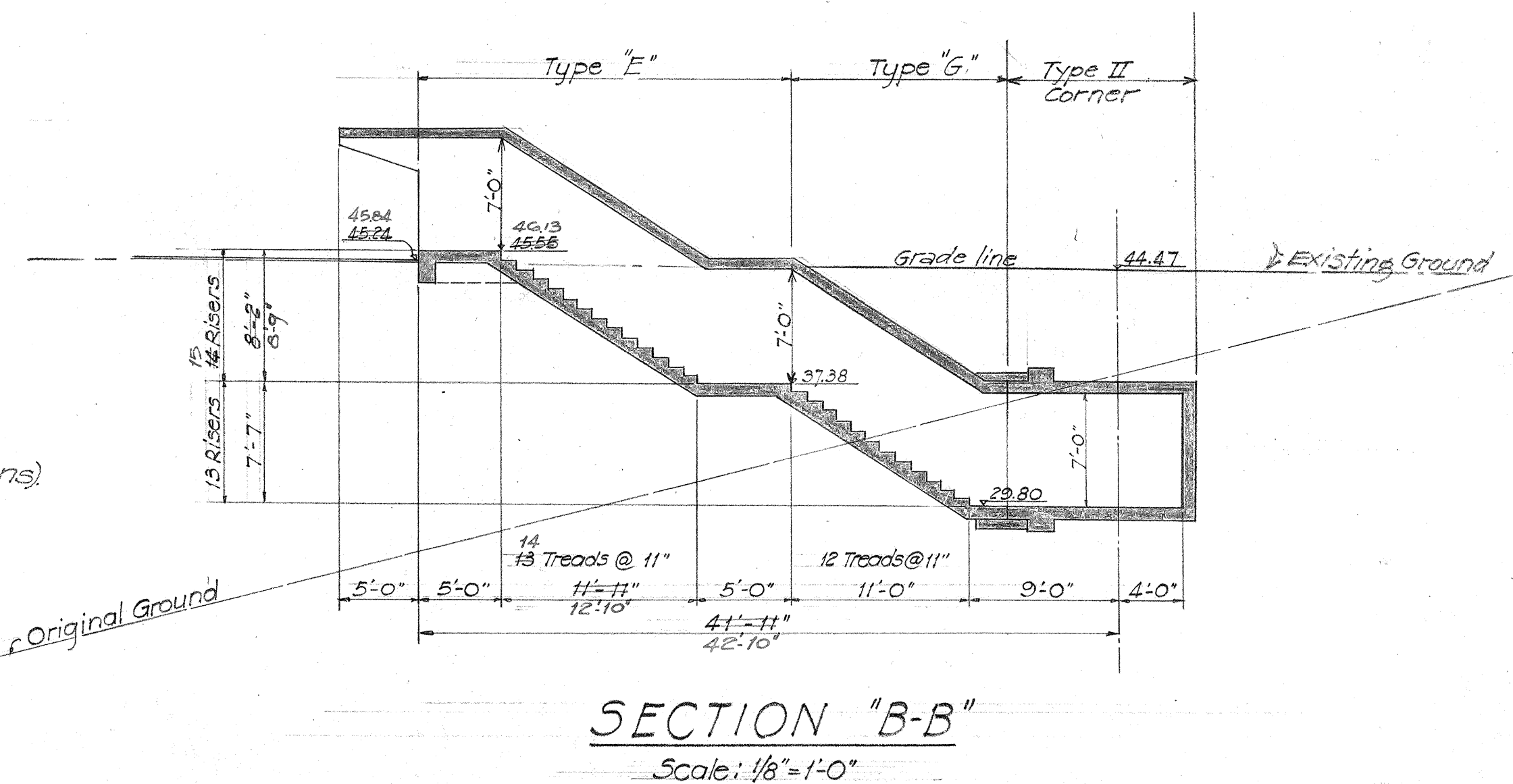
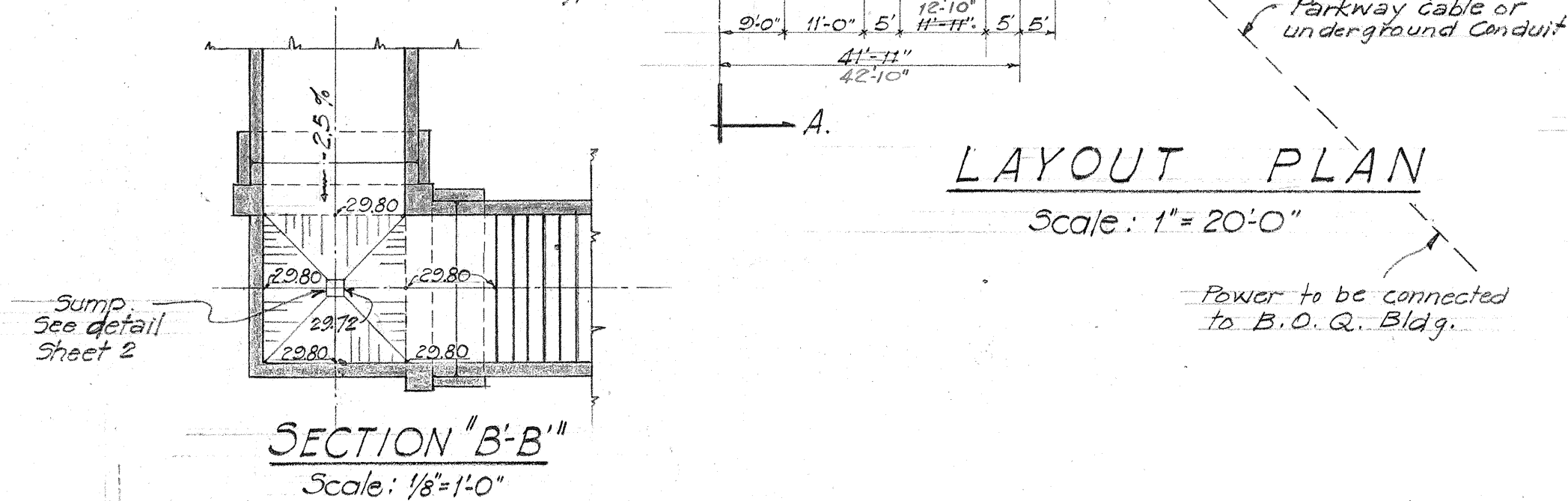
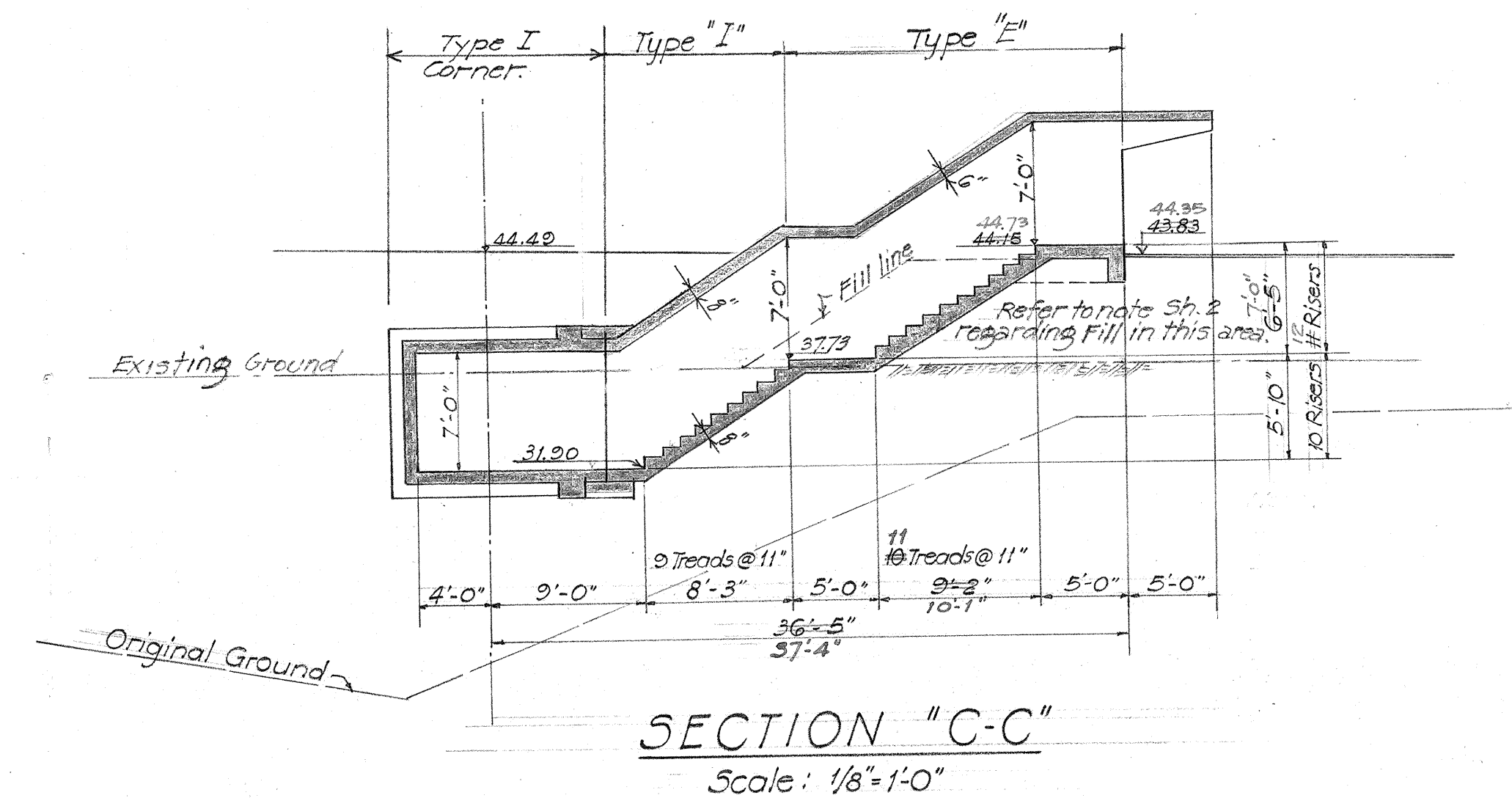
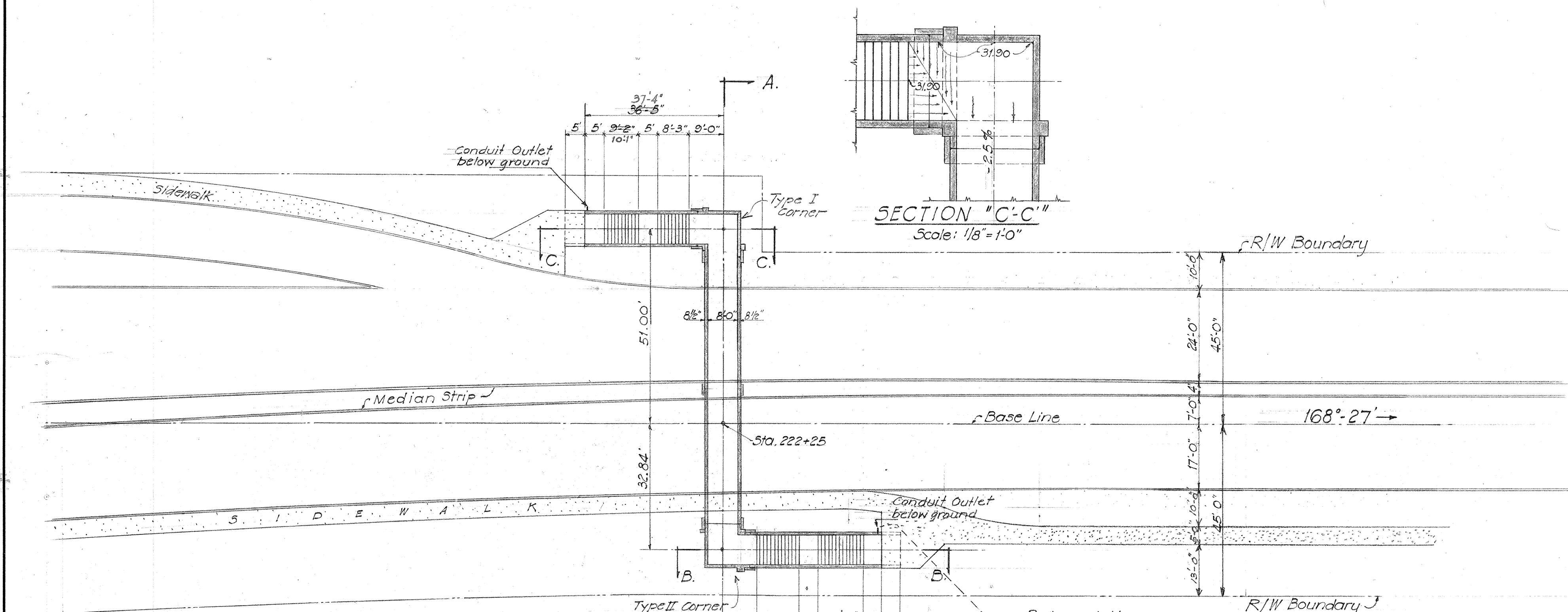
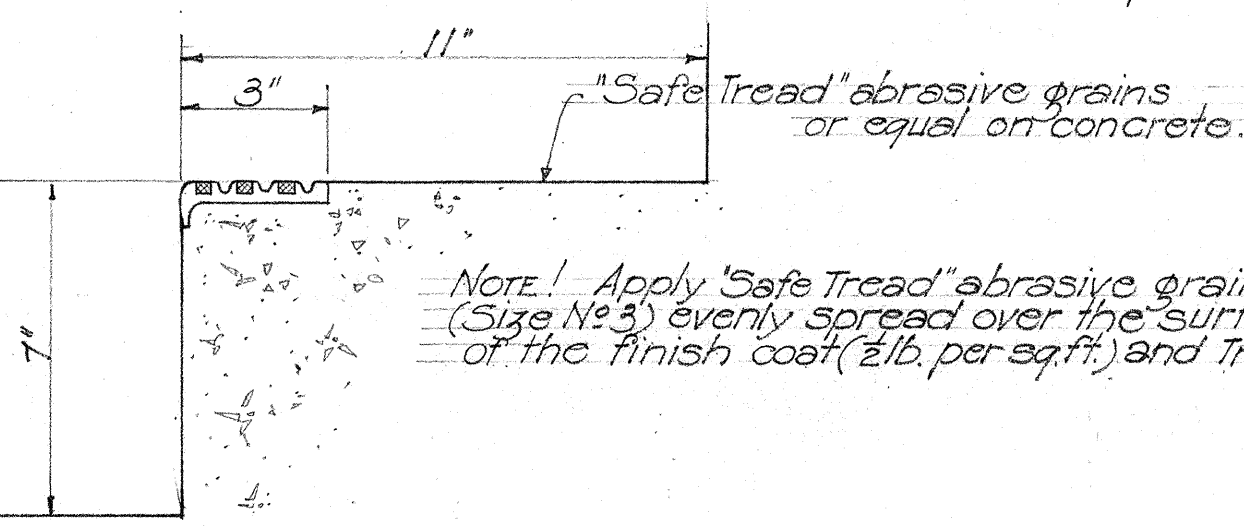




LAYOUT PLAN
Scale: 1"=20'-0"

Note:
All concrete except where noted otherwise to be Class A-1 concrete.
All Class A-1 concrete to have integral waterproofing, Tricoal or equal. See Pamphlet M Section 12.
Power to be connected to B.O.Q. Bldg.
Design Data:
H-20 Loading,
 $f_s = 18,000 \text{ lbs/sq in.}$
 $f_c = 1000 \text{ lbs/sq in.}$
The lighting system will be designed in detail by the Engineer and shall be supplied and installed by the Contractor. (See Special Provisions)

Hooster safe-Groove Tread 7'-0" Long
1/2" x 3/4" with lead filler or equal.
Safe-Groove Tread to be held to concrete with suitable anchors.
Treads are incidental to concrete and will not be paid separately.

