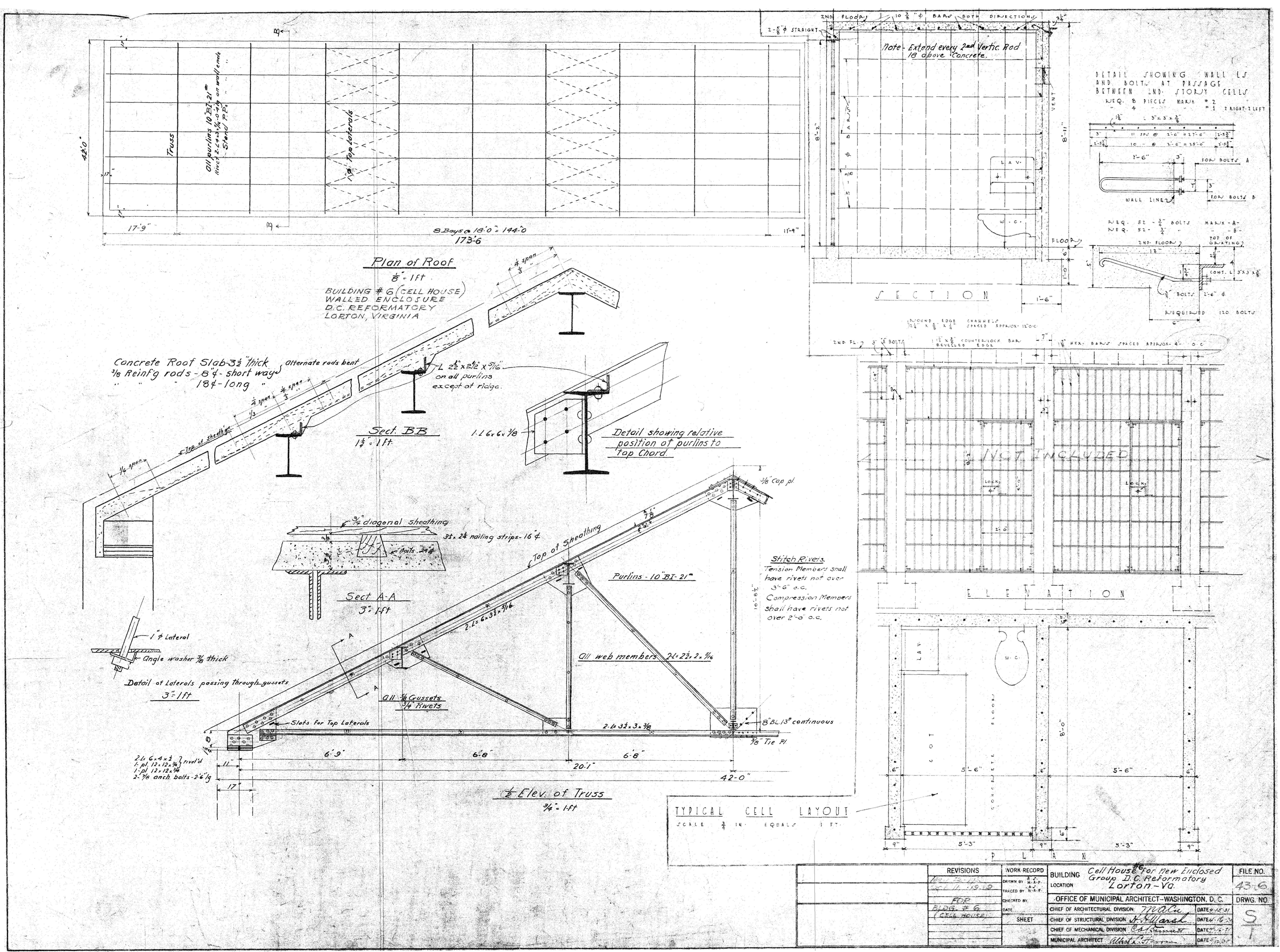

Plan of Roof
1/8" = 1 ft
BUILDING #6 (CELL HOUSE)
WALLED ENCLOSURE
D.C. REFORMATORY
LORTON, VIRGINIA
Truss
All purlins 10" BI-21#
Rivet 2-L 4x3x5/16-0'-4 lg on wall ends
Stand P.P.
