

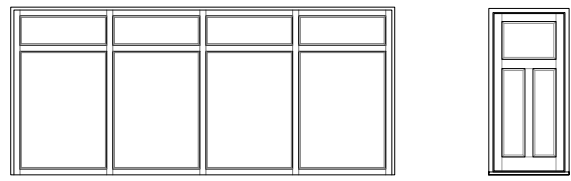


ATTIC VENT SCHEDULE			
FH201 2-CAR FRONT ENTRY	ROOF AREA 'A'	ROOF AREA 'B'	
ATTIC AREA (SF)	1397	269	
TOTAL NET FREE VENTED AREA REQ.	671 IN ²	129 IN ²	
LOW - REQUIRED (*)	335 IN ²	65 IN ²	
LOW - ACTUAL w/ EAVE VENTS (**)	336 IN ² 12 EAVE VENTS	84 IN ² 3 EAVE VENTS	
LOW - ACTUAL w/ CONTINUOUS VENTED SOFFITS (**)	340 IN ² 34 LINEAR FEET	70 IN ² 7 LINEAR FEET	
HIGH - REQUIRED (*)	335 IN ²	65 IN ²	
HIGH - ACTUAL w/ POT VENTS (***)	366 IN ² 6 VENTS	122 IN ² 2 VENTS	
HIGH - ACTUAL w/ CONT. RIDGE VENTS (***)	342 IN ² 19 LF	126 IN ² 4 LF	

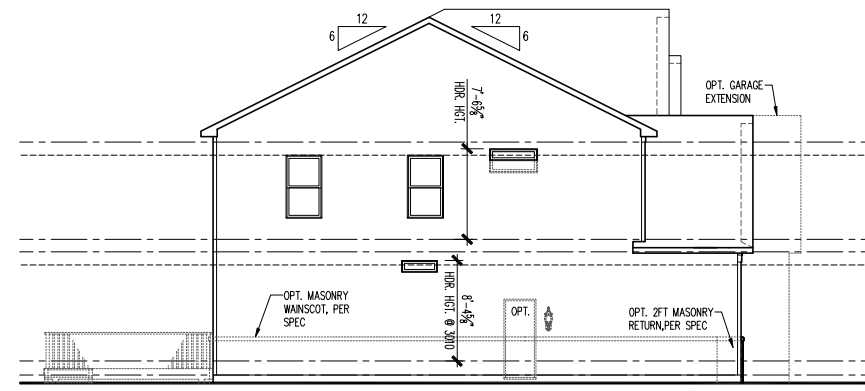
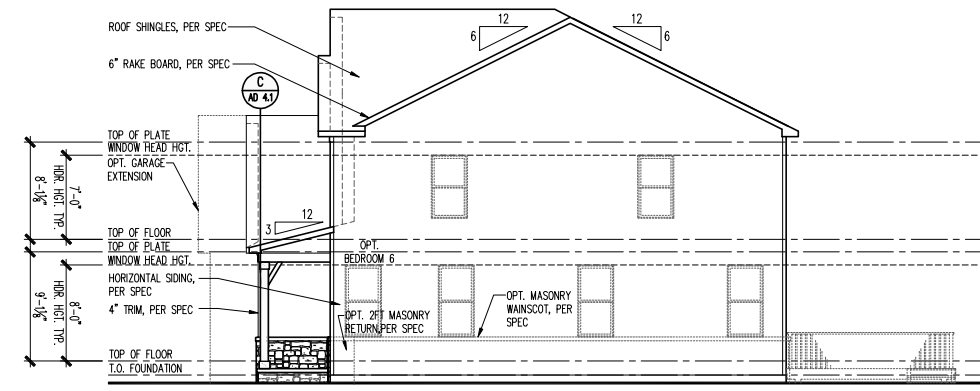
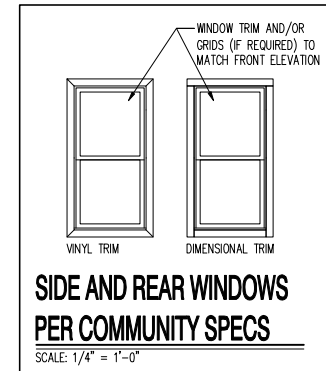
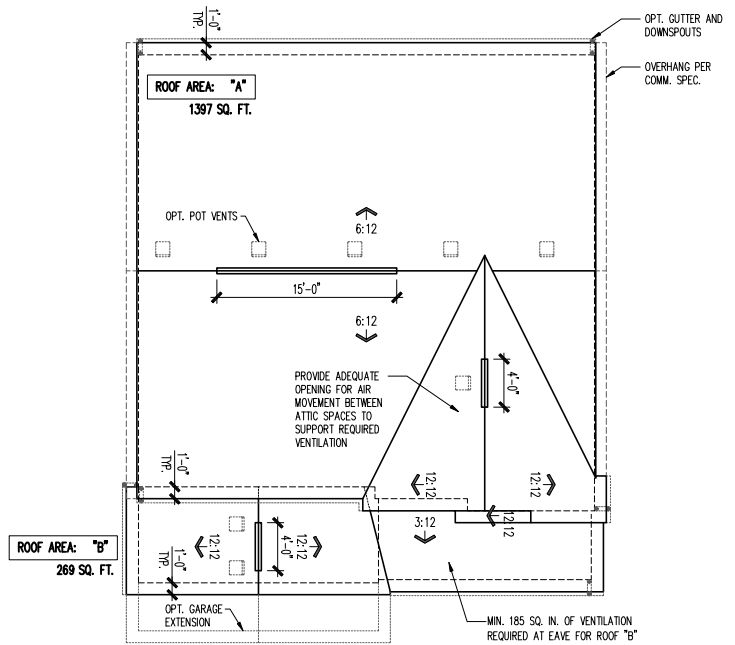
* REQUIRED NET FREE VENTED AREA IS CALCULATED BY MULTIPLYING THE ATTIC AREA (FT²) BY 1/300 AND THEN MULTIPLYING BY 144 (CONVERTING FT² TO IN²). 50% OF TOTAL NET FREE VENTED AREA IS REQUIRED NEAR THE RIDGE (HIGH) AND 50% IS REQUIRED AT THE SOFFIT (LOW). WHEN BOTH (HIGH) & (LOW) ARE NOT PROVIDED, THE REQ'D NET FREE AREA IS 1/150 OF THE ACTUAL AREA INSTEAD.

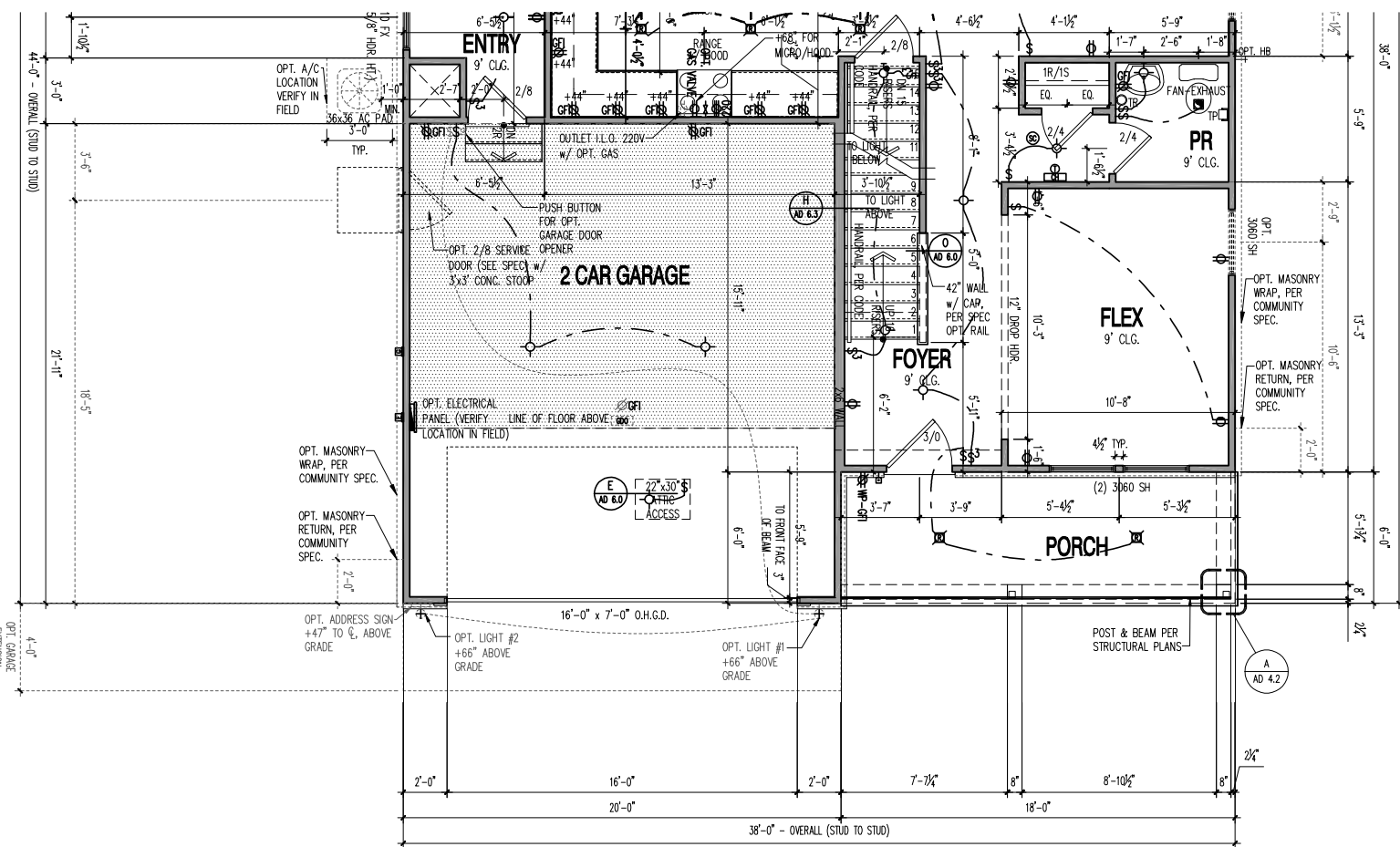
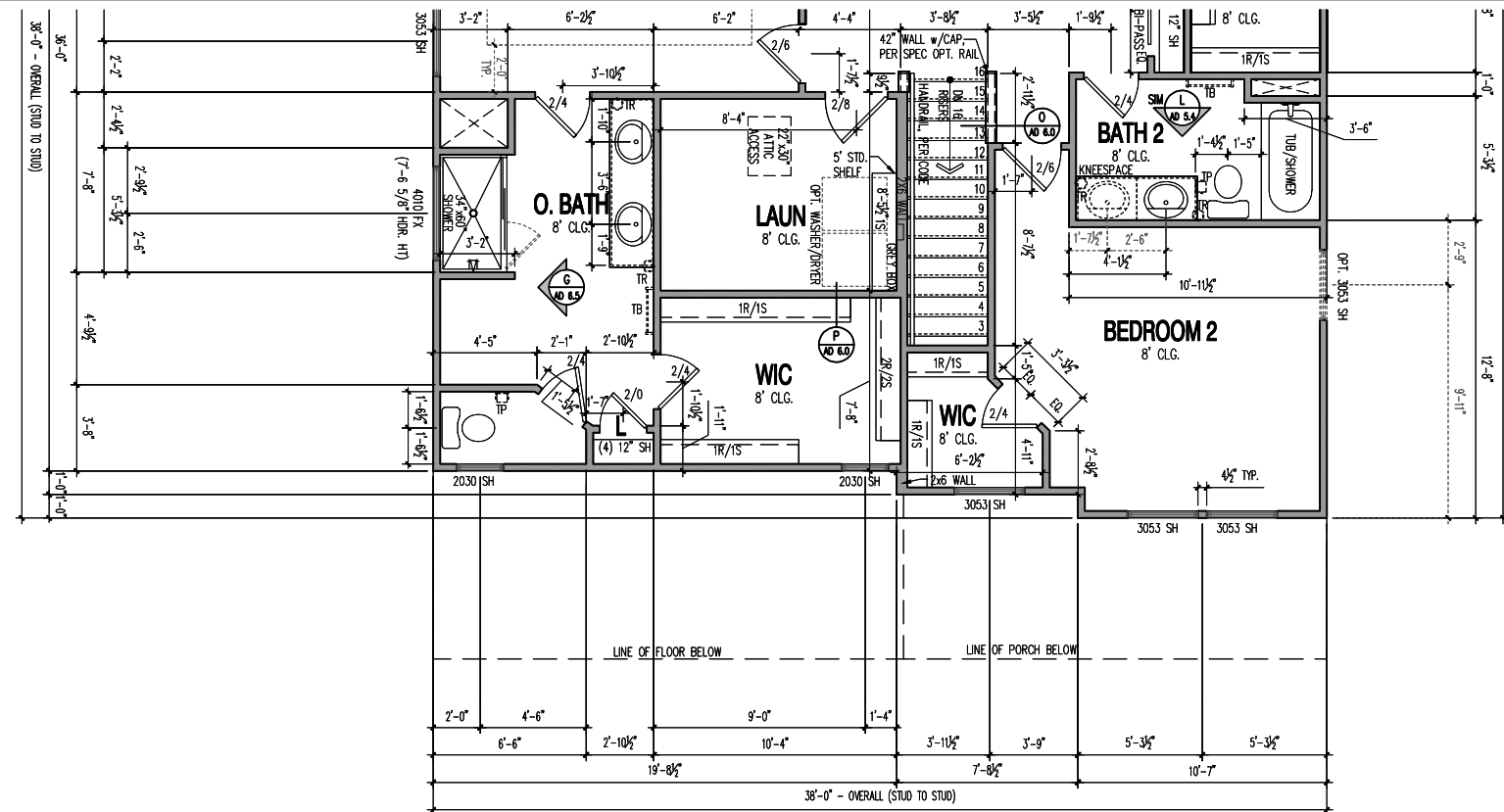
** ACTUAL NET FREE VENTED SOFFIT AREA IS CALCULATED BY DIVIDING THE REQUIRED (LOW) AREA BY THE MFRS STATED ACTUAL VENTED NET FREE AREA PER VENT:
 LOW OPT 1: EAVE VENTS = 28.0 IN²/VENT (OR)
 LOW OPT 2: CONT. VENTED SOFFITS = 10.0 IN²/LINEAR FT

