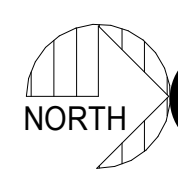
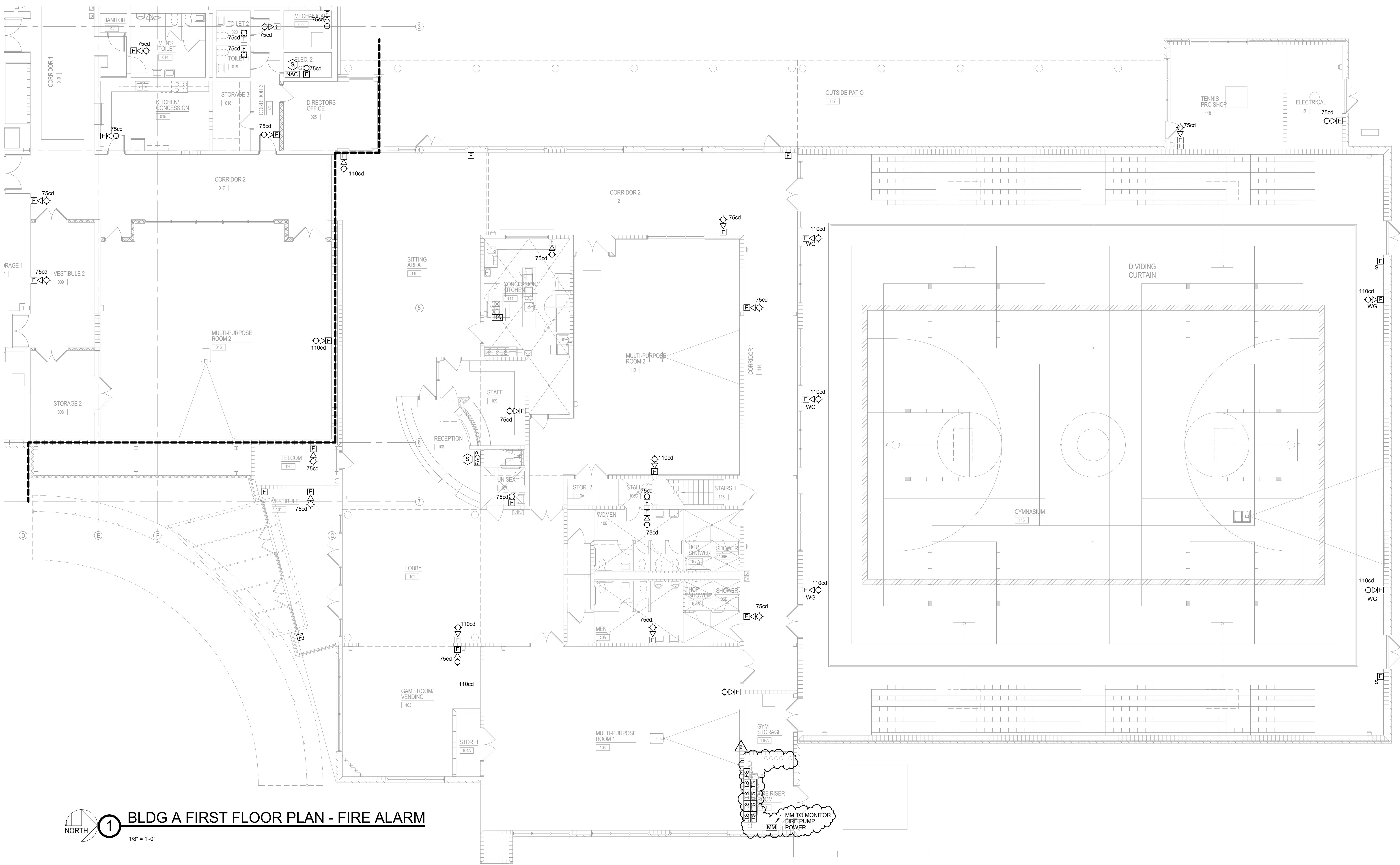


- 1 PROJECTOR RECEPTACLE. COORDINATE EXACT LOCATION WITH ARCH PRIOR TO ROUGH-IN.
- 2 MOTORIZED PROJECTOR SCREEN, COORDINATE EXACT LOCATION WITH ARCH PRIOR TO ROUGH-IN.
- 3 REC TO SERVE A/V EQUIPMENT. COORDINATE EXACT LOCATION WITH A/V DRAWINGS PRIOR TO ROUGH-IN.



FAR LEFT EDGE OF SHEET CONTENTS

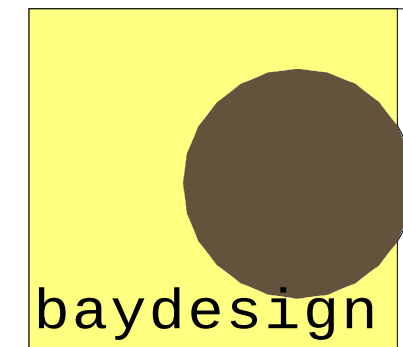
FAR LEFT EDGE OF SHEET CONTENTS



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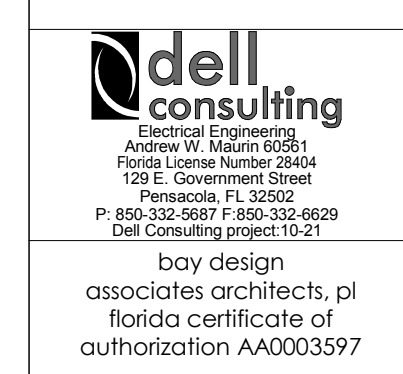
BLDG A FIRST FLOOR PLAN - FIRE ALARM

1/8" = 1'-0"



