

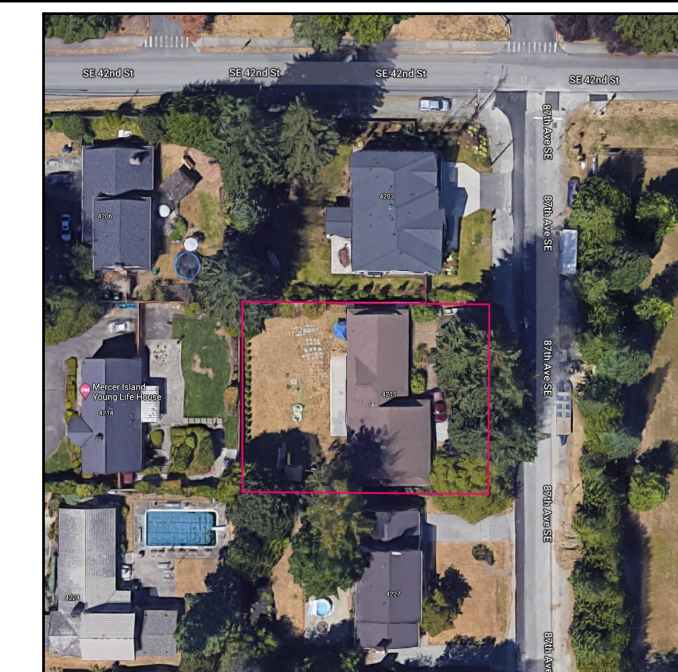
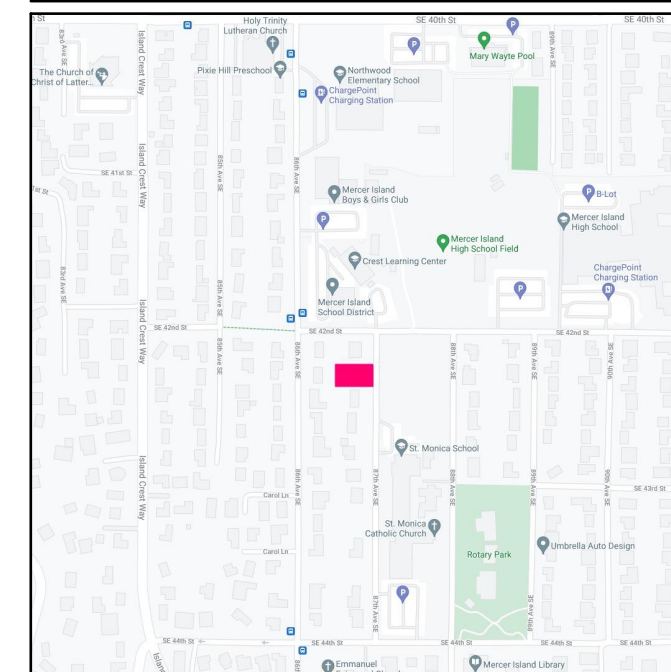
BALDWIN RESIDENCE

PROJECT INFORMATION

PROJECT ADDRESS: 4215 87th Ave SE, Mercer Island, WA 98040
 OWNER: BALDWIN TYLER+ELLISSA
 JURISDICTION: MERCER ISLAND
 PARCEL #: 362250-0115
 LEGAL DESCRIPTION: ISLAND CREST ADD Plat Block: 1 Plat Lot: 23
 ZONING: R-9.6



VICINITY MAP



SHEET INDEX

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CLIENT APPROVAL

DATE: _____

REVISIONS

DATE: _____

NOTES

REPRESENTATIVE: GH

DRAWN BY: KHS

DESIGNER: YA

PROJECT #: 7070-D

SHEET SIZE: 24 x 36

PROGRESS SET

COVER SHEET

A0.00

PRINT DATE 1/31/2023

PROPERTY INFORMATION

PROJECT ADDRESS: 4215 87th Ave SE, Mercer Island, WA 98040
 OWNER: BALDWIN TYLER+ELLISSA
 JURISDICTION: MERCER ISLAND
 PARCEL #: 362250-0115
 LEGAL DESCRIPTION: ISLAND CREST ADD Plat Block: 1 Plat Lot: 23
 WATER: WATER DISTRICT
 SEWER: PUBLIC
 YEAR BUILT: 1963

SCOPE OF WORK

REMODELLING KITCHEN & DINING IN FIRST FLOOR IN ADDITION TO ADDING NEW ENTRANCE IN THE FRONT. REMODELLING SECOND FLOOR.

ZONING

ZONING DESIGNATION: R-9.6
 FRONT YARD SETBACK: 20'
 SIDE YARD SETBACK: 17% OF LOT WIDTH = 17.85' TOTAL
 REAR YARD SETBACK: 25'
 MAX BUILDING HEIGHT: 30'
 MAX LOT COVERAGE: 40%
 MAX HARDSCAPE: 9%

LOT COVERAGE

MAX LOT COVERAGE: 40%

EXISTING COVERAGE

AREA COVERED BY BUILDING 3,611 sqft (INCLD. ROOF EAVES & GUTTERS):
 DRIVEWAYS: 1,618 sqft
 LOT AREA: 14,280 sqft
 TOTAL COVERAGE: 5,229 sqft = 36.6%

PROPOSED COVERAGE

AREA COVERED BY BUILDING 3,807 sqft (INCLD. ROOF EAVES & GUTTERS):
 DRIVEWAYS: 1,512 sqft
 LOT AREA: 14,280 sqft
 TOTAL COVERAGE: 5,319 sqft = 37%

HARDSCAPE CALCULATION

MAX HARDSCAPE: 9%
 EXISTING HARDSCAPE: 786 sqft = 5.5%
 PROPOSED HARDSCAPE: 793 sqft = 5.6%

GROSS FLOOR AREA (GFA)

MAX GFA: 40%

EXISTING AREA

BASEMENT: 840 sqft
 1ST FLOOR: 2,380 sqft
 2ND FLOOR: 1,415 sqft
 ATTACHED GARAGE: 380 sqft
 TOTAL FLOOR AREA: 5,015 sqft
 LOT AREA: 14,280 sqft
 EXISTING GFA: 35.1%

PROPOSED AREA

BASEMENT: 840 sqft
 1ST FLOOR: 2,576 sqft
 2ND FLOOR: 1,801 sqft
 ATTACHED GARAGE: 380 sqft
 TOTAL FLOOR AREA: 5,597 sqft
 LOT AREA: 14,280 sqft
 PROPOSED GFA: 39.2%

NOTES

NO TREES TO BE REMOVED & TREE PROTECTION FENCE WILL BE USED SO NO SOIL COMPACTION WILL OCCUR.

LOT SLOPE

LOWEST POINT: 342'
 HIGHEST POINT: 346'
 ELEVATION DIFFERENCE: 4'
 HORIZONTAL DIFFERENCE: 105.3'
 CALCULATION: $4/105.3 \times 100 = 3.79$

NOTE: ALL DRAWINGS COMPLY WITH THESE CODES:

- 2018 International Residential Code (IRC)
- 2018 International Fire Code (IFC)
- Washington State Energy Code (WCEC)

ABE CALCULATION

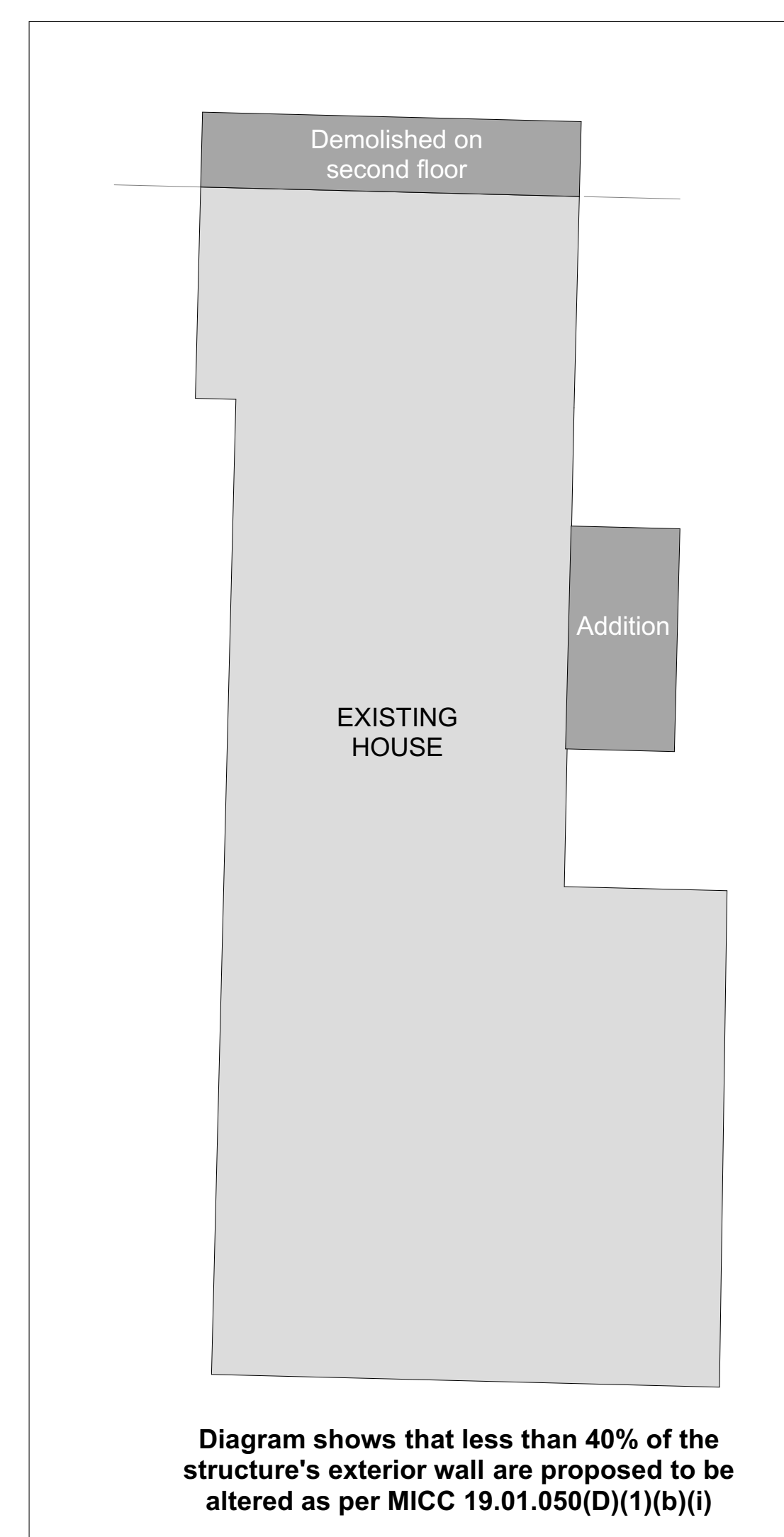
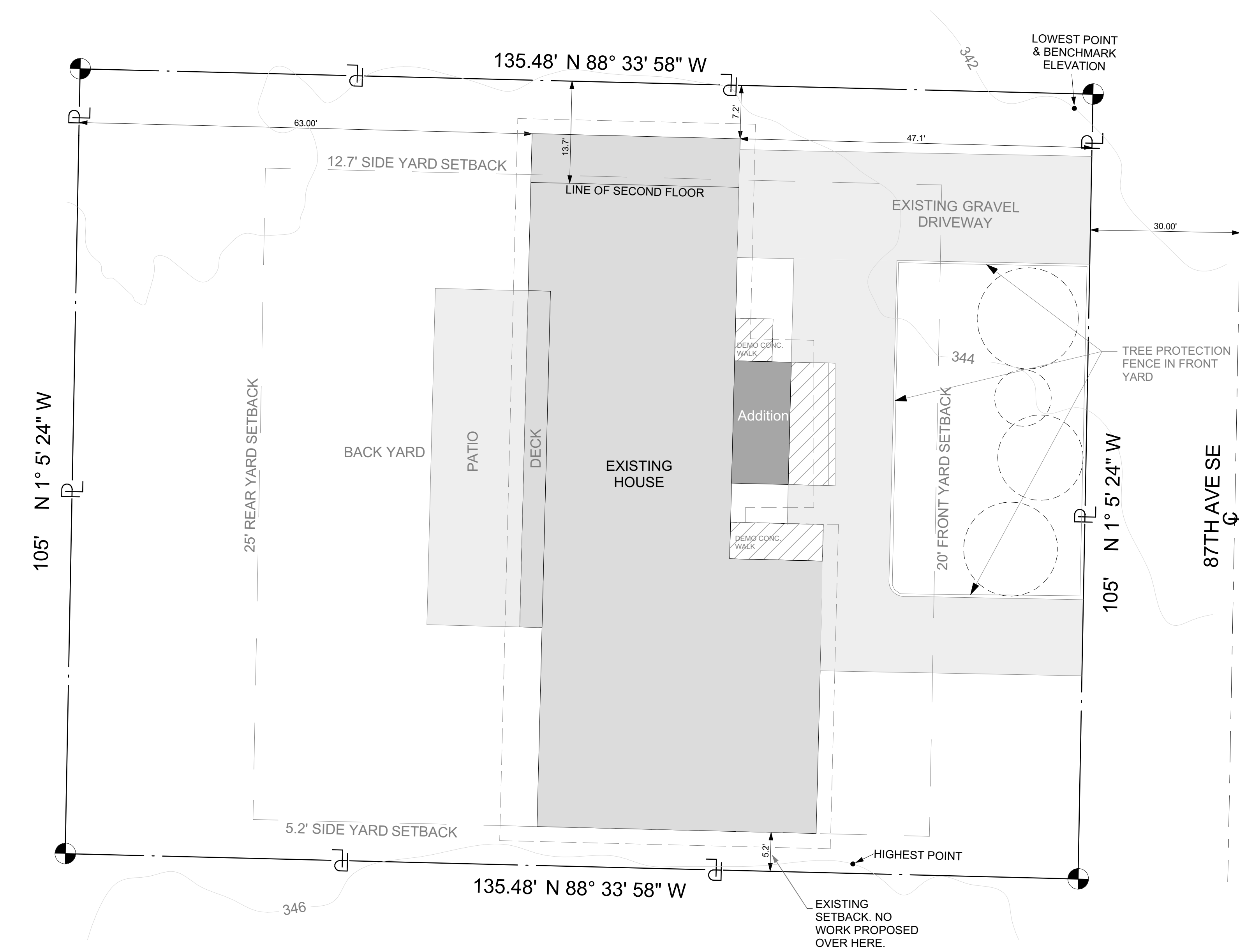
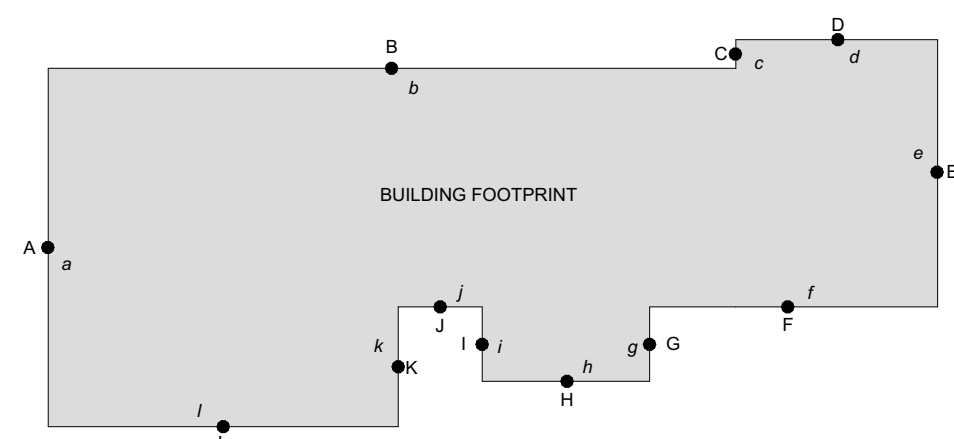


