

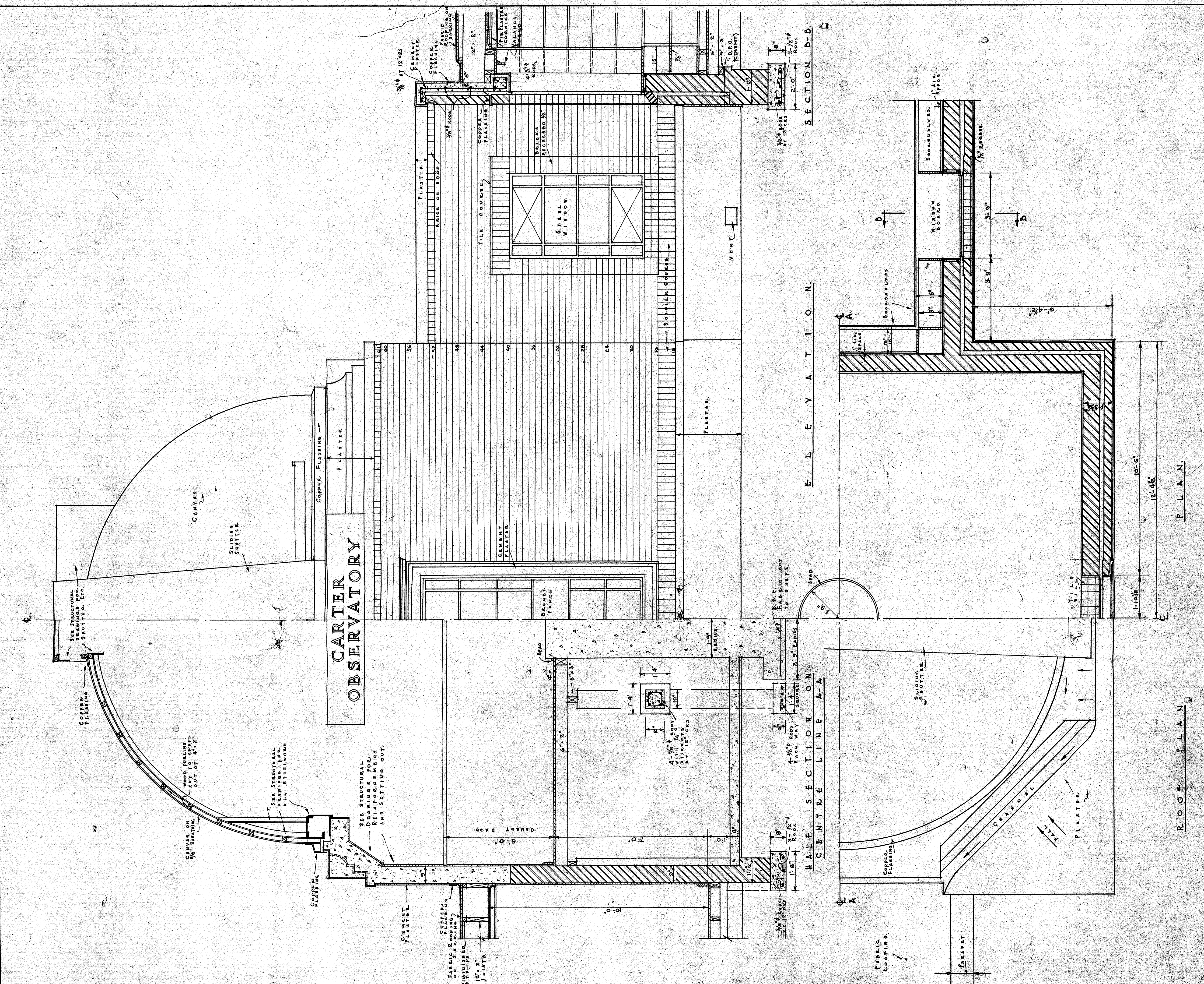
GRAY YOUNG, MORTON & YOUNG,  
REG'D ARCHITECTS,  
PRUDENTIAL BLDG, WELLINGTON.

OBSERVATORY, BOTANICAL GARDENS, WELLINGTON,  
FOR THE CARTER OBSERVATORY BOARD.

INDICATIONS  
BRICK : [hatched pattern]  
CONCRETE : [stippled pattern]  
WOOD : [diagonal lines]

SCALE: SECTIONS: 1/8" = 1'-0"  
DETAILS: 1/2" = 1'-0"  
DATE: MAY 1940  
DRWG. NO. 2





GRAY YOUNG, MORTON & YOUNG,  
 REG'D ARCHITECTS,  
 PRUDENTIAL BLDG, WELLINGTON.

OBSERVATORY, BOTANICAL GARDENS, WELLINGTON,  
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INDICATIONS:  
 BRICK: [hatched pattern]  
 CONCRETE: [cross-hatched pattern]  
 WOOD: [diagonal lines pattern]

SCALE: 1/2" = 1'-0"  
 DATE:  
 DRWG NO. 3.

