

# STANDARDIZED ROOM DATA SHEETS

USACE AVN-COS  
USACE MOBILE, ALABAMA DISTRICT  
CURRENT VERSION: 8/1/2024

APPLIES TO PROJECTS DEVELOPED UNDER THE FOLLOWING ARMY STANDARDS:  
TOE-RW  
TDA ROTARY WING

ROOM DATA SHEETS ARE TO BE USED TO SUPPLEMENT AVAILABLE STANDARD DESIGN FLOORPLANS. IF NO ARMY STANDARD APPLIES OR IF NO STANDARD DESIGN FLOORPLANS ARE AVAILABLE FOR THE PROPOSED FACILITY, CONTACT THE COS FOR ASSISTANCE IN DEVELOPING ADDITIONAL REQUIREMENTS SUCH AS FUNCTIONAL RELATIONSHIPS, FINISHES, REQUIRED FFE, ETC.

WHERE 'NONE' IS SHOWN FOR SPECIFIC CRITERIA, THIS IS TO BE INTERPRETED AS 'NONE ADDITIONAL ABOVE BASE REQUIREMENTS OF CURRENT UFCs, REGULATIONS AND CODES'.

CURRENT VERSIONS OF PUBLISHED ARMY STANDARDS AND STANDARD DESIGNS ARE AVAILABLE AT:  
<https://mrsi.erdcdren.mil/cos/sam/>

## CHANGE LOG:

8/1/2024 REVISION TO STANDARDIZE REQUIREMENTS ACROSS ALL SHEETS.  
6/21/2024 CHANGED STC REQUIREMENTS FOR BAY01, UCNS;  
CHANGED NFPA HAZARD CLASSIFICATION OF CORR3;  
ADDED MISSING STSTR RDS;

# ALSE1

## SPACE NAME

ALSE SHOP / LOCKERS

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS : FA01E ALSE REPAIR

## DESCRIPTION / USAGE

SHOP SPACE FOR INSPECTION, MAINTENANCE, AND STORAGE OF ALSE EQUIPMENT

## SPACE CATCODE

211.16

## ARCHITECTURAL REQUIREMENTS

MINIMUM 60" DOUBLE DOOR ACCESS FROM COMMON CORRIDOR. STAINLESS STEEL CUSTOMER SERVICE COUNTER WITH COILING SHUTTER. ALSE LOCKERS TO BE 30" X 30" X 30" PASS THROUGH EVIDENCE-STYLE LOCKERS, TRIPLE STACKED.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

PROVIDE 2-TIER CLOTHES ROD. BOTTOM TIER TO BE REMOVABLE TO ALLOW DRYING OF MUSTANG SUITS.

IN HANGARS SUPPORTING A MEDEVAC MISSION, PROVIDE (2) CEILING SUPPORT POINTS CAPABLE OF SUPPORTING 500# FOR MAINTENANCE / TESTING OF EMERGENCY HOISTS.

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

STAINLESS STEEL UTILITY SINK WITH EMERGENCY EYEWASH. PROVIDE FLOOR DRAIN UNDER SUIT DRYING HANGING RODS.

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

2 COMPRESSED-AIR DROPS (MOISTURE AND OIL FREE) WITH DEDICATED REGULATOR HAVING USER-ADJUSTABLE OUTPUT PRESSURE FROM 5 TO 150 PSIg, PRESSURE GAGE, FILTER HOUSING, AND ISOLATION VALVE IN SHOP.

## MECHANICAL REQUIREMENTS

PROVIDE SPECIALIZED EXHAUST SYSTEM REQUIRED PER UFC 4-211-01 CHAPTER 3, 3-5.3.1.3 AVIONICS/ELECTRICAL REPAIR FOR ONE SOLDERING STATION.

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST IAW UFC 4-211-01. SUPPLY AS REQUIRED FOR AIR BALANCE OR TEMPERATURE & HUMIDITY CONTROL. NO RETURN AIR FROM SPACE.

## REQUIRED AIR BALANCE

NEGATIVE RELATIVE TO ALL ADMIN AND CORRIDOR SPACES, POSITIVE RELATIVE TO ALL SHOP SPACES AND BAY01

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR SORTING, PACKING, LIGHT ASSEMBLY

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE GROUNDING BAR AT EACH WORKBENCH.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR / LIS AT WORKBENCHES AND SERVICE COUNTER.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# ALSE2

## SPACE NAME

ALSE OVERWATER EQUIPMENT TESTING

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS : FA01E ALSE REPAIR

## DESCRIPTION / USAGE

ALSE OVERWATER EQUIPMENT TESTING

## SPACE CATCODE

21116

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NO SPECIAL REQUIREMENTS

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

1 COMPRESSED-AIR DROP (MOISTURE AND OIL FREE) WITH DEDICATED REGULATOR HAVING USER-ADJUSTABLE OUTPUT PRESSURE FROM 5 TO 150 PSIG, PRESSURE GAGE, FILTER HOUSING, AND ISOLATION VALVE IN SHOP.

## MECHANICAL REQUIREMENTS

NONE

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST IAW UFC 4-211-01. SUPPLY AS REQUIRED FOR AIR BALANCE OR TEMPERATURE & HUMIDITY CONTROL. NO RETURN AIR FROM SPACE.

## REQUIRED AIR BALANCE

NEGATIVE RELATIVE TO ALL ADMIN AND CORRIDOR SPACES, POSITIVE RELATIVE TO ALL SHOP SPACES AND BAY01

## MINIMUM HUMIDITY

20%/30% RH - SEE UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

52°F (11°C) DEW POINT. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

68°F (20°C) DB. NO UNOCCUPIED PERIOD ALLOWED.

## MAXIMUM TEMPERATURE (COOLING)

72°F (22°C) DB AND 55°F (11°C) DEW POINT TEMPERATURE. NO UNOCCUPIED PERIOD ALLOWED.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR SORTING, PACKING, LIGHT ASSEMBLY

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE GROUNDING BAR AT EACH WORKBENCH.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR / LIS AT WORKBENCHES AND SERVICE COUNTER.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# BAY01

## SPACE NAME

AIRCRAFT MAINTENANCE BAY

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01A MAINTENANCE BAY

## DESCRIPTION / USAGE

HEATED AND VENTILATED WORK AREA FOR THE INSPECTION, MAINTENANCE, REPAIR AND MODIFICATION OF ROTARY-WING AIRCRAFT.

## SPACE CATCODE

211 14

## ARCHITECTURAL REQUIREMENTS

PROVIDE HANGAR DOORS WITH A MINIMUM 29' CLEAR VERTICAL OPENING. HANGAR DOOR CONFIGURATION MUST PROVIDE NO LESS THAN 50% OF THE HANGAR MAINTENANCE BAY ACCESSIBLE FOR AIRCRAFT MOVEMENT SIMULTANEOUSLY. MAN DOORS FROM FLIGHT LINE TO BE OFFICE FUNCTION CAPABLE OF REMAINING UNLOCKED AND OPERABLE FROM EXTERIOR DURING NORMAL OPERATIONS AND SECURED WHEN NECESSARY. REFER TO FLOOR PLANS FOR FFE.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

S / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

-

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

31'-0" HOOK HEIGHT

## SPECIAL EQUIPMENT / CONSTRUCTION

PROVIDE 10-TON BRIDGE CRANE(S) OVER ALL MAINTENANCE MODULES. WHERE HANGARS HAVE >4 AIRCRAFT MAINTENANCE MODULES, PROVIDE AT LEAST ONE CRANE FOR EVERY FOUR (4) AIRCRAFT MAINTENANCE MODULES.

## SECURITY REQUIREMENTS

ACCESS CONTROLS ON ALL PERIMETER DOORS.

## FIRE PROTECTION REQUIREMENTS

FOR THE PURPOSES OF FIRE PROTECTION AND CODE ANALYSIS, AIRCRAFT IS CONSIDERED FUELED.

## NFPA HAZARD CLASSIFICATION

CLASS I DIVISION 2 UP TO 18" AFF

## PLUMBING REQUIREMENTS

PROVIDE HOSE BIBB AND FLOOR DRAIN AT ALL UTILITY STANDS.

## SPRINKLER HAZARD CLASSIFICATION

IAW UFC 4-211-01. ILDFA (IGNITABLE LIQUID DRAINABLE FLOOR ASSEMBLY) IN LIEU OF FOAM SUPPRESSION, IF DESIRED AND IS PRE APPROVED BY AHJ.

## GASES / AIR REQUIREMENTS

PROVIDE COMPRESSED AIR DROPS ON EACH AIRCRAFT UTILITY PEDESTAL WITH CONNECTORS SUITABLE FOR USER EQUIPMENT. PROVIDE DEDICATED ISOLATION VALVE.

## MECHANICAL REQUIREMENTS

HEATED AND VENTILATED. SPECIALIZED EXHAUST SYSTEM IS REQUIRED IAW UFC 4-211-01 CHAPTER 3, 4 AND 6. PROVIDE HANGAR DOOR TRACK HEATING SYSTEM AND HEATED MAKEUP AIR IN CLIMATES WHERE ASHRAE 99% DESIGN TEMPERATURE IS LOWER THAN 35°F (2°C). PROVIDE ONE OR MORE 10-TON BRIDGE CRANE(S) IN BAY W/ PENDANT CONTROL. PROVIDE 1 CRANE FOR EVERY 4 MAINTENANCE MODULES (ROUND UP). PROVIDE VARIABLE SPEED CONTROLS W/ MAXIMUM TRAVEL SPEEDS OF 20 FPM FOR THE HOIST, 65 FPM FOR THE TROLLEY, AND 125 FPM FOR THE BRIDGE. MINIMUM ELEMENT SPEED SHALL BE NO GREATER THAN 1/10TH MAXIMUM SPEED.

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUSTED IN ACCORDANCE WITH UFC 4-211-01. PROVIDE INTAKE LOUVERS FOR PASSIVE INTAKE OF MAKEUP AIR. PROVIDE MAKEUP AIR UNITS WITH HEATING IN CLIMATES WHERE ASHRAE 99% DESIGN TEMPERATURE IS LOWER THAN 35°F (2°C).

## REQUIRED AIR BALANCE

NEGATIVE RELATIVE TO ALL SPACES EXCEPT SHBLA AND SHCOM

## MINIMUM HUMIDITY

UNCONTROLLED

## MAXIMUM HUMIDITY

UNCONTROLLED

## MINIMUM TEMPERATURE (HEATING)

68°F (20°C) DB AT 99% DB OUTDOOR DESIGN TEMPERATURE WHEN NECESSARY FOR MAINTENANCE OPERATIONS, OTHERWISE 55°F (12.8°C) DB. DURING UNOCCUPIED HOURS, 40°F (4.4°C) AT 99% DB OUTDOOR DESIGN TEMPERATURE. IF THE OUTSIDE AIR TEMPERATURE IS BELOW 40°F (4.4°C) OPERATE THE RADIANT HEATING SYSTEM REGARDLESS OF HANGAR DOOR POSITION.

## MAXIMUM TEMPERATURE (COOLING)

PROVIDE IAW UFC 4-211-01 3-5.1

## OUTSIDE AIRFLOW

VENTILATE THE HANGAR IAW UFC 4-211-01.

## TEMPERATURE OVERRIDES

68°F (20°C) DB FOR 8 HOURS FOR PROCESS REQUIREMENTS ONLY

## ELECTRICAL REQUIREMENTS

LOCATE ONE UTILITY PEDESTAL BETWEEN EACH MAINTENANCE MODULE AS SHOWN ON PLANS, EACH WITH 400 HZ AND 28VDC POWER. EACH PEDESTAL TO HAVE ONE (1) 400HZ CABLE REEL WITH 90' CABLE LENGTH AND ONE (1) 28VDC CABLE REEL WITH 75' CABLE LENGTH. PROVIDE 60A/480V/3Ø, 30A/208V/3Ø AND TWO (2) QUAD GFI 120V RECEPTACLES. PROVIDE AIRCRAFT GROUNDING IN ACCORDANCE WITH UFC 3-575-01.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

PROVIDE TWO (2) EACH NIPR / LIS DROPS AT EACH UTILITY PEDESTAL. PROVIDE OUTLETS ALONG PERIMETER WALLS TO SUPPORT WIRELESS ACCESS POINT (WAP) COVERAGE OF THE ENTIRE HANGAR BAY. PROVIDE OUTLETS NEAR THE HANGAR DOORS OR ON THE EXTERIOR OF THE FACILITY SUPPORT WAP COVERAGE OF THE APRON. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

PROVIDE CCTV CAMERA COVERAGE OF THE ENTIRE HANGAR BAY FLOOR AND APRON WITH MONITORING STATIONS IN QC, PC, AND FLIGHT OPS. CCTV FOR OPERATION PURPOSES, NOT SECURITY.

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# CONF1

SPACE NAME  
CONFERENCE

FUNCTIONAL AREA / SUBAREA  
FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS

DESCRIPTION / USAGE  
SMALL CONFERENCE ROOM

SPACE CATCODE  
14112

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC50

AUDIO / VIDEO REQUIREMENTS  
PROVIDE (1) TV MOUNT WITH HDMI IN WALL BEHIND TV AND IN FLOOR BOX UNDER CONFERENCE TABLE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NO SPECIAL REQUIREMENTS

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE

REQUIRED AIR BALANCE  
NEGATIVE TO CORRIDOR, POSITIVE TO ALL SHOP SPACES, AND  
NEUTRAL TO OTHER ADMIN SPACES

MINIMUM HUMIDITY  
20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 FOR OFFICE SPACE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
PROVIDE OUTLETS FOR WALL MOUNTED TV MONITORS, DIGITAL CLOCKS, CONFERENCE TABLE FLOOR BOXES, ETC.

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR OUTLETS ALONG PERIMETER WALLS WITH ADDITIONAL OUTLETS AT TV'S, DIGITAL CLOCKS, NEAR LECTURNS, CONFERENCE TABLE  
FLOOR BOXES, ETC.

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# CONF2

**SPACE NAME**  
PILOT BRIEFING ROOM

**FUNCTIONAL AREA / SUBAREA**  
FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS

**DESCRIPTION / USAGE**  
MEETING ROOM SUITABLE FOR SEMINAR-TYPE MISSION AND SAFETY BRIEFINGS, EXAMINATIONS OR INSTRUCTIONAL CLASSES.

**SPACE CATCODE**  
14112

**ARCHITECTURAL REQUIREMENTS**  
PROVIDE ACOUSTIC MOVEABLE PARTITION TO SEPARATE ROOM INTO 1/3-2/3 CONFIGURATION (STC45 MINIMUM)

**IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION**  
A / ASSEMBLY

**FFE REQUIREMENTS**  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

**ACOUSTICAL REQUIREMENTS**  
STC50

**AUDIO / VIDEO REQUIREMENTS**  
PROVIDE AUDIO VISUAL SYSTEM WITH CONTROL CONSOLE AT LECTERN.

**MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE**  
10'-0"

**SPECIAL EQUIPMENT / CONSTRUCTION**  
NONE

**SECURITY REQUIREMENTS**  
NONE

**FIRE PROTECTION REQUIREMENTS**  
NO SPECIAL REQUIREMENTS

**NFPA HAZARD CLASSIFICATION**  
NONE

**PLUMBING REQUIREMENTS**  
NONE

**SPRINKLER HAZARD CLASSIFICATION**  
LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

**GASES / AIR REQUIREMENTS**  
NONE

**MECHANICAL REQUIREMENTS**  
NO SPECIAL REQUIREMENTS

**MECHANICAL AIRFLOW SUPPLY, EXHAUST**  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE

**REQUIRED AIR BALANCE**  
NEGATIVE TO CORRIDOR, POSITIVE TO ALL SHOP SPACES, AND NEUTRAL TO OTHER ADMIN SPACES

**MINIMUM HUMIDITY**  
20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

**MAXIMUM HUMIDITY**  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

**MINIMUM TEMPERATURE (HEATING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

**MAXIMUM TEMPERATURE (COOLING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

**OUTSIDE AIRFLOW**  
IAW ASHRAE 62.1 FOR LECTURE CLASSROOM

**TEMPERATURE OVERRIDES**  
NONE

**ELECTRICAL REQUIREMENTS**  
PROVIDE OUTLETS FOR WALL MOUNTED TV MONITORS, DIGITAL CLOCKS, CONFERENCE TABLE FLOOR BOXES, ETC.

**TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS**  
NIPR OUTLETS ALONG PERIMETER WALLS WITH ADDITIONAL OUTLETS AT TV'S, DIGITAL CLOCKS, NEAR LECTURNS, CONFERENCE TABLE FLOOR BOXES, ETC.

