OCCUPANCY A-3	OCCUPANCY B	TOTAL
0.842 WC MEN	0.8 WC MEN	1.642 WC MEN
0.515 LAV MEN	0.5 LAV MEN	1.015 LAV MEN
0.515 LAV WOMEN	0.5 LAV WOMEN	1.015 LAV WOMEN
1.585 WC WOMEN	0.8 WC WOMEN	2.385 WC WOMEN

TABLE 5-10 PLUMBING INFORMATION

WATER SYSTEM

Service Line: 1 1/2" Inches
Peak Flow: 25.2 GPM
Total Demand: 36.65 No. Fixture Units

SANITARY SEWER SYSTEM

Loading:188 GPD
Service Line Size:4 Inches
Slope: .0125 min inches/ft

MINIMUM PLUMBING FIXTURES REQUIRED/PROVIDED			Per IPC Section 403 & Table 403.1	
	Male-Required	Male-Provided	Female-Required	Female-Provided
Water Closets	1	1	2	2
Lavatories	1	1	1	1
Urinals*	1	1		
OTHER FIXTURES (Per IPC Sections 403 & Table 403.1)			Required	Provided
Drinking Fountains			1	2
Unisex Toilet			--	--
Service Sink			1	1
Other (list)				

* Urinals - See IPC 419.2
Where mixed Occupancies occur within buildings, expand this table to indicate Occupant loads for each.
The minimum required toilet fixtures are calculated for the total Design Occupant Load indicated in Table 5-6.

TABLE 5-11 MECHANICAL INFORMATION

AIR COMFORT SYSTEMS

Overall Thermal Transfer Value (OTTV): 45.5
Building Cooling Load: 263.5 SF / TON
Building Heating Load: 0.0.34 BTUH* / SF (*BTUH = BTU/Hour)

OTHER LOADING FEATURES

Glass: U Factor: 0.6 Window to Wall Ratio 0.15
Insulation Values: Roof: 0.044 Exterior Walls 0.065

Outside Air minimum while occupied 1024 CFM 22 Occupants

MECHANICAL SYSTEMS, SERVICE SYSTEMS & EQUIPMENT

Briefly describe mechanical system:
The Council Chambers is conditioned by a constant volume split system heat pump provided with economizer cycle capabilities
The Administration Building is conditioned by a VRF system and a dedicated outdoor air unit.

(The above data shall be considered a minimum and any special attribute required to meet the mechanical codes.)

TABLE 5-12 ELECTRICAL INFORMATION

SERVICE TRANSFORMER ☒ By Utility Company ☐ By Agency (if by Agency)
TBD by Utility KVA Primary TBD by Utility Voltage/Phase

ELECTRICAL SERVICE INFORMATION

Service Voltage/Phase 120/208V, 3PH/4W, 600A Amperes
Service Entrance Conductors Size 2 Sets of (4) 400 KCMIL, #1/0G in 4"C Quantity per Phase
Total Connected Load 102527 KVA
Estimated Maximum Demand 56390 KVA
Available Fault Current in Symmetrical Amperes 13,195
Interrupting Capacity of Service Overcurrent Device: 22,000
GROUNDING ELECTRODE SYSTEM COMPONENTS: #3/0 GEC (NEC 250)

SERVICE TRANSFORMER

Emergency Generator ☐ no ☒ yes 170 KVA 120/208V, 3PH/4W Voltage/Phase Diesel Oil Fuel
Exit/Emergency Lights Backup Power ☒ Integral Battery ☐ Generator
Fire Alarm System ☐ Manual ☒ Automatic ☒ Addressable ☐ Class A ☒ Class B

LIGHTNING PROTECTION PROVIDED ☐ no ☒ yes

COMMUNICATIONS COORDINATED ☒ not required ☐ yes
Contact DSIT Network/Infrastructure Planning for applicability at (843) 896-0001

TABLE 5-14 STATEMENT OF SPECIAL INSPECTIONS

The Designer(s) of Record shall determine the material and/or work on the project requiring Special Inspections. The Special Inspection requirements shall be based on Section 1705 of the 2012 International Building Code. Any deviations from the requirements of Section1705 must be approved by AHJ

PROJECT NAME:

PROJECT NUMBER:

MATERIAL	TYPE OF INSPECTION	FREQUENCY	SPECIFICATION REFERENCE	INSPECTION BY
REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS

Liollio architecture
147 Wappoo Creek Drive
Suite 400
Charleston, SC 29412

P 843.762.2222

△	Revision Date	Description

Town of James Island

TOWN HALL

1122 Dills Bluff Road
Charleston, SC 29412

Project Number:	15102
Checked By:	JGC
Drawn By:	EGB
Date:	04/03/17
Scale:	

G003
CODE REVIEW

Order Plans @ www.DLine.com

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