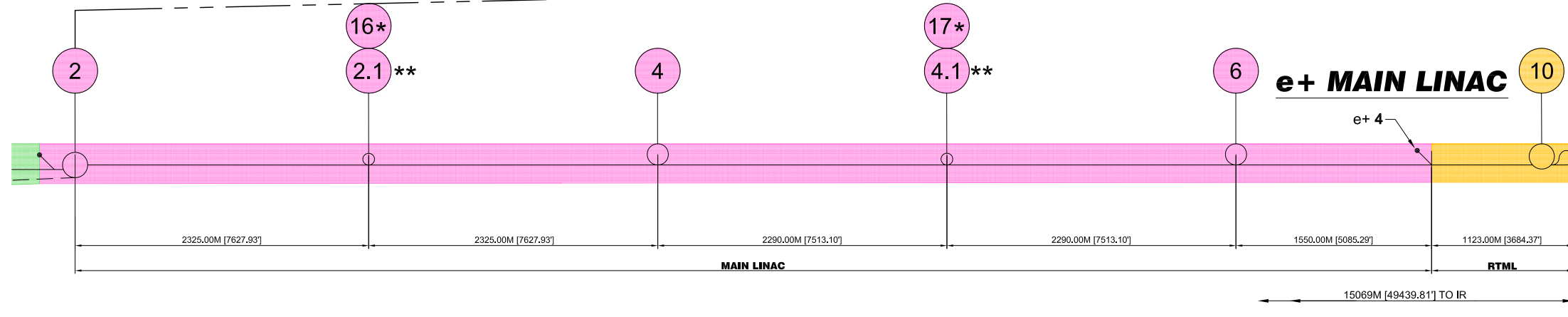


- LEGEND**
- \* INDICATES SHAFTS FOR KLYCLUSTER TECHNOLOGY ONLY
  - \*\* INDICATES SHAFTS FOR DRFS AND RDR TECHNOLOGY ONLY
  - RTML
  - ML
  - SOURCES
  - DR
  - BDS
  - DETECTOR AREA



**SITE / TUNNEL LENGTHS (M)**

e- SIDE ML + RTML	e+ SIDE ML + RTML	B.D.S./SOURCES SERVICE/FTRL/PTRL	DAMPING RING	TOTAL
12170	12170	6635 + 5635 + 320	3238	40168

**TUNNELS WIDTH (M)**

AREA SYSTEM	e- INJECT. BDS & SERVICE	D.R.	R.T.M.L. BEAM	MAIN LINAC BEAM	e+ INJECT. BDS & SERVICE
AMERICA-width M	4.5 + 4.5 + WIDENED AREAS	5.0	5.0	5.0	4.5 + 4.5 + WIDENED AREAS
EUROPE-width M	-	-	-	-	-
ASIA-width M	-	-	-	-	-

**SHAFT BASE CAVERNS**

POINT	2, 3	4, 5, 6, 7	10, 11	12	13	14, 15, 16, 17
AMERICA-( L x W x H )m	52 x 10 x 5.3		56 x 10 x 7	10x10x7	3 x 3 x SHAFT	
EUROPE-( L x W x H )m	-		-	-	-	
ASIA-( L x W x H )m	-		-	-	-	

**SHAFTS**

POINT	1.0	1.1	1.2	2	2.2	3	3.3	4	5	6	7	10	11	12/C	13/A	14*	15*	16*	17*	2.1**	3.1**	4.1**	5.1**
Ø M	9	16	16	14	4	14	4	14	14	9	9	14	14	9	9	3	3	3	3	1.5	1.5	1.5	1.5

**DETECTORS HALL**

POINT	1.1, 1.2
( L x W x H )m	120 x 25 x 39

**MUON WALL WIDENINGS**

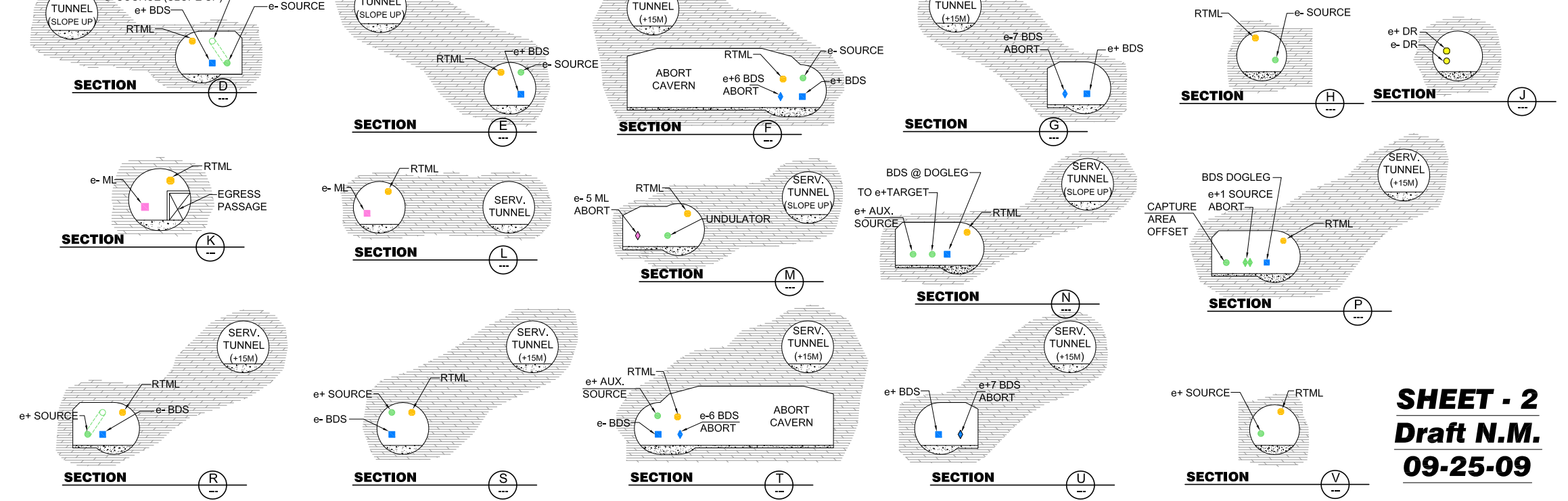
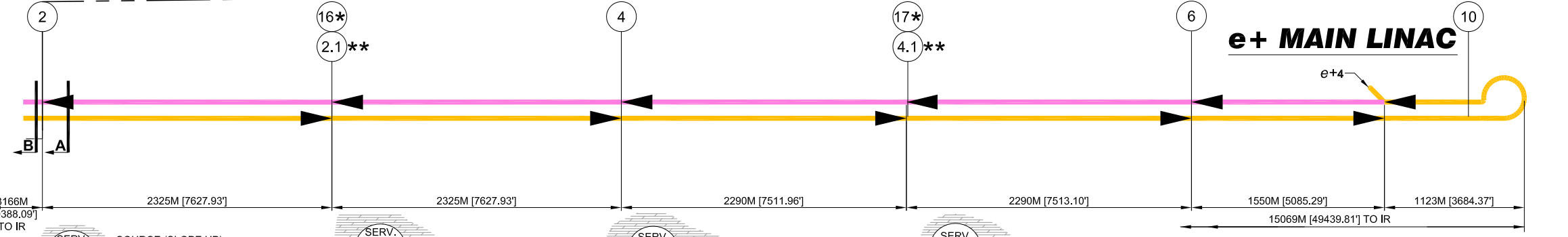
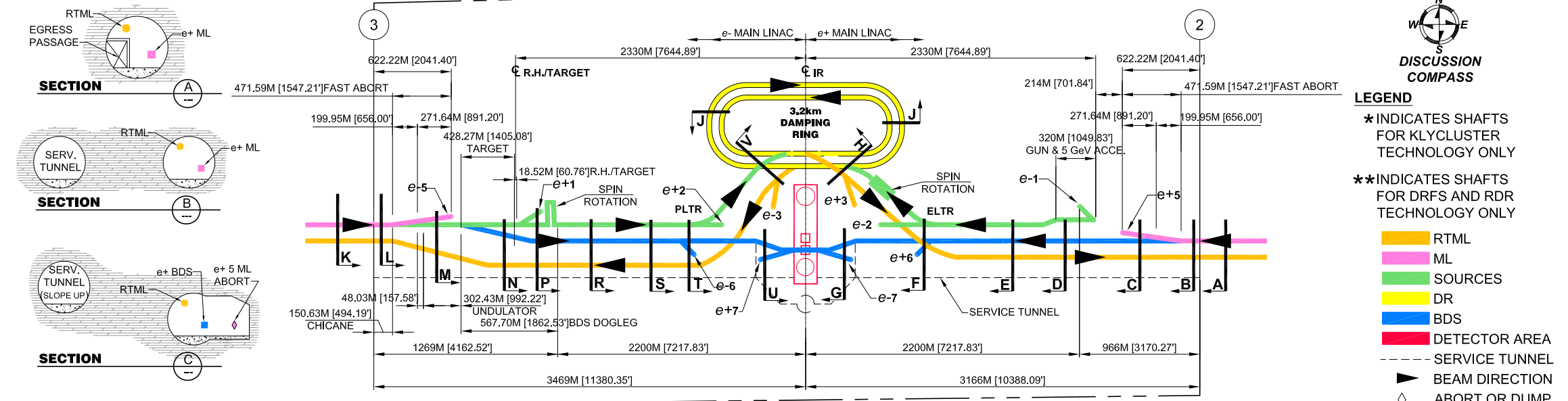
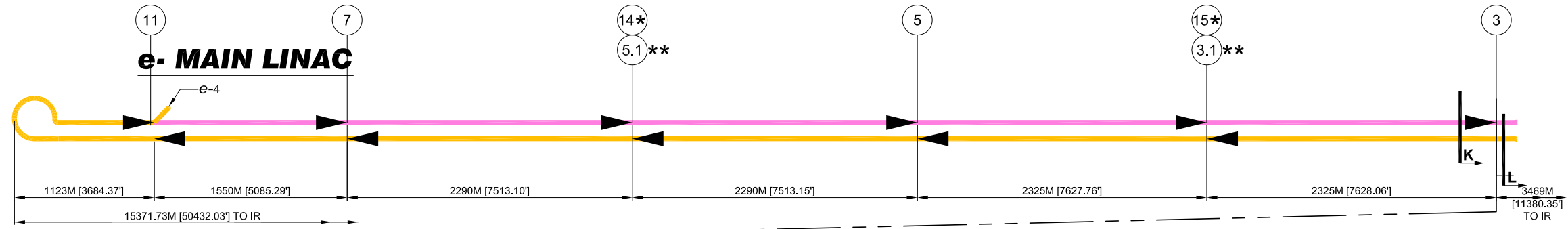
POINT	BDS e-6 & e+6
( L x W x H )m	25 x 7 x 6 +15 x 7 x 6

