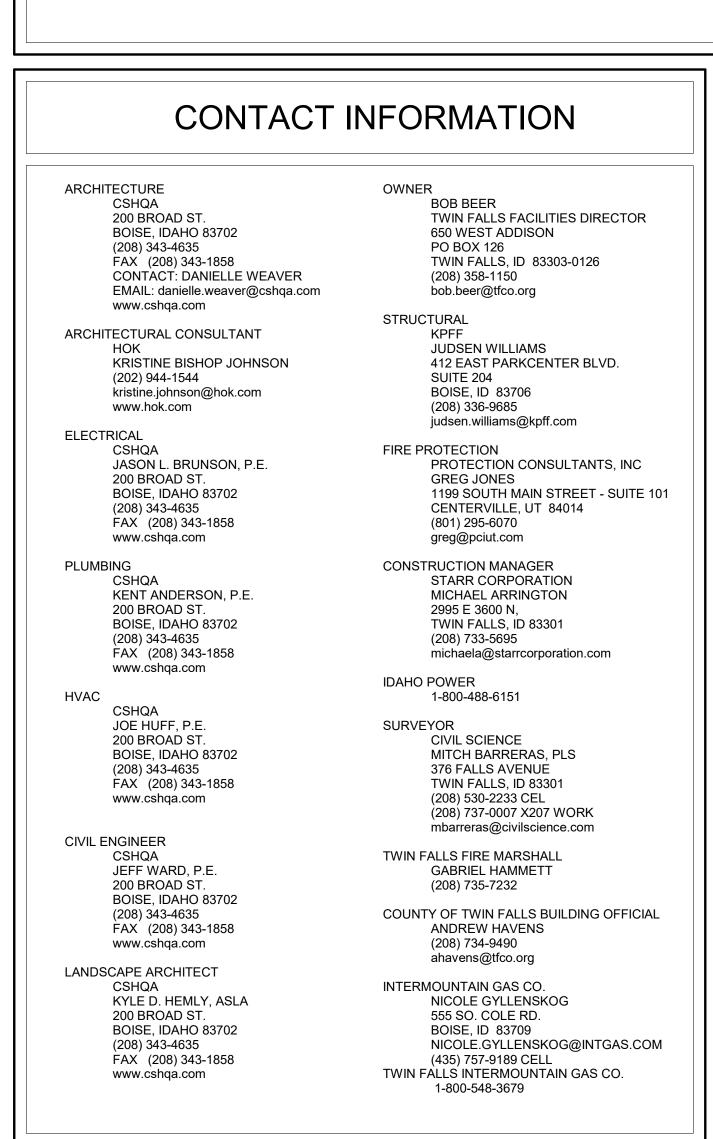


THERON W. WARD JUDICIAL BUILDING REMODEL & EXPANSION

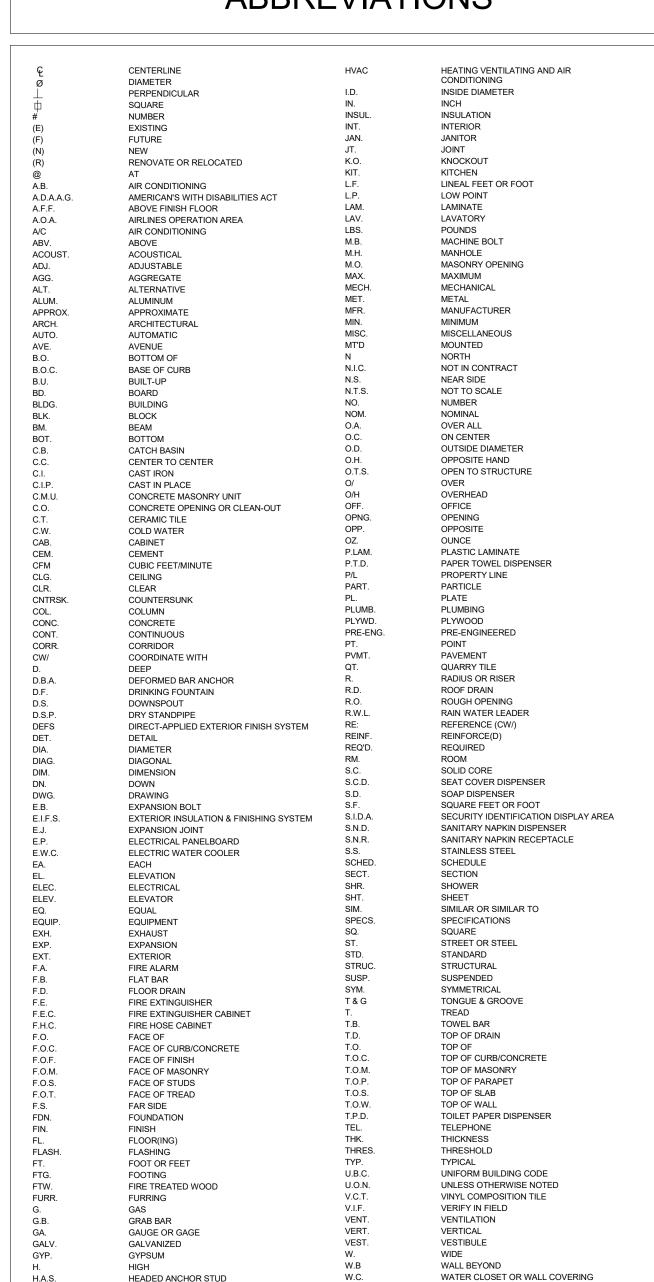
427 SHOSHONE ST. N

TWIN FALLS, IDAHO

PROJECT INFORMATION



ABBREVIATIONS

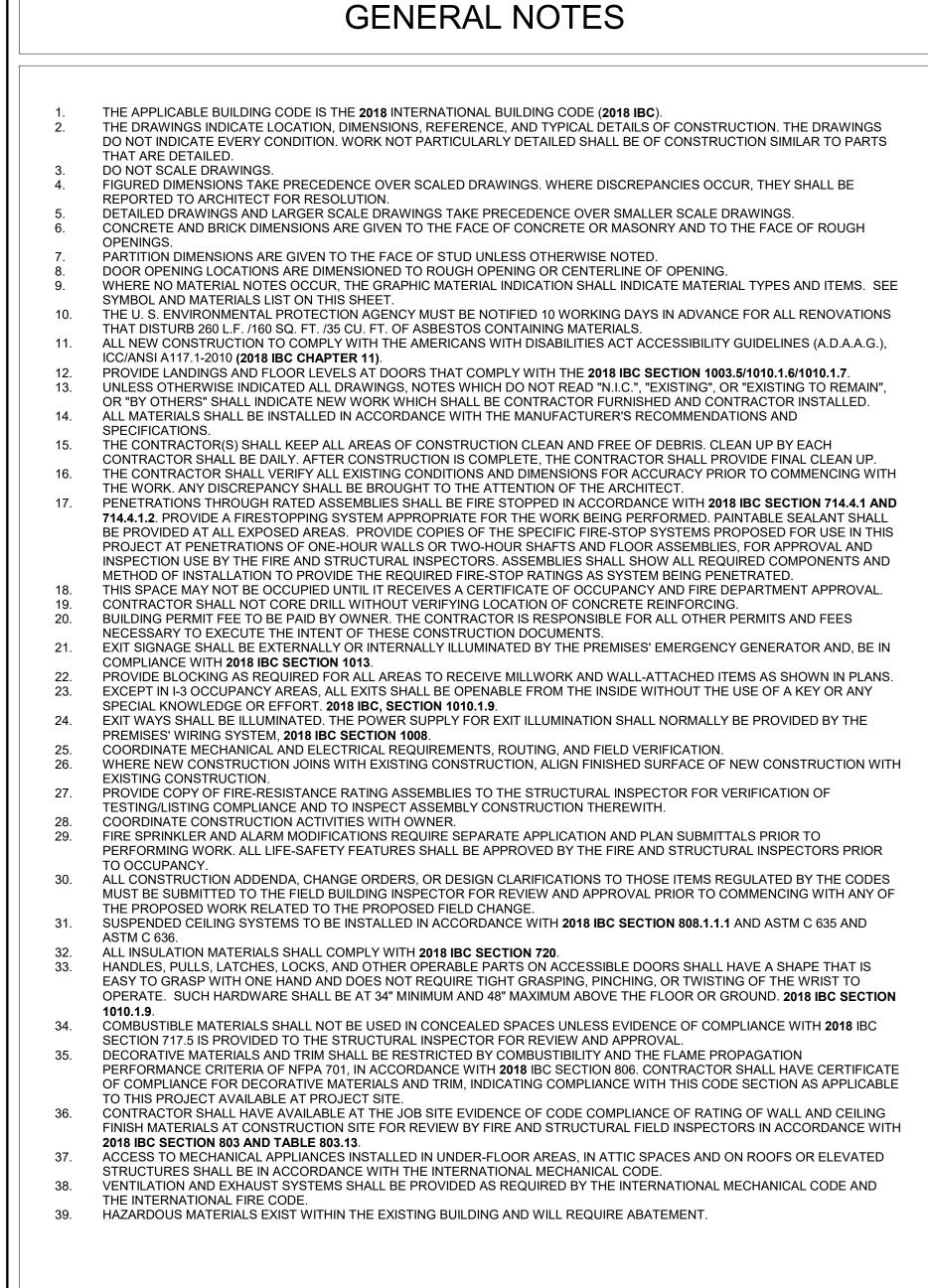


WIRE GLASS WIRE GLASS

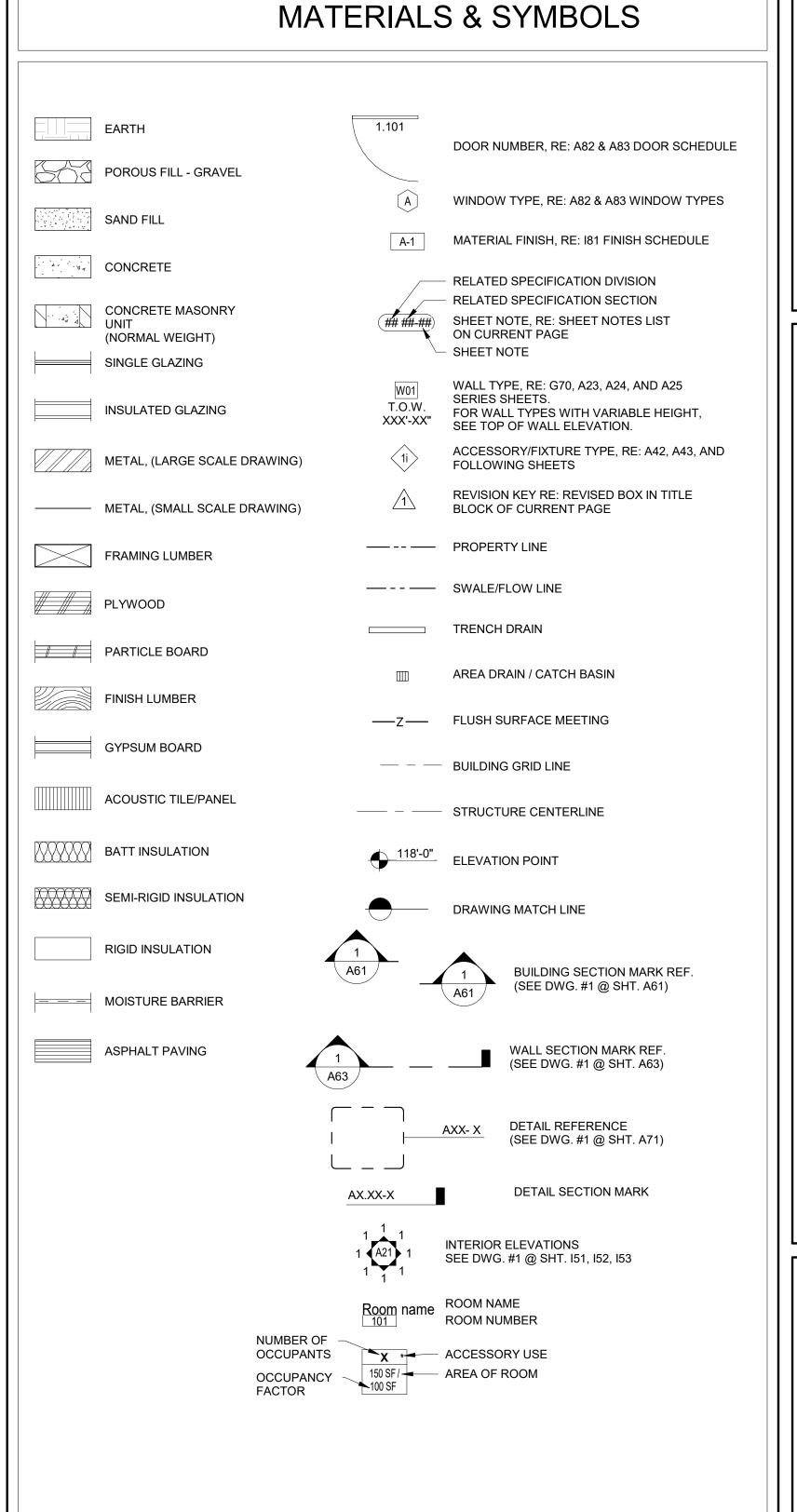
WELDED WIRE FABRIC

HEADED CONCRETE ANCHOR

HANDICAPPED - A.D.A.A.O HOLLOW METAL



VICINITY MAP



DESCRIPTION OF PROJECT THERON W. WARD JUDICIAL BUILDING REMODEL AND EXPANSION WITH PUBLIC HEALTH SAFETY, AND TECHNOLOGICAL UPGRADES TO PREVENT OR CONTROL THE SPREAD OF PROJECT DESCRIPTION OFFICIAL PROJECT NAME AND PROJECT ADDRESS: THERON W. WARD JUDICIAL BUILDING REMODEL AND EXPANSION WITH PUBLIC HEALTH, SAFETY, AND TECHNOLOGICAL UPGRADES TO PREVENT OR CONTROL THE SPREAD OF INFECTIOUS DISEASE 427 Shoshone St N Twin Falls, ID 83301 CONSTRUCTION TYPE: OCCUPANCY GROUP: A-3, B and I-3 2018 INTERNATIONAL BUILDING CODE (IBC) 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2017 UNFORM PLUMBING CODE (UPC) 2018 INTERNATIONAL MECHANICAL CODE (IMC) 2018 INTERNATIONAL FUEL GAS CODE (IFGC) 2017 NATIONAL ELECTRICAL CODE (NEC) 2016 SAFETY CODE FOR ELEVATORS AND ESCALATORS 2014 ELEVATOR AND ESCALATOR ELECTRICAL EQUIPMENT 2018 INTERNATIONAL FIRE CODE NOTE: SEE SHEET G11 "CODE PLAN AND DATA" AND SHEET S02 "DESIGN CRITERIA" FOR MORE INFORMATION LEGAL DESCRIPTION: TOWNSHIP 10 SOUTH RANGE 17 EAST BOISE MERIDAIN TWIN FALLS COUNTY, IDAHO WIND LOADING AS FOLLOWS: INTERNATIONAL RESIDENTIAL CODE 115 MPH, 3-SECOND GUST, INTERNATIONAL BUILDING CODE FOR RISK CATEGORY II BUILDINGS OF 105 MPH WIND DESIGN HEIGHT AND EXPOSURE ADJUSTMENT COEFFICIENT IS "C" SNOW LOAD 30 LBS. PER SQ. FT. (GROUND) SEISMIC DESIGN CATEGORY "C" DESIGN TEMPERATURE ZERO DEGREES FAHRENHEIT WEATHERING PROBABILITY RATING FOR CONCRETE IS "SEVERE" FROST LINE DEPTH IS 24" BELOW FINISHED GRADE ROOF ASSEMBLY AT BOTH NEW AND EXISTING BUIDLINGS: CLASS B RISK CATEGORY III PER IBS TABLE 1604.5

ALTERNATES

ADD ALTERNATE TO REPLACE EXTERIOR WALL BATT INSULATION WITH SPRAY FOAM ADD ALTERNATE TO INCLUDE PIPING AND PACKAGED PUMP STATION TO THE BASEMENT FOUNDATION WALL DRAIN SYSTEM BASE BID: DO NOT INSTALL BULLET RESISTANT PANELS IN THE COURT ROOMS AND IN SECTION 102641 AND DETAILED AT I20-1

BASE BID: 12 GAUGE DETENTION HOLLOW METAL DOORS AND FRAMES SPECIFIED IN SECTION 111913 DETENTION HOLLOW METAL DOORS AND FRAMES AIRTEQ 604 FMCS HINGES AS SPECIFIED IN SECTION 111953 DETENTION HARDWARE AND AS SHOWN ON SHEET A75.4. ALTERNATE ITEM: INSTALL 14 GAUGE, MAXIMUM DUTY, HOLLOW METAL DOORS AND FRAMES AS SPECIFIED IN SECTION 081113 HOLLOW METAL DOORS AND FRAMES, WITH STANLEY 5 KNUCKLE FULL MORTISE HINGES, AS SPECIFIED IN SECTION 087100 DOOR HARDWARE AND AS SHOWN ON SHEET A 75.4. ALSO PROVIDE 1 1/4" GLAZING STOPS @ ALL SECURITY GLAZED OPENINGS.

