



A NEW CAR WASH FACILITY FOR

TIDAL WAVE AUTOSPA



Tidal Wave Auto Spa
3039 W US-90
Lake City, FL 32055
Columbia County

PROTOTYPE:

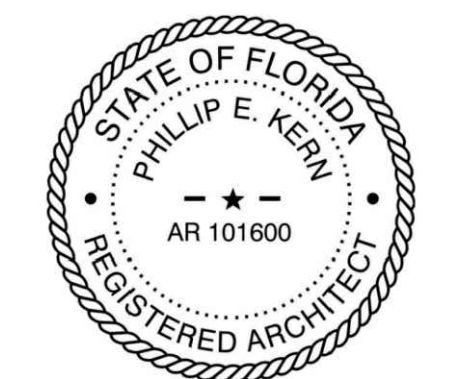
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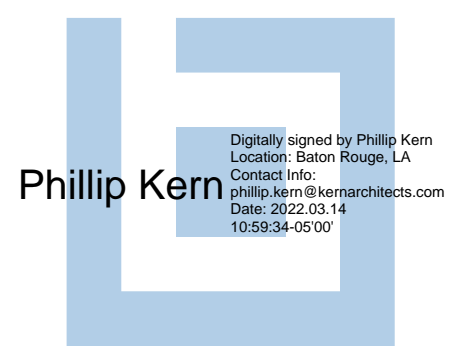
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PROFESSIONAL OF RECORD:



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DESIGNER'S INFORMATION:



SHEET DATE: 22-0310

SHEET REVISIONS:

▲ DATE: DESCRIPTION:

DRAWN BY:

SHEET TITLE:

COVER SHEET

SHEET SCALE: NTS

SHEET NUMBER:

G00.0

PROJECT DIRECTORY

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KORI@OLSONLANDPARTNERS.COM

CODE ANALYSIS

CODE YEAR	FLORIDA BUILDING CODE 7th EDITION - 2020
OCCUPANCY CLASSIFICATION	(S1) STORAGE / (B) BUSINESS
CONSTRUCTION TYPE:	VB / V (000)
FIRE SPRINKLER:	NOT REQUIRED
FIRE ALARM:	NOT REQUIRED
HEIGHT:	12 FT EAVE (23 FT HIGHEST POINT)
STORIES:	SINGLE STORY
AREA:	ALLOWABLE (9,000 SF) / ACTUAL (3,120 SF)
OCCUPANT LOAD:	(5) REFER TO LIFE SAFETY PLAN
NUMBER OF EXITS:	REFER TO LIFE SAFETY PLAN

FIRE RESISTANCE RATINGS:	
FOR BUILDING ELEMENTS	NOT REQUIRED
SEPARATION DISTANCE	NOT REQUIRED
OPENING PROTECTIVES	NOT REQUIRED
AREA SEPARATION	NOT REQUIRED
USE SEPARATION	NOT REQUIRED FOR (S1) STORGE & (B)...
ROOF MATERIAL CLASS	ALLOWABLE (B) / PROVIDED (B)

MIN. PLUMBING FIXTURES	
WATER CLOSETS	REQUIRED (1) / PROVIDED (1)
LAVATORIES	REQUIRED (1) / PROVIDED (1)
DRINKING FOUNTAINS	REQUIRED (1) / PROVIDED (1)
SERVICE SINKS	REQUIRED (0) / PROVIDED (0)

WIND DESIGN CRITERIA - LARGE MISSLE IMPACT RATING NOT APPLICABLE

REFER TO STUCTURAL WIND
VALUES FOR DESIGNS SHOWN
ON STRUCTURAL SHEETS

DESIGN WIND SPEED	RE: STRUCTURAL
ALLOWABLE WIND SPEED	RE: STRUCTURAL
OCCUPANCY RISK CATEGORY	II
EXPOSURE CATEGORY	C

SITE DATA	
ZONING	CI
SITE AREA	3.25 ACRES
TOTAL IMPERVIOUS	RE: CIVIL
TOTAL PERVIOUS	RE: CIVIL

PARKING	
REQUIRED (9' x 20') - 1 / 500 GFA	2
PROVIDED	(3 STANDARD, 1 ADA) 4
REQUIRED STACKING	8
PROVIDED STACKING (FROM PAY KIOSK)	15

OIL & SAND INTERCEPTOR	
REQUIRED CAPACITY PER PDI	464 GALLONS
PROVIDED	1500 GALLONS
PRESCRIPTIVE CALCULATION FOR AUTOMATIC CARWASH:	
1.551 TUNNEL AREA * 0.02 FACILITY FACTOR * 7.48 CONVERSION FACTOR * 2.0 STORAGE FACTOR = 464 GALLONS	

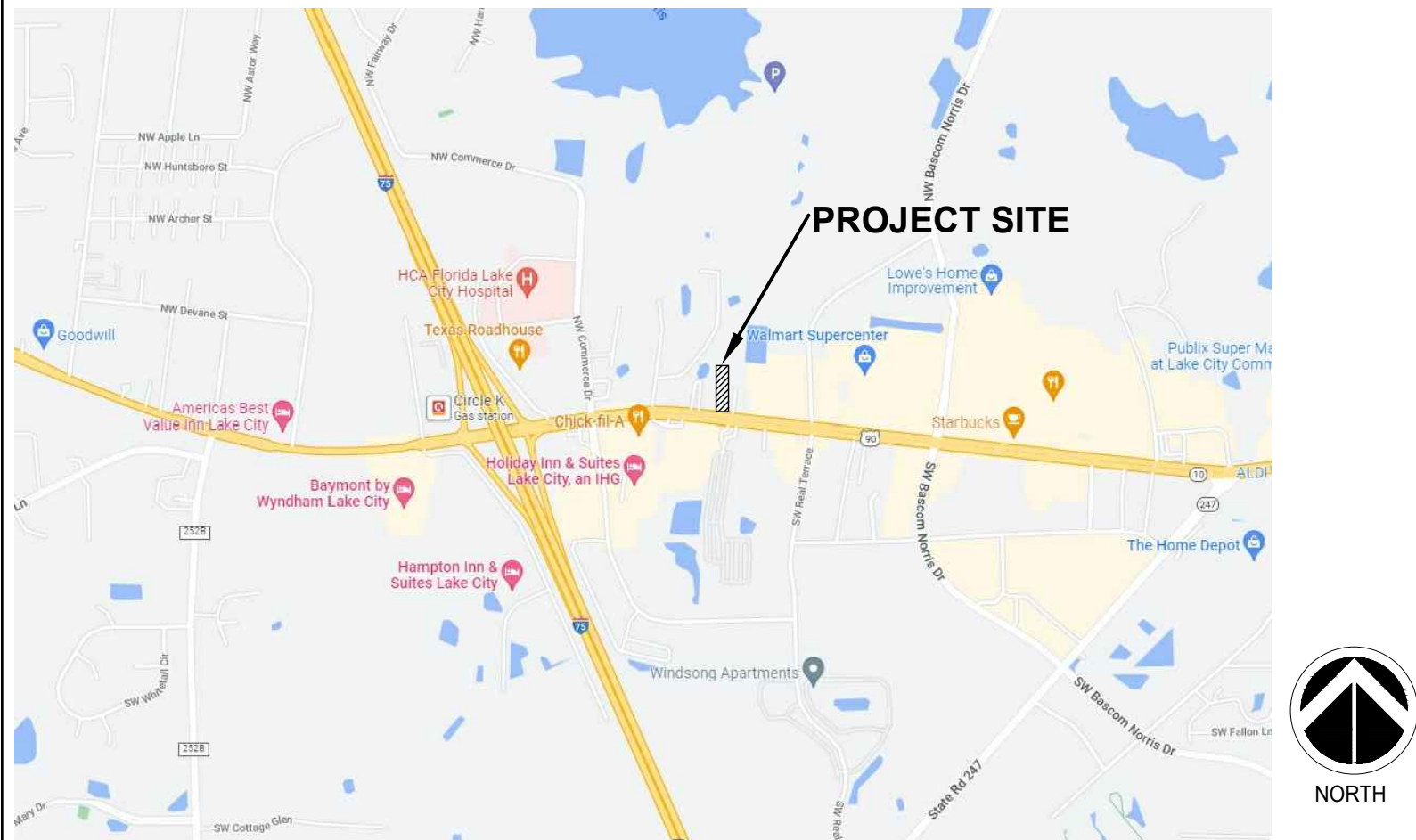
RECLAIM / RECYCLED WATER SYSTEM	
RECLAIM WATER SYSTEM CONSISTS OF (3) 2000 GALLON TANKS. WATER IS COLLECTED FROM TUNNEL, RECYCLED AND RE-USED PRIOR TO DISCHARGE	