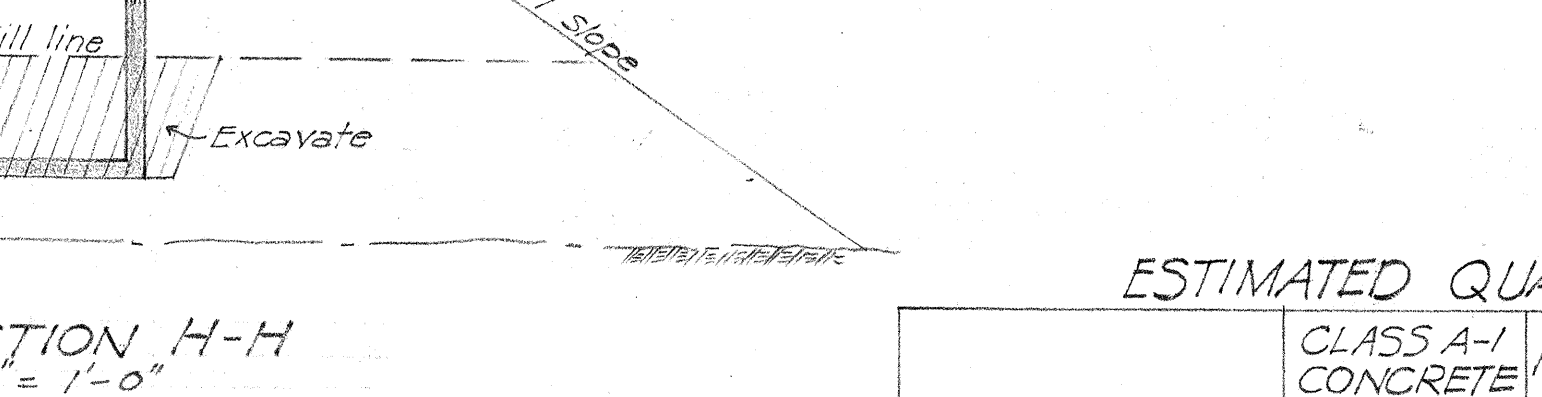
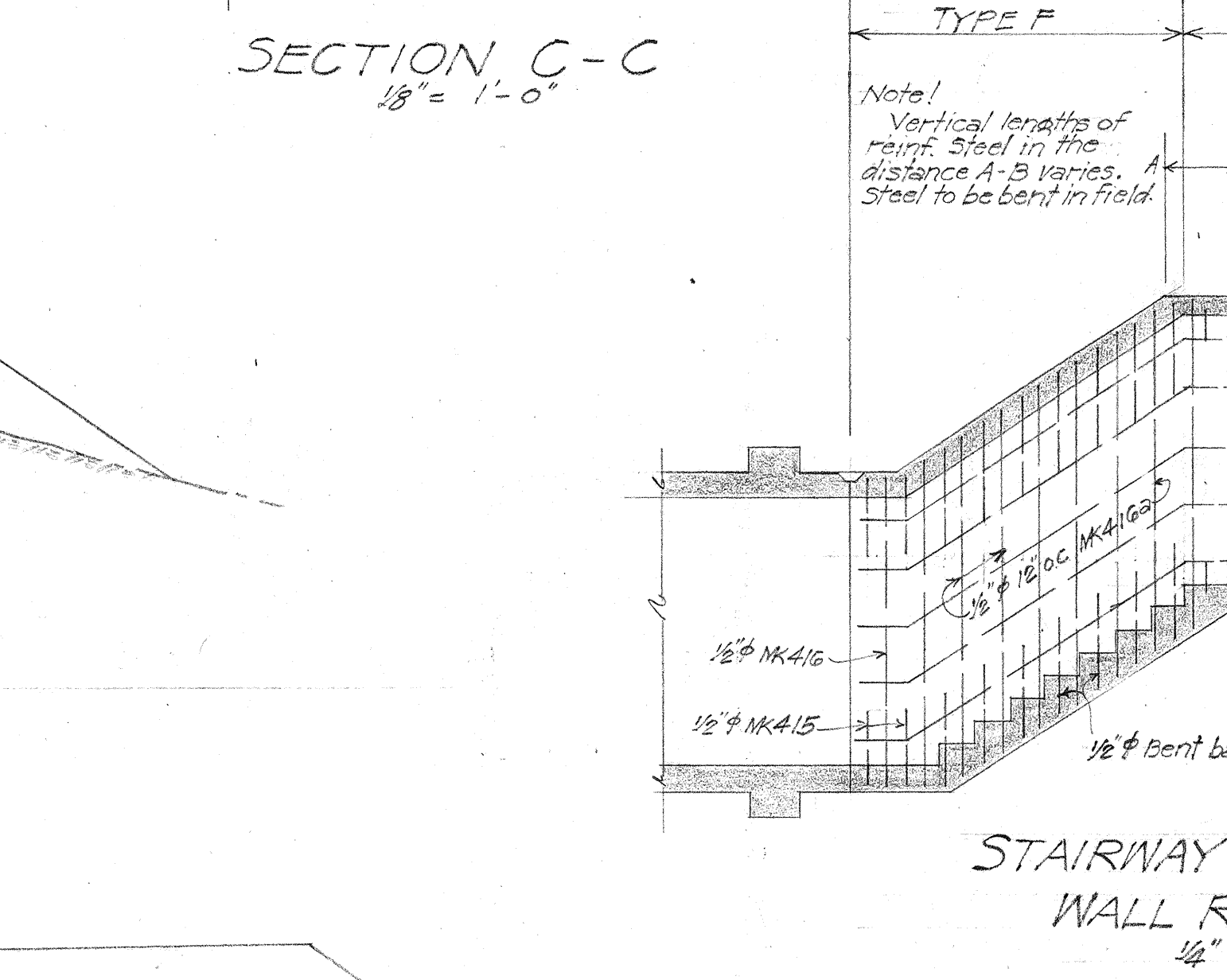
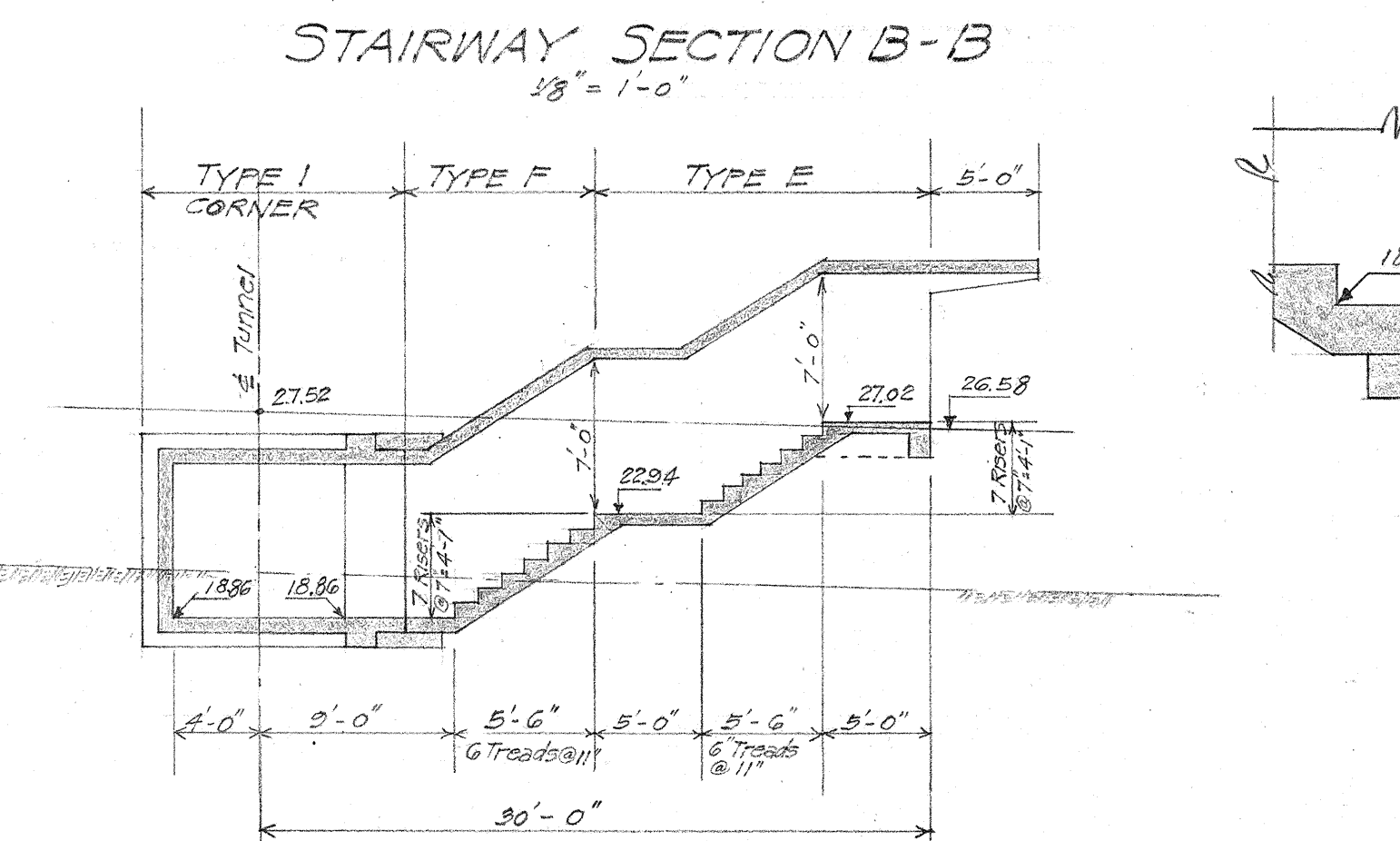
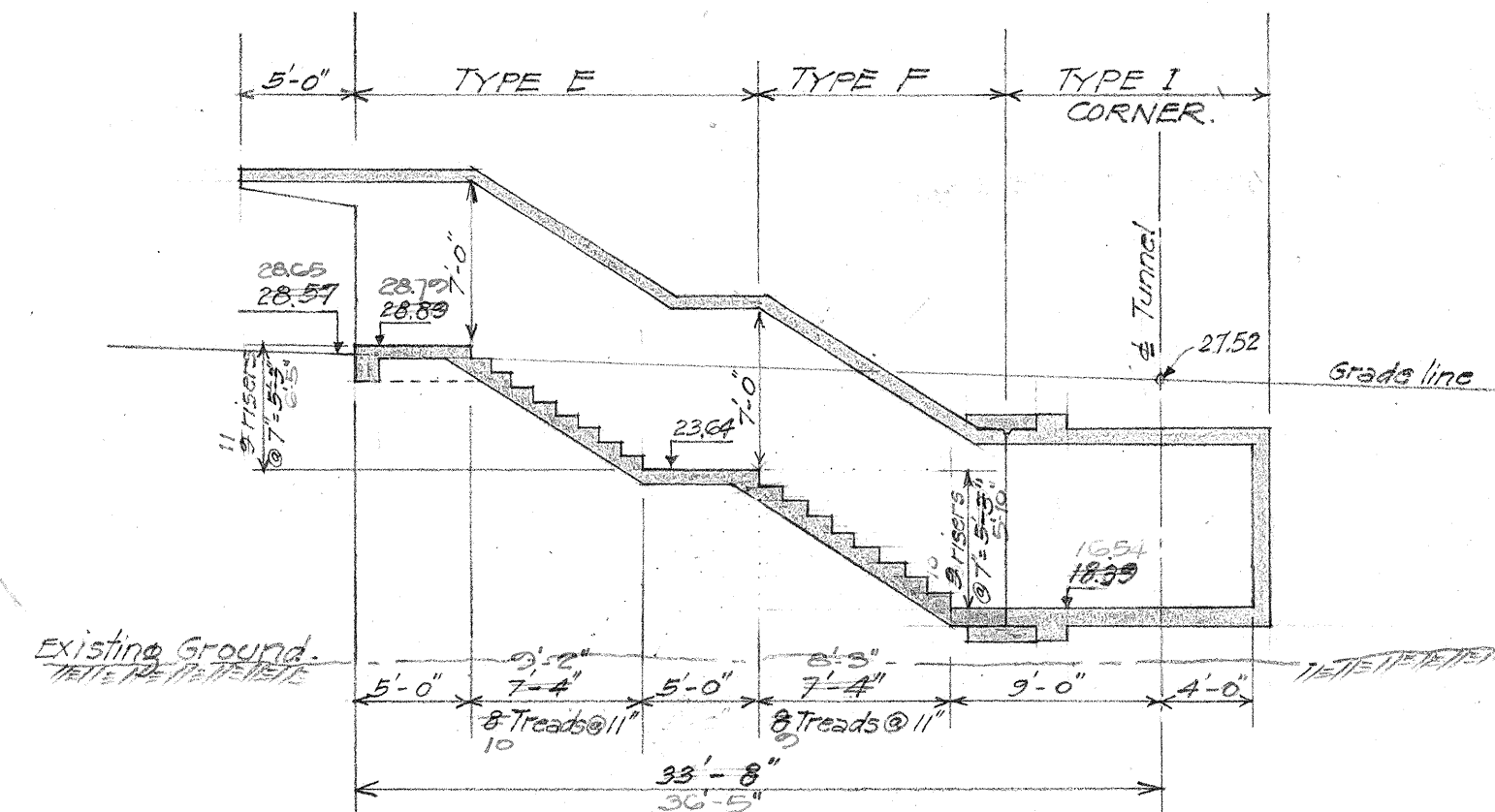
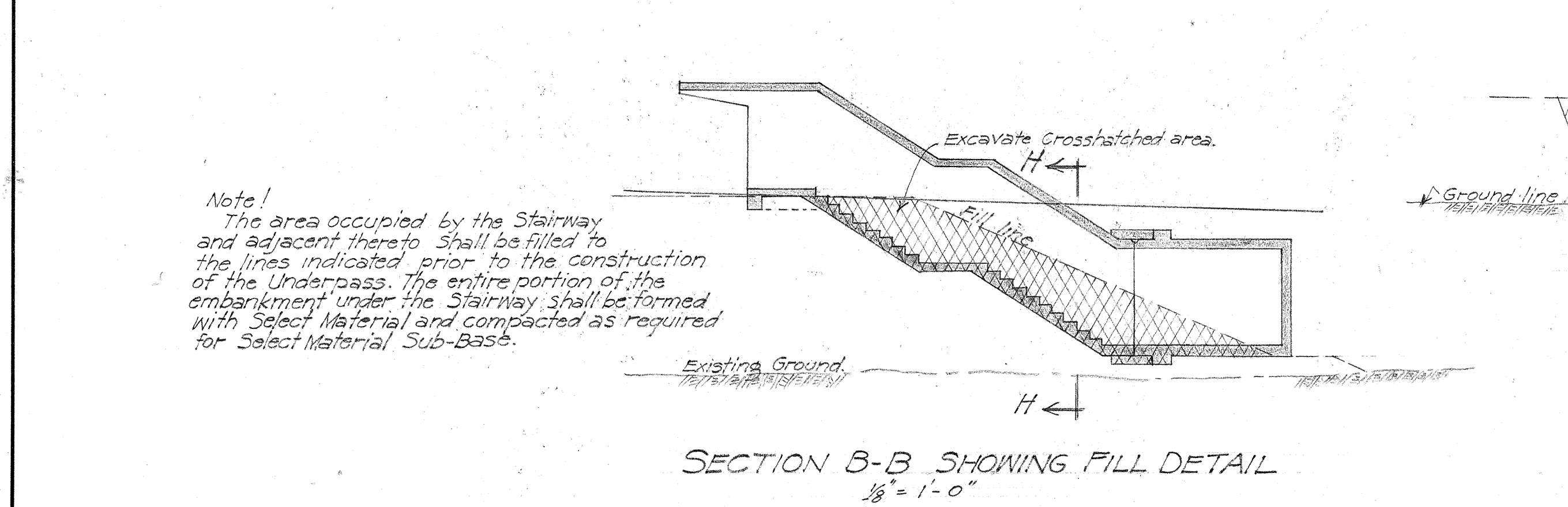
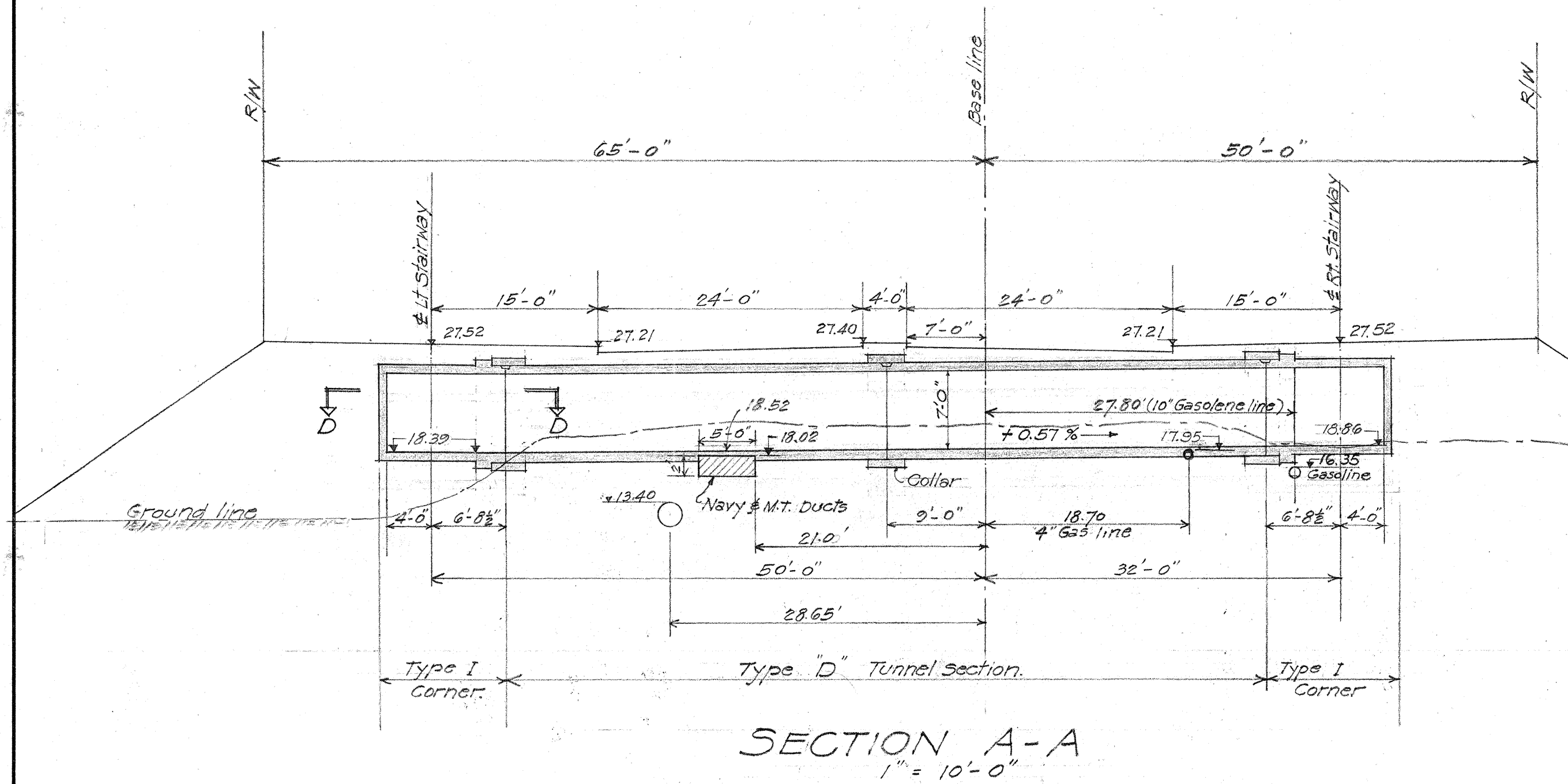
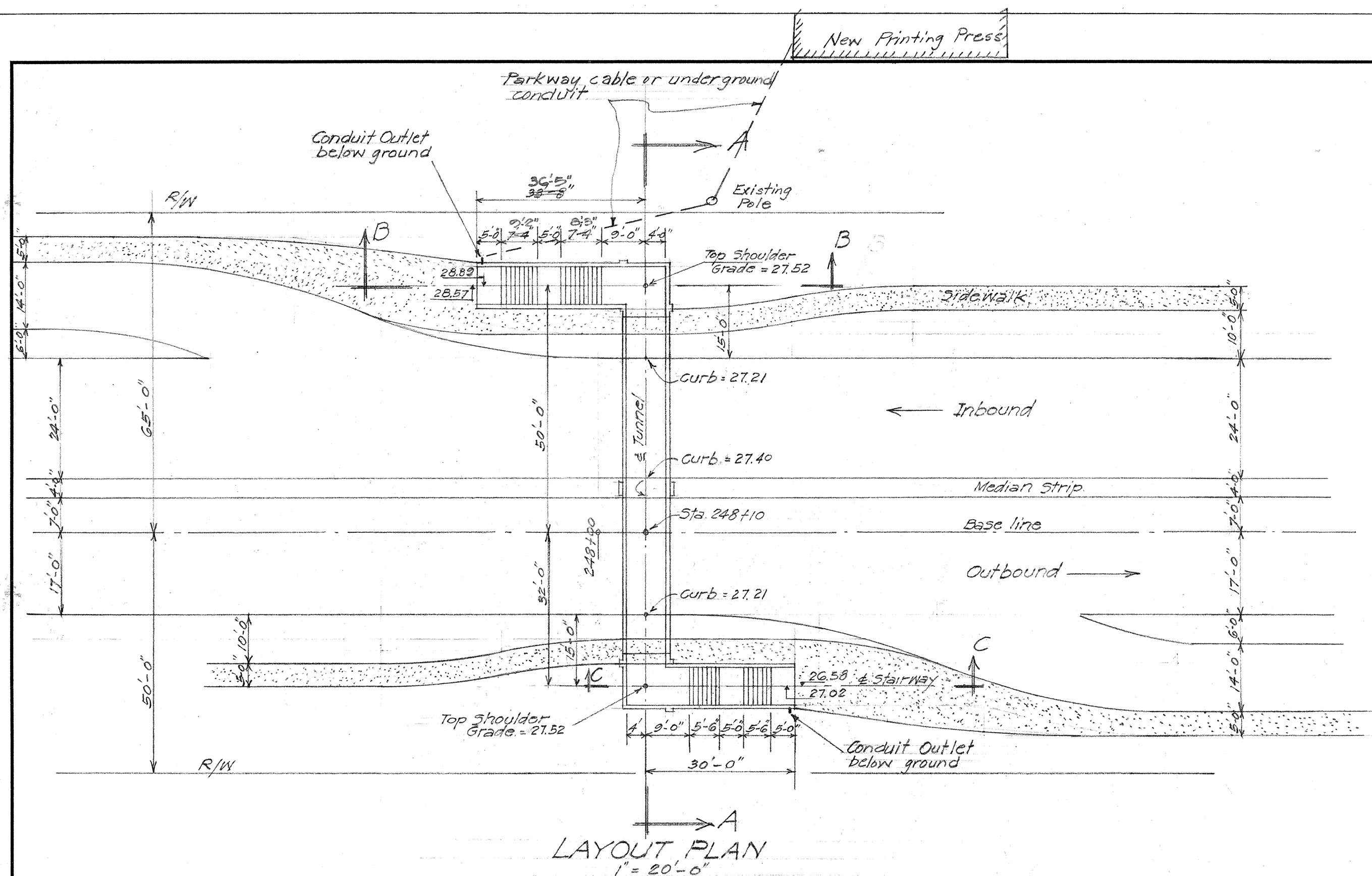


