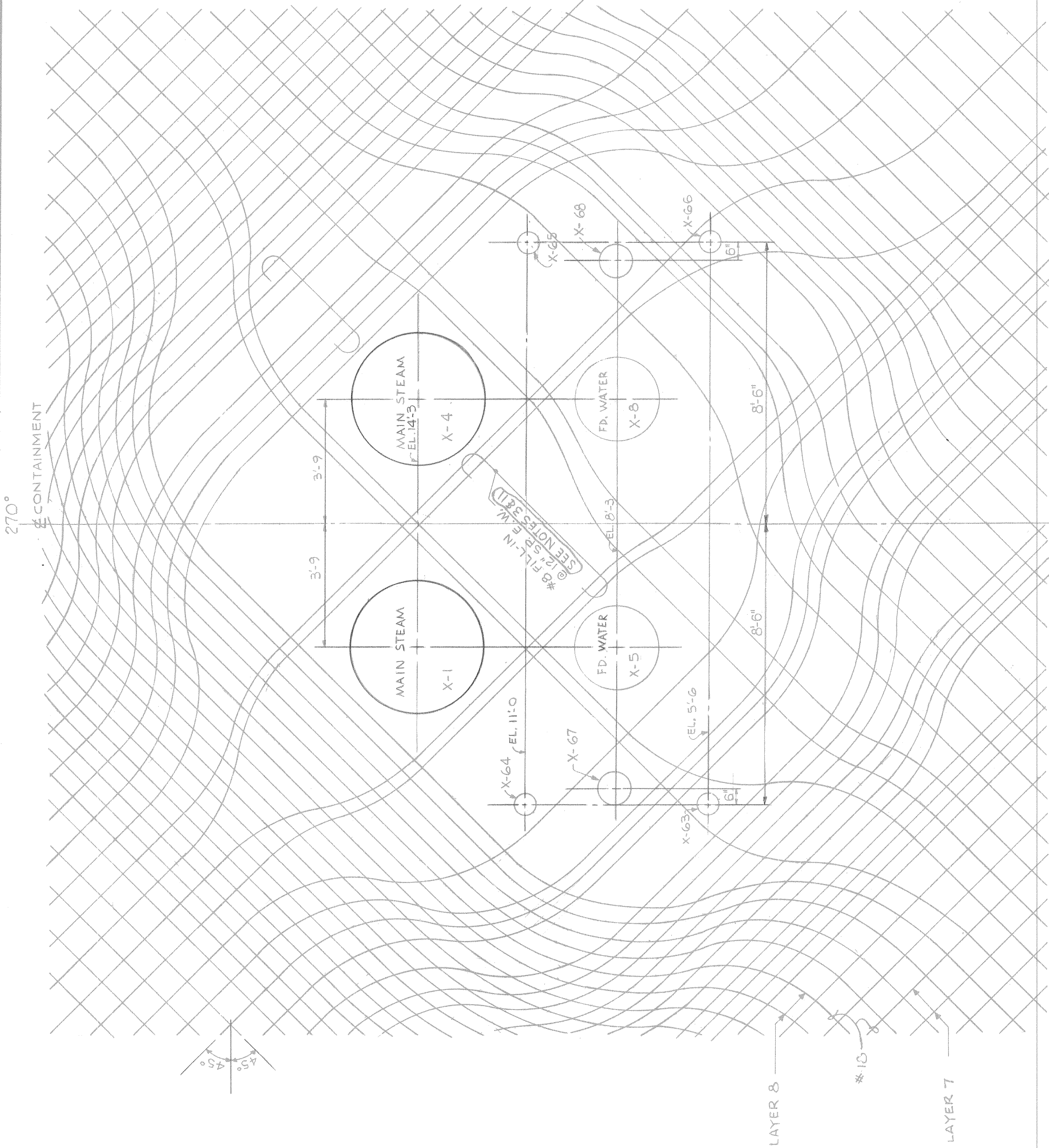


HOOP & MERIDIONAL REINFORCING AT PENETRATIONS

SCALE 1/2"=1'-0"

(REINF. PATTERN SIMILAR @ 90° PENETRATIONS)



