

STANDARDIZED ROOM DATA SHEETS

USACE AVN-COS
USACE MOBILE, ALABAMA DISTRICT
CURRENT VERSION: 2025-04

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:
- 2025-04 UPDATED STC RATINGS FOR FLIGHT OPS SPACES
CLARIFIED LOCATIONS FOR CMU WALLS IN SHOPS (STRUCTURAL, WELDING, POWER PLANT, POWER TRAIN, BLADE, COMPOSITE)
 - 2024-08 REVISION TO STANDARDIZE REQUIREMENTS ACROSS ALL SHEETS.
 - 2024-06 CHANGED STC REQUIREMENTS FOR BAY01, UCNSS;
CHANGED NFPA HAZARD CLASSIFICATION OF CORR3;
ADDED MISSING STSTR RDS;

ALSE1

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| 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 REGLATOR HAVING USER-ADJUSTABLE OUPUT 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 REGLATOR HAVING USER-ADJUSTABLE OUPUT 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

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| 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

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| 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

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|---|--|--|--|
| 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

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| SPACE NAME SECURE FLIGHT PLANNING | | FUNCTIONAL AREA / SUBAREA FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS | |
| DESCRIPTION / USAGE SECURE CONFERENCE / WORK ROOM | | SPACE CATCODE 14112 | |
| 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

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| SPACE NAME CORRIDOR | | FUNCTIONAL AREA / SUBAREA FA03 NET-TO-GROSS AREA /FA03C CIRCULATION | |
| DESCRIPTION / USAGE COMMON CORRIDOR | | SPACE CATCODE 21110 | |
| 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 21110 | |
| 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.

CORR5

| | | | |
|---|--|--|--|
| SPACE NAME SHOP SERVICE CORRIDOR | | FUNCTIONAL AREA / SUBAREA FA03 NET-TO-GROSS AREA /FA03C CIRCULATION | |
| DESCRIPTION / USAGE SERVICE CORRIDOR | | SPACE CATCODE 21110 | |
| 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
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
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 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 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

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|--|--|--|--|
| SPACE NAME ELEVATOR | | FUNCTIONAL AREA / SUBAREA FA03 NET-TO-GROSS AREA /FA03C CIRCULATION | |
| DESCRIPTION / USAGE ELEVATOR | | SPACE CATCODE 211 16 | |
| 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

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| 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=PUMP HP/2546x(1-EFFICIENCY)=BTU/H, CFM=Q/(1.08xΔT), ΔT=10°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

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|--|--|--|--|
| SPACE NAME FOAM MIXING | | FUNCTIONAL AREA / SUBAREA FA03 NET-TO-GROSS AREA /FA03B BUILDING SUPPORT | |
| DESCRIPTION / USAGE FOAM MIXING 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 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

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|--|--|--|--|
| 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

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|---|--|--|--|
| SPACE NAME SIPR | | FUNCTIONAL AREA / SUBAREA FA03 NET-TO-GROSS AREA /FA03B BUILDING SUPPORT | |
| DESCRIPTION / USAGE SIPR TELECOMM 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 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 CONTOL 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 GROUUNDING/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
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
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

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| SPACE NAME TELECOMM ROOM (TR) | | FUNCTIONAL AREA / SUBAREA FA03 NET-TO-GROSS AREA /FA03B BUILDING SUPPORT | |
| DESCRIPTION / USAGE TELECOMM ROOM (TR) | | SPACE CATCODE 21110 | |
| 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

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| SPACE NAME LATRINE | | FUNCTIONAL AREA / SUBAREA FA03 NET-TO-GROSS AREA /FA03A COMMON AREA | |
| DESCRIPTION / USAGE MULTIPLE FIXTURE LATRINE | | SPACE CATCODE 21110 | |
| 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

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| 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/(1.08xΔT), ΔT=10°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

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| SPACE NAME ZONE MECHANICAL ROOM | | FUNCTIONAL AREA / SUBAREA FA03 NET-TO-GROSS AREA /FA03B BUILDING SUPPORT | |
| DESCRIPTION / USAGE ZONE MECHANICAL ROOM | | SPACE CATCODE 21110 | |
| 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/2546x(1-EFFICIENCY)=BTU/H, CFM=Q/(1.08xΔT), ΔT=10°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

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| 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=COMPRESSOR HP/2546x(1-EFFICIENCY)=BTU/H, CFM=Q/(1.08xΔT), ΔT=10°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

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|---|--|--|--|
| SPACE NAME ELEVATOR EQUIPMENT | | FUNCTIONAL AREA / SUBAREA FA03 NET-TO-GROSS AREA /FA03B BUILDING SUPPORT | |
| DESCRIPTION / USAGE ELEVATOR 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 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=MOTOR HP/2546x(1-EFFICIENCY)=BTU/H, CFM=Q/(1.08xΔT), ΔT=10°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

