PHASING LINE TYPES AND WEIGHTS

- DEMOLITION
- EXISTING TO REMAIN (ETR)
- NEW CONSTRUCTION

SYMBOLS - POWER PLAN

- START/STOP, MOMENTARY CONTACT PUSHBUTTON SWITCH
- PAD MOUNTED TRANSFORMER
- PANELBOARD

RECEPTACLES (NEMA 5-20R UON)

- RECESSED SIMPLEX
- SURFACE SIMPLEX
- RECESSED DUPLEX
- SURFACE DUPLEX
- RECESSED QUAD
- SURFACE QUAD
- DUPLEX, CEILING MTD
- SPLIT WIRED SWITCHED DUPLEX RECEPACLE
- SPECIAL RECEPTACLE 1: NEMA 14-30, UON 2: NEMA 6-15, UON
- FLOORBOX: QUAD RECEPT. / COMM (REFER TO COMM DETAILS FOR FACEPLATE TYPE)

JUNCTION BOXES

- RECESSED JBOX, WALL MOUNTED
- SURFACE JBOX, WALL MOUNTED
- JBOX RECESSED IN FLOOR
- JBOX MOUNTED ABOVE CEILING (UNLESS OTHERWISE INDICATED)
- MECHANICAL EQUIPMENT CONNECTION

DISCONNECT SWITCHES (NEMA 1, 30A/3P, 480V UON)

- FUSED DISCONNECT SWITCH
- COMBO MOTOR STARTER/DISCONNECT

DS100/DF60
SWITCH RATING
FUSE RATING

SM MOTOR RATED SWITCH (120V ONLY)

POWER DEVICES GENERAL INFORMATION

PANELBOARD - CIRCUIT
CKT: LP-x
(OR) J — ANY RECEPTACLE OR JBOX LISTED ABOVE
EF-x
EQUIPMENT IDENTIFICATION (JBOXES ONLY)

CASEWORK OR EQIUPMENT
CKT: LP1-1
PANELBOARD - CIRCUIT
"EXIST" INDICATES CONNECTION TO EXISTING CIRCUIT

LIGHTNING PROTECTION SYSTEM (BID OPTION)

- GROUND ROD
- AIR TERMINAL
- GROUND TEST WELL
- DOWN CONDUCTOR

CONDUIT

- WIRE IN CONDUIT, RUN CONCEALED ABOVE CEILING OR IN WALL (WHEN INDICATED)
- WIRE IN CONDUIT, ROUTE EXPOSED WHEN INDICATED. TICK MARKS INDICATE NUMBER OF HOT AND NEUTRAL CONDUCTORS. LONG TICK = HOT SHORT TICK = NEUTRAL NO TICK MARKS INDICATED REPRESENT (1) HOT AND (1) NEUTRAL CONDUCTOR
- WIRE IN CONDUIT ROUTE BELOW GRADE OR FLOOR SLAB
- EXISTING WIRE IN CONDUIT TO BE DEMOLISHED AND REPLACED WITH NEW

SYMBOL MODIFIERS

C	RECESSED IN CEILING
EP OR EXP	EXPLOSION PROOF
F	RECESSED IN FLOOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
IG	ISOLATED GROUND
P	PILOT LIGHT (INDICATING SWITCH IS ON)
W	WALL MOUNTED, 48" AFF
WP	WEATHERPROOF IN USE

SPECIAL CALLOUT

- # — CAMERA LOCATOR

LIGHTING FIXTURES

- REFER TO FIXTURE SCHEDULE SHEET E-603 FOR FIXTURE TYPE INFORMATION
- 2'X4' FIXTURE, UON
- 2'X2' FIXTURE, UON
- 1'X4' FIXTURE, UON
- RECESSED DOWNLIGHT OR CEILING MOUNTED FIXTURE, UON
- EXIT SIGNS, CEILING: ARROW INDICATES EGRESS
- EXIT SIGNS, WALL: ARROW INDICATES EGRESS
- OS U/I — OCCUPANCY SENSOR, CEILING MOUNTED: SUBSCRIPT INDICATES TYPE
  - U - ULTRASONIC SENSING
  - U/I - DUAL UNTRASONIC AND INFRARED
  - NONE - INFRARED SENSING
- WALL SCONCE
- EMERGENCY LIGHTING BATTERY PACK (DUAL)
- EMERGENCY BUG EYE
- $ — SWITCH, SUBSCRIPT INDICATES TYPE.
  - MS MASTER SWITCH
  - 3 3-WAY

ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
ATS	ACCEPTANCE TESTING STANDARDS
AV	AUDIO/VIDEO
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
C	CONDUIT
CAT	CATEGORY
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CL	CENTERLINE
COMM	COMMUNICATIONS
CO	COPIER
DC	DIRECT CURRENT
EGC	EQUIPMENT GROUNDING CONDUCTOR
EIA	ELECTRONICS INDUSTRIES ASSOCIATIONS
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
FBO	FURNISHED BY OTHERS
FID	FLIGHT INFORMATION DISPLAY
FO	FIBER OPTIC
FPD	FLAT PANEL DISPLAY
FT	FEET OR FOOT
GFI	GROUND FAULT INTERRUPTER
G OR GND	GROUND
GFR	GROUND FAULT RELAY
GFP	GROUND FAULT PROTECTION
GID	GATE INFORMATION DISPLAY
GRS	GALVANIZED RIGID STEEL CONDUIT
HID	HIGH INTENSITY DISCHARGE
HZ	HERTZ
IDS	INTRUSION DETECTION SYSTEM
IG	ISOLATED GROUND
ITM	INSTANT TICKET MACHINE
K	KILO
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT AMPERES
KWH	KILOWATT HOURS
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MH	MANHOLE
MLO	MAIN LUGS ONLY
MM	MULTIMODE
MN/PA	MASS NOTIFICATION/PUBLIC ADDRESS
N	NEUTRAL CONDUCTOR
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NETA	NATIONAL ELECTRICAL TESTING ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
NUC	NEXT UNIT OF COMPUTING
OC	ON CENTER
P	POLE
PR	PAIR
PTAC	PACKAGED TERMINAL AIR CONDITIONING
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
RMC	RIGID METAL CONDUIT
SCCR	SHORT CIRCUIT CURRENT RATING
SM	SINGLE-MODE
SPD	SURGE PROTECTION DEVICE
SPECS	CONTRACT SPECIFICATIONS
SPST	SINGLE POLE SINGLE THROW
STR	STRAND
TB	TELEPHONE BACKBOARD
TR	TELECOMMUNICATIONS ROOM
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORIES
UON	UNLESS OTHERWISE NOTED
UTP	UNSHIELDED TWISTED PAIR
V	VOLTS
VA	VOLT AMPERES
W	WIRE OR WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER
Z	IMPEDANCE

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

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BRANCH MANAGER		
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FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL SYMBOLS, ABBREVIATIONS AND LEGEND

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722109
SHEET 123 OF 177

E-001

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:00 AM

GENERAL NOTES

1. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
2. UNLESS INDICATED AS EXISTING, ALL MATERIALS AND LABOR SHALL BE CONSIDERED NEW.
3. ALL CONDUCTORS SHALL BE RUN IN CONDUIT, AND ALL CONDUIT SHALL BE CONCEALED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
4. CONTRACTOR SHALL NOTIFY NAVFAC IF EXISTING OR NEW SWITCHBOARDS AND PANELBOARDS AFFECTED BY THIS PROJECT ARE NOT FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARD IN ACCORDANCE WITH NFPA 70 AND 70E.
5. ALL SYSTEMS THAT REQUIRE COORDINATION BETWEEN TRADES SHALL BE TO THE SATISFACTION OF THE NAVFAC. ANY DEFICIENCIES, INCONSISTENCIES, OR POORLY COORDINATED INSTALLATIONS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXTRA COST TO NAVFAC.
6. ALL ELECTRICAL WORK SHALL COMPLY WITH NEC (NFPA 70), NFPA 72, NFPA 101, LOCAL CODES AND ORDINANCES. ALL GROUNDING SHALL COMPLY WITH NFPA 70, ART. 250.
7. PROVIDE A GREEN CONTINUOUS INSULATED EQUIPMENT GROUNDING CONDUCTOR TO ALL ELECTRICAL, TELECOMMUNICATIONS AND SECURITY EQUIPMENT SIZED PER NEC.
8. ARC FAULT PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH NEC (NFPA 70) ARTICLE 210.12.
9. MOUNTING HEIGHT OF FIXTURES SHALL BE TO BOTTOM OF FIXTURE UNLESS OTHERWISE NOTED.
10. FOR SWITCHED DUPLEX RECEPTACLES THE TOP RECEPTACLE SHALL BE THE SWITCHED.

EXISTING CONDITIONS

1. ALL EXISTING EQUIPMENT AND DEVICES TO REMAIN SHALL STAY INTACT AND OPERATIONAL DURING THE CONSTRUCTION PROCESS. IF A DEVICE REQUIRING POWER IS DISTURBED OR INTERRUPTED, RESTORE THE DEVICE TO ITS ORIGINAL OPERATIONAL STATE. ANY DEMOLITION WORK REQUIRING MODIFICATION OF EXISTING ELECTRICAL SYSTEMS SHALL NOT COMPROMISE THE SYSTEMS TO REMAIN. INSTALL NEW CONDUIT AND WIRING WHERE NECESSARY TO RESTORE POWER PER NEC REQUIREMENTS.
2. ALL ELECTRICAL EQUIPMENT AND DEVICES TO BE REMOVED SHALL HAVE CONDUCTORS AND CONDUIT TO THE DEVICE COMPLETELY REMOVED, EXCEPT AS NOTED. ALL COMMUNICATION DEVICES TO BE REMOVED SHALL HAVE CABLES AND CONDUIT TO THE DEVICE COMPLETELY REMOVED. WHERE CONDUIT REMOVAL IS NOT POSSIBLE, CAP CONDUIT AND MAKE SAFE. POWER AND COMMUNICATIONS CONDUITS MAY BE RE-USED WHERE POSSIBLE. WHERE BACKBOXES CAN NOT BE REMOVED, PROVIDE A BLANK COVERPLATE. ALL REMOVED CONDUIT, OLD BOXES, WIRING AND MISCELLANEOUS ELECTRICAL SCRAP SHALL BE REMOVED FROM THE JOB SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ALL INTERIOR/EXTERIOR WALLS, CEILINGS, FLOORS, AND CONCRETE WORK REQUIRING PATCHING, PLASTERING, PAINTING AND ANY OTHER REPAIRS DUE TO ELECTRICAL WORK TO RESTORE THE ORIGINAL FINISH AND APPEARANCE.
4. ALL VOICE AND DATA COMMUNICATION CABLES SHALL BE INSTALLED IN CONDUIT, CABLE TRAY OR OTHER ACCEPTABLE MEANS APPROVED BY NAVFAC.
5. ALL NEW AND EXISTING PANEL DIRECTORIES AFFECTED BY THIS PROJECT SHALL BE REPLACED WITH NEW TYPED CARD STOCK DIRECTORY THAT INCLUDES THE DATE OF MODIFICATION.
6. ALL EXISTING CABLES NOT TO BE REUSED SHALL BE REMOVED FROM CONDUIT AND CABLE TRAY.
7. ALL EXISTING JUNCTION BOXES THAT ARE ACCESSIBLE SHALL REMAIN ACCESSIBLE.

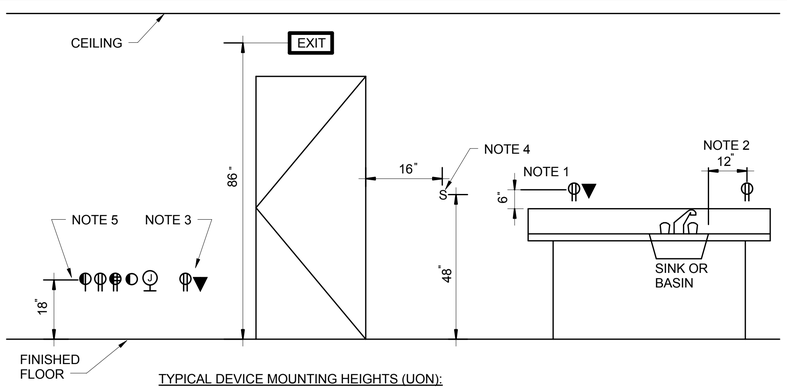
DEMOLITION NOTES

1. ALL ELECTRICAL EQUIPMENT AND DEVICES TO BE REMOVED: COMPLETELY REMOVE ALL CONDUCTORS AND CONDUIT TO THE DEVICE. WHERE CONDUIT REMOVAL IS NOT POSSIBLE, CAP CONDUIT AND MAKE SAFE. WHERE BACKBOXES CAN NOT BE REMOVED PROVIDE A BLANK COVERPLATE. ALL REMOVED CONDUIT, OLD BOXES, WIRING AND MISCELLANEOUS ELECTRICAL SCRAP SHALL BE REMOVED FROM THE PROJECT SITE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ALL INTERIOR/EXTERIOR WALLS, CEILINGS, FLOORS, AND CONCRETE WORK REQUIRING PATCHING, PLASTERING, PAINTING AND ANY OTHER REPAIRS DUE TO ELECTRICAL WORK TO RESTORE THE ORIGINAL FINISHES AND APPEARANCE.

LIGHTING SEQUENCE OF OPERATIONS

1. TYPICAL OCCUPANCY ONLY CONTROL (PUBLIC RESTROOMS AND STORAGE): OCCUPANCY SENSORS SHALL ILLUMINATE ALL LIGHTING IN THE SPACE UPON DETECTION OF A PERSON ENTERING THE SPACE. IF OCCUPANCY SENSORS DETECT NO MOTION, THE LIGHTING SHALL BE TURNED OFF AFTER A SET TIME DELAY. TIME DELAY SHALL BE ADJUSTABLE FROM 3 TO 20 MINTUES, INITIAL SETTING = 5 MINUTES. UTILIZE ULTRASONIC SENSORS IN RESTROOMS AND OTHER SPACES WHERE THE OCCUPANT MAY BE BLOCKED FROM DIRECT LINE OF SIGHT TO THE SENSOR.
2. EMERGENCY FIXTURES: SHALL OPERATE IN CONJUNCTION WITH THE SURROUNDING FIXTURES UNDER NORMAL CONDITIONS. UPON LOSS OF POWER THE EMERGENCY BATTERY PACKS SHALL SWITCH THE FIXTURE ON FOR ATLEAST 90 MINUTES.
3. MANUAL MASTER OVERRIDE SWITCH (GUEST ROOMS AND SUITES): IN GUEST SUITES, A MASTER CONTROL DEVICE SHALL BE WIRED AHEAD OF ALL LOCAL LIGHTING CONTROLS, MANUALLY SHUTTING OFF ALL LIGHTING UPON OCCUPANT EXITING THE ROOM. THIS SHALL INCLUDE THE OVERRIDE OF ALL LIGHTING CIRCUITS AND SPLIT WIRED SWITCHED RECEPTACLES, AS INDICATED. SEE DETAIL D1 "TYPICAL SUITE MASTER CONTROL DIAGRAM" ON SHEET E-701.
4. STAIRWELL LIGHT FIXTURES SHALL ILLUMINATE TO 100% WHEN OCCUPANCY IS DETECTED. IF OCCUPANCY SENSORS DETECT NO MOTION, THE LIGHTING SHALL BE DIMMED TO 50% AFTER A SET TIME DELAY. TIME DELAY SHALL BE ADJUSTABLE FROM 3 TO 20 MINTUES, INITIAL SETTING = 15 MINUTES.

TYPICAL DEVICE MOUNTING DETAIL AND NOTES



TYPICAL DEVICE MOUNTING HEIGHTS (UON):

REF	REFRIGERATOR, 18" AFF
VM	VENDING MACHINE, 24" AFF
CZ	COMM ZONE CABINET, MOUNT WITHIN CABINET
FPD	FLAT PANEL DISPLAY, 72" AFF (NOTE 6)
TV	TELEVISION, 72" AFF (NOTE 6)
WF	WATER COOLER (NOTE 7)
AC	ABOVE COUNTER, SEE "DEVICE MOUNTING NOTES", (NOTE 1)

1. COORDINATE ABOVE COUNTER DEVICES AND RECEPTACLES WITH CASEWORK OR COUNTERS SUCH THAT THE DEVICES AND RECEPTACLES ARE LOCATED AT +42" AFF OR 6" ABOVE THE COUNTERTOP OR BACKSPLASH, WHICHEVER IS HIGHER.
2. ALL RECEPTACLES INSTALLED WITHIN 6'-0" OF ANY SINK OF BASIN SHALL HAVE GFI PROTECTION. DO NOT INSTALL RECEPTACLES WITHIN 12" OF THE EDGE OF A SINK OR BASIN.
3. COORDINATE WITH THE COMMUNICATIONS DRAWINGS TO ENSURE THAT A DUPLEX RECEPTACLE IS INSTALLED WITHIN 18" HORIZONTAL TO ALL SIGNAL AND DATA DEVICE LOCATIONS.
4. SWITCHES AND OTHER FLUSH WALL-MOUNTED DEVICES SHALL BE MOUNTED WITHIN 16" OF DOORFRAME. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR DOORS WITH ADJACENT SIDELIGHTS. WHERE DEVICES ARE SHOWN ADJACENT TO THE DOOR ON THE HINGE-SIDE OF THE DOOR, AND THE DOOR SWINGS IN A MANNER THAT SHALL BLOCK THE DEVICE, MOUNT THE DEVICE 12" BEYOND THE DOOR SWING. COORDINATE ROUGH-IN LOCATIONS WITH DIV. 27 AND 28 DEVICES AS WELL. COORDINATE MOUNTING LOCATION WITH OTHER TRADES TO ENSURE A UNIFORM MOUNTING AND AESTHETICALLY-PLEASING APPEARANCE.
5. MOUNTING HEIGHT INDICATED IN LEGEND AND ON THE DRAWINGS SHALL BE THE DISTANCE MEASURED FROM THE CENTER OF THE DEVICE TO THE FINISHED FLOOR.
6. COORDINATE FINAL RECEPTACLE HEIGHT AND LOCATION WITH ARCHITECTURAL/INTERIORS PLANS.
7. COORDINATE FINAL RECEPTACLE HEIGHT AND LOCATION WITH MANUFACTURER REQUIREMENTS.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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SATISFACTORY TO DATE 4/20/16

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PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
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NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL DEMOLITION AND PHASING REQUIREMENTS

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722110
SHEET 124 OF 177

E-002

DRAWFORM REVISION: 10 MAY 2014

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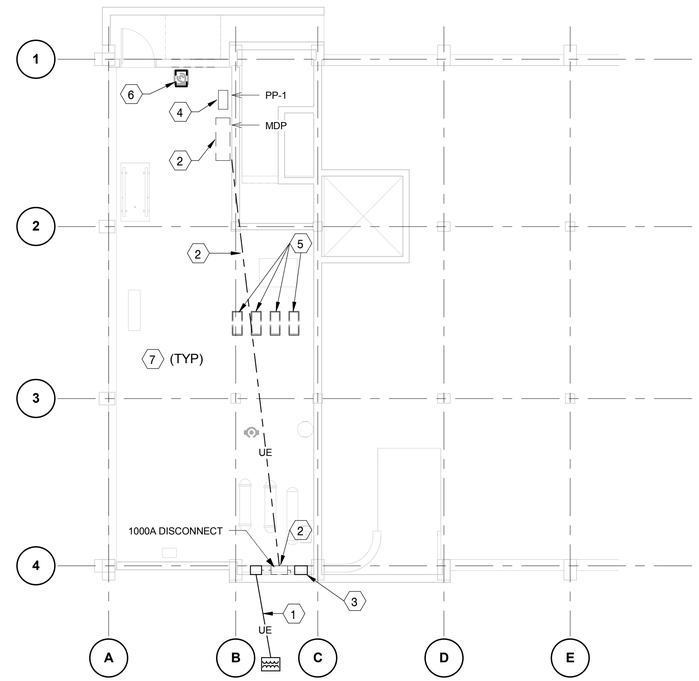

PLAN NORTH

ELECTRICAL DEMOLITION PLAN - BASEMENT

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THIS SHEET SHALL READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS.
2. DRAWINGS ARE BASED ON EXISTING BUILDING DOCUMENTS AND FIELD OBSERVATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCMENT OF WORK.
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.

DEMOLITION / ETR NOTES:

1. THREE (3) SETS OF 350 KCMIL CONDUCTORS FROM TRANSFORMER SECONDARY TO SUPPLY SIDE OF SERVICE DISCONNECT INSIDE OF BASEMENT ARE ETR. THE (3) - 4" CONDUITS WHICH ARE BELOW GRADE SHALL ALSO REMAIN.
2. EXISTING 1000A SERVICE DISCONNECT AND ASSOCIATED (2) SETS OF 700 KCMIL CONDUCTORS FROM LOAD SIDE OF DISCONNECT TO MAIN DISTRIBUTION PANEL (MDP) TO REMAIN.
3. TELECOMMUNICATIONS PULL BOX IS EXISTING TO REMAIN.
4. EXISTING PP-1 PANELBOARD, ASSOCIATED CONDUIT AND FEEDER ORIGINATING FROM MDP SHALL REMAIN. DISCONNECT BRANCH CIRCUITS FROM EXISTING CIRCUIT BREAKERS FOR MECHANICAL EQUIPMENT BEING DEMOLISHED, AND CLEARLY LABEL THE CONDUCTORS WITH EXISTING CIRCUIT NUMBERS IN PANELBOARD PP-1. MAKE EXISTING CIRCUIT CONDUCTORS SAFE AND PREPARE FOR RECONNECTION. ALL ELEVATOR CIRCUITS AND ASSOCIATED CONTROL CIRCUITS SHALL BE EXISTING TO REMAIN.
5. DISCONNECT CIRCULATION PUMPS AND HHW PUMPS. REMOVE ALL ASSOCIATED CONDUIT, CONDUCTORS AND ASSOCIATED APPURTENCANCES BACK TO SOURCE.
6. DISCONNECT SUPPLY FAN SF-1. REMOVE CONDUIT AND CONDUCTORS COMPLETE BACK TO SOURCE.
7. EXISTING LIGHTING TO REMAIN.

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

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PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

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NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL DEMOLITION PLAN - BASEMENT

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722111
SHEET 125 OF 177

ED100

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\97997-NGISB678\Models\MEP\97997_E_jccashwell.rvt
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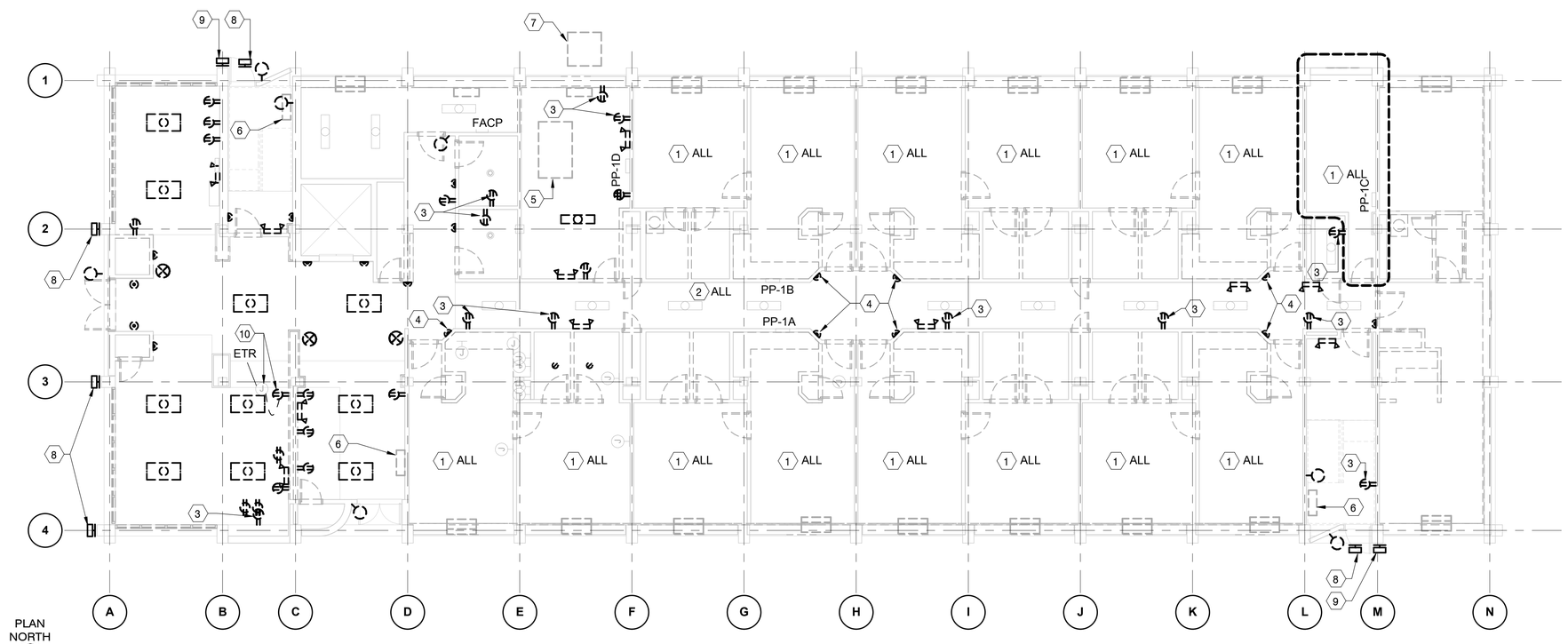
DEMOLITION NOTES:

1. SEE "DEMOLITION ENLARGED PLANS" SHEETS ED401 AND ED402 FOR FURTHER DESCRIPTION OF DEMOLITION SCOPE IN THESE SPACES.
2. ALL BRANCH CIRCUIT PANELBOARDS ON FLOORS 1-5 SHALL BE EXISTING TO REMAIN AS INDICATED ON RISER DIAGRAM E-601.
3. REMOVE EXISTING DEVICE. JUNCTION BOX, CONDUIT, AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW DEVICE INSTALLED UNDER NEW WORK PHASE. MAKE CIRCUIT SAFE DURING DEMOLITION PHASE. SEE "EP101 - ELECTRICAL POWER PLAN - 1ST FLOOR" FOR FURTHER DETAIL.
4. DEMOLISH EXISTING WALL SCONCE. JUNCTION BOX, CONDUIT, AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW WALL SCONCE INSTALLED UNDER NEW WORK PHASE. MAKE CIRCUIT SAFE DURING DEMOLITION. SEE "EL101 - ELECTRICAL LIGHTING PLAN - 1ST FLOOR" FOR FURTHER DETAIL.
5. DISCONNECT EXISTING AIR HANDLING UNIT (AHU). REMOVE JUNCTION BOXES, CONDUIT AND CONDUCTORS COMPLETE BACK TO SOURCE.
6. DISCONNECT EXISTING CABINET UNIT HEATER (CUH). EXISTING JUNCTION BOX, CONDUIT AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW DEVICE INSTALLED UNDER NEW WORK PHASE.
7. DISCONNECT EXISTING OUTDOOR CONDENSING UNIT (CU). REMOVE JUNCTION BOXES, CONDUIT AND CONDUCTORS COMPLETE BACK TO SOURCE.
8. REMOVE EXISTING EXTERIOR WALL PACK. JUNCTION BOX, CONDUIT AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW WORK DEVICE INSTALLED UNDER NEW WORK PHASE.
9. REMOVE EXISTING EXTERIOR WALL PACK, CONDUIT AND CONDUCTORS BACK TO NEAREST POWERED DEVICE.
10. DEMOLISH DEVICE, CONDUIT, JUNCTION BOX AND CONDUCTOR COMPLETE TO NEAREST JUNCTION BOX. MARK LOCATION OF JUNCTION BOX FOR RECONNECTION OF CIRCUIT. MAKE CIRCUIT SAFE PRIOR TO MOVING ONTO NEW WORK.

GENERAL NOTES:

1. THIS SHEET SHALL READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS.
2. DRAWINGS ARE BASED ON EXISTING BUILDING DOCUMENTS AND FIELD OBSERVATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCMENT OF WORK.
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.



ELECTRICAL DEMOLITION PLAN - 1ST FLOOR
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:
1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

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NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

NEWPORT, RHODE ISLAND

ELECTRICAL DEMOLITION PLAN - 1ST FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722112
SHEET 126 OF 177

ED101

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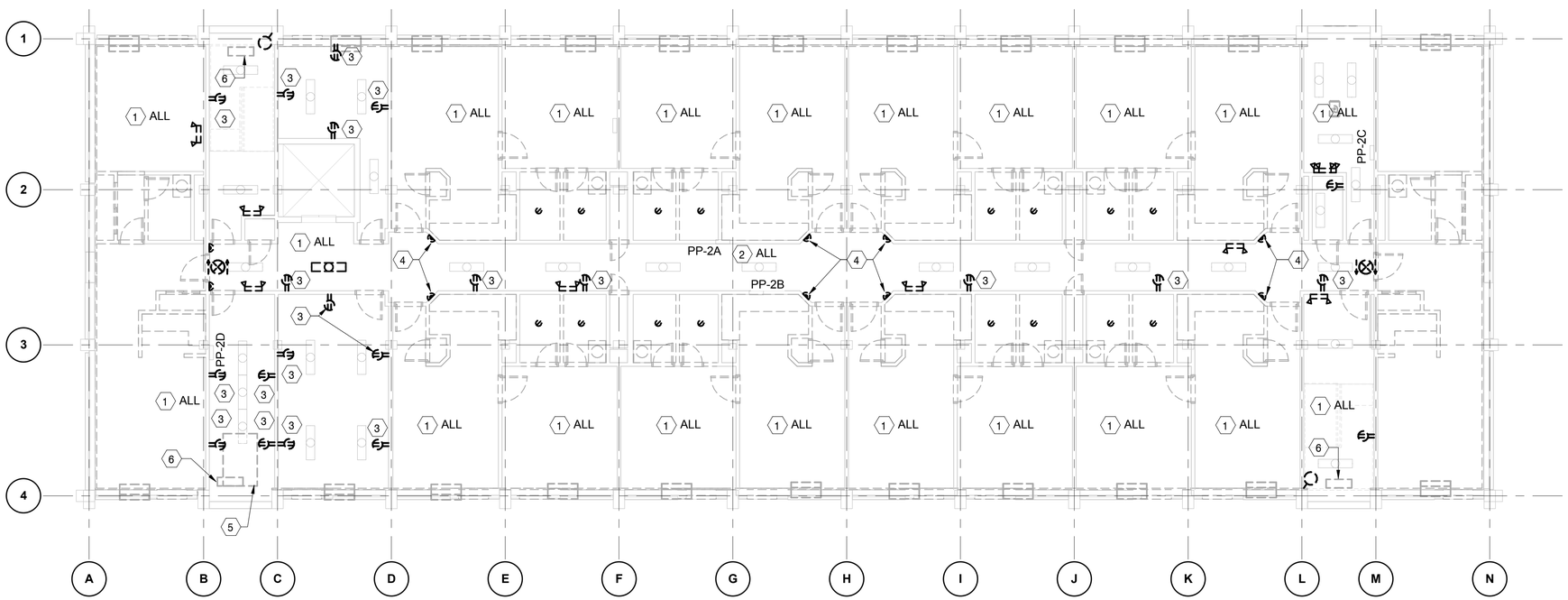
DEMOLITION NOTES:

1. SEE "DEMOLITION ENLARGED PLANS" SHEETS ED401 AND ED402 FOR FURTHER DESCRIPTION OF DEMOLITION SCOPE IN THESE SPACES.
2. ALL BRANCH CIRCUIT PANELBOARDS ON FLOORS 1-5 SHALL BE EXISTING TO REMAIN AS INDICATED ON RISER DIAGRAM E-601.
3. REMOVE EXISTING DEVICE. JUNCTION BOX, CONDUIT, AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW DEVICE INSTALLED UNDER NEW WORK PHASE. MAKE CIRCUIT SAFE DURING DEMOLITION. SEE "EP102 - ELECTRICAL POWER PLAN - 2ND FLOOR" FOR FURTHER DETAIL.
4. DEMOLISH EXISTING WALL SCONCE. JUNCTION BOX, CONDUIT, AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW WALL SCONCE INSTALLED UNDER NEW WORK PHASE. MAKE CIRCUIT SAFE DURING DEMOLITION. SEE "EL102 - ELECTRICAL LIGHTING PLAN - 2ND FLOOR" FOR FURTHER DETAIL.
5. DISCONNECT EXISTING AIR HANDLING UNIT (AHU). REMOVE JUNCTION BOXES, CONDUIT AND CONDUCTORS COMPLETE BACK TO SOURCE.
6. DISCONNECT EXISTING CABINET UNIT HEATER (CUH). EXISTING JUNCTION BOX, CONDUIT AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW DEVICE INSTALLED UNDER NEW WORK PHASE.