*** ACTUAL NET FREE VENTED RIDGE AREA IS CALCULATED BY DIVIDING THE REQUIRED (HIGH) AREA BY THE MFRS STATED ACTUAL VENTED NET AREA PER VENT:
 HIGH OPT 1: POT ROOF VENTS = 61.0 IN²/VENT (OR)
 HIGH OPT 2: CONT. RIDGE VENTS = 18.0 IN²/LINEAR FT



UPGRADED DOOR OPTION
 SCALE: 1/4" = 1'-0"





ROOM NAME	AREA (SF)	LIGHT 8%		VENT 4%		MECH (CFM)	
		REQ	ACT	REQ	ACT	REQ	ACT
KITCHEN / GATHERING ROOM	615.8	49.3	82.5	24.6	36.9	---	---
BATH 2	59.0	4.7	*	2.4	**	69.0	80
OWNER'S SUITE	275.2	22.0	35.1	11.0	17.7	---	---
OWNER'S BATH	108.7	8.7	2.0*	4.3	**	127.2	140
BEDROOM 2	165.4	13.2	23.4	6.6	11.8	---	---
BEDROOM 3	139.6	11.2	11.7	5.6	5.9	---	---
LAUNDRY	82.0	6.6	*	3.3	**	95.9	100
BEDROOM 4	138.2	11.1	11.7	5.5	5.9	---	---
LOFT	146.0	11.7	23.4	5.8	11.8	---	---
FLEX	127.7	10.2	27.4	5.1	11.8	---	---
BEDROOM 6	112.1	9.0	27.4	4.5	11.8	---	---
BATH 6	44.9	3.6	*	1.8	**	52.5	60
SUNROOM	110.8	8.9	82.5	4.4	36.9	---	---
KITCHEN / GATHERING ROOM EXTENSION	672.2	53.8	82.5	26.9	36.9	---	---
BEDROOM 7	129.8	10.4	12.2	5.2	6.7	---	---
BATH 7	43.8	3.5	*	1.8	**	51.2	60

* ARTIFICIAL LIGHT
 ** BATH FAN REQ: LxWxH OF ROOM x 0.13 = MIN. CFM RATING REQUIRED
 THE TABLE ABOVE SHOWS CALCULATIONS THAT APPLY FOR ALL ELEVATIONS, U.N.O.
 *** DWELLING WILL BE EQUIPPED WITH WHOLE HOUSE MECHANICAL VENTILATION SYSTEM INSTALLED PER IRC SECTION M1505.

BASE HOUSE - HEATED	
FIRST FLOOR	1130
SECOND FLOOR	1378
TOTAL BASE HEATED	2508
BASE HOUSE - UNDER ROOF	
GARAGE - 2 CAR FRONT ENTRY	434
BASEMENT	1057
TOTAL BASE UNDER ROOF	1564
OPTIONS	
SUNROOM	120
GARAGE - 3 CAR FRONT ENTRY	656
GARAGE - 2 CAR SIDE ENTRY	460

ELEVATION FH201	
ADDITIONAL 1ST FLOOR - HEATED	0
TOTAL 1ST FLOOR	1130
ADDITIONAL 2ND FLOOR - HEATED	0
TOTAL 2ND FLOOR	0
TOTAL ELEV. HEATED	1130
ADDITIONAL GARAGE - 2 CAR FRONT	0
TOTAL GARAGE	434
ADDITIONAL BASEMENT	0
TOTAL BASEMENT	1057
FRONT PORCH	108
TOTAL ELEV. FOOTPRINT	1672

LIGHT & VENT SCHEDULE		ELEVATION FH201					
ROOM NAME	AREA (SF)	LIGHT 8%		VENT 4%		MECH (CFM)	
		REQ	ACT	REQ	ACT	REQ	ACT
FLEX	127.7	10.2	27.4	5.1	11.8	---	---
BEDROOM 2	165.4	13.2	23.4	6.6	11.8	---	---

* ARTIFICIAL LIGHT
 ** FAN REQ: LxWxH OF ROOM x 0.13 = MIN. CFM RATING REQUIRED
 THE TABLE ABOVE SHOWS CALCULATIONS THAT APPLY FOR ALL ELEVATIONS, U.N.O.
 *** DWELLING WILL BE EQUIPPED WITH WHOLE HOUSE MECHANICAL VENTILATION SYSTEM INSTALLED PER IRC SECTION M1505.
 REFER TO BASE "LIGHT & VENT SCHEDULE" FOR REMAINING ROOMS

NOTE: SCALES NOTED ON DRAWINGS RELATE TO FULL SIZE PLOTS ON 22x34 SHEETS - 11x17 SHEETS REPRESENT 1/2 SCALE PLOTS

North Area
 1900 E. Golf Road, Suite 300
 Schaumburg, Illinois 60173



Farmhouse 201
 2 Car Front Entry
 Partial Floor Plan - 2x4 Exterior Walls

PRODUCTION MANAGER
 Rick Storkey
 INITIAL RELEASE DATE:
 01/31/2022
 CURRENT RELEASE DATE:
 03/15/2024

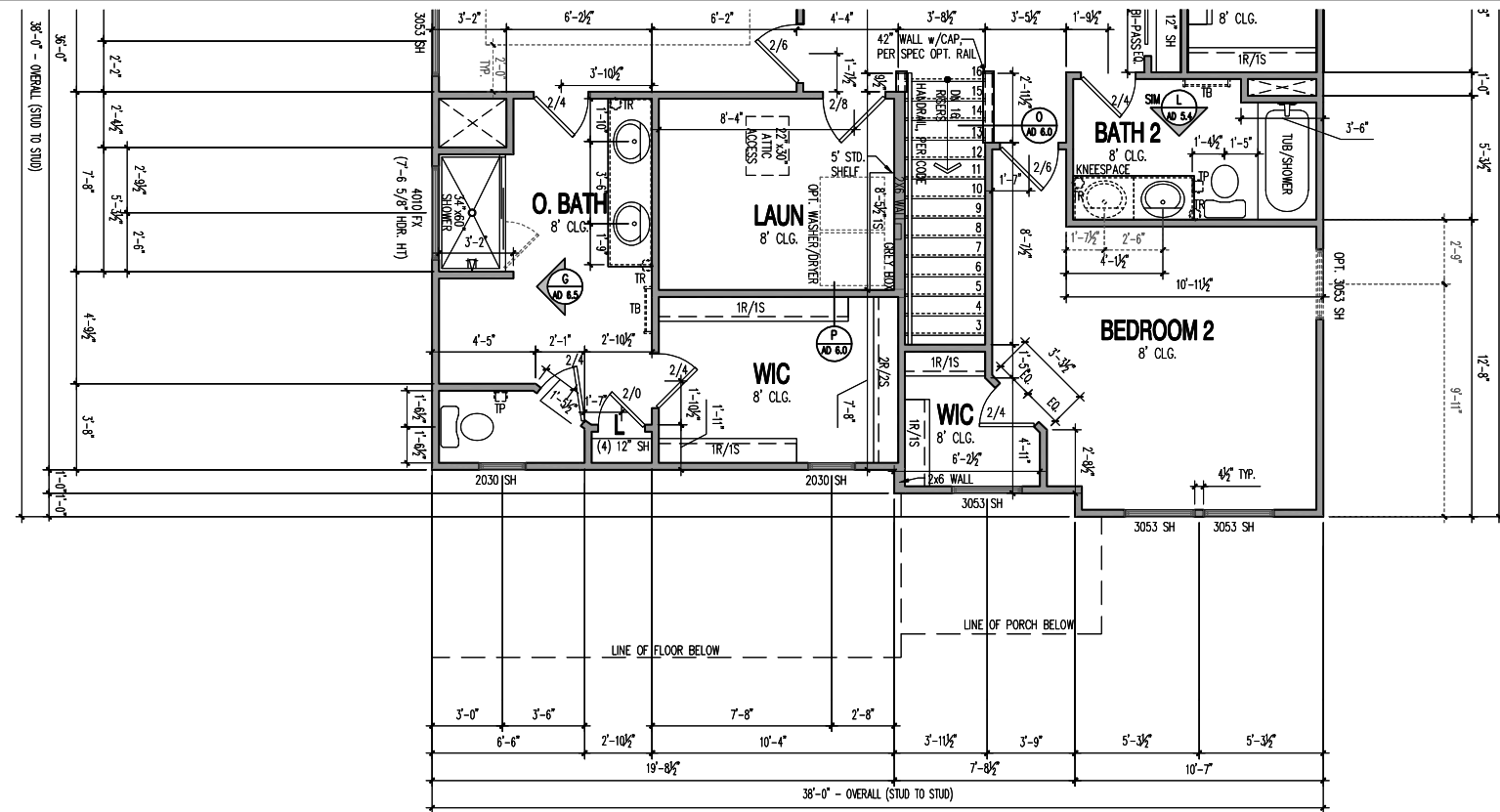
REV #	DATE / DESCRIPTION
06/03/2022	PLAN REVISION
04/14/2023	PLAN REVISION
03/15/2024	PCR UPDATES

