

TRANSPORTATION AND

EXPRESSWAYS

NORTHWEST ROUTE SUPERHIGHWAY

ORIGINAL

Plans

for

016-
2057

**Railroad Grade Separation,
W. Wayman Street to W. Kinzie Street**

SECTION 0202.4-1

F.A.I. ROUTE 2 PROJECT 1-02-2 (55)

**CITY OF CHICAGO
RICHARD J. DALEY
Mayor**

Prepared by
**DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING**

**GEORGE DE MENT
Commissioner**

**DICK VAN GORP
Chief Engineer**

Issued by
DEPARTMENT OF PURCHASES, CONTRACTS AND SUPPLIES

**JOHN F. WARD
Purchasing Agent**

NOVEMBER 1957

STATE OF ILLINOIS
 CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

PLANS FOR
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 SECTION 0202.4-1

F.A.I. ROUTE NO.2 PROJECT 1-02-2(55)

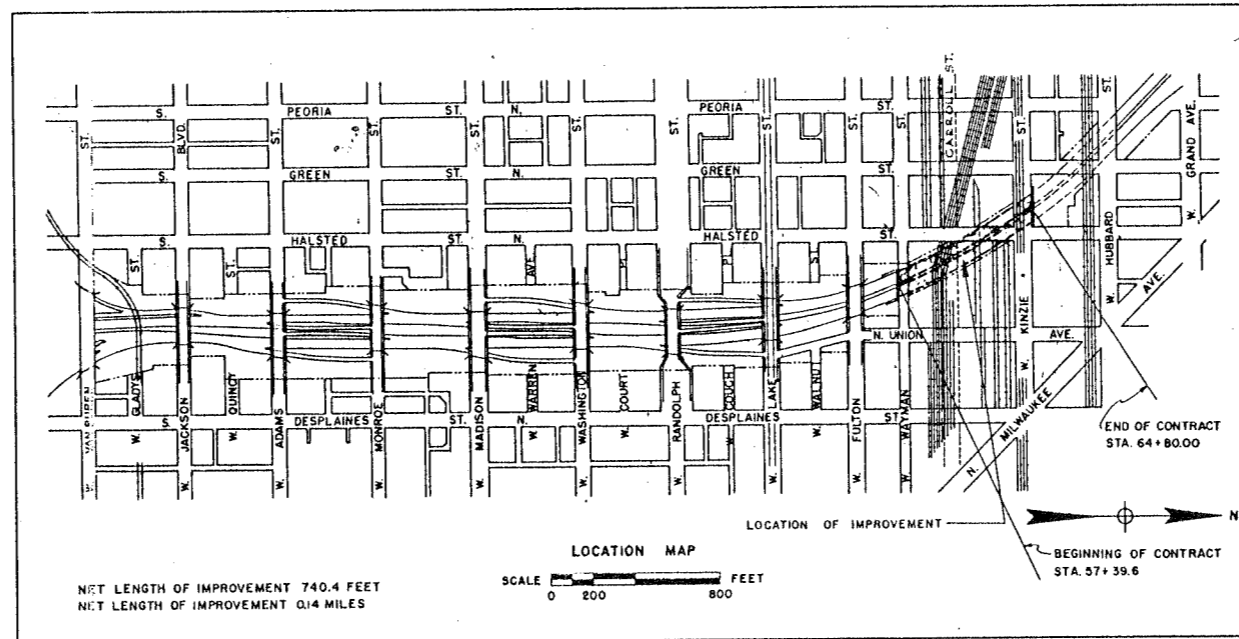
CONVENTIONAL SIGNS

STRUCTURES NOT IN CONTRACT

MANHOLES	DUCT & PIPE LINES	
E	-----	COMMONWEALTH EDISON CO.
C	-----	CITY OF CHICAGO-DEPT. OF STREETS AND ELECTRICITY
CE	-----	COMMONWEALTH EDISON VAULT
S	-----	CITY SEWER
W	-----	CITY WATER
G	-----	PEOPLES GAS LIGHT & COKE CO.
	⊙	FIRE HYDRANT
	□ CB	CATCH BASIN
	□ AD	AREA DRAIN
	D	DEPTH OF INVERT OF MANHOLE BELOW EXISTING GRADE

STRUCTURES IN CONTRACT

-----	EXPANSION JOINT FOR PAVEMENT OR SIDEWALK
-----	EXISTING PAVEMENT, SIDEWALK, CURB AND GUTTER TO BE REMOVED
-----	ELEVATION AT POINT SHOWN ON TOP OF PAVEMENT
●	MANHOLE TO BE CONSTRUCTED
○	MANHOLE EXISTING
⊙	MANHOLE TO BE REMOVED
●	CATCH BASIN TO BE CONSTRUCTED
○	CATCH BASIN EXISTING
●	CATCH BASIN TO BE REMOVED
⊙	INLET TO BE CONSTRUCTED AT CATCH BASIN
□	ELECTRICAL MANHOLE TO BE CONSTRUCTED
-----	SEWER SIZE, MATERIAL, SLOPE LENGTH
-----	INLET TO BE CONSTRUCTED



NET LENGTH OF IMPROVEMENT 740.4 FEET
 NET LENGTH OF IMPROVEMENT 0.14 MILES

PREPARED FOR
 THE CITY OF CHICAGO
 BY
 DELEUW, CATHER & CO.
 CONSULTING ENGINEERS

PLANS APPROVED
 BY THE STATE DIVISION OF HIGHWAYS

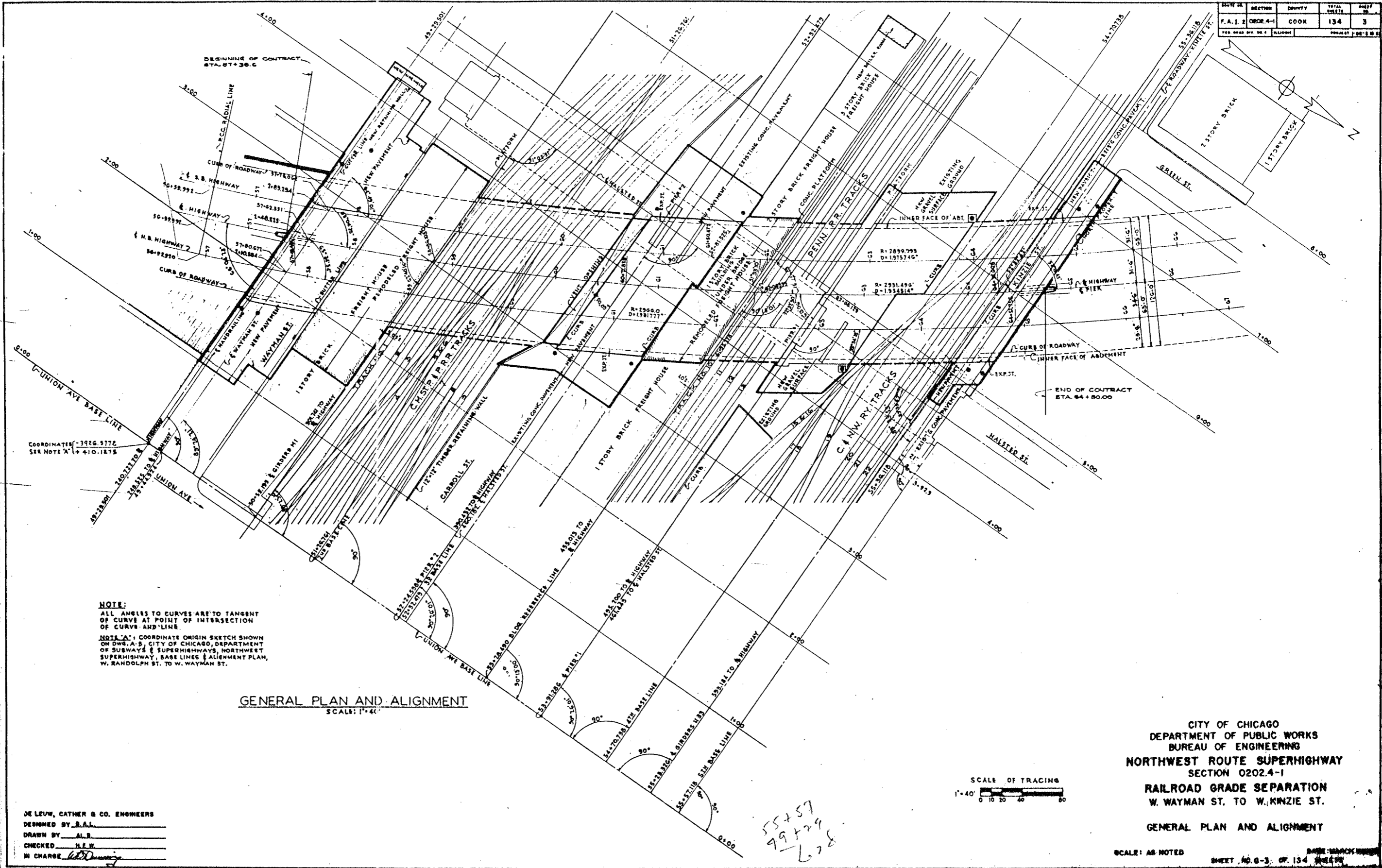
APPROVED AS TO SEWER ALTERATIONS AND ADDITIONS
 [Signature]
 CHIEF ENGINEER OF SEWERS
 [Signature]
 DEPUTY FOR SEWERS

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 DATE JANUARY 23, 1957
 APPROVED [Signature] ASST. CHIEF ENGINEER
 APPROVED [Signature] CHIEF ENGINEER
 APPROVED [Signature] SUPERVISOR

THE DEPARTMENT OF
 PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
 APPROVED [Signature] 1957
 CHIEF HIGHWAY ENGINEER
 APPROVED [Signature]
 DIRECTOR

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS
 RECOMMENDED FOR APPROVAL
 DISTRICT ENGINEER DATE
 APPROVED [Signature]
 DIVISION ENGINEER DATE

SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P.A. 1-2	0202.4-1	COOK	134	3
PREPARED BY: H. L. COOK		PROJECT: P-202-10-1		



NOTE:
 ALL ANGLES TO CURVES ARE TO TANGENT OF CURVE AT POINT OF INTERSECTION OF CURVE AND LINE.
 NOTE 'A': COORDINATE ORIGIN SKETCH SHOWN ON DWG. A-3, CITY OF CHICAGO, DEPARTMENT OF SUBWAYS & SUPERHIGHWAYS, NORTHWEST SUPERHIGHWAY, BASE LINES & ALIGNMENT PLAN, W. RANDOLPH ST. TO W. WAYMAN ST.

GENERAL PLAN AND ALIGNMENT
 SCALE: 1"=40'

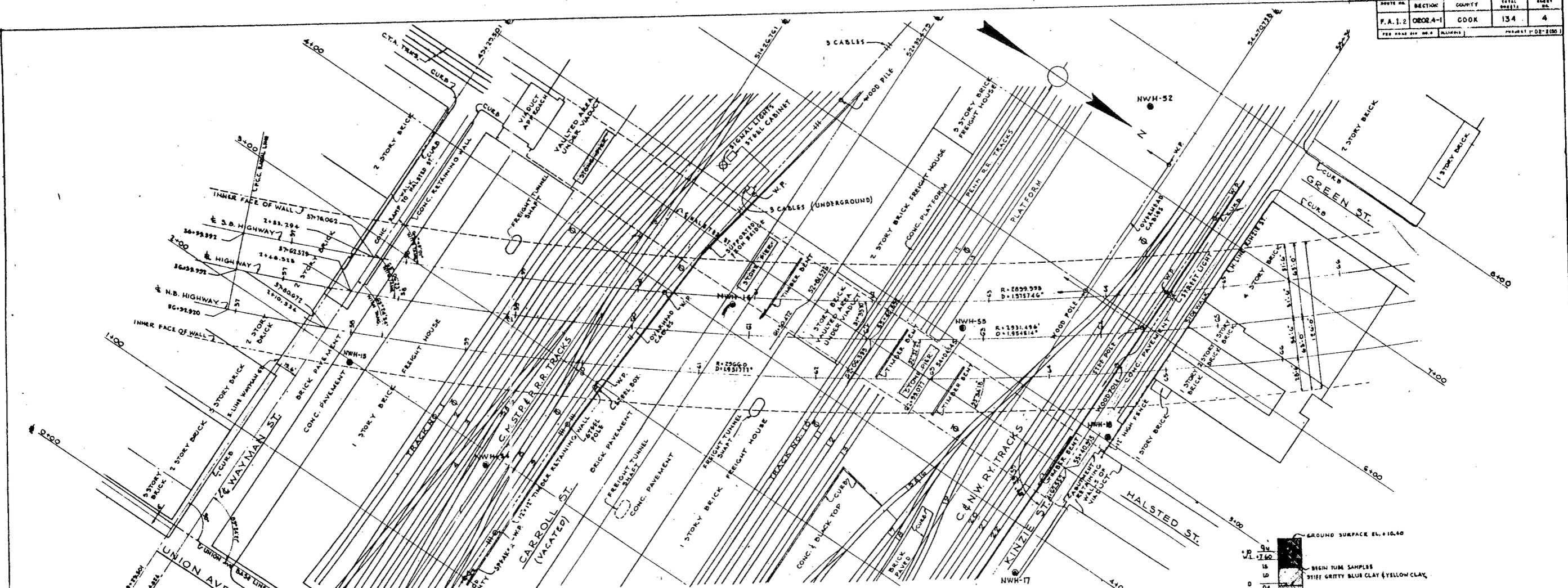
SCALE OF TRACING
 1"=40'
 0 10 20 40 80

DE LEW, CATHER & CO. ENGINEERS
 DESIGNED BY: B.A.L.
 DRAWN BY: A.L.S.
 CHECKED: H.E.W.
 IN CHARGE: *[Signature]*

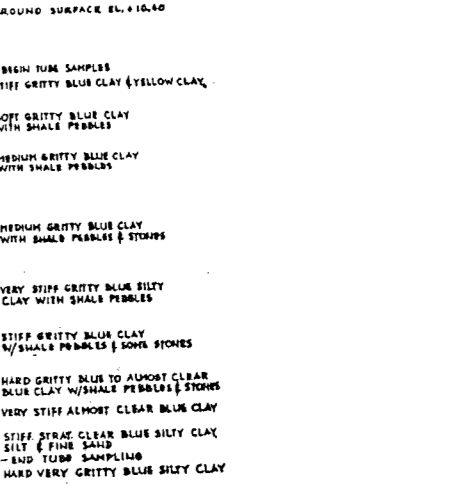
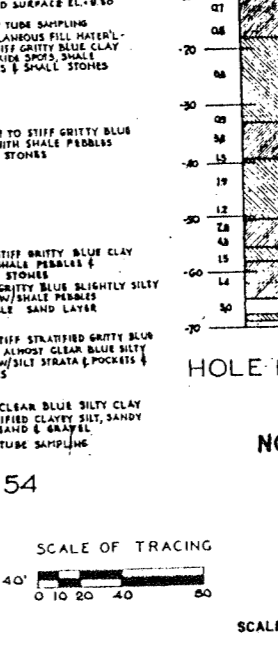
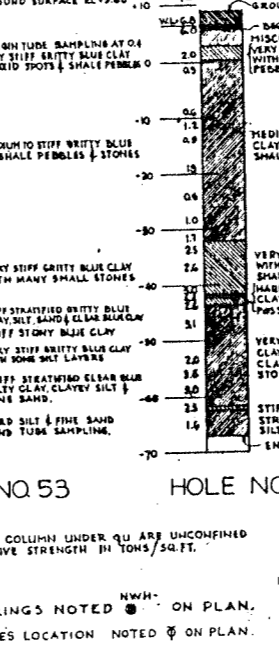
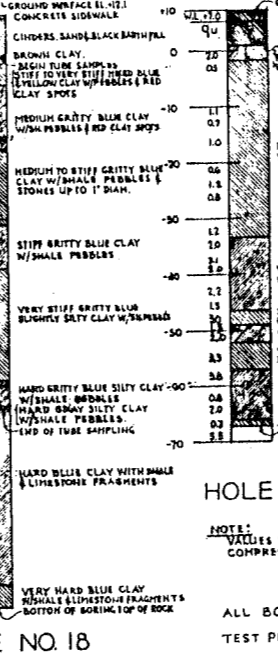
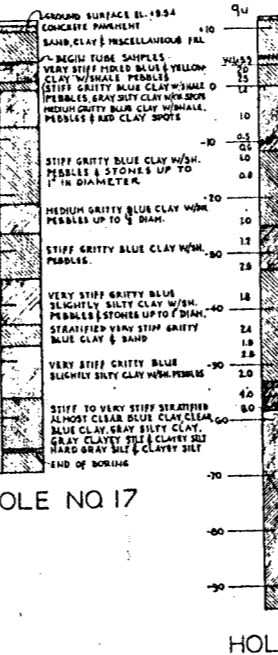
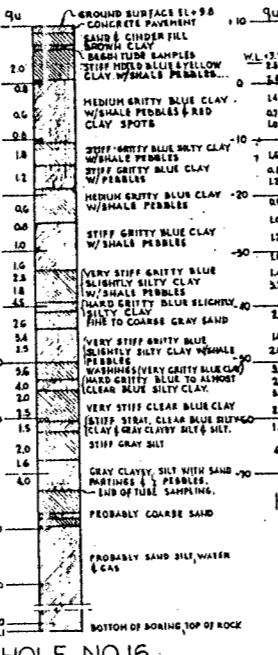
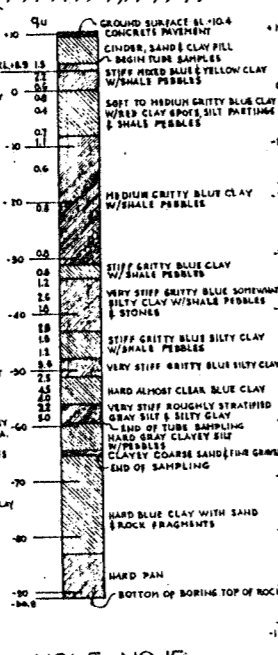
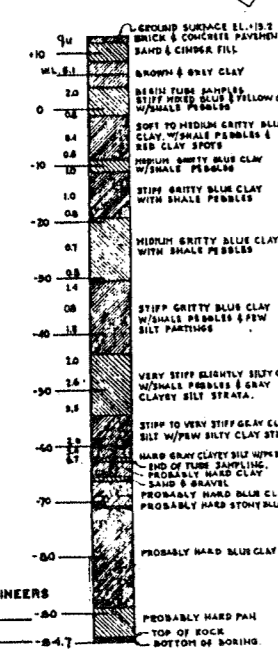
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 GENERAL PLAN AND ALIGNMENT

SCALE: AS NOTED
 SHEET NO. 6-3 OF 134 SHEETS

55257
 99429
 628



EXISTING PLAN
SCALE: 1" = 40'



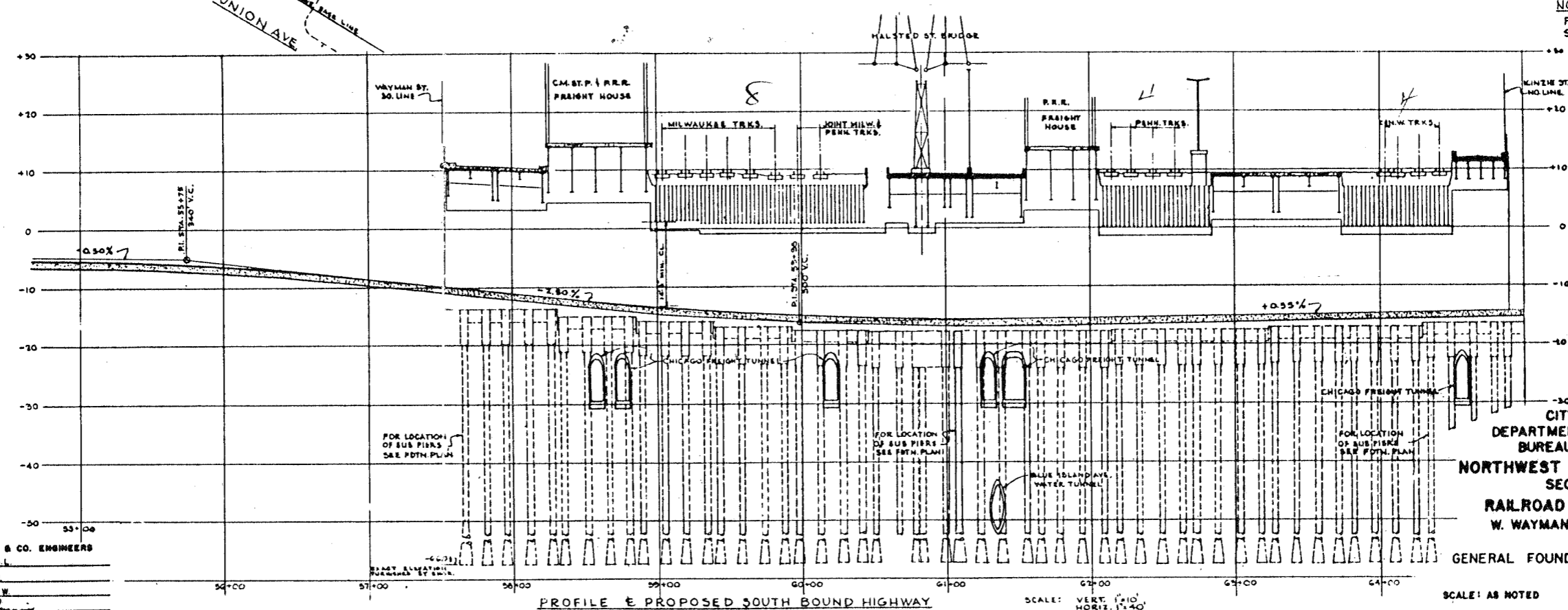
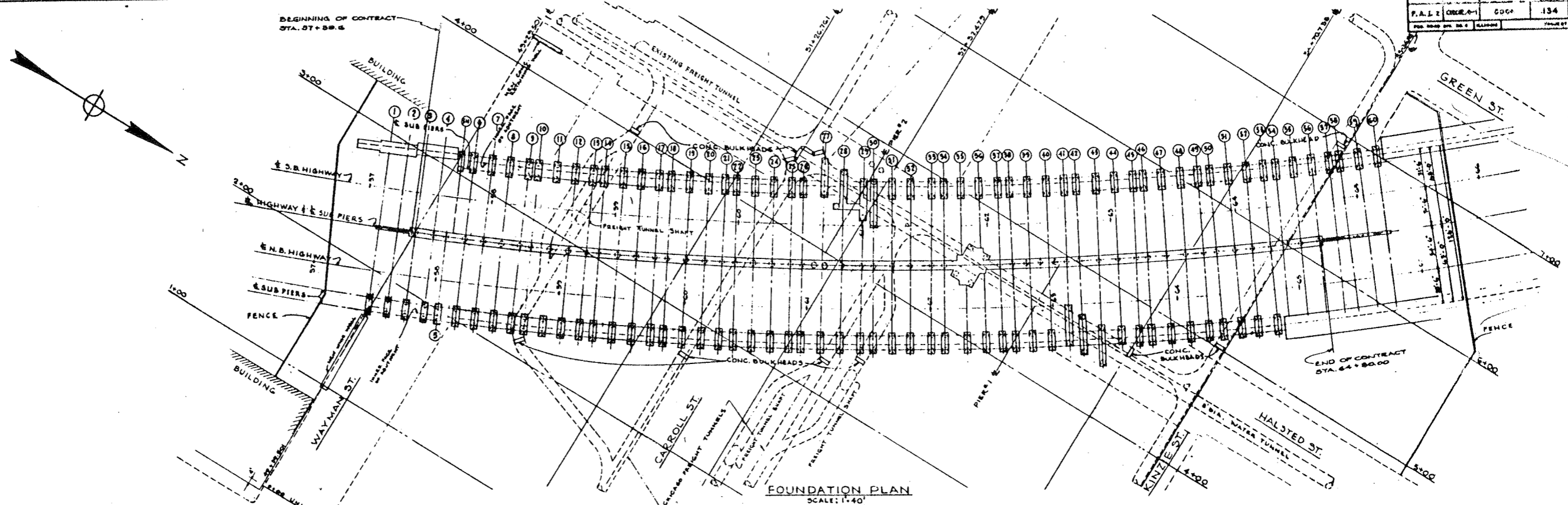
HOLE NO. 52 CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 02024-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 PLAN EXISTING FACILITIES
 BORINGS

NOTE: VALUES IN COLUMN UNDER QU ARE UNCONFINED COMPRESSIVE STRENGTH IN TONS/SQ. FT.

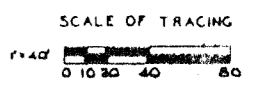
SCALE OF TRACING
 1" = 40'
 0 10 20 40 60

DE LEUW, CATHY & CO. ENGINEERS
 DESIGNED BY R.A.L.
 DRAWN BY G.U.
 CHECKED H.E.W.
 IN CHARGE

NO. 1	NO. 2	NO. 3	TOTAL	SHEET
P.A.L. 2	CHICAGO	CGO	134	5
P.O. BOX 2000 CHICAGO ILL.			DATE: MARCH 10, 1937	



NOTES:
 FOR CONCRETE BULKHEADS - SEE SHEET S-26.
 FOR FENCE SEE SHEET A-9.
 CHICAGO FREIGHT TUNNELS TO BE FILLED WITH GRANULAR MATERIAL BETWEEN CONCRETE BULKHEADS SHOWN ON THIS DRAWING APPROX. 1000 CU YDS. REED, INCL. IN PORDUS GRANULAR EMBANKMENT.

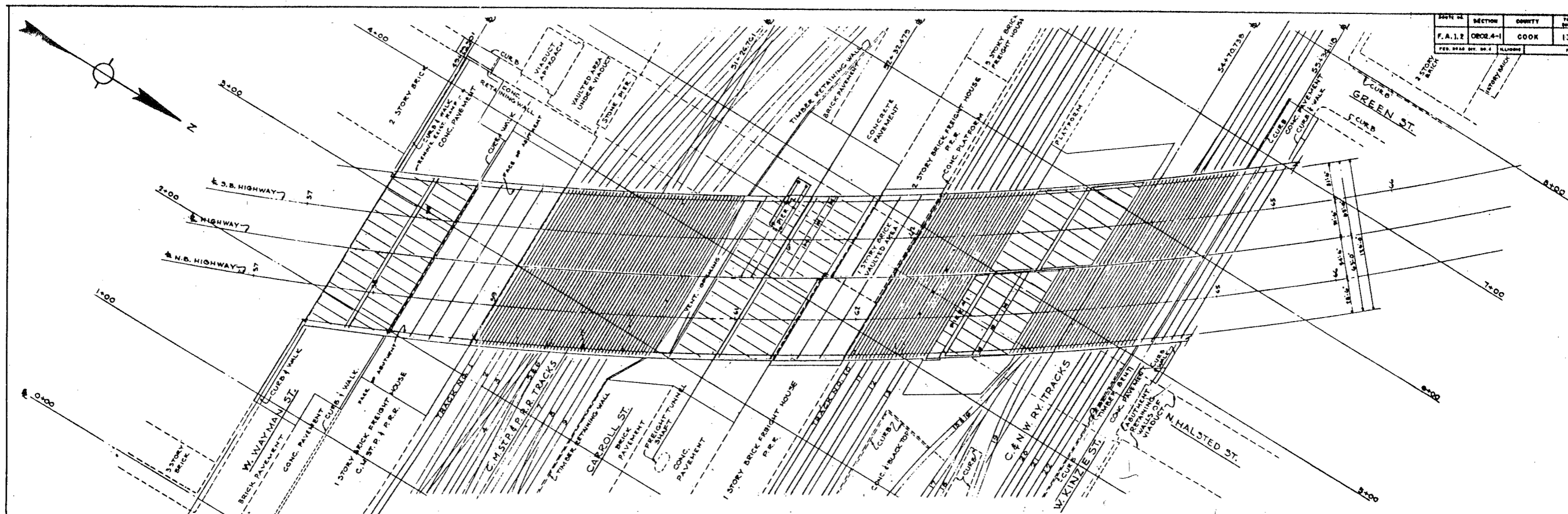


DE LEUW, CATHY & CO. ENGINEERS
 DESIGNED BY P.A.L.
 DRAWN BY G.U.
 CHECKED H.F.W.
 IN CHARGE *[Signature]*

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 GENERAL FOUNDATION PLAN AND PROFILE

SCALE: AS NOTED
 DATE: MARCH 10, 1937
 SHEET NO. G-5 OF 134 SHEETS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.1.2	COOK	134	6
FED. ROAD DIST. NO. 1		ILLINOIS	PROJECT 102-1(B)



FRAMING PLAN
SCALE: 1"=40'

GENERAL DESIGN NOTES

SPECIFICATIONS

STRUCTURES SUPPORTING RAILROAD TRACKS:
THE 1952 SPECIFICATIONS OF THE AMERICAN RAILWAY ENGINEERING ASSOCIATION (AREA) FOR BOTH SUPERSTRUCTURE AND SUBSTRUCTURE, AND ALL TEMPORARY CONSTRUCTION IN CONNECTION THEREWITH.
STRUCTURES SUPPORTING WAYMAN ST., KINZIE ST. AND OTHER DRIVEWAYS FOR HIGHWAY VEHICLES:
SUPERSTRUCTURE: THE 1952 SPECIFICATIONS OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS (AASHTO).
SUBSTRUCTURE: THE 1952 SPECIFICATIONS OF THE A.R.E.A. PROVISION TO BE MADE FOR FUTURE RAIL ROAD TRACK LOADING IN THE DESIGN OF THE SUBSTRUCTURE OF ALL RAILROAD OWNED DRIVEWAYS.
RAILROAD STRUCTURES SUCH AS FREIGHT HOUSES AND PLATFORMS: THE BUILDING CODE OF THE CITY OF CHICAGO AND THE 1952 SPECIFICATIONS FOR RAILROAD BUILDINGS OF THE A.R.E.A.

LOADING

STRUCTURES SUPPORTING RAILROAD TRACKS:
COOK COUNTY CLASS E T-2.
CENTRIFUGAL FORCE: BASED ON SPEED OF 50 MILES PER HOUR.
STRUCTURES DESIGNED IN ACCORDANCE WITH AASHTO SPECIFICATIONS:
H 20-44 - 44
RAILROAD STRUCTURES SUCH AS FREIGHT HOUSE FLOORS AND PLATFORMS AT OR NEAR TRACK LEVEL ARE DESIGNED FOR A LIVE LOAD OF 400 LBS. PER SQ. FT., OR A CONCENTRATED LOAD OF 70,000 LBS. CERTAIN FLOORS WHICH REPLACE EXISTING FRAMED FLOORS ARE DESIGNED FOR A LIVE LOAD OF 300 LBS. PER SQ. FT., WHERE NOTED ON PLANS.

FOUNDATION LOADS

CONCRETE CYLINDER PIERS BELLED AT SUITABLE ELEVATION ARE DESIGNED FOR BEARINGS IN HARD CLAY OR HARD PAN, AT NOT MORE THAN 8 TONS PER SQ. FT.
PIERS TO ROCK ARE DESIGNED FOR NOT MORE THAN 100 T. PER SQ. FT.
RETAINING WALLS SOUTH OF WAYMAN ST. AND AT HALSTED AND WAYMAN ST. ARE DESIGNED FOR AN AVERAGE SOIL PRESSURE OF 2000 LBS. PER SQ. FT.

BASIS OF DESIGN

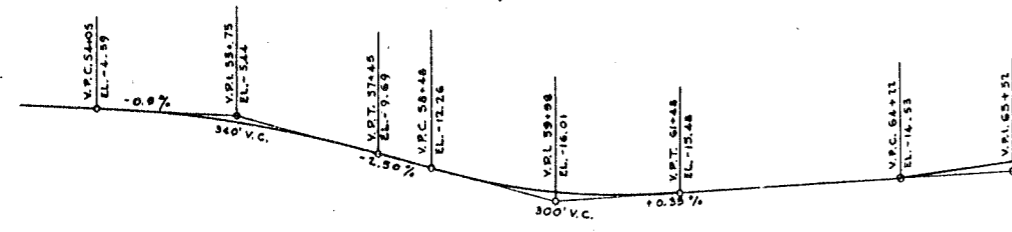
CONCRETE: FLOORS & DECK SLABS (f_c = 3500, ALL OTHER (f_c = 3000).
STEEL REINFORCEMENT BARS: #4 (f_y = 4000) (f_c = 1100)
BILLET STEEL CONCRETE REINFORCEMENT BARS INTERMEDIATE GRADE DEFORMED TYPE IN ACCORDANCE WITH A.S.T.M. SPECIFICATIONS A 15 AND A 305 (f_y - ALLOWABLE TENSILE UNIT STRESS = 20,000 P.S.I.)

STEEL H-PILES

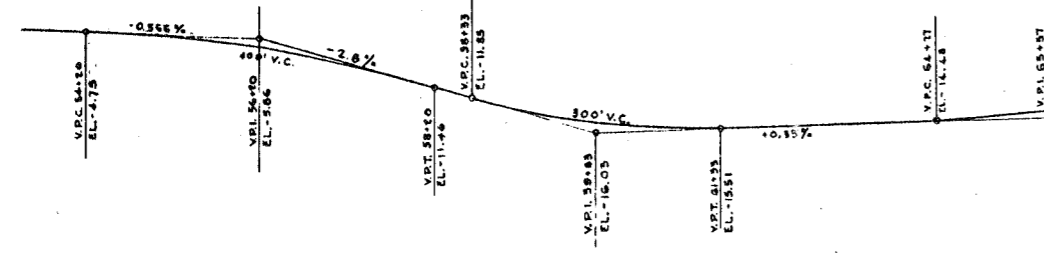
SEE NOTES, SW. 5-1, 5-9 & 5-56

STRUCTURAL STEEL

STRUCTURAL STEEL: A.S.T.M. A-7 (CARBON GRADE)
RIVET STEEL: A.S.T.M. A-141
FLOOR PLATES AND BALLAST RETAINING PLATES:
LOW ALLOY STEEL EQUAL TO A.S.T.M. A-142 AND SHALL HAVE CORROSION RESISTANCE EQUAL TO CORTEN OR MAYARI-R. PINS AND BEARINGS AS SPECIFIED.

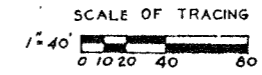


PROFILE ON & SOUTHBOUND ROADWAY
SCALE: 1"=100' HORIZ., 1"=10' VERT.



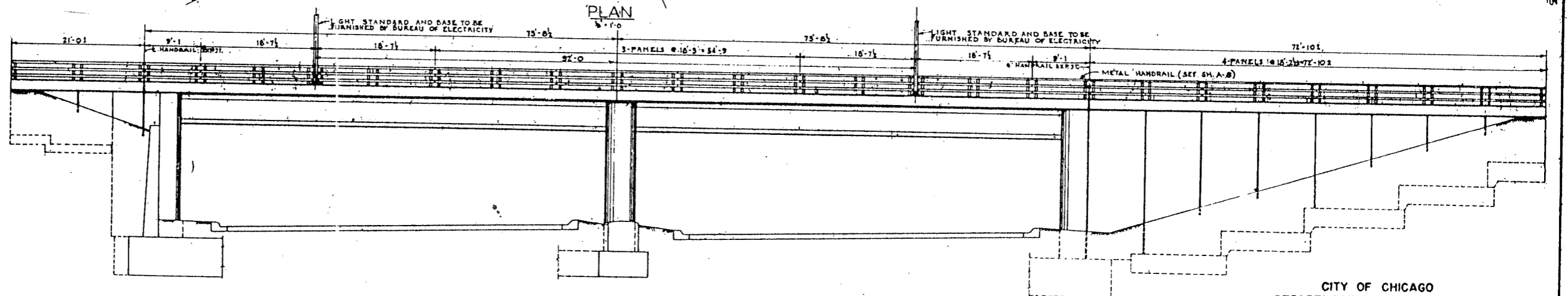
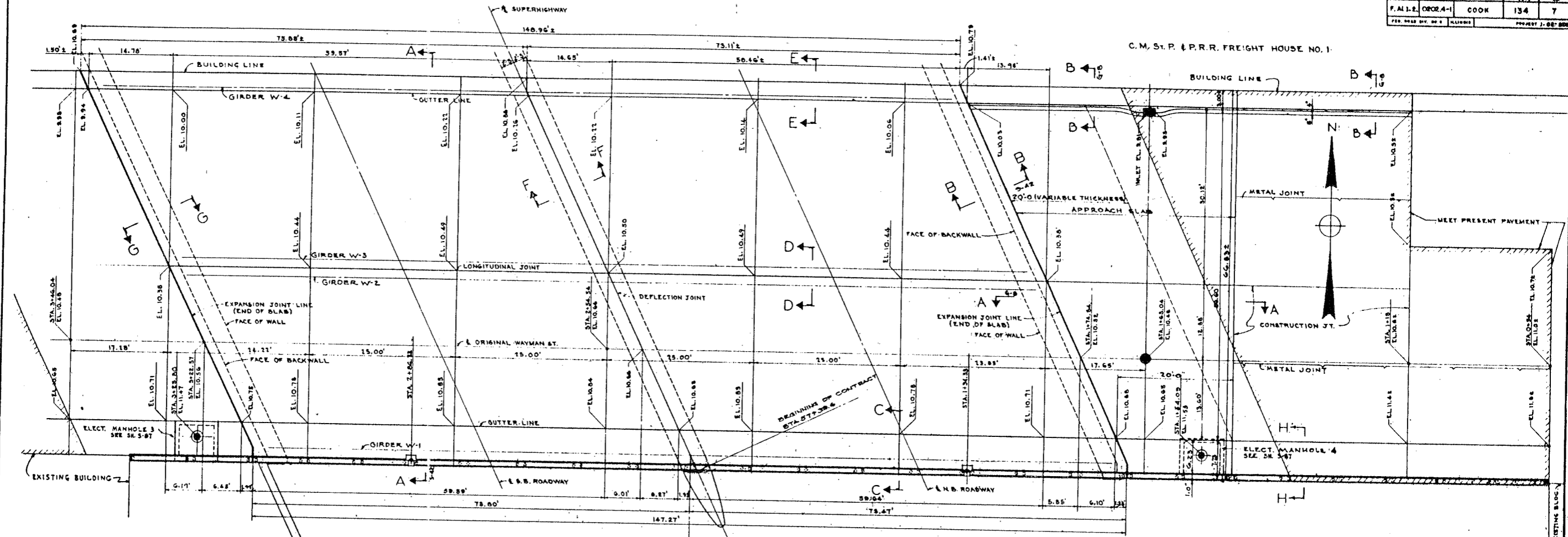
PROFILE ON & NORTHBOUND ROADWAY
SCALE: 1"=100' HORIZ., 1"=10' VERT.

DE LUW, CATHY & CO. ENGINEERS
DESIGNED BY: B.A.L.
DRAWN BY: G.H.
CHECKED: H.E.W.
IN CHARGE: [Signature]



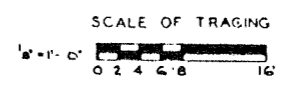
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
GENERAL FRAMING PLAN
AT TRACK LEVEL

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. ALI. E.	0202.4-1	COOK	134	7
PREPARED BY: H. L. HARRIS			PROJECT: J. 02-000	



DE LEUW, CATHY & CO. ENGINEERS
 DESIGNED BY H.F.L.
 DRAWN BY H.F.L.
 CHECKED R.S.M. S.A.I.
 IN CHARGE *[Signature]*

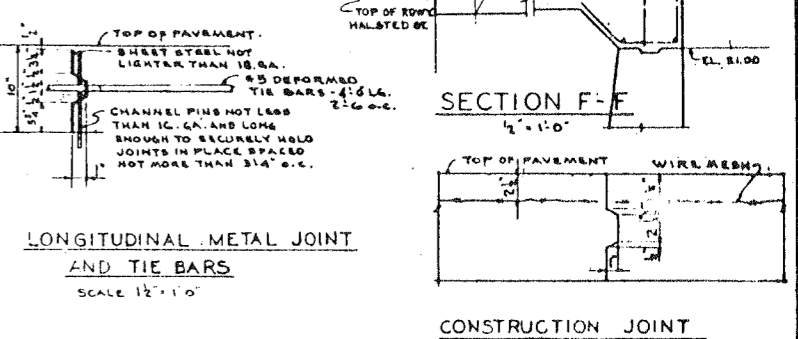
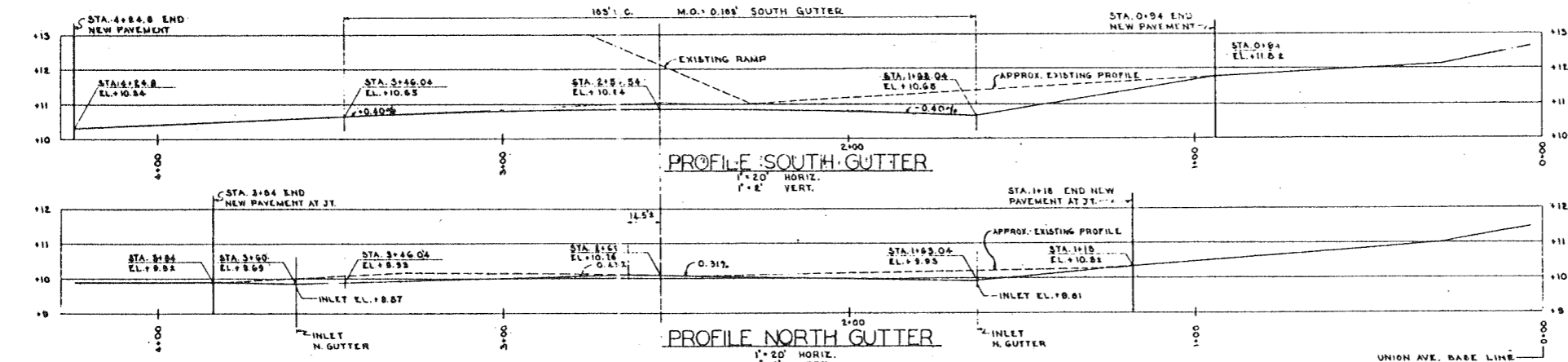
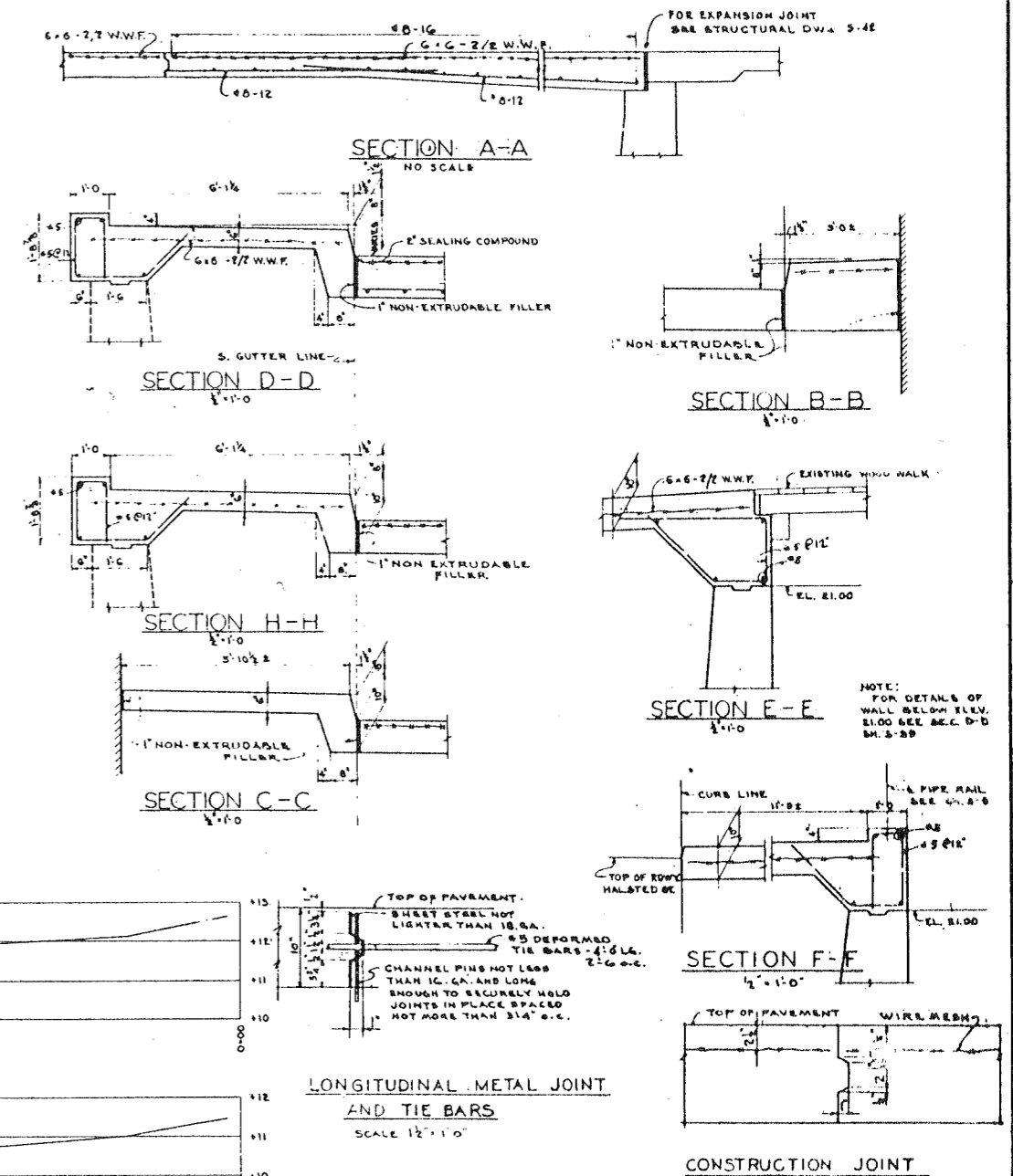
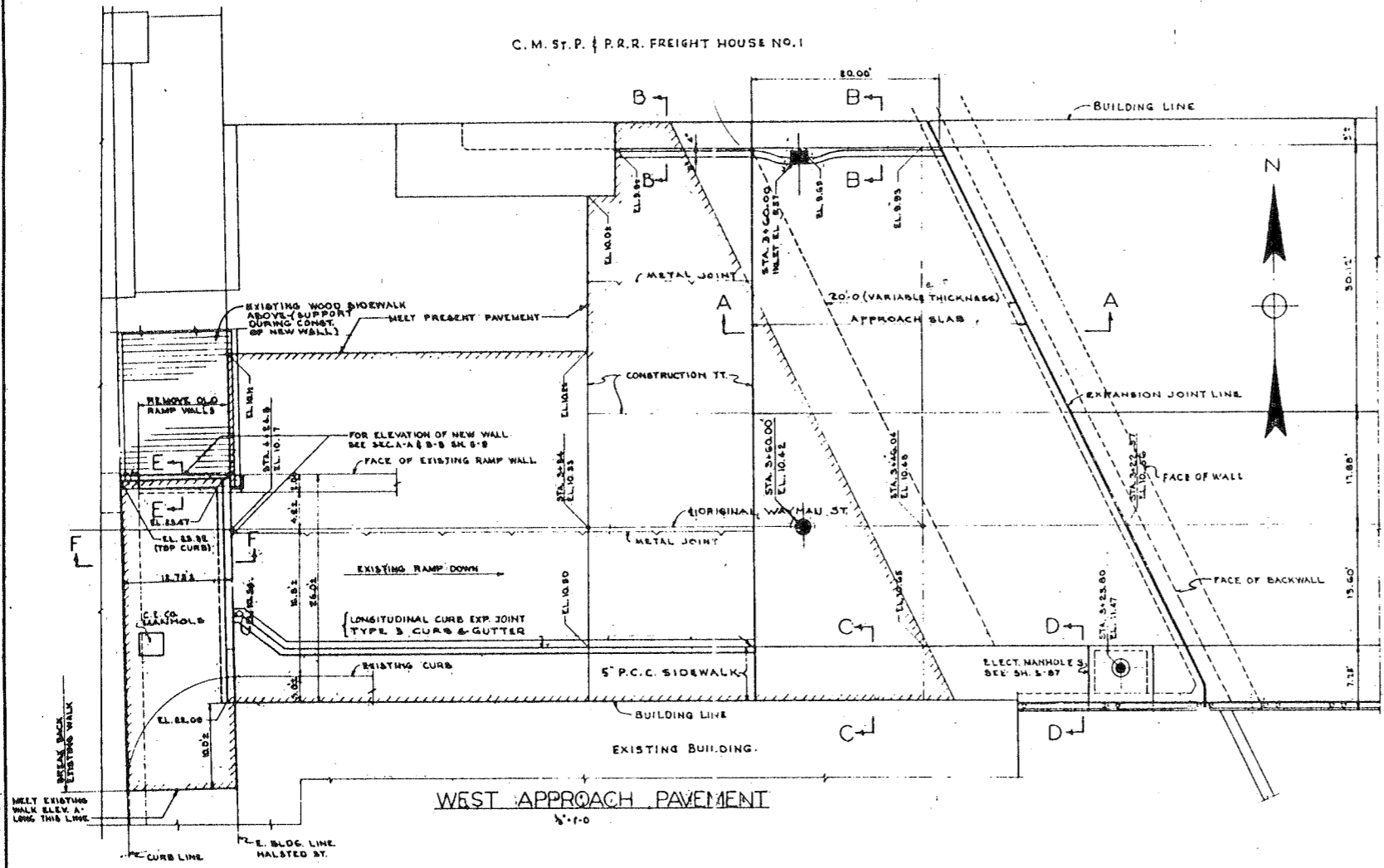
NOTE:
 FOR SEC. A-A THRU G-G SEE SH. NO. 5-42
 FOR LOCATION OF CONDUIT HANGER
 INSERTS IN BOTTOM OF SLAB SEE
 SH. NO. E-4 & E-5
 FOR SEC. H-H SEE SH. NO. G-6
 EXISTING PAVEMENT, SIDEWALK, CURB
 & GUTTER TO BE REMOVED.



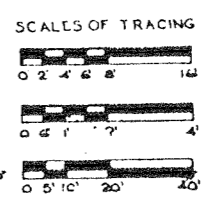
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 WAYMAN ST. BRIDGE
 GENERAL PLAN AND EAST APPROACH PAVEMENT
 SCALE: AS NOTED
 DATE: MARCH 1913
 SHEET NO. G-7 OF 134 SHEETS

ROUTE OR SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1-2	COOK	134	8
PROJECT 1-21-13			

C. M. ST. P. P.R.R. FREIGHT HOUSE NO. 1



CONSTRUCTION JOINT

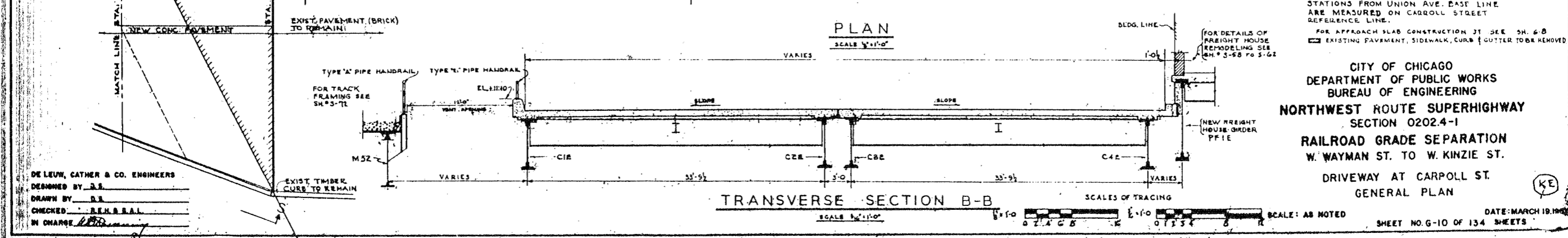
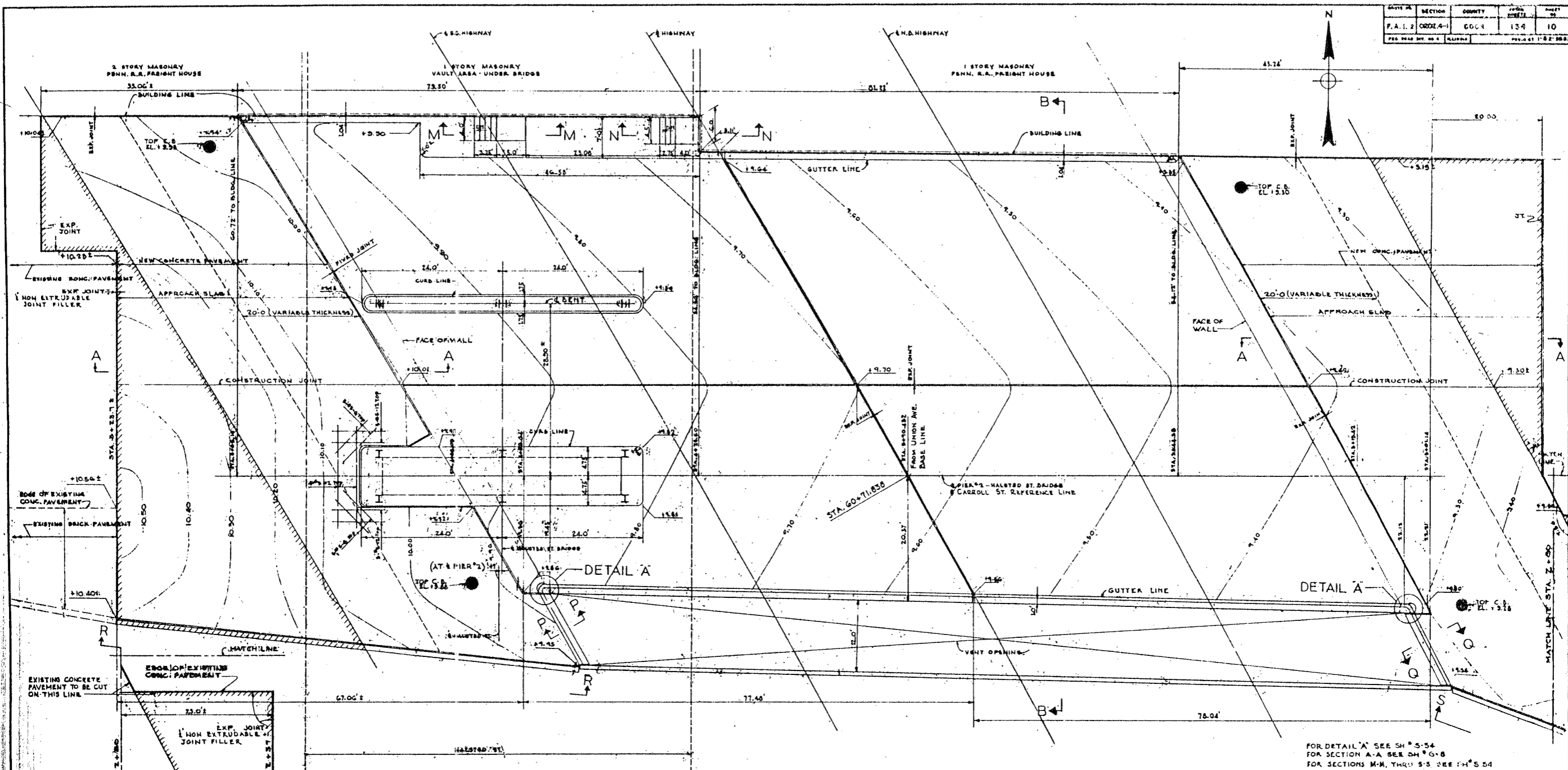


STATIONING ON & ORIGINAL WAYMAN ST. FROM UNION AVE. BASE LINE. FOR LOCATION OF SEC. H-H SEE SH. NO. 6-7

DE LEUW, CATHAR & CO. ENGINEERS
 DESIGNED BY H.W.L.
 DRAWN BY H.W.L.
 CHECKED R.G.M. & R.A.L.
 IN CHARGE *[Signature]*

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 02.02.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 WAYMAN ST. BRIDGE
 PROFILE AND WEST APPROACH PAVEMENT
 SCALE: AS NOTED
 SHEET NO. G-B OF 13 SHEETS

SHEET NO.	SECTION	COUNTY	DATE	SHEET
P.A. 1.2	0202.4-1	COOK	1934	10
PREPARED BY: H. S. ALLEN				



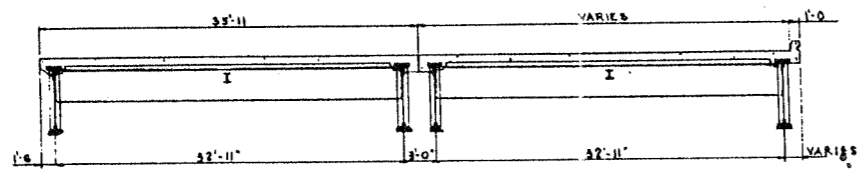
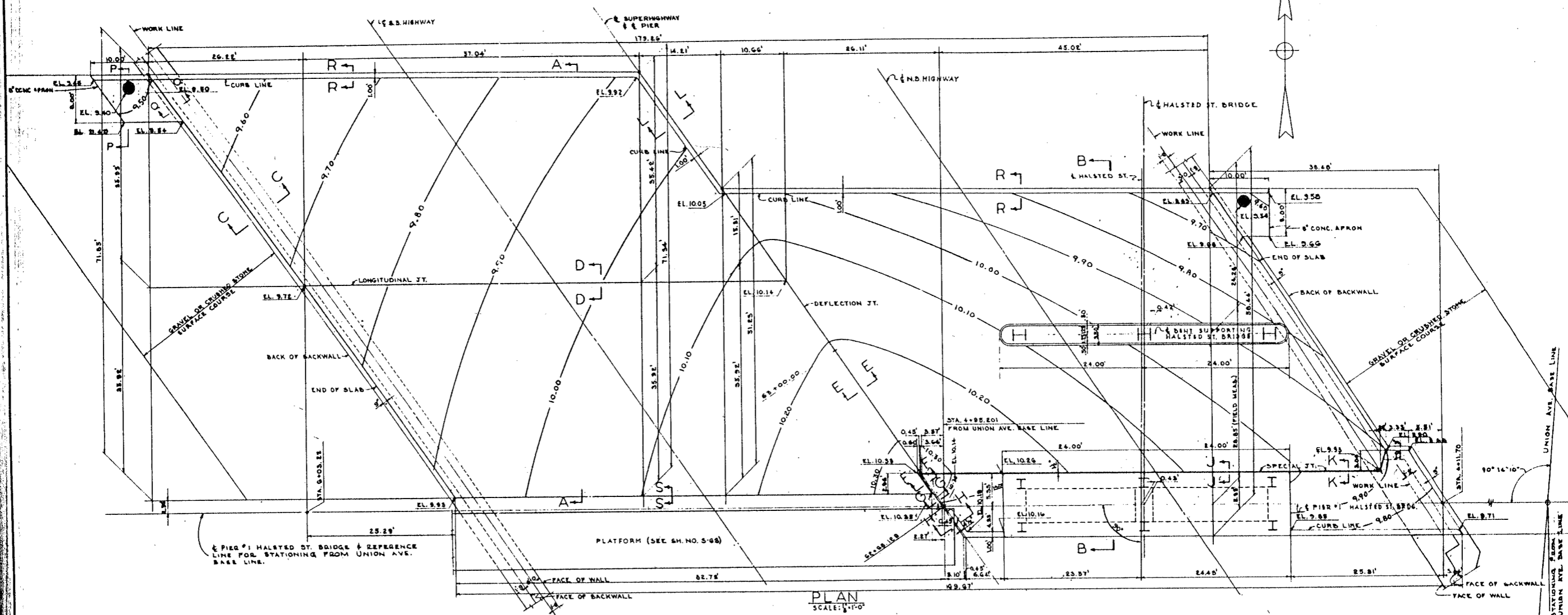
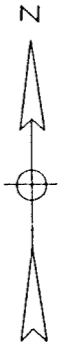
FOR DETAIL 'A' SEE SH. 5-54
 FOR SECTION A-A SEE SH. 6-8
 FOR SECTIONS M-M, THROUGH S-S SEE SH. 5-54
 STATIONS FROM UNION AVE. BASE LINE
 ARE MEASURED ON CARROLL STREET
 REFERENCE LINE.
 FOR APPROACH SLAB CONSTRUCTION SEE SH. 6-8
 EXISTING PAVEMENT, SIDEWALK, CURB & GUTTER TO BE REMOVED

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 DRIVEWAY AT CARROLL ST.
 GENERAL PLAN

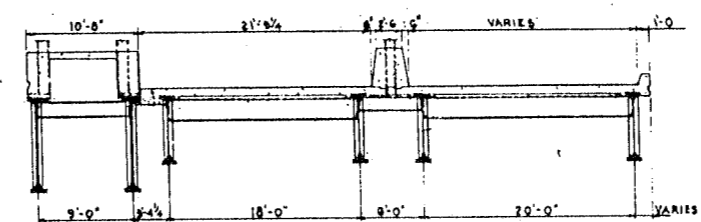
DE LEUW, CATHAR & CO. ENGINEERS
 DESIGNED BY: J.S.
 DRAWN BY: D.S.
 CHECKED BY: R.H. & S.A.L.
 IN CHARGE: R.H.

SCALE: AS NOTED
 DATE: MARCH 19, 1934
 SHEET NO. 6-10 OF 134 SHEETS

ROUTE NO.	SECTION	SHEET	TOTAL SHEETS	SHEET NO.
F.A.I. 2	0202.4-1	COOK	134	11
REG. ROAD DIST. NO. 4		ALYDNO	PROJECT 27-08-2104	

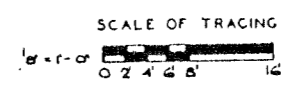


SECTION A-A
SCALE: 1/4"=1'-0"



SECTION B-B
SCALE: 1/4"=1'-0"

NOTE:
FOR SEC. C-C THRU L-L, & P-P THRU S-S,
SEE SH. S-C-T
STATIONS FROM UNION AVE. BASE LINE
ARE MEASURED ON & PIER #1 OF HALSTED
ST. BRIDGE. (REFERENCE LINE FOR
STATIONING FROM UNION AVE.
BASE LINE.)

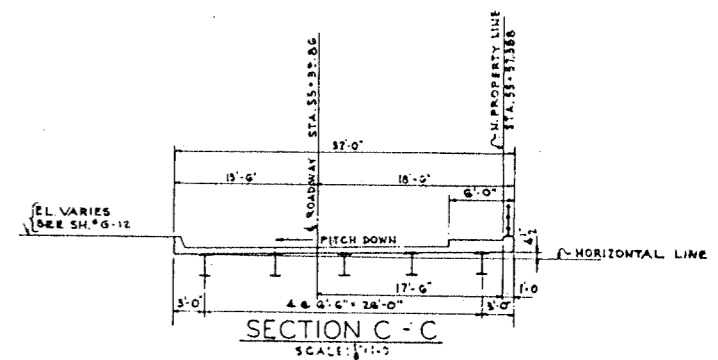
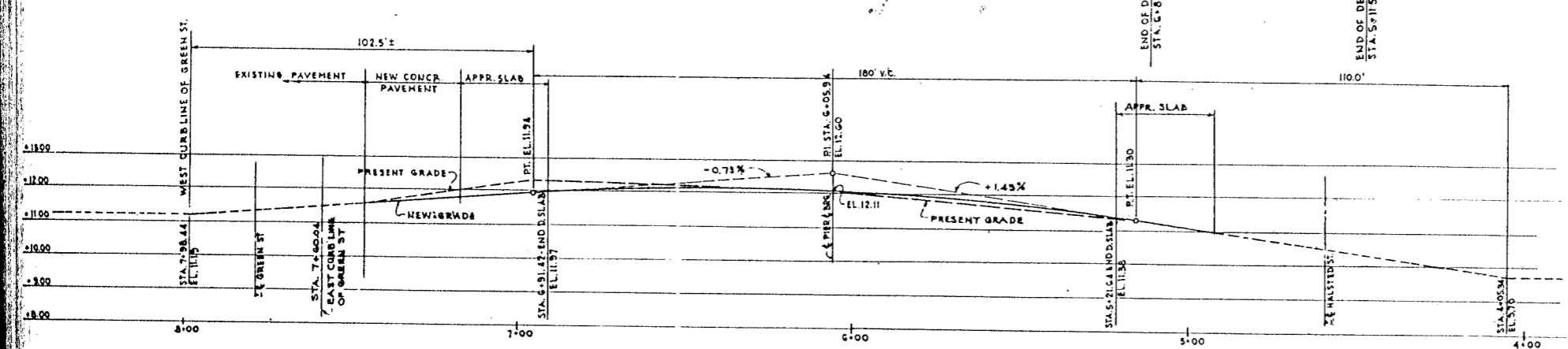
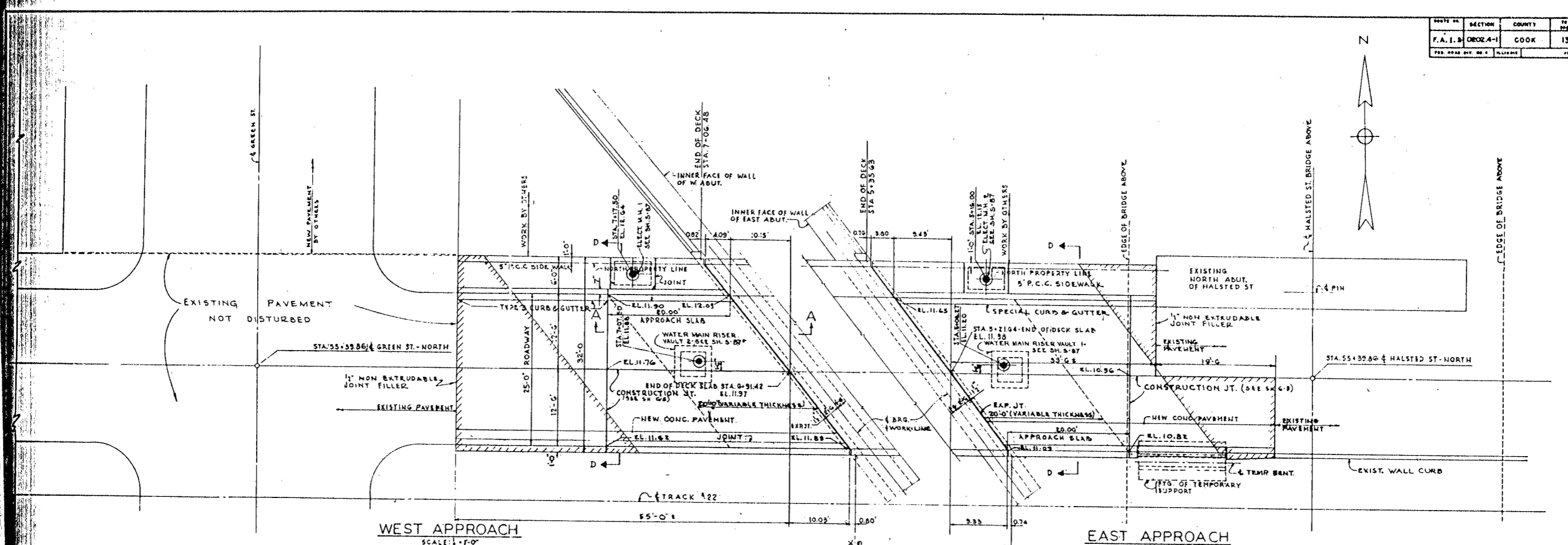


DE LEUW, CATHY & CO. ENGINEERS
DESIGNED BY H.W.L.
DRAWN BY A.L.B.
CHECKED R.S.B.S.A.L.
IN CHARGE *[Signature]*

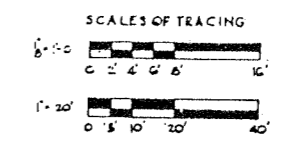
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
DRIVEWAY SO. OF KINZIE ST.
GENERAL PLAN

SCALE: AS NOTED
DATE: MARCH 19, 1967
SHEET NO. G-11 OF 134 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1. B	0202.4-1	COOK	134	13
FED. ROAD DIST. NO. 4		ILLINOIS	PROJECT NO. 0202.4-1	



PROFILE ALONG ϕ OF ROADWAY
SCALE HORIZONTAL: 1" = 20'
VERTICAL: 1" = 1'-0"

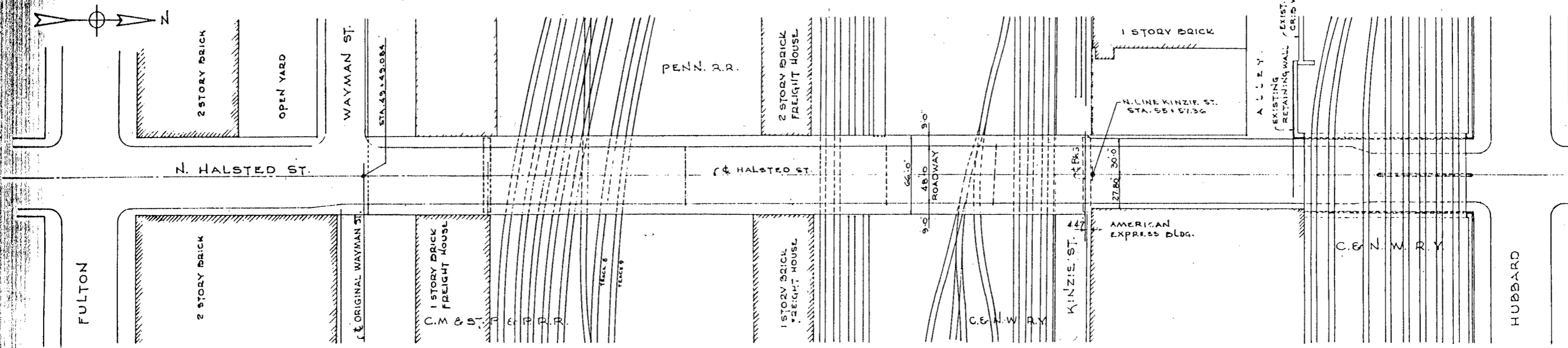


DE LEW, CATHY & CO. ENGINEERS
 DESIGNED BY S.A.
 DRAWN BY A.L.R.
 CHECKED J.E.H. B.A.L.
 IN CHARGE J.D. [Signature]

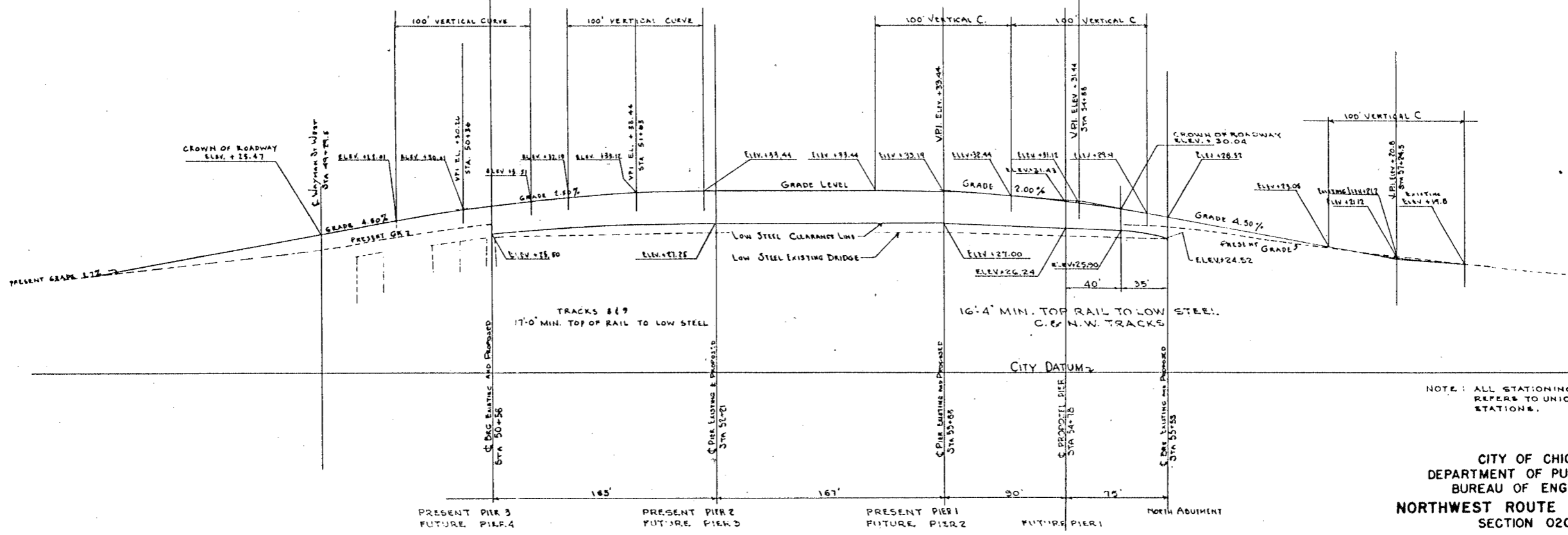
FOR LOCATION OF SEC. C-C
 SEE SH. #6-11
 FOR SEC. D-D SEE SH. #5-71
 FOR SEC. A-A SEE SH. #6-8
 [Symbol] EXISTING PAVEMENT, SIDEWALK,
 CURB (GUTTER) TO BE REMOVED.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 KINZIE ST. BRIDGE
 PROFILE AND APPROACH PAVEMENTS
 SCALE: AS NOTED
 DATE: MARCH 18, 1907
 SHEET NO. G-13 OF 134 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.L.R.	0202.4-1	COOK	134	14
DESIGNED BY		DRAWN BY		CHECKED BY
W.D.		R.E.B.		R.E.B.
IN CHARGE		DATE		PROJECT NO.
W.D.		MARCH 1907		22020



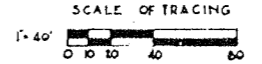
P L A N SCALE: 1" = 40' 0"



P R O F I L E

PROPOSED REPLACEMENT FOR 3-165' THRU TRUSS SPANS BETWEEN EXISTING NORTH ABUTMENT AND EXISTING PIER 3. TO CONSIST OF STEEL DECK GIRDER SPANS.

SCALE HOR. 1" = 40' 0"
VERT. 1" = 10' 0"



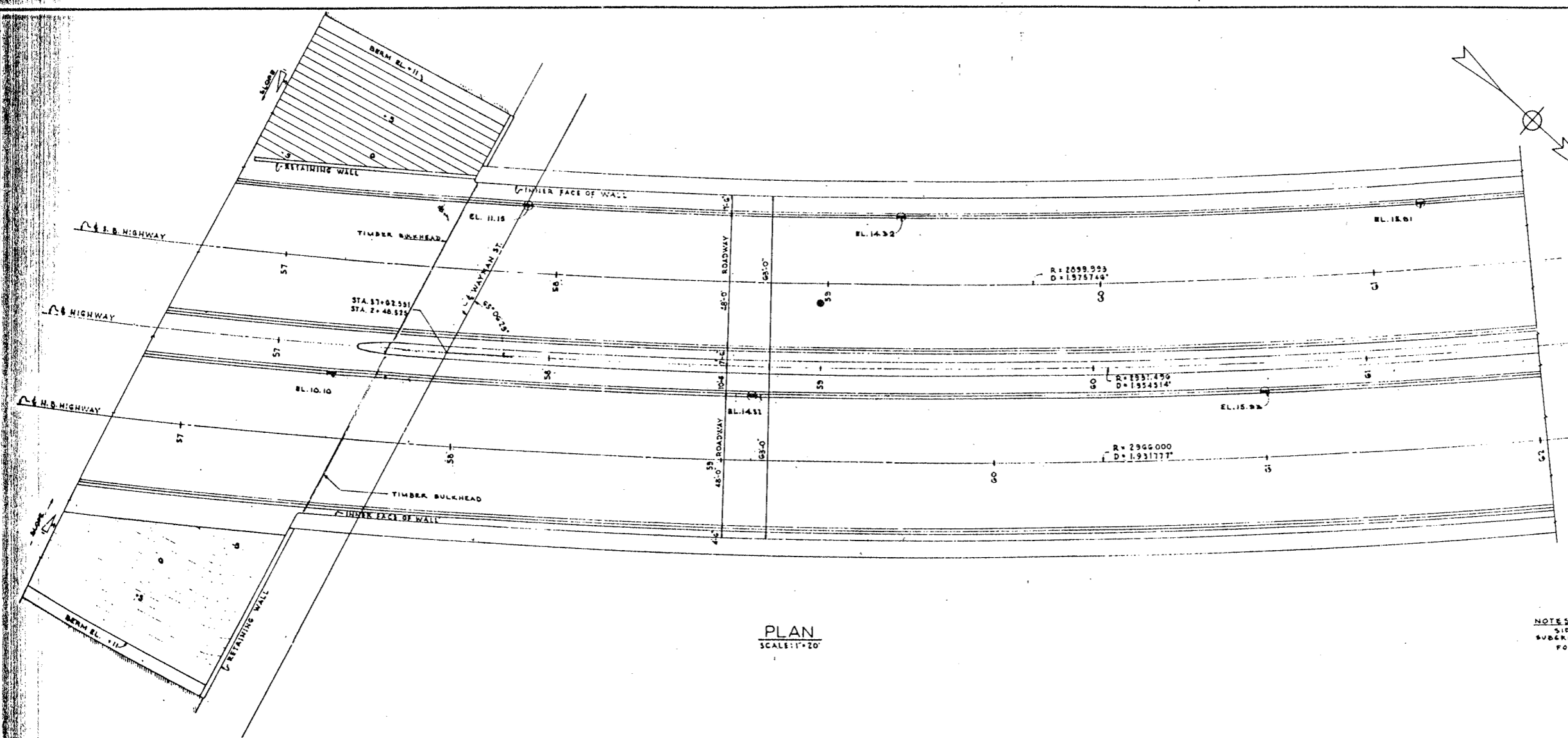
NOTE: ALL STATIONING ON THIS SHEET REFERS TO UNION AVE. BASE LINE STATIONS.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
FUTURE N. HALSTED ST. VIADUCT
PLAN AND PROFILE

SCALE: AS NOTED DATE: MARCH 1907
SHEET NO. G-14 OF 134 SHEETS

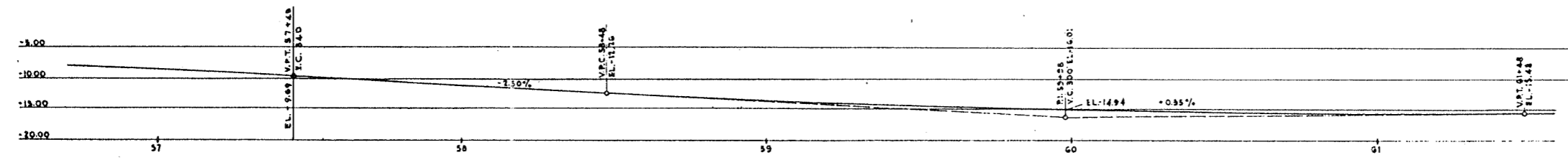
DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY W.D.
DRAWN BY R.E.B.
CHECKED BY R.E.B.
IN CHARGE W.D.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 3	0202.4-1	COOK	15	15
REG. ROAD DIST. NO. 4	ILLINOIS	PROJECT 0202.4-1		



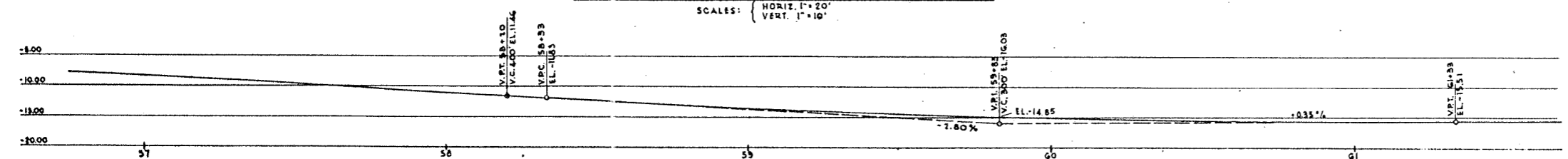
PLAN
SCALE: 1"=20'

NOTES:
SIDEWALK, CURB & GUTTER, PAVEMENT AND
SUBGRADE NOT IN THIS CONTRACT.
FOR TIMBER BULKHEADS SEE SH. A-9



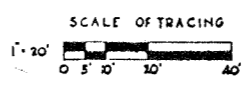
PROFILE ON ϕ SOUTHBOUND ROADWAY

SCALES: (HORIZ. 1"=20'
VERT. 1"=10'



PROFILE ON ϕ NORTHBOUND ROADWAY

SCALES: (HORIZ. 1"=20'
VERT. 1"=10'

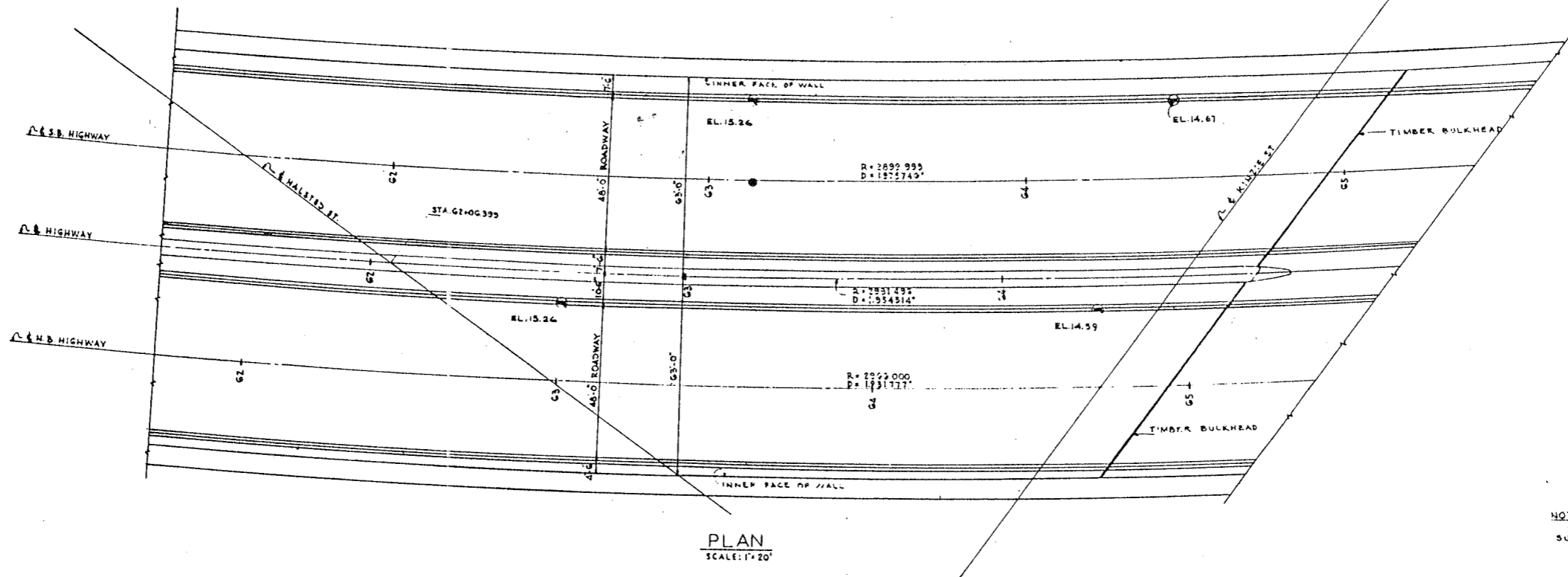


DE LEUW, CATHY & CO. ENGINEERS
DESIGNED BY M.C.
DRAWN BY A.L.B.
CHECKED R.A.L.
IN CHARGE

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
SUPERHIGHWAY PAVEMENT
WAYMAN ST. TO STA. 61+60
PLAN AND PROFILES

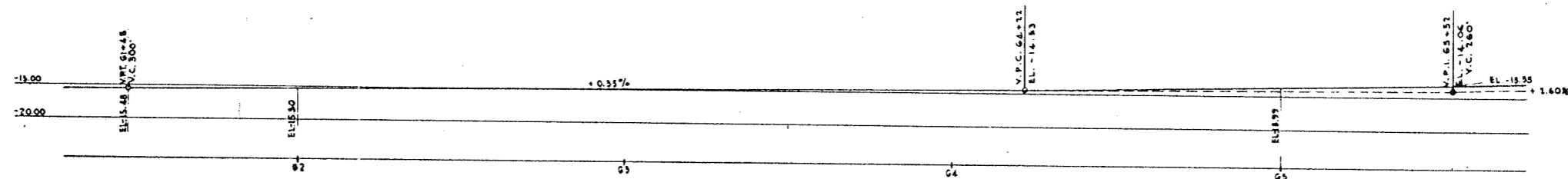
SCALE: AS NOTED DATE: MARCH 19, 1967
SHEET NO. G-15 OF 134 SHEETS

ROUTE NO.	SECTION	DESIGNER	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	16
DESIGNED BY: [blank]		DRAWN BY: [blank]		PROJECT: 1-03-2000

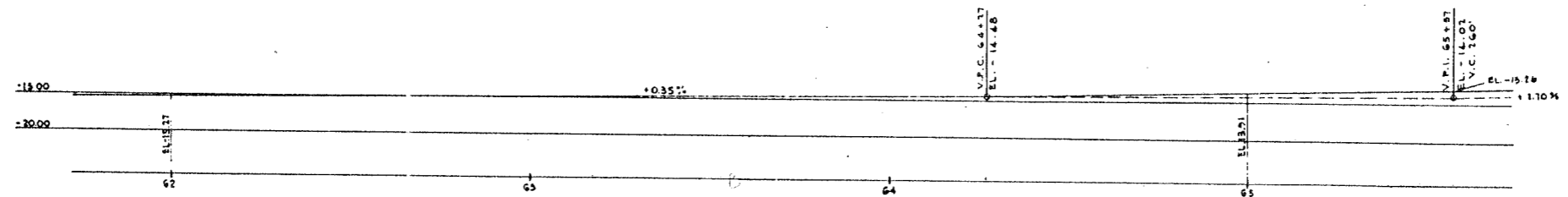


PLAN
SCALE: 1"=20'

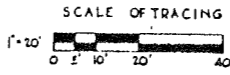
NOTES
SIDEWALK, CURB & GUTTER, PAVEMENT AND SUBGRADE NOT IN THIS CONTRACT.
FOR TIMBER BULKHEADS SEE SK A-9



PROFILE ON ϕ SOUTHBOUND ROADWAY
SCALES: (HORIZ. 1"=20', VERT. 1"=10')



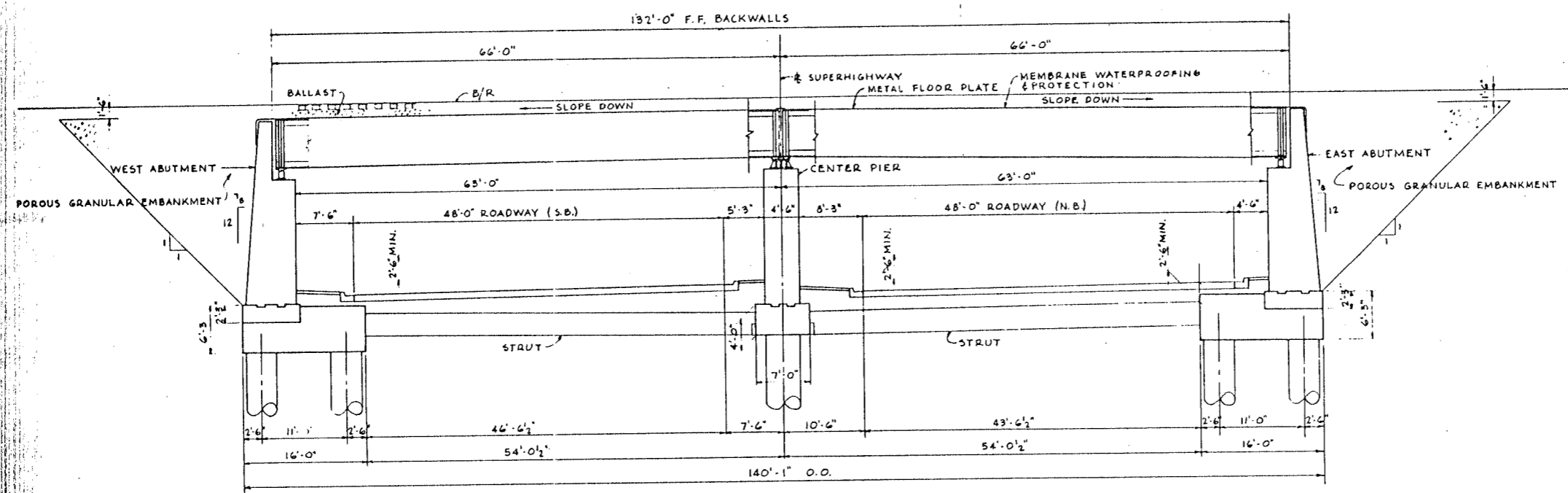
PROFILE ON ϕ NORTHBOUND ROADWAY
SCALES: (HORIZ. 1"=20', VERT. 1"=10')



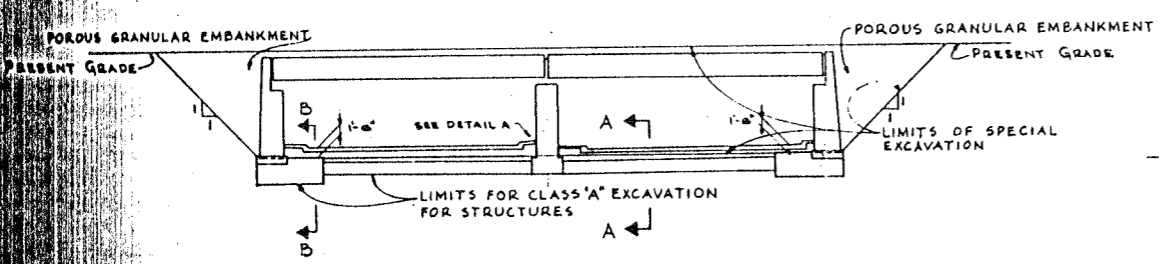
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
SUPERHIGHWAY PAVEMENT
STA. 61+60 TO KINZIE ST.
PLAN AND PROFILES

SCALE: AS NOTED DATE: MARCH 10, 1967
SHEET NO. 0-16 OF 134 SHEETS

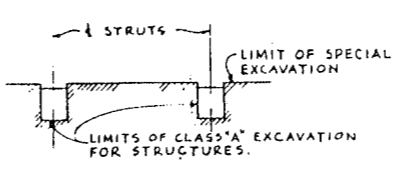
DE LEW, CATHER & CO. ENGINEERS
DESIGNED BY: M.C.
DRAWN BY: A.L.S.
CHECKED: S.A.L.
IN CHARGE: [Signature]



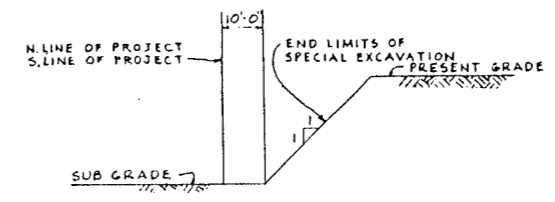
TYPICAL RADIAL CROSS SECTION
SCALE: 1/8" = 1'-0"



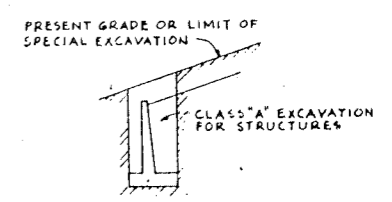
TYPICAL EXCAVATION DIAGRAM
SCALE: 1" = 20'



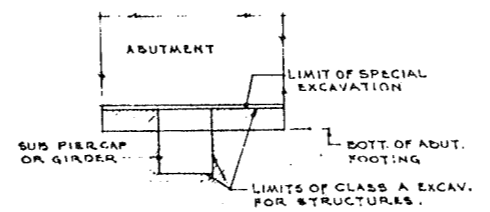
SECTION A-A
SCALE: 1/8" = 1'-0"



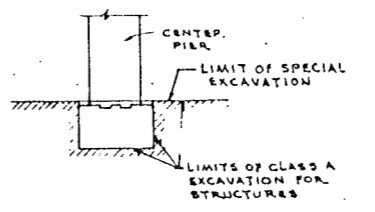
END LIMITS OF EXCAVATION
SCALE: 1" = 20'



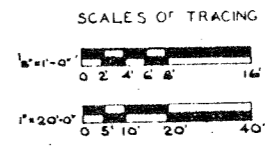
EXCAVATION FOR RETAINING WALLS
SCALE: 1" = 20'



SECTION B-B
SCALE: 1/8" = 1'-0"



DETAIL A
SCALE: 1/8" = 1'-0"

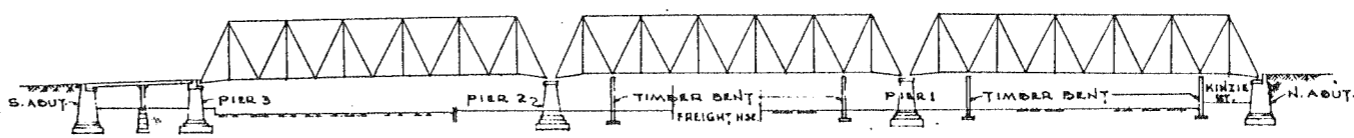
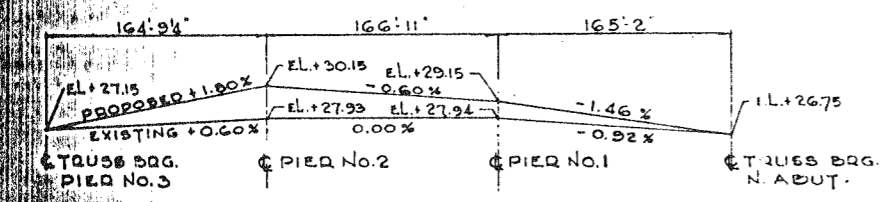
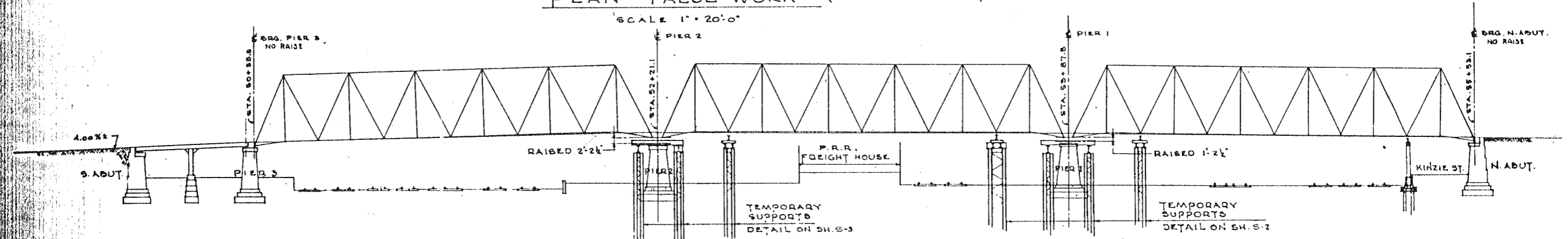
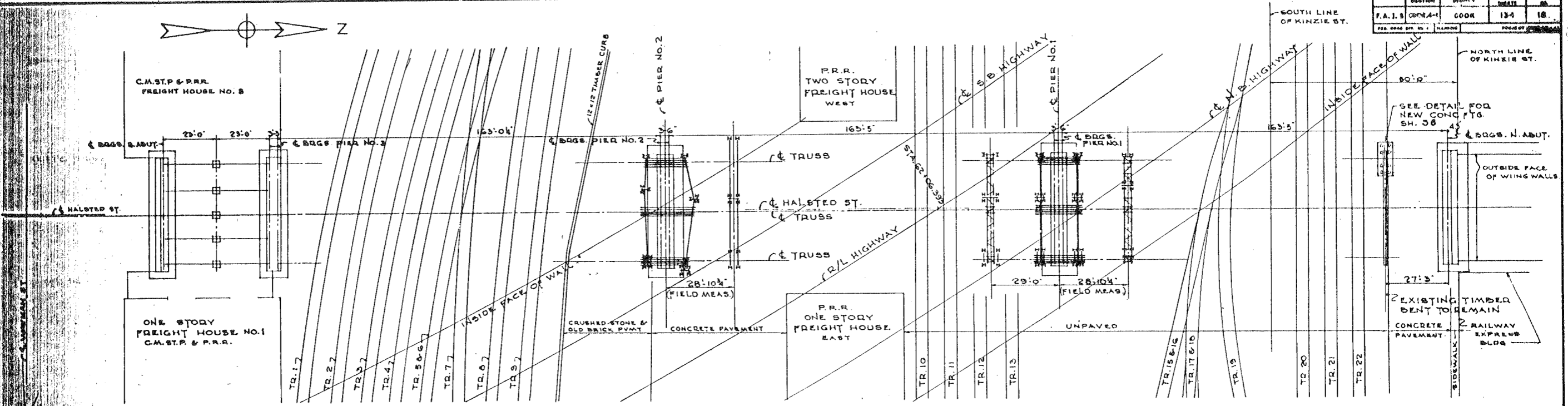


CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
SECTION & PAYMENT LIMITS

SCALE: AS NOTED
DATE: MARCH 19, 1937
SHEET NO. G-17 OF 134 SHEETS

THE LEWIS, GATHER & CO. ENGINEERS
DESIGNED BY E.A.L.
DRAWN BY E.H.H.
CHECKED BY E.H.H.
IN CHARGE [Signature]

DATE	DESIGN	DRAWN	CHECKED	APPROVED
F.A.I.S.	OPPELMAN	COOK	134	18
PROJECT NO.		SHEET NO.		



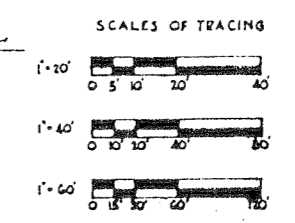
NOTE: PRESENT GRADE HALSTED ST. IS ELEV. TOP OF EAST RAIL N.B. CARTRACK ON THE VIADUCT, FIELD SURVEY 7/24/53 BUREAU OF ENGINEERING. PROPOSED GRADE IS ELEV. SAME AFTER RAISING THE BRIDGE SUPERSTRUCTURE AT PIERS 1 AND 2 AS SHOWN ON DRAWINGS S-1 TO S-7. THIS ELEVATION IS ABOUT THE SAME AS THE TOP OF PAVEMENT. FOR TRACK PROFILES UNDER THE VIADUCT SEE DRAWINGS S-10, S-11 & S-12. LOW STEEL IS APPROXIMATELY 2'-8" BELOW THE ROADWAY GRADE. ALL STATIONING ON THIS SHEET REFERS TO UNION AVE. BASE LINE STATIONS.

DE LEUW, CATHEN & CO. ENGINEERS
DESIGNED BY: E.A.L.
DRAWN BY: E.E.B.
CHECKED BY: E.E.B.
IN CHARGE: [Signature]

NOTE: PIERS 1 & 2 AND TIMBER BENTS ADJACENT TO PIERS 1 & 2 TO BE REPLACED WITH PERMANENT STEEL SUPPORTS.

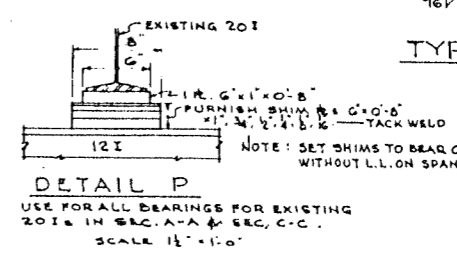
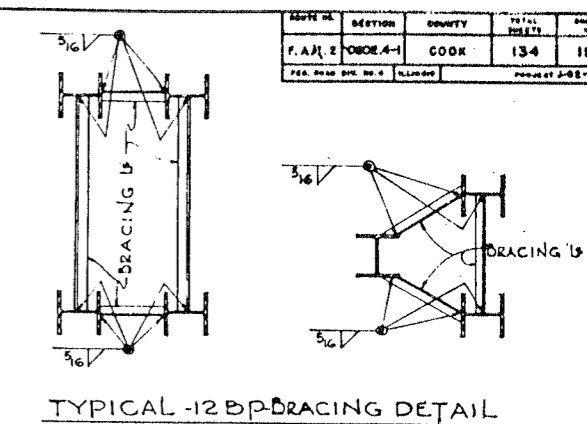
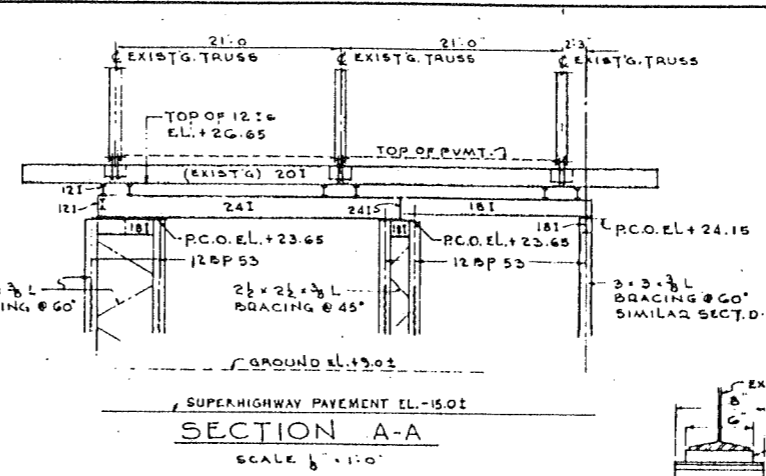
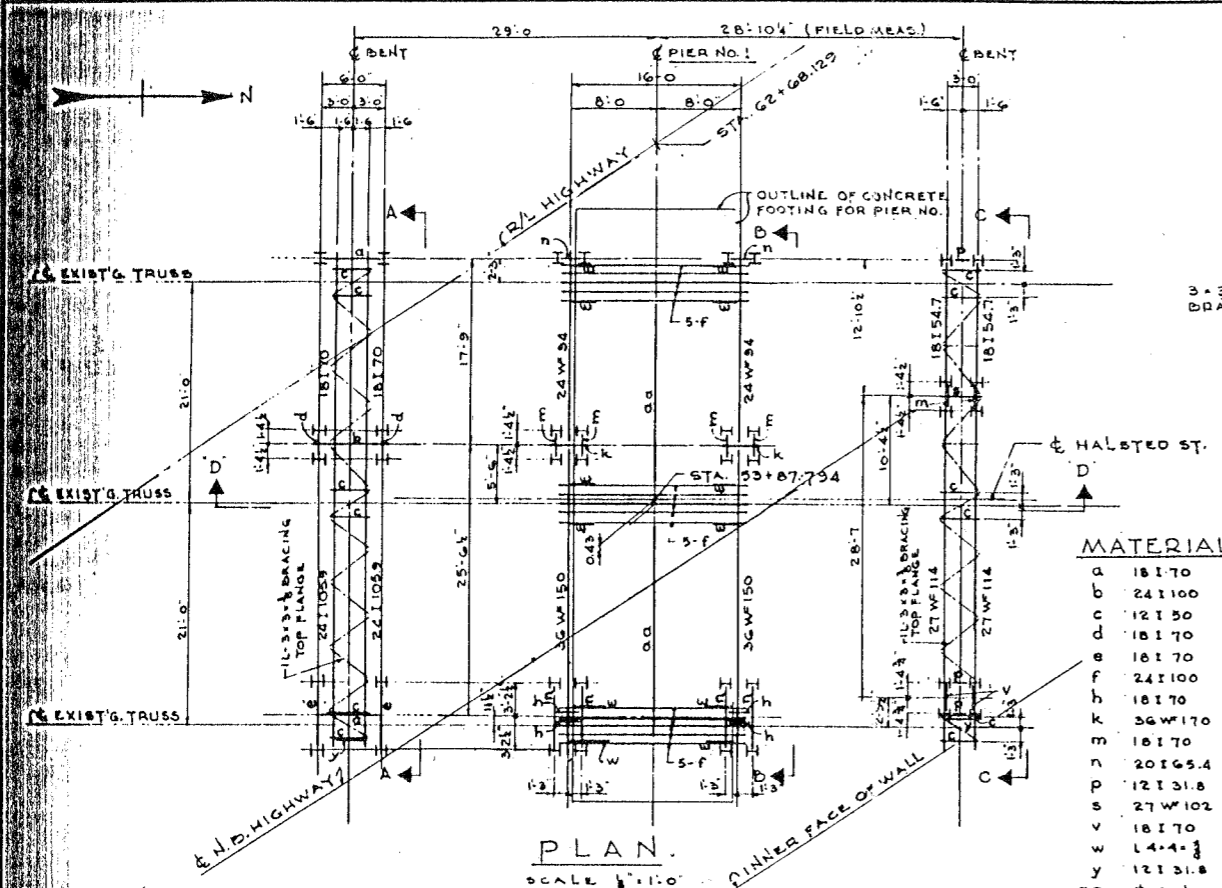
DIMENSION - C. HALSTED ST. TO C. TRUSS ON C. OF EXISTING VIADUCT.
AT PIER NO. 1 0.43'
AT PIER NO. 2 0.49'

THESE DIMENSIONS ARE THE BASIS OF THE TIE UP BETWEEN THE EXISTING VIADUCT AND THE SUPERHIGHWAY AND ARE TO BE VERIFIED BY THE CONTRACTOR.



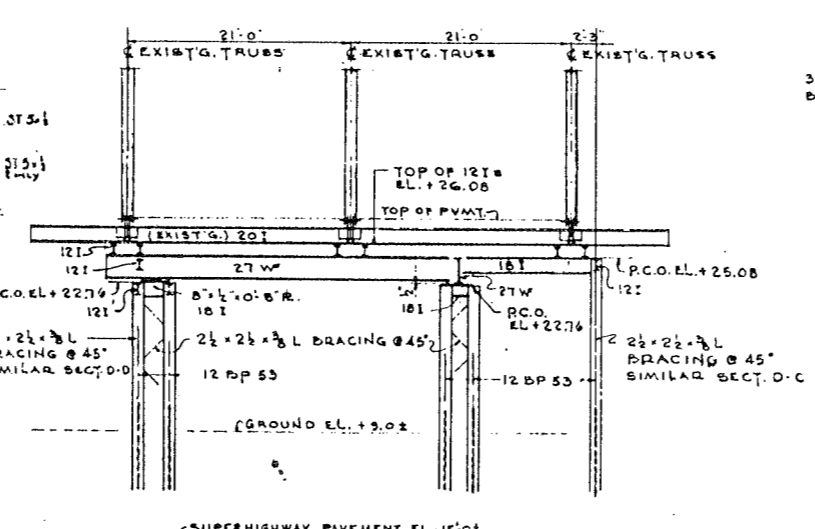
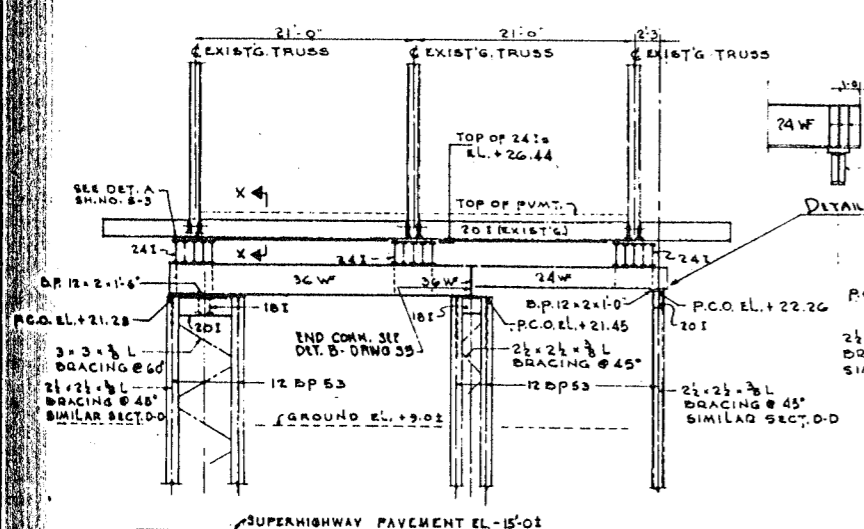
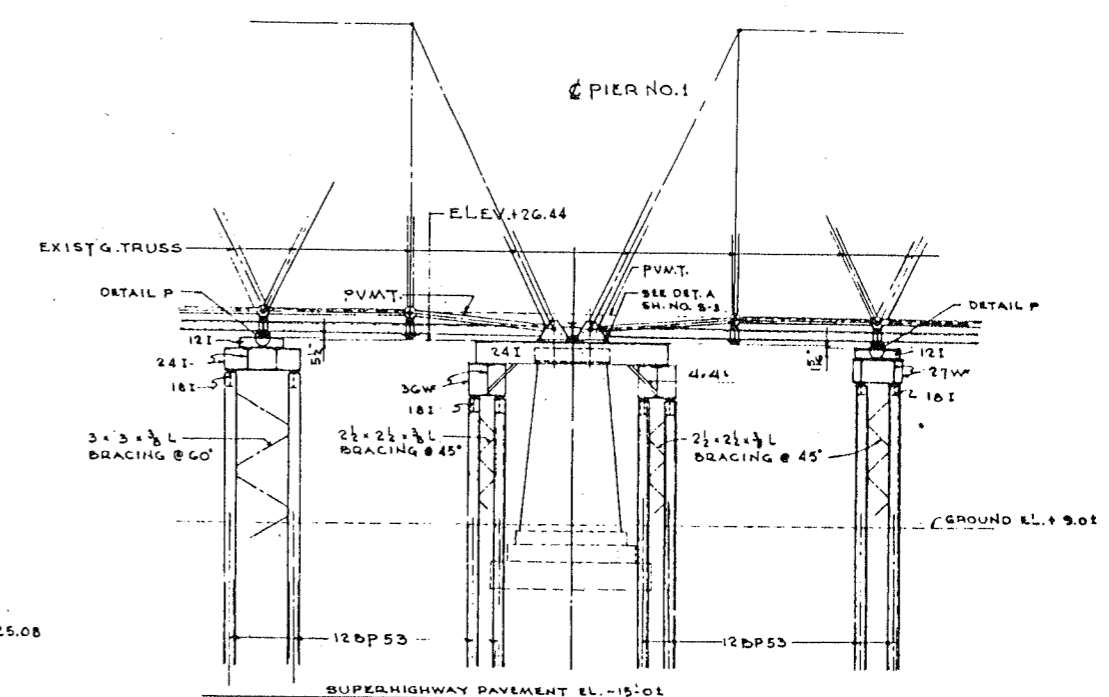
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
HALSTED ST. VIADUCT
GENERAL PLAN ALTERATIONS

SCALE: AS NOTED SHEET NO. S-1 OF 134 SHEETS DATE: MARCH 19, 1954



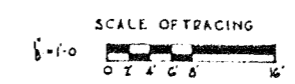
MATERIAL

a	18 I 70
b	24 I 100
c	12 I 50
d	18 I 70
e	18 I 70
f	24 I 100
h	18 I 70
k	36 W 170
m	18 I 70
n	20 I 65.4
p	12 I 31.8
s	27 W 102
v	18 I 70
w	L 4 x 3
y	12 I 31.8
aa	R 8 x 1/2 x 18-0



SECTION D-D
SCALE 1/8" = 1'-0"

NOTE: PILE CUT OFF ELEV'S SHOWN AS P.C.O. EL.
 DRIVE 12 BP 53 STEEL PILES TO SOFTEN CAPACITY.
 SECT. A-K ELEV. TOP OF 12 IS +26.65. THIS PROVIDES
 3" ALLOWANCE FOR TRUSS SAG AND SHIMS.
 SECT. C-C PROVIDES SIMILAR ALLOWANCE.
 PILE SPLICES TO BE FULL PENETRATION BUTT WELDS.
 ALL 12 BP 53 STEEL PILES TO HAVE MINIMUM PENETRATION
 OF 35" AFTER SPECIAL EXCAVATION HAS BEEN COMPLETED



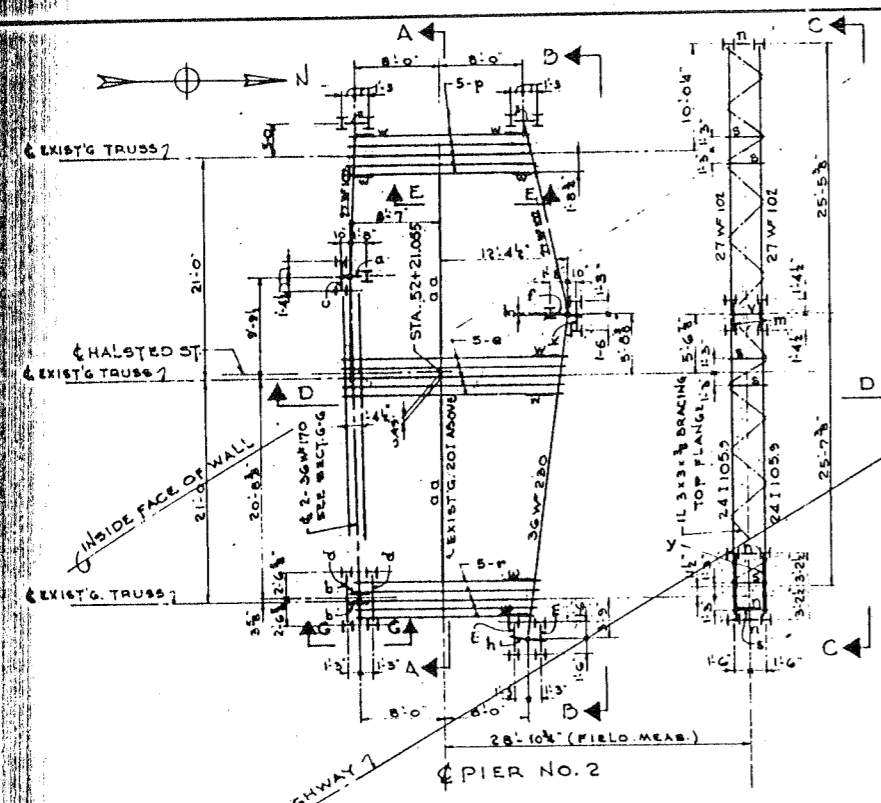
SECTION B-B
SCALE 1/8" = 1'-0"

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

SECTION X-X
SCALE 1/8" = 1'-0"

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 HALSTED ST. VIADUCT
 FALSEWORK PIER 1

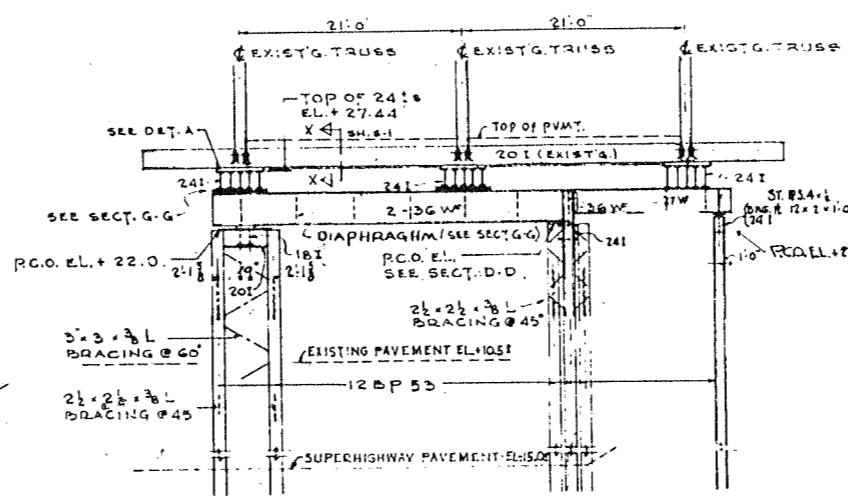
DE LEW, CATHER & CO. ENGINEERS
 DESIGNED BY H.E.M.
 DRAWN BY R.E.R.
 CHECKED W.B.D.
 IN CHARGE [Signature]



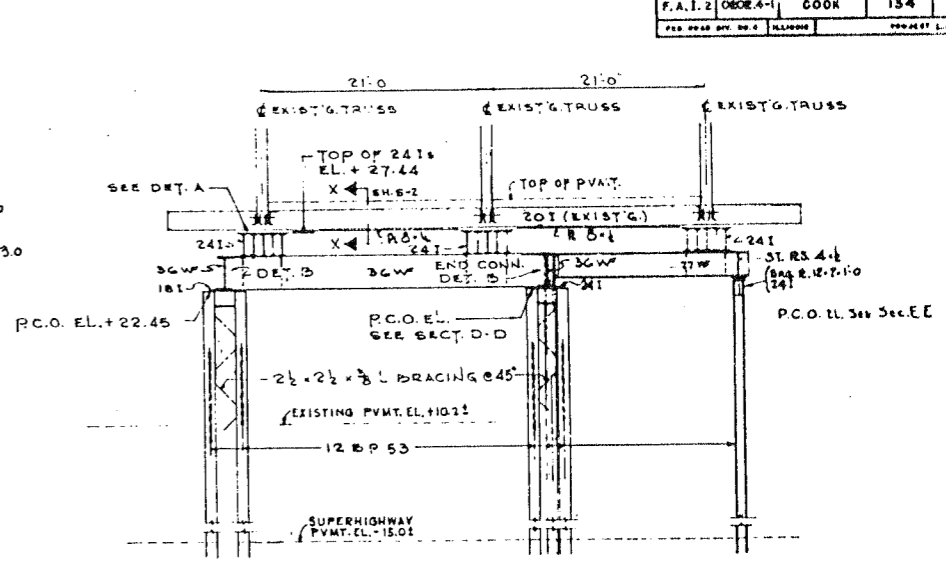
PLAN
SCALE 8" = 1'-0"

MATERIAL

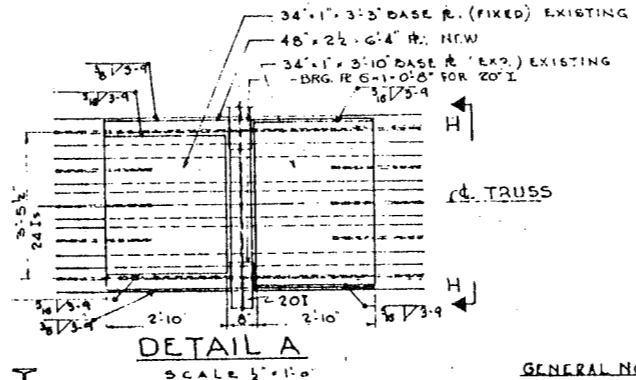
a	36W 170
b	24W 100
c	24W 100
d	24 1799
e	24 1120
f	36W 150
g	36W 230
h	24 1100
i	18 170
j	12 131.8
k	24 1100
l	24 1100
m	12 150
n	12 150
o	12 150
p	12 150
q	12 150
r	12 150
s	12 150
t	12 150
u	12 150
v	12 150
w	12 150
x	12 150
y	12 150
z	12 150
aa	12 150



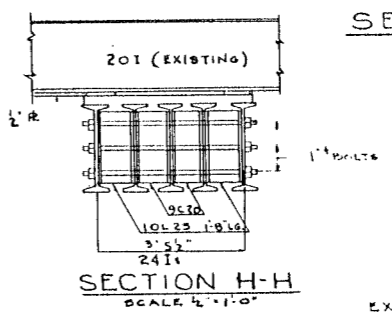
SECTION A-A SCALE 8" = 1'-0"



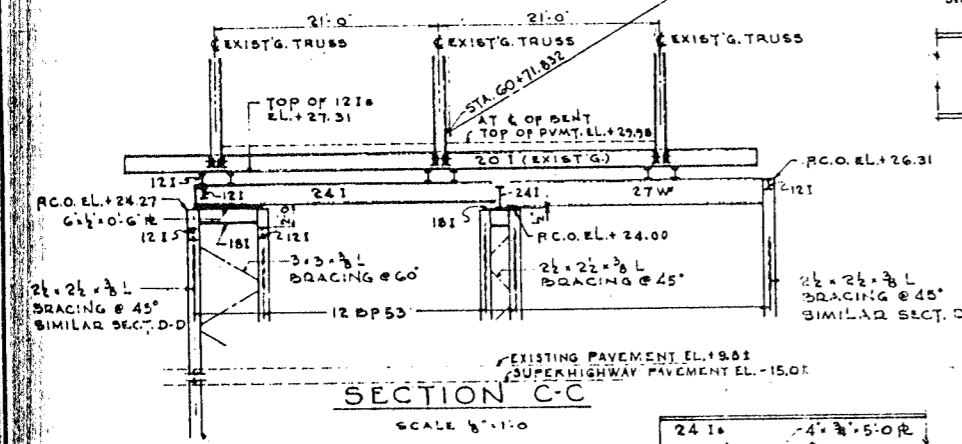
SECTION B-B SCALE 8" = 1'-0"



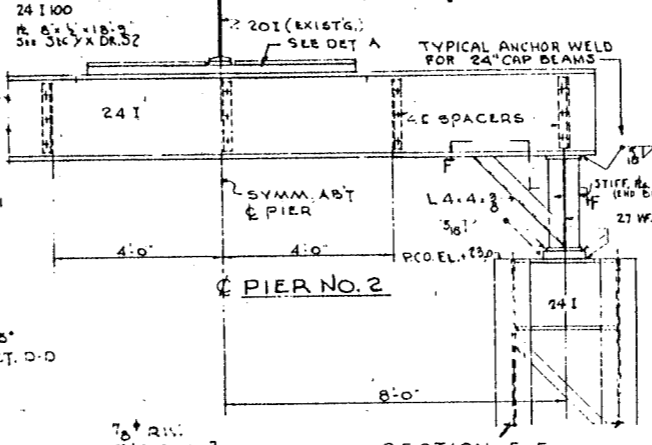
DETAIL A SCALE 8" = 1'-0"



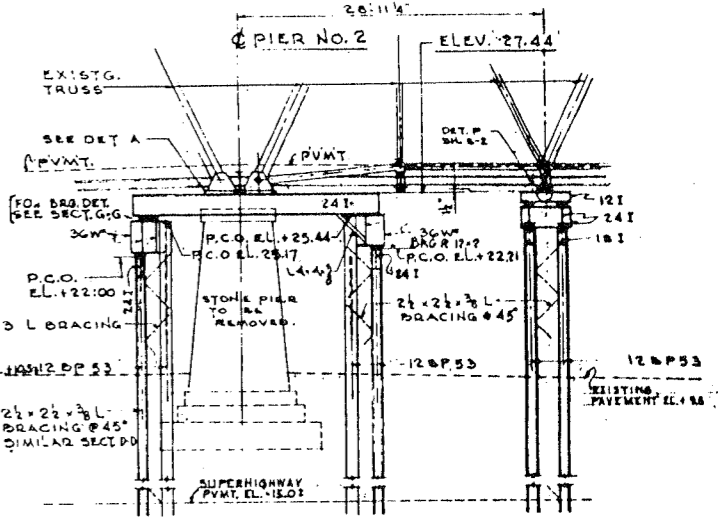
SECTION H-H SCALE 8" = 1'-0"



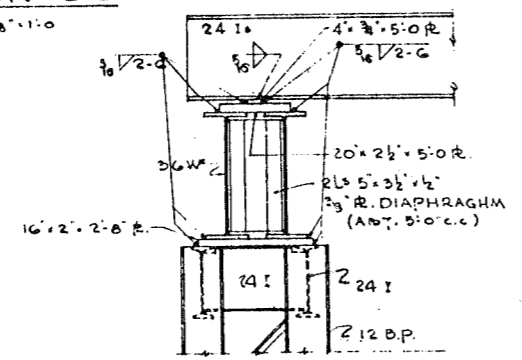
SECTION C-C SCALE 8" = 1'-0"



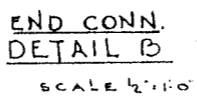
SECTION E-E SCALE 8" = 1'-0"



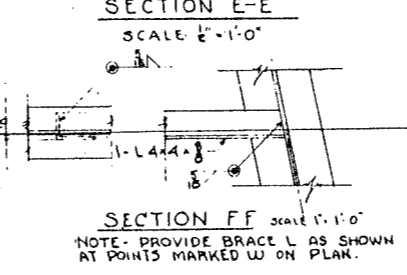
SECTION D-D SCALE 8" = 1'-0"



SECTION G-G SHOWING TYPICAL WELDS SCALE 8" = 1'-0"

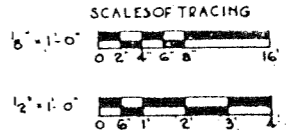


END CONN. DETAIL B SCALE 8" = 1'-0"



SECTION FF SCALE 8" = 1'-0"

GENERAL NOTES: STRUCTURAL-STEEL FALSEWORK
 WHERE FRAMED CONNECTIONS ARE SHOWN THE SHOP CONNECTIONS WILL BE 3/8" RIVETS THE FIELD CONNECTIONS WILL BE 3/8" RIB BOLTS USE STANDARD 'A' CONNECTIONS UNLESS OTHERWISE SHOWN.
 RIVETS OR BOLTS DESIGNED FOR:
 SHEAR @ 13,500 LBS.
 BEARING @ 27,000 LBS.
 WHERE END OF BEAM FRAMED TO STEEL PILE, THE CONNECTION WILL BE MADE BY FIELD WELDS. USE 3/8" FILLETS EXTENDING BETWEEN THE FLANGES ON BOTH SIDES OF THE WEB.
 SHEAR IN FILLET WELDS 17,400 LBS./IN. OF THROAT. FOR STEEL PILE NOTES SEE DRWG. 02.

