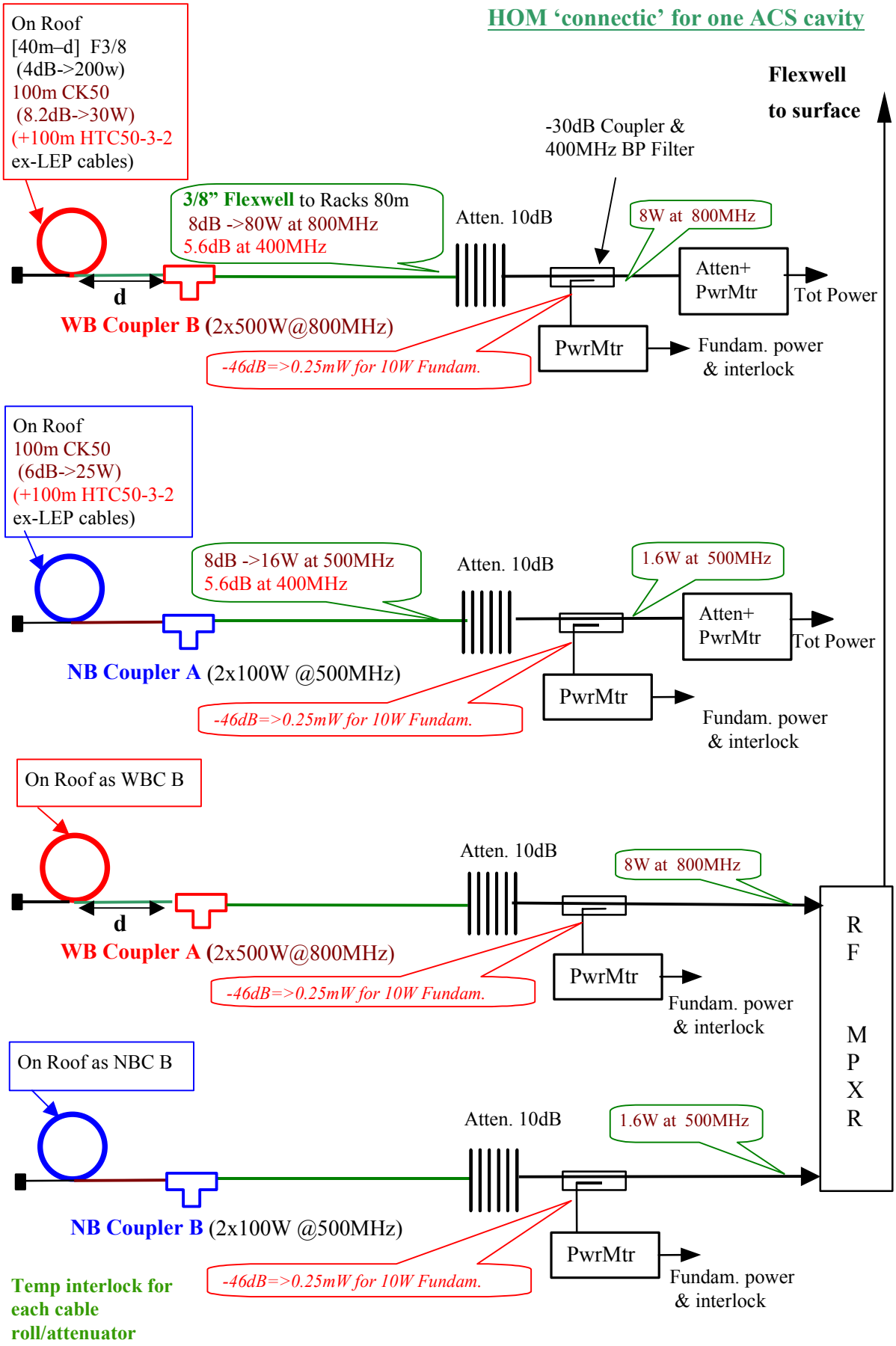
HOM 'connectic' for one ACS cavity
Flexwell
to surface
On Roof
[40m–d] F3/8
(4dB->200w)
100m CK50
(8.2dB->30W)
(+100m HTC50-3-2
ex-LEP cables)
-30dB Coupler &
400MHz BP Filter
3/8" Flexwell to Racks 80m
8dB ->80W at 800MHz
5.6dB at 400MHz
Atten. 10dB
8W at 800MHz
Atten+
PwrMtr
Tot Power
d
WB Coupler B (2x500W@800MHz)
PwrMtr
Fundam. power
& interlock
-46dB=>0.25mW for 10W Fundam.
On Roof
100m CK50
(6dB->25W)
(+100m HTC50-3-2
ex-LEP cables)
8dB ->16W at 500MHz
5.6dB at 400MHz
Atten. 10dB
1.6W at 500MHz
Atten+
PwrMtr
Tot Power
NB Coupler A (2x100W @500MHz)
PwrMtr
Fundam. power
& interlock
-46dB=>0.25mW for 10W Fundam.
On Roof as WBC B
Atten. 10dB
8W at 800MHz
d
WB Coupler A (2x500W@800MHz)
PwrMtr
Fundam. power
& interlock
-46dB=>0.25mW for 10W Fundam.
R
F
M
P
X
R
On Roof as NBC B
Atten. 10dB
1.6W at 500MHz
NB Coupler B (2x100W @500MHz)
PwrMtr
Fundam. power
& interlock
-46dB=>0.25mW for 10W Fundam.
Temp interlock for
each cable
roll/attenuator