ACCESSIBILITY NOTES

1. CONTROLS AND HARDWARE:

A. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS, WINDOWS, CABINETS, PLUMBING FIXTURES AND STORAGE FACILITIES, SHALL HAVE LEVEL OR OTHER SHAPE WHICH WILL PERMIT OPERATION BY WRIST OR ARM PRESSURE AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING TO OPERATE.

B. THE HIGHEST OPERABLE PART OF ENVIRONMENTAL AND OTHER CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE WITHIN AT LEAST ONE OF THE REACH RANGES SPECIFIED ABOVE AND NOT LESS THAN 36 IN. ABOVE THE FLOOR. ELECTRICAL AND COMMUNICATIONS SYSTEM RECEPTACLES ON WALLS SHALL BE MOUNTED A MINIMUM OF 15 IN. IN HEIGHT ABOVE THE FLOOR. DOOR HARDWARE SHALL BE MOUNTED NOT MORE THAN 42 IN. ABOVE FINISHED FLOOR, EXCEPT AT ACCESSIBLE STALLS WHERE IT SHALL BE MOUNTED BETWEEN 34 AND 36 IN. ABOVE FINISHED FLOOR.

C. CLEAR FLOOR SPACE THAT ALLOWS A FORWARD OR A SIDE APPROACH SHALL BE PROVIDED AT ALL CONTROLS OR HARDWARE.

2. ACCESSIBLE ROUTE OF TRAVEL:

A. THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE 36 IN. EXCEPT AT DOORS. WHERE AN ACCESSIBLE ROUTE INCLUDES A 180-DEGREE TURN AROUND AN OBSTRUCTION WHICH IS LESS THAN 48 IN. IN WIDTH, THE CLEAR WIDTH OF THE ACCESSIBLE ROUTE OF TRAVEL AROUND THE OBSTRUCTION SHALL BE 42 IN. MINIMUM.

B. AN ACCESSIBLE ROUTE OF TRAVEL SHALL HAVE A RUNNING SLOPE NOT GREATER THAN 1 VERTICAL IN 12 HORIZONTAL. CROSS SLOPES OF AN ACCESSIBLE ROUTE OF TRAVEL SHALL NOT EXCEED 1 VERTICAL IN 50 HORIZONTAL.

C. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE OF TRAVEL OR MANEUVERING SPACE. ANY WALL-OR POST-MOUNTED OBJECT WITH ITS LEADING EDGE BETWEEN 27 IN. AND 80 IN. ABOVE THE FLOOR MAY PROJECT NO MORE THAN 4 IN. INTO THE REQUIRED WIDTH WITHIN A CORRIDOR ANY WALL OR POST-MOUNTED PROJECTION GREATER THAN 4 IN. SHALL EXTEND TO THE FLOOR. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE OF TRAVEL OR MANEUVERING SPACE.

D. ACCESSIBLE ROUTES FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING, ACCESSIBLE PASSENGER LOADING ZONES & PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE ARE REQUIRED AND SHALL NOT EXCEED 5% OR 1:20 SLOPE IN THE DIRECTION OF TRAVEL NOR 2% OR 1:50 IN CROSS SLOPE.

3. CHANGES IN LEVEL:

A. ACCESSIBLE ROUTES OF TRAVEL AND ACCESSIBLE SPACES WITHIN BUILDINGS SHALL HAVE CONTINUOUS COMMON FLOOR OR RAMP SURFACES. ABRUPT CHANGES IN HEIGHT GREATER THAN 1/4 IN. SHALL BE BEVELED TO 1 VERTICAL IN 2 HORIZONTAL CHANGES IN LEVEL GREATER THAN 1/2 IN. SHALL BE ACCOMPLISHED BY MEANS OF A RAMP AS DELINEATED IN SECTION 5 BELOW.

B. ALL SURFACES SHALL BE FIRM AND STABLE. SHOWERS; LOCKER ROOMS; TOILET ROOMS; AND OTHER AREAS SUBJECT TO WET CONDITIONS SHALL HAVE SLIP-RESISTANT FLOORS. GRATES WITHIN AN ACCESSIBLE ROUTE OF TRAVEL SHALL HAVE NO OPENINGS MORE THAN 1/2 IN. IN LEAST CLEAR DISTANCE BETWEEN SOLID PARTS. THE MAXIMUM VERTICAL SURFACE CHANGE SHALL BE 1/8 IN.