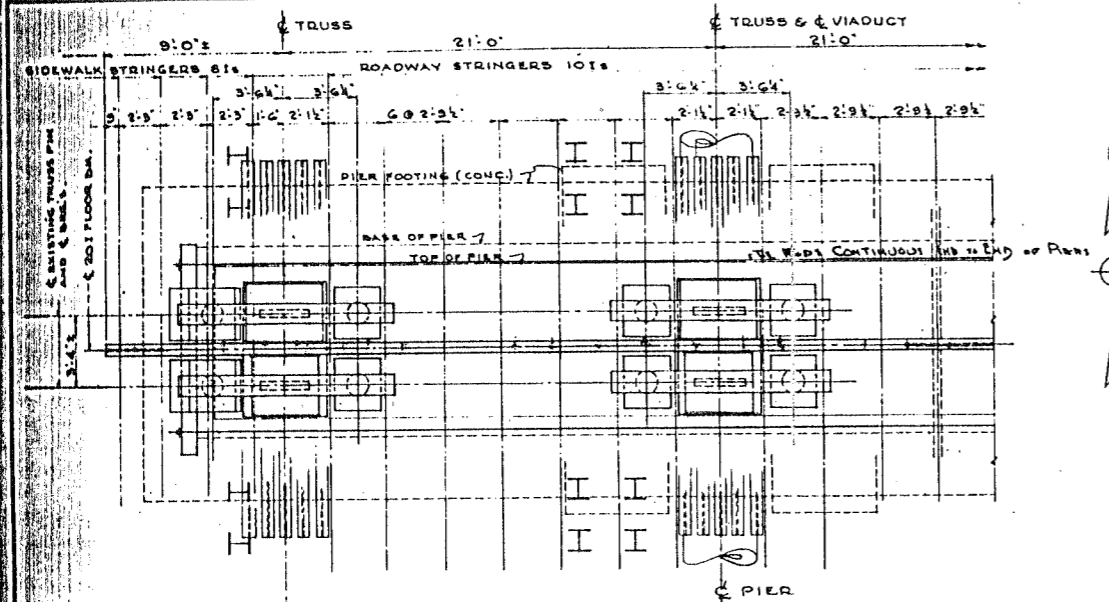


NOTE:
 PILE CUT OFF ELEV. SHOWN AS P.C.O. ELEV. C

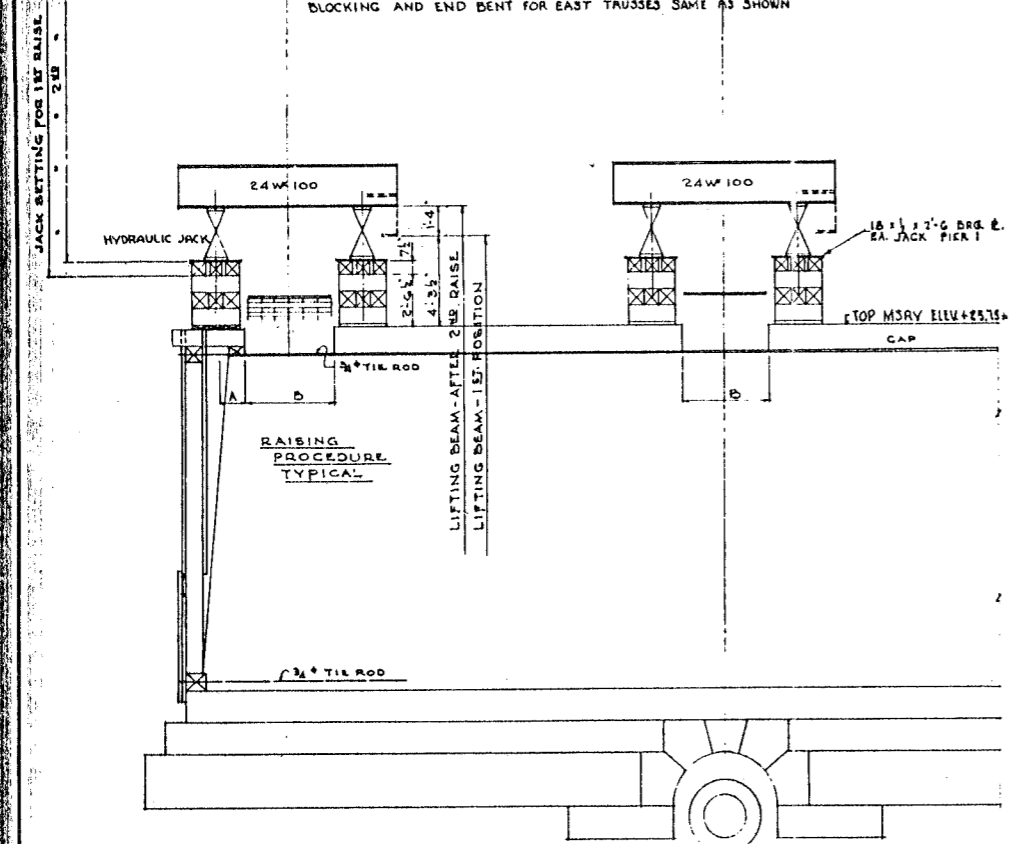
DE LEUW, CATHNER & CO. ENGINEERS
 DESIGNED BY H.E.W.
 DRAWN BY R.E.B.
 CHECKED W.B.D.
 IN CHARGE

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 HALSTED ST. VIADUCT
 FALSEWORK PIER 2

SCALE: AS NOTED
 DATE: MARCH 1954
 SHEET NO. 5-3 OF 134 SHEETS



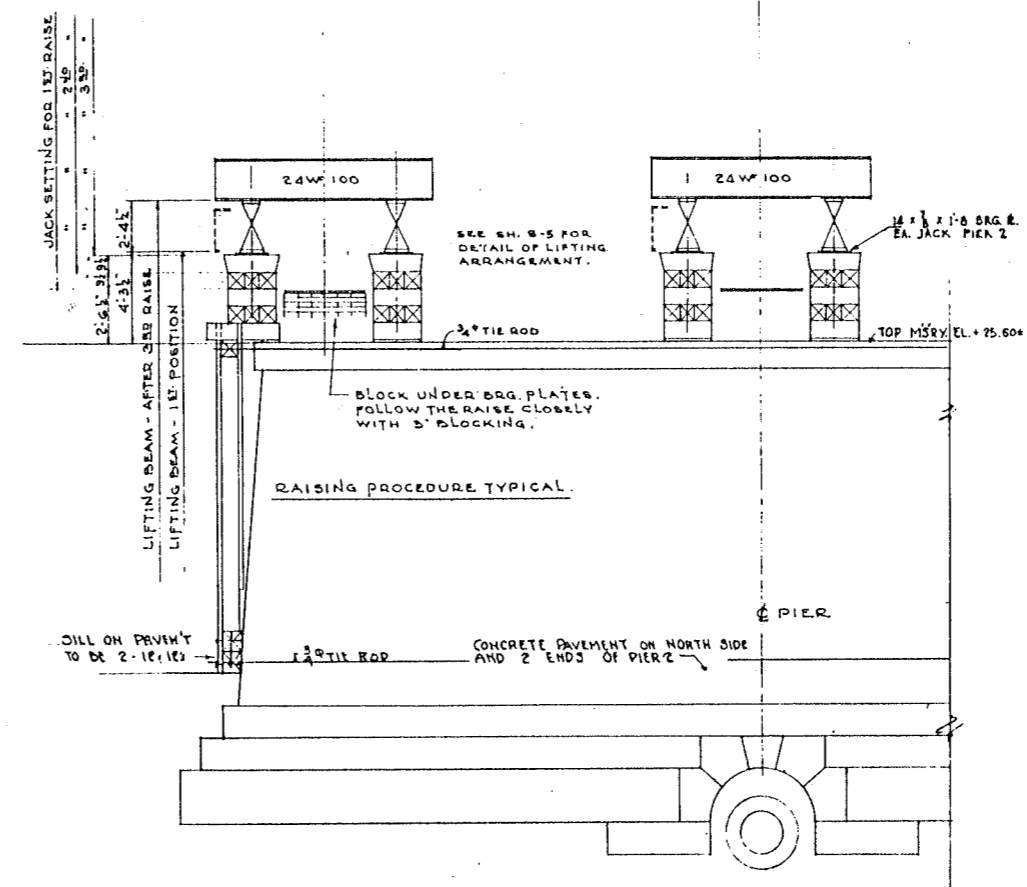
PIER NO.1 HALF PLAN
BLOCKING AND END BENT FOR EAST TRUSSES SAME AS SHOWN



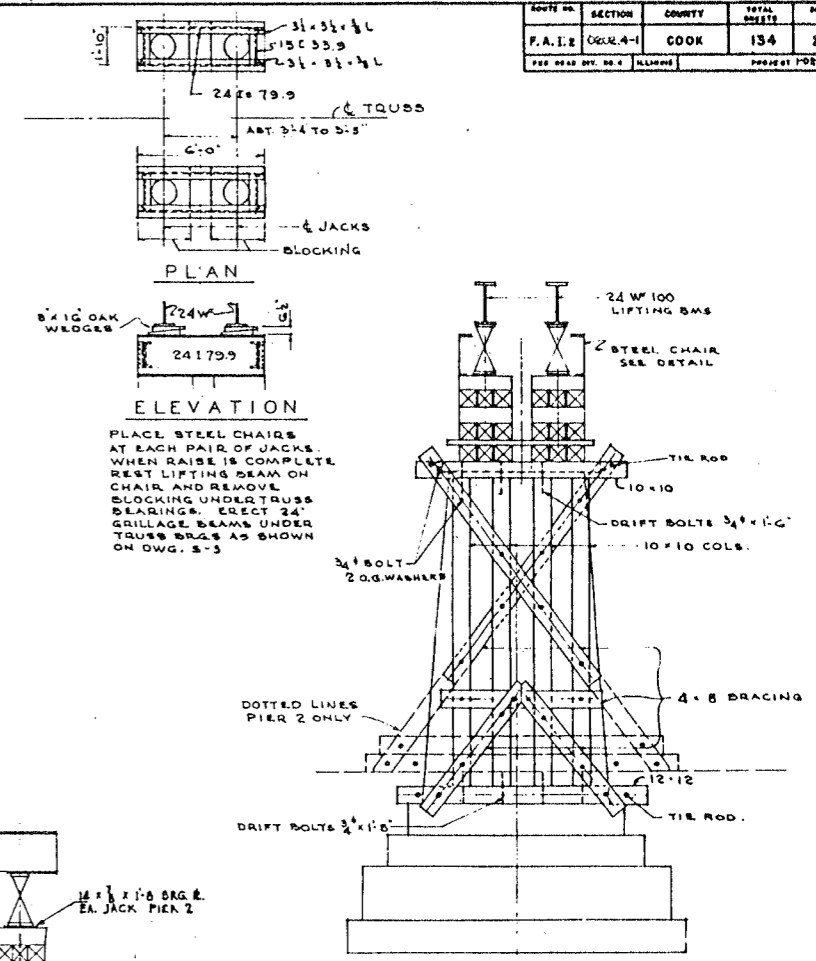
PIER NO.1 ELEVATION

12 60TON JACKS REQUIRED AT PIER 1. DO AT PIER 2.
PORTIONS OF CAP MARKED A TO BE REMOVED.
SET UP BLOCKING AND RAISE TRUSSES. REMOVE
PORTIONS OF CAP MARKED B AND SET GRILLAGE
BEAMS IN PLACE.

DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY H.E.W.
DRAWN BY R.E.B.
CHECKED W.B.D.
IN CHARGE *[Signature]*



PIER NO.2 ELEVATION



END ELEVATION - PIER NO.1
PIER NO.2 SIMILAR

NOTE
FOR PROCEDURE SEE SPECIAL
PROVISIONS OF SPECIFICATIONS.

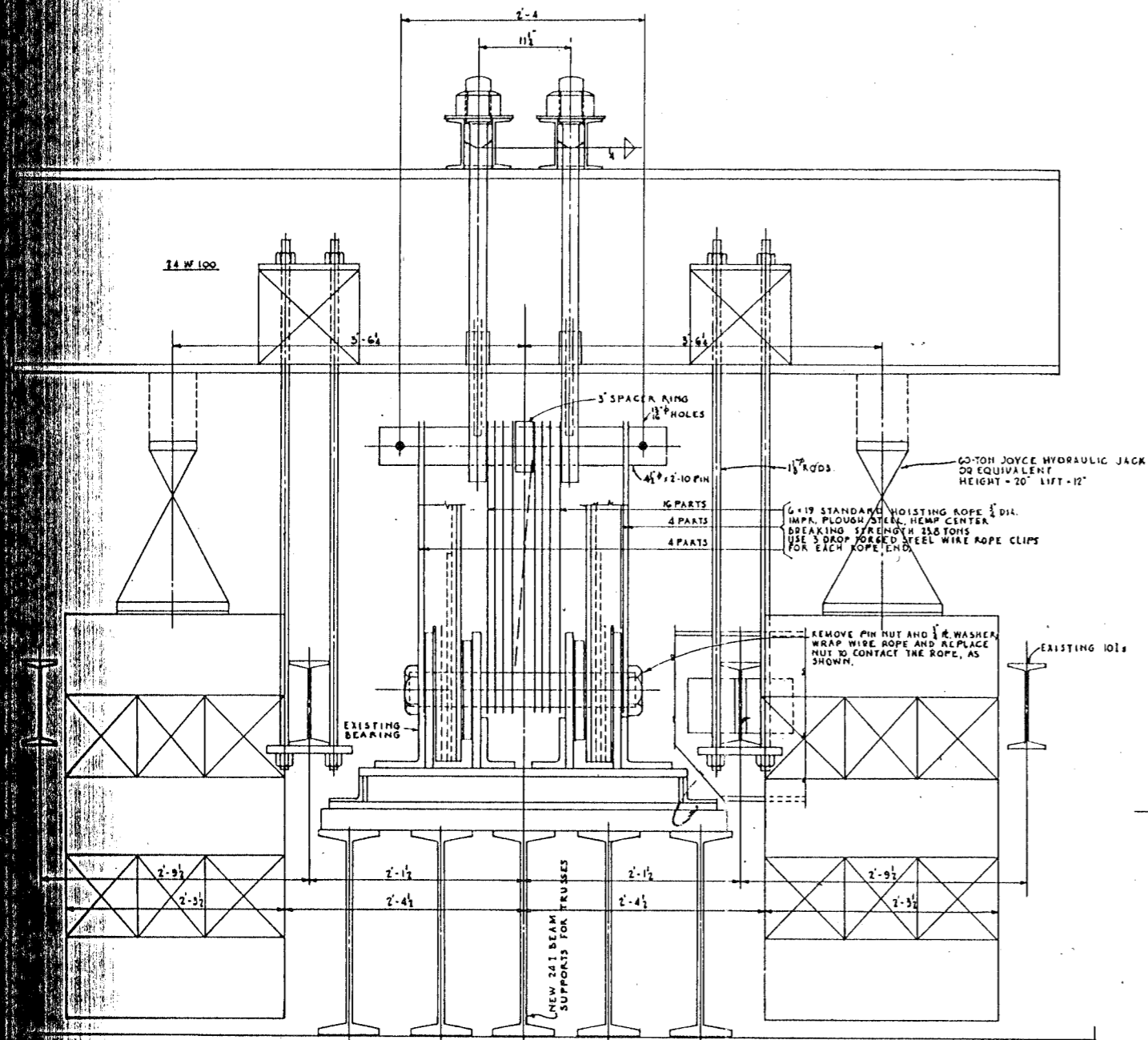
SCALE OF TRACING
1/4" = 1'-0"
0 1 2 3 4

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

HALSTED ST. VIADUCT
BLOCKING - PIERS 1 & 2

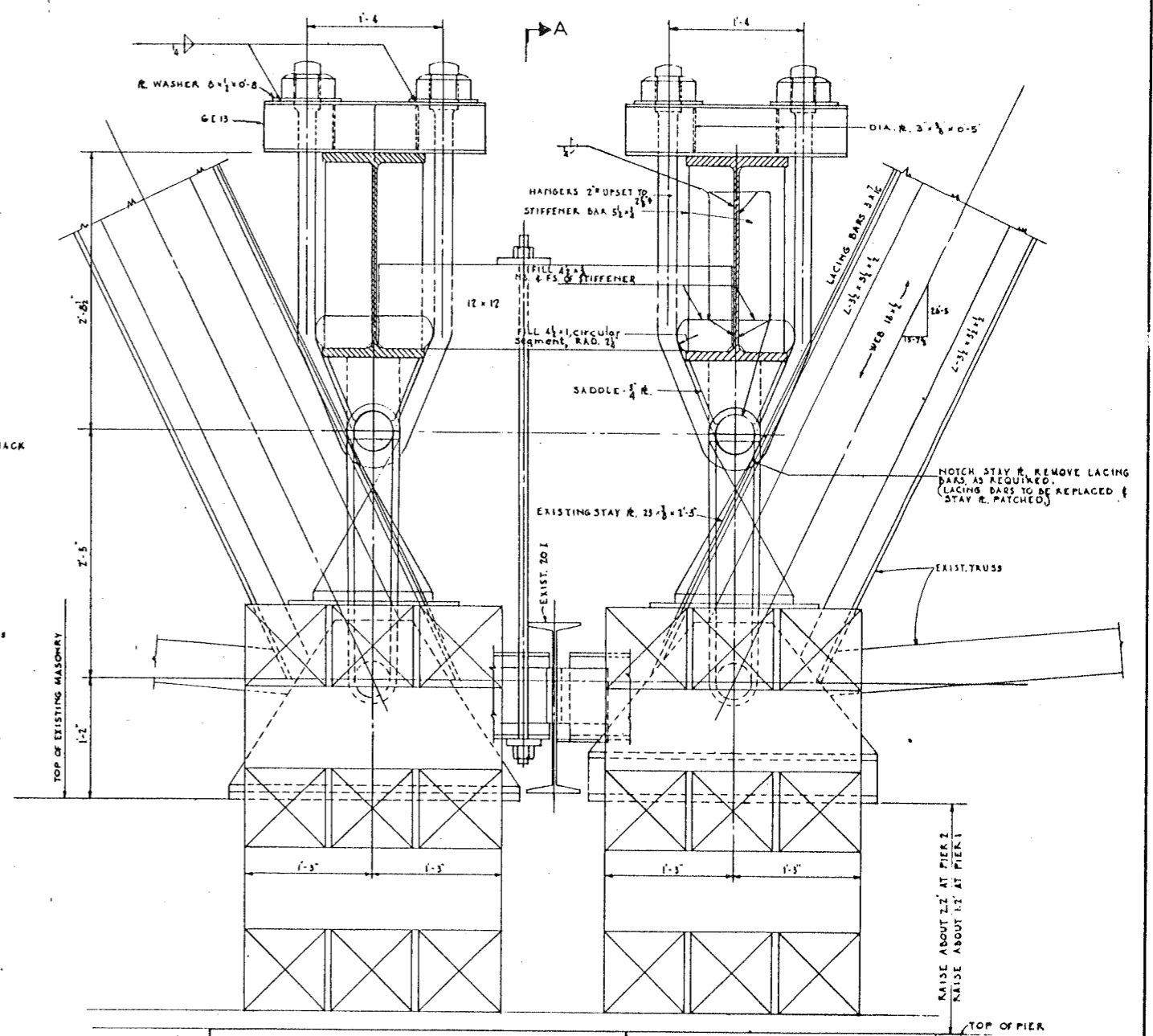
SCALE: 1/4" = 1'-0" DATE: MARCH 1957
SHEET NO. 5-4 OF 134 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 2	0202.4-1	CUJA	134	72
PER ORDER NO. 4	ILLINOIS	PROJECT I.O. 1126		



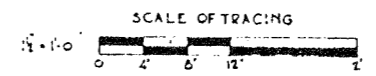
BEARINGS FOR CENTER TRUSSES AT PIER 2
IN RAISED POSITION.
SECTION A-A
LIFTING ARRANGEMENT SAME FOR ALL OTHERS.
FOR BLOCKING SEE SH. 5-4

LEON GATHER & CO. ENGINEERS
DESIGNED BY RAL
DRAWN BY RER
CHECKED BY RER
DATE 10/1/57



MATERIAL NOTE: UPSET HANGER BARS TO BE
A.I.S.I. SPEC. C-1020.
ALL OTHER STRUCTURAL STEEL A7.

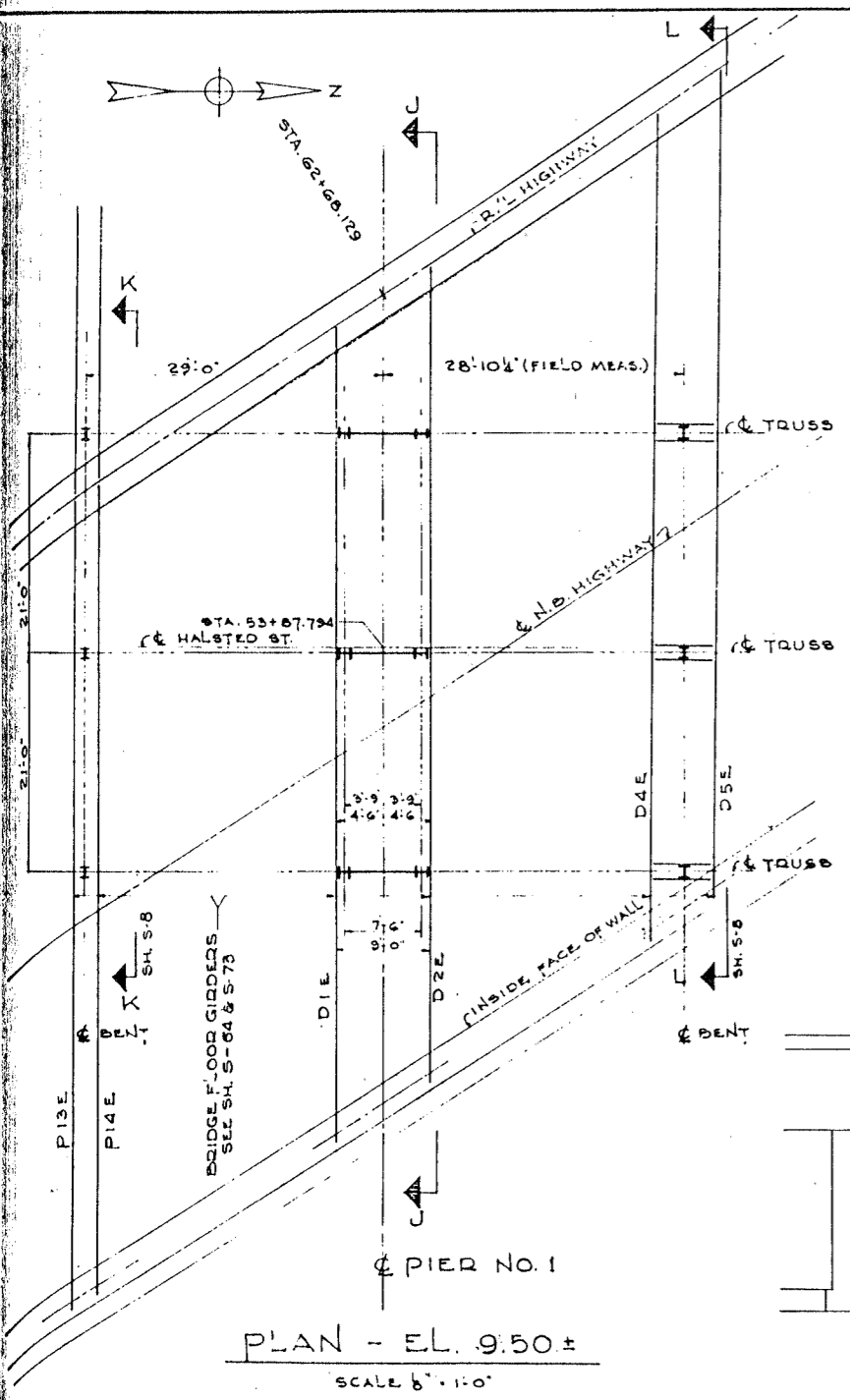
SECTION A-A
CENTER TRUSS BRGS.
AT PIER 2 - LOOKING WEST.



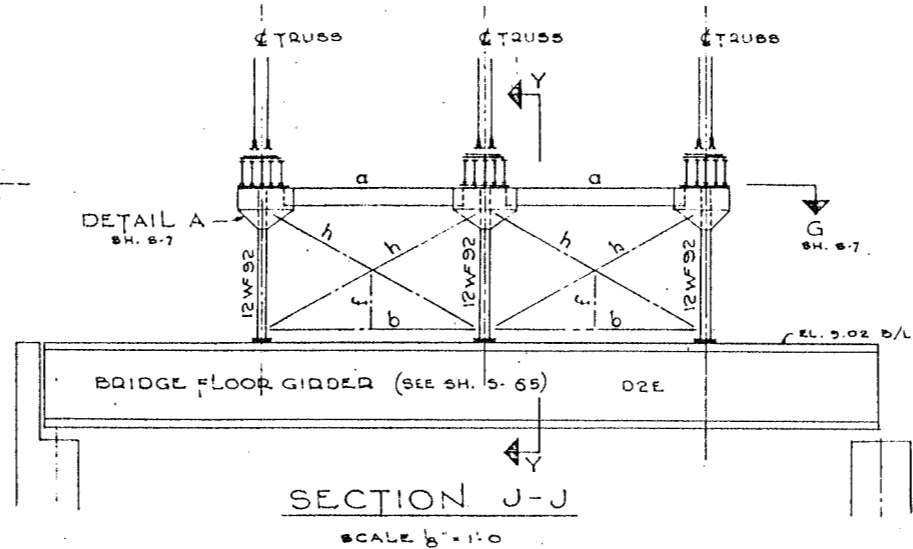
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
HALSTED ST. VIADUCT
LIFTING ARRANGEMENT

SCALE: AS NOTED DATE: MARCH 10, 1967
SHEET NO. 5-5 OF 134 SHEETS

DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 2	0202.4-1	COOK	134	23
DESIGNED BY: H.E.W.		DRAWN BY: H.E.W.		PROJECT: 1-02-2-361
CHECKED BY: H.E.W.		IN CHARGE: [Signature]		

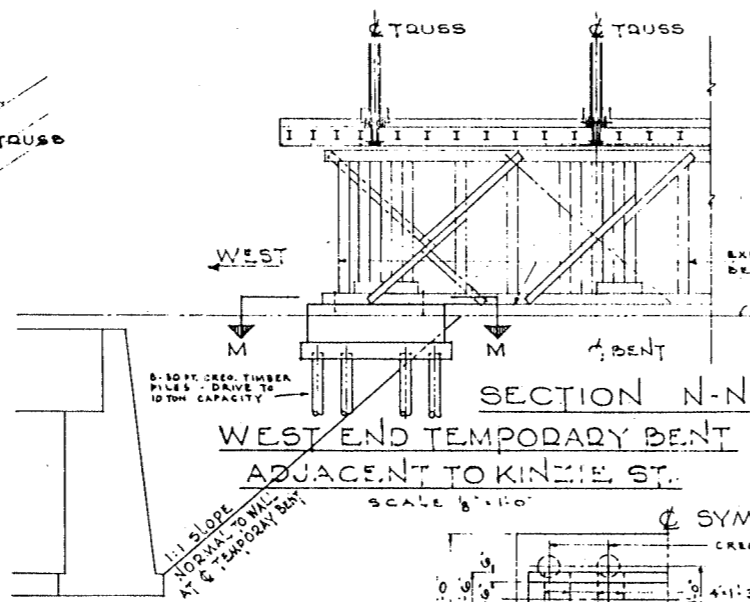


PLAN - EL. 9.50±
SCALE 6" = 1'-0"

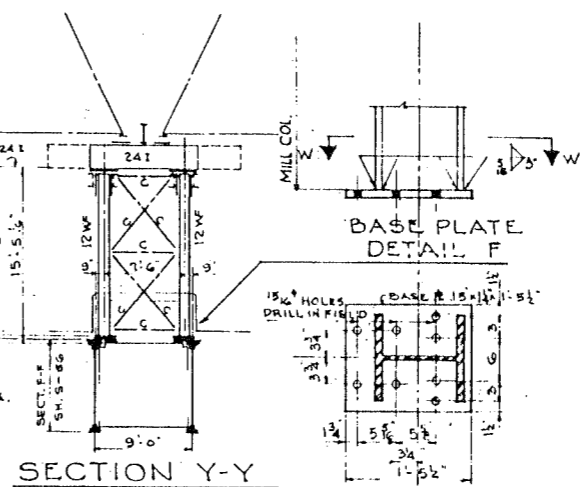


SECTION J-J
SCALE 6" = 1'-0"

LOWER CASE LETTERS DENOTE
MEMBERS SCHEDULED ON SH. 5-7

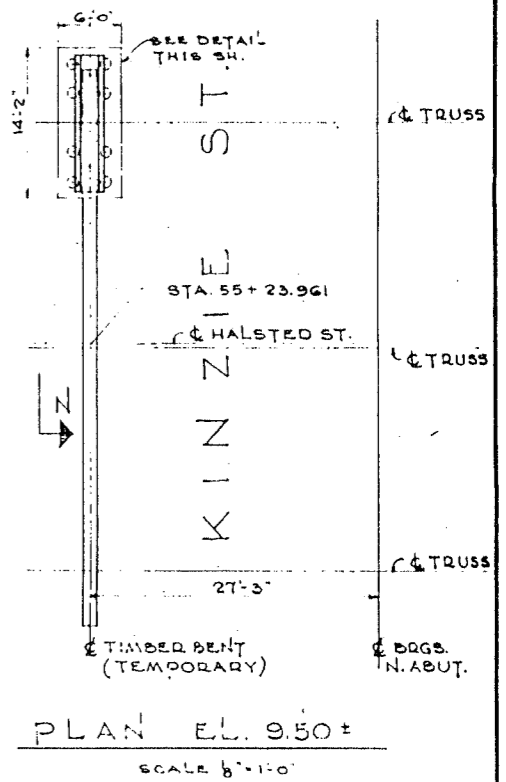


SECTION N-N
WEST END TEMPORARY BENT
ADJACENT TO KINZIE ST.
SCALE 6" = 1'-0"

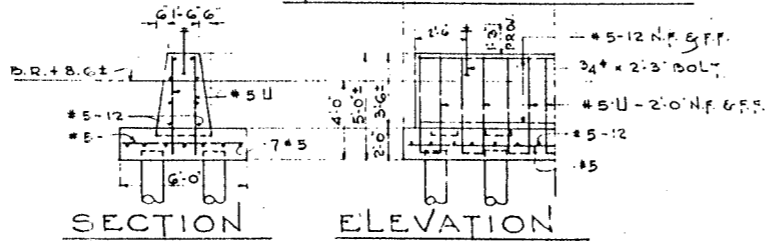
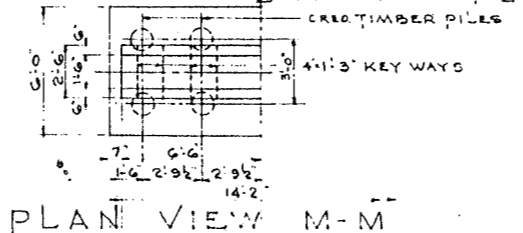


SECTION Y-Y
SCALE 6" = 1'-0"
THIS STEEL PIER SAME AS DETAIL A
SEC DD ON DRWG 57, EXCEPT AS NOTED.

SECTION W-W
SCALE 1" = 1'-0"



PLAN EL. 9.50±
SCALE 6" = 1'-0"

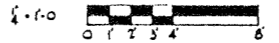
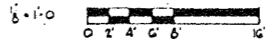


SECTION ELEVATION
SCALE 4" = 1'-0"

NOTES FOR STRUCTURAL STEEL FOR DRWGS 5-C, 5-7 & 5-B
MATERIAL: STRUCTURAL STEEL A.S.T.M. A-7 (CARBON GRADE)
OPEN HOLES 1 1/2" UNLESS NOTED.
RIVETS 3/4"
FIELD CONNECTIONS RIVETED UNLESS OTHERWISE SHOWN.
WELDING WHERE SHOWN SHALL BE METAL ARC WELDING IN ACCORDANCE WITH AMERICAN WELDING SOCIETY SPECIFICATIONS FOR WELDED HIGHWAY AND RAILWAY BRIDGES.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
HALSTED ST. VIADUCT
STEEL FRAMING PIER I

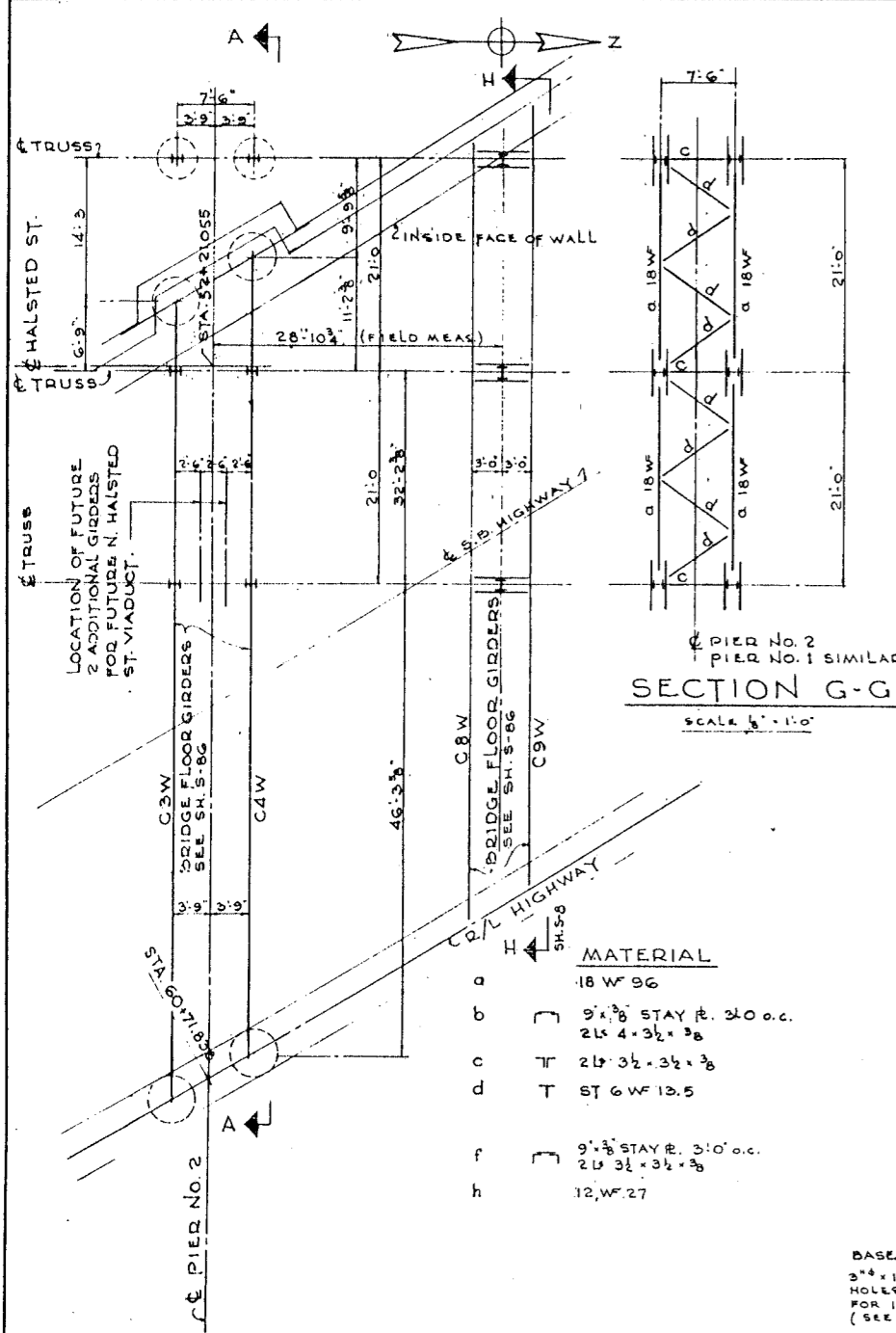
SCALES OF TRACING



SCALE: AS NOTED DATE: MARCH 19, 1907
SHEET NO. 5-6 OF 134 SHEETS

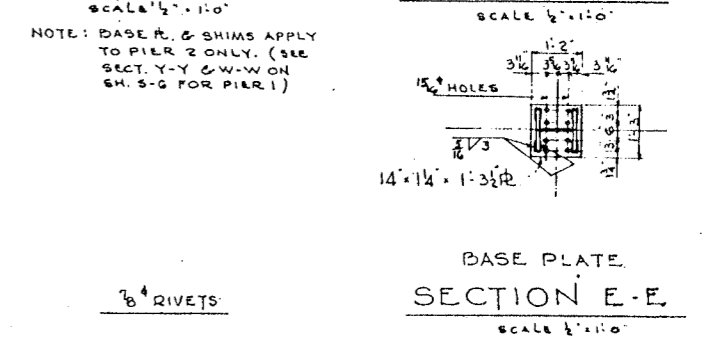
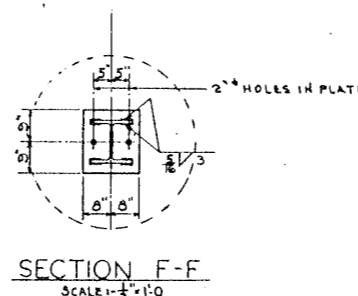
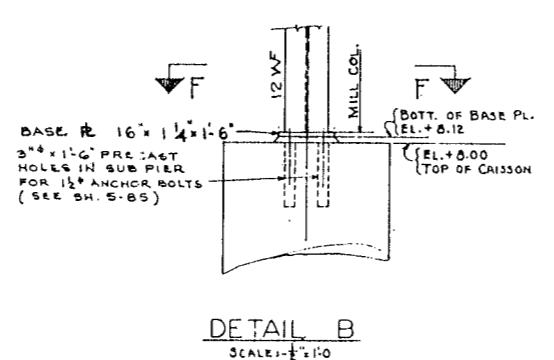
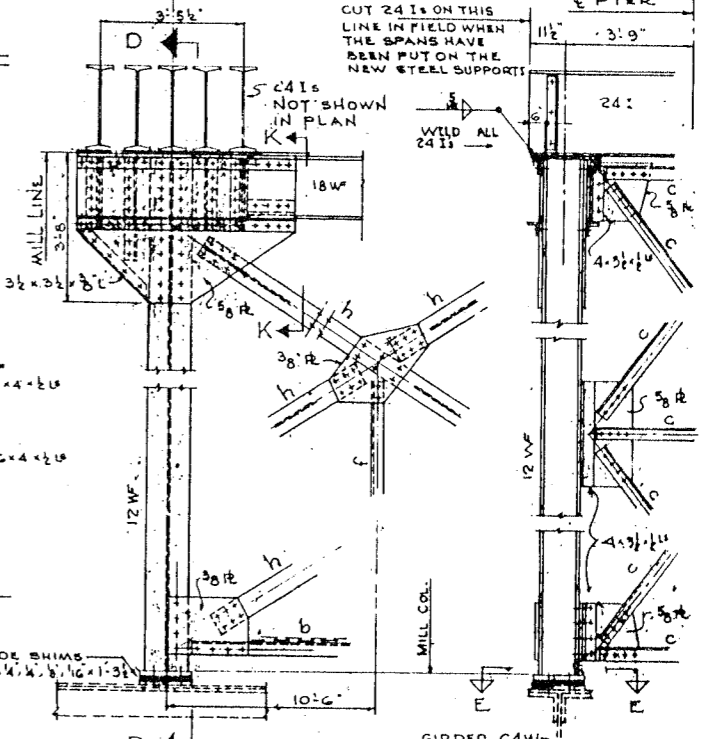
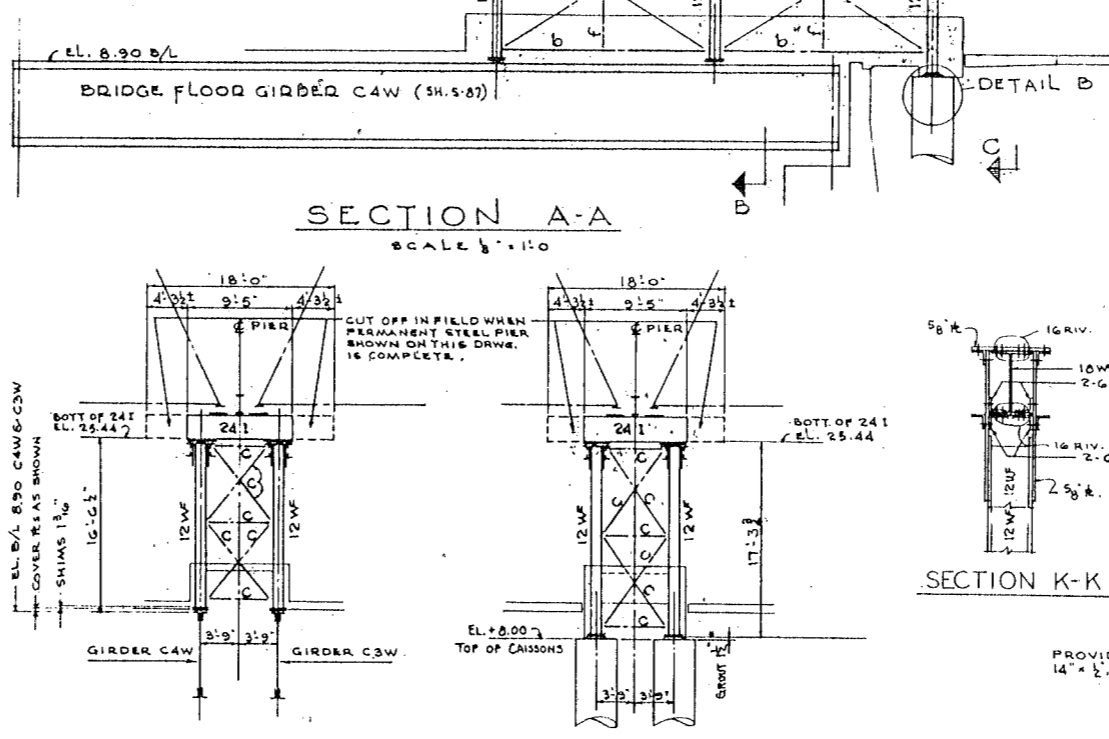
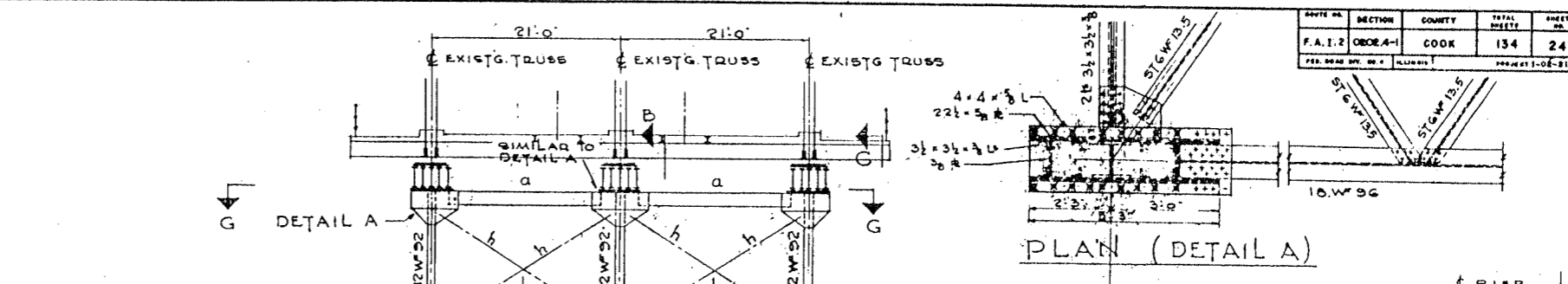
DE LEUW, CATHY & CO. ENGINEERS
DESIGNED BY: H.E.W.
DRAWN BY: H.E.W.
CHECKED BY: H.E.W.
IN CHARGE: [Signature]

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1-2	0202.4-1	COOK	134	24
FED. ROAD DIST. NO. 4	PLANET			PROJECT 1-02-2100

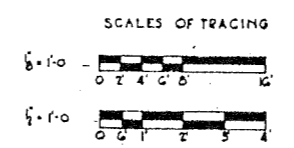


MATERIAL

a	18 W 96
b	9 x 3/8 STAY PL. 2'0" o.c.
c	2 1/2 x 4 x 3/8
d	T 2 1/2 x 3 1/2 x 3/8
e	T 6 W 13.5
f	9 x 3/8 STAY PL. 3'0" o.c.
g	2 1/2 x 3 1/2 x 3/8
h	12 W 27



DE LEUW, CATHER & CO. ENGINEERS
DESIGNED BY H.E.W.
DRAWN BY R.E.B.
CHECKED W.B.D.
IN CHARGE *[Signature]*

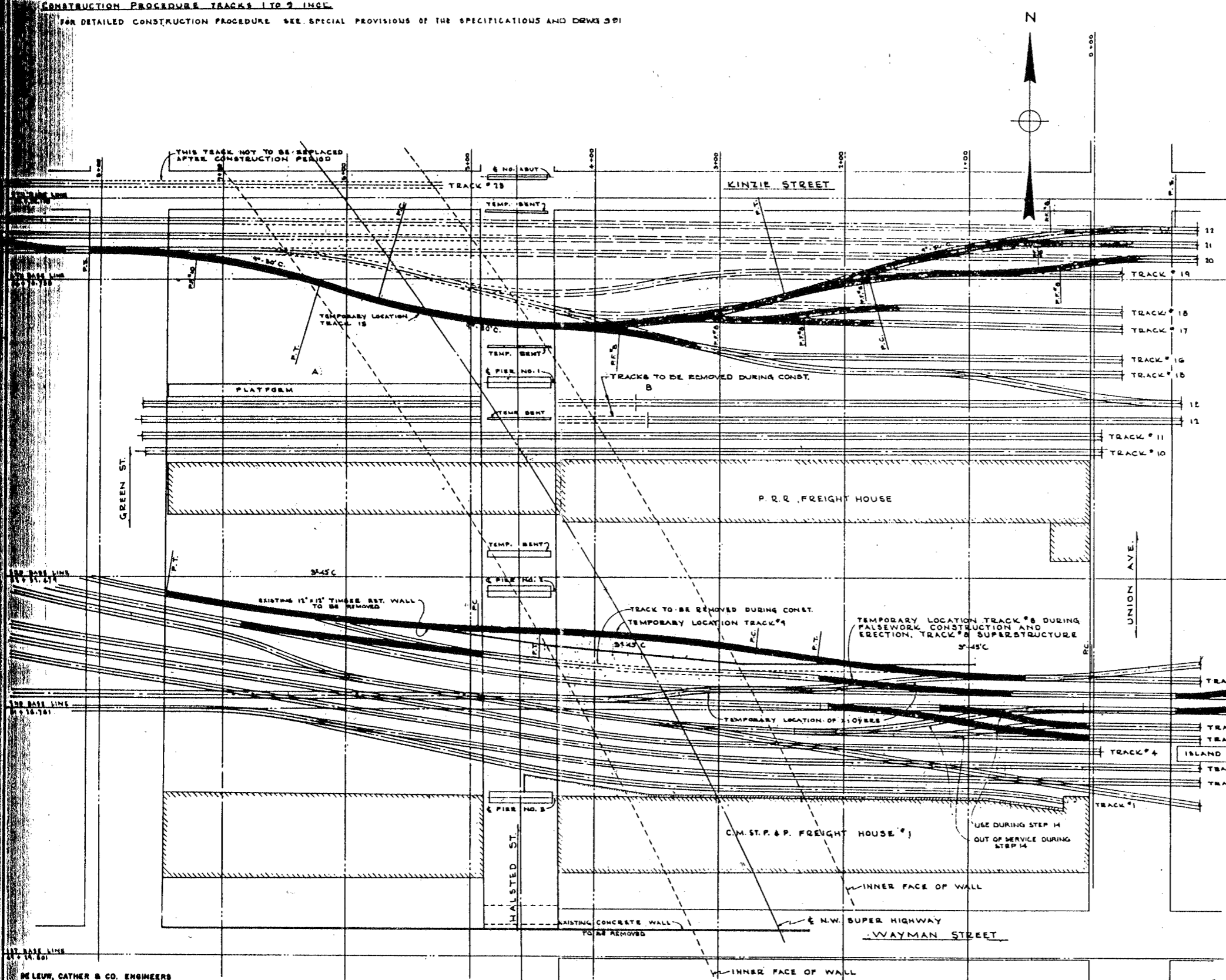


CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
HALSTED ST VIADUCT
STEEL FRAMING PIER 2

SCALE: AS NOTED
DATE: MARCH 10, 1905
SHEET NO. 5-7 OF 134 SHEETS

CONSTRUCTION PROCEDURE TRACKS 1 TO 9 INCL.
 FOR DETAILED CONSTRUCTION PROCEDURE SEE SPECIAL PROVISIONS OF THE SPECIFICATIONS AND DRAWG 301

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.E.	0202.4-1	COOK	134	26
PREPARED BY: [Signature]		PROJECT NO. [Number]		

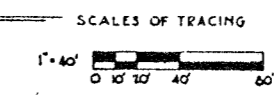
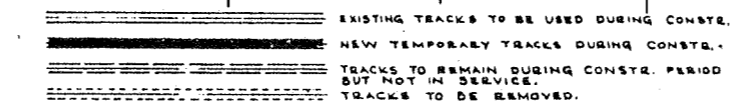


- CONSTRUCTION PROCEDURE TRACKS 15 TO 22 INCL. & EASTERLY TRACKS 12 & 13**
1. CONSTRUCT TEMPORARY TRESTLE FOR FALSEWORK FOR TRK 15 AS SHOWN ON DRWG 515 & 510
 2. RELOCATE TRACK 15 (LEAD TO TEAM TRACKS), MOVING TURNOUT TO WEST SIDE OF GREEN ST.
 3. PLACE TRACK 15 ON FALSEWORK.
 4. RELOCATE CONNECTIONS AND MAKE TEMPORARY CHANGES IN TRACKS 16, 17, 18, 19, 20, 21 AND 22 EAST OF THE EAST LINE OF HALSTED ST.
 5. REMOVE TRACKS 15, 20, 21, 22 AND 23 & EASTERLY TRACKS 12 & 13 BETWEEN LIMITS OF EXCAVATION FOR CONSTRUCTION OF SUBSTRUCTURE. CONSTRUCT SUBSTRUCTURE.
 6. ERECT, WATERPROOF, AND BALLAST ALL SUPERSTRUCTURE BETWEEN SOUTH LINE OF KINZIE ST. AND TEMPORARY LOCATION OF TRACK 15 & EASTERLY PORTION TRACKS 12 & 13.
 7. REPLACE TRACKS 12, 20, 21 & 22 & EASTERLY TRACKS 12 & 13 IN ORIGINAL LOCATION.
 8. REMOVE TEMPORARY CONNECTIONS EAST OF THE EAST LINE OF HALSTED ST. & RESTORE TRACKS 15, 17, 18, 19, 20, 21 AND 22 TO ORIGINAL LOCATION.
 9. AFTER ERECTION OF SUPERSTRUCTURE NORTH OF TRACK 15, CONSTRUCT STRUTS BETWEEN FOOTINGS AND BACKFILL BEHIND ABUTMENTS, NORTH OF TRACK 15.

- CONSTRUCTION PROCEDURE BALANCE TRACKS 10 TO 15 INCL.**
- GENERAL - A PORTION OF ALL TRACKS WILL BE AVAILABLE BETWEEN POINTS (A) & (B) FOR ONE 6-HOUR PERIOD IN EACH 24 HOURS FOR CONSTRUCTION OF FALSEWORK AND FOR ERECTION OF SUPERSTRUCTURE. DURING FALSEWORK CONSTRUCTION A PORTION OF ALL TRACKS BETWEEN (A) & (B) IMMEDIATELY NORTH OF THE TRACK ON WHICH CONSTRUCTION IS IN PROGRESS WILL BE KEPT CLEAR. DURING THIS 6-HOUR PERIOD FOR THE MOVEMENT IN AND OUT OF EQUIPMENT AND MATERIAL. DURING ERECTION OF THE SUPERSTRUCTURE THE TRACK FOR WHICH SUPERSTRUCTURE IS BEING ERECTED WILL BE AVAILABLE BETWEEN THE POINT OF ERECTION AND THE YARD WEST OF HALSTED STREET AND ALSO THE PORTION OF THE ADJACENT TRACKS OPPOSITE THE POINT OF ERECTION. AT THE END OF EACH 6-HOUR PERIOD ALL TRACKS WILL BE RETURNED TO SERVICE.
- ERECTION OF SUPERSTRUCTURE**
1. SET CAR WITH ONE PAIR OF GIRDERS AT WEST SPAN OF TRACK 11 WITH DERRICK ON EACH END OF CAR.
 2. REMOVE FALSEWORK FOR WEST SPAN OF TRACK 10 AND SET FIRST PAIR OF GIRDERS FOR TRACK 10. REPEAT STEPS 1 & 2 UNTIL COMPLETE TRACK UNIT FOR WEST SPAN OF TRACK 10 IS IN PLACE.
 3. PLACE DECK PLATE ACCURATELY IN POSITION AND APPLY SUFFICIENT LUGS TO HOLD IN PLACE WHILE PLACING TEMPORARY TRACK BLOCKING.
 4. PLACE TEMPORARY TRACK BLOCKING, REPLACE TRACK AND RESTORE TRACK TO SERVICE. REPEAT STEPS 1 TO 4 TO ERECT EAST SPAN OF TRACK 10.
 5. WELD AND COMPLETE FASTENING DECK PLATES WHILE TRACKS ARE IN SERVICE.
 6. REPEAT STEPS 1 TO 5 FOR ERECTION OF SUPERSTRUCTURE FOR TRACK 11.
 7. WITH DERRICKS AND CAR WITH GIRDERS ON TRACK 10 AND DERRICKS ON TRACK 11, ERECT GIRDERS PISE #W AND PILE #W. ERECT BENT SUPPORTING HALSTED STREET BRIDGE. REMOVE HALSTED ST. BRIDGE FALSEWORK AT THIS POINT.
 8. WITH DERRICKS AND CAR WITH GIRDERS ON TRACK 11, ERECT TRACK 12 GIRDERS.
 9. REPEAT STEPS 3, 4 & 5 FOR TRACK 12.
 10. WITH DERRICKS ON TRACK 12 AND CAR WITH GIRDERS ON TRACK 11, ERECT GIRDERS FOR TRACK 13 UP TO AND INCLUDING GIRDERS P10 W.
 11. REPEAT STEPS 3, 4 & 5 FOR TRACK 13.
 12. WITH DERRICKS AND CAR WITH GIRDERS ON TRACK 13, ERECT GIRDERS DIE # D1E. ERECT PERMANENT HALSTED STREET BRIDGE SUPPORTS AND REMOVE HALSTED STREET BRIDGE FALSEWORK AT THIS POINT.
 13. FROM TRACK 13 ERECT REMAINING PENN. R.R. TRACK GIRDERS.
 14. REPEAT STEPS 3, 4 & 5 FOR THIS AREA.
 15. BEGINNING AT TRACK 10, REMOVE TRACKS 10, 11, 12 & 13 (AND TEMPORARY BLOCKING) SUCCESSIVELY, WATER PROOF DECK, AND RESTORE TRACKS ON TEMPORARY BLOCKING.
 16. AFTER AND DURING COMPLETION OF WATER PROOFING FOR TRACKS 10 TO 13, CONSTRUCT STRUTS BETWEEN FOOTINGS, BACKFILL ABUTMENTS, REMOVE TEMPORARY BLOCKING AND APPLY BALLAST TRACKS 10 TO 13.

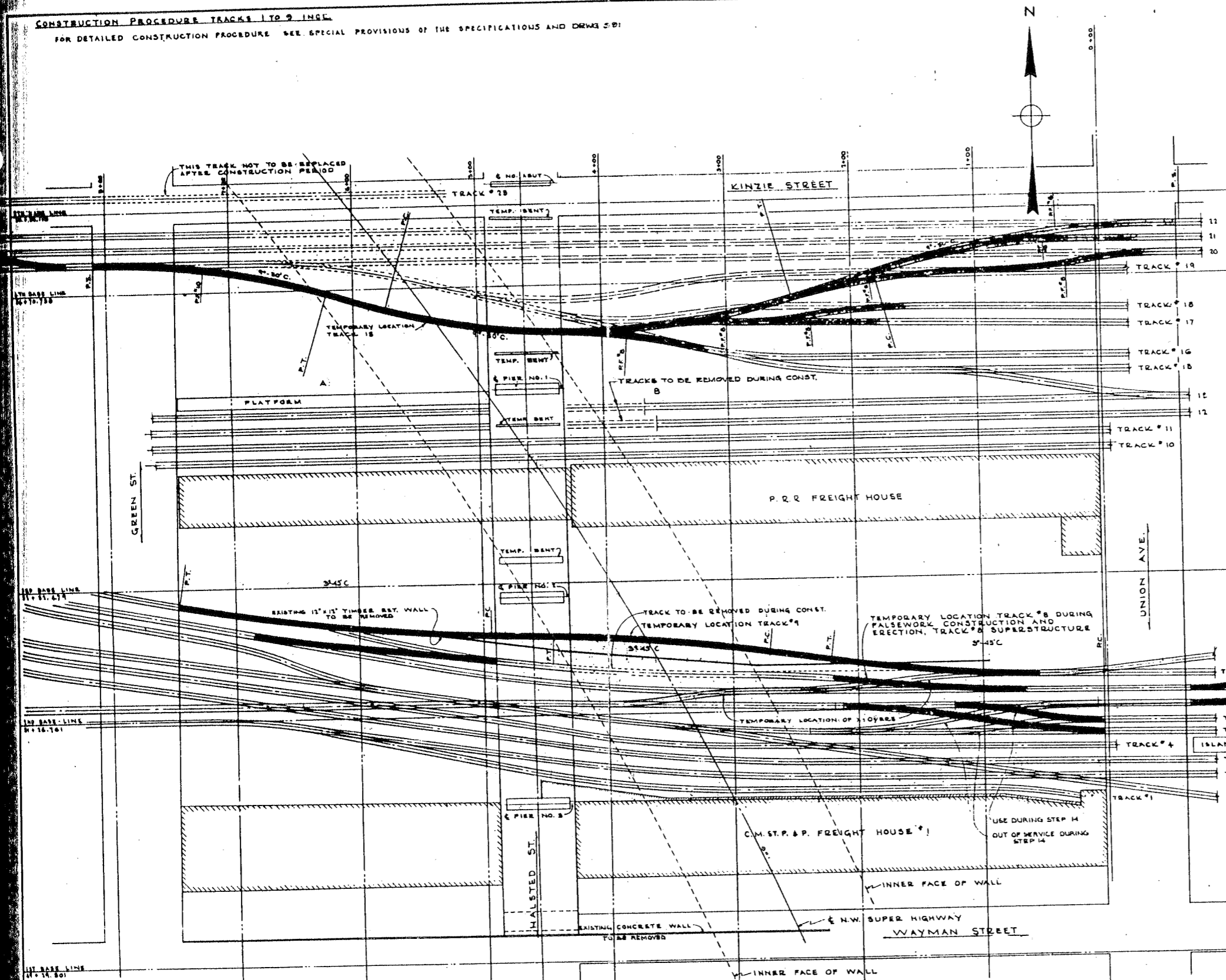
- NOTE: THE RAILROAD COMPANIES WILL DO ALL TRACK WORK WITH THEIR OWN FORCE.**
- CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.**
- TRACK PLAN**
- SCALE: AS NOTED
- DATE: MARCH, 1957
- SHEET NO. 5-9 OF 134 SHEETS

DE LEW, CATHER & CO. ENGINEERS
 DESIGNED BY F.M.
 DRAWN BY E.C.
 CHECKED B.A.L.
 IN CHARGE [Signature]



DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 2	0202.4-1	COOK	134	26
PREPARED BY: G. A. ALLWOOD			PROJECT NO. 134	

CONSTRUCTION PROCEDURE TRACKS 1 TO 9 INCL.
FOR DETAILED CONSTRUCTION PROCEDURE SEE SPECIAL PROVISIONS OF THE SPECIFICATIONS AND DRAWING S-D1



- CONSTRUCTION PROCEDURE TRACKS 15 TO 22 INCL. & EASTELY TRKS 12 & 13**
1. CONSTRUCT TEMPORARY TRETTLE FOR FALSEWORK FOR TRK #15 AS SHOWN ON DRWG. S15 & S16
 2. RELOCATE TRACK #15 (LEAD TO TEAM TRACKS), MOVING TURNOUT TO WEST SIDE OF GREEN ST.
 3. PLACE TRACK #15 ON FALSEWORK.
 4. RELOCATE CONNECTIONS AND MAKE TEMPORARY CHANGES IN TRACKS #16, 17, 18, 19, 20, 21 AND 22 EAST OF THE EAST LINE OF HALSTED ST.
 5. REMOVE TRACKS 15, 20, 21, 22 AND 23 & EASTELY TRKS 12 & 13 BY LIMITS OF EXCAV FOR CONSTRUCTION OF SUBSTRUCTURE. CONSTRUCT SUBSTRUCTURE.
 6. ERECT, WATERPROOF, AND BALLAST ALL SUPERSTRUCTURE BETWEEN SOUTH LINE OF KINZIE ST. AND TEMPORARY LOCATION OF TRACK #15 & EASTELY PORTION TRKS 12 & 13.
 7. REPLACE TRACKS #15, 20, 21 & 22 & EASTELY TRKS 12 & 13 IN ORIGINAL LOCATION.
 8. REMOVE TEMPORARY CONNECTIONS EAST OF THE EAST LINE OF HALSTED ST. & RESTORE TRACKS #15, 16, 17, 18, 19, 20, 21 AND 22 TO ORIGINAL LOCATION.
 9. AFTER ERECTION OF SUPERSTRUCTURE NORTH OF TRACK #13, CONSTRUCT STREETS BETWEEN FOOTINGS AND BACKFILL BEHIND ABUTMENTS, NORTH OF TRACK #13.

CONSTRUCTION PROCEDURE BALANCE TRACKS 10 TO 15 INCL.

GENERAL - A PORTION OF ALL TRACKS WILL BE AVAILABLE BETWEEN POINTS (A) & (B) FOR ONE 6-HOUR PERIOD IN EACH 24 HOURS FOR CONSTRUCTION OF FALSEWORK AND FOR ERECTION OF SUPERSTRUCTURE. DURING FALSEWORK CONSTRUCTION A PORTION OF ALL TRACKS BETWEEN (A) & (B) IMMEDIATELY NORTH OF THE TRACK ON WHICH CONSTRUCTION IS IN PROGRESS WILL BE KEPT CLEAR DURING THIS 6-HOUR PERIOD FOR THE MOVEMENT IN AND OUT OF EQUIPMENT AND MATERIAL. DURING ERECTION OF THE SUPERSTRUCTURE THE TRACK FOR WHICH SUPERSTRUCTURE IS BEING ERECTED WILL BE AVAILABLE BETWEEN THE POINT OF ERECTION AND THE YARD WEST OF HALSTED STREET AND ALSO THE PORTION OF THE ADJACENT TRACKS OPPOSITE THE POINT OF ERECTION. AT THE END OF EACH 6-HOUR PERIOD ALL TRACKS WILL BE RETURNED TO SERVICE.

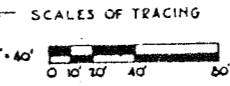
ERECTION OF SUPERSTRUCTURE

1. SET CAR WITH ONE PAIR OF GIRDERS AT WEST SPAN OF TRACK 10 WITH DERRICK ON EACH END OF CAR.
2. REMOVE FALSEWORK FOR WEST SPAN OF TRACK 10 AND SET FIRST PAIR OF GIRDERS FOR TRACK 10. REPEAT STEPS 1 & 2 UNTIL COMPLETE TRACK UNIT FOR WEST SPAN OF TRACK 10 IS IN PLACE.
3. PLACE DECK PLATE ACCURATELY IN POSITION AND APPLY SUFFICIENT LUGS TO HOLD IN PLACE WHILE PLACING TEMPORARY TRACK BLOCKING.
4. PLACE TEMPORARY TRACK BLOCKING, REPLACE TRACK AND RESTORE TRACK TO SERVICE. REPEAT STEPS 1 TO 4 TO ERECT EAST SPAN OF TRACK 10.
5. WELD AND COMPLETE FASTENING DECK PLATES WHILE TRACKS ARE IN SERVICE.
6. REPEAT STEPS 1 TO 5 FOR ERECTION OF SUPERSTRUCTURE FOR TRACK 11.
7. WITH DERRICKS AND CAR WITH GIRDERS ON TRACK 11, REMOVE FALSEWORK TRACK 11, ERECT GIRDERS PISE #W AND PISE #W. ERECT BENT SUPPORTING HALSTED STREET BRIDGE. REMOVE HALSTED ST. BRIDGE FALSEWORK AT THIS POINT.
8. WITH DERRICKS AND CAR WITH GIRDERS ON TRACK 11, ERECT TRACK 12 GIRDERS.
9. REPEAT STEPS 3, 4 & 5 FOR TRACK 12.
10. WITH DERRICKS ON TRACK 12 AND CAR WITH GIRDERS ON TRACK 11, ERECT GIRDERS FOR TRACK 13 UP TO AND INCLUDING GIRDERS P10W.
11. REPEAT STEPS 3, 4 & 5 FOR TRACK 13.
12. WITH DERRICKS AND CAR WITH GIRDERS ON TRACK 13, ERECT GIRDERS DIE # D18. ERECT PERMANENT HALSTED STREET BRIDGE SUPPORTS AND REMOVE HALSTED STREET BRIDGE FALSEWORK AT THIS POINT.
13. FROM TRACK 13 ERECT REMAINING PENN. R.R. TRACK GIRDERS.
14. REPEAT STEPS 3, 4 & 5 FOR THIS AREA.
15. BEGINNING AT TRACK 10, REMOVE TRACKS 10, 11, 12 & 13 (AND TEMPORARY BLOCKING) SUCCESSIVELY, WATER PROOF DECK, AND RESTORE TRACKS ON TEMPORARY BLOCKING.
16. AFTER AND DURING COMPLETION OF WATER PROOFING FOR TRACKS 10 TO 13, CONSTRUCT STREETS BETWEEN FOOTINGS, BACKFILL ABUTMENTS, REMOVE TEMPORARY BLOCKING AND APPLY BALLAST TRACKS 10 TO 13.

NOTE: THE RAILROAD COMPANIES WILL DO ALL TRACK WORK WITH THEIR OWN FORCE.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

TRACK PLAN



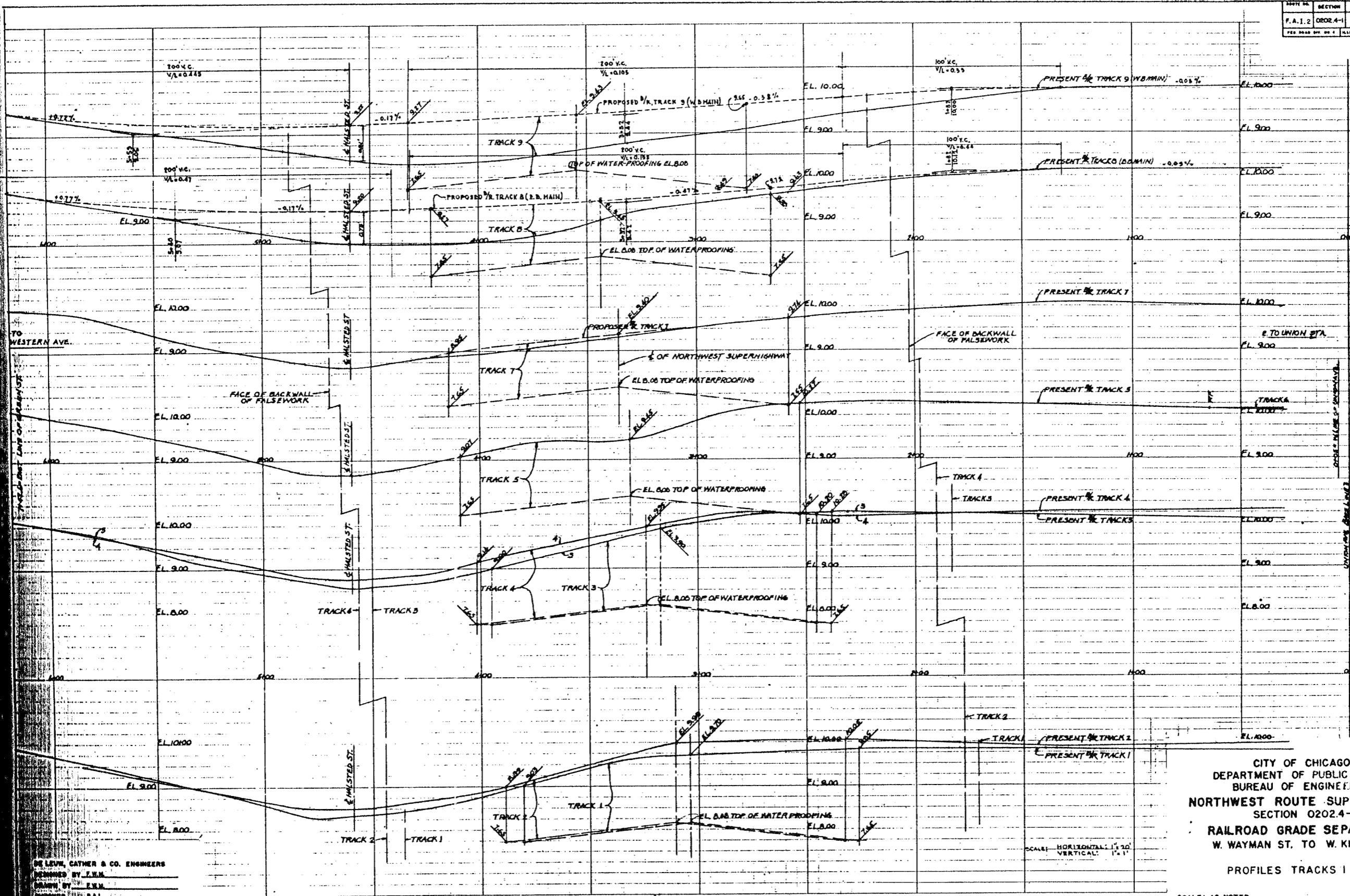
SCALE: AS NOTED

DATE: MARCH 19, 1967
SHEET NO. 5-9 OF 134 SHEETS

DE LEUW, CATHER & CO. ENGINEERS
DESIGNED BY: E.F.M.
DRAWN BY: E.F.
CHECKED: B.A.L.
IN CHARGE: [Signature]

EXISTING TRACKS TO BE USED DURING CONST.
NEW TEMPORARY TRACKS DURING CONST.
TRACKS TO REMAIN DURING CONST. PERIOD BUT NOT IN SERVICE.
TRACKS TO BE REMOVED.

NOTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	27
PER ROAD DIST. NO. 4		ALHAMBRA	PROJECT 1-02-2103	



TO WESTERN AVE.

NOTE: STATIONING IS MEASURED ALONG E.A.W. BASE LINE

DE LEW, GAYHER & CO. ENGINEERS
 DESIGNED BY F.W.M.
 DRAWN BY F.W.M.
 CHECKED BY S.A.L.
 IN CHARGE W.B. Manning

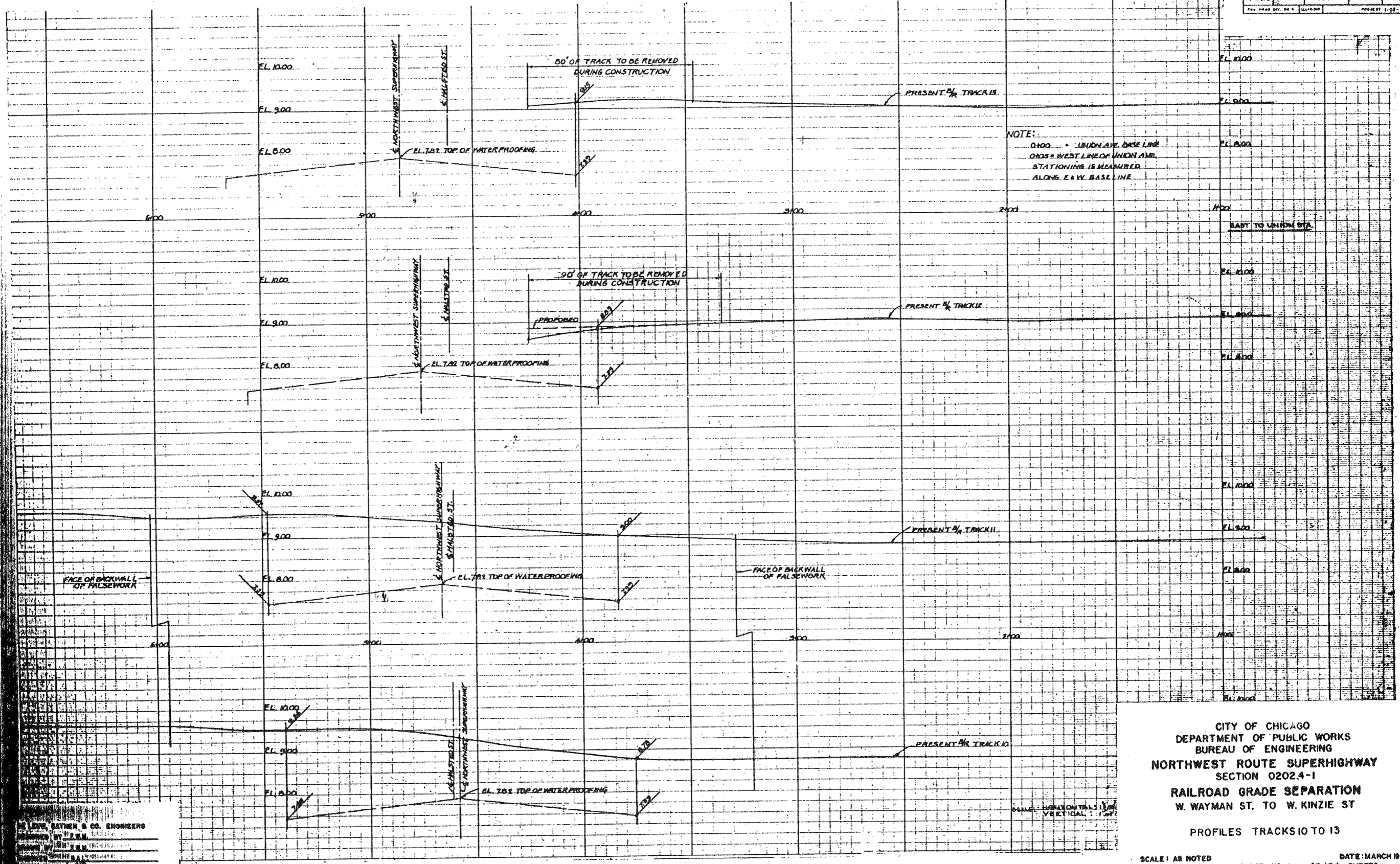
PRINTED IN U.S.A.
 ON 100% RAG PAPER MADE IN U.S.A.

SCALE: HORIZONTAL 1" = 20'
 VERTICAL 1" = 1'

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 PROFILES TRACKS 1 TO 9

SCALE: AS NOTED DATE: MARCH 19, 1957
 SHEET NO. 5-10 OF 134 SHEETS

STATE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	28
PROJ. MAP DIST. NO. 4	ILLINOIS			PROJECT 1-02-1514

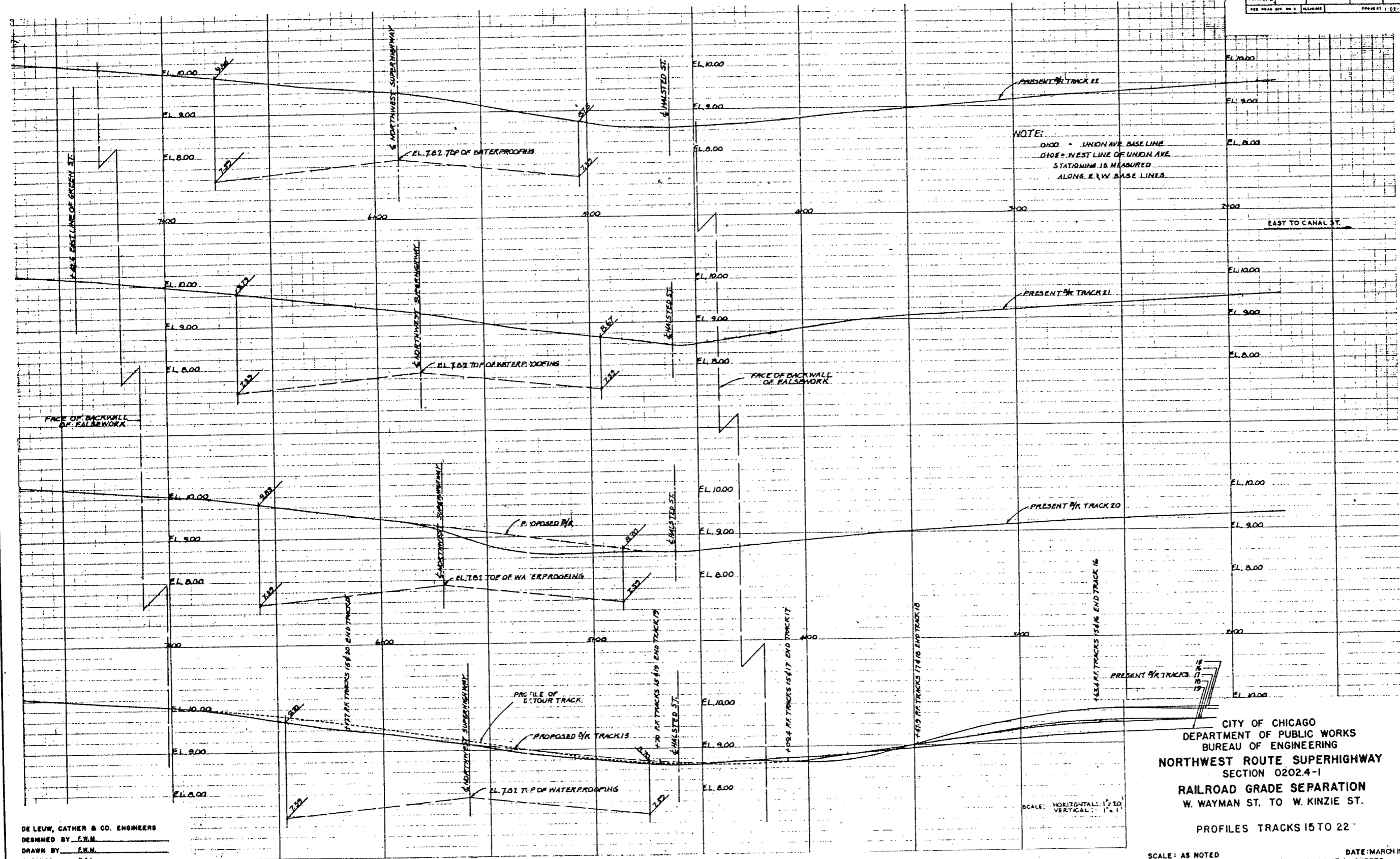


DE LOUIS, GATNER & CO. ENGINEERS
 ENGINEERS
 111 N. WABASH ST.
 CHICAGO, ILL.
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST
 PROFILES TRACKS 10 TO 13

SCALE: AS NOTED
 SHEET NO. S-11 OF 134 SHEETS
 DATE: MARCH 19, 1937

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	29
SEE ROAD DIV. NO. 4	ALIGNED	PROJECT 1-02-1-03		



NOTE:
 0100 = UNION AVE. BASE LINE
 0108 = WEST LINE OF UNION AVE.
 STATIONING IS MEASURED
 ALONG E.W. BASE LINES.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 PROFILES TRACKS 15 TO 22

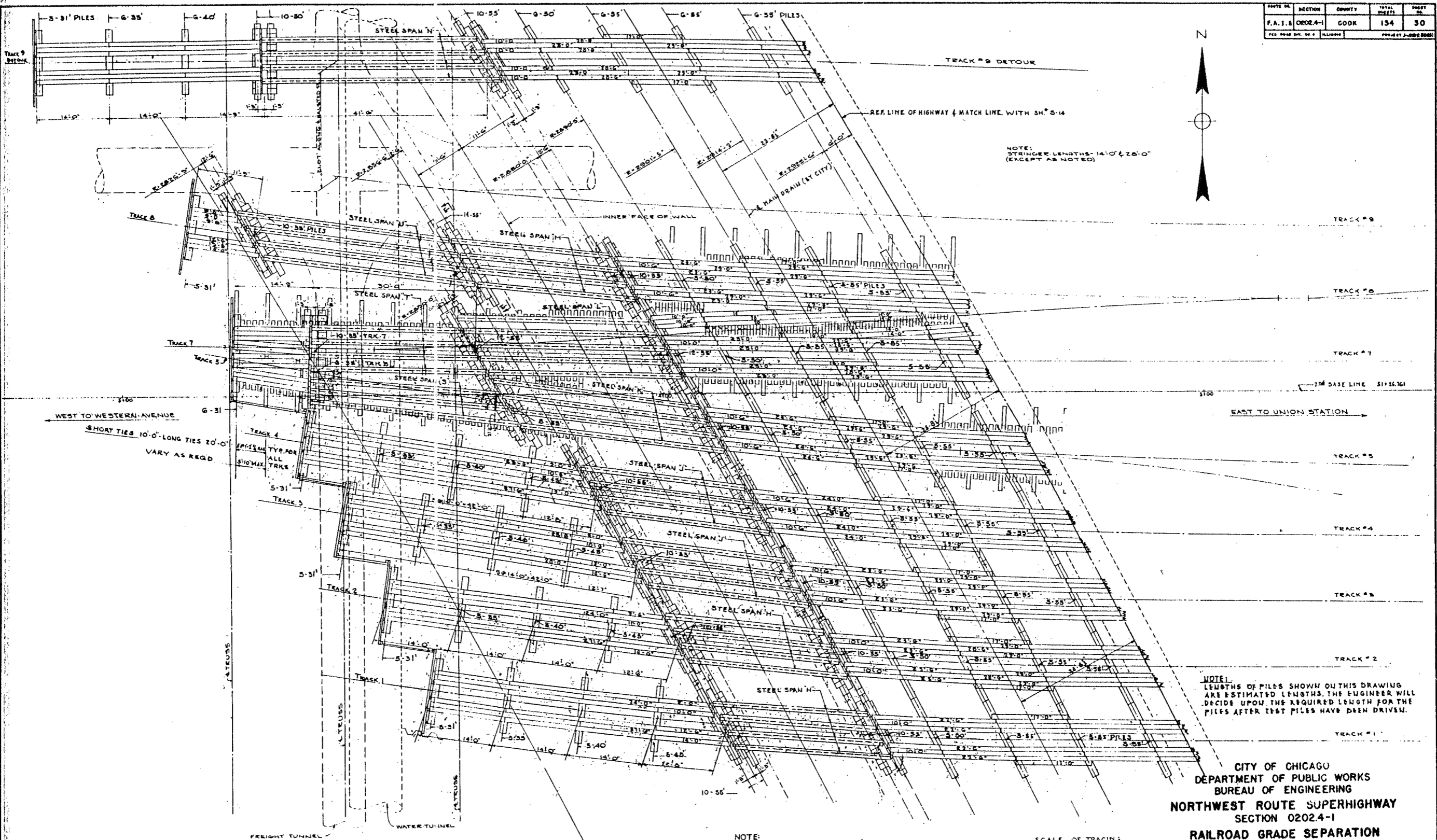
DE LEW, CATHAR & CO. ENGINEERS
 DESIGNED BY F.W.M.
 DRAWN BY F.W.M.
 CHECKED B.A.L.
 IN CHARGE *[Signature]*

SCALE: HORIZONTAL 1" = 20'
 VERTICAL 1" = 1'

SCALE: AS NOTED
 DATE: MARCH 19, 1957
 SHEET NO. 5-12 OF 134 SHEETS

NW
 14

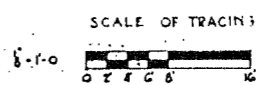
STATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL.	0202.4-1	COOK	134	30
F.A. 1.5		PROJ. NO. 2		DATE: MARCH 1907



NOTE: STRINGER LENGTHS 14'-0" & 26'-0" (EXCEPT AS NOTED)

NOTE: LENGTHS OF PILES SHOWN ON THIS DRAWING ARE ESTIMATED LENGTHS. THE ENGINEER WILL DECIDE UPON THE REQUIRED LENGTH FOR THE PILES AFTER TEST PILES HAVE BEEN DRIVEN.

NOTE: WORK THIS SHEET WITH SH 5-14 FOR GENERAL NOTES SEE SH 5-17 FOR DETAILS OF STEEL SPANS SEE SH 5-18 FOR TIMBER DETAILS SEE SH 5-17 FOR BILL OF MATERIAL SEE SH 5-19 FOR SEC. 6-5 SEE DWT. 5-17.

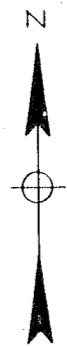


DE LEW, CATHAR & CO. ENGINEERS
 DESIGNED BY F.W.M.
 DRAWN BY F.W.M.
 CHECKED W.G.H.
 IN CHARGE *[Signature]*

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 FALSEWORK PLAN
 TRACKS 1 TO 9 WEST

SCALE: AS NOTED
 SHEET NO. 5-13 OF 134 SHEETS
 DATE: MARCH 1907
 KE

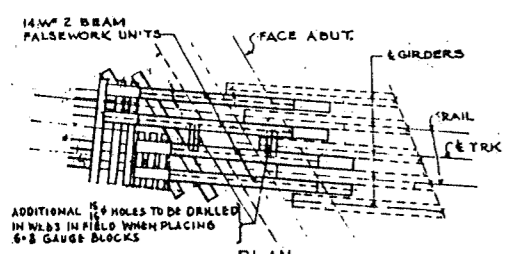
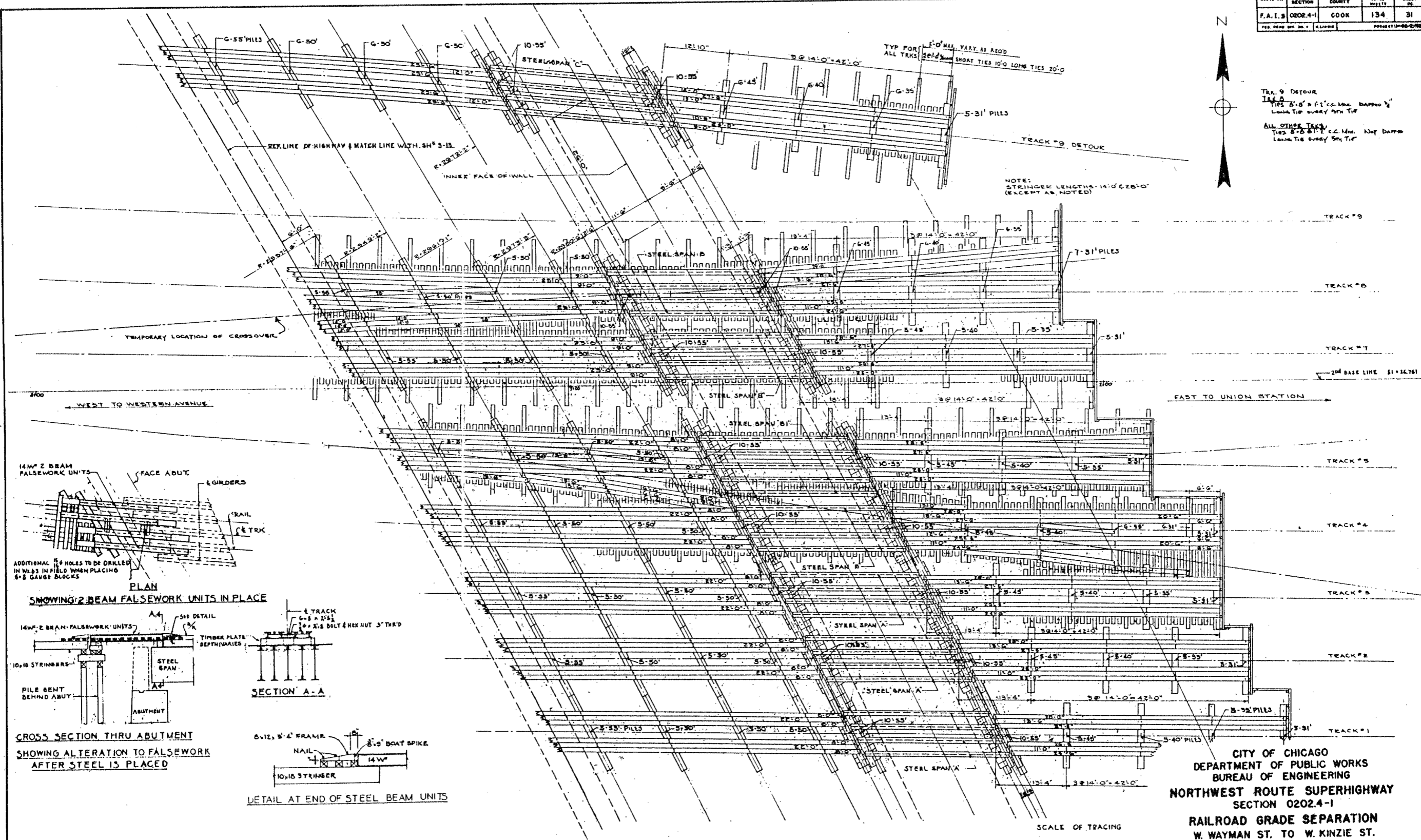
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.S. 0202.4-1	0202.4-1	COOK	134	31
DESIGNED BY		DRAWN BY		CHECKED BY
E.L.W.		E.L.W.		M.G.H.
IN CHARGE		DATE		
M.G.H.		MARCH 1917		



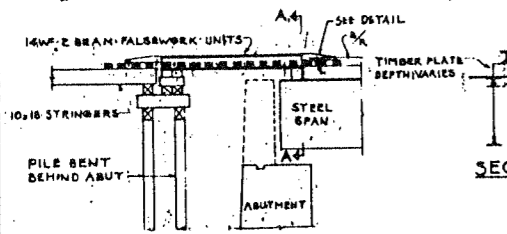
TRK. 9 DETOUR
 14" x 2" BEAM FALSEWORK UNITS
 Laid 2'-0" x 1'-0" on 1'-0" center
 Laid Tip every 5th Tie

ALL OTHER TRACKS
 Ties 5'-0" x 1'-0" on 1'-0" center
 Laid Tip every 5th Tie

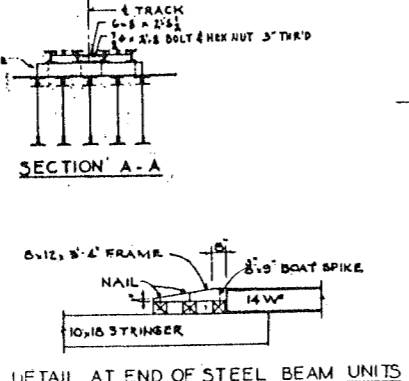
NOTE:
 STRINGER LENGTHS 14'-0" & 28'-0"
 (EXCEPT AS NOTED)



SHOWING 2-BEAM FALSEWORK UNITS IN PLACE



CROSS SECTION THRU ABUTMENT
 SHOWING ALTERATION TO FALSEWORK
 AFTER STEEL IS PLACED



DETAIL AT END OF STEEL BEAM UNITS

SCALE OF TRACING



NOTE:
 WORK THIS SHEET WITH SH# S-13
 LENGTHS OF PILES SHOWN ON THIS DRAWING ARE ESTIMATED LENGTHS. THE ENGINEER WILL
 DECIDE UPON THE REQUIRED LENGTH FOR THE PILES AFTER TEST PILES HAVE BEEN DRIVEN.

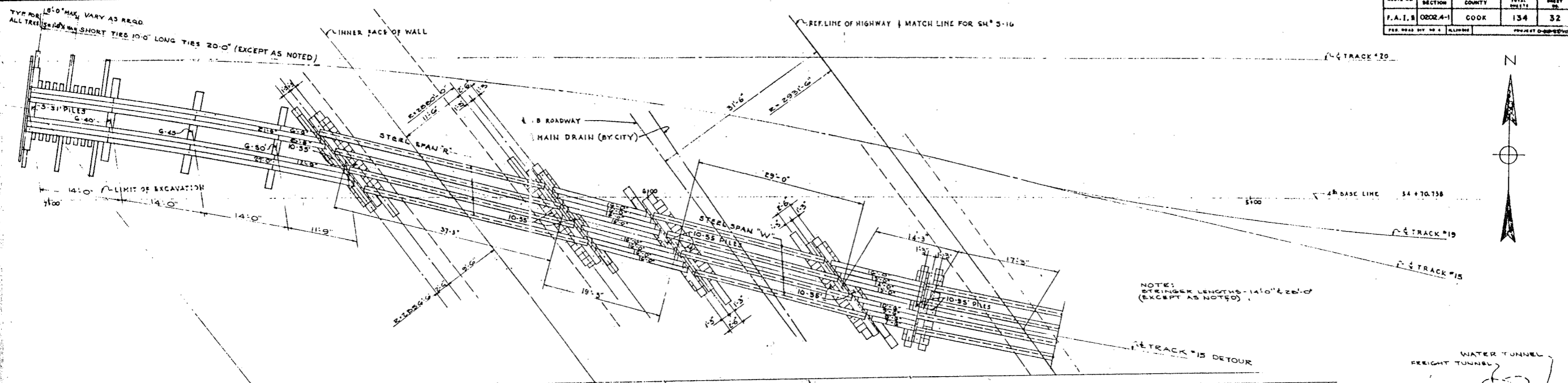
DE LEUW, CATHAR & CO. ENGINEERS
 DESIGNED BY E.L.W.
 DRAWN BY E.L.W.
 CHECKED M.G.H.
 IN CHARGE M.G.H.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 FALSEWORK PLAN
 TRACKS 1 TO 9 EAST

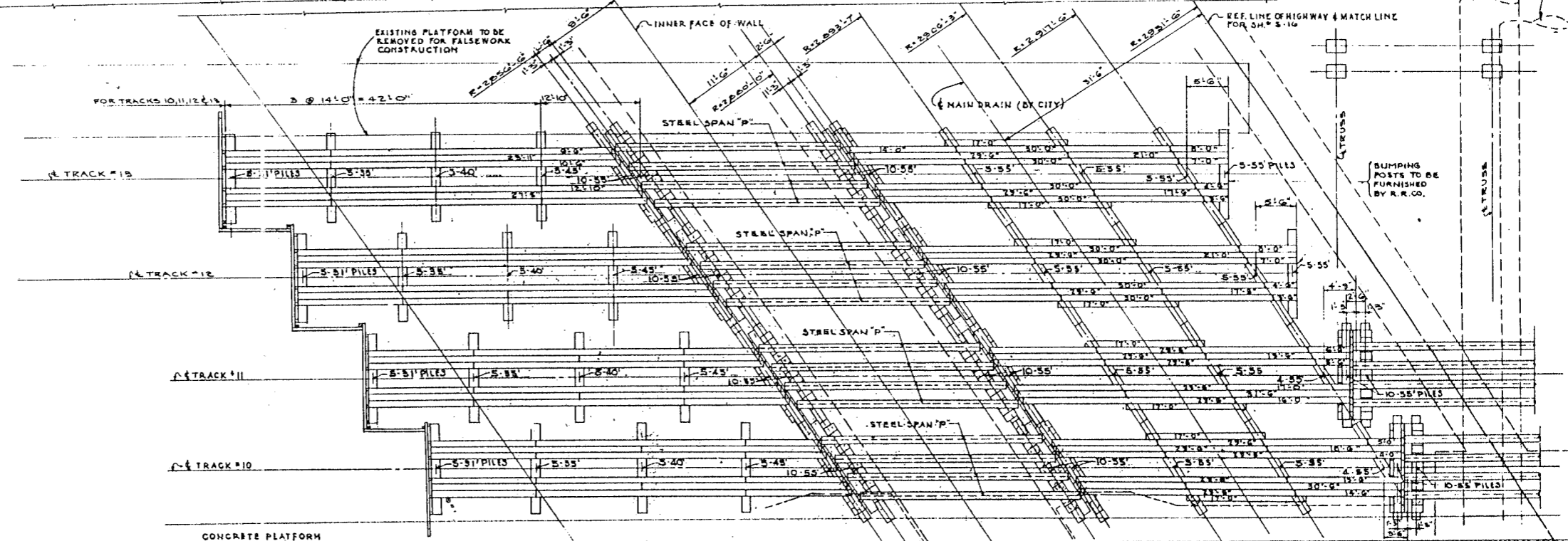
SCALE: AS NOTED
 SHEET NO. 5-14 OF 134 SHEETS

(K5)

ROUTE NO.	SECTION	COUNTY	DATE	SHEET
F.A.I.B.	0202.4-1	COOK	134	32
PER. ROAD BY NO. 4		ALIGNED	PROJECT ORDERED BY	



NOTE:
 ALL DIMENSIONS LENGTHS - 14'-0" & 20'-0"
 (EXCEPT AS NOTED)



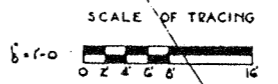
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.

FALSEWORK PLAN
 TRACKS 10 TO 16 WEST
 SCALE: AS NOTED
 DATE: MARCH 15, 1907
 SHEET NO. S-15 OF 134 SHEETS

DE LEUN, CATHER & CO. ENGINEERS
 DESIGNED BY F.W.M.
 DRAWN BY F.W.M.
 CHECKED R.M.H.
 IN CHARGE R.M.H.

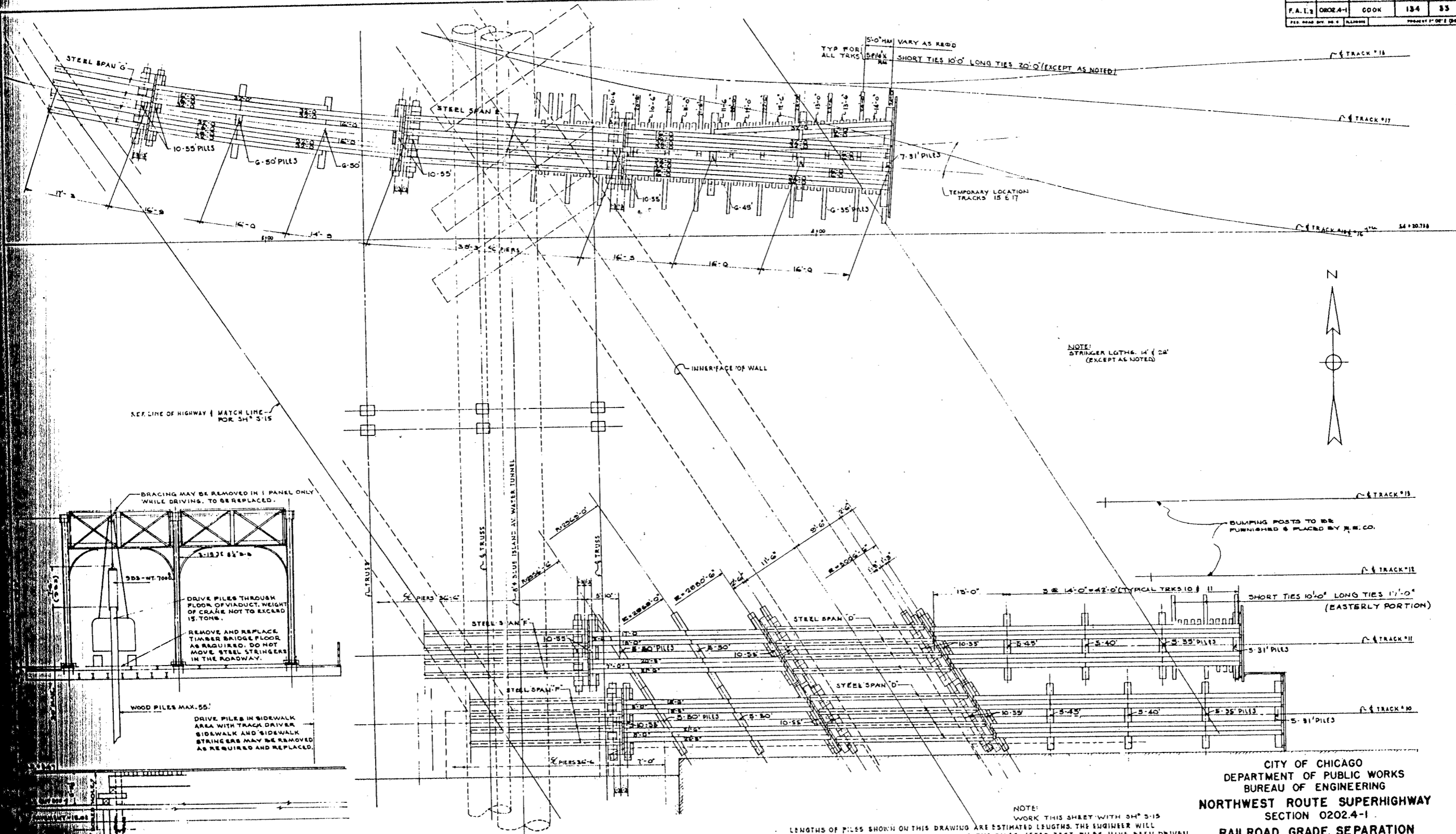
NOTES:
 WORK THIS SHEET WITH SH'S 5-16
 FOR GENERAL NOTES SEE SH'S 5-17
 FOR DETAIL OF STEEL SPANS SEE SH'S 5-18
 FOR TIMBER DETAILS SEE SH'S 5-17
 FOR BILL OF MATERIAL SEE SH'S 5-19

LENGTHS OF PILES SHOWN ON THIS DRAWING ARE ESTIMATED LENGTHS. THE ENGINEER WILL
 DECIDE UPON THE REQUIRED LENGTH FOR THE PILES AFTER TEST PILES HAVE BEEN DRIVEN



(KE)

SECTION	DATE	BY	CHECKED	TOTAL SHEETS	SHEET NO.
F.A.L. 1	0202.4-1	COOK		134	33
FED. ROAD DIV. NO. 4			ILLINOIS	PROJECT NO. 02.02.001	



FALSEWORK PILE DRIVING FROM FLOOR OF HALSTED ST. VIADUCT FOR TEMPORARY C & N W TRACK.

SCALE 1/4" = 1'-0"

WATNER & CO. ENGINEERS

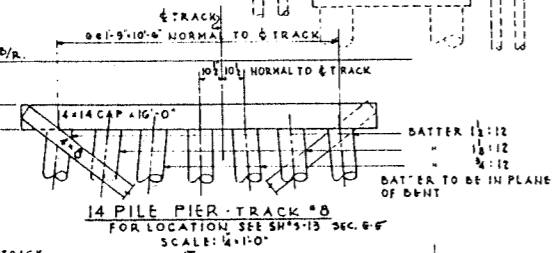
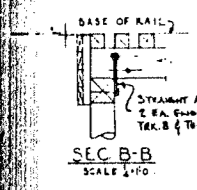
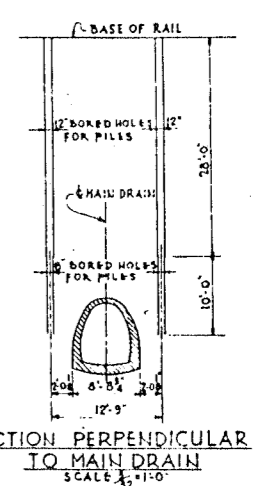
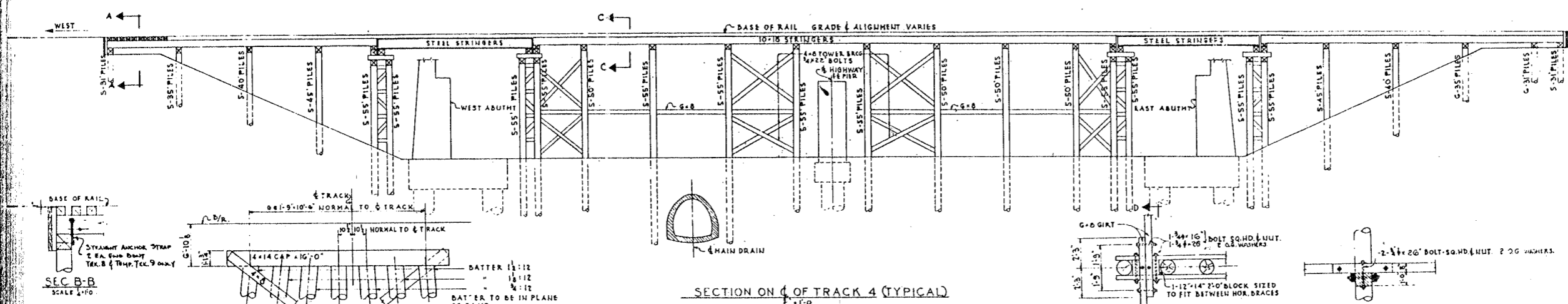
111 N. WABASH ST. CHICAGO, ILL.

1914

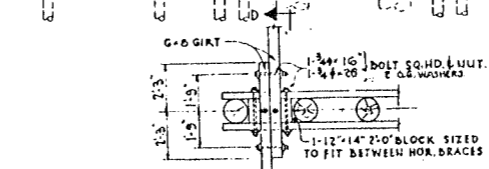
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
FALSEWORK PLAN
TRACKS 10 TO 16 EAST

SCALE: AS NOTED DATE: MARCH 19, 1915
SHEET NO. 5-16 OF 134 SHEETS

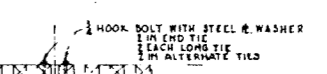
NOTE: 8'x8' TIES, DAPPED 3/4" ON BOTH TOP & TIMBER SPANS FOR TRK. 8 & TEMP. TRK. 9 ONLY.
8'x8' TIES FOR ALL TRACKS
ALL TIES SPACED NOT TO EXCEED 1'-0" C.C.



SECTION ON C-C OF TRACK 4 (TYPICAL)
SCALE: 1/2"=1'-0"



SECTION D-D SCALE 1/4"=1'-0"



PILE PIER DETAIL FOR 2-TRAIL SPANS SCALE: 1/4"=1'-0"

GENERAL NOTES

BASIS OF DESIGN: E7Z LIVE LOAD SPECIFICATIONS FOR DESIGN CURRENT AREA SPECIFICATIONS FOR DESIGN OF WOOD BRIDGES & TRESTLES FOR RAILROAD LOADINGS.

DESIGN STRESSES: TIMBER
TRANSVERSE BENDING 1200/ft²
HORIZONTAL SHEARING 100/ft²
COMPRESSION PERPENDICULAR TO GRAIN 300/ft²
COMPRESSION PARALLEL TO GRAIN 1200/ft²

DESIGN STRESSES: TIMBER PILES: MAX. PILE LOAD: 20 TONS
DESIGN STRESSES: STRUCTURAL STEEL: 1 1/2 TIMES THE ALLOWABLE UNIT STRESSES AS GIVEN IN AREA SPEC. 1952 COMMITTEE IS PARAGRAPH 501.

IMPACT: FOR STRUCTURAL STEEL FALSEWORK FULL IMPACT PER A.R.E.A. SPEC. 1952 COMMITTEE IS. FOR TIMBER PILES AND FALSEWORK NO IMPACT.

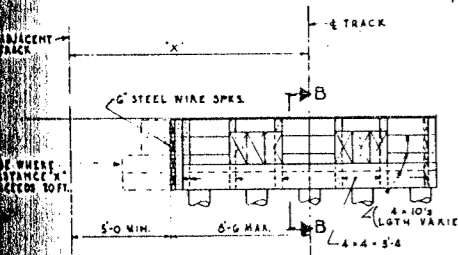
MATERIAL: CURRENT AREA SPEC. FOR WOOD PILES AND STRUCTURAL TIMBERS. STRESS GRADE OF TIMBERS AND CLASS OF TIMBER PILES AS GIVEN SUPPLEMENTAL SPEC.

WORKMANSHIP: CURRENT AREA SPEC. FOR DRIVING WOOD PILES AND FOR CONSTRUCTION OF FRAMED AND PILE TRESTLES.

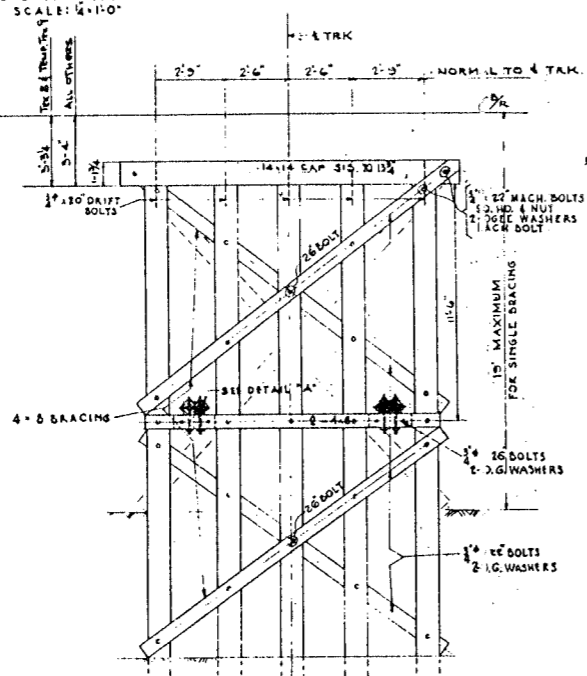
ALL WOOD PILING WILL BE SET IN 1 FOOT DIAMETER HOLES PREBORED TO A DEPTH EQUAL TO THE LENGTH OF THE PILE LESS 30 FEET. EXCEPT ADJACENT MAIN DRAIN AS SHOWN SEE DRAW. 519 FOR ADDITIONAL NOTES.

TABLE OF BEAM DEPTHS

BEAM SIZE	"D"
24 W 130	2'-0"
24 W 145	2'-0"
24 W 160	2'-0"
30 W 150	2'-11 1/2"
30 W 170	3'-0"
30 W 185	3'-0"
30 W 210	3'-11 1/2"

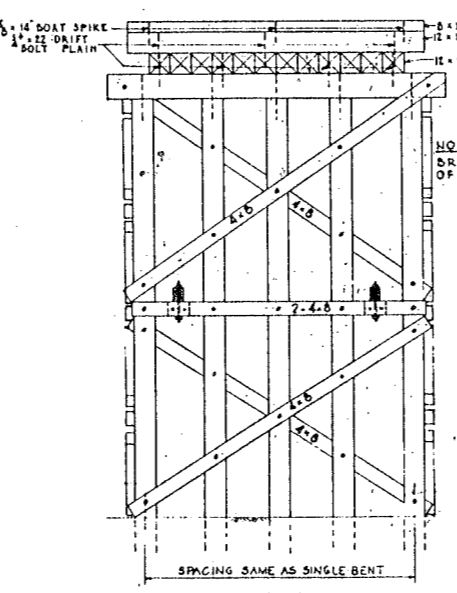


SEC. A-A SCALE 1/4"=1'-0"

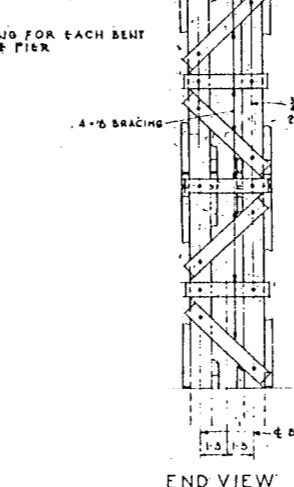


TYPICAL 5-PILE SINGLE BENT SCALE: 1/4"=1'-0"

NOTE: LENGTH OF CAP AND BRACES VARY WITH SKEW AND TRACK SPACING. SEE BILL OF MATERIAL ON DRWG. 519.

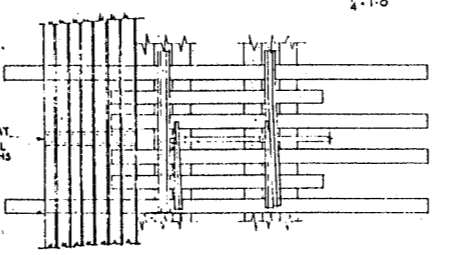


ELEVATION



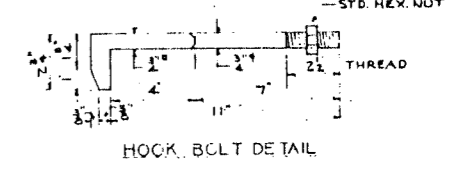
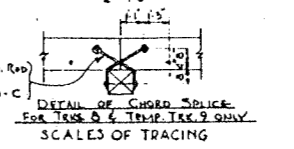
END VIEW

TYPICAL 10 PILE PIER DETAILS NOT SHOWN SAME AS SINGLE BENT SCALE: 1/4"=1'-0"



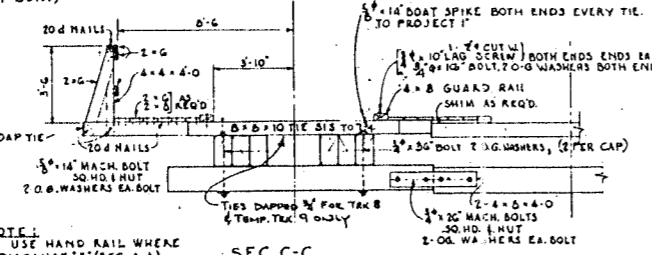
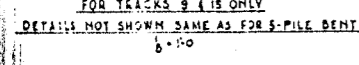
PART DECK PLAN AT SWITCH STANDS SCALE: 1/4"=1'-0"

DETAIL OF CHORD SPLICE SCALE: 1/4"=1'-0"



HOOK BOLT DETAIL

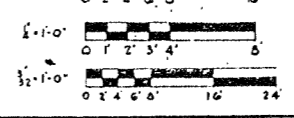
TYPICAL 6-PILE SINGLE BENT FOR TRACKS 8 & 9 ONLY DETAILS NOT SHOWN SAME AS FOR 5-PILE BENT. SCALE: 1/4"=1'-0"



SEC. C-C SCALE 1/4"=1'-0"

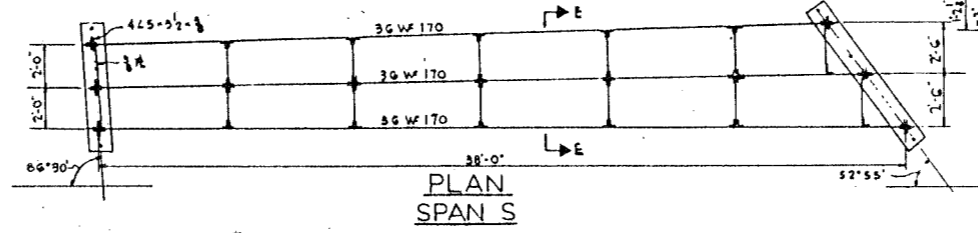
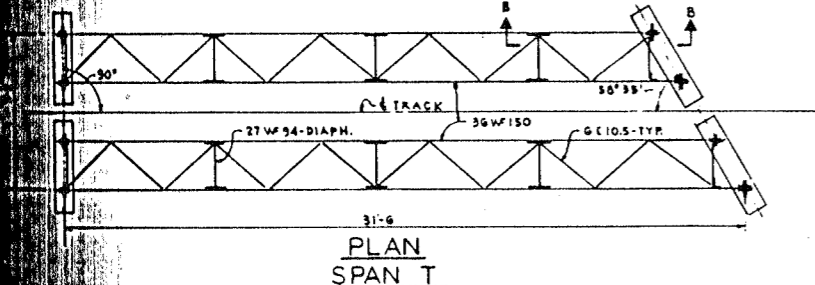
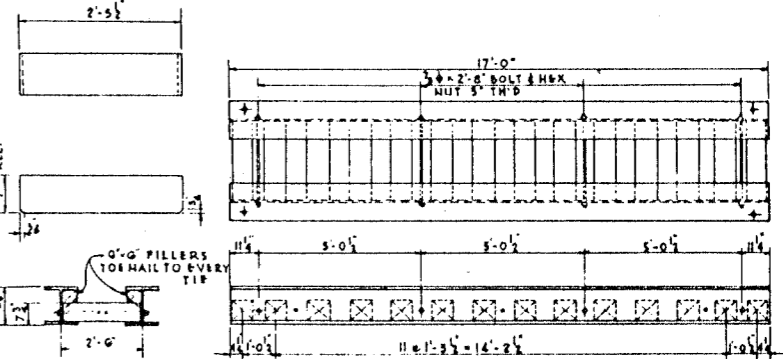
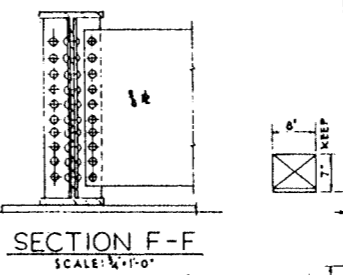
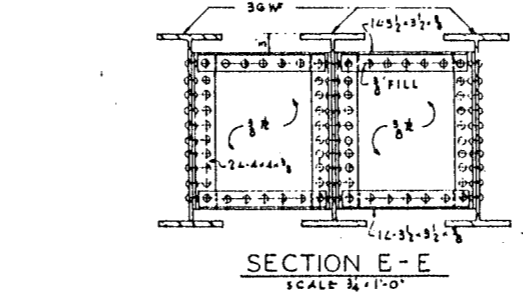
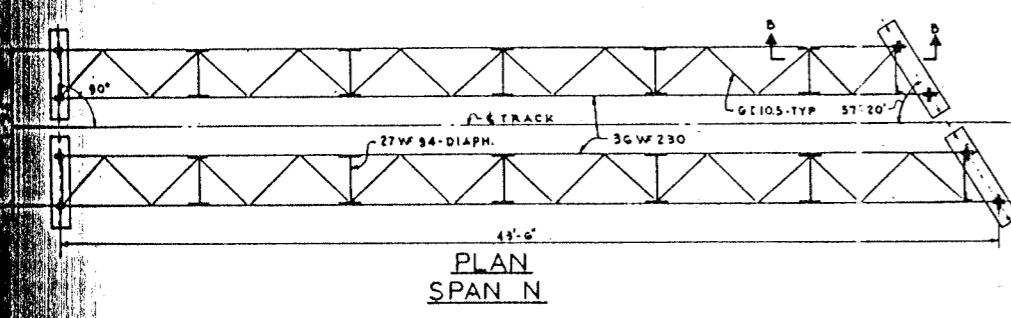
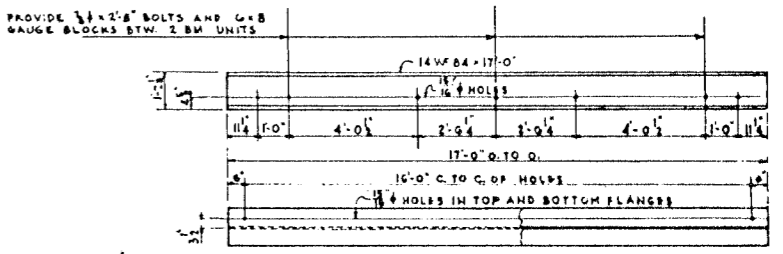
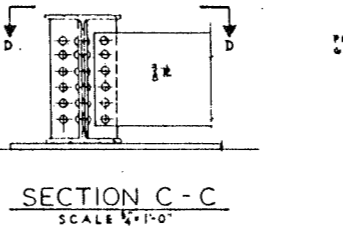
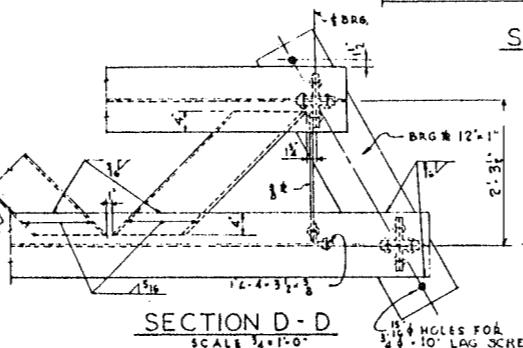
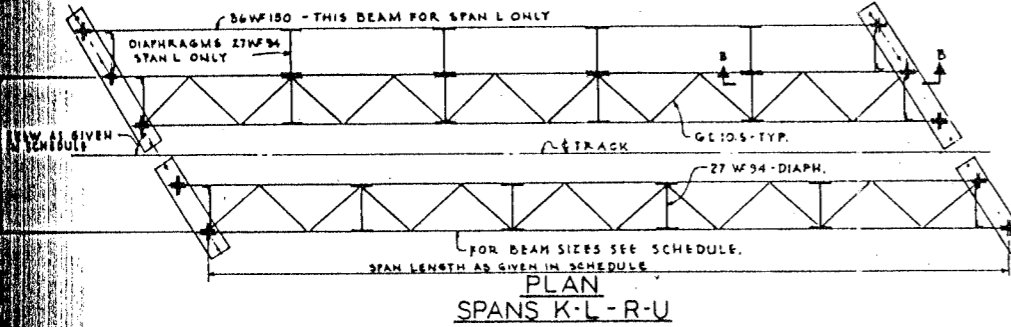
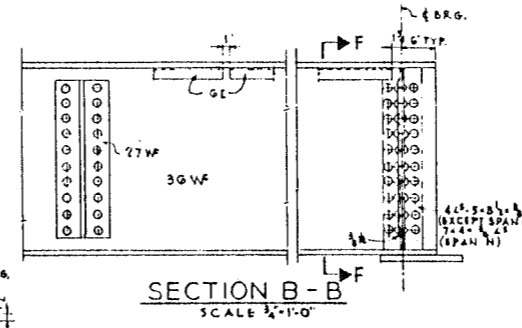
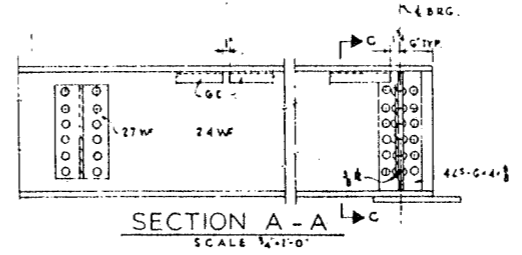
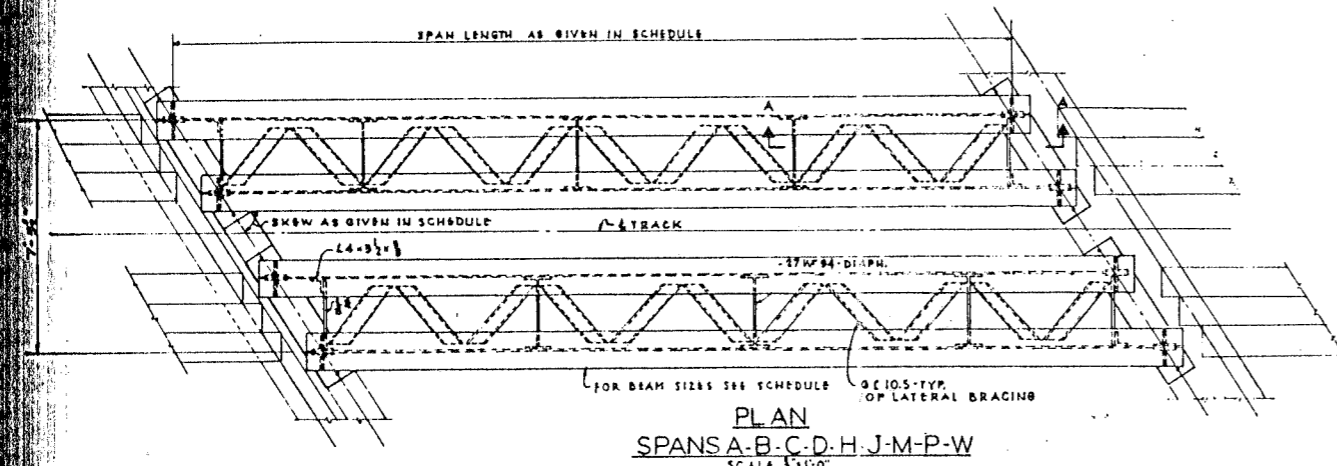
NOTE: USE HAND RAIL WHERE DISTANCE "A" (SEC. A-A) EXCEEDS 20 FEET. AT ALL OTHER TRACKS THE PLANS REQUIRE THAT THE SPACE BETWEEN TRACKS BE PLANKED SOLID. PROVIDE HAND RAIL FOR ALL TEMPORARY STRAIGHT WHERE SAFETY OF OPERATING PERSONNEL REQUIRES.

DETAIL OF CHORD SPLICE FOR TRK. 8 & TEMP. TRK. 9 ONLY SCALES OF TRACING

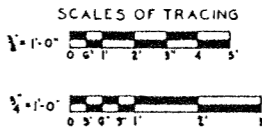


LEWIS, GATHER & CO. ENGINEERS
DESIGNED BY L.G.M.
CHECKED BY J.W.M.
DRAWN BY W.B.M.
DATE: MARCH 19, 1957

TRACK NO.	Z	EAST ABUTMENT			PIER			WEST ABUTMENT			WATER TUNNEL			
		CC.BRGS	SIZE	SKEW	CC.BRGS	SIZE	SKEW	CC.BRGS	SIZE	SKEW	CC.BRGS	SIZE	SKEW	
1	A	26'-0"	24WF130	62° 15'				H	28'-3"	24WF145	57° 0'			
2	A	26'-0"	24WF130	62° 15'				H	28'-3"	24WF145	57° 0'			
3	A	26'-0"	24WF130	61° 15'				J	29'-0"	24WF130	53° 25'			
4	B	27'-0"	24WF130	61° 15'				J	29'-0"	24WF130	53° 25'			
5	B	27'-0"	24WF130	61° 15'				K	37'-3"	36WF70	58° 55'	S	30'-0"	36WF170 58° 55'
7	B	27'-0"	24WF130	61° 15'				L	34'-9"	36WF150	58° 35'	T	31'-0"	36WF150 58° 35'
8	B	27'-0"	24WF130	61° 15'				M	28'-0"	24WF130	58° 45'	U	30'-0"	36WF170 58° 45'
9	C	29'-0"	24WF130	53° 55'				N	43'-0"	36WF50	57° 20'			
10	D	27'-0"	24WF130	57° 25'	F	30'-4"	36WF170 90° 0'	P	28'-3"	24WF130	58° 05'			
11	D	27'-0"	24WF130	57° 25'	F	30'-4"	36WF170 90° 0'	P	28'-3"	24WF130	58° 05'			
12								P	28'-3"	24WF130	58° 05'			
13								P	28'-3"	24WF130	58° 05'			
15	E	35'-0"	36WF170	90° 0'	G	34'-4"	36WF150 90° 0'	R	37'-3"	36WF150	58° 04'			
15								W	29'-0"	24WF145	58° 0'			



NOTE:
 RIVETS: 5/8"
 HOLES: 1 1/2" EXCEPT WHERE SHOWN
 SHOP PAINT 1 COAT RED LEAD
 FOR QUANTITIES SEE SH. 5-19

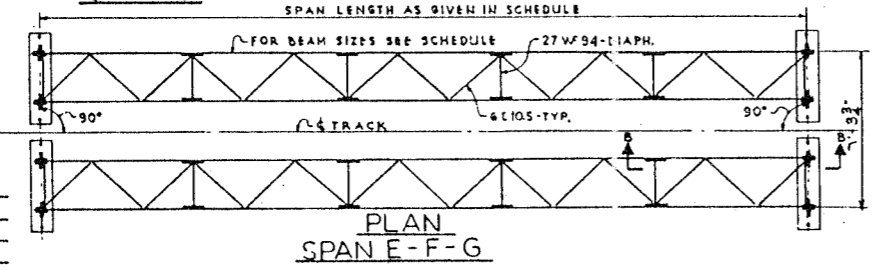


CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.

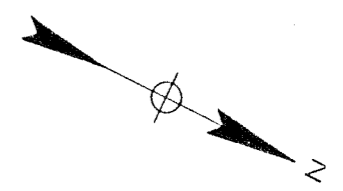
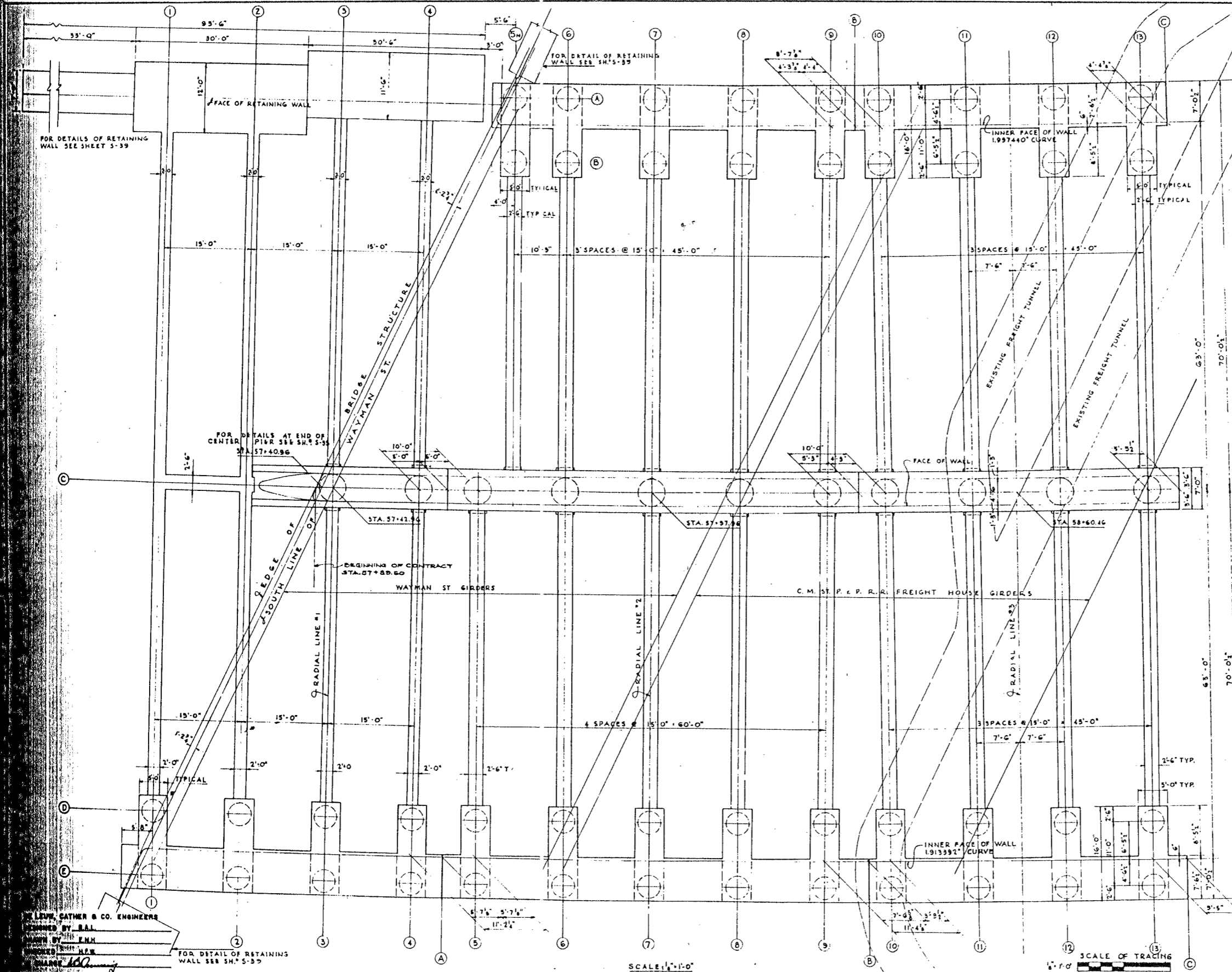
TRACK FALSEWORK
 STEEL SPANS

SCALE: AS NOTED
 DATE: MARCH 1997
 SHEET NO. 5-18 OF 134 SHEETS

ATHER & CO. ENGINEERS
 111 N. WABASH ST.
 CHICAGO, ILL. 60601
 312.467.1111



DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.18	0202.4-1	COOK	134	37
PREPARED BY: D. C. ALLIANCE	PROJECT: NORTHWEST ROUTE SUPERHIGHWAY			



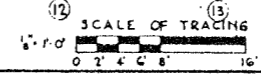
REF. LINE & CENTER PIER
1.95434' CURVE

NOTE:
TO AVOID DISTURBANCE OF SOIL UNDER BELLED SUB-PIERS, IN AREAS WHERE BOTH SUB-PIERS TO ROCK AND BELLED SUB-PIERS ARE USED IN CLOSE PROXIMITY TO EACH OTHER, THE SUB-PIERS TO ROCK SHALL BE CONSTRUCTED FIRST
WHERE ELLIPTICAL BELLS ARE CALLED FOR ON SHEET S-25, THE LONG DIRECTION OF THE BELL SHALL BE PERPENDICULAR TO CENTERLINE OF PIER AS SHOWN ON SAME SHEET.