WATER USAGE	
TYPICAL WATER USUAGE IS GREATER THAN 2000 GALLONS PER DAY (MORE INFORMATION AVAILABLE ON REQUEST)	

PER VEHICLE WATER VOLUME BREAKDOWN (GALLONS PER VEHICLE / GPV)	
TOTAL WATER VOLUME	87 GPV
RECLAIM (RECYCLED) WATER	-55 GPV
SUBTOTAL	32 GPV - FRESH
EVAPORATION LOSS	-6 GPV - AVERAGE
TOTAL WATER TO SEWER	26 GPV

FINISHED FLOOR ELEVATIONS	
WASH TUNNEL FFE:	157.5'
EQUIPMENT ROOM FFE:	157.5'

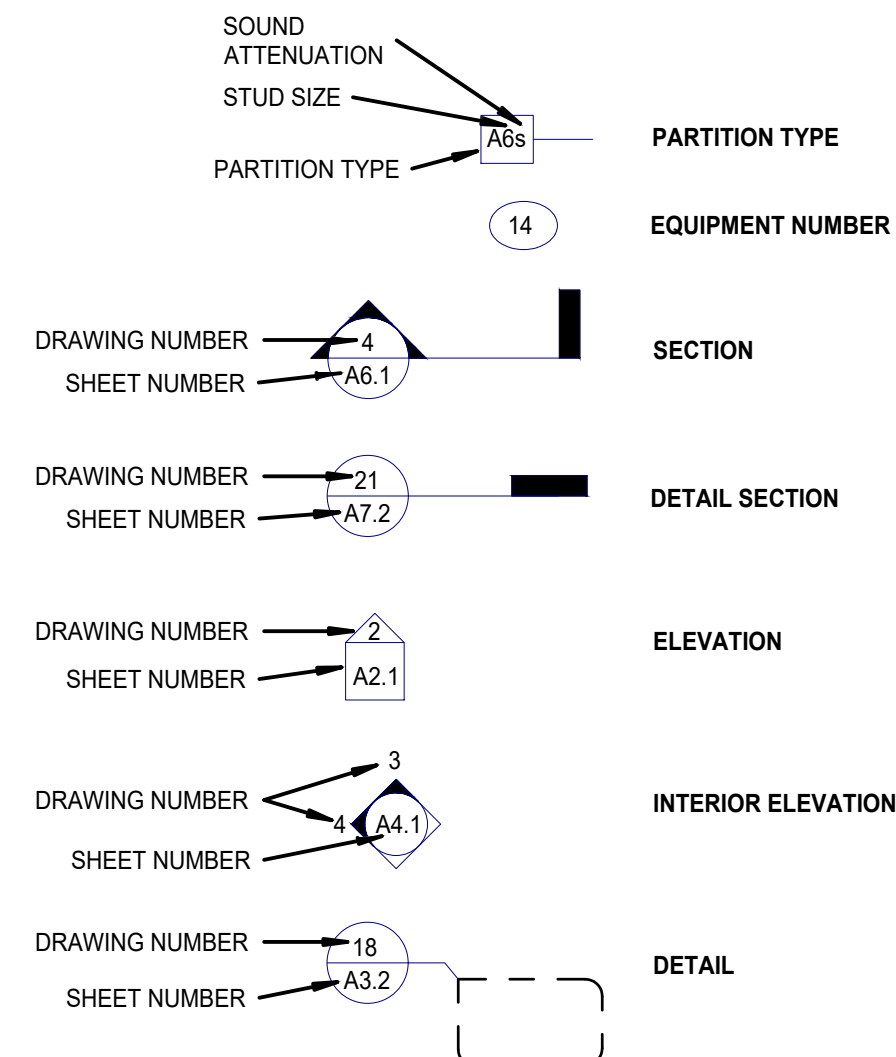
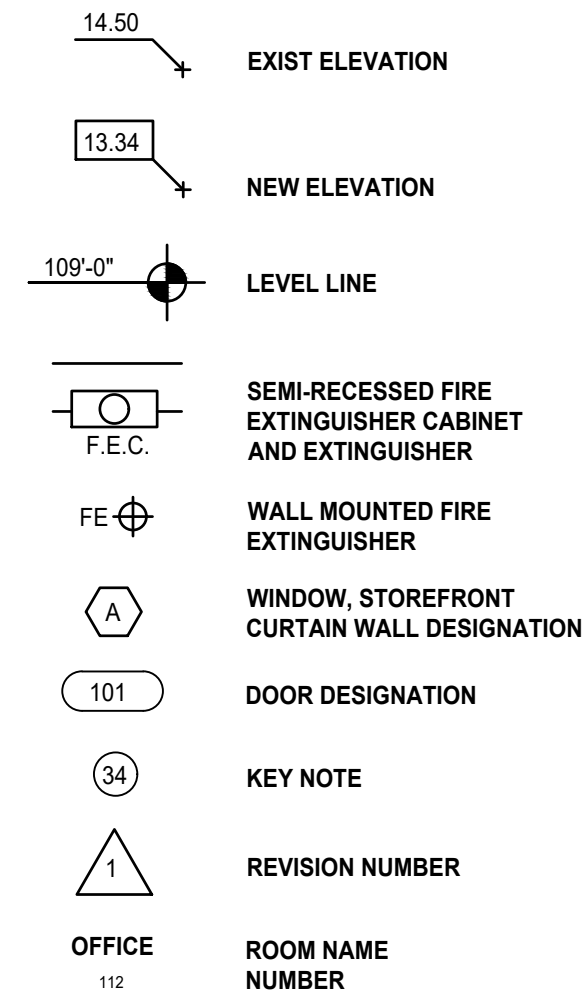
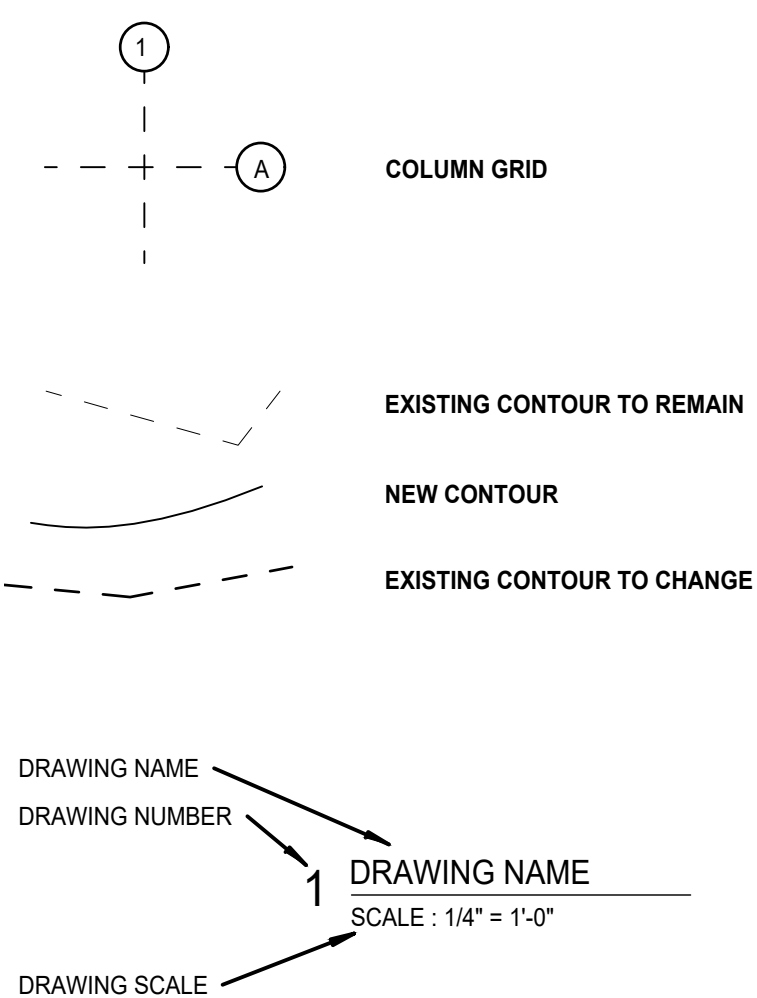
VICINITY MAP