architecture + sustainability
720 bayfront parkway
suite 200
pensacola, fl 32502
t: 850.432.0706
f: 850.433.0508
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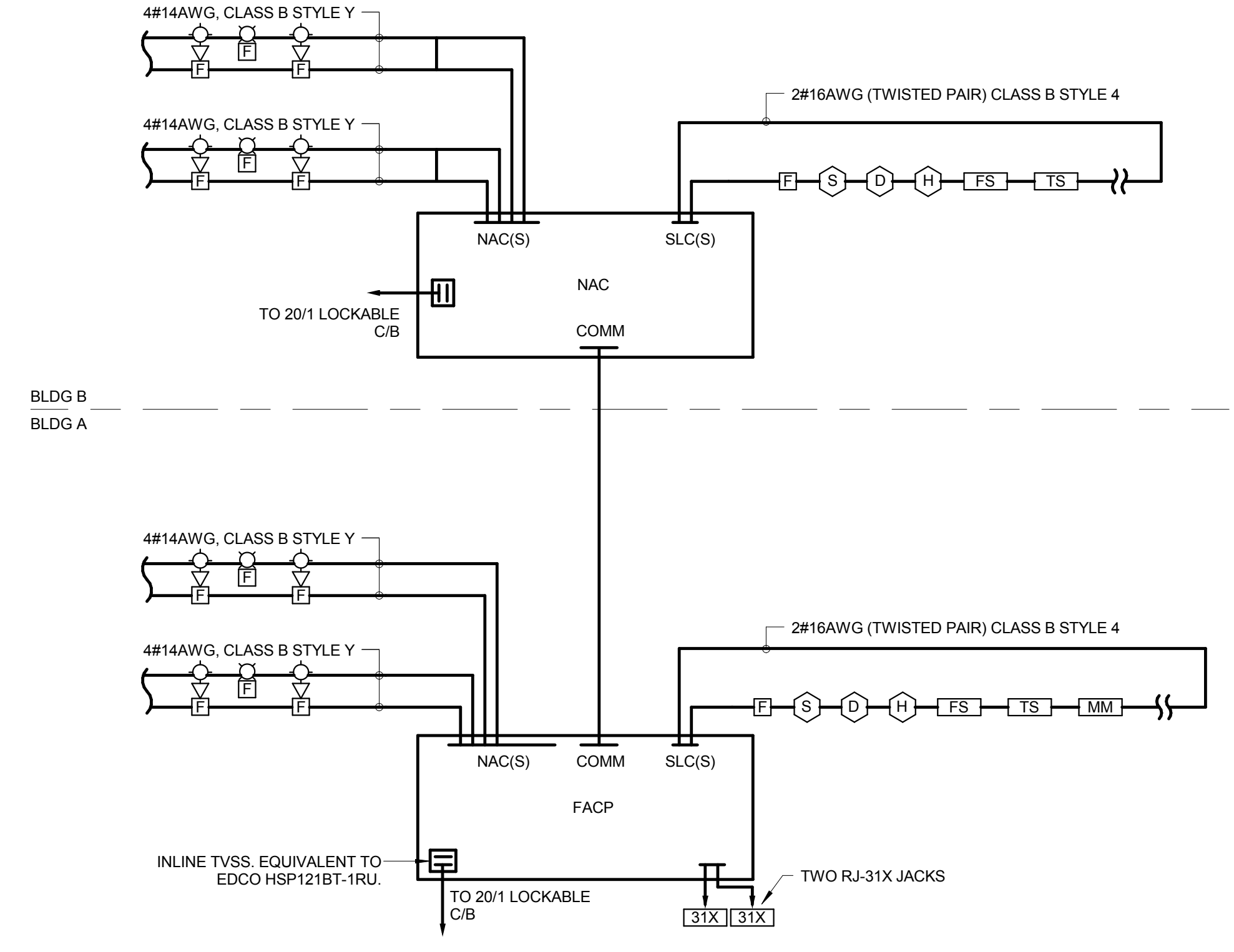
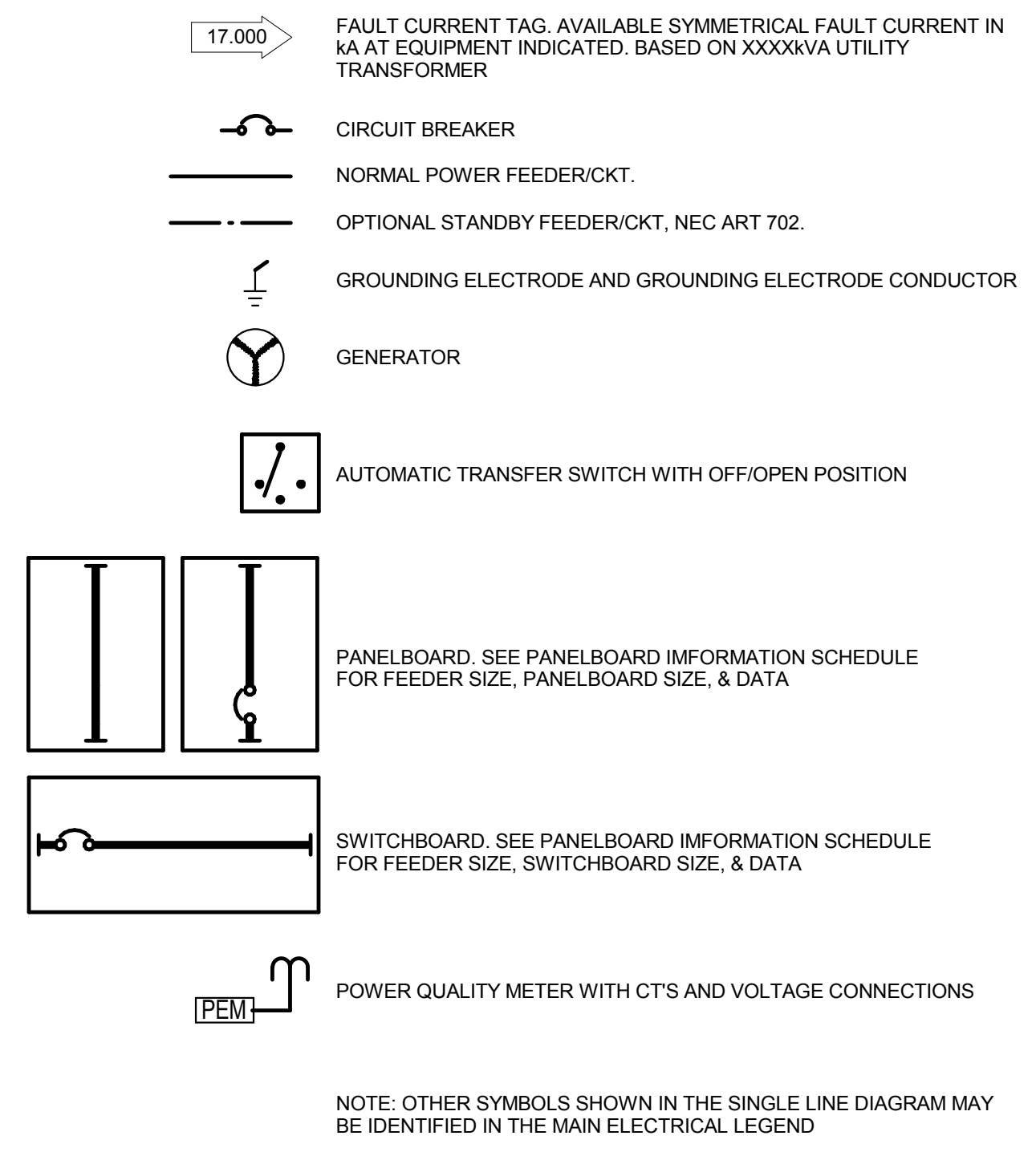
PROJECT:
Gulf Breeze Community Center
803 Shoreline Loop
Gulf Breeze, FL 32561
SHEET TITLE:
BLDG A FIRST FLOOR PLAN - FIRE ALARM

PROJECT NO: 2413
FILE NO:
DATE: 06.01.2011
REVISION:
06/20/2011

SHEET
E131

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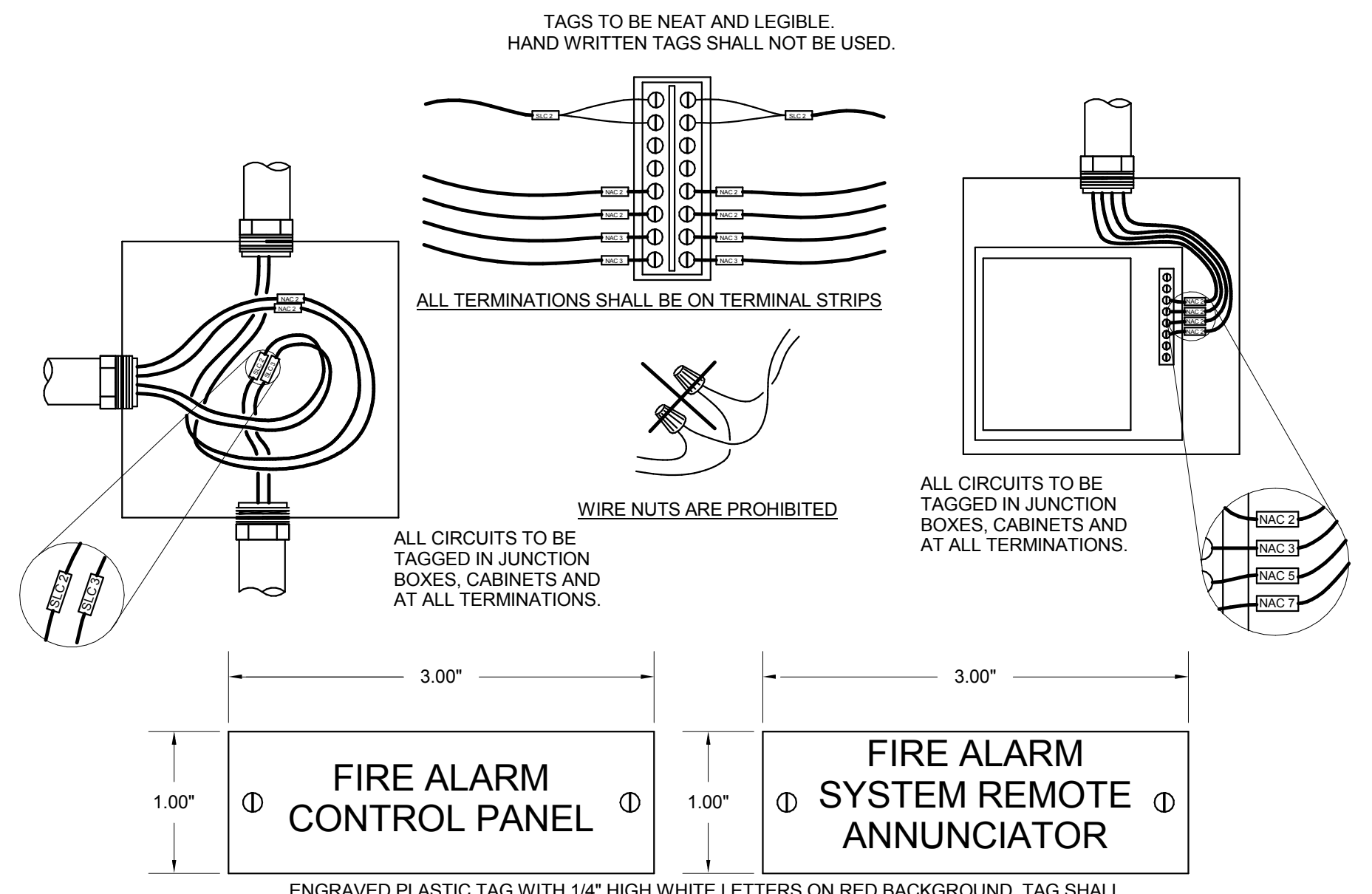
SINGLE LINE DIAGRAM LEGEND



