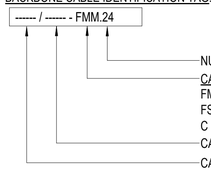
TELEPHONE/DATA SYSTEM

SYMBOL	DESCRIPTION	MOUNTING
	COMBINATION VOICE/DATA OUTLET. SEE FACEPLATE CODES AND FACEPLATE DETAILS ON SHEET OTT502 FOR OUTLET CONFIGURATIONS. MOUNTING HEIGHT SUBSCRIPTS INDICATE THE FOLLOWING: OC - MOUNT ABOVE COUNTER TOP +48" - MOUNTING HEIGHT TO CENTER OTHER THAN 18" TO TOP	18" AFF TO TOP UON.
	TELEPHONE OUTLET. SEE FACEPLATE CODES AND FACEPLATE DETAILS ON SHEET OTT502 FOR OUTLET CONFIGURATIONS.	34" AFF TO CENTER UON.
	TELECOMMUNICATIONS BONDING BUSBAR. SUBSCRIPTS INDICATE THE FOLLOWING: PBB - PRIMARY BONDING BUSBAR. REFER TO C3/TT501 FOR DETAIL	ABOVE LADDER RACK
66	TYPE 66 TERMINATION BLOCK.	60" AFF TO TOP.
BEP	PRIMARY BUILDING ENTRANCE PROTECTOR.	60" AFF TO TOP.
	TELECOMMUNICATIONS EQUIPMENT RACK WITH HORIZONTAL AND VERTICAL CABLE MANAGEMENT.	FLOOR
	PLYWOOD TELEPHONE BACKBOARD.	WALL
	FIRE RATED PATHWAY ASSEMBLY. FOUR INDIVIDUAL PATHWAYS GANGED TOGETHER. SEE DETAIL A5/TT501.	AS REQUIRED
	LOW VOLTAGE LADDER RACK FOR COMMUNICATIONS SYSTEMS WIRING ONLY. 4" HIGH x18" WIDE UON.	SUSPENDED
	LOW VOLTAGE CABLE TRAY FOR COMMUNICATIONS SYSTEMS WIRING ONLY. 4" HIGH x18" WIDE UON.	SUSPENDED

BACKBONE CABLE IDENTIFICATION TAG:



PUBLIC ADDRESS SYSTEM

SYMBOL	DESCRIPTION	MOUNTING
(S) V-H01 C01	SPEAKER. SUBSCRIPTS INDICATE PAGING ZONE AND VOLUME CONTROL	PENDANT
PAEC	PUBLIC ADDRESS SYSTEM EQUIPMENT TERMINAL CABINET WITH ZONE AMPLIFIERS. CABINET SHALL BE HINGED TO ALLOW ACCESS TO THE BACK OF CABINET MOUNTED EQUIPMENT.	6'-0" TO TOP

GENERAL NOTES

A. SEE REFLECTED CEILING PLANS IN THE AE111 SERIES SHEETS FOR EXACT LOCATION OF CEILING MOUNTED DEVICES.
B. INSTALL ALL EQUIPMENT AND DEVICES AT THE HEIGHT INDICATED. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR SPECIAL MOUNTING HEIGHTS AND LOCATIONS OF ELECTRICAL AND COMMUNICATIONS DEVICES. MOUNTING HEIGHTS AND LOCATIONS INDICATED ON ARCHITECTURAL ELEVATIONS TAKE PRECEDENCE OVER OTHER MOUNTING HEIGHTS AND LOCATIONS.
C. WHERE DEVICES ARE INDICATED TO BE MOUNTED ABOVE A COUNTERTOP, MOUNT DEVICE SUCH THAT BOTTOM OF COVER PLATE IS 2" ABOVE TOP OF BACK SPLASH. IF THERE IS NO BACK SPLASH, MOUNT DEVICE 2" ABOVE FINISHED COUNTER TOP SURFACE TO BOTTOM OF DEVICE COVER PLATE.
D. ALL MATERIALS AND EQUIPMENT SHALL BE LISTED AS COMPLYING WITH THE APPLICABLE STANDARDS OF UNDERWRITER'S LABORATORIES, INC OR OTHER APPROVED LISTING AGENCIES.
E. VERIFY LOCATION OF ALL FLOOR-MOUNTED OUTLETS WITH CONTRACTING OFFICER PRIOR TO ROUGH-IN.
F. WHERE CONDUIT IS ROUTED ABOVE THE FINISHED CEILING, COORDINATE LOCATION AND ROUTING WITH OTHER TRADES AND SYSTEMS TO PROVIDE A COORDINATED INSTALLATION AND TO ASSURE MAXIMUM ACCESSIBILITY TO ALL SYSTEMS. ALL JUNCTION BOXES AND PULL BOXES SHALL REMAIN ACCESSIBLE.
G. DO NOT MOUNT COMMUNICATIONS DEVICES, OUTLETS, OR BOXES BACK TO BACK UNLESS SPECIFICALLY INDICATED OTHERWISE. OFFSET OUTLETS OR BOXES IN OPPOSITE SIDES OF THE WALL BY AT LEAST 16".
H. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION FOR ALL TELEVISION AND MONITOR OUTLETS WITH THE ARCHITECTURAL PLANS. THE EXACT LOCATION OF THESE OUTLETS SHALL ALSO BE COORDINATED WITH THE SPECIFIC TELEVISION MOUNTING BRACKETS BEING SUPPLIED FOR THIS PROJECT. THE OUTLETS SHALL BE CONCEALED FROM NORMAL VIEWING ANGLES BY THE TELEVISION MONITOR.
I. MAINTAIN 12" CLEAR SPACE ABOVE ALL CABLE TRAYS. MAINTAIN AT LEAST 12" CLEAR SPACE ON ONE SIDE OF ALL CABLE TRAYS FOR SIDE ACCESS TO THE CABLE TRAYS.
J. SEE A1/OTT501 FOR CONDUIT STUB-OUT TO CABLE TRAY DETAIL.