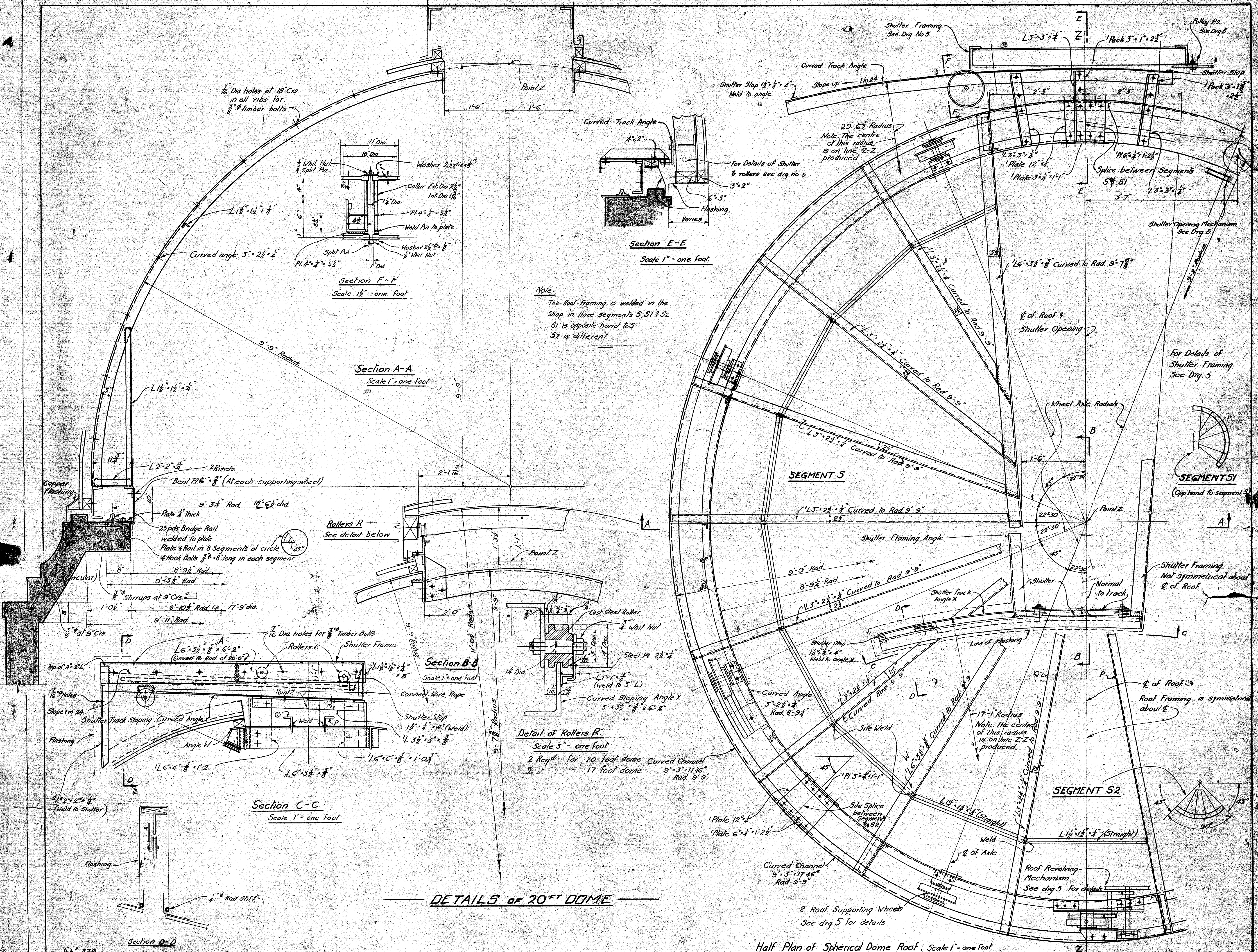
ROOF PLAN

ELEVATORY SECTION

HALF CENTRE SECTION A-A

SECTION B-B





Note:  
The Roof Framing is welded in the Shop in three segments S, S1 & S2  
S1 is opposite hand to S  
S2 is different

Detail of Rollers R:  
Scale 3" = one foot  
2 Req<sup>d</sup> for 20 foot dome Curved Channel  
2 Req<sup>d</sup> for 17 foot dome