PROJECT DESCRIPTION

- PRIMARY STRUCTURE:**
- NEW AUTOMATIC CAR WASH FACILITY w/ (1) WASH BAY. PRIMARY FACILITY IS CONSTRUCTED OF STRUCTURAL STEEL FRAMING w/ CMU BLOCK WALL INFILL w/ STANDING SEAM METAL ROOF.
- SECONDARY STRUCTURES INCLUDE:**
- (1) SINGLE BAY VAC CANOPY (OPEN-AIR STRUCTURE w/ EXPOSED STRUCTURAL STEEL FRAMING & STANDING SEAM METAL ROOF)
 - (1) STAND ALONE VACUUM EQUIPMENT HOUSE (ENCLOSED STRUCTURE w/ CMU BEARING WALLS, STICK-BUILT ROOF FRAMING & STANDING SEAM METAL ROOF)
 - (1) STAND ALONE VACUUM SCREEN
 - (1) STAND ALONE DUMPSTER SCREEN (PARTIALLY ENCLOSED STRUCTURE w/ CMU SCREEN WALLS & METAL GATE ASSEMBLY - NOT COVERED)
- SHADE STRUCTURES / MISC:**
- (2) SHADE CANOPIES OVER PAY KIOSKS
 - (1) SHADE CANOPY AT VEHICLE WASH PREP AREA
 - FREE-STANDING SELF-SERVICE BOOM VACS
 - (2) PAY KIOSKS
 - (2) FAST PASS READERS
 - (2) ELECTRONIC GATES
 - (1) TUNNEL EXIT STOP-GO LIGHT
 - (2) FOUNDATIONS FOR MENU BOARDS
- FLOOD AREAS:**
- NO FLOOD AREAS IN PROJECT SCOPE
- WETLANDS:**
- NO WETLANDS IN PROJECT SCOPE
- HISTORIC PRESERVATION:**
- NO HISTORIC PRESERVATION IN PROJECT SCOPE
- ENDANGERED SPECIES:**
- NO ENDANGERED SPECIES IN PROJECT SCOPE

