

To anyone working on these plans, if there is an inconsistency and you do not call before moving forward, you are then responsible for any discrepancy!!

Current code: 2021 IRC  
Structural Sheathing plans must comply with R503.2.1.1(1)

Fortified Gold Standard Certification is required  
See Fortified Gold Standards for reference -Attachments A & B

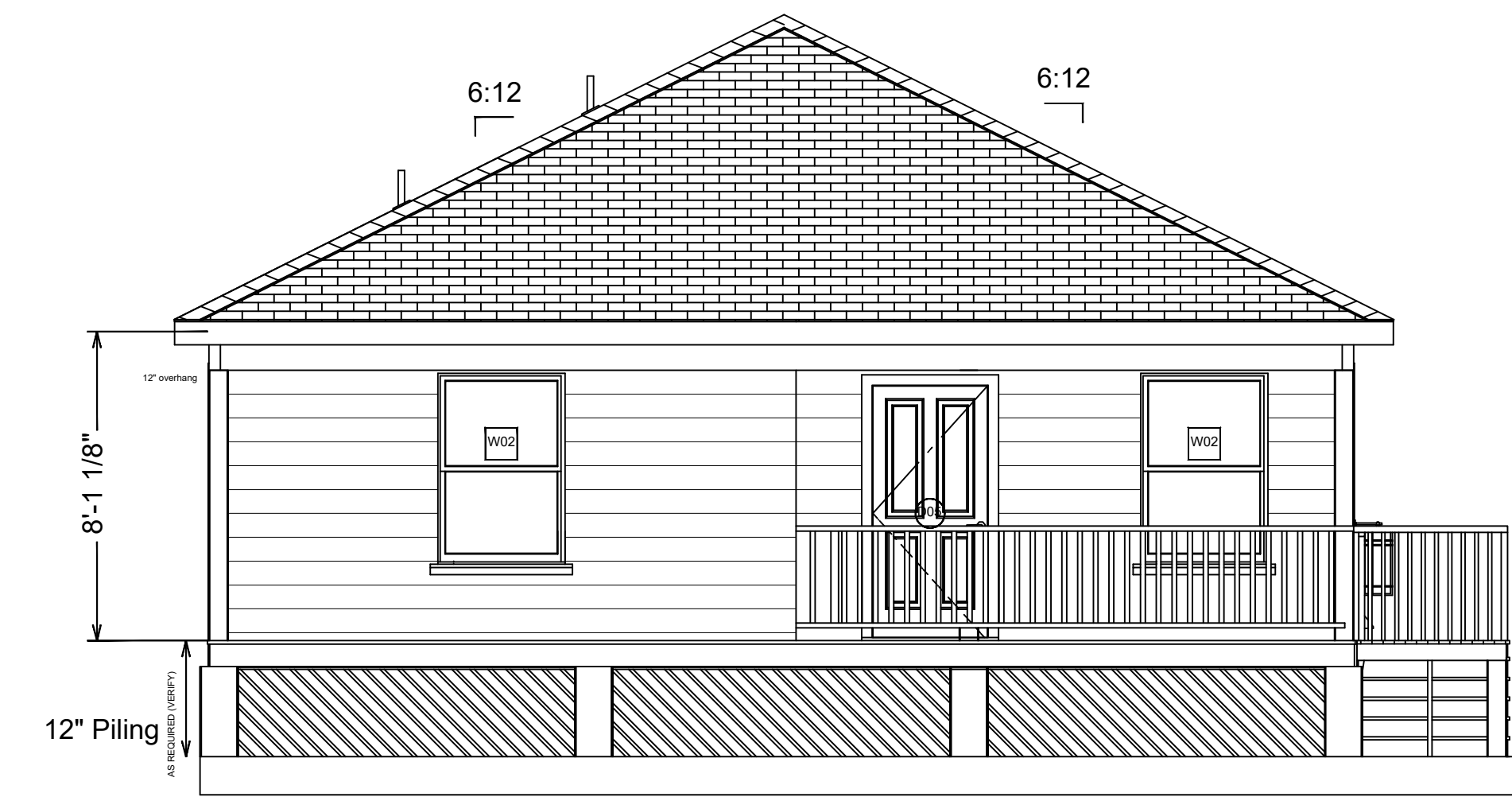
See Fortified Gold Standards for reference:

- FRS-1 and FRS-2 - Enhanced Roof Deck Attachment
- F-SRD-2 - Sealed Roof Deck
- F-DE-1 - Locked Down Roof Edges
- F-RC-1 - Impact-Resistant Shingles Rated by IBHS
- F-GS-1 - Wind and Rain-Resistant Attic Vents
- F-CDT-1 - Chimney Bracing
- F-S-1 - Reinforced Soffits
- F-GE-1 - Gable End Bracing

- \* Pressure-rated Windows & Doors See Fortified Home Standard 2020 5.2-5.3
- \* Stronger Exterior Sheathing- See Fortified Home Standard 2020 6.3
- \* Engineered Roof-to-Wall Connections-See Fortified Home Standard 2020 Appendix F- Bullet 5
- \* Engineered Wall-to-Foundation Connections See Fortified Home Standard 2020 Appendix F- Bullet 8
- \* Impact Protection for Window & Doors See Fortified Home Standard 2020 2.7

Wood stud walls to be capped with double top plate [IRC 602.3.2]  
Exterior side of exterior wall, sheathing to be continuously sheathed with a minimum 7/16" wood structural panels [IRC 602.12.2]  
Exterior structural wood sheathing shall be 8d common or 10d box nailed 6" o.c. at edges and 12" o.c. in the field [IRC T602.3(3)]  
Exterior wall sheathing shall be continuous from bottom plate to top top-plate [IRC 602.10.2] All seams shall be block [IRC 602.10.10].  
Roof sheathing shall be minimum 5/8" wood structural paneling [IRC 803.1J] and shall be fastened with 6d common nails at 6" o.c. all edges and intermediate supports [IRC T602.3(1) footnote f]  
Collar ties or ridge straps to resist wind uplift shall be connected in the upper third of the attic space in accordance with Table R602.3(1) [IRC 802.3.1]  
Collar ties shall be not less than 1 inch by 4 inches (nominal), spaced not more than 4 feet on center [IRC 802.3.1].  
All anchor bolts shall be ASTM A307 Bolts with standard hooks and shall have a minimum embedment of 7" [IRC 403.1.6]  
Anchor bolts shall be a minimum 1/2" bolt w/washer spaced no greater than 6' o.c. and within 12" of each corner [IRC 403.1.6]

