

PROPOSED OFFICE ADDITION / RENOVATION FOR ALEC PRICE

560 ROUTE 73
NORTH BERLIN, NEW JERSEY, 08091

CLIENT: ALEC PRICE
3 Shingle Oak Drive
Voorhees, NJ 08043
(609) 320-1406

ARCHITECT: HOLLIDAY ARCHITECTS, INCORPORATED
Jackson Commons, Suite A-4
30 Jackson Road
Medford, NJ 08055
(609) 953-5373 FAX: (609) 953-5737

CONSULTING
ENGINEER: MULHERN & KULP
STRUCTURAL ENGINEERS
300 Brookside Avenue, Building 4
Ambler, Pa 19002
(215) 646-8001



SHEET INDEX

NO. SHEET TITLE

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DATE	SET ISSUED
4-16-21	ISSUED FOR ENGINEERING
4-21-21	ISSUED FOR CLIENT REVIEW
5-26-21	ISSUED FOR PLANNING BOARD REVIEW

ISSUED FOR
PLANNING BOARD
REVIEW: 05/21/21

HOLLIDAYARCHITECTS
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CODE ANALYSIS

EXISTING & PROPOSED USE GROUP: EXISTING: B (BUSINESS)
PROPOSED: B (BUSINESS)
EXISTING & PROPOSED CONSTRUCTION TYPE: EXISTING UNKNOWN
PROPOSED 5B

INTERNATIONAL BUILDING CODE 2018, NEW JERSEY EDITION
INTERNATIONAL MECHANICAL CODE 2018
NATIONAL STANDARD PLUMBING CODE 2018, NEW JERSEY EDITION
INTERNATIONAL FUEL GAS CODE 2018
NATIONAL ELECTRICAL CODE 2017
UNIFORM CONSTRUCTION CODE,
REHABILITATION SUBCODE - N.J.A.C. 5:23-6
ENERGY SUBCODE - N.J.A.C. 5:23-3.18, ASHRAE 90.1-2016
INTERNATIONAL CODE COUNCIL / ANSI A117.1-2009
ACCESSIBLE & USABLE BUILDINGS & FACILITIES

OCCUPANT LOAD:
(AS PER SECTION 1004 BUSINESS OF THE 2018 IBC NJ EDITION)

TOTAL OCCUPANTS: 24 OR FEWER OCCUPANTS

AREA / VOLUME CALCULATIONS

AREAS:
FIRST FLOOR: +/- 771 S.F.
SECOND FLOOR: +/- 647 S.F.
TOTAL FLOOR SPACE: +/- 1418 S.F.

VOLUMES:
TOTAL BUILDING: +/- 21,996 C.F.

PROJECT:
PROPOSED ADDITION/RENOVATION
560 ROUTE 73
NORTH BERLIN, NEW JERSEY, 08091

CLIENT:
ALEC PRICE

REV.	DATE	REVISION

DESIGNED JD	
DRAWN RA/JD	
CHECKED JH	
APPROVED JH	

SHEET TITLE:
TITLE SHEET

SCALE: AS NOTED	SHEET NO.
PROJ. NO.: NRA-21003	TS-1
DATE: April XX, 2021	

Chapter 11 Accessibility
per International Building Code 2018, New Jersey Edition

Chapter 11
Accessibility

SECTION 1101
GENERAL

1101.1 Scope. The provisions of this chapter shall control the design and construction of facilities for accessibility for individuals with disabilities. This chapter shall be interpreted to require access for people with disabilities, including, but not limited to occupants, employees, consumers, students, spectators, participants, or visitors.

1101.2 Existing Facilities. Any building or portion of a building constructed or altered to be accessible shall be maintained accessible.

SECTION 1105
ACCESSIBLE ENTRANCES

1105.1 Public Entrances. In addition to accessible entrances required by Sections 1105.1.1 through 1105.1.7, at least 60 percent of all public entrances shall be accessible. The primary entrance(s) used by the general public shall be accessible.

Exceptions:

1. An accessible entrance is not required to areas not required to be accessible.
2. Loading and service entrances that are not the only entrance to a tenant space.

1105.1.1 Parking Garage Entrances. Where provided, direct access for pedestrians from parking structures to buildings or facility entrances shall be accessible.

1105.1.2 Entrances From Tunnels or Elevated Walkways. Where direct access is provided for pedestrians from a pedestrian tunnel or elevated walkway to a building or facility, at least one entrance to the building or facility from each tunnel or walkway shall be accessible.

1105.1.3 Restricted Entrances. Where restricted entrances are provided to a building or facility, at least one restricted entrance to the building or facility shall be accessible.

1105.1.4 Entrances for Inmates or Detainees. Where entrances used only by inmates or detainees and security personnel are provided at judicial facilities, detention facilities or correctional facilities, at least one such entrance shall be accessible.

1105.1.5 Service Entrances. If a service entrance is the only entrance to a building or a tenant space in a facility, that entrance shall be accessible.

1105.1.6 Tenant Spaces. At least one accessible entrance shall be provided to each tenant in a facility.

Exception: An accessible entrance is not required to self-service storage facilities that are not required to be accessible.

1105.1.7 Dwelling Units and Sleeping Units. At least one accessible entrance shall be provided to each dwelling unit and sleeping unit in a facility.

Exception: An accessible entrance is not required to dwelling units and sleeping units that are not required to be Accessible units or Type A units.

SECTION 1107
DWELLING UNITS AND SLEEPING UNITS

1107.1 General. In addition to the other requirements of this chapter, occupancies having dwelling units or sleeping units shall be provided with accessible features in accordance with this section.

1107.2 Design. Dwelling units and sleeping units that are required to be Accessible units and Type A units shall comply with the applicable portions of Chapter 10 of ICC A117.1. Units required to be Type A units are permitted to be designed and constructed as Accessible units.

1107.3 Accessible Spaces. Rooms and spaces available to the general public or available for use by residents and serving Accessible units or Type A units shall be accessible. Accessible spaces shall include toilet and bathing rooms, kitchen, living and dining areas, laundry areas, mailboxes and meeting rooms and any exterior spaces, including patios, terraces and balconies.

Exceptions:

1. Mailboxes shall be mounted at minimum height of 26 inches and a maximum of 54 inches where a parallel approach is provided.
2. Recreational facilities in accordance with Section 1110.2.
3. Deleted.

1107.4 Accessible Route. Not fewer than one accessible route shall connect accessible building or facility entrances with the primary entrance of each Accessible unit and Type A unit within the building or facility and with those exterior and interior spaces and facilities that serve the units.

Exceptions:

1. If due to circumstances outside the control of the owner, either the slope of the finished ground level between accessible facilities and buildings exceeds one unit vertical in 12 units horizontal (1:12), or where physical barriers or legal restrictions prevent the installation of an accessible route, a vehicular route with parking that complies with Section 1108 at each public or common use facility or building is permitted in place of the accessible route.
2. In Group I-3 facilities, an accessible route is not required to connect stories or mezzanines where Accessible units, all common use areas serving Accessible units and all public use areas are on an accessible route.
3. In Group R-2 facilities with Type A units complying with Section 1107.6.2.2.1, an accessible route is not required to connect stories or mezzanines where Type A units, all common use areas serving Accessible units and all public use areas are on an accessible route.
4. In other than Group R-2 dormitory housing provided by places of education, in Group R-2 facilities with Accessible units complying with Section 1107.6.2.2.1, an accessible route is not required to connect stories or mezzanines where Accessible units, all common use areas serving Accessible units and all public use areas are on an accessible route.
5. In Group R-1, an accessible route is not required to connect stories or mezzanines within individual units, provided the accessible level meets the provisions for Accessible units and sleeping accommodations for two persons minimum and a toilet facility are provided on that level.
6. In congregate residences in Groups R-3 and R-4, an accessible route is not required to connect stories or mezzanines where Accessible units, all common use areas serving Accessible units, and all public use areas serving Accessible units are on an accessible route.
7. Deleted.

1107.5 Group I Accessible units shall be provided in Group I occupancies in accordance with Sections 1107.5.1 through 1107.5.5.

1107.5.1 Group I-1. Accessible units shall be provided in Group I-1 occupancies in accordance with Section 1107.5.1.1.

1107.5.1.1 Accessible Units. In Group I-1, Condition 1, at least 4 percent, but not less than one of the dwelling units and sleeping units shall be Accessible units. In Group I-1, Condition 2, at least 10 percent, but not less than one of the dwelling units and sleeping units shall be Accessible units.

1107.5.1.2 Type B Units. Deleted.

1107.5.2 Group I-2 Nursing Homes. Accessible units shall be provided in nursing homes of Group I-2 occupancies in accordance with Section 1107.5.2.1.

1107.5.2.1 Accessible Units. At least 50 percent but not less than one of each type of the dwelling units and sleeping units shall be Accessible units.

1107.5.2.2 Toilets Used by Residents. Toilets used by residents shall be provided sufficient clearance on both sides of the toilet to enable the physical access and maneuvering by staff members to assist the resident in wheelchair-to-toilet transfers and returns. Alternative grab bar configurations shall be permitted.

1107.5.3 Group I-2 Hospitals. Accessible units shall be provided in general-purpose hospitals, psychiatric facilities and detoxification facilities of Group I-2 occupancies in accordance with Section 1107.5.3.1.

1107.5.3.1 Accessible Units. At least 10 percent, but not less than one of the dwelling units and sleeping units shall be Accessible units.

Exception: Entry doors to Accessible dwelling units or sleeping units shall not be required to provide the maneuvering clearance beyond the latch side of the door.

1107.5.3.2 Type B Units. Deleted.

1107.5.4 Group I-2 Rehabilitation Facilities. In hospitals and rehabilitation facilities of Group I-2 occupancies that specialize in treating conditions that affect mobility or units within either that specialize in treating conditions that affect mobility, 100 percent of the dwelling units and sleeping units shall be Accessible units.

1107.5.5 Assisted Living Facilities. Assisted living facilities that are licensed by the Department of Health are Group I-2 for compliance with the building subcode, fire protection subcode, and the other subcodes of the Uniform Construction Code and shall be Group R-2 for the purposes of accessibility.

1107.5.5.1 Dwelling units that are available for occupancy only for 30 or more consecutive days shall be required to comply with Section 1003 of ICC A117.1.

1107.5.5.2 Where an assisted living facility includes dwelling units or rooms that are available for occupancy for fewer than 30 consecutive days, 50 percent of those dwelling units or rooms shall be accessible in accordance with Section 1002 of ICC A117.1 and shall include one full bathroom that complies with Section 1002 of ICC A117.1 and, where a kitchen is provided, it shall comply with Section 1002 of ICC A117.1.

1107.5.5.3 In dwelling units in an assisted living facility that are designated Group R-2 for the purposes of accessibility, the following may be adaptable.

1107.5.5.3.1 The threshold for an accessible transfer shower may be adaptable as long as the shower threshold can be adapted with minimal expense and effort to be

accessible; and

1107.5.5.3.2 A transfer-type shower of 36 inches (914 mm) by 48 inches (1219 mm) that includes an accessible seat may be provided in individual dwelling units. The threshold of this shower shall not exceed 4 inches (102 mm).

1107.5.6 Group I-3. Accessible units shall be provided in Group I-3 occupancies in accordance with Sections 1107.5.6.1 through 1107.5.6.3.

1107.5.6.1 Group I-3 Sleeping Units. In Group I-3 occupancies, at least 3 percent of the total number of sleeping units in the facility, but not less than one unit in each classification level, shall be Accessible units.

1107.5.6.2 Special Holding Cells and Special Housing Cells or Rooms. In addition to the Accessible units required by Section 1107.5.6.1, where special holding cells or special housing cells or rooms are provided, at least one serving each purpose shall be an Accessible unit. Cells or rooms subject to this requirement include, but are not limited to, those used for purposes of identification, protective custody, administrative or disciplinary detention or segregation, detoxification and medical isolation.

Exception: Cells or rooms specially designed without protrusions and that are used solely for purposes of suicide prevention shall not be required to include grab bars.

1107.5.6.3 Medical Care Facilities. Patient sleeping units or calls required to be Accessible units in medical care facilities shall be provided in addition to any medical isolation cells required to comply with Section 1107.5.6.2.

1107.6 Group R Accessible units and Type A units shall be provided in Group R occupancies in accordance with Sections 1107.6.1 through 1107.6.4.

1107.6.1 Group R-1. Accessible units shall be provided in Group R-1 occupancies in accordance with Section 1107.6.1.1.

1107.6.1.1 Accessible Units. Accessible dwelling units and sleeping units shall be provided in accordance with Table 1107.6.1.1. On a multiple-building site, where structures contain more than 50 dwelling units or sleeping units, the number of Accessible units shall be determined per structure. On a multiple-building site, where structures contain 50 or fewer dwelling units or sleeping units, all dwelling units and sleeping units on a site shall be considered to determine the total number of Accessible units. Accessible units shall be dispersed among the various classes of units.

TABLE 1107.6.1.1 ACCESSIBLE DWELLING UNITS AND SLEEPING UNITS			
TOTAL NUMBER OF UNITS PROVIDED	MINIMUM REQUIRED NUMBER OF ACCESSIBLE UNITS WITHOUT ROLL-IN SHOWERS	MINIMUM REQUIRED NUMBER OF ACCESSIBLE UNITS WITH ROLL-IN SHOWERS	TOTAL NUMBER OF REQUIRED ACCESSIBLE UNITS
1 to 25	1	0	1
26 to 50	2	0	2
51 to 75	3	1	4
76 to 100	4	1	5
101 to 150	5	2	7
151 to 200	6	2	8
201 to 300	7	3	10
301 to 400	8	4	12
401 to 500	9	4	13
501 to 1,000	2% of total	1% of total	3% of total
Over 1,000	20, plus 1 for each 100, or fraction thereof, over 1,000	10 plus 1 for each 100, or fraction thereof, over 1,000	30 plus 2 for each 100, or fraction thereof, over 1,000

1107.6.1.2 Type B Units. Deleted.

1107.6.2 Group R-2. Accessible units and Type A units shall be provided in Group R-2 occupancies in accordance with Sections 1107.6.2.1 through 1107.6.2.3.

1107.6.2.1 Live/Work Units. In live/work units constructed in accordance with Section 416, the nonresidential portion is required to be accessible. In a structure where there are four or more live/work units intended to be occupied as a residence, the residential portion of the live/work unit shall comply with Sections 1107.6.2.2 and 1107.7.

1107.6.2.2 Live/Work Units, Apartment Houses, Monasteries and Convents. Type A units shall be provided in live/work units, apartment houses, monasteries and convents in accordance with Section 1107.6.2.2.1. Bedrooms in monasteries and convents shall be counted as units for the purpose of determining the number of units. Where the bedrooms are grouped in sleeping units, only one bedroom in each sleeping unit shall count toward the number of required Type A units.

1107.6.2.2.1 Type A Units. In Group R-2 live/work units, apartment houses, monasteries and convents containing four or more dwelling units or sleeping units, all ground floor dwelling units in a building without elevator service and all dwelling units in an elevator-served building shall be Type A units. For the purpose of applying this requirement, the ground floor shall mean, in a building containing dwelling units, the first floor with a dwelling unit or portion of a dwelling unit, regardless of whether that floor is at grade. A building may have more than one ground floor.

Exception: The number of Type A units is permitted to be reduced in accordance with Section 1107.7.

1107.6.2.2.2 Type B Units. Deleted.

1107.6.2.3 Group R-2 Other Than Live/Work Units, Apartment Houses, Monasteries and Convents. In Group R-2 occupancies, other than live/work units, apartment houses, monasteries and convents falling within the scope of Sections 1107.6.2.1 and 1107.6.2.2, Accessible units and Type A units shall be provided in accordance with Sections 1107.6.2.3.1 and 1107.6.2.3.2. Bedrooms within congregate living facilities, dormitories, sororities, fraternities and boarding houses shall be counted as sleeping units for the purpose of determining the number of units. Where the bedrooms are grouped into dwelling or sleeping units, only one bedroom in each dwelling or sleeping unit shall be permitted to count toward the number of required Accessible units.

1107.6.2.3.1 Accessible Units. Accessible dwelling units and sleeping units shall be provided in accordance with Table 1107.6.1.1.

1107.6.2.3.2 Type A Units. In Group R-2 occupancies other than live/work units, apartment houses, monasteries and convents containing four or more dwelling units or sleeping units, all ground floor dwelling units in a building without elevator service and all dwelling units in an elevator-served building shall be Type A units. For the purpose of applying this requirement, the ground floor shall mean, in a building containing dwelling units, the first floor with a dwelling unit or portion of a dwelling unit, regardless of whether that floor is at grade. A building may have more than one ground floor.

Exception: The number of Type A units is permitted to be reduced in accordance with Section 1107.7.

1107.6.3 Group R-3. In Group R-3 occupancies where there are four or more dwelling units or sleeping units intended to be occupied as a residence in a single structure, every dwelling unit and sleeping unit intended to be occupied as a residence shall be a Type A unit. Bedrooms within congregate living facilities, dormitories, sororities, fraternities, and boarding houses shall be counted as sleeping units for the purpose of determining the number of units.

Exception: The number of Type A units is permitted to be reduced in accordance with Section 1107.7.

1107.6.4 Group R-4. Accessible units and Type A units shall be provided in Group R-4 occupancies in accordance with Sections 1107.6.4.1 and 1107.6.4.2. Bedrooms in Group R-4 facilities shall be counted as sleeping units for the purpose of determining the number of units.

1107.6.4.1 Accessible Units. In Group R-4, Condition 1, at least one of the sleeping units shall be an Accessible unit. In Group R-4, Condition 2, at least two of the sleeping units shall be an Accessible unit.

1107.6.4.2 Type A Units. In structures with four or more sleeping units intended to be occupied as a residence, every sleeping unit intended to be occupied as a residence shall be a Type A unit.

Exception: The number of Type A units is permitted to be reduced in accordance with Section 1107.7.

1107.6.5 COAH Units. The exemption for townhouses and multistory units notwithstanding multistory or multifloor townhouses for which credit is sought for low- or moderate-income housing through the Council on Affordable Housing (COAH) shall have the following features, which shall comply with the standards for Type A dwelling units per ICC A117.1.

1. An adaptable entrance, with the plans for the adaptation to provide an accessible entrance;

Accessible and Useable Buildings and Facilities
per ICC A117.1-2009

<p>Chapter 3. Building Blocks</p> <p>302 Floor Surfaces</p> <p>302.1 General. Floor surfaces shall be stable, firm, and slip resistant, and shall comply with Section 302. Changes in level in floor surfaces shall comply with Section 303.</p> <p>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. The pile shall be 1/2 inch (13 mm) maximum in height. Exposed edges of carpet shall be fastened to the floor and shall have trim along the entire length of the exposed edge. Carpet edge trim shall comply with Section 303.</p> <p>302.3 Openings. Openings in floor surfaces shall be of a size that does not permit the passage of a 1/2 inch (13 mm) diameter sphere, except as allowed in Sections 407.4.3, 408.4.3, 409.4.3, 410.4, and 805.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.</p> <p>303 Changes in Level</p> <p>303.1 General. Changes in level in floor surfaces shall comply with Section 303.</p> <p>303.2 Vertical. Changes in level of 1/4 inch (6.4 mm) maximum in height shall be permitted to be vertical, predominant direction of travel</p> <p>303.3 Beveled. Changes in level greater than 1/4 inch (6.4 mm) in height and not more than 1/2 inch (13 mm) maximum in height shall be beveled with a slope not steeper than 1:2.</p> <p>303.4 Ramps. Changes in level greater than 1/2 inch (13 mm) in height shall be ramped and shall comply with Section 405 or 406.</p> <p>304 Turning Space</p> <p>304.1 General. A turning space shall comply with Section 304.</p> <p>304.2 Floor Surface. Floor surfaces of a turning space shall comply with Section 302. Changes in level are not permitted within the turning space.</p> <p>Exception: Slopes steeper than 1:48 shall be permitted.</p> <p>304.3 Size. Turning spaces shall comply with Section 304.3.1 or 304.3.2.</p> <p>304.3.1 Circular Space. The turning space shall be a circular space with a 60-inch (1525 mm) minimum diameter. The turning space shall be permitted to include knee and toe clearance complying with Section 306.</p> <p>304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60-inch (1525 mm) minimum square, with arms and base 36 inches (915 mm) minimum in width. 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 turning space shall be permitted to include knee and toe clearance complying with Section 306 only at the end of either the base or one arm.</p> <p>304.4 Door Swing. Unless otherwise specified, doors shall be permitted to swing into turning spaces.</p> <p>305 Clear Floor Space</p> <p>305.1 General. A clear floor space shall comply with Section 305.</p> <p>305.2 Floor Surfaces. Floor surfaces of a clear floor space shall comply with Section 302. Changes in level are not permitted within the clear floor space.</p> <p>Exception: Slopes not steeper than 1:48 shall be permitted.</p> <p>305.3 Size. The clear floor space shall be 48 inches (1220 mm) minimum in length and 30 inches (760 mm) minimum in width.</p> <p>305.4 Knee and Toe Clearance. Unless otherwise specified, clear floor space shall be permitted to include knee and toe clearance complying with Section 306.</p> <p>305.5 Position. Unless otherwise specified, the clear floor space shall be positioned for either forward or parallel approach to an element.</p> <p>305.6 Approach. One full, unobstructed side of the clear floor space shall adjoin or overlap an accessible route or adjoin another clear floor space.</p> <p>305.7 Alcoves. If a clear floor space is in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearances complying with Sections 305.7.1 and 305.7.2 shall be provided, as applicable.</p> <p>305.7.1 Parallel Approach. Where the clear floor space is positioned for a parallel approach, the alcove shall be 60 inches (1525 mm) minimum in width where the depth exceeds 15 inches (380 mm).</p> <p>305.7.2 Forward Approach. Where the clear floor space is positioned for a forward approach, the alcove shall be 36 inches (915 mm) minimum in width where the depth exceeds 24 inches (610 mm).</p> <p>306 Knee and Toe Clearance</p> <p>306.1 General. Where space beneath an element is included as part of clear floor space at an element, clearance at an element, or a turning space, the space shall comply with Section 306. Additional space shall not be prohibited beneath an element, but shall not be considered as part of the clear floor space or turning space.</p> <p>306.2 Toe Clearance.</p> <p>306.2.1 General. Space beneath an element between the floor and 9 inches (230 mm) above the floor shall be considered toe clearance and shall comply with Section 306.2.</p> <p>306.2.2 Maximum Depth. Toe clearance shall be permitted to extend 25 inches (635 mm) maximum under an element.</p> <p>306.2.3 Minimum 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 beneath the element.</p> <p>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 floor shall not be considered toe clearance.</p> <p>306.2.5 Width. Toe clearance shall be 30 inches (760 mm) minimum in width.</p> <p>306.3 Knee Clearance.</p> <p>306.3.1 General. Space beneath an element between 9 inches (230 mm) and 27 inches (685 mm) above the floor shall be considered knee clearance and shall comply with Section 306.3.</p> <p>306.3.2 Maximum Depth. Knee clearance shall be permitted to extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the floor.</p> <p>306.3.3 Minimum Depth. Where knee clearance is required beneath an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) minimum in depth at 9 inches (230 mm) above the floor, and 8 inches (205 mm) minimum in depth at 27 inches (685 mm) above the floor.</p> <p>306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the floor, the knee clearance shall be permitted to be reduced at a rate of 1 inch (25 mm) for each 6 inches (150 mm) in height.</p> <p>306.3.5 Width. Knee clearance shall be 60 inches (760 mm) minimum in width.</p> <p>307 Protruding Objects</p> <p>307.1 General. Protruding objects on circulation paths shall comply with Section 307.</p>	<p>307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the floor shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.</p> <p>EXCEPTIONS: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.</p> <p>307.3 Post-Mounted Objects. Objects on posts or pylons shall be permitted to overhang 4 inches (100 mm) maximum where more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the floor. Objects on multiple posts or pylons where the clear distance between the posts or pylons is greater than 12 inches (305 mm) shall have the lowest edge of such object either 27 inches (685 mm) maximum or 80 inches (2030 mm) minimum above the floor.</p> <p>Exception: Sloping portions of handrails between the top and bottom riser of stairs and above the ramp run shall not be required to comply with Section 307.3.</p> <p>307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) minimum. Rails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm). The leading edge of such rails or barrier shall be located 27 inches (685 mm) maximum above floor.</p> <p>307.5 Required Clear Width. Protruding objects shall not reduce the clear width required for accessible routes.</p> <p>308 Reach Ranges</p> <p>308.1 General. Reach ranges shall comply with Section 308.</p> <p>308.2 Forward Reach.</p> <p>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 floor.</p> <p>308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum, and the reach depth shall be 25 inches (635 mm) maximum.</p> <p>EXCEPTION: The maximum height and depth of obstruction shall not apply to kitchen counters in dwelling units.</p> <p>308.3 Side Reach.</p> <p>308.3.1 Unobstructed. Where a clear floor space complying with Section 305 allows a parallel approach to an element and the edge of the clear floor space is 10 inches (255 mm) maximum from the element, the high reach shall be 48 inches (1220 mm) maximum and the low reach shall be 15 inches (380 mm) minimum above the floor.</p> <p>EXCEPTION: Existing elements that are not altered shall be permitted at 54 inches (1370 mm) maximum above the floor.</p> <p>308.3.2 Obstructed High Reach. Where a clear floor space complying with Section 305 allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum above the floor and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum above the floor 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.</p> <p>Exception: At washing machines and clothes dryers, the height of the obstruction shall be permitted to be 36 inches (915 mm) maximum above the floor.</p> <p>308.3.3 Obstructed High Forward Reach. At washing machines and clothes dryers, the height of the obstruction shall be permitted to be 36 inches (915 mm) maximum above the floor.</p> <p>308.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the floor, the knee clearance shall be permitted to be reduced at a rate of 1 inch (25 mm) for each 6 inches (150 mm) in height.</p> <p>308.3.5 Width. Knee clearance shall be 60 inches (760 mm) minimum in width.</p> <p>309 Protruding Objects</p> <p>309.1 General. Protruding objects on circulation paths shall comply with Section 309.</p>
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DATE

SET ISSUED

4-16-21

ISSUED FOR ENGINEERING

4-21-21

ISSUED FOR CLIENT REVIEW

5-26-21

ISSUED FOR PLANNING BOARD REVIEW

ISSUED FOR PLANNING BOARD REVIEW: 05/21/21

HOLLIDAYARCHITECTS Incorporated

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PROJECT: PROPOSED ADDITION/RENOVATION

560 ROUTE 73

NORTH BERLIN, NEW JERSEY, 08091

CLIENT: ALEC PRICE

REV.	DATE	REVISION

DESIGNED	JD
DRAWN	RA/JD
CHECKED	JH
APPROVED	JH

SHEET TITLE: ACCESSIBILITY REQUIREMENTS

SCALE: AS NOTED	SHEET NO.
PROJ. NO.: NRA-21003	ADA-1
DATE: April XX, 2021	

Accessible and Useable Buildings and Facilities
per ICC A117.1-2009

309 Operable Parts

309.1 General. Operable parts required to be accessible shall comply with Section 309.

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

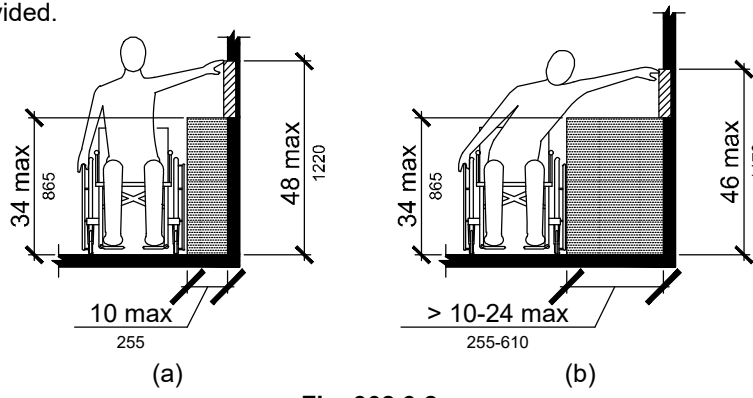


Fig. 308.3.2
Obstructed High Side Reach

309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 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 5.0 pounds (22.2 N) maximum.

EXCEPTION: Gas pump nozzles shall not be required to provide operable parts that have an activating force of 5.0 pounds (22.2 N) maximum.

Chapter 4. Accessible Routes

401 General

401.1 Scope. Accessible routes required by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 4.

402 Accessible Routes

402.1 General. Accessible routes shall comply with Section 402.

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

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

403 Walking Surfaces

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

403.2 Floor Surface. Floor surfaces shall comply with Section 302.

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

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

403.5 Clear Width. The clear width of an accessible route 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 the reduced width segments are separated by segments that are 48 inches (1220 mm) minimum in length and 36 inches (915 mm) minimum in width.

