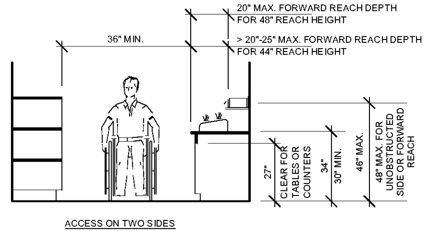
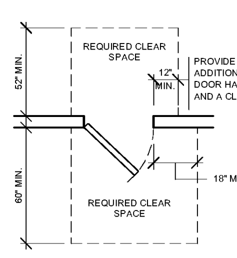


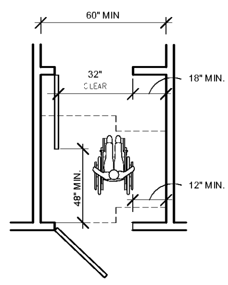
ACCESS ON TWO SIDES

K1 AISLES

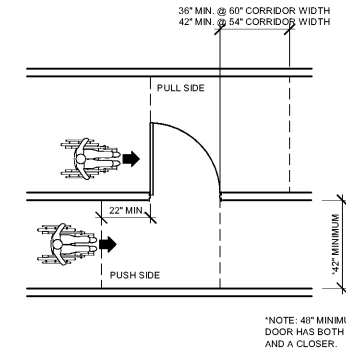
NO SCALE



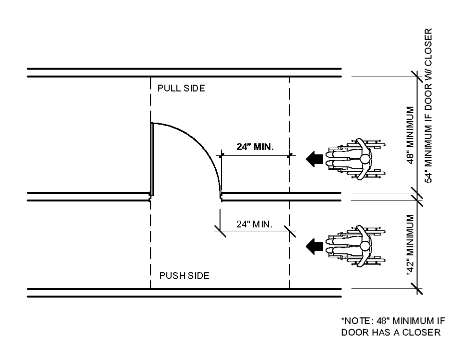
SPACE AT DOORS - FRONT APPROACH



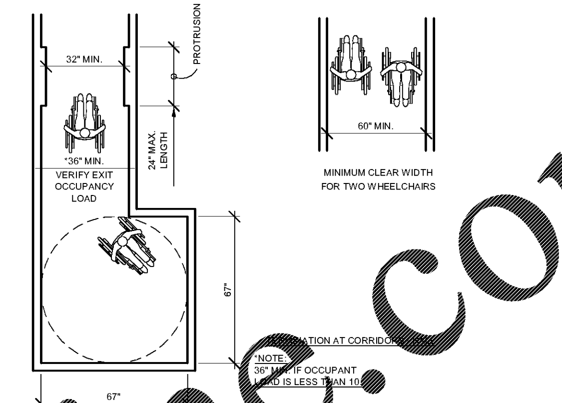
VESTIBULE DOORS



DOOR APPROACH AT HALLWAYS - HINGE APPROACH



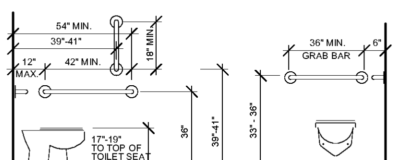
DOOR APPROACH AT HALLWAYS - LATCH APPROACH