- e- 1 NC TUNE UP DUMP 11KW
- e- 2 SC TUNE UP DUMP 311KW
- e- 3 EDRX TUNE UP DUMP 311 KW
- e- 4 RTML TUN EUP DUMP 220 KW
- e- 5 e-LINAC FAST ABORT (TBD) KW
- e- 6 BDS TUNE UP DUMP 18MW
- e- 7 PRIMARY e- DUMP - 20MW
- e+ 1 TARGET DUMP 200 KW
- e+ 2 SC TONE UP DUMP 311 KW
- e+ 3 PDRX TUNE UP DUMP 311 KW
- e+ 4 RTML TUNE UP DUMP 220 KW
- e+ 5 e+LINAC FAST ABORT (TBD) KW
- e+ 6 BDS TUNE UP DUMP 18MW
- e+ 7 PRIMARY e+ DUMP - 20 MW

**BEAM ABORT CAVERNS ( )**

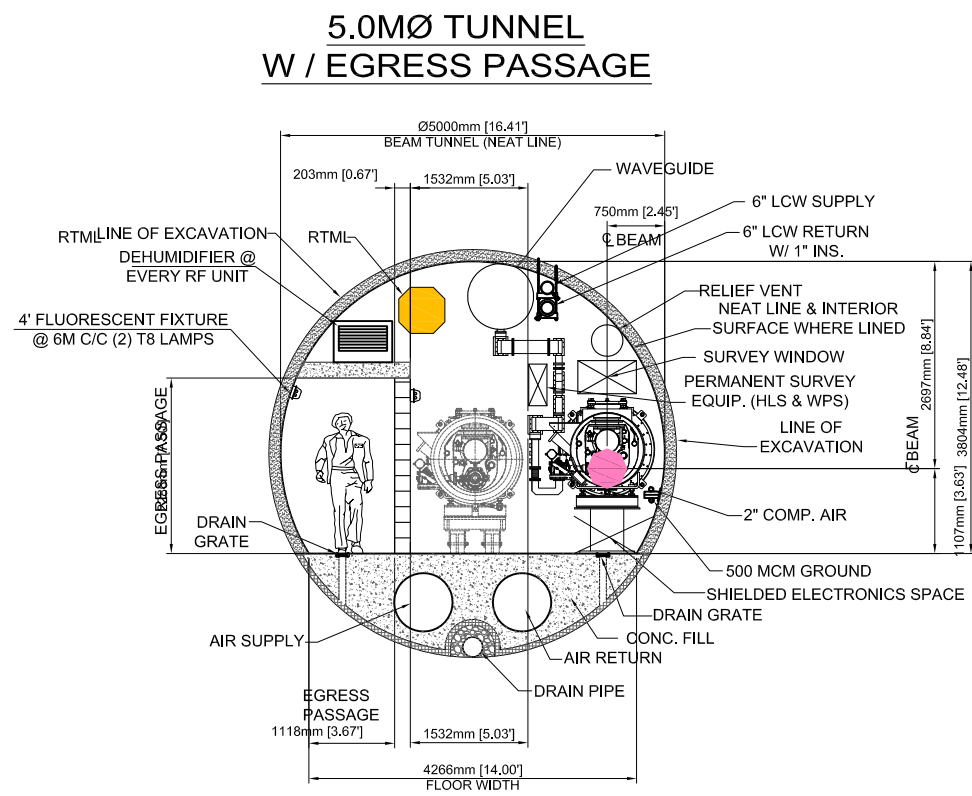
POINT	SOURCES e-1	RTML e-2, e-3, e-4, e+1, e+2, e+3& e+4	ML e-5, e+5	BDS e-6, e-7, e+6 & e+7
AMERICA-( L x W x H )m	WITHIN TUNNEL	10 x 13 x 7	20 x 9 x 15	20 x 42 x 8
EUROPE-( L x W x H )m	-	-	-	-
ASIA-( L x W x H )m	-	-	-	-

