

Electrical Notes:

- Smoke Detectors needs to be installed in all bedrooms and on each floor including basement. (O.B.C. 9.10.19)
- Visual Signaling component is to be integrated with the smoke alarms.
- Carbon Monoxide Detectors needs to be installed on each floor including basement (Max. 16' away from bedroom doors). (O.B.C. 9.33.4)
- Both Smoke and Carbon Monoxide Detectors will be permanently connected to a electrical circuit with a battery backup and will be interconnected.
- Electric Fan needs to be installed in the kitchen and in each bathroom. Also Laundry room without windows require an Electric Fan.
- Furnace, Hotwater tank and HRV (if required) to be installed as per Mechanical drawings.
- Cold Storage Vent to be installed in the basement on a exterior foundation wall.

Site plan and COA notes:

- All overhangs are 16" unless specifically noted.
- All eave troughs project an additional 5" beyond the roof overhangs.
- All garage doors are a min 8'x7' opening
- All garage doors project into the garage interior space by no more than 2"
- Typical garage steps into dwelling are 10" run (projection) and 48" wide

Structural Notes:

- Truss manufacturer is responsible to size all beams on the floors which bear load from roof system
- ▣ Hatch represents load bearing walls
- ◻ Symbol represents a decorative 10" column finish
- Symbol represents built-up wood studs to equal the width of beam
- ◻ Symbol represents the location of column point load from above
- Symbol represents a steel post (3"Øx3/16" fixed steel post, 8"x8"x1/4" top and bottom plate)

Note to Truss Manufacture:

Truss manufacture to provide LVL specification for ALL beams and headers noted on these drawings regardless of weather or not the beam is oversized. Virtual Creations specifies products, materials and building components and expects Truss manufactures to follow the plans provided and NOT pick and choose what they will provide and what they will not provide.

Structural Load Information:

DEAD LOAD = 20 PSF
 LIVE LOAD = 40 PSF
 SNOW LOAD = 32 PSF
 DEFLECTION = L/360

Metric to Imperial Steel Beam Conversion

| Metric | Imperial | Metric | Imperial | Metric | Imperial | Metric | Imperial | Metric | Imperial |
|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|
| W150x22 | W6x15 | W200x27 | W8x18 | W250x33 | W10x22 | W310x39 | W12x26 | W360x57 | W14x36 |
| W150x30 | W6x20 | W200x37 | W8x21 | W250x42 | W10x25 | W310x46 | W12x30 | W360x65 | W14x42 |
| W150x37 | W6x25 | W200x46 | W8x28 | W250x52 | W10x30 | W310x54 | W12x36 | W360x74 | W14x48 |

