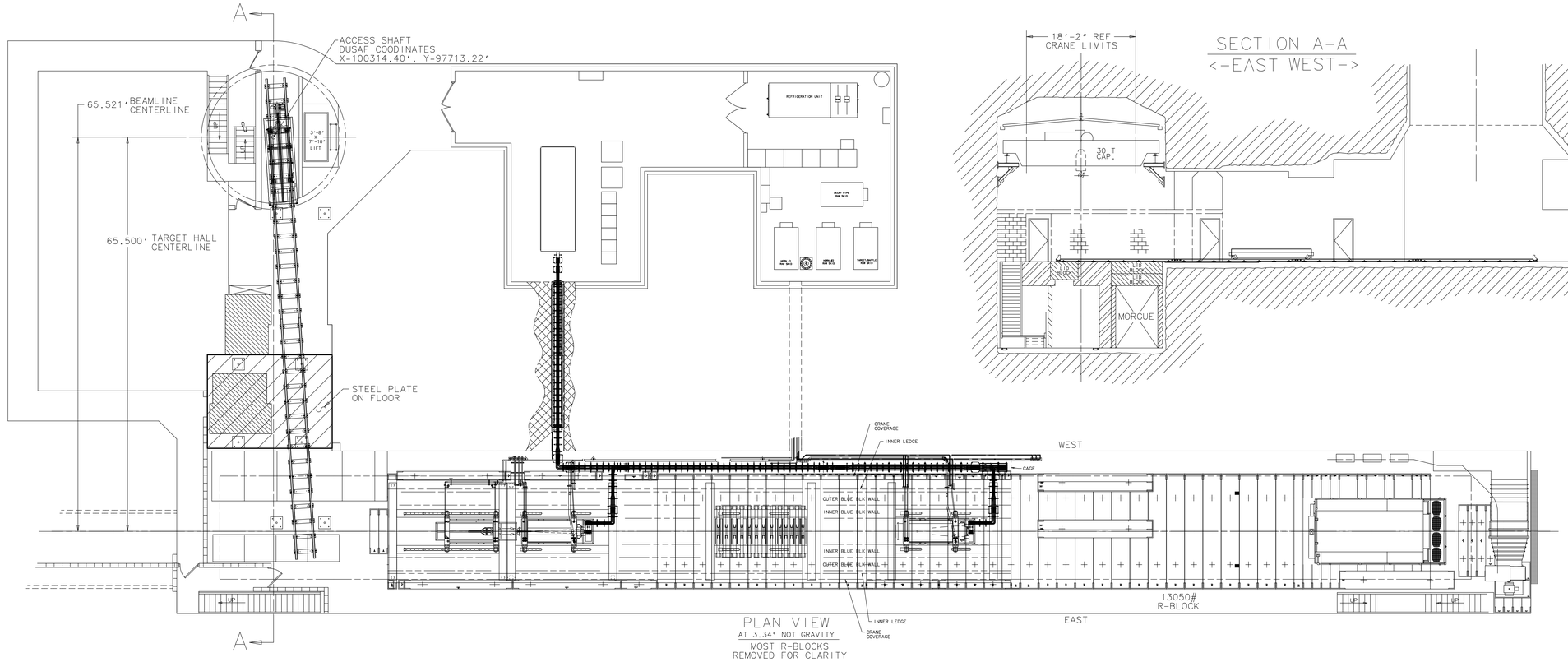
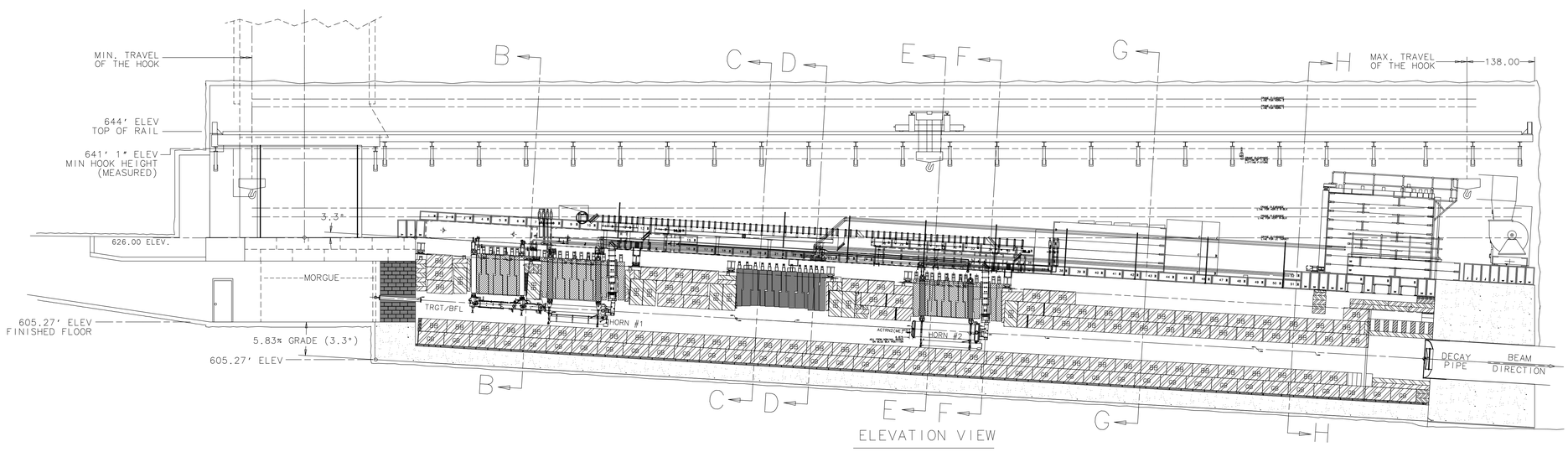
REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE



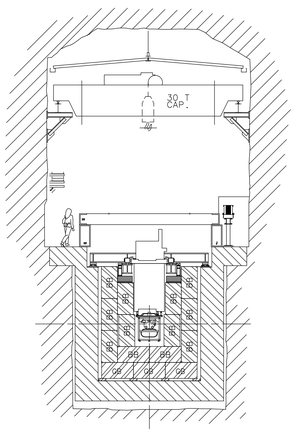
PLAN VIEW
AT 3.34° NOT GRAVITY
MOST R-BLOCKS REMOVED FOR CLARITY

SECTION A-A
<-EAST WEST->

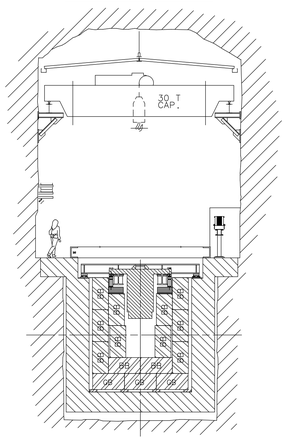


ELEVATION VIEW

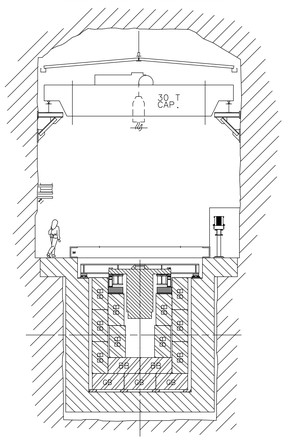
SECTION B-B



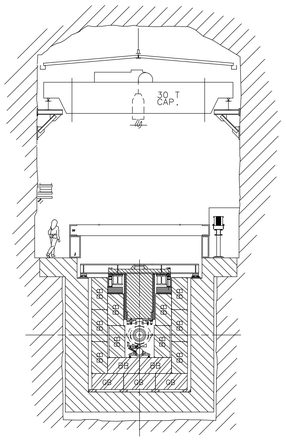
SECTION C-C



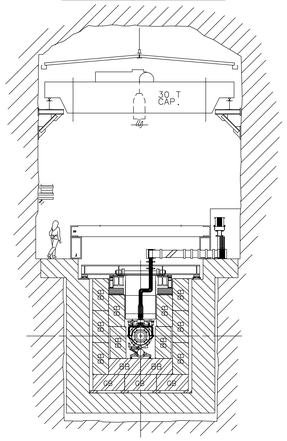
SECTION D-D



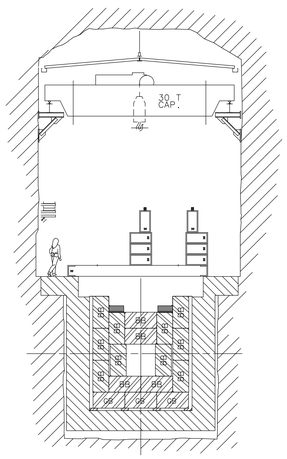
SECTION E-E



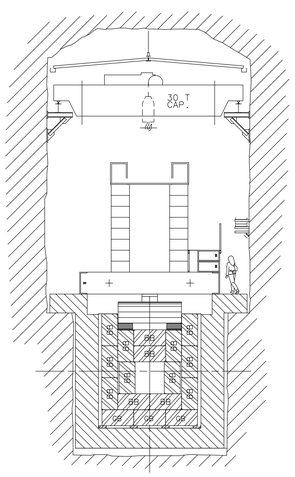
SECTION F-F



SECTION G-G



SECTION H-H



PRE-ANU NUMI DRAWING LIST:
1) STRIPLINE:
   MAIN - STRIPLINE_MAIN_ASSY
   STAGING AREA (HORN 2)- ME-437407
   COFFIN ASSEMBLY- MD-437436
   TIPPING FIXTURE- MC-4377477
2) FESS DRAWINGS:
   CRANE- #6-7-7, BC-4, BC-5
   ENCLOSURE- #6-7-4, C-33, C-39, C-40
   OUTFITTING- #6-7-6
3) WORKCELL:
   CELL- ME-406570
   CEILING- ME-406745 MULT SHT
4) AIR HANDLER- ME-433323
5) TARGET:
   TARGET- ME-427990
   MODULE- ME-427990
   CARRIAGE- ME-427288
   T-BLOCKS- ME-406803
6) HORN1: ME-363029
   HORN- ME-406087
   MODULE- ME-406087
   CARRIAGE- ME-427286
   T-BLOCKS- ME-406209
7) HORN2:
   HORN- ME-422239
