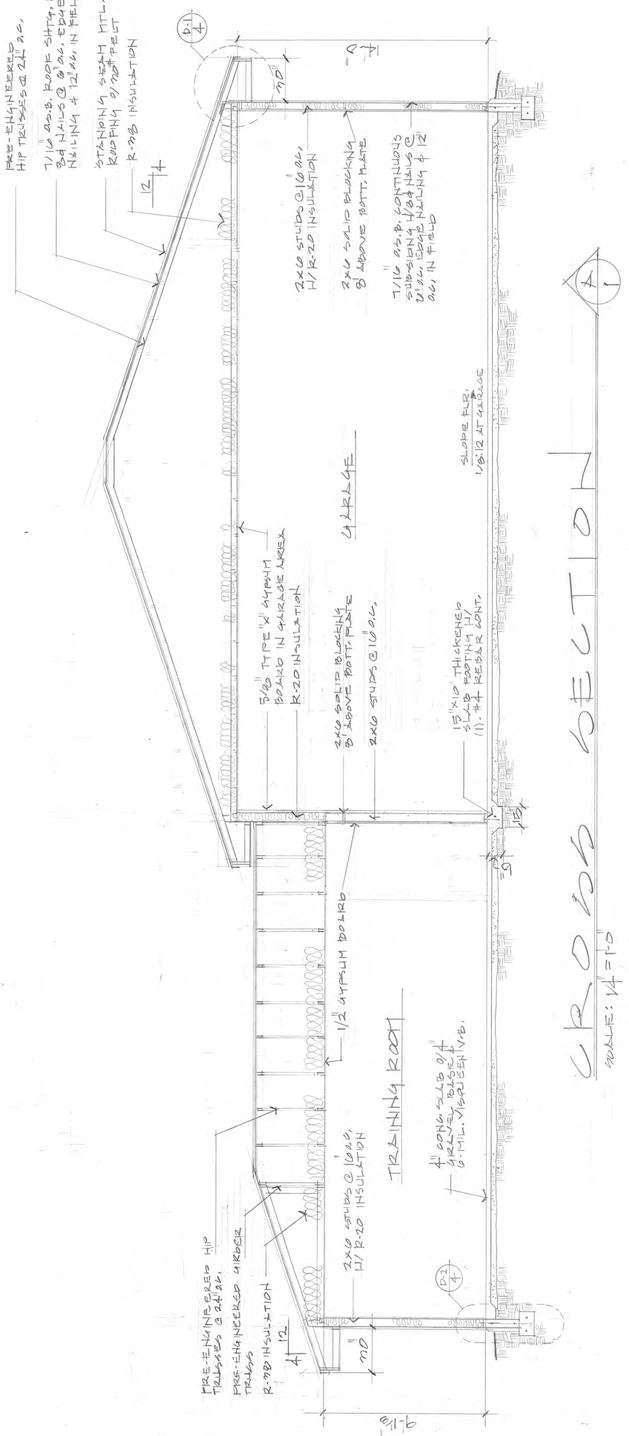


CROSS SECTION

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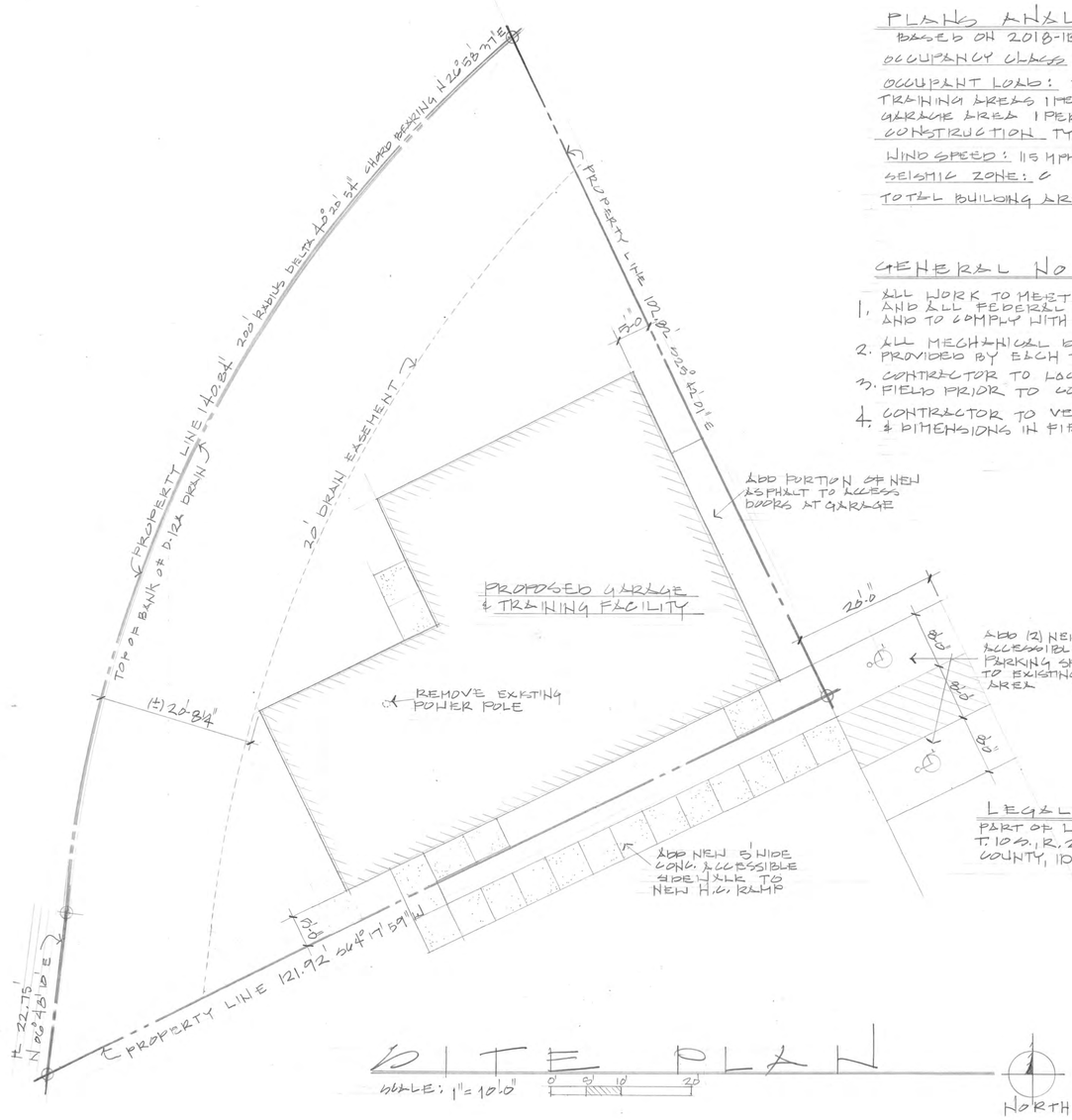


## PLANS ANALYSIS:

BASED ON 2018-IBC

OCCUPANCY CLASS: B & S-2

OCCUPANT LOAD: 27
TRAINING AREAS 1 PER 50 = 16
GARAGE AREA 1 PER 200 = 1
CONSTRUCTION TYPE: V-A (GARAGE 1-HR)

WIND SPEED: 115 MPH

SEISMIC ZONE: C

TOTAL BUILDING AREA: 2704 SQ.FT.

## GENERAL NOTES:

1. ALL WORK TO MEET OR EXCEED 2018 IBC AND ALL FEDERAL & STATE CODES & ORD. AND TO COMPLY WITH ALL ADA STANDARDS
2. ALL MECHANICAL DRAWINGS TO BE PROVIDED BY EACH TRADE AS REQ'D.
3. CONTRACTOR TO LOCATE ALL UTILITIES IN FIELD PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO VERIFY ALL CONDITIONS & DIMENSIONS IN FIELD PRIOR TO CONST.

## LEGAL DESCRIPTION:

PART OF LOT #10 SECTION 17, T. 10 S., R. 23 E., B.M. MINIDOKA COUNTY, IDAHO

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# A NEW GARAGE & TRAINING AREA

MINIDOKA COUNTY SHERIFF

PART OF LOT #10 SECTION 17, T. 10 S., R. 23 E., B.M. MINIDOKA COUNTY, IDAHO

VERZUNT VELT + ASSOC.