SYMBOLS



FILE NAME: X-PLAN.DWG PLOTTED ON: 22-03-14 10:56:15 AM

KEY	DISCIPLINE	NUM	CURRENT SHEET DATE	TITLE	FOR PERMIT	FOR BID	FOR CONST.	REMARKS
1	GENERAL	G0.00	22-0310	COVER SHEET	22-0310			
1	GENERAL	G0.01	22-0310	SHEET INDEX	22-0310			
1	GENERAL	G2.00	22-0310	CODE COMPLIANCE	22-0310			
1	GENERAL	G3.01	22-0310	ADA GUIDELINES	22-0310			
1	GENERAL	G3.02	22-0310	ADA GUIDELINES	22-0310			
1	GENERAL	G4.00	22-0310	WASH TUNNEL LIFE SAFETY PLAN	22-0310			
2	SITE	C0.1	22-0304	SURVEY	22-0304			
2	SITE	C0.00	22-0304	COVER	22-0304			
2	SITE	C0.01	22-0304	ABBREVIATIONS & LEGEND	22-0304			
2	SITE	C0.02	22-0304	GENERAL NOTES & REFERENCES	22-0304			
2	SITE	C0.03	22-0304	EROSION CONTROL & SWPPP NOTES	22-0304			
2	SITE	C0.04	22-0304	EXISTING CONDITIONS PLAN	22-0304			
2	SITE	C1.01	22-0304	DEMOLITION PLAN	22-0304			
2	SITE	C2.01	22-0304	SITE PLAN	22-0304			
2	SITE	C3.01	22-0304	GRADING & DRAINAGE PLAN	22-0304			
2	SITE	C4.01	22-0304	DRAINAGE MAP	22-0304			
2	SITE	C5.01	22-0304	UTILITY PLAN	22-0304			
2	SITE	C6.01	22-0304	PROFILES-STORM PIPE	22-0304			
2	SITE	C6.02	22-0304	PROFILES- SANITARY PIPE	22-0304			
2	SITE	C7.01	22-0304	EROSION CONTROL & SWPPP	22-0304			
2	SITE	C8.01	22-0304	DETAILS - SITE	22-0304			
2	SITE	C8.02	22-0304	DETAILS - SITE	22-0304			
2	SITE	C8.03	22-0304	DETAILS - SITE	22-0304			
2	SITE	C8.04	22-0304	DETAILS - SITE	22-0304			
2	SITE	C9.01	22-0304	DETAILS - UTILITY	22-0304			
2	SITE	C10.01	22-0304	DETAILS - GRADING & DRAINAGE	22-0304			
2	SITE	C10.02	22-0304	DETAILS - GRADING & DRAINAGE	22-0304			
2	SITE	C11.01	22-0304	DETAILS - EROSION	22-0304			
2	SITE	C11.02	22-0304	DETAILS - EROSION	22-0304			
2	SITE	C11.03	22-0304	DETAILS - EROSION	22-0304			
3	ARCHITECTURAL	A01.00	22-0310	WASH TUNNEL KEYNOTE FLOORPLAN	22-0310			
3	ARCHITECTURAL	A02.1	22-0310	DOOR PACKAGE	22-0310			
3	ARCHITECTURAL	A02.14	22-0310	FINISH SCHEDULE	22-0310			
3	ARCHITECTURAL	A02.2	22-0310	OH DOORS	22-0310			
3	ARCHITECTURAL	A02.3	22-0310	STOREFRONT	22-0310			
3	ARCHITECTURAL	A04.10	22-0310	WASH TUNNEL EXTERIOR ELEVATIONS	22-0310			
3	ARCHITECTURAL	A04.20	22-0310	WASH TUNNEL EXTERIOR ELEVATIONS COLOR	22-0310			
3	ARCHITECTURAL	A05.10	22-0310	WASH TUNNEL ENLARGED INTERIORS	22-0310			
3	ARCHITECTURAL	A06.10	22-0310	WASH TUNNEL BUILDING SECTIONS	22-0310			
3	ARCHITECTURAL	A06.11	22-0310	WASH TUNNEL BUILDING SECTIONS	22-0310			
3	ARCHITECTURAL	A06.12	22-0310	WASH TUNNEL BUILDING SECTIONS	22-0310			
3	ARCHITECTURAL	A07.10	22-0310	WASH TUNNEL WALL SECTIONS	22-0310			
3	ARCHITECTURAL	A08.01	22-0310	WASH TUNNEL DETAILS	22-0310			
3	ARCHITECTURAL	A09.00	22-0310	WASH TUNNEL REFLECTED CEILING PLAN	22-0310			
3	ARCHITECTURAL	A10.10	22-0310	WASH TUNNEL ROOF PLAN	22-0310			
3	ARCHITECTURAL	AV2.1	22-0310	DOUBLE VAC CANOPY	22-0310			
3	ARCHITECTURAL	AV3.2	22-0310	VAC HOUSE 2-MOTOR NO VENDING	22-0310			
3	ARCHITECTURAL	AV3.4	22-0310	VAC HOUSE 3-MOTOR LONG	22-0310			
3	ARCHITECTURAL	AX1.1	22-0310	PAY ISLANDS	22-0310			
3	ARCHITECTURAL	AX1.2	22-0310	PAY KIOSK	22-0310			
3	ARCHITECTURAL	AX3.3	22-0310	FRONT ENTRY RIGHT SIDED DUMPSTER	22-0310			
4	STRUCTURAL	SN0.01	22-0311	GENERAL NOTES	22-0311			
4	STRUCTURAL	SN0.02	22-0311	COMPONENTS & CLADDING WIND DIAGRAMS & TABLES	22-0311			
4	STRUCTURAL	SN0.03	22-0311	ABBREVIATIONS & SCHEDULES	22-0311			
4	STRUCTURAL	ST1.00	22-0311	SLAB LEVEL KEYNOTE PLAN	22-0311			
4	STRUCTURAL	ST1.10	22-0311	FOUNDATION & TRENCH BOTTOM PLAN	22-0311			
4	STRUCTURAL	ST1.12	22-0311	ANCHOR BOLT & COLUMN PLAN	22-0311			
4	STRUCTURAL	ST1.30	22-0311	BELOW SLAB CMU PLAN	22-0311			
4	STRUCTURAL	ST1.40	22-0311	TRENCH SLOPE (TOPPER) PLAN	22-0311			
4	STRUCTURAL	ST1.50	22-0311	SLAB PLAN	22-0311			
4	STRUCTURAL	ST1.51	22-0311	SLAB LEAVE OUT PLAN	22-0311			
4	STRUCTURAL	ST1.60	22-0311	WASH TUNNEL FOUNDATION & SLAB SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	ST1.61	22-0311	WASH TUNNEL FOUNDATION & SLAB SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	ST1.62	22-0311	WASH TUNNEL FOUNDATION & SLAB SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	ST1.63	22-0311	WASH TUNNEL SLAB & TRENCH SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	ST1.64	22-0311	WASH TUNNEL FOUNDATION & SLAB LEAVE OUT SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	ST1.65	22-0311	WASH TUNNEL FOUNDATION & SLAB LEAVE OUT SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	ST1.66	22-0311	WASH TUNNEL FOUNDATION & SLAB LEAVE OUT SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	ST1.67	22-0311	WASH TUNNEL FOUNDATION & SLAB LEAVE OUT SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	ST2.00	22-0311	ABOVE SLAB CMU WALL PLAN	22-0311			
4	STRUCTURAL	ST2.10	22-0311	WASH TUNNEL STEEL FRAMING ELEVATIONS	22-0311			
4	STRUCTURAL	ST2.11	22-0311	WASH TUNNEL STEEL FRAMING DETAILS	22-0311			
4	STRUCTURAL	ST2.20	22-0311	WASH TUNNEL CMU WALL ELEVATIONS	22-0311			
4	STRUCTURAL	ST2.21	22-0311	WASH TUNNEL CMU WALL ELEVATIONS	22-0311			
4	STRUCTURAL	ST2.22	22-0311	WASH TUNNEL CMU WALL ELEVATIONS	22-0311			
4	STRUCTURAL	ST2.23	22-0311	WASH TUNNEL CMU WALL ELEVATIONS	22-0311			
4	STRUCTURAL	ST2.24	22-0311	WASH TUNNEL CMU WALL ELEVATIONS	22-0311			
4	STRUCTURAL	ST3.00	22-0311	ROOF LEVEL KEYNOTE PLAN	22-0311			
4	STRUCTURAL	ST3.10	22-0311	ROOF STEEL FRAMING PLAN	22-0311			
4	STRUCTURAL	ST3.11	22-0311	OPERATOR BOOTH ROOF FRAMING PLAN & SECTIONS	22-0311			
4	STRUCTURAL	ST3.20	22-0311	ROOF PURLIN PLAN	22-0311			
4	STRUCTURAL	ST3.30	22-0311	WASH TUNNEL TRUSS ELEVATIONS	22-0311			
4	STRUCTURAL	ST3.40	22-0311	WASH TUNNEL ROOF SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	ST3.41	22-0311	WASH TUNNEL ROOF SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	SV1.00	22-0311	VAC CANOPY -SINGLEFOUNDATIONPLAN	22-0311			
4	STRUCTURAL	SV1.01	22-0311	VAC CANOPY -SINGLE STEEL FRAMING PLAN	22-0311			
4	STRUCTURAL	SV1.02	22-0311	VAC CANOPY -SINGLE COLD FORM PURLIN PLAN	22-0311			
4	STRUCTURAL	SV1.03	22-0311	VAC CANOPY -SINGLE STEEL FRAMING ELEVATION	22-0311			
4	STRUCTURAL	SV3.00	22-0311	VAC CANOPY -FOUNDATIONSECTIONS & DETAILS	22-0311			
4	STRUCTURAL	SV3.10	22-0311	VAC CANOPY -ROOF SECTIONS & DETAILS	22-0311			