Diagram shows that less than 40% of the structure's exterior wall are proposed to be altered as per MICC 19.01.050(D)(1)(b)(i)

1 SITE PLAN
 A0.01 SCALE: 1" = 10'

MIDPOINT ELEVATION	WALL SEGMENT LENGTH
A= 345.8'	a= 37.3'
B= 345'	b= 71.6'
C= 344'	c= 3'
D= 344'	d= 21'
E= 344'	e= 27.9'
F= 344'	f= 25.8'
G= 344'	g= 11.2'
H= 344.5'	h= 16.5'
I= 345'	i= 11.2'
J= 344.5'	j= 13.8'
K= 345'	k= 12.6'
L= 345.3'	l= 36.4'

ABE CALCULATION

$$(Axa)+(Bxb)+(Cxc)+(Dxd)+(Exe)+(Fxf)+(Gxg)+(Hxh)+(Ixi)+(Jxj)+(Kxk)+(Lxl)$$

$$a + b + c + d + e + f + g + h + i + j + k + l$$

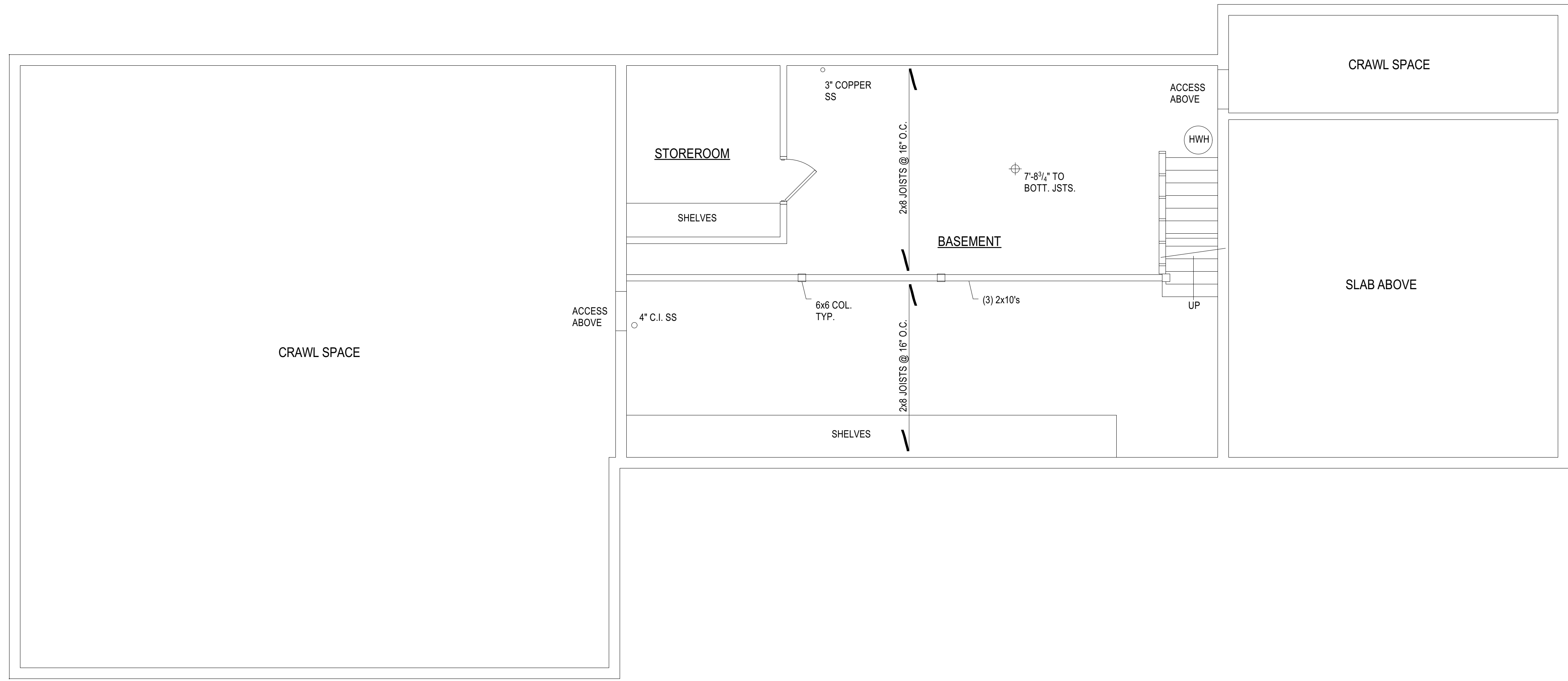
$$(345.8 \times 37.3) + (345 \times 71.6) + (344 \times 3) + (344 \times 21) + (344 \times 27.9) + (344 \times 25.8) + (344 \times 11.2) + (344.5 \times 16.5) + (345 \times 11.2) + (344.5 \times 13.8) + (345 \times 12.6) + (345.3 \times 36.4)$$

$$37.3 + 71.6 + 3 + 21 + 27.9 + 25.8 + 11.2 + 16.5 + 11.2 + 13.8 + 12.6 + 36.4$$

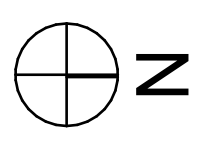
$$(12,898.34) + (24,702) + (1,032) + (7,224) + (9,597.6) + (8,875.2) + (3,852.8) + (5,684.25) + (3,864) + (4,754.1) + (4,347) + (12,568.92) = \frac{99,400.21}{288.3} = 344.8'$$

BUILDING HEIGHT

MAX BUILDING HEIGHT: 30'
 PROPOSED BUILDING HEIGHT: 26'-2"