LEWIS, CATNER & CO. ENGINEERS
DESIGNED BY: B.A.L.
DRAWN BY: H.M.
CHECKED BY: H.M.
DATE: 1/10/57

FOR DETAIL OF RETAINING WALL SEE SH. S-39

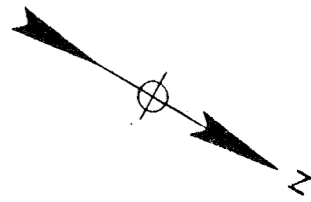
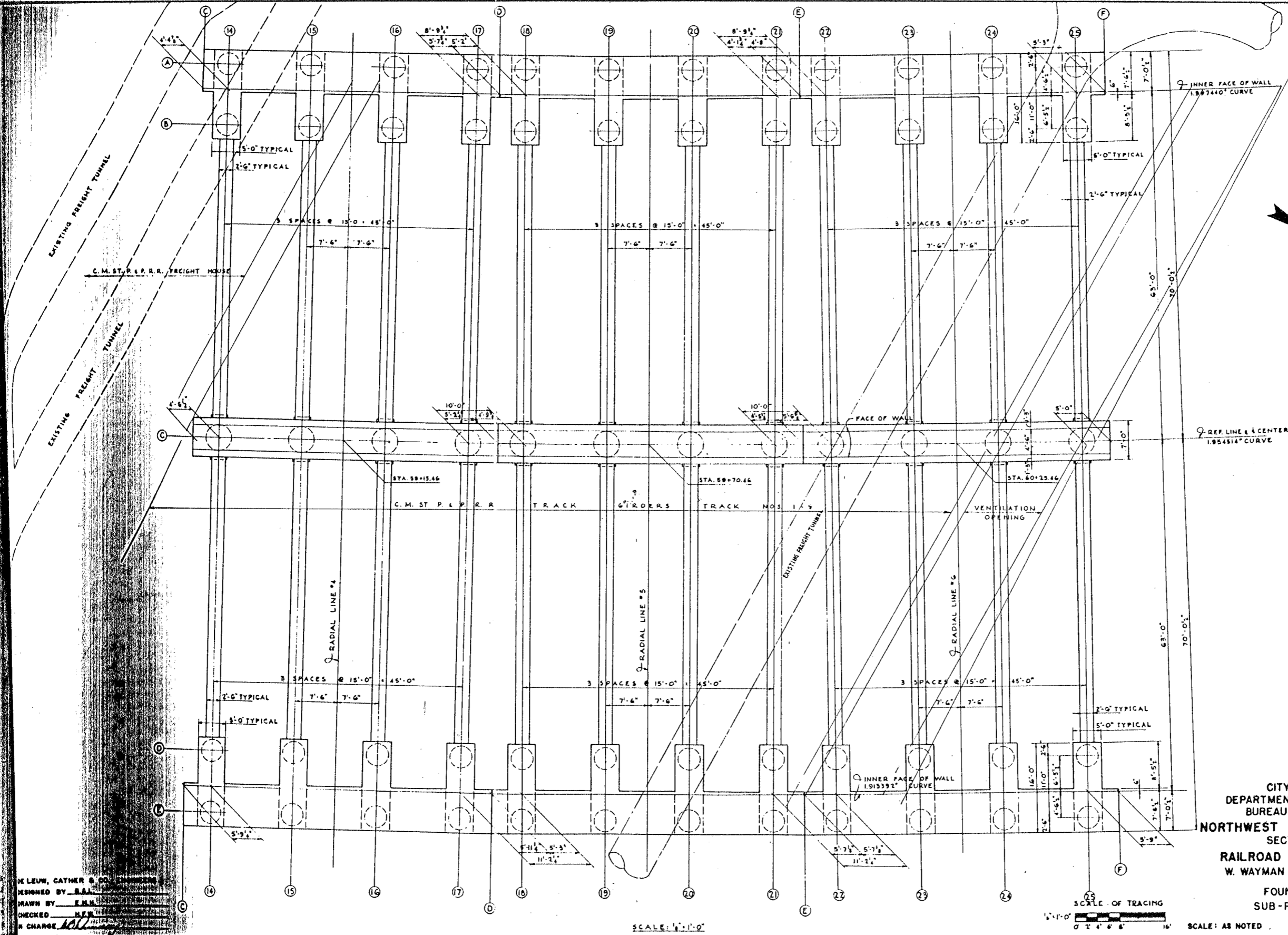
SCALE: 1" = 1'-0"



CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
FOUNDATION PLAN
SUB-PIERS 1 TO 13

SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. S-20 OF 134 SHEETS

SECTION	QUANTITY	TOTAL	SHEET
F.A.I. 2	0202.4-1	134	38
PER. DRAW BY: R. E. G.	ILLINOIS	PROJECT: 1-38-51	



H. LEWIS, CATHY & CO. ENGINEERS
 DESIGNED BY: H.A.L.
 DRAWN BY: E.H.H.
 CHECKED: H.E.H.
 IN CHARGE: H.E.H.

SCALE: 1/4" = 1'-0"

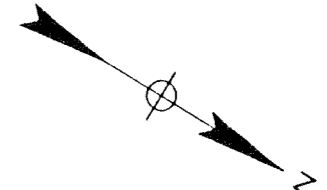
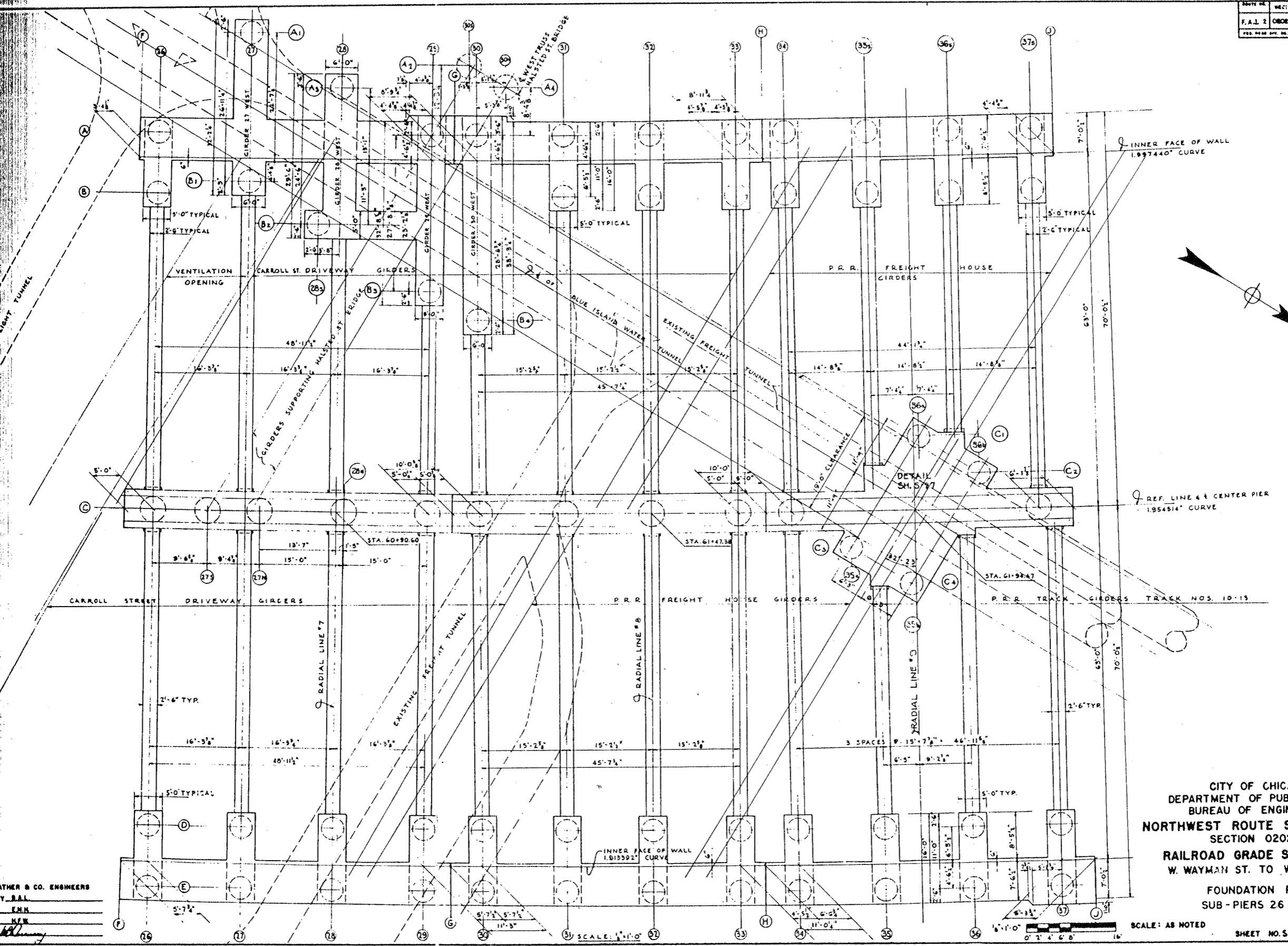
SCALE OF TRACING
 0 2 4 6 8 10 12 14 16

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.

FOUNDATION PLAN
 SUB-PIERS 14 TO 25

SCALE: AS NOTED DATE: MARCH 18, 1907
 SHEET NO. 5-21 OF 134 SHEETS

NOTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.L. 2	0202.4-1	COOK	134	39
DESIGNED BY: [Signature]		DRAWN BY: [Signature]		PROJECT: 1-02-1-02

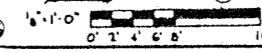


DE LEUK, GATHER & CO. ENGINEERS
 DESIGNED BY: S.A.L.
 DRAWN BY: E.M.H.
 CHECKED: H.E.K.
 IN CHARGE: [Signature]

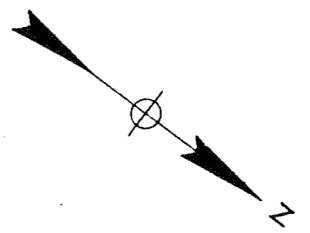
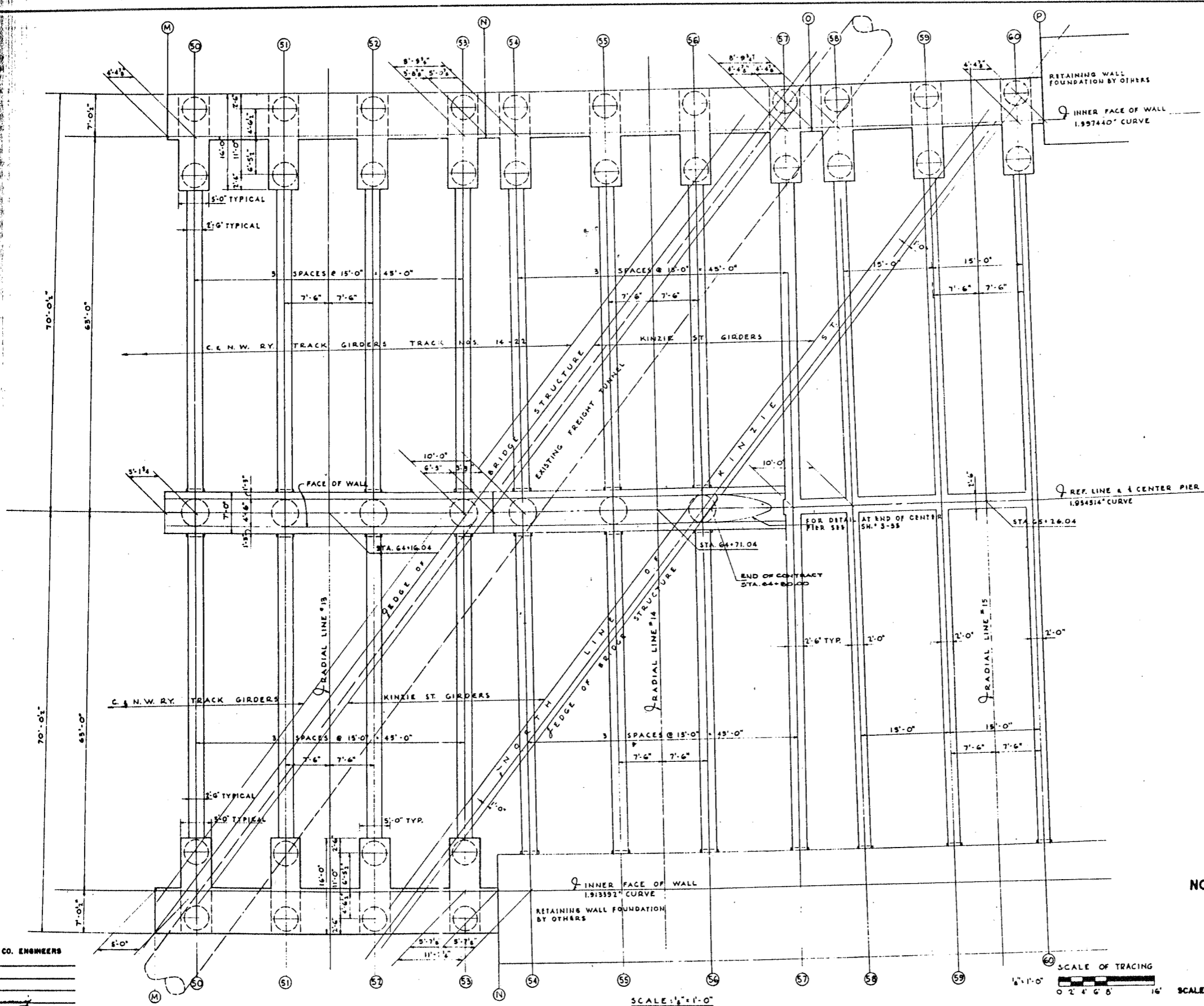
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 FOUNDATION PLAN
 SUB - PIERS 26 TO 37

SCALE: AS NOTED
 DATE: MARCH 19, 1957
 SHEET NO. 5-22 OF 134 SHEETS

SCALE: 1"=10'-0"



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 12	0202.4-1	COOK	134	41
PREPARED BY: H. E. ILLIHOE		PROJECT: 1-10-4-1001		



H. E. ILLIHOE & CO. ENGINEERS
 BY: H. E. ILLIHOE
 CHECKED BY: H. E. ILLIHOE
 DATE: MARCH 19, 1912

SCALE: 1/8" = 1'-0"

SCALE OF TRACING
 0 2 4 6 8 10 12 14 16

SCALE: AS NOTED

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.

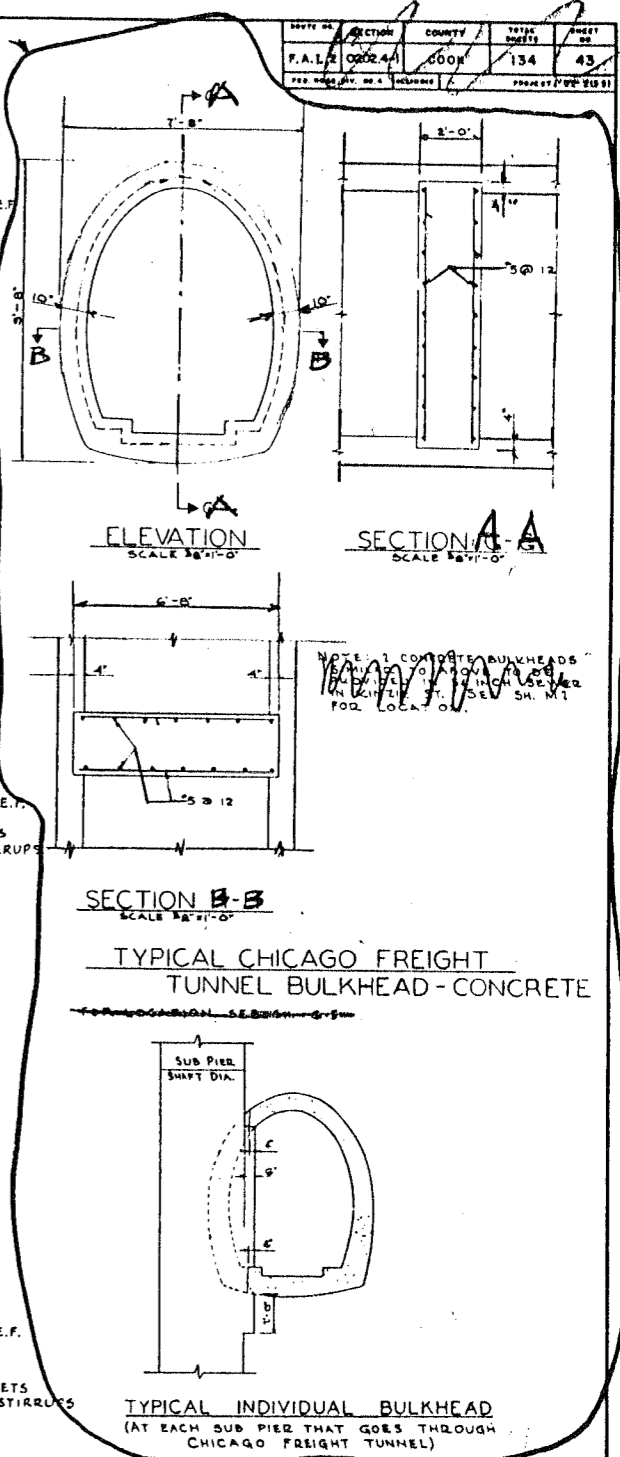
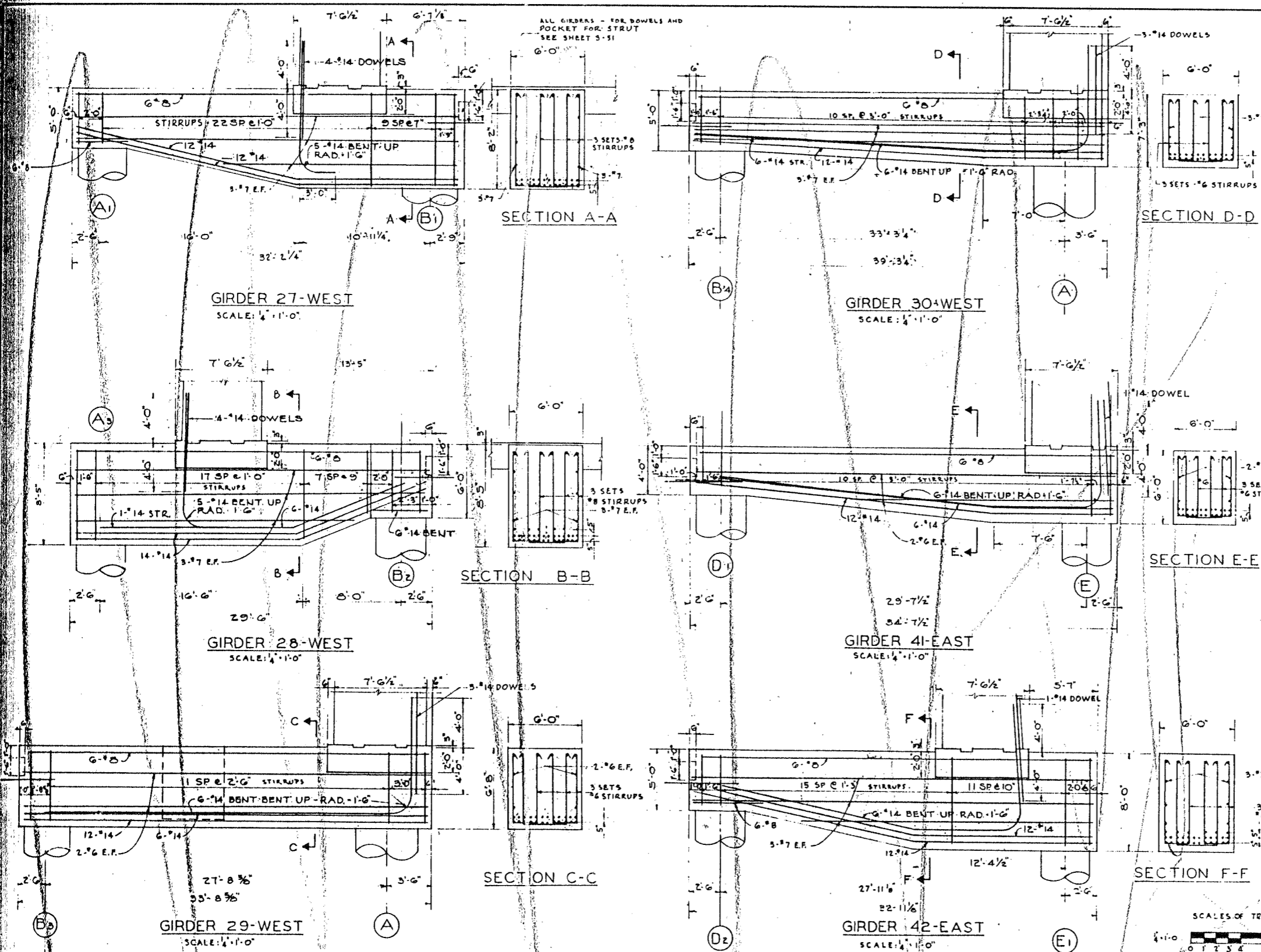
FOUNDATION PLAN
 SUB-PIERS 50 TO 60

DATE: MARCH 19, 1912
 SHEET NO. 3-24 OF 134 SHEETS

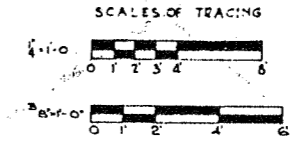
SUB PIER SCHEDULE

NO.	SHAFT DIA.	ELEV. TOP OF SHAFT	BELL		TYPE OF CAP	REINFORCEMENT		NO.	SHAFT DIA.	ELEV. TOP OF SHAFT	BELL		TYPE OF CAP	REINFORCEMENT		NO.	SHAFT DIA.	ELEV. TOP OF SHAFT	BELL		TYPE OF CAP	REINFORCEMENT					
			DIA.	Q							DIA.	Q							DIA.	Q			DIA.	Q			
A-6	4-0	-19.60	6-6	2-6	A	TYPE A	B-18	4-0	-22.73	6-6	2-6	A	TYPE A	C-33	4-6	-21.54	9-0-18-0	8-6	A	TYPE B	D-45	4-0	-22.19	6-9	2-9	A	TYPE A
7	4-0	-19.60	6-3	2-9	A	TYPE A	19	4-0	-22.73	7-3	3-3	A	TYPE A	34	4-6	-21.54	9-0-18-0	8-6	A	TYPE B	46	4-0	-22.11	6-6	2-6	A	TYPE A
8	4-0	-19.60	6-9	2-9	A	TYPE A	20	4-0	-22.73	7-3	3-3	A	TYPE A	C-35	4-6	-23.74	10-6	6-0	FNON	TYPE B	47	4-0	-22.11	7-3	3-3	A	TYPE A
9	4-0	-19.60	5-0	3-0	A	TYPE A	21	4-0	-22.73	6-3	2-5	A	TYPE A	C-35	4-6	-23.74	6-9	2-9	To	TYPE B	48	4-0	-22.11	7-3	3-3	A	TYPE A
10	4-0	-20.92	8-0	4-0	A	TYPE A	22	4-0	-23.20	6-6	2-6	A	TYPE A	C-36	4-6	-23.74	6-9	2-9	To	TYPE B	49	4-0	-22.11	6-9	2-9	A	TYPE A
11	4-0	-20.92	8-0	4-0	A	TYPE A	23	4-0	-23.20	7-5	3-3	A	TYPE A	C-36	4-6	-23.74	10-6	6-0	To	TYPE B	50	4-0	-21.68	6-0	2-0	A	TYPE A
12	4-0	-20.92	9-0	5-0	A	TYPE A	24	4-0	-23.20	7-3	3-3	A	TYPE A	C-37	4-6	-21.54	9-0-18-0	8-6	A	TYPE B	51	4-0	-21.68	6-3	2-3	A	TYPE A
13	4-0	-20.92	8-0	4-0	A	TYPE A	25	4-0	-23.20	6-6	2-6	A	TYPE A	30	4-6	-21.01	9-0-18-0	8-6	A	TYPE B	52	4-0	-21.68	6-3	2-3	A	TYPE A
14	4-0	-21.95	8-0	4-0	A	TYPE A	26	4-0	-23.44	6-6	2-6	A	TYPE A	40	4-6	-21.01	10-9	6-3	A	TYPE B	53	4-0	-21.68	6-0	2-0	A	TYPE A
15	4-0	-21.95	8-0	4-0	A	TYPE A	B-27	4-6	-23.61	TO ROCK	27W	TYPE A	41	4-6	-21.01	TO ROCK	---	A	TYPE B	E-1	4-0	-17.94	6-3	2-3	A	TYPE A	
16	4-0	-21.95	9-0	5-0	A	TYPE A	B-28	4-0	-23.44	6-6	4-4	26W	TYPE A	41	5-0	-21.01	TO ROCK	---	A	TYPE B	2	4-0	-17.94	6-9	2-9	A	TYPE A
17	4-0	-21.95	8-0	4-0	A	TYPE A	B-29	4-0	-22.44	6-3	2-3	29W	TYPE A	42	4-6	-21.01	10-9	6-3	A	TYPE B	3	4-0	-17.94	6-9	2-9	A	TYPE A
18	4-0	-22.73	6-3	4-3	A	TYPE A	B-30	4-0	-22.44	5-6	1-6	30W	TYPE A	43	4-6	-21.01	12-0	7-6	A	TYPE B	4	4-0	-17.94	8-3	4-3	A	TYPE A
19	4-0	-22.73	9-0	5-0	A	TYPE A	B-31	4-0	-23.44	7-3	3-3	A	TYPE A	44	4-6	-21.01	12-0	7-6	A	TYPE B	5	4-0	-19.86	8-3	4-3	A	TYPE A
20	4-0	-22.73	9-0	5-0	A	TYPE A	32	4-0	-23.44	7-3	3-3	A	TYPE A	45	4-6	-21.01	8-6	6-0	A	TYPE B	6	4-0	-19.86	9-0	5-0	A	TYPE A
21	4-0	-22.73	8-0	4-0	A	TYPE A	33	4-0	-23.44	6-3	2-3	A	TYPE A	46	4-6	-20.62	12-0	7-6	A	TYPE B	7	4-0	-19.86	9-0	5-0	A	TYPE A
22	4-0	-23.20	8-3	4-3	A	TYPE A	34	4-0	-23.44	6-3	2-3	A	TYPE A	47	4-6	-20.62	12-0	7-6	A	TYPE B	8	4-0	-19.86	9-0	5-0	A	TYPE A
23	4-0	-23.20	9-0	5-0	A	TYPE A	35	4-0	-23.44	7-3	3-3	A	TYPE A	48	4-6	-20.62	12-0	7-6	A	TYPE B	9	4-0	-19.86	8-3	4-3	A	TYPE A
24	4-0	-23.20	9-0	5-0	A	TYPE A	36	4-0	-23.44	6-3	2-3	A	TYPE A	49	4-6	-20.62	DOWN-TO	8-6	A	TYPE B	10	4-0	-21.07	8-3	4-3	A	TYPE A
25	4-0	-23.20	8-3	4-3	A	TYPE A	37	4-0	-23.44	6-3	2-3	A	TYPE A	50	4-6	-20.62	DOWN-TO	8-6	A	TYPE B	11	4-0	-21.07	9-0	5-0	A	TYPE A
26	4-0	-23.44	8-3	4-3	A	TYPE A	38	4-0	-23.09	7-3	3-3	A	TYPE A	51	4-6	-20.62	DOWN-TO	8-6	A	TYPE B	12	4-0	-21.07	9-0	5-0	A	TYPE A
A-27	4-0	-22.44	8-3	4-3	27W	TYPE A	39	4-0	-23.09	7-3	3-3	A	TYPE A	52	4-6	-20.62	DOWN-TO	8-6	A	TYPE B	13	4-0	-21.07	9-0	5-0	A	TYPE A
A-28	4-0	-23.61	9-6	5-6	28W	TYPE A	40	4-0	-23.09	6-6	2-6	A	TYPE A	53	4-6	-20.62	DOWN-TO	8-6	A	TYPE B	14	4-0	-21.07	8-3	4-3	A	TYPE A
A-29	5-0	-24.11	TO ROCK	---	29W	TYPE A	41	4-0	-23.09	6-6	2-6	A	TYPE A	54	4-6	-20.62	DOWN-TO	8-6	A	TYPE B	15	4-0	-21.07	9-0	5-0	A	TYPE A
A-30	4-0	-18.40	TO ROCK	---	---	TYPE A	42	4-0	-23.09	6-6	2-6	A	TYPE A	55	4-6	-20.23	8-0	3-6	A	TYPE B	16	4-0	-21.96	8-3	4-3	A	TYPE A
A-30	5-0	-18.41	TO ROCK	---	30W	TYPE A	43	4-0	-23.09	7-3	3-3	A	TYPE A	56	4-6	-20.23	7-3	2-9	A	TYPE B	17	4-0	-21.96	8-3	4-3	A	TYPE A
A-30	4-0	-18.00	TO ROCK	---	---	TYPE A	44	4-0	-23.09	7-3	3-3	A	TYPE A	D-1	4-0	-17.94	5-6	1-6	A	TYPE A	18	4-0	-22.53	8-3	4-3	A	TYPE A
A-31	4-0	-23.44	5-0	3-0	A	TYPE A	45	4-0	-23.09	6-6	2-6	A	TYPE A	2	4-0	-17.94	5-6	1-6	A	TYPE A	19	4-0	-22.53	9-0	5-0	A	TYPE A
32	4-0	-23.44	5-0	3-0	A	TYPE A	46	4-0	-22.70	6-3	2-3	A	TYPE A	3	4-0	-17.94	5-6	1-6	A	TYPE A	20	4-0	-22.53	9-0	5-0	A	TYPE A
33	4-0	-23.44	8-0	4-0	A	TYPE A	47	4-0	-22.70	7-3	3-3	A	TYPE A	4	4-0	-17.94	5-6	1-6	A	TYPE A	21	4-0	-22.53	8-3	4-3	A	TYPE A
34	4-0	-23.44	8-0	4-0	A	TYPE A	48	4-0	-22.70	7-3	3-3	A	TYPE A	5	4-0	-17.94	6-6	2-6	A	TYPE A	22	4-0	-22.78	8-3	4-3	A	TYPE A
35	4-0	-23.44	9-0	5-0	A	TYPE A	49	4-0	-22.70	6-3	2-3	A	TYPE A	6	4-0	-19.86	6-6	2-6	A	TYPE A	23	4-0	-22.78	9-0	5-0	A	TYPE A
36	4-0	-23.44	9-0	5-0	A	TYPE A	50	4-0	-22.70	6-3	2-3	A	TYPE A	7	4-0	-19.86	7-3	3-3	A	TYPE A	24	4-0	-22.78	9-0	5-0	A	TYPE A
37	4-0	-23.44	8-0	4-0	A	TYPE A	51	4-0	-22.70	7-3	3-3	A	TYPE A	8	4-0	-19.86	7-3	3-3	A	TYPE A	25	4-0	-22.78	8-3	4-3	A	TYPE A
38	4-0	-23.44	8-0	4-0	A	TYPE A	52	4-0	-22.70	7-3	3-3	A	TYPE A	9	4-0	-19.86	7-3	3-3	A	TYPE A	26	4-0	-22.78	8-6	4-6	A	TYPE A
39	4-0	-23.09	8-3	4-3	A	TYPE A	53	4-0	-22.70	6-3	2-3	A	TYPE A	10	4-0	-19.86	7-0	3-0	A	TYPE A	27	4-0	-22.78	9-0	5-0	A	TYPE A
40	4-0	-23.09	8-3	4-3	A	TYPE A	54	4-0	-22.70	6-3	2-3	A	TYPE A	11	4-0	-21.07	6-6	2-6	A	TYPE A	28	4-0	-22.78	9-6	5-6	A	TYPE A
41	4-0	-23.09	8-3	4-3	A	TYPE A	55	4-0	-22.70	6-3	2-3	A	TYPE A	12	4-0	-21.07	7-3	3-3	A	TYPE A	29	4-0	-22.78	8-6	4-6	A	TYPE A
42	4-0	-23.09	8-3	4-3	A	TYPE A	56	4-0	-22.70	6-3	2-3	A	TYPE A	13	4-0	-21.07	6-6	2-6	A	TYPE A	30	4-0	-22.78	8-9	4-9	A	TYPE A
43	4-0	-23.09	9-0	5-0	A	TYPE A	57	4-0	-22.70	6-3	2-3	A	TYPE A	14	4-0	-21.07	6-6	2-6	A	TYPE A	31	4-0	-22.78	9-3	5-3	A	TYPE A
44	4-0	-23.09	9-0	5-0	A	TYPE A	58	4-0	-22.70	6-3	2-3	A	TYPE A	15	4-0	-21.96	6-6	2-6	A	TYPE A	32	4-0	-22.78	9-3	5-3	A	TYPE A
45	4-0	-23.09	8-3	4-3	A	TYPE A	59	4-0	-22.70	6-3	2-3	A	TYPE A	16	4-0	-21.96	7-3	3-3	A	TYPE A	33	4-0	-22.78	8-9	4-9	A	TYPE A
46	4-0	-22.70	8-0	4-0	A	TYPE A	60	4-0	-22.70	6-0	2-0	A	TYPE A	17	4-0	-21.96	7-3	3-3	A	TYPE A	34	4-0	-22.78	8-9	4-9	A	TYPE A
47	4-0	-22.70	9-0	5-0	A	TYPE A	C-3	4-6	-16.20	7-6	3-0	A	TYPE B	18	4-0	-21.96	7-3	3-3	A	TYPE A	35	4-0	-22.78	8-6	4-6	A	TYPE A
48	4-0	-22.70	9-0	5-0	A	TYPE A	4	4-6	-16.20	7-3	2-9	A	TYPE B	19	4-0	-22.53	6-6	2-6	A	TYPE A	36	4-0	-22.78	9-3	5-3	A	TYPE A
49	4-0	-22.70	8-0	4-0	A	TYPE A	5	4-6	-18.62	7-3	2-9	A	TYPE B	20	4-0	-22.53	7-3	3-3	A	TYPE A	37	4-0	-22.78	9-3	5-3	A	TYPE A
50	4-0	-22.70	8-0	4-0	A	TYPE A	6	4-6	-18.62	12-0	7-6	A	TYPE B	21	4-0	-22.53	7-3	3-3	A	TYPE A	38	4-0	-22.78	9-3	5-3	A	TYPE A
51	4-0	-22.70	9-0	5-0	A	TYPE A	7	4-6	-18.62	12-0	7-6	A	TYPE B	22	4-0	-22.53	6-6	2-6	A	TYPE A	39	4-0	-22.78	9-3	5-3	A	TYPE A
52	4-0	-22.70	9-0	5-0	A	TYPE A	8	4-6	-18.62	12-0	7-6	A	TYPE B	23	4-0	-22.53	6-6	2-6	A	TYPE A	40	4-0	-22.78	9-3	5-3	A	TYPE A
53	4-0	-22.70	8-0	4-0	A	TYPE A	9	4-6	-18.62	12-0	7-6	A	TYPE B	24	4-0	-22.53	6-6	2-6	A	TYPE A	41	4-0	-22.78	9-3	5-3	A	TYPE A
54	4-0	-22.32	8-3	4-3	A	TYPE A	10	4-6	-19.85	9-0-18-0	8-6	A	TYPE B	25	4-0	-22.53	6-6	2-6	A	TYPE A	42	4-0	-22.78	9-3	5-3	A	TYPE A
55	4-0	-22.32	9-0	5-0	A	TYPE A	11	4-6	-19.85	12-0	7-6	A	TYPE B	26	4-0	-22.53	6-6	2-6	A	TYPE A	43	4-0	-22.78	9-3	5-3	A	TYPE A
56	4-0	-22.32	9-0	5-0	A	TYPE A	12	4-6	-19.85	12-0	7-6	A	TYPE B	27	4-0	-22.53	6-6	2-6	A	TYPE A	44	4-0	-22.78	9-3	5-3	A	TYPE A
57	4-0	-22.32	8-0	4-0	A	TYPE A	13	4-6	-19.85	9-0-18-0	8-6	A	TYPE B	28	4-0	-22.53	6-6	2-6	A	TYPE A	45	4-0	-22.78	9-3	5-3	A	TYPE A
58</																											

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 2 0202.4-1	600R	COOK	134	43
PROJECT: NW SUPERHIGHWAY				



DE LEW, CATHER & CO. ENGINEERS
 DESIGNED BY A.B.N.F.W.
 DRAWN BY F.B.
 CHECKED S.A.I.
 IN CHARGE *[Signature]*



CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 FOUNDATION GIRDERS

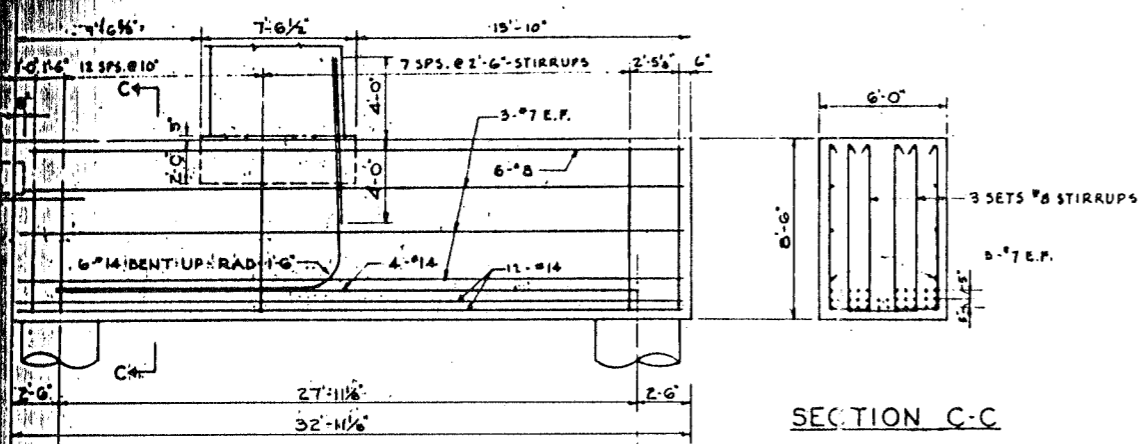
SCALE: AS NOTED

SHEET NO. S-26 OF 134 SHEETS

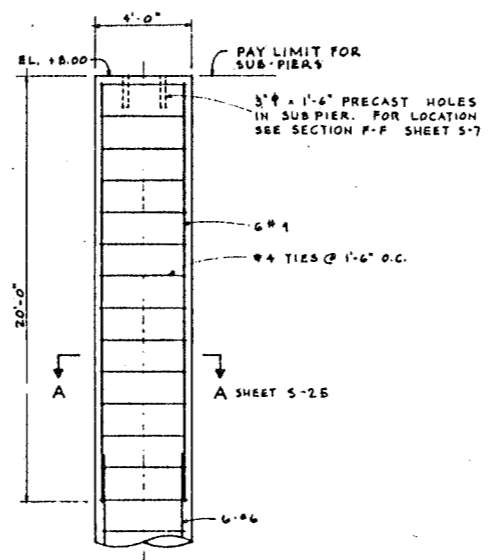
DATE: MARCH 18, 1957

KE

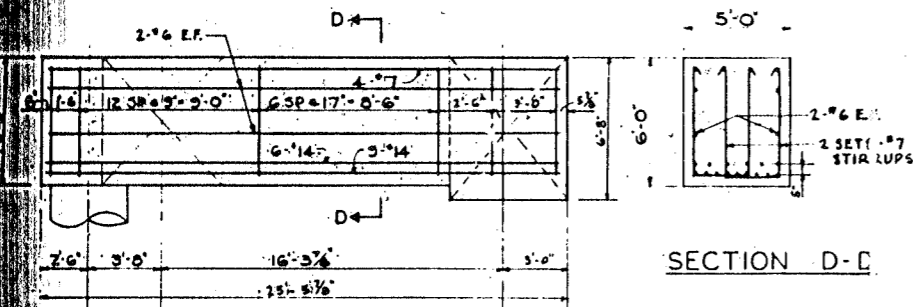
LOT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 1	0202.4-1	COOK	134	44
PER. OR BY	DATE	ILLINOIS	PROJECT (1-02-61)	



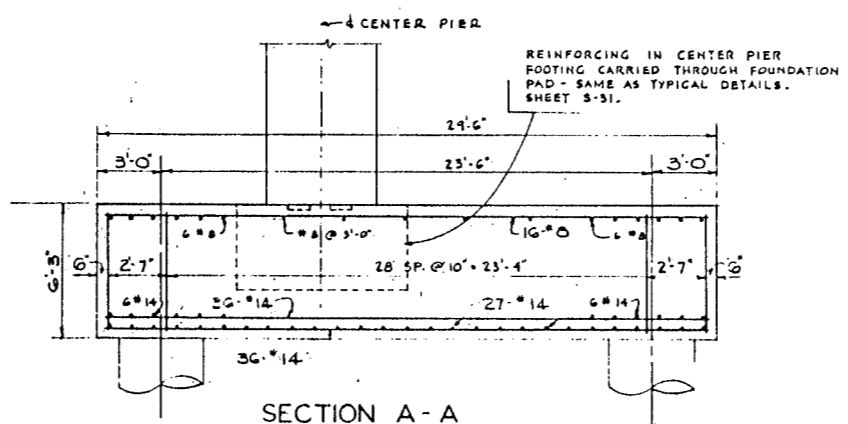
GIRDER 43-EAST
SCALE: 1/4" = 1'-0"



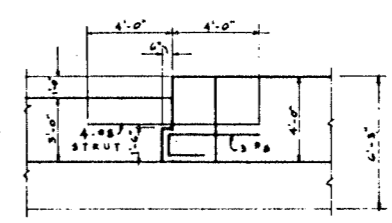
DETAIL OF SUB PIERS
A2 30s & A4 30N
SCALE: 1/4" = 1'-0"



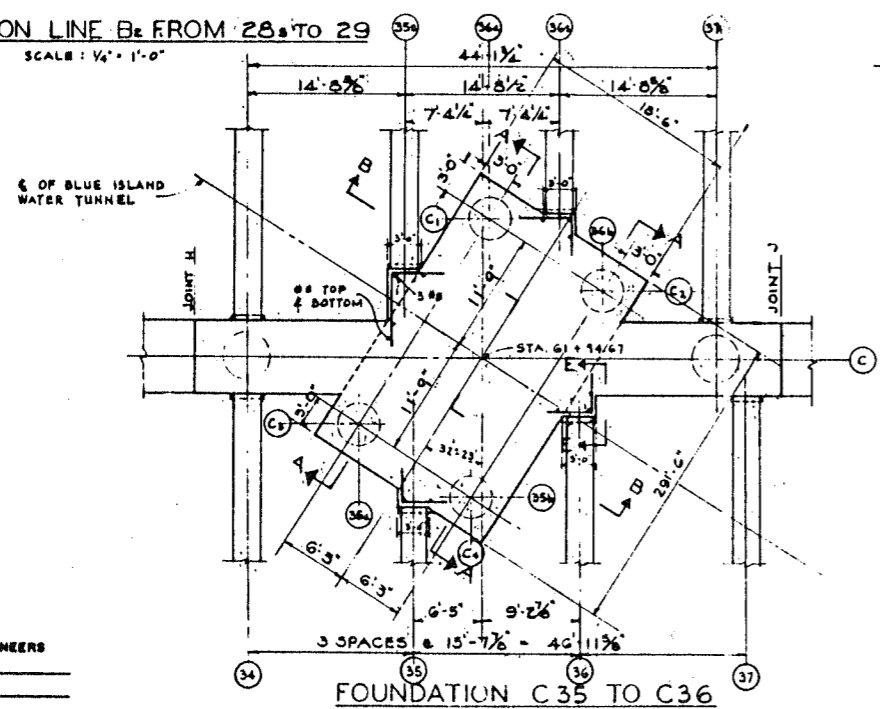
GIRDER ON LINE B2 FROM 28 TO 29
SCALE: 1/4" = 1'-0"



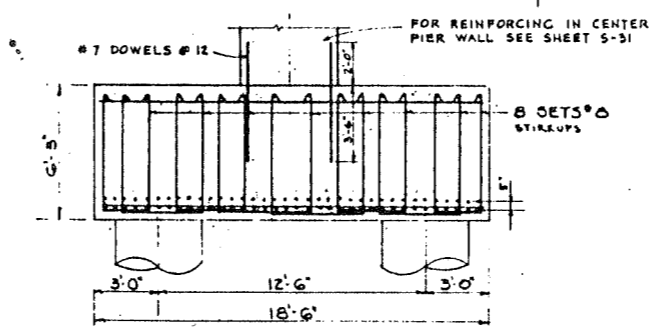
SECTION A-A
SCALE: 1/4" = 1'-0"



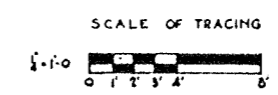
SECTION E-E
SCALE: 1/4" = 1'-0"



FOUNDATION C35 TO C36
SCALE: 1/8" = 1'-0"



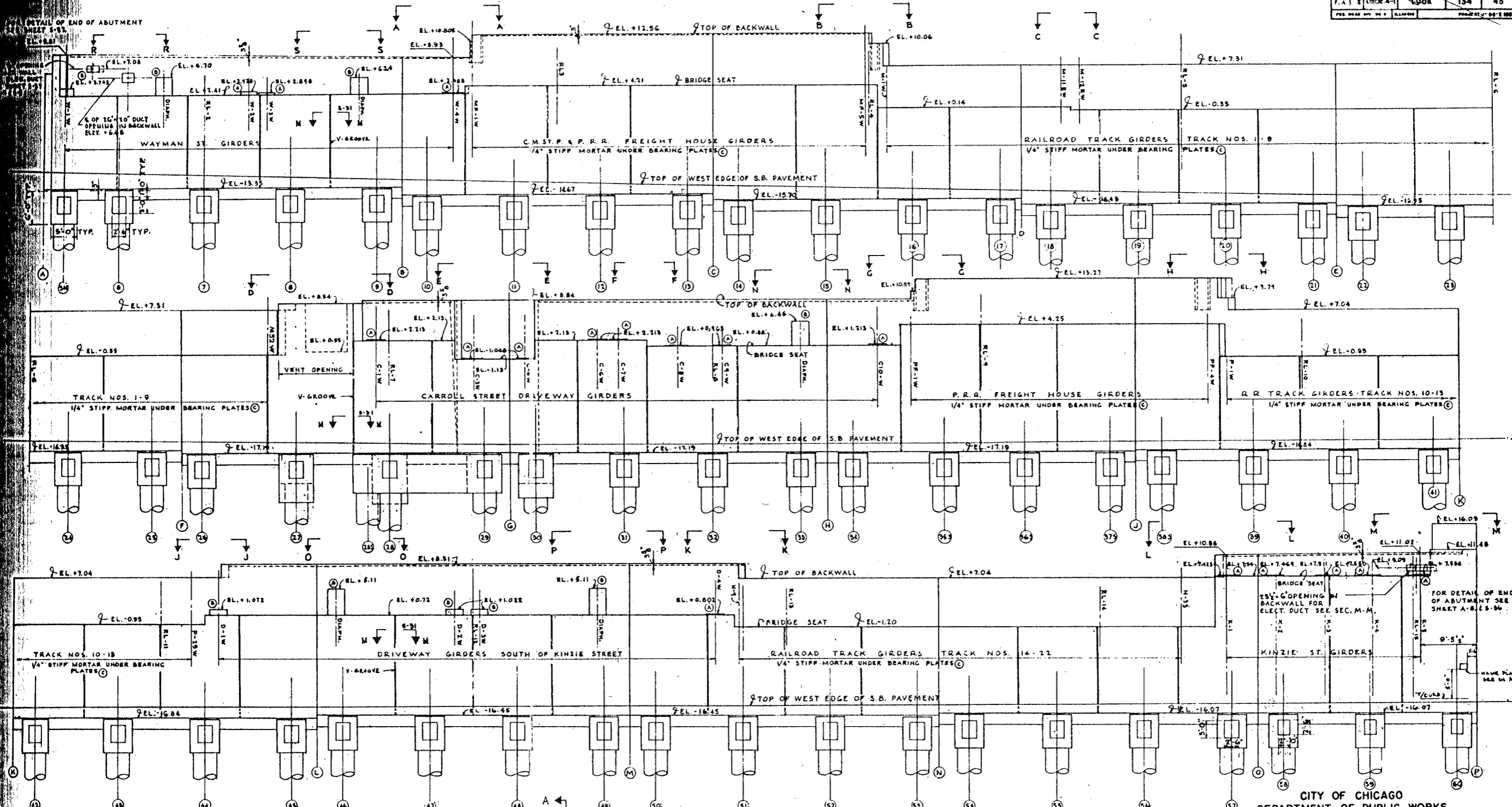
SECTION B-B
SCALE: 1/4" = 1'-0"



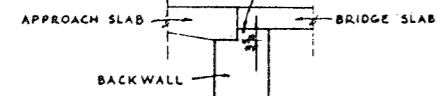
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
FOUNDATION GIRDERS

LEWIS GATHER & CO. ENGINEERS
DESIGNED BY A.B.
CHECKED BY F.S.
DRAWN BY B.A.L.
DATE 3/19/67

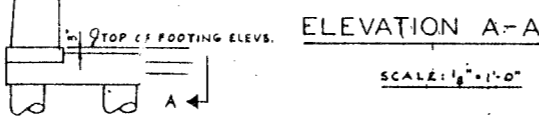
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0202.4-1	COOK	134	45



NOTE.
IN STREET AND DRIVEWAY
AREAS ELEVATIONS OF TOP OF
BACKWALL ARE GIVEN TO THIS LEVEL



TOP OF BACKWALL ELEVATIONS
EXCEPT AS NOTED
BRIDGE SEAT ELEVATIONS



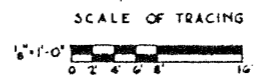
ELEVATION A-A

SCALE: 1/8" = 1'-0"

NOTES

- W1/W DENOTES GIRDER MARKS - SEE FRAMING PLANS.
- RL-1 DENOTES RADIAL LINES - SEE FOUNDATION PLANS.
- (A) - CONCRETE PAD A - SEE DETAIL SHEET S-38
- (B) - CONCRETE PEDESTAL B - SEE DETAIL SHEET S-38
- (C) - DETAIL C - SEE DETAIL SHEET S-38
- FOR SECTIONS, SEE SHEET S-36

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
WEST ABUTMENT ELEVATION

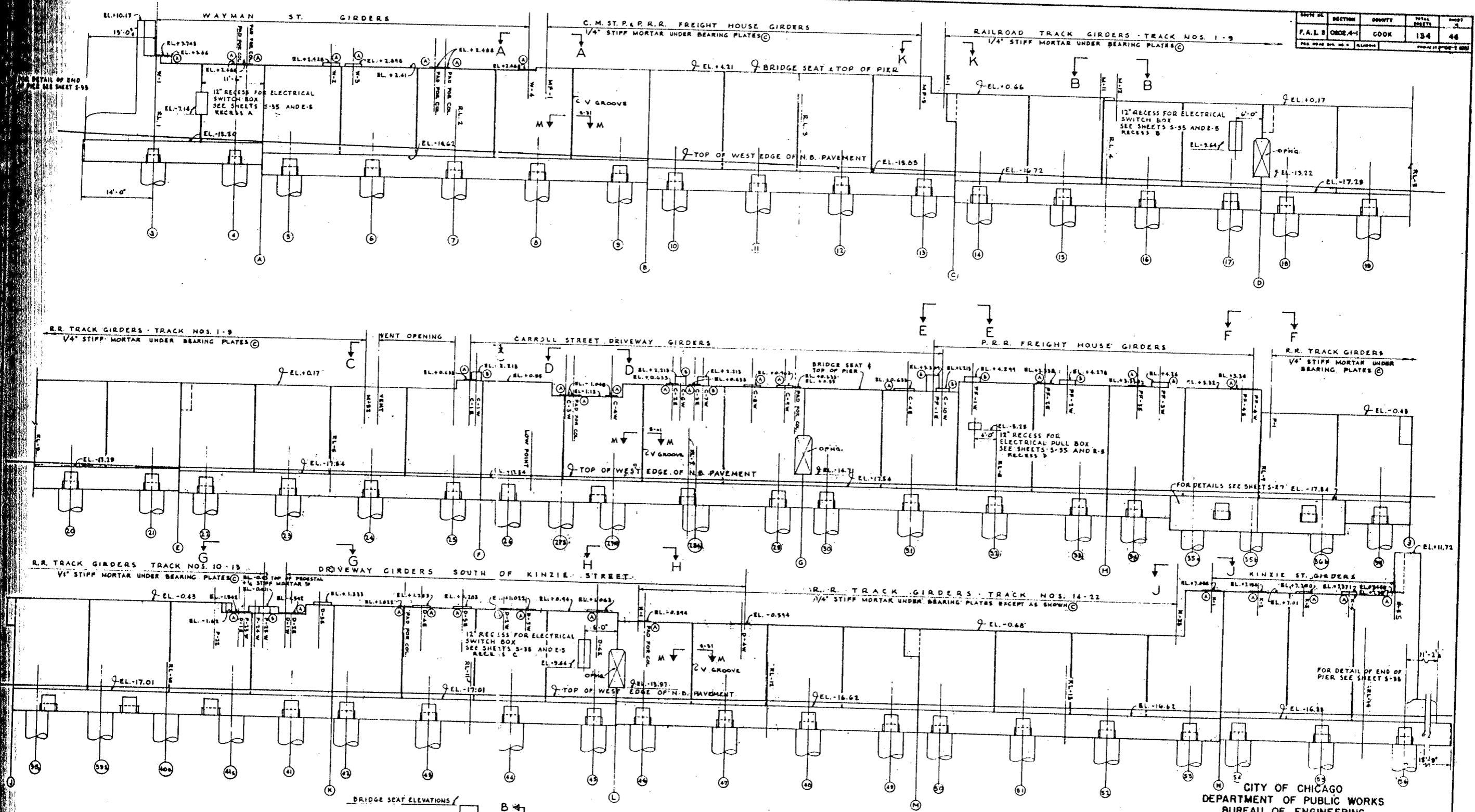


SCALE: AS NOTED

DATE: MARCH 19, 1967
SHEET NO. S-28 OF 134 SHEETS

DE LEW, GATHER & CO. ENGINEERS
DESIGNED BY B.A.L.
DRAWN BY E.M.H.
CHECKED E.M.H.
IN CHARGE

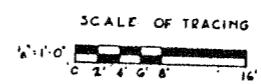
SECTION	COUNTY	TOTAL SHEETS	SHEET
F.A.L. 8	COOK	134	46



DE LEW, CATHER & CO. ENGINEERS
 DESIGNED BY B.A.L.
 DRAWN BY F.M.H.
 CHECKED B.M.H.
 IN CHARGE [Signature]

NOTES
 W-1-W - DENOTES GIRDER MARKS - SEE FRAMING PLANS
 RL-1 - DENOTES RADIAL LINES - SEE FOUNDATION PLANS - SHEETS 5-10 THRU 5-24
 (A) - CONCRETE PAD A SEE SHEET 5-38
 (B) - CONCRETE PEDESTAL B SEE SHEET 5-38
 (C) - DETAIL C SEE SHEET 5-38
 FOR SECTIONS SEE SH. 5-34

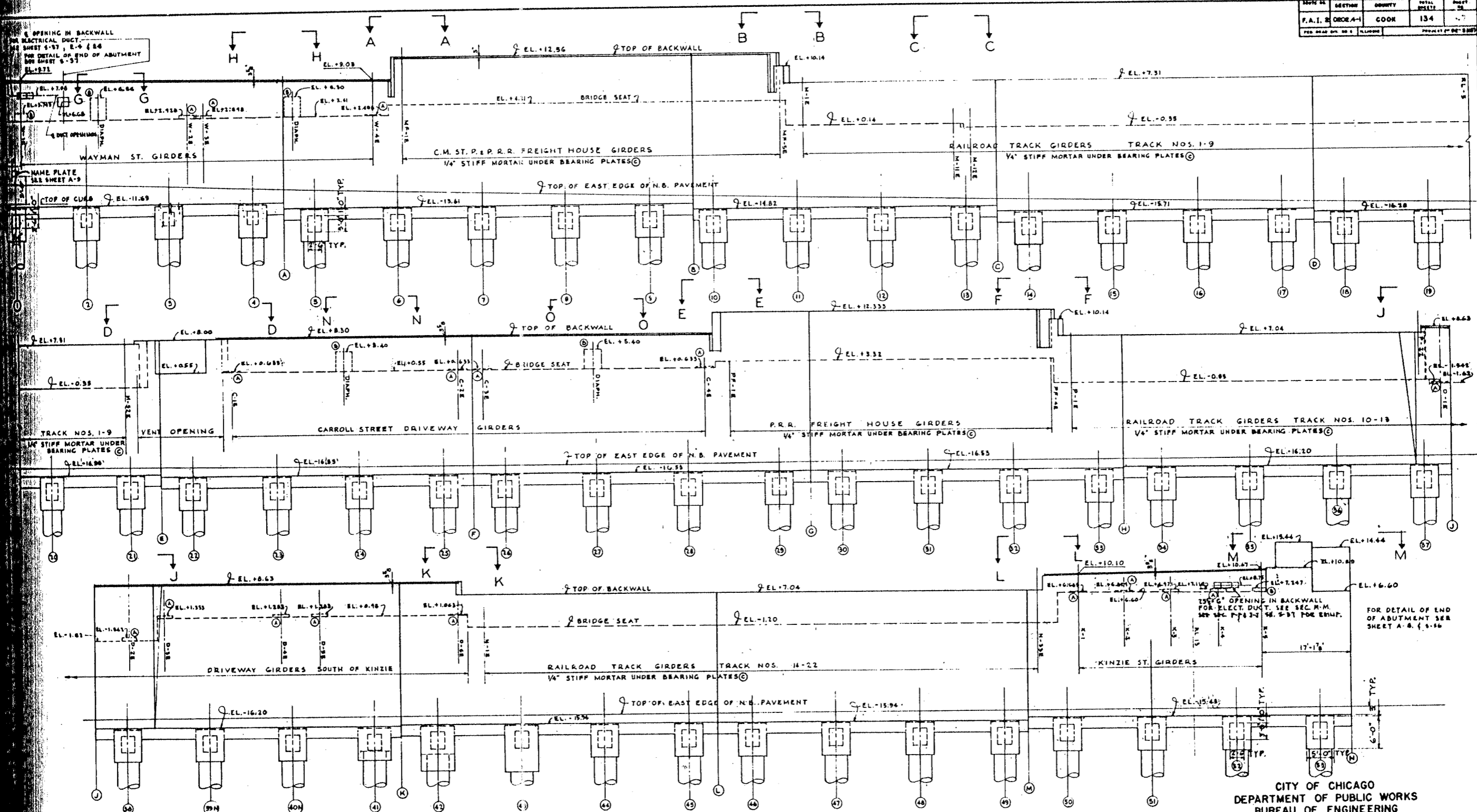
ELEVATION B-B
 SCALE: 1/4" = 1'-0"



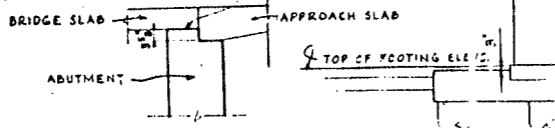
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 CENTER PIER ELEVATION

SCALE: AS NOTED
 DATE: MARCH 19, 1957
 SHEET NO. 5-29 OF 134 SHEETS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P.A.I. 2 0202.4-1	COOK	134	57
PER DRAWING NO. 5	ILLINOIS	PROJECT NO. 502-2857	

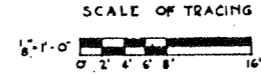


NOTE:
IN STREET AND DRIVEWAY,
AREAS ELEVATIONS OF TOP
OF BACKWALL ARE GIVEN TO THIS LEVEL.



ELEVATION C-C
SCALE: 1" = 1'-0"

NOTES
W-1-W-DENOTES GIRDER MARKS - SEE FRAMING PLANS
RL-1-DENOTES RADIAL LINES - SEE FOUNDATION PLANS
A - CONCRETE PAD A SEE SHEET 5-38
B - CONCRETE PEDESTAL B SEE SHEET 5-38
C - DETAIL C SEE SHEET 5-38
FOR SECTIONS SEE SHEET 5-38
V GROOVES IN FACE OF ABUTMENT WALL SIMILAR
TO EAST ABUTMENT ELEVATION SH. 5-28.

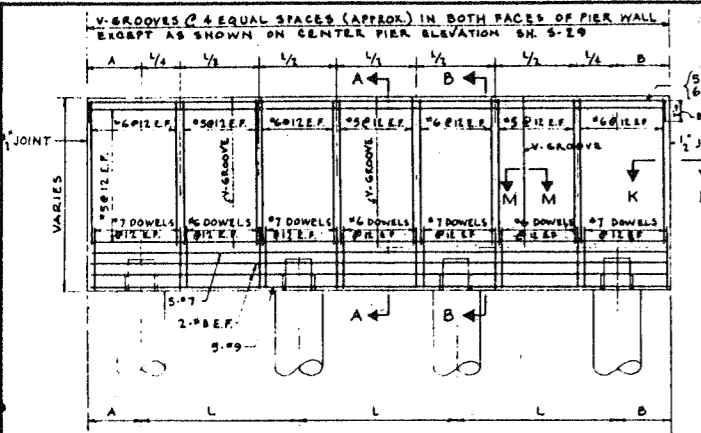


CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
EAST ABUTMENT ELEVATION

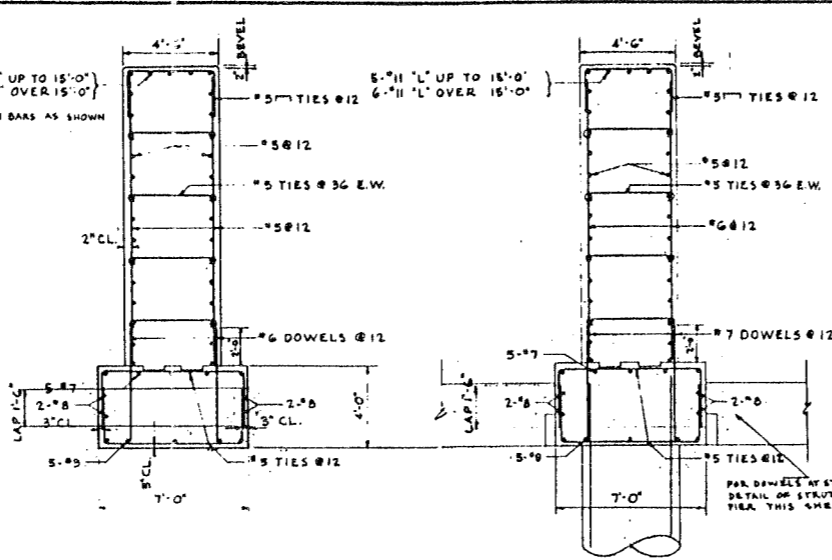
LEWIS, GATHER & CO. ENGINEERS
DESIGNED BY E.A.L.
DRAWN BY E.M.N.
CHECKED E.M.N.
IN CHARGE

DATE: MARCH 16, 1907
SHEET NO. 5-30 OF 134 SHEETS

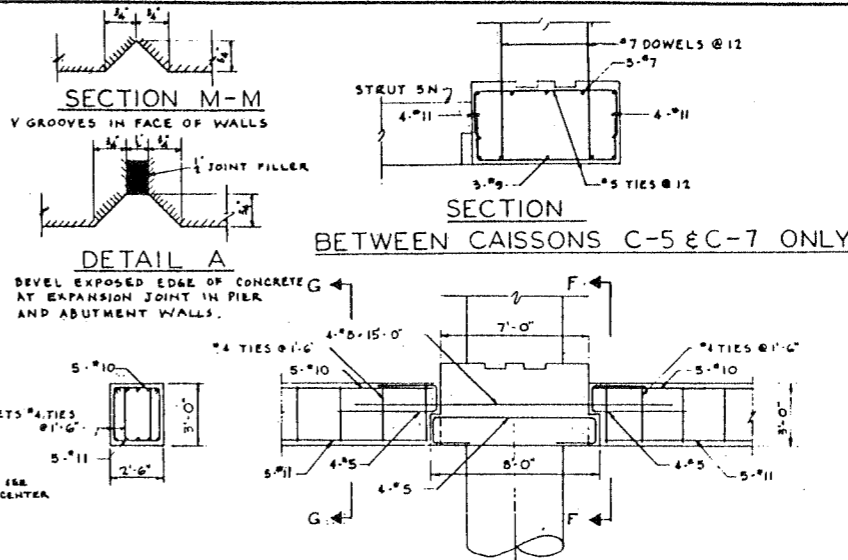
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.L. 3	0202.4-1	COOK	134	48
DESIGNED BY	DRAWN BY	CHECKED BY	IN CHARGE	DATE



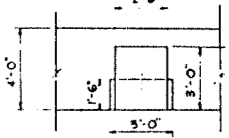
ELEVATION OF TYPICAL CENTER PIER PANEL
SCALE: 1/8" = 1'-0"



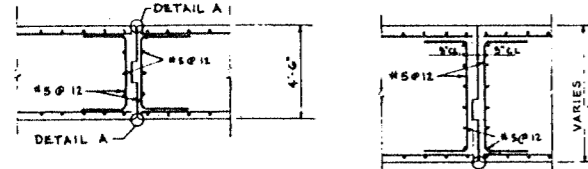
SECTION A-A SCALE: 1/4" = 1'-0"
SECTION B-B SCALE: 1/4" = 1'-0"



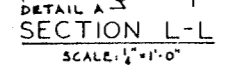
SECTION M-M V GROOVES IN FACE OF WALLS
SECTION G-G TYPICAL STRUT
DETAIL OF STRUT AT CENTER PIER SCALE: 1/4" = 1'-0"



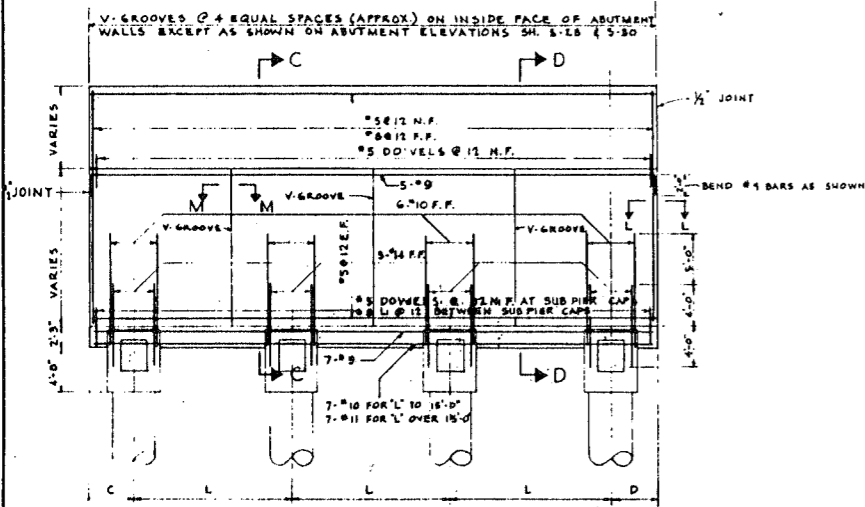
SECTION F-F



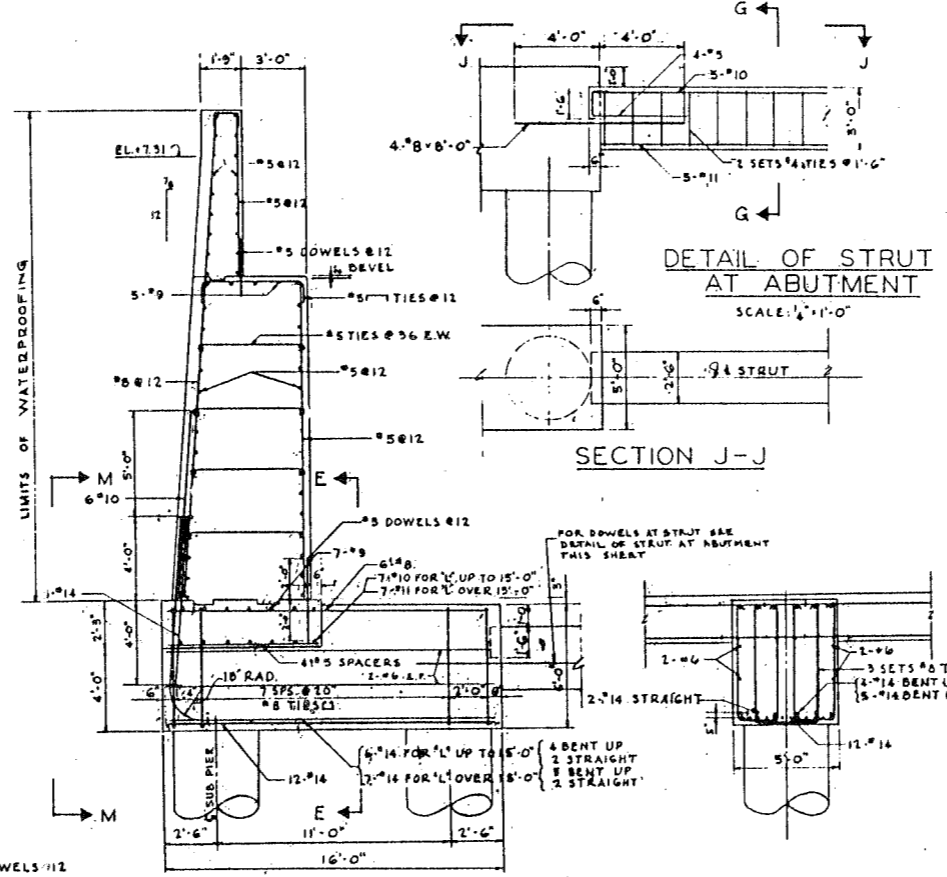
SECTION K-K SCALE: 1/4" = 1'-0"
DETAIL A



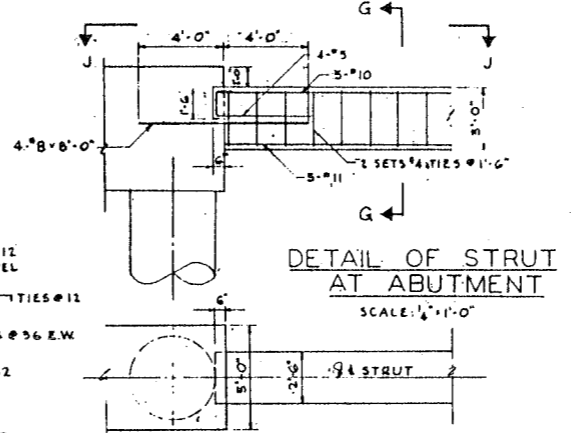
SECTION L-L SCALE: 1/4" = 1'-0"



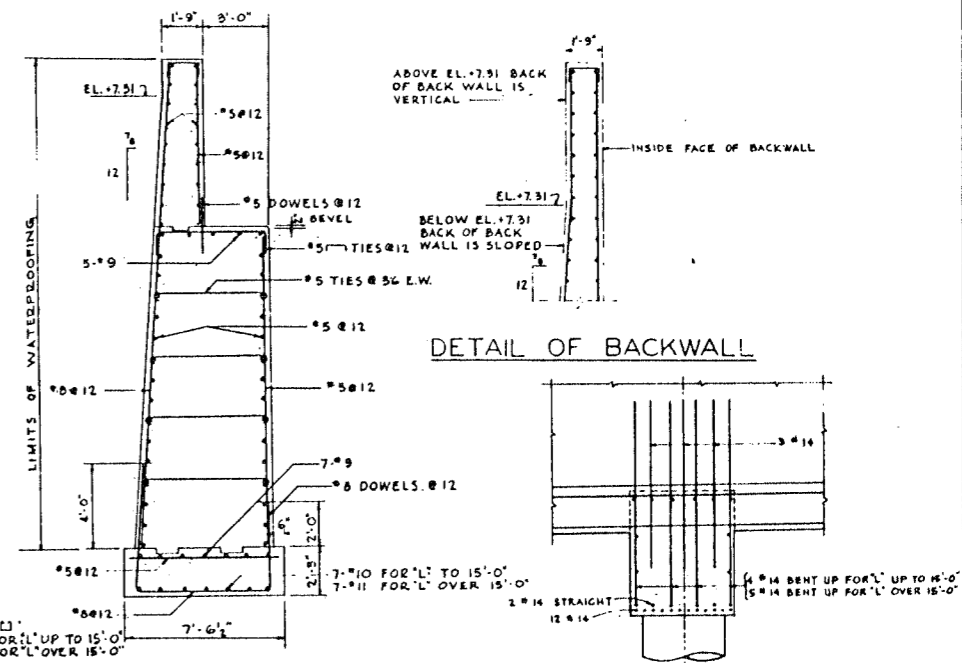
ELEVATION OF TYPICAL ABUTMENT PANEL
SCALE: 1/8" = 1'-0"



SECTION C-C SUB PIER CAP A SCALE: 1/4" = 1'-0"
SECTION E-E SCALE: 1/4" = 1'-0"

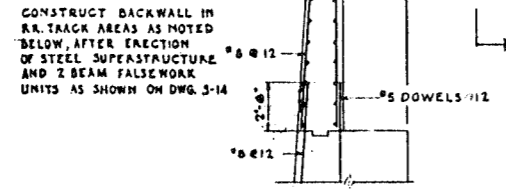


DETAIL OF STRUT AT ABUTMENT SCALE: 1/4" = 1'-0"



SECTION D-D SCALE: 1/4" = 1'-0"
SECTION M-M SCALE: 1/4" = 1'-0"

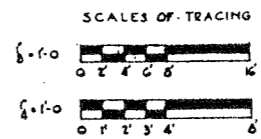
DETAIL OF BACKWALL



DETAIL OF BACKWALL AT TRACKS 1-9, 10-13 AND DETOUR FOR TRACK 15 SCALE: 1/4" = 1'-0"

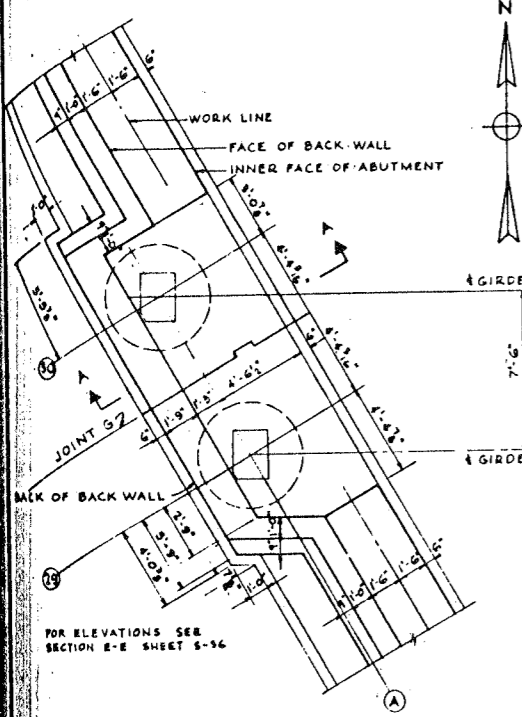
DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY K.S.R.A.B.
DRAWN BY E.M.H.
CHECKED R.A.L.
IN CHARGE [Signature]

NOTE: FOR ABUTMENT AND PIER WALLS DEVEL ALL EXPOSED EDGES OF CONCRETE 1/4", EXCEPT AS NOTED.

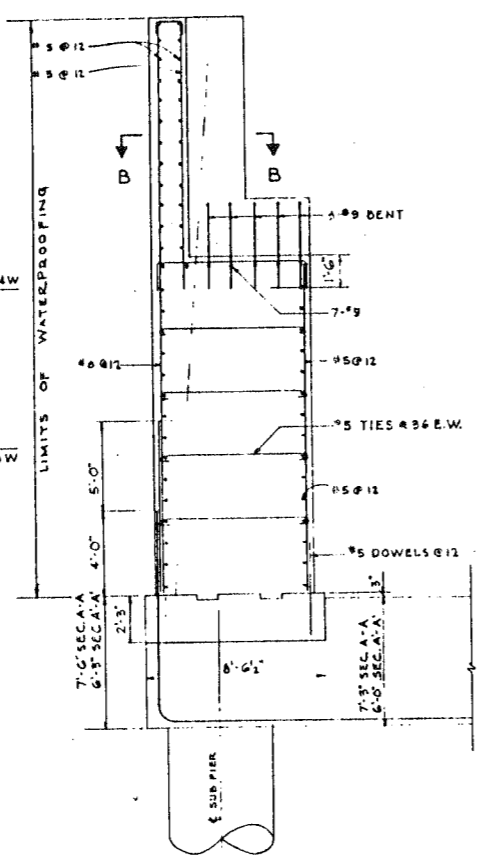


CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
ABUTMENT AND PIER SECTIONS

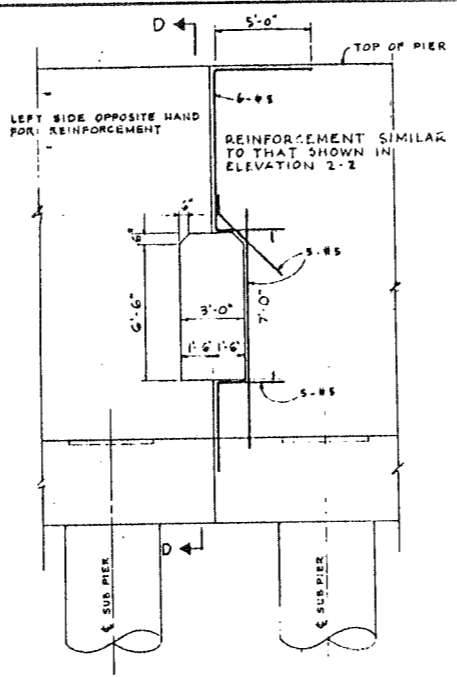
SCALE: AS NOTED
DATE: MARCH 19, 1937
SHEET NO. 5-31 OF 134 SHEETS



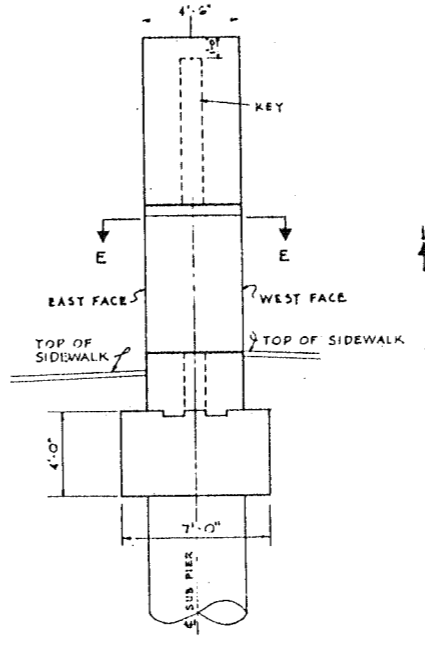
PLAN OF WEST ABUTMENT AT HALSTED ST. BRIDGE SUPPORTS
SCALE: 1/4" = 1'-0"



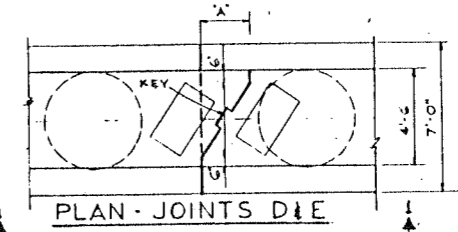
SECTION A-A
SECTION A-A SIMILAR
SCALE: 1/4" = 1'-0"



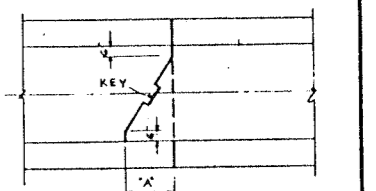
ELEVATION OF CENTER PIER AT JOINTS G & L
JOINT D SIMILAR
SCALE: 1/4" = 1'-0"



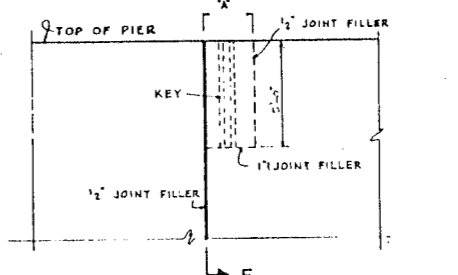
SECTION D-D



PLAN - JOINTS D & E

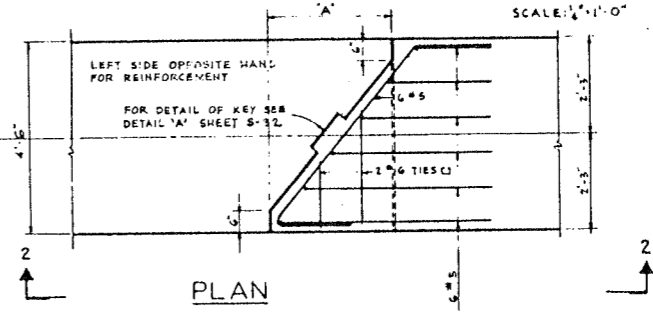


PLAN - JOINTS C, J & M

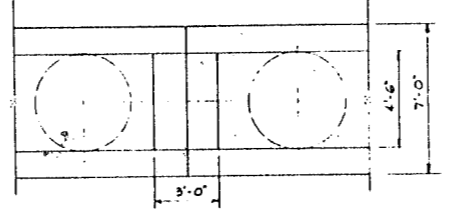


ELEVATION 1-1
BRACKET IN CENTER PIER AT JOINTS
SEE SHEETS 1- TO 5- FOR LOCATIONS
SCALE: 1/4" = 1'-0"

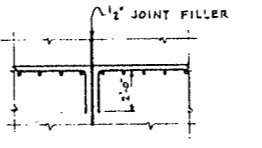
JOINT	"A"
A	0
B	0
C	1'-9 1/2"
D	1'-10 3/4"
E	1'-11 1/4"
F	0
G	0
H	0
J	2'-3 3/8"
K	0
L	0
M	2'-7 1/8"
N	0



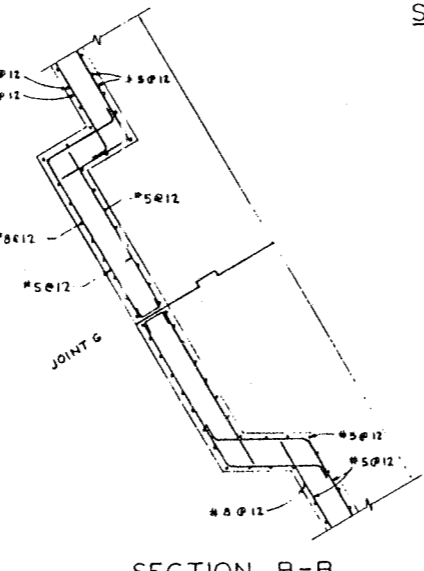
PLAN



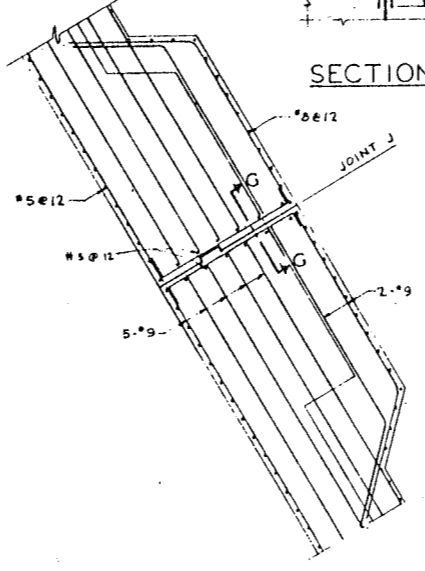
SECTION E-E
SCALE: 1/4" = 1'-0"



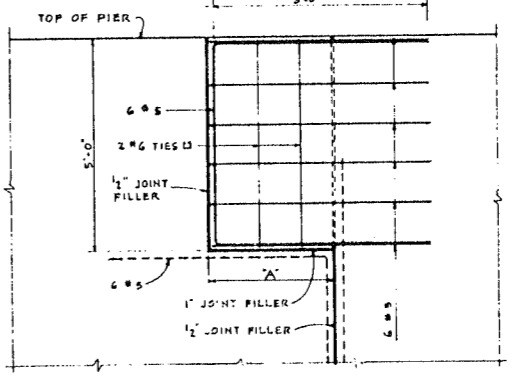
SECTION G-G



SECTION B-B
SCALE: 1/4" = 1'-0"

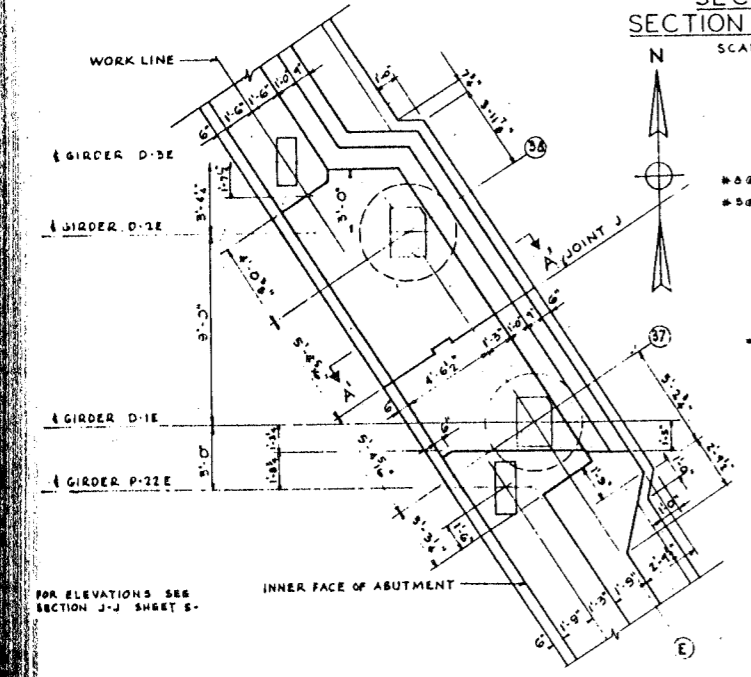
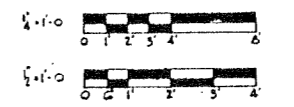


PLAN OF REINFORCEMENT AT BRIDGE SEAT FOR SECTION A-A & A-A



ELEVATION 2-2
ADDITIONAL REINFORCEMENT IN CENTER PIER BRACKETS
SCALE: 1/2" = 1'-0"

SCALES OF TRACING



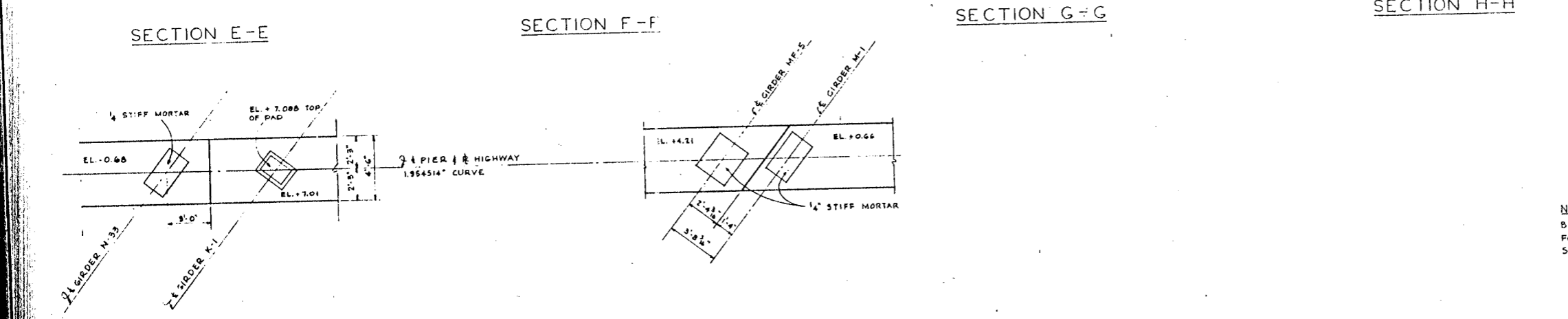
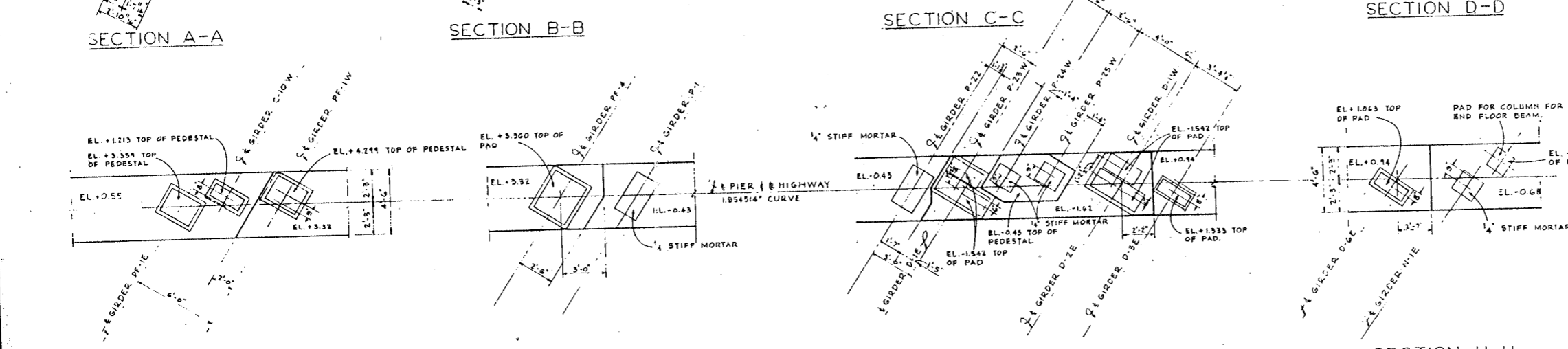
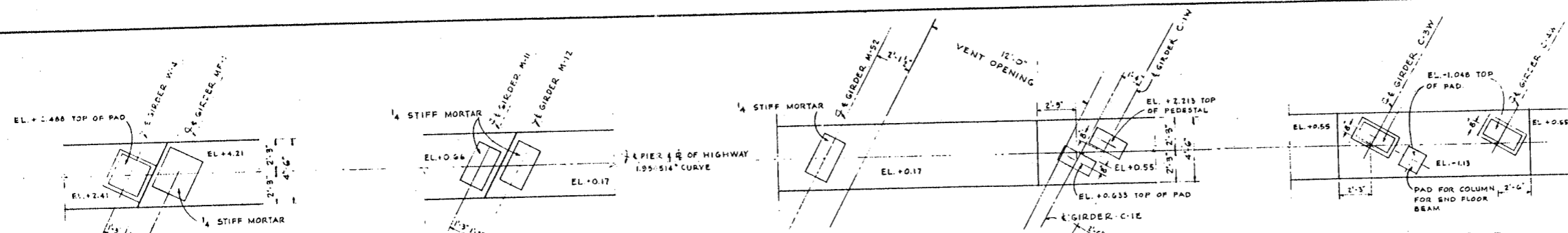
PLAN OF EAST ABUTMENT AT HALSTED ST. BRIDGE SUPPORTS
SCALE: 1/4" = 1'-0"

DE LUW, CATHER & CO. ENGINEERS
DESIGNED BY A.B.
DRAWN BY E.M.H.
CHECKED B.A.L.B.R.S.H.
IN CHARGE

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
ABUTMENT AND PIER SECTIONS

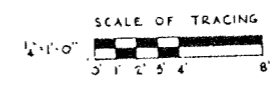
SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. S-33 OF 134 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1. 2	0202.4-1	COOK	134	51
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT 1-02-2133	



NOTES
 BEVEL EXPOSED EDGES OF CONCRETE 1/4"
 FOR DETAILS OF PADS AND PEDESTALS
 SEE SHEET 5-38.

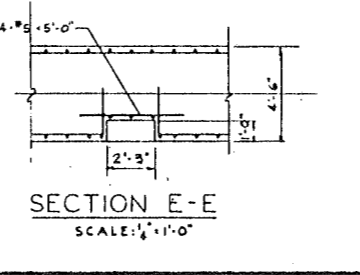
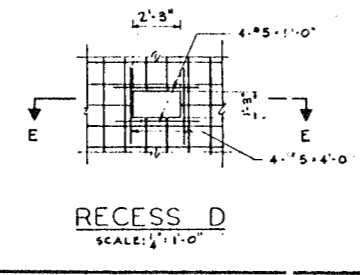
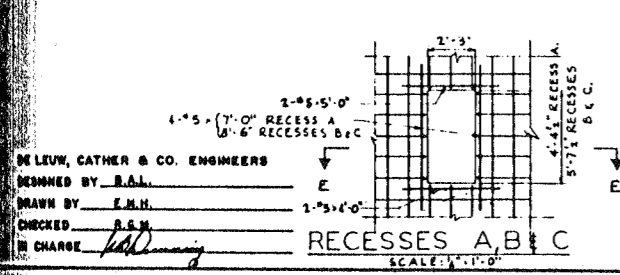
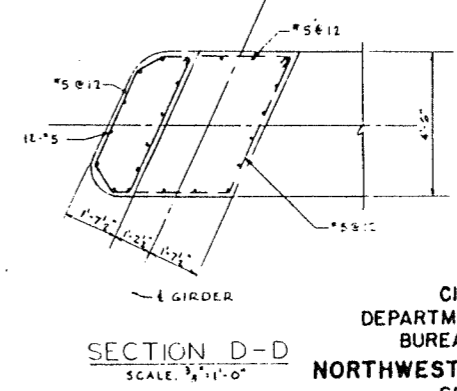
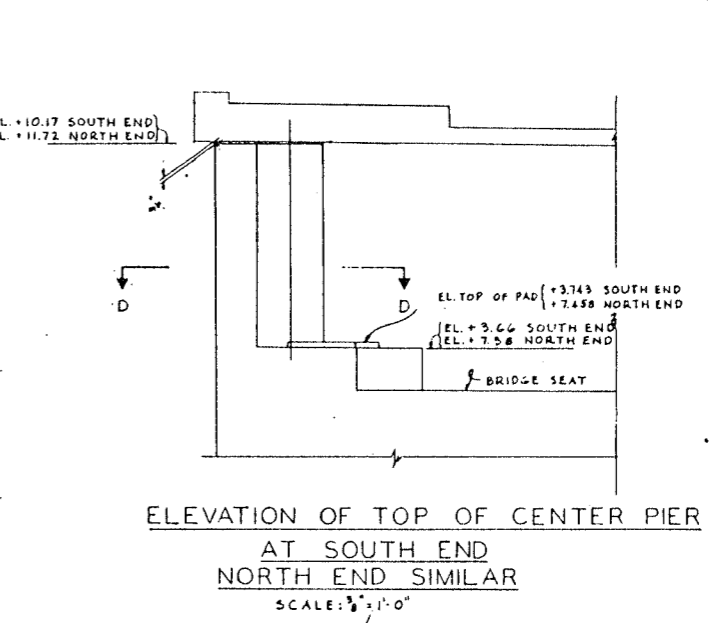
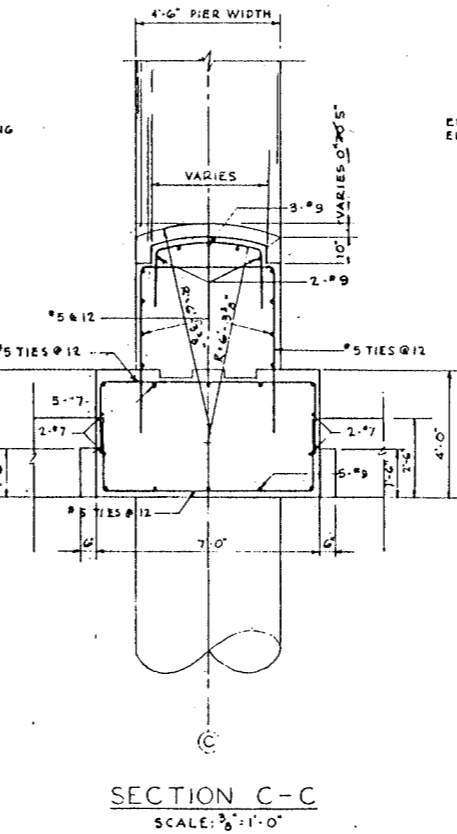
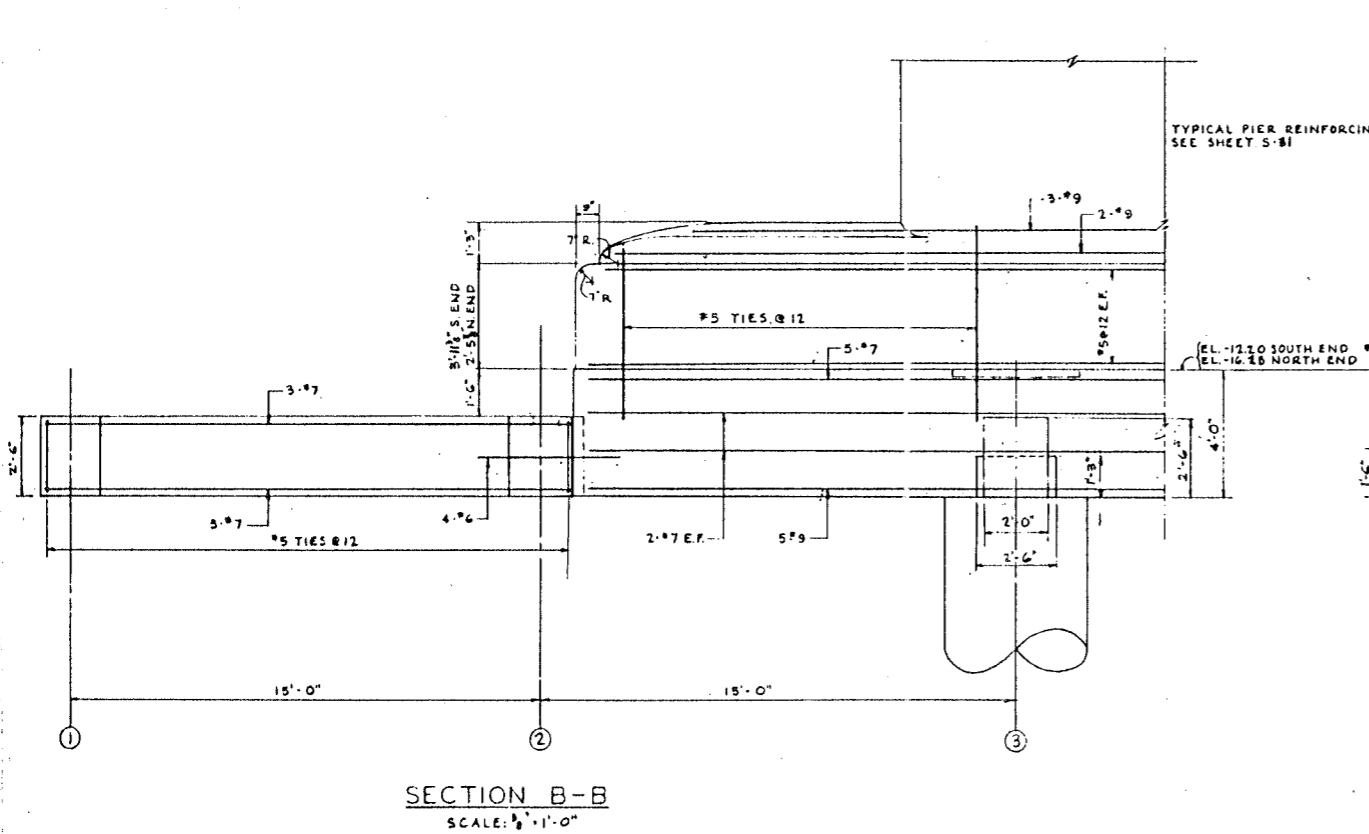
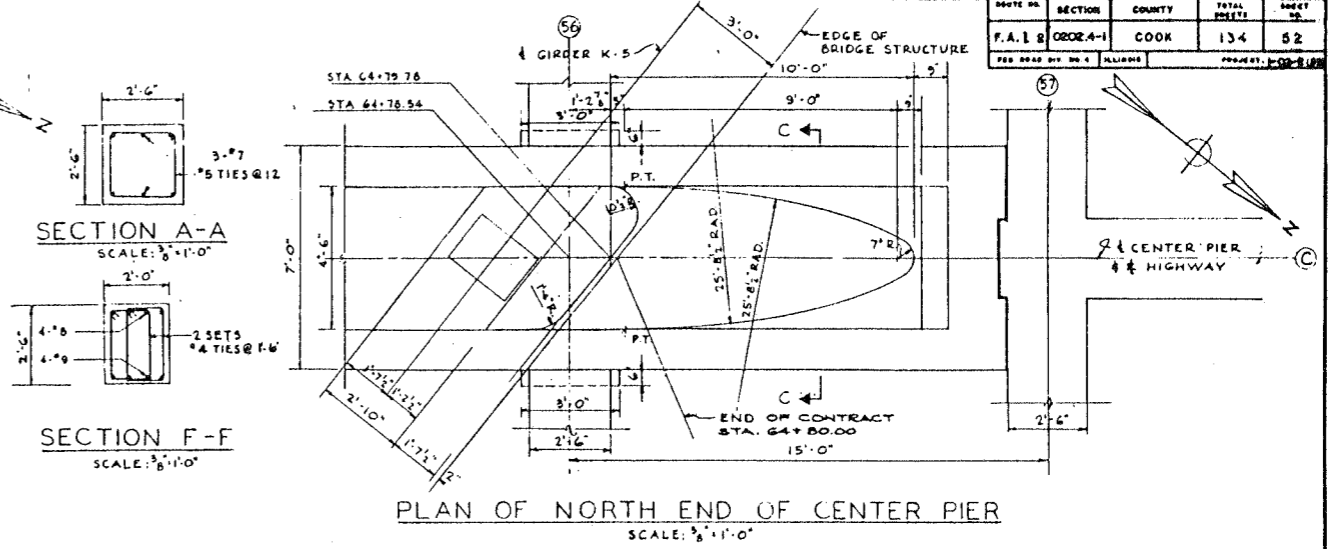
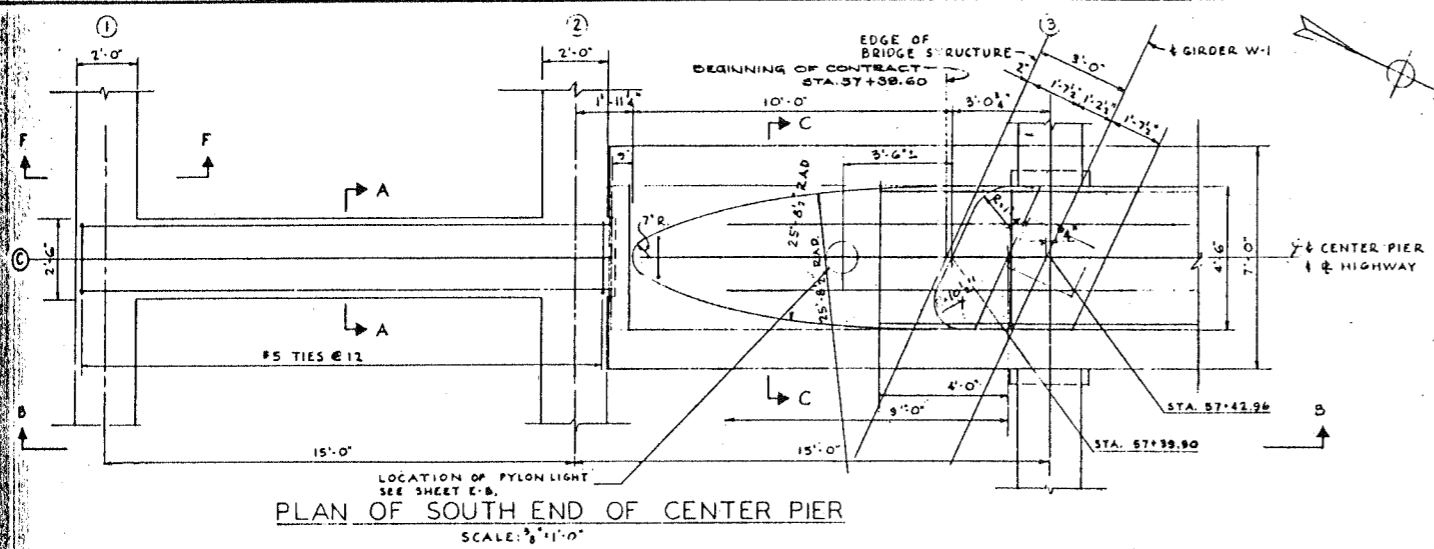
DE LEUW, CATHAR & CO. ENGINEERS
 DESIGNED BY A.A.L.
 DRAWN BY E.N.H.
 CHECKED R.G.H.
 IN CHARGE [Signature]



CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.

CENTER PIER DETAILS (KE)
 SCALE: AS NOTED
 DATE: MARCH 19, 1957
 SHEET NO. 5-34 OF 134 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 18	0202.4-1	COOK	134	52
DESIGNED BY: B.A.L.		DRAWN BY: E.M.H.		CHECKED: R.S.M.
IN CHARGE: [Signature]		DATE: MARCH 19, 1957		SHEET NO. S-35 OF 134 SHEETS

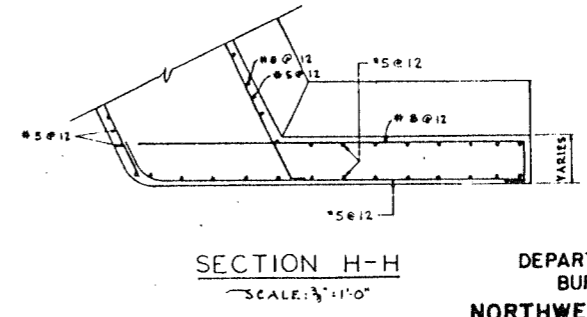
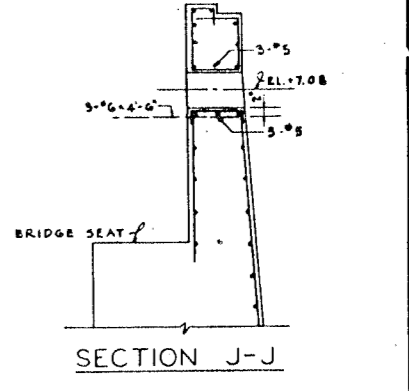
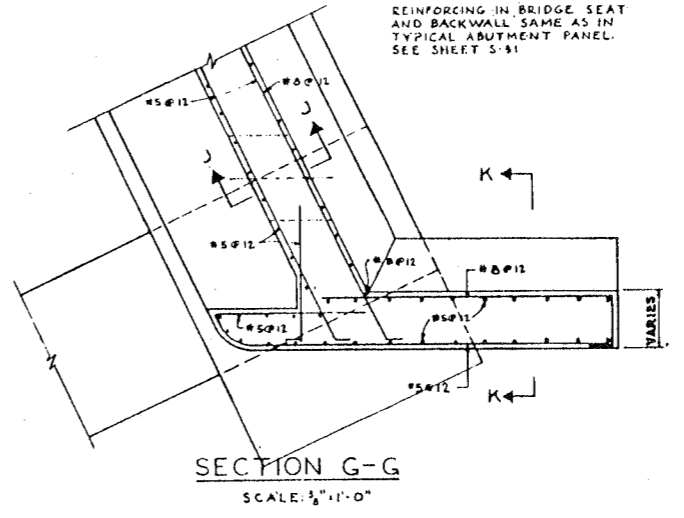
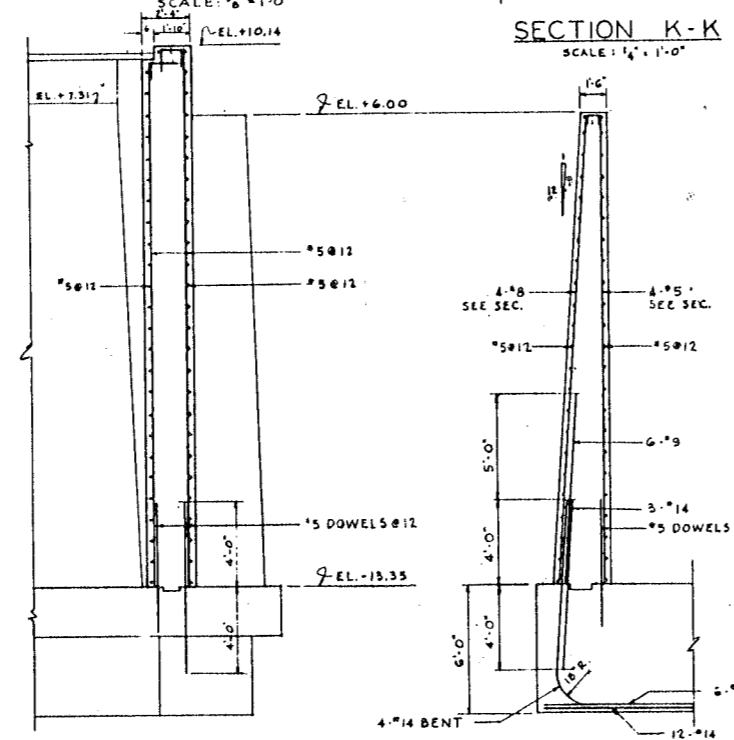
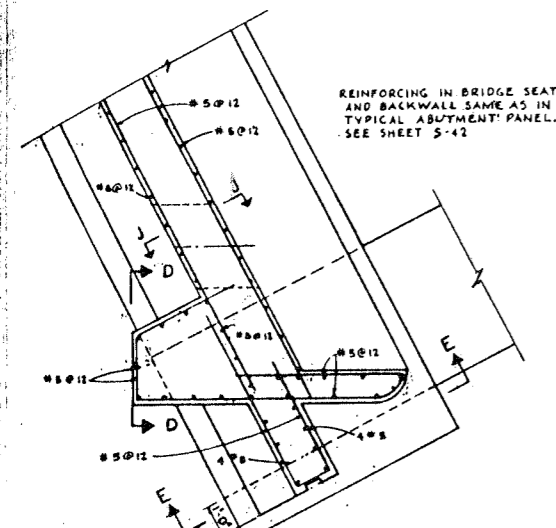
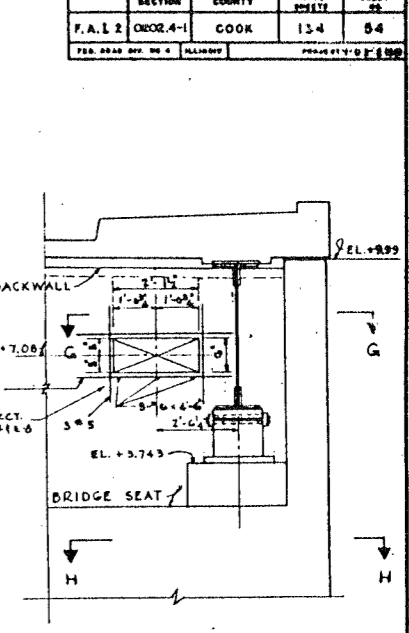
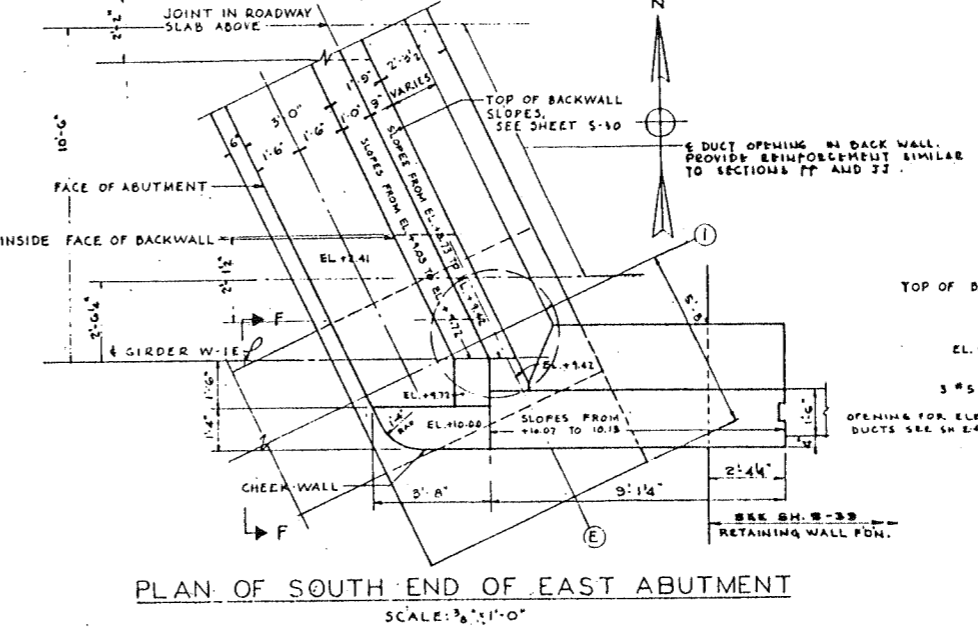
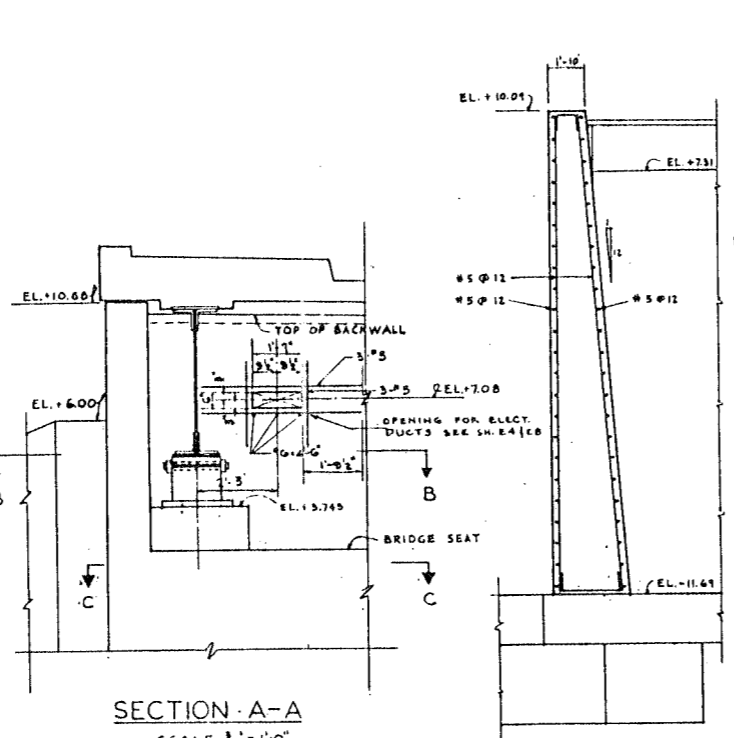
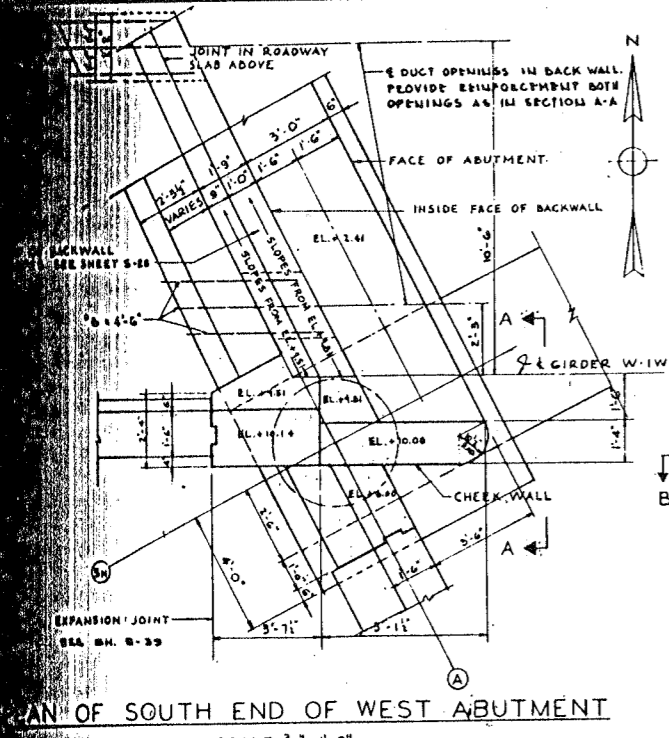


DE LUVA, CATHER & CO. ENGINEERS
 DESIGNED BY: B.A.L.
 DRAWN BY: E.M.H.
 CHECKED: R.S.M.
 IN CHARGE: [Signature]



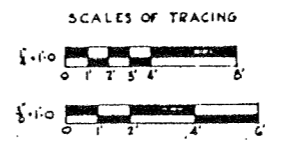
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 CENTER PIER DETAILS
 SCALE: AS NOTED
 DATE: MARCH 19, 1957
 SHEET NO. S-35 OF 134 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	54
DESIGNED BY: H. S. HALLIBURY			PROJECT NO. 10-1957	



LLOYD, CATHER & CO. ENGINEERS
 DESIGNED BY: A.B.
 DRAWN BY: F.M.H.
 CHECKED: J.A.L.B.R.M.
 IN CHARGE: [Signature]

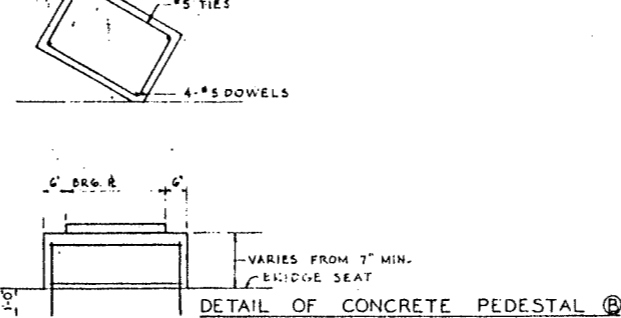
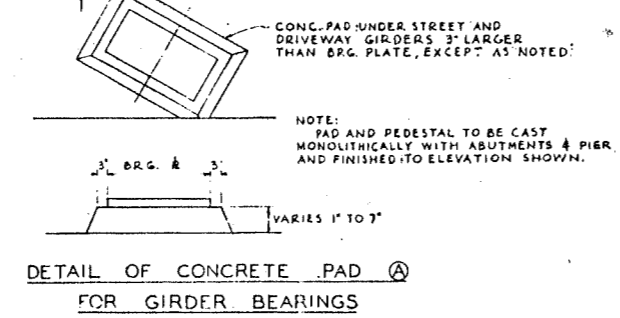
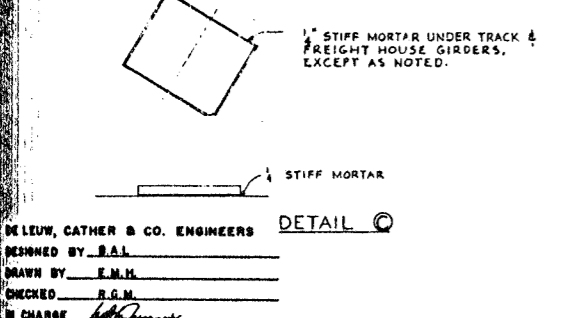
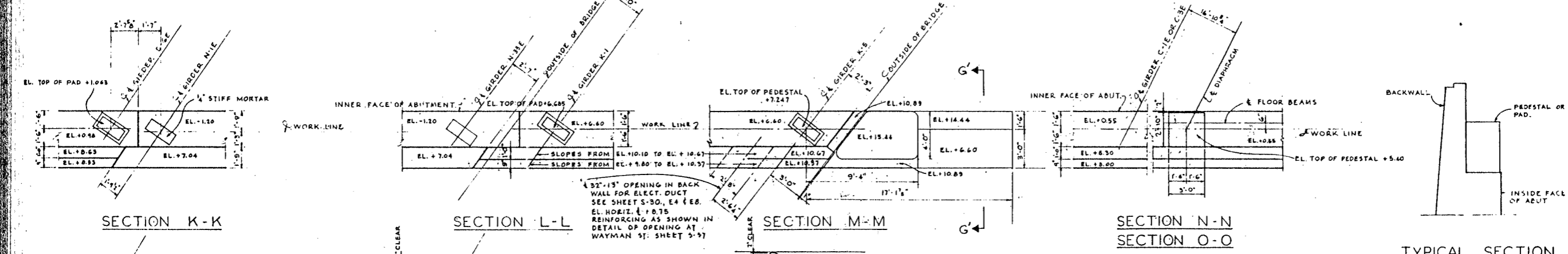
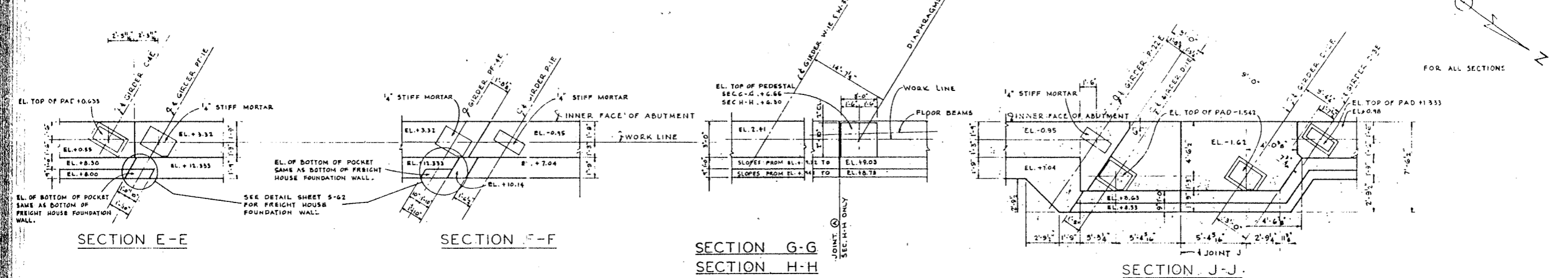
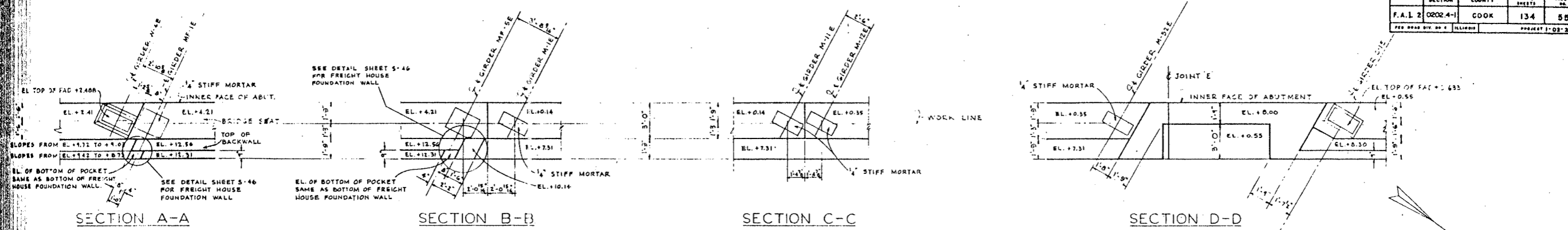
SECTION C-C
 SCALE: 3/8"=1'-0"



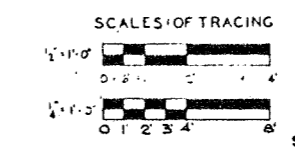
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.

ABUTMENT DETAILS
 SCALE: AS NOTED
 DATE: MARCH 19, 1957
 SHEET NO. S-37 OF 134 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 12	0202.4-1	COOK	134	55
PREPARED BY: H. S. HILGREN		PROJECT: 1-02-1957		



NOTES:
 • FOR SEC. G-G SEE SHEET 5-52
 • BEVEL EXPOSED EDGES OF CONCRETE 2"

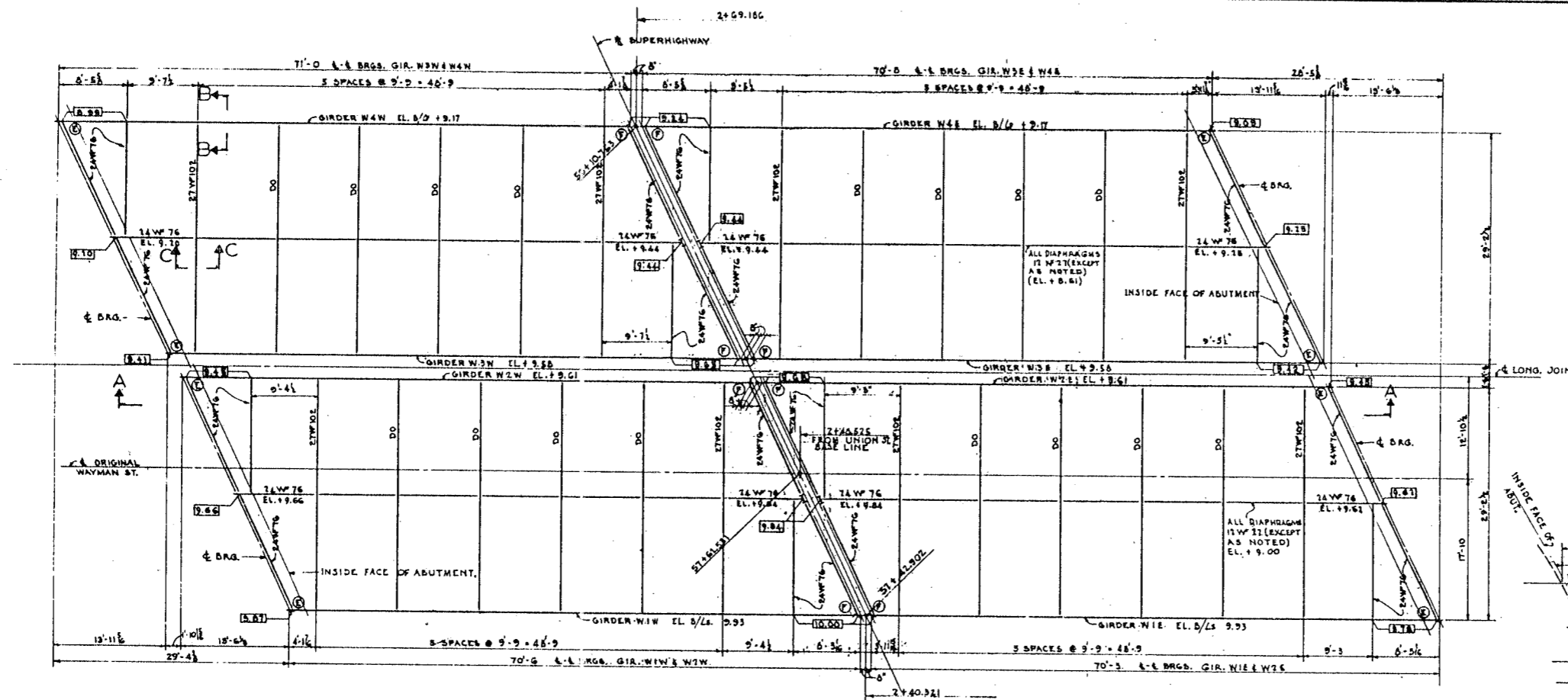


CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 EAST ABUTMENT DETAILS

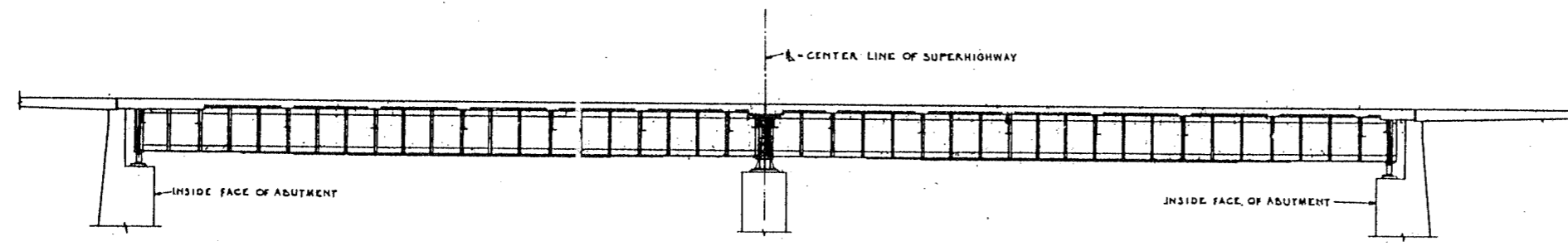
SCALE: AS NOTED
 DATE: MARCH 19, 1957
 SHEET NO. 5-38 OF 134 SHEETS

DELEUW, CATHAR & CO. ENGINEERS
 DESIGNED BY: B.A.L.
 DRAWN BY: E.M.H.
 CHECKED: R.G.M.
 IN CHARGE: [Signature]

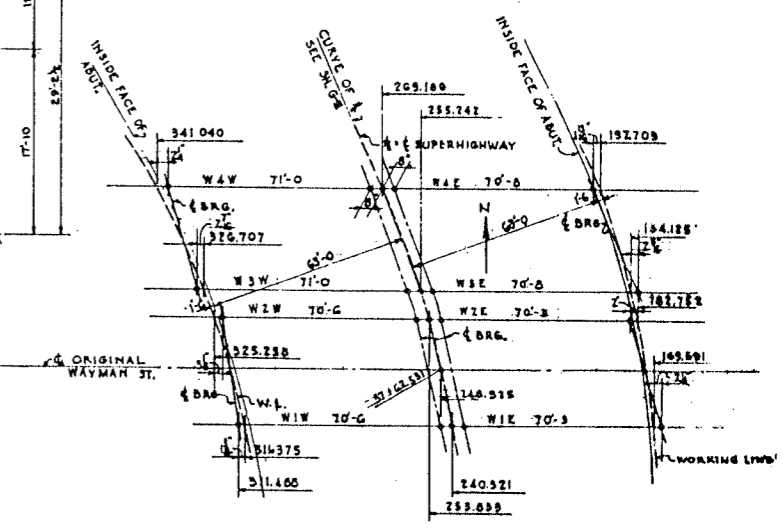
NO. IN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P.A.I.E.	0202.4-1	COOK	134	57
DES. BY		DRAWN BY		CHECKED BY
H.W.L.		H.W.L.		R.C.H. & B.A.L.
IN CHARGE		DATE: MARCH 10, 1907		



FRAMING PLAN
6-1-0



SECTION A-A
6-1-0



GIRDER LAYOUT

DIMENSIONS ON THIS DRAWING ARE MEASURED ON & ORIGINAL WAYMAN ST. FROM UNION BASE LINE.
NOTE THAT GIRDER LENGTHS GIVEN VARY A SMALL AMOUNT FROM CALCULATED DIMENSIONS BETWEEN CURVES SHOWN AS WORK LINES AND RL.

