

MAIN DISTRIBUTION FRAME (MDF) ROOM

TECHNOLOGY & ELECTRICAL

- Provide two emergency lights
- Provide 40-50 foot candles at 12" AFF at front and back of racks
- All electrical outlets to be on dedicated circuits
- Provide 1 ladder rack mounted quad outlet at 7'-0" AFF at each cabinet and future cabinet
- Provide three data drops, two data at 18" AFF and one phone wall mounted at 48" AFF all located next to door
- Provide a dedicated 20 Amp circuit at each rack and wall mounted head end equipment enclosure
- Where a UPS is required, provide an additional dedicated circuit for each UPS system sized per system
- Provide a 20 Amp outlet at 42" AFF for CATV, EMS, FACP, and Security
- Provide a 20 Amp double duplex at 18" AFF centrally located on each wall
- Minimum of (2) dual technology motion sensors
- Provide a min. of 10% spare conduit
- Wrap the room in ladder rack with access to the top of the racks at both north-south and east-west axis creating a cross ladder rack, attach to top of data rack
- Overhead service conduit preferred, if underground conduits are utilized, provide in a single row and flush against the wall

FINISHES

- Flooring: Exposed sealed concrete
- Ceiling: Open
- Walls: 3/4" plywood backing on all walls up to 8'-0" high

PLUMBING

- Avoid adjacent plumbing walls
- No plumbing lines, rainwater leaders, or other utilities not serving the MDF above room

- ① CATV (LBUSD OFFICE OF MULTIMEDIA SERVICES) - Owner Furnished, Owner Installed
- ② DATA & FILE STORAGE SERVER
- ③ PHONE SYSTEM & DIGITAL SURVEILLANCE SYSTEM
- ④ DIGITAL INTERCOM, CLOCK, & BELL SYSTEM
- ⑤ FUTURE CABINET

FURNITURE & EQUIPMENT

- None

CASEWORK

- None

ROOM FEATURES

- 42" Wide Door - no louvers, vision light, or glass and door must swing out

MECHANICAL

- Filtered ventilation and dedicated air conditioning only
- Provide a split system air conditioning system - mount unit above door to operate 24 hours a day
- Set points to temperatures required for equipment contained in the space
- Provide dedicated electrical circuit
- Condensate drain line shall be gravity feed
- Provide remote control

NOTES

- Locate MDF on the first floor and adjacent to the main electrical room
- Provide 2 fully enclosed cabinets for server racks and open racks for other equipment
- Mount fire alarm strobe/horn on the ceiling due to visibility issues

