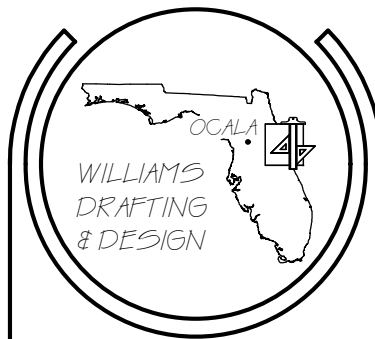




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FILE#: HUMMINGBIRD (1152)

START: 06-17-2021
REV. 2
REV. 3
REV. 4
REV. 5
REV. 6
REV. 7

CUSTOM HOME FOR:
DNS DEVELOPMENT, LLC.

SQUARE FOOTAGE	
LIVING	1152
GARAGE	
LANAI	
ENTRY	144
TOTAL	1296

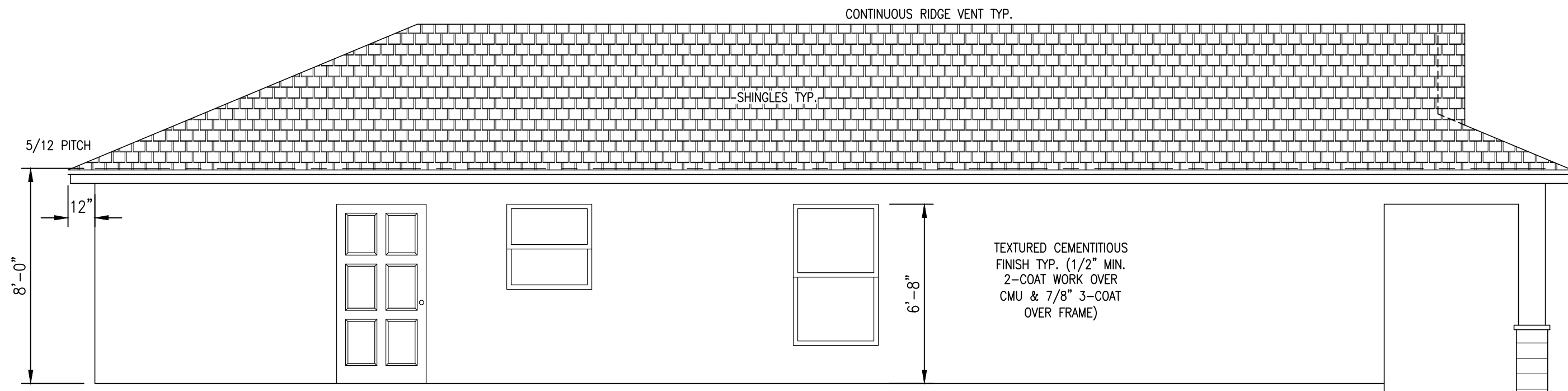
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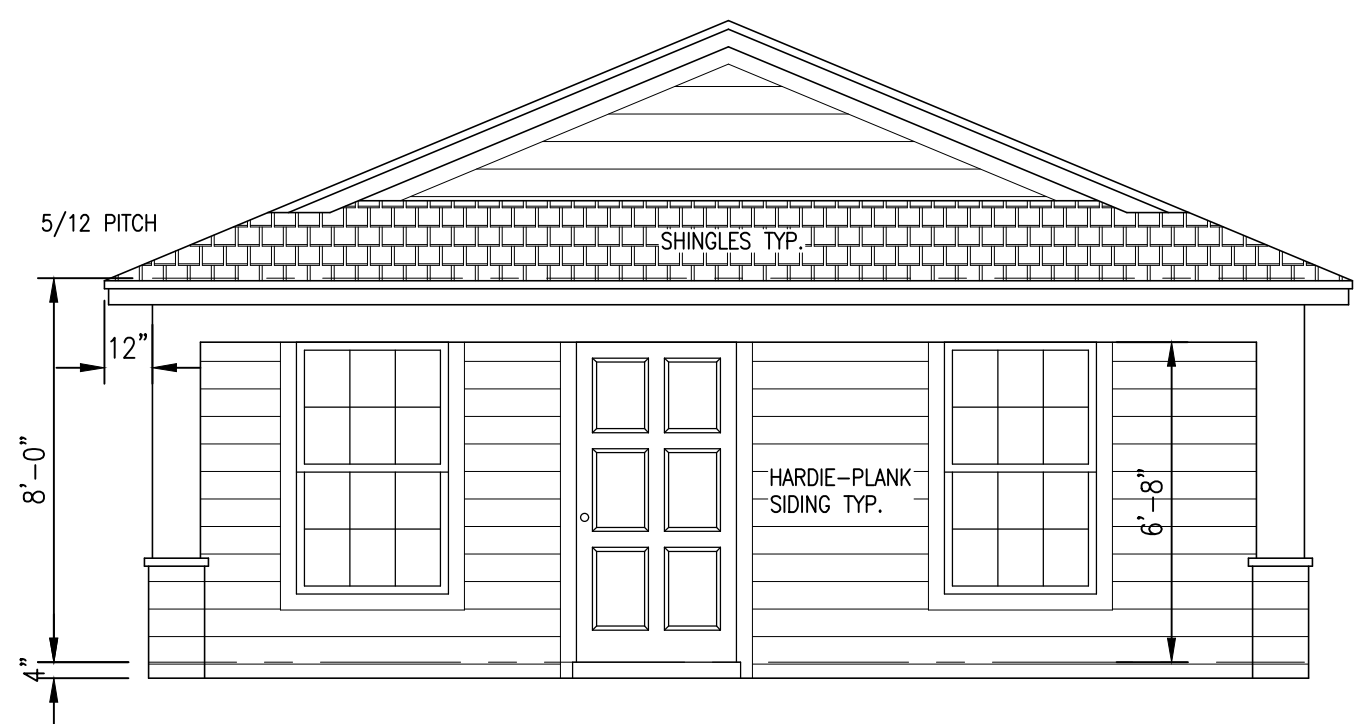
ENGINEER'S NOTES:
1. DESIGN WIND LOAD = 130 MPH (V_{ult})
2. ASSUMED SOIL BEARING CAPACITY = 2000psf
3. LIVE LOADS:
ROOF = 20psf
ATTICS W/O STORAGE = 10psf
ATTICS W/LIMITED STORAGE = 20psf
HABITABLE ATTICS/ATTICS SERVAT
WITH FIXED STAIRS = 30psf
BALCONIES (EXTERIOR) & DECKS = 40psf
SLEEPING PORCH = 30psf
ROOM OTHER THAN SLEEPING = 40psf
STAIRS = 40psf
GUARD/HANDRAILS = 200psf
GUARDRAIL IN-FILL COMPONENTS = 50psf
FIRE ESCAPES = 40psf
4. DEAD LOADS:
ROOF = 10psf
ALL OTHER + ACTUAL WEIGHT OF MATERIALS USED.
5. SHEAR WALLS, DIAPHRAGMS, ETC. IN ACCORDANCE WITH CHAPTER 16, IBC.
6. TRUSS FASTENERS & CONNECTIONS BASED ON LOADS FURNISHED BY TRUSS MANUFACTURER'S ENGINEERED DRAWINGS & CALCULATIONS.

