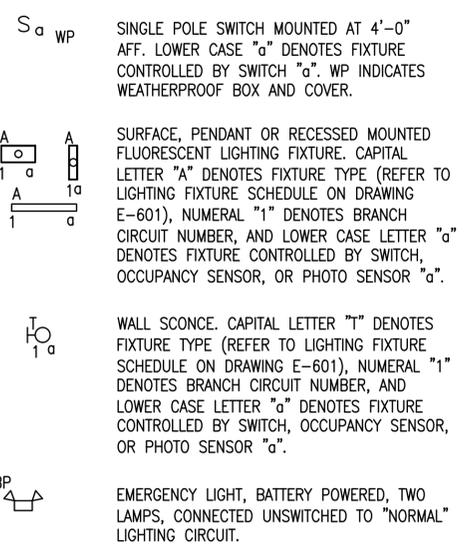
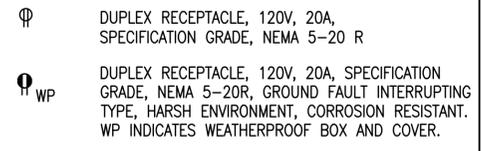


FILE NAME: U:\proj-2070a - stem\CADD\Buildings\05_Electrical\02-2070a-E-001.dwg LAYOUT NAME: LEGEND ABBREVIATIONS AND GENERAL NOTES PLOTTED: Wednesday, August 06, 2014 - 11:24am USER: Wronsk_LY

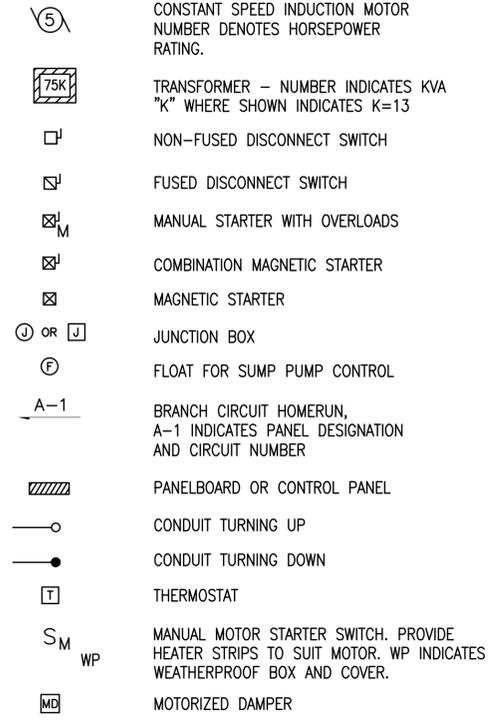
LIGHTING



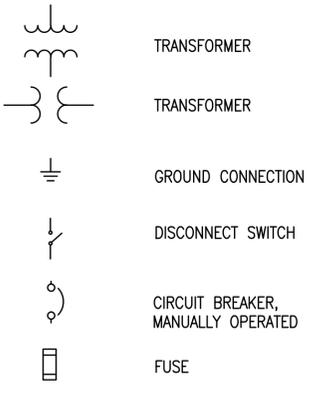
RECEPTACLES



GENERAL



SINGLE LINE DIAGRAM



ELECTRICAL ABBREVIATIONS

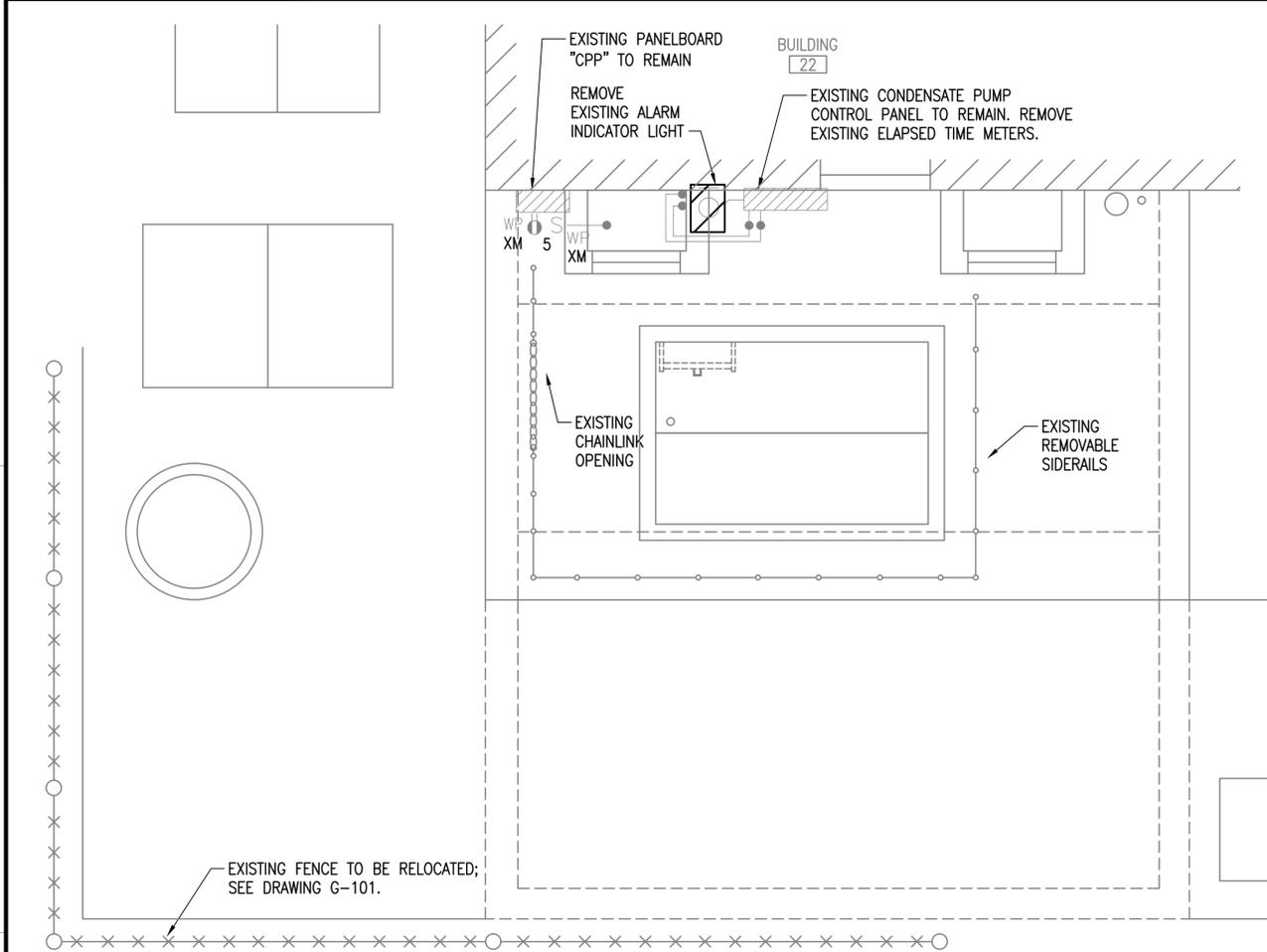
A, AMP	AMPERE	M	MOTOR LOAD TYPE FOR PANEL SCHEDULE
AC	ALTERNATING CURRENT	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AIC	AMPERE INTERRUPTING CAPACITY	MD, MOD	MOTORIZED DAMPER
AWG	AMERICAN WIRE GAUGE	MLO	MAIN LUG ONLY
BKR	BREAKER	MM	MULTIMODE
C	CONDUCTOR, CONDUIT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CAT	CATEGORY	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CATV	CABLE TV	NO, #	NUMBER
CB	CIRCUIT BREAKER	∅	PHASE
CFL	COMPACT FLUORESCENT LAMP	P	POLE
CKT	CIRCUIT	PNSY	PORTSMOUTH NAVAL SHIPYARD
CP-X	CONDENSATE PUMP - NUMBER	RGS	RIGID GALVANIZED STEEL
EF-X	EXHAUST FAN - NUMBER	SP-X	SUMP PUMP - NUMBER
EMT	ELECTRICAL METALLIC TUBING	SS	STAINLESS STEEL
ETC	ETCETERA	TYP	TYPICAL
EXIST	EXISTING	UL	UNDERWRITERS LABORATORIES
FACP	FIRE ALARM CONTROL PANEL	V	VOLT
FO	FIBER OPTIC	VA	VOLT-AMPERES
G	GROUND	VAC	VOLTS ALTERNATING CURRENT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	W	WATT, WIRE
HID	HIGH INTENSITY DISCHARGE	W/	WITH
HP	HORSEPOWER	WP	WEATHERPROOF
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	XM	EXISTING TO REMAIN
J	JUNCTION BOX	XP	EXPLOSIONPROOF
KA	KILO-AMPERE		
KCMIL	KILO-CIRCULAR MILS		
KV	KILO-VOLTS		
KVA	KILO-VOLT-AMPERE		
KW	KILO-WATT		
LED	LIGHT EMITTING DIODE		
LTG	LIGHTING		

