

GENERAL NOTES

- ALL WORK TO BE DONE IN ACCORDANCE WITH NEW JERSEY UNIFORM CONSTRUCTION CODE.
- CONTRACTOR TO INSPECT AND VERIFY ALL SITE CONDITIONS.
- ALL FOOTINGS TO BEAR ON VIRGIN SOIL.
- SOIL BEARING CAPACITY ASSUMED TO BE TWO (2) TONS. IF SOIL ENCOUNTERED IS LESS, NOTIFY ARCHITECT.
- ALL BELOW GRADE BLOCK IS TO BE HOLLOW CORE LOAD BEARING TYPE FOR BELOW GRADE CONSTRUCTION.
- STEPPED FOOTINGS, WHERE NECESSARY, SHALL BE STEPPED AT A RATIO OF ONE VERTICAL BLOCK FOR EVERY TWO HORIZONTAL BLOCKS (MINIMUM).
- CONCRETE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 3000 PSI UNLESS OTHERWISE NOTED.
- DUR-O-WALL TRUSS-TYPE REINFORCING TO BE USED EVERY OTHER BLOCK COURSE (BELOW GRADE).
- ALL FRAMING LUMBER TO BE NO. 2 DOUGLAS FIR OR SOUTHERN PINE MINIMUM Fb=900 PSI.
- PROVIDE DOUBLE JOISTS UNDER ALL PARTITIONS PARALLEL TO JOISTS. ALL FLOOR AND ROOF OPENINGS TO BE BOXED WITH DOUBLE JOISTS HEADERS.
- ALL NAILING TO BE DONE IN ACCORDANCE WITH IRC TABLE R602.3(C1).
- ELECTRICAL LAYOUT IS SCHEMATIC AND SHALL BE INSTALLED AS PER N.J.A.C. 5:23-3.16.
- PLUMBING TO BE INSTALLED AS PER N.J.A.C. 5:23-3.15.
- THESE PLANS COMPLY WITH NEW JERSEY'S ENERGY SUB-CODE.
- CONTRACTOR TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS.
- PROVIDE STEEL LINTELS OVER ALL BRICK OPENINGS (WHERE REQUIRED) LINTELS TO BE 3 1/2" X 3 1/2" X 1/4" UNLESS OTHERWISE NOTED.
- ALL WOOD TO BE USED FOR EXTERIOR DECKING TO BE PRESSURE-TREATED.
- CONTRACTOR IS TO BE RESPONSIBLE FOR GETTING ALL REQUIRED BUILDING PERMITS, FEES, AND INSPECTIONS.
- ALL SMOKE DETECTORS TO BE HARDWIRED SO THAT IF ONE DETECTOR SIGNALS, ALL WALL SIGNAL DETECTORS TO HAVE BATTERY BACK-UP SYSTEM.
- IF FUEL-BURNING APPLIANCES ARE INSTALLED, CARBON MONOXIDE DETECTORS TO BE LOCATED IN THE IMMEDIATE VICINITY OF BEDROOMS. IF MORE THAN ONE DETECTOR IS REQUIRED, HARDWIRE SO ALL WALL SIGNAL. PROVIDE BATTERY BACK-UP SYSTEM.
- ALL HEADERS ABOVE OPENINGS ARE TO BE (2) 2" X 10" UNLESS OTHERWISE NOTED.
- PROVIDE CEMENT, FIBER-CEMENT, OR GLASS MAT GYPSUM BACKERS IN TUB/SHOWER AREAS.
- ALL METAL HANGERS AND ANCHOR BOLTS ATTACHED TO PRESSURE-TREATED LUMBER TO BE HOT-DIPPED GALVANIZED (G-185 MINIMUM).
- FIREPLACES TO DRAW COMBUSTION AIR FROM EXTERIOR. FIREPLACES IN SLEEPING AREAS TO BE SEALED / DIRECT VENT GAS FIREPLACES FOR BEDROOM USE, WHERE A FUEL-BURNING FIREPLACE IS LOCATED WITHIN A BEDROOM OR ITS ATTACHED BATH, A CARBON MONOXIDE ALARM SHALL BE INSTALLED WITHIN THE BEDROOM.
- NOT LESS THAN 90 PERCENT OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS OR NOT LESS THAN 90 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH-EFFICACY LAMPS.

RADON NOTES

NEW 3" INTERIOR PIPE DRAIN AROUND SLAB PERIMETER WITH A VERTICAL 3" MIN. DIAMETER SECTION INSTALLED IN CONJUNCTION WITH THE DRAINAGE SYSTEM. THE TERMINATION OF THE VERTICAL PIPE SHALL BE BETWEEN 6" AND 12" ABOVE 4" CONCRETE SLAB APPROPRIATELY CAPPED OR CONNECTED TO AN INDEPENDENT VENT STACK TERMINATING AT LEAST TEN FEET (10'-0") ABOVE AVERAGE GRADE AND TEN FEET (10'-0") FROM PROPERTY LINE. BASEMENT SLABS WITH FRENCH DRAINS OR CHANNEL DRAINS SHALL NOT BE ALLOWED UNLESS INTERIOR FOUNDATION PIPE DRAINS ARE INSTALLED.

SUMP PIT ALTERNATE

SUMP PIT TO BE COVERED WITH AN APPROVED COVER. THE VENT STACK MAY ORIGINATE AT THE SUMP PIT AS AN ALTERNATE. PROPER SEALANT MATERIALS SHALL BE USED TO CLOSE OFF THE SOIL GAS ENTRY ROUTES.

ADOPTED CODES AND STANDARDS - 2018
NEW JERSEY UNIFORM CONSTRUCTION CODE - NJAC 5:23

NJAC 5:23-3.14	- BUILDING SUBCODE - INTERNATIONAL BUILDING CODE/2018 NJ EDITION
NJAC 5:23-3.15	- PLUMBING SUBCODE - NATIONAL STANDARD PLUMBING CODE/2018
NJAC 5:23-3.16	- ELECTRICAL SUBCODE - NATIONAL ELECTRICAL CODE (NECA 701)/2017
NJAC 5:23-3.17	- FIRE PROTECTION SUBCODE - INTERNATIONAL BUILDING CODE/2018 NJ EDITION-CHAPTER 9
NJAC 5:23-3.18	- ENERGY SUBCODE - INTERNATIONAL ENERGY CONSERVATION CODE/2018
NJAC 5:23-3.20	- MECHANICAL SUBCODE - INTERNATIONAL MECHANICAL CODE/2018
NJAC 5:23-3.21	- ONE AND TWO FAMILY DWELLING SUBCODE - INTERNATIONAL RESIDENTIAL CODE/2018 NJ EDITION
NJAC 5:23-3.22	- FUEL GAS SUBCODE - INTERNATIONAL FUEL GAS CODE/2018
NJAC 5:23-6	- REHABILITATION SUBCODE - NUCC, SUBCHAPTER 6

THIS PLAN MEETS NEW JERSEY ENERGY CODE PER BULLETIN '19-2'. COMPLIANCE WITH RESCHECK SOFTWARE.

**N.J.U.C.C. REQUIREMENTS
2018 INTERNATIONAL RESIDENTIAL CODE
NEW JERSEY EDITION**

USE GROUP	R-5
CONSTRUCTION TYPE	5B
WIND SPEED	115 MPH
EXPOSURE CATAGORY	B
LIVE LOADS	
FLOORS	40 PSF
BEDROOM FLOORS	30 PSF
ATTIC (ACCESSED BY FIXED STAIR ONLY)	30 PSF
CEILINGS	20 PSF
ROOF	30 PSF
DECK	60 PSF
AREA	
1st FL	867 SF
2nd FL	1125 SF
TOTAL	1992 SF
VOLUME (IN CUBIC FEET)	34,402 CF

**FOUNDATION PLAN
GENERAL NOTES**

Proposed Dwelling For:
MATSON CONSTRUCTION
51 ARLINGTON AVE. BLK.263.01 LOT52
FRANKLIN TWP., NEW JERSEY

