

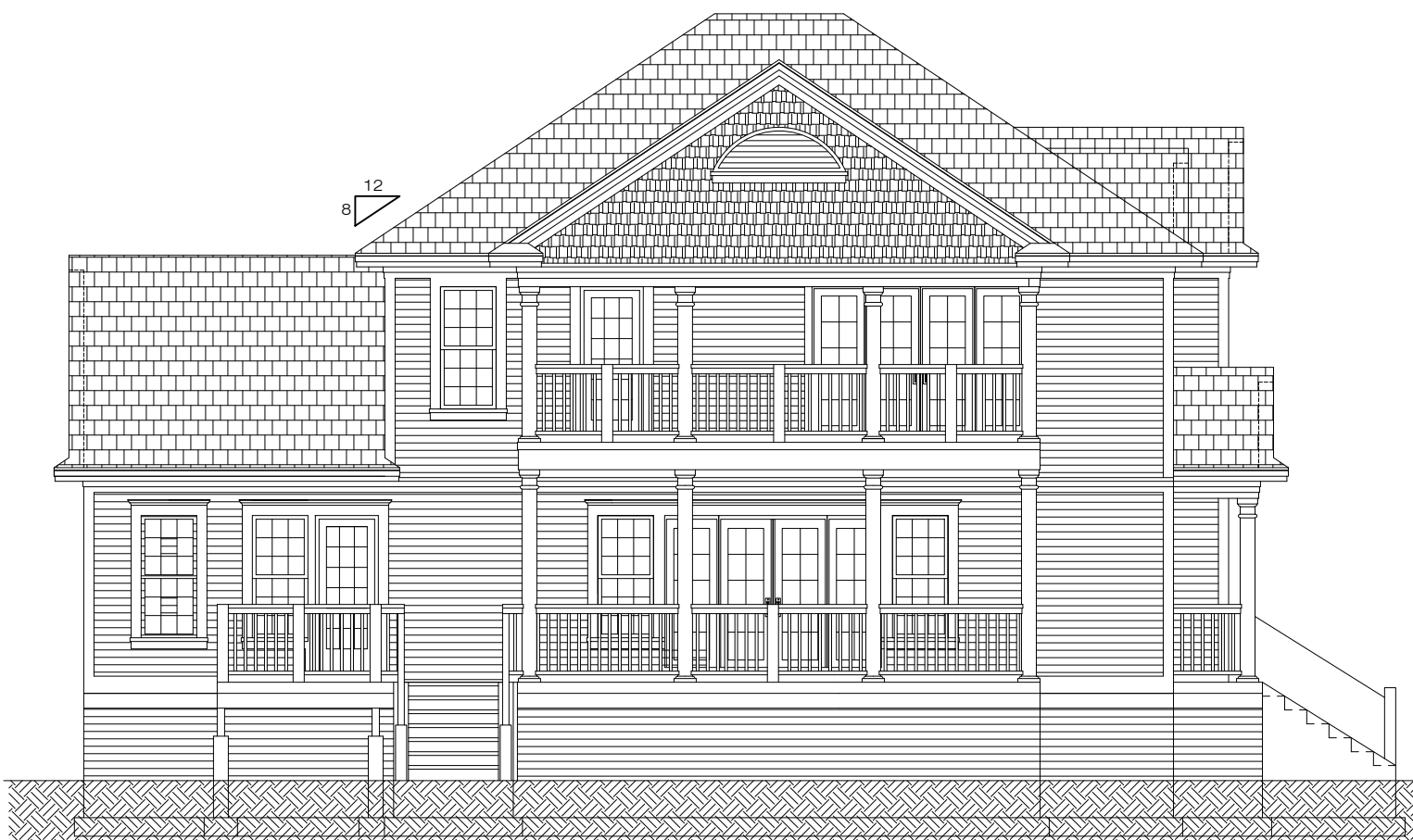
8:12 Pitch Main, Front and Sides

9'-1" Main Walls

8'-1" Second Walls

4' Crawl Space Foundation Walls

Garage to Match Main TYP



East Elevation



West Elevation

Elevations

Scale: 1/4" & 1/8" =1'-0" on 36" x 24" Paper
Scale: 1/8" & 1/16"=1'-0" on 17" x 11" Paper

8:12 Pitch Main, Front and Sides

9'-1" Main Walls

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Garage to Match Main TYP



North Elevation



South Elevation

Elevations

Scale: 1/4" & 1/8" =1'-0" on 36" x 24" Paper
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9'-1" Main Walls
8'-1" Second Walls
4' Crawl Space Foundation Walls
Garage to Match Main TYP