ELECTRICAL GENERAL NOTES

- ELECTRICAL INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), NFPA, AND UNIFIED FACILITIES CRITERIA (UFC).
- ELECTRICAL EQUIPMENT AND WIRING SHALL BE NEW AND UL LISTED UNLESS OTHERWISE NOTED.
- VERIFY EXISTING CONDITIONS AND DIMENSIONS AND REPORT DISCREPANCIES TO THE CONTRACTING OFFICER. PROCEED WITH THE WORK ONLY AFTER THE DISCREPANCIES HAVE BEEN RESOLVED BY THE CONTRACTING OFFICER.
- A SEPARATE GREEN GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH INDIVIDUAL RACEWAY. METAL CONDUIT SHALL BE GROUNDED BUT SHALL NOT BE USED AS THE EQUIPMENT GROUNDING CONDUCTOR.
- CONDUCTORS SHALL BE MINIMUM #12 AWG COPPER UNLESS OTHERWISE NOTED.
- WHERE CONDUCTOR SIZE IS LARGER THAN TERMINALS WILL ACCEPT, PROVIDE ILSCO OR EQUAL PIGTAIL ADAPTERS OR POWER DISTRIBUTION BLOCKS IN A JUNCTION BOX WITHIN 5'-0" OF THE LOCATION OF THE TERMINATION, TO TERMINATE CONDUCTORS. THE SMALLER CONDUCTORS SHALL BE THE LARGEST SIZE THAT CAN BE TERMINATED.
- CONDUIT SHALL BE MINIMUM 3/4" UNLESS OTHERWISE NOTED.
- MINIMUM WIRE AND CONDUIT SIZE FOR CIRCUITS OVER 100 FEET IN LENGTH SHALL BE 2-1/C#10, 1/C#10G, 3/4"C UNLESS OTHERWISE NOTED.
- FOR FUSED DISCONNECT SWITCHES, COORDINATE FUSE SIZE WITH EQUIPMENT FURNISHED.

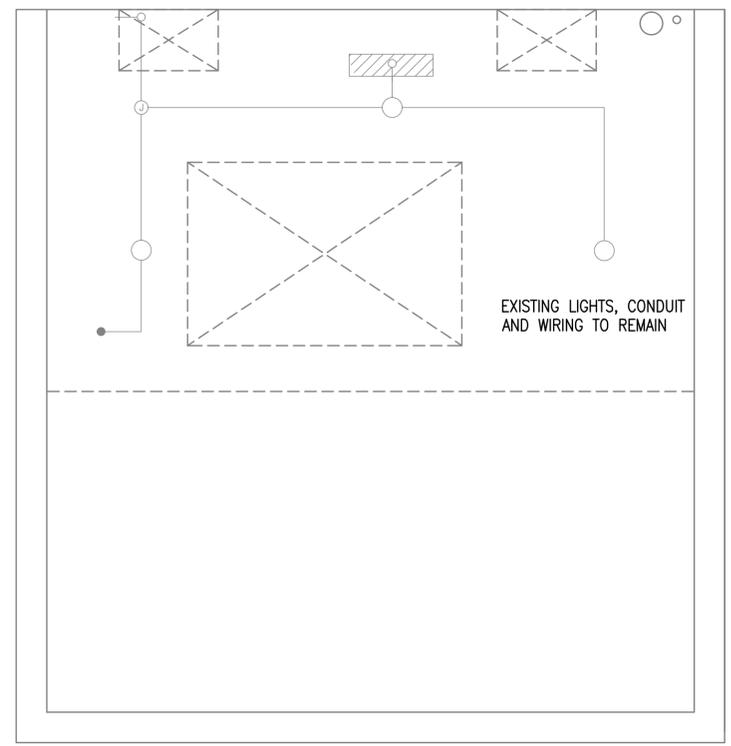
DATE	APPR
DESCRIPTION	SYN
ENGINEERS FST Since 1914 FAY, SPOFFORD & THORNDIKE 5 BURLINGTON WOODS BURLINGTON, MA 01803 <small>A/E INF2</small>	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES: DJS	DRW: DJS
CHK: DMG	
PMO-NE DM/POC: P. STOCKLESS	
BRANCH MANAGER	
CHIEF ENG/ARCH	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC PUBLIC WORKS DEPARTMENT - MAINE PORTSMOUTH NAVAL SHIPYARD - PORTSMOUTH, NH REPLACE CONDENSATE PUMP STATIONS BUILDINGS 22 & 347 LEGEND, ABBREVIATIONS, AND GENERAL NOTES	
MAXIMO No.: 7725935	
EPROJCT NO.: 1331739	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO. 12680407	
SHEET 20 OF 26	
E-001	MS-14-1261
<small>DRAWFORM REVISION: 10 MARCH 2009</small>	