- FIRE ALARM RISER NOTES:
1. THE NAC CIRCUIT IS SHOWN DIAGRAMMATIC. MAXIMUM NUMBER OF STROBES ON ANY CIRCUIT IS LIMITED. SEE SPECIFICATIONS.
 2. CONNECTIONS TO CONTROL RELAYS FOR SMOKE DAMPERS ARE NOT SHOWN ON THE RISER. PROVIDE CONNECTIONS FOR SLC AND NAC AS REQUIRED FOR PROPER OPERATION.
 3. SLC LOOP TO CONNECT TO ALL ADDRESSABLE FIRE ALARM SYSTEM DEVICES. VERIFY DEVICES FROM FLOOR PLANS. PROVIDE ADDITIONAL LOOP(S) AS REQUIRED. SEE SPECIFICATIONS.
 4. 3/4" MINIMUM CONDUIT SIZE FOR FIRE ALARM SYSTEM CIRCUITS. ALL CIRCUITS SHALL BE IN CONDUIT DEDICATED TO THE FIRE ALARM SYSTEM.
 5. BATTERY CABINETS AND NAC EXPANDERS TO BE LOCATED AS NEEDED IN ELECTRICAL ROOMS ONLY.

FIRE ALARM SYSTEM RISER DIAGRAM

NOT TO SCALE

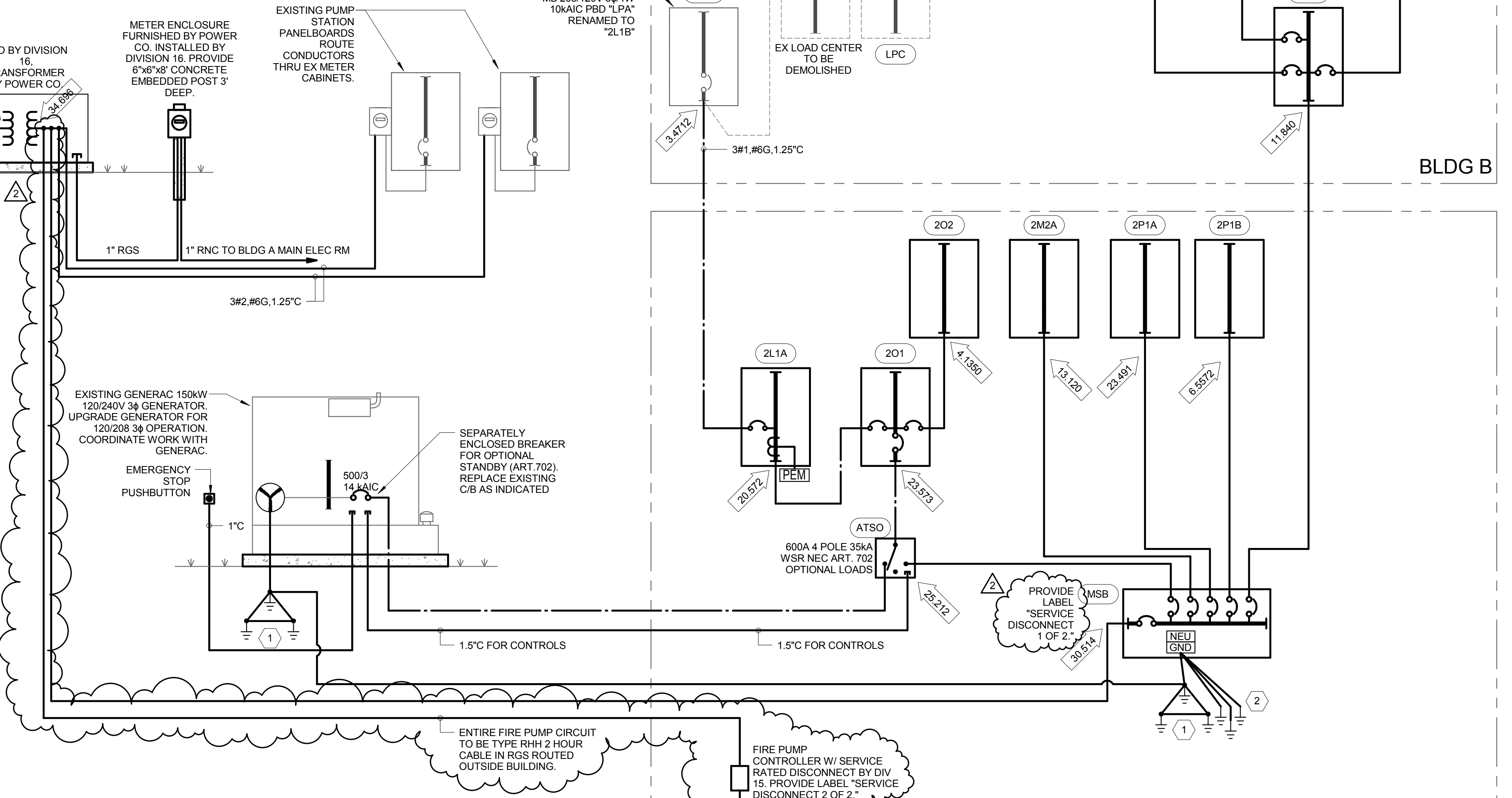


FIRE ALARM SYSTEM LABELING DETAIL

NOT TO SCALE

NOTE: LOCATION OF MAIN BREAKERS AND FEEDERS INTO EQUIPMENT IS NOT INTENDED TO SHOW TOP OR BOTTOM MOUNTED MAIN BREAKER OR BOTTOM, TOP OR SIDE FEEDER ENTRY. THE SINGLE LINE DIAGRAM IS PURELY DIAGRAMMATIC. CONTRACTOR SHALL VERIFY PROPER BREAKER POSITIONS AND FEEDER ENTRIES INTO EQUIPMENT AND PROVIDE AS REQUIRED.

COORDINATE TRANSFORMER INSTALLATION WITH TOGGY PAGE AT GULF POWER (850) 505-5354.



SINGLE LINE DIAGRAM NOTES

- 1 #3/0 GEC TO THREE 20" GROUND RODS ON 20' CENTERS IN EQUILATERAL DELTA ARRANGEMENT.
- 2 #3/0 BONDS TO FOUNDATION REBAR, BUILDING WATER SERVICE AND BUILDING STEEL.