Header Notes:

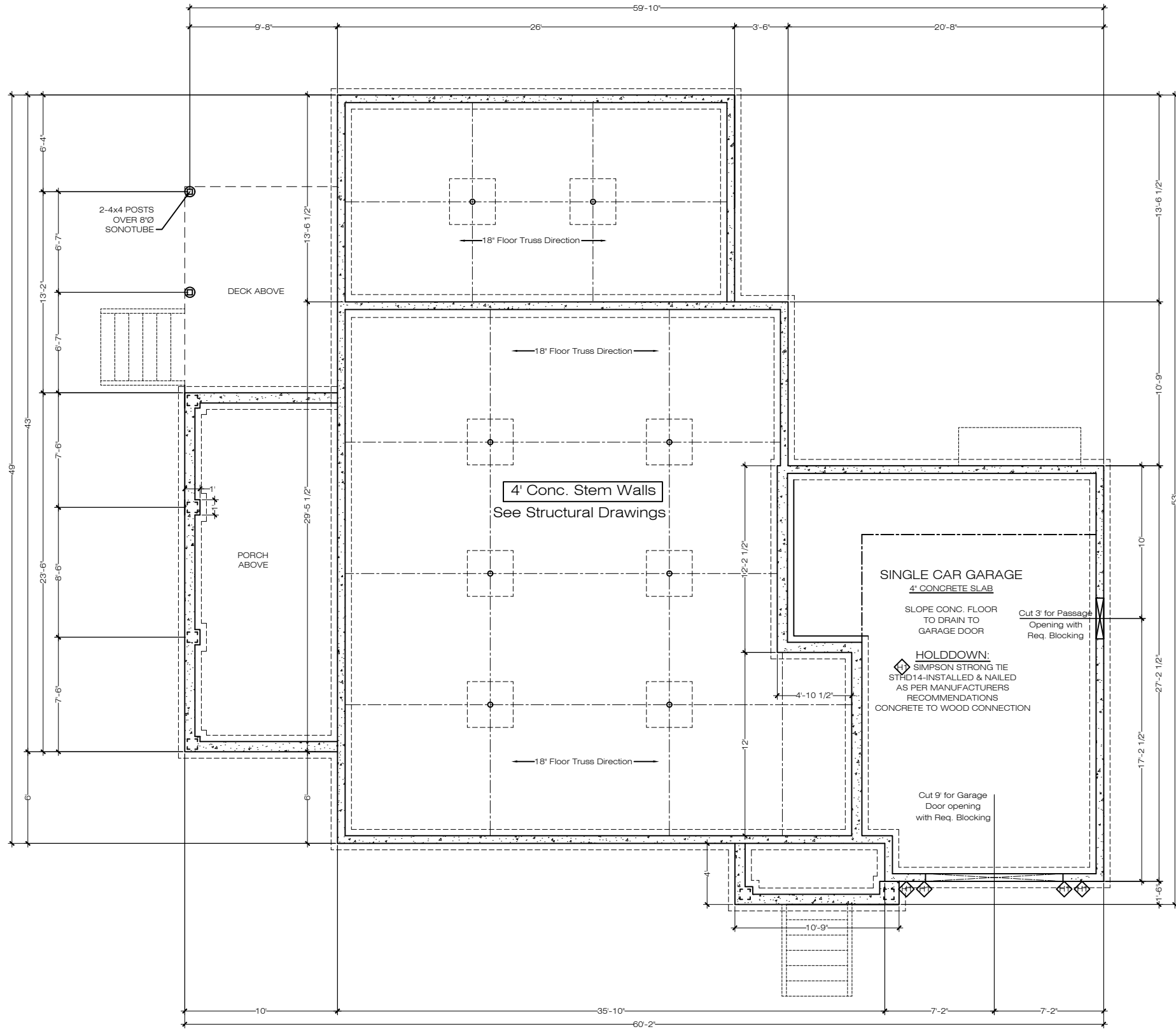
Headers 4' or less use 1 Ply 9.50 or 2 Ply 2x10 Dim. Lumber
Headers 6' or less use 2 Ply 9.50
Headers 8' or less use 3 Ply 9.50 or 2 Ply 11.88 ML
Headers 10' or less use 3 Ply 11.88 or 2 Ply 14.00 ML
Headers 10' or more refer to TJXpert Layout

Ventilation R408.1

The under-floor space between the bottom of the floor joists and the earth under any building (except space occupied by a basement) shall have ventilation openings through foundation walls or exterior walls. The minimum net area of ventilation opening shall not be less than 1 s/f for each 150 s/f of under floor space area, unless the ground surface is covered by a Class 1 vapor retarder material. If the vapor retarder is used the min. net area of ventilation openings shall not be less than 1 s/f for each 1500 s/f. One such vent shall be within 3' of each corner of building.