DETAILS OF 20 FT DOME

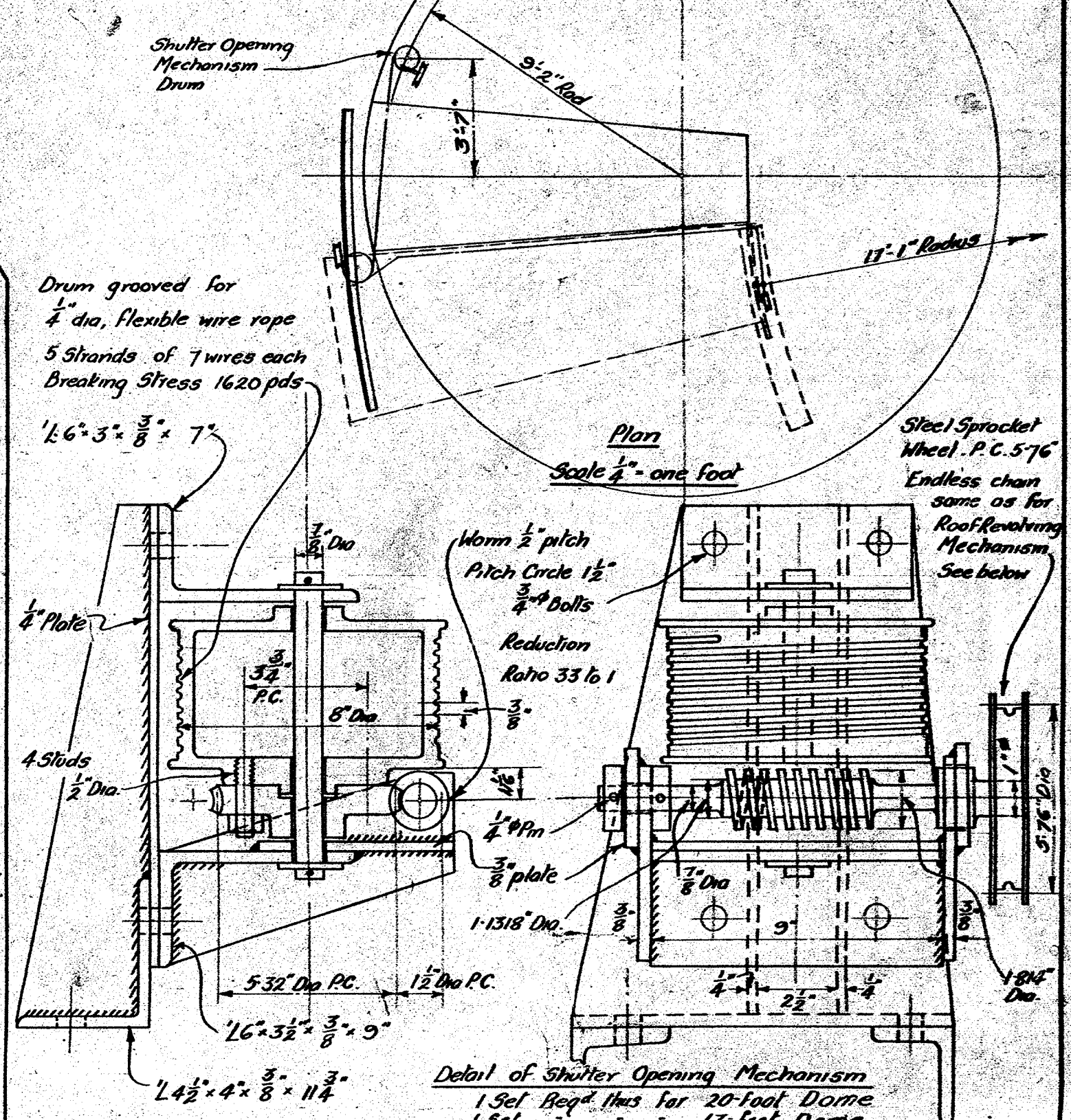
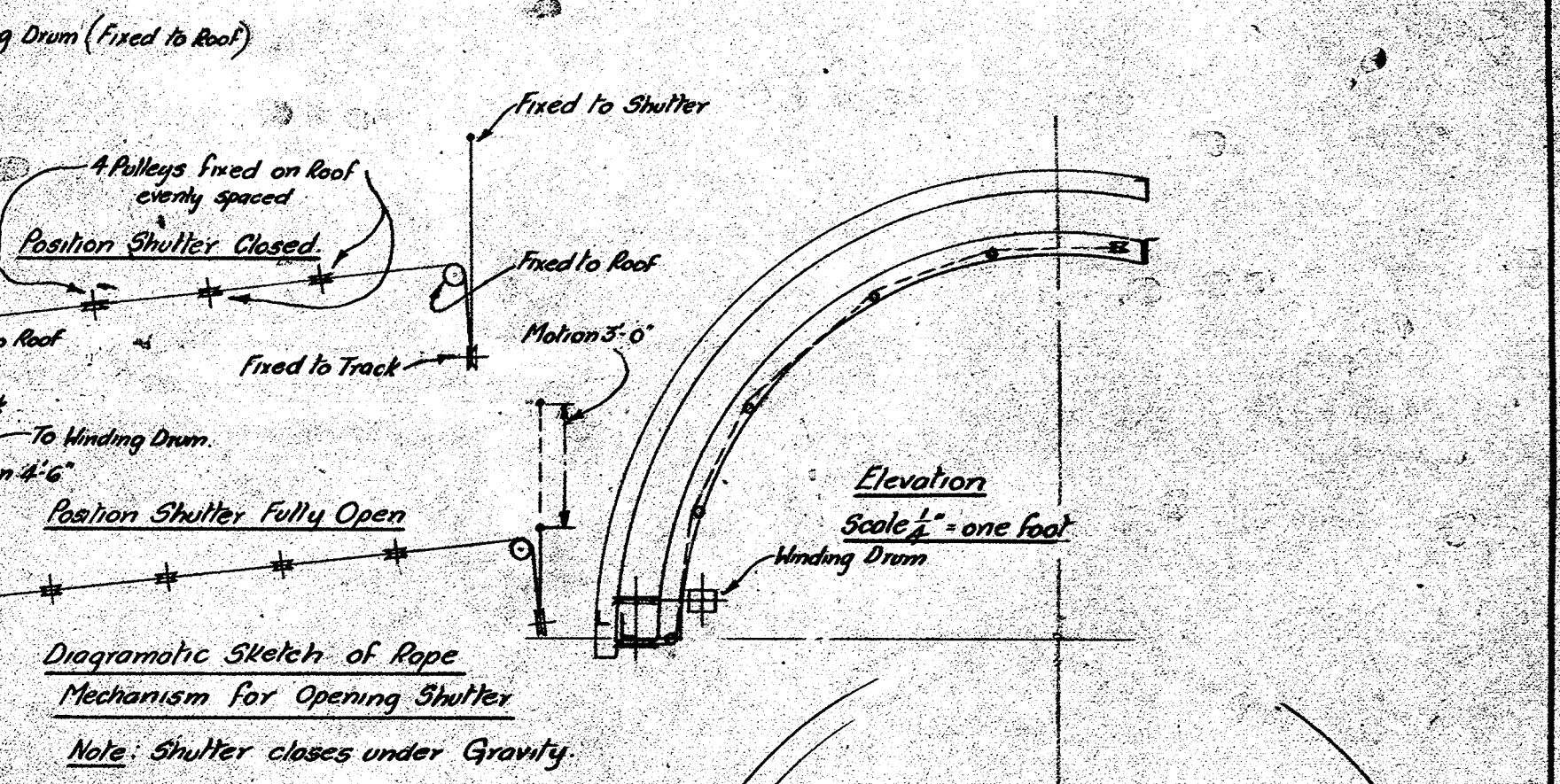
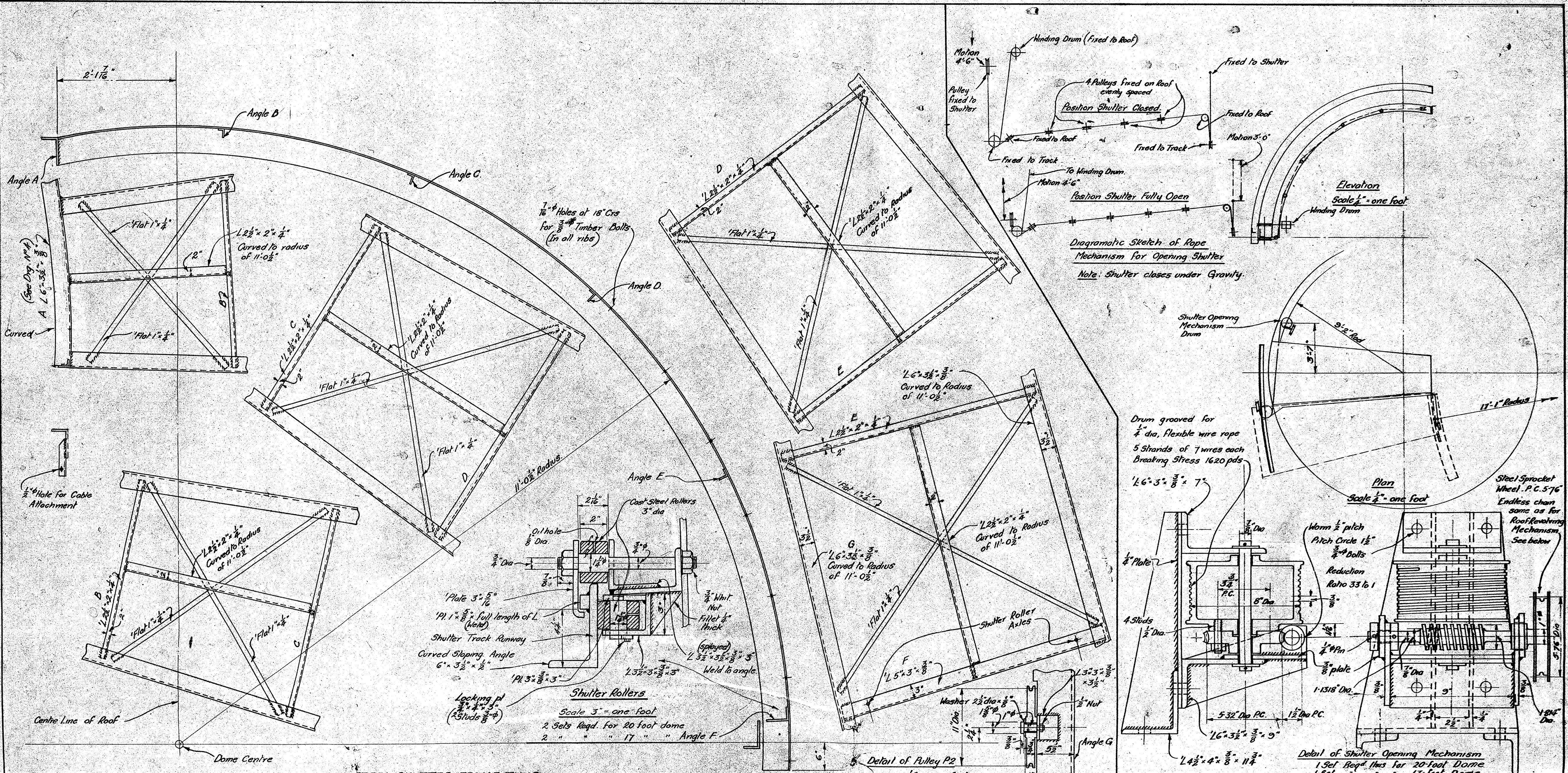
Half Plan of Spherical Dome Roof: Scale 1" = one foot

