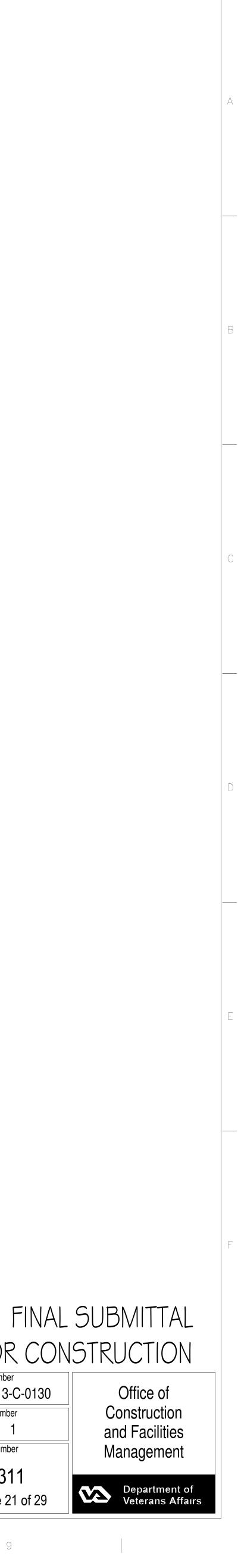
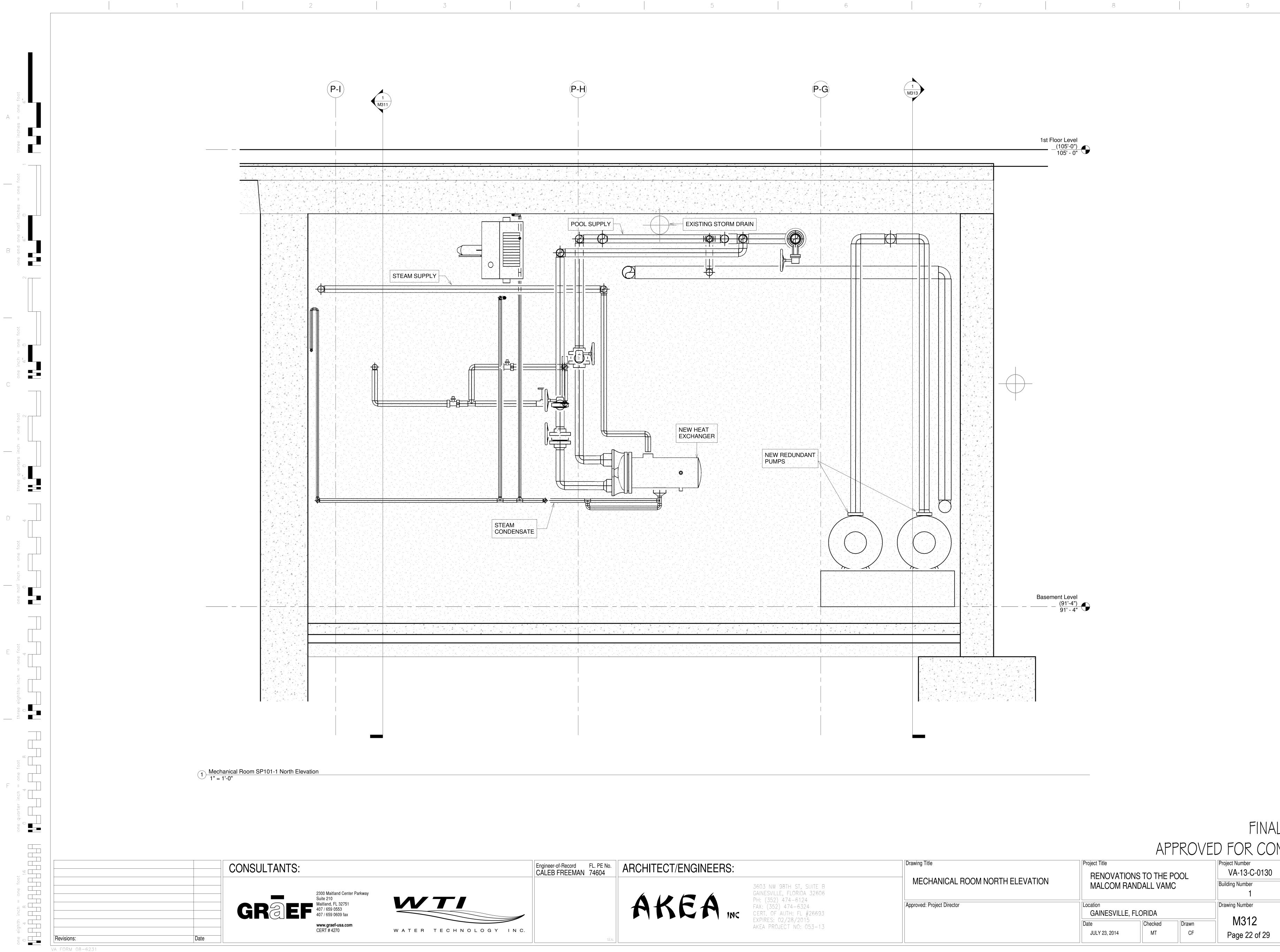


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			AP	PROV	ED FOR CO
Drawing Title		Project Title			Project Number
		RENOVATIO	VA-13-C-0130		
MECHANIC	CAL ROOM WEST ELEVATION	MALCOM RA	NDALL VAM	IC	Building Number 1
Approved: Project Di	rector	Location GAINESVILLE,		Drawing Number	
		Date	Checked	Drawn	M311
		JULY 23, 2014	MT	CF	Page 21 of 29
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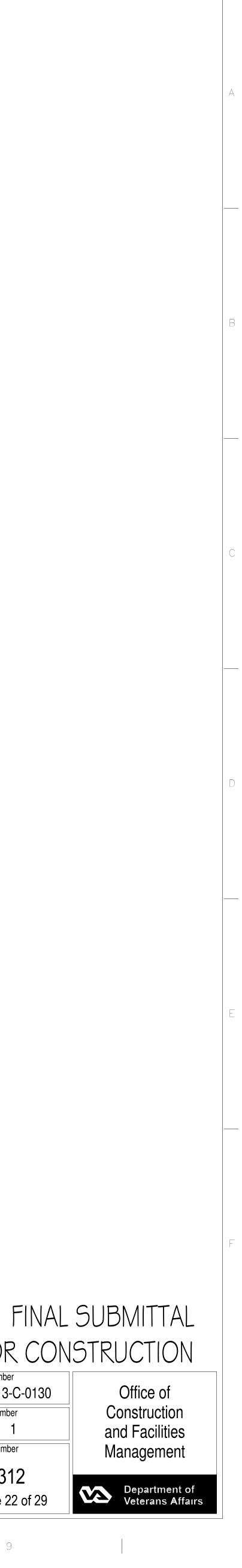


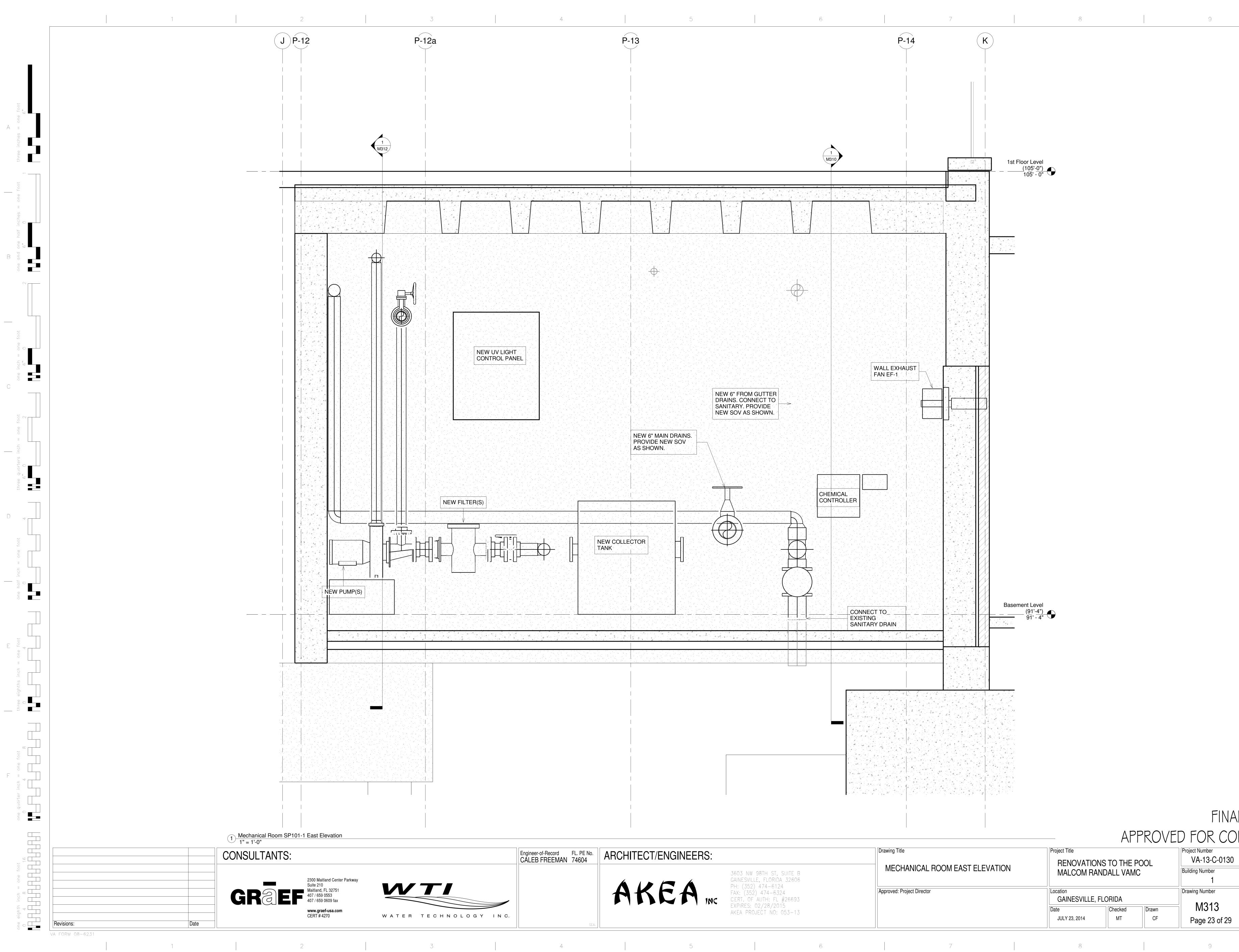


	Engineer-of-Record FL. PE No. CALEB FREEMAN 74604	ARCHITECT/ENGINEERS:	
ER TECHNOLOGY INC.	SEAL	AKEA INC	3603 NW 98TH ST, SUITE GAINESVILLE, FLORIDA 3260 PH: (352) 474-6124 FAX: (352) 474-6324 CERT. OF AUTH: FL #2669 EXPIRES: 02/28/2015 AKEA PROJECT NO: 053-1

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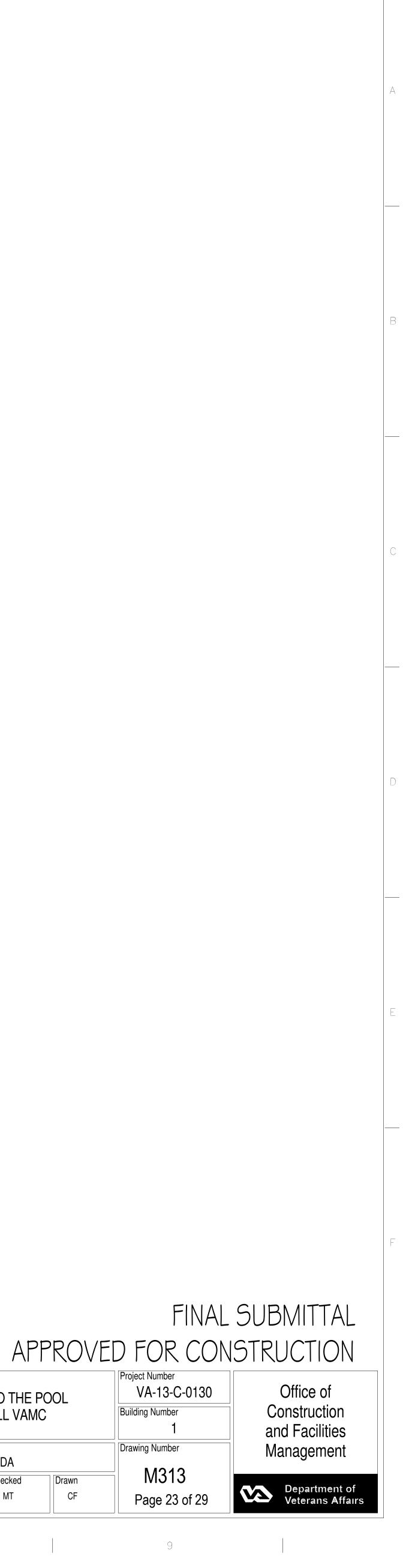
		AP	PROV	ED FOR		
	Project Title RENOVATIO	Project Number VA-13-C				
MECHANICAL ROOM NORTH ELEVATION		MALCOM RANDALL VAMC				
Approved: Project Director	Location GAINESVILLE,	FLORIDA		Drawing Number		
	Date	Checked	Drawn	— M312		
	JULY 23, 2014	MT	CF	Page 22		
7	8			9		