ABBREVIATIONS

A	AMPERES	INC	INCANDESCENT
AFC	ABOVE FINISHED CEILING	JB	JUNCTION BOX
AFF	ABOVE FINISHED FLOOR	KAIC	KILO-AMPERES INTERRUPTING CAPACITY
AFG	ABOVE FINISHED GRADE		
AHU	AIR HANDLING UNIT	KV	KILO-VOLTS
AIC	AMPERES INTERRUPTING CAPACITY	KVA	KILO-VOLTS-AMPERES
ATS	AUTOMATIC TRANSFER SWITCH	KVAR	KILO-VOLTS-AMPERES REACTIVE
AWG	AMERICAN WIRE GAUGE	KW	KILO-WATTS
BFC	BELOW FINISHED CEILING	KWH	KILO-WATT-HOURS
BFG	BELOW FINISHED GRADE	LAN	LOCAL AREA NETWORK
C	CONDUIT	LED	LIGHT-EMITTING DIODE
CAB	CABINET	LTG	LIGHTING
CATV	CABLE TELEVISION	m	METER
CCTV	CLOSED CIRCUIT TELEVISION	mm	MILLIMETER
CH	CHILLER	MAX	MAXIMUM
CKT	CIRCUIT	MCB	MAIN CIRCUIT BREAKER
CL	CENTERLINE	MCC	MOTOR CONTROL CENTER
CLG	CEILING	MCP	MOTOR CIRCUIT PROTECTOR
CT's	CURRENT TRANSFORMERS	MFR	MANUFACTURER
CU	COPPER	MIN	MINIMUM
DISC	DISCONNECT(ING)	MISC	MISCELLANEOUS
DWG	DRAWING(S)	MTR	MOTOR
EA	EACH	MTD	MOUNTED
EF	EXHAUST FAN	MTG	MOUNTING
EMT	ELECTRICAL METALLIC TUBING	MTS	MANUAL TRANSFER SWITCH
EQUIP	EQUIPMENT	N.C.	NORMALLY CLOSED
EUH	ELECTRIC UNIT HEATER	N.O.	NORMALLY OPEN
EWC	ELECTRIC WATER COOLER	NA	NOT APPLICABLE
EWH	ELECTRIC WATER HEATER	NC	NURSE CALL
EXH	EXHAUST	NEC	NATIONAL ELECTRICAL CODE
EXIST	EXISTING	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
FA	FIRE ALARM		
FLUOR	FLUORESCENT	PNL	PANEL
G	GROUND	PVC	POLYVINYL CHLORIDE
GEN	ENGINE GENERATOR SET	REC	RECEPTACLE
GFI	GROUND FAULT INTERRUPTER	RGS	RIGID GALVANIZED STEEL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SF	SUPPLY FAN
GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED	TEL	TELEPHONE
		TYP	TYPICAL
GFP	GROUND FAULT PROTECTION	UH	UNIT HEATER
GND	GROUND	UON	UNLESS OTHERWISE NOTED
HGT	HEIGHT	V	VOLTS
HIT	HEALTHCARE INFORMATION TECHNOLOGY	VA	VOLT-AMPERES
		VAV	VARIABLE AIR VOLUME UNIT
HOA	HAND-OFF-AUTOMATIC	W	WATTS
HP	HORSEPOWER	WAP	WIRELESS ACCESS POINT
HVAC	HEATING/VENTILATING / AIR CONDITIONING	WP	WEATHER PROOF
		XFMR	TRANSFORMER
HV	HIGH VOLTAGE		

MISCELLANEOUS

SYMBOL	DESCRIPTION	MOUNTING
(00)	KEY NOTE SYMBOL.	NA

INCLUDE THIS WORK ONLY IF OSF OPTION IS AWARDED.

