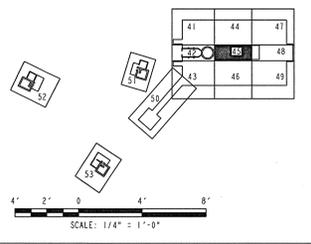
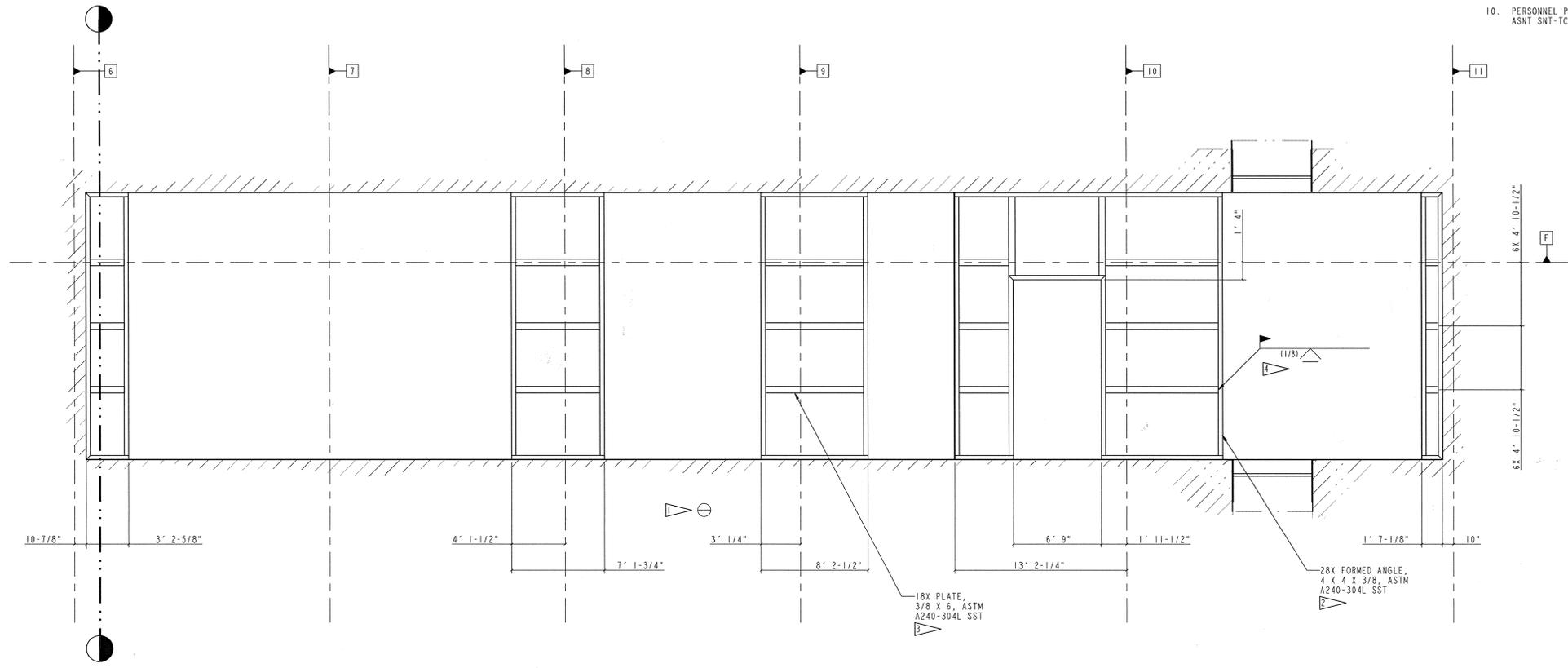


- NOTES:**
- ⊕ DENOTES SAFETY-SIGNIFICANT COMPONENT (SSC). SUBSTITUTIONS FOR SSC COMPONENTS MAY NOT BE MADE WITHOUT THE PROPER AUTHORITY. ALL EMBEDDED COMPONENTS ARE SAFETY SIGNIFICANT.
  - EMBED ANGLES USING 3/8" DIAMETER BY 4 1/8" LONG 316L NELSON HAL HEADED CONCRETE ANCHORS SPACED ON 12" CENTERS. ANCHORS SHALL BE INSTALLED 45 DEGREES FROM THE LEG OF THE ANGLE.
  - EMBED PLATES USING A SINGLE ROW OF 3/8" DIAMETER BY 4 1/8" LONG 316L NELSON HAL HEADED CONCRETE ANCHORS SPACED ON 12" CENTERS.
  - WELD ALL EMBED JOINTS AS SHOWN.
  - CONCRETE DIMENSIONS ARE SHOWN ON STRUCTURAL "S" SERIES DRAWINGS. THE EMBEDMENT LOCATION DRAWINGS ARE INTENDED TO INDICATE EMBEDMENTS FOR APPROVAL.
  - PRIOR TO EMBEDMENT FABRICATION, THE CONSTRUCTION CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL EMBEDMENTS NOT DETAILED ON JS SERIES DRAWINGS.
  - THE CONCRETE EMBEDMENTS ARE SUBJECT TO THE OFF-SITE FABRICATION REQUIREMENTS SET FORTH IN SECTION 15085. ON-SITE WELDING IS SUBJECT TO THE REQUIREMENTS SET FORTH IN SECTION 18100A. ON-SITE CONSTRUCTION SHALL BE SUBJECT TO THE REQUIREMENTS SET FORTH IN SECTION 05121.
  - THE EMBEDDED WELDMENTS WILL ULTIMATELY BECOME PART OF A SEALED HOT CELL LINER. THE LINER SHALL BE SEALED AND CONTINUOUS WITHIN THE HOT CELL STRUCTURE.
  - ALL FIELDS WELDS SHALL BE VISUALLY INSPECTED AND FREE FROM DEFECTS IN ACCORDANCE WITH AWS D1.6. ALL FIELD WELDS SHALL BE EXAMINED USING NON-CHLORIDE CONTAINING DYE PENETRANT IN ACCORDANCE WITH ASME SECTION VIII, DIVISION 1, APPENDIX 8.
  - PERSONNEL PERFORMING NON-DESTRUCTIVE EXAMINATION SHALL BE CERTIFIED PER ASNT SNT-TC-1A.



NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF, ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES, AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

**P** THIS DRAWING PRODUCED ON PRO-ENGINEER  
 THIS DOCUMENT CONTROLLED BY CHANGE CONTROL SYSTEM  
 ENGINEERING PROCEDURE SNS-ENG-0001

REV	DATE	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR
0		CERTIFIED FOR CONSTRUCTION - 10/26/01																								

RPE

DSN: J1  
 CHK: J1  
 DEPT: J1  
 PE: J1  
 P.J. R.A. Dean

REV. 0 DATE 10/25/01

UTB: J1

108030700-J8E-8700-A098

**MERRICK**  
 Engineers & Architects

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 Oak Ridge National Laboratory, managed by UT-Battelle, LLC, for the U.S. Dept. of Energy under contract DE-AC05-80OR22725

PROJECT NAME:  
 SPALLATION NEUTRON SOURCE  
 TARGET BUILDING  
 EMBEDMENT LOC. CEILING PLAN  
 INSTRUMENT LEVEL, SECTOR 45

1	48	49	50	PLANT	BLDG	FL	SH	OF	TYPE	CLASS
3	J	X	X	8	8700	I	I	P.	U	
51	52	53	WBS							
NC	NA	IN	1.8.3.7	J9.30.30						0