   MODULE- ME-427708
   CARRIAGE- ME-427287
   T-BLOCKS- ME-406808
8) COMPONENT LOCATION:
   PRE_SNUMI- ME-363027 SHT1
   SNUMI- SNUMI_CONCEPTUAL_DRAWING
9) REMOVABLE TRGT HALL DOOR- ME-427403
10) PERMANENT TRGT HALL DOOR- ME-427318
11) STEEL LAYOUT:
   STEP 1(GROUT)- ME-406820
   STEP 2(AIR BLK)- ME-431514
   STEP 3(GRN BLK)- ME-406821
   STEP 4(OUT LYR1)- ME-406824
   STEP 5(OUT LYR2)- ME-406825
   STEP 6(FLR LYR)- ME-406823
   STEP 7(INR LYR1)- ME-406826
   STEP 8(INR LYR2)- ME-406827
   STEP 9(RAIL LYR)- ME-406828
   STEP 10(TOP LYR)- ME-406829
   STEP 11(R-BLK LYR)- ME-406830
   DOWNSTREAM ASSY - ME-431511
12) CHILLER ROOM DETAILS- ME-433208
13) DS TARGET HALL PIPE DETAILS- MD-406865
14) US TARGET HALL PIPE DETAILS:
   BEAMTUBE LINER ASSY- MD-422665
   BRICK WALL ASSY- ME-427887
15) R-BLOCK DETAILS:
   ORIGINAL- #13-2-25
   MODIFICATION- MC-431889
16) LIFTING FIXTURES:
   MODULE- ME-406376
   T-BLOCK- MD-406273
   BLUE BLOCKS- ME-406725
   BASKET- ME-431221
17) COOLING SYSTEM:
   TARGET, HORN 1 & 2 -ME-433010
   DS - ME-406313
   BATTLEMENT SEAL - ME-433278
   PIPE PENETRATION - MC-488464