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
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1	MOD P00005	05/2023	
2	MOD P00006 AND MOD P00007	10/2025	

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FOR COMMANDER NAVFAC 11/21/2025
ACTIVITY: Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email.
SATISFACTORY TO DATE 12/15/2022

DES	DRS	DRW	KGG	CHK	KLM
PM/DM					KTB / RLH
BRANCH MANAGER					JAS
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VA

MCAS BEAUFORT
BEAUFORT, SC

P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 3 (OSF OPTION)

TELECOMMUNICATIONS LEGEND AND ABBREVIATIONS

SCALE:	As indicated
EPR/PROJECT NO.:	1363603
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12860251
SHEET	1050 OF 1412

OTG001

DRAWFORM REVISION: 25 AUGUST 2020

Autodesk Docs://20042 LMP-AT 502 TSI Maintenance Hangar/20042 F25 maint hangar_OSF Hngr Annex LVR-T2024.rvt
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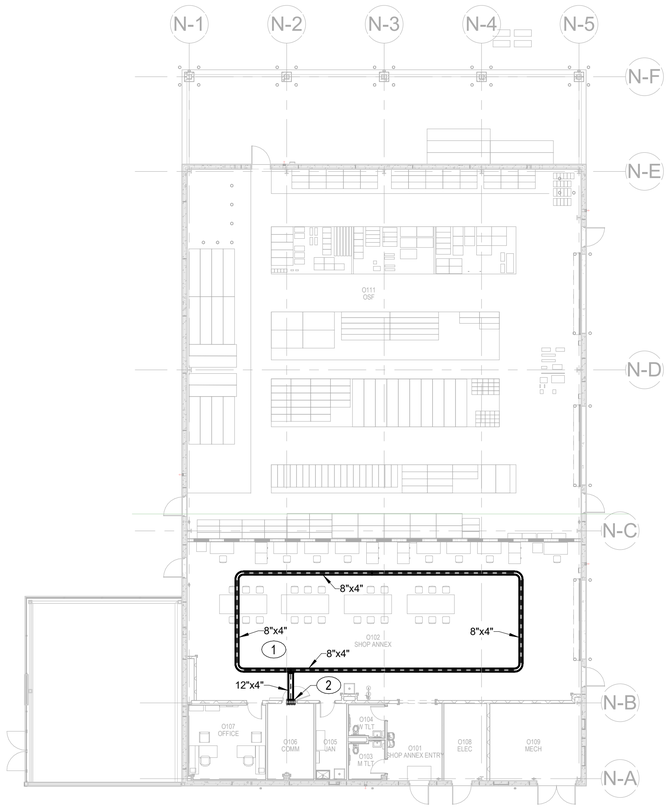
NOTES:

SHEET NOTES:

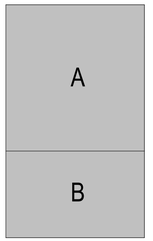
A. PROVIDE A MINIMUM OF 12" CLEARANCE ABOVE AND 12" ON AT LEAST ONE SIDE OF ALL CABLE TRAYS.
B. PROVIDE EXTERIOR EXPOSURE CORROSION PROTECTION AND CONTROL IN ACCORDANCE WITH AN ENVIRONMENTAL SEVERITY CLASSIFICATION (ESC) OF C4 FOR BUILDING SYSTEMS AND COMPONENTS IN THE FOLLOWING ROOMS: O101 SHOP ANNEX ENTRY, O102 SHOP ANNEX, O108 ELEC, O109 MECH, AND O111 OSF.

KEY NOTES (00)

1 MOUNT CABLE TRAY IN THIS ROOM AT 12'-0" ABOVE FINISHED FLOOR TO BOTTOM.
2 (4) 4", 1 HOUR FIRE RATED WALL PENETRATION ASSEMBLIES.



A2 OSF - FLOOR PLAN - GROUND FLOOR - OVERALL - TELECOMMUNICATIONS
1/16" = 1'-0"



KEYPLAN

0 10' 20' 40' 60'
1/16" = 1'-0" GRAPHIC SCALE

INCLUDE THIS WORK ONLY IF OSF OPTION IS AWARDED.

NOTE:
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SATISFACTORY TO DATE	12/15/2022
DES DRS	DRW KGG CHK KLM
PM/DM	KTB / RLH
BRANCH MANAGER	JAS
CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

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BEAUFORT, SC
P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 3 (OSF OPTION)
OSF / SHOP ANNEX - FLOOR PLAN - OVERALL - TELECOMMUNICATIONS

SCALE:	1/16" = 1'-0"
EPROJECT NO.:	1363603
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12860252
SHEET	1051 OF 1412