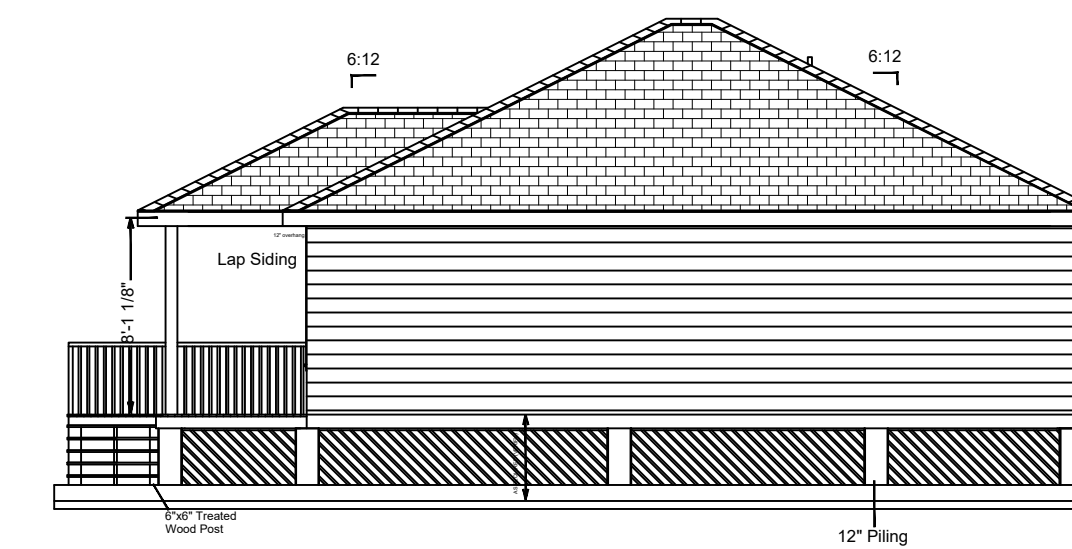
Standard Walls 2"x4" 16" O.C.  
Plumbing walls 2"x6" 16" O.C.  
rafter strap every rafter  
Joists to follow current code 2020 IRC  
#2 SYP @ 16" O.C.  
2x4 - max span = 8'  
2x6 - max span = 12'  
2x8 - max span = 15'3"  
2x10 - max span = 18'1"  
#2 SYP @ 12" O.C.  
2x10 - max span = 20'11"



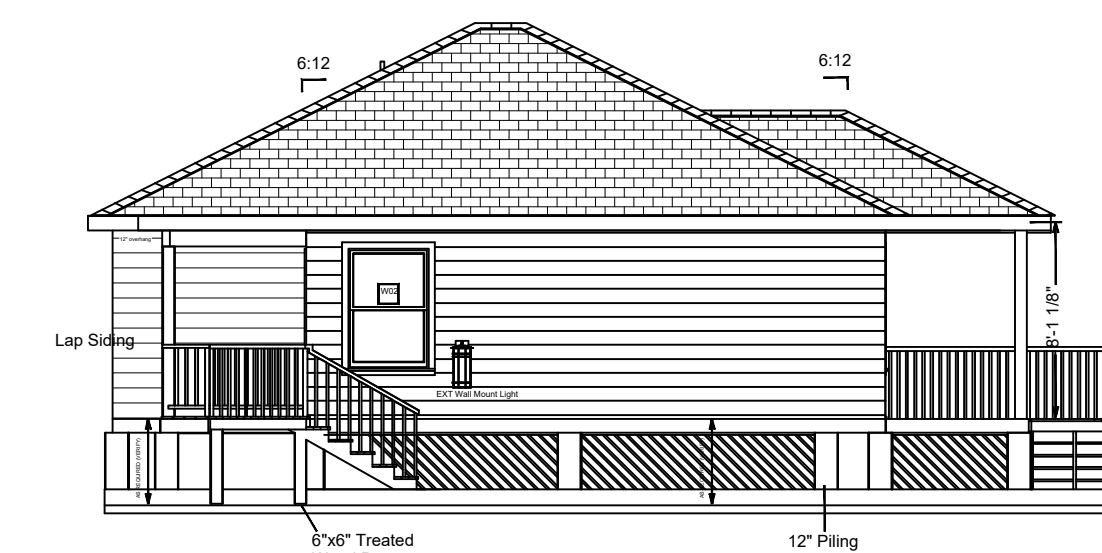
Front Elevation 1/4" = 1'