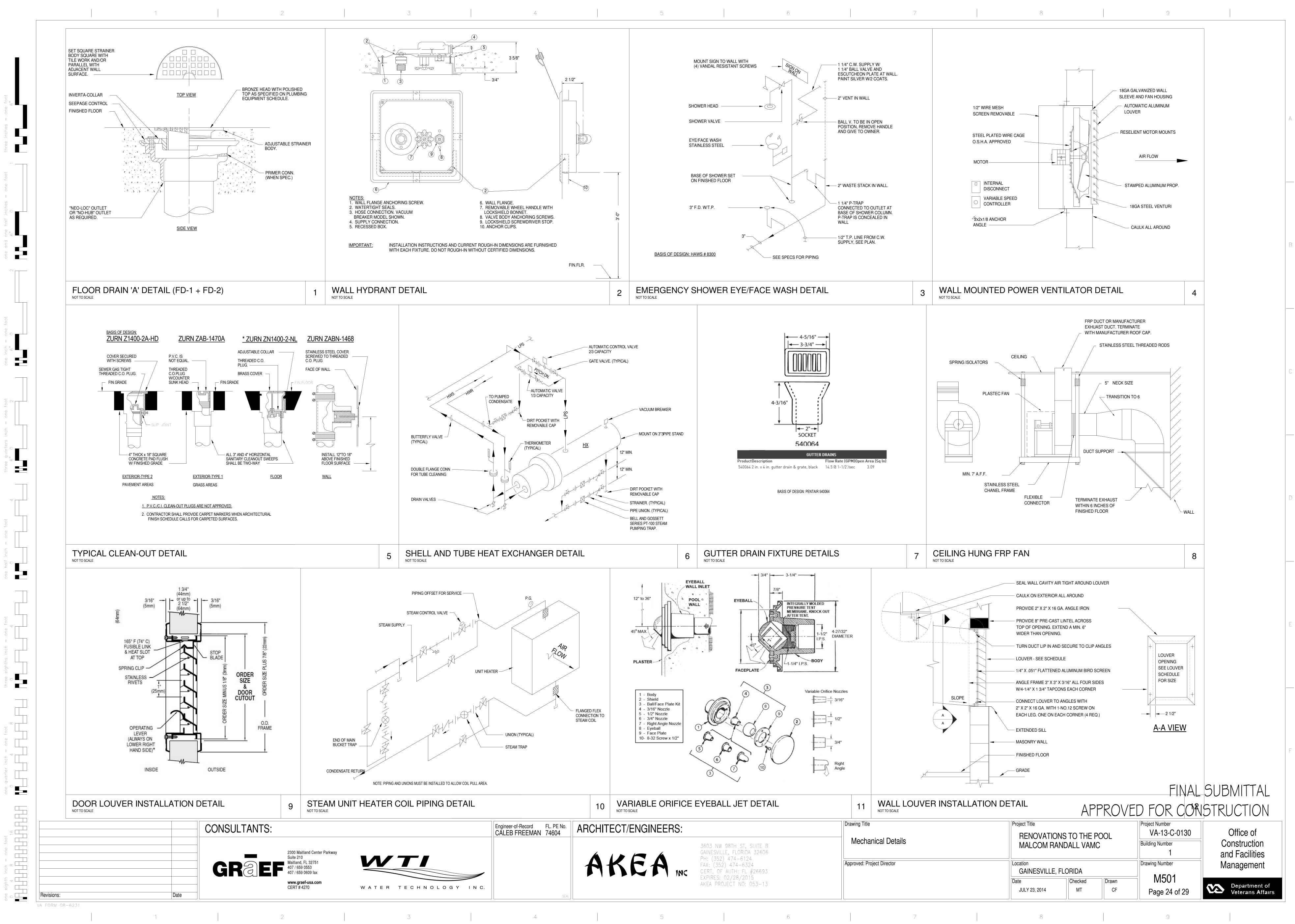




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	AFFRUVLUTU						
CAL ROOM EAST ELEVATION	Project Title RENOVATIO MALCOM RA			Project Number VA-13-C-01 Building Number 1			
Director	Location GAINESVILLE,	FLORIDA		Drawing Number			
	Date	Checked	Drawn	M313			
	JULY 23, 2014	Page 23 of 2					

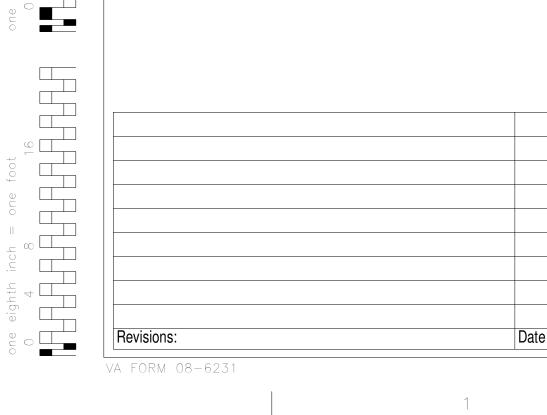






1

					505	Fan Data
					ESP	Fan
Mark	Manuf.	Model	Service	CFM	in. WC	RPM
FF-1	Modine	HS-47	Pool Mech	450	0.125	1200
Remo						
1. 2.	Provide adj Provide OS	SHA fan gua				
1. 2. 3.	Provide adj Provide OS Provide exp	SHA fan gua olosion proo	rd f motor	nolic epox	y coating	
1. 2. 3. 4.	Provide adj Provide OS Provide exp Provide che	SHA fan gua olosion proo emical resist	rd	•	y coating	



= one foot

ι μ

CONSULTANTS:

Date







2

4

					Shell Side (Steam	ı)	
				Capacity	Steam #	Surface	Steam
Mark	Manuf.	Model	Service	(MBH)	(lb/h)	Area (Sqft)	Presspsig)
HE-1	Bell and Gossett	DSU102-2	Pool Heat	450	484	27	30
HE-2	Bell and Gossett	DSU102-2	Pool Heat	450	484	27	30

1. Provide double wall heat exchanger with carbon steel shell 2. Provide HE-1 designed for 125 PSIG working pressure

3. Provide shell construction for minimum 150 PSI ASME pressure vessel

Exhaust Fan Schedule

			Dimensions	Weight	Opening		
Mark	Manufacturer	Model	(LxWxH, In.)	(Lbs)	(Inches)	Service	Туре
EF-1	Plastec	Plastec-15	14x18x20	37	5	Acid Storage	Utility
EF-2	Plastec	Plastec-15	14x18x20	37	5	Chlorine Storage	Utility
EF-3	Greenheck	SE1-12-432-G	18x18x11	20	13x13	Pool Eqt. Exh	Utility

Remarks: 1. Provide factory exhaust grille

2. Provide integral disconnect switch.

3. Provide integral variable speed control switch. 4. Provide fan speed controller

5. Provide top horizontal fan discharge

6. Provide explosion resistant motor 7. Provide factory exhaust kit and roof cap

Notes:

1. See specifications for additional material and installation requirements. 2. See control sequences for control requirements.

			Steam Side	Steam Side						
Fan	Voltage/	Entering	Sq Ft	Capacity	Connection	Steam #	Steam	Dimensions	Weight	
HP	Phase	Air Temp	EDR	(MBH)	Size (NPT)	(lb/h)	Press (psig)	LxWxH	(lbs)	Remarks
1/12	460/3	50	158	40,000	1 1/4"	40	5	17x18x21	36	1-3

Louver Schedule							
Mark		Manuf.					
OAL-1		Anemostat					
OAL-2		Anemostat					
OAL-3		Anemostat					
Notes:							
	1.	Provide Permatector					
	2.	Provide bird screen.					
	3.	Provide frame mount					
	4.	Provide Florida Prod					
Remarks:							
	1.	Contractor shall field					
		match substrate type					
L							

					POINTS
ontractor shall provide new stand alone control panel model PXCM-32 or approved equal. Contractor sh		•	e for prov	iding wir	ing, cabling, pro
connect controls and sensors listed below to the existing campus-wide control system, including full gra	· · ·	olay			1
Point Description	Туре				-
	BI	AI	BO	AO	
Swimming Pool Supply Water Temperature		X			Monitor and
Swimming Pool Supply Water Temperature Setpoint					Operator ad
Swimming Pool Steam Solenoid Valve On/Off	-		X		On/Off contr
HE-1 Swimming Pool Modulating Valve				Х	Electronic, r
HE-2 Swimming Pool Modulating Valve	-			X	Electronic, n
HE-1 Steam Supply Pressure		X			Monitor only
HE-1 Steam Return Pressure		X			Monitor only
HE-2 Steam Supply Pressure		X			Monitor only
HE-2 Steam Return Pressure		X			Monitor only
Acid Storage Exhaust Fan EF-1 Status	Х				Status of Ac
Acid Storage Exhaust Fan EF-1 On/Off			Х		On/Off contr
Chlorine Storage Exhaust Fan EF-2 Status	Х				Status of Ch
Acid Storage Exhaust Fan EF-2 On/Off			Х		On/Off contr
General Exhaust Fan EF-3 Status	Х				Status of Ge
General Exhaust Fan EF-2 On/Off			Х		On/Off contr
Pump P-1 Status	Х				Status of pu
Pump P-1 On/Off			Х		On/Off contr
Pump P-2 Status	Х				Status of pu
Pump P-2 On/Off			Х		On/Off contr
Room Temperature Sensor		Х			Space temp
Room Temperature Setpoint					Operator ad
FF-1 Steam Heater Status					Status of he
Steam Heater FF-1 On/Off			Х		On/Off contr
FF-1 Steam Heater Valve				Х	Electronic, n
FF-1 Steam Heater Steam Supply Pressure		X			Monitor only
FF-1 Steam Heater Steam Return Pressure	-	X			Monitor only
Pool Water Level Setpoint					Operator ad
Autofill Pressure Sensor		X			Pool water le
Autofill Valve			X		On/off contro
Filter Status	Х				Status of filte
Chemical Feed System Status	X				Status of fee
Air Compressor Status					Status of air
UV Light System Status					Status of U

ARCHITECT/ENGINEERS:



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Engineer-of-Record FL. PE No. CALEB FREEMAN 74604



3603 NW 98TH ST, SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT. OF AUTH: FL #26693 EXPIRES: 02/28/2015 AKEA PROJECT NO: 053-13

6

3

4

CFM

100

100

400

Tube Side (Water)

134

134

EWT LWT Flowrate Fouling

(°F) (°F) (GPM)

Fan Data

0.5

S.P. RPM H.P. Drive

1725 1/3

0.5 1725 1/3 Direct

0.25 1350 1/12 Direct

60 66.7

60 66.7

Number

of

Passes

Dimensions

2 30 1/8x10 3/4 1-3

2 30 1/8x10 3/4 1-3

Control

Emergency Switch

Emergency Switch

Emergency Switch

LxD Ø Remarks

Remarks

5-7

5-7

2, 3

7

WPD

8.58

8.58

(in. WC)

Volt/Ph/Hz.

