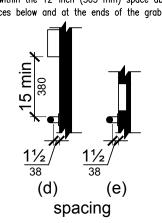


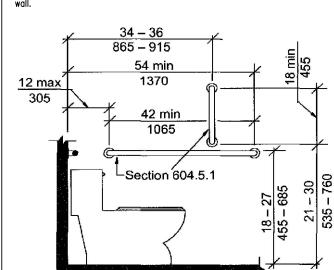
Figure 609.2 SPACING OF GRAB BARS

609.4 Position of Grab Bars. 609.4.1 General.

minimum and 36 inches (915 mm) maximum above the floor measured to the top of the gripping surface or shall be installed as required by Items 1 1. The lower grab bar on the back wall of a bathtub shall comply with Section 607.4.1.1 or 607.4.2.1. 2. Vertical grab bars shall comply with Sections 604.5.1, 607.4.1.2.2, 607.4.2.2, and 608.3.1.2. 3. Grab bars at water closets primarily for children's use shall comply with

Grab bars shall be installed in a horizontal position, 33 inches (840 mm)

Section 609.4.2. 609,4.2 Position of Children's Grab Bars. At water closets primarily for children's use complying with Section 604.11, grab bars shall be installed in a horizontal position 18 inches (455 mm) minimum and 27 inches (685 mm) maximum above the floor measured to the top of the gripping surface. A vertical grab bar shall be mounted with the bottom of the bar located between 21 inches (535 mm) minimum and 30 inches (760 mm) maximum above the floor and with the centerline of the bar located between 34 inches (865 mm) minimum and 36 inches (915 mm) maximum from the rear



Note: For adult dimensions see Fig. 604.5.1

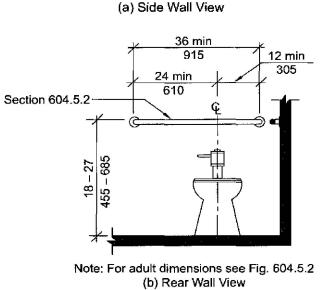


Figure 609.4.2 POSITION OF CHILDREN'S GRAB BARS

609.5 Surface Hazards. Grab bars, and any wall or other surfaces adjacent to grab bars, shall be free

of sharp or abrasive elements. Edges shall be rounded. Grab bars shall not rotate within their fittings

609.7 Installation and Configuration. Grab bars shall be installed in any manner that provides a gripping surface at the locations specified in this standard and does not obstruct the clear floor space. Horizontal and vertical grab bars shall be permitted to be separate bars. a single piece bar, or combination thereof.

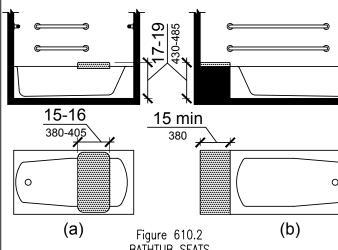
609.8 Structural Strenath. Allowable stresses shall not be exceeded for materials used where a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the grab bar, fastener mounting device, or supporting structure.

<u>610 SEATS</u>

610.1 General.

Seats in accessible bathtubs and shower compartments shall comply with 610.2 Bathtub Seats

The height of bathtub seats shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom floor, measured to the top of the seat. Removable in-tub seats shall be 15 inches (380 mm) minimum and 16 inches (405 mm) maximum in depth. Removable in—tub seats shall be capable of secure placement. Permanent seats shall be 15 inches (380 mm) minimum in depth and shall extend from the back wall to or beyond the outer edge of the bathtub. Permanent seats shall be positioned at the head end of



BATHTUR SFATS 610.3 Shower Compartment Seats. The height of shower compartment seats shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom floor, measured to the top of the seat. In transfer—type and alternate roll—in—type showers, the seat shall extend along the seat wall to a point within 3 inches (75 mm) of the compartment entry. In standard roll—in—type showers, the seat shall extend from the control wall to a point within 3 inches (75 mm) of the compartment entry. Seats shall comply with Section 610.3.1 or 610.3.2.

610 SEATS CONT

The rear edge of a rectangular seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The side edge of the seat shall be 1 1/2

inches (38 mm) maximum from the back wall of a transfer-type shower and 1 1/2 inches (38 mm) maximum from the control wall of a roll-in type shower.

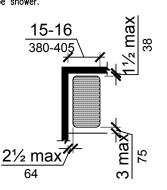


Figure 610.3.1 RECTANGULAR SHOWER COMPARTMENT SEAT

610.3.2 L-Shaped Seats. The rear edge of an L-shaped seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 1 1/2 inches (38 mm) maximum from the wall and the front edge shall be 14 inches (355 mm) minimum and 15 inches (380 mm) maximum from the wall. The end of the "L" shall be 22 inches (560 mm) minimum and 23 inches (585 mm) maximum from the main seat wall.

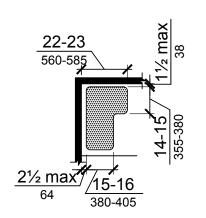


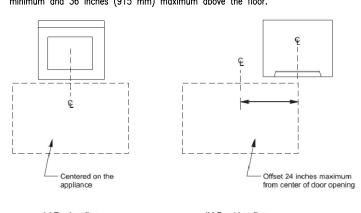
Figure 610.3.1 L-SHAPED SHÖWER COMPARTMENT SEAT

Allowable stresses shall not be exceeded for materials used where a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the seat, fastener mounting device, or supporting structure. 511 Washing Machines and Clothes Dryers

611.1 General. Accessible washing machines and clothes dryers shall comply with Section 611. A clear floor space complying with Section 305, positioned for parallel approach, shall be provided. For top loading machines, the clear floor space shall be centered on the appliance. For front loading machines, the centerline of the clear floor space shall be offset 24 inches (610 mm) maximum from the centerline of

611.3 Operable Parl Operable parts, including doors, lint screens, detergent and bleach compartments, shall comply with Section 309. 611.4 Height.

Top loading machines shall have the door to the laundry compartment 36 inches (915 mm) maximum above the floor. Front loading machines shall have the bottom of the opening to the laundry compartment 15 inches (380 mm) minimum and 36 inches (915 mm) maximum above the floor.



(b) Front Loading (a) Top Loading Figure 611.2 CLEAR FLOOR SPACE top loading front loading

804 Kitchens and Kitchenettes

804 KITCHENS

804.1 General. Accessible kitchens and kitchenettes shall comply with Section 804. 804.2 Clearance.

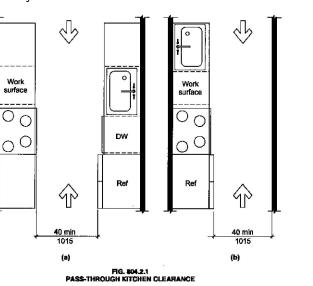
Where a pass-through kitchen is provided, clearances shall comply with Section 804.2.1. Where a U-shaped kitchen is provided, clearances shall comply with Section 804.2.2. EXCEPTION: Spaces that do not provide a cooktop or conventional range shall not be required to comply with Section 804.2 provided there is a 40-inch (1015

Figure 611.4

HEIGHT OF LAUNDRY EQUIPMENT

appliances, or walls within work areas. 304.2.1 Pass—through Kitchens. In pass—through kitchens where counters, appliances or cabinets are on two 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.

mm) minimum clearance between all opposing base cabinets, counter tops,



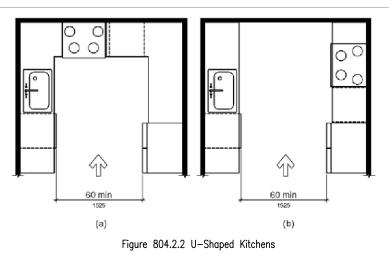
804 KITCHENS CONT.

804.2.2 U-Shaped Kitchens In kitchens enclosed on three contiguous sides, clearance between all opposing base cabinets, countertops, appliances, or walls within kitchen work areas shall be 60 inches (1525 mm) minimum.

804.3 Work Surface. At least one work surface shall be provided in accordance with Section 902. EXCEPTION: Spaces that do not provide a cooktop or conventional range shall not be required to provide an accessible work surface.

The sink shall comply with Section 606. 804.5 Appliances. Where provided, kitchen appliances shall comply with Section 804.5. A clear floor space complying with Section 305 shall be provided at each kitchen 804.5.2 Operable Parts.