PLANNING + DESIGN
TWIN FALLS, IDAHO
(208) 733-2104

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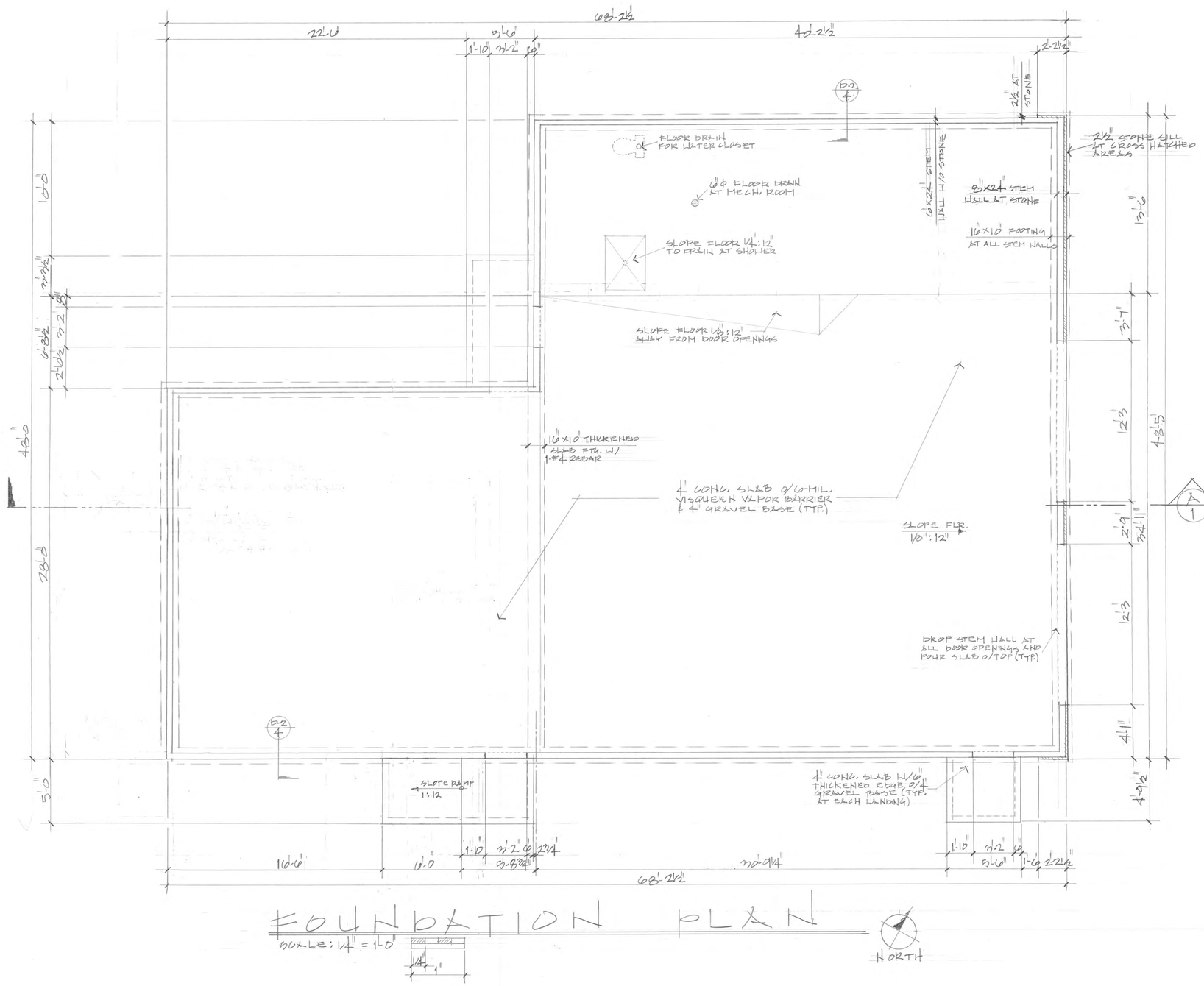


