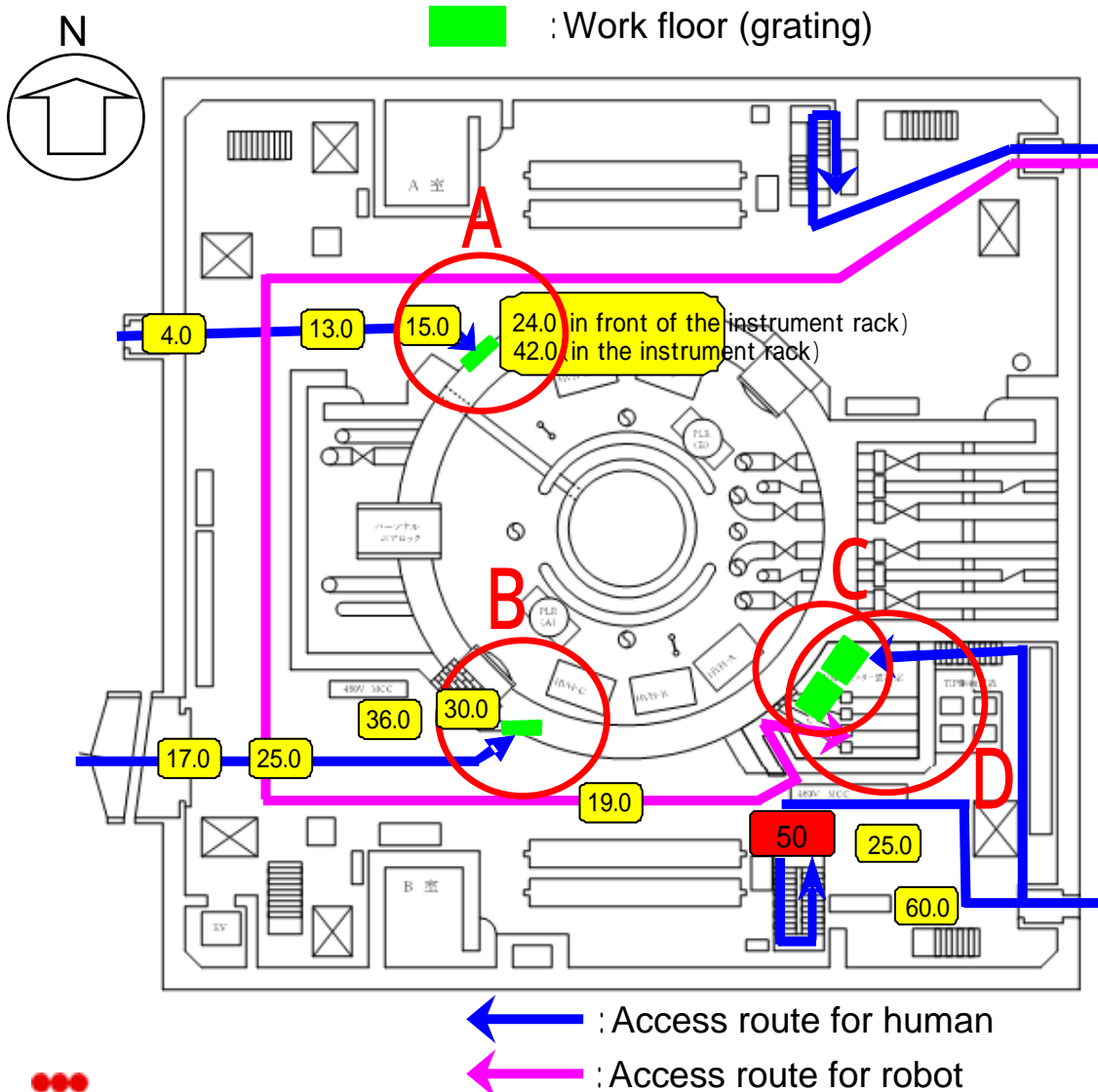


Site investigation result for installing alternative thermometer for Fukushima Daiichi NPS Unit 2

March 23, 2012
TEPCO

Investigation result (1st floor, Reactor building)

[Date] March 15, 16, 21 (TIP room) 22
 [Planned dose] (Toshiba) 5mSv (TEPCO) 7mSv
 [Exposure dose (Max)]
 (Toshiba) 2.93mSv (TEPCO) 3.47mSv

