**WOLF ARCHITECTS**

**Waxahachie, TX 75165**

**You and your team were sought out by a private organization to design a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Your design brief and rubric are below.**

**REQUIRED DOCUMENTATION IN FINAL PROPOSAL PACKAGE AND ON PORTFOLIO**

* Title Page (with Rendering) and Table of Contents
* Overview (2+ pages)
* Justification for structure
* Summary of Client Survey
* Description of the style and merits of the design concepts
* Explanation behind architectural style
* Green / Sustainable Design Aspects
* List of green / sustainable design aspects that qualify as LEED credits
* Ecology Aspects
* \*\*Codes and Regulations: List of local, state, and national codes (at least 10) followed with citations
* Preliminary Design Work: Supporting Client Survey, Adjacency Matrix, Bubble Diagram, Traffic Flow Diagram, Preliminary Hand Sketches (Pictorials), Detailed Floor Plan
* Revit Sheets:
* Dimensioned floor plan (with details and labels)
* Schedules (Rooms, Doors, Windows, Plantings)
* Elevation Sheet
* 2+ Rendering Sheet(s) (5+ Renderings)
* Sectional Sheet (Inside Views)
* \*\*Site Plan Sheet (with surrounding landscaping, roads, and parking lot) and map of location
* [Roof plan and Foundation plan]
* Landscaping Plan: Explanation behind landscaping plan with benefits and pictures of plantings
* \*\*Utilities
  + \*\*Basic Electrical Plan
  + \*\*Basic Plumbing Plan
  + \*\*Water pressure calculations (Water tower and transport information provided by Mrs. Moon)
  + \*\*Wastewater calculations
  + \*\*HVAC calculations
* \*\*Site Viability
  + \*\*Site elevations (based on local survey)
  + \*\*Soil Analysis (based on local sample)
  + \*\*Water Runoff Calculations and Water Management Plan
* \*\*Foundation and Structural Plan
* [Cost Analysis]
* \*\*Walk Through Video
* \*\*Marketing Plan

NOTE: All items in brackets [ ] are areas that may not be required for class purposes (depending on time) but are required for the TSA Architectural Modeling contest.

NOTE: All items with double asterisks will be completed after learning the related topics (as a class).

\*\*\*Your proposal package must be supported by your journal documentation, which will include a daily work log (indicating progress, tasks, risks, time involved, and team responsibilities), research, brainstorming, notes, sketches, etc.\*\*\*

**TENTATIVE - PHYSICAL SCALE MODEL (\*taken from TSA Architectural Modeling NQE)**

You also will build an architectural model so your clients are able to experience your unique and groundbreaking design (on a small scale). You are encouraged to interview a local architect and study actual architectural models before beginning construction on your own model.

Note: Commercially produced materials that simulate the appearance of regular construction materials may be used to enhance the model but are not required. If you use these materials, be careful about their scale!

**PRESENTATION**

Make sure you and your team develops a company name and logo that reflects the creativity and professionalism of your design work. You will only have 15-20 minutes to present your design to the stakeholders, so you will need to plan and practice your presentation in advance.

\*\*\*In addition to the final proposal package, your documentation must be presented on a website, presentation board, PowerPoint, or poster for the stakeholders to easily follow along without a hard copy of your working drawings etc.\*\*\*

**NOTE: The requirements above are subject to change. Due to our time constraints, some of the proposal requirements may be removed / minimized as the client’s demands / needs evolve.**