GENERAL NOTES:

1. THIS SHEET SHALL READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS.
2. DRAWINGS ARE BASED ON EXISTING BUILDING DOCUMENTS AND FIELD OBSERVATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCMENT OF WORK.
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.



ELECTRICAL DEMOLITION PLAN - 2ND FLOOR

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W Grunfield
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-T0 DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL DEMOLITION PLAN - 2ND FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722113
SHEET 127 OF 177

ED102

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:22 AM

DEMOLITION NOTES:

1. SEE "DEMOLITION ENLARGED PLANS" SHEETS ED401 AND ED402 FOR FURTHER DESCRIPTION OF DEMOLITION SCOPE IN THESE SPACES.
2. ALL BRANCH CIRCUIT PANELBOARDS ON FLOORS 1-5 SHALL BE EXISTING TO REMAIN AS INDICATED ON RISER DIAGRAM E-601.
3. REMOVE EXISTING DEVICE. JUNCTION BOX, CONDUIT, AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW DEVICE INSTALLED UNDER NEW WORK PHASE. MAKE CIRCUIT SAFE DURING DEMOLITION PHASE. SEE "EP103 - ELECTRICAL POWER PLAN - 3RD FLOOR" FOR FURTHER DETAIL.
4. DEMOLISH EXISTING WALL SCONCE. JUNCTION BOX, CONDUIT, AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW WALL SCONCE INSTALLED UNDER NEW WORK PHASE. MAKE CIRCUIT SAFE DURING DEMOLITION. SEE "EL103 - ELECTRICAL LIGHTING PLAN - 3RD FLOOR" FOR FURTHER DETAIL.
5. DISCONNECT EXISTING AIR HANDLING UNIT (AHU). REMOVE JUNCTION BOXES, CONDUIT AND CONDUCTORS COMPLETE BACK TO SOURCE.
6. DISCONNECT EXISTING CABINET UNIT HEATER (CUH). EXISTING JUNCTION BOX, CONDUIT AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW DEVICE INSTALLED UNDER NEW WORK PHASE.

GENERAL NOTES:

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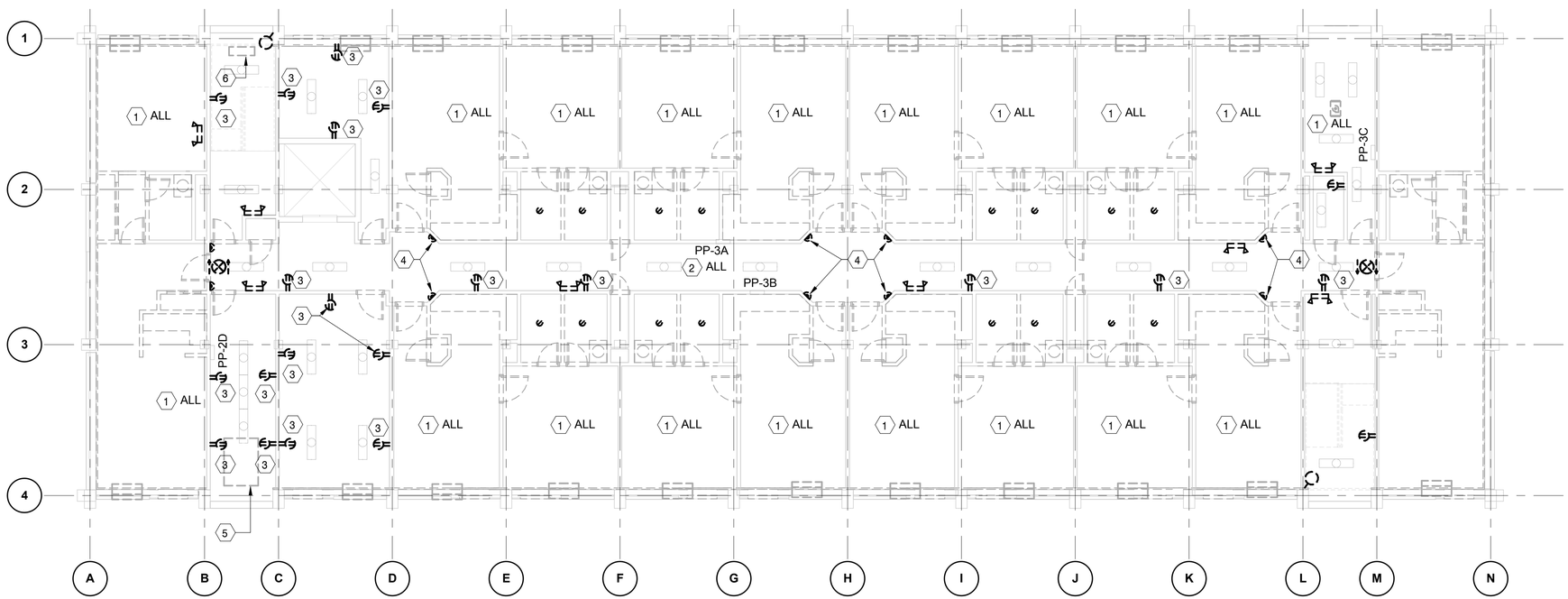
2. DRAWINGS ARE BASED ON EXISTING BUILDING DOCUMENTS AND FIELD OBSERVATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCMENT OF WORK.
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.



PLAN NORTH

ELECTRICAL DEMOLITION PLAN - 3RD FLOOR

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
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CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM/BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT

NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND

NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL DEMOLITION PLAN - 3RD FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722114
SHEET 128 OF 177

ED103

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\97997-NGISB678\Models\MEP\97997_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:23 AM

DEMOLITION NOTES:

1. SEE "DEMOLITION ENLARGED PLANS" SHEETS ED401 AND ED402 FOR FURTHER DESCRIPTION OF DEMOLITION SCOPE IN THESE SPACES.
2. ALL BRANCH CIRCUIT PANELBOARDS ON FLOORS 1-5 RISER DIAGRAM E-601.
3. REMOVE EXISTING DEVICE. JUNCTION BOX, CONDUIT, AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW DEVICE INSTALLED UNDER NEW WORK PHASE. MAKE CIRCUIT SAFE DURING DEMOLITION PHASE. SEE "EP105 - ELECTRICAL POWER PLAN - 5TH FLOOR" FOR FURTHER DETAIL.
4. DEMOLISH EXISTING WALL SCONCE. JUNCTION BOX, CONDUIT, AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW WALL SCONCE INSTALLED UNDER NEW WORK PHASE. MAKE CIRCUIT SAFE DURING DEMOLITION. SEE "EL105 - ELECTRICAL LIGHTING PLAN - 5TH FLOOR" FOR FURTHER DETAIL.
5. DISCONNECT EXISTING AIR HANDLING UNIT (AHU). REMOVE JUNCTION BOXES, CONDUIT AND CONDUCTORS COMPLETE BACK TO SOURCE.
6. DISCONNECT EXISTING CABINET UNIT HEATER (CUH). EXISTING JUNCTION BOX, CONDUIT AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW DEVICE INSTALLED UNDER NEW WORK PHASE.
7. DISCONNECT EXISTING INLINE CENTRIFUGAL FAN. REMOVE JUNCTION BOXES, CONDUIT AND CONDUCTORS COMPLETE BACK TO SOURCE.

GENERAL NOTES:

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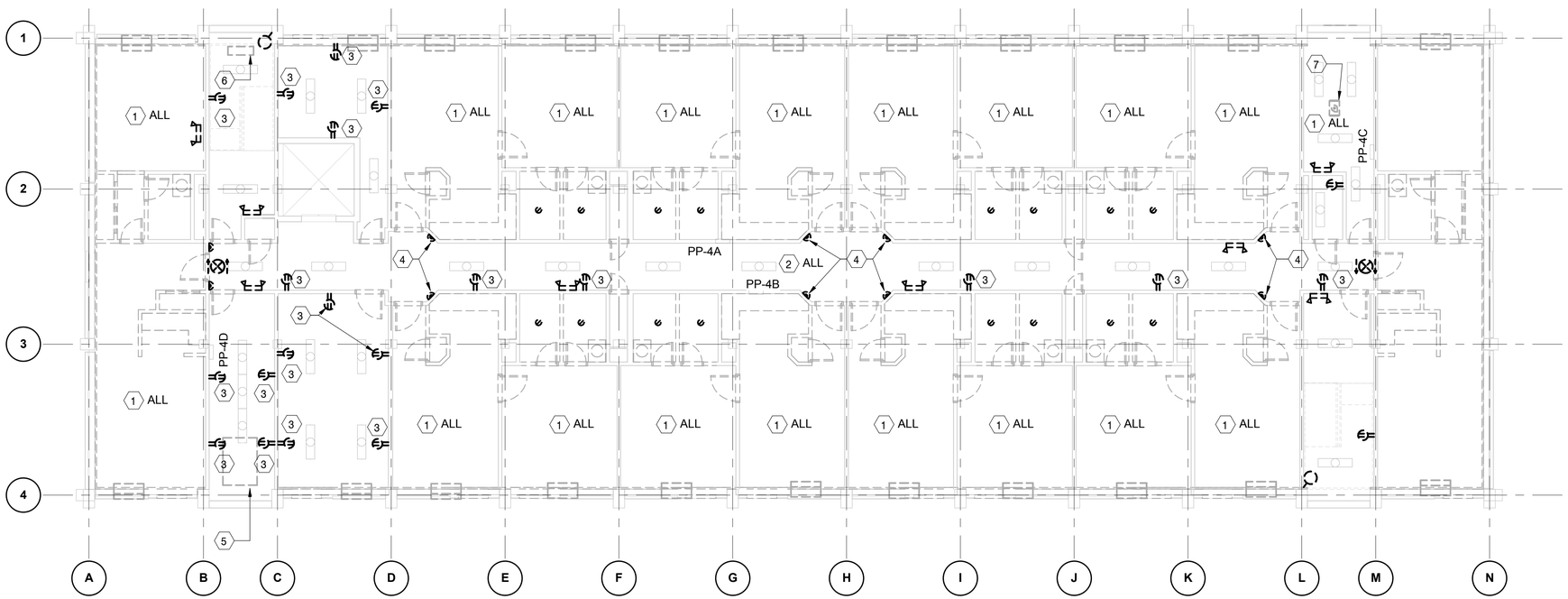
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.



ELECTRICAL DEMOLITION PLAN - 4TH FLOOR
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:
1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
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APPROVED
David W Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM/BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL DEMOLITION PLAN - 4TH FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722115
SHEET 129 OF 177

ED104

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87397-NGISB678\Models\MEP\87397_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:25 AM

DEMOLITION NOTES:

1. SEE "DEMOLITION ENLARGED PLANS" SHEETS ED401 AND ED402 FOR FURTHER DESCRIPTION OF DEMOLITION SCOPE IN THESE SPACES.
2. ALL BRANCH CIRCUIT PANELBOARDS ON FLOORS 1-5 RISER DIAGRAM E-601.
3. REMOVE EXISTING DEVICE. JUNCTION BOX, CONDUIT, AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW DEVICE INSTALLED UNDER NEW WORK PHASE. MAKE CIRCUIT SAFE DURING DEMOLITION PHASE. SEE "EP105 - ELECTRICAL POWER PLAN - 5TH FLOOR" FOR FURTHER DETAIL.
4. DEMOLISH EXISTING WALL SCONCE. JUNCTION BOX, CONDUIT, AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW WALL SCONCE INSTALLED UNDER NEW WORK PHASE. MAKE CIRCUIT SAFE DURING DEMOLITION. SEE "EL105 - ELECTRICAL LIGHTING PLAN - 5TH FLOOR" FOR FURTHER DETAIL.
5. DISCONNECT EXISTING CABINET UNIT HEATER (CUH). EXISTING JUNCTION BOX, CONDUIT AND CONDUCTORS TO REMAIN FOR SERVICE TO NEW DEVICE INSTALLED UNDER NEW WORK PHASE.

GENERAL NOTES:

1. THIS SHEET SHALL READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS.
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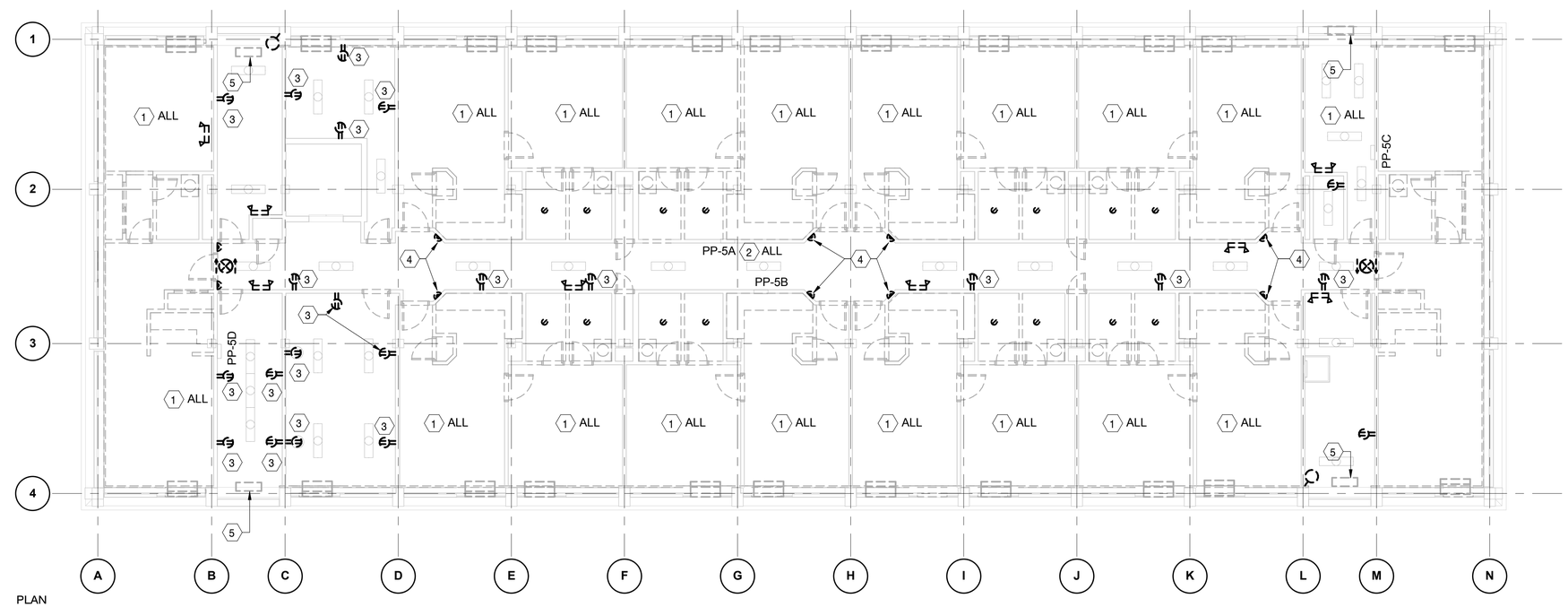
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.



ELECTRICAL DEMOLITION PLAN - 5TH FLOOR

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
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APPROVED
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL DEMOLITION PLAN - 5TH FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722116
SHEET 130 OF 177

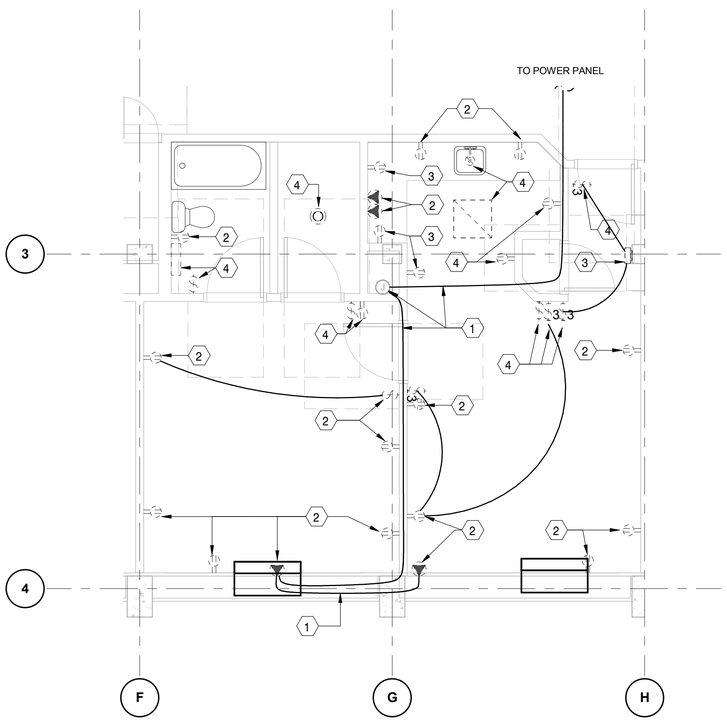
ED105

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:26 AM

GENERAL NOTES:

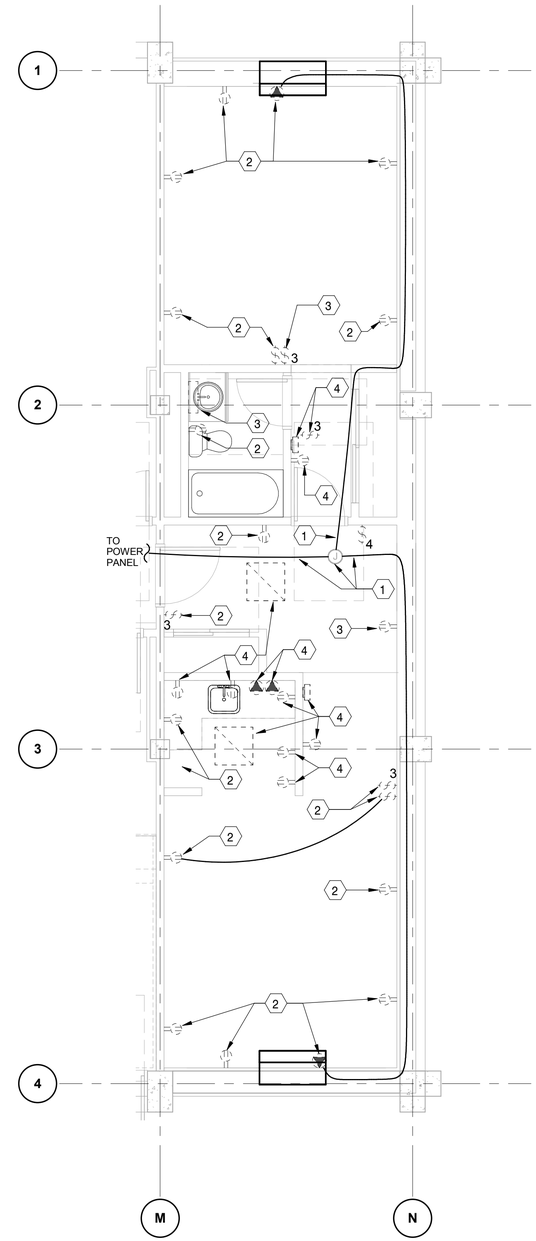
1. THIS SHEET SHALL READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS.
2. DRAWINGS ARE BASED ON EXISTING BUILDING DOCUMENTS AND FIELD OBSERVATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCMENT OF WORK.
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.



DEMOLITION NOTES:

1. JUNCTION BOX, CONDUIT AND CONDUCTOR TO REMAIN FOR RECONNECTION OF NEW WORK. MAKE CIRCUIT SAFE PRIOR TO MOVING ON TO NEW WORK.
2. REMOVE DEVICE. JUNCTION BOX, CONDUIT AND CONDUCTORS TO REMAIN FOR RECONNECTION OF NEW WORK. MAKE CIRCUIT SAFE PRIOR TO MOVING ONTO NEW WORK.
3. REMOVE DEVICE AND ABANDON JUNCTION BOX IN PLACE. REMOVE WIRING BACK TO NEAREST POWERED DEVICE IN CIRCUIT.
4. DEMOLISH DEVICE, CONDUIT, JUNCTION BOX AND CONDUCTOR COMPLETE TO NEAREST JUNCTION BOX. MARK LOCATION OF JUNCTION BOX FOR RECONNECTION OF CIRCUIT. MAKE CIRCUIT SAFE PRIOR TO MOVING ONTO NEW WORK.

A3 ENLARGED PLAN TYPICAL UNIT TYPE "A" - DEMOLITION
SCALE: 1/4" = 1'-0"



DEMOLITION NOTES:

1. JUNCTION BOX, CONDUIT AND CONDUCTOR TO REMAIN FOR RECONNECTION OF NEW WORK. MAKE CIRCUIT SAFE PRIOR TO MOVING ON TO NEW WORK.
2. REMOVE DEVICE. JUNCTION BOX, CONDUIT AND CONDUCTORS TO REMAIN FOR RECONNECTION OF NEW WORK. MAKE CIRCUIT SAFE PRIOR TO MOVING ONTO NEW WORK.
3. REMOVE DEVICE AND ABANDON JUNCTION BOX IN PLACE. REMOVE WIRING BACK TO NEAREST POWERED DEVICE IN CIRCUIT.
4. DEMOLISH DEVICE, CONDUIT, JUNCTION BOX AND CONDUCTOR COMPLETE TO NEAREST JUNCTION BOX. MARK LOCATION OF JUNCTION BOX FOR RECONNECTION OF CIRCUIT. MAKE CIRCUIT SAFE PRIOR TO MOVING ONTO NEW WORK.

A1 ENLARGED PLAN TYPICAL UNIT TYPE "B" - DEMOLITION
SCALE: 1/4" = 1'-0"

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
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5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
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SUITE 160
CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM/BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

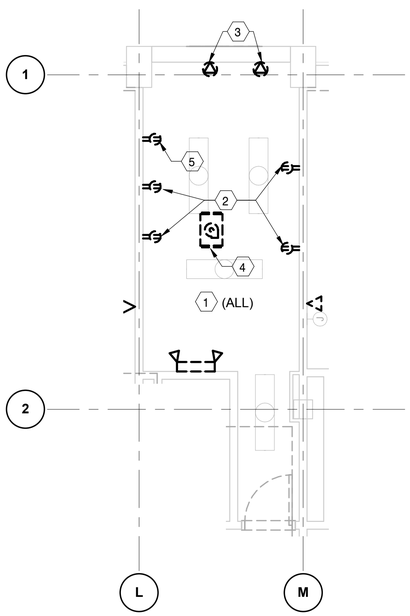
DES	JCC	DRW	JCH	CHK	TED
PM / DM	MLW/LEJ				
BRANCH MANAGER					
CHIEF ENG/ARCH		DWG			
FIRE PROTECTION					

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND
RENOVATION OF BUILDING 678
DEMOLITION ENLARGED PLANS

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722117
SHEET 131 OF 177
ED401

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\97997-NGISB678\Models\MEP\97997_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:28 AM



ENLARGED PLAN TYPICAL LAUNDRY - DEMOLITION

A3 SCALE: 1/4" = 1'-0"

DEMOLITION NOTES:

1. LIGHTING AND ASSOCIATED CIRCUITING TO REMAIN.
2. DEMOLISH DEVICE. JUNCTION BOX, CONDUIT AND CONDUCTOR TO REMAIN FOR RECONNECTION OF NEW WORK. MAKE CIRCUIT SAFE PRIOR TO MOVING ON TO NEW WORK.
3. DEMOLISH DEVICE, CONDUIT, JUNCTION BOX AND CONDUCTOR COMPLETE TO NEAREST JUNCTION BOX. MARK LOCATION OF JUNCTION BOX FOR RECONNECTION OF CIRCUIT. MAKE CIRCUIT SAFE PRIOR TO MOVING ONTO NEW WORK.
4. DEMOLISH EXHAUST FAN AND ALL ASSOCIATED ELECTRICAL INFRASTRUCTURE BACK TO SOURCE IN ITS ENTIRETY. SEE "MECHANICAL DEMOLITION SHEET - MD101", FOR FURTHER CLARIFICATION.
5. REMOVE DEVICE AND ABANDON JUNCTION BOX IN PLACE. REMOVE WIRING BACK TO NEAREST POWERED DEVICE IN CIRCUIT.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO

APPROVED
DAVID W. GRUNFELD
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED

PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

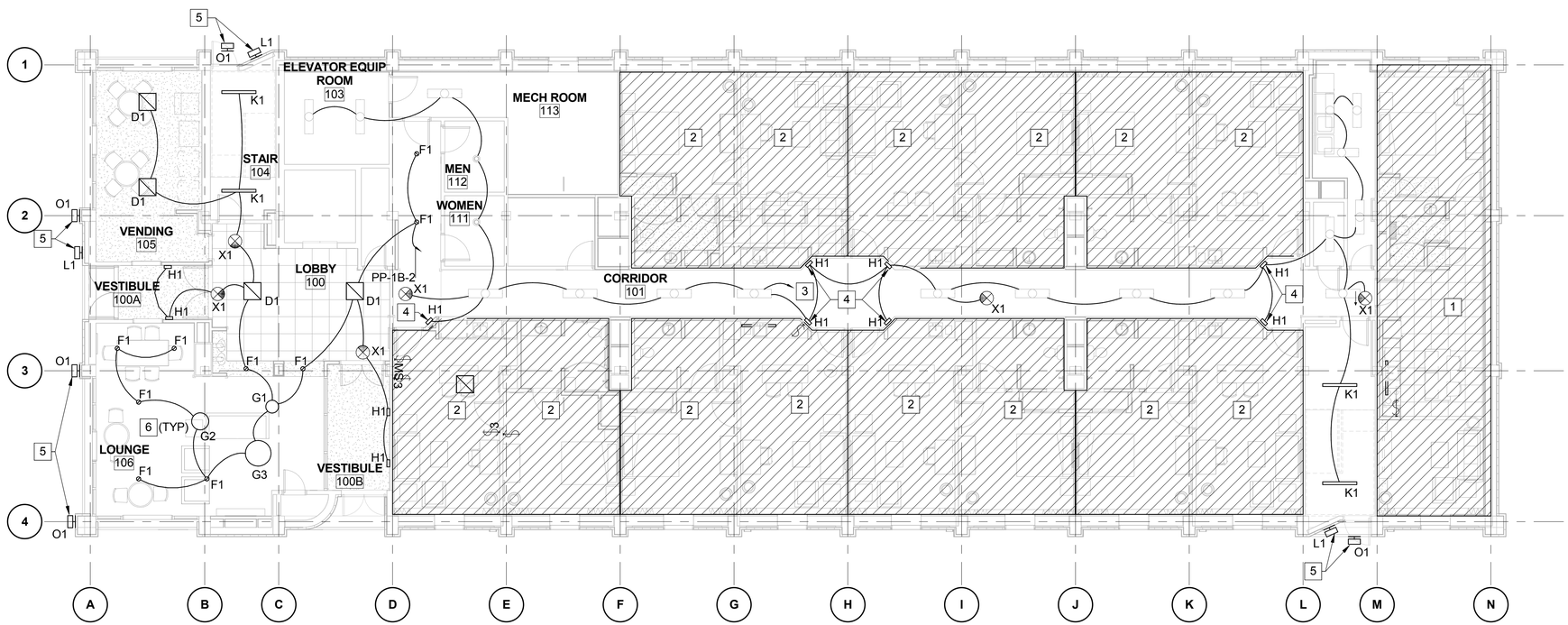
DEMOLITION ENLARGED PLANS

SCALE: **AS NOTED**
EPROJECT NO. **1382693**
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. **12722118**
SHEET **132** OF **177**

ED402

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP87997_E_jcashwell.rvt
REV/DATE: 5/3/2016 9:43:28 AM



PLAN NORTH

ELECTRICAL LIGHTING PLAN - 1ST FLOOR

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THIS SHEET SHALL READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS.
2. DRAWINGS ARE BASED ON EXISTING BUILDING DOCUMENTS AND FIELD OBSERVATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCMENT OF WORK.
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.
4. SEE ENLARGED PLANS, SHEETS E-401 AND E-402 FOR LIGHTING IN TYPICAL SUITES.
5. SEE CIVIL SHEET C-201 FOR GAZEBO LIGHTING LOCATION AND CONDUIT REQUIREMENTS. PROVIDE TYPE J1 FIXTURE AND WEATHERPROOF SINGLE POLE SWITCH. PROVIDE POWER FROM CIRCUIT PP1D-16. MOUNT FIXTURE TO GAZEBO IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. COORDINATE MOUNTING OF LIGHT FIXTURE WITH OWNER.

KEY NOTES:

1. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "A" - NEW WORK" SHEET E-401 FOR MORE DETAIL.
2. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "B" - NEW WORK" SHEET E-402 FOR MORE DETAIL.
3. LIGHT FIXTURES INDICATED AS EXISTING TO REMAIN (ETR) SHALL REMAIN ON EXISTING CIRCUIT.
4. PROVIDE NEW WALL SCONCE IN EXISTING WALL SCONCE LOCATION. RE-USE EXISTING JUNCTION BOX AND CONNECT NEW FIXTURES TO EXISTING LIGHTING CIRCUIT.
5. PROVIDE NEW EXTERIOR FIXTURES AT EXISTING LOCATIONS. CONNECT FIXTURES TO EXISTING CIRUITS. PROVIDE AND COORDINATE MOUNTING HARDWARE WITH NEW BUILDING SKIN.
6. NEW FIXTURES INDICATED WITHIN ROOM 106 ARE TO BE INSTALLED IN EXISTING GWB CEILING. CUT AND PATCH AS REQUIRED TO MATCH EXISTING ARCHITECTURAL FINISHES WITHIN THIS SPACE.