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| SPACE NAME PRIVATE OFFICE | | FUNCTIONAL AREA / SUBAREA FA01 MAINTENANCE OPERATIONS /FA01B SHOP ADMIN OR FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS | |
| DESCRIPTION / USAGE PRIVATE OFFICE | | SPACE CATCODE 211 16 OR 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 / LIS | | | |
| MISCELLANEOUS SYSTEMS REQUIREMENTS NONE | | | |

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

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

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

OFA04

SPACE NAME
PLATOON WORKROOM

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

DESCRIPTION / USAGE
MEDEVAC PLATOON WORKROOM

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
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 CORRI

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

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| 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 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 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

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| SPACE NAME PRIVATE OFFICE, FLIGHT OPERATIONS | | FUNCTIONAL AREA / SUBAREA FA02 AVIATION UNIT OPERATIONS /FA02B FLIGHT OPS | |
| DESCRIPTION / USAGE PRIVATE OFFICE, FLIGHT OPERATIONS | | 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 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.

OFTCH

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|---|--|--|--|
| SPACE NAME TECH SUPPLY OFFICE / WORKROOM | | FUNCTIONAL AREA / SUBAREA FA01 MAINTENANCE OPERATIONS /FA01F TECH SUPPLY | |
| DESCRIPTION / USAGE TECH SUPPLY OFFICE / WORKROOM | | SPACE CATCODE 21113 | |
| 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 ALSE 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

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| 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 21116 | |
| ARCHITECTURAL REQUIREMENTS PROVIDE CONCRETE OR CMU FOR BOTTOM 120" OF WALLS. 8'W X 10'H INSULATED MOTORIZED OVERHEAD DOOR AND 36" PERSONNEL DOOR TO MAINTENANCE BAY. PROVIDE 36" PERSONNEL EGRESS-ONLY DOOR TO 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 (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 COMMUNICATIONG 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.

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| 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 PROVIDE CONCRETE OR CMU FOR BOTTOM 120" OF WALLS. 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 COMMUNICATIONG SPACES. NO RETURN AIR FROM SPACE. | | | |
| MINIMUM HUMIDITY 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 | | | |
| 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 MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM. | | | |
| 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. | | TEMPERATURE OVERRIDES PROVIDE AFTER-HOURS OVERRIDE CONTROLS TO PLACE SYSTEMS INTO "OCCUPIED" MODE FOR USER-ADJUSTABLE TIME PERIOD UP TO 4 HOURS. | |
| 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.

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| SPACE NAME | FUNCTIONAL AREA / SUBAREA | |
| ELECTRICAL / AVIONICS REPAIR SHOP (EITHER COMBINED OR SEPARATE) | FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS | |
| DESCRIPTION / USAGE | SPACE CATCODE | |
| 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. | 21116 | |
| ARCHITECTURAL REQUIREMENTS | IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION | |
| PROVIDE 72" WIDE DOUBLE DOOR ACCESS TO MAINTENANCE BAY / SERVICE CORRIDOR. ALL FLOORING AND MAINTENANCE WORK SURFACES TO BE STATIC DISSIPATIVE. | F / INDUSTRIAL | |
| FFE REQUIREMENTS | ACOUSTICAL REQUIREMENTS | |
| REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE. | STC40 | |
| AUDIO / VIDEO REQUIREMENTS | MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE | |
| NONE | 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 | NFPA HAZARD CLASSIFICATION | |
| NO SPECIAL REQUIREMENTS | NONE | |
| PLUMBING REQUIREMENTS | SPRINKLER HAZARD CLASSIFICATION | |
| NONE | 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 | REQUIRED AIR BALANCE | |
| 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. | NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS | |
| MINIMUM HUMIDITY | MAXIMUM HUMIDITY | |
| 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 | 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 | TEMPERATURE OVERRIDES | |
| IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM. | 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.

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| SPACE NAME | | FUNCTIONAL AREA / SUBAREA | |
| ELECTRICAL REPAIR SHOP | | FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS | |
| DESCRIPTION / USAGE | | SPACE CATCODE | |
| SHOP SPACE FOR REPAIR OF AIRCRAFT ELECTRICAL SYSTEMS. OCCURS IN MAINTENANCE ORGANIZATION HANGARS (ASB, ETC.) ONLY. FLIGHT ORGANIZATION HANGARS HAVE COMBINED ELECTRICAL / AVIONICS SHOP. | | 21116 | |
| ARCHITECTURAL REQUIREMENTS | | IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION | |
| PROVIDE 72" WIDE DOUBLE DOOR ACCESS TO MAINTENANCE BAY / SERVICE CORRIDOR. ALL FLOORING AND MAINTENANCE WORK SURFACES TO BE STATIC DISSIPATIVE. | | F / INDUSTRIAL | |
| FFE REQUIREMENTS | | ACOUSTICAL REQUIREMENTS | |
| REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE. | | STC40 | |
| AUDIO / VIDEO REQUIREMENTS | | MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE | |
| NONE | | 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 | | REQUIRED AIR BALANCE | |
| 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. | | NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS | |
| MINIMUM HUMIDITY | | MAXIMUM HUMIDITY | |
| 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 | | 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 | | TEMPERATURE OVERRIDES | |
| IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM. | | 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.

