

# STANDARDIZED ROOM DATA SHEETS

USACE CENTER OF STANDARDIZATION, AVIATION VERTICAL (AVN-COS)

USACE MOBILE DISTRICT

CURRENT VERSION: **2026-04**

1. APPLIES TO PROJECTS DEVELOPED UNDER THE FOLLOWING ARMY STANDARDS:  
TOE ROTARY WING, TDA ROTARY WING, FIXED WING, TUAS
2. ROOM DATA SHEETS ARE TO BE USED TO SUPPLEMENT OTHER STANDARD DESIGN CRITERIA AND NOTIONAL ADJACENCY DIAGRAMS.
3. MINIMUM NET AREAS FOR SPACES ARE TO BE DETERMINED BY APPLICABLE ARMY STANDARD AND COS BASED ON UNIT-SPECIFIC MANNING DOCUMENT(S) (MTOE, TDA). IF NO ARMY STANDARD APPLIES FOR THE PROPOSED FACILITY, CONTACT THE COS FOR ASSISTANCE IN DEVELOPING MINIMUM SPACE REQUIREMENTS.
4. BASE REQUIREMENTS OF CURRENT UFCs, REGULATIONS AND CODES APPLY TO ALL DISCIPLINES.
5. WHERE 'NONE' IS SHOWN FOR SPECIFIC CRITERIA, THIS IS TO BE INTERPRETED AS 'NONE ADDITIONAL ABOVE BASE REQUIREMENTS'.
6. CURRENT VERSIONS OF PUBLISHED ARMY STANDARDS AND STANDARD DESIGNS ARE AVAILABLE AT: <HTTPS://MRSI.ERDC.DREN.MIL/COS/SAM/>

CHANGE LOG:

2026-04 USACE-WIDE REFORMATTING

# ALSE1

ALSE SHOP / LOCKERS	
FUNCTIONAL AREA:	FA01 / FA01E ALSE REPAIR SHOP
CATCode:	211 16
SPACE DESCRIPTION:	SHOP SPACE FOR INSPECTION, MAINTENANCE, AND STORAGE OF AVIATION LIFE SUPPORT EQUIPMENT
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	MAY BE LOCATED ON FIRST OR SECOND FLOOR; LOCATE WITH NEAR ACCESS TO FLIGHT OPERATIONS AND HANGAR BAY. LOCATE LOCKERS WITH DIRECT EXPOSURE TO PRIMARY CORRIDOR AND TO ALSE WORKROOM.  REFER TO NOTIONAL PLAN.
SITE:	NONE
STRUCTURAL:	IN UNITS WITH MEDEVAC MISSION, PROVIDE (2) OVERHEAD SUPPORT POINTS CAPABLE OF SUPPORTING 500# FOR MAINTENANCE / TESTING OF EMERGENCY HOISTS. PROVIDE 96"x96" CLEAR FLOOR SPACE AT EACH POINT.
ARCHITECTURAL:	MINIMUM STC RATING: STC40 FOR PARTITIONS AND DOORS; MAXIMUM ACHIEVABLE FOR COUNTER SHUTTER IF LESS THAN 40.  PARTITIONS: IMPACT RESISTANT GWB.  DOORS: (1) 36x84 AND (1) PAIR 36x84 SIDE-HINGED OPENINGS; (1) 72x48 COILING COUNTER SHUTTER. PROVIDE NARROW LITE IN ACTIVE LEAFS OF SIDE-HINGED PANELS.  GLAZED OPENINGS: NONE.  MINIMUM OVERHEAD CLEARANCE: 10'  ACCESSORIES: PROVIDE PAPER TOWEL AND SOAP DISPENSERS AT SINK(S).
INTERIORS:	FINISHES:  FLOOR: STATIC DISSIPATIVE TILE / SHEET.  BASE: RESILIENT  WALLS: PAINTED  CEILING: SUSPENDED ACOUSTIC TILE

	<p>HORIZONTAL MILLWORK: STAINLESS STEEL SERVICE COUNTER</p> <p>VERTICAL MILLWORK: NONE</p> <p>WALL PROTECTION: PROVIDE 60" HIGH PLASTIC WALL SHEETING ON WALLS BEHIND WORKSTATIONS. PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS.</p>
FURNISHINGS / EQUIPMENT:	<p>REFER TO NOTIONAL PLAN.</p> <p>ALSO LOCKERS TO BE 30" X 30" X 30" PASS THROUGH EVIDENCE-STYLE LOCKERS, TRIPLE STACKED.</p> <p>PROVIDE 2-TIER CLOTHES ROD. BOTTOM TIER TO BE REMOVABLE TO ALLOW DRYING OF MUSTANG SUITS.</p>
FIRE PROTECTION:	<p>ALL FLIGHT GEAR MATERIALS STORED ARE NON-COMBUSTIBLE.</p> <p>IBC USE/CLASSIFICATION: B</p> <p>NFPA OCCUPANCY: BUSINESS</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	<p>STAINLESS STEEL UTILITY SINK WITH EMERGENCY EYEWASH.</p> <p>PROVIDE FLOOR DRAIN UNDER SUIT DRYING HANGING RODS.</p>
GASES / AIR:	<p>2 COMPRESSED-AIR DROPS (MOISTURE AND OIL FREE) WITH DEDICATED REGULATOR HAVING USER-ADJUSTABLE OUTPUT PRESSURE FROM 5 TO 150 PSIG, PRESSURE GAGE, FILTER HOUSING, AND ISOLATION VALVE IN SHOP.</p>
MECHANICAL:	<p>SUPPLY / EXHAUST: EXHAUST IAW UFC 4-211-01. SUPPLY AS REQUIRED FOR AIR BALANCE OR TEMPERATURE &amp; HUMIDITY CONTROL.</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ALL ADMIN AND CORRIDOR SPACES, POSITIVE RELATIVE TO ALL SHOP SPACES AND BAY01.</p> <p>MINIMUM / 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.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR SORTING, PACKING, LIGHT ASSEMBLY.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>

	PROVIDE SPECIALIZED EXHAUST SYSTEM REQUIRED PER UFC 4-211-01 CHAPTER 3, 3-5.3.1.3 AVIONICS/ELECTRICAL REPAIR FOR ONE SOLDERING STATION.
ELECTRICAL:	PROVIDE GROUNDING BAR AT EACH WORKBENCH.
TELECOMMUNICATIONS:	NIPR / LIS AT WORKBENCHES AND SERVICE COUNTER.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# ALSE2

<b>ALSE SHOP / LOCKERS</b>	
FUNCTIONAL AREA:	FA01 / FA01E ALSE REPAIR SHOP
CATCode:	211 16
SPACE DESCRIPTION:	ALSE OVERWATER EQUIPMENT TESTING ROOM
<b>FUNCTIONAL AND OPERATIONAL REQUIREMENTS:</b>	
ADJACENCIES:	LOCATE WITH DIRECT ACCESS FROM WITHIN ALSE SHOP.
SITE:	NONE
STRUCTURAL:	NONE
ARCHITECTURAL:	STC40
	PARTITIONS: IMPACT RESISTANT GWB. DOORS: (1) 36x84 w/ NARROW VISION LITE. MINIMUM OVERHEAD CLEARANCE: 9' GLAZED OPENINGS: NONE. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: RESILIENT TILE. BASE: RESILIENT WALLS: PAINTED CEILING: SUSPENDED ACOUSTIC TILE HORIZONTAL MILLWORK: NONE VERTICAL MILLWORK: NONE WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

PLUMBING:	NONE.
GASES / AIR:	1 COMPRESSED-AIR DROP (MOISTURE AND OIL FREE) WITH DEDICATED REGULATOR HAVING USER-ADJUSTABLE OUTPUT PRESSURE FROM 5 TO 150 PSIG, PRESSURE GAGE, FILTER HOUSING, AND ISOLATION VALVE IN SPACE.
MECHANICAL:	<p>SUPPLY / EXHAUST: EXHAUST IAW UFC 4-211-01. SUPPLY AS REQUIRED FOR AIR BALANCE OR TEMPERATURE &amp; HUMIDITY CONTROL. NO RETURN AIR FROM SPACE.</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ALL ADMIN AND CORRIDOR SPACES, POSITIVE RELATIVE TO ALL SHOP SPACES AND BAY01.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 52°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): 68°F (20°C) DB. NO UNOCCUPIED PERIOD ALLOWED.</p> <p>MAXIMUM TEMPERATURE (COOLING): 72°F (22°C) DB AND 55°F (11°C) DEW POINT TEMPERATURE. NO UNOCCUPIED PERIOD ALLOWED.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR SORTING, PACKING, LIGHT ASSEMBLY.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# BAY01

AIRCRAFT MAINTENANCE BAY	
FUNCTIONAL AREA:	FA01/FA01A – MAINTENANCE BAY
CATCode:	211 14
SPACE DESCRIPTION:	HEATED AND VENTILATED WORK AREA FOR THE INSPECTION, MAINTENANCE, REPAIR AND MODIFICATION OF AIRCRAFT
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	LOCATE WITH DIRECT AIRCRAFT ACCESS TO ACCESS APRON AND MASS PARKING APRON.
SITE:	PROVIDE MINIMUM 75' DEEP ACCESS APRON MATCHING WIDTH OF BAY.
STRUCTURAL:	CH-47 IS TO BE USED AS DESIGN AIRCRAFT FOR SLAB LOADINGS.
ARCHITECTURAL:	NO MINIMUM STC RATING.
	PARTITIONS: PERIMETER WALLS TO HAVE MINIMUM 10' HIGH CMU OR CONCRETE.
	DOORS: HANGAR DOORS TO PROVIDE 28' MINIMUM CLEAR HEIGHT. PROVIDE PASSAGE DOORS IN HANGAR DOORS FOR ACCESS TO APRON WITH HARDWARE CAPABLE OF REMAINING UNLOCKED AND OPERABLE FROM EXTERIOR DURING NORMAL OPERATIONS AND SECURED WHEN NECESSARY. PROVIDE 36" x 84" SIDE-HINGED PASSAGE AND 120" x 120" OVERHEAD COILING DOORS IN PERIMETER WALLS FOR ACCESS TO EXTERIOR APRONS AND INTERIOR SPACES. PROVIDE NARROW LITE IN ACTIVE LEAFS OF SIDE-HINGED PANELS. GLAZED OPENINGS: PROVIDE TRANSLUCENT PANELS IN UPPER WALLS WHERE SUITABLE AS DETERMINED THROUGH GLARE / NIGHTTIME LIGHT HAZARD STUDIES. MINIMUM OVERHEAD CLEARANCE: AS REQUIRED TO ACCOMMODATE BRIDGE CRANE MINIMUM SADDLE HEIGHT (SEE MECHANICAL BELOW). ACCESSORIES: PROVIDE PAPER TOWEL AND SOAP DISPENSERS AT GANG HANDWASH STATIONS. PROVIDE BIRD MITIGATION NETTING AT BOTTOM OF ROOF TRUSSES AND OVER ALL WALL SURFACES ABOVE 10'.
INTERIORS:	FINISHES:

	<p>FLOOR: 5-COAT EPOXY, WHITE OR LIGHT GRAY. COORDINATE COLORS OF OTHER MARKINGS (AIRCRAFT POSITIONING, SAFETY LANES, ETC.) WITH UFC, USER AND INSTALLATION REQUIREMENTS.</p> <p>BASE: NONE.</p> <p>WALLS: PAINTED</p> <p>CEILING: OPEN STRUCTURE; ALL STEEL TO RECEIVE HIGH PERFORMANCE COATING PER UFC 4-211-01</p> <p>HORIZONTAL MILLWORK: NONE.</p> <p>VERTICAL MILLWORK: NONE.</p> <p>WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS. PROVIDE BOLLARDS AT OVERHEAD COILING DOORS.</p> <p>PROVIDE AIRCRAFT POSITIONING MARKING FOR LEGACY AIRCRAFT ONLY (H-47, H-60, H-64).</p>
<p>FURNISHINGS / EQUIPMENT:</p>	<p>REFER TO NOTIONAL PLAN.</p>
<p>FIRE PROTECTION:</p>	<p>IBC USE/CLASSIFICATION: S-1</p> <p>NFPA OCCUPANCY: INDUSTRIAL</p> <p>SPRINKLER HAZARD CLASSIFICATION: IAW UFC 4-211-01. ILDFA (IGNITABLE LIQUID DRAINABLE FLOOR ASSEMBLY) MAY BE USED IN LIEU OF FOAM SUPPRESSION, IF LCCA VIABLE, DESIRED AND IS PRE-APPROVED BY AHJ.</p> <p>FOR THE PURPOSES OF FIRE PROTECTION AND CODE ANALYSIS, AIRCRAFT IS CONSIDERED FUELED.</p>
<p>PLUMBING:</p>	<p>PROVIDE HOSE BIBB AND FLOOR DRAIN AT ALL UTILITY STANDS.</p> <p>DRAIN HANGAR DOOR TRACKS TO TRENCH DRAIN.</p> <p>PROVIDE GANG HANDWASH STATIONS, MINIMUM (1) PER (2) MODULES.</p> <p>ROUTE ALL DRAINS AND FIXTURE DISCHARGE WITHIN BAY THROUGH INDUSTRIAL WASTE SYSTEM.</p>
<p>GASES / AIR:</p>	<p>PROVIDE COMPRESSED AIR DROPS ON EACH AIRCRAFT UTILITY PEDESTAL WITH CONNECTORS SUITABLE FOR USER EQUIPMENT. PROVIDE DEDICATED ISOLATION VALVE.</p>
<p>MECHANICAL:</p>	<p>HEATED AND VENTILATED.</p> <p>SUPPLY / EXHAUST: SPECIALIZED EXHAUST SYSTEM IS REQUIRED IAW UFC 4-211-01 CHAPTER 3, 4 AND 6. PROVIDE INTAKE LOUVERS FOR PASSIVE INTAKE OF MAKEUP AIR. PROVIDE MAKEUP AIR UNITS WITH</p>

	<p>HEATING IN CLIMATES WHERE ASHRAE 99% DESIGN TEMPERATURE IS LOWER THAN 35°F (2°C).</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ALL SPACES EXCEPT SHBLA AND SHCOM.</p> <p>MINIMUM / MAXIMUM HUMIDITY: UNCONTROLLED.</p> <p>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.</p> <p>MAXIMUM TEMPERATURE (COOLING): PROVIDE IAW UFC 4-211-01 3-5.1</p> <p>OUTSIDE AIRFLOW: VENTILATE THE HANGAR IAW UFC 4-211-01.</p> <p>TEMPERATURE OVERRIDES: 68°F (20°C) DB FOR 8 HOURS FOR PROCESS REQUIREMENTS ONLY.</p> <p>PROVIDE HANGAR DOOR TRACK HEATING SYSTEM AND HEATED MAKEUP AIR IN CLIMATES WHERE ASHRAE 99% DESIGN TEMPERATURE IS LOWER THAN 35°F (2°C).</p> <p>PROVIDE BRIDGE CRANE(S) IN BAY 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. PROVIDE PENDANT CONTROL(S).</p> <p>BRIDGE CRANE SADDLE HEIGHT FOR ROTARY-WING HANGARS TO BE 31'. FOR FIXED WING HANGARS, COORDINATE WITH COS.</p> <p>EXHAUST: IAW UFC 4-211-01.</p>
ELECTRICAL:	<p>LOCATE UTILITY PEDESTALS IN MAINTENANCE BAY PER STANDARD DESIGN PLANS (MIN. 1 PER MODULE), EACH WITH 400 HZ AND 270VDC POWER. EACH PEDESTAL TO HAVE ONE (1) 400HZ CABLE REEL WITH 90' CABLE LENGTH AND ONE (1) 270VDC CABLE REEL WITH 75' CABLE LENGTH.</p> <p>PROVIDE 60A/480V/3Ø, 30A/208V/3Ø AND TWO (2) QUAD GFI 120V RECEPTACLES. PROVIDE AIRCRAFT GROUNDING IN ACCORDANCE WITH UFC 3-575-01.</p>
TELECOMMUNICATIONS:	<p>PROVIDE TWO (2) EACH NIPR / LIS DROPS AT EACH UTILITY PEDESTAL.</p> <p>PROVIDE OUTLETS ALONG PERIMETER WALLS TO SUPPORT WIRELESS ACCESS POINT (WAP) COVERAGE OF THE ENTIRE HANGAR BAY.</p>

	PROVIDE OUTLETS NEAR THE HANGAR DOORS OR ON THE EXTERIOR OF THE FACILITY TO SUPPORT WAP COVERAGE OF THE APRON.
SECURITY:	ACCESS CONTROL ON ALL PERIMETER OPENINGS OUTSIDE OF AIRFIELD CONTROLLED PERIMETER.
AUDIO/VISUAL:	PROVIDE CCTV CAMERA COVERAGE OF THE ENTIRE HANGAR BAY FLOOR AND APRON WITH MONITORING STATIONS IN QC, PC, AND FLIGHT OPS. CCTV FOR OPERATIONAL PURPOSES, NOT SECURITY.

