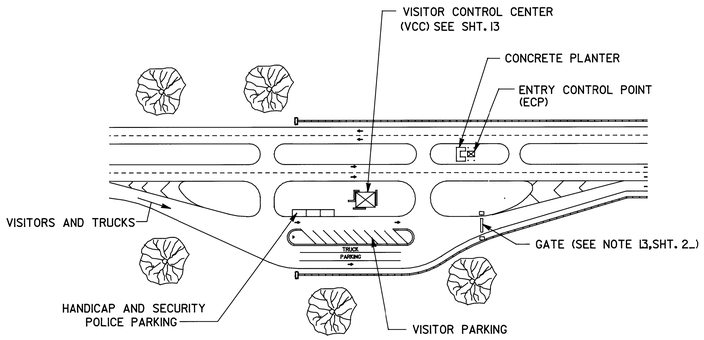
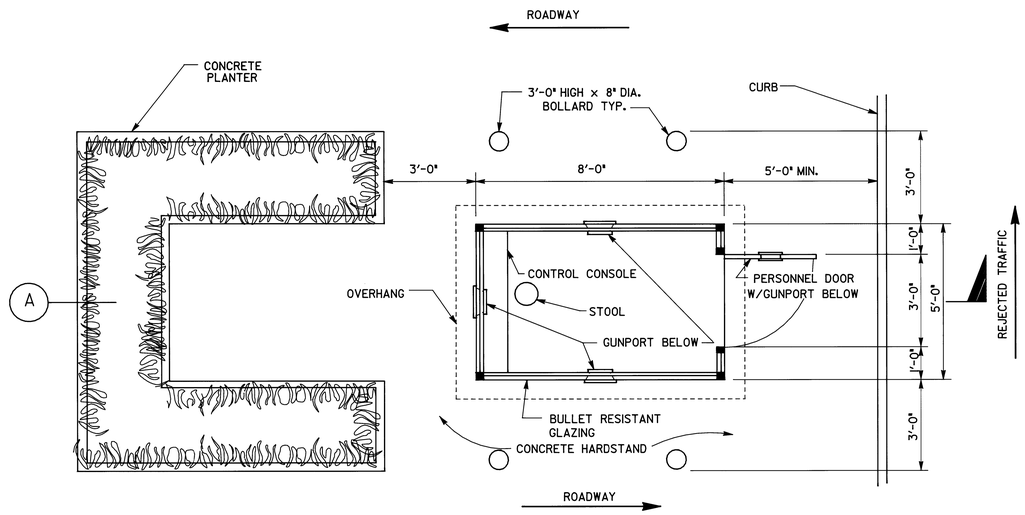


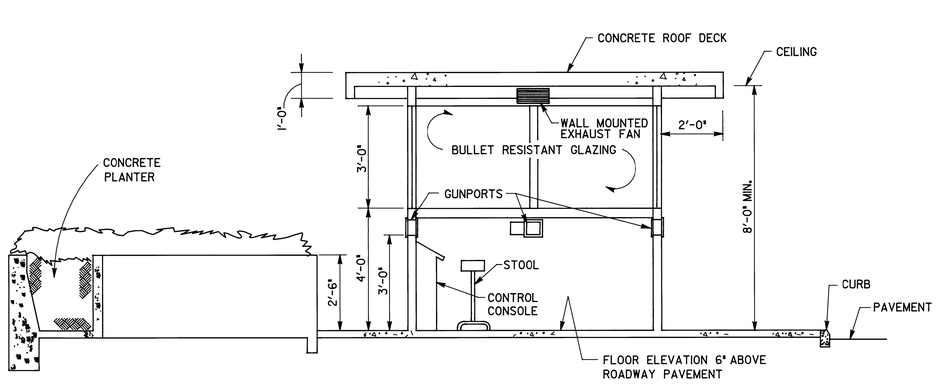
GENERAL FACILITY PLAN

N.T.S.