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
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SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JGH	CHK TED

PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION DPS

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL LIGHTING PLAN - 1ST FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722126
SHEET 140 OF 177

EL101

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP87997_E_jcashwell.rvt
REV/DATE: 5/3/2016 9:43:32 AM

GENERAL NOTES:

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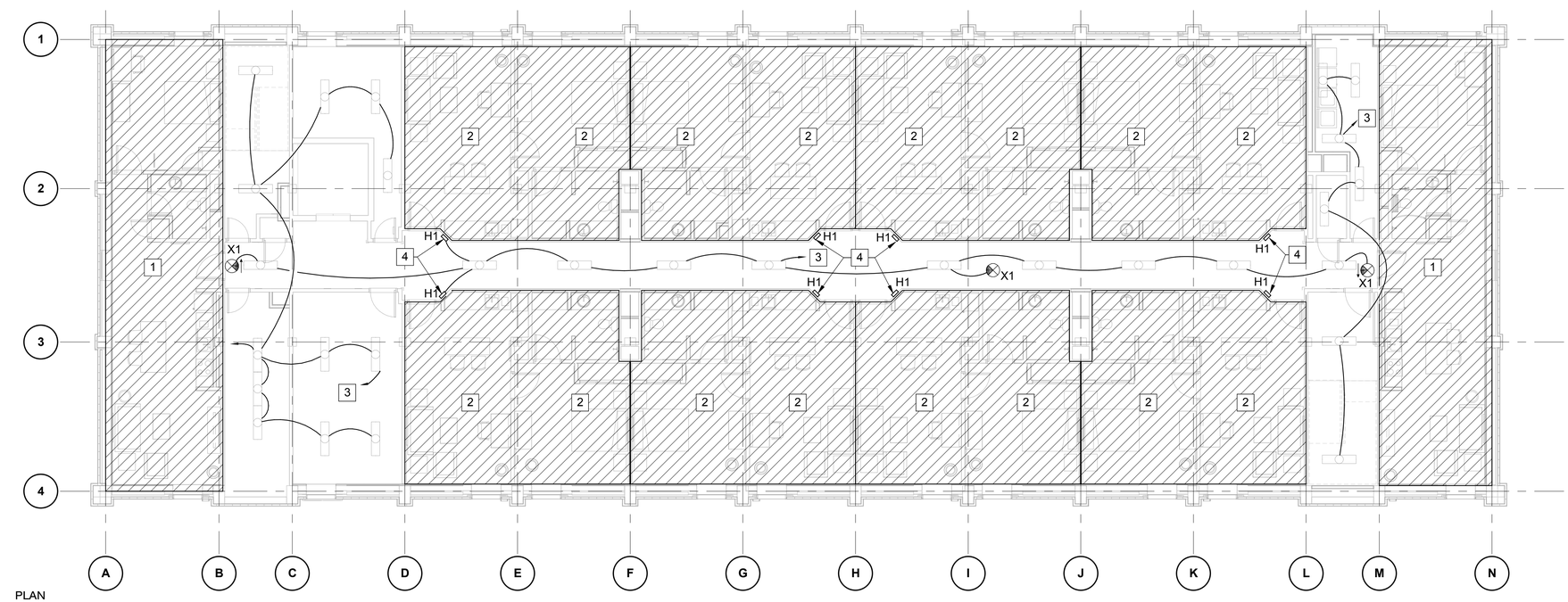
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.
4. SEE ENLARGED PLANS, SHEETS E-401 AND E-402 FOR LIGHTING IN TYPICAL SUITES.
5. SEE LIGHTING SEQUENCE OF OPERATION SHEET E-002.

KEY NOTES:

1. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "A" - NEW WORK" SHEET E-401 FOR MORE DETAIL.
2. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "B" - NEW WORK" SHEET E-402 FOR MORE DETAIL.
3. LIGHT FIXTURES INDICATED AS EXISTING TO REMAIN (ETR) SHALL REMAIN ON EXISTING CIRCUIT.
4. PROVIDE NEW WALL SCONCE IN EXISTING WALL SCONCE LOCATION. RE-USE EXISTING JUNCTION BOX AND CONNECT NEW FIXTURES TO EXISTING LIGHTING CIRCUIT.



ELECTRICAL LIGHTING PLAN - 2ND FLOOR
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:
1/8" =1'-0"
0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/23/16
PROFESSIONAL ENGINEER

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED

PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL LIGHTING PLAN - 2ND FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722127
SHEET 141 OF 177
EL102

DRAWFORM REVISION: 10 MAY 2014

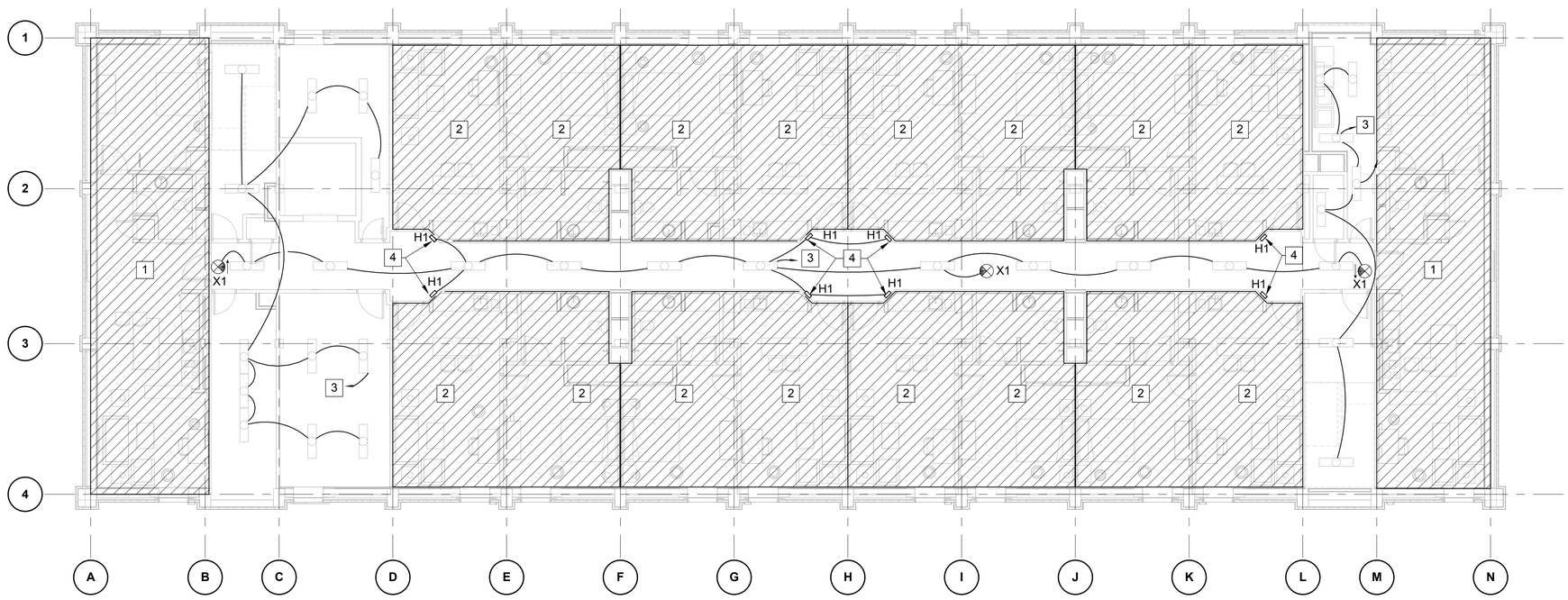
FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REVDATE: 5/23/2016 4:10:12 PM

GENERAL NOTES:

1. THIS SHEET SHALL READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS.
2. DRAWINGS ARE BASED ON EXISTING BUILDING DOCUMENTS AND FIELD OBSERVATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCMENT OF WORK.
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.
4. SEE ENLARGED PLANS, SHEETS E-401 AND E-402 FOR LIGHTING IN TYPICAL SUITES.
5. SEE LIGHTING SEQUENCE OF OPERATIONS SHEET E-002.

KEY NOTES:

1. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "A" - NEW WORK" SHEET E-401 FOR MORE DETAIL.
2. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "B" - NEW WORK" SHEET E-402 FOR MORE DETAIL.
3. LIGHT FIXTURES INDICATED AS EXISTING TO REMAIN (ETR) SHALL REMAIN ON EXISTING CIRCUIT.
4. PROVIDE NEW WALL SCONCE IN EXISTING WALL SCONCE LOCATION. RE-USE EXISTING JUNCTION BOX AND CONNECT NEW FIXTURES TO EXISTING LIGHTING CIRCUIT.



PLAN NORTH

ELECTRICAL LIGHTING PLAN - 3RD FLOOR

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/23/16
PROFESSIONAL ENGINEER

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320

A/E INFO

APPROVED
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FOR COMMANDER NAVFAC

ACTIVITY
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SATISFACTORY TO DATE 4/20/16

DES	JCC	DRW	JCH	CHK	TED

PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL LIGHTING PLAN - 3RD FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722128
SHEET 142 OF 177

EL103

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REVDATE: 5/23/2016 4:10:15 PM

DRAWFORM REVISION: 10 MAY 2014

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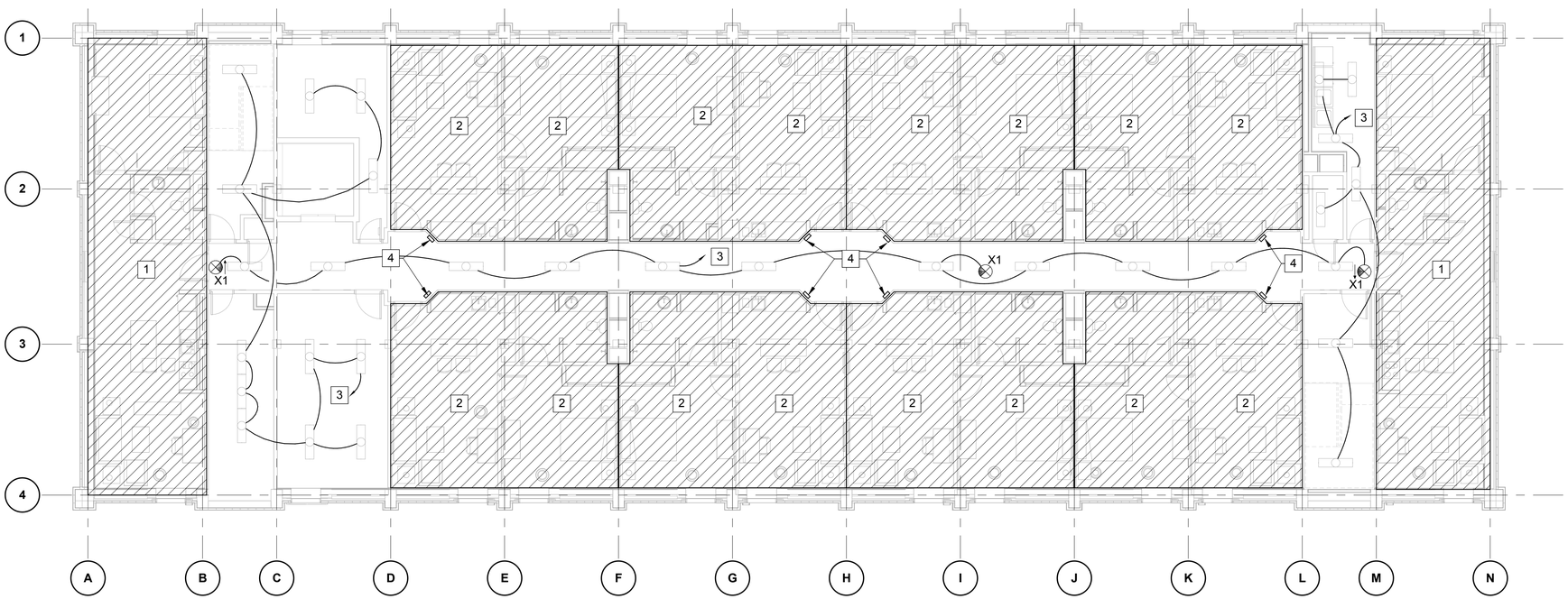
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.
4. SEE ENLARGED PLANS, SHEETS E-401 AND E-402 FOR LIGHTING IN TYPICAL SUITES.

KEY NOTES:

1. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "A" - NEW WORK" SHEET E-401 FOR MORE DETAIL.
2. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "B" - NEW WORK" SHEET E-402 FOR MORE DETAIL.
3. LIGHT FIXTURES INDICATED AS EXISTING TO REMAIN (ETR) SHALL REMAIN ON EXISTING CIRCUIT.
4. PROVIDE NEW WALL SCONCE IN EXISTING WALL SCONCE LOCATION. RE-USE EXISTING JUNCTION BOX AND CONNECT NEW FIXTURES TO EXISTING LIGHTING CIRCUIT.



PLAN NORTH

ELECTRICAL LIGHTING PLAN - 4TH FLOOR

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/23/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO.

APPROVED
David W. Grunfield
FOR COMMANDER NAVFAC

ACTIVITY
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SATISFACTORY TO DATE 4/20/16

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PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND - MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL LIGHTING PLAN - 4TH FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722129
SHEET 143 OF 177

EL104

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP87997_E_jccashwell.rvt
REVDATE: 5/23/2016 4:10:17 PM

GENERAL NOTES:

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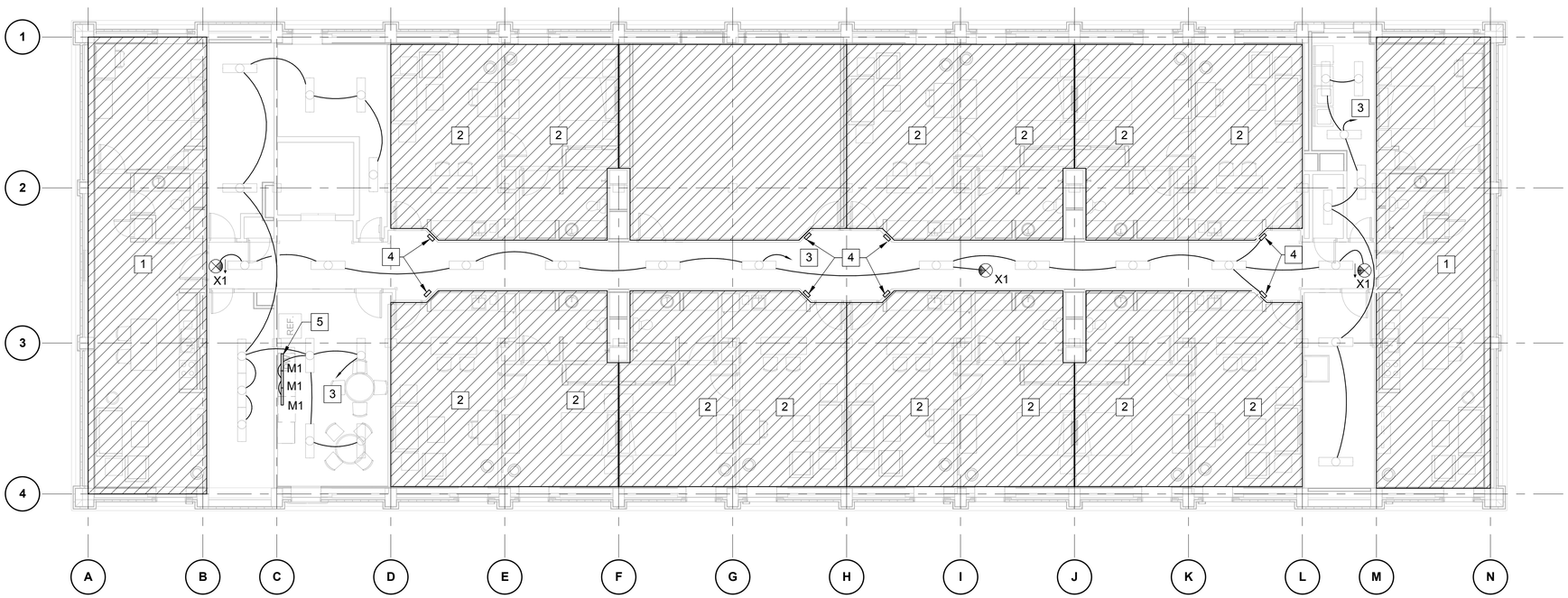
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.
4. SEE ENLARGED PLANS, SHEETS E-401 AND E-402 FOR LIGHTING IN TYPICAL SUITES.

KEY NOTES:

1. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "A" - NEW WORK" SHEET E-401 FOR MORE DETAIL.
2. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "B" - NEW WORK" SHEET E-402 FOR MORE DETAIL.
3. LIGHT FIXTURES INDICATED AS EXISTING TO REMAIN (ETR) SHALL REMAIN ON EXISTING CIRCUIT.
4. PROVIDE NEW WALL SCONCE IN EXISTING WALL SCONCE LOCATION. RE-USE EXISTING JUNCTION BOX AND CONNECT NEW FIXTURES TO EXISTING LIGHTING CIRCUIT.
5. CONNECT NEW UNDERCABINET LIGHTING INTO EXISTING LIGHTING CIRCUIT IN ROOM. PROVIDE ALL CONDUIT, CONDUCTORS AND JUNCTION BOXES REQUIRED TO COMPLETE CIRCUIT. CONCEAL ALL CONDUIT IN EXISTING WALLS OR CEILINGS. PATCH ALL WALLS AND CEILINGS TO MATCH ARCHITECTURAL FINISHES.



PLAN NORTH

ELECTRICAL LIGHTING PLAN - 5TH FLOOR

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARO MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES	DRW	CHK
JCC	JCH	TED

PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL LIGHTING PLAN - 5TH FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722130
SHEET 144 OF 177

EL105

FILE NAME: C:\Revit_Projects\87997-NG\SB678\Models\MEP\87997_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:45 AM

DRAWFORM REVISION: 10 MAY 2014

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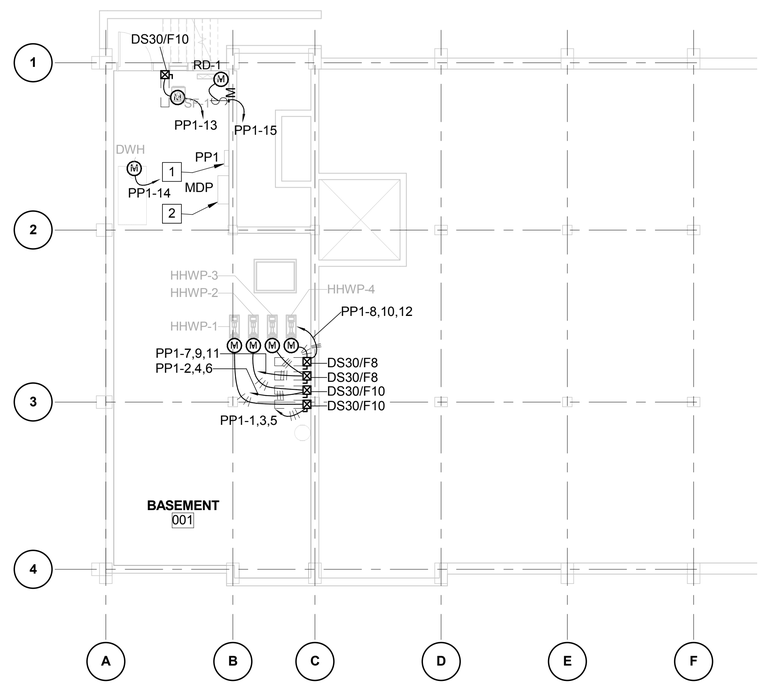
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.

KEY NOTES:

1. CREATE NEW PANELBOARD SCHEDULE IDENTIFYING AS-BUILT CONDITIONS.
2. MDP SHALL BE EXISTING TO REMAIN.



ELECTRICAL POWER PLAN - BASEMENT
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:
1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W Grunfield
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT.TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES	JCC	DRW	JCH	CHK	TED

PM / DM	MLW/LEJ
BRANCH MANAGER	
CHIEF ENG/ARCH	DWG
FIRE PROTECTION	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL POWER PLAN - BASEMENT

SCALE: **AS NOTED**
EPROJECT NO. **1382693**
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. **12722119**
SHEET **133** OF **177**

EP100

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REV/DATE: 5/3/2016 9:43:46 AM

FIRST FLOOR CIRCUITING SCHEDULE

ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
10-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-1C	5
10-B1	LIVING	A-CIRC-B	CIRCUIT B	PP-1C	21
10-B1	LIVING	A-CIRC-A	CIRCUIT A	PP-1C	17
10-B1	LIVING	A-CIRC-D	CIRCUIT D	PP-1C	2
10-B1	LIVING	A-CIRC-E	CIRCUIT E	PP-1C	8,10
10-B1	LIVING	A-CIRC-PTACS	PTAC CIRCUIT	PP-1C	13,15
10-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-1C	5
10-B3	BATH	A-CIRC-D	CIRCUIT D	PP-1C	2
10-B3	BATH	A-CIRC-C	CIRCUIT C	PP-1C	2
10-B4	CLOSET	A-CIRC-C	CIRCUIT C	PP-1C	5
10-B4	CLOSET	A-CIRC-D	CIRCUIT D	PP-1C	2
10-B4	CLOSET	A-CIRC-PTACS	PTAC CIRCUIT	PP-1C	13,15
11-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-1B	25
11-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-1B	22
11-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-1B	20
11-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-1B	26
11-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-1B	13,15
11-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-1B	7,9
11-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-1B	26
11-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-1B	25
11-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-1B	26
11-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-1B	7,9
11-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-1B	25
11-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-1B	26
12-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-1B	27
12-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-1B	17
12-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-1B	19
12-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-1B	28
12-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-1B	16,18
12-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-1B	8,10
12-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-1B	28
12-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-1B	27
12-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-1B	28

FIRST FLOOR CIRCUITING SCHEDULE

ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
12-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-1B	8,10
12-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-1B	27
12-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-1B	28
13-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-1B	23
13-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-1B	21
13-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-1B	11
13-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-1B	24
13-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-1B	12,14
13-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-1B	4,6
13-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-1B	24
13-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-1B	23
13-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-1B	24
13-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-1B	4,6
13-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-1B	23
13-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-1B	24
16-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-1A	8
16-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-1A	2
16-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-1A	4
16-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-1A	9
16-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-1A	10,12
16-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-1A	11,13
16-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-1A	9
16-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-1A	8
16-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-1A	9
16-A4	CLOSET	B-CIRC-D	CIRCUIT D	PP-1A	8
16-A4	CLOSET	B-CIRC-C	CIRCUIT C REC	PP-1A	9
16-A4	CLOSET	B-CIRC-PTACS	PTAC CIRCUIT	PP-1A	11,13
17-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-1A	20
17-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-1A	16
17-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-1A	19
17-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-1A	25
17-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-1A	31,33
17-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-1A	26,28

FIRST FLOOR CIRCUITING SCHEDULE

ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
17-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-1A	25
17-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-1A	20
17-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-1A	25
17-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-1A	26,28
17-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-1A	20
17-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-1A	25
18-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-1A	21
18-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-1A	14
18-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-1A	18
18-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-1A	22
18-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-1A	34,36
18-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-1A	27,29
18-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-1A	22
18-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-1A	21
18-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-1A	22
18-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-1A	27,29
18-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-1A	21
18-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-1A	22
19-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-1A	23
19-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-1A	17
19-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-1A	15
19-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-1A	24
19-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-1A	35,37
19-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-1A	30,32
19-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-1A	24
19-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-1A	23
19-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-1A	24
19-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-1A	30,32
19-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-1A	23
19-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-1A	24

GENERAL NOTES:

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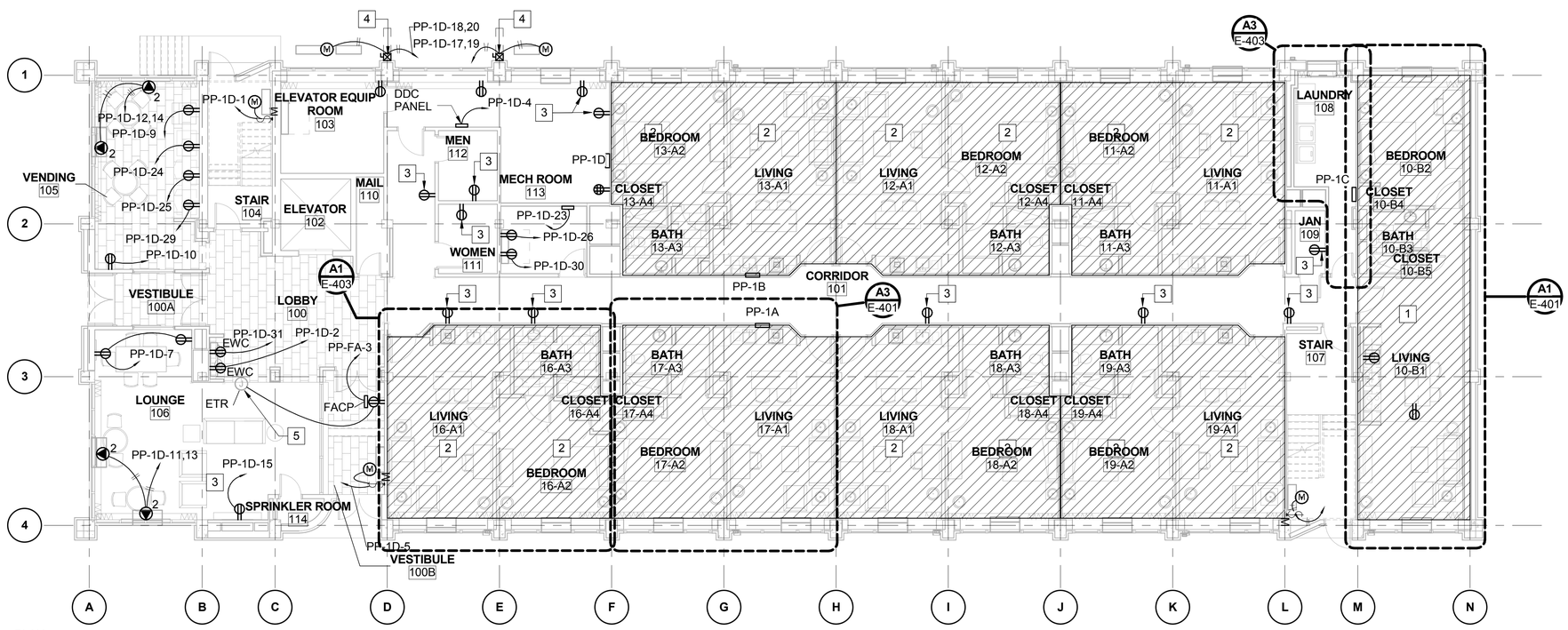
4. SEE ENLARGED PLANS, SHEETS E-401 AND E-402 FOR POWER IN TYPICAL SUITES.

KEY NOTES:

1. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "A" - NEW WORK" SHEET E-401 FOR MORE DETAIL.
2. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "B" - NEW WORK" SHEET E-402 FOR MORE DETAIL.
3. EXISTING DEVICES REMOVED UNDER DEMOLITION. PROVIDE NEW DEVICE IN EXISTING LOCATION, RE-USING ALL EXISTING INFRASTRUCTURE. SEE "ED101 - ELECTRICAL DEMOLITION PLAN - 1ST FLOOR" FOR FURTHER DETAIL.
4. PROVIDE 1/2"C EMT FROM DISONNECT SWITCH TO INDOOR UNIT SPLIT SYSTEM UNIT. COORDINATE INDOOR UNIT EXACT LOCATION WITH MECHANICAL PLANS.
5. MARKED JUNCTION BOX DURING DEMOLITION. PROVIDE CONNECTION TO EXISTING CIRCUIT. EXTEND CIRCUIT AND PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED TO COMPLETE CIRCUIT.



