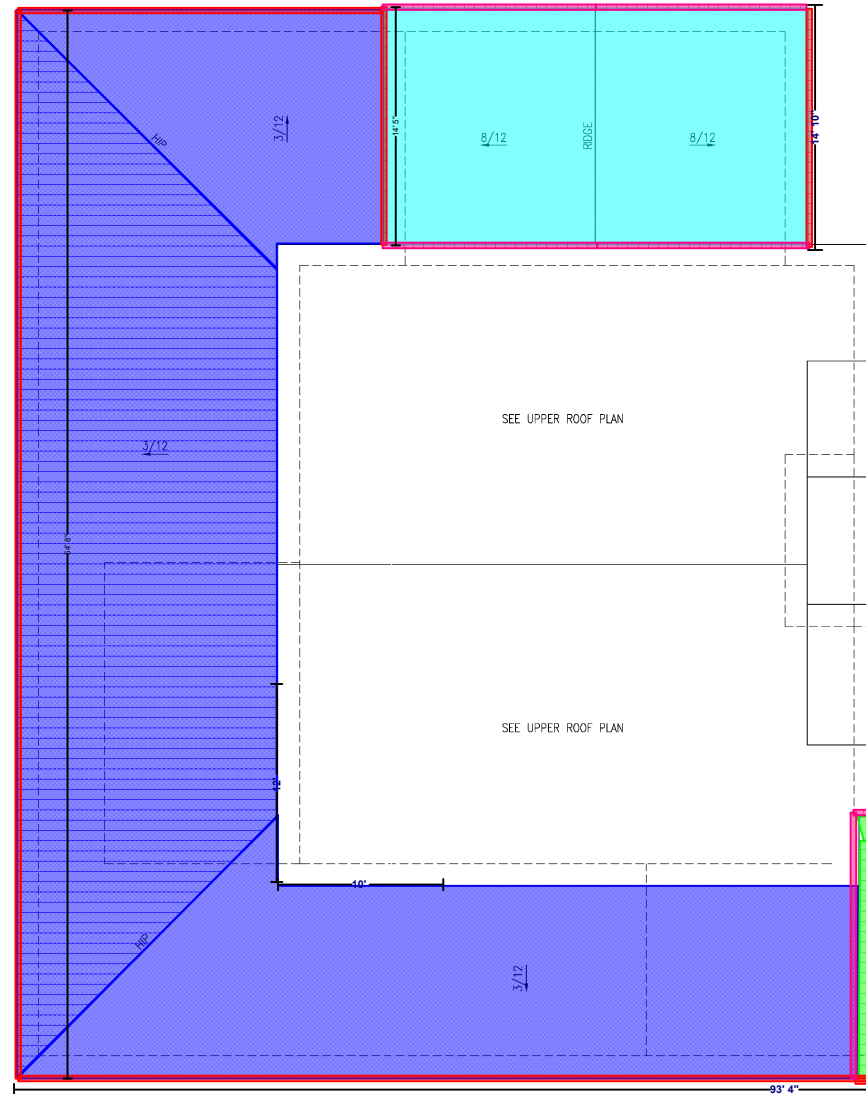


Project :- Griebel Residence**Location :- Weld County, CO****Estimate Date :- 11th August 2020****Estimator :- Tesbee Consultancy****Roofing Estimate**

	Description	Unit	Qunatity	Unit Rate	Amount
	Roofing				
	Downspouts				
1	Metal Downspout	L.ft	203	7.70	1,563.10
	Gutter				
2	Metal Gutter	L.ft	346	7.10	2,456.60
	Flashing				
3	Drip Edge Metal Flashing at Roof Edges	L.ft	546	4.50	2,457.00
4	continuous sheet metal self adhered flashng	L.ft	70	5.20	364.00
	Roof				
5	Standing Seam Metal Roofing	Sq.ft	1568	10.90	17,091.20
	#30 Felt underlayment (double layer sice the pitch is under 4:12	Sq.ft	1568	1.80	2,822.40
6	Asphalt Shingle Roof 8/12	Sq.ft	1804	3.10	5,592.40
	#30 Felt underlayment	Sq.ft	1804	0.90	1,623.60
7	Asphalt Shingle Roof 12/12	Sq.ft	1222	3.60	4,399.20
	#30 Felt underlayment	Sq.ft	1222	0.90	1,099.80
8	2 Layers of Ice barrier	L.ft	350	5.50	1,925.00
Sub Total					41,394.30
Insurance		3%			1,241.83
Overhead and Profit		22%			9,106.75
Total Amount					51,742.88