FILE NAME: U:\proj-2070a - stem\CADD\Buildings\05_Electrical\60-2070A-ED101.dwg LAYOUT NAME: DEMOLITION FLOOR PLANS BUILDING 22 PLOTTED: Wednesday, August 06, 2014 - 11:24am USER: Wronsk_V



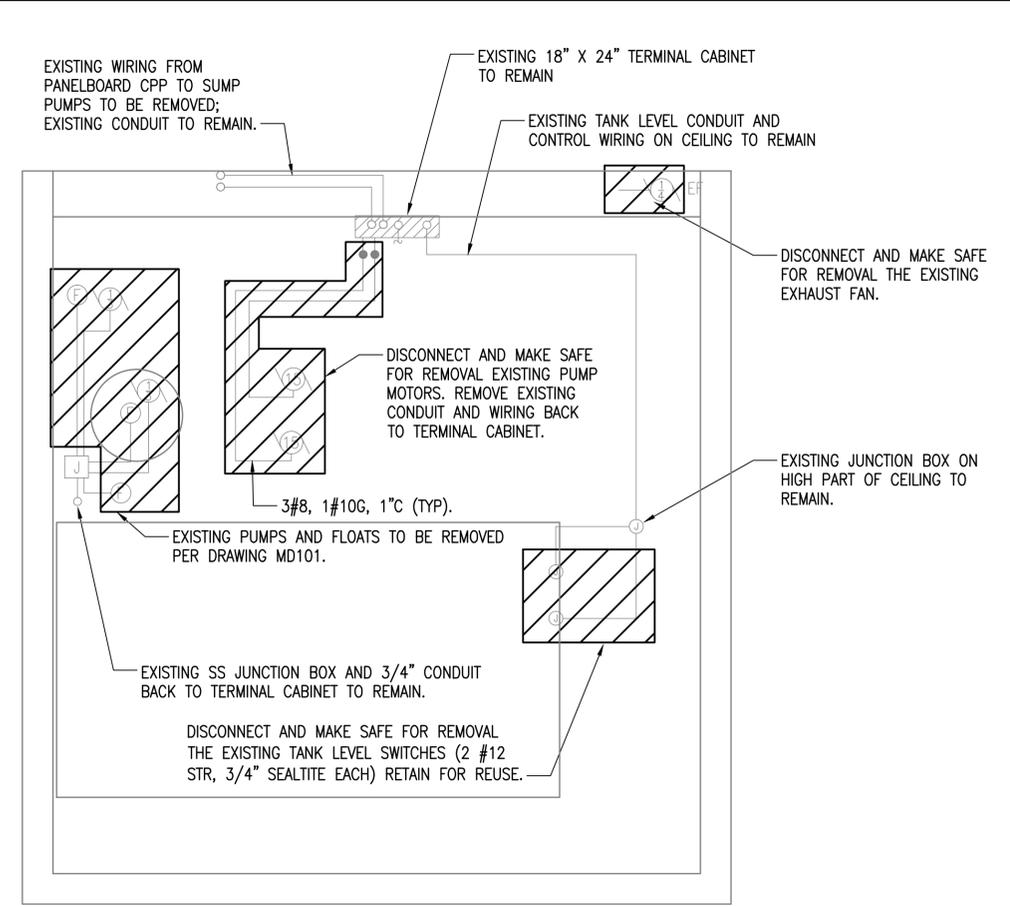
ROOF PLAN

SCALE: 1/2" = 1'-0"



CEILING PLAN

SCALE: 1/2" = 1'-0"



FLOOR PLAN

SCALE: 1/2" = 1'-0"



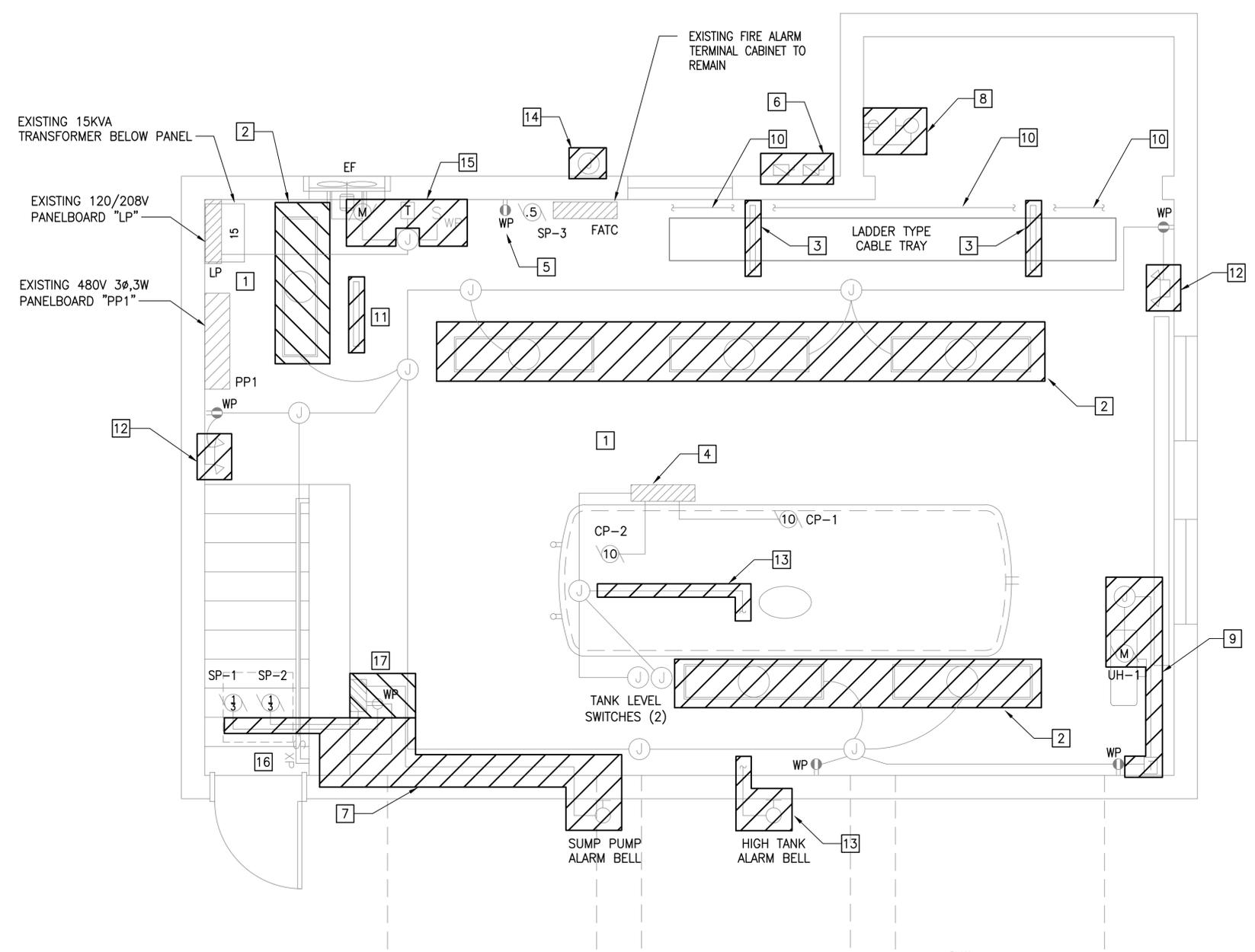
GRAPHIC SCALE



SCALE: 1/2" = 1'-0"