Foundation Wall System:

2x6 Treated Sill Plate
over Foam Sill Sealer
with \star Anchor Bolts @ 72" O.C. 10" Long, 7" Embedded
Max. 12" from all Corners or Splices
Concrete Wall Greater than 9' need to have an Architects or Engineer Seal 8' & under (1) Horiz. Bar in top 12" and one at mid-height 8'-1" to 9' (1) Horiz. Bar in top 12" & one bar at each third point
Min. (2) Anchor Bolts per Sill Plate w/ nut & ROUND plate Washer
2 1/2 ϕ \times 1/2" Min. For each Bolt
over Concrete Foundation wall Consistent w/ 2015 IRC R401-403
With Asphalt Emulsion on Exterior Side
over Continuous Concrete Footings
Consistent w/ 2015 IRC Section R106.1
over Undisturbed Soil



Foundation Plan

Scale: 1/4"=1'-0" D Size Paper
Scale: 1/8"=1'-0" B Size Paper

Refer to Engineer Notes For Structural

9'-1" Main Walls
8'-1" Second Walls
4' Crawl Space Foundation Walls
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Header Notes:

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3' Hallway Clearance
2015 IRC, Section R106 and R311.6
Safety Glazing 2015 IRC, Sections R106 and R308.4.5

Exhaust and Ventilation:

Whole House Fan	80 CFM
Kitchen Fan	100 CFM
Laundry	50 CFM
Bathrooms	50 CFM
Bedrooms	10 CFM fresh air
Living Areas	10 CFM fresh air

Contractor to indicate location of fans if not indicated on plans already.

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2015 IRC Code Section 106. R314
All smoke alarms shall be listed in accordance with UL 217 & installed in accordance with NFPA 72

- One in each sleeping area
- Outside of each separate sleeping area in the immediate vicinity of the bedrooms
- On each additional story including un-finish & finished basements and habitable attics but not including crawl spaces and uninhabitable attics.

In dwellings or dwelling units with splits levels and without an intervening door between the adjacent levels a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

- Alarm devices shall be interconnected with battery backup that the actuation of one alarm will activate all of the alarms

CM

2015 IRC Section 106 & R315.1
New Construction an approved carbon monoxide alarm installed outside of each sleeping area in the immediate vicinity of bedroom and dwelling units.
They shall be listed as complying with UL 2034 and installed accordingly

Automatic Fire Sprinkler Systems:

Required for Ann Arundel County, new home construction
R313.2.1 Design and installation. Automatic residential fire
sprinkler systems shall be designed and installed in accordance
with Section P2904 or NFPA 13D.

Crawl Space:

Through Floor min 18"x24" or through perimeter wall min 16"x24" required crawl space opening. If applicable, refer to mechanical code for access requirements where mechanical equipment is located under floors.

2015 IRC, Section R106, R408.4 M1305.1.4

Furnace:

Location of furnace and water heater. 2015 IRC, Section R106, and M1305

Elevate all sources of ignition in the garage a min. of 18" above the floor

2015 IRC, Sections R106, and M1307.3

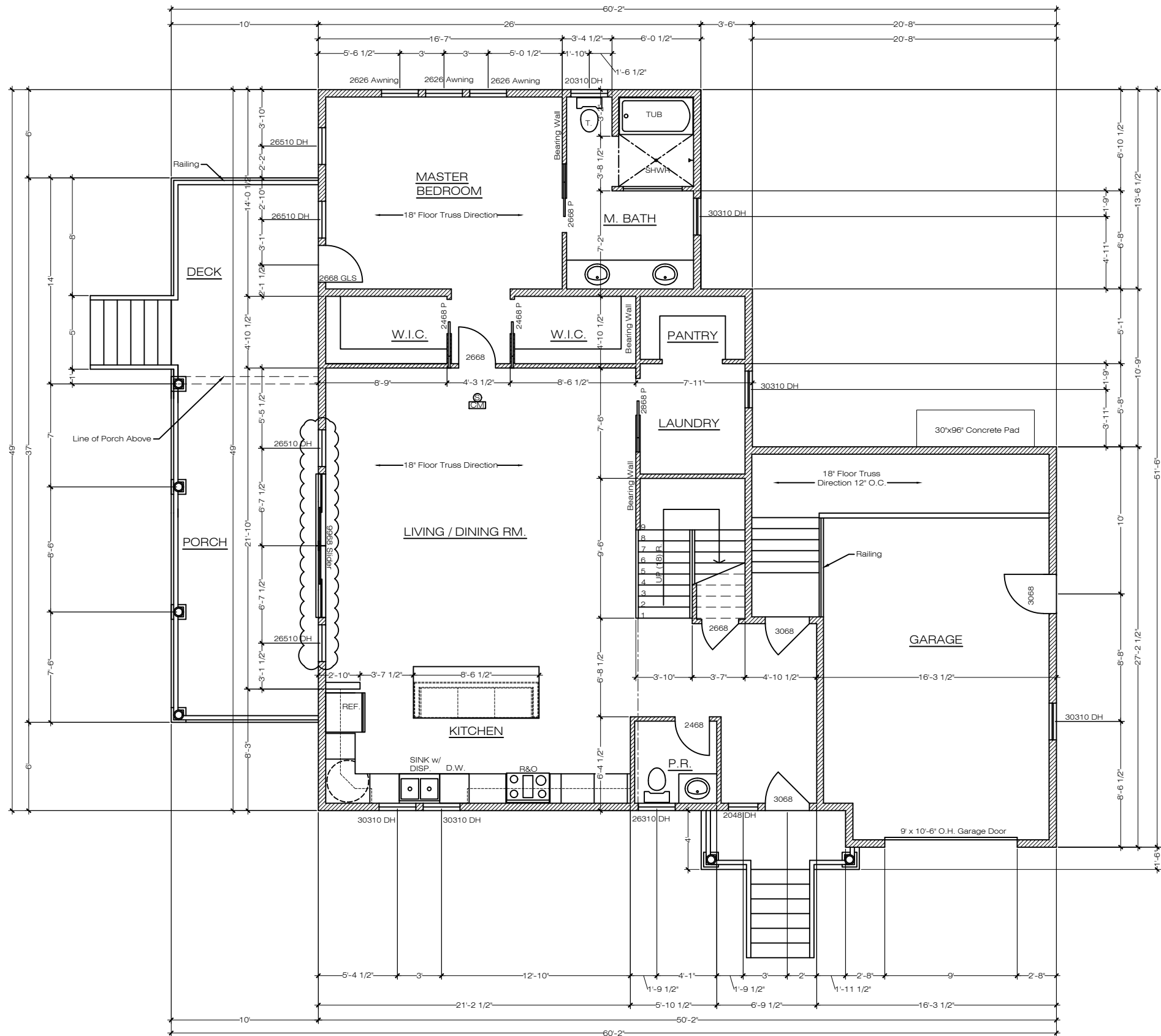
Provide a protection post in the garage to prevent vehicle damage to furnace and water heater. 2015 IRC, Section R106, M1307.3.1

PFH

Alternate Braced Wall Panel Garage Portal Design PFH
See Figure R602.10.6.2 Sheet A4

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2015 IRC R302.7, 311.7.2, R311.7.R312.1.3
Eq. Stair Risers 7 3/4" Max. height, Eq. Stair Treads 10" Min. depth
over (3) 11.5" MIN. Stair Stringers bolted at bottom with P.T. 2x4 -3
places with 3" x 4" Ø bolt and top securely mounted to framing with
Simpson A35 Connector at Stairs
Stringer to Ledger or alternate approved connection.
with Cont. Handrail System mounted 36" above stair plane.
with Handrail return to wall.
with a Min. 6"-8" Head Clearance above stair plane.
with all other Railing System to be min. 42" above FFL &
meet current building codes for vert. and horiz. loading.
Slate Spacing to no more than 4" sphere to pass thru.
X/ Gypsum Board under stairs
2% Slope Max 1 to 48



Main Floor

Scale: $1/4" = 1'-0"$ D Size Paper
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Exhaust and Ventilation:


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Kitchen Fan 100 CFM
Laundry 50 CFM
Bathrooms 50 CFM
Bedrooms 10 CFM fresh air
Living Areas 10 CFM fresh air