**MISCELLANEOUS SYSTEMS REQUIREMENTS**  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# CONFS

**SPACE NAME**  
SECURE FLIGHT PLANNING

**FUNCTIONAL AREA / SUBAREA**  
FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS

**DESCRIPTION / USAGE**  
SECURE CONFERENCE / WORK ROOM

**SPACE CATCODE**  
141.12

**ARCHITECTURAL REQUIREMENTS**  
DESIGN AND BUILD PER AR-380-5 REQUIREMENT FOR SECURE ROOM WITH IDS FOR SIPR

**IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION**  
B / BUSINESS

**FFE REQUIREMENTS**  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

**ACOUSTICAL REQUIREMENTS**  
STC50

**AUDIO / VIDEO REQUIREMENTS**  
PROVIDE (1) TV MOUNT WITH HDMI CONNECTION IN WALL BEHIND TV AND IN FLOOR BOX UNDER CONFERENCE TABLE

**MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE**  
9'-0"

**SPECIAL EQUIPMENT / CONSTRUCTION**  
NONE

**SECURITY REQUIREMENTS**  
SECURITY LOCK SET. ACCESS CONTROLS ON ENTRY DOOR. VERIFY OPEN OR CLOSED STORAGE INTENT WITH UNIT.

**FIRE PROTECTION REQUIREMENTS**  
NO SPECIAL REQUIREMENTS OTHER THAN FOR SECURITY. PENETRATIONS OF SECURE BOUNDARY WALLS MUST COMPLY WITH UFC 4-010-05, ICD 705, AND SITE SECURITY MANAGER DIRECTIVES.

**NFPA HAZARD CLASSIFICATION**  
NONE

**PLUMBING REQUIREMENTS**  
NONE

**SPRINKLER HAZARD CLASSIFICATION**  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

**GASES / AIR REQUIREMENTS**  
NONE

**MECHANICAL REQUIREMENTS**  
DUCTS EXCEEDING 96 SQ INCHES REQUIRE MANBARS/GRILLS/SOUND BAFFLES, DIELECTRIC BREAKS AT PENETRATIONS OF SECURE BOUNDARY WALLS IAW UFC 4-010-05 & ICD 705. PIPING PENETRATIONS MUST ALSO COMPLY WITH UFC 4-010-05, ICD 705, AND SITE SECURITY MANAGER REQUIREMENTS.

**MECHANICAL AIRFLOW SUPPLY, EXHAUST**  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE

**REQUIRED AIR BALANCE**  
NEGATIVE TO CORRIDOR, POSITIVE TO ALL SHOP SPACES, AND NEUTRAL TO OTHER ADMIN SPACES

**MINIMUM HUMIDITY**  
20%/30% RH - SEE UFC 4-211-01, 3-5.2.3

**MAXIMUM HUMIDITY**  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

**MINIMUM TEMPERATURE (HEATING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

**MAXIMUM TEMPERATURE (COOLING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

**OUTSIDE AIRFLOW**  
IAW ASHRAE 62.1 FOR OFFICE SPACE

**TEMPERATURE OVERRIDES**  
NONE

**ELECTRICAL REQUIREMENTS**  
PROVIDE OUTLETS FOR WALL MOUNTED TV MONITORS, DIGITAL CLOCKS, CONFERENCE TABLE FLOOR BOXES, ETC.

**TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS**  
NIPR OUTLETS ALONG PERIMETER WALLS WITH ADDITIONAL OUTLETS AT TV'S, DIGITAL CLOCKS, NEAR LECTURNS, CONFERENCE TABLE FLOOR BOXES, ETC. PROVIDE LIS OUTLETS AT WORKSTATIONS. PROVIDE SIPR OUTLET IN PDS NEAR LECTURN.

**MISCELLANEOUS SYSTEMS REQUIREMENTS**  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# CORR1

SPACE NAME  
CORRIDOR

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03C CIRCULATION

DESCRIPTION / USAGE  
COMMON CORRIDOR

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS  
F / INDUSTRIAL FOR CROSS  
CORRIDOR IN SHOP AREAS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOOR PLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE. PROVIDE WALL  
PROTECTION.

ACOUSTICAL REQUIREMENTS  
NONE

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
CLASS I DIVISION 2 UP TO 18" AFF  
WHERE NOT SUITABLY CUTOFF

PLUMBING REQUIREMENTS  
NO SPECIAL REQUIREMENTS

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP. USE REHEAT FOR TEMPERATURE CONTROL.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
PRESSURIZE TO PROVIDE MAKEUP AIR TO COMMUNICATING SPACE(S) WITH EXHAUST AIRFLOWS AND, WHERE FED WITH VARIABLE AIRFLOW, THE AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE COMMUNICATING SPACE(S). MINIMIZE RETURN AIR.

REQUIRED AIR BALANCE  
POSITIVE TO ALL SPACES EXCEPT CORR4

MINIMUM HUMIDITY  
UNCONTROLLED

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
COMPLY WITH ASHRAE 62.1 FOR OFFICE SPACE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.



# CORR2

SPACE NAME  
VESTIBULE

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03C CIRCULATION

DESCRIPTION / USAGE  
ENTRY VESTIBULE

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
PROVIDE RECESSED WALK OFF MAT

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
NONE

ACOUSTICAL REQUIREMENTS  
NONE

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
CLASS I DIVISION II UP TO 18" AFF

PLUMBING REQUIREMENTS  
NO SPECIAL REQUIREMENTS

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
IAW UFC 3-410-01 3-6.5 LOCATE EMERGENCY HVAC SHUTDOWN SWITCH(ES) IN VESTIBULE(S) OR ENTRANCE(S) OF THE BUILDING.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
IAW UFC 3-410-01 3-6.5

REQUIRED AIR BALANCE  
IAW UFC 3-410-01 3-6.5

MINIMUM HUMIDITY  
UNCONTROLLED

MAXIMUM HUMIDITY  
UNCONTROLLED

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 3-410-01 3-6.5.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 3-410-01 3-6.5.

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# CORR3

SPACE NAME  
CORRIDOR

FUNCTIONAL AREA / SUBAREA  
FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

DESCRIPTION / USAGE  
STRUCTURAL SHOP AND BLADE/COMPOSITE ACCESS CORRIDOR

SPACE CATCODE  
211.16

ARCHITECTURAL REQUIREMENTS  
PROVIDE WALL PROTECTION AND GUARDS AT CART LEVEL.

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
F / INDUSTRIAL

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOOR PLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
NONE

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
CLASS I DIVISION II UP TO 18" AFF

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
SPECIALIZED SYSTEM REQUIRED PER UFC 4-211-01 CHAPTER 3.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
PRESSURIZE TO PROVIDE MAKEUP AIR TO COMMUNICATING SPACE(S)  
WITH EXHAUST AIRFLOWS AND, WHERE FED WITH VARIABLE AIRFLOW,  
THE AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF  
THE COMMUNICATING SPACE(S). MINIMIZE RETURN AIR. USE REHEAT  
FOR TEMPERATURE CONTROL.

REQUIRED AIR BALANCE  
POSITIVE TO ALL SPACES EXCEPT CORR4

MINIMUM HUMIDITY  
UNCONTROLLED

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 (MANUFACTURING)

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# CORR4

SPACE NAME  
AIR LOCK

FUNCTIONAL AREA / SUBAREA  
FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

DESCRIPTION / USAGE  
AIR LOCK BETWEEN STRUCTURAL SHOP AND BLADE/COMPOSITE ACCESS CORRIDOR

SPACE CATCODE  
211.16

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
F / INDUSTRIAL

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
NONE

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
CLASS I DIVISION 2 UP TO 18" AFF  
WHERE NOT SUITABLY CUTOFF

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP. USE REHEAT FOR TEMPERATURE CONTROL.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
PRESSURIZE SUPPLY AIR ONLY. NO RETURN OR EXHAUST.

REQUIRED AIR BALANCE  
POSITIVE TO ALL SPACES

MINIMUM HUMIDITY  
INDIRECT CONTROL FROM ADJACENT SYSTEM

MAXIMUM HUMIDITY  
INDIRECT CONTROL FROM ADJACENT SYSTEM

MINIMUM TEMPERATURE (HEATING)  
INDIRECT HEATING FROM ADJACENT SYSTEM

MAXIMUM TEMPERATURE (COOLING)  
INDIRECT COOLING FROM ADJACENT SYSTEM

OUTSIDE AIRFLOW  
OA - 10 CFM/PERSON +0.18CFM/SF (SHOP)

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# CORR5

SPACE NAME  
SHOP SERVICE CORRIDOR

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03C CIRCULATION

DESCRIPTION / USAGE  
SERVICE CORRIDOR

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
F / INDUSTRIAL

FFE REQUIREMENTS  
PROVIDE WALL PROTECTION.

ACOUSTICAL REQUIREMENTS  
NONE

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
10'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01

NFPA HAZARD CLASSIFICATION  
CLASS I DIVISION II UP TO 18" AFF

PLUMBING REQUIREMENTS  
NO SPECIAL REQUIREMENTS

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP. USE REHEAT FOR TEMPERATURE CONTROL.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
PRESSURIZE TO PROVIDE MAKEUP AIR TO COMMUNICATING SPACE(S)  
WITH EXHAUST AIRFLOWS AND, WHERE FED WITH VARIABLE AIRFLOW,  
THE AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF  
THE COMMUNICATING SPACE(S). MINIMIZE RETURN AIR FROM SPACE.

REQUIRED AIR BALANCE  
POSITIVE TO ALL SPACES

MINIMUM HUMIDITY  
UNCONTROLLED

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
COMPLY WITH ASHRAE 62.1 FOR OFFICE SPACE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# ELEC1

SPACE NAME  
PRIMARY ELECTRICAL ROOM

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03B BUILDING SUPPORT

DESCRIPTION / USAGE  
PRIMARY ELECTRICAL ROOM

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
NONE

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
12'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPRINKLER PIPING SERVING OTHER SPACES ALLOWED IN THIS ROOM. AVOID LOCATING SPRINKLERS AND PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT.

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NO PLUMBING ALLOWED ROUTED OVER ELECTRICAL ROOMS. PROVIDE IAW UFC 4-211-01

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQUIRED FOR AIR BALANCE, TEMPERATURE, AND HUMIDITY CONTROL

REQUIRED AIR BALANCE  
IF PROJECT SITE IS A COASTAL (SALT-WATER) ENVIRONMENT, PROVIDE POSITIVE PRESSURIZATION OF SPACE WITH CONDITIONED AIR FROM DEDICATED SYSTEM AND/OR NEAREST BUILDING, A/C SYSTEM.

MINIMUM HUMIDITY  
IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY USERS.

MAXIMUM HUMIDITY  
IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY USERS.

MINIMUM TEMPERATURE (HEATING)  
40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)

MAXIMUM TEMPERATURE (COOLING)  
10°F (5°C) ABOVE OUTSIDE AMBIENT IF UNCONDITIONED USING EXHAUST FAN. IF CONDITIONED, COMPLY WITH UFC 3-410-01.

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
VOIP WALL OUTLET

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# ELEC2

SPACE NAME  
BRANCH ELECTRICAL

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03B BUILDING SUPPORT

DESCRIPTION / USAGE  
BRANCH ELECTRICAL ROOM

SPACE CATCODE  
21110

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
12'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPRINKLER PIPING SERVING OTHER SPACES ALLOWED IN THIS ROOM. AVOID LOCATING SPRINKLERS AND PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT.

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NO PLUMBING ALLOWED ROUTED OVER ELECTRICAL ROOMS. PROVIDE IAW UFC 4-211-02

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQUIRED FOR AIR BALANCE, TEMPERATURE, AND HUMIDITY CONTROL

REQUIRED AIR BALANCE  
IF PROJECT SITE IS A COASTAL (SALT-WATER) ENVIRONMENT, PROVIDE POSITIVE PRESSURIZATION OF SPACE WITH CONDITIONED AIR FROM DEDICATED SYSTEM AND/OR NEAREST BUILDING, A/C SYSTEM.

MINIMUM HUMIDITY  
IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY USERS.

MAXIMUM HUMIDITY  
IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY USERS.

MINIMUM TEMPERATURE (HEATING)  
40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)

MAXIMUM TEMPERATURE (COOLING)  
10°F (5°C) ABOVE OUTSIDE AMBIENT IF UNCONDITIONED USING EXHAUST FAN. IF CONDITIONED, COMPLY WITH UFC 3-410-01.

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
VOIP WALL OUTLET

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# ELEV1

SPACE NAME  
ELEVATOR

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03C CIRCULATION

DESCRIPTION / USAGE  
ELEVATOR

SPACE CATCODE  
21116

## ARCHITECTURAL REQUIREMENTS

MINIMUM 42" WIDE X 84" HIGH ENTRANCE WIDTH. MUST ACCOMMODATE STRETCHER/GURNEY – INCLUDE HOISTWAY ENTRAPMENT ESCAPE ZONE REQUIRED BY UFC 3-490-06

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE

8'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

PROVIDE HOISTWAY, PIT AND MACHINE SPACE SPRINKLERS IN ACCORDANCE WITH NFPA 13 AS MODIFIED BY UFC 3-600-01. ZONE FLOW SWITCHES FOR HOISTWAY AND MACHINE ROOM/MACHINE SPACE MUST SHUNT TRIP DISCONNECT POWER TO ELEVATOR.

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

PROVIDE ELEVATOR SUMP PUMP (IF GRAVITY DRAINAGE IS NOT FEASIBLE) SIZED FOR 50 GPM PER CAR. FOR HYDRAULIC ELEVATORS, SUMP PUMPS (WHERE PROVIDED) MUST INCLUDE OIL-MINDER ALARMS AND SHUT-OFF SYSTEM. FOR GRAVITY DRAINED SYSTEM, TAKE DRAIN TO INDUSTRIAL WASTE OR OIL/WATER SEPARATOR, OR AS DIRECTED BY LOCAL ENVIRONMENTAL REQUIREMENTS

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

MACHINE-ROOM-LESS ELEVATORS MUST NOT USE DESIGNS THAT ALLOW THE HOIST MOTOR TO RIDE ON TOP OF THE CAB. MACHINERY MUST BE IN DEDICATED MACHINE SPACE WITH MAINTENANCE ACCESS OR MACHINE ROOM. SEE UFC 3-490-06

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

SEPARATE DEDICATED SYSTEM REQUIRED IN ELEVATOR MACHINE ROOMS BY ASME A117

## REQUIRED AIR BALANCE

NEGATIVE TO ADJACENT SPACES

## MINIMUM HUMIDITY

UNCONTROLLED

## MAXIMUM HUMIDITY

UNCONTROLLED

## MINIMUM TEMPERATURE (HEATING)

40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)

## MAXIMUM TEMPERATURE (COOLING)

AS REQUIRED BY INSTALLED EQUIPMENT.

## OUTSIDE AIRFLOW

NONE

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/VOIP OUTLET

## MISCELLANEOUS SYSTEMS REQUIREMENTS

MACHINE-ROOM-LESS ELEVATORS MUST NOT USE DESIGNS THAT ALLOW THE HOIST MOTOR TO RIDE ON TOP OF THE CAB. MACHINERY MUST BE IN DEDICATED MACHINE SPACE WITH MAINTENANCE ACCESS

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# FIRE1

## SPACE NAME

PRIMARY FIRE SUPPRESSION ROOM

## FUNCTIONAL AREA / SUBAREA

FA03 NET-TO-GROSS AREA / FA03B BUILDING SUPPORT

## DESCRIPTION / USAGE

PRIMARY FIRE SUPPRESSION ROOM

## SPACE CATCODE

21110

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

12'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

PROVIDE FIRE SERVICE ENTRANCE PIPING (WHERE APPLICABLE) IN ACCORDANCE WITH UFC 4-211-01.  
FOAM CONCENTRATE PUMPS ARE FIRE PUMPS AND INSTALLATION MUST COMPLY WITH NFPA 20.

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

PROVIDE FLOOR DRAINS FOR WET PIPE RISERS. IAW UFC 4-211-02 PART 3-6.7 PROVIDE SECONDARY MEANS  
OF CONTAINMENT AROUND FOAM CONCENTRATE TANK - EX: 6" CURB WITH THE AREA THAT HOLDS MORE  
THAN THE VOLUME OF CONCENTRATE IN TANK. DO NOT INSTALL A DRAIN WITHIN THIS AREA.