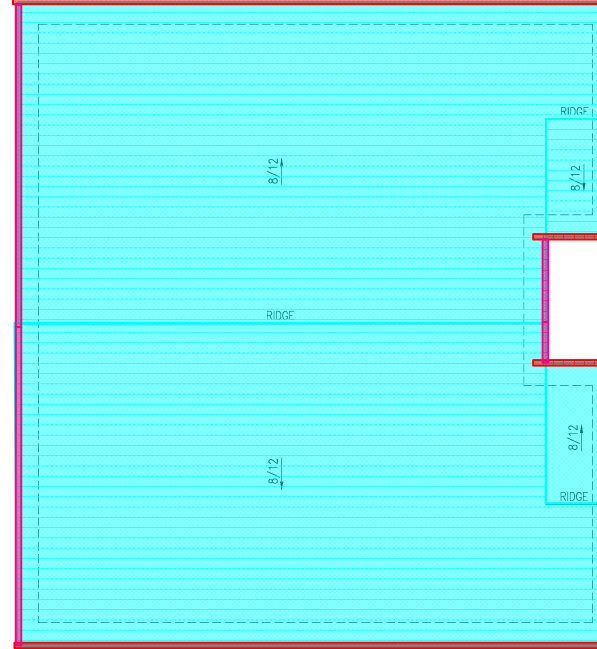
Note;

- 1 - Standing Seam Metal Roof - 3/12 - 1,568 SF
- 2 - Asphalt Shingle Roof 8/12 - 1,804 SF
- 3 - Asphalt Shingle Roof 12/12 - 1,222 SF
- 4 - Gutter and Flashing - 346 LF
- 5 - Flashing for Valley - 65 LF
- 8 - Drip edge Flashing - 194 LF

