A1 SECOND FLOOR PLAN AREA B - LIGHTING

1/8" = 1'-0"

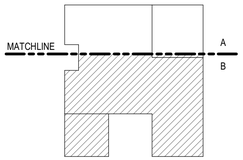
GENERAL SHEET NOTES

SHEET KEYNOTES

1 SUSPEND P3A FIXTURES IN THIS ROOM AT 25' AFF, UON.

2 TO LIGHT FIXTURES ON FIRST FLOOR.

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/25	

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES	BSP	DRW MSW	CHK SPS
PMDM			JT/SW
BRANCH MANAGER			WRB
CHIEF ENG/ARCH			JWJ
FIRE PROTECTION			HPN

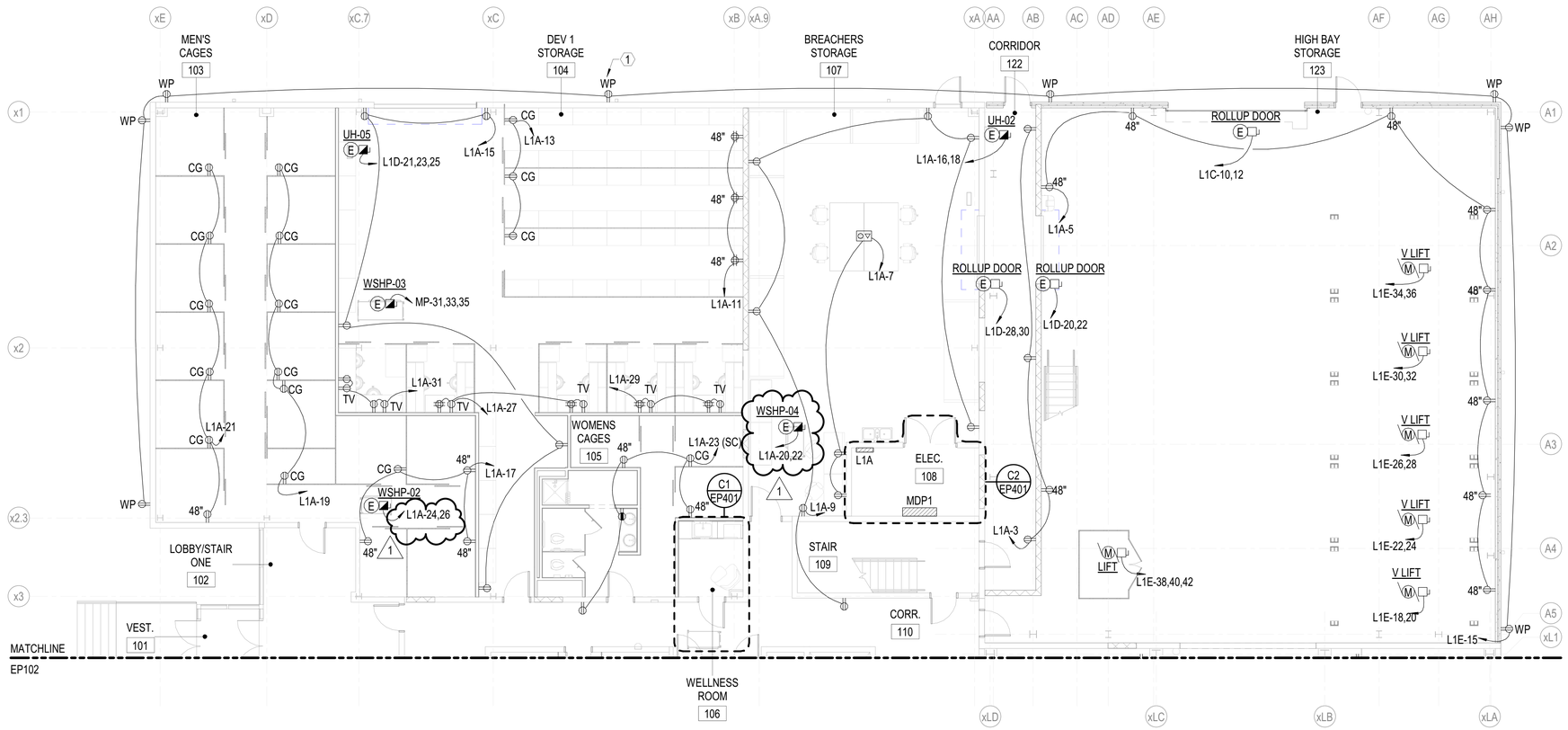
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
SECOND FLOOR PLAN AREA B - LIGHTING

SCALE: AS NOTED
EPROJECT NO.: 1625040
CONSTR. CONTR. NO. N40085-19-D-9041
NAVFAC DRAWING NO. 12929083
SHEET 178 OF 239

EL104

DRAWFORM REVISION: 25 AUGUST 2020

11/20/2025 8:36:13 AM EL104
C:\Users\Brian.Pacansky\Documents\BLDG\Q1075-1625040-E_brian.pacansky@BKVE.rvt



1 FIRST FLOOR PLAN AREA A - POWER

NOT TO SCALE

GENERAL SHEET NOTES

SHEET KEYNOTES

1 REUSE JUNCTION BOX ABANDONED DURING DEMOLITION OF EXISTING RECEPTACLE. PROVIDE EXTENSION RING.

SYM	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/25	

NAVFAC

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

SEAL

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES BSP DRW MSW CHK SPS

PMDM JT/SW

BRANCH MANAGER WRB

CHIEF ENG/ARCH JWJ

FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
FIRST FLOOR PLAN AREA A - POWER

SCALE: AS NOTED

EPROJECT NO.: 1625040

CONSTR. CONTR. NO. N40085-19-D-9041

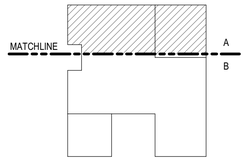
NAVFAC DRAWING NO. 12929087

SHEET 182 OF 239

EP101

DRAWFORM REVISION: 25 AUGUST 2020

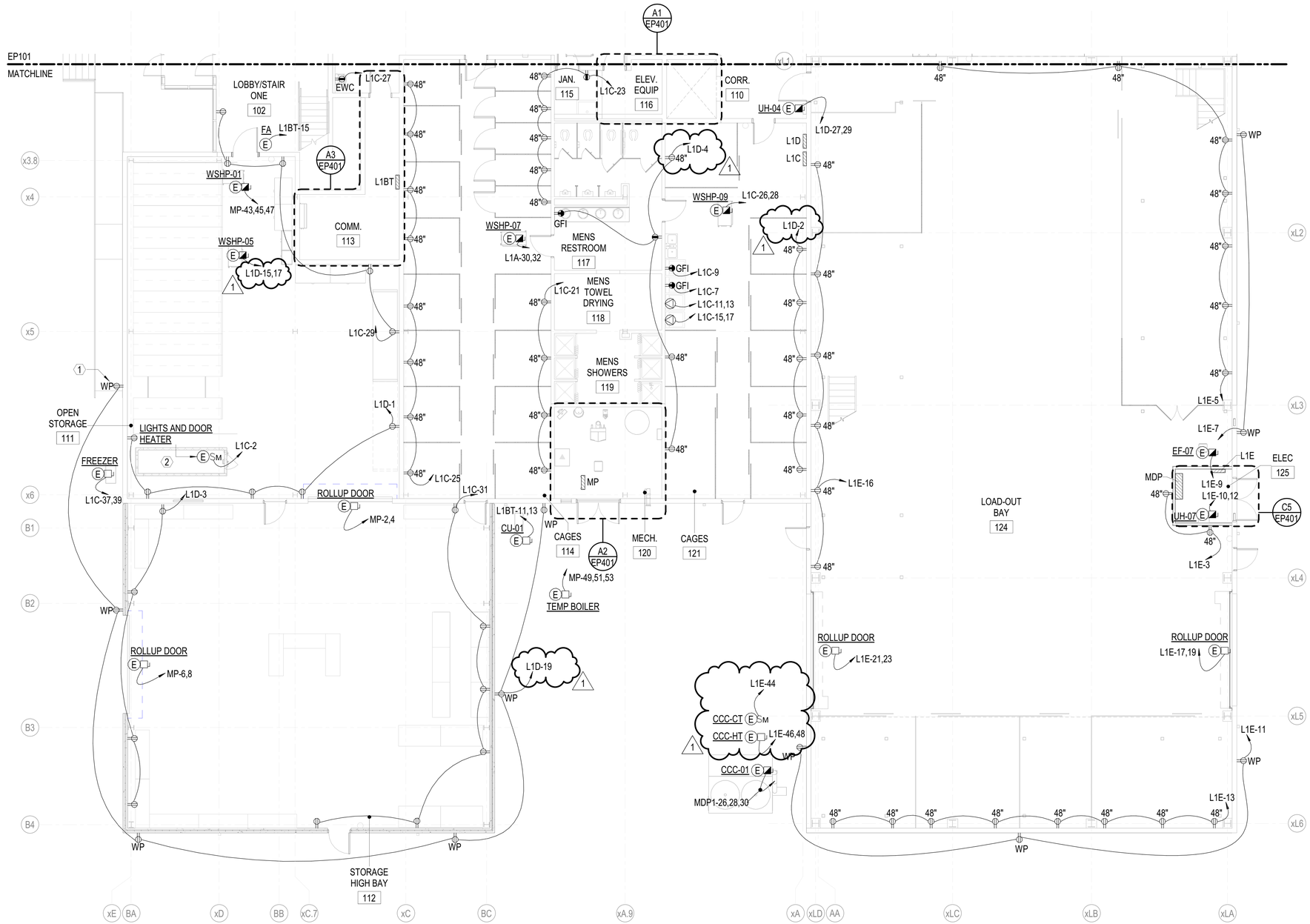
KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

11/20/2025 8:36:17 AM
EP101
C:\Users\Brian.Pacansky\Documents\BLDGQ1075-1625040-E_brian.pacansky\QBKVE.rvt



A1 FIRST FLOOR PLAN AREA B - POWER

NOT TO SCALE

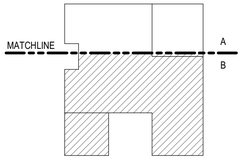
GENERAL SHEET NOTES

SHEET KEYNOTES

1 REUSE JUNCTION BOX ABANDONED DURING DEMOLITION OF EXISTING RECEPTACLE. PROVIDE EXTENSION RING.

2 THE WALK-IN FREEZER MUST REMAIN OPERATIONAL WITH MINIMAL DISCONNECTION DURING CONSTRUCTION. PROVIDE A PORTABLE GENERATOR AS REQUIRED TO MAINTAIN SERVICE TO WALK-IN FREEZER.

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/25	

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES BSP	DRW MSW	CHK SPS	
PM/DM			JT/SW
BRANCH MANAGER			WRB
CHIEF ENG/ARCH			JWJ
FIRE PROTECTION			HPN

