Welcome to the Technical Luncheon!

Presented by:

SAME
Albuquerque Post
Tularosa Basin Post

Before We Begin

- Please type your name/title, company name, and email address into the chat box
- Indicate if you would like a PDH for today's technical presentation
- Feel free to strike up a chat—we will begin in a few minutes!

Society of SAME American Military Engineers

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Albuquerque Post

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Dedicated to National Security Since 1920

Albuquerque Post
Tularosa Basin Post

“Beddown Planning & Operation Allies Welcome"

Presented By:

Maj Cristina Behrens

MSgt Praneel Chetty

Today’s Topic

Society of SAME American Military Engineers

Meet our Speaker

Major Cristina Behrens

Major Cristina A. Behrens serves as the Director of Operations for the 635th Materiel Maintenance Squadron at Holloman AFB, New Mexico. Major Behrens was commissioned into the US Air Force in 2012, has served in a variety of engineering and leadership positions at the Squadron level and has deployed twice. In her current role, she leads 208 military and civilians in the Air Force's sole military Basic Expeditionary Airfield Resources (BEAR) unit which manages and maintains over 3,000 combat equipment packages worth $623M. As the BEAR Center of Excellence, her team delivers worldwide expeditionary engineering support to 11 combatant commands.

Society of SAME American Military Engineers

Meet our Speaker

Master Sergeant Praneel Chetty

Master Sergeant Praneel K. Chetty serves as the Infrastructure Superintendent for three section within the 49th Civil Engineer Squadron at Holloman AFB, New Mexico. In this role, he leads 78 Airmen and civilians as part of Air Education and Training Command's third-largest Civil Engineer Squadron supporting the Air Force's largest flight training mission. Sergeant Chetty leads his team in executing maintenance and repair operations on 2,200 climate controlled systems, $172M water well system, 350 fire hydrants, refurbishes $58M sanitary sewer system, 790K feet water mains, and treats 1M gallons of water/day for 1,300 facilities, valued at $2.68B, and sustaining infrastructure for F-16 and MQ-9 pilot training.

OVERVIEW

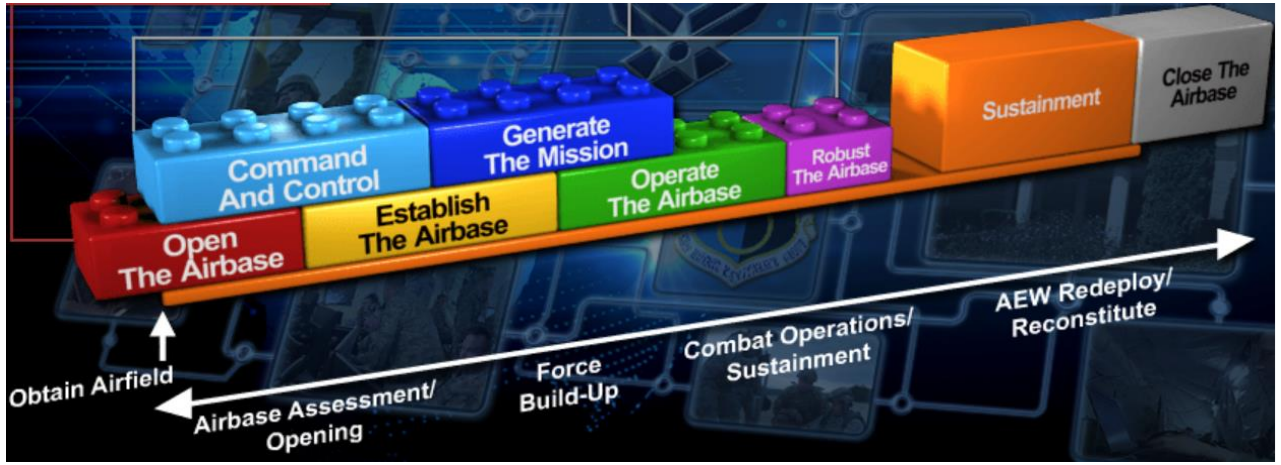
- Beddown Concepts
- Operation Order
- Operation Planning
- Cargo Deployment
- Building the Base
- Operation Allies Welcome

