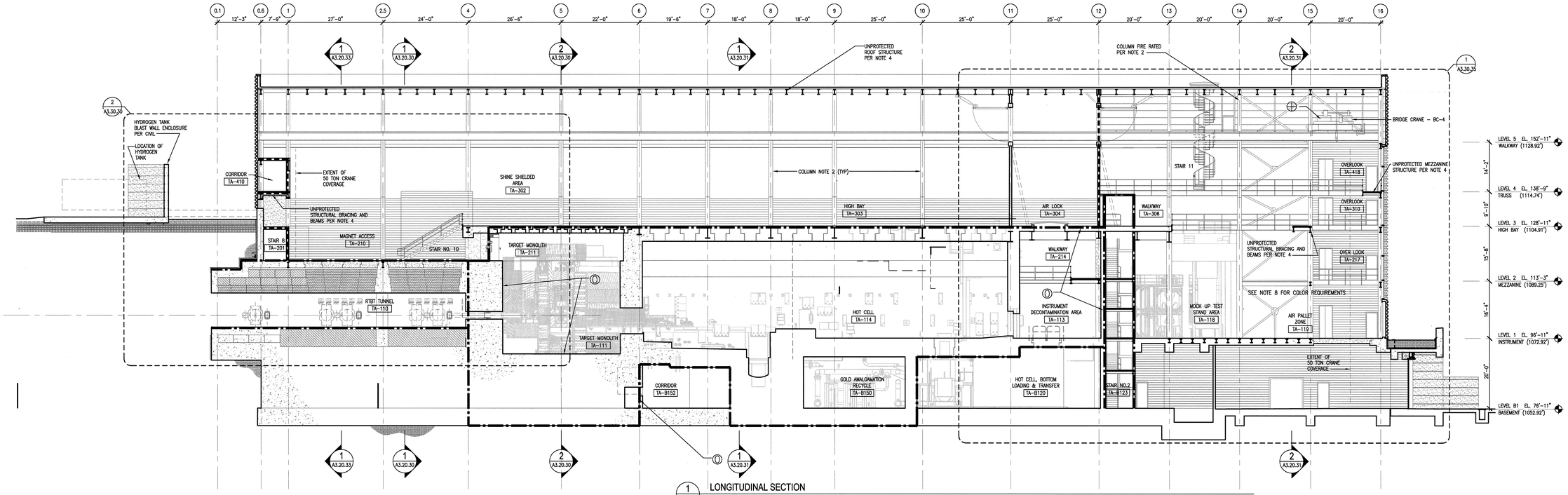
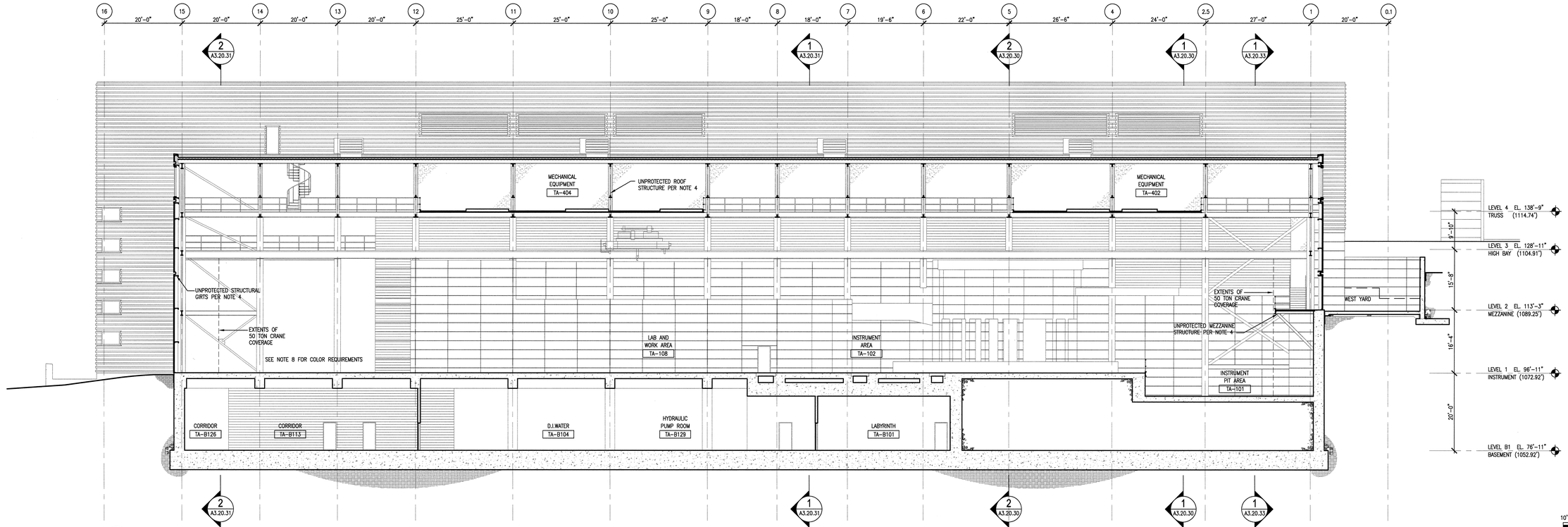