SINGLE LINE DIAGRAM

NOT TO SCALE

LINE TYPE LEGEND

- NORMAL POWER
- OPTIONAL STANDBY
- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED

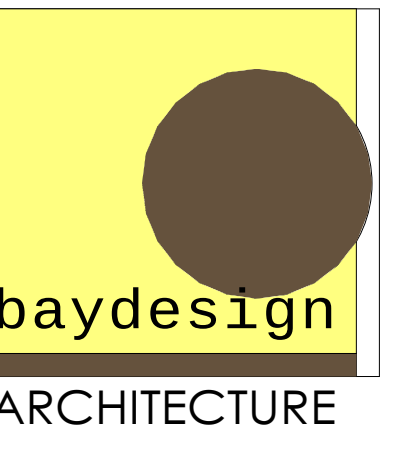
MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE											
MARK	TYPE	#	ITEM	VOLTAGE	Φ	MCA	LOAD	MEANS OF DISCONNECT	C/B TRIP (AMPS)	CIRCUIT Φ	NOTES
CT	BH		COOLING TOWER BASIN HEATER	208 V	3	104 A	330W	2003 N3R SS	110	3#10	#1 1 1/2" C MSB
CT	CF		COOLING TOWER CONDENSOR FAN	208 V	3	77 A	20HP	SEE NOTE 2	90	3#3	#6 1 1/4" C MSB
CT	SP		COOLING TOWER SPRAY PUMP	208 V	3	22 A	5HP	SEE NOTE 2	35	3#10	#10 1/2" C MSB
CWP	1		CHILLED WATER PUMP	208 V	3	32 A	7.5HP	SEE NOTE 3	50	3#8	#10 3/4" C 202
CWP	2		CHILLED WATER PUMP	208 V	3	32 A	7.5HP	SEE NOTE 3	50	3#8	#10 3/4" C 202
DAC	1		MINI-SPLIT AIR HANDLING UNIT	208 V	1	1 A	1A	20/2 N1 TSM	15	2#12	#12 1/2" C 2P1A
DCU	1		MINI-SPLIT HEAT PUMP	208 V	1	18 A	15A	20/2 N3R TSM	25	2#12	#10 1/2" C 2P1A
EF	1		EXHAUST FAN	120 V	1	1 A	FHP	20/2 N3R TSM	15	2#12	#12 1/2" C 2P1A
EF	K		EXHAUST FAN	120 V	1	20 A	1HP	30/1 N3R TSM	30	2#12	#10 1/2" C 2P1B
ERV	1		ENERGY RECOVERY UNIT	208 V	3	18 A	2HP	SEE NOTE 3	25	3#12	#10 1/2" C 2M2A
ERV	2		ENERGY RECOVERY UNIT	208 V	3	18 A	2HP	SEE NOTE 1	25	3#12	#10 1/2" C 2M2A
ERV	3		ENERGY RECOVERY UNIT	208 V	3	18 A	2HP	SEE NOTE 3	25	3#12	#10 1/2" C 2M2B
FP	1		FIRE PUMP	208 V	3	98 A	25HP	SEE NOTE 1	110	3#1	#4 1 1/2" C XFMR
JP	1		JOCKEY PUMP	208 V	3	3 A	1/2 HP	SEE NOTE 1	15	3#12	#12 1/2" C 2M2A
UH	1		UNIT HEATER	208 V	3	11 A	3KW	30/3 N1 SS	25	3#12	#10 1/2" C 2P1A
UH	2		UNIT HEATER	208 V	3	11 A	3KW	C/B	25	3#12	#10 1/2" C 2M2A
UH	3		UNIT HEATER	208 V	3	11 A	3KW	C/B	25	3#12	#10 1/2" C 2M2B
UH	8		UNIT HEATER	120 V	1	11 A	3KW	30/3 N1 SS	25	2#12	#10 1/2" C 2P1A
UH	T		UNIT HEATER	120 V	1	11 A	3KW	30/3 N1 SS	25	2#12	#10 1/2" C 2P1A
WSHP	1A		WATER SOURCE HEAT PUMP	208 V	3	80 A	2HP	C/B	110	3#3	#4 1 1/4" C 2M2A
WSHP	1B		WATER SOURCE HEAT PUMP	208 V	3	80 A	2HP	C/B	110	3#3	#4 1 1/4" C 2M2A
WSHP	2		WATER SOURCE HEAT PUMP	208 V	3	35 A	1.5HP	C/B	45	3#8	#10 3/4" C 2M2A
WSHP	3		WATER SOURCE HEAT PUMP	208 V	1	12 A	10.2A	C/B	20	2#12	#12 1/2" C 202
WSHP	4		WATER SOURCE HEAT PUMP	208 V	3	28 A	24.6A	C/B	45	3#10	#10 1/2" C 2M2A
WSHP	5		WATER SOURCE HEAT PUMP	208 V	3	42 A	2HP	C/B	50	3#6	#10 1" C 202
WSHP	6		WATER SOURCE HEAT PUMP	208 V	1	12 A	9.5A	C/B	20	2#12	#12 1/2" C 2M2A
WSHP	7		WATER SOURCE HEAT PUMP	208 V	3	29 A	24.6	C/B	45	3#10	#10 1/2" C 202
WSHP	8A		WATER SOURCE HEAT PUMP	208 V	3	62 A	1.5HP	SEE NOTE 1	80	3#4	#6 1 1/4" C 2M2B
WSHP	8B		WATER SOURCE HEAT PUMP	208 V	3	62 A	1.5HP	SEE NOTE 1	80	3#4	#6 1 1/4" C 2M2B
WSHP	9		WATER SOURCE HEAT PUMP	208 V	3	27 A	1HP	C/B	35	3#10	#10 1/2" C 2M2B
WSHP	10		WATER SOURCE HEAT PUMP	208 V	3	62 A	1.5HP	C/B	80	3#4	#6 1 1/4" C 2M2B
WSHP	11		WATER SOURCE HEAT PUMP	208 V	3	18 A	15.1A	C/B	25	3#12	#10 1/2" C 2M2B
WSHP	12		WATER SOURCE HEAT PUMP	208 V	1	12 A	10.2A	C/B	20	2#12	#12 1/2" C 2M2B

1. DISCONNECT INTEGRAL TO EQUIPMENT BY DIVISION 15.
2. PROVIDE NEMA 3R COMBINATION FVNR ENCLOSED MAGNETIC MOTOR STARTER NEMA SIZED AS REQUIRED.
3. VFD W/ INTEGRAL DISCONNECT PROVIDED BY DIVISION 15, CONNECTED BY DIVISION 16.
4. LINE VOLTAGE THERMOSTAT PROVIDED BY DIVISION 15.

PANELBOARD INFORMATION SCHEDULE														
MARK	ENCLOSURE	MOUNTING	VOLTAGE	PHASE	WIRE	SERVICE RATED	MAIN BKR	IF MLO SERVING BKR	KAIC RATING	PHASE BUS RATING	N BUS RATING	CONDUCTOR	FEEDER	NOTES
MSB	NEMA 1	FLOOR	208Y/120	3	4	Yes	1600		35	1600 A	100%	5 RUNS #500	NONE	4" C EA 1.2
2D1	NEMA 1	SURFACE	208Y/120	3	4	No	600		14	600 A	100%	2 RUNS #350	#1	3" C EA
2L1A	NEMA 1	SURFACE	208Y/120	3	4	No		225	25	225 A	100%	4#4/0	#3	2 1/2" C
2M2A	NEMA 1	SURFACE	208Y/120	3	4	No		500	14	600 A	100%	2 RUNS #250	#1	3" C EA
2M2B	NEMA 1	SURFACE	208Y/120	3	4	No		400	10	400 A	100%	2 RUNS #250	#2	4" C
201	NEMA 1	SURFACE	208Y/120	3	4	No		500	35	600 A	100%	2 RUNS #250	#1	3" C EA
202	NEMA 1	SURFACE	208Y/120	3	4	No		175	10	225 A	100%	4#2/0	#4	2 1/2" C
2P1A	NEMA 1	SURFACE	208Y/120	3	4	No		125	25	225 A	100%	4#1/0	#4	2" C
2P1B	NEMA 1	RECESSED	208Y/120	3	4	No		200	10	225 A	100%	4#3/0	#6	2 1/2" C
2P1C	NEMA 1	SURFACE	208Y/120	3	4	No		125	10	225 A	100%	4#1/0	#4	2" C

- NOTES: 1. PROVIDE INTEGRAL DIGITAL METER.
2. PROVIDE INTEGRAL TVSS.