NOTE:
FOR SEC. B-B & C-C SEE SH. 5-41
ELEV. SHOWN ARE TO BACK OF FLANGE L'S ON GIRDERS & TO TOP OF BEAM ON FLOORBEAMS & DIAPHRAGMS.
⊙ DENOTES EXPANSION BEARING
⊙ = FIBED
FOR BEARING DETAILS SEE SH. 5-02 & 5-04
FOR GIRDER DETAILS SEE SH. 5-41
ELEV. SHOWN IN BOXES THUS [] ARE TO WORK POINTS DEFINED IN SEC. 5-5 SH. 5-41

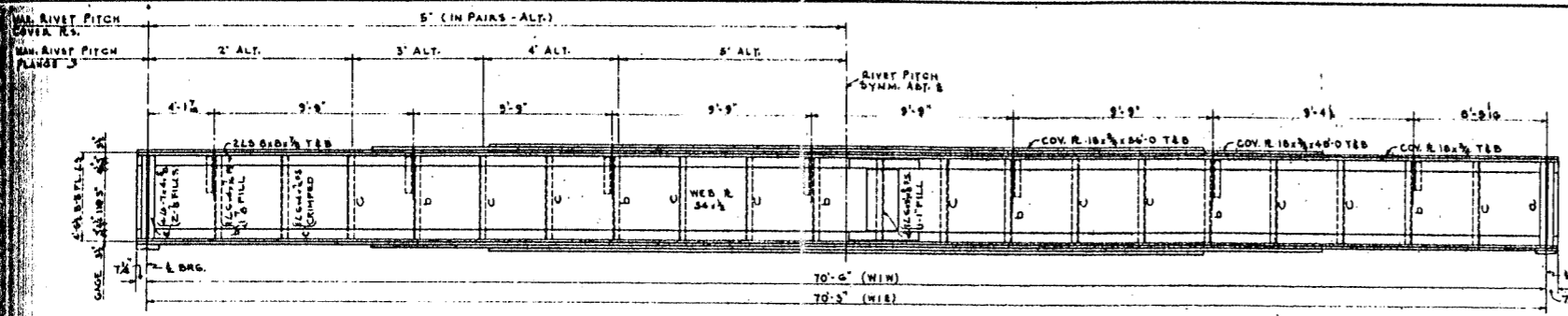
SCALE OF TRACING
0 2' 4' 6' 8' 10'

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
WAYMAN ST. BRIDGE
FRAMING PLAN

SCALE: AS NOTED
SHEET NO. 5-40 OF 134 SHEETS

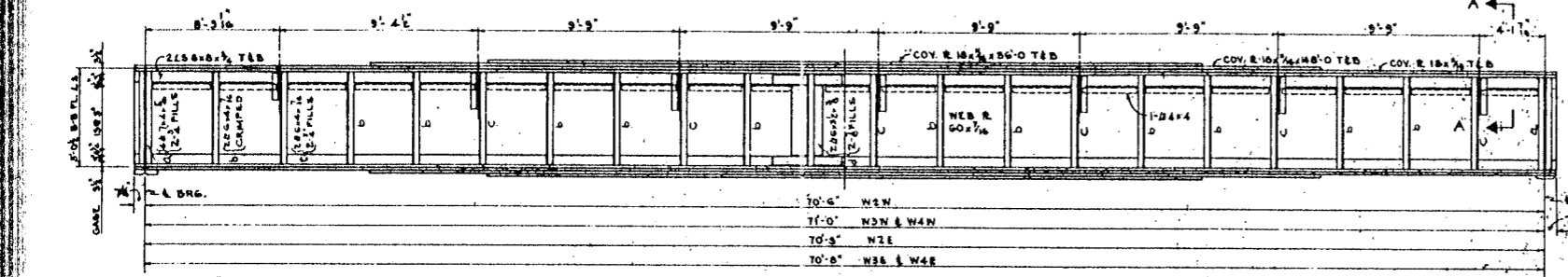
DELEW, CATHY & CO. ENGINEERS
DESIGNED BY H.W.L.
DRAWN BY H.W.L.
CHECKED R.C.H. & B.A.L.
IN CHARGE

PROJECT NO.	SECTION	SUBMITTAL	TOTAL SHEETS	SHEET NO.
F.A.I. 2	0202.4-1	COOK	134	86
PER ROAD DIST. NO. 4	ILLINOIS			



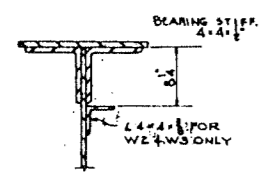
W1V AS SHOWN
W E SIMILAR
1/2" - 1'-0"

FOR FLOORBEAM SPACING GIRDER W1E
SEE FRAMING PLAN SH. 5-40
ALL COVER & CUTOFFS SYMM.
ABOUT & GIRDER.

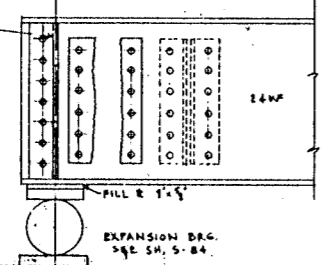


W2W AS SHOWN
W3W, W4W, W2E, W3E, W4E SIMILAR
1/2" - 1'-0"

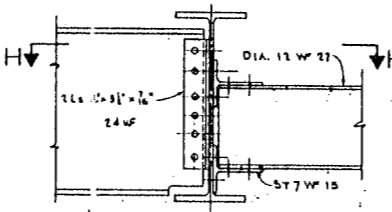
FOR FLOORBEAM SPACING
W3W, W4W, W2E, W3E, W4E
SEE FRAMING PLAN SH. 5-40
ALL COVER & CUTOFFS SYMM.
ABOUT & GIRDER.



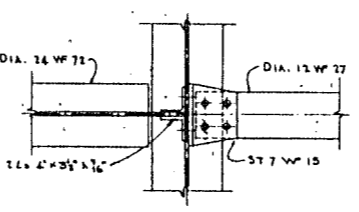
SECTION A-A
1'-1'-0"



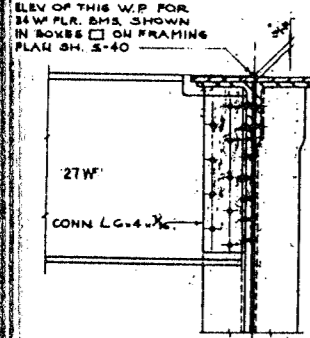
SECTION D-D
SCALE 1" = 1'-0"



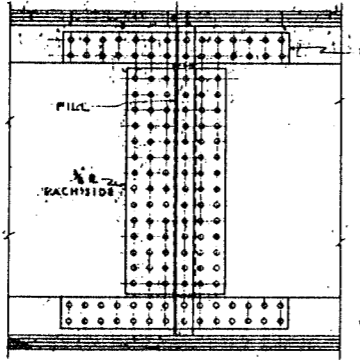
SECTION C-C
SCALE 1" = 1'-0"



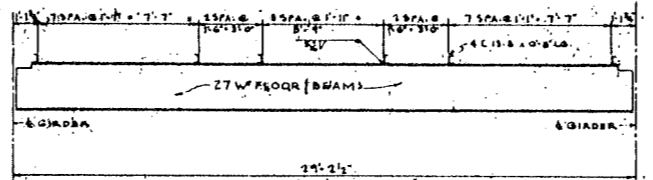
SECTION H-H
SCALE 1" = 1'-0"



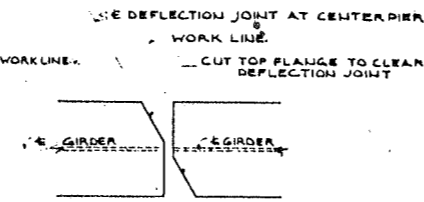
SECTION B-B
1'-1'-0"



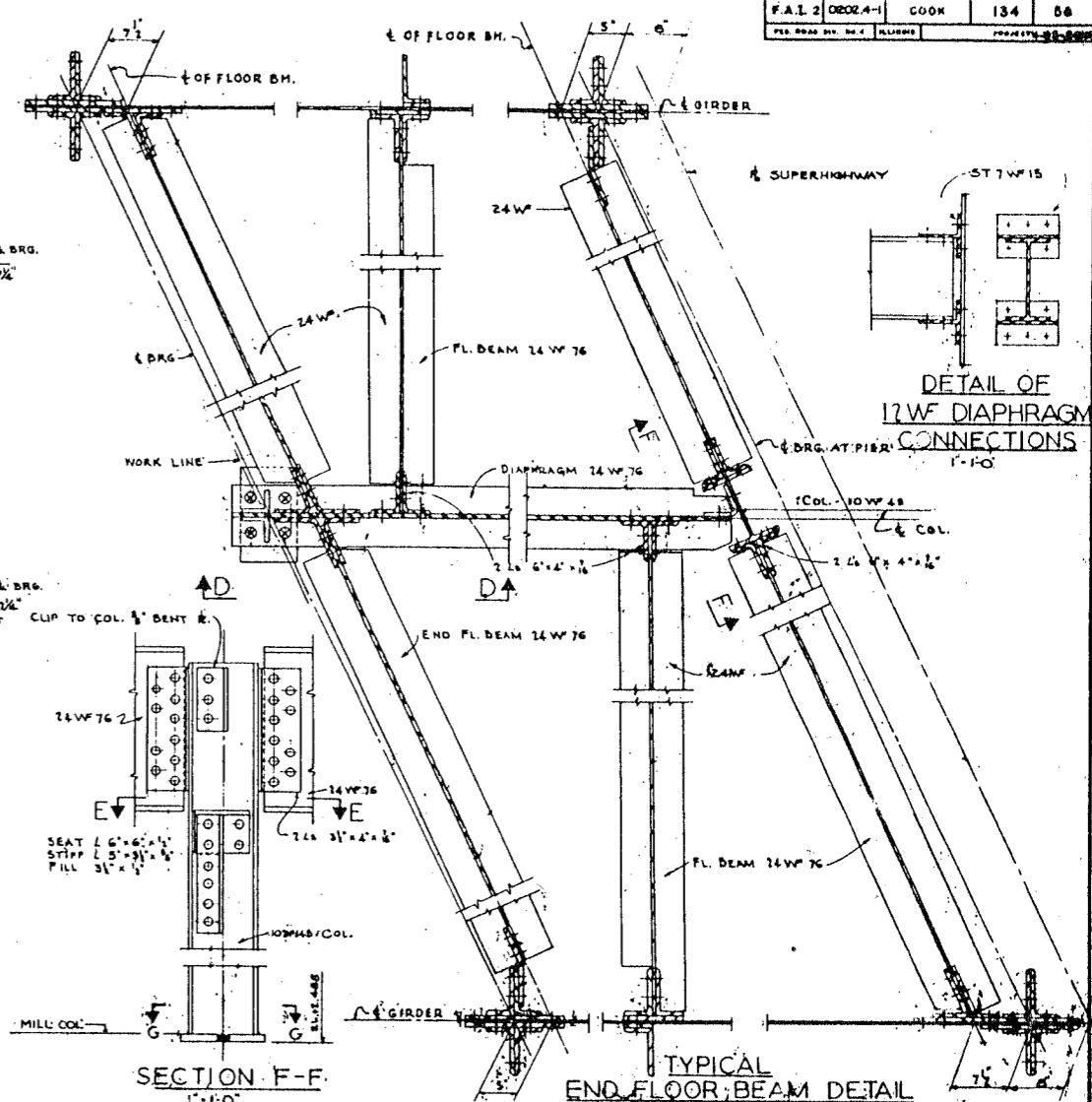
SPLICE DETAIL



FLOOR BEAM SHEAR CONNECTOR SPACING
(NO SHEAR CONNECTORS ON 24W FLOOR BEAMS)

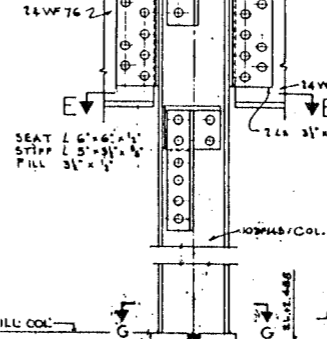


DETAIL OF TOP FLANGE OF GIRDER AT CENTER PIER
1/2" - 1'-0"

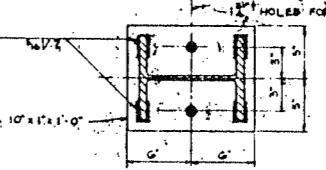


DETAIL OF 12W DIAPHRAGM CONNECTIONS
1'-1'-0"

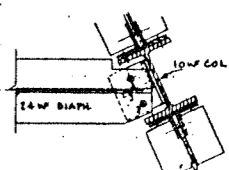
TYPICAL END FLOOR BEAM DETAIL
1'-1'-0"



SECTION F-F
1'-1'-0"



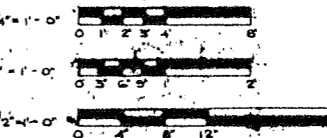
SECTION G-G
1/2" - 1'-0"



SECTION E-E
SCALE 1" = 1'-0"

NOTE: FOR BEARING DETAILS SEE SH. 5-82 & 5-84 FOR EXTENT OF FILLS UNDER END DRG. STIFFENERS SEE END FLOOR BEAM DETAILS THIS SHEET. FOR LOCATION OF SEC. B-B, C-C SEE FRAMING PLAN SH. 5-40. OPEN HOLES 1/4\"/>

SCALES OF TRACING



SCALE: AS NOTED

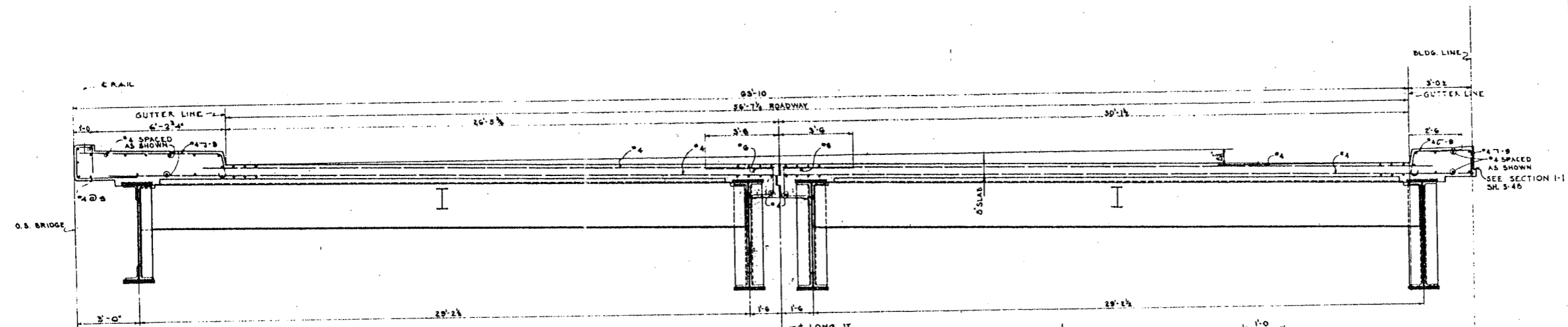
DELEW, CATHY & CO. ENGINEERS
DESIGNED BY H.W.L.
DRAWN BY H.W.L.
CHECKED R.W.S.B.A.L.
IN CHARGE

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
WAYMAN ST. BRIDGE
STRUCTURAL STEEL

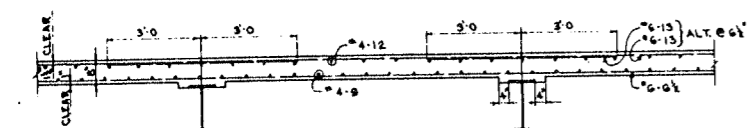
KE

DATE: MARCH 19, 1967
SHEET NO. 5-41 OF 134 SHEETS

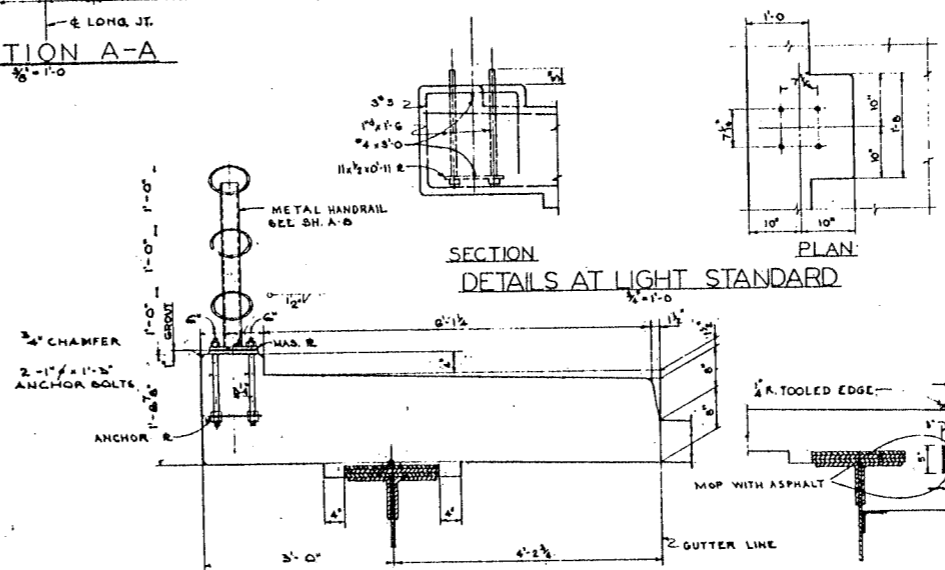
DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	59
DES. BY: H.W.L.	ALIGNED		PROJECT 1-02-2 (134)	



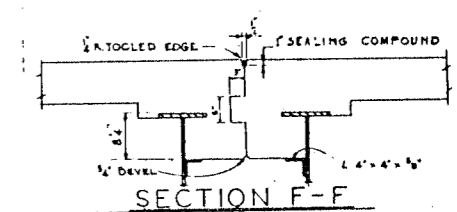
SECTION A-A
1/2" = 1'-0"



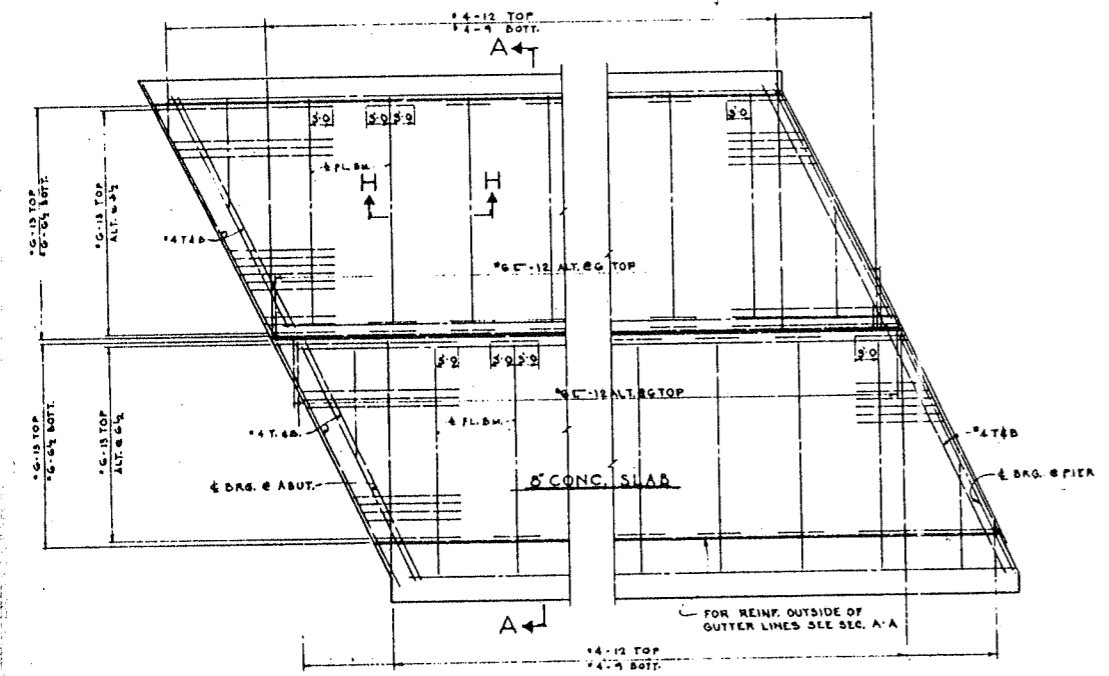
SECTION H-H
1/2" = 1'-0"



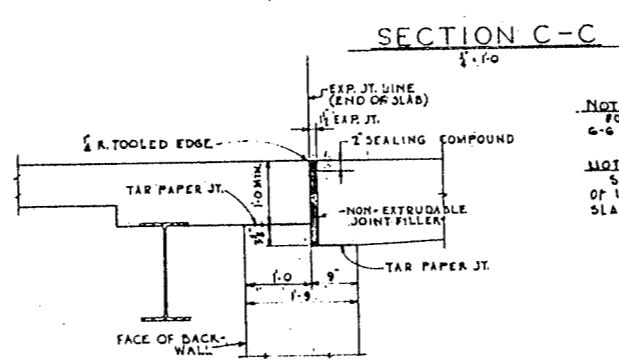
SECTION DETAILS AT LIGHT STANDARD
1/2" = 1'-0"



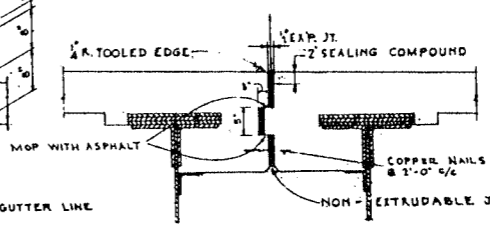
SECTION F-F
1/2" = 1'-0"



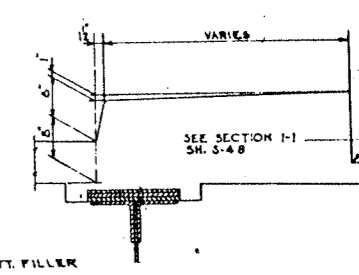
PLAN - DECK REINFORCING



SECTION B-B
1/2" = 1'-0"



SECTION D-D
1/2" = 1'-0"

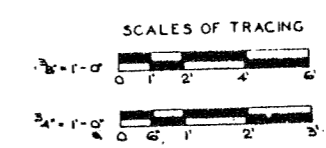


SECTION E-E
1/2" = 1'-0"

NOTE:
FOR LOCATION OF SEC. B-B THRU G-G SEE GENERAL PLAN SH. G-7

NOTE:
SEE DRAWINGS P. 4 & 5 FOR LOCATION OF INSETS TO BE SET IN THE CONCRETE SLAB FOR DUCT HANGEE RODS

DE LEW, CATHY & CO. ENGINEERS
DESIGNED BY H.W.L.
DRAWN BY H.W.L.
CHECKED R.M.A.B.A.L.
IN CHARGE *[Signature]*



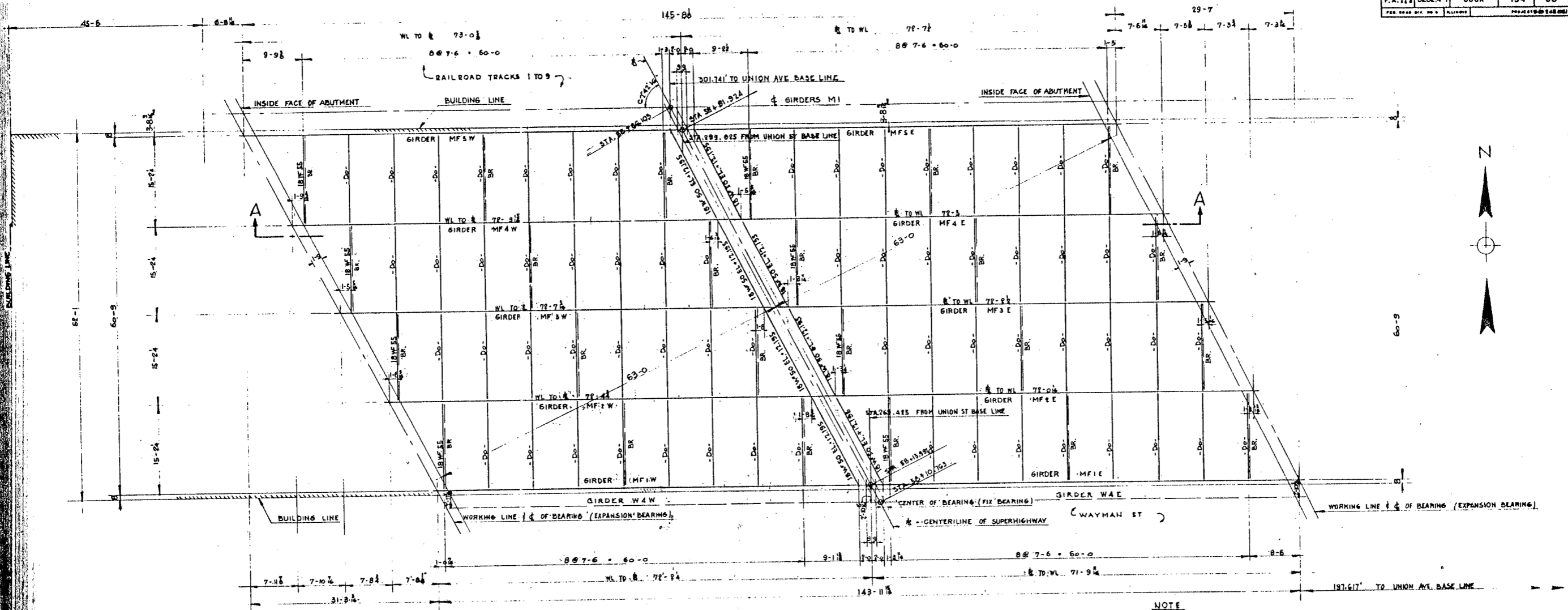
SCALE: AS NOTED

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
WAYMAN ST. BRIDGE
CONCRETE DECK

DATE: MARCH 18, 1907
SHEET NO. 5-42 OF 134 SHEETS



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 123	0202.4-1	COOK	134	60
FED. ROAD DIST. NO. 4		ALIGNED	PROJECT NO. 0202.4-1	



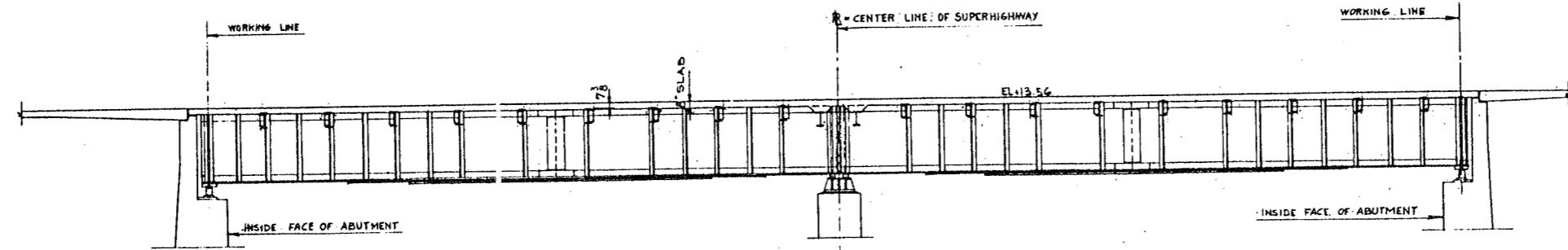
FRAMING PLAN
 1/8" = 1'-0"

(TOP OF STEEL ELEV. 12.945 - EXCEPT AS NOTED)
 (TOP OF STEEL OF GIRDERS = BACK OF TOP ANGLES)

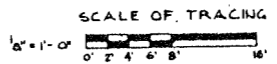
NOTE
 FOR DETAILS OF GIRDERS AND BRACING SEE DWG. S-45

LIVE LOAD 600 LBS/SQ. FT.

NOTES
 WORKING LINES ARE CURVES CONCENTRIC WITH CENTERLINE OF SUPERHIGHWAY.
 FIELD & SHOP CONNECTIONS ARE RIVETED RIVETS 3/4" + HOLES 1/8" + EXCEPT AS NOTED SHOP AND FIELD CONNECTIONS RIVETED UNLESS OTHERWISE SHOWN.
 STATIONS FROM UNION AVE. BASE LINE ARE MEASURED ON GIRDERS M1



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



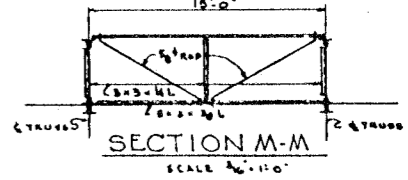
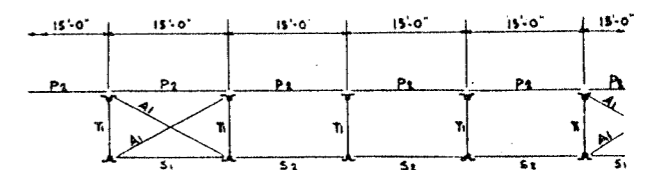
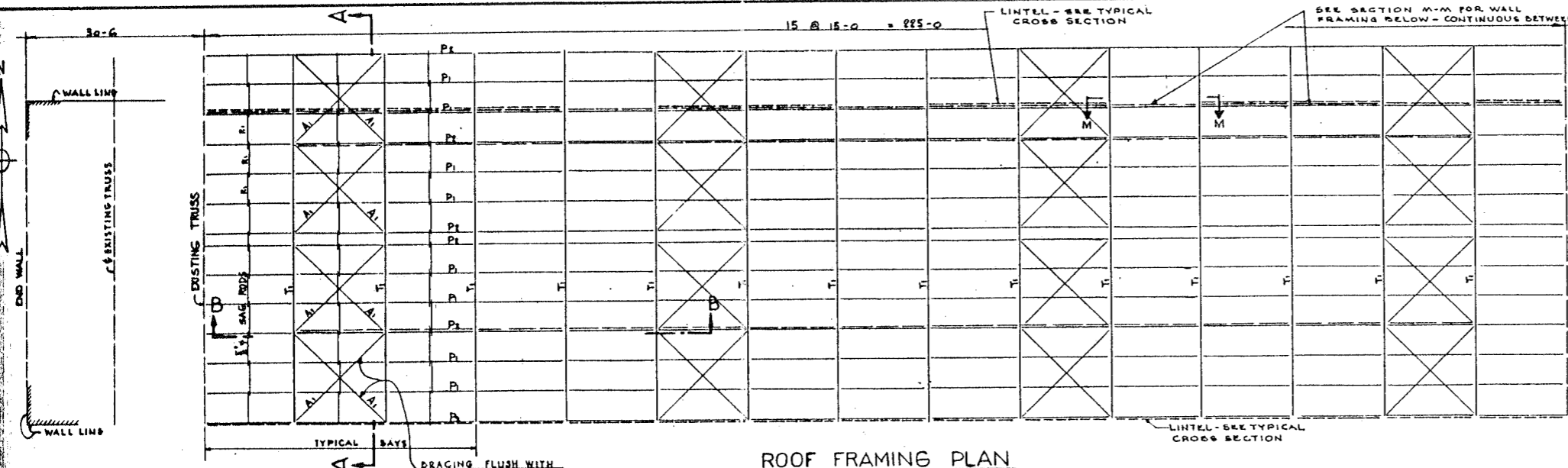
LEWIS, CATHER & CO. ENGINEERS
 DRAWN BY R.A.M.
 CHECKED R.A.L.
 IN CHARGE *[Signature]*

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 C.M.S.T.P. & P.R.R. FREIGHT HOUSE NO. 1
 STEEL FLOOR FRAMING

SCALE: AS NOTED DATE: MARCH 19, 1957
 SHEET NO. S-43 OF 134 SHEETS

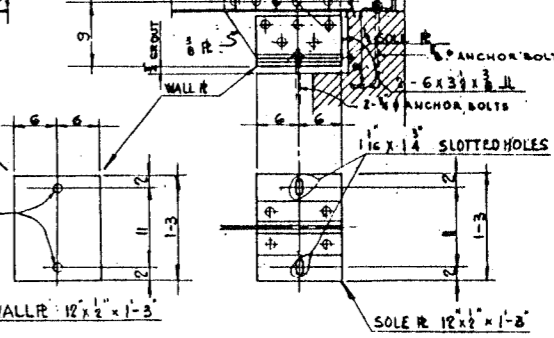
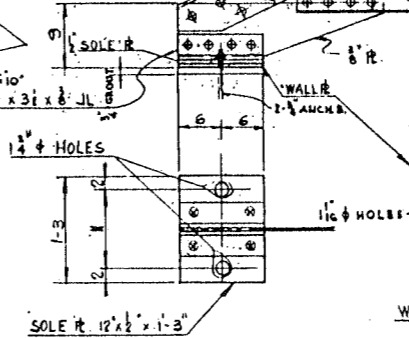
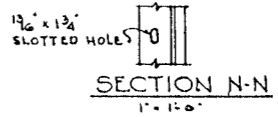
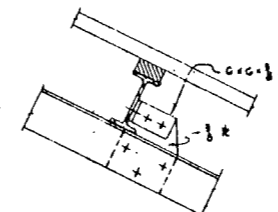
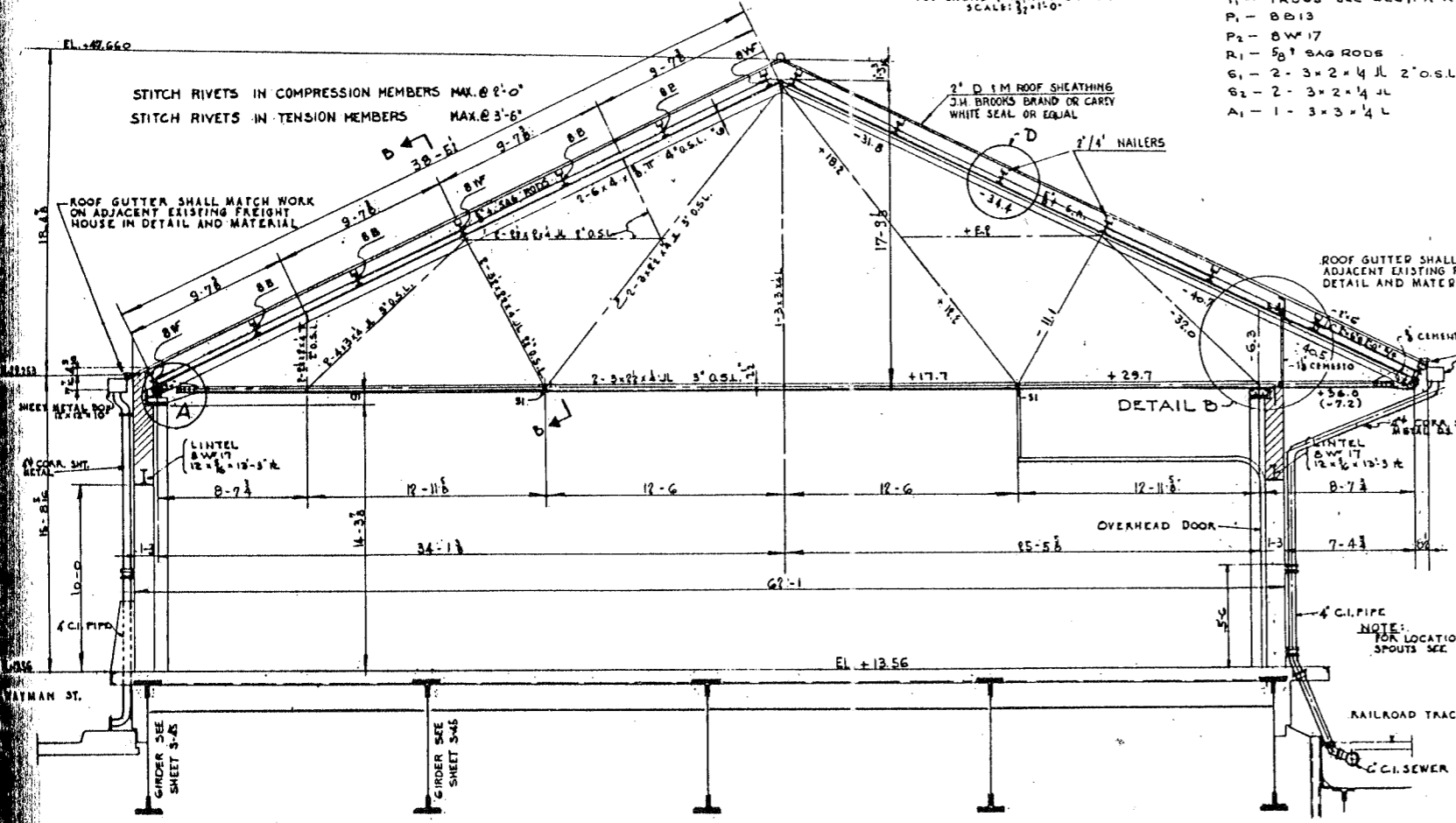
KE

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.B.	0202.4-1	COOK	134	61
PER. MADE BY: DR. G. ALLEN				



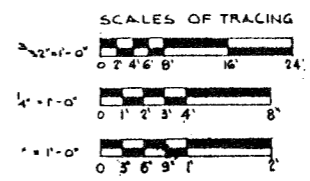
ROOF FRAMING PLAN

- T₁ - TRUSS SEE SECT. A-A
- P₁ - BB13
- P₂ - BW17
- R₁ - 5/8" SAG RODS
- G₁ - 2 - 3x2x4 JL 2' O.S.L.
- G₂ - 2 - 3x2x4 JL
- A₁ - 1 - 3x3x4 L



NOTES:
 RIVETED WORK 3/4" RIVETS.
 FIELD CONNECTIONS RIVETED.
 PURLINS AND LATERALS MAY BE BOLTED.

TYPICAL CROSS SECTION (A-A)

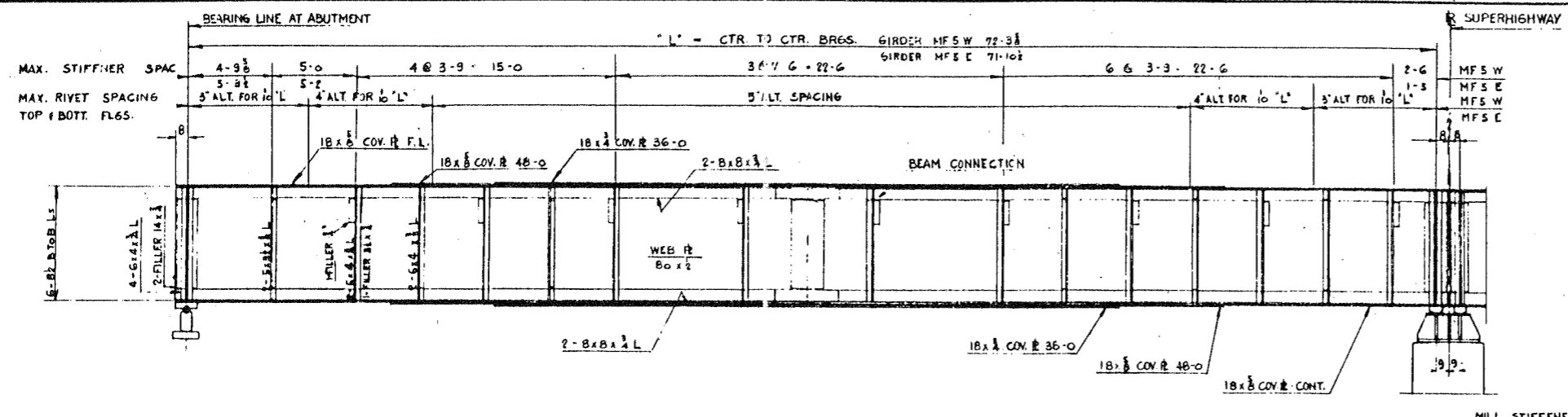


CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 C.M.S.P. & P.R.R. FREIGHT HOUSE NO. 1
 ROOF FRAMING

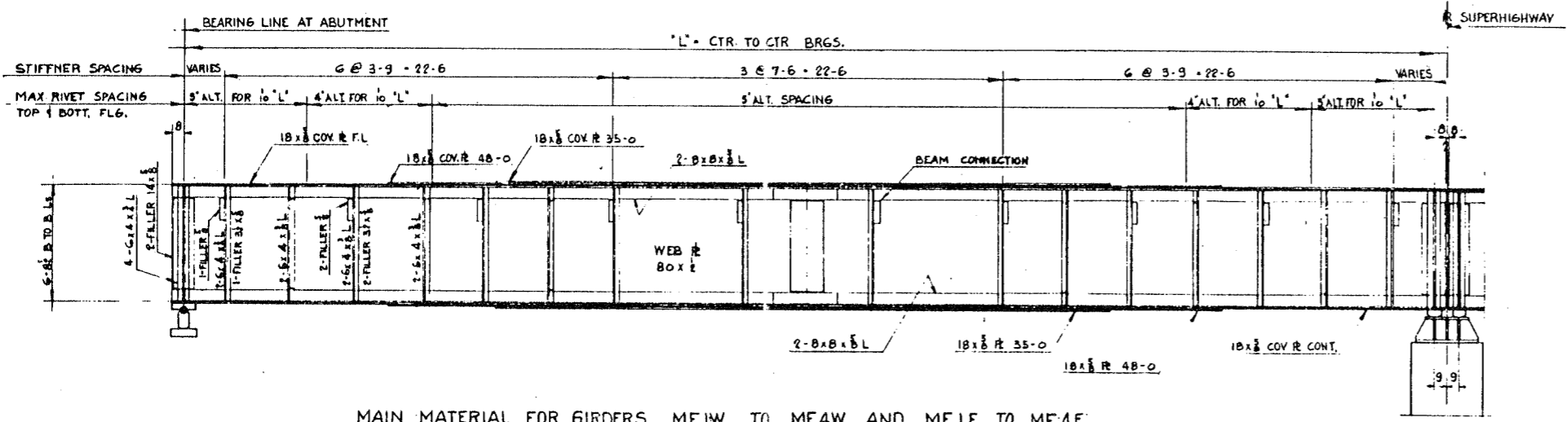
SCALE: AS NOTED
 DATE: MARCH 19, 1937
 SHEET NO. S-44 OF 134 SHEETS

DE LOUV, GATNER & CO. ENGINEERS
 DESIGNED BY: E.A.L.
 DRAWN BY: E.S.M.
 CHECKED: E.S.M.
 IN CHARGE: [Signature]

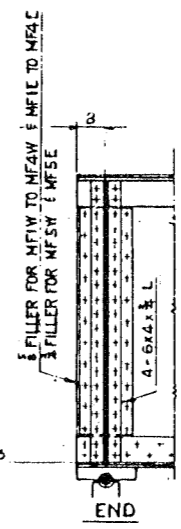
PROJECT OR SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1. B. 0202.4-1	COOK	134	62
PREPARED BY: J. J. ALLWOOD		DATE: J. 02 1957	



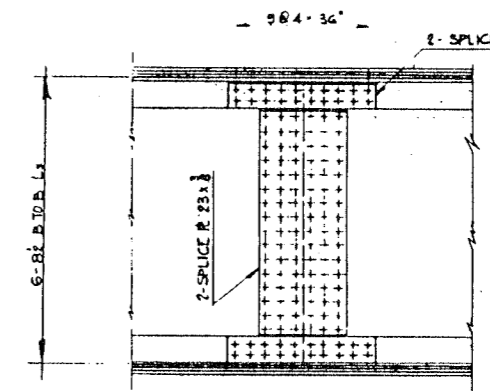
MAIN MATERIAL FOR GIRDERS MF5W AND MF5E
 (SEE FRAMING PLAN -- SH. 5-43 FOR LOCATION OF GIRDERS)



MAIN MATERIAL FOR GIRDERS MF1W TO MF4W AND MF1E TO MF4E
 (SEE FRAMING PLAN -- SH. 5-43 FOR LOCATION OF GIRDERS)

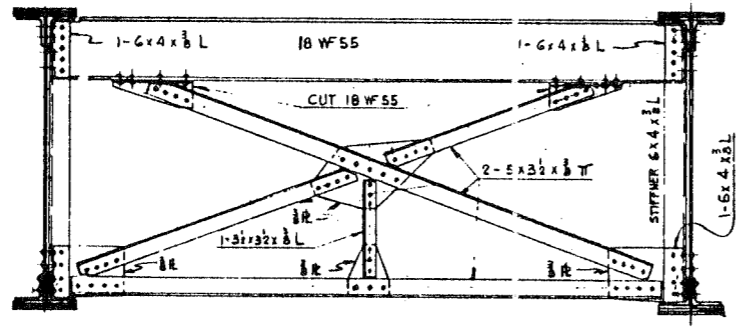


STIFF. AT EACH BEAM CONN. STIFF. WITHOUT BM. CONN.
 (EXCEPT SKEWED CONNECTION)
 TYPICAL GIRDER DETAILS
 1/2" = 1'-0"

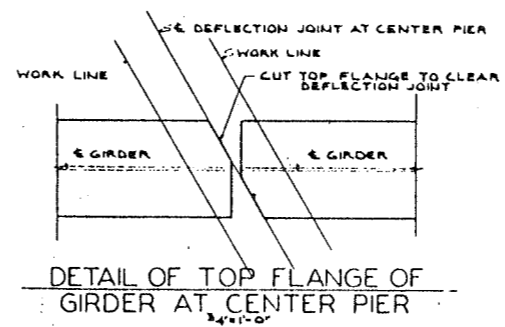


TYPICAL WEB SPLICE
 1/2" = 1'-0"

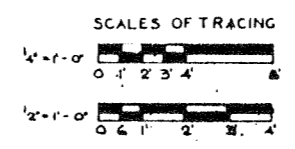
NOTE:
 PROVIDE HOLES IN EXTERIOR STIFFENERS OF GIRDERS MF1E, MF1W, MF5E & MF5W FOR REINFORCING BARS SEE SECTION 1-1 & 2-2, SH. 5-48 BEARINGS SEE SH. 5-63



TYPICAL BRACING
 1/2" = 1'-0"



DETAIL OF TOP FLANGE OF GIRDER AT CENTER PIER
 3/4" = 1'-0"



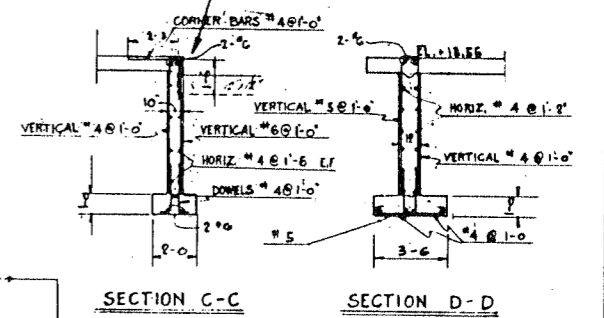
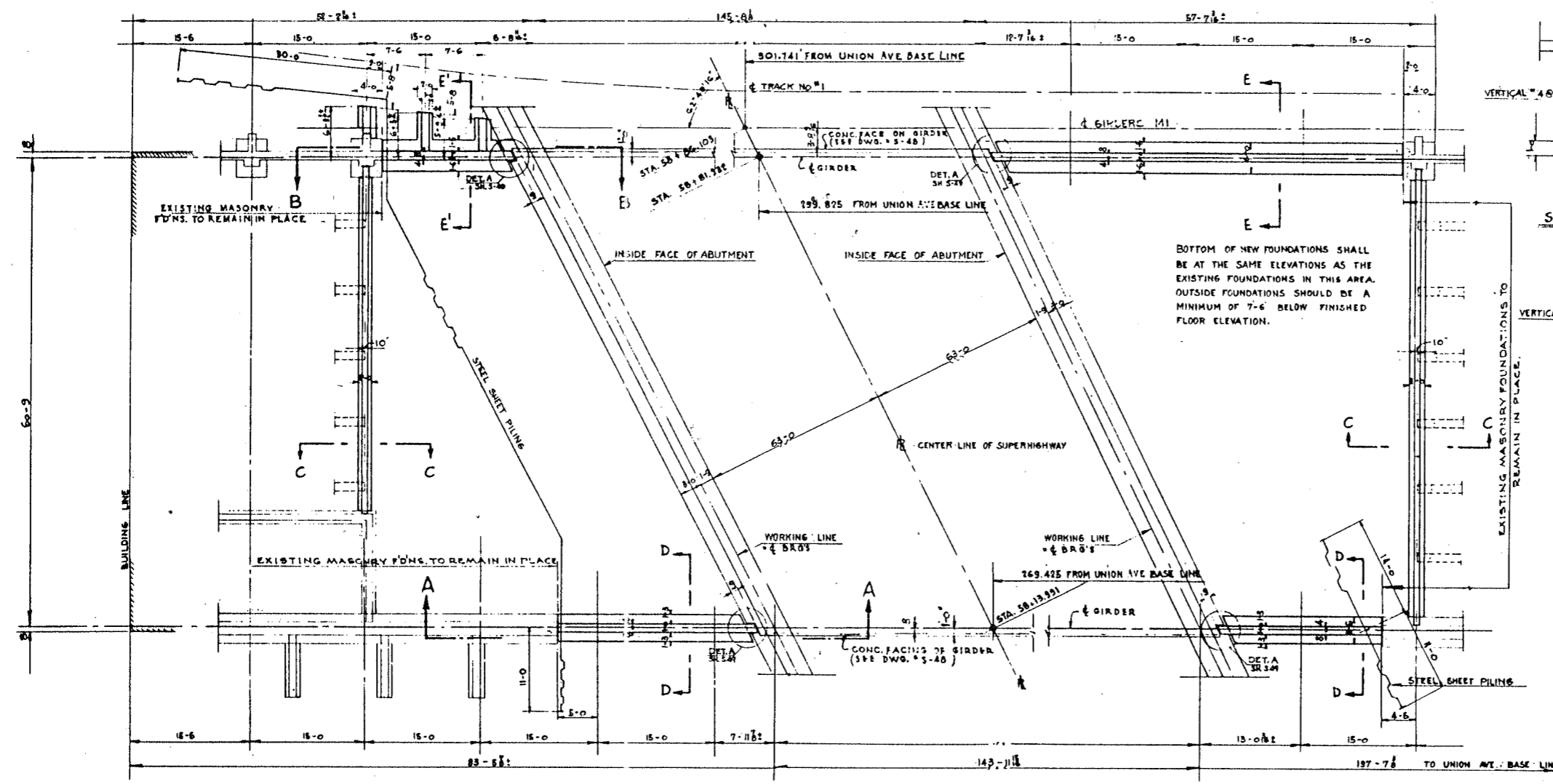
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 C.M.S.T.P. & P.R.R. FREIGHT HOUSE NO. 1
 STRUCTURAL STEEL

SCALE: AS NOTED DATE: MARCH 19, 1957
 SHEET NO. 5-45 OF 134 SHEETS

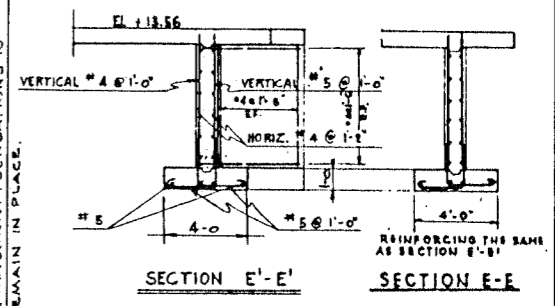
HELVEN, CATHER & CO. ENGINEERS
 DRAWN BY: R.S.M.
 CHECKED: R.A.L.
 IN CHARGE: [Signature]

SHEET NO.	SECTION	QUANTITY	TOTAL SHEETS	SHEET NO.
P.A. 1.1	0202.4-1	COOK	134	83

PROVIDE SEATS FOR EXISTING WOOD FLOOR GIRDERS

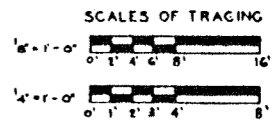
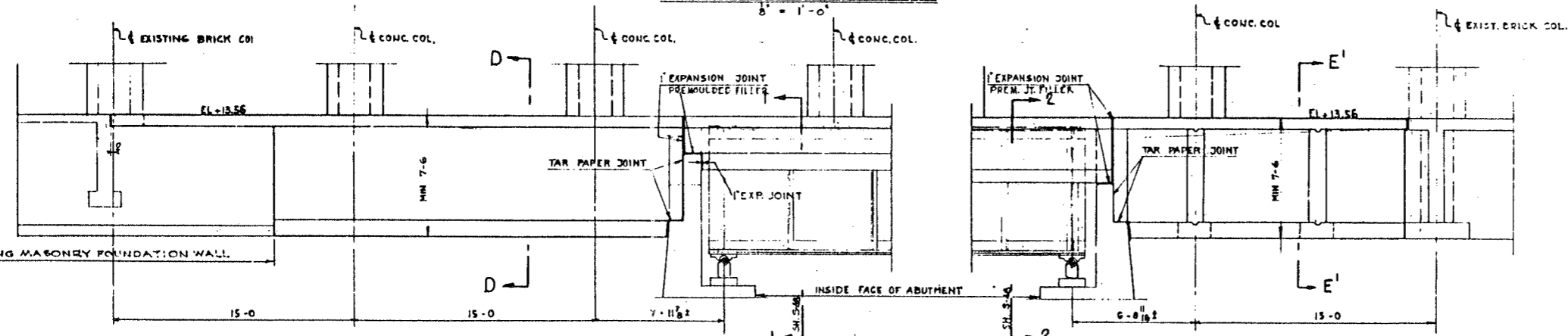


BOTTOM OF NEW FOUNDATIONS SHALL BE AT THE SAME ELEVATIONS AS THE EXISTING FOUNDATIONS IN THIS AREA. OUTSIDE FOUNDATIONS SHOULD BE A MINIMUM OF 7'-6" BELOW FINISHED FLOOR ELEVATION.



- NOTES**
- CONCRETE PROTECTION FOOTINGS - COVERAGE 3"
 - WALLS - COVERAGE 2"
- REFERENCE DWGS.**
- B - 5974 C.M. ST.P. & P.R.R.
 - B - 6196 C.M. ST.P. & P.R.R.
 - A - 3697 C.M. ST.P. & P.R.R.
 - A - 3315 C.M. ST.P. & P.R.R.

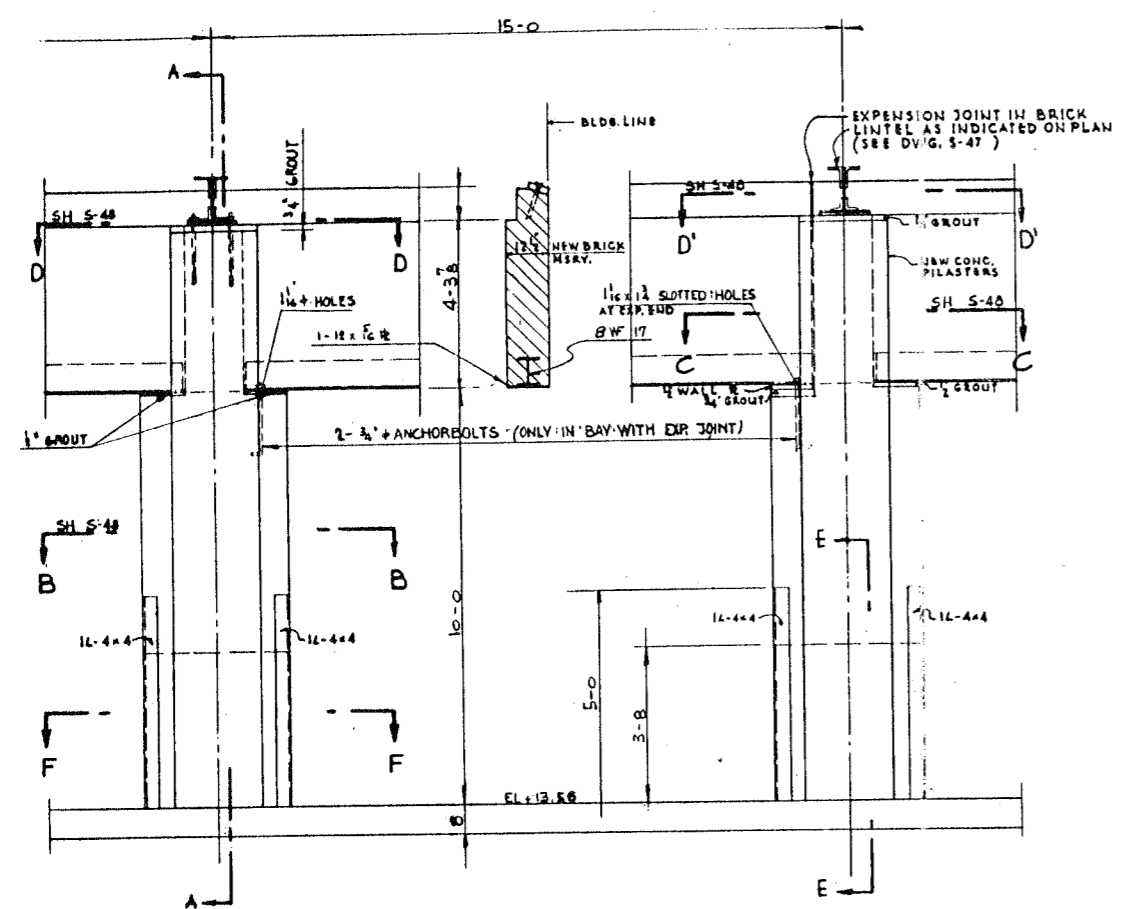
FOUNDATION PLAN



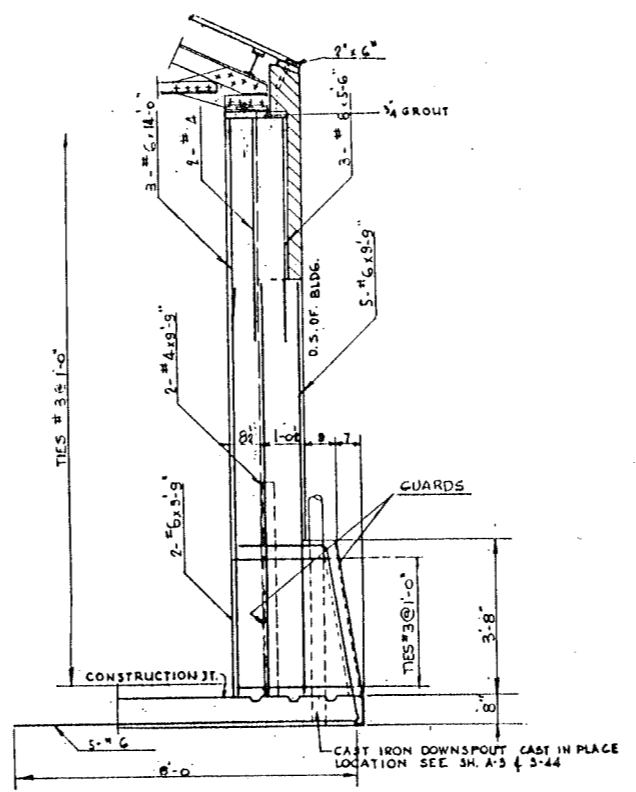
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
C.M. ST.P. & P.R.R. FREIGHT HOUSE NO. 1
FOUNDATION PLAN

LEWIS, CATHY & CO. ENGINEERS
CHECKED BY R.S.M.
DRAWN BY R.S.M.
CHECKED R.A.L.
IN CHARGE [Signature]

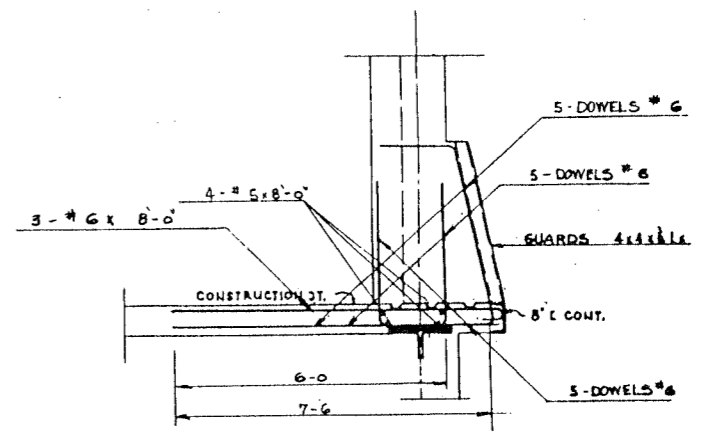
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	66
FED. ROAD DIST. NO. 4		ILLINOIS	PROJECT 66-21001	



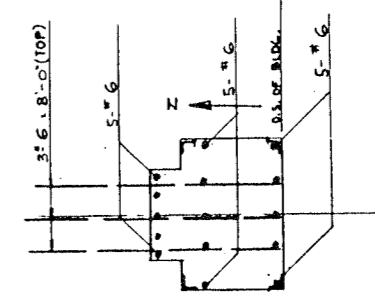
TYPICAL ELEVATION OF WALL ON SOUTH SIDE
LOOKING SOUTH
SCALE: 1/2" = 1'-0"



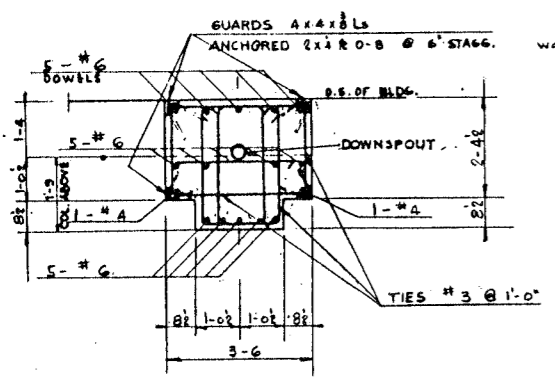
SECTION A-A (SHOWING PILASTER REINF)
1/2" = 1'-0"



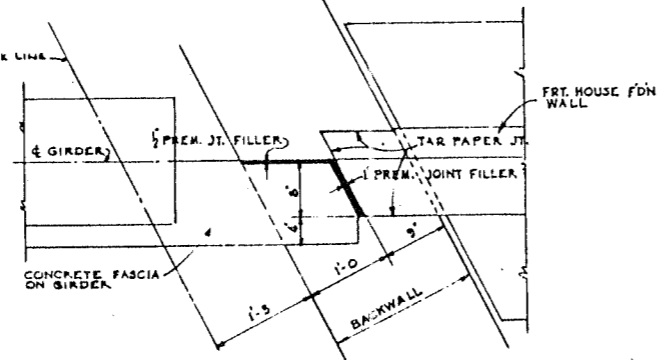
SECTION E-E (SH S-47)
1/2" = 1'-0"



DETAIL #2 (SH S-47)
1/2" = 1'-0"

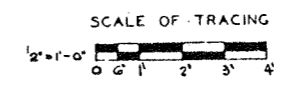


SECTION F-F
1/2" = 1'-0"



DETAIL A
(SECTION BELOW SLAB)
1/2" = 1'-0"

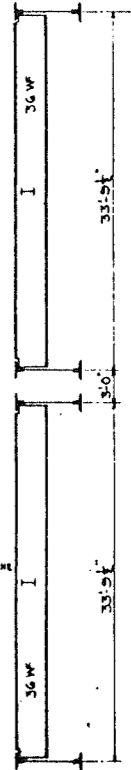
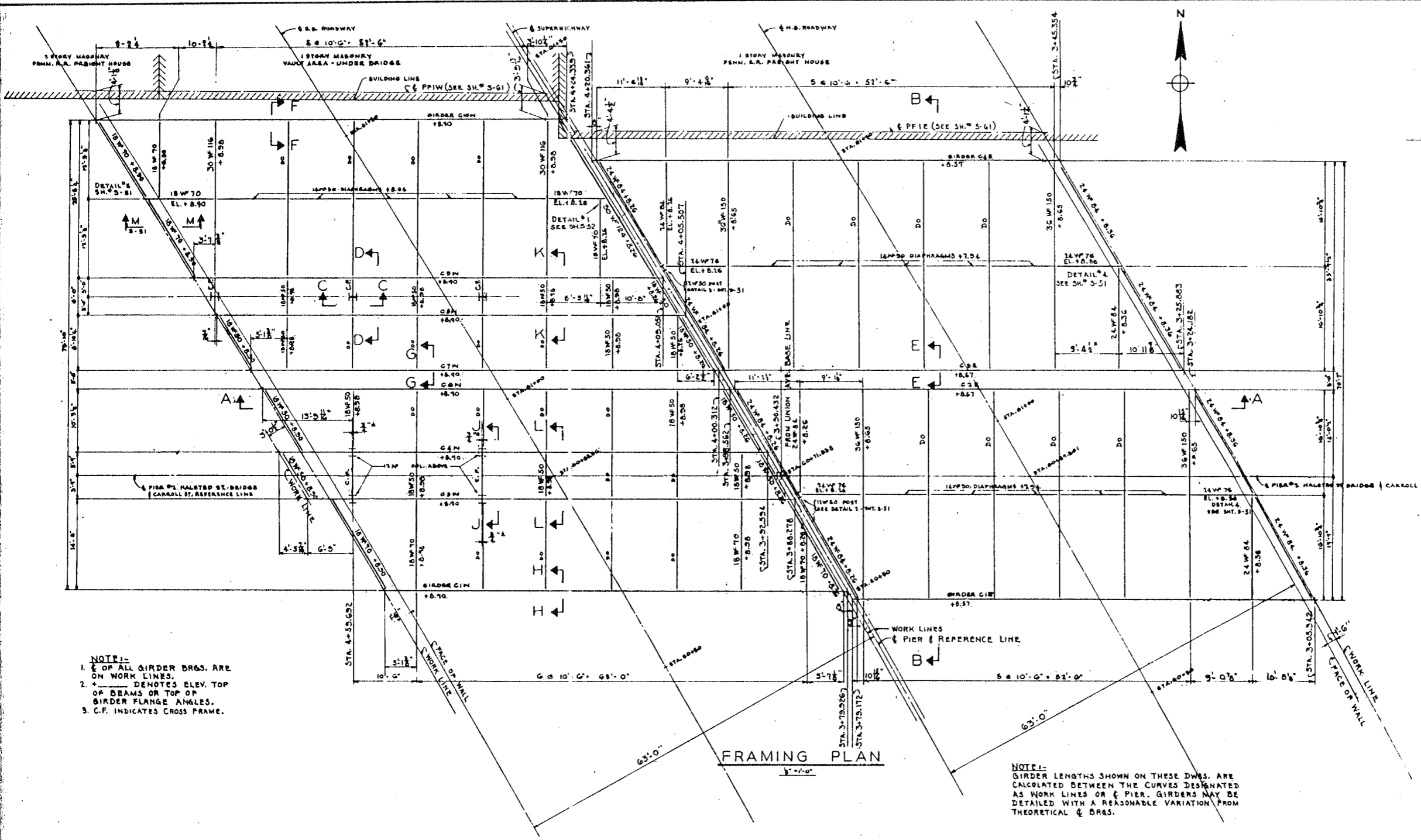
DELEW, CATHY & CO. ENGINEERS
DESIGNED BY R.S.M.
DRAWN BY R.S.M.
CHECKED R.A.L.
IN CHARGE [Signature]



CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
C.M. STP & P.R.R. FREIGHT HOUSE NO. 1
CONCRETE SECTIONS

SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. S-49 OF 134 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.T. 2	0202.4-1	COOK	134	67
PER ROAD DIST. NO. 4			PROJECT 1-02-2 (133)	

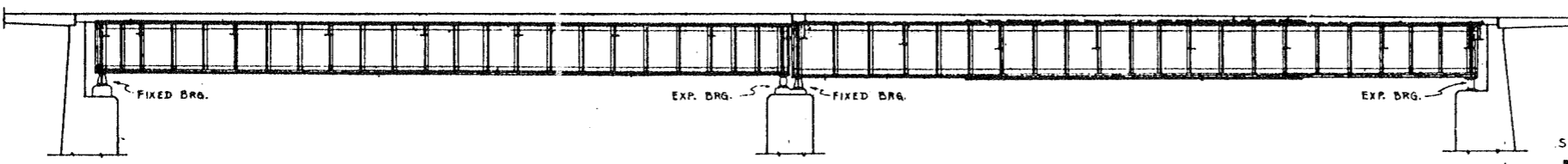


SECTION B-B
SCALE: 1/8" = 1'-0"

NOTE:-
1. ALL GIRDER BRGS. ARE ON WORK LINES.
2. + DENOTES ELEV. TOP OF BEAMS OR TOP OF GIRDER FLANGE ANGLES.
3. C.F. INDICATES CROSS FRAME.

NOTE:-
FOR SECTIONS C-C, D-D, J-J, K-K, & L-L SEE SH. 5-52.
FOR SECTIONS E-E, F-F, G-G, H-H & M-M SEE SH. 5-51.
STATIONS FROM UNION AVE. BASE LINE ARE MEASURED ON CARROLL STREET REFERENCE LINE.

NOTE:-
GIRDER LENGTHS SHOWN ON THESE DWGS. ARE CALCULATED BETWEEN THE CURVES DESIGNATED AS WORK LINES OR PIER & REFERENCE LINE. GIRDERS MAY BE DETAILLED WITH A REASONABLE VARIATION FROM THEORETICAL & BRGS.



SECTION A-A
SCALE: 1/2" = 1'-0"

SCALE OF TRACING
0 2' 4' 8' 12'

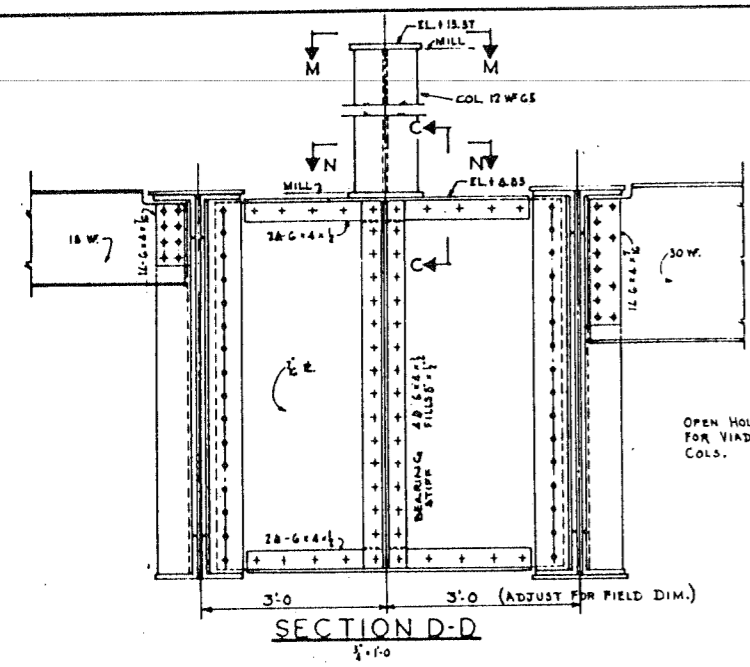
SCALE: AS NOTED

DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY D.S.
DRAWN BY D.S.
CHECKED R.H. B.A.L.
IN CHARGE

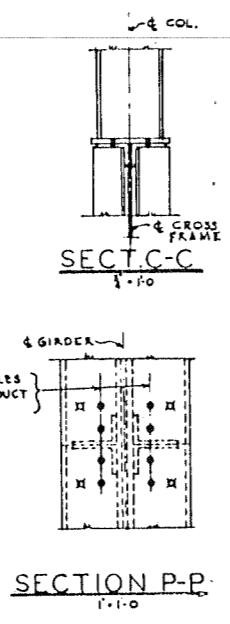
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
DRIVEWAY AT CARROLL ST.
FRAMING PLAN

DATE: MARCH 10, 1951
SHEET NO. S-50 OF 134 SHEETS

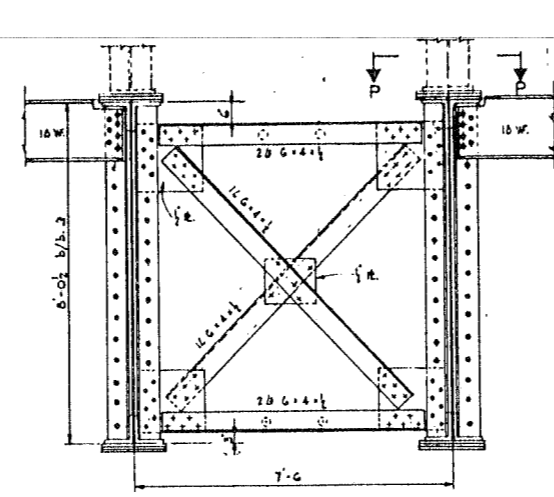
SECTION	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P.A. 1-2	0202.4-1	COOK	1-4	69
PER. ROAD DIV. 80-2		ILLINOIS	PD-2021-02-2(195)	



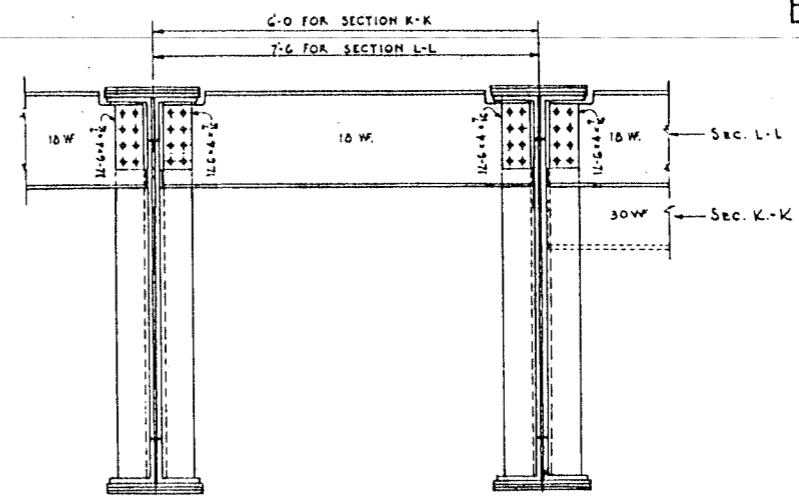
SECTION D-D
1/2" = 1'-0"



SECTION C-C
1/2" = 1'-0"

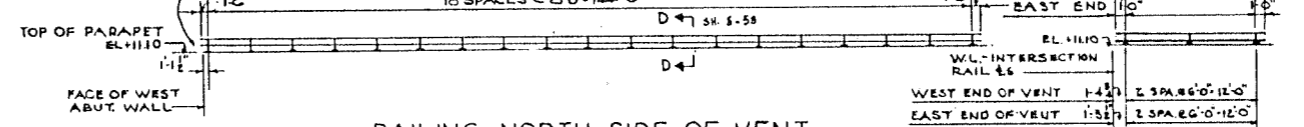


SECTION J-J
1/2" = 1'-0"



SECTION L-L
SECTION K-K SIMILAR
1/2" = 1'-0"

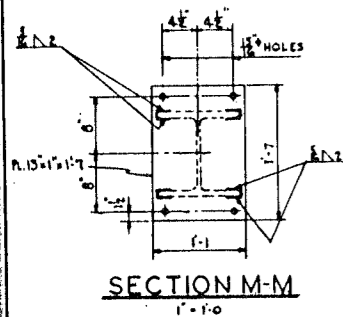
NOTE:
FOR SIDE OF GIRDER STIFF.
SEE SH. NR. 5-51.
FOR END OF RAIL
SEE DETAIL 'A'
SH. 5-54.



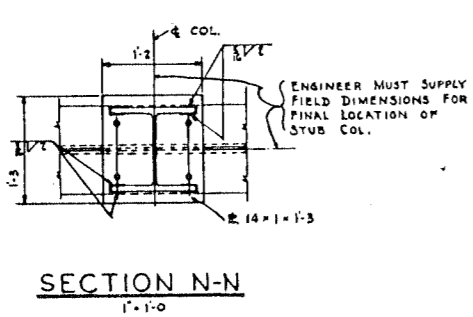
RAILING - NORTH SIDE OF VENT
LOOKING NORTH
1/4" = 1'-0"

RAILING - WEST END OF VENT
LOOKING WEST

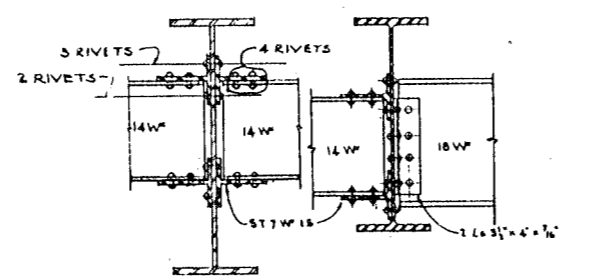
RAILING - EAST END OF VENT
LOOKING EAST



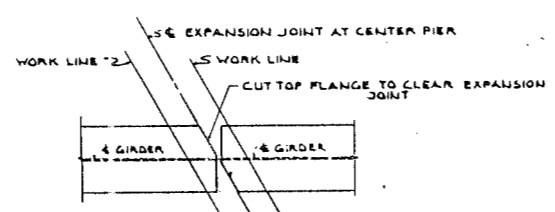
SECTION M-M
1/2" = 1'-0"



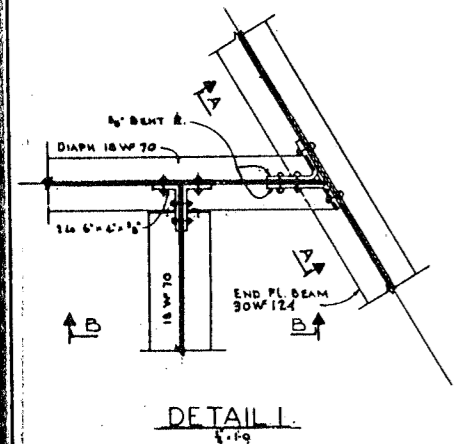
SECTION N-N
1/2" = 1'-0"



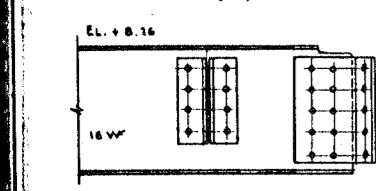
DIAPHRAGM AT FLOOR BEAM TYPICAL
SCALE 1" = 1'-0"



DETAIL OF TOP FLANGE OF GIRDER AT CENTER PIER
1/2" = 1'-0"

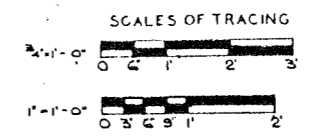


DETAIL I
1/2" = 1'-0"



SECTION B-B

DE LEUW, CATHY & CO. ENGINEERS
DESIGNED BY R.E.H.
DRAWN BY W.C.K.
CHECKED B.A.L.
IN CHARGE

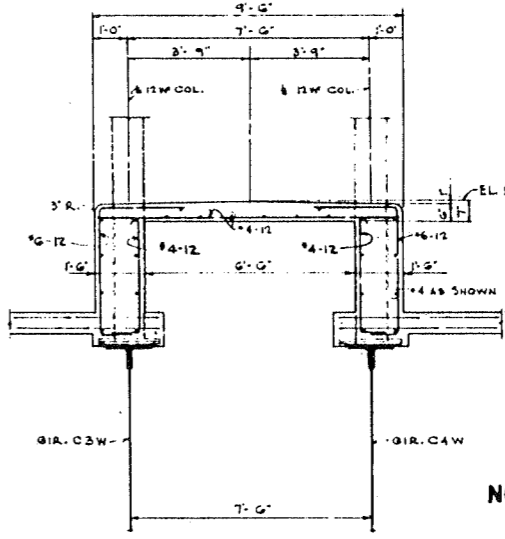
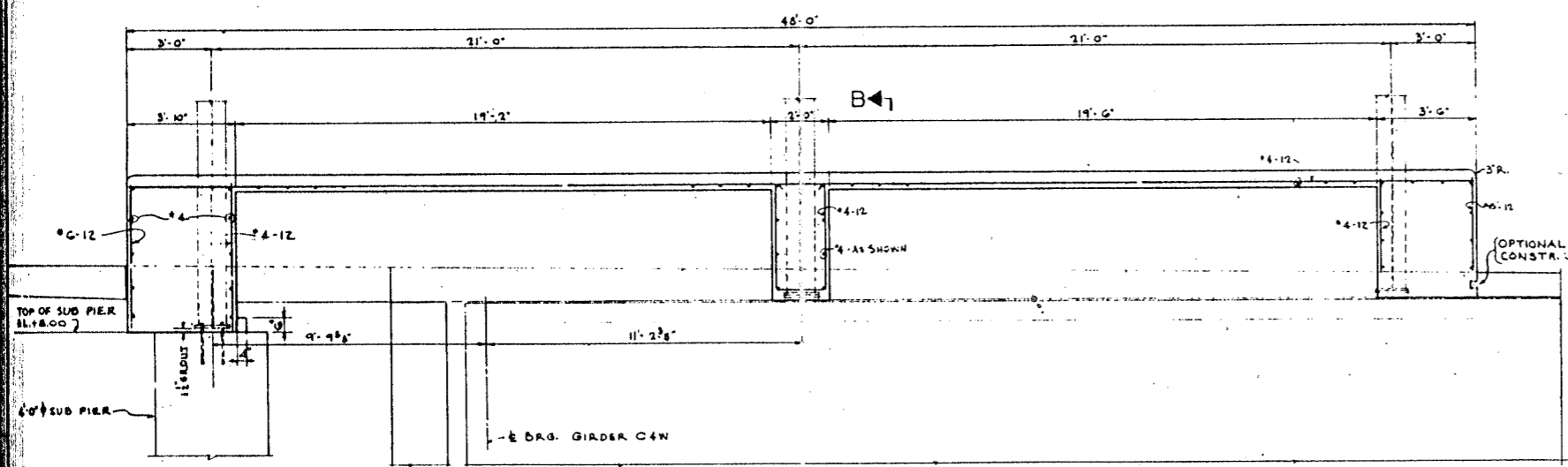
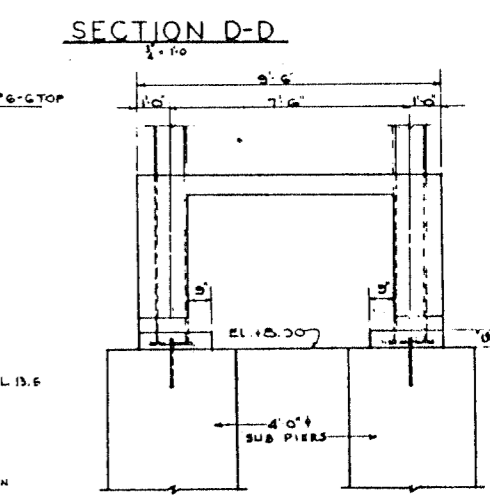
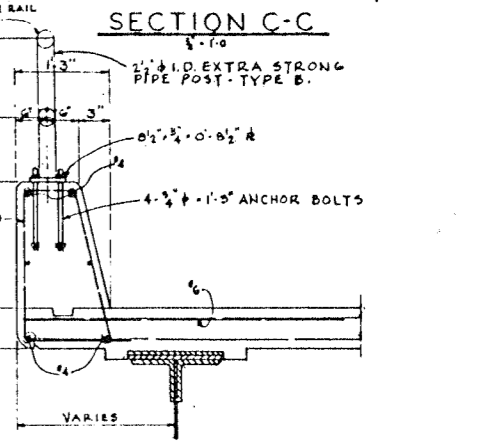
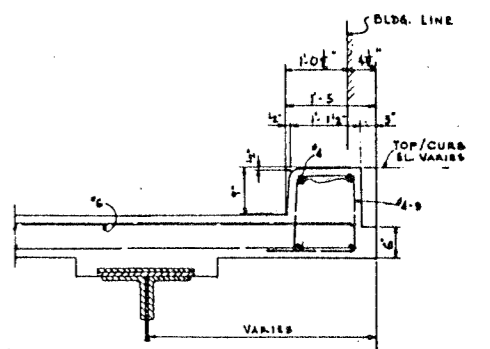
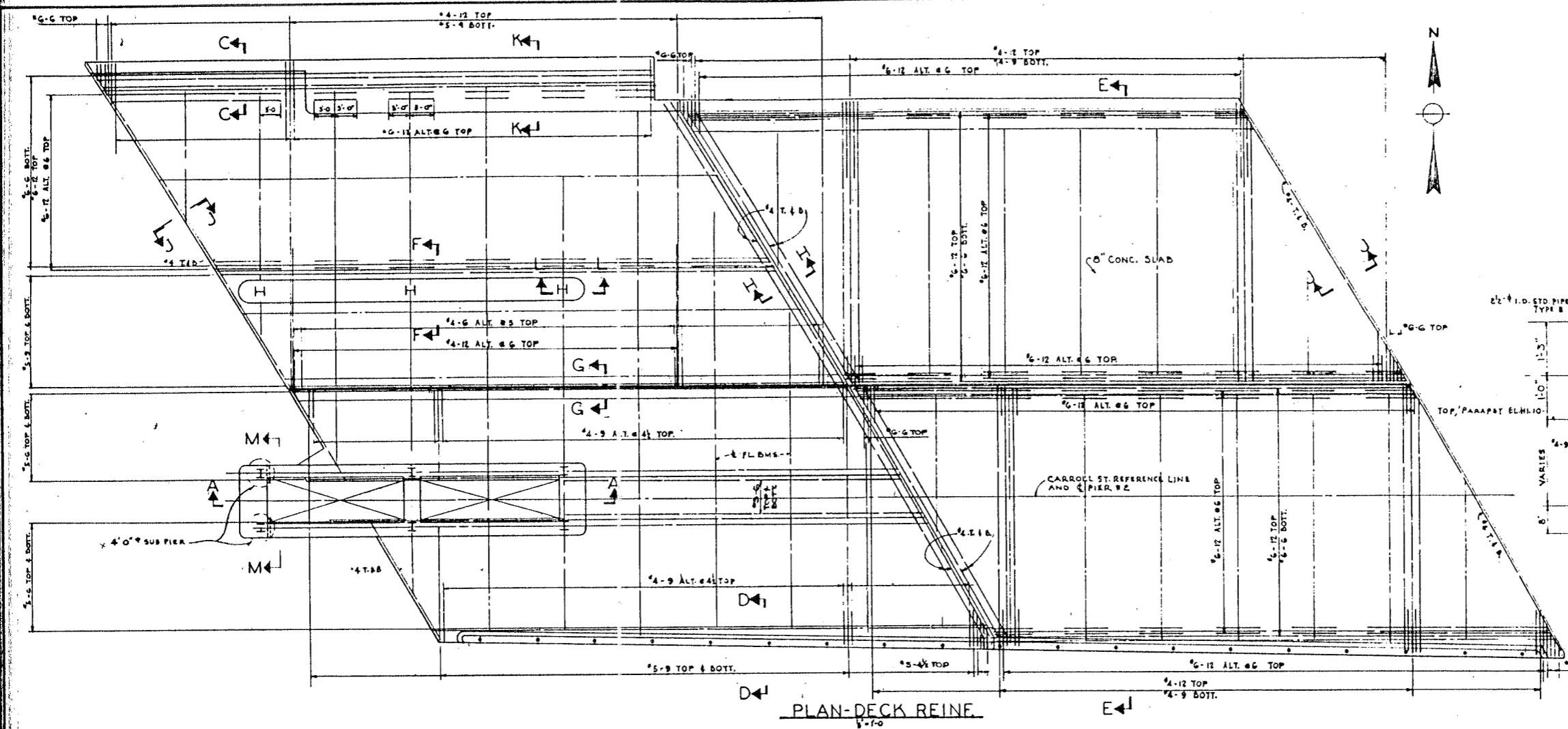


NOTE:-
FOR LOCATION OF SECTIONS C-C, D-D,
J-J, K-K, & L-L SEE SH. 5-50
OPEN HOLES 1/2" UNLESS NOTED.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
DRIVEWAY AT CARROLL ST.
STRUCTURAL STEEL

SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. 5-52 OF 134 SHEETS

NO. OF SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.1.2	0202.4-1	OK	134	70
PER HEAD OR C. (ALPHABETIC)		PROJECT 1-02-2044		

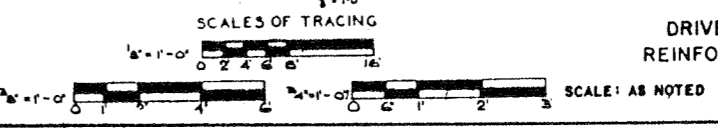


DELEW, GATHER & CO. ENGINEERS
 DESIGNED BY D.S.
 DRAWN BY R.H.
 CHECKED R.H. B.A.L.
 IN CHARGE

SECTION A-A
 1/2" = 1'-0"

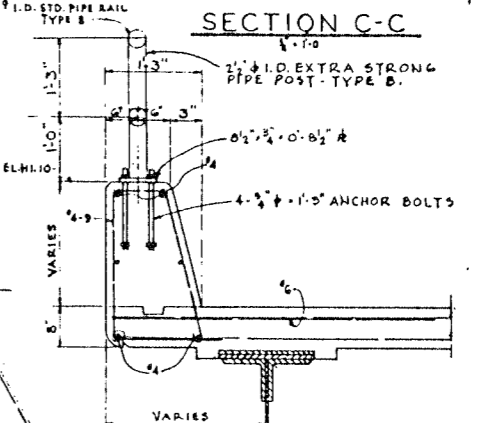
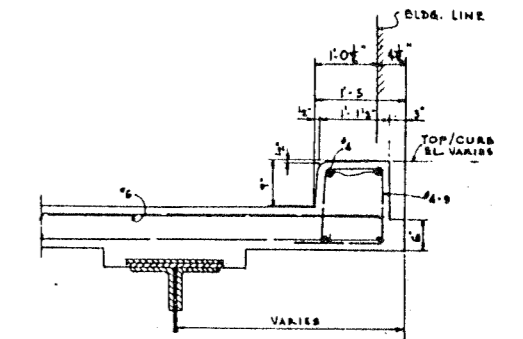
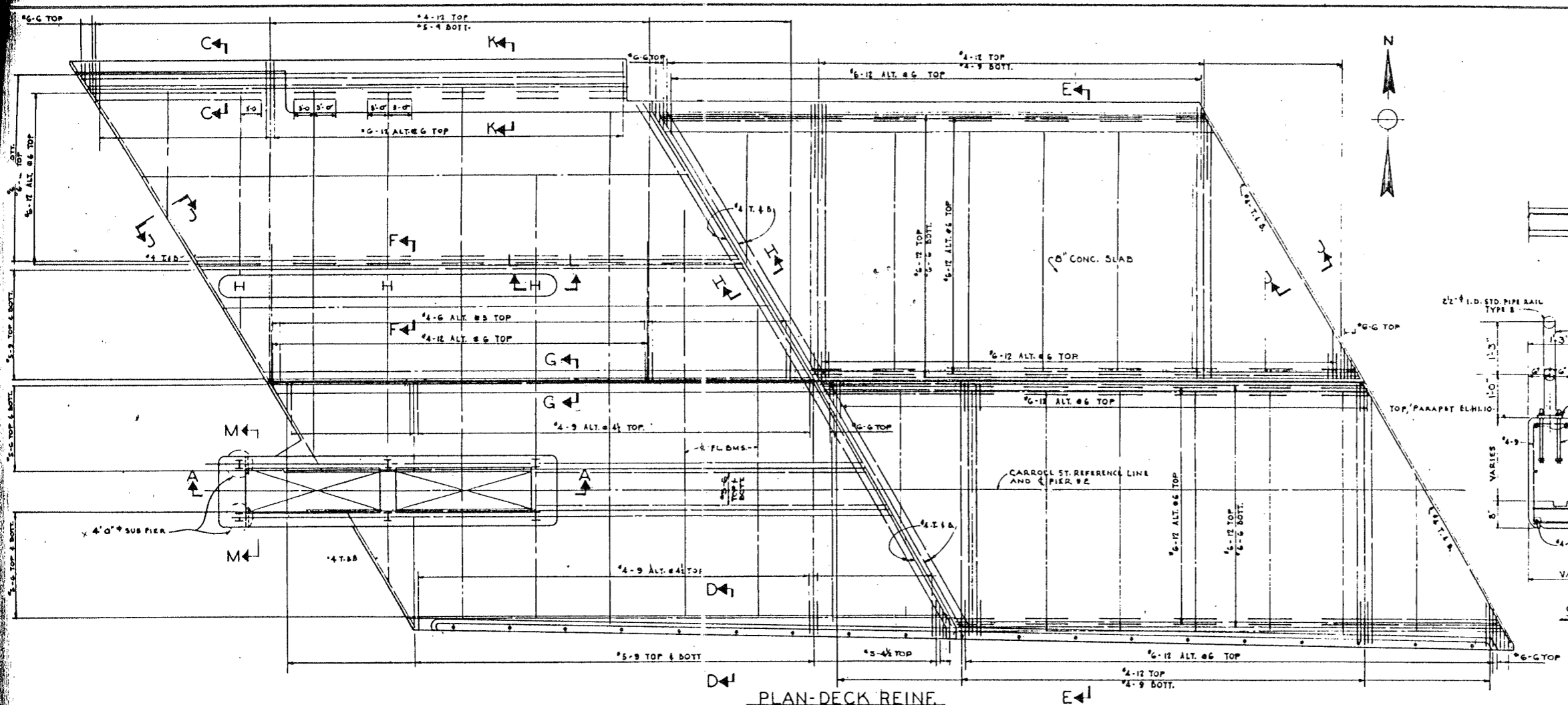
NOTE:
 FOR SECTIONS E-E THRU L-L
 SEE SH. S-54

SECTION B-B
 1/2" = 1'-0"



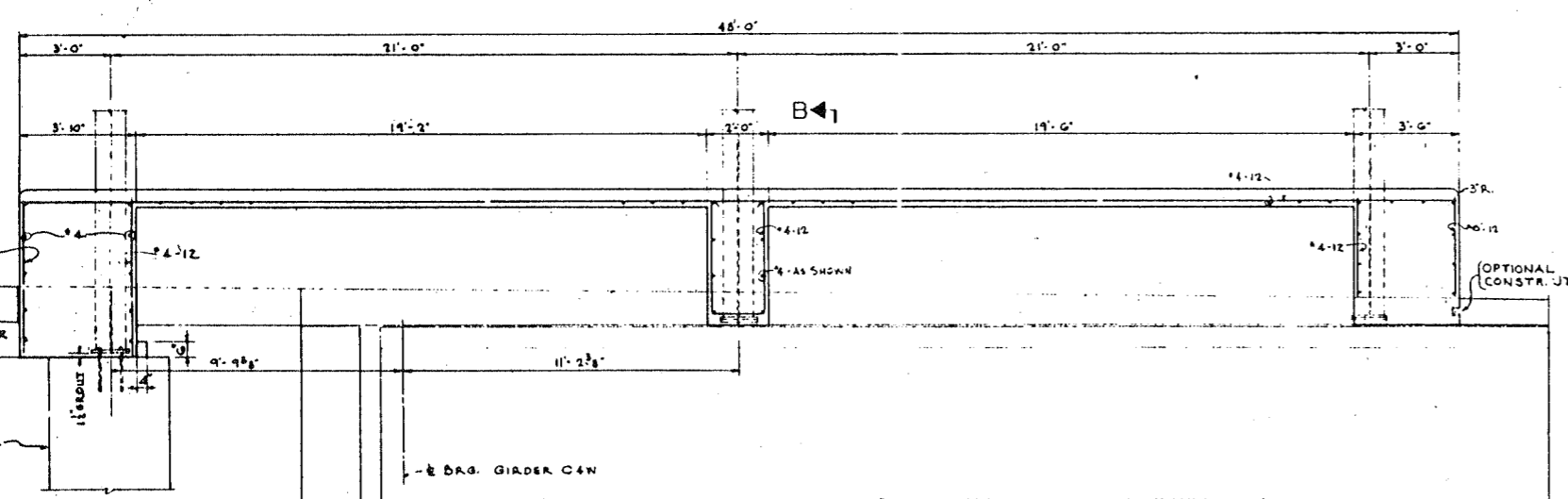
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 DRIVEWAY AT CARROLL ST.
 REINFORCED CONCRETE DECK

SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.1.2	0202.4-1	COOK	134	70
DESIGNED BY		DRAWN BY		PROJECT
R.H.S.A.A.		R.H.S.A.A.		1-02-2601

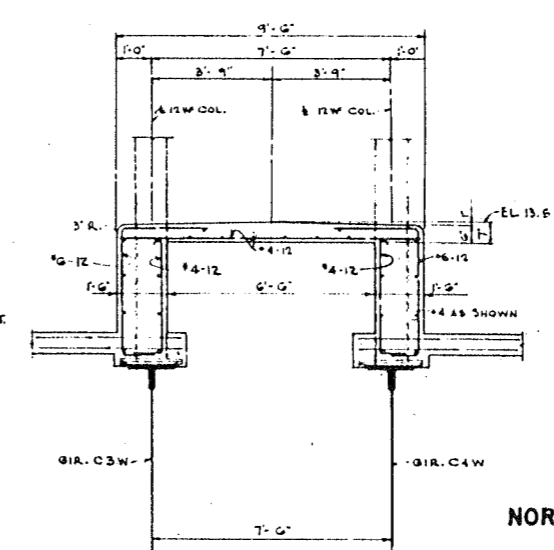


SECTION D-D
1/8\"/>

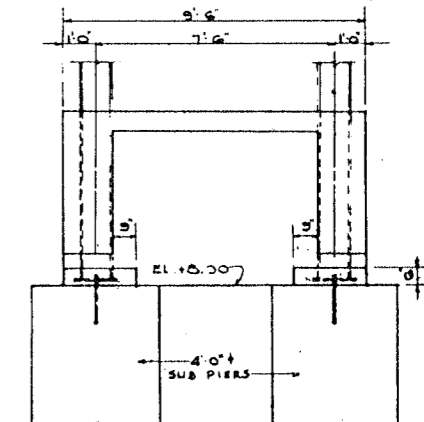
PLAN-DECK REIN.
1/8\"/>



SECTION A-A
1/8\"/>

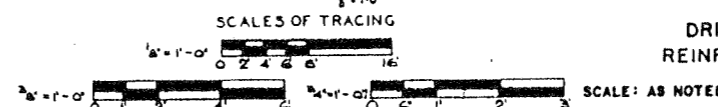


SECTION B-B
1/8\"/>



SECTION M-M
1/8\"/>

NOTE:
FOR SECTIONS E E THRU L L
SEE SH. S-54.

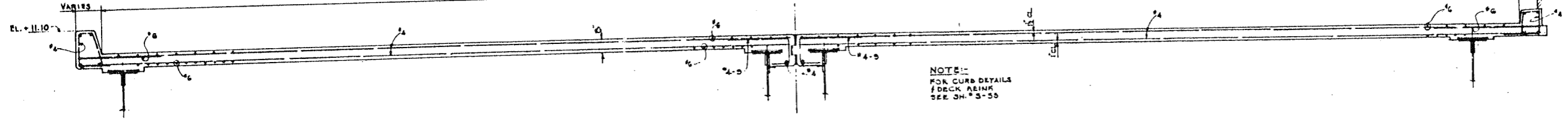


CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
DRIVEWAY AT CARROLL ST.
REINFORCED CONCRETE DECK

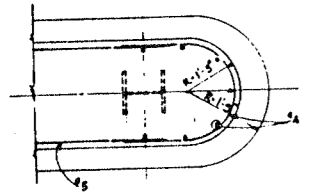
HELEW, CATHER & CO. ENGINEERS
DESIGNED BY R.S.
DRAWN BY R.H.S.A.A.
CHECKED R.H.S.A.A.
IN CHARGE

DATE: MARCH 18, 1957
SHEET NO. S-53 OF 134 SHEETS

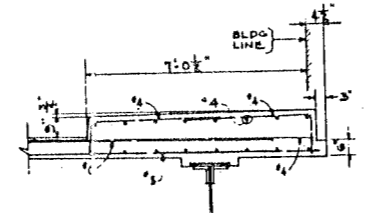
VARIES FROM ABOUT 75.25' TO 75.04' (SEE SH. # G-10)



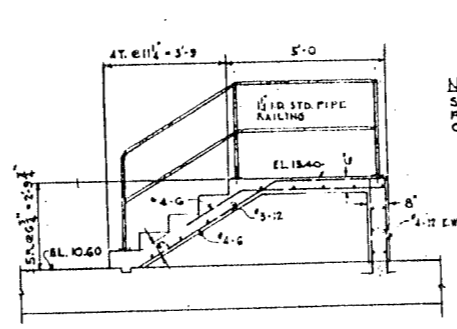
SECTION E-E
1/8" = 1'-0"



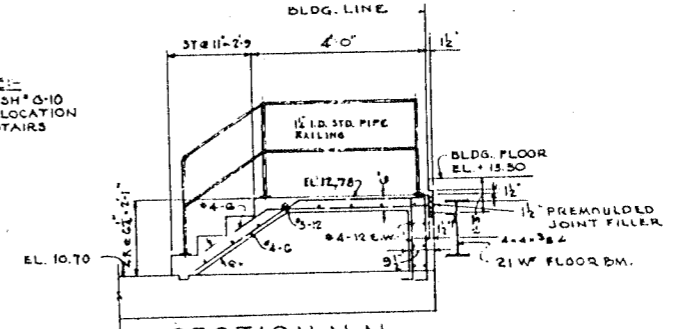
PLAN



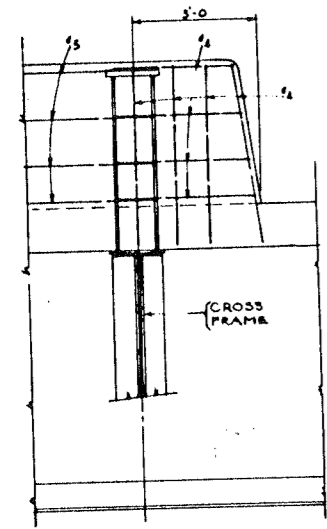
SECTION K-K
3/8" = 1'-0"



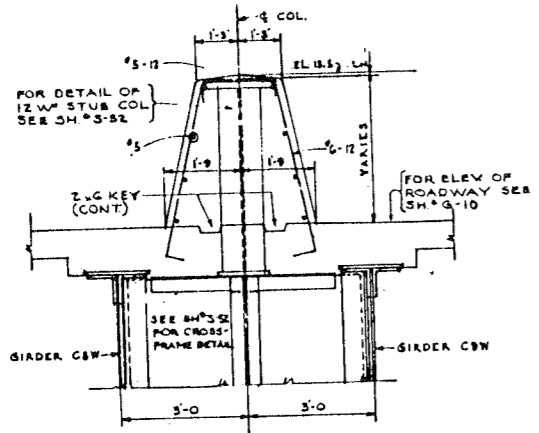
SECTION M-M
3/8" = 1'-0"



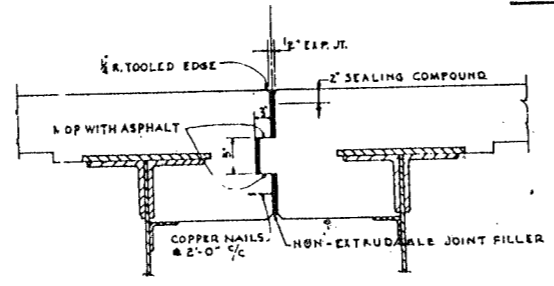
SECTION N-N
3/8" = 1'-0"



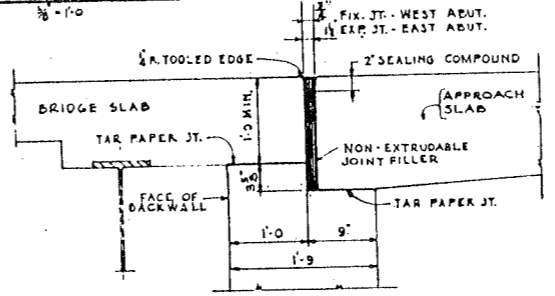
SECTION L-L
1/4" = 1'-0"



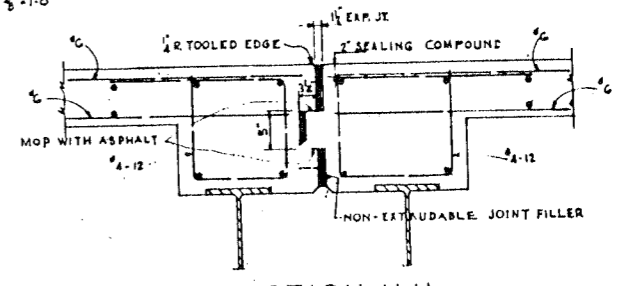
SECTION F-F
1/4" = 1'-0"



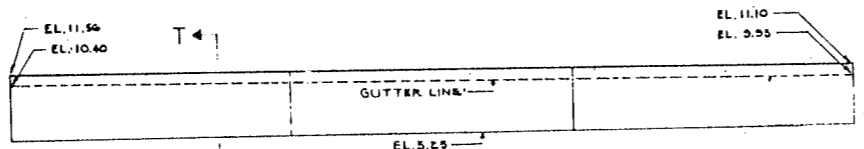
SECTION G-G
LONGITUDINAL JOINT
1" = 1'-0"



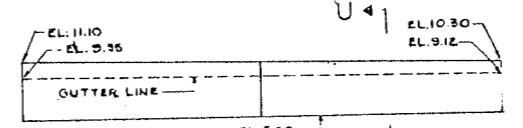
SECTION J-J
JOINT AT ABUTMENT
1" = 1'-0"



SECTION H-H
JOINT AT PIER
1" = 1'-0"

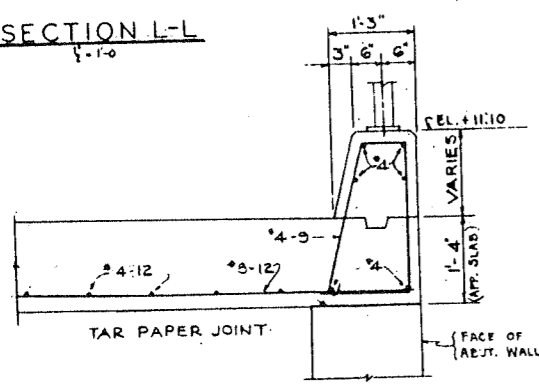


SECTION R-R
1" = 1'-0"

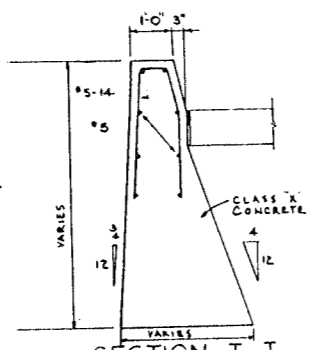


SECTION S-S
3/8" = 1'-0"

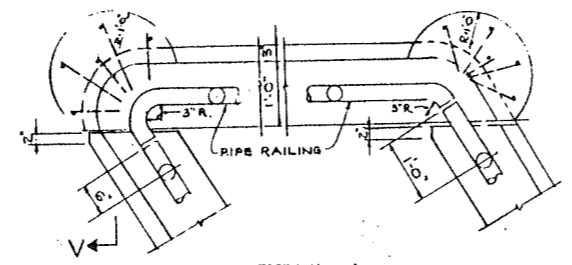
FOR LOCATION OF SECTIONS E-E THRU L-L SEE SH. # S-53
FOR LOCATION OF SECTIONS M-M THRU S-S SEE SH. # G-10
FOR LOCATION OF DETAIL 'A' SEE SH. # G-10



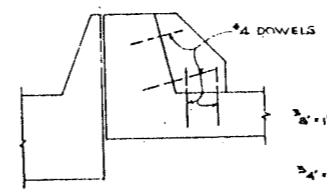
SECTION P-P
SECTION Q-Q SIMILAR
3/8" = 1'-0"



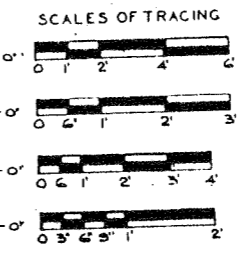
SECTION T-T
SECTION U U SIMILAR
1/2" = 1'-0"



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



SECTION V-V
1/2" = 1'-0"

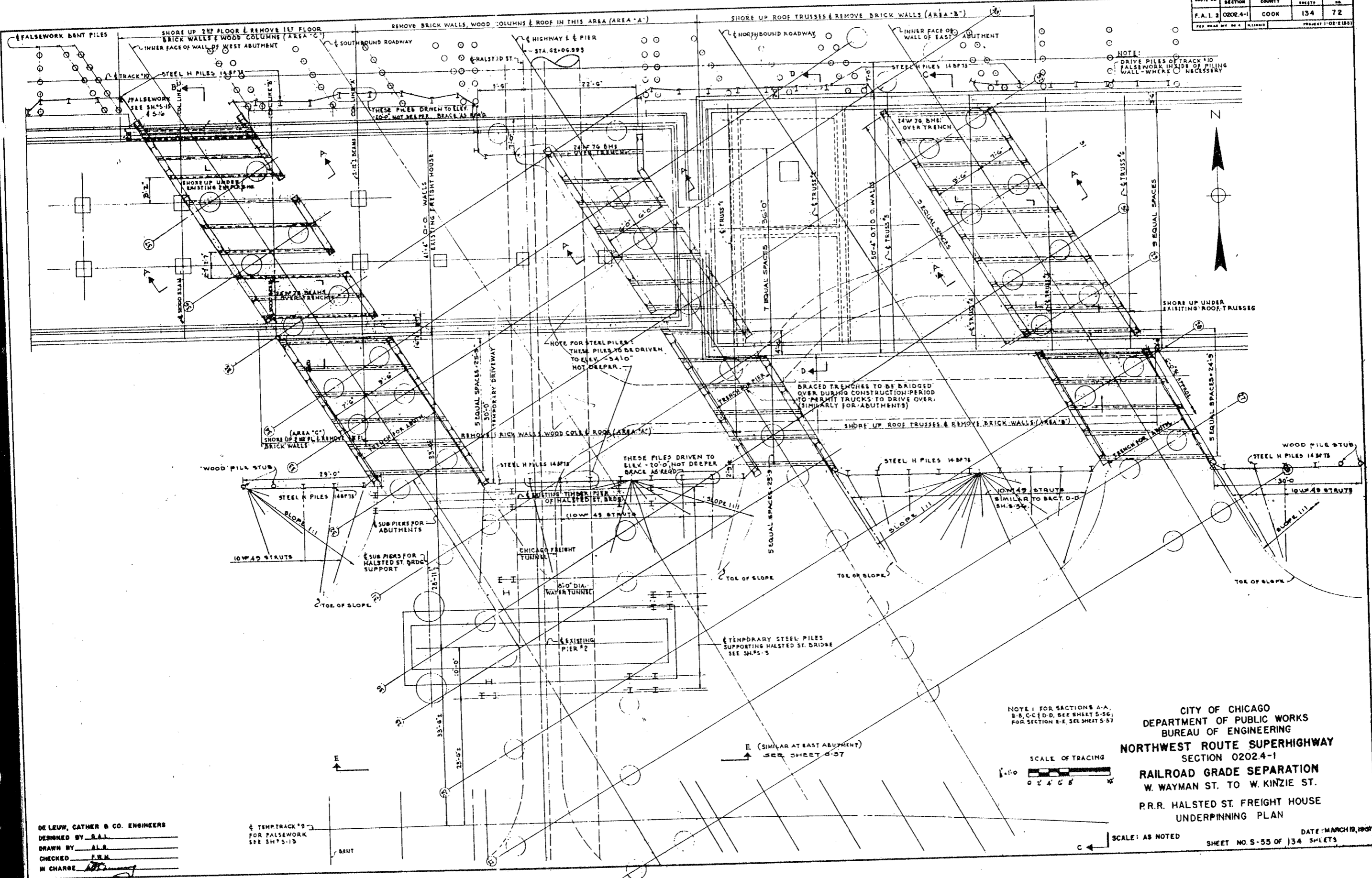


CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
CONCRETE DETAILS

SCALE: AS NOTED
DATE: MARCH 19, 1967
SHEET NO. S-54 OF 134 SHEETS

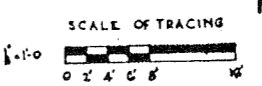
DE LEUW, CATHY & CO. ENGINEERS
DESIGNED BY R.E.H.
DRAWN BY W.C.K.
CHECKED B.A.L.
IN CHARGE *[Signature]*

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1. 2	0202.4-1	COOK	134	72
PER ROAD DIST. NO. 4		ILLINOIS	PROJECT 1-02-1831	



CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
P.R.R. HALSTED ST. FREIGHT HOUSE
UNDERPINNING PLAN

NOTE: FOR SECTIONS A-A, B-B, C-C, D-D, SEE SHEET S-56; FOR SECTION E-E, SEE SHEET S-57

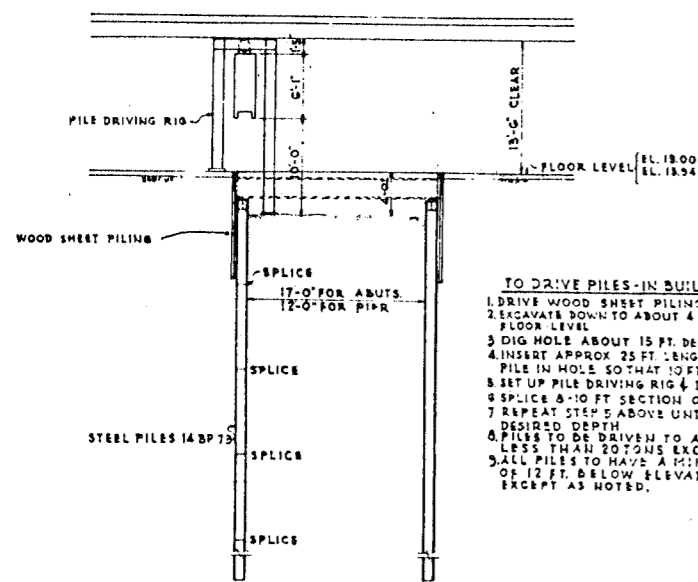


DATE: MARCH 19, 1907
SHEET NO. 5-55 OF 134 SHEETS

DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY B.A.L.
DRAWN BY A.L.B.
CHECKED F.H.M.
IN CHARGE

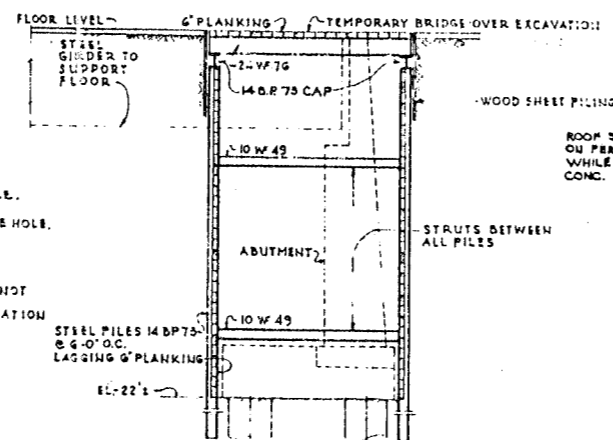
TEMPTRACK'S FOR FALSEWORK SEE SHY'S-13

SPOT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.T. 2	0202.4-1	COOK	134	73
PER. AREA BY. DATE. PLUMBER			PROJECT 1-05-1964	



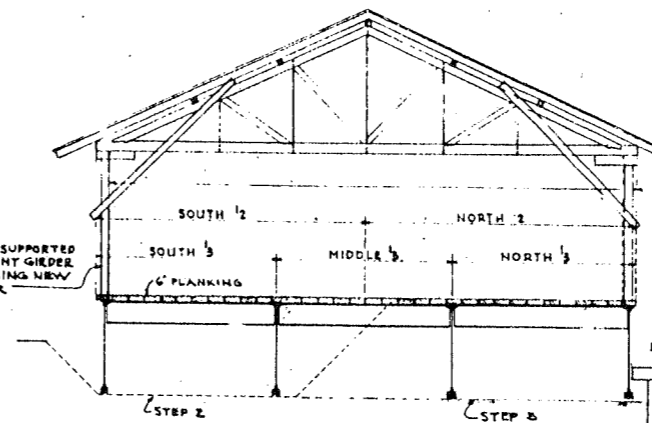
SECTION A-A STEPS 1 & 2 STAGE I
METHOD OF DRIVING STEEL PILES
SCALE: 1/4" = 1'-0"

TO DRIVE PILES IN BUILDING
 1. DRIVE WOOD SHEET PILING AS SHOWN
 2. EXCAVATE DOWN TO ABOUT 4 FT. BELOW FLOOR LEVEL
 3. DIG HOLE ABOUT 15 FT. DEEP FOR EACH PILE.
 4. INSERT APPROX. 25 FT. LENGTH OF STEEL PILE IN HOLE SO THAT 10 FT. EXTENDS ABOVE HOLE.
 5. SET UP PILE DRIVING RIG & DRIVE PILE
 6. SPlice 8-10 FT. SECTION ON PILE & DRIVE
 7. REPEAT STEPS ABOVE UNTIL PILE IS AT DESIRED DEPTH
 8. PILES TO BE DRIVEN TO A CAPACITY OF NOT LESS THAN 20 TONS EXCEPT AS NOTED.
 9. ALL PILES TO HAVE A MINIMUM PENETRATION OF 12 FT. BELOW ELEVATION - 22.0 EXCEPT AS NOTED.

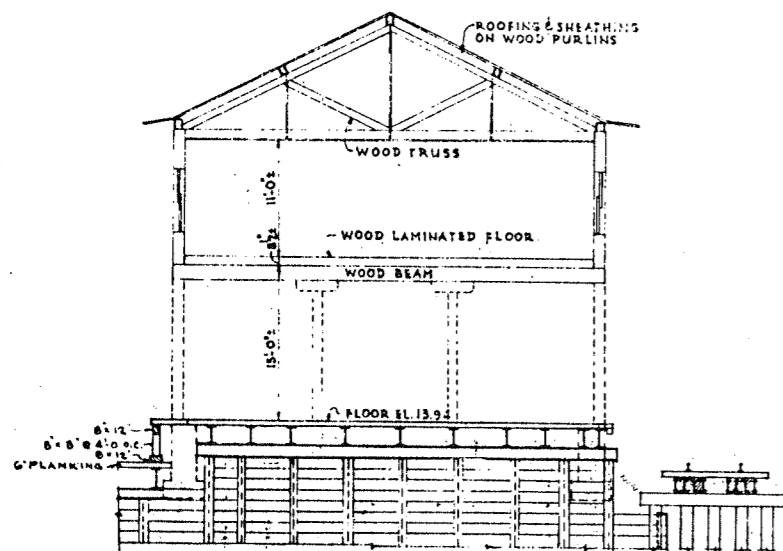
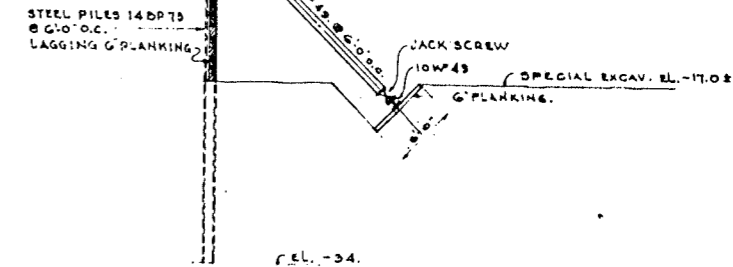
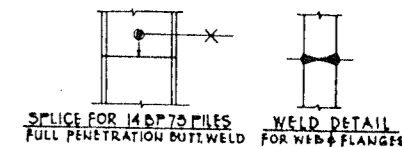


SECTION A-A STEPS 3 & 4 STAGE II
METHOD OF LAGGING, BRACING AND BRIDGING OVER EXCAVATED AREA
SCALE: 1/4" = 1'-0"

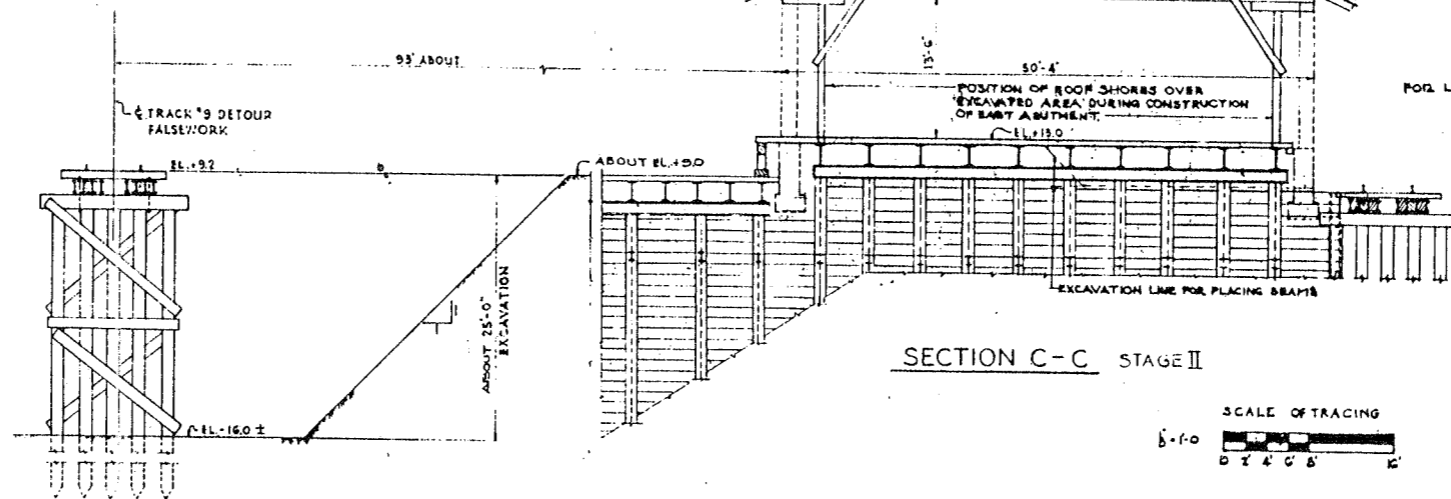
STAGE I & II
CONSTRUCTING ABUTMENTS AND PIER BENEATH EXISTING FREIGHT HOUSE



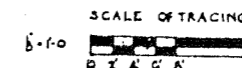
SECTION D-D STAGE III
SCALE: 1/4" = 1'-0"



SECTION B-B STAGE II



SECTION C-C STAGE II



DE LEUW, CATHAR & CO. ENGINEERS
 DESIGNED BY S.A.L.
 DRAWN BY A.L.B.
 CHECKED F.W.M.
 IN CHARGE [Signature]

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 P.R.R. HALSTED ST. FREIGHT HOUSE
 UNDERPINNING SECTIONS

SCALE: AS NOTED
 SHEET NO. 5-56 OF 134 SHEETS
 DATE: MARCH 1964

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 2	02024-1	COOK	134	74
PREPARED BY: H. J. HILLMAN		PROJECT NO. 20-21001		

CONSTRUCTION PROCEDURE

STAGE I

- PREPARATION FOR CONSTRUCTION OF SUBSTRUCTURE.**
1. RELOCATE HEATING PLANT IN PERMANENT LOCATION IN WEST END OF WEST BUILDING.
 2. RELOCATE OFFICES, WASH AND LOCKER ROOMS FROM AREA 'A', AND OFFICE AND STORAGE SPACE ON 1ST FLOOR FROM AREA 'C' TO TEMPORARY LOCATION AS SHOWN ON SHEET A-2, AND 3-55
 3. REMOVE PARTITIONS IN AREAS 'A', 'B', 'C', WALLS & ROOF OF AREA 'A', CROSS WALLS AT EAST EDGE OF HALSTED ST. AND CROSS WALLS BELOW 2-INCH I-BEAMS AT WEST EDGE OF AREA 'A'. PLANK OVER AREA BETWEEN WALLS AT EAST EDGE OF AREA 'A' USING SOUTH HALF OF FREIGHT HOUSES FOR TRUCKING AREA. REMOVE CONCRETE FLOOR IN NORTH HALF OF AREAS TO BE TRENCHED FOR EXCAVATION FOR SUBSTRUCTURE.
 4. DRIVE WOOD SHEETING AND EXCAVATE THESE AREAS ABOUT 4 FEET DEEP (SEC. A-A, SH. 3-56).
 5. DRIVE H-BEAM PILES, CAP & PLACE BEAMS (SEC. A-A SHEET 3-56).
 6. PLACE SHORES WHICH SUPPORT 2ND FLOOR OF AREA 'C' AND ROOF TRUSSES OF AREA 'B' ON BEAMS PLACED IN STEP 5 (SEE SHEET THIS SHEET).
 7. PLANK OVER BEAMS, ALSO PLANK OVER STAIRWAY TO EXISTING BOILER ROOM IN EAST END OF AREA 'A' AND PLACE NORTH HALF FREIGHT HOUSES IN SERVICE AS TRUCKING AREA.
 8. 10, 11, 12, 13, REPEAT STEPS 4, 5, 6, 7, 8 TO PREPARE SOUTH HALF FOR CONSTRUCTION OF SUBSTRUCTURE.

STAGE II

1. EXCAVATE BETWEEN H-BEAM PILES, PLACING LAGGING AND STUITS AS EXCAVATION PROCEEDS (SEC. A-A, SHEET 3-56), AND REMOVE FREIGHT HOUSE FOUNDATIONS, 1ST FLOOR WALLS OF AREA 'C', AND WALLS OF AREA 'B' OVER TRENCHES ONLY.
2. CONSTRUCT SUB-PIERS, PIER AND ABUTMENTS UNDER FREIGHT HOUSE.

STAGE III

ERECTION OF SUPERSTRUCTURE FOR SUPPORT OF FREIGHT HOUSE.

1. PLACE SHORES UNDER 2ND FLOOR IN SOUTH HALF OF AREA 'C' AND UNDER ROOF TRUSSES IN SOUTH HALF OF AREA 'B' NOT SUPPORTED ON BEAMS OVER TRENCHES.
2. USING NORTH HALF OF FREIGHT HOUSES FOR TRUCKING AREA, REMOVE REMAINING CONCRETE FLOOR IN SOUTH HALF, REMAINING SOUTH WALLS OF AREAS 'B' AND 'C', AND EXCAVATE SOUTH HALF OF AREAS 'A', 'B' & 'C' TO BRIDGE SEAT ELEV. ERECT 4 MAIN GIRDERS AND FLOOR FRAMING IN SOUTH 1/2 OF AREAS 'A', 'B' & 'C'. MOVE ROOF AND WALL SHORES TO NEW SUPERSTRUCTURE AND PLANK OVER FOR TEMPORARY USE BY FREIGHT HOUSE TRUCKS.
3. PLACE SHORES UNDER ROOF TRUSSES IN NORTH HALF OF AREA 'B' NOT SUPPORTED ON BEAMS OVER TRENCHES. ALSO UNDERPIN FOUNDATION OF NORTH WALL BETWEEN COLUMN LINES A & B. (INCL. PLASTER AT COL. LINES A & B).
4. USING SOUTH 1/2 OF FREIGHT HOUSE FOR TRUCKING, REMOVE REMAINING CONCRETE FLOOR IN NORTH HALF, REMAINING NORTH WALL OF AREA 'B' AND EXCAVATE NORTH HALF OF AREAS 'A', 'B' & 'C' TO BRIDGE ELEVATIONS.
5. ERECT 4 MAIN GIRDERS IN NORTH HALF AND FLOOR FRAMING IN NORTH 1/2 OF AREAS 'A', 'B' & 'C' AND MOVE ROOF & WALL SHORES TO NEW SUPERSTRUCTURE. PLANK OVER STEEL FRAMING FOR TEMPORARY USE BY FREIGHT HOUSE TRUCKS.
7. CONSTRUCT NEW CONCRETE FLOOR IN NORTH HALF. REPLACE ALL WALLS IN NORTH HALF AND REMOVE SHORES.
8. USING NORTH HALF FOR TRUCKING, CONSTRUCT NEW CONCRETE FLOOR IN SOUTH HALF. REPLACE ALL WALLS IN SOUTH HALF AND REMOVE REMAINING SHORES.

CARROLL ST. CONSTRUCTION PROCEDURE

STAGE I

1. USING A TEMPORARY DRIVEWAY BETWEEN PIER #2 & TRACK #9 (EXISTING PAVEMENT IN PLACE), REMOVE CONCRETE PAVEMENT IN DRIVEWAY AREA ADJACENT TO THE FREIGHT HOUSE TO BE TRENCHED FOR SUB-STRUCTURE.
2. DRIVE H-BEAM PILES, CAP, AND PLACE BEAMS.
3. PLANK OVER BEAMS.
4. TRUCKING MAY NOW BE SOUTH ADJACENT TO THE FREIGHT HOUSE AND THE TEMPORARY DRIVEWAY SOUTH OF PIER #2 ABANDONED.