BEDDOWN CONCEPTS

- Beddown – Deployment/relocation of military assets and personnel
- Bare Base – Site with a usable runway, taxiway, aprons and a source of water that can be made potable
- War Reserve Materiel
- Basic Expeditionary Airfield Resources (BEAR)

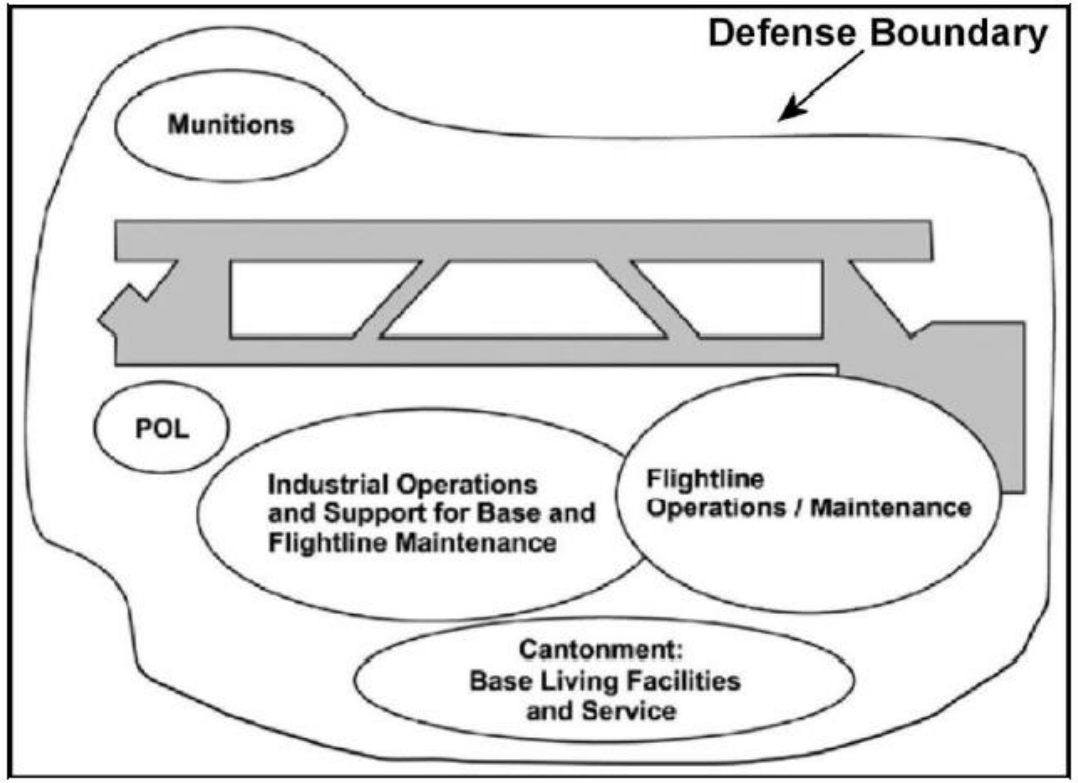
OPERATION ORDER

- Mission Objectives
- Number of Aircraft
- Number of Personnel
- Timeline
- Deployment Duration



OPERATION PLANNING

- Mission Analysis: Terrain, Climate, Energy, Water
- Course of Action Development: Knowns, Assumptions, LIMFACs