# FOUNDATION PLAN

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

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MICHAEL
VERZUYT
ARCHITECT
HINDKA CO SHERIFF

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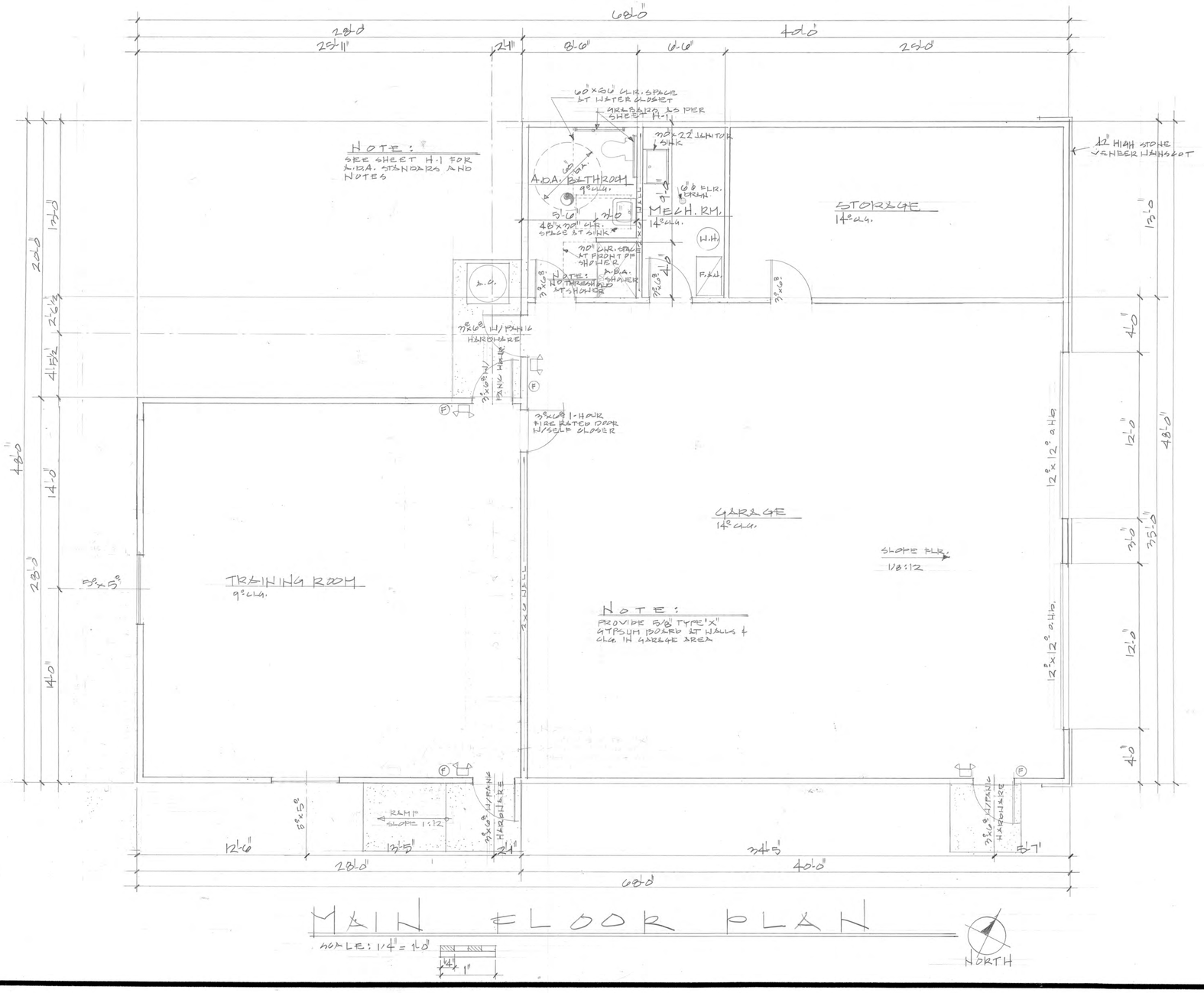


# MAIN FLOOR PLAN

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

NORTH

AREA TABULATION:

TRAINING AREA: 781 SQ.FT.
STORAGE AREA: 325 SQ.FT
BATHROOM & MECH.RM.: 195 SQ.FT.
GARAGE: 1400 SQ.FT.
TOTAL BUILDING AREA: 2704 SQ.FT.