GARAGE HANDING
GARAGE LEFT

PLAN NAME
MERCER
 NPC PLAN NUMBER
1385.302
 LAWSON PLAN ID

SHEET
A3-FH201
2FB4.3

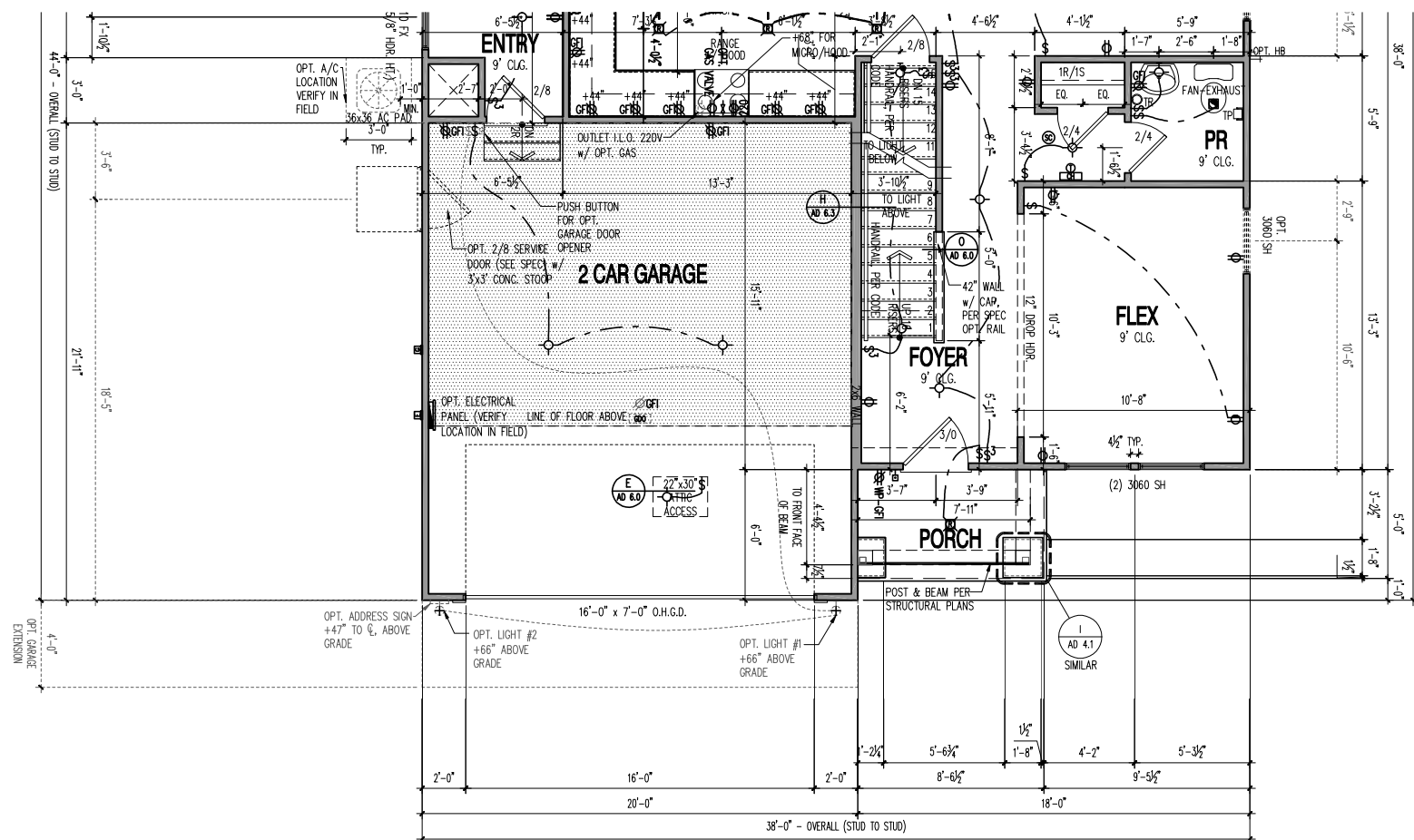




SECOND FLOOR PLAN - 2x4 EXTERIOR WALLS

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

SEE BASE PLANS FOR INFORMATION NOT SHOWN



FIRST FLOOR PLAN - 2x4 EXTERIOR WALLS

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

SEE BASE PLANS FOR INFORMATION NOT SHOWN

ROOM NAME	AREA (SF)	LIGHT 8%		VENT 4%		MECH (CFM)	
		REQ	ACT	REQ	ACT	REQ	ACT
KITCHEN / GATHERING ROOM	615.8	49.3	82.5	24.6	36.9	---	---
BATH 2	59.0	4.7	*	2.4	**	69.0	80
OWNER'S SUITE	275.2	22.0	35.1	11.0	17.7	---	---
OWNER'S BATH	108.7	8.7	2.0*	4.3	**	127.2	140
BEDROOM 2	165.4	13.2	23.4	6.6	11.8	---	---
BEDROOM 3	139.6	11.2	11.7	5.6	5.9	---	---
LAUNDRY	82.0	6.6	*	3.3	**	95.9	100
BEDROOM 4	138.2	11.1	11.7	5.5	5.9	---	---
LOFT	146.0	11.7	23.4	5.8	11.8	---	---
FLEX	127.7	10.2	27.4	5.1	11.8	---	---
BEDROOM 6	112.1	9.0	27.4	4.5	11.8	---	---
BATH 6	44.9	3.6	*	1.8	**	52.5	60
SUNROOM	110.8	8.9	82.5	4.4	36.9	---	---
KITCHEN / GATHERING ROOM EXTENSION	672.2	53.8	82.5	26.9	36.9	---	---
BEDROOM 7	129.8	10.4	12.2	5.2	6.7	---	---
BATH 7	43.8	3.5	*	1.8	**	51.2	60

* ARTIFICIAL LIGHT
 ** BATH FAN REQ: LxWxH OF ROOM x 0.13 = MIN. CFM RATING REQUIRED
 THE TABLE ABOVE SHOWS CALCULATIONS THAT APPLY FOR ALL ELEVATIONS, U.N.O.
 *** DWELLING WILL BE EQUIPPED WITH WHOLE HOUSE MECHANICAL VENTILATION SYSTEM INSTALLED PER IRC SECTION M1505.

BASE HOUSE - HEATED	
FIRST FLOOR	1130
SECOND FLOOR	1378
TOTAL BASE HEATED	2508
BASE HOUSE - UNDER ROOF	
GARAGE - 2 CAR FRONT ENTRY	434
BASEMENT	1057
TOTAL BASE UNDER ROOF	1564
OPTIONS	
SUNROOM	120
GARAGE - 3 CAR FRONT ENTRY	656
GARAGE - 2 CAR SIDE ENTRY	460

ELEVATION HR102	
ADDITIONAL 1ST FLOOR - HEATED	0
TOTAL 1ST FLOOR	1130
ADDITIONAL 2ND FLOOR - HEATED	0
TOTAL 2ND FLOOR	0
TOTAL ELEV. HEATED	1130
ADDITIONAL GARAGE - 2 CAR FRONT	0
TOTAL GARAGE	434
ADDITIONAL BASEMENT	0
TOTAL BASEMENT	1057
FRONT PORCH	43
TOTAL ELEV. FOOTPRINT	1607

LIGHT & VENT SCHEDULE		ELEVATION HR102					
ROOM NAME	AREA (SF)	LIGHT 8%		VENT 4%		MECH (CFM)	
		REQ	ACT	REQ	ACT	REQ	ACT
FLEX	127.7	10.2	27.4	5.1	11.8	---	---
BEDROOM 2	165.4	13.2	23.4	6.6	11.8	---	---

* ARTIFICIAL LIGHT
 ** FAN REQ: LxWxH OF ROOM x 0.13 = MIN. CFM RATING REQUIRED
 THE TABLE ABOVE SHOWS CALCULATIONS THAT APPLY FOR ALL ELEVATIONS, U.N.O.
 *** DWELLING WILL BE EQUIPPED WITH WHOLE HOUSE MECHANICAL VENTILATION SYSTEM INSTALLED PER IRC SECTION M1505.
 REFER TO BASE "LIGHT & VENT SCHEDULE" FOR REMAINING ROOMS

NOTE: SCALES NOTED ON DRAWINGS RELATE TO FULL SIZE PLOTS ON 22x34" SHEETS - 11x17 SHEETS REPRESENT 1/2 SCALE PLOTS

North Area
 1900 E. Golf Road, Suite 300
 Schaumburg, Illinois 60173



Heartland 102
 2 Car Front Entry
 Partial Floor Plan - 2x4 Exterior Walls

PRODUCTION MANAGER
 Rick Storkey
 INITIAL RELEASE DATE:
 01/31/2022
 CURRENT RELEASE DATE:
 03/15/2024

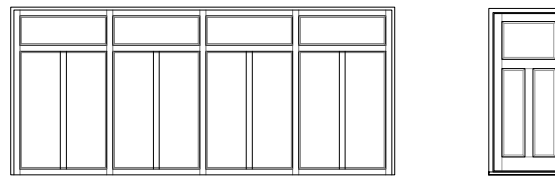
REV #	DATE / DESCRIPTION
1	06/03/2022 PLAN REVISION
2	04/14/2023 PLAN REVISION
3	03/15/2024 PCR UPDATES