1
A1.00 EXISTING BASEMENT
SCALE: 1/4" = 1'-0"



LEGEND	
EXISTING:	—————
DEMO:	-----

CLIENT APPROVAL

DATE	DATE

REVISIONS

NOTES

REPRESENTATIVE: GH
DRAWN BY: KHS
DESIGNER: YA
PROJECT #: 7070-D
SHEET SIZE: 24 x 36

PROGRESS SET

BASEMENT EXISTING

CLIENT APPROVAL

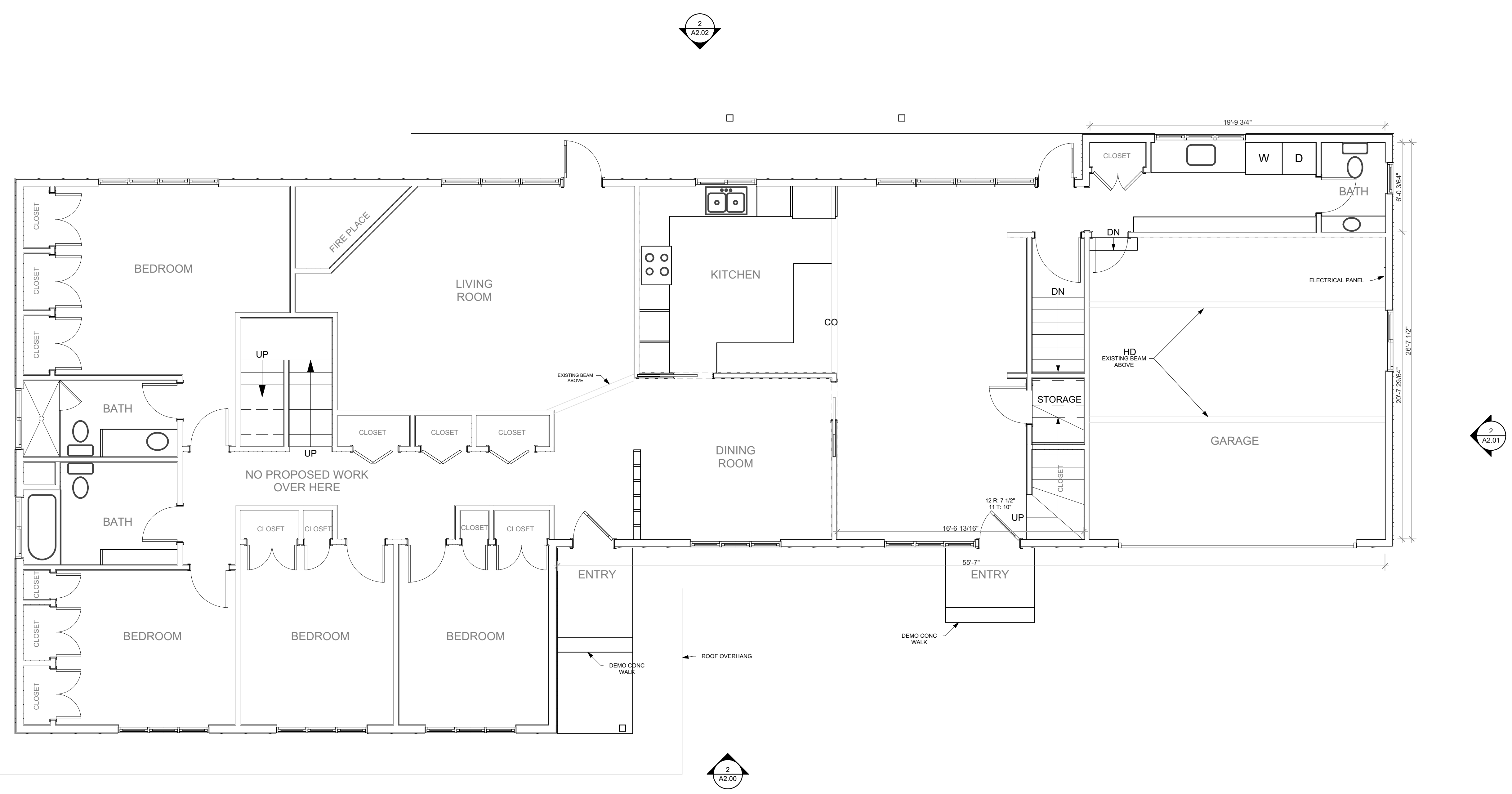
REVISIONS

NOTES

REPRESENTATIVE: GH
 DRAWN BY: KHS
 DESIGNER: YA
 PROJECT #: 7070-D
 SHEET SIZE: 24 x 36

PROGRESS SET

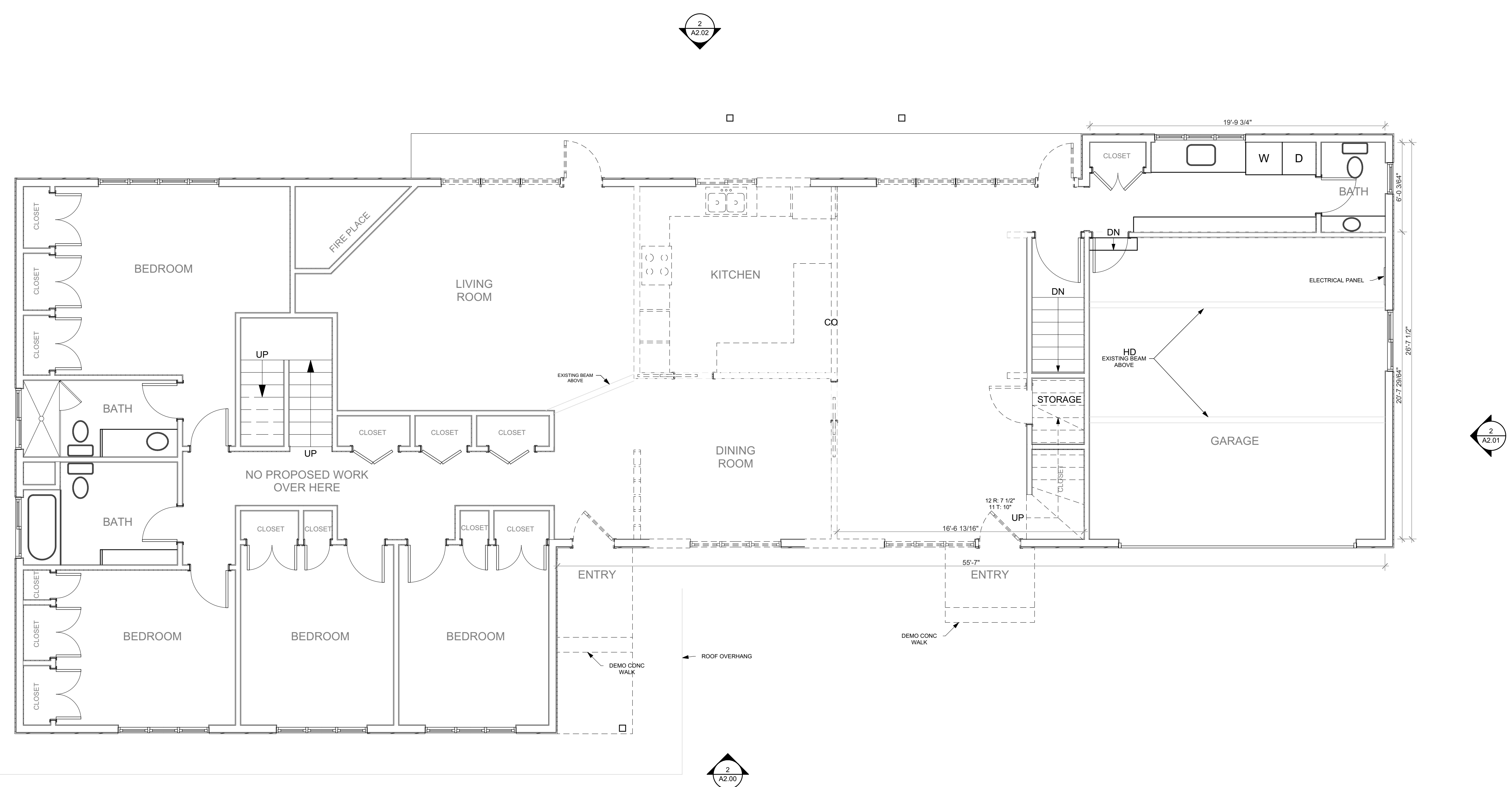
FIRST FLOOR
 EXISTING
A1.01
 PRINT DATE 1/31/2023



1
 A1.01 FIRST FLOOR EXISTING
 SCALE: 1/4" = 1'-0"

LEGEND

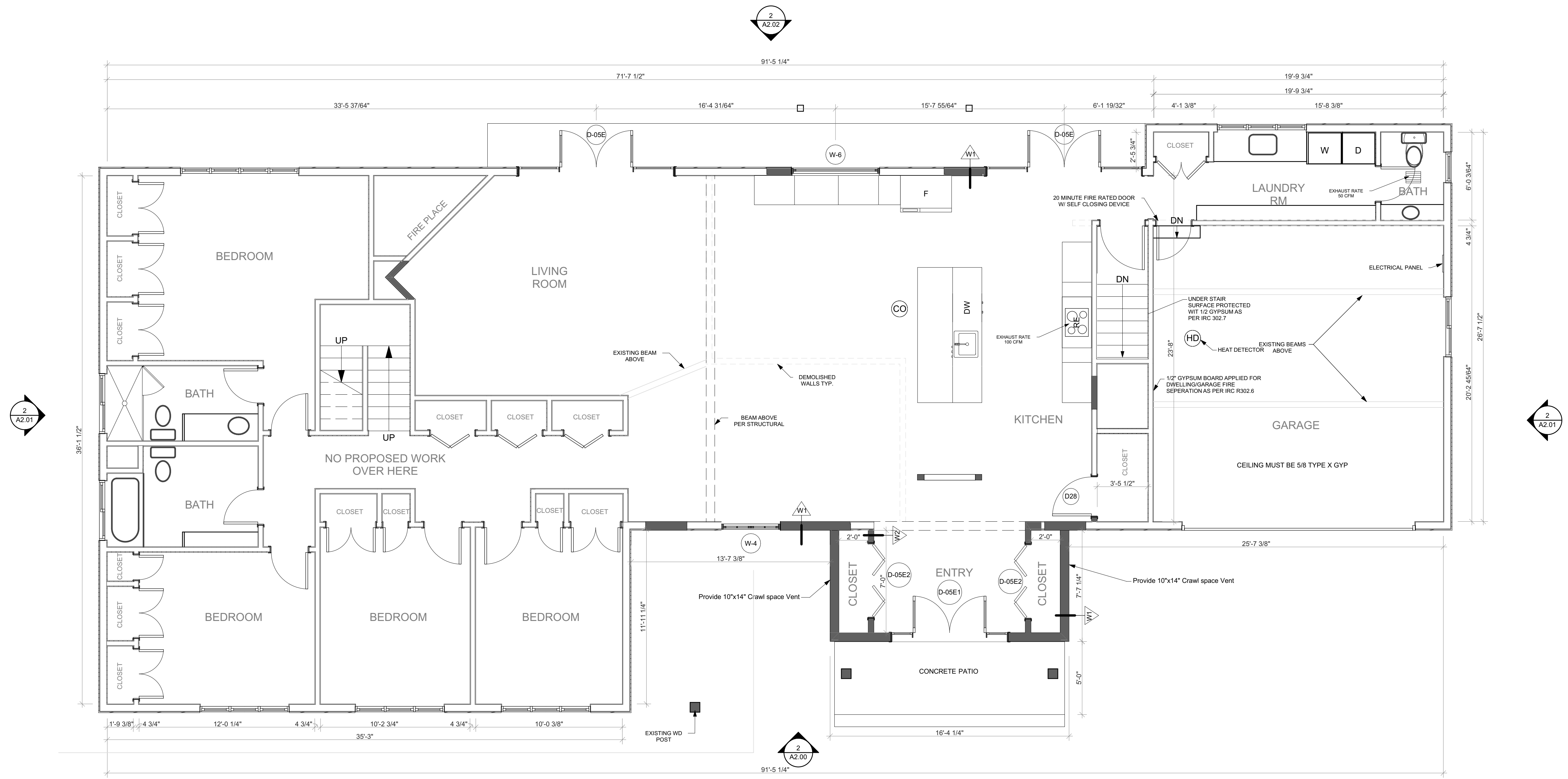
EXISTING:	
DEMO:	



1
A1.02 FIRST FLOOR DEMO
 SCALE: 1/4" = 1'-0"

LEGEND

EXISTING:	
DEMO:	



1
A1.03 FIRST FLOOR PROPOSED
SCALE: 1/4" = 1'-0"

Note: Crawl Space Ventilation Calculation = 1sqft for 150 sqft.
Adding 196 Sqft, therefore providing 2 Vents.

LEGEND	
EXISTING:	
NEW:	

CLIENT APPROVAL

DATE	BY

REVISIONS

NO.	DATE	DESCRIPTION

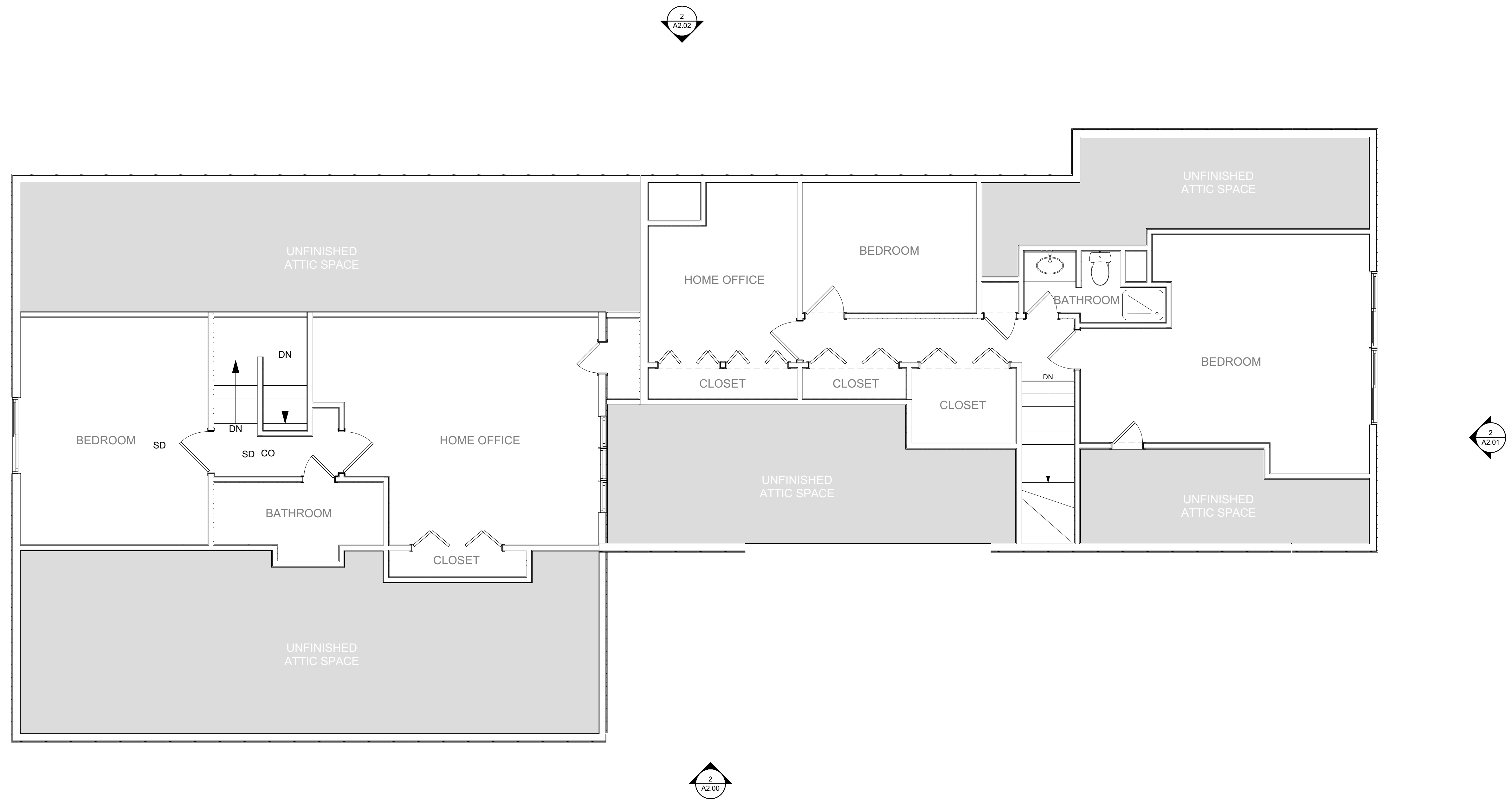
NOTES

REPRESENTATIVE: GH
DRAWN BY: KHS
DESIGNER: YA
PROJECT #: 7070-D
SHEET SIZE: 24 x 36

PROGRESS SET

FIRST FLOOR PROPOSED

A1.03
PRINT DATE 1/31/2023



1
 A1.04 SECOND FLOOR EXISTING
 SCALE: 1/4" = 1'-0"

LEGEND	
EXISTING:	
DEMO:	