LEGEND:

- (S) 5-MINUTE EXHAUST FAN TO OUTSIDE
- ILLUMINATED EXIT SIGN & EMERGENCY LIGHTING W/ BATTERY BACK UP
- (F) 5LBS. ABC FIRE EXTINGUISHER

MINOOKA CO. SHERIFF

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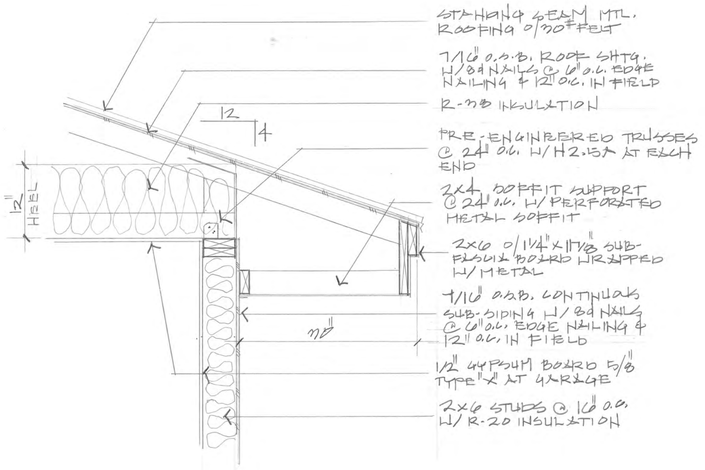
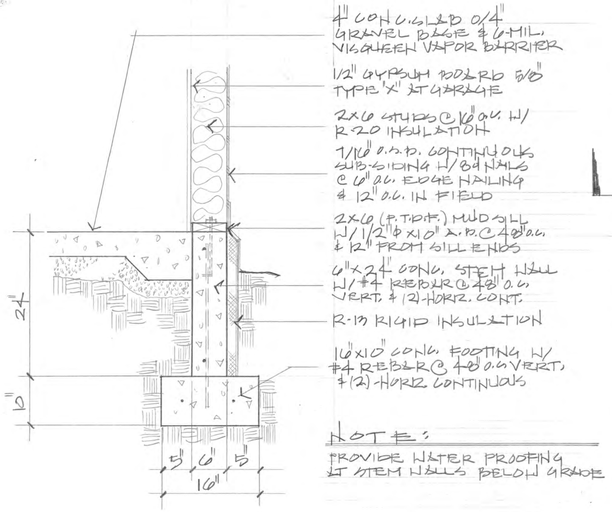
| OF | 6 SHEETS |




# EAVE DETAIL

SCALE: 1" = 1'-0"