NEW ANU DRAWING LIST:
1) UTILITIES:
   STRIPLINE - ME-437611
   RAW PENETRATION - MC-488464
   TARGET HALL RAW -ME-488462
   DI ROOM - LE-488463
2) FESS DRAWINGS:
3) AIR HANDLER:
4) TARGET:
5) HORN1:
6) HORN2:
7) COMPONENT LOCATION:
8) STEEL LAYOUT:
   LE SHIELDING - ME-437236
   ME SHIELDING - ME-437676
   CHASE BOT ME SHIELDING - ME-437676
   CHASE SIDE ME SHIELDING - MD-488050
   FILLER US TOP - MC-391390
   FILLER US BOT - MC-437713
   FILLER DS TOP - MC-437638
   FILLER DS BOT - MC-437714
   BLUE BLOCK COFFIN - MD-488187
   ME CUT TEMPLATE - 437291-301 & 488084
   ME WELD TEST - MC-437
9) R-BLOCK DETAILS:
10) LIFTING FIXTURES:
   CARRIAGE LIFT FIXTURE - MD-488507
11) COOLING SYSTEM:
12) OTHER:
   ME SHEETMETAL REMOVAL - MC-488610
   CUT TEMPLATE -

NOTES:
1) THIS DRAWING IS MEANT TO BE THE MOST ACCURATE AND COMPREHENSIVE DRAWING FOR ALL THINGS IN THIS AREA AS OF 2012. DRAWINGS LISTED AND RELEASED AROUND THIS YEAR MAY BE SIMILIAR BUT MUST BE CHECKED CAREFULLY AGAINST THIS DRAWING. THE ME LOCATION WAS MOVED 6.5" AFTER THE BLUE BLOCK "VOID" WAS SURVEYED. SUB-SYSTEM ENGINEERS WERE INFORMED AND ADJUSTED ACCORDINGLY. AS BUILTS OF SUB-SYSTEM DRAWINGS MAY NOT HAVE BEEN DONE.
2) DRAWINGS LISTED IN LIST ARE ONLY OF KNOWN MAIN ASSEMBLIES ONLY. PARTS CAN BE FOUND BY INTERROGATE SUBSEQUENT USED ONS, IF THEY EXIST. AN EFFORT WAS MADE TO INCLUDE ASSEMBLIES WITH DISCONTINUOUS USED ONS.
3) BLUE BLOCK REGION US AND DS OF ME VOID SURVEYED AND IS DISPLAYED ACCURATLY ON THIS DRAWING.
4) ALL BATTLEMENT POSITIONS HAVE BEEN PHYSICALLY MEASURED USING BLOCK 51 DS AS A REFERENCE AND ARE SHOWN ACCURATLY ON THIS DRAWING. R-BLOCKS IMMEDIATLY UPSTREAM AND DOWNSTREAM OF BATTLEMENTS ARE SHOWN NON 36" TO COMPENSATE FOR R-BLOCK WIDTH TOLERANCE AND R-BLOCK SPACING TOLERANCE.
5) HOOK AND HOOK BODY WAS MEASURED AND SHOW ACCURATLY.

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	S.TARIQ	13-MAY-2008
.XX	.XXX	ANGLES	DRAWN	E.PIRTLE	12-APR-2011
±	±	±	CHECKED		
1. BREAK ALL SHARP EDGES .015 MAX. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ANSI Y14.5M-1982 4. MAX. ALL MACH. SURFACES			APPROVED		
			USED ON		
			MATERIAL		

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

NUMI TARGET HALL
TARGET HALL SHIELDING LAYOUT
ALARA VERSION 8 STEP 28

SCALE	DRAWING NUMBER	SHEET	REV
	8875.000-ME-	1 OF 1	

CREATED WITH : Ideas12NXSeries | GROUP: ACCELERATOR MECH. SUPPT.