

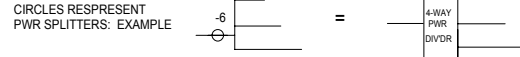
**DOWNSTAIRS IF-LO SYSTEM
FUNCTIONAL BLOCK DIAGRAM**

**PAGE 1 OF 3: POL. A SIGNAL PATHS
FIBER & HELIAX INPUTS, POWER
METER 1, ALFA MONITOR**

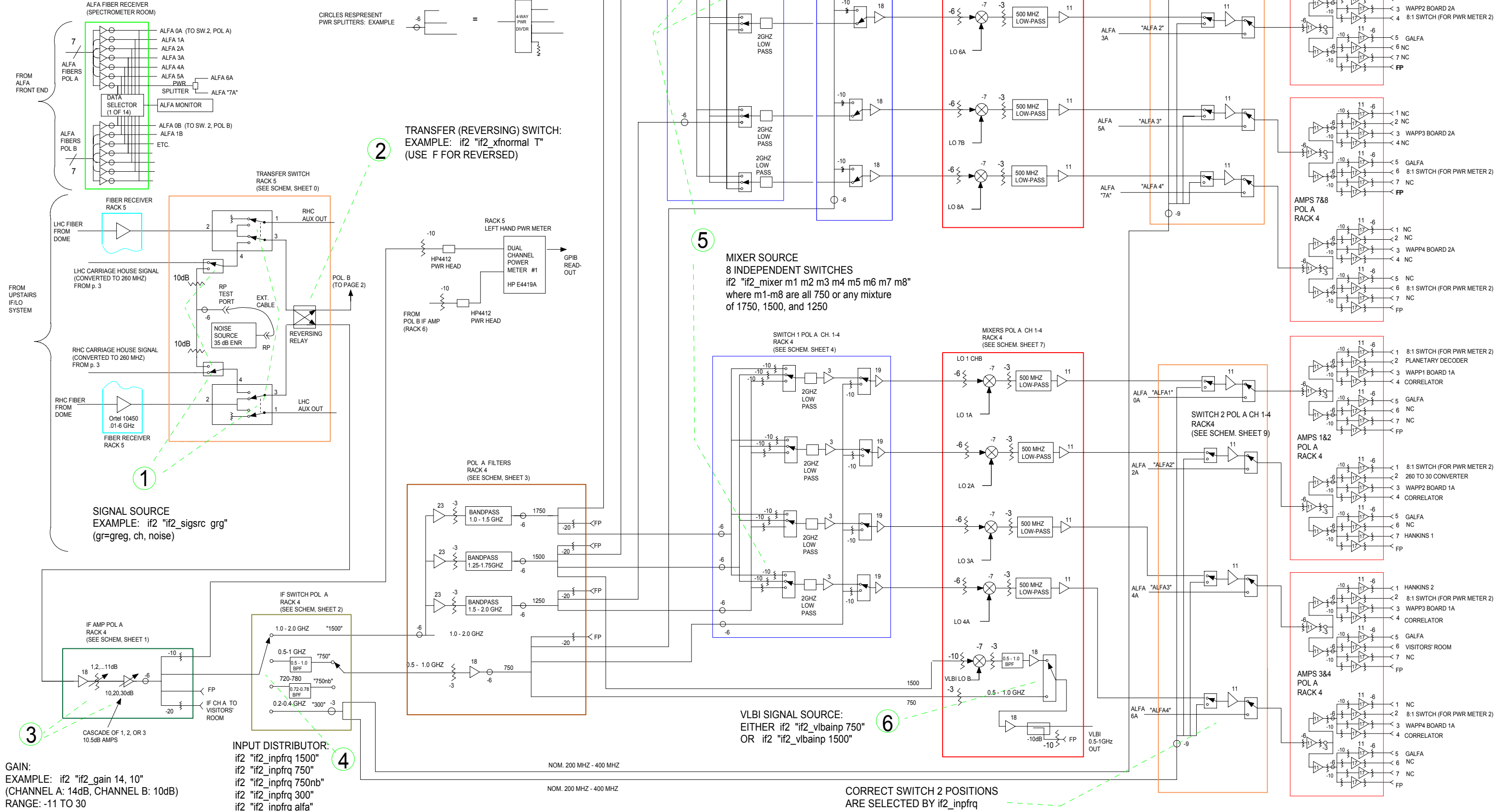
file: ifdwn1.ecw
last rev. APR. 7, 2005

NOTES

1. "FP" = FRONT PANEL
2. "RP" = REAR PANEL
3. IF AMP IS CASCADE OF 1, 2, OR 3 10dB AMPS
4. 10.5 dB AMPS: COUGAR AC2546C, 16dBm OUT @ 1dB COMP.
5. 11dB AMPS: COUGAR AC2559C, 20dBm OUT @ 1dB COMP.
6. 18dB AMPS: COUBAR AC2564C, 15.5 dBm OUT @ 1 dB COMP.
7. 23 dB AMPS: MCL ZX60-2522M, 18dBm OUT @ 1 dB COMP.
8. 16 dB AMPS: MCL ZX60-2514M, 16.5dBm OUT @ 1dB COMP.
9. 13 dB AMPS: MCL ZX60-2510M, 15.5dBm OUT @ 1dB COMP.
10. 21 dB AMPS: MCL ZFL-500HLN, 17dBm OUT @ 1dB COMP.



TRANSFER (REVERSING) SWITCH:
EXAMPLE: if2 "if2_xfnormal T"
(USE F FOR REVERSED)



GAIN:
EXAMPLE: if2 "if2_gain 14, 10"
(CHANNEL A: 14dB, CHANNEL B: 10dB)
RANGE: -11 TO 30

INPUT DISTRIBUTOR:
if2 "if2_inprfq 1500"
if2 "if2_inprfq 750"
if2 "if2_inprfq 750nb"
if2 "if2_inprfq 300"
if2 "if2_inprfq alfa"

VLBI SIGNAL SOURCE:
EITHER if2 "if2_vlbainp 750"
OR if2 "if2_vlbainp 1500"

CORRECT SWITCH 2 POSITIONS
ARE SELECTED BY if2_inprfq