All appliance controls shall comply with Section 309. EXCEPTIONS: . Appliance doors and door latching devices shall not be required to comply with Section 309.4. 2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with Section 309.3



804.5.3 Dishwasher. A clear floor space positioned adjacent to the dishwasher door, shall be provided.

The dishwasher door in the open position shall not obstruct the clear floor space for the dishwasher or an adjacent sink. 804.5.4 Cooktop. Cooktops shall comply with Section 804.5.4. 804.5.4.1 Approach.

A clear floor space, positioned for a parallel or forward approach to the cooktop, shall be provided. 804.5.4.2 Forward approach. Where the clear floor space is positioned for a forward approach, knee and toe clearance complying with Section 306 shall be provided. The underside of the cooktop shall be insulated or otherwise configured to prevent burns, abrasions, or

804.5.4.3 Parallel approach. Where the clear floor space is positioned for a parallel approach, the clear floor space shall be centered on the appliance. 804.5.4.4 Controls

The location of controls shall not require reaching across burners. Ovens shall comply with Section 804.5.5 804.5.5.1 Clear floor space. A clear floor space shall be provided. The oven door in the open position shall

electrical shock.

not obstruct the clear floor space for the oven. 804.5.5.2 Side-Hinged Door Ovens. Side-hinged door ovens shall have a work surface complying with Section 804.3 positioned adjacent to the latch side of the oven door. 804.5.5.3 Bottom-Hinged Door Ovens. Bottom hinged door ovens shall have a work surface complying with Section

804.3 positioned adjacent to one side of the door. The location of controls shall not require reaching across burners. 804.5.6 Refrigerator/Freezer.

Combination refrigerators and freezers shall have at least 50 percent of the freezer compartment shelves, including the bottom of the freezer, 54 inches (1370 mm) maximum above the floor when the shelves are installed at the maximum heights possible in the compartment. A clear floor space, positioned for a parallel approach to the refrigerator/freezer, shall be provided. The centerline of the clear floor space shall be offset 24 inches (610 mm) maximum from the centerline of the appliance.

902 DINING AND WORK SURFACES

902 Dining Surfaces and Work Surfaces Accessible dining surfaces and work surfaces shall comply with Section 902. EXCEPTION: Dining surfaces and work surfaces primarily for children's use shall be

permitted to comply with Section 902. 902.2 Clear Floor Space. A clear floor space complying with Section 305, positioned for a forward approach, shall be provided. Knee and toe clearance complying with Section 306 shall be provided.

1. At drink surfaces 12 inches (305 mm) or less in depth, knee and toe space shall not be required to extend beneath the surface beyond the depth of the drink surface provided. 2. Dining surfaces that are 15 inches (380 mm) minimum and 24 inches

(610 mm) maximum in height are permitted to have a clear floor space complying with Section 305 positioned for a parallel approach. 902.3 Exposed Surfaces.

There shall be no sharp or abrasive surfaces under the exposed portions of dining surfaces and work surfaces. 902.4 Height. The tops of dining surfaces and work surfaces shall be 28 inches (710 mm)

minimum and 34 inches (865 mm) maximum in height above the floor. 902.5 Dining Surfaces and Work Surfaces for Children's Use. Accessible dining surfaces and work surfaces primarily for children's use shall comply with Section 902.5. EXCEPTION: Dining surfaces and work surfaces used primarily by children ages 5 and younger shall not be required to comply with Section 902.5 where a clear floor spacecomplying with Section 305 is provided and is positioned for a parallel

902.5.1 Clear Floor Space. A clear floor space complying with Section 305, positioned for forward approach, shall be provided. Knee and toe clearance complying with Section 306 shall be EXCEPTION: A knee clearance of 24 inches (610 mm) minimum above the floor shall be permitted.

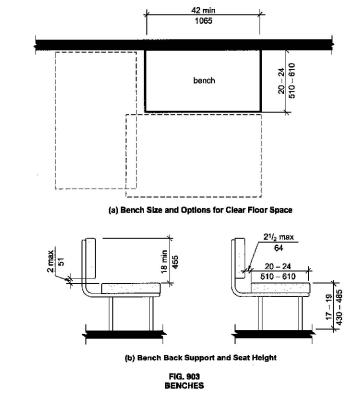
The tops of tables and counters shall be 26 inches (660 mm) minimum and 30 inches (760 mm) maximum above the floor.

903 BENCHES

903.1 General. Accessible benches shall comply with Section 903. 903.2 Clear Floor Space.

A clear floor space complying with Section 305, positioned for parallel approach to the bench seat, shall be provided. Benches shall have seats 42 inches (1065 mm) minimum in length, and 20

inches (510 mm) minimum and 24 inches (610 mm) maximum in depth. 903.4 Back Support. The bench shall provide for back support or shall be affixed to a wall. Back support shall be 42 inches (1065 mm) minimum in length and shall extend from a point 2 inches (51 mm) maximum above the seat surface to a point 18 inches (455 mm) minimum above the seat surface. Back support shall be 2 1/2 inches (64 mm) maximum from the rear edge of the seat measured



903 BENCHES CONT.

The top of the bench seat shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the floor, measured to the top of the seat. EXCEPTION: Benches primarily for children's use shall be permitted to be 11 inches (280 mm) minimum and 17 inches 1108.4.2.1.2 Height. (430 mm) maximum above the floor, measured to the top of the seat.

Allowable stresses shall not be exceeded for materials used where a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the seat, fastener mounting device, or supporting structure. Where provided in wet locations the surface of the seat shall be slip resistant and shall not accumulate water.

1104 EXERCISE MACHINES AND EQUIPMENT

1104 Exercise Machines and Equipment

1104.1 Clear Floor Space. Accessible exercise machines and equipment shall have a clear floor space complying with Section 305 positioned for transfer or for use by an individual seated in a wheelchair. Clear floor spaces required at exercise machines and equipment shall be permitted to overlap.

1108 PLAY AREAS

1108 Play Areas 1108.1 Scope.

Play greas shall comply with 1108.

1108.2 Accessible Routes for Play Areas Play areas shall provide accessible routes in accordance with Section 1108.2. Accessible routes serving play areas shall comply with Chapter 4 except as modified by Section 1108.4.

1108.2.1 Ground Level and Elevated Play Components. At least one accessible route shall be provided within the play area. The accessible route shall connect around level play components required to comply with Section 1108.3.2.1 and elevated play components required to comply with Section 1108.3.2.2. including entry and exit points of the play components. 1108.2.2 Soft Contained Play Structures. Where three or fewer entry points are provided for soft contained play structures, at least one entry point shall be on

an accessible route. Where four or more entry points are provided for soft contained play structures, at least two

entry points shall be on an accessible route. Play areas for children ages 2 and over shall comply with Section 1108.3. Where separate play areas are provided within a site for specific age groups, each play area shall comply with Section 1108.3.

1. Play areas located in family child care facilities where the proprietor actually resides shall not be required to comply with Section 1108.3. 2. In existing play areas, where play components are relocated for the purposes of creating safe use zones and the ground surface is not altered or extended for more than one use zone, the play area shall not be required to comply with Section 1108.3.

. Where play components are altered and the ground surface is not altered, the ground surface shall not be required to comply with Section 1108.4.1.6 unless required by the authority having jurisdiction. Where play areas are designed and constructed in phases, the requirements of Section 1108.3 shall apply to each

successive addition so that when the addition is completed, the entire play area complies with all the applicable requirements of Section 1108.3. 1108.3.2 Play Components.

Where provided, play components shall comply with Section 1108.3.2. 1108.3.2.1 Ground Level Play Components.

3. Amusement attractions shall not be required to comply with Section 1108.3.

Ground level play components shall be provided in the number and types required by Section 1108.3.2.1. Ground level play components that are provided to comply with Section 1108.3.2.1.1 shall be permitted to satisfy the additional number required by Section 1108.3.2.1.2 if the minimum required types of play components are satisfied. Where two or more required ground level play components are provided, they shall be dispersed throughout the play area and integrated with other play components. 1108.3.2.1.1 Minimum Number and Types.