DATE	APPR
DESCRIPTION	SYN
ENGINEERS FST Since 1914 FAY, SPOFFORD & THORNDIKE 5 BURLINGTON WOODS BURLINGTON, MA 01803	
APPROVED	A/E INFO
PER: COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES: DJS DRW: DJS CHK: DMG	
PWD-ME: DM/POC: P. STOCKLESS	
BRANCH MANAGER	
CHIEF ENG/ARCH	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC PUBLIC WORKS DEPARTMENT - MAINE PORTSMOUTH NAVAL SHIPYARD KITTERY, MAINE REPLACE CONDENSATE PUMP STATIONS BUILDINGS 22 & 347 DEMOLITION FLOOR PLANS - BUILDING 22	
MAXIMO No.: 7725935	
EPROJCT NO.: 1331739	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO. 12680408	
SHEET 21 OF 26	
ED101	MS-14-1262
DRAWFORM REVISION: 10 MARCH 2009	

FILE NAME: U:\proj-207\proj - stem\CADD\Buildings\05_Electrical\602-207A-E-102.dwg LAYOUT NAME: ED102 PLOTTED: Wednesday, August 06, 2014 - 11:23am USER: Wronsk_V



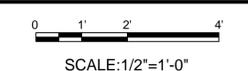
DEMOLITION FLOOR PLAN
SCALE: 1/2" = 1'-0"

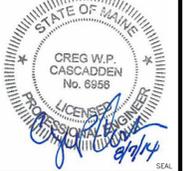


KEY NOTES:

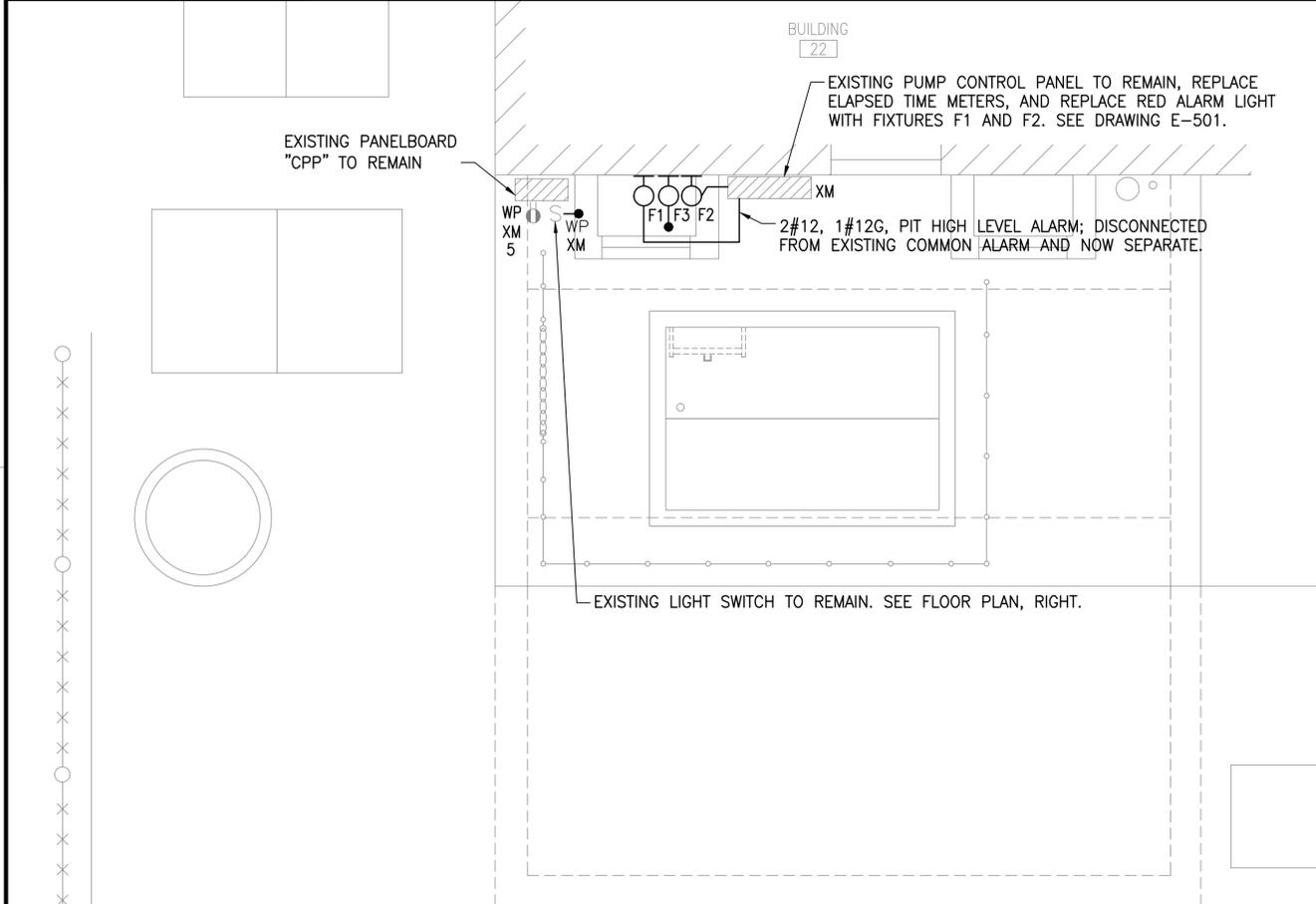
- 1 ALL EQUIPMENT SHOWN IS "EXISTING TO REMAIN" UNLESS NOTED OTHERWISE (TYP).
- 2 DISCONNECT AND MAKE SAFE FOR REMOVAL EXISTING LIGHTING FIXTURES AND TYPE SO CORD BACK TO JUNCTION BOX (TYP-6)
- 3 EXISTING CABLE TRAY TO REMAIN. REPLACE EXISTING GALVANIZED 3/8" THREADED ROD, 2" CHANNEL SUPPORTS, BEAM CLAMPS, AND HARDWARE WITH NEW STAINLESS STEEL THREADED ROD, CHANNEL, BEAM CLAMPS, AND HARDWARE
- 4 CONDENSATE PUMPS AND CONTROL PANEL TO REMAIN. TEMPORARILY SUPPORT CONTROL PANEL TO ALLOW CLEANING AND PAINTING OF STRUCTURAL STEEL ABOVE.
- 5 EXISTING CORD-AND-PLUG CONNECTED HEAT TRACING ON SUMP PUMP DISCHARGE PIPING TO REMAIN (TYP).
- 6 REMOVE EXISTING ABANDONED 60A AND 100A DISCONNECTS
- 7 DISCONNECT AND MAKE SAFE FOR REMOVAL EXISTING SUMP PUMPS UNDER STAIRS. REMOVE ALARM AND WIRING.
- 8 REMOVE DEVICES. WIRE NUT CONDUCTORS. PROVIDE BLANK FACEPLATES.
- 9 REMOVE EXISTING CONDUIT AND WIRING FROM RECEPTACLE TO THERMOSTAT AND UNIT HEATER.
- 10 REPLACE EXISTING GALVANIZED CONDUIT STRAP SUPPORTS FOR FIRE ALARM CABLE STRAPPED TO WALL WITH TYPE 316 STAINLESS STEEL SUPPORTS (9 LOCATIONS - SIZES VARY).
- 11 REPLACE EXISTING GALVANIZED STEEL THREADED RODS, CONDUIT CLAMPS, CONDUIT SUPPORTS, AND HARDWARE (NOT SHOWN) WITH STAINLESS STEEL SUPPORTS (APPROXIMATELY 50 LOCATIONS).
- 12 REMOVE EXISTING EMERGENCY LIGHTS. RETAIN CIRCUITRY FOR REUSE. VERIFY THAT THE EXISTING CIRCUIT IS THE NORMAL LIGHTING CIRCUIT, UNSWITCHED.
- 13 REMOVE EXISTING HIGH TANK BELL ALARM, CONDUIT, AND WIRING BACK TO JUNCTION BOX AT CEILING LEVEL. KEEP WIRING AT JUNCTION BOX FOR RE-USE.
- 14 REMOVE EXISTING 12" X 12" X 9" JUNCTION BOX. CUT CONDUIT FLUSH WITH GRADE AND FILL WITH CONCRETE.
- 15 DISCONNECT AND MAKE SAFE FOR REMOVAL THE EXISTING EXHAUST FAN, THERMOSTAT, AND SAFETY SWITCH. EXISTING JUNCTION BOX AND HOMERUN TO PANEL TO REMAIN AND BE REUSED. SEE NOTE 6, DRAWING E-102.
- 16 TEMPORARILY SUPPORT LIGHT SWITCH AND ASSOCIATED CONDUIT TO ALLOW FOR WALL SURFACE REPAIRS.
- 17 EXISTING SUMP PUMP CONTROL PANEL TO BE REMOVED PER SHEET MD102. RETAIN CIRCUITS FOR REUSE FOR REPLACEMENT PUMPS. SEE SHEETS M102 AND E-102.