NOV. 20, 2020 JOB# 2020/066.00
1 OF 6 DRAWN BY: DMP

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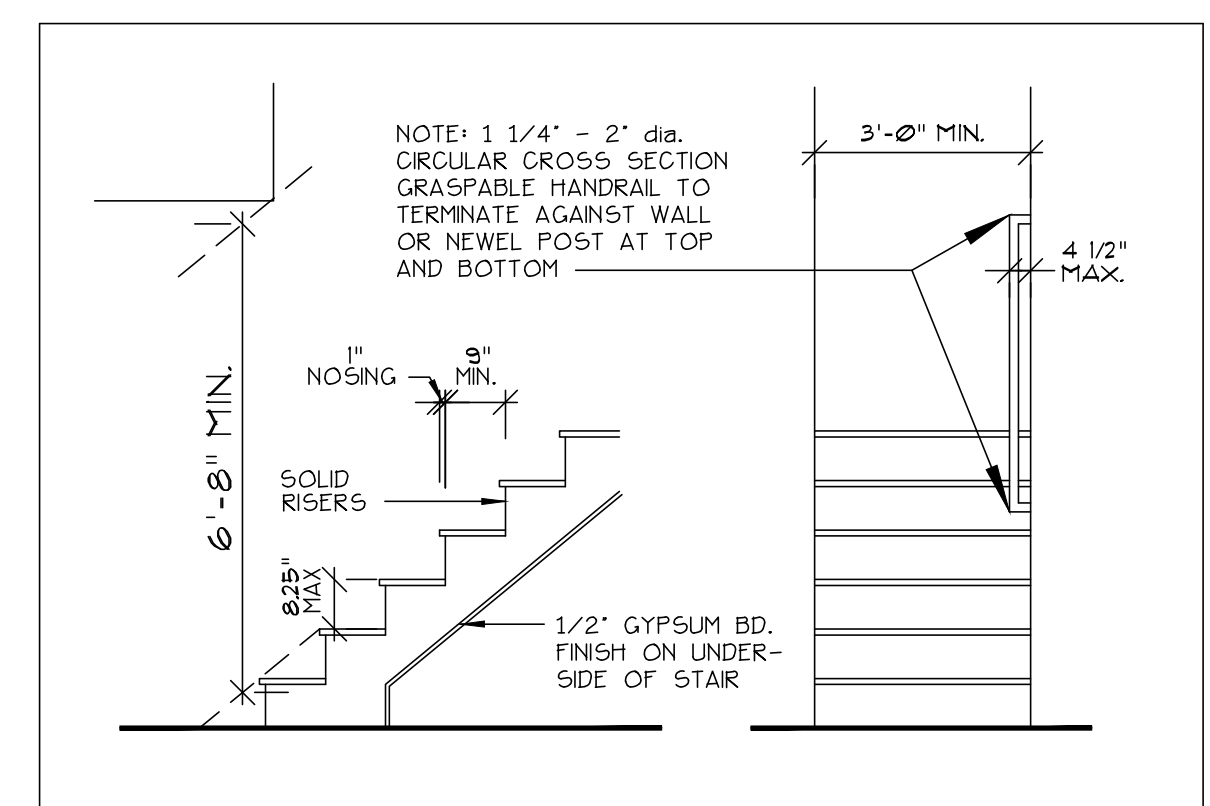
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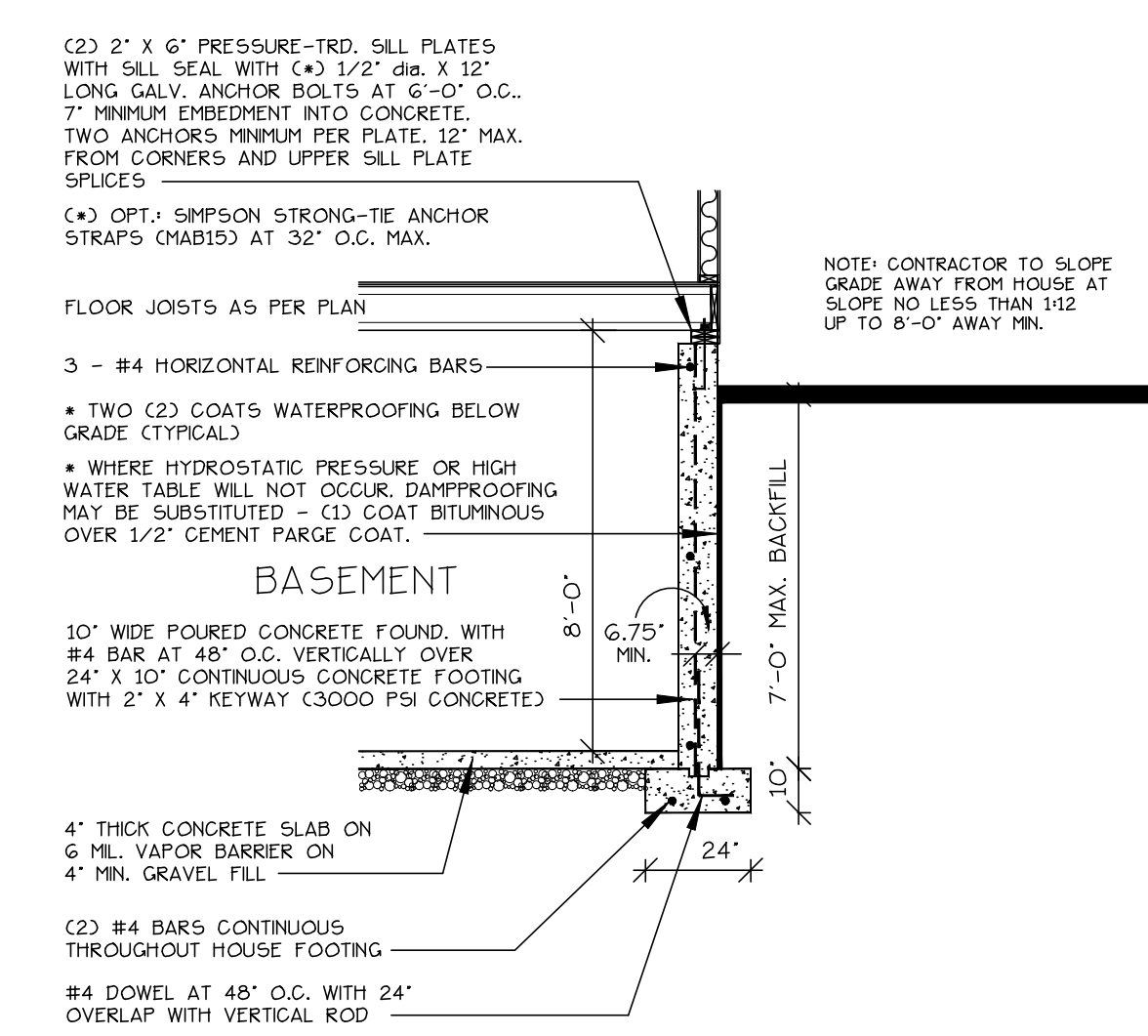
GENERAL CONSTRUCTION NOTES:

- CONTRACTOR OPTION TO INSTALL POURED CONCRETE FOUNDATION IN PLACE OF BLOCK FOUNDATION SHOWN. IF POURED CONCRETE FOUNDATION USED, PILASTERS SHOWN ARE NOT REQUIRED. DROP GIRDER BEARING WILL BE ACHIEVED BY INSTALLING BEAM POCKETS IN FOUNDATION WALL.



