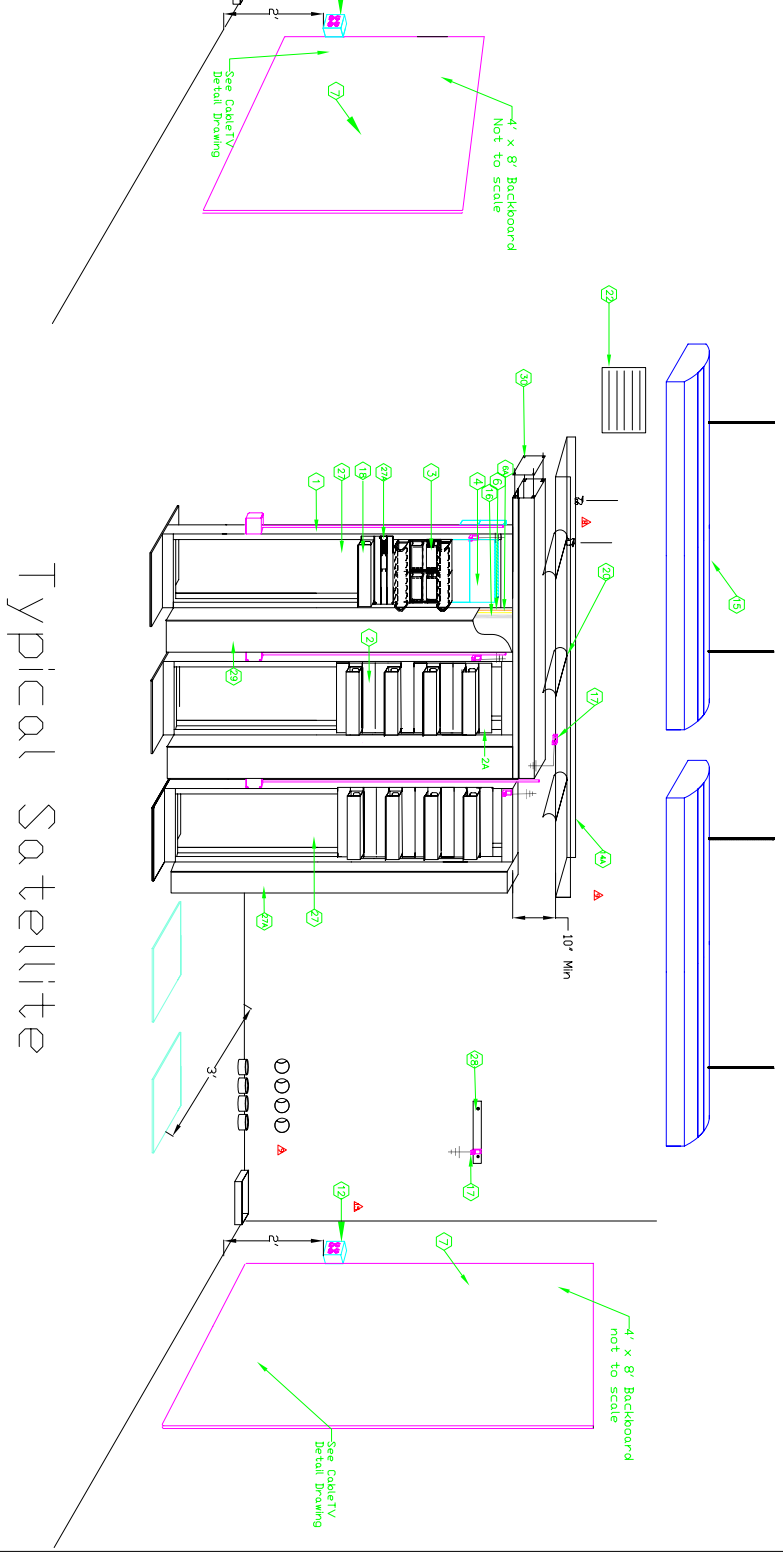
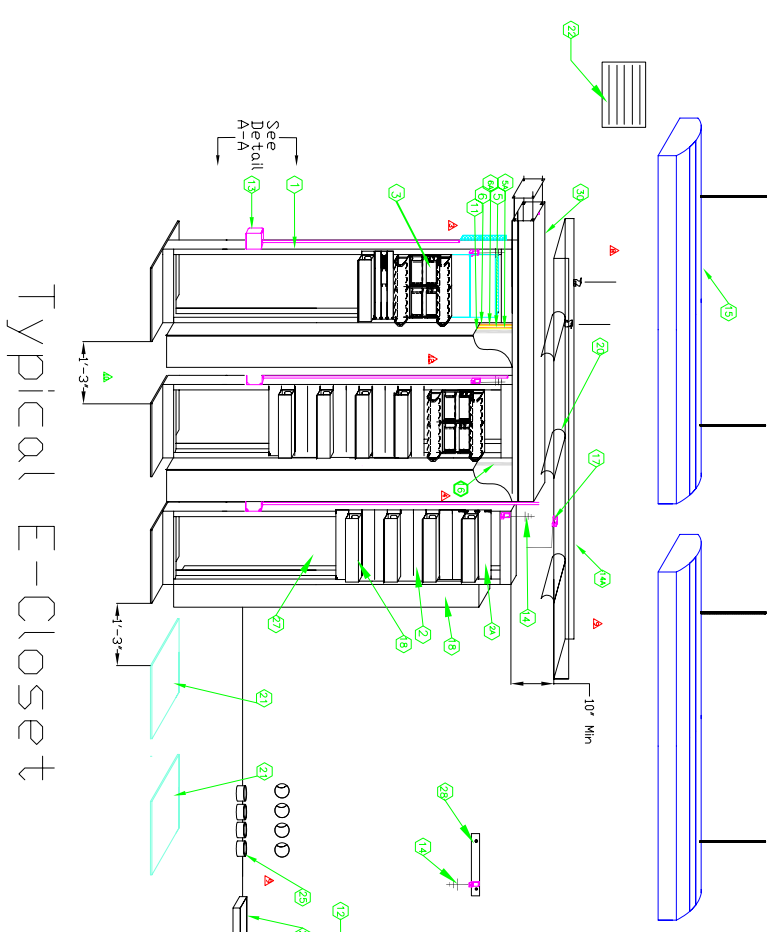