GARAGE HANDING
GARAGE LEFT

PLAN NAME
MERCER
 NPC PLAN NUMBER
1385.302
 LAWSON PLAN ID

SHEET
A3-HR102
2FB4.3





UPGRADED DOOR OPTION

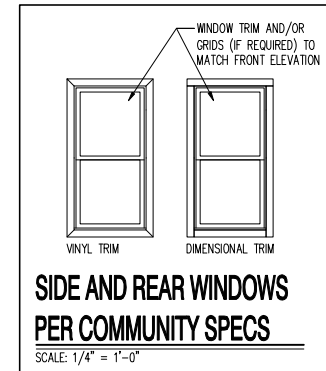
SCALE: 1/4" = 1'-0"

ATTIC VENT SCHEDULE			
HR204 2-CAR FRONT ENTRY	ROOF AREA 'A'	ROOF AREA 'B'	
ATTIC AREA (SF)	1397	193	
TOTAL NET FREE VENTED AREA REQ.	671 IN ²	93 IN ²	
LOW - REQUIRED (*)	335 IN ²	46 IN ²	
LOW - ACTUAL w/ EAVE VENTS (**)	336 IN ² 12 EAVE VENTS	54 IN ² 2 EAVE VENTS	
LOW - ACTUAL w/ CONTINUOUS VENTED SOFFITS (**)	340 IN ² 34 LINEAR FEET	50 IN ² 5 LINEAR FEET	
HIGH - REQUIRED (*)	335 IN ²	46 IN ²	
HIGH - ACTUAL w/ POT VENTS (***)	366 IN ² 6 VENTS	61 IN ² 1 VENTS	
HIGH - ACTUAL w/ CONT. RIDGE VENTS (***)	342 IN ² 19 LF	54 IN ² 3 LF	

* REQUIRED NET FREE VENTED AREA IS CALCULATED BY MULTIPLYING THE ATTIC AREA (FT²) BY 1/300 AND THEN MULTIPLYING BY 144 (CONVERTING FT² TO IN²). 50% OF TOTAL NET FREE VENTED AREA IS REQUIRED NEAR THE RIDGE (HIGH) AND 50% IS REQUIRED AT THE SOFFIT (LOW). WHEN BOTH (HIGH) & (LOW) AREN'T PROVIDED, THE REQ'D NET FREE AREA IS 1/150 OF THE ACTUAL AREA INSTEAD.

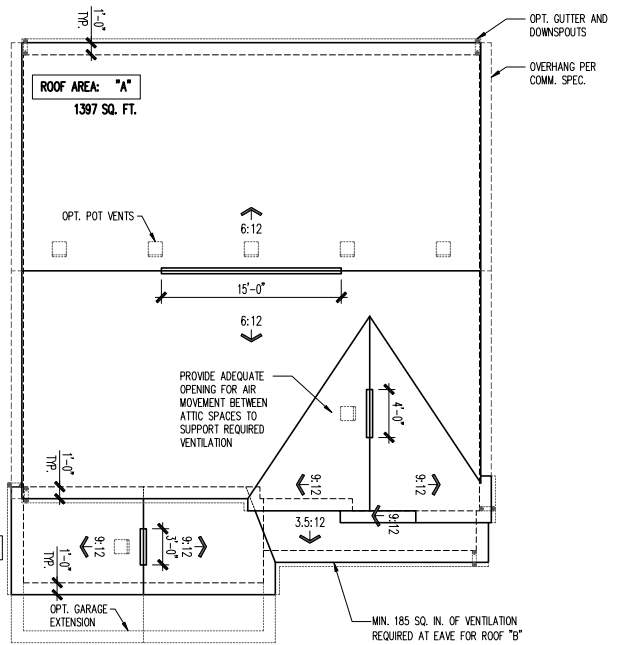
** ACTUAL NET FREE VENTED SOFFIT AREA IS CALCULATED BY DIVIDING THE REQUIRED (LOW) AREA BY THE MFRS STATED ACTUAL VENTED NET FREE AREA PER VENT:
 LOW OPT 1: EAVE VENTS = 28.0 IN²/VENT (OR)
 LOW OPT 2: CONT. VENTED SOFFITS = 10.0 IN²/LINEAR FT

*** ACTUAL NET FREE VENTED RIDGE AREA IS CALCULATED BY DIVIDING THE REQUIRED (HIGH) AREA BY THE MFRS STATED ACTUAL VENTED NET AREA PER VENT:
 HIGH OPT 1: POT ROOF VENTS = 61.0 IN²/VENT (OR)
 HIGH OPT 2: CONT. RIDGE VENTS = 18.0 IN²/LINEAR FT



SIDE AND REAR WINDOWS PER COMMUNITY SPECS

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



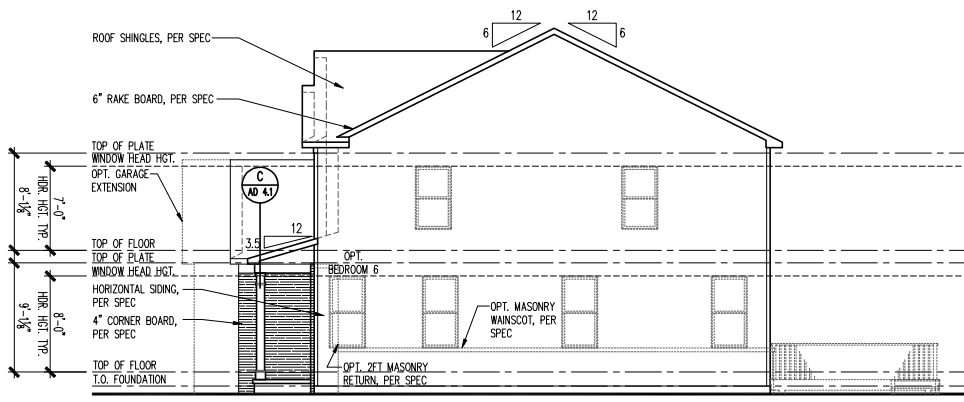
ROOF PLAN

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



FRONT ELEVATION - HR204

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



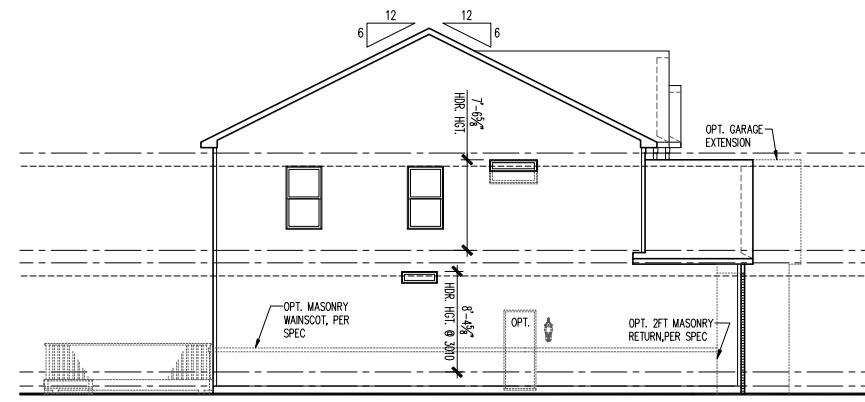
RIGHT ELEVATION

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



REAR ELEVATION

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



LEFT ELEVATION

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

NOTE: SCALES NOTED ON DRAWINGS RELATE TO FULL SIZE PLOTS ON 22x34 SHEETS - 11x17 SHEETS REPRESENT 1/2 SCALE PLOTS

North Area
 1900 E. Golf Road, Suite 300
 Schaumburg, Illinois 60173



Heartland 204
 2 Car Front Entry
 Front, Side and Rear Elevations, Roof Plan and Ventilation Schedule