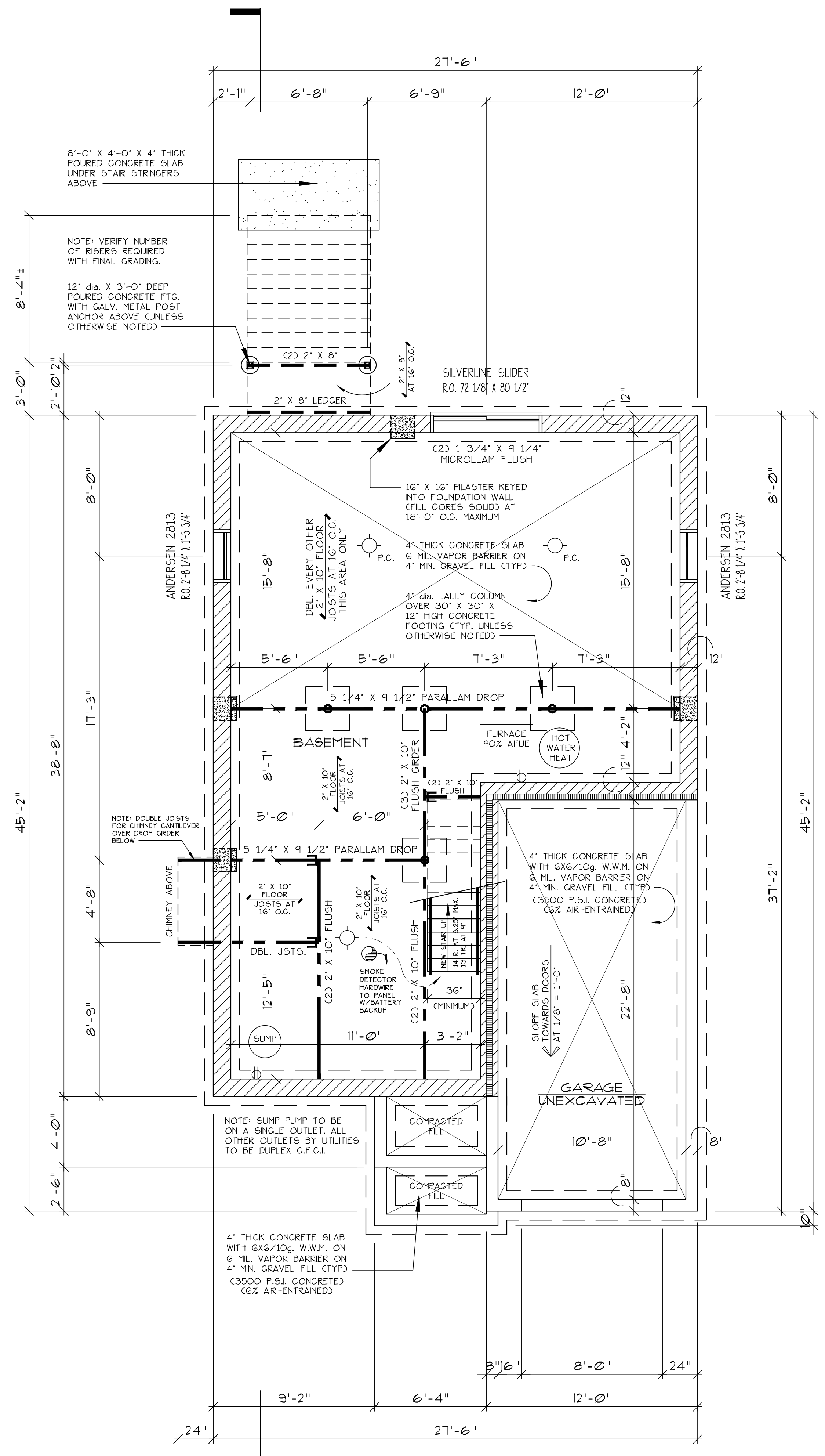
STAIR REQUIREMENTS

NOT TO SCALE



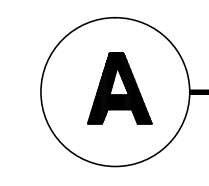
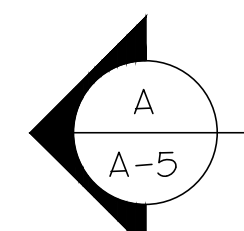
**ALTERNATE POURED
FOUNDATION BUILDING SECTION**

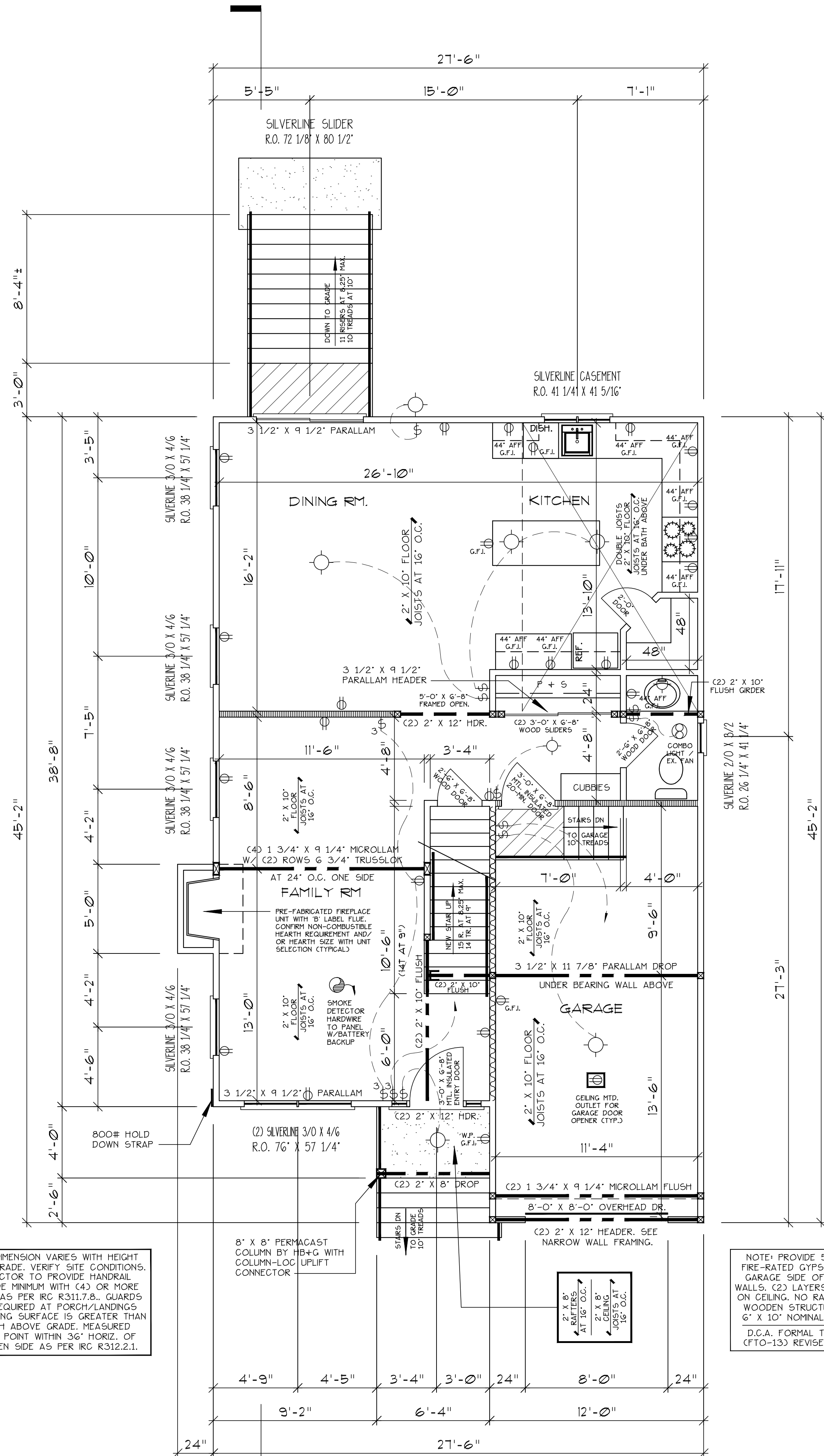
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FOUNDATION PLAN

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

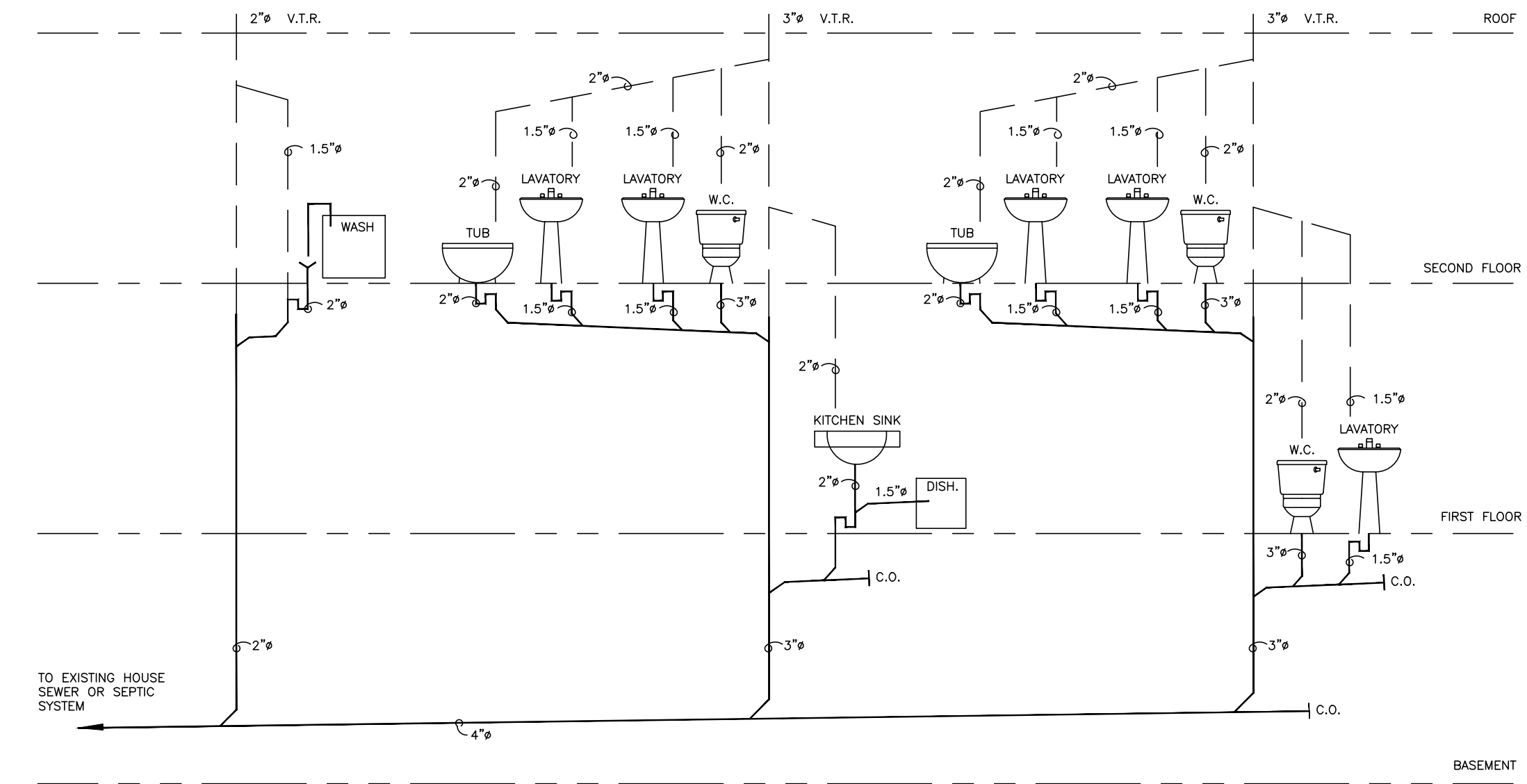




NOTE: DIMENSION VARIES WITH HEIGHT FROM GRADE. VERIFY SITE CONDITIONS. CONTRACTOR TO PROVIDE HANDRAIL ONE SIDE MINIMUM WITH (4) OR MORE RISERS AS PER IRC R311.7.8. GUARDS ONLY REQUIRED AT PORCH/LANDINGS IF WALKING SURFACE IS GREATER THAN 30" HIGH ABOVE GRADE. MEASURED TO ANY POINT WITHIN 36" HORIZ. OF THE OPEN SIDE AS PER IRC R312.2.1.