SERVICE CALCULATION			
PROJECT	GULF BREEZE COMMUNITY CENTER		
BUILDING AREA (SF)	45,549		
SERVICE VOLTAGE	208/3		
LIGHTING LOAD (OFFICE)	3.5	VA/SF	57,649
LIGHTING LOAD (AUDITORIUM)	1	VA/SF	22,584
LIGHTING LOAD (CORR/STRM)	0.5	VA/SF	2,551
LIGHTING LOAD (STORAGE)	0.25	VA/SF	348
TOTAL RECEPTACLE LOAD	50,640		
1ST 10KVA @ 100%	10,000 10,000		
REMAINDER @ 50%	40,640 20,320		
HVAC LOAD	263,416	125%	329,270
KITCHEN EQUIPMENT (≥ 6 PIECES)	13,168	65%	8,559
MOTOR LOADS	3,876	125%	4,845
OTHER LOADS	28,468	125%	35,585
		TOTAL VA	491,711
		AMPS	1,365



architecture + sustainability
720 bayfront parkway
suite 200
pensacola, fl 32502
p: 850.432.0706
f: 850.433.0508
baydesign.com

SEAL

dell consulting
Electrical Engineering
Andrew W. Hester, P.E.
120 E. Government Street
Pensacola, FL 32502
P: 850.332.4887 F: 850.332.4828
dellconsulting.com/1531

boy design
associates architects, p.c.
florida certificate of
authorization AA0003597

PROJECT: Gulf Breeze Community Center
803 Shoreline Dr.
Gulf Breeze, FL 32561

SHEET TITLE: SINGLE LINE DIAGRAM

PROJECT NO: 2413
FILE NO:
DATE: 06.01.2011
REVISION:
06/20/2011

SHEET
E300

LIGHTING FIXTURE SCHEDULE									
MARK	MANUFACTURER	TYPE	#	WATTS	TOTAL WATTS	VOLTAGE	MOUNTING	NOTES	
F2A	DAY-BRITE 2DPG232-FS19-PAF COLUMBIA, H.E. WILLIAMS	F28T5	2-LAMP	28 W	280 W	120 V	SUSPENDED	RECESSED GRID	PROVIDE SOLID STATE ELECTRONIC BALLAST, A19 LENS 0.156" THICK, MITRED DOOR FRAMES W/SPRING LOADED LATCHES AND PAINTED AFTER FAB.
LF40	LEDALITE 1201F10QS-40-VOLT-FINISH ELLIP1P1PAP BETACAL.CO	F28T5 41K	10-LAMP	28 W	280 W	120 V	SUSPENDED		PROVIDE SOLID STATE ELECTRONIC BALLAST
4LED	OMEGA OMALED20U-R4LED35KCS COLUMBIA, WILLIAMS, METALUX	LED 35K	N/A	20 W	20 W	120 V	RECESSED CEILING		PROVIDE SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
6LED	OMEGA OMBLED27-VOLT-R8LED35KWDCS COLUMBIA, WILLIAMS, METALUX	LED 35K	N/A	27 W	27 W	120 V	RECESSED CEILING		PROVIDE SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
ICL	INTENSE ICL-LED900B35-10-27-BW-FL32-1100 BETA CALCO OR EQUAL	LED 35K	N/A	18 W	18 W	120 V	RECESSED CEILING		PROVIDE DIMMING LED DRIVER
LSL	WILLIAMS LEDSSL60-1100-35K-EDOS-VOLT CAPRI, INTENSE	LED 35K	N/A	20 W	20 W	120 V	RECESSED CEILING		UL LISTED FOR WET LOCATIONS
F2A	H.E. WILLIAMS EPG-S24-228T5S-RA19156-EB2-VOLT DAY-BRITE PRUDENTIAL	F28T5 41K	2-LAMP	28 W	61 W	120 V	RECESSED GRID		PROVIDE PROGRAMMED START ELECTRONIC BALLAST, A19 LENS 0.156" THICK, MITRED DOOR FRAMES W/SPRING LOADED LATCHES AND PAINTED AFTER FAB.
F2AF	H.E. WILLIAMS EPG-S24-228T5S-RA19156-EB2-VOLT DAY-BRITE PRUDENTIAL	F28T5 41K	2-LAMP	28 W	61 W	120 V	RECESSED FLANGE		PROVIDE PROGRAMMED START ELECTRONIC BALLAST, A19 LENS 0.156" THICK, MITRED DOOR FRAMES W/SPRING LOADED LATCHES AND PAINTED AFTER FAB.
F1LT	H. E. WILLIAMS LL6G-4-128T5-SWF-SWFAF125-EB1-UNV DAY-BRITE PRUDENTIAL	F28T5 41K	1-LAMP	28 W	28 W	120 V	RECESSED FLANGE		PROVIDE PROGRAMMED START ELECTRONIC BALLAST, SEMI-SPECULAR LOUVERS, SPRING LOADED DOOR LATCHES, ALUMINUM FRAME W/ MITRED CORNERS, PAINTED AFTER FAB.
F2D	H.E. WILLIAMS HETG-S24-228T5S-A-EB2-UNV DAYBRITE SOFTTRACE, PRUDENTIAL	F28T5 41K	2-LAMP	28 W	61 W	120 V	RECESSED GRID		PROVIDE PROGRAMMED START ELECTRONIC BALLAST, ALUMINUM FRAME W/ MITRED CORNERS, PAINTED AFTER FAB.
F2DD	H.E. WILLIAMS HETG-S24-228T5S-A-EB2-UNV DAYBRITE SOFTTRACE, PRUDENTIAL	F28T5 41K	2-LAMP	28 W	61 W	120 V	RECESSED GRID		PROVIDE PROGRAMMED START ELECTRONIC BALLAST, ALUMINUM FRAME W/ MITRED CORNERS, PAINTED AFTER FAB.
F2DF	H.E. WILLIAMS HETG-S24-228T5S-A-EB2-UNV-DFK DAYBRITE SOFTTRACE, PRUDENTIAL	F28T5 41K	2-LAMP	28 W	61 W	120 V	RECESSED FLANGE		PROVIDE PROGRAMMED START ELECTRONIC BALLAST, ALUMINUM FRAME W/ MITRED CORNERS, PAINTED AFTER FAB.
F2S	H. E. WILLIAMS AV8-4-228T5S-CPC-UNV DAY-BRITE FAIRSAFE	F28T5 41K	2-LAMP	28 W	61 W	120 V	WALL COORDINATE W/ ARCH		PROVIDE PROGRAMMED START ELECTRONIC BALLAST
F2I	DAY-BRITE 5F228-PP1-UNV-FL173 DAY-BRITE PRUDENTIAL	F28T5 41K	2-LAMP	28 W	61 W	120 V	SUSPENDED		PROVIDE SOLID STATE ELECTRONIC BALLAST
F3I	DAYBRITE 5F328-PP1-UNV-FL173 DAY-BRITE PRUDENTIAL	F28T5 41K	3-LAMP	28 W	85 W	120 V	SUSPENDED		PROVIDE SOLID STATE ELECTRONIC BALLAST, 10% UPLITE REFLECTOR
F2W	H.E. WILLIAMS AV12-4-228T5S-CPC-VOLT DAY-BRITE PRUDENTIAL	F28T5 41K	2-LAMP	28 W	61 W	120 V	SURFACE		PROVIDE SOLID STATE ELECTRONIC BALLAST, INJECTION MOLDED ACRYLIC PRISMATIC LENS
IF8W	LEDALITE 7508H01QN-8-1/4-VOLT-E-W/DS LITECONTROL	F28T5 41K	2-LAMP	39 W	56 W	120 V	WALL COORDINATE W/ ARCH		PROVIDE 3 WIRE 5% DIMMABLE BALLAST, INTEGRAL DAYLIGHT HARVEST SENSOR
IF20W	LEDALITE 7508H01QN-20-1/7-VOLT-E-W/DS PRUDENTIAL LITECONTROL	F28T5 41K	5-LAMP	39 W	140 W	120 V	WALL COORDINATE W/ ARCH		PROVIDE 3 WIRE 5% DIMMABLE BALLAST, INTEGRAL DAYLIGHT HARVEST SENSOR
IF40	LEDALITE 7508H01QN-40-1/5-VOLT-E-W PRUDENTIAL LITECONTROL	F28T5 41K	10-LAMP	39 W	280 W	120 V	SUSPENDED 10'-0" AFF		PROVIDE SOLID STATE ELECTRONIC BALLAST
IF40D	LEDALITE 7508H01QN-40-1/5-VOLT-E-W/DS PRUDENTIAL LITECONTROL	F28T5 41K	10-LAMP	39 W	280 W	120 V	SUSPENDED 10'-0" AFF		PROVIDE 3 WIRE 5% DIMMABLE BALLAST, INTEGRAL DAYLIGHT HARVEST SENSOR
LF8	LEDALITE 1201F10QS-8-1/5-VOLT-E-W PRUDENTIAL LITECONTROL	F28T5 41K	2-LAMP	28 W	56 W	120 V	SUSPENDED 10'-0" AFF		PROVIDE SOLID STATE ELECTRONIC BALLAST
LF24	LEDALITE 1201F10QS-24-WIRING-VOLT-E-W PRUDENTIAL LITECONTROL	F28T5 41K	6-LAMP	28 W	168 W	120 V	SUSPENDED 10'-0" AFF		PROVIDE SOLID STATE ELECTRONIC BALLAST
LF32	LEDALITE 1201F10QS-32-WIRING-VOLT-E-W PRUDENTIAL LITECONTROL	F28T5 41K	8-LAMP	28 W	224 W	120 V	SUSPENDED 10'-0" AFF		PROVIDE SOLID STATE ELECTRONIC BALLAST
LF48	LEDALITE 1201F10QS-48-1/5-VOLT-E-W PRUDENTIAL LITECONTROL	F28T5 41K	12-LAMP	28 W	336 W	120 V	SUSPENDED 10'-0" AFF		PROVIDE SOLID STATE ELECTRONIC BALLAST
TL1	INTENSE MB120030W-FL24-IS8 MP LIGHTING LBL LIGHTING	LED 30K	4-LAMP	29 W	120 W	120 V	SURFACE		PROVIDE 8" TRACK DIMMING LED DRIVER
FHB6	H. E. WILLIAMS GLA-4-654T5H-FWSBL10617-S7238W-VBY-EB42-UNV DAY-BRITE BETA LIGHTING	F54T5HO 41K	6-LAMP	54 W	324 W	120 V	SUSPENDED 25'-4" AFF		PROVIDE SOLID STATE ELECTRONIC BALLAST, CLEAR NON-PRISMATIC ACRYLIC LENS, ALUMINUM MITRED DOOR FRAMES, SPRING LOADED DOOR LATCHES AND PAINTED AFTER FAB.
FD3	REBELLE 8000HC-232T-VOLT-CPC PORTFOLIO G24q41K	CFM32W G24q41K	2-LAMP HORIZ.	32 W	64 W	120 V	RECESSED GRID OR FLANGED		PROVIDE SOLID STATE ELECTRONIC BALLAST, SPECULAR SPUN ALUMINUM REFLECTOR, AND WHITE FLANGE.
SLT2	US ARCHITECTURAL VRS-G-IV TA-2-100-RAL-8019-T405-8025-35 GARDCO	MH	2-LAMP	1000 W	2160 W	240 V	POLE @ 37'		BRONZE ALUMINUM POLE W/ FOUNDATION BASE, 37' MOUNTING HEIGHT, SEE DETAIL
SLT4	US ARCHITECTURAL VRS-G-IV TA-4-100-RAL-8019-T405-8025-35 GARDCO	MH	4-LAMP	1000 W	4320 W	240 V	POLE @ 35'		BRONZE ALUMINUM POLE W/ FOUNDATION BASE, 35' MOUNTING HEIGHT, SEE DETAIL
WB1	BETA-CALCO 66 4022 OR EQUAL	LED 52K	N/A	8 W	8 W	120 V	WALL COORDINATE W/ ARCH		UL LISTED FOR WET LOCATIONS, PROVIDE LOW TEMP/HIGH PF BALLAST, SPECULAR ALUMINUM SEGMENTED OPTICS, ONE-PIECE CAST ALUMINUM HOUSING, TEMPERED LENS, ALUMINUM LENS FRAME.
WPLM	GARDCO 121MRM-WT-50LACW-VOLT-BRP-F COOPER INVUE ENTRIS SERIES KIM	LED 65K	N/A	50 W	66 W	120 V	WALL AT 7' 6"		UL LISTED FOR WET LOCATIONS, PROVIDE LOW TEMP/SOLID STATE BALLAST, SPECULAR ALUMINUM SEGMENTED OPTICS, ONE-PIECE CAST ALUMINUM HOUSING, TEMPERED LENS, ALUMINUM LENS FRAME.
WPLS	GARDCO 121MRS-WT-50LACW-VOLT-BRP-F COOPER INVUE ENTRIS SERIES KIM	LED 65K	N/A	50 W	66 W	120 V	WALL AT 7' 6"		UL LISTED FOR WET LOCATIONS, PROVIDE LOW TEMP/SOLID STATE BALLAST, SPECULAR ALUMINUM SEGMENTED OPTICS, ONE-PIECE CAST ALUMINUM HOUSING, TEMPERED LENS, ALUMINUM LENS FRAME.
WSL	BEGA 7606 LED OR EQUAL	F28T5	2-LAMP	28 W	61 W	120 V	WALL COORDINATE W/ ARCH		PROVIDE EMERGENCY NICAD BATTERY BACKUP, ARROWS AS PER PLANS, DIE CAST ALUMINUM HOUSING W/BRUSHED ALUMINUM FACEPLATE, SELF DIAGNOSTICS W/LEDS, DOUBLE FACE AS INDICATED ON PLANS.
EXB	BEGHELLI LCT-SA-LR-1/2-B-AL-AT CHLORITE, DAYBRITE, EMERGLITE	LED	N/A	9 W	9 W	120 V	WALL OR CEILING AS INDICATED		PROVIDE EMERGENCY NICAD BATTERY BACKUP, ARROWS AS PER PLANS, DIE CAST ALUMINUM HOUSING W/BRUSHED ALUMINUM FACEPLATE, SELF DIAGNOSTICS W/LEDS, DOUBLE FACE AS INDICATED ON PLANS.
XEB	BEGHELLI OL2-SA-LG-1/2-M-WR/CR-AT CHLORITE, DAYBRITE, EMERGLITE	LED	N/A	9 W	9 W	120 V	WALL OR CEILING AS INDICATED		PROVIDE EMERGENCY NICAD BATTERY BACKUP, ARROWS AS PER PLANS, DIE CAST ALUMINUM HOUSING W/BRUSHED ALUMINUM FACEPLATE, SELF DIAGNOSTICS W/LEDS, DOUBLE FACE AS INDICATED ON PLANS.
NOTES: SEE SPECIFICATIONS FOR APPROVED BALLAST MANUFACTURERS									
FIXTURES WITH HALF FILLED IN CENTER SHALL BE PROVIDED WITH A BATTERY PACK. SEE PLANS FOR QUANTITY.									
PRIOR APPROVALS MUST BE SUBMITTED TO THE ENGINEER 14 DAYS PRIOR TO BID DATE FOR REVIEW.									