Where ground level play components are provided, at least one of each type shall be on an accessible route and shall comply with Section 1108.4.3. 1108.3.2.1.2 Additional Number and Types

Where elevated play components are provided, ground level play components shall be provided in accordance with Table | Ground level play components on accessible routes and elevated play components connected by ramps shall 1108.3.2.1.2 and shall comply with Section 1108.4.3. EXCEPTION: If at least 50 percent of the elevated play components are connected by a ramp and at least 3 of the elevated play components connected by the ramp are different types of play components, the play area shall not be required to comply with Section 1108.3.2.1.2.

TABLE 1108.3.2.1.2 NUMBER	R AND TYPES OF GROUND LEVEL PLAY COMPOR	NENTS REQUIRED TO BE ON ACCESSIBLE ROUTES
Number of Elevated Play Components Provided	Minimum number of Ground Level Play Components Require to be on an Accessible Route	Minimum number of Different Types of Ground Level Pla Components Require to be on an Accessible Route
1	Not Applicable	Not Applicable
2 to 4	1	1
5 to 7	2	2
8 to 10	3	3
11 to 13	4	3
14 to 16	5	3
17 to 19	6	3
20 to 22	7	4
23 to 25	8	4
26 and over	8, plus 1 for each additional 3, or a fraction thereof, over 25	5

1108.3.2.2 Elevated Play Components. Where elevated play components are provided, at least 50 percent shall be on an accessible route and shall comply with Section 1108.4.3. 1108.4 Accessible Routes Within Play great

Play areas shall comply with Section 1108.4 1108.4.1 Accessible Routes. Accessible routes serving play areas shall comply with Chapter 4 and Section 1108.4.1 and shall be permitted to use the exceptions in Sections 1108.4.1.1 through 1108.4.1.3. Where accessible routes serve ground level play components, the vertical clearance shall be 80 inches (2030 mm) minimum in height. 1108.4.1.1 Ground Level and Elevated Play Components.

Accessible routes serving ground level play components and elevated play components shall be permitted to use the exceptions in Section 1108.4.1.1. 1. Transfer systems complying with Section 1108.4.2 shall be permitted to connect elevated play components except where 20 or more elevated play components are provided no more than 25 percent of the elevated play components shall be permitted to be connected by transfer systems.

2. Where transfer systems are provided, an elevated play component shall be permitted to connect to another elevated play component as part of an accessible route. 1108.4.1.2 Soft Contained Play Structures. Accessible routes serving soft contained play structures shall be permitted to use the exception in Section EXCEPTION: Transfer systems complying with Section 1108.4.2 shall be permitted to be used as part of an

1108.4.1.3 Water Play Components. Accessible routes serving water play components shall be permitted to use the exceptions in Section 1108.4.1.3. . Where the surface of the accessible route, clear floor spaces, or turning spaces serving water play components is submerged, complying with Sections 302, 403.3, 405.2, 405.3, and 1108.4.1.6 shall not be required.

2. Transfer systems complying with Section 1108.4.2 shall be permitted to connect elevated play components in Accessible routes connecting play components shall provide a clear width complying with Section 1108.4.1.4.

At ground level, the clear width of accessible routes shall be 60 inches (1525 mm) minimum. 1. In play areas less than 1000 square feet (93 m²), the clear width of accessible routes shall be permitted to be 44 inches (1120 mm) minimum, if at least one turning space complying with Section 304.3 is provided

where the restricted accessible route exceeds 30 feet (9145 mm) in length. 2. The clear width of accessible routes shall be permitted to be 36 inches (915 mm) minimum for a distance of 60 inches (1525 mm) maximum provided that multiple reduced width segments are separated by segments that are 60 inches (1525 mm) minimum in width and 60 inches (1525 mm) minimum in length. The clear width of accessible routes connecting elevated play components shall be 36 inches (915 mm) minimum.

1. The clear width of accessible routes connecting elevated play components shall be permitted to be reduced to 32 inches (815 mm) minimum for a distance of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) minimum in length and 36 inches (915 mm) minimum in width. 2. The clear width of transfer systems connecting elevated play components shall be permitted to be 24 inches

Within play areas, ramps connecting ground level play components and ramps connecting elevated play components shall comply with Section 1108.4.1.5 1108.4.1.5.1 Ground Level. Ramp runs connecting ground level play components shall have a running slope not steeper than 1:16. 1108.4.1.5.2 Elevated.

The rise for any ramp run connecting elevated play components shall be 12 inches (305 mm) maximum. 1108.4.1.5.3 Handrails. Where required on ramps serving play components, the handrails shall comply with Section 505 except as modified by Section 1108.4.1.5.3.

1. Handrails shall not be required on ramps located within ground level use

2. Handrail extensions shall not be required.

1108.4.1.5.3.1 Handrail Gripping Surfaces. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 0.95 inch (24 mm) minimum and 1.55 inches (39 mm) maximum. Where the shape of the gripping surface is noncircular, the handrail shall provide an equivalent gripping surface. 1108.4.1.5.3.2 Handrail Height.

The top of handrail gripping surfaces shall be 20 inches (510 mm) minimum and 28 inches (710 mm) maximum above the ramp surface. 1108.4.1.6 Ground Surfaces. Ground surfaces on accessible routes, clear floor spaces, and turning spaces shall comply with Section 1108.4.1.6. 1108.4.1.6.1 Surface Condition Ground surfaces shall be stable, firm and slip resistant. Ground surfaces shall be inspected and maintained

regularly and frequently to ensure continued compliance with this requirement. 1108.4.1.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 listed in Sections 105.2.8 or 105.2.9. Where transfer systems are provided to connect to elevated play components, the transfer systems shall comply with Section 1108.4.2. 1108.4.2.1 Transfer Platforms.

Transfer platforms shall be provided where transfer is intended from wheelchairs or other mobility aids. Transfer platforms shall comply with Section 1108.4.2.1.

1108 PLAY AREAS CONT.

1108.4.2.1.1 Size. Transfer platforms shall have level surfaces 14 inches (355 mm) minimum in depth and 24 inches (610 mm) minimum in width.

The top of the transfer platforms shall be 11 inches (280 mm) minimum and 18 inches (455 mm) maximum in height above the floor. 1108.4.2.1.3 Transfer Space

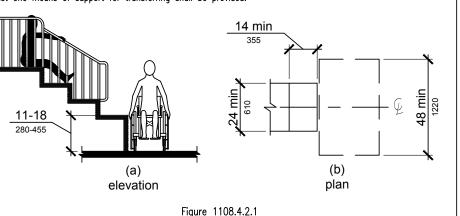
A transfer space complying with Sections 305.2 and 305.3 shall be provided adjacent to the transfer platform. The 48-inch (1220 mm) minimum length dimension of the transfer space shall be centered on and parallel to the 24-inch (610 mm) minimum length side of the transfer platform. The side of the transfer platform serving

1108.4.2.1.4 Transfer Supports. At least one means of support for transferring shall be provided. 1108.4.2.2 Transfer Steps.

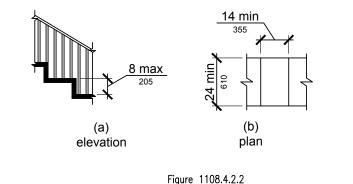
the transfer space shall be unobstructed.

Transfer steps shall be provided where movement is intended from transfer platforms to levels with elevated play components required to be on accessible routes. Transfer steps shall comply with Section 1108.4.2.2. 1108.4.2.2.1 Size. Transfer steps shall have level surfaces 14 inches (355 mm) minimum in depth and 24 inches (610 mm) minimum in width.

1108.4.2.2.2 Height. Each transfer step shall be 8 inches (205 mm) maximum in height. 1108.4.2.2.3 Transfer Supports. At least one means of support for transferring shall be provided.



TRANSFER PLATFORMS



1108.4.3 Play Components. comply with Section 1108.4.3

TRANSFER STEPS

1108.4.3.1 Turning Space. At least one turning space complying with Section 304 shall be provided on the same level as play components. Where swings are provided, the turning space shall be located immediately adjacent to the swing. 1108.4.3.2 Clear Floor Space. Clear floor space complying with Sections 305.2 and 305.3 shall be provided at play components.

Where play tables are provided, knee clearance 24 inches (610 mm) minimum in height, 17 inches (430 mm) minimum in depth, and 30 inches (760 mm) minimum in width shall be provided. The tops of rims, curbs, or other obstructions shall be 31 inches (785 mm) maximum in height. EXCEPTION: Play tables designed and constructed primarily for children 5 years and younger shall not be required to provide knee clearance where the clear floor space required by Section 1108.4.3.2 is arranged for a parallel approach.