NOTE: PROVIDE 5/8" TYPE 'X' FIRE-RATED GYPSUM BOARD ON GARAGE SIDE OF ALL GARAGE WALLS. (2) LAYERS 5/8" TYPE 'X' ON CEILING. NO RATING REQ'D ON WOODEN STRUCTURAL GRIDDERS 6" X 10" NOMINAL OR GREATER. D.C.A. FORMAL TECH. OPINION (FTO-13) REVISED SEPT. 2019

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



PLUMBING RISER DIAGRAM
NOT TO SCALE

NOTE: SILVERLINE WINDOW SIZES SHOWN ARE SERIES 'V3' ARGON-FILLED WITH LOW-E GLASS. SERIES FORMERLY KNOWN AS: DOUBLE-HUNG - 3000 SERIES CASEMENT - 70 SERIES AWNING - 70 SERIES SLIDING DOORS - 5800 SERIES

FIRST FLOOR PLAN
PLUMBING RISER DIAGRAM

A-2

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MATSON CONSTRUCTION
51 ARLINGTON AVE. BLK.263.01 LOT52
FRANKLIN TWSP., NEW JERSEY

NOV. 20, 2020 JOB#: 2020/066.00

2 OF 6 DRAWN BY: DMP

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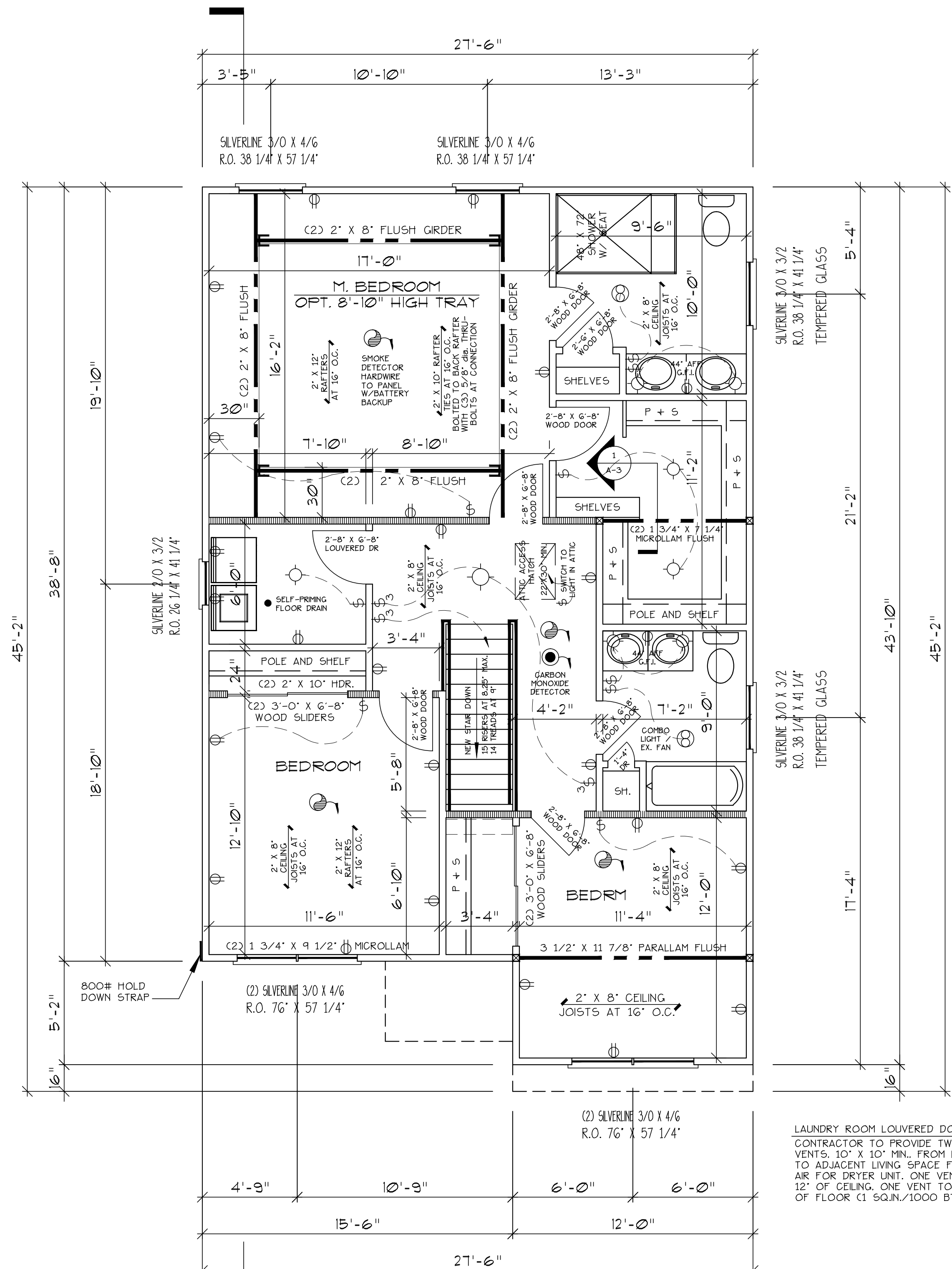
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ROGER C. WINKLE - ARCHITECT

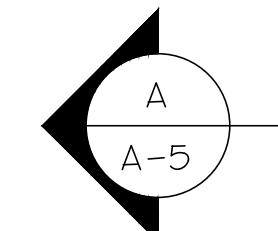
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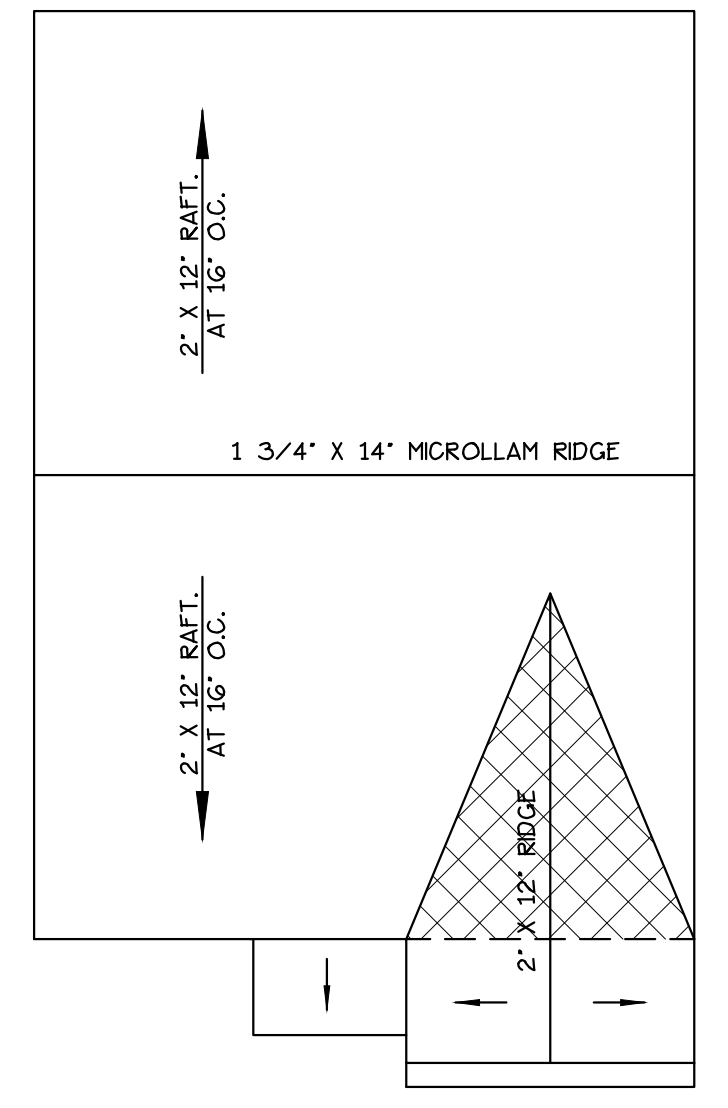
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SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



