INDIVIDUAL ARCHITECTURAL / DRAFTING SUBMISSION – INDIVIDUAL PARTICIPATION

Challenge:

Develop One of the Two Luxury Rental Apartment “Grey Shell” spaces defined as a part of the Master Plan Submission.

Total Size: Approximately 1,500 sf

Design Guidelines:

- Refer to the analyses of the surrounding area, completed as a part of the Master Plan Submission, to determine the context within which you will be designing.
- Develop massing for the schematic Lodge layout provided as a part of the Master Plan Submission (Including your Rental Apartment).
- Create building elevations that seek to provide visual variety through unique architectural features.
- Students should research architects and designers and are encouraged to review and interpret their selected architect or design firm’s aesthetic style, drawing techniques, floor and spatial arrangements, and consider those techniques while completing their own designs.
- Students are required to design within the AIA’s “Framework for Design Excellence.” Students will need to justify their decisions to their mentors and include justification in the design narratives, noting how it applies to the measures.

Individual Architectural / Drafting Requirements:

Residential Criteria:

The following are suggestions only:

- 2-4 Bedrooms (a minimum of one window per bedroom).
- Great Room / Family Room.
- Mud Room.
- Dining Room.
- Kitchen.
- Laundry Room.
- 1-2 Bathrooms.
- Additional rooms as student deems appropriate.
- Rental Apartment may not be more than (2) stories in height.
- Rental Apartment must include access to a form of open space, separate from the public or semi-private space(s) created on the master plan.
Notes/Hints:

- Try creating a fictional guest to occupy the space. Consider what this guest/client would need and request for the spaces that you are designing.
- Consider specific recreational activities (skiing, snowboarding, picnicking, hiking, etc.) and how they may help influence the layout of the apartment (for example, potentially guiding your decision to include additional spaces to accommodate these activities.)
- Address the connection to the adjacent lodge building, and what kind of transition might be necessary to offer a level of privacy and seclusion.
- Lodge building “look and feel” is to be provided by students as a part of the individual submission.
- Open spaces do not necessarily mean large spaces. As well, guest open spaces may abut or adjoin the master-planned open spaces but must retain some form of ownership or privacy to the individual unit.)
- Reach out to your mentors to help understand Development Standards and Building Code requirements.
- Individual design shall touch on a minimum of (4) measures of the AIA’s “Framework for Design Excellence.” This shall be outlined in the design narrative. Students will need to justify their choices to mentors during the routine reviews.
- Refer to the Northwest Clark County Land Use Plan for specific development requirements on Mt Charleston.

Submittal Requirements – Individual Architectural/Drafting Design

An individual student is to select and develop one of two Luxury Rental Apartments “shelled out” in the Master Plan Submission. The “cover sheet” (first page) of the submittal should show either the schematic lodge plan with that developed space clearly highlighted, or a rendering of the project. Individual student submittals will be judged for: Citation Award, Merit Award, Honor Award and Honorable Mention. The following drawings are required:

- **Overall Floor Plan** – The developed space must be clearly highlighted. This should be on the first page of the drawings, or the second page if the student chooses to include a rendering on the cover. Plan to include schematic lodge layout with that developed apartment space clearly defined.
- **Floor Plan(s)** – Provide a floor plan for each level of the apartment.
- **Enlarged Floor Plan(s)** – If required due to scale of primary floor plans, provide an enlarged floor plan for at least one room or space in the apartment. Plan should be scaled at no less than ½” = 1’-0”.
- **Interior Elevations** – Student to select at least one room/area in the apartment and develop the interior elevations of that space.
- **Building Elevations** – (Entire Lodge Including Apartment) Building elevations capturing the student’s innovative design approach. The building façades should enhance and create visual variety through its unique architectural features and use of materials.
• **Building Sections** – (Apartment) Building sections (one minimum) showing spatial variation and the hierarchies of the various programmatic elements.

• **Perspective Drawing** – One minimum (Revit, AutoCAD, Hand-Drawn, etc. are all acceptable). Perspective drawings can be of an exterior view or interior view. (Hint: Quality over Quantity. Rather than taking several undeveloped views of a model, consider taking one or two exceptional views with a higher degree of development.)

• **Design Statement** – Write one short paragraph describing what you are trying to achieve in your design and how your concept ties to a selected architect / firm’s ideas. Describe how your design has followed elements of at least (4) measures of the “Framework for Design Excellence” (maximum of 150 words).

• **Highly Recommended** – Include a sheet which illustrates any site or building analyses, concept sketches, photographs of schematic models, and research completed to help you develop your site. **HINT:** This sheet has, in past years, been very helpful to judges, as it helps describe the *process* of your design (which is something that those who continue on to Architecture programs in college will have to do).

• **Optional** – Students may also include additional drawings that help describe / explain their project. These may include additional sketches, details, landscape plan, renderings / perspectives, etc.

*Use spell check and have a mentor, parent, and/or teacher read your design statement!!!

*Be considerate of the layout of sheets, text size, etc. Once complete and prior to submitting, check your project and sheet set one more time to ensure no sheets are missing.

Individual student submittals are to consist of drawings and PDFs, sized at 18” x 24” or 24” x 36”. All work presented and submitted must be completed by the individual student. Projects may be worked on in class, at home, or as determined by the teacher. Bind sheets along the left edge by stamping. Do not tape, fold together or paper clip the sheets. Individual PDFs must be combined and submitted as a single PDF file. Provide only the following information on the title block located on the lower right-hand corner of all sheets:

- Student initials (do not include names)
- Student ID number
- Name of High School
- AIA High School Design Contest 2021-2022
Judging Criteria for Individual Architectural/Drafting Design:

Awards will be made based on the merits of your design, the validity of the programming solution, and completeness of drawings. The design statement should inform the judges about your design intent so that they may judge how well you have met your design goals. The top entries will be those whose architectural aesthetics are innovative and enhance the architectural and community-based needs of the surrounding area.

Technical Approach

The top entries will be those that accurately graphically represent their design ideas through plans, enlarged drawings, sketches, sections etc. The top entries will meet all the requirements listed under the ‘Individual Student Submittal’ section of this program and should be graphically represented in a clear and neat manner so that it is easy to read and understand.

It is understood that there may be numerous challenges this year, specifically with regards to software and communication. Please work with your instructors to determine the best method(s) to complete your submission. Think outside of the box in how information can be adequately conveyed. Your instructors and mentors will be in constant contact with the Committee.

Use your mentors. Have them show you the many great examples that are out there to spur imagination. Let them help you develop your designs and drawings throughout the year. Be open-minded to their suggestions and be willing to experiment.

Be creative. Have fun.