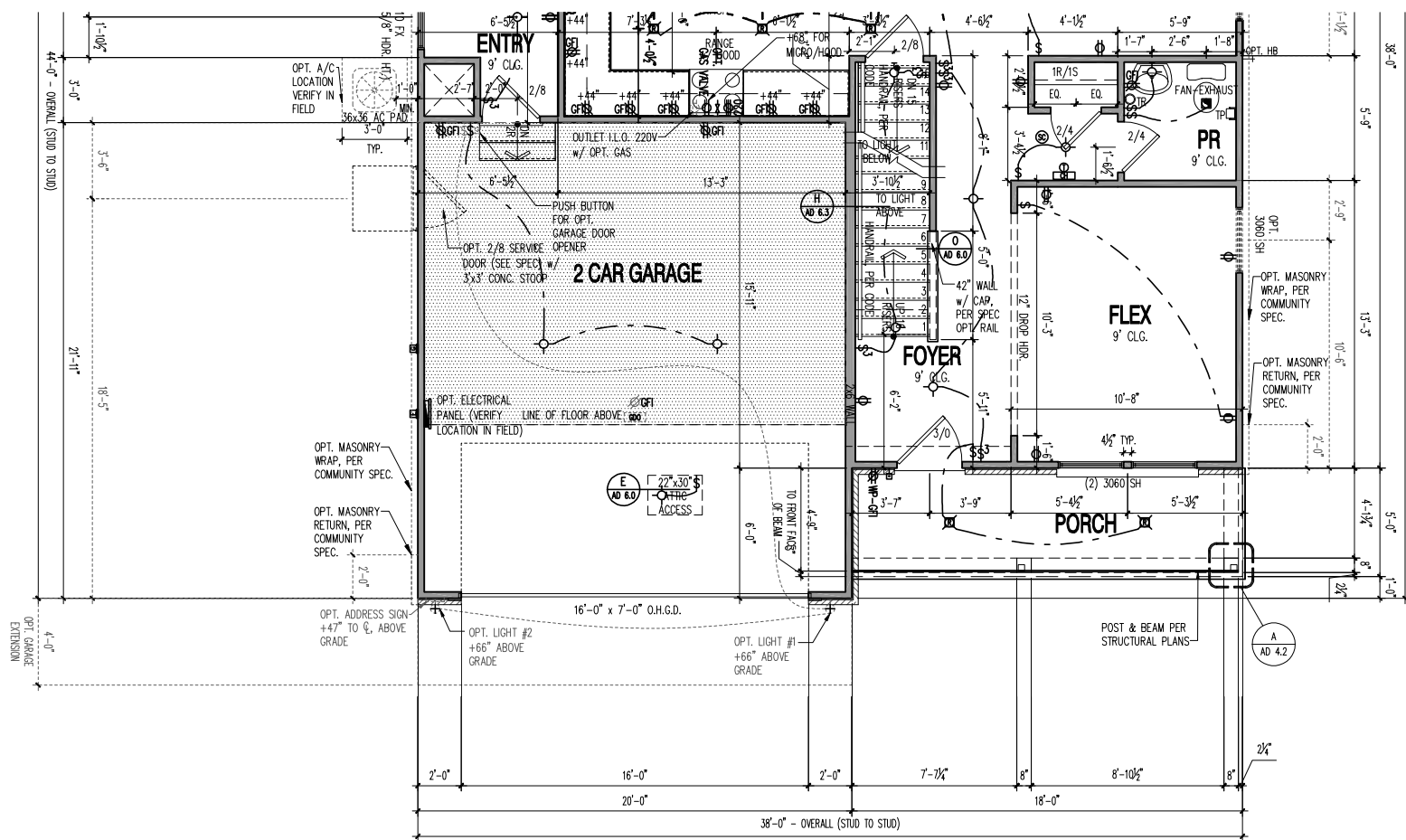
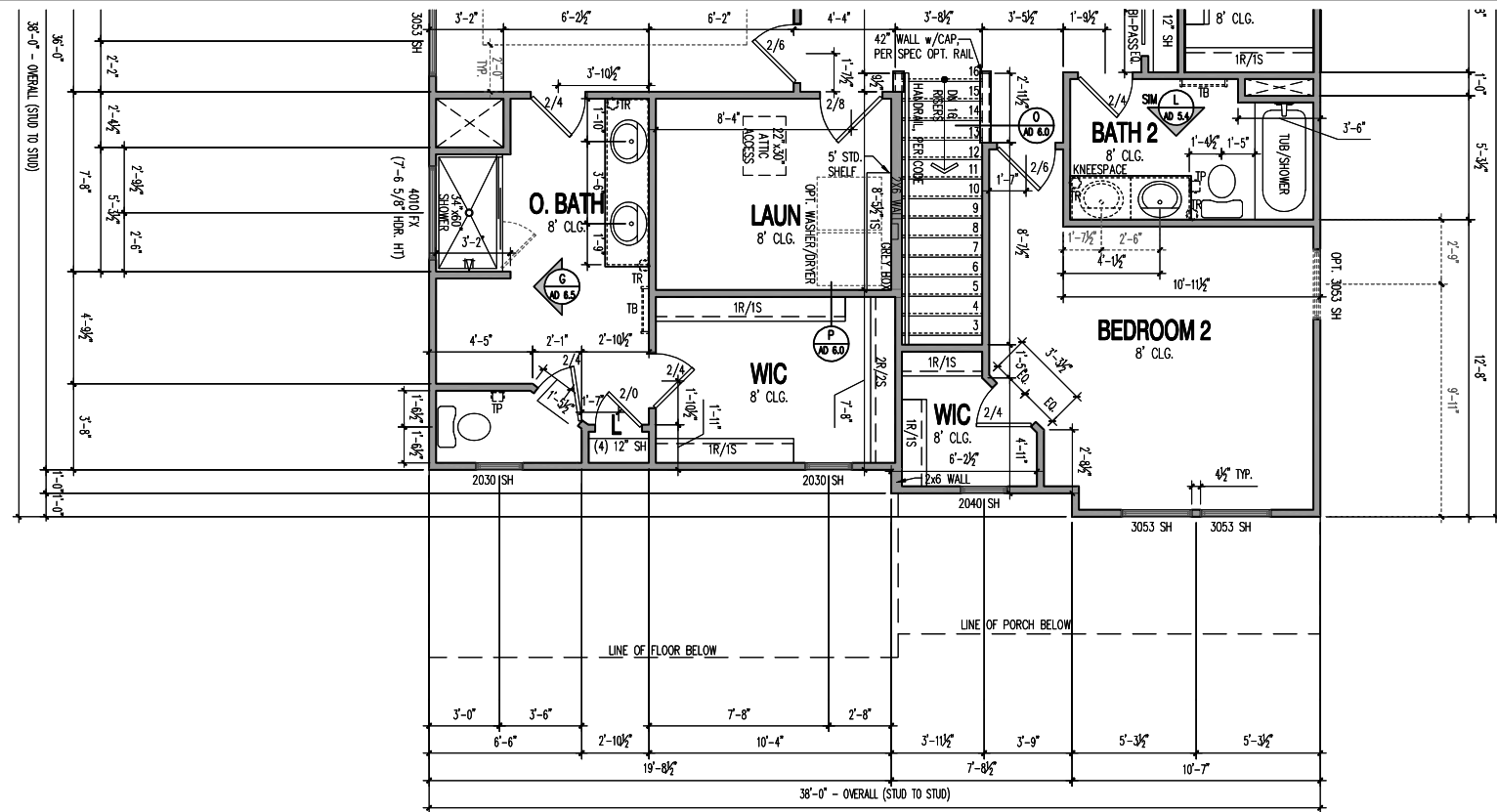
PRODUCTION MANAGER
 Rick Storkey
 INITIAL RELEASE DATE:
 01/31/2022
 CURRENT RELEASE DATE:
 03/15/2024

REV #	DATE / DESCRIPTION
06/03/2022	PLAN REVISION
04/14/2023	PLAN REVISION
03/15/2024	PCR UPDATES

GARAGE HANDING
GARAGE LEFT

PLAN NAME
MERCER
 NPC PLAN NUMBER
1385.302
 LAWSON PLAN ID

SHEET
A3-HR204
2FB.1



ROOM NAME	AREA (SF)	LIGHT 8%		VENT 4%		MECH (CFM)	
		REQ	ACT	REQ	ACT	REQ	ACT
KITCHEN / GATHERING ROOM	615.8	49.3	82.5	24.6	36.9	---	---
BATH 2	59.0	4.7	*	2.4	**	69.0	80
OWNER'S SUITE	275.2	22.0	35.1	11.0	17.7	---	---
OWNER'S BATH	108.7	8.7	2.0*	4.3	**	127.2	140
BEDROOM 2	165.4	13.2	23.4	6.6	11.8	---	---
BEDROOM 3	139.6	11.2	11.7	5.6	5.9	---	---
LAUNDRY	82.0	6.6	*	3.3	**	95.9	100
BEDROOM 4	138.2	11.1	11.7	5.5	5.9	---	---
LOFT	146.0	11.7	23.4	5.8	11.8	---	---
FLEX	127.7	10.2	27.4	5.1	11.8	---	---
BEDROOM 6	112.1	9.0	27.4	4.5	11.8	---	---
BATH 6	44.9	3.6	*	1.8	**	52.5	60
SUNROOM	110.8	8.9	82.5	4.4	36.9	---	---
KITCHEN / GATHERING ROOM EXTENSION	672.2	53.8	82.5	26.9	36.9	---	---
BEDROOM 7	129.8	10.4	12.2	5.2	6.7	---	---
BATH 7	43.8	3.5	*	1.8	**	51.2	60

* ARTIFICIAL LIGHT
 ** BATH FAN REQ: LxWxH OF ROOM x 0.13 = MIN. CFM RATING REQUIRED
 THE TABLE ABOVE SHOWS CALCULATIONS THAT APPLY FOR ALL ELEVATIONS, U.N.O.
 *** DWELLING WILL BE EQUIPPED WITH WHOLE HOUSE MECHANICAL VENTILATION SYSTEM INSTALLED PER IRC SECTION M1505.

BASE HOUSE - HEATED	
FIRST FLOOR	1130
SECOND FLOOR	1378
TOTAL BASE HEATED	2508
BASE HOUSE - UNDER ROOF	
GARAGE - 2 CAR FRONT ENTRY	434
BASEMENT	1057
TOTAL BASE UNDER ROOF	1564
OPTIONS	
SUNROOM	120
GARAGE - 3 CAR FRONT ENTRY	656
GARAGE - 2 CAR SIDE ENTRY	460

ELEVATION HR204	
ADDITIONAL 1ST FLOOR - HEATED	0
TOTAL 1ST FLOOR	1130
ADDITIONAL 2ND FLOOR - HEATED	0
TOTAL 2ND FLOOR	0
TOTAL ELEV. HEATED	1130
ADDITIONAL GARAGE - 2 CAR FRONT	0
TOTAL GARAGE	434
ADDITIONAL BASEMENT	0
TOTAL BASEMENT	1057
FRONT PORCH	90
TOTAL ELEV. FOOTPRINT	1654

LIGHT & VENT SCHEDULE		ELEVATION HR204					
ROOM NAME	AREA (SF)	LIGHT 8%		VENT 4%		MECH (CFM)	
		REQ	ACT	REQ	ACT	REQ	ACT
FLEX	127.7	10.2	27.4	5.1	11.8	---	---
BEDROOM 2	165.4	13.2	23.4	6.6	11.8	---	---

* ARTIFICIAL LIGHT
 ** FAN REQ: LxWxH OF ROOM x 0.13 = MIN. CFM RATING REQUIRED
 THE TABLE ABOVE SHOWS CALCULATIONS THAT APPLY FOR ALL ELEVATIONS, U.N.O.
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 REFER TO BASE "LIGHT & VENT SCHEDULE" FOR REMAINING ROOMS

NOTE: SCALES NOTED ON DRAWINGS RELATE TO FULL SIZE PLOTS ON 22x34 SHEETS - 11x17 SHEETS REPRESENT 1/2 SCALE PLOTS

North Area
 1900 E. Golf Road, - Suite 300
 Schaumburg, Illinois 60173



Heartland 204
 2 Car Front Entry
 Partial Floor Plan - 2x4 Exterior Walls

PRODUCTION MANAGER
 Rick Storkey
 INITIAL RELEASE DATE:
 01/31/2022
 CURRENT RELEASE DATE:
 03/15/2024

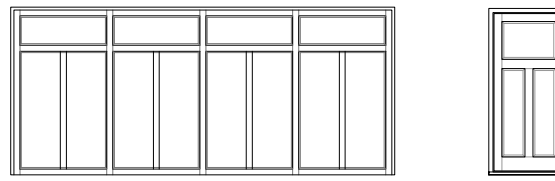
REV #	DATE / DESCRIPTION
1	06/03/2022 PLAN REVISION
2	04/14/2023 PLAN REVISION
3	03/15/2024 PCR UPDATES

GARAGE HANDING
GARAGE LEFT

PLAN NAME
MERCER
 NPC PLAN NUMBER
1385.302
 LAWSON PLAN ID

SHEET
A3-HR204
2FB4.3





UPGRADED DOOR OPTION

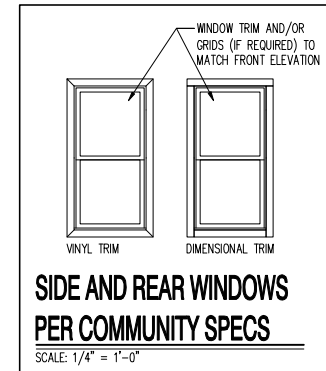
SCALE: 1/4" = 1'-0"

ATTIC VENT SCHEDULE			
HR207 2-CAR FRONT ENTRY	ROOF AREA 'A'	ROOF AREA 'B'	
ATTIC AREA (SF)	1397	193	
TOTAL NET FREE VENTED AREA REQ.	671 IN ²	93 IN ²	
LOW - REQUIRED (*)	335 IN ²	46 IN ²	
LOW - ACTUAL W/ EAVE VENTS (**)	336 IN ² 12 EAVE VENTS	54 IN ² 2 EAVE VENTS	
LOW - ACTUAL W/ CONTINUOUS VENTED SOFFITS (**)	340 IN ² 34 LINEAR FEET	50 IN ² 5 LINEAR FEET	
HIGH - REQUIRED (*)	335 IN ²	46 IN ²	
HIGH - ACTUAL W/ POT VENTS (***)	366 IN ² 6 VENTS	61 IN ² 1 VENTS	
HIGH - ACTUAL W/ CONT. RIDGE VENTS (***)	342 IN ² 19 LF	54 IN ² 3 LF	