D-1 / 4




NOTE:
PROVIDE WATER PROOFING AT STEM WALLS BELOW GRADE

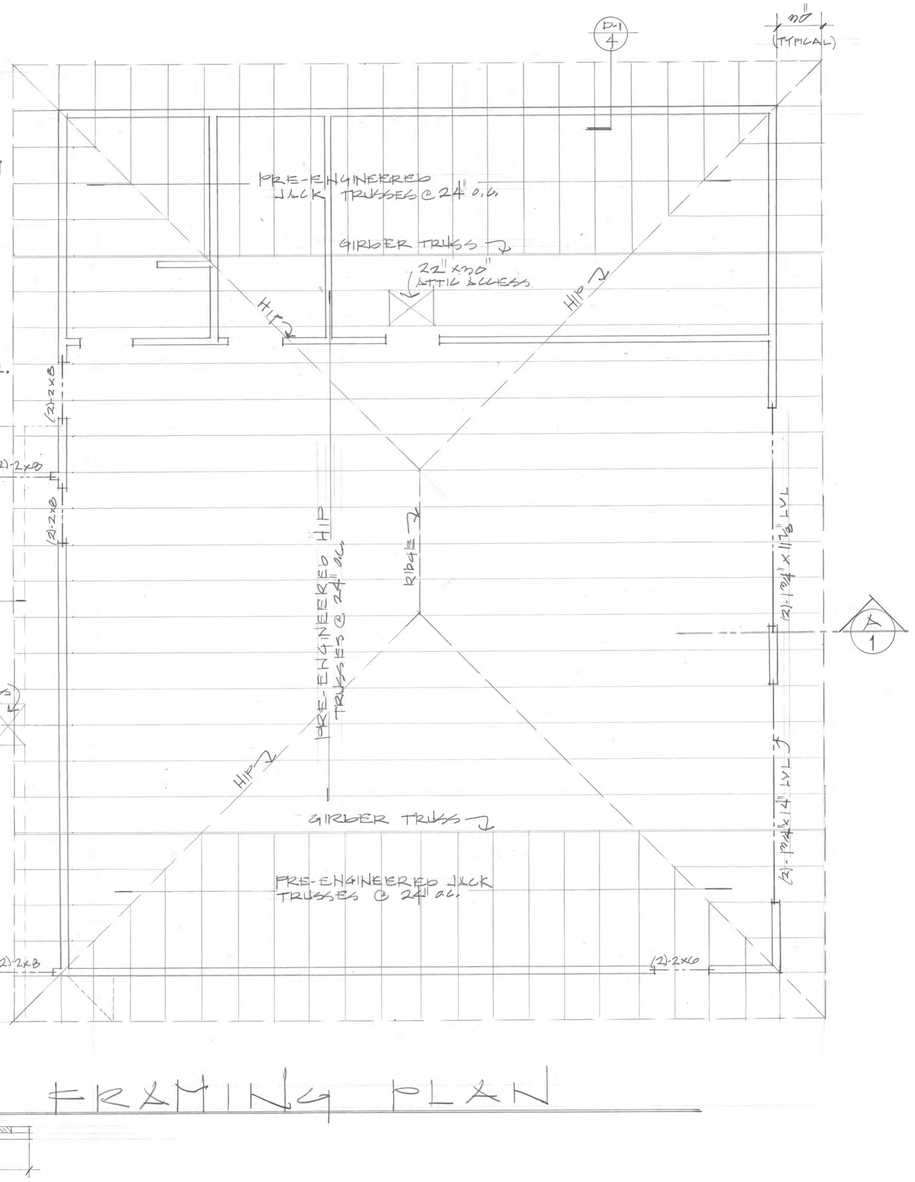
# FOOTING DETAIL

SCALE: 1" = 1'-0"

D-2 / 4

## FRAMING NOTES:

1. ALL TRUSSES TO BE PRE-ENGINEERED W/ 12" ENERGY HEEL. SHOP DRAWINGS ARE REQ'D. BY MANUFACTURER.
2. USE 7/16" O.S.B. AS ROOF SHEATHING & NAIL W/ 8d NAILS @ 6" O.C. EDGE NAILING & 12" O.C. IN FIELD.
3. USE 2x6 STUDS @ 16" O.C. AT ALL EXTERIOR WALLS AND 2x4 STUDS @ 16" O.C. AT INTERIOR WALLS (U.N.O.)
4. PROVIDE 7/16" O.S.B. CONTINUOUS SUB-SIDING AT ALL EXTERIOR WALLS & NAIL W/ 8d NAILS @ 6" O.C. EDGE NAILING & 12" O.C. IN FIELD.
5. PROVIDE 2x6 FIRE BLOCKING AT 14' WALLS 8' ABOVE BOTT. SILL PLATE.




# ROOF FRAMING PLAN

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

1/4" x 1"

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MICHAEL VERZWYVELT + ASSOC.

1 WINDSOR CO SHERIFF

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| SCALE | AS NOTED |
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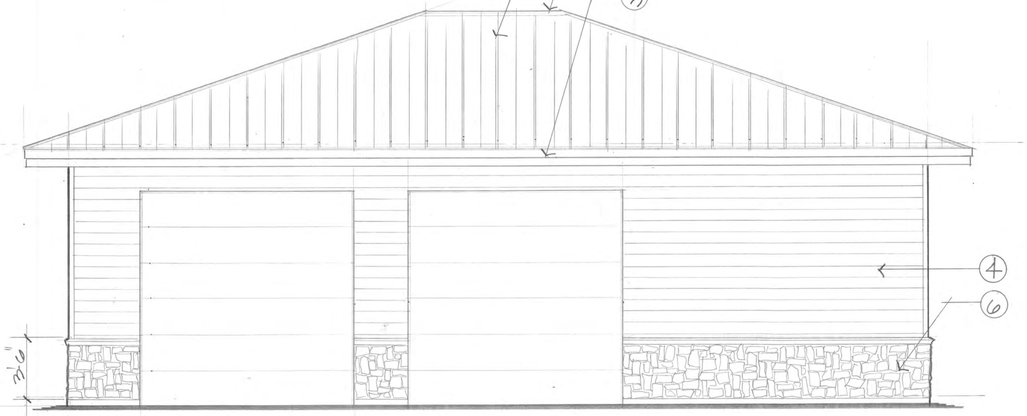
SOUTH ELEVATION

