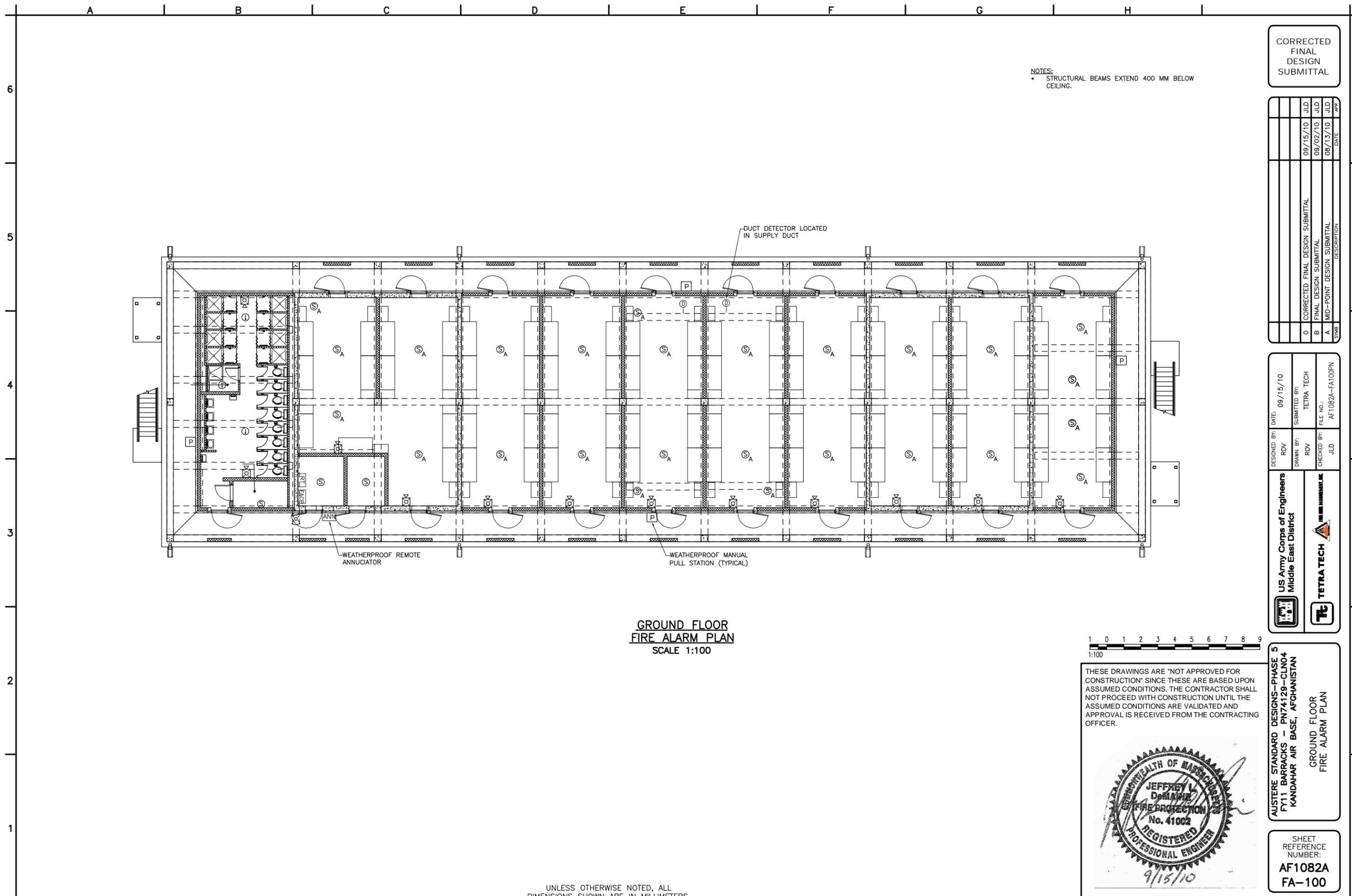


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NOTES:
 • STRUCTURAL BEAMS EXTEND 400 MM BELOW CEILING.

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DRAWN BY:	RDV	
CHECKED BY:	FILE NO.:	AF1082A-FA100PN
JLD		

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**GROUND FLOOR
 FIRE ALARM PLAN**
 SCALE 1:100



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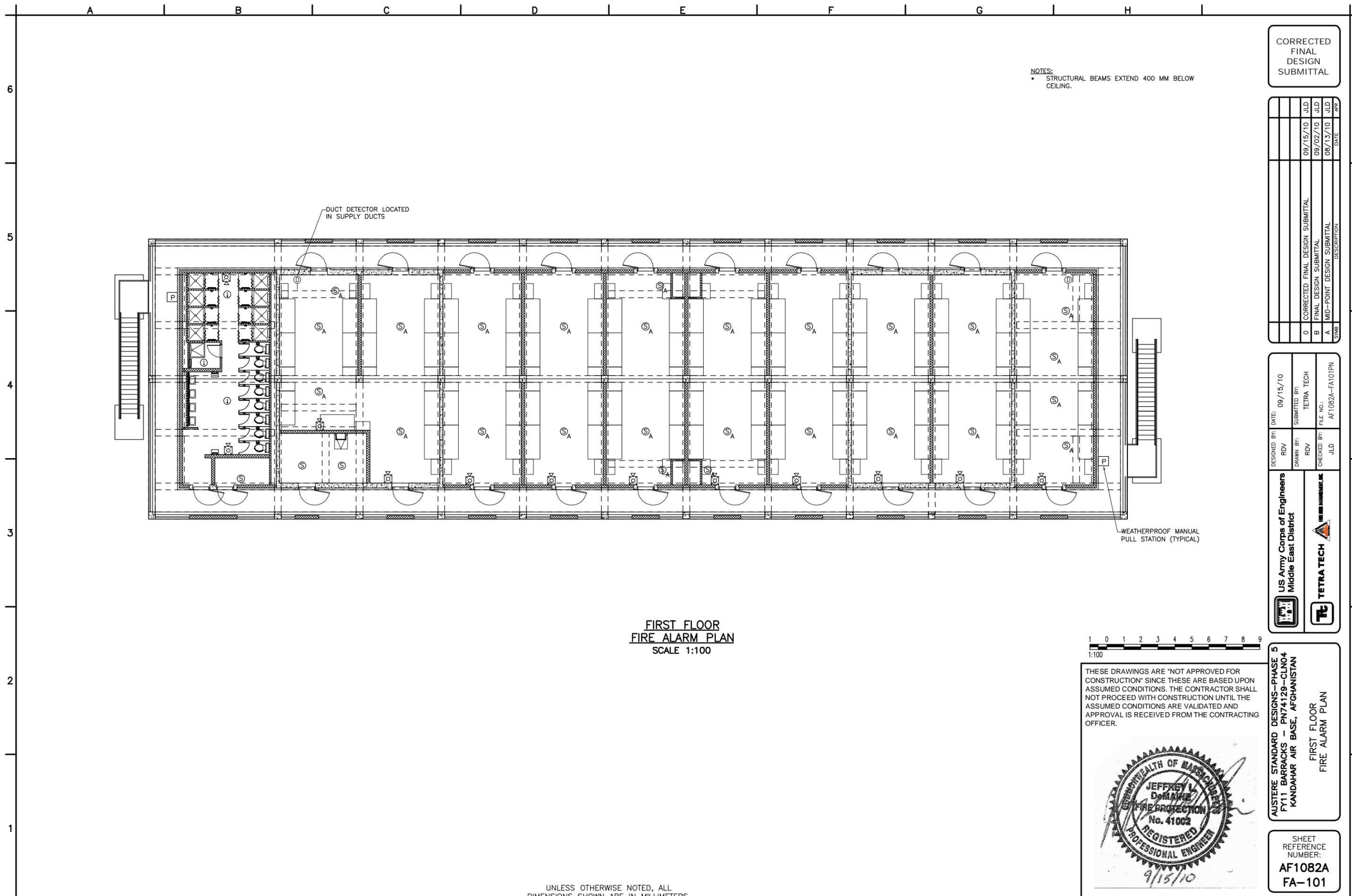
AUSTERE STANDARD DESIGNS - PHASE 5
 FY11 BARRACKS - PN74129-CLN04
 KANDAHAR AIR BASE, AFGHANISTAN