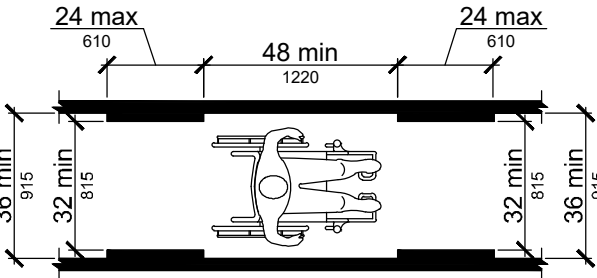


Fig. 403.5
Clear Width of an Accessible Route

403.5.1 Clear Width at Turn. Where an accessible route makes a 180 degree turn around an object that is less than 48 inches (1220 mm) in width, clear widths shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum during the turn, and 42 inches (1065 mm) minimum leaving the turn.

EXCEPTION: Section 403.5.1 shall not apply where the clear width at the turn is 60 inches (1525 mm) minimum.

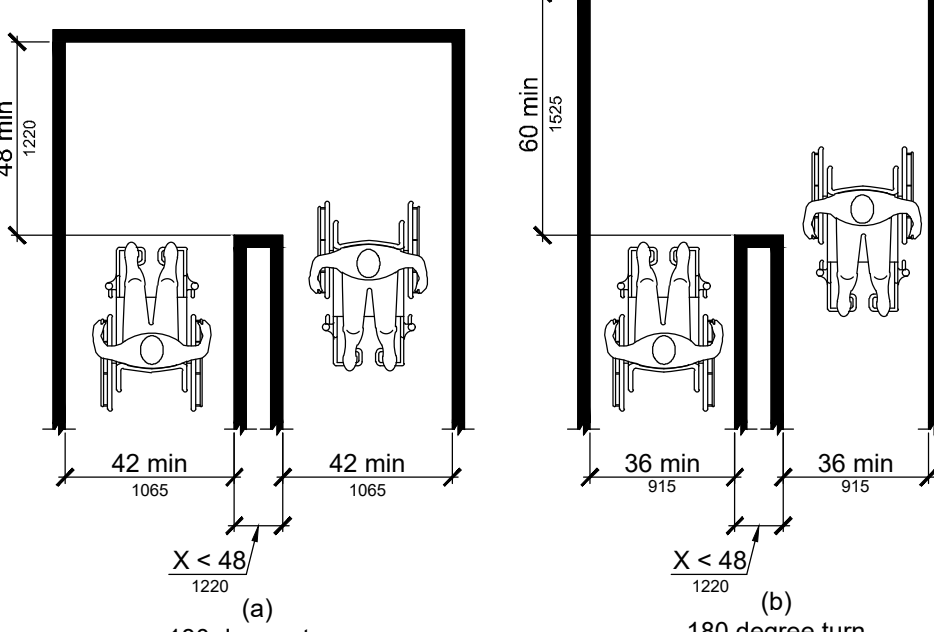


Fig. 403.5.1
Clear Width at Turn

403.5.2 Passing Space. 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 60 inch (1525 mm) minimum by 60 inch (1525 mm) minimum space, or an intersection of two walking surfaces that provide a T-shaped turning space complying with Section 304.3.2, provided the base and arms of the T-shaped space extend 48 inches (1220 mm) minimum beyond the intersection.

403.6 Handrails. Where handrails are required at the side of a corridor they shall comply with Sections 505.4 through 505.9.

404 Doors and Doorways

404.1 General. Doors and doorways that are part of an accessible route shall comply with Section 404.

404.2 Manual Doors. Manual doors and doorways, and manual gates, including ticket gates, shall comply with the requirements of Section 404.2.

EXCEPTION: Doors, doorways, and gates designed to be operated only by security personnel shall not be required to comply with Sections 404.2.6, 404.2.7, and 404.2.8.

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

404.2.2 Clear Width. Doorways shall have a clear opening width of 32 inches (815 mm) minimum. Clear opening width of doorways with swinging doors shall be measured between the face of door and stop, with the door open 90 degrees. Openings, doors and doorways without doors more than 24 inches (610 mm) in depth shall provide a clear opening width of 36 inches (915 mm) minimum. There shall be no projections into the clear opening with lower than 34 inches (865 mm) above the floor. Projections into the clear opening with between 34 inches (865 mm) and 80 inches (2030 mm) above the floor shall not exceed 4 inches (102 mm).

EXCEPTIONS:
1. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the floor.
2. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear opening width shall be permitted for the latch side stop.

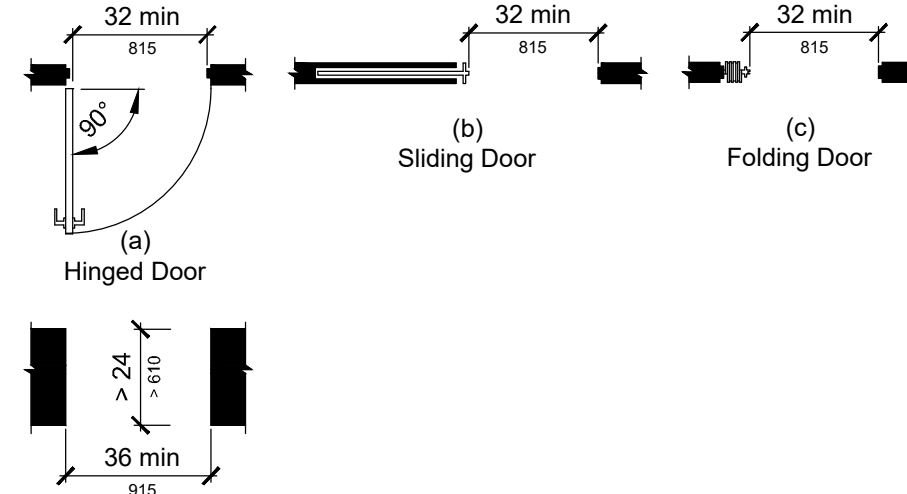


Fig. 404.2.2
Clear Width of Doorways

404.2.3 Maneuvering Clearances at Doors. Minimum maneuvering clearances at doors shall comply with Section 404.2.3 and shall include the full clear opening width of the doorway. Required door maneuvering clearances shall not include knee and toe clearance.

404.2.3.1 Floor Surface. Floor surface within the maneuvering clearances shall have a slope not steeper than 1:48 and shall comply with Section 302.

404.2.3.2 Swinging Doors. Swinging doors shall have maneuvering clearances complying with Table 404.2.3.1.

Table 404.2.3.1-Maneuvering Clearances at Manual Swinging Doors			
TYPE OF USE	DOOR SIDE	MINIMUM MANEUVERING CLEARANCES	
Approach Direction	Door Side	Perpendicular to Doorway	Parallel to Doorway (beyond latch unless noted)
From front	Pull	60 inches (1525 mm)	18 inches (455 mm)
From front	Push	48 inches (1220 mm)	0 inches (0 mm)*3
From hinge side	Pull	60 inches (1525 mm)	36 inches (915 mm)
From hinge side	Pull	54 inches (1370 mm)	42 inches (1065 mm)
From hinge side	Push	42 inches (1065 mm)*1	22 inches (560 mm)*3&4
From latch side	Pull	48 inches (1220 mm)*2	24 inches (610 mm)
From latch side	Push	42 inches (1065 mm)*2	24 inches (610 mm)

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

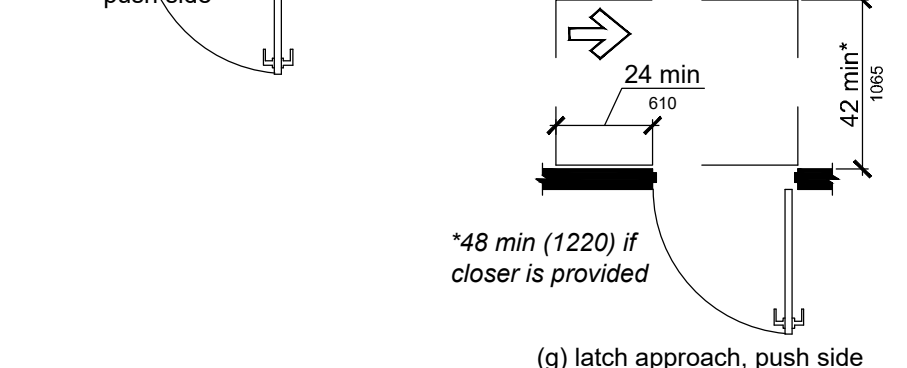
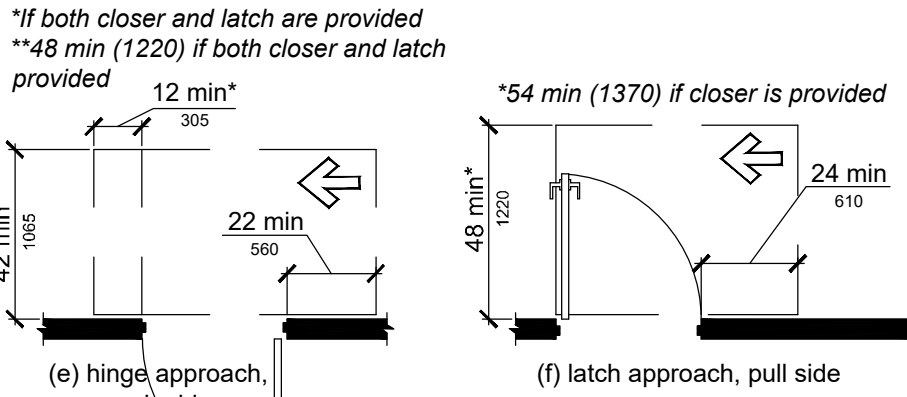
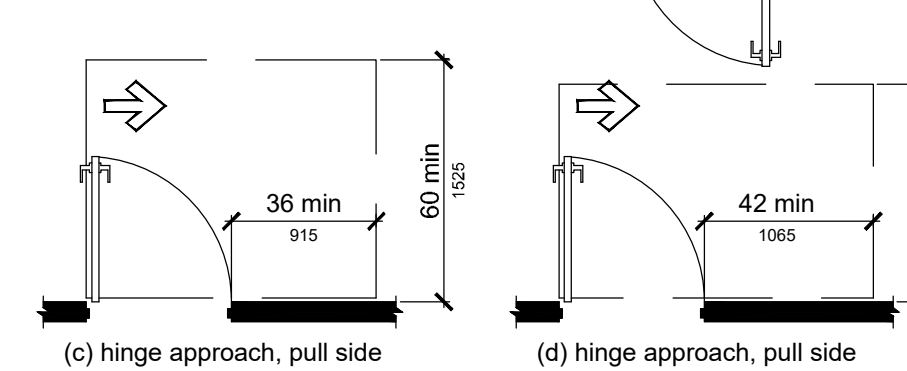
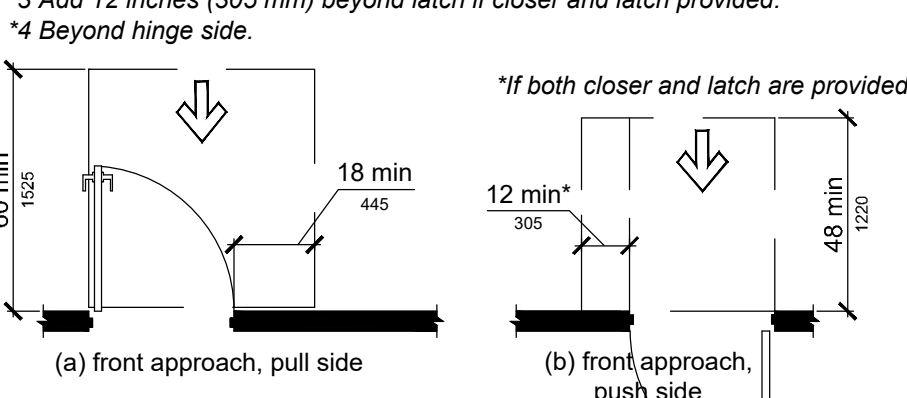


Fig. 404.2.3.2

Maneuvering Clearance at Manual Swinging Doors

404.2.3.3 Sliding and Folding Doors. Sliding doors and folding doors shall have maneuvering clearances complying with Table 404.2.3.3.

Table 404.2.3.3-Maneuvering Clearances at Sliding and Folding Doors			
Approach Direction	MINIMUM MANEUVERING CLEARANCES		
Approach Direction	Perpendicular to Doorway	Parallel to Doorway (beyond stop or latch side unless noted)	
From front	48 inches (1220 mm)	0 inches (0 mm)	
From nonlatch side	42 inches (1065 mm)	22 inches (560 mm)*1	
From latch side	42 inches (1065 mm)	24 inches (610 mm)	

*1 Beyond pocket or hinge side

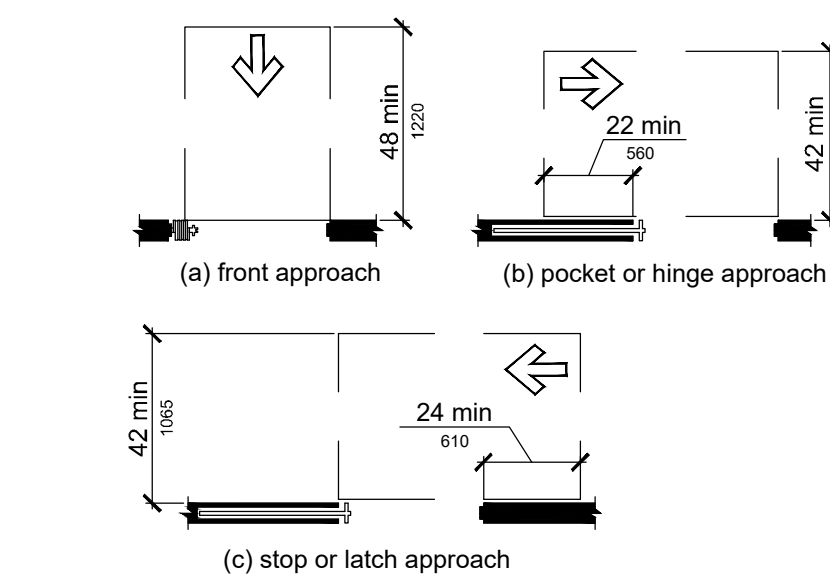


Fig. 404.2.3.3
Maneuvering Clearance at Sliding and Folding Doors

404.2.3.4 Doorways without Doors. Doorways without doors that are less than 36 inches (915 mm) in width shall have maneuvering clearances complying with Table 404.2.3.4.

Table 404.2.3.4-Maneuvering Clearances for Doorways without Doors	
Approach Direction	MINIMUM MANEUVERING CLEARANCES Perpendicular to Doorway
From front	48 inches (1220 mm)
From side	42 inches (1065 mm)

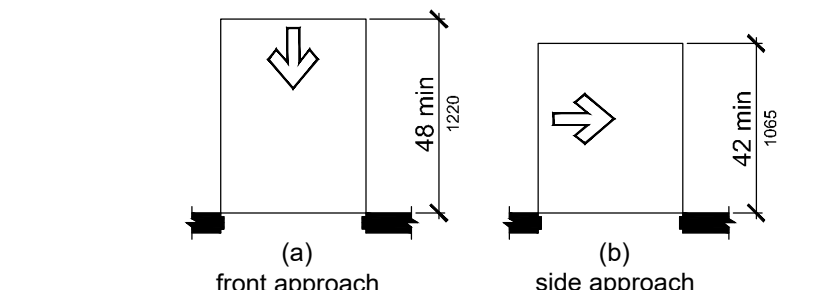


Fig. 404.2.3.4
Maneuvering Clearance at Doorways without Doors

404.2.3.5 Recessed Doors. Where any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door, maneuvering clearances for a forward approach shall be provided.

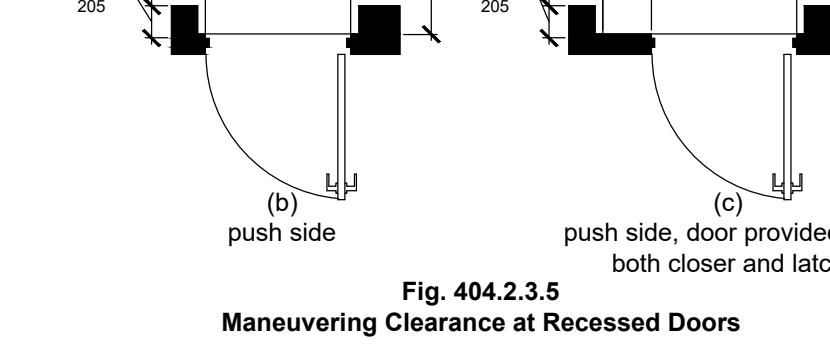
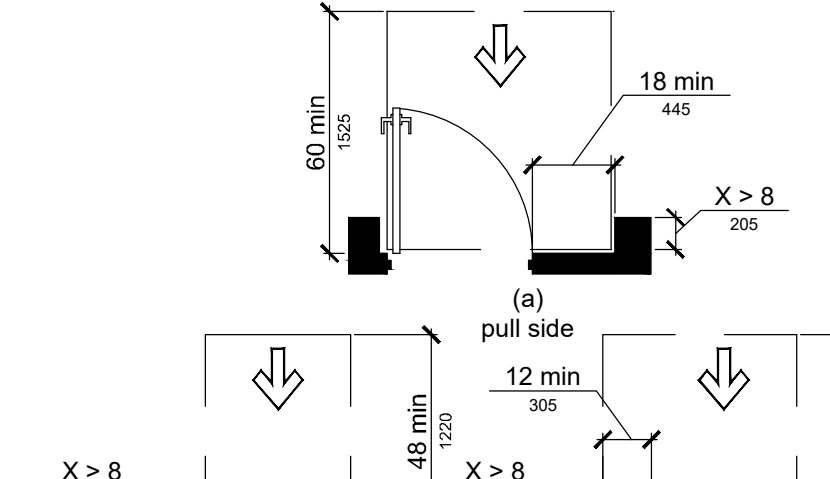


Fig. 404.2.3.5
Maneuvering Clearance at Recessed Doors

404.2.4 Thresholds. If provided, thresholds at doorways shall be 1/2 inch (13 mm) maximum in height. Raised thresholds and changes in level at doorways shall comply with Sections 302 and 303.

EXCEPTION: An existing or altered threshold shall be permitted to be 3/4 inch (19 mm) maximum in height provided that the threshold has a beveled edge on each side with a maximum slope of 1:2 for the height exceeding 3/4 inch (6.4 mm).

404.2.5 Two Doors in Series. Distance between two hinged or pivoted doors in series shall be 48 inches (1220 mm) minimum plus the width of any door swinging into the space. The space between the doors shall provide a turning space complying with Section 304.

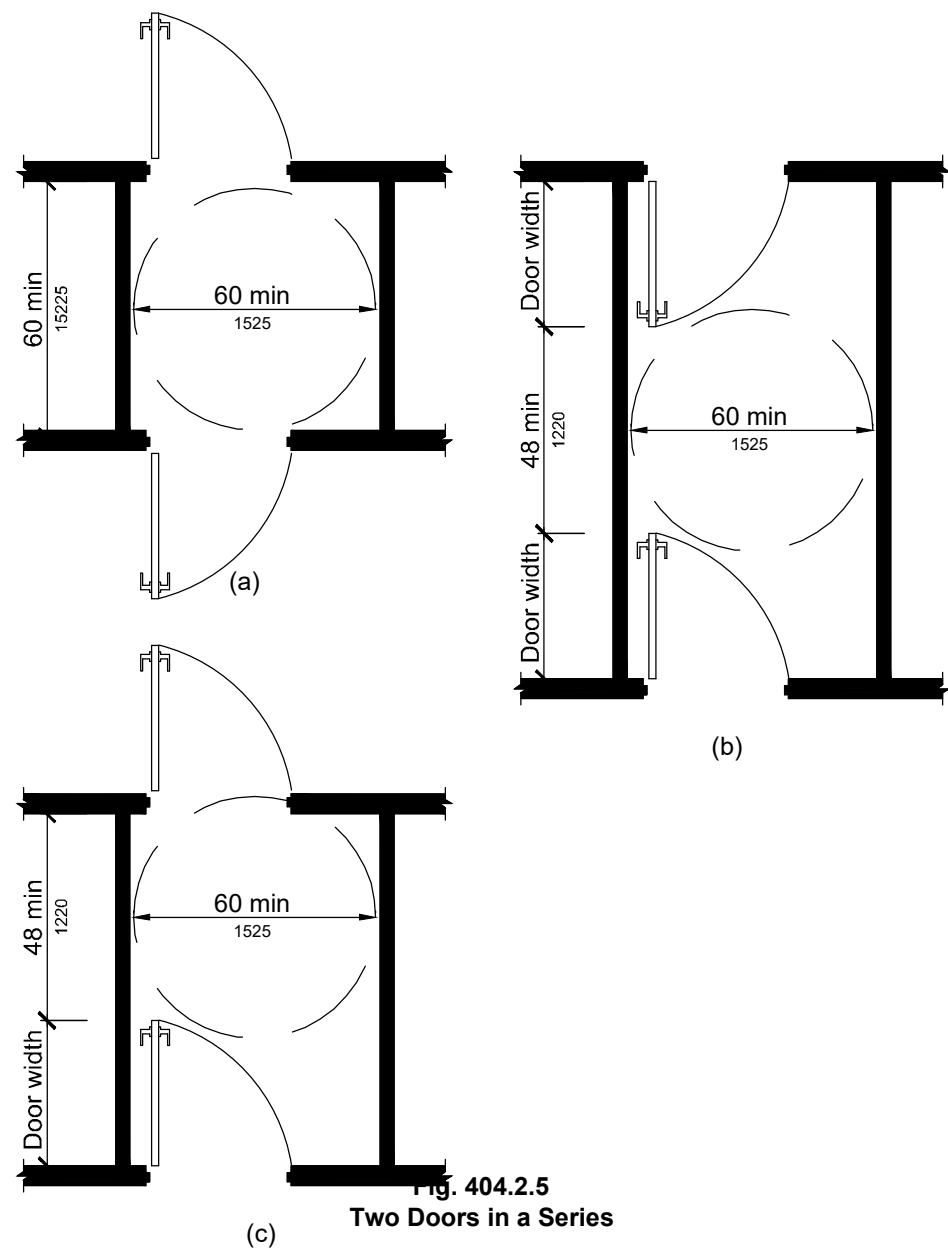


Fig. 404.2.5

Two Doors in Series

404.2.6 Door Hardware. Handles, pulls, latches, locks, and other operable parts on accessible doors shall have a shape that is easy to grasp with one hand and does not require tight grasping, pinching, or twisting of the wrist to operate. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the floor. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

EXCEPTION: Locks used only for security purposes and not used for normal operation are permitted in any location.

404.2.7 Closing Speed.

404.2.7.1 Door Closers. Door closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to an open position of 12 degrees shall be 5 seconds minimum.

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

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

1. Interior hinged door: 5.0 pounds (22.2 N) maximum
2. Sliding or folding door: 5.0 pounds (22.2 N) maximum

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door in a closed position.

404.2.9 Door Surface. Door surfaces within 10 inches (255 mm) of the floor, measured vertically, shall be a smooth surface on: the push side extending the full width of the door. Parts creating horizontal or vertical joints in such surface shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

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

404.2.10 Vision Lites. Doors and sidelites adjacent to doors containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one panel on either the door or an adjacent sidelite 43 inches (1090 mm) maximum above the floor.

EXCEPTION: Vision lites with the lowest part more than 66 inches (1675 mm) above the floor are not required to comply with Section 404.2.10.

404.3 Automatic Doors. Automatic doors and automatic gates shall comply with Section 404.3. Full powered automatic doors shall comply with ANSI/BHMA A 156.10 listed in Section 105.2.4. Power-assist and low-energy doors shall comply with ANSI/BHMA A 156.19 listed in Section 105.2.3.

EXCEPTION: Doors, doorways, and gates designed to be operated only by security personnel shall not be required to comply with Sections 404.3.2, 404.3.4, and 404.3.5.

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

404.3.2 Maneuvering Clearances. Maneuvering clearances at power-assisted doors shall comply with Section 404.2.3.

404.3.3 Thresholds. Thresholds and changes in level at doorways shall comply with Section 404.2.4.

404.3.4 Two Doors in Series. Doors in series shall comply with Section 404.2.5.

404.3.15 Control Switches. Manually operated control switches shall comply with Section 309. The clear floor space adjacent to the control switch shall be located beyond the arc of the door swing.

405 Ramps

405.1 General. Ramps along accessible routes shall comply with Section 405.

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

405.2 Slope. Ramp runs shall have a running slope greater than 1:20 and not steeper than 1:12.

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

405.4 Floor Surfaces. Floor surfaces of ramp runs shall comply with Section 302.

405.5 Clear Width. The clear width of a ramp run shall be 36 inches (915 mm) minimum. Handrails and handrail supports that are provided on the ramp run shall not project into the required clear width of the ramp run.

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

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

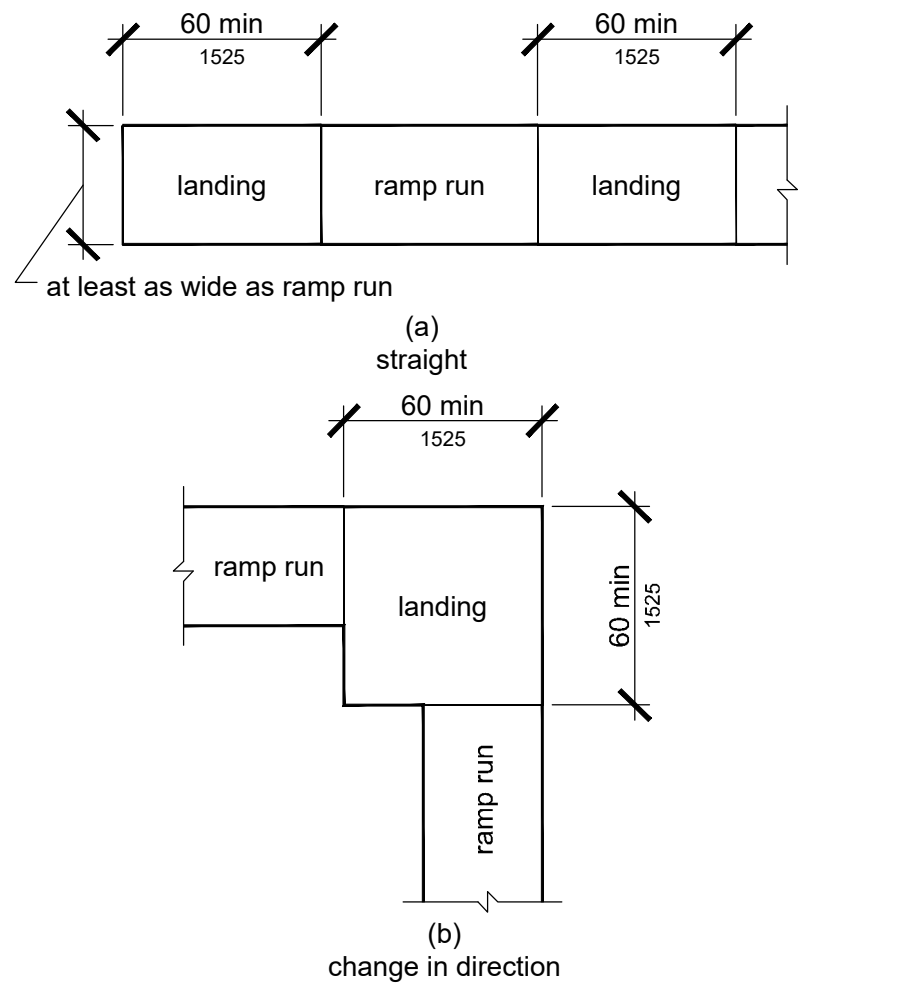


Fig. 405.7
Ramp Landings

405.7.1 Slope. Landings shall have a slope not steeper than 1:48 and shall comply with Section 302.

405.7.2 Width. Clear width of landings shall be at least as wide as the widest ramp run leading to the landing.

405.7.3 Length. Landings shall have a clear length of 60 inches (1525 mm) minimum.

405.7.4 Change in Direction. Ramps that change direction at ramp landings shall be sized to provide a turning space complying with Section 304.3.

405.7.5 Doorways. Where doorways are adjacent to a ramp landing, maneuvering clearances required by Sections 404.2.3 and 404.3.2 shall be permitted to overlap the landing area. Where doors that are subject to locking are adjacent to a ramp landing, landings shall be sized to provide a turning space complying with Section 304.3.

405.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails complying with Section 505.

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

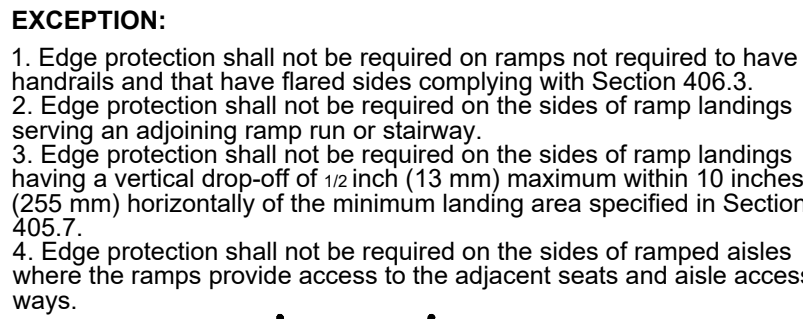


Fig. 405.9.1
Extended Floor Surface

405.9.1 Extended Floor Surface. The floor surface of the ramp run or ramp landing shall extend 12 inches (305 mm) minimum beyond the inside face of a railing complying with Section 505.

