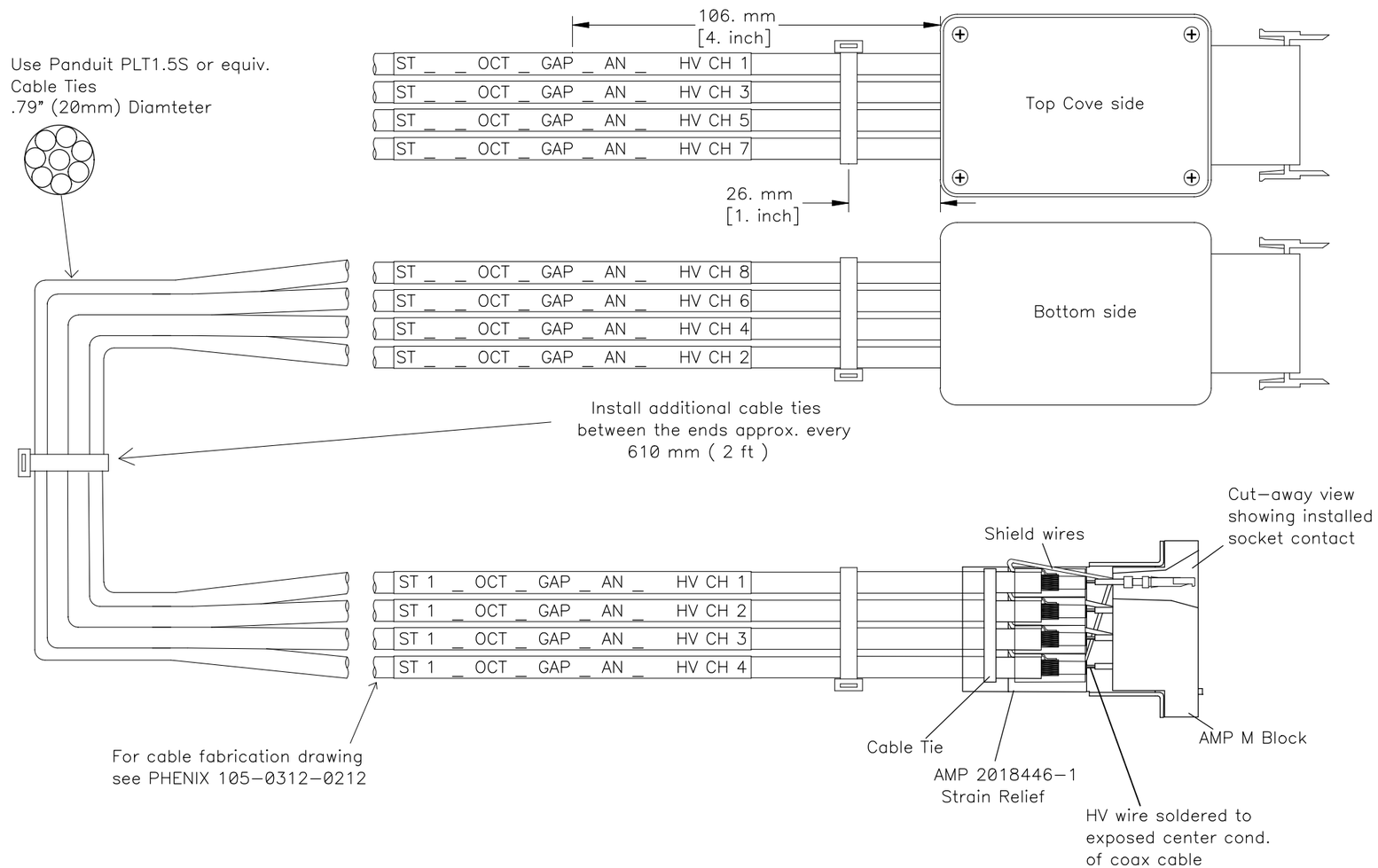
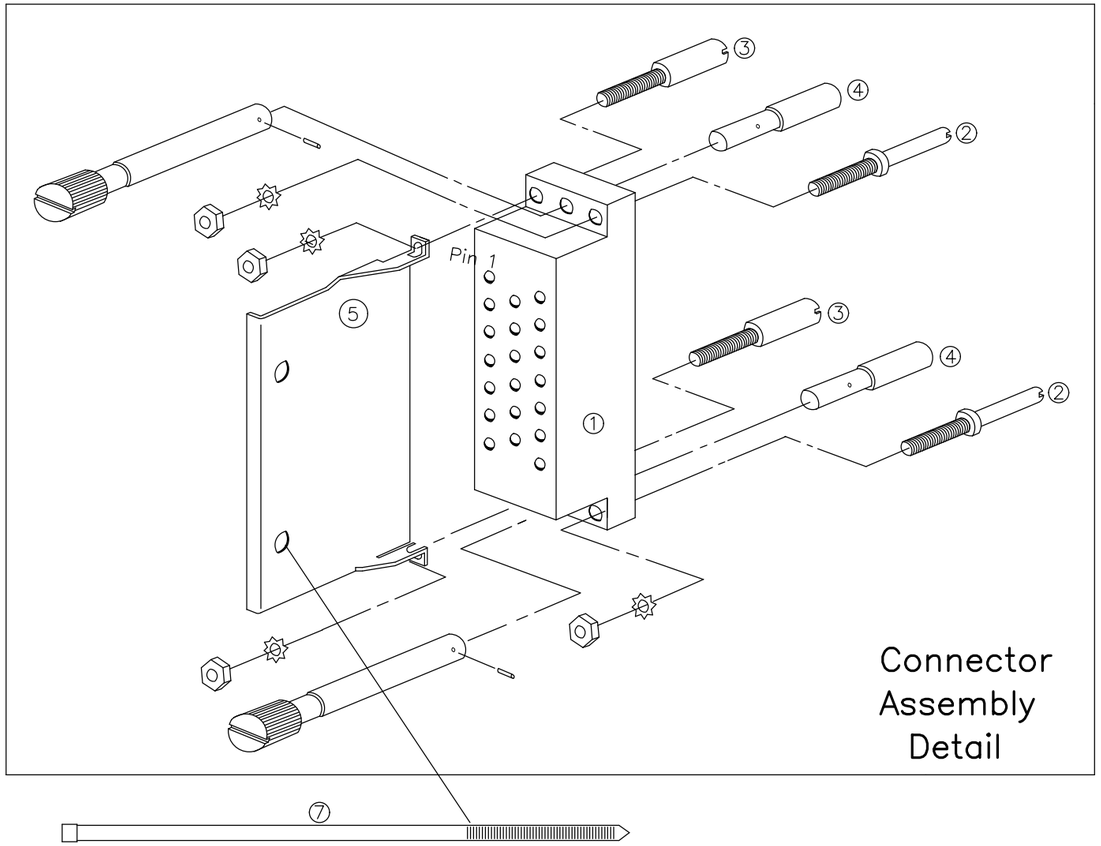
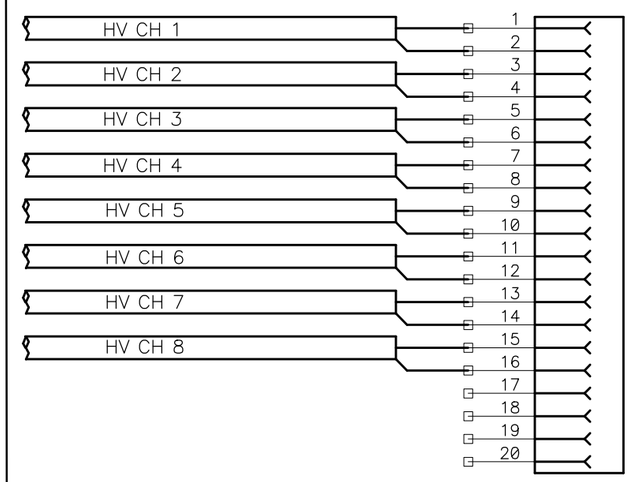