# CONF1

CONFERENCE	
FUNCTIONAL AREA:	FA02 AVIATION UNIT OPERATIONS / FA02B FLIGHT OPS
CATCode:	141 12
SPACE DESCRIPTION:	SMALL CONFERENCE ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	LOCATE ADJACENT TO COMPANY COMMAND SUITE WITH DIRECT ACCESS TO PRIMARY CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84". GLAZED OPENINGS: PROVIDE BORROWED LITE TO PRIMARY CORRIDOR. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: RESILIENT TILE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.</p> <p>AIR BALANCE: NEGATIVE TO CORRIDOR, POSITIVE TO ALL SHOP SPACES, AND NEUTRAL TO OTHER ADMIN SPACES.</p> <p>MINIMUM / 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.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	PROVIDE OUTLETS FOR WALL MOUNTED TV MONITORS, DIGITAL CLOCKS, CONFERENCE TABLE FLOOR BOXES, ETC.
TELECOMMUNICATIONS:	NIPR OUTLETS ALONG PERIMETER WALLS WITH ADDITIONAL OUTLETS AT TV'S, DIGITAL CLOCKS, NEAR CONFERENCE TABLE FLOOR BOXES. ETC.
SECURITY:	NONE.
AUDIO/VISUAL:	PROVIDE (1) TV MOUNT WITH HDMI IN WALL BEHIND TV AND IN FLOOR BOX UNDER CONFERENCE TABLE.

# CONF2

PILOT BRIEFING ROOM	
FUNCTIONAL AREA:	FA02 AVIATION UNIT OPERATIONS / FA02B FLIGHT OPS
CATCode:	141 12
SPACE DESCRIPTION:	MEETING ROOM SUITABLE FOR SEMINAR-TYPE MISSION AND SAFETY BRIEFINGS, EXAMINATIONS OR INSTRUCTIONAL CLASSES
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	LOCATE IN FLIGHT OPERATIONS MODULE WITH DIRECT ACCESS TO PRIMARY CORRIDOR.
SITE:	NONE.
STRUCTURAL:	SUPPORTS FOR OPERABLE PARTITION.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: (2) PAIR 36"x84" w/ NARROW VISION LITE; OPERABLE STC-RATED PARTITION TO SEPARATE ROOM INTO 1/3-2/3 CONFIGURATION. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 10'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: CARPET OR RESILIENT TILE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS, 48" HIGH PLASTIC WALL SHEETING AND BUMPER GUARDS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.

FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: A-3</p> <p>NFPA OCCUPANCY: ASSEMBLY</p> <p>SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.</p> <p>AIR BALANCE: NEGATIVE TO CORRIDOR, POSITIVE TO ALL SHOP SPACES, AND NEUTRAL TO OTHER ADMIN SPACES.</p> <p>MINIMUM / 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.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR LECTURE CLASSROOM.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	PROVIDE OUTLETS FOR WALL MOUNTED TV MONITORS, DIGITAL CLOCKS, ETC.
TELECOMMUNICATIONS:	NIPR OUTLETS ALONG PERIMETER WALLS WITH ADDITIONAL OUTLETS AT TV'S, DIGITAL CLOCKS, ETC.
SECURITY:	NONE.
AUDIO/VISUAL:	PROVIDE (2) PROJECTOR MOUNTS AND ELECTRIC RETRACTABLE SCREENS AT FRONT OF ROOM WITH CONTROL CONSOLE AT LECTERN.

# CONFS

SECURE FLIGHT PLANNING	
FUNCTIONAL AREA:	FA02 AVIATION UNIT OPERATIONS / FA02B FLIGHT OPS
CATCode:	141 12
SPACE DESCRIPTION:	SECURE CONFERENCE ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	LOCATE IN FLIGHT OPERATIONS MODULE WITH DIRECT ACCESS TO FLIGHT PLANNING WORKROOM.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. DESIGN AND BUILD PER AR-380-5 REQUIREMENT FOR SECURE ROOM WITH IDS FOR SIPR PARTITIONS: GWB. DOORS: 36"x84". GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: CARPET OR RESILIENT TILE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS, 48" HIGH PLASTIC WALL SHEETING AND BUMPER GUARDS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.

FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: B</p> <p>NFPA OCCUPANCY: BUSINESS</p> <p>SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>DUCTS EXCEEDING 96 SQ INCHES REQUIRE MANBARS/GRILLS/SOUND BAFFLES, DIELECTRIC BREAKS AT PENETRATIONS OF SECURE BOUNDARY WALLS IAW UFC 4-010-05 &amp; ICD 705. PIPING PENETRATIONS MUST ALSO COMPLY WITH UFC 4-010-05, ICD 705, AND SITE SECURITY MANAGER REQUIREMENTS.</p> <p>SUPPLY / EXHAUST: AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.</p> <p>AIR BALANCE: NEGATIVE TO CORRIDOR, POSITIVE TO ALL SHOP SPACES, AND NEUTRAL TO OTHER ADMIN SPACES.</p> <p>MINIMUM / 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.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	<p>PROVIDE OUTLETS FOR WALL MOUNTED TV MONITORS, DIGITAL CLOCKS, CONFERENCE TABLE FLOOR BOXES, ETC.</p>
TELECOMMUNICATIONS:	<p>NIPR OUTLETS ALONG PERIMETER WALLS WITH ADDITIONAL OUTLETS AT TV'S, DIGITAL CLOCKS, CONFERENCE TABLE FLOOR BOXES. ETC.</p> <p>PROVIDE SIPR OUTLET IN PDS.</p>
SECURITY:	<p>DESIGN AND BUILD PER AR-380-5 REQUIREMENT FOR SECURE ROOM WITH IDS FOR SIPR.</p> <p>SECURITY LOCK SET. ACCESS CONTROLS ON ENTRY DOOR. VERIFY OPEN OR CLOSED STORAGE INTENT WITH UNIT.</p> <p>NO GLAZED OPENINGS ALLOWED.</p>
AUDIO/VISUAL:	<p>PROVIDE (2) TV MOUNTS w/ PATHWAYS TO FLOOR-MOUNTED BOXES UNDER WORK TABLES.</p>

# CORR1

CORRIDOR	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / CIRCULATION
CATCode:	211 10
SPACE DESCRIPTION:	COMMON CORRIDOR
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	NONE.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	NO MINIMUM STC. PARTITIONS: GWB. DOORS: CROSS CORRIDOR OPENINGS TO BE 36"x84" w/ NARROW VISION LITES. DOORS TO MAINTENANCE BAY TO BE PAIR 42"x84" w/ NARROW VISION LITES. GLAZED OPENINGS: AS REQUIRED TO EXTERIOR AND INTERIOR SPACES. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE. PROVIDE MINIMUM 96" DEEP VESTIBULE WITH SELF-CLOSING DOORS AT ALL ENTRANCES TO MAINTENANCE BAY TO CREATE NFPA HAZARD CLASSIFICATION SUITABLY CUT OFF CONDITION.
INTERIORS:	FINISHES: FLOOR: POLISHED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.

FIRE PROTECTION:	IBC USE/CLASSIFICATION: B (F IN SHOP AREA) NFPA OCCUPANCY: BUSINESS (INDUSTRIAL IN SHOP AREA) SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP. USE REHEAT FOR TEMPERATURE CONTROL. 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. AIR BALANCE: POSITIVE TO ALL SPACES EXCEPT CORR4. MINIMUM / 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. OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE. TEMPERATURE OVERRIDES: NONE.
ELECTRICAL:	NFPA HAZARD CLASSIFICATION: CLASS I DIVISION II UP TO 18" AFF IN VESTIBULES TO MAINTENANCE BAY AND WHERE SUITABLY CUT OFF CONDITION DOES NOT EXIST.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# CORR2

VESTIBULE	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / CIRCULATION
CATCode:	211 10
SPACE DESCRIPTION:	ENTRY VESTIBULE
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	LOCATE AT EACH EXTERIOR BUILDING ENTRANCE IN ADMIN AREAS. NOT REQUIRED AT SHOP SERVICE CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	NO MINIMUM STC. PARTITIONS: GWB. DOORS: 42"x84" GLAZED; PAIR AT PRIMARY ENTRANCE. GLAZED OPENINGS: PROVIDE GLAZED PARTITIONS (STOREFRONT OR CURTAINWALL) TO EXTERIOR AND INTERIOR. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: POLISHED CONCRETE. PROVIDE RECESSED WALK OFF MAT. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS

	SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP. USE REHEAT FOR TEMPERATURE CONTROL.</p> <p>IAW UFC 3-410-01 3-6.5 LOCATE EMERGENCY HVAC SHUTDOWN SWITCH(ES) IN VESTIBULE(S) OR ENTRANCE(S) OF THE BUILDING.</p> <p>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.</p> <p>AIR BALANCE: POSITIVE TO ALL SPACES EXCEPT CORR4.</p> <p>MINIMUM / MAXIMUM HUMIDITY: UNCONTROLLED.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 3-410-01 3-6.5.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 3-410-01 3-6.5.</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	<p>PROVIDE ACCESS CONTROL PROVISIONS AS REQUIRED BY INSTALLATION AND UNIT.</p> <p>EXTERIOR CONSTRUCTION TO COMPLY WITH UFC, INSTALLATION, AND PROJECT-SPECIFIC AT/FP REQUIREMENTS.</p>
AUDIO/VISUAL:	NONE.

# CORR3

<b>VESTIBULE</b>	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / CIRCULATION
CATCode:	211 10
SPACE DESCRIPTION:	STRUCTURAL SHOP AND BLADE/COMPOSITE ACCESS CORRIDOR
<b>FUNCTIONAL AND OPERATIONAL REQUIREMENTS:</b>	
ADJACENCIES:	LOCATE BETWEEN SHOP AND ADMIN.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	NO MINIMUM STC. PARTITIONS: GWB. DOORS: 36"x84" w/ NARROW VISION LITE. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: POLISHED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE w/ HOLD DOWN CLIPS. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: F NFPA OCCUPANCY: INDUSTRIAL SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SPECIALIZED SYSTEM REQUIRED PER UFC 4-211-01 CHAPTER 3.</p> <p>IAW UFC 3-410-01 3-6.5 LOCATE EMERGENCY HVAC SHUTDOWN SWITCH(ES) IN VESTIBULE(S) OR ENTRANCE(S) OF THE BUILDING.</p> <p>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.</p> <p>AIR BALANCE: POSITIVE TO BLADE/COMPOSITE SHOPS; NEGATIVE TO OTHER SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 3-410-01 3-6.5.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 (MANUFACTURING).</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# CORR5

SHOP SERVICE CORRIDOR	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / CIRCULATION
CATCode:	211 10
SPACE DESCRIPTION:	SERVICE CORRIDOR
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS FROM EXTERIOR SERVICE HARDSTAND, MAINTENANCE BAY AND HEAVY SHOPS (STRUCTURAL, POWERPLANT, POWERTRAIN AT A MINIMUM).
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	NO MINIMUM STC. PARTITIONS: CMU. DOORS: 36"x84" W/ NARROW VISION LITE. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 10'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: POLISHED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS AND FLOOR-MOUNTED CART RAILS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: F NFPA OCCUPANCY: INDUSTRIAL

	SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SPECIALIZED SYSTEM REQUIRED PER UFC 4-211-01 CHAPTER 3.</p> <p>IAW UFC 3-410-01 3-6.5 LOCATE EMERGENCY HVAC SHUTDOWN SWITCH(ES) IN VESTIBULE(S) OR ENTRANCE(S) OF THE BUILDING.</p> <p>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.</p> <p>AIR BALANCE: POSITIVE TO ALL SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 3-410-01 3-6.5.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 (MANUFACTURING).</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# ELEC1

PRIMARY ELECTRICAL ROOM	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / BUILDING SUPPORT
CATCode:	211 10
SPACE DESCRIPTION:	PRIMARY ELECTRICAL ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE EXTERIOR ACCESS.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 42"x84". GLAZED OPENINGS: NONE. MINIMUM VERTICAL CLEARANCE: 12'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: SEALED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: OPEN TO STRUCTURE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

	NO SPRINKLER PIPING SERVING OTHER SPACES ALLOWED IN THIS ROOM. AVOID LOCATING SPRINKLERS AND PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT.
PLUMBING:	NO PLUMBING ALLOWED ROUTED OVER ELECTRICAL ROOMS.
GASES / AIR:	NONE.
MECHANICAL:	<p>VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN.</p> <p>SUPPLY / EXHAUST: AS REQUIRED FOR AIR BALANCE, TEMPERATURE, AND HUMIDITY CONTROL.</p> <p>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.</p> <p>MINIMUM / MAXIMUM HUMIDITY: IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY USERS.</p> <p>MINIMUM TEMPERATURE (HEATING): 40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)</p> <p>MAXIMUM TEMPERATURE (COOLING): 10°F (5°C) ABOVE OUTSIDE AMBIENT IF UNCONDITIONED USING EXHAUST FAN. IF CONDITIONED, COMPLY WITH UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF IF NOT SUITABLY CUT OFF.
TELECOMMUNICATIONS:	VOIP WALL OUTLET.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# ELEC2

BRANCH ELECTRICAL ROOM	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / BUILDING SUPPORT
CATCode:	211 10
SPACE DESCRIPTION:	BRANCH ELECTRICAL ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO PRIMARY CORRIDORS.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84". GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 12'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: SEALED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE OR OPEN TO STRUCTURE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

	NO SPRINKLER PIPING SERVING OTHER SPACES ALLOWED IN THIS ROOM. AVOID LOCATING SPRINKLERS AND PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT.
PLUMBING:	NO PLUMBING ALLOWED ROUTED OVER ELECTRICAL ROOMS.
GASES / AIR:	NONE.
MECHANICAL:	<p>VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN. CONSIDER SPACE VOLUME IF NO CEILING IS PROVIDED.</p> <p>SUPPLY / EXHAUST: AS REQUIRED FOR AIR BALANCE, TEMPERATURE, AND HUMIDITY CONTROL.</p> <p>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.</p> <p>MINIMUM / MAXIMUM HUMIDITY: IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY USERS.</p> <p>MINIMUM TEMPERATURE (HEATING): 40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)</p> <p>MAXIMUM TEMPERATURE (COOLING): 10°F (5°C) ABOVE OUTSIDE AMBIENT IF UNCONDITIONED USING EXHAUST FAN. IF CONDITIONED, COMPLY WITH UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF IF NOT SUITABLY CUT OFF.
TELECOMMUNICATIONS:	VOIP WALL OUTLET.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# ELEV1

ELEVATOR	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / CIRCULATION
CATCode:	211 10
SPACE DESCRIPTION:	ELEVATOR / ELEVATOR SHAFT
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO PRIMARY CORRIDORS.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>MINIMUM STC RATING PER UFC 3-101-1.</p> <p>PARTITIONS: GWB.</p> <p>ENTRANCES: 42"x84" MINIMUM.</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM OVERHEAD CLEARANCE: 8'.</p> <p>ACCESSORIES: NONE.</p> <p>MUST ACCOMMODATE STRETCHER/GURNEY.</p> <p>INCLUDE HOISTWAY ENTRAPMENT ESCAPE ZONE REQUIRED BY UFC 3-490-06.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: RESILIENT TILE.</p> <p>WALL PROTECTION: PROVIDE PADS FOR WALLS.</p> <p>OTHER FINISHES PER UFC 3-490-06.</p>
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: B</p> <p>NFPA OCCUPANCY: BUSINESS</p> <p>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.</p>

	<p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p> <p>NO SPRINKLER PIPING SERVING OTHER SPACES ALLOWED IN HOISTWAY. AVOID LOCATING SPRINKLERS AND PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT.</p>
PLUMBING:	<p>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.</p>
GASES / AIR:	NONE.
MECHANICAL:	<p>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.</p> <p>NO DUCTWORK OR EQUIPMENT SERVING OTHER SPACES ALLOWED IN HOISTWAY.</p> <p>SUPPLY / EXHAUST: SEPARATE DEDICATED SYSTEM REQUIRED IN ELEVATOR MACHINE ROOMS BY ASME A117. NEGATIVE TO ADJACENT SPACES.</p> <p>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.</p> <p>MINIMUM / MAXIMUM HUMIDITY: UNCONTROLLED.</p> <p>MINIMUM TEMPERATURE (HEATING): 40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)</p> <p>MAXIMUM TEMPERATURE (COOLING): AS REQUIRED BY INSTALLED EQUIPMENT.</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NO CONDUIT OR EQUIPMENT SERVING OTHER SPACES ALLOWED IN HOISTWAY.
TELECOMMUNICATIONS:	NIPR, VOIP WALL OUTLET.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.



# FIRE1

PRIMARY FIRE SUPPRESSION ROOM	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / BUILDING SUPPORT
CATCode:	211 10
SPACE DESCRIPTION:	PRIMARY FIRE SUPPRESSION ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE EXTERIOR ACCESS.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB OR CMU. DOORS: PAIR 48"x96". GLAZED OPENINGS: NONE. MINIMUM VERTICAL CLEARANCE: 12'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: SEALED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: OPEN TO STRUCTURE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE 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.

	<p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p> <p>SIZE FOAM CONCENTRATE TANK TO FIT THROUGH 90" X 90" DOOR OPENING.</p>
PLUMBING:	<p>PROVIDE FLOOR DRAINS FOR WET PIPE RISERS. IAW UFC 4-211-02 PART 3-6.7.</p> <p>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.</p>
GASES / AIR:	NONE.
MECHANICAL:	<p>VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN.</p> <p>SUPPLY / EXHAUST: AS REQUIRED FOR AIR BALANCE, TEMPERATURE, AND HUMIDITY CONTROL. PROVIDE EXHAUST TO ACCOUNT FOR PUMPS' HEAT OF REJECTION <math>Q = \text{PUMP HP} / 2546 \times (1 - \text{EFFICIENCY}) = \text{BTU/H}</math>, <math>\text{CFM} = Q / (1.08 \times \Delta T)</math>, <math>\Delta T = 10^\circ\text{F}</math> - SYSTEM RUNS ONLY WHEN PUMPS RUN AS CONTROLLED BY ROOM THERMOSTAT SET AT 85°F (29°C)</p> <p>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.</p> <p>MINIMUM / MAXIMUM HUMIDITY: UNCONTROLLED.</p> <p>MINIMUM TEMPERATURE (HEATING): 40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)</p> <p>MAXIMUM TEMPERATURE (COOLING): SET TEMPERATURES NO LOWER THAN 85°F (29.4°C).</p> <p>OUTSIDE AIRFLOW: NONE REQUIRED EXCEPT EXHAUST MAKEUP VIA LOUVER DURING PUMP OPERATION.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF IF NOT SUITABLY CUT OFF.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# FIRE2

BRANCH FOAM MIXING ROOM	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / BUILDING SUPPORT
CATCode:	211 10
SPACE DESCRIPTION:	BRANCH FIRE FOAM MIXING ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO PRIMARY CORRIDORS.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB OR CMU. DOORS: 36"x84". GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 12'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: SEALED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE OR OPEN TO STRUCTURE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.

