



GRANITE RIDGE

prepared for
Owner

by QUANTUM PASSIVHAUS

PROJECT NUMBER
SHEET NAME
COVER SHEET

SHEET NUMBER
A-000

GFA		
NAME	Level	AREA
Main Floor	Main Floor	1666 SF
Front Porch	Main Floor	530 SF
Side Deck	Main Floor	95 SF
		2291 SF
TOTAL		2291 SF

NFA		
ROOM	LEVEL	AREA
Main Floor		
BED II	Main Floor	93 SF
BED III	Main Floor	92 SF
DINING	Main Floor	121 SF
GUEST/ FLEX	Main Floor	117 SF
KITCHEN	Main Floor	177 SF
LIVING	Main Floor	223 SF
PRIMARY	Main Floor	123 SF
		946 SF
TOTAL		946 SF

ROOM SCHEDULE		
Name	Level	Area
BED III	Main Floor	92 SF
STORAGE	Main Floor	18 SF
PRIMARY	Main Floor	123 SF
CL	Main Floor	10 SF
CL	Main Floor	10 SF
ENSUITE	Main Floor	43 SF
BATH	Main Floor	42 SF
UTILITY	Main Floor	86 SF
CL	Main Floor	12 SF
CL	Main Floor	12 SF
CL	Main Floor	13 SF
HALL	Main Floor	85 SF
BED II	Main Floor	93 SF
GUEST/ FLEX	Main Floor	117 SF
KITCHEN	Main Floor	176 SF
DINING	Main Floor	121 SF
LIVING	Main Floor	223 SF
ENTRY	Main Floor	66 SF

FLOOR MATERIAL - BY TYPE		
MATERIAL	Area	Level
001, S1 - Exterior - 6" Concrete w/ 16" Rigid Insulation <varies>	1709 SF	Main Floor
Floor Finish - Bathroom Floor - Tile - Option 1	89 SF	Main Floor
Floor Finish - Laundry Floor - Tile - Option 1	86 SF	Main Floor
Floor Finish - Main Area Floor - Planks - Option 1	1221 SF	Main Floor
Generic - 12" Default Floor	<varies>	Main Floor

ROOF MATERIAL - BY TYPE		
MATERIAL	AREA	
003, R3 - Stick Framed Roof - 2x6 Membrane - Ice & Water Shield, On-site	2088 SF	
Roofing - Asphalt Shingle	2088 SF	
Wood - Dimensional Lumber (2x4), On-site	2088 SF	
Wood - Plywood, Wall Sheathing (5/8"), On-site	2088 SF	
Wood - T&G (2x6)	2088 SF	
003, R3 - Stick Framed Roof - 2x10 - Non Insulated Membrane - Ice & Water Shield, On-site	113 SF	
Roofing - Asphalt Shingle	113 SF	
Wood - Dimensional Lumber (2x4), On-site	113 SF	
Wood - Plywood, Wall Sheathing (5/8"), On-site	113 SF	

FASCIA MATERIAL		
MATERIAL	LENGTH	
Fascia - Black 10"		
Fascia - Black	217' - 1 25/32"	

CEILING MATERIAL			
MATERIAL	AREA	Level	
Main Floor			
Acoustic Ceiling Tile 24 x 48	1346 SF	Main Floor	
Default	1346 SF	Main Floor	

TAKEOFF - WALLS - NORTH					
WALL TYPE	LENGTH	HEIGHT	AREA	LEVEL	MARK
005, W3a - Exterior - QP 16" WP c/w service cavity	34' - 1 9/16"	11' - 11 7/8"	397 SF	Main Floor	Passive
Passive	34' - 1 9/16"		397 SF		
Grand total	34' - 1 9/16"		397 SF		

TAKEOFF - WALLS - EAST					
WALL TYPE	LENGTH	HEIGHT	AREA	LEVEL	MARK
005, W3a - Exterior - QP 16" WP c/w service cavity	45' - 9 9/16"	11' - 11 7/8"	629 SF	Main Floor	Passive
Passive	45' - 9 9/16"		629 SF		
Grand total	45' - 9 9/16"		629 SF		

TAKEOFF - WALLS - SOUTH					
WALL TYPE	LENGTH	HEIGHT	AREA	LEVEL	MARK
005, W3a - Exterior - QP 16" WP c/w service cavity	34' - 1 9/16"	11' - 11 7/8"	368 SF	Main Floor	Passive
Passive	34' - 1 9/16"		368 SF		
Grand total	34' - 1 9/16"		368 SF		

TAKEOFF - WALLS - WEST					
WALL TYPE	LENGTH	HEIGHT	AREA	LEVEL	MARK
005, W3a - Exterior - QP 16" WP c/w service cavity	45' - 9 9/16"	11' - 11 7/8"	596 SF	Main Floor	Passive
Passive	45' - 9 9/16"		596 SF		
Grand total	45' - 9 9/16"		596 SF		