| Los Alamos National Laboratory | | |
|---|---|---|
| Title | PHENIX MuTr HV Distribution System | |
| LeCroy HV Plug/Filter box, 8 channel (ST 1 S) | | |
| Size B | Date Originated: 5 Dec 2001 | |
| | Date Last Revised: 5 Dec 2001 | |
| LANL DWG # 135Y299053A-S1S | | Approved By: W. Sondheim |
| PHENIX DWG #: | | Drawn by: G. Hart |
| Filename St 1 South HV Plug box cabeling.pcb | | Sheet 1 of 1 |

| ITEM | QTY | MANUFACTURER | DESCRIPTION | PART # | Source | Cat # | Cost/ea |
|---|---|---|---|---|---|---|---|
| 1 | 1 | AMP (Div of Tyco) | Block Connector, 20 Pin, HV rated, Female | 203909–2 | AMP Dist. | | 12.00 |
| 2 | 2 | AMP (Div of Tyco) | Guide Pin, for Type M Connectors (Includes washer & nut) | 200833–2 | Newark Electronics | 50F656 | 1.00 |
| 3 | 2 | AMP (Div of Tyco) | Guide Socket, for Type M Connectors (Includes washer & nut) | 200835–2 | Newark Electronics | 50F657 | 1.43 |
| 4 | 2 | AMP (Div of Tyco) | Jackscrew Kit, Female | 200867–1 | Newark Electronics | 50F659 | 2.62 |
| 5 | 1 | AMP (Div of Tyco) | Clamp Kit, Strain Relief Bracket, Long | 201846–1 | Newark Electronics | 52F3043 | 7.08 |
| 6 | 1 | AMP (Div of Tyco) | Socket, Type III, for 20–24 AWG Wire | 66105–1 | Newark Electronics | 50F576 | 1.00 |
| 7 | 1 | Panduit | Cable Tie, Pkg of 100 | PLT1.5M–C | Newark Electronics | 78F580 | .16 |
| 8 | 8 | Judd Wire | HV Hook–up Wire, 24 AWG, 5 kV, Red, 1" | 8520–5 | Judd Dist. | | .01 |