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

PROVIDE EXHAUST TO ACCOUNT FOR PUMPS' HEAT OF REJECTION  
 $Q = \text{PUMP HP} / 2546 \times (1 - \text{EFFICIENCY}) = \text{BTU/H}$ ,  $\text{CFM} = Q / (1.08 \times \Delta T)$ ,  $\Delta T = 10^\circ\text{F}$  -  
SYSTEM RUNS ONLY WHEN PUMPS RUN AS CONTROLLED BY ROOM  
THERMOSTAT SET AT 85°F (29°C)

## REQUIRED AIR BALANCE

IF PROJECT SITE IS A COASTAL (SALT-WATER) ENVIRONMENT,  
PROVIDE POSITIVE PRESSURIZATION OF SPACE WITH CONDITIONED  
AIR FROM NEAREST BUILDING, A/C SYSTEM (WHEN EXHAUST SYSTEM  
IS NOT ACTIVATED FOR PUMP COOLING)

## MINIMUM HUMIDITY

UNCONTROLLED

## MAXIMUM HUMIDITY

UNCONTROLLED

## MINIMUM TEMPERATURE (HEATING)

40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)

## MAXIMUM TEMPERATURE (COOLING)

SET TEMPERATURES NO LOWER THAN 85°F (29.4°C).

## OUTSIDE AIRFLOW

NONE REQUIRED EXCEPT EXHAUST MAKEUP VIA LOUVER DURING PUMP OPERATION

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NONE

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.



# FIRE2

SPACE NAME  
FOAM MIXING

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03B BUILDING SUPPORT

DESCRIPTION / USAGE  
FOAM MIXING ROOM

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
NONE

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
12'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
IN COLD CLIMATES, MAINTAIN MINIMUM TEMPERATURE.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
NONE EXCEPT AS REQUIRED FOR AIR BALANCE

REQUIRED AIR BALANCE  
IF PROJECT SITE IS A COASTAL (SALT-WATER) ENVIRONMENT,  
PROVIDE POSITIVE PRESSURIZATION OF SPACE WITH CONDITIONED  
AIR FROM NEAREST BUILDING, A/C SYSTEM

MINIMUM HUMIDITY  
UNCONTROLLED

MAXIMUM HUMIDITY  
UNCONTROLLED

MINIMUM TEMPERATURE (HEATING)  
40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)

MAXIMUM TEMPERATURE (COOLING)  
N/A

OUTSIDE AIRFLOW  
NONE REQUIRED

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# ITLS1

## SPACE NAME

LIS EQUIPMENT / CABLING ROOM

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS / FA01B SHOP ADMIN

## DESCRIPTION / USAGE

LIS EQUIPMENT ROOM

## SPACE CATCODE

211 16

## ARCHITECTURAL REQUIREMENTS

PROVIDE ADDITIONAL LIS COMM ROOMS AS NEEDED TO COMPENSATE FOR CABLE LENGTH LIMITATION.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

NONE

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

12'-0" TO ALLOW PASSAGE OF  
CABLE TRAY / CABLING TO ABOVE  
ADJACENT CEILINGS WITHOUT  
PENETRATING CABLING ROOM  
CEILING

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE (EQUIPMENT AND CABLING IN SPACE PROPERTY OF UNIT AND NOT UNDER CONTROL OF NEC)

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

TREAT AS ADMIN/OFFICE SPACE

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE

## REQUIRED AIR BALANCE

NEGATIVE TO CORRIDOR, POSITIVE TO ALL SHOP SPACES, AND  
NEUTRAL TO OTHER ADMIN SPACES

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR OFFICE SPACE

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR / LIS. PROVIDE 1-4" CONDUIT FROM VSAT EQUIPMENT ROOM TO EXTERIOR VSAT ANTENNA LOCATION.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

ADJACENT TO PRODUCTION CONTROL.

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# ITSPR

SPACE NAME  
SIPR

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03B BUILDING SUPPORT

DESCRIPTION / USAGE  
SIPR TELECOMM ROOM

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
NONE

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
12'-0" TO ALLOW PASSAGE OF  
CABLE TRAY / CABLING TO ABOVE  
ADJACENT CEILINGS WITHOUT  
PENETRATING CABLING ROOM  
CEILING

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
SECURITY LOCK SET, INTRUSION DETECTION, AND ACCESS CONTROL SYSTEMS.

FIRE PROTECTION REQUIREMENTS  
PROVIDE GROUNDING AND/OR DIELECTRIC BREAKS IN METAL CONDUIT AND PIPING PENETRATION SPACE  
SECURE WALLS IN ACCORDANCE WITH ICD 705 OR OTHER APPLICABLE DIRECTIVES

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
ROUTE CONDENSATE FROM DEDICATED HVAC UNITS OUT OF COMM ROOMS. PROVIDE  
GROUNDING/DIELECTRIC BREAKS IN METALIC PIPE PENETRATIONS OF SECURE BOUNDARY WALLS.

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
PROVIDE DEDICATED UNIT. DUCTS EXCEEDING 96 SQ INCHES REQUIRE MANBARS/GRILLS/SOUND BAFFLES, DIELECTRIC BREAKS AT  
PENETRATIONS OF SECURE BOUNDARY WALLS IAW UFC 4-010-15. PROVIDE GROUUNDING/DIELECTRIC BREAKS IN METALIC PIPE  
PENETRATIONS OF SECURE BOUNDARY WALLS IAW UFC 4-010-15.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQ'D FOR PRESSURIZATION AND TEMPERATURE & HUMIDITY  
CONTROL

REQUIRED AIR BALANCE  
SLIGHTLY POSITIVE TO ADJACENT SPACES

MINIMUM HUMIDITY  
IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY  
USERS.

MAXIMUM HUMIDITY  
IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY  
USERS.

MINIMUM TEMPERATURE (HEATING)  
64°F (18°C) - SET NO HIGHER THAN 68°F (20°C) - (COMPLY W/ UFC 3-580-01 AND TIA-569-C, ALL CLASSES).

MAXIMUM TEMPERATURE (COOLING)  
81°F (27°C) - SET NO LOWER THAN 78°F (26°C) UNLESS REQUIRED BY INSTALLED EQUIPMENT - (COMPLY W/ UFC 3-580-01 AND TIA-569-C, ALL  
CLASSES).

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# ITTER

## SPACE NAME

TELECOMM ENTRY ROOM (TER)

## FUNCTIONAL AREA / SUBAREA

FA03 NET-TO-GROSS AREA / FA03B BUILDING SUPPORT

## DESCRIPTION / USAGE

TELECOMM ENTRY ROOM (TER)

## SPACE CATCODE

211 10

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

NONE

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

12'-0" - MAY BE EXPOSED

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

ROUTE CONDENSATE FROM DEDICATED HVAC UNITS OUT OF COMM ROOMS

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

PROVIDE DEDICATED UNIT

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

AS REQ'D FOR PRESSURIZATION AND TEMPERATURE & HUMIDITY  
CONTROL

## REQUIRED AIR BALANCE

SLIGHTLY POSITIVE TO ADJACENT SPACES

## MINIMUM HUMIDITY

IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY  
USERS.

## MAXIMUM HUMIDITY

IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY  
USERS.

## MINIMUM TEMPERATURE (HEATING)

64°F (18°C) - SET NO HIGHER THAN 68°F (20°C) - (COMPLY W/ UFC 3-580-01 AND TIA-569-C, ALL CLASSES).

## MAXIMUM TEMPERATURE (COOLING)

81°F (27°C) - SET NO LOWER THAN 78°F (26°C) UNLESS REQUIRED BY INSTALLED EQUIPMENT - (COMPLY W/ UFC 3-580-01 AND TIA-569-C, ALL  
CLASSES).

## OUTSIDE AIRFLOW

NONE

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/VOIP

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# ITTR1

SPACE NAME  
TELECOMM ROOM (TR)

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03B BUILDING SUPPORT

DESCRIPTION / USAGE  
TELECOMM ROOM (TR)

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
PROVIDE ADDITIONAL TR ROOMS AS NEEDED TO COMPENSATE FOR CABLE LENGTH LIMITATION.

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
NONE

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
12'-0" TO ALLOW PASSAGE OF  
CABLE TRAY / CABLING TO ABOVE  
ADJACENT CEILINGS WITHOUT  
PENETRATING CABLING ROOM  
CEILING

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
ROUTE CONDENSATE FROM DEDICATED HVAC UNITS OUT OF COMM ROOMS

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
PROVIDE DEDICATED UNIT

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQ'D FOR PRESSURIZATION AND TEMPERATURE & HUMIDITY  
CONTROL

REQUIRED AIR BALANCE  
SLIGHTLY POSITIVE TO ADJACENT SPACES

MINIMUM HUMIDITY  
IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY  
USERS.

MAXIMUM HUMIDITY  
IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY  
USERS.

MINIMUM TEMPERATURE (HEATING)  
64°F (18°C) - SET NO HIGHER THAN 68°F (20°C) - (COMPLY W/ UFC 3-580-01 AND TIA-569-C, ALL CLASSES).

MAXIMUM TEMPERATURE (COOLING)  
81°F (27°C) - SET NO LOWER THAN 78°F (26°C) UNLESS REQUIRED BY INSTALLED EQUIPMENT - (COMPLY W/ UFC 3-580-01 AND TIA-569-C, ALL  
CLASSES).

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR/VOIP

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# JANC1

SPACE NAME  
JANITOR CLOSET

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03A COMMON AREA

DESCRIPTION / USAGE  
JANITOR CLOSET

SPACE CATCODE  
21110

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
PROVIDE MOP SINK WITH UTILITY FAUCET WITH HOSE CONNECTION AND HOOK. PROVIDE FLOOR DRAIN.

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NONE

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
EXHAUST 1 CFM/SF OR 50 CFM, WHICHEVER GREATER

REQUIRED AIR BALANCE  
NEGATIVE RELATIVE TO ADJACENT SPACES

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# LATR1

SPACE NAME  
LATRINE

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03A COMMON AREA

DESCRIPTION / USAGE  
MULTIPLE FIXTURE LATRINE

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
GWB CEILING. STACK FLOOR TO FLOOR WHERE POSSIBLE.

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
CONFIRM WALL OR FLOOR MOUNTED WATER CLOSET WITH BASE/INSTALLATION.

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
LOCATE SUPPLY AIR DIFFUSERS NEAR ENTRY DOOR. LOCATE EXHAUST GRILLES OVER WATER CLOSET(S).

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
EXHAUST IAW ASHRAE 62.1. SUPPLY AS REQUIRED FOR TEMPERATURE  
CONTROL OR MAKEUP AIR, WHICHEVER IS HIGHER. SUPPLY AIR CAN  
BE REDUCED BY MAKEUP AIR FROM ADJACENT COMMUNICATING  
SPACE(S). NO RETURN AIR FROM SPACE.

REQUIRED AIR BALANCE  
NEGATIVE RELATIVE TO ADJACENT SPACES

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
SPACE TO FOLLOW ADJACENT SPACE CONTROL.

MAXIMUM TEMPERATURE (COOLING)  
SPACE TO FOLLOW ADJACENT SPACE CONTROL.

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# MECH1

## SPACE NAME

PRIMARY MECHANICAL ROOM

## FUNCTIONAL AREA / SUBAREA

FA03 NET-TO-GROSS AREA / FA03B BUILDING SUPPORT

## DESCRIPTION / USAGE

PRIMARY MECHANICAL ROOM

## SPACE CATCODE

211 10

## ARCHITECTURAL REQUIREMENTS

PROVIDE MIN. 96 INCH WIDE BY 120 INCH HIGH ROOL UP DOOR AND 72 INCH WIDE BY 84 INCH HIGH PAIR OF OUTSWING DOORS FROM EXTERIOR

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC45

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

12'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

PROVIDE IAW UFC 4-211-01. 3-5.5.2 WALL HYDRANTS AND HOSE BIBBS. PROVIDE MULTIPLE FLOOR DRAINS FOR EQUIPMENT DRAINS & CONDESATE. PROVIDE CONDENSATE NUETRALIZER KITS FOR CONDENSING, NATURAL-GAS BOILER CONDENSATE. IN COLD OR DRY CLIMATES, PROVIDE TRAP PRIMERS ON FLOOR DRAINS.

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

BUILDING PRIMARY MECHANICAL ROOM, TYPICALLY HOUSING COOLING AND HEATING PLANT EQUIPMENT AND WATERSIDE EQUIPMENT. REFRIGERANT LEAK DETECTION & VENTILATION IAW ASHRAE 15 AS APPLICABLE. IN HOT AND HUMID CLIMATES, PROVIDE CONDITIONING.

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

VENTILATION/EXHAUST FOR HEAT OF REJECTION LOADS. PROVIDE EXHAUST TO ACCOUNT FOR PUMP HEAT OF REJECTION Q (BTU/H) FOR ALL EQUIPMENT LOCATED IN SPACE,  $CFM=Q/(1.08 \times \Delta T)$ ,  $\Delta T=10^{\circ}F$ . NO RETURN AIR FROM SPACE.

## REQUIRED AIR BALANCE

NEGATIVE RELATIVE TO ADJACENT SPACES, POSITIVE TO OUTDOORS IF CONDITIONED

## MINIMUM HUMIDITY

NONE

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE.

## MINIMUM TEMPERATURE (HEATING)

40°F (4.5°C) AT THE 99.6 PERCENT DRY BULB OUTDOOR DESIGN TEMPERATURE.

## MAXIMUM TEMPERATURE (COOLING)

AMBIENT TEMPERATURE +10°F IF ONLY VENTILATED. IF CONDITIONED, 85°F.

## OUTSIDE AIRFLOW

NONE EXCEPT DIRECT MAKEUP AIR FOR EXHAUST.

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/VOIP

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.



# MECH2

SPACE NAME  
ZONE MECHANICAL ROOM

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03B BUILDING SUPPORT

DESCRIPTION / USAGE  
ZONE MECHANICAL ROOM

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
PROVIDE 72 INCH WIDE BY 84 INCH HIGH PAIR OF OUTSWING DOORS FROM EXTERIOR

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC45

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
12'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
PROVIDE IAW UFC 4-211-01 3-5.5.2 WALL HYDRANTS AND HOSE BIBBS. PROVIDE MULTIPLE FLOOR DRAINS FOR EQUIPMENT DRAINS & CONDENSATE. IN COLD OR DRY CLIMATES, PROVIDE TRAP PRIMERS ON FLOOR DRAINS

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
AIR-HANDLING EQUIPMENT ROOM W/ HYDRONIC OR DX AHUS. REFRIGERANT LEAK DETECTION & VENTILATION IAW ASHRAE 15 AS APPLICABLE. IN HOT AND HUMID CLIMATES, PROVIDE CONDITIONING.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
VENTILATION/EXHAUST FOR HEAT OF REJECTION LOADS. PROVIDE EXHAUST TO ACCOUNT FOR PUMP HEAT OF REJECTION  $Q=PUMP$   
 $HP/2546 \times (1-EFFICIENCY)=BTU/H$ ,  $CFM=Q/(1.08 \times \Delta T)$ ,  $\Delta T=10^{\circ}F$ . NO RETURN AIR FROM SPACE.

REQUIRED AIR BALANCE  
NEGATIVE RELATIVE TO ADJACENT SPACES, POSITIVE TO OUTDOORS IF CONDITIONED

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
40°F (4.5°C) AT THE 99.6 PERCENT DRY BULB OUTDOOR DESIGN TEMPERATURE.

MAXIMUM TEMPERATURE (COOLING)  
AMBIENT TEMPERATURE +10°F IF ONLY VENTILATED. IF CONDITIONED, 85°F.

OUTSIDE AIRFLOW  
NONE EXCEPT DIRECT MAKEUP AIR FOR EXHAUST.

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR/VOIP

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# MECH3

SPACE NAME  
COMPRESSOR

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03B BUILDING SUPPORT

DESCRIPTION / USAGE  
COMPRESSOR ROOM

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
PROVIDE 72 INCH WIDE BY 84 INCH HIGH PAIR OF OUTSWING DOORS FROM EXTERIOR

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC50

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
12'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
PROVIDE MULTIPLE FLOOR DRAINS FOR EQUIPMENT DRAINS & CONDENSATE. PROVIDE TRAP PRIMERS ON FLOOR DRAINS

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
AIR COMPRESSOR ROOM. VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN. COORDINATE ACCESS AND LOCKSET REQUIREMENTS WITH USERS IF USERS PROVIDE MAINTENANCE OF COMPRESSOR EQUIPMENT.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
VENTILATION/EXHAUST FOR HEAT OF REJECTION LOADS. PROVIDE EXHAUST TO ACCOUNT FOR COMPRESSOR HEAT OF REJECTION  
 $Q = \text{COMPRESSOR HP} / 2546 \times (1 - \text{EFFICIENCY}) = \text{BTU/H}$ ,  $\text{CFM} = Q / (1.08 \times \Delta T)$ ,  
 $\Delta T = 10^\circ\text{F}$ . NO RETURN AIR FROM SPACE.