OTT101

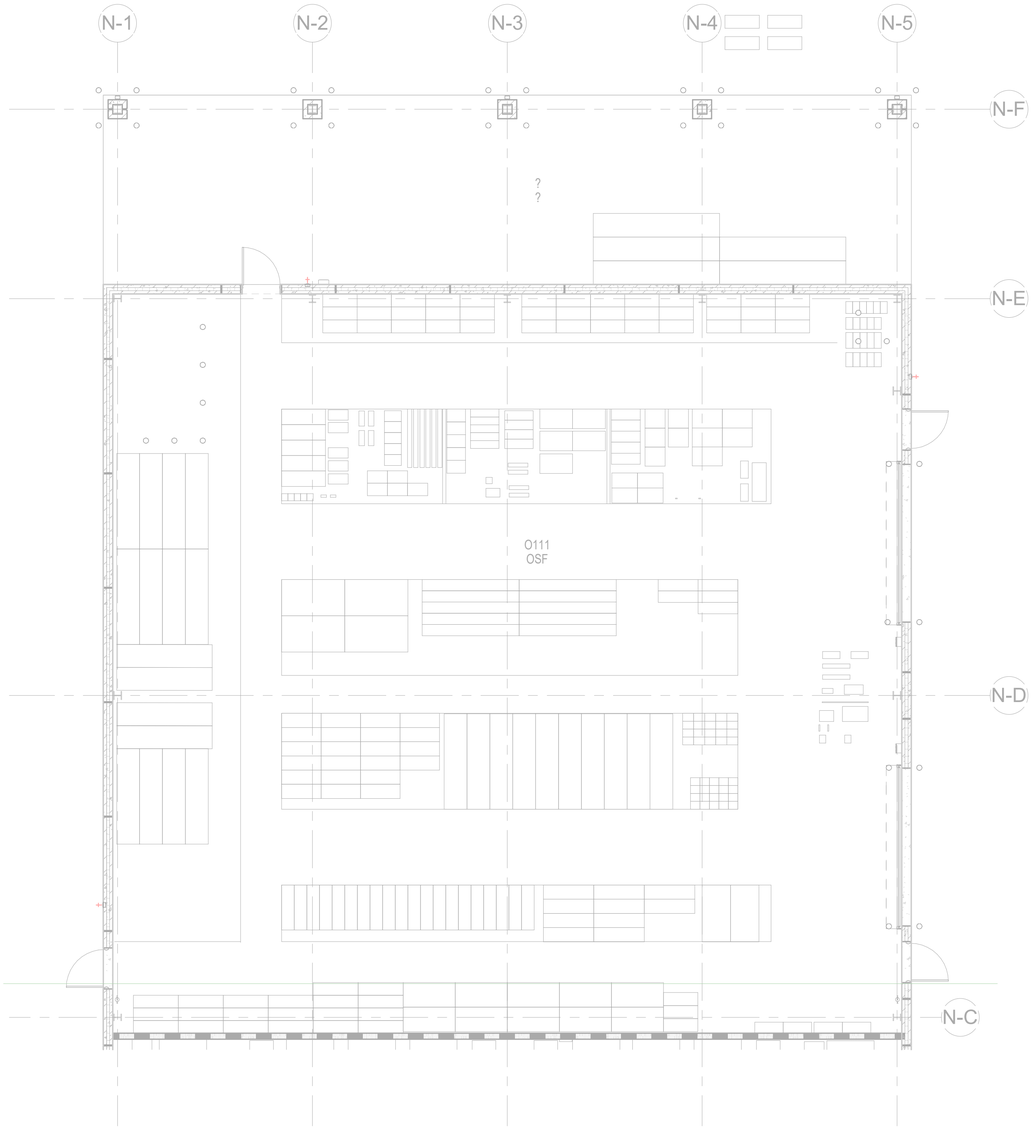
DRAWFORM REVISION: 25 AUGUST 2020

Autodesk Docs://2024 1/MFAT 502 F35 Maintenance Hangar/2024 F35 maint Hangar_OSF shop Annex LV-RV72024.rvt
11/6/2025 4:08:22 PM

NOTES:

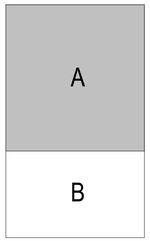
SHEET NOTES:

A. SHEET SHOWN FOR REFERENCE ONLY.



A2 OSF - FLOOR PLAN - GROUND FLOOR - SECTOR A - TELECOMMUNICATIONS

1/8" = 1'-0"



KEYPLAN

0 5' 10' 20' 30'

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

INCLUDE THIS WORK ONLY IF OSF OPTION IS AWARDED.

NOTE:
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Approved by J. Scott Roberts,
Asset Management Branch Head &
Supervisory Facility Planner, PWD
Beaufort, SC via email

SATISFACTORY TO DATE	12/15/2022
DES DRS	DRW KGG CHK KLM
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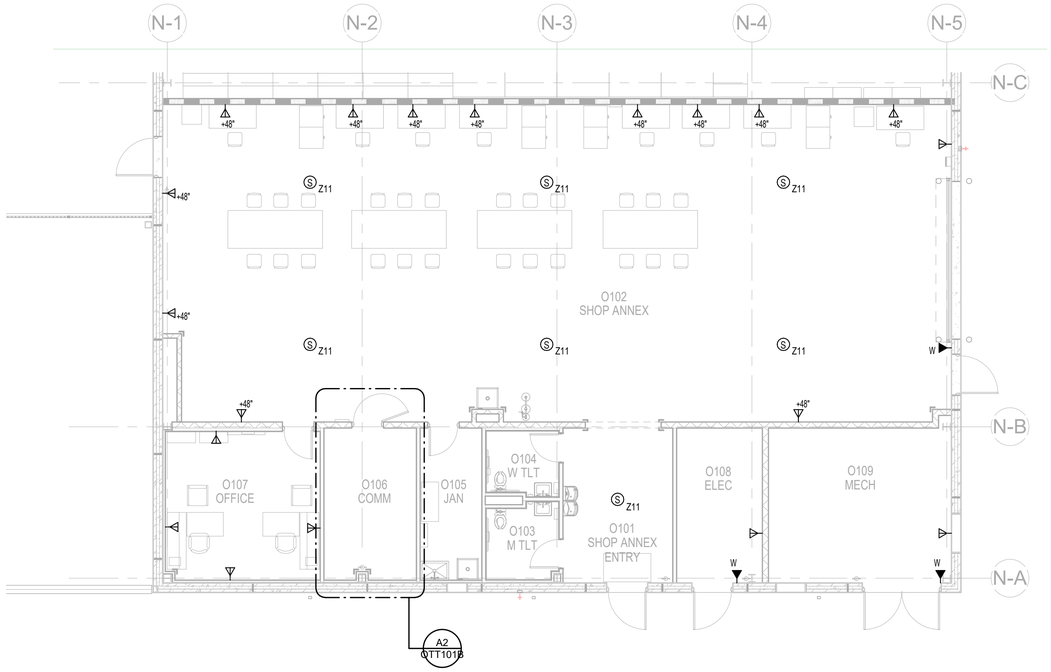
P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 3 (OSF OPTION)