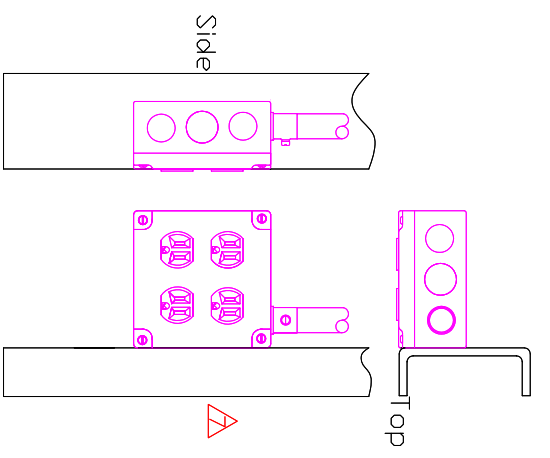
Legend:  
For Detail See 16700 Document

- | Item | Description   |
|------|---|
| 1    | 19" W x 7'-0" H Electronic Distribution Rack Assembly   |
| 2    | 24 Port PowerSum Patch Panels   |
| 2A   | 25% growth rate is required on each panel   |
| 2A   | 24 Port PowerSum Patch Panels closet to closet  |
| 3    | Rack One: Standard 300 pair, 19", 110 blocks<br>Mounting brackets and 2 - 110B1 troughs.  |
| 4    | 72 port fiber cabinet with splice case shown  |
| 5    | backbone fiber multi-mode   |
| 5A   | backbone fiber single mode  |
| 6    | Fiber multi-mode (MM 50/125 $\mu$ m) riser rated cable to satellite closet.   |
| 6A   | Fiber single-mode (SM) riser rated cable to satellite closet  |
| 7    | 4x8x5/4" Plywood Retardant Block  |
| 8    | Some as note #3, except this block exist only when a satellite closet is installed.   |
| 11   | Multi pair armored or gel filled riser rated cable from the phone co. or CDU cable  |
| 12   | Double duplex surge protected receptacle mounted on wall (going side 48 8/wood)<br>Outlets shall be labeled per distribution panel and circuit number.  |
| 13   | Double duplex surge protected receptacles dedicated circuit for both outlets. Mounting height 24" A.F.F. to bottom of receptacle on outside of the racks<br>Outlets shall be labeled per distribution panel and circuit number. |
| 14   | 1/0 #8CU solid or stranded (green) ground conductor from each rack cable tray and CDU/grounding base to Main Grounding  |
| 14A  | Cable tray - 12" depth<br>Mounting height to bottom of tray is 12" above equipment racks.<br>Install cable drop-outs for all horizontal cable   |
| 15   | Fluorescent lighting fixtures   |
| 16   | ARMW Riser Cable to satellite closet.   |
| 17   | Distribution rack grounding block   |
| 18   | Horizontal wire management typical each rack  |
| 20   | Cable ladder "Drop-Out"   |
| 21   | Footprint of future 19" racks   |
| 22   | Air ventilation, forced or internal A/C   |
| 23   | 1/2" Conduit Cable from E-closet using cable tray;  |
| 24   | 1/2" coaxial cable and RG-6 horizontal cables, using cable tray   |
| 25   | Slots: conduit penetrations minimum size conduit risers 4" with one spare   |
| 26   | Slots: conduit penetrations cable tray fire-stopping  |
| 27   | Space reserved for routers.   |
| 27A  | 24 Port patch panels for voice cross connect.   |
| 28   | Main Grounding Bus Distribution Bar.  |
| 29   | Vertical Wiremanagement 9"  |
| 29A  | Vertical Wire Management 6"   |
| 30   | Cabletalk Horizontal Tray rack one and two  |