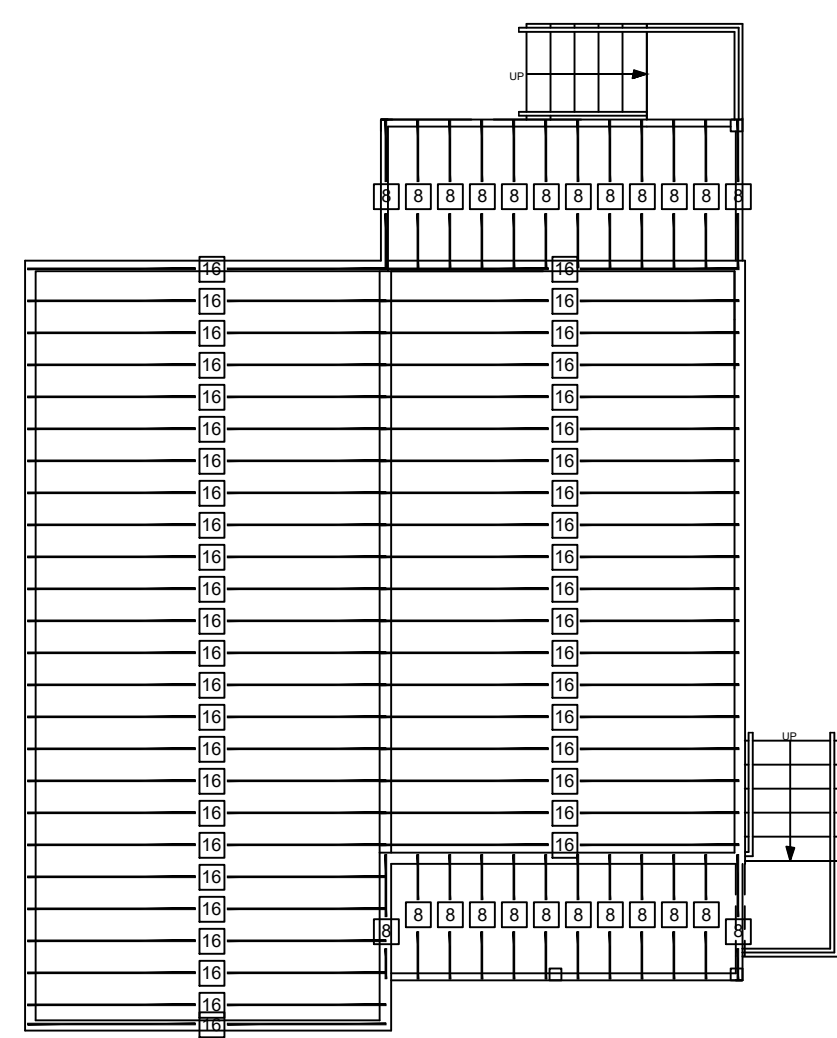
Rear Elevation 1/8" = 1'



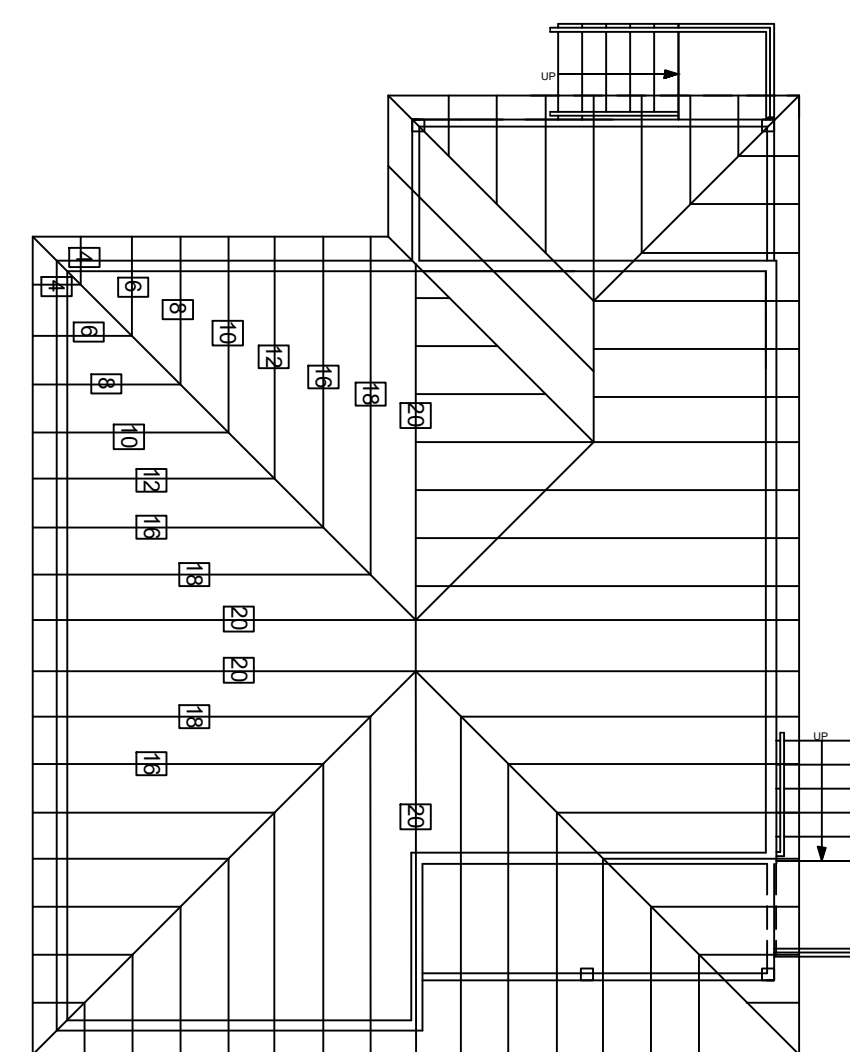
Left Elevation 1/8" = 1'