PANELBOARD SCHEDULE													
MARK: 2D1													
CKT	LOAD	BREAKER	PHASE (KVA)			PHASE (KVA)			BREAKER	LOAD			CKT
#	DESCRIPTION	P	RATING	A	B	C	A	B	C	RATING	P	DESCRIPTION	#
1	LPB	3	225 A	2.3			30.3			400 A	3	2M2B	2
3	--	--	--	6.5			30.3			--	--	--	4
5	--	--	--	6.8			29.2			--	--	--	6
7	2P1C	3	125 A	8.5			0.0			--	--	Space	8
9	--	--	--	6.1			0.0			--	--	Space	10
11	--	--	--	5.4			0.0			--	--	Space	12
13	Spare	3	225 A	0.0			0.0			--	--	Space	14
15	--	--	--	0.0			0.0			--	--	Space	16
17	Space	--	--	0.0			0.0			--	--	Space	18
19	Space	--	--	0.0			0.0			--	--	Space	20
21	Space	--	--	0.0			0.0			--	--	Space	22
23	Space	--	--	0.0			0.0			--	--	Space	24
25	Space	--	--	0.0			0.0			--	--	Space	26
27	Space	--	--	0.0			0.0			--	--	Space	28
29	Space	--	--	0.0			0.0			--	--	Space	30
31	Space	--	--	0.0			0.0			--	--	Space	32
33	Space	--	--	0.0			0.0			--	--	Space	34
35	Space	--	--	0.0			0.0			--	--	Space	36
37	Space	--	--	0.0			0.0			--	--	Space	38
39	Space	--	--	0.0			0.0			--	--	Space	40
41	Space	--	--	0.0			0.0			--	--	Space	42
TOTAL LOAD (KVA): Ph A 41.1 Ph B 42.9 Ph C 41.2													
TOTAL CONNECTED LOAD (KVA): 125.2 HIGH PHASE (AMPS): 357 A													
TOTAL LOAD (AMPS): 347.4													
CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE(REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.													
Notes:													