REQUIRED AIR BALANCE  
NEGATIVE RELATIVE TO ADJACENT SPACES, POSITIVE TO OUTDOORS  
IF CONDITIONED

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
40°F (4.5°C) AT THE 99.6 PERCENT DRY BULB OUTDOOR DESIGN TEMPERATURE.

MAXIMUM TEMPERATURE (COOLING)  
AMBIENT TEMPERATURE +10°F IF ONLY VENTILATED. IF CONDITIONED, 85°F.

OUTSIDE AIRFLOW  
NONE EXCEPT DIRECT MAKEUP AIR FOR EXHAUST AND FOR USE BY COMPRESSOR(S).

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR/VOIP

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# MECH4

SPACE NAME  
ELEVATOR EQUIPMENT

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03B BUILDING SUPPORT

DESCRIPTION / USAGE  
ELEVATOR EQUIPMENT

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC50

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
12'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
PROVIDE DEDICATED SPRINKLER ZONE INCLUDING ISOLATION ZONE VALVE WITH FLOW AND TAMPER SWITCHES AND TEST-&-DRAIN ASSEMBLY WITH DRAIN TO EXTERIOR

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
PROVIDE FLOOR DRAIN FOR HVAC CONDENSATE OR ROUTE TO EXTERIOR WHERE AVAILABLE. IN COLD OR DRY CLIMATES, PROVIDE TRAP PRIMERS ON FLOOR DRAINS

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
ELEVATOR MACHINE ROOM OR MACHINE SPACE IAW UFC 3-490-06. SEPARATE DEDICATED SYSTEM REQUIRED IN ELEVATOR MACHINE ROOMS BY ASME A117.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
VENTILATION/EXHAUST FOR HEAT OF REJECTION LOADS. PROVIDE EXHAUST TO ACCOUNT FOR MOTOR HEAT OF REJECTION  $Q = \text{MOTOR HP} / 2546 \times (1 - \text{EFFICIENCY}) = \text{BTU/H}$ ,  $\text{CFM} = Q / (1.08 \times \Delta T)$ ,  $\Delta T = 10^\circ\text{F}$ . NO RETURN AIR FROM SPACE.

REQUIRED AIR BALANCE  
NEGATIVE RELATIVE TO ADJACENT SPACES

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
40°F (4.5°C) AT THE 99.6 PERCENT DRY BULB OUTDOOR DESIGN TEMPERATURE.

MAXIMUM TEMPERATURE (COOLING)  
AMBIENT TEMPERATURE +10°F IF ONLY VENTILATED. IF CONDITIONED, 85°F.

OUTSIDE AIRFLOW  
NONE EXCEPT DIRECT MAKEUP AIR FOR EXHAUST.

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR/VOIP

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# OFA01

SPACE NAME  
PRIVATE OFFICE

DESCRIPTION / USAGE  
PRIVATE OFFICE

ARCHITECTURAL REQUIREMENTS  
NONE

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

AUDIO / VIDEO REQUIREMENTS  
NONE

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

PLUMBING REQUIREMENTS  
NONE

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NONE

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

MINIMUM HUMIDITY  
30% RH - SEE UFC 3-410-01, 3-5.3.3

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 FOR OFFICE SPACE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR / LIS

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

FUNCTIONAL AREA / SUBAREA  
FA01 MAINTENANCE OPERATIONS / FA01B SHOP ADMIN OR FA02  
AVIATION UNIT OPERATIONS / FA02B FLIGHT OPS  
SPACE CATCODE  
211.16 OR 141.12

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

ACOUSTICAL REQUIREMENTS  
STC45

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

NFPA HAZARD CLASSIFICATION  
NONE

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

REQUIRED AIR BALANCE  
NEUTRAL

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

TEMPERATURE OVERRIDES  
NONE

# OFA02

**SPACE NAME**  
SEMI-PRIVATE OFFICE

**DESCRIPTION / USAGE**  
SEMI-PRIVATE OFFICE

**ARCHITECTURAL REQUIREMENTS**  
NONE

**FFE REQUIREMENTS**  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

**AUDIO / VIDEO REQUIREMENTS**  
NONE

**SPECIAL EQUIPMENT / CONSTRUCTION**  
NONE

**SECURITY REQUIREMENTS**  
NONE

**FIRE PROTECTION REQUIREMENTS**  
NO SPECIAL REQUIREMENTS

**PLUMBING REQUIREMENTS**  
NONE

**GASES / AIR REQUIREMENTS**  
NONE

**MECHANICAL REQUIREMENTS**  
NONE

**MECHANICAL AIRFLOW SUPPLY, EXHAUST**  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.

**MINIMUM HUMIDITY**  
30% RH - SEE UFC 3-410-01, 3-5.3.3

**MINIMUM TEMPERATURE (HEATING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

**MAXIMUM TEMPERATURE (COOLING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

**OUTSIDE AIRFLOW**  
IAW ASHRAE 62.1 FOR OFFICE SPACE

**ELECTRICAL REQUIREMENTS**  
NONE

**TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS**  
NIPR / LIS AT EACH WORKSTATION AND NETWORK PRINTER

**MISCELLANEOUS SYSTEMS REQUIREMENTS**  
NONE

**FUNCTIONAL AREA / SUBAREA**  
FA01 MAINTENANCE OPERATIONS / FA01B SHOP ADMIN OR FA02 AVIATION UNIT OPERATIONS / FA02B FLIGHT OPS  
**SPACE CATCODE**  
211.16 OR 141.12

**IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION**  
B / BUSINESS

**ACOUSTICAL REQUIREMENTS**  
STC45

**MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE**  
9'-0"

**NFPA HAZARD CLASSIFICATION**  
NONE

**SPRINKLER HAZARD CLASSIFICATION**  
LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

**REQUIRED AIR BALANCE**  
NEUTRAL

**MAXIMUM HUMIDITY**  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

**TEMPERATURE OVERRIDES**  
NONE

# OFA04

SPACE NAME  
PLATOON WORKROOM

FUNCTIONAL AREA / SUBAREA  
FA02 AVIATION UNIT OPERATIONS /FA02A MEDEVAC READY AREA

DESCRIPTION / USAGE  
MEDEVAC PLATOON WORKROOM

SPACE CATCODE  
141.12

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC45

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NONE

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

REQUIRED AIR BALANCE  
NEUTRAL EXCEPT NEGATIVE TO CORR1

MINIMUM HUMIDITY  
30% RH - SEE UFC 3-410-01, 3-5.3.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 FOR OFFICE SPACE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR / LIS AT EACH WORKSTATION AND NETWORK PRINTER

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# OFC01

## SPACE NAME

PRIVATE OFFICE, COMPANY HQ

## FUNCTIONAL AREA / SUBAREA

FA02 AVIATION UNIT OPERATIONS /FA02C COMPANY OPERATIONS  
ADMIN MODULE

## DESCRIPTION / USAGE

PRIVATE OFFICE, COMPANY HQ

## SPACE CATCODE

141.12

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC45

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

NONE

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

## REQUIRED AIR BALANCE

NEUTRAL

## MINIMUM HUMIDITY

30% RH - SEE UFC 3-410-01, 3-5.3.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR OFFICE SPACE

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# OFFLO

## SPACE NAME

PRIVATE OFFICE, FLIGHT OPERATIONS

## FUNCTIONAL AREA / SUBAREA

FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS

## DESCRIPTION / USAGE

PRIVATE OFFICE, FLIGHT OPERATIONS

## SPACE CATCODE

141.12

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC45

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

NONE

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

## REQUIRED AIR BALANCE

NEUTRAL

## MINIMUM HUMIDITY

30% RH - SEE UFC 3-410-01, 3-5.3.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR OFFICE SPACE

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR / SIPR / LIS

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.



# OFM01

SPACE NAME  
GROUP OFFICE

DESCRIPTION / USAGE  
GROUP OFFICE

ARCHITECTURAL REQUIREMENTS  
NONE

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

AUDIO / VIDEO REQUIREMENTS  
NONE

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

PLUMBING REQUIREMENTS  
NONE

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NONE

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

MINIMUM HUMIDITY  
30% RH - SEE UFC 3-410-01, 3-5.3.3

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 FOR OFFICE SPACE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR / LIS AT EACH WORKSTATION AND NETWORK PRINTER.

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

FUNCTIONAL AREA / SUBAREA  
FA01 MAINTENANCE OPERATIONS / FA01B SHOP ADMIN OR FA02  
AVIATION UNIT OPERATIONS / FA02B FLIGHT OPS

SPACE CATCODE  
211.16 OR 141.12

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

ACOUSTICAL REQUIREMENTS  
STC45

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

NFPA HAZARD CLASSIFICATION  
NONE

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

REQUIRED AIR BALANCE  
NEUTRAL EXCEPT NEGATIVE TO CORR1

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

TEMPERATURE OVERRIDES  
NONE

# OFTCH

## SPACE NAME

TECH SUPPLY OFFICE / WORKROOM

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01F TECH SUPPLY

## DESCRIPTION / USAGE

TECH SUPPLY OFFICE / WORKROOM

## SPACE CATCODE

211.13

## ARCHITECTURAL REQUIREMENTS

PROVIDE MINIMUM 8 LF STAINLESS STEEL CUSTOMER SERVICE COUNTERTOP

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC45

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01

## NFPA HAZARD CLASSIFICATION

CLASS I DIVISION II UP TO 18" AFF

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

NONE

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

## REQUIRED AIR BALANCE

NEUTRAL

## MINIMUM HUMIDITY

30% RH - SEE UFC 3-410-01, 3-5.3.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR OFFICE SPACE

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR / LIS AT EACH WORKSTATION, NETWORK PRINTER, AND AT SERVICE COUNTER.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# PPES1

SPACE NAME  
PPE INITIAL ACCUMULATION

FUNCTIONAL AREA / SUBAREA  
FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

DESCRIPTION / USAGE  
AREA FOR DOFFING AND CLEANING OF DIRTY PPE AND ACCESS TO TOILET

SPACE CATCODE  
211.16

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
F / INDUSTRIAL

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
NONE

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
PROVIDE FLOOR DRAIN

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
PROVIDE MANUFACTURED AIR SHOWER UNIT.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
50 CFM SUPPLY FOR MAKEUP TO PPES2. NO RETURN AIR.

REQUIRED AIR BALANCE  
NEGATIVE RELATIVE TO CORR3 & PPES3, POSITIVE RELATIVE TO  
PPES2

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 FOR LAUNDRY ROOMS

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# PPES2

SPACE NAME  
PPE TOILET

FUNCTIONAL AREA / SUBAREA  
FA01 MAINTENANCE OPERATIONS : FA01E ALSE REPAIR

DESCRIPTION / USAGE  
SINGLE FIXTURE TOILET WITHIN PPE ZONE

SPACE CATCODE  
21116

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
F / INDUSTRIAL

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NONE

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
70 CFM EXHAUST. NO RETURN AIR.

REQUIRED AIR BALANCE  
NEGATIVE TO ALL SURROUNDING SPACES

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
INDIRECT HEATING FROM ADJACENT SYSTEM

MAXIMUM TEMPERATURE (COOLING)  
INDIRECT COOLING FROM ADJACENT SYSTEM

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# PPES3

SPACE NAME  
PPE LOCKER

FUNCTIONAL AREA / SUBAREA  
FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

DESCRIPTION / USAGE  
CLEAN LOCKER SPACE WITH ACCESS TO SHOWER

SPACE CATCODE  
211.16

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
F / INDUSTRIAL

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
NONE

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
PROVIDE FLOOR DRAIN

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
PRESSURIZE SPACE LIKE AIRLOCK. NO RETURN AIR FROM SPACE.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP. USE REHEAT  
FOR TEMPERATURE CONTROL. NO RETURN AIR.

REQUIRED AIR BALANCE  
POSITIVE RELATIVE TO ALL SURROUNDING SPACES

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
MAXIMUM OF 55°F (12.8°C) DEW POINT. TAKE INTO ACCOUNT THE  
MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 FOR LAUNDRY ROOMS

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# PPES4

SPACE NAME  
PPE SHOWER

FUNCTIONAL AREA / SUBAREA  
FA01 MAINTENANCE OPERATIONS : FA01E ELSE REPAIR

DESCRIPTION / USAGE  
SINGLE FIXTURE SHOWER WITHIN PPE ZONE

SPACE CATCODE  
21116

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
F / INDUSTRIAL

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NONE

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
50 CFM EXHAUST. NO RETURN AIR.

REQUIRED AIR BALANCE  
NEGATIVE TO PPES3

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
INDIRECT HEATING FROM ADJACENT SYSTEM

MAXIMUM TEMPERATURE (COOLING)  
INDIRECT COOLING FROM ADJACENT SYSTEM

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHBLA

## SPACE NAME

BLADE REPAIR SHOP

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

SHOP SPACE PROVIDES FOR INSPECTION AND REPAIR OF AIRCRAFT ROTOR BLADES.

## SPACE CATCODE

211.16

## ARCHITECTURAL REQUIREMENTS

8'W X 10'H INSULATED MOTORIZED OVERHEAD DOOR AND 36" PERSONNEL DOOR TO MAINTENANCE BAY. PROVIDE 36" PERSONNEL EGRESS-ONLY DOOR TO CORRIDOR THROUGH VESTIBULE. PROVIDE NOTIFICATION LIGHT EXTERIOR TO SHOP AT ALL DOORS SWITCHABLE FROM A SINGLE LOCATION INSIDE SHOP AND SIGNAGE STATING "ROOM IN USE - DO NOT ENTER".

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC45

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01

## NFPA HAZARD CLASSIFICATION

CLASS I DIVISION II UP TO 18" AFF

## PLUMBING REQUIREMENTS

EMERGENCY EYEWASH STATION WITH FLOOR DRAIN.

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

PROVIDE (4) TOTAL COMPRESSED AIR DROPS (1) SOUTH AND (1) WEST AND (2) ON EAST WALL. PROVIDE DEDICATED ISOLATION VALVE IN SHOP.

## MECHANICAL REQUIREMENTS

100% FILTERED EXHAUST IS REQUIRED. PROVIDE DEDICATED LOW-LEVEL EXHAUST OUTLETS SERVED BY OVERHEAD EXHAUST FAN WITH INLINE HEPA FILTRATION ON INLET SIDE OF FAN. COMPLY WITH INDICATED EXHAUST RATES BELOW UNLESS DICTATED HIGHER BY OTHER APPLICABLE REQUIREMENT.

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATING SPACES. NO RETURN AIR FROM SPACE.

## REQUIRED AIR BALANCE

NEGATIVE TO ALL SURROUNDING SPACES

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEWPOINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

## TEMPERATURE OVERRIDES

PROVIDE AFTER-HOURS OVERRIDE CONTROLS TO PLACE SYSTEMS INTO "OCCUPIED" MODE FOR USER-ADJUSTABLE TIME PERIOD UP TO 4 HOURS.

## ELECTRICAL REQUIREMENTS

PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE. PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

WALL MOUNTED VOIP PHONE. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHCOM

## SPACE NAME

COMPOSITE REPAIR SHOP

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

SHOP SPACE PROVIDES FOR INSPECTION AND REPAIR OF COMPOSITE AIRCRAFT COMPONENTS.

## SPACE CATCODE

211.16

## ARCHITECTURAL REQUIREMENTS

8'W X 10'H INSULATED MOTORIZED OVERHEAD DOOR TO MAINTENANCE BAY. PROVIDE 36" PERSONNEL DOOR TO INTERNAL CORRIDOR. PROVIDE NOTIFICATION LIGHT EXTERIOR TO SHOP AT ALL DOORS SWITCHABLE FROM A SINGLE LOCATION INSIDE SHOP AND SIGNAGE STATING "ROOM IN USE - DO NOT ENTER".

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC45

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01

## NFPA HAZARD CLASSIFICATION

CLASS I DIVISION II UP TO 18" AFF

## PLUMBING REQUIREMENTS

EMERGENCY EYEWASH STATION WITH FLOOR DRAIN.

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

PROVIDE ONE COMPRESSED AIR DROP ON DIRTY AND CLEAN SIDES OF SPACE.

## MECHANICAL REQUIREMENTS

SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. PROVIDE DEDICATED EXHAUST SYSTEM. EXHAUST QUANTITY AS REQUIRED BELOW. PROVIDE CONDITIONING AIR TO CLEAN SIDE OF ROOM FOR CROSS-FLOW. BACK DRAFT EXHAUST HOOD REQUIRED FOR ADHESIVE MIXING.