4. ENTRANCES:

A. ALL ENTRANCES ARE REQUIRED TO BE LEVEL. LEVEL IS 2% OR 1/4" PER FOOT OR LESS SLOPE.

5. DOORS:

A. DOORS SHALL BE CAPABLE OF OPENING SO THAT THE CLEAR WIDTH OF THE OPENING IS NOT LESS THAN 32 IN. ALL DOORS SHALL HAVE MINIMUM MANEUVERING CLEARANCES AS FOLLOWS:
1. WHERE A DOOR MUST BE PULLED TO BE OPENED, AN UNOBSTRUCTED FLOOR SPACE SHALL EXTEND AT LEAST 18 INCHES BEYOND THE STRIKE.
2. WHERE A DOOR MUST BE PUSHED TO BE OPENED AND IS EQUIPPED WITH A CLOSER AND A LATCH, AN UNOBSTRUCTED FLOOR SPACE SHALL EXTEND AT LEAST 12 INCHES BEYOND THE STRIKE JAMB.
3. WHERE TWO DOORS ARE IN SERIES, THE MINIMUM DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS SHALL BE 52 INCHES IN ADDITION TO ANY AREA NEEDED FOR DOOR SWING.

B. WHERE PROVIDED, A DOOR CLOSER SHALL BE ADJUSTED TO CLOSE FROM AN OPEN POSITION OF 70 DEGREES IN NOT LESS THAN THREE SECONDS. TO A POINT 3 INCHES (75MM) FROM THE LATCH, WHEN MEASURED TO THE LEADING EDGE OF THE DOOR.

C. EXIT DOORS SHALL BE OF THE SIDE-HINGED SWINGING OR PIVOTED TYPE. ALL EXIT DOORS SHALL SWING IN THE DIRECTION OF EXIT TRAVEL WHEN SERVING ANY HAZARDOUS AREA OR WHEN SERVING AN OCCUPANT LOAD OF 50 OR MORE. THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15-POUND FORCE, AND THE DOOR SHALL BE SET IN MOTION WHEN SUBJECTED TO A 30-POUND FORCE. THE DOOR SHALL SWING TO FULL-OPEN POSITION WHEN SUBJECTED TO A 15-POUND FORCE. THE MAXIMUM OPENING FORCE FOR DOORS LOCATED WITHIN AN ACCESSIBLE ROUTE OF TRAVEL SHALL NOT EXCEED 8.5 POUNDS FOR EXTERIOR HINGED DOORS, 5 POUNDS FOR SLIDING OR FOLDING DOORS OR 5-POUNDS FOR INTERIOR HINGED DOORS. FORCES SHALL BE APPLIED TO THE LATCH SIDE.

D. WHEN PANIC HARDWARE IS INSTALLED, THE ACTIVATING MEMBER SHALL BE MOUNTED AT A HEIGHT OF NOT LESS THAN 30 INCHES OR MORE THAN 44 INCHES ABOVE THE FLOOR. THE UNLATCHING FORCE SHALL NOT EXCEED 15 POUNDS WHEN APPLIED IN THE DIRECTION OF EXIT TRAVEL.

E. EVERY REQUIRED EXIT DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3 FEET IN WIDTH AND NOT LESS THAN 6 FEET, 8 INCHES IN HEIGHT. WHEN INSTALLED, EXIT DOORS SHALL BE CAPABLE OF OPENING SO THAT THE CLEAR WIDTH OF THE EXIT IS NOT LESS THAN 32 INCHES.

F. THE MAXIMUM FORCE FOR PUSHING OR PULLING A DOOR SHALL BE AS FOLLOWS:
1. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.
2. INTERIOR HINGED DOORS: 5 LBF (22.2N)
3. SLIDING OR FOLDING DOORS: 5 LBF (22.2N) THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.

G. THRESHOLDS AT DOORWAYS AND THRESHOLDS SHALL NOT EXCEED 3/4" (19MM) IN HEIGHT FOR EXTERIOR SLIDING DOORS OR 1/2" (13MM) FOR OTHER TYPES OF DOORS.

H. RAISED THRESHOLDS AND FLOOR LEVER CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

6. BATHROOMS, TOILET ROOMS, BATHING FACILITIES AND SHOWER ROOMS:

A. AN UNOBSTRUCTED FLOOR SPACE SHALL BE PROVIDED WITHIN TOILET ROOMS TO INSCRIBE A CIRCLE WITH A DIAMETER NOT LESS THAN 60 INCHES. DOORS IN ANY POSITION MAY ENCROACH INTO THIS SPACE BY NOT MORE THAN 12 INCHES. THE CLEAR FLOOR SPACES AT FIXTURE, THE ACCESSIBLE ROUTE OF TRAVEL AND THE UNOBSTRUCTED FLOOR SPACE MAY OVERLAP.

B. GRAB BARS SHALL HAVE A NOMINAL DIAMETER OF NOT LESS THAN 1-1/4 INCHES OR MORE THAN 1-1/2 INCHES (32MM TO 38MM) AND SHALL PROVIDE A CLEARANCE OF 1-1/2 INCHES (38MM) BETWEEN THE GRAB BARS AND THE WALL. C. THE GRAB BAR WHICH IS LOCATED ON THE BACK WALL BEHIND THE TOILET IS TO BE PLACED 12 INCHES FROM THE CENTERLINE OF THE WATER CLOSET.