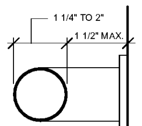


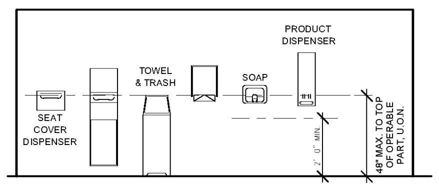
CIRCULATION AT CORRIDORS

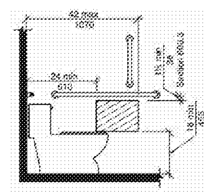
K3 DOOR OPENINGS AT CORRIDORS / HALLS

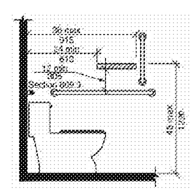
NO SCALE

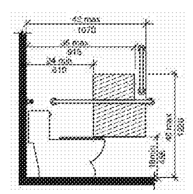


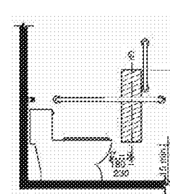





A. DISPENSER OUTLET LOCATION - PORTRUDING DISPENSER BELOW GRAB BAR


B. DISPENSER OUTLET LOCATION - PORTRUDING DISPENSER ABOVE GRAB BAR


C. DISPENSER OUTLET LOCATION - RECESSED DISPENSER


D. DISPENSER OUTLET LOCATION - IN FRONT OF WATER CLOSET - EXCEPTION

GENERAL NOTES

1. ACCESSIBILITY STANDARDS MAY VARY SLIGHTLY FROM THOSE SHOWN HERE ACCORDING TO THE REFERENCED STANDARDS OF THE APPLICABLE CODES, (ANSI A117.1 (U.B.C.)), THE YEAR OF THE CODE ADOPTED AT THE TIME OF THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY, THE LOCAL JURISDICTION REQUIREMENTS, THE CODE ITSELF AS STATED (TITLE 24 OF THE C.B.C., B.O.C.A. OR THE I.B.C.), THE REQUIREMENTS OF AN ADOPTED STATE LAW OR A PRECEDENT PREVIOUSLY SET FOR COMPLIANCE BY THE JUSTICE DEPARTMENT (A.D.A.).
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE ARCHITECT AND/OR THE CIVIL ENGINEER OF ANY DISCREPANCIES, SUBTLE OR OTHERWISE, FROM WHAT IS SHOWN HERE AND THE APPLICABLE CODE/LAW/ORDINANCE.
3. THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND ARE INTENDED ONLY AS AID FOR BUILDING AND CONSTRUCTION.

WATER CLOSET AND ACCESSORIES:

1. THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17" AND A MAXIMUM OF 19" MEASURED TO THE TOP OF A SEAT.
2. THE CONTROLS FOR WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS. AUTOMATIC SPRING TO LIFTED POSITION SEATS ARE NOT ALLOWED.
3. THE FORCE REQUIRED TO ACTIVATE WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE NO GREATER THAN 5 LBF. ELECTRONIC OR AUTOMATIC FLUSHING CONTROLS ARE ACCEPTABLE AND PREFERABLE.
4. WHERE TOWEL, SANITARY NAPKINS, WASTE RECEPTACLES, DISPENSERS, OR OTHER EQUIPMENT AND CONTROLS ARE PROVIDED, PROVIDE AT LEAST ONE OF EACH TYPE SHALL BE ON AN ACCESSIBLE ROUTE, WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40" FROM THE FINISHED FLOOR.

GRAB BARS:

1. THE REAR GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 INCHES (840 MM) MINIMUM AND 36 INCHES (915 MM) MAXIMUM ABOVE FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE
2. THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1-1/4" MIN. TO 2" MAX. GRAB BARS WITH NON CIRCULAR CROSS SECTION SHALL HAVE A CROSS SECTION DIMENSION OF 2" MAX. AND A PERIMETER DIMENSION OF 4" MIN. AND 4.8" MAX.
3. GRAB BARS SHALL BE INSTALLED IN ANY MANNER THAT PROVIDES A GRIPPING SURFACE AT THE LOCATIONS SPECIFIED IN THIS STANDARD AND DOES NOT OBSTRUCT THE CLEAR FLOOR SPACE. HORIZONTAL AND VERTICAL GRAB BARS SHALL BE PERMITTED TO BE SEPERATE BARS, A SINGLE PIECE BAR, OR COMBINATION THEREOF.
4. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHERE A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER MOUNTING DEVICE, OR SUPPORTING STRUCTURE.

D1 WC & TOILET ACCESSORIES NOTES AND INFO.

1/4" = 1'-0"

CORRESPONDING REACH HEIGHTS FOR GIVEN DEPTHS:

UNOBSTRUCTED FORWARD REACH:

HIGH FORWARD REACH SHALL BE 15" MIN. TO 48" MAX.

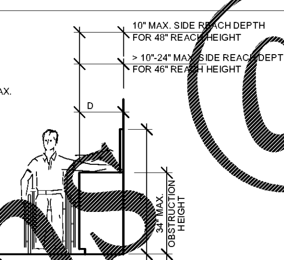
OBSTRUCTED HIGH FORWARD REACH:

WHEN D = 20" MAX, H = 48" MAX.
WHEN D = >20"-25", H = 44" MAX.

UNOBSTRUCTED SIDE REACH:

HIGH SIDE REACH SHALL BE 15" MIN. TO 48" MAX. (D = 10" MAX. PERMITTED)

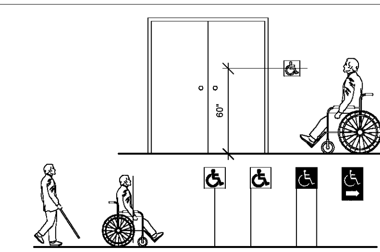
OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE @ 54" MAX.



