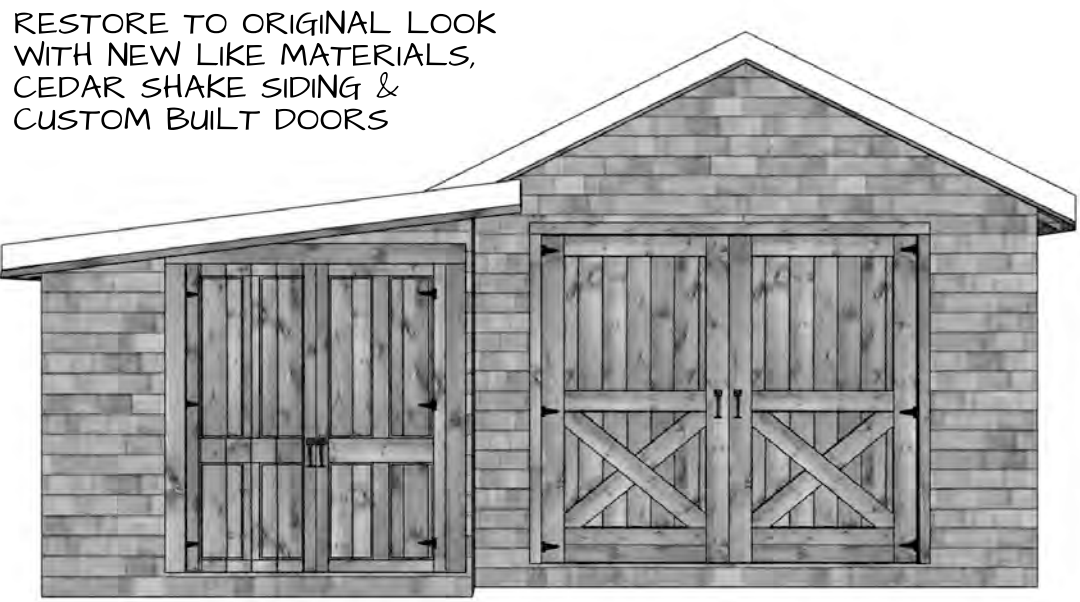




RESTORE TO ORIGINAL LOOK
WITH NEW LIKE MATERIALS,
CEDAR SHAKE SIDING &
CUSTOM BUILT DOORS

Front Elevation
Scale 1/4" = 1'



NEW JAMES HARDIE SMOOTH
CLAPBOARD W/ 5"
EXPOSURE
NEW WINDOWS THROUGHOUT

Back Elevation
Scale 1/4" = 1'



Left Elevation
Scale 1/4" = 1'



Right Elevation
Scale 1/4" = 1'



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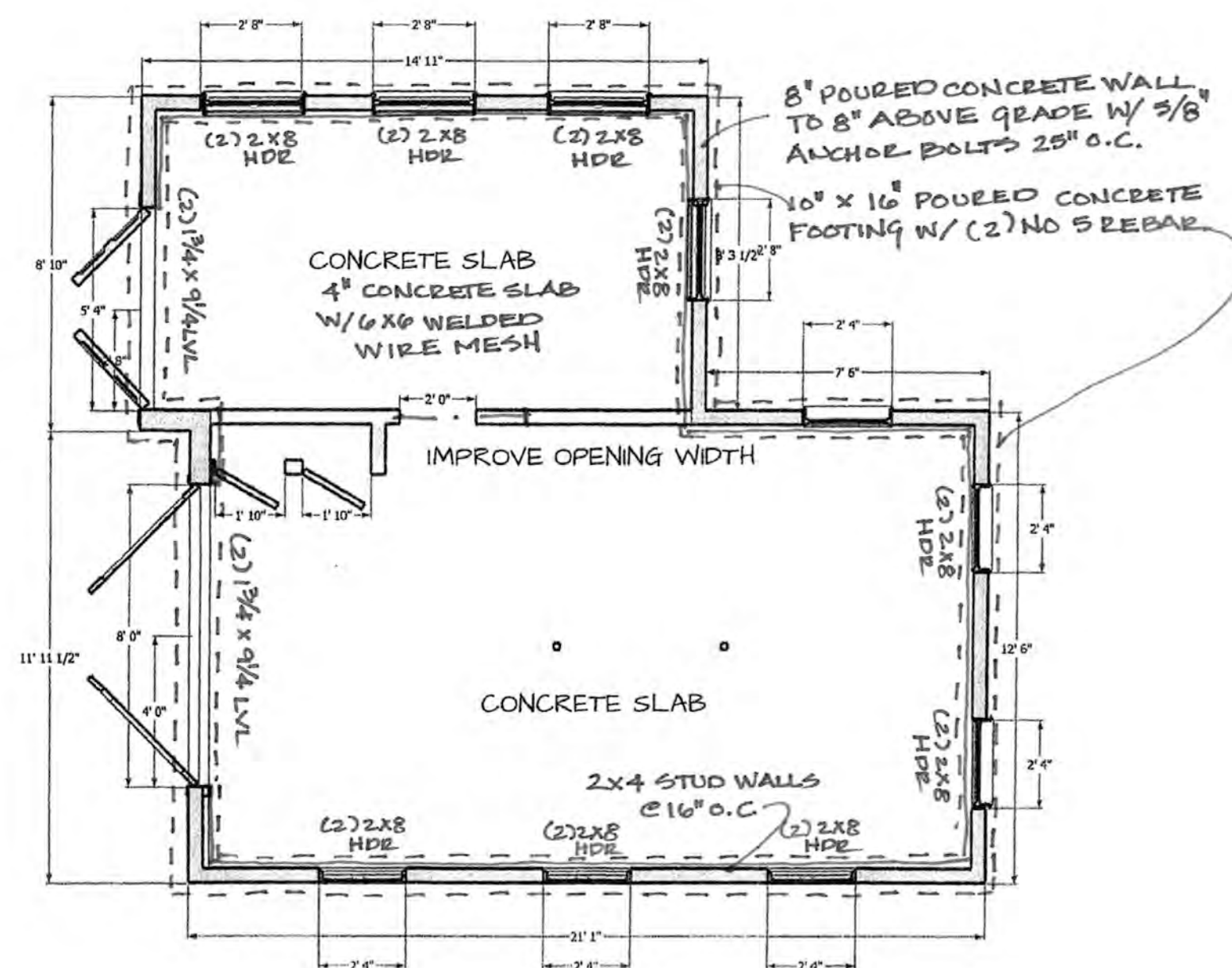
Wiss Residence Shed Plan v.2
518 First Street, Greenport, NY, 11944
SCTM# 1001-4-3-6 02/03/25