115/1/60

115/1/60

115/1/60

Factor

0.01068

0.01068

Direct

8

ID TAG	DESCRIPTION	QTY.	BASIS OF DESIGN
P1A	FILTRATION PUMP	2	STA-RITE, EQ SERIES, MODEL EQK-500, 138 GPM AT 80' TDH, 5 HP, 208 VOLT, 3 PHASE, 60HZ, 3450 RPM, ODP MOTOR, END SUCTION, SELF PRIMING, CLOSE COUPLED, CORROSION RESISTANT INTERNALS, GLASS REINFORCED THERMOPLASTIC BODY. PROVIDE WITH 6 x 4 CONCENTRIC REDUCER.
S1A	STRAINER	2	NEPTUNE BENSON, INC., 4 X 4 STRAIGHT DESIGN BASKET STRAINER, STAINLESS STEEL BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET, PROVIDE WITH EXTRA STAINLESS STEEL BASKET
F1A	FILTER	1	NEPTUNE BENSON, INC., REGENERATIVE MEDIA FILTER, MODEL SP-18-48-176, 137 SQUARE FEET OF FILTER AREA,1.00 GPM/S.F. OF FILTER AREA, PROVIDE WITH PERLITE MEDIA OR APPROVED EQUAL.
H1A	HEAT EXCHANGERS	2	SEE MECHANICAL DRAWINGS FOR UNIT SIZE
C1A	CHEMICAL CONTROLLER	1	BECSYS3, CONTINUOUS MONITORING AND CONTROL, 2.0 TO 12.0 pH RANGE, 0.0 TO 6.0 ppm CHLORINE RANGE, 1 TO 1000 mV ORP RANGE, PROVIDE WITH WSRAK SAMPLE STREAM ASSEMBLY, DATA LOGGING AND COMPUTER INTERFACE.
CT1A	SALT STORAGE		BY OWNER
AP1A	ACID FEEDER	1	STENNER, SERIES 85, #85M1, 0.3 TO 5.0 GALLONS PER DAY OUTPUT, 120 VOLTS, USE MURIATIC ACID FOR pH CONTROL. PROVIDE WITH WEIGHTED FOOT STRAINER.
CT2A	ACID STORAGE	2	15 GALLON CARBOYS SUPPLIED BY OWNERS CHEMICAL SUPPLIER
AF1A	AUTOFILL	1	B.W. CONTROLS, #5200-LFI-N4 RELAY, #6012-KF3-RC ELECTRODE HOLDER, #6013-SS-X-C ELECTRODES, (1) ASCO 8221 SERIES, 1 1/2", SLOW CLOSING BRASS BODY, BUNA "N" SEALS AND DISCS, NORMALLY CLOSED, WATERTIGHT ENCLOSURE.
FM1A	FLOW METER	1	SIGNET 2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL #3-2551-P11. PROVIDE WITH FIELD MOUNT FLOW TRANSIMITTER(MODEL #3-9550-1), AND UNIVERSAL MOUNTING KIT(MODEL #3-8050). PROVIDE WITH -" DIAMETER PVC SADDLE INSERTION FITTING. FLOWMETER SHALL BE WALL MOUNTED. DESCRIPTION, DESIGN FLOW, PIPE SIZE MAIN, 134 GPM, 3"
FP1	FLOW METER POWER SUPPLY	1	SIGNET 7300 POWER SUPPLY, MODEL#7300-7524, 115 VAC/24VDC, 300 mA POWER SUPPLY. POWER SUPPLIES TO BE FURNISHED WITH NEMA 4X ENCLOSURE.
UV1A	UV SYSTEM	1	ETS, U.V. CHAMBER MODEL ECP 113-5-SP, 3" CONNECTIONS, 208 V SUPPLY FROM MANUFACTURE, 60 Hz, 3 PHASE, 1.3 kW, PROVIDE WITH CONTROL PANEL/SPA
PT	PRE-FABRICATED COLLECTOR TANK	1	AQUATEK FIBERGLASS 36" X 36" X 42" WATER TIGHT COLLECTION TANK, MODEL #AT125WT, PROVIDE WITH 6" INLET FLANGE, 4" SUCTION FLANGE AT 24" CENTERLINE HEIGHT
SP1A	SALT GENERATION POWER SUPPLY	1	CHLOR-KING, MINI 5.0, 110v, 5.3 AMPS.
SP2A	SALT GENERATON ELECTRODE	1	CHLOR-KING, MINI 5.0, ELECTRODE STACK.
AC1A	AIR COMPRESSOR	1	NEPTUNE BENSON, INC., DEFENDER COMPRESSOR AND WATER SEPARATOR, 2HP, 3 PHASE, 480V, WITH INTEGRAL STARTER, 135 PSI MAXIMUM PRESSURE, 30 GALLON TANK, CAST IRON TWIN CYLINDER COMPRESSOR PUMP, PART #12213. WATER SEPARATOR MODEL AMG350, 1/2" PORT SIZE.

	Dimensions		Airflow	Min. Free	Face Vel.	
Model	(WxH, inches)	Service	CFM	Area (ft.)	FPM	Remarks
FLDL-UL-SG1	24x18	Pool Equip	600	1.2	500	1-4
FLDL-UL-SG1	12x12	Acid Storage	100	0.31	323	1-4
FLDL-UL-SG1	12x12	Chlorine Stor	100	0.31	323	1-4

r chemical and UV resistant finish or approved equal.

oduct Approval number for high velocity wind zones

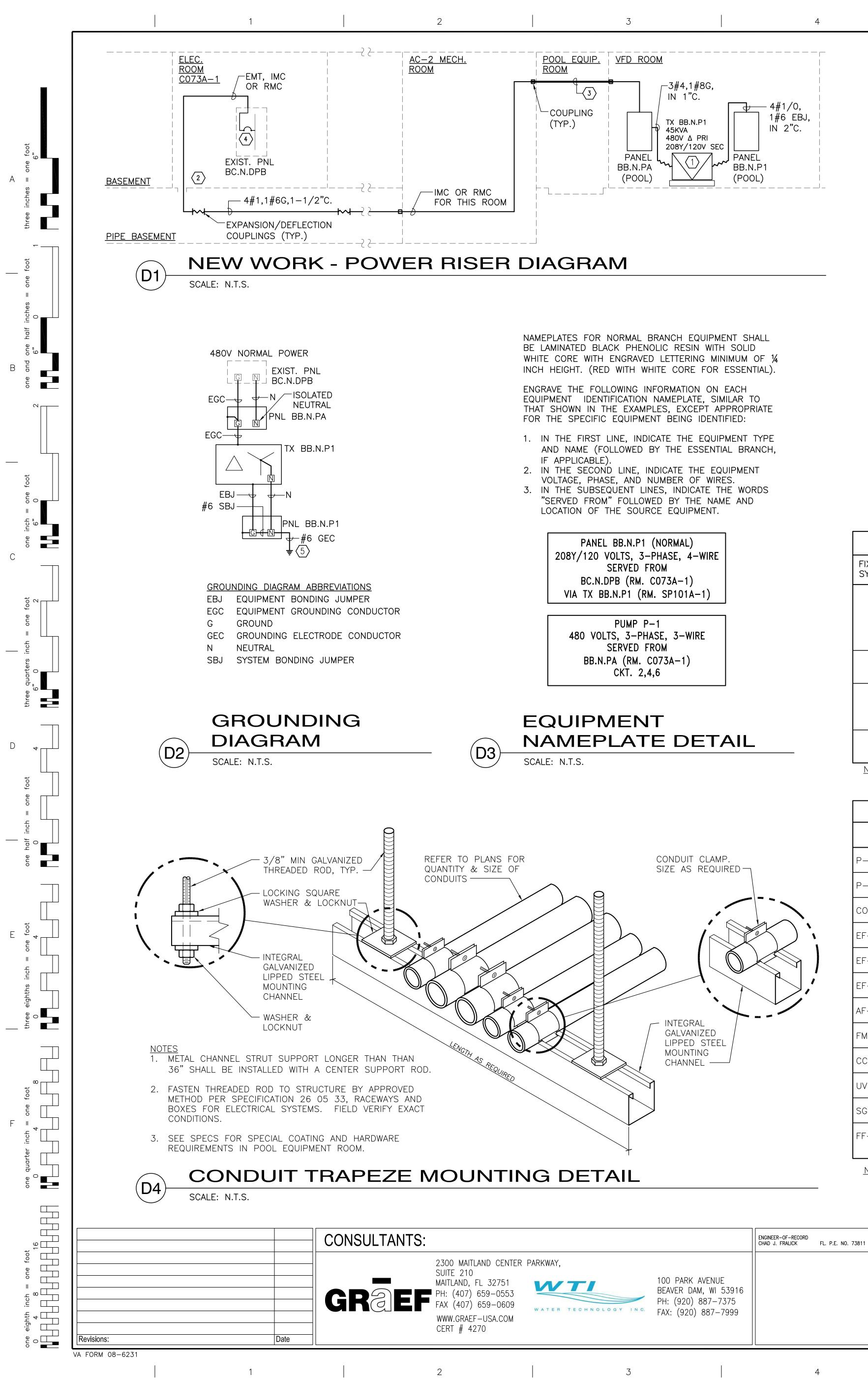
d verify mounting substrate prior to ordering. Provide frame type to

IS LIST programming, and all components necessary Notes and Operation Functions and maintain value adjustable setpoint for pool temperature ontrol for steam to HE-1 and HE-2 c, modulating (1/3 & 2/3 valves); control steam to HE-1 to maintain pool water temp. ic, modulating (1/3 & 2/3 valves); control steam to HE-2 to maintain pool water temp. only; alarm on high or low nly; alarm on high or low nly; alarm on high or low nly; alarm on high or low Acid Storage Exhaust Fan EF-1 (on or off); alarm if off ontrol for Acid Storage Exhaust Fan EF-1 Chlorine Storage ExhaustFan EF-2 (on or off); alarm if off ontrol for Acid Storage Exhaust Fan EF-2 General Exhaust Fan EF-3 (on or off); alarm if off ontrol for General Exhaust Fan EF-2 pump (on or off) ontrol for Pump P-1 pump (on or off) ontrol for Pump P-2 mperature of pool equipment room adjustable (lower limit for room temperature) heater (on or off); alarm on failure ontrol for Steam Heater FF-1 c, modulating valve; control steam to FF-1 (0-100%) to maintain room temp. setpoint only; alarm on high and low nly; alarm on high and low adjustable setpoint for water level based on pressure er low level sensor; open make up water valve if low limit reached ntrol to make up water valve; open on low limit, close on setpoint filter (OK or Trouble); equipment control panel contact output feed system (OK or Trouble); equipment control panel contact output f air compressor (OK or Trouble); equipment control panel contact output

f UV Light system (OK or Trouble); equipment control panel contact output

			AP	PROV	ED FOR CC
Drawing Title Mechanical S	chedules	Project Title RENOVATIOI			Project Number VA-13-C-0130 Building Number
		MALCOM RA	NDALL VAM	C	1
Approved: Project Direct	tor	Location GAINESVILLE,	FLORIDA		Drawing Number
		Date	Checked	Drawn	M601
		JULY 23, 2014	MT	CF	Page 25 of 29
	7	8			9





PANEL BB.N.P1 (NORMAL)
/120 VOLTS, 3-PHASE, 4-WIRE
SERVED FROM
BC.N.DPB (RM. C073A-1)
TX BB.N.P1 (RM. SP101A-1)

GENERAL ELECTRICAL NOTES (APPLICABLE TO ALL ELECTRICAL SHEETS):

- A. SEE SHEET GOO2 AND SPECIFICATIONS FOR ADDITIONAL NOTES.
- B. ALL WORK SHALL COMPLY WITH NEC, NFPA, AND ALL APPLICABLE FEDERAL CODES.
- C. ALL RECEPTACLES SHALL HAVE THE NEMA 5-20R CONFIGURATION, UNO. EACH RECEPTACLE SHALL BE CAPABLE OF ACCEPTING 15A AND 20A PLUGS.
- D. ALL BRANCH CIRCUITS SHALL BE RUN WITH DEDICATED NEUTRALS: NO SHARED NEUTRALS.
- . UPDATE PANEL SCHEDULES FOR ALL PANELBOARDS THAT ARE AFFECTED BY THIS PROJECT, INDICATE ANY NEW CIRCUITS WITH ROOM NUMBERS AND LOAD TYPE.
- ALL CONDUITS SHALL BE CLEAN AND FREE OF DEBRIS PRIOR TO INSTALLING NEW CONDUCTORS. EXISTING CONDUITS SHALL NOT BE RE-USED, U.N.O.
- G. CONDUCTORS FROM DIFFERENT VOLTAGE SYSTEMS (FOR EXAMPLE: 120V AND 277V) OR FROM DIFFERENT POWER BRANCHES (FOR EXAMPLE: EQUIPMENT BRANCH AND NORMAL BRANCH) SHALL NOT BE INSTALLED IN THE SAME RACEWAY, WIREWAY, PULLBOXES, OR ENCLOSURES, U.N.O.
- H. IN ACCORDANCE WITH NEC 300.7, PROVIDE DUCT SEAL MATERIAL TO PREVENT THE CIRCULATION OF WARM AIR TO A COOLER SECTION OF RACEWAY IN APPLICABLE RACEWAY SECTIONS (FOR EXAMPLE: RACEWAY BETWEEN INTERIOR AND EXTERIOR LOCATIONS, RACEWAY BETWEEN AIR-CONDITIONED AND NON-AIR-CONDITIONED SPACES).
- WORK SHALL BE PLANNED SUCH THAT THERE IS NOT ANY CLIMBING OR STANDING ON ELECTRICAL EQUIPMENT.