1108.4.3.4 Entry Points and Seats. Where play components require transfer to entry points or seats, the entry points or seats shall be 11 inches (280 mm) minimum and 24 inches (610 mm) maximum from the clear floor space EXCEPTION: Entry points of slides shall not be required to comply with Section 1108.4.3.4 1108.4.3.5 Transfer Supports.

Where play components require transfer to entry points or seats, at least one means of support for transferring shall be provided.

1009 SWIMMING POOLS, WADING POOLS AND SPAS 1109 Swimming Pools, Wading Pools, Hot tubs and Spas 1109.1 General. Swimming pools, wading pools, hot tubs and spas shall comply with Section 1109 1109.1.1 Swimming pools.

be swimming pool lifts complying with Section 1109.2; sloped entries complying with Section 1109.3; transfer walls complying with Section 1109.4, transfer systems complying with Section 1109.5; and pool stairs complying with Section 1109.6. At least one accessible means of entry provided shall comply with Section 1109.2 or 1. Where a swimming pool has less than 300 linear feet (91 m) of swimming pool wall, no more than one accessible means of entry shall be required. 2. Wave action pools, leisure rivers, sand bottom pools, and other pools where user access is limited to one area shall not be required to provide more than one

At least two accessible means of entry shall be provided for swimming pools. Accessible means of entry shall

accessible means of entry provided that the accessible means of entry is a swimming pool lift complying with Section 1109.2, a sloped entry complying with Section 1109.3, or a transfer system complying with 3. Catch pools shall not be required to provide an accessible means of entry provided that the catch pool edge

is on an accessible route. 1109.1.2 Wading pools. At least one sloped entry complying with Section 1109.3 shall be provided in wading pools. 1109.1.3 Hot tubs and Spas.

At least one accessible means of entry shall be provided for hot tubs and spas. Accessible means of entry shall comply with swimming pool lifts complying with Section 1109.2; transfer walls complying with Section 1109.4; or transfer systems complying with Section 1109.5. EXCEPTION: Where hot tubs or spas are provided in a cluster, no more than 5 percent, but not less than one hot tub or spa in each cluster shall be required to comply with Section 1109.1.3. 1109.2 Pool Lifts.

Pool lifts shall comply with Section 1109.2. 1109.2.1 Pool Lift Location. Pool lifts shall be located where the water level does not exceed 48 inches (1220 mm).

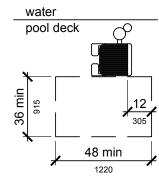
1. Where the entire pool depth is greater than 48 inches (1220 mm), compliance with Section 1109.2.1 shall not be required. 2. Where multiple pool lift locations are provided, no more than one pool lift shall be required to be located in an area where the water level is 48 inches (1220 mm) maximum. 1109.2.2 Seat Location.

In the raised position, the centerline of the seat shall be located over the deck and 16 inches (405 mm) minimum from the edge of the pool. The deck surface between the centerline of the seat and the pool edge shall have a slope not steeper than 1:48. pool deck

POOL LIFT SEAT LOCATION 1109.2.3 Clear Deck Space. On the side of the seat opposite the water, a clear deck space shall be provided parallel with the seat. The space shall be 36 inches (915 mm) minimum in width and shall extend forward 48 inches (1220 mm) minimum from a line located 12 inches (305 mm) behind the rear edge of the seat. The clear deck space shall have a slope not steeper than 1:48.

Figure 1109.2.2

The height of the lift seat shall be designed to allow a stop at 16 inches (405 mm) minimum and 19 inches (485 mm) maximum measured from the deck to the top of the seat surface when in the raised (load)



EXCEPTION: Footrests shall not be required on pool lifts provided in spas.

Figure 1109.2.3 CLEAR DECK SPACE AT POOL LIFTS

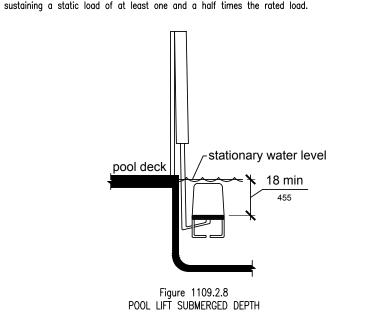
The seat shall be 16 inches (405 mm) minimum in width, provide a back rest, and be of a firm and stable 1109.2.6 Footrests and Armrests Footrests shall be provided and shall move with the seat. If provided, the armrest positioned opposite the water shall be removable or shall fold clear of the seat when the seat is in the raised (load) position.

The lift shall be capable of unassisted operation from both the deck and water levels. Controls and operating mechanisms shall be unobstructed when the lift is in use and shall comply with Section 309.4. 1109.2.8 Submerged Depth. The lift shall be designed so that the seat will submerge to a water depth of 18 inches (455 mm) minimum

1009 SWIMMING POOLS, WADING POOLS AND SPAS CONT. 16-19 405-485

> Figure 1109.2.4 POOL LIFT SEAT HEIGHT

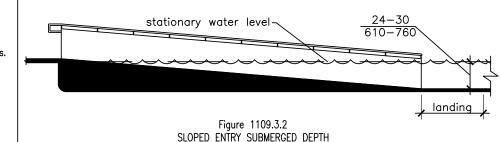
1109.2.9 Lifting Capacity. Single person pool lifts shall have a weight capacity of 300 pounds (136 kg) minimum and be capable of



1109.3 Sloped Entries. Sloped entries shall comply with Section 1109.3. 1109.3.1 Sloped Entry Route.

Sloped entries shall comply with Chapter 4 except as modified by Sections 1109.3.1 through EXCEPTION: Where sloped entries are provided, the surfaces shall not be required to

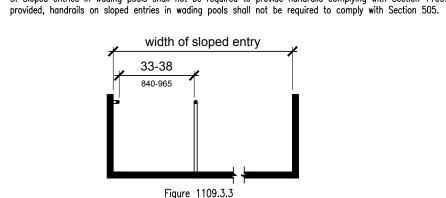
1109.3.2 Submerged Depth. Sloped entries for swimming pools shall comply with Section 1109.3.2.1. Sloped entries for wading pools shall comply with Section 1109.3.2.2



1109.3.2.1 Swimming Pools. Sloped entries for swimming pools shall extend to a depth of 24 inches (610 mm) minimum and 30 inches (760 mm) maximum below the stationary water level. Where landings are required by Section 405.7, at least one landing shall be located 24 inches (610 mm) minimum and 30 inches (760 mm) maximum below the stationary water level.

In wading pools, the sloped entry shall extend to the deepest part of the wading pool. 1109.3.3 Handrails. At least two handrails complying with Section 505 shall be provided on the sloped entry. The clear width between required handrails shall be 33 inches (840 mm) minimum and 38 inches (965 mm) maximum.

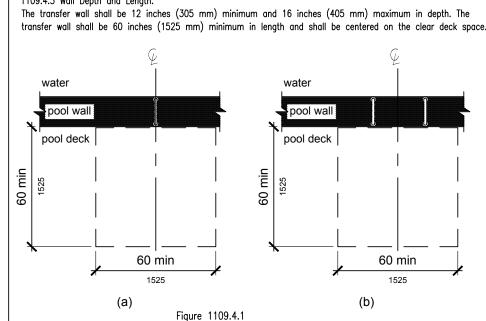
1. Handrail extensions specified by Section 505.10.1 shall not be required at the bottom landing serving a 2. Where a sloped entry is provided for wave action pools, leisure rivers, sand bottom pools, and other pools where user access is limited to one area, the handrails shall not be required to comply with the clear width requirements of Section 1109.3.3. 3. Sloped entries in wading pools shall not be required to provide handrails complying with Section 1109.3.3. If

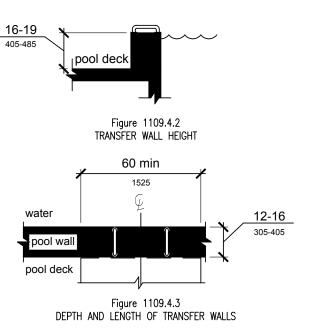


HANDRAILS FOR SLOPED ENTRY

1109.4 Transfer Walls. Transfer walls shall comply with Section 1109.4. 1109.4.1 Clear Deck Space. A clear deck space of 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum with a slope not steeper than 1:48 shall be provided at the base of the transfer wall. Where one grab bar is provided, the clear deck space shall be centered on the grab bar. Where two grab bars are provided, the clear deck space shall

be centered on the clearance between the grab bars. The height of the transfer wall shall be 16 inches (405 mm) minimum and 19 inches (485 mm) maximum measured from the deck. 1109.4.3 Wall Depth and Lenath.





