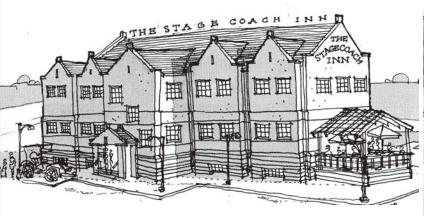
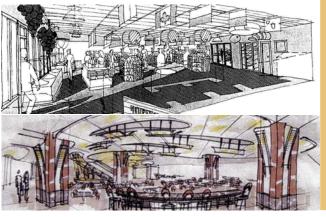
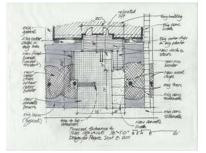
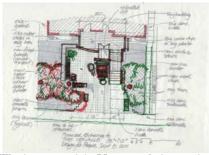
Freehand Perspectives Uconstructed



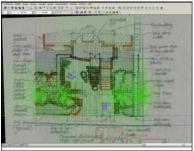




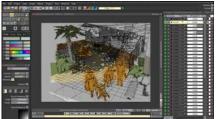
First Freehand Design Concept



Work-over with Users - Schematic Design



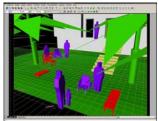
CAD file started over Digitized Sketch



Rendering Coloured and Flavoured in Bitmap Paint Programme



Design Elaborated in Perspective sketch traced over CAD Rendering

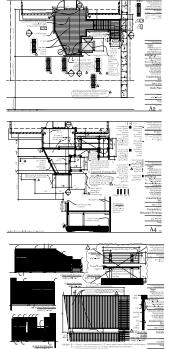


CAD Rendered Massing



Built Result (further evolved)

Design and Working Drawings Developed from CAD Massing Models



Typical Interior SpaceStudy quick-traced over AutoCAD Massing Model, Finished in TVPaint

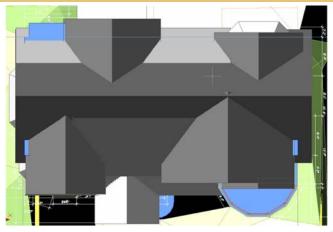




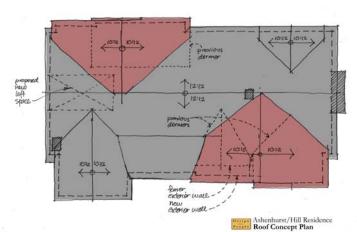


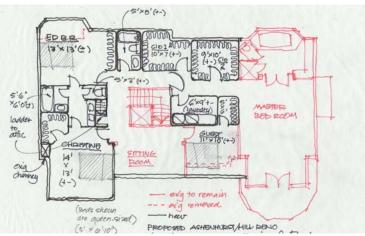


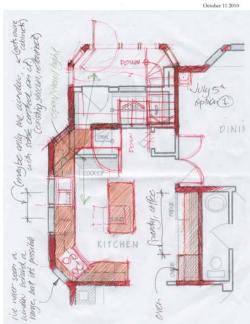
Schematic Design Stage Typical work-in-progress and sketch presentation plans Quick-traced over rough AutoCAD Drafting and Precise Roof Model Massing Model, Tinted in TVPaint