			LIGHTING FIXTURE SC	HEDULE
FIXTURE SYMBOL	NUMBER AND TYPE OF LAMPS	VOLTAGE	MOUNTING	BASIS OF DESIGN
A	46W LED 3500K	120	SURFACE MTD. TO VERTICAL SIDE OF BEAM (IN WALKWAY) OR TO UNDERSIDE OF BEAM (OVER POOL DECK)	BEGHELLI #ILLUMINA BS100LED-4-HT-50W-WT35-120-277V GASKETED 4'LED FIXTURE, UV-STABILIZED POLYCARBONATE HOUSING AND LENS, NON-METALLIC LATCHES, IP66 RATED, 80 CRI MIN.
В	46W LED 3500K	120	SUSPENDED FROM ABOVE (IN POOL EQUIP. ROOM)	SAME AS TYPE 'A', EXCEPT PROVIDE CORROSION-RESISTANT HARDWARE FOR SUSPENSION.
EM	(2) 8W HALOGEN PAR36	120	WALL-MTD. ABOVE DOOR	BEGHELLI #RBO-U-12-42-2LR-8W-AT-NC NEMA 4X FIBERGLASS HOUSING, 12V LAMPS, NICD BATTERY, AUTO TEST FEATURE.
X1	LED EXIT (2)7W LED EM	120	SURFACE MOUNTED	BEGHELLI #FTZ-C-12V-42W-LR-1-U-LED7W-WW

<u>NOTE:</u> LIGHTING FIXTURES SHALL BE THE MODELS SHOWN ABOVE OR EQUAL.

			_	EQUIPMENT SC	HEDULE			
MARK	DESCRIPTION	CIRCUIT	BKR	FEEDER	VOLTS/Ø	DISCONNECT	STARTER(S)	FLA
P-1	POOL PUMP #1 (5HP)	BB.N.PA- SEE PNL SCHED.	15	3#10, #10G IN 3/4"C.	480/3	COMB. STARTER/DISC./OVERL FVNR, NEMA SIZE O, NEMA 4		7.6
P-2	POOL PUMP #2 (5HP)	BB.N.PA- SEE PNL SCHED.	15	3#10, #10G IN 3/4"C.	480/3	COMB. STARTER/DISC./OVERL FVNR, NEMA SIZE O, NEMA 4		7.6
COMP-1	AIR COMPRESSOR (2HP)	BB.N.PA– SEE PNL SCHED.	15	3#10, #10G IN 3/4"C.	480/3	30A, 600V, 3P, HD, NF DISC. SW, NEMA 1 ENCL.	INCLUDED WITH EQUIP.	3.4
EF-1	EXHAUST FAN #1 (1/3HP)	BB.N.P1- SEE PNL SCHED.	20	2#12, #12G IN 3/4"C.	120/1	MANUAL TOGGLE SW. WITH P OVERLOAD, NEMA 4X ENCL.	ILOT LIGHT &	7.2
EF-2	EXHAUST FAN #2 (1/3HP)	BB.N.P1- SEE PNL SCHED.	20	2#12, #12G IN 3/4"C.	120/1	MANUAL TOGGLE SW. WITH P OVERLOAD, NEMA 4X ENCL.	ILOT LIGHT &	7.2
EF-3	EXHAUST FAN #3 (1/12HP)	BB.N.P1- SEE PNL SCHED.	20	2#12, #12G IN 3/4"C.	120/1	MANUAL TOGGLE SW. WITH P OVERLOAD, NEMA 4X ENCL.	ILOT LIGHT &	3
AF-1	ACID FEEDER POWER SUPPLY	BB.N.P1- SEE PNL SCHED.	20	2#12, #12G IN 3/4"C.	120/1	DEDICATED GFI RECEPTACLE	N/A	1
FM-1	FLOW METER POWER SUPPLY	BB.N.P1- SEE PNL SCHED.	20	2#12, #12G IN 3/4"C.	120/1	DEDICATED GFI RECEPTACLE	N/A	0.3
CC-1	CHEMICAL CONTROLLER	BB.N.P1- SEE PNL SCHED.	20	2#12, #12G IN 3/4"C.	120/1	DEDICATED GFI RECEPTACLE	N/A	1
UV-1	UV SYSTEM CONTROLLER	BB.N.P1- SEE PNL SCHED.	20	3#12, #12G IN 3/4"C.	208/3	30A, 240V, 3P, HD, NF DISC. SW, NEMA 4X ENCL.	INCLUDED WITH CONTROL PNL	4
SG-1	SALT GENERATION POWER SUPPLY	BB.N.P1- SEE PNL SCHED.	20	2#12, #12G IN 3/4"C.	120/1	DEDICATED GFI RECEPTACLE	N/A	5.3
FF-1	UNIT HEATER FAN (STEAM)	BB.N.P1- SEE PNL SCHED.	20	2#12, #12G IN 3/4"C.	120/1	MANUAL TOGGLE SW. WITH PILOT LIGHT & OVERLOAD, NEMA 4X ENCL.	INCLUDED WITH EQUIP.	3

NOTE: CONDUCTOR, RACEWAY, BKR, AND DISC. SW. SIZES INDICATED IN SCHEDULE ABOVE, ARE BASIS OF DESIGN VALUES. EXACT. ELECTRICAL EQUIPMENT SIZES AND RATINGS SHALL BE PROVIDED, BASED ON THE APPROVED HVAC SHOP DRAWINGS AND THE HVAC EQUIPMENT MANUFACTURER'S NAMEPLATE M.O.C.P. (MAXIMUM OVERCURRENT PROTEC

ARCHITECT/ENGINEERS:



3603 NW 98TH ST, SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT. OF AUTH: FL #26693 EXPIRES: 02/28/2015 AKEA PROJECT NO: 053-13

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7

J.	ANY WORK ABOVE OR AT THE TOP OF EQUIPMENT SHALL BE PERFORMED IN MANNER THAT PREVENTS DEBRIS AND DROPPED PARTS FROM ENTERING THE EQUIPMENT.
К.	TO CONSERVE USEABLE WALL SPACE, JUNCTION AND PULL BOXES MOUNTED ON THE WALL SHALL BE MOUNTED AT A HEIGHT NO LESS THAN 8' AFF,
L.	KNOWN BUILDING EXPANSION JOINTS ARE SHOWN ON THE FLOOR PLANS. CONTRACTOR SHALL FIELD-VERIFY LOCATIONS OF ADDITIONAL EXPANSION JOINTS FOR THE RACEWAY ROUTING CHOSEN. PROVISIONS IN ACCORDANCE WITH THE SPECIFICATIONS SHALL BE MADE FOR ALL RACEWAY CROSSING EXPANSION JOINTS (WHETHER THE RACEWAY OR JOINTS ARE DEPICTED ON THE PLANS OR NOT).
М.	PROVIDE LABELS FOR ALL NEW EQUIPMENT IN

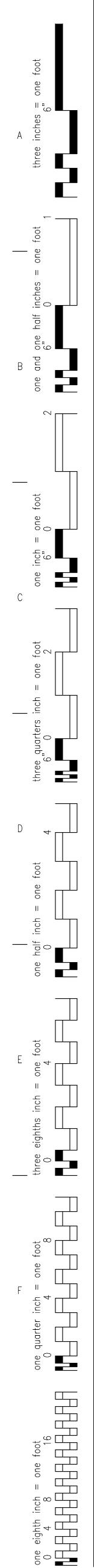
- ACCORDANCE WITH SPECIFICATIONS. SEE THIS SHEET FOR A TYPICAL DETAIL.
- N. RACEWAY ROUTING DEPICTED ON PLANS IS PROPOSED ROUTING; ALTERNATE ROUTES MAY BE USED BY CONTRACTOR, U.N.O. (PENDING APPROVAL BY COR AND ENGINEER). PULL BOXES ARE NOT SHOWN BUT SHALL BE PROVIDED AS REQUIRED.
- O. PROVIDE NEW BREAKERS IN EXIST. PANELS AS NOTED. NEW BREAKERS SHALL MATCH EXIST. PANEL BRAND AND STYLE. BREAKERS SHALL ALSO INDIVIDUALLY MEET OR EXCEED THE EXIST. PANEL SHORT CIRCUIT RATING.
- P. CONDUIT FITTINGS FOR FEEDERS SHALL BE PAINTED PER COLOR CODE PROVIDED IN SPECS.

ECTION) VALU	JE.		APP	ROVE) FO
	Drawing Title ABBREVIATIONS, SYMBOLS, NOTES, SCHEDULES, RISER AND DETAILS	Project Title RENOVATIO MALCOM RA			Project N 57 Building N
	Approved: Project Director	Location GAINESVILLE, Date JULY 23, 2014	FLORIDA Checked CJF	Drawn CJF	Drawing M

	8			9			
					SHEET	NOTES	ן
	AE	BREVIAT	IONS		A. DASHED	ITEMS SHOWN S SHEET ARE	
	A AFF BKR BLDG CKT COORD COR CTRL DISC ENCL EXIST FLUOR	AMPERE ABOVE FINISH BREAKER BUILDING CIRCUIT COORDINATE CONTRACTING CONTROL DISCONNECT ENCLOSURE EXISTING FLUORESCEN	OFFICER'S R	EPRESENTATIVE	1. INSTALL ON FLO	TRANSFORMER OR. PROVIDE EEPING PAD.	A
	FVNR GFI HD HOA JB KA KAIC KVA KW LED	FULL VOLTAG GROUND FAU HEAVY DUTY HAND OFF A JUNCTION BO KILO-AMPERE	E NON REVER LT INTERRUPT JTO X ES ES INTERRUPTI MPERE		PENETRA WITHIN SOUTHW ROOM C (CONTRA PROPOS ROUTE BASEMEN C073-1 3. CONDUIT	NT VIA ROOM). ⁻ AND FITTINGS	В
	LS MCB MLO MTD NEC NF NTS OH	LIFE SAFETY MAIN CIRCUIT MAIN LUGS (MOUNTED NATIONAL ELI NON-FUSED NOT TO SCAI OVERHEAD	ONLY ECTRICAL CODE	Ξ	ROOM S PVC-CO GALVANIZ PROVIDE TRANSIT AT CONI EXIT LOO 4. PROVIDE	POOL EQUIPMENT HALL BE ATED RIGID ZED STEEL. APPROVED ION COUPLINGS DUIT ENTRY AND CATIONS.	
	P PH PNL PRI SEC SW TYP	POLE PHASE PANEL PRIMARY SECONDARY SWITCH TYPICAL			MAGNETI EXIST. N PNL BC. I—LINE, 4W BUS 65KAIC).	RIP THERMAL C BREAKER IN NORMAL POWER .N.DPB (SQ. D 480Y/277V, 3PH , 800A MLO, EC TO NEAREST	
	UNO V VAC W WP	VOLT			EXISTING ELECTRO 6. PROVIDE H-O-A CONNEC FUNCTIO ALSO, F WITH AU	GROUNDING DE PER NEC. STARTER WITH SWITCH AND T "AUTO" N TO B.A.S. PROVIDE STARTER JXILIARY CONTACT	C
_		SYMBOL			STATUS CONNEC	VIDE MOTOR RUN TO THE B.A.S. T TO NEW L PANEL IN VFD	
		SINGLE FAG	IXTURE, SEE S CE EXIT SIGN, FOR EM LIGH ⁻	SEE	ROOM.		
	€ S S₃ S⊧	MANUAL MO	/ITCH /ITCH, 3—WAY DTOR STARTER	(FAN)			
	_	CIRCUIT BF LSIG (LONC INSTANTANE	EAKER 6, SHORT, COUS, GF TRIP)			
	€ € €	QUADPLEX	RECEPTACLE				E
		DISCONNEC MOTOR STA CONDUIT C CLG.	T SWITCH RTER ONCEALED IN NDER FLOOR	WALL OR			
							F
1		APP	•	L DESIG			
	ENOVATIO	ONS TO THE ANDALL VAN		Project Number 573-13-105 Building Number 1	— Co	Office of Instruction d Facilities	
Date		FLORIDA Checked CJF	Drawn CJF	Drawing Number E100 Page 26 of 29		nagement Department of Veterans Affairs	
	8	L		9			J

