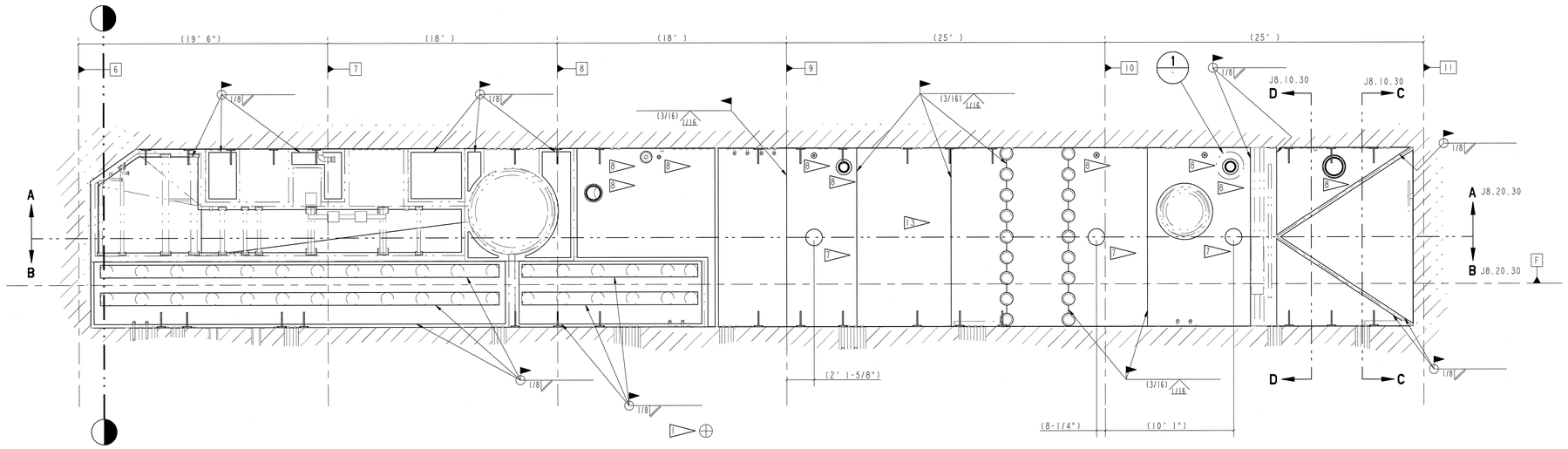
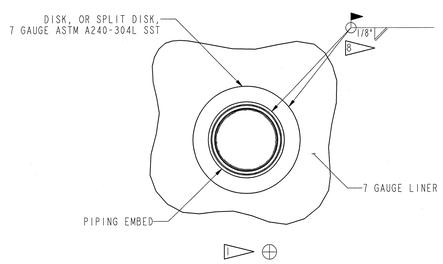
NEXT ASS'Y: FINAL ASS'Y:

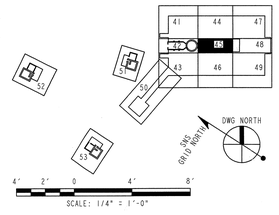
## NOTES:

1. ⊕ DENOTES SAFETY-SIGNIFICANT COMPONENT (SSC). SUBSTITUTIONS FOR SSC COMPONENTS MAY NOT BE MADE WITHOUT THE PROPER AUTHORITY. ALL LINER PANELS ARE SAFETY SIGNIFICANT COMPONENTS.
2. OFF-SITE FABRICATION OF LINER PANELS SHOWN ON J8 SERIES DRAWINGS ARE SUBJECT TO THE REQUIREMENTS SET FORTH IN SECTION 15065.
3. THE LINER PANELS AND EMBEDS SHALL FORM A CONTINUOUS, WELDED BARRIER ON THE INTERIOR OF THE SHIELDED STRUCTURE.
4. THE LINER PANELS SHOWN IN THIS VIEW (FLOOR) ARE 7 GAUGE SHEET, ASTM A240-304L SST. THE BALANCE OF THE CELL IS LINED WITH 11 GUAGE SHEET.
5. THE WELD SEAMS INDICATED LAND ON 3/8" THICK STEEL EMBEDS. THE CONTRACTOR SHALL USE CARE WHEN EXECUTING FIELD WELDS TO ENSURE THAT THE CONCRETE DOES NOT CRACK DUE TO EXCESSIVE HEAT INPUT. LINER PANELS NOT REQUIRING THE USE OF GROOVE WELDS SHALL OVERLAP EMBEDS BY 1 1/4" PLUS OR MINUS 1/2". NOTE THAT SEVERAL LINER PANELS IN THE CENTER OF THE CELL REQUIRE GROOVE WELDS.
6. FIELD WELDING IS SUBJECT TO THE REQUIREMENTS SET FORTH IN SECTION 18100A.
7. THREE POCKETS HAVE BEEN BLOCKED-OUT IN THE CONCRETE TO ACCOMODATE THE SUMPS NOTED.
8. INSTALL A DISK OR SPLIT DISK OVER EACH PIPING PENETRATION. WELD THE DISK AS SHOWN IN THE DETAIL VIEW.
9. ALL WELDS ON THE FLOOR OF THE HOT CELL SHALL BE GROUND AND POLISHED TO A NO. 4 FINISH (SEE ASTM A480 FOR SURFACE FINISH DEFINITION). ALL FIELD WELDS SHALL BE VISUALLY INSPECTED AND FREE FROM DEFECTS IN ACCORDANCE WITH AWS D1.6. ALL FIELD WELDS SHALL BE EXAMINED USING VACUUM BOX TESTING WHERE POSSIBLE. ALL OTHER WELDS SHALL BE EXAMINED USING NON-CHLORIDE CONTAINING DYE PENETRANT IN ACCORDANCE WITH ASME SECTION VIII, DIVISION 1, APPENDIX 8.
10. PERSONNEL PERFORMING NON-DESTRUCTIVE EXAMINATION SHALL BE CERTIFIED PER ASNT SNT-TC-1A.
11. COVER THE FLOOR LINER WITH 1" PLYWOOD AFTER INSTALLATION AND INSPECTION.
12. LINER INSTALLATION SHALL BE SUBJECT TO THE REQUIREMENTS SET FORTH IN SECTION 05121.
13. THE FLOOR OF THE HOT CELL SHALL NOT BE EXCLUDED FROM VACUUM BOX TESTING.




1 DETAIL
SCALE: 1/8"

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PROJECT NAME:
SPALLATION NEUTRON SOURCE
TARGET BUILDING
LINER PLAN
INSTUMENT LEVEL, SECTOR 45

| 1 | 48 | 49 | 50 | PLANT | BLDG | FL | SH. | OF | TYPE | CLASS |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | J | X | X | 8 | 8700 | | 1 | 1 | P | U |
| 51 | 52 | 53 | WBS | | | | | | | REV |
| NC | NA | IN | 1.8.3.7 | | J8.01.45 | | | | | 0 |

| REV | CHANGE TYPE | CHANGE SYSTEM | CHANGE REQUEST | DESCRIPTION | DSN | CHK | DEPT | DATE | PE | DATE | PJ | 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 | NHL | MJK | | | RPD | 11/14/01 | RPD | 11/14/01 | | | MJF | 11/14/01 | MJK | 107067 | 11/13/01 | PSF | | | | | | TBD | | | |

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE
MATTHEW JAMES KNUTSEN
REGISTERED ENGINEER
CIVIL
NO. 107067
STATE OF TENNESSEE
REV. 0 DATE 11-13-01

| | | |
|---|---|---|
| DSN | M. Lum | 11-12-01 |
| DRW | M. Lum | 11-12-01 |
| CHK | MJK | 11-14-01 |
| DEPT | | |
| PE | R.D. Darden | 11/13/01 |
| PJ | R.A. Dixon | 11/14/01 |
| REQ | | |
| UTB | M. Lum | 11/14/01 |

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