STAGE II

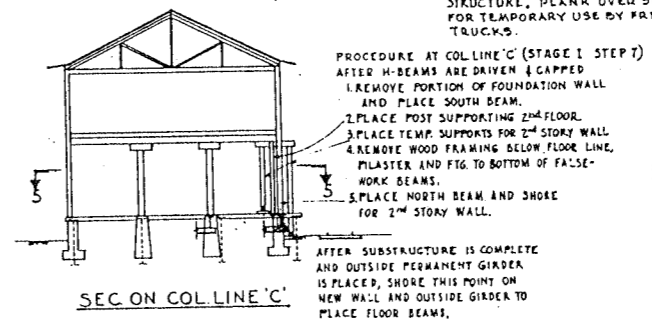
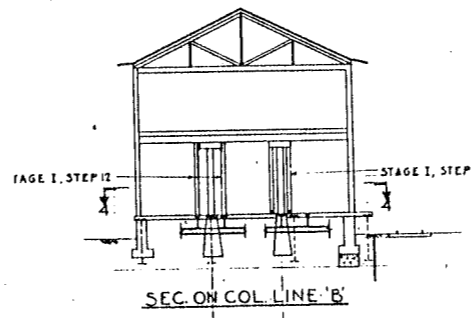
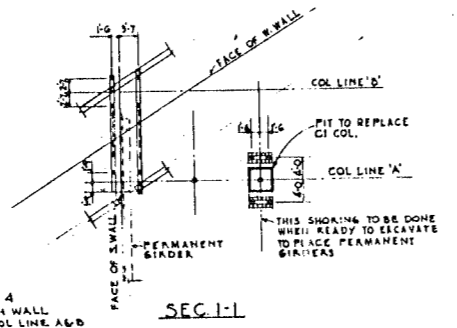
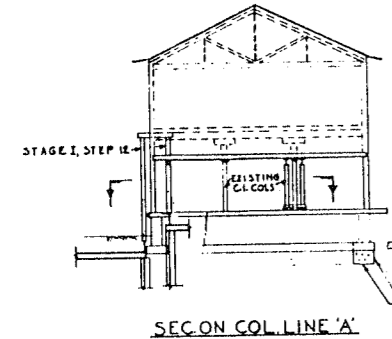
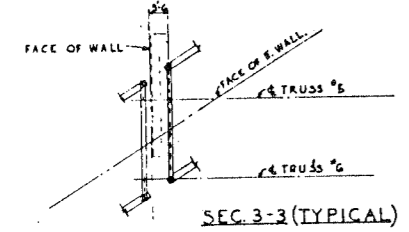
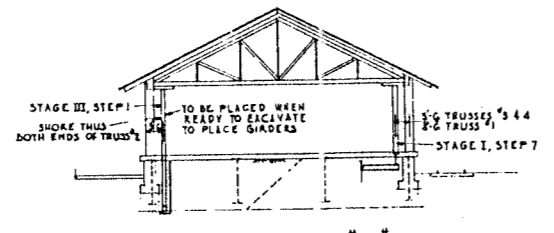
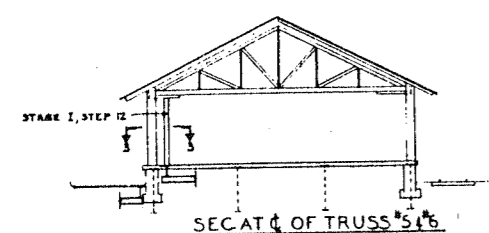
1. EXCAVATE BETWEEN THE H-BEAM PILES, PLACING LOGGING & STUITS AS EXCAVATION PROCEEDS.
2. CONSTRUCT SUB-PIERS, CENTER PIER AND THE ABUTMENTS FOR ALL OF CARROLL ST.

STAGE III

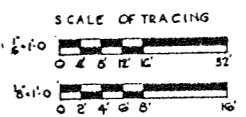
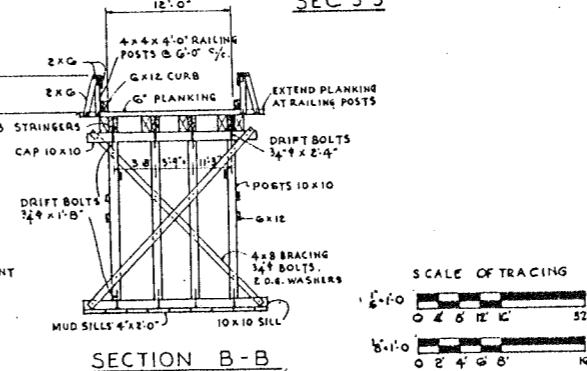
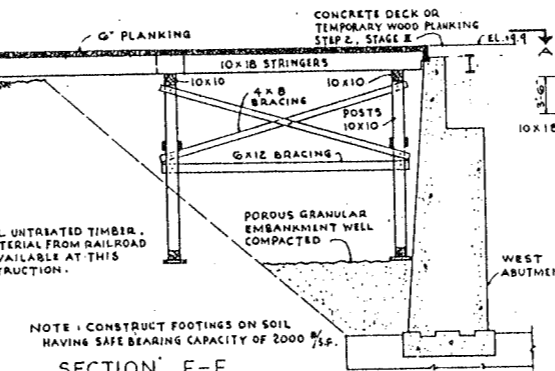
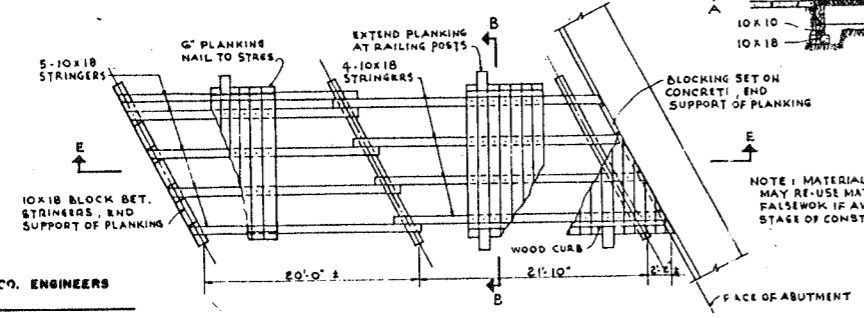
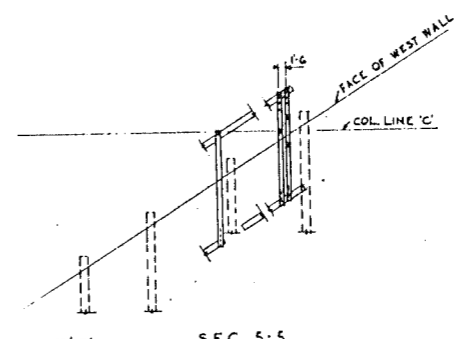
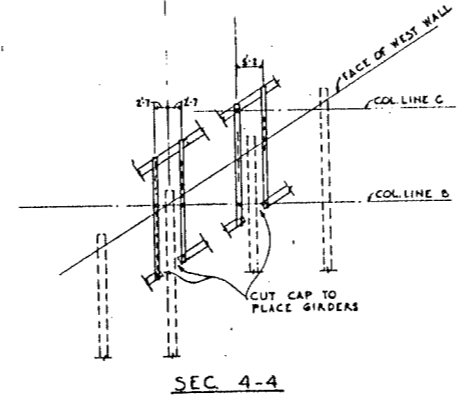
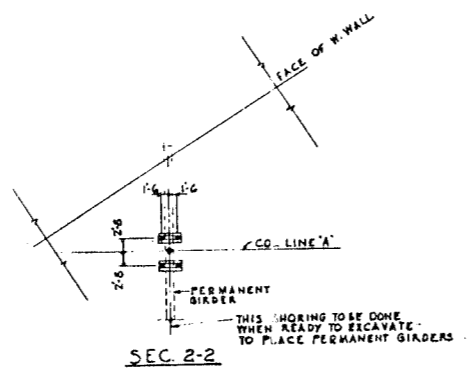
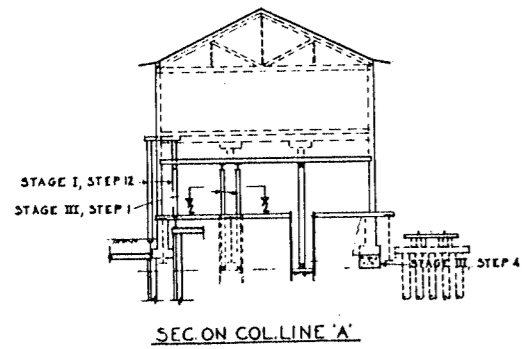
1. ERECT MAIN GIRDERS & BEAM FRAMING FOR SOUTH HALF OF CARROLL ST.
2. CONSTRUCT TEMPORARY WOOD APPROACH TRUSTLES BEHIND ABUTMENTS (SEE SECTION A-A, THIS SHEET).
3. USING THE SOUTH HALF OF CARROLL ST. AS A TEMPORARY DRIVEWAY BY PLANKING OVER THE STEEL WITH 6" PLANKING FROM THE FREIGHT HOUSE AND DRIVEWAY OR ON THE COMPLETED CONCRETE DECK, ERECT THE MAIN GIRDERS & BEAM FRAMING FOR THE NORTH HALF OF CARROLL ST. ADJACENT TO THE FREIGHT HOUSE.
4. PLANK OVER THE STEEL FRAMING IN THE NORTH HALF OF CARROLL ST. & USE FOR TRAFFIC ADJACENT TO THE FREIGHT HOUSE.
5. CONSTRUCT THE NEW CONCRETE DECK IN THE NORTH HALF OF CARROLL ST.

NOTE: THE FREIGHT HOUSE WILL BE IN OPERATION AT ALL TIMES EXCEPT FROM 5:00 PM SATURDAY TO MIDNIGHT ON THE FOLLOWING SUNDAY.

SEE DRWG. 3-56 FOR ADDITIONAL SECTIONS.



PROCEDURE AT COL LINE 'C' (STAGE I STEP 7)
 AFTER H-BEAMS ARE DRIVEN & CAPPED
 1. REMOVE PORTION OF FOUNDATION WALL AND PLACE SOUTH BEAM.
 2. PLACE POST SUPPORTING 2ND FLOOR.
 3. PLACE TEMP. SUPPORTS FOR 2ND STORY WALL.
 4. REMOVE WOOD FRAMING BELOW FLOOR LINE, PLASTER AND FIG. TO BOTTOM OF FALSE-WORK BEAMS.
 5. PLACE NORTH BEAM AND SHORE FOR 2ND STORY WALL.
 AFTER SUBSTRUCTURE IS COMPLETE AND OUTSIDE PERMANENT GIRDER IS PLACED, SHORE THIS POINT ON NEW WALL AND OUTSIDE GIRDER TO PLACE FLOOR BEAMS.



DELEW, CATHEN & CO. ENGINEERS
 DESIGNED BY F.W.M.
 DRAWN BY F.W.M.
 CHECKED R.A.J.
 IN CHARGE *[Signature]*

SECTION A-A
 (PLAN)
 SCALE: 1/8"=1'-0"

SECTION E-E
 (CARROLL ST. CONSTRUCTION, STAGE II, STEP 2)
 SIMILAR AT EAST ABUTMENT
 SCALE: 1/8"=1'-0"

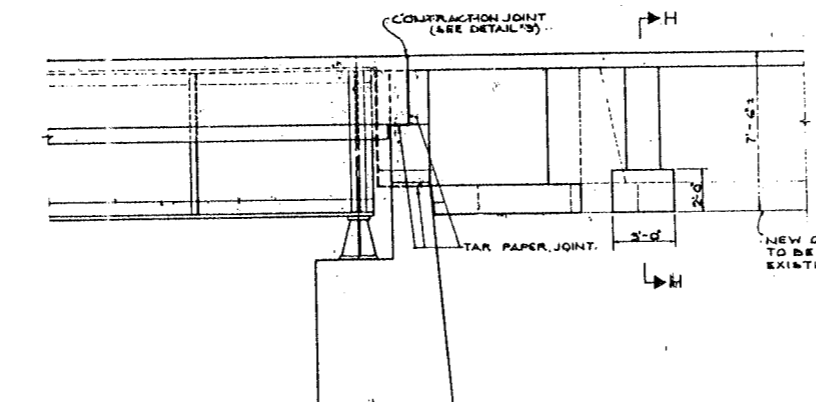
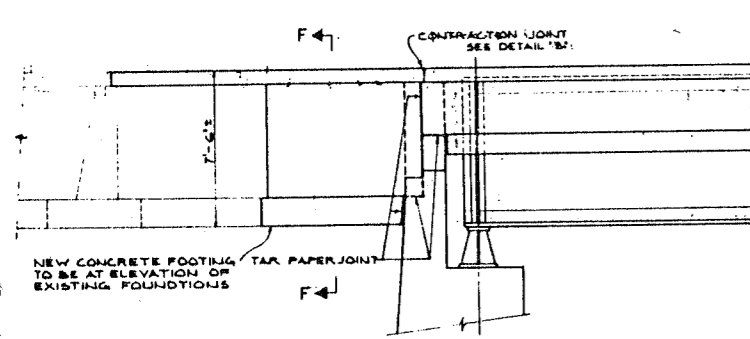
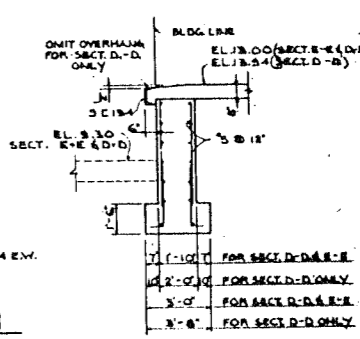
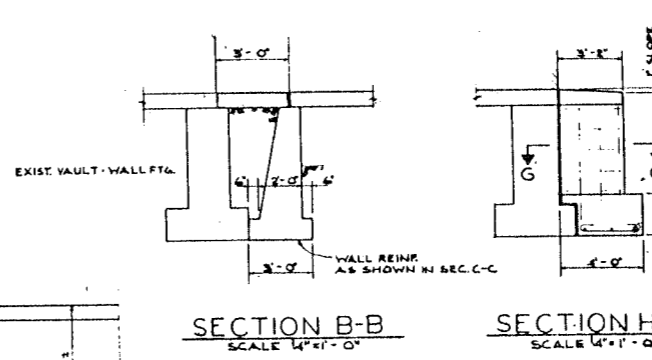
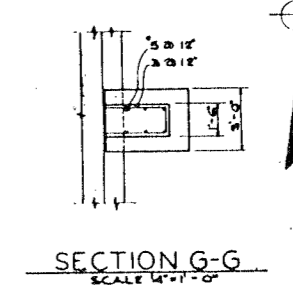
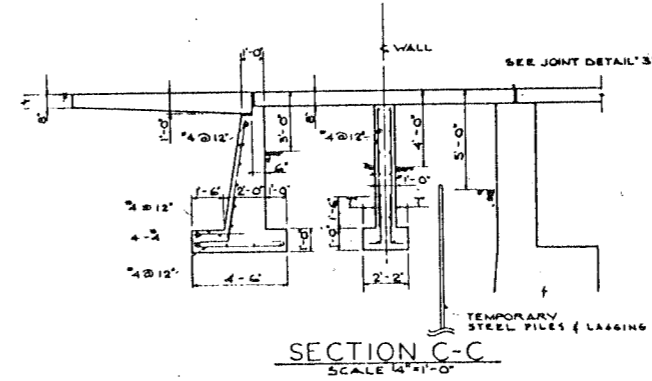
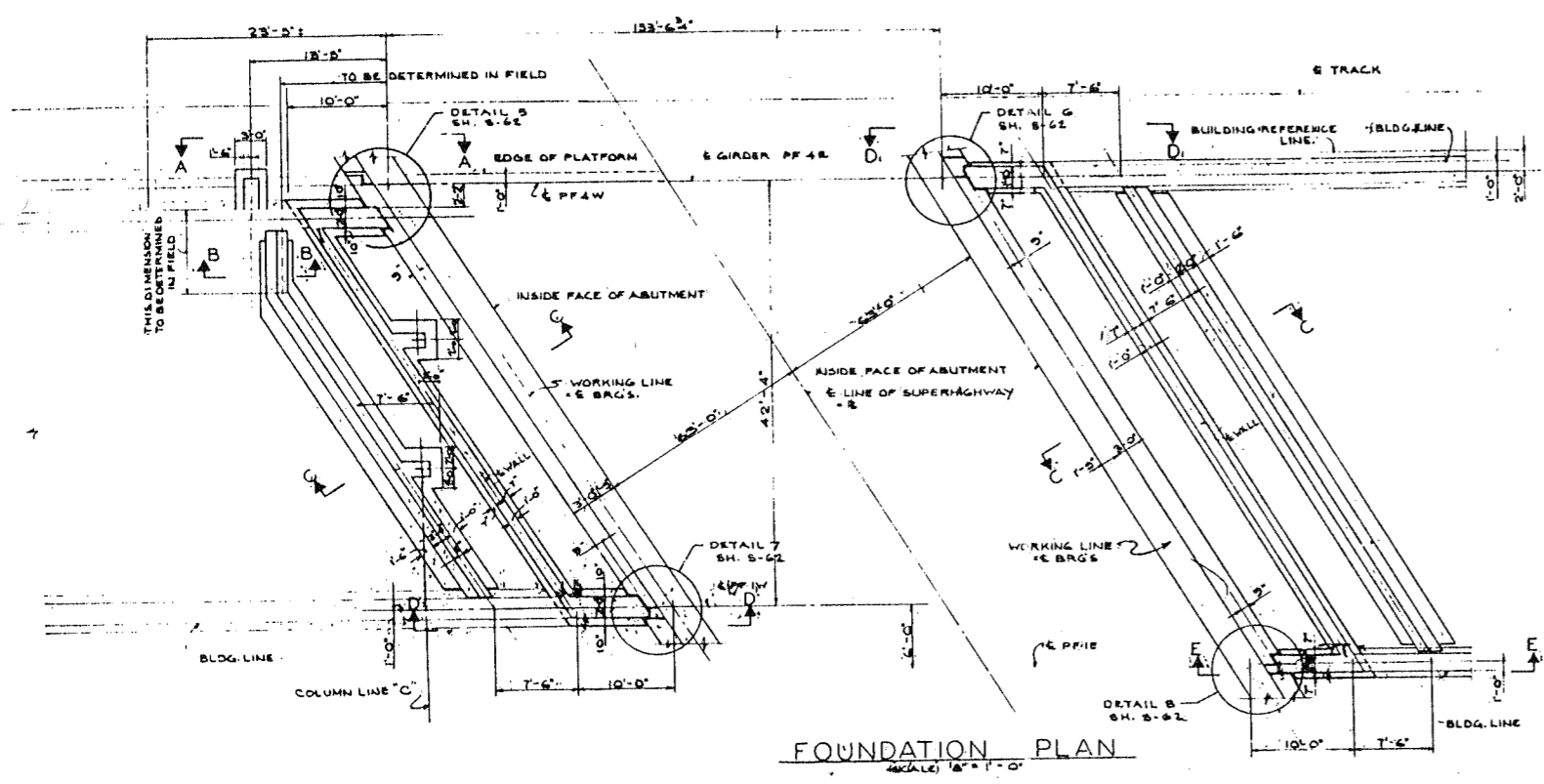
SECTION B-B
 SCALE: 1/8"=1'-0"

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 02024-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 P.R.R. HALSTED ST. FREIGHT HOUSE
 UNDERPINNING SECTIONS

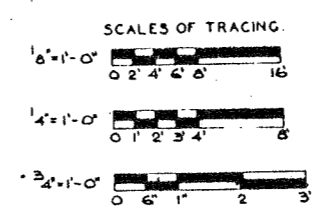
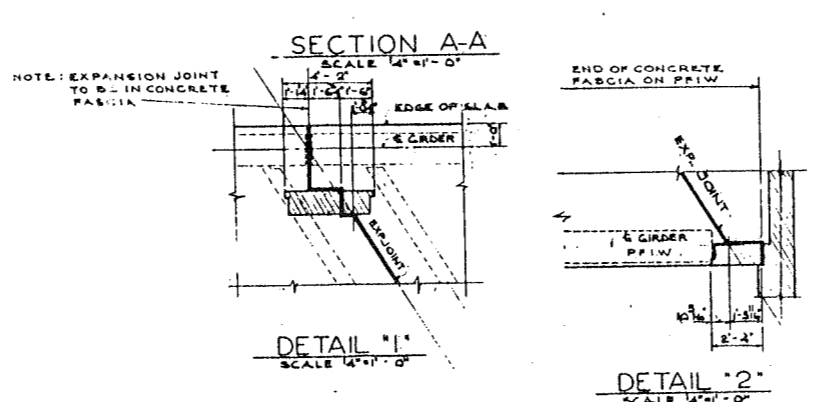
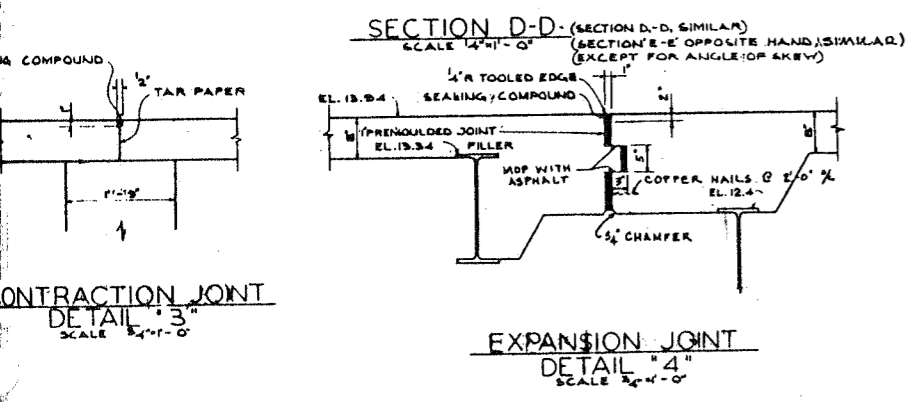
SCALE: AS NOTED DATE: MARCH 19, 1907 SHEET NO. 5-57 OF 134 SHEETS

KE

DATE	SECTION	DRAWN BY	TOTAL SHEETS	SHEET NO.
F.A.L. 2	0202.4-1	COOK	134	75
P.L.S. 3042 REV. 10-1		ALLIANCE	PROJECT 4-02-300	



NOTE:
CONCRETE PROTECTION FOOTINGS - COVERAGE - 3"
WALLS - COVERAGE - 2"



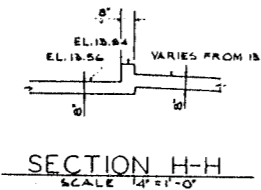
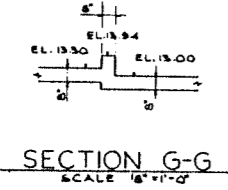
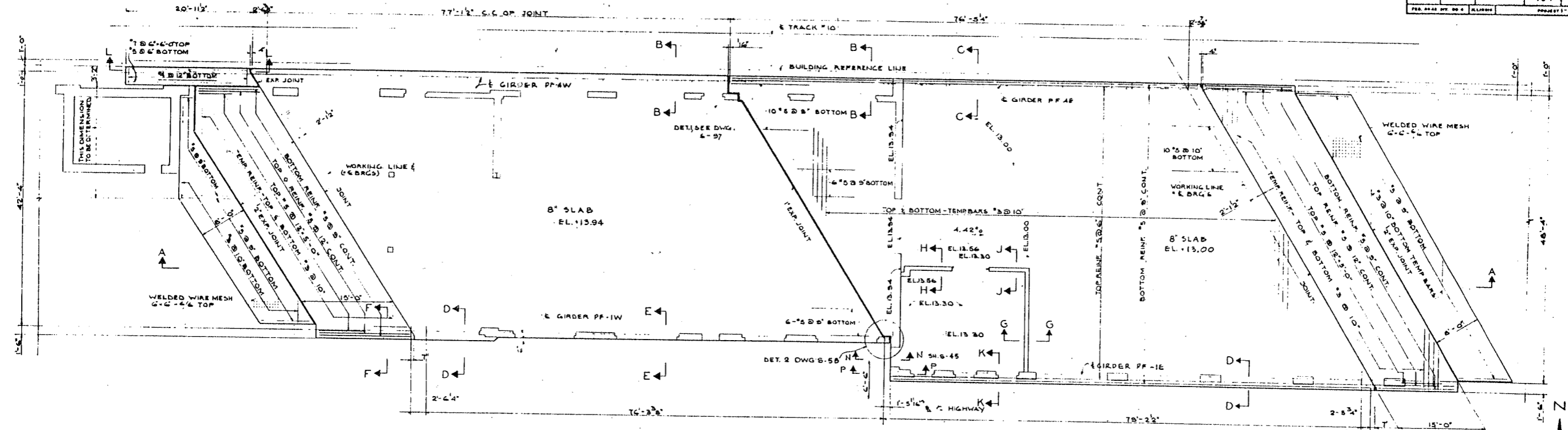
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
P.R.R. HALSTED ST. FREIGHT HOUSE
FOUNDATION PLAN

SCALE: AS NOTED
SHEET NO. 5-58 OF 134 SHEETS

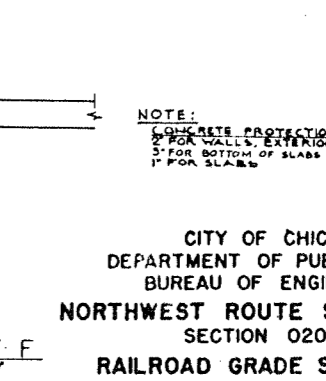
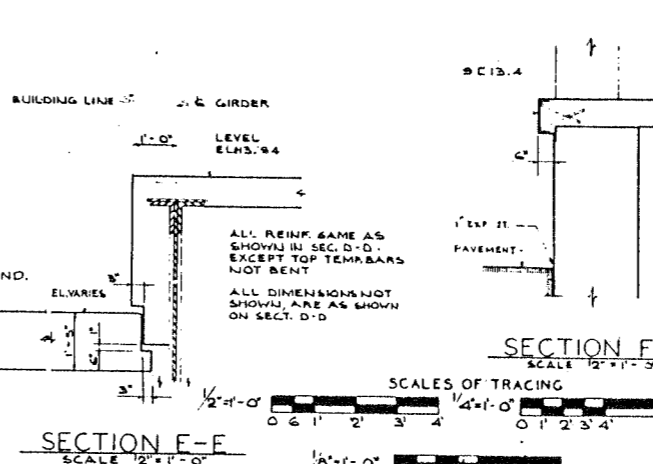
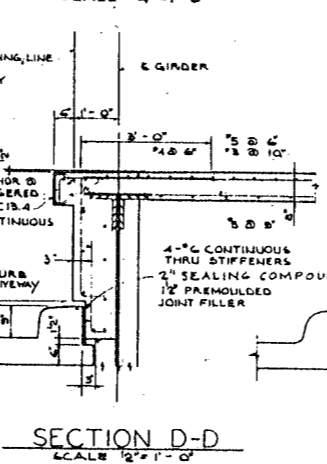
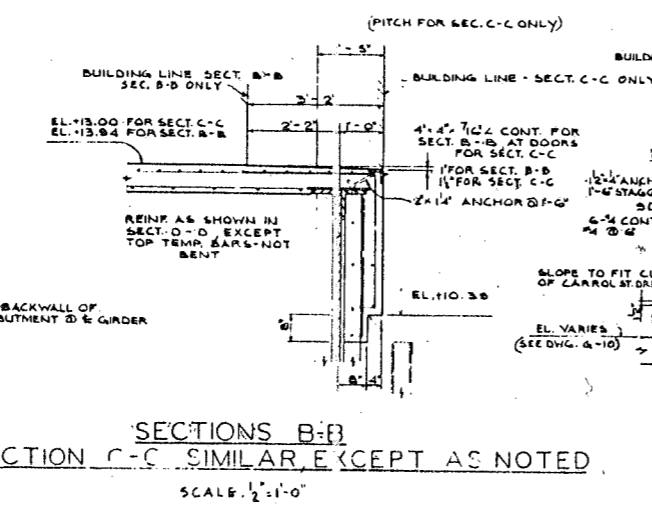
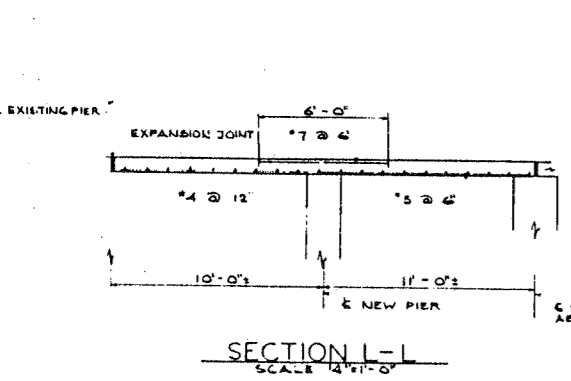
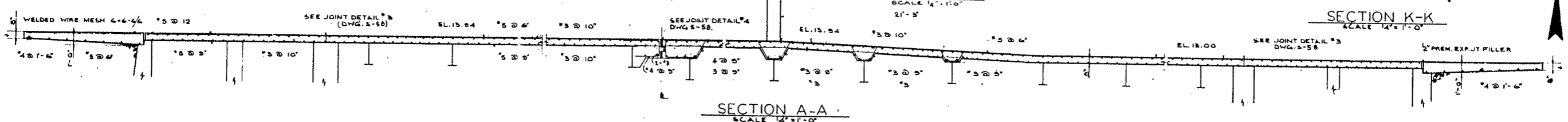
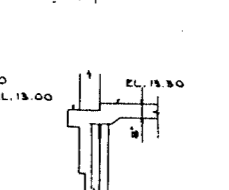
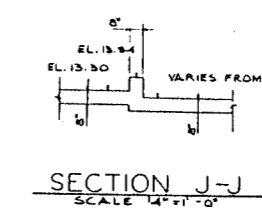
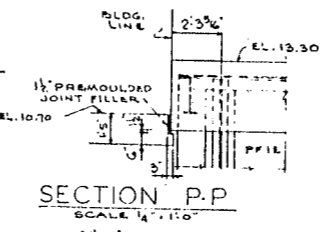
W. GATHER & CO. ENGINEERS
BY: E.S.M.
BY: J.S.
BY: P.A.L.
BY: [Signature]

KE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 12	0202.4-1	COOK	134	76
PREPARED BY	DATE	PROJECT		
		1'-0"=250'		



SLAB PLAN
SCALE 1/8" = 1'-0"

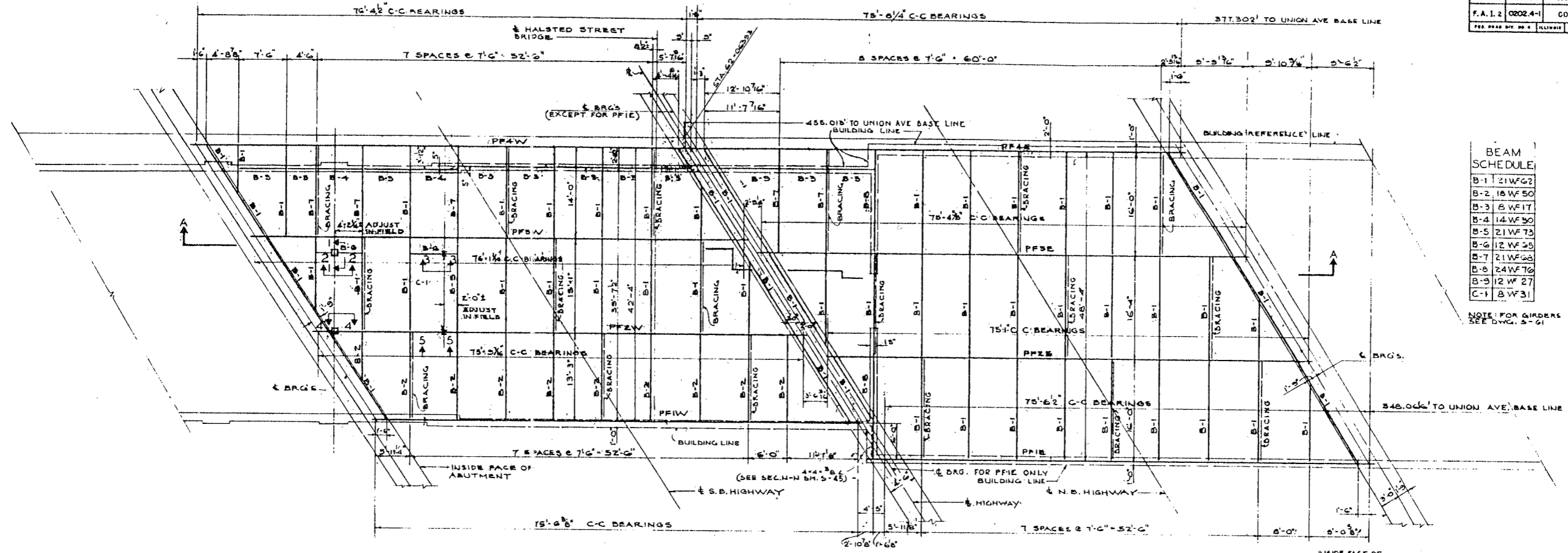


DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY E.S.H.
DRAWN BY J.S.
CHECKED B.A.L.
IN CHARGE

NOTE:
CONCRETE PROTECTION:
2" FOR WALLS, EXTERIOR PLATFORMS,
3" FOR BOTTOM OF SLABS ON GROUND,
1" FOR SLABS

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
P.R.R. HALSTED ST. FREIGHT HOUSE
CONCRETE FLOOR PLAN

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	77
PROJECT L-02-418-D				

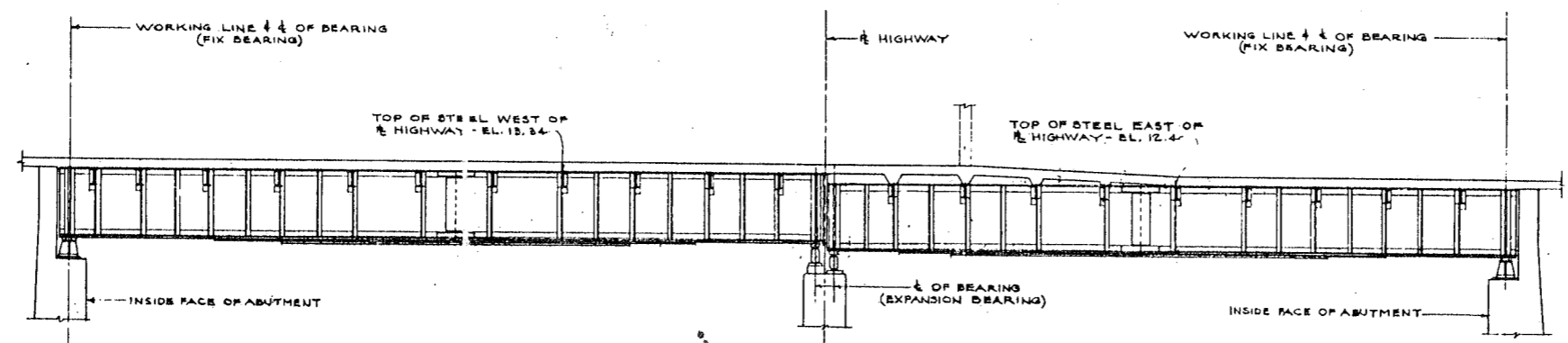


BEAM SCHEDULE

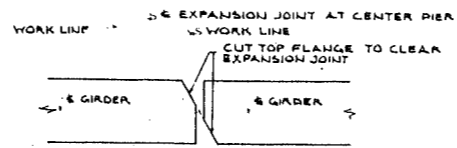
B-1	21WF62
B-2	18WF50
B-3	8WF17
B-4	14WF30
B-5	21WF73
B-6	12WF25
B-7	21WF68
B-8	24WF76
B-9	12WF27
C-1	8WF31

NOTE: FOR GIRDSERS SEE DWG. 5-61

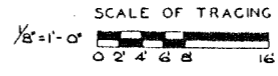
PENN. R.R. FREIGHT HOUSE
FLOOR FRAMING PLAN
SCALE 1/8"=1'-0"



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



DETAIL OF TOP FLANGE OF GIRDER AT CENTER PIER
SCALE 1/2"=1'-0"



LIVE LOAD --- 600 LBS/SQ. FT.

NOTES
WORKING LINES ARE CURVES CONCENTRIC WITH 1/4 OF SUPERHIGHWAY
FIELD AND SHOP CONNECTIONS ARE RIVETED UNLESS OTHERWISE SHOWN
RIVETS 7/8", EXCEPT AS NOTED
OPEN HOLES 1 1/2", EXCEPT AS NOTED

FOR TYPICAL BRACING DETAIL SEE SH. 5-45.
EL. TOP OF STEEL = EL. BACK OF TOP FLANGE ANGLES OF GIRDSERS
STATIONS FROM UNION AVE BASE LINE ARE MEASURED ON BUILDING REFERENCE LINE.
FOR SECTIONS 2-2 THRU 5-3, SEE SH. 5-61.

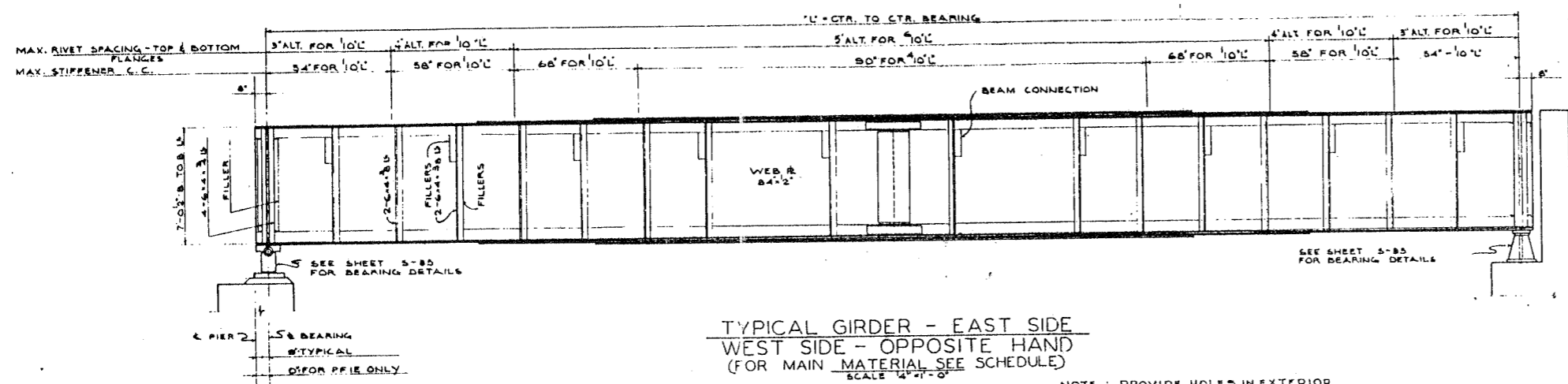
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
P.R.R. HALSTED ST. FREIGHT HOUSE
FLOOR FRAMING

SCALE: AS NOTED DATE: MARCH, 1957 SHEET NO. 5-60 OF 134 SHEETS

DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY F.S.M.
DRAWN BY F.S.
CHECKED B.A.L.
IN CHARGE

KE

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	78
PER ORDER OF		ILLINOIS	PROJECT 105-1(88)	

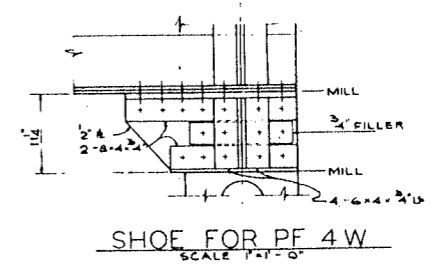


GIRDER SCHEDULE OF MAIN MATERIAL

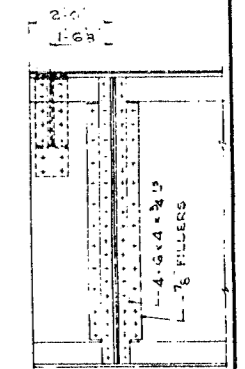
SECTION	PF 1E PF 4E	PF 2E	PF 3E PF 2W	PF 1W PF 4W	PF 3W
1 st WEB PLATE	84x2	84x2	84x2	84x2	84x2
4 th FLANGE ANGLES	8x8x7/8	8x8x7/8	8x8x7/8	8x8x7/8	8x8x7/8
1 st COVER PLATE	18x2x4x10-0	18x2x4x10-0	18x2x4x10-0	18x2x4x10-0	18x2x4x10-0
2 nd COVER PLATE	18x2x4x10-0	18x2x4x10-0	18x2x4x10-0	18x2x4x10-0	18x2x4x10-0
3 rd COVER PLATE	18x2x4x10-0	18x2x4x10-0	18x2x4x10-0	18x2x4x10-0	18x2x4x10-0

**TYPICAL GIRDER - EAST SIDE
WEST SIDE - OPPOSITE HAND
(FOR MAIN MATERIAL SEE SCHEDULE)
SCALE 1/2" = 1'-0"**

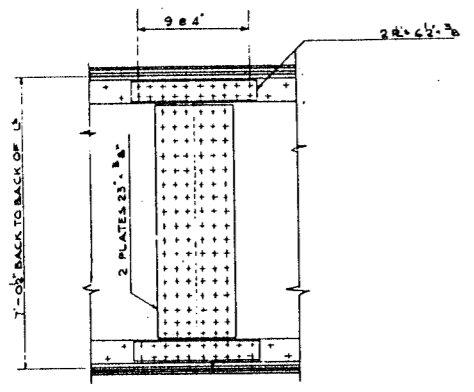
NOTE: PROVIDE HOLES IN EXTERIOR STIFFENERS OF GIRDERS PF 1E, PF 1W, PF 4E & PF 4W FOR REINFORCING BARS. (SEE SECTIONS D-D, E-E, B-B & C-C SH. NO. 5-59)



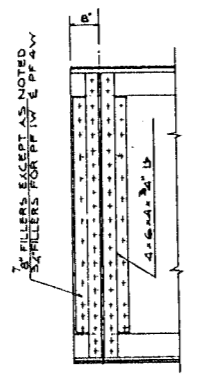
**SHOE FOR PF 4W
SCALE 1/2" = 1'-0"**



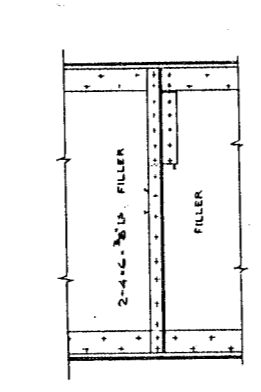
**PF 1E - WEST
END DETAIL
SCALE 1/2" = 1'-0"**



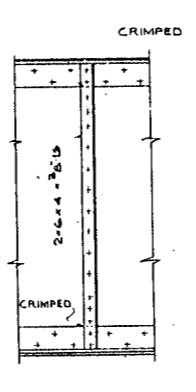
**TYPICAL SPLICE
SCALE 1/2" = 1'-0"**



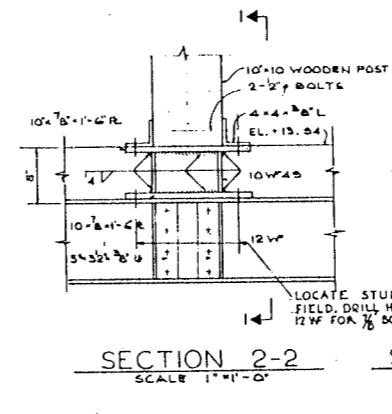
**TYPICAL END
SCALE 1/2" = 1'-0"**



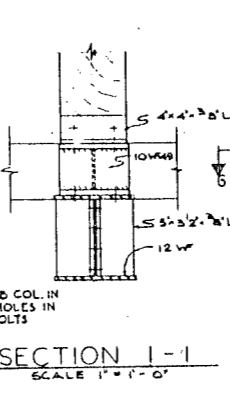
**TYPICAL STIFFENER AT BEAM CONNECTION WITHOUT BEAM CONNECTION
SCALE 1/2" = 1'-0"**



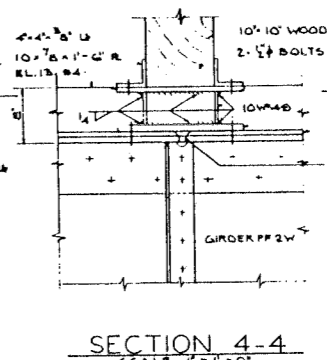
**TYPICAL STIFFENER
SCALE 1/2" = 1'-0"**



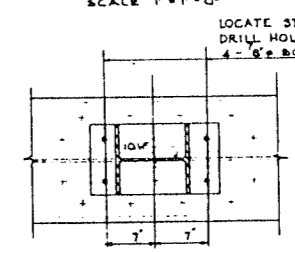
**SECTION 2-2
SCALE 1/2" = 1'-0"**



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

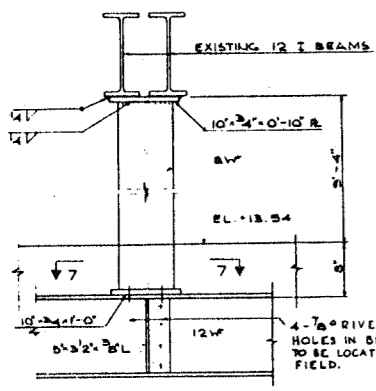


**SECTION 4-4
SCALE 1/2" = 1'-0"**

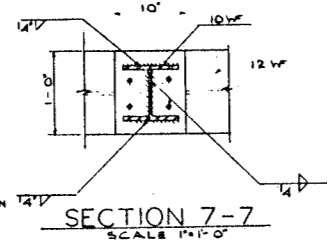


**SECTION 6-6
SCALE 1/2" = 1'-0"**

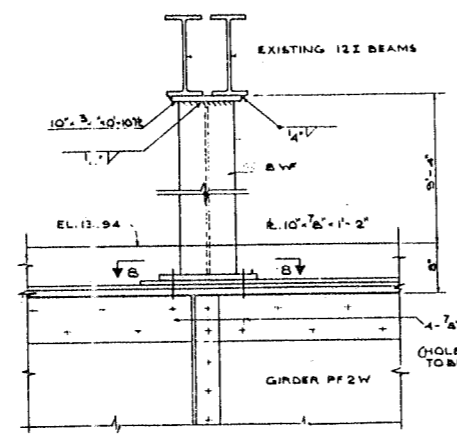
NOTE: FOR LOCATION OF SECTIONS 2-2, 3-3, 4-4 & 6-6, SEE SH. 5-60



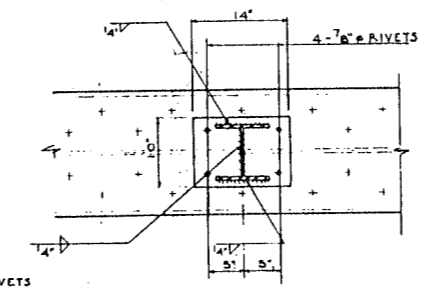
**SECTION 3-3
SCALE 1/2" = 1'-0"**



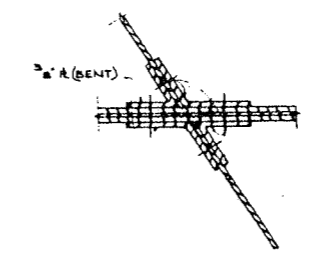
**SECTION 7-7
SCALE 1/2" = 1'-0"**



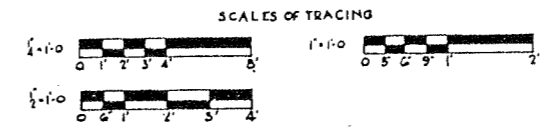
**SECTION 5-5
SCALE 1/2" = 1'-0"**



**SECTION 8-8
SCALE 1/2" = 1'-0"**



**TYPICAL SKEWED CONNECTION
SCALE 1/2" = 1'-0"**



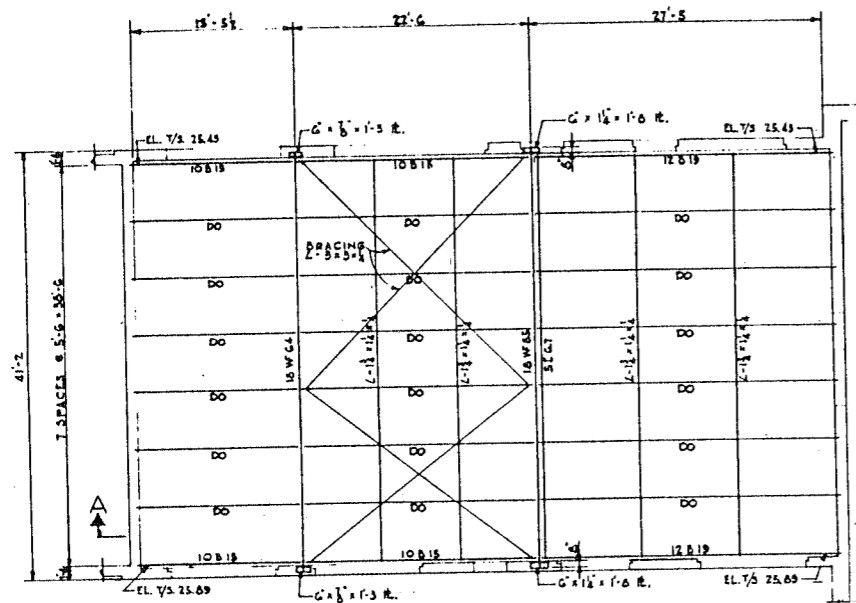
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
P.R.R. HALSTED ST. FREIGHT HOUSE
STRUCTURAL STEEL

SCALE: AS NOTED DATE: MARCH 19, 1967
SHEET NO. S-61 OF 134 SHEETS

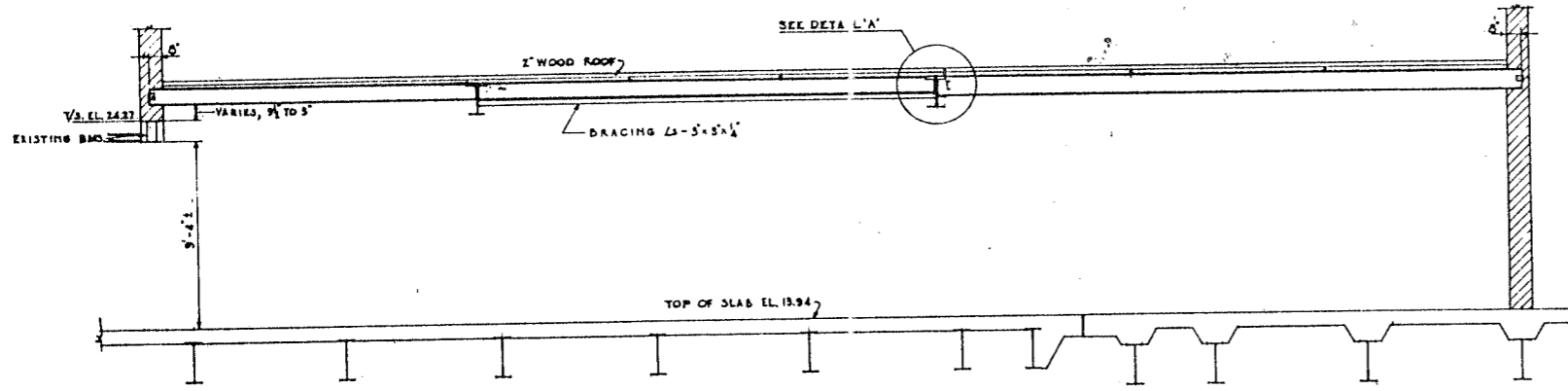
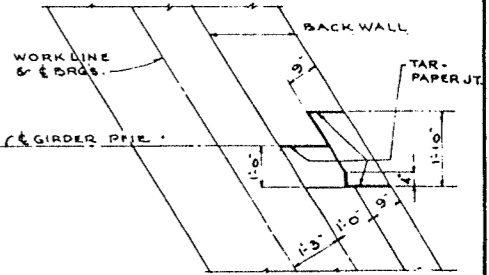
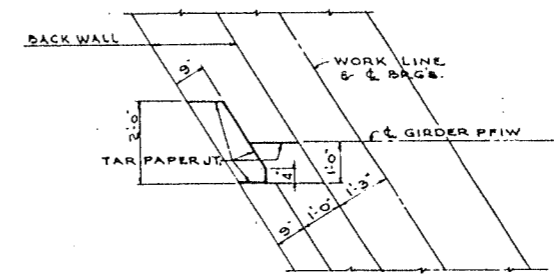
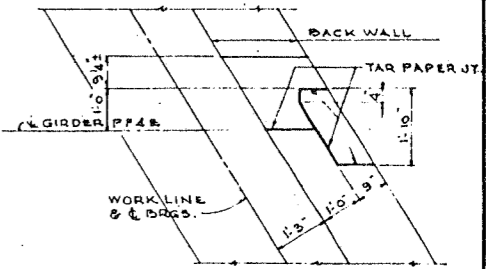
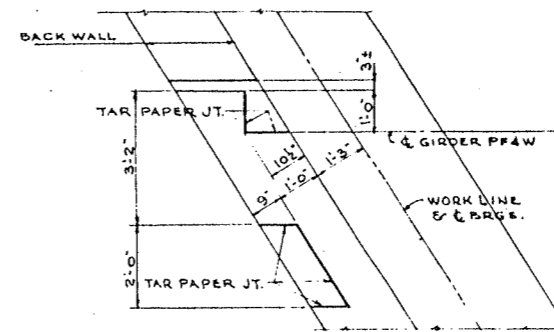
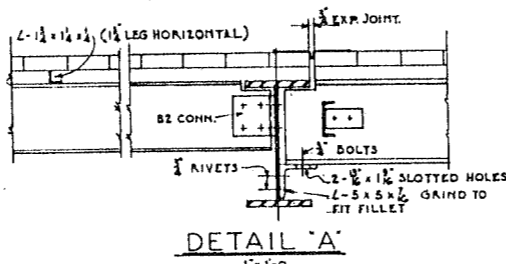
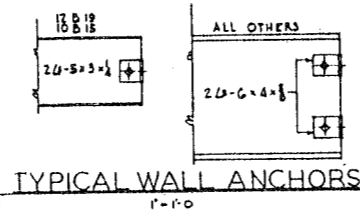
DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY E.S.M.
DRAWN BY J.S.
CHECKED B.A.J.
IN CHARGE

KE

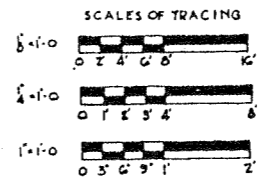
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1-2	0202.4-1	COOK	134	78
PREPARED BY: D.E. ALLEN	PROJECT: 02-1581			



ROOF-FRAMING PLAN
1/8" = 1'-0"



NOTE:
CONNECTIONS FOR PURLINS AND LATERALS
MAY BE 3/4\"/>

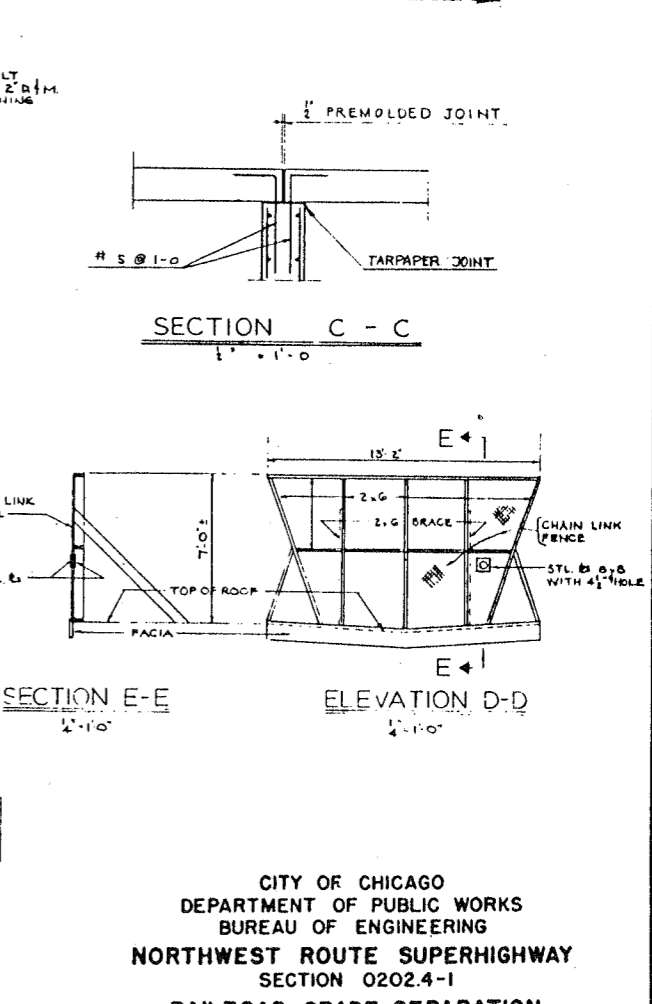
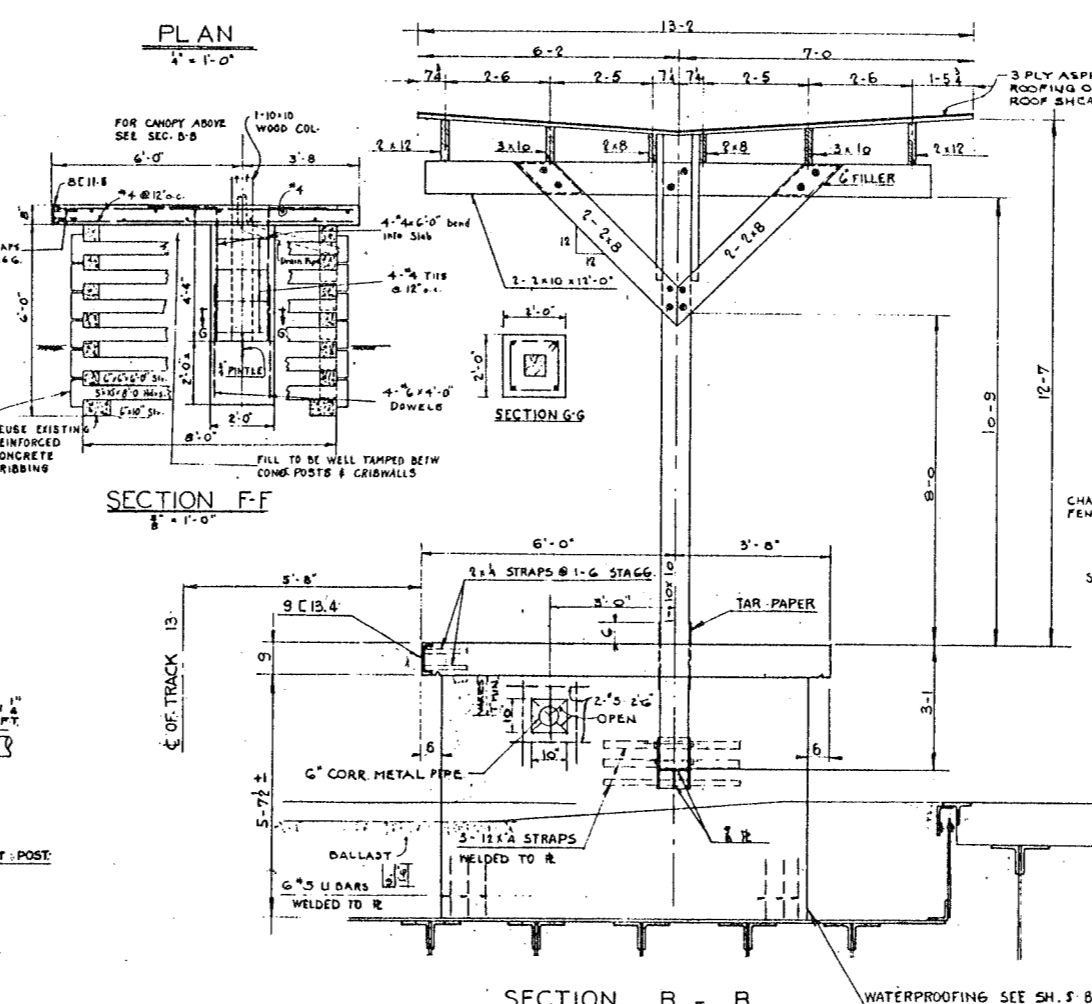
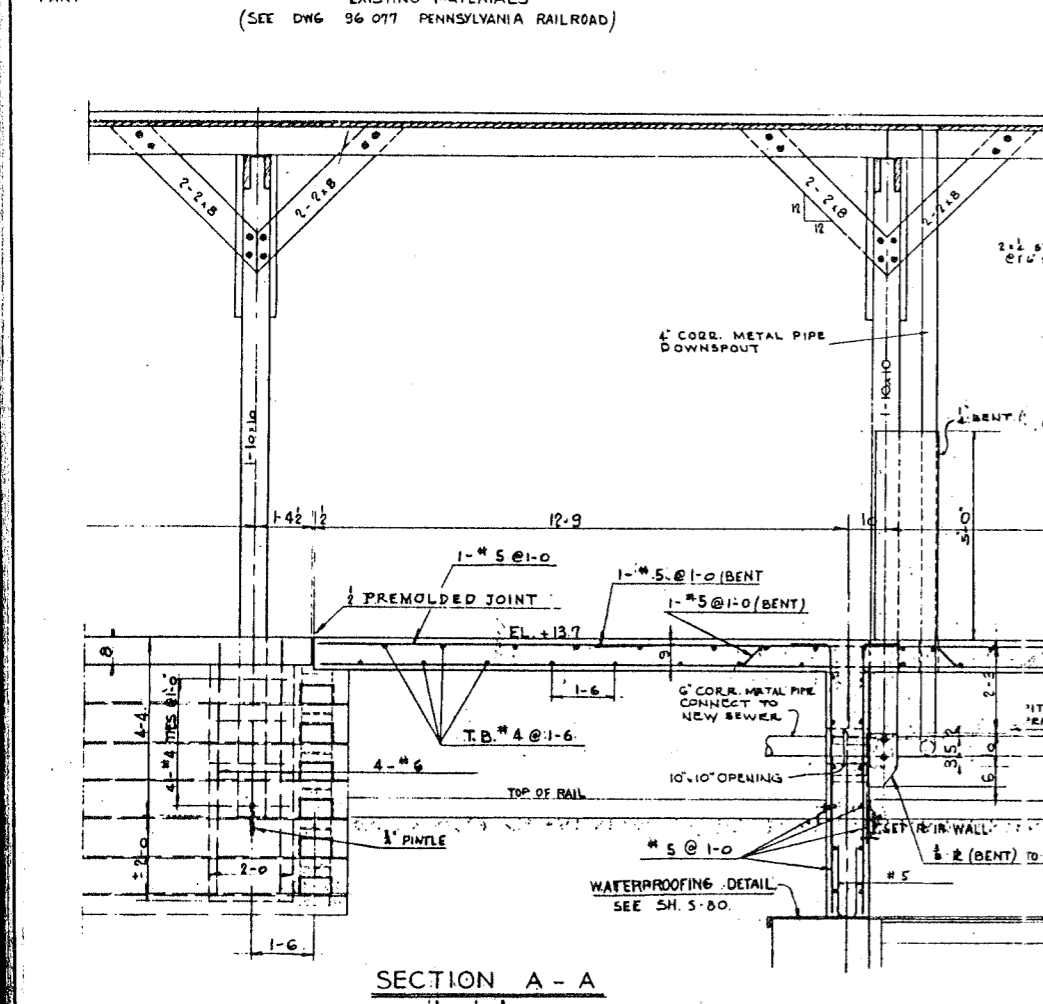
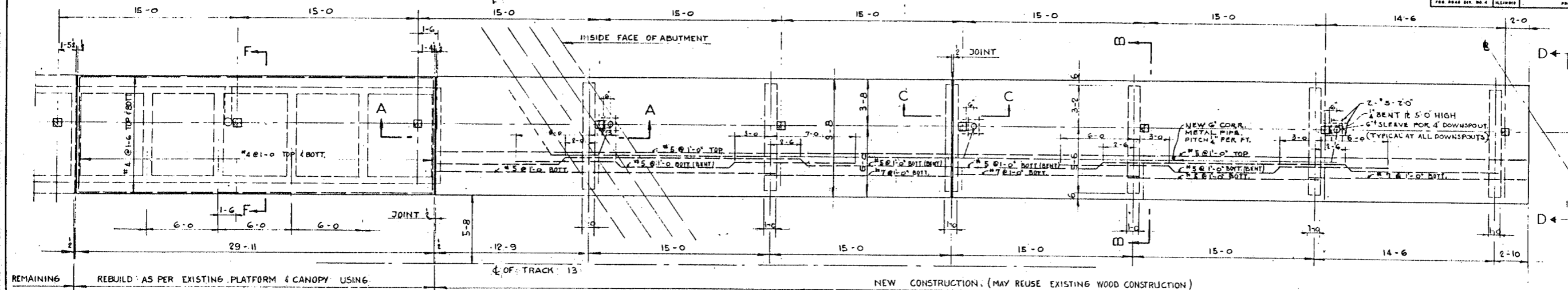


DE LEW, CATHY & CO. ENGINEERS
DESIGNED BY R.S.M.
DRAWN BY R.S.M.
CHECKED B.A.L.
IN CHARGE

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
P.R.R. HALSTED ST. FREIGHT HOUSE
ROOF FRAMING

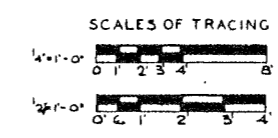
SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. 5-62 OF 134 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.8	0202.4-1	COOK	134	80
PER ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-02-21551		



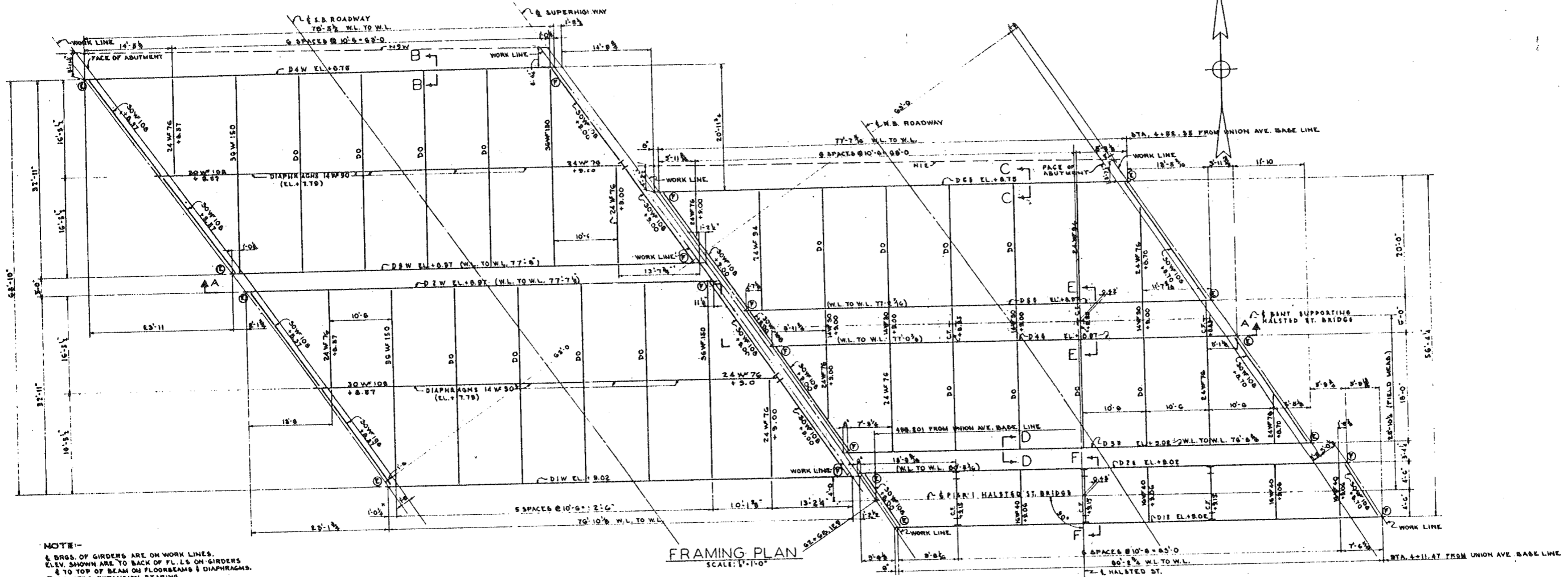
DE LEUW, CATHY & CO. ENGINEERS
 DESIGNED BY R.S.M.
 DRAWN BY R.S.M.
 CHECKED R.A.L.
 IN CHARGE [Signature]

NOTES:
 CONCRETE PROTECTION: (2" IN WALLS, 1 1/2" IN SLABS)
 TIMBER TO BE IN ACCORDANCE WITH A.R.E.A. SPECIFICATIONS.



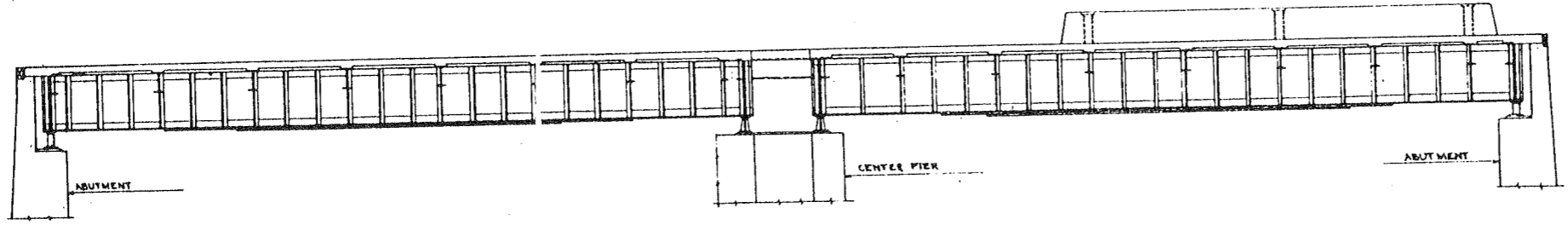
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 P.R.R. HALSTED ST PLATFORM
 AT TRACK 13
 SCALE: AS NOTED
 DATE: MARCH 19, 1957
 SHEET NO. 5-63 OF 134 SHEETS
 (KE)

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.2	COOK	134	81
PROJECT 1-02-1957			



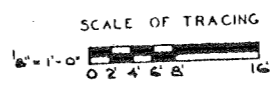
NOTE:-
 1. BRGS. OF GIRDERS ARE ON WORK LINES.
 2. ELEV. SHOWN ARE TO BACK OF PL. L.S. ON GIRDERS
 3. & TO TOP OF BEAM ON FLOORBEAMS & DIAPHRAGMS.
 4. (C) DEMOTES EXPANSION BEARING.
 5. (F) DEMOTES FIXED BEARING.
 6. FOR GIRDER DETAILS SEE BH. NO. 5-65
 7. FOR BEARING DETAILS SEE BH. NO. 5-62 & 5-64
 8. FOR BEC. B-C THRU F-F SEE CH. 5-66
 9. GIRDER DIMENSIONS ARE CALCULATED FROM
 WORK LINE TO WORK LINE.

FRAMING PLAN
 SCALE: 1/4"=1'-0"



SECTION A - A
 SCALE: 1/4"=1'-0"

STATIONS FROM UNION AVE. BASE LINE
 ARE MEASURED ON E. OF PIER 1 HALSTED ST. BRIDGE.

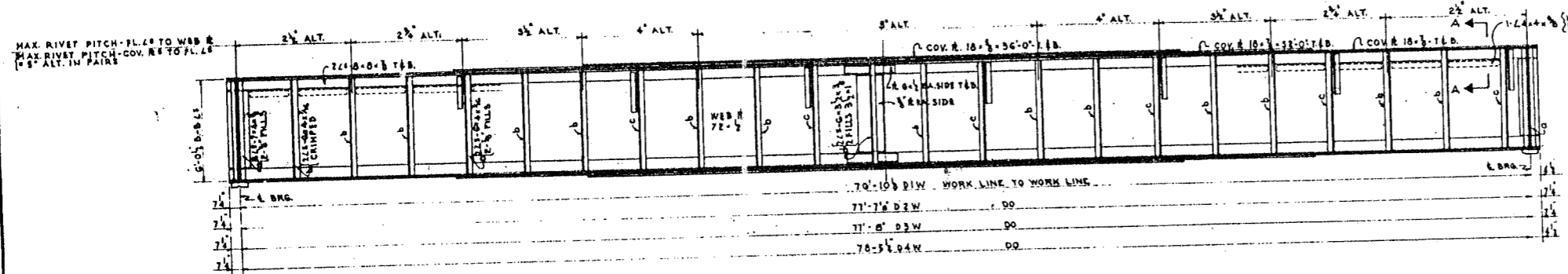


DE LEUW, CATHER & CO. ENGINEERS
 DESIGNED BY H.W.L.
 DRAWN BY H.W.L.
 CHECKED R.S.M. & A.L.
 IN CHARGE *[Signature]*

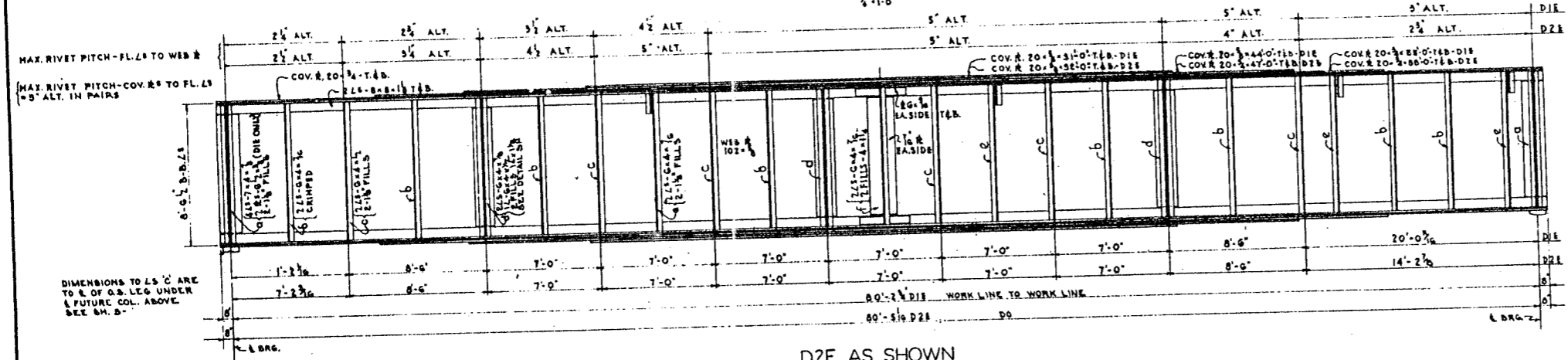
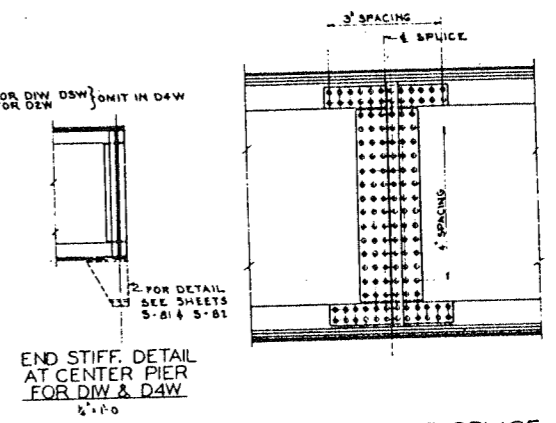
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 DRIVEWAY SOUTH OF KINZIE ST.
 FRAMING PLAN

SCALE: AS NOTED
 SHEET NO. 5-64 OF 134 SHEETS
 DATE: MARCH 19, 1957

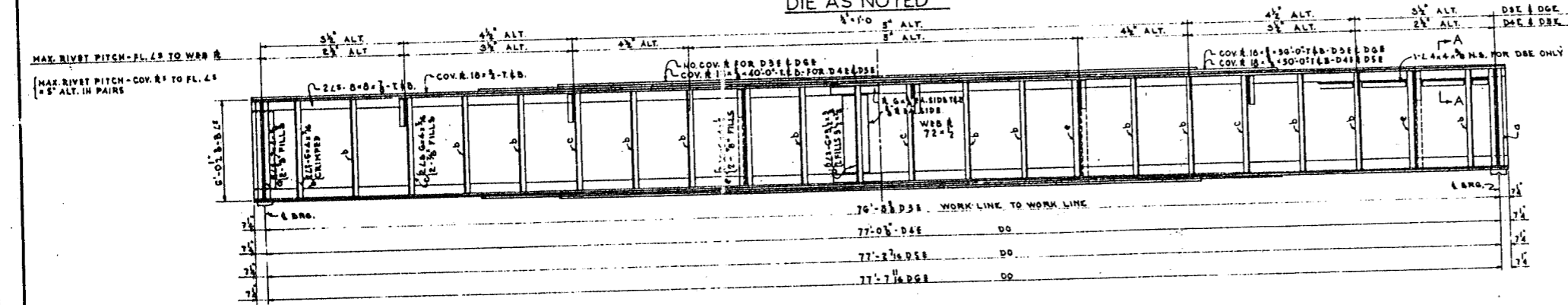
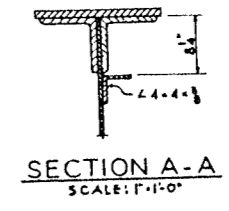
DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 178	0202.4-1	COOK	134	82
DES. BY	CHKD. BY	APPROV.	PROJECT NO. 202.4-1	



D2W AS SHOWN
DIW - D3W - D4W AS NOTED
 1/2-1-0

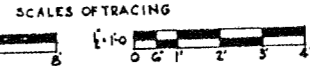


D2E AS SHOWN
DIE AS NOTED
 1/2-1-0



D4E AS SHOWN
D3E - D5E - D6E AS NOTED
 1/2-1-0

ALL COV. R. CUTOFFS SYMMETRICAL ABOUT L GIRDER FOR FLOOR BEAM SPACING SEE FRAMING PLAN SH. NO. 5-64 FOR BEARINGS SEE SH. NO. 5-B1, 5-B2 & 5-64 FOR EXTENT OF FILLS UNDER END BEARING STIFFENERS SEE END FLOOR BEAM DETAILS SH. NO. 5-66 RIVETS 3/8" (SHOP & FIELD RIVETED) UNLESS NOTED. HOLES 1/2" UNLESS NOTED.



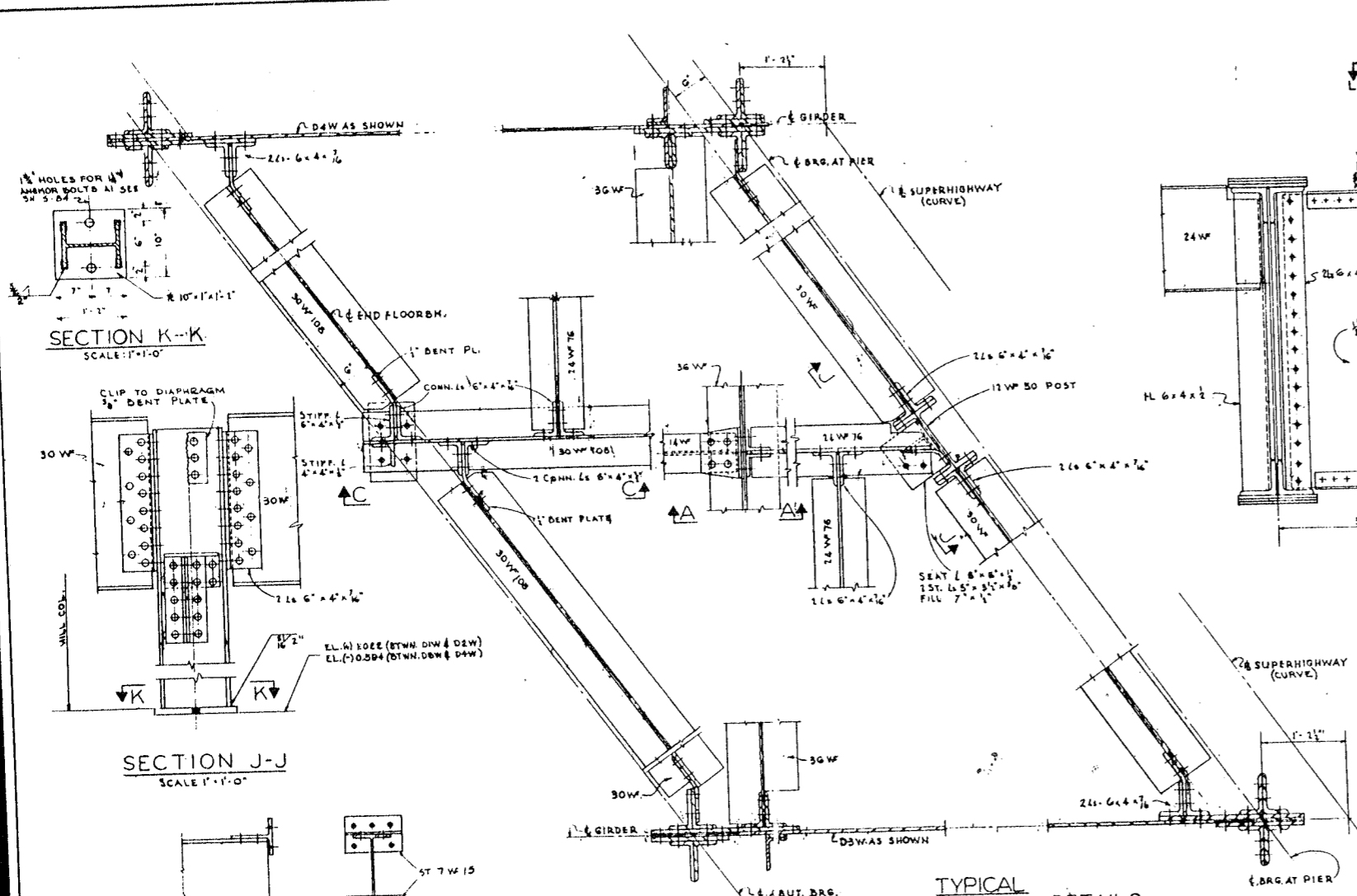
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 DRIVEWAY SOUTH OF KINZIE ST.
 STRUCTURAL STEEL

DE LEUW, CATHER & CO. ENGINEERS
 DESIGNED BY M.H.L.
 DRAWN BY A.L.S.
 CHECKED R.S.H. & B.A.L.
 IN CHARGE [Signature]

SCALE: AS NOTED
 DATE: MARCH 19, 1907
 SHEET NO. 5-65 OF 134 SHEETS

(KE)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	83
PER. ROAD DIV. DR. 2		ILLINOIS		PROJECT NO. 2-202-1



SECTION K-K
SCALE: 1"=1'-0"

SECTION J-J
SCALE: 1"=1'-0"

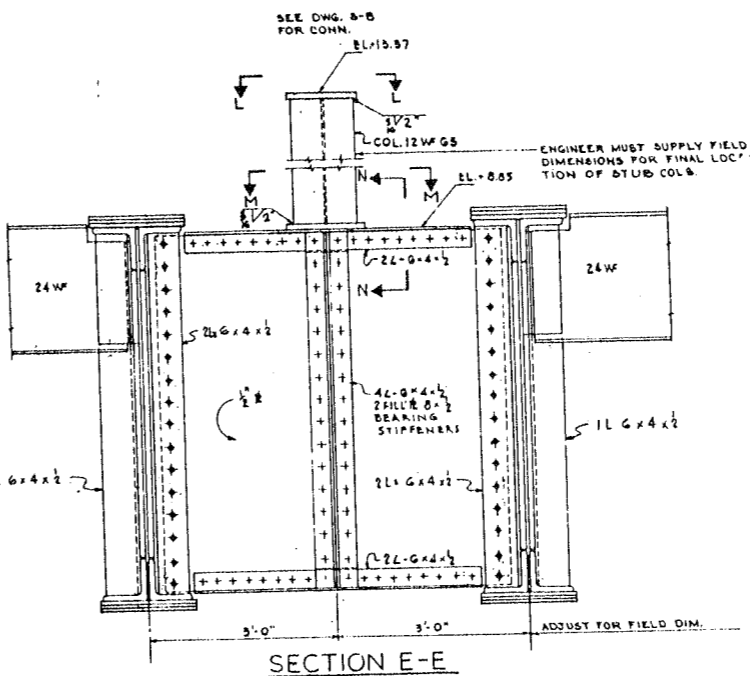
DETAIL OF TYP. DIAPHRAGM CONNECTIONS
SCALE: 1"=1'-0"

SECTION C-C
SCALE: 1"=1'-0"

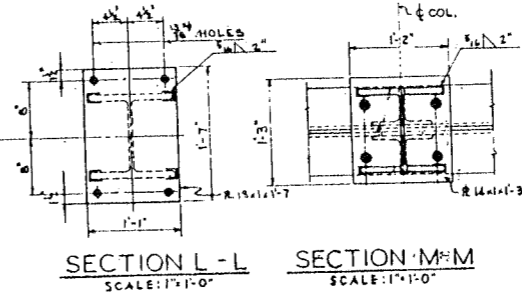
SECTION A-A
SCALE: 1"=1'-0"

SECTION B-B
SCALE: 1"=1'-0"

TYPICAL END FLOOR BEAM DETAILS
SCALE: 1"=1'-0"



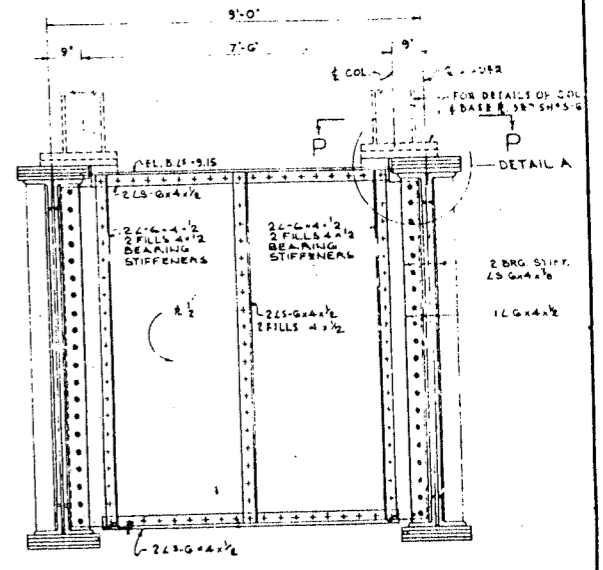
SECTION E-E
SCALE: 3/4"=1'-0"



SECTION L-L
SCALE: 1"=1'-0"

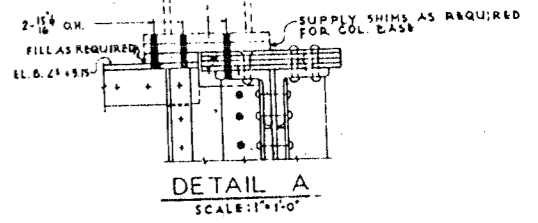
SECTION M-M
SCALE: 1"=1'-0"

SECTION N-N
SCALE: 1"=1'-0"



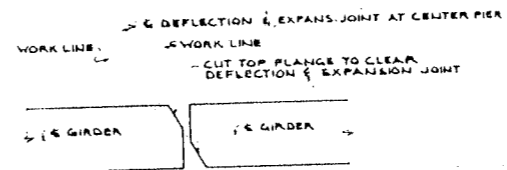
SECTION F-F
SCALE: 1/2"=1'-0"

SECTION P-P
SCALE: 1"=1'-0"

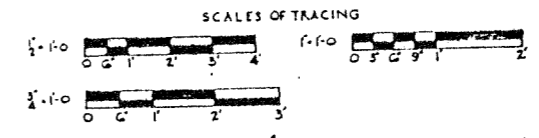


DETAIL A
SCALE: 1"=1'-0"

NOTE:
FOR LOCATION OF SEC. B-B, E-E, & F-F
SEE FRAMING PLAN SH. S-64
FOR BEARING DETAILS SEE SH. S-61, S-62 & S-64
OPEN HOLES UNLESS NOTED.
RIVETS 3/8" UNLESS NOTED.



DETAIL OF TOP FLANGE OF GIRDER AT CENTER PIER

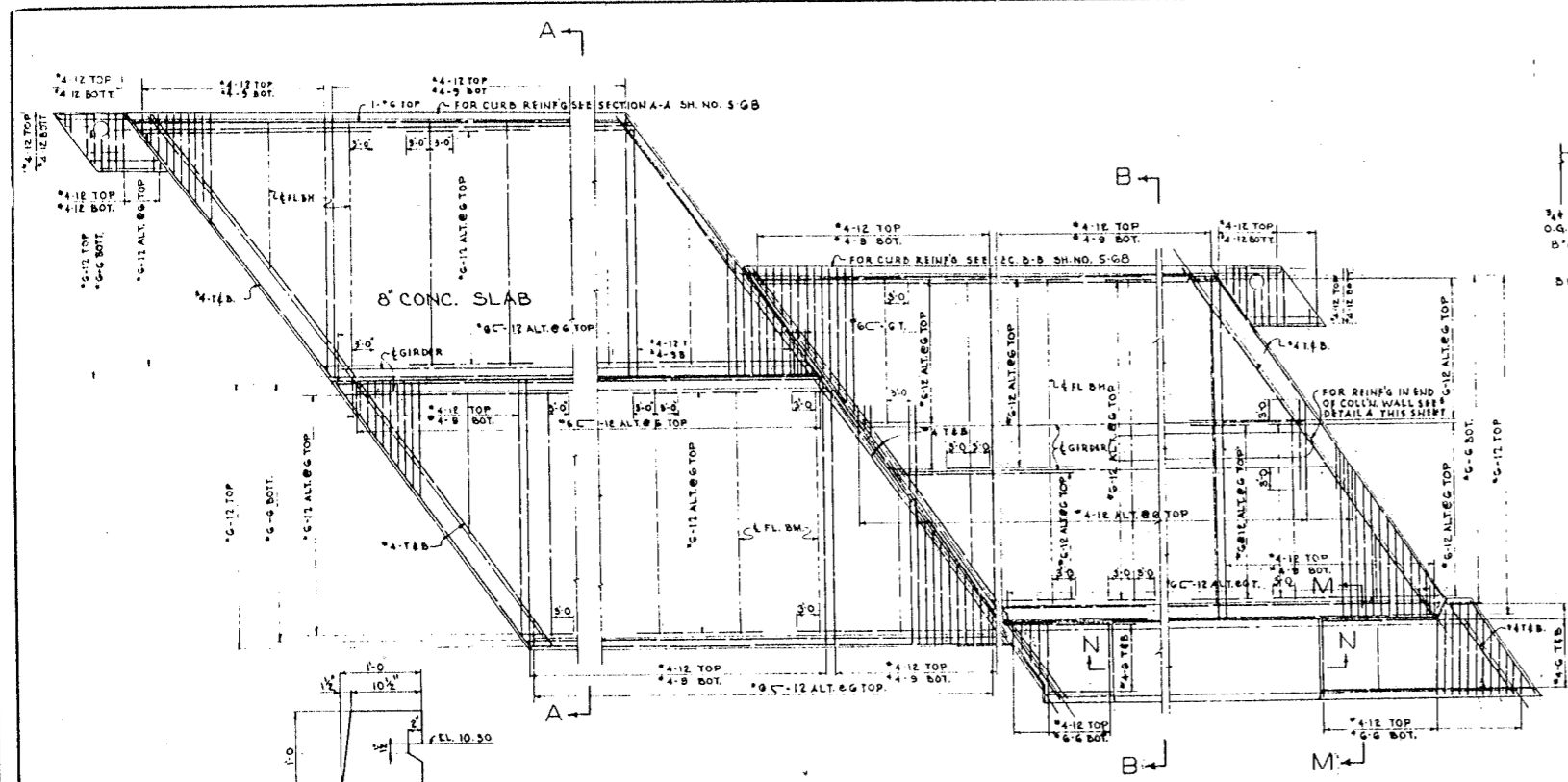


DE LEW, CATHY & CO. ENGINEERS
DESIGNED BY H.W.L.
DRAWN BY A.L.R.
CHECKED R.S.M. & B.A.L.
IN CHARGE [Signature]

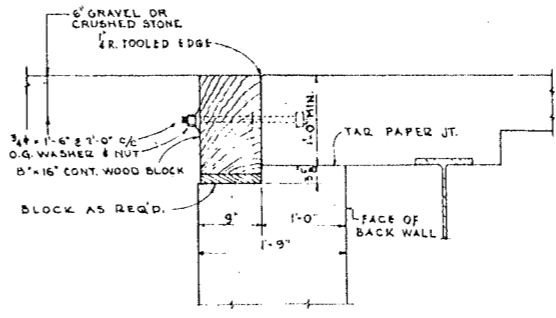
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
DRIVEWAY SOUTH OF KINZIE ST.
STRUCTURAL STEEL

SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. 5-66 OF 134 SHEETS

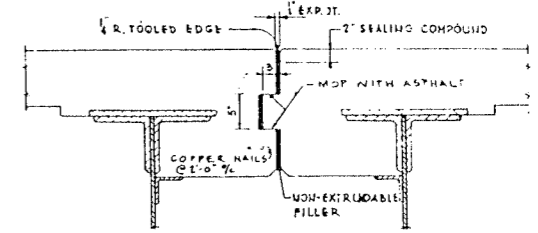
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 12	0202.4-1	COOK	134	84
FED. ROAD DIST. NO. 4	ILLINOIS	PROJECT - 88-2007		



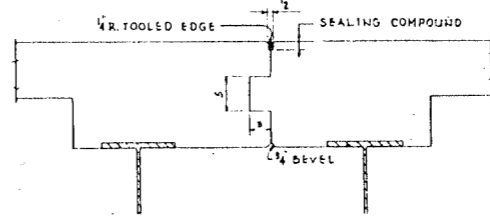
PLAN - DECK REINFORCING



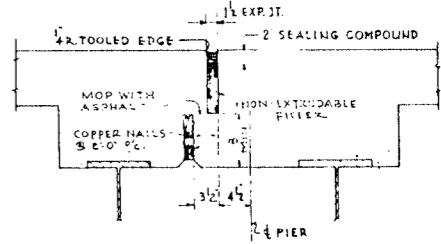
SECTION C-C
SCALE: 1"=1'-0"



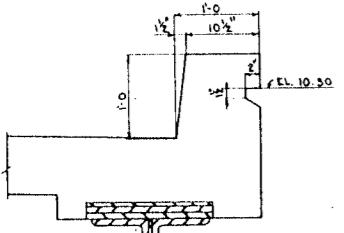
SECTION D-D
SCALE: 1"=1'-0"



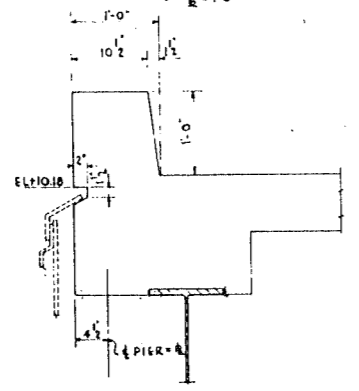
SECTION E-E
SCALE: 1"=1'-0"



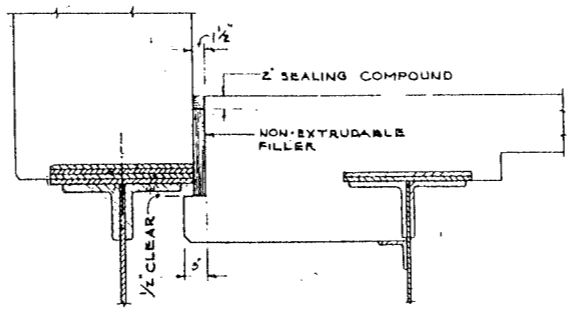
SECTION F-F
SCALE: 1"=1'-0"



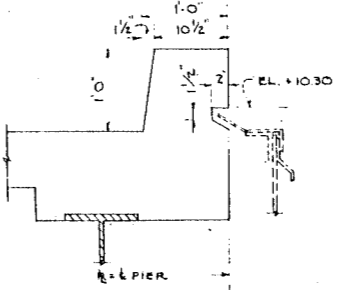
SECTION R-R
SCALE: 1"=1'-0"



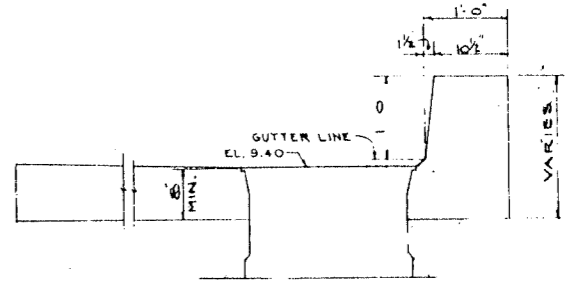
SECTION H-H
SCALE: 1"=1'-0"



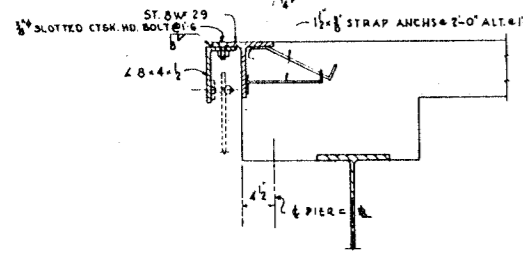
SECTION J-J
SCALE: 1"=1'-0"



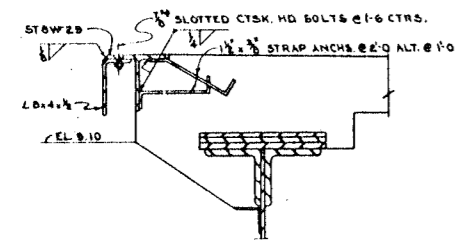
SECTION L-L
SCALE: 1"=1'-0"



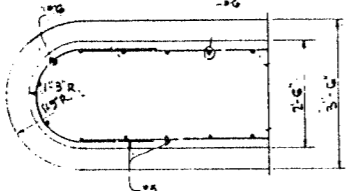
SECTION P-P
SCALE: 1"=1'-0"



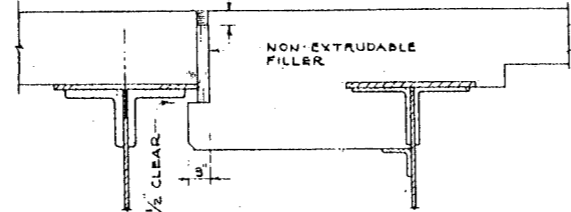
SECTION G-G
SCALE: 1"=1'-0"



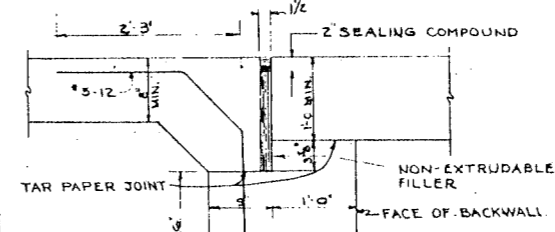
SECTION S-S
SCALE: 1"=1'-0"



DETAIL A
SCALE: 1"=1'-0"



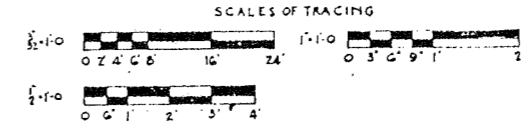
SECTION K-K
SCALE: 1"=1'-0"



SECTION Q-Q
SCALE: 1"=1'-0"

NOTE:
1. FOR SEC. A-A, B-B, M-M, & N-N SEE SH. S-68
2. FOR LOCATION OF SEC. C-C, THRU L-L, & P-P THRU S-S SEE SH. G-11

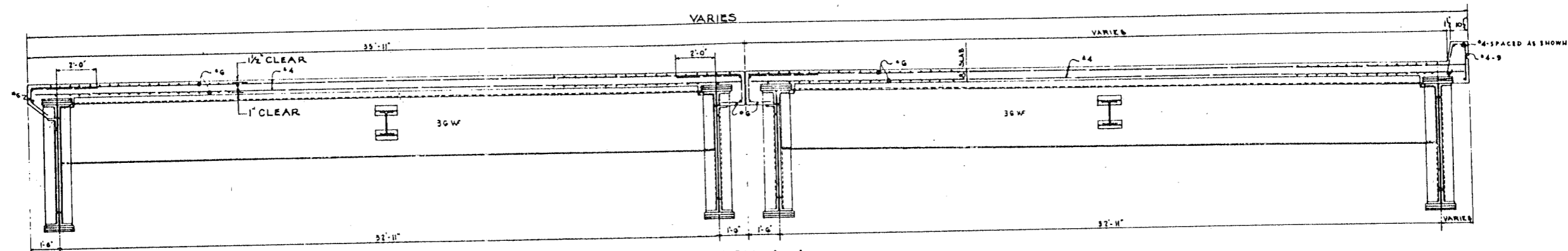
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
DRIVEWAY SOUTH OF KINZIE ST.
REINFORCED CONCRETE DECK PLAN (KE)



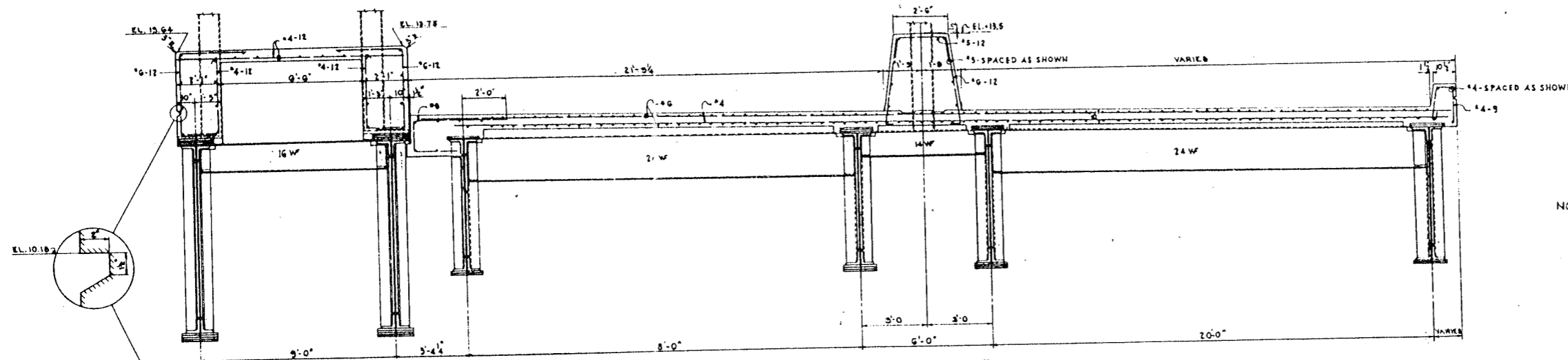
SCALE: AS NOTED
DATE: MARCH 10, 1967
SHEET NO. S-67 OF 134 SHEETS

DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY H.W.L.
DRAWN BY A.L.B.
CHECKED R.G.M.B.A.L.
IN CHARGE [Signature]

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 2	0202.4-1	COOK	134	85
DESIGNED BY		DRAWN BY		CHECKED
H.W.L.		A.L.B.		R.G.M. R.A.L.
IN CHARGE				

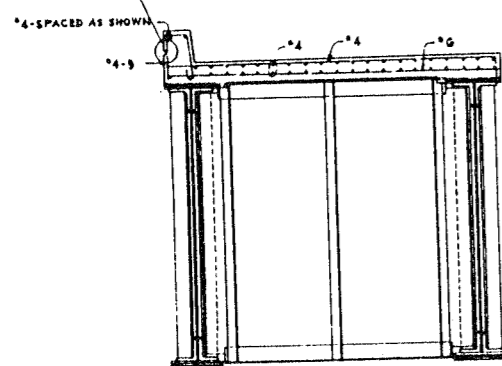
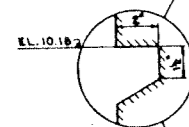


SECTION A-A
SCALE: 1/8"=1'-0"

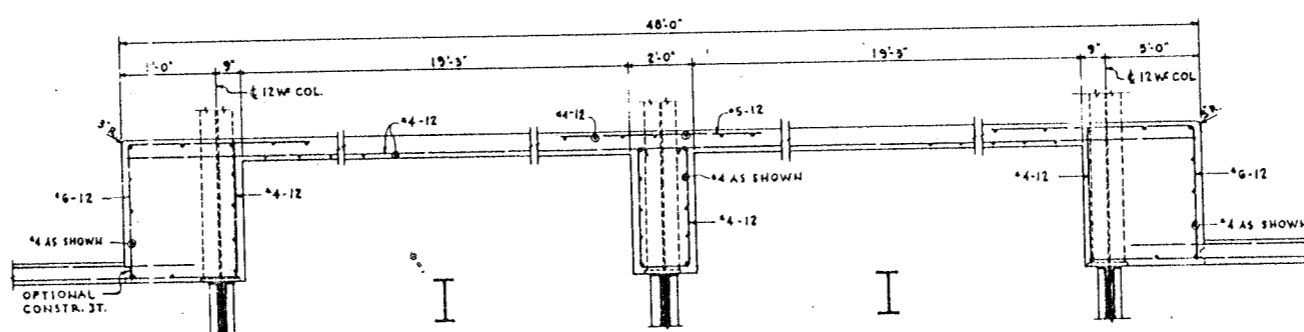


SECTION B-B
SCALE: 1/8"=1'-0"

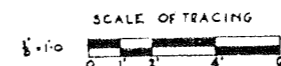
NOTE:
FOR LOCATION OF SEC. A-A, B-B,
M-M & N-N SEE REINFORCING
PLAN SH. 8-67



SECTION M-M
SCALE: 1/8"=1'-0"



SECTION N-N
SCALE: 1/8"=1'-0"



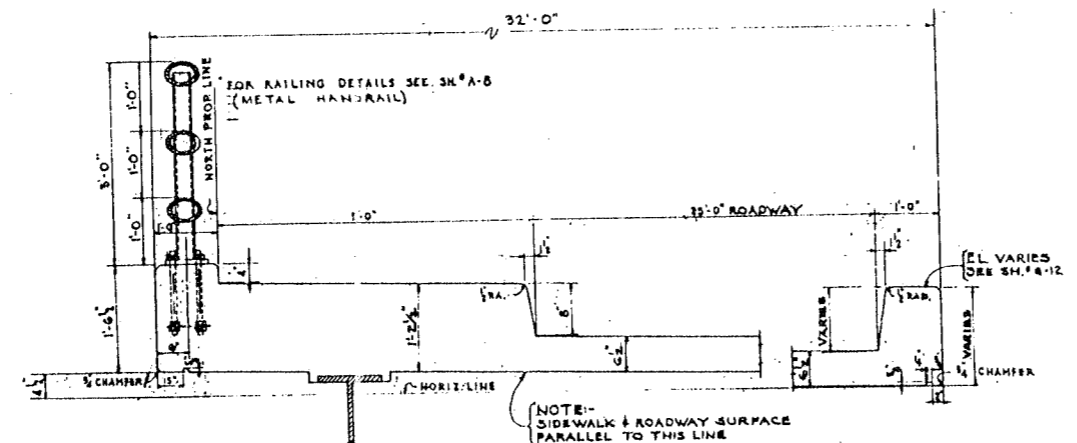
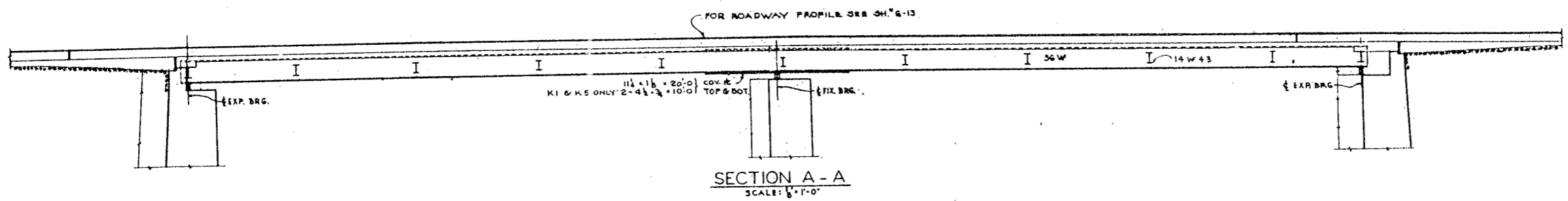
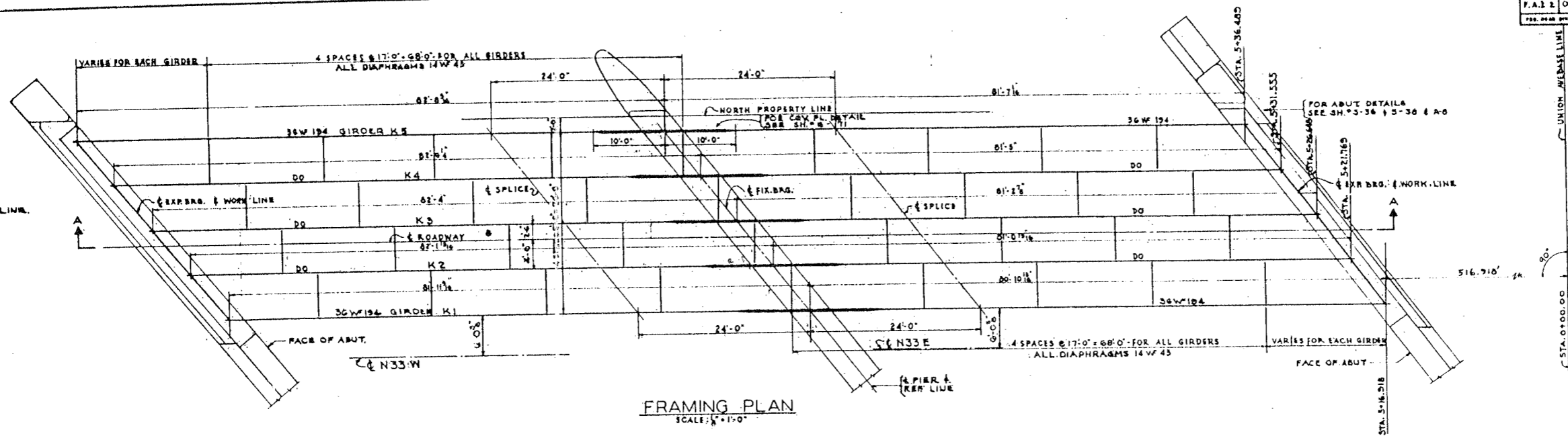
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
DRIVEWAY SOUTH OF KINZIE ST.
CONCRETE DECK SECTIONS

SCALE: AS NOTED DATE: MARCH 19, 1957
SHEET NO. 5-68 OF 134 SHEETS

DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY H.W.L.
DRAWN BY A.L.B.
CHECKED R.G.M. R.A.L.
IN CHARGE

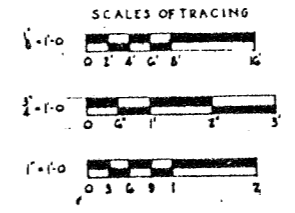
NOTE NO.	SECTION	QUANTITY	TOTAL	PRICE
F.A.I. 2	0202.4-1	COOK	134	86
F.A.I. 2		0202.4-1	COOK	134
F.A.I. 2		0202.4-1	COOK	134

NOTE:-
STRINGERS ARE
PERPENDICULAR TO
UNION AVE. BARE LINE.



NOTE:-
STRINGER LENGTHS SHOWN ON THE FRAMING
PLAN ARE CALCULATED BETWEEN CURVES
SHOWN AS WORK LINES OR & PIER. STRINGERS
MAY BE DETAILED WITH A REASONABLE
VARIATION FROM THEORETICAL WORK LINES.
MATERIAL
STRUCTURAL STEEL A.S.T.M. A7 EXCEPT AS FOLLOWS:
36W194 AND WELDED FLANGE PLATES
FOR MORE IN THICKNESS TO BE A.S.T.M. A373-54T.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
KINZIE ST. BRIDGE
FRAMING PLAN

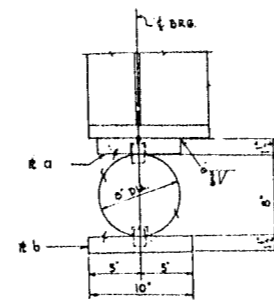
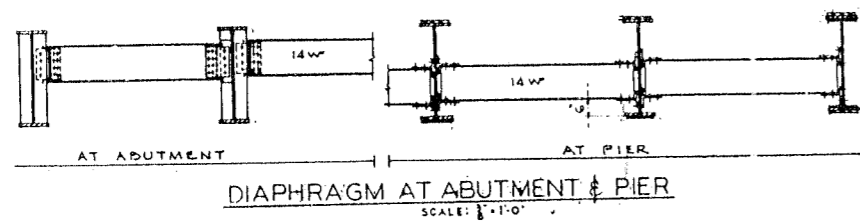
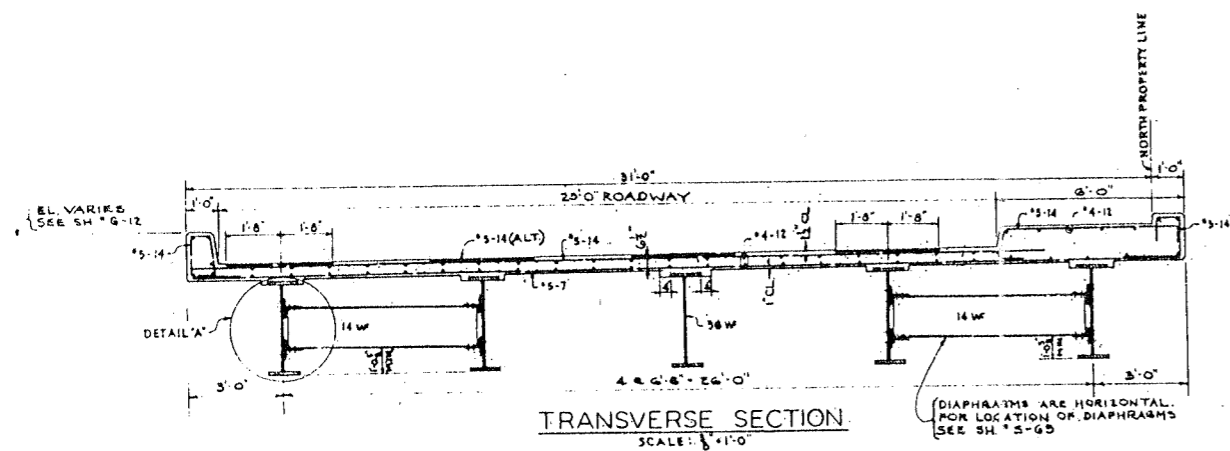


DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY A.S.
DRAWN BY A.L.B.
CHECKED R.E. KRAL
IN CHARGE

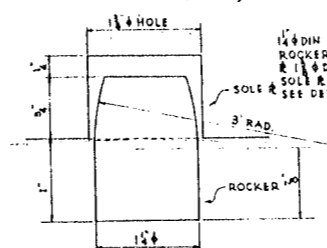
SCALE: AS NOTED
DATE: MAY 1914
SHEET NO. 5-69 OF 134 SHEETS



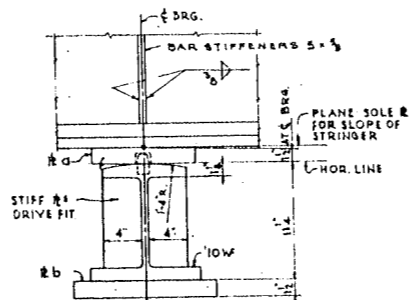
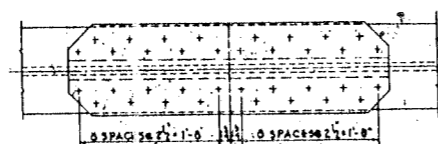
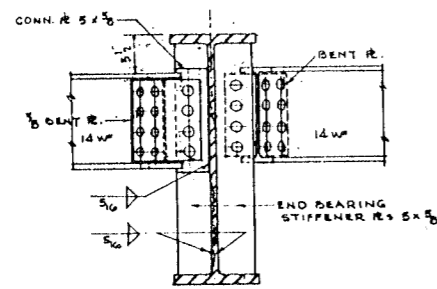
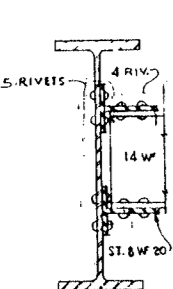
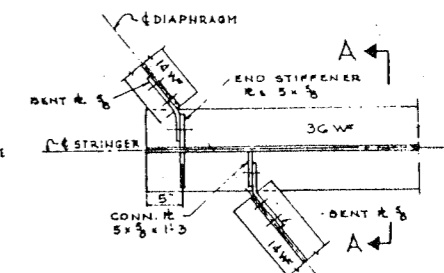
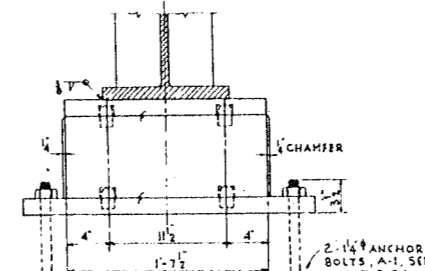
NOTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.R.	0202.4-1	COOK	134	67
DESIGNED BY	ALB	CHECKED BY	SEN	IN CHARGE



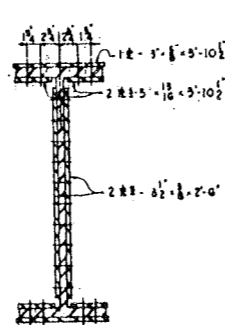
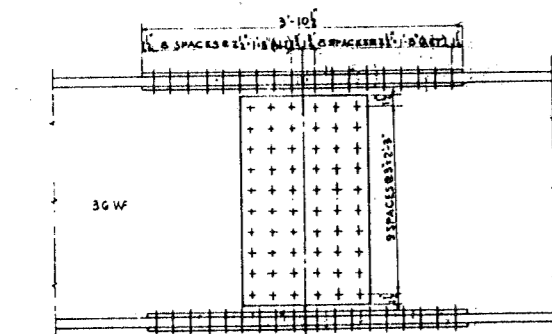
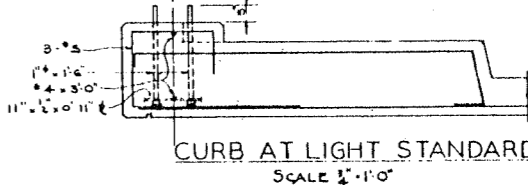
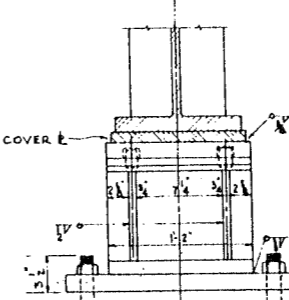
MATERIAL:
PLATE 8" x 12" x 1/2"
PLATE 6" x 12" x 1/2"
ROLLER 6" x 12" x 1/2"
PINS 1 1/4" x 1 1/2"
2 ANCHOR BOLTS 1 1/2" x 1 1/2" (SWEDEN)



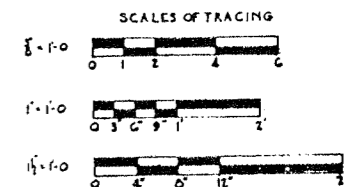
EXPANSION BEARING AT ABUTMENTS
SCALE: 1/2" = 1'-0"



MATERIAL:
PLATE 8" x 12" x 1/2"
PLATE 6" x 12" x 1/2"
H-SEC. 10 W 11/2"
STIFF 4" x 3"
PINS 1 1/4" x 1 1/2"
2 ANCHOR BOLTS 1 1/2" x 1 1/2" (SWEDEN)



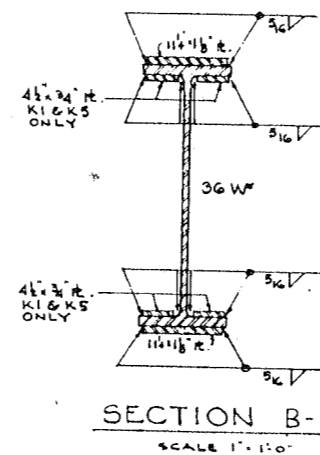
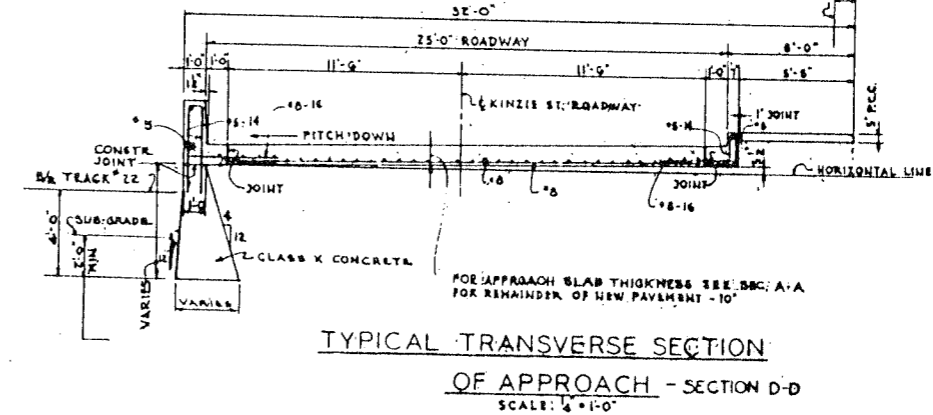
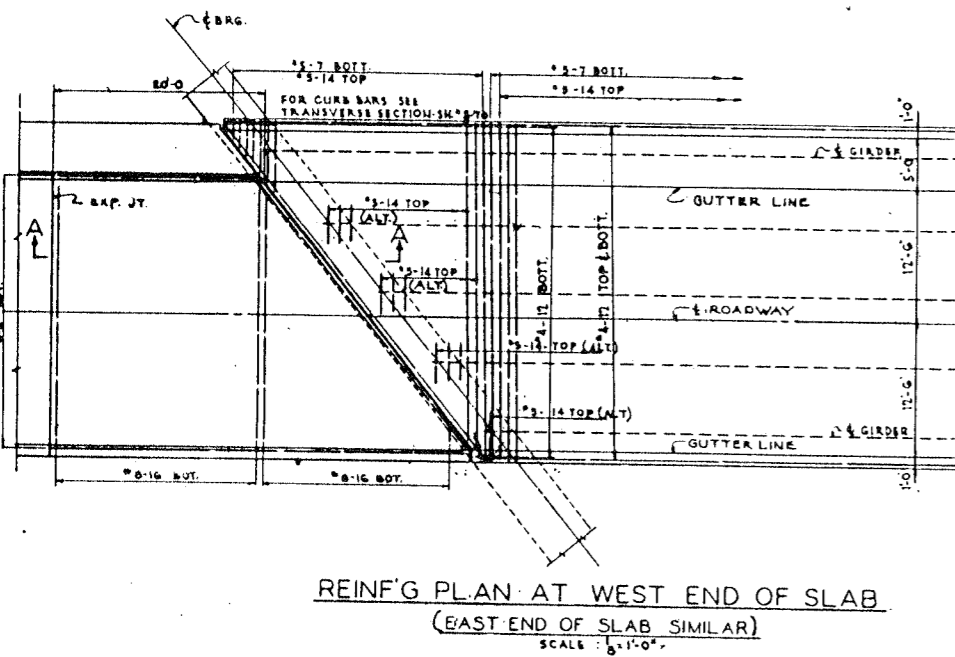
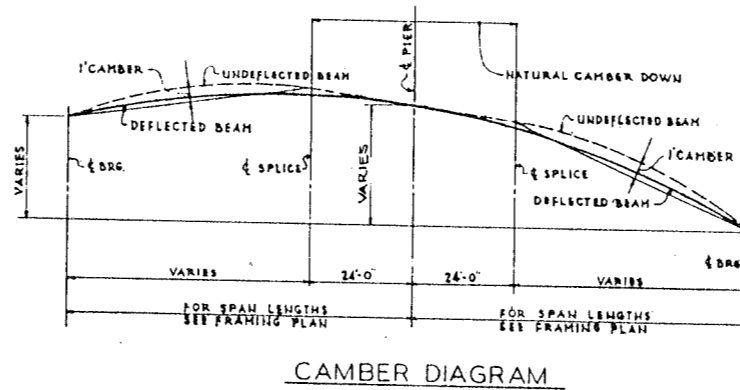
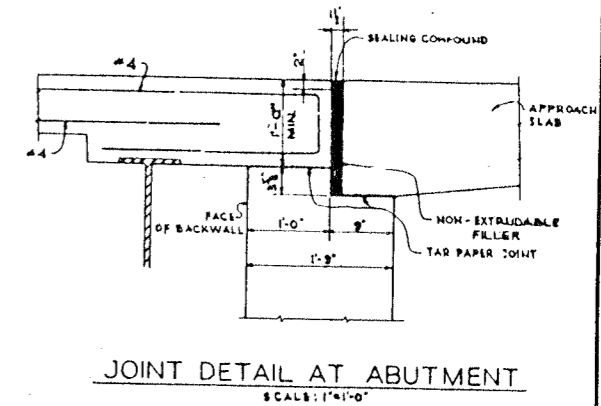
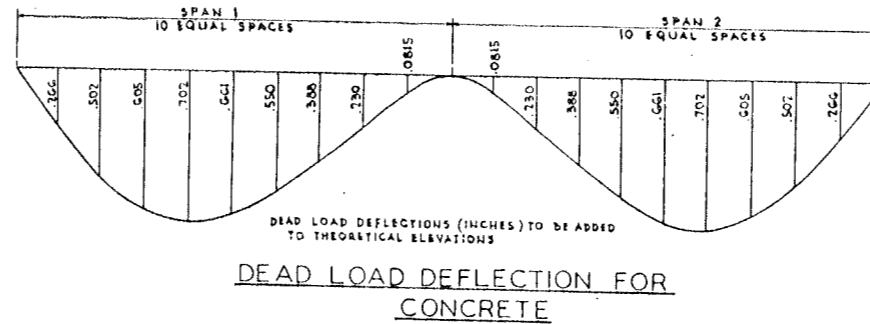
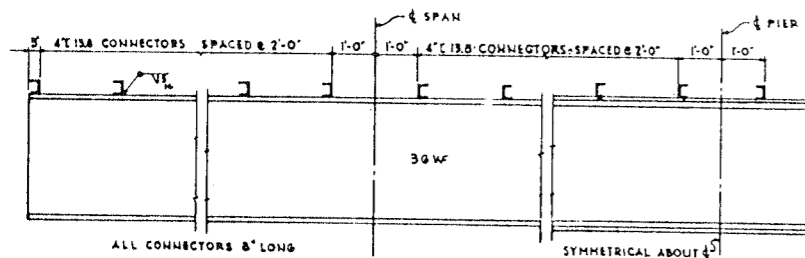
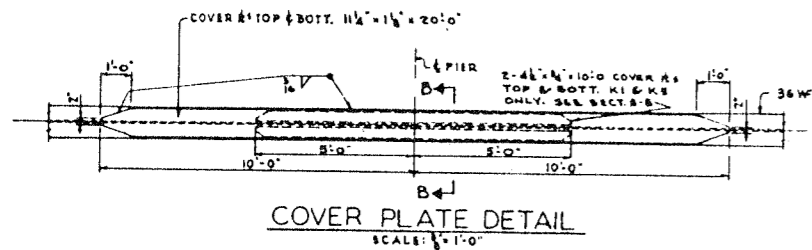
OPEN HOLES 1/2" UNLESS NOTED.
RIVETS 5/8"
FIELD CONNECTIONS RIVETED.