GASES / AIR:	NONE.
MECHANICAL:	<p>VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN. CONSIDER SPACE VOLUME IF NO CEILING IS PROVIDED.</p> <p>SUPPLY / EXHAUST: AS REQUIRED FOR AIR BALANCE, TEMPERATURE, AND HUMIDITY CONTROL.</p> <p>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.</p> <p>MINIMUM / MAXIMUM HUMIDITY: UNCONTROLLED.</p> <p>MINIMUM TEMPERATURE (HEATING): 40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)</p> <p>MAXIMUM TEMPERATURE (COOLING): NONE.</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF IF NOT SUITABLY CUT OFF.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# ITLS1

PRIMARY / BRANCH LIS EQUIPMENT / CABLING ROOM	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / BUILDING SUPPORT
CATCode:	211 10
SPACE DESCRIPTION:	LIS CABLING / EQUIPMENT ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO PRIMARY CORRIDORS OR PRODUCTION CONTROL WORKROOM.  PROVIDE ADDITIONAL LIS COMM ROOMS AS NEEDED TO COMPENSATE FOR CABLE LENGTH LIMITATION.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1.  PARTITIONS: GWB.  DOORS: 42"x84".  GLAZED OPENINGS: NONE.  MINIMUM OVERHEAD CLEARANCE: 12'-0" TO ALLOW PASSAGE OF CABLE TRAY / CABLING TO ABOVE ADJACENT CEILINGS WITHOUT PENETRATING LIS CABLING ROOM CEILING.  ACCESSORIES: NONE.
INTERIORS:	FINISHES:  FLOOR: RESILIENT TILE FOR PRIMARY LIS ROOM, SEALED CONCRETE FOR OTHERS.  BASE: RESILIENT.  WALLS: PAINTED.  CEILING: SUSPENDED ACOUSTIC TILE OR OPEN TO STRUCTURE.  HORIZONTAL MILLWORK: NONE.  VERTICAL MILLWORK: NONE.  WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	24" X 48" DESK AND TASK CHAIR IN PRIMARY ROOM; NONE IN OTHERS.

FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: B</p> <p>NFPA OCCUPANCY: BUSINESS</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p> <p>NO SPRINKLER PIPING SERVING OTHER SPACES ALLOWED IN THIS ROOM. AVOID LOCATING SPRINKLERS AND PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT.</p>
PLUMBING:	NO PLUMBING ALLOWED ROUTED OVER ELECTRICAL / TELECOMM ROOMS.
GASES / AIR:	NONE.
MECHANICAL:	<p>VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN. CONSIDER SPACE VOLUME IF NO CEILING IS PROVIDED.</p> <p>SUPPLY / EXHAUST: AS REQUIRED FOR AIR BALANCE, TEMPERATURE, AND HUMIDITY CONTROL.</p> <p>AIR BALANCE: NEGATIVE TO CORRIDOR, POSITIVE TO ALL SHOP SPACES, AND NEUTRAL TO OTHER ADMIN SPACES</p> <p>MINIMUM / 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.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p> <p>PROVIDE DEDICATED UNIT.</p> <p>ROUTE CONDENSATE FROM DEDICATED HVAC UNITS OUT OF COMM ROOMS.</p>
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF IF NOT SUITABLY CUT OFF.
TELECOMMUNICATIONS:	<p>NIPR/LIS.</p> <p>PROVIDE (1) 4" CONDUIT FROM LIS SERVER ROOM TO EXTERIOR VSAT ANTENNA LOCATION.</p>
SECURITY:	NONE; EQUIPMENT AND CABLING IN SPACE PROPERTY OF UNIT AND NOT UNDER CONTROL OF NEC.
AUDIO/VISUAL:	NONE.



# ITSPR

SIPR	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / BUILDING SUPPORT
CATCode:	211 10
SPACE DESCRIPTION:	SIPR TELECOMM ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	<p>PROVIDE DIRECT ACCESS TO PRIMARY CORRIDORS.</p> <p>PROVIDE ADDITIONAL SIPR COMM ROOMS AS NEEDED TO COMPENSATE FOR CABLE LENGTH LIMITATION.</p>
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>MINIMUM STC RATING PER UFC 3-101-1.</p> <p>PARTITIONS: GWB.</p> <p>DOORS: 36"x84".</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM OVERHEAD CLEARANCE: 12'-0" TO ALLOW PASSAGE OF CABLE TRAY / CABLING TO ABOVE ADJACENT CEILINGS WITHOUT PENETRATING SIPR CEILING.</p> <p>ACCESSORIES: NONE.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: SEALED CONCRETE.</p> <p>BASE: RESILIENT.</p> <p>WALLS: PAINTED.</p> <p>CEILING: SUSPENDED ACOUSTIC TILE OR OPEN TO STRUCTURE.</p> <p>HORIZONTAL MILLWORK: NONE.</p> <p>VERTICAL MILLWORK: NONE.</p> <p>WALL PROTECTION: NONE.</p>
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: B</p> <p>NFPA OCCUPANCY: BUSINESS</p>

	<p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p> <p>NO SPRINKLER PIPING SERVING OTHER SPACES ALLOWED IN THIS ROOM. AVOID LOCATING SPRINKLERS AND PIPING DIRECTLY ABOVE TELECOMM EQUIPMENT.</p>
PLUMBING:	NO PLUMBING ALLOWED ROUTED OVER ELECTRICAL / TELECOMM ROOMS.
GASES / AIR:	NONE.
MECHANICAL:	<p>PROVIDE DEDICATED UNIT.</p> <p>VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN. CONSIDER SPACE VOLUME IF NO CEILING IS PROVIDED.</p> <p>SUPPLY / EXHAUST: AS REQUIRED FOR AIR BALANCE, TEMPERATURE, AND HUMIDITY CONTROL.</p> <p>AIR BALANCE: SLIGHTLY POSITIVE TO ADJACENT SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY USERS.</p> <p>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).</p> <p>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).</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p> <p>ROUTE CONDENSATE FROM DEDICATED HVAC UNITS OUT OF COMM ROOMS. DUCTS EXCEEDING 96 SQ INCHES REQUIRE MANBARS/GRILLS/SOUND BAFFLES, DIELECTRIC BREAKS AT PENETRATIONS OF SECURE BOUNDARY WALLS IAW UFC 4-010-15.</p>
ELECTRICAL:	PROVIDE GROUNDING AND/OR DIELECTRIC BREAKS IN METAL CONDUIT AND PIPING PENETRATION SPACE IAW UFC 4-010-15.
TELECOMMUNICATIONS:	NIPR.
SECURITY:	<p>SECURITY LOCK SET, INTRUSION DETECTION, AND ACCESS CONTROL SYSTEMS.</p> <p>SECURE WALLS IN ACCORDANCE WITH ICD 705 OR OTHER APPLICABLE DIRECTIVES</p>
AUDIO/VISUAL:	NONE.



# ITTER

TELECOMM ENTRY ROOM (TER)	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / BUILDING SUPPORT
CATCode:	211 10
SPACE DESCRIPTION:	TELECOMM ENTRY ROOM (TER)
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO EXTERIOR. SPACE CAN ALSO SERVE AS TR IF PROVIDED WITH REQUIRED CLEARANCES AND AREA.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 42"x84". GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 12'-0" TO ALLOW PASSAGE OF CABLE TRAY / CABLING TO ABOVE ADJACENT CEILINGS WITHOUT PENETRATING OVERHEAD STRUCTURE. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: SEALED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: OPEN TO STRUCTURE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS

	<p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p> <p>NO SPRINKLER PIPING SERVING OTHER SPACES ALLOWED IN THIS ROOM. AVOID LOCATING SPRINKLERS AND PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT.</p>
PLUMBING:	NO PLUMBING ALLOWED ROUTED OVER ELECTRICAL / TELECOMM ROOMS.
GASES / AIR:	NONE.
MECHANICAL:	<p>PROVIDE DEDICATED UNIT.</p> <p>VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN. CONSIDER SPACE VOLUME IF NO CEILING IS PROVIDED.</p> <p>SUPPLY / EXHAUST: AS REQUIRED FOR AIR BALANCE, TEMPERATURE, AND HUMIDITY CONTROL.</p> <p>AIR BALANCE: SLIGHTLY POSITIVE TO ADJACENT SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY USERS.</p> <p>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).</p> <p>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).</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p> <p>ROUTE CONDENSATE FROM DEDICATED HVAC UNITS OUT OF COMM ROOMS.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NIPR.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# ITTR1

BRANCH TELECOMM ROOM (TR)	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / BUILDING SUPPORT
CATCode:	211 10
SPACE DESCRIPTION:	TELECOMM ROOM (TR)
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	<p>PROVIDE DIRECT ACCESS TO PRIMARY CORRIDORS.</p> <p>PROVIDE ADDITIONAL TRs AS NEEDED TO COMPENSATE FOR CABLE LENGTH LIMITATION.</p>
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>MINIMUM STC RATING PER UFC 3-101-1.</p> <p>PARTITIONS: GWB.</p> <p>DOORS: 36"x84".</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM OVERHEAD CLEARANCE: 12'-0" TO ALLOW PASSAGE OF CABLE TRAY / CABLING TO ABOVE ADJACENT CEILINGS WITHOUT PENETRATING TR CEILING.</p> <p>ACCESSORIES: NONE.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: SEALED CONCRETE.</p> <p>BASE: RESILIENT.</p> <p>WALLS: PAINTED.</p> <p>CEILING: SUSPENDED ACOUSTIC TILE OR OPEN TO STRUCTURE.</p> <p>HORIZONTAL MILLWORK: NONE.</p> <p>VERTICAL MILLWORK: NONE.</p> <p>WALL PROTECTION: NONE.</p>
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: B</p> <p>NFPA OCCUPANCY: BUSINESS</p>

	<p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p> <p>NO SPRINKLER PIPING SERVING OTHER SPACES ALLOWED IN THIS ROOM. AVOID LOCATING SPRINKLERS AND PIPING DIRECTLY ABOVE TELECOMM EQUIPMENT.</p>
PLUMBING:	NO PLUMBING ALLOWED ROUTED OVER ELECTRICAL / TELECOMM ROOMS.
GASES / AIR:	NONE.
MECHANICAL:	<p>PROVIDE DEDICATED UNIT.</p> <p>VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN. CONSIDER SPACE VOLUME IF NO CEILING IS PROVIDED.</p> <p>SUPPLY / EXHAUST: AS REQUIRED FOR AIR BALANCE, TEMPERATURE, AND HUMIDITY CONTROL.</p> <p>AIR BALANCE: NEGATIVE TO CORRIDOR, POSITIVE TO ALL SHOP SPACES, AND NEUTRAL TO OTHER ADMIN SPACES</p> <p>MINIMUM / 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.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p> <p>ROUTE CONDENSATE FROM DEDICATED HVAC UNITS OUT OF COMM ROOMS.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NIPR.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# JANC1

JANITOR CLOSET	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / COMMON AREA
CATCode:	211 10
SPACE DESCRIPTION:	JANITOR CLOSET
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO PRIMARY CORRIDORS. LOCATE WITH CLOSE PROXIMITY TO LATRINES.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 42"x84" OUT SWINGING. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: MOP RACK, PAPER TOWEL AND SOAP DISPENSERS.
INTERIORS:	FINISHES: FLOOR: RESINOUS EPOXY. BASE: INTEGRAL RESINOUS EPOXY. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS. PROVIDE 36" HIGH STAINLESS STEEL SPLASH PANEL ON WALL(S) ABOVE MOP SINK.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE

	SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	PROVIDE MOP SINK WITH UTILITY FAUCET WITH HOSE CONNECTION AND HOOK. PROVIDE FLOOR DRAIN.
GASES / AIR:	NONE.
MECHANICAL:	SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP. SUPPLY / EXHAUST: EXHAUST 1 CFM/SF OR 50 CFM, WHICHEVER GREATER. AIR BALANCE: NEGATIVE RELATIVE TO ADJACENT SPACES. MINIMUM / MAXIMUM HUMIDITY: / MAX SPACE 55°F (12.8°C) DEW POINT TEMPERATURE. 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: NONE. TEMPERATURE OVERRIDES: NONE.
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# LATR1

<b>LATRINE</b>	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / COMMON AREA
CATCode:	211 10
SPACE DESCRIPTION:	MULTIPLE FIXTURE LATRINE
<b>FUNCTIONAL AND OPERATIONAL REQUIREMENTS:</b>	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO PRIMARY CORRIDORS.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84". GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: RESINOUS EPOXY IN AREAS WITH FLOOR DRAINS, PORCELAIN OR EPOXY IN OTHERS. BASE: INTEGRAL RESINOUS EPOXY; PORCELAIN AT TILE. WALLS: PAINTED w/ TILE WAINSCOTTING AT WET WALLS. CEILING: SUSPENDED ACOUSTIC TILE w/ GWB ACCENTS AT DESIGNER'S DISCRETION. HORIZONTAL MILLWORK: SOLID SURFACING. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS

	SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	CONFIRM WALL OR FLOOR MOUNTED WATER CLOSETS WITH BASE/INSTALLATION. IF WALL MOUNTED, COORDINATE WITH ARCHITECTURAL TO ENSURE ADEQUATE CHASE DEPTH IS PROVIDED.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP.</p> <p>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.</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ADJACENT SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: NONE.</p> <p>MINIMUM TEMPERATURE (HEATING): SPACE TO FOLLOW ADJACENT SPACE CONTROL.</p> <p>MAXIMUM TEMPERATURE (COOLING): SPACE TO FOLLOW ADJACENT SPACE CONTROL.</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# MECH1

PRIMARY MECHANICAL ROOM	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / BUILDING SUPPORT
CATCode:	211 10
SPACE DESCRIPTION:	PRIMARY MECHANICAL ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO EXTERIOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB OR CMU. DOORS: PAIR 48"x96" SWINGING DOORS. GLAZED OPENINGS: NONE. MINIMUM CEILING HEIGHT / VERTICAL CLEARANCE: 12'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: SEALED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: OPEN TO STRUCTURE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

PLUMBING:	<p>PROVIDE IAW UFC 4-211-01. 3-5.5.2 WALL HYDRANTS AND HOSE BIBBS.</p> <p>PROVIDE MULTIPLE FLOOR DRAINS FOR EQUIPMENT DRAINS &amp; CONDENSATE.</p> <p>PROVIDE CONDENSATE NEUTRALIZER KITS FOR CONDENSING, NATURAL-GAS BOILER CONDENSATE.</p> <p>IN COLD OR DRY CLIMATES, PROVIDE TRAP PRIMERS ON FLOOR DRAINS.</p>
GASES / AIR:	NONE.
MECHANICAL:	<p>BUILDING PRIMARY MECHANICAL ROOM, TYPICALLY HOUSING COOLING AND HEATING PLANT EQUIPMENT AND WATERSIDE EQUIPMENT.</p> <p>REFRIGERANT LEAK DETECTION &amp; VENTILATION IAW ASHRAE 15 AS APPLICABLE.</p> <p>IN HOT AND HUMID CLIMATES, PROVIDE CONDITIONING.</p> <p>CONSIDER SPACE VOLUME AS NO CEILING IS PROVIDED.</p> <p>SUPPLY / EXHAUST: VENTILATION/EXHAUST FOR HEAT OF REJECTION LOADS. PROVIDE EXHAUST TO ACCOUNT FOR PUMP HEAT OF REJECTION <math>Q</math> (BTU/H) FOR ALL EQUIPMENT LOCATED IN SPACE, <math>CFM=Q/(1.08 \times \Delta T)</math>, <math>\Delta T=10^{\circ}F</math>. NO RETURN AIR FROM SPACE.</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ADJACENT SPACES, POSITIVE TO OUTDOORS IF CONDITIONED.</p> <p>MINIMUM / MAXIMUM HUMIDITY: NO MINIMUM / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE.</p> <p>MINIMUM TEMPERATURE (HEATING): 40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)</p> <p>MAXIMUM TEMPERATURE (COOLING): 10°F (5°C) ABOVE OUTSIDE AMBIENT IF UNCONDITIONED USING EXHAUST FAN. IF CONDITIONED, 85°F.</p> <p>OUTSIDE AIRFLOW: NONE EXCEPT DIRECT MAKEUP AIR FOR EXHAUST.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NIPR / VOIP WALL OUTLET.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# MECH2

BRANCH MECHANICAL ROOM	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / BUILDING SUPPORT
CATCode:	211 10
SPACE DESCRIPTION:	BRANCH MECHANICAL ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO EXTERIOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB OR CMU. DOORS: PAIR 48"x96" SWINGING DOORS TO EXTERIOR; 36"x84" TO INTERIOR AS NEEDED. GLAZED OPENINGS: NONE. MINIMUM CEILING HEIGHT / VERTICAL CLEARANCE: 12'. ACCESSORIES: NONE. PROVIDE SELF-CLOSING FALL PROTECTION GUARDS AT ABOVE-GRADE OPENINGS.
INTERIORS:	FINISHES: FLOOR: SEALED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: OPEN TO STRUCTURE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE

	<p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	<p>PROVIDE IAW UFC 4-211-01. 3-5.5.2 WALL HYDRANTS AND HOSE BIBBS.</p> <p>PROVIDE MULTIPLE FLOOR DRAINS FOR EQUIPMENT DRAINS &amp; CONDENSATE.</p> <p>IN COLD OR DRY CLIMATES, PROVIDE TRAP PRIMERS ON FLOOR DRAINS.</p>
GASES / AIR:	NONE.
MECHANICAL:	<p>AIR-HANDLING EQUIPMENT ROOM W/ HYDRONIC OR DX AHUS.</p> <p>REFRIGERANT LEAK DETECTION &amp; VENTILATION IAW ASHRAE 15 AS APPLICABLE.</p> <p>IN HOT AND HUMID CLIMATES, PROVIDE CONDITIONING.</p> <p>CONSIDER SPACE VOLUME AS NO CEILING IS PROVIDED.</p> <p>SUPPLY / EXHAUST: VENTILATION/EXHAUST FOR HEAT OF REJECTION LOADS. PROVIDE EXHAUST TO ACCOUNT FOR PUMP HEAT OF REJECTION <math>Q</math> (BTU/H) FOR ALL EQUIPMENT LOCATED IN SPACE, <math>CFM=Q/(1.08 \times \Delta T)</math>, <math>\Delta T=10^{\circ}F</math>. NO RETURN AIR FROM SPACE.</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ADJACENT SPACES, POSITIVE TO OUTDOORS IF CONDITIONED.</p> <p>MINIMUM / MAXIMUM HUMIDITY: NO MINIMUM / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE.</p> <p>MINIMUM TEMPERATURE (HEATING): 40°F (4.5°C) AT THE 99.6 PERCENT DRY BULB OUTDOOR DESIGN TEMPERATURE.</p> <p>MAXIMUM TEMPERATURE (COOLING): 10°F (5°C) ABOVE OUTSIDE AMBIENT IF UNCONDITIONED USING EXHAUST FAN. IF CONDITIONED, 85°F.</p> <p>OUTSIDE AIRFLOW: NONE EXCEPT DIRECT MAKEUP AIR FOR EXHAUST.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NIPR / VOIP WALL OUTLET.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# MECH3

COMPRESSOR ROOM	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / BUILDING SUPPORT
CATCode:	211 10
SPACE DESCRIPTION:	COMPRESSOR ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO EXTERIOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: PAIR 36"x84" SWINGING DOORS. GLAZED OPENINGS: NONE. MINIMUM CEILING HEIGHT / VERTICAL CLEARANCE: 12'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: SEALED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: OPEN TO STRUCTURE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

PLUMBING:	PROVIDE FLOOR DRAINS FOR EQUIPMENT DRAINS & CONDENSATE. IN COLD OR DRY CLIMATES, PROVIDE TRAP PRIMERS ON FLOOR DRAINS.
GASES / AIR:	NONE.
MECHANICAL:	<p>AIR COMPRESSOR ROOM. VENTILATED AND HEATED.</p> <p>CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN.</p> <p>COORDINATE ACCESS AND LOCKSET REQUIREMENTS WITH USERS IF USERS PROVIDE MAINTENANCE OF COMPRESSOR EQUIPMENT.</p> <p>CONSIDER SPACE VOLUME AS NO CEILING IS PROVIDED.</p> <p>SUPPLY / EXHAUST: VENTILATION/EXHAUST FOR HEAT OF REJECTION LOADS. PROVIDE EXHAUST TO ACCOUNT FOR PUMP HEAT OF REJECTION <math>Q</math> (BTU/H) FOR ALL EQUIPMENT LOCATED IN SPACE, <math>CFM=Q/(1.08 \times \Delta T)</math>, <math>\Delta T=10^{\circ}F</math>. NO RETURN AIR FROM SPACE.</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ADJACENT SPACES, POSITIVE TO OUTDOORS IF CONDITIONED.</p> <p>MINIMUM / MAXIMUM HUMIDITY: NO MINIMUM / <math>55^{\circ}F</math> (<math>12.8^{\circ}C</math>) MAXIMUM DEW POINT TEMPERATURE.</p> <p>MINIMUM TEMPERATURE (HEATING): <math>40^{\circ}F</math> (<math>4.5^{\circ}C</math>) AT THE 99.6 PERCENT DRY BULB OUTDOOR DESIGN TEMPERATURE.</p> <p>MAXIMUM TEMPERATURE (COOLING): <math>10^{\circ}F</math> (<math>5^{\circ}C</math>) ABOVE OUTSIDE AMBIENT IF UNCONDITIONED USING EXHAUST FAN. IF CONDITIONED, <math>85^{\circ}F</math>.</p> <p>OUTSIDE AIRFLOW: NONE EXCEPT DIRECT MAKEUP AIR FOR EXHAUST.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NIPR.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# MECH4

ELEVATOR EQUIPMENT ROOM	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / CIRCULATION
CATCode:	211 10
SPACE DESCRIPTION:	ELEVATOR EQUIPMENT ROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECTLY ADJACENT TO ELEVATOR HOISTWAY.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 42"x84". GLAZED OPENINGS: NONE. MINIMUM CEILING HEIGHT / VERTICAL CLEARANCE: 12'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: SEALED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE OR OPEN TO STRUCTURE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	NONE.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

	NO SPRINKLER PIPING SERVING OTHER SPACES ALLOWED IN THIS ROOM. AVOID LOCATING SPRINKLERS AND PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT.
PLUMBING:	NO PLUMBING ALLOWED ROUTED OVER ELECTRICAL ROOMS.
GASES / AIR:	NONE.
MECHANICAL:	<p>PROVIDE DEDICATED UNIT.</p> <p>VENTILATED AND HEATED. CONDITION SPACE IF REQUIRED FOR EQUIPMENT CONTAINED THEREIN. CONSIDER SPACE VOLUME IF NO CEILING IS PROVIDED.</p> <p>SUPPLY / EXHAUST: AS REQUIRED FOR AIR BALANCE, TEMPERATURE, AND HUMIDITY CONTROL.</p> <p>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.</p> <p>MINIMUM / MAXIMUM HUMIDITY: IAW UFC 3-580-01, PARAGRAPH 2-4.3 UNLESS NOTED OTHERWISE BY USERS.</p> <p>MINIMUM TEMPERATURE (HEATING): 40°F (5°C) AND SET NO HIGHER THAN 55°F (12°C)</p> <p>MAXIMUM TEMPERATURE (COOLING): 10°F (5°C) ABOVE OUTSIDE AMBIENT IF UNCONDITIONED USING EXHAUST FAN. IF CONDITIONED, COMPLY WITH UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF IF NOT SUITABLY CUT OFF.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# OFA01, OFA02, OFA04, OFFLO

OFFICE	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01B SHOP ADMIN OR FA02 AVIATION UNIT OPERATIONS / FA02B FLIGHT OPS
CATCode:	211 16 OR 141 12
SPACE DESCRIPTION:	OFA01: PRIVATE OFFICE OFA02: SEMI-PRIVATE OFFICE OFA04: TEAM OFFICE / WORKROOM OFFLO: FLIGHT OPERATIONS OFFICE
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	DIRECT ACCESS TO FLIGHT OPERATIONS WORKROOM @ OFFLO; AS REQUIRED @ OTHERS.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. SPECIAL CONSIDERATION REQUIRED @ OFFLO DUE TO PRESENCE OF SIPR. PARTITIONS: GWB. DOORS: 36"x84". GLAZED OPENINGS: BORROWED LIGHT @ OFA01, OFA02; NONE @ OFFLO; NARROW VISION LITE @ OFA04. MINIMUM CEILING HEIGHT / VERTICAL CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: CARPET @ OFA01, OFA02, OFFLO; RESILIENT TILE @ OFA04. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE.

	<p>VERTICAL MILLWORK: NONE.</p> <p>WALL PROTECTION: NONE.</p>
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: B</p> <p>NFPA OCCUPANCY: BUSINESS</p> <p>SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.</p> <p>AIR BALANCE: NEUTRAL.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 30% RH - SEE UFC 3-410-01, 3-5.3.3 / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	<p>NIPR.</p> <p>ADD LIS IN MAINTENANCE-RELATED OFFICES AS DIRECTED BY USER.</p> <p>ADD SIPR @ OFFLO.</p>
SECURITY:	SPECIAL CONSIDERATION REQUIRED @ OFFLO DUE TO PRESENCE OF SIPR.
AUDIO/VISUAL:	NONE.

# OFTCH

TECH SUPPLY OFFICE	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01F TECH SUPPLY
CATCode:	211 13
SPACE DESCRIPTION:	TECH SUPPLY OFFICE / WORKROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	INTERIOR: DIRECT ACCESS TO MAINTENANCE BAY AND TECH SUPPLY WAREHOUSE.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB MINIMUM. DOORS: 36"x84" w/ NARROW VISION LITE. GLAZED OPENINGS: NONE. MINIMUM CEILING HEIGHT / VERTICAL CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: POLISHED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: STAINLESS STEEL SERVICE COUNTER. VERTICAL MILLWORK: PLASTIC LAMINATE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

	AS NOTED FOR DIRECTLY COMMUNICATING SPACE TO BAY01
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.</p> <p>AIR BALANCE: NEUTRAL.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 30% RH - SEE UFC 3-410-01, 3-5.3.3 / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF WHERE SUITABLY CUT OFF CONDITION DOES NOT EXIST.
TELECOMMUNICATIONS:	NIPR / LIS.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# PPES1

PPE INITIAL ACCUMULATION POINT	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	AREA FOR DOFFING AND CLEANING OF CONTAMINATED PPE AND ACCESS TO TOILET / SHOWER
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO AIR SHOWER, DIRTY TOILET/SHOWER AND CLEAN LOCKER ROOM. PROVIDE INDIRECT ACCESS TO COMPOSITE SHOP AND BLADE SHOP THROUGH AIR SHOWER.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84". PROVIDE NARROW VISION LITE AT DOOR FROM STRUCTURAL SHOP TO CLEAN LOCKER ROOM. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: RESINOUS EPOXY. BASE: INTEGRAL RESINOUS EPOXY. WALLS: PAINTED w/ EPOXY PAINT. CEILING: GWB PAINTED w/ EPOXY PAINT. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: F

	<p>NFPA OCCUPANCY: INDUSTRIAL</p> <p>SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	<p>PROVIDE STAINLESS STEEL DEEP SINGLE COMPARTMENT SINK WITH SIDE DRAIN BOARD.</p>
GASES / AIR:	<p>NONE.</p>
MECHANICAL:	<p>SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP.</p> <p>PROVIDE PRE-ENGINEERED AIR SHOWER.</p> <p>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.</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ADJACENT SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: NONE.</p> <p>MINIMUM TEMPERATURE (HEATING): SPACE TO FOLLOW ADJACENT SPACE CONTROL.</p> <p>MAXIMUM TEMPERATURE (COOLING): SPACE TO FOLLOW ADJACENT SPACE CONTROL.</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	<p>NONE.</p>
TELECOMMUNICATIONS:	<p>NONE.</p>
SECURITY:	<p>NONE.</p>
AUDIO/VISUAL:	<p>NONE.</p>

# PPES2

PPE CLEAN LOCKER ROOM / ROBING	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	CLEAN LOCKER SPACE w/ ACCESS TO PRIVATE ROBING
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO INITIAL ACCUMULATION POINT, PRIVATE ROBING ROOM(S) AND STRUCTURAL SHOP.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84". PROVIDE NARROW VISION LITE IN DOORS TO STRUCTURAL SHOP AND INITIAL ACCUMULATION POINT. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: RESINOUS EPOXY. BASE: INTEGRAL RESINOUS EPOXY. WALLS: PAINTED w/ EPOXY PAINT. CEILING: GWB. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: F NFPA OCCUPANCY: INDUSTRIAL

	SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>PRESSURIZE SPACE LIKE AIRLOCK. NO RETURN AIR FROM SPACE.</p> <p>SUPPLY / EXHAUST: SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP. USE REHEAT FOR TEMPERATURE CONTROL. NO RETURN AIR.</p> <p>AIR BALANCE: POSITIVE RELATIVE TO ALL SURROUNDING SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: / MAXIMUM OF 55°F (12.8°C) DEW POINT. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR LAUNDRY ROOMS.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# SHBLA

<b>BLADE REPAIR SHOP</b>	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	SHOP SPACE FOR INSPECTION AND REPAIR OF AIRCRAFT ROTOR BLADES AND COMPONENTS OF PRIMARILY FIBERGLASS COMPOSITE
<b>FUNCTIONAL AND OPERATIONAL REQUIREMENTS:</b>	
ADJACENCIES:	PROVIDE INDIRECT ACCESS TO PPE INITIAL ACCUMULATION POINT THROUGH AIR SHOWER.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING: 45 FOR PARTITIONS AND SWINGING DOOR(S); MAXIMUM AVAILABLE FOR COILING DOOR.  PARTITIONS: CONCRETE OR CMU FOR BOTTOM 120".  DOORS: 96" x 120" OVERHEAD COILING DOOR TO MAINTENANCE BAY; 36"x84" PERSONNEL DOOR w/ NARROW VISION LITE TO AIR SHOWER ACCESS.  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".  GLAZED OPENINGS: NONE.  MINIMUM OVERHEAD CLEARANCE: 10'.  ACCESSORIES: NONE.
INTERIORS:	FINISHES:  FLOOR: 3-COAT FUEL RESISTANT RESINOUS EPOXY.  BASE: INTEGRAL RESINOUS EPOXY.  WALLS: PAINTED.  CEILING: OPEN TO STRUCTURE.  HORIZONTAL MILLWORK: NONE.  VERTICAL MILLWORK: NONE.

	<p>WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS; BOLLARDS AT COILING DOOR.</p>
FURNISHINGS / EQUIPMENT:	<p>REFER TO NOTIONAL PLAN.</p>
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: F</p> <p>NFPA OCCUPANCY: INDUSTRIAL</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	<p>EMERGENCY EYEWASH STATION WITH FLOOR DRAIN.</p>
GASES / AIR:	<p>PROVIDE (4) TOTAL COMPRESSED AIR DROPS (1) PER SHORT WALLS AND (2) ON LONGER WALL OPPOSITE ENTRY DOOR.</p> <p>PROVIDE DEDICATED ISOLATION VALVE IN SHOP.</p>
MECHANICAL:	<p>SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. 100% FILTERED EXHAUST IS REQUIRED.</p> <p>PROVIDE DEDICATED LOW-LEVEL EXHAUST OUTLETS SERVED BY OVERHEAD EXHAUST FAN WITH INLINE HEPA FILTRATION ON INLET SIDE OF FAN.</p> <p>COMPLY WITH INDICATED EXHAUST RATES BELOW UNLESS DICTATED HIGHER BY OTHER APPLICABLE REQUIREMENT.</p> <p>SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION.</p> <p>SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE.</p> <p>SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATING SPACES. NO RETURN AIR FROM SPACE.</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ALL SURROUNDING SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 55°F (12.8°C) MAXIMUM DEWPOINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.</p>

	TEMPERATURE OVERRIDES: PROVIDE AFTER-HOURS OVERRIDE CONTROLS TO PLACE SYSTEMS INTO "OCCUPIED" MODE FOR USER-ADJUSTABLE TIME PERIOD UP TO 4 HOURS.
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF. PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE. IN ADDITION TO NORMAL 120 RECEPTACLES, PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.
TELECOMMUNICATIONS:	WALL MOUNTED VOIP PHONE. PUBLIC ADDRESS SPEAKER COVERAGE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# SHCOM

COMPOSITE REPAIR SHOP	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	SHOP SPACE FOR INSPECTION AND REPAIR OF AIRCRAFT COMPONENTS OF PRIMARILY CARBON FIBER COMPOSITE
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE INDIRECT ACCESS TO PPE INITIAL ACCUMULATION POINT THROUGH AIR SHOWER.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING: 45 FOR PARTITIONS AND SWINGING DOOR(S); MAXIMUM AVAILABLE FOR COILING DOOR.  PARTITIONS: CONCRETE OR CMU FOR BOTTOM 120".  DOORS: 96" x 120" OVERHEAD COILING DOOR TO MAINTENANCE BAY; 36"x84" PERSONNEL DOOR w/ NARROW VISION LITE TO AIR SHOWER ACCESS.  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".  GLAZED OPENINGS: NONE.  MINIMUM OVERHEAD CLEARANCE: 10'.  ACCESSORIES: NONE.
INTERIORS:	FINISHES:  FLOOR: 3-COAT FUEL RESISTANT RESINOUS EPOXY.  BASE: INTEGRAL RESINOUS EPOXY.  WALLS: PAINTED.  CEILING: SUSPENDED ACOUSTIC TILE w/ FIBERGLASS SUPPORT GRID.  HORIZONTAL MILLWORK: NONE.  VERTICAL MILLWORK: NONE.