ELECTRICAL POWER PLAN - 1ST FLOOR

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

							APPR
							DATE
							DESCRIPTION
							SYM

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM/BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
RENOVATION OF BUILDING 678

ELECTRICAL POWER PLAN - 1ST FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722120
SHEET 134 OF 177

EP101

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:49 AM

DRAWFORM REVISION: 10 MAY 2014

SECOND FLOOR CIRCUITING SCHEDULE

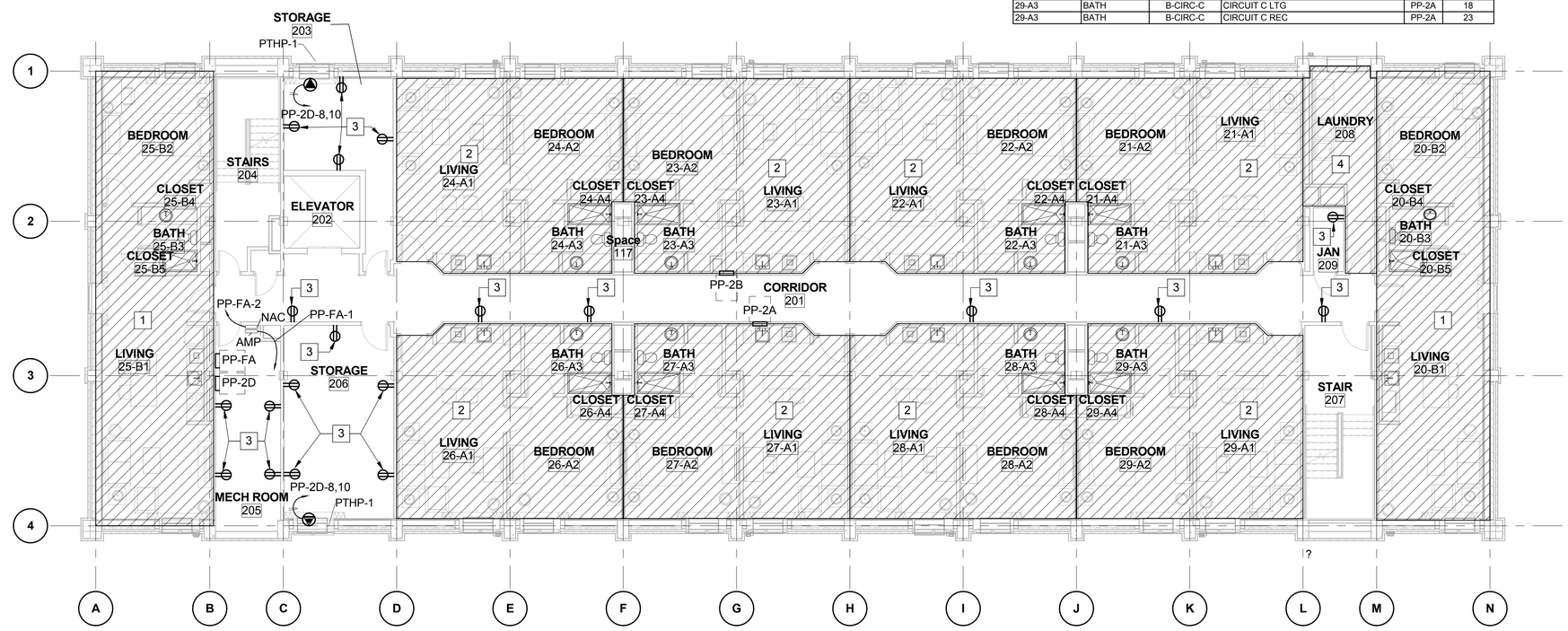
ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
20-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-2C	2
20-B1	LIVING	A-CIRC-B	CIRCUIT B	PP-2C	3
20-B1	LIVING	A-CIRC-A	CIRCUIT A	PP-2C	18
20-B1	LIVING	A-CIRC-D	CIRCUIT D	PP-2C	8
20-B1	LIVING	A-CIRC-E	CIRCUIT E	PP-2C	10,12
20-B1	LIVING	A-CIRC-PTACS	PTAC CIRCUIT	PP-2C	15,17
20-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-2C	2
20-B3	BATH	A-CIRC-D	CIRCUIT D	PP-2C	8
20-B3	BATH	A-CIRC-C	CIRCUIT C	PP-2C	8
20-B4	CLOSET	A-CIRC-C	CIRCUIT C	PP-2C	2
20-B4	CLOSET	A-CIRC-D	CIRCUIT D	PP-2C	8
20-B4	CLOSET	A-CIRC-PTACS	PTAC CIRCUIT	PP-2C	15,17
21-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-2B	8
21-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-2B	7
21-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-2B	2
21-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-2B	6
21-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-2B	9,11
21-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-2B	13,15
21-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-2B	6
21-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-2B	8
21-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-2B	6
21-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-2B	13,15
21-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-2B	8
21-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-2B	6
22-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-2B	20
22-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-2B	16
22-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-2B	19
22-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-2B	25
22-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-2B	31,33
22-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-2B	26,28
22-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-2B	25
22-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-2B	20
22-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-2B	25
22-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-2B	26,28
22-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-2B	20
22-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-2B	25
23-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-2B	21
23-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-2B	17

SECOND FLOOR CIRCUITING SCHEDULE

ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
23-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-2B	14
23-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-2B	22
23-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-2B	34,36
23-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-2B	27,29
23-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-2B	22
23-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-2B	21
23-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-2B	22
23-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-2B	27,29
23-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-2B	21
23-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-2B	22
24-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-2B	18
24-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-2B	12
24-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-2B	10
24-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-2B	23
24-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-2B	35,37
24-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-2B	30,32
24-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-2B	23
24-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-2B	18
24-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-2B	23
24-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-2B	30,32
24-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-2B	18
24-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-2B	23
25-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-2D	5
25-B1	LIVING	A-CIRC-B	CIRCUIT B	PP-2D	1
25-B1	LIVING	A-CIRC-A	CIRCUIT A	PP-2D	3
25-B1	LIVING	A-CIRC-D	CIRCUIT D	PP-2D	4
25-B1	LIVING	A-CIRC-E	CIRCUIT E	PP-2D	9,11
25-B1	LIVING	A-CIRC-PTACS	PTAC CIRCUIT	PP-2D	12,14
25-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-2D	5
25-B3	BATH	A-CIRC-D	CIRCUIT D	PP-2D	4
25-B3	BATH	A-CIRC-C	CIRCUIT C	PP-2D	4
25-B4	CLOSET	A-CIRC-C	CIRCUIT C	PP-2D	5
25-B4	CLOSET	A-CIRC-D	CIRCUIT D	PP-2D	4
25-B4	CLOSET	A-CIRC-PTACS	PTAC CIRCUIT	PP-2D	12,14
26-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-2A	8
26-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-2A	2
26-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-2A	7

SECOND FLOOR CIRCUITING SCHEDULE

ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
26-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-2A	6
26-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-2A	9,11
26-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-2A	13,15
26-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-2A	6
26-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-2A	8
26-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-2A	6
26-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-2A	13,15
26-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-2A	8
26-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-2A	6
27-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-2A	20
27-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-2A	16
27-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-2A	19
27-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-2A	25
27-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-2A	31,33
27-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-2A	26,28
27-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-2A	25
27-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-2A	20
27-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-2A	25
27-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-2A	26,28
27-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-2A	20
27-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-2A	25
28-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-2A	21
28-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-2A	17
28-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-2A	14
28-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-2A	22
28-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-2A	34,36
28-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-2A	27,29
28-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-2A	22
28-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-2A	21
28-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-2A	22
28-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-2A	27,29
28-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-2A	21
28-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-2A	22
29-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-2A	18
29-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-2A	12
29-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-2A	10
29-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-2A	23
29-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-2A	35,37
29-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-2A	30,32
29-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-2A	23
29-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-2A	18
29-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-2A	23
29-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-2A	30,32
29-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-2A	18
29-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-2A	23



PLAN NORTH

ELECTRICAL POWER PLAN - 2ND FLOOR

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THIS SHEET SHALL READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS.
2. DRAWINGS ARE BASED ON EXISTING BUILDING DOCUMENTS AND FIELD OBSERVATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCMENT OF WORK.
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.
4. SEE ENLARGED PLANS, SHEETS E-401 AND E-402 FOR POWER IN TYPICAL SUITES.

KEY NOTES:

1. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "A" - NEW WORK" SHEET E-401 FOR MORE DETAIL.
2. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "B" - NEW WORK" SHEET E-402 FOR MORE DETAIL.
3. EXISTING DEVICES REMOVED UNDER DEMOLITION. PROVIDE NEW DEVICE IN EXISTING LOCATION, RE-USING ALL EXISTING INFRASTRUCTURE. SEE "ED101 - ELECTRICAL DEMOLITION PLAN - 1ST FLOOR" FOR FURTHER DETAIL.

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
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CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
RENOVATION OF BUILDING 678
ELECTRICAL POWER PLAN - 2ND FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722121
SHEET 135 OF 177
EP102

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87397-NGISB678\Models\MEP\87397_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:53 AM

THIRD FLOOR CIRCUITING SCHEDULE

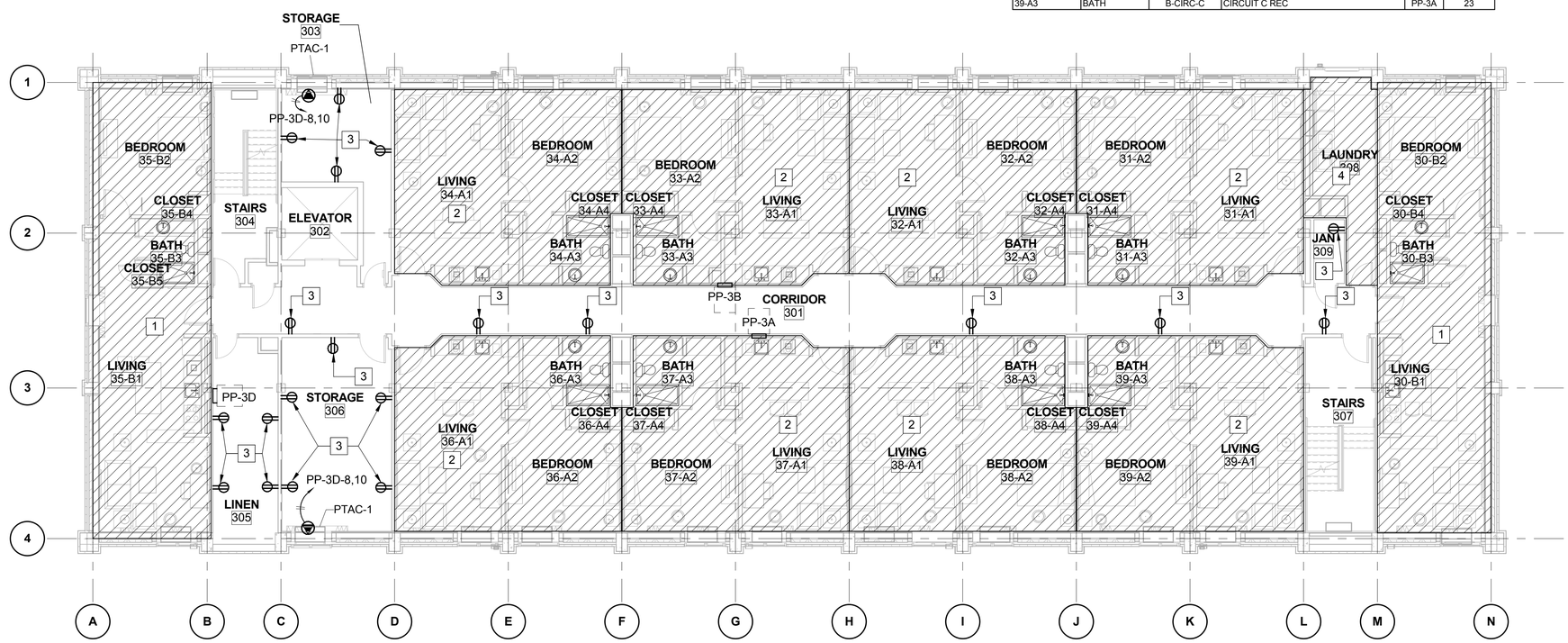
ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
30-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-3C	2
30-B1	LIVING	A-CIRC-B	CIRCUIT B	PP-3C	3
30-B1	LIVING	A-CIRC-A	CIRCUIT A	PP-3C	18
30-B1	LIVING	A-CIRC-D	CIRCUIT D	PP-3C	8
30-B1	LIVING	A-CIRC-E	CIRCUIT E	PP-3C	10,12
30-B1	LIVING	A-CIRC-PTACS	PTAC CIRCUIT	PP-3C	15,17
30-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-3C	2
30-B3	BATH	A-CIRC-D	CIRCUIT D	PP-3C	8
30-B3	BATH	A-CIRC-C	CIRCUIT C	PP-3C	8
30-B4	CLOSET	A-CIRC-C	CIRCUIT C	PP-3C	2
30-B4	CLOSET	A-CIRC-D	CIRCUIT D	PP-3C	8
30-B4	CLOSET	A-CIRC-PTACS	PTAC CIRCUIT	PP-3C	15,17
31-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-3B	8
31-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-3B	2
31-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-3B	7
31-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-3B	6
31-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-3B	9,11
31-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-3B	13,15
31-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-3B	6
31-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-3B	8
31-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-3B	6
31-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-3B	13,15
31-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-3B	8
31-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-3B	6
32-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-3B	20
32-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-3B	16
32-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-3B	19
32-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-3B	25
32-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-3B	31,33
32-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-3B	26,28
32-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-3B	25
32-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-3B	20
32-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-3B	25
32-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-3B	26,28
32-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-3B	20
32-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-3B	25
33-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-3B	21
33-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-3B	17

THIRD FLOOR CIRCUITING SCHEDULE

ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
33-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-3B	14
33-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-3B	22
33-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-3B	34,36
33-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-3B	27,29
33-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-3B	22
33-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-3B	21
33-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-3B	22
33-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-3B	27,29
33-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-3B	21
33-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-3B	22
34-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-3B	18
34-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-3B	12
34-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-3B	10
34-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-3B	23
34-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-3B	35,37
34-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-3B	30,32
34-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-3B	23
34-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-3B	18
34-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-3B	23
34-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-3B	30,32
34-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-3B	18
34-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-3B	23
35-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-3D	5
35-B1	LIVING	A-CIRC-B	CIRCUIT B	PP-3D	1
35-B1	LIVING	A-CIRC-A	CIRCUIT A	PP-3D	3
35-B1	LIVING	A-CIRC-D	CIRCUIT D	PP-3D	4
35-B1	LIVING	A-CIRC-E	CIRCUIT E	PP-3D	9,11
35-B1	LIVING	A-CIRC-PTACS	PTAC CIRCUIT	PP-3D	12,14
35-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-3D	5
35-B3	BATH	A-CIRC-D	CIRCUIT D	PP-3D	4
35-B3	BATH	A-CIRC-C	CIRCUIT C	PP-3D	4
35-B4	CLOSET	A-CIRC-C	CIRCUIT C	PP-3D	5
35-B4	CLOSET	A-CIRC-D	CIRCUIT D	PP-3D	4
35-B4	CLOSET	A-CIRC-PTACS	PTAC CIRCUIT	PP-3D	12,14
36-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-3A	8
36-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-3A	2
36-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-3A	7
36-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-3A	6

THIRD FLOOR CIRCUITING SCHEDULE

ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
36-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-3A	9,11
36-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-3A	13,15
36-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-3A	6
36-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-3A	8
36-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-3A	6
36-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-3A	13,15
36-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-3A	8
36-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-3A	6
37-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-3A	20
37-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-3A	16
37-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-3A	19
37-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-3A	25
37-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-3A	31,33
37-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-3A	26,28
37-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-3A	25
37-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-3A	20
37-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-3A	25
37-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-3A	26,28
37-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-3A	20
37-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-3A	25
38-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-3A	21
38-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-3A	14
38-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-3A	17
38-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-3A	22
38-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-3A	34,36
38-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-3A	27,29
38-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-3A	22
38-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-3A	21
38-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-3A	22
38-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-3A	27,29
38-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-3A	21
38-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-3A	22
39-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-3A	18
39-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-3A	12
39-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-3A	10
39-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-3A	23
39-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-3A	35,37
39-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-3A	30,32
39-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-3A	23
39-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-3A	18
39-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-3A	23
39-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-3A	30,32
39-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-3A	18
39-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-3A	23



PLAN NORTH

ELECTRICAL POWER PLAN - 3RD FLOOR

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THIS SHEET SHALL READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS.
2. DRAWINGS ARE BASED ON EXISTING BUILDING DOCUMENTS AND FIELD OBSERVATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCMENT OF WORK.
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.
4. SEE ENLARGED PLANS, SHEETS E-401 AND E-402 FOR POWER IN TYPICAL SUITES.

KEY NOTES:

1. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "A" - NEW WORK" SHEET E-401 FOR MORE DETAIL.
2. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "B" - NEW WORK" SHEET E-402 FOR MORE DETAIL.
3. EXISTING DEVICES REMOVED UNDER DEMOLITION. PROVIDE NEW DEVICE IN EXISTING LOCATION, RE-USING ALL EXISTING INFRASTRUCTURE. SEE "ED101 - ELECTRICAL DEMOLITION PLAN - 1ST FLOOR" FOR FURTHER DETAIL.

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO.

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT,NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND - MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
RENOVATION OF BUILDING 678
ELECTRICAL POWER PLAN - 3RD FLOOR

SCALE:	AS NOTED
EPROJECT NO.	1382693
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12722122
SHEET	136 OF 177

EP103

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REVDATE: 5/3/2016 8:43:56 AM

FOURTH FLOOR CIRCUITING SCHEDULE

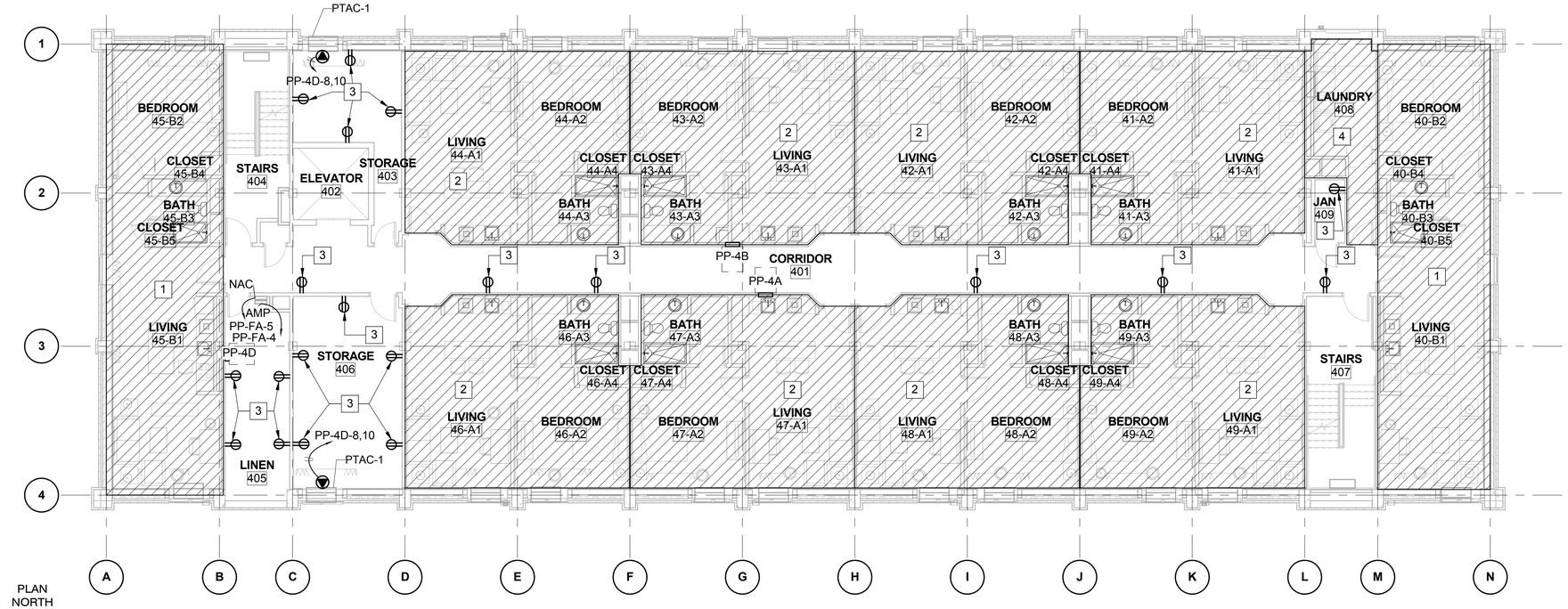
ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
40-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-4C	2
40-B1	LIVING	A-CIRC-B	CIRCUIT B	PP-4C	3
40-B1	LIVING	A-CIRC-A	CIRCUIT A	PP-4C	18
40-B1	LIVING	A-CIRC-D	CIRCUIT D	PP-4C	8
40-B1	LIVING	A-CIRC-E	CIRCUIT E	PP-4C	10,12
40-B1	LIVING	A-CIRC-PTACS	PTAC CIRCUIT	PP-4C	15,17
40-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-4C	2
40-B3	BATH	A-CIRC-D	CIRCUIT D	PP-4C	8
40-B3	BATH	A-CIRC-C	CIRCUIT C	PP-4C	8
40-B4	CLOSET	A-CIRC-C	CIRCUIT C	PP-4C	2
40-B4	CLOSET	A-CIRC-D	CIRCUIT D	PP-4C	8
40-B4	CLOSET	A-CIRC-PTACS	PTAC CIRCUIT	PP-4C	15,17
41-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-4B	8
41-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-4B	7
41-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-4B	2
41-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-4B	6
41-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-4B	9,11
41-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-4B	13,15
41-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-4B	6
41-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-4B	8
41-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-4B	6
41-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-4B	13,15
41-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-4B	8
41-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-4B	6
42-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-4B	20
42-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-4B	19
42-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-4B	16
42-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-4B	25
42-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-4B	31,33
42-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-4B	26,28
42-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-4B	25
42-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-4B	20
42-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-4B	25
42-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-4B	26,28
42-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-4B	20
42-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-4B	25
43-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-4B	21
43-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-4B	17
43-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-4B	14
43-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-4B	22

FOURTH FLOOR CIRCUITING SCHEDULE

ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
43-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-4B	34,36
43-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-4B	27,29
43-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-4B	22
43-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-4B	21
43-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-4B	22
43-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-4B	27,29
43-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-4B	21
43-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-4B	22
44-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-4B	18
44-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-4B	12
44-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-4B	10
44-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-4B	23
44-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-4B	35,37
44-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-4B	30,32
44-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-4B	23
44-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-4B	18
44-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-4B	23
44-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-4B	30,32
44-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-4B	18
44-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-4B	23
45-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-4D	5
45-B1	LIVING	A-CIRC-B	CIRCUIT B	PP-4D	1
45-B1	LIVING	A-CIRC-A	CIRCUIT A	PP-4D	3
45-B1	LIVING	A-CIRC-D	CIRCUIT D	PP-4D	4
45-B1	LIVING	A-CIRC-E	CIRCUIT E	PP-4D	9,11
45-B1	LIVING	A-CIRC-PTACS	PTAC CIRCUIT	PP-4D	12,14
45-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-4D	5
45-B3	BATH	A-CIRC-D	CIRCUIT D	PP-4D	4
45-B3	BATH	A-CIRC-C	CIRCUIT C	PP-4D	4
45-B4	CLOSET	A-CIRC-C	CIRCUIT C	PP-4D	5
45-B4	CLOSET	A-CIRC-D	CIRCUIT D	PP-4D	4
45-B4	CLOSET	A-CIRC-PTACS	PTAC CIRCUIT	PP-4D	12,14
46-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-4A	10
46-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-4A	4
46-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-4A	9
46-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-4A	6
46-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-4A	12,14
46-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-4A	13,15
46-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-4A	6
46-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-4A	10

FOURTH FLOOR CIRCUITING SCHEDULE

ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
46-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-4A	6
46-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-4A	13,15
46-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-4A	10
46-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-4A	6
47-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-4A	20
47-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-4A	19
47-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-4A	21
47-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-4A	25
47-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-4A	32,34
47-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-4A	26,28
47-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-4A	25
47-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-4A	20
47-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-4A	25
47-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-4A	26,28
47-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-4A	20
47-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-4A	25
48-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-4A	22
48-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-4A	8
48-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-4A	17
48-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-4A	27
48-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-4A	39,41
48-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-4A	33,35
48-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-4A	27
48-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-4A	22
48-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-4A	27
48-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-4A	33,35
48-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-4A	22
48-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-4A	27
49-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-4A	18
49-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-4A	16
49-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-4A	11
49-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-4A	23
49-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-4A	36,38
49-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-4A	29,31
49-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-4A	23
49-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-4A	18
49-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-4A	23
49-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-4A	29,31
49-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-4A	18
49-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-4A	23



PLAN NORTH

ELECTRICAL POWER PLAN - 4TH FLOOR

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THIS SHEET SHALL READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS.
2. DRAWINGS ARE BASED ON EXISTING BUILDING DOCUMENTS AND FIELD OBSERVATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCMENT OF WORK.
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.
4. SEE ENLARGED PLANS, SHEETS E-401 AND E-402 FOR POWER IN TYPICAL SUITES.

KEY NOTES:

1. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "A" - NEW WORK" SHEET E-401 FOR MORE DETAIL.
2. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "B" - NEW WORK" SHEET E-402 FOR MORE DETAIL.
3. EXISTING DEVICES REMOVED UNDER DEMOLITION. PROVIDE NEW DEVICE IN EXISTING LOCATION, RE-USING ALL EXISTING INFRASTRUCTURE. SEE "ED101 - ELECTRICAL DEMOLITION PLAN - 1ST FLOOR" FOR FURTHER DETAIL.
4. SEE "ENLARGED PLAN TYPICAL LAUNDRY - POWER" SHEET E-403 FOR MORE DETAIL.

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM/BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
RENOVATION OF BUILDING 678
ELECTRICAL POWER PLAN - 4TH FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722123
SHEET 137 OF 177
EP104

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87397-NGISB678\Models\MEP\87397_E_jccashwell.rvt
REVDATE: 5/3/2016 9:44:00 AM

FIFTH FLOOR CIRCUITING SCHEDULE

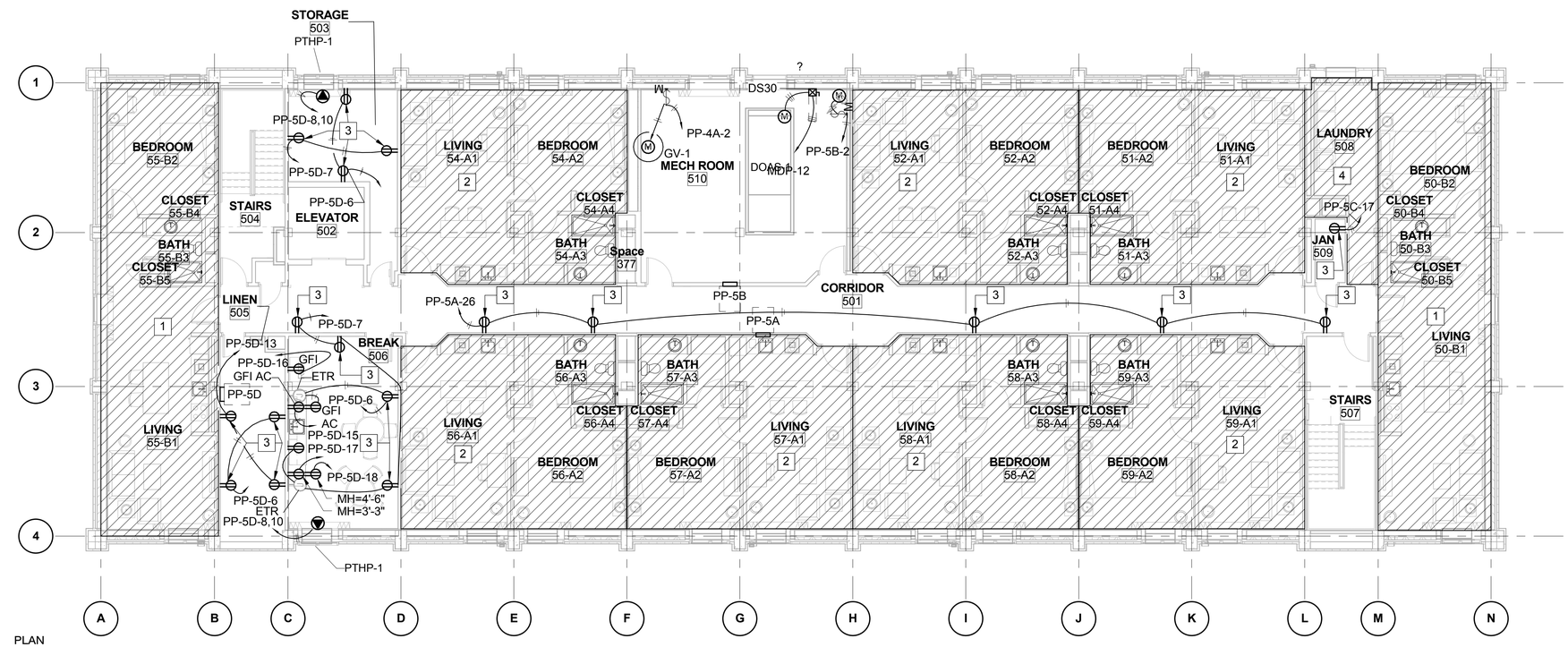
ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
50-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-5C	3
50-B1	LIVING	A-CIRC-B	CIRCUIT B	PP-5C	9
50-B1	LIVING	A-CIRC-A	CIRCUIT A	PP-5C	12
50-B1	LIVING	A-CIRC-D	CIRCUIT D	PP-5C	4
50-B1	LIVING	A-CIRC-E	CIRCUIT E	PP-5C	14,16
50-B1	LIVING	A-CIRC-PTACS	PTAC CIRCUIT	PP-5C	20,22
50-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-5C	3
50-B3	BATH	A-CIRC-D	CIRCUIT D	PP-5C	4
50-B3	BATH	A-CIRC-C	CIRCUIT C	PP-5C	4
50-B4	CLOSET	A-CIRC-C	CIRCUIT C	PP-5C	3
50-B4	CLOSET	A-CIRC-D	CIRCUIT D	PP-5C	4
50-B4	CLOSET	A-CIRC-PTACS	PTAC CIRCUIT	PP-5C	20,22
51-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-5C	5
51-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-5C	18
51-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-5C	15
51-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-5C	2
51-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-5C	21,23
51-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-5C	11,13
51-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-5C	2
51-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-5C	5
51-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-5C	2
51-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-5C	11,13
51-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-5C	5
51-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-5C	2
52-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-5B	8
52-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-5B	6
52-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-5B	20
52-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-5B	9
52-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-5B	16,18
52-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-5B	13,15
52-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-5B	9
52-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-5B	8
52-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-5B	9
52-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-5B	13,15
52-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-5B	8
52-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-5B	9
54-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-5B	4

FIFTH FLOOR CIRCUITING SCHEDULE

ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
54-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-5B	10
54-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-5B	23
54-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-5B	11
54-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-5B	17,19
54-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-5B	12,14
54-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-5B	11
54-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-5B	4
54-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-5B	11
54-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-5B	12,14
54-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-5B	4
54-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-5B	11
55-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-5D	5
55-B1	LIVING	A-CIRC-B	CIRCUIT B	PP-5D	1
55-B1	LIVING	A-CIRC-A	CIRCUIT A	PP-5D	3
55-B1	LIVING	A-CIRC-D	CIRCUIT D	PP-5D	4
55-B1	LIVING	A-CIRC-E	CIRCUIT E	PP-5D	9,11
55-B1	LIVING	A-CIRC-PTACS	PTAC CIRCUIT	PP-5D	12,14
55-B1	LIVING	A-CIRC-C	CIRCUIT C	PP-5D	5
55-B3	BATH	A-CIRC-D	CIRCUIT D	PP-5D	4
55-B3	BATH	A-CIRC-C	CIRCUIT C	PP-5D	4
55-B4	CLOSET	A-CIRC-C	CIRCUIT C	PP-5D	5
55-B4	CLOSET	A-CIRC-D	CIRCUIT D	PP-5D	4
55-B4	CLOSET	A-CIRC-PTACS	PTAC CIRCUIT	PP-5D	12,14
56-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-5A	4
56-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-5A	7
56-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-5A	2
56-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-5A	8
56-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-5A	10,12
56-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-5A	11,13
56-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-5A	8
56-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-5A	4
56-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-5A	8
56-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-5A	11,13
56-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-5A	4
56-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-5A	8

FIFTH FLOOR CIRCUITING SCHEDULE

ROOM NUMBER	ROOM NAME	CIRCUIT ID	DESCRIPTION	PANEL	CIRCUIT NUMBER
57-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-5A	20
57-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-5A	19
57-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-5A	15
57-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-5A	25
57-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-5A	37,39
57-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-5A	31,33
57-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-5A	25
57-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-5A	20
57-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-5A	25
57-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-5A	31,33
57-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-5A	20
57-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-5A	25
58-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-5A	16
58-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-5A	14
58-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-5A	17
58-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-5A	21
58-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-5A	27,29
58-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-5A	22,24
58-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-5A	21
58-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-5A	16
58-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-5A	21
58-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-5A	22,24
58-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-5A	16
58-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-5A	21
59-A1	LIVING	B-CIRC-D	CIRCUIT D	PP-5A	18
59-A1	LIVING	B-CIRC-A	CIRCUIT A	PP-5A	6
59-A1	LIVING	B-CIRC-B	CIRCUIT B	PP-5A	9
59-A1	LIVING	B-CIRC-C	CIRCUIT C REC	PP-5A	23
59-A1	LIVING	B-CIRC-E	CIRCUIT E	PP-5A	36,38
59-A1	LIVING	B-CIRC-PTACS	PTAC CIRCUIT	PP-5A	30,32
59-A1	LIVING	B-CIRC-C	CIRCUIT C LTG	PP-5A	23
59-A2	BEDROOM	B-CIRC-D	CIRCUIT D	PP-5A	18
59-A2	BEDROOM	B-CIRC-C	CIRCUIT C REC	PP-5A	23
59-A2	BEDROOM	B-CIRC-PTACS	PTAC CIRCUIT	PP-5A	30,32
59-A3	BATH	B-CIRC-C	CIRCUIT C LTG	PP-5A	18
59-A3	BATH	B-CIRC-C	CIRCUIT C REC	PP-5A	23



PLAN NORTH

ELECTRICAL POWER PLAN - 5TH FLOOR

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

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3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.
4. SEE ENLARGED PLANS, SHEETS E-401 AND E-402 FOR POWER IN TYPICAL SUITES.