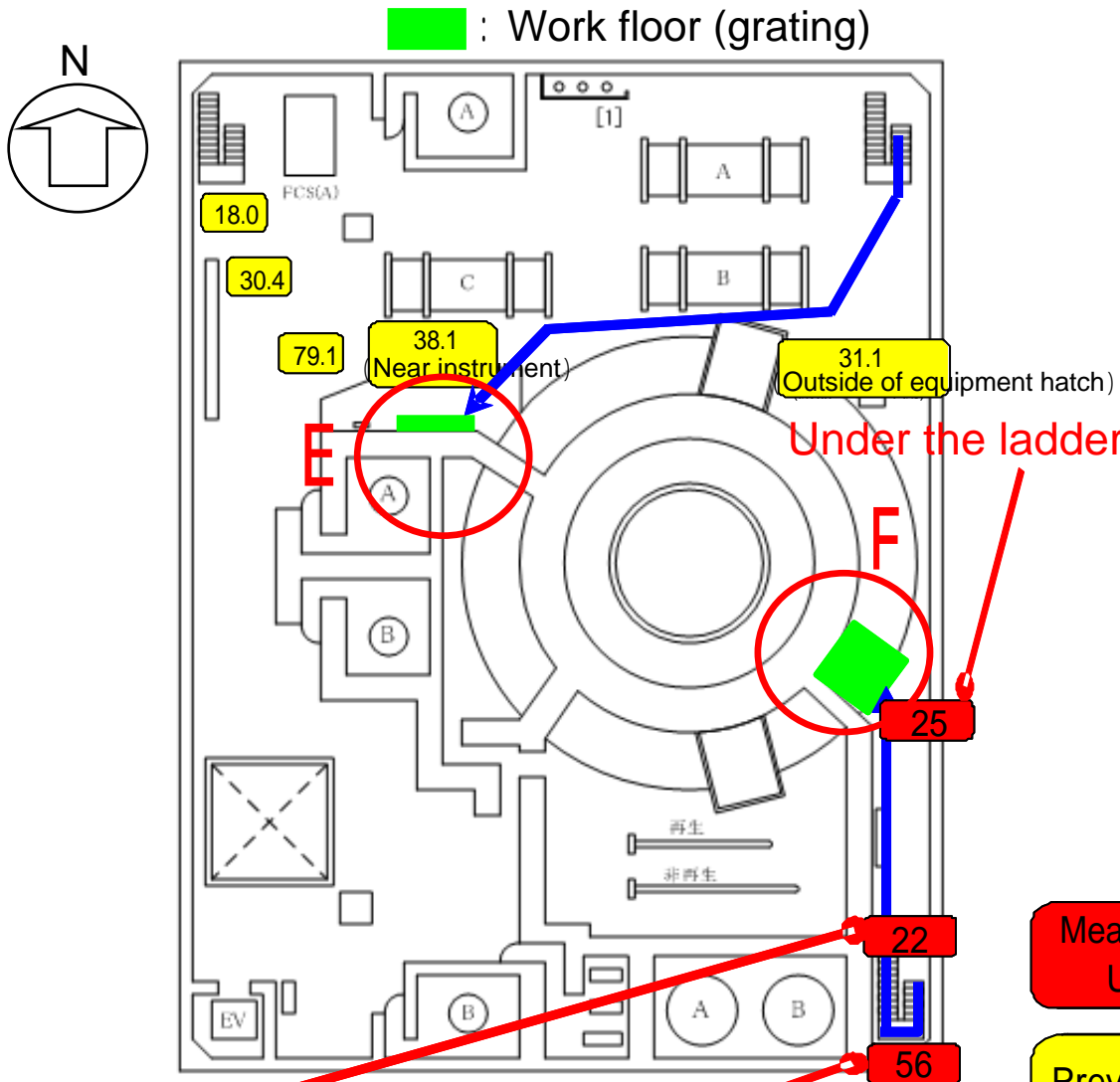


Area (Measure)	Investigated part (PCV penetration number)	Result (mSv/h)	
		Work floor (Max)	Near penetration (Max)
A (human)	J P instrument system A S L C differential pressure detection (X-40A/B,X-27)	70.0	100.0
B (human)	J P instrument system B (X-40C/D)	60.0	40.0
C (human)	S L C differential pressure detection (X-51)	18.0	35.0
D (robot)	TIP (X-35A/C/D/E)	3.0	2.2