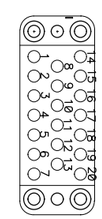



Connector Assembly Detail

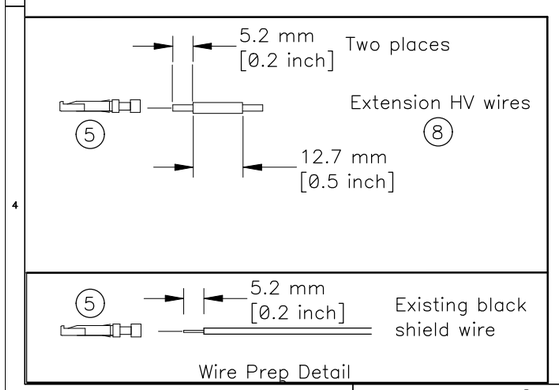



16 sockets for 24–20 AWG

SCHEMATIC of connector wiring



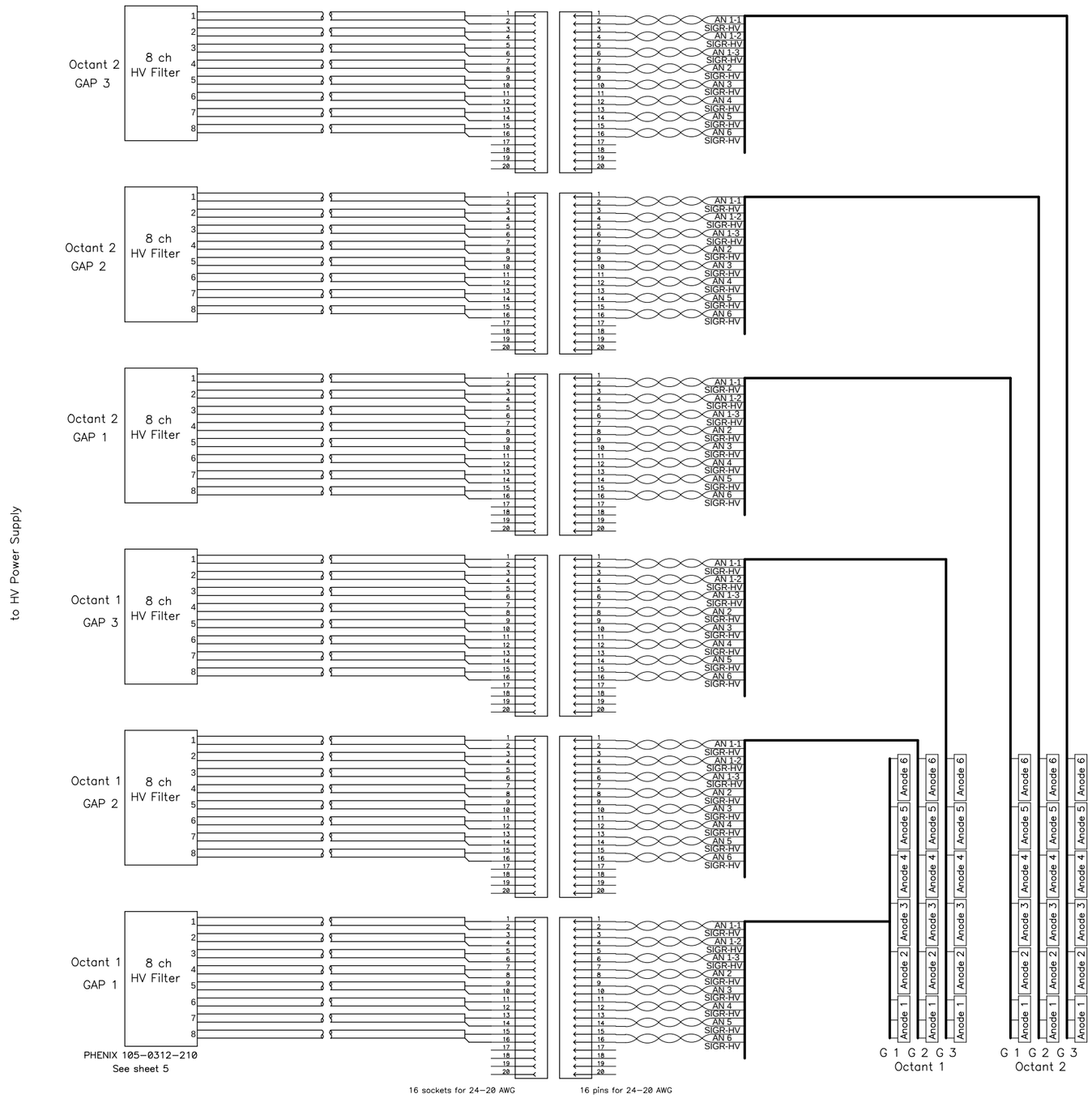
REAR View of 203909–2
Block Connector
(Sockets inserted from this end)