Area Calculations

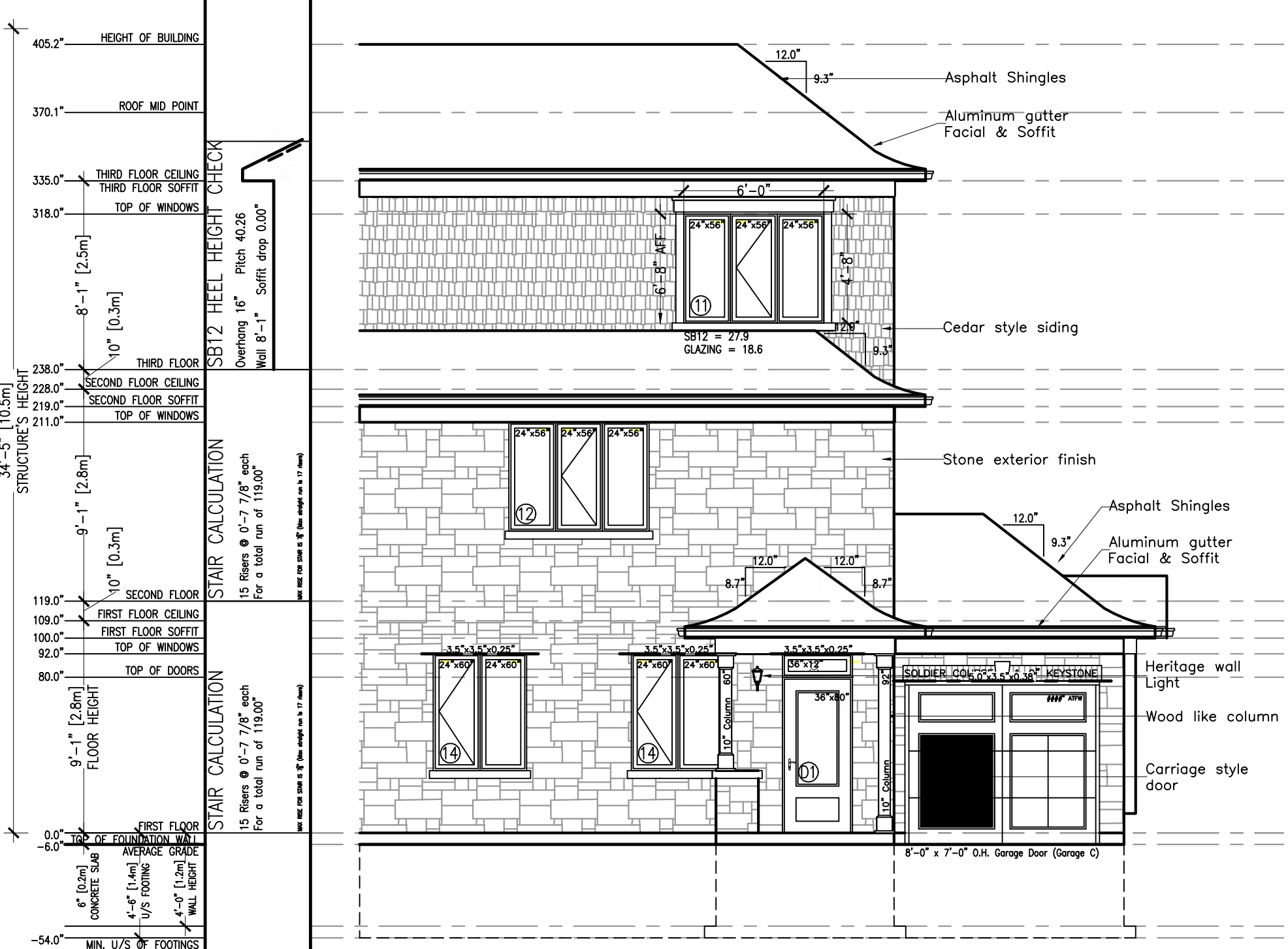
| | |
|----------------------------|---------------------------------|
| Total Building Area | 1342.66 SQ. FT. (124.74 SQ. M.) |
| Proposed First Floor Area | 1101.92 SQ. FT. (102.37 SQ. M.) |
| Garage Area | 208.81 SQ. FT. (19.40 SQ. M.) |
| Porch Area | 36.41 SQ. FT. (3.38 SQ. M.) |
| Patio Area | 108.51 SQ. FT. (10.08 SQ. M.) |
| Proposed Second Floor Area | 1110.23 SQ. FT. (103.14 SQ. M.) |
| Balcony Area | 108.51 SQ. FT. (10.08 SQ. M.) |
| Proposed Third Floor Area | 1031.41 SQ. FT. (95.82 SQ. M.) |