Measured this time
 Unit: mSv/h

Previously measured
 Unit: mSv/h

Investigation result (1st floor, Reactor building)



Area (Measure)	Investigated part (PCV penetration number)	Result (mSv/h)	
		Work floor (Max)	Near penetration (Max)
E (human)	Water level measurement instrument (X-28B/C)	33.0	100.0
F (human)	Water level measurement instrument (X-29B/C)	100.0	1640.0

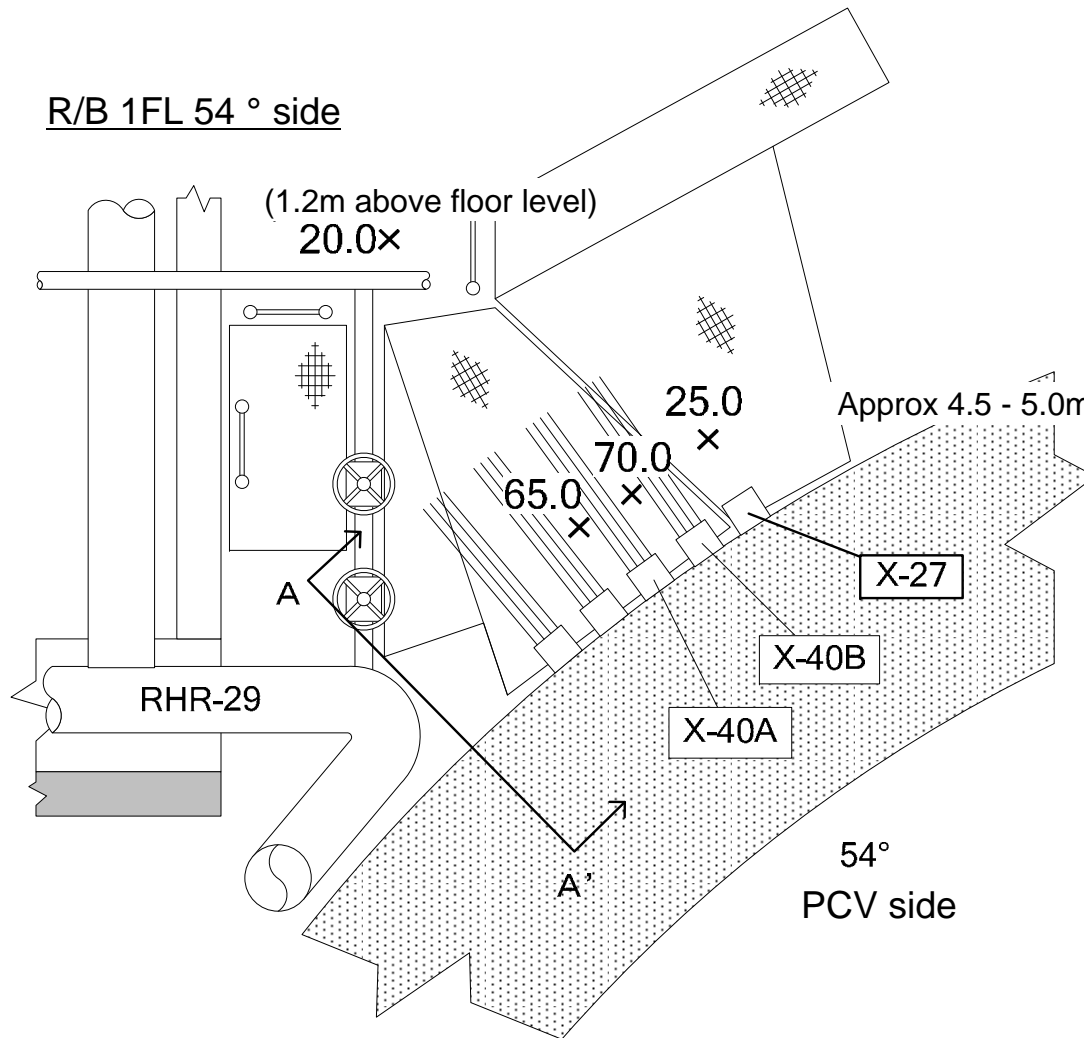
Measured this time
Unit: mSv/h

Previously measured