ESTIMATED QUANTITIES			
	CLASS A-1 CONCRETE	REINF STEEL	STR. EXC.
TUNNEL	70.91 CY	9418 Lb.	368.0 CY
CORNER - RIGHT	11.97	2061	87.4 CY
CORNER - LEFT	10.66	1643	34.0 "
STAIRWAY - RIGHT	36.79	4369	120.0 "
STAIRWAY - LEFT	30.80	3256	45.4 "
TOTAL	161.13 CY	20,747 Lb.	654.8 "

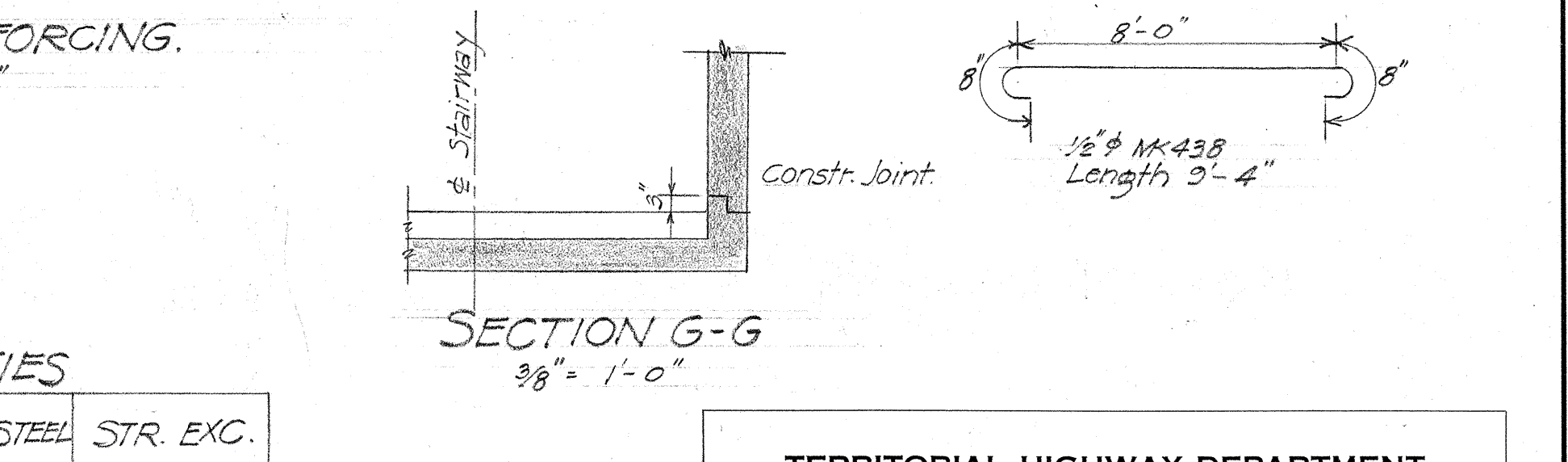
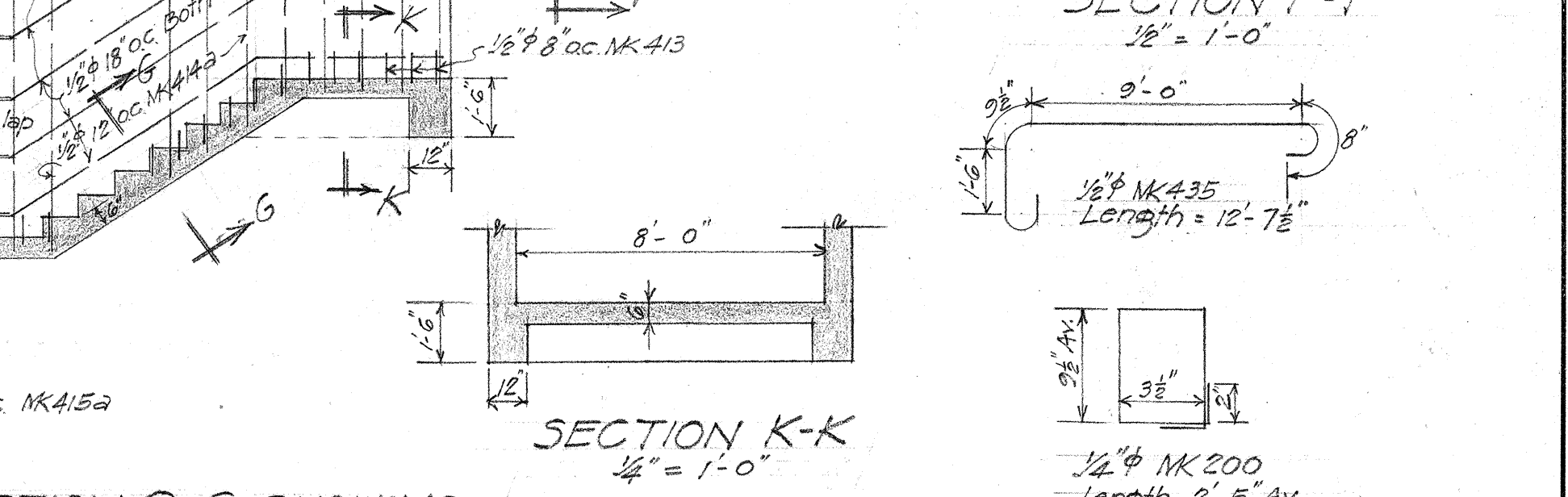
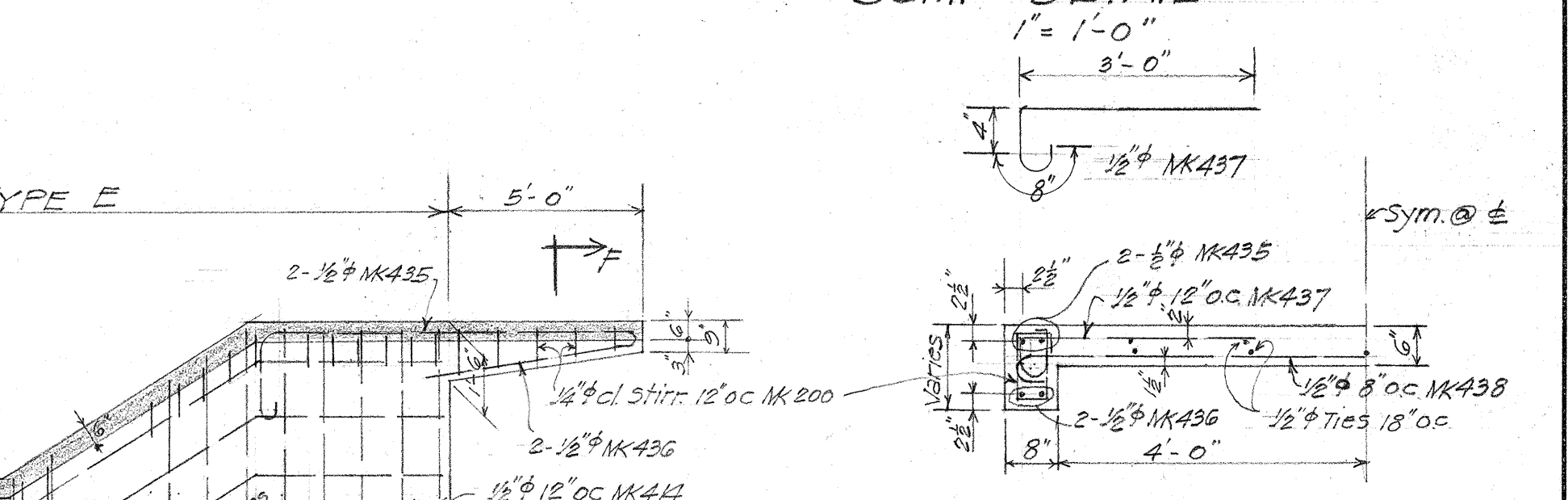
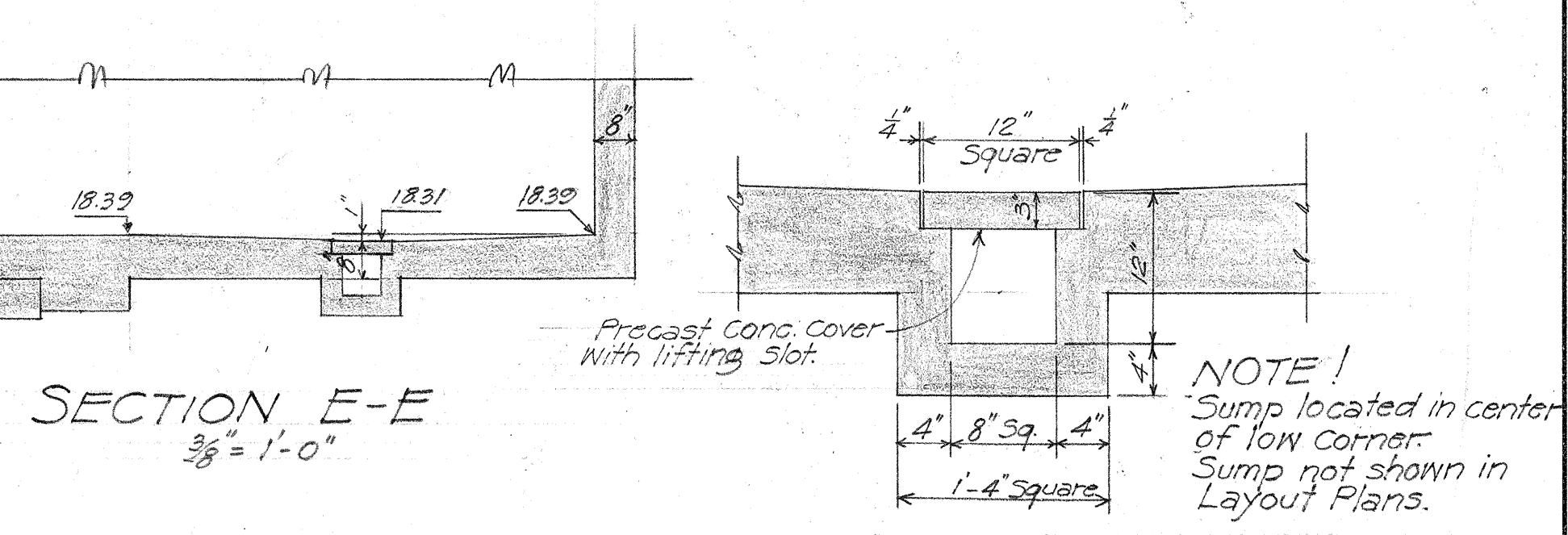
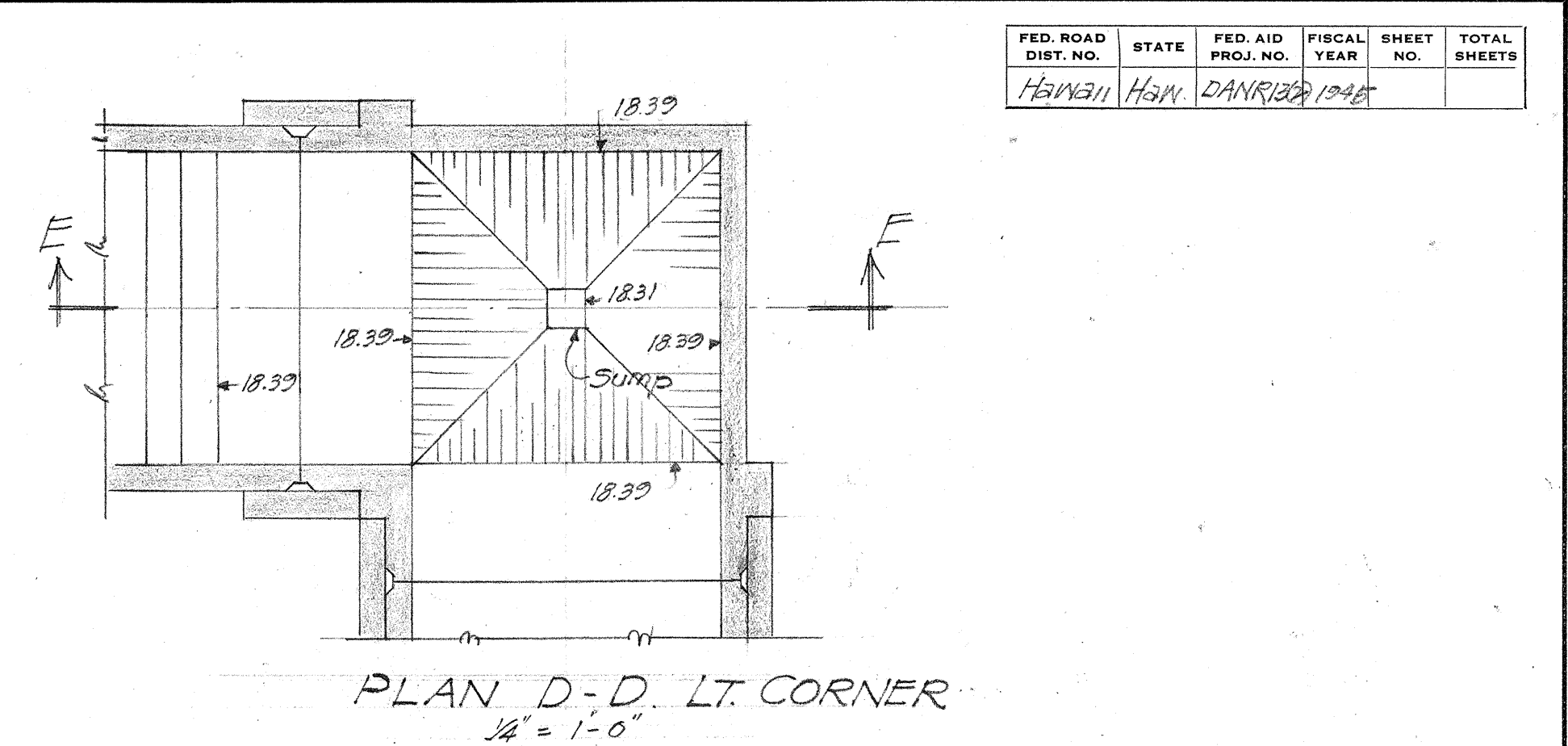
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
PEDESTRIAN UNDERPASS
Sta 222+25
KAM HY. DANR-13(2)
Feb. 1945

Rev. 6-29-45. Conduit Outlet shown.