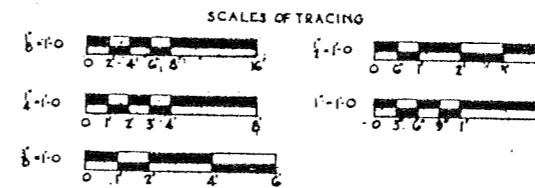
DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY ALB
DRAWN BY ALB
CHECKED BY SEN
IN CHARGE

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
KINZIE ST. BRIDGE
STRUCTURAL STEEL

SCALE: AS NOTED
DATE: MARCH 19, 1907
SHEET NO. 5-70 OF 134 SHEETS



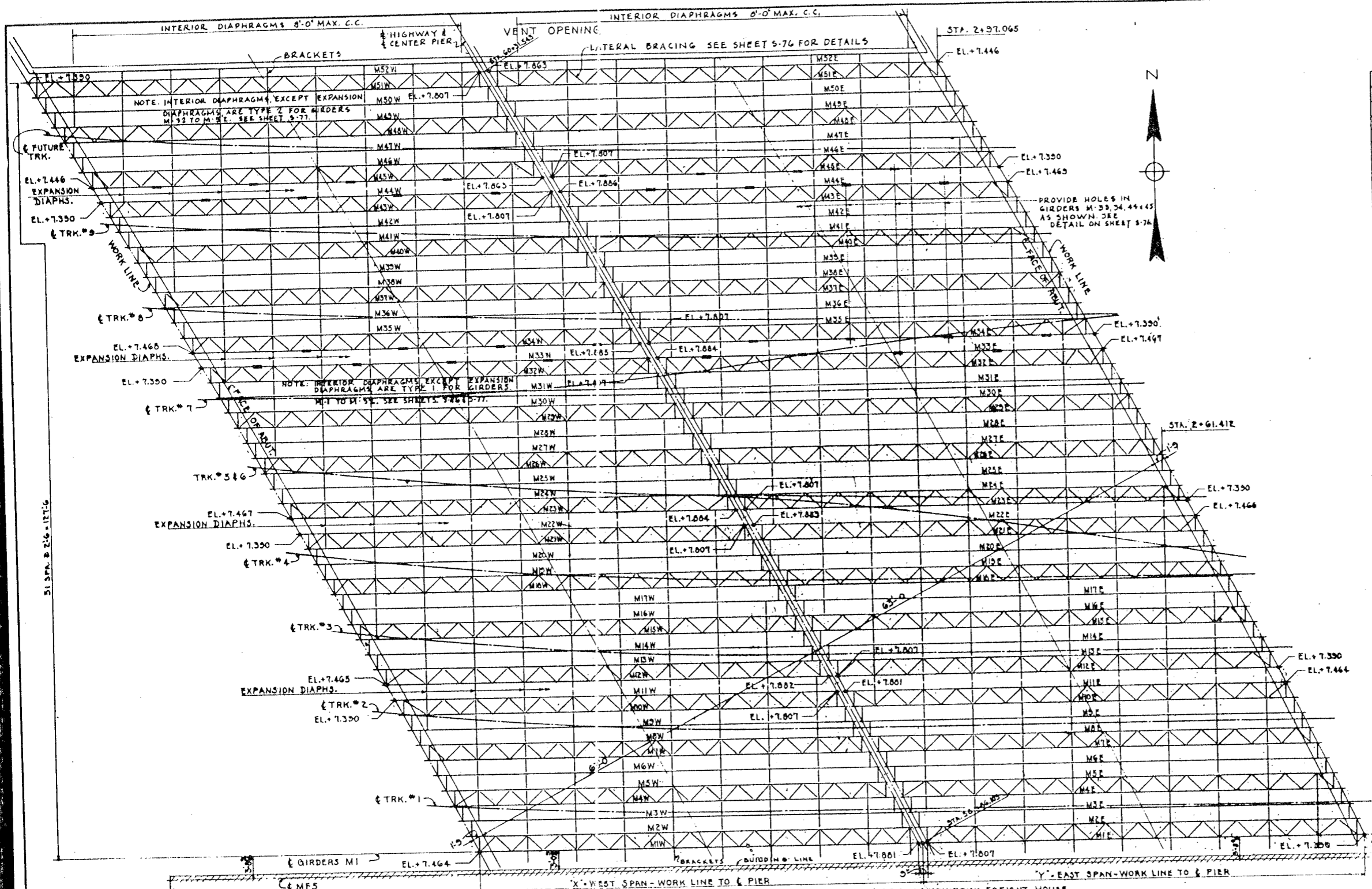
NOTE
FOR LOCATION OF SEC. D-D
SEE SH. G-13
FOR SECTION A-A
SEE SH. G-6



DE LEUW, CATHER & CO. ENGINEERS
DESIGNED BY: S.S.
DRAWN BY: A.L.B.
CHECKED: R.H.B.A.L.
IN CHARGE: [Signature]

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

KINZIE ST. BRIDGE
REINFORCED CONCRETE DECK PLAN
SCALE: AS NOTED
DATE: MARCH 19, 1987
SHEET NO. 5-71 OF 134 SHEETS



TRACK GIRDER SCHEDULE			
WEST SPAN		EAST SPAN	
MARK	"X"	MARK	"Y"
M1W	73.105'	M1E	72.676'
M2W	73.145'	M2E	72.712'
M3W	73.182'	M3E	72.747'
M4W	73.220'	M4E	72.783'
M5W	73.257'	M5E	72.818'
M6W	73.294'	M6E	72.854'
M7W	73.332'	M7E	72.889'
M8W	73.371'	M8E	72.925'
M9W	73.408'	M9E	72.961'
M10W	73.448'	M10E	72.996'
M11W	73.486'	M11E	73.032'
M12W	73.525'	M12E	73.068'
M13W	73.564'	M13E	73.105'
M14W	73.603'	M14E	73.142'
M15W	73.641'	M15E	73.178'
M16W	73.680'	M16E	73.215'
M17W	73.720'	M17E	73.252'
M18W	73.760'	M18E	73.289'
M19W	73.800'	M19E	73.326'
M20W	73.839'	M20E	73.364'
M21W	73.879'	M21E	73.401'
M22W	73.919'	M22E	73.438'
M23W	73.958'	M23E	73.477'
M24W	73.999'	M24E	73.515'
M25W	74.040'	M25E	73.553'
M26W	74.080'	M26E	73.591'
M27W	74.121'	M27E	73.628'
M28W	74.162'	M28E	73.666'
M29W	74.203'	M29E	73.705'
M30W	74.244'	M30E	73.744'
M31W	74.286'	M31E	73.783'
M32W	74.327'	M32E	73.822'
M33W	74.368'	M33E	73.861'
M34W	74.409'	M34E	73.899'
M35W	74.451'	M35E	73.939'
M36W	74.494'	M36E	73.979'
M37W	74.536'	M37E	74.018'
M38W	74.578'	M38E	74.058'
M39W	74.621'	M39E	74.098'
M40W	74.662'	M40E	74.138'
M41W	74.705'	M41E	74.178'
M42W	74.748'	M42E	74.218'
M43W	74.791'	M43E	74.258'
M44W	74.834'	M44E	74.298'
M45W	74.877'	M45E	74.339'
M46W	74.921'	M46E	74.380'
M47W	74.964'	M47E	74.420'
M48W	75.008'	M48E	74.461'
M49W	75.052'	M49E	74.501'
M50W	75.096'	M50E	74.542'
M51W	75.140'	M51E	74.584'
M52W	75.184'	M52E	74.625'

NOTE: DIMENSIONS IN TABLE ARE CALCULATED BETWEEN CURVES SHOWN AS WORK LINES & PIER. GIRDERS MAY BE DETAILED IN GROUPS OF 5 OR 6 OF EQUAL LENGTH. SEE 'SHEET G-3' FOR DATA ON CURVE OF WORK LINES & PIER.

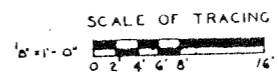
FRAMING PLAN
SCALE: 1/8"=1'-0"

STEEL NOTES FOR SHEETS 3-77 TO 8-79 INCL.

STRUCTURAL STEEL IS A.S.T.M. A7 UNLESS OTHERWISE NOTED. ITEMS MARKED A.S. ARE LOW ALLOY STEEL EQUAL TO A.S.T.M. A142 AS MODIFIED IN THE SPECIAL PROVISIONS AND SHALL HAVE CORROSION RESISTANCE EQUAL TO COSTEN OR MAYARI-R.

OPEN HOLES 1/16" UNLESS NOTED. RIVETS 1/2" FIELD CONNECTIONS ARE RIVETED, UNLESS OTHERWISE NOTED. REAMED WORK - SEE SPECIFICATIONS. WELDING WHERE SHOWN IS METAL ARC WELDING IN ACCORDANCE WITH AMERICAN WELDING SOCIETY SPEC'S FOR WELDED HIGHWAY AND RAILWAY BRIDGES.

NOTE: ELEVATIONS SHOWN ARE TOP OF GIRDERS. ALL GIRDERS ARE PARALLEL TO GIRDERS M-1. FOR LOCATION OF GIRDERS M-1 SEE SHEET G-3. STATIONS FROM UNION AVE. BASE LINE ARE MEASURED FROM E OF GIRDER M-1.

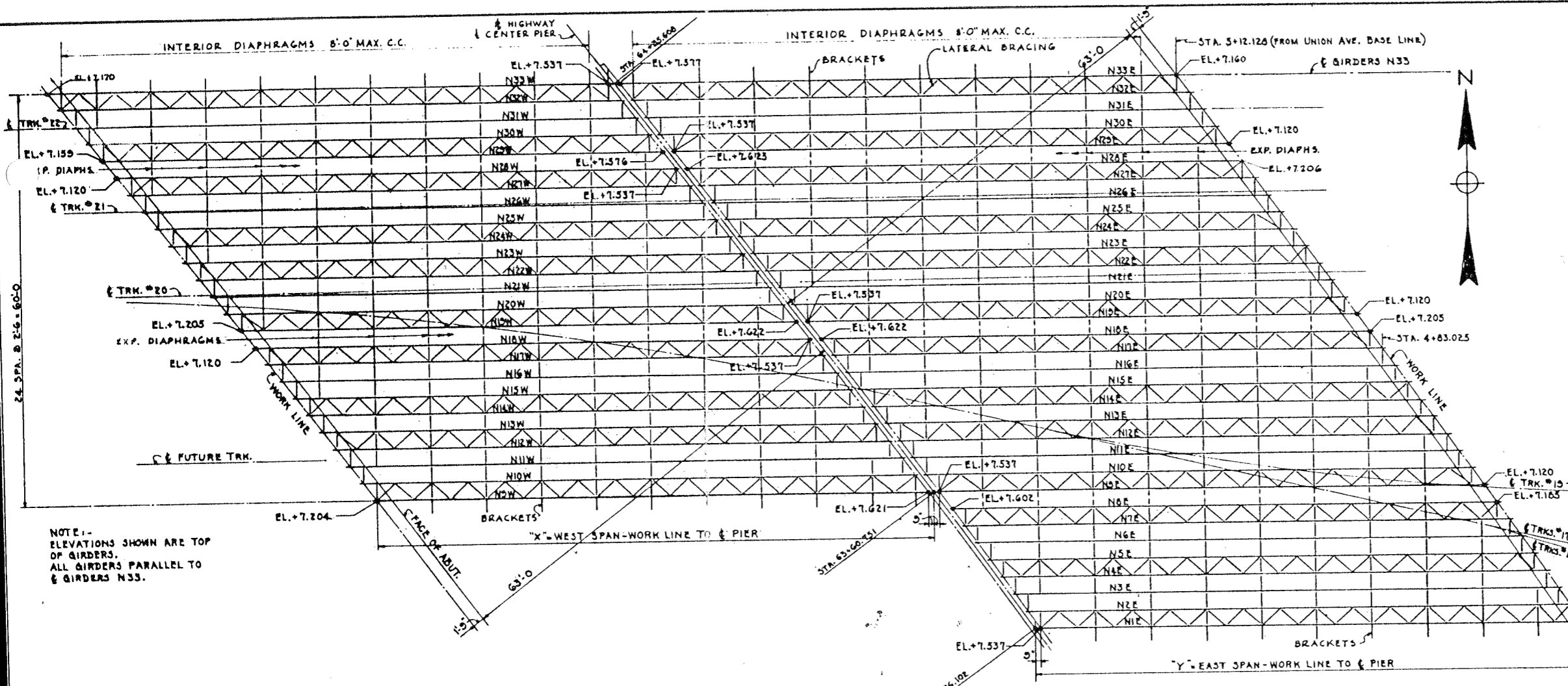


DE LEUW, CATHNER & CO. ENGINEERS
DESIGNED BY B.A.L.
DRAWN BY B.E.H.
CHECKED R.G.M.
IN CHARGE

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
TRACK FLOOR FRAMING
TRACKS 1 TO 9

SCALE: AS NOTED
DATE: MARCH 19, 1937
SHEET NO. 5-72 OF 134 SHEETS

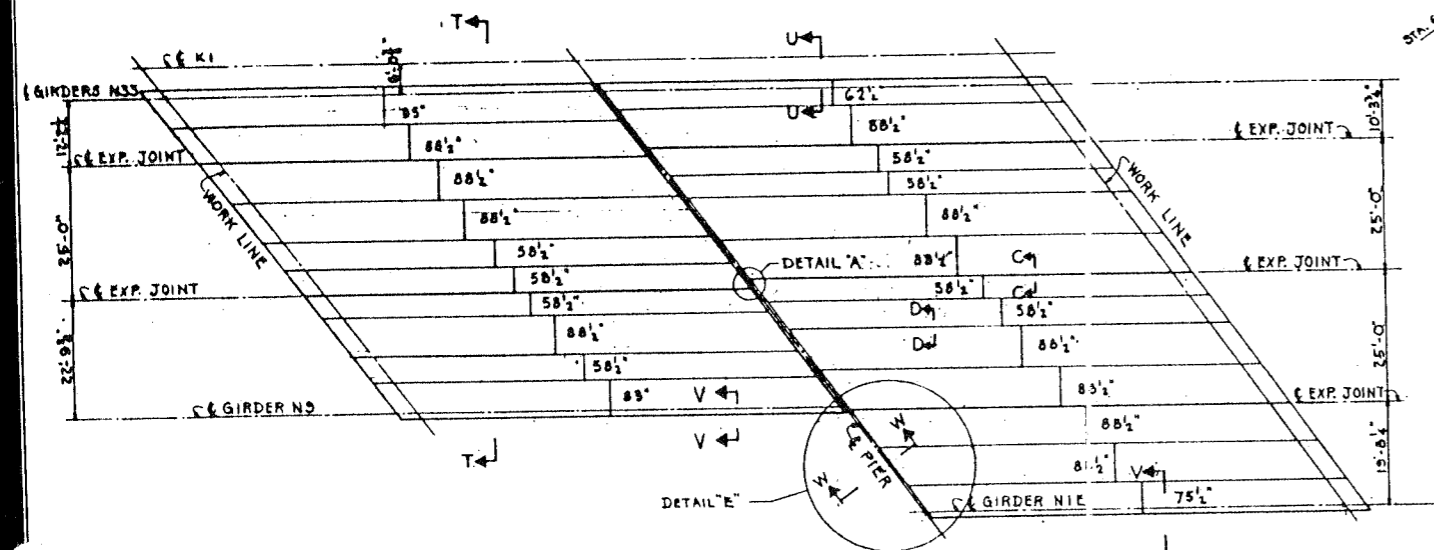
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 12	COOK	134	91
PROJECT NO. 0202.4-1		DATE: MARCH 19, 1937	



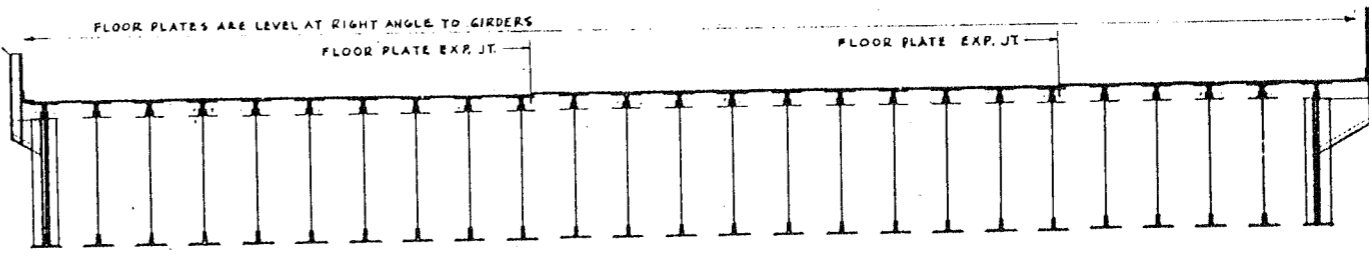
WEST SPAN		EAST SPAN	
MARK	"X"	MARK	"Y"
		N15E	75.112'
		N16E	75.165'
		N17E	75.225'
		N18E	75.284'
		N19E	75.342'
		N20E	75.401'
		N21E	75.455'
		N22E	75.517'
N9W	80.505'	N9E	75.577'
N10W	80.574'	N10E	75.636'
N11W	80.638'	N11E	75.696'
N12W	80.703'	N12E	75.755'
N13W	80.767'	N13E	75.814'
N14W	80.832'	N14E	75.873'
N15W	80.898'	N15E	75.934'
N16W	80.963'	N16E	75.993'
N17W	81.025'	N17E	80.053'
N18W	81.094'	N18E	80.116'
N19W	81.161'	N19E	80.176'
N20W	81.228'	N20E	80.238'
N21W	81.295'	N21E	80.299'
N22W	81.361'	N22E	80.361'
N23W	81.428'	N23E	80.422'
N24W	81.496'	N24E	80.483'
N25W	81.564'	N25E	80.548'
N26W	81.632'	N26E	80.611'
N27W	81.700'	N27E	80.673'
N28W	81.768'	N28E	80.736'
N29W	81.837'	N29E	80.799'
N30W	81.907'	N30E	80.863'
N31W	81.976'	N31E	80.927'
N32W	82.046'	N32E	80.991'
N33W	82.115'	N33E	81.055'

NOTE 1 - ELEVATIONS SHOWN ARE TOP OF GIRDERS. ALL GIRDERS PARALLEL TO GIRDERS N33.

NOTE - DIMENSIONS IN TABLE ARE CALCULATED BETWEEN CURVES SHOWN AS WORK LINES & PIER. GIRDERS MAY BE DETAILED IN GROUPS OF 5 OR 6 EQUAL LENGTHS. SEE SH. 0-3 FOR DATA ON CURVE OR WORK LINES AND PIER.

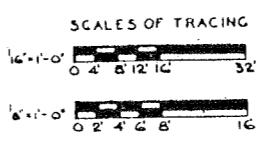


FLOOR PLATE PLAN
9/16" FLOOR PLATES (A.S.) WIDTHS SHOWN ON PLAN
SCALE: 1/4" = 1'-0"



SECTION T-T
SCALE: 1/4" = 1'-0"

NOTES:
DETAIL A, SECTIONS C-C, D-D - SEE SHEET 5-75
SECTION U-U - SEE SHEET 5-76
SECTIONS V-V & W-W AND DETAIL E - SEE SHEET 5-79

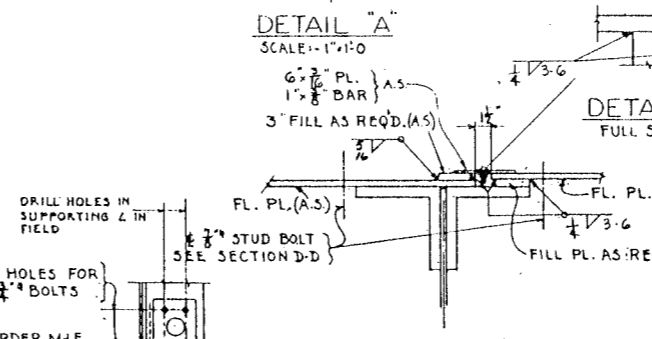
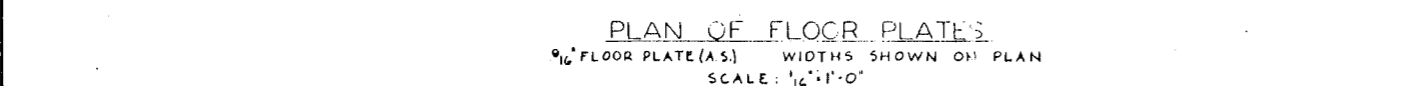
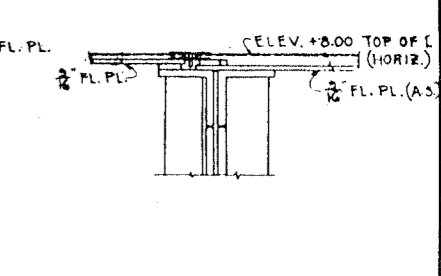
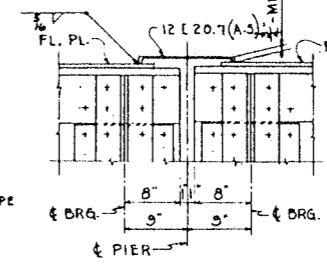
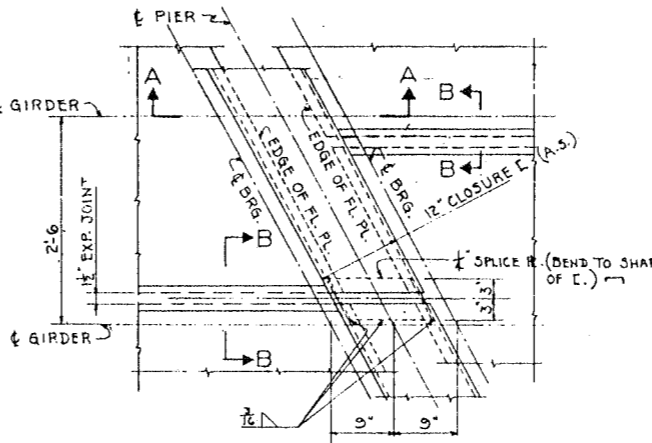
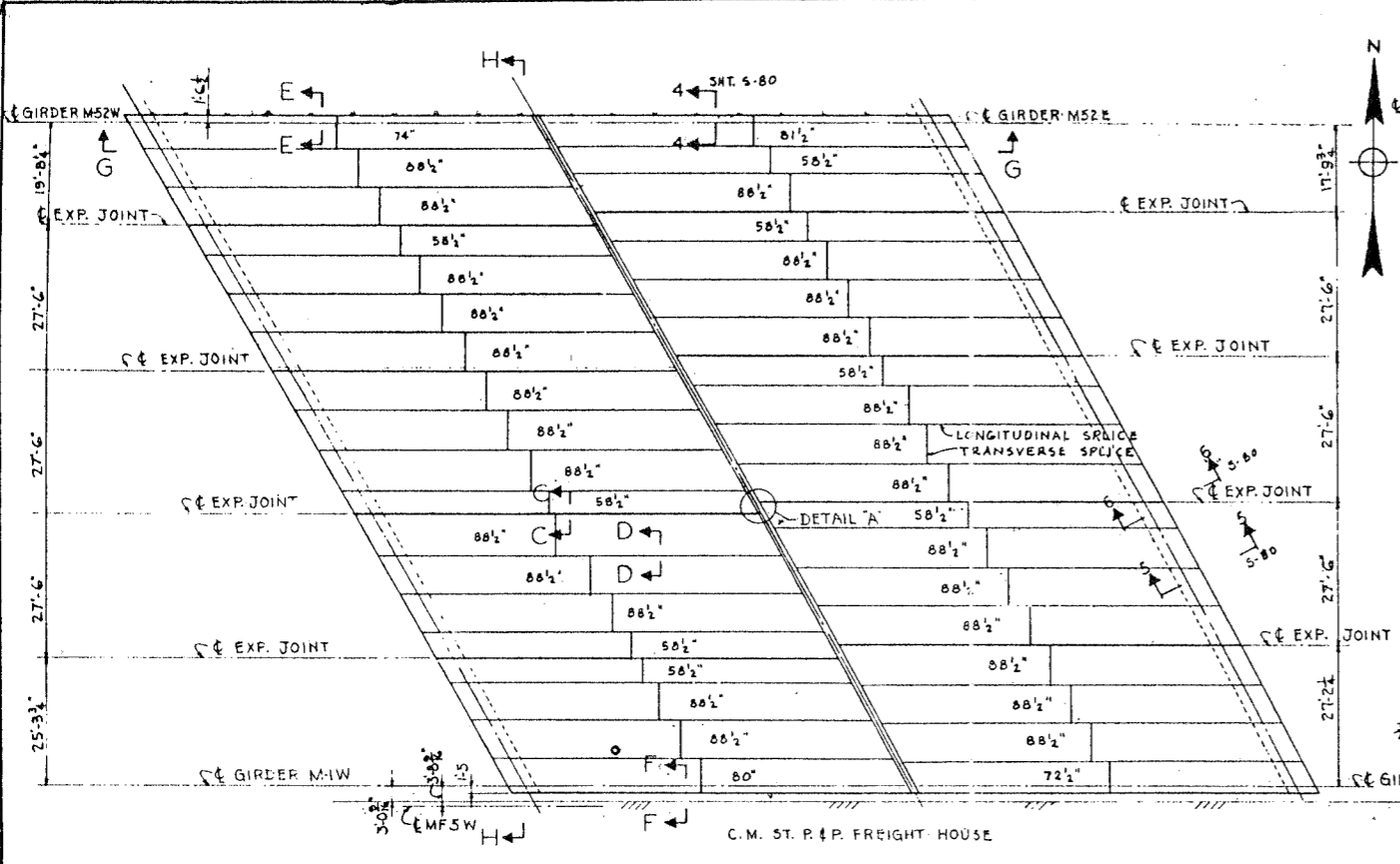


CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
TRACK FLOOR FRAMING
TRACKS 15 TO 22

SCALE: AS NOTED DATE: MARCH 19, 1937
SHEET NO. S-74 OF 134 SHEETS

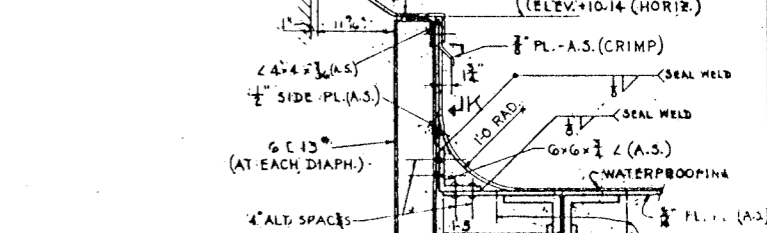
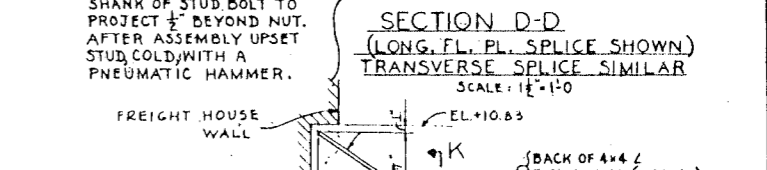
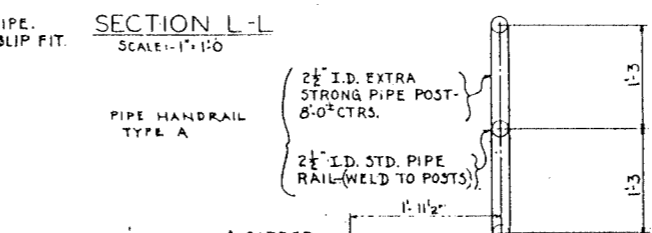
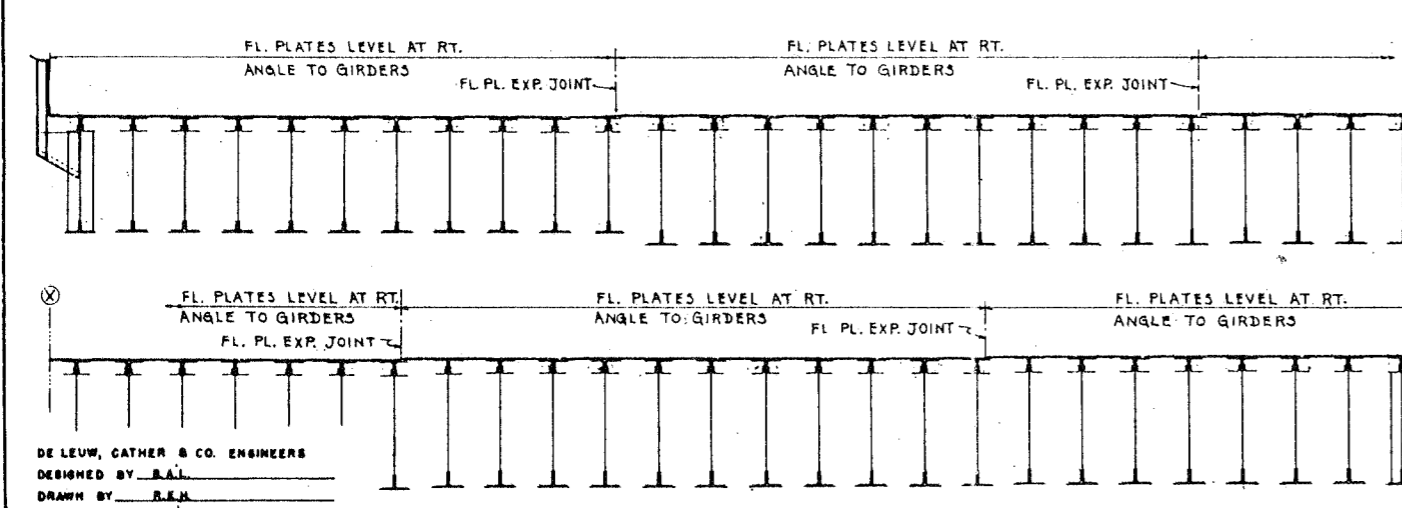
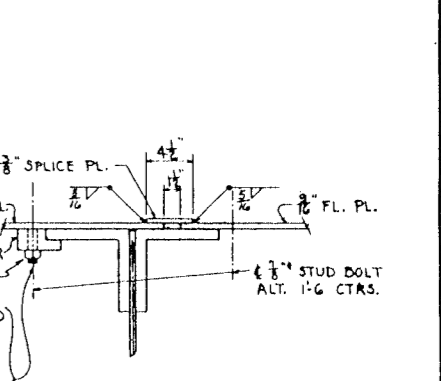
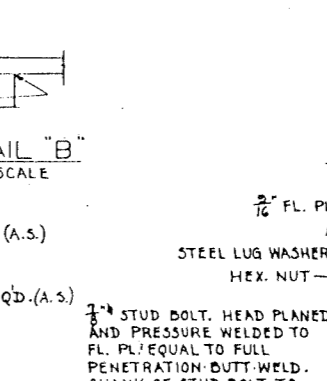
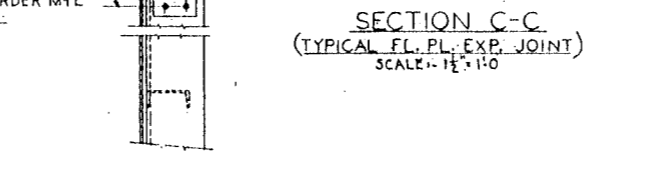
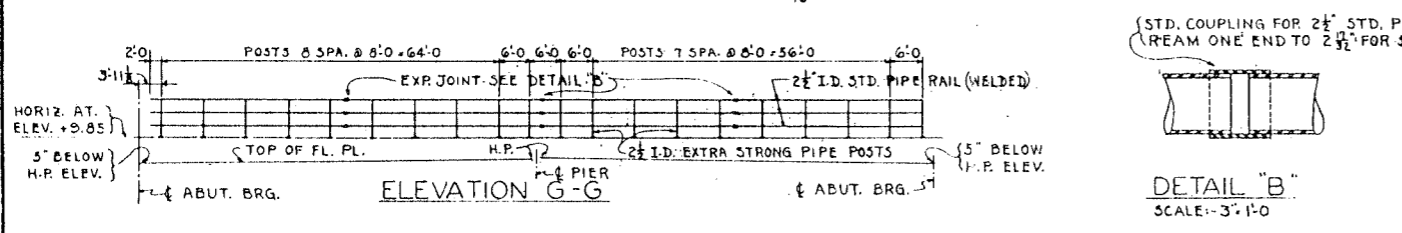
DE LEUW, CATHER & CO. ENGINEERS
DESIGNED BY B.A.L.
DRAWN BY R.E.H.
CHECKED R.E.H.
IN CHARGE R.E.H.

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.Z.	02024-1	COOK	134	2
FED. ROAD DIST. NO. 1		ILLINOIS	PROJECT 1-02-2103	

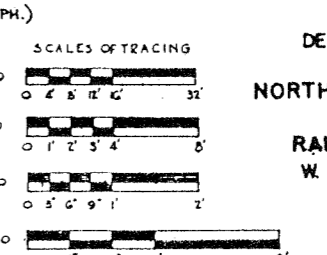
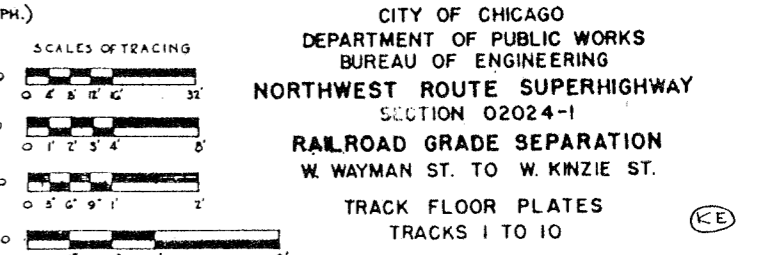
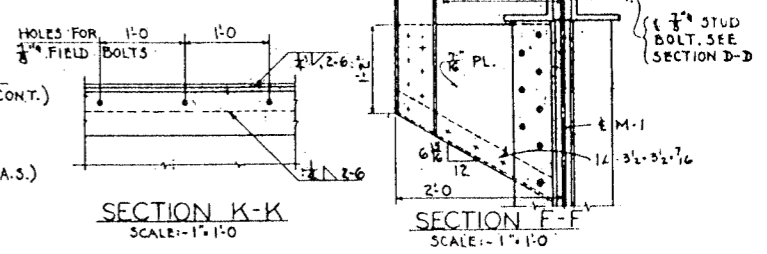
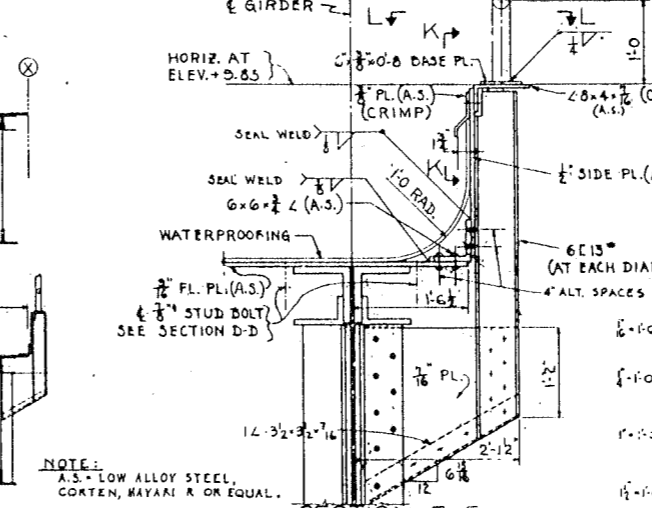


SECTION A-A
SCALE: 1" = 1'-0"

SECTION B-B
SCALE: 1" = 1'-0"



DE LEUW, CATHAR & CO. ENGINEERS
 DESIGNED BY: R.A.L.
 DRAWN BY: R.E.H.
 CHECKED: R.E.H.
 IN CHARGE: R.E.H.



CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 02024-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 TRACK FLOOR PLATES
 TRACKS 1 TO 10

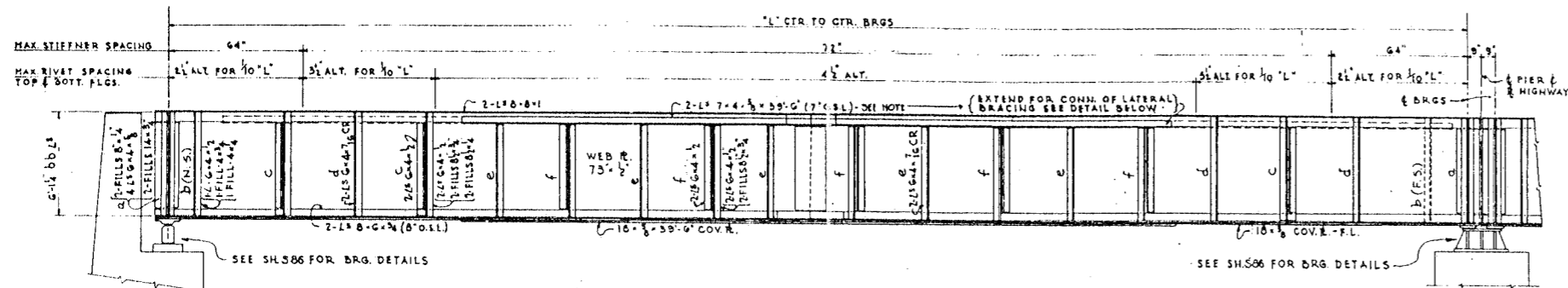
NOTE: A.S. - LOW ALLOY STEEL, CORTEN, MAYAAL R. OR EQUAL.

SCALE: AS NOTED

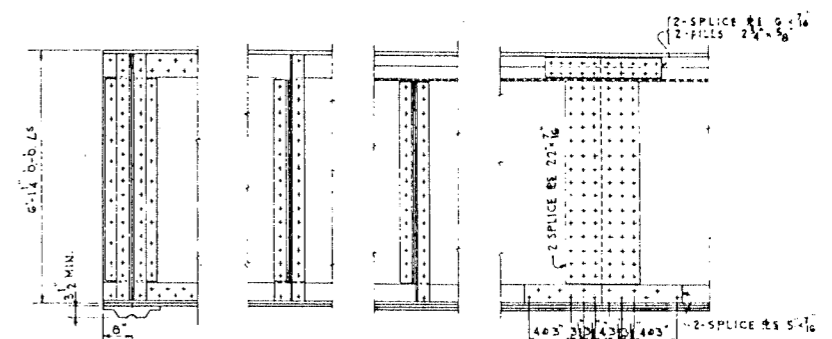
DATE: MARCH 10, 1937

SHEET NO. 5-75 OF 134 SHEETS

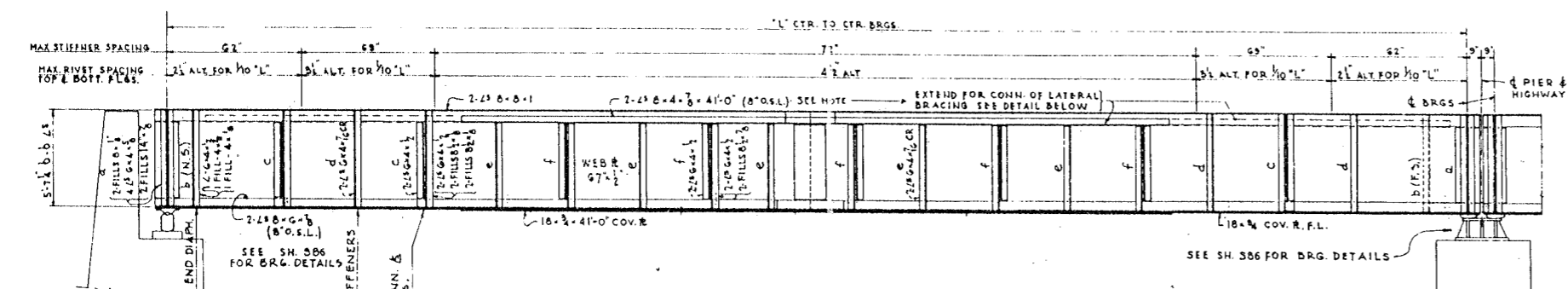
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 3	0202.4-1	COOK	134	93
PER ROAD DIST. NO. 4	ILLINOIS		PROJECT NO. 121981	



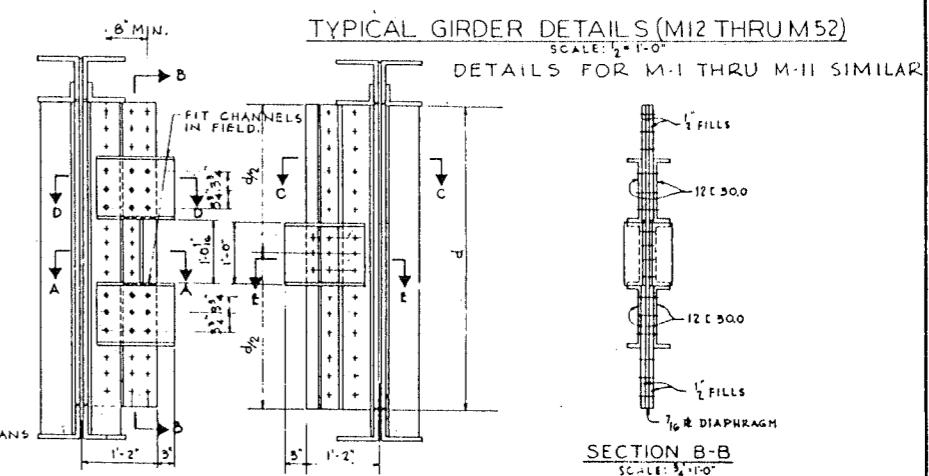
MATERIAL FOR GIRDERS M-12 W THRU M-52 W & M-12 E THRU M-52 E
SCALE: 1/4"=1'-0"



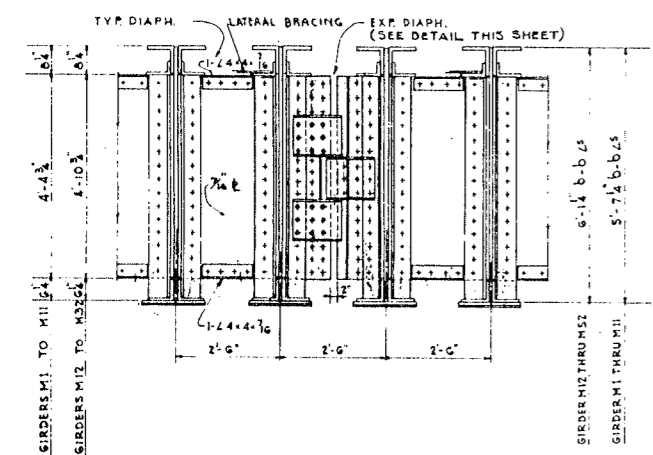
STIFFS AT DIAPH. WEB SPLICE
NOTE: SCALE PLATE THICKNESS TO VARY ACCORDING TO ELEVATION REQUIRED AT TOP OF GIRDERS. MIN. THICKNESS TO BE 3/8"



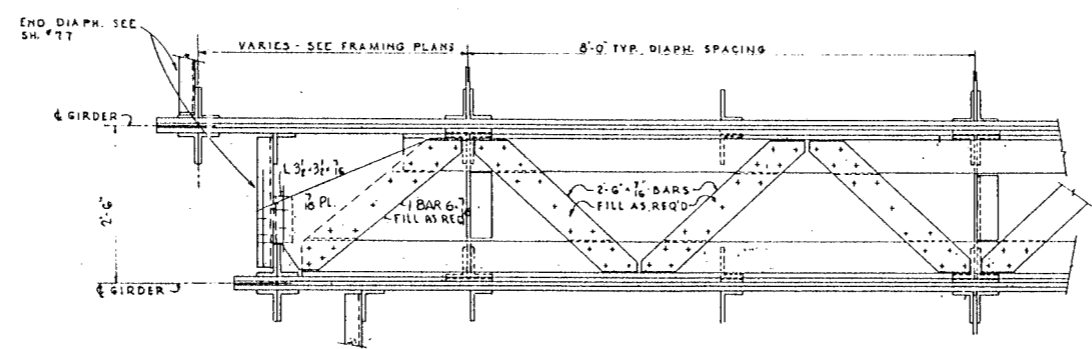
MATERIAL FOR GIRDERS M-1 W THRU M-11 W & M-1 E THRU M-11 E
SCALE: 1/4"=1'-0"



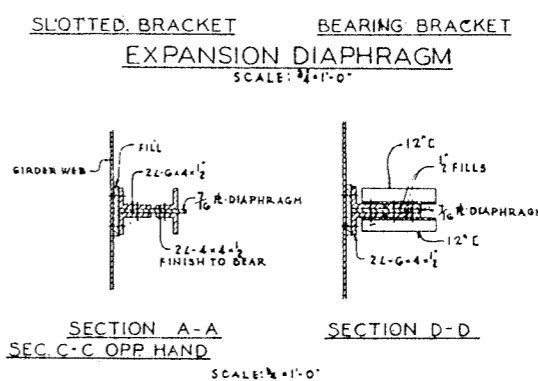
NOTE: FOR LOCATION OF EXPANSION DIAPHRAGMS, SEE FRAMING PLANS SHEETS S-72 THRU S-74.



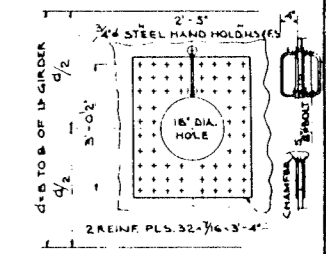
INTERIOR DIAPHRAGMS-TYPE 1 AND EXP. DIAPHRAGM
SCALE: 1/2"=1'-0"
FOR TYPE 2 DIAPHRAGMS - GIRDERS M-32 TO M-52. SEE SH. S-77.



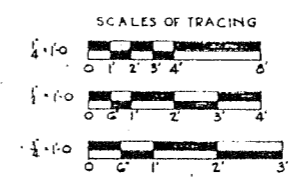
LATERAL BRACING DETAILS
SCALE: 3/4"=1'-0"



SECTION A-A SEC. C-C OPP. HAND
SCALE: 1/2"=1'-0"



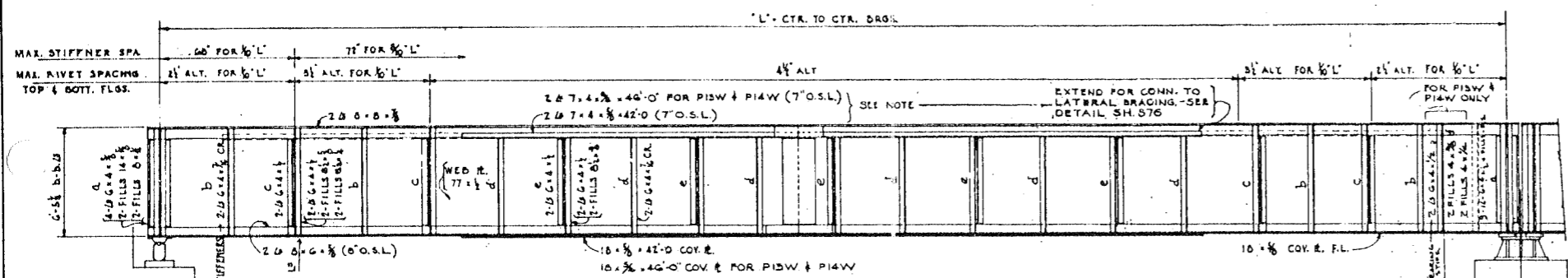
HOLE FOR GIRDERS
M-33, S444, E45E, W; P-11, 12W
FOR LOCATION SEE SH. S-73 AND S-75
SCALE: 1/2"=1'-0"



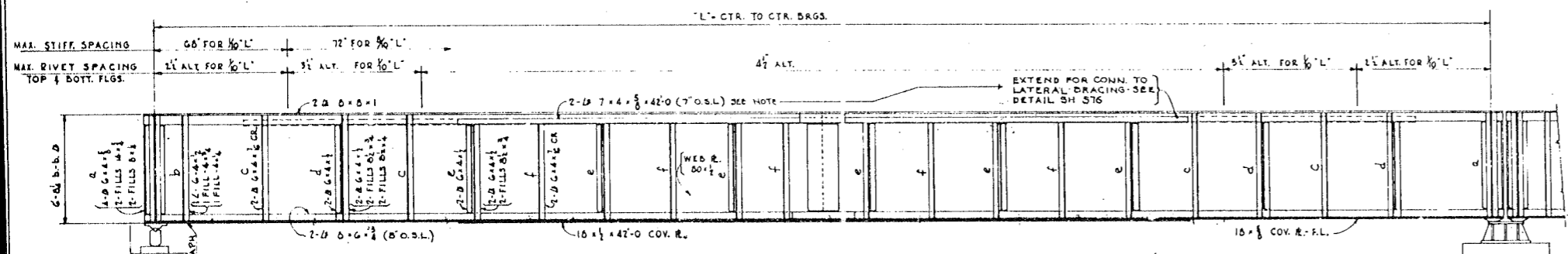
DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY R.A.L.
DRAWN BY R.E.H.
CHECKED R.G.M.
IN CHARGE *[Signature]*

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
TRACK FLOOR STEEL
TRACKS 1 TO 9

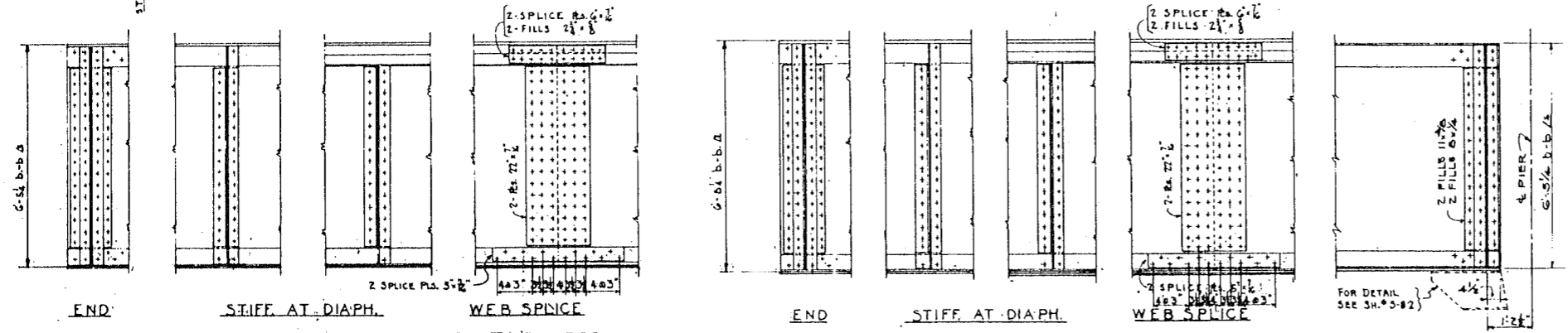
DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.L. 2	0202.4-1	COOK	134	94
DES. BY: DE LEUW, CATHY & CO. ENGINEERS			DRAWN BY: R.E.H.	



MAIN MATERIAL FOR GIRDERS P1 THRU P25 (EXCEPT P13E & P14E SHOWN BELOW)
SCALE: 1/4" = 1'-0"
(SEE FRAMING PLAN - SH. NO. 5-73 FOR LOCATION OF GIRDERS)



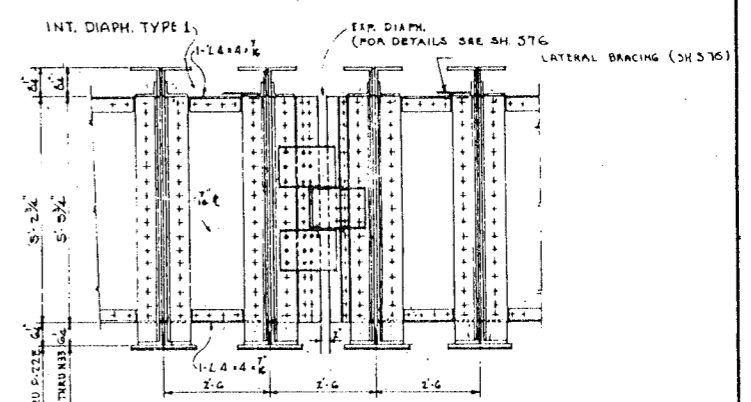
MAIN MATERIAL FOR GIRDERS N1 THRU N33
SCALE: 1/4" = 1'-0"
(SEE FRAMING PLAN - SH. NO. 5-74 FOR LOCATION OF GIRDERS)



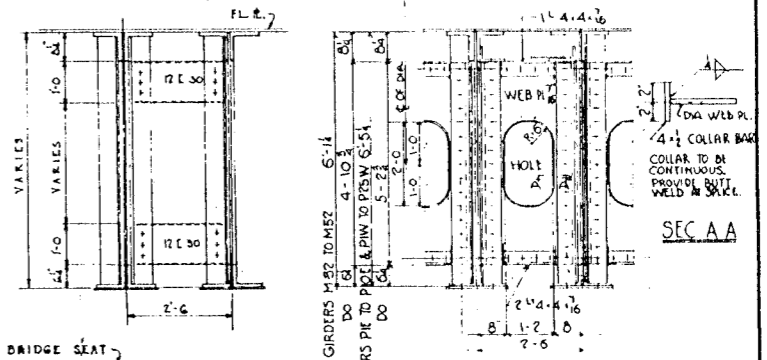
TYPICAL GIRDER DETAILS - P1 THRU P25
SCALE: 1/2" = 1'-0"

TYPICAL GIRDER DETAILS - N1 THRU N33
SCALE: 1/2" = 1'-0"

GIRDER P23 W AT PIER END ONLY
SCALE: 1/2" = 1'-0"

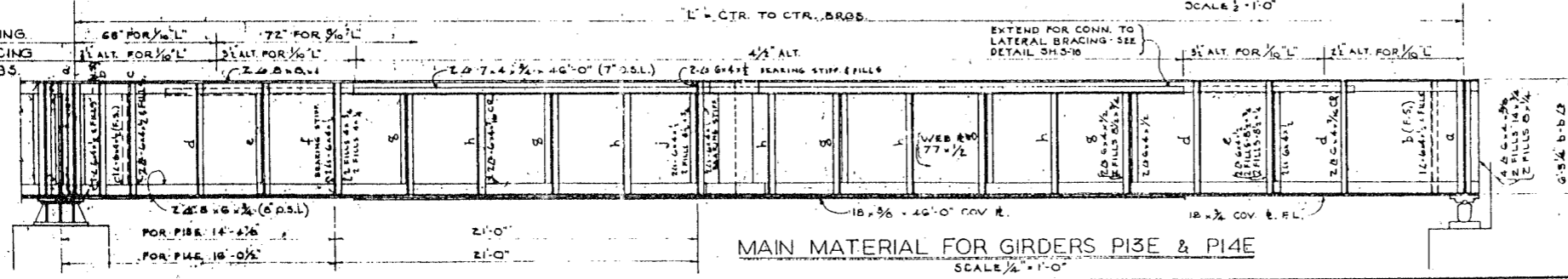
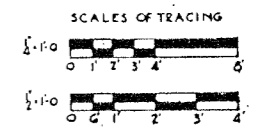


INTERIOR DIAPHRAGM TYPE 1 AND EXP. DIAPHRAGM
SCALE: 1/2" = 1'-0"



TYPICAL END DIAPHRAGM
SCALE: 1/2" = 1'-0"

INT. DIAPHRAGM TYPE 2
SCALE: 1/2" = 1'-0"

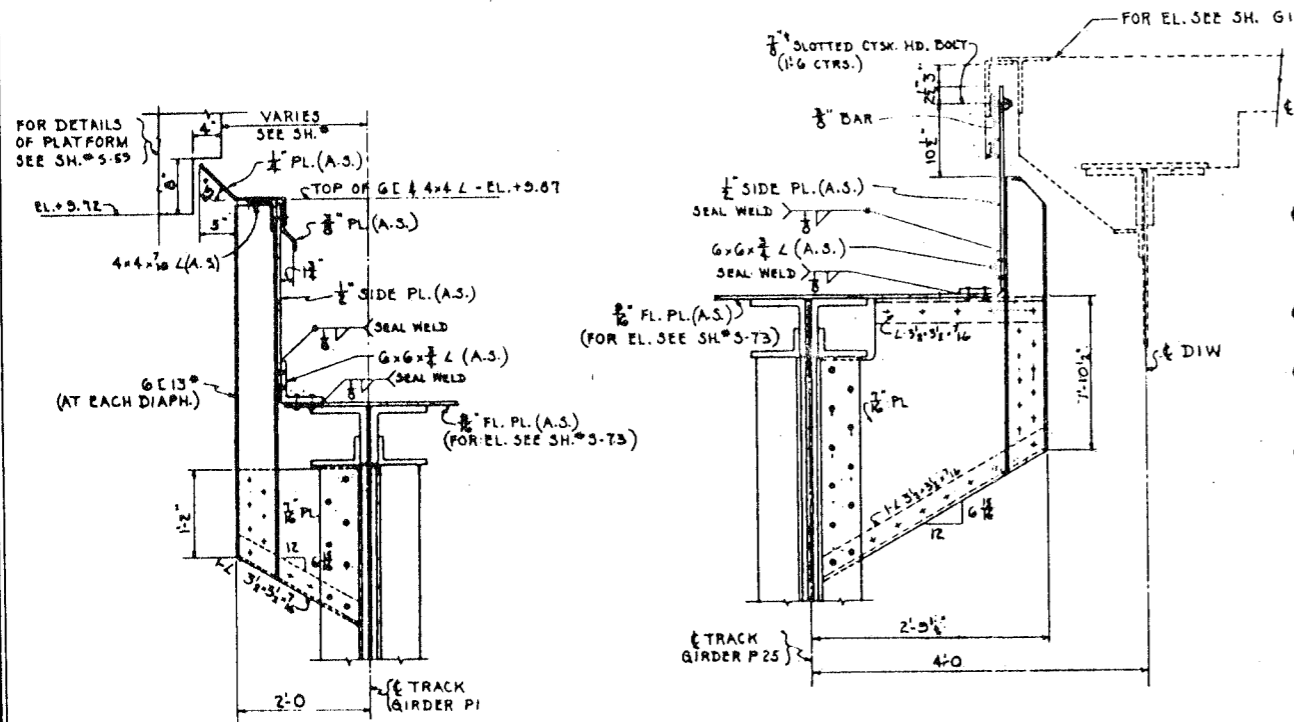


MAIN MATERIAL FOR GIRDERS P13E & P14E
SCALE: 1/4" = 1'-0"

DE LEUW, CATHY & CO. ENGINEERS
DESIGNED BY: R.A.L.
DRAWN BY: R.E.H.
CHECKED: R.E.H.
IN CHARGE: [Signature]

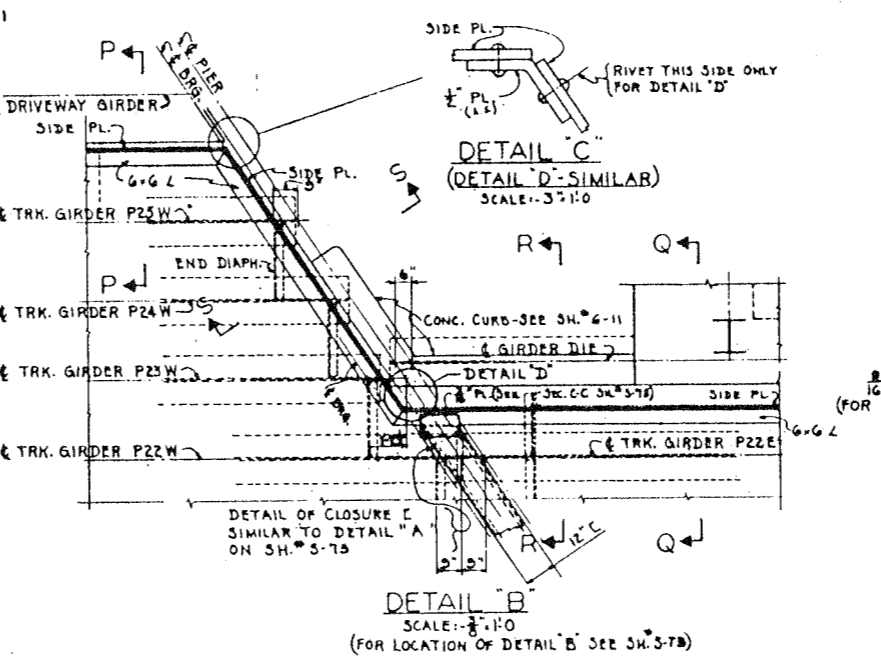
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
TRACK FLOOR STEEL
TRACKS 10 TO 22
SCALE: AS NOTED
DATE: MARCH 19, 1967
SHEET NO. 5-77 OF 134 SHEETS

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 12	0202.4-1	COOK	134	88
P.L. 134 88				

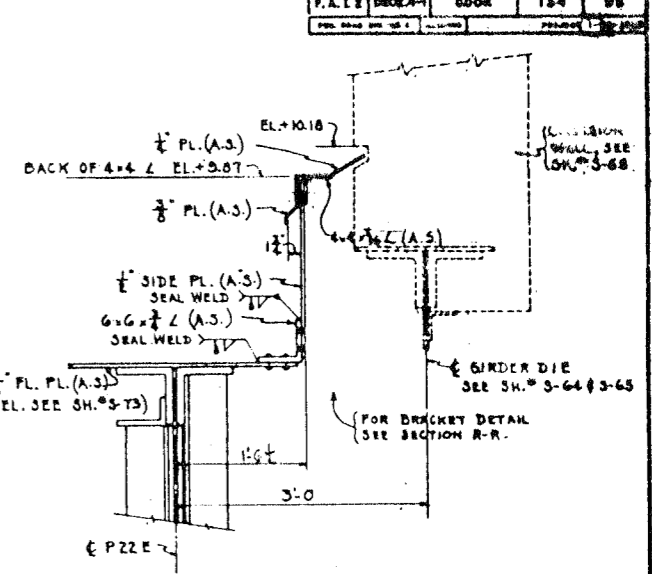


SECTION N-N
SCALE: 1"=1'-0"

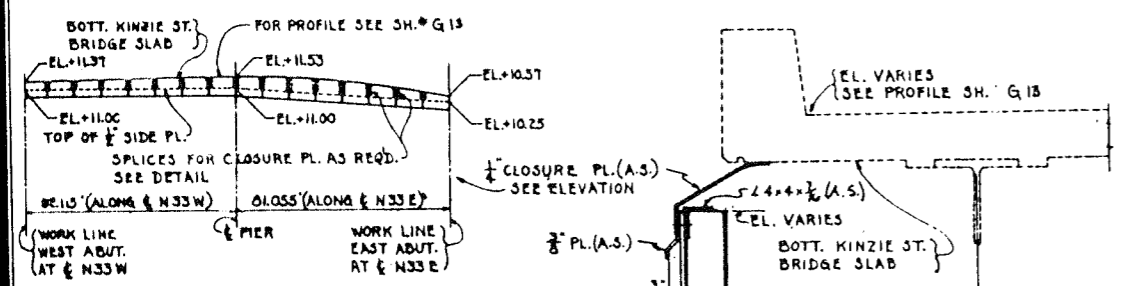
SECTION P-P
SCALE: 1"=1'-0"



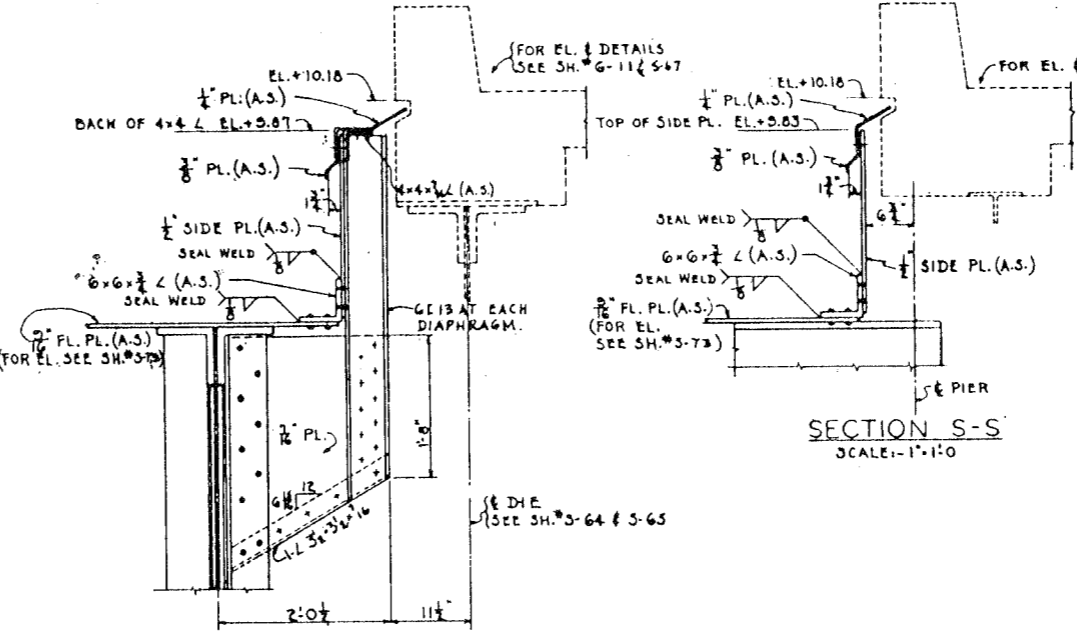
DETAIL B
SCALE: 3/8"=1'-0"
(FOR LOCATION OF DETAIL B SEE SH. 5-78)



SECTION Q-Q
SCALE: 1"=1'-0"

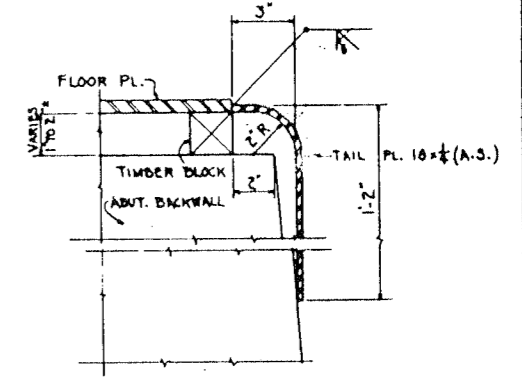


ELEVATION OF CLOSURE PLATE
SOUTH SIDE KINZIE ST. BRIDGE
NOT TO SCALE

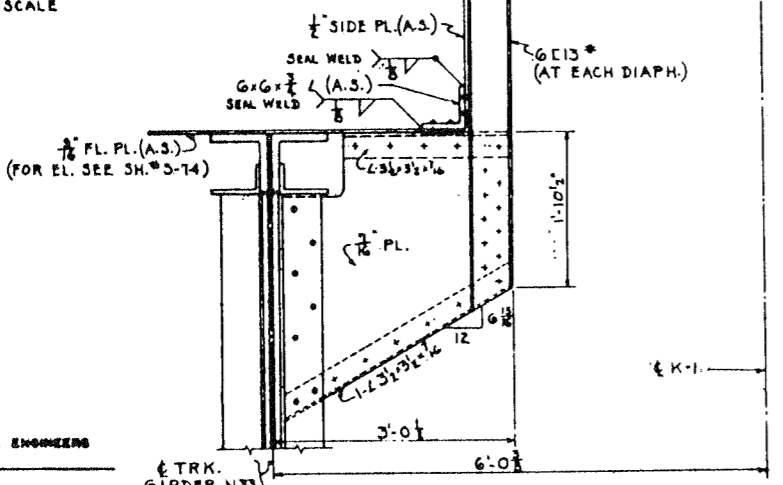


SECTION R-R
SCALE: 1"=1'-0"

SECTION S-S
SCALE: 1"=1'-0"

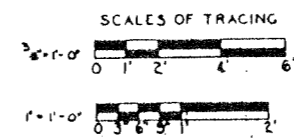


DETAIL OF TAIL PLATE
SCALE: 3/8"=1'-0"



SECTION U-U
SCALE: 1"=1'-0"

NOTE:-
A.S. = LOW ALLOY STEEL,
CORTEN, MAYARI R OR EQUAL.

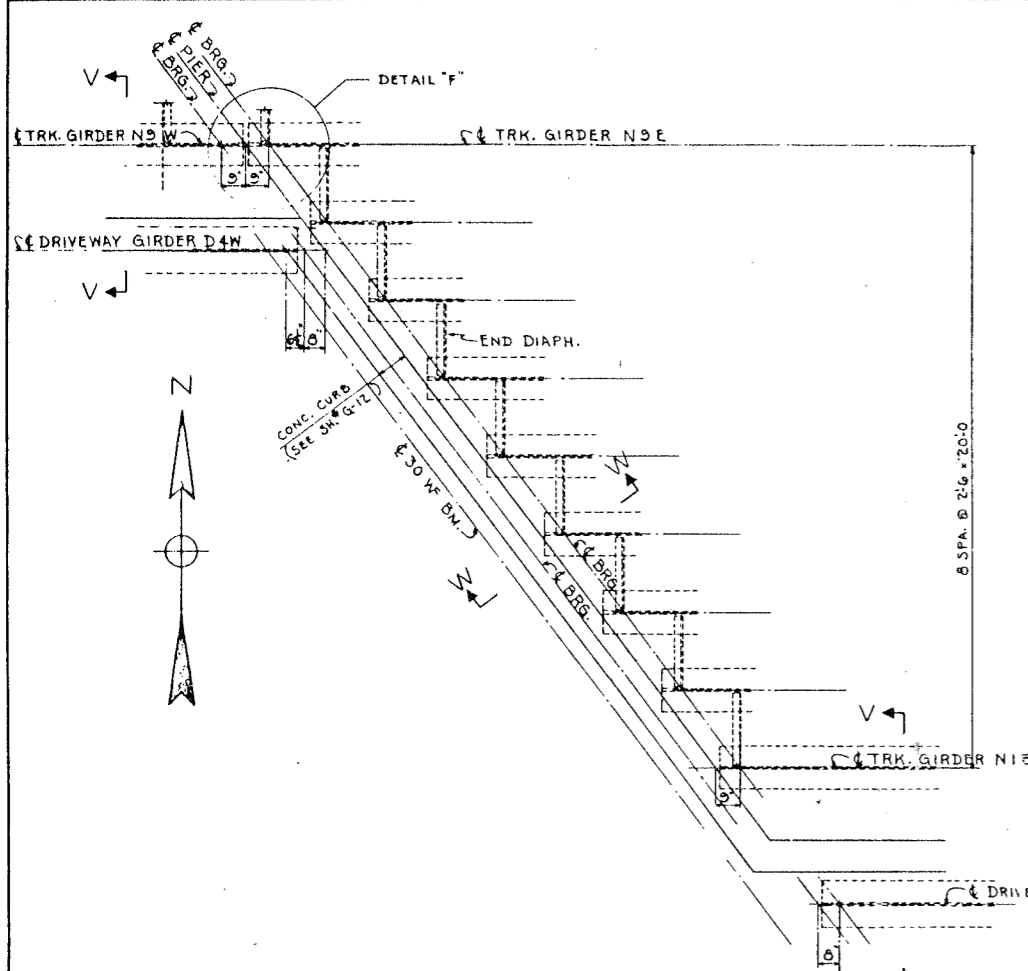


DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY R.A.I.
DRAWN BY R.E.H.
CHECKED R.S.H.
IN CHARGE W.D.M.

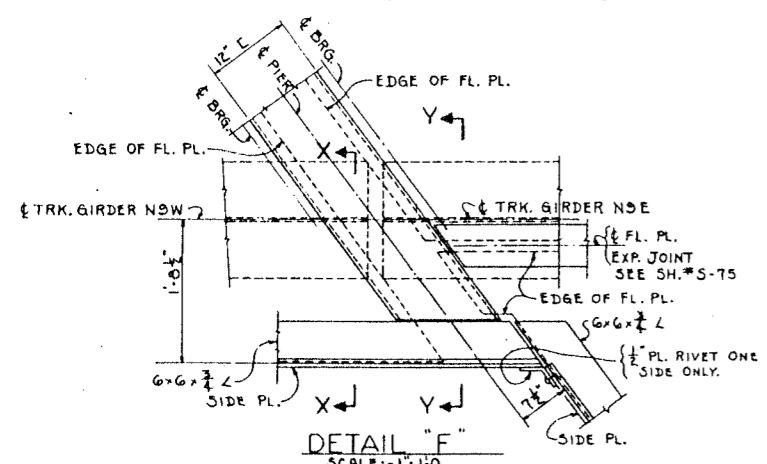
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
TRACK FLOOR STEEL
DETAILS

SCALE: AS NOTED
DATE: JANUARY 1958
SHEET NO. 5-78 OF 134 SHEETS

DISTRICT	SECTION	SUBJECT	SHEET NO.	TOTAL SHEETS
F.A.I. 2	0202.4-1	COOK	134	87
JOB NO. 202.4-1			PROJECT 1-00-2-002	

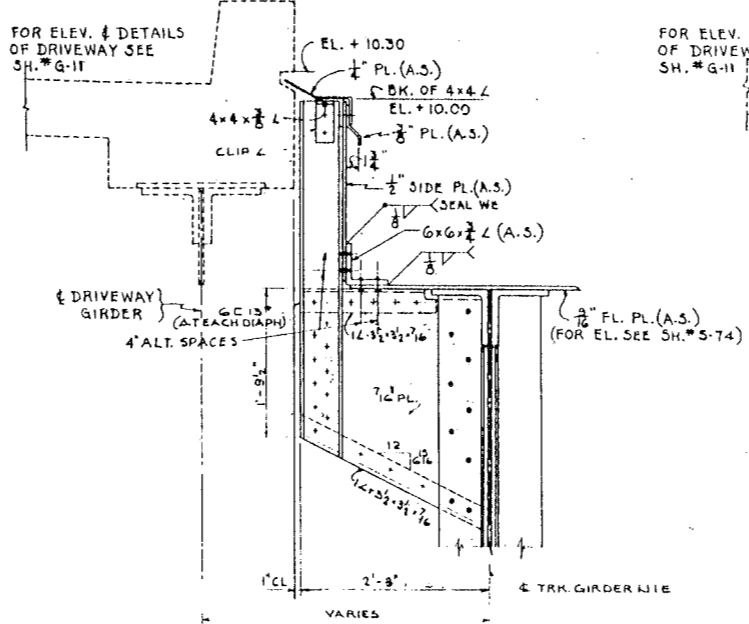


DETAIL "E"
SCALE: 1/8"=1'-0"
(FOR LOCATION OF DETAIL "E" SEE SH.#S-74)



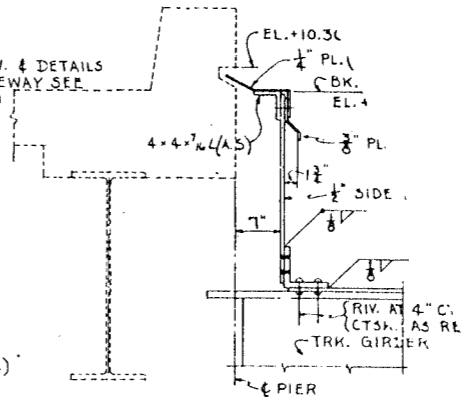
DETAIL "F"
SCALE: 1/4"=1'-0"

FOR ELEV. & DETAILS OF DRIVEWAY SEE SH.#G-11



SECTION V-V
SCALE: 1/4"=1'-0"

FOR ELEV. & DETAILS OF DRIVEWAY SEE SH.#G-11



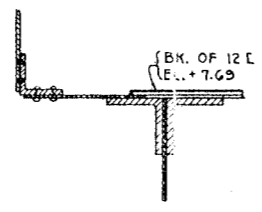
SECTION W-W
SCALE: 1/4"=1'-0"

DESIGN DATA

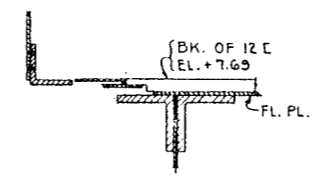
1952 AREA SPECIFICATIONS
COOPER E-72 LOADING
LOADS BASED ON 5 GIRDERS PER TRK
CENTRIFUGAL FORCE BASED ON 50 MPH, NO SUPERELEVATION

GIRDERS		M1E - M1E	M12E - M12E	P1E - P22E	M1E - M33E
DESIGN SPAN, FT.		M1W - M11W	M12W - M12W	P1W - P23W	M1W - M33W
DEAD LOAD	TOTAL	72.75	74.50	77.75	81.50
LB./FT. OF GIRDER		1435	1410	1440	1475
SHEAR	DEAD LOAD	52.2	52.5	54.0	60.0
	LIVE LOAD	82.5	84.3	87.4	91.0
	IMPACT, CENT. FORCE, ECCENTRICITY	99.9	101.6	81.1(b)	93.5(b)
	TOTAL	234.5	238.4	224.5	244.5
MOMENT	DEAD LOAD	850	877	1058	1226
	LIVE LOAD	1315	1372	1480	1610
	IMPACT, CENT. FORCE, ECCENTRICITY	1531	1633	1374(b)	1476(b)
	TOTAL	3696	4082	3912	4312
ACTUAL STRESSES	FLANGE COMPRESSION (GROSS)	14,400	15,200	15,100	14,800
	FLANGE TENSION (NET)	17,000	17,700	17,400	17,100
	WEB SHEAR (GROSS)	1,020	654.0	550	586.0
RATIO OF DEPTH TO SPAN		100	100	100	100
		12.70(b)	12.00	11.30	12.00

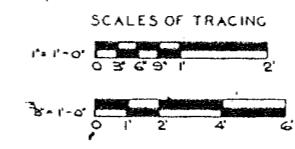
(a) NO CENTRIFUGAL FORCE
(b) DEFLECTION FROM LIVE LOAD AND IMPACT LIMITED TO THAT FOR A DEPTH RATIO OF 1/2



SECTION X-X
SCALE: 1/4"=1'-0"



SECTION Y-Y
SCALE: 1/4"=1'-0"



CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
TRACK FLOOR STEEL
DETAILS

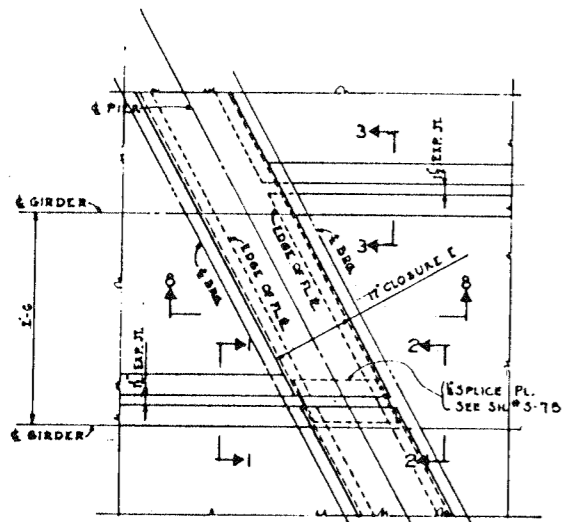
SCALE: AS NOTED

DATE: MARCH 16, 1957
SHEET NO. 5-79 OF 134 SHEETS

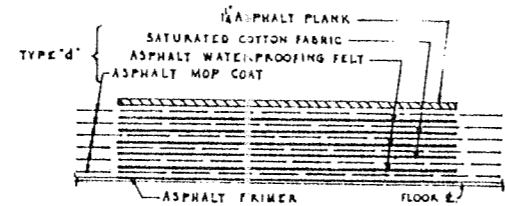
DE LEUW, CATHER & CO. ENGINEERS
DESIGNED BY R.A.L.
DRAWN BY R.E.H.
CHECKED R.S.M.
IN CHARGE

KE

SCALE	SECTION	DESIGNER	TOTAL SHEETS	SHEET NO.
F.A.I.B.	0202.4-1	COOK	134	87
DATE: MARCH 19, 1967				

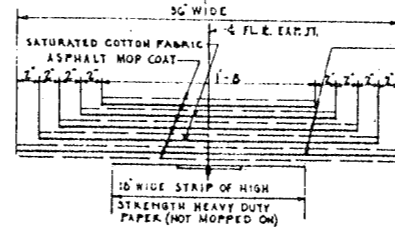


PLAN AT PIER
1"=1'-0"

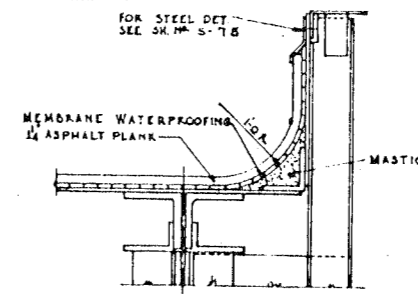


DETAIL OF TYPICAL MEMBRANE WATERPROOFING-
5-PLY

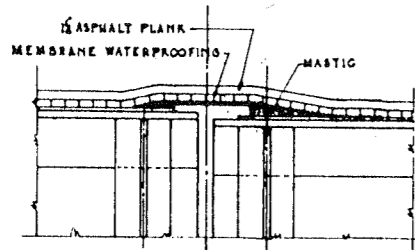
WATERPROOFING AS SHOWN SHALL COVER ENTIRE SURFACE INCLUDING PORTION COVERED BY JOINT WATERPROOFING, E.T.C.



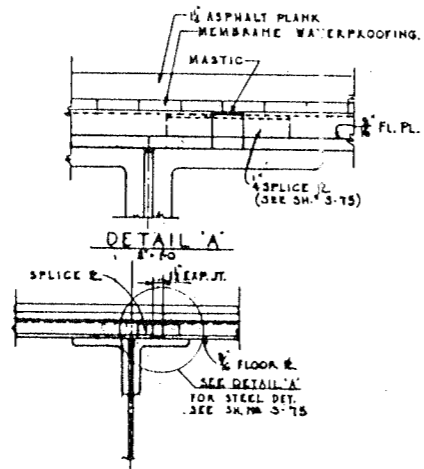
JOINT WATERPROOFING-5-PLY



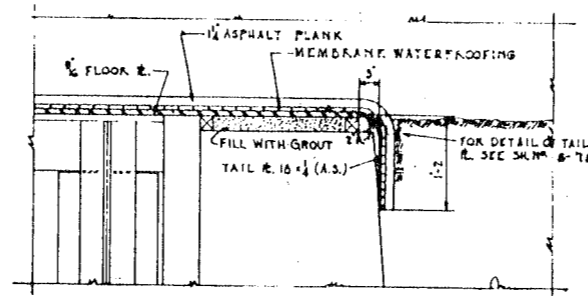
SECTION 4-4
1"=1'-0"



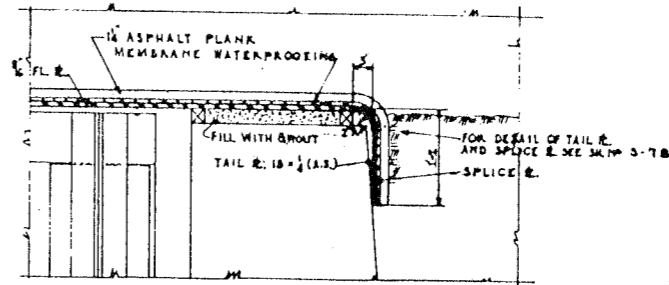
SECTION 8-8
DECK WATERPROOFING AT PIER
1"=1'-0"



SECTION 2-2
1"=1'-0"



SECTION 5-5



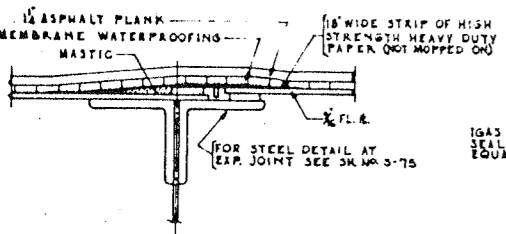
SECTION 6-6

DECK WATERPROOFING AT ABUTMENT

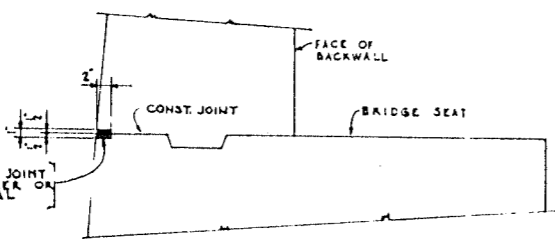
GENERAL NOTES FOR WATERPROOFING-

MATERIALS AND METHOD OF APPLICATION OF MEMBRANE WATERPROOFING TO BE IN ACCORDANCE WITH A.R.E.A. SPECS. FOR MEMBRANE WATERPROOFING, PART 2.

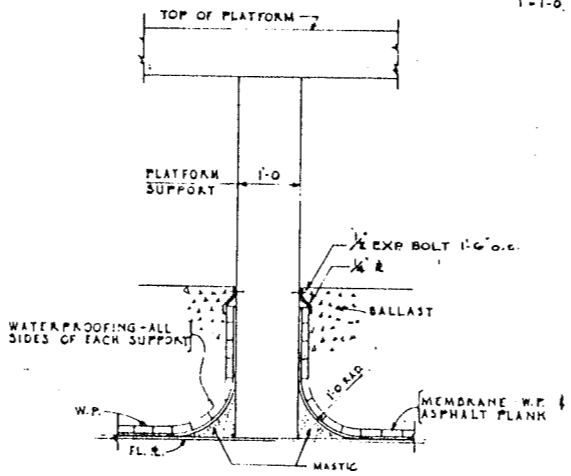
ADDITIONAL WATERPROOFING AT EXP. JOINTS AS SHOWN ABOVE. FOR LOCATION OF SECTIONS 4-4, 5-5 & 6-6 SEE SH. # 5-75



SECTION 3-3
TYPICAL FLOOR EXP. JOINT
SECTION 1-1 OPP. HAND
1"=1'-0"

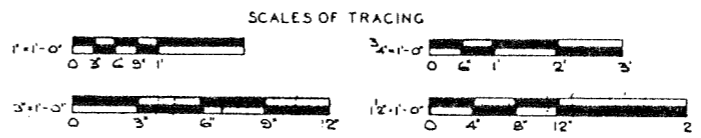


DETAIL BACKWALL CONSTR. JOINT
WATERPROOFING
1"=1'-0"



WATERPROOFING AT EACH
PLATFORM SUPPORT
1"=1'-0"

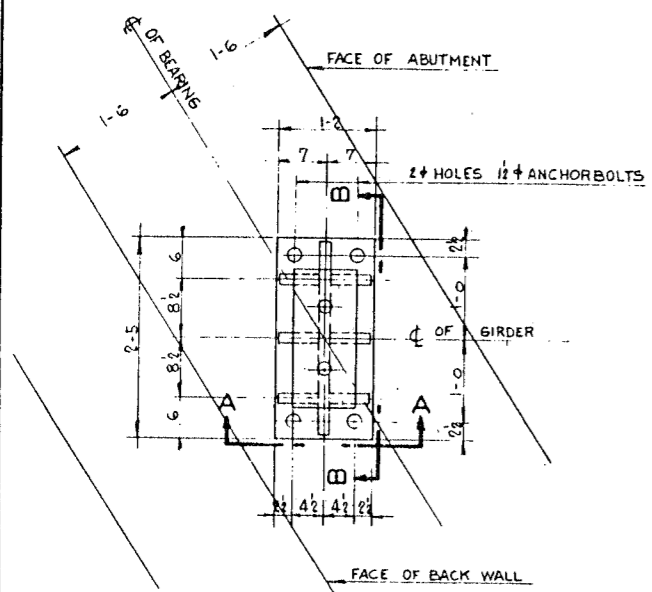
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
TRACK FLOOR WATERPROOFING



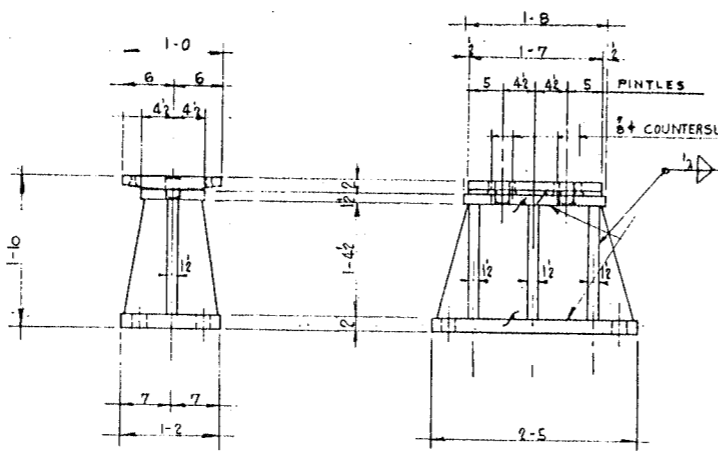
SCALE: AS NOTED DATE: MARCH 19, 1967 SHEET NO. 5-80 OF 134 SHEETS

DE L. CATHY & CO. ENGINEERS
DESIGNED BY R.E.H.
DRAWN BY W.C.K.
CHECKED R.A.J.
IN CHARGE

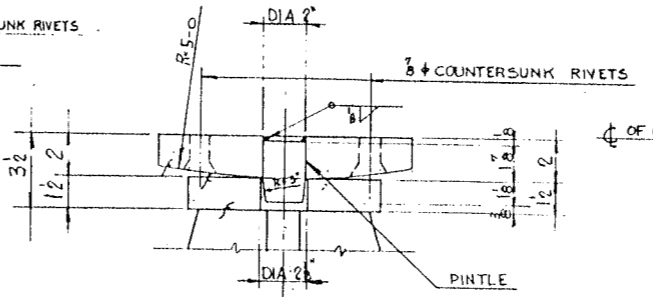
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	98
DESIGNED BY	ILLINOIS	PROJECT	1-000000	



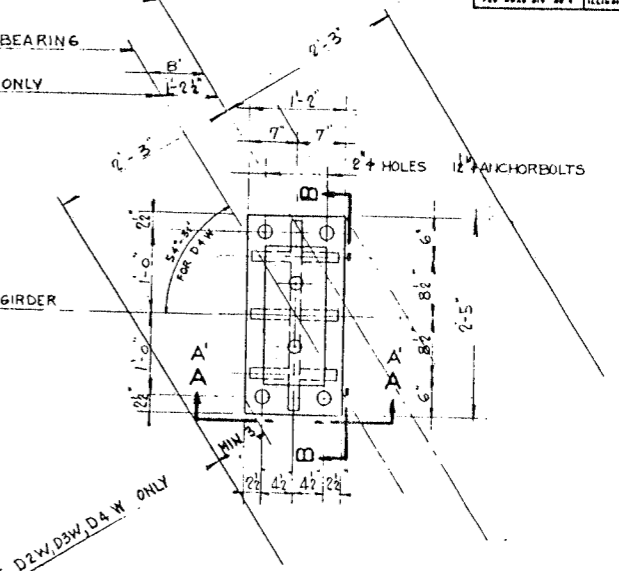
TYPICAL DETAIL OF FIXED BEARING
FOR CBW, C9W 1' - 1'-0"



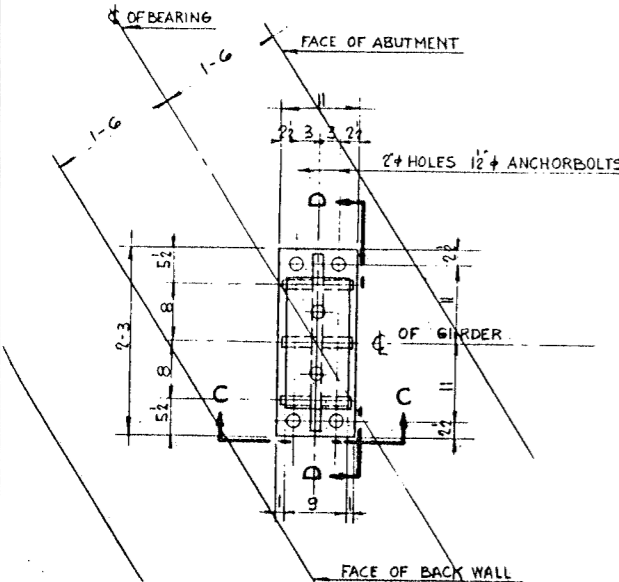
SECTION A - A 1' - 1'-0"
SECTION B - B 1' - 1'-0"



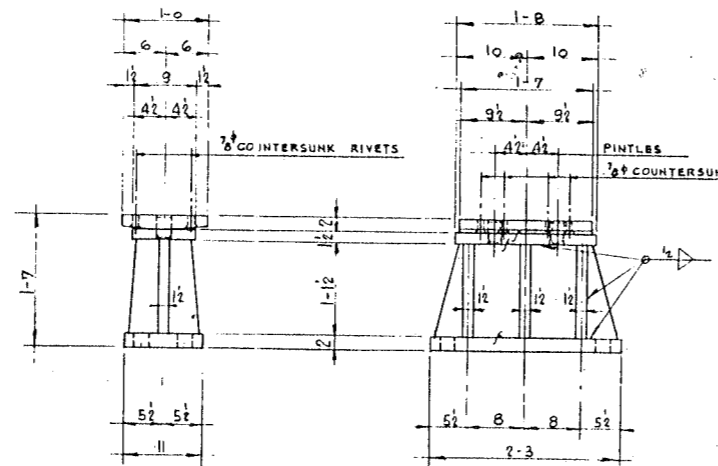
DETAIL OF PINTLE FOR FIXED BEARING 3' - 1'-0"



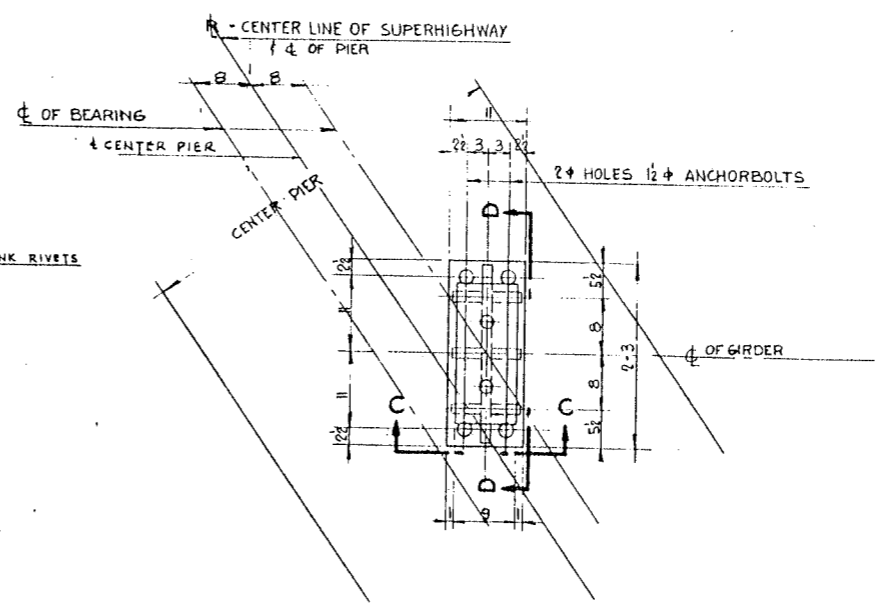
TYPICAL DETAIL OF FIXED BEARING
FOR D2W, D3W, D4W C1E, C2E, C3E, C4E 1' - 1'-0"



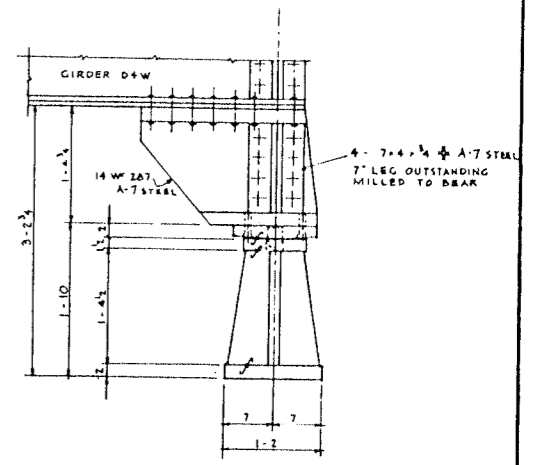
TYPICAL DETAIL OF FIXED BEARING
FOR CIW, C6W, C7W, C10W 1' - 1'-0"



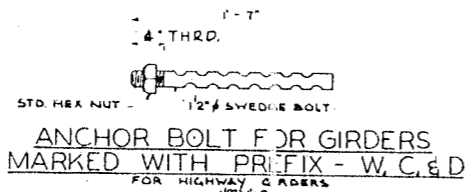
SECTION C - C 1' - 1'-0"
SECTION D - D 1' - 1'-0"



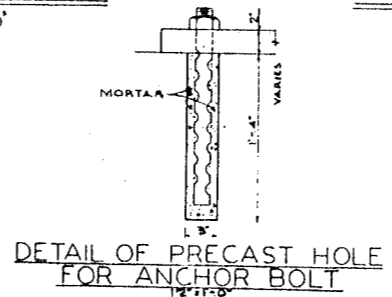
TYPICAL DETAIL OF FIXED BEARING
FOR D3E, D4E, D5E, D6E



SECTION A'-A' 1' - 1'-0"
FOR D4W ONLY

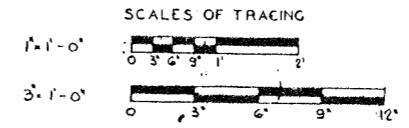


ANCHOR BOLT FOR GIRDERS
MARKED WITH PREFIX - W, C, & D
FOR HIGHWAY GIRDERS



DETAIL OF PRECAST HOLE
FOR ANCHOR BOLT

MATERIAL FOR SHEETS 5-81 THRU 5-86
ALL ROCKER PINS A.S.T.M. A-237-52T CLASS A.
ALL OTHER A-373-54T, EXCEPT AS NOTED.
FOR PARTS NOT TO BE WELDED, INCLUDING
CURVED SOLE PLATES, A-7 MAY BE USED.

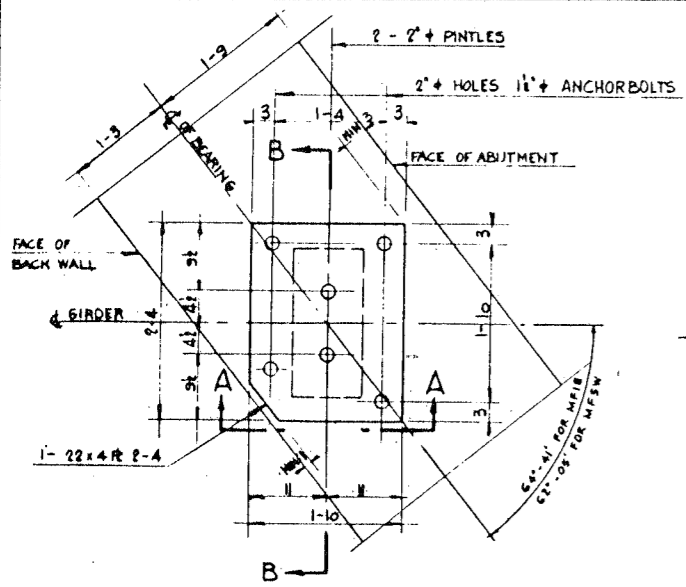


DE LEUW, CATHY & CO. ENGINEERS
DESIGNED BY R.G.H.
DRAWN BY R.G.H.
CHECKED R.A.J.
IN CHARGE W.L.L.

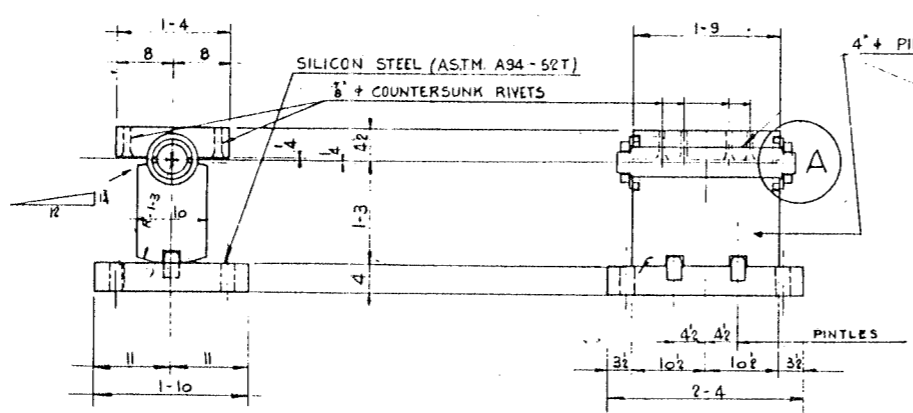
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

BEARINGS
GIRDERS C AND D
SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. 5-81 OF 134 SHEETS

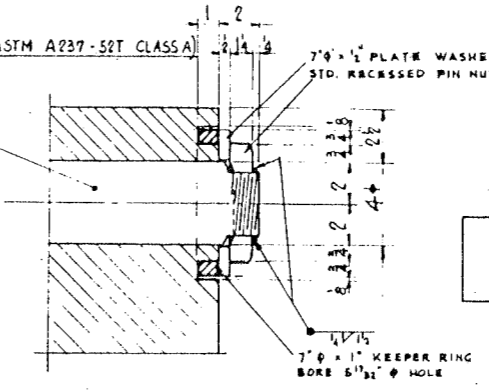
DATE	DESIGN	QUANTITY	TOTAL SHEETS	SHEET NO.
F.A. 1,2	0202.4-1	COOK	134	100
PREPARED BY: DR. C. B. BROWN		PROJECT NO. 0202.4-1		



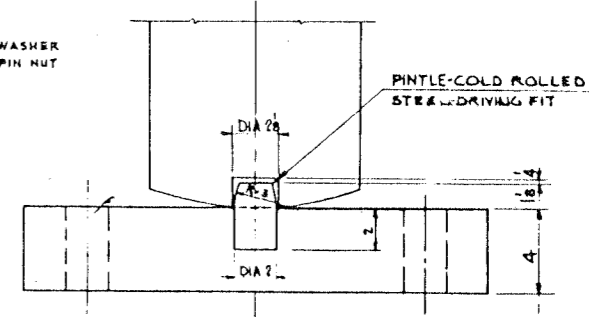
TYPICAL DETAIL OF EXPANSION BEARING
FOR MFW, MFYW, MF3W, MFAW, MF5W, MF1E, MF2E, MF3E, MF4E,
& MF5E. SCALE 1" = 1'-0"



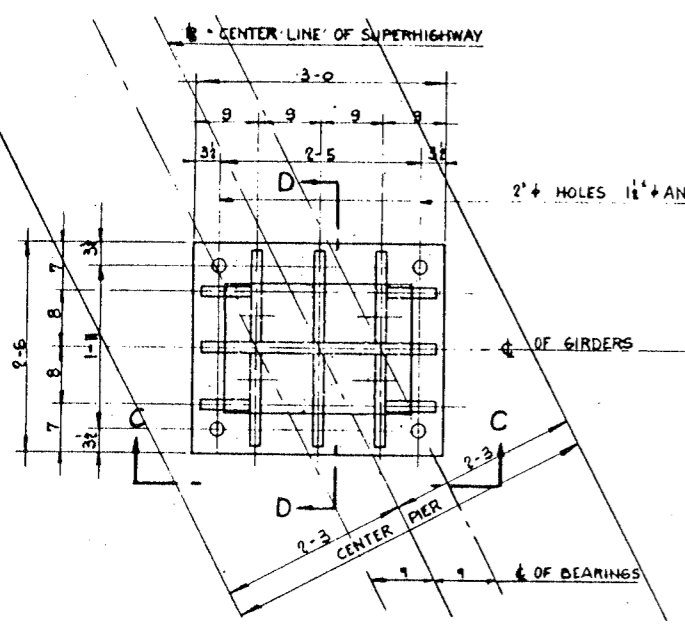
SECTION A - A
1" = 1'-0"



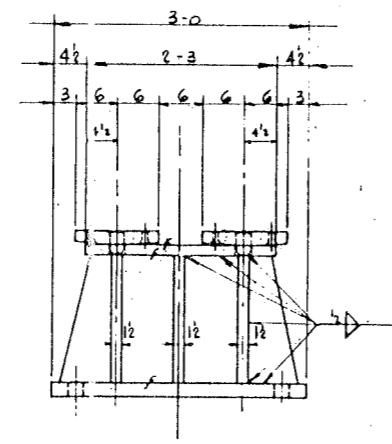
DETAIL (A)
3" = 1'-0"



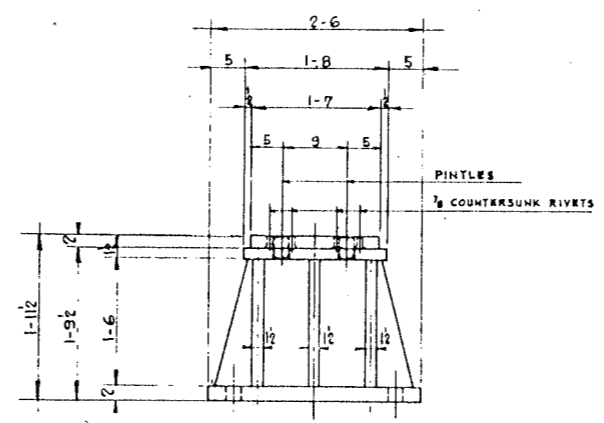
DETAIL OF PINTLE FOR EXPANSION BEARING
3" = 1'-0"



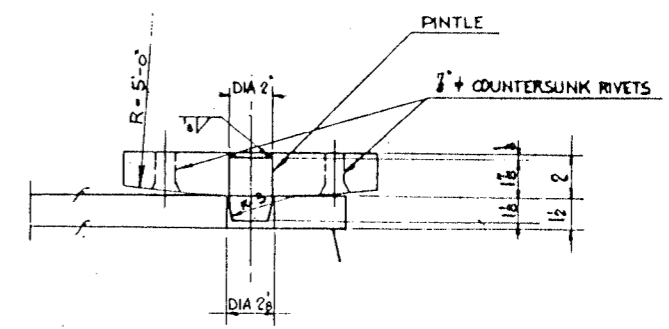
TYPICAL DETAIL OF FIXED BEARING
FOR MF1, MF2, MF3, MFA & MF5 SCALE 1" = 1'-0"



SECTION C - C
1" = 1'-0"

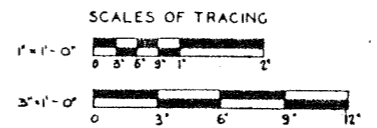


SECTION D - D
1" = 1'-0"



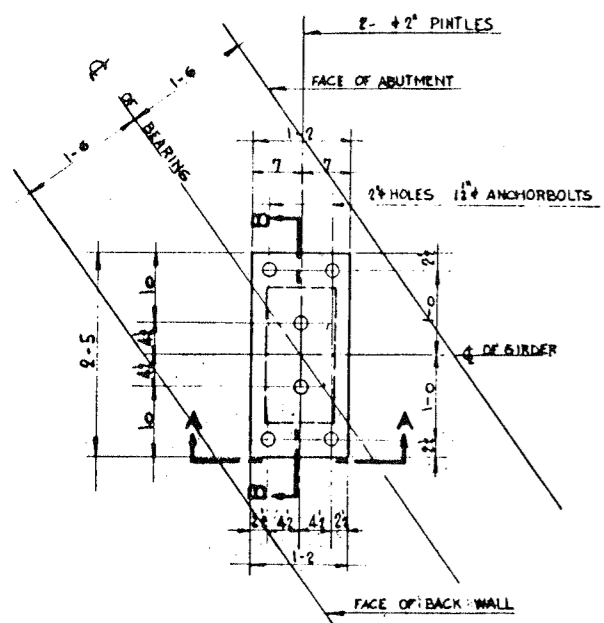
DETAIL OF PINTLE FOR FIXED BEARING
3" = 1'-0"

DE LEUW, CATHY & CO. ENGINEERS
DESIGNED BY: B.S.M.
DRAWN BY: B.S.M.
CHECKED: B.S.M.
IN CHARGE: [Signature]

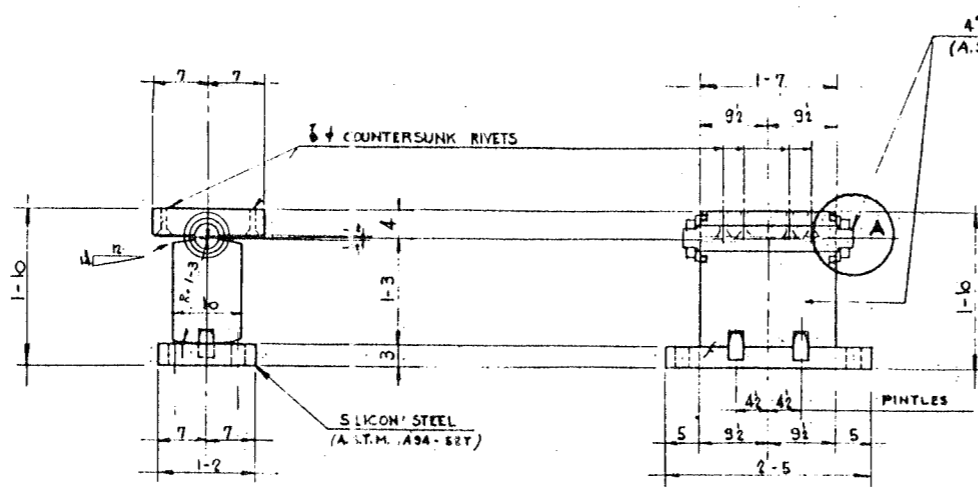


CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
BEARINGS
C.M.S.T.P. & P.R.R. FREIGHT HOUSE GIRDERS
SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. 83 OF 134 SHEETS

DATE	SECTION	DESIGNER	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	101
PREPARED BY NO. 4	ILLINOIS	FOR DRAWING NO. 2		

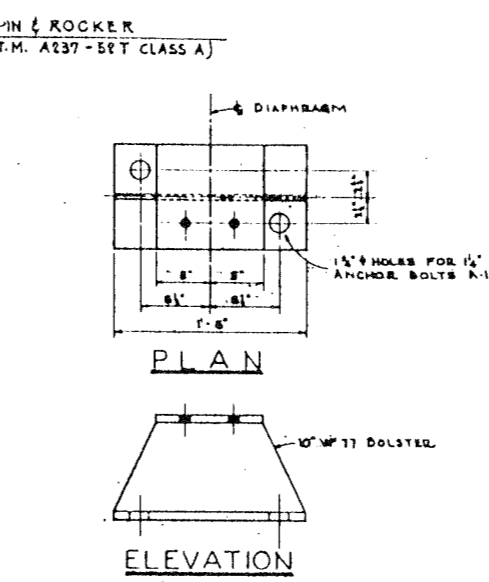


TYPICAL DETAIL OF EXPANSION BEARING
FOR D1W, D2W, D3W, D4W, C1E, C2E, C3E, C4E
1" = 1'-0"

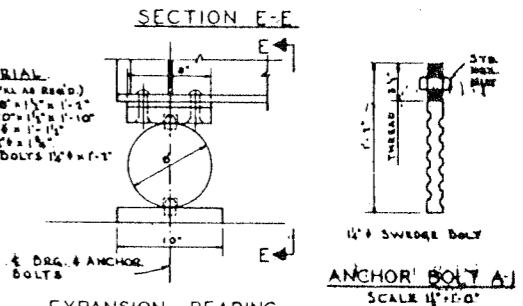
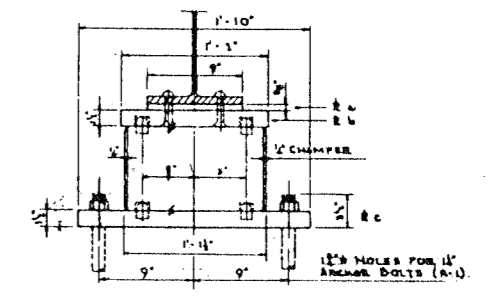


SECTION A - A
1" = 1'-0"

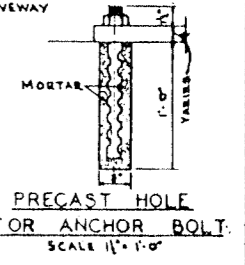
SECTION B - B
1" = 1'-0"



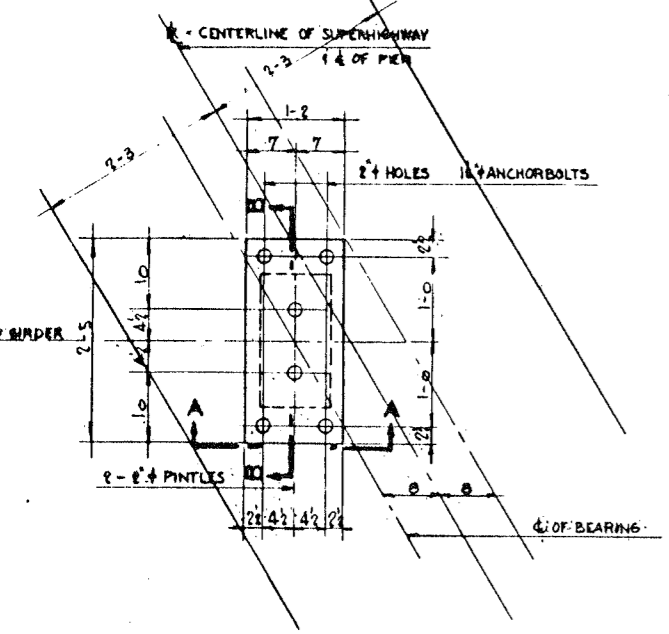
FIXED BEARING FOR END FLOOR BEAMS
SCALE 1/4" = 1'-0"



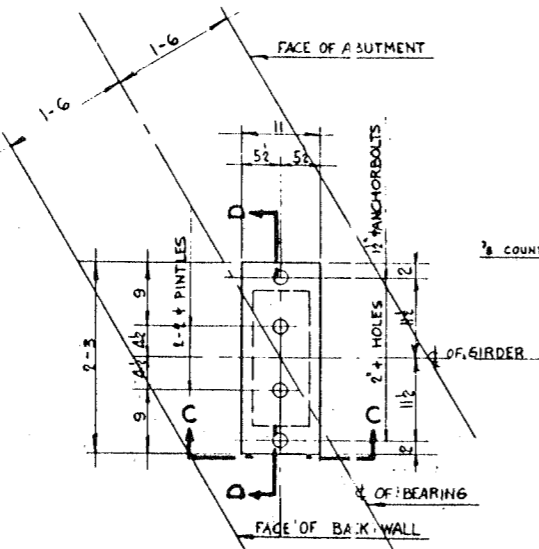
EXPANSION BEARING FOR END FLOOR BEAMS
(WAYMAN ST., CARROLL ST. & DRIVEWAY SOUTH OF KINZIE ST.)
SCALE 1/4" = 1'-0"



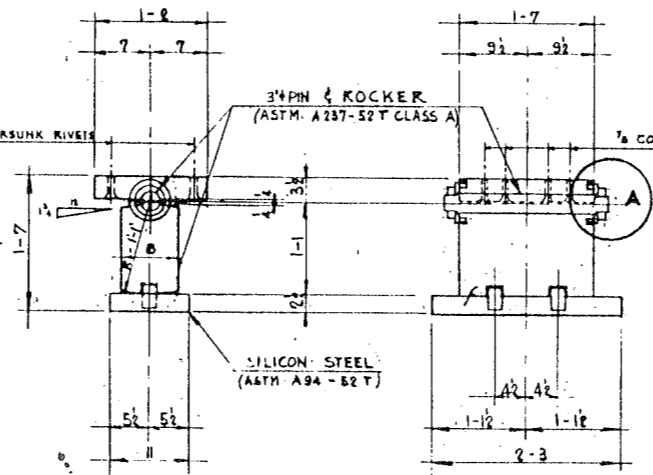
PRECAST HOLE FOR ANCHOR BOLT
SCALE 1/4" = 1'-0"



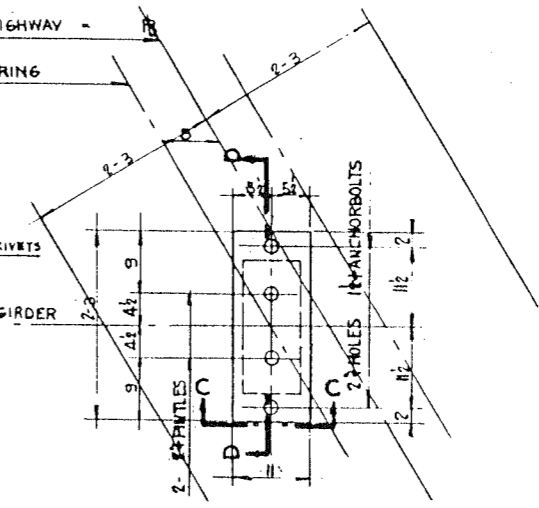
TYPICAL DETAIL OF EXPANSION BEARING
FOR C3W, C4W, C5W
1" = 1'-0"



TYPICAL DETAIL OF EXPANSION BEARING SECTION C - C
FOR W1W, W2W, W3W, W4W, W1E, W2E, W3E, W4E, D3E, D4E, D5E, D6E.
1" = 1'-0"

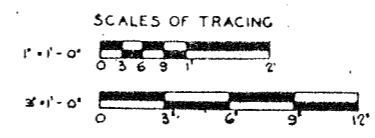


SECTION D - D
1" = 1'-0"



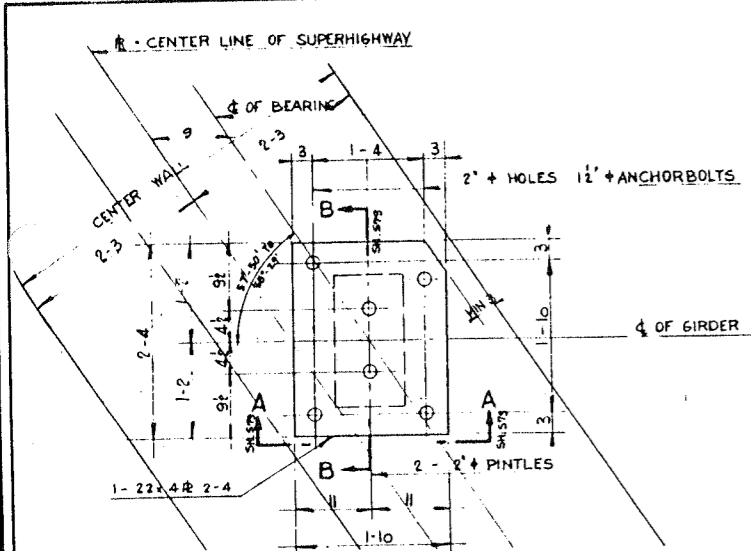
TYPICAL DETAIL OF EXPANSION BEARING
FOR C1W, C6W, C7W, C10W
1" = 1'-0"

DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY R.S.M.
DRAWN BY R.S.M.
CHECKED R.S.M.
IN CHARGE

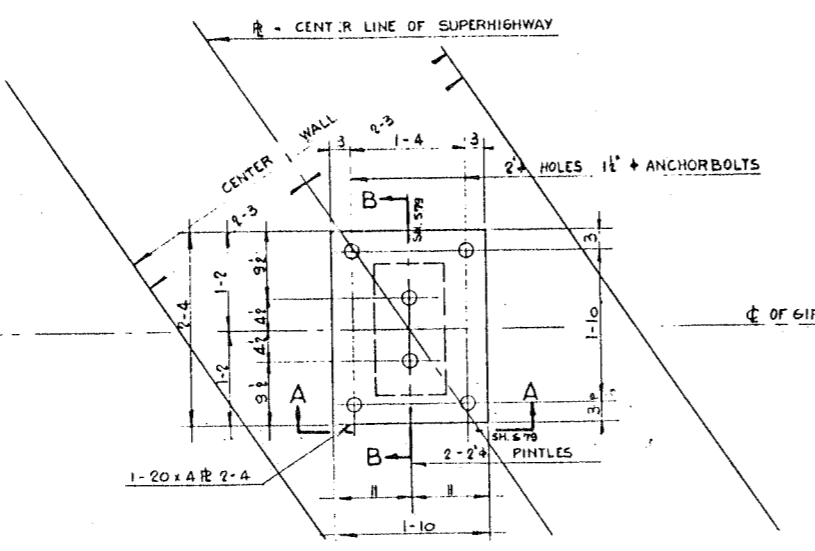


CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
BEARINGS
GIRDERS C, D AND W
SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. 5-84 OF 134 SHEETS

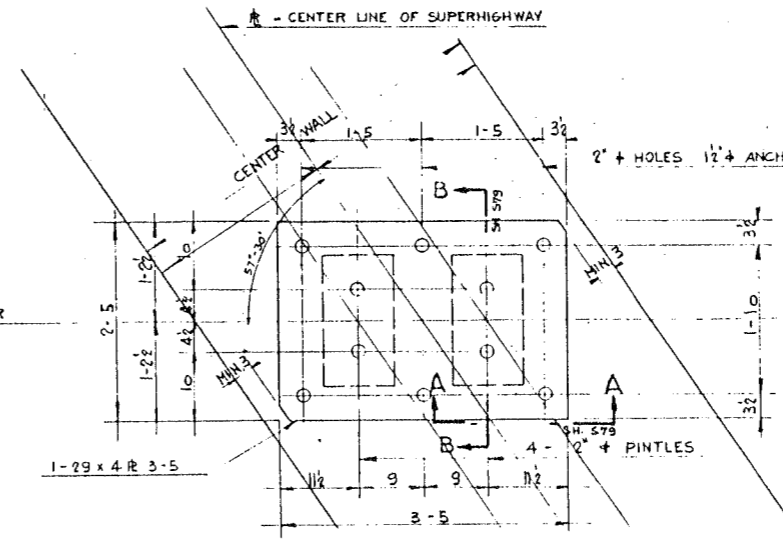
STATE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 12	0202.4-1	COOK	134	102
FOR ROAD BY DR. C. ILLINOIS			PROJECT 11-85-2001	



TYPICAL DETAIL OF EXPANSION BEARING FOR GIRDER PF2E, PF3E, (PF1W, PF2W AND PF3W OPP. HAND) 1' - 1'-0"

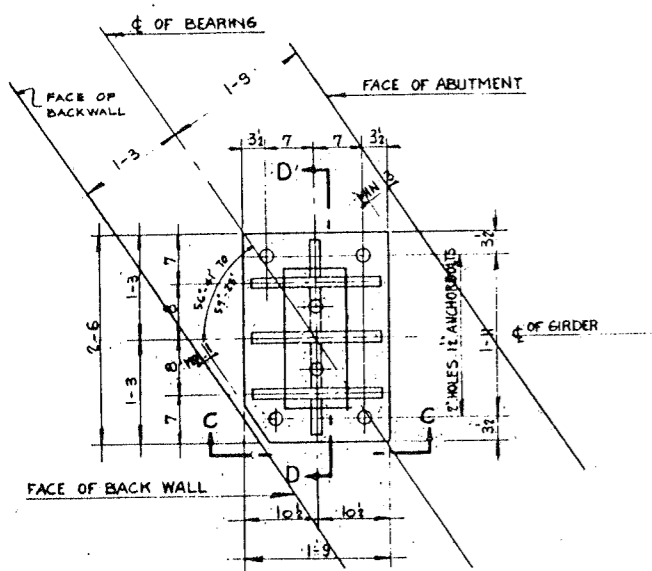


DETAIL OF EXPANSION BEARING GIRDER PF1E 1' - 1'-0"

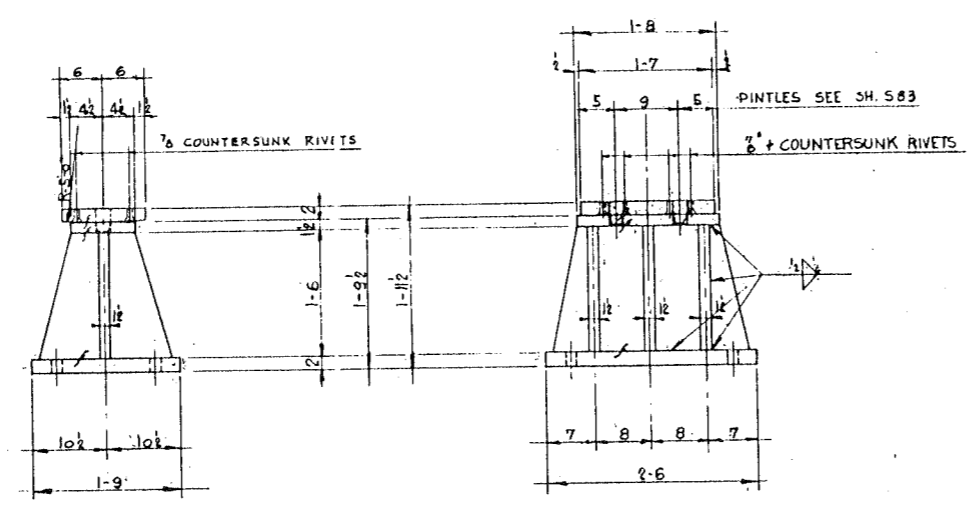


DETAIL OF EXPANSION BEARING GIRDER PF4W - PF4E 1' - 1'-0"

IMMEDIATELY BEFORE SETTING ANCHORS SATURATE THE CONCRETE SURFACE INTERIOR OF HOLE WITH WATER AND REMOVE ALL EXCESS MOISTURE. FILL HOLES FOR ANCHORS WITH SUFFICIENT STIFF CEMENT SAND MORTAR, 1:2:2 MIX, SO THAT WHEN ANCHOR IS IN FINAL POSITION, THE MORTAR WILL BE FLUSH WITH THE TOP OF CONCRETE. SCREW ANCHORS DOWN UNTIL HEAD IS ONE INCH CLEAR FROM STEEL. FILL SPACE AROUND ANCHOR BOLT IN SHOES WITH ASPHALT CEMENT.

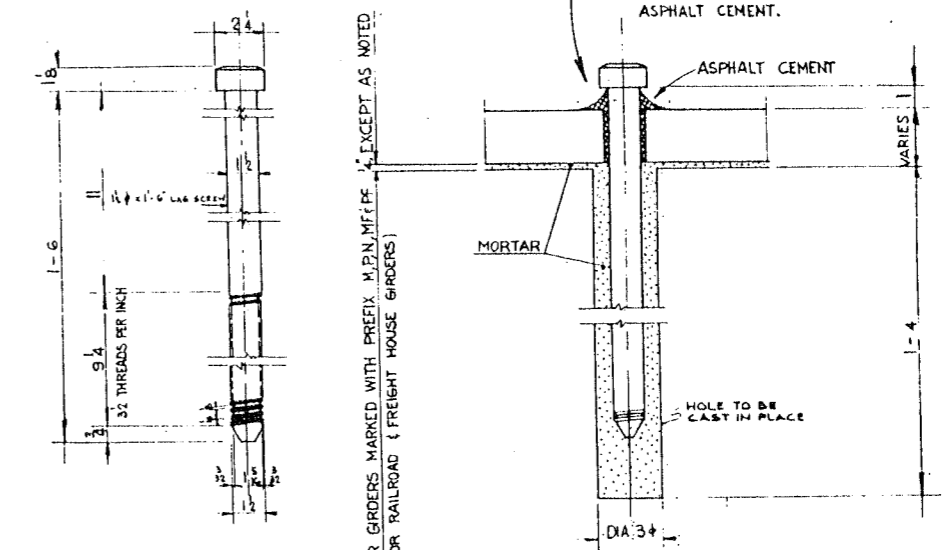


TYPICAL DETAIL OF FIXED BEARING FOR GIRDER PF1W, PF2W, PF3W, PF4W 1' - 1'-0"



SECTION C-C 1' - 1'-0"

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



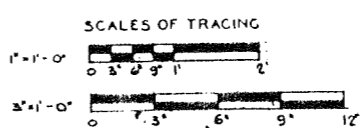
ANCHOR BOLTS 3' - 1'-0"

NOTES
FOR SECTION A-A & B-B SEE SH. 583
DETAIL OF PINTLE AND PIN SEE SH. 583

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

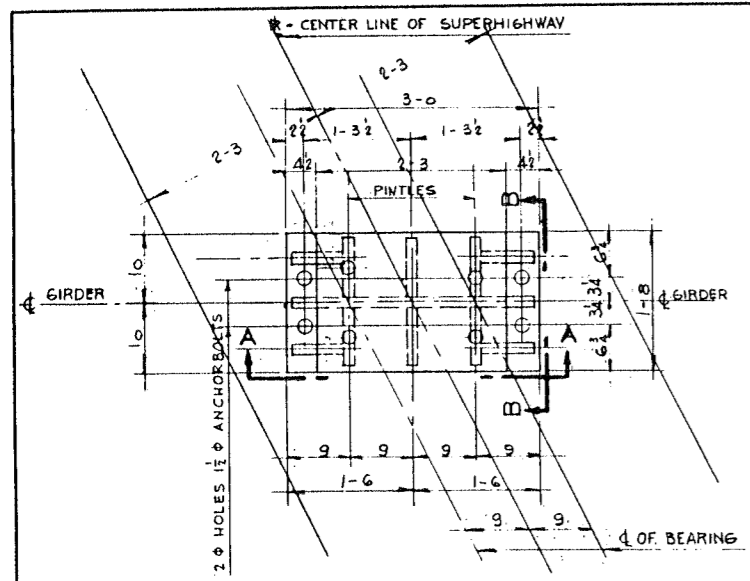
BEARINGS
P.R.R. FREIGHT HOUSE GIRDERS

KE

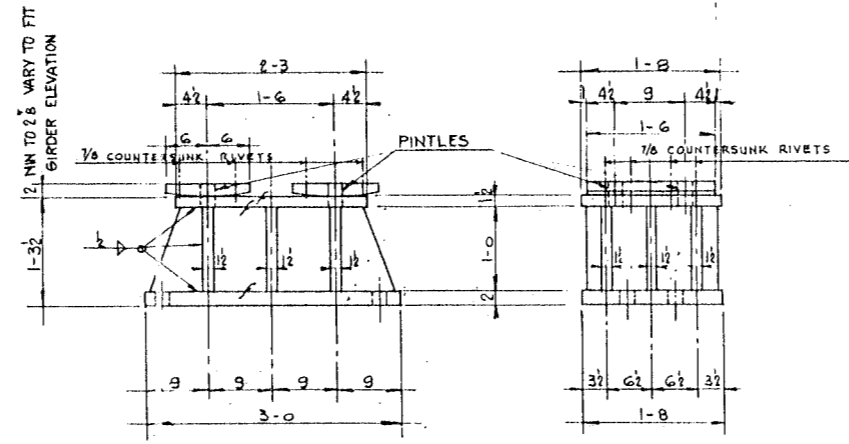


SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. 5-85 OF 134 SHEETS

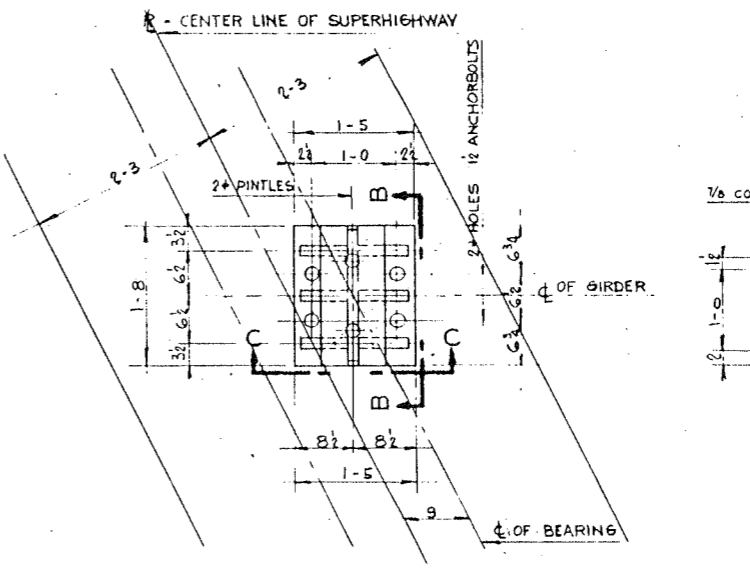
DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY R.G.M.
DRAWN BY R.G.M.
CHECKED R.G.M.
IN CHARGE R.G.M.