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATING SPACES. NO RETURN AIR FROM SPACE.

## REQUIRED AIR BALANCE

INTERNAL GROSS FLOW REQUIREMENT – EXHAUST DIRTY SIDE WITH ALL SUPPLY AIR ENTERING ROOM ON CLEAN SIDE. NET NEGATIVE TO CORR3.

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

## TEMPERATURE OVERRIDES

PROVIDE AFTER-HOURS OVERRIDE CONTROLS TO PLACE SYSTEMS INTO "OCCUPIED" MODE FOR USER-ADJUSTABLE TIME PERIOD UP TO 4 HOURS.

## ELECTRICAL REQUIREMENTS

PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE. PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

WALL MOUNTED VOIP PHONE. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.



# SHEAV

## SPACE NAME

ELECTRICAL / AVIONICS REPAIR SHOP (EITHER COMBINED OR SEPARATE)

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

SHOP SPACE FOR REPAIR OF AIRCRAFT ELECTRICAL AND AVIONICS SYSTEMS. OCCURS IN NON-ATTACK FLIGHT ORGANIZATION HANGARS ONLY; ATTACK FLIGHT ORGANIZATIONS HAVE A SYSTEMS/ARMAMENT SHOP. MAINTENANCE ORGANIZATION HANGARS (ASB, LRC-A, ETC.) HAVE SEPARATE ELECTRICAL AND AVIONICS SHOPS.

## SPACE CATCODE

21116

## ARCHITECTURAL REQUIREMENTS

PROVIDE 72" WIDE DOUBLE DOOR ACCESS TO MAINTENANCE BAY / SERVICE CORRIDOR.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

PROVIDE MIN. 10 FOOT CLEAR HEIGHT ; 12 FOOT 6 INCHES BY 8 FOOT 6 INCHES LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC. REFER TO VALT2 FOR AIRCRAFT MOUNTED SYSTEMS VAULT REQUIREMENTS

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. 3-5.3.1.3 AVIONICS/ELECTRICAL REPAIR EXHAUST INCLUDING SNORKEL EXHAUST AT (2) WORKBENCHES

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATION SPACES.

## REQUIRED AIR BALANCE

NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE GROUNDING BAR AT EACH WORKBENCH.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHELE

## SPACE NAME

ELECTRICAL REPAIR SHOP

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

SHOP SPACE FOR REPAIR OF AIRCRAFT ELECTRICAL SYSTEMS. OCCURS IN MAINTENANCE ORGANIZATION HANGARS (ASB, ETC.) ONLY. FLIGHT ORGANIZATION HANGARS HAVE COMBINED ELECTRICAL / AVIONICS SHOP.

## SPACE CATCODE

21116

## ARCHITECTURAL REQUIREMENTS

PROVIDE 72" WIDE DOUBLE DOOR ACCESS TO MAINTENANCE BAY / SERVICE CORRIDOR.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

PROVIDE MIN. 10 FOOT CLEAR HEIGHT; 12 FOOT 6 INCHES BY 8 FOOT 6 INCHES LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC.

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

PROVIDE MINIMUM OF TWO (2) COMPRESSED AIR DROPS AT ELECTRONIC WORKBENCHES . PROVIDE DEDICATED ISOLATION VALVE IN SHOP.

## MECHANICAL REQUIREMENTS

SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. 3-5.3.1.3 AVIONICS/ELECTRICAL REPAIR EXHAUST INCLUDING SNORKEL EXHAUST AT (2) WORKBENCHES

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATIONG SPACES.

## REQUIRED AIR BALANCE

NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE GROUNDING BAR AT EACH WORKBENCH.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHGND

## SPACE NAME

GROUND COMMUNICATIONS SHOP

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

SHOP SPACE PROVIDES FOR INSPECTION AND REPAIR OF GROUND COMMUNICATIONS EQUIPMENT.

## SPACE CATCODE

211.16

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

PROVIDE MIN. 10 FOOT CLEAR HEIGHT; 12 FOOT 6 INCHES BY 8 FOOT 6 INCHES LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC.

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. 3-5.3.1.3 AVIONICS/ELECTRICAL REPAIR EXHAUST

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF

## REQUIRED AIR BALANCE

NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE GROUNDING BAR AT EACH WORKBENCH.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHNAV

## SPACE NAME

NAVIGATION/FLIGHT CONTROL REPAIR SHOP

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

SHOP SPACE FOR REPAIR OF AIRCRAFT AVIONICS, NAVIGATION, AND FLIGHT CONTROL SYSTEMS. OCCURS IN MAINTENANCE ORGANIZATION HANGARS (ASB, ETC.) ONLY. FLIGHT ORGANIZATION HANGARS HAVE COMBINED ELECTRICAL / AVIONICS SHOP.

## SPACE CATCODE

21116

## ARCHITECTURAL REQUIREMENTS

PROVIDE 72" WIDE DOUBLE DOOR ACCESS TO MAINTENANCE BAY / SERVICE CORRIDOR.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

PROVIDE MIN. 10 FOOT CLEAR HEIGHT; 12 FOOT 6 INCHES BY 8 FOOT 6 INCHES LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC.

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

PROVIDE MINIMUM OF TWO (2) COMPRESSED AIR DROPS AT WORKBENCHES AND (2) ADDITIONAL DROPS AS DIRECTED BY USER. PROVIDE DEDICATED ISOLATION VALVE IN SHOP.

## MECHANICAL REQUIREMENTS

SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. 3-5.3.1.3 AVIONICS/ELECTRICAL REPAIR EXHAUST

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF

## REQUIRED AIR BALANCE

NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE GROUNDING BAR AT EACH WORKBENCH.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHNDI

## SPACE NAME

NDI

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

DARK ROOM FOR FLUORESCENT PENETRANT PARTS INSPECTION

## SPACE CATCODE

211 16

## ARCHITECTURAL REQUIREMENTS

CONSTRUCT THE ROOM SIMILAR TO A DARK ROOM TO PREVENT LIGHT ENTERING FROM ADJACENT SPACES: NO WINDOWS. PROVIDE NOTIFICATION LIGHT EXTERIOR TO SHOP AT ALL PERSONNEL DOORS SWITCHABLE FROM A SINGLE LOCATION INSIDE SHOP AND SIGNAGE STATING "ROOM IN USE - DO NOT ENTER".

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

CLASS I DIVISION II UP TO 18" AFF

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. BACK SHELF EXHAUST HOOD REQUIRED AT TX03 IAW INDUSTRIAL VENTILATION.

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATIONG SPACES.

## REQUIRED AIR BALANCE

NEGATIVE TO ADJACENT SPACES.

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

SPECIAL POWER REQUIREMENTS FOR EQUIPMENT; 480V, 208V, ETC.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHNVG

## SPACE NAME

NIGHT VISION DEVICE SHOP / SECURE STORAGE ROOM

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

SHOP SPACE FOR INSPECTION, REPAIR AND SECURE STORAGE OF NIGHT VISION DEVICES

## SPACE CATCODE

211.16

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

CONSTRUCT STORAGE ROOM IN ACCORDANCE WITH AR 190 - 51, RISK ANALYSIS LEVEL II MINIMUM AND AR 190-13. CONFIRM IF HIGHER RISK CATEGORY REQUIRED WITH BASE SECURITY OFFICE.

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

NONE

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATIONG SPACES.

## REQUIRED AIR BALANCE

NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE GROUNDING BAR AT EACH WORKBENCH.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHPNE

SPACE NAME  
PNEUDRAULICS SHOP

FUNCTIONAL AREA / SUBAREA  
FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS

DESCRIPTION / USAGE  
SHOP SPACE FOR REPAIR, TESTING, AND FABRICATION OF PNEUDRAULIC COMPONENTS AND SYSTEMS.

SPACE CATCODE  
211.16

ARCHITECTURAL REQUIREMENTS  
PROVIDE MIN 42" ACCESS DOOR TO MAINTENANCE BAY / SERVICE CORRIDOR

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
F / INDUSTRIAL

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
10'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
PROVIDE MIN. 10 FOOT CLEAR HEIGHT; 12 FOOT 6 INCHES BY 8 FOOT 6 INCHES LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC.

FIRE PROTECTION REQUIREMENTS  
AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01

NFPA HAZARD CLASSIFICATION  
CLASS I DIVISION II UP TO 18" AFF

PLUMBING REQUIREMENTS  
PROVIDE COMBINATION EMERGENCY EYEWASH AND SHOWER STATION WITH FLOOR DRAIN. PROVIDE ONE (1) STAINLESS STEEL SERVICE SINK WITH POINT OF USE OIL INTERCEPTOR OR CONNECT TO OIL/WATER SEPARATOR.

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
PROVIDE ONE (1) COMPRESSED AIR DROP. LOCATE NEAR HOSE TESTING WORKBENCHES. PROVIDE DEDICATED ISOLATION VALVE IN SHOP.

MECHANICAL REQUIREMENTS  
SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATING SPACES.

REQUIRED AIR BALANCE  
NEGATIVE TO CORRIDOR. POSITIVE TO BAY01

MINIMUM HUMIDITY  
20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE. PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHPPW

## SPACE NAME

POWER PLANT SHOP

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

SHOP SPACE FOR INSPECTION AND REPAIR OF TURBINE ENGINES

## SPACE CATCODE

211.16

## ARCHITECTURAL REQUIREMENTS

PROVIDE CONCRETE OR CMU FOR BOTTOM 120" OF WALLS. PROVIDE 8' W X 12' H INSULATED MOTORIZED OVERHEAD DOOR TO MAINTENANCE BAY / SERVICE CORRIDOR. OVERHEAD DOOR MUST BE ACCOMPANIED BY AN ADJACENT PERSONNEL ACCESS/EGRESS DOOR.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

14'-0" MIN. OR AS REQUIRED TO ACCOMMODATE 12'-0" BRIDGE CRANE HOOK HEIGHT.

## SPECIAL EQUIPMENT / CONSTRUCTION

2-TON BRIDGE CRANE WITH 12' MINIMUM HOOK HEIGHT.

## SECURITY REQUIREMENTS

PROVIDE MIN. 10 FOOT CLEAR HEIGHT; 12 FOOT 6 INCHES BY 8 FOOT 6 INCHES LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC.

## FIRE PROTECTION REQUIREMENTS

AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01

## NFPA HAZARD CLASSIFICATION

CLASS I DIVISION II UP TO 18" AFF

## PLUMBING REQUIREMENTS

PROVIDE COMBINATION EMERGENCY EYEWASH AND SHOWER STATION WITH FLOOR DRAIN. PROVIDE ONE (1) HEAVY DUTY STAINLESS STEEL UTILITY SINK WITH POINT OF USE OIL INTERCEPTOR OR CONNECT TO OIL/WATER SEPARATOR.

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

PROVIDE TWO (2) COMPRESSED AIR DROPS ON EACH SIDE WALL NEAR WORKBENCHES. PROVIDE DEDICATED ISOLATION VALVE IN SHOP.

## MECHANICAL REQUIREMENTS

SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. SPECIALIZED EXHAUST SYSTEM(S) REQUIRED.

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATING SPACES.

## REQUIRED AIR BALANCE

NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE. PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.



# SHPW

SPACE NAME  
POWER TRAIN SHOP

FUNCTIONAL AREA / SUBAREA  
FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS

DESCRIPTION / USAGE  
SHOP SPACE FOR INSPECTION AND, REPAIR OF TRANSMISSION AND ROTOR ASSEMBLIES

SPACE CATCODE  
21116

ARCHITECTURAL REQUIREMENTS  
PROVIDE CONCRETE OR CMU FOR BOTTOM 120" OF WALLS. PROVIDE 8' W X 12' H INSULATED MOTORIZED OVERHEAD DOOR TO MAINTENANCE BAY / SERVICE CORRIDOR. OVERHEAD DOOR MUST BE ACCOMPANIED BY AN ADJACENT PERSONNEL ACCESS/EGRESS DOOR.

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
F / INDUSTRIAL

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
14'-0" MIN. OR AS REQUIRED TO  
ACCOMMODATE 12'-0" BRIDGE  
CRANE HOOK HEIGHT.

SPECIAL EQUIPMENT / CONSTRUCTION  
2-TON BRIDGE CRANE WITH 12' MINIMUM HOOK HEIGHT.

SECURITY REQUIREMENTS  
PROVIDE MIN. 10 FOOT CLEAR HEIGHT; 12 FOOT 6 INCHES BY 8 FOOT 6 INCHES LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC.

FIRE PROTECTION REQUIREMENTS  
AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01

NFPA HAZARD CLASSIFICATION  
CLASS I DIVISION II UP TO 18" AFF

PLUMBING REQUIREMENTS  
PROVIDE COMBINATION EMERGENCY EYEWASH AND SHOWER STATION WITH FLOOR DRAIN. PROVIDE ONE (1) HEAVY DUTY STAINLESS STEEL UTILITY SINK WITH POINT OF USE OIL INTERCEPTOR OR CONNECT TO OIL/WATER SEPARATOR.

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
PROVIDE TWO (2) COMPRESSED AIR DROPS ON EACH SIDE WALL NEAR WORKBENCHES. PROVIDE DEDICATED ISOLATION VALVE IN SHOP.

MECHANICAL REQUIREMENTS  
SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATING SPACES.

REQUIRED AIR BALANCE  
NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS

MINIMUM HUMIDITY  
20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE. PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHSTR

## SPACE NAME

STRUCTURAL REPAIR SHOP

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

SHOP SPACE FOR METAL FABRICATION AND COMPOSITE MATERIAL REPAIR

## SPACE CATCODE

211.16

## ARCHITECTURAL REQUIREMENTS

PROVIDE CONCRETE OR CMU FOR BOTTOM 120" OF WALLS. PROVIDE 10' HIGH CAGED SECURE STORAGE AREA. PROVIDE 8' WIDE X 12' HIGH INSULATED MOTORIZED OVERHEAD DOOR TO MAINTENANCE BAY / SERVICE CORRIDOR. OVERHEAD DOOR MUST BE ACCOMPANIED BY AN ADJACENT PERSONNEL ACCESS/EGRESS DOOR. REFER TO FLOOR PLANS FOR FFE.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

PROVIDE MIN. 10 FOOT CLEAR HEIGHT; 12 FOOT 6 INCHES BY 8 FOOT 6 INCHES LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC. REFER TO VALT2 FOR AIRCRAFT MOUNTED SYSTEMS VAULT REQUIREMENTS

## FIRE PROTECTION REQUIREMENTS

NONE

## NFPA HAZARD CLASSIFICATION

CLASS I DIVISION II UP TO 18" AFF

## PLUMBING REQUIREMENTS

EMERGENCY EYEWASH STATION WITH FLOOR DRAIN. PROVIDE ONE (1) HEAVY DUTY STAINLESS STEEL UTILITY SINK WITH POINT OF USE OIL INTERCEPTOR OR CONNECT TO OIL/WATER SEPARATOR. PROVIDE IAW UFC 4-211-01 PLUMBING 3-5.5 INCLUDING 3-5.5.1 EMERGENCY SHOWERS AND EYE WASH STATIONS.

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

PROVIDE ONE (1) COMPRESSED AIR DROP ABOVE WORKBENCHES FROM CEILING MOUNTED RETRACTABLE AIR HOSE REEL AND ADDITIONAL WALL MOUNTED OUTLETS NEAR PAINT BOOTH AND SERVICE SINK. PROVIDE DEDICATED ISOLATION VALVE IN SHOP.

## MECHANICAL REQUIREMENTS

SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. EXHAUST REQUIRED FOR PAINT BOOTH EQ29.

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATIONG SPACES. NO RETURN AIR FROM SPACE.

## REQUIRED AIR BALANCE

NEGATIVE TO CORRIDOR.

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE. PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL. PROVIDE CEILING MOUNTED RETRACTABLE POWER REEL AT EACH WORKBENCH AND WORKTABLE.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHSYS

## SPACE NAME

SYSTEMS / ARMAMENT SHOP

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

SHOP SPACE FOR REPAIR OF AIRCRAFT ELECTRICAL, AVIONICS AND WEAPONS SYSTEMS. OCCURS IN ATTACK FLIGHT ORGANIZATION HANGARS ONLY; NON-ATTACK FLIGHT ORGANIZATIONS HAVE AN ELECTRICAL/AVIONICS SHOP. MAINTENANCE ORGANIZATION HANGARS (ASB, ETC.) HAVE SEPARATE ELECTRICAL AND AVIONICS SHOPS.