	<p>WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS; BOLLARDS AT COILING DOOR.</p>
FURNISHINGS / EQUIPMENT:	<p>REFER TO NOTIONAL PLAN.</p>
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: F</p> <p>NFPA OCCUPANCY: INDUSTRIAL</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	<p>EMERGENCY EYEWASH STATION WITH FLOOR DRAIN.</p>
GASES / AIR:	<p>PROVIDE (2) TOTAL COMPRESSED AIR DROPS; (1) EACH CLEAN AND DIRTY SIDE OF SPACE.</p> <p>PROVIDE DEDICATED ISOLATION VALVE IN SHOP.</p>
MECHANICAL:	<p>SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. 100% FILTERED EXHAUST IS REQUIRED.</p> <p>PROVIDE DEDICATED EXHAUST SYSTEM SERVED BY OVERHEAD EXHAUST FAN WITH INLINE HEPA FILTRATION ON INLET SIDE OF FAN.</p> <p>BACK DRAFT EXHAUST HOOD REQUIRED FOR ADHESIVE MIXING.</p> <p>COMPLY WITH INDICATED EXHAUST RATES BELOW UNLESS DICTATED HIGHER BY OTHER APPLICABLE REQUIREMENT.</p> <p>SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION.</p> <p>SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE.</p> <p>SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATING SPACES. NO RETURN AIR FROM SPACE.</p> <p>AIR BALANCE: INTERNAL CROSS FLOW REQUIREMENT – EXHAUST DIRTY SIDE WITH ALL SUPPLY AIR ENTERING ROOM ON CLEAN SIDE. NET NEGATIVE TO ACCESS CORRIDOR.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 55°F (12.8°C) MAXIMUM DEWPOINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p>

	<p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.</p> <p>TEMPERATURE OVERRIDES: PROVIDE AFTER-HOURS OVERRIDE CONTROLS TO PLACE SYSTEMS INTO "OCCUPIED" MODE FOR USER-ADJUSTABLE TIME PERIOD UP TO 4 HOURS.</p>
ELECTRICAL:	<p>CLASS I DIVISION II UP TO 18" AFF.</p> <p>PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE.</p> <p>IN ADDITION TO NORMAL 120 RECEPTACLES, PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.</p>
TELECOMMUNICATIONS:	<p>WALL MOUNTED VOIP PHONE. PUBLIC ADDRESS SPEAKER COVERAGE.</p>
SECURITY:	<p>NONE.</p>
AUDIO/VISUAL:	<p>NONE.</p>

# SHEAV

## ELECTRICAL / AVIONICS REPAIR SHOP (EITHER COMBINED OR SEPARATE)

FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	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
<b>FUNCTIONAL AND OPERATIONAL REQUIREMENTS:</b>	
ADJACENCIES:	<p>PROVIDE INDIRECT ACCESS TO MAINTENANCE BAY THROUGH INTERIOR CORRIDORS.</p> <p>PROVIDE DIRECT OR NEAR-ADJACENT ACCESS TO AIRCRAFT MOUNTED SYSTEMS VAULT.</p>
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>MINIMUM STC RATING: 40.</p> <p>PARTITIONS: GWB.</p> <p>DOORS: 42"x84" w/ NARROW VISION LITE.</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM OVERHEAD CLEARANCE: 10'.</p> <p>ACCESSORIES: NONE.</p> <p>PROVIDE LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC. WITH 12'-6" x 8'-6" CLEAR INSIDE DIMENSION.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: STATIC DISSIPATIVE TILE / SHEET.</p> <p>BASE: RESILIENT.</p> <p>WALLS: PAINTED.</p> <p>CEILING: SUSPENDED ACOUSTIC TILE.</p> <p>HORIZONTAL MILLWORK: NONE.</p> <p>VERTICAL MILLWORK: NONE.</p>

	WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: F NFPA OCCUPANCY: INDUSTRIAL SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	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  SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION.  SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE.  SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATING SPACES. NO RETURN AIR FROM SPACE.  AIR BALANCE: NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS.  MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 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.  OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.  TEMPERATURE OVERRIDES: NONE.
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF WHERE NOT SUITABLY CUT OFF. PROVIDE GROUNDING BAR AT EACH WORKBENCH.
TELECOMMUNICATIONS:	NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.

SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# SHGND

GROUND COMMUNICATIONS SHOP	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	SHOP SPACE PROVIDES FOR INSPECTION AND REPAIR OF GROUND COMMUNICATIONS EQUIPMENT
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE INDIRECT ACCESS TO MAINTENANCE BAY THROUGH INTERIOR CORRIDORS. LOCATE NEAR ELECTRICAL, AVIONICS SHOP(S).
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING: 40. PARTITIONS: GWB. DOORS: 42"x84" w/ NARROW VISION LITE. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE. PROVIDE LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC. WITH 8'-6" x 8'-6" CLEAR INSIDE DIMENSION.
INTERIORS:	FINISHES: FLOOR: STATIC DISSIPATIVE TILE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.

FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: F</p> <p>NFPA OCCUPANCY: INDUSTRIAL</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>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.</p> <p>SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.</p> <p>AIR BALANCE: NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 55°F (12.8°C) MAXIMUM DEWPOINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	<p>CLASS I DIVISION II UP TO 18" AFF WHERE NOT SUITABLY CUT OFF.</p> <p>PROVIDE GROUNDING BAR AT EACH WORKBENCH.</p>
TELECOMMUNICATIONS:	<p>NIPR/LIS AT EACH WORKBENCH/WORKSTATION.</p> <p>PUBLIC ADDRESS SPEAKER COVERAGE.</p>
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# SHNDI

NON-DESTRUCTIVE TESTING ROOM	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	DARK ROOM FOR FLUORESCENT PENETRANT PARTS INSPECTION
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO POWERTRAIN SHOP.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>CONSTRUCT THE ROOM AS A DARK ROOM TO PREVENT LIGHT ENTERING FROM ADJACENT SPACES OR EXTERIOR.</p> <p>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".</p> <p>MINIMUM STC RATING: 40.</p> <p>PARTITIONS: GWB OR CMU.</p> <p>DOORS: 42"x84".</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM OVERHEAD CLEARANCE: 9'.</p> <p>ACCESSORIES: NONE.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: 3-COAT EPOXY.</p> <p>BASE: INTEGRAL EPOXY.</p> <p>WALLS: PAINTED.</p> <p>CEILING: SUSPENDED ACOUSTIC TILE.</p> <p>HORIZONTAL MILLWORK: NONE.</p> <p>VERTICAL MILLWORK: NONE.</p> <p>WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS.</p>
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.

FIRE PROTECTION:	IBC USE/CLASSIFICATION: F NFPA OCCUPANCY: INDUSTRIAL SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. 3-5.3.1.3 AVIONICS/ELECTRICAL REPAIR EXHAUST INCLUDING BACK SHELF EXHAUST HOOD REQUIRED AT TX03 IAW INDUSTRIAL VENTILATION.  SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.  AIR BALANCE: NEGATIVE TO ADJACENT SPACES.  MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 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.  OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR MANUFACTURING.  TEMPERATURE OVERRIDES: NONE.
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF WHERE NOT SUITABLY CUT OFF. SPECIAL POWER REQUIREMENTS FOR EQUIPMENT; 480V, 208V, ETC.
TELECOMMUNICATIONS:	PUBLIC ADDRESS SPEAKER COVERAGE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# SHNVG

NIGHT VISION DEVICE SHOP	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	SHOP SPACE FOR INSPECTION AND REPAIR OF NIGHT VISION DEVICES
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO PRIMARY CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING: 40. PARTITIONS: GWB. DOORS: 42"x84" w/ NARROW VISION LITE. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: POLISHED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: F NFPA OCCUPANCY: INDUSTRIAL SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.</p> <p>AIR BALANCE: NEGATIVE TO ADJACENT SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 55°F (12.8°C) MAXIMUM DEWPOINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	<p>CLASS I DIVISION II UP TO 18" AFF WHERE NOT SUITABLY CUT OFF.</p> <p>PROVIDE GROUNDING BAR AT EACH WORKBENCH.</p>
TELECOMMUNICATIONS:	<p>NIPR/LIS AT EACH WORKBENCH/WORKSTATION.</p> <p>PUBLIC ADDRESS SPEAKER COVERAGE.</p>
SECURITY:	<p>NONE. NVG DEVICES TO BE STORED IN AIRCRAFT MOUNTED SYSTEMS VAULT DURING REPAIR OR IN FLIGHT OPERATIONS SECURE STORAGE WHEN OPERATIONAL.</p>
AUDIO/VISUAL:	NONE.

# SHPNE

<b>PNEUDRAULICS SHOP</b>	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	SHOP SPACE FOR REPAIR, TESTING, AND FABRICATION OF PNEUDRAULIC COMPONENTS AND SYSTEMS
<b>FUNCTIONAL AND OPERATIONAL REQUIREMENTS:</b>	
ADJACENCIES:	PROVIDE INDIRECT ACCESS TO MAINTENANCE BAY THROUGH INTERIOR CORRIDORS.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING: 40. PARTITIONS: GWB. DOORS: 36"x84" w/ NARROW VISION LITE. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: PAPER TOWEL AND SOAP DISPENSERS. PROVIDE LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC. WITH 8'-6" x 8'-6" CLEAR INSIDE DIMENSION.
INTERIORS:	FINISHES: FLOOR: 3-COAT FUEL RESISTANT RESINOUS EPOXY. BASE: INTEGRAL RESINOUS EPOXY. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.

FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: F</p> <p>NFPA OCCUPANCY: INDUSTRIAL</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	<p>PROVIDE COMBINATION EMERGENCY EYEWASH AND SHOWER STATION WITH FLOOR DRAIN.</p> <p>PROVIDE ONE (1) STAINLESS STEEL SERVICE SINK WITH POINT OF USE OIL INTERCEPTOR OR CONNECT TO OIL/WATER SEPARATOR.</p>
GASES / AIR:	<p>PROVIDE ONE (1) COMPRESSED AIR DROP. LOCATE NEAR HOSE TESTING WORKBENCHES.</p> <p>PROVIDE DEDICATED ISOLATION VALVE IN SHOP.</p>
MECHANICAL:	<p>SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3.</p> <p>SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.</p> <p>AIR BALANCE: NEGATIVE TO CORRIDOR; POSITIVE TO BAY01.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 55°F (12.8°C) MAXIMUM DEWPOINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	<p>CLASS I DIVISION II UP TO 18" AFF WHERE NOT SUITABLY CUT OFF.</p> <p>PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE.</p> <p>IN ADDITION TO NORMAL 120 RECEPTACLES, PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.</p>
TELECOMMUNICATIONS:	<p>NIPR/LIS AT EACH WORKBENCH/WORKSTATION.</p> <p>PUBLIC ADDRESS SPEAKER COVERAGE.</p>
SECURITY:	<p>NONE.</p>
AUDIO/VISUAL:	<p>NONE.</p>



# SHPWP

POWER PLANT SHOP	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	SHOP SPACE FOR INSPECTION AND REPAIR OF TURBINE ENGINES
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE INDIRECT ACCESS TO MAINTENANCE BAY THROUGH SERVICE CORRIDOR.
SITE:	NONE.
STRUCTURAL:	SUPPORT FOR BRIDGE CRANE.
ARCHITECTURAL:	MINIMUM STC RATING: 40 FOR PARTITIONS AND SWINGING DOOR(S); MAXIMUM AVAILABLE FOR COILING DOOR.  PARTITIONS: CONCRETE OR CMU FOR BOTTOM 120" OF WALLS.  DOORS: 96" x 120" OVERHEAD COILING DOOR; 36"x84" PERSONNEL DOOR w/ NARROW VISION LITE.  GLAZED OPENINGS: NONE.  MINIMUM OVERHEAD CLEARANCE: 15'-0" MIN. OR AS REQUIRED TO ACCOMMODATE 12'-0" BRIDGE CRANE HOOK HEIGHT.  ACCESSORIES: PAPER TOWEL AND SOAP DISPENSERS.  PROVIDE LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC. WITH 12'-6" x 8'-6" CLEAR INSIDE DIMENSION.
INTERIORS:	FINISHES:  FLOOR: 3-COAT FUEL RESISTANT RESINOUS EPOXY.  BASE: INTEGRAL RESINOUS EPOXY.  WALLS: PAINTED.  CEILING: OPEN TO STRUCTURE.  HORIZONTAL MILLWORK: NONE.  VERTICAL MILLWORK: NONE.  WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS; BOLLARDS AT COILING DOOR.

FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: F NFPA OCCUPANCY: INDUSTRIAL SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	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.
GASES / AIR:	PROVIDE TWO (2) COMPRESSED AIR DROPS ACCESSIBLE TO EACH GROUPING OF WORKBENCHES. CAN BE WALL MOUNTED OR OVERHEAD REEL.  PROVIDE DEDICATED ISOLATION VALVE IN SHOP.
MECHANICAL:	SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3.  SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.  AIR BALANCE: NEGATIVE TO SERVICE CORRIDOR; POSITIVE OR NEUTRAL TO OUTDOORS.  MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 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.  OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.  TEMPERATURE OVERRIDES: NONE.  2-TON BRIDGE CRANE WITH 12' MINIMUM HOOK HEIGHT.
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF WHERE NOT SUITABLY CUT OFF.  PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE.  IN ADDITION TO NORMAL 120 RECEPTACLES, PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.

TELECOMMUNICATIONS:	NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# SHPWT

<b>POWER TRAIN SHOP</b>	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	SHOP SPACE FOR INSPECTION AND, REPAIR OF TRANSMISSION AND ROTOR ASSEMBLIES
<b>FUNCTIONAL AND OPERATIONAL REQUIREMENTS:</b>	
ADJACENCIES:	<p>PROVIDE INDIRECT ACCESS TO MAINTENANCE BAY THROUGH SERVICE CORRIDOR.</p> <p>PROVIDE DIRECT ACCESS TO NDI ROOM.</p>
SITE:	NONE.
STRUCTURAL:	SUPPORT FOR BRIDGE CRANE.
ARCHITECTURAL:	<p>MINIMUM STC RATING: 40 FOR PARTITIONS AND SWINGING DOOR(S); MAXIMUM AVAILABLE FOR COILING DOOR.</p> <p>PARTITIONS: CONCRETE OR CMU FOR BOTTOM 120" OF WALLS.</p> <p>DOORS: 96" x 120" OVERHEAD COILING DOOR; 36"x84" PERSONNEL DOOR w/ NARROW VISION LITE.</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM OVERHEAD CLEARANCE: 15'-0" MIN. OR AS REQUIRED TO ACCOMMODATE 12'-0" BRIDGE CRANE HOOK HEIGHT.</p> <p>ACCESSORIES: PAPER TOWEL AND SOAP DISPENSERS.</p> <p>PROVIDE LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC. WITH 12'-6" x 8'-6" CLEAR INSIDE DIMENSION.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: 3-COAT FUEL RESISTANT RESINOUS EPOXY.</p> <p>BASE: INTEGRAL RESINOUS EPOXY.</p> <p>WALLS: PAINTED.</p> <p>CEILING: OPEN TO STRUCTURE.</p> <p>HORIZONTAL MILLWORK: NONE.</p> <p>VERTICAL MILLWORK: NONE.</p>

	<p>WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS; BOLLARDS AT COILING DOOR.</p>
FURNISHINGS / EQUIPMENT:	<p>REFER TO NOTIONAL PLAN.</p>
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: F</p> <p>NFPA OCCUPANCY: INDUSTRIAL</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	<p>PROVIDE COMBINATION EMERGENCY EYEWASH AND SHOWER STATION WITH FLOOR DRAIN.</p> <p>PROVIDE ONE (1) STAINLESS STEEL SERVICE SINK WITH POINT OF USE OIL INTERCEPTOR OR CONNECT TO OIL/WATER SEPARATOR.</p>
GASES / AIR:	<p>PROVIDE TWO (2) COMPRESSED AIR DROPS ACCESSIBLE TO EACH GROUPING OF WORKBENCHES. CAN BE WALL MOUNTED OR OVERHEAD REEL.</p> <p>PROVIDE DEDICATED ISOLATION VALVE IN SHOP.</p>
MECHANICAL:	<p>SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3.</p> <p>SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.</p> <p>AIR BALANCE: NEGATIVE TO SERVICE CORRIDOR; POSITIVE OR NEUTRAL TO OUTDOORS.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 55°F (12.8°C) MAXIMUM DEWPOINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.</p> <p>TEMPERATURE OVERRIDES: NONE.</p> <p>2-TON BRIDGE CRANE WITH 12' MINIMUM HOOK HEIGHT.</p>
ELECTRICAL:	<p>CLASS I DIVISION II UP TO 18" AFF WHERE NOT SUITABLY CUT OFF.</p> <p>PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE.</p>

	IN ADDITION TO NORMAL 120 RECEPTACLES, PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.
TELECOMMUNICATIONS:	NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# SHSTR

STRUCTURAL SHOP	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	SHOP SPACE FOR METAL AND COMPOSITE MATERIAL FABRICATION AND REPAIR
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE INDIRECT ACCESS TO MAINTENANCE BAY THROUGH SERVICE CORRIDORS. PROVIDE DIRECT ACCESS TO PPE CLEAN LOCKER ROOM.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING: 40 FOR PARTITIONS AND SWINGING DOOR(S); MAXIMUM AVAILABLE FOR COILING DOOR. PARTITIONS: CONCRETE OR CMU FOR BOTTOM 120" OF WALLS. DOORS: 96" x 120" OVERHEAD COILING DOOR; 36"x84" PERSONNEL DOOR w/ NARROW VISION LITE. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 10'-0". ACCESSORIES: PAPER TOWEL AND SOAP DISPENSERS. PROVIDE LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC. WITH 12'-6" x 8'-6" CLEAR INSIDE DIMENSION.
INTERIORS:	FINISHES: FLOOR: 3-COAT FUEL RESISTANT RESINOUS EPOXY. BASE: INTEGRAL RESINOUS EPOXY. WALLS: PAINTED. CEILING: OPEN TO STRUCTURE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS; BOLLARDS AT COILING DOOR.

FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: F NFPA OCCUPANCY: INDUSTRIAL SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	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.
GASES / AIR:	PROVIDE ONE (1) COMPRESSED AIR DROP ACCESSIBLE TO EACH GROUPING OF WORKBENCHES. CAN BE WALL MOUNTED OR OVERHEAD REEL.  PROVIDE DEDICATED ISOLATION VALVE IN SHOP.
MECHANICAL:	SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3.  PROVIDE DEDICATED EXHAUST FOR TABLETOP PAINT STATION.  SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.  AIR BALANCE: NEGATIVE TO SERVICE CORRIDOR; POSITIVE OR NEUTRAL TO OUTDOORS.  MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 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.  OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.  TEMPERATURE OVERRIDES: NONE.  2-TON BRIDGE CRANE WITH 12' MINIMUM HOOK HEIGHT.
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF WHERE NOT SUITABLY CUT OFF.  PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE.

	<p>PROVIDE CEILING MOUNTED RETRACTABLE POWER REEL AT EACH WORKBENCH AND WORKTABLE.</p> <p>IN ADDITION TO NORMAL 120 RECEPTACLES, PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.</p>
TELECOMMUNICATIONS:	<p>NIPR/LIS AT EACH WORKBENCH/WORKSTATION.</p> <p>VOIP PHONE.</p> <p>PUBLIC ADDRESS SPEAKER COVERAGE.</p>
SECURITY:	<p>NONE.</p>
AUDIO/VISUAL:	<p>NONE.</p>

# SHSYS

## SYSTEMS / ARMAMENT SHOP

FUNCTIONAL AREA:		FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:		211 16
SPACE DESCRIPTION:		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 SYSTEMS / ARMAMENT, ELECTRICAL AND AVIONICS SHOPS.
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:		
ADJACENCIES:		PROVIDE INDIRECT ACCESS TO MAINTENANCE BAY THROUGH INTERIOR CORRIDORS.  PROVIDE DIRECT OR NEAR-ADJACENT ACCESS TO AIRCRAFT MOUNTED SYSTEMS VAULT.
SITE:		NONE.
STRUCTURAL:		NONE.
ARCHITECTURAL:		MINIMUM STC RATING: 40.  PARTITIONS: GWB.  DOORS: 42"x84" w/ NARROW VISION LITE.  GLAZED OPENINGS: NONE.  MINIMUM OVERHEAD CLEARANCE: 10'.  ACCESSORIES: NONE.  PROVIDE LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, TEST EQUIPMENT, ETC. WITH 12'-6" x 8'-6" CLEAR INSIDE DIMENSION.
INTERIORS:		FINISHES:  FLOOR: STATIC DISSIPATIVE TILE / SHEET.  BASE: RESILIENT.  WALLS: PAINTED.  CEILING: SUSPENDED ACOUSTIC TILE.  HORIZONTAL MILLWORK: NONE.

	<p>VERTICAL MILLWORK: NONE.</p> <p>WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS.</p>
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: F</p> <p>NFPA OCCUPANCY: INDUSTRIAL</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	EMERGENCY EYEWASH STATION WITH FLOOR DRAIN.
GASES / AIR:	PROVIDE (2) TOTAL COMPRESSED AIR DROPS; (1) EACH CLEAN AND DIRTY SIDE OF SPACE.
MECHANICAL:	<p>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</p> <p>SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION.</p> <p>SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE.</p> <p>SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATING SPACES. NO RETURN AIR FROM SPACE.</p> <p>AIR BALANCE: NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 55°F (12.8°C) MAXIMUM DEWPOINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR MANUFACTURING OR AS REQUIRED TO REPLACE EXHAUST AIRSTREAM.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	<p>CLASS I DIVISION II UP TO 18" AFF WHERE NOT SUITABLY CUT OFF.</p> <p>PROVIDE GROUNDING BAR AT EACH WORKBENCH.</p>

TELECOMMUNICATIONS:	NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PUBLIC ADDRESS SPEAKER COVERAGE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# SHWEL

MACHINE / WELDING SHOP	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	SHOP SPACE FOR REPAIR OF AIRCRAFT COMPONENTS REQUIRING MACHINING AND WELDING PROCESSES
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE INDIRECT ACCESS TO MAINTENANCE BAY AND EXTERIOR COVERED WELDING AREA THROUGH SERVICE CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>IF CAD/CAM PROCESSES ARE PRESENT, DIVIDE CAD/CAM MACHINE SPACE FOR ACOUSTIC AND NFPA HAZARD SEPARATION.</p> <p>MINIMUM STC RATING: 45 FOR PARTITIONS AND SWINGING DOOR(S); MAXIMUM AVAILABLE FOR COILING DOOR.</p> <p>PARTITIONS: CONCRETE OR CMU FOR BOTTOM 120".</p> <p>DOORS: PAIR 42"x84" PERSONNEL DOOR w/ NARROW VISION LITE.</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM OVERHEAD CLEARANCE: 10' MIN. CONSIDER CAD/CAM MACHINERY IF PRESENT.</p> <p>ACCESSORIES: NONE.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: POLISHED CONCRETE.</p> <p>BASE: NONE.</p> <p>WALLS: PAINTED.</p> <p>CEILING: OPEN TO STRUCTURE.</p> <p>HORIZONTAL MILLWORK: NONE.</p> <p>VERTICAL MILLWORK: NONE.</p> <p>WALL PROTECTION: SURFACE APPLIED STAINLESS STEEL CORNER GUARDS ON ALL EXPOSED CORNERS.</p>

FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: F NFPA OCCUPANCY: INDUSTRIAL SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.
GASES / AIR:	COORDINATE PERMANENT UTILITIES FOR SPECIALIZED EQUIPMENT SUCH AS CNC MACHINERY WITH UNIT.
MECHANICAL:	SPECIALIZED EXHAUST SYSTEM REQUIRED IAW UFC 4-211-01 CHAPTER 3. PROVIDE WELDING EXHAUST IAW ACGIH INDUSTRIAL VENTILATION MANUAL & OSHA REQUIREMENTS. CONSIDER SPECIAL LOADS IF CAD/CAM MACHINERY PRESENT. SUPPLY / EXHAUST: EXHAUST 0.5 CFM/SF OR AS REQUIRED FOR INDUSTRIAL VENTILATION. SUPPLY AIR AS REQUIRED FOR MAKEUP AIRFLOW TO ALL EXHAUST INLETS IN SPACE. SUPPLY AIRFLOW MUST NOT TURN DOWN BELOW THE REQUIREMENTS OF THE EXHAUST AIRFLOW BY MORE THAN THE AIRFLOW AVAILABLE FROM ANY COMMUNICATING SPACES. NO RETURN AIR FROM SPACE. AIR BALANCE: NEGATIVE TO CORRIDOR. POSITIVE OR NEUTRAL TO OUTDOORS. MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - IAW UFC 4-211-01, 3-5.2.3 / 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. 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:	CLASS I DIVISION II UP TO 18" AFF.

	<p>PROVIDE LOCAL DEDICATED 208/120V PANEL TO SERVE ALL LOADS IN THIS SPACE.</p> <p>IN ADDITION TO NORMAL 120 RECEPTACLES, PROVIDE ONE (1) 208/3/30A RECEPTACLE ON EACH SIDE WALL.</p> <p>PROVIDE GROUNDING BAR AT EACH WELDING STATION.</p>
TELECOMMUNICATIONS:	PUBLIC ADDRESS SPEAKER COVERAGE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# SHWR1

SHOWER / LOCKER ROOM	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / COMMON AREA
CATCode:	211 10
SPACE DESCRIPTION:	MULTIPLE FIXTURE SHOWER ROOM WITH LOCKERS
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS FROM LATRINE.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84" OR OPEN. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: RESINOUS EPOXY. BASE: INTEGRAL RESINOUS EPOXY. WALLS: EPOXY PAINT; TILE IN WET AREAS AROUND SHOWERS. CEILING: EPOXY PAINT ON GWB. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

PLUMBING:	PROVIDE LINEAR FLOOR DRAINS.
GASES / AIR:	NONE.
MECHANICAL:	<p>LOCATE SUPPLY AIR DIFFUSERS NEAR ENTRY DOOR. LOCATE EXHAUST GRILLES OVER SHOWER(S).</p> <p>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.</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ADJACENT SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: / MAX SPACE 55°F (12.8°C) DEW POINT.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# SLCOM

<b>BREAK ROOM</b>	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / COMMON AREA
CATCode:	141 12
SPACE DESCRIPTION:	COMMON BREAK / TRAINING ROOM
<b>FUNCTIONAL AND OPERATIONAL REQUIREMENTS:</b>	
ADJACENCIES:	DIRECT ACCESS TO PRIMARY CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84" w/ NARROW VISION LITE. GLAZED OPENINGS: PROVIDE BORROWED LITE TO PRIMARY CORRIDOR. MINIMUM OVERHEAD CLEARANCE: 10'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: RESILIENT TILE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE HORIZONTAL MILLWORK: SOLID SURFACE. VERTICAL MILLWORK: PLASTIC LAMINATE. WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS. MINIMIZE QUANTITY OF CASEWORK.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS

	<p>SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p> <p>IF SPACE EXCEEDS 750 SF, SEPARATE FROM REMAINDER OF FACILITY WITH FIRE PARTITIONS AND PROVIDE INDEPENDENT EXITING PER IBC FOR SEPARATED OCCUPANCIES.</p>
PLUMBING:	<p>PROVIDE TWO COMPARTMENT STAINLESS STEEL SINK.</p> <p>PROVIDE COLD WATER LINES WITH DUAL-CHECK BACK-FLOW PREVENTION TO ICE MAKERS, REFRIGERATORS, AND VENDING MACHINES AS REQUIRED.</p>
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: SUPPLY AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE. EXHAUST IAW ASHRAE 62.1 (KITCHENETTE).</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ALL ADMIN AND CORRIDOR SPACES, POSITIVE RELATIVE TO ALL SHOP SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 30% RH - SEE UFC 3-410-01, 3-5.3.3 / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR BREAK ROOMS.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	PROVIDE DEDICATED ELECTRICAL OUTLETS FOR COUNTERTOP APPLIANCES, VENDING MACHINES, COMPUTERS, PRINTERS
TELECOMMUNICATIONS:	PROVIDE NIPR AT COMPUTER BASED TRAINING STATION(S).
SECURITY:	NONE.
AUDIO/VISUAL:	PROVIDE (2) TV MOUNTS WITH POWER, CABLE AND DATA OUTLETS

# SLEP1

MEDEVAC SLEEP ROOM	
FUNCTIONAL AREA:	FA02 AVIATION UNIT OPERATIONS / FA02A MEDEVAC READY AREA
CATCode:	141 12
SPACE DESCRIPTION:	SLEEPING ROOM FOR DUTY MEDEVAC CREWS
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	INDIRECT ACCESS FROM MEDEVAC READY ROOM.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84". GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 8'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: RESILIENT TILE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: R-2 NFPA OCCUPANCY: RESIDENTIAL SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.

GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: SUPPLY AIR AS NEEDED FOR COOLING/HEATING. NO EXHAUST.</p> <p>AIR BALANCE: POSITIVE OR NEUTRAL TO ALL LIVING SPACES.</p> <p>MINIMUM / 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.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR BEDROOMS.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	PROVIDE LOCKABLE DOOR.
AUDIO/VISUAL:	NONE.

# SLLAC

LACTATION ROOM	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / COMMON AREA
CATCode:	211 10
SPACE DESCRIPTION:	LACTATION SPACE PER UFC 1-200-01 PARA 1-4.2
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	DIRECT ACCESS TO PRIMARY CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>MINIMUM STC RATING PER UFC 3-101-1.</p> <p>PARTITIONS: GWB.</p> <p>DOORS: 36"x84".</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM CEILING HEIGHT / VERTICAL CLEARANCE: 8'</p> <p>ACCESSORIES: PAPER TOWEL AND SOAP DISPENSERS.</p> <p>PROVIDE 72" LF (MINIMUM) OF COUNTERTOP WITH SPACE FOR UNDER-COUNTER REFRIGERATOR. NO CASEWORK REQUIRED.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: CARPET.</p> <p>BASE: RESILIENT.</p> <p>WALLS: PAINTED.</p> <p>CEILING: SUSPENDED ACOUSTIC TILE.</p> <p>HORIZONTAL MILLWORK: SOLID SURFACE.</p> <p>VERTICAL MILLWORK: NONE.</p> <p>WALL PROTECTION: NONE.</p>
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: B</p> <p>NFPA OCCUPANCY: BUSINESS</p>

	SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	PROVIDE SINGLE COMPARTMENT STAINLESS STEEL SINK.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.</p> <p>AIR BALANCE: NEGATIVE TO CORRIDOR.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 30% RH - SEE UFC 3-410-01, 3-5.3.3 / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	PROVIDE ELECTRICAL OUTLETS ABOVE COUNTER AND BELOW FOR UNDER-COUNTER REFRIGERATOR.
TELECOMMUNICATIONS:	NONE.
SECURITY:	PROVIDE LOCKABLE DOOR w/ PRIVACY INDICATOR.
AUDIO/VISUAL:	NONE.

# SLMED

MEDEVAC BREAK/KITCHENETTE	
FUNCTIONAL AREA:	FA02 AVIATION UNIT OPERATIONS / FA02A MEDEVAC READY AREA
CATCode:	141 12
SPACE DESCRIPTION:	BREAK ROOM IN MEDEVAC AREA
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	DIRECT ACCESS TO PRIMARY CORRIDOR, MEDEVAC EQUIPMENT / SUPPLY AND INDIRECT ACCESS TO MEDEVAC SLEEPING ROOMS AND TOILET/SHOWER.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>MINIMUM STC RATING PER UFC 3-101-1.</p> <p>PARTITIONS: GWB.</p> <p>DOORS: 36"x84" w/ NARROW VISION LITE.</p> <p>GLAZED OPENINGS: PROVIDE BORROWED LITE TO PRIMARY CORRIDOR.</p> <p>MINIMUM OVERHEAD CLEARANCE: 9'.</p> <p>ACCESSORIES: PAPER TOWEL AND SOAP DISPENSERS.</p> <p>PROVIDE 72" LF (MINIMUM) OF COUNTERTOP WITH SPACE FOR MIN. 14CF REFRIGERATOR</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: RESILIENT TILE.</p> <p>BASE: RESILIENT.</p> <p>WALLS: PAINTED.</p> <p>CEILING: SUSPENDED ACOUSTIC TILE</p> <p>HORIZONTAL MILLWORK: SOLID SURFACE.</p> <p>VERTICAL MILLWORK: PLASTIC LAMINATE.</p> <p>WALL PROTECTION: PROVIDE STAINLESS STEEL CORNER GUARDS ON ALL OUTSIDE CORNERS.</p> <p>MINIMIZE QUANTITY OF CASEWORK.</p>
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.

FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: B</p> <p>NFPA OCCUPANCY: BUSINESS</p> <p>SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p> <p>IF SPACE EXCEEDS 750 SF, SEPARATE FROM REMAINDER OF FACILITY WITH FIRE PARTITIONS AND PROVIDE INDEPENDENT EXITING PER IBC FOR SEPARATED OCCUPANCIES.</p>
PLUMBING:	<p>PROVIDE TWO COMPARTMENT STAINLESS STEEL SINK.</p> <p>PROVIDE COLD WATER LINE WITH DUAL-CHECK BACK-FLOW PREVENTION TO REFRIGERATOR.</p>
GASES / AIR:	<p>NONE.</p>
MECHANICAL:	<p>LOCATE EXHAUST INLET NEAR MICROWAVE OVEN OR SINK IF NO MICROWAVE.</p> <p>SUPPLY / EXHAUST: SUPPLY AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE. EXHAUST IAW ASHRAE 62.1 (KITCHENETTE).</p> <p>AIR BALANCE: NEGATIVE RELATIVE TO ALL ADMIN AND CORRIDOR SPACES, POSITIVE RELATIVE TO ALL SHOP SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 20%/30% RH - SEE UFC 3-410-01, 3-5.2.3 / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR BREAK ROOMS.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	<p>PROVIDE DEDICATED ELECTRICAL OUTLETS FOR COUNTERTOP APPLIANCES, REFRIGERATOR</p>
TELECOMMUNICATIONS:	<p>NONE.</p>
SECURITY:	<p>NONE.</p>
AUDIO/VISUAL:	<p>PROVIDE (1) TV MOUNT WITH POWER, CABLE AND DATA OUTLETS</p>

# STAIR

STAIR	
FUNCTIONAL AREA:	NET-TO-GROSS AREA / CIRCULATION
CATCode:	211 10
SPACE DESCRIPTION:	COMMON STAIR
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO PRIMARY CORRIDORS AND EXTERIOR AT LEVEL OF EXIT DISCHARGE.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84" MIN. w/ NARROW VISION LITES. GLAZED OPENINGS: TO EXTERIOR RECOMMENDED. MINIMUM OVERHEAD CLEARANCE: 9' @ TOP LANDING. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: POLISHED CONCRETE @ FLOORS, RUBBER TILE @ LANDINGS, TREADS, RISERS. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>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.</p> <p>SUPPLY / EXHAUST: INTERNAL TO STAIRWELL AS REQUIRED TO HEAT (AND COOL IF THERE IS GLAZING) SPACE.</p> <p>AIR BALANCE: NON-COMMUNICATING WITH ANY OTHER BUILDING HVAC.</p> <p>MINIMUM / MAXIMUM HUMIDITY: / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): NONE.</p> <p>MAXIMUM TEMPERATURE (COOLING): NONE.</p> <p>OUTSIDE AIRFLOW: NONE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# TECH1

<b>TECH SUPPLY WAREHOUSE</b>	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS /FA01F TECH SUPPLY
CATCode:	211 13
SPACE DESCRIPTION:	SPACE FOR RECEIVING, STORING, AND ISSUING OF CLASS IX (AIR), PLL, BENCH STOCK, AND SHOP STOCK
<b>FUNCTIONAL AND OPERATIONAL REQUIREMENTS:</b>	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO MAINTENANCE BAY.
SITE:	PROVIDE DIRECT ACCESS TO NON-AIR SIDE HARDSTAND FOR TRUCK DELIVERIES AND ISSUANCE. IN FIELD HEAVY AND SUSTAINMENT ORGANIZATIONS, PROVIDE DIRECT ACCESS TO EXTERIOR COVERED PARTS STORAGE.
STRUCTURAL:	MINIMIZE COLUMNS.
ARCHITECTURAL:	<p>MINIMUM STC RATING PER UFC 3-101.1.</p> <p>PARTITIONS: PROVIDE CONCRETE OR CMU FOR BOTTOM 120" OF WALLS.</p> <p>DOORS: 36"x84" MIN. w/ NARROW VISION LITE TO TECH SUPPLY OFFICE AND EXTERIOR; 120" X 120" OVERHEAD COILING DOORS TO MAINTENANCE BAY AND EXTERIOR.</p> <p>GLAZED OPENINGS: NONE REQUIRED BUT ARE DESIRABLE.</p> <p>MAXIMUM OVERHEAD CLEARANCE: 12' (ALLOWS FOR TOP OF HIGHEST ELEMENT TO BE 10'-6"; HIGH STACK STORAGE NOT REQUIRED OR ALLOWED).</p> <p>ACCESSORIES: NONE.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: POLISHED CONCRETE.</p> <p>BASE: RESILIENT.</p> <p>WALLS: PAINTED.</p> <p>CEILING: MOISTURE-RESISTANT CEILING AT 12'-0".</p> <p>HORIZONTAL MILLWORK: NONE.</p> <p>VERTICAL MILLWORK: NONE.</p>
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.