GROUND FLOOR
 FIRE ALARM PLAN

SHEET
 REFERENCE
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**FIRST FLOOR
FIRE ALARM PLAN**
SCALE 1:100

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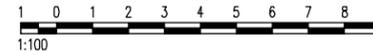
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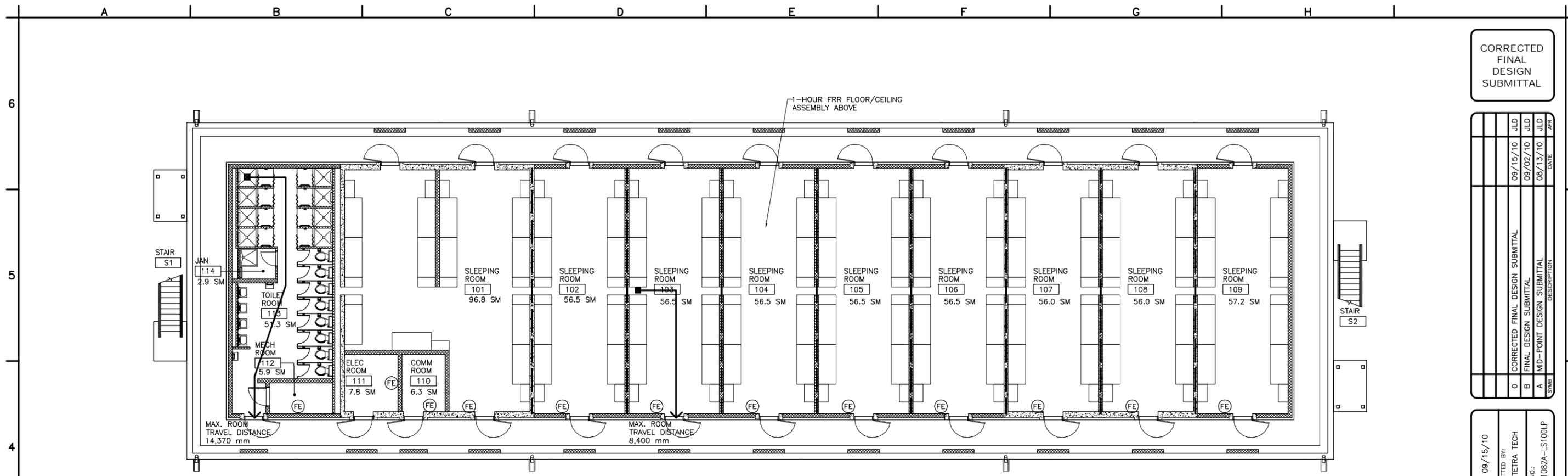


AUSTERE STANDARD DESIGNS—PHASE 5
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FIRST FLOOR
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SHEET REFERENCE NUMBER:
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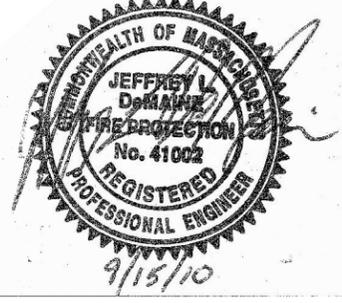


**GROUND FLOOR
LIFE SAFETY PLAN
SCALE 1:100**

BUILDING CODE AND CONSTRUCTION DATA										
APPLICABLE CODES:	FIRE RESISTANCE RATINGS:									
THE UNIFIED FACILITIES CRITERIA (UFC 3-800-01), JULY 2009 CONTINGENCY STANDARD DESIGNS PROGRAM - FY10 ARCENT/AED DESIGN EXECUTION INTERNATIONAL BUILDING CODE (IBC), 2009 ED. INTERNATIONAL FIRE CODE (IFC), 2009 ED. THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES & STANDARDS, INCLUDING BUT NOT LIMITED TO: NFPA 101 - THE LIFE SAFETY CODE 2009 ED. NFPA 10, - STANDARD FOR PORTABLE FIRE EXTINGUISHERS 2010 ED. NFPA 70 - THE NATIONAL ELECTRICAL CODE, 2008 ED. NFPA 72, - NATIONAL FIRE ALARM AND SIGNALING CODE, 2010 ED.	0 HOUR: STRUCTURAL FRAMING (COLUMNS, GIRDERS, TRUSSES) 0 HOUR: BEARING WALLS 0 HOUR: NON BEARING WALLS (INTERIOR/EXTERIOR) 0 HOUR: ROOF CONSTRUCTION 1 HOUR: STORAGE ROOMS > 9.3 SM 1 HOUR: SLEEPING ROOM SEPARATIONS, WALLS 1 HOUR: SLEEPING ROOM SEPARATIONS, FLOOR/CEILING									
NUMBER OF FLOORS: 2 STORY STRUCTURAL SYSTEM: CONCRETE FRAME FLOOR CONSTRUCTION: GROUND FLOOR: SLAB ON GRADE FIRST FLOOR: CAST IN PLACE NON-COMPOSITE CONCRETE SUPPORTED ON CONCRETE BEAMS CONSTRUCTION CLASS: II-B, NON-COMBUSTIBLE, NON-PROTECTED USE GROUP: R-1 (BASED ON MOST RESTRICTIVE) INTERIOR FINISH: CLASS C SPRINKLERS: NO FIRE ALARM: YES FIRE EXTINGUISHERS: YES, MINIMUM 4A : 80B : C	OCCUPANT LOAD:									
HEIGHT AND AREA LIMITATIONS:	<table border="1"> <thead> <tr> <th></th> <th>CALCULATED (18.6 SM/PERSON)</th> <th>ACTUAL</th> </tr> </thead> <tbody> <tr> <td>GROUND FLOOR:</td> <td>51 OCCUPANTS</td> <td>71 OCCUPANTS</td> </tr> <tr> <td>FIRST FLOOR:</td> <td>51 OCCUPANTS</td> <td>71 OCCUPANTS</td> </tr> </tbody> </table>		CALCULATED (18.6 SM/PERSON)	ACTUAL	GROUND FLOOR:	51 OCCUPANTS	71 OCCUPANTS	FIRST FLOOR:	51 OCCUPANTS	71 OCCUPANTS
	CALCULATED (18.6 SM/PERSON)	ACTUAL								
GROUND FLOOR:	51 OCCUPANTS	71 OCCUPANTS								
FIRST FLOOR:	51 OCCUPANTS	71 OCCUPANTS								
ALLOWABLE HEIGHT: 3 STORIES, PER ARCENT MEMO ACTUAL HEIGHT: 2 STORIES ALLOWABLE AREA: 1486 SM INCREASE DUE TO SPRINKLERS: 0 INCREASE DUE TO FRONTAGE: 0 ACTUAL AREA: 977 SM GROUND FLOOR 977 SM FIRST FLOOR	EGRESS:									
NOTE:	EGRESS WIDTH PER OCCUPANT DOORS, CORRIDORS: 0.0050 M STAIRS: 0.0076 M NUMBER OF EXITS REQUIRED: 2 EGRESS CAPACITY PER DOOR: 165 PEOPLE EGRESS CAPACITY PER STAIR: 147 PEOPLE MAX. TRAVEL DISTANCE WITHIN SLEEPING ROOM: 23 M FROM DOOR TO EXIT: 61 M MAX. DEAD END LENGTH: 10.7 M									
SEE FIRE HAZARD ANALYSIS (SPECIFICATION SECTION 01 80 00.12 10 - TECHNICAL REQUIREMENTS) FOR ADDITIONAL BUILDING REQUIREMENTS/RESTRICTIONS.										