**SHEET - 1**  
**Draft N.M.**  
**09-25-09**

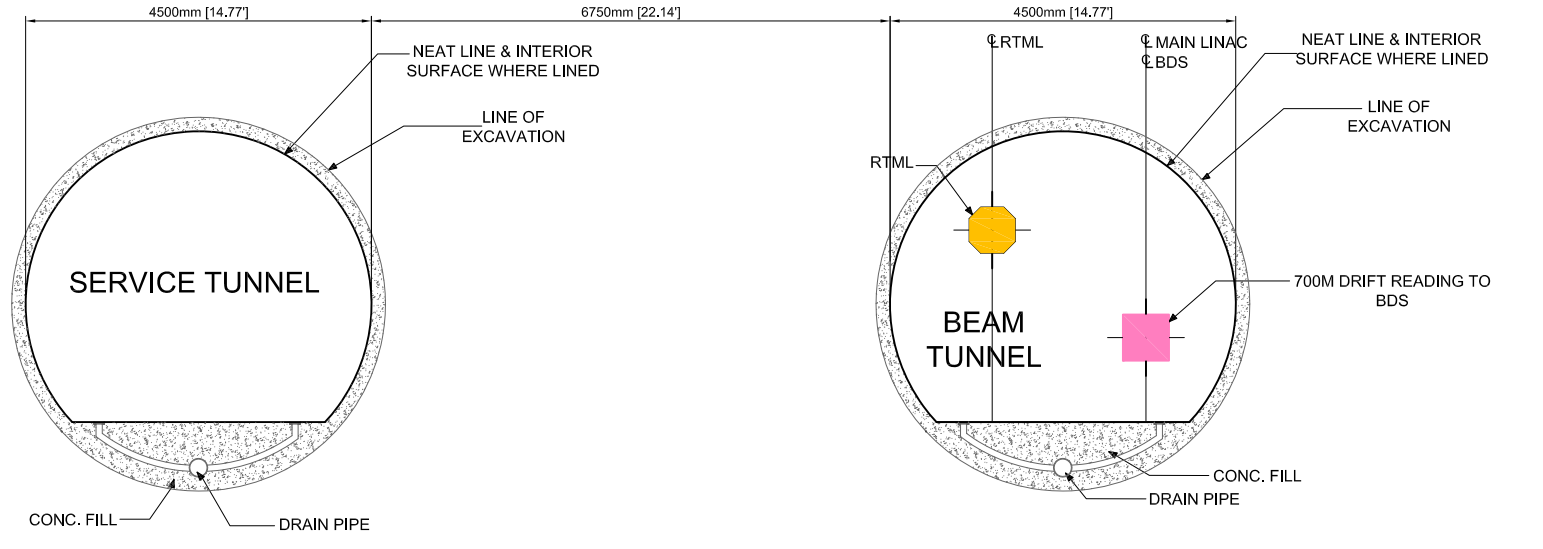


**SHEET - 2**  
**Draft N.M.**  
**09-25-09**

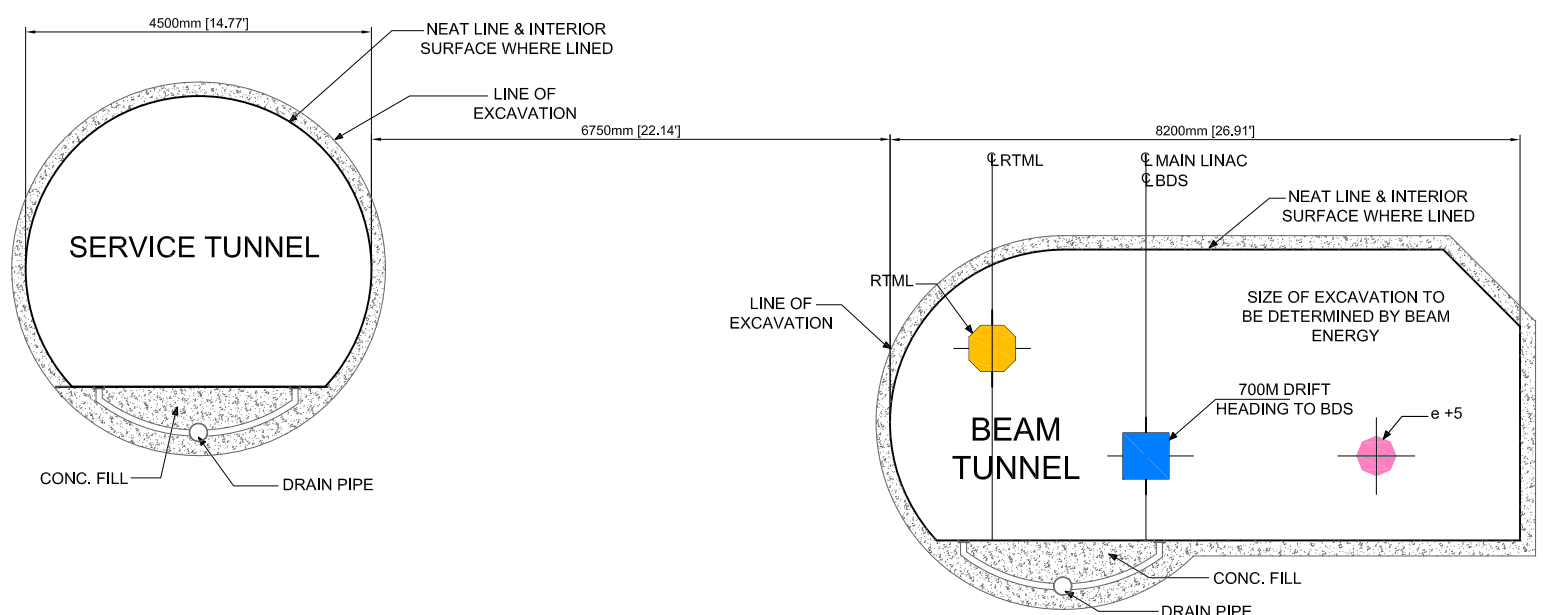
# e+ MAIN LINAC



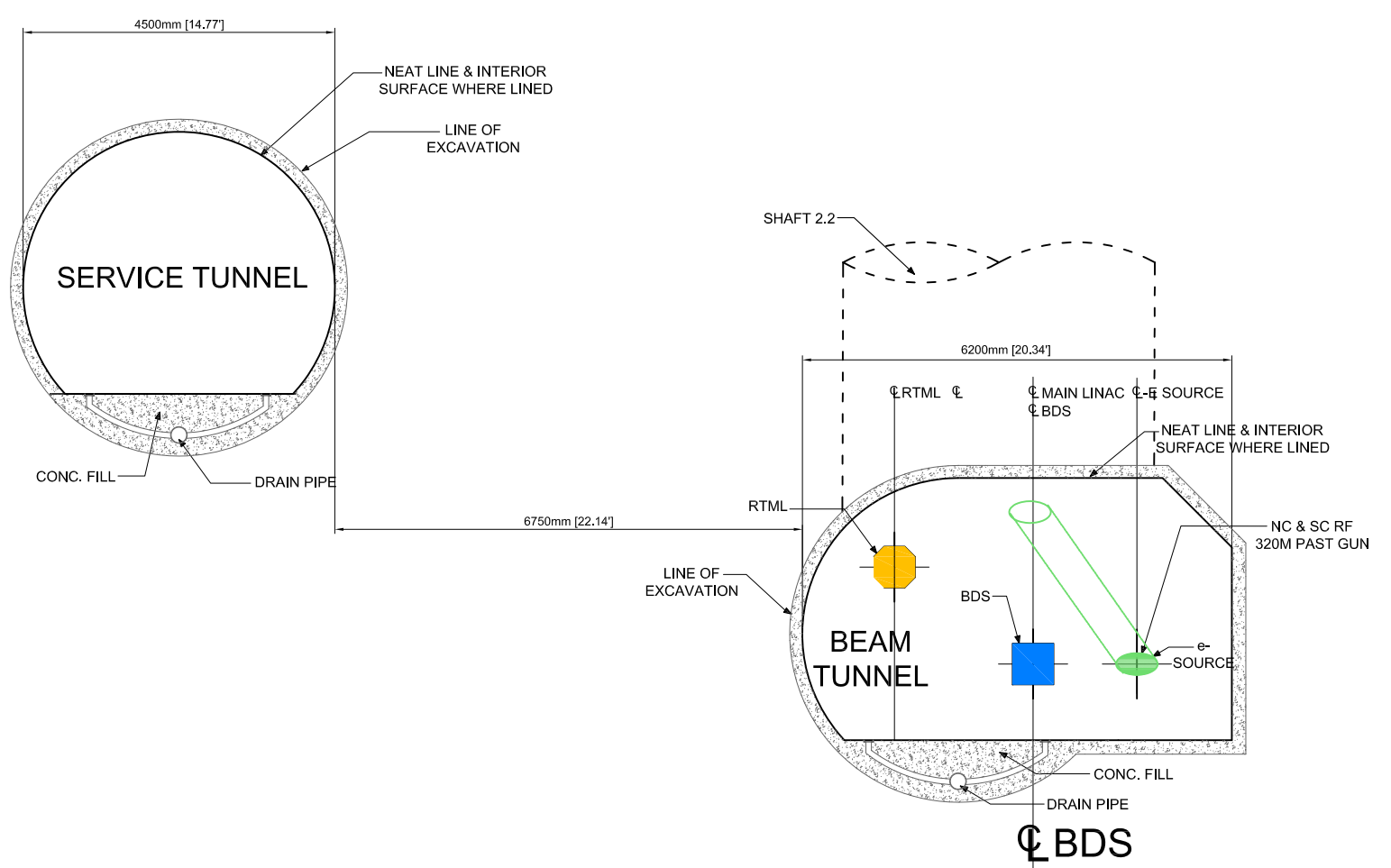
SECTION @ e+ MAIN LINAC (A)