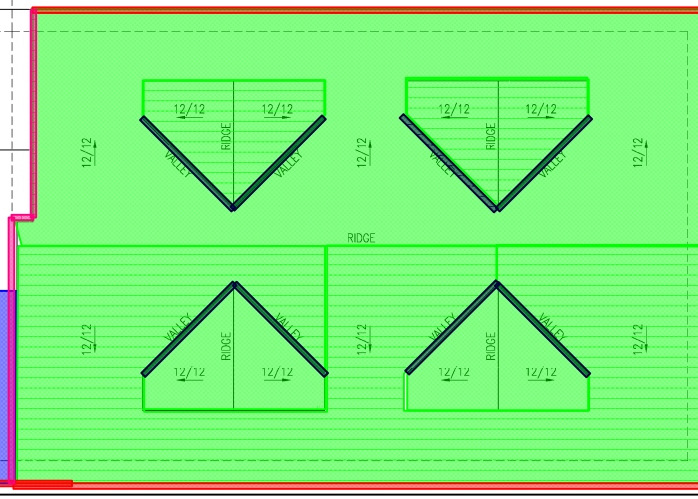


1
A1.2
LOWER ROOF PLAN
SCALE: 1/4" = 1'-0"

www.tesbee.ca



2
A1.2
UPPER ROOF PLAN
SCALE: 1/4" = 1'-0"



ROOF NOTES:
+1 416 856 6000 / +1 888 538 9374

1. ROOF VENTING REQUIREMENTS:
BLDG. AREA/300 = 4,464/300 = 14.88 S.F. VENT AREA (2,143 SQ. IN.)
PROVIDE MIN. 50% OF VENT AREA AT RIDGE, MAX. 80% SPECIFIED PRODUCTS INCLUDE COF-A-VENT (OR SIM.); SOFFIT VENT PS-400 = PROVIDES 10 SQ. IN. VENT AREA PER LF
RIDGE VENT V-300 = PROVIDES 13.5 SQ. IN. VENT AREA PER LF
2. ROOF ASSEMBLIES SHALL COMPLY WITH CHAPTER 9, IRC.
3. ROOF VENTILATION: ENCLOSED ATTICS AND ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. THE TOTAL NEW FREE VENTILATING AREA SHALL NOT BE LESS THAN 1 TO 150 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE TOTAL AREA IS PERMITTED TO BE REDUCED TO 1 TO 300 PROVIDED AT LEAST 50% AND NOT MORE THAN 30% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE THE EAVE OR CORNICE VENTS. SECTION R806, IRC.
4. WHEN THERE IS USABLE SPACE ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR-CEILING ASSEMBLY IN A SINGLE-FAMILY DWELLING, DRAFT STOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1000 S.F. PER SECTION R502.12, IRC.
5. WHERE RAFTERS AND CEILING JOISTS COMBINE TO FORM A DEPTH TO THICKNESS RATIO OF AT LEAST 3:1, THE ENDS MUST BE HELD IN POSITION BY SOLID BLOCKING. ALL TRUSSES MUST BE SUPPORTED Laterally AT POINTS OF BEARING BY SOLID BLOCKING.
6. FIRE BLOCKS ARE REQUIRED WITHIN STUD WALLS AT 10' INTERVALS AND AT THE FLOOR AND CEILING. FIRE BLOCKS ARE ALSO REQUIRED AT FLOOR AND CEILING PENETRATIONS AROUND VENTS, PIPES, DUCTS, ETC. THE INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES (SOFFITS), BETWEEN STAIRS STRINGERS, AND THE OPENINGS BETWEEN CHIMNEY CHASES AND ATTIC SPACES MUST BE FIRE STOPPED. FIRE BLOCKS MUST BE PROVIDED WITHIN UNFINISHED SIFFER-TYPE FLOOR SYSTEMS SO THAT NO AREA EXCEEDS 1000 S.F. FIRE BLOCK MATERIAL MAY BE 2" NOMINAL LUMBER GYP BOARD, ETC. SECURELY FASTENED IN PLACE. LOOSE-FILL INSULATION IS NOT ACCEPTABLE.
7. UNDERLAYMENT TO BE ONE LAYER OF 30# FELT OR (2) LAYERS OF 15# FELT.
8. ICE BARRIER: 2 LAYERS OF SELF ADHERED SHEETS SHALL BE INSTALLED AT ALL EAVES AND EXTEND FROM THE LOWEST EDGES OF ROOF SURFACES TO A POINT AT LEAST 24" INSIDE THE EXTERIOR WALL LINE OF THE BUILDING PER SEC.905.
9. ALL SHEET METAL ROOF PENETRATIONS TO BE PAINTED TO MATCH COLOR OF MOST ADJACENT ROOFING.
10. ALL VALLEYS TO HAVE CONTINUOUS SHEET METAL / SELF ADHERED FLASHING OR EQUIV. THEY MUST BE A CLOSED TYPE INSTALLATION.
11. DISCHARGE DOWNSPOUTS A MINIMUM OF 5' AWAY FROM FOUNDATION.
12. ALL ROOF PENETRATIONS SHALL BE COMPLETED PRIOR TO ROOF INSTALLATION & SEALED WATER-TIGHT.
13. COORDINATE LOCATIONS OF ALL VENTS AND EXHAUST OPENING NOT TO BE LOCATED IN VALLEYS OR ON RIDGES.
14. ALL ROOF FLASHING, GUTTERS & DOWNSPOUTS SHALL BE 24 GA. PREFINISHED METAL, IN COLORS AS SELECTED BY OWNER.
15. INSTALL GUTTERS AND DOWNSPOUTS PER COUNTY REQUIREMENTS.
16. INSTALL DOUBLE UNDERLAYMENT AT ALL ROOFS UNDER 4:12 PITCH.