KEY NOTES:

1. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "A" - NEW WORK" SHEET E-401 FOR MORE DETAIL.
2. SEE ENLARGED PLAN "TYPICAL UNIT TYPE "B" - NEW WORK" SHEET E-402 FOR MORE DETAIL.
3. EXISTING DEVICES REMOVED UNDER DEMOLITION. PROVIDE NEW DEVICE IN EXISTING LOCATION, RE-USING ALL EXISTING INFRASTRUCTURE. SEE "ED101 - ELECTRICAL DEMOLITION PLAN - 1ST FLOOR" FOR FURTHER DETAIL.

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
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FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTAN (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES	JCC	DRW	JCH	CHK	TED
PM / DM	MLW/LEJ				
BRANCH MANAGER					
CHIEF ENG/ARCH		DWG			
FIRE PROTECTION					

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL POWER PLAN - 5TH FLOOR

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722124
SHEET 138 OF 177

EP105

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87397-NGISB678\Models\MEP\87397_E_jccashwell.rvt
REVDATE: 5/3/2016 9:44:03 AM

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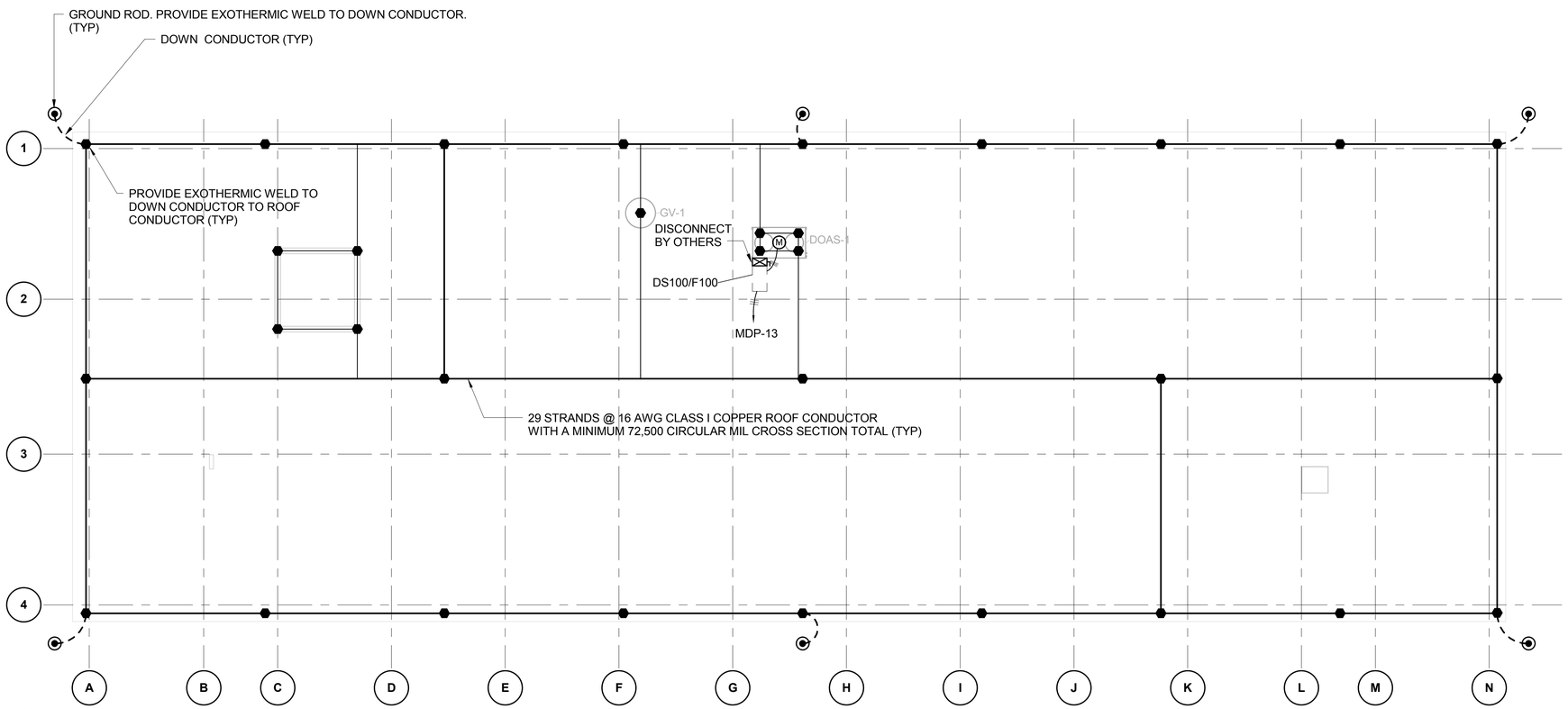
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.
4. SEE E-501 AND E-502 FOR ELECTRICAL GROUNDING DETAILS.



PLAN NORTH

ELECTRICAL POWER PLAN - ROOF

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE:

1/8" =1'-0" 0' 4' 8' 16'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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SATISFACTORY TO DATE 4/20/16

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PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ELECTRICAL POWER PLAN - ROOF

SCALE: **AS NOTED**
EPROJECT NO. **1382693**
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. **12722125**
SHEET **139** OF **177**

EP106

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REV/DATE: 5/3/2016 9:44:04 AM

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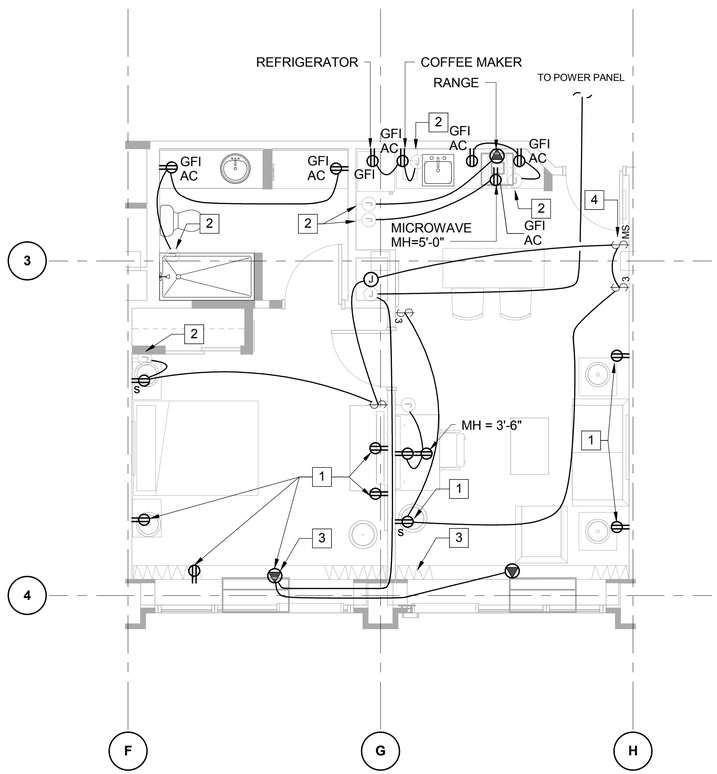
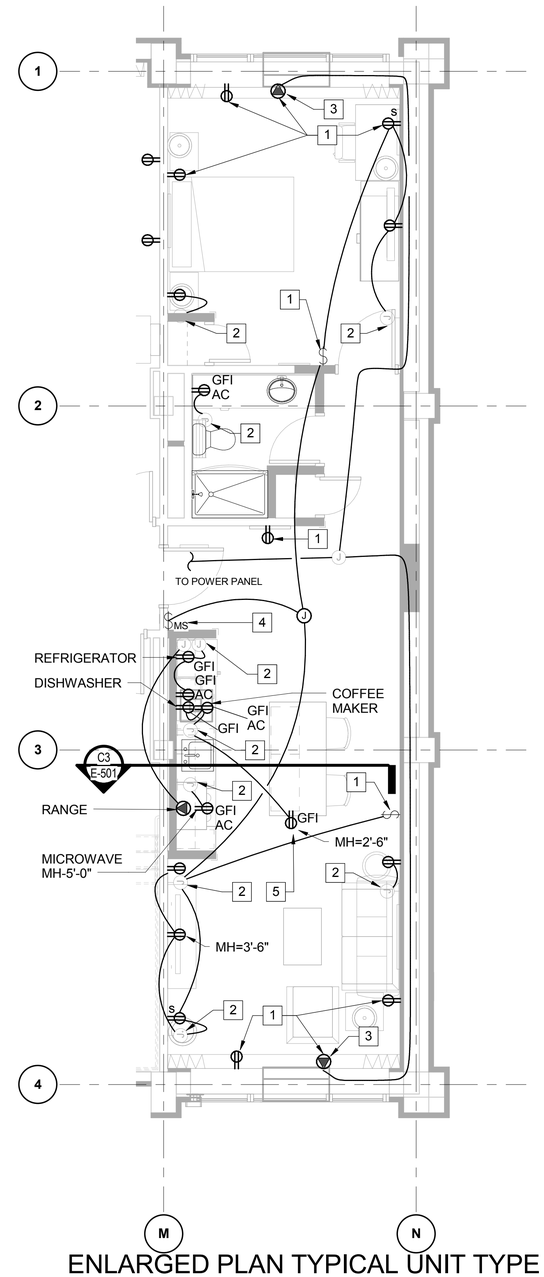
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES. SEE SHEET E-701 - E-709 FOR PANELBOARD SCHEDULES.



A3 ENLARGED PLAN - TYPICAL UNIT "A" - POWER
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. PROVIDE NEW DEVICE AS INDICATED AT EXISTING LOCATION. CONNECT NEW DEVICE TO EXISTING CIRCUIT.
2. CAPTURE EXISTING CIRCUIT AT MARKED JUNCTION BOX. PROVIDE CONDUITS, CONDUCTORS AND JUNCTION BOXES AS REQUIRED TO EXTEND CIRCUIT TO NEW DEVICE LOCATION. CONCEAL ALL CONDUITS IN EXISTING WALLS AND CEILINGS. PATCH AND FINISH WALLS AND CEILINGS TO MATCH ARCHITECTURAL FINISHES.
3. PROVIDE NEMA 6-15 RECEPTACLE IN EXISTING LOCATION FOR CONNECTION TO MECHANICAL UNIT. COORDINATE RECEPTACLE WITH MECHANICAL FINAL SELECTION.
4. PROVIDE ROOM MASTER OVERRIDE SWITCH TO CONTROL LIGHTING AND SPLIT WIRED RECEPTACLES IN SUITE. SEE DETAIL D1 SHEET E-701 FOR WIRING DIAGRAM. PROVIDE CONDUIT, JUNCTION BOXES AND CONDUCTORS AS REQUIRED. CONCEAL ALL CONDUIT IN WALLS OR ABOVE DROP CEILING. PATCH AND FINISH EXISTING WALLS AND CEILING TO MATCH ARCHITECTURAL FINISHES.



A1 ENLARGED PLAN TYPICAL UNIT TYPE "B" - POWER
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. PROVIDE NEW DEVICE AS INDICATED AT EXISTING LOCATION. CONNECT NEW DEVICE TO EXISTING CIRCUIT.
2. CAPTURE EXISTING CIRCUIT AT MARKED JUNCTION BOX. PROVIDE CONDUIT, CONDUCTORS AND JUNCTION BOXES AS REQUIRED TO EXTEND CIRCUIT TO NEW DEVICE LOCATION. CONCEAL ALL CONDUITS IN EXISTING WALLS AND CEILINGS. PATCH AND FINISH WALLS AND CEILINGS TO MATCH ARCHITECTURAL FINISHES.
3. PROVIDE NEMA 6-15 RECEPTACLE IN EXISTING LOCATION FOR CONNECTION TO MECHANICAL UNIT. COORDINATE RECEPTACLE WITH MECHANICAL FINAL SELECTION.
4. PROVIDE ROOM MASTER OVERRIDE SWITCH TO CONTROL LIGHTING AND SPLIT WIRED RECEPTACLES IN SUITE. SEE DETAIL D1 SHEET E-701 FOR WIRING DIAGRAM. PROVIDE CONDUIT, JUNCTION BOXES AND CONDUCTORS AS REQUIRED. CONCEAL ALL CONDUIT IN WALLS OR ABOVE DROP CEILING. PATCH AND FINISH EXISTING WALLS AND CEILING TO MATCH ARCHITECTURAL FINISHES.
5. PROVIDE RECESSED DUPLEX RECEPTACLE IN ISLAND CASEWORK. SEE DETAIL C3 SHEET E-501.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

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PM / DM MLW/LEJ
BRANCH MANAGER
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FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

ENLARGED PLANS

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722131
SHEET 145 OF 177

E-401

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REV/DATE: 5/3/2016 8:43:02 AM

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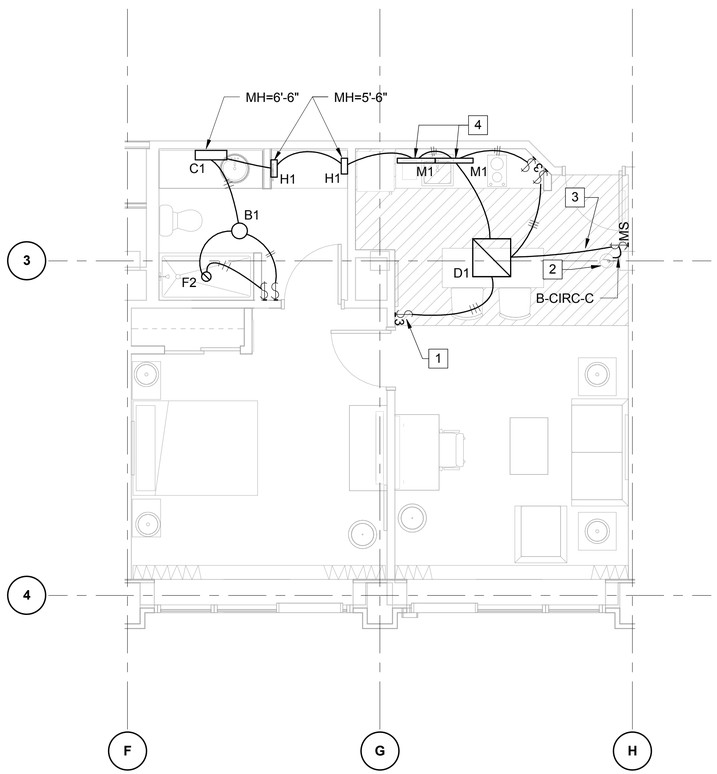
3. SEE E-001 AND E-002 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
4. SEE E-002 FOR LIGHTING SEQUENCE OF OPERATIONS.

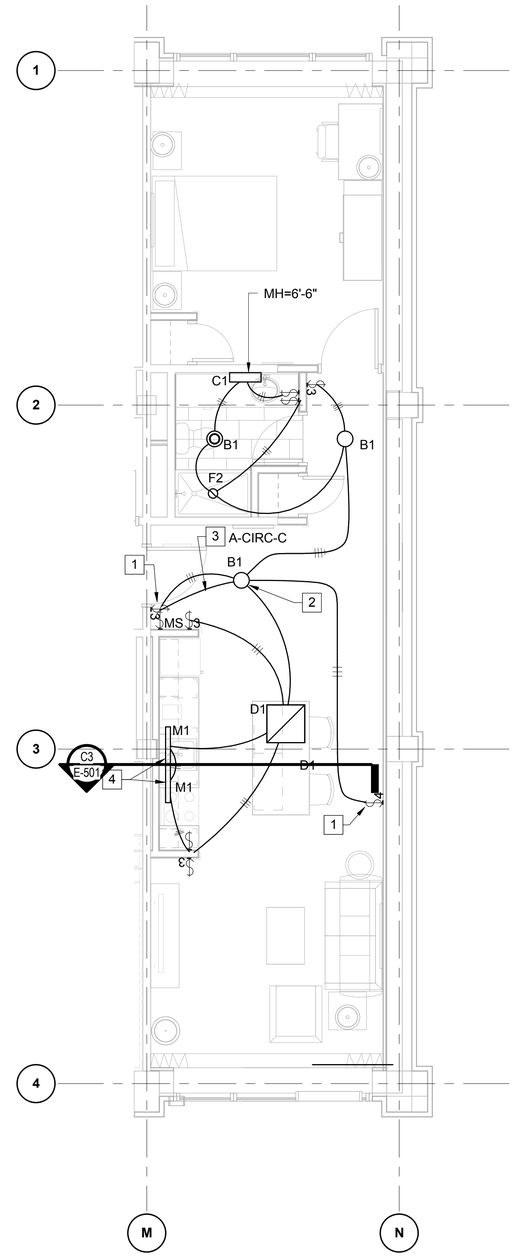


KEY NOTES:

1. PROVIDE NEW DEVICE AS INDICATED AT EXISTING LOCATION. CONNECT NEW DEVICE TO EXISTING CIRCUIT. PROVIDE CONDUIT AND CONDUCTORS AS REQUIRED TO COMPLETE LIGHTING CIRCUIT.
2. CAPTURE EXISTING CIRCUIT AT EXISTING JUNCTION BOX. PROVIDE CONDUCTORS AS REQUIRED TO EXTEND CIRCUIT TO NEW DEVICE LOCATION. PROVIDE CONDUIT, CONDUCTORS AND JUNCTION BOXES AS REQUIRED TO COMPLETE LIGHTING CIRCUIT. PATCH AND FINISH WALLS AND CEILINGS TO MATCH ARCHITECTURAL FINISHES.
3. CONNECT LIGHTING CIRCUIT INTO MASTER OVERRIDE SWITCH. SEE E-401 FOR LOCATION OF MASTER OVERRIDE SWITCH. PROVIDE CONDUIT, CONDUCTORS AND JUNCTION BOXES AS REQUIRED. CONCEAL ALL CONDUIT IN EXISTING WALL OR CEILING. PATCH AND FINISH EXISTING WALLS AND CEILING TO MATCH ARCHITECTURAL FINISHES.
4. MOUNT LIGHT FIXTURE TO UNDERSIDE OF UPPER CABINETS.

ENLARGED PLAN - TYPICAL UNIT "A" - LIGHTING

A1 SCALE: 1/4" = 1'-0"



KEY NOTES:

1. PROVIDE NEW DEVICE AS INDICATED AT EXISTING LOCATION. CONNECT NEW DEVICE TO EXISTING CIRCUIT. PROVIDE CONDUIT, CONDUCTORS AND JUNCTION BOXES AS REQUIRED TO COMPLETE LIGHTING CIRCUIT.
2. CAPTURE EXISTING CIRCUIT AT EXISTING JUNCTION BOX. PROVIDE CONDUCTORS AS REQUIRED TO EXTEND CIRCUIT TO NEW DEVICE LOCATION. PROVIDE CONDUIT, CONDUCTORS AND JUNCTION BOXES AS REQUIRED TO COMPLETE LIGHTING CIRCUIT. PATCH AND FINISH WALLS AND CEILINGS TO MATCH ARCHITECTURAL FINISHES.
3. CONNECT LIGHTING CIRCUIT INTO MASTER OVERRIDE SWITCH. SEE E-401 FOR LOCATION OF MASTER OVERRIDE SWITCH. PROVIDE CONDUIT, CONDUCTORS AND JUNCTION BOXES AS REQUIRED. CONCEAL ALL CONDUITS IN EXISTING WALLS OR CEILINGS. PATCH AND FINISH EXISTING WALLS AND CEILINGS TO MATCH ARCHITECTURAL FINISHES.
4. MOUNT LIGHT FIXTURE TO UNDERSIDE OF UPPER CABINETS.

ENLARGED PLAN TYPICAL UNIT TYPE "B" - LIGHTING

A3 SCALE: 1/4" = 1'-0"

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
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FOR COMMANDER NAVFAC

ACTIVITY
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SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED

PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION DPS

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND
RENOVATION OF BUILDING 678
ENLARGED PLANS

SCALE: **AS NOTED**
EPROJECT NO. **1382693**
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. **12722132**
SHEET **146** OF **177**
E-402

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jcashwell.rvt
REV/DATE: 5/3/2016 9:43:04 AM

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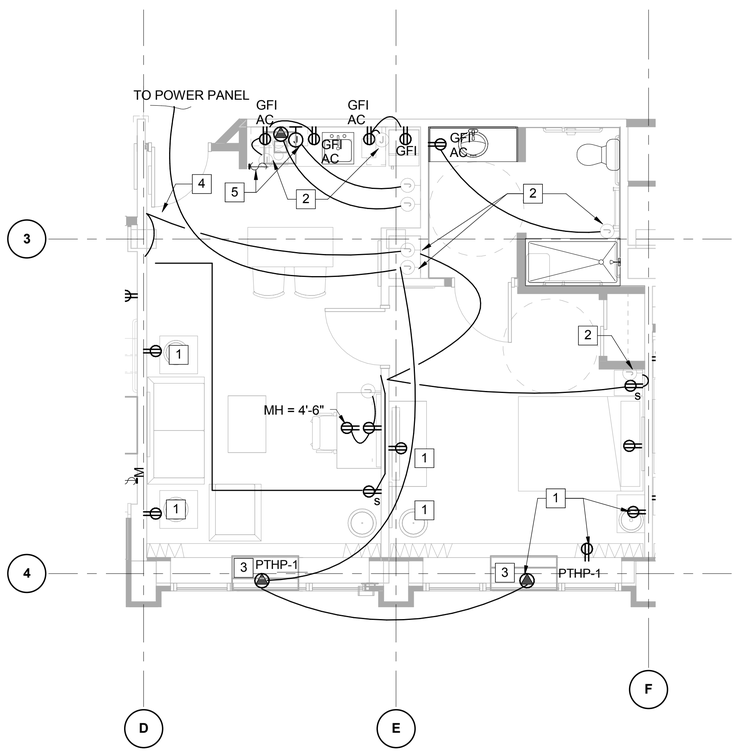
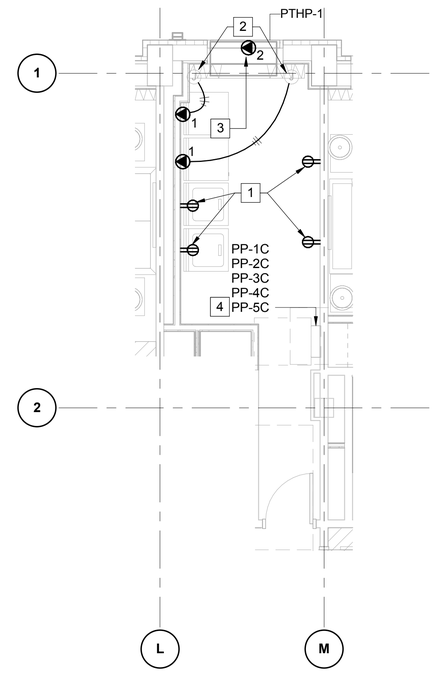


A1 ENLARGED PLAN - ADA SUITE - POWER
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. PROVIDE NEW DEVICE AS INDICATED AT EXISTING LOCATION. CONNECT NEW DEVICE TO EXISTING CIRCUIT.
2. CAPTURE EXISTING CIRCUIT AT MARKED JUNCTION BOX. PROVIDE CONDUITS, CONDUCTORS AND JUNCTION BOXES AS REQUIRED TO EXTEND CIRCUIT TO NEW DEVICE LOCATION. CONCEAL ALL CONDUITS IN EXISTING WALLS AND CEILINGS. PATCH AND FINISH WALLS AND CEILINGS TO MATCH ARCHITECTURAL FINISHES.
3. PROVIDE NEMA 6-15 RECEPTACLE IN EXISTING LOCATION FOR CONNECTION TO MECHANICAL UNIT. COORDINATE RECEPTACLE WITH MECHANICAL FINAL SELECTION.
4. PROVIDE ROOM MASTER OVERRIDE SWITCH TO CONTROL LIGHTING AND SPLIT WIRED RECEPTACLES IN SUITE. SEE DETAIL D1 SHEET E-701 FOR WIRING DIAGRAM. PROVIDE CONDUIT, JUNCTION BOXES AND CONDUCTORS AS REQUIRED. CONCEAL ALL CONDUIT IN WALLS OR ABOVE DROP CEILING. PATCH AND FINISH EXISTING WALLS AND CEILING TO MATCH ARCHITECTURAL FINISHES.
5. PROVIDE CONNECTION TO RANGE HOOD AND ASSOCIATED SWITCH AS INDICATED.



A3 ENLARGED PLAN TYPICAL LAUNDRY - POWER
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. PROVIDE NEW DEVICE AS INDICATED AT EXISTING LOCATION. CONNECT NEW DEVICE TO EXISTING CIRCUIT.
2. CAPTURE EXISTING CIRCUIT AT MARKED JUNCTION BOX. PROVIDE CONDUIT, CONDUCTORS AND JUNCTION BOXES AS REQUIRED TO EXTEND CIRCUIT TO NEW DEVICE LOCATION AS INDICATED. CONCEAL ALL CONDUIT IN EXISTING WALLS AND CEILINGS. PATCH AND FINISH WALLS AND CEILINGS TO MATCH ARCHITECTURAL FINISHES.
3. PROVIDE NEMA 6-15 RECEPTACLE FOR CONNECTION TO MECHANICAL UNIT. COORDINATE RECEPTACLE WITH MECHANICAL FINAL SELECTION. PROVIDE CONDUIT, CONDUCTORS AND JUNCTION BOXES AS REQUIRED. CONCEAL ALL CONDUITS IN EXISTING WALLS AND CEILINGS. PATCH AND FINISH EXISTING WALLS AND CEILINGS TO MATCH ARCHITECTURAL FINISHES.
4. TYPICAL PANELBOARD LOCATION. NUMBER INDATES BUILDING FLOOR.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO.

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

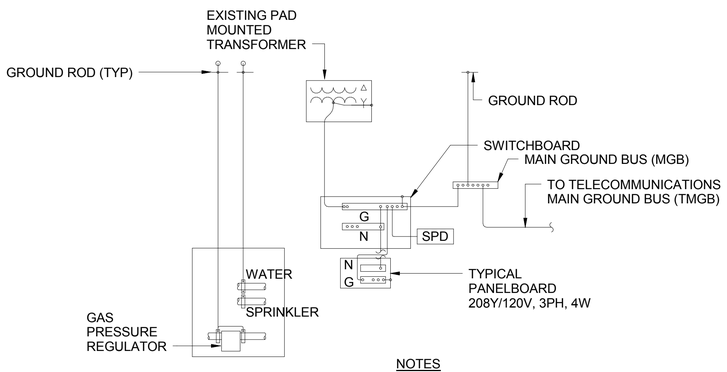
ENLARGED PLANS

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722133
SHEET 147 OF 177

E-403

DRAWFORM REVISION: 10 MAY 2014

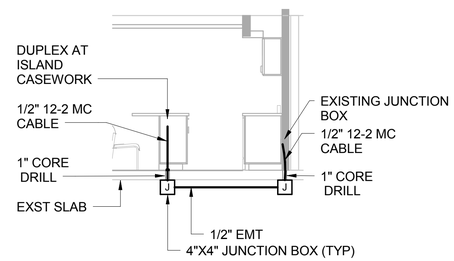
FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REV/DATE: 5/3/2016 8:43:06 AM



NOTES

1. SIZE ALL GROUND WIRES PER NEC.

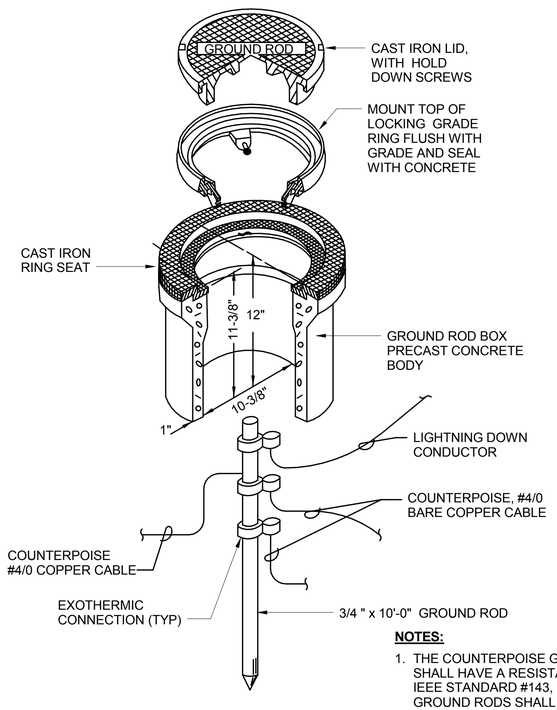
C1 TYPICAL GROUNDING DETAIL
SCALE: NOT TO SCALE



NOTES:

1. CONCEAL ALL CONDUIT IN WALL, IN SPACE ABOVE CEILING IN FLOOR BELOW AND CASEWORK.
2. PROVIDE 1" CORE DRILLS THROUGH SLAB FOR ROUTING OF CONDUIT.
3. COORDINATE WITH STRUCTURAL STEEL PRIOR TO CORE DRILLING THROUGH SLAB.
4. PROVIDE FIREPROOFING IN CORE DRILLS AS REQUIRED TO MAINTAIN FLOOR FIRE RATING.

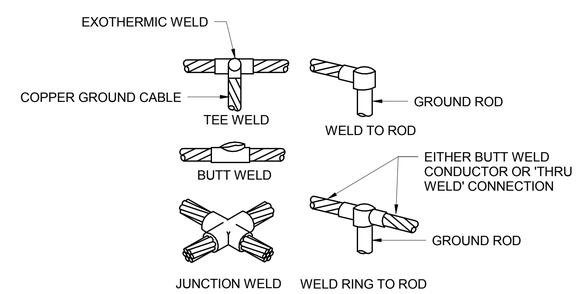
C3 ISLAND POWER DETAIL
SCALE: NOT TO SCALE



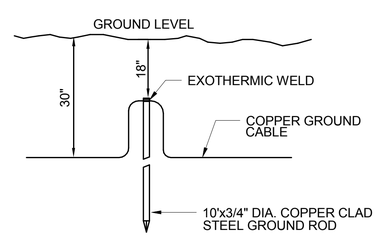
NOTES:

1. THE COUNTERPOISE GROUND RING OF THE FACILITY SHALL HAVE A RESISTANCE OF 5 OHMS OR LESS PER IEEE STANDARD #143, "GREEN BOOK". ADDITIONAL GROUND RODS SHALL BE DRIVEN AS REQUIRED TO ACHIEVE THE PROPER RESISTANCE.