## SPACE CATCODE

21116

## ARCHITECTURAL REQUIREMENTS

PROVIDE 72" WIDE DOUBLE DOOR ACCESS TO MAINTENANCE BAY / SERVICE CORRIDOR.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

PROVIDE MIN. 10 FOOT CLEAR HEIGHT; 12 FOOT 6 INCHES BY 8 FOOT 6 INCHES LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC. REFER TO VALT2 FOR AIRCRAFT MOUNTED SYSTEMS VAULT REQUIREMENTS

## FIRE PROTECTION REQUIREMENTS

AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

EMERGENCY EYEWASH STATION WITH FLOOR DRAIN.

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. 3-5.3.1.3 AVIONICS/ELECTRICAL REPAIR EXHAUST INCLUDING SNORKEL EXHAUST AT (2) WORKBENCHES

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATIONG SPACES.

## REQUIRED AIR BALANCE

NEGATIVE TO CORRIDOR. POSITIVE TO BAY01.

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE GROUNDING BAR AT EACH WORKBENCH.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHWEL

## SPACE NAME

MACHINE / WELDING SHOP

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

SHOP SPACE FOR REPAIR OF AIRCRAFT COMPONENTS REQUIRING MACHINING AND WELDING PROCESSES

## SPACE CATCODE

211.16

## ARCHITECTURAL REQUIREMENTS

PROVIDE 72" WIDE DOUBLE DOOR ACCESS TO MAINTENANCE BAY / SERVICE CORRIDOR. IF CAD/CAM PROCESSES ARE PRESENT, DIVIDE SPACE FOR ACOUSTIC AND NFPA HAZARD SEPARATION.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0" MIN. OR AS REQUIRED IF CAD/CAM MACHINERY PRESENT

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01

## NFPA HAZARD CLASSIFICATION

CLASS I DIVISION II UP TO 18" AFF

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

COORDINATE PERMANENT UTILITIES FOR SPECIALIZED EQUIPMENT SUCH AS CNC MACHINERY WITH UNIT.

## MECHANICAL REQUIREMENTS

PROVIDE WELDING EXHAUST IAW ACGIH INDUSTRIAL VENTILATION MANUAL & OSHA REQUIREMENTS. OTHER SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3.

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATING SPACES. NO RETURN AIR FROM SPACE.

## REQUIRED AIR BALANCE

NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE. PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL. PROVIDE GROUNDING BAR AT EACH WELDING STATION.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

WALL MOUNTED VOIP PHONE. PUBLIC ADDRESS SPEAKER COVERAGE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SHWR1

## SPACE NAME

SHOWER / LOCKER ROOM

## FUNCTIONAL AREA / SUBAREA

FA03 NET-TO-GROSS AREA / FA03A COMMON AREA

## DESCRIPTION / USAGE

MULTIPLE FIXTURE SHOWER ROOM WITH LOCKERS

## SPACE CATCODE

211 10

## ARCHITECTURAL REQUIREMENTS

PROVIDE HARD CEILINGS THROUGHOUT. PROVIDE TILE TO CEILING ON WET WALLS BEHIND FIXTURES AND ON ALL WALLS IN SHOWER AREA.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

PROVIDE STANDARD TOILET ACCESSORIES. REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

PROVIDE FLOOR DRAIN(S)

## SPRINKLER HAZARD CLASSIFICATION

LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

LOCATE SUPPLY AIR DIFFUSERS NEAR ENTRY DOOR. LOCATE EXHAUST GRILLES OVER SHOWER(S).

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST IAW ASHRAE 62.1. SUPPLY AS REQUIRED FOR TEMPERATURE CONTROL OR MAKEUP AIR, WHICHEVER IS HIGHER. SUPPLY AIR CAN BE REDUCED BY MAKEUP AIR FROM ADJACENT COMMUNICATING SPACE(S). NO RETURN AIR FROM SPACE.

## REQUIRED AIR BALANCE

NEGATIVE RELATIVE TO ADJACENT SPACES.

## MINIMUM HUMIDITY

NONE

## MAXIMUM HUMIDITY

NONE

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

NONE

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NONE

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SLCOM

SPACE NAME  
BREAK ROOM

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03A COMMON AREA

DESCRIPTION / USAGE  
COMMON BREAK / TRAINING ROOM

SPACE CATCODE  
21110

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
PROVIDE (2) TV MOUNTS WITH POWER, CABLE AND DATA OUTLETS

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
10'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
IF SPACE EXCEEDS 750 GROSS SF, SEPARATE FROM REMAINDER OF FACILITY WITH FIRE PARTITIONS AND PROVIDE INDEPENDENT EXITTING PER IBC FOR SEPERATED OCCUPANCIES.

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
PROVIDE TWO COMPARTMENT STAINLESS STEEL SINK. PROVIDE COLD WATER LINES WITH DUAL-CHECK BACK-FLOW PREVENTION TO ICE MAKERS, REFRIGERATORS, AND VENDING MACHINES AS REQUIRED.

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NONE

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
EXHAUST IAW ASHRAE 62.1 (KITCHENETTE). SUPPLY AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.

REQUIRED AIR BALANCE  
NEGATIVE RELATIVE TO ALL ADMIN AND CORRIDOR SPACES, POSITIVE RELATIVE TO ALL SHOP SPACES

MINIMUM HUMIDITY  
30% RH - SEE UFC 3-410-01, 3-5.3.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 FOR BREAK ROOMS.

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
PROVIDE ELECTRICAL OUTLETS FOR COUNTERTOP APPLIANCES, VENDING MACHINES, COMPUTERS, PRINTERS

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
PROVIDE NIPR FOR COMPUTER BASED TRAINING.

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SLEP1

SPACE NAME  
MEDEVAC SLEEP ROOM

FUNCTIONAL AREA / SUBAREA  
FA02 AVIATION UNIT OPERATIONS /FA02A MEDEVAC READY AREA

DESCRIPTION / USAGE  
SLEEPING ROOM FOR DUTY MEDEVAC CREWS

SPACE CATCODE  
141.12

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC50

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
PROVIDE LOCKABLE DOOR

FIRE PROTECTION REQUIREMENTS  
NONE

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NO SPECIAL REQUIREMENTS

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
SUPPLY AIR AS NEEDED FOR COOLING/HEATING. NO EXHAUST.

REQUIRED AIR BALANCE  
POSITIVE OR NEUTRAL TO ALL LIVING SPACES

MINIMUM HUMIDITY  
20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 FOR BEDROOMS.

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# SLLAC

SPACE NAME  
LACTATION ROOM

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03A COMMON AREA

DESCRIPTION / USAGE  
LACTATION SPACE PER UFC 1-200-01 PARA 1-4.2

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
PROVIDE 72" LF (MINIMUM) OF COUNTERTOP WITH SPACE FOR UNDER-COUNTER REFRIGERATOR

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC50

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
PROVIDE LOCKABLE DOOR

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
PROVIDE SINGLE COMPARTMENT STAINLESS STEEL SINK

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NO SPECIAL REQUIREMENTS

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
EXHAUST 0.5 CFM/SF. SUPPLY AIR AS REQUIRED FOR COOLING,  
HEATING, OR AIR BALANCE

REQUIRED AIR BALANCE  
NEGATIVE TO CORRIDOR

MINIMUM HUMIDITY  
30% RH - SEE UFC 3-410-01, 3-5.3.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 FOR OFFICE SPACE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
PROVIDE ELECTRICAL OUTLETS FOR COUNTERTOP APPLIANCES AND UC REFRIGERATOR

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.



# SLMED

## SPACE NAME

MEDEVAC BREAK/KITCHENETTE

## FUNCTIONAL AREA / SUBAREA

FA02 AVIATION UNIT OPERATIONS /FA02A MEDEVAC READY AREA

## DESCRIPTION / USAGE

BREAK ROOM IN MEDEVAC AREA

## SPACE CATCODE

141.12

## ARCHITECTURAL REQUIREMENTS

PROVIDE 72" LF (MINIMUM) OF COUNTERTOP WITH SPACE FOR MIN. 14CF REFRIGERATOR

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC45

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

PROVIDE TWO COMPARTMENT STAINLESS STEEL SINK

## SPRINKLER HAZARD CLASSIFICATION

LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

LOCATE EXHAUST INLET NEAR MICROWAVE OVEN OR SINK IF NO MICROWAVE.

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST IAW ASHRAE 62.1 (KITCHENETTE). SUPPLY AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.

## REQUIRED AIR BALANCE

NEGATIVE TO CORR1, POSITIVE TO OUTDOORS AND BAY01

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 (BREAK ROOM)

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE ELECTRICAL OUTLETS FOR COUNTERTOP APPLIANCES

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NONE

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# STAIR

SPACE NAME  
STAIRS

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03C CIRCULATION

DESCRIPTION / USAGE  
COMMON STAIR

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0" @ TOP LANDING

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
PROVIDE HEATING ONLY WITH A UNIT HEATER FOR THE STAIRS WHEN THE CLIMATE MAKES IT NECESSARY. IF STAIRWELL HAS GLAZING,  
COOLING MAY BE PROVIDED. NO STAIR MECHANICAL AIR SYSTEM MAY COMMUNICATE W/ ANY OTHER SPACES.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
INTERNAL TO STAIRWELL AS REQUIRED TO HEAT (AND COOL IF THERE  
IS GLAZING) SPACE.

REQUIRED AIR BALANCE  
NON-COMMUNICATING WITH ANY OTHER BUILDING HVAC

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# TECH1

**SPACE NAME**  
TECH SUPPLY WAREHOUSE

**FUNCTIONAL AREA / SUBAREA**  
FA01 MAINTENANCE OPERATIONS /FA01F TECH SUPPLY

**DESCRIPTION / USAGE**  
SPACE FOR RECEIVING, STORING, AND ISSUING OF CLASS IX (AIR), PLL, BENCH STOCK, AND SHOP STOCK.

**SPACE CATCODE**  
211 13

**ARCHITECTURAL REQUIREMENTS**

PROVIDE CONCRETE OR CMU FOR BOTTOM 120" OF WALLS. PROVIDE 10'W X 10'H INSULATED MOTORIZED OVERHEAD DOOR(S) TO EXTERIOR AND AT MAINTENANCE BAY WALL WHEN DIRECT ACCESS TO THE AIRCRAFT MAINTENANCE BAY IS POSSIBLE. PROVIDE 36" WIDE ACCESS DOOR TO PARTS OFFICE AND TO EXTERIOR ADJACENT TO ONE OVERHEAD DOOR.

**IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION**

B / BUSINESS

**FFE REQUIREMENTS**

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE. SHELVING SHALL BE NO TALLER THAN 8'-0".

**ACOUSTICAL REQUIREMENTS**

STC40

**AUDIO / VIDEO REQUIREMENTS**

NONE

**MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE**

12'-0" MAXIMUM

**SPECIAL EQUIPMENT / CONSTRUCTION**

NONE

**SECURITY REQUIREMENTS**

NONE

**FIRE PROTECTION REQUIREMENTS**

NO SPECIAL REQUIREMENTS EXCEPT IF STORAGE HEIGHT EXCEEDS 12 FEET.

**NFPA HAZARD CLASSIFICATION**

CLASS I DIVISION II UP TO 18" AFF

**PLUMBING REQUIREMENTS**

EXTERIOR HOSE BIBB NEAR ACCESS DOOR. EMERGENCY SHOWER/EYEWASH W/FLOOR DRAIN TO ACID WASTE CAPTURE SYSTEM FOR FORK LIFT BATTERY CHARGING, IF APPLICABLE.

**SPRINKLER HAZARD CLASSIFICATION**

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4, EXCEPT SYSTEM MUST COMPLY WITH UFC 3-600-01 CHAPTER 4, PARAGRAPH 4-48 IF STORAGE HEIGHTS ARE ABOVE 12'-0".

**GASES / AIR REQUIREMENTS**

PROVIDE (1) COMPRESSED AIR DROP. COORDINATE LOCATION WITH UNIT. PROVIDE DEDICATED ISOLATION VALVE WITHIN THE SPACE

**MECHANICAL REQUIREMENTS**

INDEPENDANTLY CONDITIONED AND HUMIDITY CONTROLLED

**MECHANICAL AIRFLOW SUPPLY, EXHAUST**

AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE. PROVIDE LOCAL EXHAUST FOR FORKLIFT CHARGING WHERE APPLICABLE.

**REQUIRED AIR BALANCE**

POSITIVE TO BAY01, NEUTRAL OR NEGATIVE TO OFTCH1

**MINIMUM HUMIDITY**

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

**MAXIMUM HUMIDITY**

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

**MINIMUM TEMPERATURE (HEATING)**

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

**MAXIMUM TEMPERATURE (COOLING)**

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

**OUTSIDE AIRFLOW**

IAW ASHRAE 62.1 (WAREHOUSE)

**TEMPERATURE OVERRIDES**

NONE

**ELECTRICAL REQUIREMENTS**

PROVIDE ONE (1) 240/3/30A RECEPTACLE FOR FORKLIFT CHARGING

**TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS**

NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PROVIDE ONE (1) VOICE DROP NEAR EXTERIOR ENTRANCE.

**MISCELLANEOUS SYSTEMS REQUIREMENTS**

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# TLTS1

SPACE NAME  
MEDEVAC TOILET / SHOWER

FUNCTIONAL AREA / SUBAREA  
FA02 AVIATION UNIT OPERATIONS /FA02A MEDEVAC READY AREA

DESCRIPTION / USAGE  
MEDEVAC TOILET / SHOWER

SPACE CATCODE  
14112

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NO SPECIAL REQUIREMENTS

FIRE PROTECTION REQUIREMENTS  
NONE

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
PROVIDE FLOOR DRAIN AND PREFABRICATED SHOWER COMPARTMENT

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
LOCATE SUPPLY AIR DIFFUSERS NEAR ENTRY DOOR. LOCATE EXHAUST GRILLES OVER WATER CLOSET(S).

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
EXHAUST IAW ASHRAE 62.1. SUPPLY AS REQUIRED FOR TEMPERATURE CONTROL OR MAKEUP AIR, WHICHEVER IS HIGHER. SUPPLY AIR CAN BE REDUCED BY MAKEUP AIR FROM ADJACENT COMMUNICATING SPACE(S). NO RETURN AIR FROM SPACE.

REQUIRED AIR BALANCE  
NEGATIVE RELATIVE TO ADJACENT SPACES.

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
SPACE TO FOLLOW ADJACENT SPACE CONTROL.

MAXIMUM TEMPERATURE (COOLING)  
SPACE TO FOLLOW ADJACENT SPACE CONTROL.

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# TLTS2

SPACE NAME  
PRIVATE TOILET / SHOWER

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03A COMMON AREA

DESCRIPTION / USAGE  
PRIVATE TOILET / SHOWER

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
PROVIDE "EUROPEAN" SHOWER CONFIGURATION VIA SHOWER CURTAIN

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
CLASS I DIVISION II UP TO 18" AFF

PLUMBING REQUIREMENTS  
PROVIDE FLOOR DRAIN

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
LOCATE SUPPLY AIR DIFFUSERS NEAR ENTRY DOOR. LOCATE EXHAUST GRILLES OVER WATER CLOSET(S).

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
EXHAUST IAW ASHRAE 62.1. SUPPLY AS REQUIRED FOR TEMPERATURE  
CONTROL OR MAKEUP AIR, WHICHEVER IS HIGHER. SUPPLY AIR CAN  
BE REDUCED BY MAKEUP AIR FROM ADJACENT COMMUNICATING  
SPACE(S). NO RETURN AIR FROM SPACE.

REQUIRED AIR BALANCE  
NEGATIVE RELATIVE TO ADJACENT SPACES.

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# TLTU1

## SPACE NAME

UNISEX SINGLE FIXTURE TOILET ROOM

## FUNCTIONAL AREA / SUBAREA

FA03 NET-TO-GROSS AREA / FA03A COMMON AREA

## DESCRIPTION / USAGE

UNISEX SINGLE FIXTURE TOILET ROOM

## SPACE CATCODE

21110

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

CONFIRM WALL OR FLOOR MOUNTED WATER CLOSET WITH INSTALLATION. PROVIDE CONCEALED CARRIERS FOR WALL MOUNTED FIXTURES.

## SPRINKLER HAZARD CLASSIFICATION

LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

LOCATE SUPPLY AIR DIFFUSERS NEAR ENTRY DOOR. LOCATE EXHAUST GRILLES OVER WATER CLOSET(S).