S52 A41A VERTICAL CIRCULATION

ADD ALTERNATE FOR UV LIGHT UPGRADE AT RTUS HEARING ROOMS. ADD ALTERNATE NO. 04: ADD BULLET RESISTANT PANELS AS SPECIFIED NOTE: BULLET RESISTANT PANELS AT HALF-WALL IN LOBBY AREA ARE PART OF THE

PROJECT'S BASE BID.

FIRE SPRINKLER SHOP DRAWINGS FIRE ALARM SHOP DRAWINGS

INTERIOR DETAILS

ROOM FINISH SCHEDULES

CARPET INSTALL DIAGRAM

OPEN WEB STEEL JOISTS **CURTAIN WALL AND OTHER GLAZING SYSTEMS**

"We Approve of this Contract Document Set and understand that in accordance with our Design Services Agreement, significant changes requiring more than 4 hours of time to implement requested by us after granting this approval may result in project delays and/or additional design fees:

DP11 DEMO WASTE & VENT PLAN LEVEL 1 DP12 DEMO WATER & GAS PLAN LEVEL 1

62 - PLUMBING P00. PLUMBING COVER SHEET P01. PLUMBING CALCULATIONS P20 WASTE & VENT PLAN BASEMENT P21A WASTE & VENT PLAN LEVEL 1 - AREA A P21B WASTE & VENT PLAN LEVEL 1 - AREA B P22A WASTE & VENT PLAN LEVEL 2 - AREA A P22B WASTE & VENT PLAN LEVEL 2 - AREA B

P31B WATER & GAS PLAN LEVEL 1 - AREA B P32A WATER & GAS PLAN LEVEL 2 - AREA A P32B WATER & GAS PLAN LEVEL 2 - AREA B P33A PLUMBING ROOF PLAN - AREA A P33B PLUMBING ROOF PLAN - AREA B P71 PLUMBING DETAILS P81 SCHEDULES

DRAWING INDEX

M00 HVAC COVER SHEET ENERGY COMPLIANCE HVAC PLAN BASEMENT M11A HVAC PLAN LEVEL 1 - AREA A M12A HVAC PLAN LEVEL 2 - AREA A

M11B HVAC PLAN LEVEL 1 - AREA B M12B HVAC PLAN LEVEL 2 - AREA B M13 HVAC ROOF PLAN M61 HVAC SECTIONS M71 HVAC DETAILS 1 M72 HVAC DETAILS 2 HVAC SCHEDULES 1 **HVAC SCHEDULES 2**

CODE REQUIRED VENTILATION RATES CODE REQUIRED VENTILATION RATES HVAC CONTROLS M92 HVAC CONTROLS 80 - ELECTRICAL

E00 ELECTRICAL SYMBOLS & ABBREV

E01 LIGHTING CONTROL SCHEDULES E03 ENERGY COMPLIANCE FORMS E10 LIGHTING PLAN BASEMENT E11A LIGHTING PLAN LEVEL 1 AREA A E11B LIGHTING PLAN LEVEL 1 AREA B E12 LIGHTING PLAN LEVEL 2 E20 POWER PLAN BASEMENT E21A POWER PLAN LEVEL 1 AREA A E21B POWER PLAN LEVEL 1 AREA B

E22 POWER PLAN LEVEL 2 E23A POWER PLAN ROOF AREA A MASONRY DETAIL - NONBEARING WALL E23B POWER PLAN ROOF AREA B E30 MECHANICAL POWER PLAN BASEMENT E31A MECHANICAL POWER PLAN LEVEL 1 AREA A E31B MECHANICAL POWER PLAN LEVEL 1 AREA B

E71 DETAILS

E80 SINGLE-LINE

E81 PANEL SCHEDULES

E82 PANEL SCHEDULES

E83 PANEL SCHEDULES

E84 PANEL SCHEDULES

E85 PANEL SCHEDULES

ES10 ELECTRICAL SITE PLAN

FP10 FIRE SPKR PLAN BASEMENT

FP11A FIRE SPKR PLAN LEVEL 1 AREA A

FP11B FIRE SPKR PLAN LEVEL 1 AREA B

FP12A FIRE SPKR PLAN LEVEL 2 AREA A

FP12B FIRE SPKR PLAN LEVEL 2 AREA B

FA10 FIRE ALARM PLAN BASEMENT

FA11A FIRE ALARM PLAN LEVEL 1 AREA A

FA11B FIRE ALARM PLAN LEVEL 1 AREA B

FA12A FIRE ALARM PLAN LEVEL 2 AREA A

84 - SITE ELECTRICAL

90 - FIRE PROTECTION

92 - FIRE ALARM

STEEL DECK DETAILS - TYPICAL E40 TELECOM PLAN BASEMENT COLD-FORMED METAL FRAMING DETAILS E41A TELECOM PLAN LEVEL 1 AREA A COLD-FORMED METAL FRAMING DETAILS E41B TELECOM PLAN LEVEL 1 AREA B COLD-FORMED METAL FRAMING DETAILS E42 TELECOM PLAN LEVEL 2 STEEL STAIR PLAN & SECTION - AREA A E50 SECURITY PLAN BASEMENT STEEL STAIR PLAN & SECTION - AREA B E51A SECURITY PLAN LEVEL 1 AREA A E51B SECURITY PLAN LEVEL 1 AREA B E52 SECURITY PLAN LEVEL 2

S81 STRUCTURAL RETROFIT DETAILS 50 - ARCHITECTURAL A20 BASEMENT FLOOR PLAN OVERALL FIRST FLOOR PLAN A21A FIRST FLOOR PLAN AREA A A21B FIRST FLOOR PLAN AREA B OVERALL SECOND FLOOR PLAN A22A SECOND FLOOR PLAN AREA A

STEEL STAIR DETAILS

ELEVATOR SECTIONS

EXISTING CMU WALL OPENING

ENERGY COMPLIANCE

CODE PLAN & DATA

A.D.A. GENERAL NOTES

A.D.A. GENERAL NOTES

A.D.A. GENERAL NOTES

10 - DEMO ARCHITECTURAL

DA21 DEMO FLOOR PLAN DA22 DEMO ROOF PLAN

C50 UTILITY PLAN

L10 LANDSCAPE PLAN

IRRIGATION PLAN

LANDSCAPE DETAILS

ROOF LOADING PLAN

ROOF PLAN - AREA A

ROOF PLAN - AREA B

S31B BUILDING SECTION - AREA B

S32A CMU WALL ELEVATION - AREA A

WALL SECTIONS - AREA A

WALL SECTIONS - AREA B

CONCRETE DETAILS

CONCRETE DETAILS

MASONRY DETAILS - TYPICAL

MASONRY DETAILS - TYPICAL

STEEL DETAILS - TYPICAL

STEEL DETAILS - FRAMING

STEEL DETAILS - LATERAL

STEEL DETAILS - JOIST

BASEMENT PLAN - AREA B

FIRST FLOOR PLAN - AREA B

SECOND FLOOR PLAN - AREA A

BUILDING ELEVATION - AREA B

CMU WALL ELEVATION - AREA B

CONCRETE DETAILS - FOUNDATION

CONCRETE DETAILS - FOUNDATION

BUILDING SECTION - AREA A

30 - LANDSCAPE

SECOND FLOOR EGRESS PLAN

GENERAL INFORMATION SHEET

EROSION AND SEDIMENT CONTROL PLAN

ABBREVIATIONS, SYMBOLS AND SHEET INDEX

GENERAL STRUCTURAL NOTES

STATEMENT OF SPECIAL INSPECTIONS

STATEMENT OF SPECIAL INSPECTIONS

SITE DEMOLITION PLAN

GRADING AND SITE PLAN

FIRST FLOOR AND BASEMENT EGRESS PLAN

A22B SECOND FLOOR PLAN AREA B BASEMENT DIMENSION FLOOR PLAN A24A FIRST FLOOR DIMENSION PLAN AREA A A24B FIRST FLOOR DIMENSION PLAN AREA B A25A SECOND FLOOR DIMENSION PLAN AREA A A25B SECOND FLOOR DIMENSION PLAN AREA B OVERALL ROOF PLAN ROOF PLAN AREA A

A26B ROOF PLAN AREA B BASEMENT REFLECTED CEILING PLAN OVERALL FIRST FLOOR REFLECTED CEILING PLAN A31A FIRST FLOOR REFLECTED CEILING PLAN AREA A A31B FIRST FLOOR REFLECTED CEILING PLAN AREA B A32 OVERALL SECOND FLOOR REFLECTED CEILING PLAN FA12B FIRE ALARM PLAN LEVEL 2 AREA B A32A SECOND FLOOR REFLECTED CEILING PLAN AREA A A32B SECOND FLOOR REFLECTED CEILING PLAN AREA B

A41B VERTICAL CIRCULATION A41C VERTICAL CIRCULATION DETAILS ENLARGED PLANS ENLARGED PLANS **ENLARGED PLANS - COURTROOMS ENLARGED PLANS - COURTROOMS** A46 ENLARGED PLANS - COURTROOMS

VERTICAL CIRCULATION

A47 ENLARGED PLANS - COURTROOMS ENLARGED PLANS - COURT HOLDING **ENLARGED PLANS - CENTRAL HOLDING** A50 DETAILS A50A DETAILS

A50B DETAILS A50C DETAILS A50D DETAILS EXTERIOR ELEVATIONS

EXTERIOR ELEVATIONS BUILDING SECTIONS BUILDING SECTIONS BASEMENT WATERPROOFING DETAILS A72 PLAN/ EXTERIOR DETAILS

A72.1 PLAN/ EXTERIOR DETAILS A73 CEILING DETAILS ROOFING DETAILS A75.1 DOOR & WINDOW DETAILS A75.3 DOOR AND WINDOW DETAILS A75.4 SECURE DOOR SCHEDULE AND DETAILS

A75.5 DOOR, WINDOW DETAILS DOOR SCHEDULE

DOOR SCHEDULE

A84 DOOR, FRAME & WINDOW TYPES 53 - INTERIORS

FLOOR FINISH PLAN BASEMENT OVERALL FLOOR FINISH PLAN LEVEL FLOOR FINISH PLAN LEVEL 1 AREA A FLOOR FINISH PLAN LEVEL 1 AREA B OVERALL FLOOR FINISH PLAN LEVEL

FLOOR FINISH PLAN LEVEL 2 AREA A FLOOR FINISH PLAN LEVEL 2 AREA B TYPICAL COURTROOM MILLWORK DETAILS **ENLARGED PLANS AND ELEVATIONS** INTERIOR ELEVATIONS INTERIOR ELEVATIONS INTERIOR DETAILS

DEFERRED SUBMITTALS

MEP EQUIPMENT ANCHORAGE AND SEISMIC BRACING EXISTING WOOD TRUSSES GERC SHOP DRAWINGS PNEUMATIC DETENTION LOCK DESIGN DECORATIVE METAL GUARDRAIL DESIGN

SIGNATURE

ORIGINAL SHEET SIZE

TITLE SHEET

SHEET TITLE

SHEET

AGENCY

REVIEW SET

04-17-23

DRD

CHECKED

PROJECT

21403.000

DRAWN

NB,KL

REVISED

Project Information

Vertical Glazing / Wall Area:

Data filename:

2018 IECC 21403.0 TJW JUDICIAL BUILDING Energy Code: Project Title: Location: Twin Falls, Idaho Climate Zone: Project Type: New Construction

12%

Construction Site: Owner/Agent: Designer/Contractor: 427 SHOSHONE ST N TWIN FALLS, Idaho 83301 BOB BEER TWIN FALLS COUNTY DANIELLE WEAVER CSHQA 200 W BROAD ST BOISE, Idaho 83702 208-343-4635 danielle.weaver@cshqa.com 427 SHOSHONE ST N TWIN FALLS, Idaho 83301 208-358-1150 bob.beer@tfco.org

Additional Efficiency Package(s) Credits: 1.0 Required 1.0 Proposed Enhanced Envelope Performance, 1.0 credit

Building Area	Floor Area
1-Office : Nonresidential	23900
2-Court House : Nonresidential	63500

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value		Budget U- Factor⊫
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Office]	16505		38.0	0.026	0.032
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Office]	4320		38.0	0.026	0.032
Roof: Insulation Entirely Above Deck, [Bldg. Use 2 - Court House]	24752		38.0	0.026	0.032
Floor- Building A: Unheated Slab-On-Grade Fully insulated (uniform R-value across perimeter + under entire slab), [Bldg. Use 1 - Office] (c)	663		10.0	0.360	0.540
Floor- Building B: Unheated Slab-On-Grade Fully insulated (uniform R-value across perimeter + under entire slab), [Bldg. Use 2 - Court House] (c)	702		10.0	0.360	0.540
Floor: Unheated Slab-On-Grade Fully insulated (uniform R- value across perimeter + under entire slab), [Bldg. Use 2 - Court House] (c)	482		10.0	0.360	0.540
NORTH					
Ext. Wall - North: Steel-Framed, 24in. o.c., [Bldg. Use 1 - Office]	1569	21.0	10.0	0.048	0.064
Door 1: Insulated Metal, Swinging, [Bldg. Use 1 - Office]	27			0.156	0.370
Door 2: Insulated Metal, Swinging, [Bldg. Use 1 - Office]	45			0.156	0.370
Ext. Wall- North Wall 2: Steel-Framed, 24in. o.c., [Bldg. Use 2 - Court House]	10654	21.0	10.0	0.048	0.064
Window- 1-12 second floor: Metal Frame: Fixed, Perf. Specs.: Product ID System Select, SHGC 0.38, [Bldg. Use 2 - Court House] (b)	192			0.290	0.380
Window- 1-25 first floor: Metal Frame: Fixed, Perf. Specs.:	200			0.290	0.380