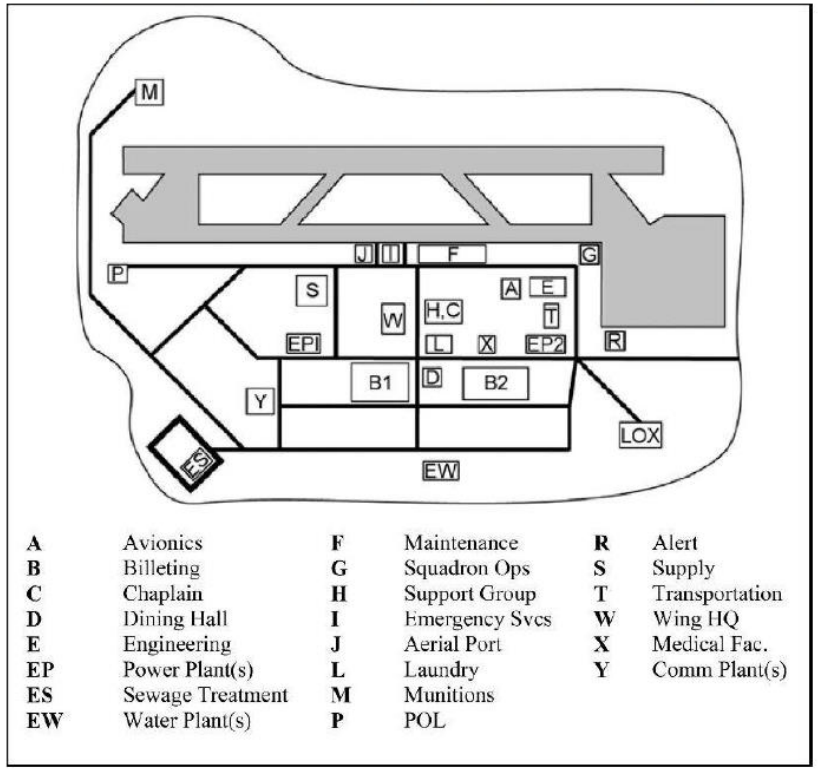


	PERSONNEL FLOW →													
CAPABILITY UTCs	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500
Billeting (12 SSS)	2	+2 (4)	+2 (6)	+2 (8)	+2 (10)	+1 (11)	+2 (13)	+2 (15)	+1 (16)	+2 (18)	+2 (20)	+2 (22)	+1 (23)	+2 (25)
ECUs (12 ECUs)	4	+3 (7)	+2 (9)	+2 (11)	+3 (14)	+2 (16)	+2 (18)	+2 (20)	+1 (21)	+4 (25)	+3 (28)	+2 (30)	+1 (31)	+2 (33)
Showers/Latrines (1 each)	1	+1 (2)	+1 (3)	+1 (4)	+1 (5)	+1 (6)	+1 (7)	+1 (8)	+0 (8)	+1 (9)	+1 (10)	+1 (11)	+1 (12)	+0 (12)
Messing UTCs (1 SPEK, 1 MSS)	1	+0 (1)	+0 (1)	+0 (1)	+1 (2)	+0 (2)	+0 (2)	+0 (2)	+0 (2)	+1 (3)	+0 (3)	+0 (3)	+0 (3)	+0 (3)
SDCs (2 SDCs)	4	+4 (8)	+4 (12)	+4 (16)	+4 (20)	+4 (24)	+4 (28)	+4 (32)	+4 (36)	+4 (40)	+4 (44)	+4 (48)	+0 (48)	+0 (48)
Power (Low Voltage)*	1	+0 (1)	+0 (1)	+0 (1)	+1 (2)	+0 (2)	+0 (2)	+0 (2)	+0 (2)	+1 (3)	+0 (3)	+0 (3)	+0 (3)	+0 (3)
Power (High Voltage)**	1	+0 (1)	+1 (2)	+0 (2)	+1 (3)	+0 (3)	+1 (4)	+0 (4)	+0 (4)	+1 (5)	+0 (5)	+1 (6)	+0 (6)	+0 (6)
Power Distribution (1 Cbl Reel)	2	+0 (2)	+2 (4)	+0 (4)	+2 (6)	+0 (6)	+2 (8)	+0 (8)	+0 (8)	+2 (10)	+0 (10)	+2 (12)	+0 (12)	+0 (12)