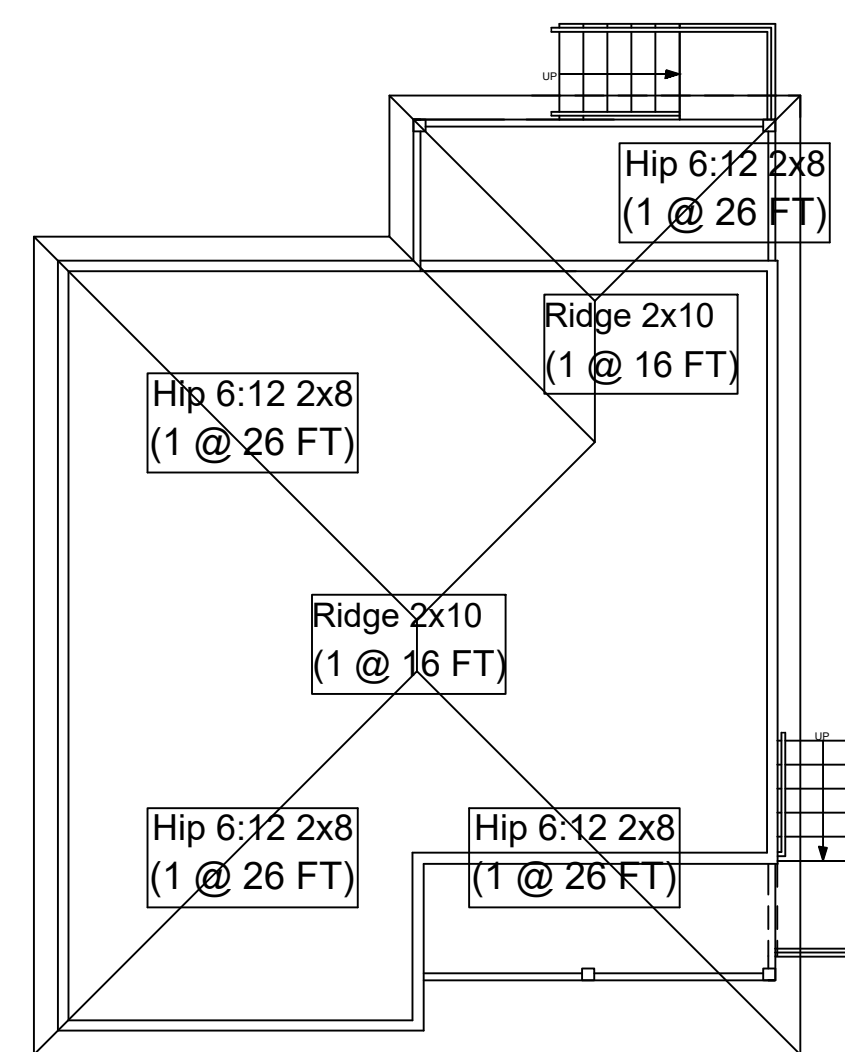
Right Elevation 1/8" = 1'



Ceiling Joists



Rafters  
Rafter straps every rafter



Roof Plan 1/8" = 1'

1500 SQ FT LIVING  
182 SQ FT FRONT PORCH  
106 SQ FT REAR PORCH  
1788 SQ FT UB (TOTAL)

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REVISION TABLE	
NUMBER	DATE REVISID BY DESCRIPTION

Project Location:

Residence:  
Daisy ADA Elevated

DRAWINGS REVISED BY:  
UDS HOMES  
Drawn by: Dilasad Meraler

DATE:

8/11/2022

SCALE:

SHEET:

P1

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**PROTECTION AGAINST TERMITES**  
 Sec. R 318: Protection against termites must be provided. Methods of protection shall be one, or a combination of the following methods:  
 1. Chemical termite treatment in accordance with Section R318.2  
 2. Termite baiting system installed and maintained in accordance with the label.  
 3. Pressure-preservative-treated wood in accordance with the provisions of Section R317.1  
 4. Naturally durable termite resistant wood  
 5. Physical barriers in accordance with Section R318.3 and used in locations as specified in Section R317.1

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Columns adequately anchored to prevent lateral displacement.

Vapor retarder - a 6-mil polyethylene or approved vapor retarder with joints lapped not less than 6 inches (152mm) shall be placed between the concrete floor slab and the base course or the prepared subgrade where no base course exists.

**Stairways notes:**  
 Treads and risers - 7 3/4" max. riser & 10" min. tread - nosing 3/4" - 1 1/4"  
 Handrails - (34" - 38") circular 1 1/4" - 2" diameter (required if 4 or more risers)  
 Guardrails (required >30" high) 36" guard (34" stairs), 4" max opening in rail  
 R311.1.7.3: A flight of stairs shall not have a vertical rise of more than 147 inches between floor levels or landings.  
 R 312.1.2 - Required guards at open-sided walking surfaces, including stairs, porches, balconies, or landings, shall not be less than 36" in height as measured vertically above the adjacent walking surface or the line connecting the leading edge of the treads.  
 Handrails shall be provided on not less than one side of each continuous run of treads of flight with 4 or more risers.  
 Handrail height measured vertically from sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall not be less than 34" and not more than 38".  
 Landings for stairways - There shall be a floor or landing at the top and bottom of each stairway. the width perp. to direction of travel shall not be less than the width of the flight served. The depth of direction of travel shall not be less than 36"