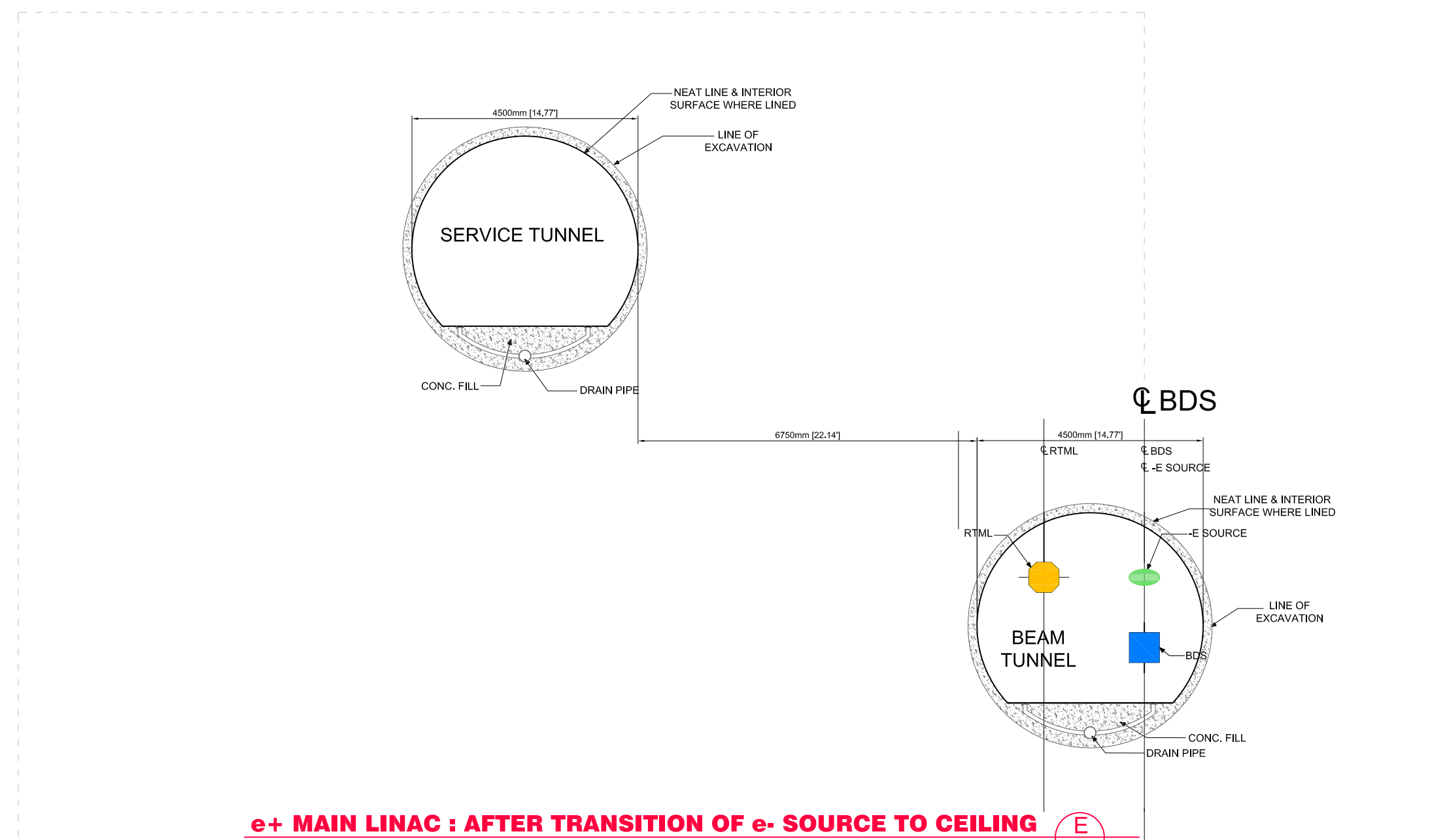
e+ MAIN LINAC : SECTION FROM MAIN LINAC TO e- GUN (B)



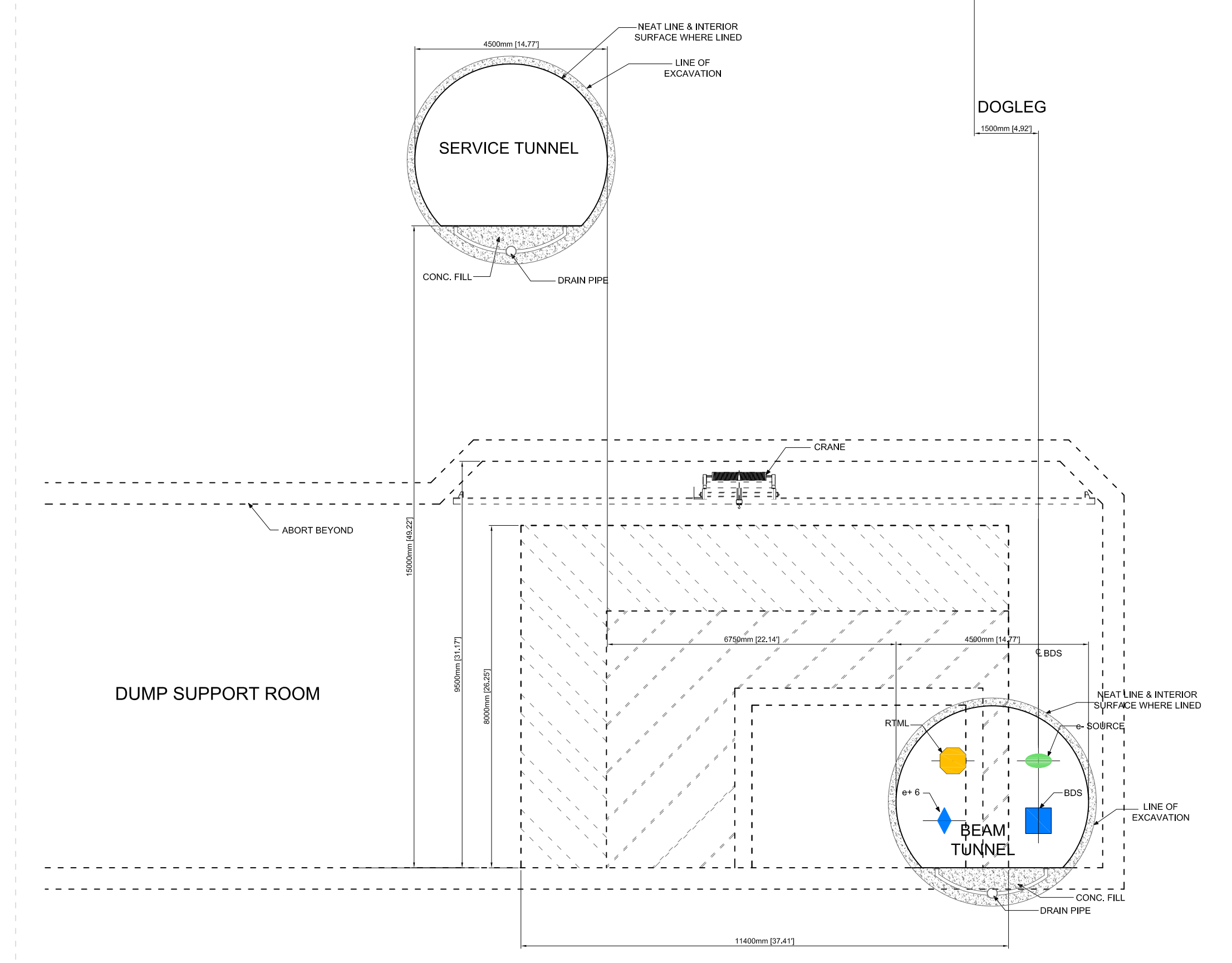
e+ MAIN LINAC : SECTION FROM MAIN LINAC TO e- GUN (C)



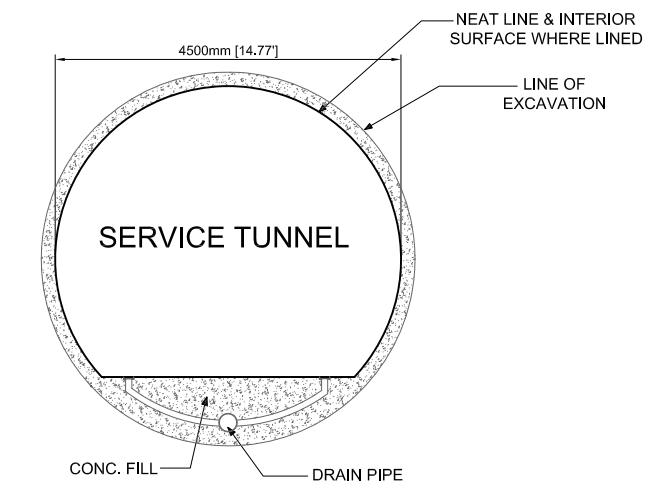
e+ MAIN LINAC : SECTION FROM e- GUN TO 100M PAST 5 GeV LINAC (D)



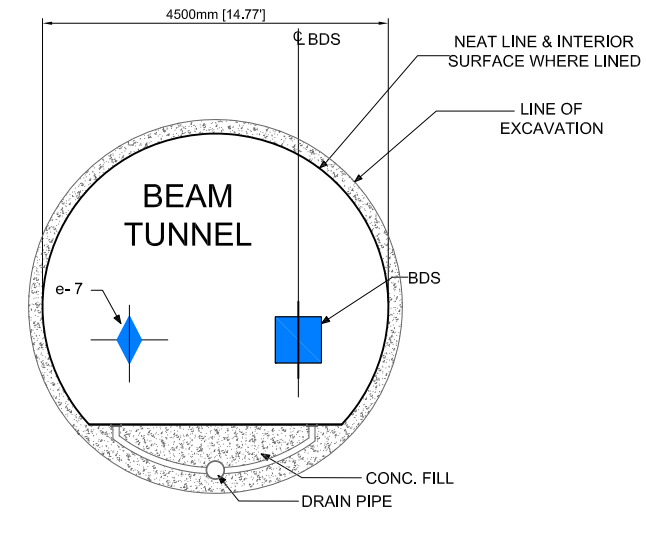
e+ MAIN LINAC : AFTER TRANSITION OF e- SOURCE TO CEILING (E)



e+ MAIN LINAC : SECTION @ BDS NEAR DETECTOR HALL (F)