CLEAR FLOOR SPACE AT TRANSFER WALLS

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CLIENT NAME:

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HUNTSVILLE, TEXAS 77342

PROJECT NAME:

THE WEST HILL **CENTER MALL**

PROJECT LOCATION: 149 COL ETHERIDGE BLVD. HUNTSVILLE, TEXAS 77340

ISSUE

PRELIMINARY

DATE

10.20.2020

03.05.2021

03.05.2021 AS NOTED PROJECT NUMBER DRAWN BY SHEET TITLE

SHEET NUMBER

TEXAS

ACCESSIBILITY

STANDARDS

ANSI Public Areas

1109.4.4 Surface. 1109.4.5 Grab Bars. pool deck 1109.5 Transfer Systems. 1109.5.1 Transfer Platform. 1109.5.2 Transfer Space. 1109.5.4 Transfer Steps. 1109.5.7 Grab Bars. 1109.6.2 Handrails. 1110.1 Turning Space. A circular turning space complying with Section 304.3.1 with slopes not steeper than 1:48 shall be provided at shooting facility firing positions.

1009 SWIMMING POOLS, WADING POOLS AND SPAS CONT.

Surfaces of transfer walls shall not be sharp and shall have rounded edges.

At least one grab bar complying with Sections 609.1 through 609.3 and 609.5 through 609.8 shall be provided on the transfer wall. Grab bars shall be perpendicular to the pool wall and shall extend the full depth of the transfer wall. The top of the gripping surface shall be 4 inches (100 mm) minimum and 6 inches (150 mm) maximum above the transfer wall. Where one grab bar is provided, clearance shall be 24 inches (610 mm) minimum on both sides of the grab bar. Where two grab bars are provided, clearance between grab bars shall

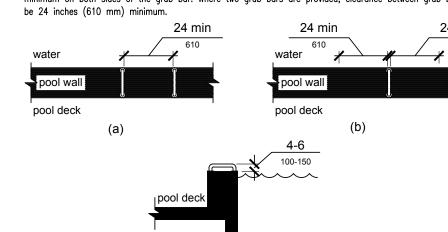


Figure 1109.4.5 GRAB BARS FOR TRANSFER WALLS

Transfer systems shall comply with Section 1109.5.

A transfer platform shall be provided at the head of each transfer system. Transfer platforms shall provide a clear depth of 19 inches (485 mm) minimum and a clear width of 24 inches (610 mm) minimum.

A transfer space of 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum with a slope not steeper than 1:48 shall be provided at the base of the transfer platform surface. The transfer space shall be centered along a 24-inch (610 mm) minimum side of the transfer platform. The side of the transfer platform serving the transfer space shall be unobstructed.

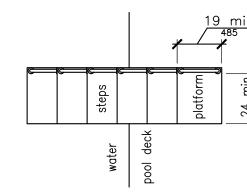


Figure 1109.5.1 SIZE OF TRANSFER PLATFORM

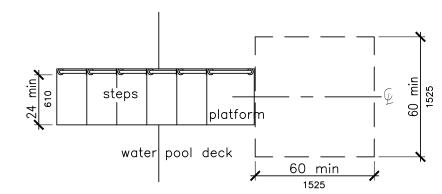


Figure 1109.5.2 CLEAR DECK SPACE AT TRANSFER PLATFORM

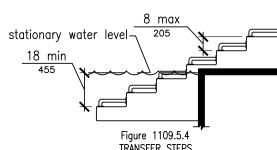
1109.5.3 Height.
The height of the transfer platform shall comply with Section 1109.4.2.

Transfer steps shall be 8 inches (205 mm) maximum in height. The surface of the bottom tread shall extend to a water depth of 18 inches (455 mm) minimum below the stationary water level.

The surface of the transfer system shall not be sharp and shall have rounded edges.

Each transfer step shall have a tread clear depth of 14 inches (355 mm) minimum and 17 inches (430 mm) maximum and shall have a tread clear width of 24 inches (610 mm) minimum.

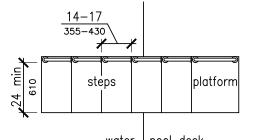
At least one grab bar on each transfer step and the transfer platform or a continuous grab bar serving each transfer step and the transfer platform shall be provided. Where a grab bar is provided on each step, the tops of gripping surfaces shall be 4 inches (100 mm) minimum and 6 inches (150 mm) maximum above each step and transfer platform. Where a continuous grab bar is provided, the top of the gripping surface shall be 4 inches (100 mm) minimum and 6 inches (150 mm) maximum above the step nosing and transfer platform. Grab bars shall comply with Sections 609.1 through 609.3 and 609.5 through 609.8 and be located on at least one side of the transfer system. The grab bar located at the transfer platform shall not obstruct transfer.

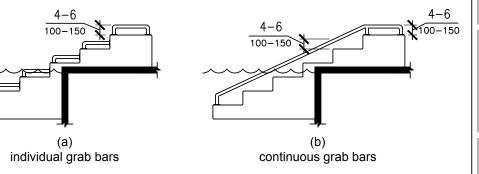


1109.6 Pool Stairs.
Pool stairs shall comply with Section 1109.6.
1109.6.1 Pool Stairs.

Pool stairs shall comply with Section 504. EXCEPTION: Pool stept prisers shall not be required to be 4 inches (100 mm) minimum and 7 inches (180 mm) maximum in height provided that riser heights are uniform.

The width between handrails shall be 20 inches (510 mm) minimum and 24 inches (610 mm) maximum. Handrail extensions required by 505.10.3 shall not be required on pool stairs. 1110 Shooting Facilities with Firing Positions





ANSI Public Areas

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P.O. BOX 6153 HUNTSVILLE, TEXAS 77342

PROJECT NAME:

THE WEST HILL **CENTER MALL**

PROJECT LOCATION:

149 COL ETHERIDGE BLVD. **HUNTSVILLE, TEXAS 77340**

DATE	ISSUE
10.20.2020	PRELIMINARY
03.05.2021	PERMIT
DATE	03.05.2021
SCALE	AS NOTED

PROJECT NUMBER

DRAWN BY

TEXAS ACCESSIBILITY STANDARDS SHEET NUMBER

FIRE PROTECTION NOTES TOTAL BUILDING AREA = 13,366 SQ.FT. 1. FIRE SPRINKLER TO BE DIFFERED SUBMITTAL. NET RENTABLE LEASES = 10 @ 1,366 SQ.FT. 2. BUILDING TO BE FULLY EQUIPPED THROUGHOUT WITH NFPA-13 FIRE SPRINKLER SYSTEM.