Unit: mSv/h

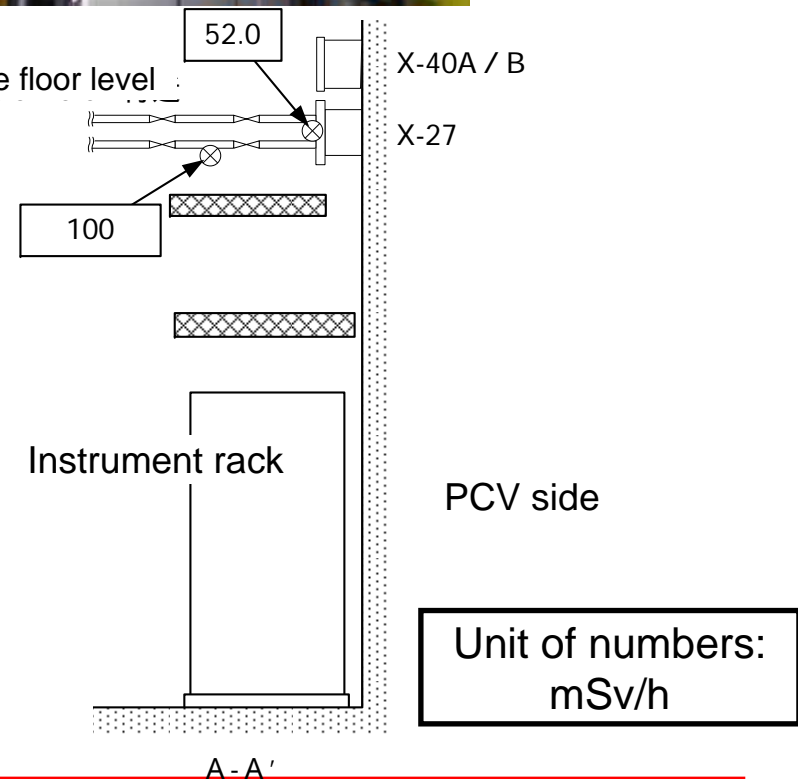
Top of the stairway Middle of the stairway (second landing)

Detail: Area A (1st floor, Reactor building)

JP System A (X-40A/B), S L C System (X-27)

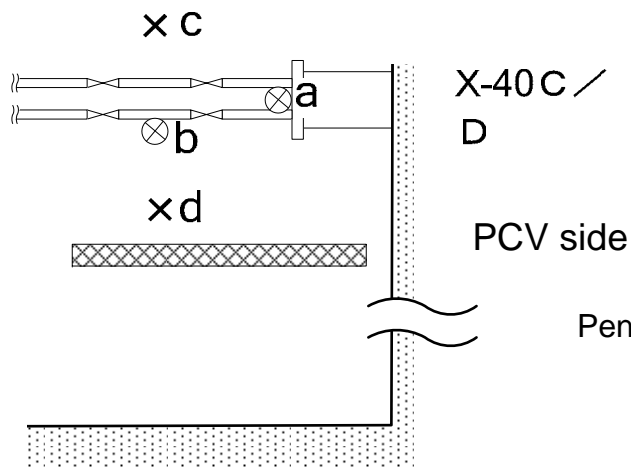


X - 27



Detail: Area B (1st floor, Reactor building)

JP System B(X-40C / D)



R/B 1FL 315° upper side

Unit of numbers:
mSv/h

Grating

315°
PCV side

X-40D

X-40C

⊗ 60.0

⊗ 40.0

28.0x

Instrument rack

B

B'