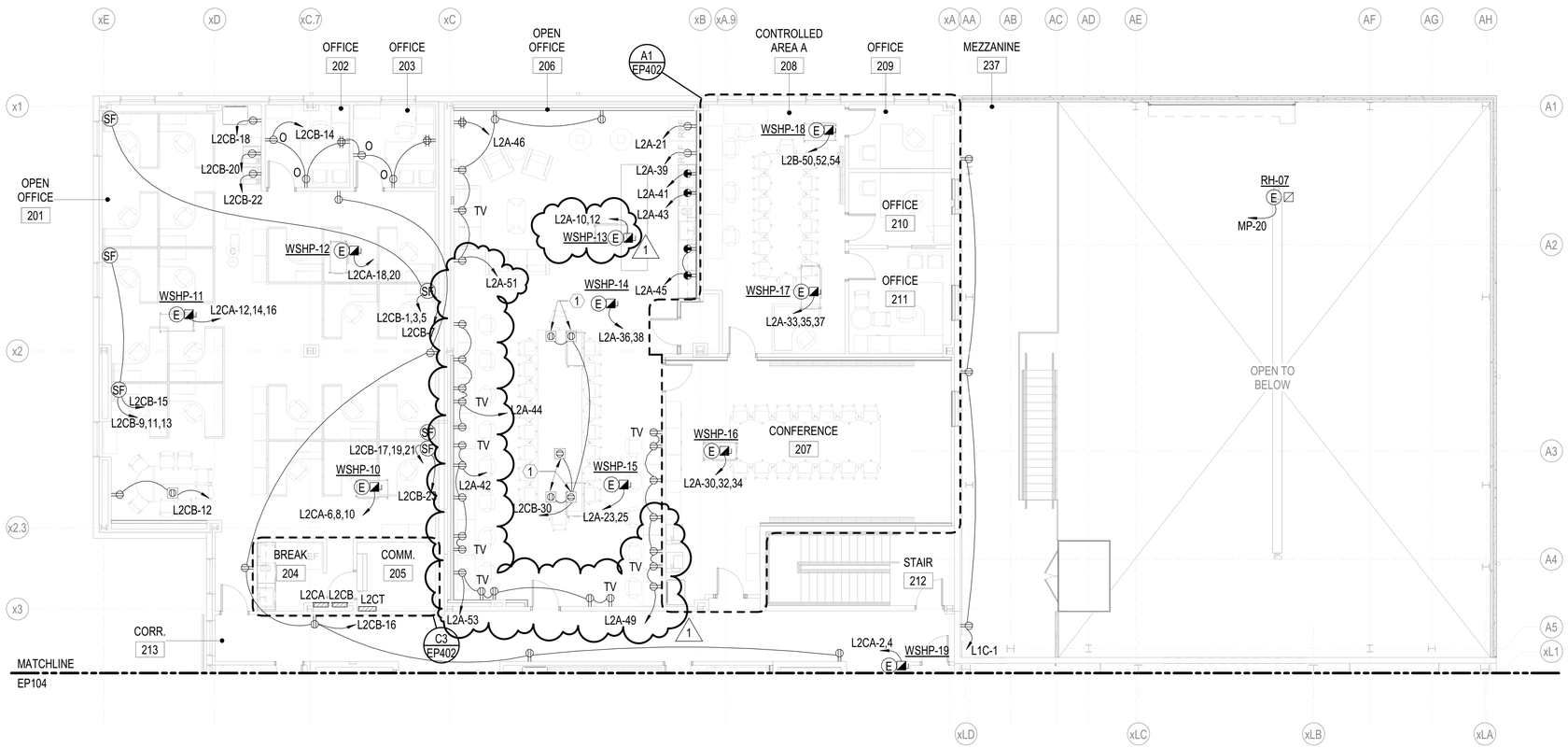
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
FIRST FLOOR PLAN AREA B - POWER

SCALE: AS NOTED
EPROJECT NO.: 1625040
CONSTR. CONTR. NO. N40085-19-D-9041
NAVFAC DRAWING NO. 12929088
SHEET 183 OF 239

EP102

DRAWFORM REVISION: 25 AUGUST 2020

11/20/2025 8:36:21 AM
C:\Users\Brian.Pacansky\Documents\BLDGO1075-1625040-E_brian.pacansky.QBKVE.rvt
EP102



A1 SECOND FLOOR PLAN AREA A - POWER

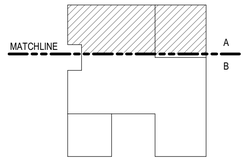
1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

1 CORE DRILL AND X-RAY TO PROVIDE A 4AT POKE-THRU DEVICE WITH ONE DUPLEX RECEPTACLE.

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/25	

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY: Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES	BSP	DRW	MSW	CHK	SPS

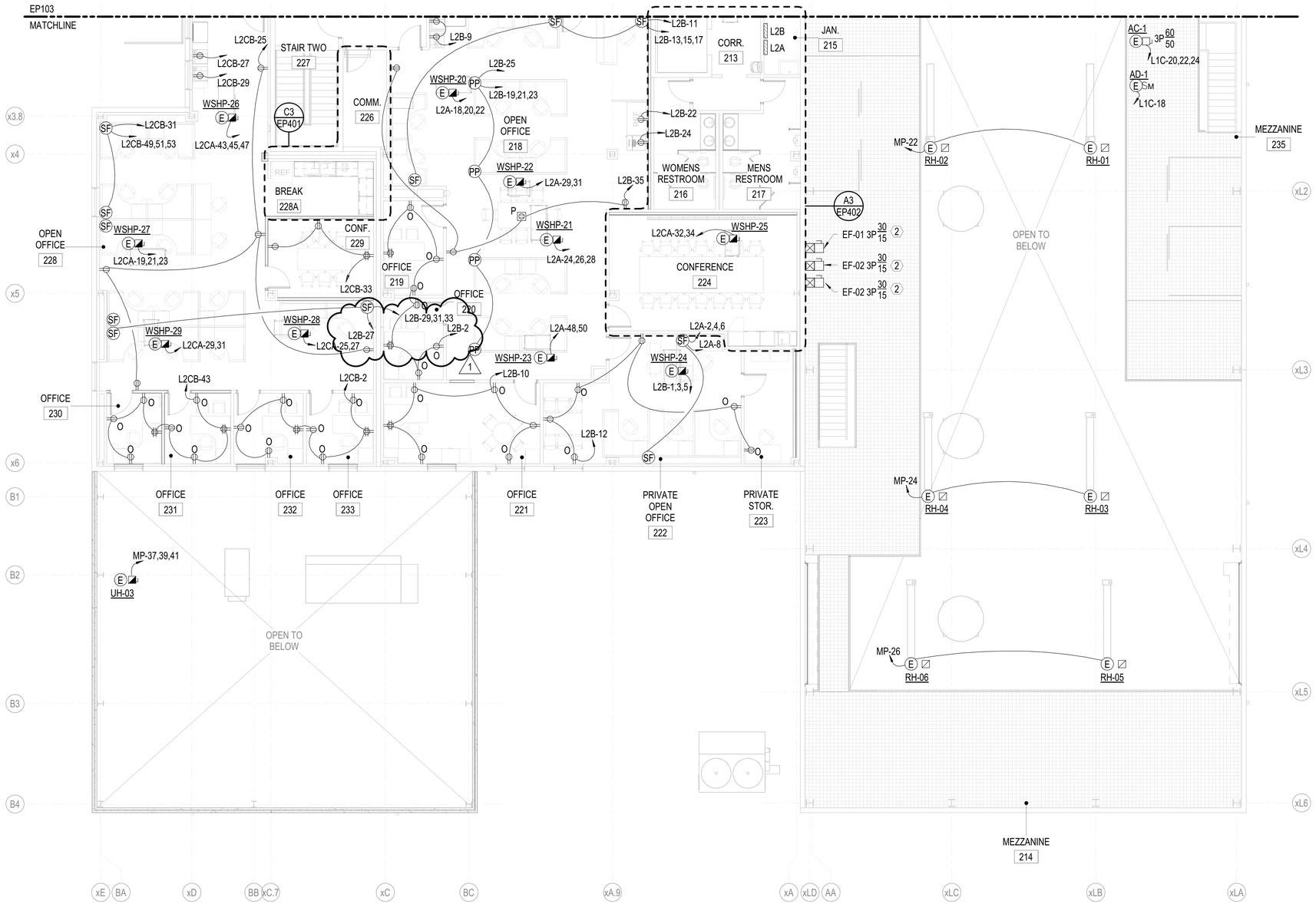
PMDM	JT/SW
BRANCH MANAGER	WRB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
SECOND FLOOR PLAN AREA A - POWER

SCALE: AS NOTED
EPROJECT NO.: 1625040
CONSTR. CONTR. NO. N40085-19-D-9041
NAVFAC DRAWING NO. 12929089
SHEET 184 OF 239
EP103

DRAWFORM REVISION: 25 AUGUST 2020

EP103
11/20/2025 8:36:26 AM
C:\Users\Brian.Pacansky\Documents\BLDGQ10175-1625040_Brian.pacansky\QBKVE.rvt



A1 SECOND FLOOR PLAN AREA B - POWER

1/8" = 1'-0"

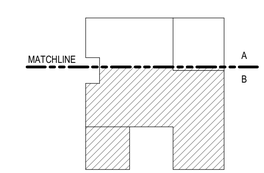
GENERAL SHEET NOTES

SHEET KEYNOTES

2 PROVIDE NEW STARTERS AND DISCONNECT SWITCHES TO REFEED ROOF MOUNTED EXHAUST FAN INDICATED.

SYM	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/25	

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES	BSP	DRW	MSW	CHK	SPS

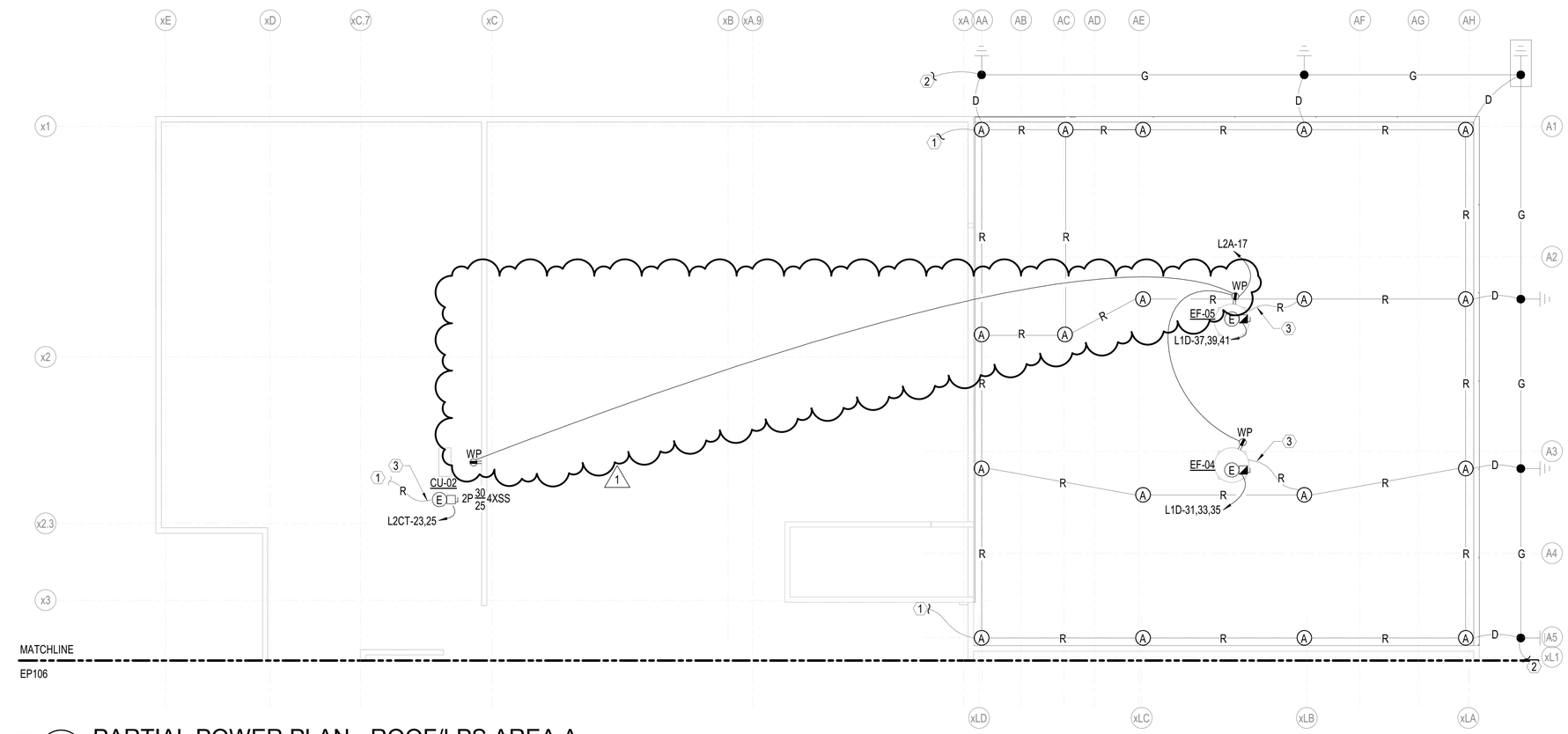
PMDM	JT/SW
BRANCH MANAGER	WRB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
SECOND FLOOR PLAN AREA B - POWER

SCALE: AS NOTED
EPROJECT NO.: 1625040
CONSTR. CONTR. NO. N40085-19-D-9041
NAVFAC DRAWING NO. 12929090
SHEET 185 OF 239
EP104

DRAWFORM REVISION: 25 AUGUST 2020

11/20/2025 8:36:30 AM EP104
C:\Users\Brian.Pacansky\Documents\BLDG\Q1075-1625040_E_brian.pacansky\QBRK\VE.rvt



A1 PARTIAL POWER PLAN - ROOF/LPS AREA A

1/8" = 1'-0"

GENERAL SHEET NOTES

A. THE LIGHTNING PROTECTION SYSTEM LAYOUT AS SHOWN IS INTENDED TO DEPICT THE AREA OF COVERAGE AND GENERAL LAYOUT, BUT IS NOT REPRESENTATIVE OF ALL THE COMPONENTS REQUIRED. THE LIGHTNING PROTECTION SYSTEM INSTALLER MUST PROVIDE A COMPLETE SYSTEM IN ACCORDANCE WITH THE APPROVED SHOP DRAWING.