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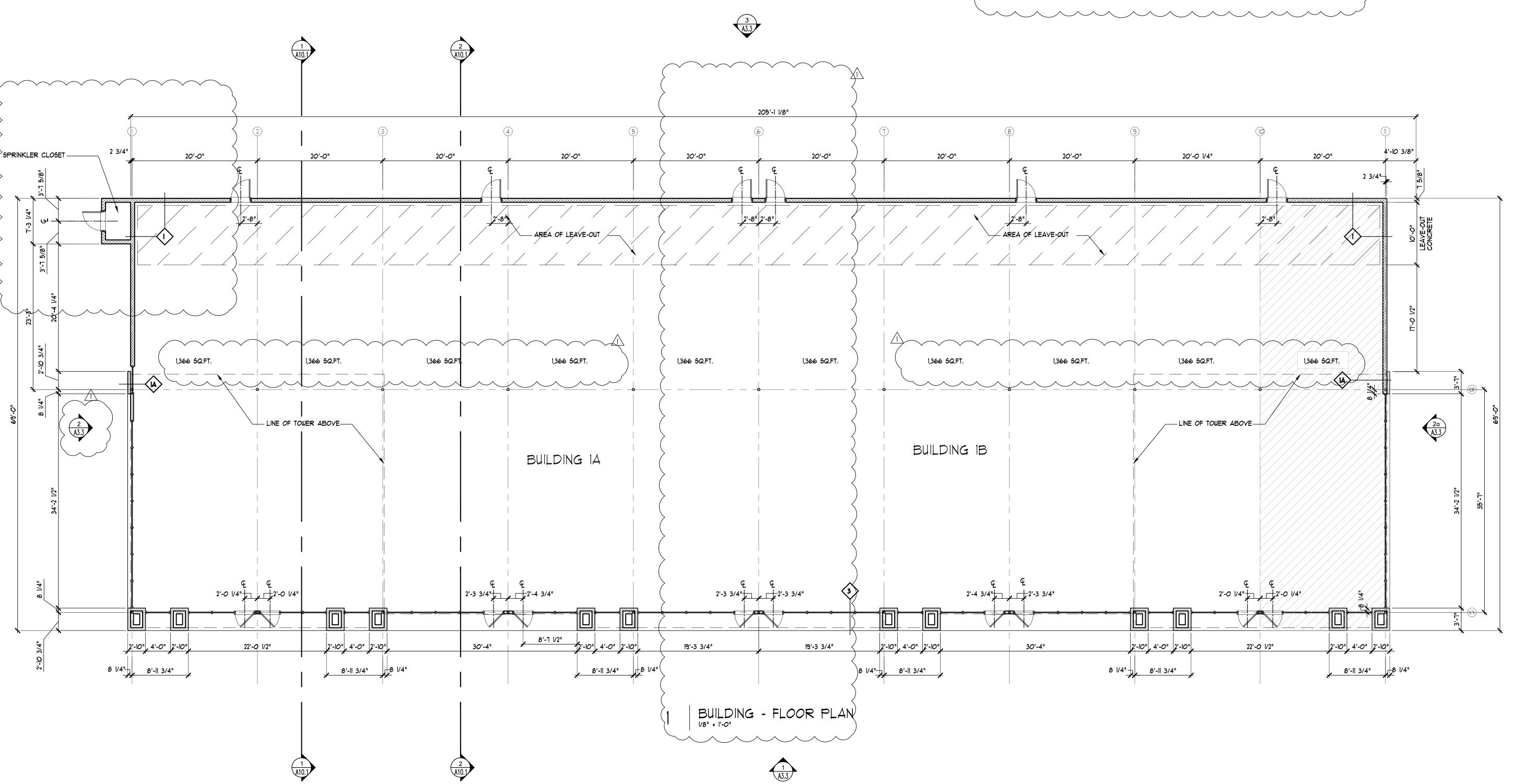
THE WEST HILL CENTER MALL

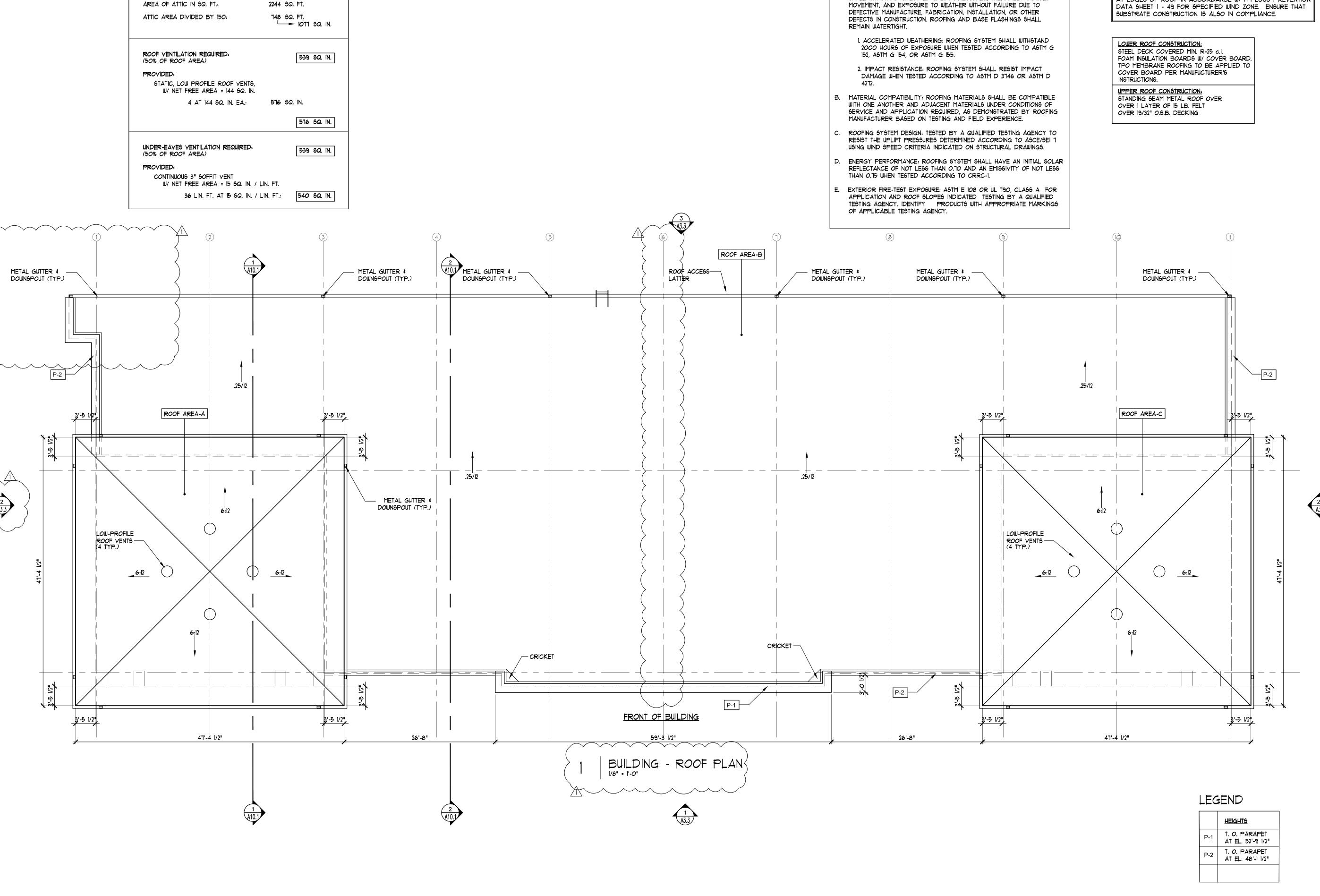
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DATE	ISSUE
10.20.2020	PRELIMINARY
03.05.2021	PERMIT
05.24.2021	PERMIT COMMENTS
DATE	05.24.202
SCALE	1/8" = 1'-0'
PROJECT NUI	MBER 2023
DRAWN BY	GGF
SHEET TITLE	
	BUILDING FLOOR PLAN

SHEET NUMBER A3.