External Lighting	4	+0 (4)	+0 (4)	+0 (4)	+4 (8)	+0 (8)	+0 (8)	+0 (8)	+0 (8)	+4 (12)	+0 (12)	+0 (12)	+0 (12)	+0 (12)
Water Distro (Initial)	1	+0 (1)	+0 (1)	+0 (1)	+1 (2)	+0 (2)	+0 (2)	+0 (2)	+0 (2)	+1 (3)	+0 (3)	+0 (3)	+0 (3)	+0 (3)
Water Distro (Follow-on)	0	+0 (0)	+1 (1)	+0 (1)	+0 (1)	+0 (1)	+1 (2)	+0 (2)	+0 (2)	+0 (2)	+0 (2)	+1 (3)	+1 (3)	+1 (3)
Chaplain (1 SSS)	1	+0 (1)	+0 (1)	+0 (1)	+1 (2)	+0 (2)	+0 (2)	+0 (2)	+0 (2)	+1 (3)	+0 (3)	+0 (3)	+0 (3)	+0 (3)
Supply (2 SSS, MHE)	1	+0 (1)	+0 (1)	+0 (1)	+1 (2)	+0 (2)	+0 (2)	+0 (2)	+0 (2)	+1 (3)	+0 (3)	+0 (3)	+0 (3)	+0 (3)
Mortuary (1 SSS, 2 ADR)	1	+0 (1)	+0 (1)	+0 (1)	+1 (2)	+0 (2)	+0 (2)	+0 (2)	+0 (2)	+1 (3)	+0 (3)	+0 (3)	+0 (3)	+0 (3)
TFE (1 SSS, 1 ADR)	1	+0 (1)	+0 (1)	+0 (1)	+1 (2)	+0 (2)	+0 (2)	+0 (2)	+0 (2)	+1 (3)	+0 (3)	+0 (3)	+0 (3)	+0 (3)
CE (5 SSS)	1	+0 (1)	+0 (1)	+0 (1)	+1 (2)	+0 (2)	+0 (2)	+0 (2)	+0 (2)	+1 (3)	+0 (3)	+0 (3)	+0 (3)	+0 (3)
Admin (4 SSS)	1	+0 (1)	+0 (1)	+0 (1)	+1 (2)	+0 (2)	+0 (2)	+0 (2)	+0 (2)	+1 (3)	+0 (3)	+0 (3)	+0 (3)	+0 (3)