1 A1.01.30 LONGITUDINAL SECTION

SCALE 3/32" = 1'

ASC005-5A



2 A1.01.30 LONGITUDINAL SECTION

SCALE 3/32" = 1'

ASC008-5A

SHEET NOTES:

1. ALL COL. TO HAVE 2 HR. FIRE RATED RESISTANCE UP BOTTOM OF TRUSS EL. 137'- 1 1/2". COLUMN ABOVE THE BOTTOM OF TRUSS TP BE UNPROTECTED AS ALLOWED BY NEXUS FIRE ANALYSIS.

2. COL. TO HAVE 2 HR FIRE RATED RESISTANCE UP TO THE BOTTOM OF THE TRUSS EL. 137'- 1 1/2" AS REQUIRED BY NEXUS FIRE ANALYSIS. COLUMN ABOVE THE BOTTOM OF TRUSS TO BE 1 HOUR FIRE RATED AS REQUIRED BY TABLE 600 SBC.

3. RATED WALL LEGEND

   2 HR. RATED FIRE WALL AS REQUIRED FOR A SHAFT ENCLOSURE BY TABLE 705.1.2 SBC OR AS REQUIRED BY TARGET BUILDING PSAR

   1 HR. RATED FIRE WALL FOR PROTECT OF ADJACENT TRUSS AS REQUIRED BY NEXUS FIRE ANALYSIS OR AS COMMONLY REQUIRED BY MOST CODES

4. ROOF AND FLOOR JOIST, BEAMS, TRUSS, BRACES AND COLUMN ABOVE THE BOTTOM OF THE TRUSS @ EXTERIOR WALL UNPROTECTED AS ALLOWED BY NEXUS FIRE ANALYSIS.

5. (0) DENOTES SAFETY-CLASS COMPONENT (SCC) SUBSTITUTIONS FOR SCC COMPONENTS MAY NOT BE MADE WITHOUT THE PROPER AUTHORITY

6. ⊕ DENOTES SAFETY-SIGNIFICANT COMPONENT (SSC) SUBSTITUTIONS FOR SSC COMPONENTS MAY NOT BE MADE WITHOUT THE PROPER AUTHORITY

8. THESE COLOR REQUIREMENTS CALLED FOR IN NOTES 10 - 17 APPLY ONLY TO THE FINISHES THAT CAN BE SEEN FROM THE INSTRUMENT FLOOR.

9. ALL COLORS ARE TO BE CHOSEN BY THE ARCHITECT.

10. ALL EXPOSED STEEL TO BE PAINTED PER SPEC.

    A) PAINT ALL EXPOSED TRUSSES COLUMNS, BEAMS, BRACES, AND MISC. STEEL COLOR NO. 1

    B) PAINT ALL STEEL GUARDRAILS, HANDRAILS, RISERS, AND THE CHANNELS AND STRINGERS THAT SUPPORT THEM COLOR NO. 2

    C) PAINT ALL THE CRANE RAIL SUPPORT BEAMS COLOR NO. 3 TO MATCH THE COLOR OF THE CRANES WHICH WILL BE PAINTED A MANUFACTURES STANDARD COLOR CHOSEN BY THE ARCHITECTS.