OBSTRUCTED HIGH SIDE REACH RANGE LIMITS

A1 REACH RANGES

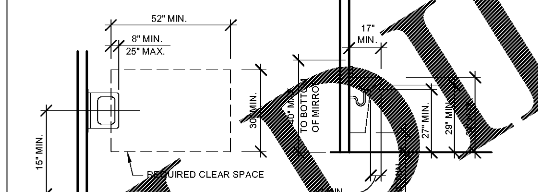
NO SCALE



1. AT EVERY PRIMARY PUBLIC ENTRANCE AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL, THERE SHALL BE A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SIGNS SHALL INDICATE THE DIRECTION TO ACCESSIBLE BUILDING ENTRANCES AND FACILITIES.
2. WHEN A BUILDING CONTAINS AN ENTRANCE OTHER THAN THE MAIN ENTRANCE WHICH IS RAMPED OR LEVEL FOR USE BY DISABLED PERSONS, A SIGN SHOWING ITS LOCATION IS REQUIRED TO BE POSTED AT OR NEAR THE MAIN ENTRANCE.
3. PROVIDE SIGNS WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY INDICATING LOCATION OF EACH ACCESSIBLE ENTRY. PROVIDE ADDITIONAL DIRECTIONAL SIGNS AS REQUIRED.
4. MAT CARPETING MUST BE SECURELY ANCHORED TO FLOOR OR RECESSED INTO DOOR LANDING.

G5 ENTRY AND DIRECTIONAL SIGNS

NO SCALE

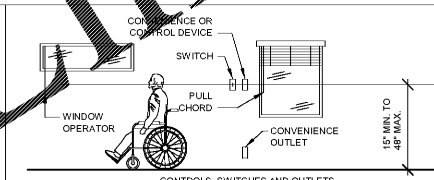


LAVATORY NOTES:

1. PROVIDE A CLEAR SPACE OF 52" MIN. IN FRONT OF THE LAVATORY. THE CLEAR SPACE MAY EXTEND INTO KNEE AND TOE SPACE UNDER LAVATORY.
2. WATER SUPPLY AND DRAINPIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.
3. FAUCET CONTROLS AND OPERATING MECHANISMS ARE REQUIRED TO BE OPERABLE WITH ONE HAND AND CANNOT REQUIRE GRASPING, PINCHING, OR TWISTING OF WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS IS NOT TO EXCEED 5 LBF. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGN.
4. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

G7 LAVATORIES

NO SCALE



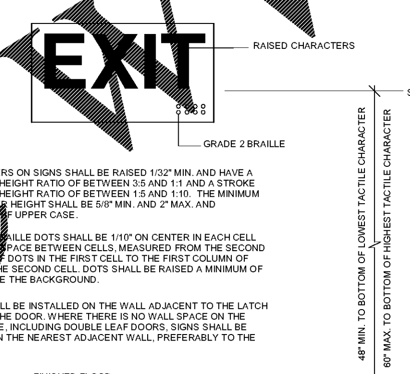
CONTROLS, SWITCHES AND OUTLETS

NOTES:

1. THE HIGHEST OPERABLE PART OF ALL CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION MEETING THE CLEARANCES AND REACH RANGE REQUIREMENTS OF ICC/ANSI A117.1, SECTIONS 308.2 & 308.3
2. CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE OUTLET BOX NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM.
3. ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM.

G13 CONTROLS AND OPERATING MECHANISMS

1/4" = 1'-0"



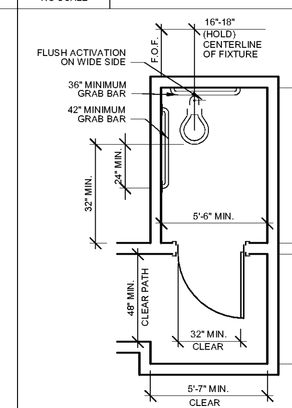
CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MIN. AND HAVE A WIDTH TO HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH TO HEIGHT RATIO OF BETWEEN 1:5 AND 1:10. THE MINIMUM CHARACTER HEIGHT SHALL BE 5/8" MIN. AND 2" MAX. AND SANS-SHERIF UPPER CASE.

GRADE 2 BRAILLE DOTS SHALL BE 1/10" ON CENTER IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND.

