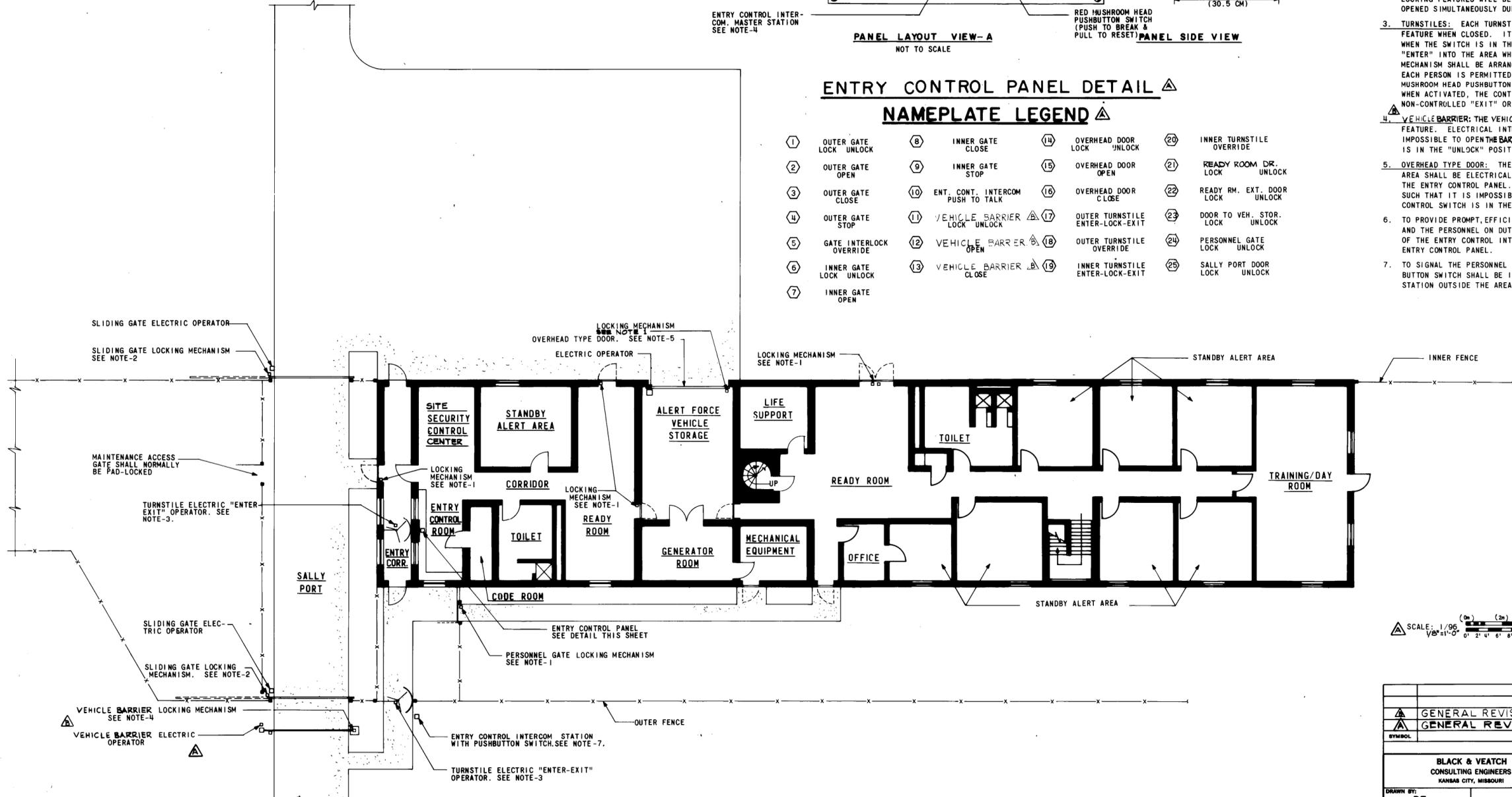


- NOTES:**
- LOCKING MECHANISMS:** THE SPRING RETURN FEATURE OF THE SELECTOR SWITCH CONTROLLING EACH LOCKING MECHANISM WILL ASSURE THAT THE SWITCH WILL NOT BE INADVERTENTLY LEFT IN THE "UNLOCK" POSITION. THE LOCKING MECHANISM ASSOCIATED WITH EACH SELECTOR SWITCH SHALL BE SUITABLE AND BE CONNECTED FOR OPERATION ON THE I-D SYSTEM POWER SUPPLY. THIS WILL ASSURE THAT A POWER FAILURE WILL NOT RENDER THE LOCKING MECHANISM INOPERABLE. ALSO, THE CHARACTERISTICS OF THE LOCKING MECHANISM SHALL BE SUCH THAT A LOSS OF POWER WILL RESULT IN AN "UNLOCK" CONDITION SO THAT NO ONE WOULD BE DENIED "EXIT" FROM THE BUILDING DURING AN EMERGENCY.
  - SLIDING GATES:** CONTROLS FOR THE SLIDING GATES SHALL BE ON THE ENTRY CONTROL PANEL. THE CONTROLS SHALL INCLUDE A "STOP" BUTTON SO THAT IT WILL BE POSSIBLE TO STOP THE MOVEMENT OF EITHER GATE AT ANY POINT IN EITHER THE OPENING OR CLOSING CYCLE. THE SLIDING GATES SHALL EACH HAVE A POSITIVE LOCKING MECHANISM WHEN CLOSED. ELECTRICAL INTERLOCKING SHALL BE PROVIDED SUCH THAT IT SHALL BE IMPOSSIBLE TO OPEN EITHER GATE UNLESS ITS ASSOCIATED LOCKING MECHANISM CONTROL SWITCH IS IN THE "UNLOCK" POSITION. ADDITIONAL INTERLOCKS IN THE FORM OF LIMIT SWITCHES SHALL BE PROVIDED ON BOTH THE INNER AND OUTER GATES AND SO CONNECTED IN THE CONTROL CIRCUITS THAT ONE GATE CANNOT BE OPENED UNLESS THE OTHER GATE IS IN THE FULLY CLOSED POSITION. A SEPARATE RED MUSHROOM HEAD PUSHBUTTON SWITCH SHALL BE PROVIDED AND SO CONNECTED THAT WHEN ACTIVATED, THE INTERLOCKING FEATURES WILL BE OVERRIDDEN SO AS TO PERMIT BOTH GATES TO BE OPENED SIMULTANEOUSLY DURING AN EMERGENCY.
