

## PLAN REVIEW PRESTIGE FITNESS CLUB AND SPA DIAMONDHEAD

August 1, 2022

City of Diamondhead  
Planning Department  
Attn: Ronald Jones, Building Official  
5000 Diamondhead Circle  
Diamondhead, MS 39525

### RE: Plan Review Prestige Fitness Club and Spa: Diamondhead

We have completed our review of the plan submittal for the above referenced project. Please see the list of items below that need to be provided or corrected. Please note, this review does not relieve the original engineer of his responsibility to ensure that the drawings meet all project and code requirements.

This review is based on the following codes:

- 2018 ICC International Building Code
- 2020 NEC Electrical Code
- 2018 ICC Plumbing Code
- 2018 ICC Mechanical Code
- 2018 ICC Fuel Gas Code
- 2018 ICC Fire Code
- 2010 Americans with Disabilities Act
- City of Diamondhead Code of Ordinances

Project Location:

4422 Kalani Drive  
Diamondhead, MS 39525

**\*\*Design professional to provide a response, in writing, to all comments presented in this letter. All plan revisions should be clouded and notated on the title block.\*\***

**\*\*Revised plans for the PJ's Coffee buildout were not submitted.\*\***

Please find the attached.

Plan Review  
0275.20.007 Prestige Fitness Club and Spa Diamondhead

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**PART A: CIVIL REVIEW**

A1. Drainage Calculations/Impact Study

1. Please provide additional calculations that identifies the drainage areas and details for the proposed detention method.

Please find the attached

**PART B: ARCHITECTURAL REVIEW**

B.1 A101

1. Pool & hot tub requires ADA access.
2. Add vertical 18" grab bars at all showers.
3. "Corridor shall be ½ hour smoke rated, tight to roof" Smoke barriers should be 1 hour rated. P-2 walls should also be sealed to roof, floors, and at gyp. bd. seams. Provide self-closing door hardware as required.

Completed

**PART C: STRUCTURAL REVIEW**

C2. General

1. Exterior wall metal stud framing shall be designed to meet wind load pressures (either by engineer or contractor), and shall be stamped and sealed by an engineer licensed in the State of project location.

This will be provided by the owner in a submittal to the city.

**PART D: FIRE PROTECTION REVIEW**

- D1. Fire protection design basis is inadequate. Submit general design guidelines, details, occupancy hazard, etc. and/or provide a complete design and hydraulic calculations by a licensed fire protection designer/contractor (must be submitted shortly following project award).

This will be provided by the owner in a submittal to the city.

**PART E: MECHANICAL REVIEW**

E1. M101

1. Background is not visible for PJs and plan is not in set.

Please find the attached plans for PJs

**PART F: PLUMBING REVIEW**

F1. P101

1. Complete water supply sizing. Mains are sized and individual fixture branches are sized (on schedule) but intermediate lines are not sized.

F2. P102

2. Condensate lines shall not be directly connected to the sanitary system. An air gap or air break is required. See IPC 802.1.5.
3. Complete vent line sizing. Roof terminations are sized and individual fixture branches are sized (on schedule) but mains and intermediate lines are not sized.

Completed

**PART G: ELECTRICAL REVIEW**

G1. E102 – Provide emergency egress lighting at all exterior exits.  
completed

The design professional in charge is responsible and shall verify that all the items listed above are addressed appropriately with the Authority Having Jurisdiction for final approval to proceed. Please provide two (2) complete sets of the revised construction documents with any addenda to City of Diamondhead Building Department prior to work commencing. If you have any questions or concerns, please do not hesitate to contact our office at 228.388.1950.

Sincerely,



Machado|Patano  
Gerrod W. Kilpatrick, PE  
Principal



Machado|Patano  
Fernanda A. Silva, AIA  
Principal