ATTIC VENTILATION CALCULATIONS-AREAS A & C

ARCHITECT

FABRICATE & INSTALL SHEET METAL WORK IN ACCORDANCE W/

AT EDGES OF ROOF IN ACCORDANCE W/ FM LOSS PREVENTION

SHEET METAL & AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION, INC. (SMACNA) "ARCHITECTURAL SHEET METAL

MANUAL," LATEST EDITION. FABRICATE & INSTALL FLASHINGS

TPO ROOFING REQUIREMENTS

SHALL WITHSTAND SPECIFIED UPLIFT PRESSURES, THERMALLY INDUCED

A. GENERAL PERFORMANCE: INSTALLED ROOFING AND BASE FLASHINGS

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PRED ARCHIVE OF TELL O

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SHEET NUMBER

DRAWN BY

A3.1a

BUILDING ROOF PLAN



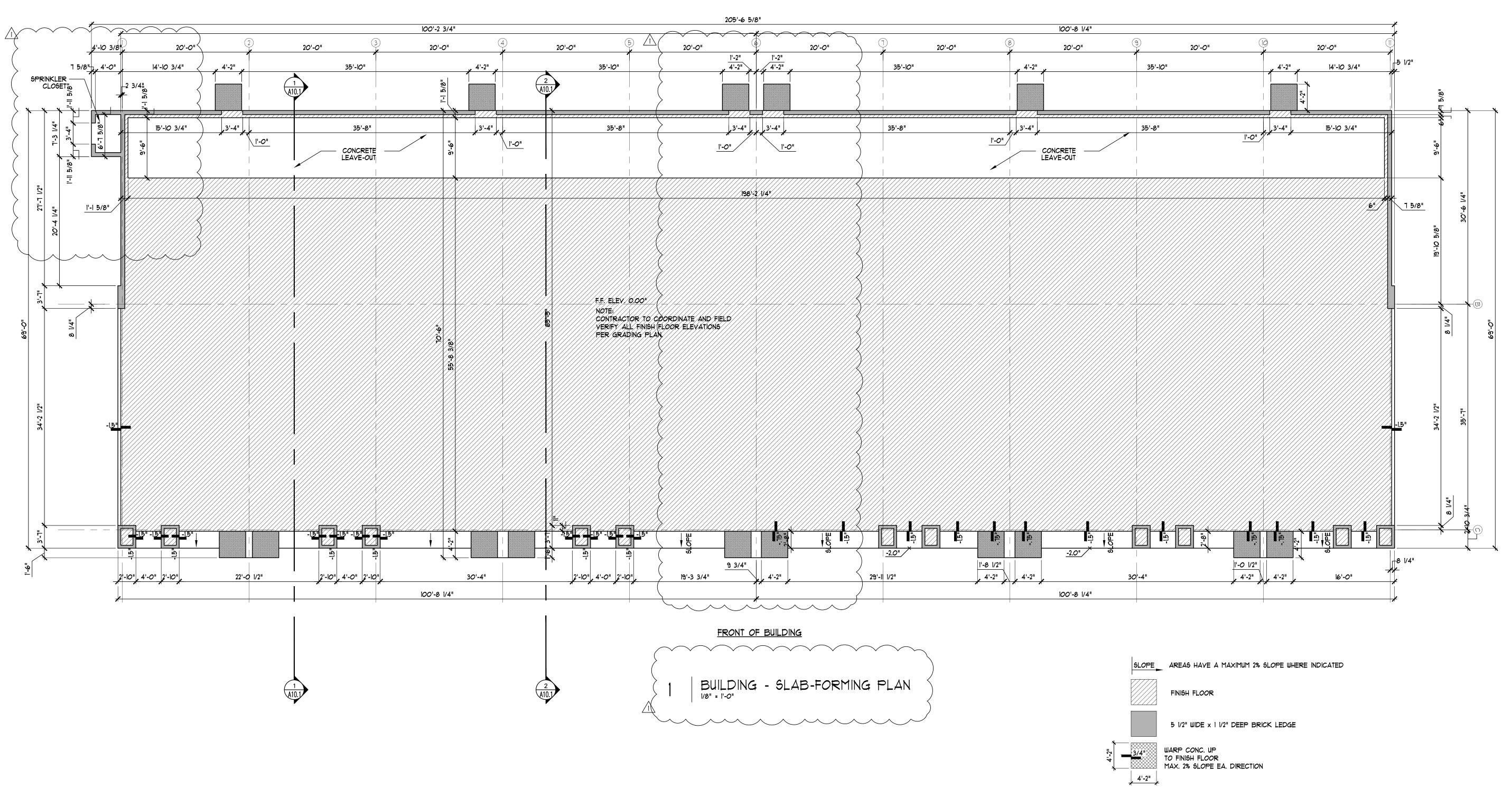
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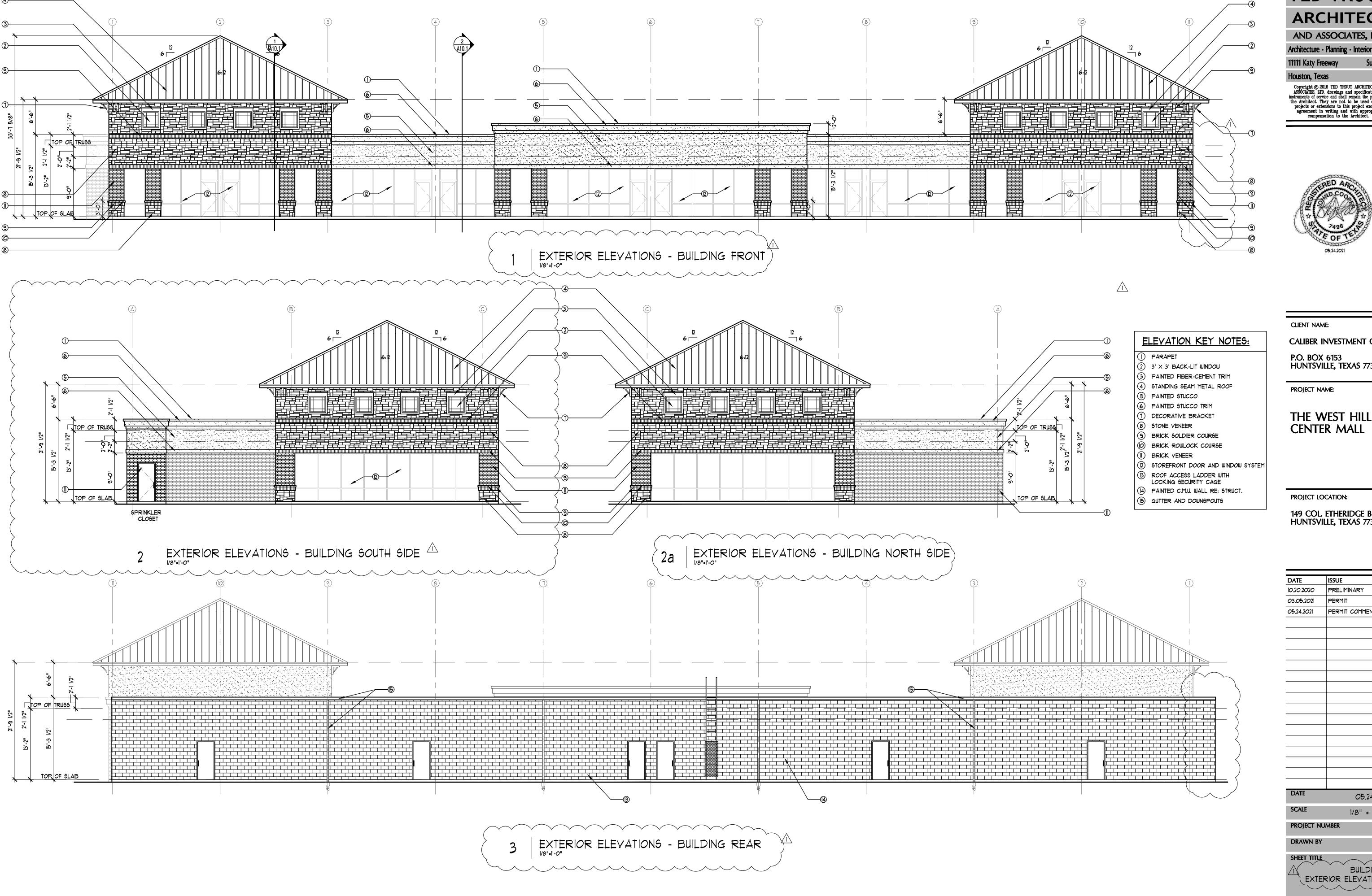
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DRAWN BY	GGF
SHEET TITLE SLA	BUILDING B-FORMING PLAN