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** ACTUAL NET FREE VENTED SOFFIT AREA IS CALCULATED BY DIVIDING THE REQUIRED (LOW) AREA BY THE MFRS STATED ACTUAL VENTED NET FREE AREA PER VENT:
 LOW OPT 1: EAVE VENTS = 28.0 IN²/VENT (OR)
 LOW OPT 2: CONT. VENTED SOFFITS = 10.0 IN²/LINEAR FT

*** ACTUAL NET FREE VENTED RIDGE AREA IS CALCULATED BY DIVIDING THE REQUIRED (HIGH) AREA BY THE MFRS STATED ACTUAL VENTED NET AREA PER VENT:
 HIGH OPT 1: POT ROOF VENTS = 61.0 IN²/VENT (OR)
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SIDE AND REAR WINDOWS PER COMMUNITY SPECS

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



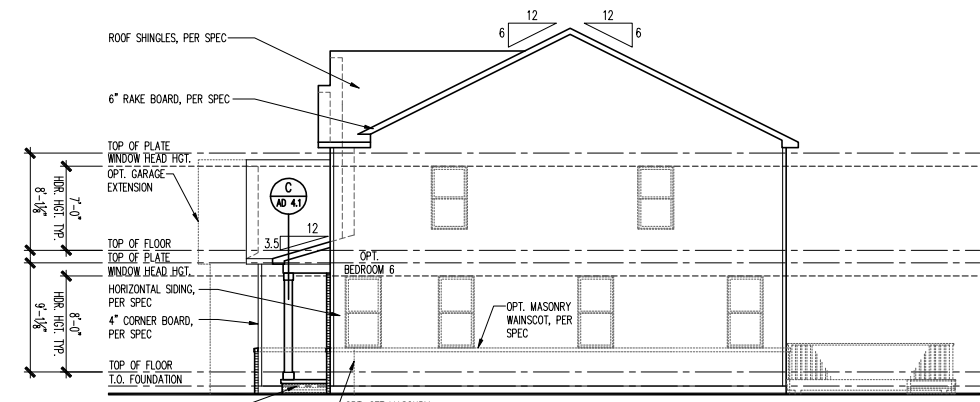
ROOF PLAN

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



FRONT ELEVATION - HR207

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



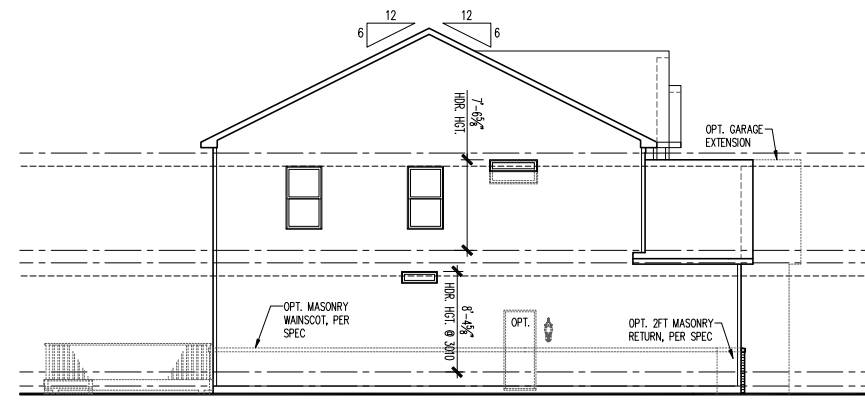
RIGHT ELEVATION

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



REAR ELEVATION

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



LEFT ELEVATION

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

NOTE: SCALES NOTED ON DRAWINGS RELATE TO FULL SIZE PLOTS ON 22x34 SHEETS - 11x17 SHEETS REPRESENT 1/2 SCALE PLOTS

North Area
 1900 E. Golf Road, - Suite 300
 Schaumburg, Illinois 60173



Heartland 207
 2 Car Front Entry
 Front, Side and Rear Elevations, Roof Plan and Ventilation Schedule

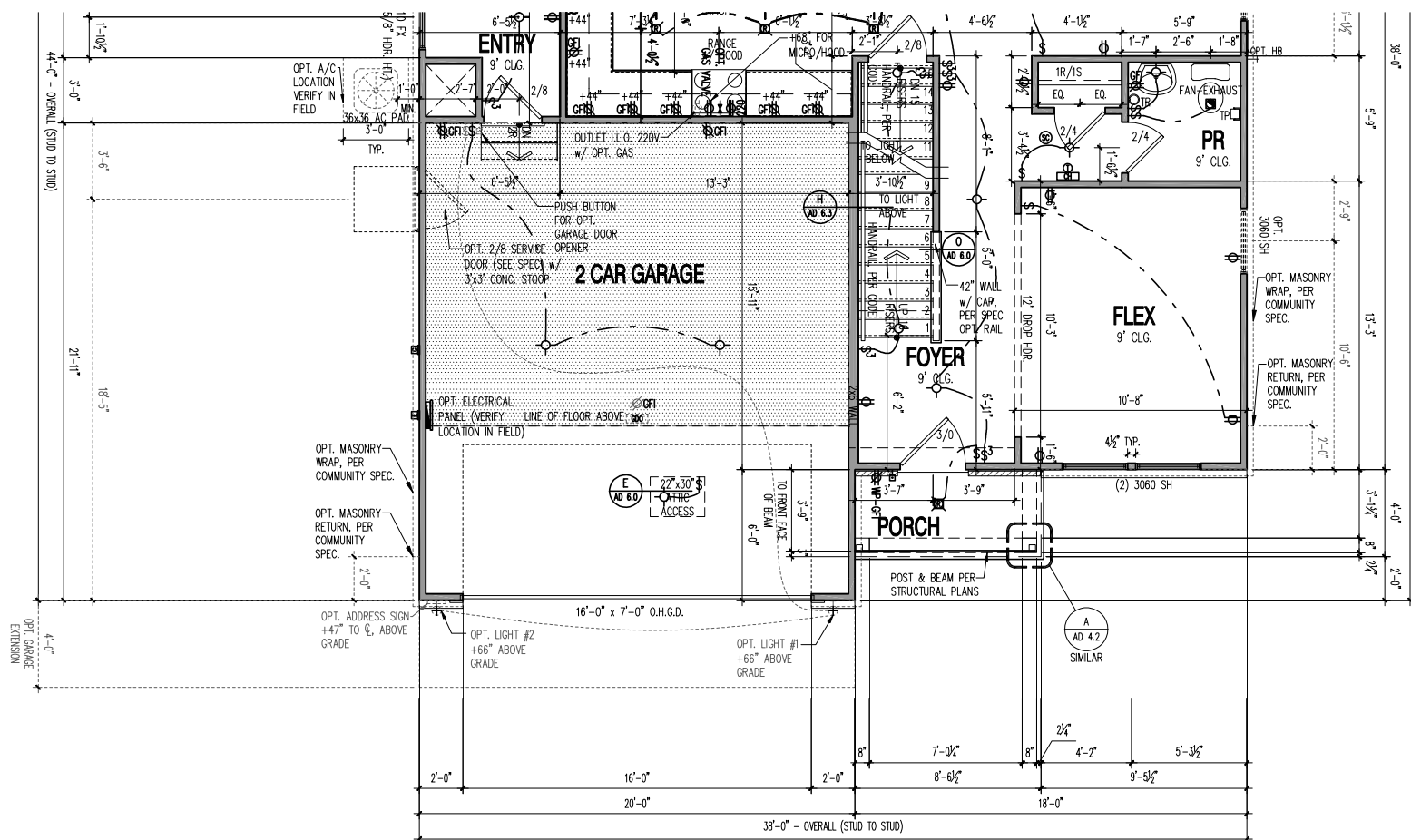
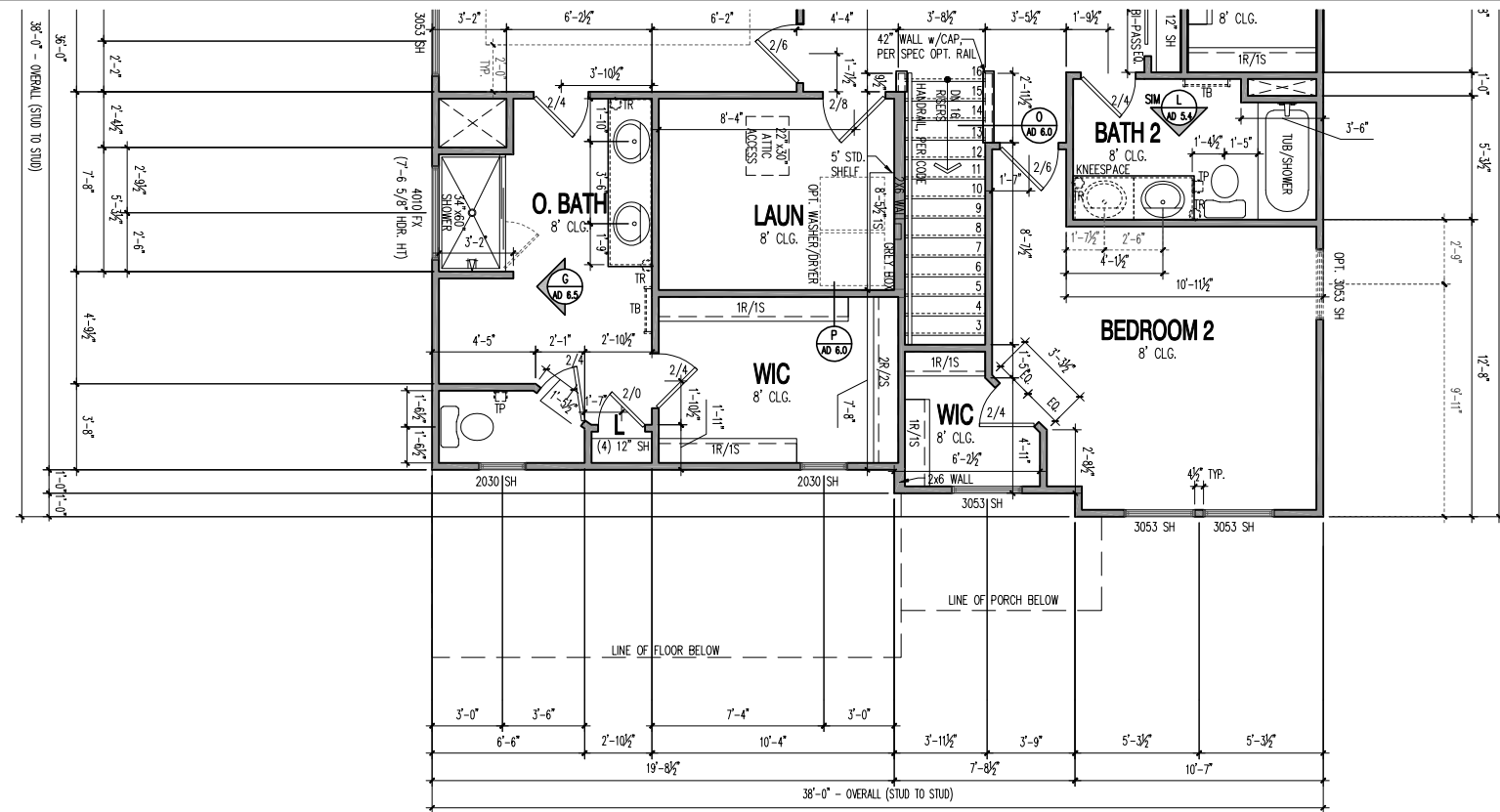
PRODUCTION MANAGER
 Rick Storkey
 INITIAL RELEASE DATE:
 01/31/2022
 CURRENT RELEASE DATE:
 03/15/2024