405.9.2 Curb or Barrier. A curb complying with Section 405.9.2.1 or a barrier complying with Section 405.9.2.2 shall be provided.

405.9.2.1 Curb. A curb shall be a minimum of 41 inches (100 mm) in height.

405.9.2.2 Barrier. Barriers shall be constructed so that the barrier prevents the passage of a 4-inch (100 mm) diameter sphere where any portion of the sphere is within 4 inches (100 mm) of the floor.

405.10 Wet Conditions. Landings subject to wet conditions shall be designed to prevent the accumulation of water.

Chapter 6. Plumbing Elements-and Facilities

601 General

601.1 Scope. Plumbing elements and facilities required to be accessible by scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 6.

602 Drinking Fountains

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

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

EXCEPTIONS:
1. Drinking fountains for standing persons.
2. Drinking fountains primarily for children's use shall be permitted where the spout is 30 inches (760 mm) maximum above the floor, and a parallel approach complying with Section 305, centered on the drinking fountain, is provided.

602.3 Operable Parts.

Operable parts shall comply with Section 309.

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

602.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the drinking fountain, including bumpers. Where only a parallel approach is provided, the spout shall be located 3 1/2 inches (89 mm) maximum from the front edge of the drinking fountain, including bumpers.

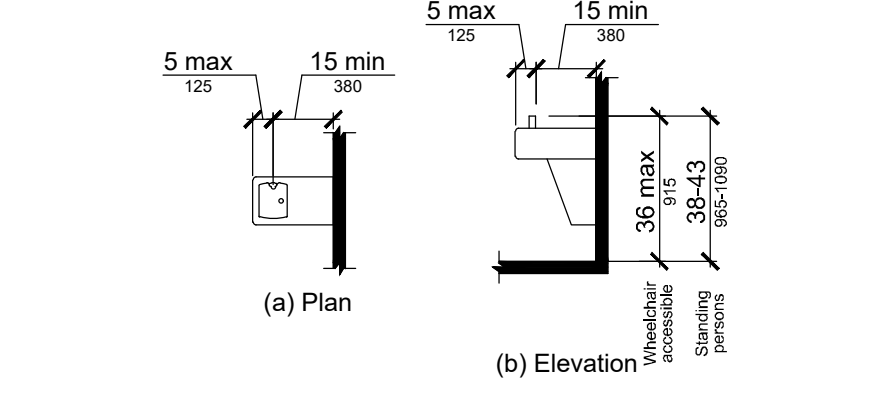


Fig. 602.5
Drinking Fountain Spout Location

602.6 Water Flow. The spout shall provide a flow of water 4 inches (102 mm) minimum in height. The angle of the water stream from spouts within 3 inches (76 mm) of the front of the drinking fountain shall be 30 degrees maximum, and from spouts between 3 inches (76 mm) and 5 inches (125 mm) from the front of the drinking fountain shall be 15 degrees maximum, measured horizontally relative to the front face of the drinking fountain.

603 Toilet and Bathing Rooms

603.1 General. Accessible toilet and bathing rooms shall comply with Section 603.

603.2 Clearances.

603.2.1 Turning Space. A turning space complying with Section 304 shall be provided within the room. The required turning space shall not be provided within a toilet compartment.

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

EXCEPTIONS:
1. Doors to a toilet or bathing room for a single occupant, accessed only through a private office and not for common use or public use shall be permitted to swing into the clear floor space, provided the swing of the door can be reversed to comply with Section 603.2.2.
2. Where the room is for individual use and a clear floor space complying with Section 305.3 is provided within the room beyond the arc of the door swing, the door shall not be required to comply with Section 603.2.2.

603.3 Mirrors. Where mirrors are located above lavatories, a mirror shall be located over the accessible lavatory and shall be mounted with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor. Where mirrors are located above counters that do not contain lavatories, the mirror shall be mounted with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor.

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

604 Water Closets and Toilet Compartments

604.1 General. Accessible water closets and toilet compartments shall comply with Section 604. Compartments containing more than one plumbing fixture shall comply with Section 603. Wheelchair accessible compartments shall comply with Section 604.8. Ambulatory accessible compartments shall comply with Section 604.9.

EXCEPTION: Water closets and toilet compartments primarily for children's use shall be permitted to comply with Section 604.11 as applicable.

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

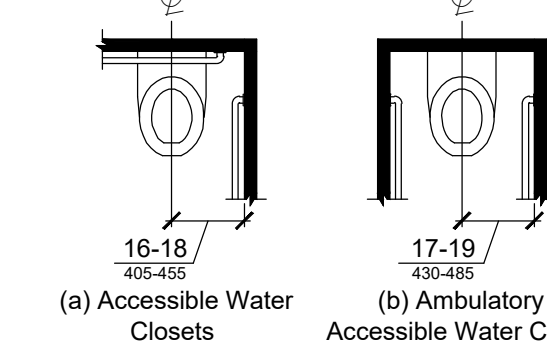


Fig. 604.2
Water Closet Location

604.3 Clearance.

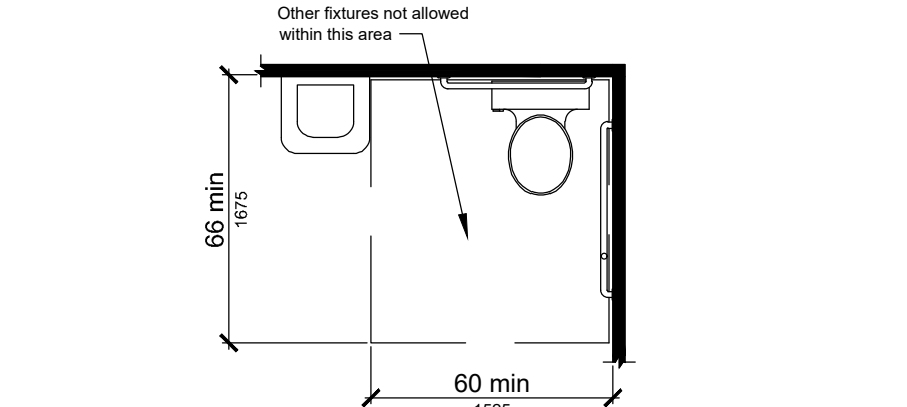


Fig. 604.3
Size of Clearance for Water Closet

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

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

604.3.3 Clearance Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, paper dispensers, sanitary napkin receptacles, coat hooks, shelves, accessible routes, clear floor space at other fixtures and the turning space. No other fixtures or obstructions shall be within the required water closet clearance.

604.4 Height. The height of water closet seat shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the floor, measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

EXCEPTION: 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 Section 604.4.

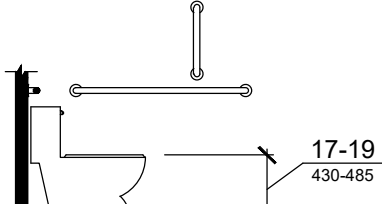


Fig. 604.4
Water Closet Height

Accessible and Useable Buildings and Facilities
per ICC A117.1-2009

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

EXCEPTIONS:

1. The rear grab bar shall be permitted to be 24 inches (610 mm) minimum in length, centered on the water closet, where wall space does not permit a grab bar 36 inches (915 mm) minimum in length due to the location of a recessed fixture adjacent to the water closet.

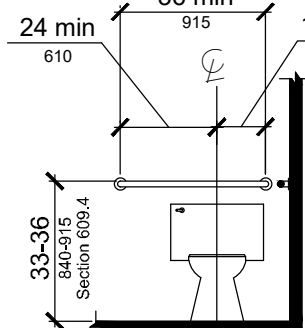


Fig. 604.5.2
Rear Wall Grab Bar for Water Closet

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

EXCEPTION: In ambulatory accessible compartments complying with Section 604.10, flush controls shall be permitted to be located on either side of the water closet.

604.7 Dispensers. Toilet paper dispensers shall comply with Section 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 floor, and shall not be located behind the grab bars. Dispensers shall not be of a type that control delivery, or do not allow continuous paper flow.

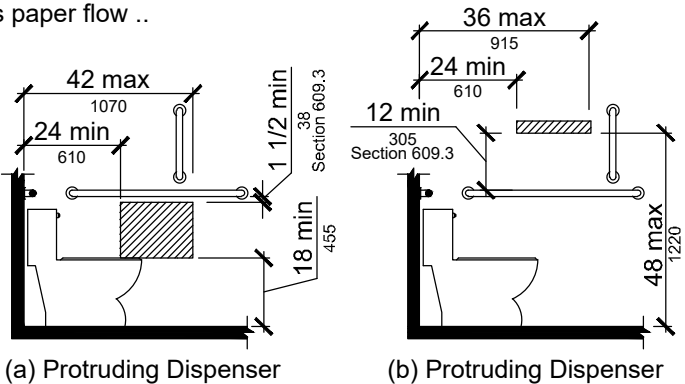
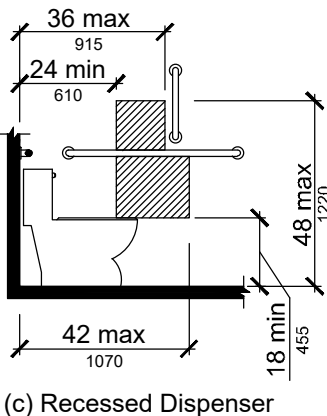


Fig. 604.7
Dispenser Outlet Location



604.9 Wheelchair Accessible Compartments

604.9.1 General. Wheelchair accessible compartments shall comply with Section 604.9.

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

604.9.2.1 Minimum area. The minimum area of a wheelchair accessible compartment shall be 60 inches (1525 mm) minimum in width measured perpendicular to the side wall, and 56 inches (1420 mm) minimum in depth for wall hung water closets, and 59 inches (1500 mm) minimum in depth for floor mounted water closets measured perpendicular to the rear wall.

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

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

604.9.3.1 Door Opening Location. The farthest edge of toilet compartment door opening shall be located in the front wall or partition or in the side wall or partition as required by Table 604.9.3.1.

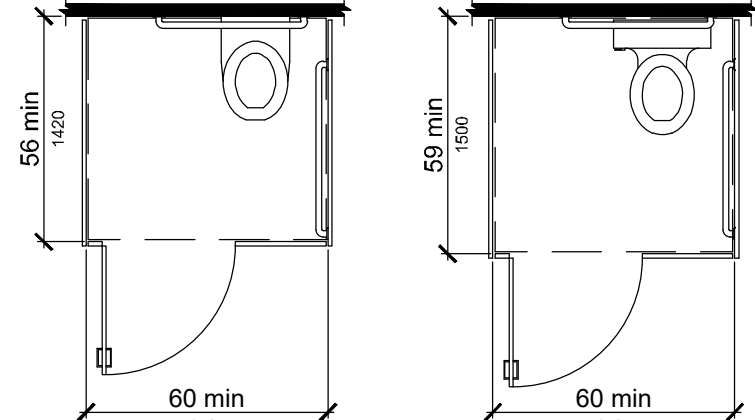


Fig. 604.9.2
Wheelchair Accessible Toilet Compartments

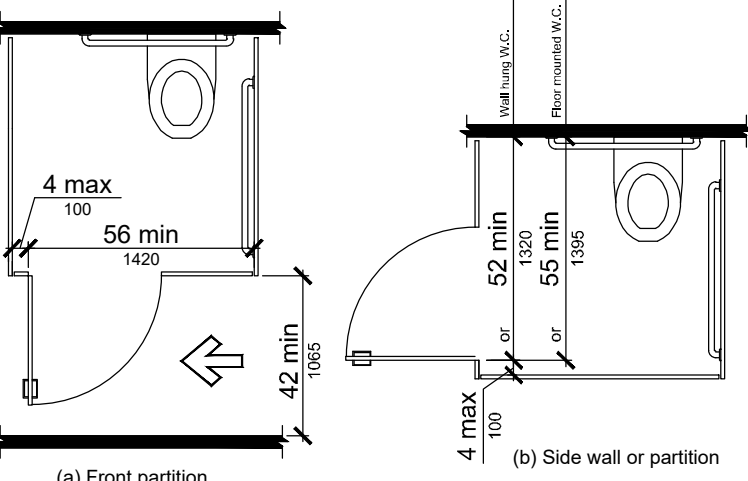


Fig. 604.9.3
Wheelchair Accessible Compartment Doors

604.9.4 Approach. Wheelchair accessible compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.9.5 Toe Clearance. Toe clearance for compartments primarily for children's use shall comply with Section 604.9.5.2. Toe clearance for other wheelchair accessible compartments shall comply with Section 604.9.5.1.

604.9.5.1 Toe Clearance at Compartments. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the floor and extending 6 inches (150 mm) beyond the compartment side face of the partition, exclusive of partition support members.

EXCEPTIONS:

1. Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) in depth with a wall-hung water closet, or greater than 65 inches (1650 mm) in depth with a floor-mounted water closet.
2. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) in width.

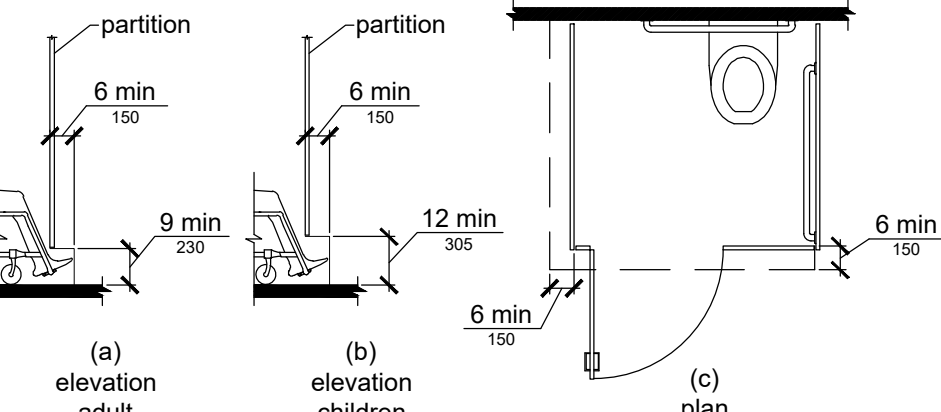


Fig. 604.9.5
Wheelchair Accessible Compartment Toe Clearance

604.9.6 Grab Bars. Grab bars shall comply with Section 609. Side wall grab bars complying with Section 604.5.1 located on the wall closest to the water closet, and a rear wall grab bar complying with Section 604.5.2, shall be provided.

605 Urinals

605.1 General. Accessible urinals shall comply with Section 605.

605.2 Height and Depth. Urinals shall be of the stall type or shall be of the wall hung type with the rim at 17 inches (430 mm) maximum above the floor. Wall hung urinals shall be 1 1/2 inches (345 mm) minimum in depth measured from the outer face of the urinal rim to the wall.

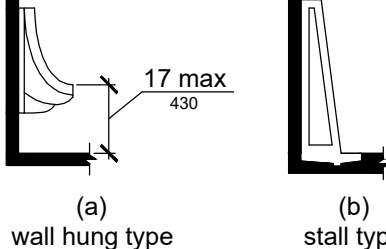


Fig. 605.2
Height of Urinals

605.3 Clear Floor Space. A clear floor space complying with Section 305, positioned for forward approach, shall be provided.

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 309.

606 Lavatories and Sinks

606.1 General. Accessible lavatories and sinks shall comply with Section 606.

606.2 Clear Floor Space. A clear floor space complying with Section 305.3, positioned for forward approach, shall be provided. Knee and toe clearance complying with Section 306 shall be provided. The dip of the overflow shall not be considered in determining knee and toe clearances.

EXCEPTIONS:

1. A parallel approach complying with Section 305 shall be permitted to a kitchen sink in a space where a cook top or conventional range is not provided.
2. The requirement for knee and toe clearance shall not apply to a lavatory in a toilet and bathing facility for a single occupant, accessed only through a private office and not for common use or public use.
3. A knee clearance of 24 inches (610 mm) minimum above the floor shall be permitted at lavatories and sinks used primarily by children ages 6 through 12 where the rim or counter surface is 31 inches (785 mm) maximum above the floor.
4. A parallel approach complying with Section 305 shall be permitted at lavatories and sinks used primarily by children ages 5 and younger.
5. The requirement for knee and toe clearance shall not apply to more than one bowl of a multi-bowl sink.
6. A parallel approach complying with Section 305 and centered on the sink, shall be permitted at wet bars.

606.3 Height. The front of lavatories and sinks shall be 34 inches (865 mm) maximum above the floor, measured to the higher of the rim or counter surface.

EXCEPTION: A lavatory in a toilet or bathing facility for a single occupant, accessed only through a private office and not for common use or public use, shall not be required to comply with Section 606.3.

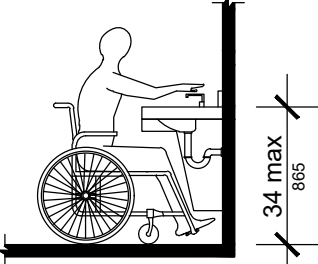


Fig. 606.3
Height of Lavatories and Sinks

606.4 Faucets. Faucets shall comply with Section 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

606.5 Lavatories with Enhanced Reach Range. Where enhanced reach range is required at lavatories, faucets and soap dispenser controls shall have a reach depth of 11 inches (280 mm) maximum or, if automatic, shall be activated within a reach depth of 11 inches (280 mm) maximum. Water and soap flow shall be provided with a reach depth of 11 inches (280 mm) maximum.

606.6 Exposed Pipes and Surfaces. Water supply and drainpipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

607 Bathtubs

607.1 General. Accessible bathtubs shall comply with Section 607.

607.2 Clearance. A clearance in front of bathtubs extending the length of the bathtub and 30 inches (760 mm) minimum in depth shall be provided. Where a permanent seat is provided at the head end of the bathtub, the clearance shall extend 12 inches (305 mm) minimum beyond the wall at the head end of the bathtub.

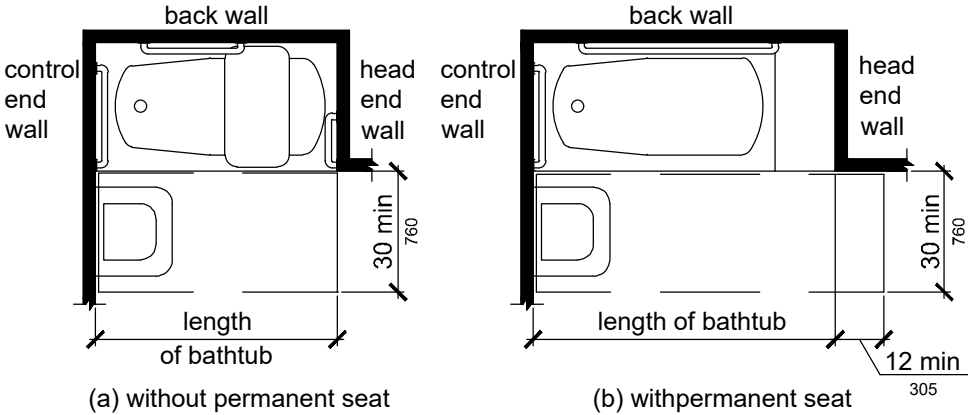


Fig. 607.2
Clearance for Bathtubs

607.3 Seat. A permanent seat at the head end of the bathtub or a removable in-tub seat shall be provided. Seats shall comply with Section 610.

607.4 Grab Bars. Grab bars shall comply with Section 609 and shall be provided in accordance with Section 607.4.1 or 607.4.2.

EXCEPTIONS:

1. Grab bars shall not be required to be installed in a bathing facility for a single occupant accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with Section 607.4.

607.4.1 Bathtubs with Permanent Seats. For bathtubs with permanent seats, grab bars complying with Section 607.4.1 shall be provided.

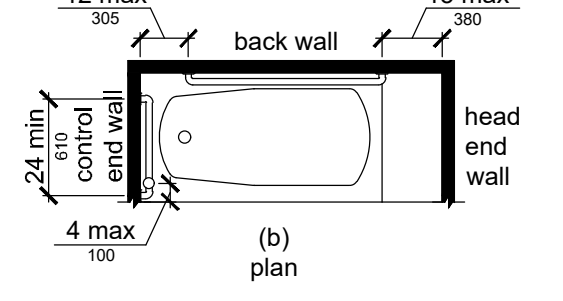
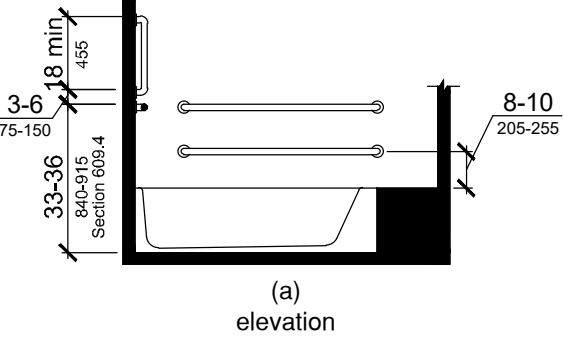


Fig. 607.4.1
Grab Bars for Bathtubs with Permanent Seats

607.4.1.1 Back Wall. Two horizontal grab bars shall be provided on the back wall, one complying with Section 609.4 and the other located 8 inches (205 mm) minimum and 10 inches (255 mm) maximum above the rim of the bathtub. Each grab bar shall be located 15 inches (380 mm) maximum from the head end wall and extend to 12 inches (305 mm) maximum from the control end wall.

607.4.1.2 Control End Wall. Control end wall grab bars shall comply with Section 607.4.1.2.

EXCEPTION: An L-shaped continuous grab bar of equivalent dimensions and positioning shall be permitted to serve the function of separate vertical and horizontal grab bars.

607.4.1.2.1 Horizontal Grab Bar. A horizontal grab bar 24 inches (610 mm) minimum in length shall be provided on the control end wall beginning near the front edge of the bathtub and extending toward the inside corner of the bathtub.

607.4.1.2.2 Vertical Grab Bar. A vertical grab bar 18 inches (455 mm) minimum in length shall be provided on the control end wall 3 inches (75 mm) minimum to 6 inches (150 mm) maximum above the horizontal grab bar, and 4 inches (100 mm) maximum inward from the front edge of the bathtub.

607.4.2 Bathtubs without Permanent Seats. For bathtubs without permanent seats, grab bars complying with Section 607.4.2 shall be provided.

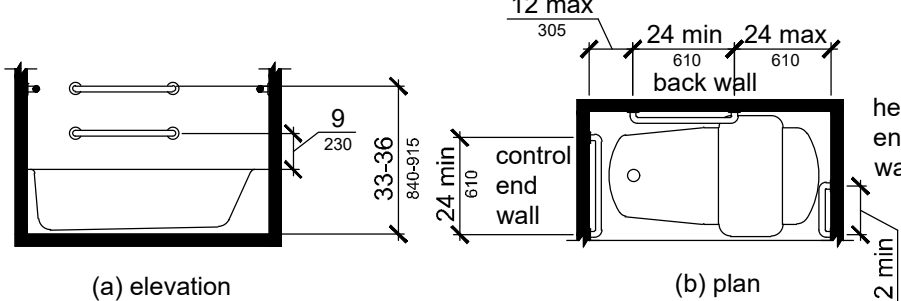


Fig. 607.4.2
Grab Bars for Bathtubs without Permanent Seats

607.4.2.1 Back Wall. Two horizontal grab bars shall be provided on the back wall, one complying with Section 609.4 and the other located 8 inches (205 mm) and 10 inches (255 mm) maximum above the rim of the bathtub. Each grab bar shall be 24 inches (610 mm) minimum in length, located 24 inches (610 mm) maximum from the head end wall and extend to 12 inches (305 mm) maximum from the control end wall.

607.4.2.2 Control End Wall. Control end wall grab bars shall comply with Section 607.4.1.2.

607.4.2.3 Head End Wall. A horizontal grab bar 12 inches (305 mm) minimum in length shall be provided on the head end wall at the front edge of the bathtub.

607.5 Controls. Controls, other than drain stoppers, shall be provided on an end wall, located between the bathtub rim and grab bar, and between the open side of the bathtub and the centerline of the width of the bathtub. Controls shall comply with Section 309.4.

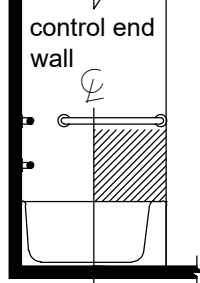


Fig. 607.5
Location of Bathtub Controls

607.6 Hand Shower. A hand shower with a hose 59 inches (1500 mm) minimum in length, that can be used as both a fixed shower head and as a hand shower, shall be provided. The hand shower shall have a control with a non-positive shut-off feature. Where provided, an adjustable-height hand shower mounted on a vertical bar shall be installed so as to not obstruct the use of grab bars.

607.7 Bathtub Enclosures. Enclosures for bathtubs shall not obstruct controls, faucets, shower and spray units or obstruct transfer from wheelchairs onto bathtub seats or into bathtubs. Enclosures on bathtubs shall not have tracks installed on the rim of the bathtub.

608 Shower Compartments

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

608.2 Size, clearance and seat. Shower compartments shall have sizes, clearances and seats complying with Section 608.2.

608.2.1 Transfer-type Shower Compartments. Transfer-type shower compartments shall comply with Section 608.2.1.

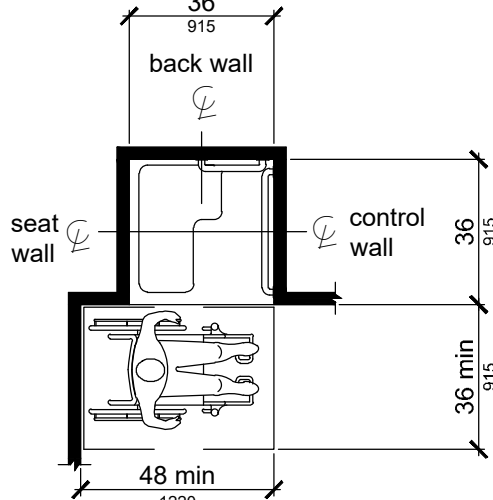


Fig. 608.2.1
Transfer-Type Shower Compartment Size and Clearance

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

608.2.1.2 Clearance. A clearance of 48 inches (1220 mm) minimum in length measured perpendicular from the control wall, and 36 inches (915 mm) minimum in depth shall be provided adjacent to the open face of the compartment.

608.2.1.3 Seat. A folding or non-folding seat complying with Section 610 shall be provided on the wall opposite the control wall.

Exception: A seat is not required to be installed in a shower for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of a shower seat.

608.2.2 Standard Roll-in-type Shower Compartments. Standard roll-in-type shower compartments shall comply with Section 608.2.2.

608.2.2.1 Size. Standard roll-in-type shower compartments shall have a clear inside dimension of 60 inches (1525 mm) minimum in width and 30 inches (760 mm) minimum in depth, measured at the center point of opposing sides. An entry 60 inches (1525 mm) minimum in width shall be provided.

608.2.2.2 Clearance. A clearance of 60 inches (1525 mm) minimum in length adjacent to the 60 inch (1525 mm) width of the open face of the shower compartment, and 30 inches (760 mm) minimum in depth, shall be provided.

EXCEPTION: A lavatory complying with Section 606 shall be permitted at the end of the clearance opposite the seat.

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

EXCEPTIONS:

1. A seat is not required to be installed in a shower for a single occupant accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of a shower seat.
2. A fixed seat shall be permitted where the seat does not overlap the minimum clear inside dimension required by Section 608.2.2.1.

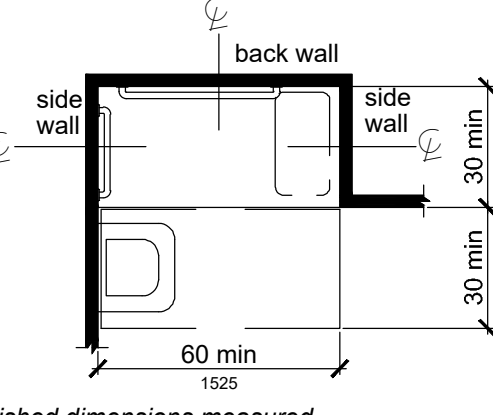


Fig. 608.2.2
Standard Roll-in-Type Shower Compartment Size and Clearance

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

608.2.3.1 Size. Alternate roll-in shower compartments shall have a clear inside dimension of 60 inches (1525 mm) minimum in width, and 36 inches (915 mm) in depth, measured at the center point of opposing sides. An entry 36 inches (915 mm) minimum in width shall be provided at one end of the 60-inch (1525 mm) width of the compartment. A seat wall, 24 inches (610 mm) minimum and 36 inches (915 mm) maximum in length, shall be provided on the entry side of the compartment.

608.2.3.2 Seat. A folding seat complying with Section 610 shall be provided on the seat wall opposite the back wall.

EXCEPTION: A seat is not required to be installed in a shower for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of a shower seat.

