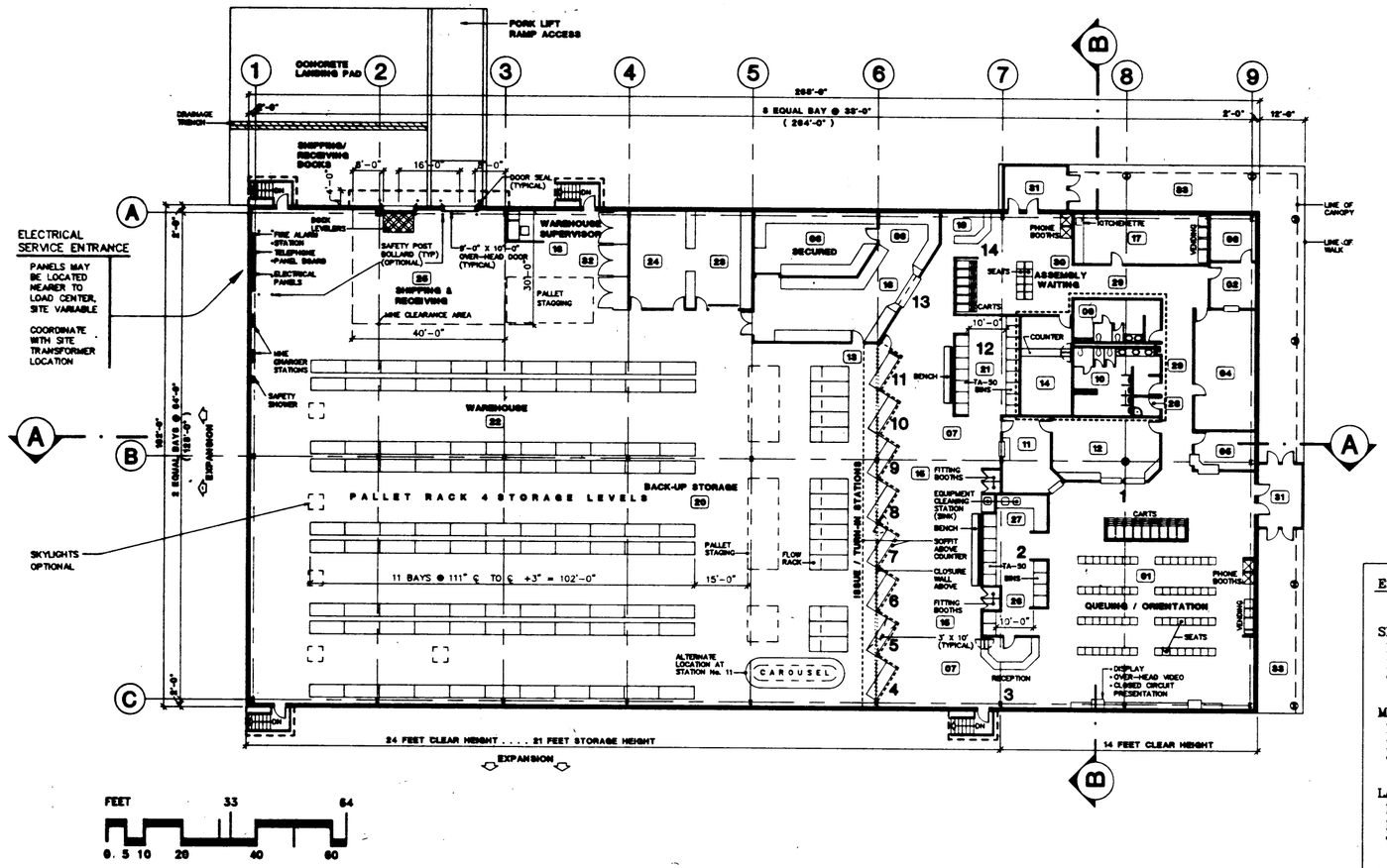

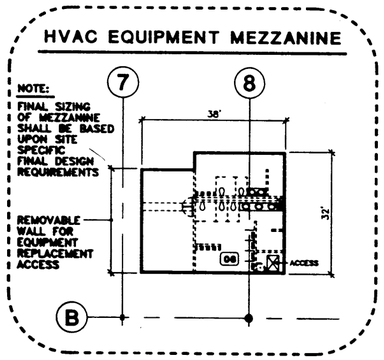

FLOOR PLAN -- SMALL

CENTRAL ISSUE FACILITY - (CIF)

DEFINITIVE DESIGN

WIDE AISLE APPROACH - 817 PALLET POSITIONS PROVIDED

- FUNCTIONAL / OPERATIONAL LAYOUT
- 2,000 - 7,500 TROOPS
- STAFFING LEVEL - - 8 TO 10

ESTIMATED ELECTRICAL LOADS:

	CONNECTED	DEMAND
SMALL CIF		
Lighting	72 KW	72 KW
Power*	94 KW	53 KW
Total	166 KW	125 KW
MEDIUM CIF		
Lighting	100 KW	100 KW
Power*	127 KW	72 KW
Total	227 KW	172 KW
LARGE CIF		
Lighting	124 KW	124 KW
Power*	157 KW	89 KW
Total	281 KW	213 KW

* Power for Materials Handling Equipment will be determined as necessary to supply the MHE installed.

