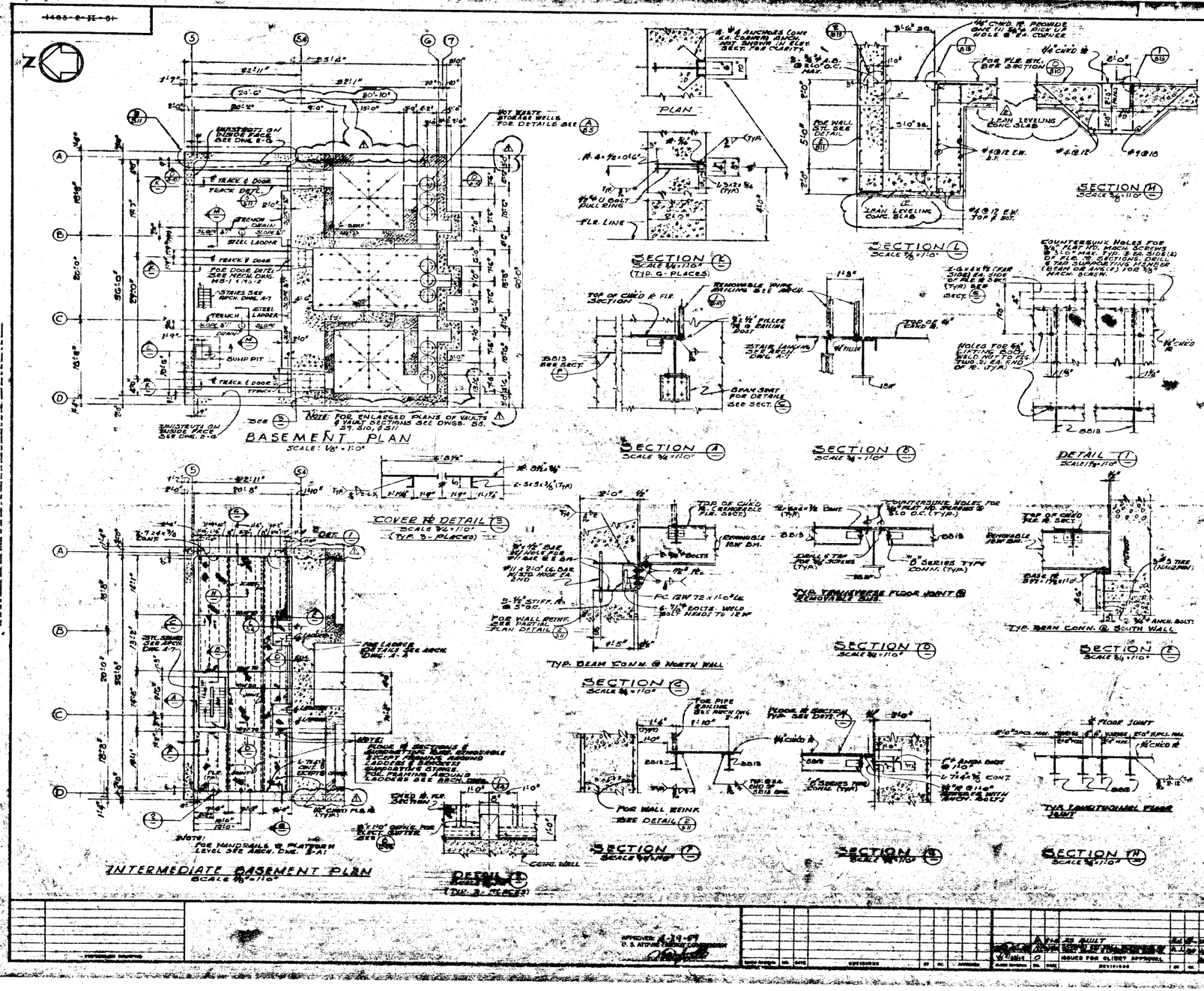

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH PROJECT SPECIFICATIONS.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS INCLUDING EQUIPMENT CONNECTIONS, PREFABRICATED BUILDINGS, AND ANCHOR BOLTS IN FIELD FROM EQUIPMENT MANUFACTURES' CERTIFIED DRAWING, WHICH HAVE BEEN APPROVED BY THE CONTRACTING OFFICER.
3. REINFORCED CONCRETE:
   a. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE IN 28 DAYS:
      1. PREFABRICATED BUILDING FOOTINGS & DRILLED PIERS - 3500 PSI
      2. ALL OTHER STRUCTURAL CONCRETE - 3000 PSI
      3. SLABS ON GRADE (OTHER THAN BASEMENT SLABS) - 2500 PSI
   b. THE REINFORCING STEEL SHALL BE DEFORMED INTERMEDIATE GRADE BILLET STEEL, (A.S.T.M A-15) DEFORMED IN ACCORDANCE WITH A.S.T.M. A615. WELDED WIRE MESH SHALL BE IN ACCORDANCE WITH ASTM A185
   c. MINIMUM CLEAR CONCRETE COVERAGE FOR REINFORCING:-
      GENERAL - - - - - - - 1 BAR DIA. OR AS NOTED (3/4" MIN.)
      SLABS - - - - - - - - 3/4"
      BEAMS & GIRDERS - - 1 1/2" OVER STIRRUPS
      FORMED SURFACES EXPOSED TO GROUND OR WEATHER - 2"
      UNFORMED SURFACES EXPOSED TO GROUND - - - - 3"
   d. REINFORCING SPLICE DATA: BAR REINFORCING BARS MIN. 30 DIA. BUT NOT LESS THAN 18" UNLESS OTHERWISE NOTED. SPLICES MAY BE TIED TOGETHER. MINIMUM CLEAR DISTANCE BETWEEN PARALLEL BAR SPLICES OR BARS TO BE 1 BAR DIA. 1 1/3 OR 1 1/3 TIMES MAX. SIZE COARSE AGGREGATE, WHICHEVER IS GREATER.
   e. DOWELS TO BE SAME SIZE AND SPACING AS WALL REINFORCING AND TO BE SPLICED AS NOTED ABOVE.
   f. ALL REINFORCING STEEL, ANCHOR BOLTS, AND INSERTS TO BE LOCATED IN POSITION BEFORE PLACING CONCRETE. CHECK ALL OTHER DRAWINGS, ELECTRICAL, MECHANICAL ETC. FOR DUCTS, OPENINGS, ETC. NOT OTHERWISE DETAILED.
   g. WELDED WIRE FABRIC REINFORCING IN SLABS ON GRADE SHALL BE LAPPED 6" AT SIDES AND ENDS. 6x6 - 6/6 E.W.W. FABRIC SHALL BE USED UNLESS OTHERWISE NOTED.