DESIGN CRITERIA:
• SEVENTH EDITION F.B.C. RESIDENTIAL (2020)
• ASCE 7-16
• 130 MPH WIND SPEED (V_{ult})
• 101 MPH (V₅₀)
• WIND EXPOSURE "C"
• WIND IMPORTANCE FACTOR 1
• RISK CATEGORY II
• BUILDING CLASSIFICATION "II"
GROUP I-3, TYPE I-V-B
• ALL OPENINGS IN EXTERIOR WALLS TO MEET P.S.F. REQUIREMENTS AS PER TABLE(S) PROVIDED.
• RATIO (R₁) & RATIO (R₂)
• ENCLOSED INTERNAL PRESSURE COEFFICIENT = +/- 0.18
• PARTIALLY ENCLOSED EXTERNAL PRESSURE COEFFICIENT +/- 0.55

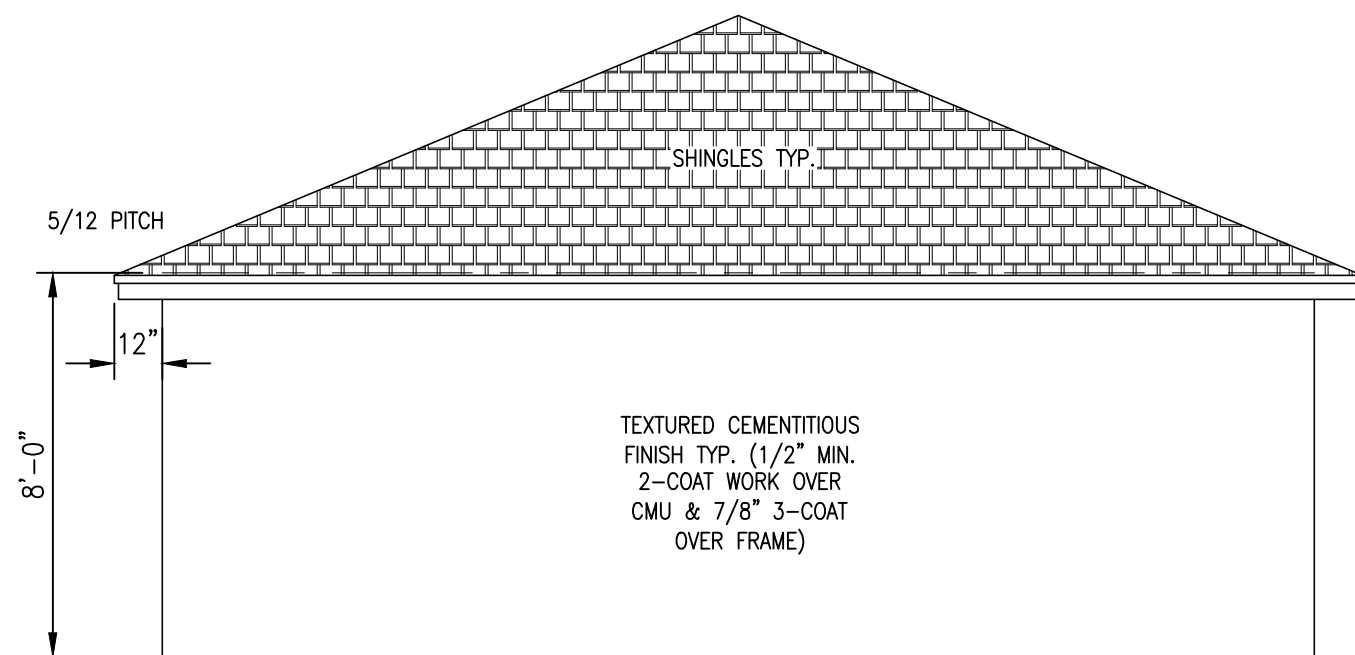
1
OF 6



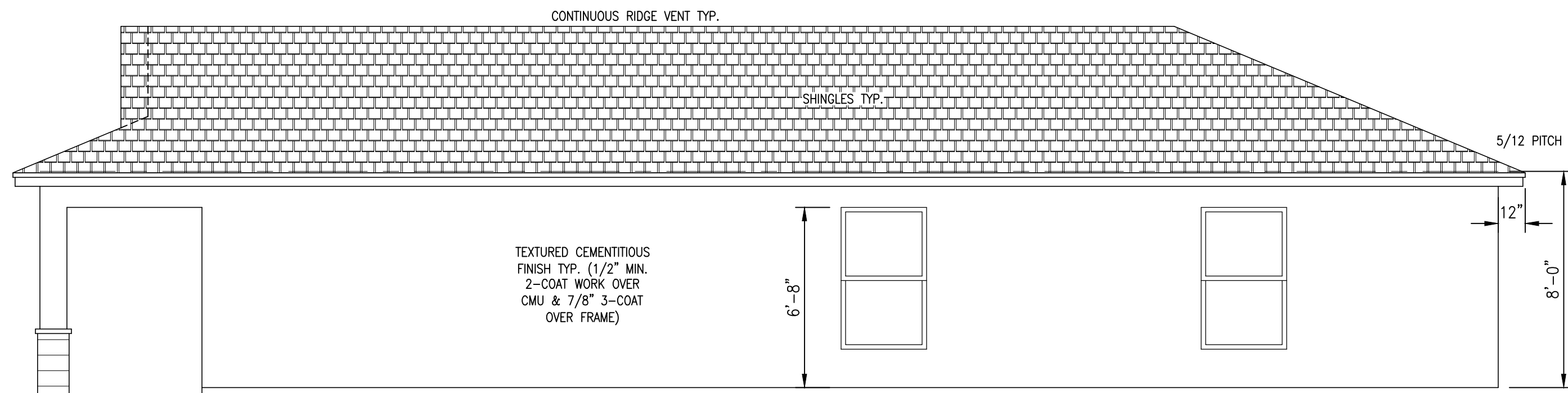
LEFT ELEVATION
SCALE: 1/4"=1'-0"



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



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



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

ROOF VENTILATION REQUIREMENTS

ROOF VENTILATION PER SEVENTH EDITION F.B.C.R. (2020) R806.2 USING THE 1/150th METHOD. (NOTE: CONTRACTOR TO SUPPLY RIDGE VENT MANUFACTURER'S SPECS TO SHOW RATINGS TO SIZE RIDGE VENT REQUIRED.)

BUILDING/ATTIC AREA / 150 = REQUIRED SQ. FT. OF VENTILATION

1296/150 = 8.64 REQUIRED SQ. FT. OF VENTILATION

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THIS PLAN TO BE USED TO OBTAIN ONE PERMIT ON PARCEL #: 2844-029-014

GENERAL NOTES:

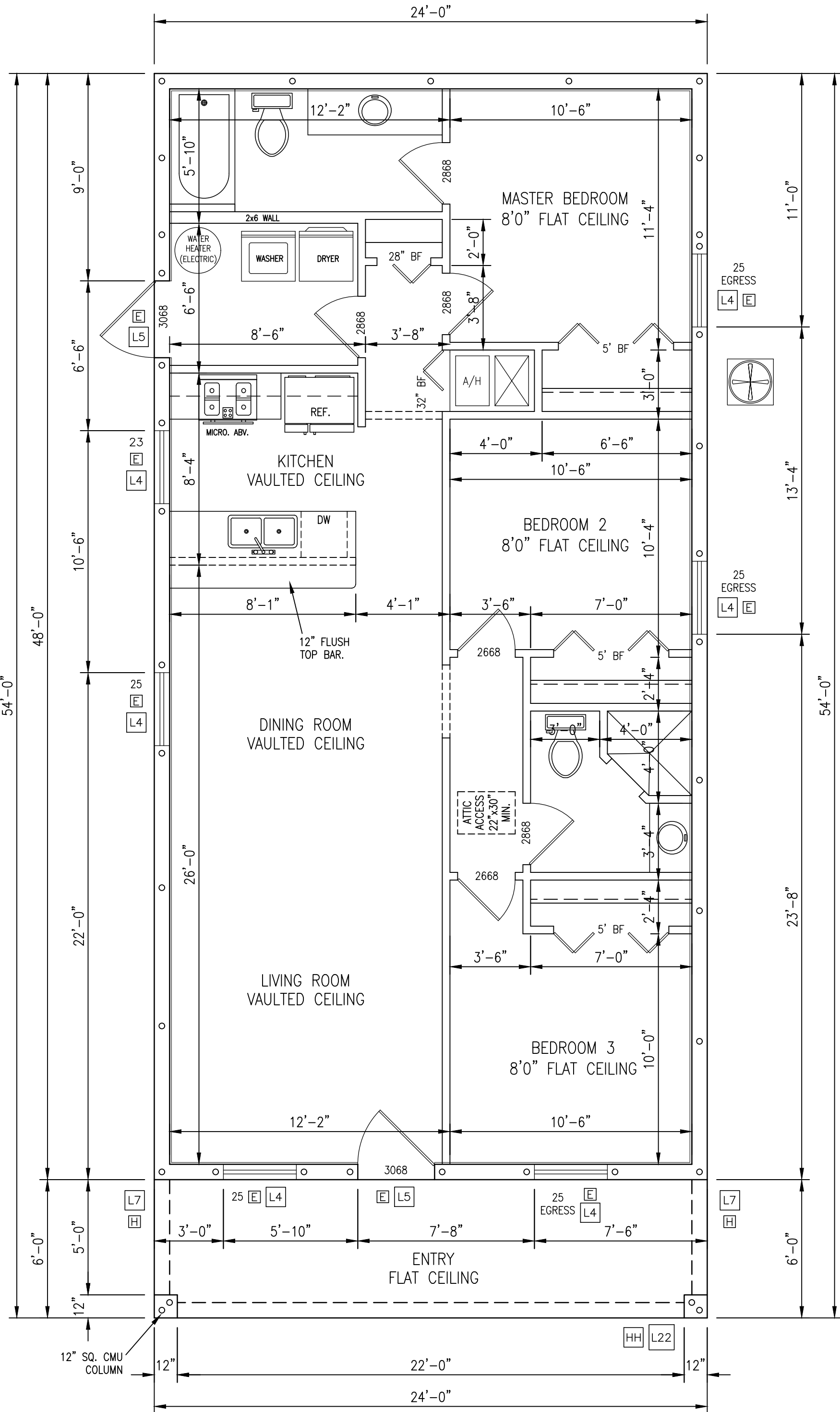
1. MIN. OF 1/2" DRYWALL ON ATTACHED GARAGE/CARPORT CEILING AND WALLS SEPARATING LIVING AREA FROM GARAGE/CARPORT AREA. ALL DOORS IN ATTACHED GARAGE/CARPORT AREA ENTERING THE LIVING ARE TO BE 20 MINUTE FIRE RATED & MUST BE INSULATED.
2. ALL APPLIANCES IN GARAGES TO BE RAISED 24" MIN. FOR PROTECTION UNLESS OTHERWISE NOTED.
3. MAXIMUM DRYER DUCT LENGTH AS PER MANUFACTURER'S SPECS OR WHERE NO MANUFACTURER'S SPECS ARE PROVIDED 35'-0". WHERE FITTINGS ARE USED EXHAUST DUCT LENGTH REDUCED IN ACCORDANCE WITH TABLE M1502.4.5.1 (4" RADIUS MITERED 45-DEGREE ELBOW 2'-6"; 90-DEGREE 5'-0"; 6" RADIUS MITERED 45-DEGREE ELBOW 1'-0"; 90-DEGREE 1'-9"). OWNER/BUILDER TO PROVIDE. WHERE DRYER EXHAUST DUCT POWER VENTILATORS ARE USED, THEY ARE TO BE INSTALLED AS PER MANUFACTURER'S SPECS AND CONFORM TO UL 705. THE MAXIMUM ALLOWABLE LENGTH WHEN USING A POWER VENTILATOR SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR THE DUCT POWER VENTILATOR. WHERE THE EXHAUST DUCT LENGTH EXCEEDS 35'-0", THE LENGTH OF THE DUCT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG AND BE LOCATED WITHIN 6'-0" OF THE EXHAUST DUCT CONNECTION.
4. MECHANICAL CONTRACTOR TO PROVIDE WHOLE HOUSE MECHANICAL VENTILATION SYSTEM SPECS WHEN REQUIRED IN ACCORDANCE WITH SECTIONS R303.4 & M1507.3 IN THE SEVENTH EDITION F.B.C.R. (2020)