Job # 339  
GRAY YOUNG, MORTON & YOUNG,  
REG'D ARCHITECTS,  
PRUDENTIAL BLDG, WELLINGTON

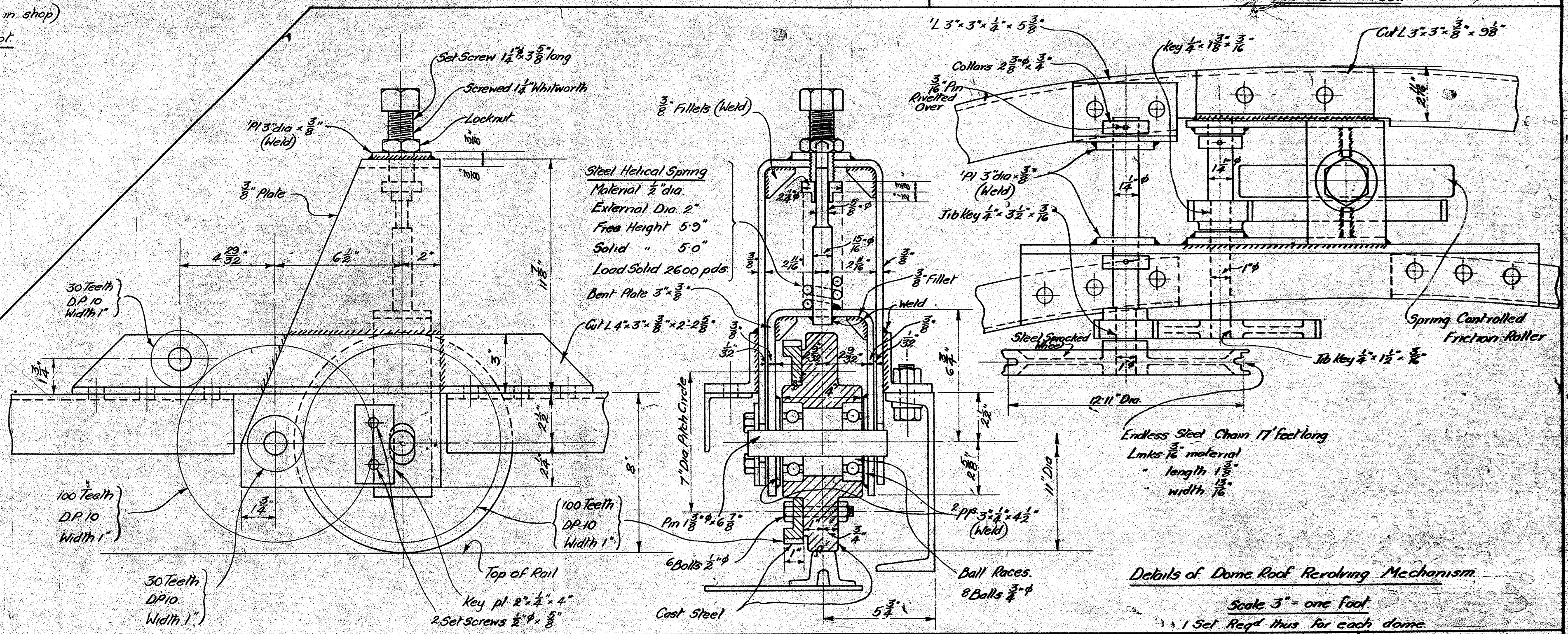
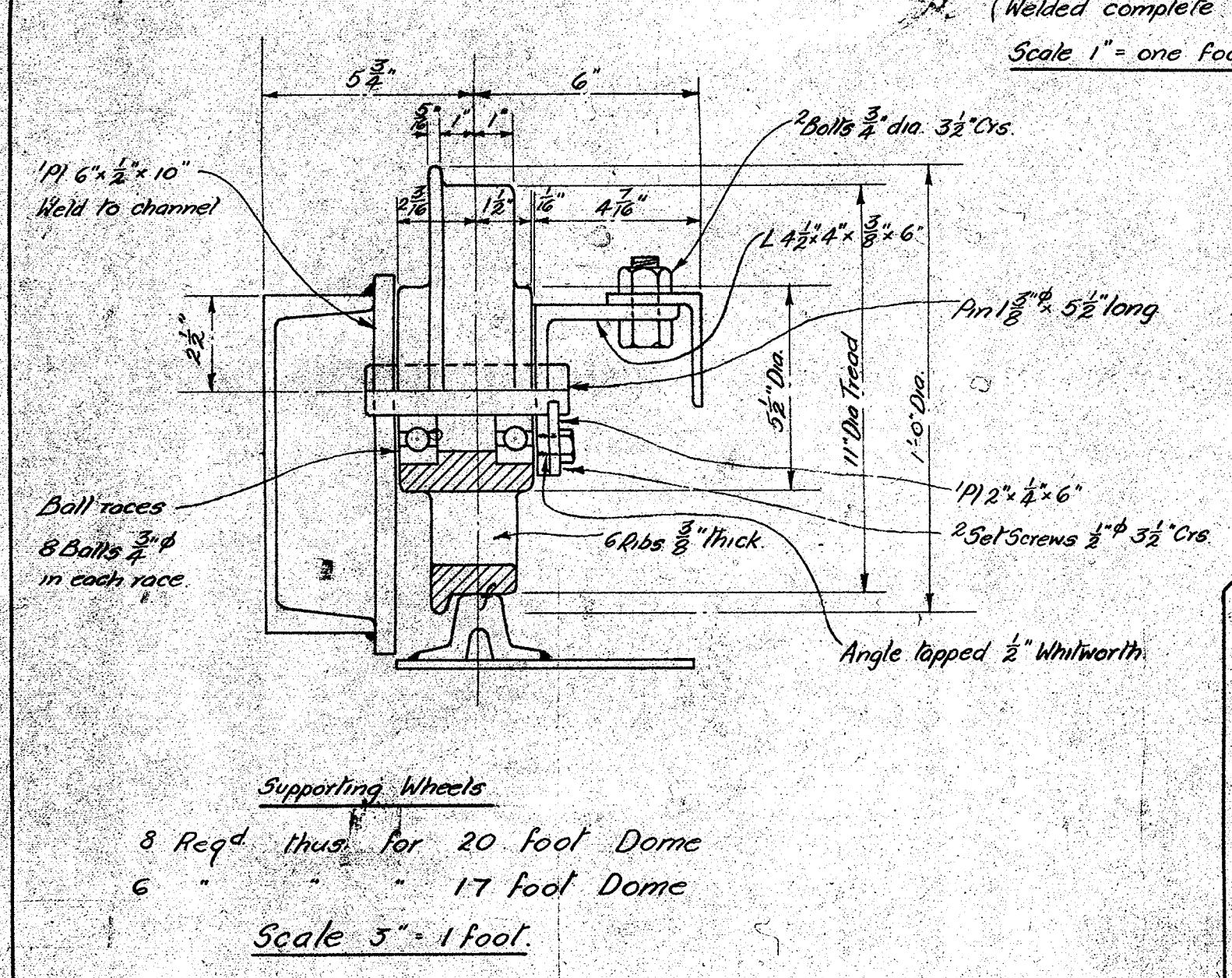
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FOR THE CARTER OBSERVATORY BOARD.