OSF / SHOP ANNEX - FLOOR PLAN - SECTOR A - TELECOMMUNICATIONS

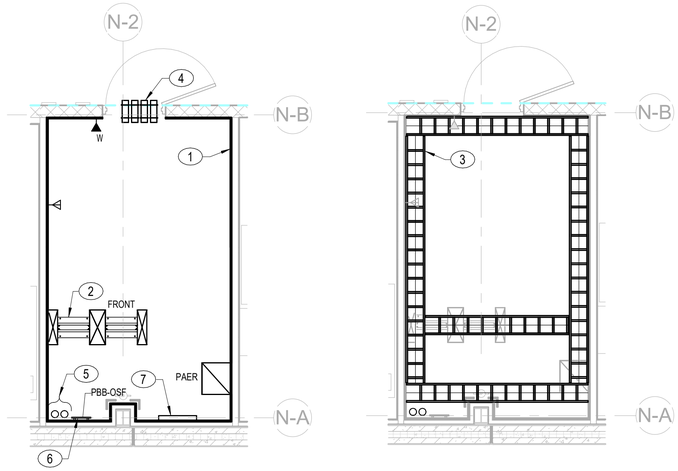
SCALE:	1/8" = 1'-0"
EPROJECT NO.:	1363603
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12860253
SHEET	1052 OF 1412

OTT101A

DRAWFORM REVISION: 25 AUGUST 2020



B2 OSF - FLOOR PLAN - GROUND FLOOR - SECTOR B - TELECOMMUNICATIONS
1/8" = 1'-0"



FLOOR PLAN

LADDER RACK PLAN

A2 ENLARGED COMMUNICATIONS ROOM O106
1/4" = 1'-0"

NOTES:

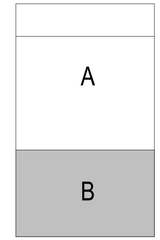
SHEET NOTES:

A. PROVIDE EXTERIOR EXPOSURE CORROSION PROTECTION AND CONTROL IN ACCORDANCE WITH AN ENVIRONMENTAL SEVERITY CLASSIFICATION (ESC) OF C4 FOR BUILDING SYSTEMS AND COMPONENTS IN THE FOLLOWING ROOMS: O101 SHOP ANNEX ENTRY, O102 SHOP ANNEX, O108 ELEC, O109 MECH, AND O111 OSF.

KEY NOTES (00)

1 100% VOID FREE, FIRE RATED, 3/4" PLYWOOD BACKBOARD FROM FINISHED FLOOR TO 8'-0" AFF. PAINT ALL SIDES AND EDGES WITH TWO COATS OF FIRE RETARDANT PAINT. DO NOT PAINT OVER FIRE RATING LABEL. TYPICAL FOR ALL WALLS.
2 19" WIDE X 7' TALL TWO POST RACK, TYPICAL.
3 WALL SUPPORTED 12" WIDE LADDER RACK CABLE RUNWAY. PROVIDE TRIANGULAR WALL STEEL SUPPORT BRACKETS AS REQUIRED. MOUNT LADDER RACK SYSTEM AT 6" ABOVE THE TOP OF THE EQUIPMENT RACKS.
4 (4) 4", 1 HOUR FIRE RATED WALL PENETRATION ASSEMBLIES.
5 (2) 4" CONDUITS, SEE SHEET TS105 FOR CONTINUATION.
6 MOUNT PBB AT 12" ABOVE LADDER RACK TO CENTER.
7 WALL SPACE FOR OSP COPPER CABLE TERMINATIONS AND BUILDING ENTRANCE PROTECTORS.

INCLUDE THIS WORK ONLY IF OSF OPTION IS AWARDED.