Date
02/03/25

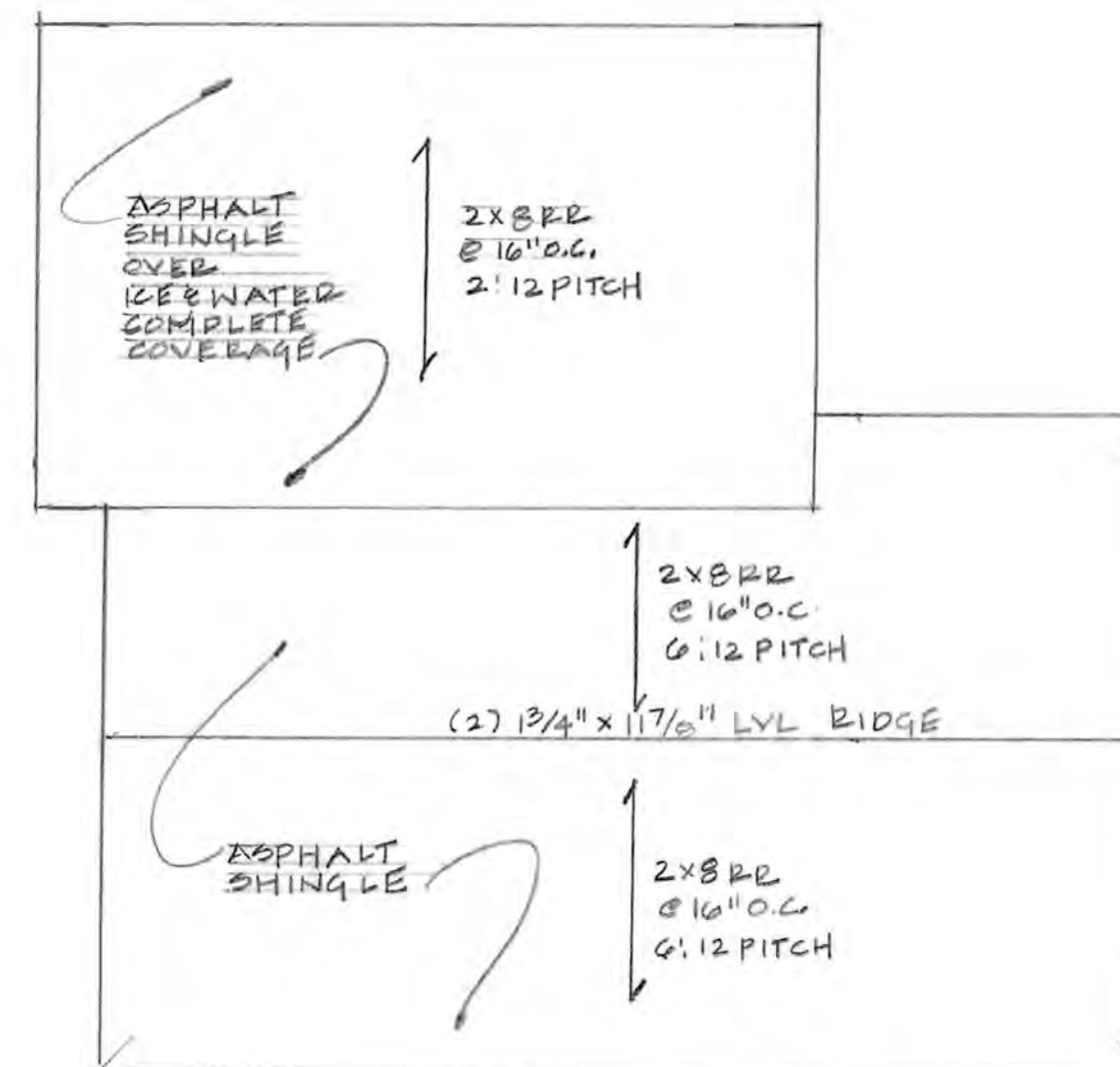
Revisions

Sheet Title
Proposed Elevations

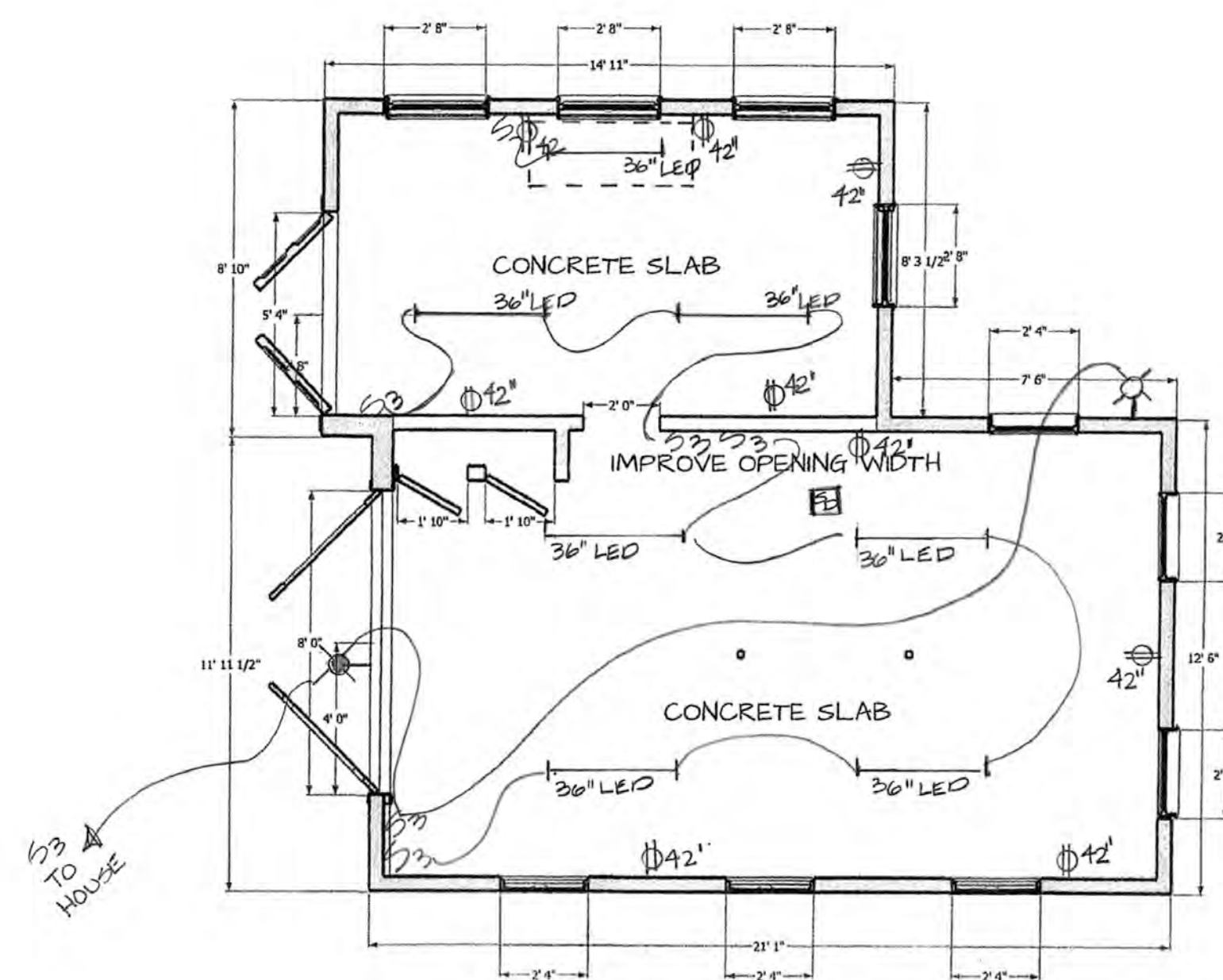
Sheet No.
1 OF 9



Proposed Floor Plan
Scale $1/4" = 1'$



PROPOSED ROOF PLAN
1/4" = 1'-0"



Proposed Electrical Plan
Scale 1/4" = 1'