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CHECKED BY: JLD	FILE NO.: AF1082A-LS100LP

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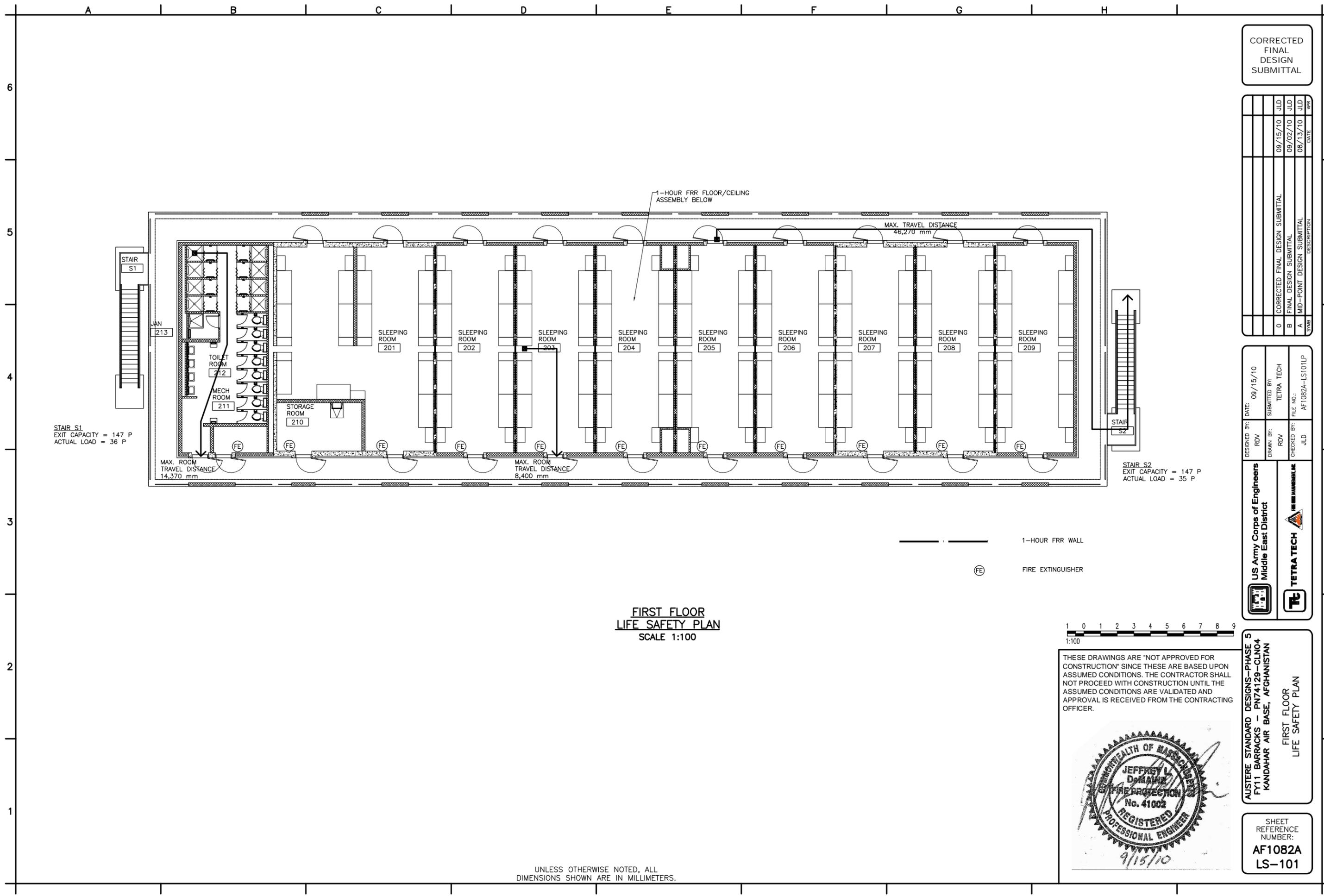
AUSTERE STANDARD DESIGNS-PHASE 5
FY11 BARRACKS - PN74129-CLN04
KANDAHAR AIR BASE, AFGHANISTAN

GROUND FLOOR
LIFE SAFETY PLAN

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STAIR S1
EXIT CAPACITY = 147 P
ACTUAL LOAD = 36 P

MAX. ROOM TRAVEL DISTANCE
14,370 mm

MAX. ROOM TRAVEL DISTANCE
8,400 mm

STAIR S2
EXIT CAPACITY = 147 P
ACTUAL LOAD = 35 P

1-HOUR FRR FLOOR/CEILING ASSEMBLY BELOW

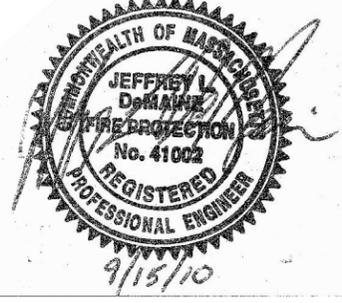
MAX. TRAVEL DISTANCE
46,270 mm

**FIRST FLOOR
LIFE SAFETY PLAN**
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— 1-HOUR FRR WALL
⊙ FE FIRE EXTINGUISHER



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AUSTERE STANDARD DESIGNS—PHASE 5
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KANDAHAR AIR BASE, AFGHANISTAN
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DEPARTMENT OF THE ARMY
THIRD ARMY
UNITED STATES ARMY CENTRAL
1881 HARDEE AVE SW
FORT MCPHERSON, GA 30330

ACEN-OME

JUL 15 2009

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Fire Safety Management & Design Policy for Contingency Construction in USARCENT AOR

1. References:

- a. AR 420-1, Facilities Engineering Army Facilities Management, 12 February 2008.
- b. NFPA 409, Standard for Aircraft Hangars, 2004 Edition (Revision due Fall 2009)
- c. U.S. Central Command Construction and Base Camp Development in the U.S. Central Command AOR, "The Sand Book", 12 December 2007.
- d. U.S. Command Lead Component/BOS Integration Matrix, 1 March 2005.
- e. DA Pam 385-16 System Safety Management Guide, 13 November 2008.

2. The purpose of this memorandum is to outline mandatory minimum USARCENT fire safety standards in the U.S. Central Command Area of Responsibility (AOR) for all contingency construction. Agencies will complete a Fire Hazard Analysis (FHA) to capture hazard assessments and mitigations. The FHA examines the specifics of the hazards involved, the level of risk and the appropriate control mechanisms. This policy provides the Major Subordinate Commander the ability to construct facilities by incorporating the minimum mandatory fire safety measures that include fire protection and fire notification for specific design criteria. Any facilities that do not meet these minimum requirements or meet the Life Safety Code are not authorized for construction under this policy. The policy will be applied for all contingency military construction for which USARCENT/CFLCC possesses Base Operating Support responsibility as detailed in reference 1.c. above.