1" ϕ Top Laterals
8 Bays @ 18'-0" = 144'-0"
173'-6
42'-0"
17'-9"
11'-9"
Concrete Roof Slab-3 1/2" thick
3/8 Reinf'g rods - 8" ϕ - short way
" " " 18 ϕ - long "
Alternate rods bent
L 2 1/2" x 2 1/2" x 5/16" on all purlins except at ridge.
Sect. BB
1 1/2" = 1 ft
1-L 6x6x3/8
Detail showing relative position of purlins to top Chord.
3/4" diagonal sheathing
3 1/2 x 2 1/4 nailing strips - 16" ϕ
Nails 24" ϕ
Sect A-A
3" = 1 ft
Top of Sheathing
3/8" Cap pl.
Purlins - 10" BI-21#
Stitch Rivets.
Tension Members shall have rivets not over 3'-6" o.c.
Compression Members shall have rivets not over 2'-0" o.c.
1" ϕ Lateral
Angle washer 3/8 thick
Detail of Laterals passing through gussets
3" = 1 ft
2-L 6x3 1/2x5/16
All web members 2-L 2 1/2 x 2 x 5/16
All 5/8 Gussets
3/4 Rivets
Slots for Top Laterals
2-L 3 1/2 x 3 x 3/8
8" BL 13# continuous
3/8" Tie Pl.
2-L 6x4x1/2
1-pl. 12x12x3/4
1-pl. 12x12x3/4
2-7/8 anch. bolts - 2'-6" lg
rivet'd
6'-9"
6'-8"
6'-8"
20'-1"
42'-0"
1/2 Elev. of Truss
3/4" = 1 ft
2ND FLOOR
10 3/8" ϕ BARS BOTH DIRECTIONS
2-5/8" ϕ STRAIGHT
Note - Extend every 2nd Vertic. Rod 18" above Concrete.
VENT
LAV.
W.C.
FLOOR
SECTION
DETAIL SHOWING WALL LS AND BOLTS AT PASSAGE BETWEEN 2ND STORY CELLS
REQ. 8 PIECES MARK #2
" 4 " " #1 2 RIGHT - 2 LEFT
L 3" x 3" x 3/8"
FOR BOLTS A
FOR BOLTS B
WALL LINE
REQ. 52 - 3/4" BOLTS MARK - A -
REQ. 52 - 3/4" " " - B -
2ND FLOOR
TOP OF GRATING
CONT. L 3" x 3" x 3/8"
3/4" BOLTS 2'-6" ϕ
REQUIRED 120 BOLTS
ROUND EDGE CHANNELS
2 1/4" x 5/8" x 1/4" SPACED APPROX. 12" O.C.
2ND FL.
3" "A" BOLTS
1 1/2" x 3/8" COUNTERLOCK BAR BEVELED EDGE
1 3/8" HEX. BARS SPACED APPROX. 4" O.C.
NOT INCLUDED
LOCK
ELEVATION
LAV.
W.C.
COT
CONCRETE FLOOR
8'-0"
5'-6"
5'-6"
5'-3"
5'-3"
PLAN
TYPICAL CELL LAYOUT
SCALE 3/4 IN. EQUALS 1 FT.
REVISIONS
WORK RECORD
DRAWN BY A.S. H.A.P.
TRACED BY A.S. H.A.P.
CHECKED BY
DATE
SHEET
FOR BLDG. #6 (CELL HOUSE)
BUILDING Cell House #6 for New Enclosed Group D.C. Reformatory
LOCATION Lorton - Va.
OFFICE OF MUNICIPAL ARCHITECT - WASHINGTON, D.C.
CHIEF OF ARCHITECTURAL DIVISION
CHIEF OF STRUCTURAL DIVISION
CHIEF OF MECHANICAL DIVISION
MUNICIPAL ARCHITECT
DATE 4-15-31
DATE 4-16-31
DATE 4-16-31
DATE 5-12-31
FILE NO. 43-6
DRWG. NO. S 1