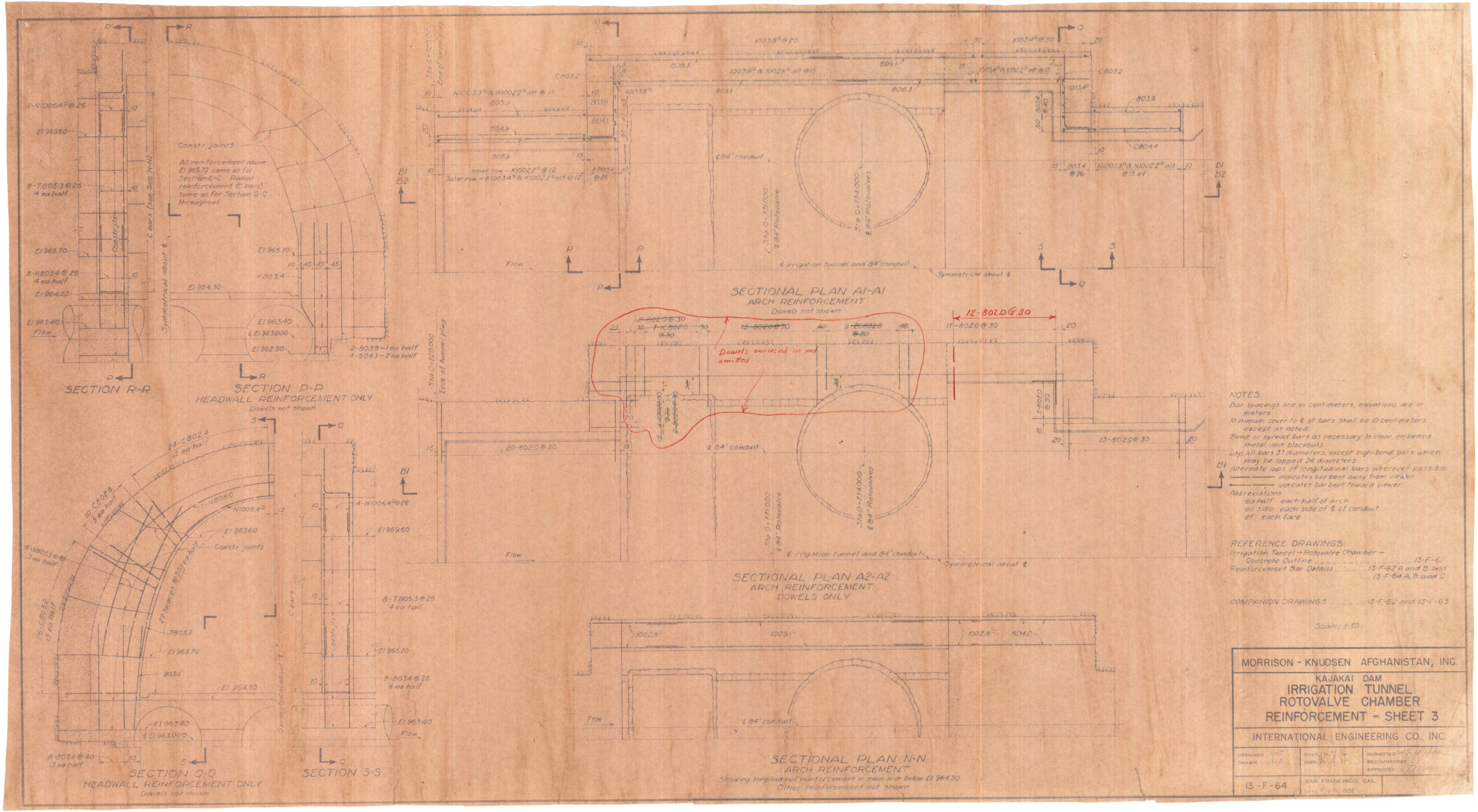
SECTION R-R
SECTION P-P
HEADWALL REINFORCEMENT ONLY
Dowels not shown
SECTION Q-Q
HEADWALL REINFORCEMENT ONLY
Dowels not shown
SECTION S-S
SECTIONAL PLAN A1-A1
ARCH REINFORCEMENT
Dowels not shown
SECTIONAL PLAN A2-A2
ARCH REINFORCEMENT
DOWELS ONLY
Dowels encircled in red omitted
SECTIONAL PLAN N-N
ARCH REINFORCEMENT
Showing longitudinal reinforcement in main arch below El 964.30
Other reinforcement not shown
Flow
℄ irrigation tunnel and 84" conduit
Symmetrical about ℄
Constr. joints
All reinforcement above El 965.70 same as for Section Q-Q. Radial reinforcement (C bars) same as for Section Q-Q throughout.
Inner row – K1002.2° @ 12
Outer row – K1003.4° & K1002.2° alt @ 12
12-802.D @ 30
NOTES:
Bar spacings are in centimeters, elevations are in meters.
Minimum cover to ℄ of bars shall be 10 centimeters, except as noted.
Bend or spread bars as necessary to clear embedded metal and blockouts.
Lap all bars 37 diameters, except high-bond bars which may be lapped 24 diameters.
Alternate laps of longitudinal bars wherever possible.
indicates bar bent away from viewer
indicates bar bent toward viewer
Abbreviations:
ea half: each half of arch
ea side: each side of ℄ of conduit
ef: each face
REFERENCE DRAWINGS:
Irrigation Tunnel – Rotovalve Chamber – Concrete Outline 13-F-61
Reinforcement Bar Details ..... 13-F-62 A and B and 13-F-64 A, B and C
COMPANION DRAWINGS ..... 13-F-62 and 13-F-63
Scale: 1:50
MORRISON - KNUDSEN AFGHANISTAN, INC.
KAJAKAI DAM
IRRIGATION TUNNEL
ROTOVALVE CHAMBER
REINFORCEMENT - SHEET 3
INTERNATIONAL ENGINEERING CO., INC.
DESIGNED
DRAWN
CHKD.
INSP.
SUBMITTED
RECOMMENDED
APPROVED
13-F-64
SAN FRANCISCO, CAL.
DATE May 10, 1952