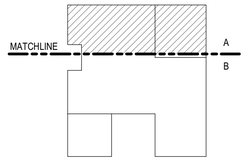
SHEET KEYNOTES

1 PROVIDE CONNECTION TO EXISTING LIGHTNING PROTECTION ROOF CONDUCTORS.

2 PROVIDE CONNECTION TO EXISTING GROUND LOOP CONDUCTORS.

3 PROVIDE CONNECTION TO EQUIPMENT INDICATED.

KEY PLAN



GRAPHIC SCALE(S)

1/8" = 1' - 0" 0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/25	

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES	BSP	DRW MSW	CHK SPS
PMDM			JT/SW
BRANCH MANAGER			WRB
CHIEF ENG/ARCH			JWJ
FIRE PROTECTION			HPN

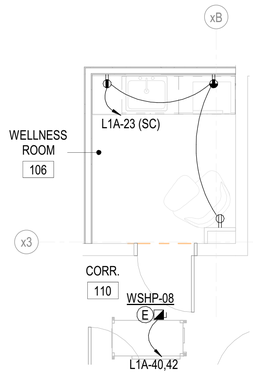
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
PARTIAL POWER PLAN - ROOF/LPS AREA A

SCALE: AS NOTED
EPROJECT NO.: 1625040
CONSTR. CONTR. NO. N40085-19-D-9041
NAVFAC DRAWING NO. 12929091
SHEET 186 OF 239

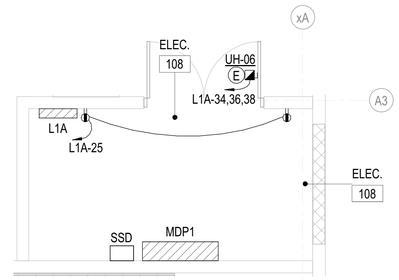
EP105

DRAWFORM REVISION: 25 AUGUST 2020

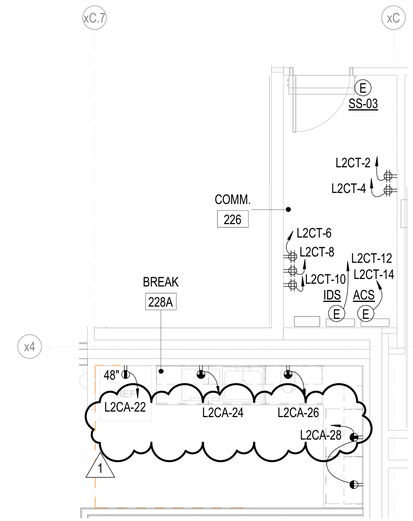
11/20/2025 8:36:32 AM
C:\Users\Brian.Pacansky\Documents\BLDGQ1075-1625040-E_brian.pacansky@BKVE.rvt
EP105



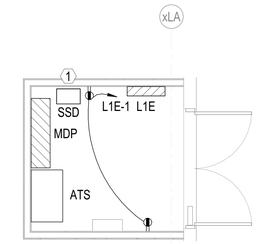
C1 ENLARGED POWER PLAN RM 106
1/4" = 1'-0"



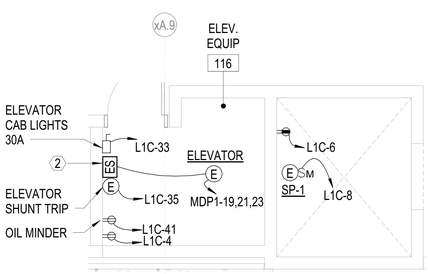
C2 ENLARGED POWER PLAN RM 108
1/4" = 1'-0"



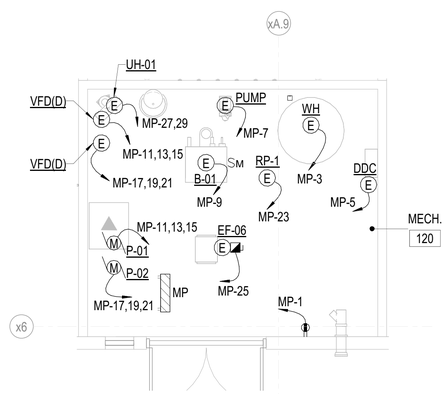
C3 ENLARGED POWER RMS 226 & 229
1/4" = 1'-0"



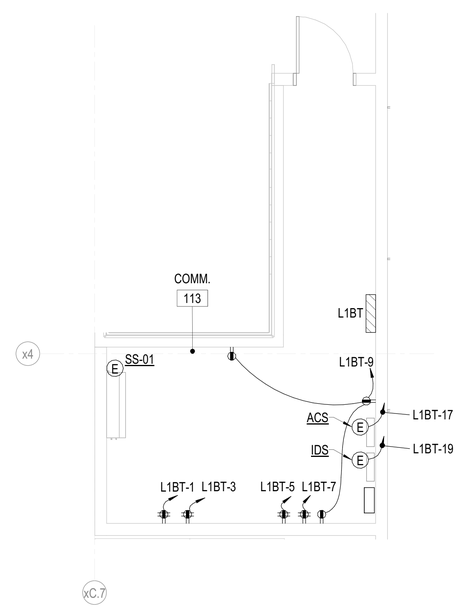
C5 ENLARGED POWER PLAN RM 125
1/4" = 1'-0"



A1 ENLARGED POWER PLAN RM 116
1/4" = 1'-0"



A2 ENLARGED POWER PLAN RM 120
1/4" = 1'-0"



A3 ENLARGED POWER RM 113
1/4" = 1'-0"

SHEET KEYNOTES

1 LOCATE SURGE SUPPRESSION DEVICE SO THE BOTTOM IS AT 6'-6" AFF, ABOVE PANEL MDP WORKING CLEARANCE.

2 200A ELEVATOR CONTROL SWITCH WITH INTEGRAL SHUNT TRIP AND AUXILIARY STATUS RELAYS.

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/25	

NAVFAC

SEAL

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES	BSP	DRW	MSW	CHK	SPS

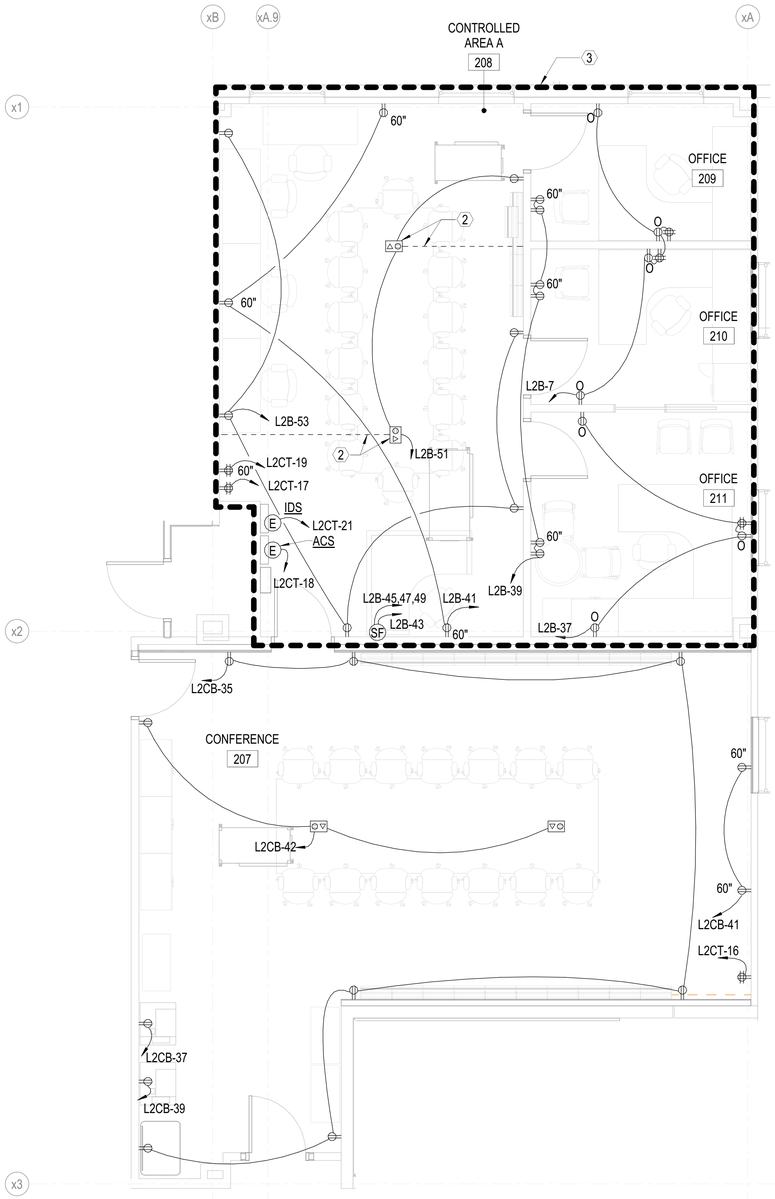
PMDM	JT/SW
BRANCH MANAGER	WRB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
ENLARGED PLANS, MAIN ELEC ROOM, ELEC & CLOSETS

SCALE: AS NOTED
EPROJECT NO.: 1625040
CONSTR. CONTR. NO. N40085-19-D-9041
NAVFAC DRAWING NO. 12929093
SHEET 188 OF 239
EP401

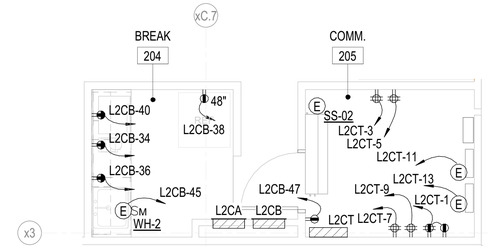
DRAWFORM REVISION: 25 AUGUST 2020

EP401
11/20/2025 8:36:38 AM
C:\Users\Brian.Pacansky\Documents\BLDGQ1075-1625040_E_brian.pacansky@BKVE.rvt



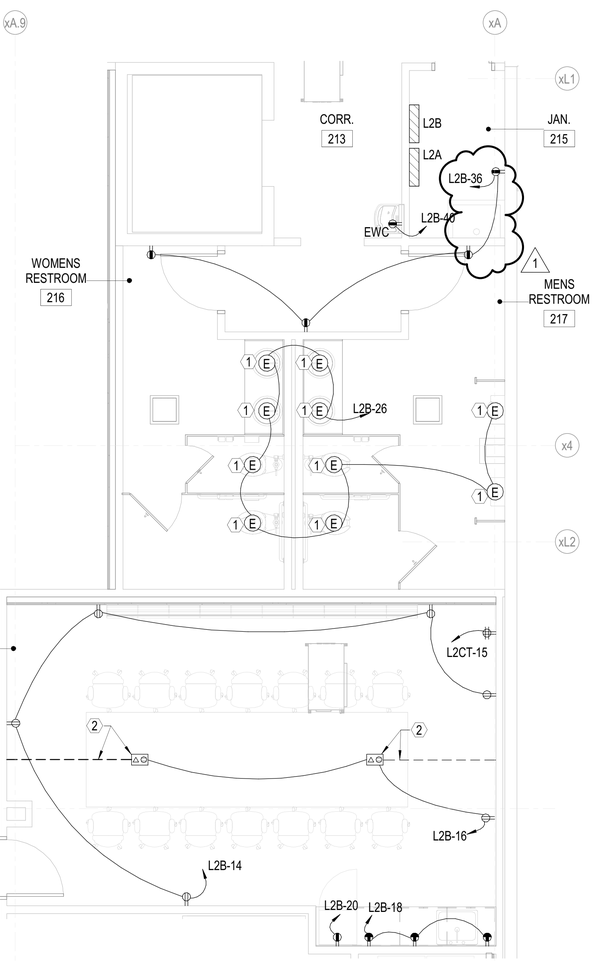
A1 ENLARGED POWER PLAN RMS 206, 207 & 208

1/4" = 1'-0"



C3 ENLARGED POWER PLAN RMS 204 & 205

1/4" = 1'-0"



A3 ENLARGED POWER RM 224

1/4" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

1 PROVIDE HARDWIRE CONNECTION FOR ELECTRICALLY CONTROLLED PLUMBING FIXTURE.

2 PROVIDE UNDER CARPET DATA/POWER/DATA, 3 SECTION RACEWAY WITH 2 DATA COMPARTMENTS ON THE OUTSIDE AND ONE POWER COMPARTMENT IN THE MIDDLE TO RUN POWER AND TELECOM TO TABLE WITHOUT CUTTING THE FLOOR. RACEWAY SHALL BE 0.7 INCHES TALL MAXIMUM AND HAVE 15 INCHES OF HORIZONTAL RISE ON THE OUTSIDE OF THE RACEWAY.