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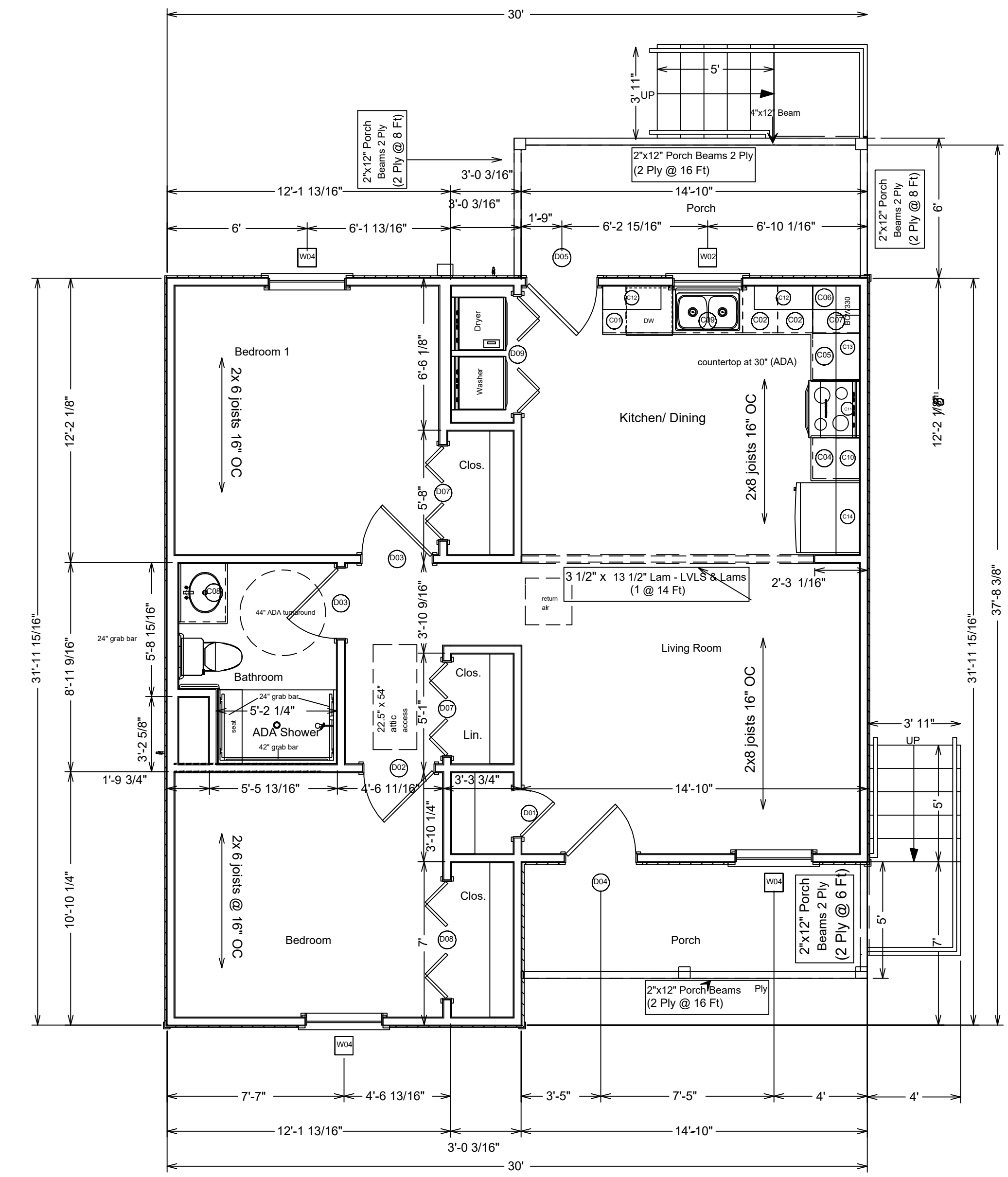
DRAWINGS REVISED BY:  
 UDS HOMES  
 Drawn by: Dilsead Merlatel

DATE:  
 7/26/2022

SCALE:

SHEET:

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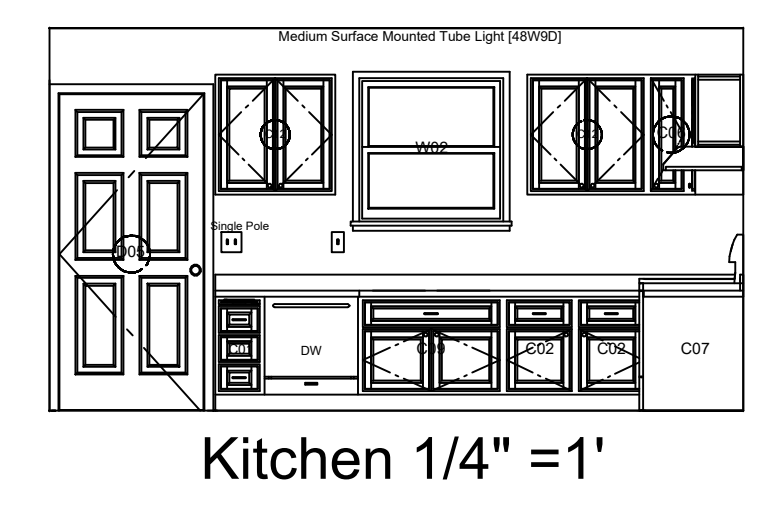
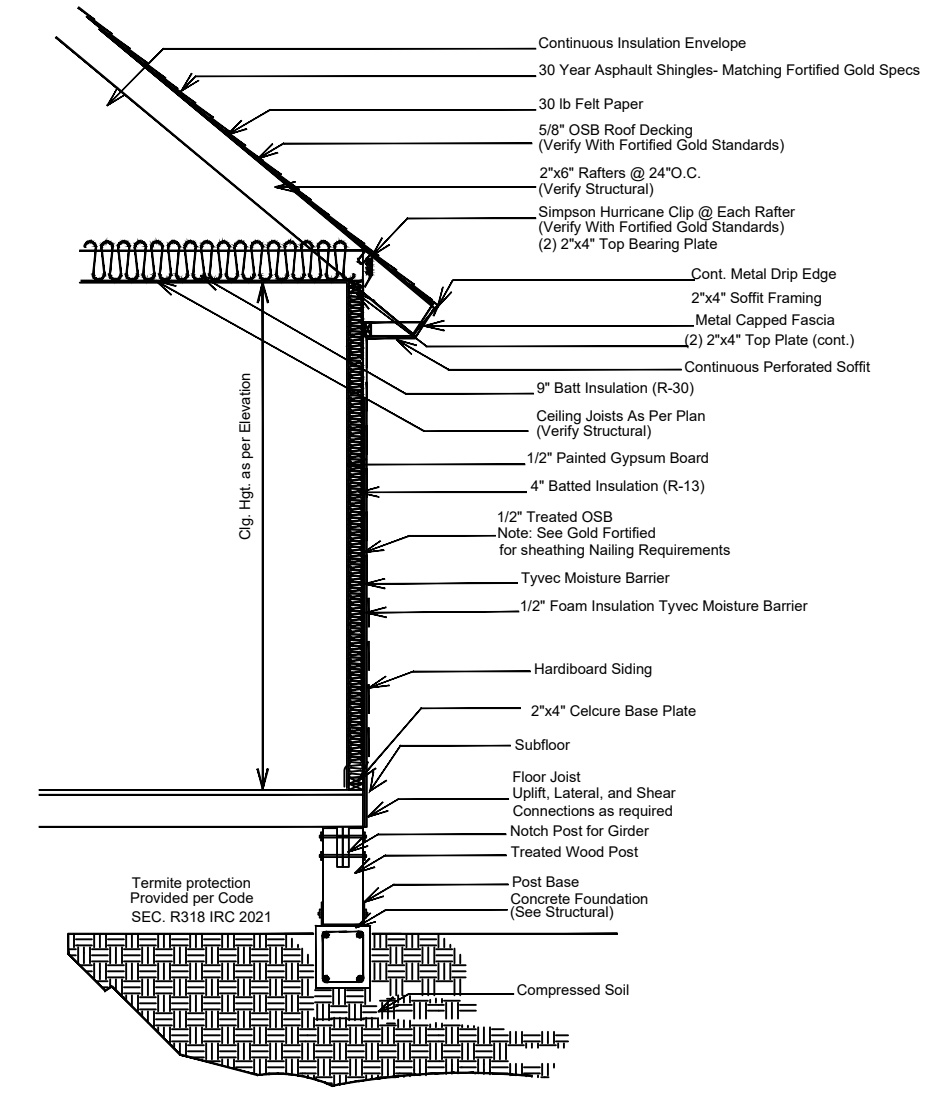


