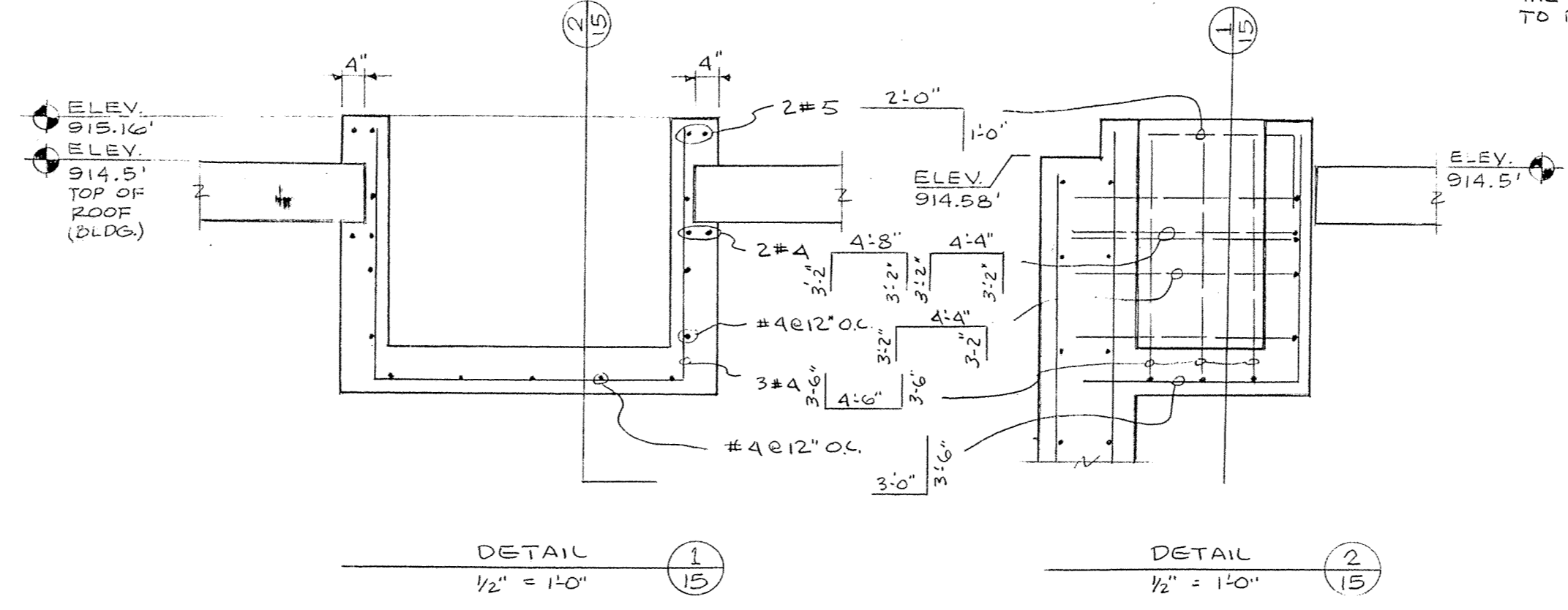


SECTION
1/4" = 1'-0"

NOTE:
THIS DIGESTER WAS DESIGNED, IN ADDITION TO THE WATER PRESSURE, FOR A HORIZONTAL FORCE OF 400# EITHER INWARD OR OUTWARD PER BOLT AND A VERTICAL UPLIFT FORCE OF 501# PER BOLT. THE WEIGHT OF THE FIBERGLASS COVER 1000#. IF THESE FORCES ARE DIFFERENT THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO THE INSTALLATION OF THE COVER SO THE WALL CAN BE CHECKED FOR NEW FORCES.

NOTE:
THE EXISTING DIGESTER TANK WALL REINFORCEMENT WAS CHECKED FOR 20'-0" HIGH WATER COLUMN THE WALL AND 4500# UPLIFT FORCE @ EACH GUIDE RAIL STOP FOR THE NEW ROOF. THE NEW COLUMN WAS DESIGNED TO CARRY A VERTICAL DOWNWARD LOAD OF 4500# FROM THE DIGESTER COVER. IF THERE MIGHT BE ANY OTHER FORCES ACTING ON THE WALL DUE TO THE NEW ROOF, THE STRUCTURAL ENGINEER MUST BE NOTIFIED PRIOR TO ROOF INSTALLATION.



DETAIL 1
1/2" = 1'-0"

DETAIL 2
1/2" = 1'-0"

NO.	DATE	BY	REVISIONS
B	5/14/77	PWP	REVISED DEPTH OF OVERFLOW BOX TO 9/2.2
A	11/30/76	PWP	DELETION OF BRICK VENEER BRAND NAME

DESIGNED P.P.	CHECKED
DRAWN D.C.	APPROVED
DATE	COMM.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Shy W. Dong
DATE 8-29-75 REG. NO. 7405



WASTE WATER TREATMENT FACILITIES
FOR
ELK RIVER, MINNESOTA

SCALE AS NOTED
BOOK PAGE
FILE NO. 2603

STRUCTURAL SECTION
DIGESTER & DIGESTER
CONTROL BUILDING

SHEET 15	OF 31
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