DRAWING SCALES
0 4' 8' 16'
SCALE: 1/8" = 1'-0"



ROOF PLANS

GRIEBEL RESIDENCE

PARCEL NO. 1313320008, LOT A OF RECORDED EXEMPTION RECX 17-0091
A PART OF THE NW 1/4 OF SECTION 33, T2N, R88W OF THE 6TH PM
WELD COUNTY, CO

THIS STAMP IS INVALID WITHOUT AN ORIGINAL WET SIGNATURE

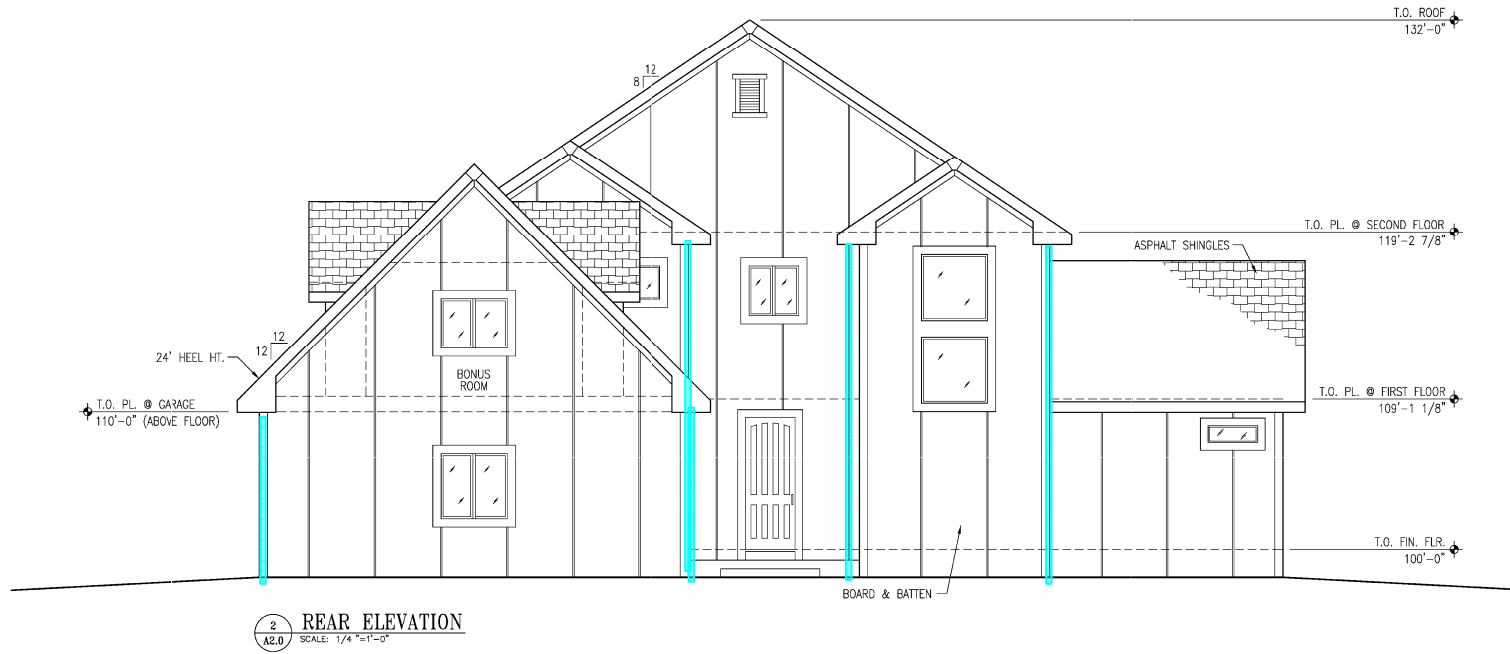
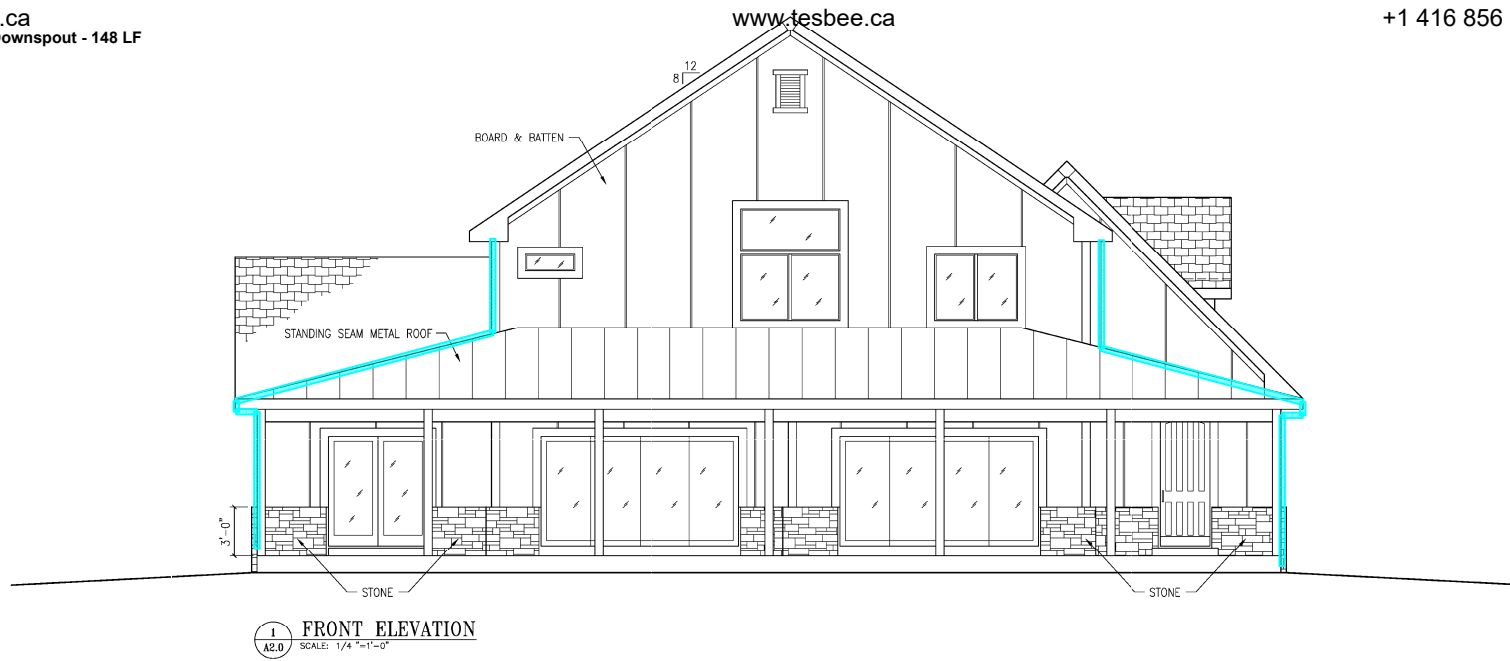
NO.	REVISION	RECORD	DATE	BY
0	REWORK		8/16/2020	HPD