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES CHECKED BY	
NOTE BOOK	
No.	



ESTIMATED QUANTITIES			
	CLASS A-1 CONCRETE	REINF STEEL	STR. EXC.
TUNNEL	75.55 C.Y.	10,102 Lb.	101.8 C.Y.
CORNER-RIGHT	10.66 "	1643 "	17.8
CORNER-LEFT	10.66 "	1643 "	10.9
STAIRWAY-RIGHT	23.50 "	2470 "	30.2
STAIRWAY-LEFT	27.40 "	2696 "	41.9
TOTAL	147.77 "	18,554 Lb.	202.6 C.Y.

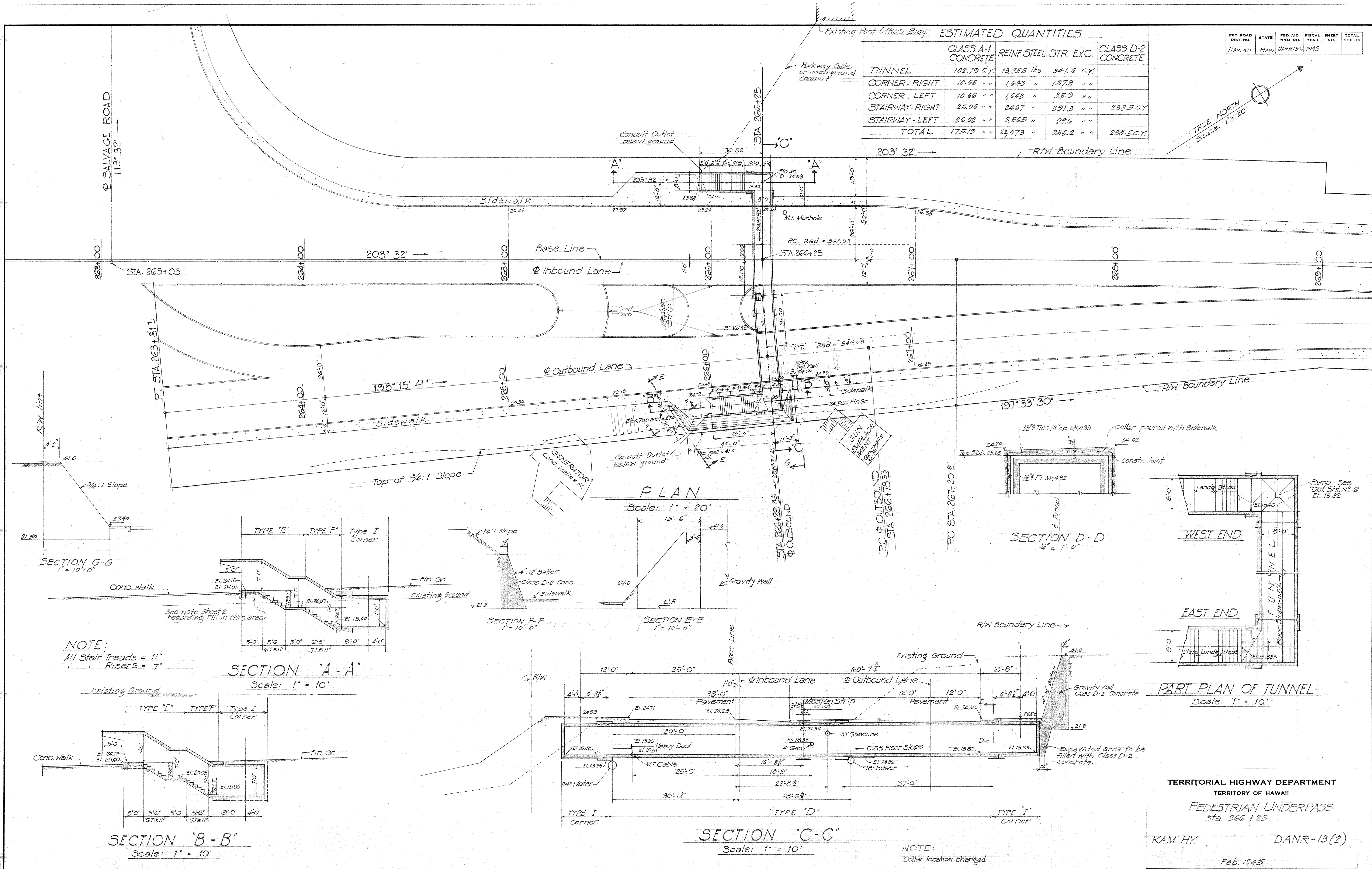


ESTIMATED QUANTITIES			
	CLASS A-1 CONCRETE	REINF STEEL	STR. EXC.
TUNNEL	75.55 C.Y.	10,102 Lb.	101.8 C.Y.
CORNER-RIGHT	10.66 "	1643 "	17.8
CORNER-LEFT	10.66 "	1643 "	10.9
STAIRWAY-RIGHT	23.50 "	2470 "	30.2
STAIRWAY-LEFT	27.40 "	2696 "	41.9
TOTAL	147.77 "	18,554 Lb.	202.6 C.Y.

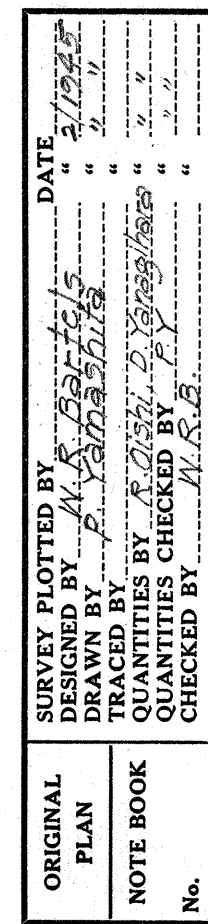
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
PEDESTRIAN UNDERPASS
Sta. 248+10
KAM. HY. DANR-13 (2)
Feb 1945

Rev. 6-20-45. Conduit Outlet Shown.

SURVEY PLOTTED BY: DATE: 1/23/46
DRAWN BY: A. W. 1/23/46
CHECKED BY: J. W. 1/23/46
QUANTITIES CHECKED BY: J. W. 1/23/46
ORIGINAL PLAN NO. 5143.28
NOTE BOOK NO. 1000

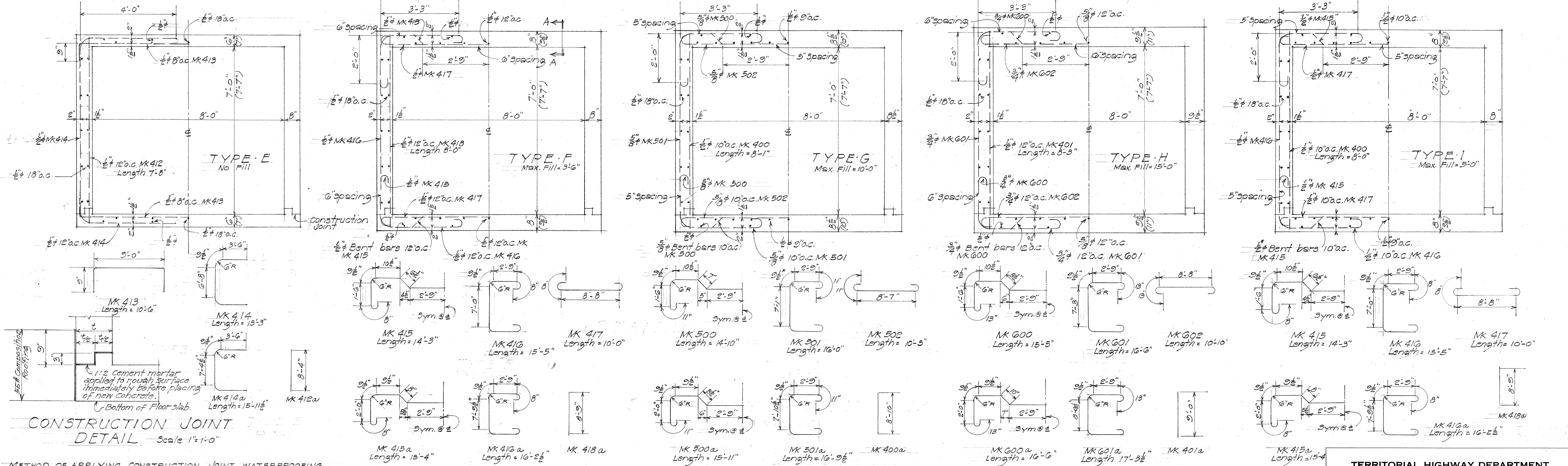
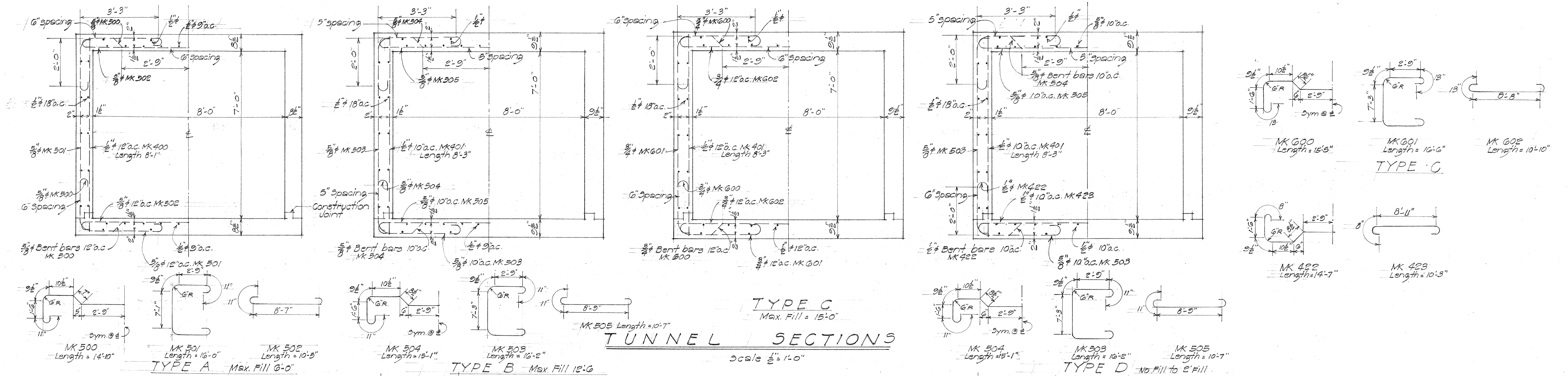


TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
PEDESTRIAN UNDERPASS
Sta. 266+25
KAM. HY. DANR-13(2)
Feb. 1945



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
PEDESTRIAN UNDERPASS
Sta 276 +47
KAM. HY. DANR-13 (2)
Feb. 1945

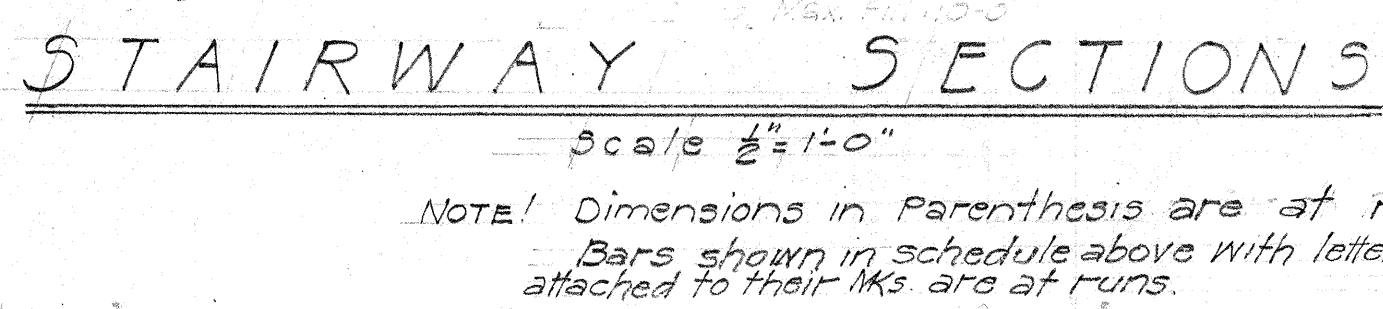
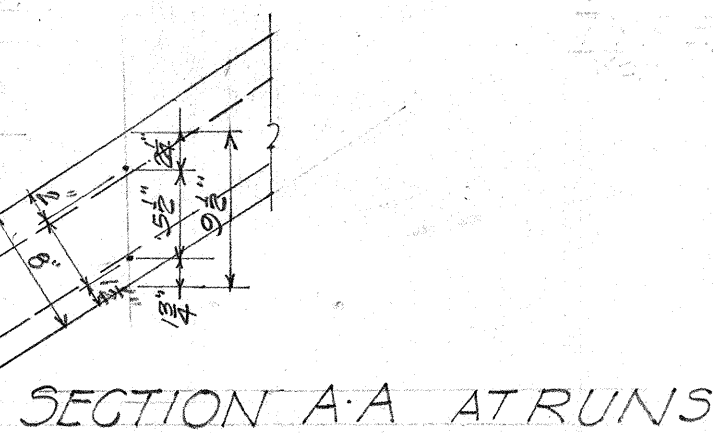
5143.28A



CONSTRUCTION JOINT DETAIL Scale 1" = 1'-0"

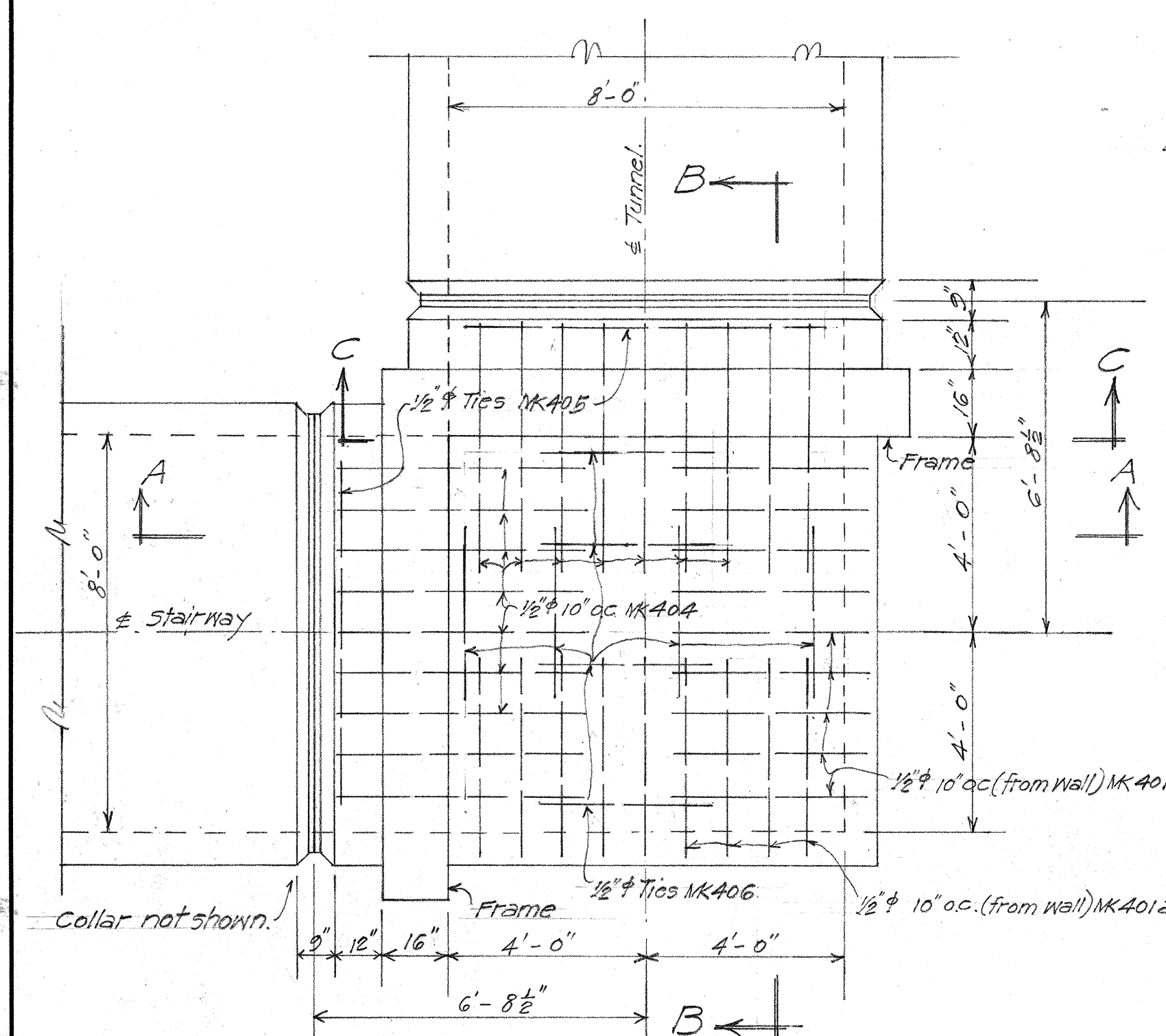
METHOD OF APPLYING CONSTRUCTION JOINT WATERPROOFING

- Map surface 12" either side of joint with hot asphalt 85-100 penetration applied at 200°F
- Apply one layer of 55# Composition Roofing to hot asphalt
- Map entire surface of composition roofing and 3" beyond with thick coat of asphalt as specified in (1).