SB-12 Unit B

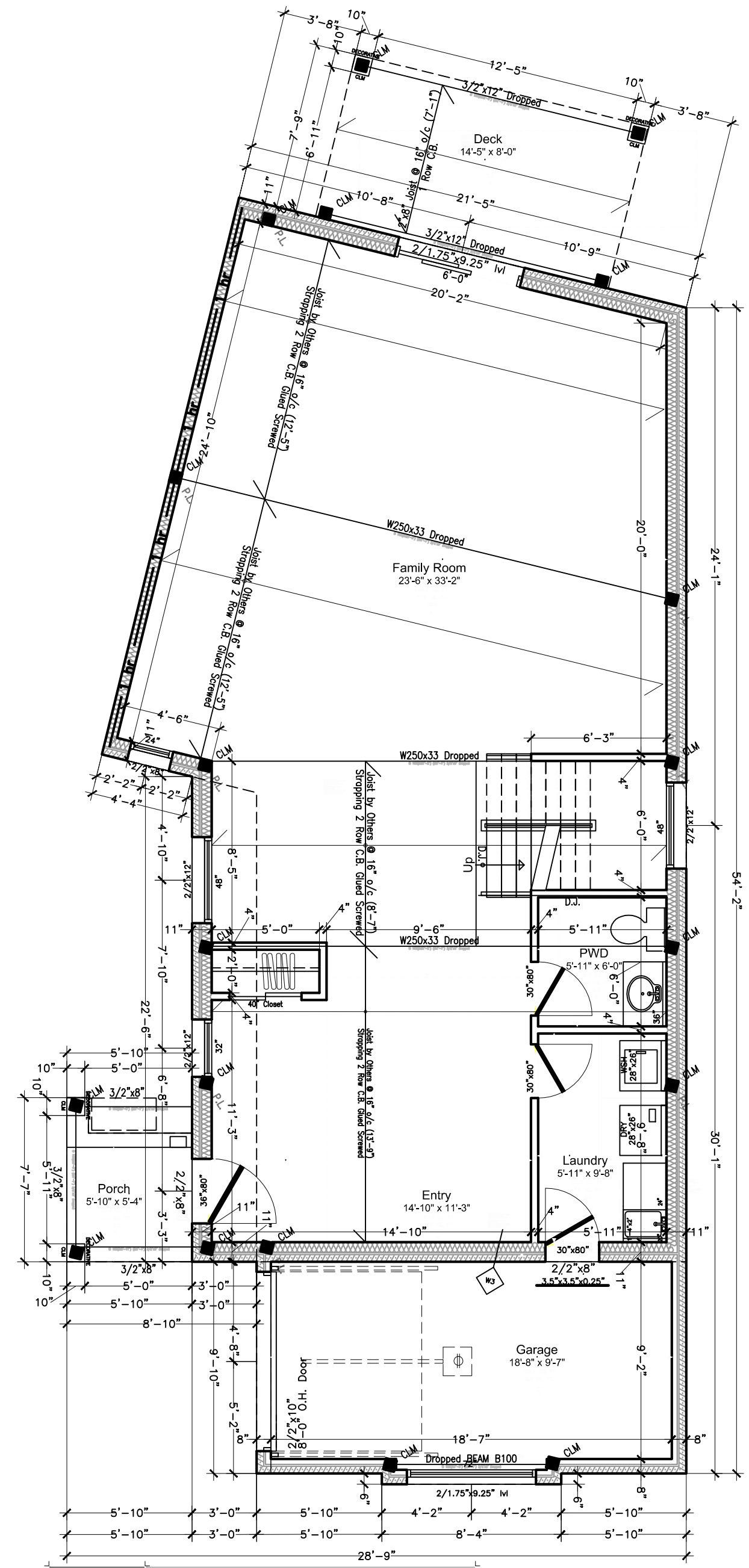
SB-12 2.1. METHODS FOR ACHIEVING ENERGY EFFICIENCY COMPLIANCE (CONCLUSION)

TOTAL WALL AREA = 3726.00 Sq. Ft.
 TOTAL DOOR GLAZING AREA = 42.00 Sq. Ft.
 TOTAL RSO AREA (NOT INCLUDING BASEMENT WINDOWS) = 275.90 Sq. Ft.
 TOTAL PERCENTAGE = 8.53%

COMPLY WITH 2.1.1.1.(7) <17%
 COMPLY WITH 2.1.1.1.(8) >17% <22% (UPGRADES HAVE BEEN NOTED)
 COMPLY WITH 2.1.1.1.(10) >22% (ENERGY CONSULTANT MUST BE CONSULTED)