D. THE GRAB BAR WHICH IS LOCATED ON THE SIDE WALL IS TO BE PLACED 12 INCHES FROM THE BACK WALL.

7. STRUCTURAL STRENGTH:

A. THE STRUCTURAL STRENGTH OF GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL MEET THE FOLLOWING SPECIFICATION:

1. BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250 LBF (1112N) SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.

2. SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF 250 LBF (1112N) SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT. IF THE CONNECTION BETWEEN THE GRAB BAR OR SEAT AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSION SHEAR STRESSES SHALL BE TOTALED FOR THE COMBINED SHEAR STRESS, WHICH SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS.

3. SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 LBF (1112N) SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.

4. TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 LBF PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING STRUCTURE.

5. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

8. CONTROLS AND OPERATING MECHANISMS:

A. THE HIGHEST OPERABLE PART OF CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT SHALL BE PLACED WITHIN AT LEAST ONE OF THE REACH RANGES SPECIFIED IN THE STATE ACCESSIBILITY STANDARDS.

B. WALL-AND POST-MOUNTED CANTILEVERED UNITS SHALL HAVE KNEE SPACE OF NOT ELECTRICAL AND COMMUNICATIONS SYSTEM RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15 INCHES (380MM) ABOVE THE FLOOR. EXCEPTION: THESE REQUIREMENTS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL AND COMMUNICATIONS SYSTEMS ARE NOT NORMAL OR INTENDED FOR USE BY BUILDING OCCUPANTS.

9. ALARMS:

A. IF PROVIDED, ALARMS MUST BE BOTH AUDIO AND VISUAL. AT A MINIMUM, VISUAL SIGNAL APPLIANCES SHALL BE PROVIDED IN:
1. RESTROOMS AND ANY OTHER GENERAL USAGE AREAS (E.G., MEETING ROOMS)
2. HALLWAYS, LOBBIES, AND ANY OTHER AREA FOR COMMON USE

B. AUDIBLE ALARMS SHALL COMPLY WITH NFPA 72-1990. AUDIBLE ALARMS SHALL EXCEED THE PREVAILING EQUIVALENT SOUND LEVEL IN THE ROOM OR SPACE BY AT LEAST 15 DECIBELS OR SHALL EXCEED ANY MAXIMUM SOUND LEVEL WITH A DURATION OF 60 IS LOUDER. SOUND LEVELS FOR ALARM SIGNALS SHALL NOT EXCEED 120 DECIBELS.

C. MANUAL FIRE ALARM DEVICES SHALL BE MOUNTED NOT MORE THAN 48 INCHES ABOVE THE FLOOR PROVIDED THAT PARALLEL APPROACH IS PROVIDED.

D. IF SINGLE STATION AUDIBLE ALARMS ARE PROVIDED THEN SINGLE STATION VISUAL ALARMS SHALL BE PROVIDED.

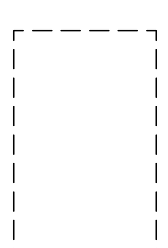
10. SIGNAGE:

A. RAISED AND BRAILED CHARACTERS AND PICTORIAL SYMBOL SIGNS SHALL BE PROVIDED.

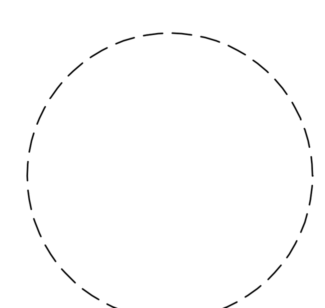
B. FACILITIES AND ELEMENTS REQUIRED TO BE IDENTIFIED AS ACCESSIBLE BY THIS CODE SHALL USED INTERNATIONAL SYMBOL OF ACCESSIBILITY.

C. IF PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, THEN THE SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. SIGNS SHALL BE CENTERED AT 60 INCHES (1525MM) ABOVE THE FINISHED FLOOR.