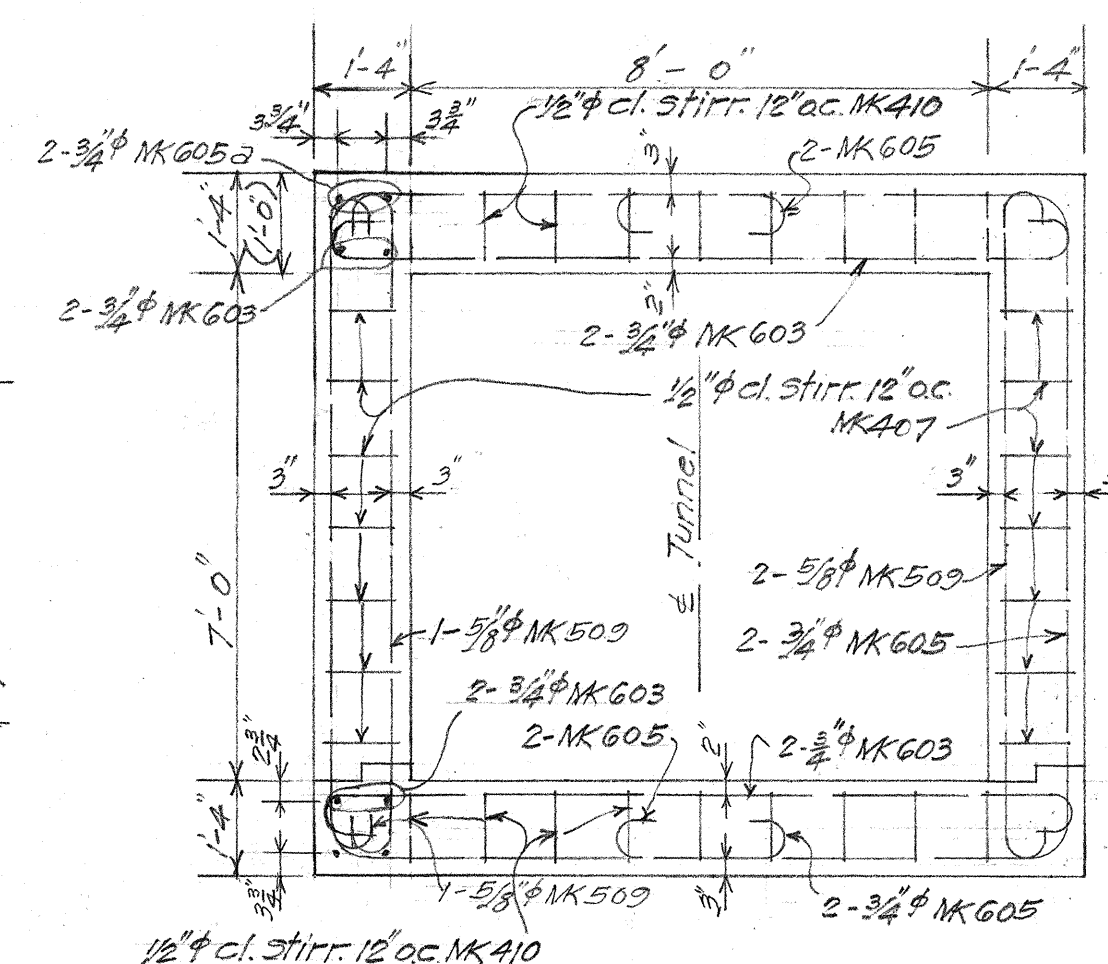


TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
PEDESTRIAN UNDERPASS
TUNNEL & STAIRWAY SECTIONS.
KAM HY. DANR 13(2)
Feb 1945
SHEET No 5 OF 7 SHEETS

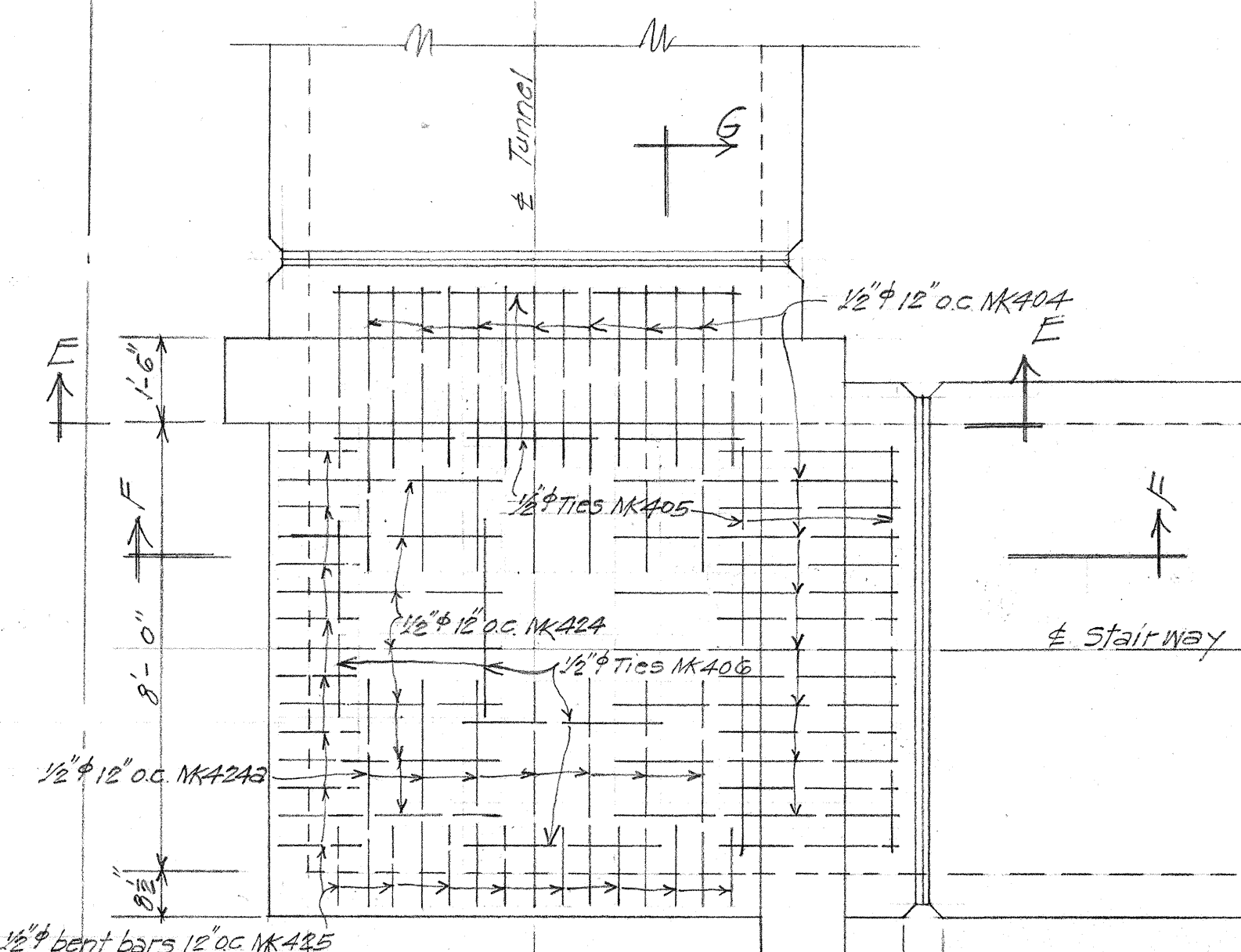
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
Hawaii	Haw	DANR132	1945		



CORNER PLAN TYPE I
Scale. $\frac{3}{8}'' = 1'-0''$
5' Fill Maximum.