. –		SHEET NOTES
AB	BREVIATIONS	A. DASHED ITEMS SHOWN ON THIS SHEET ARE
		EXISTING.
	AMPERE ABOVE FINISHED FLOOR	
	BREAKER	
-	BUILDING CIRCUIT	
	COORDINATE	
	CONTRACTING OFFICER'S REPRESENTATIVE	⊖SHEET KEYNOTES
	CONTROL DISCONNECT	
	ENCLOSURE	1. INSTALL TRANSFORMER ON FLOOR. PROVIDE
	EXISTING FLUORESCENT	HOUSEKEEPING PAD.
	FULL VOLTAGE NON REVERSING	2. FEEDER CONDUIT SHALL
	GROUND FAULT INTERRUPT	PENETRATE FLOOR WITHIN 1' OF THE
	HEAVY DUTY HAND OFF AUTO	SOUTHWEST CORNER OF ROOM C073A-1.
	JUNCTION BOX	(CONTRACTOR MAY
	KILO-AMPERES KILO-AMPERES INTERRUPTING CURRENT	PROPOSE ALTERNATE ROUTE TO PIPE
	KILO-AMPERES INTERROPTING CORRENT	BASEMENT VIA ROOM C073-1).
	KILO-WATT	
	LIGHT EMITTING DIODE LIFE SAFETY	3. CONDUIT AND FITTINGS WITHIN POOL EQUIPMENT
	MAIN CIRCUIT BREAKER	ROOM SHALL BE PVC—COATED RIGID
)	MAIN LUGS ONLY	GALVANIZED STEEL.
	MOUNTED NATIONAL ELECTRICAL CODE	PROVIDE APPROVED TRANSITION COUPLINGS
	NON-FUSED	AT CONDUIT ENTRY AND EXIT LOCATIONS.
	NOT TO SCALE	4. PROVIDE NEW 3-POLE
	OVERHEAD POLE	125A-TRIP THERMAL
	PHASE	MAGNETIC BREAKER IN EXIST. NORMAL POWER
	PANEL PRIMARY	PNL BC.N.DPB (SQ. D I-LINE, 480Y/277V, 3PH
	SECONDARY	4W BUS, 800A MLO,
	SWITCH	65KAIC).
	TYPICAL UNLESS NOTED OTHERWISE	5. BOND GEC TO NEAREST EXISTING GROUNDING
	VOLT	ELECTRODE PER NEC.
	VOLTS ALTERNATING CURRENT	6. PROVIDE STARTER WITH
	WIRE OR WATT WEATHERPROOF	H–O–A SWITCH AND CONNECT "AUTO"
		FUNCTION TO B.A.S.
		ALSO, PROVIDE STARTER WITH AUXILIARY CONTACT
		TO PROVIDE MOTOR RUN STATUS TO THE B.A.S.
	SYMBOLS	CONNECT TO NEW CONTROL PANEL IN VFD
$-\Theta$	4' LONG FIXTURE, SEE SCHEDULE	ROOM.
\bigotimes	SINGLE FACE EXIT SIGN, SEE SCHEDULE FOR EM LIGHT	
A ·	FEATURE	
Å	EMERGENCY LIGHT	
S	TOGGLE SWITCH	
S₃	TOGGLE SWITCH, 3-WAY	
Sf	MANUAL MOTOR STARTER (FAN)	
JF	· · ·	
\bigwedge	ELECTRIC MOTOR	-
Ń		
N		
	CIRCUIT BREAKER LSIG (LONG, SHORT,	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP)	
 ⊕	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP)	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP)	
- • •	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE	
 ⊕ ⊕	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG.	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG.	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG.	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG.	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG.	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG.	
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	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG. CONDUIT UNDER FLOOR HOMERUN TO PNL	SUBMITTAI
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG. CONDUIT UNDER FLOOR HOMERUN TO PNL	SN SUBMITTAL
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG. CONDUIT UNDER FLOOR HOMERUN TO PNL	
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG. CONDUIT UNDER FLOOR HOMERUN TO PNL	DNSTRUCTION
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	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG. CONDUIT UNDER FLOOR HOMERUN TO PNL FINAL DESIG APPROVED FOR CO	DNSTRUCTION 5 Office of Construction
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG. CONDUIT UNDER FLOOR HOMERUN TO PNL FINAL DESIG APPROVED FOR CO APPROVED FOR CO Project Number 573-13-105 Building Number 1	ONSTRUCTION 5 Office of
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG. CONDUIT UNDER FLOOR HOMERUN TO PNL FINAL DESIG APPROVED FOR CO APPROVED FOR CO NS TO THE POOL ANDALL VAMC	DNSTRUCTION 5 Office of Construction
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG. CONDUIT UNDER FLOOR HOMERUN TO PNL FINAL DESIG APPROVED FOR CO APPROVED FOR CO Project Number 573-13-105 Building Number 1	5 OFFICE OF Construction and Facilities Management
	CIRCUIT BREAKER LSIG (LONG, SHORT, INSTANTANEOUS, GF TRIP) DUPLEX RECEPTACLE QUADPLEX RECEPTACLE JUNCTION BOX ELECTRICAL PANEL DISCONNECT SWITCH MOTOR STARTER CONDUIT CONCEALED IN WALL OR CLG. CONDUIT UNDER FLOOR HOMERUN TO PNL FINAL DESIG APPROVED FOR CO Project Number 573-13-105 Building Number 1 Drawing Number 1	5 ORSTRUCTION 5 Office of Construction and Facilities Management

6



Revisions:	 Date

	Branch Panel: BB.N.F													
	Location: VFD Room SI Supply From: BB.N.PA VIA Mounting: SURFACE Enclosure: NEMA TYPE	TX BB.N.P	I			Volts: Phases: Wires:		8 Wye				A.I.C. Rating: 10KAIC Main: 150A Bus Size: 150 A		
s:														
Т	Circuit Description	Trip	Poles		A		3	(C	Poles	Trip	Circuit De	escription	СКТ
	POOL EQUIP RM LIGHTING POOL EQUIP RM RECEPTACLES	20 A 20 A	1	281 VA	480 VA		480 VA			3 	20 A	UV-1		2
	FM-1	20 A	1			120 171			480 VA					6
	EF-1	20 A	1	864 VA	0 VA	0041/4	0.)//			1	20 A	SPARE		8
	EF-2 EF-3	20 A 20 A	1			864 VA	0 VA	360 VA	0 VA	1	20 A 20 A	SPARE SPARE		10
	CC-1	20 A	1	120 VA	0 VA					1	20 A	SPARE		14
	SG-1 AF-1	20 A 20 A	1			636 VA	0 VA	120 VA	0 VA	1	20 A 20 A	SPARE SPARE		16 18
	FF-1	20 A	1	360 VA	0 VA			120 VA	UVA	1	20 A	SPARE		20
	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE		22
	SPARE SPARE	20 A 20 A	1	0 VA	0 VA			0 VA	0 VA	1	20 A 20 A	SPARE SPARE		24 26
	SPARE SPARE	20 A 20 A	1	UVA	UVA	0 VA	0 VA			1	20 A 20 A	SPARE		26
	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE		30
	SPACE SPACE			0 VA	0 VA	0 VA	0 VA					SPACE SPACE		32
	SPACE					UVA	UVA	0 VA	0 VA			SPACE		34
	SPACE			0 VA	0 VA							SPACE		38
	SPACE					0 VA	0 VA	01/4	0.1/4			SPACE		40
	SPACE	 Tot	al Load	: 210	5 VA	270	0 VA	0 VA	0 VA S VA			SPACE		42
			al Amps		9 A		I A		A					
	assification	Cor	nected	Load	Dei	nand Fa	ctor	Estim	nated De	mand		Panel	Totals	
ng			184 V/			100.00%		Loun	184 VA	manu		Fanci		
_	- Dwelling Unit		100 VA			100.00%			100 VA			Total Conn. Load:		
			2448 V	4		100.00%)		2448 VA			Total Est. Demand:		
			0 V A			0.00%			0 VA			Total Conn.:	16 A	
			0 VA 1441 V	۹		0.00% 100.00%)		0 VA 1441 VA			Total Conn.: Total Est. Demand:		
er pta	cle													
r ota	Branch Panel: BB.N.F	PA	1441 V			100.00%			1441 VA					
er pta s:		SP101A-1	1441 V			100.00%	480/277		1441 VA				16 A	
s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE	SP101A-1	1441 V	A		100.00% 100.00% Volts: Phases: Wires:	480/277 3 4	Y Wye	1441 VA		Trip 15 A	A.I.C. Rating: 14KAIC Main: MLO	16 A	СК 2
r pta s: s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE	SP101A-1 1 Trip 15 A 	1441 V. 1632 V. Poles 3 	A	A	100.00% 100.00% Volts: Phases: Wires:	480/277 3 4	Y Wye	1441 VA 1632 VA	Poles 3 	15 A 	Total Est. Demand: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2 	16 A	2 4
r 5::	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE	SP101A-1 1 Trip 15 A	1441 V. 1632 V. Poles 3	A	A	100.00% 100.00% Volts: Phases: Wires:	480/277 3 4	Y Wye	1441 VA 1632 VA	Poles	15 A	Total Est. Demand: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2	16 A	2 4 6
r :::	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE	SP101A-1 1 Trip 15 A 	1441 V. 1632 V. Poles 3 	A 2005	A 2005	100.00% 100.00% Volts: Phases: Wires:	480/277 3 4	Wye Wye 2005	1441 VA 1632 VA	Poles 3 	15 A 	Total Est. Demand: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2 	16 A	2 4 6 8 10
	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE	SP101A-1 1 Trip 15 A 15 A 15 A 	1441 V. 1632 V. Poles 3 3 3 	A 2005 2880	A 2005 2104	100.00% 100.00% Volts: Phases: Wires:	480/277 3 4 2005	Wye Wye 2005	1441 VA 1632 VA	Poles 3 3 3 3	15 A 70 A 	Total Est. Demand: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2 TX BB.N.P1	16 A	2 4 6 8 10 12
	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE	SP101A-1 1 Trip 15 A 15 A 	1441 V. 1632 V. Poles 3 3 3	A 2005	A 2005	100.00% 100.00% Volts: Phases: Wires:	480/277 3 4 2005	· Wye	1441 VA 1632 VA	Poles 3 3 3 3	15 A 70 A 	Total Est. Demand: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A P-2 TX BB.N.P1 	16 A	2 4 6 8 10 12 14
:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE Circuit Description P-1 COMP-1 SPARE <td>SP101A-1 1 Trip 15 A 15 A 15 A</td> <td>1441 V. 1632 V. Poles 3 3 3</td> <td>A 2005 2880 2880 0 VA 0 VA</td> <td>A 2005 2104 0 VA</td> <td>100.00% 100.00% Volts: Phases: Wires: 2005 0 VA</td> <td>480/277 3 4 2005 2700</td> <td>· Wye</td> <td>1441 VA 1632 VA</td> <td>Poles 3 3 3 3 3</td> <td>15 A 70 A 15 A </td> <td>Total Est. Demand: Total Est. Demand: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2 TX BB.N.P1 SPARE SPARE</td> <td>16 A</td> <td>2 4 6 8 10 12 14 14 16 18</td>	SP101A-1 1 Trip 15 A 15 A 15 A	1441 V. 1632 V. Poles 3 3 3	A 2005 2880 2880 0 VA 0 VA	A 2005 2104 0 VA	100.00% 100.00% Volts: Phases: Wires: 2005 0 VA	480/277 3 4 2005 2700	· Wye	1441 VA 1632 VA	Poles 3 3 3 3 3	15 A 70 A 15 A 	Total Est. Demand: Total Est. Demand: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2 TX BB.N.P1 SPARE SPARE	16 A	2 4 6 8 10 12 14 14 16 18
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r Dta 5: 5:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE Circuit Description NEMA TYPE P-1 COMP-1 SPARE SPACE SPACE SPACE SPACE SPACE SPACE	SP101A-1 1 1 1 1 1 1 15 A 15 A 15 A 15 A 15 A 1	1441 V. 1632 V. 1632 V. Poles 3 3 3 3 3 	A 2005 2880 2880 0 VA 0 VA	A 2005 2104 0 VA	100.00% 100.00% 100.00% Volts: Phases: Wires: 2005 0 VA 0 VA 0 VA	480/277 3 4 2005 2700 2700 0 VA 0 VA	 Wye 2005 0 VA 0 VA 	1441 VA 1632 VA	Poles 3 3 3 3 1 1 1	15 A 70 A 15 A 20 A 20 A	Total Est. Demand: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2 TX BB.N.P1 SPARE	16 A	2 4 6 8 10 12 14 14 16 18 20 22 22 24 24
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r pta 3:: 3: 7	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE Circuit Description P-1 COMP-1 SPARE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	SP101A-1	1441 V. 1632 V. 1632 V. Poles 3 3 3 3 3 3 3 	A 	A 2005 2104 2104 0 VA 0 VA 0 VA	100.00% 100.00% 100.00% Volts: Phases: Wires: 2005 0 VA 0 VA 0 VA	480/277 3 4 2005 2700 2700 0 VA 0 VA	 Wye 2005 0 VA 0 VA 	1441 VA 1632 VA	Poles 3 3 3 1 1 1 1 1 1 	15 A 70 A 15 A 20 A 20 A 20 A 	Total Est. Demand: A.I.C. Rating: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2 TX BB.N.P1 SPARE SPARE SPACE	16 A	2 4 6 8 10 12 14 14 16 18 20 22 24 24 26 28 30
s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE Circuit Description P-1 COMP-1 SPARE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	SP101A-1	1441 V. 1632 V. 1632 V. Poles 3 3 3 3 3 	A 2005 2880 2880 0 VA 0 VA	A 2005 2104 2104 0 VA 0 VA	100.00% 100.00% 100.00% Volts: Phases: Wires: 2005 0 VA 0 VA 0 VA	480/277 3 4 2005 2700 2700 0 VA 0 VA	Vye 2005 2005 0 VA 0 VA	1441 VA 1632 VA 2005 996 VA 996 VA 0 VA	Poles 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	15 A 70 A 15 A 20 A 20 A 20 A 20 A	Total Est. Demand: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2 TX BB.N.P1 SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	16 A	2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32
r pta s: f f	Branch Panel: BB.N.I Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE	SP101A-1	1441 V. 1632 V. 1632 V. Poles 3 3 3 3 3 	A 	A 2005 2104 2104 0 VA 0 VA 0 VA 0 VA	100.00% 100.00% 100.00% Volts: Phases: Wires: 2005 0 VA 0 VA 0 VA 0 VA	480/277 3 4 2005 2700 2700 0 VA 0 VA	Vye 2005 2005 0 VA 0 VA	1441 VA 1632 VA 2005 996 VA 996 VA 0 VA	Poles 3 3 3 3 1 1 1 1	15 A 70 A 15 A 20 A 20 A 20 A 20 A 	Total Est. Demand: A.I.C. Rating: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2 TX BB.N.P1 SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPACE SPACE SPACE SPACE	16 A	2 4 6 8 10 12 14 14 16 18 20 22 24 24 26 28 30 32 34 34 36
	Branch Panel: BB.N.I Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE	SP101A-1	1441 V. 1632 V. 1632 V. Poles 3 3 3 3 	A 	A 2005 2104 2104 0 VA 0 VA 0 VA	100.00% 100.00% 100.00% Volts: Phases: Wires: 2005 2005 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	480/277 3 4 2005 2700 2700 0 VA 0 VA 0 VA	Vye 2005 2005 0 VA 0 VA 0 VA	1441 VA 1632 VA 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Poles 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 A 70 A 15 A 20 A 20 A 20 A 20 A 	Total Est. Demand: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2 TX BB.N.P1 TX BB.N.P1 SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	16 A	2 4 6 8 10 12 14 14 16 18 20 22 24 24 26 28 30 30 32 34 34 36 38
s:	Branch Panel: BB.N.I Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE	SP101A-1	1441 V. 1632 V. 1632 V. Poles 3 3 3 3 3 3 3 3 3 	A 	A 2005 2104 2104 0 VA 0 VA 0 VA 0 VA	100.00% 100.00% 100.00% Volts: Phases: Wires: 2005 0 VA 0 VA 0 VA 0 VA	480/277 3 4 2005 2700 2700 0 VA 0 VA	Vye 2005 2005 0 VA 0 VA 0 VA	1441 VA 1632 VA 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Poles 3 3 3 3 1 1 1 1 1 1 1 	15 A 70 A 15 A 20 A 20 A 20 A 20 A 	Total Est. Demand: A.I.C. Rating: A.I.C. Rating: 14KAIC Main: MLO Bus Size: 125 A Circuit De P-2 TX BB.N.P1 SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPACE SPACE SPACE SPACE	16 A	2