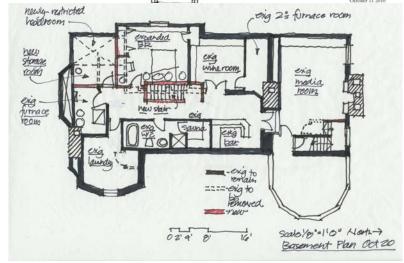






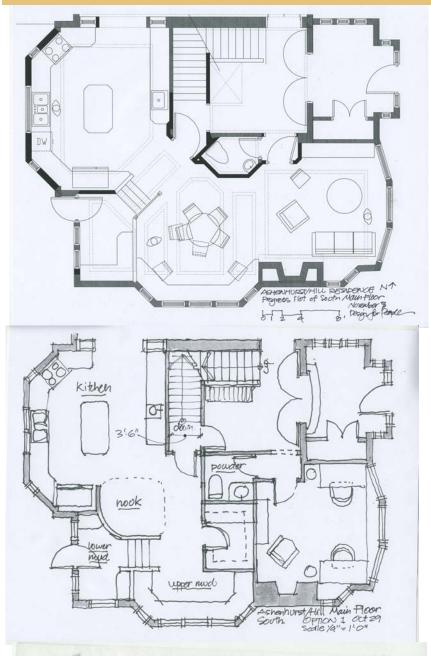


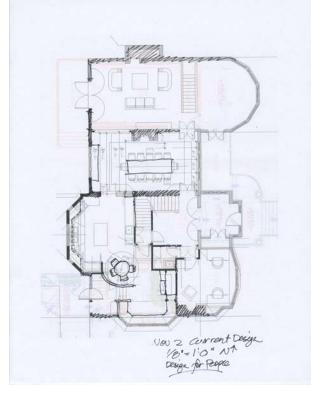




Design Development Exploration Stage

Typical work-in-progress and larger scale sketch presentation plans Quick-traced over precise AutoCAD Drafting

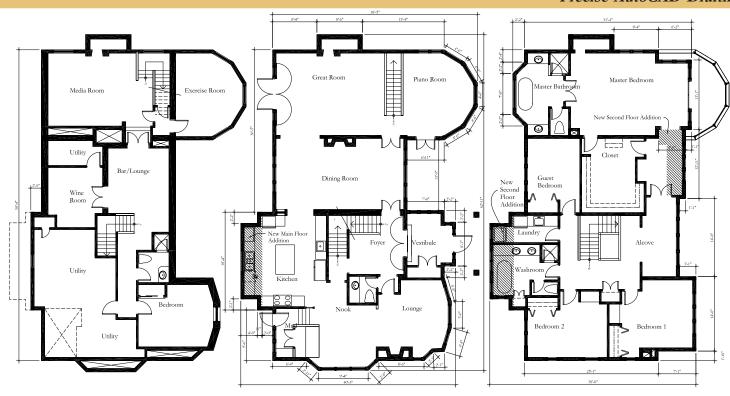






Design Development Presentation

Precise AutoCAD Drafting



Post-Fire Repairs and alterations to
The Ashenhurst-Hill Residence
Development Permit Submission December 7th 2010

Basement Plan



Main Floor Plan

Floor Plans

Second Floor Plan

dp 2





Design Development Refinements Stage





Ashenhurst/Hill Residence
Vice From South East November 12310
1: Current Colour Scheme

Typical presentation of colour options

Quick-traced

Quick-traced over precise AutoCAD Massing

Shading layers duplicated in different colours in TVPaint.

Typical presentation of detailing options

Quick-traced over precise AutoCAD Massing

> Different layers for different details

Shaded in TVPaint:









From South East November 18.2



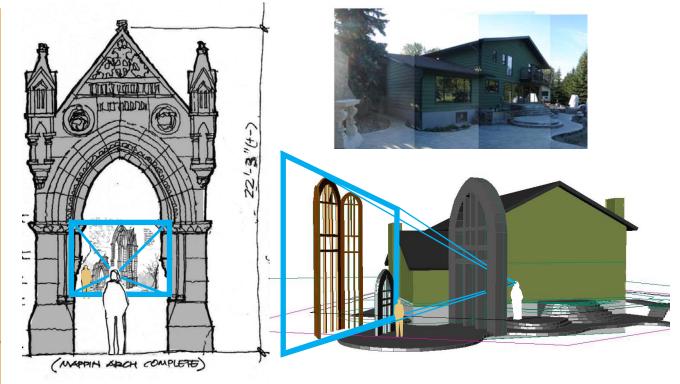




Modelling Sightlines:

Gothic Backyard

Stone arches both imported relics



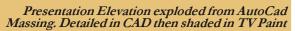
Quick-traced over precise AutoCAD Massing