Notes:  
 750 sq ft parking pad will be added to calculations  
 Options for parking pad will prioritize permeable materials

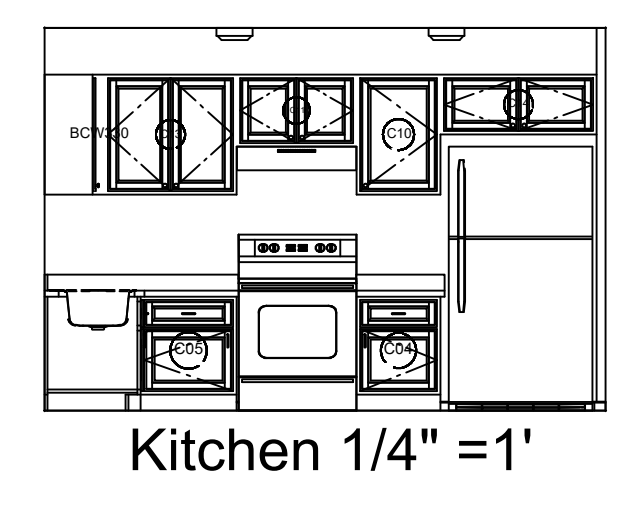
856 Sq Ft Living  
 165 sq ft Porch  
 1021 Sq ft Under Beam

Floorplan 1/4" = 1'

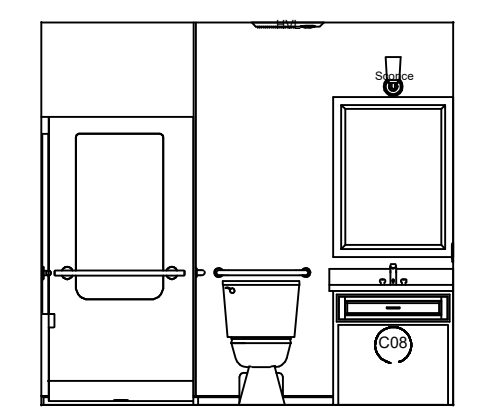
TYPICAL WALL DETAIL  
 Fortified Gold Standards will be applied for roof design and materials



Kitchen 1/4" = 1'



Kitchen 1/4" = 1'



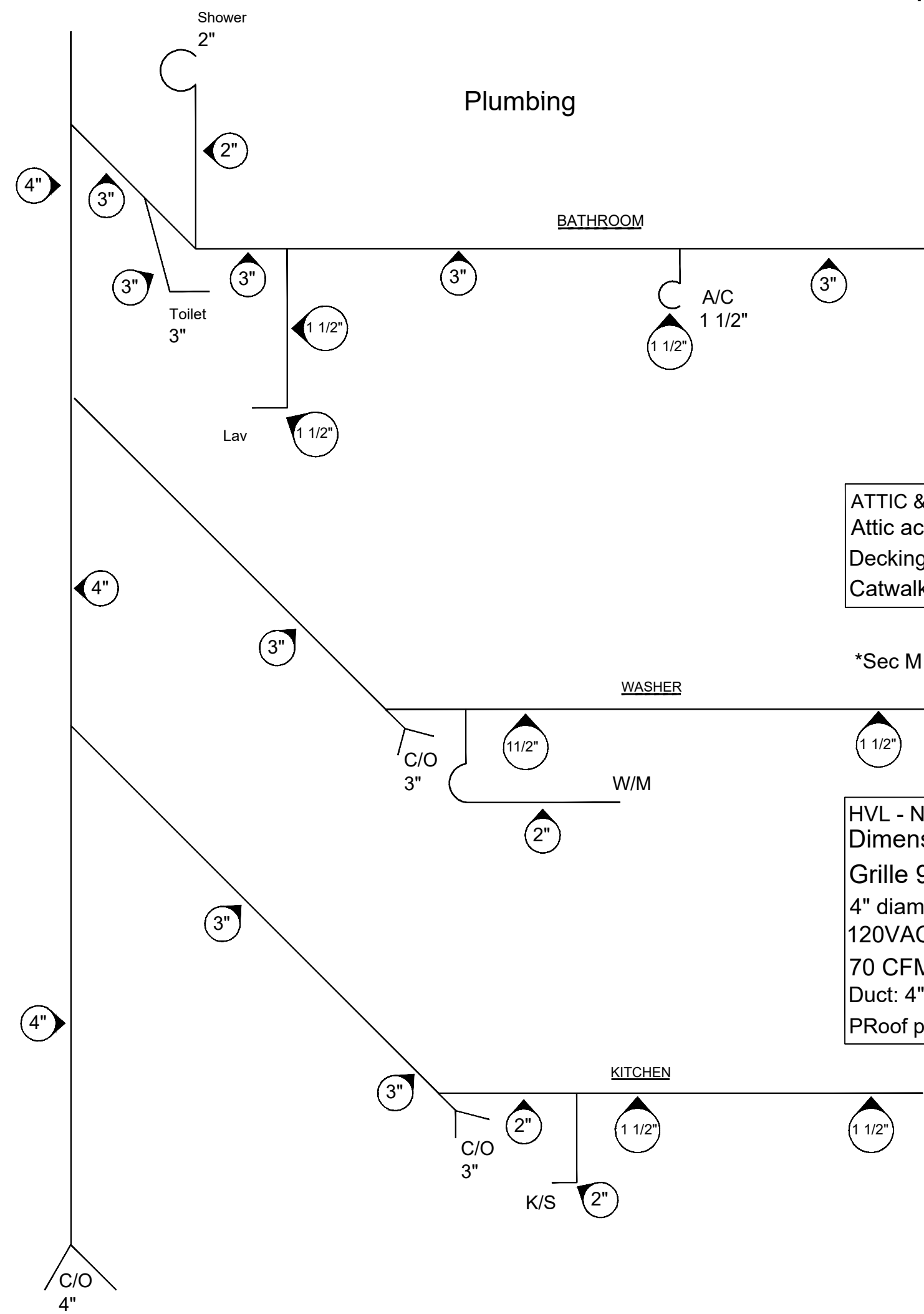
Bathroom 1/4" = 1'