GRAPHIC SCALE



	DATE
	APPR
	DESCRIPTION
	SYN
	
	
ENGINEERS FST Since 1914 FAY, SPOFFORD & THORNDIKE 5 BURLINGTON WOODS BURLINGTON, MA 01803 <small>A/E INF2</small>	
APPROVED	
FIR. COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES: DJS	DRW: DJS
CHK: DMG	
PMD-ME. DM/DOC: P. STOCKLESS	
BRANCH MANAGER	
CHIEF ENG/ARCH	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT - MAINE PORTSMOUTH NAVAL SHIPYARD KITTERY, MAINE REPLACE CONDENSATE PUMP STATIONS BUILDINGS 22 & 347 DEMOLITION FLOOR PLAN - BUILDING 347	
MAXIMO NO.: 7725935	
EPROJCT NO.: 1331739	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO. 12680409	
SHEET 22	OF 26
ED102	MS-14-1263
<small>DRAWFORM REVISION: 10 MARCH 2009</small>	

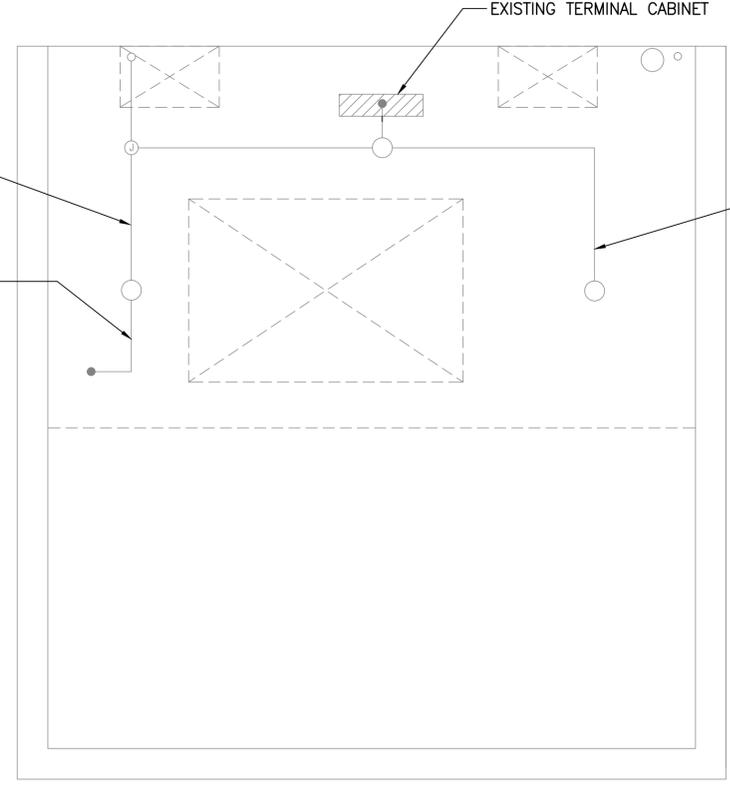
FILE NAME: U:\proj-2070a - stem\CADD\Buildings\05_Electrical\05-2070a-E-101.dwg LAYOUT NAME: E-101 PLOTTED: Wednesday, August 06, 2014 - 11:22am USER: Worock_V