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget l Factor _i
Product ID System Select, SHGC 0.38, [Bldg. Use 2 - Court House] (b)					
Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID System Select, SHGC 0.38, [Bldg. Use 2 - Court House] (b)	46			1.650	0.450
Ext. Wall- North Wall 3: Steel-Framed, 24in. o.c., [Bldg. Use 1 - Office]	1728	21.0	10.0	0.048	0.064
Basement Wall- North: Solid Concrete, 10in. Thickness, Normal Density, Furring: Metal, Wall Ht 15.0, Depth B.G. 14.5, [Bldg. Jse 2 - Court House]	2050	21.0	3.3	0.091	0.119
AST Ext. Wall- East 1: Steel-Framed, 24in. o.c., [Bldg. Use 2 - Court House]	5093	21.0	10.0	0.048	0.064
Window- 1-3: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID System Select, SHGC 0.26, [Bldg. Use 2 - Court House] (b)	300			0.440	0.380
Door- 1: Insulated Metal, Swinging, [Bldg. Use 2 - Court House]	24			0.156	0.370
Door- 2: Insulated Metal, Swinging, [Bldg. Use 2 - Court House]	24			0.156	0.370
Door- 3: Insulated Metal, Swinging, [Bldg. Use 2 - Court House]	45			0.156	0.370
xt. Wall- East 2: Steel-Framed, 24in. o.c., [Bldg. Use 1 - Office]	2222	21.0	0.0	0.090	0.064
Basement Wall- East: Solid Concrete, 10in. Thickness, Normal Density, Furring: Metal, Wall Ht 15.0, Depth B.G. 14.5, [Bldg. Use 2 - Court House]	666	21.0	3.3	0.091	0.119
OUTH Ext. Wall- South 1: Steel-Framed, 24in. o.c., [Bldg. Use 1 - Office]	3359	21.0	10.0	0.048	0.064
Window- 1-4: Metal Frame: Fixed, Perf. Specs.: Product ID System Select, SHGC 0.26, [Bldg. Use 1 - Office] (b)	258			0.440	0.380
Nindow- 5-7: Metal Frame: Fixed, Perf. Specs.: Product ID System Select, SHGC 0.26, [Bldg. Use 1 - Office] (b)	880			0.440	0.380
ext. Wall- South 2: Steel-Framed, 24in. o.c., [Bldg. Use 2 - Court House]	10328	21.0	10.0	0.048	0.064
Window- 1-11: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID System Select, SHGC 0.26, [Bldg. Use 2 - Court House] (b)	2468			0.244	0.380
Basement Wall- South: Solid Concrete, 10in. Thickness, Normal Density, Furring: Metal, Wall Ht 15.0, Depth B.G. 14.5, [Bldg. Use 2 - Court House]	2050	21.0	3.3	0.091	0.119
<u>VEST</u> Ext. Wall- West 1: Steel-Framed, 24in. o.c., [Bldg. Use 1 - Office]	3342	21.0	10.0	0.048	0.064
Door 1: Insulated Metal, Swinging, [Bidg. Use 1 - Office]	45			0.156	0.370
Vindow 1-11: Metal Frame: Fixed, Perf. Specs.: Product ID existing Windows, SHGC 0.38, [Bldg. Use 1 - Office] (b)	74			0.290	0.380
ext. Wall- West 2: Steel-Framed, 24in. o.c., [Bldg. Use 1 - Office]	1533	21.0	10.0	0.048	0.064
Door- 1&2: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID System Select, SHGC 0.38, [Bldg. Use 1 - Office] (b)	90			1.650	0.770
Vindow- 1: Metal Frame: Fixed, Perf. Specs.: Product ID System Select, SHGC 0.26, [Bldg. Use 1 - Office] (b)	331			0.440	0.380
Basement Wall- West: Solid Concrete, 10in. Thickness, Normal Density, Furring: Metal, Wall Ht 15.0, Depth B.G. 14.5, [Bldg. Use 2 - Court House]	666	21.0	3.3	0.091	0.119

Project Title: 21403.0 TJW JUDICIAL BUILDING

Data filename:

Page 1 of 10

Project Title: 21403.0 TJW JUDICIAL BUILDING Data filename:

Report date: 01/18/23

Page 2 of 10

Report date: 01/18/23 Page 3 of 10

Envelope PASSES: Design 5% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Katherine Leija - AIT II Name - Title



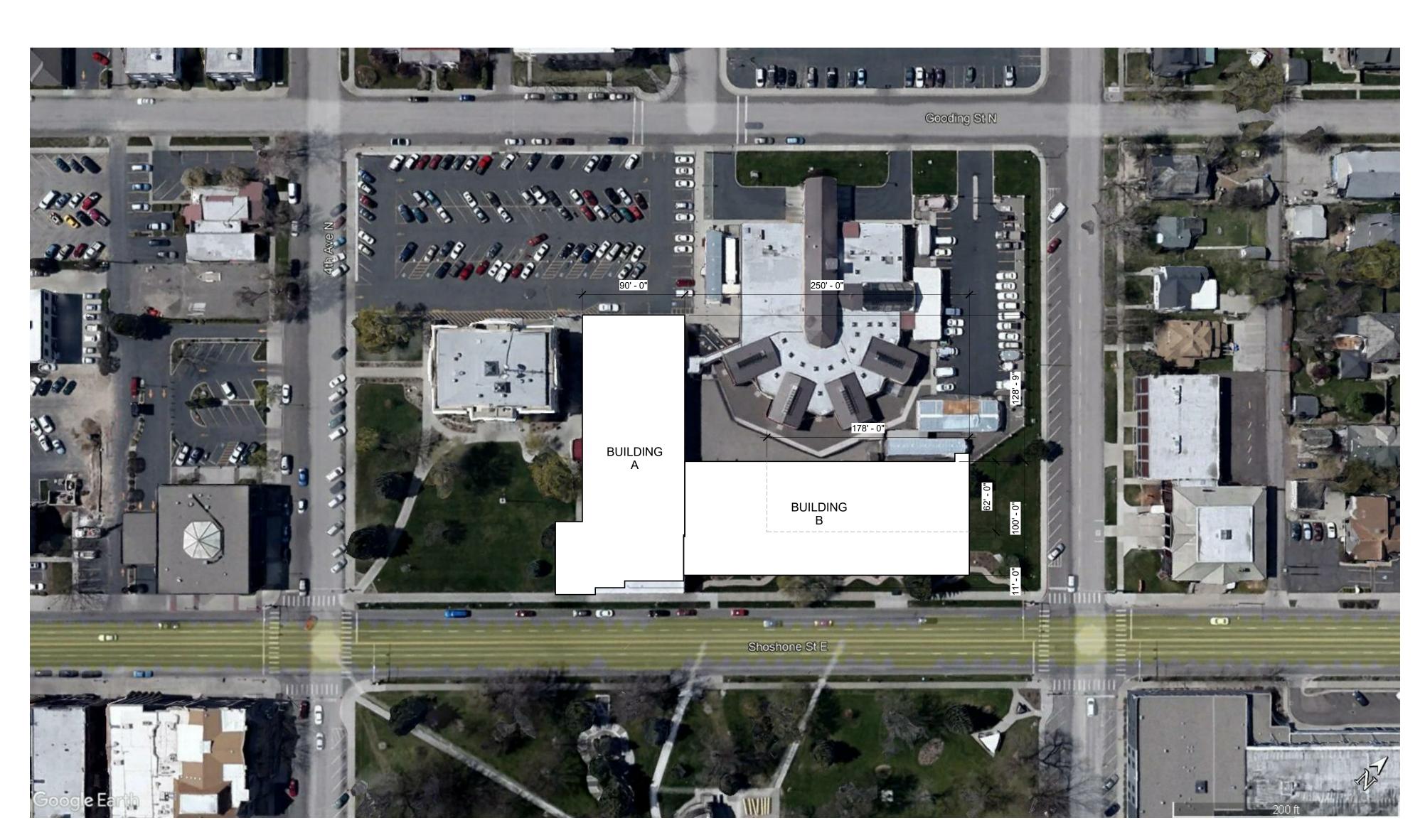
AGENCY REVIEW SET

DRAWN NB, KL CHECKED DRD

SHEET TITLE

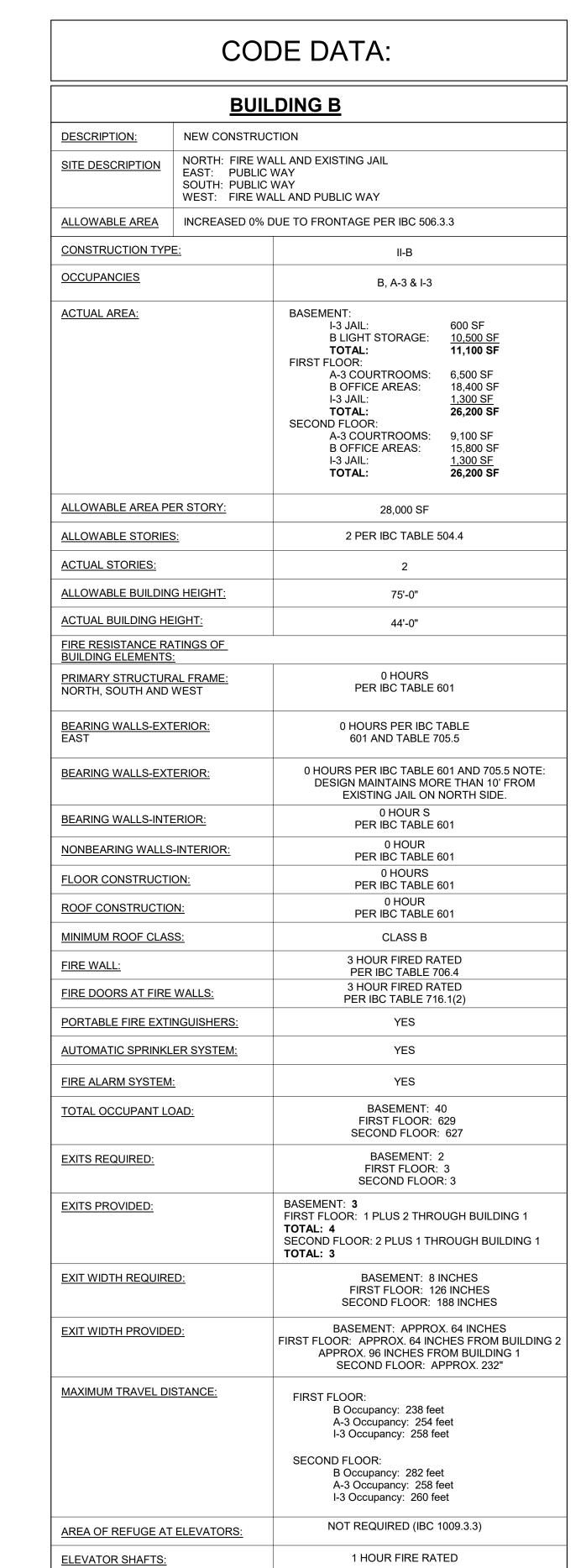
ENERGY COMPLIANCE

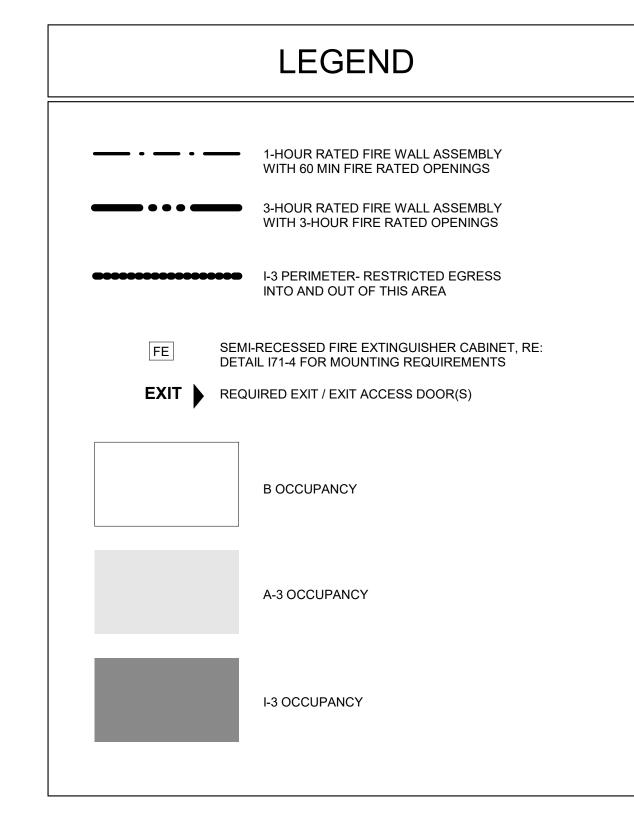
G01 ORIGINAL SHEET SIZE 36" x 48"



	SITE
V PILL	SCALE: 1" = 60'-0

	<u>BUII</u>	LDING A		
DESCRIPTION:	EXISTING BUILDING AND ADDITION			
SITE DESCRIPTION	SOUTH: PUBLIC	ING JAIL AND NEW FIRE WALL		
ALLOWABLE AREA		DUE TO FRONTAGE PER IBC 506.3.3		
CONSTRUCTION TYPE	<u>≣:</u>	III-B		
OCCUPANCIES		A-3, B		
ACTUAL AREA:		1ST FLOOR: A-3 TRAINING/ CONFERNECE: 1,674 SF B OFFICE AREAS: 20,326 SF		
		MEZZANINE: B ACCESSORY AREA (CIRCULATION): 1,900 SF		
ALLOWABLE AREA:		38,000 SF		
ALLOWABLE STORIES	<u>S:</u>	2 PER IBC TABLE 504.4		
ACTUAL STORIES:		1		
ALLOWABLE BUILDING	G HEIGHT:	75'-0"		
ACTUAL BUILDING HE	IGHT:	44'-0"		
FIRE RESISTANCE RABUILDING ELEMENTS				
PRIMARY STRUCTURAL FRAME: NORTH, SOUTH AND WEST		0 HOURS PER IBC TABLE 601		
BEARING WALLS-EXTERIOR: EAST		0 HOURS PER IBC TABLE 601 AND TABLE 705.5		
BEARING WALLS-EXTERIOR:		0 HOURS PER IBC TABLE 601 AND 705.5 EXCEPT EXISTING 1 HOUR AT PROXIMITY TO EXISTING JAIL IS ASSUMED		
BEARING WALLS-INTERIOR:		0 HOUR S PER IBC TABLE 601		
NONBEARING WALLS-INTERIOR:		0 HOUR PER IBC TABLE 601		
FLOOR CONSTRUCTION:		0 HOURS PER IBC TABLE 601		
ROOF CONSTRUCTION:		0 HOUR PER IBC TABLE 601		
MINIMUM ROOF CLAS	<u>s:</u>	CLASS B		
FIRE WALL:		3 HOUR FIRED RATED PER IBC TABLE 706.4		
FIRE DOORS AT FIRE WALLS:		3 HOUR FIRED RATED PER IBC TABLE 716.1(2)		
PORTABLE FIRE EXTI	NGUISHERS:	YES		
AUTOMATIC SPRINKL	ER SYSTEM:	YES		
TOTAL OCCUPANT LO	DAD:	147		
EXITS REQUIRED:		2		
EXITS PROVIDED:		2 PLUS 2 THROUGH BUILDING 2		
EXIST WIDTH REQUIRED:		30 INCHES		
EXIT WIDTH PROVIDED:		APPROX. 96 INCHES IN BUILDING 1 APPROX. 64 INCHES IN BUILDING 2 FROM SECOND FLOOR AT MEZZANINE: APPROX 96" WIDE OPEN STAIR DOWN TO MAIN LOBBY		
MAXIMUM TRAVEL DIS	STANCE:	300 FEET		
AREA OF REFUGE AT	ELEVATORS:	NOT REQUIRED (IBC 1009.3.3)		
ELEVATOR SHAFTS:		1 HOUR FIRE RATED		