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| 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 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 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.

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| SPACE NAME | | FUNCTIONAL AREA / SUBAREA | |
| NAVIGATION/FLIGHT CONTROL REPAIR SHOP | | FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS | |
| DESCRIPTION / USAGE | | SPACE CATCODE | |
| 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. | | 21116 | |
| ARCHITECTURAL REQUIREMENTS | | IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION | |
| PROVIDE 72" WIDE DOUBLE DOOR ACCESS TO MAINTENANCE BAY / SERVICE CORRIDOR. | | F / INDUSTRIAL | |
| FFE REQUIREMENTS | | ACOUSTICAL REQUIREMENTS | |
| REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE. | | STC40 | |
| AUDIO / VIDEO REQUIREMENTS | | MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE | |
| NONE | | 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 | | NFPA HAZARD CLASSIFICATION | |
| NO SPECIAL REQUIREMENTS | | NONE | |
| PLUMBING REQUIREMENTS | | SPRINKLER HAZARD CLASSIFICATION | |
| NONE | | 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 | | REQUIRED AIR BALANCE | |
| EXHAUST 0.5 CFM/SF | | NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS | |
| MINIMUM HUMIDITY | | MAXIMUM HUMIDITY | |
| 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 | | 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 | | TEMPERATURE OVERRIDES | |
| IAW ASHRAE 62.1 FOR MANUFACTURING | | 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.

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| SPACE NAME | | FUNCTIONAL AREA / SUBAREA | |
| NDI | | FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS | |
| DESCRIPTION / USAGE | | SPACE CATCODE | |
| DARK ROOM FOR FLUORESCENT PENETRANT PARTS INSPECTION | | 21116 | |
| ARCHITECTURAL REQUIREMENTS | | IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION | |
| CONSTRUCT THE ROOM SIMILAR TO A DARK ROOM TO PREVENT LIGHT ENTERING FROM ADJACENT SPACES: F / INDUSTRIAL 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". | | | |
| FFE REQUIREMENTS | | ACOUSTICAL REQUIREMENTS | |
| REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE. | | STC40 | |
| AUDIO / VIDEO REQUIREMENTS | | MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE | |
| NONE | | 9'-0" | |
| SPECIAL EQUIPMENT / CONSTRUCTION | | | |
| NONE | | | |
| SECURITY REQUIREMENTS | | | |
| NONE | | | |
| FIRE PROTECTION REQUIREMENTS | | NFPA HAZARD CLASSIFICATION | |
| NO SPECIAL REQUIREMENTS | | CLASS I DIVISION II UP TO 18" AFF | |
| PLUMBING REQUIREMENTS | | SPRINKLER HAZARD CLASSIFICATION | |
| NONE | | 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 | | REQUIRED AIR BALANCE | |
| 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. | | NEGATIVE TO ADJACENT SPACES. | |
| MINIMUM HUMIDITY | | MAXIMUM HUMIDITY | |
| 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 | | 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 | | TEMPERATURE OVERRIDES | |
| IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM. | | 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

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

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

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|---|--|--|--|
| 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 21116 | |
| 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.

SHPWP

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| 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 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. 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.

SHPWT

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| 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.

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| SPACE NAME | | FUNCTIONAL AREA / SUBAREA | |
| STRUCTURAL REPAIR SHOP | | FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS | |
| DESCRIPTION / USAGE | | SPACE CATCODE | |
| SHOP SPACE FOR METAL FABRICATION AND COMPOSITE MATERIAL REPAIR | | 211 16 | |
| ARCHITECTURAL REQUIREMENTS | | IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION | |
| 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. | | F / INDUSTRIAL | |
| FFE REQUIREMENTS | | ACOUSTICAL REQUIREMENTS | |
| REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE. | | STC40 | |
| AUDIO / VIDEO REQUIREMENTS | | MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE | |
| NONE | | 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 | | NFPA HAZARD CLASSIFICATION | |
| NONE | | CLASS I DIVISION II UP TO 18" AFF | |
| PLUMBING REQUIREMENTS | | SPRINKLER HAZARD CLASSIFICATION | |
| 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. | | 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 | | REQUIRED AIR BALANCE | |
| 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. | | NEGATIVE TO CORRIDOR. | |
| MINIMUM HUMIDITY | | MAXIMUM HUMIDITY | |
| 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 | | 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 | | TEMPERATURE OVERRIDES | |
| IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM. | | 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. VOIP PHONE. | | | |
| 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. ALL FLOORING AND MAINTENANCE WORK SURFACES TO BE STATIC DISSIPATIVE.

