

- GENERAL NOTES.
1. MEDIUM S=STEAM W=WATER M=MIXED A=AIR
2. OPERATING MODE C=CONTINUOUS I=INTERMITTENT
3. CORROSION ALLOWANCE IS FOR PROCESS PIPE, GUARD PIPE FLUED HEAD
4. MATERIAL SA-106 GRADE B CAN BE SUBSTITUTED BY SA-155-KCF-70
5. STRESSES IN THE FLUED HEAD CONNECTIONS SHALL BE BASED ON 0.9 SY OF THE PROCESS PIPE AT DESIGN PRESS. & TEMP.
6. JET DEFLECTORS WILL BE CUT IN HALF FOR INSTALLATION AND WILL REQUIRE A FULL PENETRATION WELD (UNLESS NOTED AS ONE PIECE IN SCHED) AND SHALL BE EXAMINED AS A CLASS II COMPONENT.
7. REPLACEMENT JET DEFLECTOR FOR PENETRATIONS X-20, X-21 & X-22 FABRICATED PER ASME III SUBSECTION NC. MATERIAL AND DIMENSIONS PER TUBE TURNS ASS'Y DRAWINGS, D.E.C. FILE NOS R2-3 & R2-4
8. PENETRATIONS ARE QA I, SEISMIC I, ASME III CLASS II UNLESS NOTED.
9. FLUED HEAD IS ASME III, CLASS II (OR CLASS I FOR X-41 & X-42). FLUED HEAD WELDS TO PROCESS PIPE ARE SAME ASME CODE CLASS AS PROCESS PIPE. FLUED HEAD WELDS TO DRY WELL NOZZLE ARE ASME III, CLASS II.
10. PENETRATION NOZZLES X-4, X-15, X-25, X-26, X-39A & X-44 AND X-100 DO NOT CONTAIN PENETRATION ASSEMBLIES AND ARE SHOWN FOR WELD IDENTIFICATION AND REFERENCE ONLY (AS APPLICABLE).
11. PENETRATION NOZZLES X-31Ba, X-44, X-51 ARE I & C PENETRATIONS ISSUED TO MECHANICAL SEE I-2837-11.

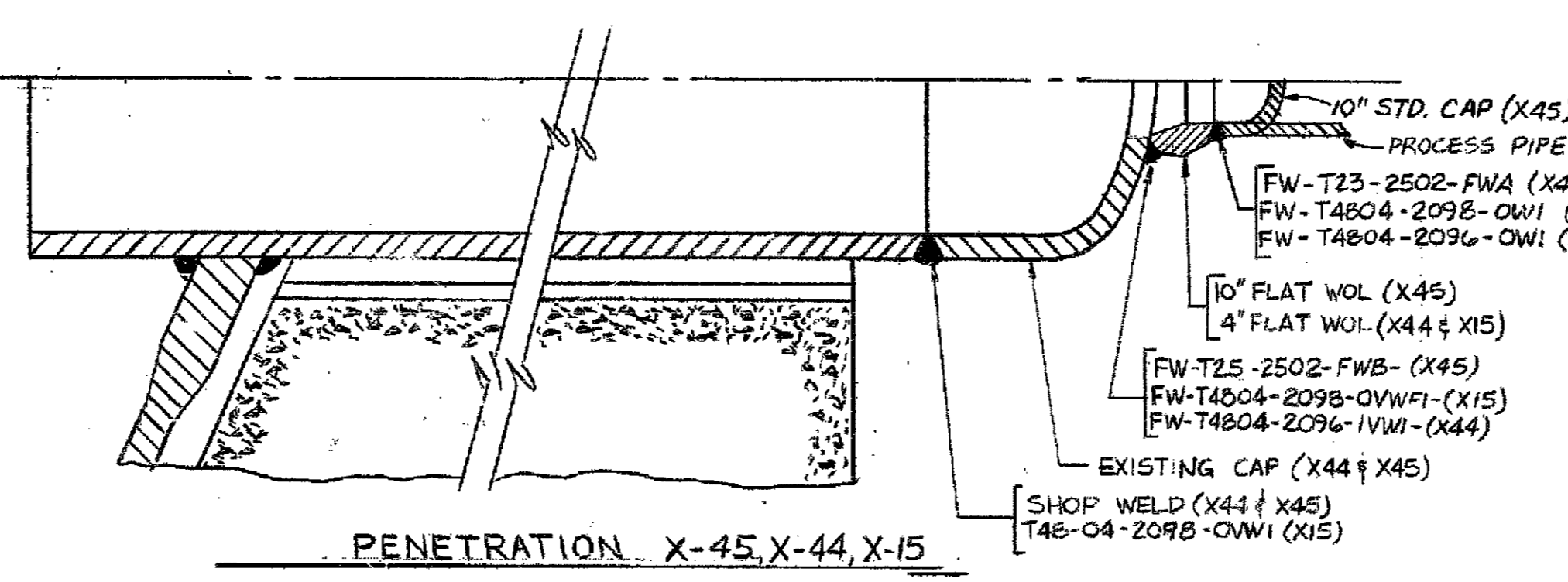
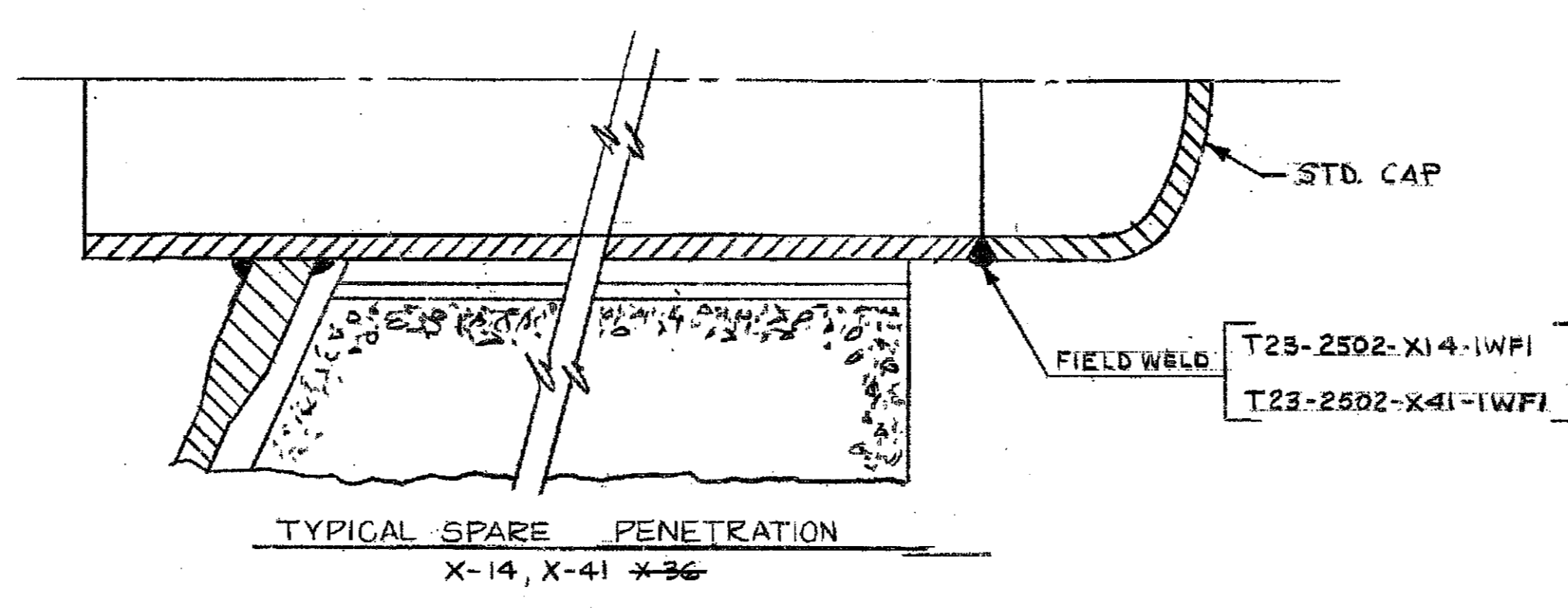