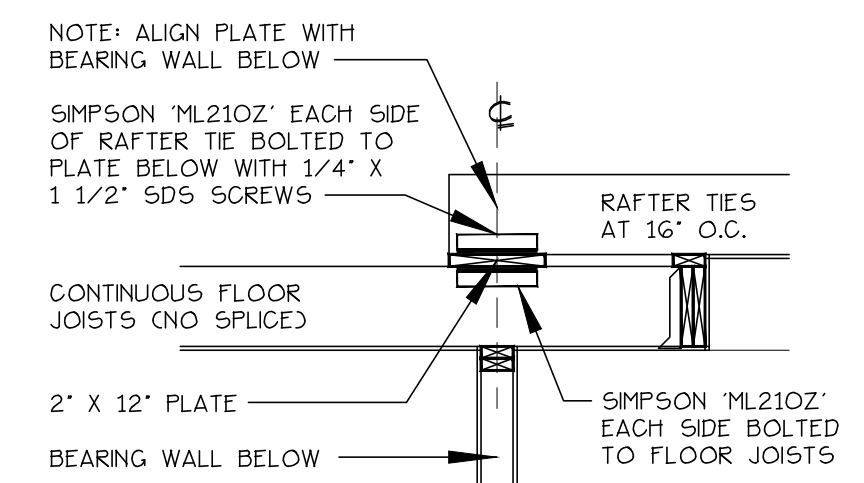
LAUNDRY ROOM LOUVERED DOOR OPTION:
CONTRACTOR TO PROVIDE TWO LOUVERED
VENTS: 10" X 10" MIN. FROM LAUNDRY ROOM
TO ADJACENT LIVING SPACE FOR COMBUSTION
AIR FOR DRYER UNIT. ONE VENT TO BE WITHIN
12" OF CEILING, ONE VENT TO BE WITHIN 12"
OF FLOOR (1 SQ.IN./1000 BTU MIN. EACH)



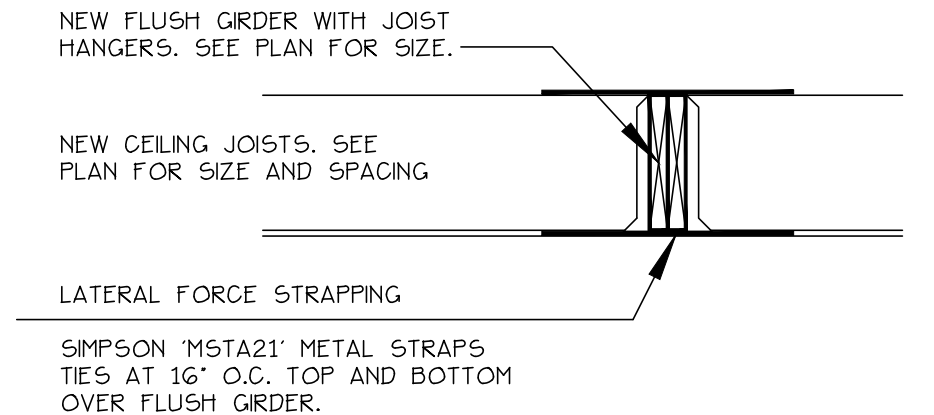
ROOF PLAN
SCALE: 1/8" = 1'-0"

NOTE: HATCHED AREAS INDICATE
ROOF TO BE FRAMED OVER MAIN
ROOF FRAMING UNLESS NOTED.

NOTE: SILVERLINE WINDOW SIZES
SHOWN ARE SERIES 'V3' ARGON-
FILLED WITH LOW-E GLASS.
SERIES FORMERLY KNOWN AS:
DOUBLE-HUNG - 3000 SERIES
CASEMENT - 70 SERIES
AWNING - 70 SERIES
SLIDING DOORS - 5800 SERIES



TRAY DETAIL
SCALE: 1/2" = 1'-0"



1 GIRDER STRAPPING
SCALE: 3/4" = 1'-0"

SECOND FLOOR PLAN
ROOF PLAN

A-3

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3 OF 6 DRAWN BY: DMP

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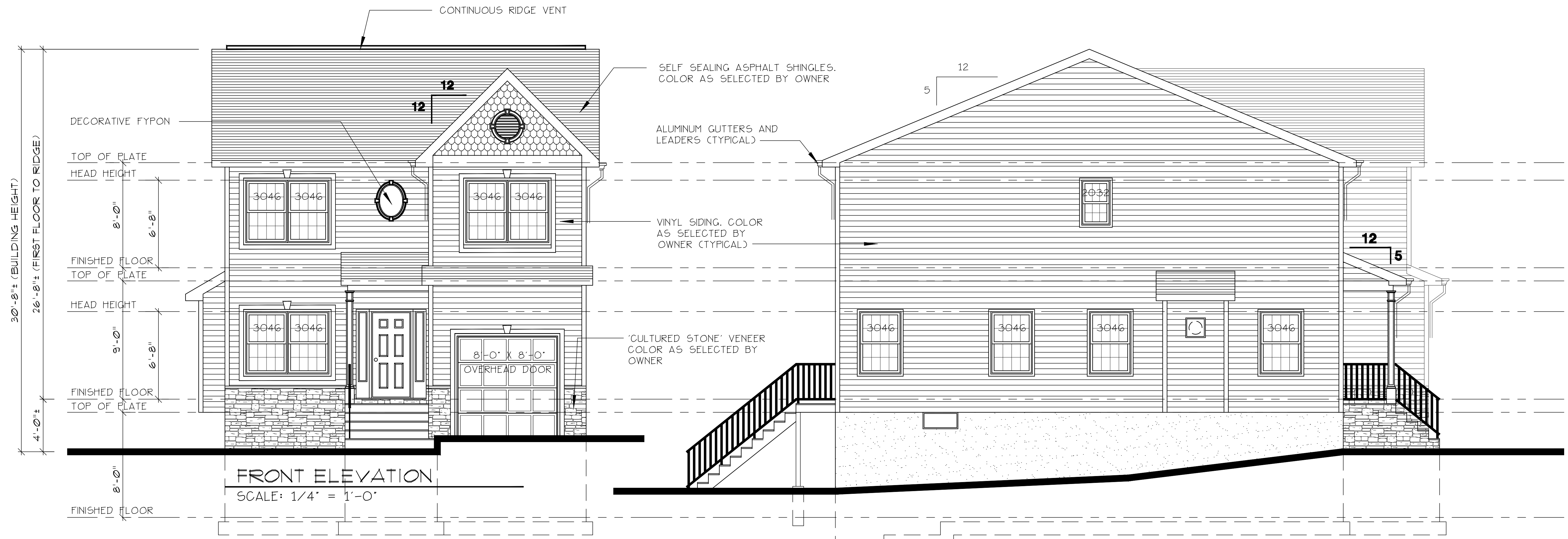
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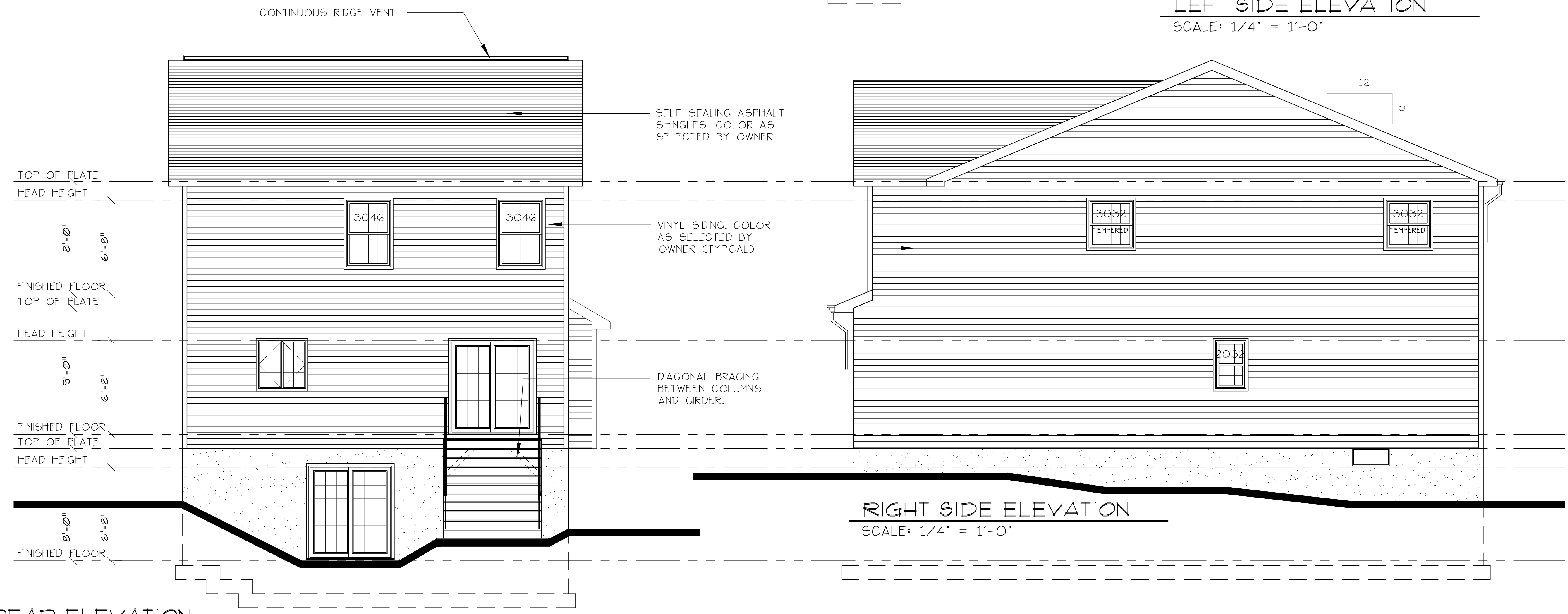
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FRONT ELEVATION
SCALE: 1/4" = 1'-0"