	Branch Panel: BB.N.F	21													
	Location: VFD Room SF Supply From: BB.N.PA VIA Mounting: SURFACE Enclosure: NEMA TYPE	2101A-1 TX BB.N.P1				Volts: Phases: Wires:		Wye				A.I.C. Rating: Main: Bus Size:	150A		
es:															
Т	Circuit Description POOL EQUIP RM LIGHTING	20 A	Poles	281 VA	4 480 VA		B	(Poles 3	Trip 20 A	UV-1	Circuit De	scription	2 CKT
	POOL EQUIP RM RECEPTACLES	20 A	1				480 VA								4
	FM-1	20 A	1	864 VA	0.1/4			36 VA	480 VA			 SPARE			6
	EF-1 EF-2	20 A 20 A	1	864 VA	0 VA	864 VA	0 VA			1 1	20 A 20 A	SPARE			8
	EF-3	20 A	1			-		360 VA	0 VA	1	20 A	SPARE			12
	CC-1 SG-1	20 A 20 A	1	120 VA	0 VA	636 VA	0 VA			1 1	20 A 20 A	SPARE SPARE			14
	AF-1	20 A	1			030 VA	UVA	120 VA	0 VA	1	20 A	SPARE			18
	FF-1	20 A	1	360 VA	0 VA	-				1	20 A	SPARE			20
	SPARE SPARE	20 A	1			0 VA	0 VA	0 VA	0 VA	1	20 A 20 A	SPARE SPARE			22
	SPARESPARE	20 A 20 A	1	0 VA	0 VA			UVA	UVA	1 1	20 A 20 A	SPARE			24 26
	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE			28
	SPARE	20 A	1	0.1/1	0.1/2			0 VA	0 VA	1	20 A	SPARE			30
	SPACE SPACE			0 VA	0 VA	0 VA	0 VA					SPACE SPACE			32
	SPACE							0 VA	0 VA			SPACE			36
	SPACE			0 VA	0 VA							SPACE			38
	SPACE					0 VA	0 VA	0.1/2	0.1/2			SPACE			40
	SPACE	 Tot	 al Load:	2105	5 VA	270	0 VA	0 VA 996	0 VA VA			SPACE			42
			I Amps:				4 A		A						
nd															
	assification	Con	nected I			mand Fa		Estim	nated De	mand			Panel	Totals	
ng	· Dwelling Unit		184 VA 100 VA			100.00% 100.00%			184 VA 100 VA			Total Coni	n Load:	5805 \/A	
r			2448 VA			100.00%			2448 VA			Total Est. D			
			0 VA		1										
			UVA			0.00%			0 VA			Tota	I Conn.:	10 A	
er pta	cle		0 VA 1441 VA 1632 VA			0.00% 100.00% 100.00%			0 VA 1441 VA 1632 VA			Tota Total Est. D			
r pta	Branch Panel: BB.N.F		1441 VA			100.00%	, 		1441 VA						
er epta s:		PA P101A-1	1441 VA			100.00%	480/277		1441 VA				Demand:		
r epta es:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE T	P101A-1 1 Trip	1441 VA 1632 VA			100.00% 100.00% Volts: Phases: Wires:	480/277	Wye	1441 VA	Poles	Trip	A.I.C. Rating: Main: Bus Size:	Demand:	16 A	СКТ
s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE -	PA P101A-1 1 Trip 15 A	1441 VA 1632 VA			100.00% 100.00% Volts: Phases: Wires:	480/277 3 4	Wye	1441 VA 1632 VA	Poles	15 A	A.I.C. Rating: Main: Bus Size: P-2	Demand: 14KAIC MLO 125 A	16 A	2
r pta s: s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE T	P101A-1 1 Trip	1441 VA 1632 VA			100.00% 100.00% Volts: Phases: Wires:	480/277 3 4	Wye	1441 VA 1632 VA	Poles	-	A.I.C. Rating: Main: Bus Size:	Demand: 14KAIC MLO 125 A	16 A	
r pta s: s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE of Circuit Description	PA P101A-1 1 Trip 15 A 	1441 VA 1632 VA			100.00% 100.00% Volts: Phases: Wires:	480/277 3 4 8 2005	Wye	1441 VA 1632 VA	Poles 3 	15 A 	A.I.C. Rating: Main: Bus Size: P-2 	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8
s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE - Circuit Description P-1 	P101A-1 1 Trip 15 A	1441 VA 1632 VA Poles 3 3 3	2005	A 2005	100.00% 100.00% Volts: Phases: Wires:	480/277 3 4	Wye 2005	1441 VA 1632 VA	Poles 3 3 3	15 A 70 A 	A.I.C. Rating: Main: Bus Size: P-2 	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8 10
r pta s: s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE - Circuit Description	PA P101A-1 1 1 Trip 15 A 15 A	1441 VA 1632 VA Poles 3 3	2005	A 2005	100.00% 100.00% Volts: Phases: Wires:	480/277 3 4 8 2005	Wye 2005	1441 VA 1632 VA	Poles 3 3	15 A 70 A	A.I.C. Rating: Main: Bus Size: P-2 TX BB.N.P1 	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8 10
r pta s: s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE - Circuit Description	PA P101A-1 1 1 15 A 15 A 15 A 15 A	1441 VA 1632 VA Poles 3 3 3 	2005	A 2005 2104	100.00% 100.00% Volts: Phases: Wires:	480/277 3 4 8 2005	Wye VVe 2005 0 VA	1441 VA 1632 VA	Poles 3 3 3 3	15 A 70 A 	Total Est. D	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8 10 12 14 14
	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE - Circuit Description P-1 COMP-1 SPARE	P101A-1 1 Trip 15 A	1441 VA 1632 VA Poles 3 3 3 3 	2005 2880 2880	A 2005 2104 0 VA	100.00% 100.00% 100.00% Volts: Phases: Wires: Uires: Uires	480/277 3 4 2005 2700	Wye 2005	1441 VA 1632 VA	Poles 3 3 3 3 3 3	15 A 70 A 15 A 	Total Est. D A.I.C. Rating: Main: Bus Size: P-2 TX BB.N.P1 SPARE SPARE	Demand: 14KAIC MLO 125 A	16 A	2 4 6 10 12 14 16 18
r pta s: s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE Circuit Description P-1	P101A-1 1 Trip 15 A 15 A 15 A 15 A 15 A 	1441 VA 1632 VA Poles 3 3 3 3 3 	2005	A 2005 2104	100.00% 100.00% 100.00% Volts: Phases: Wires: Volts: 0 Vo	480/277 3 4 2005 2700 2700	Wye VVe 2005 0 VA	1441 VA 1632 VA	Poles 3 3 3 3 1	15 A 70 A 15 A 15 A 20 A	Total Est. D A.I.C. Rating: Main: Bus Size: P-2 TX BB.N.P1 TX BB.N.P1 SPARE SPARE SPARE SPARE	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8 10 12 14 14 16 18 20
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s:	Erranch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE -	PA P101A-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1441 VA 1632 VA Beles 3 3 3 3 	2005 2880 2880	A 2005 2104 0 VA	100.00% 100.00% 100.00% Volts: Phases: Wires: 2005 2005 0 VA 0 VA 0 VA 0 VA	480/277 3 4 2005 2700 2700 0 VA 0 VA	Wye VVye 2005 0 VA 0 VA	1441 VA 1632 VA	Poles 3 3 3 3 1 1	15 A 70 A 15 A 20 A 20 A	Total Est. D	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8 10 12 14 14 16 18 20 22 22 24 24
s:	Erranch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE - Comp-1	PA P101A-1 1 Trip 15 A 15 A 15 A 15 A 15 A 15 A 15 A 15 A 15 A 15 A	1441 VA 1632 VA 1632 VA 90les 3 3 3 3 3 3 3 3 3 3 3 	2005 2880 2880 0 VA	A 2005 2104 0 VA	100.00% 100.00% 100.00% Volts: Phases: Wires: Volts: 0 Volts: 0 VA 0 VA 0 VA	480/277 3 4 2005 2700 2700	Wye Wye 2005 2005 0 VA 0 VA 0 VA	1441 VA 1632 VA	Poles 3 3 3 1 1 1 1 1	15 A 70 A 15 A 20 A 20 A 20 A 20 A	Total Est. D	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8 10 12 14 14 16 18 20 22 22 24 24 26 28
s:	Erranch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE -	PA P101A-1 1 Trip 15 A 15 A 15 A 15 A 15 A 15 A 15 A 	1441 VA 1632 VA 901es 3 3 3 3 	2005 2880 2880 0 VA	A 2005 2104 0 VA	100.00% 100.00% 100.00% Volts: Phases: Wires: 2005 2005 0 VA 0 VA 0 VA 0 VA	480/277 3 4 2005 2700 2700 0 VA 0 VA	Wye VVye 2005 0 VA 0 VA	1441 VA 1632 VA	Poles 3 3 3 1 1 1 1 1 1 	15 A 70 A 15 A 20 A 20 A 20 A 20 A	Total Est. D	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8 10 12 14 14 16 18 20 22 22 24 24 26 28 30
s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE ' Circuit Description P-1 COMP-1 SPARE SPACE	PA P101A-1 1 1 15 A 15 A	1441 VA 1632 VA 90les 3 3 3 3 3 3 3 3 3 	2005 2880 2880 0 VA 0 VA	A 2005 2104 0 VA 0 VA	100.00% 100.00% 100.00% Volts: Phases: Wires: 2005 2005 0 VA 0 VA 0 VA 0 VA	480/277 3 4 2005 2700 2700 0 VA 0 VA	Wye Wye 2005 2005 0 VA 0 VA 0 VA 0 VA	1441 VA 1632 VA	Poles 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 	15 A 70 A 15 A 20 A 20 A 20 A 20 A 	Total Est. D	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8 10 12 14 14 16 18 20 22 22 24 24 26 28 30 30 32 34
s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE 7	PA P101A-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1441 VA 1632 VA 1632 VA 90les 3 3 3 3 3 3 3 3 3 	2005 2880 2880 0 VA 0 VA 0 VA	A 2005 2104 0 VA 0 VA 0 VA	100.00% 100.00	480/277 3 4 2005 2700 2700 0 VA 0 VA 0 VA	Wye Wye 2005 2005 0 VA 0 VA 0 VA	1441 VA 1632 VA	Poles 3 3 3 3 1 1 1 1 1 1 1 1 1 1	15 A 70 A 15 A 20 A 20 A 20 A 20 A 	Total Est. D	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8 10 12 14 14 16 18 20 22 24 24 26 28 30 32 34 34 36
s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE -	PA P101A-1 1 Trip 15 A 15 A	1441 VA 1632 VA 1632 VA 90les 3 3 3 3 3 	2005 2880 2880 0 VA 0 VA	A 2005 2104 0 VA 0 VA	100.00% 100.00	480/277 3 4 2005 2700 2700 0 VA 0 VA 0 VA 0 VA	Wye Wye 2005 2005 0 VA 0 VA 0 VA 0 VA	1441 VA 1632 VA	Poles 3 3 3 1 1 1 1 1 1 1 1 1 1 	15 A 70 A 15 A 20 A 20 A 20 A 20 A 	Total Est. D	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 30 32 32 34 38
s:	Branch Panel: BB.N.F Location: VFD ROOM S Supply From: BC.N.DPB Mounting: SURFACE Enclosure: NEMA TYPE 7	PA P101A-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1441 VA 1632 VA 901es 3 3 3 3 3 3 3 3 3 	2005 2880 2880 0 VA 0 VA 0 VA	A 2005 2104 0 VA 0 VA 0 VA	100.00% 100.00	480/277 3 4 2005 2700 2700 0 VA 0 VA 0 VA	Wye Wye 2005 2005 0 VA 0 VA 0 VA 0 VA	1441 VA 1632 VA	Poles 3 3 3 3 1 1 1 1 1 1 1 	15 A 70 A 15 A 20 A 20 A 20 A 20 A 	Total Est. D	Demand: 14KAIC MLO 125 A	16 A	2 4 6 8 10 12 14 14 16 18 20 22 22 24 24 26 28 30 32 34 34

