

# SYSTEM DESCRIPTION

The PA system is designed for one way communication to three zone at MCCP . These zone are SPORTS FIELD, INMATE ACCESS AREAS & ADMINISTRATION BUILDING which will be selected by one of two operators. By selecting one of the three zones then using the push to talk switch on one of two goose neck microphones , the operator can have a priority page sent out. This page will have priority over any local pages in system and any tuner or auxiliary audio being used in the SPORTS FIELD AND RECREATION AREAS.

The two microphone from MCCP are inputted into a TOA model M-900MK2 mixer preamp unit located in the Communications Equipment Room. This will combine the two mics and output out audio signal at line level where it will be sent to Intercom Room H208. Zone control wires will go from MCCP control panel to H208 Intercom Room. Sports Field zone will then continue to Room D119 Rec. Office and terminate at control box mounted in rack which is used to switch MCCP audio to AMP #13 located in same rack.

Administration zone will terminate in a rack mounted control box in H208 which is used to switch MCCP audio to AMP #16 located in same rack. Inmate Access Areas will be tied into a terminal strip in H208 rack where it will branch out to control boxes located in D119, H208 and various electrical room controlling all other zones in system.

Line level audio from CER will first go to a audio distribution amplifier rack mounted in H208 Intercom Room . The audio D/A audio will branch out to control boxes located in D119, H208 and various electrical room controlling all zones in system. These control boxes will provide all the switching required for MCCP priority page and local paging.

Local zones are as follows:

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|-------------------|--|
| -Living units 1-2 | Amplifier location in Electrical Room R250 |
| -Living units 2-3 | Amplifier location in Electrical Room Q250 |
| -Living units 4-5 | Amplifier location in Electrical Room P250 |
| -Living units 6-7 | Amplifier location in Electrical Room O250 |
| -Living units 7-8 | Amplifier location in Electrical Room N250 |

In all these locations amplifier and control box will be mounted .  
MCCP audio in and zone control from H208 will be tied into control box,  
which will be power by its own 24vdc power source. Local control panel will  
fit in control console at each living unit control room. This panel will consist  
of a monitor speaker, push to talk button and microphone mounted on a 6  
7/8" X 19" control panel.

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#### -Food Services

Amplifier and control box mounted in "A" electrical room with 24vdc power  
adapter for control box. Control panel same as living unit panel except in a  
desk top version and temporally located in "A" electrical until renovations  
are completed.

Connection between control box and local panel for above zones are as  
follows:

- mic input to control box
- page control to control box
- speaker from control box to local panel

Operation on control box is as follows:

- switch in local microphone to amplifier and disconnect monitor  
speaker when local page is activated
  - switch off local microphone, engage monitor speaker and connect  
MCCP audio to amplifier
  - standby mode is to listen for any pages from MCCP on monitor  
speaker
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#### ~~-Remand Male and Remand Female~~

*Unit 13 A/B,*  
Both amplifiers and control box location on a shelf in Electrical Room  
K151 both control panels are set up in a two zone all call configuration with  
page selection being a push on push off switch for each zone and a push to  
talk switch along with mic and monitor speaker. Connection from both  
control panels tie into one control box for the following operation:

- switch local mic from either control panels to one or both amplifiers  
depending if one or both zones are selected on control panel and switch  
monitor speakers on both control panels off.

- switch local mic off and monitor speaker on for both control panels when MCCP is paging and put MCCP audio to both amplifiers
- standby mode is to listen to any pages from MCCP on monitor speaker on both control panels

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-Segregation *Unit 11*

Amplifier and control box strapped to wall in Electrical Room M120

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-Health care

Amplifier and control box mounted in programs panel in Electrical Room J146

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-Visiting

Has operators panel for monitoring MCCP pages only. They have an existing system in place for local pages.

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-Special Handling Upper

-Special Handling Lower

*Unit 12 A/B*

Both amplifiers and control box strapped to wall in Electrical Room L118

Both control panel set up in a two zone all call configuration and operate same as Remand Male/Remand Female system

Only difference in control box operation is that MCCP pages go to monitor speaker only on both control panels.

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-Chapel and corridor area

-Works and Engineering

-Industries

-Admission/Discharge

-Vehicle Maintenance

-Industries

-Visits area

Amplifiers and control box rack mounted in H208 Intercom Room  
MCCP pages to above zone only. No local paging.

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-Administration

Amplifier location rack mounted in H208 Intercom Room and uses same control box as above, but on a different MCCP zone page.

-Sports and Recreation Area

Amplifiers and control box rack mounted in Rec. Office Room D119

Control panel operation as follows:

- push on/push off zone controls for Sports field and Fitness Areas
- push to talk button for local pages
- selector switch for tuner or aux input to Sports Field
- on/off selector switch for above back ground music
- selector switch for tuner or aux input to Weight Room and Recreation
- on/off selector switch for back ground music to Weight Room
- on/off selector switch for back ground music to Recreation
- local microphone
- monitor speaker

Amplifier designation

- sports field
- gym
- programs amp which controls Weight Room and Recreation

Control box operation as follows:

- switch or turn off music sources to appropriate amplifiers as selected by control panel
- switch local microphone to appropriate amplifier as selected by control panel and mute back ground music and disconnect monitor speaker on control panel while local page is made
- standby mode is to have monitor speaker listen for MCCP pages
- mute local mic & back ground music and Engage monitor speaker when MCCP is paging
- switch MCCP audio to appropriate amplifier or amplifiers depending on which zone MCCP is paging

Gym amplifier to have six microphone inputs for existing microphone in system.