REV #	DATE / DESCRIPTION
06/03/2022	PLAN REVISION
04/14/2023	PLAN REVISION
03/15/2024	PCR UPDATES

GARAGE HANDING
GARAGE LEFT

PLAN NAME
MERCER
 NPC PLAN NUMBER
1385.302
 LAWSON PLAN ID

SHEET
A3-HR207
2FB.1



ROOM NAME	AREA (SF)	LIGHT 8%		VENT 4%		MECH (CFM)	
		REQ	ACT	REQ	ACT	REQ	ACT
KITCHEN / GATHERING ROOM	615.8	49.3	82.5	24.6	36.9	---	---
BATH 2	59.0	4.7	*	2.4	**	69.0	80
OWNER'S SUITE	275.2	22.0	35.1	11.0	17.7	---	---
OWNER'S BATH	108.7	8.7	2.0*	4.3	**	127.2	140
BEDROOM 2	165.4	13.2	23.4	6.6	11.8	---	---
BEDROOM 3	139.6	11.2	11.7	5.6	5.9	---	---
LAUNDRY	82.0	6.6	*	3.3	**	95.9	100
BEDROOM 4	138.2	11.1	11.7	5.5	5.9	---	---
LOFT	146.0	11.7	23.4	5.8	11.8	---	---
FLEX	127.7	10.2	27.4	5.1	11.8	---	---
BEDROOM 6	112.1	9.0	27.4	4.5	11.8	---	---
BATH 6	44.9	3.6	*	1.8	**	52.5	60
SUNROOM	110.8	8.9	82.5	4.4	36.9	---	---
KITCHEN / GATHERING ROOM EXTENSION	672.2	53.8	82.5	26.9	36.9	---	---
BEDROOM 7	129.8	10.4	12.2	5.2	6.7	---	---
BATH 7	43.8	3.5	*	1.8	**	51.2	60

* ARTIFICIAL LIGHT
 ** BATH FAN REQ: LxWxH OF ROOM x 0.13 = MIN. CFM RATING REQUIRED
 THE TABLE ABOVE SHOWS CALCULATIONS THAT APPLY FOR ALL ELEVATIONS, U.N.O.
 *** DWELLING WILL BE EQUIPPED WITH WHOLE HOUSE MECHANICAL VENTILATION SYSTEM INSTALLED PER IRC SECTION M1505.

BASE HOUSE - HEATED	
FIRST FLOOR	1130
SECOND FLOOR	1378
TOTAL BASE HEATED	2508
BASE HOUSE - UNDER ROOF	
GARAGE - 2 CAR FRONT ENTRY	434
BASEMENT	1057
TOTAL BASE UNDER ROOF	1564
OPTIONS	
SUNROOM	120
GARAGE - 3 CAR FRONT ENTRY	656
GARAGE - 2 CAR SIDE ENTRY	460

ELEVATION HR207	
ADDITIONAL 1ST FLOOR - HEATED	0
TOTAL 1ST FLOOR	1130
ADDITIONAL 2ND FLOOR - HEATED	0
TOTAL 2ND FLOOR	0
TOTAL ELEV. HEATED	1130
ADDITIONAL GARAGE - 2 CAR FRONT	0
TOTAL GARAGE	434
ADDITIONAL BASEMENT	0
TOTAL BASEMENT	1057
FRONT PORCH	34
TOTAL ELEV. FOOTPRINT	1598

LIGHT & VENT SCHEDULE		ELEVATION HR207					
ROOM NAME	AREA (SF)	LIGHT 8%		VENT 4%		MECH (CFM)	
		REQ	ACT	REQ	ACT	REQ	ACT
FLEX	127.7	10.2	27.4	5.1	11.8	---	---
BEDROOM 2	165.4	13.2	23.4	6.6	11.8	---	---

* ARTIFICIAL LIGHT
 ** FAN REQ: LxWxH OF ROOM x 0.13 = MIN. CFM RATING REQUIRED
 THE TABLE ABOVE SHOWS CALCULATIONS THAT APPLY FOR ALL ELEVATIONS, U.N.O.
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 REFER TO BASE "LIGHT & VENT SCHEDULE" FOR REMAINING ROOMS

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Heartland 207
 2 Car Front Entry
 Partial Floor Plan - 2x4 Exterior Walls

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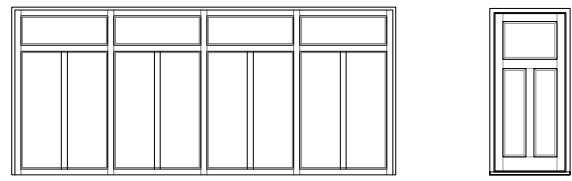
REV #	DATE / DESCRIPTION
1	06/03/2022 PLAN REVISION
2	04/14/2023 PLAN REVISION
3	03/15/2024 PCR UPDATES

GARAGE HANDING
GARAGE LEFT

PLAN NAME
MERCER
 NPC PLAN NUMBER
1385.302
 LAWSON PLAN ID

SHEET
A3-HR207
2FB4.3





UPGRADED DOOR OPTION

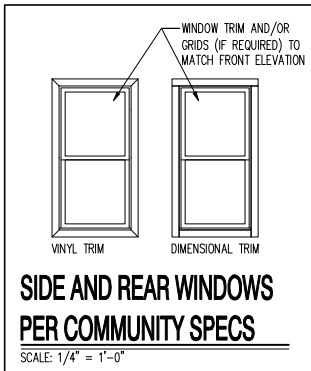
SCALE: 1/4" = 1'-0"

ATTIC VENT SCHEDULE			
HR208 2-CAR FRONT ENTRY	ROOF AREA 'A'	ROOF AREA 'B'	
ATTIC AREA (SF)	1397	193	
TOTAL NET FREE VENTED AREA REQ.	671 IN ²	93 IN ²	
LOW - REQUIRED (*)	335 IN ²	46 IN ²	
LOW - ACTUAL w/ EAVE VENTS (**)	336 IN ² 12 EAVE VENTS	54 IN ² 2 EAVE VENTS	
LOW - ACTUAL w/ CONTINUOUS VENTED SOFFITS (**)	340 IN ² 34 LINEAR FEET	50 IN ² 5 LINEAR FEET	
HIGH - REQUIRED (*)	335 IN ²	46 IN ²	
HIGH - ACTUAL w/ POT VENTS (***)	366 IN ² 6 VENTS	61 IN ² 1 VENTS	
HIGH - ACTUAL w/ CONT. RIDGE VENTS (***)	342 IN ² 19 LF	54 IN ² 3 LF	

* REQUIRED NET FREE VENTED AREA IS CALCULATED BY MULTIPLYING THE ATTIC AREA (FT²) BY 1/300 AND THEN MULTIPLYING BY 144 (CONVERTING FT² TO IN²). 50% OF TOTAL NET FREE VENTED AREA IS REQUIRED NEAR THE RIDGE (HIGH) AND 50% IS REQUIRED AT THE SOFFIT (LOW). WHEN BOTH (HIGH) & (LOW) ARENT PROVIDED, THE REQ'D NET FREE AREA IS 1/150 OF THE ACTUAL AREA INSTEAD.

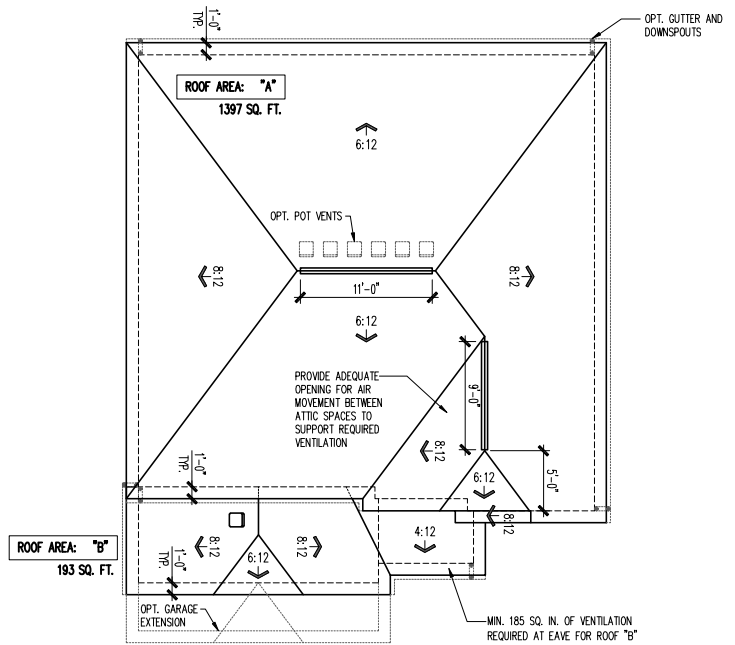
** ACTUAL NET FREE VENTED SOFFIT AREA IS CALCULATED BY DIVIDING THE REQUIRED (LOW) AREA BY THE MFRS STATED ACTUAL VENTED NET FREE AREA PER VENT:
 LOW OPT 1: EAVE VENTS = 28.0 IN²/VENT (OR)
 LOW OPT 2: CONT. VENTED SOFFITS = 10.0 IN²/LINEAR FT

*** ACTUAL NET FREE VENTED RIDGE AREA IS CALCULATED BY DIVIDING THE REQUIRED (HIGH) AREA BY THE MFRS STATED ACTUAL VENTED NET AREA PER VENT:
 HIGH OPT 1: POT ROOF VENTS = 61.0 IN²/VENT (OR)
 HIGH OPT 2: CONT. RIDGE VENTS = 18.0 IN²/LINEAR FT



SIDE AND REAR WINDOWS PER COMMUNITY SPECS

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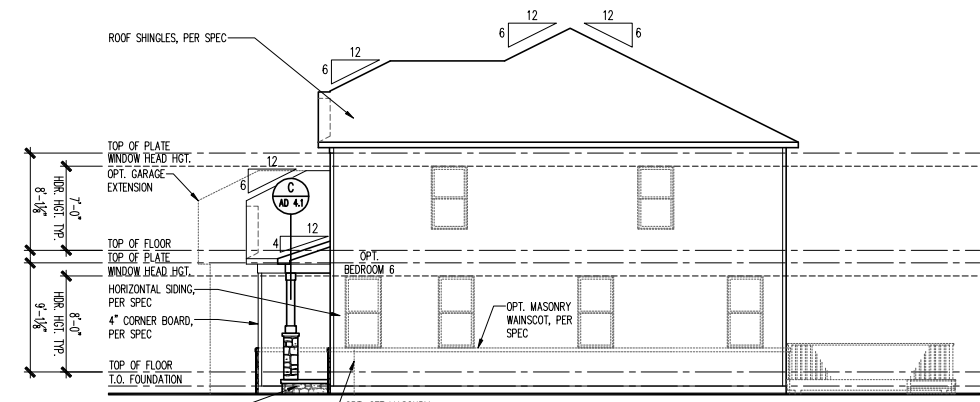
ROOF PLAN