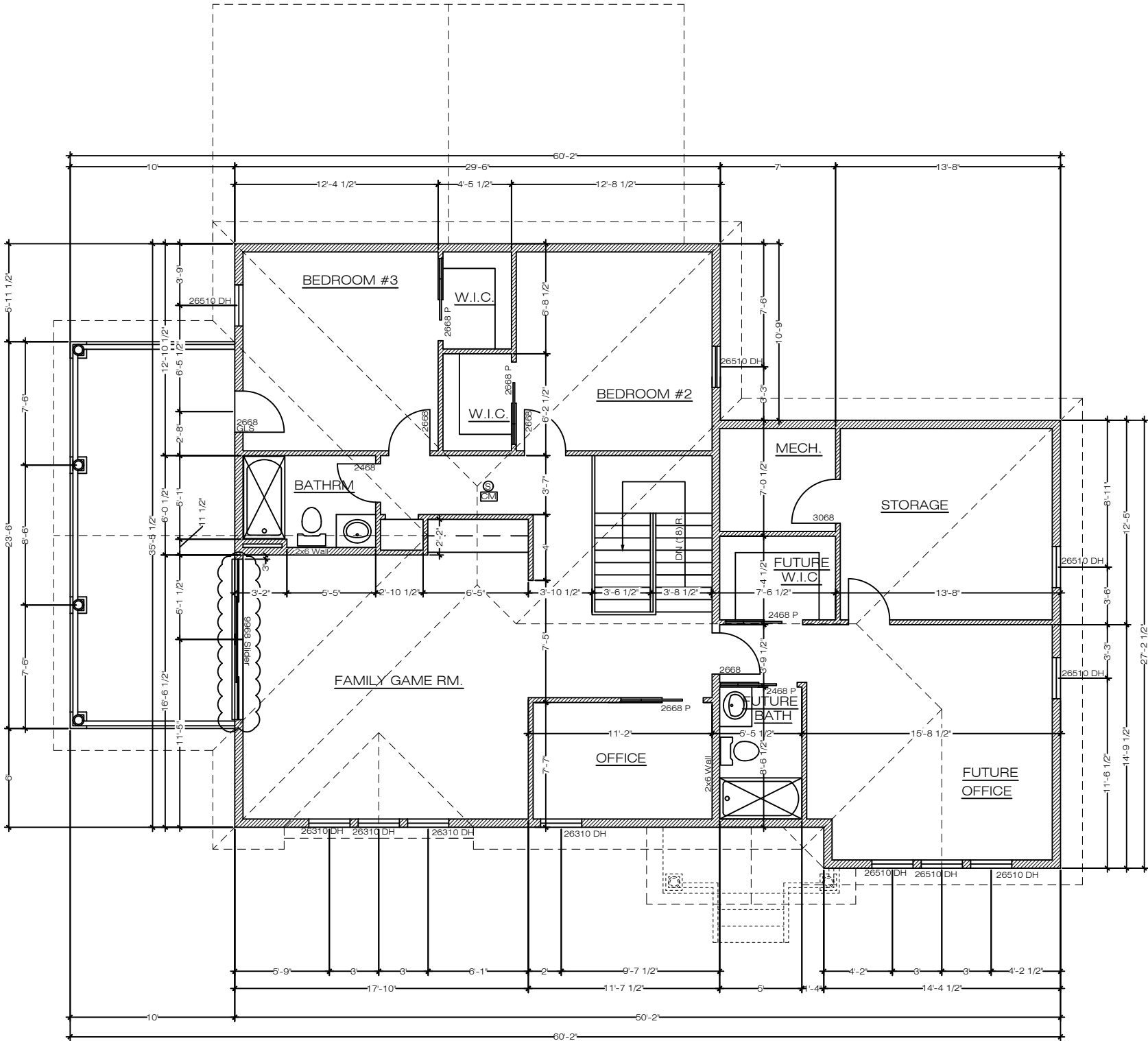
Contractor to indicate location of fans if not indicated on plans already.

Smoke Alarms 
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Carbon Monoxide Alarms 
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Automatic Fire Sprinkler Systems:
Required for Ann Arundel County, new home construction R313.2.1 Design and installation. Automatic residential fire sprinkler systems shall be designed and installed in accordance with Section P2904 or NFPA 13D.

Stair System: 
2015 IRC R302.7, 311.7.2, R311.7 R312.1.3
Eq. Stair Risers 7 3/4" Max. height, Eq. Stair Treads 10" Min. depth over (3) 11.5" MIN. Stair Stringers bolted at bottom with P.T. 2x4 -3 places with 3" x 1/2" Ø bolt and top securely mounted to framing with Simpson A35 Connector at Stairs
Stringer to Ledger or alternate approved connection.
with Cont. Handrail System mounted 36" above stair plane.
with Handrail return to wall.
with a Min. 6'-8" Head Clearance above stair plane.
with all other Railing System to be min. 42" above FFL & meet current building codes for vert. and horiz. loading.
Slate Spacing to no more than 4" sphere to pass thru.
1/2" Gypsum Board under stairs
2% Slope Max 1 to 48



Second Floor

Scale: 1/4"=1'-0" D Size Paper
Scale: 1/8"=1'-0" B Size Paper

Refer to Engineer Notes For Structural