3 REUSE EXISTING CONDUIT, PENETRATIONS THROUGH THE OUTSIDE WALLS AND DEVICE BOXES IN THIS AREA ALONG THE DASHED LINE. TO MINIMIZE DISTURBANCE TO THE WALLS. FIELD VERIFY THE EXACT LOCATION OF EXISTING RECEPTACLES. THE LOCATION OF RECEPTACLES SHOWN ON THE PLAN ARE TO SHOW CIRCUITING AND QUANTITY ONLY. IF NEW DEVICES ARE REQUIRED IN EXTERIOR WALLS OR WALLS ON THE OUTER EDGE OF THIS ENLARGED PLAN, THEY MUST BE SURFACE MOUNTED.

GRAPHIC SCALE(S)

1/4" = 1' - 0" 0 1' 5' 10' 15'

SYM	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/25	

NAVFAC

SEAL

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES BSP	DRW MSW	CHK SPS	
PMDM			JT/SW
BRANCH MANAGER			WRB
CHIEF ENG/ARCH			JWJ
FIRE PROTECTION			HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
ENLARGED PLANS

SCALE: AS NOTED
EPROJECT NO.: 1625040
CONSTR. CONTR. NO. N40085-19-D-9041
NAVFAC DRAWING NO. 12929094
SHEET 189 OF 239
EP402

DRAWFORM REVISION: 25 AUGUST 2020

11/20/2025 8:36:41 AM EP402
C:\Users\Brian.Pacansky\Documents\BLDCQ1075-1625040-E_brian.pacansky.QBKVE.rvt

PANEL L1A SCHEDULE

225 AMP MLO | 208Y/120 VOLTS | 3PH, 4W, SN | MIN. 10 KAIC | SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	REC EWC 107	3/4	12	20	4.0	0.5	A	1.6	13.0	20	12	3/4	LTS 102,110,107,122	2
3	REC CORR 122	3/4	12	20	6.0	0.7	B	1.3	10.9	20	12	3/4	LTS 104,105,106	4
5	REC HIGH BAY 123	3/4	12	20	12.0	1.4	C	1.4	11.8	20	12	3/4	LTS 103,104	6
7	REC BREACHERS 107	3/4	12	20	4.5	0.5	A	0.4	3.0	20	12	3/4	LTS HIGH BAY 123	8
9	REC BREACHERS 107	3/4	12	20	13.5	1.6	B	0.4	3.3	20	12	3/4	LTS EXTERIOR EAST	10
11	REC DEV 104	3/4	12	20	9.0	1.1	C	1.0	8.0	20	12	3/4	LTS EXTERIOR WEST	12
13	REC DEV 104	3/4	12	20	10.5	1.3	A	0.4	3.0	20	12	3/4	LTS STAIR 3	14
15	REC DEV 104	3/4	12	20	7.5	0.9	B	1.5	8.2	20	12	3/4	UH-02	16
17	REC DEV 104	3/4	12	20	9.0	1.1	C	1.5	14.4	20	12	3/4	UH-01	18
19	REC MEN'S CAGES 103	3/4	12	20	9.0	1.1	A	1.2	11.9	15	12	3/4	WSHP-04	20
21	REC MEN'S CAGES 103	3/4	12	20	9.0	1.1	B	1.2	11.9					22
23	REC WOMENS CAGE 105	3/4	12	20	12.0	1.4	C	0.9	8.2	15	12	3/4	WSHP 02	24
25	REC ELEC 108	3/4	12	20	3.0	0.4	A	0.9	8.2					26
27	REC DEV 1 STOR SOUTH	3/4	12	20	9.0	1.1	B			20			SPARE	28
29	REC DEV 1 STOR SE	3/4	12	20	9.0	1.1	C	0.9	8.2	15		3/4	WSHP-07	30
31	REC DEV 1 STOR SW	3/4	12	20	6.0	0.7	A	0.9	8.2					32
33	SYSTEM FURNITURE 104	3/4	12	20	0.9	0.1	B	1.7	13.8	20	12	3/4	UH 06	34
35	WSHP-06	3/4	8	40	22.4	2.7	C	1.7	13.8					36
37	SPARE				22.4	2.7	A	1.7	13.8					38
39	SPARE				22.4	2.7	B	0.7	7.0	15	12	3/4	WSHP-08	40
41	SPARE			20			C	0.7	7.0					42
43	SPARE			20			A						BUSSED SPACE	44
45	SPARE			20			B						BUSSED SPACE	46
47	SPARE			20			C						BUSSED SPACE	48
49	SPARE			20			A						BUSSED SPACE	50
51	SPARE			20			B						BUSSED SPACE	52
53	SPARE			20			C						BUSSED SPACE	54

TOTAL AMPS (CONN. LOAD)	A:	116.8	B:	125.3	C:	139.8	
TOTAL AMPS (FEEDTHRU)	A:		B:		C:		
TOTAL AMPS (CONN. LOAD + FEED-THRU)	A:	116.8	B:	125.3	C:	139.8	

PANELBOARD OPTIONS:

PANELBOARD NOTES:
LOCATION: ELEC 124

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	6.4 KVA	KVA	KVA	6.4 KVA	1.25	8.0 KVA
RECEPTACLES	13.9 KVA	KVA	KVA	13.9 KVA	NEC	12.0 KVA
MECH EQUIP	20.4 KVA	KVA	KVA	20.4 KVA	1.00	20.4 KVA
ELECTRIC HEAT	3.0 KVA	KVA	KVA	3.0 KVA	1.25	3.8 KVA
MISCELLANEOUS	2.2 KVA	KVA	KVA	2.2 KVA	1.00	2.2 KVA
ELEVATOR	KVA	KVA	KVA	KVA	0.80	KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	45.8 KVA	KVA	KVA	45.8 KVA		46.2 KVA
TOTALS (CONN. KVA + 20%)	55.0 KVA	KVA	KVA	55.0 KVA		55.5 KVA
TOTALS (CONN. AMPS)	127.2 AMPS	AMPS	AMPS	127.2 AMPS		128.3 AMPS
TOTALS (CONN. AMPS + 20%)	152.7 AMPS	AMPS	AMPS	152.7 AMPS		153.9 AMPS

PANEL L1BT SCHEDULE

225 AMP MLO | 208Y/120 VOLTS | 3PH, 4W, SN | MIN. 10 KAIC | SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	REC 103 RACK	3/4	12	20	3.0	0.4	A			20			SPARE	2
3	REC 103 RACK	3/4	12	20	3.0	0.4	B			20			SPARE	4
5	REC 103 RACK	3/4	12	20	3.0	0.4	C			20			SPARE	6
7	REC 103 RACK	3/4	12	20	3.0	0.4	A			20			SPARE	8
9	REC 103 RACK	3/4	12	20	4.5	0.5	B			20			SPARE	10
11	CU-01/SS	3/4	10	30	16.0	1.7	C			20			SPARE	12
13					16.0	1.7	A			20			SPARE	14
15	FIRE ALARM (NOTE 1)	3/4	12	20	5.0	0.6	B			20			SPARE	16
17	ACS 113	3/4	12	20	5.0	0.6	C			20			SPARE	18
19	IDS 113	3/4	12	20	2.0	0.2	A			20			SPARE	20
21	SPARE			20			B			20			SPARE	22
23	SPARE			20			C			20			SPARE	24
25	SPARE			20			A			20			SPARE	26
27	SPARE			20			B			20			SPARE	28
29	SPARE			20			C			20			SPARE	30

TOTAL AMPS (CONN. LOAD)	A:	21.8	B:	12.5	C:	21.8	
TOTAL AMPS (FEEDTHRU)	A:		B:		C:		
TOTAL AMPS (CONN. LOAD + FEED-THRU)	A:	21.8	B:	12.5	C:	21.8	

PANELBOARD OPTIONS:

PANELBOARD NOTES:
LOCATION: COMM 105
1. PROVIDE RED, LOCKABLE BREAKER.

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	KVA	KVA	KVA	1.25	KVA
RECEPTACLES	2.0 KVA	KVA	KVA	2.0 KVA	NEC	2.0 KVA
MECH EQUIP	3.3 KVA	KVA	KVA	3.3 KVA	1.00	3.3 KVA
ELECTRIC HEAT	KVA	KVA	KVA	KVA	1.25	KVA
MISCELLANEOUS	1.4 KVA	KVA	KVA	1.4 KVA	1.00	1.4 KVA
ELEVATOR	KVA	KVA	KVA	KVA	0.80	KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	6.7 KVA	KVA	KVA	6.7 KVA		6.7 KVA
TOTALS (CONN. KVA + 20%)	8.1 KVA	KVA	KVA	8.1 KVA		8.1 KVA
TOTALS (CONN. AMPS)	18.7 AMPS	AMPS	AMPS	18.7 AMPS		18.7 AMPS
TOTALS (CONN. AMPS + 20%)	22.5 AMPS	AMPS	AMPS	22.5 AMPS		22.5 AMPS

PANEL L1C SCHEDULE

225 AMP MLO | 208Y/120 VOLTS | 3PH, 4W, SN | MIN. 10 KAIC | SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	REC MAC 124	3/4	12	20	7.5	0.9	A	1.0	8.0	20	12	3/4	FREEZER LIGHTS AND DOOR HEATER	2
3	SPARE			20			B	0.2	1.5	20	12	3/4	REC ELEV 116	4
5	SPARE			20			C	0.2	1.5	20	12	3/4	REC ELEV PIT	6
7	REC CAGES 121	3/4	12	20	8.5	1.0	A	2.4	20.0	30	10	3/4	SP-1	8
9	REC CAGES 121	3/4	12	20	8.5	1.0	B	2.0	19.6	35	8	3/4	ROLLUP DOOR	10
11	DRYER 121 RIGHT	3/4	10	30	23.0	2.4	C	2.4	19.6					12
13					23.0	2.4	A			20			SPARE	14
15	DRYER 121 LEFT	3/4	10	30	23.0	2.4	B			20			SPARE	16
17					23.0	2.4	C	1.2	10.0	15	12	3/4	AD-1	18
19	SPARE			20			A	3.0	25.3	50	6	1	AC-1	20
21	REC CAGES 114	3/4	12	20	6.0	0.7	B	3.0	25.3					22
23	REC CAGES 114,115	3/4	12	20	9.0	1.1	C	3.0	25.3					24
25	REC CAGES 114	3/4	12	20	12.0	1.4	A	0.7	6.4	15	12	3/4	WSHP-09	26
27	EWC	3/4	12	20	4.0	0.5	B	0.7	6.4					28
29	REC 110	3/4	12	20	7.5	0.9	C			20			SPARE	30
31	REC HIGH BAY 112	3/4	12	20	9.0	1.1	A	3.9	32.2	60	4	1-1/4	BRIDGE CRANE	32
33	ELEVATOR CAB LIGHTS	3/4	12	20	5.0	0.6	B	3.9	32.2					34
35	ELEVATOR SHUNT TRIP	3/4	12	20	1.0	0.1	C	3.9	32.2					36
37	FREEZER	1	6	50	25.0	2.6	A			20			SPARE	38
39					25.0	2.6	B			20			SPARE	40
41	REC 114 OIL MINDER	3/4	12	20	5.0	0.6	C			20			SPARE	42

TOTAL AMPS (CONN. LOAD)	A:	166.2	B:	146.2	C:	150.9	
TOTAL AMPS (FEEDTHRU)	A:		B:		C:		
TOTAL AMPS (CONN. LOAD + FEED-THRU)	A:	166.2	B:	146.2	C:	150.9	

PANELBOARD OPTIONS:

PANELBOARD NOTES:
LOCATION: CAGES 111

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	KVA	KVA	KVA	1.25	KVA
RECEPTACLES	8.5 KVA	KVA	KVA	8.5 KVA	NEC	8.5 KVA
MECH EQUIP	12.7 KVA	KVA	KVA	12.7 KVA	1.00	12.7 KVA
ELECTRIC HEAT	KVA	KVA	KVA	KVA	1.25	KVA
MISCELLANEOUS	33.0 KVA	KVA	KVA	33.0 KVA	1.00	33.0 KVA
ELEVATOR	KVA	KVA	KVA	KVA	0.80	KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	54.3 KVA	KVA	KVA	54.3 KVA		54.3 KVA
TOTALS (CONN. KVA + 20%)	65.1 KVA	KVA	KVA	65.1 KVA		65.1 KVA
TOTALS (CONN. AMPS)	150.6 AMPS	AMPS	AMPS	150.6 AMPS		150.6 AMPS
TOTALS (CONN. AMPS + 20%)	180.7 AMPS	AMPS	AMPS	180.7 AMPS		180.7 AMPS