Full AutoCAD Model Presentation Perspective quick-traced over AutoCAD Massing Model Finished in TVPaint









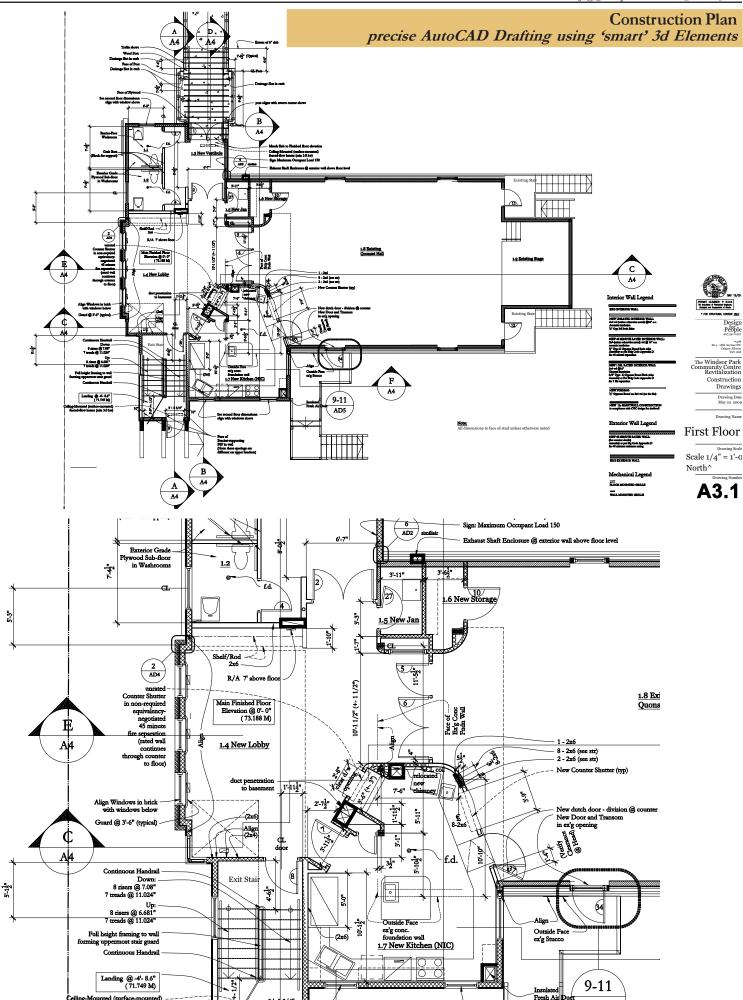


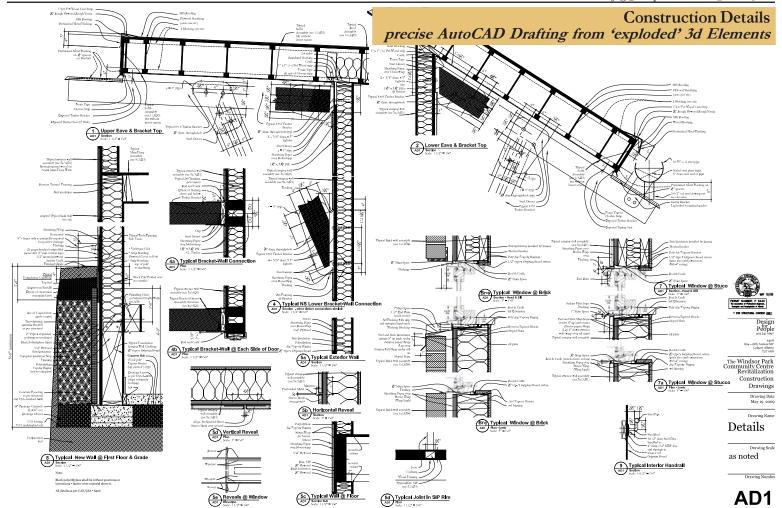


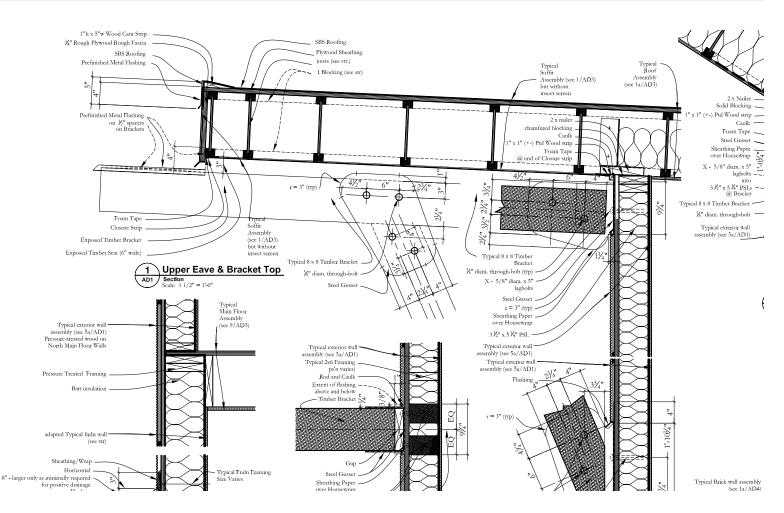




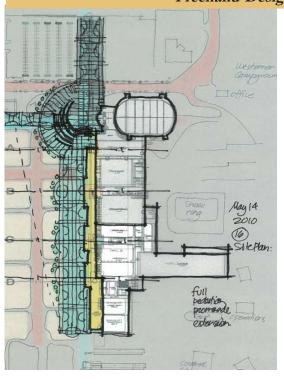
AutoCAD
Generated Renderings
for illustrating massing
features
Tweaked in TVPaint



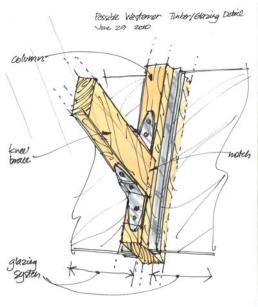


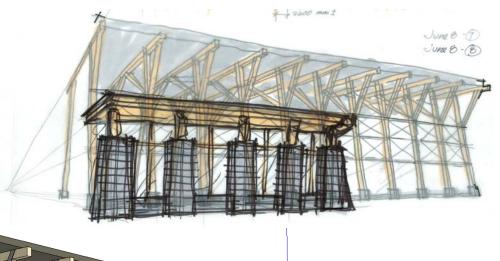


David Grantham Workflow Examples 2017 All design, illustration, drafting, and photography by David Grantham unless otherwise noted. 403 541 0947 djhg@telusplanet.net Page 12 of 15 Most Efficient Design Workflow for CAD-Generated Presentation Drawings Typical work-in-progress Freehand Design Concepts (felt pen on trace) guide modelling by SketchUp specialist