WALL MATERIAL - Service Cavity			
MATERIAL	PROJECTED AREA	Length	Comments
005, W3a - Exterior - QP 16" WP c/w service cavity			
Wood Framing - Dimensional Lumber (2x4), On-site	765 SF	34' - 1 9/16"	Main Floor
Wood Framing - Dimensional Lumber (2x4), On-site	1225 SF	45' - 9 9/16"	Main Floor
Main Floor	1990 SF		

WALL SCHEDULE		
TYPE	LENGTH	AREA
001, W1a - Interior - 2x4 Partition	191' - 7 5/8"	2132 SF
001, W1b - Interior - 2x6 Partition	8' - 10 1/32"	101 SF
005, W3a - Exterior - QP 16" WP c/w service cavity	159' - 10 1/4"	1990 SF

WALL MATERIAL - BY TYPE	
MATERIAL	PROJECTED AREA
001, W1a - Interior - 2x4 Partition Interior Finish - Gypsum Wall Board, (1/2")	4258 SF
Wood Framing - Dimensional Lumber (2x4), On-site	2131 SF
001, W1b - Interior - 2x6 Partition Interior Finish - Gypsum Wall Board, (1/2")	203 SF
Wood Framing - Dimensional Lumber (2x6), On-site	101 SF
005, W3a - Exterior - QP 16" WP c/w service cavity Exterior Finish - Main House Siding Walnut	1960 SF
Insulation - 16" Ecobatt	1979 SF
Interior Finish - Gypsum Wall Board, (1/2")	1990 SF
Membrane - Intello Smart Vapour Retarder	1990 SF
Membrane - Mento Air Infiltration Barrier	1990 SF
Wood - OSB Wall Sheathing (7/16"), Pre-fab.	1985 SF
Wood Framing - Dimensional Lumber (2x4), On-site	1990 SF
Wood Framing - Dimensional Lumber (2x4), Pre-fab.	3951 SF
Wood Strapping - Dimensional Lumber (1x4 Double Layer), Pre-fab.	1962 SF

TAKEOFF - PARTITION WALLS			
Type	Length	Total Area	Comments
Main Floor			
001, W1a - Interior - 2x4 Partition	191' - 7 5/8"	4264 SF	Main Floor
001, W1b - Interior - 2x6 Partition	8' - 10 1/32"	203 SF	Main Floor
Main Floor	200' - 5 21/32"	4467 SF	
Grand total	200' - 5 21/32"	4467 SF	

DRYWALL TAKEOFF - WALLS	
MATERIAL	AREA
001, W1a - Interior - 2x4 Partition Interior Finish - Gypsum Wall Board, (1/2")	4258 SF
001, W1b - Interior - 2x6 Partition Interior Finish - Gypsum Wall Board, (1/2")	203 SF
005, W3a - Exterior - QP 16" WP c/w service cavity Interior Finish - Gypsum Wall Board, (1/2")	1990 SF
Grand total	6452 SF

WALL MATERIAL - TOTALS	
MATERIAL	SURFACE AREA
Exterior Finish - Main House Siding Walnut	1960 SF
Insulation - 16" Ecobatt	1979 SF
Interior Finish - Gypsum Wall Board, (1/2")	6452 SF
Membrane - Intello Smart Vapour Retarder	1990 SF
Membrane - Mento Air Infiltration Barrier	1990 SF
Wood - OSB Wall Sheathing (7/16"), Pre-fab.	1985 SF
Wood Framing - Dimensional Lumber (2x4), On-site	4121 SF
Wood Framing - Dimensional Lumber (2x4), Pre-fab.	3951 SF
Wood Framing - Dimensional Lumber (2x6), On-site	101 SF
Wood Strapping - Dimensional Lumber (1x4 Double Layer), Pre-fab.	1962 SF

ISSUE: DATE: TO:

GRANITE RIDGE



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PROJECT NAME	
GRANITE RIDGE	
DRAWN BY	EA
CHECKED BY	Checker
BCIN NO.	
PROJECT NO.	
SHEET TITLE	
MATERIAL TAKE-OFF	
SHEET NO.	

A-006

GRANITE RIDGE

25/01/20

SCHEDULE - ENTRY DOORS												
TAG	ROOM	OPERATION	HARDWARE	DOOR SLAB SIZE	WIDTH	HEIGHT	R.O. WIDTH	R.O. HEIGHT	R.O. HEAD HEIGHT	SILL LENGTH	CASING LENGTH	AREA
Passive												
KEYED ENTRY												
D101	DINING	KEYED ENTRY		36" x 80"	36"	84"	38"	85"	7' - 0 3/4"	3' - 0"	17' - 0"	21 SF
KEYED ENTRY: 1										3' - 0"	17' - 0"	21 SF
SingleSwingRight												
D102	ENTRY	SingleSwingRight		36" x 84"	36"	84"	36"	84"	7' - 0 3/4"	3' - 0"	17' - 0"	21 SF
SingleSwingRight: 1										3' - 0"	17' - 0"	21 SF
Passive: 2										6' - 0"	34' - 0"	42 SF
GRAND TOTAL: 2										6' - 0"	34' - 0"	42 SF