3. A fire suppression system is defined as an automatic system consisting of devices that apply various extinguishing agents (water, foam, dry and wet chemical, gaseous) on a fire without any action on the part of people and usually arranged to transmit an alarm to a fire communication center. Reference 1.a. above outlines fire suppression standards for construction in non-contingency areas. Appropriate fire protection in facility and system designs guarantees the most economical and least interruption of essential missions. Installations will not omit fire protection from contingency construction designs and plans for the sake of economy or expedencies, since add-ons are expensive and often less effective. However, ongoing operations in the U.S. Central Command

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SUBJECT: Fire Safety Management & Design Policy for Contingency Construction in USARCENT AOR

AOR dictate a risk management approach in order to accommodate the special circumstances of contingency construction in an active theater of war. It is important that these modifications provide as much force protection to our force as possible – even in consideration of the conditions. Reference 1.b. above outlines facility design criteria in the U.S. Central Command AOR. This policy is in addition to reference 1. b.

4. In the U.S. Central Command AOR, the UFC 3-600-01, Fire Protection Engineering for Facilities provides the guidelines for the design for fire suppression for real property and personal property in temporary, semi-permanent and permanent construction. When fire suppression is used, sprinkler systems will comply with NFPA 13 requirements. For barracks and housing buildings that are four stories or less, sprinkler systems will comply with NFPA 13R. During the Design Charrettes, the design and construction agent and the end-user will complete a Fire Hazard Analysis (FHA) (see attached) for the commander. The FHA will be reviewed by a registered professional fire protection engineer. The Fire Hazard Analysis will include a fire protection design analysis per Section 1-4 of UFC 3-600-01. This document will be included in the Project Management Plan and forwarded to USARCENT G7 as part of the FHA notification prior to final contract award. The fire protection engineer will provide equivalent fire safety measures along with justification for any requirement which compliance is not possible.

5. The fire hazard analysis will apply to the below construction as outlined in the AR 420-1. Regardless of the submission of the FHA, there are mandatory fire notification, fire suppression and fire mitigation actions that shall be implemented and which cannot be waived. See paragraph 6 below for these mandatory actions.

a. **New Construction:** Defined as "The erection, installation, or assembly of a new real property facility. This includes utilities, equipment installed and made a part of the unit, and related site preparation (demolition, excavation, filling, landscaping, or other land improvement)." New construction will comply with UFC 3-600-1, Fire Protection Engineering for Facilities.

b. **Existing Construction:** For repair projects, only the new work is required to comply with the requirements for new construction. As a minimum, existing buildings will comply with the requirements of NFPA 101, Life Safety Code. Repair is:

- (1) Restoration of a real property facility (RPF) to such condition that it may be used effectively for its designated functional purpose.
- (2) Correction of deficiencies in failed or failing components of existing facilities or systems to meet current Army standards and codes where such work, for reasons of economy, should be done concurrently with restoration of failed or failing components.
- (3) A utility system or component may be considered "failing" if it is energy inefficient or technologically obsolete.

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c. **Relocatable Buildings (Real Property):** Personal property used as a structure, that would have a building category code if it was real property, designed to be readily moved, erected, disassembled, stored, reused, and meets the 20 percent rule. The sum of building disassembly, repackaging, and non-recoverable building components, including typical foundation costs must not exceed 20 percent of the purchase cost of the relocatable building. If the percentage is greater than 20 percent, then the facility must be acquired as real property and follows real property project approval authorities. Personal property is managed as equipment. Relocatable buildings will comply with the requirements of UFC 3-600-01, Fire Protection Engineering for Facilities or this policy.

6. The following fire notification, fire suppression and fire mitigation strategies are **MANDATORY** for use in contingency construction for barracks/housing and other facilities in contingency locations where it is not possible to provide an automated fire suppression system. These measures provide adequate protection in the event of a fire in barracks/housing or other facilities. These mandatory measures cannot be waived. They are:

a. **For barracks and housing buildings.**

(1) The building complies with the requirements of NFPA 101, Life Safety Code, for non-sprinklered buildings. These requirements include providing an exterior exit from each sleeping room. Exterior exit balconies are required for rooms on upper floors.

(2) An alternative to providing exterior exits from each sleeping room, as required by the Life Safety Code for non-sprinklered buildings, are as follows:

(a) Limit the building up to three stories in height. Occupancy of the upper floor shall be limited to able-bodied personnel, who are able to use fire escape ladders in the event of an emergency.

(b) Provide fixed ladders with graded ledge and openable windows from each sleeping room, similar to the system depicted in enclosure, "Fire Escape Ladders". For a 3-story building, the fixed ladder will extend to the third floor.

(c) All designs require openable windows that lead to the exterior when there are no exterior door exits.

(d) For two-story buildings, access will be no more than 20 ft off of the ground to enable an able-bodied person to hang and drop to the ground.

b. **For non-housing buildings.**

(1) Limit the building to two stories in height and

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AUSTERE STANDARD DESIGNS - PHASE 5
FY11 BARRACKS - PN74129-CLN04
KANDAHAR AIR BASE, AFGHANISTAN
USARCENT MEMORANDUM
SHEET 1 OF 3

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SUBJECT: Fire Safety Management & Design Policy for Contingency Construction in
USARCENT AOR

(2) Limit the gross floor area to 15,000 square feet for buildings of noncombustible construction, and to 5000 square feet for building of combustible (e.g. wood) construction. Building separation shall be per UFC 3-600-01 and

(3) Provide direct exits to the exterior from each floor.

c. Fire Notification

(1) A fire detection and fire alarm system will be provided in accordance with NFPA 101, Life Safety Code (LSC). The LSC requires single-station smoke alarms in each sleeping room. Single-station smoke alarm will be powered by the building electrical system. In barracks that are not protected with an automatic fire sprinkler system, the LSC requires a corridor smoke detection system connected to the building fire alarm system.

(2) For relocatable building (RLB) barracks, each sleeping room will be provided with a smoke alarm powered by the building electrical system in accordance with NFPA 101, Life Safety Code (LSC). In RLB barracks that have an interior corridor and that are not protected with an automatic fire sprinkler system, the corridor will be provided with a smoke detection system in accordance with the LSC. The corridor smoke detection system will be connected to the building fire alarm system and connected to the local post/camp/station fire department, if one is present.

(3) A fire marshal will be appointed, in writing, for each facility. A posting of the appointment will be displayed in each facility with a means to contact the fire marshal. The designated Fire Marshal shall receive fire safety training of duties and responsibility by the local post/camp/station fire department.

d. Fire Suppression

(1) Operable fire extinguishers will be emplaced in all facilities at entrances, exits, both ends of hallways and corridors, and in each common area. Where feasible, place a fire extinguisher in each room of a barracks.

(2) Smoking areas will be out of doors and at least 50 ft. from the facility. Cigarette "Butt cans" will be provided and regularly maintained.

(3) Where exterior water services (faucets) are provided, a water hose at least 50 ft. in length will be provided.

(4) All barracks facilities will be furnished with one set of minimal firefighting equipment: a rake, a shovel, and an axe. This equipment will be located where most accessible adjacent to and exterior of the building.

4

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SUBJECT: Fire Safety Management & Design Policy for Contingency Construction in
USARCENT AOR

(5) **New Aircraft Hangars:** Including fabric hangars with a floor area of 10,000 square feet or less and with 75 feet separation between hangars do not require sprinkler protection. New Aircraft hangars, including fabric hangars that meet these criteria, will comply to the latest edition of NFPA 409, Standard for Aircraft Hangars, in lieu of complying with UFC 3-600-1.

e. Fire Mitigation

(1) Establish a minimum of two designated smoking areas; one on each side of the building.

(2) Fire escape routes will be posted in all buildings with rally areas for personnel to report to in case of a fire or incident for accountability purposes.

(3) Facility Fire Marshalls will physically inspect buildings monthly. A report of their inspection will be sent to the Safety Officer and the first commander in the chain of command responsible for the facility. Deficiencies shall be corrected on the spot where possible, but not later than 24 hours after identification. Monthly inspection reports will be maintained for one year after the date of the inspection.

(4) Fire drills will be executed quarterly. These drills may be combined with other evacuation practices such as indirect fire drills.