7/3/2023

AGENCY

REVIEW SET

CHECKED DRD

PROJECT 21403.000

DRAWN

NB, KL

REVISED

SHEET TITLE

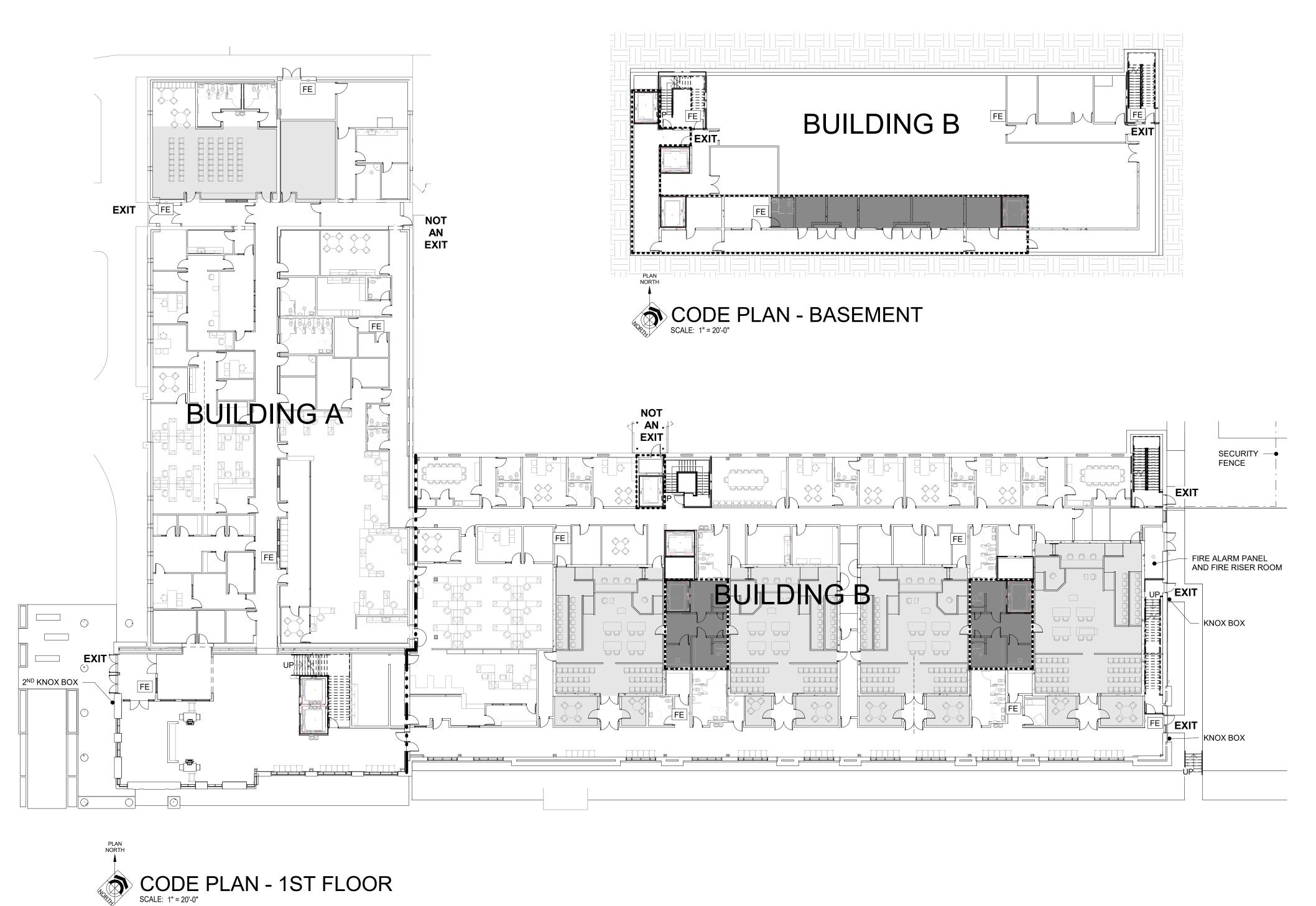
SHEET

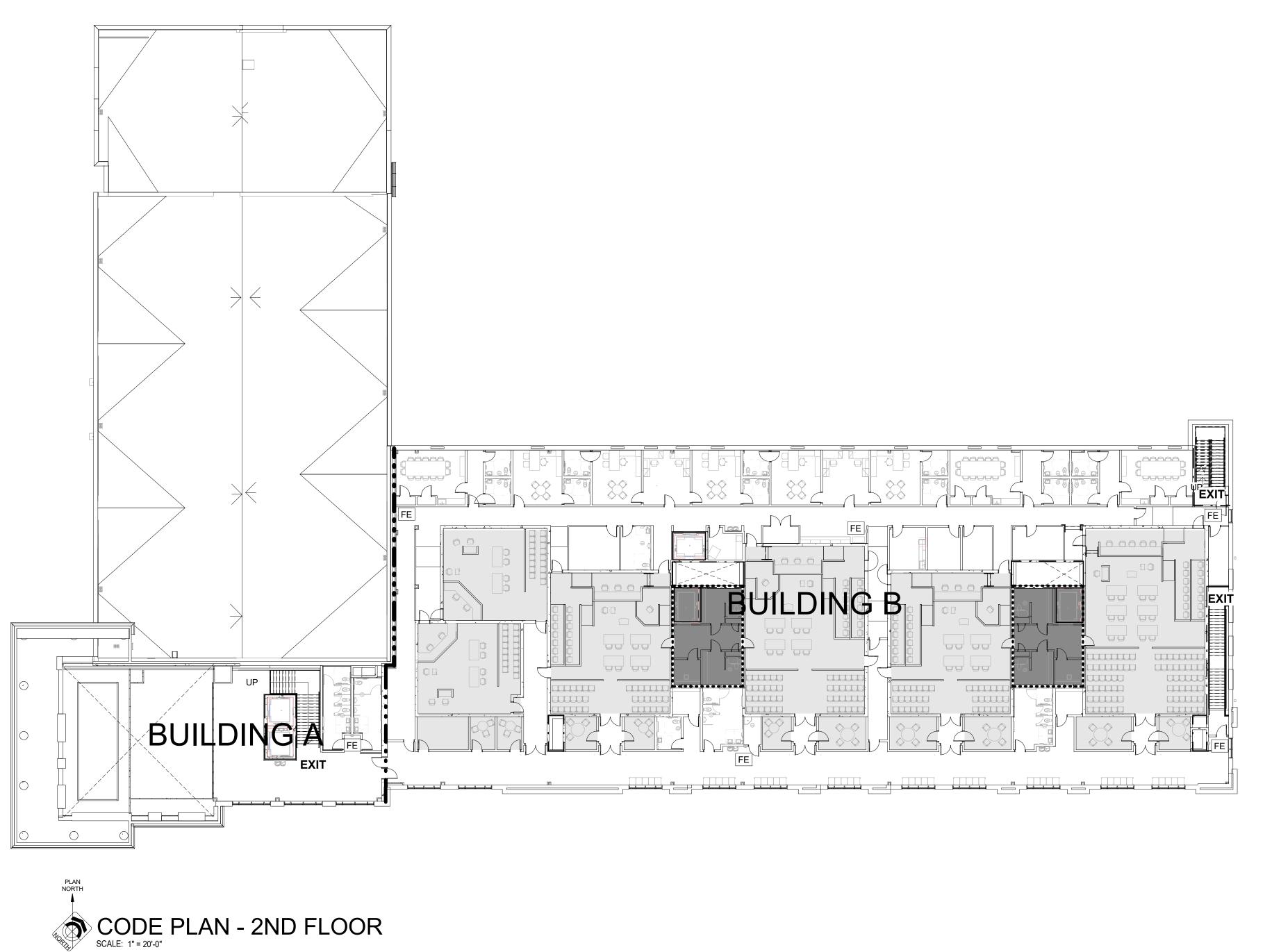
CODE PLAN &

DATA

G11

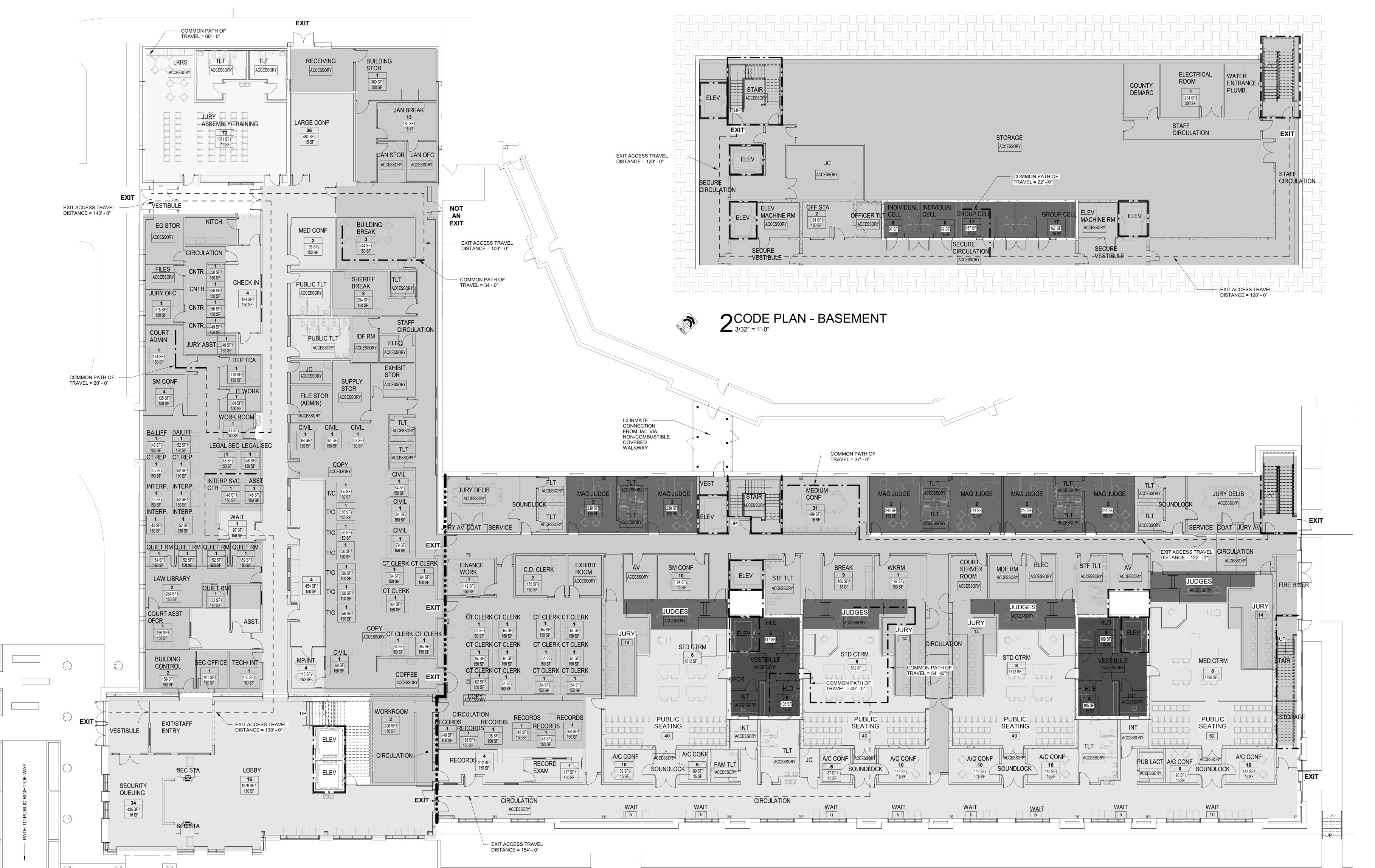
ORIGINAL SHEET SIZE 36" x 48"





REQUIRED PLUMBING FIXTURES:

SEE SEPARATE ANALYSIS



1 CODE PLAN - LEVEL 1
3/32" = 1'-0"



7/3/2023

INDICATES 1-HR FIRE RATED ASSEMBLY

INDICATES 3-HR FIRE RATED ASSEMBLY

INDICATES COMMON PATH OF TRAVEL

INDICATES COMMON PATH OF TRAVEL

EXIT ACCESS TRAVEL DISTANCE

BUILDING DIAGONAL

EXIT DOOR SEPARATION

FIRE EXTINGUISHER LOCATION, CW/ FIXTURE
TYPES ISLAND IT AT 161.1 JUL PATINGS TO BE

FE

FIRE EXTINGUISHER LOCATION, CW/ FIXTURE
TYPES 'S' AND 'T' AT 151-1, UL RATINGS TO BE
COORDINATED WITH FIRE DEPARTMENT RE:
DETAIL 171-4

REQUIRED EXIT / EXIT ACCESS DOOR(S)

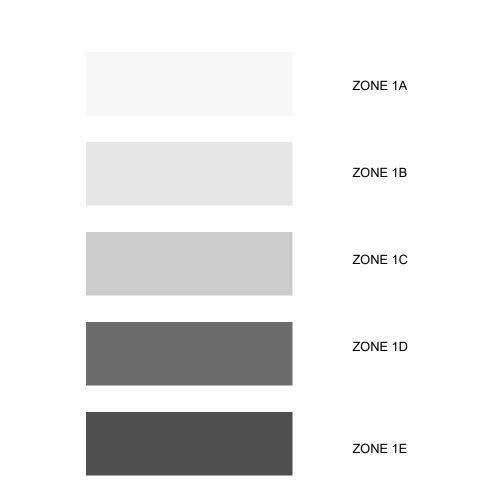
OCCUPANT LOAD

OCCUPANT LOAD

INDICATES ROOM
OCCUPANCY INFORMATION

LOAD FACTOR

LEGEND



FIXTURES REQUIRED

FIXTURES REQUIRED PER ZONE BASED ON OCCUPANCY

ZONE 1A - TRAINING AREA

A-3 OCCUPANCY
GROSS AREA / 15

GROSS AREA / 15
1,160 / 15 = 77 OCCUPANTS

MEN - REQUIRED = (1) WC, (1) U AND (1) L
PROVIDED = (1) WC, (1) U AND (1) L

WOMEN - REQUIRED = (3) WC AND (1) L
PROVIDED = (3) WC AND (2) L

ZONE 1B - PUBLIC AREA

MIN REQUIRED PLUMBING FIXTURES THIS AREA: **B OCCUPANCY**GROSS AREA / 150
8,925 / 150 = 60 OCCUPANTS

30 MEN - REQUIRED = (1) WC, (1) U AND (1) L

PROVIDED - (1)WC, (1)U AND (1)L

30 WOMEN - REQUIRED = (2) WC AND (1) L

PROVIDED - (4)WC AND (2)L

A-3 OCCUPANCY

GROSS AREA / 15 + COURTROOMS + FIXED SEATING

2,068 / 15 = 137 + 204 + 45 = 386

386 TOTAL OCCUPANTS

193 MEN - REQUIRED = (2) WC, (2) U AND (2) L
PROVIDED = (3) WC, (2) U AND (2) L

193 WOMEN - REQUIRED = (4) WC AND (2) L

193 WOMEN - REQUIRED = (4) WC AND (2) L
PROVIDED = (4) WC AND (2) L

(1) DF, USE JAN SINK ASSOCIATED WITH ADJACENT AREA.
PROVIDED = (2) DF

ZONE 1C - STAFF / RESTRICTED AREA MIN REQUIRED PLUMBING FIXTURES THIS AREA:

GROSS AREA / 150 + JURY 19,170 / 150 = 128 + 56 = 184 184 TOTAL OCCUPANTS 92 MEN- REQUIRED = (2) WC, (1) U (1) L PROVIDED = (5) WC,(1)U AND (4) L

B OCCUPANCY

92 WOMEN- REQUIRED = (4) WC, (2) L PROVIDED = (6) WC, (5) L (2) DF, (1) JAN SINK PROVIDED = (2) DF, (1) JAN SINK

ZONE 1D - JUDGES

MIN. REQURIED PLUMBING FIXTURES THIS AREA: **B OCCUPANCY**GROSS AREA / 150
1,934 / 150 = 12

6 MEN- REQUIRED (1) WC AND (1) L 6 WOMEN- REQUIRED (3) WC AND (1) L EACH JUDGE HAS A DEDICATED RESTROOM PROVIDED = (6) WC, AND (6) L

12 TOTAL OCCUPANTS

ZONE 1E - HOLDING MIN. REQUIRED PLUMBING FIXTURES THIS AREA:

I-3 OCCUPANCY

24 TOTAL OCCUPANTS

12 MEN- REQUIRED: (1) WC AND (1) L

PROVIDED: (2) WC AND (2) L

PROVIDED: (2) WC AND (2) L

12 WOMEN- REQUIRED: (1) WC AND (1) L
PROVIDED: (2) WC AND (2) L

REQUIRED: (1) DF PROVIDED = (0) DF

KEY PLAN:



G21

AGENCY

REVIEW SET

04-17-23

DRD

CHECKED

PROJECT

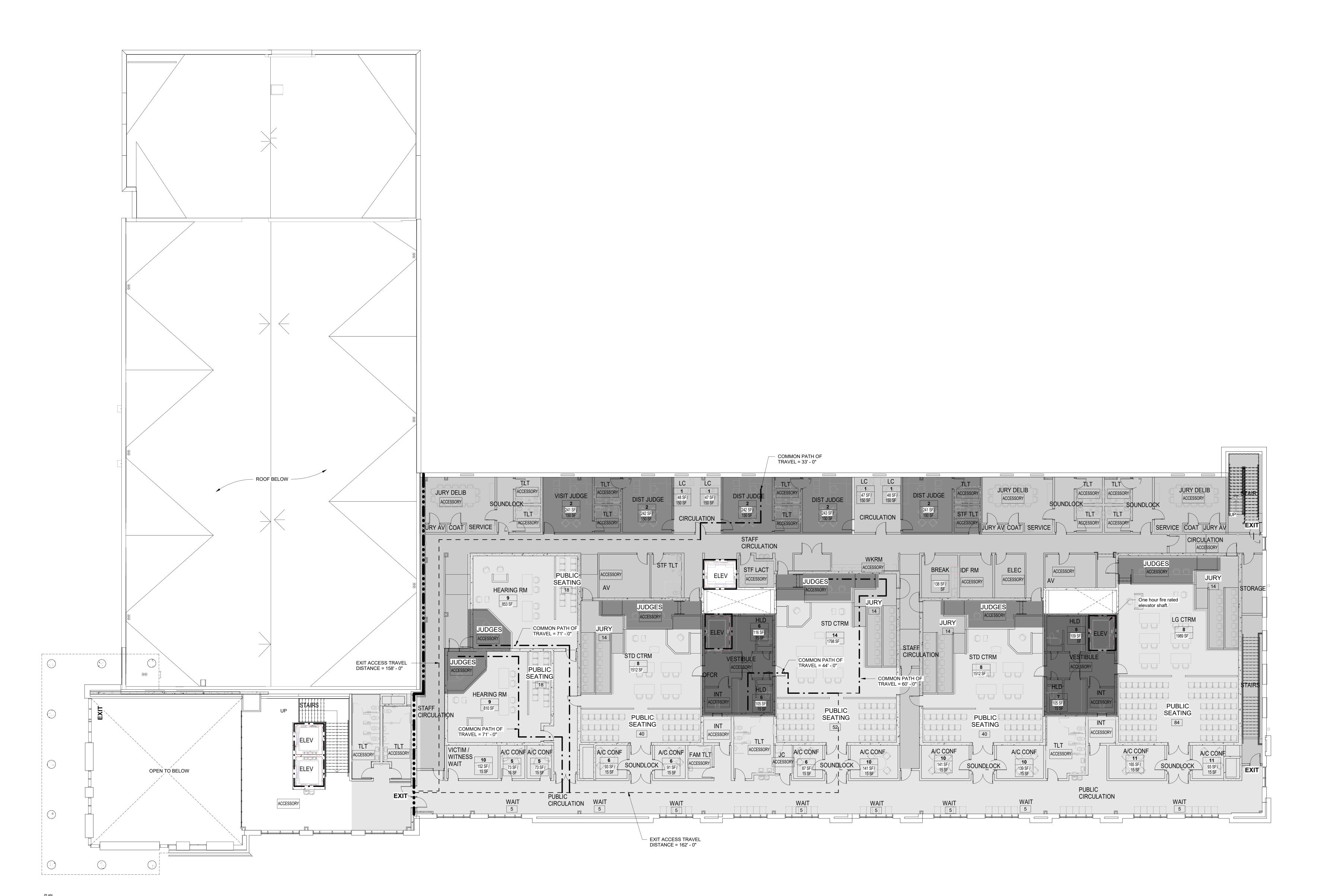
21403.000

DRAWN

NB, KL

REVISED

ORIGINAL SHEET SIZE 36" x 48"



1 CODE PLAN - LEVEL 2
3/32" = 1'-0"



- INDICATES 1-HR FIRE RATED ASSEMBLY ● ● ● ● ● ● ■ INDICATES 3-HR FIRE RATED ASSEMBLY - INDICATES COMMON PATH OF TRAVEL — — — — — EXIT ACCESS TRAVEL DISTANCE BUILDING DIAGONAL EXIT DOOR SEPARATION

FIRE EXTINGUISHER LOCATION, CW/ FIXTURE TYPES 'S' AND 'T' AT I51-1, UL RATINGS TO BE COORDINATED WITH FIRE DEPARTMENT RE: DETAIL 171-4 EXIT)

REQUIRED EXIT / EXIT ACCESS DOOR(S) OCCUPANT LOAD 150 SF/→ ROOM SF 300 SF LOAD FACTOR

INDICATES ROOM OCCUPANCY INFORMATION LICENSED ARCHITECT AR-984489 7/3/2023

AGENCY

REVIEW SET

CHECKED

DRD

ORIGINAL SHEET SIZE 36" x 48"

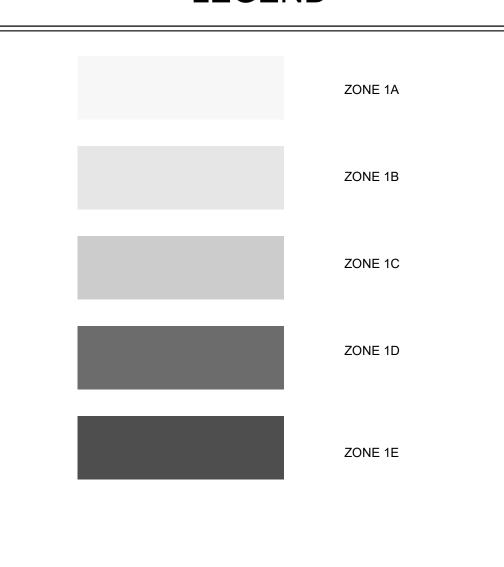
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LEGEND



FIXTURES REQUIRED

FIXTURES REQUIRED PER ZONE BASED ON OCCUPANCY **ZONE 1B - PUBLIC AREA**

MIN REQUIRED PLUMBING FIXTURES THIS AREA: A-3 OCCUPANCY GROSS AREA / 15 + COURTROOMS + FIXED SEATING 1,429 / 15 = 95 + 266 + 40

401 TOTAL OCCUPANTS 200 MEN REQUIRED = (2) WC, (2) U AND (1) L

PROVIDED = (3) WC, (3) U AND (3) L 200 WOMEN REQUIRED = (4) WC AND (2) L

PROVIDED = (8) WC AND (4) L (1) DF, USE JAN SINK ASSOCIATED WITH ADJACENT AREA. PROVIDED = (2) DF

ZONE 1C - STAFF / RESTRICTED AREA MIN REQUIRED PLUMBING FIXTURES THIS AREA:

B OCCUPANCY GROSS AREA / 150 + JURY 5,353 / 150 = 35 + 56 = 92

92 TOTAL OCCUPANTS 46 MEN- REQUIRED = (1) WC, (1) U (1) L

PROVIDED = (3) WC, (3) L 46 WOMEN- REQUIRED = (3) WC, (1) L PROVIDED = (5) WC, (4) L

(2) DF, (1) JAN SINK PROVIDED = (2) DF, (1) JAN SINK

ZONE 1D - JUDGES MIN. REQURIED PLUMBING FIXTURES THIS AREA:

B OCCUPANCY GROSS AREA / 150 1,754 / 150 = 12

12 TOTAL OCCUPANTS 6 MEN- REQUIRED (1) WC AND (1) L 6 WOMEN- REQUIRED (1) WC AND (1) L

EACH JUDGE HAS A DEDICATED RESTROOM PROVIDED = (6) WC, AND (6) L

ZONE 1E - HOLDING MIN. REQUIRED PLUMBING FIXTURES THIS AREA: I-3 OCCUPANCY

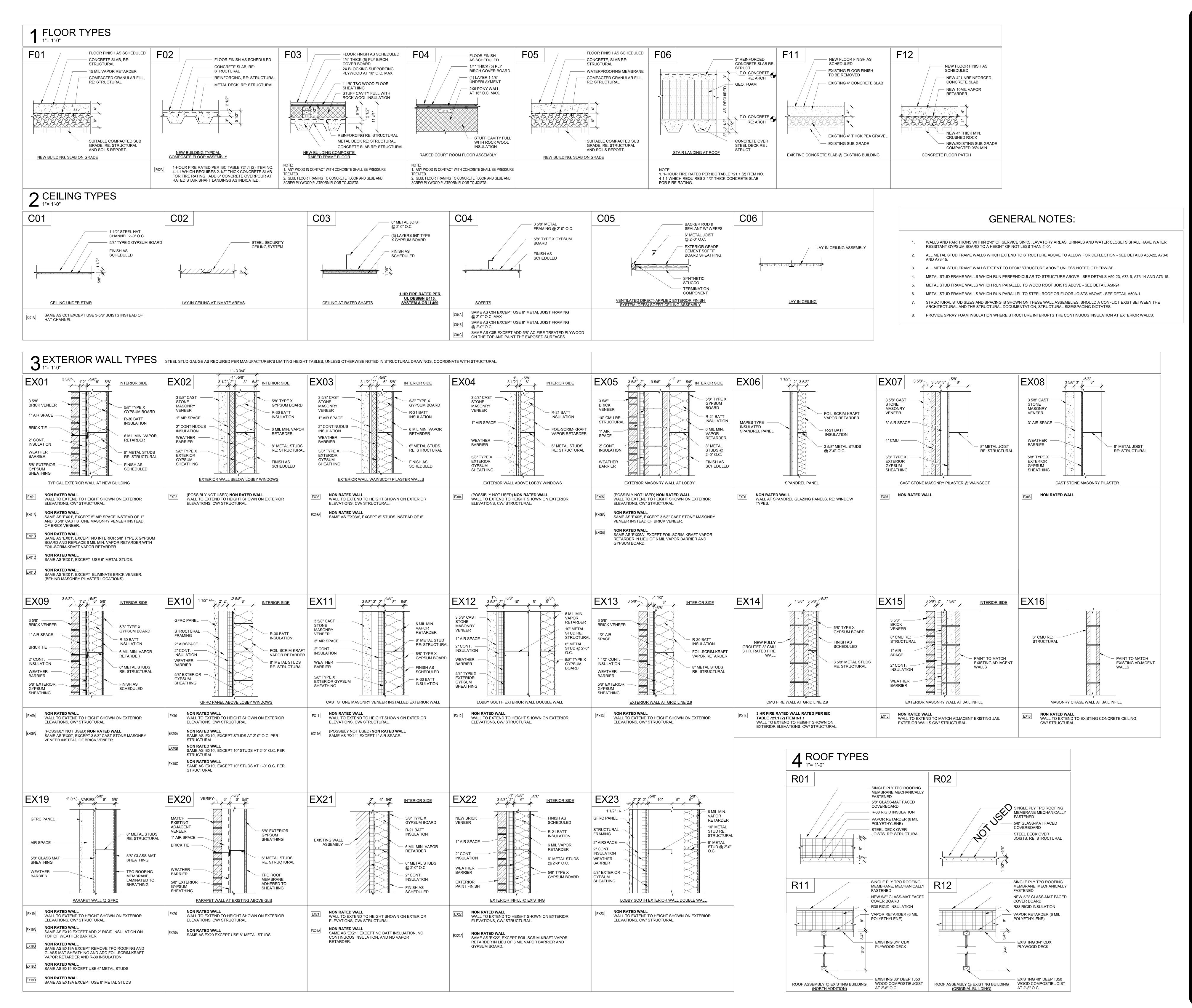
> 24 TOTAL OCCUPANTS 12 MEN- REQUIRED: (1) WC AND (1) L PROVIDED: (2) WC AND (2) L

12 WOMEN- REQUIRED: (1) WC AND (1) L PROVIDED: (2) WC AND (2) L

REQUIRED: (1) DF PROVIDED = (0) DF

KEY PLAN:

SECOND **FLOOR EGRESS PLAN G22**



7/3/2023



AGENCY REVIEW SET

PROJECT 21403.000 DRAWN CHECKED NB,KL,MH DRD

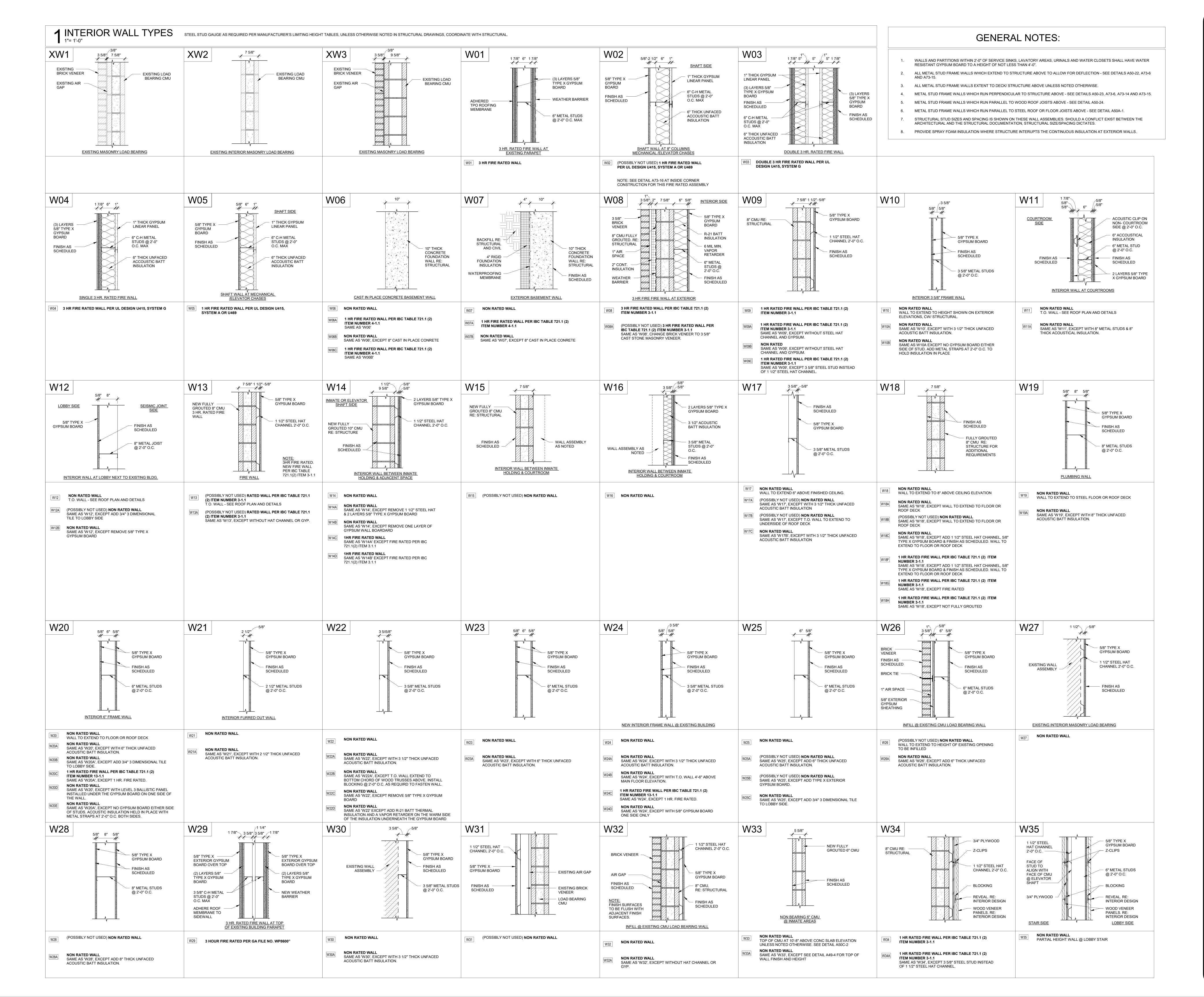
REVISED

SHEET TITLE

ASSEMBLIES

SHEET

ORIGINAL SHEET SIZE 36" x 48"





YTNU03

AGENCY REVIEW SET

PROJECT 21403.000 DRAWN CHECKED NB,KL,MH REVISED

SHEET TITLE **ASSEMBLIES**

ORIGINAL SHEET SIZE 36" x 48"

SHEET

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

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

503.3.3 Marking. Access aisles shall be marked so as to discourage parking in them. 503.4 Floor and Ground vehicle pull-up space Surfaces. Vehicle pull-up

spaces and access aisles serving them shall comply with 302. Access aisles shall be at the same level as the vehicle pull-up space they area to be serve. Changes in level are not permitted. **EXCEPTION:** Slopes not steeper than 1:48 shall be

Figure 503.3 Passenger Loading Zone Access Aisle

radius of tread edge

(typical for all profiles)

30° max √

angled riser

beveled nosing

-

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

504 Stairways 504.1 General. Stairs shall comply with 504.

permitted.

504.2 Treads and Risers. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches (100 mm) high minimum and 7 inches (180 mm) high maximum. Treads shall be 11 inches (280 mm) deep minimum.

504.3 Open Risers. Open risers are not permitted.

504.4 Tread Surface. Stair treads shall comply with 302. Changes in level are not permitted. EXCEPTION: Treads shall be permitted to have a slope not steeper than 1:48.

504.5 Nosings. The radius of curvature at the leading edge 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 curved nosing shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted Figure 504.5 Stair Nosings projection of the nosing shall extend 1 1/2 inches (38

mm) maximum over the tread below. 504.6 Handrails. Stairs shall have handrails complying with 505.

505.4 Height. Top of gripping surfaces of handrails

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

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

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

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

1 shall be 34 inches (865 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. Figure 505.4 Handrail Heigh t 505.5 Clearance. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches (38 mm) minimum. 505.6 Gripping Surface. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for Figure 505.5 Handrail Clearance

more than 20 percent of their length. Where provided, horizontal projections shall occur 1 1/2 inches (38 mm) minimum below the bottom of the handrail gripping surface. **EXCEPTIONS:** 1. 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

Figure 505.6 Horizontal Projections integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8 inch (3.2 mm) for each 1/2 inch (13 mm) of additional handrail perimeter dimension that exceeds 4 inches (100 mm).