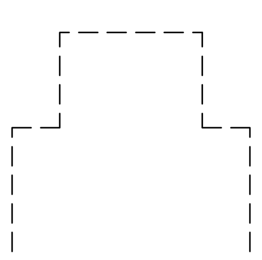
ACCESSIBLE SYMBOLS LEGEND



30" X 48" CLEAR ACCESSIBLE FLOOR SPACE



60" ACCESSIBLE TURNING RADIUS (SHALL BE PERMITTED TO INCLUDE KNEE & TOE CLEARANCES COMPLYING W/ SECTION 306)



36" X 60" T-SHAPE ACCESSIBLE TURNING FLOOR SPACE WITH KNEE & TOE CLEARANCE COMPLYING W/ SECTION 306

REFERENCE SYMBOLS LEGEND

ROOM 000 — ROOM NAME / ROOM NUMBER

X — WALL TYPE

Z / 0 — INDICATES DOOR TYPE / INDICATES DOOR HARDWARE

Z — WINDOW TYPE

1 — SHEET KEYNOTE

00 / A-000 — SECTION NUMBER / SHEET NUMBER

00 / A-000 — EXTERIOR ELEVATION NUMBER / SHEET NUMBER

X — BUILDING COLUMN

℄ — CENTERLINE

A0.0 / 0 — SHEET NUMBER / INTERIOR ELEVATION NUMBER

00 / A-000 — ENLARGED DETAIL NUMBER / SHEET NUMBER [NOTED TYP. (TYPICAL) OR O.H.(OPPOSITE HAND)]

0 — REVISION CLOUD AND NUMBER

GENERAL CONSTRUCTION NOTES

A) DIMENSIONS ARE TYPICALLY SHOWN ON THE CONSTRUCTION PLAN OR ON THE DETAILS, CALL ARCHITECT FOR MISSING DIMENSIONS - DO NOT SCALE DRAWINGS. ALL DIMENSIONS INCLUDING CLEAR OPENINGS ARE TO THE FINISHED FACE OF THE WALL OR DOOR JAMB AND MUST INCLUDE GYP. BD. AND ANY ADDITIONAL BUILT UP FINISHES ON THE WALL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPORT TO THE ARCHITECT ANY DISCREPANCIES IN THE DRAWINGS OR IN THE FIELD PRIOR TO PROCEEDING.

B) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH ALL THE APPLICABLE HEALTH AND SAFETY STANDARDS, BUILDING CODES AND ORDINANCES.

C) THE CONTRACTOR SHALL REVIEW ALL DRAWINGS JOINTLY PRIOR TO CONSTRUCTION TO ENSURE PROPER COORDINATION OF ALL PHASES OF CONSTRUCTION DESCRIBED IN THESE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING BOTH THE ARCHITECT AND ENGINEER IMMEDIATELY OF ANY DISCREPANCIES IN FIELD CONDITIONS OR FIELD DIMENSIONS PRIOR TO PROCEEDING. DO NOT BUILD UNTIL DISCREPANCIES IS RESOLVED.

D) THE CONTRACTOR IS TO COORDINATE ALL WALL LOCATIONS, DIMENSIONS, HEIGHTS & THICKNESS WITH STRUCTURAL AND METAL BUILDING DRAWINGS. THE CONTRACTOR IS TO COORDINATE ALL PLANS, ELEVATIONS, SECTIONS AND DETAILS WITH RELATED DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPORT TO THE ARCHITECT ANY DISCREPANCIES IN THE DRAWINGS PRIOR TO FABRICATION OR BIDDING.

E) THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS/SAMPLES OF ALL FINISHES AND ANY SPECIAL CONSTRUCTION NOTED TO REQUIRE SUCH FOR THE TENANT AND ARCHITECT'S APPROVAL PRIOR TO CONSTRUCTION OR INSTALLATION. THE CONTRACTOR SHALL NOTIFY TENANT'S REPRESENTATIVE OF LONG LEAD ITEMS AFFECTING CONSTRUCTION SCHEDULE.

F) THE CONTRACTOR MUST NOT ALTER, REMOVE OR DAMAGE ANY EXISTING STRUCTURAL COMPONENTS WITHOUT INSTRUCTIONS AND DESIGNS FROM THE BUILDING'S STRUCTURAL ENGINEER (OR ANOTHER QUALIFIED & REGISTERED STRUCTURAL ENGINEER AFTER NOTIFICATION TO THE TENANT AND ARCHITECT).

G) EQUIPMENT ITEMS SHOWN OR REFERENCED ON THE PLAN SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. ANYTHING SHOWN ON THE FLOOR PLANS NOTED AS "BY OTHERS" MEANS ITS GENERAL LOCATION IS SHOWN CORRECTLY BUT ALL DESIGN & IMPLEMENTATION IS TO BE COORDINATED BY ANOTHER PROFESSIONAL AS NOTED.

H) WHERE PARTITIONS EXTEND BEYOND CEILING TO STRUCTURE ABOVE, PROVISIONS SHALL BE MADE FOR RETURN AIR MOVEMENT BACK TO THE PLENUM AS REQUIRED. THE CONTRACTOR SHALL FIRE-PROOF AS REQUIRED BY CODE ALL NEW PENETRATIONS.

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6/18/19

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Project No.	1801.74
Date	02/11/19
Drawn by	JG
Checked by	NL

Sheet No.

A-002

PROJECT STANDARDS