PANEL L1D SCHEDULE

225 AMP MLO | 208Y/120 VOLTS | 3PH, 4W, SN | MIN. 10 KAIC | SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	REC 111	3/4	12	20	7.5	0.9	A	0.9	7.5	20	12	3/4	REC CAGES 121	2
3	REC HIGH BAY 112	3/4	12	20	6.0	0.7	B	1.1	9.0	20	12	3/4	REC 117 121	4
5	LTS STORAGE 111,113	3/4	12	20	6.2	0.7	C			20			SPARE	6
7	LTS 117,118,119	3/4	12	20	5.3	0.6	A			20			SPARE	8
9	LTS 116,115,114	3/4	12	20	10.6	1.3	B			20			SPARE	10
11	REC CAGES 121	3/4	12	20	6.0	0.7	C			20			SPARE	12
13	LTS LOW COST BAY 124	3/4	12	20	7.5	0.9	A			20			SPARE	14
15	WSHP-05	3/4	12	15	7.0	0.7	B			20			SPARE	16
17					7.0	0.7	C			20			SPARE	18
19	REC OUTSIDE SW	3/4	12	20	7.5	0.9	A	2.0	19.6	35	8	3/4	ROLLUP DOOR	20
21	UH-05	3/4	10	30	21.0	2.5	B	2.0	19.6					22
23					21.0	2.5	C			20			SPARE	24
25					21.0	2.5	A			20			SPARE	26
27	UH-04	3/4	12	20	14.4	1.5	B	2.0	19.6	35	8	3/4	ROLLUP DOOR	28
29					14.4	1.5	C	2.0	19.6					30
31	EF-04	3/4	12	15	3.0	0.4	A	0.8	7.3	15	12	3/4	HEAT TRACE	32
33					3.0	0.4	B	0.8	7.3					34
35					3.0	0.4				20			SPARE	36
37	EF-05	3/4	12	15	3.0	0.4	A			20			SPARE	38
39					3.0	0.4	B			20			SPARE	40
41					3.0	0.4	C			20			SPARE	42

TOTAL AMPS (CONN. LOAD)	A:	85.5	B:	111.4	C:	74.8	
TOTAL AMPS (FEEDTHRU)	A:		B:		C:		
TOTAL AMPS (CONN. LOAD + FEED-THRU)	A:	85.5	B:	111.4	C:	74.8	

PANELBOARD OPTIONS:

PANELBOARD NOTES:
LOCATION: CAGES 111

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	4.3 KVA	KVA	KVA	4.3 KVA	1.25	5.3 KVA
RECEPTACLES	4.5 KVA	KVA	KVA	4.5 KVA	NEC	4.5 KVA
MECH EQUIP	11.2 KVA	KVA	KVA	11.2 KVA	1.00	11.2 KVA
ELECTRIC HEAT	4.5 KVA	KVA	KVA	4.5 KVA	1.25	5.6 KVA
MISCELLANEOUS	8.2 KVA	KVA	KVA	8.2 KVA	1.00	8.2 KVA
ELEVATOR	KVA	KVA	KVA	KVA	0.80	KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	32.6 KVA	KVA	KVA	32.6 KVA		34.8 KVA
TOTALS (CONN. KVA + 20%)	39.1 KVA	KVA	KVA	39.1 KVA		41.7 KVA
TOTALS (CONN. AMPS)	90.5 AMPS	AMPS	AMPS	90.5 AMPS		96.6 AMPS
TOTALS (CONN. AMPS + 20%)	108.6 AMPS	AMPS	AMPS	108.6 AMPS		115.9 AMPS

SYM.	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/025	

SEAL

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES BSP | DRW MSW | CHK SPS

PM/DM JT/SW

BRANCH MANAGER WRB

CHIEF ENG/ARCH JWJ

FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
PANELBOARD SCHEDULES

SCALE: AS NOTED

EPROJECT NO.: 1625040

CONSTR. CONTR. NO. N40085-19-D-9041

NAVFAC DRAWING NO. 12929097

SHEET 192 OF 239

EP602

DRAWFORM REVISION: 25 AUGUST 2020

11/20/2025 8:36:44 AM EP602
C:\Users\Brian.Pacansky\Documents\BLDGQ1075-1625040-E_brian.pacansky\BKVE.rvt

PANEL L2A SCHEDULE

225 AMP MLO | 208Y/120 VOLTS | 3PH, 4W, SN | MIN. 10 KAIC | SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	2ND FLOOR LTS 235	3/4	12	20	10.9	1.3	A	0.7	6.0	20	12	3/4	SYSTEM FURNITURE 222	2
3	2ND FLOOR LTS 216,217,218-220	3/4	12	20	8.5	1.0	B	0.7	6.0					4
5	SPARE			20			C	0.7	6.0					6
7	2ND FLOOR LTS 228-229	3/4	12	20	6.0	0.7	A	0.7	6.0	20	12	3/4	SYSTEM FURNITURE 222	8
9	2ND FLOOR LTS HIGH BAY 112	3/4	12	20	8.1	1.0	B	0.7	7.0	15	12	3/4	WSHP-13	10
11	2ND FLOOR LTS 221-224,231-233	3/4	12	20	6.0	0.7	C	0.7	7.0					12
13	SPARE			20			A	0.7	7.0	15	12	3/4	WSHP 09	14
15	2ND FLOOR 214	3/4	12	20	9.1	1.1	B	0.7	7.0					16
17	REC ROOF	3/4	12	20	4.5	0.5	C	2.0	16.6	30	10	3/4	WSHP 20	18
19	SPARE			20			A	2.0	16.6					20
21	REC FRIDGE 206 LEFT	3/4	12	20	7.0	0.8	B	2.0	16.6					22
23	WSHP-15	3/4	12	20	11.6	1.2	C	2.0	16.6	30	10	3/4	WSHP-21	24
25	SPARE			20			A	2.0	16.6					26
27	SPARE			20			B	2.0	16.6					28
29	WSHP-22	3/4	12	15	5.0	0.5	C	1.6	12.9	20	12	3/4	WSHP 16	30
31					5.0	0.5	A	1.6	12.9					32
33	SPARE			20			B	1.6	12.9					34
35	SPARE			20			C	1.2	11.9	15	12	3/4	WSHP-14	36
37	SPARE			20			A	1.2	11.9					38
39	REC FRIDGE 206 RIGHT	3/4	12	20	7.0	0.8	B			20			SPARE	40
41	REC COUNTER 206 LEFT	3/4	12	20	7.5	0.9	C	0.9	7.5	20	12	3/4	REC 206 WSW	42
43	REC COUNTER 206 RIGHT	3/4	12	20	7.5	0.9	A	0.9	7.5	20	12	3/4	REC 206 W	44
45	REC COUNTER 206 RIGHT	3/4	12	20	4.0	0.4	B	0.4	3.0	20	12	3/4	REC 206 NW	46
47	SPARE			20			C	0.7	7.0	20	12	3/4	WSHP-23	48
49	REC 206 SE	3/4	12	20	10.5	1.3	A	0.7	7.0					50
51	REC 206 PERIM	3/4	12	20	7.5	0.9	B			20			SPARE	52
53	REC 206 SW	3/4	12	20	7.0	0.7	C			20			SPARE	54
TOTAL AMPS (CONN. LOAD)				A:	131.7		B:	117.4		C:	114.8			
TOTAL AMPS (FEEDTHRU)				A:			B:			C:				
TOTAL AMPS (CONN. LOAD + FEED-THRU)				A:	131.7		B:	117.4		C:	114.8			

PANELBOARD OPTIONS:

PANELBOARD NOTES:
LOCATION: JAN 219
1. PROVIDE PROVISIONS TO LOCK BREAKER IN THE OPEN POSITION.
2. PROVIDE EQUIPMENT PROTECTION GROUND FAULT INTERRUPTER TYPE.

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	5.8 KVA	KVA	KVA	5.8 KVA	1.25	7.3 KVA
RECEPTACLES	10.9 KVA	KVA	KVA	10.9 KVA	NEC	10.4 KVA
MECH EQUIP	27.0 KVA	KVA	KVA	27.0 KVA	1.00	27.0 KVA
ELECTRIC HEAT	KVA	KVA	KVA	KVA	1.25	KVA
MISCELLANEOUS	KVA	KVA	KVA	KVA	1.00	KVA
ELEVATOR	KVA	KVA	KVA	KVA	0.80	KVA
TOTALS (CONN. KVA)	43.7 KVA	KVA	KVA	43.7 KVA		44.7 KVA
TOTALS (CONN. KVA + 20%)	52.4 KVA	KVA	KVA	52.4 KVA		53.6 KVA
TOTALS (CONN. AMPS)	121.2 AMPS	AMPS	AMPS	121.2 AMPS		124.0 AMPS
TOTALS (CONN. AMPS + 20%)	145.4 AMPS	AMPS	AMPS	145.4 AMPS		148.8 AMPS

PANEL L2CA SCHEDULE

300 AMP MLO | 208Y/120 VOLTS | 3PH, 4W, SN | MIN. 10 KAIC | FLUSH MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	2ND FLOOR LTS 202,203	3/4	12	20	8.0	1.0	A	0.6	5.6	15	12	3/4	WSHP 19	2
3	2ND FLOOR LTS 206-209	3/4	12	20	11.5	1.4	B	0.6	5.6					4
5	2ND FLOOR LTS 213,237	3/4	12	20	6.0	0.7	C	1.4	11.3	15	12	3/4	WSHP 10	6
7	2ND FLOOR LTS HIGH BAY	3/4	12	20	11.0	1.3	A	1.4	11.3					8
9	SYSTEM FURNITURE 208	3/4	12	20	1.5	0.2	B	1.4	11.3					10
11					1.5	0.2	C	1.4	11.3	15	12	3/4	WSHP11	12
13					1.5	0.2	A	1.4	11.3					14
15	SYSTEM FURNITURE 208	3/4	12	20	1.5	0.2	B	1.4	11.3					16
17	2ND FLOOR 208 FL	3/4	12	20	7.5	0.9	C	0.5	4.0	15	12	3/4	WSHP 12	18
19	WSHP 27	3/4	12	15	11.3	1.4	A	0.5	3.0	20	12	3/4		20
21					11.3	1.4	B	0.8	7.0	20	12	3/4	REC FRIDGE 228A	22
23					11.3	1.4	C	0.2	1.5	20	12	3/4	REC 228A	24
25	WSHP 28	3/4	12	15	5.0	0.5	A	0.2	1.5	20	12	3/4	REC 228A	26
27					5.0	0.5	B	0.4	3.0	20	12	3/4	REC 228A	28
29	WSHP 29	3/4	12	15	5.6	0.6	C			20			SPARE	30
31					5.6	0.6	A	1.1	10.1	20	12	3/4	WSHP 25	32
33	REC 206 SW 3	3/4	12	20	9.0	1.1	B	1.1	10.1					34
35	SPARE			20			C			20			SPARE	36
37	PANEL L2CT	*	*	100	50.1	6.0	A			20			SPARE	38
39					29.4	3.5	B	0.9	7.5	20	12	3/4	REC 206 SW 2	40
41					47.0	5.6	C			20			SPARE	42
43	WSHP-26	3/4	12	20	12.9	1.6	A			20			SPARE	44
45					12.9	1.6	B			20			SPARE	46
47					12.9	1.6	C			20			SPARE	48
49	PANEL L2CB	*	*	100	139.5	16.7				20			SPARE	50
51					122.5	14.7	B			20			SPARE	52
53					114.5	13.7	C			20			SPARE	54
TOTAL AMPS (CONN. LOAD)				A:	285.6		B:	257.8		C:	234.1			
TOTAL AMPS (FEEDTHRU)							B:			C:				
TOTAL AMPS (CONN. LOAD + FEED-THRU)				A:	285.6		B:	257.8		C:	234.1			

PANELBOARD OPTIONS:
1. PROVIDE WITH DOUBLE LUGS.