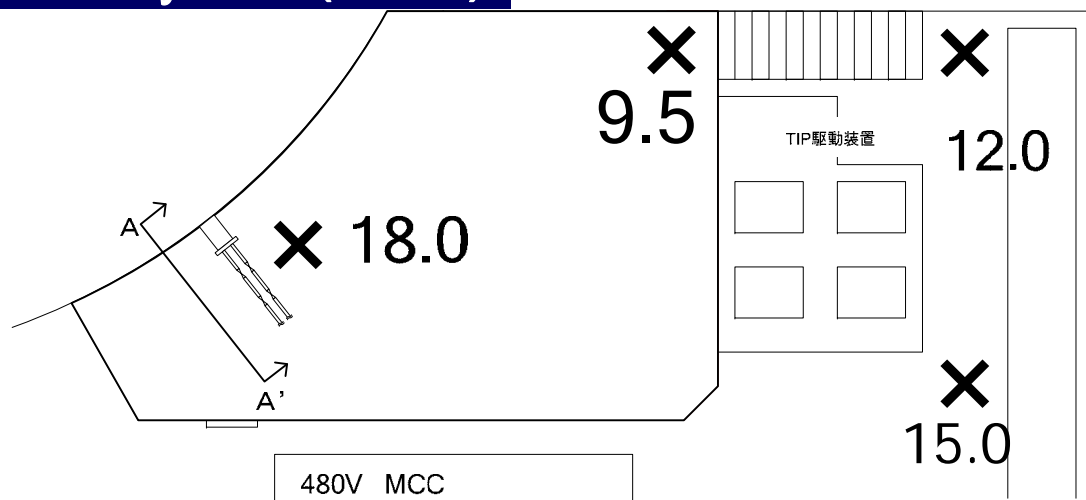
X-40C/D dose equivalent ratio measurement result (mSv/h)

Penetration number	⊗ a	⊗ b	x c	x d
X-40C	20.0	35.0	25.0	40.0
X-40D	30.0	35.0	25.0	40.0

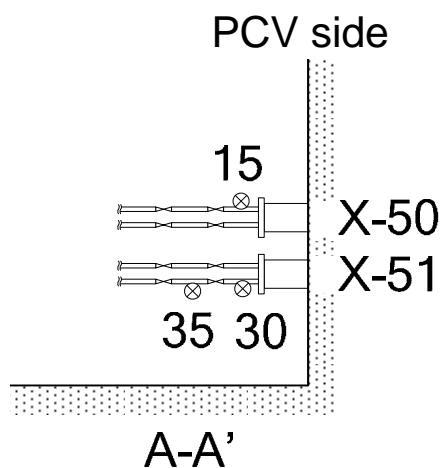
B-B'

Detail: Area C (1st floor, Reactor building)

SLC System (X-51)