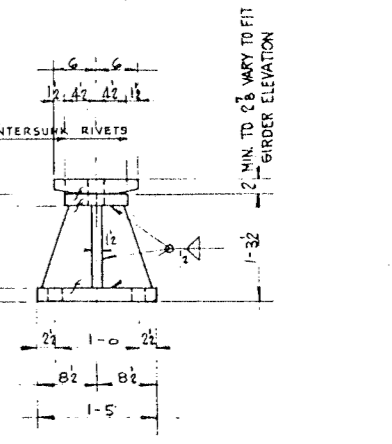
TYPICAL DETAIL OF FIXED BEARING
 1" - 1'-0"
 GIRDERS M-1 TO M-52, P-1 TO P-22, N-9 TO N-33 INCL.



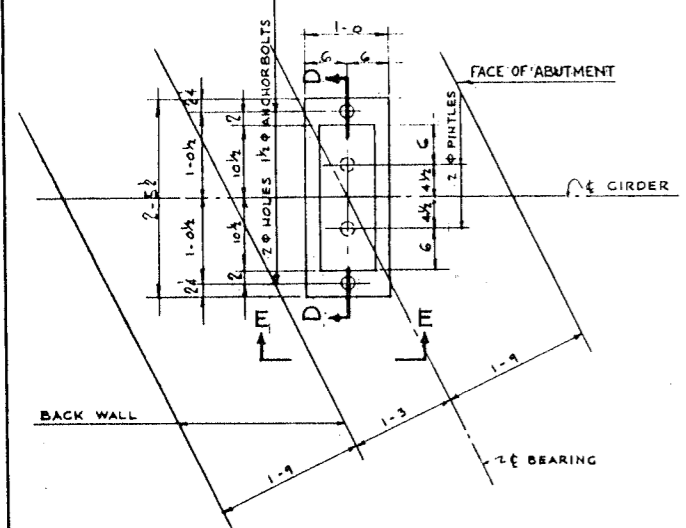
SECTION A - A 1" - 1'-0"
SECTION B - B 1" - 1'-0"



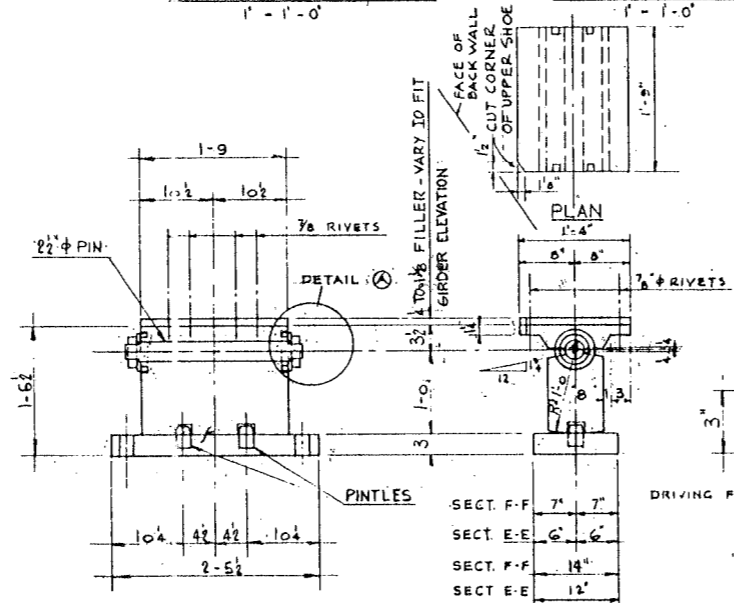
TYPICAL DETAIL OF FIXED BEARING
 1" - 1'-0"
 P-24 W, P-25 W, N-11 TO N-8 E INCL.



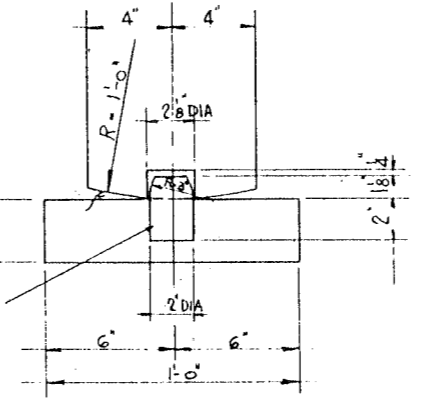
SECTION C - C 1" - 1'-0"



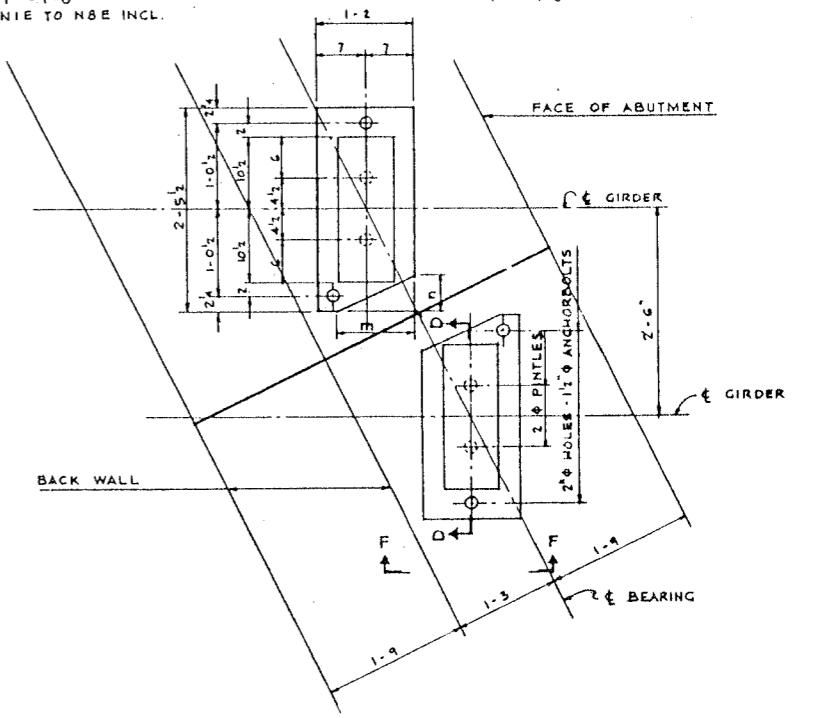
TYPICAL DETAIL OF EXPANSION BEARING
 1" - 1'-0"
 GIRDERS M-1 TO M-52, P-1 TO P-25, N-1 TO N-33 INCL., EXCEPT AS NOTED.



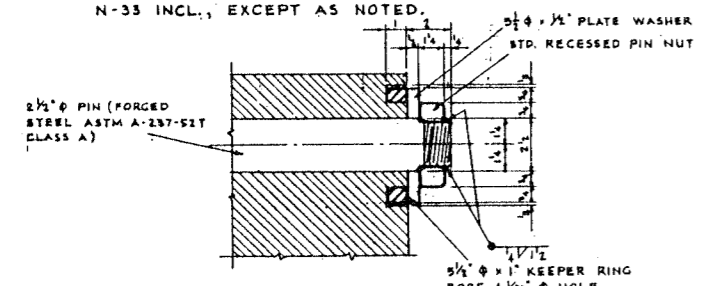
SECTION D - D 1" - 1'-0"
SECTION E - E 1" - 1'-0"
SECTION F - F 1" - 1'-0"



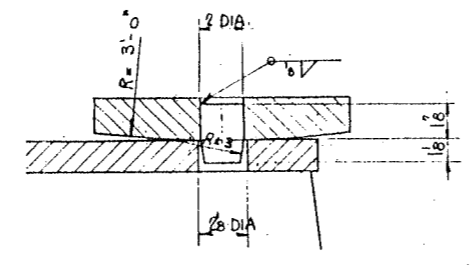
DETAIL OF PINTLE FOR ROCKER
 3" - 1'-0"



DETAIL OF EXPANSION BEARING AT JOINT IN ABUTMENT
 1" - 1'-0"



DETAIL A 3" - 1'-0"



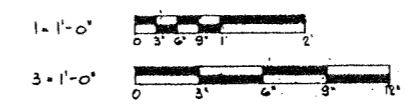
DETAIL OF PINTLE FOR FIXED SHOE
 3" - 1'-0"

NOTE
 FOR ANCHORBOLT DETAIL
 SEE SHEET 5-08

m	n	JOINT	
11 1/4	5 1/4	M8W - M9W M17W - M19W M46W - M47W	M15E - M14E M33E - M34E P4E - P5E
7 1/4	5	P13W - P14W N19W - N10W	H15E - H16E

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.

DE LEUW, CATHER & CO. ENGINEERS
 DESIGNED BY F.M.H.
 DRAWN BY R.M.H.
 CHECKED R.A.I.
 IN CHARGE

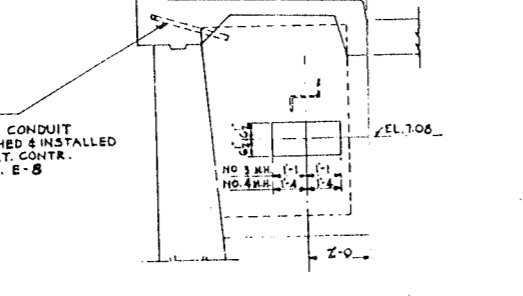
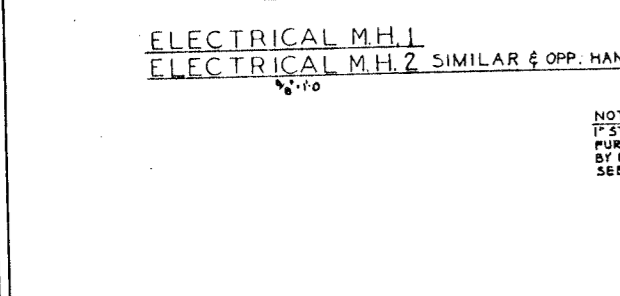
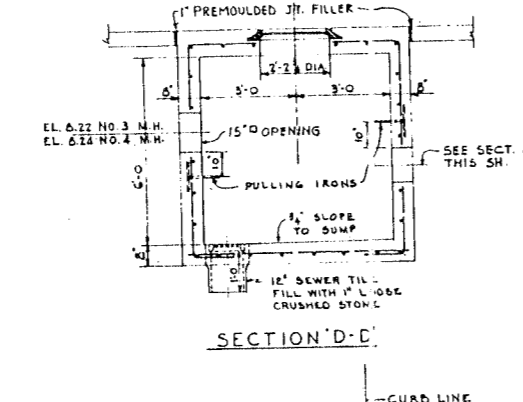
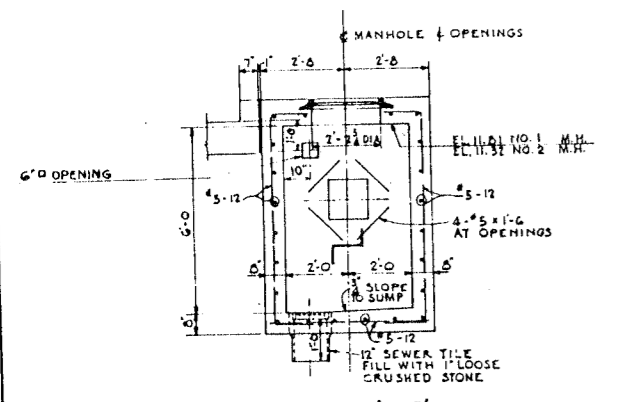
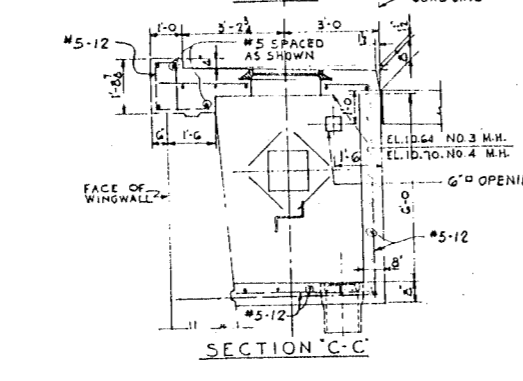
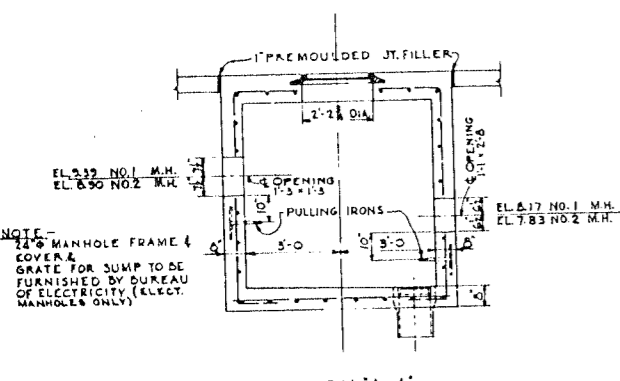
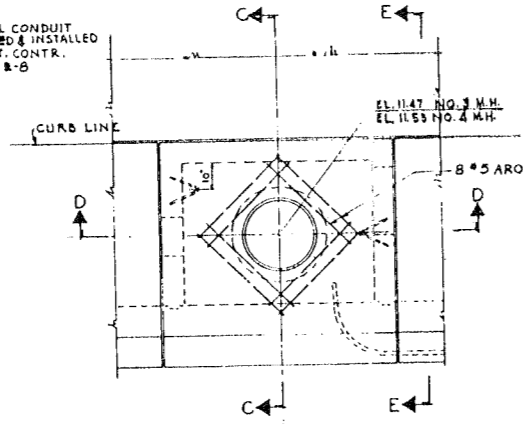
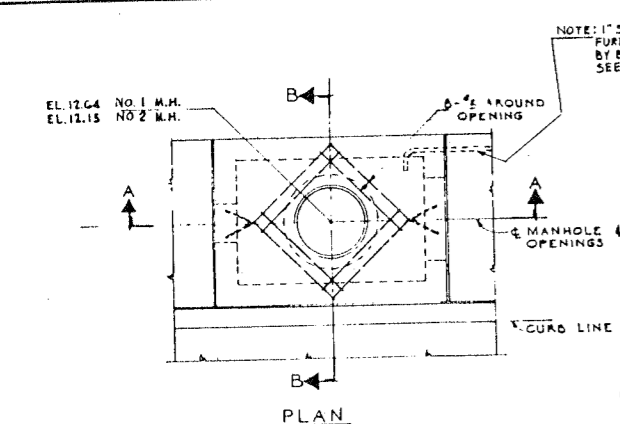


SCALE: AS NOTED

BEARINGS
 TRACK GIRDERS

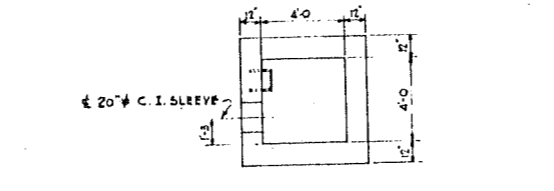
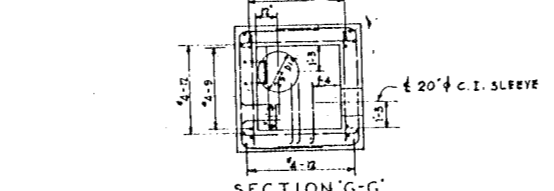
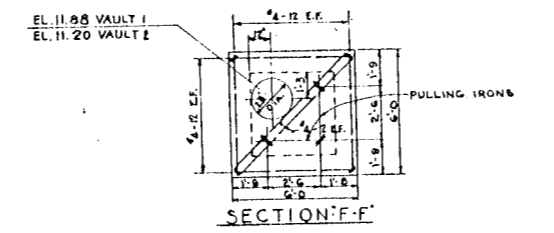
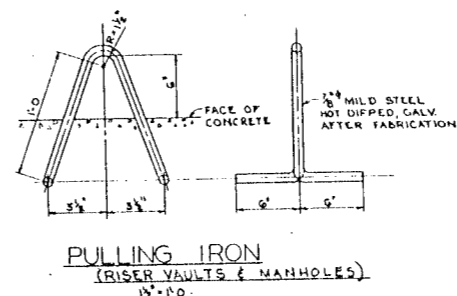
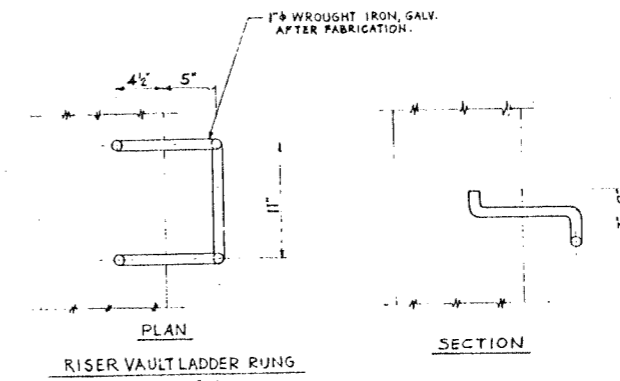
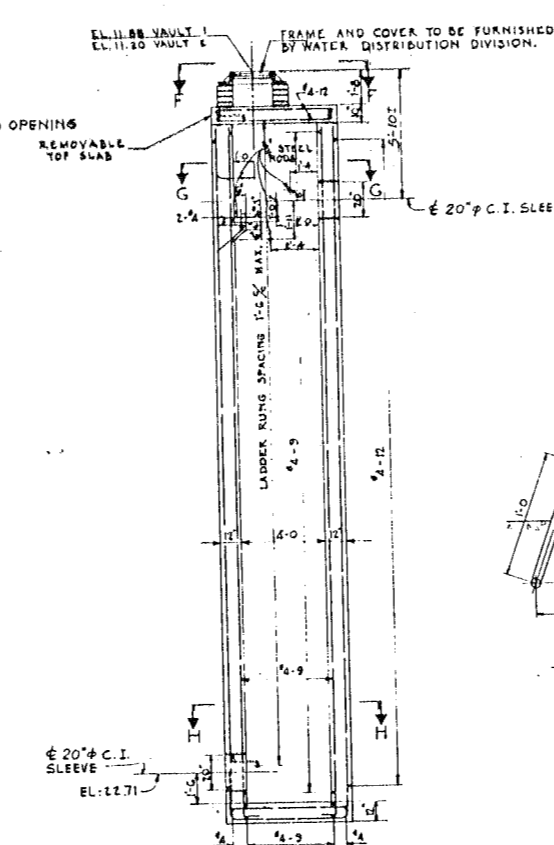
(K.E.)

DATE: MARCH 19, 1957
 SHEET NO. S-86 OF 134 SHEETS



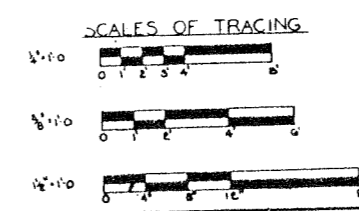
DE LEUW, CATHER & CO. ENGINEERS
 DESIGNED BY H.B.L.
 DRAWN BY W.C.E.
 CHECKED [Signature]
 IN CHARGE [Signature]

ELECTRICAL M.H. 3
 ELECTRICAL M.H. 4 SIMILAR & OPP. HAND



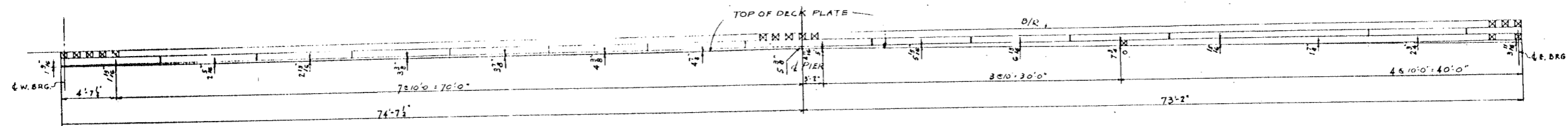
SECTION H-H
 WATER MAIN
 RISER VAULT 1
 RISER VAULT 2 SIMILAR & OPP. HAND

REFERENCES
 LOCATION OF MANHOLE 1 (7).....SHEET G-13
 LOCATION OF MANHOLE 3 (4).....SHEET G-7
 LOCATION OF RISER VAULT 1 (2).....SHEET G-13
 GENERAL NOTES.....SHEET

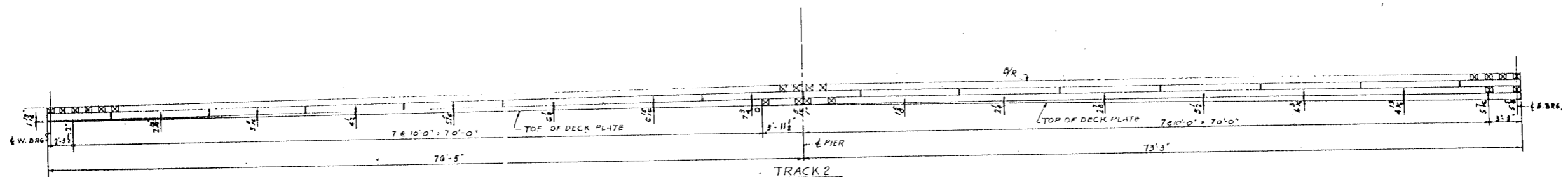


CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 MANHOLE DETAILS

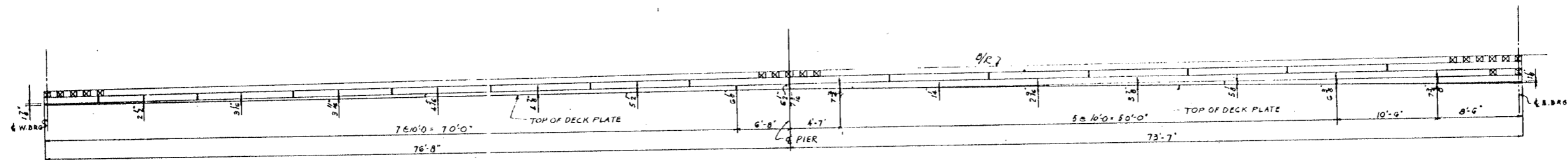
SCALE: AS NOTED
 DATE: MARCH 19, 1967
 SHEET NO. S-87 OF 134 SHEETS



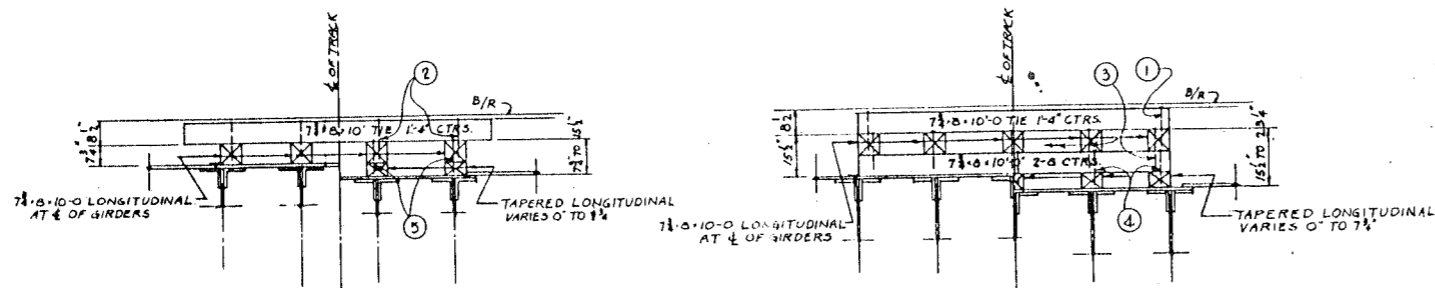
TRACK 1
TEMPORARY BLOCKING ON DECK PLATE
SCALE: 3/8" = 1'-0"



TRACK 2
SCALE: 3/8" = 1'-0"



TRACK 3
SCALE: 3/8" = 1'-0"



TYPICAL HALF-SECTIONS
SCALE: 3/8" = 1'-0"

NOTE:
BLOCKING IS DESIGNED TO SUPPORT TRACKS
AT 1" BELOW FINAL GRADE
FOR BILL OF LUMBER SEE SH 5-89

THE BLOCKING FOR TEMPORARY TRACK SUPPORT SHALL REST UPON
THE ASPHALT PLANK PROTECTION PROVIDED FOR THE MEMBRANE
WATERPROOFING. FULL BEAKING AS SHOWN ON THE DRAWING IS
NECESSARY TO PREVENT THE BLOCKING FROM CUTTING INTO
THE WATERPROOFING AND IF ALTERATIONS ARE MADE IN THE
BLOCKING IN NO CASE SHALL A LESSER BEARING AREA PER
LINEAR FOOT OF TRACK BE PROVIDED.

- ① 2" x 14" BOAT SPIKE BOTH ENDS VV// TIE TO PROJECT 1"
- ② 2" x 14" BOAT SPIKE, 2 IN EVERY TIE TO PROJECT 1"
- ③ 12" x 12" BOAT SPIKE EVERY INTERSECTION
- ④ 1/2" BOAT SPIKE (LENGTH VARIES) EVERY INTERSECTION
- ⑤ 1/2" BOAT SPIKES @ 2'-0" C.C.

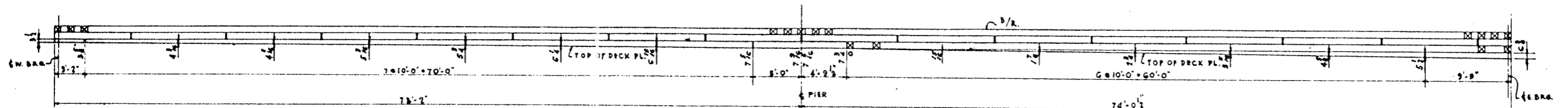
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
BLOCKING
TRACKS 1, 2, AND 3

SCALE: AS NOTED

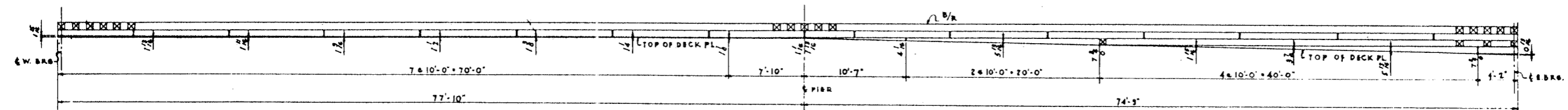
DATE: MARCH 19, 1957
SHEET NO. 5-88 OF 134 SHEETS

WE LEUW, CATHER & CO. ENGINEERS
DESIGNED BY F.W.M.
DRAWN BY A.L.B.
CHECKED H.E.W.
IN CHARGE W.P. Manning

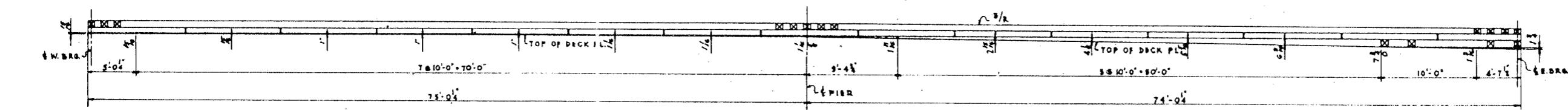
SECTION	SHEET	COUNTY	DATE	SCALE
F.A.L.R.	0202.4-1	COOK	124	108
FED. ROAD DIST. DIST. 1		ILLINOIS		



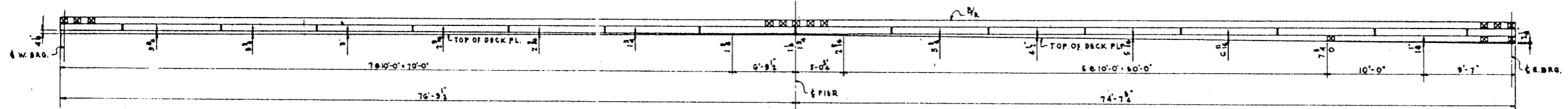
TRACK #4
TEMPORARY BLOCKING ON DECK PLATE
SCALE 1/16" = 1'-0"



TRACK #5
SCALE 1/16" = 1'-0"



TRACK #7
SCALE 1/16" = 1'-0"



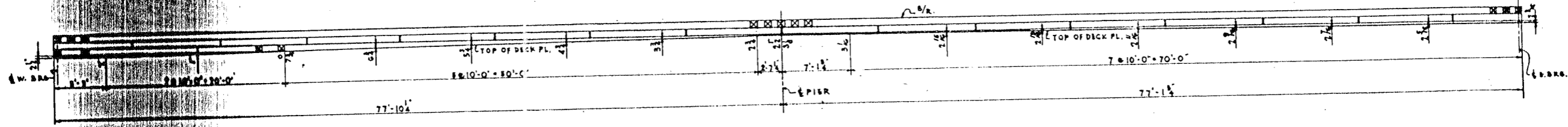
TRACK #8
SCALE 1/16" = 1'-0"

BILL OF LUMBER FOR SHEETS 588 TO 590
UNTREATED LUMBER 80 M.B.M.

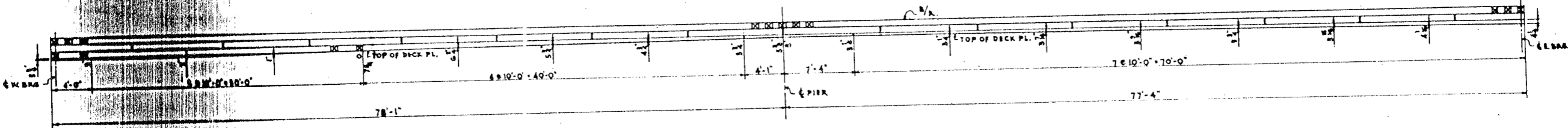
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
BLOCKING
TRACKS 4, 5, 7 AND 8

DE LEUW, CATHNER & CO. ENGINEERS
DESIGNED BY F.W.M.
DRAWN BY A.L.B.
CHECKED H.F.W.
IN CHARGE *[Signature]*

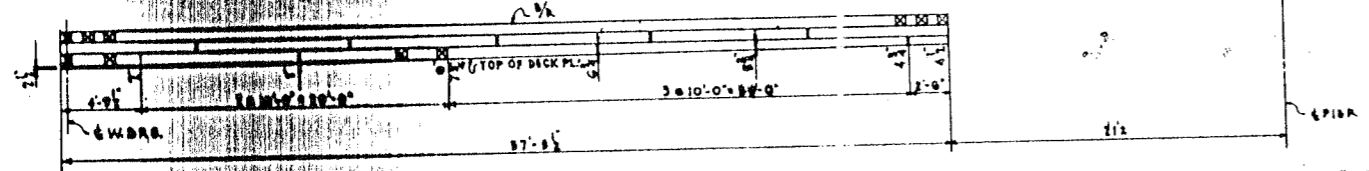
SCALE: AS NOTED DATE: MARCH 16, 1907
SHEET NO. 5-89 OF 134 SHEETS



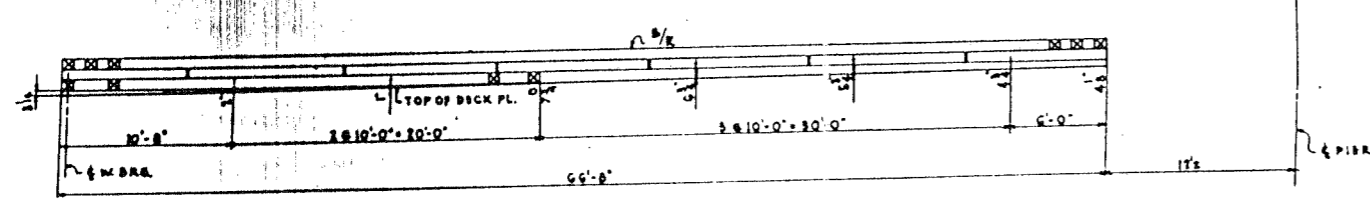
TRACK #10
TEMPORARY BLOCKING ON DECK PLATES
SCALE: 1/4"=1'-0"



TRACK #11
SCALE: 1/4"=1'-0"



TRACK #12
SCALE: 1/4"=1'-0"



TRACK #13
SCALE: 1/4"=1'-0"

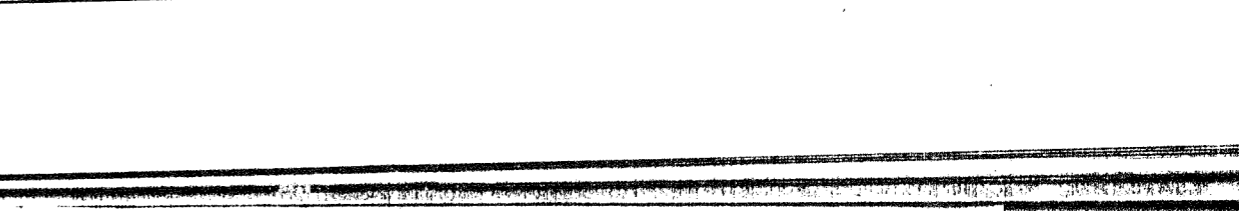
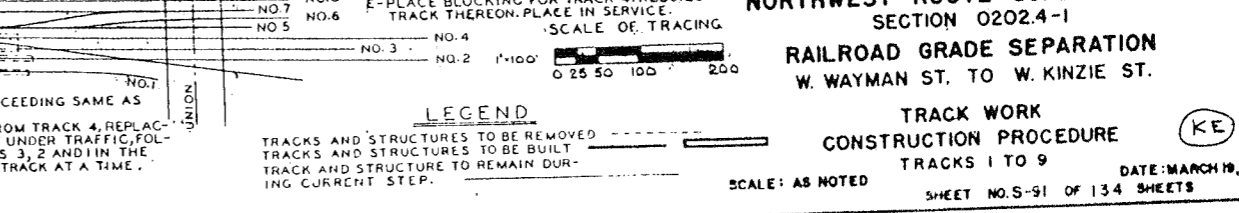
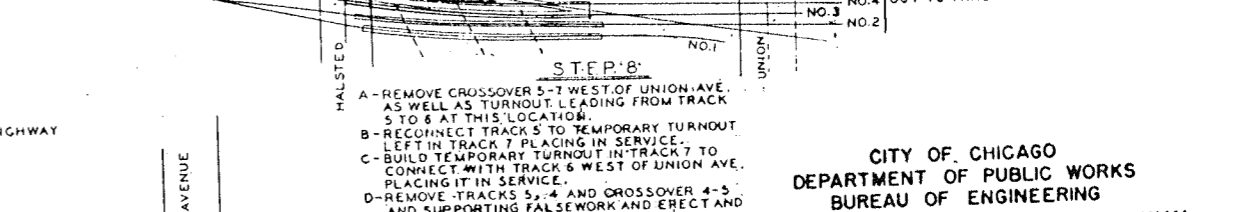
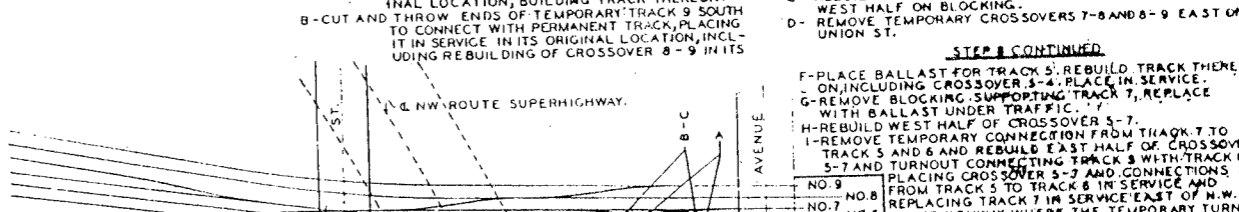
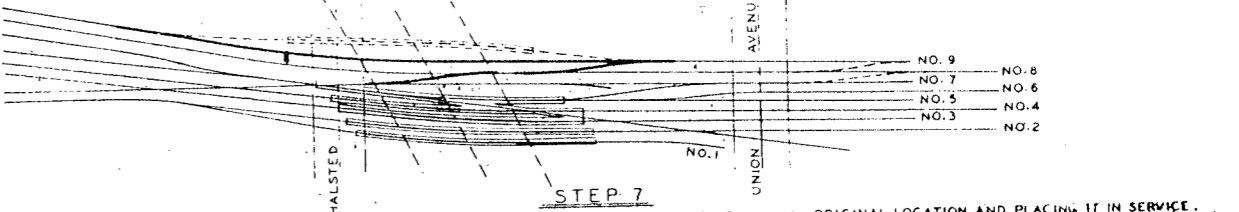
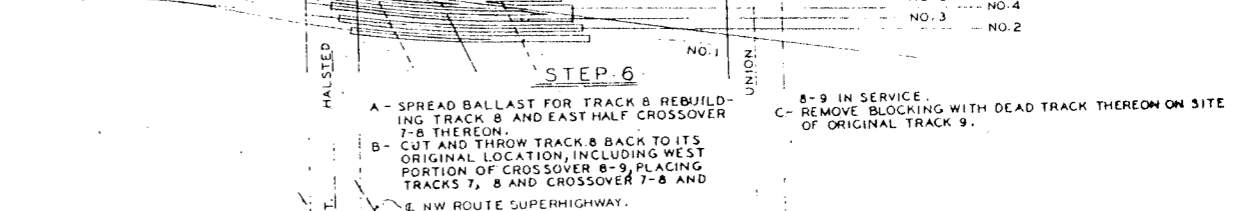
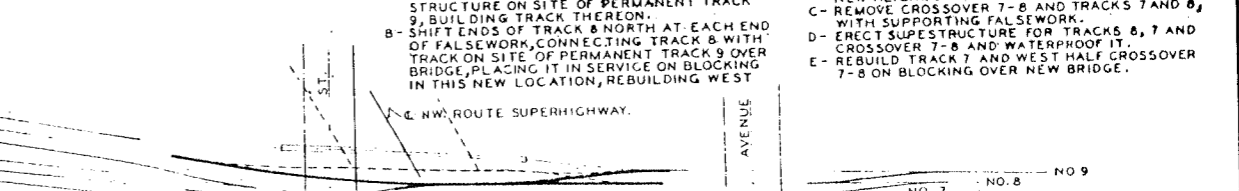
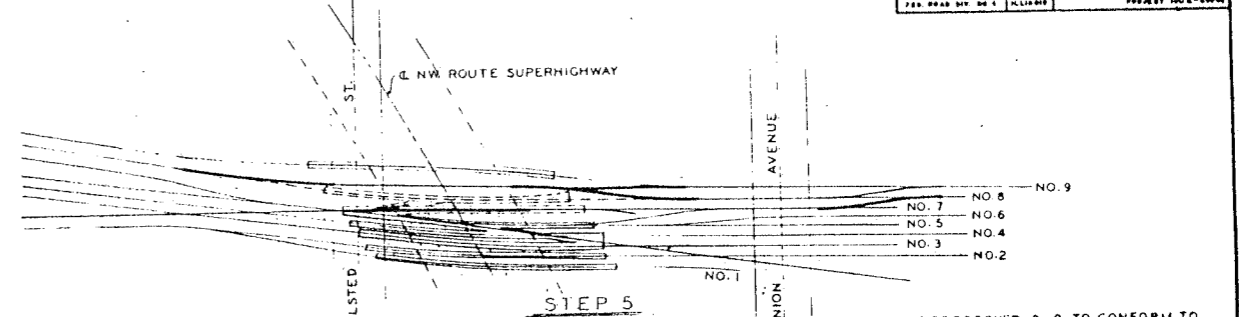
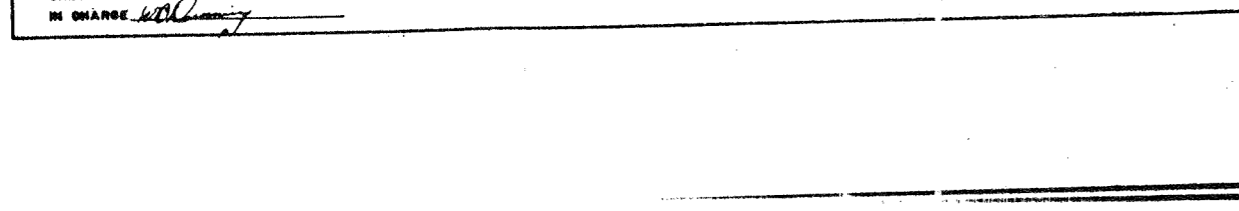
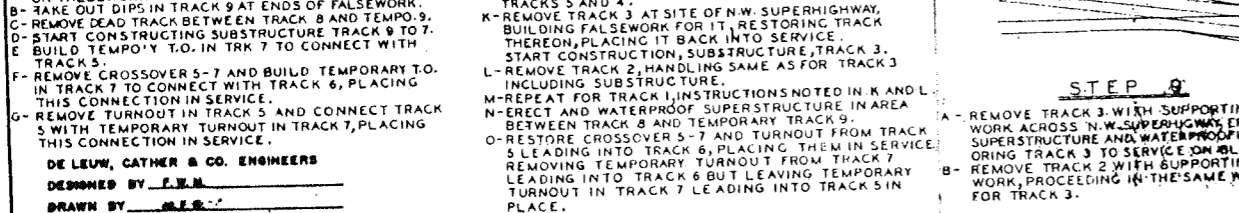
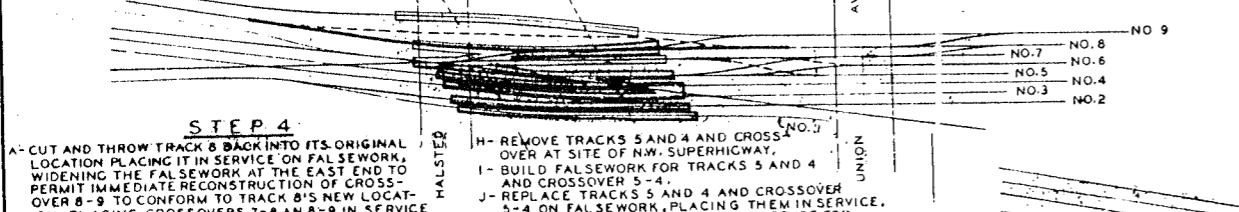
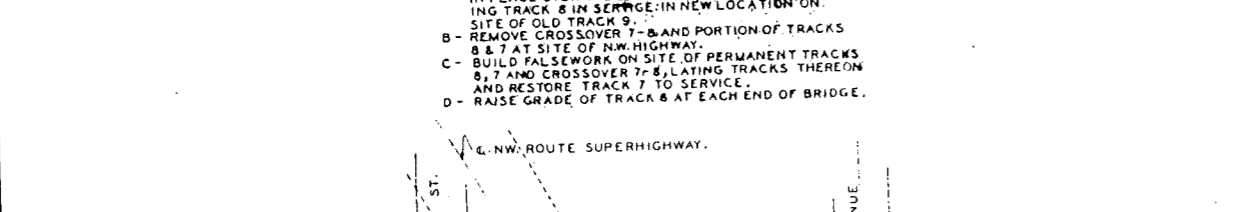
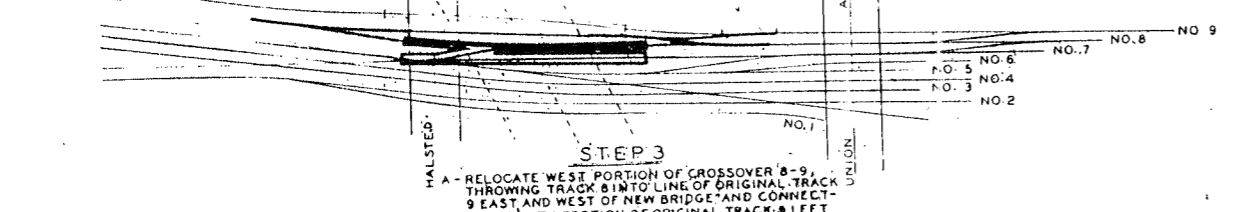
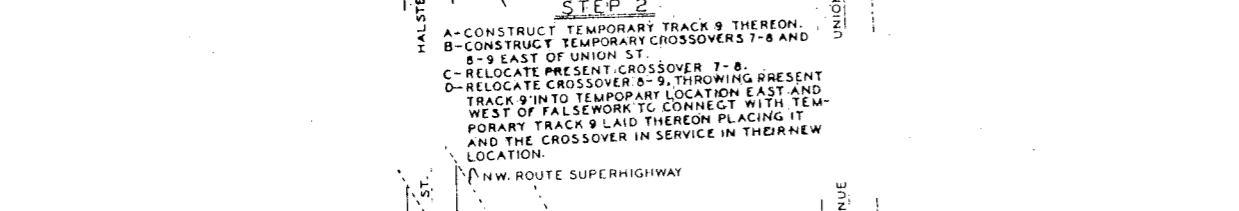
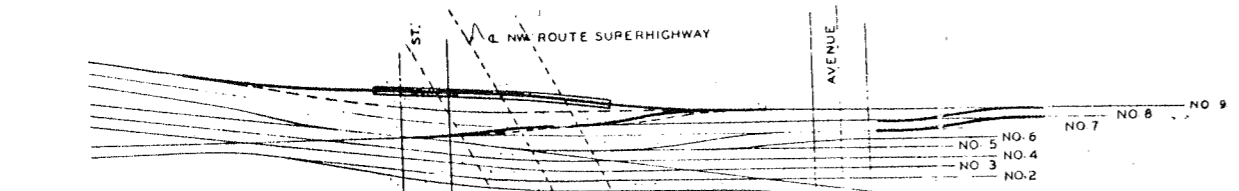
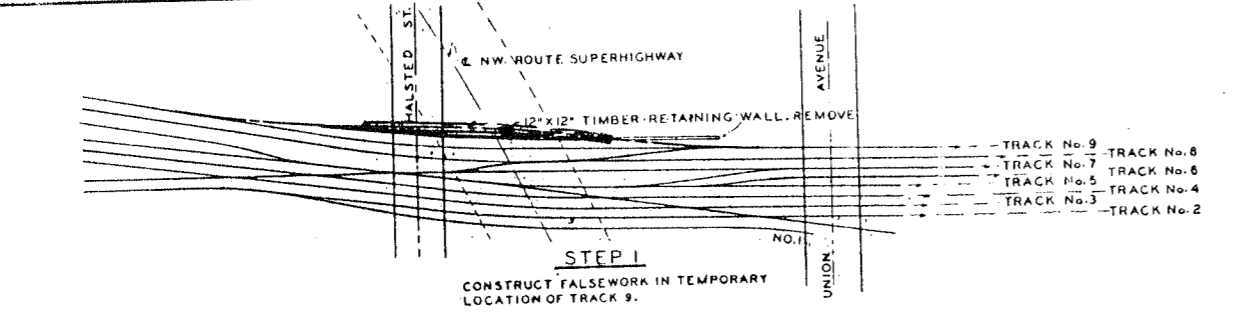
NOTE
FOR BILL OF LUMBER SEE SH 5-89

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
BLOCKING
TRACKS 10, 11, 12 AND 13

DE LEUW, CATHNER & CO. ENGINEERS
DESIGNED BY F.W.M.
DRAWN BY A.L.B.
CHECKED H.F.W.
IN CHARGE *[Signature]*

SCALE: AS NOTED
DATE: MARCH 19, 1967
SHEET NOS-90 OF 134 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	108
JOB ROAD BY NO. 1		ILLINOIS	PROJECT LOG-2064	



- STEP 4**
- A- CUT AND THROW TRACK 8 BACK INTO ITS ORIGINAL LOCATION PLACING IT IN SERVICE ON FALSEWORK, WIDENING THE FALSEWORK AT THE EAST END TO PERMIT IMMEDIATE RECONSTRUCTION OF CROSSOVER 8-9 TO CONFORM TO TRACK 8'S NEW LOCATION, PLACING CROSSOVERS 7-8 AND 8-9 IN SERVICE ON FALSEWORK.
 - B- TAKE OUT DIPS IN TRACK 9 AT ENDS OF FALSEWORK.
 - C- REMOVE DEAD TRACK BETWEEN TRACK 8 AND TEMPORARY TRACK 9.
 - D- START CONSTRUCTING SUBSTRUCTURE TRACK 9 TO 7.
 - E- BUILD TEMPORARY T.O. IN TRK 7 TO CONNECT WITH TRACK 5.
 - F- REMOVE CROSSOVER 5-7 AND BUILD TEMPORARY T.O. IN TRACK 7 TO CONNECT WITH TRACK 6, PLACING THIS CONNECTION IN SERVICE.
 - G- REMOVE TURNOUT IN TRACK 5 AND CONNECT TRACK 5 WITH TEMPORARY TURNOUT IN TRACK 7, PLACING THIS CONNECTION IN SERVICE.

- H- REMOVE TRACKS 5 AND 4 AND CROSSOVER 5-4 AT SITE OF N.W. SUPERHIGHWAY.
- I- BUILD FALSEWORK FOR TRACKS 5 AND 4 AND CROSSOVER 5-4.
- J- REPLACE TRACKS 5 AND 4 AND CROSSOVER 5-4 ON FALSEWORK, PLACING THEM IN SERVICE. START CONSTRUCTION OF SUBSTRUCTURE FOR TRACKS 5 AND 4.
- K- REMOVE TRACK 3 AT SITE OF N.W. SUPERHIGHWAY, BUILDING FALSEWORK FOR IT, RESTORING TRACK THEREON, PLACING IT BACK INTO SERVICE. START CONSTRUCTION OF SUBSTRUCTURE, TRACK 3.
- L- REMOVE TRACK 2, HANDLING SAME AS FOR TRACK 3 INCLUDING SUBSTRUCTURE.
- M- REPEAT FOR TRACK 1, INSTRUCTIONS NOTED IN K AND L.
- N- ERECT AND WATERPROOF SUPERSTRUCTURE IN AREA BETWEEN TRACK 8 AND TEMPORARY TRACK 9.
- O- RESTORE CROSSOVER 5-7 AND TURNOUT FROM TRACK 5 LEADING INTO TRACK 6, PLACING THEM IN SERVICE. REMOVING TEMPORARY TURNOUT FROM TRACK 7.
- P- REMOVE TRACK 2 WITH SUPPORTING FALSEWORK LEADING INTO TRACK 6 BUT LEAVING TEMPORARY TURNOUT IN TRACK 7 LEADING INTO TRACK 5 IN PLACE.

- STEP 9**
- A- REMOVE TRACK 3 WITH SUPPORTING FALSEWORK ACROSS N.W. SUPERHIGHWAY, ERECTING SUPERSTRUCTURE AND WATERPROOFING, RESTORING TRACK 3 TO SERVICE ON BLOCKING.
 - B- REMOVE TRACK 2 WITH SUPPORTING FALSEWORK, PROCEEDING IN THE SAME MANNER AS FOR TRACK 3.
 - C- REMOVE TRACK 1, PROCEEDING SAME AS FOR TRACK 2.
 - D- REMOVE BLOCKING FROM TRACK 4, REPLACING IT WITH BALLAST UNDER TRAFFIC, FOLLOWING WITH TRACKS 3, 2 AND IN THE SAME MANNER, ONE TRACK AT A TIME.

DESIGNED BY F.W.M.
 DRAWN BY M.S.
 CHECKED H.S.D.
 IN CHARGE W.C. [Signature]

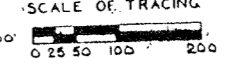
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 TRACK WORK
 CONSTRUCTION PROCEDURE
 TRACKS 1 TO 9
 DATE: MARCH 19, 1957
 SHEET NO. 51 OF 134 SHEETS

LEGEND

TRACKS AND STRUCTURES TO BE REMOVED

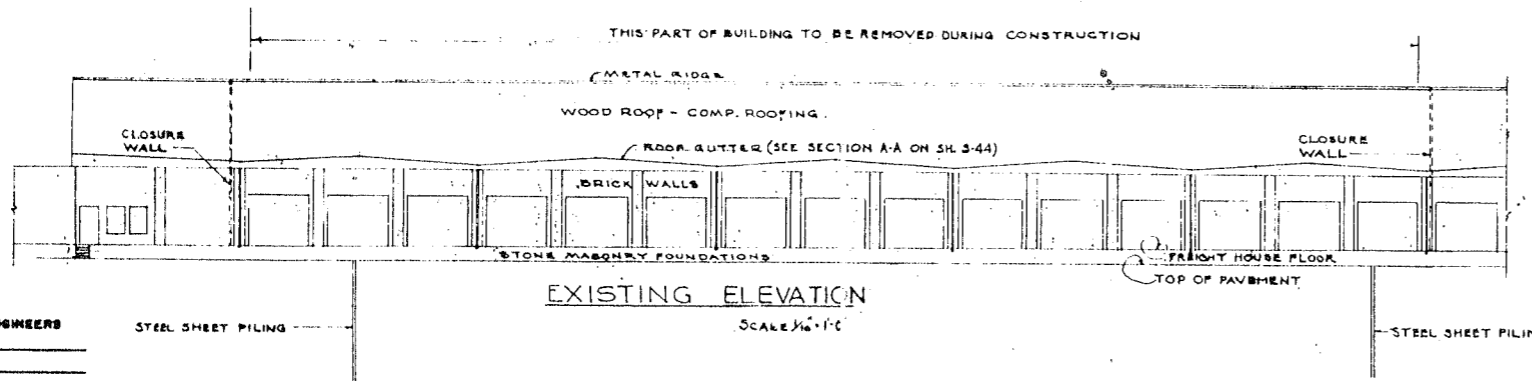
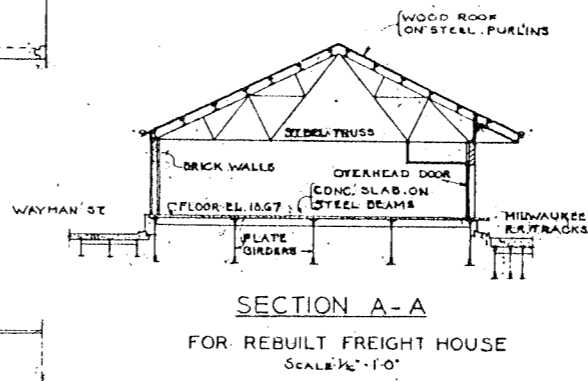
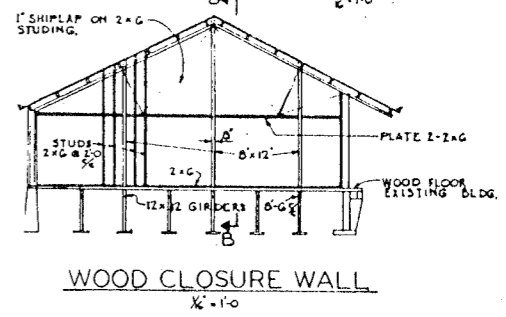
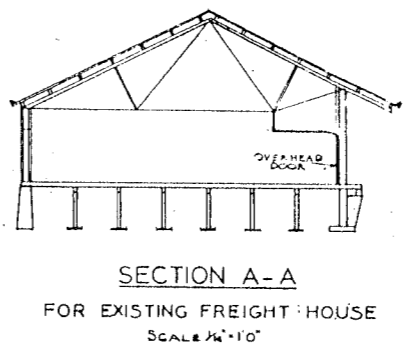
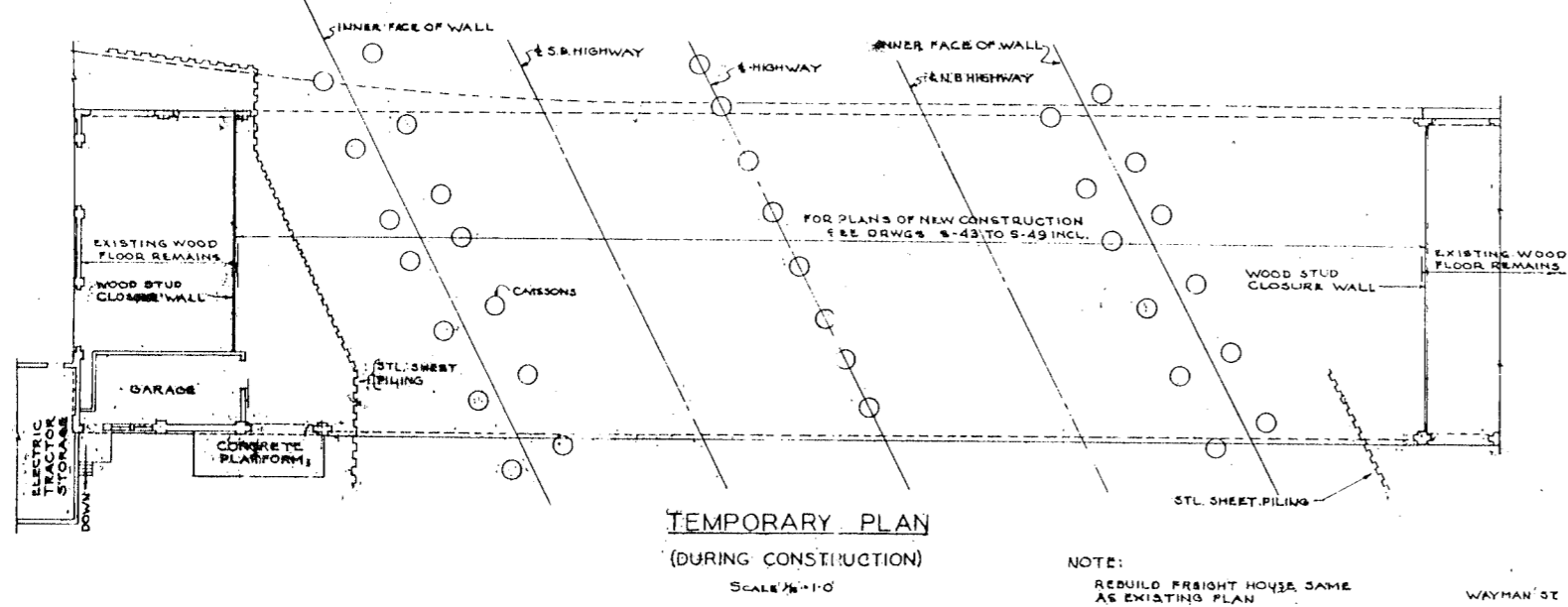
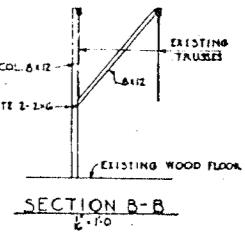
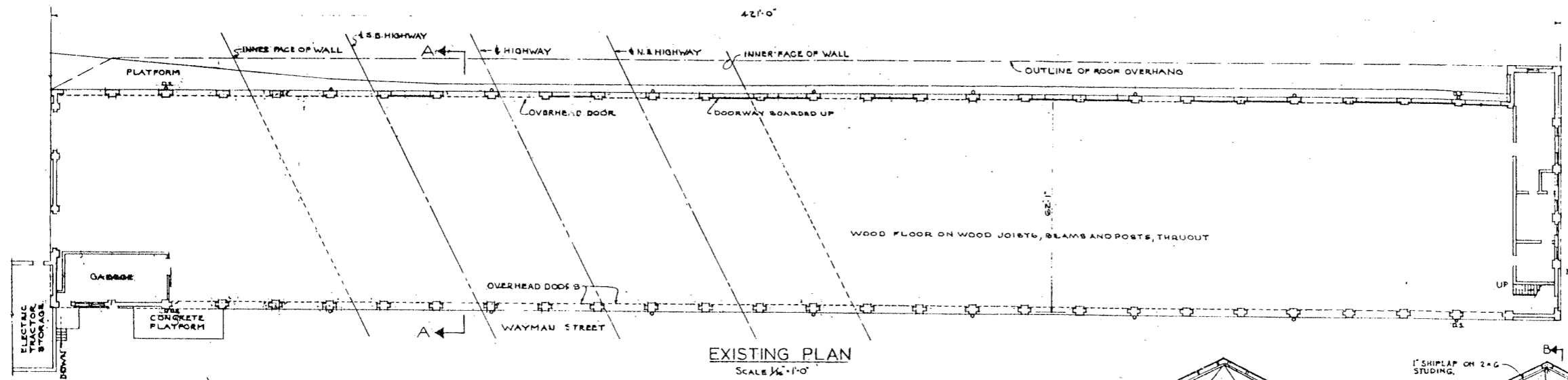
TRACKS AND STRUCTURES TO BE BUILT

TRACK AND STRUCTURE TO REMAIN DURING CURRENT STEP.

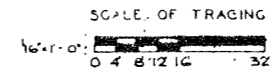


KE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 13	0202.4-1	COOK	134	109
FEB ROAD DIV. NO. 2		ILLINOIS	PROJECT 2-02-02	



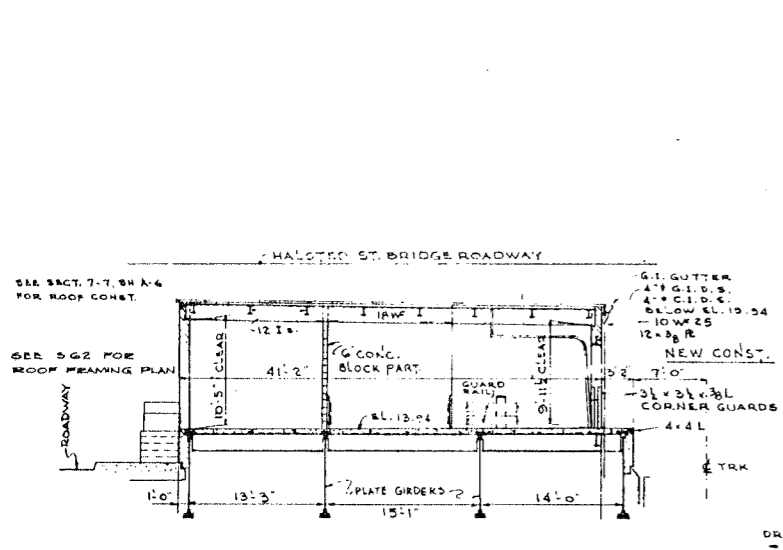
NOTE:
REBUILD FREIGHT HOUSE SAME AS EXISTING PLAN SEE DRWG. S-45 TO S-49 INCL.



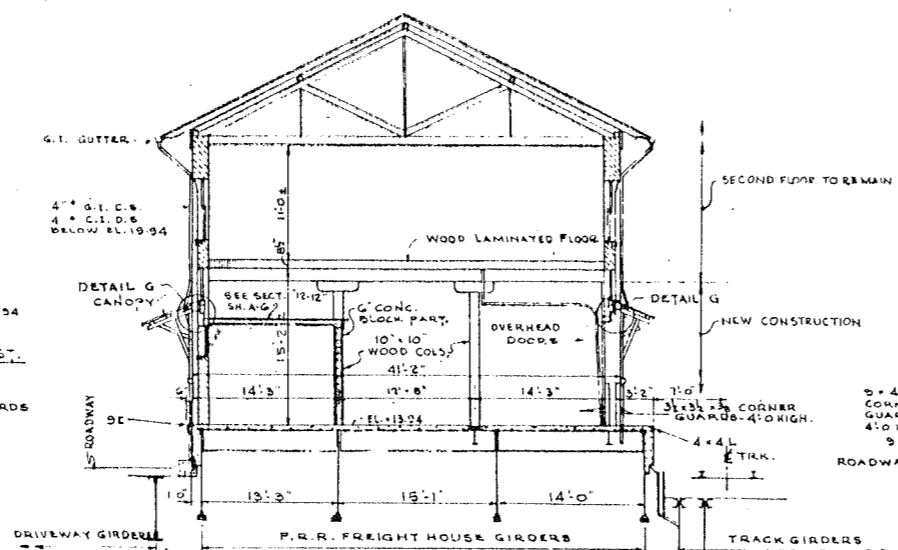
DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY S.A.L.
DRAWN BY F.S.
CHECKED S.E.S.
IN CHARGE *[Signature]*

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
C.M. ST. P. & P.R.R. FREIGHT HOUSE NO. 1
PLANS & ELEVATION
SCALE: AS NOTED
DATE: MARCH 19, 1907
SHEET NO. A-1 OF 134 SHEETS

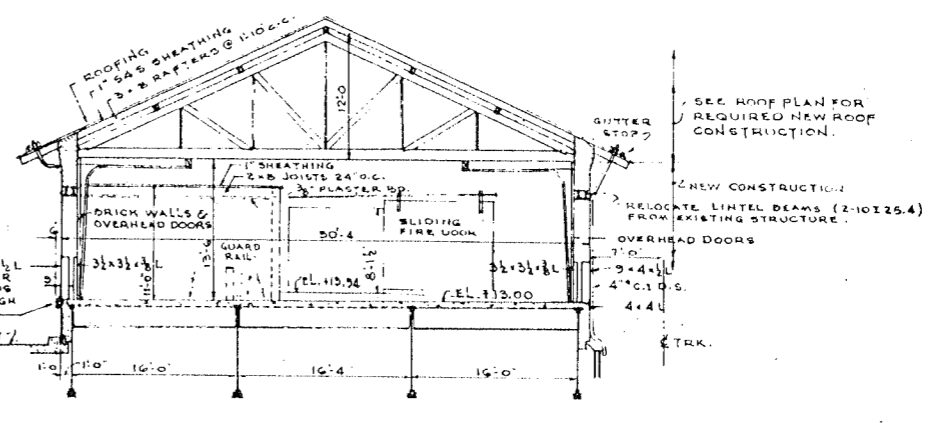
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1-2	0202.4-1	COOK	134	111
DESIGNED BY	DRAWN BY	CHECKED BY	IN CHARGE	DATE
				MARCH 19, 1957



SECTION E-E
SCALE: 1/8"=1'-0"

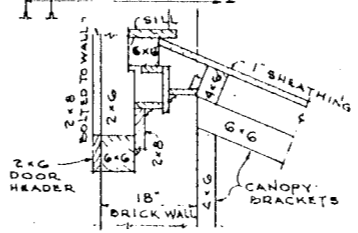


SECTION F-F
SCALE: 1/8"=1'-0"



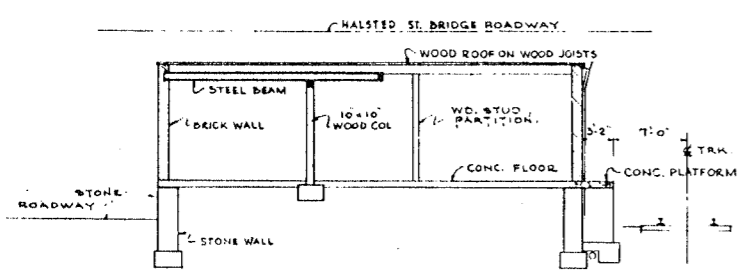
SECTION G-G
SCALE: 1/8"=1'-0"

PERMANENT STRUCTURE

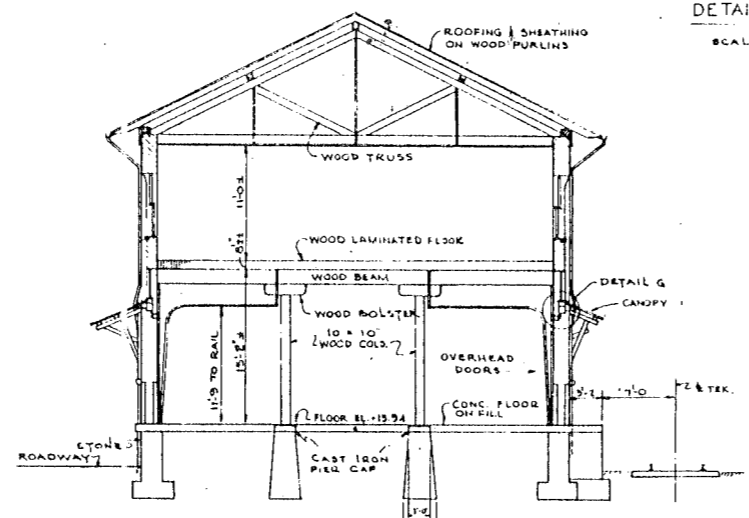


DETAIL G
SCALE: 3/4"=1'-0"

NOTE:
FOR P.R.R. FREIGHT HOUSE GIRDERS
SEE SH. 5-61

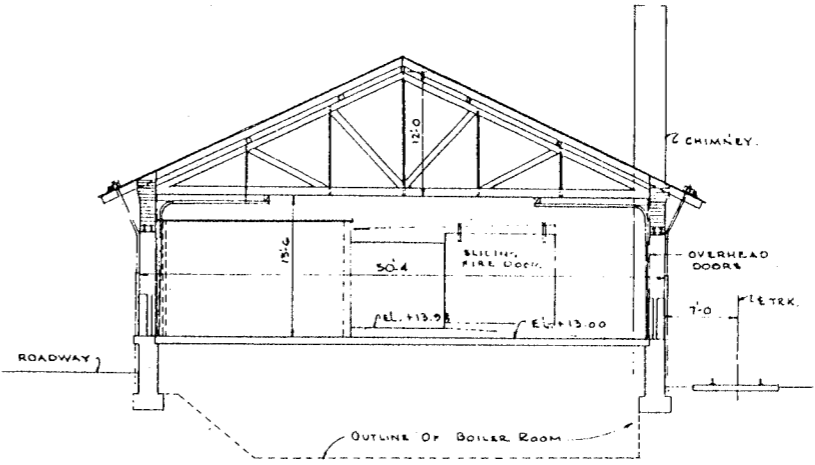


SECTION C-C
SCALE: 1/8"=1'-0"



SECTION B-B
SCALE: 1/8"=1'-0"

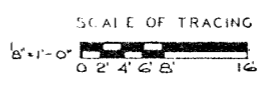
EXISTING STRUCTURE



SECTION D-D
SCALE: 1/8"=1'-0"

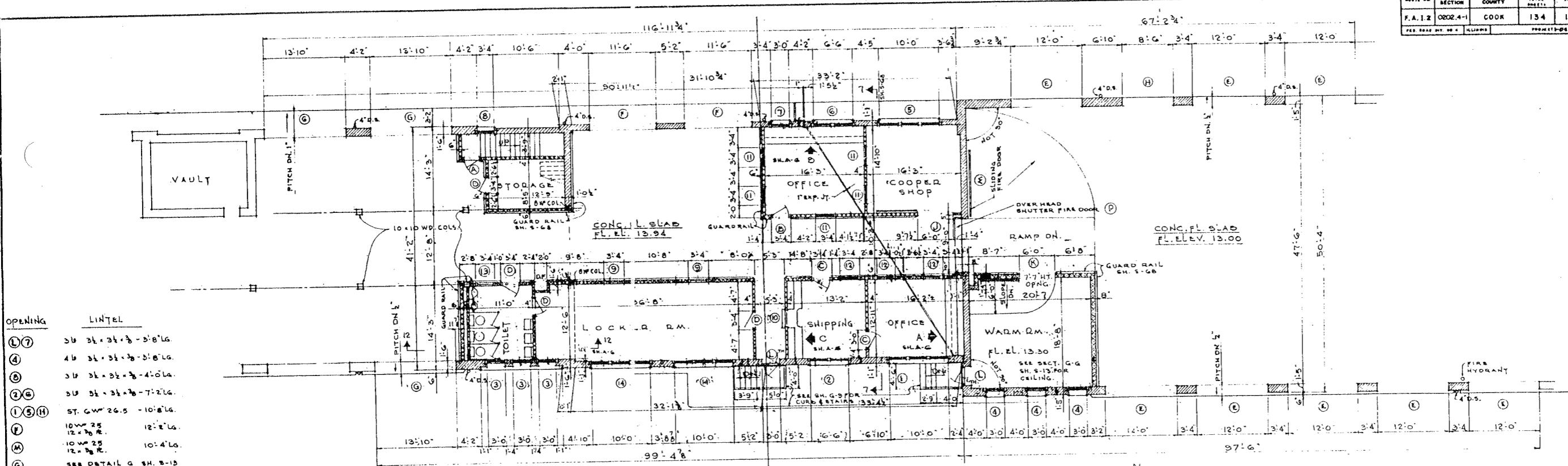
FOR LOCATION OF SECTIONS SEE SH. A-2

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
P.R.R. HALSTED ST. FREIGHT HOUSE
SECTIONS



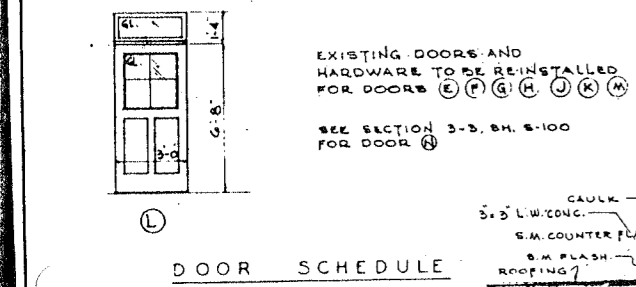
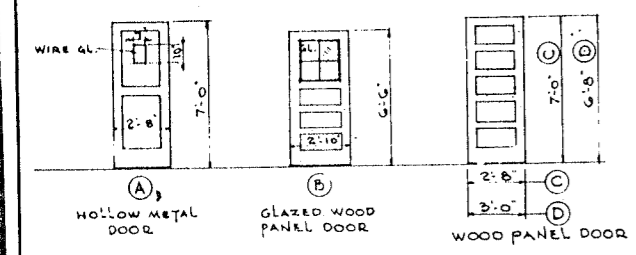
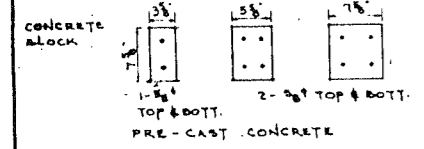
SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. A-3 OF 134 SHEETS

DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY B.A.L.
DRAWN BY W.C.K.
CHECKED R.E.B.
IN CHARGE *[Signature]*

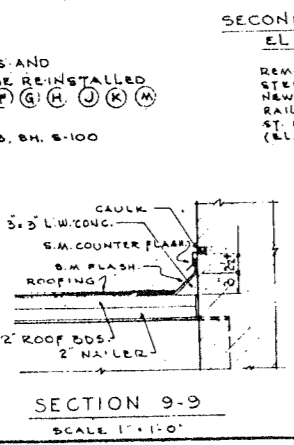


OPENING LINTEL

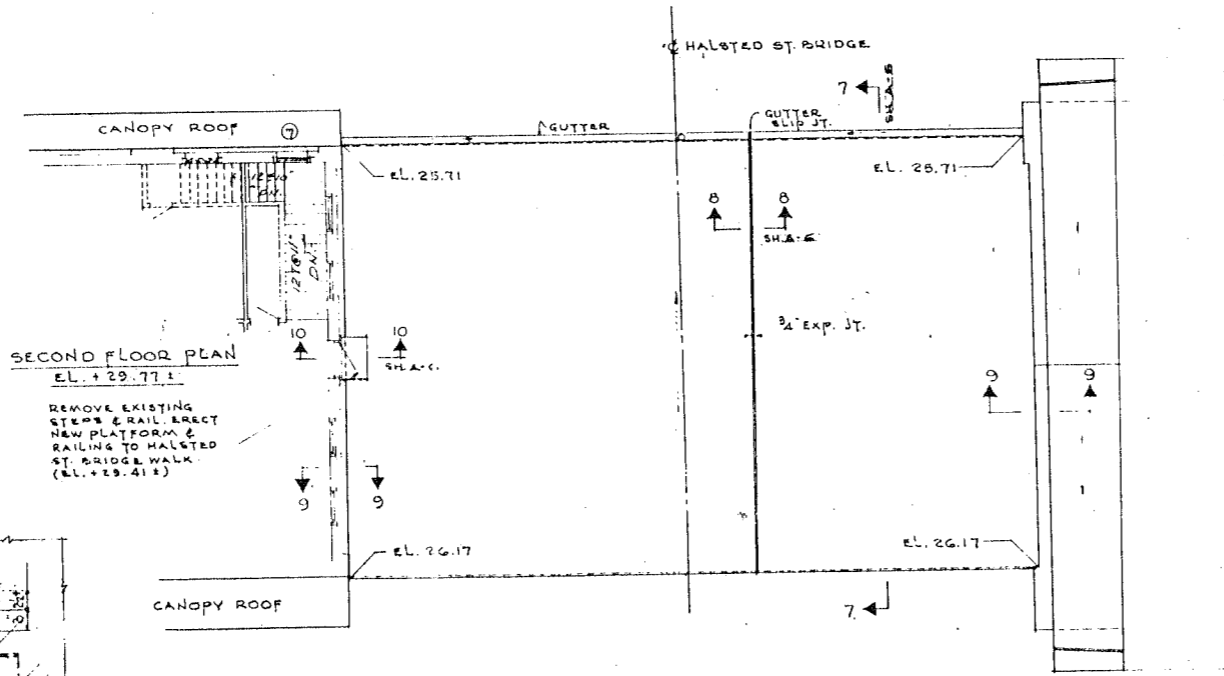
(L) (7)	3/8" x 3 1/2" x 3'-8" LG.
(4)	4/8" x 3 1/2" x 3'-8" LG.
(8)	3/8" x 3 1/2" x 4'-0" LG.
(2) (6)	3/8" x 3 1/2" x 7'-2 1/2" LG.
(1) (5) (H)	ST. GR. 26.5 - 10'-8" LG.
(F)	10" x 2 1/2" x 12'-8" LG.
(M)	10" x 2 1/2" x 10'-4" LG.
(G)	SEE DETAIL G SH. 3-13
(E) (H)	RE-USE EXISTING LINTLS



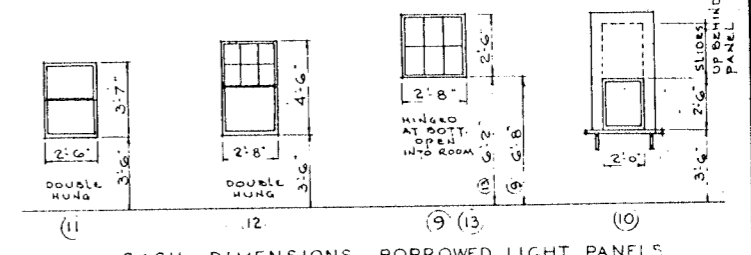
DE LEUW, CATHY & CO. ENGINEERS
DESIGNED BY R.E.B.
DRAWN BY R.E.B.
CHECKED R.A.L.
IN CHARGE [Signature]



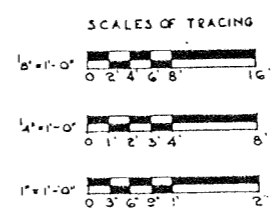
FIRST FLOOR PLAN COMPLETED STRUCTURE
SCALE: 1/8" = 1'-0"



ROOF PLAN COMPLETED STRUCTURE
SEE DRWG 5-62 FOR FRAMING PLAN

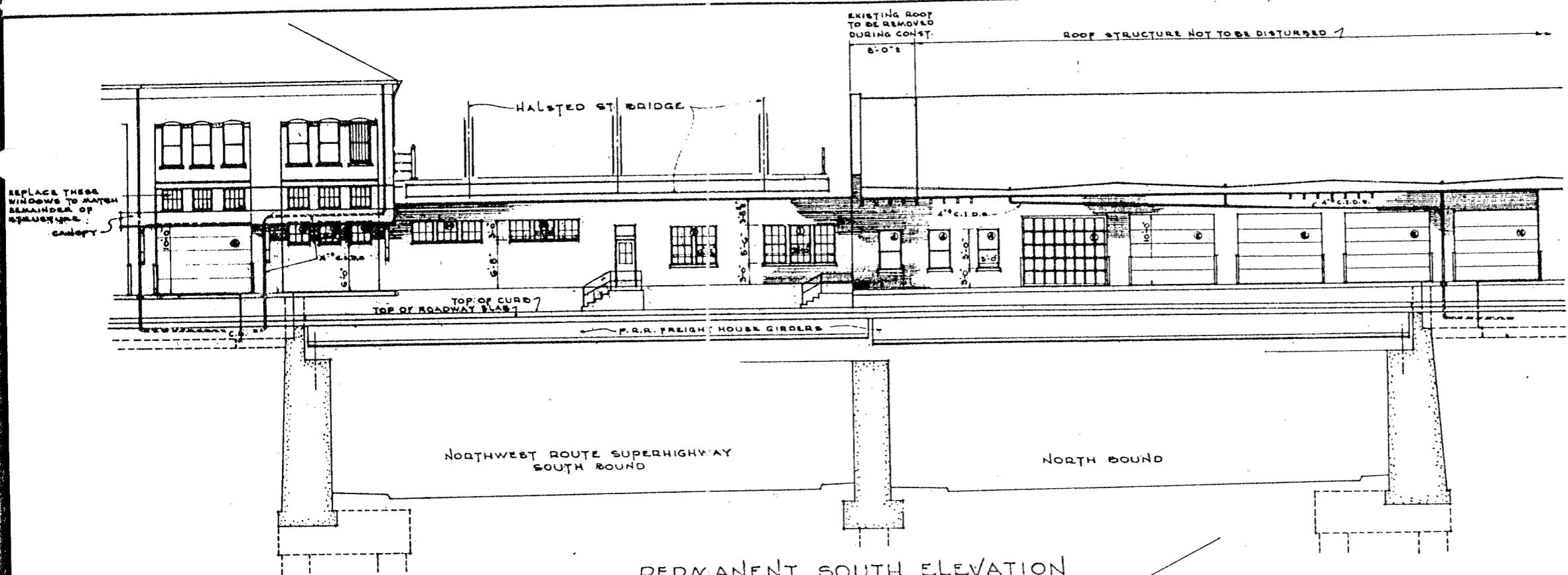


SEE PERMANENT ELEVATIONS FOR WINDOWS



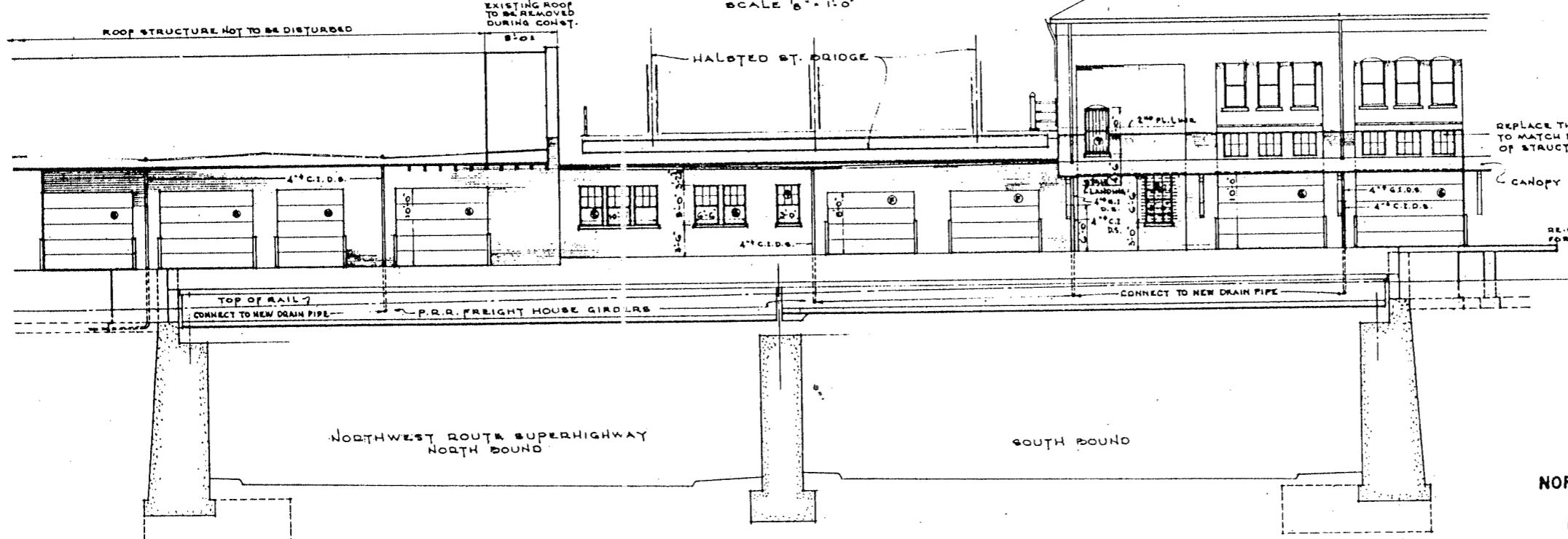
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
P.R.R. HALSTED ST. FREIGHT HOUSE
PLAN AT HALSTED ST.

NO. 13	SECTION	COUNTY	DATE	NO.
P.A. 1.3	0202.4-1	COOK	194	113
P.L. ROAD OR. NO. 1		PLANES	PROJECT: 21-220	



PERMANENT SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



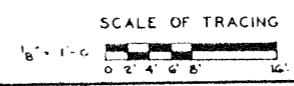
PERMANENT NORTH ELEVATION

NEW CONSTRUCTION WITHIN HEAVY LINES

SCALE: 1/8" = 1'-0"

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 P.R.R. HALSTED ST. FREIGHT HOUSE
 ELEVATIONS

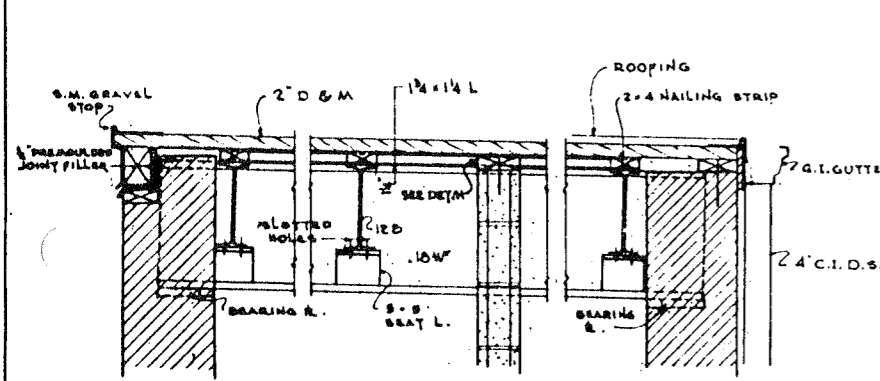
DE LEUW, CATHAR & CO. ENGINEERS
 DESIGNED BY: R.E.B.
 DRAWN BY: R.E.B.
 CHECKED: R.A.L.
 IN CHARGE: *[Signature]*



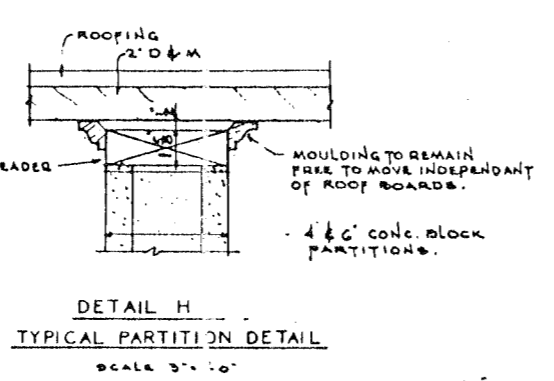
SCALE: AS NOTED

DATE: MARCH 16, 1937
 SHEET NO. A-5 OF 134 SHEETS

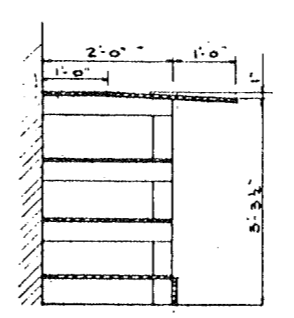
SECTION	QUANTITY	TOTAL	REMARKS
F.A.I.S. 02024-1	BOOK	134	114
P.O. ROAD BR. 2-4 (LAWRENCE)			



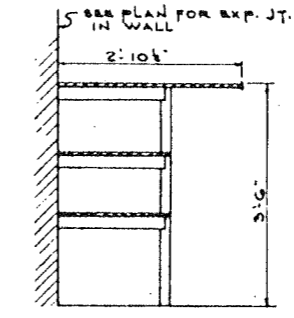
SECTION 7-7
SCALE 1"=1'-0"



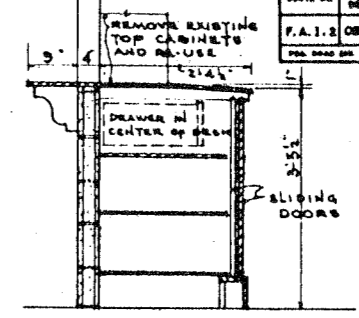
DETAIL H
TYPICAL PARTITION DETAIL
SCALE 3/4"=1'-0"



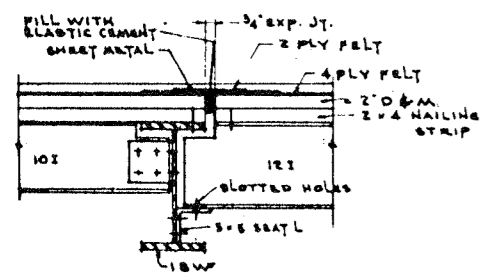
SECTION THRU BUILT-IN
DESK A
SCALE 3/4"=1'-0"



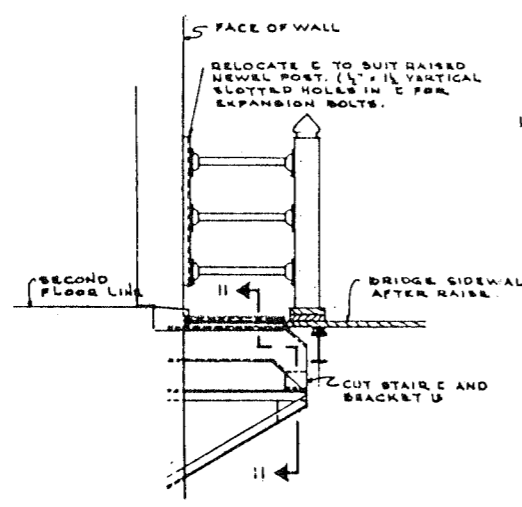
SECTION THRU BUILT-IN
DESK B



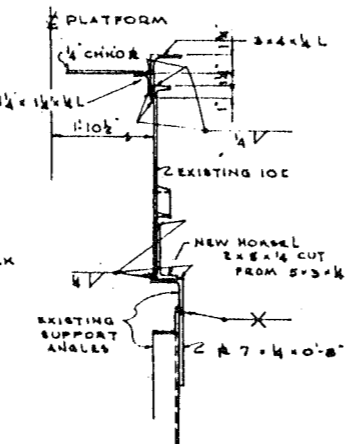
SECTION THRU BUILT-IN
DESK C



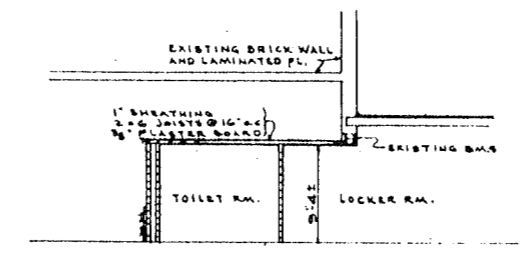
SECTION 8-8
EXPANSION JOINT IN ROOF
SCALE 1"=1'-0"



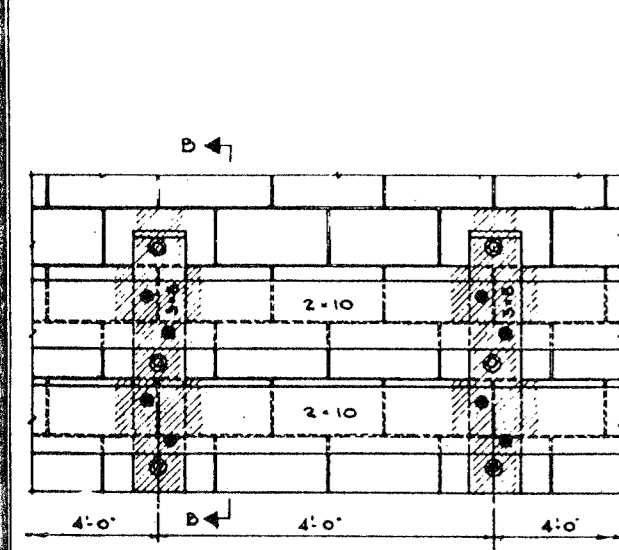
SECTION 10-10
SCALE 1/2"=1'-0"



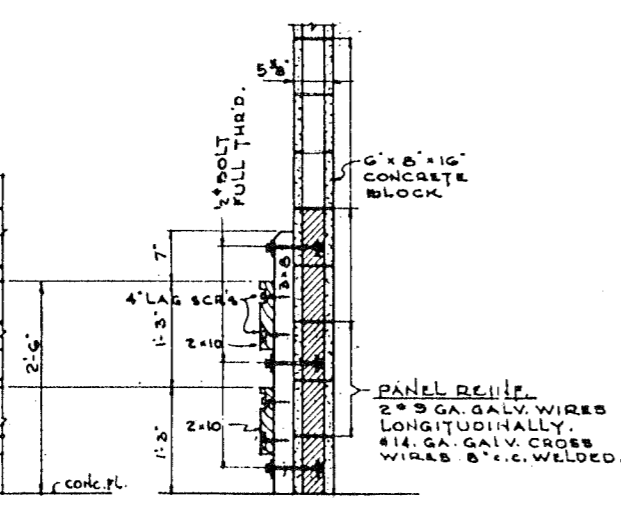
SECTION 11-11
SCALE 1/2"=1'-0"



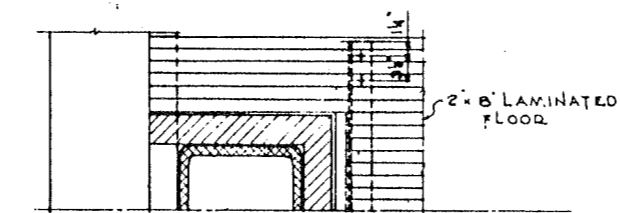
SECTION 12-12 (SEE SH. A-4)
SCALE 1/2"=1'-0"



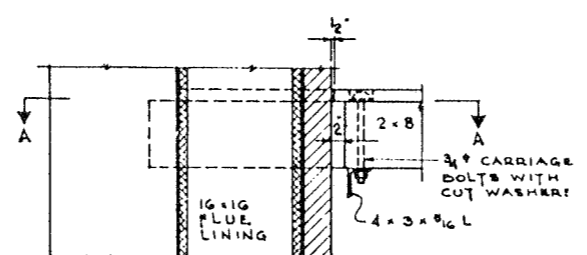
ELEVATION
DEN GUARD RAILS IN TRUCKING AISLES
SCALE 1"=1'-0"



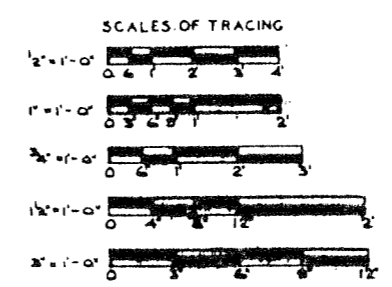
SECTION B-B



PLAN A-A



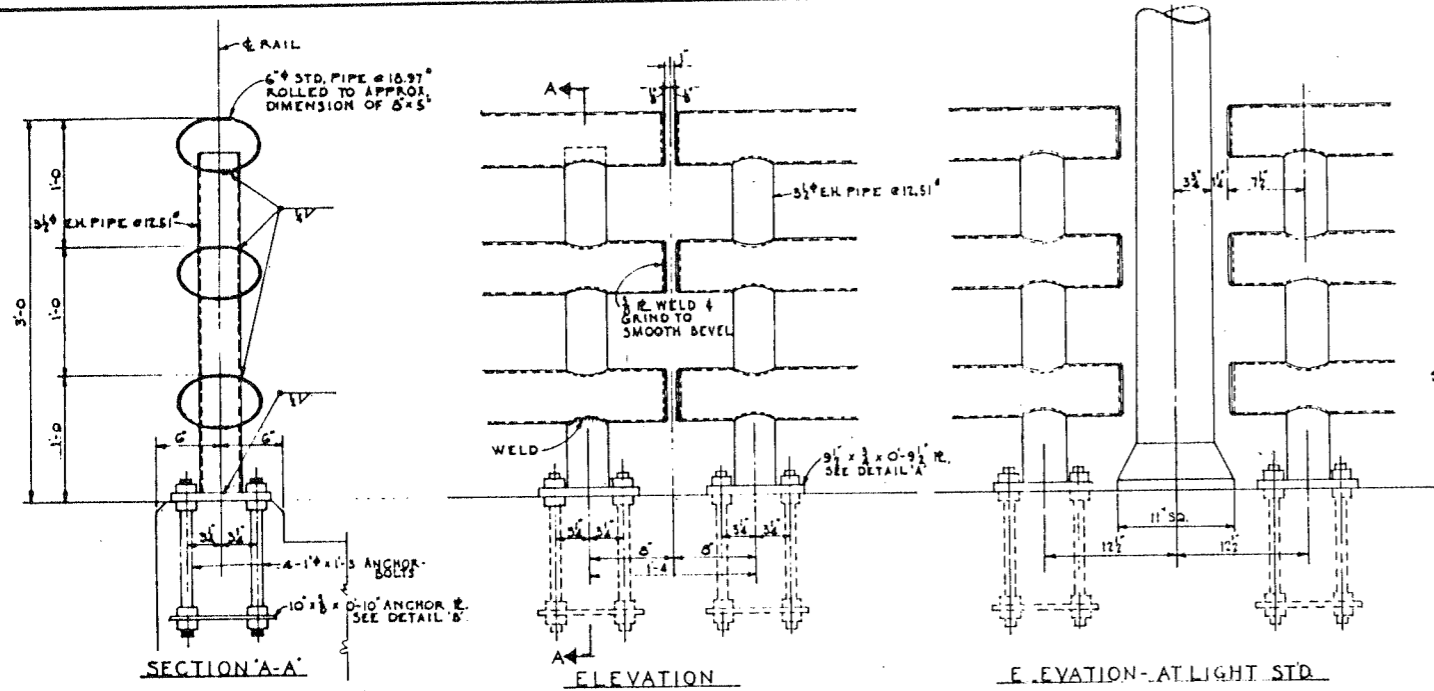
DETAIL A
SCALE 1"=1'-0"



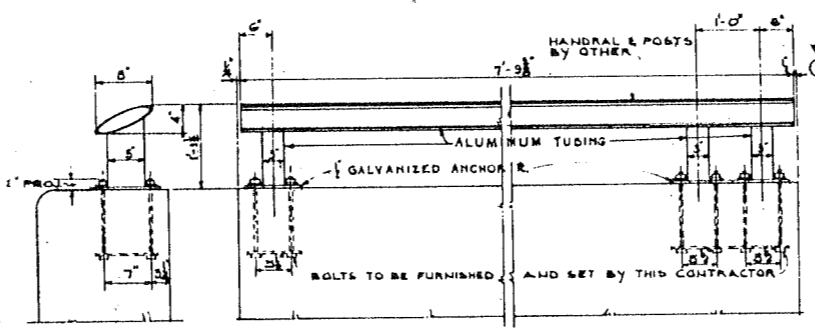
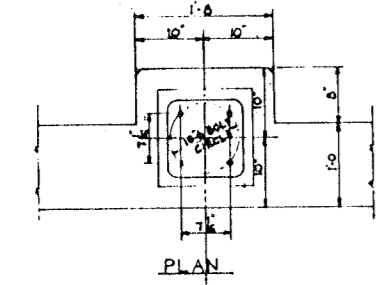
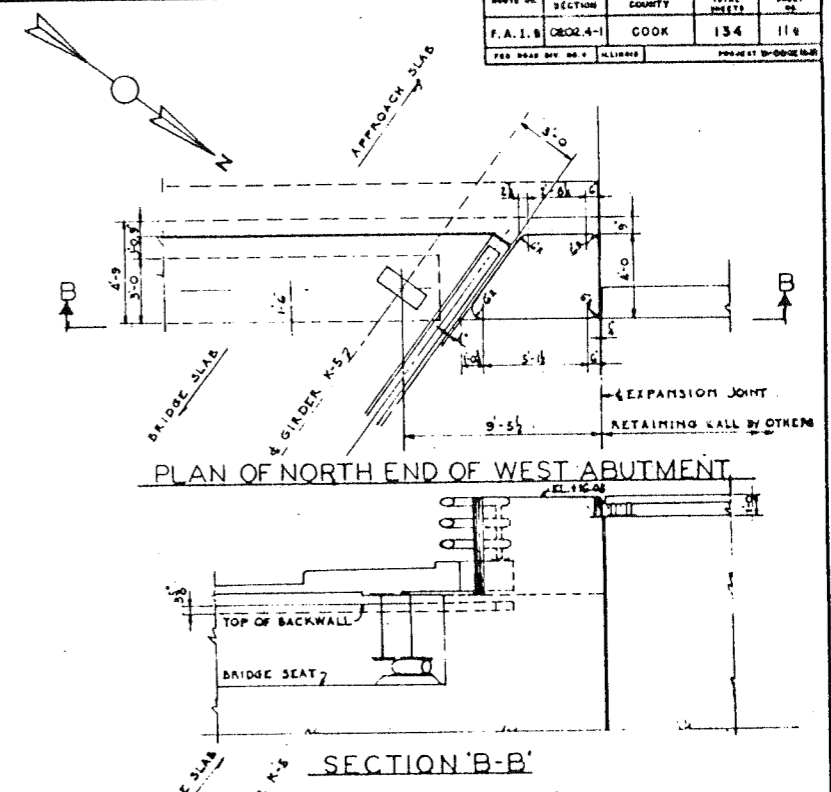
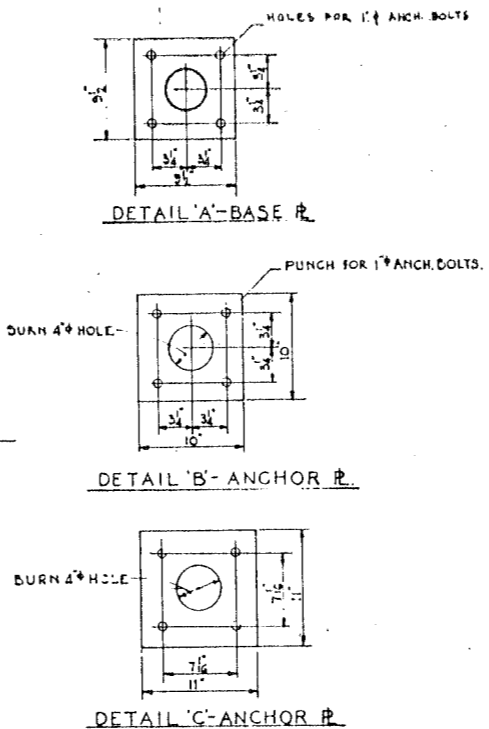
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 02024-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
P.R.R. HALSTED ST. FREIGHT HOUSE
DETAILS

DE LEW, CATHY & CO. ENGINEERS
DESIGNED BY: E.L.S.
DRAWN BY: E.L.S.
CHECKED: E.L.S.
IN CHARGE: *[Signature]*

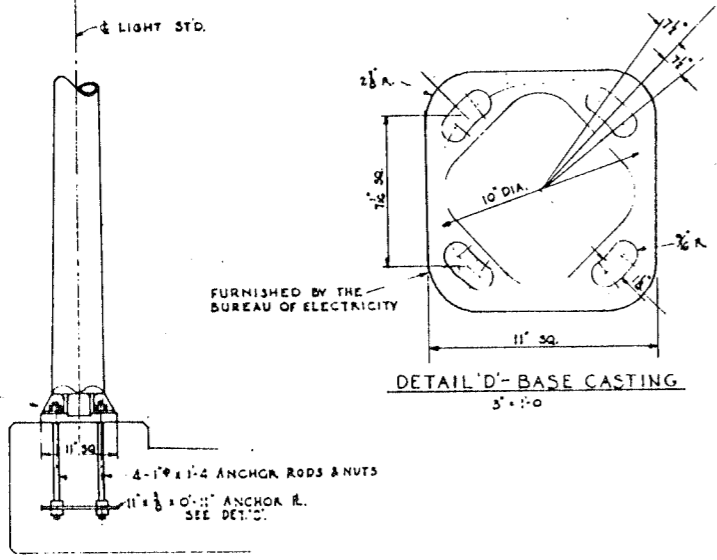
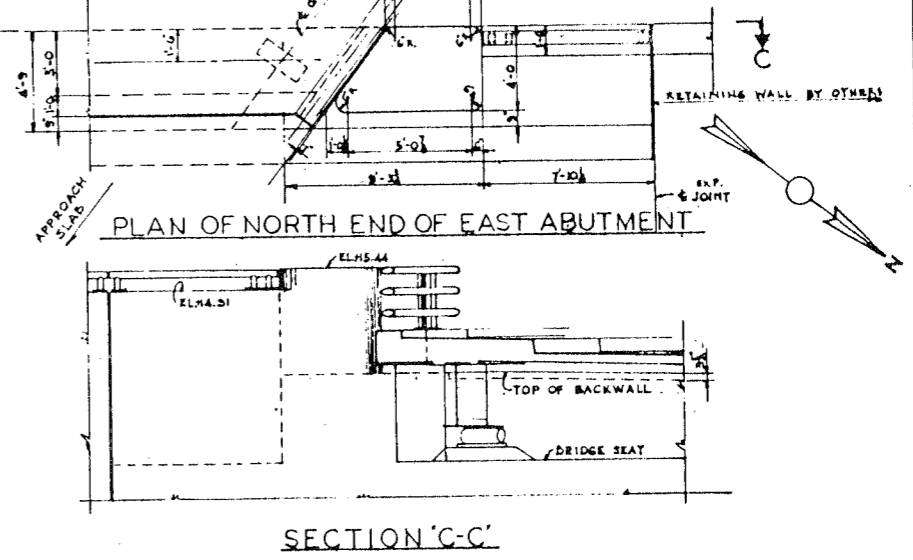
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1. B.	0202.4-1	COOK	134	118
PREP. DRAW. BY: M. C. ALDRIDGE			PROJECT NO. 0202.4-1	



TYPICAL METAL HANDRAIL DETAILS
1/2" = 1'-0"



HANDRAIL FOR RETAINING WALL
1" = 1'-0"
TYPICAL LENGTH AS SHOWN

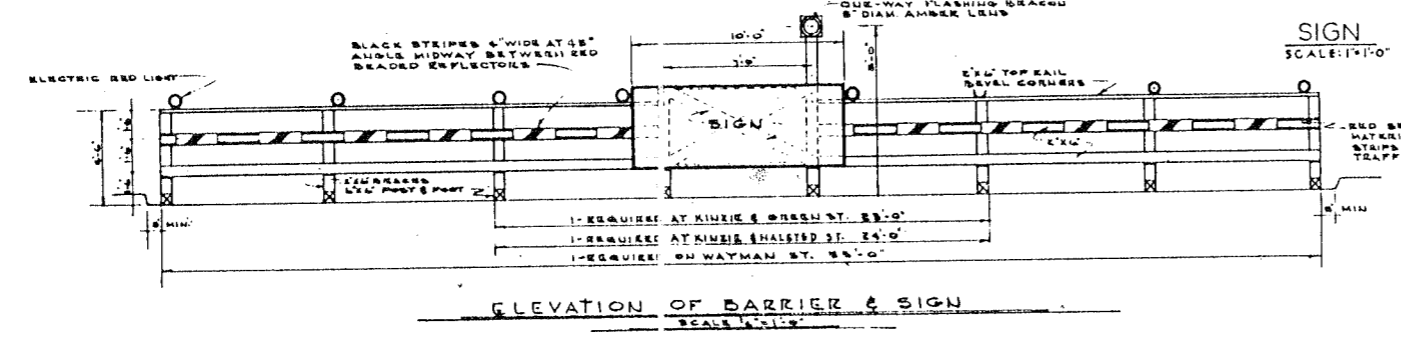
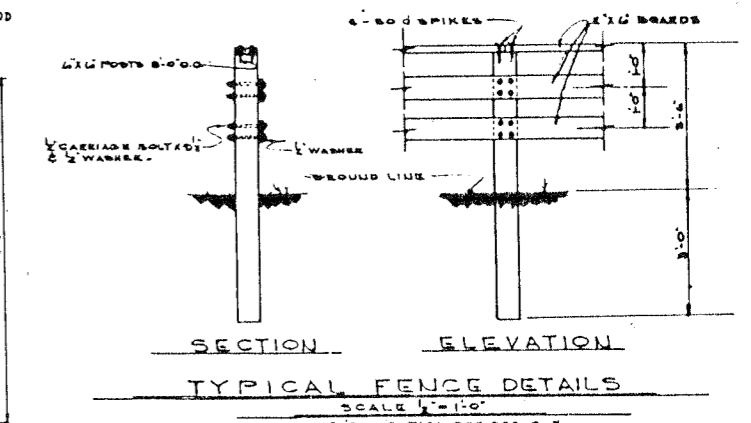
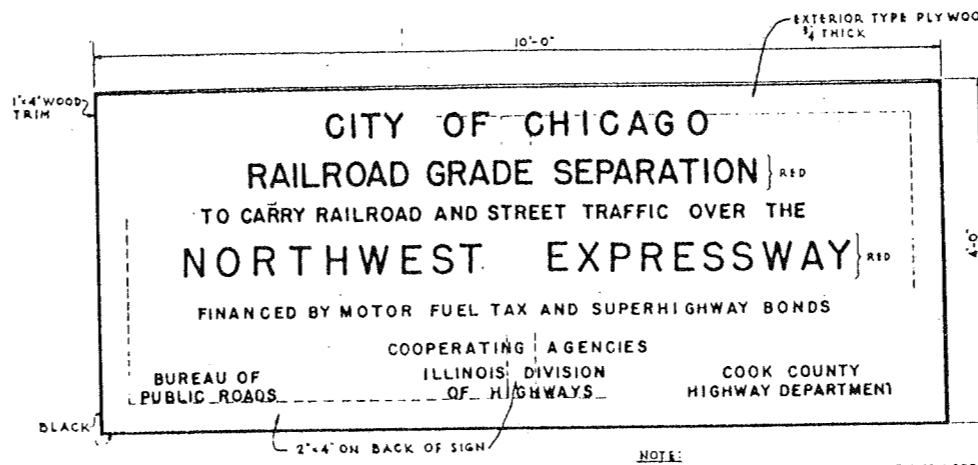
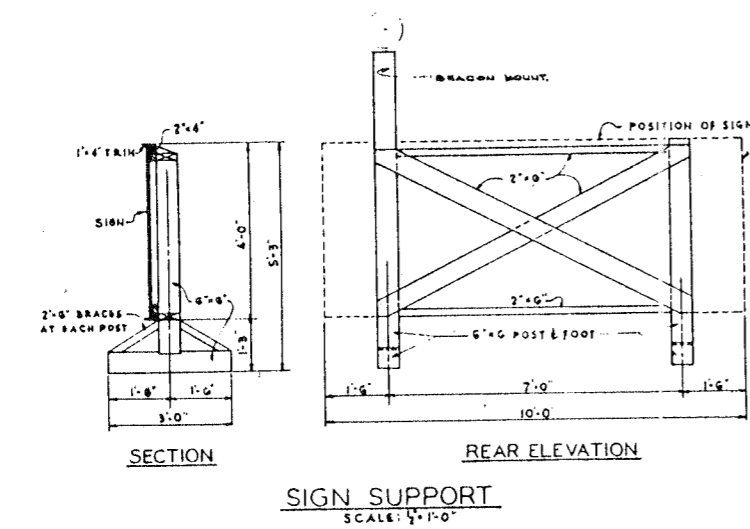


SECTION
BASE DETAIL FOR LIGHT STANDARD

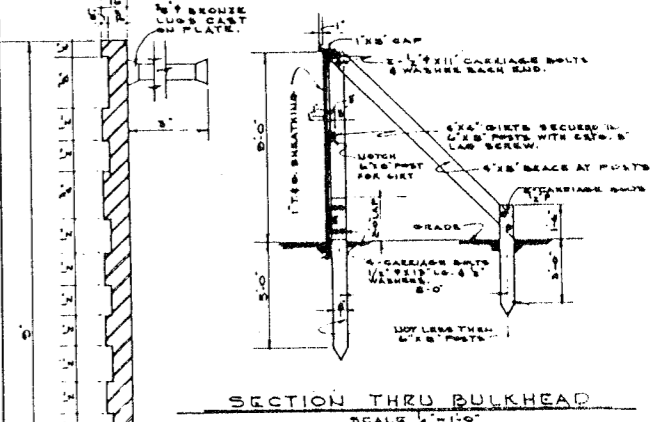
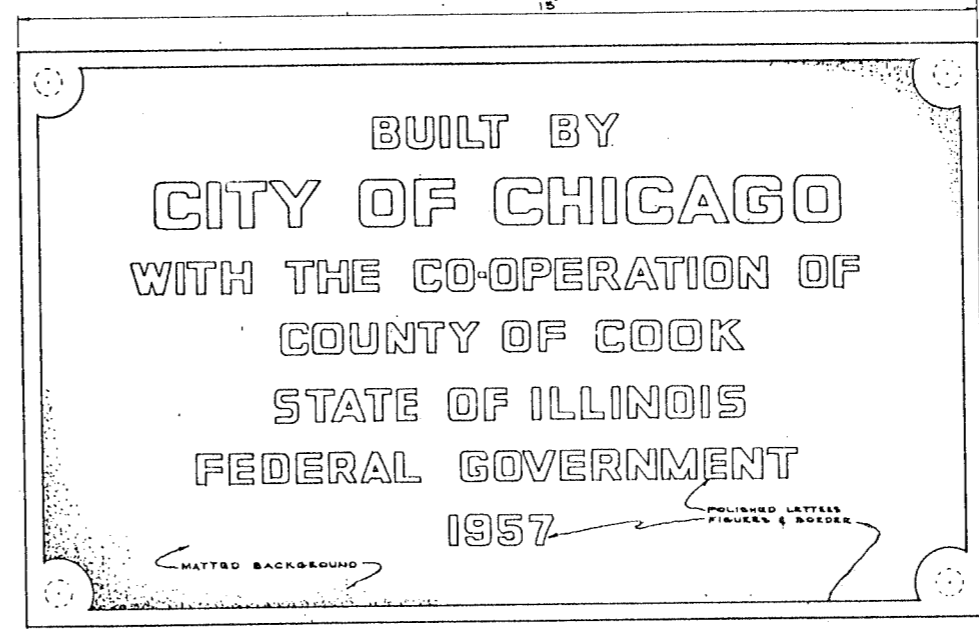
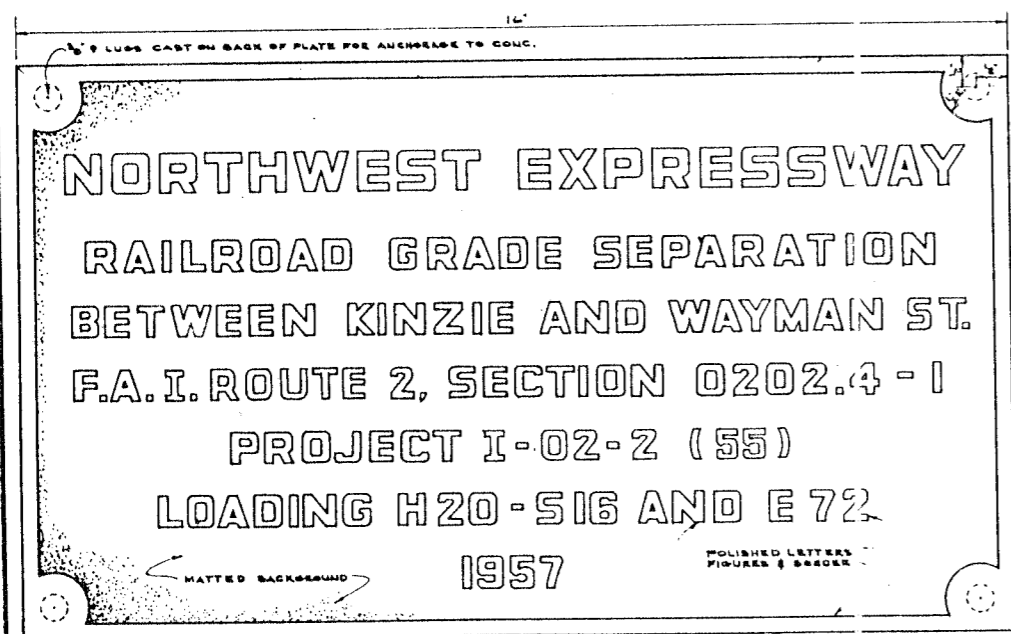
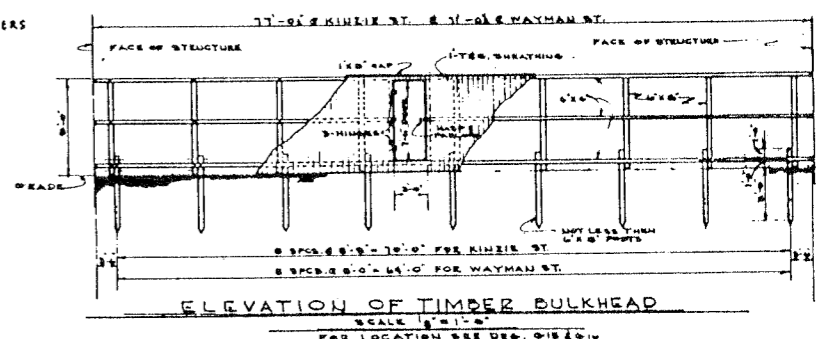
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
HANDRAIL AND MISCELLANEOUS
DETAILS

DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY M.C.
DRAWN BY W.C.H.
CHECKED R.A.L.
IN CHARGE

SCALE: AS NOTED
DATE: MARCH 19, 1907
SHEET NO. A-B OF 134 SHEETS



NOTE:
SIGN BACKGROUND TO BE "WHITE" AND LETTERS "BLACK" EXCEPT WHERE "RED" IS INDICATED. WOOD TRIM TO BE "BLACK"

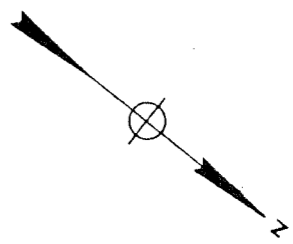
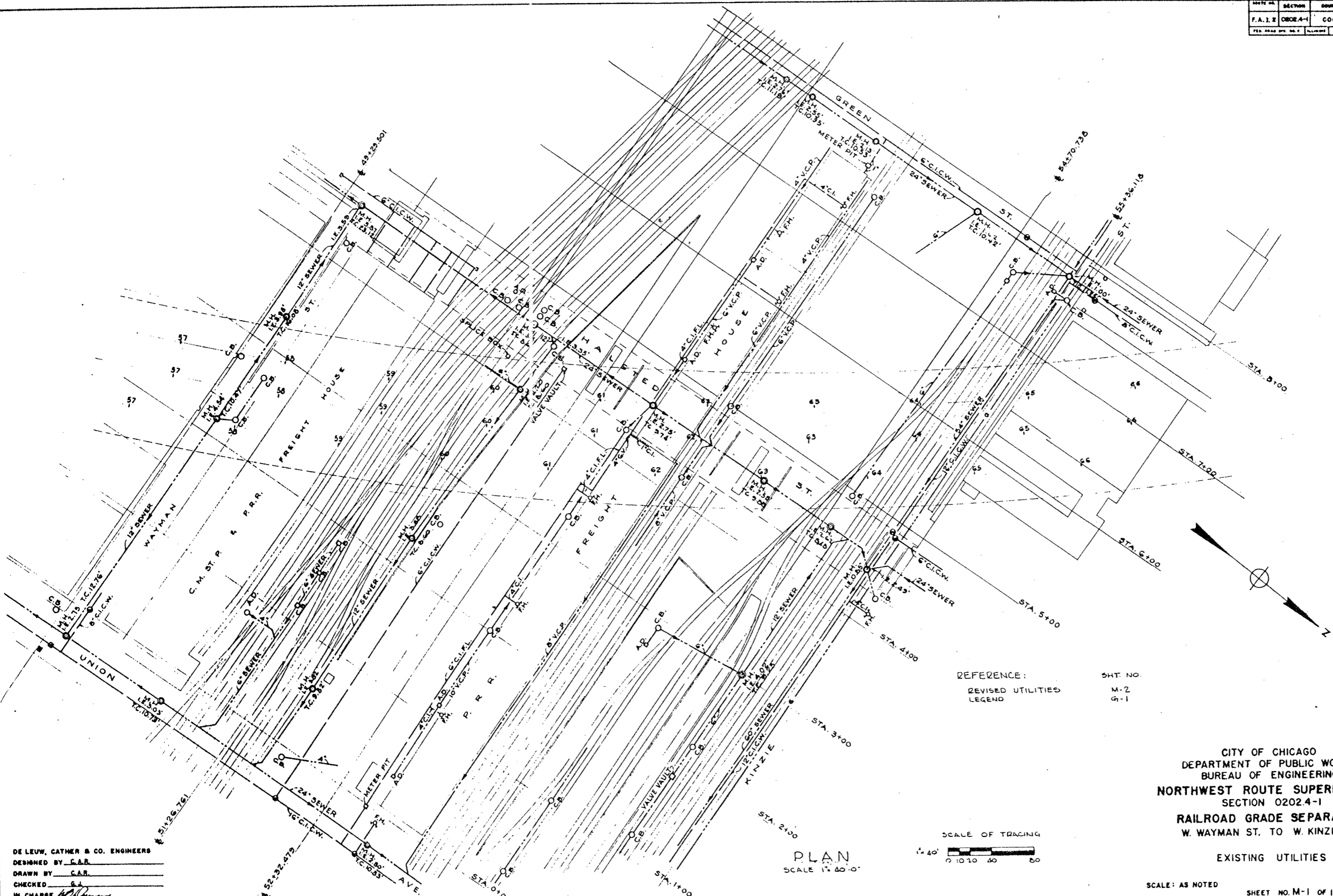


CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
NAME PLATE & MISC. TIMBER DETAILS

DE LEUW, CATHER & CO. ENGINEERS
DESIGNED BY H.C.
DRAWN BY A.S. B.C.H.
CHECKED B.A.L.
IN CHARGE *[Signature]*

NOTE:
MATERIAL:
BRASS OR BRONZE
BORDER & LETTERING:
RAISED 1/8" SQUARE CUT AND NOT TAPERED. TOP SURFACE POLISHED.
FASTENINGS:
TO CONCRETE, FOUR LUGS 3" LONG CAST ON BACK OF PLATE.
FINAL APPROVAL:
CONTRACTOR SHALL OBTAIN APPROVAL OF ENGINEER BEFORE COMMENCEMENT OF WORK & INSCRIPTION OF NAME PLATES.

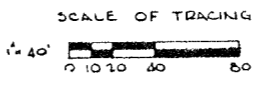
DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	118
FED. ROAD DIST. NO. 1	ILLINOIS			PROJ. ST. 1-45-20



REFERENCE:
REVISED UTILITIES
LEGEND

SHT. NO.
M-2
G-1

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
EXISTING UTILITIES



PLAN
SCALE 1" = 60'-0"

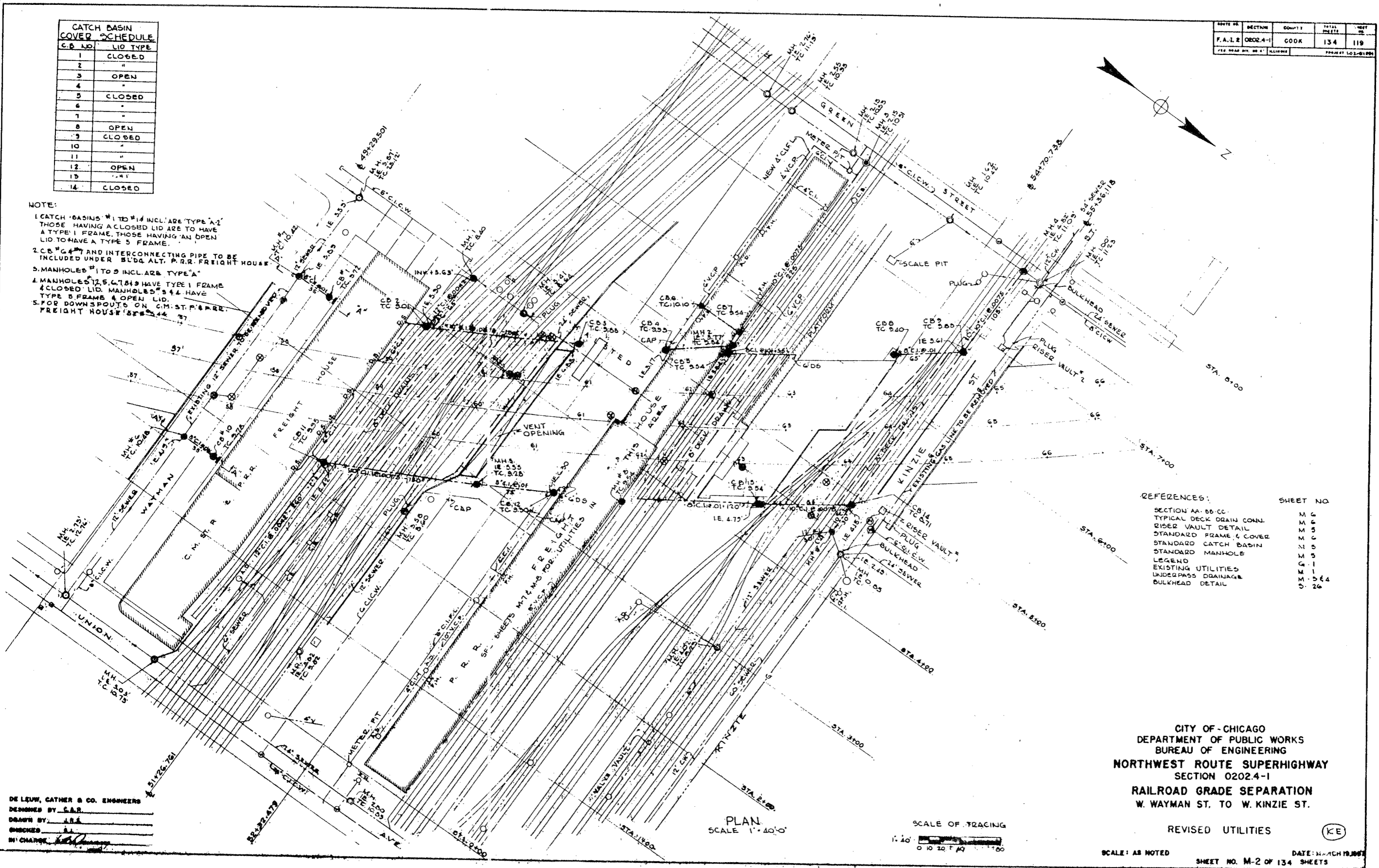
DE LEUW, CATHNER & CO. ENGINEERS
DESIGNED BY C.A.B.
DRAWN BY C.A.B.
CHECKED G.J.
IN CHARGE *[Signature]*

SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. M-1 OF 134 SHEETS

CATCH BASIN COVER SCHEDULE	
C.B. NO.	LID TYPE
1	CLOSED
2	"
3	OPEN
4	"
5	CLOSED
6	"
7	"
8	OPEN
9	CLOSED
10	"
11	"
12	OPEN
13	"
14	CLOSED

ROUTE NO.	SECTION	COMPT.	TOTAL SHEETS	SHEET NO.
F.A.1.2	0202.4-1	GOOD	134	119

NOTE:
 1. CATCH BASINS #1 TO #14 INCL. ARE TYPE "A"2" THOSE HAVING A CLOSED LID ARE TO HAVE A TYPE 1 FRAME, THOSE HAVING AN OPEN LID TO HAVE A TYPE 5 FRAME.
 2. C.B. #6, #7 AND INTERCONNECTING PIPE TO BE INCLUDED UNDER BLDG. ALT. P.R.R. FREIGHT HOUSE.
 3. MANHOLES #1 TO #9 INCL. ARE TYPE "A".
 4. MANHOLES #15, #16, #18 HAVE TYPE 1 FRAME.
 5. CLOSED LID. MANHOLES #3 & #4 HAVE TYPE 5 FRAME & OPEN LID.
 6. FOR DOWNSPOUTS ON C.M. ST. & P.R.R. FREIGHT HOUSE #25 & #44.