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST IAW ASHRAE 62.1. SUPPLY AS REQUIRED FOR TEMPERATURE CONTROL OR MAKEUP AIR, WHICHEVER IS HIGHER. SUPPLY AIR CAN BE REDUCED BY MAKEUP AIR FROM ADJACENT COMMUNICATING SPACE(S). NO RETURN AIR FROM SPACE.

## REQUIRED AIR BALANCE

NEGATIVE RELATIVE TO ADJACENT SPACES.

## MINIMUM HUMIDITY

NONE

## MAXIMUM HUMIDITY

NONE

## MINIMUM TEMPERATURE (HEATING)

SPACE TO FOLLOW ADJACENT SPACE CONTROL.

## MAXIMUM TEMPERATURE (COOLING)

SPACE TO FOLLOW ADJACENT SPACE CONTROL.

## OUTSIDE AIRFLOW

NONE

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NONE

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# TOOL1

SPACE NAME  
SPECIAL TOOLS

FUNCTIONAL AREA / SUBAREA  
FA01 MAINTENANCE OPERATIONS / FA01C MAINTENANCE SUPPORT

DESCRIPTION / USAGE  
SECURE STORAGE AND CONTROL OF SPECIAL TOOLS ASSOCIATED WITH THE MAINTENANCE OF AIRCRAFT AND COMPONENTS.

SPACE CATCODE  
211.16

ARCHITECTURAL REQUIREMENTS  
PROVIDE 8' STAINLESS STEEL SERVICE COUNTER WITH INTEGRATED BASE CABINETS. PROVIDE PERSONNEL ACCESS DOOR TO MAINTENANCE BAY. PROVIDE 8' W X 8' PAIR OF DOORS TO MAINTENANCE BAY.

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
S / STORAGE

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
10'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01

NFPA HAZARD CLASSIFICATION  
CLASS I DIVISION II UP TO 18" AFF

PLUMBING REQUIREMENTS  
EMERGENCY EYEWASH STATION WITH FLOOR DRAIN. PROVIDE ONE (1) HEAVY DUTY STAINLESS STEEL UTILITY SINK WITH POINT OF USE OIL INTERCEPTOR OR CONNECT TO OIL/WATER SEPARATOR.

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
PROVIDE ONE (1) COMPRESSED AIR DROP NEAR WORKBENCH

MECHANICAL REQUIREMENTS  
NONE

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
EXHAUST 0.5 CFM/SF. SUPPLY AIR AS REQUIRED FOR HEATING, COOLING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST STRINGENT.

REQUIRED AIR BALANCE  
NEGATIVE TO CORRIDOR

MINIMUM HUMIDITY  
20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 (WAREHOUSE)

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
PROVIDE RECEPTACLE AT SERVICE COUNTER

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR / LIS @ SERVICE COUNTER AND WORKSTATION

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# UCCOM

## SPACE NAME

UNIT COMMUNICATIONS STORAGE

## FUNCTIONAL AREA / SUBAREA

FA02 AVIATION UNIT OPERATIONS /FA02D COMPANY OPERATIONS  
READINESS MODULE

## DESCRIPTION / USAGE

COMPANY-LEVEL GROUND COMMUNICATIONS EQUIPMENT STORAGE

## SPACE CATCODE

141.12

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

NONE

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

WALLS TO BE WIRE MESH PARTITIONS WITH 36" LOCKABLE DOOR

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

NO SPECIAL REQUIREMENTS

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

## REQUIRED AIR BALANCE

NEUTRAL TO ADJACENT SPACES

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 (WAREHOUSE)

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NONE

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.



# UCFAC

SPACE NAME  
FACILITY STORAGE

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03A COMMON AREA

DESCRIPTION / USAGE  
STORAGE FOR FACILITY SUPPLIES AND EQUIPMENT

SPACE CATCODE  
21110

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NO SPECIAL REQUIREMENTS

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

REQUIRED AIR BALANCE  
NEUTRAL TO ADJACENT SPACES

MINIMUM HUMIDITY  
20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 (WAREHOUSE)

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# UCGEN

## SPACE NAME

PILOT BRIEFING ROOM STORAGE

## FUNCTIONAL AREA / SUBAREA

FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS

## DESCRIPTION / USAGE

CHAIR / TABLE STORAGE

## SPACE CATCODE

141.12

## ARCHITECTURAL REQUIREMENTS

PROVIDE WALL PROTECTION WAINSCOT 48" HIGH ON ALL WALLS, DOOR INTERIORS AND FRAMES

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

NONE

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

NO SPECIAL REQUIREMENTS

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

NONE

## REQUIRED AIR BALANCE

NEUTRAL TO ADJACENT SPACES

## MINIMUM HUMIDITY

FOLLOW CONF2

## MAXIMUM HUMIDITY

FOLLOW CONF2

## MINIMUM TEMPERATURE (HEATING)

FOLLOW CONF2

## MAXIMUM TEMPERATURE (COOLING)

FOLLOW CONF2

## OUTSIDE AIRFLOW

FOLLOW CONF2

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NONE

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# UCMED

## SPACE NAME

MEDEVAC MED EQUIP / SUPPLY

## FUNCTIONAL AREA / SUBAREA

FA02 AVIATION UNIT OPERATIONS /FA02A MEDEVAC READY AREA

## DESCRIPTION / USAGE

STORAGE AREA FOR MEDEVAC MEDICAL SUPPLIES AND EQUIPMENT

## SPACE CATCODE

141.12

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

LOCKABLE DOOR. PROVIDE LOCKABLE VENTED CABINETS

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

NO SPECIAL REQUIREMENTS

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

## REQUIRED AIR BALANCE

NEUTRAL EXCEPT NEGATIVE TO CORRI

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 (WAREHOUSE)

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE POWER OUTLETS FOR CHARGING OF STANDBY MEDICAL EQUIPMENT FOR EACH ASSIGNED AIRCRAFT. PROVIDE POWER OUTLETS  
FOR MEDICINE REFRIGERATION.

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NONE

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# UCNBC

## SPACE NAME

UNIT CBRN STORAGE

## FUNCTIONAL AREA / SUBAREA

FA02 AVIATION UNIT OPERATIONS /FA02D COMPANY OPERATIONS  
READINESS MODULE

## DESCRIPTION / USAGE

COMPANY-LEVEL NBC SUPPLIES AND EQUIPMENT STORAGE

## SPACE CATCODE

141.12

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

NONE

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

WALLS TO BE WIRE MESH PARTITIONS WITH 36" LOCKABLE DOOR

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

NO SPECIAL REQUIREMENTS

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

## REQUIRED AIR BALANCE

NEUTRAL EXCEPT NEGATIVE TO CORR1

## MINIMUM HUMIDITY

20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 (WAREHOUSE)

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NONE

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# UCNSS

## SPACE NAME

UNIT NON-SENSITIVE SECURE STORAGE

## FUNCTIONAL AREA / SUBAREA

FA02 AVIATION UNIT OPERATIONS /FA02D COMPANY OPERATIONS  
READINESS MODULE

## DESCRIPTION / USAGE

STORAGE FOR FACILITY SUPPLIES AND EQUIPMENT

## SPACE CATCODE

141.12

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

NONE

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

CONSTRUCT ROOM TO COMPLY WITH AR-190-51 AND 190-13

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

NONE

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

NONE

## REQUIRED AIR BALANCE

NEUTRAL TO ADJACENT SPACES

## MINIMUM HUMIDITY

NONE

## MAXIMUM HUMIDITY

MAXIMUM OF 55°F (12.8°C) DEW POINT. TAKE INTO ACCOUNT THE  
MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

FOLLOW UCUNI

## MAXIMUM TEMPERATURE (COOLING)

FOLLOW UCUNI

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 (WAREHOUSE)

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NONE

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# UCREC

SPACE NAME  
RECYCLABLES

FUNCTIONAL AREA / SUBAREA  
FA03 NET-TO-GROSS AREA / FA03A COMMON AREA

DESCRIPTION / USAGE  
ROOM / SPACE FOR RECYCLING CONTAINERS

SPACE CATCODE  
211 10

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
EXHAUST ONLY

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
EXHAUST 10 CFM/SF

REQUIRED AIR BALANCE  
NEGATIVE TO CORR1

MINIMUM HUMIDITY  
NONE

MAXIMUM HUMIDITY  
NONE

MINIMUM TEMPERATURE (HEATING)  
NONE

MAXIMUM TEMPERATURE (COOLING)  
NONE

OUTSIDE AIRFLOW  
NONE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NONE

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# UCSEC

## SPACE NAME

FLIGHT OPERATIONS / TECH SUPPLY SECURE STORAGE

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01F TECH SUPPLY  
FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS

## DESCRIPTION / USAGE

SECURE STORAGE FOR NON-SENSITIVE HIGH VALUE ITEMS INCLUDING NVGS, FLIGHT RADIOS, GROUND COMMUNICATIONS COMPONENTS

## SPACE CATCODE

141.12

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

INTRUSION DETECTION AND ACCESS CONTROL SYSTEMS. CONSTRUCT TO AR 190-51, PARA 3-12 AND APPENDIX B, MINIMUM RISK LEVEL II REQUIREMENTS. CONFIRM IF HIGHER RISK CATEGORY REQUIRED WITH BASE SECURITY OFFICE. DUCTS EXCEEDING 96 SQ INCHES REQUIRE MANBARS/GRILLS FOR METALLIC PENETRATIONS IAW UFC 4-010-015

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

ANY DUCTS EXCEEDING 96 SQ INCHES THAT PENETRATE THE SPACE BOUNDARY REQUIRE MANBARS/GRILLS FOR PENETRATIONS IAW UFC 4-010-015

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

NONE

## REQUIRED AIR BALANCE

NEUTRAL TO ADJACENT SPACES

## MINIMUM HUMIDITY

FOLLOW WRFLT

## MAXIMUM HUMIDITY

FOLLOW WRFLT

## MINIMUM TEMPERATURE (HEATING)

FOLLOW WRFLT

## MAXIMUM TEMPERATURE (COOLING)

FOLLOW WRFLT

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 (OFFICE)

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NONE

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# UCUNI

SPACE NAME  
UNIT STORAGE

FUNCTIONAL AREA / SUBAREA  
FA02 AVIATION UNIT OPERATIONS /FA02D COMPANY OPERATIONS  
READINESS MODULE

DESCRIPTION / USAGE  
COMPANY-LEVEL SUPPLIES AND EQUIPMENT STORAGE

SPACE CATCODE  
141.12

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
10'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
CONSTRUCT ROOM TO COMPLY WITH AR-190-51 AND 190-13

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NO SPECIAL REQUIREMENTS

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

REQUIRED AIR BALANCE  
NEUTRAL EXCEPT NEGATIVE TO CORRI

MINIMUM HUMIDITY  
20%/30% RH - IAW UFC 4-211-01, 3-5.2.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 (WAREHOUSE)

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.



# VALT1

SPACE NAME  
UNIT ARMS ROOM

FUNCTIONAL AREA / SUBAREA  
FA02 AVIATION UNIT OPERATIONS /FA02D COMPANY OPERATIONS  
READINESS MODULE

DESCRIPTION / USAGE  
INDIVIDUAL AND CREW SERVED ARMS VAULT

SPACE CATCODE  
141.12

ARCHITECTURAL REQUIREMENTS  
NONE

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC40

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
10'-8"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
SECURITY LOCK SET, INTRUSION DETECTION, AND ACCESS CONTROL SYSTEMS. CONSTRUCT IN ACCORDANCE WITH UFC 4-215-01 & AR 190-11, APPENDIX G. PROVIDE GSA APPROVED CLASS 5 ARMORY DOOR PER GSA FEDERAL SPECIFICATION AA-D-600D(4) WITH A DUTCH-STYLE DAY GATE WITH ISSUE PORT. CONFIRM WITH UNIT WHETHER AN ISSUE COUNTER IN OPEN AREA IS REQUIRED. PROVIDE IDS.

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
ORDINARY IAW NFPA 13 AS  
MODIFIED BY UFC 3-600-01, 9-7,  
TABLES 9-3 & 9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
PROVIDE SPARK RESISTANT FANS WITH EXPLOSION PROOF MOTORS. DUCTS LARGER THAN 96 SQ. INCHES REQUIRE MANBARS/GRILLS.

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
EXHAUST IAW UFC 4-211-01. SUPPLY AS REQUIRED FOR AIR BALANCE  
OR TEMPERATURE & HUMIDITY CONTROL

REQUIRED AIR BALANCE  
NEGATIVE TO CORRIDOR

MINIMUM HUMIDITY  
IAW UFC 4-215-01, TABLE 4-12

MAXIMUM HUMIDITY  
IAW UFC 4-215-01, TABLE 4-12

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-215-01, TABLE 4-12

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-215-01, TABLE 4-12

OUTSIDE AIRFLOW  
IAW ASHRAE 62.1 (WAREHOUSE) OR AS REQUIRED TO MAKEUP EXHAUST

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
NONE

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
NIPR

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# VALT2

## SPACE NAME

AIRCRAFT MOUNTED SYSTEMS VAULT

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS

## DESCRIPTION / USAGE

VAULT FOR STORAGE OF AIRCRAFT MOUNTED SYSTEMS (WEAPONS & COMPONENTS, COMSEC EQUIPMENT REMOVED FROM AIRCRAFT, ETC.) WHILE IN SHOP FOR REPAIR

## SPACE CATCODE

211.16

## ARCHITECTURAL REQUIREMENTS

NONE

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

F / INDUSTRIAL

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-8"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

SECURITY LOCK SET, INTRUSION DETECTION, AND ACCESS CONTROL SYSTEMS. CONSTRUCT IN ACCORDANCE WITH UFC 4-215-01 & AR 190-11, APPENDIX G. PROVIDE GSA APPROVED CLASS 5 ARMORY DOOR PER GSA FEDERAL SPECIFICATION AA-D-600D(4) WITH A DUTCH-STYLE DAY GATE WITH ISSUE PORT. CONFIRM WITH UNIT WHETHER AN ISSUE COUNTER IN OPEN AREA IS REQUIRED. PROVIDE IDS.

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

PROVIDE SPARK RESISTANT FANS WITH EXPLOSION PROOF MOTORS. DUCTS LARGER THAN 96 SQ. INCHES REQUIRE MANBARS/GRILLS.

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

EXHAUST IAW UFC 4-211-01. SUPPLY AS REQUIRED FOR AIR BALANCE OR TEMPERATURE & HUMIDITY CONTROL

## REQUIRED AIR BALANCE

NEGATIVE TO CORRIDOR

## MINIMUM HUMIDITY

IAW UFC 4-215-01, TABLE 4-12

## MAXIMUM HUMIDITY

IAW UFC 4-215-01, TABLE 4-12

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-215-01, TABLE 4-12

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-215-01, TABLE 4-12

## OUTSIDE AIRFLOW

IAW ASHRAE 62.1 (WAREHOUSE) OR AS REQUIRED TO MAKEUP EXHAUST

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# WRCRW

## SPACE NAME

CREW CHIEF / MAINTENANCE SECTION, PLATOON WORKROOM

## FUNCTIONAL AREA / SUBAREA

FA01 MAINTENANCE OPERATIONS / FA01C MAINTENANCE SUPPORT

## DESCRIPTION / USAGE

WORKROOM AREA FOR CREW CHIEFS OR MAINTENANCE SECTION/PLATOON PERSONNEL

## SPACE CATCODE

211 16

## ARCHITECTURAL REQUIREMENTS

PROVIDE 42" WIDE PERSONNEL ACCESS DOOR TO INTERIOR CORRIDOR AND 36" WIDE PERSONNEL ACCESS DOOR TO MAINTENANCE BAY. PROVIDE MINIMUM OF 3 LF OF 24" DEEP CONTINUOUS BUILT-IN COUNTERTOP WORK SURFACE FOR EACH ASSIGNED AIRCRAFT.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

NONE

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

10'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01

## NFPA HAZARD CLASSIFICATION

CLASS I DIVISION II UP TO 18" AFF

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

NO SPECIAL REQUIREMENTS

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.

## REQUIRED AIR BALANCE

NEGATIVE TO CORR1, POSITIVE TO BAY01, AND NEUTRAL TO OTHER ADMIN SPACES

## MINIMUM HUMIDITY

30% RH - SEE UFC 3-410-01, 3-5.3.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

COMPLY WITH ASHRAE 62.1 FOR OFFICE SPACE

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

PROVIDE DUPLEX OUTLET EVERY 3 LF OF COUNTERTOP LENGTH ABOVE WORK SURFACE. PROVIDE CEILING MOUNTED RETRACTABLE POWER REEL AT EACH WORKBENCH AND WORKTABLE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR/LIS AT EACH WORKBENCH/WORKSTATION AND FOR EVERY 3 FEET OF COUNTERTOP LENGTH ABOVE WORK SURFACE.