  - TURNSTILES:** EACH TURNSTILE MECHANISM SHALL HAVE A POSITIVE LOCKING FEATURE WHEN CLOSED. IT MUST NOT BE POSSIBLE TO "EXIT" FROM THE AREA WHEN THE SWITCH IS IN THE "ENTER" POSITION NOR SHOULD IT BE POSSIBLE TO "ENTER" INTO THE AREA WHEN THE SWITCH IS IN THE "EXIT" POSITION. THE MECHANISM SHALL BE ARRANGED SUCH THAT IT WILL AUTOMATICALLY LOCK AFTER EACH PERSON IS PERMITTED TO EITHER "ENTER" OR "EXIT". A SEPARATE RED MUSHROOM HEAD PUSHBUTTON SWITCH SHALL BE PROVIDED AND SO CONNECTED THAT WHEN ACTIVATED, THE CONTROL MECHANISM WILL BE DEACTIVATED SO AS TO PERMIT NON-CONTROLLED "EXIT" OR "ENTER" OPERATIONS FREELY, DURING AN EMERGENCY.
  - VEHICLE BARRIER:** THE VEHICLE BARRIER MECHANISM SHALL HAVE A POSITIVE LOCKING FEATURE. ELECTRICAL INTERLOCKING SHALL BE PROVIDED SUCH THAT IT IS IMPOSSIBLE TO OPEN THE BARRIER UNLESS THE LOCKING MECHANISM CONTROL SWITCH IS IN THE "UNLOCK" POSITION.
  - OVERHEAD TYPE DOOR:** THE OVERHEAD DOOR TO THE ALERT FORCE VEHICLE STORAGE AREA SHALL BE ELECTRICALLY OPERATED AND CONTROLLED ONLY BY SWITCHES ON THE ENTRY CONTROL PANEL. A POSITIVE LOCKING MECHANISM SHALL BE PROVIDED SUCH THAT IT IS IMPOSSIBLE TO OPEN THE DOOR UNLESS THE LOCKING MECHANISM CONTROL SWITCH IS IN THE "UNLOCK" POSITION.
  - TO PROVIDE PROMPT, EFFICIENT COMMUNICATIONS BETWEEN THE OUTER TURNSTILE AND THE PERSONNEL ON DUTY IN THE ENTRY CONTROL ROOM, THE TRANSCIEVER OF THE ENTRY CONTROL INTERCOM SYSTEM SHOULD BE INSTALLED ON OR NEAR THE ENTRY CONTROL PANEL.
  - TO SIGNAL THE PERSONNEL IN THE ENTRY CONTROL ROOM, A WEATHERPROOF PUSH-BUTTON SWITCH SHALL BE INSTALLED ADJACENT TO THE ENTRY CONTROL INTERCOM STATION OUTSIDE THE AREA.