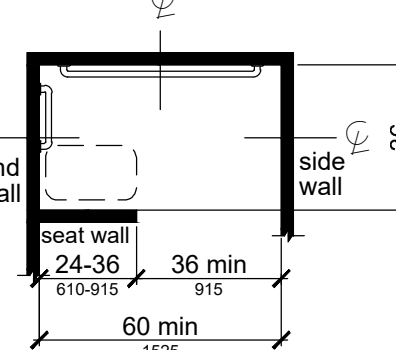


Fig. 608.2.3
Alternate Roll-in-Type Shower Compartment Size and Clearance

608.3 Grab Bars. Grab bars shall comply with Section 609 and shall be provided in accordance with Section 608.3. Where multiple grab bars are used, required horizontal grab bars shall be installed at the same height above the floor.

EXCEPTIONS:

1. Grab bars are not required to be installed in a shower facility for a single occupant, accessed only through a private office and not for common use or public use, provided reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with Section 608.3.

608.3.1 Transfer-Type Showers. Grab bars for transfer type showers shall comply with Section 608.3.1.

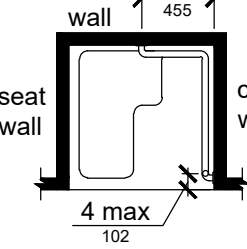


Fig. 608.3.1
Grab Bars in Transfer-Type Showers

608.3.1.1 Horizontal Grab Bars. Horizontal grab bars shall be provided across the control wall and on the back wall to a point 18 inches (455 mm) from the control wall.

608.3.1.2 Vertical Grab Bar. A vertical grab bar 18 inches (455 mm) minimum in length shall be provided on the control end wall 3 inches (75 mm) minimum to 6 inches (150 mm) maximum above the horizontal grab bar, and 4 inches (100 mm) maximum inward from the front edge of the shower.

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

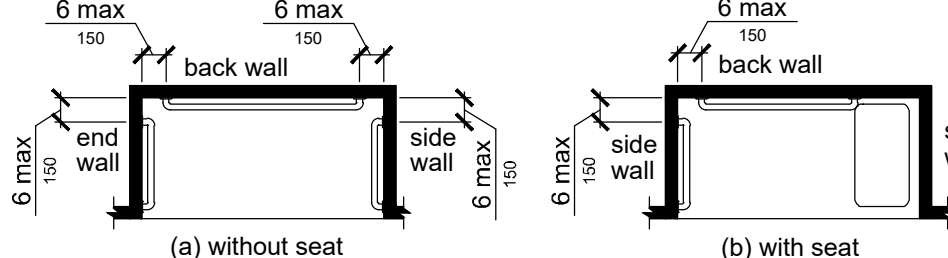


Fig. 608.3.2
Grab Bars in Standard Roll-in-Type Showers

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

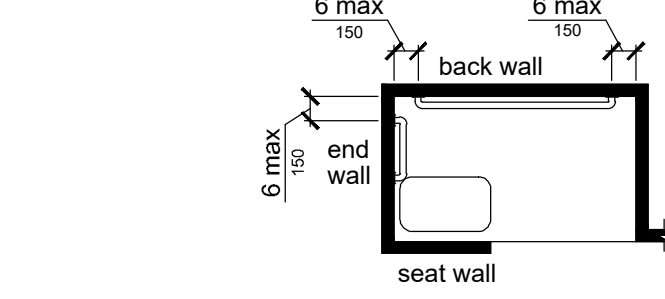


Fig. 608.3.3
Grab Bars in Alternate Roll-in-Type Showers

608.4 Controls and Hand Showers. Controls and hand showers shall comply with Sections 608.4 and 309.4.

608.4.1 Transfer-Type Showers. In transfer-type showers, the controls and hand shower shall be located on the control wall opposite the seat, 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower floor, within 15 inches (380 mm), left or right of the centerline of the seat.

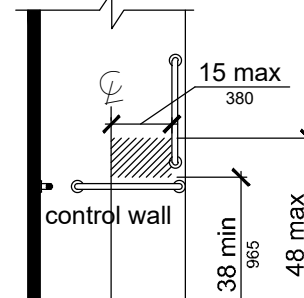


Fig. 608.4.1
Transfer-Type Shower Controls and Handshowers Location

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

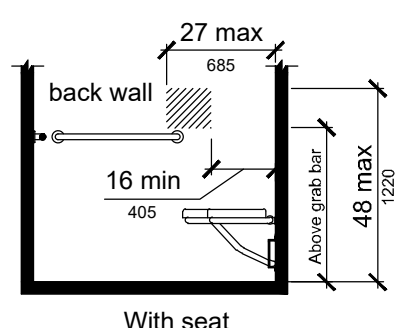


Fig. 608.4.2
Standard Roll-in-Type Shower Control and Handshower Location

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

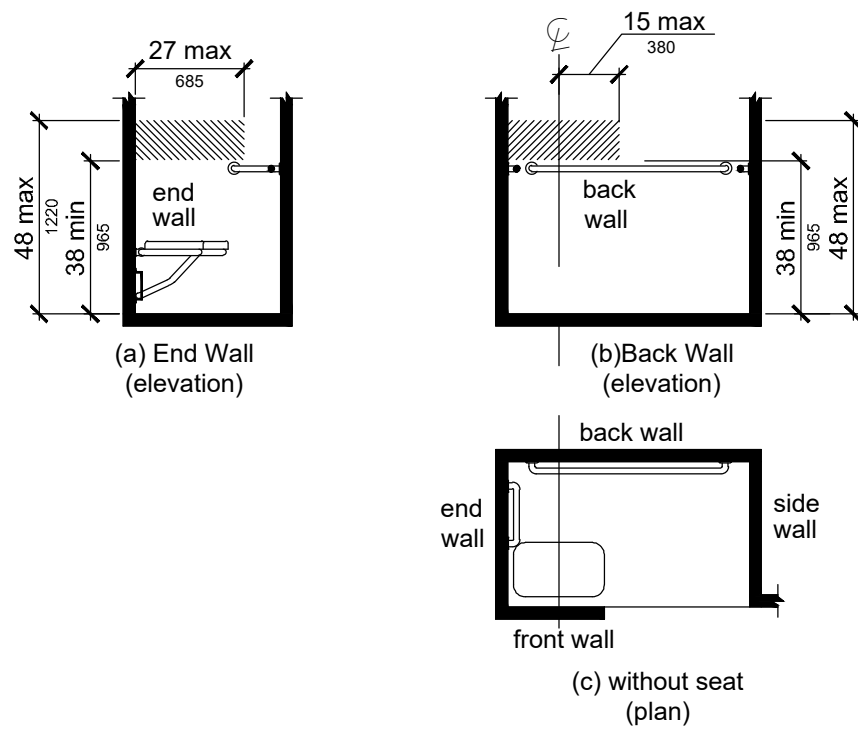


Fig. 608.4.3
Alternate Roll-in-Type Shower Control and Handshower location

608.5 Hand Showers. A hand shower with a hose 59 inches (1500mm) minimum in length, that can be used both as a fixed shower head and as a hand shower, shall be provided. The hand shower shall have a control with a nonpositive shut-off feature. Where provided, an adjustable-height hand shower mounted on a vertical bar shall be installed so as to not obstruct the use of grab bars.

EXCEPTION: In other than Accessible units and Type A units, a fixed shower head located 48 inches (1220 mm) maximum above the shower floor shall be permitted in lieu of a hand shower.

608.7 Thresholds. Thresholds in roll-in-type shower compartment shall be 1/2 inch (13 mm) maximum in height in accordance with Section 303. In transfer-type shower compartments, thresholds 1/2 inch (13 mm) maximum in height shall be beveled, rounded, or vertical.

EXCEPTION: In existing facilities, in transfer-type shower compartments where provision of a threshold 1/2 inch (13 mm) in height would disturb the structural reinforcement of the floor slab, a threshold 2 inches (51 mm) maximum in height shall be permitted.

608.7 Shower Enclosures. Shower compartment enclosures for shower compartments shall not obstruct controls or obstruct transfer from wheelchairs onto shower seats.

609 Grab Bars

609.1 General. Grab bars in accessible toilet or bathing facilities shall comply with Section 609.

609.2 Cross Section. Grab bars shall have a cross section complying with Section 609.2.1 or 609.2.2.

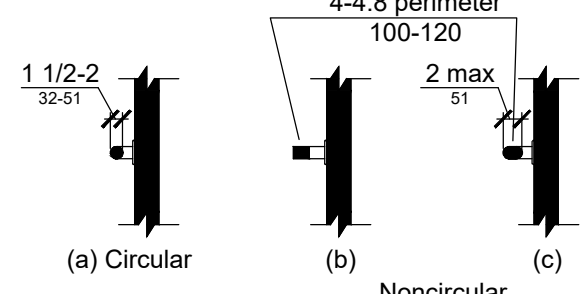


Fig. 609.2
Size of Grab Bars

609.2.1 Circular Cross Section. Grab bars with a circular cross section shall have an outside diameter of 1 1/4 inch (32 mm) minimum and 2 inches (51 mm) maximum.

609.2.2 Noncircular Cross Section. Grab bars with a noncircular cross section shall have a cross section dimension of 2 inches (51 mm) maximum, and a perimeter dimension of 4 inches (102 mm) minimum and 4.8 inches (122 mm) maximum.

609.3 Spacing. The space between the wall and the grab bar shall be 1112 inches (38 mm). The space between the grab bar and projecting objects below and at the ends of the grab bar shall be 11/2 inches (38 mm) minimum. The space between the grab bar and projecting objects above the grab bar shall be 12 inches (305 mm) minimum.

EXCEPTIONS:

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

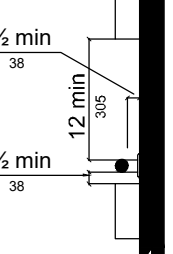


Fig. 609.3
Spacing of Grab Bars

609.4 Position of Grab Bars.

609.4.1 General. Grab bars shall be installed in a horizontal position, 33 inches (840 mm) minimum and 36 inches (915 mm) maximum above the floor measured to the top of the gripping surface or shall be installed as required by Items 1 through 3.

1. The lower grab bar on the back wall of a bathtub shall comply with Section 607.4.1.1 or 607.

Accessible and Useable Buildings and Facilities
per ICC A117.1-2009

609.8 Structural Strength. 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 is applied at any point on the grab bar, fastener mounting device, or supporting structure.

610 Seats

610.1 General. Seats in accessible bathtubs and shower compartments shall comply with Section 610.

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

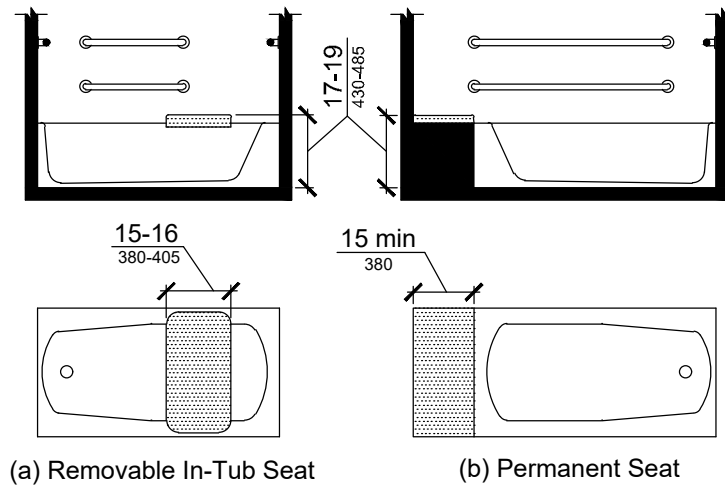


Fig. 610.2
Bathtub Seats

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

610.3.1 Rectangular Seats. The rear edge of a rectangular seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum to 16 inches (405 mm) maximum from the seat wall. The side edge of the seat shall be 1 1/2 inches (38 mm) maximum from the back wall of a transfer-type shower and 1 1/2 inches (38 mm) maximum from the control wall of a roll-in-type shower.

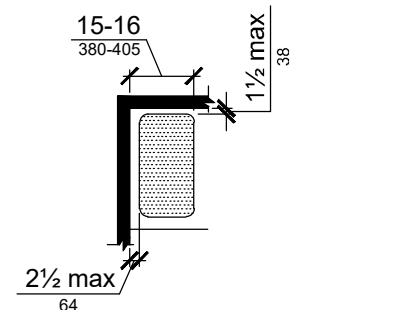


Fig. 610.3.1
Rectangular Shower Compartment Seat

610.3.2 L-Shaped Seats. The rear edge of an L-shaped seat shall be 2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum to 16 inches (405 mm) maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 11/2 inches (38 mm) maximum from the wall and the front edge shall be 14 inches (355 mm) minimum and 15 inches (380 mm) maximum from the wall. The end of the "L" shall be 22 inches (560 mm) minimum and 23 inches (585 mm) maximum from the main seat wall.

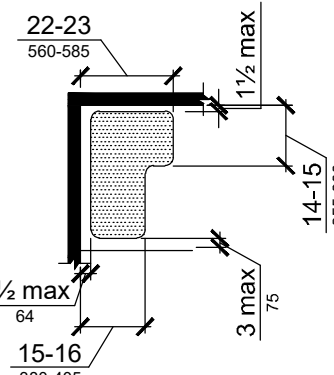


Fig. 610.3.2
L-Shaped Shower Compartment Seat

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

611 Washing Machines and Clothes Dryers

611.1 General. Accessible washing machines and clothes dryers shall comply with Section 611.

611.2 Clear Floor Space. A clear floor space complying with Section 305, positioned for parallel approach shall be provided. The clear floor space shall be centered on the appliance. For front loading machines, the centerline of the clear floor space shall be offset 24 inches (610 mm) maximum from the centerline of the door opening.

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

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

Chapter 8. Special Rooms and Spaces

801 General

801.1 Scope. Special rooms and spaces required to be accessible by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 8.

803 Dressing, Fitting, and Locker Rooms

803.1 General. Accessible dressing, fitting, and locker rooms shall comply with Section 803.

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

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

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

803.5 Coat Hooks and Shelves. Accessible coat hooks provided within the room shall accommodate a forward reach or side reach complying with Section 308. Where provided, a shelf shall be 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the floor.

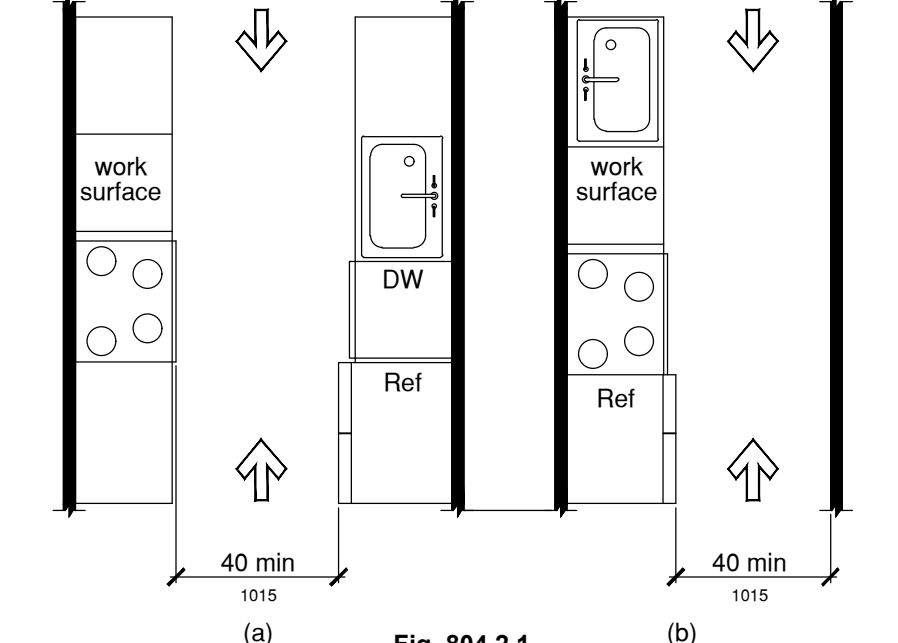
804 Kitchens and Kitchenettes

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

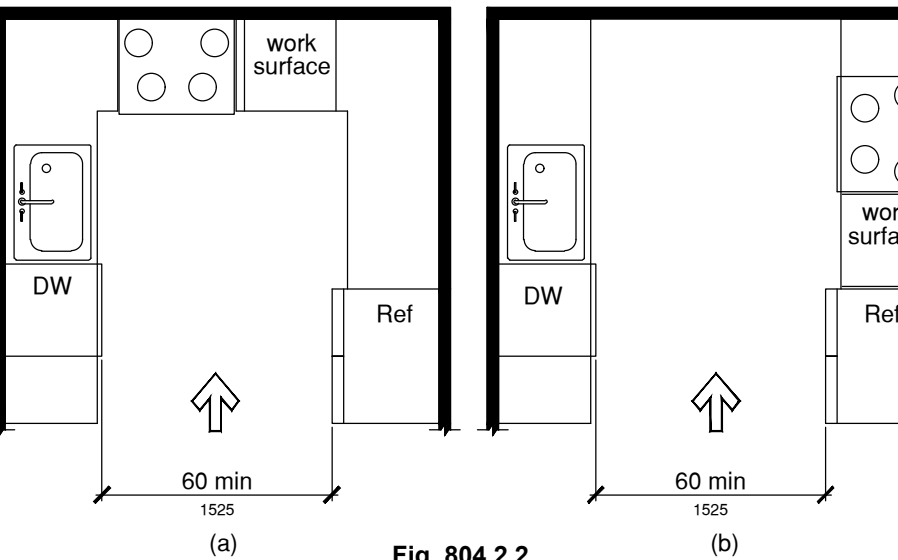
804.2 Clearance. Where a pass-through kitchen is provided, clearances shall comply with Section 804.2.1. Where a U-shaped kitchen is provided, clearances shall comply with Section 804.2.2.

EXCEPTION: Spaces that do not provide a cooktop or conventional range shall not be required to comply with Section 804.2 provided there is a 40-inch (1015 mm) minimum clearance between all opposing base cabinets, counter tops, appliances, or walls within work areas.

804.2.1 Pass-through Kitchens. In pass-through kitchens where counters, appliances or cabinets are on two opposing sides, or where counters, appliances or cabinets are opposite a parallel wall, clearance between all opposing base cabinets, counter tops, appliances, or walls within kitchen work areas shall be 40 inches (1015 mm) minimum. Pass-through kitchens shall have two entries.



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



804.3 Work Surface. At least one work surface shall be provided in accordance with Section 902.

EXCEPTION: Spaces that do not provide a cooktop or conventional range shall not be required to provide an accessible work surface.

804.4 Sinks. The sink shall comply with Section 606.

804.5 Appliances. Where provided, kitchen appliances shall comply with Section 804.5.

804.5.1 Clear Floor Space. A clear floor space complying with Section 305 shall be provided at each kitchen appliance.

804.5.2 Operable Parts. All appliance controls shall comply with Section 309.

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

804.5.3 Dishwasher. A clear floor space positioned adjacent to the dishwasher door, shall be provided. The dishwasher door in the open position shall not obstruct the clear floor space for the dishwasher or an adjacent sink.

804.5.4 Cooktop. Cooktops shall comply with Section 804.5.4.

804.5.4.1 Approach. A clear floor space, positioned for a parallel or forward approach to the cooktop, shall be provided.

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

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

804.5.4.4 Controls. The location of controls shall not require reaching across burners.

804.5.5 Oven. Ovens shall comply with Section 804.5.5.

804.5.5.1 Clear floor space. A clear floor space shall be provided. The oven door in the open position shall not obstruct the clear floor space for the oven.

804.5.5.2 Side-Hinged Door Ovens. Side-hinged door ovens shall have a work surface complying with Section 804.3 positioned adjacent to the latch side of the oven door.

804.5.5.3 Bottom-Hinged Door Ovens. Bottom-hinged door ovens shall have a work surface complying with Section 804.3 positioned adjacent to one side of the door.

804.5.5.4 Controls. The location of controls shall not require reaching across burners.

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

Chapter 9. Built-In Furnishings and Equipment

901 General

901.1 Scope. Built-in furnishings and equipment required to be accessible by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 9.

902 Dining Surfaces and Work Surfaces

902.1 General. Accessible dining surfaces and work surfaces shall comply with Section 902.

EXCEPTION: Dining surfaces and work surfaces primarily for children's use shall be permitted to comply with Section 902.4.

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

EXCEPTIONS:
1. At drink surfaces 12 inches (305 mm) or less in depth, knee and toe space shall not be required to extend beneath the surface beyond the depth of the drink surface provided.
2. Dining surfaces that are 15 inches (380 mm) minimum and 24 inches (610 mm) maximum in height are permitted to have a clear floor space complying with Section 305 positioned for a parallel approach.

902.3 Exposed Surfaces. There shall be no sharp or abrasive surfaces under the exposed portions of dining surfaces and work surfaces.

902.4 Height. The tops of dining surfaces and work surfaces shall be 28 inches (710 mm) minimum and 34 inches (865 mm) maximum in height above the floor.

905 Storage Facilities

905.1 General. Accessible storage facilities shall comply with Section 905.

905.2 Clear Floor Space. A clear floor space complying with Section 305 shall be provided.

905.3 Height. Accessible storage elements shall comply with at least one of the reach ranges specified in Section 308.

905.4 Operable Parts. Operable parts of storage facilities shall comply with Section 309.

Chapter 10. Dwelling Units and Sleeping Units

1001 General

1001.1 Scoping. Dwelling units and sleeping units required to be Accessible units, Type A units, Type B units, Type C (visible) or units with accessible communication features by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 10.

1002 Accessible Units

1002.1 General. Accessible units shall comply with Section 1002.

1002.2 Primary Entrance. The accessible primary entrance shall be on an accessible route from public and common areas. The primary entrance shall not be to a bedroom unless it is the only entrance.

1002.3 Accessible Route. Accessible routes within Accessible units shall comply with Section 1002.3.

1002.3.1 Location. At least one accessible route shall connect all spaces and elements that are a part of the unit. Accessible routes shall coincide with or be located in the same area as a general circulation path.

EXCEPTION: An accessible route is not required to attics and basements that are part of the unit.

1002.3.2 Turning Space. All rooms served by an accessible route shall provide a turning space complying with Section 304.

EXCEPTIONS:
1. A turning space shall not be required in toilet rooms and bathrooms that are not required to comply with Section 1002.11.2.
2. A turning space is not required within closets or pantries that are 48 inches (1220 mm) maximum in depth.

1002.3.3 Components. Accessible routes shall consist of one or more of the following elements: walking surfaces with a slope not steeper than 1:20, doors and doorways, ramps, elevators, and platform lifts.

1002.4 Walking Surfaces. Walking surfaces that are part of an accessible route shall comply with Section 403.

1002.5 Doors and Doorways. The primary entrance door to the unit, and all other doorways intended for user passage, shall comply with Section 404.

EXCEPTIONS:
1. Existing doors to hospital patient sleeping rooms shall be exempt from the requirement for space at the latch side provided the door is 44 inches (1120 mm) minimum in width.
2. In toilet rooms and bathrooms not required to comply with Section 1002.11.2, maneuvering clearances required by Section 404.2.3 are not required on the toilet room or bathroom side of the door.
3. A turning space between doors in a series as required by Section 404.2.5 is not required.
4. Storm and screen doors are not required to comply with Section 404.2.5.
5. Communicating doors between individual sleeping units are not required to comply with Section 404.2.5.
6. At other than the primary entrance door, where exterior space dimensions of balconies are less than the required maneuvering clearance, door maneuvering clearance is not required on the exterior side of the door.

1002.6 Ramps. Ramps shall comply with Section 405.

1002.7 Elevators. Elevators within the unit shall comply with Section 407, 408, or 409.

1002.8 Platform Lifts. Platform lifts within the unit shall comply with Section 410.

1002.9 Operable Parts. Lighting controls, electrical panelboards, electrical switches and receptacle outlets, environmental controls, appliance controls, operating hardware for operable windows, plumbing fixture controls, and user controls for security or intercom systems shall comply with Section 309.

EXCEPTIONS:
1. Receptacle outlets serving a dedicated use.
2. Where two or more receptacle outlets are provided in a kitchen above a length of counter top that is uninterrupted by a sink or appliance, one receptacle outlet shall not be required to comply with Section 309.
3. Floor receptacle outlets.
4. HVAC diffusers.
5. Controls mounted on ceiling fans.
6. Where redundant controls other than light switches are provided for a single element, one control in each space shall not be required to be accessible.

1002.10 Laundry Equipment. Washing machines and clothes dryers shall comply with Section 611.

1002.11 Toilet and Bathing Facilities. At least one toilet and bathing facility shall comply with Section 1002.11.2. All other toilet and bathing facilities shall comply with Section 1002.11.1.

1002.11.1 Grab Bars and Shower Seat Reinforcement. At fixtures in toilet and bathing facilities not required to comply with Section 1002.11.2, reinforcement in accordance with Section 1004.11.1 shall be provided.

EXCEPTION: Reinforcement is not required where Type B units are not provided in the structure.

1002.11.2 Accessible Toilet and Bathing Facility. At least one toilet and bathing facility shall comply with Section 603. At least one lavatory, one water closet and either a bathtub or shower within the unit shall comply with Sections 604 through 610. The accessible toilet and bathing fixtures shall be in a single toilet/bathing area, such that travel between fixtures does not require travel through other parts of the unit.

1002.11.2.1 Vanity Counter Top Space. If vanity counter top space is provided in dwelling or sleeping units not required to be Accessible units within the same facility, equivalent vanity counter top space, in terms of size and proximity to the lavatory, shall also be provided in Accessible units.

1002.11.2.2 Mirrors. Mirrors above accessible lavatories shall have the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor.

1002.12 Kitchens and kitchenettes. Kitchens and kitchenettes shall comply with Section 804. At least one work surface, 30 inches (760 mm) minimum in length, shall comply with Section 902.

EXCEPTION: Spaces that do not provide a cooktop or conventional range shall not be required to provide an accessible work surface.

1002.13 Windows. Windows shall comply with Section 1002.13.

1002.13.1 Natural ventilation. Operable windows required to provide natural ventilation shall comply with Sections 309.2 and 309.3.

1002.13.2 Emergency escape. Operable windows required to provide an emergency escape and rescue opening shall comply with Section 309.2.

1002.14 Storage Facilities. Where storage facilities I are provided, at least one of each type shall comply with Section 905.

EXCEPTION: Kitchen cabinets shall not be required to comply with Section 1002.14.

1002.15 Beds. In at least one sleeping area, a minimum of five percent, but not less than one bed shall comply with Section 1002.15.

1002.15.1 Clear Floor Space. A clear floor space complying with Section 305 shall be provided on both sides of the bed. The clear floor space shall be positioned for parallel approach to the side of the bed.

EXCEPTION: Where a single clear floor space complying with Section 305 positioned for parallel approach is provided between two beds, a clear floor space shall not be required on both sides of the bed.

1002.15.2 Bed Frames. At least one bed shall be provided with an open bed frame.

1003 Type A Units

1003.1 General. Type A units shall comply with Section 1003.

1003.2 Primary Entrance. The accessible primary entrance shall be on an accessible route from public and common areas. The primary entrance shall not be to a bedroom unless it is the only entrance.

1003.3 Accessible Route. Accessible routes within Type A units shall comply with Section 1003.3.

1003.3.1 Location. At least one accessible route shall connect all spaces and elements that are a part of the unit. Accessible routes shall coincide with or be located in the same area as a general circulation path.

EXCEPTION: An accessible route is not required to unfinished attics and unfinished basements that are part of the unit.

1003.3.2 Turning Space. All rooms served by an accessible route shall provide a turning space complying with Section 304.

EXCEPTIONS:
1. A turning space is not required in toilet rooms and bathrooms that are not required to comply with Section 1003.11.2.
2. A turning space is not required within closets or pantries that are 48 inches (1220 mm) maximum in depth.

1003.3.3 Components. Accessible routes shall consist of one or more of the following elements: walking surfaces with a slope not steeper than 1:20, doors and doorways, ramps, elevators, and platform lifts.

1003.4 Walking Surfaces. Walking surfaces that are part of an accessible route shall comply with Section 403.

1003.5 Doors and Doorways. The primary entrance door to the unit, and all other doorways intended for user passage, shall comply with Section 404.

EXCEPTIONS:
1. Thresholds at exterior sliding doors shall be permitted to be 3/4 inch (19 mm) maximum in height, provided they are beveled with a slope not greater than 1:2.
2. In toilet rooms and bathrooms not required to comply with Section 1003.11.2, maneuvering clearances required by Section 404.2.3 are not required on the toilet room or bathroom side of the door.
3. A turning space between doors in a series as required by Section 404.2.5 is not required.
4. Storm and screen doors are not required to comply with Section 404.2.5.
5. Communicating doors between individual sleeping units are not required to comply with Section 404.2.5.
6. At other than the primary entrance door, where exterior space dimensions of balconies are less than the required maneuvering clearance, door maneuvering clearance is not required on the exterior side of the door.

1003.6 Ramps. Ramps shall comply with Section 405.

1003.7 Elevators. Elevators within: the unit shall comply with Section 407, 408, or 409.

1003.8 Platform Lifts. Platform lifts within the unit shall comply with Section 410.

1003.9 Operable Parts. Lighting controls, electrical panelboards, electrical switches and receptacle outlets, environmental controls, appliance controls, operating hardware for operable windows, plumbing fixture controls, and user controls for security or intercom systems shall comply with Section 309.