FLOOR PLAN

SCALE: ½"=1'-0"

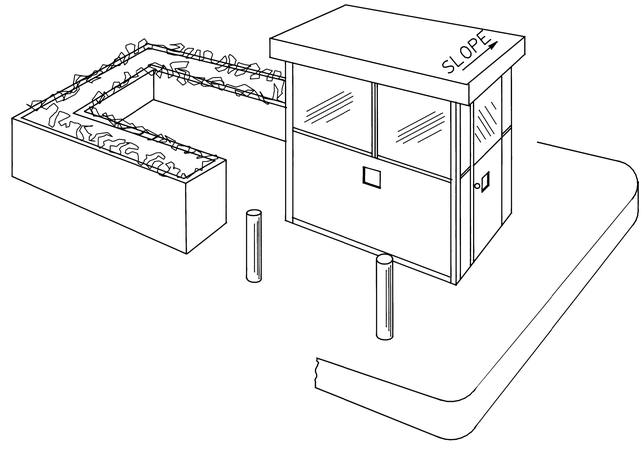


SECTION A

SCALE: ½"=1'-0"

OPTIONS

1. BULLET RESISTANT WINDSHIELD FOR GUARD POSTED AT EXTERIOR.
2. BOLLARDS OR CONCRETE PLANTER AT DOOR SIDE OF SHELTER.
3. REST ROOM.



PERSPECTIVE

NOTES

ARCHITECTURAL

1. THE PERSPECTIVE INDICATED IS NOT INTENDED TO ESTABLISH ARCHITECTURAL DESIGN TREATMENT OR ARCHITECTURAL STYLE. WHERE POSSIBLE, USE OF LOCAL MATERIALS IS DESIRED, BUT IT IS NOT INTENDED THAT EXTREME DESIGN OR UNTRIED MATERIALS BE INCORPORATED. UNLESS NOTED TO THE CONTRARY, WINDOW AND DOOR LOCATIONS AND DIMENSIONS ARE APPROXIMATE AND SERVE AS A DESIGN GUIDE.
2. WALLS, DOORS, AND WINDOWS OF THE STRUCTURE'S BULLET RESISTANT PERIMETER SHALL BE DESIGNED TO PROTECT PERSONNEL AGAINST THE HIGH POWERED RIFLE THREAT AS DEFINED IN UL-752. WALLS SHALL BE REINFORCED CONCRETE, MINIMUM THICKNESS 5 INCHES (12.7CM). DOORS AND WINDOW ASSEMBLIES, HARDWARE, AND ANCHORS SHALL BE BULLET RESISTANT TO HIGH POWERED RIFLE THREAT (UL-HPR) AS DEFINED IN UL-752.
3. CONSIDERATION WILL BE GIVEN TO A PRE-ENGINEERED INSULATED BULLET RESISTANT METAL BUILDING. BULLET RESISTANCE SHALL BE AS DEFINED BY UL-752 FOR HIGH POWERED RIFLE FIRE UL-HPR.
4. DOOR SHALL BE LOCATED SO SECURITY PERSONNEL MAY HAVE ACCESS FROM BACK SIDE. CONTROL CONSOLE SHALL BE LOCATED SUCH THAT SECURITY PERSONNEL SHALL NOT BE IN A DIRECT LINE OF FIRE THRU EITHER DOOR WHEN DOOR IS IN THE OPEN POSITION. CONTROL CONSOLE SHALL BE USED TO ENGAGE VEHICLE BARRICADES WHEN REQUIRED.
5. THE STRUCTURE'S INTERIOR SHALL CONSTITUTE A FIGHTING POSITION FOR SECURITY PERSONNEL. MANUALLY-OPERATED GUN PORTS SHALL BE POSITIONED BELOW EACH EXTERIOR WINDOW AS SHOWN. GUN PORTS SHALL BE AT A HEIGHT TO PERMIT ALERT FORCE PERSONNEL TO FIRE FROM A KNEELING POSITION.
6. REFER TO SHEET 11 FOR THE REQUIREMENTS TO PROVIDE PROTECTIVE CONSTRUCTION AGAINST THE EFFECTS OF AN EXPLOSION AT THE VEHICLE BARRIER.
7. FIRING PORTS SHALL BE DESIGNED TO BE FUNCTIONAL WITH THE M-16 HIGH PROFILE SIGHT PLANE.