11. PAINT ALL THE BOTTOM OF ALL EXPOSED ROOF DECK MEZZANINES, WALKWAYS, STAIR PANS, AND EQUIPMENT PLATFORMS WHITE (COLOR NO. 4)

12. MECHANICAL EQUIPMENT TO BE PAINTED A MANUFACTURES STANDARD COLOR CHOSEN BY THE ARCHITECT. ALL OTHER DUCTS CABLE TRAYS TO BE PAINTED TO MATCH THE EQUIPMENT COLOR. (COLOR NO. 5)

13. GYP. BD. COLUMN ENCLOSURES AND CONC. COLUMN ENCASEMENTS TO BE PAINTED TO MATCH THE EXPOSED STEEL COLOR NO. 1

14. GYP. BD. WALLS TO BE PAINTED COLOR NO 6

15. CONCRETE BLOCK WALLS TO BE PAINTED COLOR NO. 7

16. INTERIOR CAST-IN-PLACE CONCRETE TO MATCH EXTERIOR CAST-IN-PLACE ARCHITECTURAL CONC. WITH HORIZONTAL REVEALS 2'-4" ON CENTER @ A CONSTANT HEIGHT ON ADJOINING WALL AND VERTICAL REVEALS SPACED EVENLY BETWEEN COLUMNS PER INTERIOR ELEVATIONS AND DETAILS 8 AND 8A / A8.30.31. WALLS TO BE CAST WITH AGGREGATE MIX TO MATCH EXTERIOR AND ARE TO RECEIVE A MEDIUM SANDBLAST FINISH.

17. INTERIOR LINER PANEL TO RECEIVE A FACTORY APPLIED KYNAR 500 FINISH COLOR TO BE FROM STANDARD KYNAR COLOR PALETTE.

10' 0 10' 20'

SCALE: 3/32" = 1'-0"

108030700-A8E-8700-A076

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UT-BATTELLE

Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under
U.S. GOVERNMENT contract DE-AC05-00OR22725
UT-BATTELLE, LLC. + Oak Ridge, Tennessee

PROJECT NAME:

SPALLATION NEUTRON SOURCE

TARGET BUILDING
BUILDING SECTIONS

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	A	X	X	8	8700		1	1	S	U
	51		52	53	WBS					REV
	NC		NA		1.8.3.7		A3.20.32			0

RPE		
DSN	M. BRADLEY	10/26/01
DRW	A. GANDHI	10/26/01
CHK	E.DENSON	10/26/01
DEPT		
PE		11/13/01
PJ		11/14/01
REQ		
REV. 0	DATE 11-13-01	UTB 11/14/01

DRAWING APPROVALS

ROBERT L. BARNES REGISTERED ARCHITECT 102104 STATE OF TENNESSEE

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE CONTROL NUMBER	DESCRIPTION	DSN	CHK	DEPT
0				CERTIFIED FOR CONSTRUCTION - 10/26/01	MBB	ED	

REVISION OR ISSUE PURPOSE

DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE
	11/13/01		RPD	11/14/01				11/14/01	RLB	102104	11/13/01

REVISION APPROVALS

ST	CV	EC	EE	EM	IE	BWJ	–	MP	M	PD	SE	AR
REW	–	WRS	AK	WRS								

SQUAD CHECK

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NUMBER OF SECTION OR DETAIL

DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN

SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY

CHANGE CONTROL SYSTEM 3

ENGINEERING PROCEDURE SNS-ENG-0001

Date: 11/13/2001 Time: 13:42:57
Drawing: 8A0SC0ZC01
CN=C:\PROJFRAME\STG\1000\700_CAD\STANK_SA\FAS_PLOT\A3-20-32.DWG