DRYWALL FASTENING SCHEDULE					
THICKNESS OF GYPSUM BOARD (INCHES)	APPLICATION	ORIENTATION OF GYPSUM BOARD TO FRAMING	MAXIMUM SPACING OF FRAMING MEMBERS (INCHES O.C.)	MAXIMUM SPACING OF FASTENERS (INCHES)	SIZE OF NAILS FOR APPLICATION TO WOOD FRAMING
1/2	CEILING	EITHER DIRECTION	16	7	12
	CEILING	PERPENDICULAR	24	7	12
	WALL	EITHER DIRECTION	24	8	12
	WALL	EITHER DIRECTION	16	8	16
5/8	CEILING	EITHER DIRECTION	16	7	12
	CEILING	PERPENDICULAR	24	7	12
	WALL	EITHER DIRECTION	24	8	12
	WALL	EITHER DIRECTION	16	8	16
5/8	TYPE "X" AT GARAGE CEILING BENEATH HABITABLE ROOMS	PERPENDICULAR	24	6	6

NOTE: SCREWS FOR ATTACHING GYPSUM BOARD TO WOOD FRAMING SHALL BE TYPE W OR TYPE S IN ACCORDANCE WITH ASTM C1002 AND SHALL PENETRATE THE WOOD NOT LESS THAN 5/8".

WINDOW SCHEDULE		
****VERIFY ALL ROUGH OPENINGS W/MANUFACTURE BEFORE CONSTRUCTION****		
WINDOWS TO BE INSTALLED & FLASHED AS PER MANUFACTURES REQUIREMENTS. OWNER/BUILDER TO SUPPLY SPECS. EGRESS WINDOWS NOT TO EXCEED 44" MAX. A.F.F.		
MARK	DESCRIPTION	SIZE
23	MI SH INSUL	38 x 38 3/8
25	MI SH INSUL	38 x 63

TABLE R301.2(2) ADJUSTED FOR EXPOSURE "C" (ASD) WITH A MEAN ROOF HEIGHT OF 30'-0"						
ZONE	EFFECTIVE WIND AREA	ULTIMATE DESIGN WIND SPEED Vult (mph)				
WALL	FEET²	(PSF)				
		120	130	140		
4	10.0	21.7	-23.66	25.48	-27.72	29.68
4	20.0	20.72	-22.54	24.36	-26.6	28.28
4	50.0	19.48	-21.28	22.82	-25.08	26.6
4	100.0	18.48	-20.5	21.7	-23.94	25.2
4	500.0	16.24	-18.06	19.04	-21.14	22.12
5	10.0	21.7	-29.12	25.48	-34.16	29.68
5	20.0	20.72	-27.16	24.36	-31.92	28.28
5	50.0	19.48	-24.64	22.82	-28.84	26.6
5	100.0	18.48	-22.54	21.7	-26.6	25.2
5	500.0	16.24	-18.06	19.04	-21.14	22.12



FLOOR PLAN

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

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REV. 2
REV. 3
REV. 4
REV. 5
REV. 6
REV. 7

CUSTOM HOME FOR:

SQUARE FOOTAGE

LIVING	1152
GARAGE	
LANAI	
ENTRY	144
TOTAL	1296

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2
OF 6