FIRE PROTECTION:	DO NOT CLASSIFY THIS SPACE AS HIGH-HAZARD. IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	EXTERIOR HOSE BIBB NEAR ACCESS DOOR. EMERGENCY SHOWER/EYEWASH W/FLOOR DRAIN TO ACID WASTE CAPTURE SYSTEM FOR FORKLIFT BATTERY CHARGING, IF APPLICABLE.
GASES / AIR:	PROVIDE (1) COMPRESSED AIR DROP. COORDINATE LOCATION WITH UNIT. PROVIDE DEDICATED ISOLATION VALVE WITHIN THE SPACE.
MECHANICAL:	INDEPENDENTLY CONDITIONED AND HUMIDITY CONTROLLED. SUPPLY / EXHAUST: AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE. PROVIDE LOCAL EXHAUST FOR FORKLIFT CHARGING WHERE APPLICABLE / POSITIVE TO BAY01, NEUTRAL OR NEGATIVE TO OFTCH1 AIR BALANCE: NON-COMMUNICATING WITH ANY OTHER BUILDING HVAC. MINIMUM / 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. OUTSIDE AIRFLOW: IAW ASHRAE 62.1 (WAREHOUSE). TEMPERATURE OVERRIDES: NONE.
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF. PROVIDE ONE (1) 240/3/30A RECEPTACLE FOR FORKLIFT CHARGING IF APPLICABLE.
TELECOMMUNICATIONS:	NIPR/LIS AT EACH WORKBENCH/WORKSTATION. PROVIDE ONE (1) VOICE DROP NEAR EXTERIOR ENTRANCE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# TLTS1

SINGLE-USER TOILET / SHOWER	
FUNCTIONAL AREA:	VARIES
CATCode:	VARIES
SPACE DESCRIPTION:	SINGLE FIXTURE TOILET / SHOWER WITHIN PPE DIRTY ZONE, SHOP AREA, MEDEVAC READY AREA
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PPE SUITE: PROVIDE DIRECT ACCESS TO INITIAL ACCUMULATION POINT; SHOP AREA: PROVIDE DIRECT ACCESS TO SHOP CORRIDOR; MEDEVAC: PROVIDE DIRECT ACCESS TO MEDEVAC SLEEPING AREA AND BREAK ROOM.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84". GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: MIRROR, PAPER TOWEL AND SOAP DISPENSERS; CLOTHING AND TOWEL HOOKS; PORTABLE BENCH; SOAP SHELF IN SHOWER.
INTERIORS:	FINISHES: FLOOR: RESINOUS EPOXY. BASE: INTEGRAL RESINOUS EPOXY. WALLS: PAINTED w/ EPOXY PAINT. CEILING: GWB PAINTED w/ EPOXY PAINT. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.

FIRE PROTECTION:	IBC USE/CLASSIFICATION: F NFPA OCCUPANCY: INDUSTRIAL SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	PROVIDE TOILET, LAVATORY AND SHOWER COMPARTMENT. PROVIDE FLOOR DRAIN.
GASES / AIR:	NONE.
MECHANICAL:	SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP. SUPPLY / EXHAUST: 70 CFM EXHAUST. NO RETURN AIR. AIR BALANCE: NEGATIVE RELATIVE TO ADJACENT SPACES. MINIMUM / 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:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# TLTU1

SINGLE-USER TOILET	
FUNCTIONAL AREA:	FA03 NET-TO-GROSS AREA /FA03A COMMON AREA
CATCode:	211 10
SPACE DESCRIPTION:	SINGLE FIXTURE TOILET
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO PRIMARY CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84". GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: MIRROR, PAPER TOWEL AND SOAP DISPENSERS, CLOTHING HOOKS.
INTERIORS:	FINISHES: FLOOR: RESINOUS EPOXY. BASE: INTEGRAL RESINOUS EPOXY. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

PLUMBING:	PROVIDE TOILET, LAVATORY. PROVIDE FLOOR DRAIN.
GASES / AIR:	NONE.
MECHANICAL:	SUPPLY AIR TO MAINTAIN PRESSURE RELATIONSHIP. SUPPLY / EXHAUST: 70 CFM EXHAUST. NO RETURN AIR. AIR BALANCE: NEGATIVE RELATIVE TO ADJACENT SPACES. MINIMUM / 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:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# TOOL1

SPECIAL TOOLS	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01C MAINTENANCE SUPPORT
CATCode:	211 16
SPACE DESCRIPTION:	SECURE STORAGE AND CONTROL OF SPECIAL TOOLS ASSOCIATED WITH THE MAINTENANCE OF AIRCRAFT AND COMPONENTS.
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS TO MAINTENANCE BAY AND SECONDARY MEANS OF EGRESS PER UFC 4-211-01. LOCATE WITH NEAR ADJACENCY TO
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	PROVIDE SERVICE COUNTER WITH INTEGRATED BASE CABINETS AND KNEE SPACE. MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84" MIN. w/ NARROW VISION LITE TO MAINTENANCE BAY AND SECONDARY EGRESS; PAIR 48"x96" TO MAINTENANCE BAY FOR MOVEMENT OF LARGE COMPONENTS. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 10'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: POLISHED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: STAINLESS STEEL. VERTICAL MILLWORK: PLASTIC LAMINATE CLAD. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.

FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	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.
GASES / AIR:	PROVIDE ONE (1) COMPRESSED AIR DROP NEAR WORKBENCH.
MECHANICAL:	SUPPLY / EXHAUST: SUPPLY AIR AS REQUIRED FOR HEATING, COOLING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST STRINGENT / EXHAUST 0.5 CFM/SF. AIR BALANCE: NEGATIVE TO CORRIDOR. MINIMUM / 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. OUTSIDE AIRFLOW: IAW ASHRAE 62.1 (WAREHOUSE). TEMPERATURE OVERRIDES: NONE.
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF.
TELECOMMUNICATIONS:	NIPR / LIS @ SERVICE COUNTER AND WORKSTATION.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# UCCOM

## UNIT COMMUNICATIONS / NBC STORAGE

FUNCTIONAL AREA:	FA02 AVIATION UNIT OPERATIONS / FA02D COMPANY OPERATIONS READINESS MODULE
CATCode:	141 12
SPACE DESCRIPTION:	COMPANY-LEVEL GROUND COMMUNICATIONS / CBRN EQUIPMENT STORAGE
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS FROM UNIT SUPPLY ROOM.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING: NONE. PARTITIONS: GWB, WIRE MESH PARTITION. DOORS: 36"x84" WIRE MESH, SLIDING OR SWINGING. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 10'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: POLISHED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE

	SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: SUPPLY AIR AS REQUIRED FOR HEATING, COOLING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST STRINGENT.</p> <p>AIR BALANCE: OPEN TO ADJACENT SPACE.</p> <p>MINIMUM / 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.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 (WAREHOUSE).</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	PADLOCK ABLE DOOR.
AUDIO/VISUAL:	NONE.

# UCGEN

GENERAL STORAGE	
FUNCTIONAL AREA:	VARIES
CATCode:	VARIES
SPACE DESCRIPTION:	GENERAL STORAGE FOR SUPPLIES AND EQUIPMENT
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS FROM PRIMARY CORRIDOR OR SPACE SERVED.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>MINIMUM STC RATING PER UFC 3-101-1.</p> <p>PARTITIONS: GWB.</p> <p>DOORS: 42"x84" MINIMUM; PROVIDE PAIR 36"x84" AT PILOT BRIEFING ROOM STORAGE.</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM OVERHEAD CLEARANCE: 9'</p> <p>ACCESSORIES: NONE.</p>
INTERIORS:	<p>FINISHES: FOLLOW ADJACENT SERVED SPACE.</p> <p>FLOOR: -.</p> <p>BASE: -.</p> <p>WALLS: -.</p> <p>CEILING: -.</p> <p>HORIZONTAL MILLWORK: -.</p> <p>VERTICAL MILLWORK: -.</p> <p>WALL PROTECTION: PROVIDE 48" HIGH PLASTIC WALL SHEETING.</p>
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: ACCESSORY TO SERVED SPACE</p> <p>NFPA OCCUPANCY: ACCESSORY TO SERVED SPACE</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>

PLUMBING:	NONE
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: SUPPLY AIR AS REQUIRED FOR HEATING, COOLING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST STRINGENT.</p> <p>AIR BALANCE: NEGATIVE TO ADJACENT SPACE.</p> <p>MINIMUM / 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.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 (WAREHOUSE).</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# UCNSS

UNIT NON-SENSITIVE SECURE STORAGE	
FUNCTIONAL AREA:	VARIES
CATCode:	VARIES
SPACE DESCRIPTION:	STORAGE FOR UNIT NON-SENSITIVE SUPPLIES AND EQUIPMENT
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS FROM SPACE SERVED.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>MINIMUM STC RATING PER UFC 3-101-1.</p> <p>PARTITIONS: GWB. SEE SECURITY REQUIREMENTS BELOW.</p> <p>DOORS: 36"x84" MINIMUM. SEE SECURITY REQUIREMENTS BELOW.</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM OVERHEAD CLEARANCE: 9'.</p> <p>ACCESSORIES: NONE.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: FOLLOW SPACE SERVED.</p> <p>BASE: RESILIENT.</p> <p>WALLS: PAINTED.</p> <p>CEILING: SUSPENDED ACOUSTIC TILE.</p> <p>HORIZONTAL MILLWORK: NONE.</p> <p>VERTICAL MILLWORK: NONE.</p> <p>WALL PROTECTION: PROVIDE 48" HIGH PLASTIC WALL SHEETING.</p>
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: S-1</p> <p>NFPA OCCUPANCY: STORAGE</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>

PLUMBING:	NONE
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: SUPPLY AIR AS REQUIRED FOR HEATING, COOLING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST STRINGENT.</p> <p>AIR BALANCE: NEGATIVE TO ADJACENT SPACE.</p> <p>MINIMUM / 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.</p> <p>MINIMUM TEMPERATURE (HEATING): FOLLOW SPACE SERVED.</p> <p>MAXIMUM TEMPERATURE (COOLING): FOLLOW SPACE SERVED.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 (WAREHOUSE).</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NONE.
SECURITY:	<p>BUILD NON-SENSITIVE SECURE STORAGE TO MEET SECURE STORAGE STANDARDS FOR RISK LEVEL II IN ACCORDANCE WITH AR 190-51, SECURITY OF UNCLASSIFIED ARMY PROPERTY.</p> <p>THIS ROOM MUST BE CONSTRUCTED OF MATERIAL TO PREVENT FORCIBLE ENTRY. THE MINIMUM ACCEPTABLE CONSTRUCTION IS EXPANDED STEEL FABRIC BEHIND IMPACT RESISTANT GYPSUM BOARD AT ALL WALLS AND CEILING.</p> <p>THE DOOR MUST PROVIDE AN EQUIVALENT DEGREE OF SECURITY, AND AS A MINIMUM BE CONSTRUCTED OF SHEET METAL MATERIAL NOT LESS THAN 16-GAUGE IN THICKNESS AND BE EQUIPPED WITH A HIGH SECURITY LOCK.</p> <p>DUCTS EXCEEDING 96 SQ INCHES REQUIRE MANBARS/GRILLS FOR METALLIC PENETRATIONS IAW UFC 4-010-015.</p> <p>CONFIRM IF HIGHER RISK CATEGORY REQUIRED WITH BASE SECURITY OFFICE.</p> <p>CONFIRM REQUIREMENT FOR INTRUSION DETECTION AND ACCESS CONTROL SYSTEM.</p>
AUDIO/VISUAL:	NONE.

# UCUNI

UNIT SUPPLY STORAGE	
FUNCTIONAL AREA:	FA02 AVIATION UNIT OPERATIONS / FA02D COMPANY OPERATIONS READINESS MODULE
CATCode:	141 12
SPACE DESCRIPTION:	STORAGE FOR UNIT SUPPLIES AND EQUIPMENT
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS FROM PRIMARY CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 42"x84". GLAZED OPENINGS: NONE REQUIRED BUT DESIRABLE. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: POLISHED CONCRETE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: PROVIDE 48" HIGH PLASTIC WALL SHEETING.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1 NFPA OCCUPANCY: STORAGE SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.

PLUMBING:	NONE
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: SUPPLY AIR AS REQUIRED FOR HEATING, COOLING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST STRINGENT.</p> <p>AIR BALANCE: NEUTRAL EXCEPT NEGATIVE TO CORR1.</p> <p>MINIMUM / 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.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 (WAREHOUSE).</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NIPR.
SECURITY:	CONSTRUCT ROOM TO COMPLY WITH AR-190-51 AND 190-13.
AUDIO/VISUAL:	NONE.

# VALT1

<b>UNIT ARMS ROOM</b>	
FUNCTIONAL AREA:	FA02 AVIATION UNIT OPERATIONS / FA02D COMPANY OPERATIONS READINESS MODULE
CATCode:	141 12
SPACE DESCRIPTION:	INDIVIDUAL AND CREW SERVED ARMS VAULT
<b>FUNCTIONAL AND OPERATIONAL REQUIREMENTS:</b>	
ADJACENCIES:	PROVIDE DIRECT ACCESS FROM PRIMARY CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	PREFERENCE IS TO PROVIDE A SINGLE COMBINED ARMS VAULT IN MULTI-COMPANY/SUBUNIT ORGANIZATIONS WITH INDIVIDUAL WIRE MESH CAGES FOR EACH SUBUNIT.  MINIMUM STC RATING PER UFC 3-101-1.  PARTITIONS: CONCRETE.  DOORS: STANDARD GSA ARMORY.  GLAZED OPENINGS: NONE.  MINIMUM OVERHEAD CLEARANCE: 10'-8".  ACCESSORIES: NONE.
INTERIORS:	FINISHES:  FLOOR: POLISHED CONCRETE.  BASE: NONE.  WALLS: PAINTED.  CEILING: EXPOSED STRUCTURE.  HORIZONTAL MILLWORK: NONE.  VERTICAL MILLWORK: NONE.  WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: S-1

	<p>NFPA OCCUPANCY: STORAGE</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	NONE
GASES / AIR:	NONE.
MECHANICAL:	<p>PROVIDE SPARK RESISTANT FANS WITH EXPLOSION PROOF MOTORS.</p> <p>SUPPLY / EXHAUST: SUPPLY AIR AS REQUIRED FOR HEATING, COOLING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST STRINGENT.</p> <p>AIR BALANCE: NEGATIVE TO CORRIDOR.</p> <p>MINIMUM / MAXIMUM HUMIDITY: IAW UFC 4-215-01, TABLE 4-12.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-215-01, TABLE 4-12.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-215-01, TABLE 4-12.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 (WAREHOUSE) OR AS REQUIRED TO MAKEUP EXHAUST.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NIPR.
SECURITY:	<p>SECURITY LOCK SET, INTRUSION DETECTION, AND ACCESS CONTROL SYSTEMS.</p> <p>CONSTRUCT IN ACCORDANCE WITH UFC 4-215-01 &amp; AR 190-11, APPENDIX G.</p> <p>PROVIDE GSA APPROVED CLASS 5 ARMORY DOOR PER GSA FEDERAL SPECIFICATION AA-D-600D(4) WITH A DUTCH-STYLE DAY GATE WITH ISSUE PORT</p> <p>PROVIDE ISSUE COUNTER/TABLE IN OPEN AREAS.</p>
AUDIO/VISUAL:	NONE.