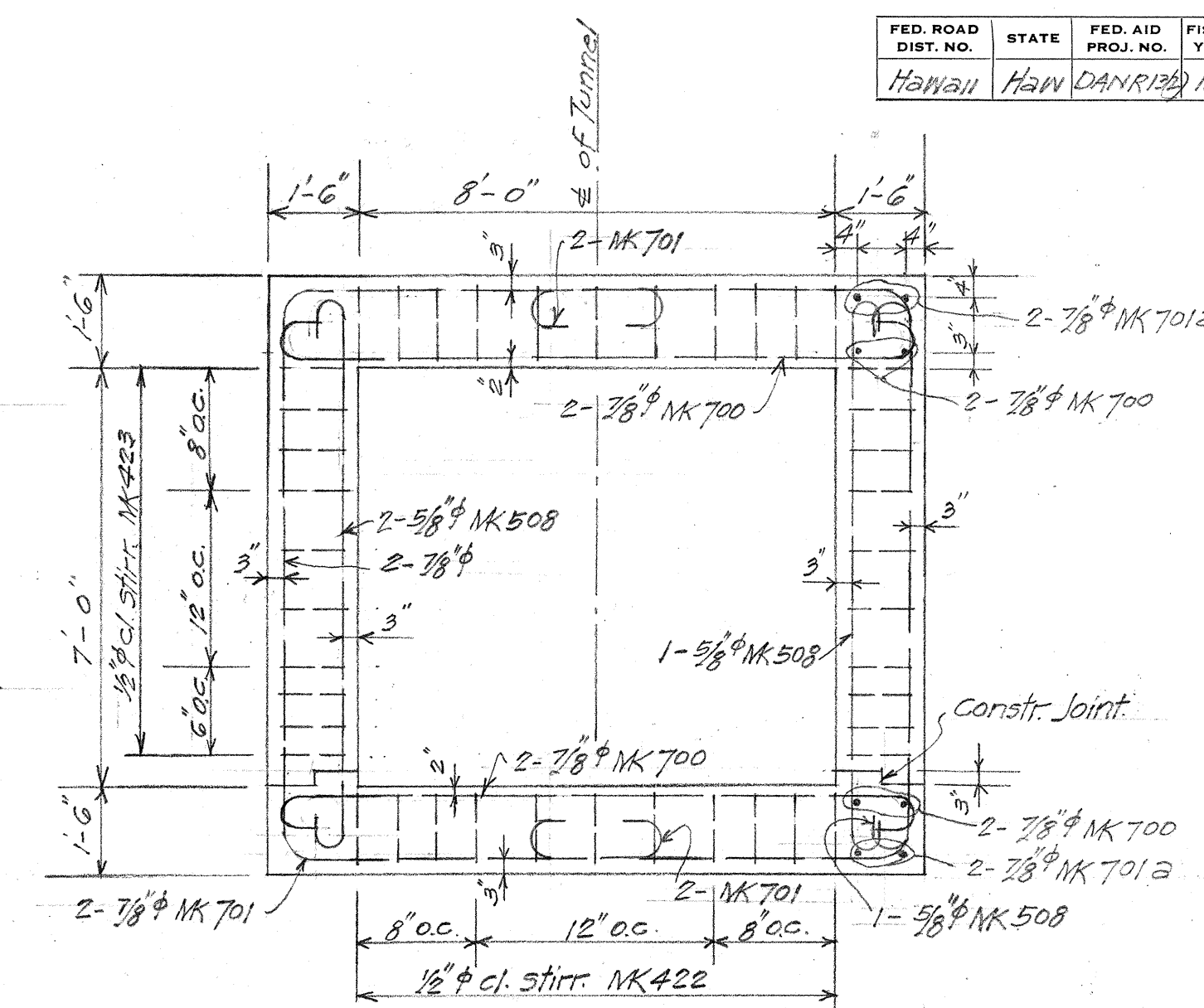


CORNER FRAME REINF. SEC. C-C
 $\frac{3}{8}'' = 1'-0''$

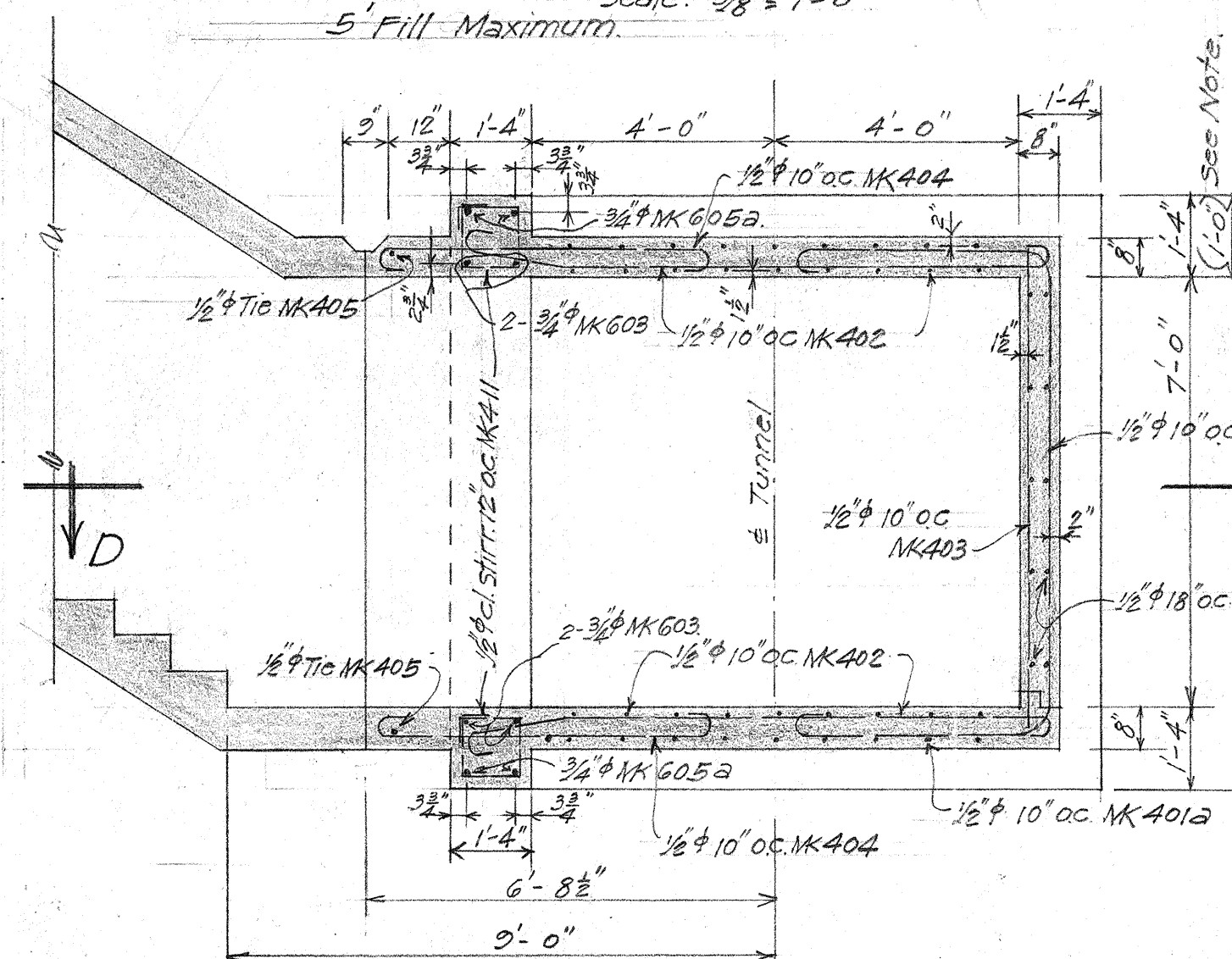


CORNER PLAN. TYPE II

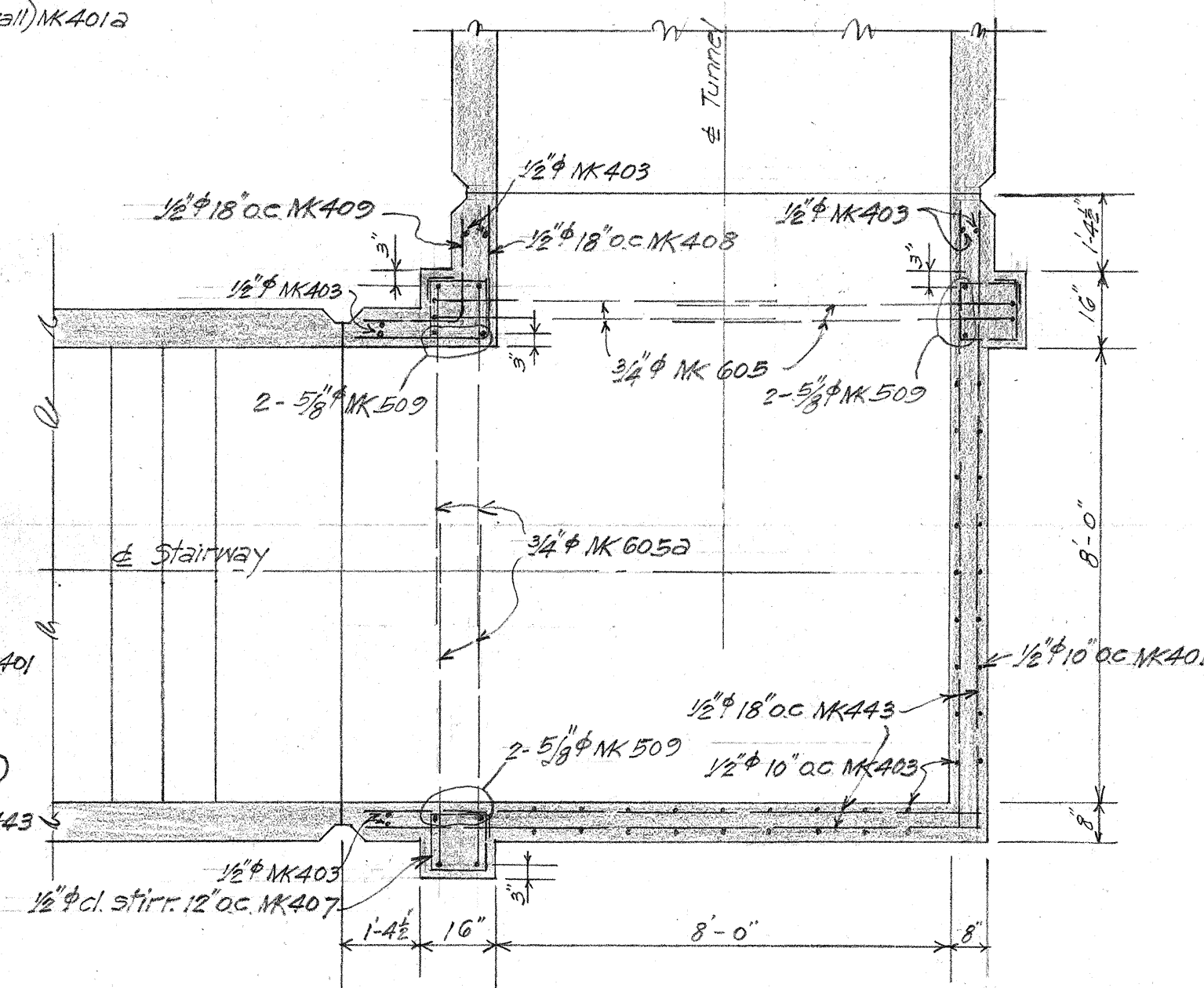
10' Maximum Fill.
 $\frac{3}{8}'' = 1'-0''$
 Sta. 222+25 Right corner Top Slab Top reinf. shown



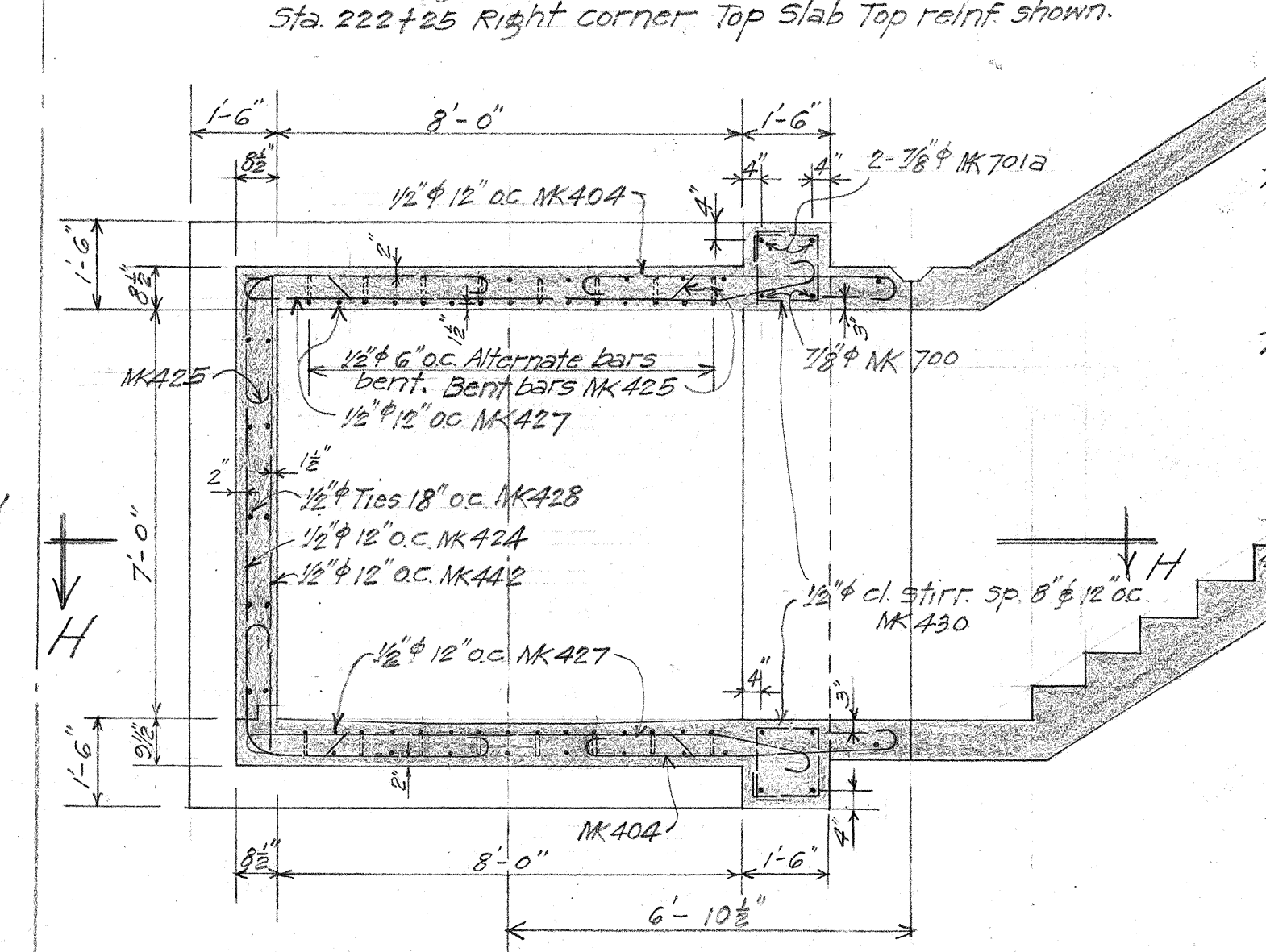
FRAME REINF SEC. E-F
TYPE "II" AND TYPE "III"



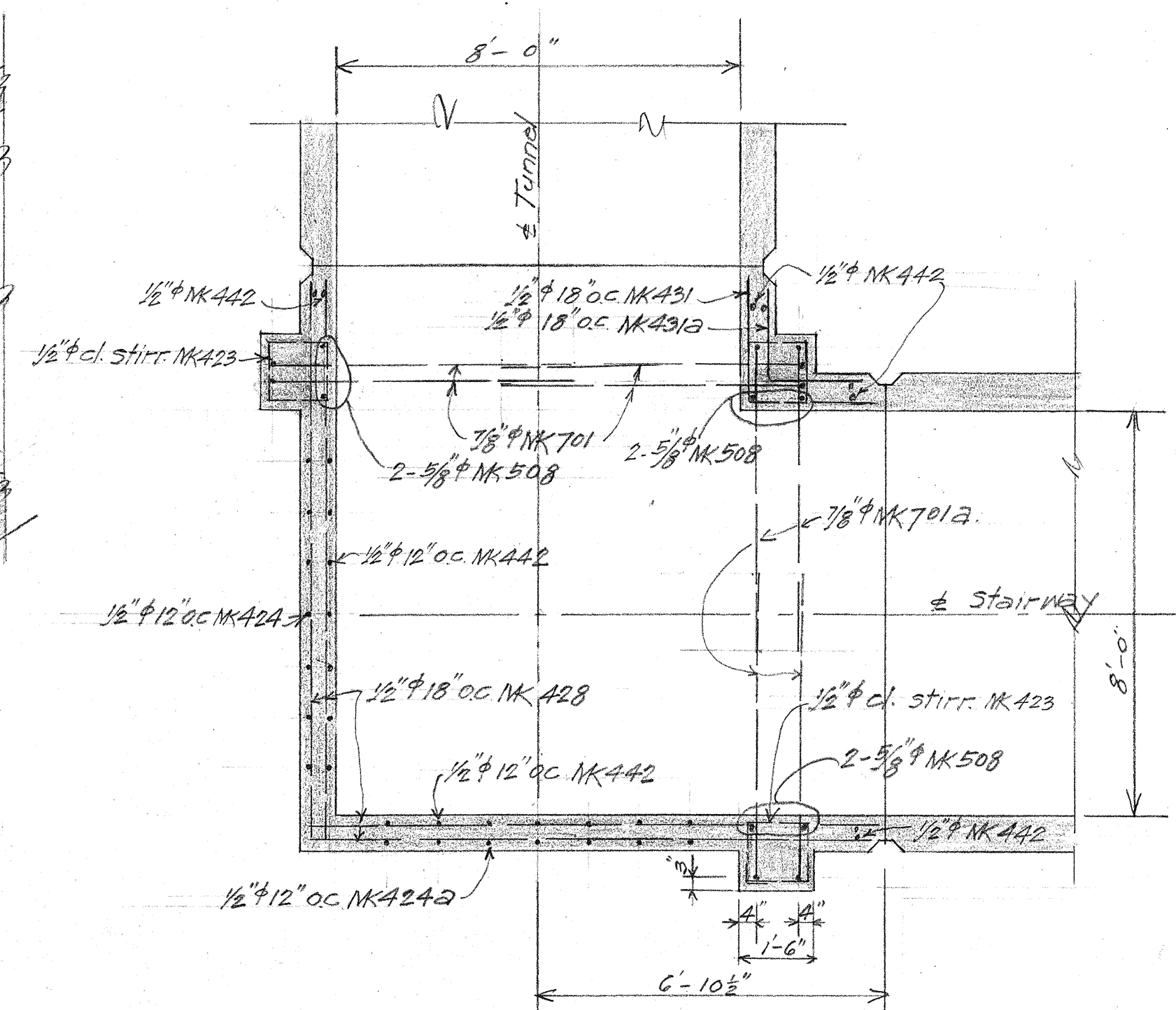
SECTION A-A
Scale $\frac{3}{8}'' = 1'-0''$



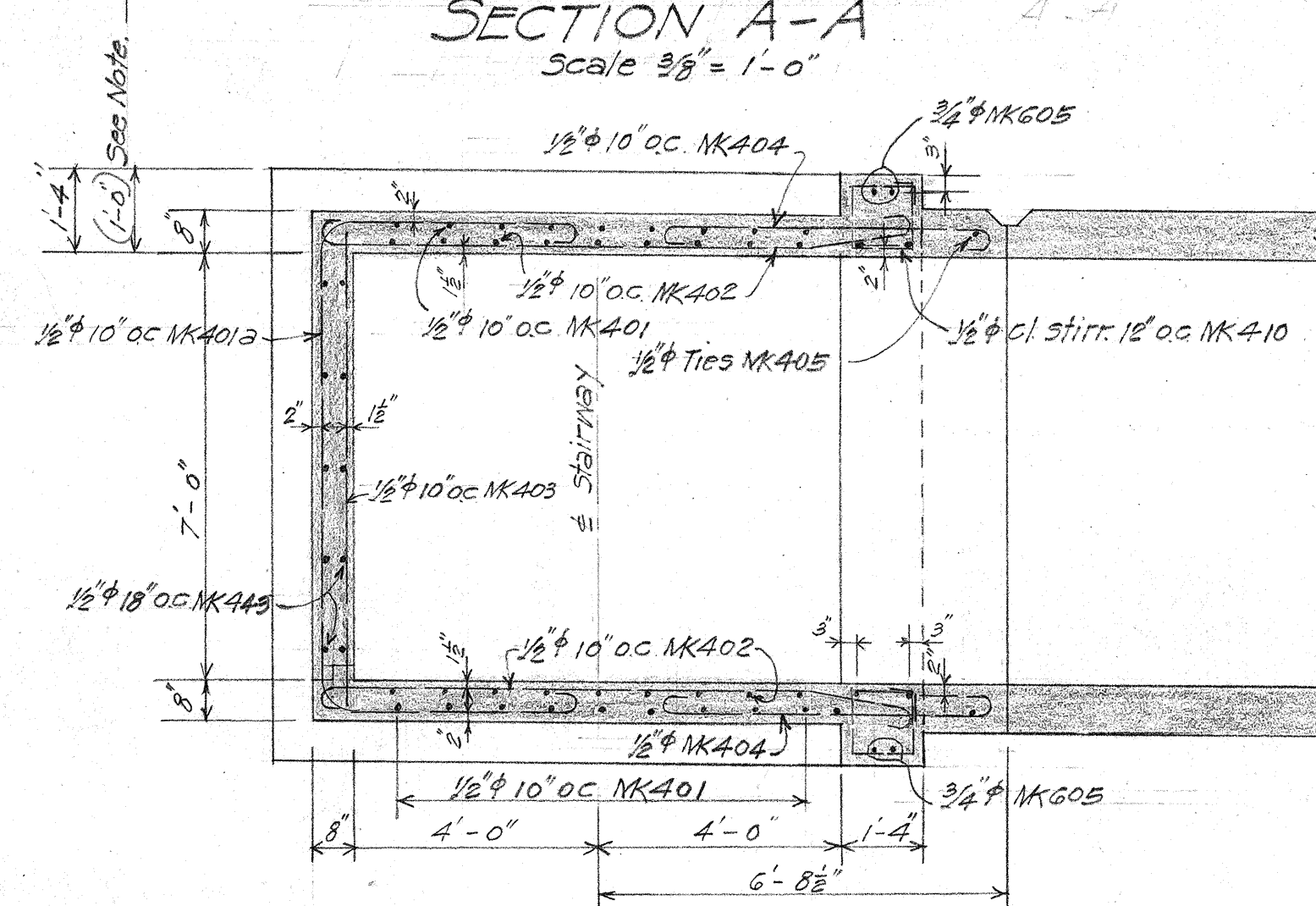
HORIZONTAL SECTION D-D



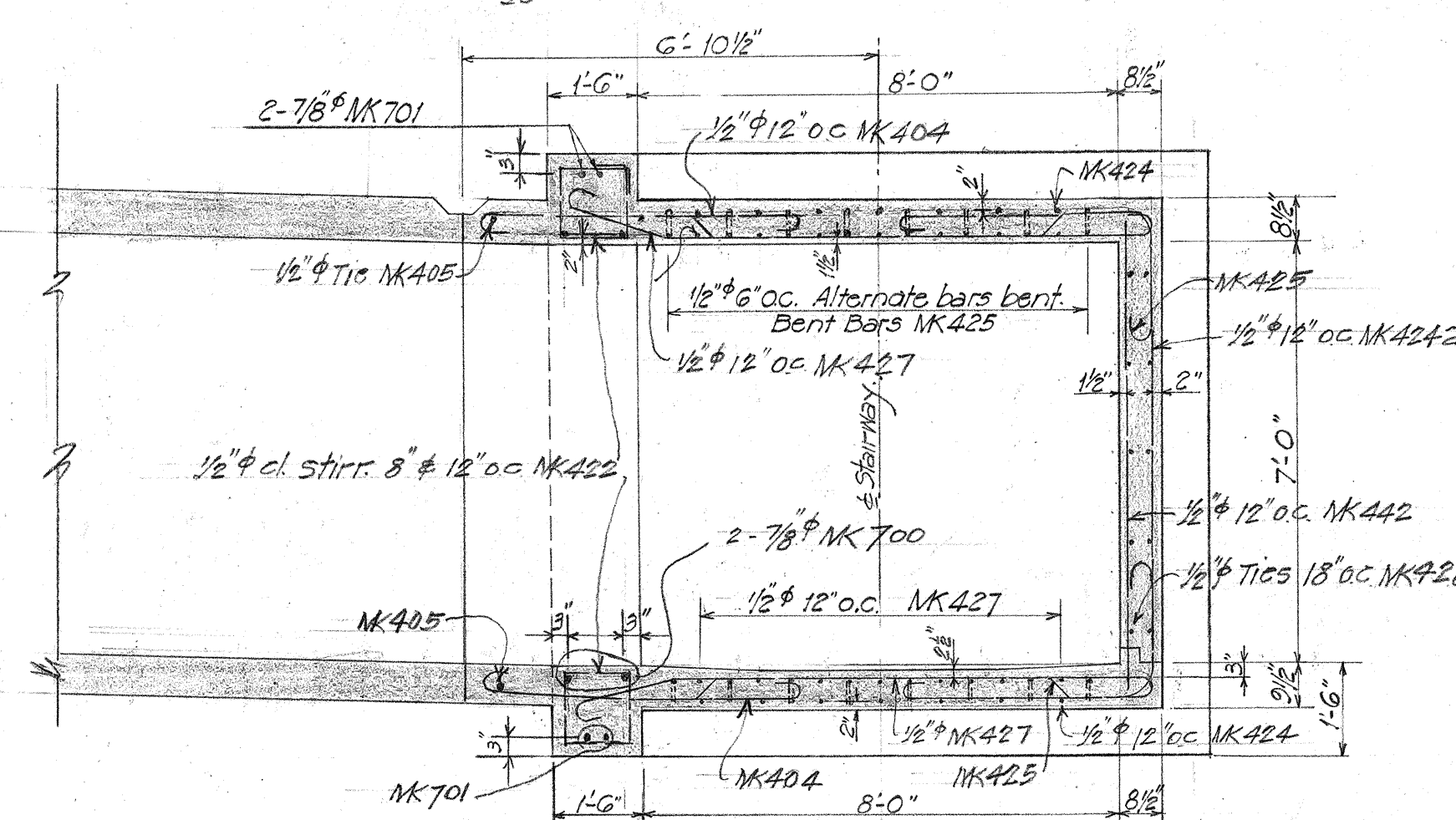
SECTION F-F
3/8" = 1'-0"



HORIZONTAL SECTION H-H.
3/8" = 1'-0"



SECTION B-B
 $\frac{3}{8}'' = 1'-0''$



SECTION G-G
3/8" = 1'-0"

Note!
For Sta 266+25 right corner, change
Frame depth at top from 1'-4" to 1'-0" to get
Frame below top sidewalk elevation.
Reduce vertical lengths of MK 605 and
MK410 accordingly.