**Good luck,**

**The Boss**

Wolf Architects Rubrics

Phase I: Preliminary Design Work (Hand Work) TOTAL OF 104 POINTS

| Topics | 13 points | 10 points | 8 points |
| --- | --- | --- | --- |
| **Journal Organization** | “Norms” of journaling followed (every page dated and signed etc.); Journey captured with detailed entries; No issues with flow, clarity, or grammar | Some details missing  /  Some journaling norms not followed | Some journal entries missing  /  Many grammar and journaling issues |
| **Client Survey** | Complete and consists of fields that capture client’s needs and wants; Professionally recorded | Complete but needs to be presented in a more professional manner  / Does not fully capture client’s needs and wants | Incomplete |
| **Adjacency Matrix** | Complete and correctly constructed (with key); Appropriate reasoning used | Complete but needs to be presented in a more professional manner | Incomplete |
| **Bubble Diagram** | Spaces are well-defined and clearly labeled; Proportional circle sizes; Appropriate layout in reference to form and function; Client needs and wants reflected; Appropriate coloring (with a key) used | Circles not proportional  /  Form and function needs improvement /  Needs to be presented in a more professional manner | Diagram confusing  / Spaces not labeled / Thought for form and function not evident / Appropriate coloring (with key) not used |
| **Floor Plan Diagram – Flow, Form, Function, and Codes** | Well-laid out for traffic flow; Minimum space/size requirements met; Windows and doors in suitable locations; Form and function and client needs reflected; Room sizes and shapes accurately sketched | More detail needed / needs to be presented in a more professional manner / windows and doors haphazardly placed | Improvement needed with respect to traffic flow or form and function  / Client needs and/or wants not reflected |
| **Floor Plan – Details, Labels, and Dimensions** | Details (e.g. furniture, equipment, etc.) and dimensions are thorough, accurate, and to scale; Scale is clearly documented and labels are clearly provided | Details are provided but dimensions / labels are incomplete  OR Scale is not clearly and/or correctly documented  OR More details are needed | Floor plan details not to scale or incomplete or sloppy |
| **Preliminary Hand Sketches (Pictorials)** | Creative and detailed (in color); Annotations included; Proportional; Architecture reflects client’s requested style | Fairly well-crafted but more detailed needed  /  Needs to be presented in a more professional manner | Sloppy /  Incomplete /  Architectural style not reflected |
| Explanation behind architecture | Reflects client’s needs and wants; Documented in professional manner; Presents architectural style correctly; Accurately captures style in design sketches | Link between style presented in paper and preliminary design work weak  /  Needs to be presented in a more professional manner | Confusing /  Conflicting with client’s needs and wants  / No link between style presented in paper and preliminary design / Many grammar, spelling, flow issues |

**Phase II: Codes and Regulations**

|  |  |
| --- | --- |
| Topics | TBD |
| **Research on Codes and Regulations** | Occupancy Type and Construction Type documented and explained; Basic codes and regulations documented and cited; Appropriate level of research conducted; Specific codes and regulations related to the location of the site and the type of structure researched and reflected in design (at least 10 of them) |
| **Universal Design Aspects** | Universal Design Aspects (at least 5 of them) documented (and reflected in your design) |

Phase III: Revit Work TOTAL OF 104 POINTS

| Topics | 13 points | 11 points | 9 points |
| --- | --- | --- | --- |
| **Design** | Creative design; Well-laid out for traffic flow; Windows and doors in suitable locations; Form and function and client needs reflected; Design based on hand sketches | More detail needed / Needs to be presented in a more professional manner  / Windows and doors haphazardly placed | Improvement needed with form and function / Client needs / wants not reflected  / Design creativity is minimal |
| **Floor Plan Sheet**  **Dimensions,**  **Room Tags, Balance..** | Appropriate floor plan presentation for each level; Dimensions, scale, and room names are properly included; Title block is properly filled out; Interior features properly included; Appropriate sheet orientation and balance | Needs to be presented in a more professional manner  / More detail is needed / Minor changes needed | Much improvement needed |
| **Floor Plan Sheet**  **Codes and Regulations, Design Flow & Creativity…** | All major components included; Appropriate placement of components (laid out well for traffic flow); Components enhance visualization and creativity of design; Codes and regulations met | More detail is needed / Minor changes needed | Much improvement needed |
| **Green Roof Details** | Green roof layers and plantings accurately and thoroughly captured in renderings and a green roof sectional (that shows layers) | Green Roof and plantings captured but more detail / creativity is needed | Green Roof and plantings captured but layers are incorrect / not shown |
| **Schedules Sheet**  **(Rooms, Doors, and Windows) &**  **Floor Plan w/ Total Area** | All schedules are included with appropriate columns; Schedules and floor plan are appropriately spaced; Title block is properly filled out; Area constraint is met; Appropriate sheet orientation and balance | Complete but needs to be presented in a more professional manner  and/or sheet is missing some information | Much improvement needed |
| **Elevation Sheet** | Elevation views are properly aligned and spaced; Elevations are appropriately presented; Title block is properly filled out; Appropriate sheet orientation and balance` | Complete but needs to be presented in a more professional manner  and/or sheet is missing some information | Much improvement needed |
| **Rendering Sheet(s)** | Required renderings are properly presented; Orientation, placement, and site features reflect client wants and needs; Title block is properly filled out; Appropriate sheet orientation and balance | Complete but needs to be presented in a more professional manner  and/or sheet is missing some information | Much improvement needed |
| **Interior (Sectionals)**  **Sheet** | Style and structure of structure captured; Color used; Title block is properly filled out; Appropriate sheet orientation and balance | Complete but needs to be presented in a more professional manner  and/or sheet is missing some information | Much improvement needed |