PANELBOARD NOTES:
LOCATION : OPEN OFFICE 224

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	4.4 KVA	KVA	KVA	4.4 KVA	1.25	5.5 KVA
RECEPTACLES	3.2 KVA	51.3 KVA	KVA	54.5 KVA	NEC	32.2 KVA
MECH EQUIP	24.5 KVA	6.7 KVA	KVA	31.2 KVA	1.00	31.2 KVA
ELECTRIC HEAT	KVA	KVA	KVA	KVA	1.25	KVA
MISCELLANEOUS	KVA	1.5 KVA	KVA	1.5 KVA	1.00	1.5 KVA
ELEVATOR	KVA	KVA	KVA	KVA	0.80	KVA
TOTALS (CONN. KVA)	32.0 KVA	59.5 KVA	KVA	91.6 KVA		70.4 KVA
TOTALS (CONN. KVA + 20%)	38.4 KVA	71.4 KVA	KVA	109.9 KVA		84.5 KVA
TOTALS (CONN. AMPS)	88.9 AMPS	165.2 AMPS	AMPS	254.1 AMPS		196.4 AMPS
TOTALS (CONN. AMPS + 20%)	106.7 AMPS	198.3 AMPS	AMPS	304.9 AMPS		234.5 AMPS

PANEL L2B SCHEDULE

225 AMP MLO | 208Y/120 VOLTS | 3PH, 4W, SN | MIN. 10 KAIC | SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	WSHP-24	3/4	12	15	11.3	1.4	A	1.8	15.0	20	12	3/4	REC OFFICE 219,220	2
3					11.3	1.4	B			20			SPARE	4
5					11.3	1.4	C			20			SPARE	6
7	REC 209, 210	3/4	12	20	12.0	1.4	A	0.9	7.5	20	12	3/4	REC OFFICE 228 CORRIDOR	8
9	REC 218	3/4	12	20	12.0	1.4	B	1.3	10.5	20	12	3/4	REC OFFICE 221	10
11	SYSTEM FURNITURE 218	3/4	12	20	7.5	0.9	C	1.1	9.0	20	12	3/4	REC OFFICE 222,223	12
13	SYSTEM FURNITURE 218	3/4	12	20	7.5	0.9	A	1.1	9.0	20	12	3/4	REC CONFERENCE 224	14
15					7.5	0.9	B	1.4	12.0	20	12	3/4	REC FL CONF. 224	16
17					7.5	0.9	C	1.4	12.0	20	12	3/4	REC CONF.224	18
19	SYSTEM FURNITURE 218	3/4	12	20	12.0	1.4	A	1.1	9.0	20	12	3/4	REC CONF.224	20
21					12.0	1.4	B	1.1	9.0	20	12	3/4	REC OFFICE 218	22
23					12.0	1.4	C	1.1	9.0	20	12	3/4	REC OFFICE 218	24
25	SYSTEM FURNITURE 218	3/4	12	20	12.0	1.4	A	1.8	15.0	20	12	3/4	HVAC 217,2[illegible]	26
27	WSHP-17	3/4	10	30	16.6	2.0	B			20			SPARE	28
29					16.6	2.0	C			20			SPARE	30
31					16.6	2.0	A			20			SPARE	32
33	SPARE			20			B			20			SPARE	34
35	REC 218 FU/CORR	3/4	12	20	7.5	0.9	C	0.7	6.0	20	12	3/4	REC 215, 217	36
37	REC 211	3/4	12	20	7.5	0.9	A			20			SPARE	38
39	REC 209-211	3/4	12	20	13.5	1.6		0.5	4.0	20	12	3/4	EWC. CORR 213	40
41	REC 208 PERIM	3/4	12	20	4.5	0.5	C			20			SPARE	42
43	SYSTEM FURNITURE 208	3/4	12	20	1.5	0.2	A			20			SPARE	44
45	SYSTEM FURNITURE 208	3/4	12	20	1.5	0.2	B			20			SPARE	46
47					1.5	0.2	C			20			SPARE	48
49					1.5	0.2	A	2.0	16.6	30	10	3/4	WSHP-18	50
51	REC 208 TABLE	3/4	12	20	6.0	0.7	B	2.0	16.6					52
53	REC 208 WEST	3/4	12	20	7.5	0.9	C	2.0	16.6					54
TOTAL AMPS (CONN. LOAD)				A:	154.0		B:	132.5		C:	128.5			
TOTAL AMPS (FEEDTHRU)				A:			B:			C:				
TOTAL AMPS (CONN. LOAD + FEED-THRU)				A:	154.0		B:	132.5		C:	128.5			

PANELBOARD OPTIONS:

PANELBOARD NOTES:
LOCATION: JAN 219

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	KVA	KVA	KVA	1.25	KVA
RECEPTACLES	32.0 KVA	KVA	KVA	32.0 KVA	NEC	21.0 KVA
MECH EQUIP	16.0 KVA	KVA	KVA	16.0 KVA	1.00	16.0 KVA
ELECTRIC HEAT	KVA	KVA	KVA	KVA	1.25	KVA
MISCELLANEOUS	1.8 KVA	KVA	KVA	1.8 KVA	1.00	1.8 KVA
ELEVATOR	KVA	KVA	KVA	KVA	0.80	KVA
TOTALS (CONN. KVA)	49.8 KVA	KVA	KVA	49.8 KVA		38.8 KVA
TOTALS (CONN. KVA + 20%)	59.8 KVA	KVA	KVA	59.8 KVA		46.6 KVA
TOTALS (CONN. AMPS)	138.2 AMPS	AMPS	AMPS	138.2 AMPS		107.7 AMPS
TOTALS (CONN. AMPS + 20%)	165.9 AMPS	AMPS	AMPS	165.9 AMPS		129.3 AMPS

PANEL L2CB SCHEDULE

225 AMP MLO | 208Y/120 VOLTS | 3PH, 4W, SN | MIN. 10 KAIC | SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	SYSTEM FURNITURE OFFICE 201	3/4	12	20	12.0	1.4	A	1.8	15.0	20	12	3/4	REC OFFICE 232, 233	2
3					12.0	1.4	B			20			SPARE	4
5					12.0	1.4	C			20			SPARE	6
7	SYSTEM FURNITURE OFFICE 201	3/4	12	20	12.0	1.4	A			20			SPARE	8
9	SYSTEM FURNITURE OFFICE 201	3/4	12	20	12.0	1.4	B			20			SPARE	10
11					12.0	1.4	C	0.4	3.0	20	12	3/4	REC OFFICE 201 FL	12
13					12.0	1.4	A	1.4	12.0	20	12	3/4	REC OFFICE 202,203	14
15	SYSTEM FURNITURE OFFICE 201	3/4	12	20	12.0	1.4	B	1.1	9.0	20	12	3/4	REC OFFICE 201 CORRI	16
17	SYSTEM FURNITURE OFFICE 201	3/4	12	20	9.0	1.1	C	1.1	9.0	20	12	3/4	REC OFFICE 201 COPIER	18
19					9.0	1.1	A	1.1	9.0	20	12	3/4	REC OFFICE 201 COPIER	20
21					9.0	1.1	B	1.1	9.0	20	12	3/4	REC OFFICE 201 COPIER	22
23	SYSTEM FURNITURE OFFICE 201	3/4	12	20	9.0	1.1	C			20			SPARE	24
25	REC OFFICE 228 PERIM	3/4	12	20	7.5	0.9	A			20			SPARE	26
27	REC PRINTER 228 RIGHT	3/4	12	20	5.0	0.6	B			20			SPARE	28
29	REC PRINTER 228 LEFT	3/4	12	20	5.0	0.6	C	0.4	3.0	20	12	3/4	REC OFFICE 206 FL	30
31	SYSTEM FURNITURE OFFICE 228	3/4	12	20	9.0	1.1	A			20			SPARE	32
33	REC CONF 229	3/4	12	20	6.0	0.7	B	1.1	9.0	20	12	3/4	REC BREAK RM 204	34
35	REC OFFICE 207	3/4	12	20	12.0	1.4	C	1.1	9.0	20	12	3/4	REC BREAK RM 204	36
37	REC OFFICE 207 COPIER	3/4	12	20	9.0	1.1	A	1.1	9.0	20	12	3/4	REC BREAK RM 204	38
39	REC OFFICE 207 COPIER	3/4	12	20	9.0	1.1	B	1.1	9.0	20	12	3/4	REC BREAK RM 204	40
41	REC OFFICE 207 TV	3/4	12	20	12.0	1.4	C	0.4	3.0	20	12	3/4	REC OFFICE 207 FL	42
43	REC 230,231	3/4	12	20	15.0	1.8	A			20			SPARE	44
45	WH-2	3/4	12	20	12.5	1.5	B			20			SPARE	46
47	REC 205	3/4	12	20	1.5	0.2	C			20			SPARE	48
49	SYSTEM FURNITURE OFFICE 228	3/4	12	20	9.0	1.1	A			20			SPARE	50
51					9.0	1.1	B			20			SPARE	52
53					9.0	1.1	C	0.7	6.0	20	12	3/4	REC 206 AV RACK	54
TOTAL AMPS (CONN. LOAD)				A:	139.5		B:	122.5		C:	114.5			
TOTAL AMPS (FEEDTHRU)				A:			B:			C:				
TOTAL AMPS (CONN. LOAD + FEED-THRU)				A:	139.5		B:	122.5		C:	114.5			

PANELBOARD OPTIONS:

PANELBOARD NOTES:
LOCATION : OPEN OFFICE 224

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	KVA	KVA	KVA	1.25	KVA
RECEPTACLES	43.7 KVA	KVA	KVA	43.7 KVA	NEC	26.8 KVA
MECH EQUIP	KVA	KVA	KVA	KVA	1.00	KVA
ELECTRIC HEAT	KVA	KVA	KVA	KVA	1.25	KVA
MISCELLANEOUS	1.5 KVA	KVA	KVA	1.5 KVA	1.00	1.5 KVA
ELEVATOR	KVA	KVA	KVA	KVA	0.80	KVA
TOTALS (CONN. KVA)	45.2 KVA	KVA	KVA	45.2 KVA		28.3 KVA
TOTALS (CONN. KVA + 20%)	54.2 KVA	KVA	KVA	54.2 KVA		34.0 KVA
TOTALS (CONN. AMPS)	125.4 AMPS	AMPS	AMPS	125.4 AMPS		78.7 AMPS
TOTALS (CONN. AMPS + 20%)	150.5 AMPS	AMPS	AMPS	150.5 AMPS		94.4 AMPS

SYM	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/025	

NAVFAC

SEAL

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES BSP | DRW MSW | CHK SPS

PM/DM JT/SW

BRANCH MANAGER WRB

CHIEF ENG/ARCH JWJ

FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
PANELBOARD SCHEDULES

SCALE: AS NOTED
EPROJECT NO.: 1625040
CONSTR. CONTR. NO. N40085-19-D-9041
NAVFAC DRAWING NO. 12929098
SHEET 193 OF 239

EP603

DRAWFORM REVISION: 25 AUGUST 2020

UNCLASSIFIED

EP603
11/20/2025 8:36:47 AM
C:\Users\Brian.Pacansky\Documents\BLDGQ1075-1625040-E_brian.pacansky.QBKVE.rvt

PANEL L1E SCHEDULE

225 AMP MLO 208Y/120 VOLTS 3PH, 4W, SN MIN. 10 KAIC SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	REC ELEC 125	3/4	12	20	3.0	0.4	A			20			SPARE	2
3	REC LOAD-OUT BAY 124	3/4	12	20	3.0	0.4	B			20			SPARE	4
5	REC LOAD-OUT BAY 124	3/4	12	20	10.5	1.3	C			20			SPARE	6
7	REC EXT EAST	3/4	12	20	3.0	0.4	A			20			SPARE	8
9	EF-07	3/4	12	20	6.6	0.8	B	1.6	15.4	20	12	3/4	UH-07	10
11	REC EXT SOUTH EAST	3/4	12	20	4.5	0.5	C	1.6	15.4					12
13	REC LOAD-OUT BAY 124	3/4	12	20	12.0	1.4	A			20			SPARE	14
15	REC EXT NORTH	3/4	12	20	12.0	1.4	B	1.1	9.0	20	12	3/4	REC LOAD-OUT BAY 124	16
17	ROLLUP DOOR	3/4	8	35	19.2	2.0	C	1.4	13.8	30	10	3/4	VEHICLE LIFT 5	18
19					19.2	2.0	A	1.4	13.8					20
21	ROLLUP DOOR	3/4	8	35	19.2	2.0	B	1.4	13.8	30	10	3/4	VEHICLE LIFT 4	22
23					19.2	2.0	C	1.4	13.8					24
25	EF-01	3/4	12	15	3.0	0.4	A	1.4	13.8	30	10	3/4	VEHICLE LIFT 3	26
27					3.0	0.4	B	1.4	13.8					28
29					3.0	0.4	C	1.4	13.8	30	10	3/4	VEHICLE LIFT 2	30
31	EF-03	3/4	12	15	3.0	0.4	A	1.4	13.8					32
33					3.0	0.4	B	1.4	13.8	30	10	3/4	VEHICLE LIFT 1	34
35					3.0	0.4	C	1.4	13.8					36
37	EF-02	3/4	12	15	3.0	0.4	A	3.9	32.2	60	4	1-1/4	MATERIAL LIFT	38
39					3.0	0.4	B	3.9	32.2					40
41					3.0	0.4	C	3.9	32.2					42
43	BUSSED SPACE						A	0.6	5.0	20	12	3/4	CCC-CT	44
45	BUSSED SPACE						B	0.7	7.0	15	12	3/4	CCC-HT (NOTE 1)	46
47	BUSSED SPACE						C	0.7	7.0					48
49	BUSSED SPACE						A						BUSSED SPACE	50
51	BUSSED SPACE						B						BUSSED SPACE	52
53	BUSSED SPACE						C						BUSSED SPACE	54

TOTAL AMPS (CONN. LOAD) A: 116.8 B: 143.8 C: 156.9
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 116.8 B: 143.8 C: 156.9

PANELBOARD OPTIONS:

PANELBOARD NOTES:
LOCATION: ELEC 112
1. PROVIDE PROVISIONS TO LOCK BREAKER IN THE OPEN POSITION.
2. PROVIDE EQUIPMENT PROTECTION GROUND FAULT INTERRUPTER TYPE.