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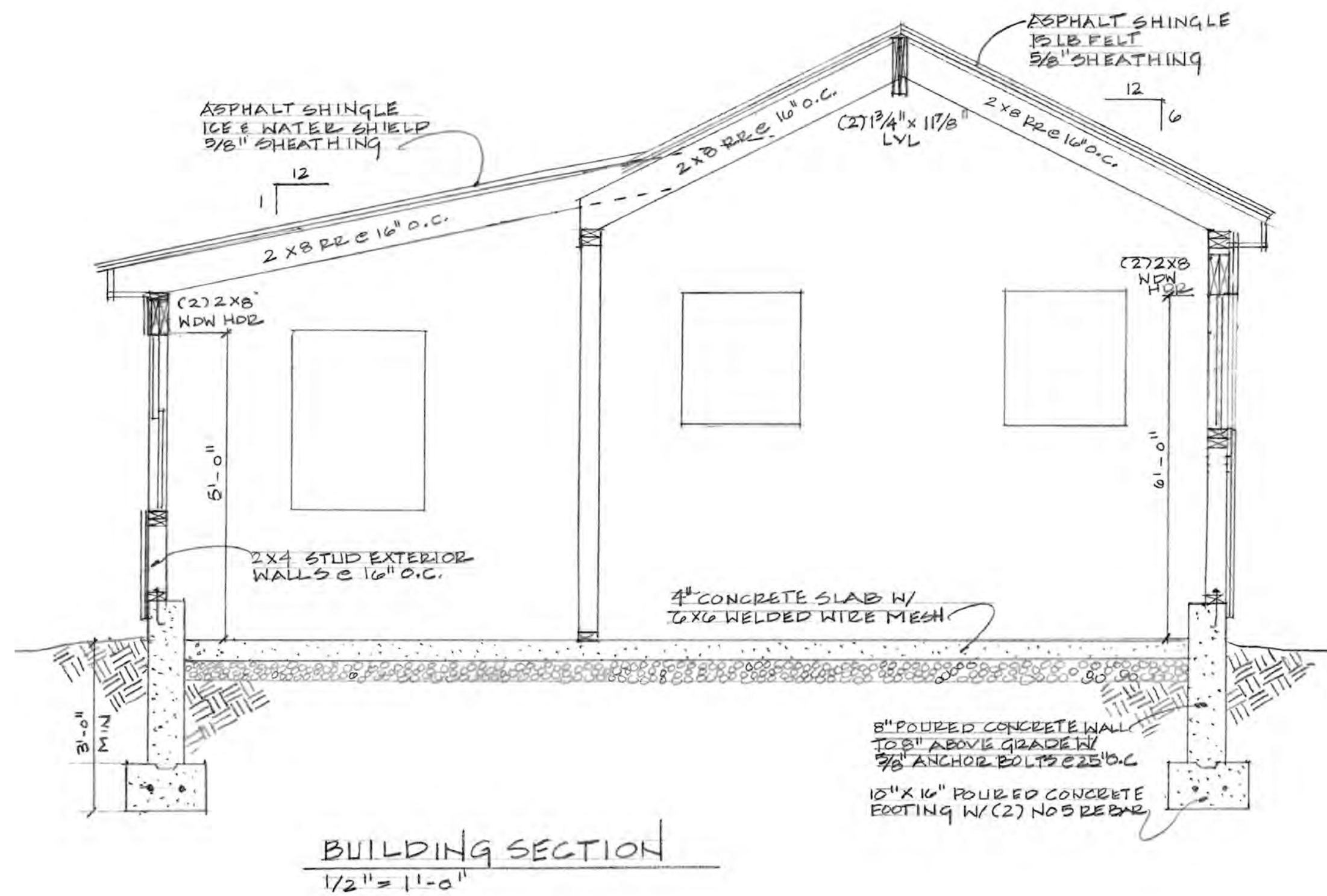
Date
02/03/25

Revisions

Sheet Title
Proposed Floor,
Roof, &
Electrical Plans

Sheet No.

2 OF 9



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Date
02/03/25

Revisions

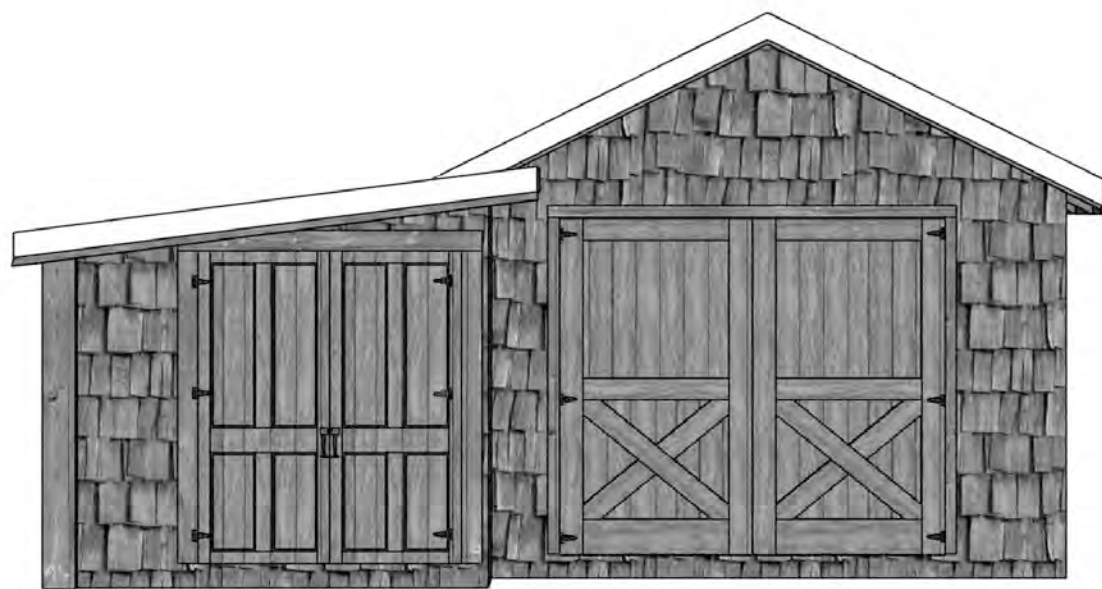
Sheet Title
Building Section

Sheet No.

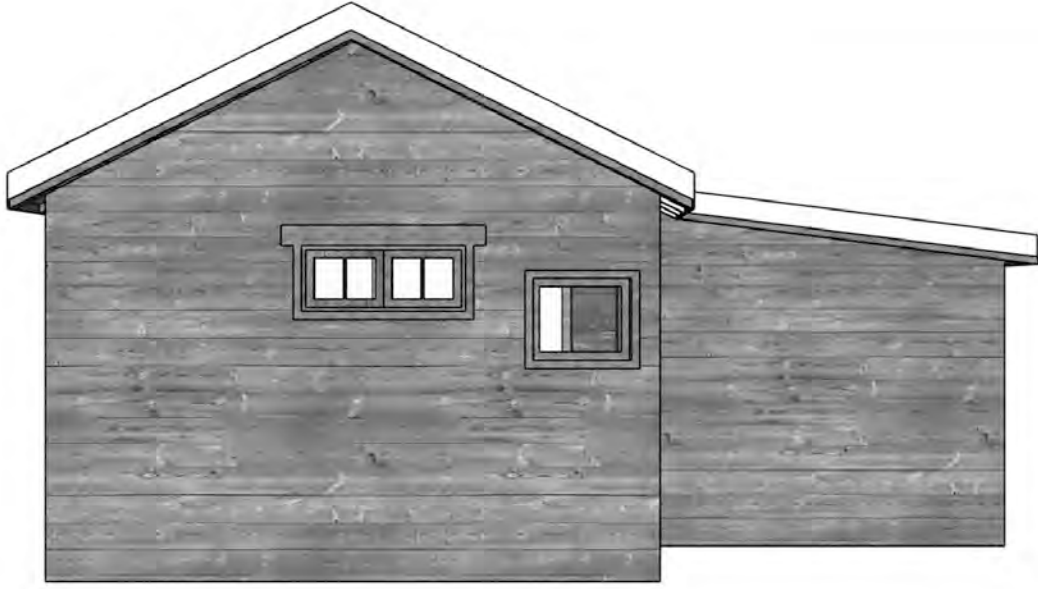
3 OF 9

Sheet No.

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Front Elevation
Scale 1/4" = 1'