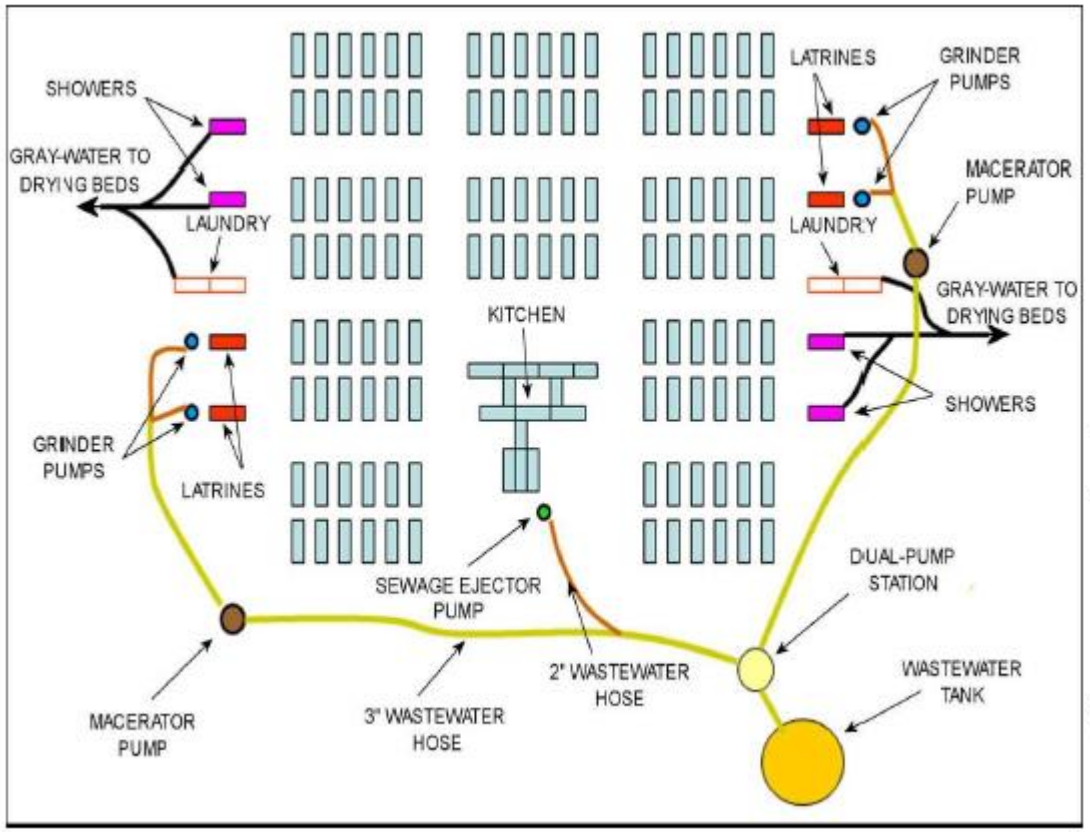
OPERATION PLANNING (CONT)