CLIENT APPROVAL

DATE	DATE

REVISIONS

NOTES

REPRESENTATIVE: GH
 DRAWN BY: KHS
 DESIGNER: YA
 PROJECT #: 7070-D
 SHEET SIZE: 24 x 36

PROGRESS SET

SECOND FLOOR
 EXISTING

A1.04
 PRINT DATE 1/31/2023

CLIENT APPROVAL

DATE	DATE

REVISIONS

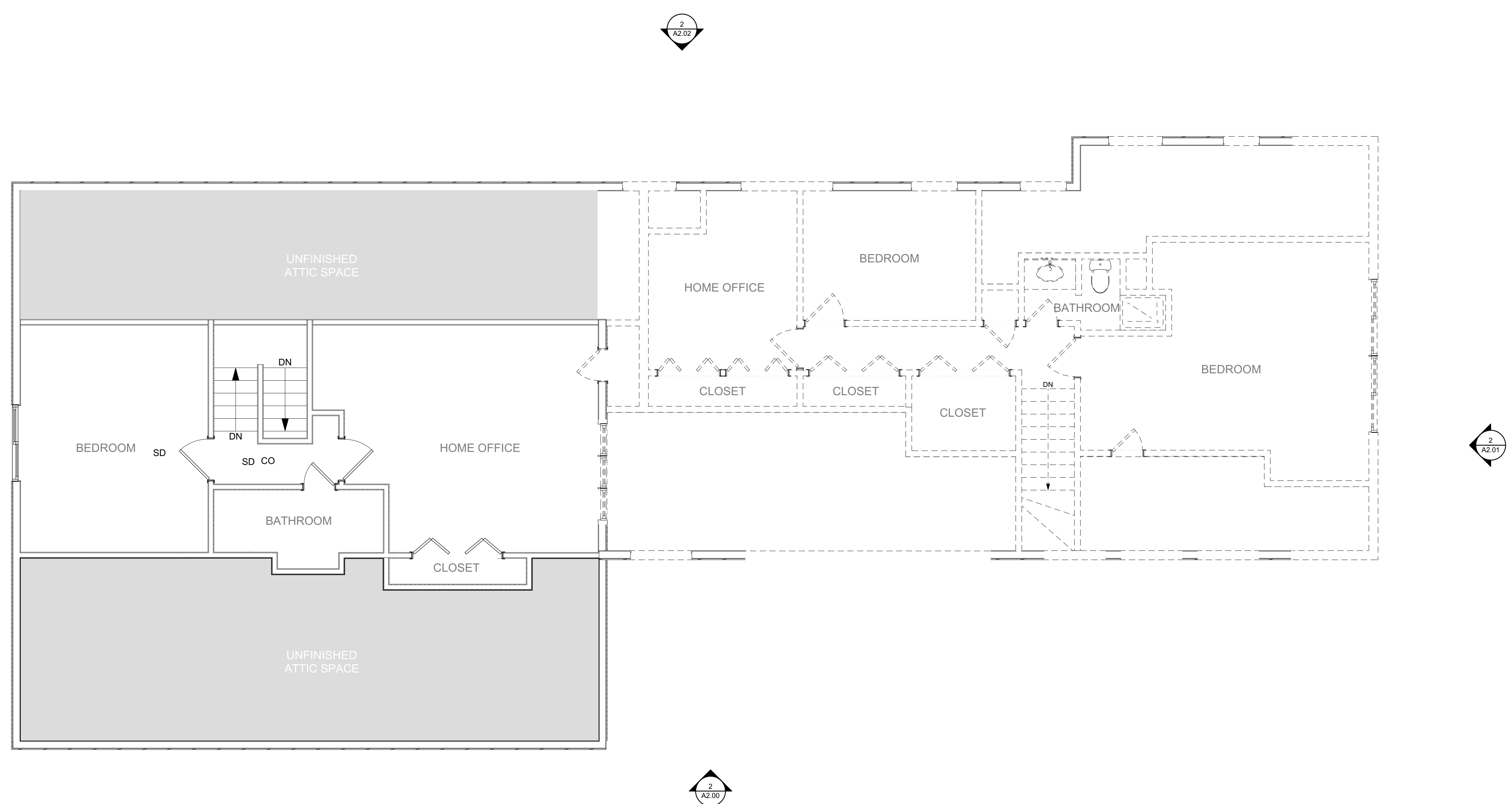
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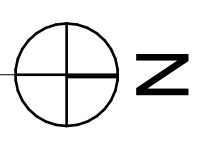
REPRESENTATIVE: GH
 DRAWN BY: KHS
 DESIGNER: YA
 PROJECT #: 7070-D
 SHEET SIZE: 24 x 36

PROGRESS SET



SECOND FLOOR DEMO

A1.05
 PRINT DATE 1/31/2023



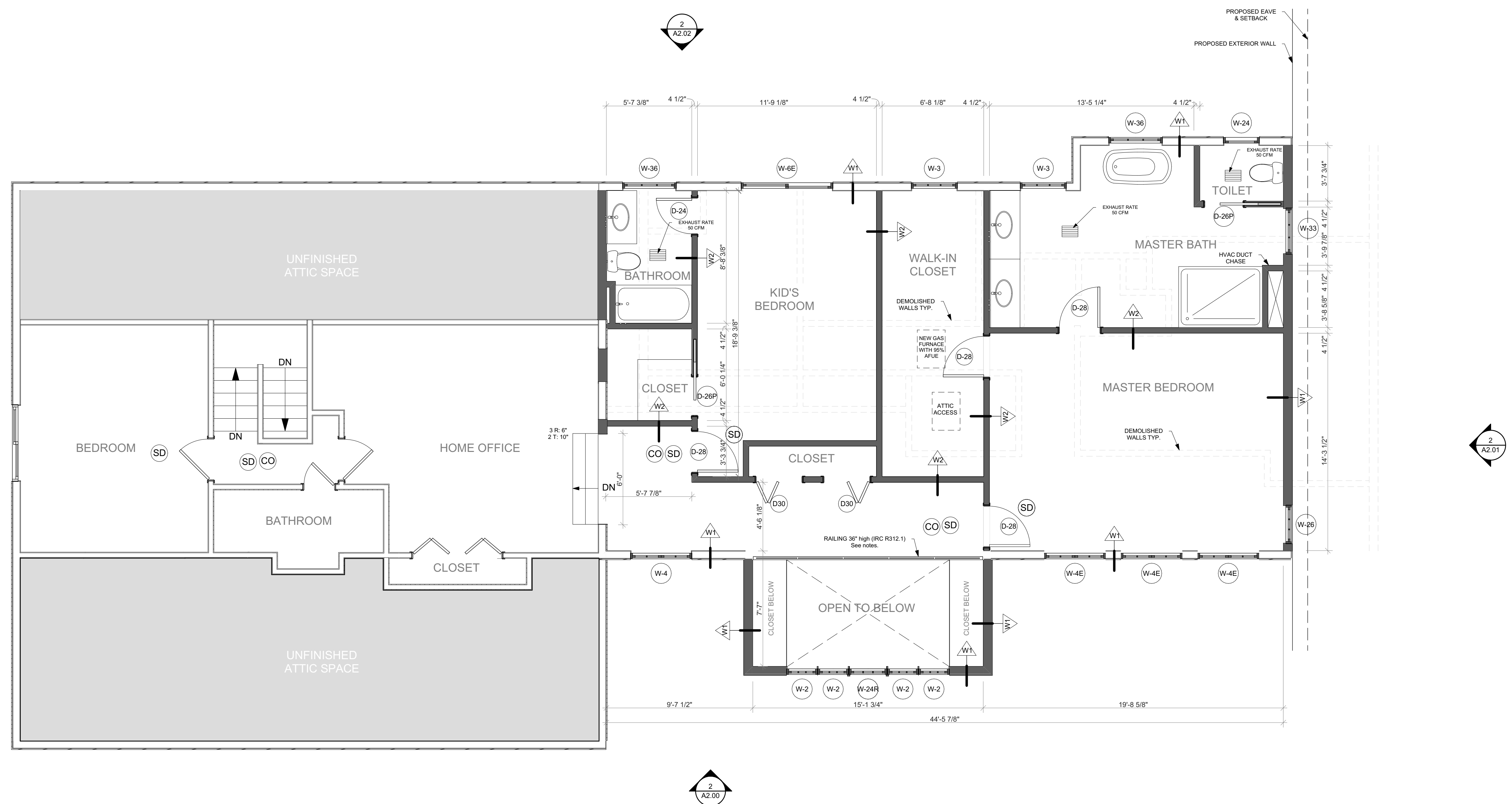
1
 A1.05 SECOND FLOOR DEMO
 SCALE: 1/4" = 1'-0" 

LEGEND

EXISTING:	
DEMO:	

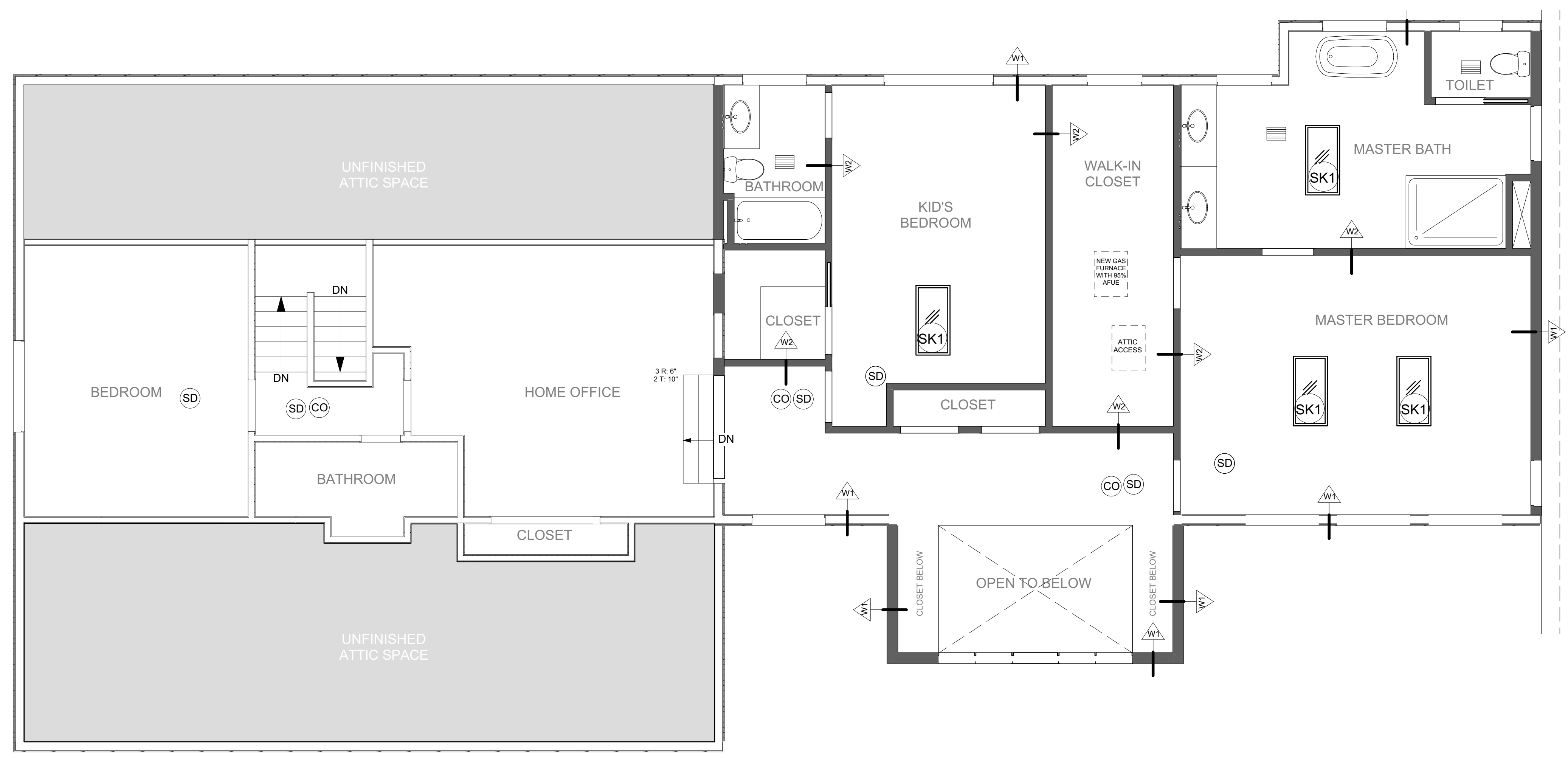
NOTE: AS PER R302.11, FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE.