KEY	DISCIPLINE	NUM	CURRENT SHEET DATE	TITLE	FOR PERMIT	FOR BID	FOR CONST.	REMARKS
4	STRUCTURAL	SV3.20	22-0311	VAC CANOPY -SINGLE TRUSS ELEVATIONS	22-0311			
4	STRUCTURAL	SV3.30	22-0311	VAC CANOPY -PURLIN DETAILS	22-0311			
4	STRUCTURAL	SX1.00	22-0311	VAC HOUSE -FOUNDATION & WALL PLAN & SECTIONS	22-0311			
4	STRUCTURAL	SX1.01	22-0311	VAC HOUSE -ROOF PLAN & SECTIONS	22-0311			
4	STRUCTURAL	SX1.50	22-0311	VAC HOUSE -FOUNDATION & WALL PLAN & SECTIONS	22-0311			
4	STRUCTURAL	SX1.52	22-0311	VAC HOUSE -ROOF PLAN	22-0311			
4	STRUCTURAL	SX2.00	22-0311	DUMPSTER -FOUNDATION PLAN & DETAILS	22-0311			
4	STRUCTURAL	SX2.01	22-0311	DUMPSTER -CMU PLAN, SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	SX2.02	22-0311	DUMPSTER -STEEL GATE & RAILING	22-0311			
4	STRUCTURAL	SX3.00	22-0311	PAY ISLAND -FOUNDATION PLAN SECTIONS & DETAILS	22-0311			
4	STRUCTURAL	SX3.01	22-0311	PAY ISLAND -FOUNDATIONSECTIONS & DETAILS	22-0311			
4	STRUCTURAL	SX4.00	22-0311	PREP CANOPY -PLAN AND DETAILS	22-0311			
4	STRUCTURAL	SX5.00	22-0311	MISC. STRUCTURAL ELEMENTS	22-0311			
5	MECHANICAL	M1.01	22-0228	HVAC FLOOR PLAN	22-0228			
5	MECHANICAL	M2.01	22-0228	HVAC SCHEDULE & DETAILS	22-0228			
6	PLUMBING	P1.01	22-0228	PLUMBING FLOOR PLAN	22-0228			
6	PLUMBING	P2.01	22-0228	PLUMBING DETAILS	22-0228			
6	PLUMBING	P2.02	22-0228	PLUMBING DETAILS	22-0228			
7	ELECTRICAL	E0.00	22-0301	ELECTRICAL SPECIFICATIONS	22-0301			
7	ELECTRICAL	E0.01	22-0301	ELECTRICAL SITE PLAN & SYMBOLS	22-0301			
7	ELECTRICAL	E0.02	22-0301	CAMERA SITE PLAN	22-0301			
7	ELECTRICAL	E1.01	22-0301	ELECTRICAL FLOOR PLANS	22-0301			
7	ELECTRICAL	E1.02	22-0301	CONTROL FLOOR PLAN	22-0301			
7	ELECTRICAL	E2.01	22-0301	ELECTRICAL RISER AND DETAILS	22-0301			
7	ELECTRICAL	E2.02	22-0301	LIGHT FIXTURE SCHEDULE & PHOTOMETRIC SITE PLAN	22-0301			
7	ELECTRICAL	E2.03	22-0301	PANEL BOARD SCHEDULES	22-0301			
7	ELECTRICAL	P2.01	22-0301	PLUMBING SCHEDULE AND NOTES	22-0301			
7	ELECTRICAL	P2.02	22-0301	PLUMBING DETAILS	22-0301			
7	ELECTRICAL	E0.00	22-0301	ELECTRICAL SPECIFICATIONS	22-0301			
7	ELECTRICAL	E0.01	22-0301	ELECTRICAL SITE PLAN AND SYMBOLS	22-0301			
7	ELECTRICAL	E0.02	22-0301	CAMERA SITE PLAN	22-0301			
7	ELECTRICAL	E1.01	22-0301	ELECTRICAL FLOOR PLANS	22-0301			
7	ELECTRICAL	E1.02	22-0301	CONTROL FLOOR PLAN	22-0301			
7	ELECTRICAL	E2.01	22-0301	ELECTRICAL RISER AND DETAILS	22-0301			
7	ELECTRICAL	E2.02	22-0301	LIGHTING FIXTURE SCHEDULE AND PHOTOMETRIC PLAN	22-0301			
7	ELECTRICAL	E2.03	22-0301	PANELBOARD SCHEDULES	22-0301			



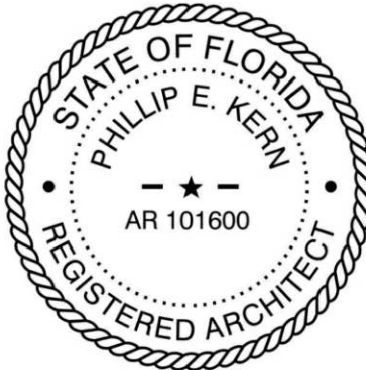
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Tidal Wave Auto Spa
3039 W US-90
Lake City, FL 32055
Columbia County

PROTOTYPE:	AS
PROTOTYPE DATE:	22-0205
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SHEET INDEX

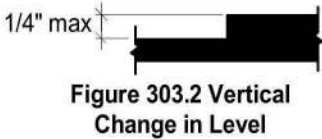
SHEET SCALE:	NTS
SHEET NUMBER:	

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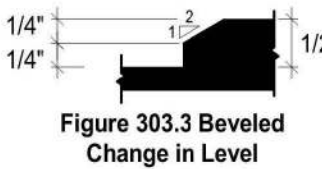
CHAPTER 3: BUILDING BLOCKS

303 Changes in Level

303.2 Vertical. Changes in level of ¼ inch (6.4 mm) high maximum shall be permitted to be vertical.



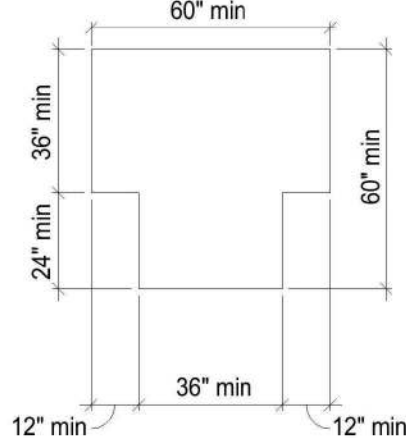
303.3 Beveled. Changes in level between ¼ inch (6.4 mm) high minimum and ½ inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.



304 Turning Space

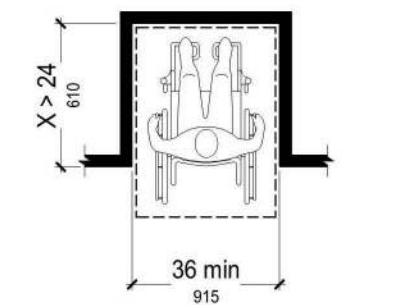
304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

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.

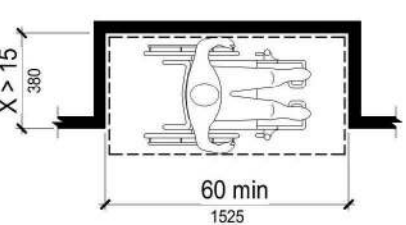


305 Clear Floor or Ground Space

305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm) wide minimum where the depth exceeds 24 inches (610 mm).



305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).



306 Knee and Toe Clearance

306.2 Toe Clearance.

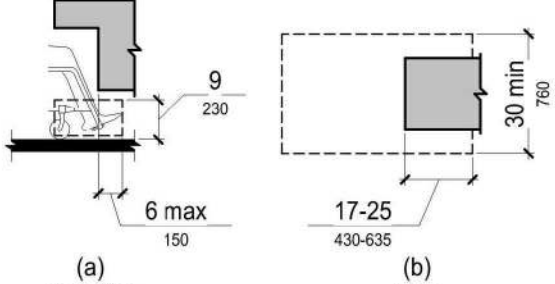
306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.