WINDOW SCHEDULE														
TAG	ROOM	OPERATION	SIZE	FRAME WIDTH	FRAME HEIGHT	SILL HEIGHT	HEAD HEIGHT	R.O. WIDTH	R.O. HEIGHT	R.O. HEAD HEIGHT	SILL LENGTH	PERIMETER LENGTH	AREA	
Passive														
TILT + TURN														
W103	LIVING	TILT + TURN	32" x 42"	32"	42"	2' - 6"	6' - 0"	33 1/2"	44 1/4"	6' - 0 3/4"	2' - 8"	12' - 4"	9.33 ft²	
W104	GUEST/ FLEX	TILT + TURN	32" x 42"	32"	42"	2' - 6"	6' - 0"	33 1/2"	44 1/4"	6' - 0 3/4"	2' - 8"	12' - 4"	9.33 ft²	
W105	BED II	TILT + TURN	32" x 42"	32"	42"	2' - 6"	6' - 0"	33 1/2"	44 1/4"	6' - 0 3/4"	2' - 8"	12' - 4"	9.33 ft²	
W106	BED III	TILT + TURN	32" x 42"	32"	42"	2' - 6"	6' - 0"	33 1/2"	44 1/4"	6' - 0 3/4"	2' - 8"	12' - 4"	9.33 ft²	
W107	PRIMARY	TILT + TURN	32" x 42"	32"	42"	2' - 6"	6' - 0"	33 1/2"	44 1/4"	6' - 0 3/4"	2' - 8"	12' - 4"	9.33 ft²	
W108	KITCHEN	TILT + TURN	36" x 36"	36"	36"	4' - 0"	7' - 0"	37 1/2"	38 1/4"	7' - 0 3/4"	3' - 0"	12' - 0"	9 ft²	
TILT + TURN: 6											16' - 4"	73' - 8"	55.67 ft²	
FIXED														
W101	DINING	FIXED	24" x 84"	24"	84"	0' - 0"	7' - 0"	25 1/2"	86 1/4"	7' - 0 3/4"	2' - 0"	18' - 0"	14 ft²	
W102	LIVING	FIXED	94" x 66"	94"	66"	1' - 6"	7' - 0"	95 1/2"	68 1/4"	7' - 0 3/4"	7' - 10"	26' - 8"	43.08 ft²	
W109	KITCHEN	FIXED	74" x 48"	74"	48"	3' - 0"	7' - 0"	75 1/2"	50 1/4"	7' - 0 3/4"	6' - 2"	20' - 4"	24.67 ft²	
FIXED: 3											16' - 0"	65' - 0"	81.75 ft²	
Passive: 9											32' - 4"	138' - 8"	137.42 ft²	
GRAND TOTAL: 9											32' - 4"	138' - 8"	137.42 ft²	

TAKEOFF - DOORS - NORTH						
Mark	Type	Width	Height	Area	Perimeter	Passive

TAKEOFF - WINDOWS - NORTH						
Mark	Type	Width	Height	Area	Perimeter	Passive
Passive						
W107	32" x 42"	2' - 8"	3' - 6"	9 SF	12' - 4"	Passive
1				9 SF	12' - 4"	
1				9 SF	12' - 4"	

WINDOW TYPE COUNT			
SIZE	COUNT	FRAME WIDTH	FRAME HEIGHT
Passive			
TILT + TURN			
32" x 42"	5	32"	42"
36" x 36"	1	36"	36"
TILT + TURN: 6			

TAKEOFF - DOORS - EAST						
Mark	Type	Width	Height	Area	Perimeter	Passive
Passive						
D102	36" x 84"	3' - 0"	7' - 0"	21 SF	20' - 0"	Passive
1		3' - 0"		21 SF	20' - 0"	
1		3' - 0"		21 SF	20' - 0"	

TAKEOFF - WINDOWS - EAST						
Mark	Type	Width	Height	Area	Perimeter	Passive
Passive						
W108	36" x 36"	3' - 0"	3' - 0"	9 SF	12' - 0"	Passive
1				9 SF	12' - 0"	
1				9 SF	12' - 0"	

TAKEOFF - DOORS - SOUTH						
Mark	Type	Width	Height	Area	Perimeter	Passive
Passive						
D101	36" x 80"	3' - 0"	7' - 0"	21 SF	20' - 0"	Passive
1		3' - 0"		21 SF	20' - 0"	
1		3' - 0"		21 SF	20' - 0"	

TAKEOFF - WINDOWS - SOUTH						
Mark	Type	Width	Height	Area	Perimeter	Passive
Passive						
W109	74" x 48"	6' - 2"	4' - 0"	25 SF	20' - 4"	Passive
W102	94" x 66"	7' - 10"	5' - 6"	43 SF	26' - 8"	Passive
2				68 SF	47' - 0"	
2				68 SF	47' - 0"	