SECTION @ ELTR (H)

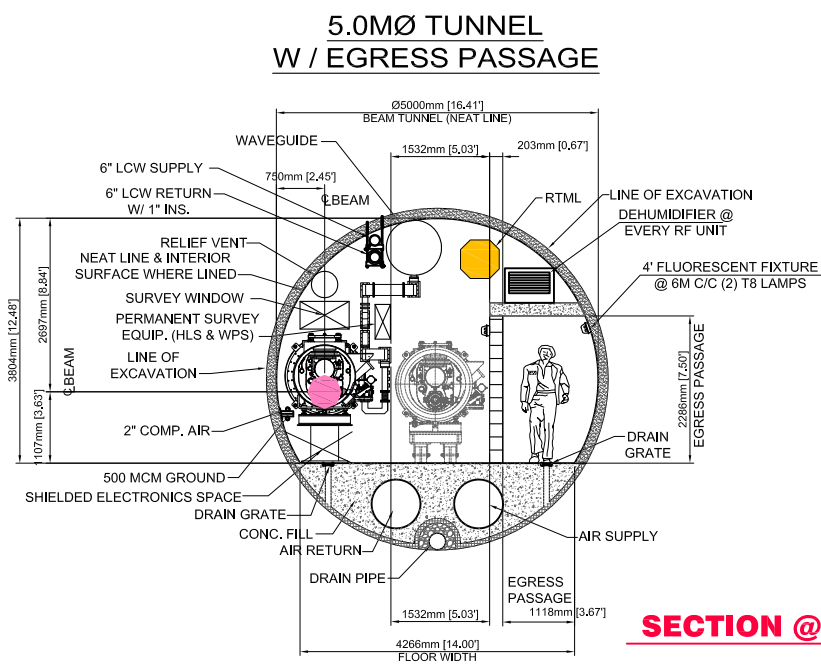


DAMPING RING (J)

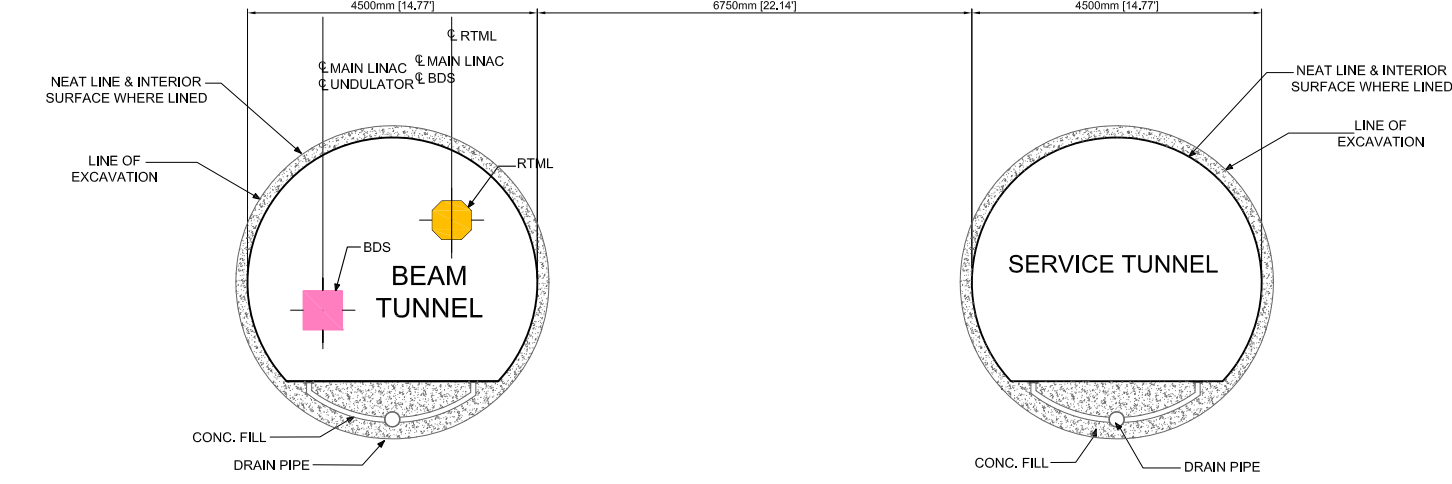
- LEGEND**
- RTML
  - ML
  - SOURCES
  - DR
  - BDS
  - DETECTOR AREA

**SHEET - 3**  
**Draft N.M.**  
**09-25-09**

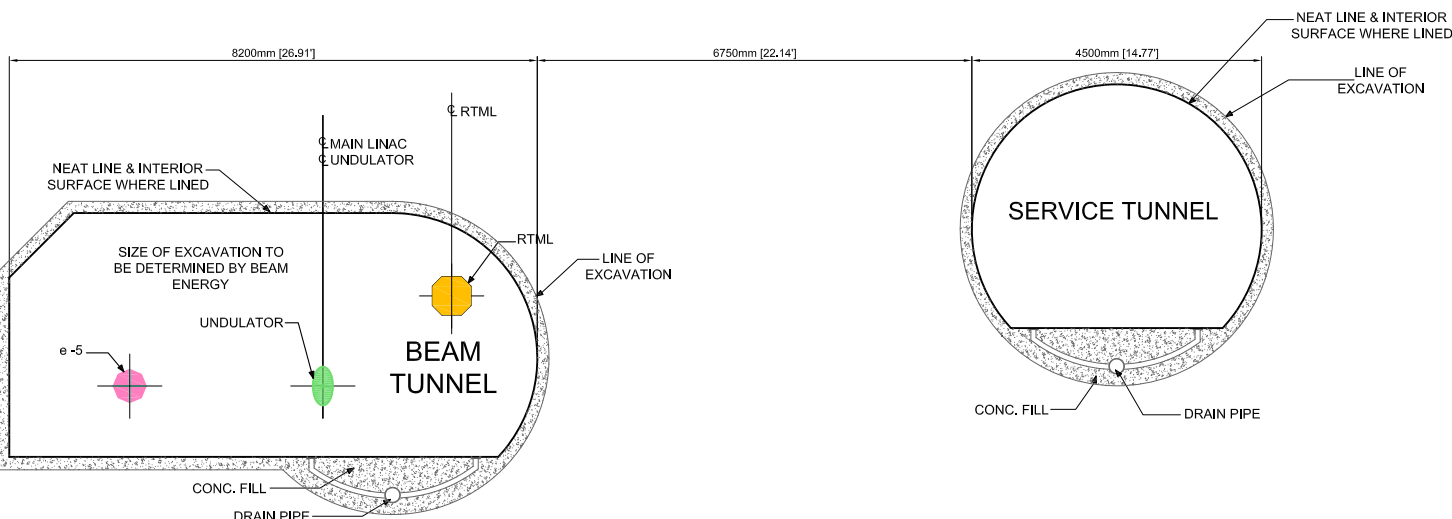
# e- MAIN LINAC



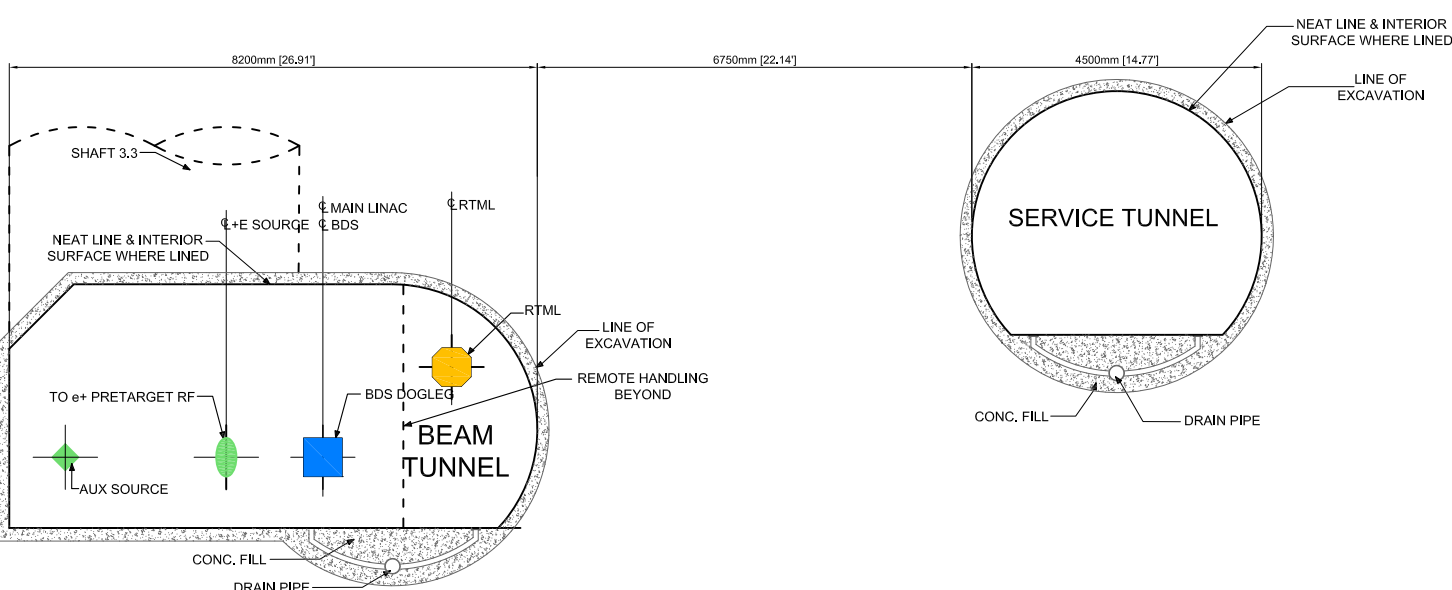
SECTION @ e- MAIN LINAC (K)