# VALT2

AIRCRAFT MOUNTED SYSTEMS / COMSEC VAULT	
FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS / FA01D COMPONENT REPAIR SHOPS
CATCode:	211 16
SPACE DESCRIPTION:	VAULT FOR STORAGE OF CONTROLLED PORTIONS OF AIRCRAFT MOUNTED SYSTEMS (WEAPONS & COMPONENTS, COMSEC EQUIPMENT REMOVED FROM AIRCRAFT, ETC.) WHILE IN SHOP FOR REPAIR
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	PROVIDE DIRECT ACCESS FROM ELECTRICAL / AVIONICS SHOP IN FIELD LIGHT ORGANIZATION HANGARS; FROM PRIMARY CORRIDOR IN FIELD HEAVY AND SUSTAINMENT ORGANIZATION HANGARS.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: CONCRETE. DOORS: STANDARD GSA ARMORY. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 10'-8". ACCESSORIES: NONE.
INTERIORS:	FINISHES: FLOOR: POLISHED CONCRETE. BASE: NONE. WALLS: PAINTED. CEILING: EXPOSED STRUCTURE. HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: F

	<p>NFPA OCCUPANCY: INDUSTRIAL</p> <p>SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	NONE
GASES / AIR:	NONE.
MECHANICAL:	<p>PROVIDE SPARK RESISTANT FANS WITH EXPLOSION PROOF MOTORS.</p> <p>SUPPLY / EXHAUST: SUPPLY AIR AS REQUIRED FOR HEATING, COOLING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST STRINGENT.</p> <p>AIR BALANCE: NEGATIVE TO CORRIDOR.</p> <p>MINIMUM / MAXIMUM HUMIDITY: IAW UFC 4-215-01, TABLE 4-12.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-215-01, TABLE 4-12.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-215-01, TABLE 4-12.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 (WAREHOUSE) OR AS REQUIRED TO MAKEUP EXHAUST.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NIPR.
SECURITY:	<p>SECURITY LOCK SET, INTRUSION DETECTION, AND ACCESS CONTROL SYSTEMS.</p> <p>CONSTRUCT IN ACCORDANCE WITH UFC 4-215-01 &amp; AR 190-11, APPENDIX G.</p> <p>PROVIDE GSA APPROVED CLASS 5 ARMORY DOOR PER GSA FEDERAL SPECIFICATION AA-D-600D(4) WITH A DUTCH-STYLE DAY GATE WITH ISSUE PORT</p> <p>PROVIDE ISSUE COUNTER/TABLE IN OPEN AREAS.</p>
AUDIO/VISUAL:	NONE.

# WRCRW

## CREW CHIEF / MAINTENANCE SECTION, PLATOON WORKROOM

FUNCTIONAL AREA:	FA01 MAINTENANCE OPERATIONS /FA01C MAINTENANCE SUPPORT
CATCode:	211 16
SPACE DESCRIPTION:	WORKROOM AREA FOR CREW CHIEFS OR MAINTENANCE SECTION / PLATOON PERSONNEL
<b>FUNCTIONAL AND OPERATIONAL REQUIREMENTS:</b>	
ADJACENCIES:	DIRECT ACCESS TO MAINTENANCE BAY WITH SECONDARY EGRESS PER UFC 4-211-01.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>MINIMUM STC RATING PER UFC 3-101-1.</p> <p>PARTITIONS: GWB.</p> <p>DOORS: 42"x84" TO MAINTENANCE BAY; 36"x84" SECONDARY MEANS OF EGRESS, ALL w/ NARROW VISION LITE.</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM OVERHEAD CLEARANCE: 10'.</p> <p>ACCESSORIES: NONE.</p> <p>PROVIDE LOCKABLE WIRE CAGE ENCLOSURE FOR STORAGE OF TOOLS, ETC. WITH 12'-6" x 8'-6" CLEAR INSIDE DIMENSION.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: RESILIENT TILE.</p> <p>BASE: RESILIENT.</p> <p>WALLS: PAINTED.</p> <p>CEILING: SUSPENDED ACOUSTIC TILE</p> <p>HORIZONTAL MILLWORK: STAINLESS STEEL.</p> <p>VERTICAL MILLWORK: NONE.</p> <p>WALL PROTECTION: NONE.</p> <p>PROVIDE MINIMUM OF 3 LF OF 24" DEEP CONTINUOUS BUILT-IN COUNTERTOP WORK SURFACE FOR EACH AIRCRAFT ASSIGNED TO / SUPPORTED BY SUBUNIT.</p>

FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS SPRINKLER HAZARD CLASSIFICATION: ORDINARY IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	SUPPLY / EXHAUST: SUPPLY AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE. AIR BALANCE: NEGATIVE TO CORR1, POSITIVE TO BAY01, AND NEUTRAL TO OTHER ADMIN SPACES. MINIMUM / MAXIMUM HUMIDITY: 30% RH - SEE UFC 3-410-01, 3-5.3.3 / 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. OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE. TEMPERATURE OVERRIDES: NONE.
ELECTRICAL:	CLASS I DIVISION II UP TO 18" AFF. PROVIDE DUPLEX OUTLETS EVERY 3 LF OF COUNTERTOP. PROVIDE CEILING MOUNTED RETRACTABLE POWER REEL AT EACH WORKBENCH AND WORKTABLE.
TELECOMMUNICATIONS:	NIPR / LIS. PROVIDE OUTLETS EVERY 3 LF OF COUNTERTOP.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# WRFLT

FLIGHT OPERATIONS WORKROOM	
FUNCTIONAL AREA:	FA02 AVIATION UNIT OPERATIONS / FA02B FLIGHT OPS
CATCode:	141 12
SPACE DESCRIPTION:	BATTALION LEVEL FLIGHT OPERATIONS WORKROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	DIRECT ACCESS TO PRIMARY CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	<p>PROVIDE SERVICE COUNTER WITH INTEGRATED BASE CABINET AND KNEE SPACE.</p> <p>LOCATE AT 2<sup>ND</sup> LEVEL IN MULTI-STORY HANGAR.</p> <p>MINIMUM STC RATING PER UFC 3-101-1.</p> <p>PARTITIONS: GWB.</p> <p>DOORS: 36"x84" w/ NARROW VISION LITE.</p> <p>GLAZED OPENINGS: NONE.</p> <p>MINIMUM OVERHEAD CLEARANCE: 10'.</p> <p>ACCESSORIES: NONE.</p>
INTERIORS:	<p>FINISHES:</p> <p>FLOOR: CARPET TILE.</p> <p>BASE: RESILIENT.</p> <p>WALLS: PAINTED.</p> <p>CEILING: SUSPENDED ACOUSTIC TILE</p> <p>HORIZONTAL MILLWORK: SOLID SURFACE.</p> <p>VERTICAL MILLWORK: PLASTIC LAMINATE CLAD.</p> <p>WALL PROTECTION: NONE.</p>
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: B</p> <p>NFPA OCCUPANCY: BUSINESS</p>

	<p>SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: SUPPLY AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.</p> <p>AIR BALANCE: NEGATIVE TO CORR1, AND NEUTRAL TO OTHER ADMIN SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 30% RH - SEE UFC 3-410-01, 3-5.3.3 / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	<p>COORDINATE LOCATION AND POWER OUTLET REQUIREMENTS FOR COMMUNICATION RADIOS, TV MONITORS, WEATHER MONITORS, PORTABLE RADIO CHARGING STATION.</p> <p>PROVIDE OUTLET FOR WALL MOUNTED DIGITAL CLOCK.</p>
TELECOMMUNICATIONS:	<p>NIPR.</p> <p>PROVIDE TWO (2) 4" CONDUIT PATHWAYS TO ROOFTOP ANTENNA PLATFORM. PROVIDE WEATHER HEAD ON ROOF. PROVIDE LABEL STATING "PATHWAY TO ANTENNAE MOUNTS".</p>
SECURITY:	NONE.
AUDIO/VISUAL:	<p>PROVIDE CCTV FLIGHT LINE MONITORING CAPABILITY.</p> <p>PROVIDE TWO (2) TV MOUNTS WITH POWER AND DATA OUTLETS.</p>

# WRFPL

## FLIGHT PLANNING WORKROOM

FUNCTIONAL AREA:		FA02 AVIATION UNIT OPERATIONS / FA02B FLIGHT OPS
CATCode:		141 12
SPACE DESCRIPTION:		BATTALION LEVEL FLIGHT PLANNING WORKROOM
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:		
ADJACENCIES:		DIRECT ACCESS TO PRIMARY CORRIDOR.
SITE:		NONE.
STRUCTURAL:		NONE.
ARCHITECTURAL:		PROVIDE MINIMUM SEATING FOR 12. LOCATE AT 2 <sup>ND</sup> LEVEL IN MULTI-STORY HANGAR. MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84" w/ NARROW VISION LITE. GLAZED OPENINGS: NONE. MINIMUM OVERHEAD CLEARANCE: 10'. ACCESSORIES: NONE.
INTERIORS:		FINISHES: FLOOR: RESILIENT TILE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE HORIZONTAL MILLWORK: NONE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:		REFER TO NOTIONAL PLAN.
FIRE PROTECTION:		IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS

	SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: SUPPLY AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.</p> <p>AIR BALANCE: NEGATIVE TO CORR1, AND NEUTRAL TO OTHER ADMIN SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 30% RH - SEE UFC 3-410-01, 3-5.3.3 / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	<p>COORDINATE LOCATION AND POWER OUTLET REQUIREMENTS FOR WEATHER MONITORS.</p> <p>PROVIDE OUTLET FOR WALL MOUNTED DIGITAL CLOCK.</p>
TELECOMMUNICATIONS:	NIPR.
SECURITY:	NONE.
AUDIO/VISUAL:	PROVIDE TWO (2) TV MOUNTS WITH POWER AND DATA OUTLETS; CONFIRM LOCATION WITH UNIT.

# WORD

TRAINING OFFICE / ORDERLY	
FUNCTIONAL AREA:	FA02 AVIATION UNIT OPERATIONS / FA02B FLIGHT OPS
CATCode:	141 12
SPACE DESCRIPTION:	COMPANY LEVEL TRAINING / ORDERLY SPACE
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	DIRECT ACCESS TO PRIMARY CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	LOCATE AT 2 <sup>ND</sup> LEVEL IN MULTI-STORY HANGAR. MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84" w/ NARROW VISION LITE. GLAZED OPENINGS: BORROWED LIGHT AT CORRIDOR. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE. PROVIDE 72" BASE CABINETS w/ OVERHEAD 20 SLOT MAIL CENTER.
INTERIORS:	FINISHES: FLOOR: CARPET TILE OR RESILIENT TILE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE HORIZONTAL MILLWORK: SOLID SURFACE. VERTICAL MILLWORK: PLASTIC LAMINATE CLAD. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B NFPA OCCUPANCY: BUSINESS

	SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 & 9-4.
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: SUPPLY AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.</p> <p>AIR BALANCE: NEGATIVE TO CORR1, AND NEUTRAL TO OTHER ADMIN SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 30% RH - SEE UFC 3-410-01, 3-5.3.3 / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NIPR.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

# WRPQC

## PRODUCTION / QUALITY CONTROL WORKROOM

FUNCTIONAL AREA:		FA01 MAINTENANCE OPERATIONS / FA01B SHOP ADMIN
CATCode:		211 16
SPACE DESCRIPTION:		<p>PC: OPEN OFFICE FOR MAINTENANCE ACTIVITY ASSIGNMENTS AND SCHEDULING. RECEIVE, MONITOR, AND TRACK MAINTENANCE WORK ORDERS USING AUTOMATED AND MANUAL SYSTEMS.</p> <p>QC: OPEN OFFICE SPACE FOR QUALITY CONTROL SECTION STAFF. QC ENFORCES STANDARDS IN REPAIR, OVERHAUL, MODIFICATION, SAFETY-OF-FLIGHT, AND OTHER REQUIRED MAINTENANCE FUNCTIONS.</p>
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:		
ADJACENCIES:		<p>DIRECT ACCESS TO PRIMARY CORRIDOR AND MAINTENANCE BAY.</p> <p>PC WORKROOM IS PRIMARY CONTROL POINT FOR HANGAR.</p> <p>PC AND QC WORKROOMS SHOULD BE ADJACENT TO EACH OTHER.</p>
SITE:		NONE.
STRUCTURAL:		NONE.
ARCHITECTURAL:		<p>PROVIDE SERVICE COUNTER WITH INTEGRATED BASE CABINET AND KNEE SPACE AT MAINTENANCE BAY SIDE OF SPACE. COUNTER TO PROVIDE CLASS 1 DIV II SUITABLY CUT OFF CONDITION.</p> <p>LOCATE AT 1<sup>ST</sup> LEVEL IN MULTI-STORY HANGAR.</p> <p>MINIMUM STC RATING PER UFC 3-101-1.</p> <p>PARTITIONS: GWB.</p> <p>DOORS: 36"x84" w/ NARROW VISION LITE.</p> <p>GLAZED OPENINGS: BORROWED LIGHT AT CORRIDOR.</p> <p>MINIMUM OVERHEAD CLEARANCE: 10'.</p> <p>ACCESSORIES: NONE.</p>
INTERIORS:		<p>PROVIDE CONFERENCE SEATING FOR 20.</p> <p>FINISHES:</p> <p>FLOOR: CARPET TILE.</p> <p>BASE: RESILIENT.</p> <p>WALLS: PAINTED.</p>

	<p>CEILING: SUSPENDED ACOUSTIC TILE</p> <p>HORIZONTAL MILLWORK: SOLID SURFACE.</p> <p>VERTICAL MILLWORK: PLASTIC LAMINATE CLAD.</p> <p>WALL PROTECTION: NONE.</p>
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	<p>IBC USE/CLASSIFICATION: B</p> <p>NFPA OCCUPANCY: BUSINESS</p> <p>SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: SUPPLY AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.</p> <p>AIR BALANCE: NEGATIVE TO CORR1, AND NEUTRAL TO OTHER ADMIN SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 30% RH - SEE UFC 3-410-01, 3-5.3.3 / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	<p>COORDINATE LOCATION AND POWER OUTLET REQUIREMENTS FOR MONITORS.</p> <p>PROVIDE OUTLET FOR WALL MOUNTED DIGITAL CLOCK.</p>
TELECOMMUNICATIONS:	NIPR / LIS.
SECURITY:	NONE.
AUDIO/VISUAL:	<p>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.</p>

	CONFIRM EXACT REQUIREMENTS AND MONITOR LOCATION(S) WITH PRODUCTION CONTROL OFFICER.
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# WRPIL

PILOT WORKROOM	
FUNCTIONAL AREA:	FA02 AVIATION UNIT OPERATIONS / FA02B FLIGHT OPS
CATCode:	141 12
SPACE DESCRIPTION:	HOT DESK OPEN OFFICE FOR UNIT PILOTS
FUNCTIONAL AND OPERATIONAL REQUIREMENTS:	
ADJACENCIES:	DIRECT ACCESS TO PRIMARY CORRIDOR.
SITE:	NONE.
STRUCTURAL:	NONE.
ARCHITECTURAL:	LOCATE AT 2 <sup>ND</sup> LEVEL IN MULTI-STORY HANGAR. MINIMUM STC RATING PER UFC 3-101-1. PARTITIONS: GWB. DOORS: 36"x84" w/ NARROW VISION LITE. GLAZED OPENINGS: BORROWED LIGHT AT CORRIDOR. MINIMUM OVERHEAD CLEARANCE: 9'. ACCESSORIES: NONE.
INTERIORS:	PROVIDE 24" DEEP CONTINUOUS BUILT-IN COUNTERTOP WORK SURFACE AT ROOM PERIMETER AND CONFERENCE SEATING. CONFIRM TOTAL OCCUPANT COUNT w/ COS. FINISHES: FLOOR: CARPET TILE OR RESILIENT TILE. BASE: RESILIENT. WALLS: PAINTED. CEILING: SUSPENDED ACOUSTIC TILE HORIZONTAL MILLWORK: SOLID SURFACE. VERTICAL MILLWORK: NONE. WALL PROTECTION: NONE.
FURNISHINGS / EQUIPMENT:	REFER TO NOTIONAL PLAN.
FIRE PROTECTION:	IBC USE/CLASSIFICATION: B

	<p>NFPA OCCUPANCY: BUSINESS</p> <p>SPRINKLER HAZARD CLASSIFICATION: LIGHT IAW NFPA 13 AS MODIFIED BY UFC 3-600-01, 9-7, TABLES 9-3 &amp; 9-4.</p>
PLUMBING:	NONE.
GASES / AIR:	NONE.
MECHANICAL:	<p>SUPPLY / EXHAUST: SUPPLY AS REQUIRED FOR COOLING, HEATING, HUMIDITY CONTROL, OR AIR BALANCE, WHICHEVER IS MOST APPLICABLE.</p> <p>AIR BALANCE: NEGATIVE TO CORR1, AND NEUTRAL TO OTHER ADMIN SPACES.</p> <p>MINIMUM / MAXIMUM HUMIDITY: 30% RH - SEE UFC 3-410-01, 3-5.3.3 / 55°F (12.8°C) MAXIMUM DEW POINT TEMPERATURE. TAKE INTO ACCOUNT THE MOISTURE GAIN IN THE SPACE.</p> <p>MINIMUM TEMPERATURE (HEATING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>MAXIMUM TEMPERATURE (COOLING): IAW UFC 4-211-01 3-5.1 AND UFC 3-410-01.</p> <p>OUTSIDE AIRFLOW: IAW ASHRAE 62.1 FOR OFFICE SPACE.</p> <p>TEMPERATURE OVERRIDES: NONE.</p>
ELECTRICAL:	NONE.
TELECOMMUNICATIONS:	NIPR.
SECURITY:	NONE.
AUDIO/VISUAL:	NONE.