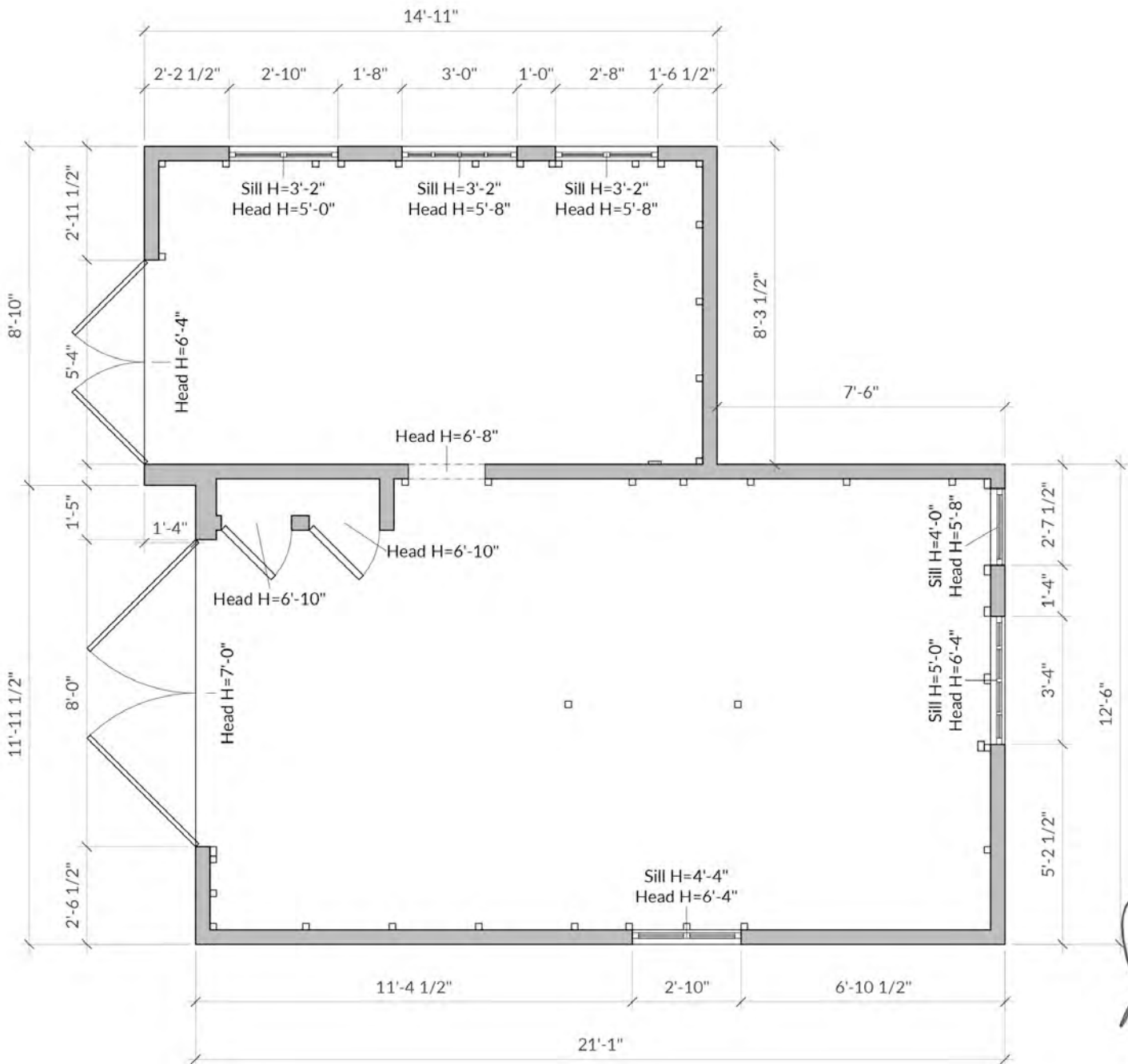
Back Elevation
Scale 1/4" = 1'



Left Elevation
Scale 1/4" = 1'



Right Elevation
Scale 1/4" = 1'



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SCTM# 1001-4-3-6 02/03/25

Date
02/03/25

Revisions

Sheet Title
As-Built
Elevations/Floor Plan
(walls straightened in drawings - see photos of original condition)

Sheet No.

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02/03/25

Revisions

Sheet Title

Photos of
Pre-existing
Conditions

Sheet No.

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GENERAL NOTES:

- The information on this set of construction documents is to relate basic design intent and framing details. They are intended as a construction aid, not as a substitute for generally accepted good building practice and are in compliance with current New York State building codes. The general contractor is responsible for providing standard construction details and procedures to ensure a professionally finished, structurally sound and weatherproof completed product.
- General contractor to coordinate all subcontractors, scheduling of work and interaction between trades.
- The contractor is responsible for ensuring that all work and construction meets or exceeds current federal, state and local codes, ordinances and regulations, etc. These codes are to be considered as part of the specifications for this building plan.
- If in the course of construction, a condition exists which disagrees with that as indicated on these drawings, the contractor shall stop work and notify the designer & the engineer immediately. Should he fail to follow this procedure and continue work, he shall assume all responsibility and liability arising therefrom.
- Dimensions take precedent over scale - DO NOT SCALE DRAWINGS.
- The designer has not been engaged for construction supervision and assumes no responsibility for construction coordinating with these plans, nor responsibility for construction means, methods, techniques, sequences or procedures or for safety precautions and programs in connection with the work indicated. There are no warranties for a specific use expressed or implied in the use of these plans.

- Contractor to provide hardwired smoke detectors, with battery back up, and with no intervening switches, on all floors and in each bedroom. Verify with local code requirements as per Section R317 New York State Residential Construction Code. Install carbon monoxide detectors as per code.

FOUNDATION NOTES:

- General contractor to review plans, elevations and details to determine intended heights of finished floor above typical grade.
- Footings shall bear on undisturbed soil within bearing capacity of 1.5 tons/sq.ft.
- Concrete shall be FC = 3,500 PSI @ 28 days
- Concrete on 4" sand or gravel fill minimum, with 6x6 - 10/10 welded wire mesh reinforcement. Interior slabs to be placed on 6 mil. stabilized polyethylene vapor barrier. Welded wire mesh is to be placed in the top third of the slab and is to be adequately supported by precast concrete bar supports to assure that the reinforcement is held in position during concrete placement and finishing.
- Isolation joints are to be installed between the slab and the walls. Use preformed joint filler that is to be cut 1/2" below the slab surface and the resulting joint is to be filled with an elastomeric joint sealant.
- General contractor to install cop-r-tex (or copper) sheet metal termite shields between all wood surfaces that are exposed to concrete or masonry surfaces.
- Dampproof exterior of foundation wall with a bituminous coating; Foundation excavation is not to be backfilled prior to the installation of the floor framing.

PLUMBING & HVAC NOTES:

- All plumbing work shall be done by a duly licensed plumber and must conform and adhere to all New York State building codes & safety requirements.
- If wall plates or joists are cut during the installation of plumbing fixtures or equipment contractor must provide appropriate bracing to tie framing back together.
- Baseboard heating is to be hot water and zoned. Plumbing contractor is to adequately size the system and place the baseboards in an unobstructive location in each room required to receive heat. Minimum of one thermostat for each zone will be required.
- Mechanical subcontractor is responsible for adhering to all applicable codes and safety requirements.
- HVAC subcontractor to fully coordinate system data & requirements with the equipment supplier and to provide final system layout drawing and submit it to general contractor, owner and equipment supplier for final review & approval.

ELECTRICAL NOTES:

- All electcnal work to be BOARD OF FIRE UNDERWRITERS approved and to include installation of fixtures & specifications as indicated on plans. Light fixtures to be supplied by owner and installed by contractor. GFI outlets required at bathrooms and exterior areas. Install all outlets as per code. All work is to be done in strict accordance with the New York State Code by a licensed electncian. All new switches & outlets to be Leviton, standard, supplied & installed by contractor. Contractor to do all hook-ups as required for bathrooms.

FRAMING NOTES:

- All lumber is to be Douglas Fir #2 or better at 16" on center
 - All wood framing in contact with concrete or masonry is to be pressure treated. 'ACQ' designation refers to current arsenic-free treated wood standards and shall take the place of 'CCA'
 - All TJI's are to be installed in accordance with the manufacturer's specifications and shall include squash blocking web stiffeners at bearing points on girders and other load bearing areas
 - Structural Steel ASTM A36 - FY = 36 KSI
 - All straps, connectors, plates, bolts, nails, etc. are to be galvanized. Designated connectors, straps etc. on these drawings are my by Simpson unless otherwise indicated. All connectors, straps, etc. are to be nailed/bolted in accordance with the manufacturer's specifications.
 - All floor sheathing is to be 3/4" AC type plywood, tongue & groove and shall be glued and screwed to the floor joists (6" o.c. edges & 12" o.c. field)
 - Solid blocking is to be installed every 8'-0" max. or mid span of all floor joists with spans exceeding 8'-0". Blocking is to be installed at all point load bearing points.
 - Install double joists under all partitions running parallel
 - All exterior wall headers to be 2- LVL's as indicated on floor plans & sections and all interior headers are to be 2- 2" x 8" unless otherwise noted. All headers exceeding 5'-0" shall have a double jack stud with a single lng stud & on exterior walls provide double sill plate (typical).
 - Provide insulation baffles at eave vents between rafters and soffit vents as indicated on plans
 - Exterior flashing is to be adequately installed at all connections between roofs, walls, chimneys, projections and penetrations as required by approved constnction practices.
- FLOOR PLAN NOTES:
- Dimensions shall take precedent over scale drawings, DO NOT SCALE DRAWINGS
 - All interior walls to be covered with 1/2" gypsum board with metal corner reinforcing. All drywall products, including gypsum board, screw, joint compound, tapes & trim shall be U.S. Gypsum Co. or approved equal. All joints shall recieve 3 coats of joint treatment. Sand final coat to a uniform smooth surface. All walls, ceiling and interior of closets to be taped and spackled, 3 coats, ready for paint.
 - Insulation ratings and installation locations as indicated on floor plans & sections
 - Walls common to garage and house to have a layer of 5/8" fire rated gypsum board at garage side with 5'-0" return on adjacent walls & ceiling. Provide 2 layers of 5/8" fire rated gypsum board on all engineered lumber as required by manufacturer specifications
 - All bath & kitchen area walls and ceilings adjacent to wet areas to have water resistant drywall, and provide wonderboard for all areas set to receive tile.