TAKEOFF - DOORS - WEST						
Mark	Type	Width	Height	Area	Perimeter	Passive

TAKEOFF - WINDOWS - WEST						
Mark	Type	Width	Height	Area	Perimeter	Passive
Passive						
W103	32" x 42"	2' - 8"	3' - 6"	9 SF	12' - 4"	Passive
W104	32" x 42"	2' - 8"	3' - 6"	9 SF	12' - 4"	Passive
W105	32" x 42"	2' - 8"	3' - 6"	9 SF	12' - 4"	Passive
W106	32" x 42"	2' - 8"	3' - 6"	9 SF	12' - 4"	Passive
4				37 SF	49' - 4"	
4				37 SF	49' - 4"	

TAKEOFF - INTERIOR DOORS						
Mark	Type	Count	Width	Height	Perimeter	Area
ID103	20" X 80"	1	1' - 8"	6' - 8"	16' - 8"	11 SF
<varies>	24" X 80"	2	4' - 0"	6' - 8"	34' - 8"	27 SF
<varies>	24" X 80"	2	4' - 0"	6' - 8"	34' - 8"	27 SF
<varies>	30" x 80"	3	7' - 6"	6' - 8"	55' - 0"	50 SF
ID110	30" x 84"	1	2' - 6"	7' - 0"	19' - 0"	18 SF
ID101	34" x 80"	1	2' - 10"	6' - 8"	19' - 0"	19 SF
<varies>	48" x 80"	2	8' - 0"	6' - 8"	42' - 8"	53 SF
ID102	60" x 80"	1	5' - 0"	6' - 8"	23' - 4"	33 SF
<varies>	60" x 84"	2	10' - 0"	7' - 0"	48' - 0"	70 SF
15		15	45' - 6"		293' - 0"	308 SF

GRANITE RIDGE

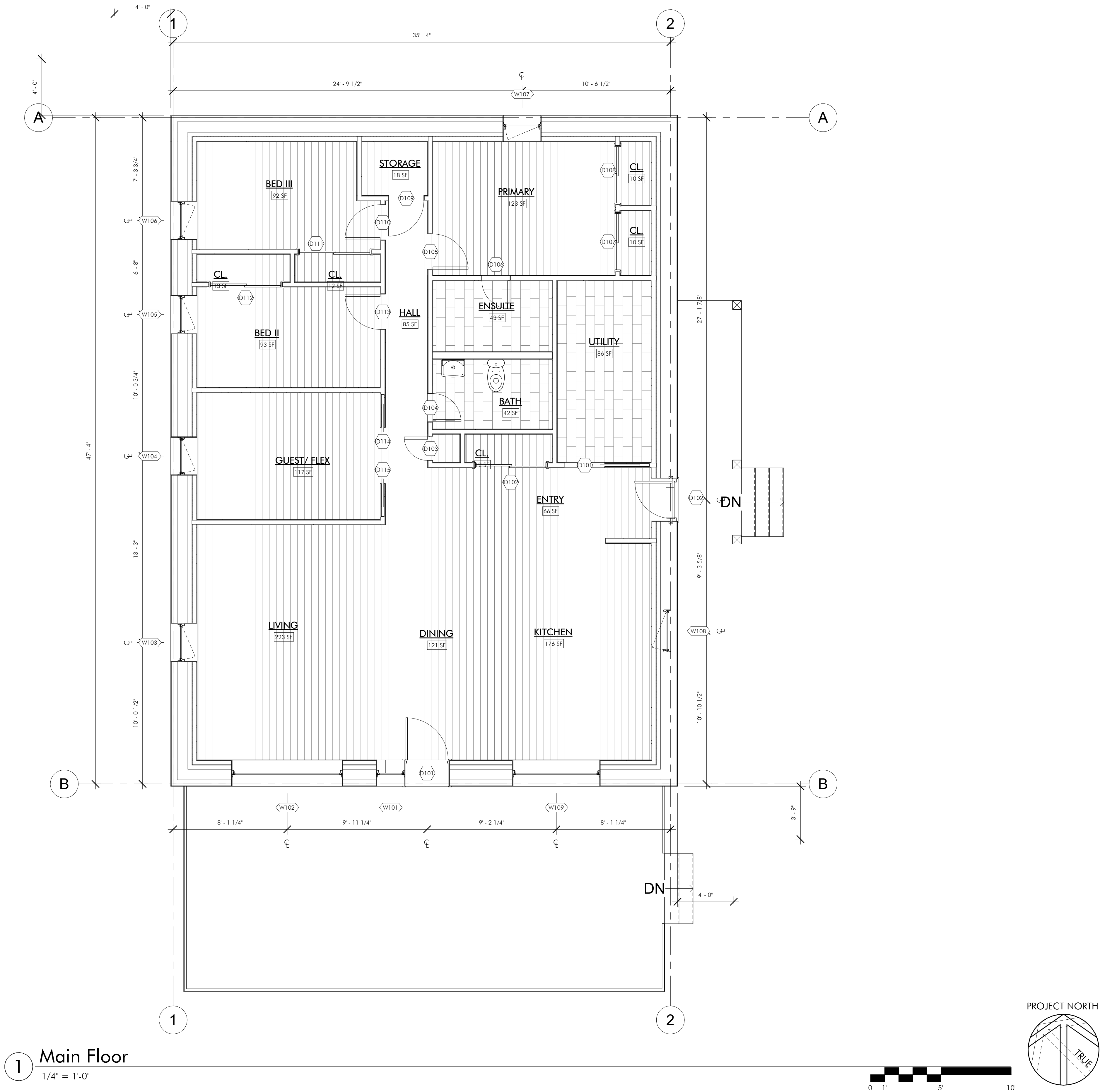


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PROJECT NAME	
GRANITE RIDGE	
DRAWN BY	EA
CHECKED BY	Checker
BCIN NO.	
PROJECT NO.	
SHEET TITLE	
MATERIAL TAKE-OFF	
SHEET NO.	