PETER HOGGATE  
M.A.S.T.C.E. (M.S.T.R.U.C.E. (R.O.M.))  
CONSULTING BRIDGE &  
STRUCTURAL ENGINEER  
WELLINGTON, N.Z.  
SCALE: 1" = 1'-0"  
DATE:  
DRWG NO. 4

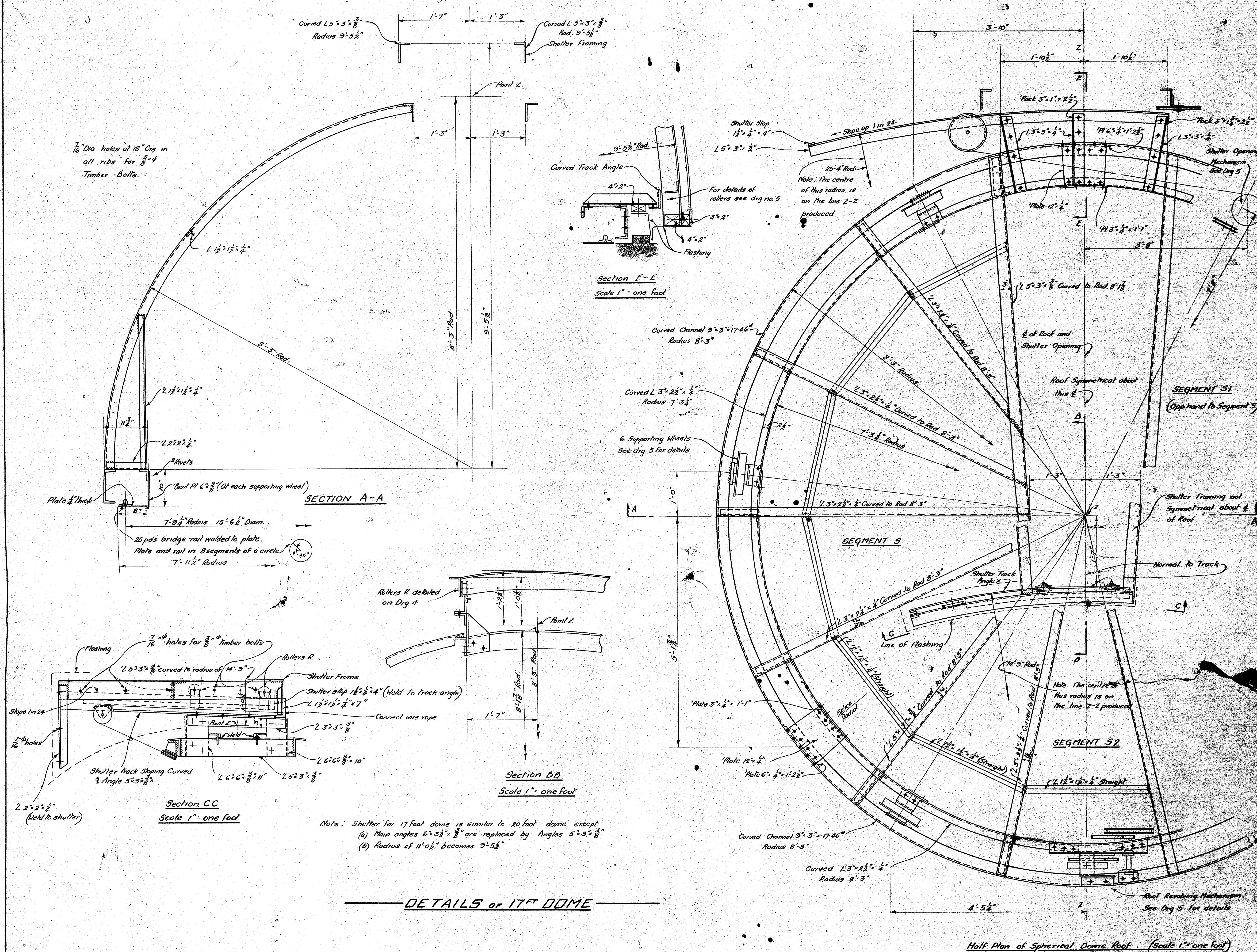




**1. STEEL SHUTTER FRAME THUS**  
(Welded complete in shop)  
Scale 1\"/>







Note: Shutter for 17 foot dome is similar to 20 foot dome except  
 (a) Main angles  $6\frac{3}{8} \times \frac{3}{8}$  are replaced by Angles  $5\frac{3}{8} \times \frac{3}{8}$   
 (b) Radius of  $11\frac{1}{2}$  becomes  $9\frac{1}{2}$

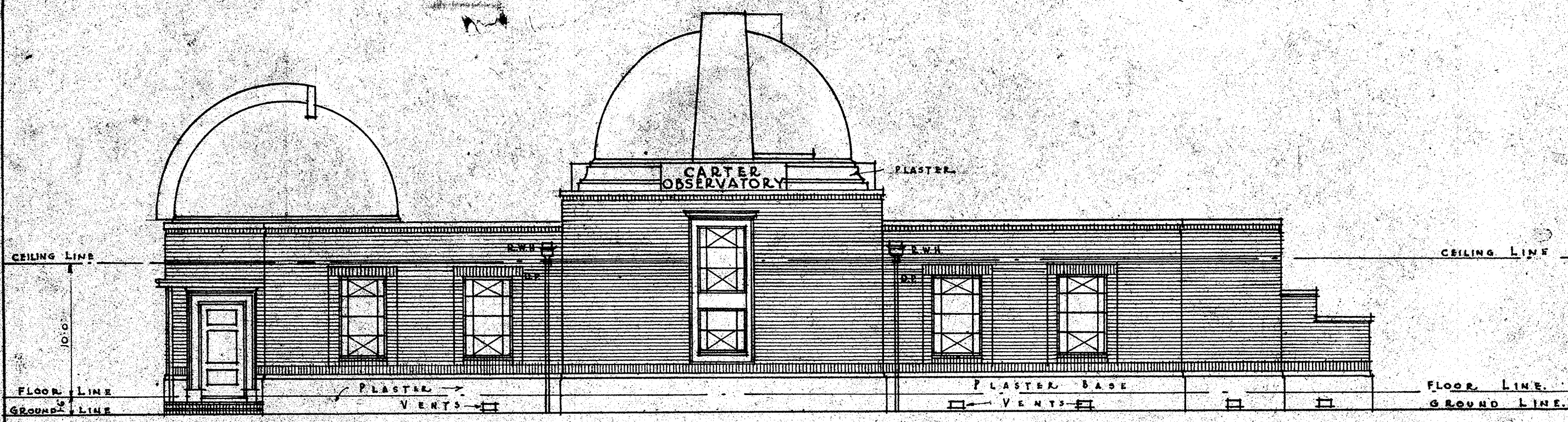
Job N° 339  
 GRAY YOUNG, MORTON & YOUNG  
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 PRUDENTIAL BLDG WELLINGTON