JOB NO. 18-8252
DRAWING: CWF
CHECKED: TWS/CEV/DW
DESIGNER: DW

ISSUE DATE: 8/16/2020

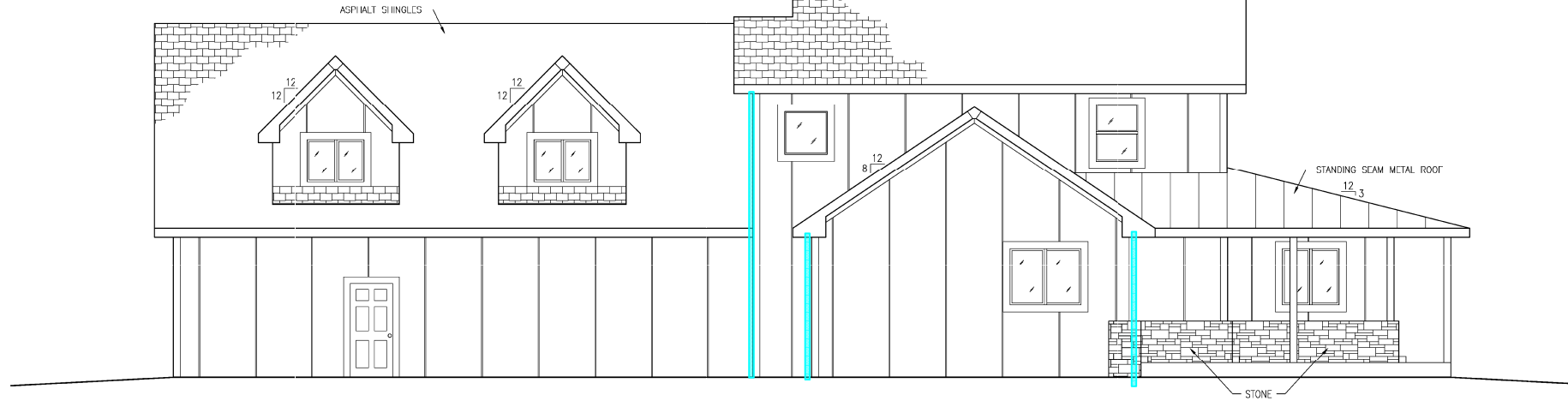
SHEET

A1.2

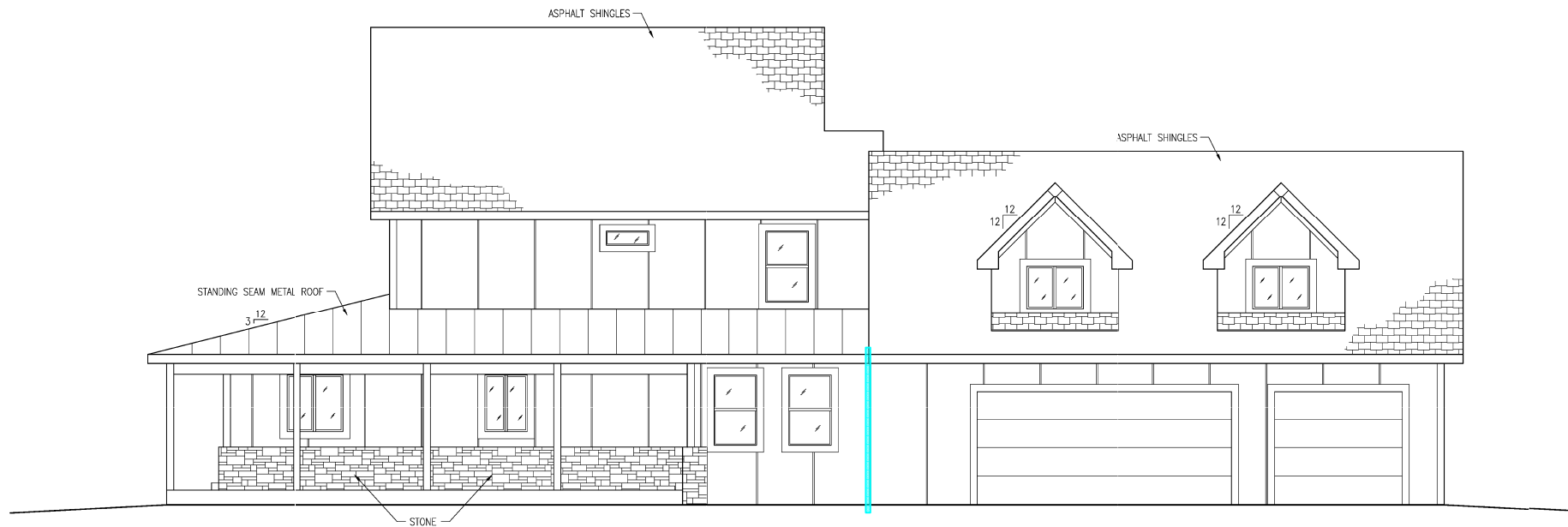


DRAWING SCALES
0 2' 4' 8'
SCALE: 1/4" = 1'-0"

THIS STAMP IS INVALID WITHOUT AN ORIGINAL WET SIGNATURE			
NO.	REVISION	DATE	BY
0	REVISION	8/16/2020	HPD
JOB NO.: 18-8252			
DRAWING: CKF			
CHECKED: TMS/CEV/DW			
DESIGNED: DW			
ISSUE DATE: 8/16/2020			
SHEET:			
A2.0			



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



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

DRAWING SCALES
0 2' 4' 8'
SCALE: 1/4" = 1'-0"

THIS STAMP IS INVALID WITHOUT AN ORIGINAL WET SIGNATURE			
NO.	REVISION	DATE	BY
0	PERMIT	8/16/2020	HPTD
1	REVISION		
2	RECORD		
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

JOB NO: 18-8252
DRAWN: CWF
CHECKED: TMS/CEV/DW
DESIGNER: DW
ISSUE DATE: 8/16/2020
SHEET: A2.1