505.7 Cross Section. Handrail gripping surfaces shall have a cross section complying with 505.7.1 or

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

505.7.2 Non-Circular Cross Sections. Handrail gripping surfaces with a non-circular 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) gure 505.7.2 Handrail Non-Circular Cross Section

505.8 Surfaces. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges.

505.9 Fittings. Handrails shall not rotate within their fittings.

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

1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg 2. In assembly areas, extensions shall not be required for ramp handrails in aisles serving seating where the handrails are discontinuous to provide access to seating and to permit crossovers within aisles. 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.

505.10.1 Top and Bottom Extension at Ramps. Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp

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

Extension at Stairs Extension at Stairs

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

602 Drinking Fountains 602.1 General. Drinking fountains shall comply with 307 and 602.

CHAPTER 6: PLUMBING ELEMENTS & FACILITIES

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 3 1/2 inches (90 mm) maximum from the front edge of the unit, including bumpers.

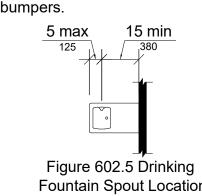
602.4 Spout Height. Spout outlets shall be 36 inches (915 mm) maximum above the finish floor or

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.

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

602.3 Operable Parts. Operable parts shall comply with 309.



17-19

430-485

ambulatory

accessible water

closets

Figure 604.2 Water Closet Location

60 min

Clearance at Water Closets

Figure 604.3.1 Size of

water closets

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

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

603.2 Clearances. Clearances shall comply with 603.2. 603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room. 603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted

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.

1. Doors to a toilet room 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 or clearance provided the swing of the door can be reversed to comply with 603.2.3. 2. Where the toilet room or bathing room is for individual use and a clear floor space complying with 305.3 is provided within the room beyond the arc of the door swing, doors shall be permitted to swing into the clear floor space or clearance required for any fixture.

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.

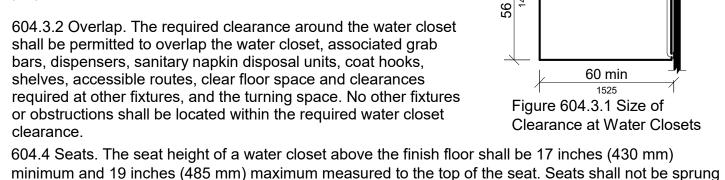
603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above

604 Water Closets and Toilet Compartments

604.1 General. Water closets and toilet compartments shall comply with 604.2 through 604.8. EXCEPTION: Water closets and toilet compartments for children's use shall be permitted to comply with 604.9. 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 (485 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

604.3.1 Size. Clearance around a water closet shall be 60 nches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall. 604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks,



to return to a lifted position. **EXCEPTIONS:** 1. A water closet in a toilet room 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 604.4.

604.3 Clearance. Clearances around water closets and in toilet compartments shall comply with 604.3.

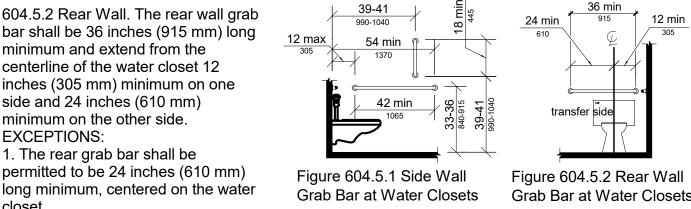
604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be provided on the side wall closest to the water closet and on the rear wall.

1. Grab bars shall not be 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 that reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with 604.5.

3. In detention or correction facilities, grab bars shall not be required to be installed in housing or holding cells that are specially designed without protrusions for purposes of suicide prevention.

604.5.1 Side Wall. The side wall grab bar shall be 42 inches (1065 mm) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall. ANSI A117.1 604.5.1 requires an additional vertical grab bar 18 inches (455 mm) minimum ir 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.

604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum and extend from the centerline of the water closet 12 inches (305 mm) minimum on one side and 24 inches (610 mm) minimum on the other side. 1. The rear grab bar shall be



long minimum, centered on the water Grab Bar at Water Closets Grab Bar at Water Closets where wall space does not permit a length of 36 inches (915 mm) minimum due to the location of a recessed fixture adjacent to the water closet. 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, then the rear grab bar shall be permitted to be split or shifted to the open side of the toilet area.

604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309. Flush controls shall be located on the open side of the water closet except in

ambulatory accessible compartments complying with 604.8.2. 604.7 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

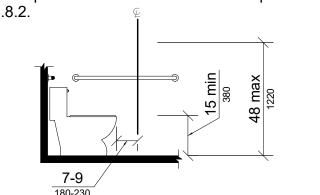
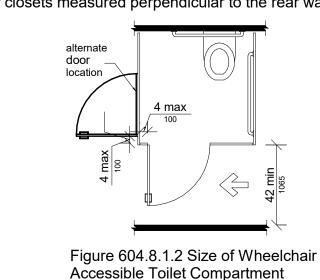


Figure 604.7 Dispenser Outlet Location 604.8 Toilet Compartments. Wheelchair accessible toilet compartments shall meet the requirements of

604.8.1 and 604.8.3. Compartments containing more than one plumbing fixture shall comply with 603. Ambulatory accessible compartments shall comply with 604.8.2 and 604.8.3. 604.8.1 Wheelchair Accessible Compartments. Wheelchair accessible compartments shall comply with

604.8.1.1 Size. Wheelchair accessible compartments shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 56 inches (1420 mm) deep minimum for wall hung water closets and 59 inches (1500 mm) deep minimum for floor mounted water closets measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 59 inches (1500 mm) deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall.

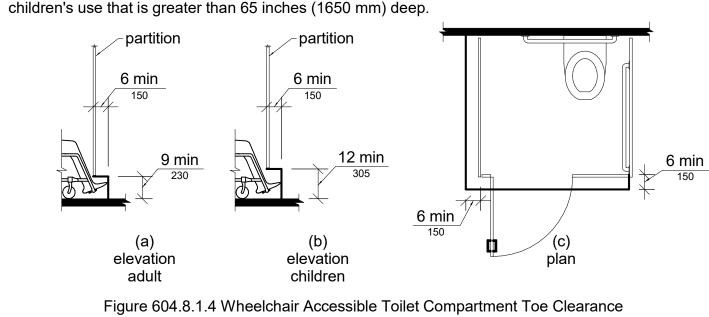




604.8.1.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404 except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (100 mm) maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches (100 mm) maximum from the front partition. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

604.8.1.3 Approach. Compartments shall be arranged for left-hand or right-hand approach to the water

604.8.1.4 Toe Clearance. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the finish floor and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Compartments for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the finish floor. EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a wall-hung water closet or 65 inches (1650 mm) deep with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for



604.8.1.5 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided and shall be located on the wall closest to the water closet. In addition, a rear-wall grab bar complying with 604.5.2 shall be provided.

604.8.2 Ambulatory Accessible Compartments. Ambulatory accessible compartments shall comply with

604.8.2.1 Size. Ambulatory accessible compartments shall have a depth of 60 inches (1525 mm) minimum and a width of 35 inches (890 mm) minimum and 37 inches (940 mm) maximum.

604.8.2.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404, except that if the approach is to the latch side of the compartment door, 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 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area. 604.8.2.3 Grab Bars. Grab bars shall comply with 609. A

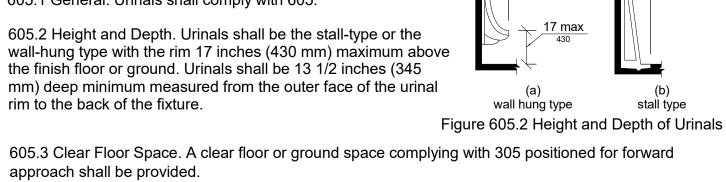
604.8.3 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

side-wall grab bar complying with 604.5.1 shall be provided on

605 Urinals

both sides of the compartment.

605.1 General. Urinals shall comply with 605. 605.2 Height and Depth. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (345 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.



890-940

Figure 604.8.2 Ambulatory

Accessible Toilet

Compartment

17 max

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls

shall comply with 309. 606 Lavatories and Sinks

606.1 General. Lavatories and sinks shall comply with 606.

606.2 Clear Floor Space. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided. **EXCEPTIONS:**

1. A parallel approach complying with 305 shall be permitted to a kitchen sink in a space where a cook top or conventional range is not provided and to wet bars. 2. A lavatory in a toilet room 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 provide knee and toe clearance complying with 306. 3. Residential requirements not included.

4. A knee clearance of 24 inches (610 mm) minimum above the finish floor or ground shall be permitted at lavatories and sinks used primarily by children 6 through 12 years where the rim or counter surface is 31 inches (785 mm) maximum above the finish floor or ground. 5. A parallel approach complying with 305 shall be permitted to lavatories and sinks used primarily by children 5 years and younger. 6. The dip of the overflow shall not be considered in determining knee and toe clearances.

7. No more than one bowl of a multi-bowl sink shall be required to provide knee and toe clearance 606.3 Height. Lavatories and sinks shall be installed with the front of the higher of the rim or counter

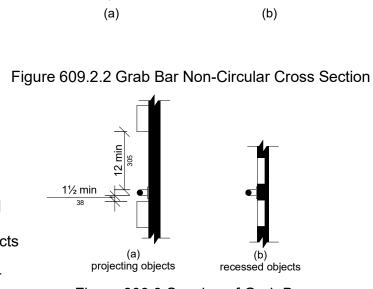
surface 34 inches (865 mm) maximum above the finish floor or ground. 1. A lavatory in a toilet or bathing facility for a single occupant accessed only through a private office and not for common use or public use shall not be required to comply with 606.3. 606.4 Faucets. Controls for faucets shall comply with 309. Hand-operated metering faucets shall

remain open for 10 seconds minimum. 606.5 Exposed Pipes and Surfaces. Water supply and drain pipes 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.

609 Grab Bars 609.1 General. Grab bars in toilet facilities and bathing facilities shall comply with 609.

609.2 Cross Section. Grab bars shall have a cross section complying with 609.2.1 or 609.2.2. 609.2.1 Circular Cross Section. Grab bars with circular cross sections shall have an outside diameter of 1 1/4 inches (32 mm) minimum and

2 inches (51 mm) maximum. 609.2.2 Non-Circular Cross Section. Grab bars with non-circular cross sections shall have a cross-section dimension of 2 inches (51 mm) maximum and a perimeter dimension of 4 inches (100 mm) minimum and 4.8 inches (120 mm) maximum.



4-4.8 perimete

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

Figure 609.3 Spacing of Grab Bars EXCEPTION: The space between the grab bars and shower controls, shower fittings, and other grab bars above shall be permitted to be 1 1/2 inches (38 mm) minimum.

609.4 Position of Grab Bars. Grab bars shall be installed in a horizontal position, 33 inches (840 mm) minimum and 36 inches (915 mm) maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use complying with 604.9, grab bars shall be installed in a horizontal position 18 inches (455 mm) minimum and 27 inches (685 mm) maximum above the finish floor measured to the top of the gripping surface. The height of the lower grab bar on the back wall of a bathtub shall comply with 607.4.1.1 or 607.4.2.1.

609.5 Surface Hazards. Grab bars and any wall or other surfaces adjacent to grab bars shall be free of sharp or abrasive elements and shall have rounded edges. 609.6 Fittings. Grab bars shall not rotate within their fittings. 609.7 Installation. Grab bars shall be installed in any manner that provides a gripping surface at the

specified locations and that does not obstruct the required clear floor space. 609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used when 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.

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES 701.1 Scope. The provisions of Chapter 7 shall apply where required by Chapter 2 or where referenced by a requirement in this document.

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

(1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition). EXCEPTION: Fire alarm systems in medical care facilities shall be permitted to be provided in accordance with industry practice.

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

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

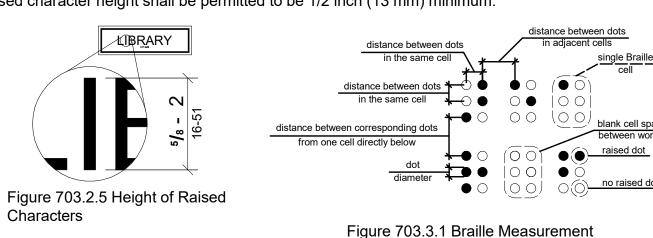
703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background. 703.2.2 Case. Characters shall be uppercase.

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

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I". 703.2.5 Character Height. Character height measured vertically from the baseline of the character shall

be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase

EXCEPTION: Where separate raised and visual characters with the same information are provided, raised character height shall be permitted to be 1/2 inch (13 mm) minimum.



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

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

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

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4. 703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and Table 703.3.1 Braille Dimensions acronyms.

Measurement Range Dot base diameter Distance between two dots in the same cell

dots from one cell directly below

without hold-open devices.

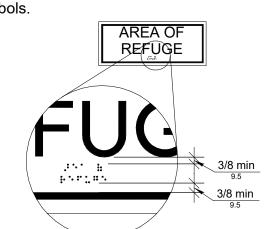
dots in adjacent cells

0.059 (1.5 mm) to 0.063 (1.6 mm) 0.090 (2.3 mm) to 0.100 (2.5 mm) measured center to center Distance between corresponding 0.241 (6.1 mm) to 0.300 (7.6 mm)measured center to center

Minimum in Inches to Maximum in Inches

0.025 (0.6 mm) to 0.037 (0.9 mm) 0.395 (10 mm) to 0.400 (10.2 mm)measured center to center Distance between corresponding

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



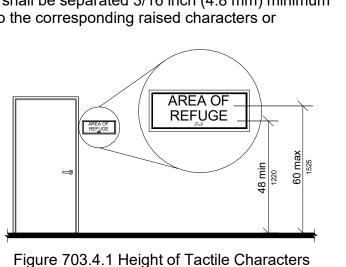


Figure 703.3.2 Position of Braille Above Finish Floor or Ground

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4. 703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

EXCEPTION: Tactile characters for elevator car controls shall not be required to comply with 703.4.1 CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES (CONT.)

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile characters tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the Figure 703.4.2 Location of right side of double doors, signs shall be located on the nearest Tactile Signs at Doors adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

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

EXCEPTION: Signs with tactile characters shall be permitted on the push side of doors with closers and

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

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

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase

letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I". 703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

Table 703.5.5 Visual Character Height Height to Finish Floor or Ground Horizontal Viewing Distance Minimum Character Height

From Baseline of Character	Tronzentar troming Diotainee	January Grandeter Freight	
40 inches (1015 mm) to less	less than 72 inches (1830 mm)	5/8 inch (16 mm)	
than or equal to 70 inches (1780 mm)	72 inches (1830 mm) and greater	5/8 inch (16 mm), plus 1/8 inch mm) per foot (305 mm) of viewi distance above 72 inches (1830 mm)	
Greater than 70 inches (1780	less than 180 inches (4570 mm)	2 inch (51 mm)	
mm) to less than or equal to 120 inches (3050 mm)	180 inches (4570 mm) and greater	2 inches (51 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 180 inc (4570 mm)	
Greater than 120 inches	less than 20 feet (6400 mm)	3 inch (75 mm)	
(3050 mm)	21 feet (6400 mm) and greater	3 inches (75 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 21 feet (6400 mm)	

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground. EXCEPTION: Visual characters indicating elevator car controls shall not be required to comply with

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent

minimum and 35 percent maximum of character height. 703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message

shall be 135 percent minimum and 170 percent maximum of the character height. 703.6 Pictograms. Pictograms shall comply with 703.6. 703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.

703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram

Figure 703.6.1 Pictogram Field

field. Text descriptors shall comply with 703.2, 703.3 and 703.4.

703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7. 703.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare

finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background. 703.7.2 Symbols.

703.7.2.1 International Symbol of Accessibility. The International Symbol of Accessibility shall comply with Figure 703.7.2.1. 703.7.2.2 International Symbol of TTY. The International Symbol of TTY shall comply with Figure

703.7.2.3 Volume Control Telephones. Telephones with a volume control shall be identified by a pictogram of a telephone handset with radiating sound waves on a square field such as shown in Figure 703.7.2.4 Assistive Listening Systems. Assistive listening systems shall be identified by the International



International Symbol of International Symbol

Figure 703.7.2.1

Accessibility







Control Telephone International Symbol of Access for Hearing Loss

707 Automatic Teller Machines and Fare Machines

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

Figure 703.7.2.2

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

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

input and output available to all individuals.