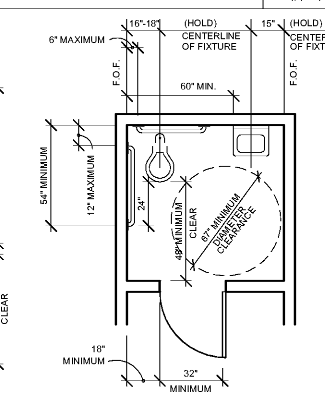
SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY TO THE RIGHT.

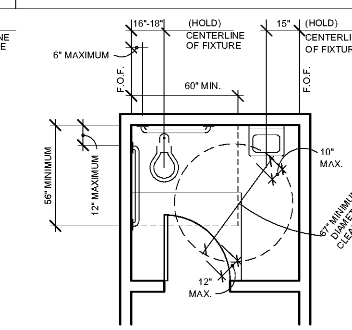
D5 EXIT TACTILE SIGN

1 1/2"=1'-0"



SINGLE ACCOMMODATION ROOMS - EQUIVALENT FACILITATION FOR EXISTING FACILITIES



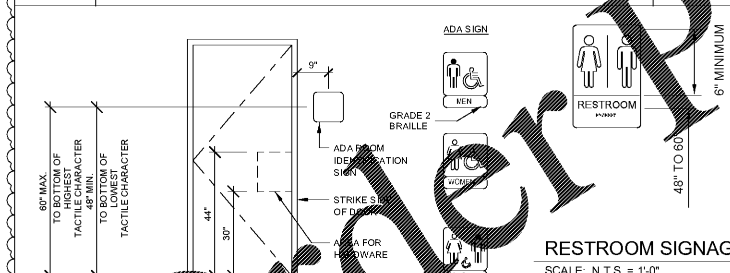


SINGLE ACCOMMODATION ROOMS - NEW CONSTRUCTION

D7 RESTROOM / TOILET ROOMS

1/4" = 1'-0"

NOTE: SIDE TRANSFER MAY VARY DEPENDING ON STATE REQUIREMENTS.



RESTROOM SIGNAGE

SCALE: N.T.S. = 1'-0"

NOTES

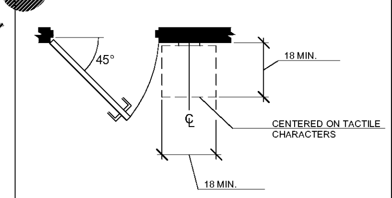
1. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND.
2. IDENTIFICATION SYMBOLS ARE TO BE CENTERED ON DOOR 60" ABOVE FLOOR AND ARE TO BE DISTINCTLY DIFFERENT FROM THE DOOR IN COLOR AND CONTRAST.
3. PROVIDE ROOM IDENTIFICATION SIGN ON LATCH SIDE OF DOOR.
4. LETTERS & NUMBERS ON SIGNS SHALL BE RAISED 1/32" MIN., SHALL BE A MIN. OF 5/8" HIGH, A MAX. OF 2" HIGH, & SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED GRADE 2 BRAILLE.

DESCRIPTION:
SIGNAGE TO BE OF CONTRASTING COLOR & POSSESSING 5/8" H. RAISED LETTERS AS SHOWN W/ CORRESPONDING GRADE 2 BRAILLE @ BOTTOM OF SIGN. PICTOGRAM SHALL BE MINIMUM OF 6" H.

FROM 703.3.2 (REGARDING BRAILLE POSITIONING)
BRAILE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT AND SHALL BE SEPARATED 3/8" FROM ANY OTHER TACTILE CHARACTERS AND 3/8" MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

A3 RESTROOM SIGNS

NO SCALE

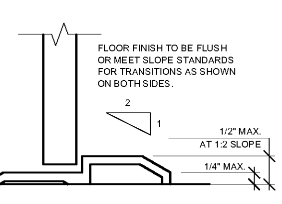


FROM 703.3.11 (LOCATION)
WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS 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 RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST 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), CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

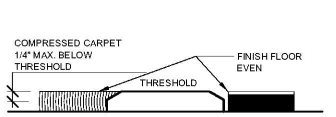
EXCEPTION: SIGNS CONTAINING RAISED CHARACTERS AND BRAILLE SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

A4 SIGNS

NO SCALE



THRESHOLD



DOOR NOTES:

1. WHEN INSTALLED, DOORWAYS SHALL HAVE A MINIMUM CLEAR OPENING OF 32 INCHES WITH THE DOOR OPEN 90 DEGREES.
2. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
3. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
4. THERE SHALL BE A LEVEL AND CLEAR FLOOR OR LANDING ON EACH SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF THE DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN THE CLOSED POSITION. WHERE THE PLANE OF THE DOORWAY IS OFFSET OR LOCATED IN AN ALCOVE A DISTANCE MORE THAN 8 INCHES MEASURED FROM THE PLANE OF THE DOORWAY TO THE FACE OF THE WALL, THE DOOR SHALL BE PROVIDED WITH 60 INCHES MANEUVERING CLEARANCE FOR FRONT APPROACH.
5. THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24 INCHES PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND 18 INCHES PAST THE STRIKE EDGE FOR INTERIOR DOORS. WHERE THE PLANE OF THE DOORWAY IS OFFSET 8 OR MORE INCHES FROM ANY OBSTRUCTION WITHIN 18 INCHES MEASURED LATERALLY ON THE LATCH SIDE, THE DOOR SHALL BE PROVIDED WITH MANEUVERING CLEARANCE FOR FRONT APPROACH.
6. PROVIDE CLEAR SPACE OF 12 INCHES PAST STRIKE EDGE OF THE DOOR ON THE OPPOSITE SIDE TO WHICH THE DOOR SWINGS IF THE DOOR IS EQUIPPED WITH BOTH A LATCH AND A CLOSER.
7. THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN THE THRESHOLD OF THE DOORWAY.
8. THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10 INCH HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.

DOOR HARDWARE NOTES:

1. DOOR HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. MANUALLY OPERATED BOLTS OR SURFACE BOLTS ARE NOT PERMITTED. THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION.
2. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
3. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30 INCHES AND 44 INCHES ABOVE THE FLOOR.
4. WHEN AN AUTOMATIC OR POWER ASSISTED DOOR OPERATOR IS UTILIZED TO OPERATE A PAIR OF DOORS, AT LEAST ONE OF THE DOORS SHALL BE CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. AUTOMATIC DOORS SHALL COMPLY WITH BHMA A156.10 OR BHMA A156.19.

EFFORT TO OPERATE DOORS:

1. THE MAXIMUM FORCE REQUIRED TO PUSH OR PULL OPEN A DOOR SHALL COMPLY WITH THE FOLLOWING:
A. PUSH OR PULL FORCE FOR A HINGED DOOR SHALL BE MEASURED PERPENDICULAR TO THE DOOR FACE AT THE DOOR OPENING HARDWARE OR 30 INCHES FROM THE HINGED SIDE, WHICHEVER IS FARTHER FROM THE HINGE.
B. PUSH OR PULL FORCE FOR A SLIDING DOOR OR FOLDING DOOR SHALL BE MEASURED PARALLEL TO THE DOOR AT THE DOOR PULL OR LATCH.
C. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS COMPLYING WITH SECTION 404.3 MAY BE USED TO MEET THE MAXIMUM FORCE LIMITS:
1) REQUIRED FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBF.
2) OTHER THAN REQUIRED FIRE DOORS, INTERIOR DOORS SHALL HAVE A MAXIMUM OPENING FORCE OF 5 LBF.
3) OTHER THAN REQUIRED FIRE DOORS, EXTERIOR DOORS SHALL HAVE A MAXIMUM OPENING FORCE OF 5 LBF.

A5 DOORS

NO SCALE

GreenbergFarrow
21 South Evergreen Avenue
Suite 200
Arlington Heights, Illinois 60005
t: 847.788.9200

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ISSUE RECORD

DATE	REV.	DESCRIPTION
03/29/2017		PERMIT SUBMISSION SET
05/02/2018	1	REVISED PERMIT SET

PFS APPROVED
DATE 5/8/18
PFS CORPORATION
Cottage Grove, WI

PROFESSIONAL SEAL

STATE OF SOUTH CAROLINA
SUSAN KOUGIAS
Arlington Hts., IL
No. 9561
REGISTERED ARCHITECT
05.02.18

PROFESSIONAL IN CHARGE
SUSAN NELSON KOUGIAS

PROJECT MANAGER
JOHN NASHED

QUALITY CONTROL
CHRIS CERBO

DRAWN BY
SAMUEL VANORA

PROJECT NAME

MURPHY USA

MURPHY OIL CONVENIENCE STORE
508 SC - 72

GREENWOOD , SC 29646

FREY-MOSS STRUCTURE
1801 Rockdale Industrial Blvd.
Conyers, Georgia 30012
Voice: (800) 366-6385
Fax: (770) 483-6037

FMS JOB NUMBER
G18MU00025

FMS MODEL NUMBER
XXXXXX

PROJECT NUMBER
20170844.0

SHEET TITLE

ACCESSIBILITY STANDARD NOTES & DETAILS

SHEET NUMBER

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