Location:	VFD ROOM SP101A-1
Supply From:	BC.N.DPB
Mounting:	
•	NEMA TYPE 1

Volts
Phases
14/2

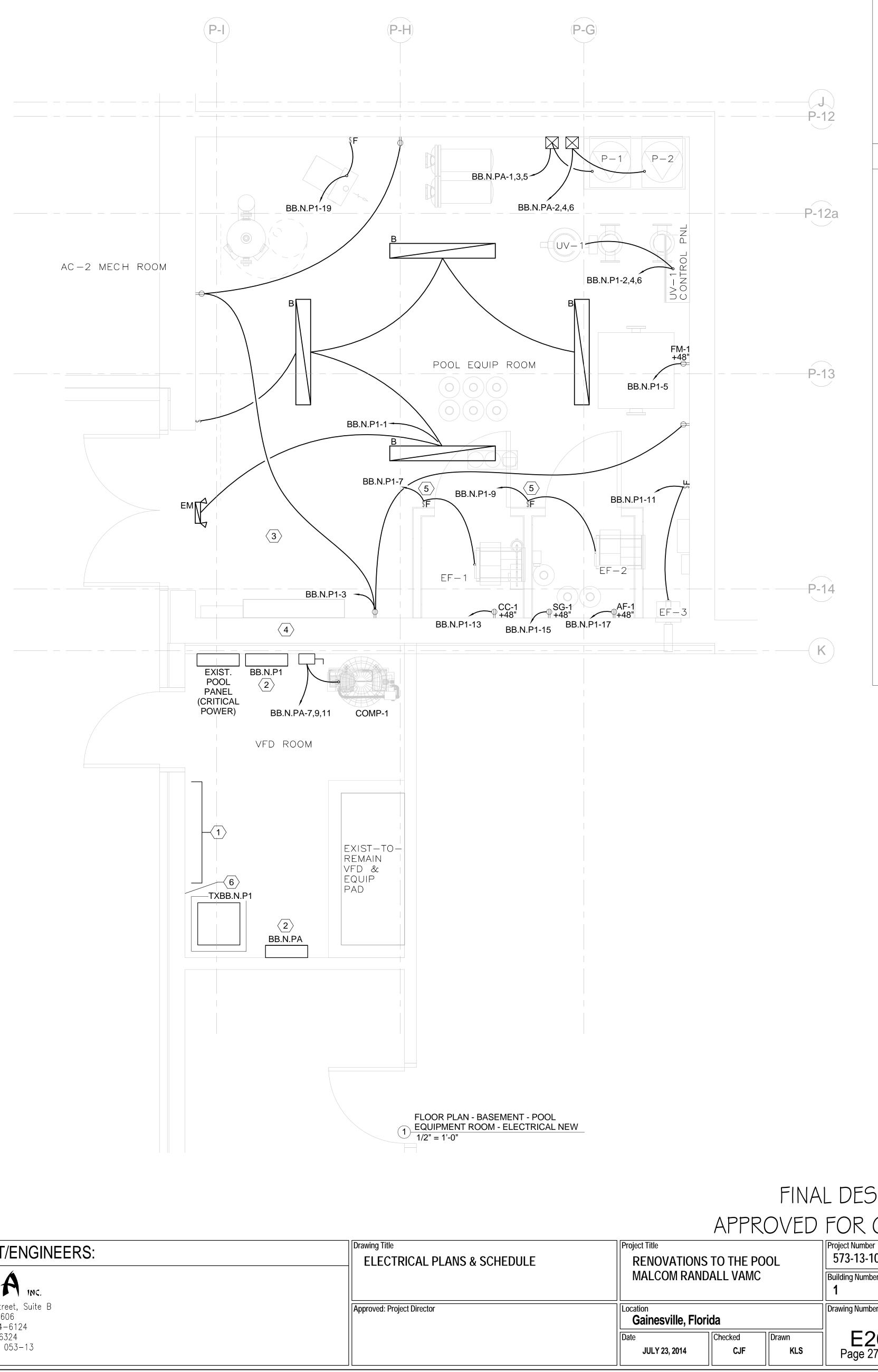
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Lighting	184 VA	100.00%	184 VA		
Lighting - Dwelling Unit	100 VA	100.00%	100 VA	Total Conn. Load:	20717 VA
Motor	2448 VA	100.00%	2448 VA	Total Est. Demand:	20717 VA
Other	12032 VA	100.00%	12032 VA	Total Conn.:	25 A
Power	4321 VA	100.00%	4321 VA	Total Est. Demand:	25 A
Receptacle	1632 VA	100.00%	1632 VA		

CONSULTANTS:



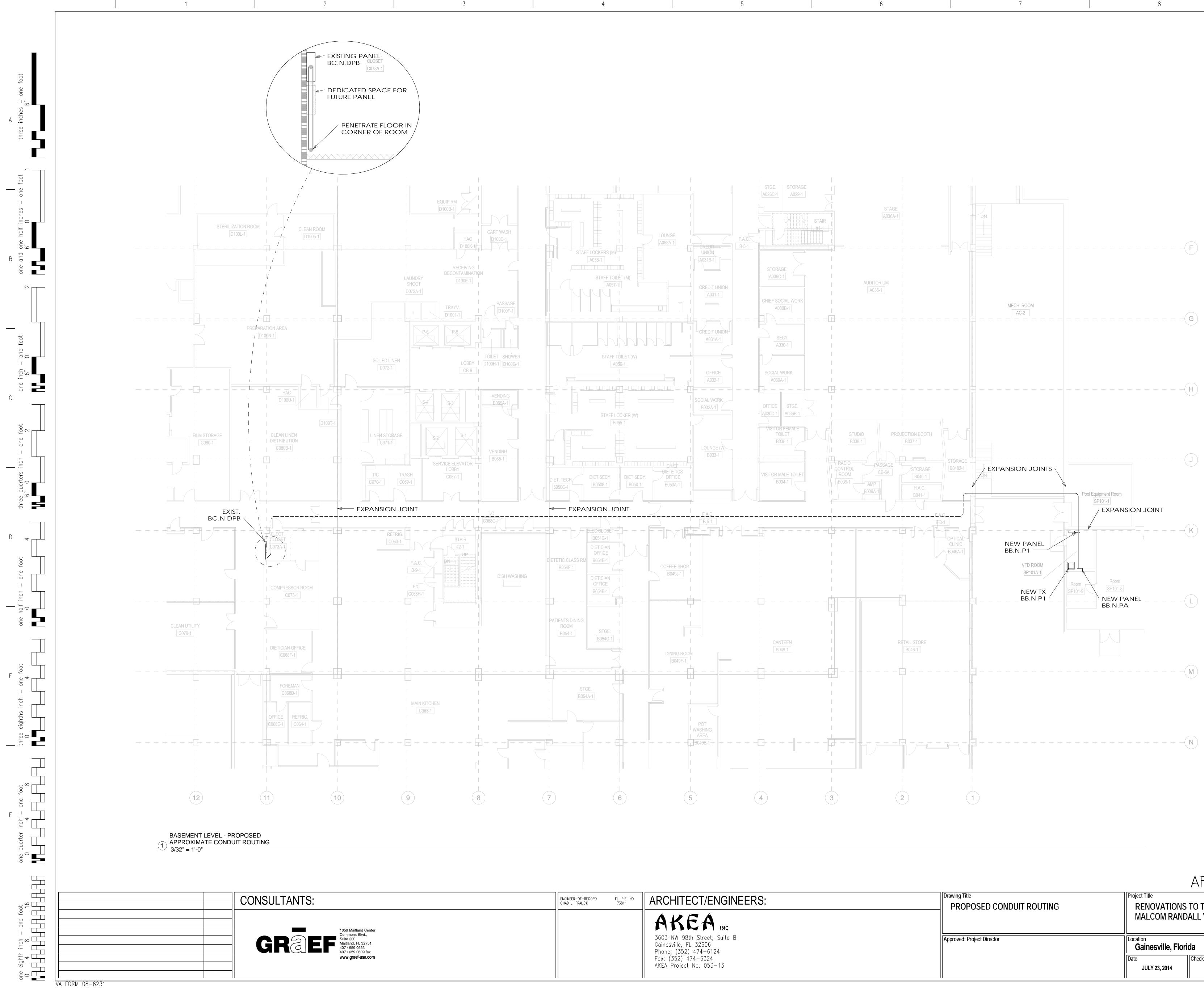


3	



AKEA INC. 3603 NW 98th Street, Suite B Gainesville, FL 32606 Phone: (352) 474-6124 Eax: (352) 474-6324	ENGINEER-OF-RECORD CHAD J. FRALICK	FL. P.E. NO. 73811	ARCHITECT/ENGINEERS:
AKEA Project No. 053-13			3603 NW 98th Street, Suite B Gainesville, FL 32606 Phone: (352) 474-6124 Fax: (352) 474-6324