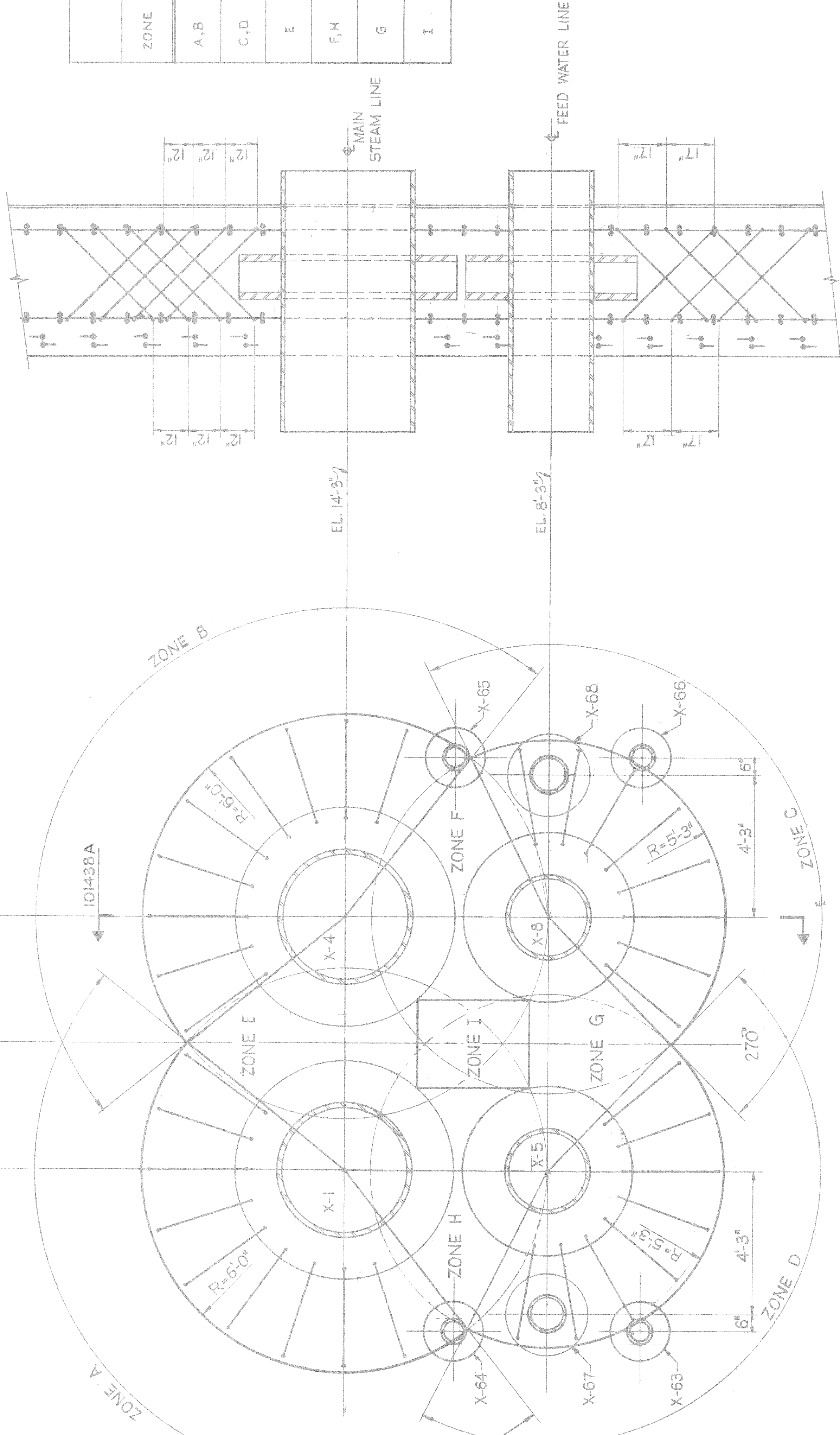
DIAGONAL REINFORCING AT PENETRATIONS

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

(REINF. PATTERN SIMILAR @ 90° PENETRATIONS)