Table with columns: GENERAL NOTES, PENETRATION ASSEMBLIES TYPE II, ITEM, DIM, NO., X-18, X-19, X-20, X-21, X-22, X-23, X-24, X-34A, X-34B, X-36, X-41, X-42, X-15, X-44. Rows include: REF. DRAWING NO., PROCESS LINE, WALL THKNS., DESIGN PRESS., DESIGN TEMP., FLOW DIRECT., MATERIAL, ASME CODE, CLASS, TOTAL LGTH DIM'L, FLUED HEAD, WALL THKNS., MATERIAL, DIM. 'C', DIM. 'D', DIM. 'E', FORCES FX, FORCES FY, FORCES FZ, MOMENTS MX, MOMENTS MY, MOMENTS MZ, OPERATING MODE, CORROSION ALLOW., JET DEFLECTOR RINGS, DRY WELL NOZZLE, REF. DRAWING NO., DIM. 'A', FIELD WELD, FIELD WELD, FIELD WELD, FIELD WELD.

TABLE A. APPLICABLE TRIM SKETCH INFORMATION. A table listing various penetration and trim items. Columns: PENETRATION, TRIM DRAWG, ED. NO. & DATE. Items include X-6, X-7A & B, X-7C & D, X-8, X-9A & B, X-10, 11, X-12, X-13A, X-13B, X-14, X-15, X-16A & B, X-17, X-18, 19, X-20, 21, X-22, X-23, 24, X-28A, B, C & D, X-34A & B, X-36, X-41, X-42, X-43, X-44, 45.

NUCLEAR SAFETY RELATED. THIS IS AN AUTOCAD PRODUCED DRAWING. CHANGES OR REVISIONS MUST BE BROUGHT TO THE ATTENTION OF THE PLANT ENGINEERING DESIGN GROUP TO ENSURE THAT CONFIGURATION CONTROL IS MAINTAINED.

Form with fields: INC. CODE, TITLE, DETAIL, PREPARED BY, DATE, CHECKED BY, DATE, APPROVED BY, DATE, OTHER APPROVALS, DATE, DTD'S INCORPORATED, A PORTION OF THIS DRAWING IS AFFECTED BY THE FOLLOWING, OTHER REVISIONS-CORRECTED DWG NOS FOR PENET ASSEMBLY NOS, X-18, 19, 20, 23, 24, 34A, 34B IN 2N H-2-4 AND REVISED DWG NOS TO ARMS FABRICATION. THESE ADMIN CHANGES PER PEP'S 0019 FALL WITHIN THE SCOPE OF MES-09, STEP 3.1.2 (U/NOTE), PREPARED BY: D. STEFFE, DATE: 3-29-05, APPROVED BY: A. J. BANEK, DATE: 4/10/05, AVERAGE CARD TITLE: DES INFO SHT DW PENET TYPE 2, PLANT IDENTIFICATION SYSTEM NUMBER: T2301, DOCUMENT TYPE CODE: DDDMEC, NUC OPS FILE NO: 1001, DATE ISSUED TO: 4-2-05, DRAWING NUMBER: 6M721-2502, REVISION: K.