For cabinets refer to Reasonable Accommodation Sheet to determine base cabinet height (whether ADA (30") or traditional (36")). Also will determine whether ADA showers with grab bars or traditional tub/shower combos will be used.

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# MECHANICAL & ELECTRICAL PLANS

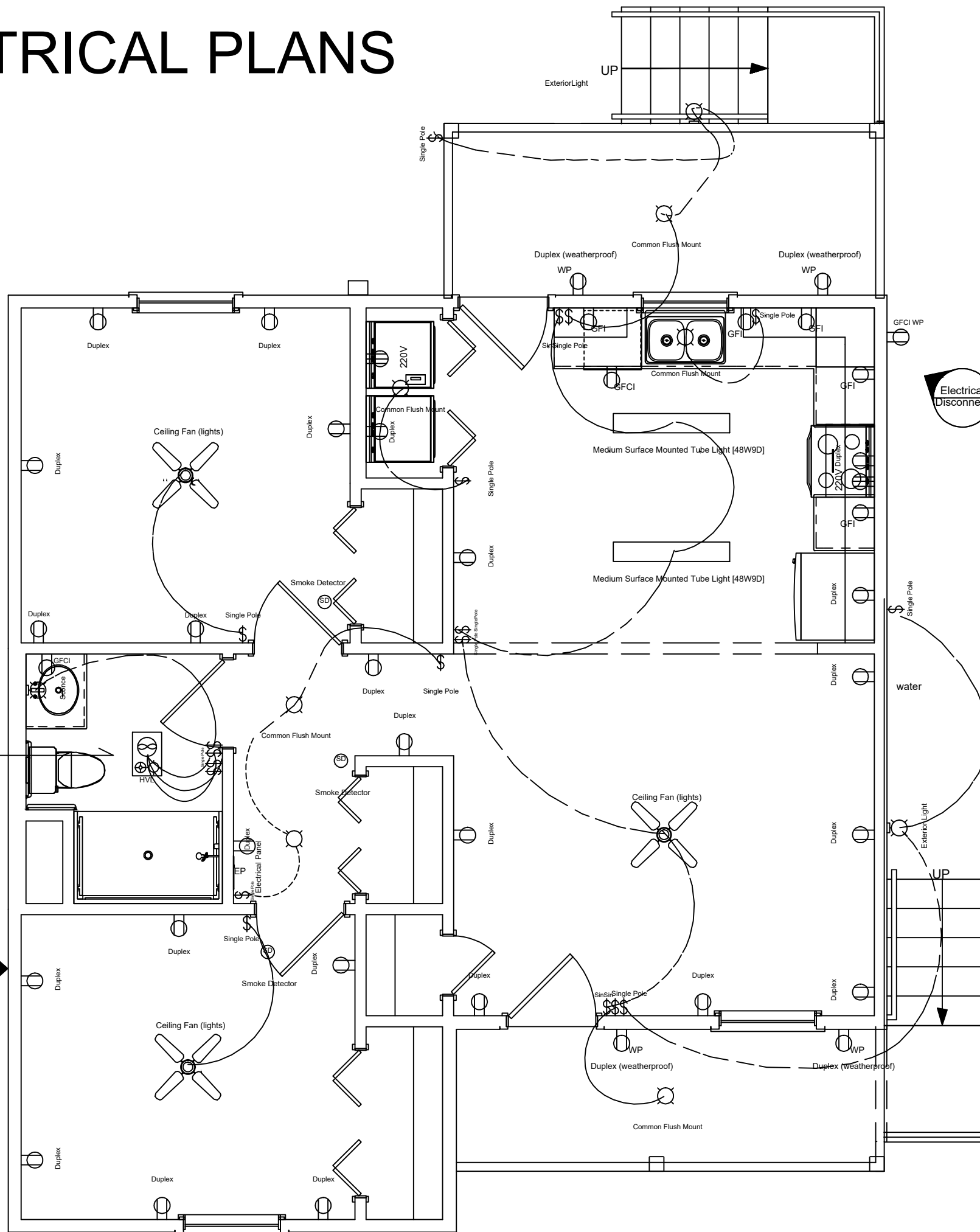


**ATTIC & DECKING:**  
 Attic access shall be a min. of 22"x30" with a vertical height of 30" or more.  
 Decking 30"x30" minimum work area  
 Catwalk >20' needs 6' headroom - max 50' length

\*Sec M1503 - range hoods shall discharge to the outdoors through a duct.

**HVL - Nutone Model 665RP**  
 Dimensions: Housing 14 5/8" x 7 7/8" x 5 5/8"  
 Grille 9 7/8" x 16 1/4" x 1 3/4"  
 4" diameter duct  
 120VAC, 60Hz, 12.5A  
 70 CFM  
 Duct: 4" metal pipe with roof jack  
 P/Roof penetration with metal pipe and roof jack.

