Assignment A05 –Schematic Design Drawings

Instructor: Glenn Hill

**TASK:** Develop a set of Schematic Design Drawings of the Texas Branch Bank Office Building, using REVIT.

**Schematic Design Drawing Requirements**

- Use REVIT to develop a model of your office project including architectural and interior systems.
- Annotate the drawings of your design as needed to help explain the drawing.
- Setup perspective views of your building.
- All your drawings are to come directly from REVIT views and printed directly from a REVIT sheets. DO NOT take them into Photoshop, Illustrator, etc...at this time.
- All drawings should represent quality graphics, including appropriate line weights and shading.
- The sheets shall be composed, using good principles of graphic design.
- Format: The format will be a portrait bond print. The dimensions of the sheets will be 36” w x 60”. The sheet must be composed in portrait orientation and cut to this dimension.
- As a minimum you should include the following drawings listed below.

**BUILDING SHEET**

1. Site/Roof Plan: Design Scale: 1/16” = 1’-0”
   - Site Plans should include a Roof Plan of your building
   - Include planting, drives, parking,
2. Floor Plans (Design Drawings)-Level 1, Typical Floor, & Basement. Scale: 1/8” = 1’-0”
   - First Floor Plan should include the immediate surroundings of the site out to about 20’.
   - Other two (2) floor plans
   - All interior rooms, doors and partitions
   - All interior ceilings
   - Poche’ walls (Black, Grey)...Set Pattern
   - Room Name all spaces
   - Area Names in all spaces
   - Furniture in program spaces indicating proposed use.
3. Building Section (Design Drawings). Scale: 1/8” = 1’-0”
   - Section through Lobby space and major entry on 1st floor.
   - Poche’ the Section for spatial definition. Poche’ Wall, Floor, Roof & Ceiling Cuts.
   - Label Spaces. Do not use Legends.
   - Other Sections as needed.
4. Exterior Perspectives  
   a. Exterior showing buildings relationship to major area landmarks.  
   b. Exterior entrance of building  
   c. Other exterior views as needed to explain your design  
5. Interior Perspectives  
   a. Just inside the Lobby Entrance looking towards the Greeters Station.  
   b. At the Threshold of the building.  
   c. Perspective of Texas Room.  
   d. Perspective of Office Assistant and Offices.  
   e. Other interiors needed to explain your design.

General Comments on Previous Drawing Assignments

1. Just because you can does not mean you should!  
2. Label things? Make sure the name is an industry standard and spelled correctly.  
3. Text too Small or too Large. Labels on Wall Sections to large...Drawing Titles too Small.  
4. Verify your bathroom and stairs meet Code and ADA.  
5. These should be Design Drawings not Construction Drawings...Do you know the difference?  
6. Plans, Sections, and Elevations should have immediate access to each other. One reads these drawings as a group not as individual drawings
A05 – Schematic Design Drawings

GRADING SHEET:

Your grade will be determined by the four (4) separate categories listed below. You will receive points for each category ranging from 0 - 4. How many points you receive will be based on the grading rubric on the previous page.

NAME: ____________________________________________

DATE: ________ - ________ - ________

GRADE: ________

| 16 - 99 = A+ | 12 - 86 = B | 7 - 72 = C- |
| 15 - 96 = A  | 11 - 84 = B  | 6 - 65 = D  |
| 14 - 92 = A- | 10 - 82 = B- | 1, 2, 3, 4, 5 - F |
| 13 - 88 = B+ | 09 - 78 = C+ | 10, 20, 30, 40, 50 |
| 08 - 76 = C  | 07 - 65 = D  | 06 - 55 = E  |

SITE & BUILDING LAYOUT:

The completeness of the drawings, including Site Development and other elements required for site design.

<table>
<thead>
<tr>
<th>Development</th>
<th>Site Plan</th>
<th>Quality</th>
<th>Utility</th>
<th>Aesthetics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>Labels</td>
<td>Annotations</td>
<td>Line Quality</td>
<td></td>
</tr>
</tbody>
</table>

FLOOR PLANS:

The completeness of the drawings, including the communications of Plan and Section organization of the building.

<table>
<thead>
<tr>
<th>Program</th>
<th>Plans</th>
<th>Sections</th>
<th>Quality</th>
<th>Utility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>Labels</td>
<td>Dimensions</td>
<td>Furniture</td>
<td>Annotations</td>
</tr>
</tbody>
</table>

PERSPECTIVES

The completeness of the drawings, including the communication of Aesthetics of the building.

<table>
<thead>
<tr>
<th>Interior Spaces</th>
<th>Exterior Spaces</th>
<th>Quality</th>
<th>Aesthetics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>Labels</td>
<td>Dimensions</td>
<td>Furniture</td>
</tr>
</tbody>
</table>

SCHOLARSHIP:

The scholarly attributes of a good student

<table>
<thead>
<tr>
<th>Discrimination</th>
<th>Initiative</th>
<th>Participation</th>
<th>Discernment</th>
<th>Exploration</th>
<th>Innovativeness</th>
<th>Attempts</th>
<th>Critical Thinking</th>
</tr>
</thead>
</table>