EXCEPTIONS:
1. Receptacle outlets, serving a dedicated use.
2. Where two or more receptacle outlets are provided in a kitchen above a length of counter top that is uninterrupted by a sink or appliance, one receptacle outlet shall not be required to comply with Section 309.
3. Floor receptacle outlets.
4. HVAC diffusers.
5. Controls mounted on ceiling fans.
6. Where redundant controls other than light switches are provided for a single element, one control in each space shall not be required to be accessible.

1003.11 Toilet and Bathing Facilities. At least one toilet and bathing facility shall comply with Section 1003.11.2. All toilet and bathing facilities shall comply with Section 1003.11.1.

1003.11.1 Grab Bar and Shower Seat Reinforcement. Reinforcement shall be provided for the future installation of grab bars complying with Section 604.5 at water closets; grab bars complying with Section 607.4 at bathtubs; and for grab bars and shower seats complying with Sections 608.3, 608.2.1.3, 608.2.2.3 and 608.2.3.2 at shower compartments.

EXCEPTIONS:
1. At fixtures not required to comply with Section 1003.11.2, reinforcement in accordance with Section 1004.11.1 shall be permitted.
2. Reinforcement is not required in a room containing only a lavatory and a water closet, provided the room does not contain the only lavatory or water closet on the accessible level of the dwelling unit.
3. Reinforcement for the water closet side wall vertical grab bar component required by Section 604.5 is not required.
4. Where the lavatory overlaps the water closet clearance in accordance with the exception to Section 1003.11.2.4.4 reinforcement at the water closet rear wall for a 24-inch (610 mm) minimum length grab bar, centered on the water closet, shall be provided.

1003.11.2 General. At least one toilet and bathing facility shall comply with Section 1003.11.2. At least one lavatory, one water closet and either a bathtub or shower within the unit shall comply with Section 1003.11.2. The accessible toilet and bathing fixtures shall be in a single toilet/bathing area, such that travel between fixtures does not require travel through other parts of the unit.

1003.11.2.1 Doors. Doors shall not swing into the clear floor space or clearance for any fixture.

EXCEPTION: Where a clear floor space complying with Section 305.3 is provided within the room beyond the arc of the door swing.

1003.11.2.2 Lavatory. Lavatories shall comply with Section 606.

EXCEPTION: Cabinetry shall be permitted under the lavatory, provided the following criteria are met:
(a) The cabinetry can be removed without removal or replacement of the lavatory;
(b) The floor finish extends under the cabinetry; and
(c) The walls behind and surrounding the cabinetry are finished.

1003.11.2.3 Mirrors. Mirrors above accessible lavatories shall have the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor.

1003.11.2.4 Water Closet. Water closets shall comply with Section 1003.11.2.4.

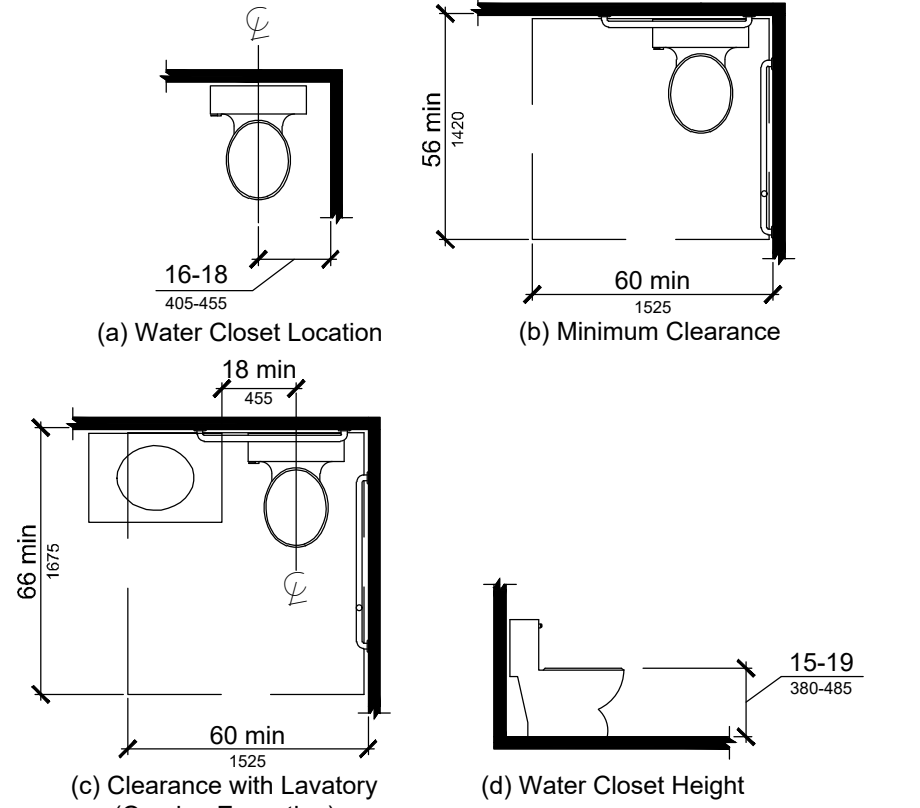


Fig. 1003.11.2.4
WATER CLOSETS IN TYPE A UNITS

1003.11.2.4.1 Location. The water closet shall be positioned with a wall to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum and 18 inches (455 mm) maximum from the sidewall.

1003.11.2.4.2 Clearance Width. Clearance around the water closet shall be 60 inches (1525 mm) minimum in width, measured perpendicular from the side wall.

1003.11.2.4.3 Clearance Depth. Clearance around the water closet shall be 56 inches (1420 mm) minimum in depth, measured perpendicular from the rear wall.

1003.11.2.4.4 Clearance Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, paper dispensers, coat hooks, shelves, accessible routes, clear floor space required at other fixtures, and the wheelchair turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

EXCEPTION: A lavatory measuring 24 inches (610 mm) maximum in depth and complying with Section 1003.11.2.2 shall be permitted on the rear wall 18 inches (455 mm) minimum from the centerline of the water closet to the side edge of the lavatory where the clearance at the water closet is 66 inches (1675 mm) minimum measured perpendicular from the rear wall.

1003.11.2.4.5 Height. The top of the water closet seat shall be 15 inches (380 mm) minimum and 19 inches (485 mm) maximum above the floor, measured to the top of the seat.

1003.11.2.4.6 Flush Controls. Flush controls shall be hand-operated or automatic. Hand operated flush controls shall comply with Section 309. Hand-operated flush controls shall be located on the open side of the water closet.

1003.11.2.5 Bathing Fixtures. The accessible bathing fixture shall be a bathtub complying with Section 1003.11.2.5.1 or a shower compartment complying with Section 1003.11.2.5.2.

Accessible and Useable Buildings and Facilities
per ICC A117.1-2009

1003.12.3.1 Clear Floor Space. A clear floor space, positioned for a forward approach to the work surface, shall be provided. Knee and toe clearance complying with Section 306 shall be provided. The clear floor space shall be centered on the work surface.

EXCEPTION: Cabinetry shall be permitted under the work surface, provided the following criteria are met:

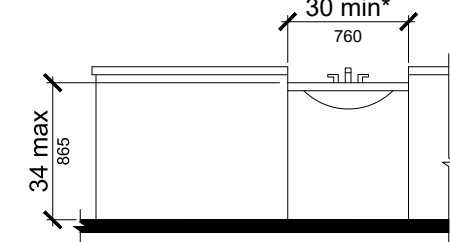
- (a) The cabinetry can be removed without removal or replacement of the work surface,
- (b) The floor finish extends under the cabinetry, and
- (c) The walls behind and surrounding the cabinetry are finished.

1003.12.3.2 Height. The work surface shall be 34 inches (865 mm) maximum above the floor.

EXCEPTION: A counter that is adjustable to provide a work surface at variable heights 29 inches (735 mm) minimum and 36 inches (915 mm) maximum above the floor, or that can be relocated within that range without cutting the counter or damaging adjacent cabinets, walls, doors, and structural elements, shall be permitted.

1003.12.3.3 Exposed Surfaces. There shall be no sharp or abrasive surfaces under the exposed portions of work surface counters.

1003.12.4 Sink. The sink shall comply with Section 1003.12.4.



* 36 min. (915) if part of T-shaped turning space per Sections 304.3.2 and 1003.3.2

FIG. 1003.12.4
KITCHEN SINK FOR TYPE A UNITS

1003.12.4.1 Clear Floor Space. A clear floor space, positioned for a forward approach to the sink, shall be provided. Knee and toe clearance complying with Section 306 shall be provided.

EXCEPTIONS:

1. The requirement for knee and toe clearance shall not apply to more than one bowl of a multi-bowl sink.
2. Cabinetry shall be permitted to be added I under the sink, provided the following criteria are met:
 - (a) The cabinetry can be removed without removal or replacement of the sink,
 - (b) The floor finish extends under the cabinetry, and
 - (c) The walls behind and surrounding the cabinetry are finished.

1003.12.4.2 Height. The front of the sink shall be 34 inches (865 mm) maximum above the floor, measured to the higher of the rim or counter surface.

EXCEPTION: A sink and counter that is adjustable to variable heights 29 inches (735 mm) minimum and 36 inches (915 mm) maximum above the floor, or that can be relocated within that range without cutting the counter or damaging adjacent cabinets, walls, doors and structural elements, provided rough-in plumbing permits connections of supply and drain pipes for sinks mounted at the height of 29 inches (735 mm), shall be permitted.

1003.12.4.3 Faucets. Faucets shall comply with Section 309.

1003.12.4.4 Exposed Pipes and Surfaces. Water supply and drain pipes under sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under sinks.

1003.12.5 Appliances. Where provided, kitchen appliances shall comply with Section 1003.12.5.

1003.12.5.1 Operable Parts. All appliance controls shall comply with Section 1003.9.

EXCEPTIONS:

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

1003.12.5.2 Clear Floor Space. A clear floor space, positioned for a parallel or forward approach, shall be provided at each kitchen appliance.

1003.12.5.3 Dishwasher. A clear floor space, positioned adjacent to the dishwasher door, shall be provided. The dishwasher door in the open position shall not obstruct the clear floor space for the dishwasher or an adjacent sink.

1003.12.5.4 Cooktop. Cooktops shall comply with Section 1003.12.5.4.

1003.12.5.4.1 Approach. A clear floor space, positioned for a parallel or forward approach to the cooktop, shall be provided.

1003.12.5.4.2 Forward approach. Where the clear floor space is positioned for a forward approach, knee and toe clearance complying with Section 306 shall be provided. The underside of the cooktop shall be insulated or otherwise configured to protect from burns, abrasions, or electrical shock.

1003.12.5.4.3 Parallel approach. Where the clear floor space is positioned for a parallel approach, the clear floor space shall be centered on the appliance.

1003.12.5.4.4 Controls. The location of controls shall not require reaching across burners.

1003.12.5.5 Oven. Ovens shall comply with Section 1003.12.5.5. Ovens shall have controls on front panels, on either side of the door.

1003.12.5.5.1 Clear floor space. A clear floor space shall be provided. The oven door in the open position shall not obstruct the clear floor space for the oven.

1003.12.5.5.2 Side-Hinged Door Ovens. Side-hinged door ovens shall have a countertop positioned adjacent to the latch side of the oven door.

1003.12.5.5.3 Bottom-Hinged Door Ovens. Bottom-hinged door ovens shall have a countertop positioned adjacent to one side of the door.

1003.12.5.5.4 Controls. The location of controls shall not require reaching across burners.

1003.12.5.6 Refrigerator/Freezer. Combination refrigerators and freezers shall have at least 50 percent of the freezer compartment shelves, including the bottom of the freezer 54 inches (1370 mm) maximum above the floor when the shelves are installed at the maximum heights possible in the compartment. A clear floor space, positioned for a parallel approach to the refrigerator/ freezer, shall be provided. The centerline of the clear floor space shall be offset 24 inches (610 mm) maximum from the centerline of the appliance.

1003.13 Windows. Windows shall comply with Section 1003.13.

1003.13.1 Natural ventilation. Operable windows required to provide natural ventilation shall comply with Sections 309.2 and 309.3.

1003.13.2 Emergency escape. Operable windows required to provide an emergency escape and rescue opening shall comply with Section 309.2.

1003.14 Storage Facilities. Where storage facilities are provided, at least one of each type shall comply with Section 905.

EXCEPTION: Kitchen cabinets shall not be required to comply with Section 1003.14.

ISSUED FOR
PLANNING BOARD
REVIEW: 05/21/21

HOLLIDAYARCHITECTS
Incorporated
Jackson Commons, Suite A-4
30 Jackson Road
Medford, NJ 08055
609.953.5373
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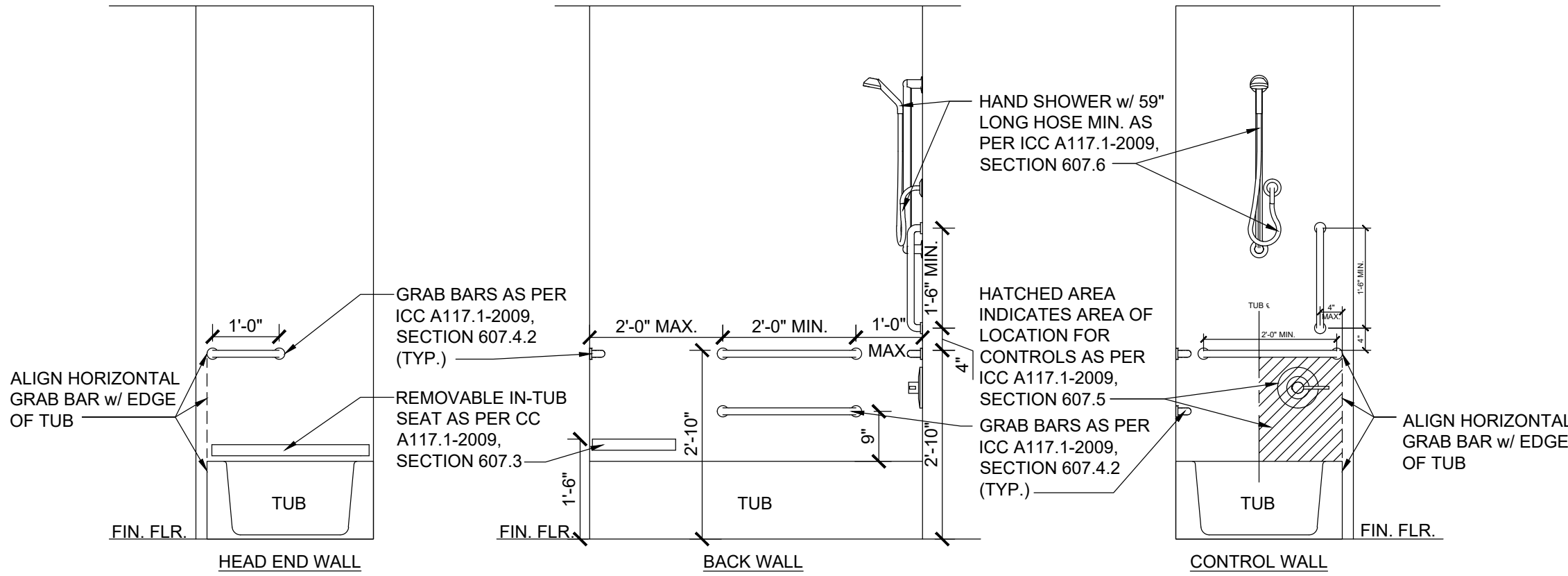
PROJECT:
PROPOSED ADDITION/RENOVATION
560 ROUTE 73
NORTH BERLIN, NEW JERSEY, 08091

CLIENT:
ALEC PRICE

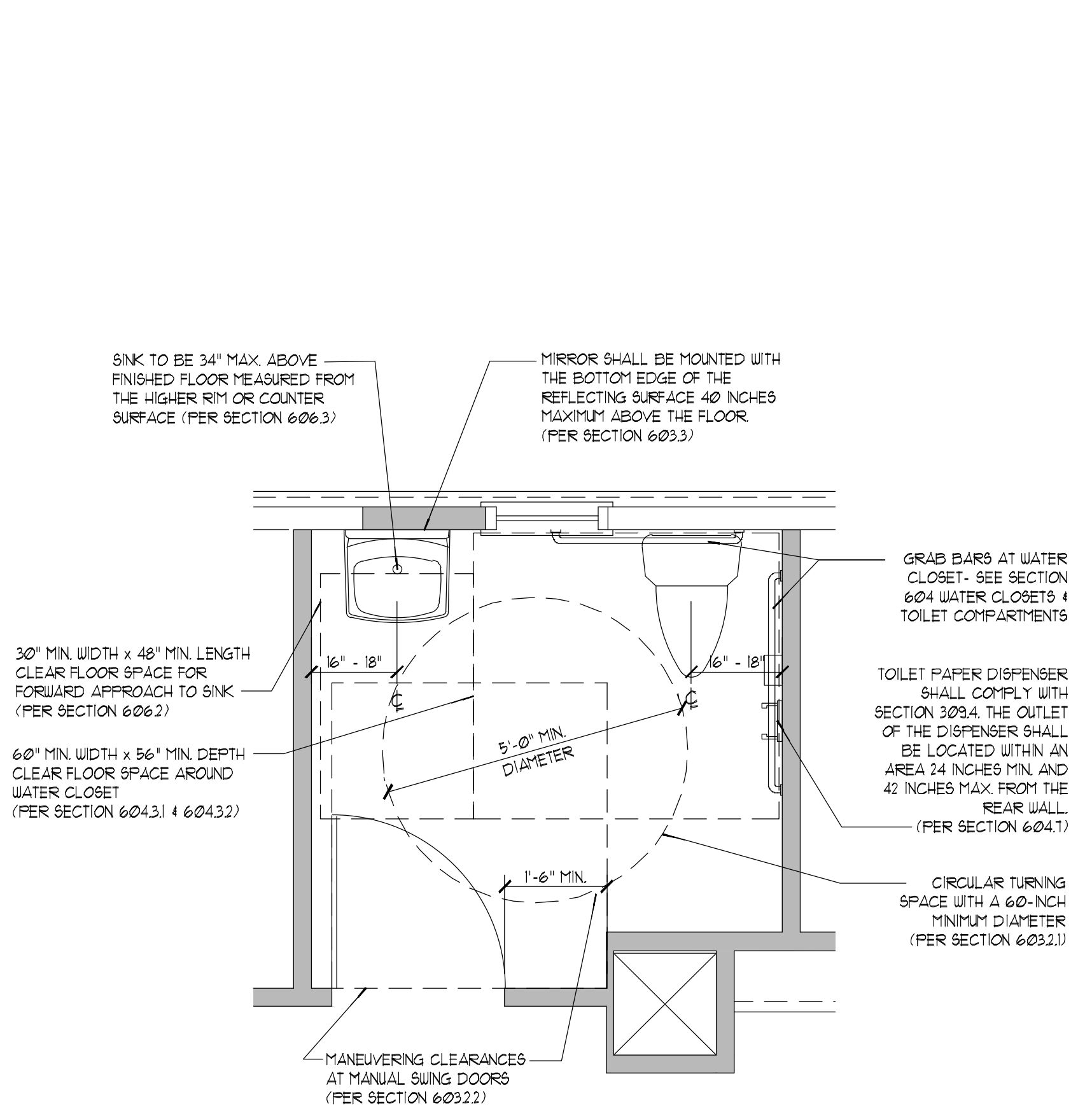
REV.	DATE	REVISION

DESIGNED JD	
DRAWN RA/JD	
CHECKED JH	
APPROVED JH	

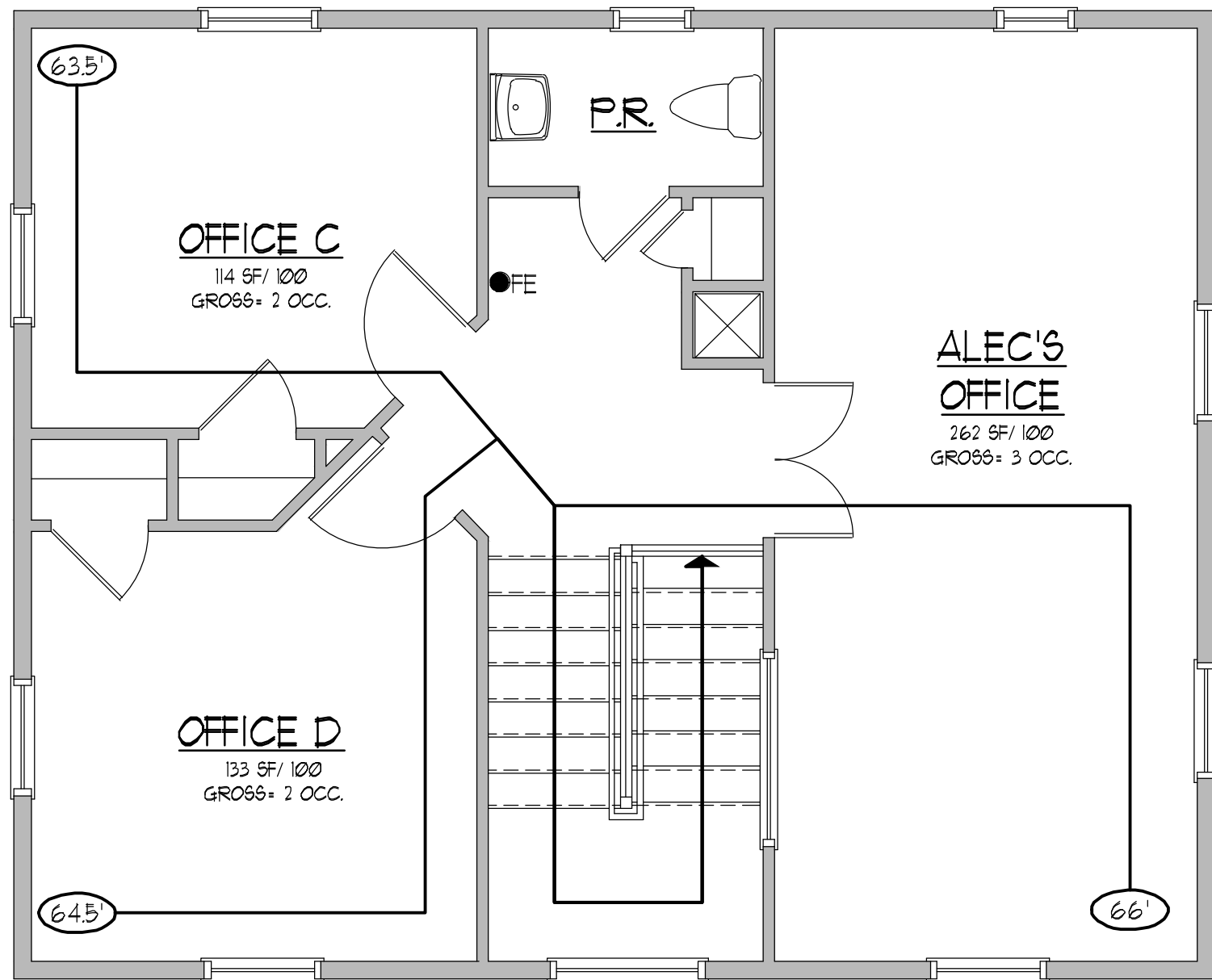
SHEET TITLE: ACCESSIBILITY REQUIREMENTS		
SCALE: AS NOTED	SHEET NO. ADA-5	
PROJ. NO.: NRA-21003		
DATE: April XX, 2021		



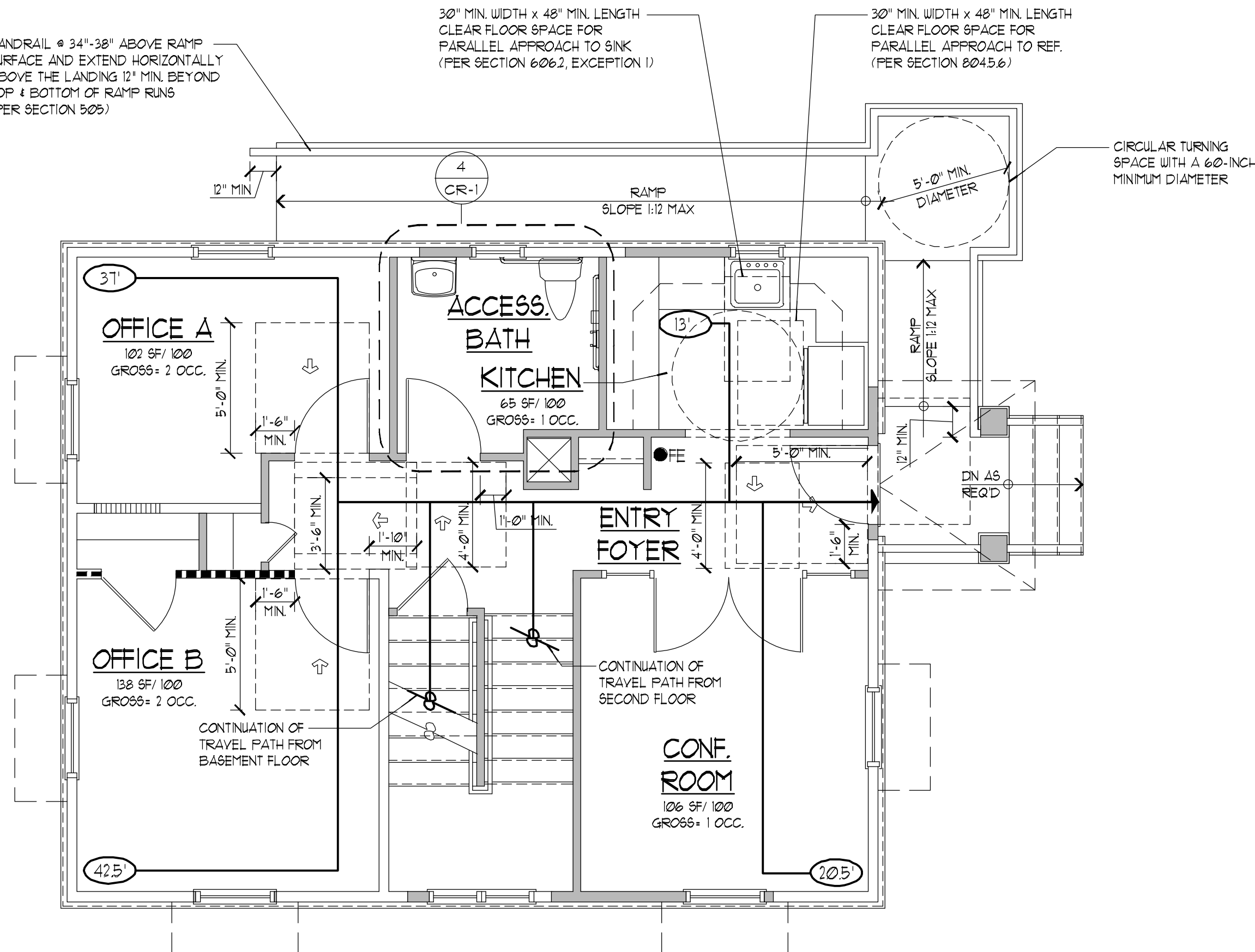
ACCESSIBLE/ ADAPTABLE BATHTUB WITHOUT PERMANENT SEAT DETAIL
(REFER TO ICC A117.1-2009 SECTION 607.4.2 FOR ADDITIONAL INFO)



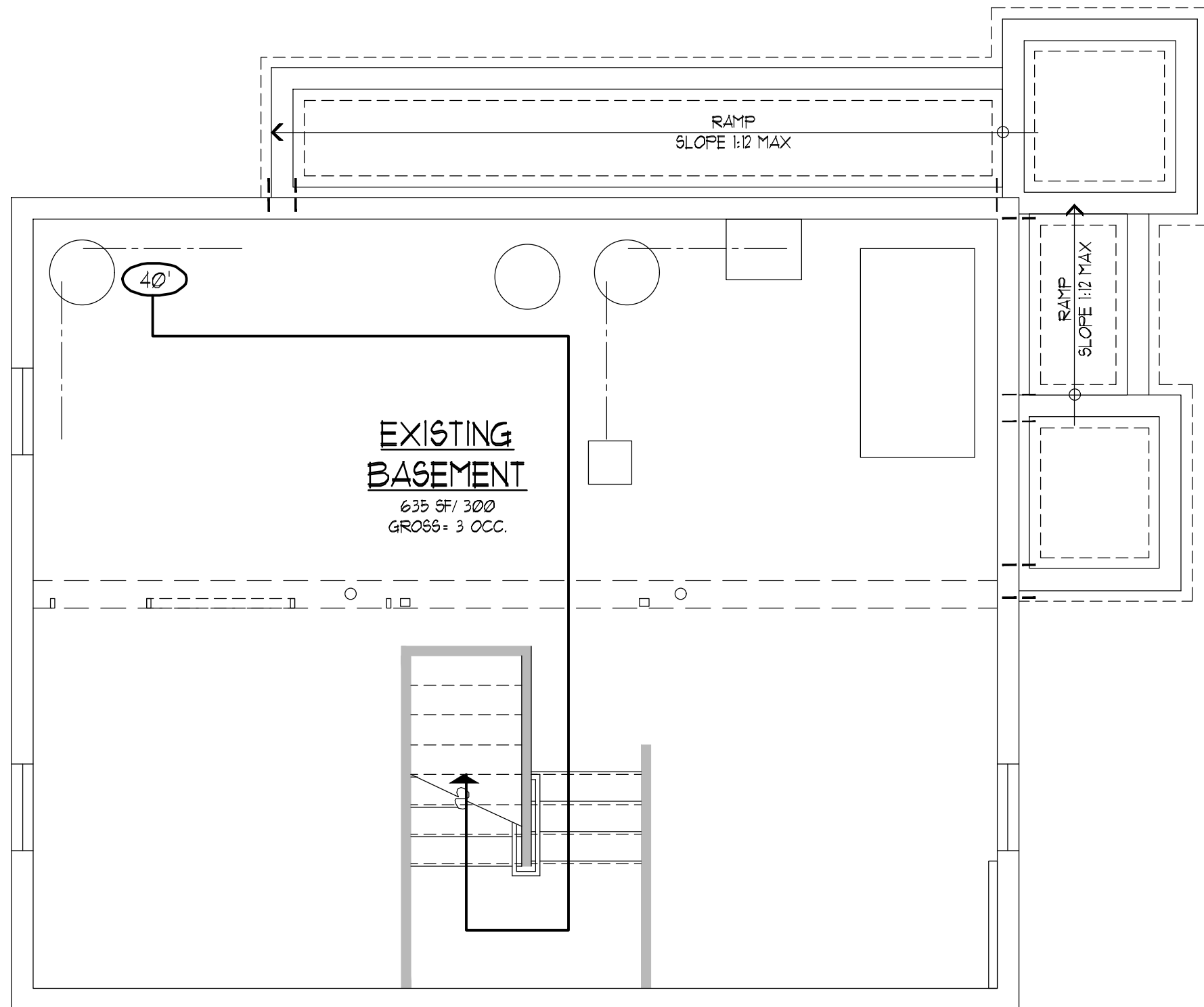
4 ENLARGED ACCESSIBLE UNISEX BATH FLOOR PLAN
CR-1 SCALE: 1/2" = 1'-0"



3 SECOND FLOOR PLAN
CR-1 SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PLAN
CR-1 SCALE: 1/4" = 1'-0"



1 BASEMENT/FOUNDATION PLAN
CR-1 SCALE: 1/4" = 1'-0"

CODE ANALYSIS:
THE FOLLOWING CODE ANALYSIS WAS DEVELOPED BASED UPON THE 2018 INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION

BUILDING DESCRIPTION:
USE GROUP: B (BUSINESS GROUP)
2-STORY, TYPE V-B CONSTRUCTION

BUILDING DATA:
CONSTRUCTION TYPE: TYPE V-B (UNPROTECTED - N5)
OCCUPANCY: B (BUSINESS GROUP)

LEGEND:
0.0' → MAXIMUM TRAVEL DISTANCE TO AN EXIT WITHOUT SPRINKLERS (100 FT AS PER SECTION 1006.2.1 & TABLE 1006.2.1)
● FE FIRE EXTINGUISHER / WALL MOUNTED

NOTES:
1. USE CR-1 FOR EXIT ACCESS TRAVEL DISTANCE
2. SEE SHEETS ADA-1 THRU ADA-5 FOR ACCESSIBILITY REQUIREMENTS.