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

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

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



306.3 Knee Clearance.

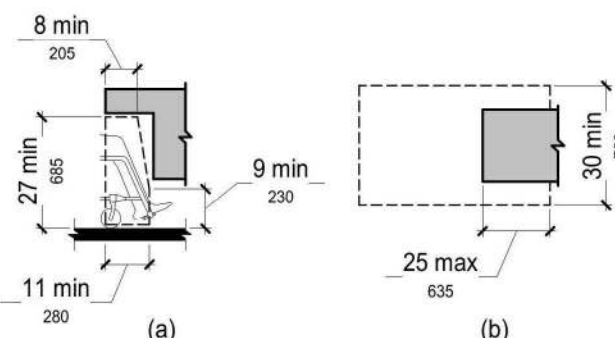
306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.

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.



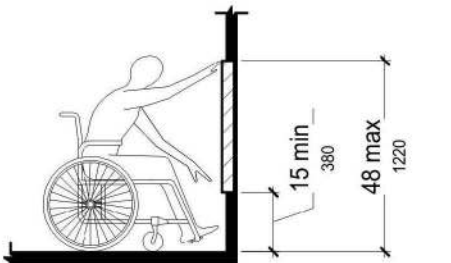
307 Protruding Objects

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 4½ inches (115 mm) maximum.

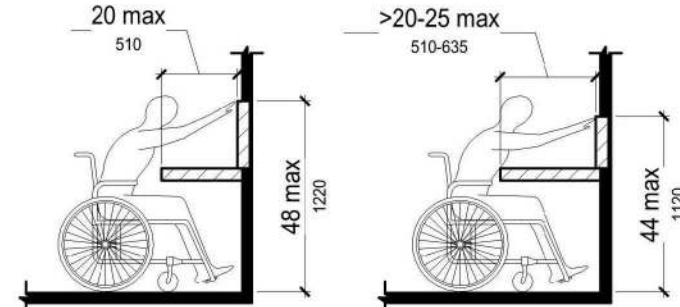
308 Reach Ranges

308.2 Forward Reach.

308.2.1 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.

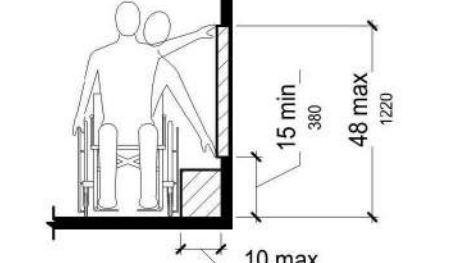


308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20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

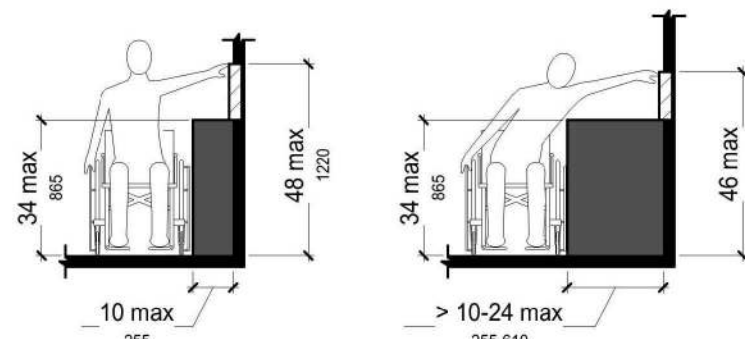


308.3 Side Reach.

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



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



309 Operable Parts

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

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

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

CHAPTER 4: ACCESSIBLE ROUTES

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

Advisory 402.2 Components. Walking surfaces must have running slopes not steeper than 1:20, see 403.3. Other components of accessible routes, such as ramps (405) and curb ramps (406), are permitted to be more steeply sloped.

403 Walking Surfaces

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

403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302.

403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.

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

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

403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, 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) wide minimum.

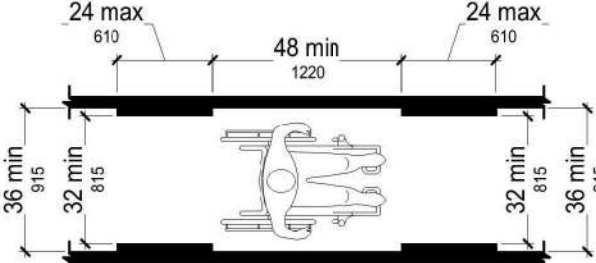


Figure 403.5.1
Clear Width of an Accessible Route

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

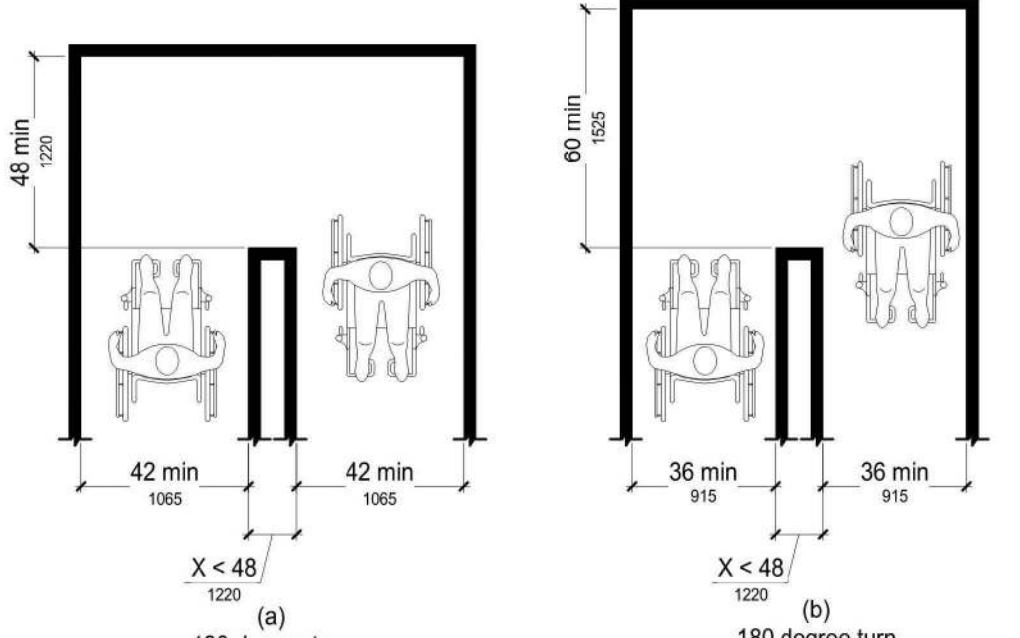


Figure 403.5.2
Clear Width at Turn

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.

404 Doors, Doorways, and Gates

404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening wider than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening wider than 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm).

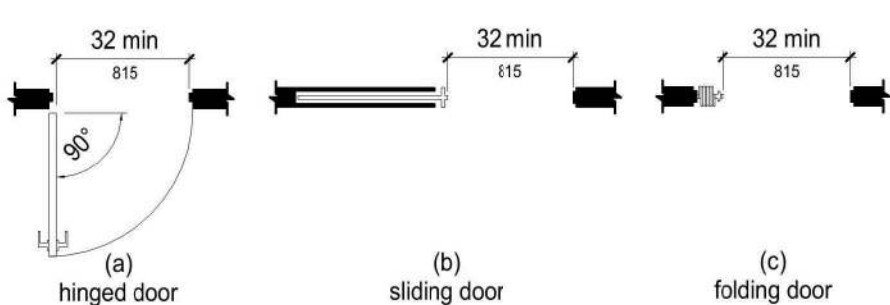


Figure 404.2.3
Clear Width of Doorways

404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of 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 or gate.

