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PAVILION (BID ALT. NO. 2)

ONE CERTIFICATIONS

ZONING CERTIFICATION
I hereby certify that, to the best of my knowledge, these plans comply with applicable zoning ordinances, and that plans have been submitted to appropriate authority for their review and/or approval.

EROSION AND SEDIMENT REDUCTION/STORMWATER MANAGEMENT
Designer's Certification: I hereby certify that the measures in this plan are designed to control erosion, retain sediment on the site, and manage stormwater in a manner that neither any on-site nor off-site damage or problems is caused or increased, that all structural measures are designed to the minimum standards for health and safety, and that all the provisions of the plan are in compliance with the Regulations contained in Chapter 72, Article 2, SC Code of Regulations (Erosion and Sediment Reduction and Stormwater Management Regulations).

TABLE 1 FLOOD HAZARD INFORMATION & FLOOD LOADS
FLOOD HAZARD AREA
Flood Map Information: Flood Zone AE-14 Community Number: 455412
Parcel Number: 45019C0512L
Base Flood Elevation: 14.0 MSL
Design Flood Elevation: 15.0 MSL

TABLE 2 SOILS & SITE
SOILS INVESTIGATION (if required): Yes No per IBC 1803.2
SOILS CLASSIFICATION
Site Class E per IBC 1803.3.2
Classes Soil of Materials (SCS System) SF, SM, SC per IBC 1803.5.1
Minimum Design Soil Bearing Load 5000 psf per IBC Table 1806.2

TABLE 3 BASIC BUILDING CODE INFORMATION
CONSTRUCTION CLASSIFICATION Type VB (IBC 602)
OCCUPANCY CLASSIFICATION (indicate all) A-2 (IBC 302)
MOST RESTRICTIVE OCCUPANCY CLASSIFICATION A-2 (IBC Tables 504.3, 504.4 & 506.2)

OTHER FIRE PROTECTION SYSTEMS, DEVICES OR FEATURES
If the building has any special or mobile fire protection or safety feature or hazard the designers should list the feature, describe the performance characteristics and refer to locations in construction documents (e.g. fire extinguisher, smoke evacuation control, occupant counts, etc.) (IBC 134.1.3.)

TABLE 4 BUILDING AREA
AREA LIMIT BY TABLE 506.2 OF IBC 18,000 SF
AREA INCREASES BY SECTION 506.3 OF IBC 4,500 SF
TOTAL ALLOWED AREA OF BUILDING 22,500 SF

TABLE 5 BUILDING HEIGHT
AS DESIGNED AS ALLOWED BY IBC
PER TABLE 504.3 22'-0" N/A 40'-0" N/A

TABLE 6 BUILDING DESIGN OCCUPANT LOAD
STORY/LEVEL FUNCTION OF SPACE A FLOOR AREA B MAX AREA C OCCUPANTS D DESIGN
ASSEMBLY (UNCONC) 540 NSF 15 NSF 17 .37

TOTAL BUILDING DESIGN OCCUPANT LOAD .37 #

TABLE 7 GENERAL FIRE PROTECTION REQUIREMENTS
SEPARATIONS
Fireblocking Required Yes No per IBC Section 718
Smoke Control System Required Yes No per IBC Section 909
Smoke Barriers Required Yes No per IBC Section 467 and 468

TABLE 8 FIRE RESISTANCE RATING OF BUILDING ELEMENTS
BUILDING ELEMENT RATING AS REQUIRED RATING AS DESIGNED TESTING AGENCY & DESIGN NO. DESIGNER'S WALL PARTITION KEY CODE

TABLE 9 STRUCTURAL DESIGN INFORMATION
RISK CATEGORY IBC Table 1604.5
LIVE LOADS
Floor Live Load(s) - List the F_L for each occupancy/use: OCCUPANCY/USE F_L = 100 PSF

SEISMIC LOADS
Seismic Importance Factor I = 1.0 ASCE 7 Table 1.5-2
Site Class E IBC 1613.3.2
Mapped Spectral Response Accelerations S_s = 1.165 S_i = 0.371

ARCHITECTURAL-MECHANICAL-ETC. LOADS
Provide as applicable: architectural items, mechanical, plumbing, etc. per ASCE 7

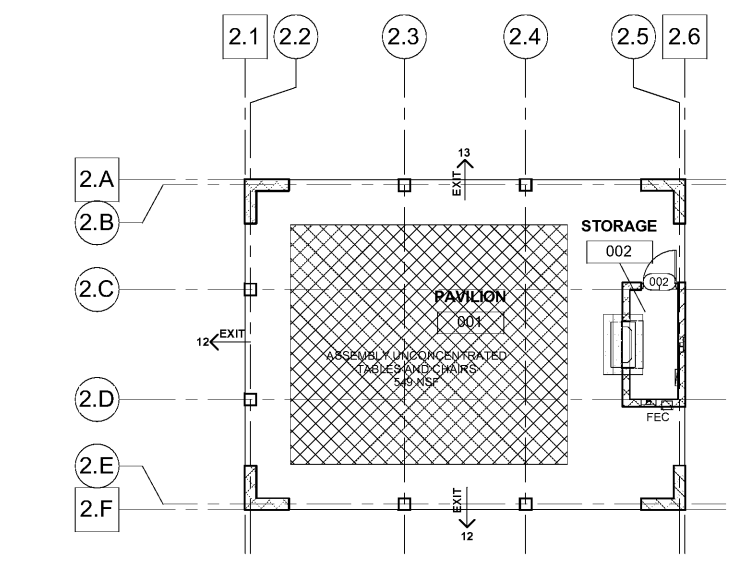
TABLE 10 PLUMBING INFORMATION
WATER SYSTEM
Service Line Size 2 inches
Sanitary Sewer System
Loading 65 DFL GPD

MINIMUM PLUMBING FIXTURES REQUIRED/PROVIDED
Occupancy Classification(s) as shown in Table 5-3: A-2
Total Building Design Occupant Load (as shown in Table 5-6): .37

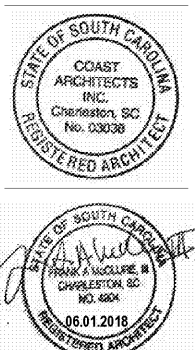
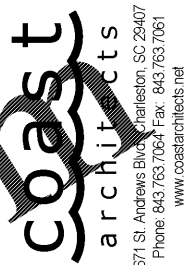
TABLE 11 MECHANICAL INFORMATION
AIR COMFORT SYSTEMS
Overall Thermal Transfer Value (OTV): NA BTU/(HR x °F x SF)

TABLE 12 ELECTRICAL INFORMATION
SERVICE TRANSFORMER: By Utility Company
ELECTRICAL SERVICE INFORMATION
Service Voltage/Phase: SEE SHEET 0.G002 Amperes

NOTES
SEE LIFE SAFETY LEGEND ON SHEET 0.G003



PLAN NORTH
PAVILION GROUND FLOOR PLAN
SCALE: 1/8" = 1'-0"



BOATING CENTER REDEVELOPMENT - SWAIN BOATING CENTER H09-9617-PG-C
CITADEL THE MILITARY COLLEGE OF SOUTH CAROLINA
11 HAMMOND AVENUE CHARLESTON, SC

DRAWN BY: FAM
CHECKED BY: FAM
DATE: 06.01.2018
COAST PROJECT NO: 1722.00

PAVILION CODE TABLES AND LIFE SAFETY PLAN

0.G004