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	KVA	KVA	KVA	1.25	KVA
RECEPTACLES	7.6 KVA	KVA	KVA	7.6 KVA	NEC	7.6 KVA
MECH EQUIP	5.3 KVA	KVA	KVA	5.3 KVA	1.00	5.3 KVA
ELECTRIC HEAT	3.2 KVA	KVA	KVA	3.2 KVA	1.25	4.0 KVA
MISCELLANEOUS	34.0 KVA	KVA	KVA	34.0 KVA	1.00	34.0 KVA
ELEVATOR	KVA	KVA	KVA	KVA	0.80	KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	50.1 KVA	KVA	KVA	50.1 KVA		50.9 KVA
TOTALS (CONN. KVA + 20%)	60.1 KVA	KVA	KVA	60.1 KVA		61.1 KVA
TOTALS (CONN. AMPS)	139.1 AMPS	AMPS	AMPS	139.1 AMPS		141.3 AMPS
TOTALS (CONN. AMPS + 20%)	166.9 AMPS	AMPS	AMPS	166.9 AMPS		169.6 AMPS

PANEL L2CT SCHEDULE

100 AMP MLO 208Y/120 VOLTS 3PH, 4W, SN MIN. 10 KAIC SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	REC 205	3/4	12	20	7.5	0.9	A	0.4	3.0	20	12	3/4	REC RED 226	2
3	REC RACK LEFT 205	3/4	12	20	3.0	0.4	B	0.4	3.0	20	12	3/4	REC RED 226	4
5	REC RACK LEFT 205	3/4	12	20	3.0	0.4	C	0.4	3.0	20	12	3/4	REC GREEN 226	6
7	REC RACK LEFT 205	3/4	12	20	3.0	0.4	A	0.4	3.0	20	12	3/4	REC GREEN 226	8
9	REC RACK LEFT 205	3/4	12	20	3.0	0.4	B	0.4	3.0	20	12	3/4	REC GREEN 226	10
11	ACS 205	3/4	12	20	5.0	0.6	C	0.2	2.0	20	12	3/4	IDS 226	12
13	IDS 205	3/4	12	20	5.0	0.6	A	0.6	5.0	20	12	3/4	ACS 226	14
15	REC RACK 224	3/4	12	20	3.0	0.4	B	0.4	3.0	20	12	3/4	REC AV RACK 206	16
17	REC RACK 208 AV	3/4	12	20	3.0	0.4	C	0.4	3.0	20	12	3/4	ACS 208	18
19	REC RACK 208 TELECOM	3/4	12	20	5.0	0.6	A			20			SPARE	20
21	IDS 208	3/4	12	20	2.0	0.2	B			20			SPARE	22
23	CU-02/SS	3/4	10	30	21.4	2.2	C			20			SPARE	24
25					21.4	2.2	A			20			SPARE	26
27	CU-03/SS	3/4	12	20	10.9	1.1	B			20			SPARE	28
29					10.9	1.1	C			20			SPARE	30

TOTAL AMPS (CONN. LOAD) A: 50.1 B: 29.4 C: 47.0
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 50.1 B: 29.4 C: 47.0

PANELBOARD OPTIONS:

PANELBOARD NOTES:
LOCATION: COMM 225

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	KVA	KVA	KVA	1.25	KVA
RECEPTACLES	7.6 KVA	KVA	KVA	7.6 KVA	NEC	7.6 KVA
MECH EQUIP	6.7 KVA	KVA	KVA	6.7 KVA	1.00	6.7 KVA
ELECTRIC HEAT	KVA	KVA	KVA	KVA	1.25	KVA
MISCELLANEOUS	KVA	KVA	KVA	KVA	1.00	KVA
ELEVATOR	KVA	KVA	KVA	KVA	0.80	KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	14.3 KVA	KVA	KVA	14.3 KVA		14.3 KVA
TOTALS (CONN. KVA + 20%)	17.2 KVA	KVA	KVA	17.2 KVA		17.2 KVA
TOTALS (CONN. AMPS)	39.8 AMPS	AMPS	AMPS	39.8 AMPS		39.8 AMPS
TOTALS (CONN. AMPS + 20%)	47.8 AMPS	AMPS	AMPS	47.8 AMPS		47.8 AMPS

PANEL MP SCHEDULE

225 AMP MLO 208Y/120 VOLTS 3PH, 4W, SN MIN. 10 KAIC SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	REC MECH 120	3/4	12	20	1.5	0.2	A	2.0	19.6	35	8	3/4	ROLLUP DOOR	2
3	WH MECH 120	3/4	12	15	5.0	0.6	B	2.0	19.6					4
5	DDC MECH 120	3/4	12	20	5.0	0.6	C	2.0	19.6	35	8	3/4	ROLLUP DOOR	6
7	BOILER PUMP MECH 120	3/4	12	20	4.4	0.5	A	2.0	19.6					8
9	B-01 MECH 120	3/4	12	20	10.0	1.2	B			15			SPARE	10
11	P-01 MECH 120	1	6	50	25.3	3.0	C			15			SPARE	12
13					25.3	3.0	A			20			SPARE	14
15					25.3	3.0	B			20			SPARE	16
17	P-02 MECH 120	1	6	50	25.3	3.0	C	0.5	4.4	20	12	3/4	REC ROOF AREA A	18
19					25.3	3.0	A	0.6	5.0	15	12	3/4	RH-01	20
21					25.3	3.0	B	0.6	5.2	15	12	3/4	RH-01.02 (NOTE 1)	22
23	RP-1 MECH 120	3/4	12	15	4.0	0.5	C	0.6	5.2	15	12	3/4	RH-01.03 (NOTE 1)	24
25	EF-06 MECH 120	3/4	12	15	6.6	0.8	A	0.6	5.2	15	12	3/4	RH-05.06 (NOTE 1)	26
27	UH-01 MECH 120	3/4	12	20	14.4	1.5	B			20			SPARE	28
29					14.4	1.5	C	0.4	3.0	20	12	3/4	REC ROOF AREA B	30
31	WSHP 03	3/4	12	20	12.9	1.6	A			20			SPARE	32
33					12.9	1.6	B			20			SPARE	34
35					12.9	1.6	C			20			SPARE	36
37	UH-03	3/4	8	40	27.8	3.3	A			20			SPARE	38
39					27.8	3.3	B			20			SPARE	40
41					27.8	3.3	C			20			SPARE	42
43	WSHP-01	3/4	12	20	12.9	1.6	A						BUSSED SPACE	44
45					12.9	1.6	B						BUSSED SPACE	46
47					12.9	1.6	C						BUSSED SPACE	48
49	TEMPORARY BOILER	1-1/4	4	60	20.0	2.4	A						BUSSED SPACE	50
51					20.0	2.4	B						BUSSED SPACE	52
53					20.0	2.4	C						BUSSED SPACE	54

TOTAL AMPS (CONN. LOAD) A: 181.0 B: 174.0 C: 175.5
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 181.0 B: 174.0 C: 175.5

PANELBOARD OPTIONS:

PANELBOARD NOTES:
LOCATION: MECH 107
1. PROVIDE EQUIPMENT PROTECTION GROUND FAULT INTERRUPTER TYPE.

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	KVA	KVA	KVA	1.25	KVA
RECEPTACLES	1.1 KVA	KVA	KVA	1.1 KVA	NEC	1.1 KVA
MECH EQUIP	38.9 KVA	KVA	KVA	38.9 KVA	1.00	38.9 KVA
ELECTRIC HEAT	15.5 KVA	KVA	KVA	15.5 KVA	1.25	19.4 KVA
MISCELLANEOUS	8.2 KVA	KVA	KVA	8.2 KVA	1.00	8.2 KVA
ELEVATOR	KVA	KVA	KVA	KVA	0.80	KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	63.7 KVA	KVA	KVA	63.7 KVA		67.5 KVA
TOTALS (CONN. KVA + 20%)	76.4 KVA	KVA	KVA	76.4 KVA		81.0 KVA
TOTALS (CONN. AMPS)	176.7 AMPS	AMPS	AMPS	176.7 AMPS		187.4 AMPS
TOTALS (CONN. AMPS + 20%)	212.0 AMPS	AMPS	AMPS	212.0 AMPS		224.9 AMPS

SYM	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/25	

NAVFAC

SEAL

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES BSP DRW MSW CHK SPS
PMDM JT/SW
BRANCH MANAGER WRB
CHIEF ENG/ARCH JWJ
FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
PANELBOARD SCHEDULES

SCALE: AS NOTED
EPROJECT NO.: 1625040
CONSTR. CONTR. NO. N40085-19-D-9041
NAVFAC DRAWING NO. 12929099
SHEET 194 OF 239
EP604

DRAWFORM REVISION: 25 AUGUST 2020

UNCLASSIFIED

11/20/2025 8:36:50 AM EP604
C:\Users\Brian.Pacansky\Documents\BLDGQ1075-1625040-E_brian.pacansky2BKVE.rvt

PANEL MDP SCHEDULE

2000 AMP MCB 208Y/120 VOLTS 3PH, 4W, SN MIN. 22 KAIC SURFACE MOUNTED SE RATED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	BUSSED SPACE						A	14.0	116.8	225	*	*	PANEL L1E	2
3							B	17.3	143.8					4
5							C	18.8	156.9					6
7	BUSSED SPACE						A			125			SPARE	8
9							B							10
11							C							12
13	BUSSED SPACE						A	25.4	211.6	250	250	2-1/2	DOAS-01	14
15							B	25.4	211.6					16
17							C	25.4	211.6					18
19	BUSSED SPACE						A	19.9	166.2	225	*	*	PANEL L1C	20
21							B	17.5	146.2					22
23							C	18.1	150.9					24
25	PANEL MDP1	*	*	1200	1103.9	132.5	A			60	4	1-1/4	SPD	26
27					1058.5	127.0	B							28
29					1016.8	122.0	C							30

TOTAL AMPS (CONN. LOAD) A: 1598.5 B: 1560.1 C: 1536.3
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 1598.5 B: 1560.1 C: 1536.3

PANELBOARD OPTIONS:
1. PROVIDE 100% RATED MCB.
2. PROVIDE EXTERNALLY MOUNTED SPD.

PANELBOARD NOTES:
LOCATION: ELEC 112
1. *** INDICATES SEE POWER RISER FOR FEEDER SIZING.