A1 TYPICAL GROUND TEST WELL
SCALE: NOT TO SCALE



B3 TYPICAL EXOTHERMIC WELDS
SCALE: NOT TO SCALE



A3 TYPICAL GROUND ROD CONNECTION
SCALE: NOT TO SCALE

SYM	DESCRIPTION	DATE	APPR

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COMMONWEALTH OF VIRGINIA
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SUITE 160
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A/E INFO

APPROVED
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

DETAILS

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722134
SHEET 148 OF 177

E-501

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87397-NGISB678\Models\MEP\87397_E_jccashwell.rvt
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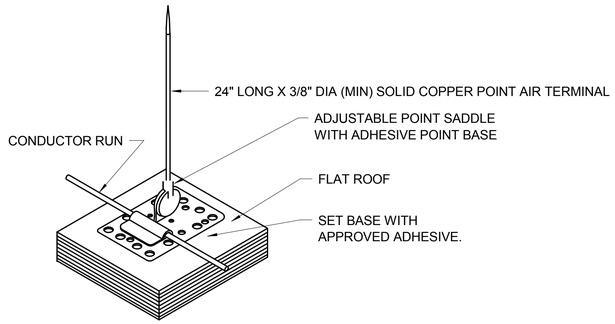
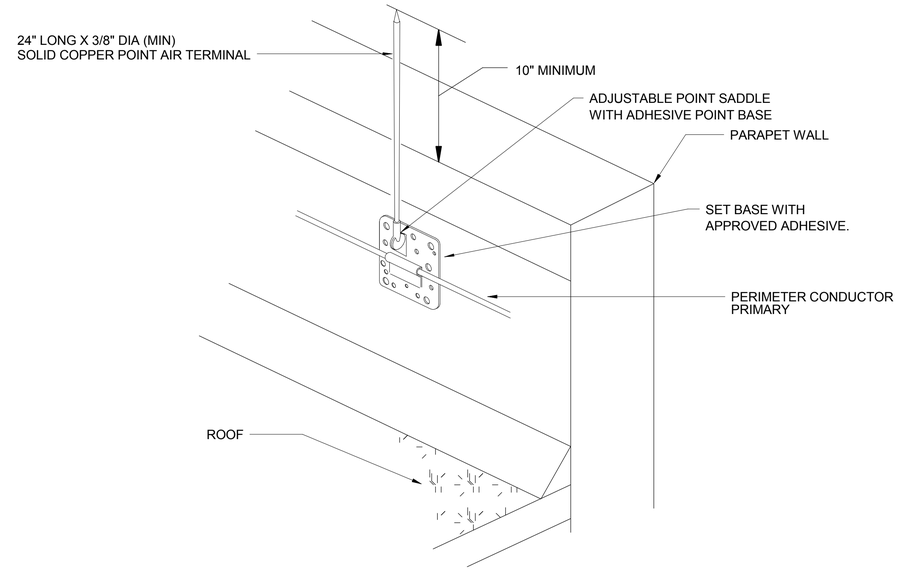


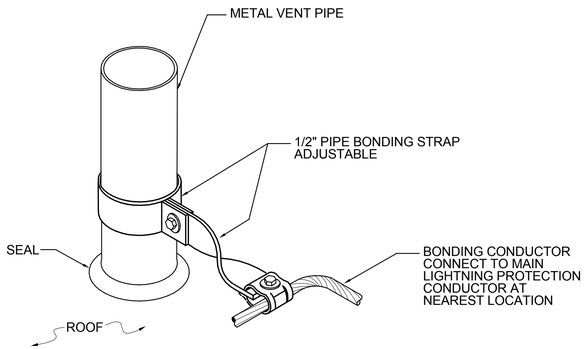
C1 LIGHTNING PROTECTION AIR TERMINAL DETAIL, TYP.

SCALE: NOT TO SCALE



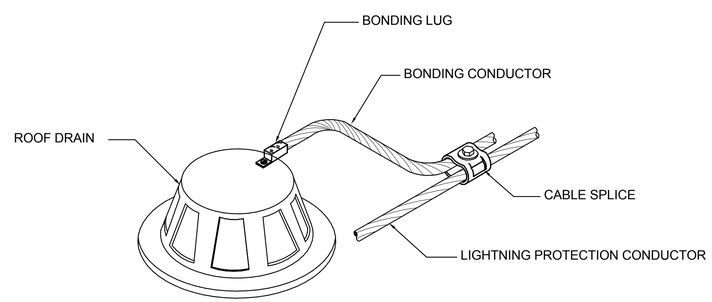
C2 TYPICAL AIR TERMINAL ON PARAPET

SCALE: NOT TO SCALE



B1 TYPICAL VENT PIPE BONDING DETAIL

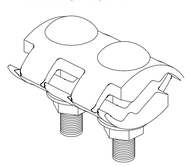
SCALE: NOT TO SCALE



B2 ROOF DRAING BONDING DETAIL

SCALE: NOT TO SCALE

TWO BOLT
PARALLEL SPLICER



USE TO SPLICE ROOF
CONDUCTOR
TO ROOF CONDUCTOR

A1 CABLE SPLICE

SCALE: NOT TO SCALE

SYM	DESCRIPTION	DATE	APPR

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CHESAPEAKE, VA 23320
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FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

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PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
RENOVATION OF BUILDING 678
DETAILS

SCALE: **AS NOTED**
EPROJECT NO. **1382693**
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. **12722135**
SHEET **149** OF **177**
E-502

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\97997-NGISB678\Models\MEP\97997_E_jccashwell.rvt
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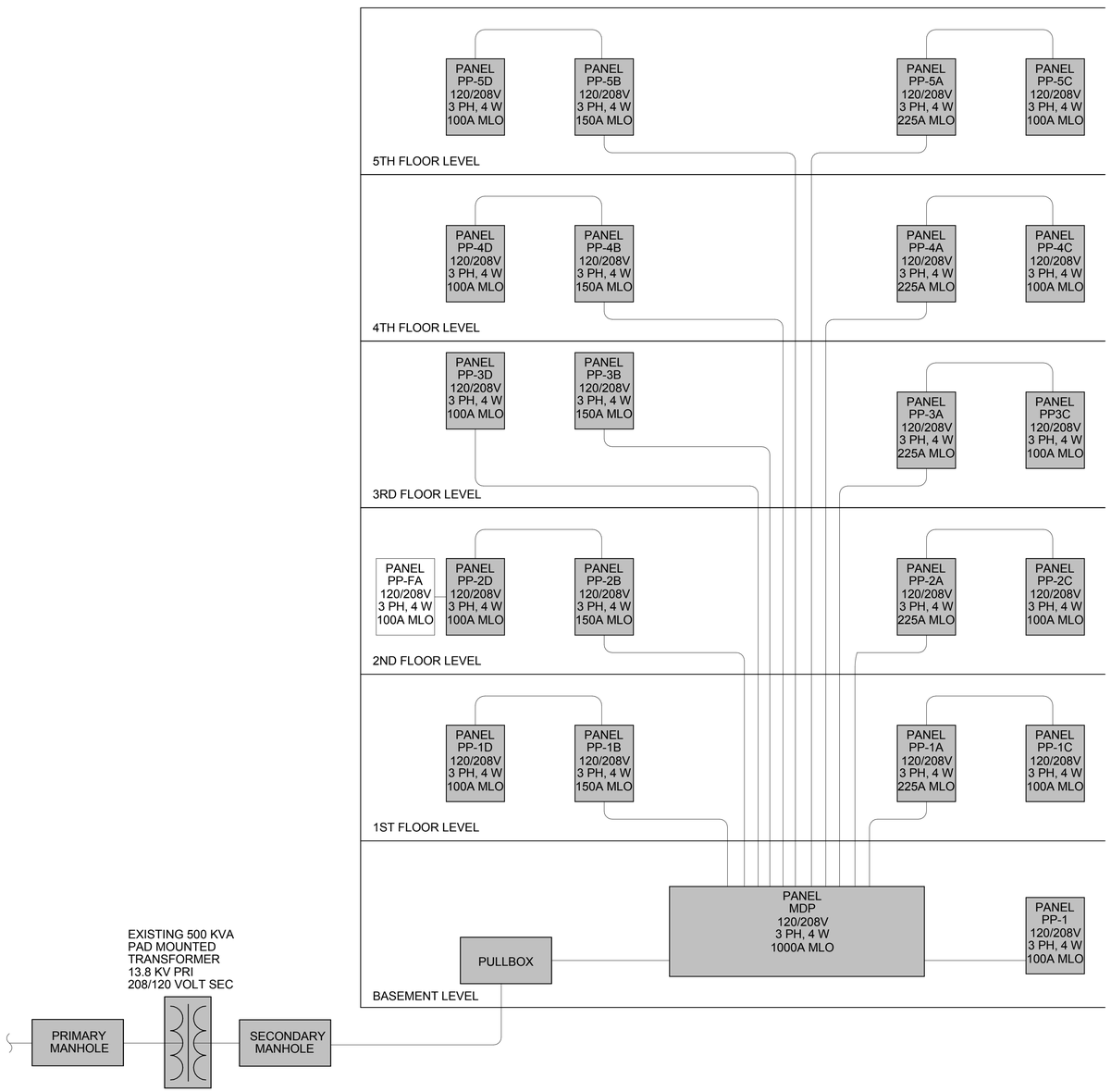

RISER DIAGRAM

SCALE: NOT TO SCALE

RISER LEGEND

EXISTING EQUIPMENT TO REMAIN

EXISTING FEEDERS TO REMAIN

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
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BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

RISER DIAGRAM

SCALE: **AS NOTED**
EPROJECT NO. **1382693**
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. **12722136**
SHEET **150** OF **177**

E-601

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jcashwell.rvt
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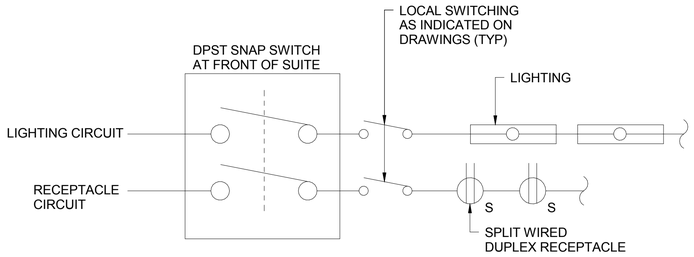

D1 TYPICAL SUITE MASTER CONTROL DIAGRAM

SCALE: NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

FIXTURE SYMBOL	LIGHTING PLATE No.	LAMP TYPE	VOLTAGE	MOUNTING	NOTES
B1	B1	LED	120 V	CEILING, SURFACE	
C1	D1	LED	120 V	SURFACE, WALL	
D1	D1	LED	120 V	CEILING, RECESSED	
F1	F1	LED	120 V	CEILING, RECESSED	
F2	F2	LED	120 V	CEILING, RECESSED	1,2,4
G1	G1	LED	120 V	CEILING, SURFACE	
G2	G2	LED	120 V	CEILING, SURFACE	
G3	G3	LED	120 V	CEILING, SURFACE	
H1	H1	LED	120 V	SURFACE, WALL	
J1	J1	LED	120 V	SURFACE, WALL	
K1	K1	LED	120 V	SURFACE, WALL	1,5,6
L1	L1	LED	120 V	SURFACE, WALL	
M1	M1	LED	120 V	SURFACE	
O1	O1	LED	120 V	SURFACE, WALL	
X1	NL-64	LED	120 V	CEILING, SURFACE	

NOTES:
1. PROVIDE STEP DIMMING BALLAST AS REQUIRED TO FACILITATE INDICATED LIGHTING CONTROLS.
2. UL WET LISTED.
3. PROVIDE DIRECTIONAL ARROWS FOR EXIT SIGNS WHERE INDICATED.
4. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT WITH EQUIPMENT IN THE SPACE. COORDINATE WITH DIV. 23, 26 AND 27 AS APPLICABLE.
5. PROVIDE EMERGENCY BATTERY PACK.
6. PROVIDE FIXTURE WITH INTEGRAL OCCUPANCY SENSOR.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
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5/4/16
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BURNS McDONNELL
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A/E INFO

APPROVED
David W Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT,NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED

PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

LIGHT FIXTURE SCHEDULE

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722137
SHEET 151 OF 177

E-701

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:09 AM

LUMINAIRE REQUIREMENTS:

1. HOUSING - DIE-FORMED STEEL
2. FINISH - PAINTED TO OFFER IDEAL AETHETICS
3. LENS - WHITE OPAL INJECTION MOLDED ACRYLIC
4. ELECTRONIC DRIVER - IES L80 PERFORMANCE FOR 50,000 HOURS MINIMUM. SOUND RATING "A" WITH LESS THAN 20% THD, MINIMUM 0.9 POWER FACTOR, INHERENT THERMAL PROTECTION, SHORT-CIRCUIT AND OVERLOAD PROTECTION, AND COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION.
5. CERTIFICATION - UL DAMP LOCATION LISTED AND LABELED
6. PHOTOMETRICS - MINIMUM VALUE OF COEFFICIENT OF UTILIZATION (CU), GIVEN INTERIOR CAVITY REFLECTANCES OF 80-50-20:

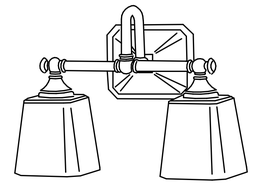
TYPE B1
NOMINAL 23W INPUT/
1,887 LUMENS

RCR	CU
1	1.04
2	0.94
3	0.86
4	0.78

LPW - 82
MINIMUM

16" LED DOME

REVISED: JANUARY 2014 | LIGHTING PLATE: TYPE: B1

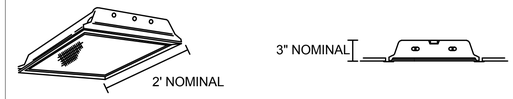


LUMINAIRE REQUIREMENTS:

1. FINISH - OIL RUBBED BRONZE
2. LENS - ETCHED CREAM GLASS.
3. DIMENSIONS - 10.25"H x 14"W x 6"D NOMINAL
4. LAMPS - PROVIDE WITH (2) A21/MEDIUM (E26) LED BULBS WITH A RATED OUTPUT OF 938 LUMENS EACH.
5. CERTIFICATION - UL LISTED AND LABELED FOR DAMP LOCATIONS

DECORATIVE VANITY

REVISED: JANUARY 2014 | LIGHTING PLATE: TYPE: C1



LUMINAIRE REQUIREMENTS:

1. HOUSING - DIE-FORMED, COLD-ROLLED STEEL. WITH REINFORCEMENT RIBS FOR ADDED RIGIDITY.
2. FINISH - MULTI-STAGE PHOSPHATE BONDING TREATMENT FINISHED WITH HIGH REFLECTANCE (MINIMUM 85%), BAKED WHITE ENAMEL FINISH.
3. LENS - 100% IMPACT MODIFIED ACRYLIC, #12 PATTERN MINIMUM OF 0.125" THICK
4. ELECTRONIC DRIVER - IES LM-80 PERFORMANCE FOR 60,000 HOURS MINIMUM. SOUND RATING "A" WITH LESS THAN 20% THD,MINIMUM 0.9 POWER FACTOR, INHERENT THERMAL PROTECTION, SHORT-CIRCUIT AND OVERLOAD PROTECTION, AND COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION. PROVIDE 0-10V DIMMING DRIVER FOR 5-100% DIMMING RANGE OR BI-LEVEL STEP-DIMMING IF INDICATED.
5. CERTIFICATION - UL LISTED AND LABELED
6. MOUNTING - SHALL HAVE T-BAR CLIPS FOR MOUNTING TO STANDARD 15/16" AND 9/16" T-GRID CEILING SYSTEMS.
7. PHOTOMETRICS - MINIMUM VALUE OF COEFFICIENT OF UTILIZATION (CU), GIVEN INTERIOR CAVITY REFLECTANCES OF 80-50-20:
8. OPTION - EMERGENCY BATTERY PACK (TYPE D2)

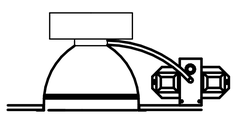
TYPE D1
NOMINAL 35W INPUT/
4,000 LUMENS

RCR	CU
1	1.10
2	1.01
3	0.93
4	0.86

LPW - 120
MINIMUM

RECESSED
2' X 2' LED VOLUMETRIC TROFFER - T-GRID

REVISED: JANUARY 2014 | LIGHTING PLATE: TYPE: D1, D2



LUMINAIRE REQUIREMENTS:

1. HOUSING - 16 GUAGE GALVANIZED STEEL CONSTRUCTION WITH "DEAD FRONT" DESIGN. LIGHT ENGINE AND DRIVER SHALL BE ACCESSIBLE THROUGH APERATURE.
2. FINISH - MULTI-STAGE PHOSPHATE BONDING TREATMENT FINISHED WITH HIGH REFLECTANCE (MINIMUM 85%), BAKED WHITE ENAMEL FINISH.
3. LENS - 100% IMPACT MODIFIED ACRYLIC.
4. ELECTRONIC DRIVER - IES L80 PERFORMANCE FOR 50,000 HOURS MINIMUM. SOUND RATING "A" WITH LESS THAN 20% THD, MINIMUM 0.9 POWER FACTOR, INHERENT THERMAL PROTECTION, SHORT-CIRCUIT AND OVERLOAD PROTECTION, AND COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION. PROVIDE 0-10V DIMMING DRIVER FOR 5-100% DIMMING RANGE OR BI-LEVEL STEP-DIMMING IF INDICATED.
5. CERTIFICATION - UL LISTED AND LABELED.
6. MOUNTING - TELESCOPIC MOUTNING BARS WITH A MAX CEILING THINKCNESS OF 1-1/2".
7. PHOTOMETRICS - MINIMUM VALUE OF COEFFICIENT OF UTILIZATION (CU), GIVEN INTERIOR CAVITY REFLECTANCES OF 80-50-20:

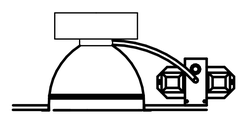
TYPE F1
NOMINAL 44W INPUT/
2,750 LUMENS

RCR	CU
1	1.09
2	1.00
3	0.92
4	0.85

LPW - 63
MINIMUM

6" LED DOWNLIGHT

REVISED: JANUARY 2014 | LIGHTING PLATE: TYPE: F1



LUMINAIRE REQUIREMENTS:

1. HOUSING - 16 GUAGE GALVANIZED STEEL CONSTRUCTION WITH "DEAD FRONT" DESIGN. LIGHT ENGINE AND DRIVER SHALL BE ACCESSIBLE THROUGH APERATURE.
2. FINISH - MULTI-STAGE PHOSPHATE BONDING TREATMENT FINISHED WITH HIGH REFLECTANCE (MINIMUM 85%), BAKED WHITE ENAMEL FINISH.
3. LENS - 100% IMPACT MODIFIED ACRYLIC.
4. ELECTRONIC DRIVER - IES L80 PERFORMANCE FOR 50,000 HOURS MINIMUM. SOUND RATING "A" WITH LESS THAN 20% THD, MINIMUM 0.9 POWER FACTOR, INHERENT THERMAL PROTECTION, SHORT-CIRCUIT AND OVERLOAD PROTECTION, AND COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION. PROVIDE 0-10V DIMMING DRIVER FOR 5-100% DIMMING RANGE OR BI-LEVEL STEP-DIMMING IF INDICATED.
5. CERTIFICATION - UL WET LISTED AND LABELED.
6. MOUNTING - TELESCOPIC MOUTNING BARS WITH A MAX CEILING THINKCNESS OF 1-1/2".
7. PHOTOMETRICS - MINIMUM VALUE OF COEFFICIENT OF UTILIZATION (CU), GIVEN INTERIOR CAVITY REFLECTANCES OF 80-50-20:

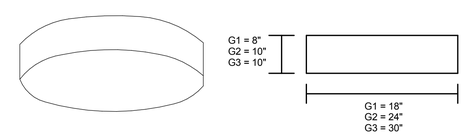
TYPE F2
NOMINAL 16W INPUT/
1,000 LUMENS

RCR	CU
1	1.09
2	1.00
3	0.92
4	0.85

LPW - 63
MINIMUM

6" WET LISTED LED DOWNLIGHT

REVISED: JANUARY 2014 | LIGHTING PLATE: TYPE: F2



LUMINAIRE REQUIREMENTS:

1. FINISH - STANDARD LAMINATED FABRIC IN A NATURAL COLOR SHADE.
2. LENS - HIGH TRANSMISSION WHITE OPAL ACRYLIC
3. ELECTRONIC DRIVER - IES L80 PERFORMANCE FOR 50,000 HOURS MINIMUM. SOUND RATING "A" WITH LESS THAN 20% THD, MINIMUM 0.9 POWER FACTOR, INHERENT THERMAL PROTECTION, SHORT-CIRCUIT AND OVERLOAD PROTECTION, AND COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION.
4. CERTIFICATION - UL LISTED AND LABELED
5. PHOTOMETRICS - MINIMUM VALUE OF COEFFICIENT OF UTILIZATION (CU), GIVEN INTERIOR CAVITY REFLECTANCES OF 80-50-20:

TYPE G1, G2, G3
NOMINAL 36W INPUT/
2,700 LUMENS

RCR	CU
1	0.79
2	0.72
3	0.66
4	0.61

LPW - 75
MINIMUM

LED ROUND DECORATIVE PENDANT

REVISED: JANUARY 2014 | LIGHTING PLATE: TYPE: G1, G2, G3

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W. Grunfield
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-T0 DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT,NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED

PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

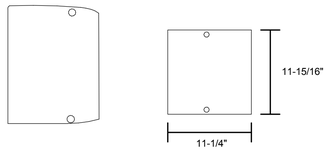
LIGHTING PLATES

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722138
SHEET 152 OF 177

E-702

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:10 AM

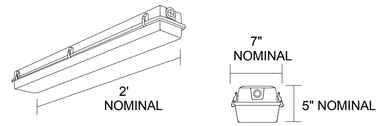


LUMINAIRE REQUIREMENTS:

1. CONSTRUCTION - STEEL
2. FINISH - PAINTED ANTIQUE BRONZE
3. LENS - WHITE GLASS
4. LIFE - 60,000 HOURS (L70/TM-21)
5. EMI/RFI - FCC TITLE 47, PART 15, CLASS B
6. CERTIFICATION - UL LISTED AND LABELED. ADA COMPLIANT
7. INPUT POWER/LUMENS/LPW - 17W / 1211 / 71

DECORATIVE WALL SCONCE

REVISED: JANUARY 2014 | LIGHTING PLATE: | TYPE: H1



LUMINAIRE REQUIREMENTS:

1. HOUSING - ONE-PIECE, IMPACT-RESISTANT, FIBERGLASS REINFORCED POLYESTER WITH ENCLOSED COLD-ROLLED STEEL WIREWAY.
2. FINISH - STEEL REFLECTOR WITH MULTI-STAGE PHOSPHATE BONDING TREATMENT FINISHED WITH HIGH REFLECTANCE (MINIMUM 85%), BAKED WHITE ENAMEL FINISH.
3. LENS - 100% CLEAR ACRYLIC/DR OPTICAL DIFFUSER. STIPPLED INTERIOR SURFACES AND SMOOTH EXTERIOR. CLOSED CELL NEOPRENE GASKET WITH CAPTIVE STAINLESS STEEL, SNAP ACTION CAM LATCHES TO SECURE LENS TO HOUSING.
4. ELECTRONIC DRIVER - IES L80 PERFORMANCE FOR 50,000 HOURS MINIMUM. SOUND RATING "A" WITH LESS THAN 20% THD, MINIMUM 0.9 POWER FACTOR, INHERENT THERMAL PROTECTION, SHORT-CIRCUIT AND OVERLOAD PROTECTION, AND COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION.
5. CERTIFICATION - UL LISTED AND LABELED. SUITABLE FOR DAMP OR WET LOCATION AS DESIGNATED IN LIGHTING FIXTURE SCHEDULE.
6. PHOTOMETRICS - MINIMUM VALUE OF COEFFICIENT OF UTILIZATION (CU), GIVEN INTERIOR CAVITY REFLECTANCES OF 80-50-20:

TYPE J1
NOMINAL 28W INPUT/
2,000 LUMENS

RCR	CU
1	1.08
2	0.98
3	0.89
4	0.81

LPW - 71
MINIMUM

FIBERGLASS HOUSING DAMP/WET LOCATION LED

REVISED: JANUARY 2014 | LIGHTING PLATE: | TYPE: J1

LUMINAIRE REQUIREMENTS:

1. HOUSING - ROLL-FORMED, COLD-ROLLED STEEL WITH DIE CAST END CAPS.
2. FINISH - POLYESTER POWDER COAT WITH SMOOTH, FINISHED EDGES
3. LENS - 100% IMPACT MODIFIED ACRYLIC, LINEAR FACETED REFRACTOR. REFRACTOR SYSTEM SHALL INTEGRATE INDIVIDUAL LED IMAGES AND UNIFORMLY WASH LUMINAIRE SURFACE WITH LIGHT.
4. ELECTRONIC DRIVER - IES LM-80 PERFORMANCE FOR 60,000 HOURS MINIMUM. SOUND RATING "A" WITH LESS THAN 20% THD, MINIMUM 0.9 POWER FACTOR, INHERENT THERMAL PROTECTION, SHORT-CIRCUIT AND OVERLOAD PROTECTION, AND COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION. PROVIDE 0-10V DIMMING DRIVER FOR 5-100% DIMMING RANGE OR BI-LEVEL STEP-DIMMING IF INDICATED.
5. CERTIFICATION - UL LISTED AND LABELED
6. MOUNTING - SURFACE MOUNTED.
7. OPTIONS - LUMINAIRE SHALL HAVE AN INTEGRAL OCCUPANCY SENSOR
8. PHOTOMETRICS - MINIMUM VALUE OF COEFFICIENT OF UTILIZATION (CU), GIVEN INTERIOR CAVITY REFLECTANCES OF 80-50-20:

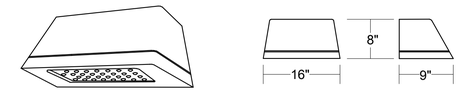
TYPE K1
NOMINAL 40W INPUT/
4,000 LUMENS

RCR	CU
1	1.04
2	0.94
3	0.85
4	0.78

LPW - 100
MINIMUM

4' LED STRIP WITH INTEGRAL OCCUPANCY SENSOR

REVISED: JANUARY 2014 | LIGHTING PLATE: | TYPE: K1



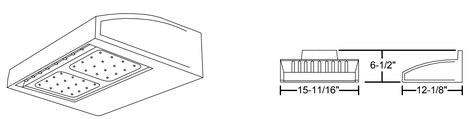
LUMINAIRE REQUIREMENTS:

1. HOUSING - HEAVY WALL DIE CAST ALUMINUM. REMOVABLE HINGED DOOR FRAME.
2. FINISH - FIVE STAGE TGIC POLYESTER POWDER COAT, BRONZE.
4. ELECTRONIC DRIVER - IES L80 PERFORMANCE FOR 50,000 HOURS MINIMUM. SOUND RATING "A" WITH LESS THAN 20% THD, MINIMUM 0.9 POWER FACTOR, INHERENT THERMAL PROTECTION, SHORT-CIRCUIT AND OVERLOAD PROTECTION, AND COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION.
5. CERTIFICATION - UL LISTED AND LABELED. UL WET LISTED.
6. MOUNTING - GASKETED AND ZINC PLATED STEEL MOUNTING ATTACHMENT FITS DIRECTLY TO A 4" J-BOX.
7. BATTERY - SEALED, MAINTENANCE-FREE NICKEL CADMIUM BATTERY DELIVERS 90 MINUTE CAPACITY TO EMERGENCY LAMPS. AUTOMATICALLY RECHARGES AFTER DISCHARGING. OPERATES IN TEMPERATURES OF -4 DEG. F.
8. PHOTOMETRICS:

TYPE L1
NOMINAL 25W INPUT/
2,500 LUMENS
B1-U0-G1
TYPE IV DISTRIBUTION
LPW - 100

ARCHITECTURAL LED WALL PACK WITH EMERGENCY BATTERY PACK

REVISED: JANUARY 2014 | LIGHTING PLATE: | TYPE: L1



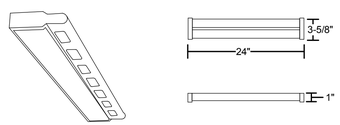
LUMINAIRE REQUIREMENTS:

1. HOUSING - DIE-CAST ALUMINUM WITH INTEGRAL HEAT SINKS.
2. FINISH - TGIC POLYESTER POWDER COAT, BRONZE.
3. OPTICS - DESIGNED TO SHAPE DISTRIBUTION AND MAXIMIZE EFFICIENCY.
4. ELECTRONIC DRIVER - IES LM-80 PERFORMANCE FOR 60,000 HOURS MINIMUM. SOUND RATING "A" WITH LESS THAN 20% THD, MINIMUM 0.9 POWER FACTOR, INHERENT THERMAL PROTECTION, SHORT-CIRCUIT AND OVERLOAD PROTECTION, AND COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION.
5. CERTIFICATION - UL LISTED AND LABELED. IP66.
6. PHOTOMETRICS:

TYPE O1
NOMINAL 29W INPUT/
3,228 LUMENS
B1-U0-G1
TYPE III DISTRIBUTION
LPW - 111 MINIMUM

LED EXTERIOR WALL PACK

REVISED: JANUARY 2014 | LIGHTING PLATE: | TYPE: O1



LUMINAIRE REQUIREMENTS:

1. HOUSING - RUGGED LOW PROFILE ALUMINUM HOUSING
2. FINISH - MULTI-STAGE PHOSPHATE BONDING TREATMENT FINISHED WITH HIGH REFLECTANCE (MINIMUM 85%), BAKED WHITE ENAMEL FINISH.
3. LENS - 100% UV STABALIZED ACRYLIC
4. ELECTRONIC DRIVER - IES LM-80 PERFORMANCE FOR 60,000 HOURS MINIMUM. SOUND RATING "A" WITH LESS THAN 20% THD, MINIMUM 0.9 POWER FACTOR, INHERENT THERMAL PROTECTION, SHORT-CIRCUIT AND OVERLOAD PROTECTION, AND COMPLIES WITH ANSI C62.41 CATEGORY A TRANSIENT PROTECTION. PROVIDE 0-10V DIMMING DRIVER FOR 5-100% DIMMING RANGE OR BI-LEVEL STEP-DIMMING IF INDICATED.
5. CERTIFICATION - UL LISTED AND LABELED
6. PHOTOMETRICS - MINIMUM VALUE OF COEFFICIENT OF UTILIZATION (CU) GIVEN INTERIOR CAVITY REFLECTANCES OF 80-50-20:

TYPE M1
NOMINAL 11W INPUT/
472 LUMENS

RCR	CU
1	1.10
2	1.00
3	0.92
4	0.84

LPW - 42
MINIMUM

2' LED UNDERCABINET

REVISED: JANUARY 2014 | LIGHTING PLATE: | TYPE: M1

LUMINAIRE REQUIREMENTS:

1. HOUSING/TRIM - EXTRUDED ALUMINUM WITH OPTIONAL FINISHES OF SATIN ALUMINUM, WHITE, BLACK, BRASS, BRONZE OR CHROME.
2. PLAQUE - WATER-CLEAR INJECTION-MOLDED ACRYLIC. OPTIONAL MIRROR BACKGROUND ON SINGLE FACE MODELS; STANDARD ON DOUBLE-FACED MODELS.
3. LETTERS/CHEVRONS - MINIMUM 6" HIGH WITH 3/4" STROKE. RED OR GREEN LETTERS AS INDICATED. PROVIDE CHEVRONS AS INDICATED EITHER LEFT, RIGHT OR BOTH DIRECTIONS AS INDICATED.
4. EMERGENCY PACK - SOLID-STATE, CONSTANT-CURRENT TYPE BATTERY CHARGER WITH MAINTENANCE-FREE, NICKEL-CADMIUM BATTERY, AC-ON INDICATOR LAMP AND TEST SWITCH.
5. MOUNTING - UNIVERSAL MOUNTING KIT FOR CEILING, WALL OR END OF FIXTURE MOUNTING.
6. ILLUMINATION - PROVIDED BY RED OR GREEN HIGH-OUTPUT LEDS IN TOP HOUSING. RATED LIFE SHALL BE IN EXCESS OF 20 YEARS.
7. CERTIFICATION - UL LISTED AND LABELED.