(5) The post/camp/station fire department will participate in all facility pre-final and final inspections as part of the construction closeout and facility turnover procedures. The fire department will also conduct periodic fire-safety inspections of all facilities on the installation, and will coordinate with both the facility Fire Marshall and the post/camp/station Safety Officer all necessary corrections to deficiencies found.

(6) The Fire Marshall will witness operational testing of the fire alarm and detection system at least quarterly. This can be done in conjunction with required fire drills. At least semiannually, operational testing will be conducted using secondary power i.e. battery power.

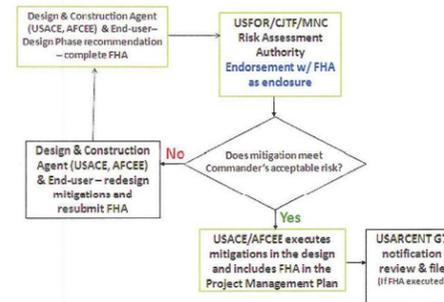
(7) Occupants of the upper floors of barracks that are equipped with fire escape ladders will be trained on the proper use of the fire escape ladders.

7. Routing:

5

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USARCENT AOR

Fire Safety FHA Approval & Notification Process



8. For additional information, contact USARCENT G7, 404-464-0413.

[Signature]
STEPHEN M. TWITTY
Colonel, GS
Chief of Staff

Enclosures

1. Fire Ladders
2. Fire Hazard Analysis

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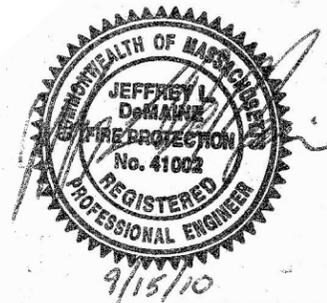
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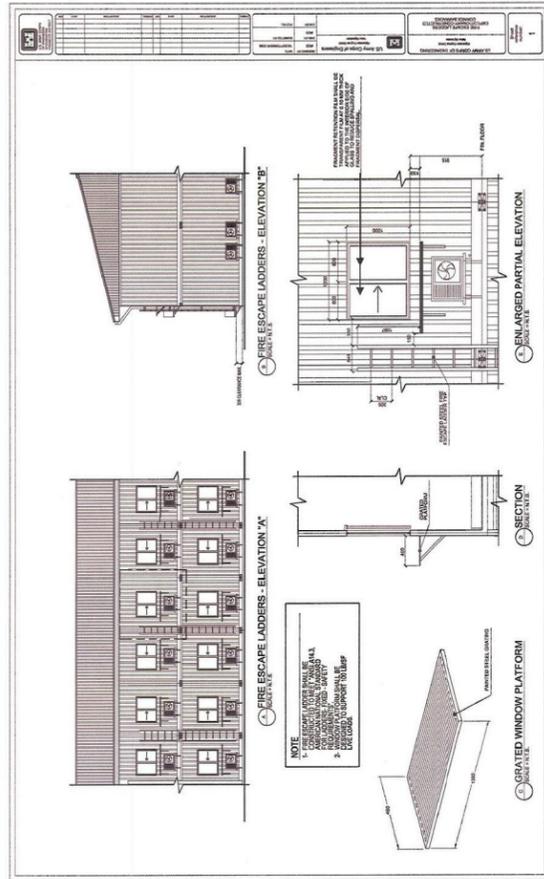


AUSTERE STANDARD DESIGNS - PHASE 5
FY11 BARRACKS - PN74129-CLN04
KANDAHAR AIR BASE, AFGHANISTAN

USARCENT MEMORANDUM
SHEET 2 OF 3

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ENCLOSURE 1. FIRE LADDERS TO FIRE SAFETY MANAGEMENT & DESIGN POLICY FOR CONTINGENCY CONSTRUCTION IN USARCENT AOR



Enclosure 2. Fire Hazard Analysis to Fire Safety Management & Design Policy for Contingency Construction in USARCENT AOR

1. The FHA must include an assessment of the risk from fire and related hazards (direct flame impingement, hot gases, smoke migration, fire fighting water damage, fire exposure to structural members, etc.) in relationship to existing or proposed fire safety features to ensure that the facility can be safely controlled and stabilized during and after a fire.

2. As a minimum, the FHA must contain information describing the following elements.

- Description of construction
- Protection of essential safety class and safety significant equipment
- Fire protection features
- Description of fire hazards
- Life safety considerations
- Fire department response
- Recovery potential
- Potential for a toxic, biological, and/or radiological incident due to a fire
- Emergency planning
- Security considerations related to fire protection
- Natural hazards (earthquake, flood, wind) impact on fire safety
- Exposure fire potentials, including the potential fire spread between fire areas
- Reference the fire department needs assessment baseline document.
- Deficiencies or "recommendations" that are required to be corrected to meet fire protection objectives.
- Risk of fire and related hazards (direct flame impingement)

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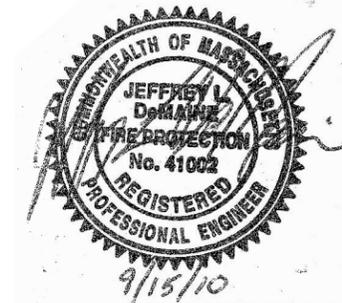
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Middle East District

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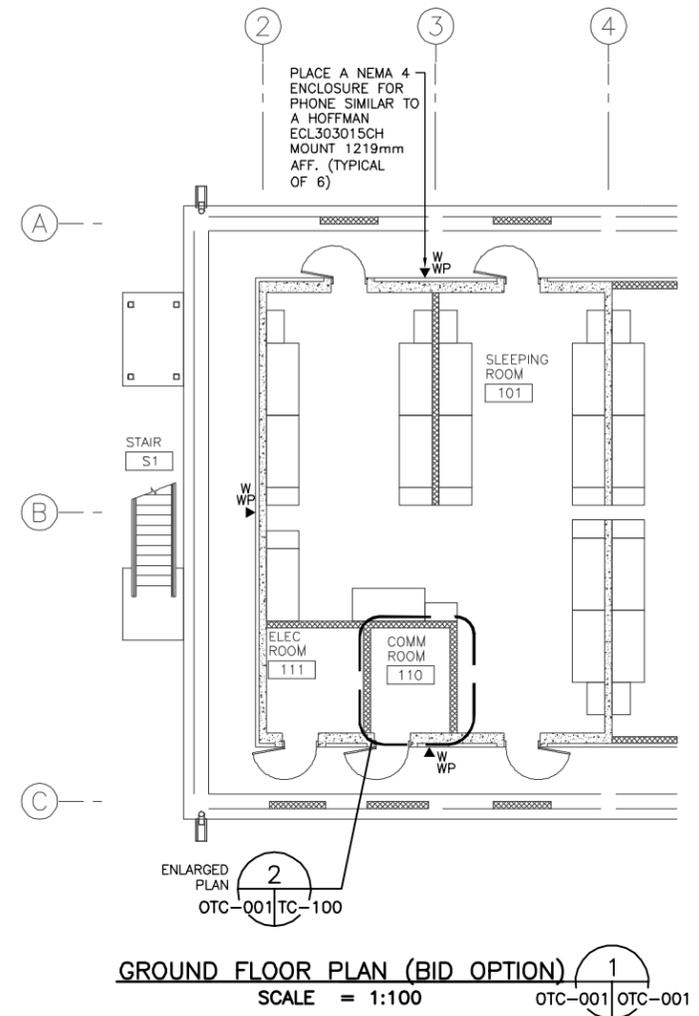
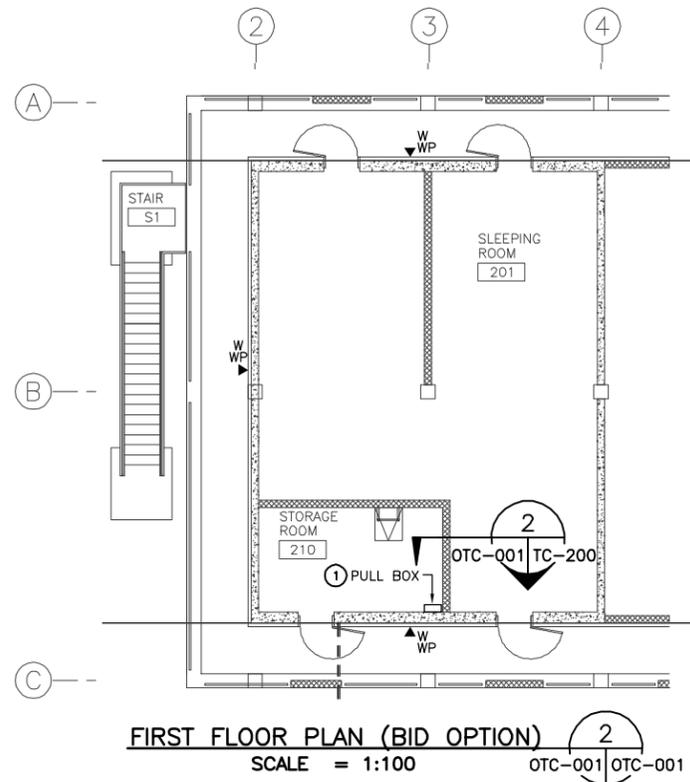