STRUCTURAL

1. DIMENSIONS MAY BE ADJUSTED FOR STRUCTURE ADAPTATIONS. LIVE LOADS SHALL BE IN ACCORDANCE WITH TM 5-809-1.

PLUMBING

1. NONE REQUIRED UNLESS REST ROOM OPTION IS PROVIDED.

MECHANICAL

1. HEATING AND VENTILATING SHALL BE DESIGNED FOR LOCAL CONDITIONS AND SHALL BE IN ACCORDANCE WITH ARCHITECT AND ENGINEERING INSTRUCTIONS AND TM 5-810-1. FRESH AIR INTAKES SHALL BE LOCATED IN OUTSIDE WALL IN A NON-VULNERABLE AREA OR PROTECTED WITH SUITABLE BAFFLES.

ELECTRICAL

1. POWER SERVICE SHALL BE UNDERGROUND.
2. THE INTERIOR LIGHTING INTENSITIES SHOWN ARE AT WORKING LEVEL. ALL LAMPS SHALL BE RAPID-START FLOURESCENT TYPE.
3. EXTERIOR LIGHTING SHALL PROVIDE A MINIMUM LEVEL OF 2.0 FOOTCANDLES HORIZONTAL ILLUMINATION MEASURED 6 INCHES ABOVE GROUND LEVEL. THE AREA ILLUMINATED SHALL BE NOT LESS THAN 100 FEET OUTWARD FROM THE CONTROL POST AND SHALL EXTEND 25 FEET TO EITHER SIDE OF THE ROAD OR WALKWAY. EXTERIOR LIGHTING CONTROLS SHALL BE LOCATED IN THE VISITOR CONTROL CENTER.
4. ELECTRICAL CONTROLS FOR THE VEHICLE BARRICADES AND ANY GATES SHALL BE LOCATED ON BOTH THE ENTRY CONTROL POINT AND THE VISITOR CONTROL CENTER.
5. LOCATION OF POWER AND CONVENIENCE OUTLETS SHALL BE SELECTED BY THE DESIGN AGENCY.
6. FOOT OPERATED SWITCHES MAY BE USED TO OPERATE VEHICLE BARRICADES.
7. PROVIDE TELEPHONE, RADIO & ALARM SERVICES.

ELECTRICAL LOADS

LIGHTING	0.3 KW
RECEPTACLES	1.0 KW
HEATING	1.0 KW

DESIGN DATA AND ANALYSIS

ROOM	CLEAR HGT. REQUIRED	MINIMUM SIZE INTERIOR	MINIMUM SIZE SQ. FT.	DESIGN LOADS	ELECTRICAL LIGHTING F.C.	REMARKS AND ADDITIONAL REQUIREMENTS
ENTRY CONTROL POINT	8'-0" MIN. HEADROOM	4'-6" x 7'-6"	35	SEE NOTES	50	PROVIDE SUITABLE NIGHT LIGHTING (RED LIGHTS OR DIMMER CONTROL).

Symbol	Description	Date	Approved
	Revisions		
1	GENERAL REVISIONS - SHEET REDRAWN	27 FEB 89	AQ

U.S. ARMY ENGINEER DIVISION, HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA

Site adapt A/E :

US Army Corps of Engineers

ENTRY POINTS FOR U.S. ARMY INSTALLATIONS

ENTRY CONTROL POINT

Dwn. by : PWB	Ckd. by : BK		
Reviewed by : A. Tousaint	Date : 27 FEB 89	Sheet reference number : 13	Design file no. : Rev. 1
Approved by :	Drawing code : DEF 872-50-01		Sheet 13 of 14