- Course of Action Analysis: Is it supportable?
  - Power
  - Water
  - Waste Water
  - Fuel
  - Refuse
  - Environmental

Example 1,100-Person Facility Layout Before Expansion

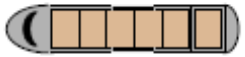
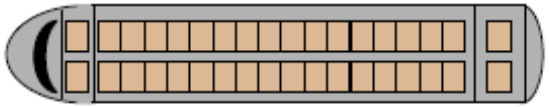
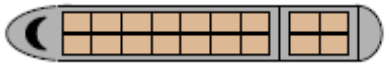
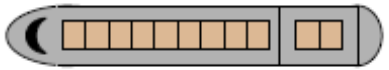


A	Avionics	**F**	Maintenance	**R**	Alert
B	Billeting	**G**	Squadron Ops	**S**	Supply
C	Chaplain	**H**	Support Group	**T**	Transportation
D	Dining Hall	**I**	Emergency Svcs	**W**	Wing HQ
E	Engineering	**J**	Aerial Port	**X**	Medical Fac.
EP	Power Plant(s)	**L**	Laundry	**Y**	Comm Plant(s)
ES	Sewage Treatment	**M**	Munitions		
EW	Water Plant(s)	**P**	POL		



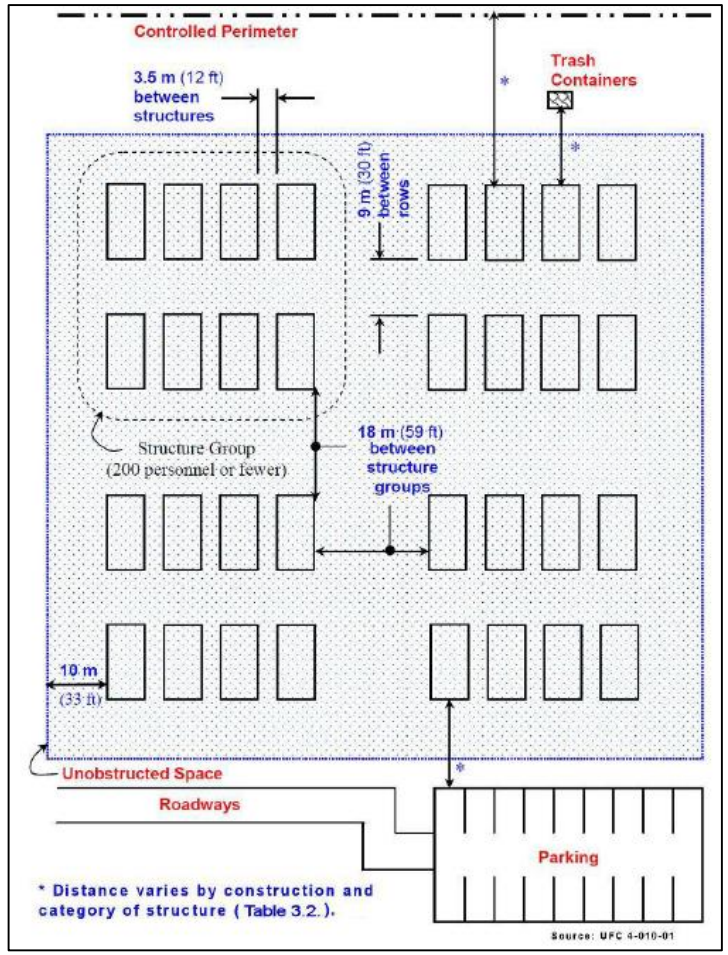
CARGO DEPLOYMENT

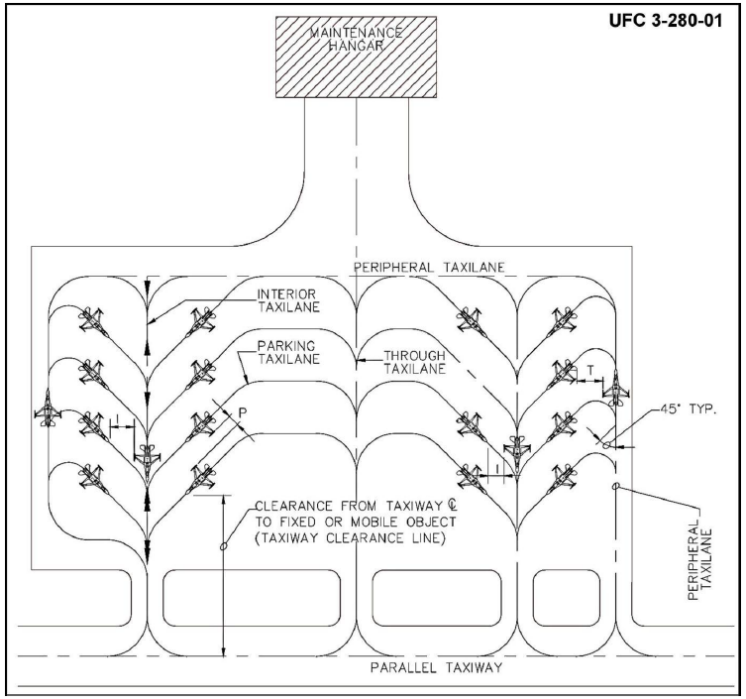
- WRM Storage
- Load Plans
- Cargo Prep

C-130	6 Pallets 108” Wide	
C-5	36 Pallets 108” Wide	
C-17 (LRS Configuration)	18 Pallets 88” Wide	
C-17 (ADS Configuration)	11 Pallets 108” Wide	

BUILDING THE BASE

Major Task	Time (D + X) Requirement	Definition
Site Survey	1 – 5 Days	Develop BEAR assets, locate NAVAIDS and lay out base.
Site Preparation	1 – 10 Days	Clear land, establish access to raw water, construct gravel roads, establish drainage and construct POL and munitions revetments.
Airfield Lighting	D + 2 Days	Set up Expeditionary Airfield Lighting System (EALS).
Barriers	D + 30 Days	Install and maintain aircraft barriers.
Utility Lines and Shelter Locations	D + 5 Days	Stake facility locations.
Electrical Distribution	D + 10 Days	Install high-voltage cables, connect PSC (or PDC) & SDC and provide electric power to shelters.
Power Production	D + 2 Days	Set up MEP-12 generators/Interim BEAR Power Unit.
Water Treatment and Distribution	D + 10 Days	Lay water lines; develop water and waste program.
Civil Engineer Shelters	4 Days	Erect CE shops, office and billets. Provide technical assistance to other functional areas.
Static Grounds	4 Days	Locate/establish static grounds.
Paint Striping	D + 2 Days	Mark taxiways and runways.