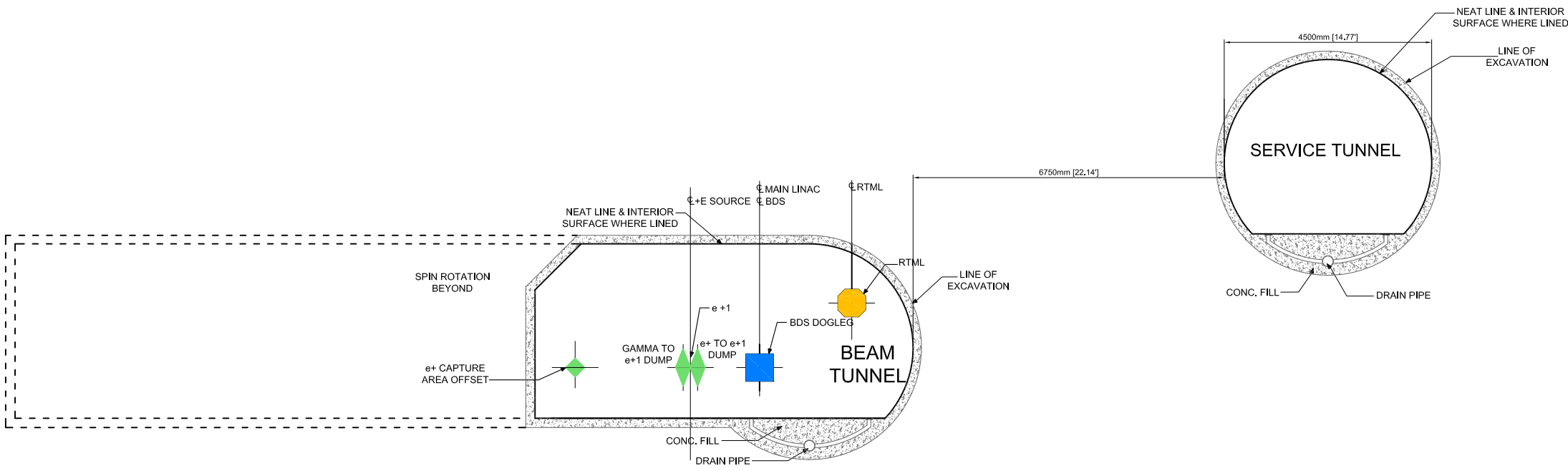
e- MAIN LINAC : SECTION @ UNDULATOR (L)



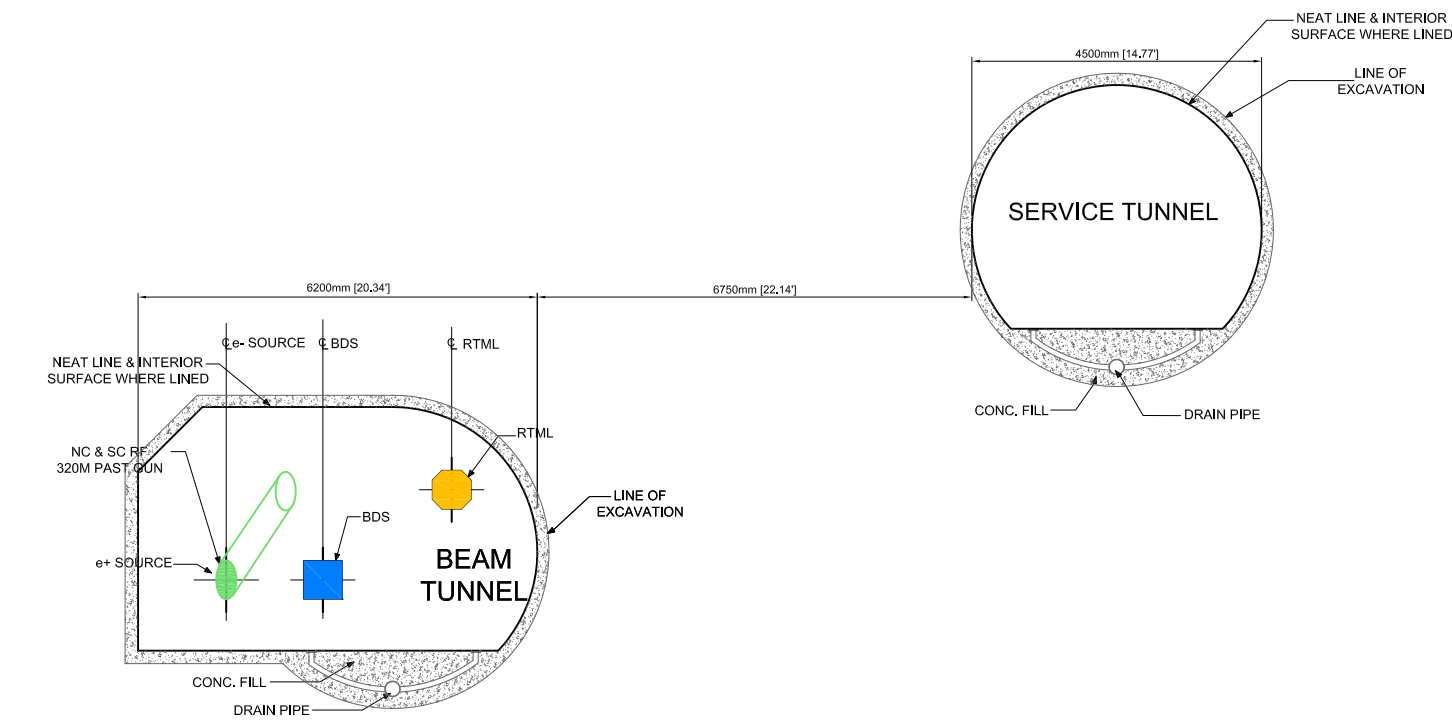
e- MAIN LINAC : SECTION @ UNDULATOR (M)