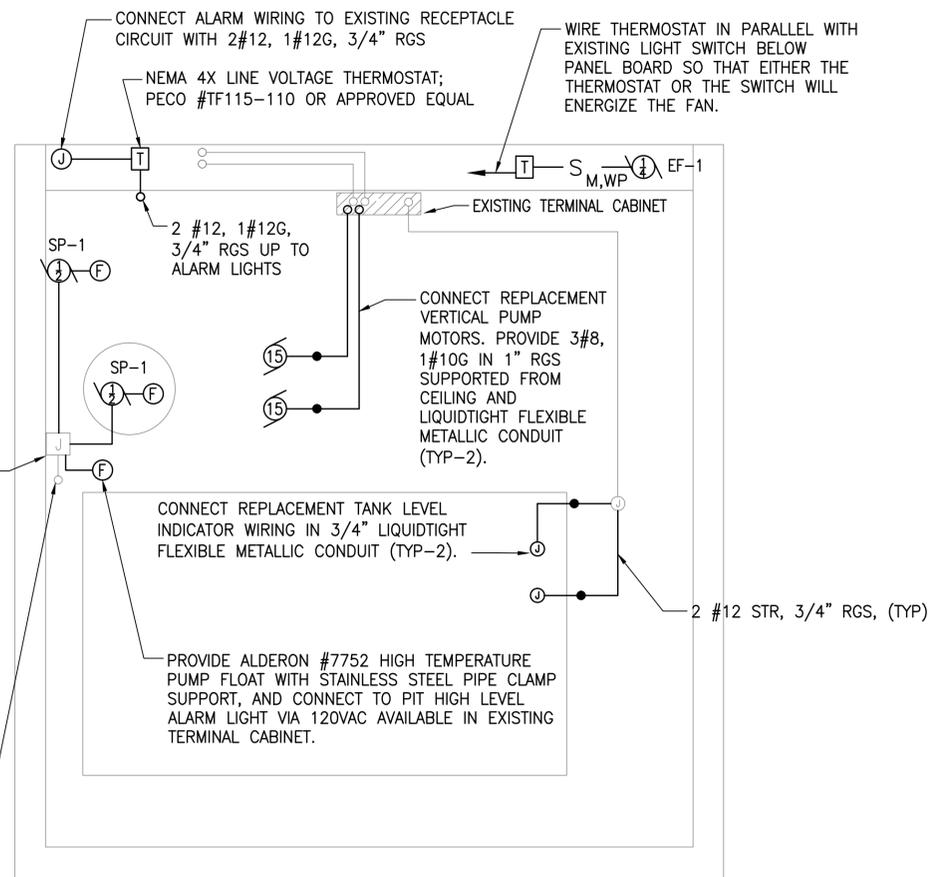
ROOF PLAN
SCALE: 1/2" = 1'-0"



6 #12, 1#12G, 3/4" RGS TO REMAIN
4 #12, 1#12G, 3/4" RGS DOWN TO SUMP PUMP JUNCTION BOX TO REMAIN



CEILING PLAN
SCALE: 1/2" = 1'-0"



FLOOR PLAN
SCALE: 1/2" = 1'-0"



GRAPHIC SCALE

SCALE: 1/2"=1'-0"

APPROVED	DATE	APP'R
FIR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES: DJS	DRW: DJS	CHK: DMG
PMO-NE: DM/POC	P. STOCKLESS	
BRANCH MANAGER		
CHIEF ENG/ARCH		
FIRE PROTECTION		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	
NAVAL FACILITIES ENGINEERING COMMAND	MID-ATLANTIC	
PUBLIC WORKS DEPARTMENT - MAINE	NAVAL SHIPYARD - PORTSMOUTH, NH	
PORTSMOUTH NAVAL SHIPYARD	KITTEERY, MAINE	
REPLACE CONDENSATE PUMP STATIONS		
BUILDINGS 22 & 347		
POWER FLOOR PLANS - BUILDING 22		
MAXIMO No.:	7725935	
EPROJCT NO.:	1331739	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.	12680410	
SHEET	23	OF 26
E-101	MS-14-1264	
DRAWFORM REVISION: 10 MARCH 2009		

D

C

B

A

1

2

3

4

5

PROVIDE ALDERON #7752 HIGH TEMPERATURE PUMP FLOAT WITH STAINLESS STEEL PIPE CLAMP SUPPORT, AND CONNECT TO PIT HIGH LEVEL ALARM LIGHT. OBTAIN 120VAC FROM ONE OF THE PUMP CIRCUITS.