A-007



1 Main Floor
1/4" = 1'-0"

ISSUE: DATE: TO:

GRANITE RIDGE

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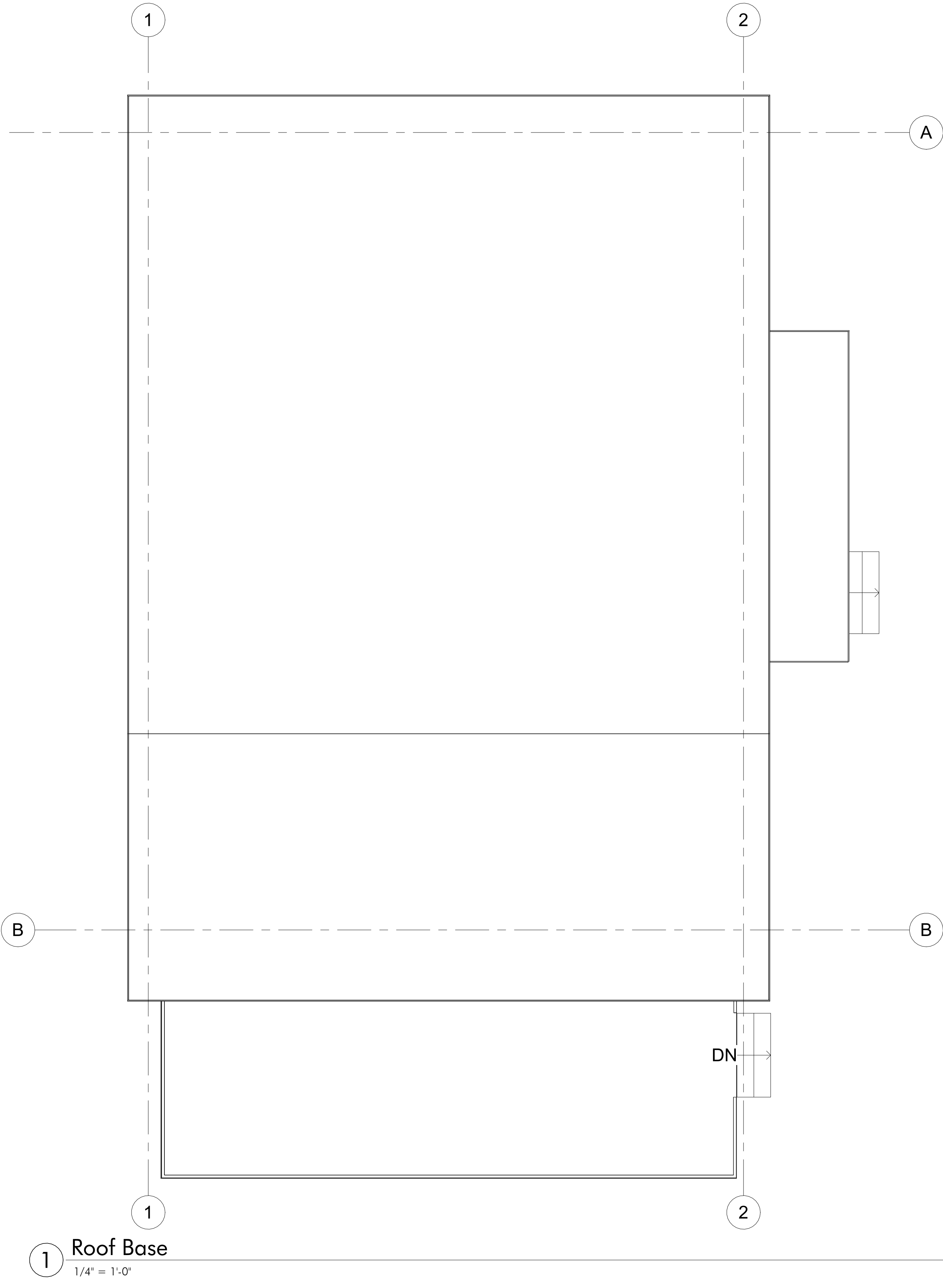
SHEET TITLE

FLOOR PLAN - MAIN FLOOR

SHEET NO.