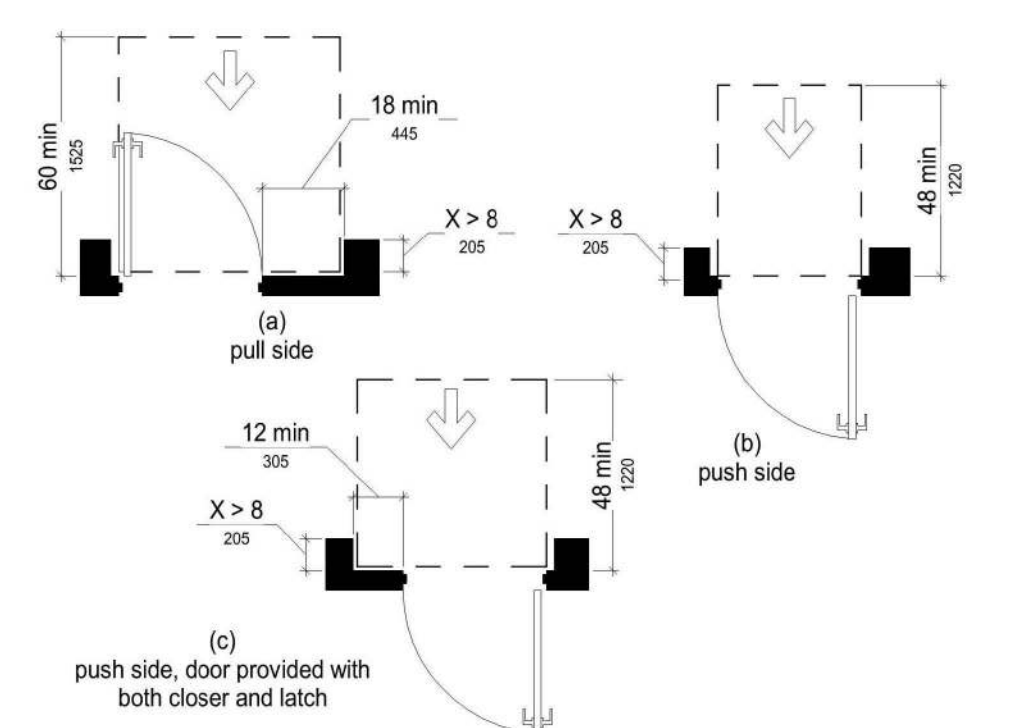


Figure 404.2.4.3
Maneuvering Clearances at Recessed Doors and Gates

404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 309.4. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

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

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

404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:

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

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

404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above the finish floor.

404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power-assisted doors shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

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

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

405 Ramps

405.2 Slope. Ramp runs shall have a running slope not steeper than 1:12.

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

405.5 Clear Width. The clear width of a ramp run and, where handrails are provided, the clear width between handrails shall be 36 inches (915 mm) minimum.

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

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

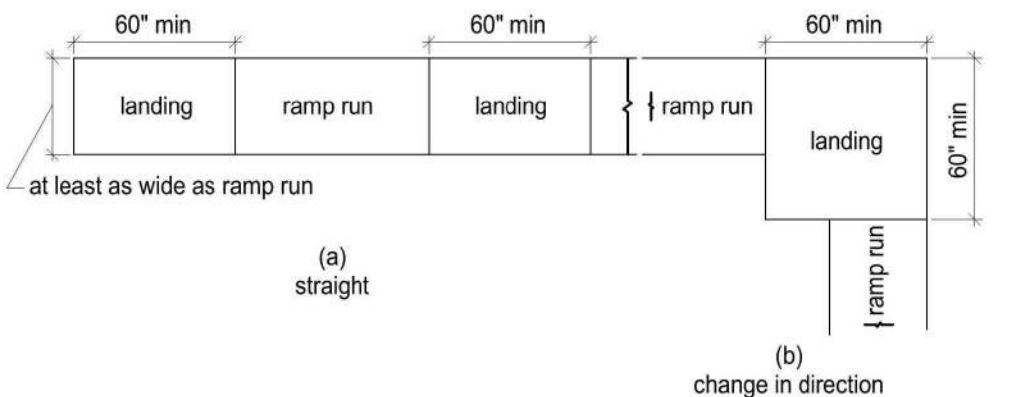


Figure 405.7
Ramp Landings

CHAPTER 5: GENERAL SITE AND BUILDING ELEMENTS

501 General

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

502 Parking Spaces

502.1 General. Car and van parking spaces shall comply with 502. Where parking spaces are marked with lines, width measurements of parking spaces and access aisles shall be made from the centerline of the markings.

EXCEPTION: Where parking spaces or access aisles are not adjacent to another parking space or access aisle, measurements shall be permitted to include the full width of the line defining the parking space or access aisle.

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

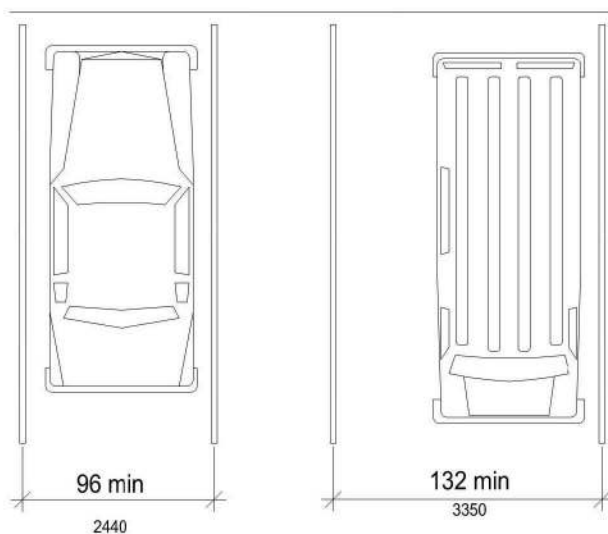


Figure 502.2
Vehicle Parking Spaces

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

502.3.1 Width. Access aisles serving car and van parking spaces shall be 60 inches (1525 mm) wide minimum.

502.3.2 Length. Access aisles shall extend the full length of the parking spaces they serve.

502.3.3 Marking. Access aisles shall be marked so as to discourage parking in them.

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

502.4 Floor or Ground Surfaces. Parking spaces and access aisles serving them shall comply with 302. Access aisles shall be at the same level as the parking spaces they serve. Changes in level are not permitted.

502.5 Vertical Clearance. Parking spaces for vans and access aisles and vehicular routes serving them shall provide a vertical clearance of 98 inches (2490 mm) minimum.

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

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

503 Passenger Loading Zones

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

503.3 Access Aisle. Passenger loading zones shall provide access aisles complying with 503 adjacent to the vehicle pull-up space. Access aisles shall adjoin an accessible route and shall not overlap the vehicular way.