NOTE: CONTRACTOR SHALL VERIFY TO INSPECTOR ALL GUARDS AND RAILINGS SHALL BE CAPABLE OF RESISTING 200LB LOAD ON TOP RAIL ACTING IN ANY DIRECTION AS REQUIRED BY IRC TABLE R301.5

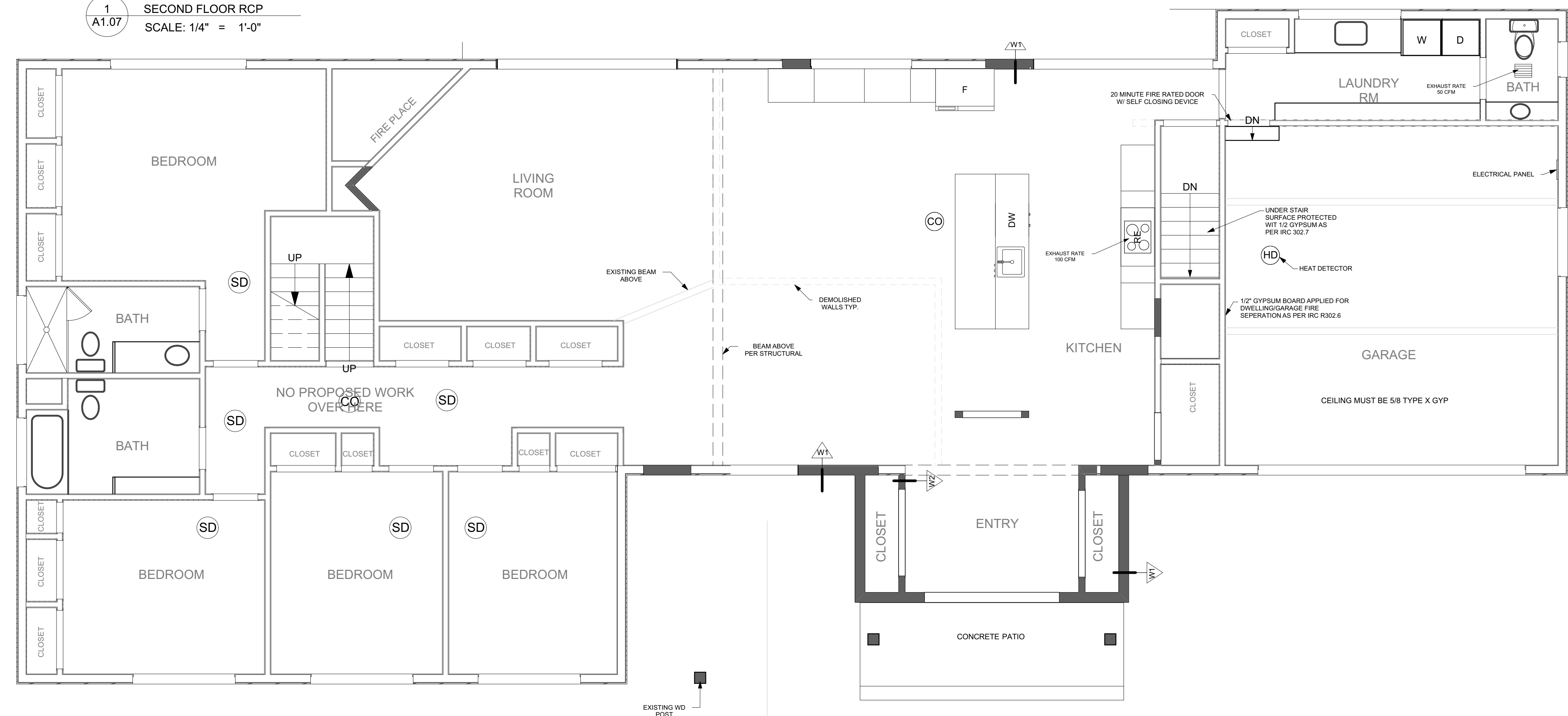


1 SECOND FLOOR PROPOSED
A1.06 SCALE: 1/4" = 1'-0"

LEGEND	
EXISTING:	
NEW:	



1 SECOND FLOOR RCP
A1.07 SCALE: 1/4" = 1'-0"



2 FIRST FLOOR RCP
A1.07 SCALE: 1/4" = 1'-0"

CLIENT APPROVAL

DATE	BY

REVISIONS

NO.	DATE	DESCRIPTION

NOTES

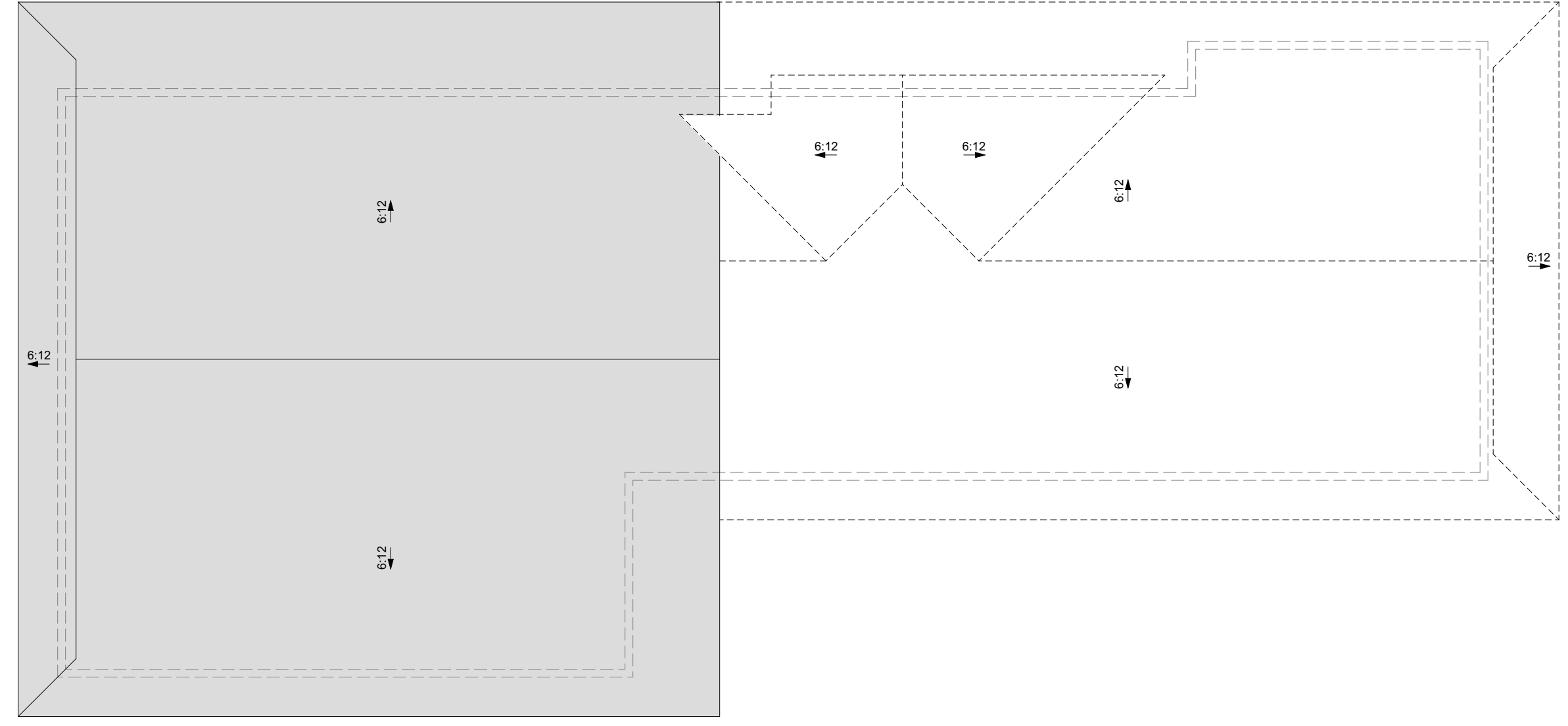
REPRESENTATIVE: GH
DRAWN BY: KHS
DESIGNER: YA
PROJECT #: 7070-D
SHEET SIZE: 24 x 36

PROGRESS SET

REFLECTED CEILING PLANS

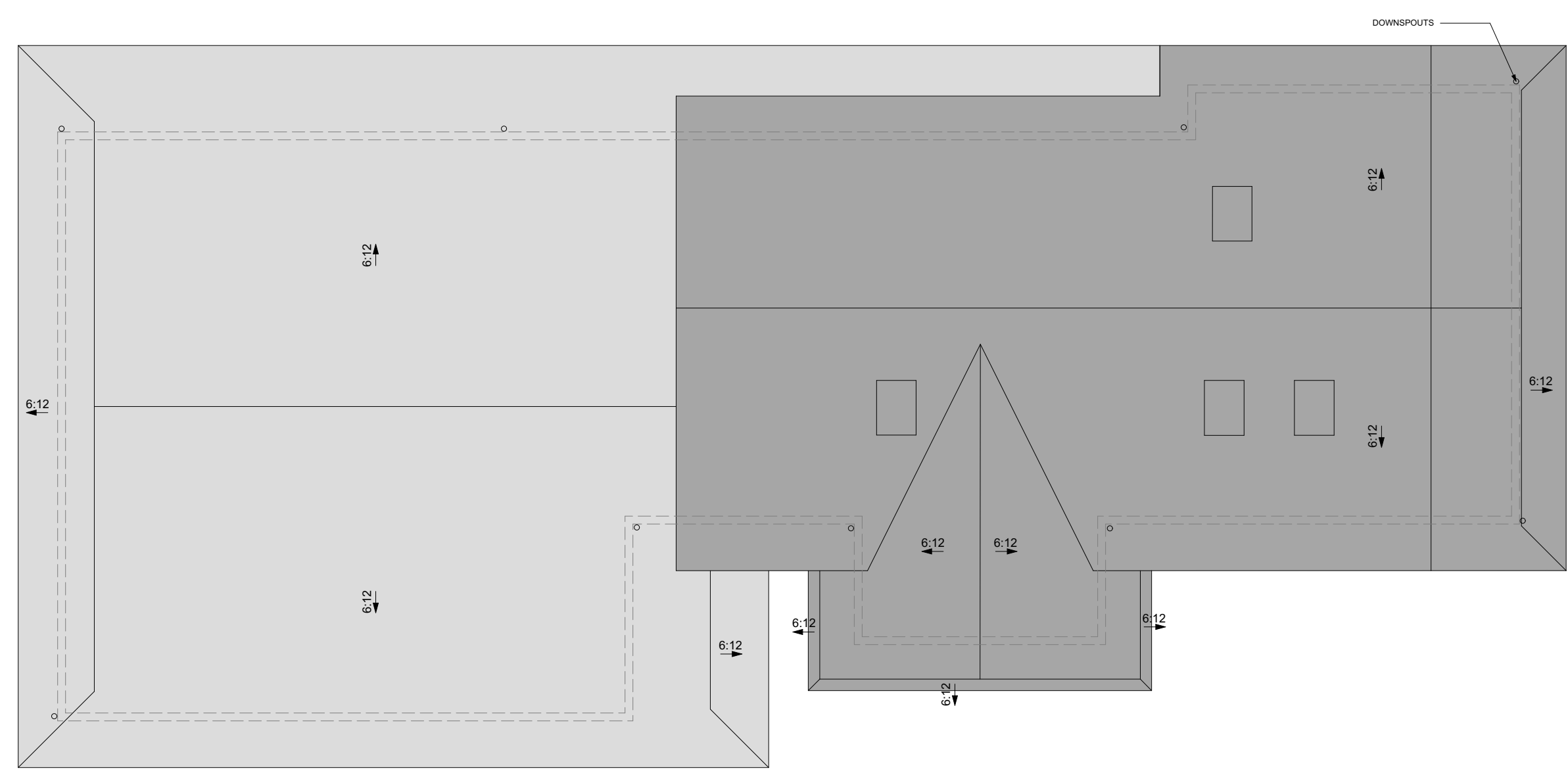
A1.07
PRINT DATE 1/31/2023

EXISTING



1
A1.08 EXISTING ROOF PLAN
SCALE: 1/8" = 1'-0"

PROPOSED



1
A1.08 PROPOSED ROOF PLAN
SCALE: 1/8" = 1'-0"

NOTE: USING EXISTING TIGHT-LINE DOWNSPOUT DRAIN SYSTEM
NOTE: INSTALL RIDGE VENT OVER ALL RIDGES AS WELL AS INTAKE VENT TO ALL SOFFITS.
ATTIC VENTILATION CALCULATION: 1/150 sqft. OF ATTIC FLOOR SPACE, THEREFORE 1945/150 = 13 sqft. needed.