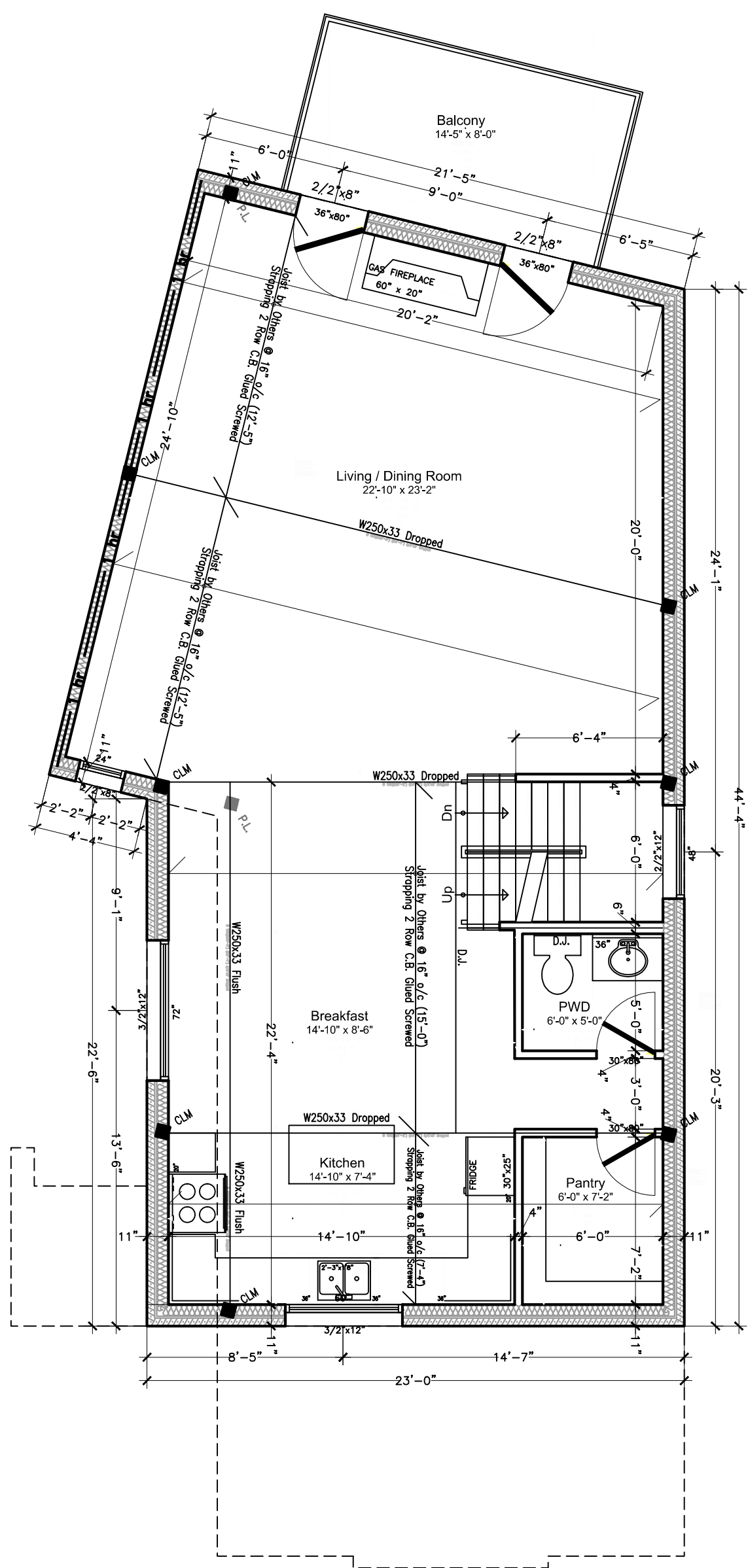
A Left Side Elevation
 V01 SCALE 3/16" = 1'-0"



A First Floor Plan
 V01 SCALE 3/16" = 1'-0"

Builder, Contractor or manager is responsible notify Virtual Creations Inc of any changes deficiencies or errors BEFORE construction.