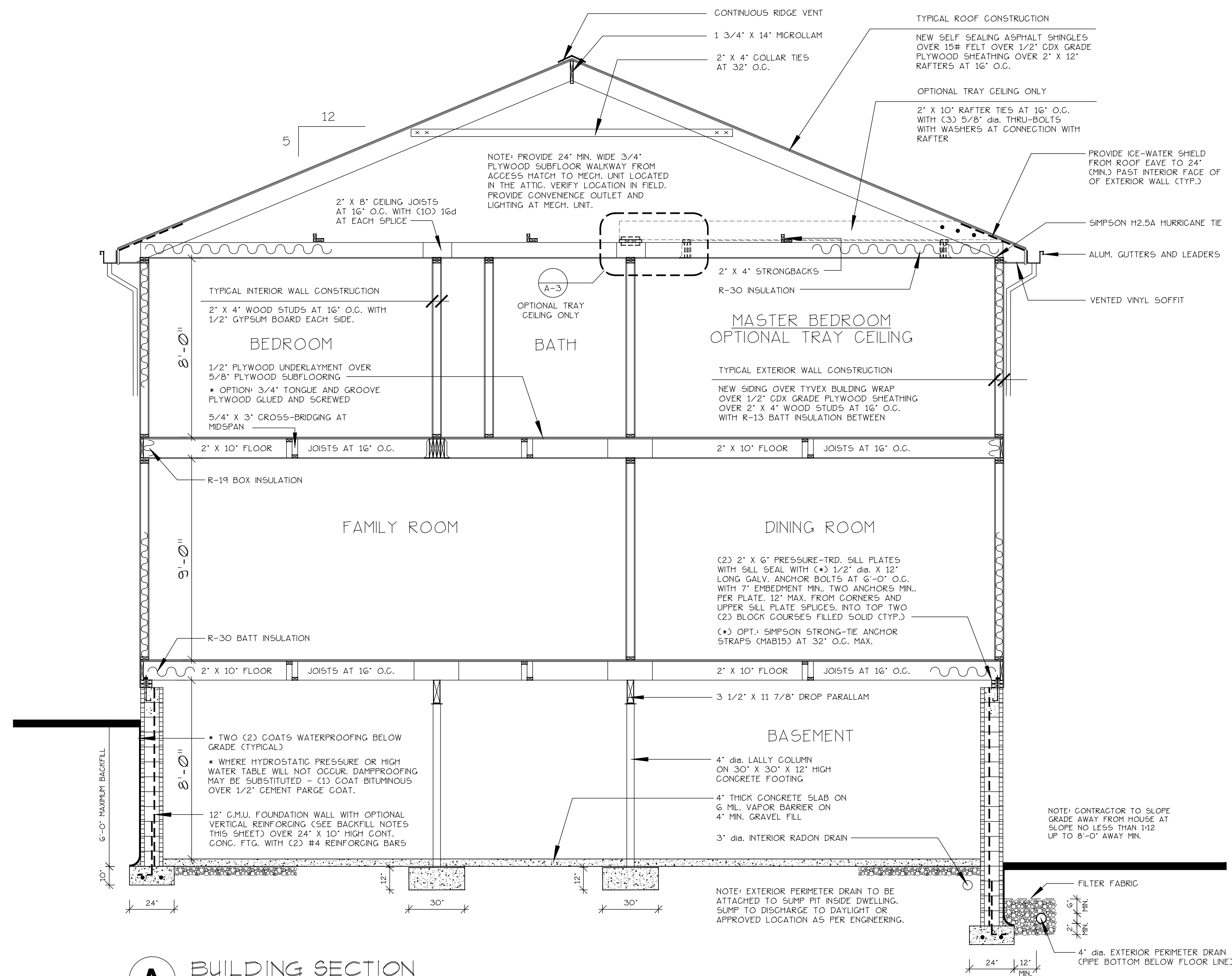
LEFT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



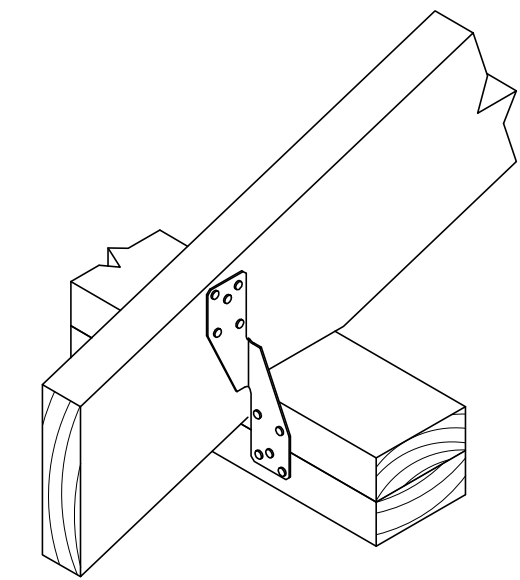
REAR ELEVATION
SCALE: 1/4" = 1'-0"

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

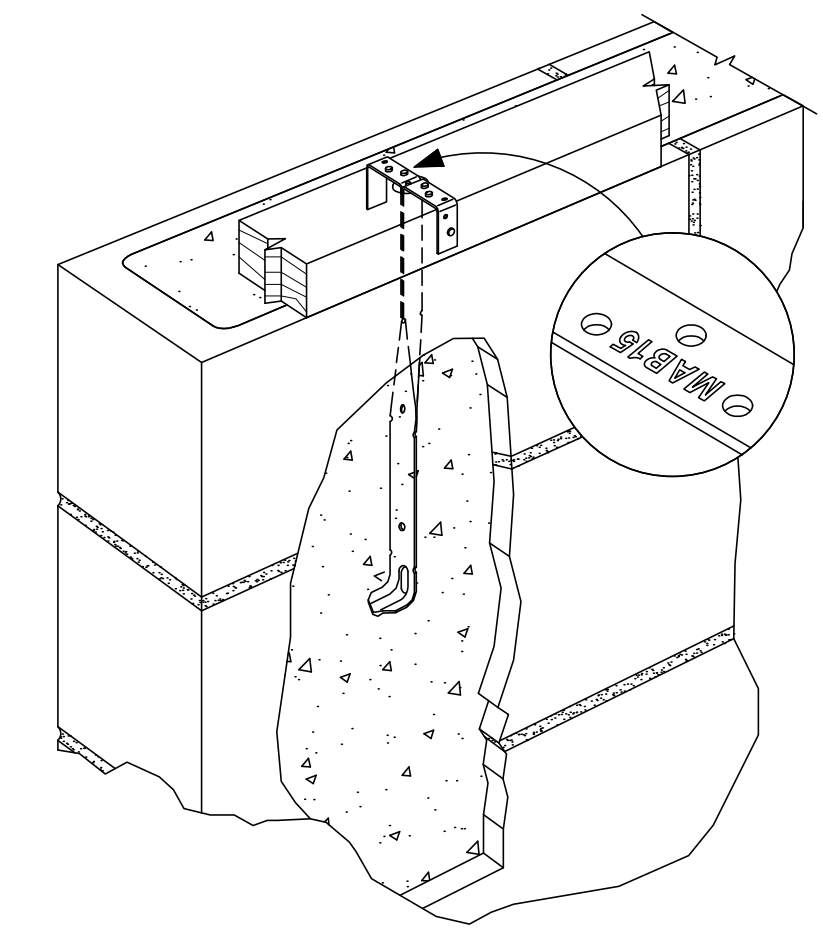
ELEVATIONS		A-4
Proposed Dwelling For: MATSON CONSTRUCTION 51 ARLINGTON AVE. BLK.263.01 LOT52 FRANKLIN TWSP., NEW JERSEY		
NOV. 20, 2020	JOB#:	2020/066.00
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A BUILDING SECTION
SCALE: 3/8" = 1'-0"



HURRICANE TIE (SIMPSON H2.5A)
NOT TO SCALE



ANCHOR STRAP DETAIL
NOT TO SCALE

OPTIONAL 7'-0" BACKFILL NOTE:
CONTRACTOR OPTION TO INSTALL
FOUNDATION WITH 7'-0" BACKFILL
MAXIMUM. SEE OPTIONS BELOW:

- FULLY-GROUT FOUNDATION (FILL
BLOCK SOLID) IN LOCATIONS TO
HAVE MORE THAN 6'-0" BACKFILL
OR
- #5 VERTICAL RE-BAR TO BE
INSTALLED AT 48" O.C. (BLOCK
CORES TO BE FILLED SOLID AT
BAR LOCATIONS ONLY) WHERE
MORE THAN 6'-0" OF BACKFILL

INFORMATION VALID FOR SOIL
CLASSES GW, GP, SW, SP, GM,
GC, SM, SM-SC AND ML ONLY.