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	20.8 KVA	KVA	20.8 KVA	1.25	26.1 KVA
RECEPTACLES	KVA	134.9 KVA	KVA	134.9 KVA	NEC	72.5 KVA
MECH EQUIP	76.2 KVA	189.6 KVA	KVA	265.8 KVA	1.00	265.8 KVA
ELECTRIC HEAT	KVA	26.2 KVA	KVA	26.2 KVA	1.25	32.7 KVA
MISCELLANEOUS	KVA	90.2 KVA	KVA	90.2 KVA	1.00	90.2 KVA
ELEVATOR	KVA	22.4 KVA	KVA	22.4 KVA	0.80	17.9 KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	76.2 KVA	484.1 KVA	KVA	560.3 KVA		505.1 KVA
TOTALS (CONN. KVA + 20%)	91.4 KVA	581.0 KVA	KVA	672.4 KVA		606.1 KVA
TOTALS (CONN. AMPS)	211.4 AMPS	1343.8 AMPS	AMPS	1555.2 AMPS		1402.1 AMPS
TOTALS (CONN. AMPS + 20%)	253.7 AMPS	1612.6 AMPS	AMPS	1866.3 AMPS		1682.5 AMPS

PANEL MDP1 SCHEDULE

1200 AMP MLO 208Y/120 VOLTS 3PH, 4W, SN MIN. 22 KAIC SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	COND SIZE	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	COND SIZE	LOAD DESCRIPTION	CKT. NO.
1	SPARE			150			A	14.0	116.8	225	*	*	PANEL L1A	2
3							B	15.0	125.3					4
5							C	16.8	139.8					6
7	PANEL L1BT	*	*	125	21.8	2.6	A	21.7	181.0	225	*	*	PANEL MP	8
9					12.5	1.5	B	20.9	174.0					10
11					21.8	2.6	C	21.1	175.5					12
13	PANEL L1D	*	*	125	85.5	10.3	A	15.8	131.[illegible]	150	*	*	PANEL L2A	14
15					111.4	13.4	B	14.1	117.[illegible]					16
17					74.8	9.0	C	13.8	114.[illegible]					18
19	ELEVATOR	1-1/2	1	125	62.1	7.5	A	18.5	154.0	150	*	*	PANEL L2B	20
21					62.1	7.5	B	15.9	132.5					22
23					62.1	7.5	C	15.4	128.5					24
25	PANEL L2CA	*	*	300	285.6	34.3	A	7.9	65.5	125	1	1-1/2	CCC-1	26
27					257.8	30.9	B	7.9	65.5					28
29					234.1	28.1	C	7.9	65.5					30
31	BUSSED SPACE						A						BUSSED SPACE	32
33							B							34
35							C							36
37	SPD	1-1/4	4	60			A						BUSSED SPACE	38
39							B							40
41							C							42

TOTAL AMPS (CONN. LOAD) A: 1103.9 B: 1058.5 C: 1016.8
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 1103.9 B: 1058.5 C: 1016.8

PANELBOARD OPTIONS:
1. PROVIDE EXTERNALLY MOUNTED SPD.

PANELBOARD NOTES:
LOCATION: ELEC 124
1. *** INDICATES SEE POWER RISER FOR FEEDER SIZING.

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	20.8 KVA	KVA	20.8 KVA	1.25	26.1 KVA
RECEPTACLES	KVA	118.8 KVA	KVA	118.8 KVA	NEC	64.4 KVA
MECH EQUIP	23.6 KVA	148.0 KVA	KVA	171.6 KVA	1.00	171.6 KVA
ELECTRIC HEAT	KVA	23.0 KVA	KVA	23.0 KVA	1.25	28.7 KVA
MISCELLANEOUS	KVA	23.2 KVA	KVA	23.2 KVA	1.00	23.2 KVA
ELEVATOR	22.4 KVA	KVA	KVA	22.4 KVA	0.80	17.9 KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	45.9 KVA	333.8 KVA	KVA	379.8 KVA		331.9 KVA
TOTALS (CONN. KVA + 20%)	55.1 KVA	400.6 KVA	KVA	455.7 KVA		398.2 KVA
TOTALS (CONN. AMPS)	127.5 AMPS	926.6 AMPS	AMPS	1054.1 AMPS		921.2 AMPS
TOTALS (CONN. AMPS + 20%)	153.0 AMPS	1112.0 AMPS	AMPS	1265.0 AMPS		1105.4 AMPS

SYM.	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/25	

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

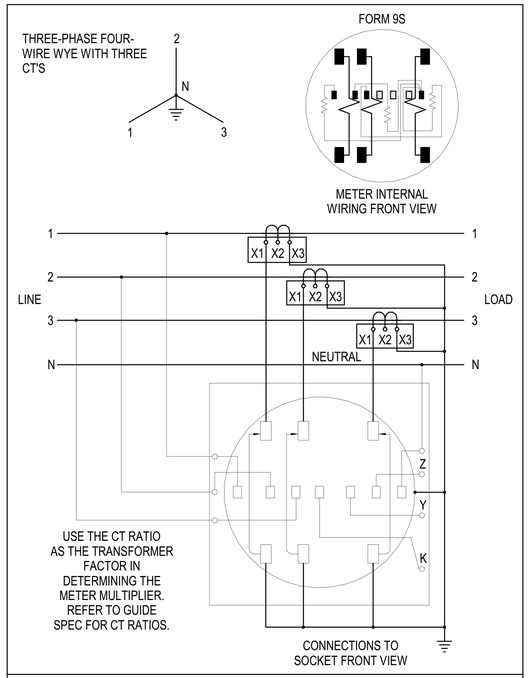
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email
SATISFACTORY TO DATE 07/09/2025
DES BSP DRW MSW CHK SPS
PMDM JT/SW
BRANCH MANAGER WRB
CHIEF ENG/ARCH JWJ
FIRE PROTECTION HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
PANELBOARD SCHEDULES

SCALE: AS NOTED
EPROJECT NO.: 1625040
CONSTR. CONTR. NO. N40085-19-D-9041
NAVFAC DRAWING NO. 12929100
SHEET 195 OF 239
EP605

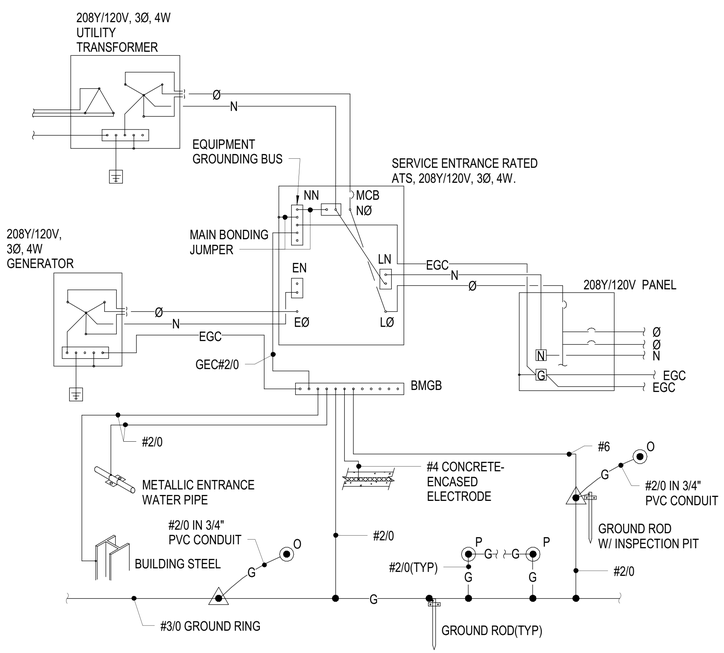
DRAWFORM REVISION: 25 AUGUST 2020

11/20/2025 8:36:52 AM EP605
C:\Users\Brian.Pacansky\Documents\BLDGQ1075-1625040_Brian.pacansky\QBRK\E1v1



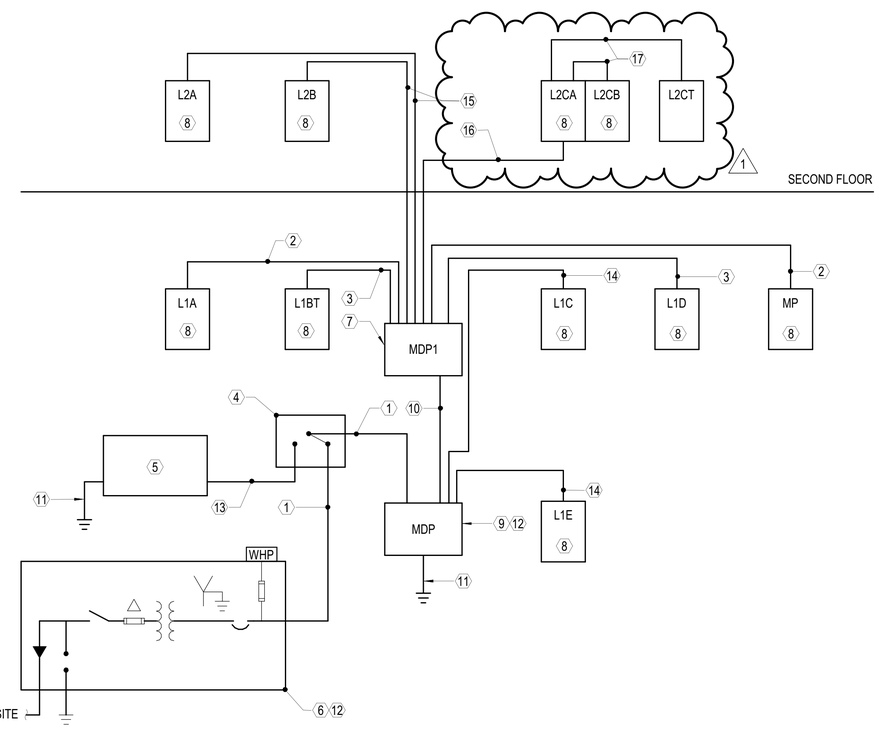
FORM 9S - TYPICAL WYE CONFIGURATION WITH DUAL-RATIO CT'S AND WITHOUT PT'S

REVISED:	21 AUGUST 2007	METER PLATE	E-M102



A1 SERVICE GROUNDING DIAGRAM

NOT TO SCALE



A2 POWER RISER DIAGRAM

NOT TO SCALE

GENERAL SHEET NOTES

SHEET KEYNOTES

1 PROVIDE 5 SETS 4-600 KCMIL, 1#3/0 GND, 4" CONCRETE ENCASED DUCTBANK. PROVIDE 6 WAY DUCTBANK.

2 PROVIDE 4#4/0, 1#4 GND IN EXISTING 3"C.

3 PROVIDE 4#1, 1#6 GND, 1#6 GND IN EXISTING 1-1/2"C.

4 PROVIDE 2000A, 4P, 208V SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH.

5 RELOCATED 300KW/375KVA, 208Y/120V, 3Ø DIESEL GENERATOR.

6 PROVIDE 500KVA, 34500-208Y/120V, 3Ø, LIQUID FILLED, PAD MOUNTED TRANSFORMER.

7 PROVIDE PANELBOARD MDP1, 1200A MLO 208Y/120V, 3Ø.

8 PROVIDE 225A MLO, 208Y/120V, 3Ø, PANELBOARD.

9 PROVIDE SWITCHBOARD MDP 2000A MCB, 208Y/120V, 3Ø, 4W.

10 3 SETS OF 3-600 KCMIL, 1-600 KCMIL(N), 350 KCMIL (G), IN 4" CONDUITS.

11 PROVIDE #3/0 GROUND.

12 PROVIDE NEW TRANSFORMER AND MDP AS INDICATED TO MINIMIZE THE AMOUNT OF TIME THAT THE BUILDING IS WITHOUT POWER.

13 PROVIDE 3 SETS 4-600 KCMIL, 1#3/0 GND, 4" CONCRETE ENCASED DUCTBANK. PROVIDE 4 WAY DUCTBANK.

14 PROVIDE 4#4/0, 1#4 GND IN 2 1/2"C.

15 PROVIDE 4#1/0, 1#6 GND IN EXISTING 1-1/2"C.

16 PROVIDE 4-350 KCMIL, 1#4 GND IN EXISTING 3"C.

17 PROVIDE 4#1, 1#6 GND IN 1-1/2"C.

SYM	DESCRIPTION	DATE	APPR
1	CONSOLIDATED REVISIONS	11/2/25	

NAVFAC

CLARKNEXSEN
A JMT Company
4525 MAIN STREET
SUITE 1400
VIRGINIA BEACH, VA 23462
757-455-5800 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Approved by Don Bryant, PE, N10 Facilities Engineer, NSWDG via Email

SATISFACTORY TO DATE 07/09/2025

DES	BSP	DRW	MSW	CHK	SPS

PMDM	JT/SW
BRANCH MANAGER	WRB
CHIEF ENG/ARCH	JWJ
FIRE PROTECTION	HPN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NAVAL STATION - NORFOLK, VA
NAS OCEANA, DAM NECK ANNEX
VIRGINIA BEACH, VA
Q-1075 SOF OPERATIONS BUILDING ADDITION
POWER RISER DIAGRAMS

SCALE: AS NOTED
EPROJECT NO.: 1625040
CONSTR. CONTR. NO. N40085-19-D-9041
NAVFAC DRAWING NO. 12929101
SHEET 196 OF 239

EP701

DRAWFORM REVISION: 25 AUGUST 2020

EP701
11/20/2025 8:36:54 AM
C:\Users\Brian.Pacansky\Documents\BLDGQ1075-1625040-E_brian.pacansky@BKVE.rvt