



JOB NAME: BEACH HIGH SCHOOL AUDITORIUM
 3001 Higgins Street
 Savannah, Georgia 31405
 Chatham County Public School System

SHEET NAME: ELECTRICAL PANEL SCHEDULES

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106 NO. 201801
 DRAWN: CCS | CHECKED: WOV | REVISIONS:
 DATE: SEPT. 4, 2018 100% SCHEMATIC DESIGN
 OCT. 29, 2018 100% DESIGN DEVELOPMENT
 APRIL 5, 2019 80% CONST. DOCUMENTS
 MAY 17, 2019 100% CONST. DOCUMENTS

SHEET NUMBER

E6.01

RELEASED FOR CONSTRUCTION
 FACILITY CODE: 625-0312

PANEL: MDP
 VOLTAGE: 120/208 Wye MAINS RATING: 1000 A LOCATION: MOUNTING: Surface
 PHASE: 3 MAINS TYPE: M.L.O. NEMA RATING: Indoor
 WIRES: 4 FED BY: TOTAL DEMAND... 297881 VA
 A.L.C. RATING: 42,000

CKT	TRIP	POLES	CIRCUIT DESCRIPTION	A	B	C	CIRCUIT DESCRIPTION	POLES	TRIP	CKT
1				13795	4150 VA					2
3	225 A	3	A		19885	4150 VA	WH-1		40 A	4
5						17596	4150 VA		40 A	4
7				7686 VA	4150 VA					8
9	80 A	3	THEATRICAL DIMMING PANEL	7686 VA	7360 VA					10
11						7686 VA	7080 VA	T-AV		12
13				18782	5640 VA					14
15	200 A	3	RAC-1		18782	28413				16
17						18782	28413	RAC-2		18
19				18782	28413					20
21	200 A	3	RAC-3		18782	0 VA				22
23							18782	0 VA	SPD, NOTE 1	24
25	20 A	2	DHP-3/DAH-3	1002 VA	0 VA					26
27					1002 VA					28
29	25 A	2	DHP-2/DAH-2	1498 VA						30
31						1498 VA				32
33	25 A	2	DHP-1/DAH-1		1498 VA					34
35						1498 VA				36
37										38
39										40
41										42
				103977 VA	107657 VA		105483 VA			
				966 A	899 A		881 A			

NOTES:
 1. SIZE BREAKER PER MANUFACTURER'S RECOMMENDATIONS.
 2. SERVICE ENTRANCE RATED.

PANEL: AV
 VOLTAGE: 120/208 Wye MAINS RATING: 150 A LOCATION: MOUNTING: Surface
 PHASE: 3 MAINS TYPE: M.B. NEMA RATING: Indoor
 WIRES: 4 FED BY: T-AV TOTAL DEMAND... 15860 VA
 A.L.C. RATING: 10,000

CKT	TRIP	POLES	CIRCUIT DESCRIPTION	A	B	C	CIRCUIT DESCRIPTION	POLES	TRIP	CKT
1	20 A	1	RECEPTACLE	900 VA	900 VA				20 A	2
3	20 A	1	RECEPTACLE		900 VA	900 VA			20 A	4
5	20 A	1	RECEPTACLE GALLERY/DISPLAY		900 VA	180 VA			20 A	6
7	20 A	1	RECEPTACLE	900 VA	180 VA				20 A	8
9	20 A	1	RECEPTACLE		900 VA	180 VA			20 A	10
11	20 A	1	RECEPTACLE AUDITORIUM 20		900 VA	180 VA			20 A	12
13	20 A	1	RECEPTACLE AUDITORIUM 20	900 VA	1200 VA				20 A	14
15	20 A	1	AV FLOORBOX		900 VA	900 VA			20 A	16
17	20 A	1	AV FLOORBOX		900 VA	900 VA			20 A	18
19	20 A	1	RECEPTACLE STAGE 1105	1200 VA	0 VA				20 A	20
21	20 A	1	RECEPTACLE STAGE 1105		1200 VA	0 VA			20 A	22
23	20 A	1	RECEPTACLE STAGE 1105			1200 VA	0 VA		20 A	24
25	20 A	1	RECEPTACLE STAGE 1105	1200 VA	0 VA				20 A	26
27	20 A	1	RECEPTACLE STAGE 1105		1200 VA	0 VA			20 A	28
29	20 A	1	RECEPTACLE STAGE 1105			1200 VA	0 VA		20 A	30
31	--	--	SPACE	0 VA	0 VA				--	32
33	--	--	SPACE		0 VA	0 VA			--	34
35	--	--	SPACE			0 VA	0 VA		--	36
37	--	--	SPACE	0 VA	0 VA				--	38
39	--	--	SPACE			0 VA	0 VA		--	40
41	--	--	SPACE				0 VA	0 VA	--	42
				7380 VA	7080 VA		5640 VA			
				63 A	61 A		47 A			

NOTES:

PANEL: A
 VOLTAGE: 120/208 Wye MAINS RATING: 225 A LOCATION: MOUNTING: Surface
 PHASE: 3 MAINS TYPE: M.L.O. NEMA RATING: Indoor
 WIRES: 4 FED BY: MDP TOTAL DEMAND... 41280 VA
 A.L.C. RATING: 22,000