GEOGRAPHIC & CLIMATE DESIGN CRITERIA

GROUND SNOW LOAD	45 psf
WIND SPEED	130 MPH
SEISMIC DESIGN CATAGORY	B
WEATHERING	SEVERE
FROST LINE DEPTH	36"
TERMITE THREAT	MODERATE TO HEAVY
DECAY	SLIGHT TO MODERATE
WINTER DESIGN TEMPERATURE	11
FLOOD HAZARD	AS NOTED

TABLE R301.5
MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS
(in pounds per square foot)

USE	LIVE LOAD
UNINHABITED ATTICS WITHOUT STORAGE	10
UNINHABITED ATTICS WITH LIMITED STORAGE	20
HABITABLE ATTICS SERVED WITH FIXED STAIRS	30
BALCONIES (EXTERIOR) AND DECKS	60 / 40
FIRE ESCAPES	40
GUARDS	200
HANDRAILS	200
GUARD IN-FILL COMPONENTS	50
PASSENGER VEHICLE GARAGES	50
ROOMS OTHER THAN SLEEPING ROOMS	40
SLEEPING ROOMS	30
STAIRS	40



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SCTM# 1001-4-3-6 02/03/25

Date

02/03/25

Revisions

Sheet Title

Structural Details I

Sheet No.

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ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENERS ^{a, b, c}	SPACING AND LOCATION
		Roof	
		4-60 box ($3\frac{1}{2}" \times 0.132"$); or 3-60 common ($3\frac{1}{2}" \times 0.131"$); or 3-10d box ($3" \times 0.128\frac{1}{2}"$); or 3-3" x 0.131" nails	Two nail
1	Blocking between ceiling joists, rafter or trusses to top plate or other framing below	2-60 common ($3\frac{1}{2}" \times 0.131"$); or 2-3" x 0.131" nails	Each end box nail
	Blocking between rafters or truss not at the wall top plate, to rafter or truss	2-16d common ($3\frac{1}{2}" \times 0.162"$); or 3-2" x 0.131" nails	End nail
	Flat blocking to truss and web filter	16d common ($3\frac{1}{2}" \times 0.162"$); or 3" x 0.131" nails	6" o.c. face nail
2	Ceiling joists to top plate	4-60 box ($3\frac{1}{2}" \times 0.132"$); or 3-6d common ($3\frac{1}{2}" \times 0.131\frac{1}{2}"$); or 3-10d box ($3" \times 0.128\frac{1}{2}"$); or 3-3" x 0.131" nails	Per joist, box nail
3	Ceiling joist not attached to parallel rafter, laps over partitions [see Section R602.2.2 and Table R602.2.2(1)]	4-10d box ($3" \times 0.128\frac{1}{2}"$); or 3-16d common ($3\frac{1}{2}" \times 0.162"$); or 4-3" x 0.131" nails	Face nail
4	Ceiling joist attached to parallel rafter (see Joint for Section R602.2.2 and Table R602.2.2(1))	Table R602.2.2(1)	Face nail
5	Collar tie to rafter, face nail	4-10d box ($3" \times 0.128\frac{1}{2}"$); or 3-16d common ($3\frac{1}{2}" \times 0.162"$); or 4-3" x 0.131" nails	Face nail each rafter
6	Huller or end truss to top plate	3-16d box ($3\frac{1}{2}" \times 0.132"$); or 3-16d common ($3\frac{1}{2}" \times 0.145"$); or 4-16d box ($3" \times 0.128\frac{1}{2}"$); or 4-3" x 0.131" nails	2 box nails on one side and 1 box nail on opposite side of each rafter or truss
7	Roof rafters to ridge, valley or hip rafters or roof rafter to minimum 2" rafter beam	3-16d box ($3\frac{1}{2}" \times 0.132"$); or 3-16d common ($3\frac{1}{2}" \times 0.135"$); or 2-16d common ($3\frac{1}{2}" \times 0.162"$); or 3-16d box ($3" \times 0.128\frac{1}{2}"$); or 3-2" x 0.131" nails	Two nail
		Roof	
8	Stud to stud (not at braced wall panels)	16d common ($3\frac{1}{2}" \times 0.162"$); or 16d box ($3" \times 0.128\frac{1}{2}"$); or 3" x 0.131" nails	24" o.c. face nail 16" o.c. face nail
9	Stud to stud and sheathing studs at intersecting wall corners (at braced wall panels)	16d common ($3\frac{1}{2}" \times 0.135"$); or 3" x 0.131" nails	16" o.c. face nail 16" o.c. face nail
10	Built-up header ($2\frac{1}{2}"$ header with $\frac{1}{2}"$ spacer)	16d common ($3\frac{1}{2}" \times 0.162"$); or 16d box ($3\frac{1}{2}" \times 0.135"$); or 5-6d box ($2\frac{1}{2}" \times 0.113"$); or 4-6d common ($3\frac{1}{2}" \times 0.131"$); or 4-10d box ($3" \times 0.128\frac{1}{2}"$); or 3-16d common ($3\frac{1}{2}" \times 0.162"$); or 4-3" x 0.131" nails	18" o.c. each edge face nail 12" o.c. each edge face nail
11	Continuous header to stud	4-6d common ($3\frac{1}{2}" \times 0.131"$); or 4-10d box ($3" \times 0.128\frac{1}{2}"$); or 3-16d common ($3\frac{1}{2}" \times 0.162"$); or 4-3" x 0.131" nails	Two nail
	Adjacent full-height stud to end of header	3-16d common ($3\frac{1}{2}" \times 0.162"$); or 4-10d box ($3" \times 0.128\frac{1}{2}"$); or 4-3" x 0.131" nails	End nail
13	Top plate to top plate	16d common ($3\frac{1}{2}" \times 0.162"$); or 10d box ($3" \times 0.128\frac{1}{2}"$); or 3" x 0.131" nails	16" o.c. face nail 12" o.c. face nail
14	Double top plate splice	8-16d common ($3\frac{1}{2}" \times 0.162"$); or 12-16d box ($3\frac{1}{2}" \times 0.135"$); or 12-10d box ($3" \times 0.128\frac{1}{2}"$); 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)
15	Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common ($3\frac{1}{2}" \times 0.162"$); or 16d box ($3\frac{1}{2}" \times 0.135"$); or 3" x 0.131" nails	16" o.c. face nail 12" o.c. face nail
		Roof	
16	Bottom plate to joist, rim joist, band joist or blocking (at braced wall panels)	3-16d box ($3\frac{1}{2}" \times 0.132"$); or 2-16d common ($3\frac{1}{2}" \times 0.145"$); or 4-3" x 0.131" nails	16" o.c. face nail
		Roof	
17	Top or bottom plate to stud	4-6d box ($2\frac{1}{2}" \times 0.113"$); or 3-16d box ($3\frac{1}{2}" \times 0.132"$); or 4-6d common ($3\frac{1}{2}" \times 0.131"$); or 4-10d box ($3" \times 0.128\frac{1}{2}"$); or 4-3" x 0.131" nails	Two nail
		Roof	
18	Top plates, face at corners and intersections	2-16d common ($3\frac{1}{2}" \times 0.162"$); or 3-10d box ($3" \times 0.128\frac{1}{2}"$); or 3-2" x 0.131" nails	Face nail
19	1" brace to each stud and plate	3-6d box ($2\frac{1}{2}" \times 0.113"$); or 2-6d common ($3\frac{1}{2}" \times 0.131"$); or 2-10d box ($2" \times 0.128\frac{1}{2}"$); or 2-3" x 0.131" nails	Face nail
20	1" x 6" sheathing to each bearing	3-6d box ($2\frac{1}{2}" \times 0.113"$); or 2-6d common ($3\frac{1}{2}" \times 0.131"$); or 3-10d box ($3" \times 0.128\frac{1}{2}"$); or 3-3" x 0.131" nails	Face nail
21	1" x 8" and wider sheathing to each bearing	Wider than 1" x 8" 4-6d box ($3\frac{1}{2}" \times 0.132"$); or 3-6d common ($3\frac{1}{2}" \times 0.131"$); or 3-10d box ($3" \times 0.128\frac{1}{2}"$); or 4-3" x 0.131" nails	Face nail