INFORMATION NOT VALID FOR SC,
ML-CL AND INORGANIC CL SOILS.
PROVIDE SOIL REPORT.

BUILDING SECTION 'A' SECTION DETAIL		A-5
Proposed Dwelling For: MATSON CONSTRUCTION 51 ARLINGTON AVE. BLK.263.01 LOT52 FRANKLIN TWSP., NEW JERSEY		
NOV. 20, 2020	JOB# 2020/066.00	
5 OF 6	DRAWN BY: DMP	
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WALL CONSTRUCTION

TABLE R802.3(1) FASTENING SCHEDULE			
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER**	SPACING AND LOCATION
Roof			
1	Blocking between ceiling joists or rafters to top plate	4-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	Toe nail
2	Ceiling joists to top plate	4-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	Per joist, toe nail
3	Ceiling joist not attached to parallel rafter, laps over partitions (see Section R802.5.2 and Table R802.5.2)	4-10d box (3" x 0.128"); or 3-16d common (3 1/2" x 0.162"); or 4-3" x 0.131" nails	Face nail
4	Ceiling joist attached to parallel rafter (heel joint) (see Section R802.5.2 and Table R802.5.2)	Table R802.5.2	Face nail
5	Collar tie to rafter, face nail or 1 1/2" x 20 ga. ridge strap to rafter	4-10d box (3" x 0.128"); or 3-10d common (3" x 0.148"); or 4-3" x 0.131" nails	Face nail each rafter
6	Rafter or roof truss to plate	3-16d box nails (3 1/2" x 0.135"); or 3-10d common nails (3" x 0.148"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails	2 toe nails on one side and 1 toe nail on opposite side of each rafter or truss
7	Roof rafters to ridge, valley or hip rafters or roof rafter to minimum 2" ridge beam	4-16d (3 1/2" x 0.135"); or 3-10d common (3" x 0.148"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails	Toe nail
		3-16d box (3 1/2" x 0.135"); or 2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	End nail
Wall			
8	Stud to stud (not at braced wall panels)	16d common (3 1/2" x 0.162"); or 10d box (3" x 0.128"); or 3" x 0.131" nails	24" o.c. face nail
9	Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d box (3 1/2" x 0.135"); or 3" x 0.131" nails	12" o.c. face nail
10	Built-up header (2" to 2" header with 1/2" spacer)	16d common (3 1/2" x 0.162"); or 16d box (3 1/2" x 0.135"); or 12" o.c. each edge face nail	16" o.c. each edge face nail
11	Continuous header to stud	5-8d box (2 1/2" x 0.113"); or 4-8d common (2 1/2" x 0.131"); or 4-10d box (3" x 0.128")	Toe nail
12	Top plate to top plate	16d common (3 1/2" x 0.162"); or 10d box (3" x 0.128"); or 3" x 0.131" nails	16" o.c. face nail
13	Double top plate splice	8-16d common (3 1/2" x 0.162"); or 12-16d box (3 1/2" x 0.135"); or 12-10d box (3" x 0.128"); or 12-3" x 0.131" nails	Face nail on each side of end joint (minimum 24" lap splice length each side of end joint)

(continued)

WALL CONSTRUCTION

TABLE R802.3(1) FASTENING SCHEDULE—continued			
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER**	SPACING AND LOCATION
Floor			
24	2" subfloor to joist or girder	3-16d box (3 1/2" x 0.135"); or 2-16d common (3 1/2" x 0.162")	Blind and face nail
25	2" planks (plank & beam—floor & roof)	3-16d box (3 1/2" x 0.135"); or 2-16d common (3 1/2" x 0.162")	At each bearing, face nail
26	Band or rim joist to joist	3-16d common (3 1/2" x 0.162"); or 4-10 box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" x 14 ga. staples, 1 1/2" crown	End nail
27	Built-up girders and beams, 2-inch lumber layers	20d common (4" x 0.192"); or 10d box (3" x 0.128"); or 3" x 0.131" nails	Nail each layer as follows: 32" o.c. at top and bottom and staggered. 24" o.c. face nail at top and bottom staggered on opposite sides
28	Ledger strip supporting joists or rafters	4-16d box (3 1/2" x 0.135"); or 3-16d common (3 1/2" x 0.162"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails	At each joist or rafter, face nail
29	Bridging or blocking to joist	2-10d box (3" x 0.128"); or 2-8d common (2 1/2" x 0.131"); or 2-3" x 0.131" nails	Each end, toe nail
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER**	SPACING OF FASTENERS
Wood structural panels, subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing (see Table R802.3(3) for wood structural panel exterior wall sheathing to wall framing)			
30	1/2" - 1/2"	6d common (2" x 0.113") nail (subfloor, wall) or 8d common (2 1/2" x 0.131") nail (roof); or RRSR-01 (2 1/2" x 0.113") nail (roof)	6 12'
31	3/8" - 1"	8d common nail (2 1/2" x 0.131"); or RRSR-01 (2 1/2" x 0.113") nail (roof)	6 12'
32	1 1/2" - 1 1/2"	10d common (3" x 0.148") nail; or 8d (2 1/2" x 0.131") deformed nail	6 12'
Other wall sheathing			
33	1/2" structural cellulose fiberboard sheathing	1 1/2" galvanized roofing nail, 7/8" head diameter, or 1 1/2" long 16 ga. staple with 7/8" or 1" crown	3 6'
34	3/8" structural cellulose fiberboard sheathing	1 1/2" galvanized roofing nail, 7/8" head diameter, or 1 1/2" long 16 ga. staple with 7/8" or 1" crown	3 6'
35	1/2" gypsum sheathing	1 1/2" galvanized roofing nail; staple galvanized, 1 1/2" long, 1 1/4" screws, Type W or S	7 7'
36	3/8" gypsum sheathing	1 1/2" galvanized roofing nail; staple galvanized, 1 1/2" long, 1 1/4" screws, Type W or S	7 7'
Wood structural panels, combination subfloor underlayment to framing			
37	1/2" and less	6d deformed (2" x 0.120") nail; or 8d common (2 1/2" x 0.131") nail	6 12'
38	1/2" - 1"	8d common (2 1/2" x 0.131") nail; or 8d deformed (2 1/2" x 0.120") nail	6 12'
39	1 1/2" - 1 1/2"	10d common (3" x 0.148") nail; or 8d deformed (2 1/2" x 0.120") nail	6 12'

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s, 1 ksi = 6.895 MPa.

(continued)