BASEMENT			
OCCUPANT LOAD (PER TABLE 1004.5, 2018 IBC, NJ ed.)			
Space	Area (sq. ft.)	Floor Area per Occ.	Number of Occ.
BASEMENT	635	300	3
TOTAL OCCUPANTS			3

FIRST FLOOR			
OCCUPANT LOAD (PER TABLE 1004.5, 2018 IBC, NJ ed.)			
Space	Area (sq. ft.)	Floor Area per Occ.	Number of Occ.
CONFERENCE ROOM	131	15	9
KITCHEN	65	100	1
OFFICE A	102	100	2
OFFICE B	138	100	2
TOTAL OCCUPANTS			14

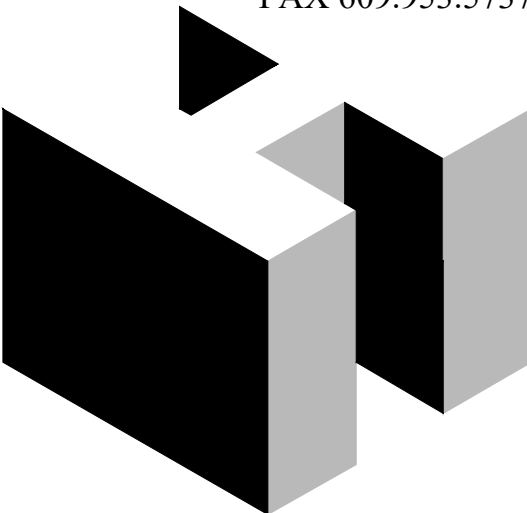
SECOND FLOOR			
OCCUPANT LOAD (PER TABLE 1004.5, 2018 IBC, NJ ed.)			
Space	Area (sq. ft.)	Floor Area per Occ.	Number of Occ.
ALEC'S OFFICE	262	100	3
OFFICE C	114	100	2
OFFICE D	133	100	2
TOTAL OCCUPANTS			7

TOTAL OCCUPANT LOAD		24	
---------------------	--	----	--

DATE	SET ISSUED
4-16-21	ISSUED FOR ENGINEERING
4-21-21	ISSUED FOR CLIENT REVIEW
5-26-21	ISSUED FOR PLANNING BOARD REVIEW

ISSUED FOR
PLANNING BOARD
REVIEW: 05/21/21

HOLLIDAYARCHITECTS
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PROJECT:
PROPOSED ADDITION/RENOVATION
560 ROUTE 73
NORTH BERLIN, NEW JERSEY, 08091

CLIENT:
ALEC PRICE

REV.	DATE	REVISION

DESIGNED JD	
DRAWN RA/JD	
CHECKED JH	
APPROVED JH	

SHEET TITLE: CODE REVIEW PLANS	
SCALE: AS NOTED	SHEET NO.
PROJ. NO.: NRA-21003	CR-1
DATE: April XX, 2021	

CONNECTION SPECIFICATIONS (TYP. U.N.O.)

DESCRIPTION OF BLDG. ELEMENT	3"x0.131" NAILS	3"x0.120" NAILS
JOIST TO SOLE PLATE	(3) TOENAILS	(3) TOENAILS*
SOLE PL. TO JOIST/RIM OR BLK'G	NAILS @ 4" o.c.	NAILS @ 4" o.c.
STUD TO SOLE PLATE	(2) TOENAILS	(3) TOENAILS*
TOP OR SOLE PLATE TO STUD	(2) NAILS	(3) NAILS
RIM TO TOP PLATE	TOENAILS @ 8" o.c.	TOENAILS @ 6" o.c.*
BLK'G. BTWN. JOISTS TO TOP PL.	(3) TOENAILS	(3) TOENAILS*
DOUBLE STUD	NAILS @ 24" o.c.	NAILS @ 16" o.c.
DOUBLE TOP PLATE	NAILS @ 24" o.c.	NAILS @ 16" o.c.
DOUBLE TOP PLATE LAP SPLICE	(4) NAILS IN LAPPED AREA	(11) NAILS IN LAPPED AREA
TOP PLATE LAP @ CORNERS & INTERSECTING WALLS	(2) NAILS	(2) NAILS
RAFTER/TRUSS TO TOP PLATE	(3) TOENAILS + (1) SIMPSON H2.5T	(3) TOENAILS + (1) SIMPSON H2.5T
GAB. END TRUSS TO DBL. TOP PL.	TOENAILS @ 8" o.c.	TOENAILS @ 6" o.c.
R.T. w/ HEEL HT. 9 1/4" TO 12"	2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 6" O.C.	2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 4" O.C.
R.T. w/ HEEL HT. 12" TO 16"	2x12 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 6" O.C.	2x12 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 4" O.C.
R.T. w/ HEEL HT. UP TO 24"	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C.	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C.*
R.T. w/ HEEL HT. 24" TO 48"	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL*
WALL TO FOUNDATION	WALL SHTG. LAP w/ SILL PL. & FASTENED PER SHEAR WALL FASTENING SPEC.	

* 2 1/2"x0.113 IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS.
(ONLY ACCEPTABLE WHERE * ARE SHOWN)

LATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:
115 MPH WIND IN 2018 IRC MAP
(115 MPH WIND SPEED IN ASCE 7-16 WIND MAP, PER IRC R301.2.1.1)
EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B.

THE DESIGN WAS COMPLETED PER 2018 IBC (SECTION 1609) & ASCE 7-16, AS PERMITTED BY R301.1.3 OF THE 2018 IRC, OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2018 IRC IF THE PARAMETERS OF SECTION R602.12 COMPLY. ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREWITHIN, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.

EXT. WALL SHEATHING SPECIFICATION

- 7/16" OSB OR 15/32" PLYWOOD:
FASTEN SHEATHING w/ 2 3/8" x 0.113" NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN PANEL FIELD. (TYP. U.N.O.)
- HORIZONTAL BLOCKING OF EXT. WALL/SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED.
- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.
- ALT. STAPLE CONNECTION SPEC: 1 3/4" 16 GA STAPLES (1/8" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.

BLOCKED PANEL EDGES

- AT DESIGNATED AREAS - FASTEN SHEATHING w/ 2 3/8" x 0.113" NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 3/4" 16 GA STAPLES (1/8" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD. ALL SHEATHING PANELS SHALL BE ORIENTED VERTICALLY (LONG DIRECTION PARALLEL TO STUDS) AND INSTALLED FULL HEIGHT OF SHEAR WALL - OR - 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.

3" O.C. EDGE NAILING

- AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING w/ 2 3/8" x 0.113" NAILS @ 3" O.C. NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED VERTICALLY (LONG DIRECTION PARALLEL TO STUD) AND INSTALLED FULL HEIGHT OF SHEAR WALL - OR - 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES AND 3" O.C. EDGE FASTENING.

NOTES

- SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN.
- DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, U.N.O.
- ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.
- PRE-MANUFACTURED PANELIZED WALLS:
FASTEN TOGETHER END STUDS OF WALL PANELS SHEATHED w/ OSB OR PLYWOOD w/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)

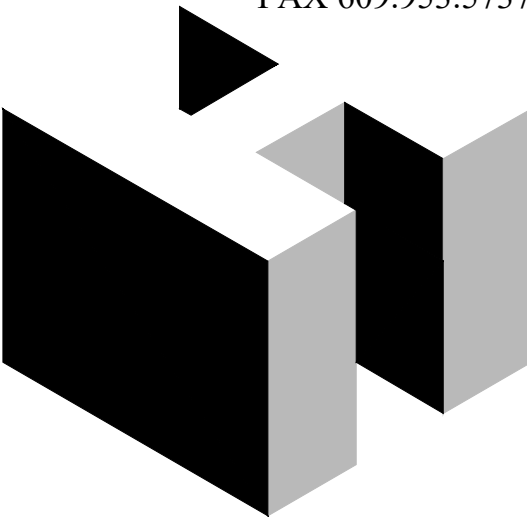
--- INDICATES EXTENT OF INT. OSB SHEARWALL, BLOCKED PANEL EDGES, AND/OR 3" O.C. EDGE NAILING

19Kc STD. - MAR 2018

DATE	SET ISSUED
4-16-21	ISSUED FOR ENGINEERING
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5-26-21	ISSUED FOR PLANNING BOARD REVIEW

ISSUED FOR
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REVIEW: 05/21/21

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PROJECT: PROPOSED ADDITION/RENOVATION 560 ROUTE 73 NORTH BERLIN, NEW JERSEY, 08091	CLIENT: ALEC PRICE
---	---------------------------

REV.	DATE	REVISION
DESIGNED JD		
DRAWN RA/JD		
CHECKED JH		
APPROVED JH		
SHEET TITLE:		
STRUCTURAL NOTES		
SCALE:	AS NOTED	SHEET NO.
PROJ. NO.:	NRA-21003	SD-1
DATE:	April XX, 2021	

DATE	SET ISSUED
4-16-21	ISSUED FOR ENGINEERING
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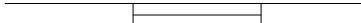



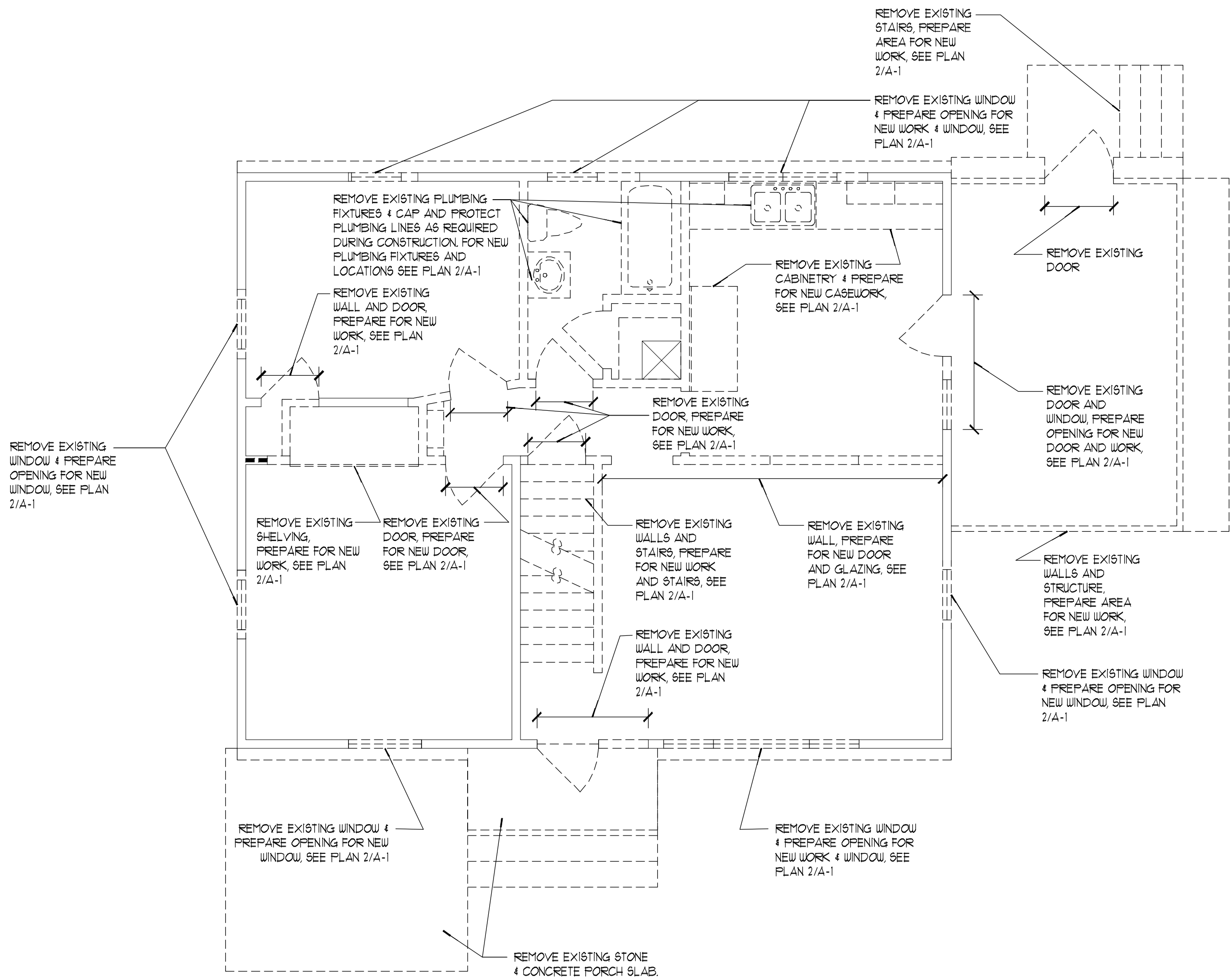
PROJECT: PROPOSED ADDITION/RENOVATION 560 ROUTE 73 NORTH BERLIN, NEW JERSEY, 08091		CLIENT: ALEC PRICE	
REV.	DATE	REVISION	
DESIGNED JD		DRAWN RA/JD CHECKED JH APPROVED JH	
SHEET TITLE: DEMOLITION PLANS			
SCALE:	AS NOTED	SHEET NO.	
PROJ. NO.:	NRA-21003	D-1	
DATE:	April XX, 2021		

DEMOLITION NOTES:

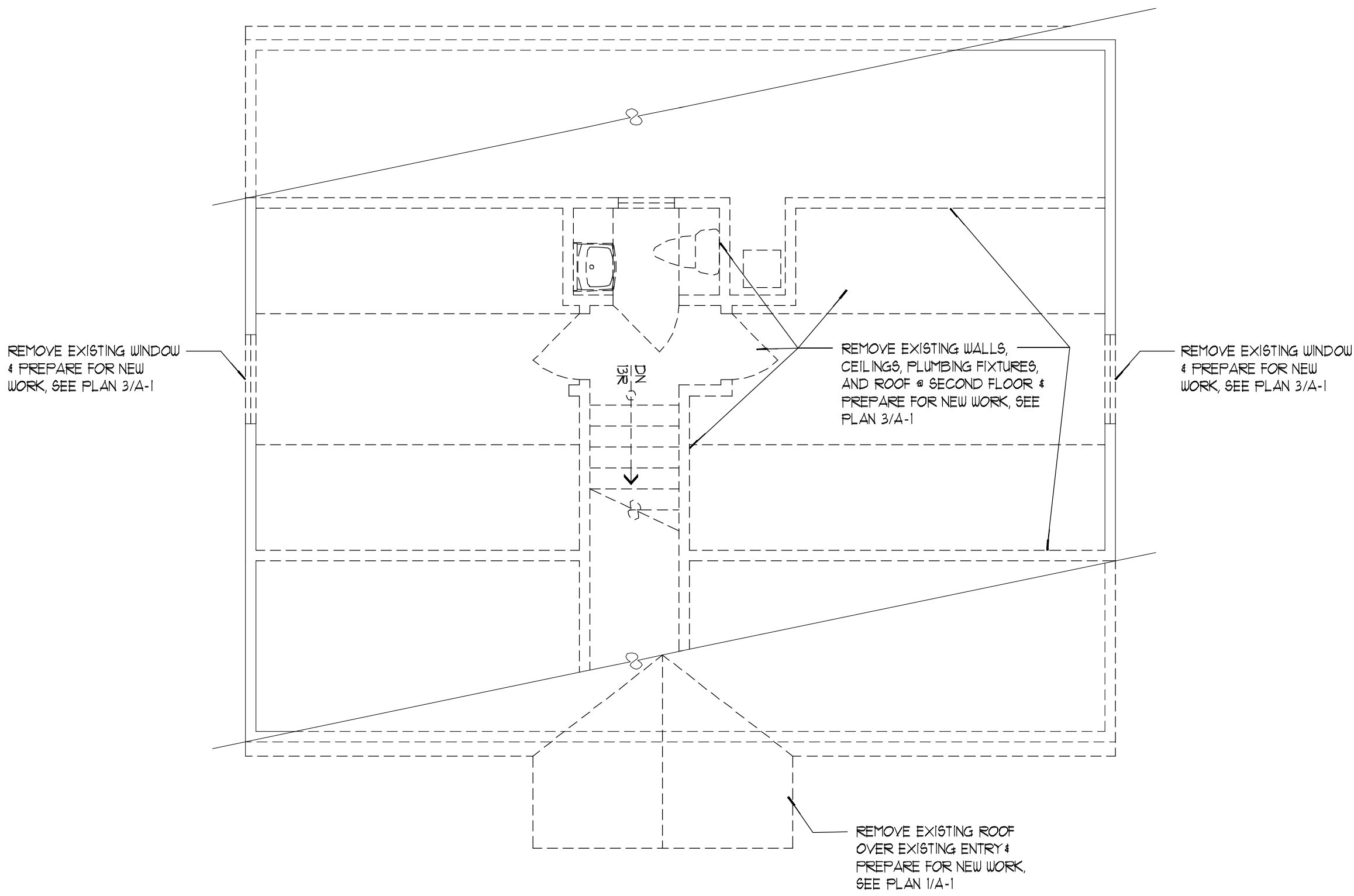
1. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF NEW WORK AND MUST NOTIFY ARCHITECT OF ANY UNFORESEEN CONDITIONS
2. PROPERLY SHORE BRACE ALL STRUCTURAL ELEMENTS ABOVE AS REQUIRED PRIOR TO REMOVING ANY WALL, COLUMN, ETC. PATCH & REPAIR FLOOR, WALLS AND CEILING AS NECESSARY.
3. REMOVE & REPLACE EXISTING FINISHES AS NECESSARY TO ACCOMMODATE NEW WORK.
4. ALL FLOOR FINISHES TO BE REMOVED AND/OR REPLACED AS REQUIRED FOR NEW FLOOR FINISHES. PATCH/REPAIR EXISTING FLOOR AS NECESSARY.
5. EXISTING CEILING LIGHTS, RECEPTACLES & SWITCHES REMOVED AND/OR REPLACED AS REQUIRED FOR NEW WORK.

LEGEND FOR DEMOLITION:

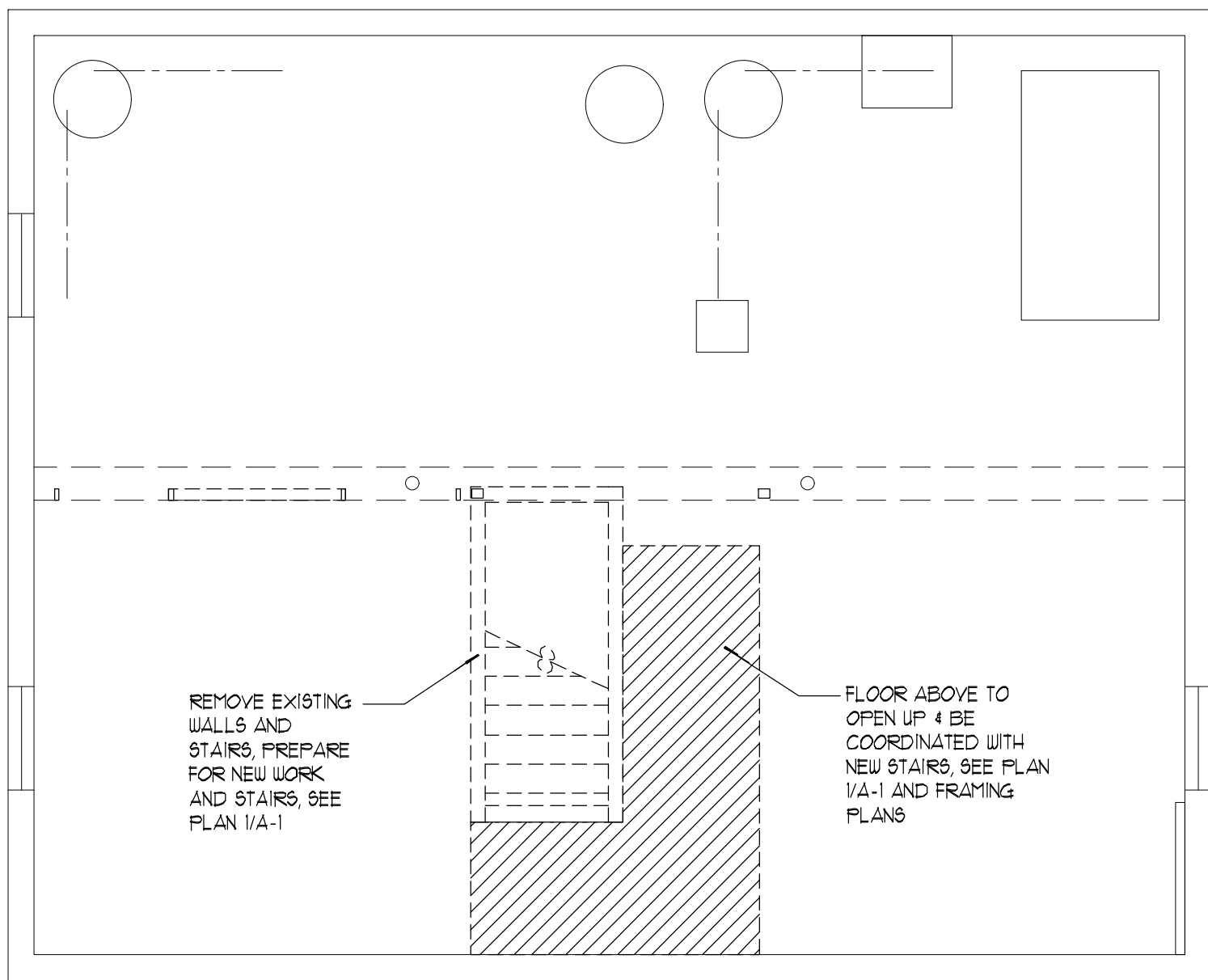
- | | |
|---|--------------------------------|
|  | EXISTING WALL TO REMAIN |
|  | EXISTING WALL TO BE REMOVED |
|  | EXISTING WINDOWS TO REMAIN |
|  | EXISTING WINDOW TO BE REMOVED |
|  | EXISTING DOOR TO REMAIN |
|  | EXISTING DOOR TO BE REMOVED |
|  | EXISTING INTERIOR BEARING WALL |



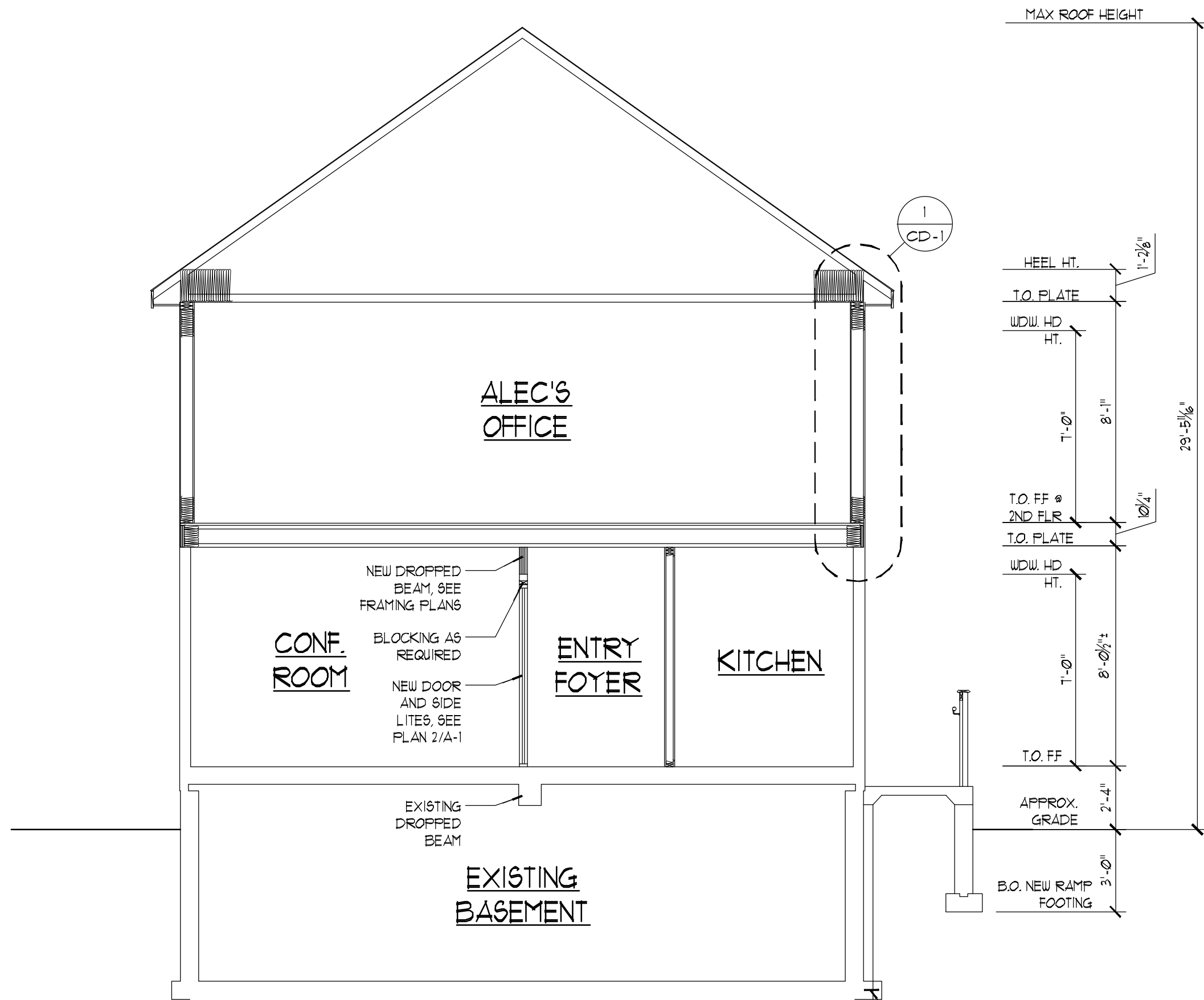
2 FIRST FLOOR DEMO PLAN
D-1 SCALE: 1/4" = 1'-0"