SCALE: 1/4"=1'0"

WEST ELEVATION

SCALE: 1/4"=1'0"




EAST ELEVATION

SCALE: 1/4"=1'0"

NORTH ELEVATION

SCALE: 1/4"=1'0"

## KEYED NOTES:

1. STANDING SEAM METAL ROOFING O/ m0# FELT
2. CONTINUOUS METAL RIDGE VENT
3. 2x6 O/ 1'4" x 11 7/8" SUB-FASCIA BOARD WRAPPED W/ METAL
4. HORIZONTAL METAL SIDING O/ 15# FELT
5. VERTICAL METAL SIDING O/ 15# FELT
6. 42" HIGH CULTURED STONE VENEER O/ 15# FELT

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MINNEHAHA CO. SHERIFF

MICHAEL VERZUH VELT + ASSOC

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**501 General**

**501.1 Scope.** General site and building elements required to be accessible by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 5.

**502 Parking Spaces**

**502.1 General.** Accessible car and van parking spaces shall comply with Section 502.

**502.2 Vehicle Space Size.** Car parking spaces shall be 96 inches (2440 mm) minimum in width. Van parking spaces shall be 132 inches (3350 mm) minimum in width.

**EXCEPTION:** Van parking spaces shall be permitted to be 96 inches (2440 mm) minimum in width where

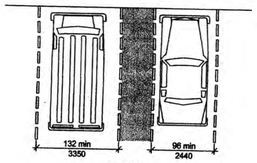



FIG. 502.2
VEHICLE PARKING SPACE SIZE

the adjacent access aisle is 96 inches (2440 mm) minimum in width.

**502.3 Vehicle Space Marking.** Car and van parking spaces shall be marked to define the width. Where parking spaces are marked with lines, the width measurements of parking spaces and adjacent access aisles shall be made from the centerline of the markings.

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

**502.4 Access Aisle.** Car and van parking spaces shall have an adjacent access aisle complying with Section 502.4.

**502.4.1 Location.** Access aisles shall adjoin an accessible route. Two parking spaces shall be permitted to share a common access aisle. Access aisles shall not overlap with the vehicular way. Parking spaces shall be permitted to have access aisles placed on either side of the car or van parking space. Van parking spaces that are angled shall have access aisles located on the passenger side of the parking space.

**502.4.2 Width.** Access aisles serving car and van parking spaces shall be 60 inches (1525 mm) minimum in width.

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

**502.4.4 Marking.** Access aisles shall be marked so as to discourage parking in them. Where access aisles are marked with lines, the width measurements of access aisles and adjacent parking spaces shall be made from the centerline of the markings.

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

**502.5 Floor Surfaces.** Parking spaces and access aisles shall comply with Section 302 and have surface slopes not steeper than 1:48. Access aisles shall be at the same level as the parking spaces they serve.

**502.6 Vertical Clearance.** A vertical clearance of 98 inches (2490 mm) minimum shall be provided at the following locations:

1. Parking spaces for vans.
2. The access aisles serving parking spaces for vans.
3. The vehicular routes serving parking spaces for vans.

**502.7 Identification.** Where accessible parking spaces are required to be identified by signs, the signs shall include the International Symbol of Accessibility complying with Section 703.6.3.1. Signs identifying van parking spaces shall contain the designation "van accessible." Such signs shall be 60 inches (1525 mm) minimum above the floor of the parking space, measured to the bottom of the sign.

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

**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.

**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.

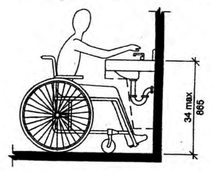



FIG. 606.3
HEIGHT OF LAVATORIES AND SINKS

**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.

**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.

**EXCEPTION:** Other than within Accessible dwelling or sleeping units, mirrors are not required over the lavatories or counters if a mirror is located within the same toilet or bathing room and mounted with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the floor.