LEGEND

EXISTING: [Solid line]

DEMO: [Dashed line]

NEW: [Thick solid line]

WALL BELOW: [Dotted line]

⊕ N

CLIENT APPROVAL

DATE	DATE

REVISIONS

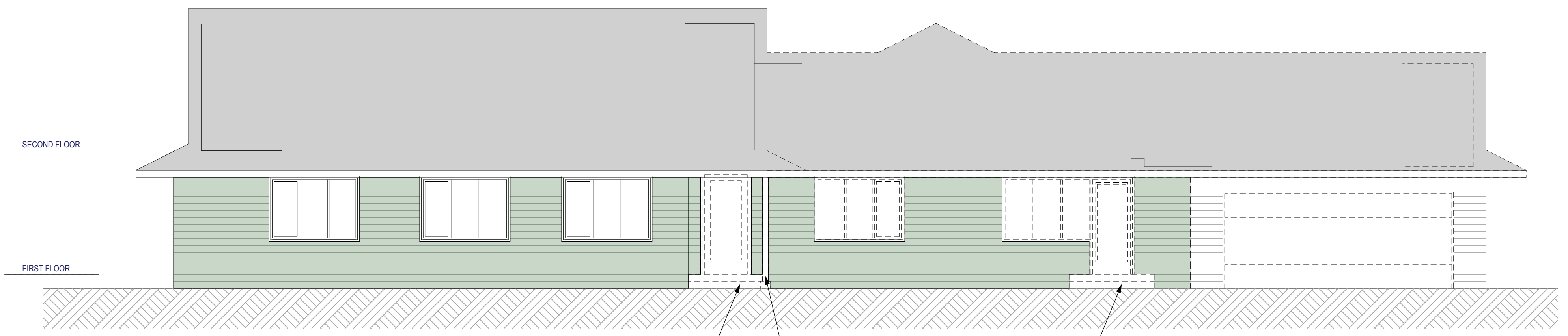
NOTES

REPRESENTATIVE: GH
DRAWN BY: KHS
DESIGNER: YA
PROJECT #: 7070-D
SHEET SIZE: 24 x 36

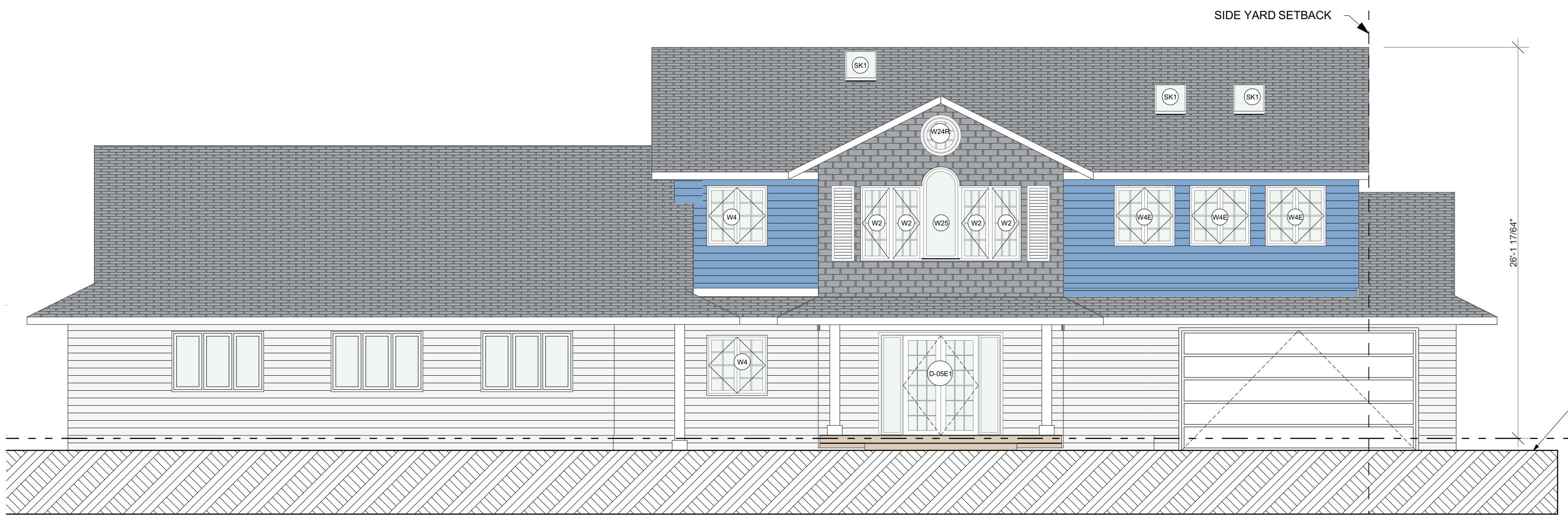
PROGRESS SET

ROOF PLANS

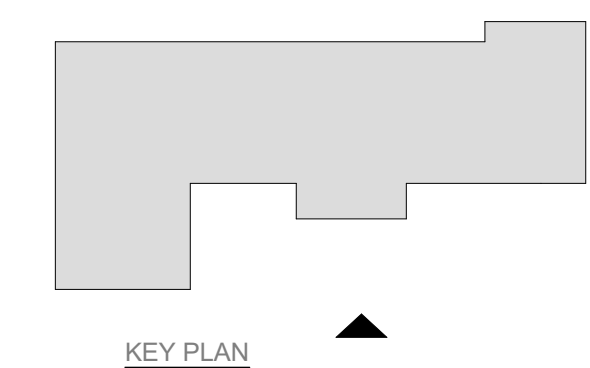
A1.08
PRINT DATE 1/31/2023



1
A2.00 **EXISTING EAST ELEVATION**
SCALE: 3/16" = 1'-0"



2
A2.00 **PROPOSED EAST ELEVATION**
SCALE: 3/16" = 1'-0"

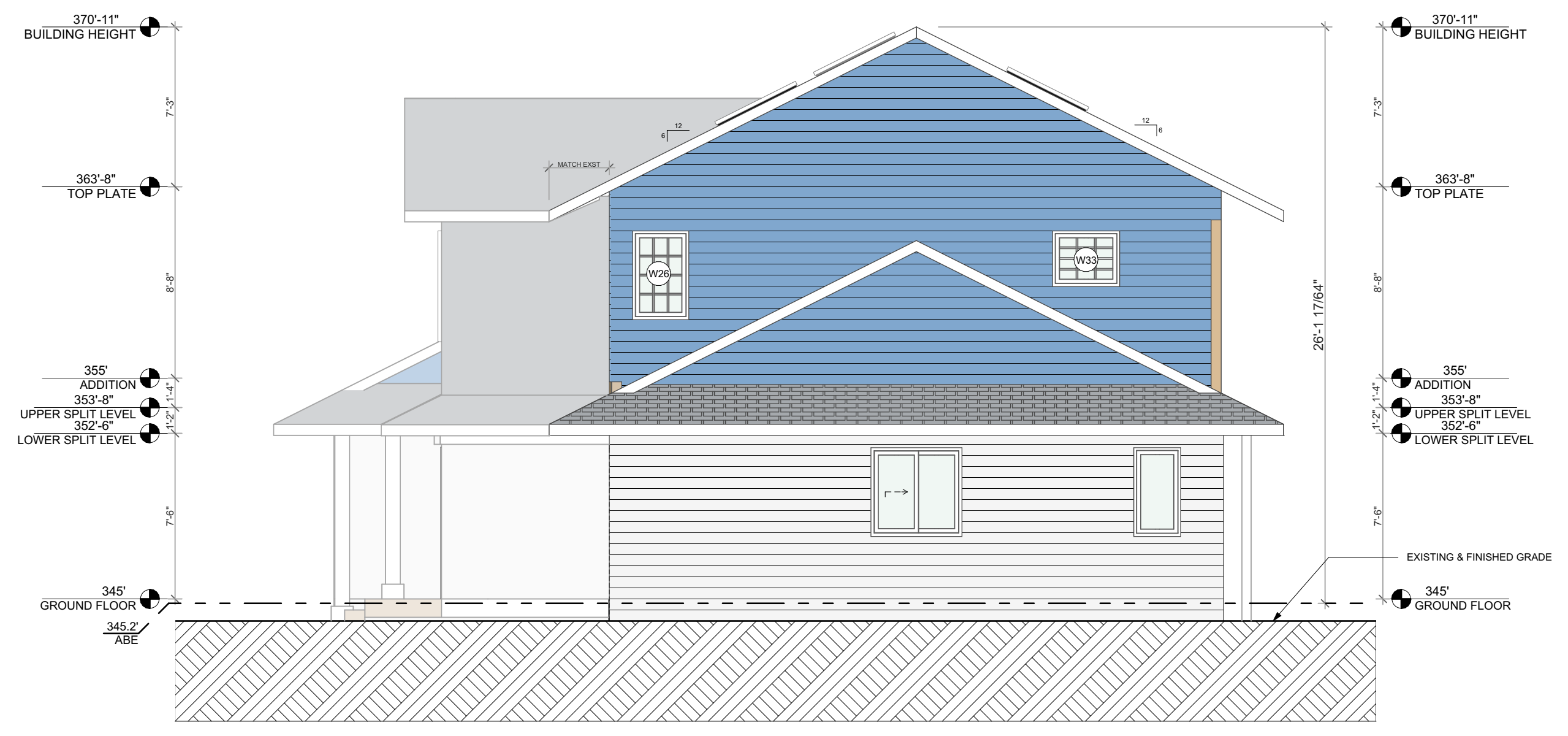




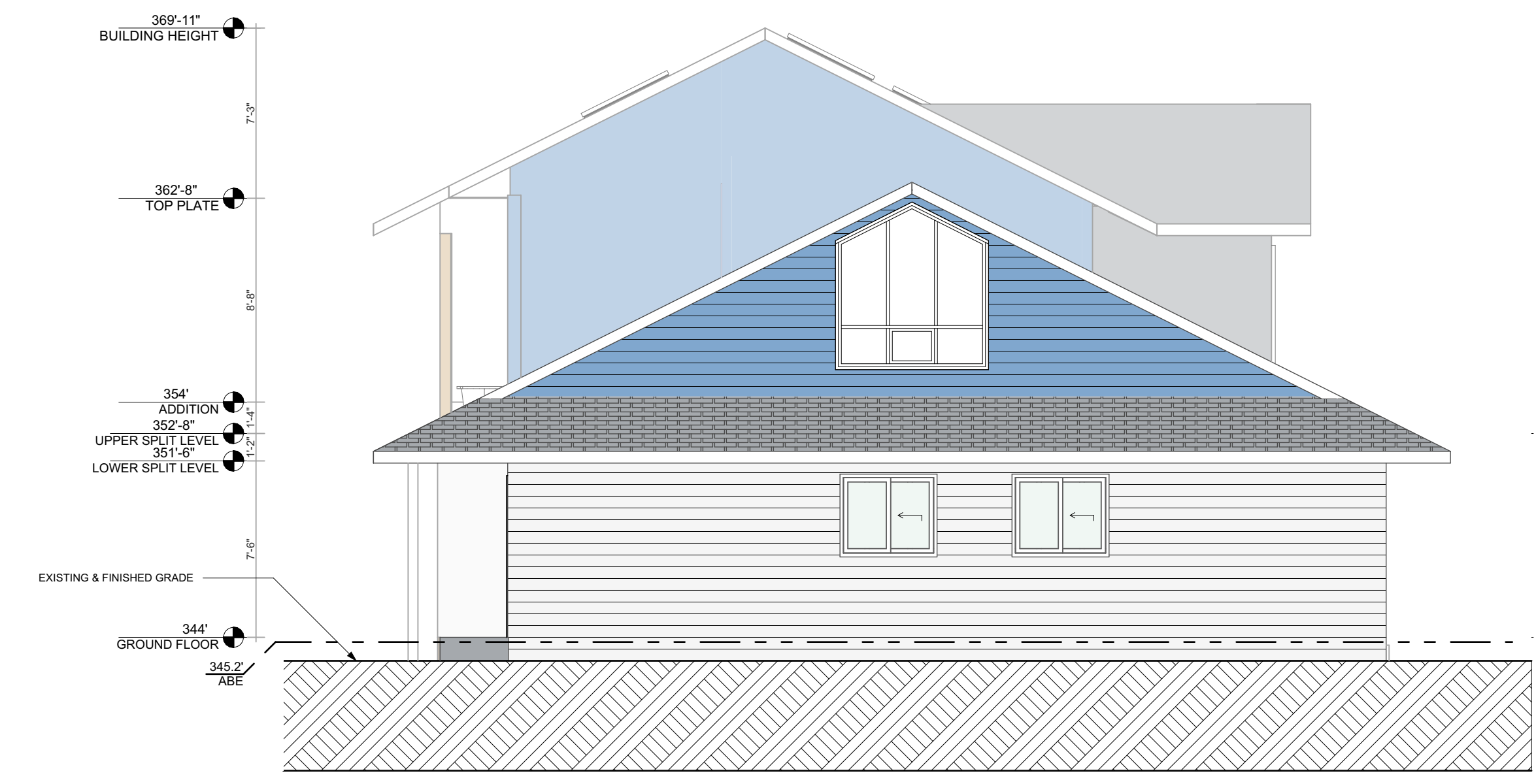
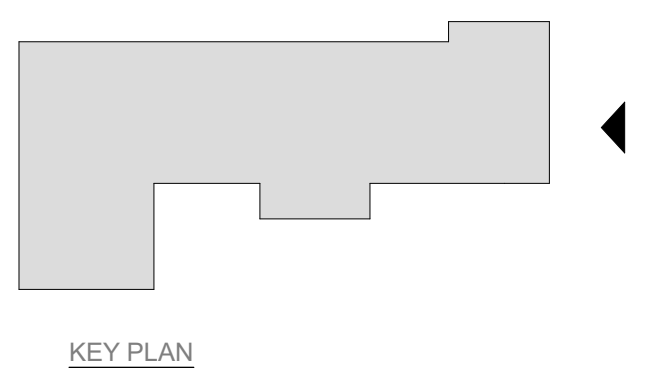
1
A2.01 EXISTING NORTH ELEVATION
SCALE: 3/16" = 1'-0"