AUSTERE STANDARD DESIGNS - PHASE 5
 FY11 BARRACKS - PN74129-CLN04
 KANDAHAR AIR BASE, AFGHANISTAN

USARCENT MEMORANDUM
 SHEET 3 OF 3

SHEET REFERENCE NUMBER:
 AF1082A
 LS-202

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KEYED NOTES:
 ① PROVIDE (1) 19mm CONDUIT FROM PULL BOX IN STORAGE ROOM TO EACH WALL PHONE OUTLET. CONDUIT RUNS SHOULD NOT BE LONGER THAN 30 METERS OR MAKE MORE THAN (2) 90° BENDS WITHOUT A PULL POINT/PULL BOX.



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CORRECTED FINAL DESIGN SUBMITTAL

SYMB	DESCRIPTION	DATE	APP
D	CORRECTED FINAL DESIGN SUBMITTAL	09/15/10	KCT
B	FINAL DESIGN SUBMITTAL	09/02/10	KCT
A	MID-POINT DESIGN SUBMITTAL	08/13/10	KCT

DESIGNED BY:	JLB	DATE:	09/15/10
DRAWN BY:	SES	SUBMITTED BY:	TETRA TECH
CHECKED BY:	RSM	FILE NO.:	AF1082A-OTC001PN

US Army Corps of Engineers
Middle East District

TETRA TECH

AUSTERE STANDARD DESIGNS - PHASE 5
 FY11 BARRACKS - PN74129-CLN04
 KANDAHAR AIR BASE, AFGHANISTAN

GROUND FLOOR TELECOMMUNICATIONS LAYOUT PLAN

SHEET REFERENCE NUMBER:
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OTC-001

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6
5
4
3
2
1

A | B | C | D | E | F | G | H

METRIC COPPER CONDUCTOR CONVERSION CHART		
AWG KCMIL	COMPUTER CONVERSION mm ²	ADVISED CROSS SECTION mm ²
24	.2	0.25
20	.5	0.75
18	.8	1
16	1.3	1.5
14	2.1	2.5
12	3.3	4
10	5.27	6
8	8.4	10
6	13.3	16
4	21.2	25
3	26.7	25
2	33.6	35
1	42.4	50
1/0	53.4	50
2/0	67.5	70
3/0	85.0	95
4/0	107.2	120

EQUIVALENT CONDUIT SIZE	
mm	INCH
20	3/4
25	1
32	1 1/4
38	1 1/2
50	2
64	2 1/2
76	3
90	3 1/2
100	4

GENERAL NOTES:
 1. ALL CONDUIT PENETRATIONS THRU WALLS OR CEILINGS SHALL BE SEALED/FIRESTOPPED.
 2. FOR ELECTRICAL INSTALLATION SEISMIC REQUIREMENTS, SEE SPECIFICATION 26 05 48 00.10.

PLAN LEGEND (TELECOM)

▼ WP WALL PHONE OUTLET

===== 19mm PLYWOOD

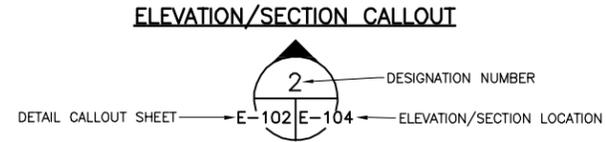
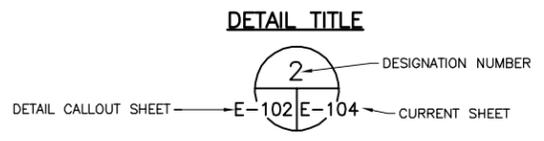
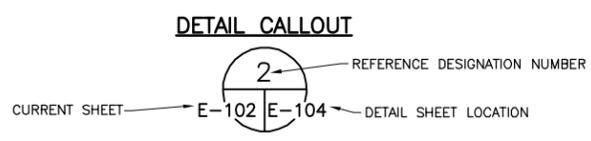
PLAN LEGEND (SITE)

— C — UNDERGROUND COMMUNICATIONS

□ MANHOLE (COMMUNICATIONS)

□ HANDHOLE (COMMUNICATIONS)

- ABBREVIATIONS**
- AFG ABOVE FINISHED GRADE
 - AFF ABOVE FINISHED FLOOR
 - A AMPERE
 - AIC AMPERE INTERRUPTING CAPACITY
 - BFG BELOW FINISHED GRADE
 - BLDG BUILDING
 - CKT CIRCUIT
 - C CONDUIT
 - CND CONDUCTOR
 - EC CONTRACTOR RESPONSIBLE FOR ELECTRICAL WORK
 - FOC FIBER OPTIC CABLE
 - GFE GOVERNMENT FURNISHED CONTRACTOR INSTALLED
 - GFGI GOVERNMENT FURNISHED GOVERNMENT INSTALLED
 - GFI GROUND FAULT INTERRUPTING
 - GRS GALVANIZED RIGID STEEL CONDUIT
 - HZ HERTZ
 - M METERS
 - mm MILLIMETERS
 - MH MANHOLE
 - MTD MOUNTED
 - OSP OUTSIDE PLANT
 - PET PROTECTED ENTRANCE TERMINATION
 - PP PATCH PANEL
 - RM ROOM
 - SM SINGLEMODE
 - TC CONTRACTOR RESPONSIBLE FOR TELECOMMUNICATIONS WORK
 - TMGB TELECOMMUNICATIONS MAIN GROUNDING BUS
 - TR TELECOMMUNICATIONS ROOM
 - UTP UNSHIELDED TWISTED PAIR
 - WM WALL MOUNTED
 - WP WEATHER-PROOF



UNLESS NOTED ELSEWHERE ON THE CONTRACT DOCUMENTS, THE FOLLOWING LIST REPRESENTS THE TYPICAL MOUNTING HEIGHTS FOR THE DEVICES SHOWN:
 a. WALL(W) TELE. AND/OR CALL SWITCHES 1,219mm (TO TOP)

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CORRECTED
FINAL
DESIGN
SUBMITTAL