   h. LOCATION OF CONSTRUCTION JOINTS SHALL BE APPROVED BY THE CONTRACTING OFFICER AND SHALL COMPLY WITH SPECS.
   i. CHAMFER ALL EXPOSED EDGES OF CONCRETE 3/4" OR AS NOTED.
   j. FOR EXTENT & LOCATION OF WATER PROOF MEMBRANES SEE ARCH. DWG.
4. STRUCTURAL STEEL:
   a. ALL STRUCTURAL STL. SHALL CONFORM TO A.S.T.M. A-7 AS AMENDED TO DATE.
   b. STL. PLATE IN EXHAUST STACK SHALL CONFORM TO A.S.T.M. A-7
   c. FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST A.I.S.C. SPECS.
   d. ALL STL. CONNECTIONS SHALL BE RIVETED WITH A MILL OF 3/4" RIVETS OR 2-3/4" HIGH STRENGTH BOLTS EXCEPT IF OTHERWISE NOTED.
   e. STL. FABRICATORS SHALL PROVIDE AN ANCHOR BOLT SETTING PLAN FOR ALL BOLTS EMBEDDED IN CONCRETE.
   f. TEMPORARY BRACING SHALL BE PROVIDED BY CONTRACTOR AS REQUIRED FOR ERECTION LOADS APPLIED TO STL. FRAMING.
   g. ALL FILLET WELDS SHALL BE 1/4" UNLESS OTHERWISE DETAILED.
   h. FABRICATORS SHALL PROVIDE HOLES AS REQUIRED FOR CONNECTIONS OF DOORS, METAL SASH, AND ROOF STRUCTURES ETC.
   i. ALL CONNECTIONS NOT OTHERWISE DETAILED SHALL BE STD. "D" SERIES CONN. HIGH STRENGTH BOLTS MAY BE SUBSTITUTED FOR SHOP, SIZE FOR SIZE IN SHOP OR FIELD CONNECTIONS. WELDING EQUIVALENT TO STD. "D" CONN. MAY BE USED.
   j. ALL WELDING SHALL BE DONE BY SHIELDED ARC PROCESS AND SHALL BE IN STRICT COMPLIANCE WITH SPECIFICATIONS.
5. FOUNDATIONS AND PAVEMENT:
   a. ISOLATION TYPE EQUIPMENT PADS FOR RECIPROCATING OR CENTRIFUGAL MACHINERY TO BE SIZED FOR SUFFICIENT DEPTH SO THAT THE MASS OF THE PAD WILL BE EQUAL TO THREE (3) TIMES TOTAL WEIGHT OF THE MACHINERY, OR AS RECOMMENDED BY MANUFACTURER.
   b. REF. MANUFACTURES' DRAWGS. FOR WEIGHTS.

HALF SIZE PRINT

SNAP-II FACILITY, SANTA SUSANA, CALIFORNIA
PHASE II
U.S. ATOMIC ENERGY COMMISSION
CHICAGO OPERATIONS OFFICE

ENVIRONMENTAL TEST BUILDING - BASEMENT, INTERMEDIATE BASEMENT PLANS AND GENERAL NOTES
STRUCTURAL

APPROVED 4-29-57
U.S. ATOMIC ENERGY COMMISSION

AS BUILT

ISSUED FOR CLIENT APPROVAL

REVISIONS

NEW