KEYPLAN

0 5' 10' 20' 30'
1/8" = 1'-0" GRAPHIC SCALE

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

NOTE:
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CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

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OSF / SHOP ANNEX - FLOOR PLAN - SECTOR B - TELECOMMUNICATIONS

SCALE: As indicated
EPROJECT NO.: 1363603
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12860254
SHEET 1053 OF 1412
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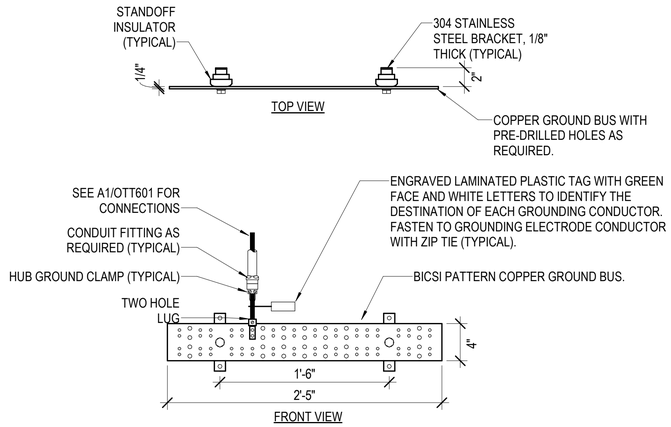
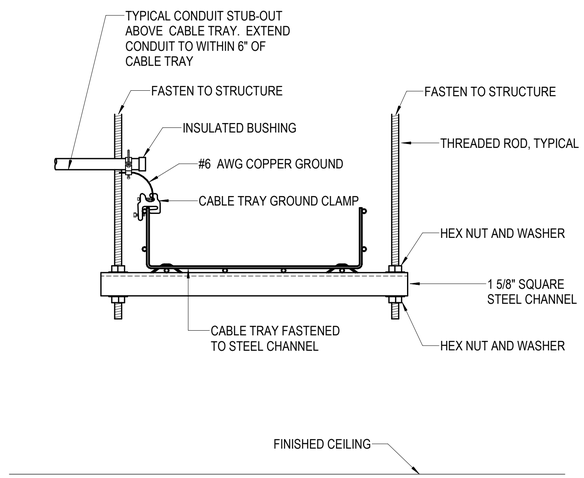
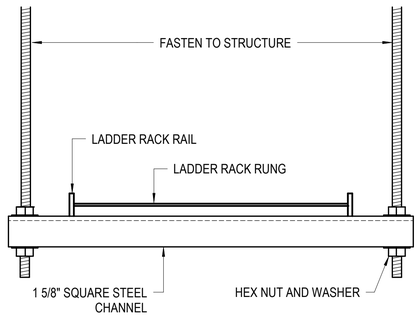


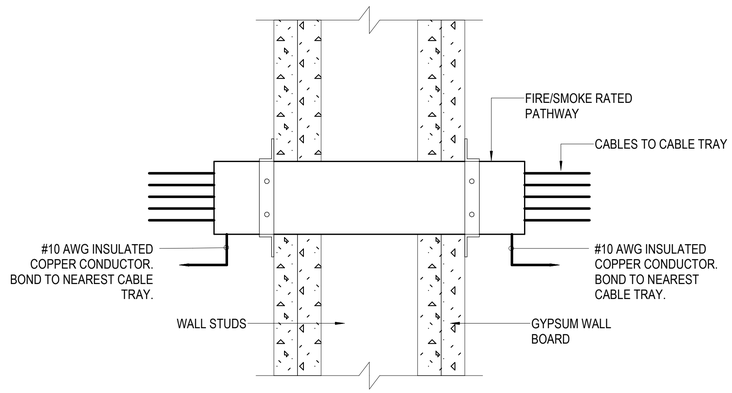
C2 PRIMARY BONDING BUSBAR (PBB) DETAIL
NOT TO SCALE



A1 CONDUIT STUB-OUT DETAIL - BASKET TRAY
NOT TO SCALE



A2 LADDER RACK TRAPEZE SUPPORT DETAIL
NOT TO SCALE



SECTION THROUGH WALL

NOTES:

A. SEE PARTITION TYPES, SHEET AE801 FOR PATHWAY REQUIREMENTS.
B. CROSS SECTIONAL AREA OF PATHWAY SHALL BE EQUAL TO OR GREATER THAN CROSS SECTIONAL AREA OF ASSOCIATED CABLE TRAY.

A4 FIRE RATED PATHWAY DETAIL
NOT TO SCALE

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FOR COMMANDER NAVFAC 1/12/2025
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PM/DM	KTB / RLH
BRANCH MANAGER	JAS
CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

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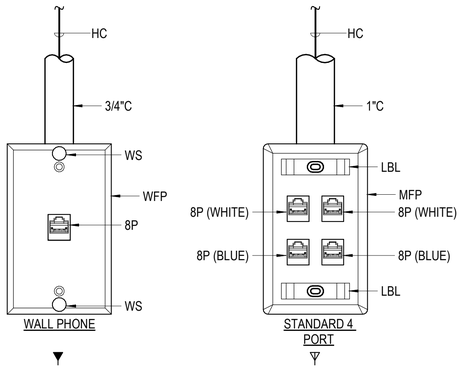
NORFOLK, VA
MCAS BEAUFORT
BEAUFORT, SC
P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 3 (OSF OPTION)
TELECOMMUNICATIONS DETAILS