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# WRFLT

**SPACE NAME**  
FLIGHT OPERATIONS

**FUNCTIONAL AREA / SUBAREA**  
FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS

**DESCRIPTION / USAGE**  
BATTALION LEVEL FLIGHT OPERATIONS WORKROOM

**SPACE CATCODE**  
141.12

**ARCHITECTURAL REQUIREMENTS**  
PROVIDE MINIMUM 8' LONG SERVICE COUNTER WITH INTEGRATED BASE CABINET. REFER TO FLOOR PLANS FOR FFE.

**IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION**  
B / BUSINESS

**FFE REQUIREMENTS**  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

**ACOUSTICAL REQUIREMENTS**  
STC40

**AUDIO / VIDEO REQUIREMENTS**  
PROVIDE CCTV FLIGHT LINE MONITORING CAPABILITY. PROVIDE TWO (2) TV MOUNTS WITH POWER AND DATA OUTLETS.

**MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE**  
10'-0"

**SPECIAL EQUIPMENT / CONSTRUCTION**  
NONE

**SECURITY REQUIREMENTS**  
NONE

**FIRE PROTECTION REQUIREMENTS**  
NO SPECIAL REQUIREMENTS

**NFPA HAZARD CLASSIFICATION**  
NONE

**PLUMBING REQUIREMENTS**  
NONE

**SPRINKLER HAZARD CLASSIFICATION**  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

**GASES / AIR REQUIREMENTS**  
NONE

**MECHANICAL REQUIREMENTS**  
NO SPECIAL REQUIREMENTS

**MECHANICAL AIRFLOW SUPPLY, EXHAUST**  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

**REQUIRED AIR BALANCE**  
NEGATIVE TO CORR1 AND NEUTRAL TO OTHER ADMIN SPACES

**MINIMUM HUMIDITY**  
30% RH - SEE UFC 3-410-01, 3-5.3.3

**MAXIMUM HUMIDITY**  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

**MINIMUM TEMPERATURE (HEATING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

**MAXIMUM TEMPERATURE (COOLING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

**OUTSIDE AIRFLOW**  
COMPLY WITH ASHRAE 62.1 FOR OFFICE SPACE

**TEMPERATURE OVERRIDES**  
NONE

**ELECTRICAL REQUIREMENTS**  
COORDINATE LOCATION AND POWER OUTLET REQUIREMENTS FOR COMMUNICATION RADIOS, TV MONITORS, WEATHER MONITORS,  
PORTABLE RADIO CHARGING STATION. PROVIDE OUTLET FOR WALL MOUNTED DIGITAL CLOCK.

**TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS**  
NIPR / LIS PER WORKSTATION. PROVIDE TWO (2) 4" CONDUIT PATHWAYS TO ROOFTOP ANTENNA PLATFORM. PROVIDE WEATHERHEAD ON  
ROOF. PROVIDE LABEL STATING "PATHWAY TO ANTENNAE MOUNTS".

**MISCELLANEOUS SYSTEMS REQUIREMENTS**  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# WRFPL

SPACE NAME  
FLIGHT PLANNING

FUNCTIONAL AREA / SUBAREA  
FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS

DESCRIPTION / USAGE  
BATTALION LEVEL FLIGHT PLANNING AREA

SPACE CATCODE  
141.12

ARCHITECTURAL REQUIREMENTS  
PROVIDE MINIMUM SEATING FOR 7. REFER TO FLOOR PLANS FOR FFE.

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC45

AUDIO / VIDEO REQUIREMENTS  
PROVIDE TWO (2) TV MOUNTS WITH POWER AND DATA OUTLETS; CONFIRM LOCATION WITH UNIT.

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NO SPECIAL REQUIREMENTS

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

REQUIRED AIR BALANCE  
NEGATIVE TO CORR1 AND NEUTRAL TO OTHER ADMIN SPACES

MINIMUM HUMIDITY  
30% RH - SEE UFC 3-410-01, 3-5.3.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
COMPLY WITH ASHRAE 62.1 FOR OFFICE SPACE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
PROVIDE DUPLEX OUTLET EVERY 3 LF OF COUNTERTOP LENGTH ABOVE WORK SURFACE. PROVIDE OUTLET FOR WALL MOUNTED DIGITAL  
CLOCK.

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
PROVIDE NIPR / LIS DROPS EVERY 3 FEET OF COUNTERTOP LENGTH ABOVE WORK SURFACE AND ON WALLS NEAR PLANNING TABLE(S).

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# WORD

## SPACE NAME

TRAINING OFFICE / ORDERLY

## FUNCTIONAL AREA / SUBAREA

FA02 AVIATION UNIT OPERATIONS /FA02C COMPANY OPERATIONS  
ADMIN MODULE

## DESCRIPTION / USAGE

COMPANY LEVEL TRAINING / ORDERLY SPACE

## SPACE CATCODE

141.12

## ARCHITECTURAL REQUIREMENTS

PROVIDE MAIL CENTER WITH 20 MAIL SLOTS.

## IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION

B / BUSINESS

## FFE REQUIREMENTS

REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

## ACOUSTICAL REQUIREMENTS

STC40

## AUDIO / VIDEO REQUIREMENTS

## MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE

9'-0"

## SPECIAL EQUIPMENT / CONSTRUCTION

NONE

## SECURITY REQUIREMENTS

NONE

## FIRE PROTECTION REQUIREMENTS

NO SPECIAL REQUIREMENTS

## NFPA HAZARD CLASSIFICATION

NONE

## PLUMBING REQUIREMENTS

NONE

## SPRINKLER HAZARD CLASSIFICATION

LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

## GASES / AIR REQUIREMENTS

NONE

## MECHANICAL REQUIREMENTS

NO SPECIAL REQUIREMENTS

## MECHANICAL AIRFLOW SUPPLY, EXHAUST

AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

## REQUIRED AIR BALANCE

NEGATIVE TO CORR1 AND NEUTRAL TO OTHER ADMIN SPACES

## MINIMUM HUMIDITY

30% RH - SEE UFC 3-410-01, 3-5.3.3

## MAXIMUM HUMIDITY

55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

## MINIMUM TEMPERATURE (HEATING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

## MAXIMUM TEMPERATURE (COOLING)

IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

## OUTSIDE AIRFLOW

COMPLY WITH ASHRAE 62.1 FOR OFFICE SPACE

## TEMPERATURE OVERRIDES

NONE

## ELECTRICAL REQUIREMENTS

NONE

## TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS

NIPR PER DESK

## MISCELLANEOUS SYSTEMS REQUIREMENTS

NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# WRPC1

**SPACE NAME**  
PRODUCTION CONTROL

**FUNCTIONAL AREA / SUBAREA**  
FA01 MAINTENANCE OPERATIONS /FA01B SHOP ADMIN

**DESCRIPTION / USAGE**  
OPEN OFFICE FOR MAINTENANCE ACTIVITY ASSIGNMENTS AND SCHEDULING. RECEIVE, MONITOR, AND TRACK MAINTENANCE WORK ORDERS USING AUTOMATED AND MANUAL SYSTEMS.

**SPACE CATCODE**  
211.16

**ARCHITECTURAL REQUIREMENTS**  
PROVIDE SEATING AREA AND MINIMUM 72" LONG CUSTOMER SERVICE COUNTER WITH INTEGRATED BASE CABINETS. PROVIDE A 20 PERSON CONFERENCE AREA FOR DAILY MEETINGS.

**IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION**  
B / BUSINESS

**FFE REQUIREMENTS**  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

**ACOUSTICAL REQUIREMENTS**  
STC45

**AUDIO / VIDEO REQUIREMENTS**  
PROVIDE (2) MONITOR MOUNTS FOR WEATHER REPORTS/RADAR FROM TV OR AIR TRAFFIC CONTROL, (2) CCTV MOUNTS FOR DISPLAY OF AIRCRAFT MAINTENANCE MODULES IN MAINTENANCE BAY AND EXTERIOR VIEWS OF THE ACCESS APRON AND TWO (2) TV MOUNTS WITH POWER AND DATA OUTLETS AT CONFERENCE AREA. CONFIRM EXACT REQUIREMENTS AND MONITOR LOCATION(S) WITH PRODUCTION CONTROL OFFICER.

**MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE**  
10'-0"

**SPECIAL EQUIPMENT / CONSTRUCTION**  
NONE

**SECURITY REQUIREMENTS**  
PROVIDE PUBLIC ADDRESS CONTROL STATION IN ACCORDANCE WITH SD PARAGRAPH 3.9. CONFIRM LOCATION WITH PRODUCTION CONTROL OFFICER.

**FIRE PROTECTION REQUIREMENTS**  
AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01. IF AIR LOCK PROVIDED BETWEEN BAY01 AND MAIN SPACE, ONLY AIRLOCK REQUIRED TO MEET MEASURES FOR DIRECTLY COMMUNICATING SPACE.

**NFPA HAZARD CLASSIFICATION**  
CLASS I, DIV 2 UP TO 18" AFF IN AIRLOCK OR MAIN SPACE IF NO AIRLOCK.

**PLUMBING REQUIREMENTS**  
NONE

**SPRINKLER HAZARD CLASSIFICATION**  
LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

**GASES / AIR REQUIREMENTS**  
NONE

**MECHANICAL REQUIREMENTS**  
NO SPECIAL REQUIREMENTS

**MECHANICAL AIRFLOW SUPPLY, EXHAUST**  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.

**REQUIRED AIR BALANCE**  
NEGATIVE TO CORR1, POSITIVE TO BAY01, AND NEUTRAL TO OTHER ADMIN SPACES

**MINIMUM HUMIDITY**  
30% RH - SEE UFC 3-410-01, 3-5.3.3

**MAXIMUM HUMIDITY**  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

**MINIMUM TEMPERATURE (HEATING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

**MAXIMUM TEMPERATURE (COOLING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

**OUTSIDE AIRFLOW**  
COMPLY WITH ASHRAE 62.1 FOR OFFICE SPACE. USE OCCUPANCY OF 10 PEOPLE.

**TEMPERATURE OVERRIDES**  
NONE

**ELECTRICAL REQUIREMENTS**  
NONE

**TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS**  
NIPR/LIS AT ALL WORKSTATIONS AND AT SERVICE COUNTER.

**MISCELLANEOUS SYSTEMS REQUIREMENTS**  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.

# WRPIL

SPACE NAME  
PILOT WORKROOM

FUNCTIONAL AREA / SUBAREA  
FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS

DESCRIPTION / USAGE  
HOT DESK OPEN OFFICE FOR UNIT PILOTS

SPACE CATCODE  
141.12

ARCHITECTURAL REQUIREMENTS  
PROVIDE 24" DEEP CONTINUOUS BUILT-IN COUNTERTOP WORK SURFACE AROUND ROOM PERIMETER WITH SEATING. PROVIDE 12'X3' WORK TABLE WITH SEATING FOR 10 FOR UNIT TRAINING/PLANNING ACTIVITIES.

IBC / NFPA OCCUPANCY CATEGORY,  
USE CLASSIFICATION  
B / BUSINESS

FFE REQUIREMENTS  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

ACOUSTICAL REQUIREMENTS  
STC45

AUDIO / VIDEO REQUIREMENTS  
NONE

MINIMUM CEILING HEIGHT / MINIMUM  
VERTICAL CLEARANCE  
9'-0"

SPECIAL EQUIPMENT / CONSTRUCTION  
NONE

SECURITY REQUIREMENTS  
NONE

FIRE PROTECTION REQUIREMENTS  
NO SPECIAL REQUIREMENTS

NFPA HAZARD CLASSIFICATION  
NONE

PLUMBING REQUIREMENTS  
NONE

SPRINKLER HAZARD CLASSIFICATION  
LIGHT IAW NFPA 13 AS MODIFIED  
BY UFC 3-600-01, 9-7, TABLES 9-3 &  
9-4

GASES / AIR REQUIREMENTS  
NONE

MECHANICAL REQUIREMENTS  
NO SPECIAL REQUIREMENTS

MECHANICAL AIRFLOW SUPPLY, EXHAUST  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR  
BALANCE, WHICHEVER IS MOST APPLICABLE.

REQUIRED AIR BALANCE  
NEGATIVE TO CORR1 AND NEUTRAL TO OTHER ADMIN SPACES

MINIMUM HUMIDITY  
30% RH - SEE UFC 3-410-01, 3-5.3.3

MAXIMUM HUMIDITY  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO  
ACCOUNT THE MOISTURE GAIN IN THE SPACE.

MINIMUM TEMPERATURE (HEATING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

MAXIMUM TEMPERATURE (COOLING)  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

OUTSIDE AIRFLOW  
COMPLY WITH ASHRAE 62.1 FOR OFFICE SPACE

TEMPERATURE OVERRIDES  
NONE

ELECTRICAL REQUIREMENTS  
PROVIDE OUTLETS AT EACH WORKSTATION AND EVERY 3 LF FEET ABOVE WORK SURFACE.

TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS  
PROVIDE NIPR / LIS DROPS EVERY 3 FEET ABOVE COUNTERTOP LENGTH.

MISCELLANEOUS SYSTEMS REQUIREMENTS  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.



# WRQC1

**SPACE NAME**  
QUALITY CONTROL

**FUNCTIONAL AREA / SUBAREA**  
FA01 MAINTENANCE OPERATIONS /FA01B SHOP ADMIN

**DESCRIPTION / USAGE**  
OPEN OFFICE SPACE FOR QUALITY CONTROL SECTION STAFF. QC ENFORCES STANDARDS IN REPAIR, OVERHAUL, MODIFICATION, SAFETY-OF-FLIGHT, AND OTHER REQUIRED MAINTENANCE FUNCTIONS.

**SPACE CATCODE**  
211.16

**ARCHITECTURAL REQUIREMENTS**  
LOCATE ADJACENT TO PRODUCTION CONTROL. PROVIDE ADMINISTRATIVE WORKSPACES IN QUANTITIES SHOWN ON FLOORPLAN. PROVIDE MINIMUM 72" LONG CUSTOMER SERVICE COUNTER WITH INTEGRATED BASE CABINETS.

**IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION**  
B / BUSINESS

**FFE REQUIREMENTS**  
REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE.

**ACOUSTICAL REQUIREMENTS**  
STC45

**AUDIO / VIDEO REQUIREMENTS**  
PROVIDE TWO CATV FLAT SCREEN MONITOR MOUNT WITH POWER AND DATA OUTLETS.

**MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE**  
10'-0"

**SPECIAL EQUIPMENT / CONSTRUCTION**  
NONE

**SECURITY REQUIREMENTS**  
NONE

**FIRE PROTECTION REQUIREMENTS**  
NO SPECIAL REQUIREMENTS

**NFPA HAZARD CLASSIFICATION**  
CLASS I, DIV 2 UP TO 18" AFF IN AIRLOCK OR MAIN SPACE IF NO AIRLOCK.

**PLUMBING REQUIREMENTS**  
NONE

**SPRINKLER HAZARD CLASSIFICATION**  
LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4

**GASES / AIR REQUIREMENTS**  
NONE

**MECHANICAL REQUIREMENTS**  
NO SPECIAL REQUIREMENTS

**MECHANICAL AIRFLOW SUPPLY, EXHAUST**  
AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.

**REQUIRED AIR BALANCE**  
NEGATIVE TO CORR1, POSITIVE TO BAY01, AND NEUTRAL TO OTHER ADMIN SPACES

**MINIMUM HUMIDITY**  
30% RH - SEE UFC 3-410-01, 3-5.3.3

**MAXIMUM HUMIDITY**  
55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.

**MINIMUM TEMPERATURE (HEATING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.

**MAXIMUM TEMPERATURE (COOLING)**  
IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01. MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE.

**OUTSIDE AIRFLOW**  
COMPLY WITH ASHRAE 62.1 FOR OFFICE SPACE.

**TEMPERATURE OVERRIDES**  
NONE

**ELECTRICAL REQUIREMENTS**  
NONE

**TELECOMMUNICATIONS / ELECTRONIC SYSTEMS REQUIREMENTS**  
NIPR/LIS AT ALL WORKSTATIONS AND AT SERVICE COUNTER.

**MISCELLANEOUS SYSTEMS REQUIREMENTS**  
NONE

REQUIREMENTS SHOWN ARE IN ADDITION TO BASIC REQUIREMENTS OF UFC 4-211-01 AND DISCIPLINE-SPECIFIC UFCs.