X-51 penetration

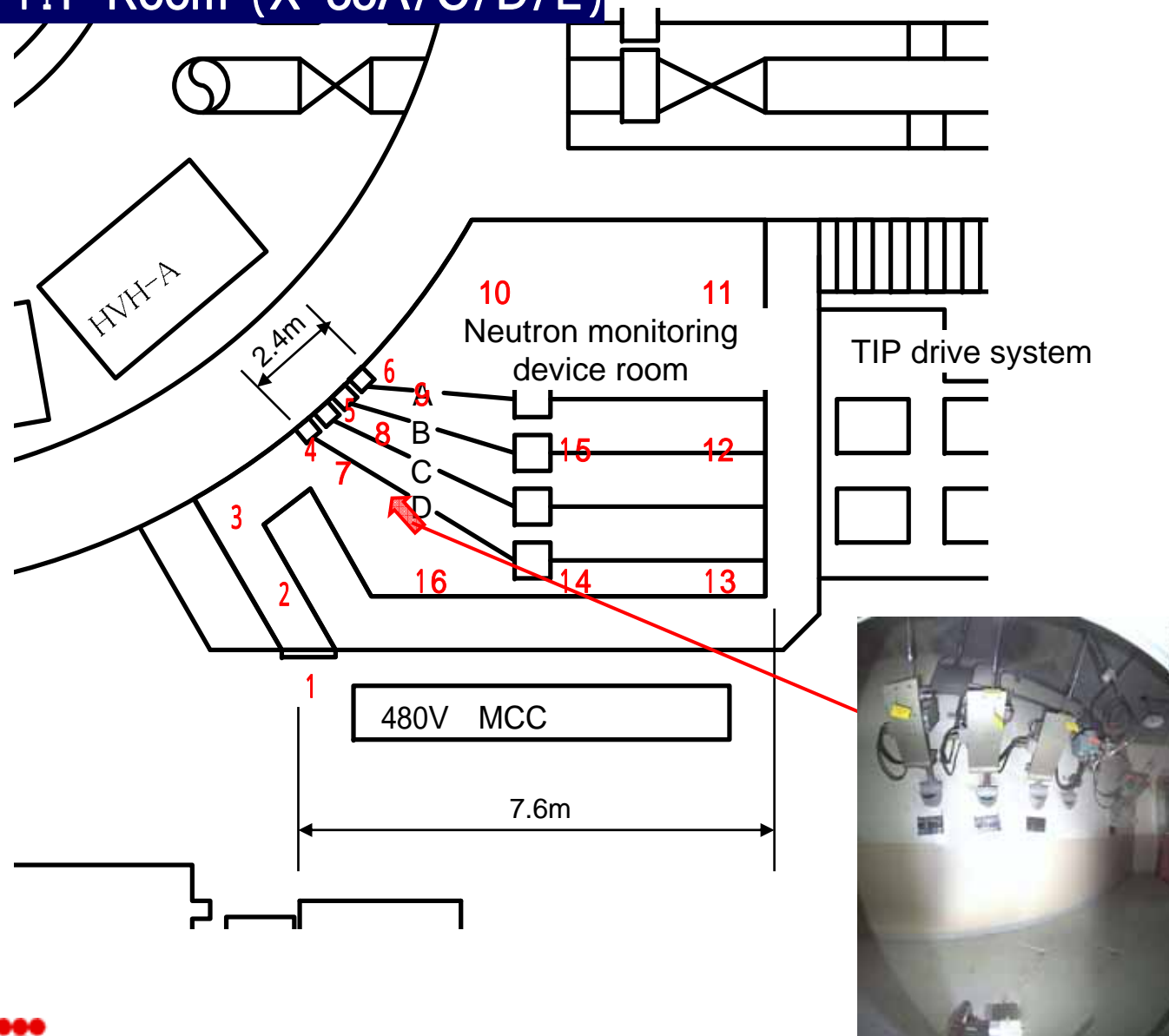


Unit of numbers:
mSv/h

Although X-51 in Area C and X-27 in Area A of the SLC System were evaluated as third order of priority due to T connection, they are included in this investigation since there are less 90 degree elbows and radiation is likely to pass through.

Detail: Area D (1st floor, Reactor building)

TIP Room (X-35A/C/D/E)



Measurement point	Dose rate [mSv/h]
1	1.1
2	3
3	1.5
4	1.0
5	2.2
6	1.8
7	2.0
8	1.8
9	1.8
10	1.7
11	1.8
12	1.8
13	1.8
14	1.8
15	1.8
16	2.0

Detail: Area E (2nd floor, Reactor building)