SYMB	A	B	0	DATE	APP
				09/15/10	KCT
				09/02/10	KCT
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DESIGNED BY: JLB	DATE: 09/15/10
DRAWN BY: SES	SUBMITTED BY: TETRA TECH
CHECKED BY: RSM	FILE NO.: AF1082A-TC001GN

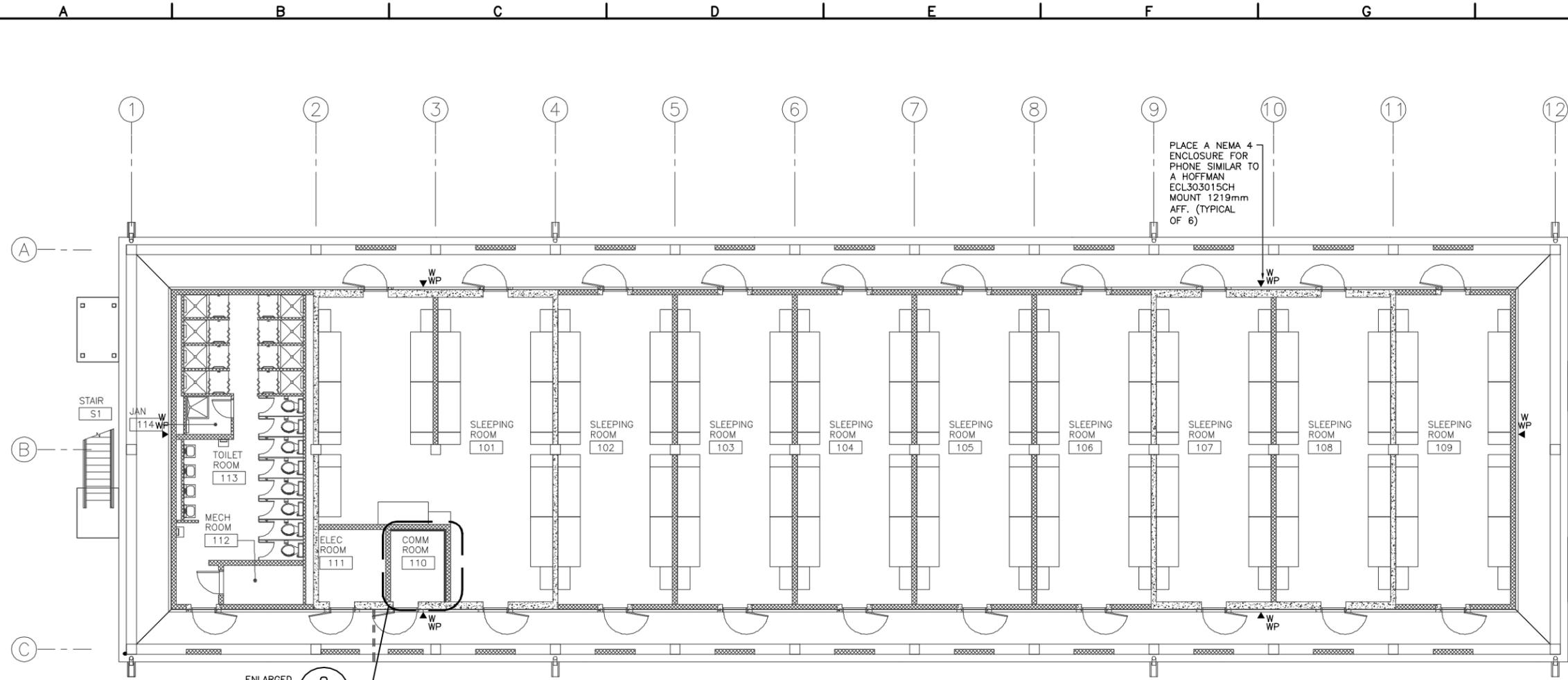
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AUSTERE STANDARD DESIGNS - PHASE 5
 FY11 BARRACKS - PN74129-CLN04
 KANDAHAR AIR BASE, AFGHANISTAN
 TELECOMMUNICATIONS
 LEGEND, ABBREVIATIONS,
 SYMBOLS AND GENERAL NOTES

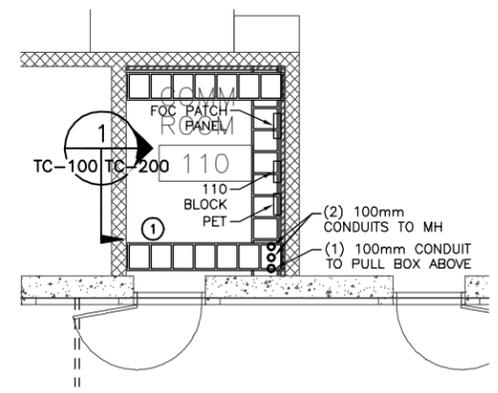
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REFERENCE
NUMBER:
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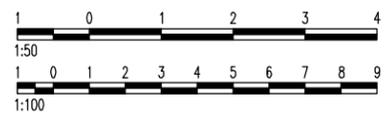
ENLARGED PLAN
TC-100 TC-100

GROUND FLOOR PLAN
SCALE = 1:100 TC-100 TC-100



ENLARGED PLAN - COMM ROOM 110
SCALE = 1:50 TC-100 TC-100

KEYED NOTES:
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US Army Corps of Engineers
Middle East District

TETRA TECH

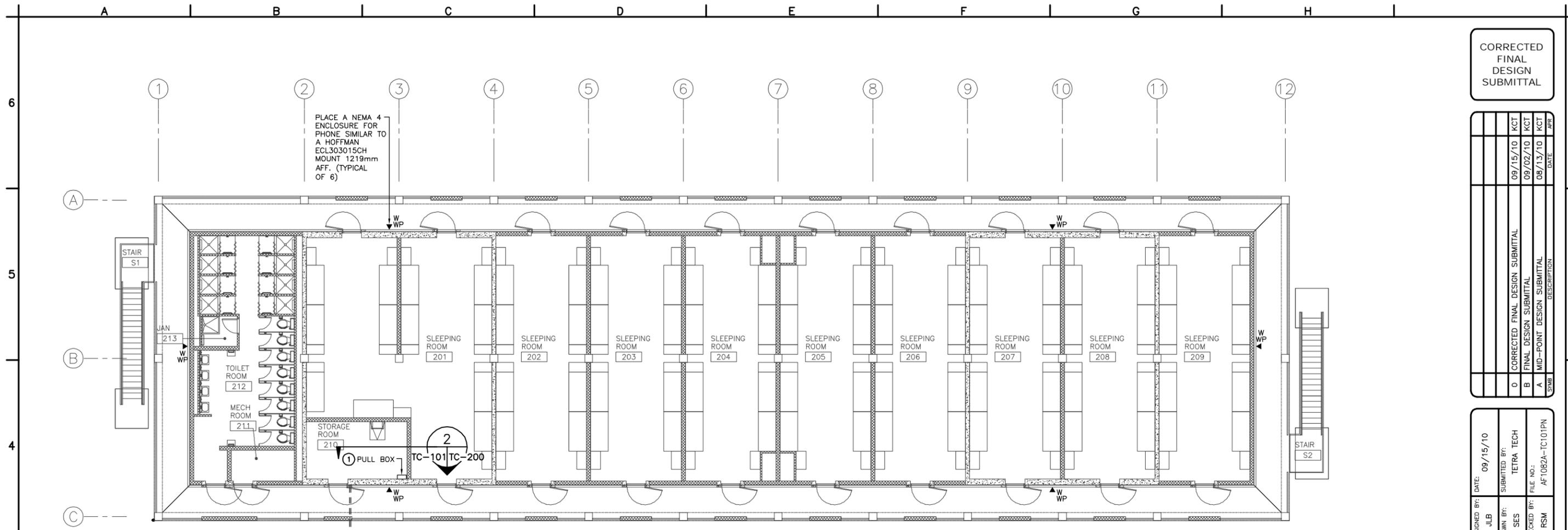
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GROUND FLOOR TELECOMMUNICATIONS LAYOUT PLAN