			Floor	
22	Joint to sill, top plate or girder	4-6d box ($2\frac{1}{2}" \times 0.131"$); or 3-6d common ($2\frac{1}{2}" \times 0.131"$); or 3-10d box ($3" \times 0.128"$); or 3-3" $\times$ 0.131" nails 6d box ($2\frac{1}{2}" \times 0.131"$) 8d common ($2\frac{1}{2}" \times 0.131"$); or 10d box ($3" \times 0.128"$); or 3" $\times$ 0.131" nails		Top nail
23	Rim joint, hand joint or blocking to sill or top plate (roof applications only)	4-6d box ($2\frac{1}{2}" \times 0.131"$); or 3-6d common ($2\frac{1}{2}" \times 0.131"$); or 3-10d box ($3" \times 0.128"$); or 3" $\times$ 0.131" nails		4" o.c. box nail 6" o.c. box nail
24	1" $\times$ 6" subfloor or less to each joist	2-8d box ($2\frac{1}{2}" \times 0.131"$); or 2-6d common ($2\frac{1}{2}" \times 0.131"$); or 3-10d box ($3" \times 0.128"$); or 2 staples, 1" crown, 16 ga., $\frac{11}{16}"$ long		Face nail
25	2" subfloor to joist or girder	3-16d box ($3\frac{1}{2}" \times 0.135"$); or 2-16d common ($3\frac{1}{2}" \times 0.162"$); or 3-16d box ($3\frac{1}{2}" \times 0.135"$); or 2-16d common ($3\frac{1}{2}" \times 0.162"$)		Blind and face nail
26	2" planed (beam & beam—floor & roof)	3-16d box ($3\frac{1}{2}" \times 0.162"$); or 2-16d common ($3\frac{1}{2}" \times 0.162"$)		At each bearing, face nail
27	Band or rim joist to joist	3-16d common ($3\frac{1}{2}" \times 0.162"$); or 4-10 box ($3" \times 0.128"$); or 4-3" $\times$ 0.131" nails; or 4-3" $\times$ 4 ga. staples, $\frac{11}{16}"$ crown 2d common ($1\frac{1}{2}" \times 0.162"$); or 10d box ($3" \times 0.128"$); or 3" $\times$ 0.131" nails		End nail Nail each layer as follows: 3d" o.c. at top and bottom and staggered 2d" o.c. face nail at top and bottom staggered on opposite sides
28	Built-up girders and beams, 2-inch lumber layers	Nail: 2-2d common ($1\frac{1}{2}" \times 0.162"$); or 3-10d box ($3" \times 0.128"$); or 3-3" $\times$ 0.131" nails 4-16d box ($3\frac{1}{2}" \times 0.135"$); or 3-16d common ($3\frac{1}{2}" \times 0.162"$); or 4-10d box ($3" \times 0.128"$); or 4-3" $\times$ 0.131" nails 2-10d box ($3" \times 0.128"$); or 4-3" $\times$ 0.131" nails		Face nail at ends and at each splice
29	Ladder joist supporting joists or rafters	3-16d common ($3\frac{1}{2}" \times 0.162"$); or 4-10d box ($3" \times 0.128"$); or 4-3" $\times$ 0.131" nails		At each joist or rafter, face nail
30	Bridging or blocking to joist, rafter or truss	2-6d common ($2\frac{1}{2}" \times 0.131"$); or 3" $\times$ 0.131" nails		Each end, box nail

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a, b, c}	SPACING OF FASTENERS	
			Edges ^d (inches)	Intermediates supports ^e (inches)
Wood structural panels, subfloor, roof and interior wall sheathing to framing and particulateboard wall sheathing to framing (see Table PR02.2)(2) for wood structural panel exterior wall sheathing to wall framing)				
31	$\frac{1}{8}$ " - $\frac{1}{2}$ "	6d common or deformed ($2"$ $\times$ $0.113"$ $\times$ $0.266"$) head; or $2\frac{1}{2}"$ $\times$ $0.113"$ $\times$ $0.266"$ head nail (flush-toe, wall)	6	6'
		8d common ($2\frac{1}{2}"$ $\times$ $0.131"$) nail (prof); or PRRS-61 ($2\frac{1}{2}"$ $\times$ $0.113"$ $\times$ $0.113"$) nail (prof)	6	6'
		8d common ($2\frac{1}{2}"$ $\times$ $0.131"$ $\times$ $0.131"$ nail (subfloor, wall)	6	12'
		8d common ($2\frac{1}{2}"$ $\times$ $0.131"$) nail (prof); or PRRS-61; ($2\frac{1}{2}"$ $\times$ $0.113"$ $\times$ $0.113"$) nail (prof)	6	6'
32	$\frac{3}{16}$ " - $\frac{1}{4}$ "	Deformed $2\frac{1}{2}"$ $\times$ $0.113"$ $\times$ $0.266"$ head (wall or subfloor)	6	12'
		10d common ($3"$ $\times$ $0.148"$) nail; or ($2\frac{1}{2}"$ $\times$ $0.131"$ $\times$ $0.261"$) nail; deformed nail	6	12'
Other wall sheathing ^f				
34	$\frac{1}{8}$ " structural cellulose fiberboard sheathing	$\frac{1}{8}"$ $\times$ $0.120"$ galvanized roofing nail; $1/16"$ head diameter; or $\frac{1}{8}"$ $\times$ long 16 ga. staples with $1/16"$ or 1" crown	3	6
		$\frac{1}{8}"$ $\times$ $0.120"$ galvanized roofing nail; $1/16"$ head diameter; or $\frac{1}{8}"$ $\times$ long 16 ga. staples with $7/16"$ or 1" crown	3	6
		$\frac{1}{8}"$ $\times$ $0.120"$ galvanized roofing nail; $1/16"$ head diameter; or $\frac{1}{8}"$ $\times$ $0.120"$ galvanized roofing nail; $1/16"$ head diameter; or $\frac{1}{8}"$ $\times$ long 16 ga.	7	7
36	$\frac{1}{8}$ " gypsum sheathing ^g	staple galvanized, $\frac{1}{8}"$ long; $7/16"$ or 1" crown or $1/16"$ screws, Type W or S	7	7
		$\frac{1}{8}"$ $\times$ $0.120"$ galvanized roofing nail; $1/16"$ head diameter; or $\frac{1}{8}"$ $\times$ long 16 ga.	7	7
37	$\frac{1}{8}$ " gypsum sheathing ^g	staple galvanized, $\frac{1}{8}"$ long; $7/16"$ or 1" crown or $1/16"$ screws, Type W or S	7	7
		$\frac{1}{8}"$ $\times$ $0.120"$ galvanized roofing nail; $1/16"$ head diameter; or $\frac{1}{8}"$ $\times$ long 16 ga.	7	7
Wood structural panels, combination subfloor underlayment to framing				
41	$\frac{1}{8}$ " and 1/4"	Deformed ($2"$ $\times$ $0.113"$) or Deformed ($2"$ $\times$ $0.120"$) nail; or 8d common ($2\frac{1}{2}"$ $\times$ $0.131"$) nail	6	12'
		8d common ($2\frac{1}{2}"$ $\times$ $0.121"$) nail; or Deformed ($2\frac{1}{2}"$ $\times$ $0.131"$) or Deformed ($2\frac{1}{2}"$ $\times$ $0.120"$) nail	6	12'
		10d common ($3"$ $\times$ $0.148"$) nail; or Deformed ($\frac{1}{2}"$ $\times$ $0.131"$) or Deformed ($\frac{1}{2}"$ $\times$ $0.120"$) nail	6	12'
42	$\frac{1}{8}$ " - $\frac{1}{4}$ "	Deformed ($2\frac{1}{2}"$ $\times$ $0.131"$) or Deformed ($2\frac{1}{2}"$ $\times$ $0.120"$) nail	6	12'
		Deformed ($2\frac{1}{2}"$ $\times$ $0.131"$) or Deformed ($2\frac{1}{2}"$ $\times$ $0.120"$) nail	6	12'