ROOM & AREA TABULATION

ROOM NUMBER	DESCRIPTION	SMALL AREA
01	QUEUING / ORIENTATION	3,743
02	PROPERTY BOOK OFFICER	170
03	CIF MANAGER	170
04	PROPERTY SECTION	595
05	CUSTOMER ASSISTANCE	200
06	SPECIAL ISSUE	920
07	ISSUE/TURN-IN AISLE	2,736
08 *	HVAC MEZZANINE	573
09	FEMALE TOILETS	290
10	MALE TOILETS	400
11	CASHIER	340
12	RECORDS HOLDING AREA	570
13	DX AREA	___ (INCL. IN 22)
14	QUICK-FIX AREA	380
15	FITTING BOOTHS	80
16	WAREHOUSE SUPERVISOR	80
17	EMPLOYEE BREAK ROOM	500
18	SPECIAL MOS TURN-IN	660
19	FINAL OUT PROCESSING	180
20	BACK-UP STORAGE	___ (INCL. IN 22)
21	EQUIPMENT VERIFICATION	489
22	WAREHOUSE AREA (INCL. ISSUE/ TURN-IN STATIONS AND DX)	17,771
23	CLASSIFICATION AREA	445
24	REPAIR AREA	445
25	MHE AREA/SHIPPING & RECEIVING	2,040
26	PRE-RECEPTION INSPECTION	435
27	EQUIPMENT CLEANING AREA	132
28	UTILITY	50
29	CORRIDOR CIRCULATION	710
30	FINAL OUT ASSEMBLY/WAITING AREA	765
31	ENTRY / EXIT VESTIBULES	430
32	SECURED RECORD STORAGE	120
33	COVERED WALKS/CANOPY	1,156 (2,312 S.F. X .50)

GROSS BUILDING AREA = 37,535 S.F.

NOTE:
* FINAL SIZING BASED UPON SITE SPECIFIC FINAL DESIGN REQUIREMENTS

ELECTRICAL DESIGN OBJECTIVES

The majority of the electrical system required for the operation of the Central Issue Facility is comprised of lighting, power receptacles, and fractional horsepower motors. The electrical characteristics shall be chosen to supply the electrical loads in the most economical manner. The interior and exterior lighting levels are established by the Architectural and Engineering Instructions. Special task lighting should be provided where and as required by user need. The warehouse lighting shall be installed with energy-saving lamps and ballast. All interior areas, other than the warehouse area shall be illuminated using fluorescent lighting fixtures. The warehouse area shall be illuminated with high intensity discharge (HID) lighting fixtures, in general metal halide. Emergency supplemental incandescent or fluorescent lighting of 1 foot-candle shall be provided along all exit aisles and walkways. Exterior electrical distribution shall be designed in accordance with TM 5-811-1. Interior electrical distribution, lighting, and communication and signaling systems shall be designed in accordance with TM 5-811-2 unless otherwise indicated.

The loading dock shall be provided with dock lights per requirements set forth in the Architectural and Engineering Instructions. The exterior of the building shall be illuminated for security with an energy-efficient lighting system. The truck dock door shall be illuminated with building-mounted lighting fixtures. All exterior lighting shall be controlled using a combination of photo-cell on, time clock off. The parking area shall be illuminated and exit and pathway lighting shall be provided. An emergency power shut-off device shall be provided at a primary personnel exit.

The facility shall be equipped with a fire alarm evacuation system and public address system. The fire alarm system shall be connected to the base-wide fire reporting system or constantly monitored by the central station or other similar service. A telephone system shall be provided per TM 5-811-2 to all office areas and the shipping/receiving area of the warehouse. Installation shall be coordinated with the appropriate U.S. Army Information Systems Command (USAISC) element. Pay telephone booths shall be provided in the vicinity of the main entrance and exit. An intercom system shall be provided per TM 5-811-2 for voice communications between offices, shipping and receiving, at various areas throughout the warehouse area and in the vicinity of the issue/turn-in line. The intercom system shall have the sufficient speakers to allow clear communications throughout the facility. Battery charging receptacles shall be provided for fork-lift equipment.

Other features to be incorporated into the design of this facility include a closed circuit television system for use in the Queuing/Orientation Area to be utilized to convey instructions and other informational data to the troops waiting to be serviced. At those istallations where security problems can be anticipated, an Intrusion Detection System (IDS) is an optional feature that can be incorporated into the final design of the facility. Where warranted by site conditions, installation of a lightning protection system per TM 5-811-3 shall be given consideration.

The estimated connected loads and demand loads for this facility are shown in the Table of Loads at the left.

REVISIONS

SYMBOL	ZONE	DESCRIPTION	DATE	BY

THE ORB ORGANIZATION

U.S. ARMY ENGINEER DISTRICT, SEATTLE CORPS OF ENGINEERS SEATTLE, WASHINGTON

Department of the Army
Facility Standardization Program

CENTRAL ISSUE FACILITY
DEFINITIVE DESIGN
US Army Troop Support Agency

TSA

SIZE	DRAWING NO.	FILE NO.	DATE	PLATE
	DAEA67-89-C-0084	441-11-01 442-18-01	OCT 30, 1991	11
DSGN.	CHK.		SHEET 11 OF 13	

Drawing 89029011 was last edited at 7:53 p.m. on 08-11-1991.