Wire Prep Detail

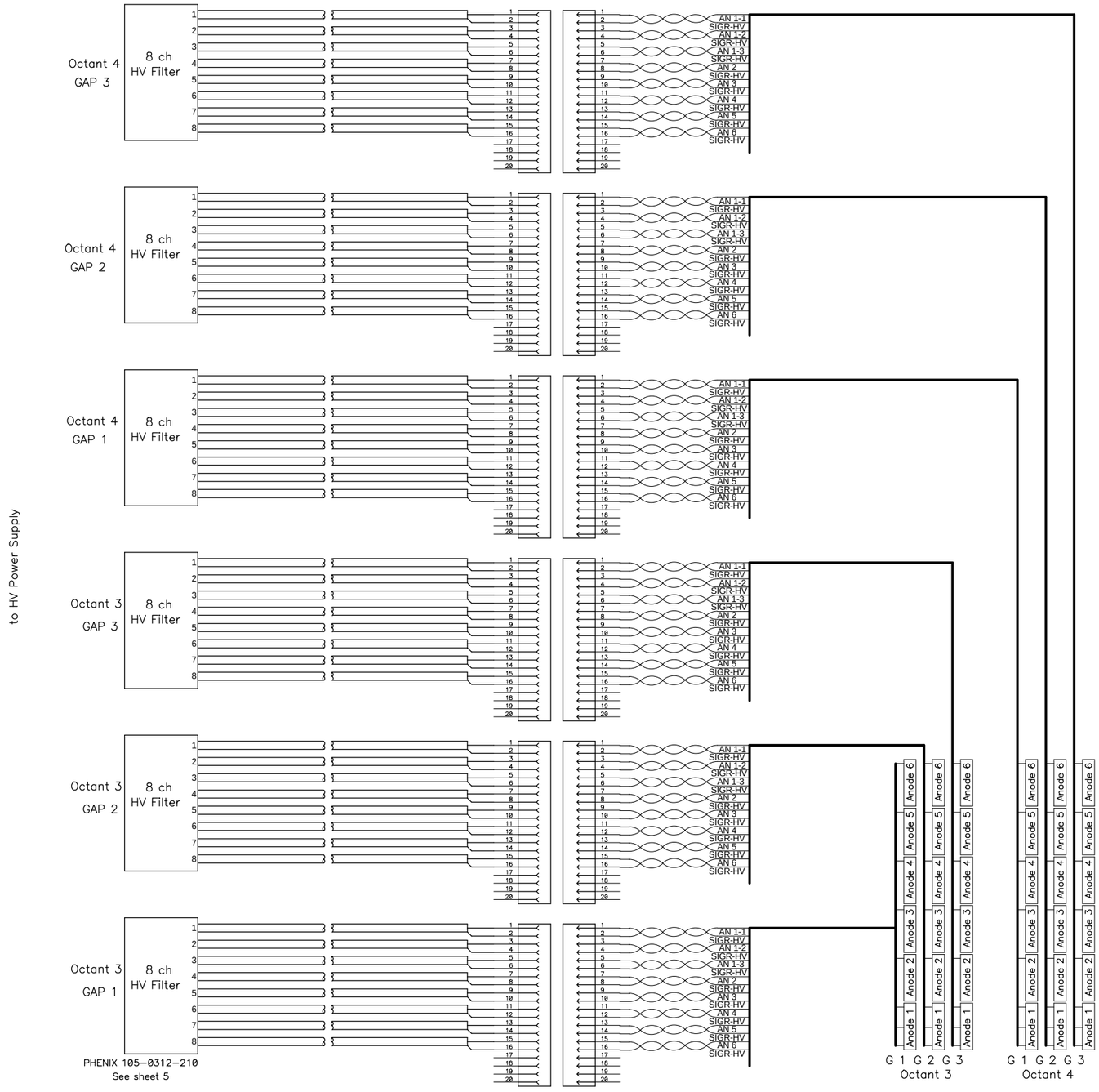
## Assembly Detail

| | | |
|---|---|---|
| Los Alamos National Laboratory | | |
| Title | MUON TRACKING HV DIST. SYSTEM | |
| St 1 South Coax Block Conn Detail | | |
| Size C | Date Originated: 10 Dec 2001 | |
| | Date Last Revised: 10 Dec 2001 | |
| LANL DWG # | | Approved By: W. Sondheim |
| PHENIX DWG #: | | Drawn by: G. Hart |
| Filename | St 1 S Coax Block Conn Detail.cdr | Sheet 1 of 1 |



