

Table of Contents

- A101 1st Floor Plan
- A102 2nd Floor Plan
- A103 Lower Floor Plan
- A104 Floundation Plan
- A105 Elevations
- A106 Elevations
- S101 1st Floor Framing
- S102 2nd Floor Framing
- S103 Roof Framing
- S104 Sections
- S105 Sections
- S106 Sections
- S107 SIP Panel Layout



Brew Residence
Cushing island Portland Maine

Design Criteria

Design Code

Maine State Building Code - IBC 2009

Design Loads

In addition to dead loads this structure designed with the following live loads

Roof Snow Loads

| | |
|---------------------------|----------|
| Ground snow load | 60 psf |
| Exposure Factor C_e | 1 |
| Importance Factor | 1 |
| Thermal Factor | 1.1 |
| Flat Roof Snow Load P_f | 46.2 psf |

Wind Loads

| | |
|------------------------|-----|
| Basic Wind speed V : | 100 |
| Building Category | II |
| Wind Exposure Category | C,B |
| Simplified Method 1 | |

Floor Live Loads

| | |
|-----------|--------|
| 1st Floor | 40 psf |
| 2nd Floor | 40 psf |