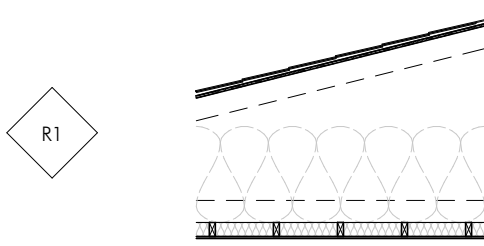
A-101

25/01/20

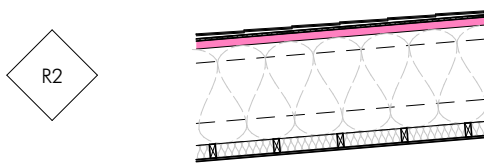


ROOF ASSEMBLIES

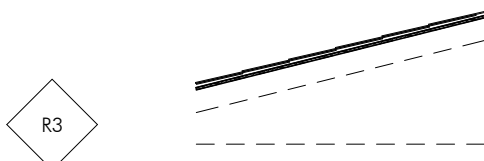
STRUCTURAL ROOFS



TRUSSED ROOF SYSTEM - R80
INTERIOR
CEILING FINISH (REFER TO FINISH SCHEDULES IF APPLICABLE)
2X4 SERVICE CAVITY @ 16" c/c
3 1/2" ECOBATT INSULATION IN SERVICE CAVITY
INTELLO PLUS AIR BARRIER AND SMART VAPOUR RETARDER
ENGINEERED ROOF TRUSSES
24" R80 BLOWN-IN CELLULOSE INSULATION
1/2" EXTERIOR GRADE PLYWOOD SHEATHING c/w H-CLIPS (OR T&G)
ROOFING MEMBRANE
ICE AND WATER SHIELD TO EXTEND MIN. 3'-0" FROM EAVE
ROOFING MATERIAL (REFER TO FINISH SCHEDULES IF APPLICABLE)
EXTERIOR



TRUSSED ROOF SYSTEM c/w MOORE VENTS - R80
INTERIOR
CEILING FINISH (REFER TO FINISH SCHEDULES IF APPLICABLE)
2X4 SERVICE CAVITY @ 16" c/c
3 1/2" ECOBATT INSULATION IN SERVICE CAVITY
INTELLO PLUS AIR BARRIER AND SMART VAPOUR RETARDER
ENGINEERED ROOF TRUSSES
24" R80 BLOWN-IN CELLULOSE INSULATION
MOORE VENTS
1/2" EXTERIOR GRADE PLYWOOD SHEATHING c/w H-CLIPS (OR T&G)
ROOFING MEMBRANE
ICE AND WATER SHIELD TO EXTEND MIN. 3'-0" FROM EAVE
ROOFING MATERIAL (REFER TO FINISH SCHEDULES IF APPLICABLE)
EXTERIOR



TRUSSED ROOF SYSTEM - NON-INSULATED
EXTERIOR
SOFFIT FINISH (REFER TO FINISH SCHEDULES IF APPLICABLE)
ENGINEERED ROOF TRUSSES
1/2" EXTERIOR GRADE PLYWOOD SHEATHING c/w H-CLIPS (OR T&G)
ROOFING MEMBRANE
ICE AND WATER SHIELD TO EXTEND MIN. 3'-0" FROM EAVE
ROOFING MATERIAL (REFER TO FINISH SCHEDULES IF APPLICABLE)
EXTERIOR

ISSUE: DATE: TO:

GRANITE RIDGE



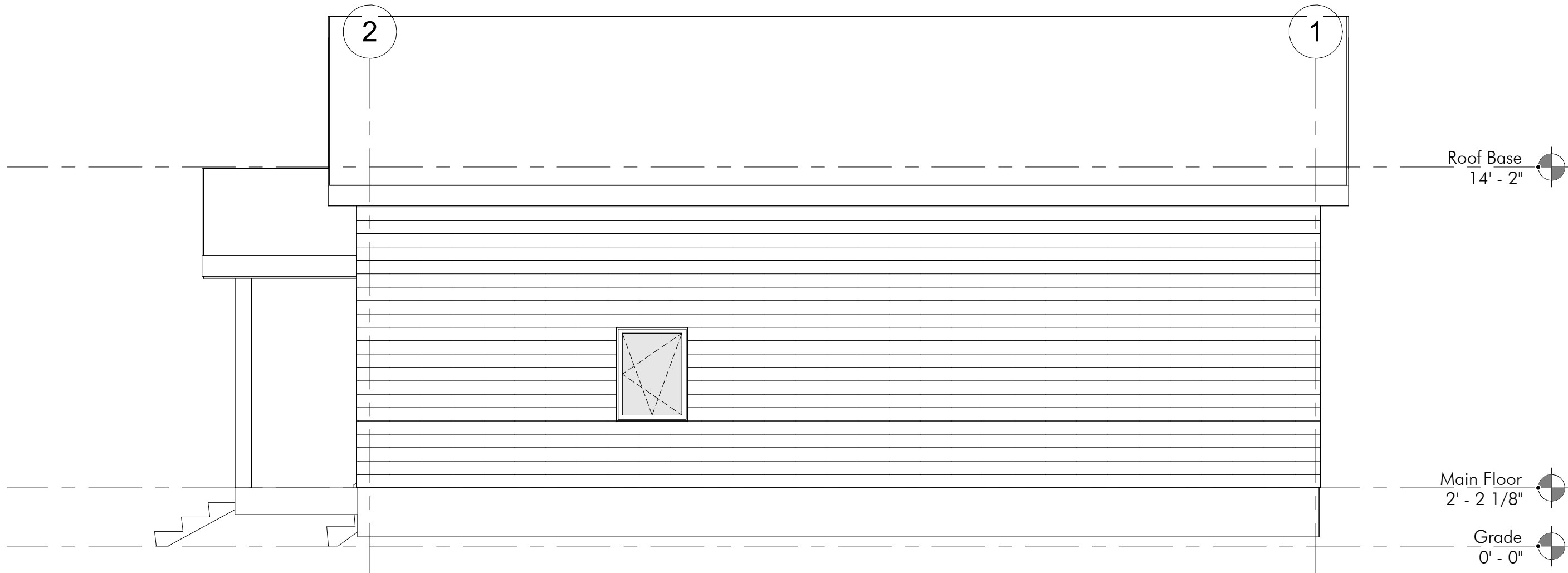
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SHEET TITLE	
ROOF PLAN	
SHEET NO.	