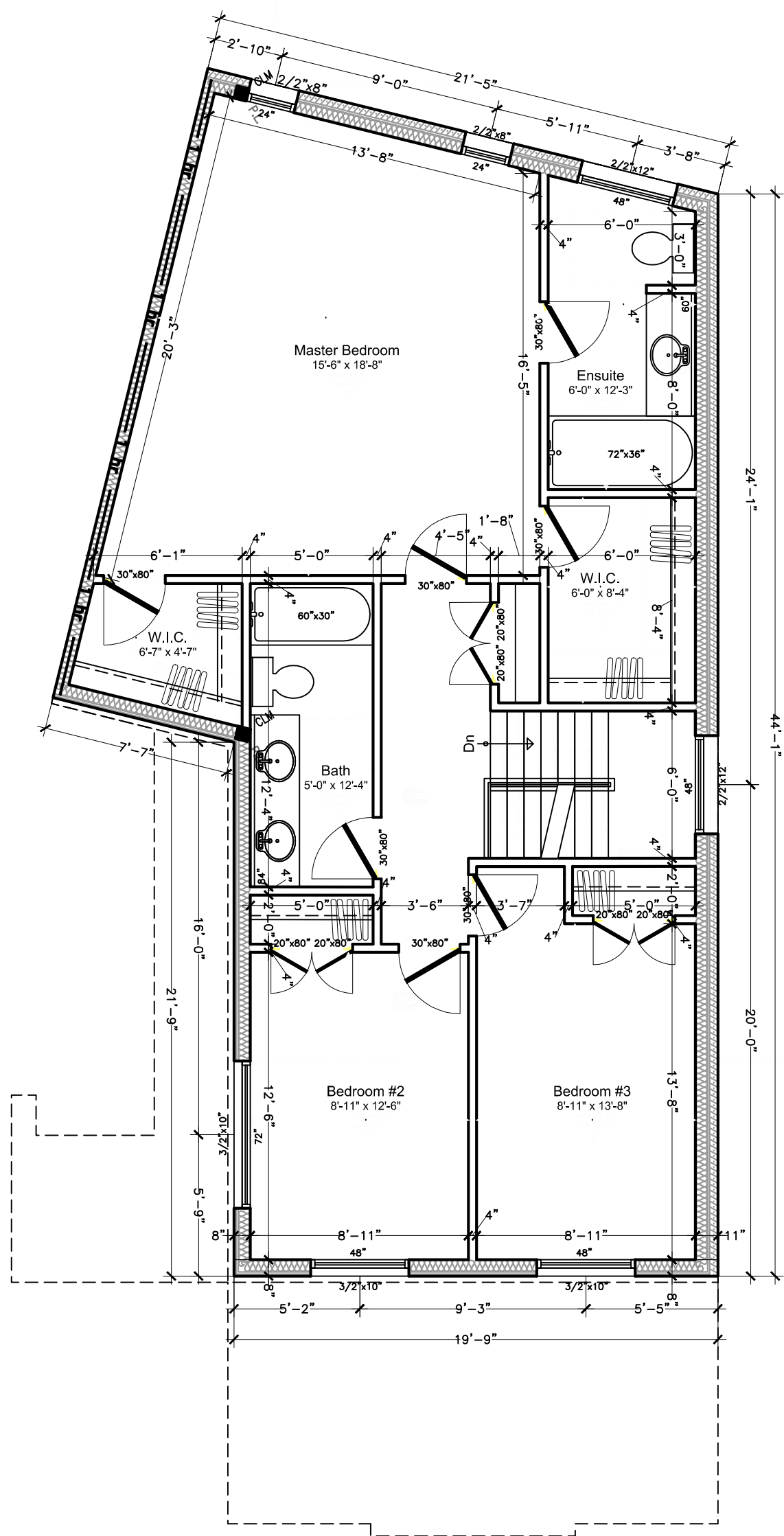
These drawings are NOT a "how to build" drawings. The drawings are "intent" based and require skilled, knowledgeable individuals to execute the information contained within these drawings.



A Second Floor Plan
 V01 SCALE 3/16" = 1'-0"

These plans show nominal dimension. Meaning interior walls are typically shown at 4" not 3.5" for framing or 4.5" for finished thickness. Adjust accordingly.

Builder, Contractor or manager is responsible to verify ALL DIMENSIONS prior to starting construction.



A Third Floor Plan
 V01 SCALE 3/16" = 1'-0"

These plans must be used in conjunction with other consultant drawings like Structural engineer, truss layout & floor layouts

Lumber company to provide specifications on ALL THE LVL BEAMS NOTED IN THESE DRAWINGS. I am not interested if the header could be conventional framing, I have specified LVL, therefore I require LVL.

Virtual Creations is open to suggestions on a different truss structural layout. However please call the office to discuss your proposed layout prior to issuing the drawings to the client.

FILE NO. DA-16-175 111 WILSON STREET EAST, ANCASTER ONTARIO