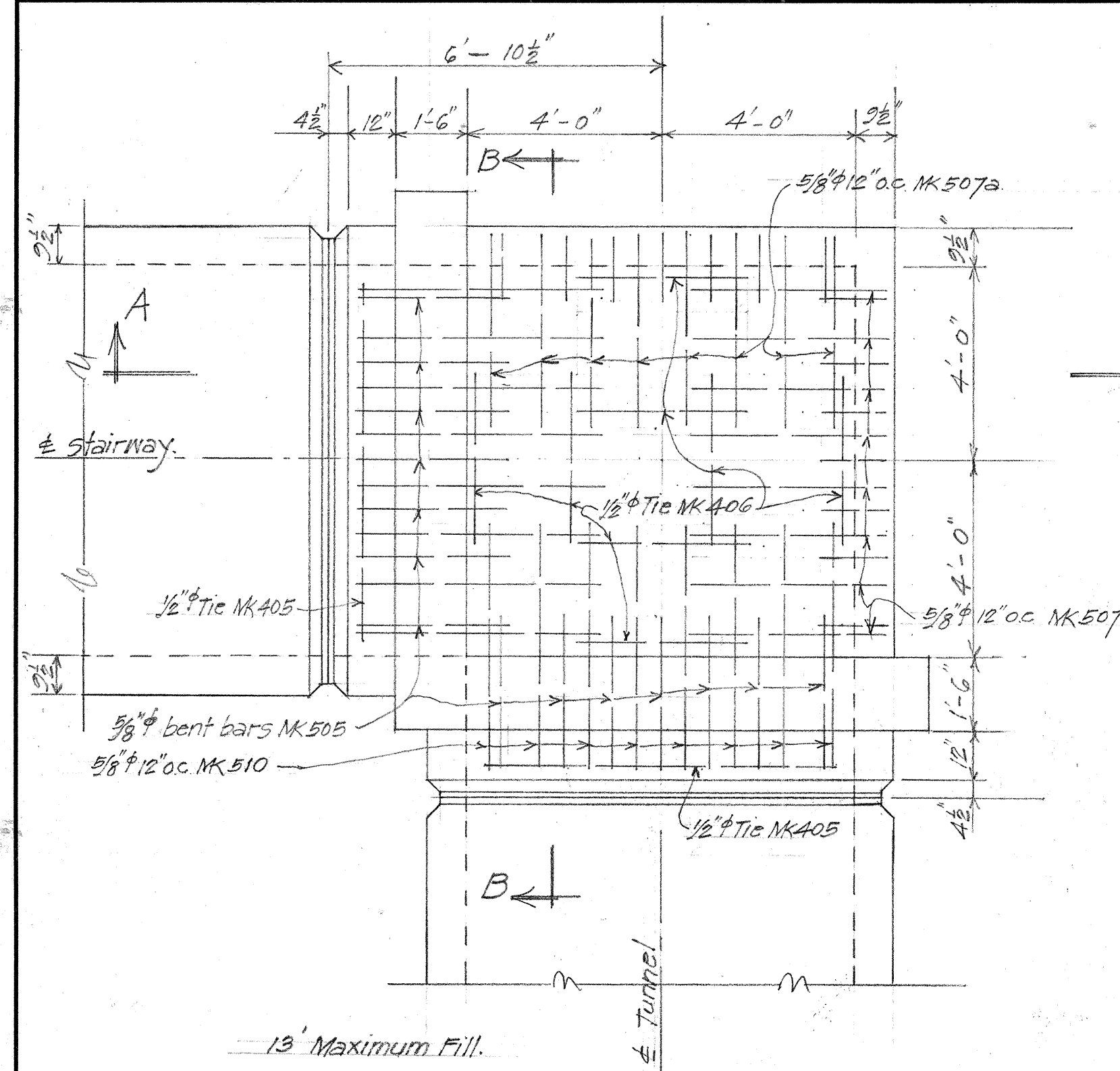
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
PEDESTRIAN UNDERPASS
CORNER DETAILS
KAM HY. DANR-13 (2)

Feb 1945

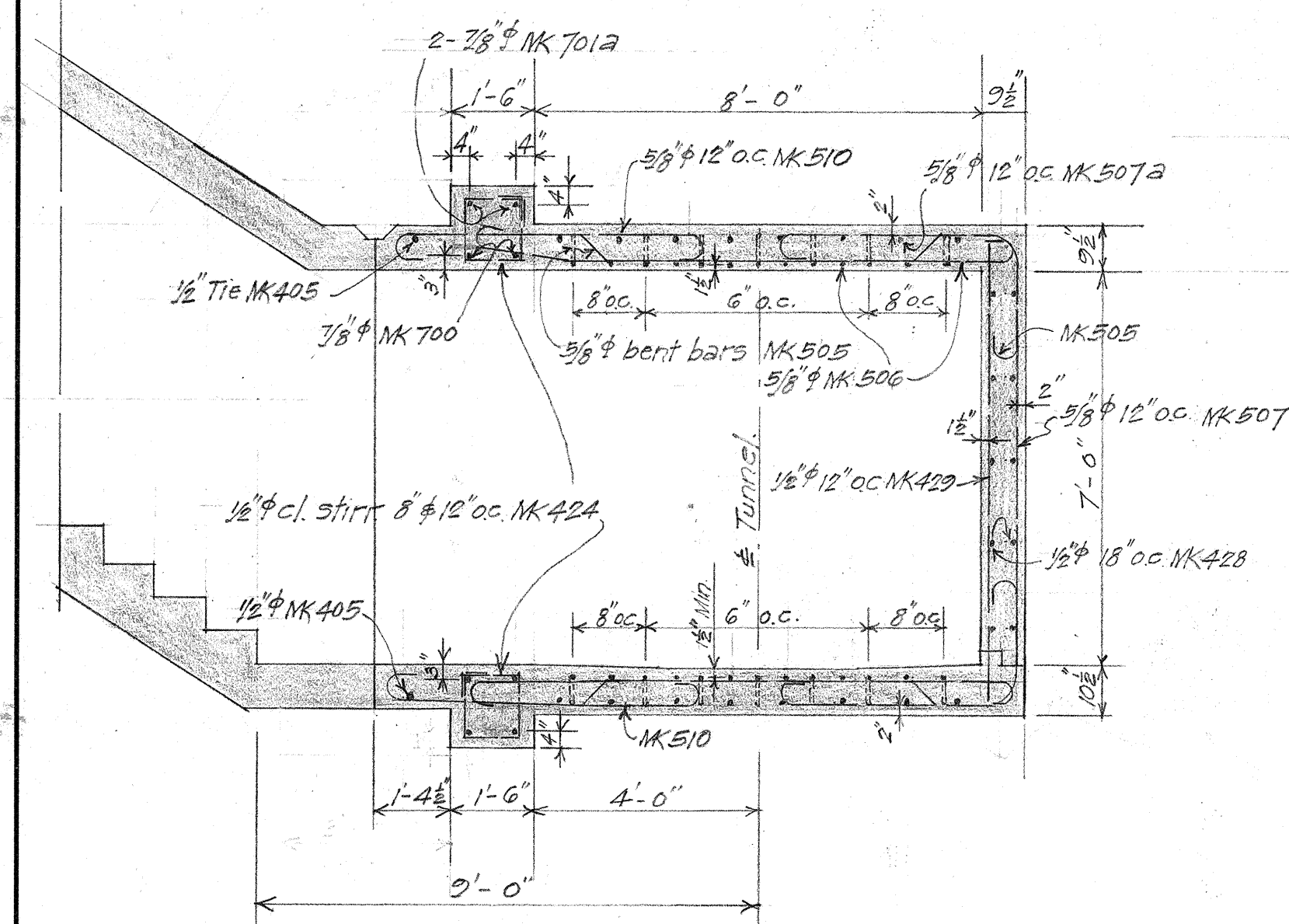
SHEET No 6 OF 7 SHEETS

5 1 4 3 . 2 8 C

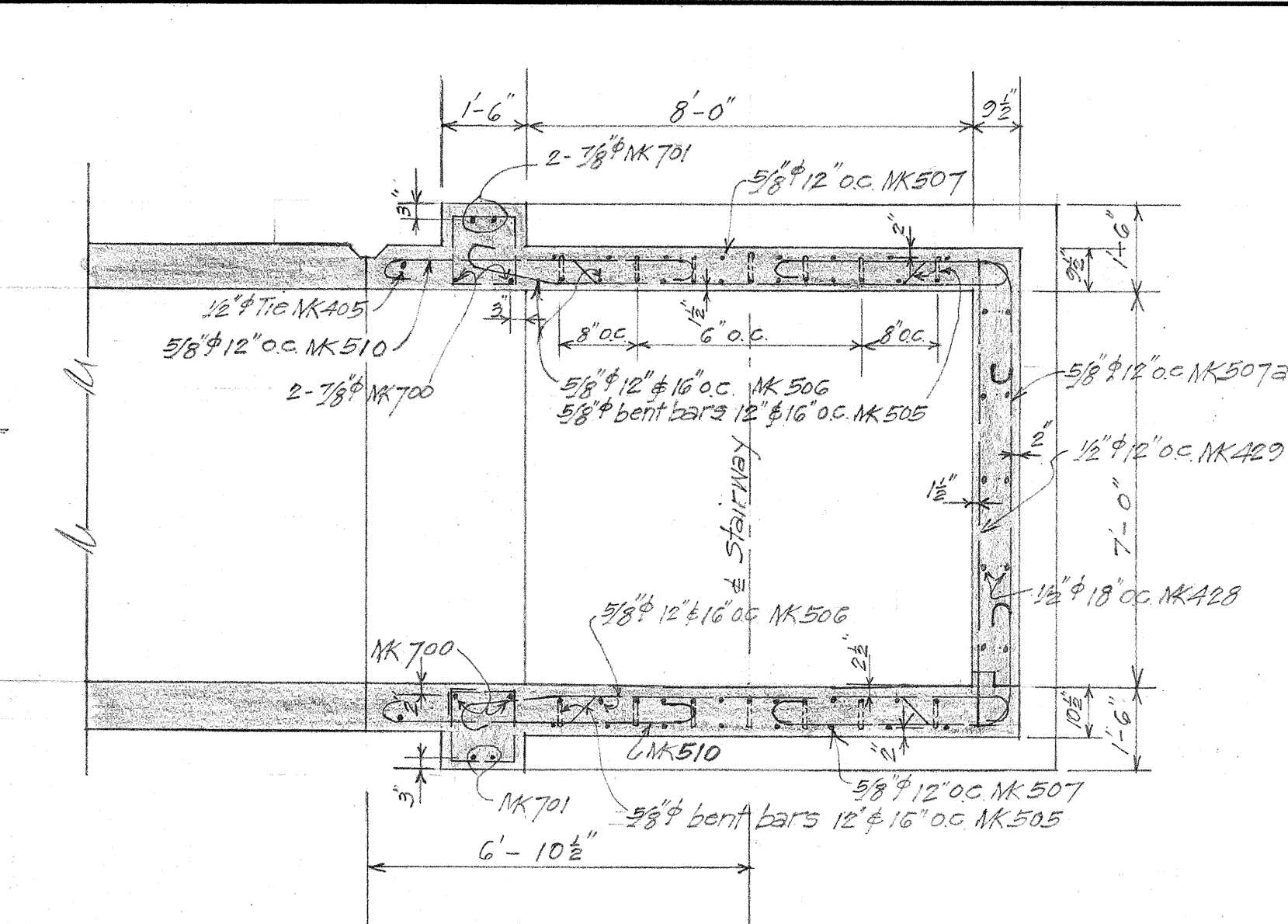
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	DANR-13	1945		



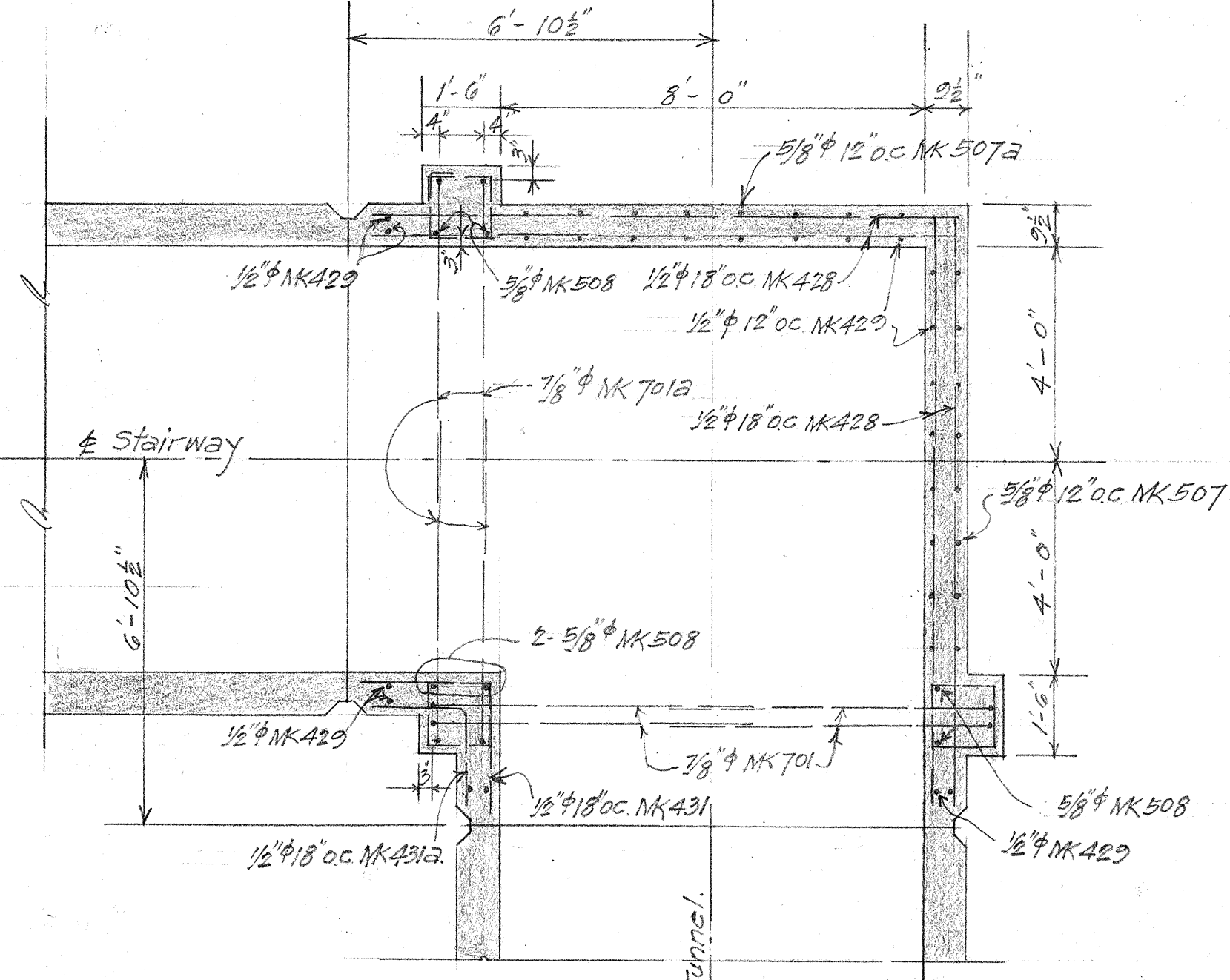
CORNER PLAN TYPE III
SHOWING TOP SLAB TOP REINF.
3/8" = 1'-0"