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



FRONT ELEVATION - HR208

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



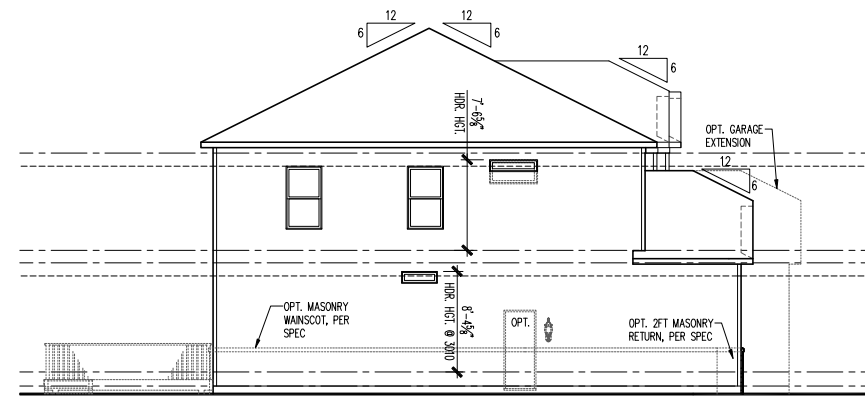
RIGHT ELEVATION

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



REAR ELEVATION

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



LEFT ELEVATION

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

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Heartland 208
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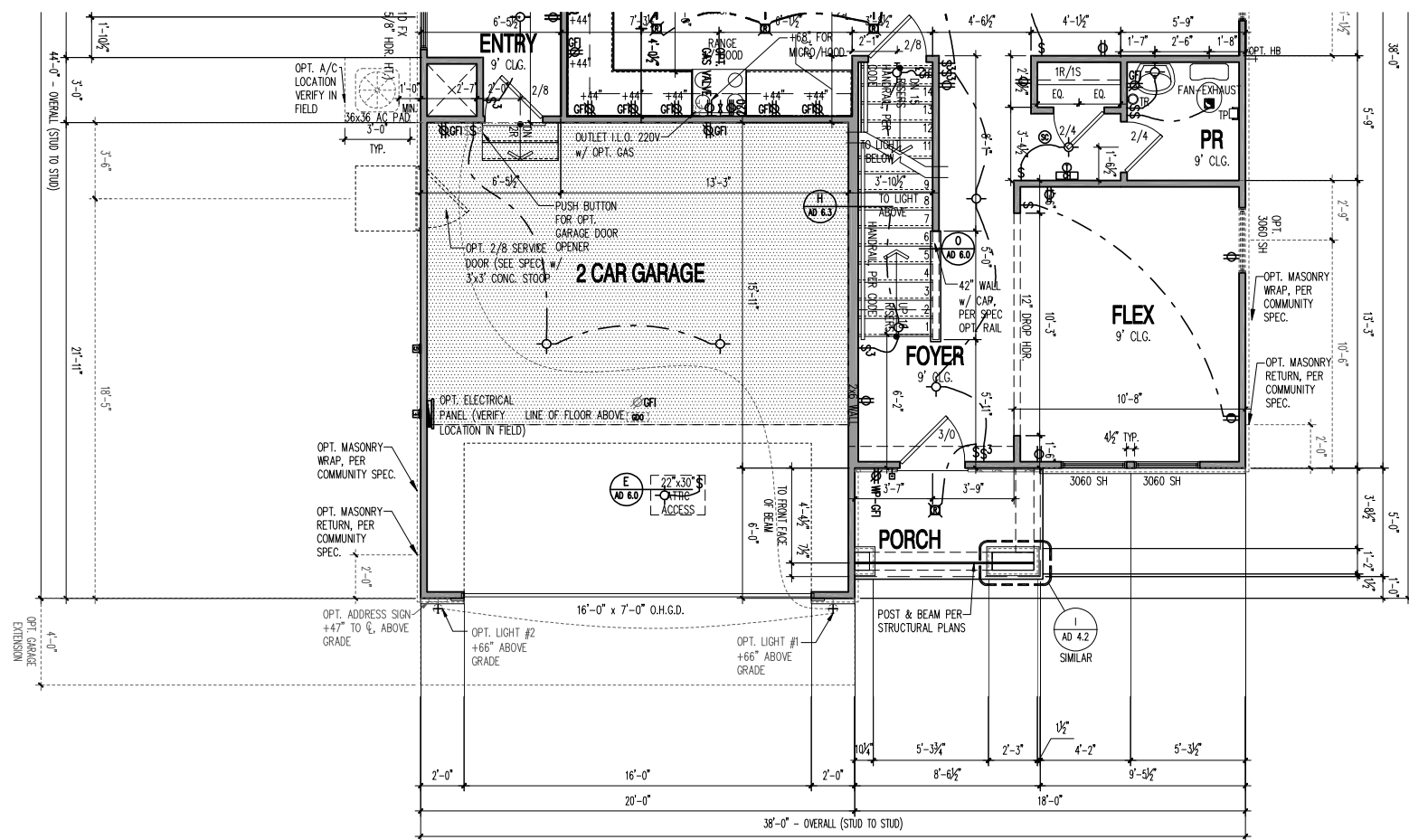
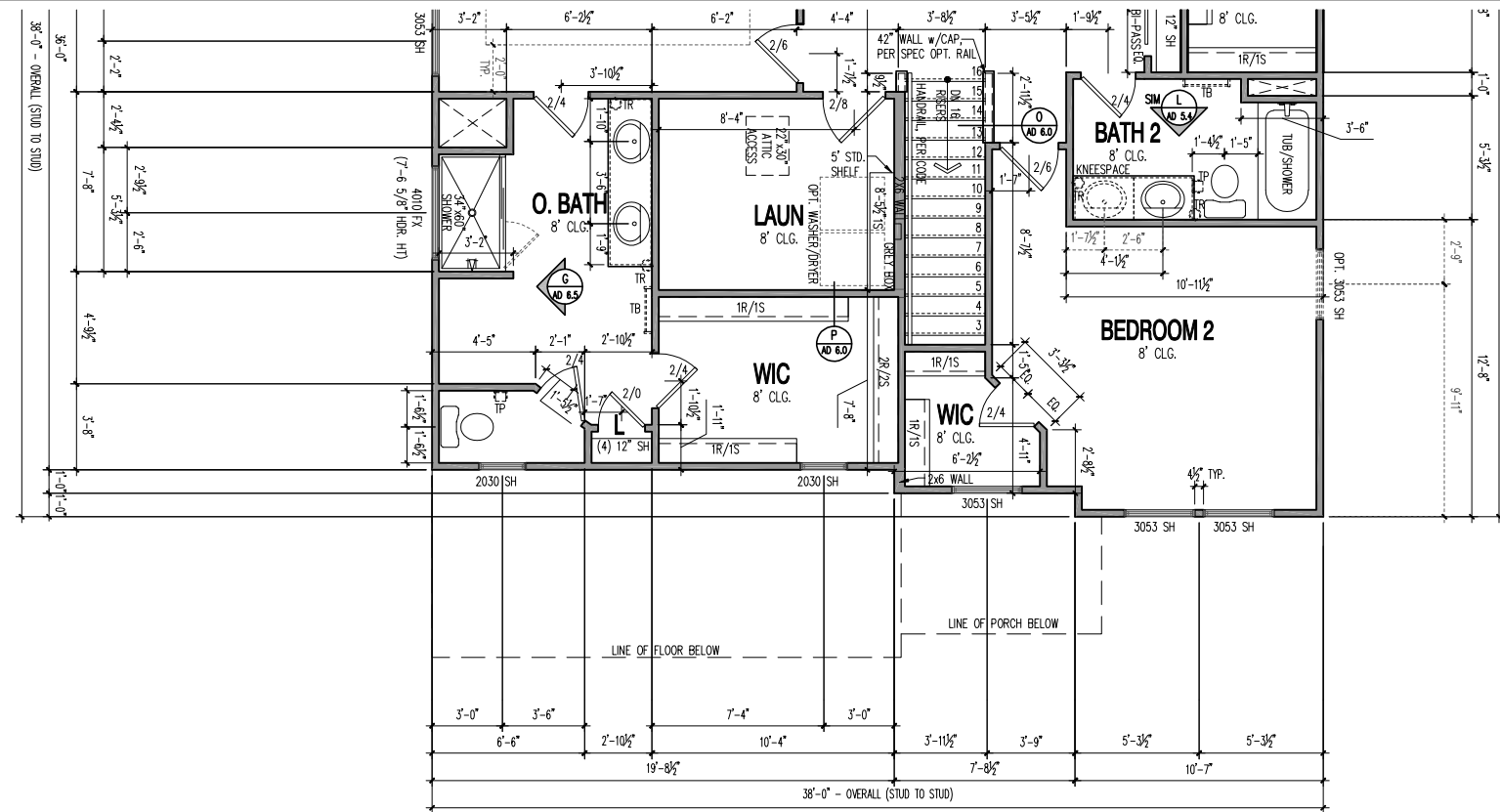
PRODUCTION MANAGER
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GARAGE HANDING
GARAGE LEFT

PLAN NAME
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 NPC PLAN NUMBER
1385.302
 LAWSON PLAN ID

SHEET
A3-HR208
2FB.1



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BEDROOM 2	165.4	13.2	23.4	6.6	11.8	---	---
BEDROOM 3	139.6	11.2	21.0	5.6	5.9	---	---
LAUNDRY	82.0	6.6	*	3.3	**	95.9	100
BEDROOM 4	138.2	11.1	11.7	5.5	5.9	---	---
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BASEMENT	1057
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ELEVATION HR208	
ADDITIONAL 1ST FLOOR - HEATED	0
TOTAL 1ST FLOOR	1130
ADDITIONAL 2ND FLOOR - HEATED	0
TOTAL 2ND FLOOR	0
TOTAL ELEV. HEATED	1130
ADDITIONAL GARAGE - 2 CAR FRONT	0
TOTAL GARAGE	434
ADDITIONAL BASEMENT	0
TOTAL BASEMENT	1057
FRONT PORCH	43
TOTAL ELEV. FOOTPRINT	1607

LIGHT & VENT SCHEDULE		ELEVATION HR208					
ROOM NAME	AREA (SF)	LIGHT 8%		VENT 4%		MECH (CFM)	
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GARAGE HANDING
GARAGE LEFT

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SHEET
A3-HR208
2FB4.3