



**1 ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

- REFER TO EXTERIOR ELEVATIONS AND ROOF PLAN FOR INDICATED ROOF PITCH.
- ALL RAFTERS SHALL BE SPACED AT 24 INCHES OC UNLESS NOTED OTHERWISE.
- PROVIDE BLOCKING FOR SUPPORT OF ALL ROOF PENETRATIONS.
- PROVIDE MINIMUM 2x6 HORIZONTAL COLLAR BRACING AT 1/3 POINT OF A/R/C SPACED AT FOUR FEET ON CENTER MAXIMUM.
- ALL RAFTER ENDS SHALL BE CUT TO FIT FLUSH AGAINST RIDGE BOARD/BRAVEY TO PROVIDE A SOLID BREAKING POINT.
- ALL STRUTS AND PURLINS TO PROVIDE BRACING FOR RAFTERS SHALL NOT BE LESS THAN 45 DEGREES WEIGHED FROM THE HORIZONTAL AND SUPPORTED ON A BEARING WALL. ALL BRACING SHALL BE 2x6.
- WHERE A CONTINUOUS PURLIN IS PROVIDED IT SHALL NOT BE LESS THAN 2x6.
- THE SIZE OF THE RAFTER TIE IS SPROUTING PERMITTER PROVIDE 2x6 RAFTER TAILS TO MATCH ROOF OVERHANG DETAILS SHOWN ELSEWHERE IN THIS SET.

**WIND SPEED DESIGN REQUIREMENTS**

THIS BUILDING SHALL BE DESIGNED WITH IBC SEC. 1609 AS A FULLY ENCLOSED BLDG USING THE FOLLOWING INFORMATION:

AND LOAD DESIGN DATA:

DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC. 1604.3 (A), (B), OR (C) DEPENDING ON THE RISK CATEGORY

V ULTIMATE WIND SPEED (3 SECOND 6/31) = 130 MPH (IBC FIG. 1603C)

V NOMINAL DESIGN WIND SPEED = 101 MPH (IBC 1604.1) NO EXCEPTIONS APP. 1)

RISK FACTOR: CATEGORY II BLDG SURFACE ROUGHNESS = C EXPOSURE = C

TOPOGRAPHIC FACTOR = 1

DESIGN WIND PRESS (ASCE 7-10 TABLE 26.6-1) = 39.6 PSF

INTERVAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1) = 0.18

LIVE LOADS (IBC SEC. 1607)

OFFICE (IBC TABLE 1607.1)	50 PSF UNIFORM LOAD & 2000 LB CONCENTRATED
OFFICE LOBBY (IBC TABLE 1607.1)	100 PSF UNIFORM LOAD & 2000 LB CONCENTRATED
OPERATING ROOMS, LABORATORIES, CORRIDORS, 1ST FLOOR	60 PSF UNIFORM LOAD & 1000 LB CONCENTRATED
ROOF LIVE LOADS (IBC TABLE 1607.1)	100 PSF UNIFORM LOAD
SNOW LOADS (IBC TABLE 1607.1)	20 PSF UNIFORM, 300 LB CONCENTRATED
GROUND SNOW LOAD (IBC FIG. 1609.2)	5 PSF

**DAMMON ENGINEERING, INC.**  
LOUISIANA & MISSISSIPPI

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**MCMATH** develop. design. build.

A NEW DENTAL OFFICE

**CORE SMILE CENTER**

La Highway 25 & Regina Coeli Rd  
COVINGTON, LA

Job No. 215036.01 Sheet No.

Drawn by JTL

Checked by CD

Date 1.28.2018

**S2.1**

ROOF FRAMING PLAN

Issue Date Remark

STATE OF LOUISIANA  
SEAL & SIGNATURE  
03-24-16