

5.0 ROOM REQUIREMENTS

MSAU HQ-BEQ

Room Name: TOC 141

Space Characteristics

Function: To provide secure space for telecommunication and data equipment room needs for MSAU HQ spaces

Adjacencies: Near the MSAU suite

Special Dimensions:

Plan Dimensions or approximate area: 383 SF or as needed.
Minimum Ceiling Height: as needed.

Acoustics: Provide sound and vibration isolation from all occupied spaces. **STC: 50**

Access: Access from the interior circulation spaces.

Number of Occupants: NA

Other/Special Requirements: Room shall be located on the First Floor. Provide other telecom spaces as necessary. Room shall be designed per UFC 4-010-05 "Sensitive Compartment Information Facilities Planning, Design and Construction" standards – accreditation is not required.

Uniformat Section	Description	Qty	Size	Specific Requirements
B2010	Exterior Walls			Wall construction shall consist of Load bearing CMU backup wall, brick veneer, cast stone trim and a wall cavity space containing the insulation, air, water and vapor barrier.
B202001	Exterior Windows	As	As Required	Not required
C101001	Fixed Partitions			Concrete Masonry Units (CMU)
C102001	Interior Doors	As indicated	3X7	Provide solid core wood flush door in a factory stained finish and hollow metal frames (field painted).
C102007	Interior Door Hardware			Provide door gasketing, protection plates, stops, cores and cylinders as required, simplex lock and lock trim.
C103004	Identifying Devices			Wall mounted, architectural signage, include room number and name of function
C103012	Firestopping Penetrations			Penetration ratings shall match wall ratings.
C301001	CMU Finish			High Performance Latex Paint
C301002	Acrylic Plaster Coating			High Performance (impact resistant) seamless 10 mil minimum interior acrylic coating system shall be used as an interior wall finish over CMU.
C302004	Resilient Floor Finish			Rubber Tile
C302007	Wall Base Finish		4" High	Rubber

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Uniformat Section	Description	Qty	Size	Specific Requirements
C302011	Access Floor		24" x 24" x 6" High	Provide flooring with one step at door. Include all edging, steps, fascia, & accessories
C303001	Acoustical Tile and Grid		24" x 24"	Suspended Acoustical Ceiling Panels with a reveal edge and standard prefinished grid system.
D304001	Air Distribution, Heating and Cooling			Provide ventilation complying with latest ASHRAE 62.1 requirements. Provide continuous ventilation equal to exhaust, ventilation air is to be fully conditioned and at neutral conditions of 70 degrees F and maximum 50% RH.
D304007	Exhaust Systems			Provide continuous exhaust
D305003	Fan Coil Units			Provide horizontal 4-pipe fan coil unit with secondary drain pan
D306001	HVAC Controls			Provide DDC capable digital wall mounted thermostat. Thermostat will provide fan coil units with BACNET connectivity.
D4010	Fire Alarm and Detection Systems			Provide visible and audible notification appliance coverage in accordance with UFC 3-600-01 and UFC 4-021-01.
D4040	Sprinkler Systems			Provide wet-pipe sprinkler coverage in accordance with UFC 3-600-01.
D502001	Branch Circuit Wiring			Provide general purpose duplex receptacles for every 10' of wall space, minimum of 8. Provide two quad receptacle for each desk; provide desks with SIPRNet or DOS network outlets with (2) quad receptacles per desk, coordinate locations with D5030 outlets below. Provide receptacles for TVs, coordinate height with monitor mounting. Provide ceiling mounted receptacle for projector and power and switch for the screen. Provide receptacle on dedicated circuit for AV equipment. All construction and penetrations to this space shall meet the requirements of UFC 4-010-05.
D502002	Lighting Equipment			Target Illuminance = 50fc Fixture Type: Recessed volumetric LED Control: Vacancy Sensor + Switch + Dimming
D503001	Telecommunications Systems			Refer to D503001 for telecommunications floor box requirements. 1-IPTV outlet mounted behind TV. Provide data outlets in the following locations: Coordinate the rough-in location for voice and data communications outlets with the associated equipment mounting configuration. 10 - Combination voice and NMCI data outlets. 10 - OpenNet outlet adjacent to Voice/NMCI outlets. 10 - SIPRNet outlets

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D503004	Television Systems			2 -CATV outlets Coordinate the rough-in location for CATV outlets with the associated equipment.
D503005	Security Systems			Provide pathway, cabling/wiring to DOS/MSAU Comm 107 Closet for MCESG official A/V Training.
E102009	Audiovisual Equipment			Coordinate the rough-in location for AV outlets with the associated equipment. Provide ceiling mounted hardware for projector and motorized projector screen. Coordinate with support blocking, electrical data connections. Provide a pole mount projector mount. Projector Screen: 1 each
E2020	Movable Furnishings			10 – Task Chair 5- Work Tables 1 – Waste Receptacle 1 – Recycling Bin 1 – File cabinets, lateral