ALLOWABLE DEFLECTION OF STRUCTURAL MEMBERS	
STRUCTURAL MEMBER	ALLOWABLE DEFLECTION
Rafter having slope greater than 5/12 with no framed ceiling attached to rafter	L/180
Interior walls & partitions	H/180
Floors & plastered ceilings	L/360
All other structural members	L/240
Exterior walls with plaster or stucco finish	H/360
Exterior walls - wind loads with brittle finishes	L/240
Exterior walls - wind loads with flexible finishes	L/120

CONNECTION LOCATION:	PART NUMBER:	NOTES:
RIDGE-TO-RAFTERS	C920 @ 21"	APPLY TO EACH PAIR OF RAFTERS
RAFTER-TO-WALL	H7	APPLY TO EACH RAFTER
RAFTER-TO-PLATE	H8 or H2.5	APPLY TO EACH RAFTER
PLATE-TO-WALL STUD	C920 @ 18"	APPLY TO EACH WALL STUD
2ND. FLOOR WALL-TO-1ST. FLOOR WALL	LFTA or C920 @ 36"	APPLY TO EACH WALL STUD
HEADER-TO-JACK STUD	C920 @ 12"	APPLY TO EACH JACK STUD
CRIPPLE STUD-TO-HEADER	H3	APPLY TO EACH CRIPPLE STUD
SHEAR WALL HOLDDOWN ANCHOR	95TB16	APPLY TO EACH SIDEWALL END
1ST. FLOOR-UNDER-SILL PLATE	C920	WRAP UNDER DOUBLE SILL PLATE (USE WITH 3" SQUARE WASHERS)

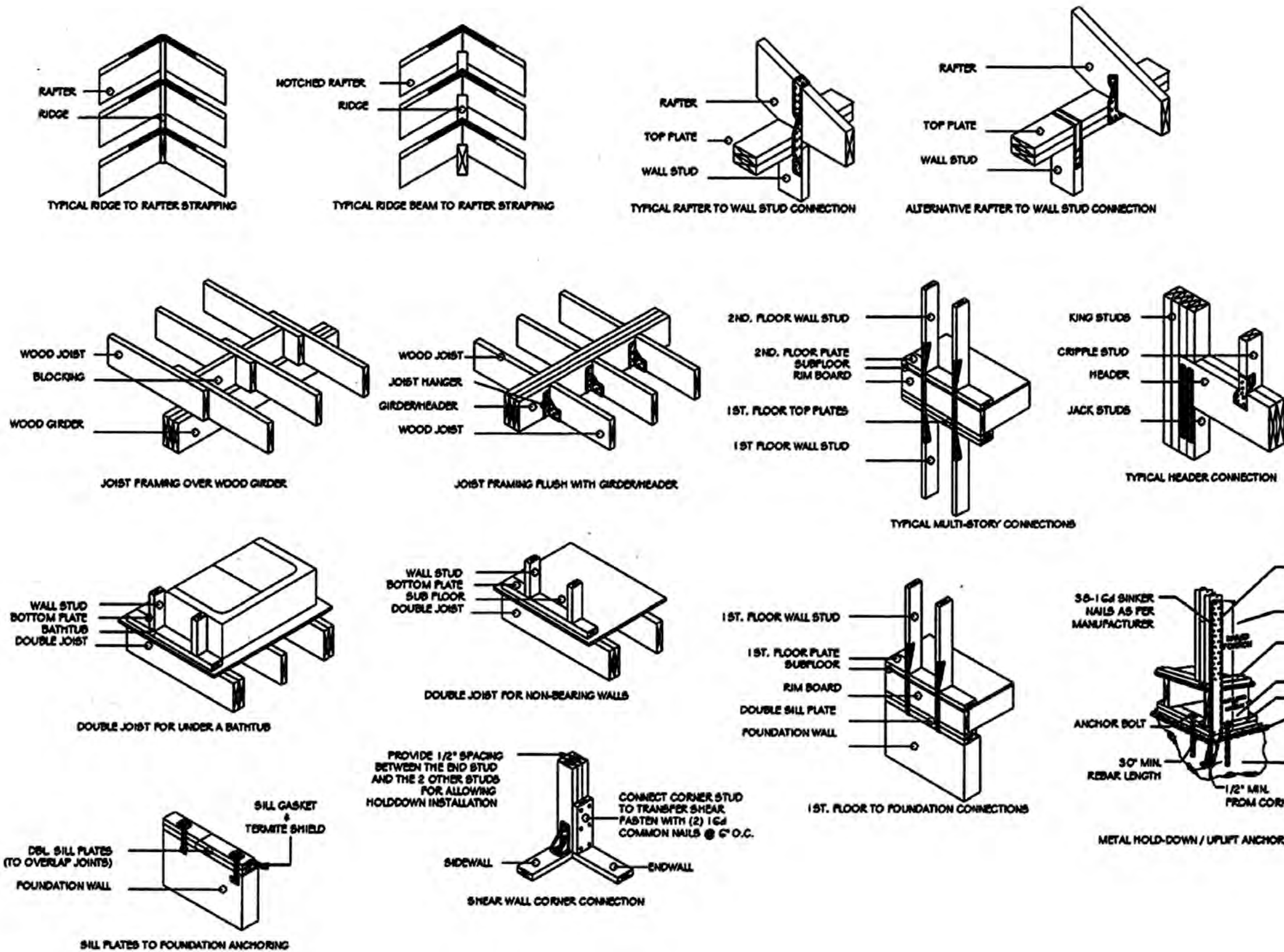
TYPE OR LOCATION OF CONCRETE CONSTRUCTION	MINIMUM SPECIFIED COMPRESSIVE STRENGTH ^a (f_c)		
	Weathering Potential ^b		
	Negligible	Moderate	Severe
Basement walls, foundations and other concrete not exposed to the weather	2,500	2,500	2,500 ^c
Basement slabs and interior slabs on grade, except garage floor slabs	2,500	2,500	2,500 ^c
Basement walls, foundation walls, exterior walls and other vertical concrete work exposed to the weather	2,500	3,000 ^d	3,000 ^d
Porches, carport slabs and steps exposed to the weather, and garage floor slabs	2,500	3,000 ^{d, e, f}	3,500 ^{d, e, f}

Joint Description	Number of Common Nails	Number of Box Nails	Nail Spacing
ROOF NAILING			
Rafter to Top Plate (Toe-nailed)	3 - 8d	3 - 8d	per rafter
Ceiling Joist to Top Plate (Toe-nailed)	3 - 8d	3 - 8d	per joist
Ceiling Joist to Parallel Rafter (Face-nailed)	5 - 16d	5 - 16d	each lap
Ceiling Joist Laps Over Partitions (Face-nailed)	5 - 16d	5 - 16d	each lap
Collar Tie to Rafter (Toe-nailed)	2 - 10d	2 - 10d	per tie
Blocking to Rafter (Toe-nailed)	2 - 8d	2 - 10d	each end
Rim Board to Rafter (End-nailed)	2 - 16d	3 - 16d	each end
WALL FRAMING			
Top Plate to Top Plate (Face-nailed)	2 - 16d (1)	2 - 16d (1)	per foot
Top Plates at Intersections (Face-nailed)	4 - 16d	5 - 16d	joists - each side
Stud to Stud (Face-nailed)	2 - 16d	2 - 16d	24" o.c.
Header to Header (Face-nailed)	16d	16d	16" o.c. along edges
Top or Bottom Plate to Stud (End Nailed)	3 - 16d	2 - 40d	per stud
Bottom Plate to Floor Joist, Band Joist, End joist or Blocking (Face-nailed)	2 - 16d (1,2)	2 - 16d (1,2)	per foot
FLOOR FRAMING			
Joist to Sill, Top Plate or Girder (Toe-nailed)	4 - 8d	4 - 10d	per joist
Bridging to Joist (Toe-nailed)	2 - 8d	2 - 10d	each end
Blocking to Joist (Toe-nailed)	2 - 8d	2 - 10d	each end
Joisting to Sill or Top Plate (Toe-nailed)	3 - 16d	4 - 16d	each block
Ledger Strip to Beam (Face-nailed)	3 - 16d	4 - 16d	each joist
Joist on Ledger to Beam (Toe-nailed)	3 - 8d	3 - 10d	per joist
Band Joist to Joist (End-nailed)	3 - 16d	4 - 16d	per joist
Band Joist to Sill or Top Plate (Toe-nailed)	2 - 16d (1)	3 - 16d (1)	per foot
ROOF SHEATHING			
Structural Panels (See Notes 4, 5 and 6)			
Interior Zone	8d	10d	6" edge / 12" field
Perimeter Edge Zone	8d	10d	6" edge / 6" field
Gable End Rake with up to 1' Rake Overhang	8d	10d	6" edge / 6" field
CEILING SHEATHING			
Gypsum Wallboard	5d coolers	5d coolers	7" edge / 10" field
WALL SHEATHING			
Structural Panels(See Notes 1, 2, and 3)	8d	10d	6" edge / 12" field
Gypsum Wallboard	5d coolers	5d coolers	7" edge / 10" field
FLOOR SHEATHING			
Structural Panels 1" or less	8d	10d	6" edge / 12" field