PANELBOARD SCHEDULE													
MARK: 2O1													
CKT	LOAD	BREAKER	PHASE (KVA)			PHASE (KVA)			BREAKER	LOAD			CKT
#	DESCRIPTION	P	RATING	A	B	C	A	B	C	RATING	P	DESCRIPTION	#
1	2L1A	3	225 A	18.7			0.0			225 A	3	Spare	2
3	--	--	--	15.1			0.0			--	--	--	4
5	--	--	--		17.2		0.0			--	--	--	6
7	Spare	1	0 A	0.0			0.0			225 A	3	Spare	8
9	Spare	1	0 A	0.0			0.0			--	--	--	10
11	Spare	1	0 A	0.0			0.0			--	--	Space	12
13	Spare	1	0 A	0.0			0.0			--	--	Space	14
15	Spare	1	0 A	0.0			0.0			--	--	Space	16
17	Spare	1	0 A	0.0			0.0			--	--	Space	18
19	Spare	1	0 A	0.0			0.0			--	--	Space	20
21	Spare	1	0 A	0.0			0.0			--	--	Space	22
23	Spare	1	0 A	0.0			0.0			--	--	Space	24
25	Spare	1	0 A	0.0			0.0			--	--	Space	26
27	Spare	1	0 A	0.0			0.0			--	--	Space	28
29	Spare	1	0 A	0.0			0.0			--	--	Space	30
31	Spare	1	0 A	0.0			0.0			--	--	Space	32
33	Spare	1	0 A	0.0			0.0			--	--	Space	34
35	Spare	1	0 A	0.0			0.0			--	--	Space	36
37	2O2	3	175 A	14.7			0.0			--	--	Space	38
39	--	--	--	14.7			0.0			--	--	Space	40
41	--	--	--	13.6			0.0			--	--	Space	42
TOTAL LOAD (KVA): Ph A 33.3 Ph B 29.8 Ph C 30.8													
TOTAL CONNECTED LOAD (KVA): 93.7 HIGH PHASE (AMPS): 278 A													
TOTAL LOAD (AMPS): 260.2													
CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE(REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.													
Notes:													

PANELBOARD SCHEDULE													
MARK: 202													
CKT #	LOAD DESCRIPTION	BREAKER P	RATING	PHASE (KVA)			PHASE (KVA)			BREAKER P	RATING	LOAD DESCRIPTION	CKT #
1	WATER SOURCE HEAT PUMP W/SH-5, RM 202	3	50 A	4.6			3.0			50 A	3	CHILLED WATER PUMP CWP-1, RM 201	2
3	--	--	--	4.6			3.0			--	--	--	4
5	--	--	--			4.6			3.0	--	--	--	6
7	WATER SOURCE HEAT PUMP W/SH-7, RM 202	3	45 A	3.0			3.0			50 A	3	CHILLED WATER PUMP CWP-2, RM 201	8
9	--	--	--			3.0			3.0	--	--	--	10
11	--	--	--			3.0			3.0	--	--	--	12
13	WATER SOURCE HEAT PUMP W/SH-3, RM 201	2	20 A	1.1			0.0			20 A	1	Spare	14
15	--	--	--		1.1		0.0			20 A	1	Spare	16
17	Space	--	--			0.0			0.0	20 A	1	Spare	18
19	Space	--	--	0.0			0.0			--	--	Space	20
21	Space	--	--		0.0			0.0		--	--	Space	22
23	Space	--	--		0.0			0.0		--	--	Space	24
25	Space	--	--	0.0			0.0			--	--	Space	26
27	Space	--	--		0.0			0.0		--	--	Space	28
29	Space	--	--			0.0			0.0	--	--	Space	30
31	Space	--	--	0.0			0.0			--	--	Space	32
33	Space	--	--		0.0			0.0		--	--	Space	34
35	Space	--	--			0.0			0.0	--	--	Space	36
37	Space	--	--	0.0			0.0			--	--	Space	38
39	Space	--	--			0.0			0.0	--	--	Space	40
41	Space	--	--			0.0			0.0	--	--	Space	42
TOTAL LOAD (KVA): Ph A 14.7 Ph B 14.7 Ph C 13.6													
TOTAL CONNECTED LOAD (KVA): 42.9													
HIGH PHASE (AMPS): 122 A													
TOTAL LOAD (AMPS): 119.2													
CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE(REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.													
Notes:													

PANELBOARD SCHEDULE															
MARK: 2M2A															
CKT #	LOAD DESCRIPTION	BREAKER P RATING	PHASE (kVA)			PHASE (kVA)			BREAKER RATING	P	LOAD DESCRIPTION	CKT #			
			A	B	C	A	B	C							
1	ENERGY RECOVERY UNIT ERV-1, RM 201	3 25 A	1.7			8.7			110 A	3	WATER SOURCE HEAT PUMP WSHP-1A, RM 201	2			
3	--	--		1.7			8.7		--	--	--	4			
5	--	--			1.7			8.7	--	--	--	6			
7	ENERGY RECOVERY UNIT ERV-2, RM 201	3 25 A	1.7			8.7			110 A	3	WATER SOURCE HEAT PUMP WSHP-1B, RM 201	8			
9	--	--		1.7			8.7		--	--	--	10			
11	--	--			1.7			8.7	--	--	--	12			
13	WATER SOURCE HEAT PUMP WSHP-6, RM 202	2 20 A	1.0			3.8			45 A	3	WATER SOURCE HEAT PUMP WSHP-2, RM 201	14			
15	--	--		1.0			3.8		--	--	--	16			
17	REC ROOM HAND DRYERS WATER HEATERS	3 15 A	0.3			3.0			45 A	3	WATER SOURCE HEAT PUMP WSHP-4, RM 201	18			
19	JOCKEY PUMP JP-1, RM 121	--		0.3			3.0		--	--	--	20			
21	--	--			0.3		3.0		--	--	--	22			
23	Space	--					3.0		--	--	--	24			
25	Space	--				1.0			25 A	3	UNIT HEATER UH-1, RM 201	26			
27	Space	--		0.0		1.0			--	--	--	28			
29	Space	--			0.0		1.0		--	--	--	30			
31	Space	--		0.0		0.0			--	--	Space	32			
33	Space	--			0.0	0.0			--	--	Space	34			
35	Space	--				0.0			--	--	Space	36			
37	Space	--		0.0		0.0			--	--	Space	38			
39	Space	--			0.0	0.0			--	--	Space	40			
41	Space	--				0.0			--	--	Space	42			
TOTAL LOAD (kVA): Ph A 30 Ph B 30 Ph C 29.3												HIGH PHASE (AMPS): 250 A			
TOTAL CONNECTED LOAD (kVA): 89.3												TOTAL LOAD (AMPS): 247.8			
CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE(REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.															
Notes:															

PANELBOARD SCHEDULE													
MARK: 2M2B													
CKT #	LOAD DESCRIPTION	BREAKER P RATING	PHASE (kVA)			PHASE (kVA)			BREAKER RATING	P	LOAD DESCRIPTION	CKT #	
			A	B	C	A	B	C					
1	ENERGY RECOVERY UNIT ERV-3, MEZZANINE	3 25 A	1.7			6.7			80 A	3	WATER SOURCE HEAT PUMP WSHP-8A, RM 101	2	
3	--	--		1.7			6.7		--	--	--	4	
5	--	--			1.7			6.7	--	--	--	6	
7	ENERGY RECOVERY UNIT ERV-4, MEZZANINE	3 20 A	1.5			6.7			80 A	3	WATER SOURCE HEAT PUMP WSHP-8B, RM 101	8	
9	--	--			1.5			6.7	--	--	--	10	
11	--	--			1.5			6.7	--	--	--	12	
13	UNIT HEATER UH-3, MEZZANINE	3 25 A	1.0			2.9			35 A	3	WATER SOURCE HEAT PUMP WSHP-9, MEZZANINE	14	
15	--	--			1.0		2.9		--	--	--	16	
17	--	--			1.0		2.9		--	--	--	18	
19	WATER SOURCE HEAT PUMP WSHP-12, RM 101	2 20 A	1.1			6.7			80 A	3	WATER SOURCE HEAT PUMP WSHP-10, RM 101	20	
21	--	--		1.1		6.7			--	--	--	22	
23	Space	1 20 A			0.0		6.7		25 A	3	WATER SOURCE HEAT PUMP WSHP-11, RM 101	24	
25	Space	1 20 A	0.0			1.8			--	--	--	26	
27	Space	1 20 A		0.0		1.8			--	--	--	28	
29	Space	--			0.0		1.8		--	--	--	30	
31	Space	--		0.0		0.0			--	--	Space	32	
33	Space	--			0.0	0.0			--	--	Space	34	
35	Space	--				0.0			--	--	Space	36	
37	Space	--		0.0		0.0			--	--	Space	38	
39	Space	--			0.0	0.0			--	--	Space	40	
41	Space	--				0.0			--	--	Space	42	
TOTAL LOAD (kVA): Ph A 30.3 Ph B 30.3 Ph C 29.2												HIGH PHASE (AMPS): 252 A	
TOTAL CONNECTED LOAD (kVA): 89.7												TOTAL LOAD (AMPS): 249	
CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE(REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.													
Notes:													