9	
SHEET NOTES	
A. POOL EQUIPMENT ROOM SHALL BE CONSIDERED A CORROSIVE ENVIRONMENT. PROVIDE RACEWAY AND BOXES WITH PROTECTION AS NOTED IN	
SPECS. B. COORDINATE ELECTRICAL EQUIPMENT LOCATIONS WITH APPROVED EQUIPMENT SHOP DRAWINGS AND LAYOUTS.	A
○ SHEET KEYNOTES	_
1 WALL SPACE DEDICATED FOR CONTROLS. COORD. LOCATION WITH EXIST. CONTROL ITEMS. CONTROL POINTS FROM POOL EQUIPMENT SHALL BE BROUGHT TO NEW CONTROL PANEL ON THIS WALL.	
2 PROVIDE NEW PANEL IN VFD ROOM. PROVIDE NEW CIRCUIT FOR CONTROLS AS REQUIRED.	
 DEMO EXISTING LIGHTING, WIRING DEVICES, EXPOSED CONDUIT, DISCONNECT SWITCHES, JUNCTION BOXES AND MOTOR STARTERS FEEDING EQUIPMENT LOCATED IN THE POOL EQUIPMENT ROOM. CONDUIT AND CONDUCTORS SHALL BE 	В
REMOVED BACK TO THEIR SOURCE. PATCH UNUSED WALL OPENINGS UNCOVERED BY ELECTRICAL	
DEMOLITION.	С
PENETRATIONS THROUGH THIS WALL. 5 PROVIDE LABEL FOR EF SWITCHES, COORDINATE	
LABEL REQUIREMENTS WITH MECHANICAL. 6 REMOVE EXISTING UNCONNECTED VFD - MTD.	
	D
	E
	F
BIGN SUBMITTAL CONSTRUCTION er 105 ber ber ber ber ber 200 27 of 29	
27 of 29 Veterans Affairs	

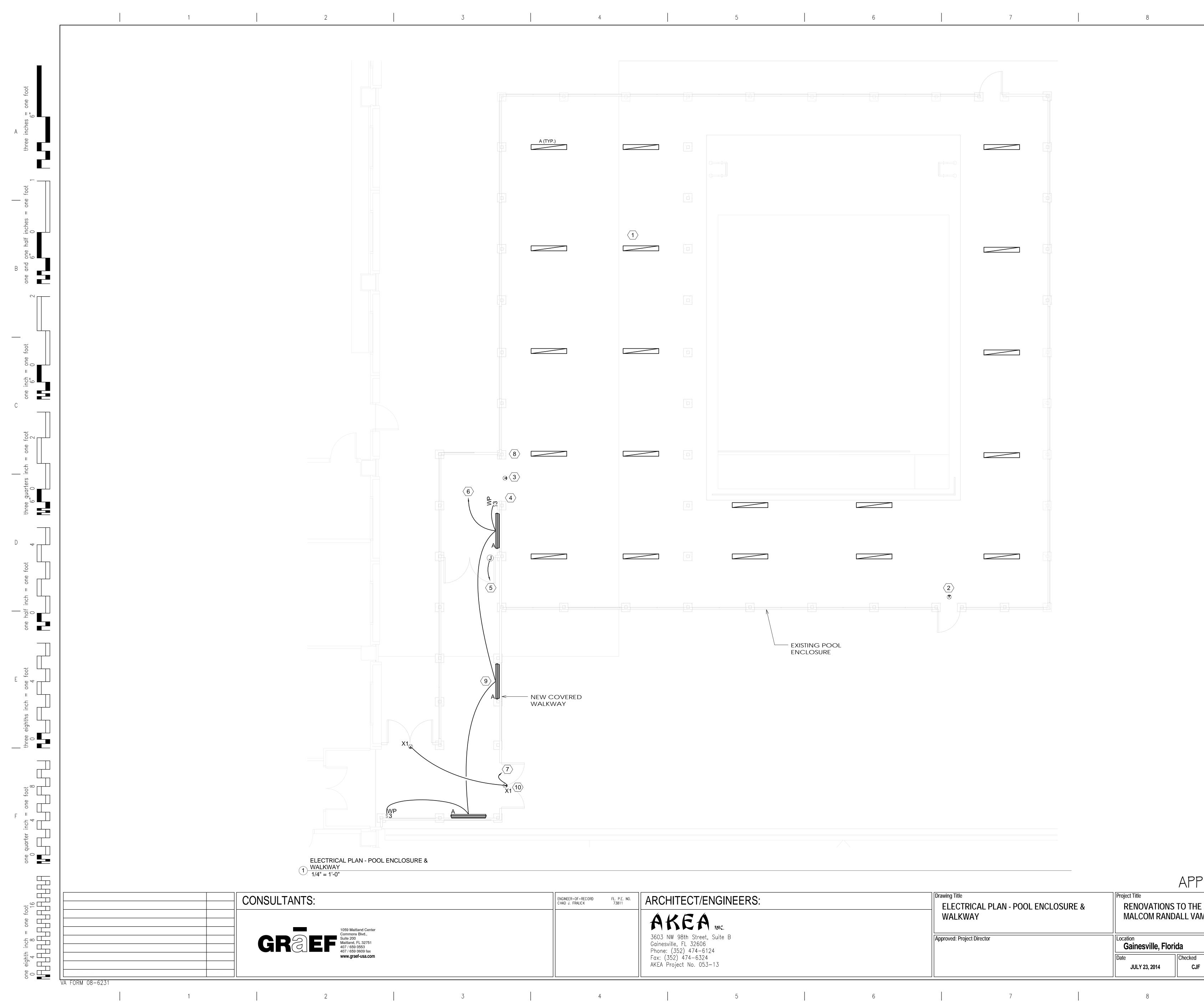


В

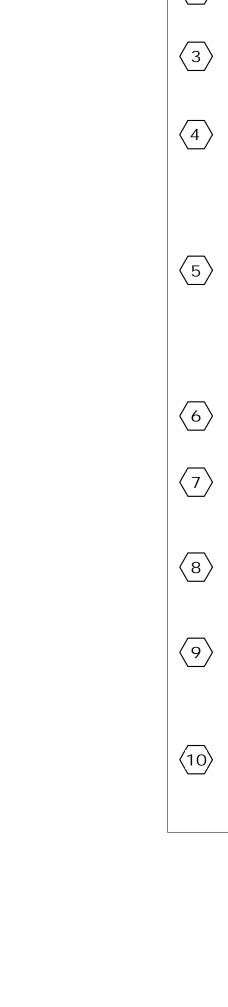
			FIN	AL DESIG
			APPROVED	D FOR C
ENGINEER-OF-RECORD FL. P.E. NO. CHAD J. FRALICK 73811	ARCHITECT/ENGINEERS:	Drawing Title PROPOSED CONDUIT ROUTING	Project Title RENOVATIONS TO THE POOL	Project Number 573-13-105
	AKEA INC.		MALCOM RANDALL VAMC	Building Number
	3603 NW 98th Street, Suite B Gainesville, FL 32606 Phone: (352) 474-6124	Approved: Project Director	Location Gainesville, Florida	Drawing Number
	Fax: (352) 474-6324 AKEA Project No. 053-13		Date Checked Drawn JULY 23, 2014 CJF KLS	E20 Page 28 of
	3603 NW 98th Street, Suite B Gainesville, FL 32606 Phone: (352) 474-6124 Fax: (352) 474-6324	Approved: Project Director	Gainesville, Florida Date Checked	E2

3 4 5 6 9

9 SHEET NOTES A. DASHED LINE REPRESENTS CONDUIT ROUTED IN PIPE	
CONDUIT ROUTED IN PIPE	
BASEMENT BELOW BASEMENT FLOOR	
B. SOLID LINE REPRESENTS CONDUIT ROUTED EXPOSED	
C. CONTRACTOR SHALL PROVIDE PULL BOXES AS REQUIRED TO ACCOMPLISH PULL AND PER NEC.	4
D. PROPOSED ROUTE SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXACT ROUTE. CONTRACTOR MAY PROPOSE ALTERNATE ROUTE; SUBMIT TO VA FOR APPROVAL.	·
E. REFER TO RISER AND SPECS FOR CONDUIT TYPES.	
	D
BIGN SUBMITTAL CONSTRUCTION er 105 ber ber 201 28 of 29 Department of Veterans Affairs	



				Approved: Project Director		Gainesville, Florida	Drawir
	AK	ECT/ENGINEERS:		ELECTRICAL PLAN - POOL WALKWAY	ENCLOSURE &	RENOVATIONS TO THE POO MALCOM RANDALL VAMC	
				Drawing Title			
							FINAL E
EW COVERED ALKWAY							
		EXI EN	STING POOL CLOSURE				
				$\langle 2 \rangle$			
	WCOVERED						



9		
\bigcirc	SHEET KEYNOTES	
	DEMOLISH EXIST. 4' FLUOR. VAPOR-PROOF 2-LAMP FIXTURES. REPLACE WITH NEW LED FIXTURES. DESIGN INTENT IS FOR THE CONTRACTOR TO PROVIDE NEW FIXTURE IN SAME LOCATIONS AS EXISTING. REPLACE DAMAGED LIGHTING CONDUIT AND CONDUCTORS AS REQUIRED. (TYPICAL OF 19 FIXTURES IN POOL ENCLOSURE)	
2	exist. exit/em. light fixture to Remain.	, A
3	EXIST. EXIT/EM. LIGHT FIXTURE TO REMAIN - RELOCATE AS NECESSARY FOR OPENING.	
4	PROVIDE NEW WP TOGGLE SWITCH AT NEW OPENING LOCATION. PROVIDE NEW CONDUIT AND CONDUCTORS TO FIXTURE. DEMOLISH EXIST. SWITC AND ATTACHED CONDUIT.	-
5	PROVIDE POWER CONNECTION TO AUTOMATIC DOOR OPERATOR. CONNECT TO EXISTING CIRCUIT. ALSO PROVIDE CONNECTION TO MOTION CONTROLLER AND PUSH BUTTON, SEE A300.	N B
6	CONNECT TO EXISTING POOL LIGHTING CIRCUIT.	
7	CONNECT TO AN UNSWITCHED LEG OF THE EXISTING POOL LIGHTING CIRCUIT.	
8	DISCONNECT EXIST. DOOR OPERATOR AND REUSE EXISTING CIRCUIT FOR NEW DOOR.	
9	Mount Walkway Fixture to Vertical side of Beams. Do Not Penetrate Walkway Roc (Typ 1 of 3 Fixtures)	DF.
10	Mount exit sign to exterior side above door.	C
		E
		F
RC umber 13-10 Number Number	Construction and Facilities	5