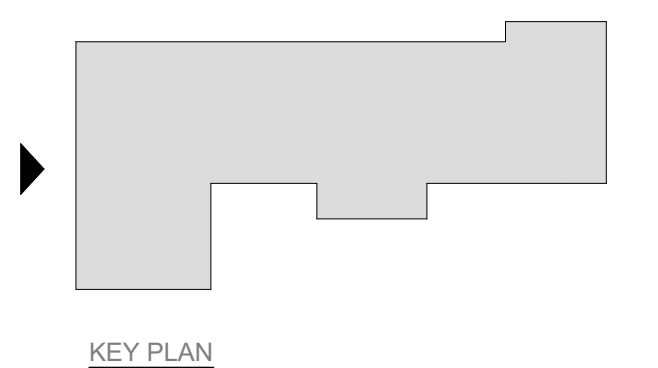
1
A2.01 EXISTING SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



2
A2.01 PROPOSED NORTH ELEVATION
SCALE: 3/16" = 1'-0"



2
A2.01 PROPOSED SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



CLIENT APPROVAL

REVISIONS

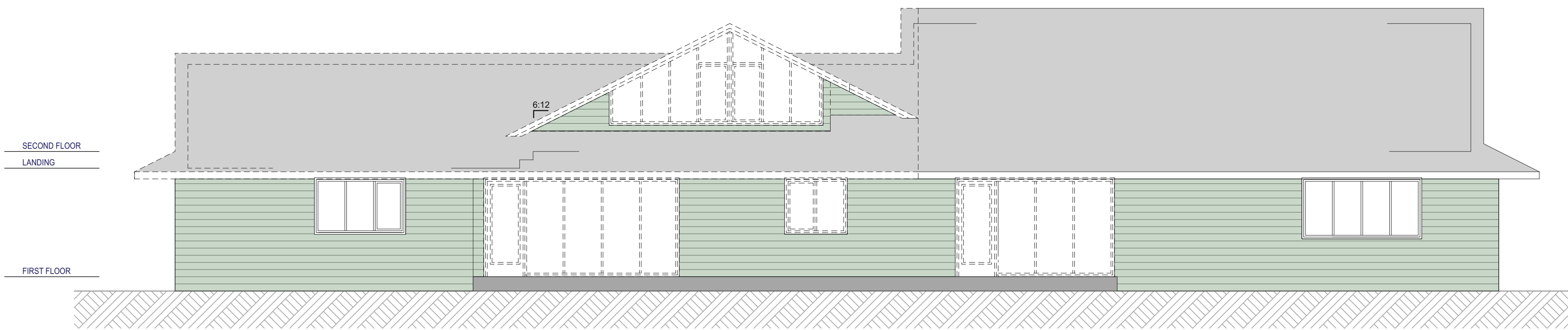
NOTES

REPRESENTATIVE: GH
DRAWN BY: KHS
DESIGNER: YA
PROJECT #: 7070-D
SHEET SIZE: 24 x 36

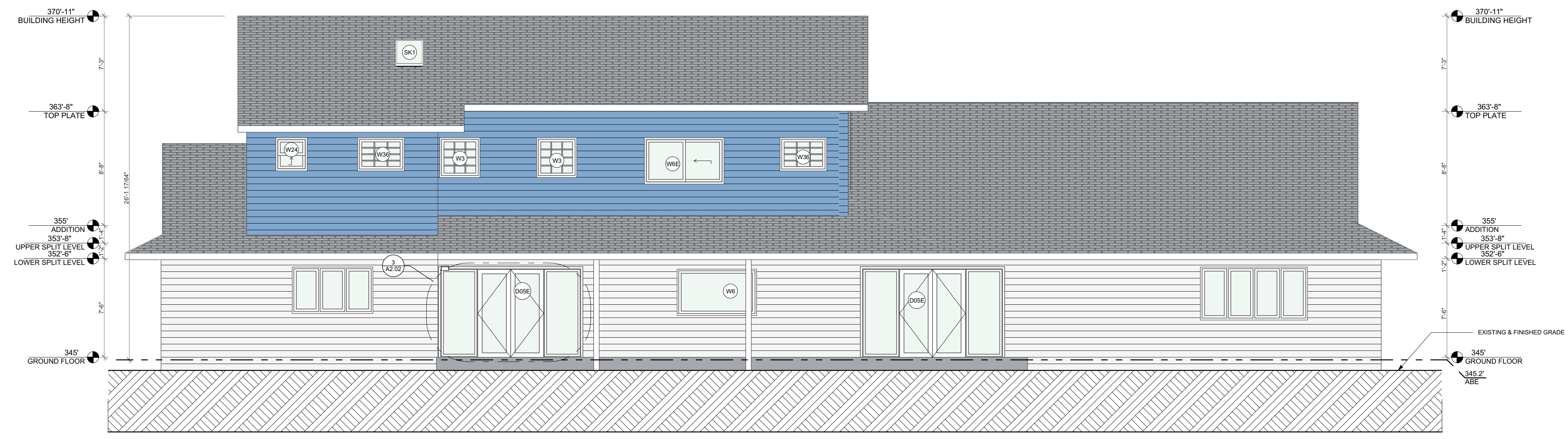
PROGRESS SET

NORTH + SOUTH ELEVATIONS

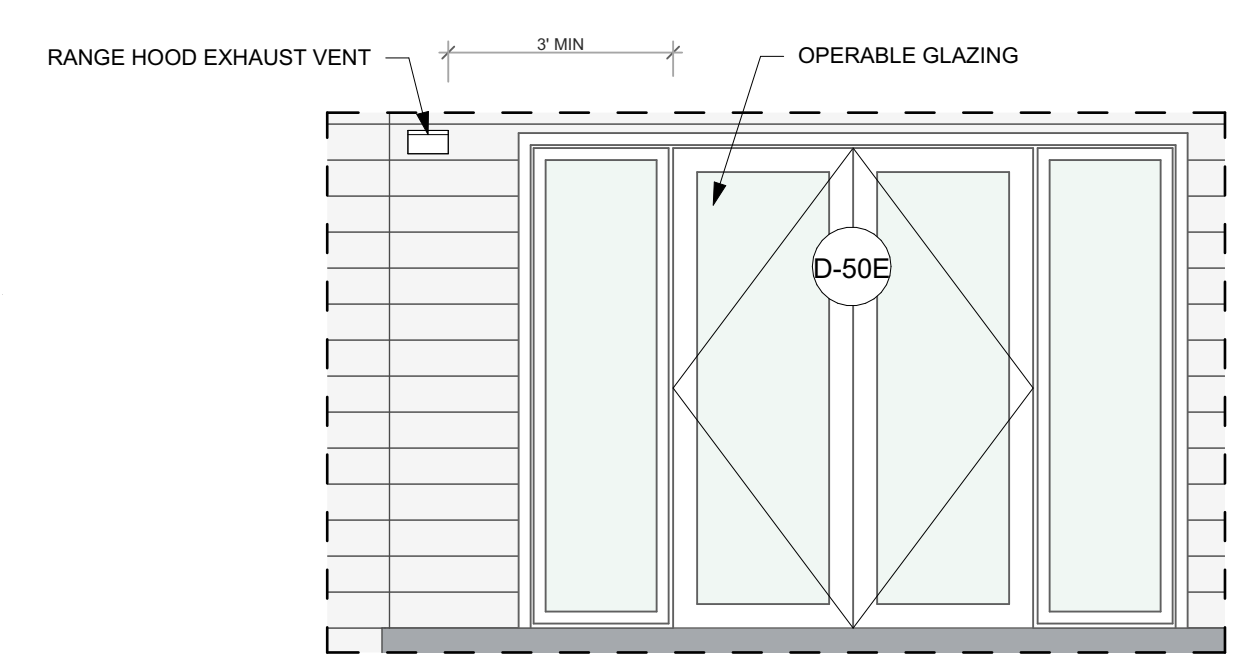
A2.01
PRINT DATE 1/31/2023



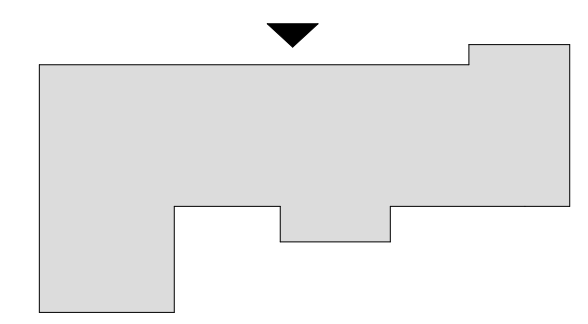
1
A2.02 EXISTING WEST ELEVATION
SCALE: 3/16" = 1'-0"



2
A2.02 PROPOSED WEST ELEVATION
SCALE: 3/16" = 1'-0"



3
A2.02 ENLARGED PATIO GLAZING ELEVATION
SCALE: 3/8" = 1'-0"



KEY PLAN

WINDOW SCHEDULE												
Element ID	W-2	W-3	W-4	W-4E	W-6	W-6E	W-24	W-24R	W-25	W-26	W-33	W-36
Quantity	4	2	2	3	1	1	1	1	1	1	1	2
PREVIEW												
WINDOW TYPE	CASEMENT		CASEMENT	CASEMENT	FIXED			FIXED	FIXED	CASEMENT	FIXED	
DIMENSIONS	2'-0"×5'-0"	3'-0"×3'-0"	4'-0"×4'-0"	4'-0"×4'-0"	6'-0"×3'-6"	6'-0"×3'-6"	2'-4"×2'-6"	2'-5 1/2"×2'-5 1/2"	2'-6"×6'-3 1/4"	2'-6"×4'-0"	3'-0"×2'-6"	3'-6"×2'-6"
EGRESS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
U-VALUE	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30
TEMPERED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LOCATION	ENTRY			M.BEDROOM	KITCHEN					M.BEDROOM	MASTER BATH	

DOOR SCHEDULE								
MARK	D28	D30	D-05E	D-05E1	D-05E2	D-24	D-26P	D-28
QUANTITY	1	2	2	1	2	1	2	4
PREVIEW								
DIMENSIONS	2'-8"×6'-8"	3'-0"×6'-8"	5'-0"×6'-8"	5'-0"×6'-8"	5'-0"×6'-8"	2'-4"×6'-8"	2'-6"×6'-8"	2'-8"×6'-8"
TYPE	Flush	Flush	No Grid	H-V Grid	Flush	Flush	Flush	Flush
FIRE RATING	20 minutes	20 minutes	Non-Rated	Non-Rated	Non-Rated	Non-Rated	Non-Rated	Non-Rated
EGRESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MANUFACTUR...	<Undefined>	<Undefined>	KITCHEN/LIVING	ENTRY	CLOSET	<Undefined>	<Undefined>	<Undefined>
LOCATION	GARAGE	GARAGE						
NOTE			SAFETY GLAZING AS PER IRC R308.4					

SKYLIGHT SCHEDULE	
MARK	SK1
QUANTITY	4
PREVIEW	
DIMENSIONS	22 1/2"×46 1/2"
TYPE	FIXED
LOCATION	MULTIPLE

CLIENT APPROVAL

REVISIONS

NOTES

REPRESENTATIVE: GH
DRAWN BY: KHS
DESIGNER: YA
PROJECT #: 7070-D
SHEET SIZE: 24 x 36

PROGRESS SET

SCHEDULES

2018 Washington State Energy Code – Residential
Prescriptive Energy Code Compliance for All Climate Zones in Washington
Single Family – New & Additions (effective February 1, 2021) Version 1.0

These requirements apply to all IRC building types, including detached one- and two-family dwellings and multiple single-family dwellings (townhouses).