SUMP/WATER LEVEL ALARM SEE DRAWING E-501

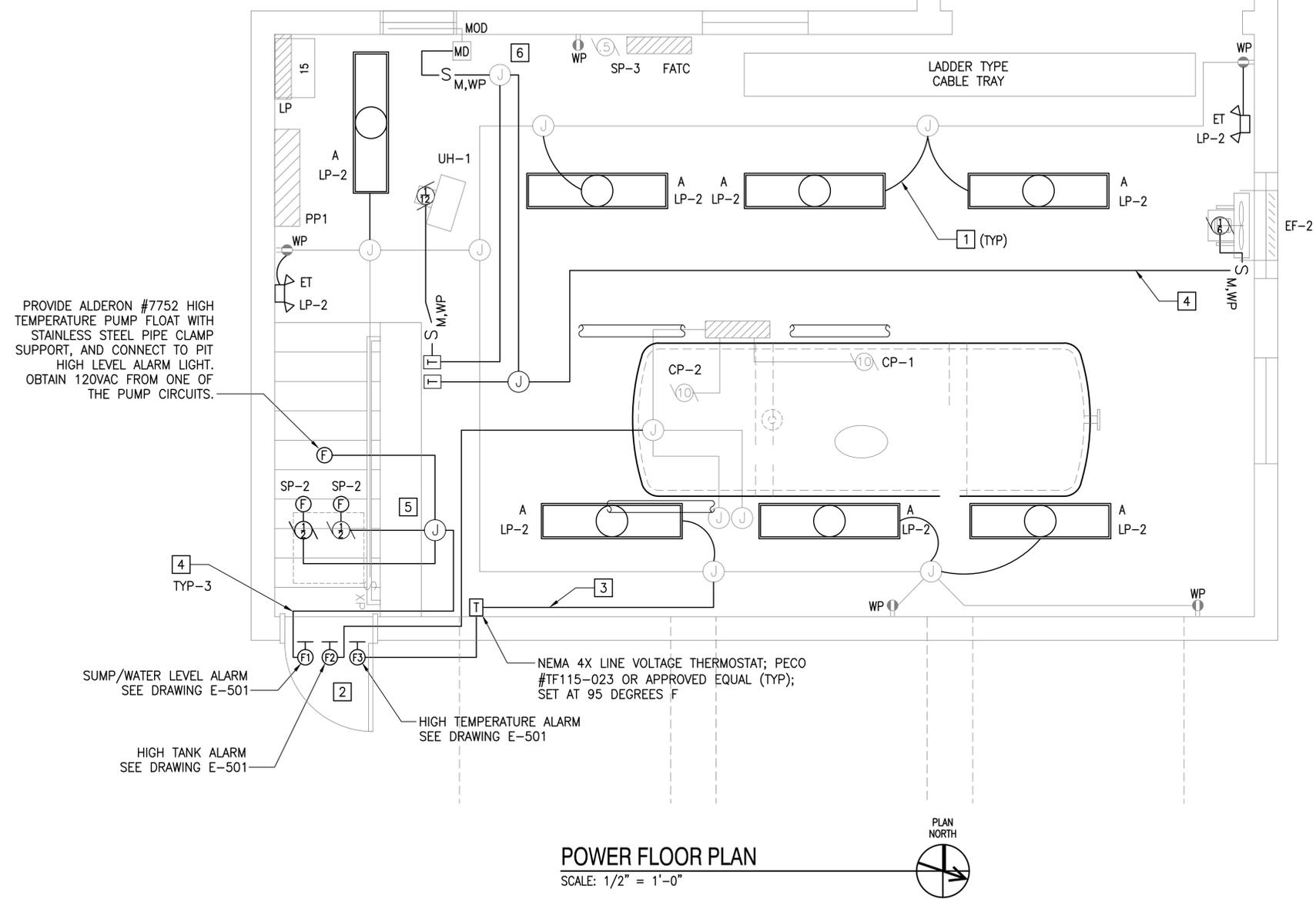
HIGH TANK ALARM SEE DRAWING E-501

NEMA 4X LINE VOLTAGE THERMOSTAT; PECO #TF115-023 OR APPROVED EQUAL (TYP); SET AT 95 DEGREES F

HIGH TEMPERATURE ALARM SEE DRAWING E-501

KEY NOTES:

- 1 CONNECT NEW LIGHTS TO EXISTING JUNCTION/OUTLET BOXES WITH 2#12, 1#12G IN 1/2" LIQUID TIGHT FLEXIBLE METALLIC CONDUIT. (TYP).
- 2 LOCATE ALARM INDICATORS ABOVE DOOR.
- 3 CONNECT HIGH TEMPERATURE ALARM TO EXISTING RECEPTACLE CIRCUIT WITH 2#12, 1#12G, 3/4" RGS. WALL-MOUNT THERMOSTAT AT 48" AFF.
- 4 2#12, 1#12G, 3/4"RGS.
- 5 PROVIDE 6" X 6" X 4"D STAINLESS STEEL NEMA 4X JUNCTION BOX IN PLACE OF EXISTING SUMP PUMP CONTROL PANEL. UTILIZE EXISTING SUMP PUMP CIRCUIT TO FEED ONE NEW PUMP. PROVIDE 1P20A BREAKER IN EXISTING PANEL BOARD AND 2#12 IN EXISTING 3/4"C TO FEED SECOND PUMP AND HIGH LEVEL ALARM FLOAT. CONNECT TWO REPLACEMENT SUMP PUMPS WITH INTEGRAL FLOATS FURNISHED PER DRAWING M102, AND HIGH LEVEL FLOAT PER THIS DRAWING. PROVIDE STRAIN RELIEF CONNECTORS WHERE TYPE SO PUMP AND FLOAT WIRING EXIT JUNCTION BOX.
- 6 DISCONNECT EXISTING EXHAUST FAN CIRCUIT FROM CIRCUIT LP-6 AND RECONNECT TO EXISTING LIGHTING CIRCUIT LP-2. CONTINUE EXISTING EXHAUST FAN CIRCUIT WITH 2#12, 1#12G, 3/4"C AND PROVIDE MANUAL MOTOR STARTER SWITCHES TO FEED MOTOR OPERATED DAMPER, EXHAUST FAN, AND UNIT HEATER. COORDINATE CONTROL WIRING WITH MECHANICAL CONTRACTOR. WIRE EF-2 THERMOSTAT IN PARALLEL WITH EXISTING LIGHT SWITCH SO THAT EITHER THE THERMOSTAT OR THE LIGHT SWITCH WILL ENERGIZE THE EXHAUST FAN AND CAUSE THE MOD TO OPEN. THE UNIT HEATER IS CONTROLLED INDEPENDENTLY BY ITS OWN THERMOSTAT ONLY. SET EF-2 THERMOSTAT TO MAINTAIN A MAXIMUM TEMPERATURE OF 85 DEGREES F; SET UH-1 THERMOSTAT TO MAINTAIN A MINIMUM TEMPERATURE OF 40 DEGREES F.



POWER FLOOR PLAN
SCALE: 1/2" = 1'-0"



GRAPHIC SCALE



SCALE: 1/2"=1'-0"

<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC PUBLIC WORKS DEPARTMENT - MAINE PORTSMOUTH NAVAL SHIPYARD REPLACE CONDENSATE PUMP STATIONS BUILDINGS 22 & 347</p> <p>NAVFAC DRAWING NO. 12680411 SHEET 24 OF 26 E-102 MS-14-1265</p>	<p>MAXIMO No.: 7725935 EPROJCT NO.: 1331739 CONSTR. CONTR. NO.</p> <p>NAVFAC DRAWING NO. 12680411 SHEET 24 OF 26 E-102 MS-14-1265</p> <p>DRAWFORM REVISION: 10 MARCH 2009</p>
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NAVFAC

STATE OF MAINE
CREG W.P. CASCADEN
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LICENSED PROFESSIONAL ENGINEER
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ENGINEERS FST
Since 1914
FAY, SPOFFORD & THORNDIKE
5 BURLINGTON WOODS
BURLINGTON, MA 01803
A/E INF2

APPROVED: _____
PER COMMANDER NAVFAC

SATISFACTORY TO: _____
DATE: _____

DES: DJS | DRAW: DJS | CHK: DMG
PMD-ME: DM/POC: P. STOCKLESS
BRANCH MANAGER
CHIEF ENG/ARCH
FIRE PROTECTION

POWER FLOOR PLAN - BUILDING 347

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER/MODEL #	DESCRIPTION	VOLTAGE	LAMP		MOUNTING	NOTES	LOCATION(S)
				No.	TYPE			
A	COOPER METALUX VT3-254T5-DR100-UNV-GM-EHT-1-WL-SSL WITH STAINLESS STEEL ACCESSORY MOUNTING BRACKETS	4' VAPOR TIGHT 2-LAMP T5HO FIXTURE, FIBERGLASS, WET LOCATION, STAINLESS STEEL LATCHES, 100% HIGH-IMPACT ACRYLIC LENS, 40 DEGREES C AMBIENT TEMPERATURE RATED, WITH STAINLESS STEEL TOP-MOUNT BRACKETS. WET LOCATION LABEL.	120/277	2	F54 T5HO	SURFACE	1,2	VAULT CEILING
F1	EDWARDS SIGNALING STACKLIGHT 102 SERIES: BASE UNIT 102TBS-N5, MULTI-TONE MODULE 102SIGMT-N5, STROBE 102LS-ST-N5, AND RED LENS MODULES 102LM-R. PROVIDE WALL MOUNT BRACKET WBR.	FLASHING XENON, 2.3M PEAK CANDELA, SHATTER RESISTANT POLYCARBONATE LENSES, NEMA 4X, -31°F TO 150°F OPERATING TEMPERATURE RANGE, MOUNTED ON 3/4" CONDUIT WITH LENS FACING UP. SET TONE DIFFERENT FROM F2 AND F3. WET LOCATION LABEL.	120	1	XENON 92-ST, INCLUDED	SURFACE	1	OUTSIDE OF VAULT
F2	SAME AS F1 EXCEPT WITH CLEAR LENS MODULE 102LM-C	SET TONE DIFFERENT FROM F1 AND F3.	120	1	XENON 92-ST, INCLUDED	SURFACE	1	OUTSIDE OF VAULT
F3	SAME AS F1 EXCEPT WITH AMBER LENS MODULE 102LM-A	SET TONE DIFFERENT FROM F1 AND F2.	120	1	XENON 92-ST, INCLUDED	SURFACE	1	OUTSIDE OF VAULT
ET	LITHONIA IND12100-H5012S-ULT	EMERGENCY LIGHT, 12V, 100W, WITH 2-50W HALOGEN HEADS, HEATER, THERMOSTAT, AND BATTERY BLANKET, HIGH-TEMPERATURE LEAD-CALCIUM BATTERY, SELF-DIAGNOSTICS, TIME DELAY, AUDIBLE FAILURE INDICATION AND DAMP LOCATION LABEL. UL LISTED FOR -40°F TO 131°F. THERMALLY PROTECTED WITH THERMAL BATTERY CHARGING COMPENSATION.	120	2	50W 12V HALOGEN INCLUDED	SURFACE	1	VAULT WALL