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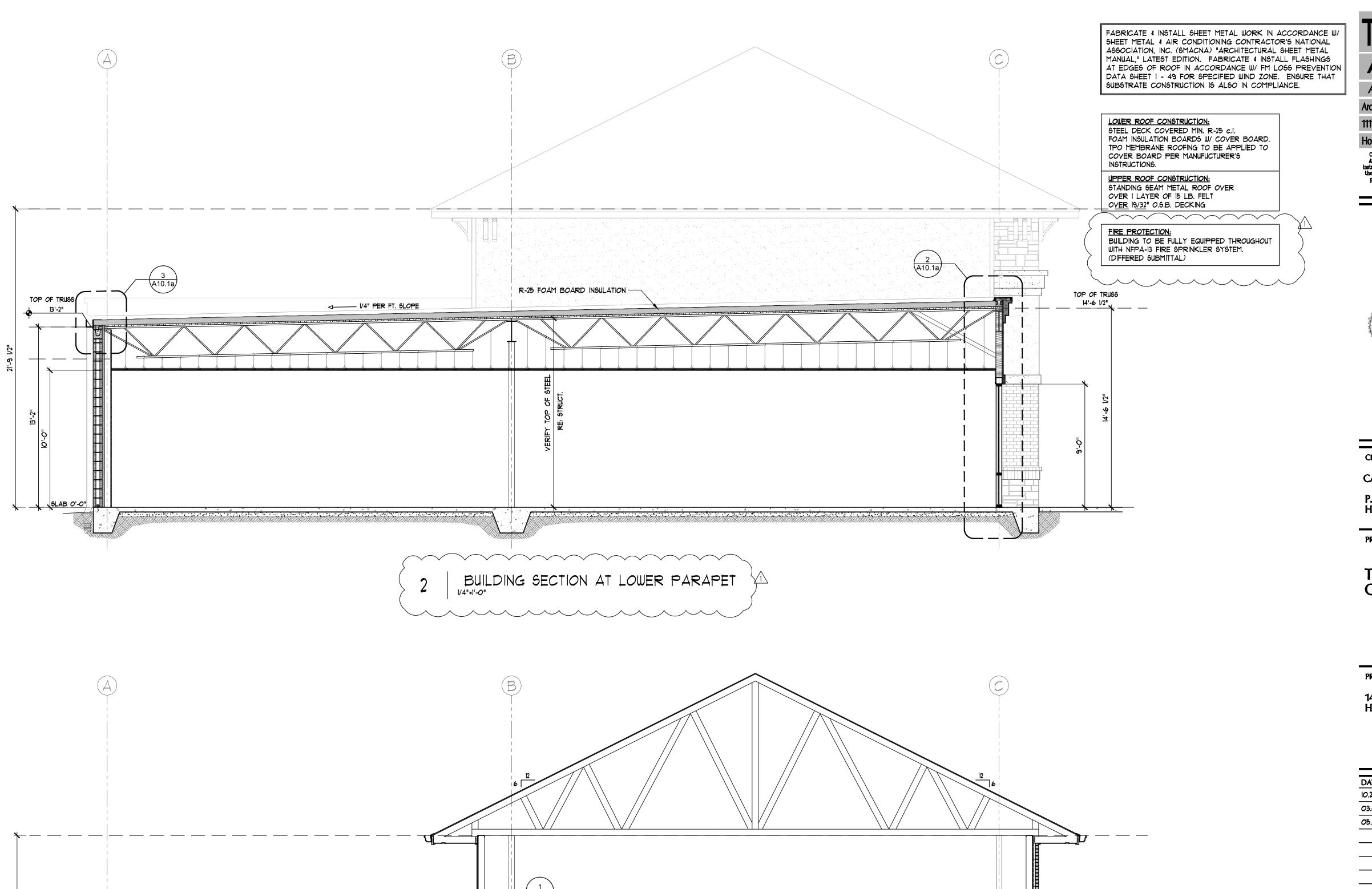
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DRAWN BY	GGF
SHEET TITLE	
	BUILDING

A3.3

SHEET NUMBER



R-25 FOAM BOARD INSULATION -

TOP OF TRUSS

√ 1/4" PER FT. 6LOPE

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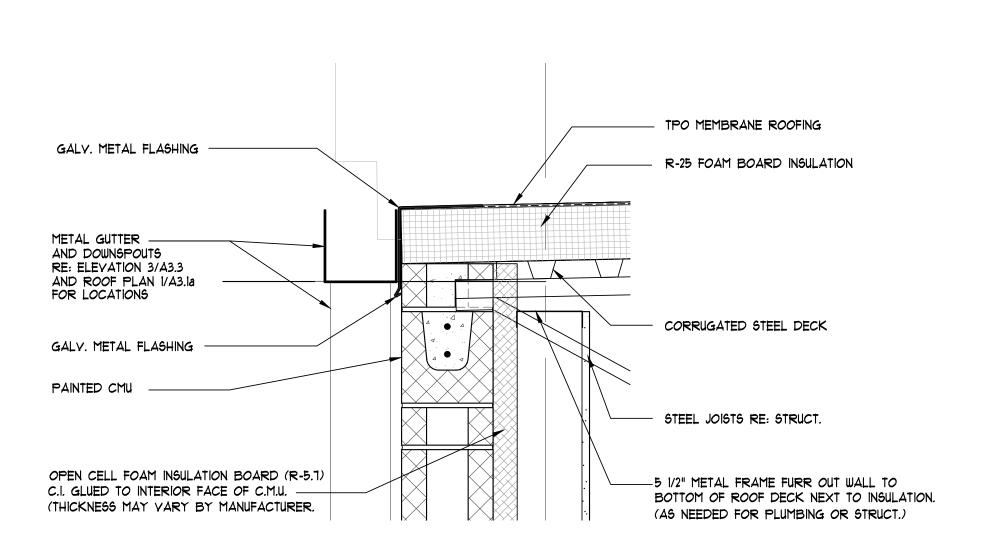
DATE	ISSUE	
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03.05.2021	PERMIT	
05.24.2021	PERMIT CO	MMENTS
DATE		
DATE	(05.24.2021
SCALE	1/8	B" = 1'-0"
PROJECT N	UMBER	2023
DRAWN BY		GGF

BUILDING SECTIONS

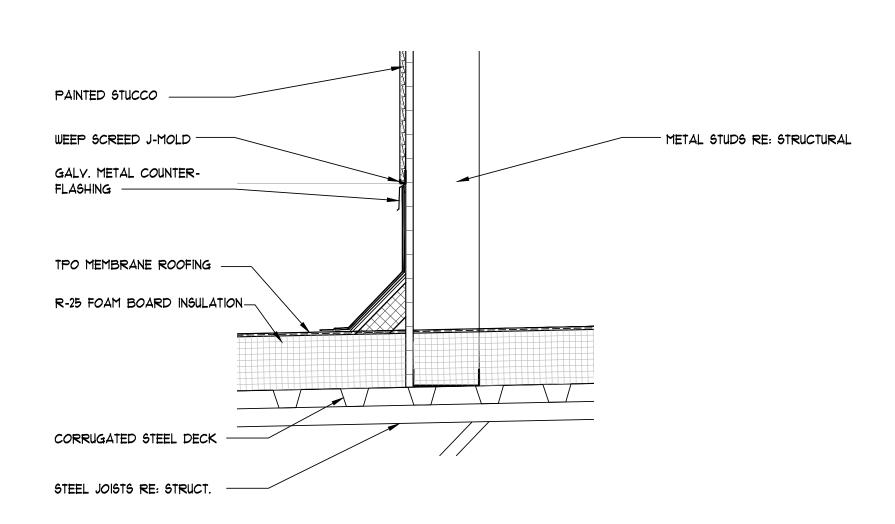
SHEET NUMBER

TOP OF TRUSS

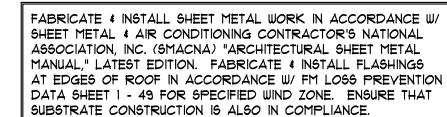
14'-6 1/2"



BUILDING SECTION DETAIL AT CMU WALL AND ROOF



BUILDING SECTION DETAIL AT TOWER WALL AND ROOF



LOWER ROOF CONSTRUCTION: STEEL DECK COVERED MIN. R-25 c.i. FOAM INSULATION BOARDS W/ COVER BOARD. TPO MEMBRANE ROOFING TO BE APPLIED TO COYER BOARD PER MANUFUCTURER'S INSTRUCTIONS.

UPPER ROOF CONSTRUCTION: STANDING SEAM METAL ROOF OVER OVER I LAYER OF 15 LB. FELT OVER 19/32" O.S.B. DECKING

GALV. METAL FLASHING PARAPET CAP

PAINTED STUCCO

(FOR BANDS)

PAINTED STUCCO

WEATHER RESISTANT BARRIER OVER 5/8" EXTERIOR SHEATHING

METAL BOX BEAM RE: STRUCT.

METAL BOX BEAM RE: STRUCT.

PAINTED STUCCO OVER EXPANDED POLYSTYRENE

BRICK VENEER BEYOND

BRICK SOLDIER COURSE BEYOND

WINDOW AND DOOR STOREFRONT SYSTEM

WINDOW AND DOOR STOREFRONT SYSTEM

SET IN SEALANT

(FOR BANDS)

EXPANDED POLYSTYRENE

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BUILDING SECTION

SHEET NUMBER

DETAILS

WALL SECTION DETAIL AT LOWER PARAPET

SUSPENDED CEILING -

J-MOLD

5/8" TYPE X GYP. BD. —