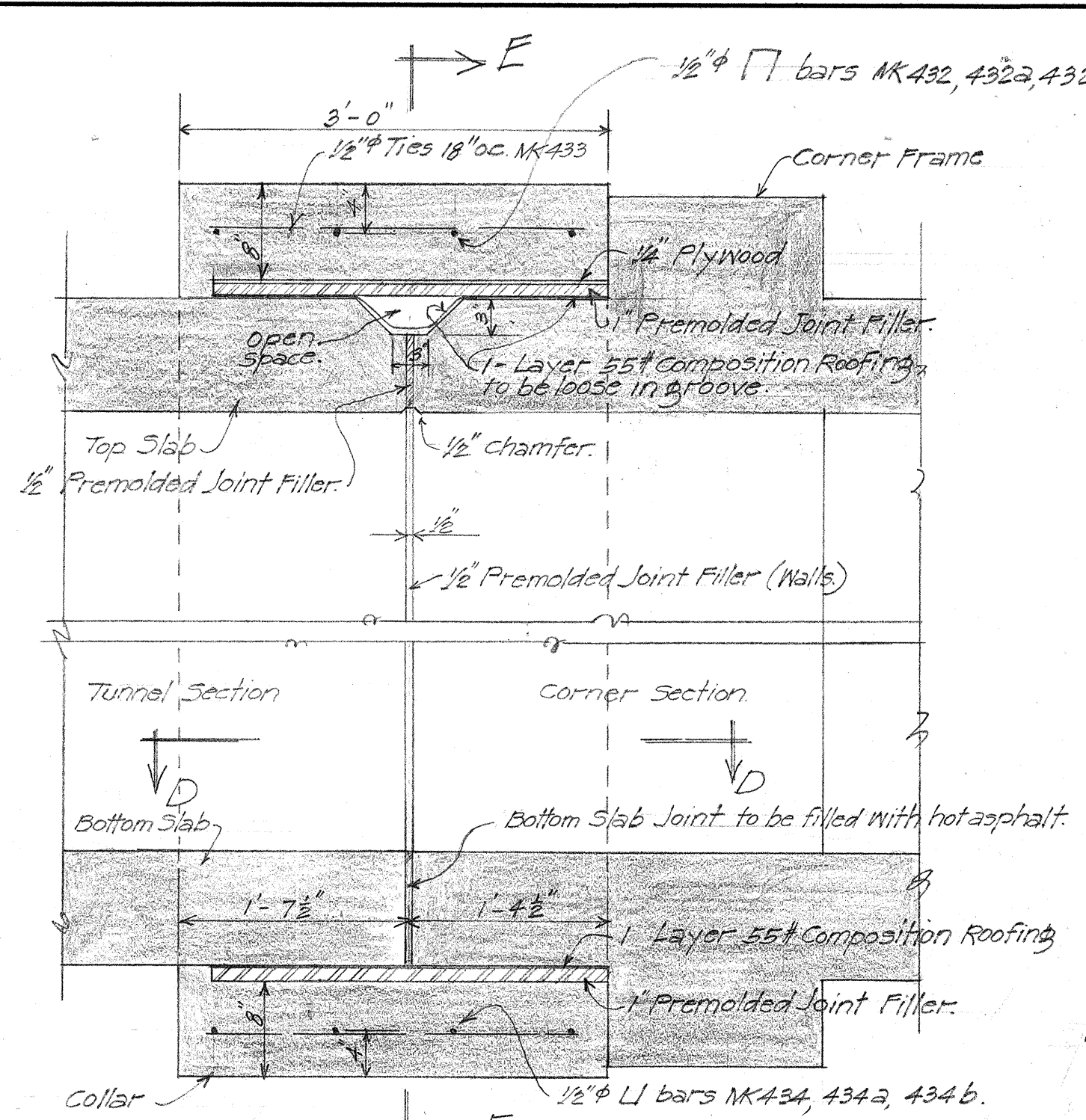
SECTION A-A
3/8" = 1'-0"



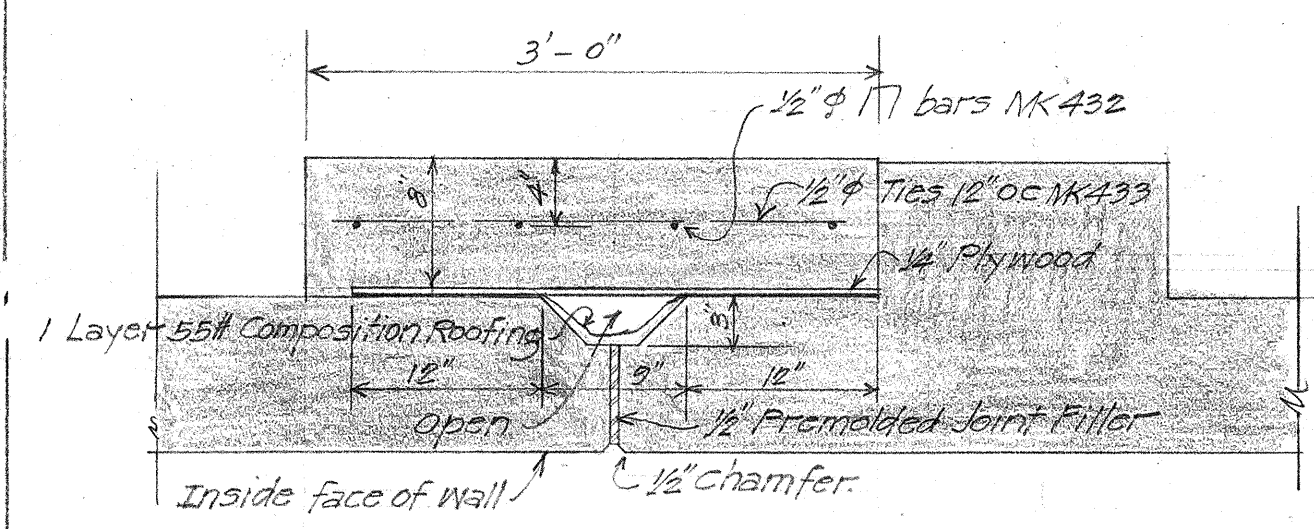
SECTION B-B
3/8" = 1'-0"



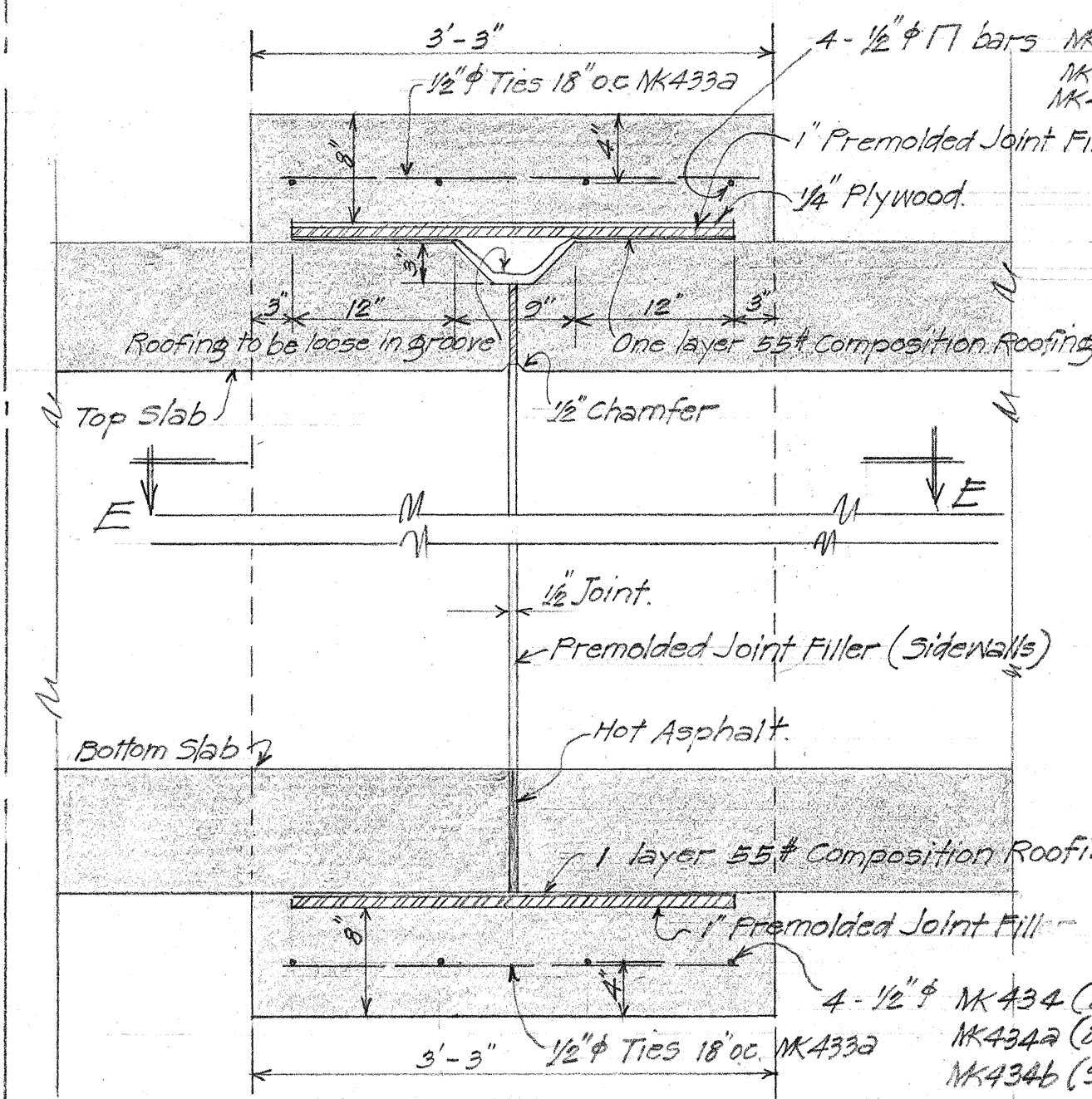
SECTION C-C
3/8" = 1'-0"



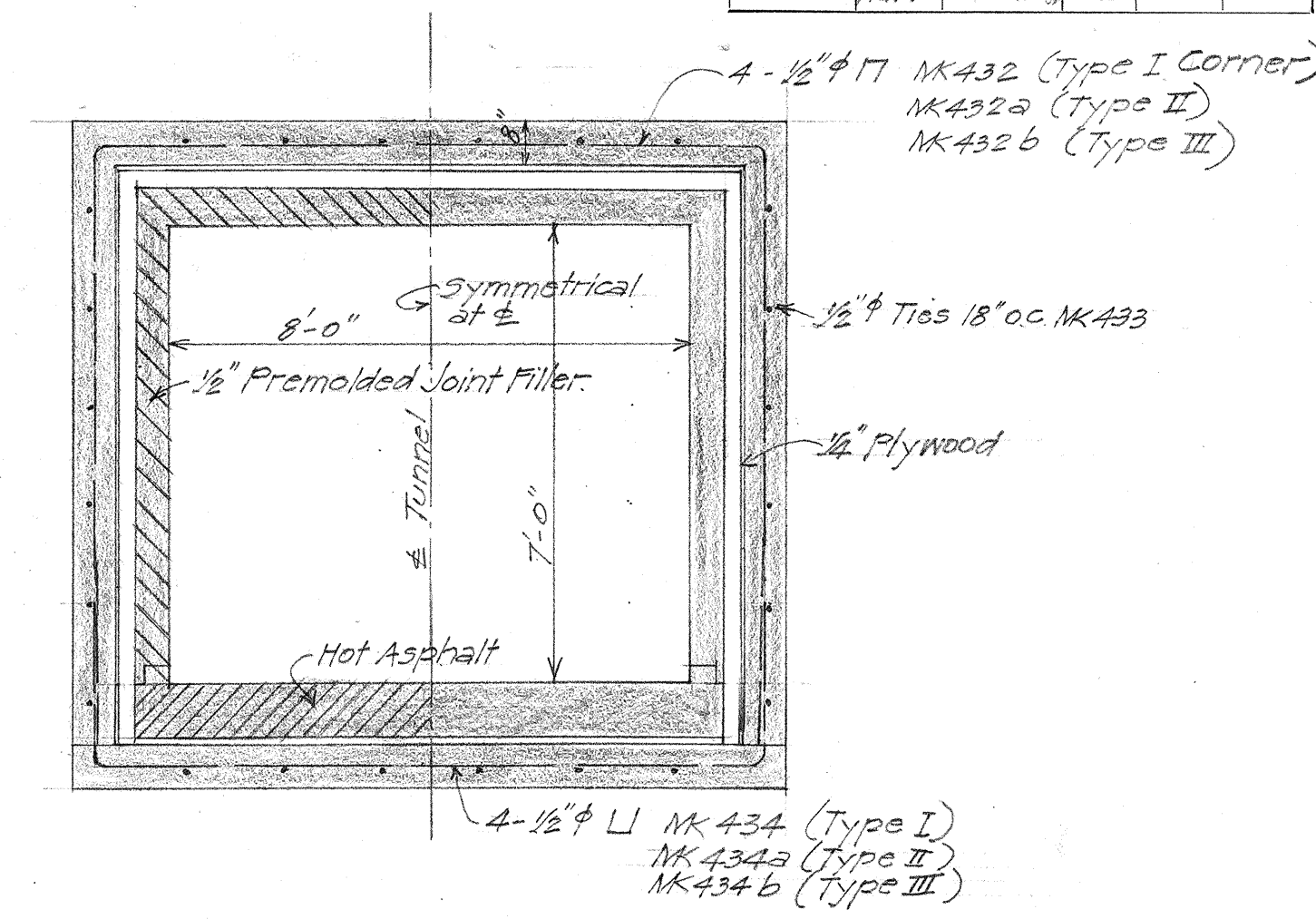
COLLAR DETAIL AT CORNER
1" = 1'-0"



SECTION D-D
1" = 1'-0"

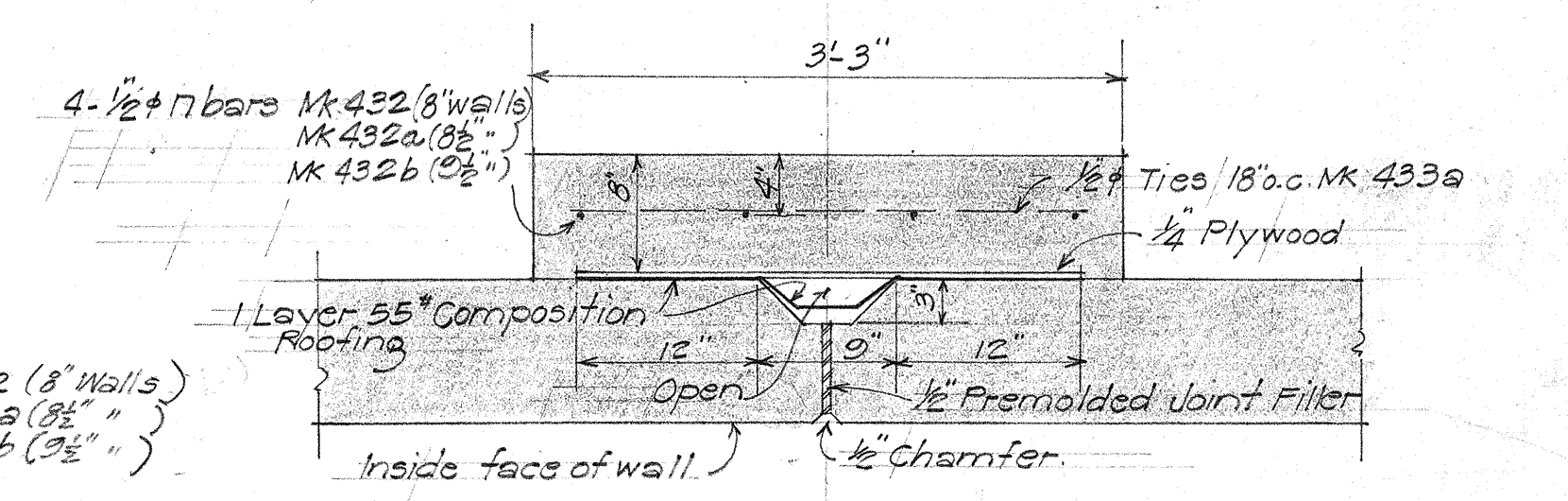


COLLAR DETAIL IN TUNNEL & STAIRWAY
1" = 1'-0"



SECTION E-E
3/8" = 1'-0"

- METHOD OF PLACING ROOFING AT TOP SLAB AND SIDE WALLS.
1. Map surface either side of groove with asphalt 85-100 penetration applied at 200° F.
 2. Apply one layer of 55# composition roofing to hot asphalt, keeping that part of roofing over groove loose.
 3. Map surface of composition roofing with hot asphalt.
 4. Place Premolded Joint Filler (top slab) or Plywood (sidewalls) on mapped surface of roofing.



SECTION E-E
3/8" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
PEDESTRIAN UNDERPASS
CORNER AND COLLAR DETAILS.
KAM HY. DANR-13(2)
Feb 1945
SHEET No 7 OF 7 SHEETS

5143.2SD

ORIGINAL PLAN	DATE
NOTED BY	1/2/45
TRACED BY	1/2/45
QUANTITIES CHECKED BY	1/2/45
CHECKED BY	1/2/45