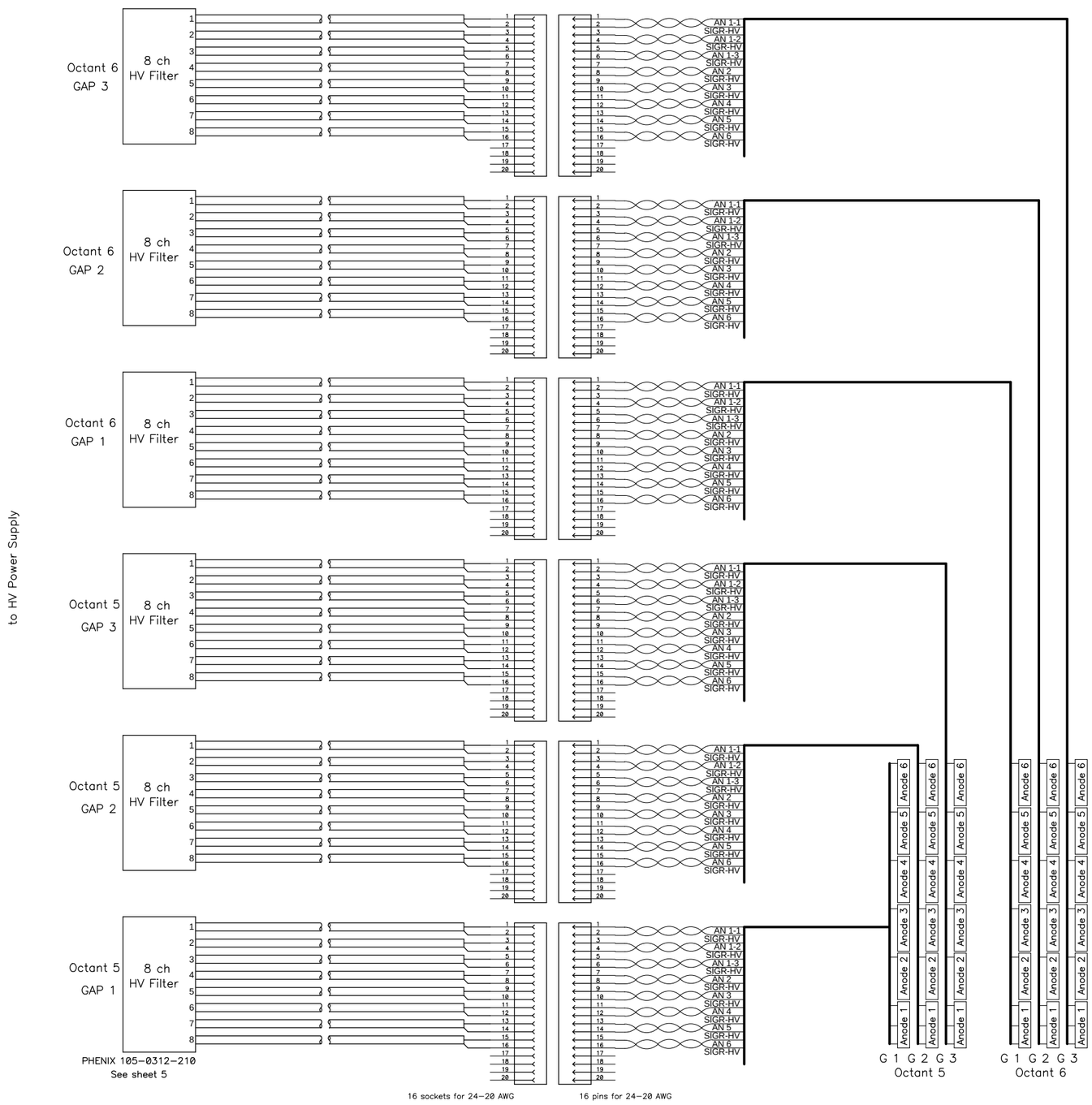

AMP "M" Series HV
Block Connectors
(203909-2 for sockets
203908-2 for pins)

| Los Alamos National Laboratory | | |
|---|---|---|
| Title: | MUON TRACKING HV DIST. SYSTEM | |
| Station 1 South Redo | | |
| Size | Date Originated: 5 Dec 2001 | |
| | Last Revised: 5 Dec 2001 | |
| LANL DWG #: | | Approved By: W. Sondheim |
| PHENIX #: | | Drawn by: G. Hart P-25 |
| Filename: St 1 S HV Dist Redo.sch | | Sheet 1 of 5 |