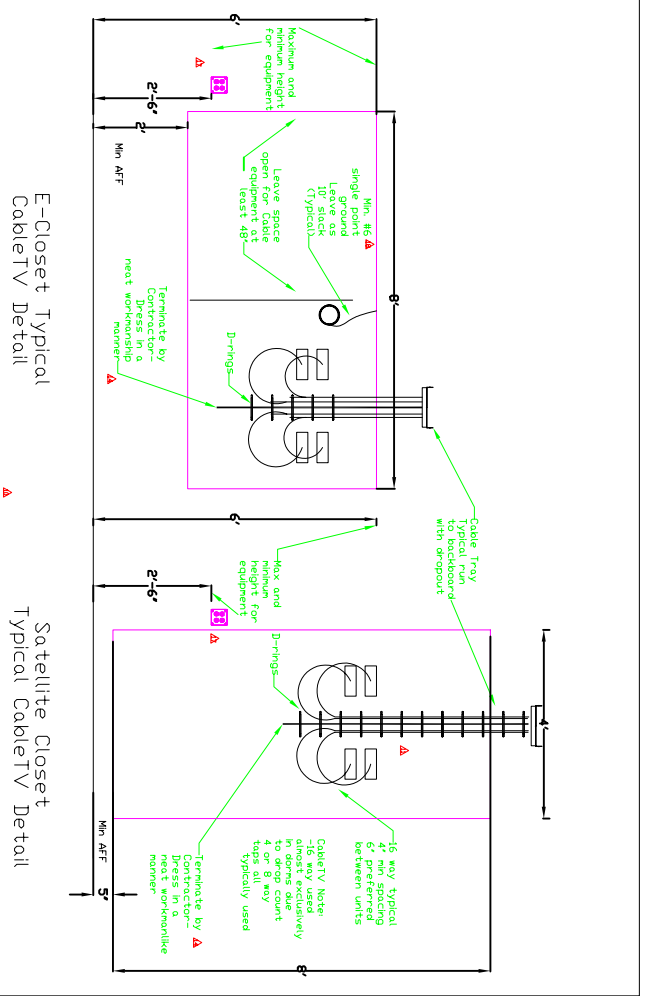


Typical E-Closet

Typical Satellite



Detail A-A Scale 6' = 1'



E-Closet Typical CableTV Detail  
Satellite Closet Typical CableTV Detail

1/25/00	Freeblocking on ALL penetrations
12/20/99	Remove 2500 Panel add 2150B PatchMox
12/20/99	Remove Levitron add CAUDY
6/25/99	Change fiber optic panel type
6/25/99	Remove IBM add M108R2 Yoke
11/30/98	Remove 300 pair add 100 pair 110 block
4/4/98	Add CATV specs revise date/voice outlet
4/4/98	Removed AT&T - add Lucent Tech
	Revision Note:
7/28/05	#8 Grd changed to #6
7/20/05	#12a rev'd - Surge protected added
7/18/05	Remove RG-6
6/23/05	Add surge protected outlet
7/30/03	Add Contractor terminate ends
1/6/03	Voice over IP set up
7/30/03	Add CATV Backboard detail
7/30/03	Remove Detail from Text ref 16700
7/30/03	Remove B-Line add FlexTray
7/30/03	Add CableTalk wire management
7/30/03	Add Detail A-A 110V Quad Outlet

**Carnegie Mellon**  
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**ELECTRIC-STANDARD  
DETAILS FOR DATA  
COMMUNICATION EQUIPMENT**

SHEET TITLE: CLOSET DETAIL

File Name:	Dwn. By:	Date:	Rev. No./Date:
Scale:	DWG	7/4/95	7-28-05
1/2" = 1'			
Project No.:			Dwg. No.:
			CL-1