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.

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| SPACE NAME | | FUNCTIONAL AREA / SUBAREA | |
| MACHINE / WELDING SHOP | | FA01 MAINTENANCE OPERATIONS /FA01D COMPONENT REPAIR SHOPS | |
| DESCRIPTION / USAGE | | SPACE CATCODE | |
| SHOP SPACE FOR REPAIR OF AIRCRAFT COMPONENTS REQUIRING MACHINING AND WELDING PROCESSES | | 21116 | |
| ARCHITECTURAL REQUIREMENTS | | IBC / NFPA OCCUPANCY CATEGORY, USE CLASSIFICATION | |
| PROVIDE CONCRETE OR CMU FOR BOTTOM 120" OF WALLS. 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. | | F / INDUSTRIAL | |
| FFE REQUIREMENTS | | ACOUSTICAL REQUIREMENTS | |
| REFER TO STANDARD DESIGN FLOORPLANS (IF PROVIDED) FOR REQUIRED FFE IN SPACE. | | STC40 | |
| AUDIO / VIDEO REQUIREMENTS | | MINIMUM CEILING HEIGHT / MINIMUM VERTICAL CLEARANCE | |
| NONE | | 10'-0" MIN. OR AS REQUIRED IF CAD/CAM MACHINERY PRESENT | |
| SPECIAL EQUIPMENT / CONSTRUCTION | | | |
| NONE | | | |
| SECURITY REQUIREMENTS | | | |
| NONE | | | |
| FIRE PROTECTION REQUIREMENTS | | NFPA HAZARD CLASSIFICATION | |
| AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01 | | CLASS I DIVISION II UP TO 18" AFF | |
| PLUMBING REQUIREMENTS | | SPRINKLER HAZARD CLASSIFICATION | |
| NONE | | 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 | | REQUIRED AIR BALANCE | |
| 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. | | NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS | |
| MINIMUM HUMIDITY | | MAXIMUM HUMIDITY | |
| 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 | | 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 | | TEMPERATURE OVERRIDES | |
| IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM. | | 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
21110

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

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| 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
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
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

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| 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 21110 | |
| 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
14112

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
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" @ 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

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| 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

21110

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

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| 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

21116

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

14112

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

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| 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 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 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

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| 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 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 NONE | | | |
| MISCELLANEOUS SYSTEMS REQUIREMENTS NONE | | | |

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

UCNSS

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| 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 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 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

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| SPACE NAME RECYCLABLES | | FUNCTIONAL AREA / SUBAREA FA03 NET-TO-GROSS AREA /FA03A COMMON AREA | |
| DESCRIPTION / USAGE ROOM / SPACE FOR RECYCLING CONTAINERS | | 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 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

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

INTRUSION DETECTION AND ACCESS CONTOL 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
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
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

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

10'-8"

SPECIAL EQUIPMENT / CONSTRUCTION

NONE

SECURITY REQUIREMENTS

SECURITY LOCK SET, INTRUSION DETECTION, AND ACCESS CONTOL 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 NEGATIVE TO CORRIDOR
TEMPERATURE & HUMIDITY CONTROL

REQUIRED AIR BALANCE

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 CONTROLLED PORTIONS OF AIRCRAFT MOUNTED SYSTEMS (WEAPONS & COMPONENTS, COMSEC EQUIPMENT REMOVED FROM AIRCRAFT, ETC.) WHILE IN SHOP FOR REPAIR

SPACE CATCODE

21116

ARCHITECTURAL REQUIREMENTS

ALL FLOORING AND MAINTENANCE WORK SURFACES TO BE STATIC DISSIPATIVE.

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 CONTOL 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 NEGATIVE TO CORRIDOR TEMPERATURE & HUMIDITY CONTROL

REQUIRED AIR BALANCE

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

21116

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
14112

ARCHITECTURAL REQUIREMENTS
PROVIDE MINIMUM 8' LONG SERVICE COUNTER WITH INTEGRATED BASE CABINET. REFER TO FLOOR PLANS B / BUSINESS FOR FFE.

IBC / NFPA OCCUPANCY CATEGORY,
USE CLASSIFICATION

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
14112

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
STC50

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

14112

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

21116

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
14112

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.