**ENTRY CONTROL PANEL DETAIL**

**NAMEPLATE LEGEND**

① OUTER GATE LOCK UNLOCK	⑧ INNER GATE CLOSE	⑭ OVERHEAD DOOR LOCK UNLOCK	⑳ INNER TURNSTILE OVERRIDE
② OUTER GATE OPEN	⑨ INNER GATE STOP	⑮ OVERHEAD DOOR OPEN	㉑ READY ROOM DR. LOCK UNLOCK
③ OUTER GATE CLOSE	⑩ ENT. CONT. INTERCOM PUSH TO TALK	⑯ OVERHEAD DOOR CLOSE	㉒ READY RM. EXT. DOOR LOCK UNLOCK
④ OUTER GATE STOP	⑪ VEHICLE BARRIER LOCK UNLOCK	⑰ OUTER TURNSTILE ENTER-LOCK-EXIT	㉓ DOOR TO VEH. STOR. LOCK UNLOCK
⑤ GATE INTERLOCK OVERRIDE	⑫ VEHICLE BARRIER OPEN	⑱ OUTER TURNSTILE OVERRIDE	㉔ PERSONNEL GATE LOCK UNLOCK
⑥ INNER GATE LOCK UNLOCK	⑬ VEHICLE BARRIER CLOSE	⑲ INNER TURNSTILE ENTER-LOCK-EXIT	㉕ SALLY PORT DOOR LOCK UNLOCK
⑦ INNER GATE OPEN			



**GENERAL LAYOUT AT A SECURITY OPERATIONS BUILDING**

SCALE: 1/8"=1'-0" (1:96)



GENERAL REVISIONS		DFH	6/92	DM
GENERAL REVISIONS		HSMM	1/86	h2
SYMBOL	DESCRIPTION	BY	DATE	APPROVAL
REVISIONS				
BLACK & VEATCH CONSULTING ENGINEERS KANSAS CITY, MISSOURI		DEPARTMENT OF THE ARMY OFFICE OF THE CHIEF OF ENGINEERS MILITARY CONSTRUCTION - ENGINEERING DIVISION WASHINGTON, D.C.		
DRAWN BY: PZ		WEAPONS STORAGE AREA SECURITY OPERATIONS BLDG. (SMALL ARMS FIRE BULLET RESISTANT)		
TRACED BY: PZ		DATE: 3/6/92		
CHECKED BY: NJA		DRAWING NUMBER: DEF 141-32-01		
SUBMITTED: MLL		SHEET 3 OF 3		
APPROVED:		SCALE: AS NOTED SPEC. NO. NONE		
DATE:		DRAWING NUMBER: DEF 141-32-01		