503.3.1 Width. Access aisles serving vehicle pull-up spaces shall be 60 inches (1525 mm) wide minimum.

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

503.3.3 Marking. Access aisles shall be marked so as to discourage parking in them.

CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES

602 Drinking Fountains

602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided. **EXCEPTION:** A parallel approach complying with 305 shall be permitted at units for children's use where the spout is 30 inches (760 mm) maximum above the finish floor or ground and is 3½ inches (90 mm) maximum from the front edge of the unit, including bumpers.

602.3 Operable Parts. Operable parts shall comply with 309.

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

602.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the unit, including bumpers.

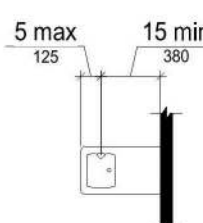


Figure 602.5
Drinking Fountain Spout Location

602.6 Water Flow. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum.

602.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or ground.

603 Toilet and Bathing Rooms

603.2 Clearances. Clearances shall comply with 603.2.

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

603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.

603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.

603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.

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

604 Water Closets and Toilet Compartments

604.2 Location. The water closet shall be positioned 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 to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (483 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.

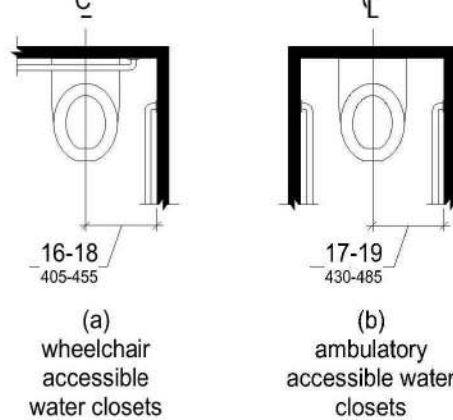


Figure 604.2
Water Closet Location

DESIGNER'S INFORMATION:

SHEET DATE: 22-0310

SHEET REVISIONS:

▲ DATE:	DESCRIPTION:

DRAWN BY:

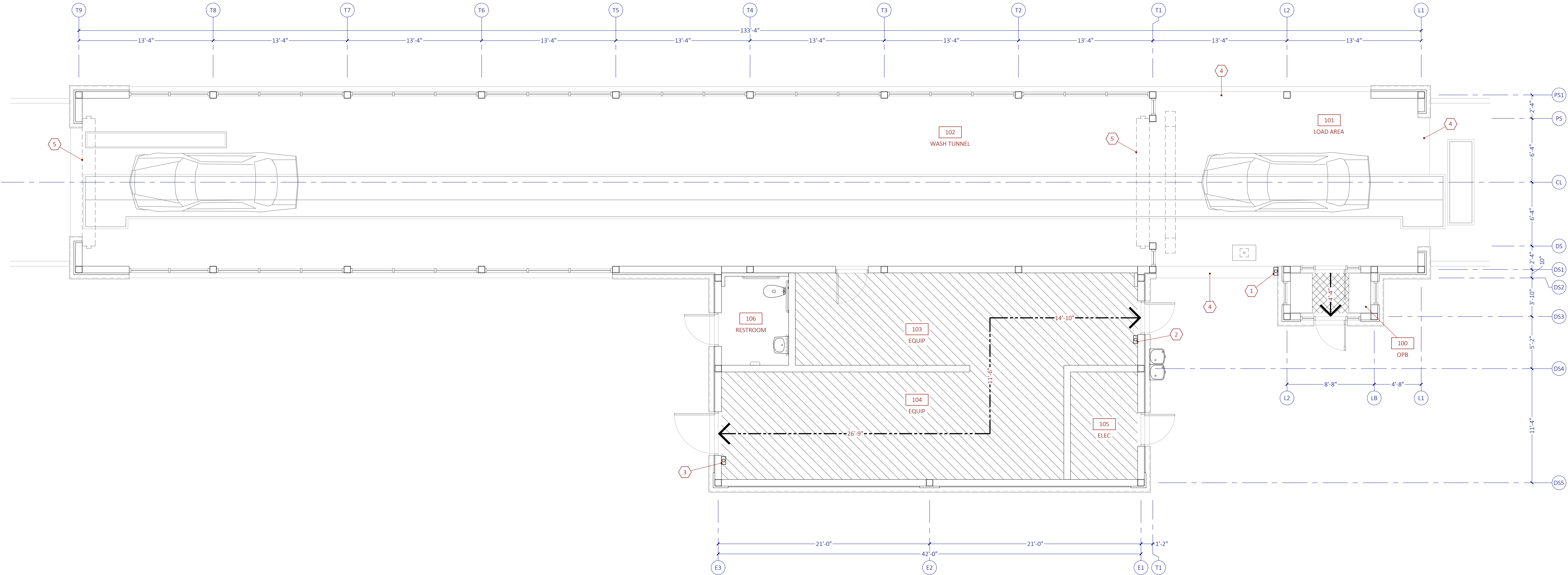
SHEET TITLE:

ADA GUIDELINES

SHEET SCALE: NTS

SHEET NUMBER:

FILE NAME: X-PLANDWG PLOTTED ON: 22-0311 2:50:31 PM



MARK	SHORTNAME	REMARKS
1	Extinguisher OPB	10# ABC Dry Chemical fire extinguisher w/ hanging bracket, Larsen #4A-80BC w/ #546 or approved equal
2	Extinguisher EQE	10# ABC Dry Chemical fire extinguisher w/ hanging bracket, Larsen #4A-80BC w/ #546 or approved equal
3	Extinguisher EQX	10# ABC Dry Chemical fire extinguisher w/ hanging bracket, Larsen #4A-80BC w/ #546 or approved equal
4	Open to Exterior	Loading Area is open air to the exterior, refer to Exterior Elevations for clarification of free movement through space
5	Open During Operation	Overhead Doors to remain open during operation of car wash facility
100	OPB	33 sq ft Business Area - 1 Occupant
101	LOAD AREA	441 sq ft Unclassified Area - 1 Occupant per operation of facility
102	WASH TUNNEL	1552 sq ft Unoccupied Area - 0 Occupants
103	EQUIP	318 sq ft Accessory Storage / Mechanical Equipment Room - 1 Occupant
104	EQUIP	364 sq ft Accessory Storage / Mechanical Equipment Room - 1 Occupant
105	ELEC	72 sq ft Accessory Storage / Electrical Equipment Room - 1 Occupant
106	RESTROOM	55 sq ft Accessory Area / Business Use - 1 Occupant
107	VAC CANOPY	Open Air Secondary Structure - 0 Occupants
108	DUMPSTER	Open Air Secondary Structure - 0 Occupants
109	VAC HOUSE	Open Air Secondary Structure - 0 Occupants



OLSON LAND PARTNERS, LLC
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4300 Legendary Drive, Suite 234
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PROJECT:



Tidal Wave Auto Spa
3039 W US-90
Lake City, FL 32055
Columbia County

PROTOTYPE: 133DS
PROTOTYPE DATE: 22-0205
SETUP DATE: 22-0205

SET NAME:


SET DATE:

PROFESSIONAL OF RECORD:



This item has been electronically signed and sealed by Phillip Kern, NCARB using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on all electronic copies

DESIGNER'S INFORMATION:



SHEET DATE: 22-0310

SHEET REVISIONS:

▲ DATE:	DESCRIPTION:

DRAWN BY:

SHEET TITLE:

LIFE-SAFETY PLAN

SHEET SCALE: 3/16" = 1'-0"

SHEET NUMBER:

G04.0