EDGE-LIT EXIT SIGN

REVISED: AUGUST 2004 | LIGHTING PLATE: NL-64 | TYPE: X1

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT,NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED

PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

LIGHTING PLATES

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722139
SHEET 153 OF 177
E-703

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REVDATE: 5/3/2016 9:43:12 AM

SWITCHBOARD: MDP

LOCATION: BASEMENT 001
SUPPLY FROM:
MOUNTING: FLOOR
ENCLOSURE: NEMA 1

VOLTAGE: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: EXST
MAINS TYPE: MCB
MAINS RATING: 1000 A
MCB RATING: 1000 A

NOTES:
MDP CONSIST OF TWO SECTIONS. EXISTING CIRCUIT BREAKERS AND LOCATIONS TO REMAIN DURING CONSTRUCTION.

CKT	LOAD NAME	DESIGN WIRE AND CONDUIT	POLES	TRIP RATING	FRAME SIZE	Load	COMMENTS
1	PP1	*SEE RISER DIAGRAM E-601*	3	100 A	400 A	9724 VA	
2	PP-1A	*SEE RISER DIAGRAM E-601*	3	225 A	400 A	57363 VA	
3	PP-1B	*SEE RISER DIAGRAM E-601*	3	150 A	400 A	28632 VA	
4	PP-2A	*SEE RISER DIAGRAM E-601*	3	225 A	400 A	55700 VA	
5	PP-2B	*SEE RISER DIAGRAM E-601*	3	150 A	400 A	46534 VA	
6	PP-3A	*SEE RISER DIAGRAM E-601*	3	225 A	400 A	55700 VA	
7	PP-3B	*SEE RISER DIAGRAM E-601*	3	150 A	400 A	46014 VA	
8	PP-4A	*SEE RISER DIAGRAM E-601*	3	225 A	400 A	55820 VA	
9	PP-4B	*SEE RISER DIAGRAM E-601*	3	150 A	400 A	45998 VA	
10	PP-5A	*SEE RISER DIAGRAM E-601*	3	225 A	400 A	63560 VA	
11	PP-5B	*SEE RISER DIAGRAM E-601*	3	150 A	400 A	31418 VA	
12	HVAC MECH ROOM 510	3#12, 1#12 GND - 1/2"C	3	25 A	400 A	5054 VA	DOAS-1 (IU)
13	HVAC ROOF	3#2, 1#8 GND - 1"C	3	100 A	400 A	23826 VA	DOAS-1 (OU)
14	ELEVATOR ROOM 103	*SEE RISER DIAGRAM E-601*	3	125 A	400 A	33120 VA	
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	SWITCHBOARD TOTALS	
Electric Clothes Dryer	45000 VA	50.00%	22500 VA		
Electric Range - Less than 3.5 kW	122200 VA	30.00%	36660 VA	**TOTAL CONNECTED LOAD:**	558226 VA
Appliance - Dwelling Unit	18000 VA	75.00%	13500 VA	**TOTAL ESTIMATED DEMAND LOAD:**	286022 VA
HVAC	122282 VA	80.00%	97826 VA	**TOTAL CONNECTED CURRENT:**	1549 A
Elevator	33120 VA	100.00%	33120 VA	**TOTAL ESTIMATED DEMAND CURRENT:**	794 A
LTG	24294 VA	48.23%	11718 VA		
Receptacle (Hotel)	192330 VA	36.24%	69699 VA	**DEMAND WITH EXPANSION:**	953 A

PANELBOARD: PP-1A

LOCATION: CORRIDOR 101
SUPPLY FROM: MDP
MOUNTING: RECESSED
ENCLOSURE: NEMA 1

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 225 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	3	100		PP-1C	3-#1, 1-#1, 1-#8 /	65 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 16-A1	A	20	1	2
3	--	--	--	--	--			66 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 16-A1	A	20	1	4
5	--	--	--	--	--					66 A	11 A	1-#4, 1-#4, 1-#4 / 1/2"	LTG Room 108, 109, 101	A	20	1	6
7	1	20	A	REC CORRIDOR 101	1-#10, 1-#10, 1-#10 / 1/2"	8 A	13 A					1-#12, 1-#12, 1-#12 / 1/2"	Room 16-A1, 16-A3, 16-A2	A	20	1	8
9	1	20	A	Room 16-A1, 16-A2, 16-A3	1-#12, 1-#12, 1-#12 / 1/2"			14 A	13 A			2-#12, 1-#12, 1-#12 / 1/2"	Electric Range - Less than 3.5 kW...		20	2	10
11	2	20		HVAC Room 16-A2, 16-A1	2-#12, 1-#12, 1-#12 / 1/2"					6 A	13 A	--	--	--	--	--	12
13	--	--	--	--	--	6 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 18-A1	A	20	1	14
15	1	20	A	REC LIVING 19-A1	1-#12, 1-#12, 1-#12 / 1/2"			3 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 17-A1	A	20	1	16
17	1	20	A	REC LIVING 19-A1	1-#12, 1-#12, 1-#12 / 1/2"					3 A	3 A	1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 18-A1	A	20	1	18
19	1	20	A	REC LIVING 17-A1	1-#12, 1-#12, 1-#12 / 1/2"	3 A	13 A					1-#12, 1-#12, 1-#12 / 1/2"	Room 17-A1, 17-A3, 17-A2	A	20	1	20
21	1	20	A	Room 18-A1, 18-A3, 18-A2	1-#12, 1-#12, 1-#12 / 1/2"			13 A	14 A			1-#12, 1-#12, 1-#12 / 1/2"	Room 18-A1, 18-A2, 18-A3	A	20	1	22
23	1	20	A	Room 19-A1, 19-A3, 19-A2	1-#10, 1-#10, 1-#10 / 1/2"					13 A	14 A	1-#10, 1-#10, 1-#10 / 1/2"	Room 19-A1, 19-A2, 19-A3	A	20	1	24
25	1	20	A	Room 17-A1, 17-A2, 17-A3	1-#12, 1-#12, 1-#12 / 1/2"	14 A	6 A					2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 17-A2, 17-A1		20	2	26
27	2	20		HVAC Room 18-A2, 18-A1	2-#12, 1-#12, 1-#12 / 1/2"			6 A	6 A			--	--	--	--	--	28
29	--	--	--	--	--					6 A	6 A	2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 19-A2, 19-A1		20	2	30
31	2	20		Electric Range - Less than 3.5 kW...	2-#12, 1-#12, 1-#12 / 1/2"	13 A	6 A					--	--	--	--	--	32
33	--	--	--	--	--			13 A	13 A			2-#12, 1-#12, 1-#12 / 1/2"	Electric Range - Less than 3.5 kW...		20	2	34
35	2	20		Electric Range - Less than 3.5 kW...	2-#12, 1-#12, 1-#12 / 1/2"					13 A	13 A	--	--	--	--	--	36
37	--	--	--	--	--	13 A											38
39																	40
41																	42
					TOTAL AMPS:	160 A		159 A		159 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	159 A
TOTAL ESTIMATED DEMAND...	109 A
DEMAND WITH EXPANSION:	131 A

PANELBOARD: PP1

LOCATION: BASEMENT 001
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: 35KAIC
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	3	20		HHWP-1	3-#12, 1-#12, 1-#12 / 1/2"	7 A	7 A					3-#12, 1-#12, 1-#12 / 1/2"	HHWP-2		20	3	2
3	--	--	--	--	--			7 A	7 A			--	--	--	--	--	4
5	--	--	--	--	--					7 A	7 A	--	--	--	--	--	6
7	3	15		HHWP-3	3-#12, 1-#12, 1-#14 / 1/2"	5 A	5 A					3-#12, 1-#12, 1-#14 / 1/2"	HHWP-4		15	3	8
9	--	--	--	--	--			5 A	5 A			--	--	--	--	--	10
11	--	--	--	--	--					5 A	5 A	--	--	--	--	--	12
13	1	20		HVAC	1-#12, 1-#12, 1-#12 / 1/2"	7 A	2 A					1-#12, 1-#12, 1-#12 / 1/2"	HVAC		20	1	14
15	1	20		GAZEBO LTG - (BID OPTION)	1-#12, 1-#12, 1-#12 / 1/2"			2 A									16
17																	18
19																	20
21																	22
23																	24
25																	26
27																	28
29																	30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	33 A		25 A		24 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	27 A
TOTAL ESTIMATED DEMAND...	22 A
DEMAND WITH EXPANSION:	26 A

PANELBOARD: PP-1B

LOCATION: CORRIDOR 101
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4

A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 150 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	3	100		PP-1D	3-#1, 1-#1, 1-#8 / EXST	10 A	4 A					1-#12, 1-#12, 1-#12 / 1/2"	LTG Room 205, 25-B1, 201, 100, 10...	A	20	1	2
3	--	--	--	--	--			13 A	6 A			2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 13-A2, 13-A1		20	2	4
5	--	--	--	--	--					15 A	6 A	--	--	--	--	--	6
7	2	20		HVAC Room 11-A2, 11-A1	2-#12, 1-#12, 1-#12 / 1/2"	6 A	6 A					2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 12-A2, 12-A1		20	2	8
9	--	--	--	--	--			6 A	6 A			--	--	--	--	--	10
11	1	20	A	REC LIVING 13-A1	1-#12, 1-#12, 1-#12 / 1/2"					3 A	13 A	2-#10, 1-#10, 1-#10 / 1/2"	Electric Range - Less than 3.5 kW...		30	2	12
13	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"	13 A	13 A					--	--	--	--	--	14
15	--	--	--	--	--			13 A	13 A			2-#10, 1-#10, 1-#10 / 1/2"	Electric Range - Less than 3.5 kW...		30	2	16
17	1	20	A	REC LIVING 12-A1	1-#12, 1-#12, 1-#12 / 1/2"					3 A	13 A	--	--	--	--	--	18
19	1	20	A	REC LIVING 12-A1	1-#12, 1-#12, 1-#12 / 1/2"	3 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 11-A1	A	20	1	20
21	1	20	A	REC LIVING 13-A1	1-#12, 1-#12, 1-#12 / 1/2"			3 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 11-A1	A	20	1	22
23	1	20	A	Room 13-A1, 13-A3, 13-A2	1-#12, 1-#12, 1-#12 / 1/2"					13 A	14 A	1-#12, 1-#12, 1-#12 / 1/2"	Room 13-A1, 13-A2, 13-A3	A	20	1	24
25	1	20	A	Room 11-A1, 11-A3, 11-A2	1-#10, 1-#10, 1-#10 / 1/2"	13 A	14 A					1-#10, 1-#10, 1-#10 / 1/2"	Room 11-A1, 11-A2, 11-A3	A	20	1	26
27	1	20	A	Room 12-A1, 12-A3, 12-A2	1-#12, 1-#12, 1-#12 / 1/2"			13 A	14 A			1-#12, 1-#12, 1-#12 / 1/2"	Room 12-A1, 12-A2, 12-A3	A	20	1	28
29																	30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	80 A		85 A		76 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	79 A
TOTAL ESTIMATED DEMAND...	48 A
DEMAND WITH EXPANSION:	57 A

APPR.	DATE	DESCRIPTION	SYM.

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/23/16
PROFESSIONAL ENGINEER

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320

A/E INFO

APPROVED
David W. Grunfield
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT, NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

PANELBOARD SCHEDULES

SCALE: **AS NOTED**
EPROJECT NO. **1382693**
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. **12722140**
SHEET **154** OF **177**

E-704

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jcashwell.rvt
REVDATE: 5/23/2016 4:10:09 PM

PANELBOARD: PP-1C

LOCATION: LAUNDRY 108
SUPPLY FROM: PP-1A
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	1	20	A	STAIR 107	1-#12, 1-#12, 1-#12 / 1/2"	1 A	21 A					1-#10, 1-#10, 1-#10 / 1/2"	Room 10-B1, 10-B2, 10-B3	A	20	1	2
3	1	20	A	REC LAUNDRY 108	1-#12, 1-#12, 1-#12 / 1/2"			3 A	15 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LAUNDRY 108	A	20	1	4
5	1	20	A	Room 10-B1, 10-B2	1-#12, 1-#12, 1-#12 / 1/2"					6 A	15 A	1-#12, 1-#12, 1-#12 / 1/2"	REC LAUNDRY 108	A	20	1	6
7	1	20	A	REC JAN 109	1-#12, 1-#12, 1-#12 / 1/2"	2 A	13 A					2-#12, 1-#12, 1-#12 / 1/2"	Electric Range - Less than 3.5 kW...		20	2	8
9	2	20		HVAC	2-#12, 1-#12, 1-#12 / 1/2"			5 A	13 A			--	--	--	--	--	10
11	--	--	--	--	--					5 A	23 A	2-#12, 1-#12, 1-#12 / 1/2"	Electric Clothes Dryer LAUNDRY 108		20	2	12
13	2	20		HVAC Room 10-B2, 10-B1	2-#12, 1-#12, 1-#12 / 1/2"	14 A	23 A					--	--	--	--	--	14
15	--	--	--	--	--			14 A	23 A			2-#10, 1-#10, 1-#10 / 1/2"	Electric Clothes Dryer LAUNDRY 108		30	2	16
17	1	20	A	REC LIVING 10-B1	1-#12, 1-#12, 1-#12 / 1/2"					2 A	23 A	--	--	--	--	--	18
19																	20
21	1	20	A	REC LIVING 10-B1	1-#12, 1-#12, 1-#12 / 1/2"			2 A									22
23																	24
25																	26
27																	28
29																	30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	65 A		66 A		66 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	66 A
TOTAL ESTIMATED DEMAND...	56 A
DEMAND WITH EXPANSION:	67 A

PANELBOARD: PP-2A

LOCATION: CORRIDOR 201
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 225 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	3	100		PP-2C	3-#1, 1-#1, 1-#8 / EXST	65 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 26-A1	A	20	1	2
3	--	--	--	--	--			65 A	8 A			1-#10, 1-#10, 1-#10 / 1/2"	REC CORRIDOR 201	A	20	1	4
5	--	--	--	--	--					65 A	14 A	1-#12, 1-#12, 1-#12 / 1/2"	Room 26-A1, 26-A2, 26-A3	A	20	1	6
7	1	20	A	REC LIVING 26-A1	1-#12, 1-#12, 1-#12 / 1/2"	3 A	13 A					1-#12, 1-#12, 1-#12 / 1/2"	Room 26-A1, 26-A3, 26-A2	A	20	1	8
9	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"			13 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 29-A1	A	20	1	10
11	--	--	--	--	--					13 A	3 A	1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 29-A1	A	20	1	12
13	2	20		HVAC Room 26-A2, 26-A1	2-#12, 1-#12, 1-#12 / 1/2"	6 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 28-A1	A	20	1	14
15	--	--	--	--	--			6 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 27-A1	A	20	1	16
17	1	20	A	REC LIVING 28-A1	1-#12, 1-#12, 1-#12 / 1/2"					3 A	13 A	1-#10, 1-#10, 1-#10 / 1/2"	Room 29-A1, 29-A3, 29-A2	A	20	1	18
19	1	20	A	REC LIVING 27-A1	1-#12, 1-#12, 1-#12 / 1/2"	3 A	13 A					1-#12, 1-#12, 1-#12 / 1/2"	Room 27-A1, 27-A3, 27-A2	A	20	1	20
21	1	20	A	Room 28-A1, 28-A3, 28-A2	1-#12, 1-#12, 1-#12 / 1/2"			13 A	14 A			1-#12, 1-#12, 1-#12 / 1/2"	Room 28-A1, 28-A3, 28-A2	A	20	1	22
23	1	20	A	Room 29-A1, 29-A2, 29-A3	1-#10, 1-#10, 1-#10 / 1/2"					14 A							24
25	1	20	A	Room 27-A1, 27-A2, 27-A3	1-#12, 1-#12, 1-#12 / 1/2"	14 A	6 A					2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 27-A2, 27-A1		20	2	26
27	2	20		HVAC Room 28-A2, 28-A1	2-#12, 1-#12, 1-#12 / 1/2"			6 A	6 A			--	--	--	--	--	28
29	--	--	--	--	--					6 A	6 A	2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 29-A2, 29-A1		20	2	30
31	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"	13 A	6 A					--	--	--	--	--	32
33	--	--	--	--	--			13 A	13 A			2-#10, 1-#10, 1-#10 / 1/2"	Electric Range - Less than 3.5 kW...		30	2	34
35	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"					13 A	13 A	--	--	--	--	--	36
37	--	--	--	--	--	13 A											38
39																	40
41																	42
					TOTAL AMPS:	155 A		154 A		155 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	155 A
TOTAL ESTIMATED DEMAND...	106 A
DEMAND WITH EXPANSION:	128 A

PANELBOARD: PP-1D

LOCATION: MECH ROOM 113
SUPPLY FROM: PP-1B
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	1	20	A	STAIR 104	1-#12, 1-#12, 1-#12 / 1/2"	1 A	2 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LOBBY 100	A	20	1	2
3	1	20	A	REC Room 101, 111, 112, 103, 106	1-#12, 1-#12, 1-#12 / 1/2"			8 A	1 A			1-#12, 1-#12, 1-#12 / 1/2"	HVAC MECH ROOM 113		20	1	4
5	1	20	A	VESTIBULE 100B	1-#12, 1-#12, 1-#12 / 1/2"					1 A	8 A	1-#12, 1-#12, 1-#12 / 1/2"	REC MECH ROOM 113	A	20	1	6
7	1	20	A	REC LOUNGE 106	1-#12, 1-#12, 1-#12 / 1/2"	2 A											8
9	1	20	G	REC VENDING 105	1-#12, 1-#12, 1-#12 / 1/2"			2 A	2 A			1-#12, 1-#12, 1-#12 / 1/2"	REC VENDING 105	A	20	1	10
11	2	20		Power LOUNGE 106	2-#12, 1-#12, 1-#12 / 1/2"					0 A	0 A	2-#12, 1-#12, 1-#12 / 1/2"	Power VENDING 105		20	2	12
13	--	--	--	--	--	0 A	0 A					--	--	--	--	--	14
15	1	20		REC LOUNGE 106	1-#12, 1-#12, 1-#12 / 1/2"			2 A	0 A			1-#12, 1-#12, 1-#12 / 1/2"	Power LOUNGE 106		20	1	16
17	2	20		HVAC SS/HP-1	2-#12, 1-#12, 1-#12 / 1/2"					1 A	1 A	2-#12, 1-#12, 1-#12 / 1/2"	HVAC SS/HP-2		20	2	18
19	--	--	--	--	--	1 A	1 A					--	--	--	--	--	20
21																	22
23	1	20		SEC PANEL	1-#12, 1-#12, 1-#12 / 1/2"					1 A	2 A	1-#12, 1-#12, 1-#12 / 1/2"	REC VENDING 105	G	20	1	24
25	1	20	G	REC VENDING 105	1-#12, 1-#12, 1-#12 / 1/2"	2 A	2 A					1-#12, 1-#12, 1-#12 / 1/2"	REC Space 511	A	20	1	26
27																	28
29	1	20	G	REC VENDING 105	1-#12, 1-#12, 1-#12 / 1/2"					2 A	2 A	1-#12, 1-#12, 1-#12 / 1/2"	REC Space 511	A	20	1	30
31	1	20	A	REC LOBBY 100	1-#12, 1-#12, 1-#12 / 1/2"	2 A											32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	10 A		14 A		16 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	12 A
TOTAL ESTIMATED DEMAND...	7 A
DEMAND WITH EXPANSION:	8 A

PANELBOARD: PP-2B

LOCATION: CORRIDOR 201
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 150 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	3	100		PP-2D	3-#1, 1-#1, 1-#8 / EXST	38 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 21-A1	A	20	1	2
3	--	--	--	--	--			41 A	7 A			1-#8, 1-#8, 1-#8 / 1/2"	LTG CORRIDOR 201	A	20	1	4
5	--	--	--	--	--					40 A	14 A	1-#10, 1-#10, 1-#10 / 1/2"	Room 21-A1, 21-A2, 21-A3	A	20	1	6
7	1	20	A	REC LIVING 21-A1	1-#12, 1-#12, 1-#12 / 1/2"	3 A	13 A					1-#10, 1-#10, 1-#10 / 1/2"	Room 21-A1, 21-A3, 21-A2	A	20	1	8
9	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"			13 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 24-A1	A	20	1	10
11	--	--	--	--	--					13 A	3 A	1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 24-A1	A	20	1	12
13	2	20		HVAC Room 21-A2, 21-A1	2-#12, 1-#12, 1-#12 / 1/2"	6 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 23-A1	A	20	1	14
15	--	--	--	--	--			6 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 22-A1	A	20	1	16
17	1	20	A	REC LIVING 23-A1	1-#12, 1-#12, 1-#12 / 1/2"					3 A	13 A	1-#12, 1-#12, 1-#12 / 1/2"	Room 24-A1, 24-A3, 24-A2	A	20	1	18
19	1	20	A	REC LIVING 22-A1	1-#12, 1-#12, 1-#12 / 1/2"	3 A	13 A					1-#12, 1-#12, 1-#12 / 1/2"	Room 22-A1, 22-A3, 22-A2	A	20	1	20
21	1	20	A	Room 23-A1, 23-A3, 23-A2	1-#12, 1-#12, 1-#12 / 1/2"			13 A	14 A			1-#12, 1-#12, 1-#12 / 1/2"	Room 23-A1, 23-A2, 23-A3	A	20	1	22
23	1	20	A	Room 24-A1, 24-A2, 24-A3	1-#12, 1-#12, 1-#12 / 1/2"					14 A							24
25	1	20	A	Room 22-A1, 22-A2, 22-A3	1-#12, 1-#12, 1-#12 / 1/2"	14 A	6 A					2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 22-A2, 22-A1		20	2	26
27	2	20		HVAC Room 23-A2, 23-A1	2-#12, 1-#12, 1-#12 / 1/2"			6 A	6 A			--	--	--	--	--	28
29	--	--	--	--	--					6 A	6 A	2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 24-A2, 24-A1		20	2	30
31	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"	13 A	6 A					--	--	--	--	--	32
33	--	--	--	--	--			13 A	13 A			2-#10, 1-#10, 1-#10 / 1/2"	Electric Range - Less than 3.5 kW...		30	2	34
35	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"					13 A	13 A	--	--	--	--	--	36
37	--	--	--	--	--	13 A											38
39																	40
41																	42
					TOTAL AMPS:	129 A		129 A		130 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	129 A
TOTAL ESTIMATED DEMAND...	77 A
DEMAND WITH EXPANSION:	93 A

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320

A/E INFO.

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEDO AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES	JCC	DRW	JCH	CHK	TED
PM / DM	MLW/LEJ				
BRANCH MANAGER					
CHIEF ENG/ARCH		DWG			
FIRE PROTECTION					

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

PANELBOARD SCHEDULES

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722141
SHEET 155 OF 177

E-705

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REV/DATE: 5/3/2016 8:43:14 AM

PANELBOARD: PP-2C

LOCATION: LAUNDRY 208
SUPPLY FROM: PP-2A
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	1	20	A	REC LAUNDRY 208	1-#12, 1-#12, 1-#12 / 1/2"	3 A	6 A					1-#12, 1-#12, 1-#12 / 1/2"	Room 20-B1, 20-B2	A	20	1	2
3	1	20	A	REC LIVING 20-B1	1-#12, 1-#12, 1-#12 / 1/2"			2 A									4
5	1	20	A	LTG Room 207, 208, 209	1-#12, 1-#12, 1-#12 / 1/2"					4 A	15 A	1-#12, 1-#12, 1-#12 / 1/2"	REC LAUNDRY 208	A	20	1	6
7	1	20	A	REC LAUNDRY 208	1-#12, 1-#12, 1-#12 / 1/2"	15 A	21 A					1-#10, 1-#10, 1-#10 / 1/2"	Room 20-B1, 20-B2, 20-B3	A	20	1	8
9	2	20		HVAC LAUNDRY 208	2-#12, 1-#12, 1-#12 / 1/2"			3 A	13 A			2-#10, 1-#10, 1-#10 / 1/2"	Electric Range - Less than 3.5 kW...		30	2	10
11	--	--	--	--	--					3 A	13 A	--	--	--	--	--	12
13	1	20	A	REC JAN 209	1-#12, 1-#12, 1-#12 / 1/2"	2 A	22 A					2-#10, 1-#10, 1-#10 / 1/2"	Electric Clothes Dryer LAUNDRY 208		30	2	14
15	2	20		HVAC Room 20-B2, 20-B1	2-#12, 1-#12, 1-#12 / 1/2"			14 A	22 A			--	--	--	--	--	16
17	--	--	--	--	--					14 A	2 A	1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 20-B1	A	20	1	18
19																	20
21	2	30		Electric Clothes Dryer LAUNDRY 208	2-#10, 1-#10, 1-#10 / 1/2"			22 A									22
23	--	--	--	--	--					22 A							24
25																	26
27																	28
29																	30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	65 A		65 A		65 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	65 A
TOTAL ESTIMATED DEMAND...	55 A
DEMAND WITH EXPANSION:	66 A

PANELBOARD: PP-3A

LOCATION: CORRIDOR 301
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 225 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	3	100		PP-3C	3-#1, 1-#1, 1-#8 / EXST	65 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 36-A1	A	20	1	2
3	--	--	--	--	--			65 A	8 A			1-#10, 1-#10, 1-#10 / 1/2"	REC CORRIDOR 301	A	20	1	4
5	--	--	--	--	--					65 A	14 A	1-#12, 1-#12, 1-#12 / 1/2"	Room 36-A1, 36-A2, 36-A3	A	20	1	6
7	1	20	A	REC LIVING 36-A1	1-#12, 1-#12, 1-#12 / 1/2"	3 A	13 A					1-#12, 1-#12, 1-#12 / 1/2"	Room 36-A1, 36-A3, 36-A2	A	20	1	8
9	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"			13 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 39-A1	A	20	1	10
11	--	--	--	--	--					13 A	3 A	1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 39-A1	A	20	1	12
13	2	20		HVAC Room 36-A2, 36-A1	2-#12, 1-#12, 1-#12 / 1/2"	6 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 38-A1	A	20	1	14
15	--	--	--	--	--			6 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 37-A1	A	20	1	16
17	1	20	A	REC LIVING 38-A1	1-#12, 1-#12, 1-#12 / 1/2"					3 A	13 A	1-#10, 1-#10, 1-#10 / 1/2"	Room 39-A1, 39-A3, 39-A2	A	20	1	18
19	1	20	A	REC LIVING 37-A1	1-#12, 1-#12, 1-#12 / 1/2"	3 A	13 A					1-#12, 1-#12, 1-#12 / 1/2"	Room 37-A1, 37-A3, 37-A2	A	20	1	20
21	1	20	A	Room 38-A1, 38-A3, 38-A2	1-#12, 1-#12, 1-#12 / 1/2"			13 A	14 A			1-#12, 1-#12, 1-#12 / 1/2"	Room 38-A1, 38-A2, 38-A3	A	20	1	22
23	1	20	A	Room 39-A1, 39-A2, 39-A3	1-#10, 1-#10, 1-#10 / 1/2"					14 A							24
25	1	20	A	Room 37-A1, 37-A2, 37-A3	1-#12, 1-#12, 1-#12 / 1/2"	14 A	6 A					2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 37-A2, 37-A1		20	2	26
27	2	20		HVAC Room 38-A2, 38-A1	2-#12, 1-#12, 1-#12 / 1/2"			6 A	6 A			--	--	--	--	--	28
29	--	--	--	--	--					6 A	6 A	2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 39-A2, 39-A1		20	2	30
31	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"	13 A	6 A					--	--	--	--	--	32
33	--	--	--	--	--			13 A	13 A			2-#10, 1-#10, 1-#10 / 1/2"	Electric Range - Less than 3.5 kW...		30	2	34
35	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"					13 A	13 A	--	--	--	--	--	36
37	--	--	--	--	--	13 A											38
39																	40
41																	42
					TOTAL AMPS:	155 A		154 A		155 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	155 A
TOTAL ESTIMATED DEMAND...	106 A
DEMAND WITH EXPANSION:	127 A

PANELBOARD: PP-2D

LOCATION: MECH ROOM 205
SUPPLY FROM: PP-2B
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	1	20	A	REC LIVING 25-B1	1-#12, 1-#12, 1-#12 / 1/2"	2 A	6 A					1-#12, 1-#12, 1-#12 / 1/2"	LTG Room 204, 205, 206, 203	A	20	1	2
3	1	20	A	REC LIVING 25-B1	1-#12, 1-#12, 1-#12 / 1/2"			2 A	21 A			1-#10, 1-#10, 1-#10 / 1/2"	Room 25-B1, 25-B2, 25-B3	A	20	1	4
5	1	20	A	Room 25-B1; 25-B2	1-#12, 1-#12, 1-#12 / 1/2"					6 A	9 A	1-#10, 1-#10, 1-#10 / 1/2"	REC Room 205, 206, 203	A	20	1	6
7	1	20	A	REC Room 205, 206, 201, 203	1-#10, 1-#10, 1-#10 / 1/2"	12 A	6 A					2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 206, 203		20	2	8
9	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"			13 A	6 A			--	--	--	--	--	10
11	--	--	--	--	--					13 A	14 A	2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 25-B2, 25-B1		20	2	12
13							14 A					--	--	--	--	--	14
15									2 A			3-#1, 1-#1, 1-#8 / 1/2"	PP-FA		100	3	16
17											2 A	--	--	--	--	--	18
19							1 A					--	--	--	--	--	20
21																	22
23																	24
25																	26
27																	28
29																	30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	38 A		41 A		40 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	39 A
TOTAL ESTIMATED DEMAND...	26 A
DEMAND WITH EXPANSION:	31 A

PANELBOARD: PP-3B

LOCATION: CORRIDOR 301
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 150 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	3	100		PP-3D	3-#1, 1-#1, 1-#8 / EXST	38 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 31-A1	A	20	1	2
3	--	--	--	--	--			38 A	7 A			1-#8, 1-#8, 1-#8 / 1/2"	CORRIDOR 301	A	20	1	4
5	--	--	--	--	--					38 A	14 A	1-#10, 1-#10, 1-#10 / 1/2"	Room 31-A1, 31-A2, 31-A3	A	20	1	6
7	1	20	A	REC LIVING 31-A1	1-#12, 1-#12, 1-#12 / 1/2"	3 A	13 A					1-#10, 1-#10, 1-#10 / 1/2"	Room 31-A1, 31-A3, 31-A2	A	20	1	8
9	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"			13 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 34-A1	A	20	1	10
11	--	--	--	--	--					13 A	3 A	1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 34-A1	A	20	1	12
13	2	20		HVAC Room 31-A2, 31-A1	2-#12, 1-#12, 1-#12 / 1/2"	6 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 33-A1	A	20	1	14
15	--	--	--	--	--			6 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 32-A1	A	20	1	16
17	1	20	A	REC LIVING 33-A1	1-#12, 1-#12, 1-#12 / 1/2"					3 A	13 A	1-#12, 1-#12, 1-#12 / 1/2"	Room 34-A1, 34-A3, 34-A2	A	20	1	18
19	1	20	A	REC LIVING 32-A1	1-#12, 1-#12, 1-#12 / 1/2"	3 A	13 A					1-#12, 1-#12, 1-#12 / 1/2"	Room 32-A1, 32-A3, 32-A2	A	20	1	20
21	1	20	A	Room 33-A1, 33-A3, 33-A2	1-#12, 1-#12, 1-#12 / 1/2"			13 A	14 A			1-#12, 1-#12, 1-#12 / 1/2"	Room 33-A1, 33-A2, 33-A3	A	20	1	22
23	1	20	A	Room 34-A1, 34-A2, 34-A3	1-#12, 1-#12, 1-#12 / 1/2"					14 A							24
25	1	20	A	Room 32-A1, 32-A2, 32-A3	1-#12, 1-#12, 1-#12 / 1/2"	14 A	6 A					2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 32-A2, 32-A1		20	2	26
27	2	20		HVAC Room 33-A2, 33-A1	2-#12, 1-#12, 1-#12 / 1/2"			6 A	6 A			--	--	--	--	--	28
29	--	--	--	--	--					6 A	6 A	2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 34-A2, 34-A1		20	2	30
31	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"	13 A	6 A					--	--	--	--	--	32
33	--	--	--	--	--			13 A	13 A			2-#10, 1-#10, 1-#10 / 1/2"	Electric Range - Less than 3.5 kW...		30	2	34
35	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"					13 A	13 A	--	--	--	--	--	36
37	--	--	--	--	--	13 A											38
39																	40
41																	42
					TOTAL AMPS:	128 A		127 A		128 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	128 A
TOTAL ESTIMATED DEMAND...	76 A
DEMAND WITH EXPANSION:	91 A

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO.