OPERATION ALLIES WELCOME

Holloman Air Force Base, New Mexico, August 26, 2021. The Department of Defense, through U.S. Northern Command, and in support of the Department of Homeland Security, were tasked to provide transportation, temporary housing, medical screening, and general support for up to 50,000 Afghan evacuees at suitable facilities, in permanent or temporary structures, as quickly as possible. This initiative provides Afghan personnel essential support at secure locations outside Afghanistan.

OPERATION ALLIES WELCOME

- Planning Timeline
  - 21 Aug BEAR Tasking for 5,000 Cots for Overseas Location
  - 23 Aug Warning Order for Holloman AFB (Site Surveys)
  - 24 Aug Red Horse Advon Team Arrived (Initial Camp Layout and UTC list for 5K ASIs)
  - 24 Aug COA Development for JTF-H Camp (Initial UTC list for 1200+ JTF pers)
  - 25 Aug Refining Camp Layouts and UTC lists for both camps
  - 26 Aug Operation Order for Holloman AFB (Finalized Site Selection)
    - 1000 OPORD
    - 1100 Started Cargo pre-positioning in BEAR compound
    - 1200 Site Selected
    - 1630 Started delivering/staging cargo at the JTF-H Camp Site

OPERATION ALLIES WELCOME

- Cargo Prep & Site Prep







OPERATION ALLIES WELCOME

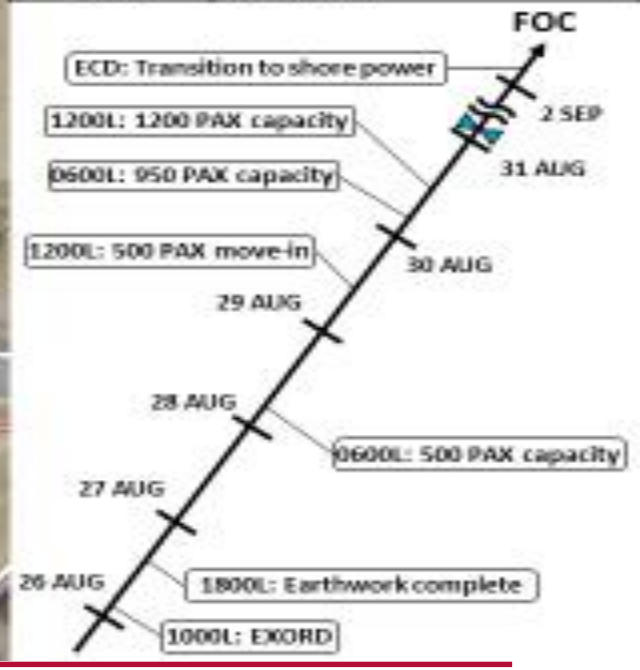
635 MMG SUPPORT AREAS (CAO 31 OCT 21, 0700L)	
1	JTF-H Life Support Area (111 SSS - 1,296 bed spaces)
2	Afghan Special Immigrant In-Processing (2 MSS)
3	Aman Omid Village (2 MSS - Prayer/Gathering; 12 SSS - COVID)
4	Holloman AFB DFAC (1 ADR - Cold Food; 4x 20’ Conex - Dry Food)
5	JTF-H Fire Station (4 SSS – Living/Work Space, 2 MSS - Vehicles)
6	Red Cross Receiving/Sorting (Temp Fence)

26 AUG – 7 SEP 21	OPERATION ALLIES WELCOME
UTCs	86
Assets	16,413
UTC Value	$15,222,104.71
Weight (lbs)	1,383,221
Weight (tons)	692
Increments	179
Trucks	59
Bobtails	14
Movement Cost	$0

JOINT TASK FORCE CAMP

OAR – Holloman Site Picture JTF LSA

STATUS (CAO 31AUG21, 1400L)	
100%	Earthwork
100%	Base Course
100%	Tent Setup
99%	Electrical (pending transformer connection)
100%	Mechanical



JOINT TASK FORCE CAMP

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AFGHAN CAMP

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QUESTIONS