PANELBOARD SCHEDULE																			
MARK:		2P1B																	
CKT #	LOAD DESCRIPTION	BREAKER		PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD		CKT #					
		P	RATING	A	B	C	A	B	C	RATING	P	DESCRIPTION							
1	REC RM 101,102,110, EXT	1	20 A	0.9			0.5			20 A	1	EWV, RM 102	2						
3	REC & HAND DRYER, RM 107	1	20 A		0.7			0.4		20 A	1	REC RM 103	4						
5	REC RM 108,109	1	20 A			0.4			0.5	20 A	1	REC RM 103	6						
7	REC RM 108,109	1	20 A	0.4			1			20 A	1	REC RM 103	8						
9	REC RM 109	1	20 A		0.5			1		20 A	1	REC RM 103	10						
11	REC RM 111	1	20 A			0.5			0.4	20 A	1	REC RM 103, TVs	12						
13	REC RM 111 POPCORN MACHINE	1	20 A	1.2			0.4			20 A	1	REC RM 103, TVs	14						
15	REC RM 111 COFFEE MAKER	1	20 A		1.8			0.9		20 A	1	REC RM 104	16						
17	REC RM 111	1	20 A			0.7			1.1	20 A	1	REC RM 104	18						
19	ICE MAKER RM 111	1	20 A	1.6			0.7			20 A	1	REC RM 105,106	20						
21	REC RM 111 FREEZER	1	20 A		0.9			0.5		20 A	1	REC RM 110	22						
23	REC RM 111 REFRIGERATOR	1	20 A			1.1			0.5	20 A	1	REC RM 110	24						
25	REC RM 111 MICROWAVE	1	20 A	1.6			0.9			20 A	1	REC RM 113	26						
27	WAREWASHER, RM 111	2	30 A		2.1			1.1		20 A	1	REC RM 113A	28						
29	--	--	--			2.1			0.4	20 A	1	REC RM 120	30						
31	REC CORR 112,114	1	20 A	0.7			0.4			20 A	1	REC RM 120	32						
33	MOTORIZED DOOR, CORR 017	1	20 A		1.3			0.4		20 A	1	REC RM 120	34						
35	MOTORIZED DOOR, CORR 112	1	20 A			1.3			0.4	20 A	1	REC RM 120	36						
37	EWV, CORR 114	1	20 A	0.5			0.4			20 A	1	REC RM 120	38						
39	SUPPLY FAN SF-K, ROOF	1	20 A		1.2			0.4		20 A	1	REC RM 120	40						
41	EXHAUST FAN EF-K, ROOF	1	30 A			2.2		0.5		20 A	1	REC RM 201, 202, ROOF	42						
43	HAND DRYERS, RM 106	1	20 A	1.1			1.1			20 A	1	HAND DRYERS, RM 105	44						
45	REC RM 113, PROJECTOR	1	20 A		0.5			0.2		20 A	1	REC RM 113, AV	46						
47	REC RM 104, TVs	1	20 A			0.4			0.4	20 A	1	REC RM 113, TVs	48						
49	REC RM 104, PROJECTOR	1	20 A	0.5			0.2			20 A	1	REC RM 104, AV	50						
51	REC RM 113A, AV	1	20 A		0.5			0		20 A	1	Spare	52						
53	Spare	1	20 A			0		0		20 A	1	Spare	54						
55	Spare	1	20 A	0			0			20 A	1	Spare	56						
57	Spare	1	20 A		0			0		--	--	Space	58						
59	Space	--	--			0			0	--	--	Space	60						
61	Space	--	--		0			0		--	--	Space	62						
63	Space	--	--			0		0		--	--	Space	64						
65	Space	--	--			0			0	--	--	Space	66						
67	Space	--	--		0			0		--	--	Space	68						
69	Space	--	--			0			0	--	--	Space	70						
71	Space	--	--			0			0	--	--	Space	72						
73	Space	--	--			0		0		--	--	Space	74						
75	Space	--	--			0			0	--	--	Space	76						
77	Space	--	--				0			0	--	Space	78						
79	Space	--	--		0			0		--	--	Space	80						
81	Space	--	--			0			0	--	--	Space	82						
83	Space	--	--			0			0	--	--	Space	84						
TOTAL LOAD (kVA): Ph A 13.9 Ph B 14.3 Ph C 12.8																			
TOTAL CONNECTED LOAD (kVA): 41																			
HIGH PHASE (AMPS): 119 A																			
TOTAL LOAD (AMPS): 113.8																			
CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE(REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.																			
Notes:																			

PANELBOARD SCHEDULE														
MARK:		2P1A												
CKT #	LOAD DESCRIPTION	BREAKER P RATING	PHASE (KVA)			PHASE (KVA)			BREAKER RATING	P	LOAD DESCRIPTION	CKT #		
			A	B	C	A	B	C						
1	REC RM 116 EAST WALL, 116A	1 20 A	0.9			1.6			20 A	1	BBALL GOAL WINCH, RM 116	2		
3	REC RM 116 WEST WALL	1 20 A		0.7			1.6		20 A	1	BBALL GOAL WINCH, RM 116	4		
5	REC RM 118	1 20 A			0.7		1.6		20 A	1	BBALL GOAL WINCH, RM 116	6		
7	REC RM 118, EXT	1 20 A	1.4			1.6			20 A	1	BBALL GOAL WINCH, RM 116	8		
9	REC RM 121, EXT	1 20 A			0.5		1.6		20 A	1	BBALL GOAL WINCH, RM 116	10		
11	GENERATOR BLOCK HTR	2 15 A			1.2				20 A	1	BBALL GOAL WINCH, RM 116	12		
13	--	--	1.2			0.2			20 A	1	REC RM 116, AV	14		
15	GENERATOR RECTEAPLE	1 20 A		0.2			0.5		20 A	1	SCORE BOARD, RM 116	16		
17	MINI-SPLIT AHU DAC-1, RM 118	2 15 A			0.1		0.5		20 A	1	SCORE BOARD, RM 116	18		
19	--	--			0.1				20 A	1	REC RM 116, PROJECTOR	20		
21	MINI-SPLIT HEAT PUMP DCU-1, EXT	2 25 A			1.6			0.2	20 A	1	MORORIZED PROJECTION SCREEN, RM 116	22		
23	--	--				1.6			1.5	20 A	1	CLG FANS PATIO 117	24	
25	EXHAUST FAN EF-1, RM 119	1 15 A	0.1				1.5		20 A	1	CLG FANS PATIO 117	26		
27	GENERATOR E-STOP TRIP BUTTON	1 20 A		0.2			1.5		20 A	1	CLG FANS PATIO 117	28		
29	UNIT HEATER UH-1, RM 121	3 25 A				1.0			20 A	1	CLG FANS PATIO 117	30		
31	--	--	1.0						20 A	1	CLG FANS PATIO 117	32		
33	--	--		1.0					20 A	1	REC RM 116A, AV RACK	34		
35	REC RM 121, WATER HEATER	1 20 A			0.4			0.0	20 A	1	Spare	36		
37	HEAT TRACE, RM 121	1 20 A	1.0				0.0		20 A	1	Spare	38		
39	REC RM 116A, AV RACK	1 20 A		0.5			0.5		20 A	1	REC RM 116A, AV RACK	40		
41	Spice	--			0.0			0.0	20 A	1	Spare	42		
TOTAL LOAD (KVA): Ph A 11.1 Ph B 11 Ph C 11.1														
TOTAL CONNECTED LOAD (KVA): 33.3														
HIGH PHASE (AMPS): 93 A														
TOTAL LOAD (AMPS): 92.4														
CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE(REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.														
Notes:														