*\* If the minimum level is not achieved for a specific criteria, no points will be accumulated for that row*

**Phase IV: Landscape Plan**

|  |  |
| --- | --- |
| Topics | TBD |
| **Landscape Plan with pictures** | Landscaping Plan is creative, realistic, justified, and addresses maintenance process; Landscape Plan has a variety of plantings (at least 10 different types) that reflect overall unity; Landscape Plan includes benefits and pictures of each planting type |

**Phase V: Site Viability and Water Management Plan**

|  |  |
| --- | --- |
| Topics | TBD |
| **Site Elevations** | TBD |
| **Soil Analysis** |
| **Water Runoff Calculations** | Water Runoff calculations and assumptions are correctly and clearly documented in a professional format |
| **Water Management Plan** | Water Management Plan is creative, adds aesthetic value to the property, and reduces post-runoff to pre-runoff rate |
| **Site Viability Discussion** | Site viability is investigated and summarized in an essay format |

**Phase VI: Site Plan**

|  |  |
| --- | --- |
| Topics | TBD |
| **Site Plan Revit Sheet** | Site Plan is complete; Site ingress / egress provides good traffic flow; Site and structures reflect unity in style; Location map is included on site plan sheet; Renderings and topography view are included on site plan sheet |
| **Surrounding Landscaping and Roads** | Surrounding landscaping and roads are accurately reflected in views shown on site plan sheet |
| **Parking Lot** | Parking lot spaces are justified with calculations; Parking lot is accurately created and/or scaled, allows good traffic flow, and includes green space |

**Phase VII: Utilities**

|  |  |
| --- | --- |
| Topics | TBD |
| **Electrical Plan** | TBD |
| **Plumbing Plan** |
| **Wastewater Calculations** | Wastewater calculations and assumptions are correctly and clearly documented in a professional format; Elevation picture of lateral line is provided with annotations |
| **Water Supply Calculations** | Water supply calculations and assumptions are correctly and clearly documented in a professional format; Elevation picture of connection provided with annotations |

**Phase VIII: Structural Plan**

|  |  |
| --- | --- |
| Topics | TBD |
| **Structural Plan**  **including foundation** | TBD |

**Phase IX: Overview**

|  |  |
| --- | --- |
| Topics | TBD |
| **Overview Paper** | Overview is professional (e.g. – typed, proper spelling and grammar, etc.) and complete; Overview is organized in an efficient format that provides clarity; Overview includes the bare minimum information: Justification, Summary of Client Survey, Description of the style and merits of the design concepts, Explanation behind architectural style, Green / Sustainable Design Aspects, List of LEED credits, Ecology Aspects… |

**Phase X: Marketing Plan**

|  |  |
| --- | --- |
| Topics | TBD |
| **Marketing Plan** | TBD |

**Phase XI: Walk-Through Video**

|  |  |
| --- | --- |
| Topics | TBD |
| **Walk-Through Video** | Video is interesting and flows well; Video is of acceptable quality; Video accurately depicts your whole design; Video includes some landscaping |

Phase XII: Presentation

| Topics | 20 points | 18 points | 16 points | 13 points |
| --- | --- | --- | --- | --- |
| Presentation – Required Items | Presentation / poster includes all required documentation outlined in the design brief; Presentation had a strong introduction and conclusion | Presentation missing one or two required item(s) | Presentation missing three required item(s) | Presentation missing more than three required items |
| Quality of Information | All information documented thoroughly, clearly, and accurately  AND  Content is accurate, complete, and in student’s own words | Information is acceptable and complete | Some information is inaccurate / confusing | Information is incomplete / confusing |
| Format | Presentation flows well; Format is professional; Proper spelling and grammar is used | Some spelling / grammar errors OR Flow needs improvement | More professionalism needed | Format needs much improvement |
| Presentation  Delivery (your live performance) | Presentation delivered within required timeframe; Good eye contact with audience; Appropriate posture and dress; No hands in pockets; No gum chewing; No “filler” words; Appropriate volume and tone; No direct reading; Presentation was enjoyable; | Presentation delivered within required timeframe; Delivery was acceptable | Presentation slightly shorter / longer than required timeframe / presentation delivery needs some improvement | Presentation significantly shorter / longer than required / delivery needs much improvement |
| WOW Factor | Presentation is interesting, creative, and visually appealing | Presentation is interesting and creative but more visual appeal needed | Presentation includes all required material but needs more creativity | Overall, presentation needs much improvement |

*\* If the minimum level is not achieved for a specific criteria, no points will be accumulated for that row.*

**Tentative: Phase XIII: Physical Scale Model (TBD)**