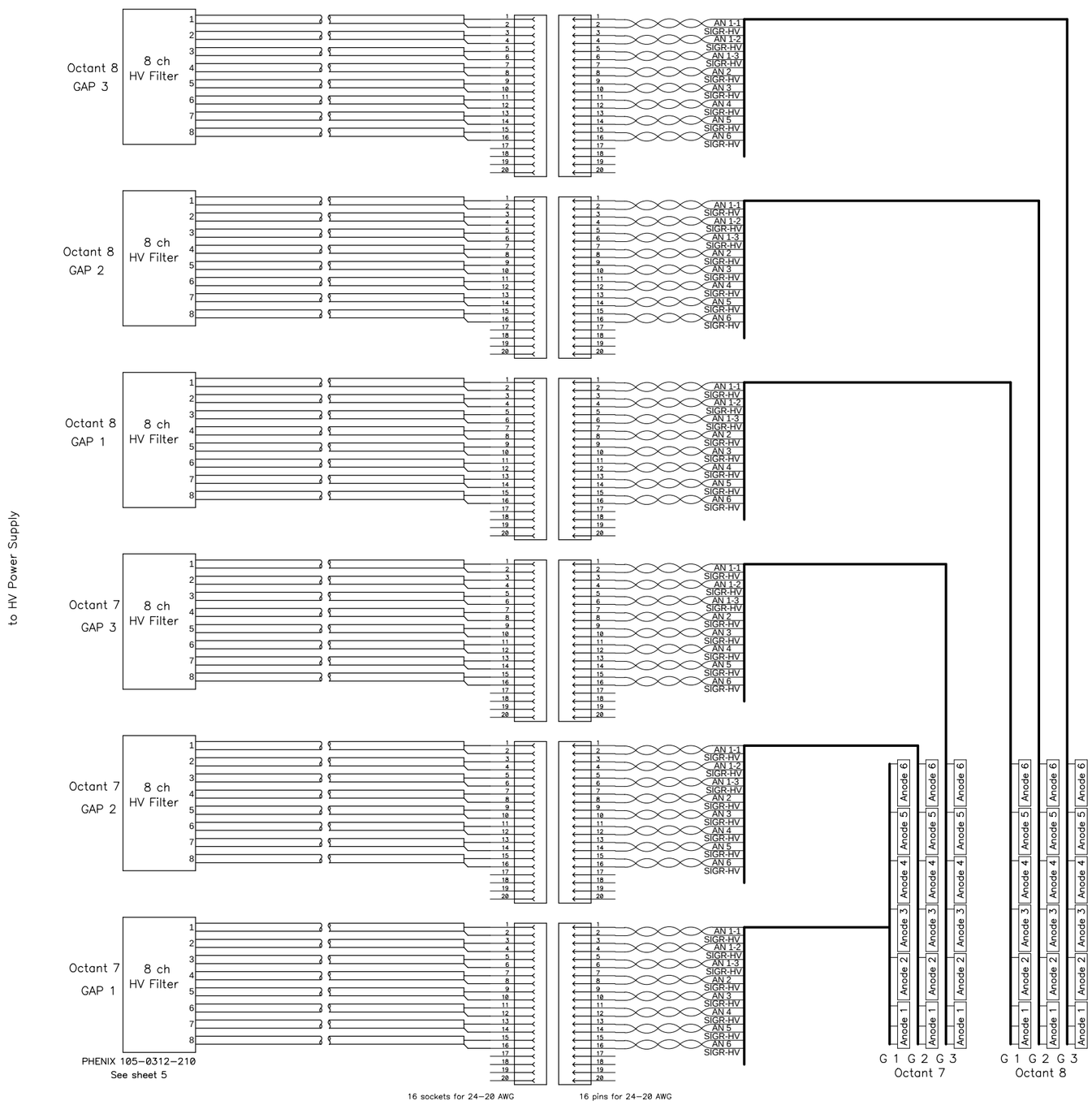

AMP "M" Series HV
Block Connectors
(203909-2 for sockets
203908-2 for pins)

| | | |
|---|---|---|
| Los Alamos National Laboratory | | |
| Title: | MUON TRACKING HV DIST. SYSTEM | |
| Station 1 South Redo | | |
| Size | Date Originated: 5 Dec 2001 | |
| | Last Revised: 5 Dec 2001 | |
| LANL DWG #: | | Approved By: W. Sondheim |
| PHENIX #: | | Drawn by: G. Hart P-25 |
| Filename: | St 1 S HV Dist Redo.dwg | Sheet 2 of 5 |