WALL CONSTRUCTION

TABLE R802.3(1)—continued FASTENING SCHEDULE

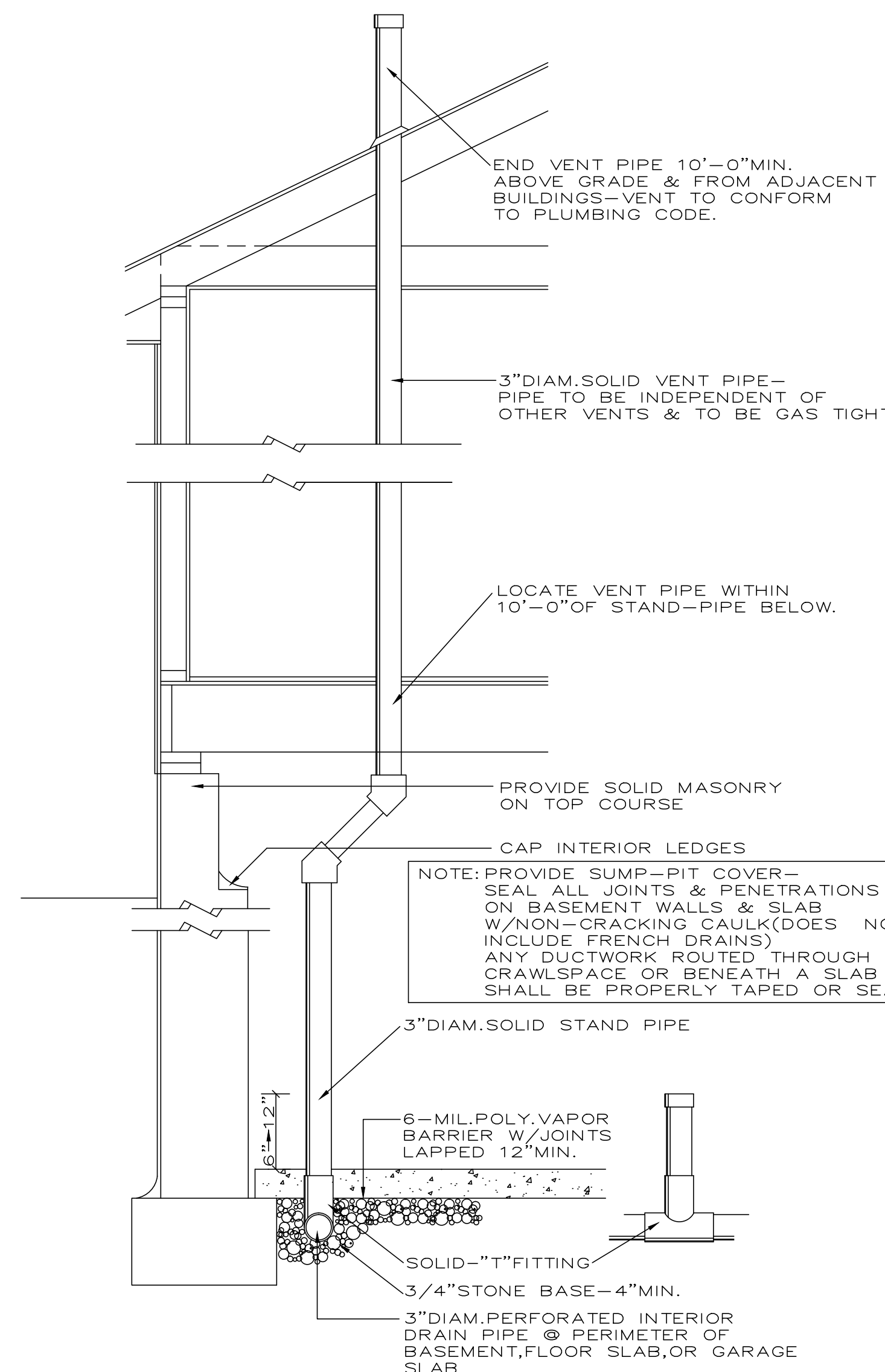
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER**	SPACING AND LOCATION
14	Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common (3 1/2" x 0.162"); or 16d box (3 1/2" x 0.135"); or 3" x 0.131" nails	16" o.c. face nail
15	Bottom plate to joist, rim joist, band joist or blocking (at braced wall panel)	3-16d box (3 1/2" x 0.135"); or 2-16d common (3 1/2" x 0.162"); or 4-3" x 0.131" nails	3 each 16" o.c. face nail 2 each 16" o.c. face nail 4 each 16" o.c. face nail
16	Top or bottom plate to stud	4-8d box (2 1/2" x 0.113"); or 3-16d box (3 1/2" x 0.135"); or 4-8d common (2 1/2" x 0.131"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails	Toe nail
17	Top plates, laps at corners and intersections	3-16d box (3 1/2" x 0.135"); or 2-16d common (3 1/2" x 0.162"); or 3-3" x 0.131" nails	Face nail
18	1" brace to each stud and plate	3-8d box (2 1/2" x 0.113"); or 2-8d common (2 1/2" x 0.131"); or 2-10d box (3" x 0.128"); or 2 staples 1 1/2"	Face nail
19	1" x 6" sheathing to each bearing	3-8d box (2 1/2" x 0.113"); or 2-8d common (2 1/2" x 0.131"); or 2-10d box (3" x 0.128"); or 2 staples, 1" crown, 16 ga., 1 1/4" long	Face nail
20	1" x 8" and wider sheathing to each bearing	3-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 4 staples, 1" crown, 16 ga., 1 1/4" long	Face nail
Floor			
21	Joist to sill, top plate or girder	4-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	Toe nail
22	Rim joist, band joist or blocking to sill or top plate (roof applications also)	8d box (2 1/2" x 0.113"); or 8d common (2 1/2" x 0.131"); or 10d box (3" x 0.128"); or 3" x 0.131" nails	4" o.c. toe nail 6" o.c. toe nail
23	1" x 6" subfloor or less to each joist	3-8d box (2 1/2" x 0.113"); or 2-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 2 staples, 1" crown, 16 ga., 1 1/4" long	Face nail

(continued)

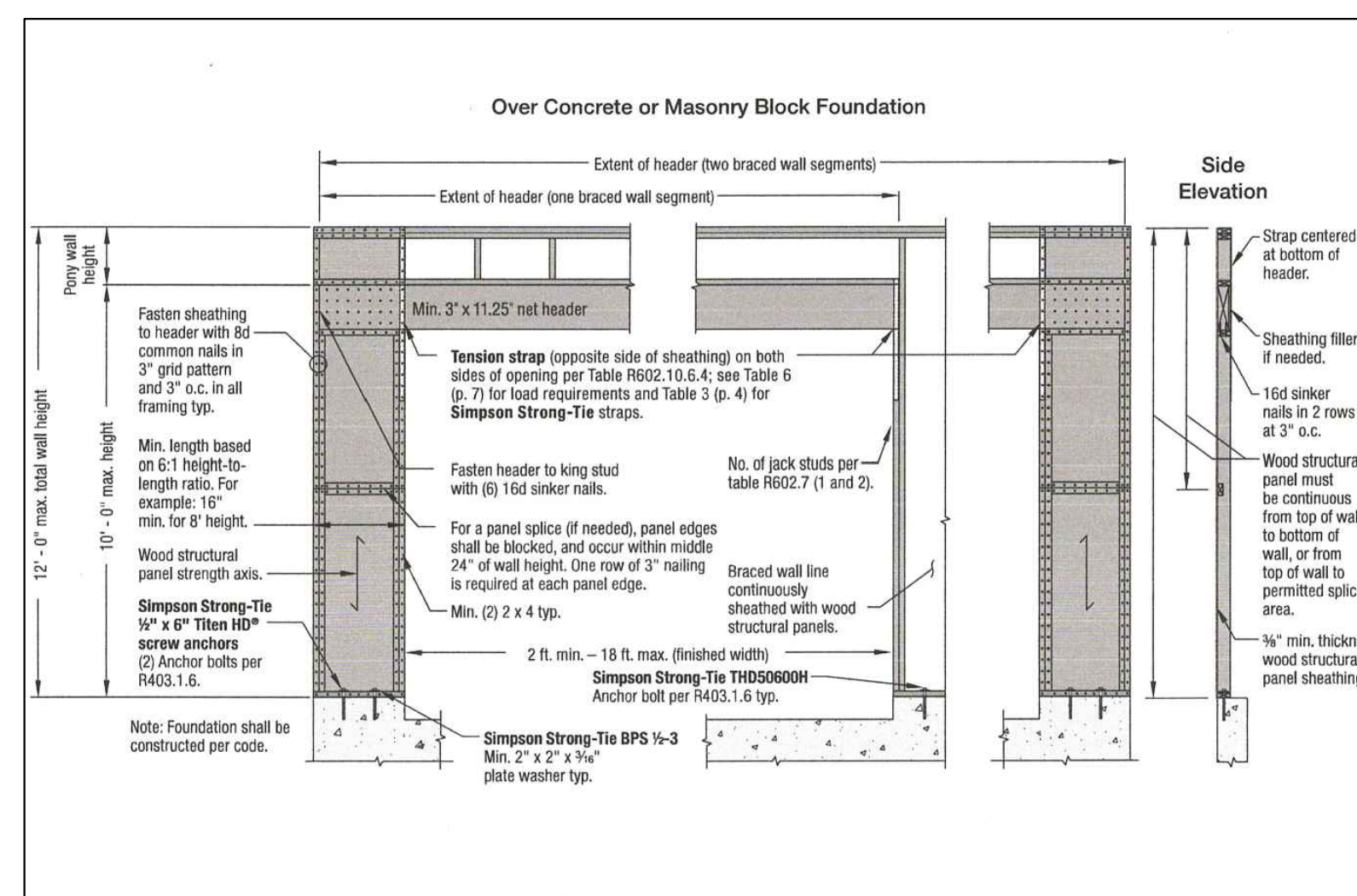
WALL CONSTRUCTION

TABLE R802.3(1)—continued FASTENING SCHEDULE

- Nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inch or less.
- Staples are 16-gauge wire and have a minimum 7/8-inch diameter crown width.
- Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.
- Four-foot by 8-foot or 4-foot by 9-foot panels shall be applied vertically.
- Spacing of fasteners not included in this table shall be based on Table R802.3(2).
- For wood structural panel roof sheathing attached to gable end roof framing and to intermediate supports within 48 inches of roof edges and ridges, nails shall be spaced at 6 inches on center where the ultimate design wind speed is less than 130 mph and shall be spaced 4 inches on center where the ultimate design wind speed is 130 mph or greater but less than 140 mph.
- Gypsum sheathing shall conform to ASTM C1396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM C208.
- Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking and at floor perimeter only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.
- Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule, provide two toe nails on one side of the rafter and toe nails from the ceiling joist to top plate in accordance with this schedule. The toe nail on the opposite side of the rafter shall not be required.
- RRSR-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.



RADON-HAZARD CONTROL PROCEDURE
5: 23-10.4



SIMPSON STRONG-TIE TENSION STRAPS EACH END
UP TO 9'-0" WIDE OVERHEAD DOOR = 'LSTA21'
UP TO 18'-0" WIDE OVERHEAD DOOR = (2) 'MSTA21'

NARROW WALL FRAMING DETAIL
NOT TO SCALE

NAILING SCHEDULE RADON DETAIL		A-6
NARROW WALL FRAMING DETAIL		
Proposed Dwelling For: MATSON CONSTRUCTION 51 ARLINGTON AVE. BLK.263.01 LOT52 FRANKLIN TWP., NEW JERSEY		
NOV. 20, 2020	JOB#:	2020/066.00
6 OF 6	DRAWN BY:	DMP
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