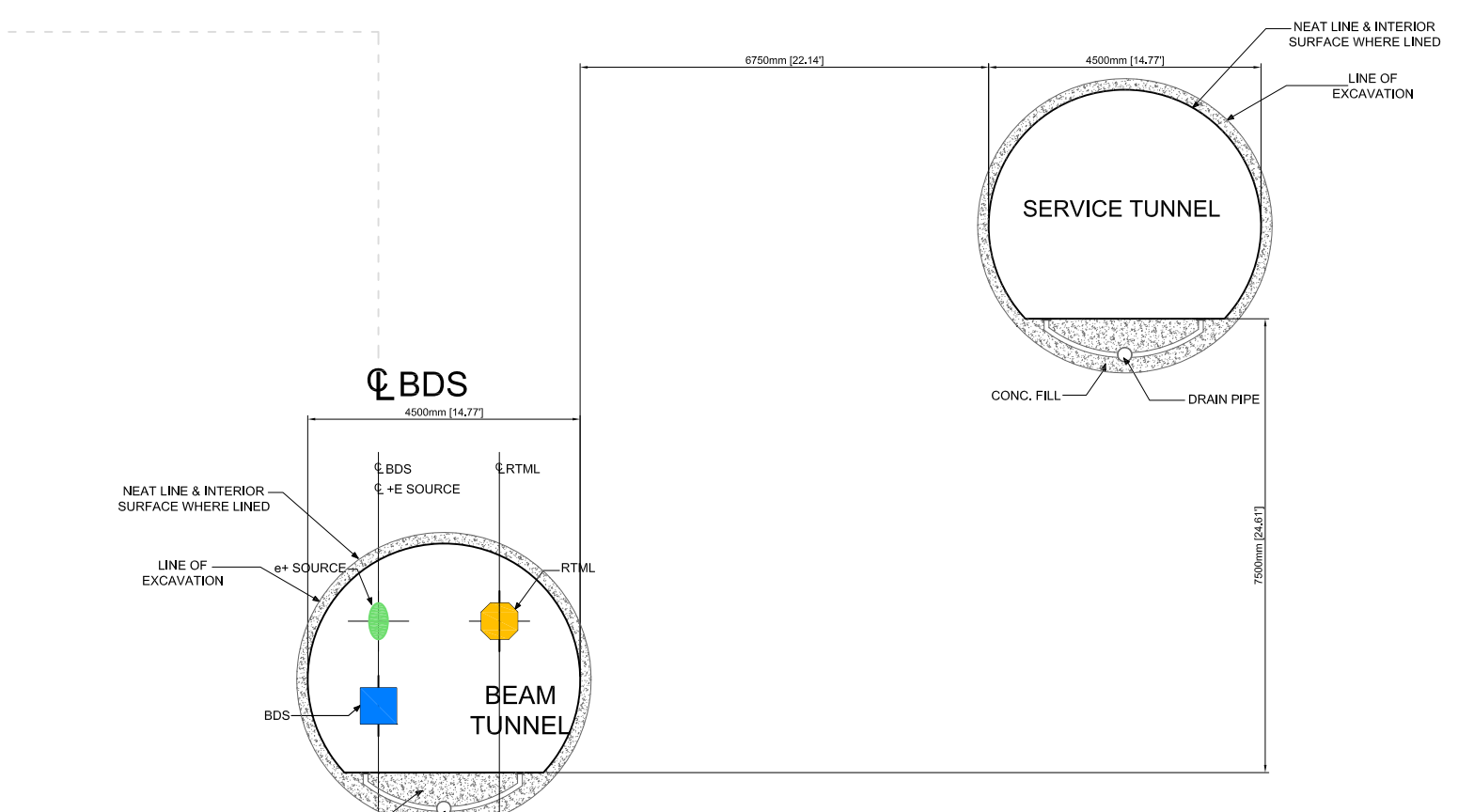
e- MAIN LINAC : SECTION @ BDS DOGLEG (N)



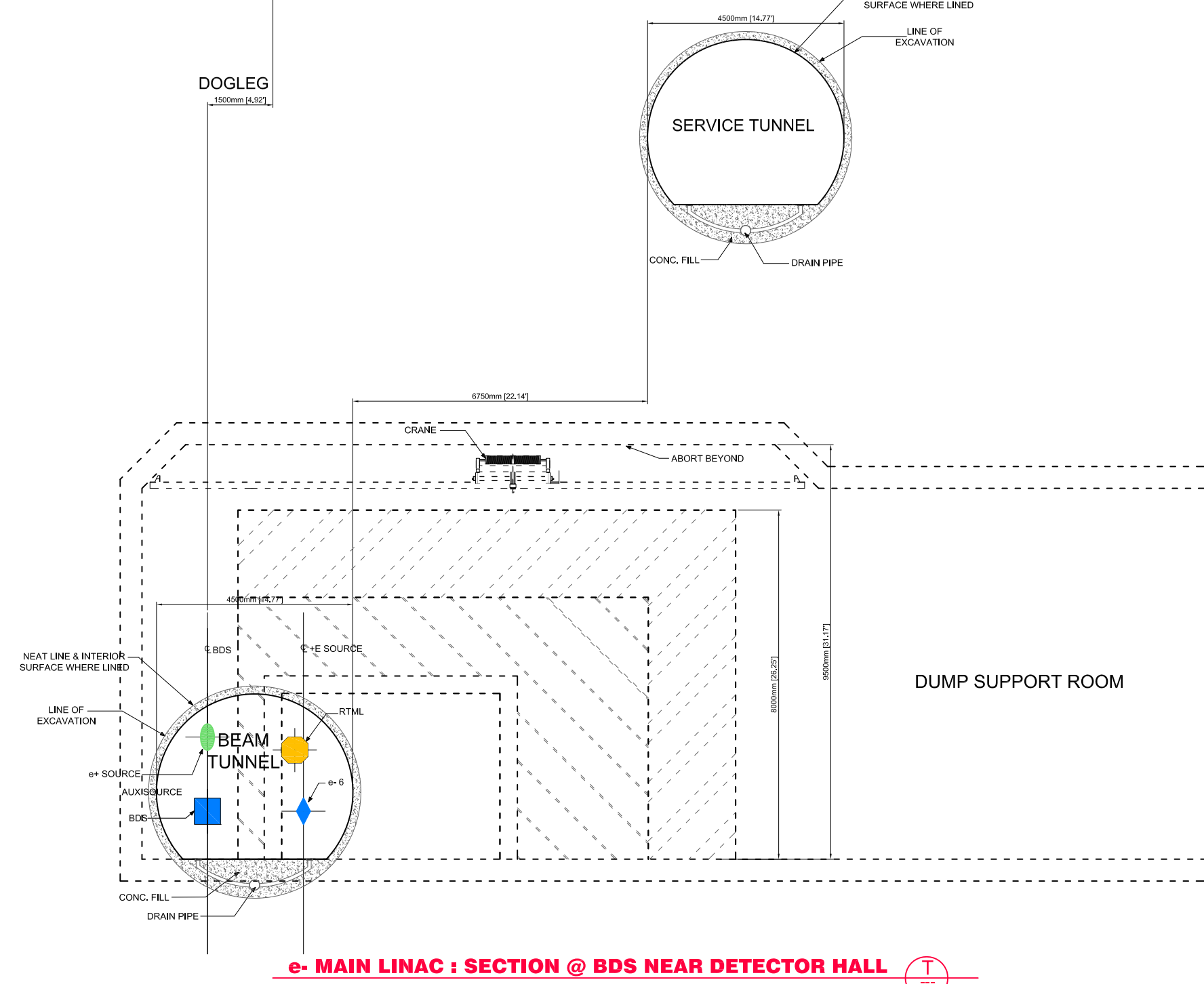
e- MAIN LINAC : SECTION @ BDS DOGLEG (P)



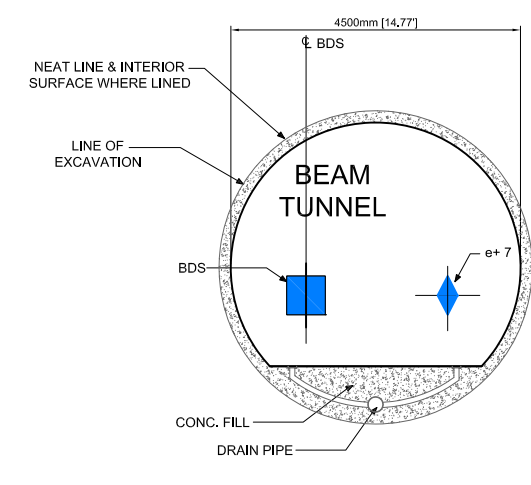
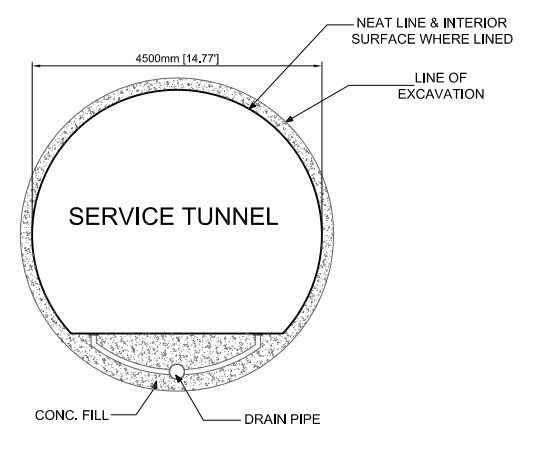
e- MAIN LINAC : SECTION FROM e- GUN TO 100M PAST 5 GeV LINAC (R)



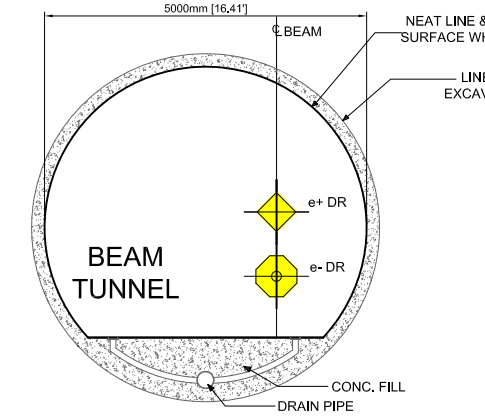
e- MAIN LINAC : SECTION AFTER TRANSITION OF SOURCE TO CEILING (S)