OBSERVATORY, BOTANICAL GARDENS, WELLINGTON,  
 FOR THE CARTER OBSERVATORY BOARD

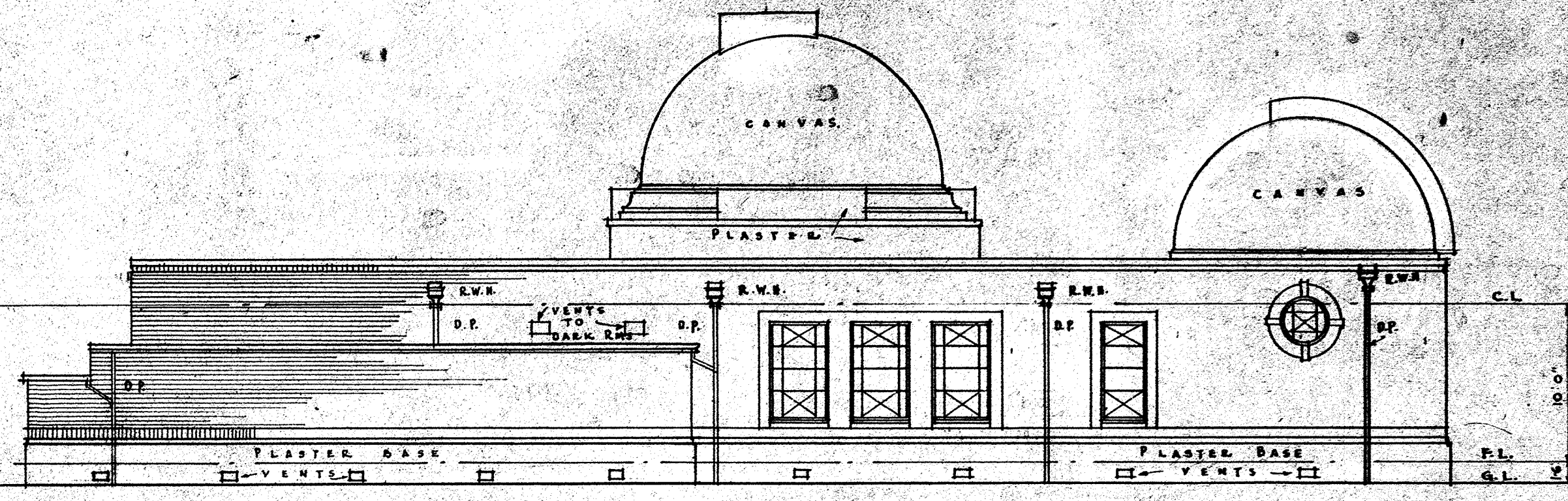
PETER HOLGATE  
 M.N.Z.E. M.STRUCT.E (COP)  
 CONSULTING BRIDGE &  
 STRUCTURAL ENGINEER  
 WELLINGTON N.Z.