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TC-100

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FIRST FLOOR PLAN
SCALE = 1:100

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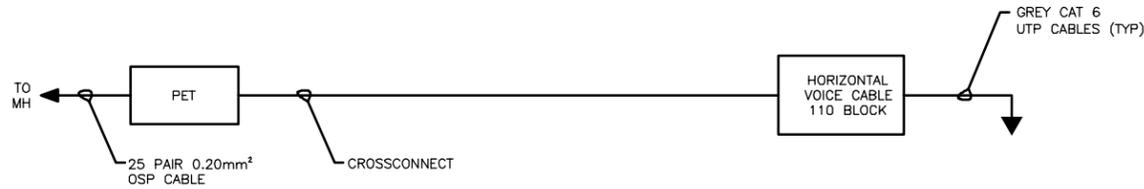
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FIRST FLOOR
 TELECOMMUNICATIONS
 LAYOUT PLAN

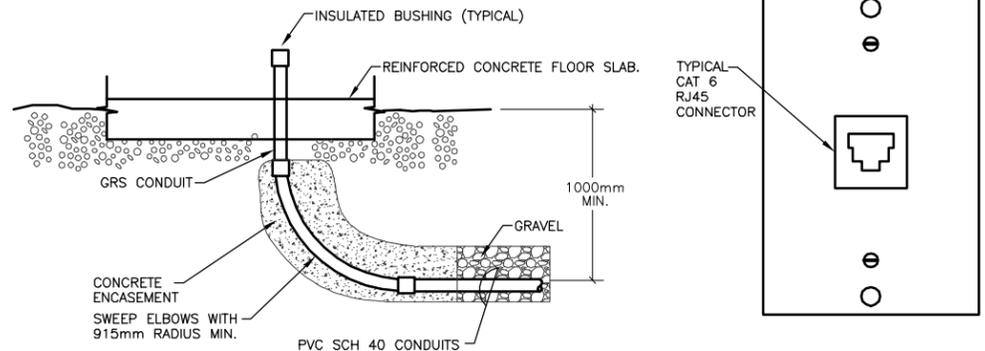
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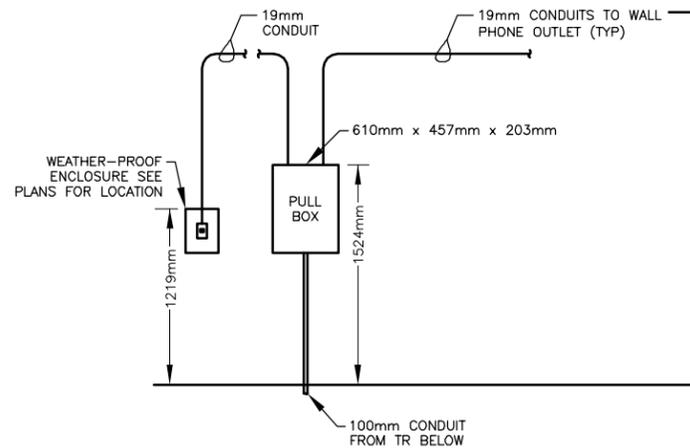


ALL DEVICES WALL MOUNTED
VOICE ONE-LINE DIAGRAM
N.T.S.

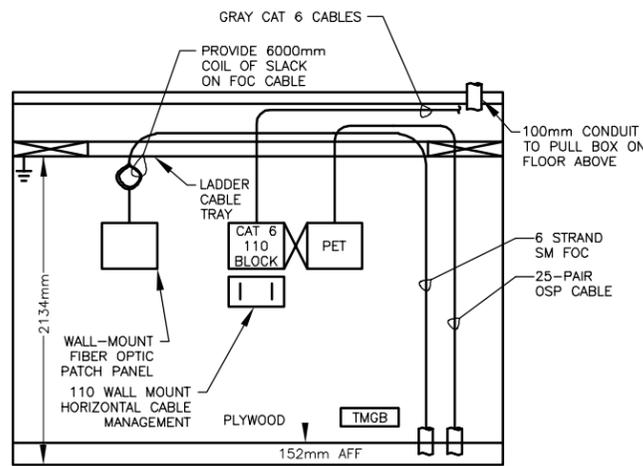


COMMUNICATIONS SERVICE ELEVATION
N.T.S.

TYPICAL WALL TELEPHONE OUTLET
N.T.S.

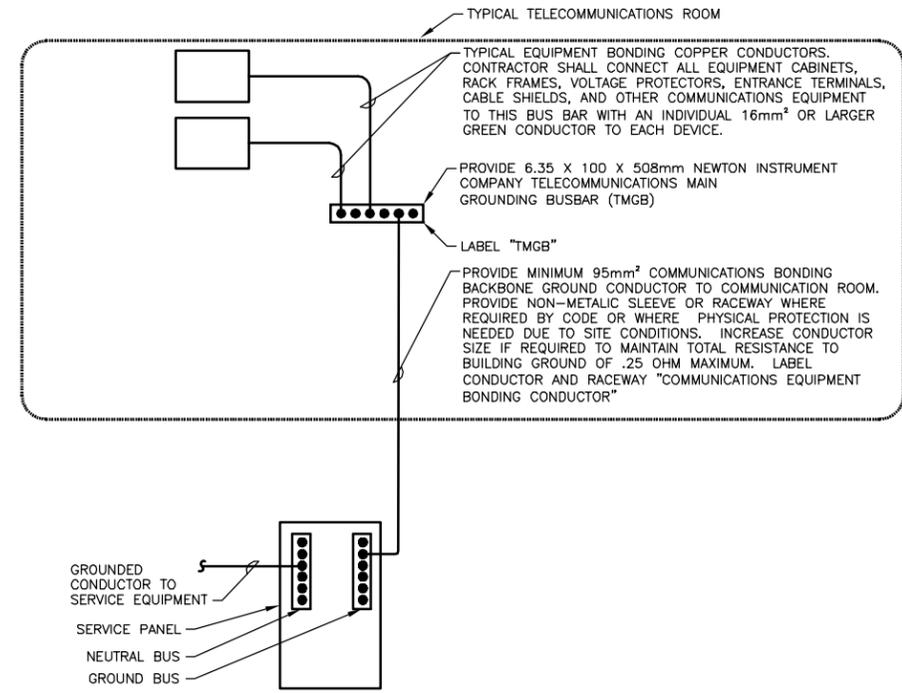


WALL ELEVATION 2
SCALE 1:25 TC-100 TC-200

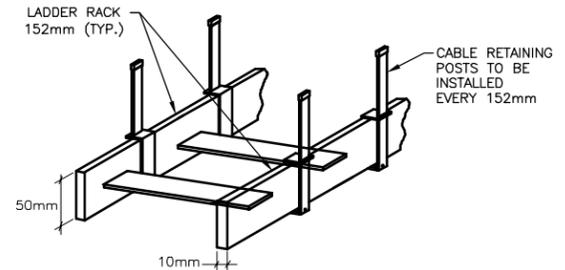


WALL ELEVATION 1
SCALE 1:25 TC-100 TC-102

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ELECTRICAL SYSTEM AND ANSI J-STD-607-A COMMUNICATIONS GROUNDING AND BONDING
N.T.S.



CABLE LADDER TRAY DETAIL COMMUNICATION ROOM ONLY
N.T.S.



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Middle East District

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AUSTERE STANDARD DESIGNS - PHASE 5
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KANDAHAR AIR BASE, AFGHANISTAN

TELECOMMUNICATIONS DETAILS

SHEET REFERENCE NUMBER:
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