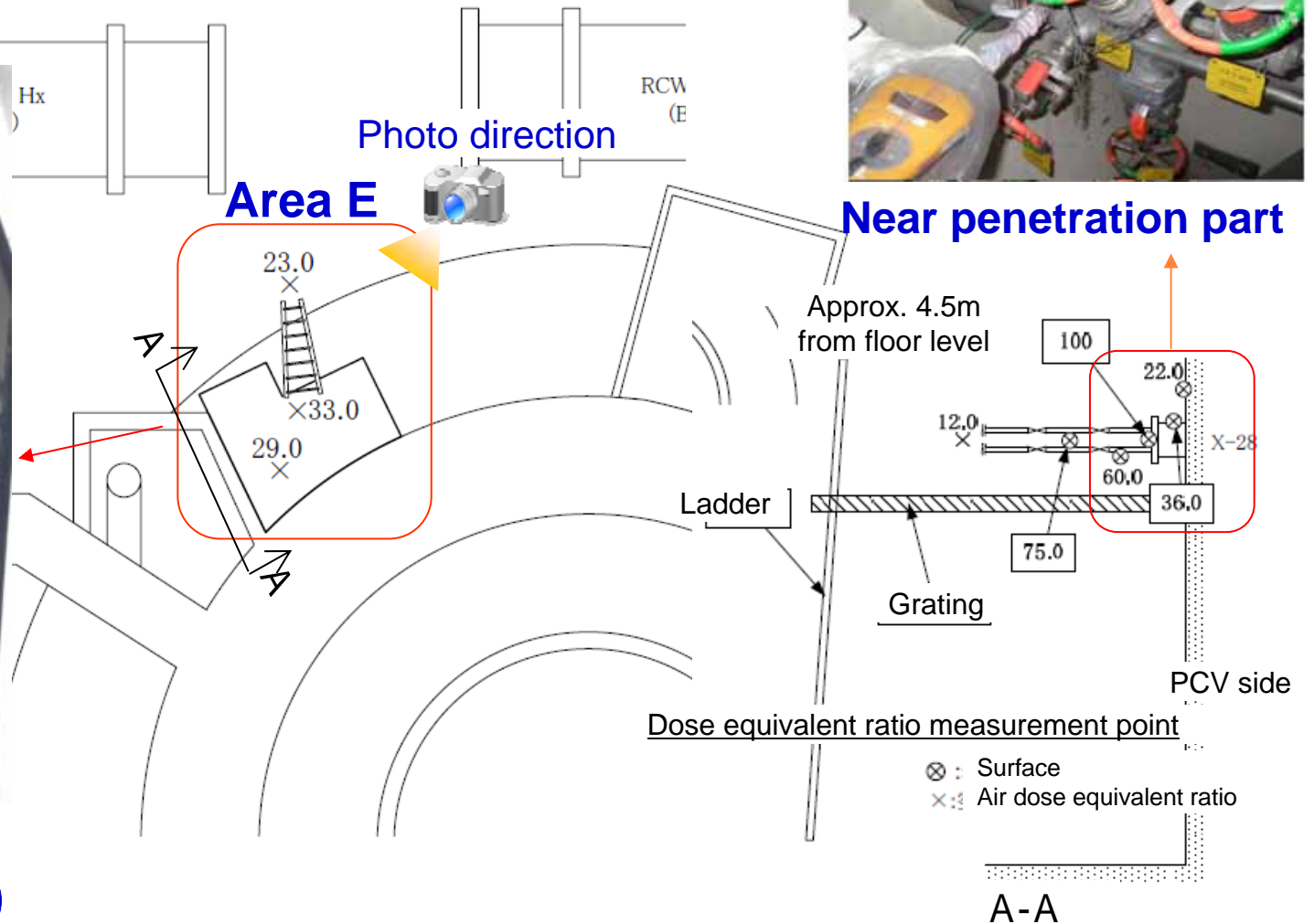
Water Level Measurement Instrument (X-28B/C)

Unit of numbers:
mSv/h



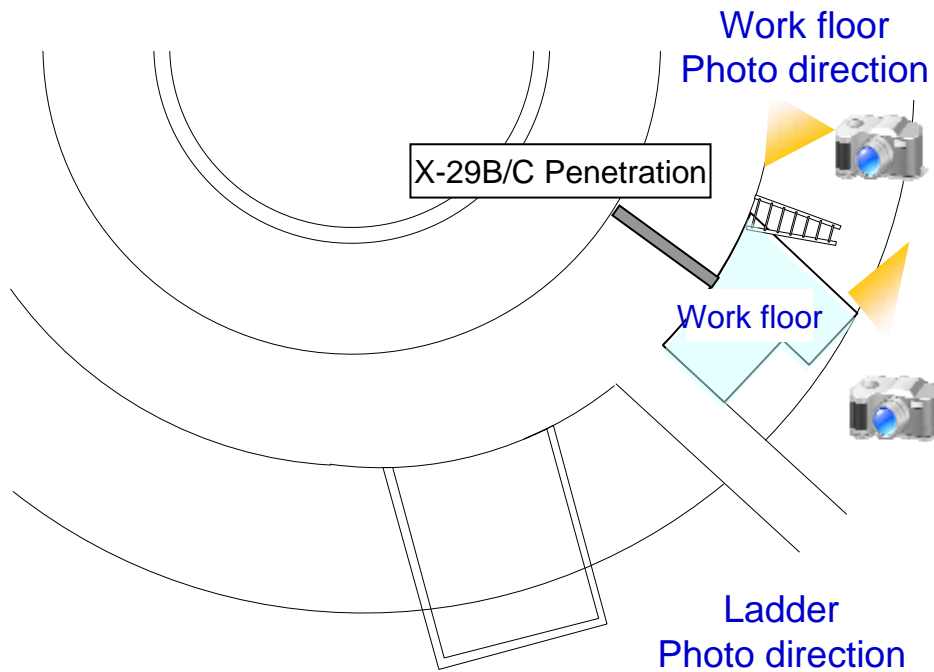
Area E

(From photo direction)



Detail: Area F (2nd floor, Reactor building)

Water Level Measurement Instrument (X-29B/C)



Work floor



Ladder

Unit of numbers: mSv/h