LIGHTING FIXTURE SCHEDULE NOTES:

- LIGHTING FIXTURE INSTALLATION SHALL INCLUDE ALL NECESSARY HANGERS, CHANNELS, SUPPORTS AND SUCH EQUIPMENT AS MAY BE REQUIRED TO ALIGN AND PROVIDE INDEPENDENT SUPPORT OF FIXTURES. PROVIDE APPROVED CHAIN OR WIRE HAVING ADEQUATE TENSILE STRENGTH TO SUPPORT THE FIXTURES, SUPPORT FIXTURES DIRECTLY FROM THE BUILDING STRUCTURE SYSTEM IN AREAS WITH OPEN CEILINGS.
- ALL LAMPS SHALL BE 3500°K.

VOLTAGE: 120/208V, 3PH, 4W
MAIN CIRCUIT BREAKER: 50A
FED FROM: PP1 VIA 15KVA XFMR

SHORT CIRCUIT BRACING: 10,000 AMPS
CABINET: SURFACE, NEMA 4X
PANEL LOCATION: UNDERGROUND VAULT 347

EXISTING PANELBOARD LP

CKT. NO.	LOAD SERVED	LOAD (VA)			TRIP	POLE	ABC	POLE	TRIP	LOAD (VA)			LOAD SERVED	CKT. NO.
		ØA	ØB	ØC						ØA	ØB	ØC		
1		0					1	15	0			LIGHTS	2	
3	MAIN		0		50	3	1	20		0		RECEPTACLES	4	
5				0			1	15			0	SPARE	6	
7	UNKNOWN	0			15	1	1	15	0			SUMP PUMP	8	
9			0				1	15		0		MANHOLE 62	10	
11	SPARE			0	15	3	1	20			0	MANHOLE 385	12	
13		0					1	15	0			MANHOLE 388	14	
15	SUMP PUMP*		0		20	1				0		SPACE	16	
17	SPACE			0						0		SPACE	18	
SUB-TOTAL		0	0	0					0	0	0		SUB-TOTAL	

*: PROVIDE 1P20A BREAKER IN EXISTING SPACE TO FEED SUMP PUMP.

TOTAL CONNECTED LOAD: 0 V.A.
AMPERES: 0 AMPERES

VOLTAGE: 120/240V, 1Ø, 3W
250A MAIN LUGS ONLY
FED FROM: BUILDING 22

SHORT CIRCUIT BRACING: 10KA
CABINET: SURFACE, NEMA 4
PANEL LOCATION: ABOVE MANHOLE 22

EXISTING PANELBOARD CPP

CKT. NO.	LOAD SERVED	LOAD (VA)		TRIP	POLE	AB	POLE	TRIP	LOAD (VA)		LOAD SERVED	CKT. NO.
		ØA	ØB						ØA	ØB		
1	TANK LEVEL CONTROL CIRCUIT	0		15	1		1	15	0		PIT LIGHTS	2
3	SUMP PUMP #1		0	15	1		1	15	0		SUMP PUMP #2	4
5	RECEPTACLE	0		15	1		1	15	0		ALARM LIGHT CIRCUIT	6
7	RECEPTACLE		0	15*	1		1	15		0	SPARE	8
9	SPACE				1		1				SPACE	10
11	SPACE				1		1				SPACE	12
13	SPACE						1				SPACE	14
15	SPACE	0									SPACE	16
17	SPACE		0								SPACE	18
SUB-TOTAL		0	0						0	0		SUB-TOTAL

* GFCI CIRCUIT BREAKER
CONTRACTOR SHALL VERIFY ALL CIRCUIT NUMBERS.

TOTAL CONNECTED LOAD: 0 V.A.
AMPERES: 0 AMPERES

VOLTAGE: 480V, 3PH, 3W
400A
FED FROM: UNKNOWN

SHORT CIRCUIT BRACING: UNKNOWN
CABINET: SURFACE, NEMA 4X
PANEL LOCATION: UNDERGROUND VAULT 347

EXISTING PANELBOARD PP1

WESTINGHOUSE POWERLINE C, TYPE PRL4B, 06/1991

#1 3P50A

#2 3P30A

#3 SPACE

#4 3P50A

#5 3-POLE
DURALINES

#6 3-POLE
DURALINES

3-POLE
MAIN

CONDENSATE PUMPS 1 & 2
VIA CONTROL PANEL

DATE

DESCRIPTION

DATE

DESCRIPTION





ENGINEERS

FST

Since 1914

FAY, SPOFFORD & THORNDIKE
5 BURLINGTON WOODS
BURLINGTON, MA 01803

APPROVED

FOR COMMANDER NAFAC

ACTIVITY

SATISFACTORY TO DATE

DES: DJS | DRAW: DJS | CHK: DMG

PROJ-NO: DM/DOC: P. STOCKLESS

BRANCH MANAGER

CHIEF ENG/ARCH

FIRE PROTECTION

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC

PUBLIC WORKS DEPARTMENT - MAINE

PORTSMOUTH NAVAL SHIPYARD

KITTERY, MAINE

REPLACE CONDENSATE PUMP STATIONS

BUILDINGS 22 & 347

SCHEDULES

MAXIMO No.: 7725935

PROJECT NO.: 1331739

CONSTR. CONTR. NO.

NAFAC DRAWING NO.: 12680413

SHEET 26 OF 26

E-601 MS-14-1267

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: U:\proj-207\proj-stem\CADD\Buildings\OS_Electrical\B0-207A-E-601.dwg LAYOUT NAME: E-601 PLOTTED: Wednesday, August 06, 2014 - 11:20am USER: Worock_V