707.4 Privacy. Automatic teller machines shall provide the opportunity for the same degree of privacy of

707.5 Speech Output. Machines shall be speech enabled. Operating instructions and orientation, visible transaction prompts, user input verification, error messages, and all displayed information for full use shall be accessible to and independently usable by individuals with vision impairments. Speech shall be delivered through a mechanism that is readily available to all users, including but not limited to, an industry standard connector or a telephone handset. Speech shall be recorded or digitized human, or synthesized. **EXCEPTIONS:**

1. Audible tones shall be permitted instead of speech for visible output that is not displayed for security purposes, including but not limited to, asterisks representing personal identification numbers.

2. Advertisements and other similar information shall not be required to be audible unless they convey information that can be used in the transaction being conducted.

3. Where speech synthesis cannot be supported, dynamic alphabetic output shall not be required to be

707.5.1 User Control. Speech shall be capable of being repeated or interrupted. Volume control shall be provided for the speech function. EXCEPTION: Speech output for any single function shall be permitted to be automatically interrupted when a transaction is selected. 707.5.2 Receipts. Where receipts are provided, speech output devices shall provide audible balance inquiry information, error messages, and all other information on the printed receipt necessary to

complete or verify the transaction. **EXCEPTIONS:** 1. Machine location, date and time of transaction, customer account number, and the machine identifier shall not be required to be audible. 2. Information on printed receipts that duplicates information available on-screen shall not be required

to be presented in the form of an audible receipt. 3. Printed copies of bank statements and checks shall not be required to be audible. 707.6 Input. Input devices shall comply with 707.6. 707.6.1 Input Controls. At least one tactilely discernible input 4 5 6 4 5 6 control shall be provided for each function. Where provided, key

surfaces not on active areas of display screens, shall be raised above surrounding surfaces. Where membrane keys are the * 0 # * 0 # only method of input, each shall be tactilely discernable from surrounding surfaces and adjacent keys. 707.6.2 Numeric Keys. Numeric keys shall be arranged in a 12-key 12-key

ascending

descending

Figure 707.6.2 Numeric Key Layout

number five key shall be tactilely distinct from the other keys. 707.6.3 Function Keys. Function keys shall comply with 707.6.3.

12-key ascending or descending telephone keypad layout. The

707.6.3.1 Contrast. Function keys shall contrast visually from background surfaces. Characters and symbols on key surfaces shall contrast visually from key surfaces. Visual contrast shall be either light-on-dark or dark-on-light. EXCEPTION: Tactile symbols required by 707.6.3.2 shall not be required to comply with 707.6.3.1.

Proceed key: raised circle; Clear or Correct key: raised left arrow; Cancel key: raised letter ex; Add Value key: raised plus sign; Decrease Value key: raised minus sign. 707.7 Display Screen. The display screen shall comply with 707.7.

707.6.3.2 Tactile Symbols. Function key surfaces shall have tactile symbols as follows: Enter or

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

EXCEPTION: Drive-up only automatic teller machines and fare machines shall not be required to

their background with either light characters on a dark background or dark characters on a light 707.8 Braille Instructions. Braille instructions for initiating the speech mode shall be provided. Braille

707.7.2 Characters. Characters displayed on the screen shall be in a sans serif font. Characters shall

be 3/16 inch (4.8 mm) high minimum based on the uppercase letter "I". Characters shall contrast with

shall comply with 703.3. 708 Two-Way Communication Systems

708.1 General. Two-way communication systems shall comply with 708. 708.2 Audible and Visual Indicators. The system shall provide both audible and visual signals.

708.3 Handsets. Handset cords, if provided, shall be 29 inches (735 mm) long minimum.

NTE: ARCHITECT IS RESPONSIBLE FOR COMPLIANCE WITH 2010 ADA AND ADDITIONAL REQUIREMENTS OF THE PROJECT JURISDICTION. ARCHITECT TO VERIFY COMPLIANCE THROUGHOUT PROJECT AND NOTIFY ACI PROJECT LEAD OF CONFLICTS RELATED TO THE FIXTURE PLAN



YTNU03

AGENCY REVIEW SET

04-17-23

DRAWN CHECKED KL,NB,SC,MH DD REVISED

PROJECT

21403.000

A.D.A.

GENERAL

NOTES

SHEET TITLE

SHEET

ORIGINAL SHEET SIZE 36" x 48"

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

CHAPTER 8: SPECIAL ROOMS, SPACES AND ELEMENTS

801 General

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

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

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

803.3 Door Swing. Doors shall not swing into the room unless a clear floor or ground space complying with 305.3 is provided beyond the arc of the door swing.

803.4 Benches. A bench complying with 903 shall be provided within the room.

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

804 Kitchens and Kitchenettes

804.1 General. Kitchens and kitchenettes shall comply with 804.

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

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

804.2.1 Pass Through Kitchen. In pass through kitchens where counters, appliances or cabinets are on 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.

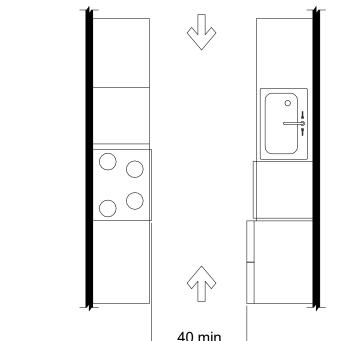
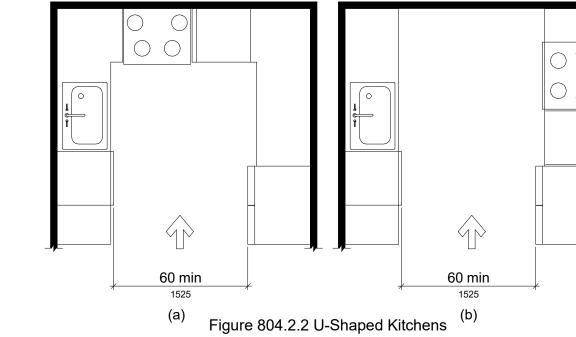


Figure 804.2.1 Pass Through Kitchens

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



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

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

(a) the cabinetry can be removed without removal or replacement of the kitchen work surface; (b) the finish floor extends under the cabinetry; and (c) the walls behind and surrounding the cabinetry are finished.

804.3.2 Height. The kitchen work surface shall be 34 inches (865 mm) maximum above the finish floor EXCEPTION: A counter that is adjustable to provide a kitchen work surface at variable heights, 29 inches (735 mm) minimum and 36 inches (915 mm) maximum, shall be permitted.

804.3.3 Exposed Surfaces. There shall be no sharp or abrasive surfaces under the work surface

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

804.6 Appliances. Where provided, kitchen appliances shall comply with 804.6.

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

804.6.2 Operable Parts. All appliance controls shall comply with 309.

1. Appliance doors and door latching devices shall not be required to comply with 309.4.

2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with 804.6.3 Dishwasher. Clear floor or ground space shall be positioned adjacent to the dishwasher door.

The dishwasher door, in the open position, shall not obstruct the clear floor or ground space for the

804.6.4 Range or Cooktop. Where a forward approach is provided, the clear floor or ground space shall provide knee and toe clearance complying with 306. Where knee and toe space is provided, the underside of the range or cooktop shall be insulated or otherwise configured to prevent burns,

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

804.6.5 Oven. Ovens shall comply with 804.6.5.

dishwasher or the sink.

804.4 Sinks. Sinks shall comply with 606.

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

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

804.6.5.3 Controls. Ovens shall have controls on front panels.

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

CHAPTER 9: BUILT-IN ELEMENTS

901 General 901.1 Scope. The provisions of Chapter 9 shall apply where required by Chapter 2 or where referenced by a requirement in this document.

902 Dining Surfaces and Work Surfaces 902.1 General. Dining surfaces and work surfaces shall comply with 902.2 and 902.3. EXCEPTION: Dining surfaces and work surfaces for children's use shall be permitted to comply with

approach shall be provided. Knee and toe clearance complying with 306 shall be provided.

902.2 Clear Floor or Ground Space. A clear floor space complying with 305 positioned for a forward

902.3 Height. The tops of dining surfaces and work surfaces shall be 28 inches (710 mm) minimum and 34 inches (865 mm) maximum above the finish floor or ground. 902.4 Dining Surfaces and Work Surfaces for Children's Use. Accessible dining surfaces and work surfaces for children's use shall comply with 902.4. EXCEPTION: Dining surfaces and work surfaces that are used primarily by children 5 years and

younger shall not be required to comply with 902.4 where a clear floor or ground space complying with

305 positioned for a parallel approach is provided. 902.4.1 Clear Floor or Ground Space. A clear floor space complying with 305 positioned for forward approach shall be provided. Knee and toe clearance complying with 306 shall be provided, except that knee clearance 24 inches (610 mm) minimum above the finish floor or ground shall be permitted.

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

903 Benches 903.1 General. Benches shall comply with 903.

903.2 Clear Floor or Ground Space. Clear floor or ground space complying with 305 shall be provided and shall be positioned at the end of the bench seat and parallel to the short axis of the bench.

903.3 Size. Benches shall have seats that are 42 inches (1065 mm) long minimum and 20 inches (510 mm) deep minimum and 24 inches (610 mm) deep maximum.

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) long minimum 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 Figure 903.4 Bench Back Support horizontally.

903.5 Height. The top of the bench seat surface shall be 17 inches (430 mm) minimum and 19 inches

(485 mm) maximum above the finish floor or ground.

903.6 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical

or horizontal force of 250 pounds (1112 N) is applied at any point on the seat, fastener, mounting device, or supporting structure.

903.7 Wet Locations. Where installed in wet locations, the surface of the seat shall be slip resistant and shall not accumulate water.

904 Check-Out Aisles and Sales and Service Counters

904.1 General. Check-out aisles and sales and service counters shall comply with the applicable

requirements of 904. 904.2 Approach. All portions of counters required to comply with 904 shall be located adjacent to a

walking surface complying with 403. 904.3 Check-Out Aisles. Check-out aisles shall comply with 904.3.

904.3.1 Aisle. Aisles shall comply with 403.

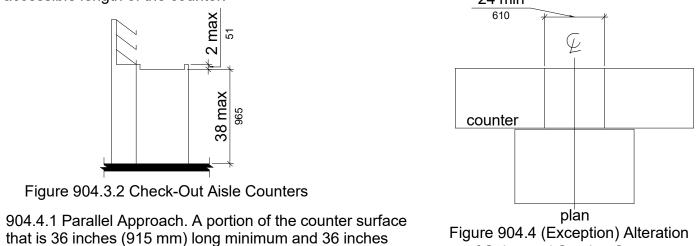
904.3.2 Counter. The counter surface height shall be 38 inches (965 mm) maximum above the finish floor or ground. The top of the counter edge protection shall be 2 inches (51 mm) maximum above the top of the counter surface on the aisle side of the check-out counter.

904.4.2. The accessible portion of the counter top shall extend the same depth as the sales or service

904.3.3 Check Writing Surfaces. Where provided, check writing surfaces shall comply with 902.3.

904.4 Sales and Service Counters. Sales counters and service counters shall comply with 904.4.1 or

EXCEPTION: In alterations, when the provision of a counter complying with 904.4 would result in a reduction of the number of existing counters at work stations or a reduction of the number of existing mail boxes, the counter shall be permitted to have a portion which is 24 inches (610 mm) long minimum complying with 904.4.1 provided that the required clear floor or ground space is centered on the accessible length of the counter.



(915 mm) high maximum above the finish floor shall be provided. A clear floor or ground space complying with 305 shall be positioned for a parallel approach adjacent to the 36 inch (915 mm) minimum length of counter. EXCEPTION: Where the provided counter surface is less than 36 inches (915 mm) long, the entire counter surface shall be 36 inches (915 mm) high maximum above the finish floor.

904.4.2 Forward Approach. A portion of the counter surface that is 30 inches (760 mm) long minimum and 36 inches (915 mm) high maximum shall be provided. Knee and toe space complying with 306 shall be provided under the counter. A clear floor or ground space complying with 305 shall be positioned for a forward approach to the counter.

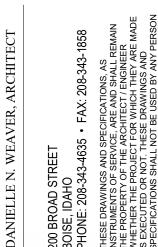
of Sales and Service Counters

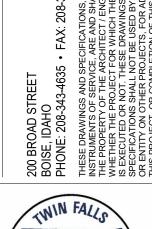
904.5 Food Service Lines. Counters in food service lines shall comply with 904.5. 904.5.1 Self-Service Shelves and Dispensing Devices. Self-service shelves and dispensing devices for tableware, dishware, condiments, food and beverages shall comply with 308. 904.5.2 Tray Slides. The tops of tray slides shall be 28 inches (710 mm) minimum and 34 inches (865 mm) maximum above the finish floor or ground.

904.6 Security Glazing. Where counters or teller windows have security glazing to separate personnel from the public, a method to facilitate voice communication shall be provided. Telephone handset devices, if provided, shall comply with 704.3.

NTE: ARCHITECT IS RESPONSIBLE FOR COMPLIANCE WITH 2010 ADA AND ADDITIONAL REQUIREMENTS OF THE PROJECT JURISDICTION. ARCHITECT TO VERIFY COMPLIANCE THROUGHOUT PROJECT AND NOTIFY ACI PROJECT LEAD OF CONFLICTS RELATED TO THE FIXTURE PLAN

LICENSED ARCHITECT AR-984469 7/3/2023









AGENCY REVIEW SET

PROJECT 21403.000 04-17-23 DRAWN CHECKED KL,NB,SC,MH DD/SC/JM REVISED

SHEET TITLE

A.D.A. **GENERAL NOTES**

ORIGINAL SHEET SIZE 36" x 48"

CHAPTER 3: BUILDING BLOCKS

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

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

1. Within animal containment areas, floor and ground surfaces shall not be required to be stable, firm, 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. 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 Figure 302.2 Carpet Pile Height long dimension is perpendicular to the dominant direction of dominant direction of travel -303 Changes in Level 303.1 General. Where changes in level are permitted in floor or ground surfaces, they shall comply with 303. **EXCEPTIONS:** 1. Animal containment areas long dimension perpendicular to dominant direction of travel shall not be required to comply with 303. 2. Areas of sport activity shall not be required to comply with 303.2 Vertical. Changes in

½ max level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical. Figure 302.3 Elongated Openings in Floor or Ground 303.3 Beveled. Changes in level between 1/4 inch (6.4 1/4 max mm) high minimum and 1/2 inch (13 mm) high maximum

Change in Level

303.4 Ramps. Changes in level greater than 1/2 inch (13 mm) high shall eramped, and shall comply with 405 or 406.

shall be beveled with a slope

not steeper than 1:2.

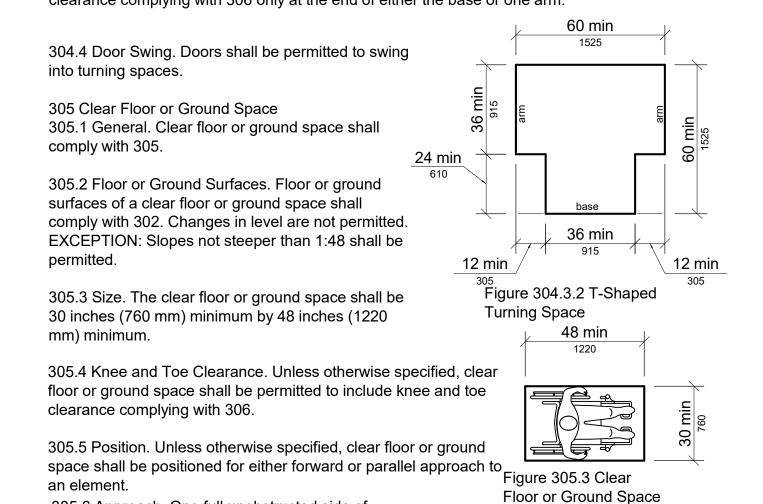
304 Turning Space

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.

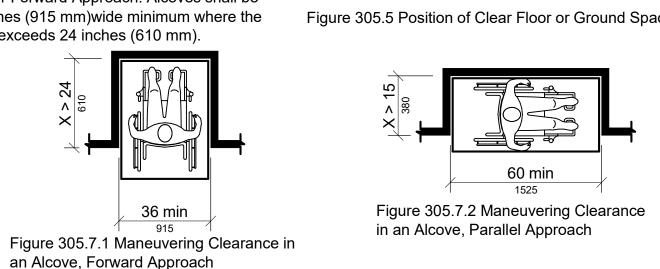
304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 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.



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 Figure 305.5 Position of Clear Floor or Ground Space depth exceeds 24 inches (610 mm).