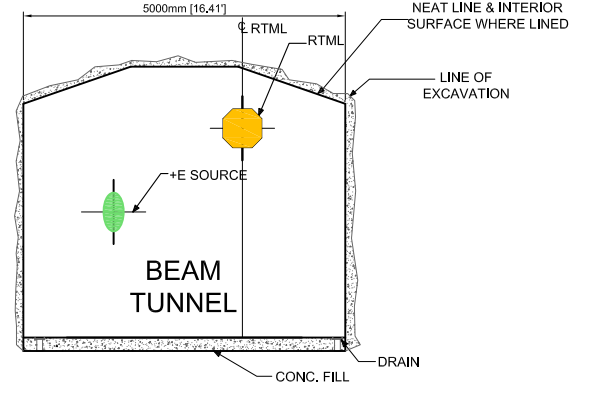
e- MAIN LINAC : SECTION @ BDS NEAR DETECTOR HALL (T)



e- MAIN LINAC : SECTION @ BDS NEAR DETECTOR HALL (V)



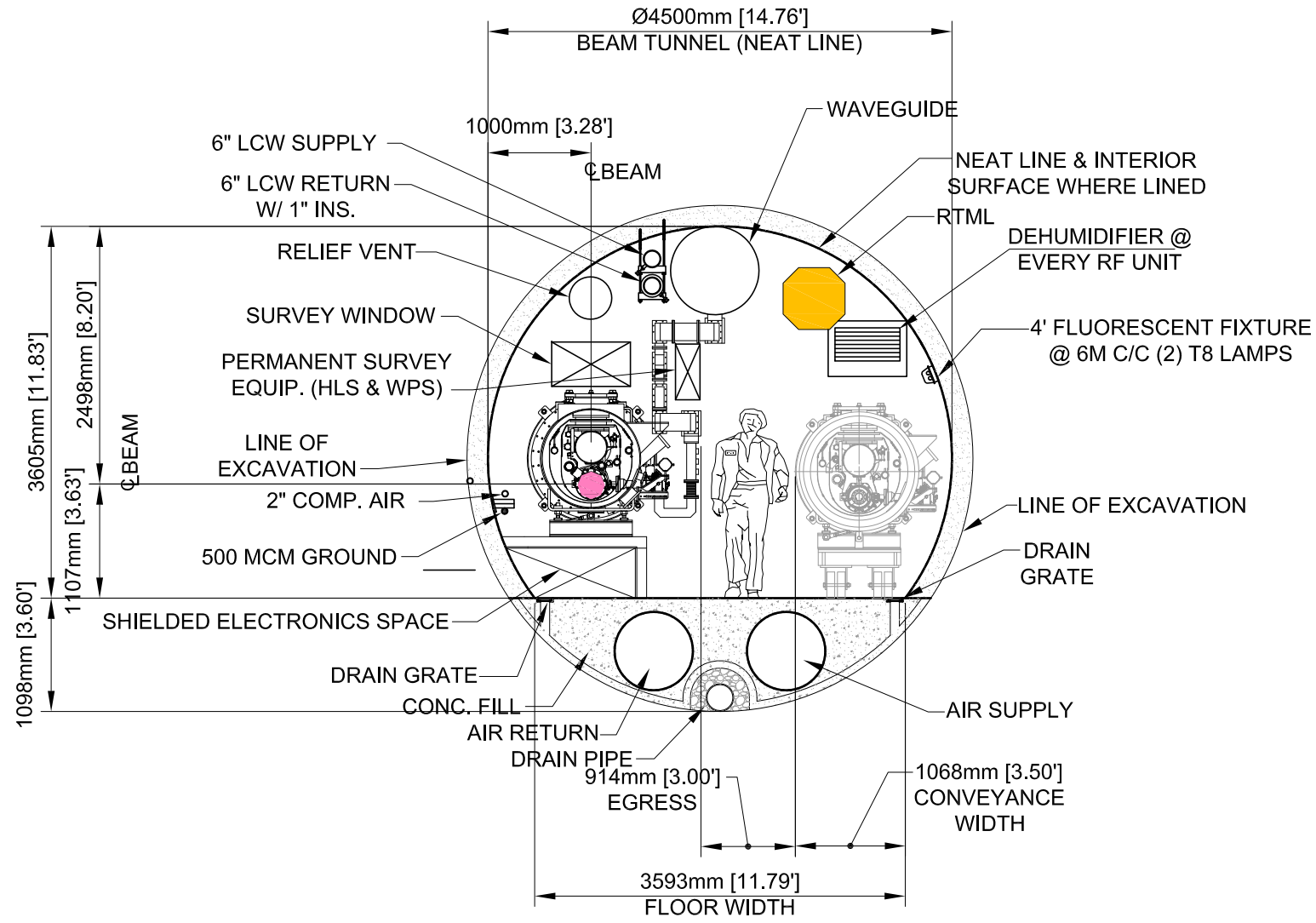
DAMPING RING (J)



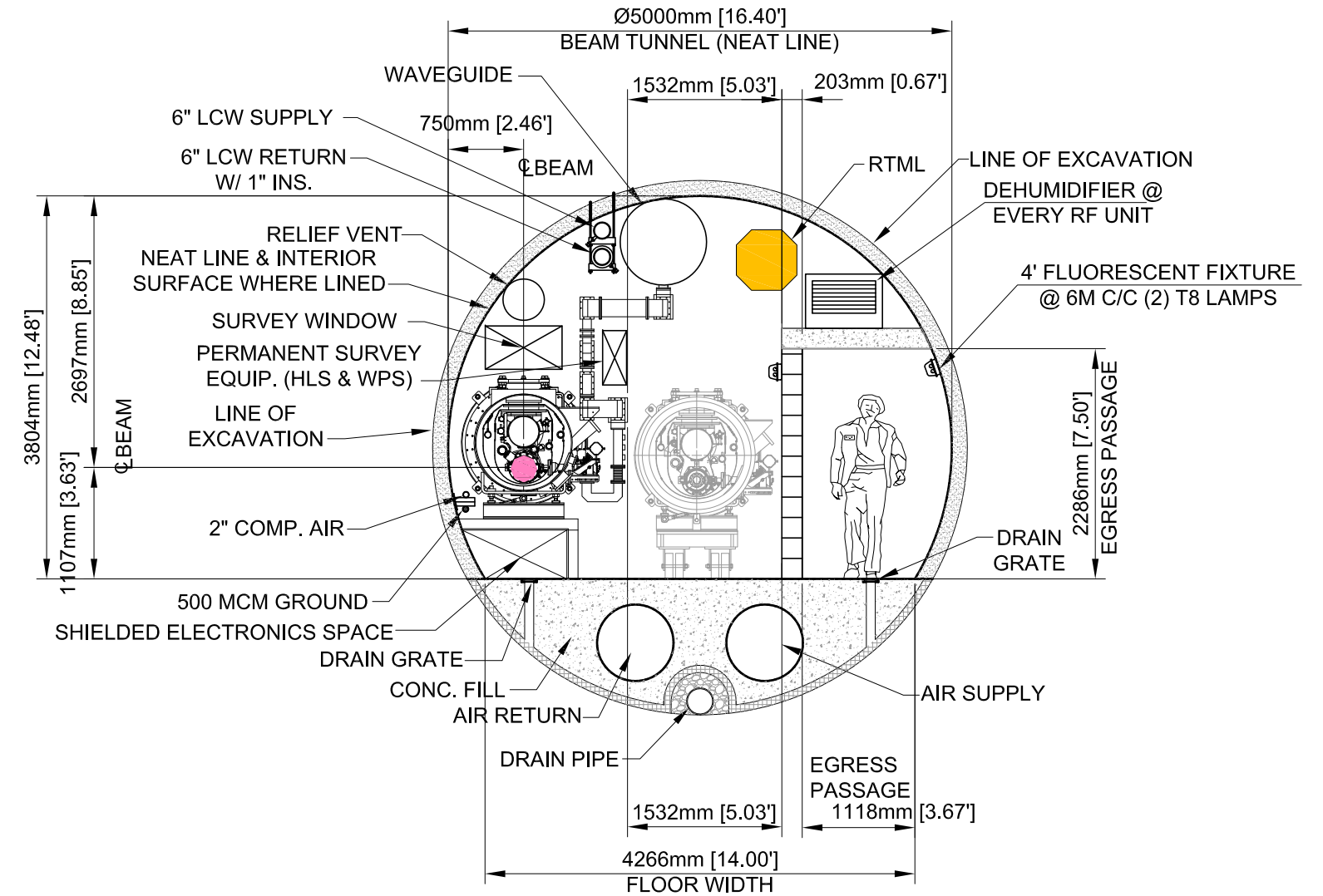
SECTION @ PLTR (V)

- LEGEND**
- RTML
  - ML
  - SOURCES
  - DR
  - BDS
  - DETECTOR AREA

**SHEET - 4**  
**Draft N.M.**  
**09-25-09**



**4.5MØ TUNNEL**



**5.0MØ TUNNEL  
W / EGRESS PASSAGE**