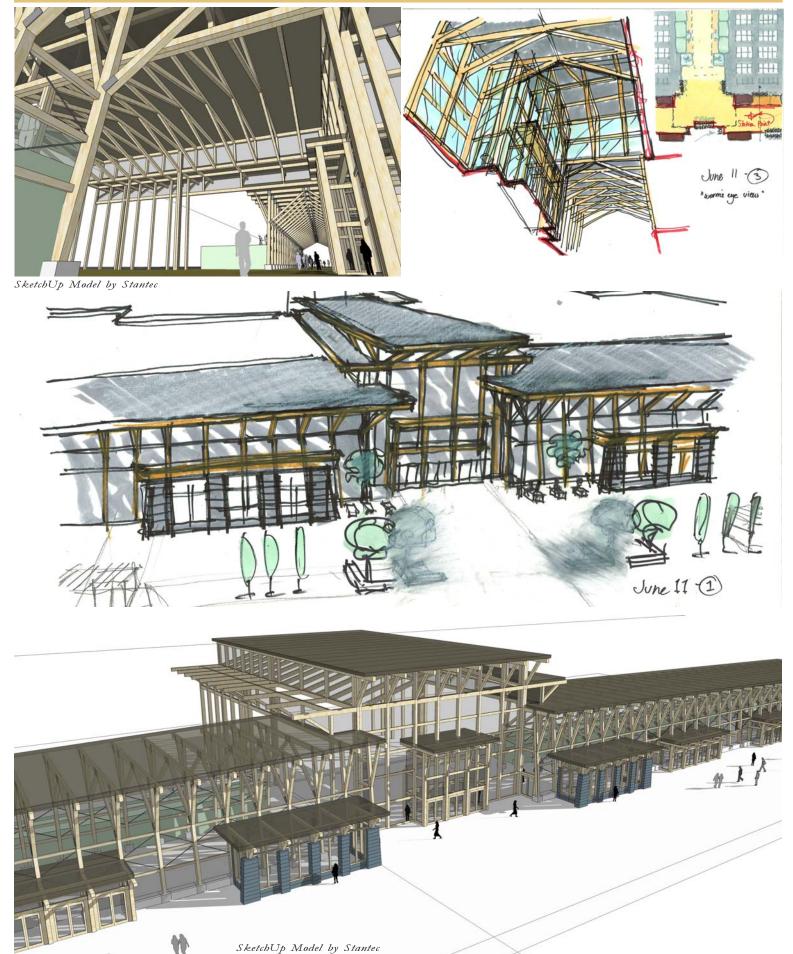






SketchUp Model by Stantec

Most Efficient Design Workflow for CAD-Generated Presentation Drawings Typical work-in-progress Freehand Design Concepts (felt pen on trace) guide modelling by SketchUp specialist



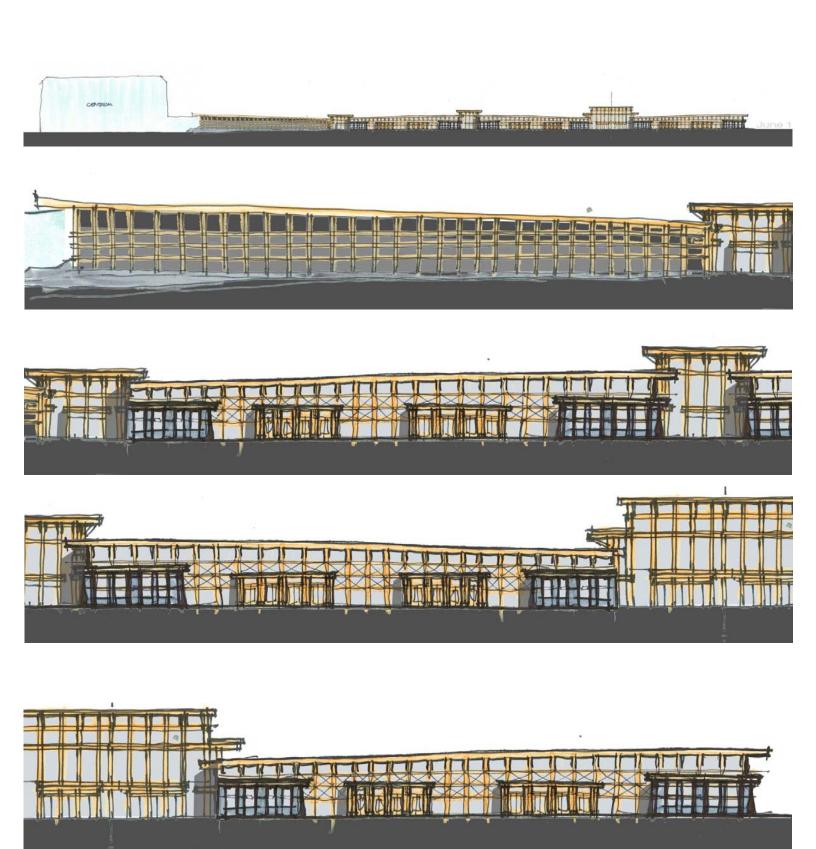


Illustration Styles to Suit Project/Schedule/Budget regardless of Design Workflow Please see other portfolio segments