HVL vented 4" metal duct vert. through roof (3'3" from HVL to roof surface)

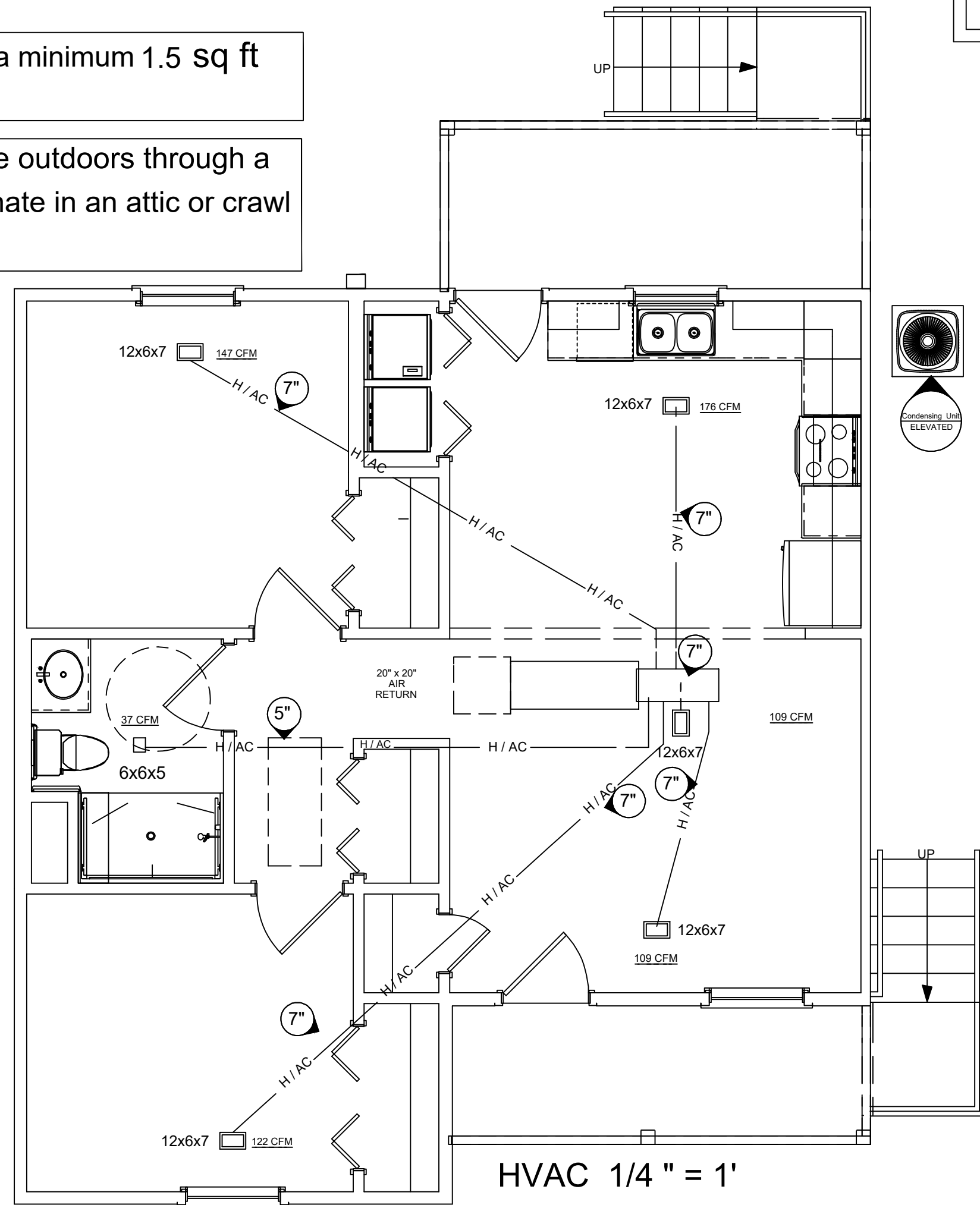


ELECTRICAL SCHEDULE				
2D SYMBOL	NUMBER	QTY	FLOOR	ATTACHED TO DESCRIPTION
	E01	1	2	CEILING HVL - NUTONE MODEL 665RP DIMENSIONS: HOUSING 14 5/8" X 7 7/8" X GRILLE 9 7/8" X 16 1/4" X 4" DIAMETER DUCT 120VAC, 60HZ, 12.5A 70 CFM
	E02	5	2	CEILING COMMON FLUSH MOUNT
	E03	3	2	CEILING CEILING FAN (LIGHTS)
	E04	4	2	WALL DUPLEX (WEATHERPROOF)
	E05	1	2	WALL ELECTRICAL PANEL
	E06	19	2	WALL SINGLE POLE
	E07	2	2	WALL 220V
	E08	3	2	WALL
	E09	22	2	WALL DUPLEX
	E10	1	2	WALL GFCI
	E11	5	2	WALL GFI
	E12	2	2	WALL SCONCE
	E13	2	2	CEILING MEDIUM SURFACE MOUNTED TUBE LIGHT [48W9D]
	E14	3	2	CEILING SMOKE DETECTOR
	E15	2	2	WALL EXTERIOR LIGHT
	E16	1	2	CABINET GFCI
	E17	1	2	WALL GFCI WP

Bathroom exhaust vents to the outside or provides a minimum 1.5 sq ft openable area.

\*Sec M1503 - range hoods shall discharge to the outdoors through a duct. Ducts serving range hoods shall not terminate in an attic or crawl space.

Electric panel in hall



REFER TO REASONABLE ACCOMODATION SHEET TO DETERMINE IF PLAN REQUIRES ADA. AN ADA PLAN REQUIRES LIGHT SWITCHES, THERMOSTAT, CONTROLS, AND ALL OTHER FUNCTION CONTROLS SHOULD BE INSTALLED AT HEIGHTS OF AROUND 36" TO 48" PPLATE ROCKER SWITCH TO BE USED FOR UNIVERSAL ACCESSIBILITY.

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