Project Information	Contact Information
BALDWIN RESIDENCE	ARMADA DESIGN & BUILD
4215 87th Ave SE Mercer Island, WA 98040	khushboo@armadabuild.com

Instructions: This single-family project will use the requirements of the Prescriptive Path below and incorporate the minimum values listed. Based on the size of the structure, the appropriate number of additional credits are checked as chosen by the permit applicant.

Provide all information from the following tables as building permit drawings: Table R402.1 - Insulation and Fenestration Requirements by Component, Table R406.2 - Fuel Normalization Credits and 406.3 - Energy Credits.

Authorized Representative: Khushboo Srivastava Date: 09/06/2022

All Climate Zones (Table R402.1.1)		
	R-Value ^a	U-Factor ^a
Fenestration U-Factor ^b	n/a	0.30
Skylight U-Factor ^b	n/a	0.50
Glazed Fenestration SHGC ^{b,c}	n/a	n/a
Ceiling ^d	49	0.026
Wood Frame Wall ^{d,h}	21 int	0.056
Floor	30	0.029
Below Grade Wall ^{e,h}	10/15/21 int + TB	0.042
Slab ^{d,f} R-Value & Depth	10, 2 ft	n/a

- ^a R-values are minimums. U-factors and SHGC are maximums. When insulation is installed in a cavity that is less than the label or design thickness of the insulation, the compressed R-value of the insulation from Appendix Table A101.4 shall not be less than the R-value specified in the table.
- ^b The fenestration U-factor column excludes skylights.
- ^c "10/15/21 +5TB" means R-10 continuous insulation on the exterior of the wall, or R-15 continuous insulation on the interior of the wall, or R-21 cavity insulation plus a thermal break between the slab and the basement wall at the interior of the basement wall. "10/15/21 +5TB" shall be permitted to be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulation on the interior or exterior of the wall. "5TB" means R-5 thermal break between floor slab and basement wall.
- ^d R-10 continuous insulation is required under heated slab on grade floors. See Section R402.2.9.1.
- ^e For single rafter- or joist-vaulted ceilings, the insulation may be reduced to R-38 if the full insulation depth extends over the top plate of the exterior wall.
- ^f R-7.5 continuous insulation installed over an existing slab is deemed to be equivalent to the required perimeter slab insulation when applied to existing slabs complying with Section R503.1.1. If foam plastic is used, it shall meet the requirements for thermal barriers protecting foam plastics.
- ^g For log structures developed in compliance with Standard ICC 400, log walls shall meet the requirements for climate zone 5 of ICC 400.
- ^h Int. (intermediate framing) denotes framing and insulation as described in Section A103.2.2 including standard framing 16 inches on center, 78% of the wall cavity insulated and headers insulated with a minimum of R-10 insulation.

2018 Washington State Energy Code – Residential
Prescriptive Energy Code Compliance for All Climate Zones in Washington
Single Family – New & Additions (effective February 1, 2021)

Each dwelling unit in a residential building shall comply with sufficient options from Table R406.2 (fuel normalization credits) and Table 406.3 (energy credits) to achieve the following minimum number of credits. To claim this credit, the building permit drawings shall specify the option selected and the maximum tested building air leakage, and show the qualifying ventilation system and its control sequence of operation.

- Small Dwelling Unit: 3 credits**
Dwelling units less than 1,500 sf in conditioned floor area with less than 300 sf of fenestration area. Additions to existing building that are greater than 500 sf of heated floor area but less than 1,500 sf.
- Medium Dwelling Unit: 6 credits**
All dwelling units that are not included in #1 or #3
- Large Dwelling Unit: 7 credits**
Dwelling units exceeding 5,000 sf of conditioned floor area
- Additions less than 500 square feet: 1.5 credits**
All other additions shall meet 1-3 above

Before selecting your credits on this Summary table, review the details in Table 406.3 (Single Family), on page 4.

Summary of Table R406.2			
Heating Options	Fuel Normalization Descriptions	Credits - select ONE heating option	User Notes
1	Combustion heating minimum NAECA ^a	0.0	<input type="checkbox"/>
2	Heat pump ^f	1.0	<input type="checkbox"/>
3	Electric resistance heat only - furnace or zonal	-1.0	<input type="checkbox"/>
4	DHP with zonal electric resistance per option 3.4	0.5	<input type="checkbox"/>
5	All other heating systems	-1.0	<input type="checkbox"/>
Energy Options	Energy Credit Option Descriptions	Credits - select ONE energy option from each category ^g	
1.1	Efficient Building Envelope	0.5	<input type="checkbox"/>
1.2	Efficient Building Envelope	1.0	<input type="checkbox"/>
1.3	Efficient Building Envelope	0.5	<input type="checkbox"/>
1.4	Efficient Building Envelope	1.0	<input type="checkbox"/>
1.5	Efficient Building Envelope	2.0	<input type="checkbox"/>
1.6	Efficient Building Envelope	3.0	<input type="checkbox"/>
1.7	Efficient Building Envelope	0.5	<input type="checkbox"/>
2.1	Air Leakage Control and Efficient Ventilation	0.5	<input type="checkbox"/>
2.2	Air Leakage Control and Efficient Ventilation	1.0	<input type="checkbox"/>
2.3	Air Leakage Control and Efficient Ventilation	1.5	<input type="checkbox"/>
2.4	Air Leakage Control and Efficient Ventilation	2.0	<input type="checkbox"/>
3.1 ^h	High Efficiency HVAC	1.0	<input checked="" type="checkbox"/>
3.2	High Efficiency HVAC	1.0	<input type="checkbox"/>
3.3 ^h	High Efficiency HVAC	1.5	<input type="checkbox"/>
3.4	High Efficiency HVAC	1.5	<input type="checkbox"/>
3.5	High Efficiency HVAC	1.5	<input type="checkbox"/>
3.6 ^h	High Efficiency HVAC	2.0	<input type="checkbox"/>
4.1	High Efficiency HVAC Distribution System	0.5	<input type="checkbox"/>
4.2	High Efficiency HVAC Distribution System	1.0	<input type="checkbox"/>

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Summary of Table R406.2 (cont.)			
Energy Options	Energy Credit Option Descriptions (cont.)	Credits - select ONE energy option from each category ^g	User Notes
5.1 ^h	Efficient Water Heating	0.5	<input type="checkbox"/>
5.2	Efficient Water Heating	0.5	<input type="checkbox"/>
5.3	Efficient Water Heating	1.0	<input type="checkbox"/>
5.4	Efficient Water Heating	1.5	<input type="checkbox"/>
5.5	Efficient Water Heating	2.0	<input checked="" type="checkbox"/>
5.6	Efficient Water Heating	2.5	<input type="checkbox"/>
6.1 ^h	Renewable Electric Energy (3 credits max)	1.0	<input type="checkbox"/>
7.1	Appliance Package	0.5	<input type="checkbox"/>
Total Credits		3.0	<input type="button" value="Calculate Total"/> <input type="button" value="Clear Form"/>

- An alternative heating source sized at a maximum of 0.5 W/sf (equivalent) of heated floor area or 500 W, whichever is bigger, may be installed in the dwelling unit.
- Equipment listed in Table C403.3.2(4) or C403.3.2(5)
- Equipment listed in Table C403.3.2(1) or C403.3.2(2)
- You cannot select more than one option from any category EXCEPT in category 5. Option 5.1 may be combined with options 5.2 through 5.6. See Table 406.3.
- 1.0 credit for each 1,200 kWh of electrical generation provided annually, up to 3 credits max. See the complete Table R406.2 for all requirements and option descriptions.
- Use the single radiobutton in the upper right of the second column to deselect radiobuttons in that group.

Please print only pages 1 through 3 of this worksheet for submission to your building official.

DESCRIPTION OF CREDITS

3.1 ²	Energy Star rated (U.S. North) Gas or propane furnace with minimum AFUE of 95% or Energy Star rated (U.S. North) Gas or propane boiler with minimum AFUE of 90%. ²	1.0
5.5	Water heating system shall include one of the following: Electric heat pump water heater meeting the standards for Tier III of NEEA's advanced water heating specification or For R-2 Occupancy, electric heat pump water heater(s), meeting the standards for Tier III of NEEA's advanced water heating specification, shall supply domestic hot water to all units. If one water heater is serving more than one dwelling unit, all hot water supply and recirculation piping shall be insulated with R-8 minimum pipe insulation. ⁵	2.0

CLIENT APPROVAL

DATE: _____

REVISIONS

DATE: _____

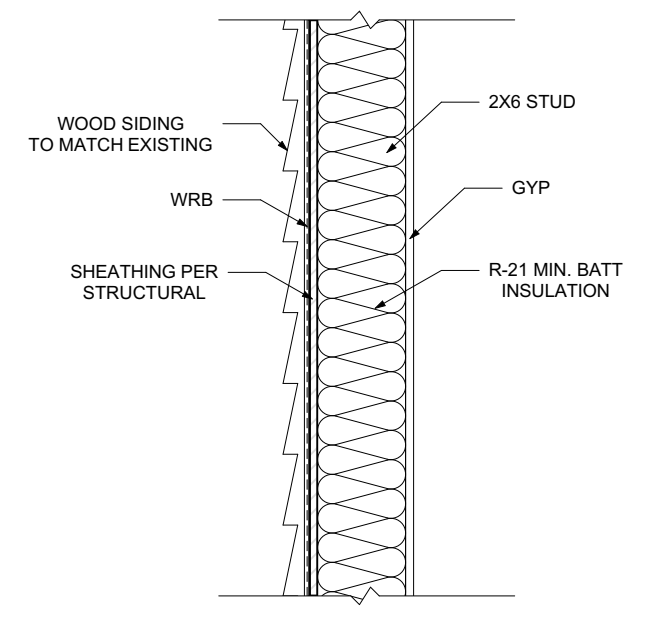
NOTES

REPRESENTATIVE: GH
DRAWN BY: KHS
DESIGNER: YA
PROJECT #: 7070-D
SHEET SIZE: 24 x 36

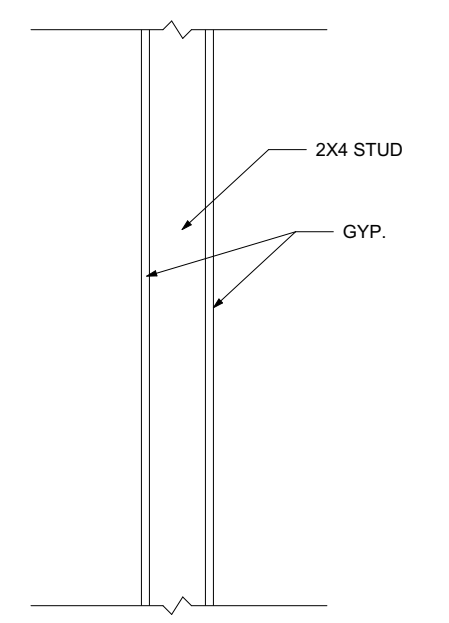
PROGRESS SET

ENERGY CODE

A3.01
PRINT DATE 1/31/2023



W1 2X6 EXTERIOR WALL 1" = 1'-0"



W2 2X4 INTERIOR WALL 1" = 1'-0"

CLIENT APPROVAL

DATE	DATE

REVISIONS

NOTES

REPRESENTATIVE: GH
 DRAWN BY: KHS
 DESIGNER: YA
 PROJECT #: 7070-D
 SHEET SIZE: 24 x 36

PROGRESS SET

DETAILS

A3.02
 PRINT DATE 1/31/2023