- NOTES:
1. FOR REFERENCE DWGS. SEE DWG. NO. 9763-F-101435.
 2. DETAILS OF RE-BARS AROUND PENETRATIONS TO BE DEVELOPED BY THE RE-BAR DETAILER AS PER CRITERIA SHOWN ON THIS DWG.
 3. #5 @ 12" FILL-IN BARS ARE REQUIRED ON EACH SIDE OF EACH PENETRATION. REBAR X-38, X-71 & X-72 X-1 TO X-100.
 4. FOR STIRRUP DETAIL SEE DWG. NO. 9763-F-101435.
 5. ~~DELETED~~
 6. ~~DELETED~~
 7. MAX. CIRCUMFERENTIAL SPACING OF STIRRUPS SHOULD BE 1/2" AT MIDDLE SECTION OF WALL.
 8. TO OBTAIN LARGER SIZE OF STIRRUPS, CAN BE USED 10" OR HIGHER SIZE STIRRUPS. SHALL HAVE PLATES AT BOTH ENDS. SEE DWG. 9763-F-101441 FOR PLATE SIZE.
 9. FOR GENERAL NOTES SEE DWG. 9763-F-101435.
 10. STIRRUPS ARE TO BE RADIAL WITH RESPECT TO THE CENTER OF PENETRATION.
 11. CENTER OF PENETRATION IS TO BE MARKED BY A BAG. MAY BE ADDED AS REQUIRED. MINIMUM SPACING SHALL BE 6" c/c.

TABLE OF INCLINED SHEAR REINFORCING AT 90/270° M.S. & F.W. PENETRATIONS.		
ZONE	TOTAL AREA OF REINF. REQ'D. IN EACH ZONE	REMARKS
A, B	42.24 IN. ² (2112 IN. ² IN EACH DIRECTION)	STIRRUPS TO BE UNIFORMLY DISTRIBUTED IN 4 LAYERS AS SHOWN IN SECTION
C, D	26.40 IN. ² (1320 IN. ² IN EACH DIRECTION)	STIRRUPS TO BE UNIFORMLY DISTRIBUTED IN 3 LAYERS AS SHOWN IN SECTION
E	18.86 IN. ² (943 IN. ² IN EACH DIRECTION)	STIRRUPS TO BE UNIFORMLY DISTRIBUTED IN AS MANY LAYERS AS POSSIBLE
F, H	1914 IN. ² (957 IN. ² IN EACH DIRECTION)	
G	8.40 IN. ² (420 IN. ² IN EACH DIRECTION)	
I	2112 IN. ² (1056 IN. ² IN EACH DIRECTION)	



STIRRUP ARRANGEMENT AT 270° PENETRATIONS

SCALE: 1/2"=1'-0"
(SIMILAR AT 90° PENETRATIONS)

SECTION 101438A

SCALE 1/2"=1'-0"

N-STAMP ITEM

HOQAE

CONTAINMENT

CONCRETE

REINFORCING AT PENETRATIONS

PUBLIC SERVICE CO. OF NEW HAMPSHIRE

SEABROOK STATION

med engineers

UNITS 1 AND 2

9763-F-101438

AREA 017 CS

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BOTTOM LAYER

CONTAINMENT

$\frac{1}{2} R (60^\circ \text{ ABOVE S.L.})$
POINT OF TANGENCY
FOR ARCH BARS

FOR APEX REINFORCING DETAILS
SEE PLAN & ELEVATIONS BELOW

NOTE
ALL APEX BARS ARE SINGLE PLANE BEND BARS
ALONG THE SURFACE OF DOME WITH A DEFINITE
RADIUS CALCULATED ON THE BASIS OF GEOMETRICAL
RELATIONS TO ACHIEVE PROPER TANGENCY WITH
MERIDIONAL BARS.



ELEVATION 101436A

MBZ.com - July 27

COMPLETE
DOME REINFORCING - SHEET 1

e united engineers & constructors

UNITS 1 AND 2 9763-F-101436

2

SECURITY-RELATED INFORMATION WITHHELD UNDER 5 USC SECTION 552(b)
(4) AND 5 USC SECTION 552(b)(7)(F)

SECURITY-RELATED INFORMATION WITHHELD UNDER 5 USC SECTION 552(b)
(4) AND 5 USC SECTION 552(b)(7)(F)