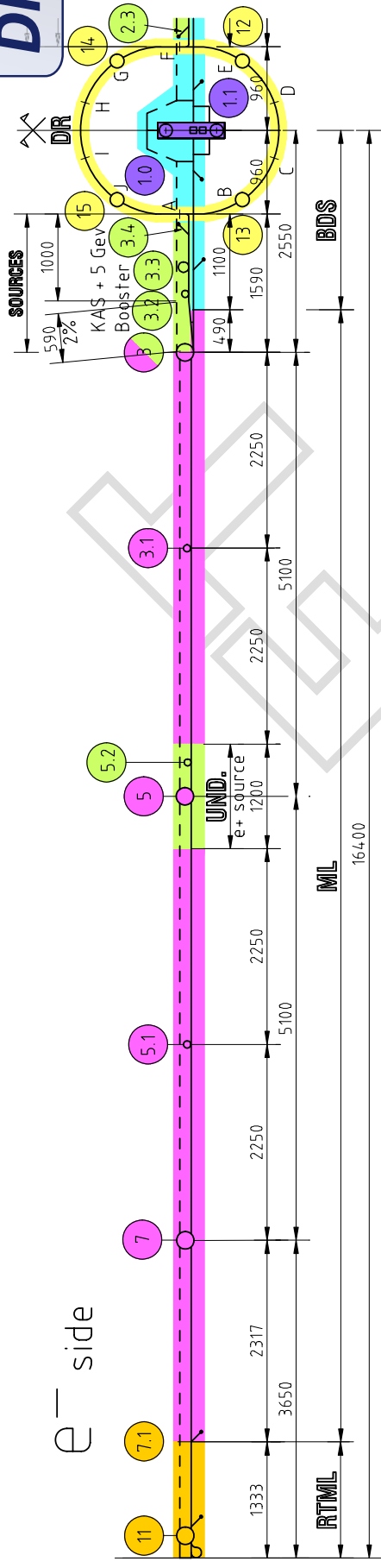


DRAFT

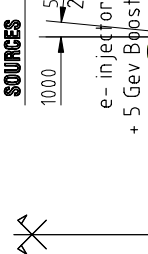


SITE / TUNNEL LENGTHS (m)

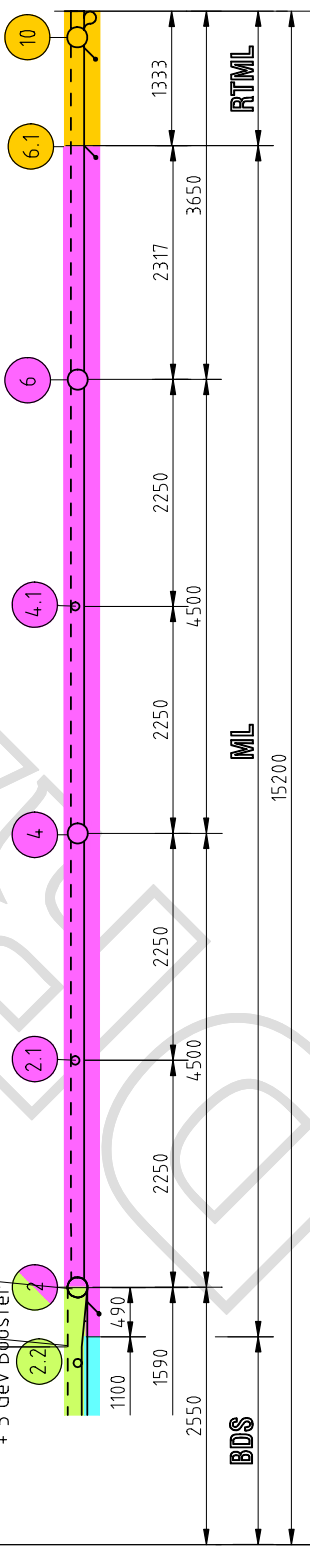
e- side ML + RTMIL	e+ side ML + RTMIL	BDS + DR + sources	TOTAL
13 850 / 27 700	12 650 / 25 300	5100 / 20 100	31600 / 73 100

TUNNELS

Area	e- inject., KAS beam + serv	DR	RTMIL beam + serv	ML beam + serv	BDS beam + serv	BDS Survey
∅m	4.5	4.5	4.5 + 4.5	4.5 + 4.5	4.5 + 4.5	1.5 x 2.2



e+ side



- Legend :
- RTML
 - ML
 - DR
 - Sources e- KAS
 - BDS
 - Detectors Area

SHAFTS

Point	1.0	1.1	2	3	3.3	5.2	4	5	6	7	10	11	12/E	13/B	14/G	15/J
∅m	16	16	14	14	4	4	4	14	14	9	9	9	9	9	9	9

BORINGS

Point	∅m
2.1, 3.1, 4.1, 5.1	150
2.2, 3.2	

SHAFT BASE CAVERNS

Point	2, 3, 4, 5, 6, 7, 10, 11
(LxWxH) m	49 x 16 x 18 + 3 storeys

SOURCES CAVERNS

Point	Undulator	KAS, 3.3	e- injector
(LxWxH) m	70 x 22.5 x 15 70 x 13 x 10	22 x 15 x 15	110 x 15 x 10 27.5 x 22 x 15
		7 X 15 X 5	

DR ALCOVES

Point	A, C, D, F, H, I	12, 13, 14, 15
(LxWxH) m	16 x 8 x 8	50 x 10.5 x 10 + 1 storey

DETECTORS HALL

Point	10, 1.1
(LxWxH) m	120 x 25 x 35

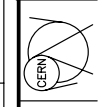
MAIN BEAM DUMPS (N)

Point	11.1 (2x)	6.1, 7.1, 10, 11	2-F, 3-A	2.3, 3.4
(LxWxH) m	26 x 13 x 15 + 1 storey		20 x 10 x 10	

ILC - UNDERGROUND STRUCTURES SCHEMATIC LAYOUT - PP ALTERNATIVE

AREA SYSTEM DIVISION (2 mobile Detectors - Push Pull - modified CMS procedure)

EUROPEAN REGION



GROUP : TS-CE
 CIVIL ENGINEERING
 SUPERVISOR : J.L.BALDY
 DESIGNER : N.BADDAMS

SCALE : 1/50000(A3-FORMAT) DATE : 27-OCT-2006
 SIZE INDEX
ILC-CE-1.1649.0016 3 C