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CONSTRUCTION DETAILS & WIND LOAD PATH CONNECTION DETAILS NOT TO SCALE

[NY] R402.1.2 Insulation and fenestration criteria.

The building thermal envelope shall meet the requirements of Table R402.1.2, based on the climate zone specified in Chapter 3. In climate zone 6, the building thermal envelope shall meet either the requirements of the climate zone 6 "Option 1" row in Table R402.1.2 or the requirements of the climate zone 6 "Option 2" row in Table R402.1.2.

[NY] TABLE R402.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT^a

CLIMATE ZONE	FENESTRATION U-FACTOR ^b	SKYLIGHT ^b U-FACTOR	GLAZED FENESTRATION SHGC ^{c, d}	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE ^e	FLOOR R-VALUE	BASEMENT ^g WALL R-VALUE	SLAB ^d R-VALUE & DEPTH	CRAWL SPACE ^e WALL R-VALUE
4	0.32	0.55	0.40	49	20 or 13+5"	8/13	19	10/13	10, 2 ft	10/13
5	0.30	0.55	NR	49	20 or 13+5"	13/17	30 ^h	15/19	10, 2 ft	15/19
6 Option 1	0.30	0.55	NR	49	20+5" or 13+10"	15/20	30 ^h	15/19	10, 4 ft	15/19
6 Option 2	0.28	0.55	NR	60	23 cavity	19/21	30 ^h	15/19	10, 4 ft	15/19

NR = Not Required

Per IS 1 foot = 304.8 mm.

a. R-values are minimums. U-factors and SHGC are maximums. Where insulation is installed in a cavity that is less than the table or design thickness of the insulation, the installed R-value of the insulation shall be not less than the R-value specified in the table.

b. The fenestration U-factor criterion excludes skylights. The SHGC criterion applies to all glazed fenestration.

c. "10/13" means R-10 continuous insulation on the interior or exterior of the home or R-13 cavity insulation on the interior of the basement wall. "15/19" means R-15 continuous insulation on the interior or exterior of the home or R-19 cavity insulation on the interior of the basement wall. Alternatively, compliance with "15/19" shall be R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulation on the interior or exterior of the home.

d. R-5 insulation shall be provided under the full slab area of a heated slab in addition to the required slab edge insulation R-value for slabs, as indicated in the table. The slab edge insulation for heated slabs shall not be required to extend below the slab.

e. Reserved.

f. Reserved.

g. Alternatively, insulation sufficient to fill the framing cavity and providing not less than an R-value of R-13.

h. The first value is cavity insulation, the second value is continuous insulation. Therefore, as an example, "13+5" means R-13 cavity insulation plus R-5 continuous insulation.

i. Mass walls shall be in accordance with Section R602.2.5. The second R-value applies where more than half of the insulation is on the interior of the mass wall.

Typical Window and Door Header Strapping Detail Each Corner NTS

3	1	3	3	1	3
1	2	1	1	2	1
3	1	3	3	1	3

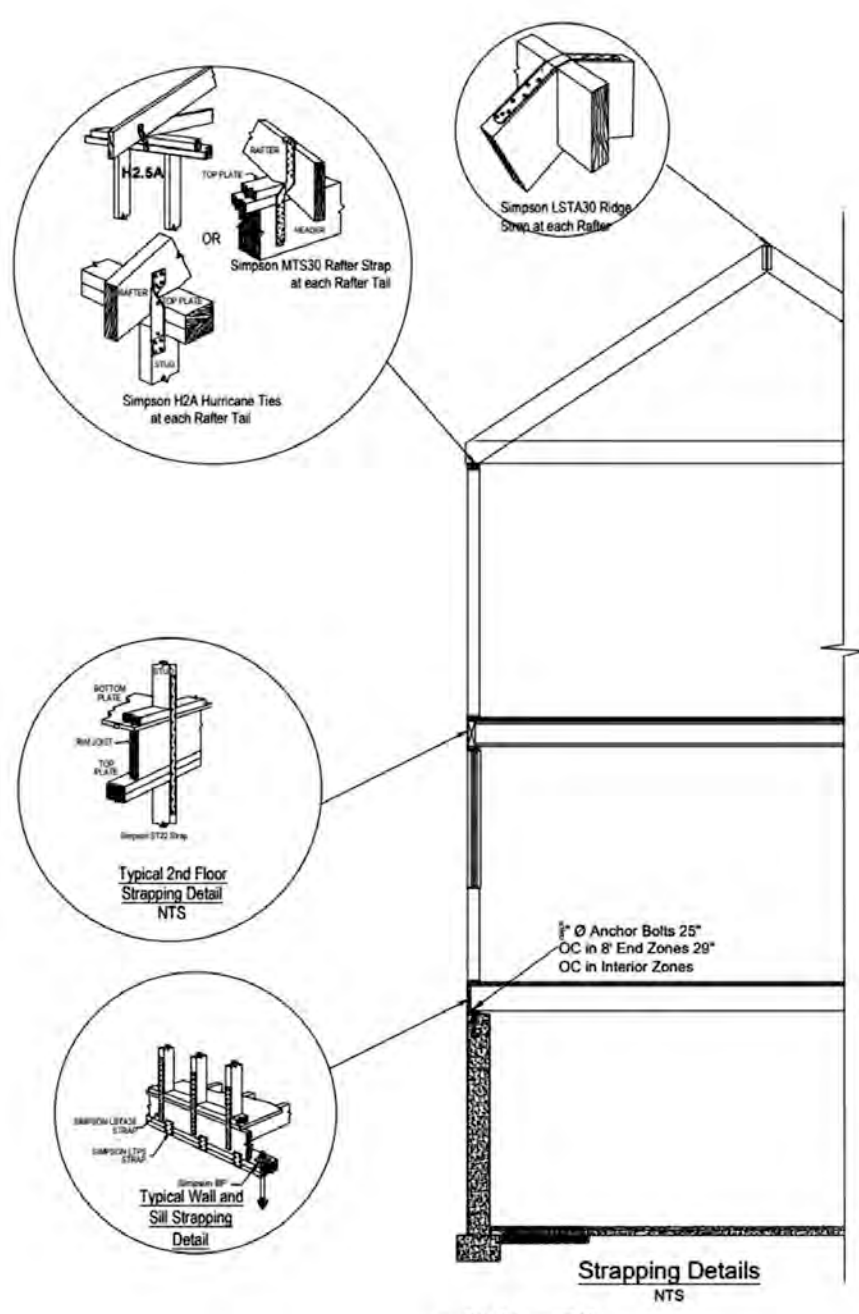
Nailing Zones for Roof Sheathing in 130 MPH Peak Gust Wind Zone

	Zone 1	Zone 2	Zone 3
Field	6" OC	12" OC	4" OC
Panel Edges	6" OC	6" OC	4" OC

Nailing Requirements for 140 MPH, 3 Sec. Peak Gust,
 3/4" Thick Roof Sheathing with 8d Common Nails or 10d Box Nail

Roof Sheathing Nailing Details

Scale: 1/8" = 1'-0"



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Revisions

Sheet Title
 Structural Details III

Sheet No.