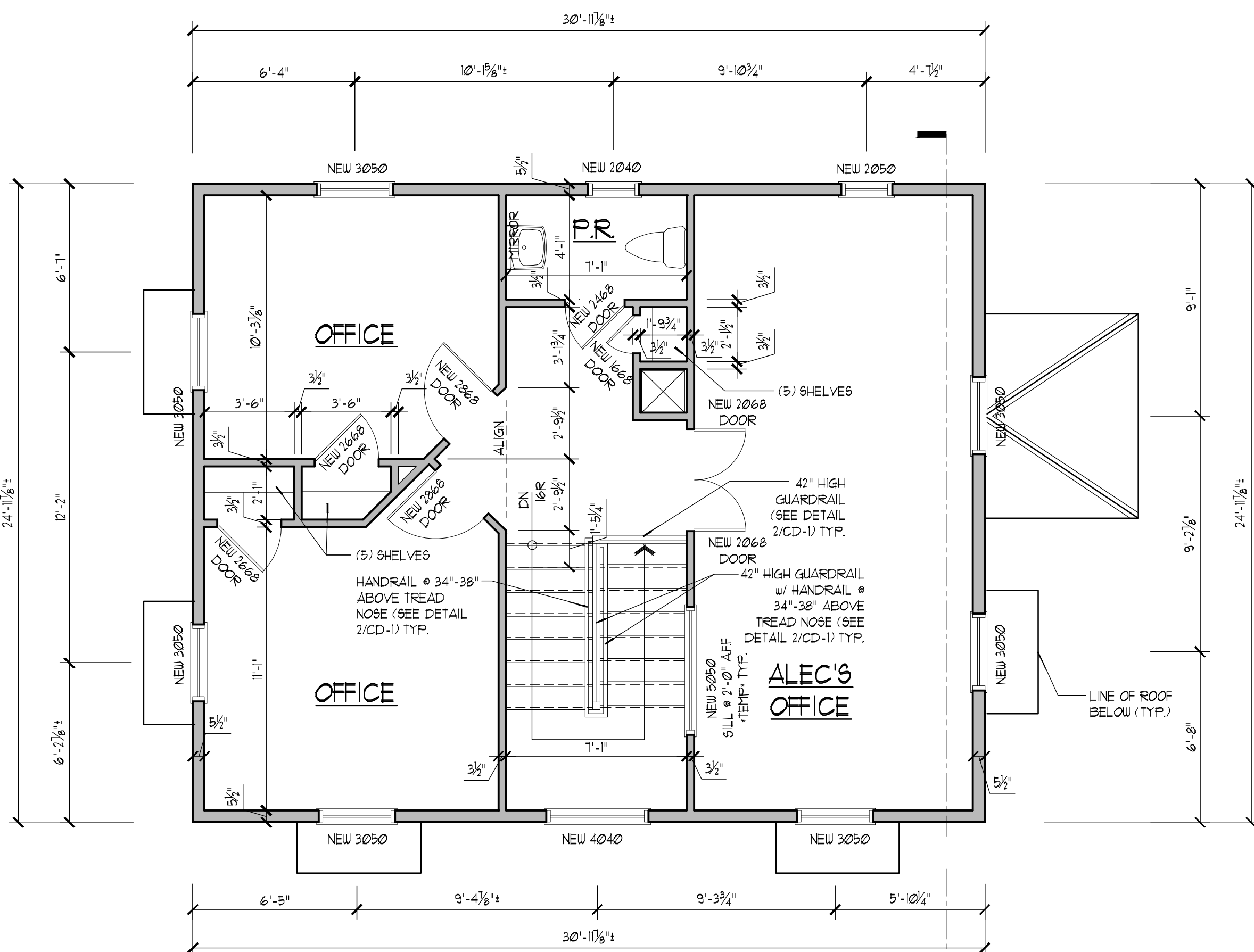
3 SECOND FLOOR DEMO PLAN
D-1 SCALE: 1/4" = 1'-0"



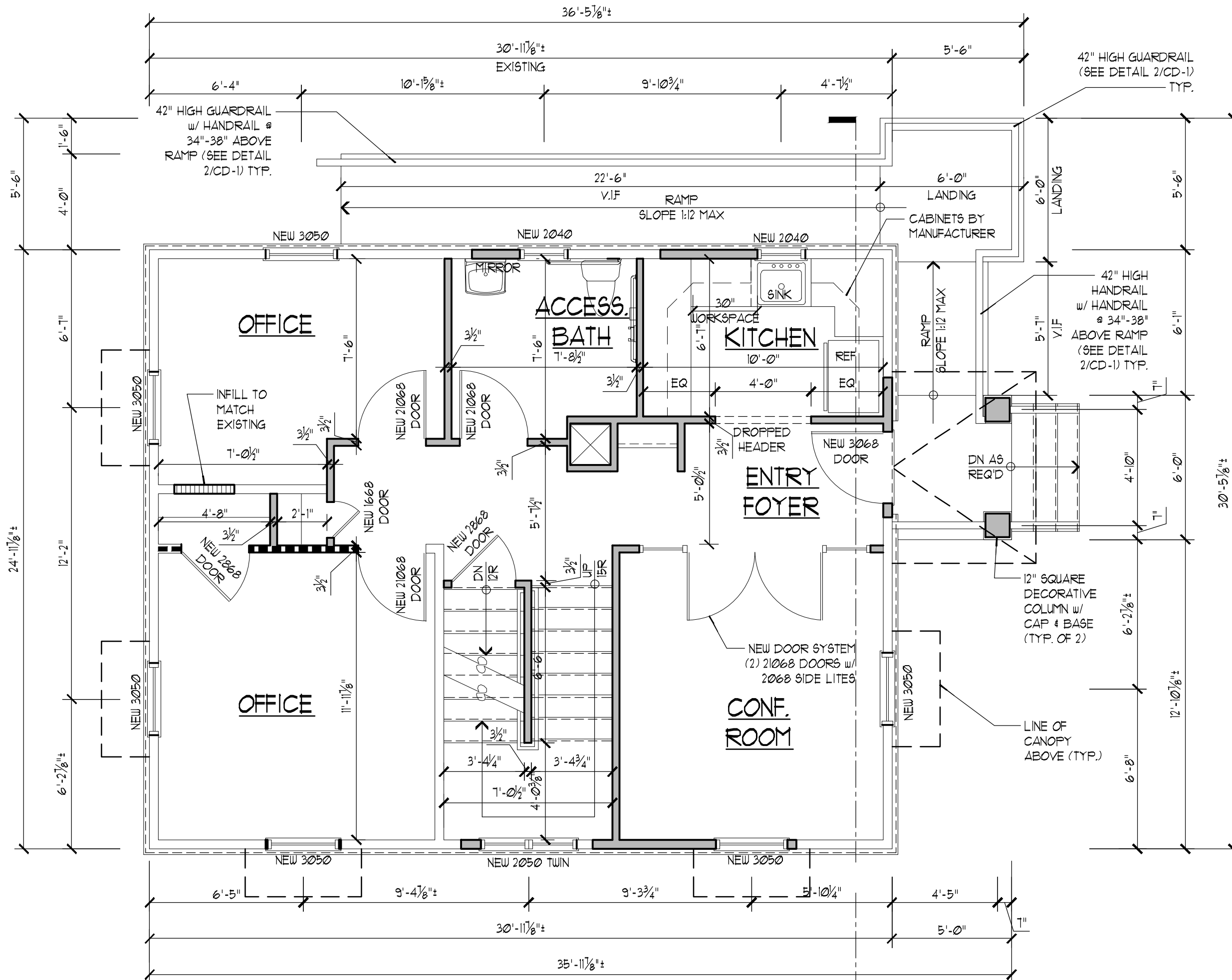
BASEMENT DEMO PLAN
SCALE: 1/4" = 1'-0"



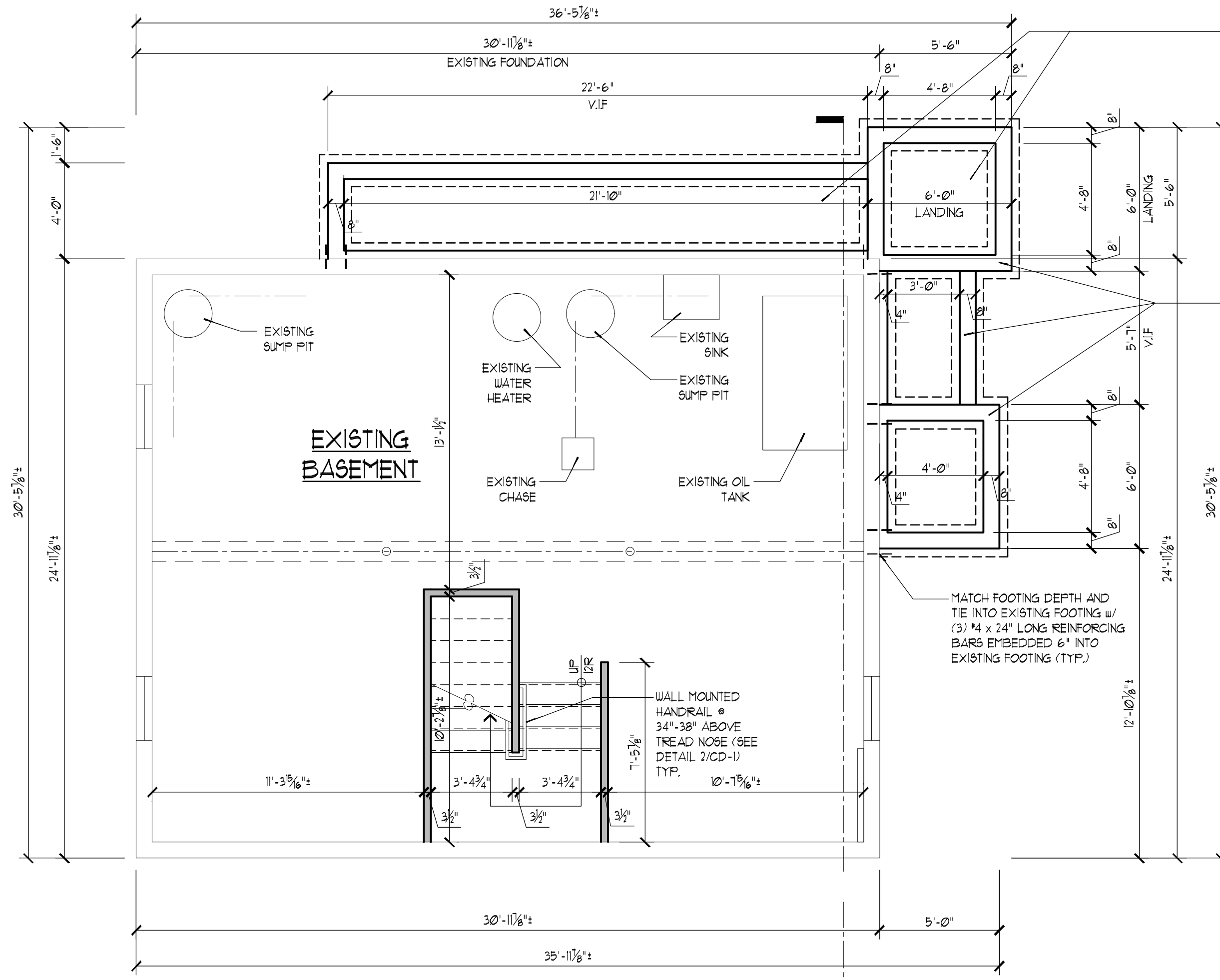
4 BUILDING SECTION
SCALE: 1/4" = 1'-0"



3 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



1 BASEMENT/FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

LEGEND FOR NEW CONSTRUCTION

- EXISTING WALL TO REMAIN
- EXISTING WINDOW TO REMAIN
- EXISTING DOOR TO REMAIN
- INFILL EXISTING OPENING IN WALL AS REQUIRED (MATCH EXISTING ADJACENT MATERIALS)
- NEW 2x WOOD STUD WALL @ 16" O.C. SEE PLAN
- DOOR SIZE
- NEW DOOR, SEE PLAN FOR SIZE
- EXISTING INTERIOR BEARING WALL

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PROJECT:
PROPOSED ADDITION/RENOVATION
560 ROUTE 73
NORTH BERLIN, NEW JERSEY, 08091

CLIENT:
ALEC PRICE

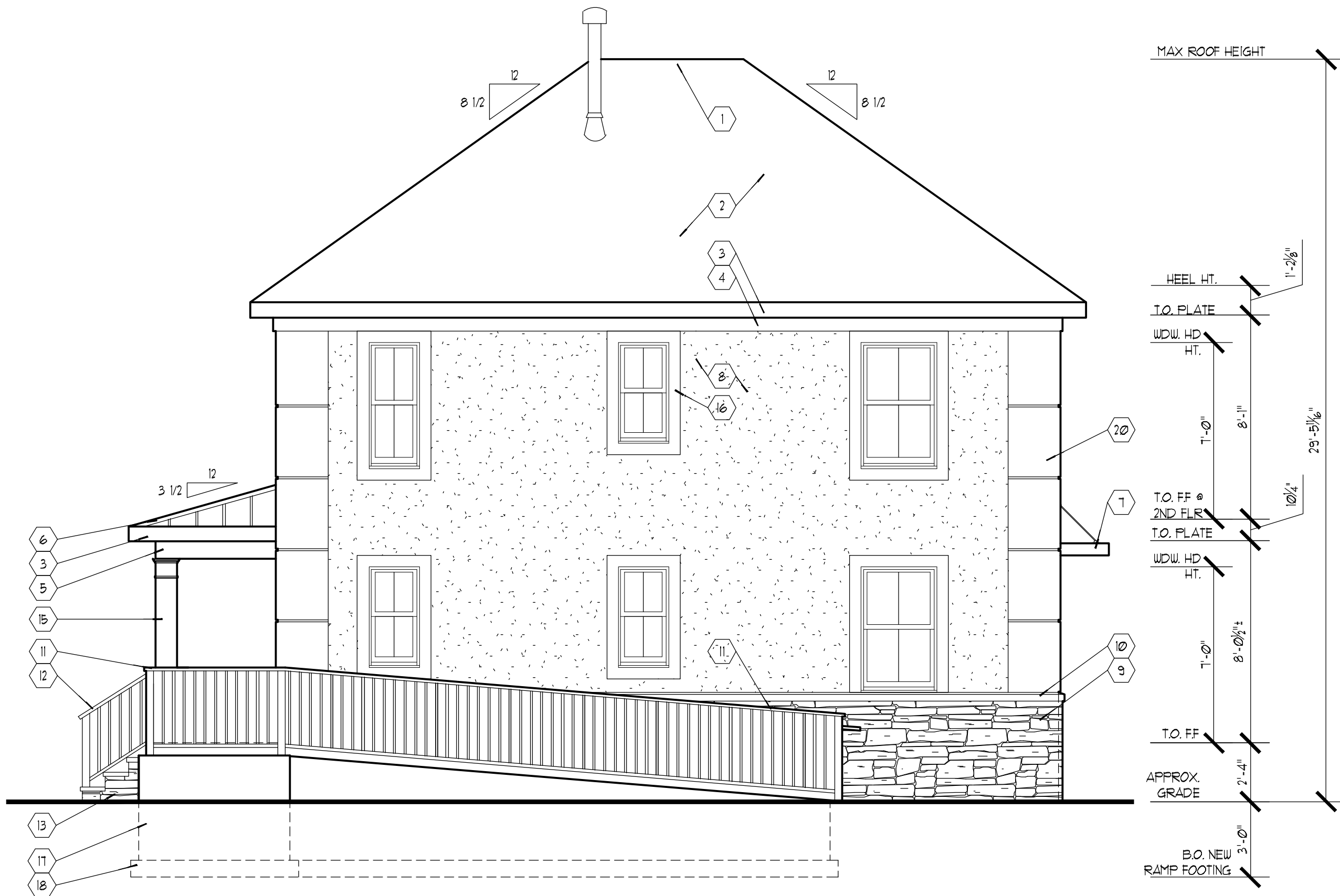
REV.	DATE	REVISION

DESIGNED JD	
DRAWN RAJJD	
CHECKED JH	
APPROVED JH	

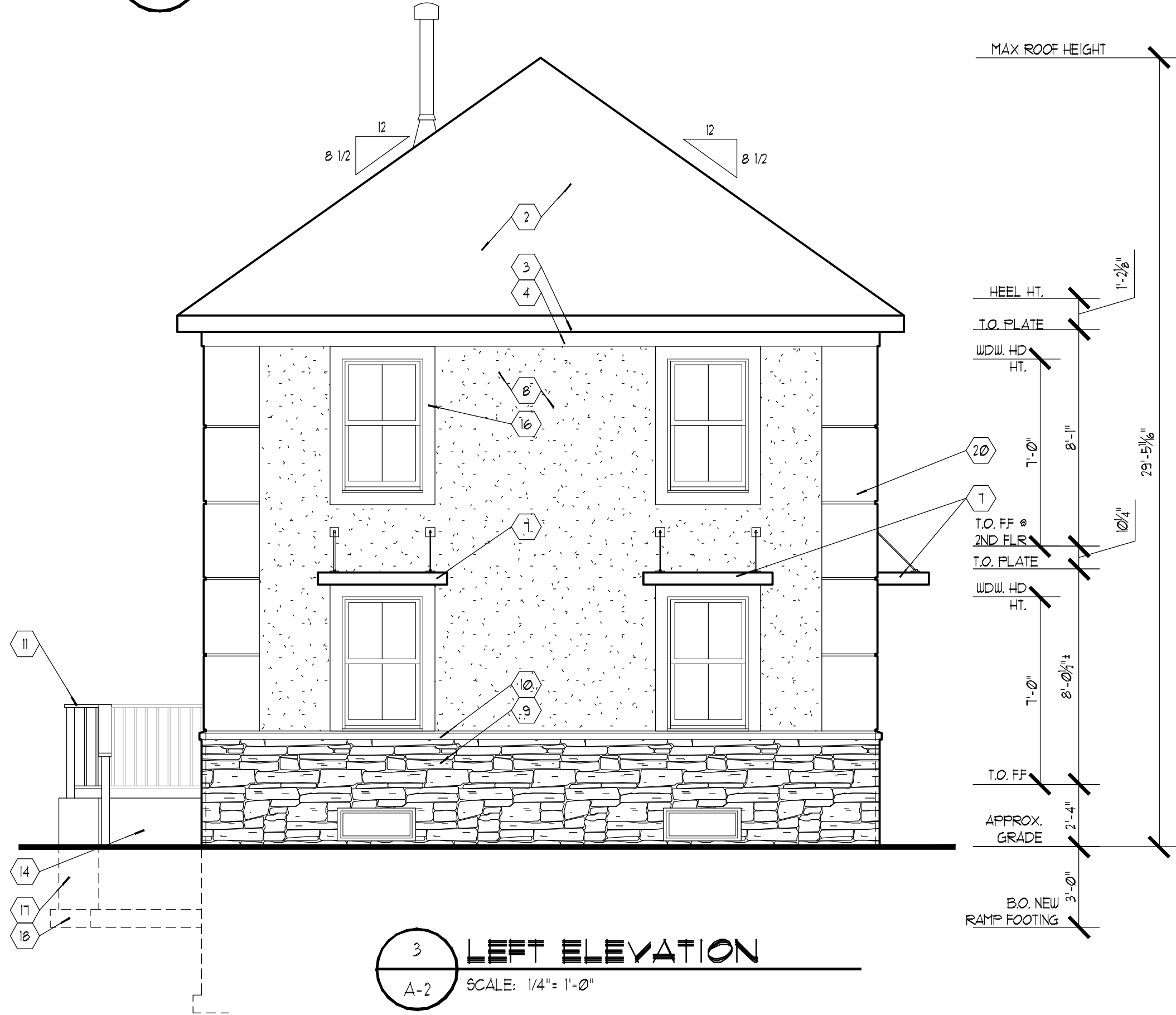
SHEET TITLE: FLOOR PLANS	
SCALE: AS NOTED	SHEET NO. A-1
PROJ. NO.: NRA-21003	
DATE: April XX, 2021	



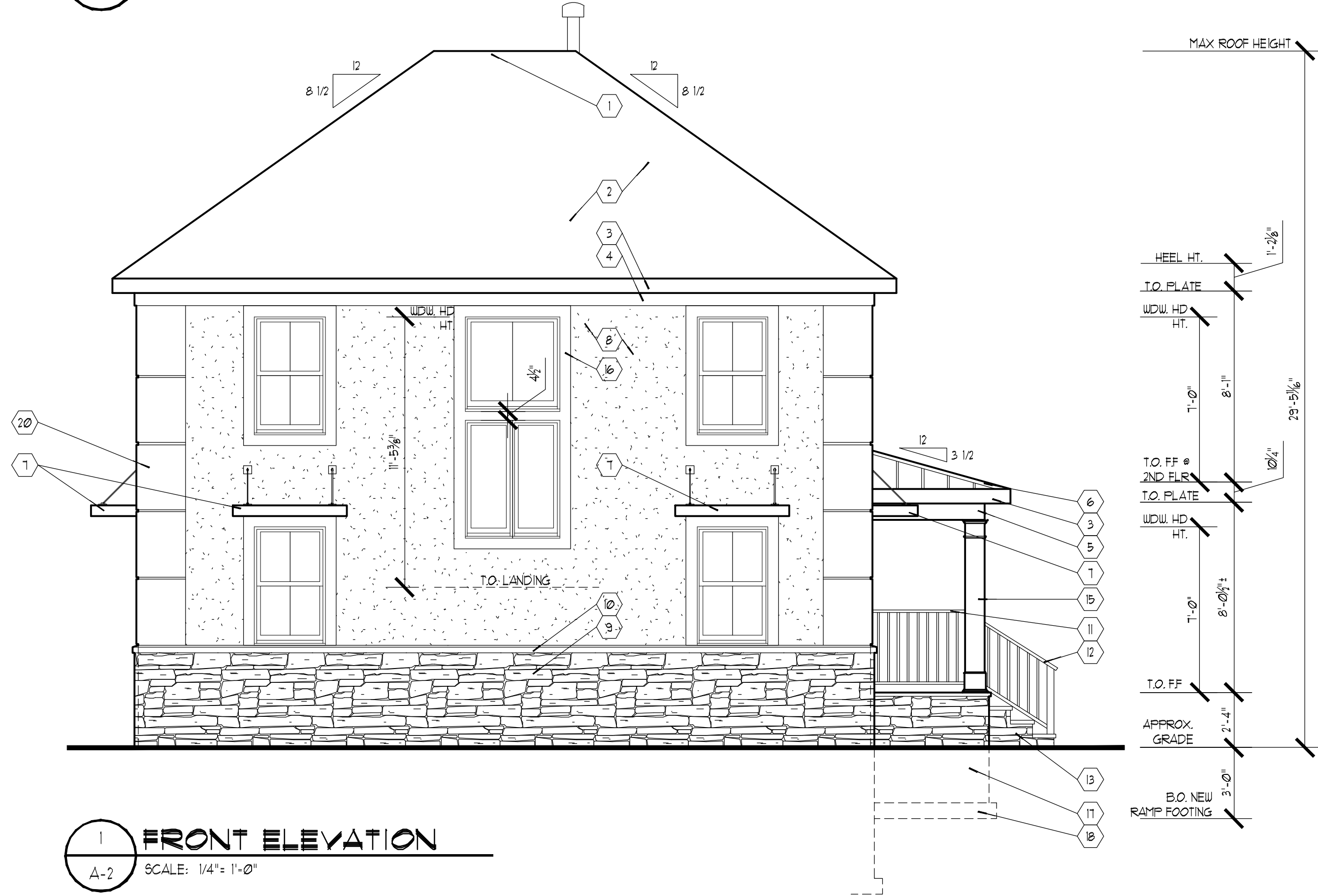
4 RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



2 REAR ELEVATION
SCALE: 1/4" = 1'-0"



3 LEFT ELEVATION
SCALE: 1/4" = 1'-0"



1 FRONT ELEVATION
SCALE: 1/4" = 1'-0"

EXTERIOR MATERIAL SCHEDULE

AS INDICATED BY THIS SYMBOL

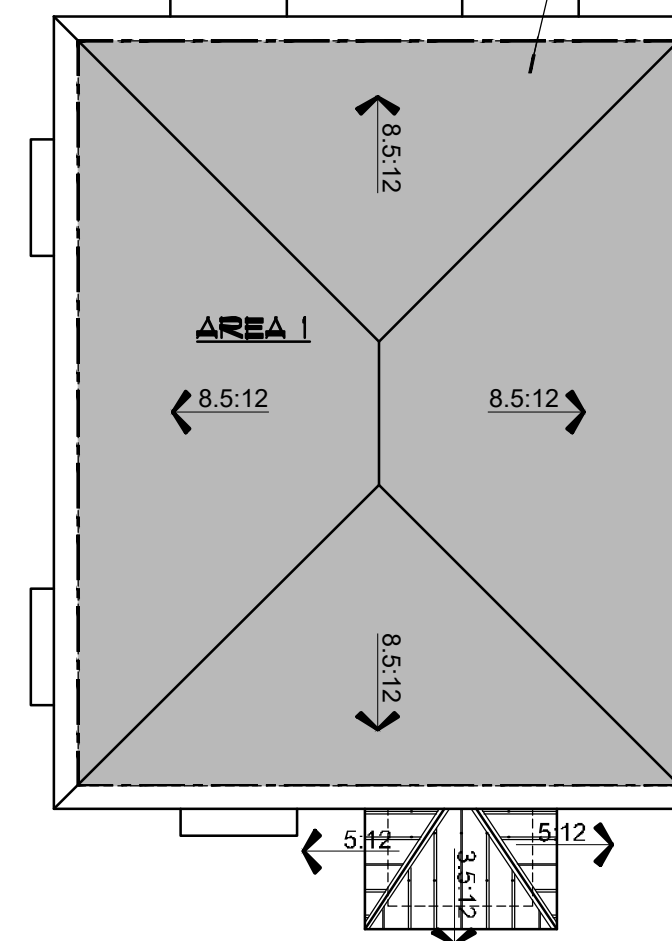
1. RIDGE VENTILATION (REFER TO ROOF VENTILATION PLANS)
2. ROOF SHINGLES
3. ALUMINUM WRAPPED 2 x 8 FASCIA BOARD
4. 2 x 8 FRIEZE BOARD
5. SYNTHETIC TRIM BOARD BEAM WRAP
6. STANDING SEAM METAL ROOF
7. PRE-MANUFACTURED SUSPENDED CANOPY ROOF
8. NEW (3) COAT STUCCO w/ TEXTURED FINISH
9. NEW MANUFACTURED STONE VENEER
10. NEW MANUFACTURED SLOPED STONE VENEER CAP / 6"ILL
11. 42" HIGH GUARDRAIL (SEE DETAIL 2/CD-1)
12. HANDRAIL # 34"-38" ABOVE TREAD NOSE. (SEE DETAIL 2/CD-1)
13. CONCRETE STEPS TO GRADE, AS REQUIRED
14. CONCRETE RAMP TO GRADE
15. 12" x 12" x 1'-4" HIGH SQUARE STRUCTURAL COLUMN w/ CAP & BASE TRIM
16. 6" SYNTHETIC WINDOW / DOOR TRIM SURROUND
17. NEW CONCRETE FOUNDATION WALL, SEE PLAN 1/A-1
18. NEW CONTINUOUS CONCRETE FOOTING, SEE PLAN 1/A-1
19. NEW ENTRY DOOR, SEE PLAN 1/A-2
20. NEW QUIONS w/ (3) COAT STUCCO w/ SMOOTH FINISH

NOTES:
1. GUTTERS AND DOWNSPOUTS ARE NOT SHOWN BUT ARE REQUIRED.
2. PROVIDE WALKABLE ICE AND WATER SHIELD ON ALL ROOF PITCHES 4:12 AND LESS

Zone Description (Area #)	
Attic Ventilation Calculations	
Total Sq. Ft. of Roof Area	= 779 Sq. Ft.
Total Ventilation Required (1/150) =	5.16 Sq. Ft.
Total Ventilation Req. converted to Sq. in. (x 144) =	743 Sq. in.
High/Low Venting Distribution (Equal Distribution 50%/50%)	
High Venting Required	50% 371.52 Sq. in.
Low Venting Required	50% 371.52 Sq. in.

Notes:
Attic ventilation calculations are based on requirements per section R806.2
"Minimum Vent Area" of the 2018 IRC, NJ ed. Contractor required to provide a balanced system as per the calculations above.