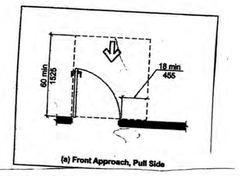
**404 Doors and Doorways**

**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 Section 404.2.

**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 more than 24 inches (610 mm) in depth at doors and doorways without doors shall provide a clear opening width of 36 inches (915 mm) minimum. There shall be no projections into the clear opening width lower than 34 inches (865 mm) above the floor. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the floor shall not exceed 4 inches (100 mm).




(a) Front Approach, Pull Side

**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.

**404.2.3 Maneuvering Clearances.** 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 404.2.3.2.

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

**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 $^{1}/_{4}$ 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.

**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 shall not be required to comply with Section 404.2.6.

**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 an 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

**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.

**EXCEPTION:** In existing buildings or facilities, ramps shall be permitted to have slopes steeper than 1:12 complying with Table 405.2 where such slopes are necessary due to space limitations.

**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 the bottom and top of each ramp run. Landings shall comply with Section 405.7.

**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 a door that is subject to locking is located adjacent to a ramp landing, the landing 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.

**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 604.9. Ambulatory accessible compartments shall comply with Section 604.10.

**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 and 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 and 19 inches (485 mm) maximum from the side wall or partition.

**604.3 Clearance.**

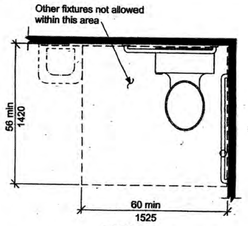



FIG. 604.3
SIZE OF CLEARANCE FOR WATER CLOSET

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

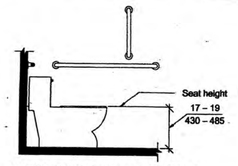
**604.3.2 Clearance Depth.** Clearance around the water closet shall be 56 inches (1420 mm) minimum in depth, measured perpendicular from the rear wall.

**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 seats 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.

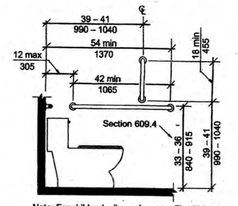
**604.5 Grab Bars.** Grab bars for water closets shall comply with Section 609 and shall be provided in accordance with Sections 604.5.1 and 604.5.2. Grab bars shall be provided on the rear wall and on the side wall closest to the water closet.




Note: For children's dimensions see Fig. 604.11.4

FIG. 604.4
WATER CLOSET SEAT HEIGHT

**604.5.1 Fixed Side Wall Grab Bars.** Fixed side-wall grab bars shall be 42 inches (1065 mm) minimum in length, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall. In addition, a vertical grab bar 18 inches (455 mm) minimum in length shall be mounted with the bottom of the bar located 39 inches (990 mm) minimum and 41 inches (1040 mm) maximum above the floor, and with the center line of the bar located 39 inches (990 mm) minimum and 41 inches (1040 mm) maximum from the rear wall.




Note: For children's dimensions see Fig. 609.4.2

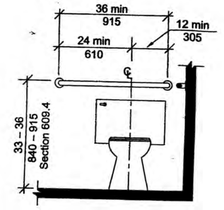
FIG. 604.5.1
SIDE WALL GRAB BAR FOR WATER CLOSET

**EXCEPTION:** The vertical grab bar at water closets primarily for children's use shall comply with Section 609.4.2.

**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.
2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, that grab bar shall be permitted to be split or shifted to the open side of the toilet area.




Note: For children's dimensions see Fig. 609.4.2

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. Where the dispenser is located above the grab bar, the outlet of the dispenser shall be located within an area 24 inches (610 mm) minimum and 36 inches (915 mm) maximum from the rear wall. Where the dispenser is located below the grab bar, the outlet of the dispenser shall be located within an area 24 inches (610 mm) minimum and 42 inches (1065 mm) maximum from the rear wall. The outlet of the dispenser shall be located 18 inches (455 mm) minimum and 48 inches (1220 mm) maximum above the floor. Dispensers shall comply with Section 609.3. Dispensers shall not be of a type that control delivery, or do not allow continuous paper flow.

**604.8 Coat Hooks and Shelves.** Coat hooks provided within toilet compartments shall be 48 inches (1220 mm) maximum above the floor. Shelves shall be 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the floor.

ACCESSIBILITY REGULATIONS

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