48 min

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 306.1 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 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. 17-25 6 max 306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm)

elevation above the finish floor or ground. Figure 306.2 Toe Clearance

306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above 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 307.1 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.

elevation Figure 306.3 Knee Clearance 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 ground EXCEPTION: The sloping portions of handrails serving stairs and ramps shall not be required to comply with

Figure 307.2 Limits of Protruding Objects 307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm) maximum above the finish floor or EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground. Figure 307.3 Post-Mounted Protruding Objects

307.5 Required Clear Width. Protruding objects shall not reduce the clear width required for accessible routes. 308 Reach Ranges 308.1 General. Reach ranges shall comply with 308. 308.2 Forward Reach.

308.2.1 Unobstructed. Where a 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 307.4 Vertical Clearance Children's Reach Ranges Forward or Side Reach High (maximum) Low (minimum) 20 in (510 mm) Ages 3 and 4 36 in (915 mm) 18 in (455 mm) 40 in (1015 mm) Ages 5 through 8 Ages 9 through 12 44 in (1120 mm) 16 in (405 mm)

X > 12

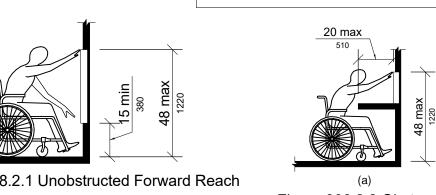


Figure 308.2.1 Unobstructed Forward Reach Figure 308.2.2 Obstructed High Forward Reach

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

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. 1. An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches (255 mm) maximum. 2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured

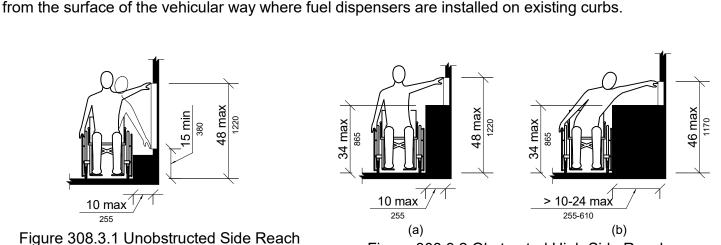


Figure 308.3.2 Obstructed High Side Reach 308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an

element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

1. The top of washing machines and clothes dryers shall be permitted to be 36 inches (915 mm) maximum above the finish floor. 2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

309 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 provided.

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

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

force of 5 pounds (22.2 N) maximum. **CHAPTER 4: ACCESSIBLE ROUTES**

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

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

function of the work being performed.

402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of Chapter 4. 403 Walking Surfaces

403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403. 403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302. 403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of

walking surfaces shall not be steeper than 1:48. 403.4 Changes in Level. Changes in level shall comply with 303. 403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5. EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be

permitted to be decreased by work area equipment provided that the decrease is essential to the

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.

accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn. EXCEPTION: Where the clear width at the turn is 60 inches (1525 mm) minimum compliance with 403.5.2 shall not be required. Figure 403.5.1 Clear Width of an Accessible 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 42 min 42 min 1065 36 min with 304.3.2 where the base and arms of the T-shaped space extend 48 inches $\frac{X < 48}{1220}$ (1220 mm) minimum beyond the intersection. 180 degree turn Figure 403.5.2 Clear Width at

403.5.2 Clear Width at Turn. Where the

403.6 Handrails. Where handrails are provided along walking surfaces with running slopes not steepe than 1:20 they shall comply with 505.

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

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

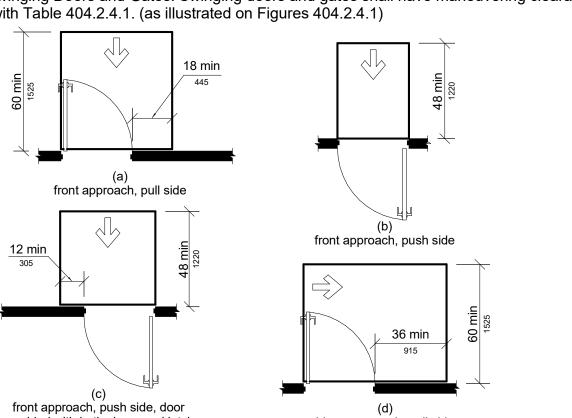
404.2.2 Double-Leaf Doors and Gates. At least one of the active leaves of doorways with two leaves shall

comply with 404.2.3 and 404.2.4. 404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop,

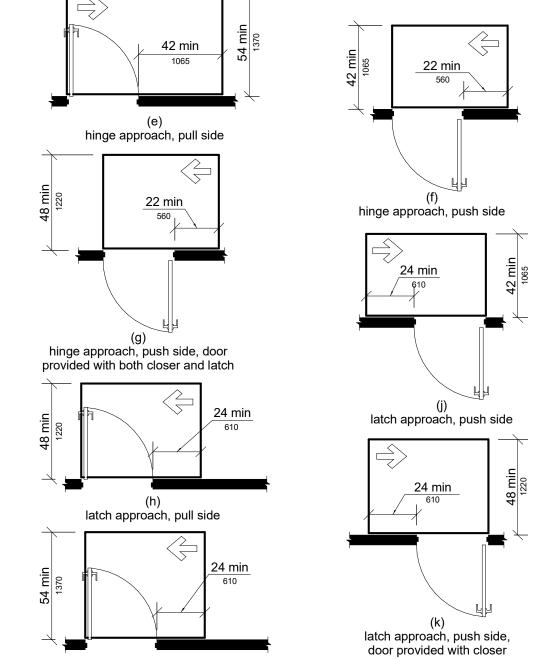
with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm). EXCEPTIONS: 1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be permitted for the latch side stop.

2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground. 404.2.4 Maneuvering Clearances. Minimum maneuvering clearances at doors and gates shall comply with 404.2.4. Maneuvering clearances shall extend the full width of the doorway and the required latch side

folding door sliding door or hinge side clearance. Figure 404.2.3 Clear Width of Doorways EXCEPTION: Entry doors to hospital patient rooms shall not be required to provide the clearance beyond the latch side of the door. 404.2.4.1 Swinging Doors and Gates. Swinging doors and gates shall have maneuvering clearances complying with Table 404.2.4.1. (as illustrated on Figures 404.2.4.1)



hinge approach, pull side provided with both closer and latch Figure 404.2.4.1 Maneuvering Clearances at Manual Swinging Doors and Gates



18 inches (455 mm) of the

projects more than 8 inches

(205 mm) beyond the face of

perpendicular to the face of

latch side of a doorway

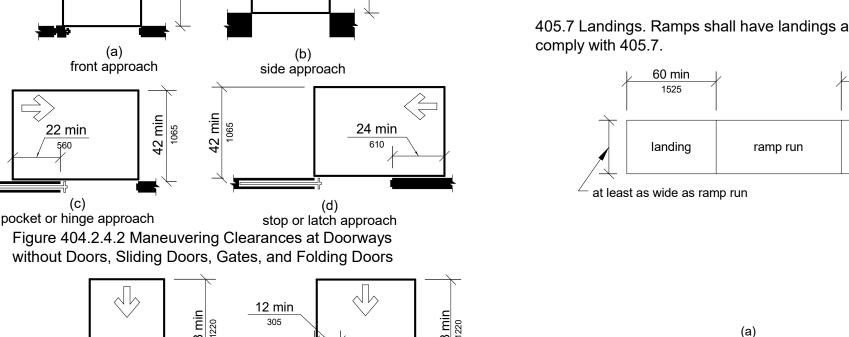
the door, measured

the door or gate.

Figure 404.2.4.1 (cont.) Maneuvering Clearances at latch approach, pull side, Manual Swinging Doors and Gates door provided with closer

Figure 404.2.4.3 Maneuvering Clearances at Recessed Doors and Gates

404.2.4.2 Doorways without Doors or Gates, Sliding Doors, and Folding Doors. Doorways less than 36 inches (915 mm) wide without doors or gates, sliding doors, or folding doors shall have maneuvering clearances complying with Table 404.2.4.2. (as illustrated on Figure 404.2.4.2) 404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within



push side, door provided with

both closer and latch

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

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

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

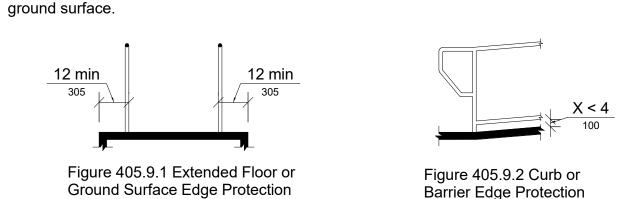
405.7.5 Doorways. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by 404.2.4 and 404.3.2 shall be permitted to overlap the required landing area.

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

405.9 Edge Protection. Edge protection complying with 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp landings. EXCEPTIO1. Edge protection shall not be required on ramps that are not required to have handrails and have sides complying with 406.3. 2. Edge protection shall not be required on the sides of ramp landings serving an adjoining ramp run or 3. Edge protection shall not be required on the sides of ramp landings having a vertical drop-off of 1/2 inch (13 mm) maximum within 10 inches (255 mm) horizontally of the minimum landing area specified

405.9.1 Extended Floor or Ground Surface. The floor or ground surface of the ramp run or landing shall extend 12 inches (305 mm) minimum beyond the inside face of a handrail complying with 505. 405.9.2 Curb or Barrier. A curb or barrier shall be provided that prevents the passage of a 4 inch (100

mm) diameter sphere, where any portion of the sphere is within 4 inches (100 mm) of the finish floor or



CHAPTER 4: ACCESSIBLE ROUTES (cont.) 405.10 Wet Conditions. Landings subject to wet conditions shall be designed to prevent the accumulation of water.

406 Curb Ramps 404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be adjusted so that from 406.1 General. Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the 406.2 Counter Slope. Counter slopes of adjoining gutters and road surfaces immediately adjacent to the 404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that from the open position

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. adjoining surface maximum 406.3 Sides of Curb Ramps. Where provided, curb ramp flares shall not be — curb ramp slope steeper than 1:10. 406.4 Landings. Landings shall be provided

slope

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 at the tops of curb ramps. The landing clear Figure 406.2 Counter Slope of Surfaces Adjacent to Curb Ramps length shall be 36 inches (915 mm) minimum. The landing clear width shall be These forces do not apply to the force required to retract latch bolts or disengage other devices that at least as wide as the curb ramp. excluding flared sides, leading to the 404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the

EXCEPTION: In alterations, where there is 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 no landing at the top of curb ramps, curb 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be ramp flares shall be provided and shall not_ be steeper than 1:12.

tapered at 60 degrees minimum from the horizontal shall not be required to meet the 10 inch (255 mm) bottom smooth surface height requirement. 3. Doors and gates that do not extend to within 10 inches (255 mm) of the finish floor or ground shall not be required to comply with 404.2.10.

4. Existing doors and gates without smooth surfaces within 10 inches (255 mm) of the finish floor or

ground shall not be required to provide smooth surfaces complying with 404.2.10 provided that if

2. Tempered glass doors without stiles and having a bottom rail or shoe with the top leading edge

404.2.4.4 Floor or Ground Surface. Floor or ground surface within required maneuvering clearances

404.2.5 Thresholds. Thresholds, if provided at doorways, shall be 1/2 inch (13 mm) high maximum.

404.2.6 Doors in Series and Gates in Series. The distance between two hinged or pivoted doors in

series and gates in series shall be 48 inches (1220 mm) minimum plus the width of doors or gates

1. Existing locks shall be permitted in any location at existing glazed doors without stiles, existing

overhead rolling doors or grilles, and similar existing doors or grilles that are designed with locks that

2. Access gates in barrier walls and fences protecting pools, spas, and hot tubs shall be permitted to

have operable parts of the release of latch on self-latching devices at 54 inches (1370 mm) maximum

above the finish floor or ground provided the self-latching devices are not also self-locking devices and

operated by means of a key, electronic opener, or integral combination lock.

1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.

1. Sliding doors shall not be required to comply with 404.2.10.

2. Sliding or folding doors: 5 pounds (22.2 N) maximum.

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

of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.

Figure 404.2.6 Doors in Series and Gates in Series

EXCEPTION: Existing or altered thresholds 3/4 inch (19 mm) high maximum that have a beveled edge

shall comply with 302. Changes in level are not permitted.

2. Changes in level at thresholds complying with 404.2.5 shall be permitted.

Raised thresholds and changes in level at doorways shall comply with 302 and 303.

on each side with a slope not steeper than 1:2 shall not be required to comply with 404.2.5.

1. Slopes not steeper than 1:48 shall be permitted.

EXCEPTIONS:

swinging into the space.

404.2.7 Door and Gate Hardware.

Handles, pulls, latches, locks, and

gates shall comply with 309.4.

shall be 34 inches (865 mm)

Operable parts of such hardware

minimum and 48 inches (1220 mm)

maximum above the finish floor or

ground. Where sliding doors are in

are activated only at the top or bottom rail.

the fully open position, operating

hardware shall be exposed and

latch is 5 seconds minimum.

fire doors shall be as follows:

EXCEPTIONS:

usable from both sides.

EXCEPTIONS:

other operable parts on doors and

added kick plates are installed, cavities created by such kick plates are capped 404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above the finish floor. EXCEPTION: Vision lights with the lowest part more than 66 inches (1675 mm) from the finish floor or

ground shall not be required to comply with 404.2.11. 404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall 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).

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

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

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

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

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

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

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

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

405.2 Slope. Ramp runs shall have a running slope not steeper than 1:12. EXCEPTION: In existing sites, buildings, and facilities, ramps shall be permitted to have running slopes steeper than 1:12 complying with Table 405.2 where such slopes are necessary due to space

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

405.3 Cross Slope. Cross slope of ramp runs shall not be steeper than 1:48. 405.4 Floor or Ground Surfaces. Floor or ground surfaces of ramp runs shall comply with 302. Changes in level other than the running slope and cross slope are not permitted on ramp runs.

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

405.6 Rise. The rise for any ramp run shall be 30 inches (760 mm) maximum. 405.7 Landings. Ramps shall have landings at the top and the bottom of each ramp run. Landings shall

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

flared sides 1:10 max slope

LICENSED ARCHITECT

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AGENCY

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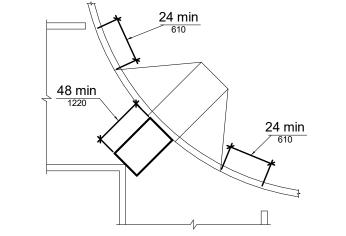
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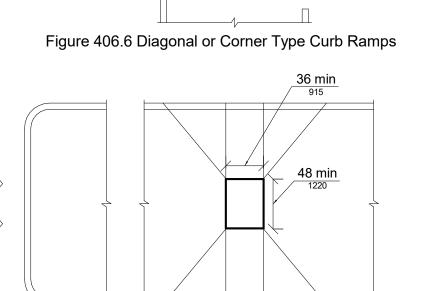
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Figure 406.3 Sides of Curb Ramps 406.5 Location. Curb ramps and the flared –at least as wide as sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides. 406.6 Diagonal Curb Ramps. Diagonal or

corner type curb ramps with returned curbs of igure 406.4 Landings at the Top of Curb Ramps other well-defined edges shall have the edges parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have a clear space 48 inches (1220 mm) minimum outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 48 inches (1220 mm) minimum clear space within the markings. Diagonal curb ramps with flared sides shall have a segment of curb 24 inches (610 mm) long minimum located on each side of the curb ramp and within the marked crossing.

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





curb ramp at island

Figure 406.7 Islands in Crossings **CHAPTER 5: GENERAL SITE AND BUILDING ELEMENTS**

cut through at island

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.

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.

cars and vans, when parked, cannot obstruct the required clear width of adjacent accessible routes.

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

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

surface measured to the bottom of the sign.

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

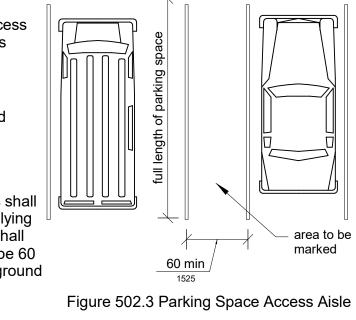


Figure 502.2 Vehicle Parking Spaces

502.7 Relationship to Accessible Routes. Parking spaces and access aisles shall be designed so that

G76

SHEET TITLE

SHEET

A.D.A.

GENERAL

NOTES

ORIGINAL SHEET SIZE 36" x 48"