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES	JCC	DRW	JCH	CHK	TED
PM / DM	MLW/LEJ				
BRANCH MANAGER	JJK				
CHIEF ENG/ARCH	DWG				
FIRE PROTECTION	DPS				

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
RENOVATION OF BUILDING 678
PANELBOARD SCHEDULES

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722142
SHEET 156 OF 177
E-706

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REV/DATE: 5/3/2016 8:43:15 AM

PANELBOARD: PP-3C

LOCATION: LAUNDRY 308
SUPPLY FROM: PP-3A
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	1	20	A	REC LAUNDRY 308	1-#12, 1-#12, 1-#12 / 1/2"	3 A	6 A					1-#12, 1-#12, 1-#12 / 1/2"	Room 30-B1, 30-B2	A	20	1	2
3	1	20	A	REC LIVING 30-B1	1-#12, 1-#12, 1-#12 / 1/2"			2 A									4
5	1	20	A	LTG Room 307, 308, 309	1-#12, 1-#12, 1-#12 / 1/2"					4 A	15 A	1-#12, 1-#12, 1-#12 / 1/2"	REC LAUNDRY 308		20	1	6
7	1	20	A	REC LAUNDRY 308	1-#12, 1-#12, 1-#12 / 1/2"	15 A	21 A					1-#10, 1-#10, 1-#10 / 1/2"	Room 30-B1, 30-B2, 30-B3	A	20	1	8
9	2	20		RECEPTACLE LAUNDRY 308	2-#12, 1-#12, 1-#12 / 1/2"			3 A	13 A			2-#10, 1-#10, 1-#10 / 1/2"	Electric Range - Less than 3.5 kW...		30	2	10
11	--	--	--	--	--					3 A	13 A	--	--	--	--	--	12
13	1	20		REC JAN 309	1-#12, 1-#12, 1-#12 / 1/2"	2 A	22 A					2-#10, 1-#10, 1-#10 / 1/2"	Electric Clothes Dryer LAUNDRY 308		30	2	14
15	2	20		HVAC Room 30-B2, 30-B1	2-#12, 1-#12, 1-#12 / 1/2"			14 A	22 A			--	--	--	--	--	16
17	--	--	--	--	--					14 A	2 A	1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 30-B1	A	20	1	18
19																	20
21	2	20		Electric Clothes Dryer LAUNDRY 308	2-#12, 1-#12, 1-#12 / 1/2"			22 A									22
23	--	--	--	--	--					22 A							24
25																	26
27																	28
29																	30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	65 A		65 A		65 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	65 A
TOTAL ESTIMATED DEMAND...	55 A
DEMAND WITH EXPANSION:	65 A

PANELBOARD: PP-4A

LOCATION: CORRIDOR 401
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 225 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	3	100		PP-4C	3-#1, 1-#1, 1-#8 / EXST	65 A	1 A					1-#12, 1-#12, 1-#12 / 1/2"	MECH ROOM 510	A	20	1	2
3	--	--	--	--	--			65 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 46-A1	A	20	1	4
5	--	--	--	--	--					65 A	14 A	1-#12, 1-#12, 1-#12 / 1/2"	Room 46-A1, 46-A2, 46-A3	A	20	1	6
7	1	20	A	REC CORRIDOR 401	1-#10, 1-#10, 1-#10 / 1/2"	8 A	3 A					1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 48-A1	A	20	1	8
9	1	20	A	REC LIVING 46-A1	1-#12, 1-#12, 1-#12 / 1/2"			3 A	13 A			1-#12, 1-#12, 1-#12 / 1/2"	Room 46-A1, 46-A3, 46-A2	A	20	1	10
11	1	20	A	REC LIVING 49-A1	1-#12, 1-#12, 1-#12 / 1/2"					3 A	13 A	2-#10, 1-#10, 1-#10 / 1/2"	Electric Range - Less than 3.5 kW...		30	2	12
13	2	20		HVAC Room 46-A2, 46-A1	2-#12, 1-#12, 1-#12 / 1/2"	6 A	13 A					--	--	--	--	--	14
15	--	--	--	--	--			6 A	3 A			1-#12, 1-#12, 1-#12 / 1/2"	REC LIVING 49-A1	A	20	1	16
17	1	20	A	REC LIVING 48-A1	1-#12, 1-#12, 1-#12 / 1/2"					3 A	13 A	1-#10, 1-#10, 1-#10 / 1/2"	Room 49-A1, 49-A3, 49-A2	A	20	1	18
19	1	20	A	REC LIVING 47-A1	1-#12, 1-#12, 1-#12 / 1/2"	3 A	13 A					1-#12, 1-#12, 1-#12 / 1/2"	Room 47-A1, 47-A3, 47-A2	A	20	1	20
21	1	20	A	REC LIVING 47-A1	1-#12, 1-#12, 1-#12 / 1/2"			3 A	13 A			1-#12, 1-#12, 1-#12 / 1/2"	Room 48-A1, 48-A3, 48-A2	A	20	1	22
23	1	20	A	Room 49-A1, 49-A2, 49-A3	1-#10, 1-#10, 1-#10 / 1/2"					14 A							24
25	1	20	A	Room 47-A1, 47-A2, 47-A3	1-#12, 1-#12, 1-#12 / 1/2"	14 A	6 A					2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 47-A2, 47-A1		20	2	26
27	1	20	A	Room 48-A1, 48-A2, 48-A3	1-#12, 1-#12, 1-#12 / 1/2"			14 A	6 A			--	--	--	--	--	28
29	2	20		HVAC Room 49-A2, 49-A1	2-#12, 1-#12, 1-#12 / 1/2"					6 A							30
31	--	--	--	--	--	6 A	13 A					2-#10, 1-#10, 1-#10 / 1/2"	Electric Range - Less than 3.5 kW...		30	2	32
33	2	20		HVAC Room 48-A2, 48-A1	2-#12, 1-#12, 1-#12 / 1/2"			6 A	13 A			--	--	--	--	--	34
35	--	--	--	--	--					6 A	13 A	2-#10, 1-#10, 1-#10 / 1/2"	Electric Range - Less than 3.5 kW...		30	2	36
37							13 A					--	--	--	--	--	38
39	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 / 1/2"			13 A									40
41	--	--	--	--	--					13 A							42
					TOTAL AMPS:	155 A		155 A		155 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	155 A
TOTAL ESTIMATED DEMAND...	107 A
DEMAND WITH EXPANSION:	128 A

PANELBOARD: PP-3D

LOCATION: LINEN 305
SUPPLY FROM: PP-3B
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	1	20	A	REC LIVING 35-B1	1-#12, 1-#12, 1-#12 / 1/2"	2 A	6 A					1-#12, 1-#12, 1-#12 / 1/2"	LTG Room 304, 305, 306, 303	A	20	1	2
3	1	20	A	REC LIVING 35-B1	1-#12, 1-#12, 1-#12 / 1/2"			2 A	21 A			1-#10, 1-#10, 1-#10 / 1/2"	Room 35-B1, 35-B2, 35-B3	A	20	1	4
5	1	20	A	Room 35-B1, 35-B2	1-#12, 1-#12, 1-#12 / 1/2"					6 A	9 A	1-#10, 1-#10, 1-#10 / 1/2"	REC Room 305, 306, 303	A	20	1	6
7	1	20	A	REC Room 305, 306, 301, 303	1-#10, 1-#10, 1-#10 / 1/2"	12 A	6 A					2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 306, 303		20	2	8
9	2	20		Electric Range - Less than 3.5 kW...	2-#12, 1-#12, 1-#12 / 1/2"			13 A	6 A			--	--	--	--	--	10
11	--	--	--	--	--					13 A	14 A	2-#12, 1-#12, 1-#12 / 1/2"	HVAC Room 35-B2, 35-B1		20	2	12
13							14 A					--	--	--	--	--	14
15																	16
17																	18
19																	20
21																	22
23																	24
25																	26
27																	28
29																	30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	38 A		39 A		38 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	38 A
TOTAL ESTIMATED DEMAND...	25 A
DEMAND WITH EXPANSION:	30 A

PANELBOARD: PP-4B

LOCATION: CORRIDOR 401
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 150 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	3	100		PP-4D	3-#1, 1-#1, 1-#8 /	38 A	3 A					1-#12, 1-#12, 1-#12 /	REC LIVING 41-A1	A	20	1	2
3	--	--	--	--	--			38 A	7 A			1-#8, 1-#8, 1-#8 /	CORRIDOR 401	A	20	1	4
5	--	--	--	--	--					38 A	14 A	1-#10, 1-#10, 1-#10 /	Room 41-A1, 41-A2, 41-A3	A	20	1	6
7	1	20	A	REC LIVING 41-A1	1-#12, 1-#12, 1-#12 /	3 A	13 A					1-#10, 1-#10, 1-#10 /	Room 41-A1, 41-A3, 41-A2	A	20	1	8
9	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 /			13 A	3 A			1-#12, 1-#12, 1-#12 /	REC LIVING 44-A1	A	20	1	10
11	--	--	--	--	--					13 A	3 A	1-#12, 1-#12, 1-#12 /	REC LIVING 44-A1	A	20	1	12
13	2	20		HVAC Room 41-A2, 41-A1	2-#12, 1-#12, 1-#12 /	6 A	3 A					1-#12, 1-#12, 1-#12 /	REC LIVING 43-A1	A	20	1	14
15	--	--	--	--	--			6 A	3 A			1-#12, 1-#12, 1-#12 /	REC LIVING 42-A1	A	20	1	16
17	1	20	A	REC LIVING 43-A1	1-#12, 1-#12, 1-#12 /					3 A	13 A	1-#12, 1-#12, 1-#12 /	Room 44-A1, 44-A3, 44-A2	A	20	1	18
19	1	20	A	REC LIVING 42-A1	1-#12, 1-#12, 1-#12 /	3 A	13 A					1-#12, 1-#12, 1-#12 /	Room 42-A1, 42-A3, 42-A2	A	20	1	20
21	1	20	A	Room 43-A1, 43-A3, 43-A2	1-#12, 1-#12, 1-#12 /			13 A	14 A			1-#12, 1-#12, 1-#12 /	Room 43-A1, 43-A2, 43-A3	A	20	1	22
23	1	20	A	Room 44-A1, 44-A2, 44-A3	1-#12, 1-#12, 1-#12 /					14 A							24
25	1	20	A	Room 42-A1, 42-A2, 42-A3	1-#12, 1-#12, 1-#12 /	14 A	6 A					2-#12, 1-#12, 1-#12 /	HVAC Room 42-A2, 42-A1		20	2	26
27	2	20		HVAC Room 43-A2, 43-A1	2-#12, 1-#12, 1-#12 /			6 A	6 A			--	--	--	--	--	28
29	--	-	--	--	--					6 A	6 A	2-#12, 1-#12, 1-#12 /	HVAC Room 44-A2, 44-A1		20	2	30
31	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 /	13 A	6 A					--	--	--	--	--	32
33	--	--	--	--	--			13 A	13 A			2-#10, 1-#10, 1-#10 /	Electric Range - Less than 3.5 kW...		30	2	34
35	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 /					13 A	13 A	--	--	--	--	--	36
37	--	--	--	--	--	13 A											38
39																	40
41																	42
					TOTAL AMPS:	128 A		127 A		128 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	128 A
TOTAL ESTIMATED DEMAND...	75 A
DEMAND WITH EXPANSION:	89 A

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO.

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES	JCC	DRW	JCH	CHK	TED

PM / DM MLW/LEJ
BRANCH MANAGER
CHIEF ENG/ARCH DWG
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND
RENOVATION OF BUILDING 678
PANELBOARD SCHEDULES

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722143
SHEET 157 OF 177
E-707

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REV/DATE: 5/3/2016 8:43:16 AM

PANELBOARD: PP-4C

LOCATION: LAUNDRY 408
SUPPLY FROM: PP-4A
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	1	20	A	REC LAUNDRY 408	1-#12, 1-#12, 1-#12 /	3 A	6 A					1-#12, 1-#12, 1-#12 /	Room 40-B1, 40-B2	A	20	1	2
3	1	20	A	REC LIVING 40-B1	1-#12, 1-#12, 1-#12 /			2 A									4
5	1	20	A	LTG Room 407, 408, 409	1-#12, 1-#12, 1-#12 /					4 A	15 A	1-#12, 1-#12, 1-#12 /	REC LAUNDRY 408	A	20	1	6
7	1	20	A	REC LAUNDRY 408	1-#12, 1-#12, 1-#12 /	15 A	21 A					1-#10, 1-#10, 1-#10 /	Room 40-B1, 40-B2, 40-B3	A	20	1	8
9	2	20		HVAC LAUNDRY 408	2-#12, 1-#12, 1-#12 /			3 A	13 A			2-#10, 1-#10, 1-#10 /	Electric Range - 3.5 kW to 8.75 kW...		30	2	10
11	--	--	--	--	--					3 A	13 A	--	--	--	--	--	12
13	1	20	A	REC JAN 409	1-#12, 1-#12, 1-#12 /	2 A	22 A					2-#10, 1-#10, 1-#10 /	Electric Clothes Dryer LAUNDRY 408		30	2	14
15	2	20		HVAC Room 40-B2, 40-B1	2-#12, 1-#12, 1-#12 /			14 A	22 A			--	--	--	--	--	16
17	--	--	--	--	--					14 A	2 A	1-#12, 1-#12, 1-#12 /	REC LIVING 40-B1	A	20	1	18
19																	20
21	2	30		Electric Clothes Dryer LAUNDRY 408	2-#10, 1-#10, 1-#10 /			22 A									22
23	--	--	--	--	--					22 A							24
25																	26
27																	28
29																	30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	65 A		65 A		65 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	65 A
TOTAL ESTIMATED DEMAND...	55 A
DEMAND WITH EXPANSION:	66 A

PANELBOARD: PP-5A

LOCATION: CORRIDOR 501
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 225 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	3	100		PP-5C	3-#1, 1-#1, 1-#8 /	85 A	3 A					1-#12, 1-#12, 1-#12 /	REC LIVING 56-A1	A	20	1	2
3	--	--	--	--	--			87 A	13 A			1-#12, 1-#12, 1-#12 /	Room 56-A1, 56-A3, 56-A2	A	20	1	4
5	--	--	--	--	--					88 A	3 A	1-#12, 1-#12, 1-#12 /	REC LIVING 59-A1	A	20	1	6
7	1	20	A	REC LIVING 56-A1	1-#12, 1-#12, 1-#12 /	3 A	14 A					1-#12, 1-#12, 1-#12 /	Room 56-A1, 56-A2, 56-A3	A	20	1	8
9	1	20	A	REC LIVING 59-A1	1-#12, 1-#12, 1-#12 /			3 A	13 A			2-#10, 1-#10, 1-#10 /	Electric Range - Less than 3.5 kW...		30	2	10
11	2	20		HVAC Room 56-A2, 56-A1	2-#12, 1-#12, 1-#12 /					6 A	13 A	--	--	--	--	--	12
13	--	--	--	--	--	6 A	3 A					1-#12, 1-#12, 1-#12 /	REC LIVING 58-A1	A	20	1	14
15	1	20	A	REC LIVING 57-A1	1-#12, 1-#12, 1-#12 /			3 A	13 A			1-#12, 1-#12, 1-#12 /	Room 58-A1, 58-A3, 58-A2	A	20	1	16
17	1	20	A	REC LIVING 58-A1	1-#12, 1-#12, 1-#12 /					3 A	13 A	1-#10, 1-#10, 1-#10 /	Room 59-A1, 59-A3, 59-A2	A	20	1	18
19	1	20	A	REC LIVING 57-A1	1-#12, 1-#12, 1-#12 /	3 A	13 A					1-#12, 1-#12, 1-#12 /	Room 57-A1, 57-A3, 57-A2	A	20	1	20
21	1	20	A	Room 58-A1, 58-A2, 58-A3	1-#12, 1-#12, 1-#12 /			14 A	6 A			2-#12, 1-#12, 1-#12 /	HVAC Room 58-A2, 58-A1		20	2	22
23	1	20		Room 59-A1, 59-A2, 59-A3	1-#10, 1-#10, 1-#10 /					14 A	6 A	--	--	--	--	--	24
25	1	20	A	Room 57-A1, 57-A2, 57-A3	1-#12, 1-#12, 1-#12 /	14 A	8 A					1-#10, 1-#10, 1-#10 /	REC CORRIDOR 501	A	20	1	26
27	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 /			13 A									28
29	--	--	--	--	--					13 A	6 A	2-#12, 1-#12, 1-#12 /	HVAC Room 59-A2, 59-A1		20	2	30
31	2	20		HVAC Room 57-A2, 57-A1	2-#12, 1-#12, 1-#12 /	6 A	6 A					--	--	--	--	--	32
33	--	--	--	--	--			6 A									34
35											13 A	2-#10, 1-#10, 1-#10 /	Electric Range - Less than 3.5 kW...		30	2	36
37	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 /	13 A	13 A					--	--	--	--	--	38
39	--	--	--	--	--			13 A									40
41																	42
					TOTAL AMPS:	185 A		177 A		170 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	176 A
TOTAL ESTIMATED DEMAND...	117 A
DEMAND WITH EXPANSION:	141 A

PANELBOARD: PP-4D

LOCATION: LINEN 405
SUPPLY FROM: PP-4B
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	1	20	A	REC LIVING 45-B1	1-#12, 1-#12, 1-#12 /	2 A	6 A					1-#12, 1-#12, 1-#12 /	LTG Room 404, 405, 406, 403	A	20	1	2
3	1	20	A	REC LIVING 45-B1	1-#12, 1-#12, 1-#12 /			2 A	21 A			1-#10, 1-#10, 1-#10 /	Room 45-B1, 45-B2, 45-B3	A	20	1	4
5	1	20	A	Room 45-B1, 45-B2	1-#12, 1-#12, 1-#12 /					6 A	9 A	1-#10, 1-#10, 1-#10 /	REC Room 405, 406, 403	A	20	1	6
7	1	20	A	REC Room 405, 406, 401, 403	1-#10, 1-#10, 1-#10 /	12 A	6 A					2-#12, 1-#12, 1-#12 /	RECEPTACLE Room 406, 403	A	20	2	8
9	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 /			13 A	6 A			--	--	--	--	--	10
11	--	--	--	--	--					13 A	14 A	2-#12, 1-#12, 1-#12 /	HVAC Room 45-B2, 45-B1		20	2	12
13						14 A						--	--	--	--	--	14
15																	16
17																	18
19																	20
21																	22
23																	24
25																	26
27																	28
29																	30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	38 A		39 A		38 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	38 A
TOTAL ESTIMATED DEMAND...	24 A
DEMAND WITH EXPANSION:	28 A

PANELBOARD: PP-5B

LOCATION: CORRIDOR 501
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 150 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	3	100		PP-5D	3-#1, 1-#1, 1-#8 /	39 A	1 A					1-#12, 1-#12, 1-#12 /	MECH ROOM 510		20	1	2
3	--	--	--	--	--			41 A	13 A			1-#12, 1-#12, 1-#12 /	Room 54-A1, 54-A3, 54-A2	A	20	1	4
5	--	--	--	--	--					43 A	3 A	1-#12, 1-#12, 1-#12 /	REC LIVING 52-A1	A	20	1	6
7	1	20		CORRIDOR 501	1-#8, 1-#8, 1-#8 /	7 A	13 A					1-#12, 1-#12, 1-#12 /	Room 52-A1, 52-A3, 52-A2	A	20	1	8
9	1	20	A	Room 52-A1, 52-A2, 52-A3	1-#12, 1-#12, 1-#12 /			14 A	3 A			1-#12, 1-#12, 1-#12 /	REC LIVING 54-A1	A	20	1	10
11	1	20	A	Room 54-A1, 54-A2, 54-A3	1-#12, 1-#12, 1-#12 /					14 A	6 A	2-#12, 1-#12, 1-#12 /	HVAC Room 54-A2, 54-A1		20	2	12
13	2	20		HVAC Room 52-A2, 52-A1	2-#12, 1-#12, 1-#12 /	6 A	6 A					--	--	--	--	--	14
15	--	--	--	--	--			6 A	13 A			2-#10, 1-#10, 1-#10 /	Electric Range - Less than 3.5 kW...		30	2	16
17	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 /					13 A	13 A	--	--	--	--	--	18
19	--	--	--	--	--	13 A	3 A					1-#12, 1-#12, 1-#12 /	REC LIVING 52-A1	A	20	1	20
21																	22
23	1	20	A	REC LIVING 54-A1	1-#12, 1-#12, 1-#12 /					3 A							24
25																	26
27																	28
29																	30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	85 A		88 A		90 A							

***NOTES:**
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	87 A
TOTAL ESTIMATED DEMAND...	54 A
DEMAND WITH EXPANSION:	65 A

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEDAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES JCC	DRW JCH	CHK TED
PM / DM	MLW/LEJ	
BRANCH MANAGER		
CHIEF ENG/ARCH	DWG	
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NEWPORT, RHODE ISLAND
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

PANELBOARD SCHEDULES

SCALE: **AS NOTED**
EPROJECT NO. **1382693**
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. **12722144**
SHEET **158** OF **177**

E-708

DRAWFORM REVISION: 10 MAY 2014

FILE NAME: C:\Revit_Projects\87997-NGISB678\Models\MEP\87997_E_jccashwell.rvt
REV/DATE: 5/3/2016 8:43:17 AM

PANELBOARD: PP-FA

LOCATION: MECH ROOM 205
SUPPLY FROM: PP-2D
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: 10,000
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	1	20	R	AMP	1-#12, 1-#12, 1-#12 /	1 A	2 A					1-#12, 1-#12, 1-#12 /	NAC	R	20	1	2
3	1	20	R	FACP	1-#12, 1-#12, 1-#12 /			1 A	1 A			1-#12, 1-#12, 1-#12 /	NAC	R	20	1	4
5	1	20	R	NAC PANEL	1-#12, 1-#12, 1-#12 /					1 A							6
7																	8
9																	10
11																	12
					TOTAL AMPS:	3 A		2 A		1 A							

*NOTES:
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	1 A
TOTAL ESTIMATED DEMAND...	1 A
DEMAND WITH EXPANSION:	2 A

PANELBOARD: PP-5C

LOCATION: LAUNDRY 508
SUPPLY FROM: PP-5A
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	1	20	A	LTG Room 508, 509, 507	1-#12, 1-#12, 1-#12 /	4 A	14 A					1-#12, 1-#12, 1-#12 /	Room 51-A1, 51-A2, 51-A3	A	20	1	2
3	1	20	A	Room 50-B1, 50-B2	1-#12, 1-#12, 1-#12 /			6 A	21 A			1-#10, 1-#10, 1-#10 /	Room 50-B1, 50-B2, 50-B3	A	20	1	4
5	1	20	A	Room 51-A1, 51-A3, 51-A2	1-#12, 1-#12, 1-#12 /					13 A	15 A	1-#12, 1-#12, 1-#12 /	REC LAUNDRY 508		20	1	6
7	1	20		REC LAUNDRY 508	1-#12, 1-#12, 1-#12 /	15 A	3 A					2-#12, 1-#12, 1-#12 /	HVAC LAUNDRY 508		20	2	8
9	1	20		REC LIVING 50-B1	1-#12, 1-#12, 1-#12 /			2 A	3 A			--	--	--	--	--	10
11	2	20		HVAC Room 51-A2, 51-A1	2-#12, 1-#12, 1-#12 /					6 A	2 A	1-#12, 1-#12, 1-#12 /	REC LIVING 50-B1	A	20	1	12
13	--	--	--	--	--	6 A	13 A					2-#10, 1-#10, 1-#10 /	Electric Range - Less than 3.5 kW...		30	2	14
15	1	20	A	REC LIVING 51-A1	1-#12, 1-#12, 1-#12 /			3 A	13 A			--	--	--	--	--	16
17	1	20		REC JAN 509	1-#12, 1-#12, 1-#12 /					2 A	3 A	1-#12, 1-#12, 1-#12 /	REC LIVING 51-A1	A	20	1	18
19	1	20		REC LAUNDRY 508	1-#12, 1-#12, 1-#12 /	3 A	14 A					2-#12, 1-#12, 1-#12 /	HVAC Room 50-B2, 50-B1		20	2	20
21	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 /			13 A	14 A			--	--	--	--	--	22
23	--	--	--	--	--					13 A	22 A	2-#10, 1-#10, 1-#10 /	Electric Clothes Dryer LAUNDRY 508		30	2	24
25							22 A					--	--	--	--	--	26
27	2	30		Electric Clothes Dryer LAUNDRY 508	2-#10, 1-#10, 1-#10 /			22 A									28
29	--	--	--	--	--					22 A							30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	85 A		87 A		88 A							

*NOTES:
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	87 A
TOTAL ESTIMATED DEMAND...	69 A
DEMAND WITH EXPANSION:	82 A

PANELBOARD: PP-5D

LOCATION: LINEN 505
SUPPLY FROM: PP-5B
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
VOLTAGE: 120/208 Wye
PHASE: 3
WIRES: 4
A.I.C. RATING: EXST
MAINS TYPE: MLO
MAINS RATING: 225 A

NOTES:
PANELBOARD IS EXISTING

#	P	BKR	*	LOAD SERVED	WIRE SIZE / CONDUIT	A		B		C		WIRE SIZE / CONDUIT	LOAD SERVED	*	BKR	P	#
1	1	20	A	REC LIVING 55-B1	1-#12, 1-#12, 1-#12 /	2 A	6 A					1-#12, 1-#12, 1-#12 /	LTG Room 504, 505, 506, 503	A	20	1	2
3	1	20	A	REC LIVING 55-B1	1-#12, 1-#12, 1-#12 /			2 A	21 A			1-#10, 1-#10, 1-#10 /	Room 55-B1, 55-B2, 55-B3	A	20	1	4
5	1	20	A	Room 55-B1, 55-B2	1-#12, 1-#12, 1-#12 /					6 A	11 A	1-#10, 1-#10, 1-#10 /	REC Room 505, 506, 503	A	20	1	6
7	1	20	A	REC Room 505, 506, 501, 503	1-#10, 1-#10, 1-#10 /	11 A	6 A					2-#12, 1-#12, 1-#12 /	HVAC Room 506, 503		20	2	8
9	2	30		Electric Range - Less than 3.5 kW...	2-#10, 1-#10, 1-#10 /			13 A	6 A			--	--	--	--	--	10
11	--	--	--	--	--					13 A	14 A	2-#12, 1-#12, 1-#12 /	HVAC Room 55-B2, 55-B1		20	2	12
13	1	20		Receptacle (Hotel) LINEN 505	1-#12, 1-#12, 1-#12 /	3 A	14 A					--	--	--	--	--	14
15	1	20		REC DISHWASHER 506	1-#12, 1-#12, 1-#12 /			2 A	2 A			1-#12, 1-#12, 1-#12 /	REC REF RM 506		20	1	16
17	1	20		REC MICROWAVE 506	1-#12, 1-#12, 1-#12 /					2 A	2 A	1-#12, 1-#12, 1-#12 /	REC MICROWAVE 506		20	1	18
19																	20
21																	22
23																	24
25																	26
27																	28
29																	30
31																	32
33																	34
35																	36
37																	38
39																	40
41																	42
					TOTAL AMPS:	39 A		42 A		43 A							

*NOTES:
A ARC FAULT INTERRUPTING
G GROUND FAULT INTERRUPTING
R RED LOCKABLE BREAKER

PANEL TOTALS	
TOTAL CONNECTED CURRENT:	41 A
TOTAL ESTIMATED DEMAND...	27 A
DEMAND WITH EXPANSION:	32 A

SYM	DESCRIPTION	DATE	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
JUSTIN C. CASHWELL
Lic. No.047237
5/4/16
PROFESSIONAL ENGINEER
SEAL

BURNS McDONNELL
1305 EXECUTIVE BLVD.
SUITE 160
CHESAPEAKE, VA 23320
A/E INFO

APPROVED
David W. Grunfeld
FOR COMMANDER NAVFAC

ACTIVITY
PER SAT-TO DOCUMENT FROM GERARD MONTANI (PM&BRANCH HEAD) WITH FEAD AT NAVAL STATION NEWPORT-NEWPORT, RI

SATISFACTORY TO DATE 4/20/16

DES	JCC	DRW	JCH	CHK	TED
PM / DM			MLW/LEJ		
BRANCH MANAGER					
CHIEF ENG/ARCH			DWG		
FIRE PROTECTION					

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDLANT
NORTH IPT
NAVAL STATION NEWPORT
NEWPORT, RHODE ISLAND

RENOVATION OF BUILDING 678

PANELBOARD SCHEDULES

SCALE: AS NOTED
EPROJECT NO. 1382693
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12722145
SHEET 159 OF 177

E-709

DRAW/FORM REVISION: 10 MAY 2014

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