SCALE:	As indicated
EPROJECT NO.:	1363603
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12860255
SHEET	1054 OF 1412

OTT501

DRAWFORM REVISION: 25 AUGUST 2020



DETAIL CODES	
8P	8 POSITION MODULAR JACK
1"C	1" CONDUIT TO NEAREST CABLE TRAY
3/4"C	3/4" CONDUIT TO NEAREST CABLE TRAY
B	BLANK INSERT
CX	COAXIAL TELEVISION CABLE TO DIRECTIONAL COUPLER
FC	F-TYPE COAXIAL CONNECTOR
HC	HORIZONTAL CABLE(S)
LBL	LABEL SPACE
MFP	MODULAR FACE PLATE
NC	CATEGORY 6A CABLE TO NURSE CALL PATIENT STATION. SEE 2/ET603 FOR ADDITIONAL REQUIREMENTS.
WFP	WALL PHONE FACE PLATE
WS	WALL PHONE MOUNTING STUD

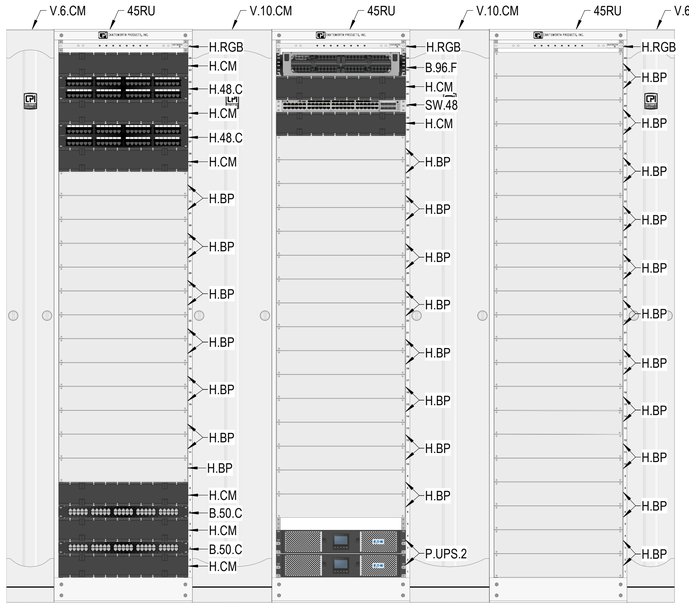
FACE PLATE CODES	
W	SINGLE PORT FACE PLATE. WALL PHONE WITH ONE 8P JACK AND MOUNTING STUDS

DETAIL NOTES:

A. ALL BACK BOXES SHALL BE 4 11/16" BY 2 7/8" DEEP WITH SINGLE GANG PLASTER RING UNLESS OTHERWISE INDICATED.
B. PROVIDE BLANK INSERT FOR ALL UNUSED FACEPLATE PORTS.
C. PROVIDE (1) CATEGORY 6A, 4 PAIR HORIZONTAL CABLE FOR EACH 8 POSITION MODULAR JACK FROM THE OUTLET TO HORIZONTAL PATCH PANEL IN THE INDICATED COMMUNICATIONS ROOM. SEE TELECOMMUNICATIONS ZONE ALLOCATION PLAN FOR COMMUNICATIONS ROOM IN WHICH CABLES ARE TERMINATED.
D. SEE A1/OTT501 FOR CONDUIT TO CABLE TRAY STUB OUT DETAIL.

A1 TYPICAL VOICE / DATA OUTLET DETAILS

NOT TO SCALE



48-PORT PATCH PANEL AND 48-PORT SWITCH CALCULATIONS

OUTLET TYPE		OUTLET QUANTITY	TOTAL PORTS	NUMBER OF CABLES
TOTAL 3 PORT DATA OUTLETS				
	STANDARD OUTLET	20	3	60
MF	MODULAR FURNITURE OUTLET	0	3	0
TOTAL 1 PORT DATA OUTLETS				
	WALL PHONE OUTLET	4	1	4
WEL	ELEVATOR OUTLET	0	1	0
TOTAL TV OUTLETS				
TV	TV OUTLET	0	2	0
	TOTAL FLOOR BOXES	0	6	0
TOTAL NUMBER OF CABLES				64

TOTAL NUMBER OF CABLES	64
TOTAL NUMBER OF 48 PORT HORIZONTAL COPPER PATCH PANELS	2
TOTAL NUMBER OF 48 PORT SWITCHES	1

A3 O106 HIT RACK ELEVATION

NOT TO SCALE

NOTES:

SHEET NOTES:

A. HIT RACKS SHALL ONLY BE USED TO TERMINATE HIT NETWORKING CABLE.

RACK ELEVATION EQUIPMENT CODES

CODE	DESCRIPTION
H.48.C	CATEGORY 6A, 48 PORT HORIZONTAL COPPER PATCH PANEL
B.96.F	96 PORT FIBER OPTIC PATCH PANEL WITH LC CONNECTORS FOR BACKBONE CABLES
B.50.C	50 PAIR COPPER BACKBONE CABLE PATCH PANEL FOR BACKBONE CABLES
H.CM	HORIZONTAL CABLE MANAGEMENT
H.BP	BLANK FILLER PANEL
H.RGB	RACK MOUNTED GROUND BAR
V.6.CM	DOUBLE SIDED 6" VERTICAL CABLE MANAGEMENT
45RU	7' HIGH, 45RU EQUIPMENT RACK
SW.48	48 PORT SWITCH, GOVERNMENT FURNISHED, GOVERNMENT INSTALLED
P.UPS.2	2KVA UPS, GOVERNMENT FURNISHED, GOVERNMENT INSTALLED

PATCH PANEL FORMULA

(TOTAL # OF CABLES)*1.25/48

- NUMBER OF PORTS PER PATCH PANEL
- TOTAL TERMINATED CABLES PLUS 25%
- TOTAL TERMINATED CAT6A HORIZONTAL CABLES IN TELECOMMUNICATIONS ZONE

SWITCH FORMULA

(((TOTAL # OF CABLES)*0.35))*1.3/48

- NUMBER OF PORTS PER SWITCH
- TOTAL TERMINATED CABLES PLUS 30%
- SWITCH PORT DIVERSITY FACTOR
- TOTAL TERMINATED CAT6A HORIZONTAL CABLES IN TELECOMMUNICATIONS ZONE

B4 RACK ELEVATION GENERAL NOTES

NOT TO SCALE

INCLUDE THIS WORK ONLY IF OSF OPTION IS AWARDED.

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

NO	DESCRIPTION	DATE	APPR
1	MOD P00005	05/2023	
2	MOD P00006 AND MOD P00007	10/2025	

NAVFAC

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
DONALD R SELLERS
REG. NO. 110645
EXPIRES 12-31-2026
RCDD

BAMFORTH ENGINEERS + CONSTRUCTORS

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 11/21/2025

ACTIVITY
Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email.

SATISFACTORY TO DATE	12/15/2022
DES DRS	DRW KGG CHK KLM
PM/DM	KTB / RLH
BRANCH MANAGER	JAS
CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VA
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
DC CORE
MCAS BEAUFORT
BEAUFORT, SC
P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 3 (OSF OPTION)
TELECOMMUNICATIONS DETAILS

SCALE:	As indicated
EPROJECT NO.:	1363603
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12860256
SHEET	1055 OF 1412

OTT502

DRAWFORM REVISION: 25 AUGUST 2020

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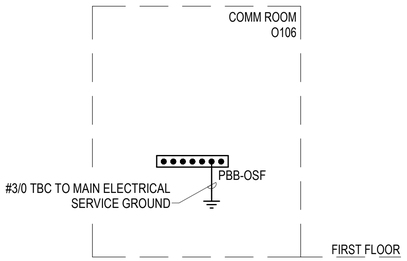

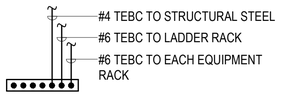

TYPICAL PBB/SBB CONNECTIONS

NOTES:

A. TELECOMMUNICATIONS GROUNDING SHALL BE IN ACCORDANCE WITH TIA-607-D.
B. INSTALL ALL TBC, TBB AND ALL BBC IN 1" CONDUIT, UNLESS OTHERWISE NOTED. BOND CONDUIT TO GROUND BUS AS INDICATED IN DETAILS C2/TT501 AND C4/TT501.
C. LABEL EACH GROUNDING AND BONDING CONDUCTOR AS REQUIRED BY TIA-607-D.

TELECOMMUNICATIONS GROUNDING CONDUCTOR LEGEND	
TBC	TELECOMMUNICATIONS BONDING CONDUCTOR
BBC	BACKBONE BONDING CONDUCTOR
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR

A1 TELECOMMUNICATIONS GROUNDING RISER
NOT TO SCALE

INCLUDE THIS WORK ONLY IF OSF OPTION IS AWARDED.

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

SYM	DESCRIPTION	DATE	APPR
1	MOD P00005	05/2023	
2	MOD P00006 AND MOD P00007	10/2025	

NAVFAC

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
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DONALD R SELLERS
REG. NO. 110645
EXPIRES 12-31-2028
RCDD
SEAL

BAMFORTH
ENGINEERS + SURVEYORS
A/E INFO

APPROVED
FOR COMMANDER NAVFAC 11/21/2025

ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head &
Supervisory Facility Planner, PWD
Beaufort, SC via email

SATISFACTORY TO DATE	12/15/2022
DES DRS / DRW KGG / CHK KLM	
PM/DM	KTB / RLH
BRANCH MANAGER	JAS
CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VA
DC CORE
MCAS BEAUFORT
BEAUFORT, SC
P-475 AIRCRAFT MAINTENANCE HANGAR - VOLUME 3 (OSF OPTION)
TELECOMMUNICATIONS RISERS DIAGRAMS

SCALE:	NTS
EPROJECT NO.:	1363603
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12860257
SHEET	1056 OF 1412

OTT601

DRAWFORM REVISION: 25 AUGUST 2020

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