SCALES: 1" = 1'-0"  
 DATE  
 DRWG NO 6

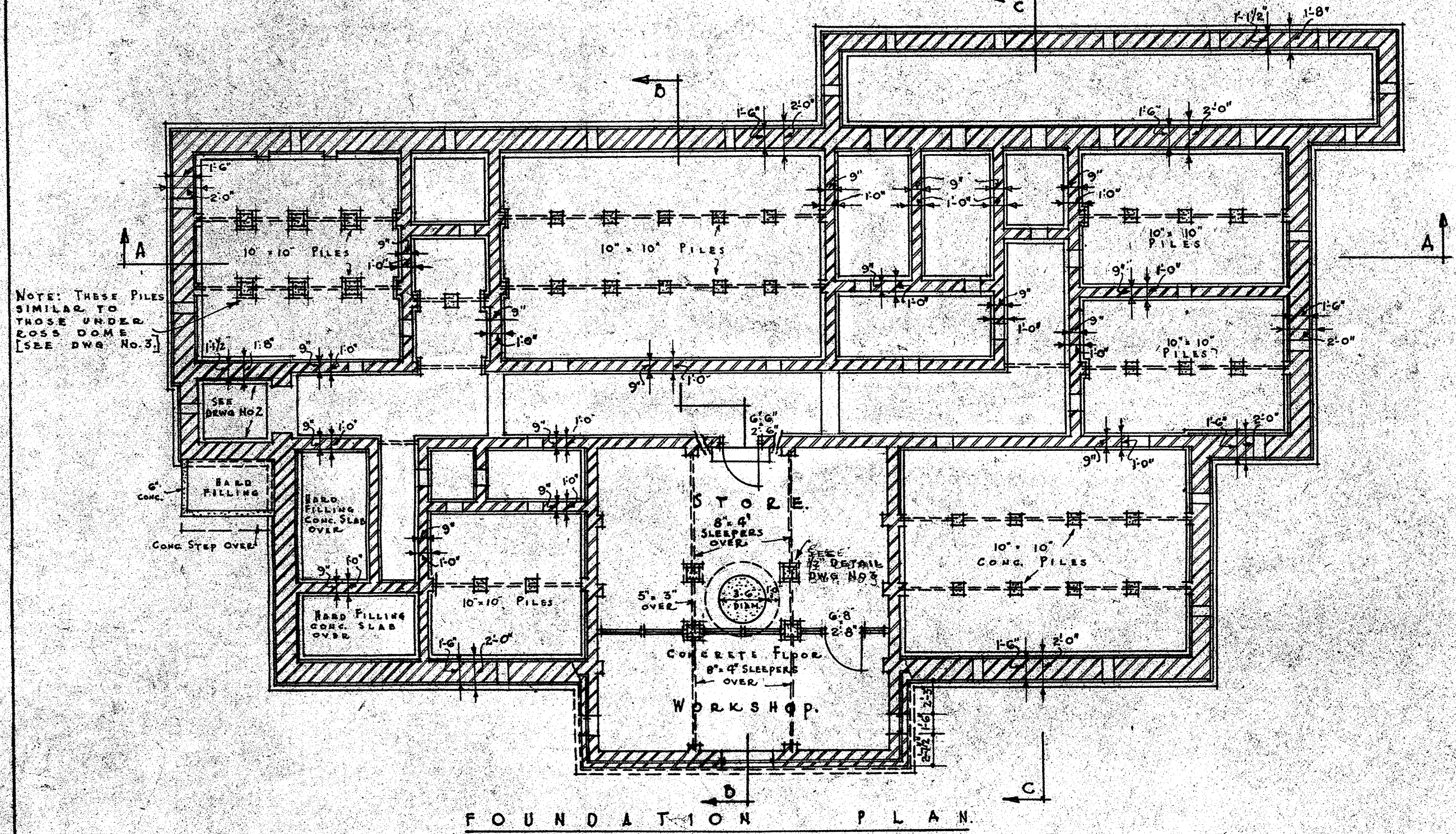




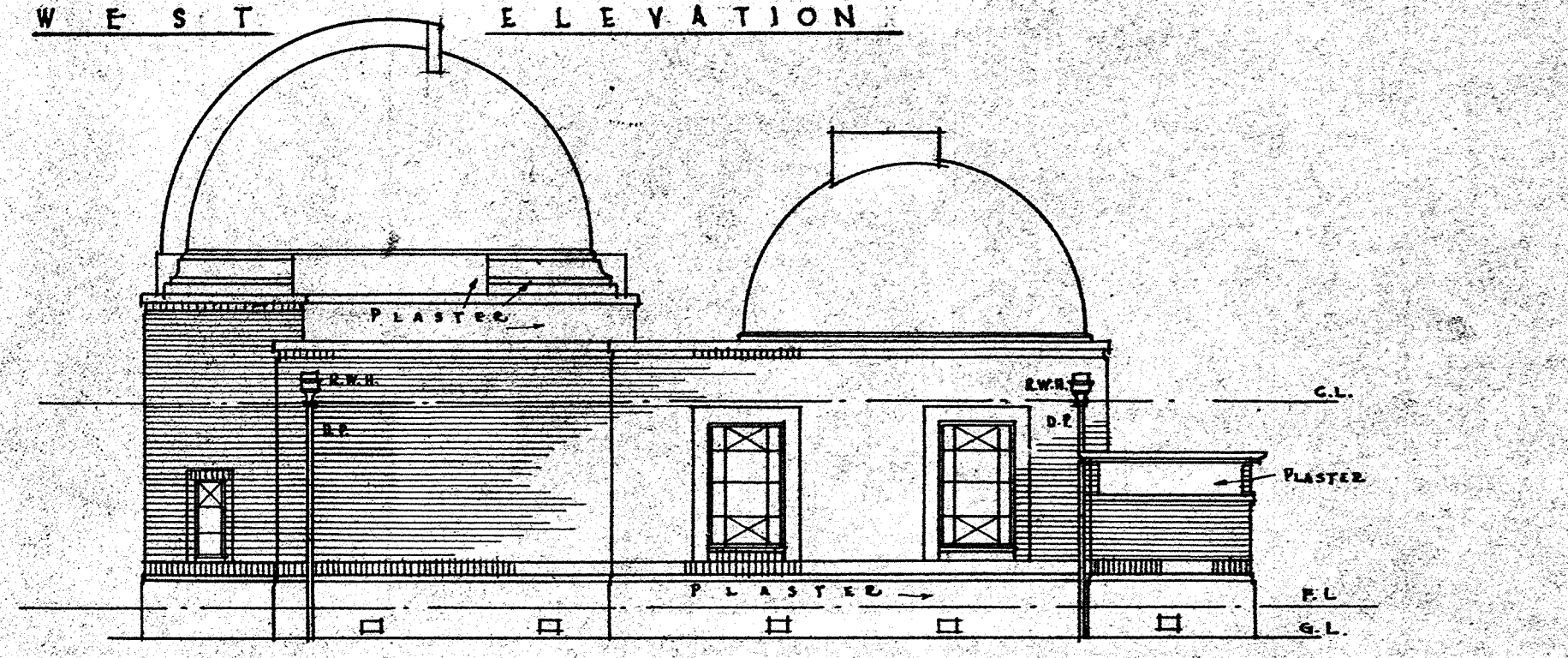
EAST ELEVATION



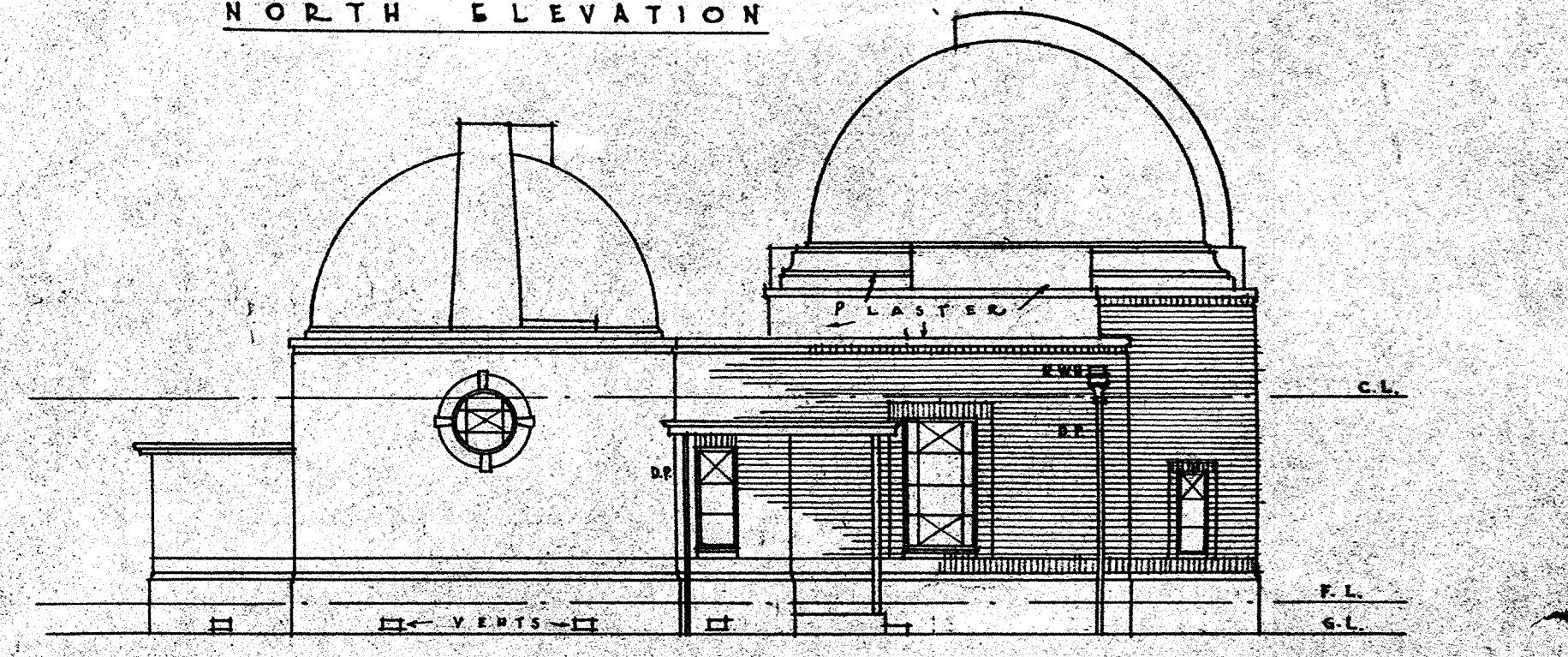
WEST ELEVATION



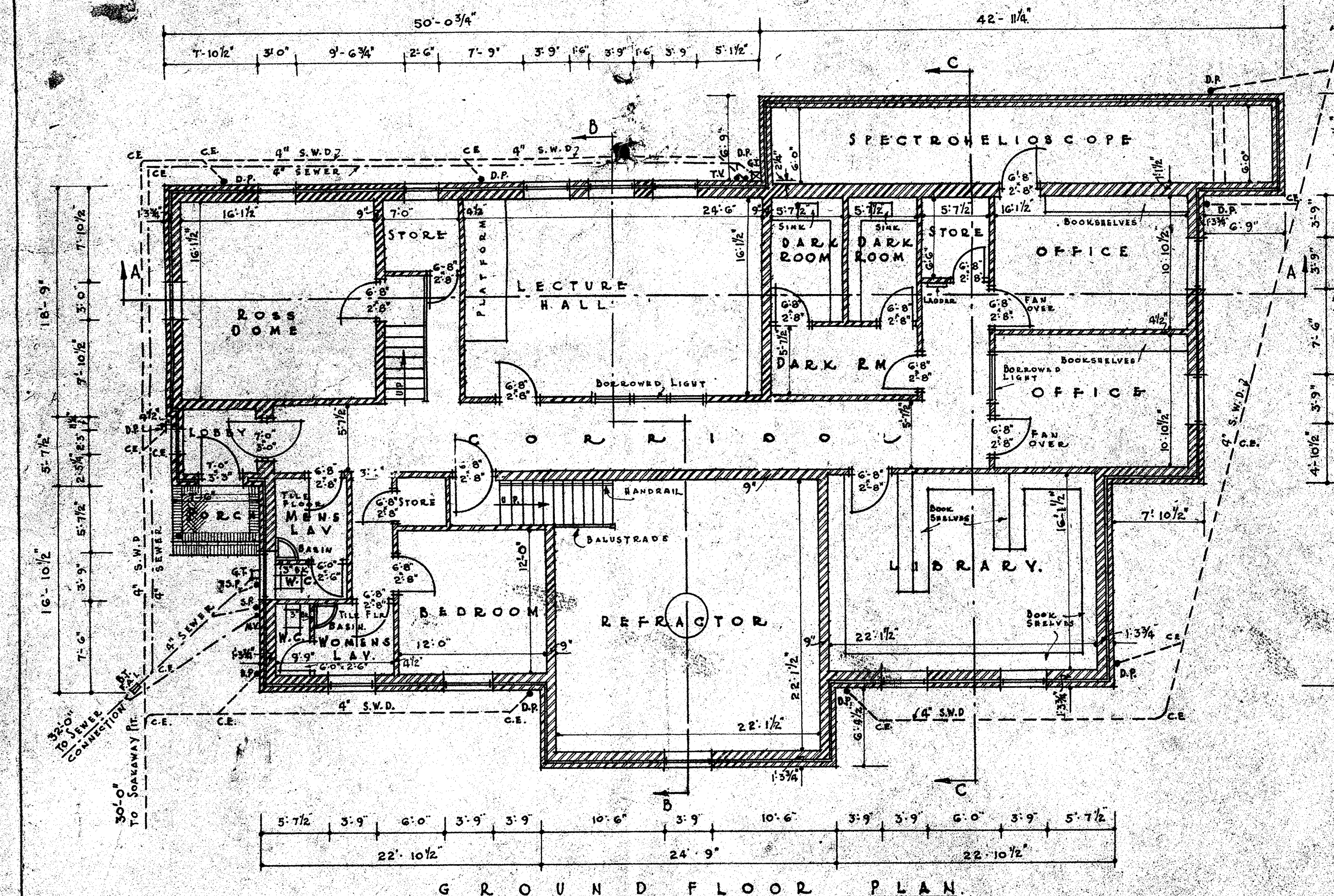
FOUNDATION PLAN



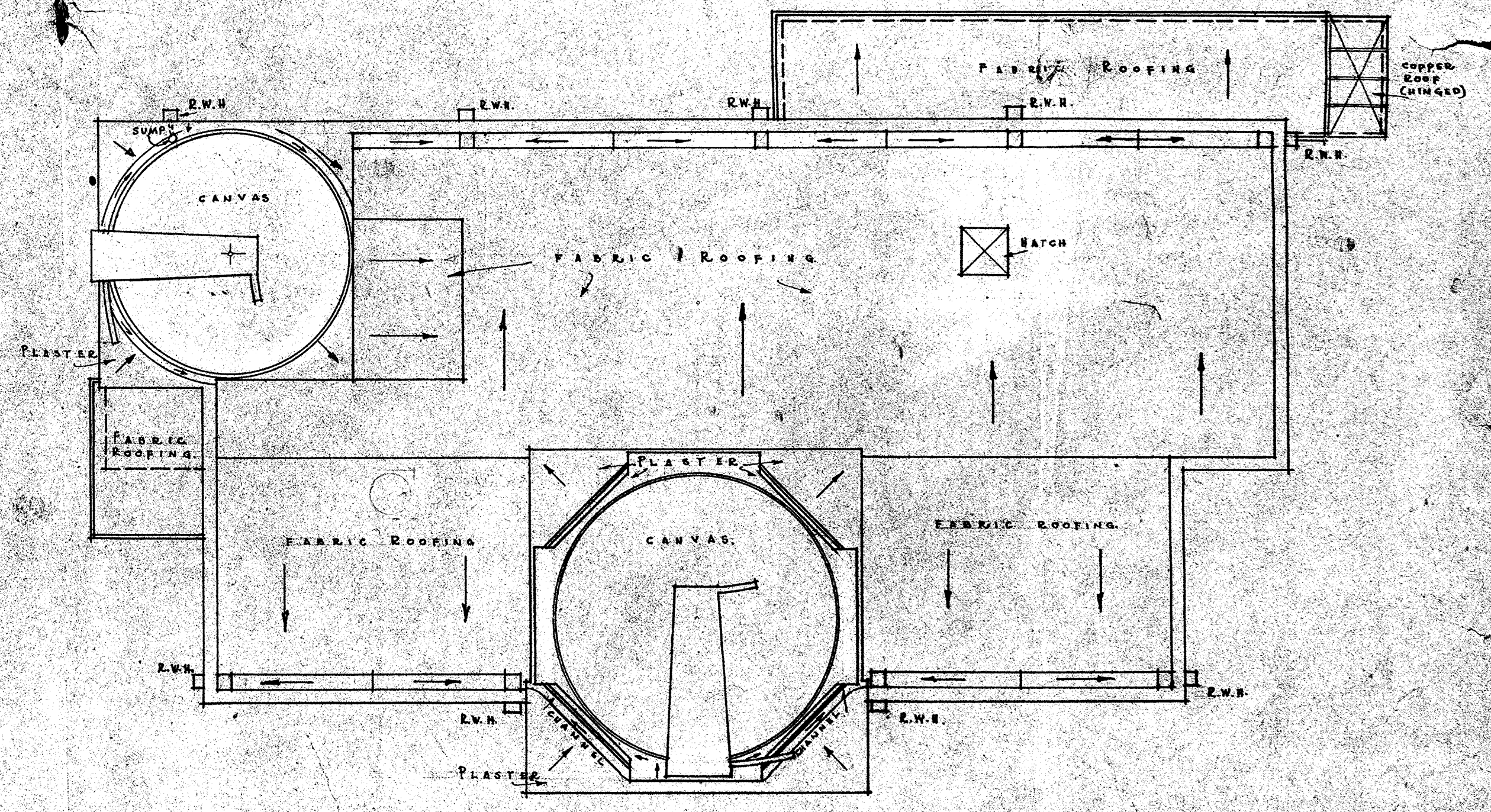
NORTH ELEVATION



SOUTH ELEVATION



GROUND FLOOR PLAN



ROOF PLAN

GRAY YOUNG, MORTON & YOUNG,  
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 PRUDENTIAL BLDG. WELLINGTON

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INDICATIONS:  
 BRICK: [hatched pattern]  
 CONCRETE: [cross-hatched pattern]  
 SCALE: 1/4" = 1'-0"  
 DATE: MAY 1940  
 DRWG NO. 1