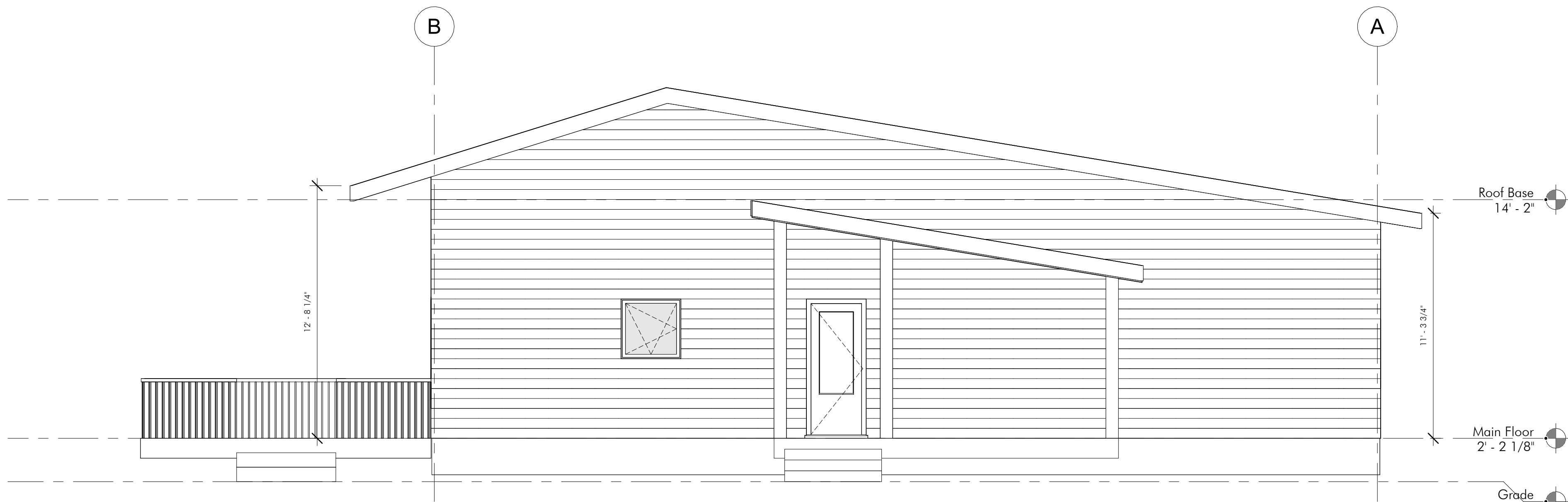
A-102

GRANITE RIDGE

25/01/20



1 North
1/4" = 1'-0"



2 East
1/4" = 1'-0"

ISSUE: DATE: TO:

GRANITE RIDGE

GRANITE RIDGE

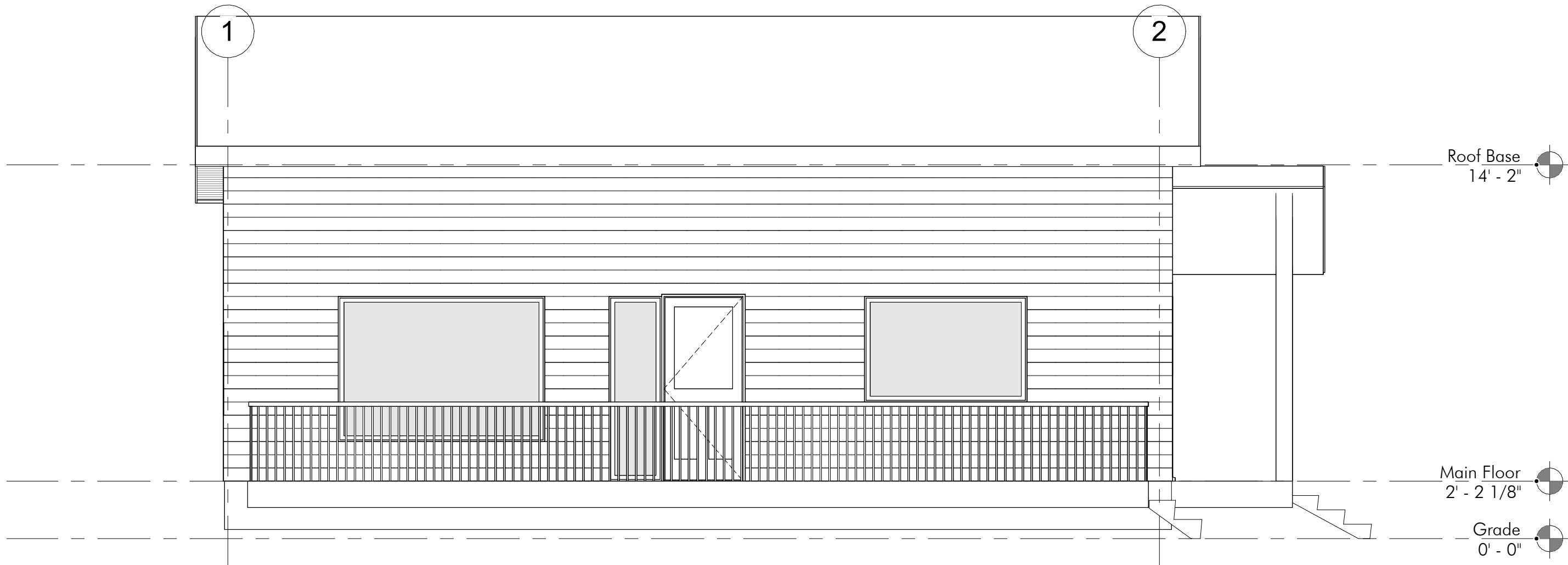


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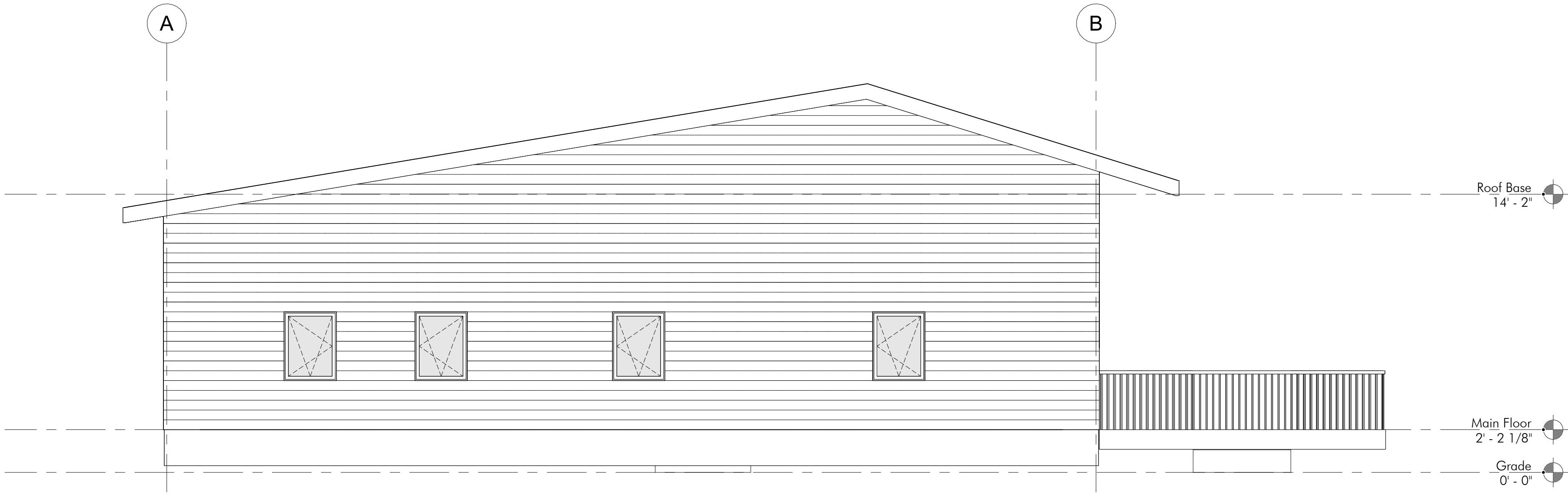
PROJECT NAME	
GRANITE RIDGE	
DRAWN BY	EA
CHECKED BY	Checker
BCIN NO.	
PROJECT NO.	
SHEET TITLE	
EXTERIOR ELEVATIONS	
SHEET NO.	

A-201

25/01/20



2 South
1/4" = 1'-0"



1 West
1/4" = 1'-0"

GRANITE RIDGE



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PROJECT NO.	
SHEET TITLE	
EXTERIOR ELEVATIONS CONT'D	
SHEET NO.	

A-202