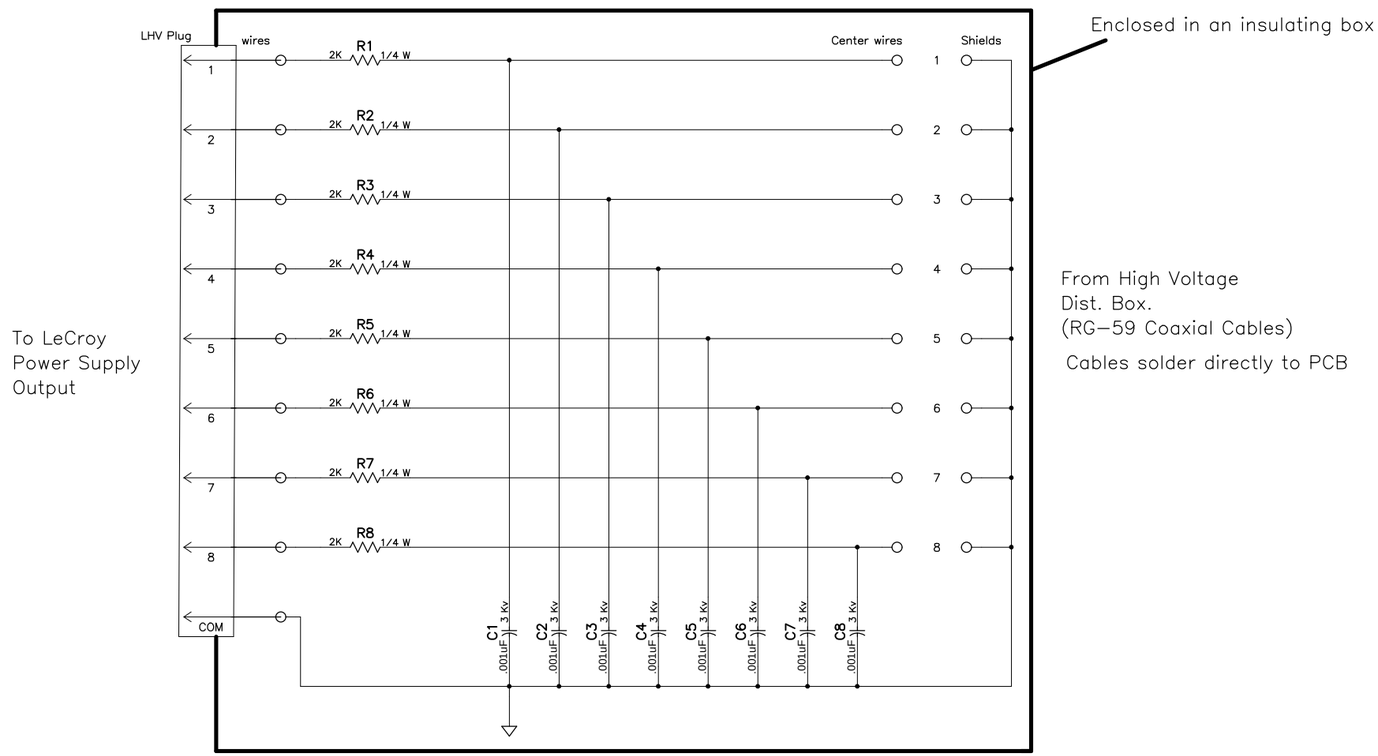

AMP "M" Series HV
Block Connectors
(203909-2 for sockets
203908-2 for pins)

| Los Alamos National Laboratory | | |
|---|---|---|
| Title: MUON TRACKING HV DIST. SYSTEM | | |
| Station 1 South Redo | | |
| Size | Date Originated: 5 Dec 2001 | |
| | Last Revised: 5 Dec 2001 | |
| LANL DWG #: | | Approved By: W. Sondheim |
| PHENIX #: | | Drawn by: G. Hart P-25 |
| Filename: St 1 S HV Dist Redo.dwg | | Sheet 3 of 5 |




AMP "M" Series HV
Block Connectors
(203909-2 for sockets
203908-2 for pins)

| Los Alamos National Laboratory | | |
|---|---|---|
| Title: MUON TRACKING HV DIST. SYSTEM | | |
| Station 1 South Redo | | |
| Size | Date Originated: 5 Dec 2001 | |
| | Last Revised: 5 Dec 2001 | |
| LANL DWG #: | | Approved By: W. Sondheim |
| PHENIX #: | | Drawn by: G. Hart P-25 |
| Filename: St 1 S HV Dist Redo.dwg | | Sheet 4 of 5 |




| | | |
|---|---|---|
| Los Alamos National Laboratory | | |
| Title: MUON TRACKING HV DIST. SYSTEM | | |
| Station 1 South Redo | | |
| Size | Date Originated: 5 Dec 2001 | |
| | Last Revised: 5 Dec 2001 | |
| LANL DWG #: | | Approved By: W. Sondheim |
| PHENIX #: | | Drawn by: G. Hart P-25 |
| Filename: St 1 S HV Dist Redo.sch | | Sheet 5 of 5 |