HATCH INDICATES R-49 BATT INSULATION,
(14" THICK - BASED ON REFERENCE
PRODUCT QUONS CORNING)
UNCOMPRESSED ROOF INSULATION AS
PER ASHRAE 90.1-2016 TABLE 5.5-4



5 ROOF PLAN
SCALE: 1/8" = 1'-0"

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DRAWN RA/JD	
CHECKED JH	
APPROVED JH	

SHEET TITLE:	
ELEVATIONS & ROOF PLAN	
SCALE: AS NOTED	SHEET NO.
PROJ. NO.: NRA-21003	A-2
DATE: April XX, 2021	

DATE	SET ISSUED
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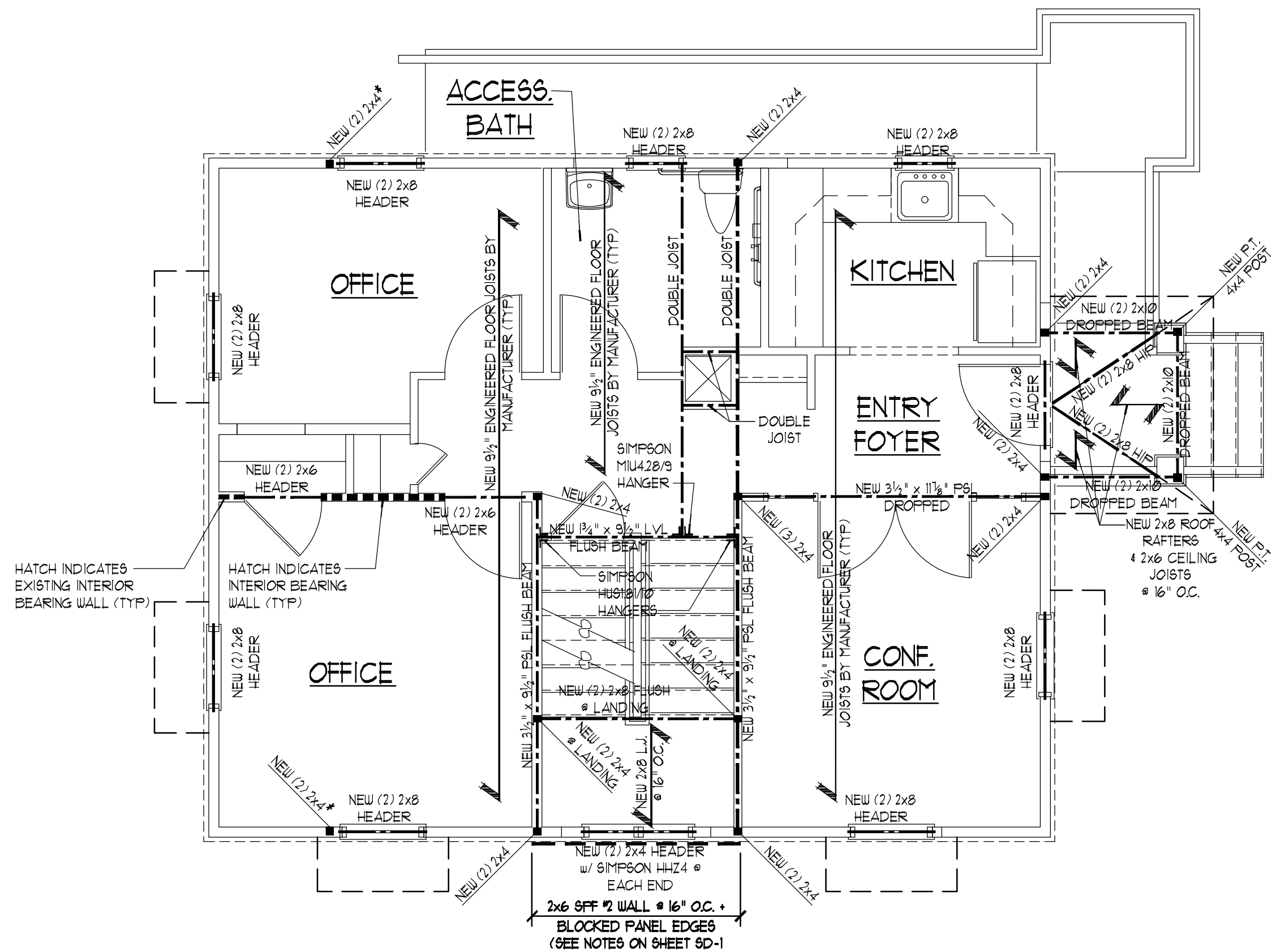


ABBREVIATIONS:

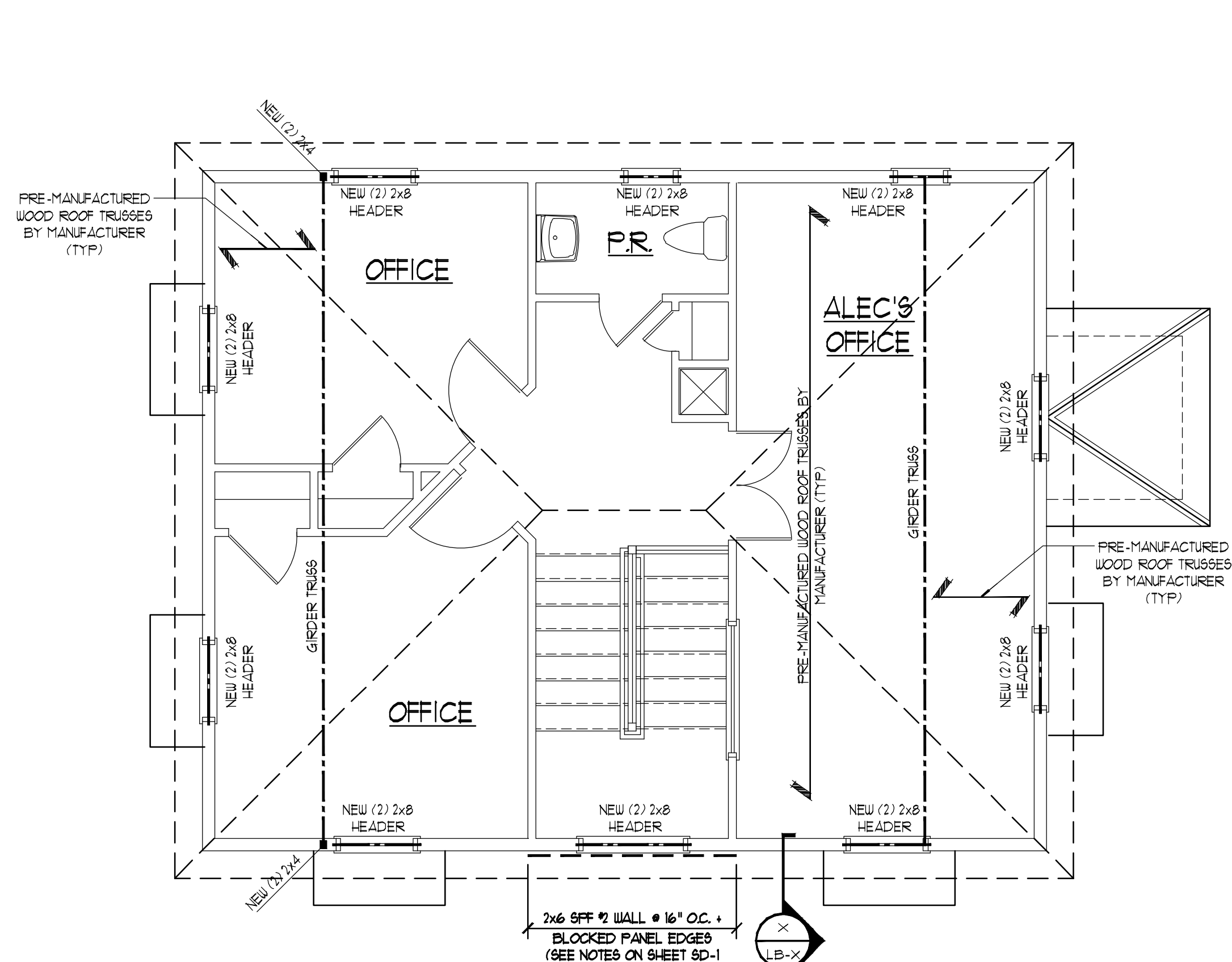
- * ABV. INDICATES ABOVE.
- * BF. INDICATES BALLOON FRAMED.
- * BLW. INDICATES BELOW.
- * BM. INDICATES BEAM.
- * BM. PKT. INDICATES BEAM POCKET.
- * BWIA. INDICATES BEARING WALL ABOVE.
- * CANT.D. INDICATES CANTILEVERED.
- * C.I. INDICATES CEILING JOISTS.
- * C.F. INDICATES FLOOR JOISTS.
- * HDR. INDICATES HEADER.
- * L.I. INDICATES 2x8 LANDING JOISTS @ 16" O.C.
- * OF. INDICATES OVERFRAME.
- * P.A.* INDICATES POINT LOAD ABOVE w/ SOLID 2x BLOCKING TO MATCH POST ABOVE.
- * RR. INDICATES ROOF RAFTERS.
- * SWIA. INDICATES SHEAR WALL ABOVE.
- * UNO. INDICATES UNLESS NOTED OTHERWISE.
- * * : PROVIDE 2x SOLID BLOCKING IN FLOOR SYSTEM UNDER POSTS ABOVE.

LEGEND:

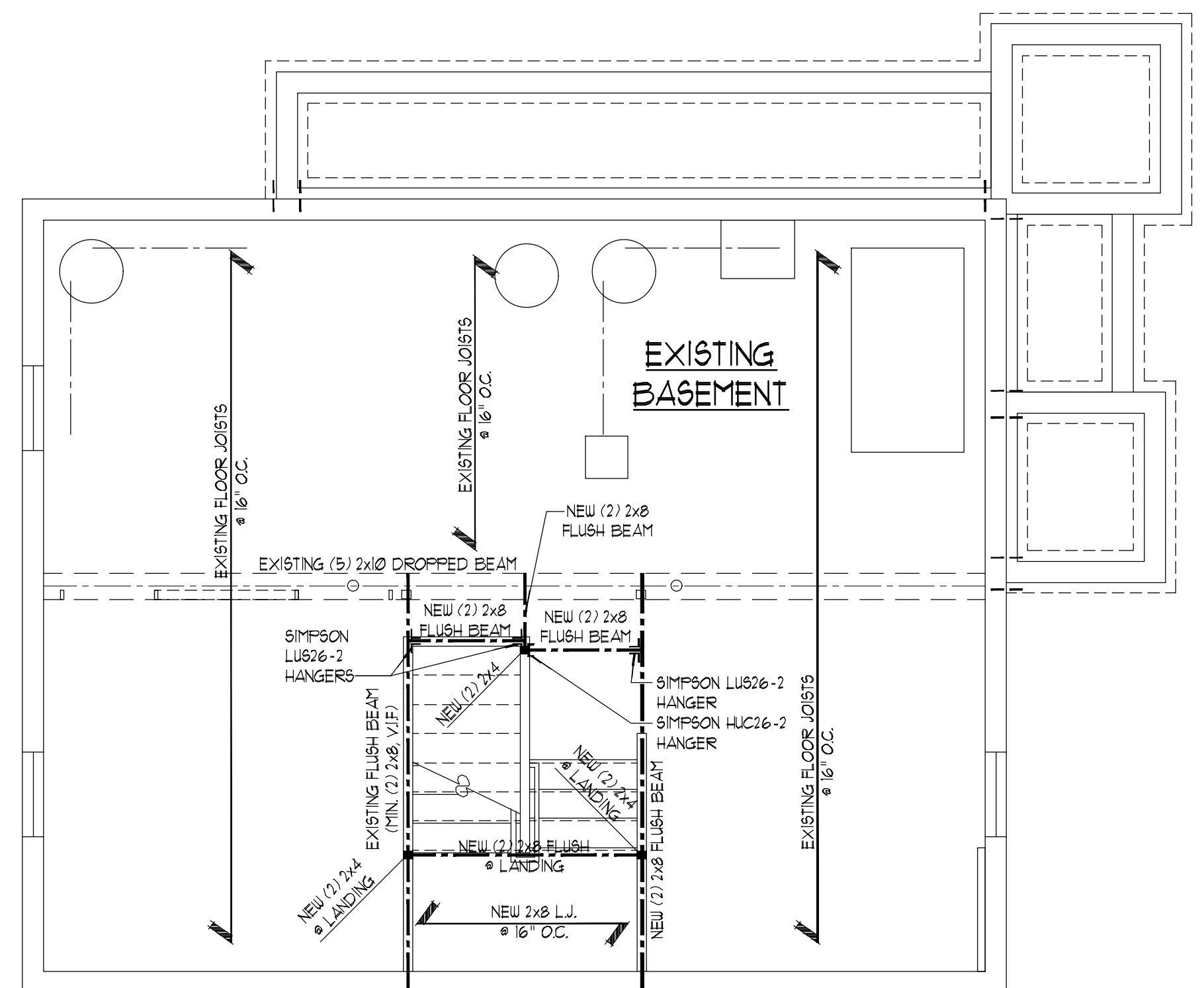
-  INTERIOR BEARING WALL
-  BEARING WALL ABOVE
-  BEAM / HEADER
-  EXTENT OF OVERFRAMING
-  JL METAL HANGER



2 SECOND FLOOR FRAMING PLAN
FP-1 SCALE: 1/4" = 1'-0"



3 ROOF FRAMING PLAN
FP-1 SCALE: 1/4" = 1'-0"



1 FIRST FLOOR FRAMING PLAN
FP-1 SCALE: 1/4" = 1'-0"

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560 ROUTE 73
NORTH BERLIN, NEW JERSEY, 08091

ALEC PRICE

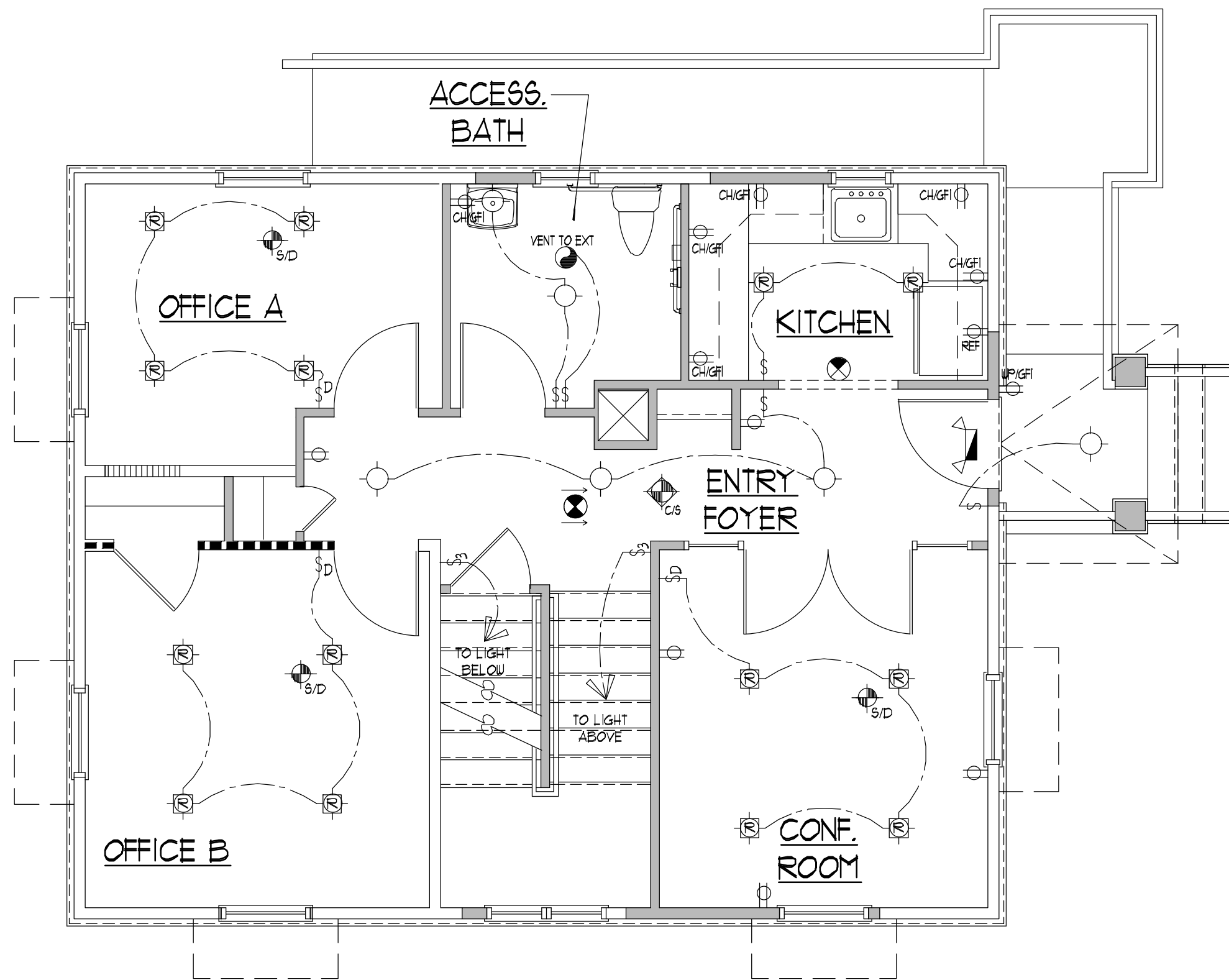
REV.	DATE	REVISION

DESIGNED	JD
DRAWN	RA/JD
CHECKED	JH
APPROVED	JH

SHEET TITLE:

FRAMING PLANS

SCALE:	AS NOTED	SHEET NO. <div style="font-size: 2em; font-weight: bold;">FP-1</div>
PROJ. NO.:	NRA-21003	
DATE:	April XX, 2021	



2 FIRST FLOOR ELECTRICAL PLAN
E-1 SCALE: 1/4" = 1'-0"

ELECTRICAL SYMBOLS

⦿

RECEPTACLE

⦿

RECEPTACLE w/ TOP HALF SWITCHED

⦿

WATERPROOF GROUND FAULT PROTECTED RECEPTACLE

⦿

COUNTER HEIGHT GROUND FAULT PROTECTED RECEPTACLE

⦿

EXISTING RECEPTACLE

⦿

SWITCH, 3-WAY, 4-WAY

⦿

DIMMER SWITCH

⦿

CEILING FAN CONTROL SWITCH

⦿

EXISTING SWITCH

⦿

CEILING MOUNTED LIGHT FIXTURE

⦿

WALL MOUNTED LIGHT FIXTURE

⦿

FULL CHAIN LIGHT FIXTURE

⦿

COMBINATION SMOKE DETECTOR/ CARBON MONOXIDE ALARM

⦿

SMOKE DETECTOR

⦿

VENT TO EXT

⦿

EXHAUST FAN

⦿

FAN / LT COMBO

⦿

VENT TO EXT

⦿

EXHAUST FAN / LIGHT COMBO

⦿

RECESSED LIGHT FIXTURE

⦿

FLUORESCENT LIGHT

⦿

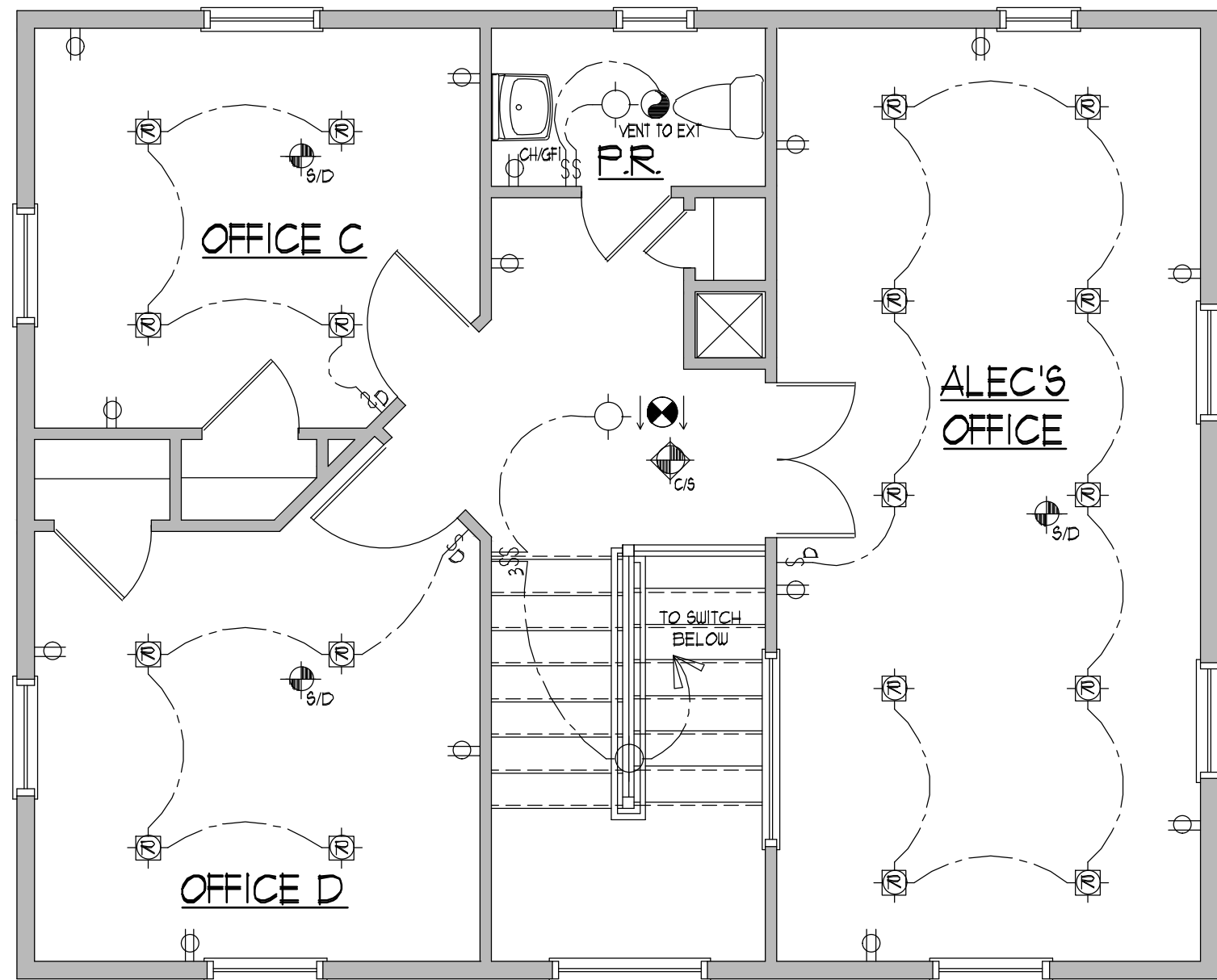
ELECTRIC PANEL

⦿

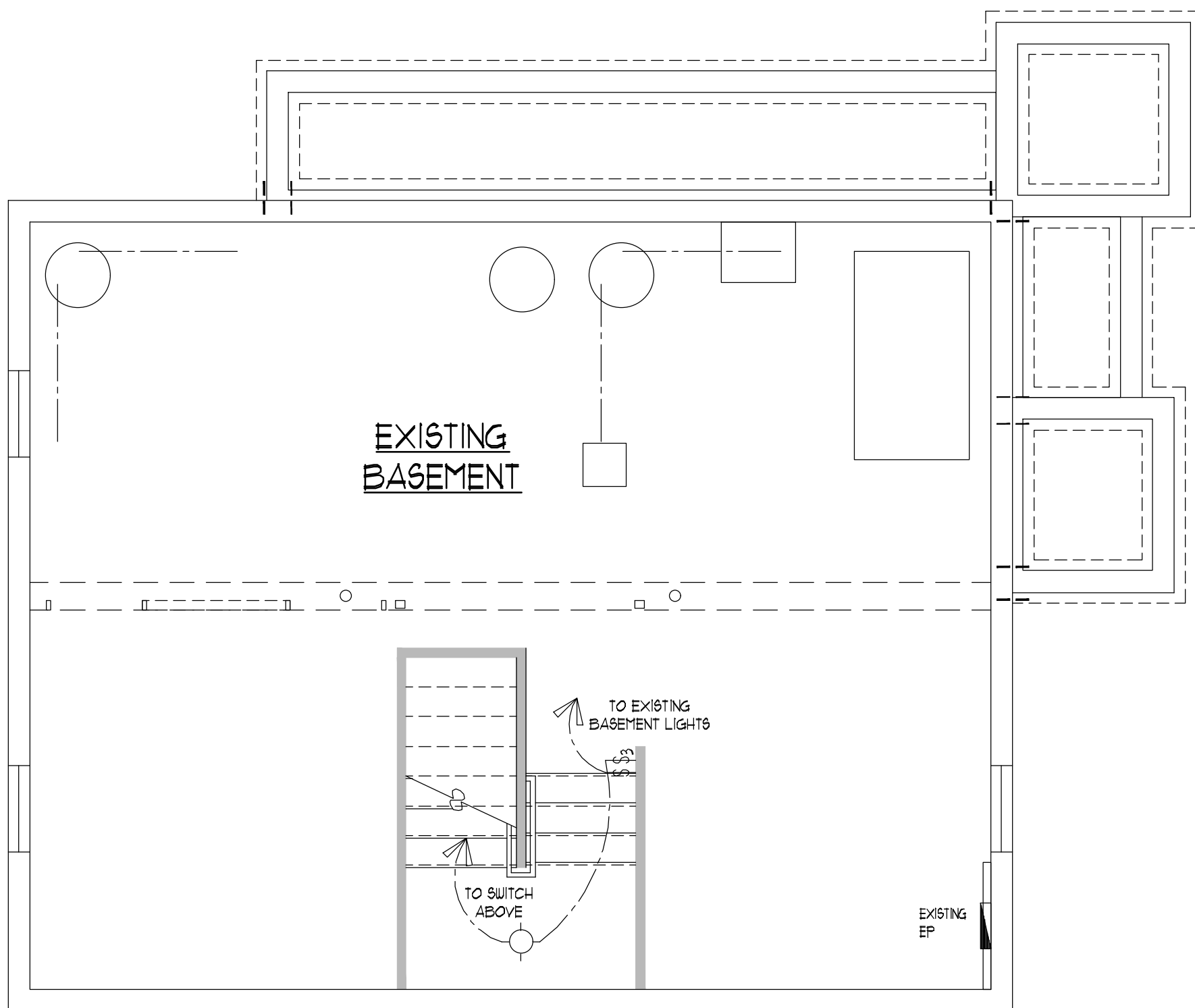
ILLUMINATED EXIT SIGN

⦿

COMBINATION EXIT SIGN + EMERGENCY LIGHT FIXTURE

NOTES:
1. ALL INTERIOR & EXTERIOR (WEATHER RESISTANT) OUTLETS TO BE "TAMPER RESISTANT".
2. ALL CIRCUITS TO BE ARC FAULT PROTECTED.
3. ALL LIGHT FIXTURES WITHIN BATHROOMS AND TOILET ROOMS ARE TO BE SUITABLE FOR USE IN HIGH MOISTURE LOCATIONS.
4. ALL RECESSED LIGHTS TO BE IC-RATED
5. A MINIMUM OF 90% OF BULBS IN PERMANENTLY INSTALLED FIXTURES SHALL BE HIGH EFFICACY BULBS

3 SECOND FLOOR ELECTRICAL PLAN
E-1 SCALE: 1/4" = 1'-0"

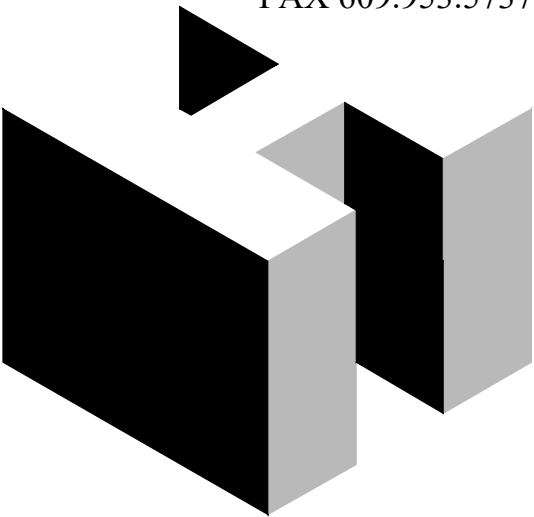


1 BASEMENT/FOUNDATION PLAN
E-1 SCALE: 1/4" = 1'-0"

DATE	SET ISSUED
4-16-21	ISSUED FOR ENGINEERING
4-21-21	ISSUED FOR CLIENT REVIEW
5-26-21	ISSUED FOR PLANNING BOARD REVIEW

ISSUED FOR
PLANNING BOARD
REVIEW: 05/21/21

HOLLIDAYARCHITECTS
Incorporated
Jackson Commons, Suite A-4
30 Jackson Road
Medford, NJ 08055
609.953.5373
FAX 609.953.5737



PROJECT:
PROPOSED ADDITION/RENOVATION
560 ROUTE 73
NORTH BERLIN, NEW JERSEY, 08091

CLIENT:
ALEC PRICE

REV.	DATE	REVISION

DESIGNED
JD

DRAWN
RA/JD

CHECKED
JH

APPROVED
JH

SHEET TITLE:
ELECTRICAL
PLANS

SCALE: AS NOTED
PROJ. NO.: NRA-21003
DATE: April XX, 2021

SHEET NO.
E-1