CKT	TRIP	POLES	CIRCUIT DESCRIPTION	A	B	C	CIRCUIT DESCRIPTION	POLES	TRIP	CKT
1	20 A	1	LIGHTING	1322 VA	1080 VA				20 A	2
3	20 A	1	LIGHTING		1082 VA	1260 VA			20 A	4
5	20 A	1	LIGHTING CROSSOVER 1106			900 VA	1260 VA		20 A	6
7	20 A	1	LIGHTING	780 VA	1440 VA				20 A	8
9	20 A	1	LIGHTING		841 VA	1200 VA			20 A	10
11	20 A	1	LIGHTING			674 VA	720 VA		20 A	12
13	20 A	1	2ND FLOOR LIGHTING	380 VA	360 VA				20 A	14
15	20 A	1	RECEPTACLE LOBBY VESTIBULE		1080 VA	1080 VA			20 A	16
17	20 A	1	RECEPTACLE LOBBY VESTIBULE			1080 VA	900 VA		20 A	18
19	20 A	1	RECEPTACLE ROOM 2, 3, 4, 20, 19	1260 VA	900 VA				20 A	20
21	20 A	1	RECEPTACLE ROOM 1		1260 VA	720 VA			20 A	22
23	20 A	1	RECEPTACLE ROOM 20, 19, 18			1080 VA	400 VA		20 A	24
25	20 A	1	RECEPTACLE ROOM 20	720 VA	900 VA				20 A	26
27	30 A	1	HAND DRYER		1800 VA	900 VA			20 A	28
29	30 A	1	HAND DRYER		1800 VA	900 VA			20 A	30
31	20 A	1	HAND DRYER	1800 VA	900 VA				20 A	32
33	20 A	1	HAND DRYER		1800 VA	1260 VA			20 A	34
35	20 A	1	EXTERIOR LIGHTING			1300 VA	900 VA		20 A	36
37	20 A	1	EXTERIOR LIGHTING	600 VA	540 VA				20 A	38
39	20 A	1	RECEPTACLE ELECTRICAL ROOM		360 VA	0 VA			20 A	40
41	20 A	1	OVERHEAD DOOR			500 VA	0 VA		20 A	42
43	20 A	1	OVERHEAD DOOR	500 VA	0 VA				20 A	44
45	20 A	1	SPARE		0 VA	0 VA			20 A	46
47	20 A	1	SPARE			0 VA	0 VA		20 A	48
49	20 A	1	SPARE	0 VA	0 VA				20 A	50
51	20 A	1	SPARE		0 VA	342 VA			15 A	52
53	20 A	1	SPARE			0 VA	342 VA		15 A	54
55	20 A	1	SPARE	0 VA	342 VA				15 A	56
57	20 A	1	SPARE		2500 VA	2500 VA			30 A	58
59	20 A	2	UPS			2500 VA	2500 VA			60
				13824 VA	19885 VA		17656 VA			
				115 A	171 A		152 A			

NOTES:
 1. PANEL SHALL BE 2-SECTION TYPE. DIVIDE CIRCUITS EVENLY BETWEEN THE TWO SECTIONS. BOTH SECTIONS SHALL BE THE SAME PHYSICAL SIZE.

MECHANICAL EQUIPMENT RATINGS AND CONNECTIONS

ITEM	VOLT	PH	TTL AMPS	FL	MSEP	CONTROL/ DISCONNECT BY DIV 23	CONTROL/ DISCONNECT BY DIV 26	WIRE SIZE
RAC-1	208 V		156 A	168.9	200/3	--	200/3/3R	4#3/0,#6G,2-1/2" C
RAC-2	208 V		237 A	267	300/3	--	400/3/3R	4#350 KCMIL,#4G,3-1/2" C
RAC-3	208 V	3	156 A	173.4	200/3	--	200/3/3R	4#3/0,#6G,2-1/2" C
DHP-3/DAH-3	208 V		10 A	13.0	20/2	--	30/2/3R	2#12,#12G,1/2" C
EH-1	208 V		24 A	30.0	30/2	YES	--	2#10,#10G,3/4" C
WH-1	208 V	1	40 A	40.0	40/2	--	5m	2#6,#10G,3/4" C
WH-2	208 V	1	40 A	40.0	40/2	--	5m	2#6,#10G,3/4" C
EF-1	120 V	1	3 A	3.6	15/1	YES	--	2#12,#12G,1/2" C
EF-2	120 V	1	3 A	3.6	15/1	YES	--	2#12,#12G,1/2" C
EF-3	120 V	1	3 A	3.6	15/1	YES	--	2#12,#12G,1/2" C

- MECHANICAL EQUIPMENT RATINGS AND CONNECTIONS NOTES:
- REFER TO SECTION 260120 FOR THE COORDINATION AFFIDAVIT THAT MUST BE SUBMITTED AND APPROVED BEFORE MATERIALS MAY BE ORDERED.
 - THE DESIGN IS BASED ON SINGLE POINT CONNECTIONS TO ALL EQUIPMENT, UNLESS NOTED OTHERWISE.
 - WHERE STARTER IS REQUIRED BY DIV 26, IT IS SHOWN AS SIZE 1, ETC. ALL STARTERS SHALL BE COMBINATION TYPE UNLESS INDICATED OTHERWISE. DISCONNECTS ARE SHOWN AS 30/31, ETC.
 - THE INDOOR UNIT RECEIVES POWER FROM THE OUTDOOR UNIT. PROVIDE 30 AMP, 3 POLE TOGGLE SWITCH ON LINE SIDE OF INDOOR UNIT. REFER TO UNIT CUT-SHEETS FOR CONNECTION REQUIREMENTS. DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR ALL WIRING COMPONENTS AND INSTALLATION.

Order Plans @