REFERENCES:

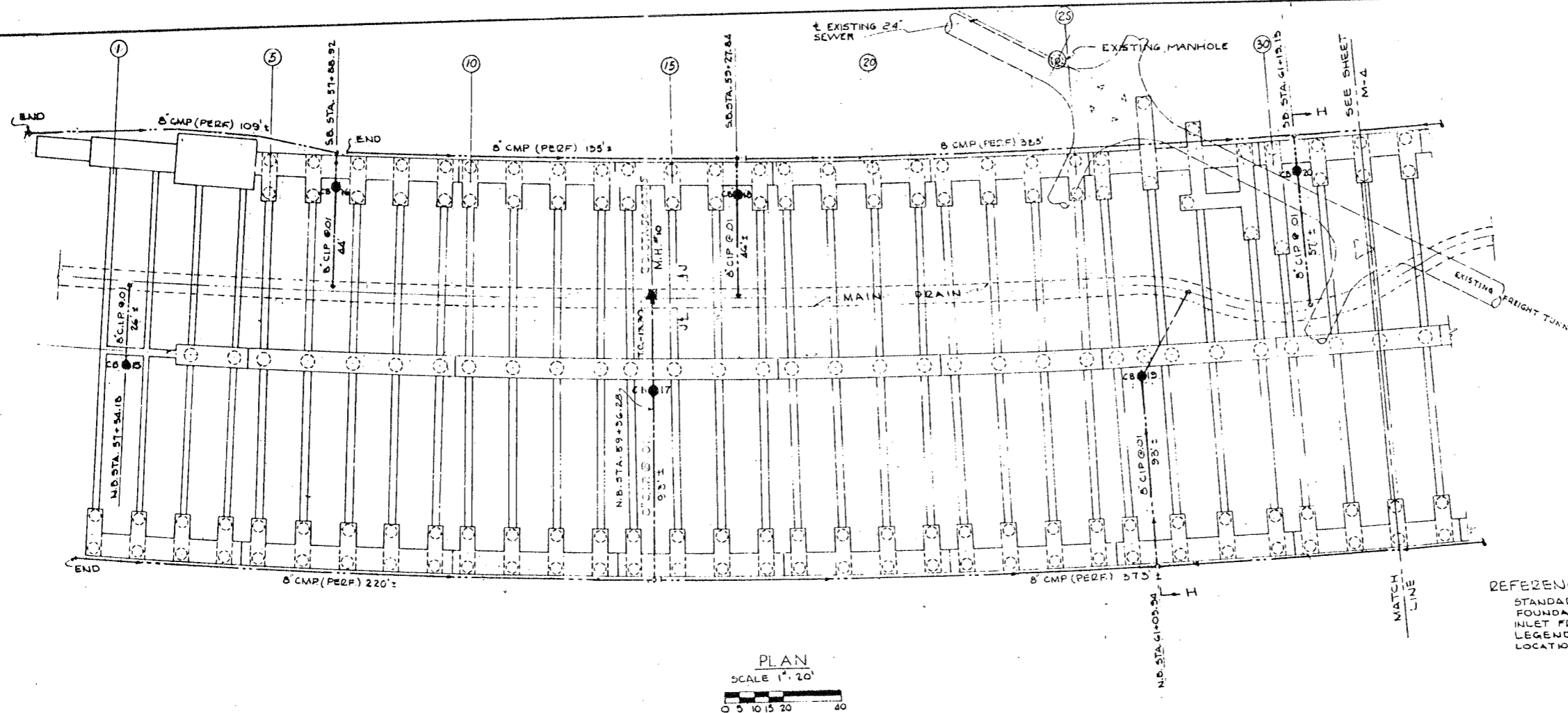
SECTION AA-BB-CC	M 4
TYPICAL DECK DRAIN CONN.	M 6
RIGER VAULT DETAIL	M 5
STANDARD FRAME & COVER	M 2
STANDARD CATCH BASIN	M 5
STANDARD MANHOLE	M 5
LEGEND	G 1
EXISTING UTILITIES	M 1
UNDERPASS DRAINAGE	M 5 & 4
BULKHEAD DETAIL	D 26

DE LEW, CATHY & CO. ENGINEERS
 DESIGNED BY C.A.R.
 DRAWN BY J.R.S.
 CHECKED BY J.L.
 IN CHARGE [Signature]

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.

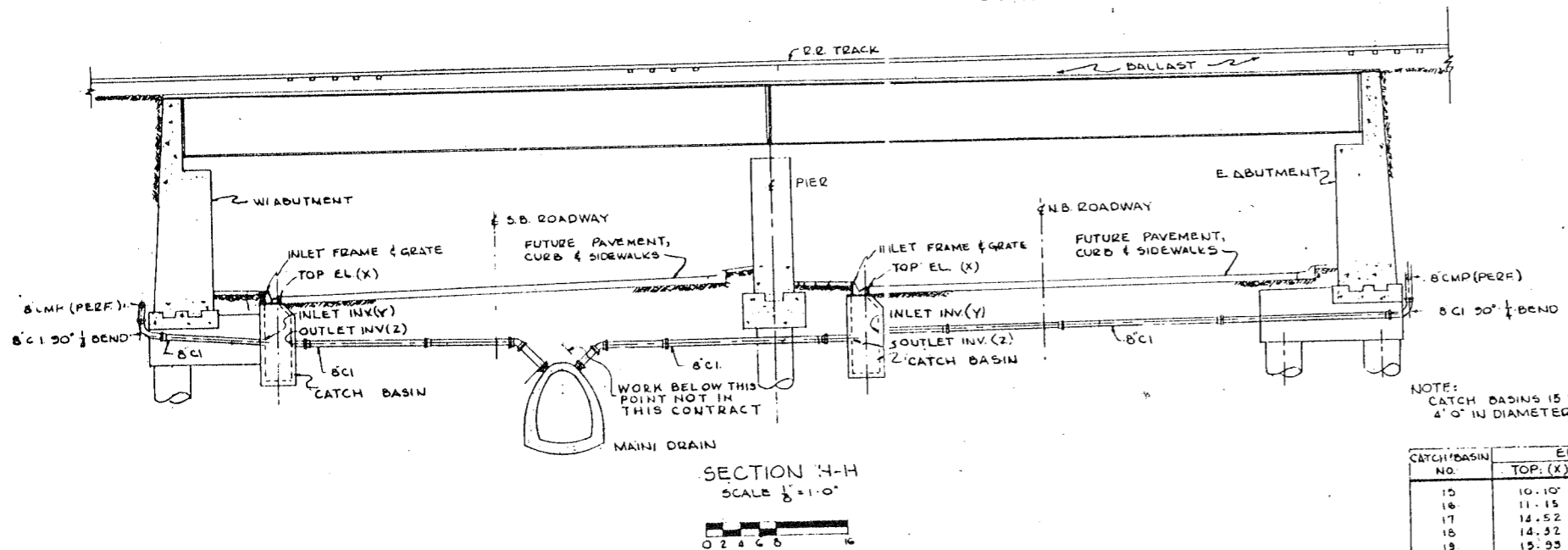
REVISED UTILITIES (KE)
 SCALE: AS NOTED
 SHEET NO. M-2 OF 134 SHEETS
 DATE: MARCH 19, 1967

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	0202.4-1	COOK	134	120
FED. ROAD DIST. NO. 4	ILLINOIS		PROJECT 1-02-134	



REFERENCES:
STANDARD CATCH BASIN
FOUNDATION PLAN
INLET FRAME & GRATE
LEGEND
LOCATION OF SECTION JJ

SHEET NO.
M-5
S-20, 21, 22
M-6
G-1
M-6



NOTE:
CATCH BASINS 15 TO 24 INCL. ARE TYPE 'A'
4'-0" IN DIAMETER.

CATCH BASIN NO.	ELEVATIONS (ALL MINUS)		
	TOP (X)	INLET INV. (Y)	OUTLET INV. (Z)
15	10.10'	15.52	16.21
16	11.15	16.42	17.17
17	12.52	18.41	19.16
18	14.52	19.58	20.54
19	15.93	21.31	22.06
20	15.19	21.17	21.52
21	15.26	20.66	21.45
22	15.26	20.54	21.25
23	14.59	20.02	20.77
24	14.67	19.57	20.72

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

UNDERPASS DRAINAGE

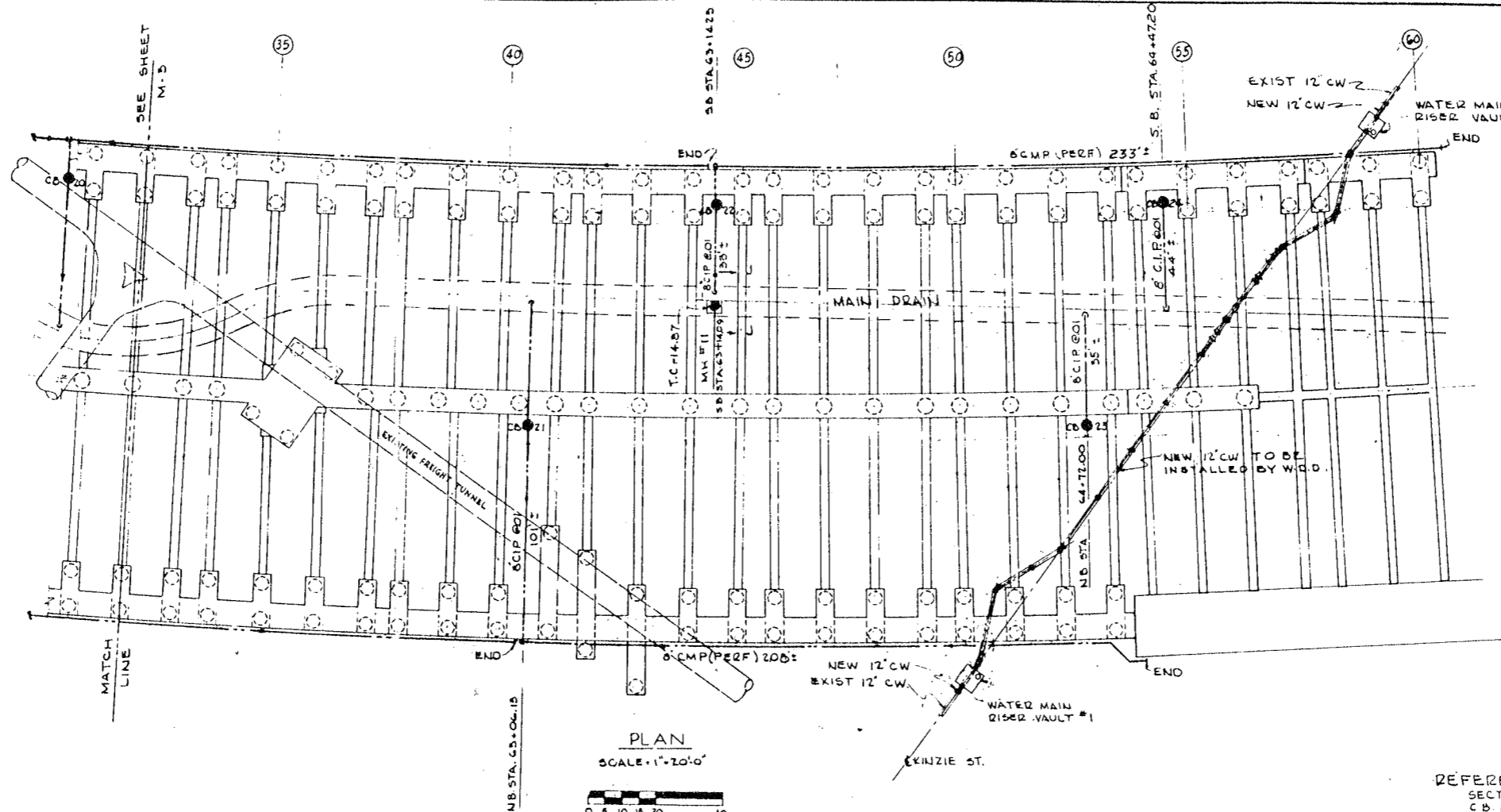
SCALE: AS NOTED

SHEET NO. M-3 OF 134 SHEETS

DATE: MARCH 19, 1957

DE LEUW, CATHAR & CO. ENGINEERS
DESIGNED BY J.B.S.
DRAWN BY J.B.S.
CHECKED G.J.
IN CHARGE W.D. [Signature]

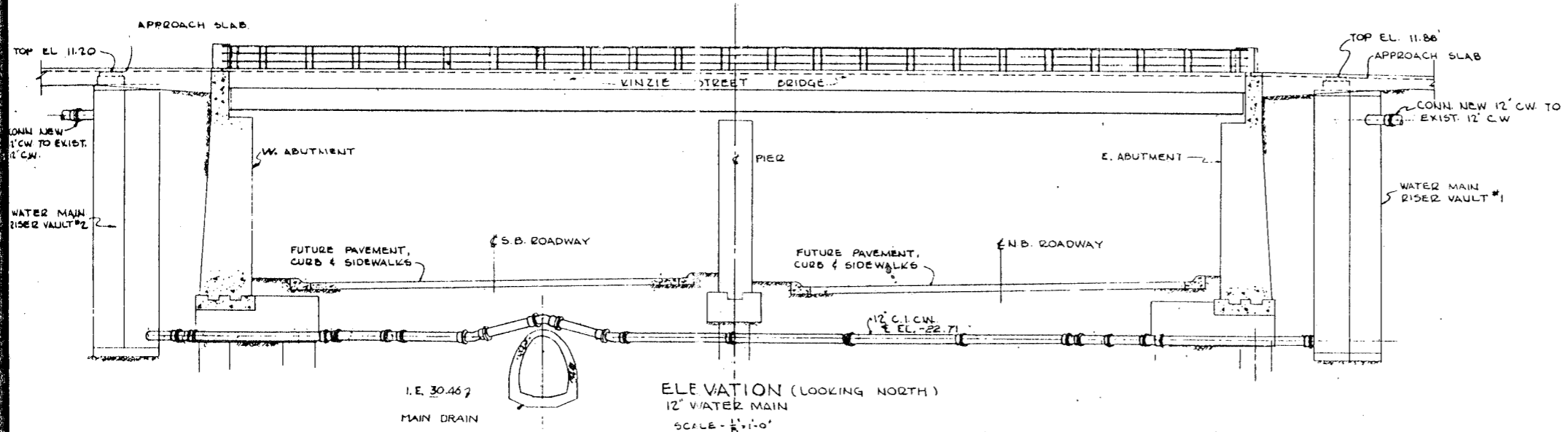
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 13	0202.4-1	COOK	134	181
PREPARED BY	DATE	DESIGNED BY	CHECKED BY	IN CHARGE



PLAN
SCALE - 1" = 20'-0"

REFERENCES
SECTION JJ
C.B. ELEVATIONS
FOUNDATION PLAN
WATER RISER VAULT DETAIL
LEGEND

SHEET NO.
M-4
M-5
S-11, 13, 14
M-3 & 5-87
4-1



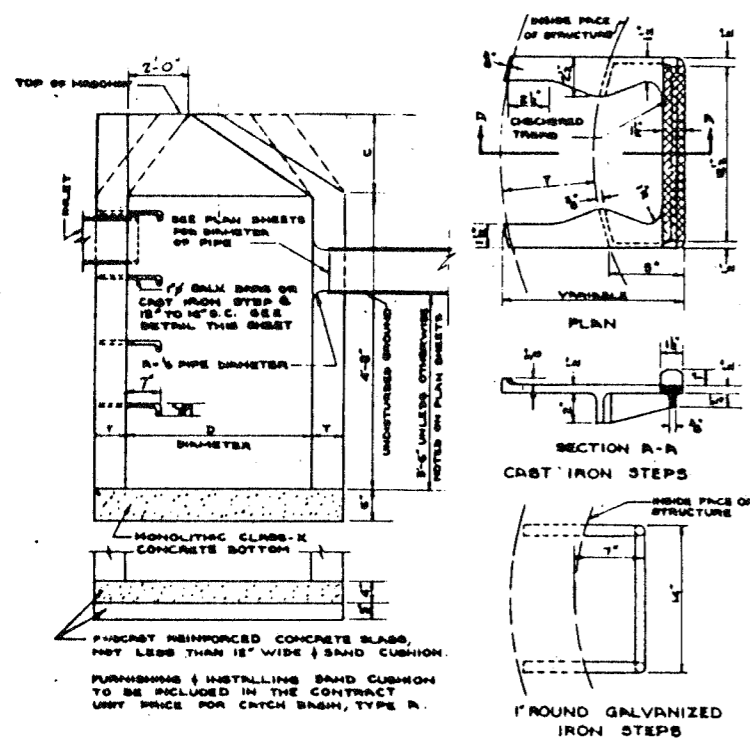
ELEVATION (LOOKING NORTH)
12" WATER MAIN
SCALE - 1/8" = 1'-0"

DE LEUW, CATHEN & CO. ENGINEERS
DESIGNED BY J.R.S.
DRAWN BY J.R.S.
CHECKED G.L.
IN CHARGE *[Signature]*

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
UNDERPASS DRAINAGE

SCALE: AS NOTED DATE: MARCH 19, 1967
SHEET NO. M-4 OF 13.4 SHEETS

DATE	SECTION	QUANTITY	TOTAL	UNIT
P.A. 12	02024-1	COOK	134	122
FOR ROAD DIST. DEPT.		ENGINEER	PROJECT 1-22-2000	



DETAIL OF TYPE A CATCH BASIN
NO SCALE

ALTERNATE MATERIALS FOR WALLS	D	C	T
CONCRETE BUILDING BRICK, GRADE A	3'-0"	1'-3"	8"
CONCRETE MASONRY UNITS	4'-0"	2'-6"	5"
BUILDING BRICK, GRADE SW FROM CLAY OR SHALE	3'-0"	1'-3"	8"
PRECAST REINFORCED CONCRETE RINGS	4'-0"	2'-6"	5"
MONOLITHIC CONCRETE	3'-0"	1'-3"	8"
	4'-0"	2'-6"	6"

NOTES:-
TYPE A CATCH BASIN TO BE PROVIDED WITH TYPE 32 INLET FRAME & GRATE.

THE CONTRACT UNIT PRICE FOR CATCH BASIN TYPE A SHALL INCLUDE FRAME & LID OR GRATE AS SPECIFIED.

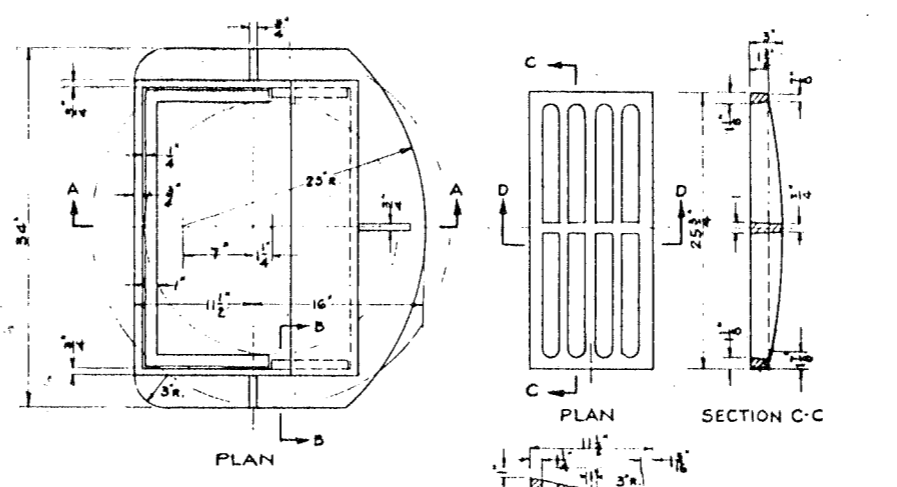
ALL CATCH BASINS TO BE 4'-0" IN DIA. UNLESS OTHERWISE NOTED ON PLAN SHEETS.

BRICKS, CONC. MASONRY UNITS & RINGS ARE TO BE Laid IN FULL MORTAR BEDS WITH FLUSH JOINTS.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF SECTION 188.8 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE CATCH BASIN IS TEN (10) FEET OR LESS.

THE CONE OF THE CATCH BASIN SHALL BE CONSTRUCTED AS SHOWN BY THE DOTTED LINES ONLY WHEN THERE IS INTERFERENCE WITH UNDERGROUND CONDITIONS WHICH CANNOT BE ALTERED.



SECTION A-A
DETAIL OF TYPE 32 INLET FRAME & GRATE
SCALE 1 1/2" = 1'-0"

ALTERNATE MATERIALS FOR WALLS	D	C	T
CONCRETE BUILDING BRICK, GRADE A	3'-0"	1'-3"	8"
CONCRETE MASONRY UNITS	4'-0"	2'-6"	5"
BUILDING BRICK, GRADE SW FROM CLAY OR SHALE	3'-0"	1'-3"	8"
PRECAST REINFORCED CONCRETE RINGS	4'-0"	2'-6"	5"
MONOLITHIC CONCRETE	3'-0"	1'-3"	8"
	4'-0"	2'-6"	6"

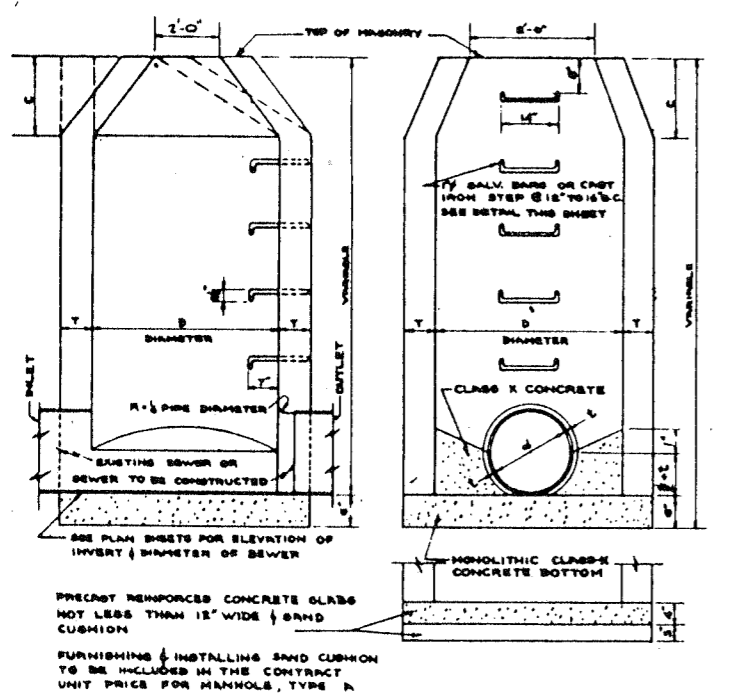
DIAMETER OF 4 IN. SEWER	D
18" & UNDER	3'-0"
18" TO 33" INCLUSIVE	4'-0"

NOTES:-
BRICKS, CONC. MASONRY UNITS & RINGS ARE TO BE Laid IN FULL MORTAR BEDS WITH FLUSH JOINTS.

THE CONTRACT UNIT PRICE FOR MANHOLE TYPE A SHALL INCLUDE THE FRAME OR FRAME & LID AS SPECIFIED.

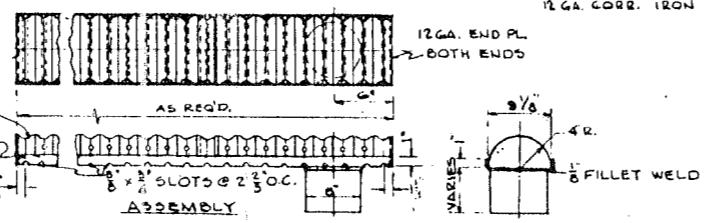
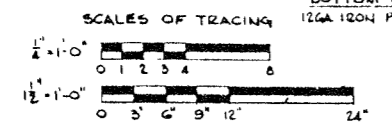
THE CONE OF THE MANHOLE SHALL BE CONSTRUCTED AS SHOWN BY THE DOTTED LINES ONLY WHEN THERE IS INTERFERENCE WITH UNDERGROUND CONDITIONS WHICH CANNOT BE ALTERED.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10) FEET OR LESS.

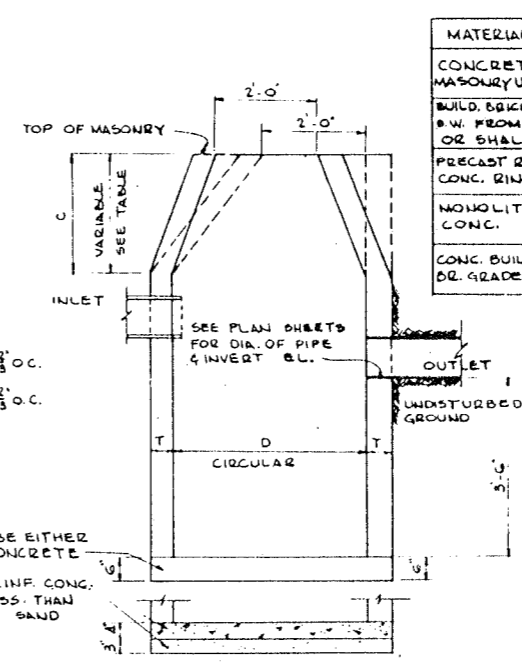


DETAIL OF TYPE A MANHOLE
NO SCALE

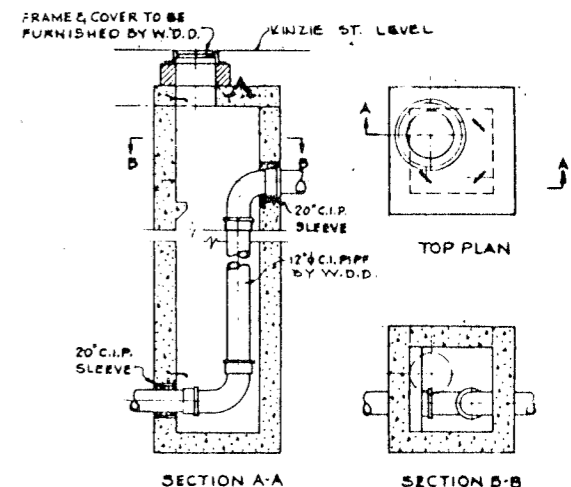
DE LEUW, CATHEN & CO. ENGINEERS
DESIGNED BY C.A.B.
DRAWN BY C.A.B.
CHECKED G.J.
IN CHARGE



DECK DRAIN DETAIL
NO SCALE



DETAIL OF TYPE A-2 CATCH BASIN
NO SCALE



WATER MAIN RISER VAULT
1 REDD AS SHOWN 1 REDD OFF HAND
SCALE 1/4" = 1'-0"

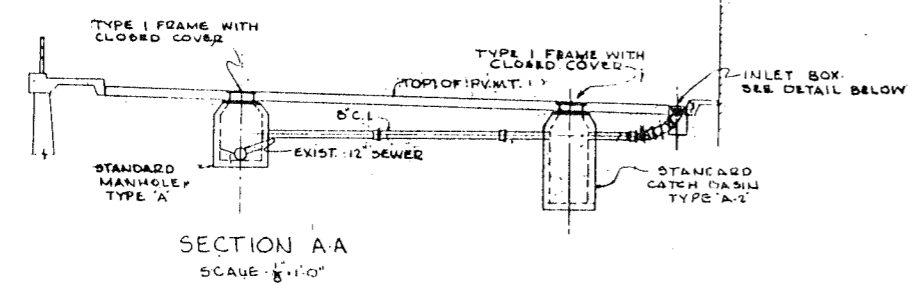
MATERIALS	D	C	T
CONCRETE MASONRY UNITS	4'-0"	2'-6"	5"
BUILD. BRICK GR. SW. FROM CLAY OR SHALE	4'-0"	2'-6"	6"
PRECAST REINF. CONC. RINGS	4'-0"	2'-6"	5"
MONOLITHIC CONC.	4'-0"	2'-6"	6"
CONC. BUILD. OR. GRADE A	4'-0"	2'-6"	6"

NOTES:-
ALL NOTES SIMILAR TO CATCH BASIN TYPE A EXCEPT CATCH BASIN A-2 SHALL BE PROVIDED WITH TYPE 1 FRAME WITH CLOSED LID OR TYPE 3 FRAME WITH OPEN LID. STEPS SHALL BE OMITTED.

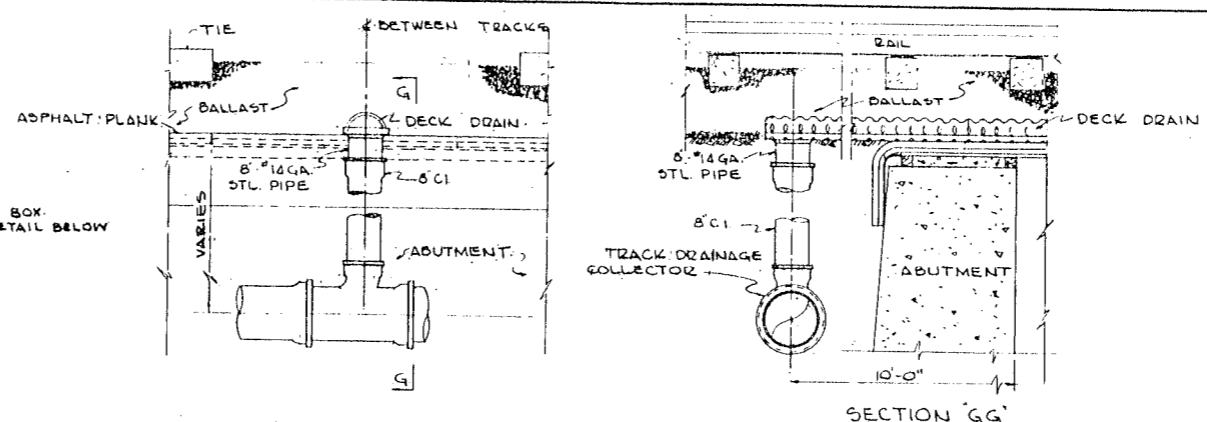
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 02024-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

DRAINAGE DETAILS

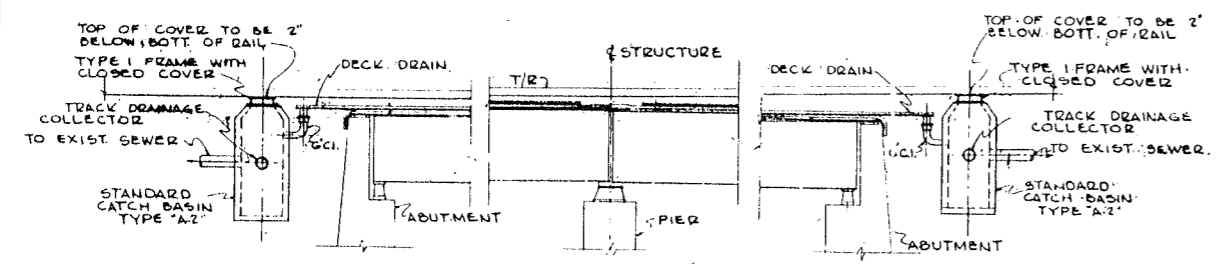
DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 2	02024-1	COOK	134	123
DESIGNED BY			PROJECT NO.	
DRAWN BY			1-02-2150	
CHECKED BY				
IN CHARGE				



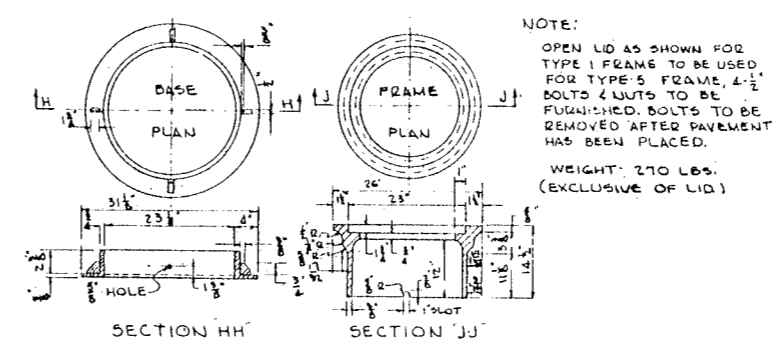
SECTION A-A
SCALE 1/8" = 1'-0"



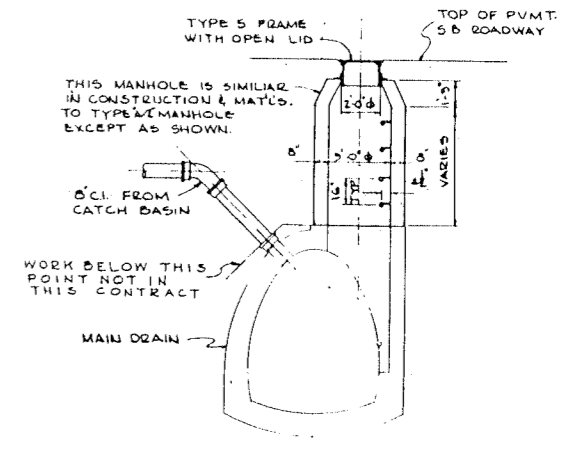
TYPICAL DECK DRAIN CONNECTION



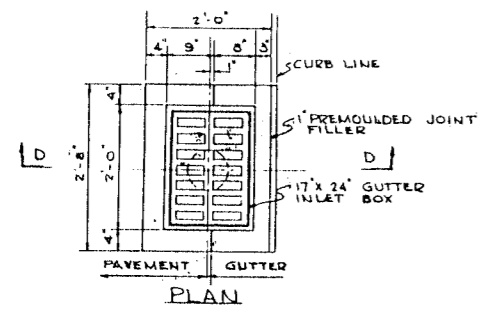
SECTION C-C
SCALE 1/8" = 1'-0"



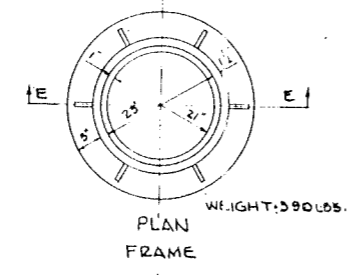
SECTION HH SECTION JJ
STANDARD FRAME
TYPE 5
SCALE 3/4" = 1'-0"



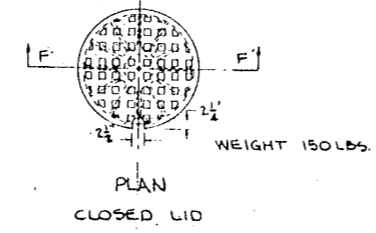
SECTION JJ
MAIN DRAIN MANHOLE
SCALE 1/2" = 1'-0"



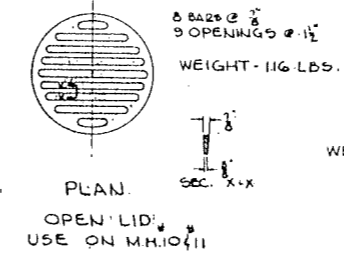
SECTION D-D
INLET BOX
SCALE 3/4" = 1'-0"



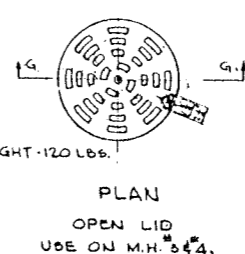
PLAN FRAME
WEIGHT: 590 LBS.



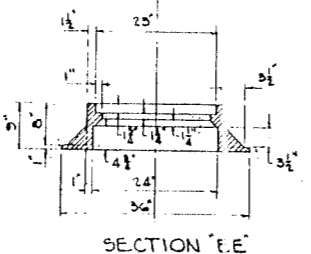
PLAN CLOSED LID
WEIGHT: 150 LBS.



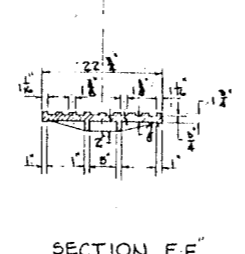
PLAN OPEN LID
WEIGHT: 116 LBS.
USE ON M.H. 10, 11



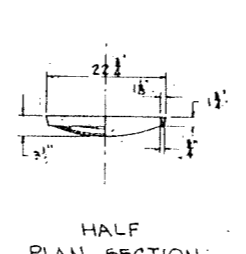
PLAN OPEN LID
WEIGHT: 120 LBS.
USE ON M.H. 2, 4, 5, 6, 8, 12, 13



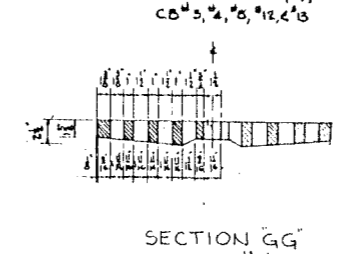
SECTION E-E
STANDARD FRAME & COVER
TYPE 1
SCALE 3/4" = 1'-0"



SECTION F-F



HALF PLAN SECTION



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

NOTE:
OPEN LID AS SHOWN FOR TYPE 1 FRAME TO BE USED FOR TYPE 5 FRAME, 4 1/2\"/>

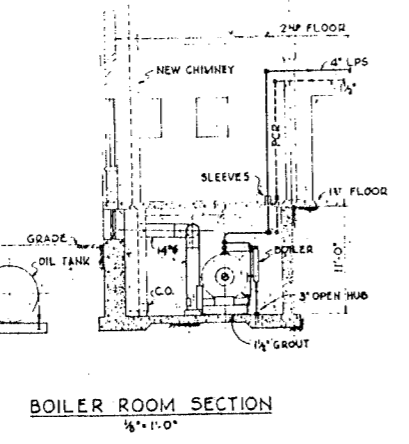
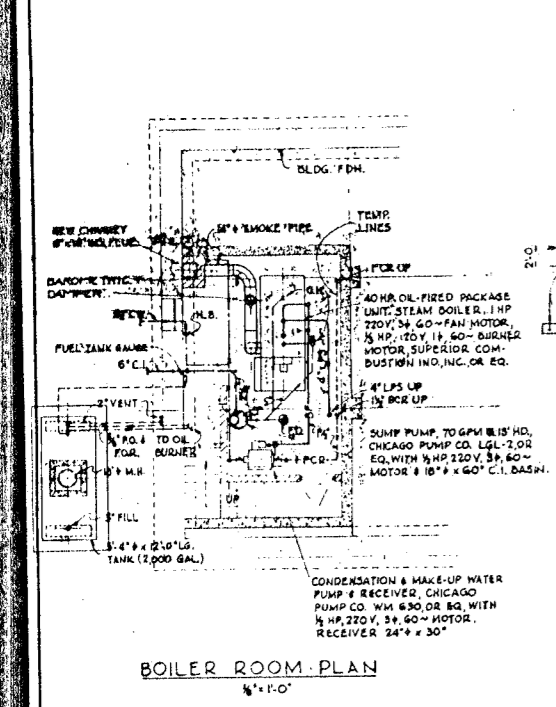
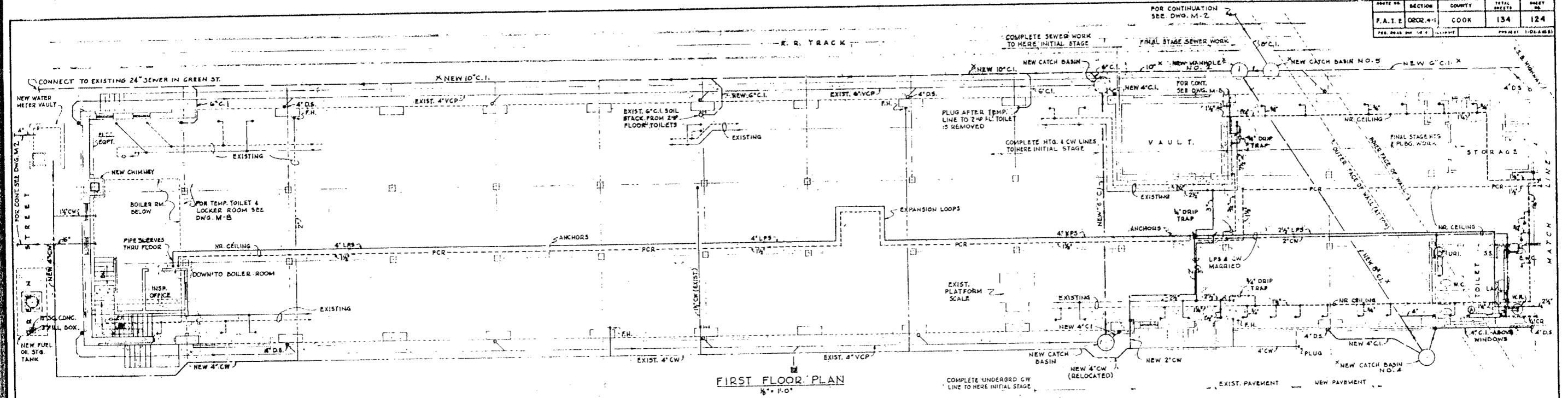
REFERENCES:

LOCATION OF SECTION AA/BB/CC	M-2
LOCATION OF DECK DRAINS	M-2
DETAIL OF DECK DRAIN	M-5
LOCATION OF SECTION JJ	M-3 & M-4

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 02024-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

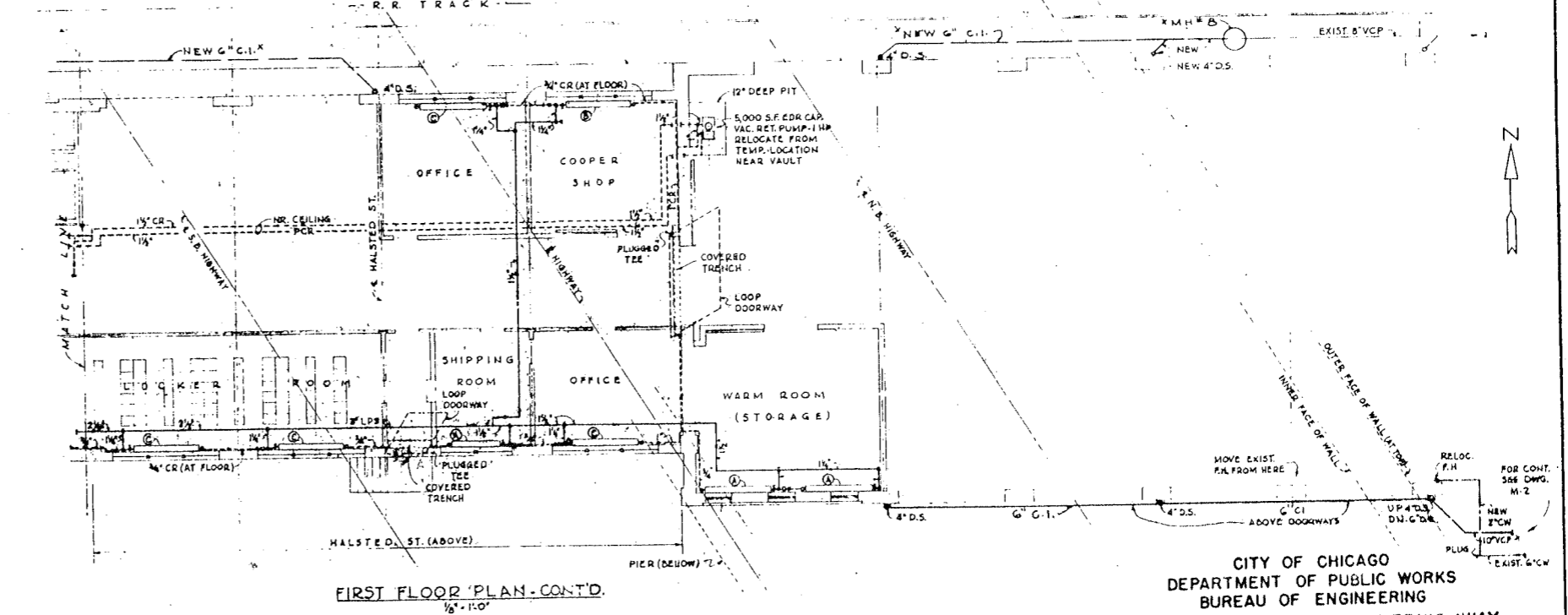
DRAINAGE DETAILS (KE)
SCALE: AS NOTED
DATE: MARCH 18, 1967
SHEET NO. M-6 OF 134 SHEETS

DE LEUW, CATHEN & CO. ENGINEERS
DESIGNED BY J.B.S.
DRAWN BY J.B.S.
CHECKED S.J.
IN CHARGE [Signature]



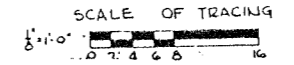
UNIT NO.	DESCRIPTION	HEAT OUTPUT (BTU)	QUAN. REQD.
A	32\"/>		
B	32\"/>		
C	32\"/>		

UNITS SHALL BE TRANE TYPE 'SW' OR EQUAL WITH CHAIN OPERATED DAMPERS. ABOVE HEAT OUTPUT IS FOR 2 TO 5 PSIG STEAM PRESSURE. TRAPS SHALL BE 1/2\"/>

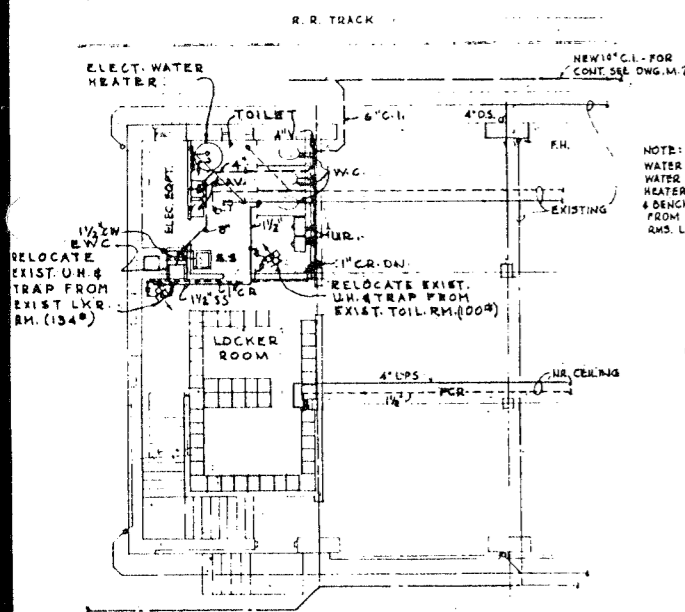


DE LEUW, CATHY & CO. ENGINEERS
 DESIGNED BY W.E.H.
 DRAWN BY W.E.H.
 CHECKED W. CHANCE
 IN CHARGE

NOTE:
 PIPE, CATCH BASINS AND MANHOLES MARKED 'X' ABOVE, ARE TO BE INCLUDED IN UNIT PRICE ITEMS AND NOT AS PART OF LUMP SUM FOR BUILDING ALTERATIONS. P.R.R. FREIGHT HOUSE. ALL OTHER WORK SHOWN ON DWGS. M7 & M8 SHALL BE INCLUDED IN THE LUMP SUM PRICE.
 EQUIPMENT SHOWN SHALL BE OF THE MANUFACTURER INDICATED OR APPROVED EQUAL.

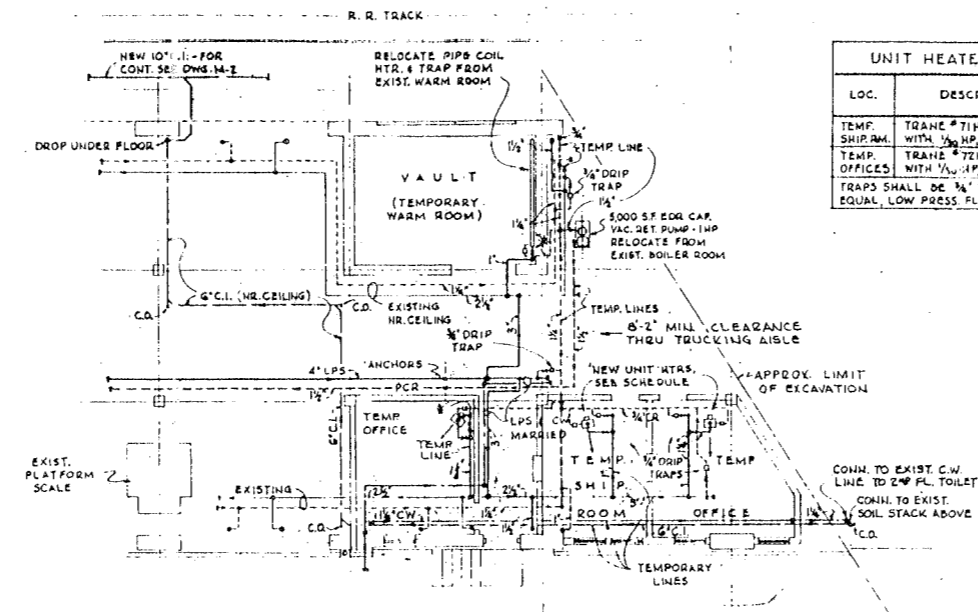


CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 P.R.R. HALSTED ST. FREIGHT HOUSE
 PLUMBING & HEATING
 DATE: MARCH 19, 1952
 SHEET NO. M-7 OF 134 SHEETS



1ST FLOOR PLAN
LAYOUT OF TEMPORARY
TOILET & LOCKER ROOM

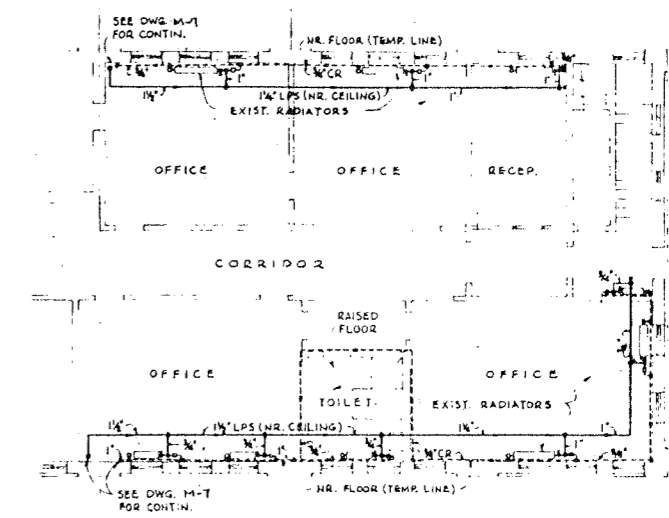
NOTE:
WATER CLOSETS URINALS, ELEC.
WATER COOLER, ELEC. WATER
HEATER, SERVICE SINK, LOCKERS
& BENCHES TO BE RELOCATED
FROM EXIST. TOILET & LOCKER
RMS. LAVATORIES TO BE NEW.



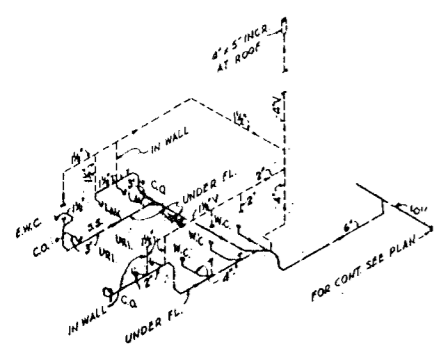
1ST FLOOR PLAN
LAYOUT OF TEMPORARY
OFFICES & WARM ROOM

LOC.	DESCRIPTION	HEAT OUTPUT EDR
TEMP. SHIP RM.	TRANE # 71H OR EQUAL WITH 1/2 HP 1500 RPM MOT.	92 S.F.
TEMP. OFFICES	TRANE # 72H OR EQUAL WITH 1/2 HP 1500 RPM MOT.	130 S.F.

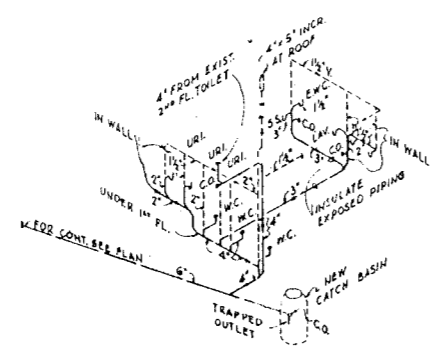
TRAPS SHALL BE 1/2" TRANE CLASS 200, OR EQUAL, LOW PRESS. FLOAT TRAPS.



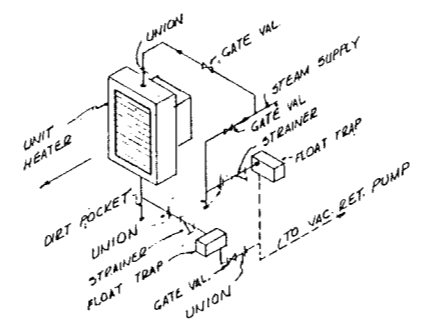
2ND FLOOR PLAN
LAYOUT OF TEMPORARY
HEATING PIPING FOR OFFICES



PLUMBING DIAGRAM



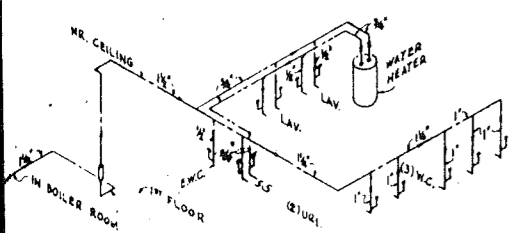
PLUMBING DIAGRAM



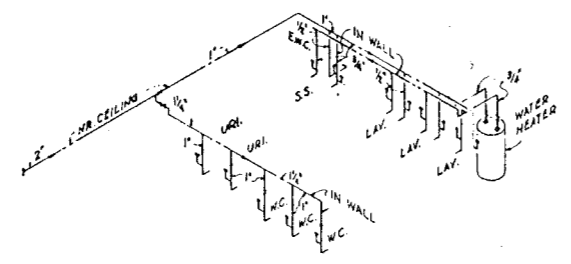
TYPICAL UNIT HEATER
PIPING DIAGRAM

- SYMBOLS & ABBREVIATIONS
- LPS --- LOW PRESSURE STEAM (LPS)
 - PCR --- PUMPED CONDENSATE RETURN
 - GCR --- GRAVITY COND. RETURN (CR) OR VENT(V)
 - S/D --- SEWER OR DRAIN
 - CW --- COLD WATER (CW)
 - HW --- HOT WATER (HW)
- C.B. CATCH BASIN
 - C.I. CAST IRON
 - C.O. CLEAN OUT
 - D.S. DOWN SPOUT
 - E.W.C. ELEC. WATER COOLER
 - F.D. FLOOR DRAIN
 - F.H. FIRE HYDRANT
 - F.O. FUEL OIL
 - F.O.R. FUEL OIL RETURN
 - H.B. HOSE BIBB
 - LAV. LAVATORY
 - M.H. MANHOLE
 - O.H. OPEN HUB
 - S.S. SERVICE SINK
 - U.H. UNIT HEATER
 - U.R. URINAL
 - V.C.P. VIT. CLAY PIPE
 - W.C. WATER CLOSET

GENERAL NOTES:
EQUIPMENT SHOWN SHALL BE OF THE MANUFACTURER
INDICATED OR APPROVED EQUAL.

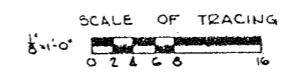


WATER DIAGRAM
TEMPORARY TOILET FACILITIES



WATER DIAGRAM
PERMANENT TOILET FACILITIES

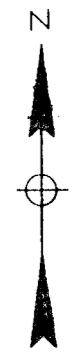
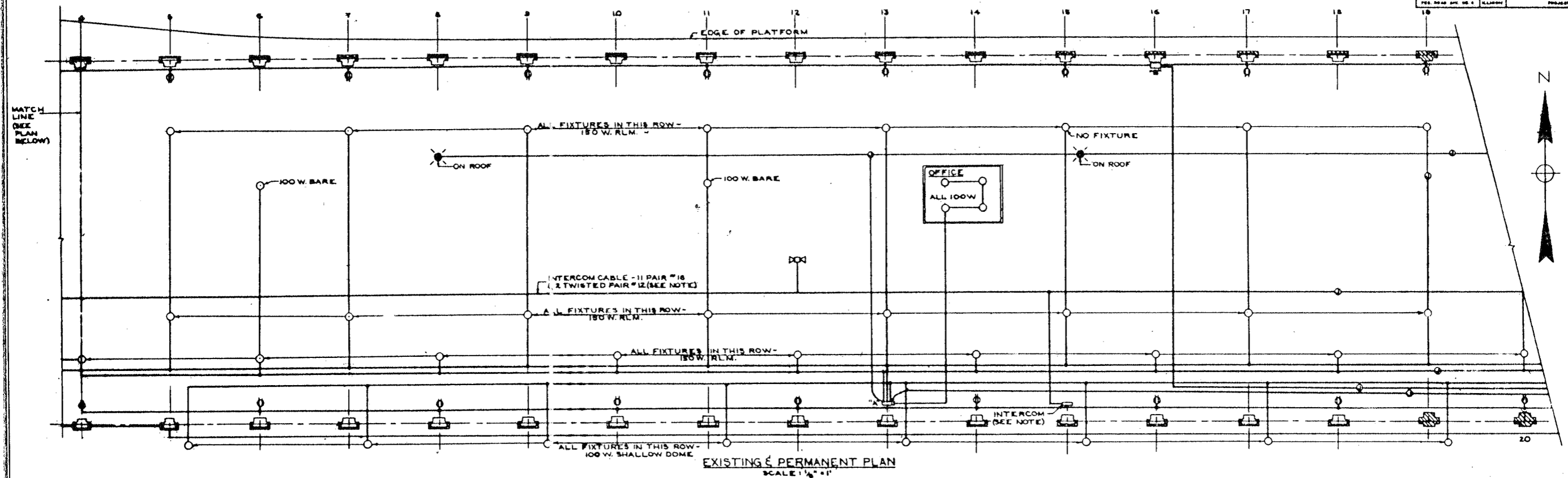
JE LEW, CATHER & CO. ENGINEERS
DESIGNED BY W.E.H.
DRAWN BY M.E.H.
CHECKED
IN CHARGE



CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
P.R.R. HALSTED ST. FREIGHT HOUSE
PLUMBING & HEATING

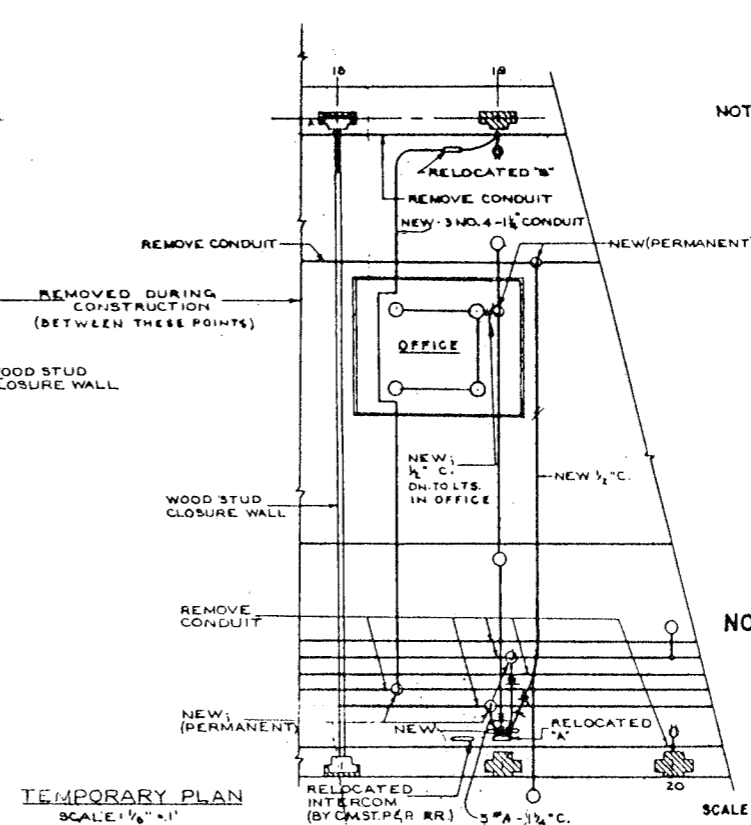
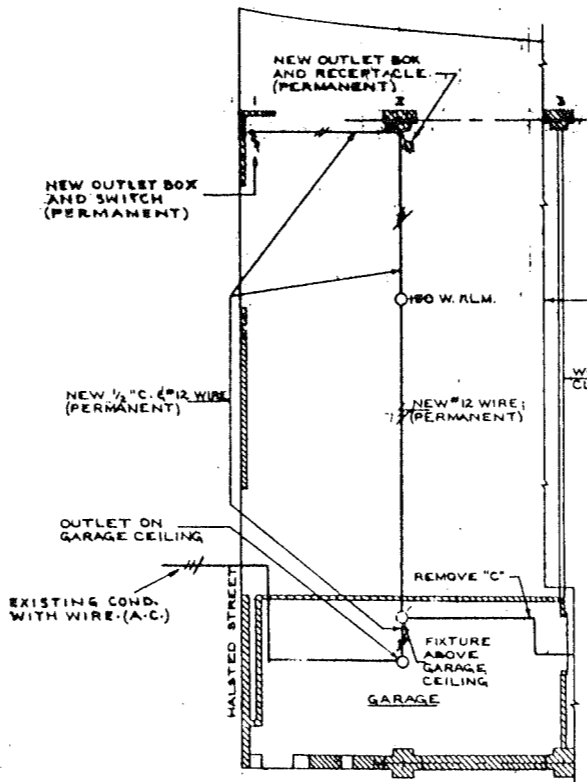
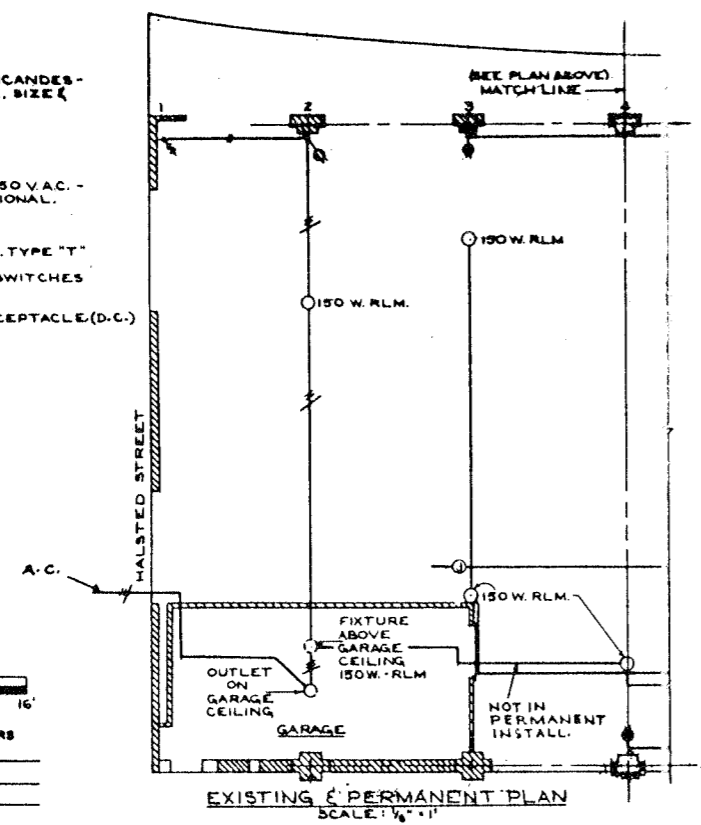
SCALE: AS NOTED
DATE: MARCH 18, 1952
SHEET NO. M-8 OF 134 SHEETS

MAP NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
F.A. 1.2	CHOC. 4-1	COOK	134	126
PER. ROAD DIST. NO. 4	ILLINOIS			PROJECT 1-02-1-50

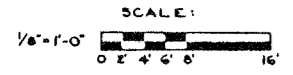


SYMBOLS

- CEILING OUTLET WITH INCANDESCENT LIGHTING FIXTURE. SIZE & TYPE AS NOTED.
- PULLBOX
- JUNCTION BOX.
- ⊕ DUPLEX RECEPTACLE, 250 V.A.C. - 125 V. D.C. - 30A. PYLE NATIONAL.
- ⊞ INTERCOM. SPEAKER
- ⊞ SINGLE POLE SWITCH, 10A. TYPE "T"
- ⊞ 6-2POLE FUSED ROTARY SWITCHES FOR LIGHTING (D.C.)
- ⊞ BOX WITH 6 FUSES FOR RECEPTACLE (D.C.)
- ☼ FLOOD LIGHT

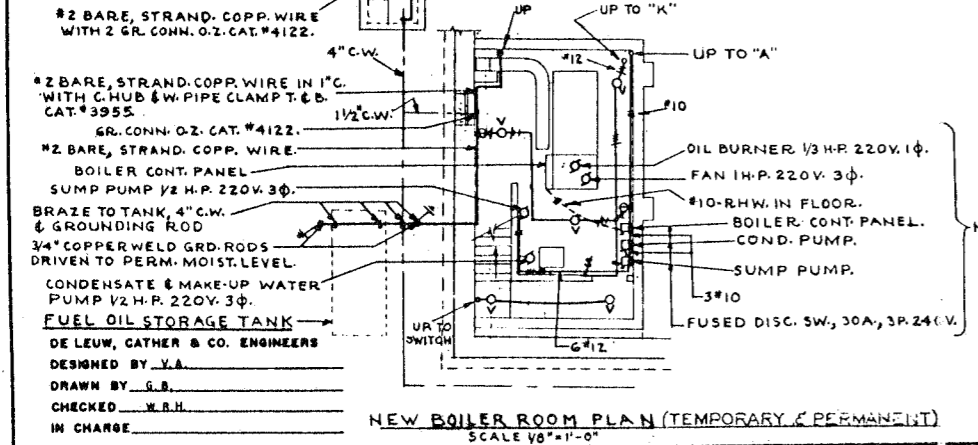
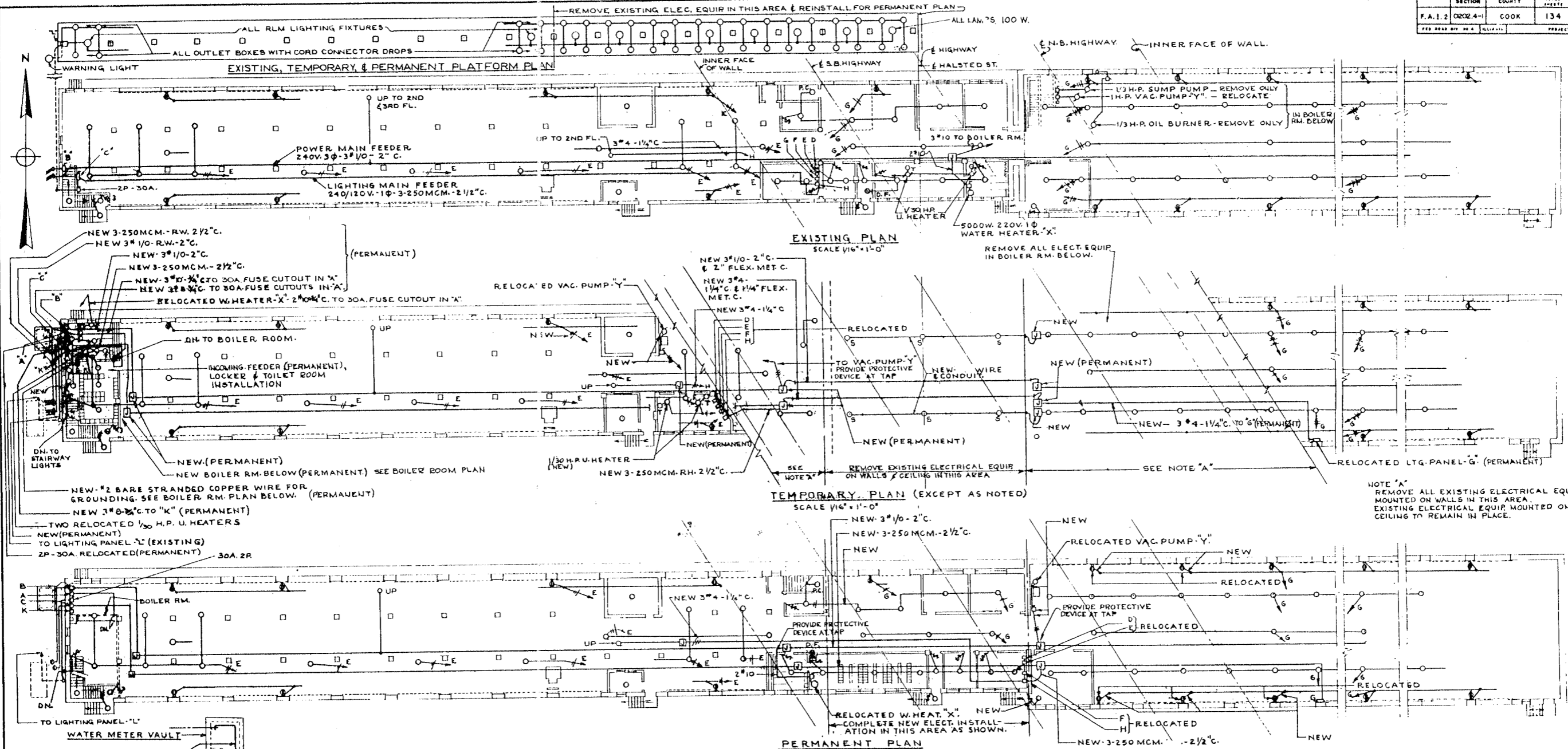


- NOTES:**
- EXISTING LIGHTING UNITS ON THE NORTH SIDE OF FREIGHT HOUSE NO. 1 SHALL BE MAINTAINED IN SERVICE AND REPLACED WITH LIKE UNITS IF DAMAGED IN REMOVING.
 - THE EXISTING OVERHEAD CABLE LINE LOCATED NORTH OF TRACK 9 WILL BE REPLACED BY THE RAILROAD COMPANY.
 - TEMPORARY TRACK WORK AND WALKWAYS SHALL BE ADEQUATELY LIGHTED BY THE CONTRACTOR AS OUTLINED IN SPECIFICATION.
 - THE INTERCOM SYSTEM SHALL BE REMOVED & RELOCATED BY THE MILWAUKEE ROAD.



DE LEUW, CATHY & CO. ENGINEERS
 DESIGNED BY V.A.
 DRAWN BY R.R.
 CHECKED W.R.H.
 IN CHARGE W.R.H.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 C.M.S.T.P. & P.R.R. FREIGHT HOUSE NO. 1
 PLANS



- DA TWO BRANCH CIRCUIT 3 POLE, 250V, 30 AMP PORCELAIN BASE FUSE CUTOUPS. MOUNT IN SHEET STEEL BOX WITH HINGED COVER. (NEW-PERMANENT)
- DB POWER SERVICE SW. 200A. 240V. 3φ. RELOCATED (PERMANENT)
- DC LIGHTING SERVICE SW. 300A. 240/120V. 1φ-3W. RELOCATED (PERMANENT)
- DD LOAD CENTER 4SP-2DP. RELOCATED
- DE 16 CIR. LIGHTING PANEL.
- DF LOAD CENTER 4SP-2DP.
- DG 14 CIR. LIGHTING PANEL.
- DH FUSE PANEL 2-3P.100A. -4SP.60A. RELOCATED
- DI LIGHTING FIXT. 200W. RLM. REFL. EXISTING & RELOCATED.
- DJ LIGHT. FIXT. VAPOR PROOF PENDENT-150W. BENJAMIN CAT.#7122A & N3380 (NEW) (PERMANENT)
- DK SINGLE POLE SWITCH. (EXISTING / NEW)
- DL THREE-WAY SWITCH. (EXISTING)
- DM DUPLEX RECEPT. HUBBELL TWISTLOCK, 250V-30A. (EXISTING / REINSTALLED)
- DN DRINKING FOUNTAIN RECEPT. RELOCATED
- DO SINGLE RECEPTACLE. (NEW) (PERMANENT)
- DP JUNCTION BOX. (NEW)
- DQ THERMAL SW. & THERMOSTAT. (NEW)
- DR MOTOR, HORSEPOWER AS INDICATED.
- DS SERVICE HEAD. (EXISTING)
- DT EXISTING OUTLET CAPPED.
- DU SIX CIRCUIT PLUG FUSE CUTOUT, WITH 3W. MAINS TRUMBULL CAT.#29A8. (NEW) (PERMANENT)
- DV 200 W. RLM REFLECTOR SUSPENDED FROM BOX INSTALLED ON UNDERSIDE OF TEMPORARY ROOF. (NEW)
- DW DISCONNECT SWITCH 1/16" x 1-0"
- DX 6 CIR. LIGHTING PANEL (EXISTING)

NOTE: INTERCOM SYSTEM TO BE REMOVED & RELOCATED BY PENNSYLVANIA R.R.

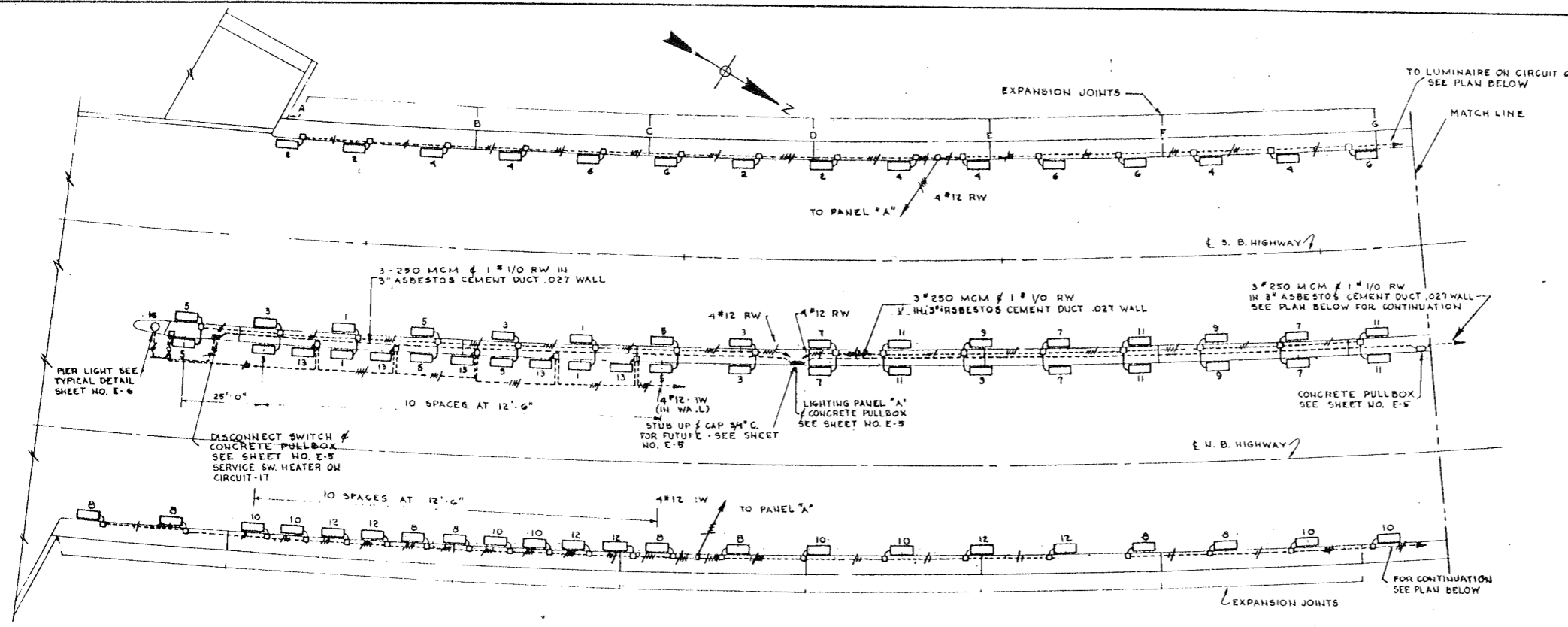
TEMPORARY TRACK WORK AND WALKWAYS SHALL BE ADEQUATELY LIGHTED BY THE CONTRACTOR AS OUTLINED IN SPECIFICATION.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 PRR. HALSTED ST. FREIGHT HOUSE
 AND PLATFORM AT TRACK 13
 PLANS
 DATE: MARCH 19, 1957
 SHEET NO. E-2 OF 134 SHEETS

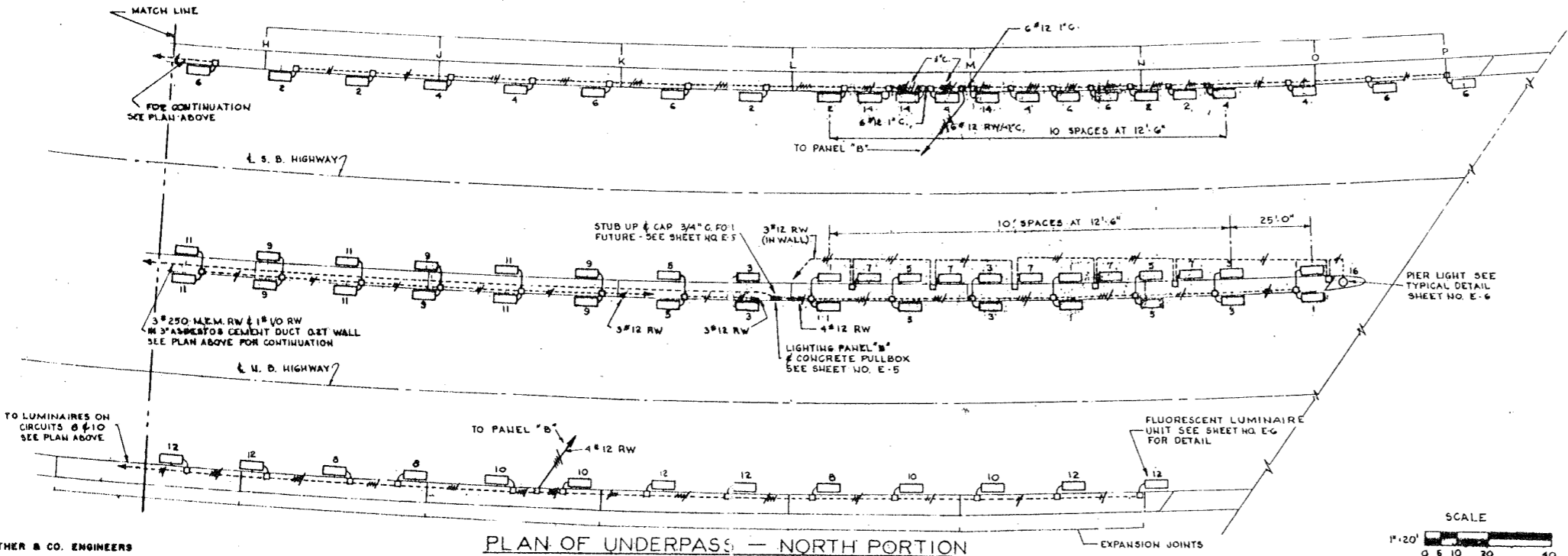
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1.2	COOK	134	128

- LEGEND**
- FLUORESCENT LUMINAIRE. GENERAL ELECTRIC FORM 205 CAT. NO. A2291AK WITH 10 AMP. TYPE F10T12/CW/RB SINGLE TUBE & ADJUSTABLE BRACKET.
 - INCANDESCENT PIER LIGHTING UNIT 200W. WITH REFRACTING LENS & CAST GUARD. REVERE. CAT. NO. 3004.
 - LIGHTING PANEL - 3 PH., 4 W., 120/208V. WITH 10-15A SINGLE POLE BRANCH CIRCUIT BREAKERS AND 50A 3 P. 240V. MAIN CIRCUIT BREAKER. TRUMBULL CAT. NO. W4B418AB.
 - FUSED DISCONNECT SWITCH - 200 A., 3P. 5W., 4W. 240V. IN NEMA I CASE TRUMBULL CAT. NO. 724245H.
 - CAST IRON OUTLET BOX - SIMPLET ELECTRIC CO. SUBWAY STYLE "B".
 - CONDUIT RUN CONCEALED - LONG CROSS MARK INDICATES NEUTRAL, SHORT CROSS MARKS INDICATE PHASE WIRES.
 - CONDUIT RUN EXPOSED.
 - UNDERGROUND DUCT RUN: (C) INDICATES CITY OF CHICAGO, DEPT. OF STREETS AND ELECTRICITY.
 - MANHOLE. COMMONWEALTH EDISON CO.
 - MANHOLE. CITY OF CHICAGO, DEPT. OF STREETS AND ELECTRICITY.

- NOTES:**
1. ALL CONDUIT TO BE 3/4 INCH GALVANIZED STEEL, UNLESS OTHERWISE INDICATED.
 2. EXPANSION FITTINGS FOR ASBESTOS - CEMENT DUCT TO BE OF ASBESTOS CEMENT.
 3. EXPANSION JOINTS FOR 3/4 INCH STEEL CONDUIT TO BE GALVANIZED STEEL EXPANSION UNIONS.
 4. ALL BRANCH CIRCUIT WIRING TO BE NO. 12 A.W.G. TYPE RW, EXCEPT AS INDICATED.
 5. LOCATE FLUORESCENT LUMINAIRES APPROX. 26'-0" ON CENTERS, EXCEPT AS NOTED. HORIZONTAL CENTERLINE OF LUMINAIRES TO BE APPROX. 12'-0" ABOVE CENTERLINE OF ROADWAY.
 6. CONDUITS ACROSS UNDERPASS TO BE RUN PARALLEL TO AND ABOVE UNDERSIDE OF STRUCTURAL MEMBERS.



PLAN OF UNDERPASS - SOUTH PORTION
SCALE: 1" = 20'-0"



PLAN OF UNDERPASS - NORTH PORTION
SCALE: 1" = 20'

DE LEUW, CATHY & CO. ENGINEERS
DESIGNED BY R.A.C.
DRAWN BY R.A.C.
CHECKED W.R.H.
IN CHARGE

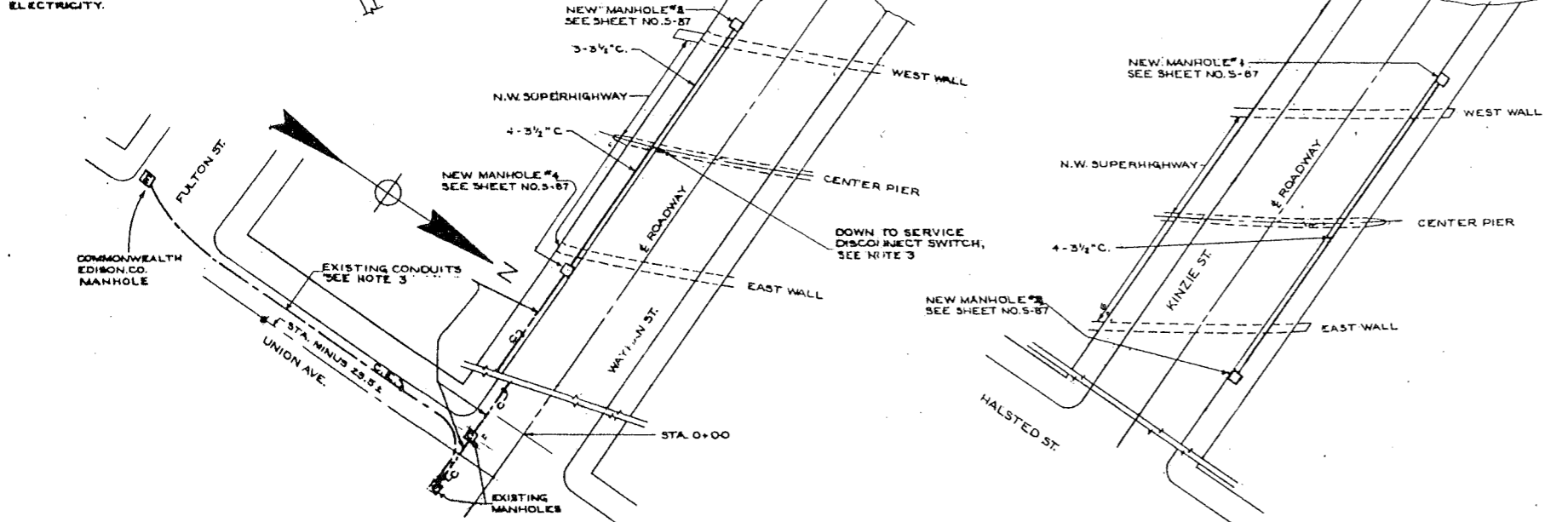
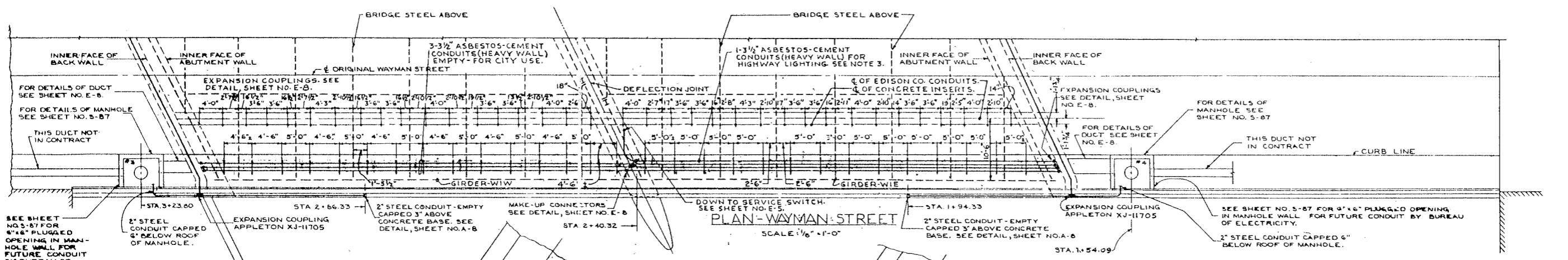
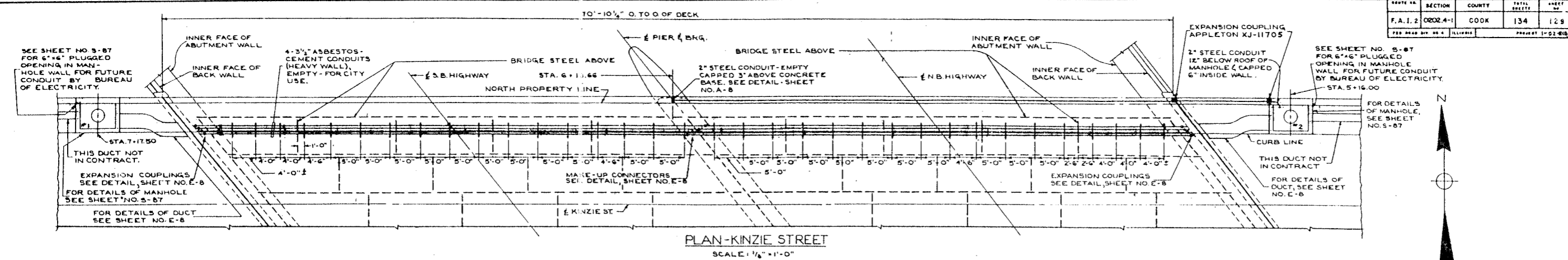
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

UNDERRASS LIGHTING
PLANS

SCALE: AS NOTED
DATE: MARCH 19, 1957
SHEET NO. E-3 OF 134 SHEETS

KE

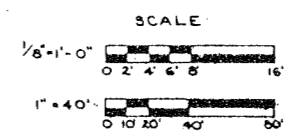
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 2	0202.4-1	COOK	134	129
FEB. 28, 1967 BY: [Signature]		PROJECT 1-02 WBS		



NOTES

1. NO HANGER SHALL BE LOCATED LESS THAN 12" FROM CENTER LINE OF ROAD BEAMS.
2. FOR DETAILS OF SUPPORTS FOR ASBESTOS-CEMENT CONDUITS UNDER BRIDGES, SEE SHEET NO. E-5.
3. 3-250 MCM # 1# NO CABLE FURNISHED AND INSTALLED UNDER THIS CONTRACT.

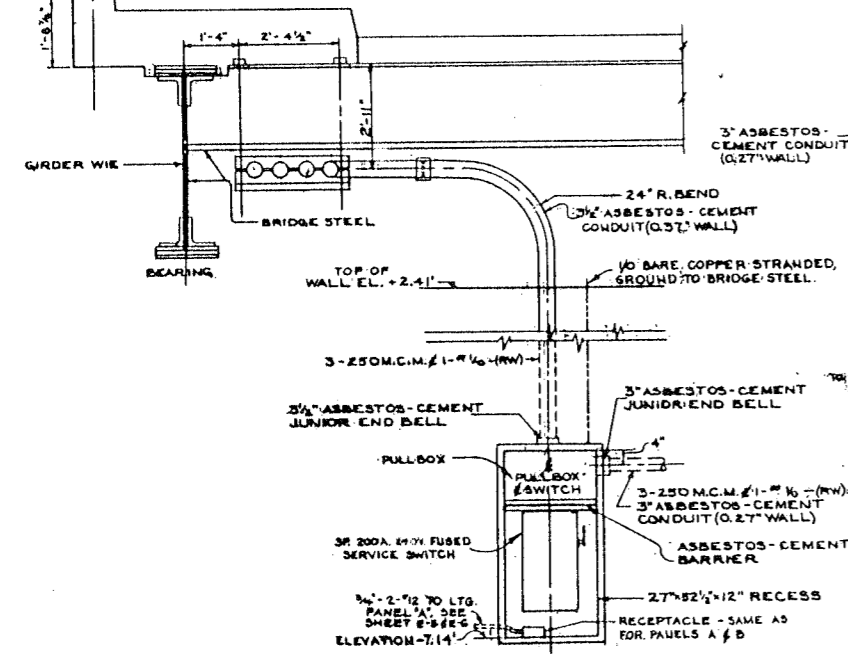
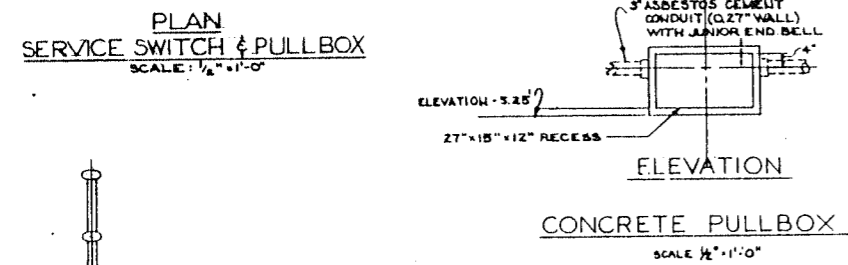
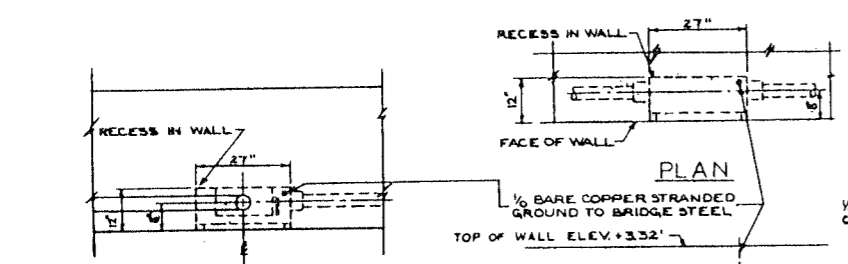
CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 CONDUITS UNDER BRIDGES B
 ROUTE OF DUCT LINE



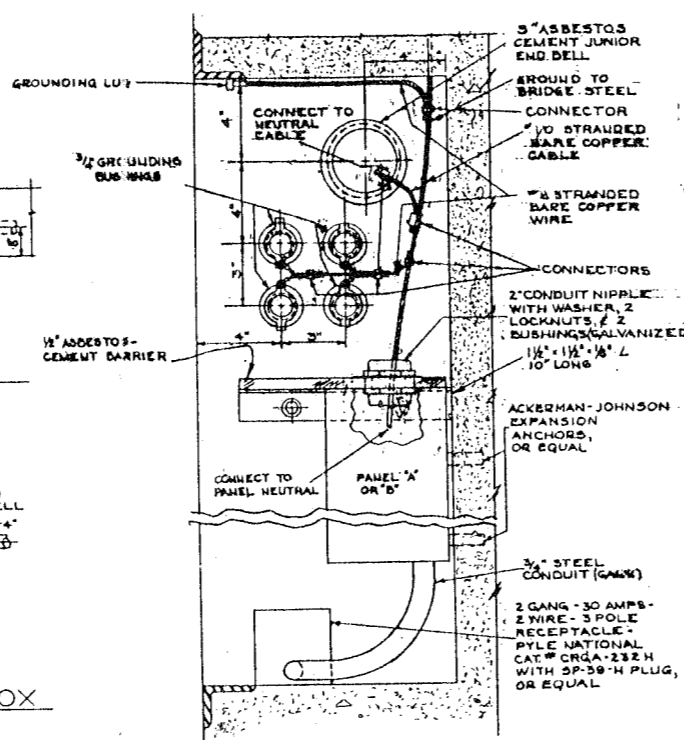
DE LEUW, CATHER & CO. ENGINEERS
 DESIGNED BY V.A.
 DRAWN BY G.B.
 CHECKED W.B.H.
 IN CHARGE

ROUTE OF DUCTS & CABLES
 SCALE: 1" = 40'-0"

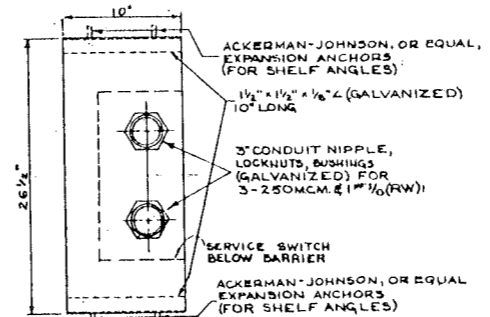
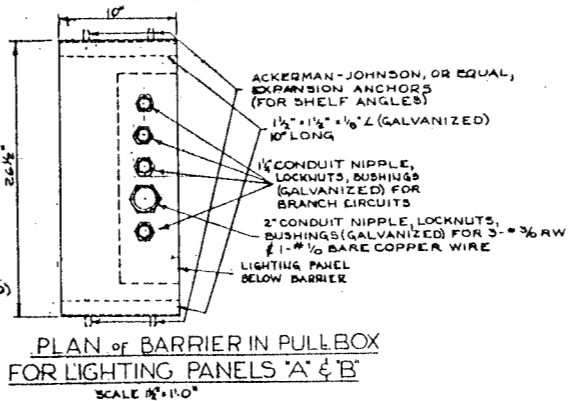
SCALE: AS NOTED
 SHEET NO. E-4 OF 134 SHEETS
 DATE: MARCH 18, 1967



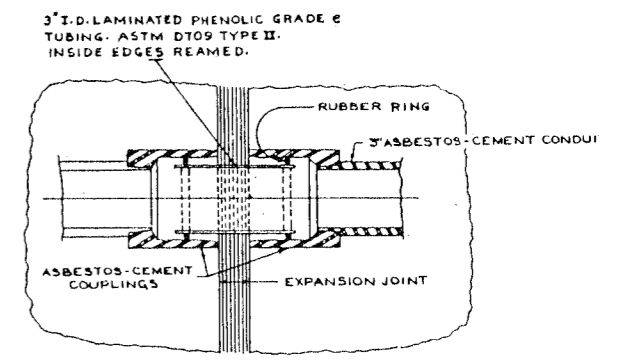
ELEVATION SERVICE SWITCH & PULL BOX
SCALE: 1/4"=1'-0"



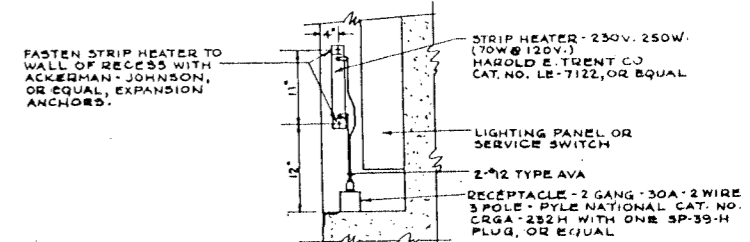
SECTION 'A-A'
PULL BOX & PANEL 'A' OR 'B'
SCALE: 3/8"=1'-0"



PLAN of BARRIER IN PULL BOX FOR SERVICE SWITCH
SCALE: 1/2"=1'-0"

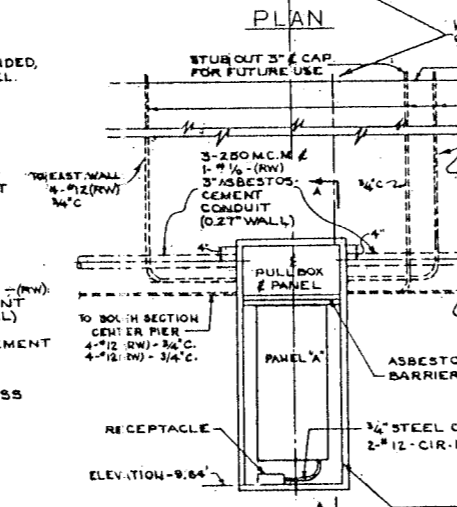
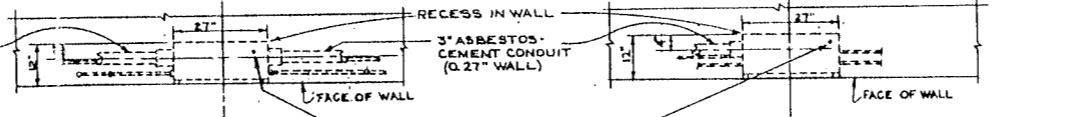


DETAIL OF ASBESTOS CEMENT CONDUIT EXPANSION JOINT ASSEMBLY
SCALE: 3/8"=1'-0"

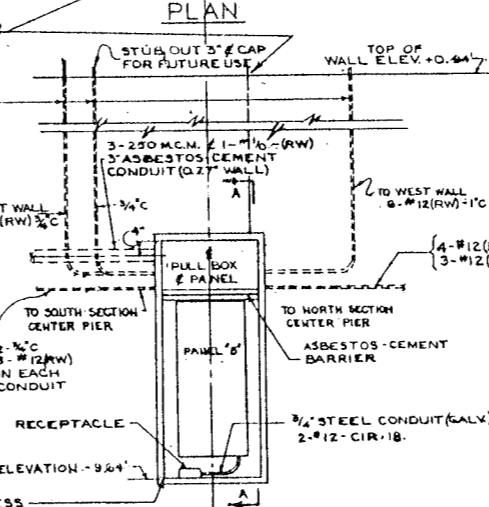
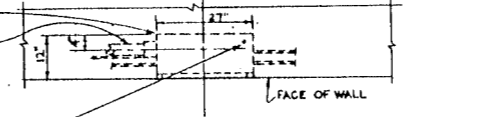


TYPICAL DETAIL OF STRIP HEATER MOUNTING
NOT TO SCALE

- NOTES
1. ALL CONDUIT SHALL BE 1/4" INCH GALVANIZED STEEL, UNLESS OTHERWISE INDICATED.
 2. FOR RECESSES IN CONCRETE WALL FOR SWITCH, PANELS, & PULL BOX, REFER TO SHEET NO. 5-59.



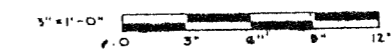
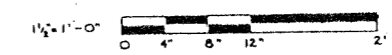
ELEVATION LIGHTING PANEL 'A' & PULL BOX
SCALE: 1/4"=1'-0"



ELEVATION LIGHTING PANEL 'B' & PULL BOX
SCALE: 1/4"=1'-0"

PLANS & ELEVATIONS OF CENTER PIER WALL RECESSES - LOOKING WEST
FOR DETAILS OF FRAMES & COVERS - SEE SHEET E-7

SCALES:



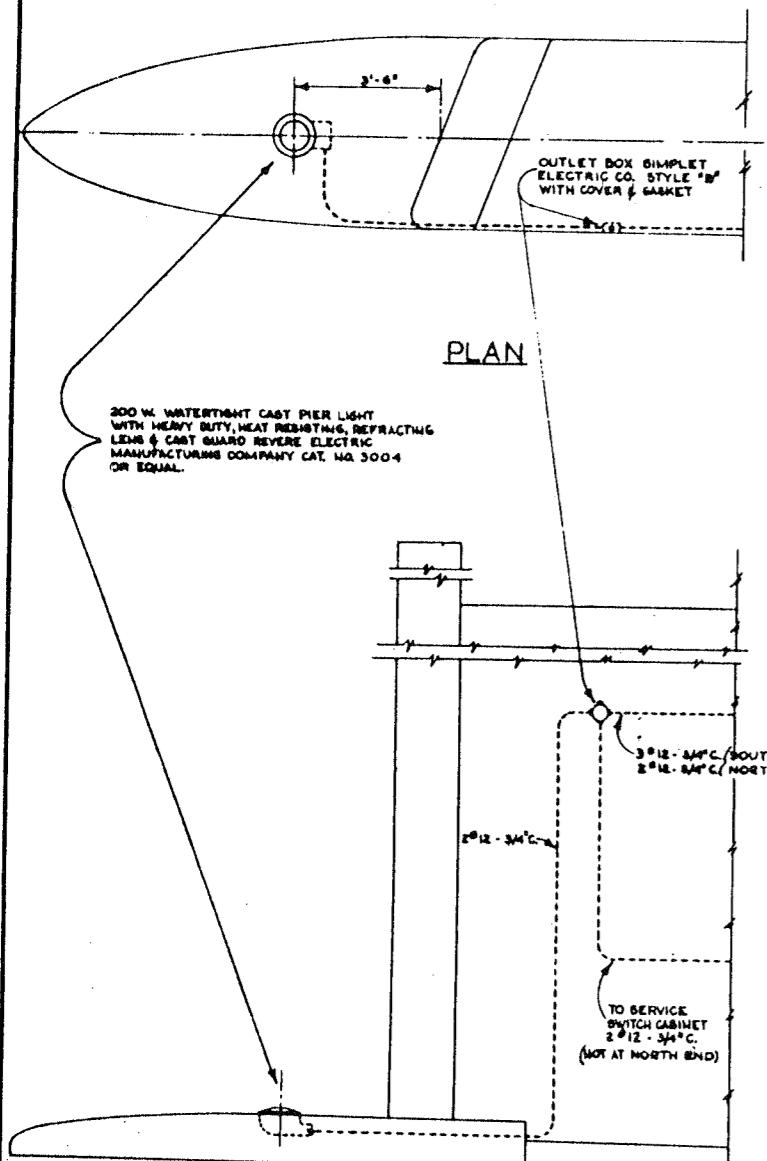
SCALE: AS NOTED

DE LEUW, CATHER & CO. ENGINEERS
DESIGNED BY V.A.
DRAWN BY G.B.
CHECKED W.R.H.
IN CHARGE

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
EQUIPMENT AT CENTER PIER
PLANS & ELEVATIONS

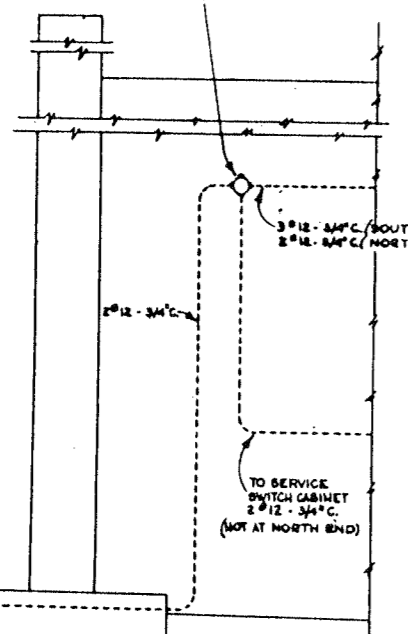
DATE: MARCH 10, 1977
SHEET NO. E-5 OF 134 SHEETS

NO. 10	DATE	DESIGNED BY	SCALE	SHEET NO.
F. A. 178	OCT. 2-41	GOOD	1/4"	131
PROJ. NO. 211-1		DRAWING		

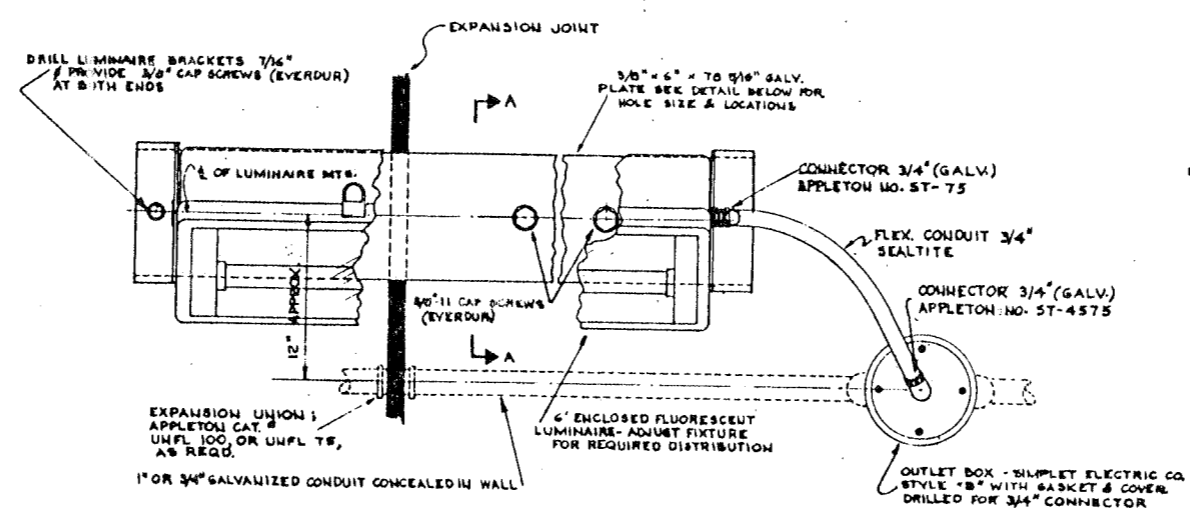


PLAN

300 W. WATER-TIGHT CAST PIER LIGHT WITH HEAVY DUTY, HEAT RESISTING, REFRACTING LENS & CAST GUARD REVERE ELECTRIC MANUFACTURING COMPANY CAT. NO. 3004 OR EQUAL.

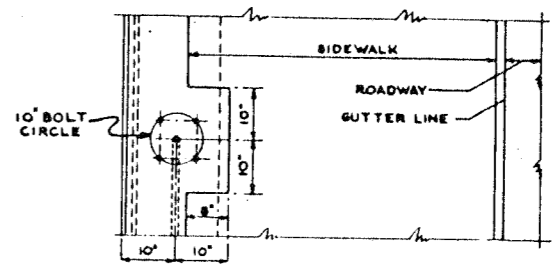


ELEVATION OF CENTER PIER
WAYMAN ST. END LOOKING WEST
KINZIE ST. END LOOKING EAST
SCALE 1/2" = 1'-0"

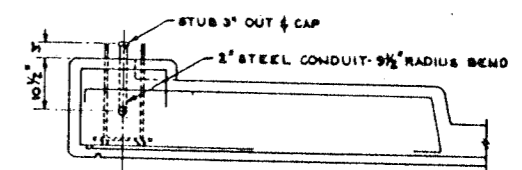


TYPICAL LUMINAIRE MOUNTING DETAIL AT EXPANSION JOINT

SCALE 3" = 1'-0"

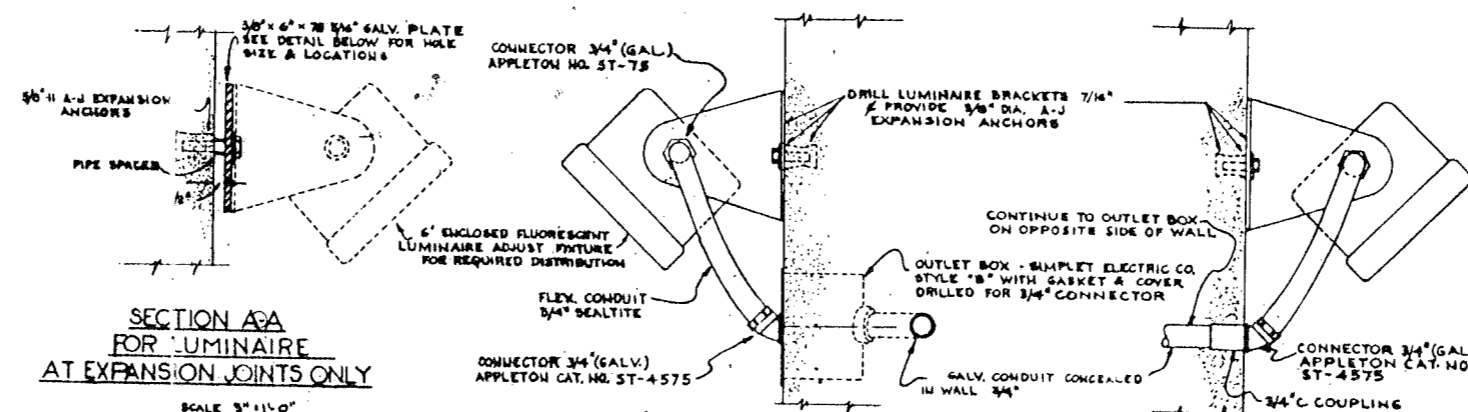


PLAN



ELEVATION

TYPICAL DETAIL FOR CONDUIT ENTRANCE TO STREETLIGHT STANDARDS
SCALE 3/4" = 1'-0"



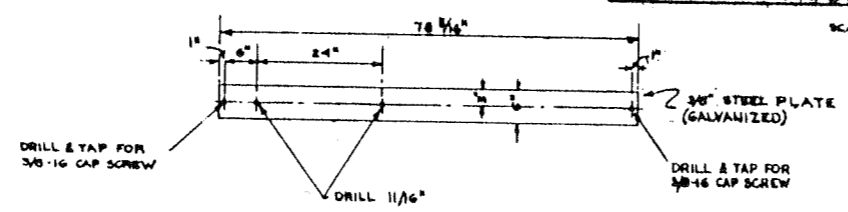
SECTION A-A FOR LUMINAIRE AT EXPANSION JOINTS ONLY

SCALE 3" = 1'-0"

(WITH OUTLET BOX)
SECTIONS SHOWING TYPICAL LUMINAIRE MOUNTED ON WALL

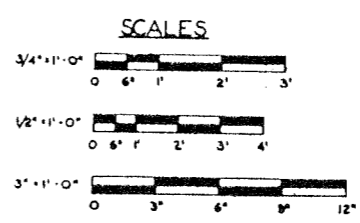
SCALE 3" = 1'-0"

(WITHOUT OUTLET BOX)



DETAIL OF PLATE FOR MOUNTING LUMINAIRE AT EXPANSION JOINTS

SCALE 3/4" = 1'-0"



SCALES

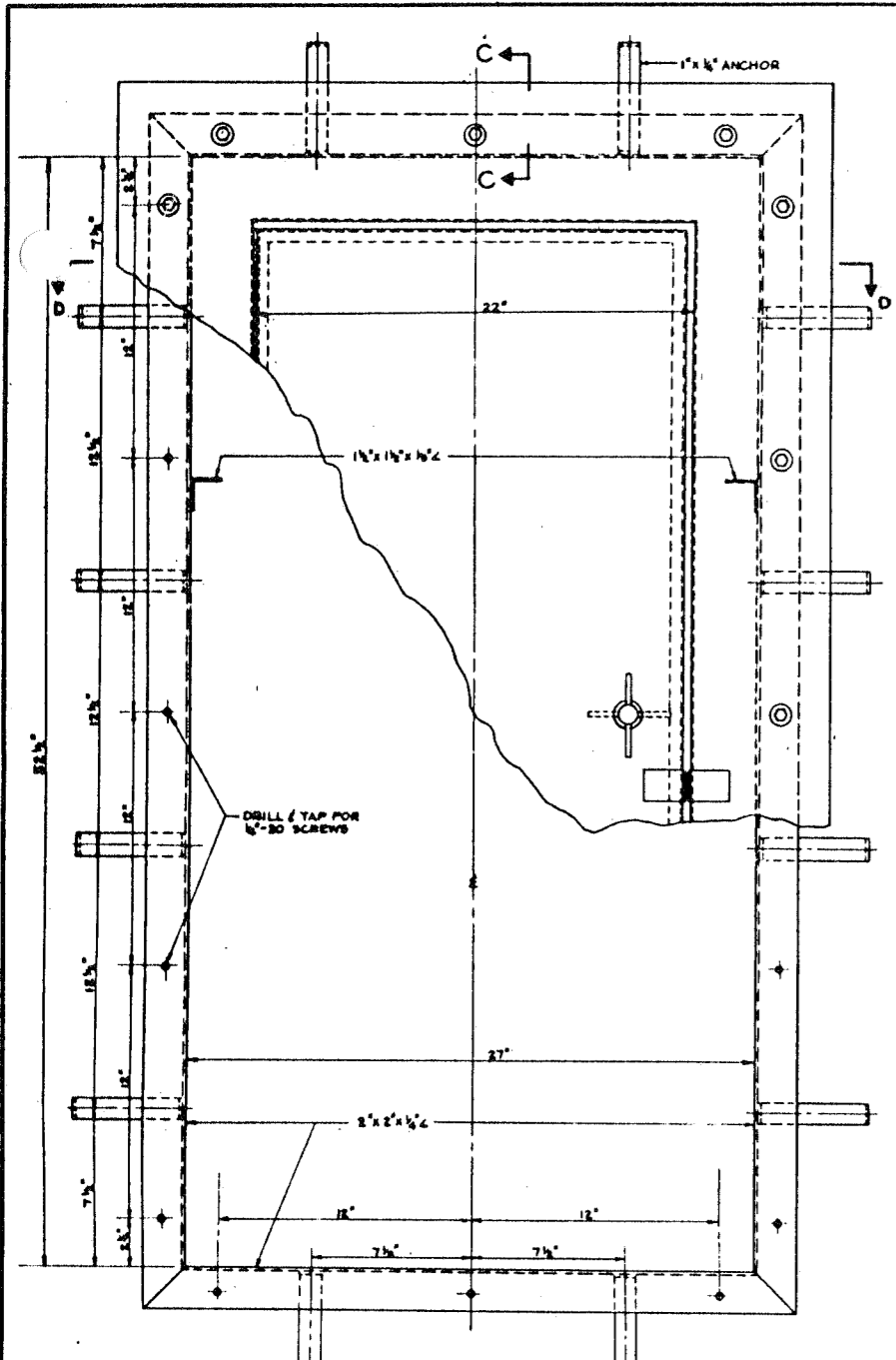
- NOTES:
1. FOR SIMPLET ELECTRIC CO. OUTLET BOXES, REFER TO SHEET NO. E-3
 2. FOR 6" ENCLOSED FLUORESCENT LUMINAIRE REFER TO SHEET NO. E-3
 3. FLEXIBLE CONDUIT TO BE AMERICAN BRASS CO. 'SEALTITE' OR APPROVED EQUIV. - 'EVERDUR' REFERS TO A COPPER-SILICON ALLOY AS MANUFACTURED BY ANACONDA COPPER CO. OR EQUAL

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

FIXTURE MOUNTING DETAILS

DE LEW, GATHER & CO. ENGINEERS
DESIGNED BY V. A.
DRAWN BY S. P.
CHECKED H. B. H.
IN CHARGE *H. B. H.*

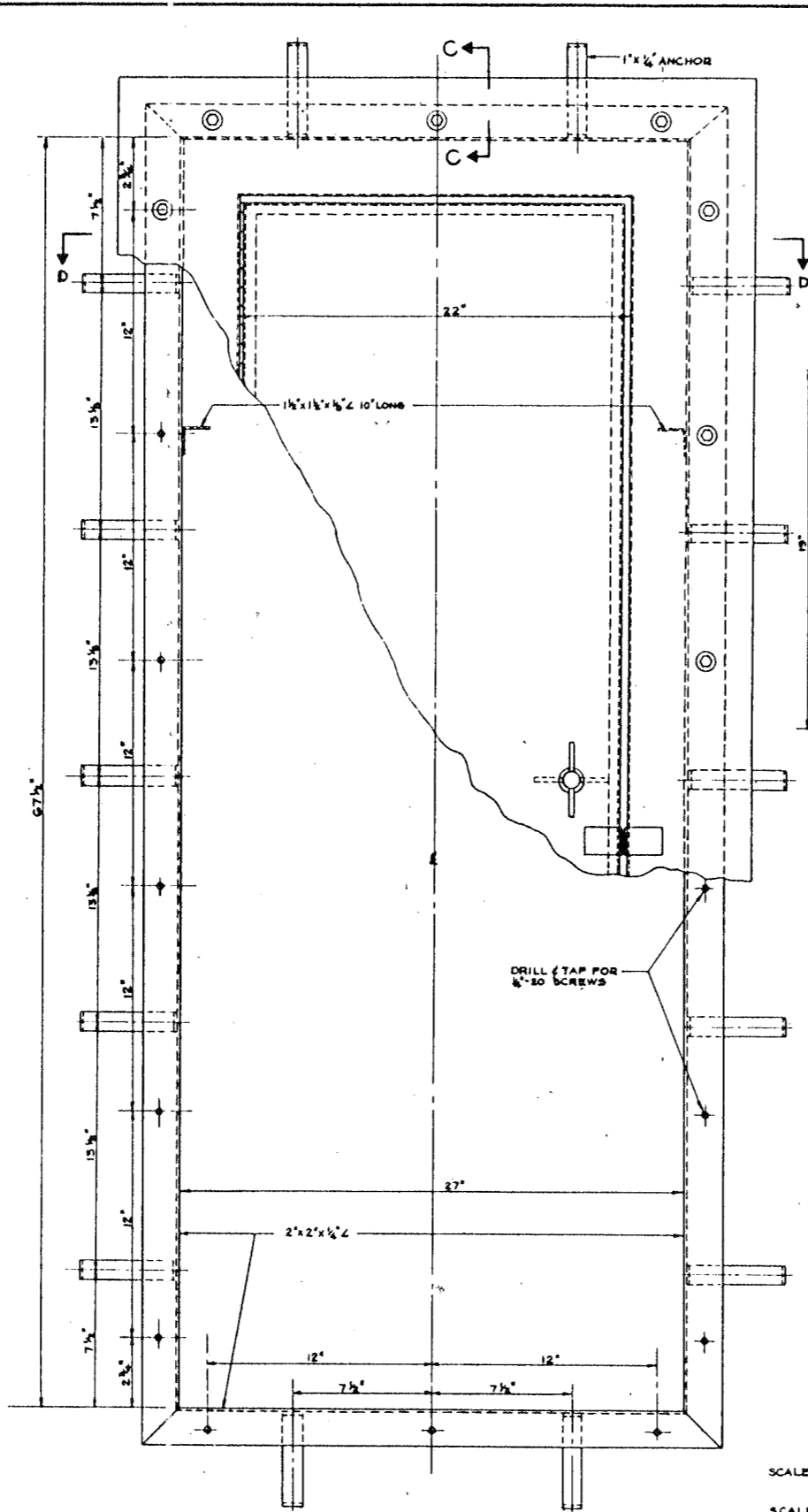
DATE	DESIGNER	CHECKER	SCALE	SHEET NO.
F.A.I.B.	0202.4-1	00-04	1/8"	134
P.O. ROAD DIST. NO. 4		ILLINOIS	STANDARD 1-22-1958	



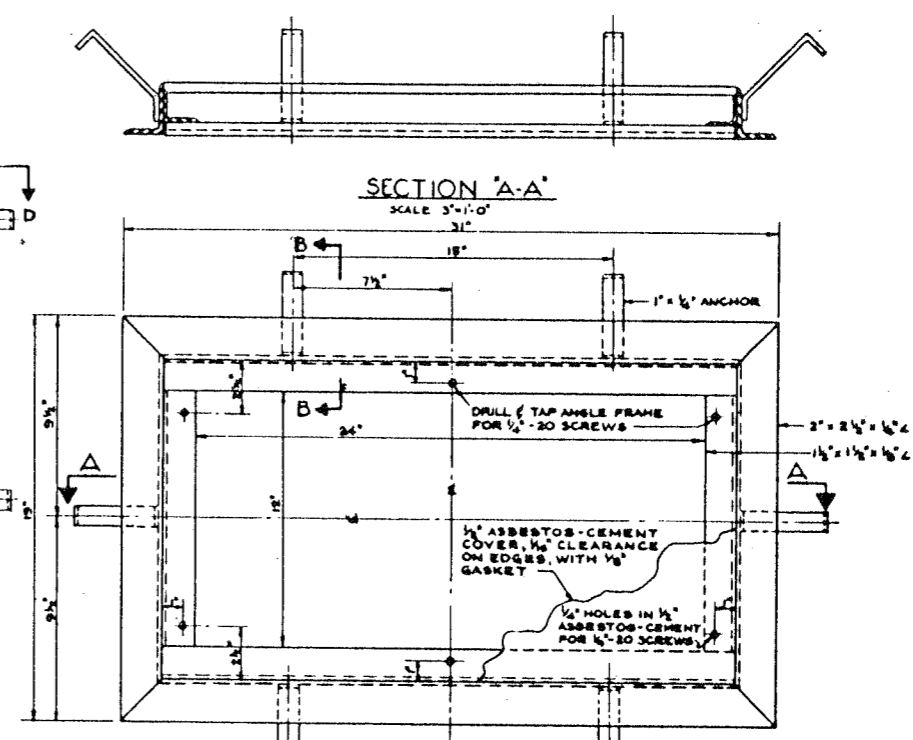
DETAIL OF FRAME FOR SERVICE SWITCH & PULLBOX
SCALE: 3"=1'-0"

1. ALL ANGLES & ANCHORS TO BE WELDED
2. ALL COVER FASTENERS SHALL BE EVERDUR, OR EQUAL, 1/2"-20 HEX HEAD CAP SCREWS WITH WASHERS.
3. ALL STEELWORK TO BE GALVANIZED AFTER FABRICATION BY THE HOT DIP METHOD.

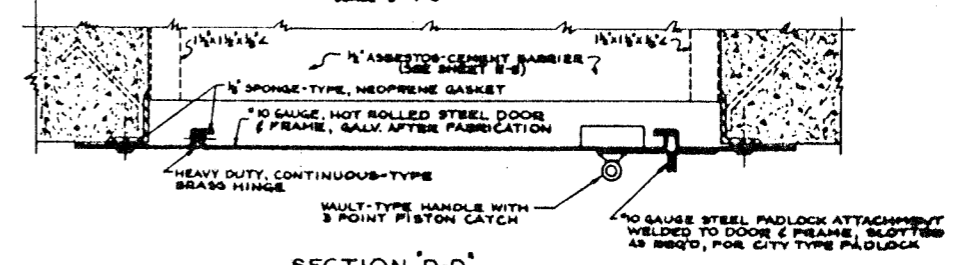
DE LEVY, CATHY & CO. ENGINEERS
DESIGNED BY V.A.
DRAWN BY S.B.
CHECKED W.R.H.
IN CHARGE *W.R.H.*



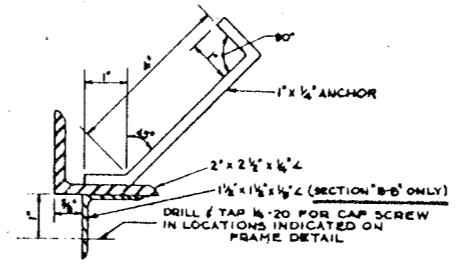
DETAIL OF FRAME FOR LIGHTING PANELS A, B & PULLBOX
SCALE: 3"=1'-0"



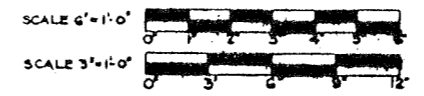
DETAIL OF FRAME FOR PULLBOX
SCALE: 3"=1'-0"



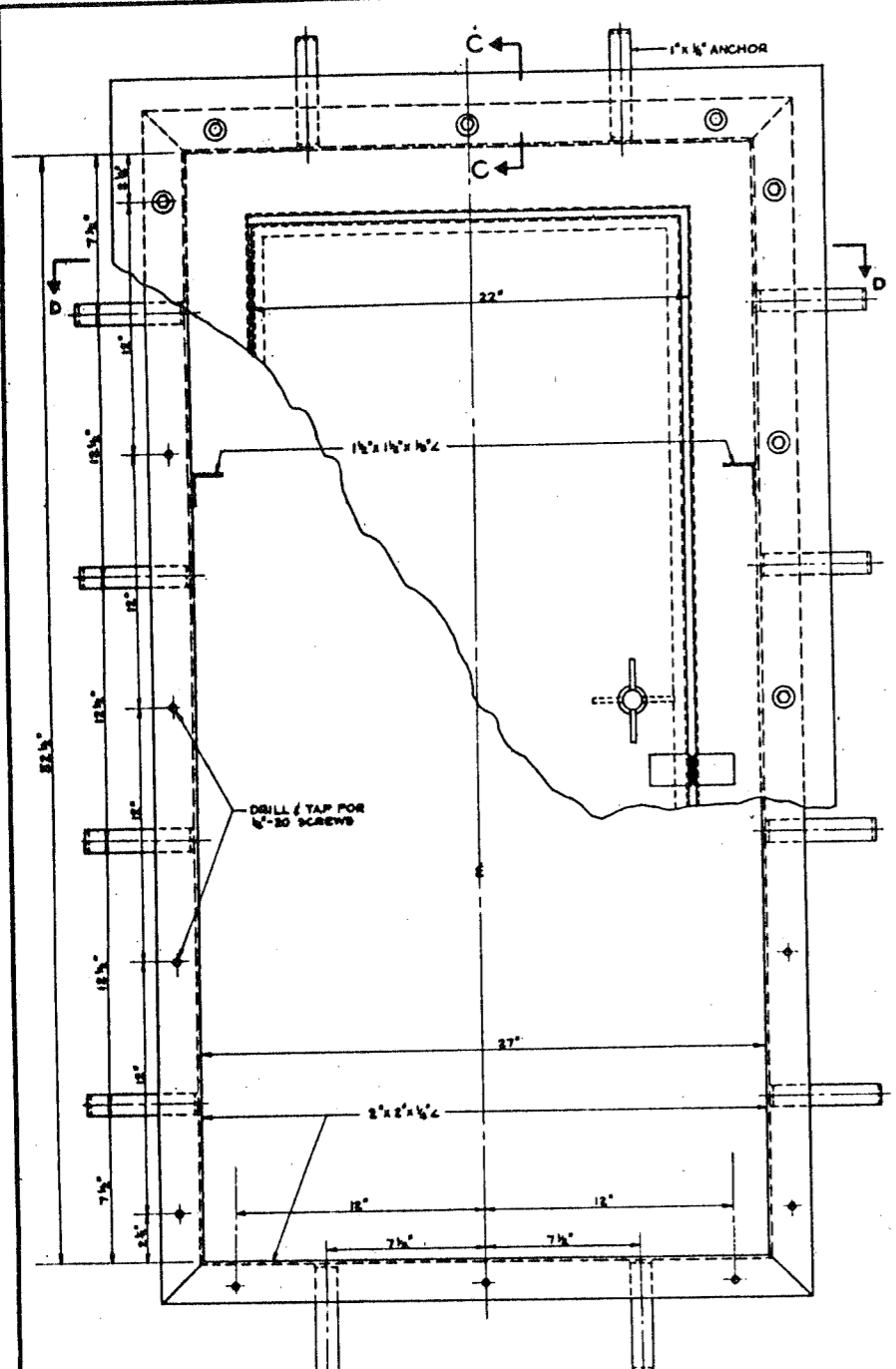
SECTION D-D



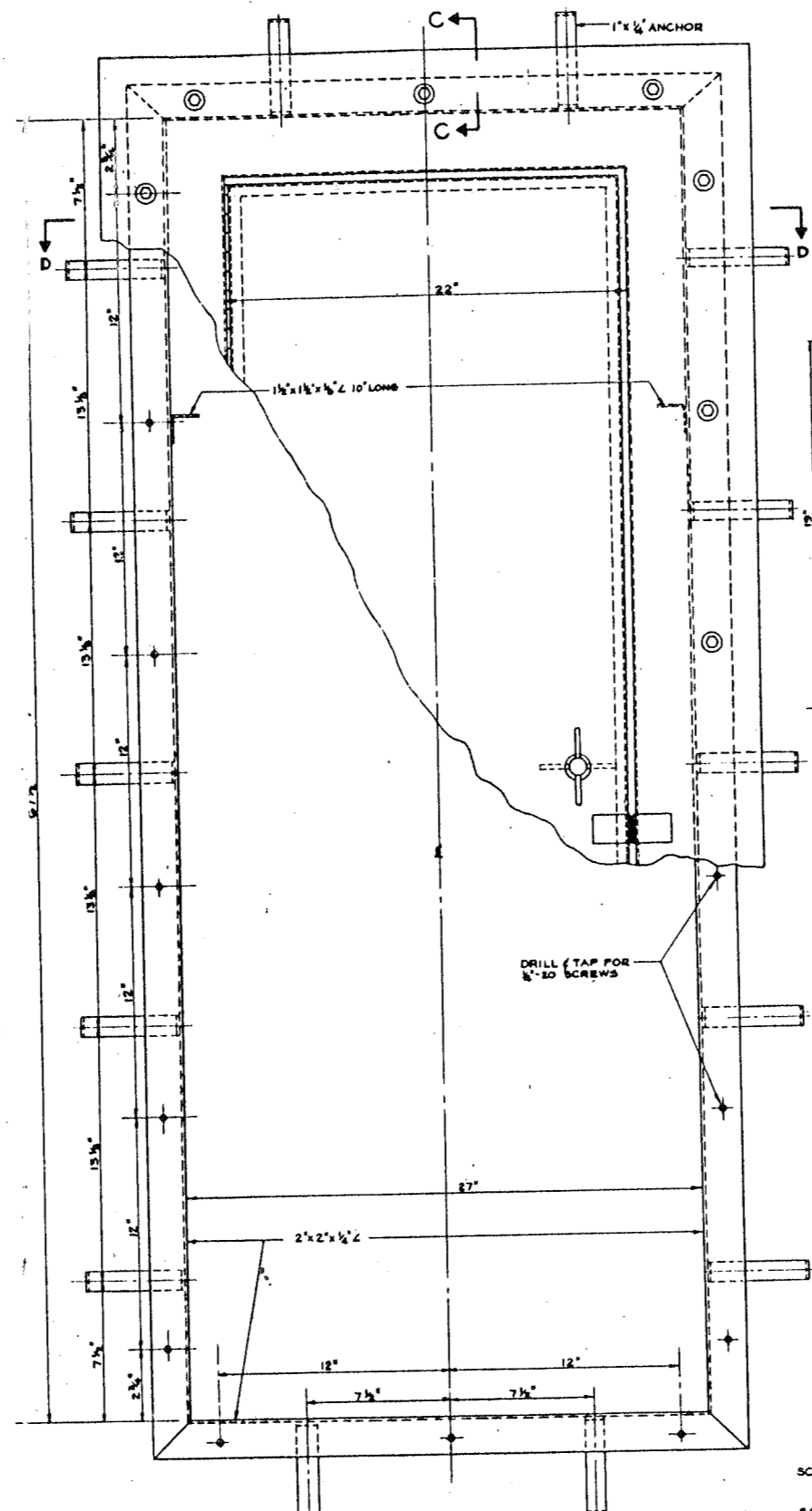
SECTION B-B & C-C
SCALE: 3"=1'-0"



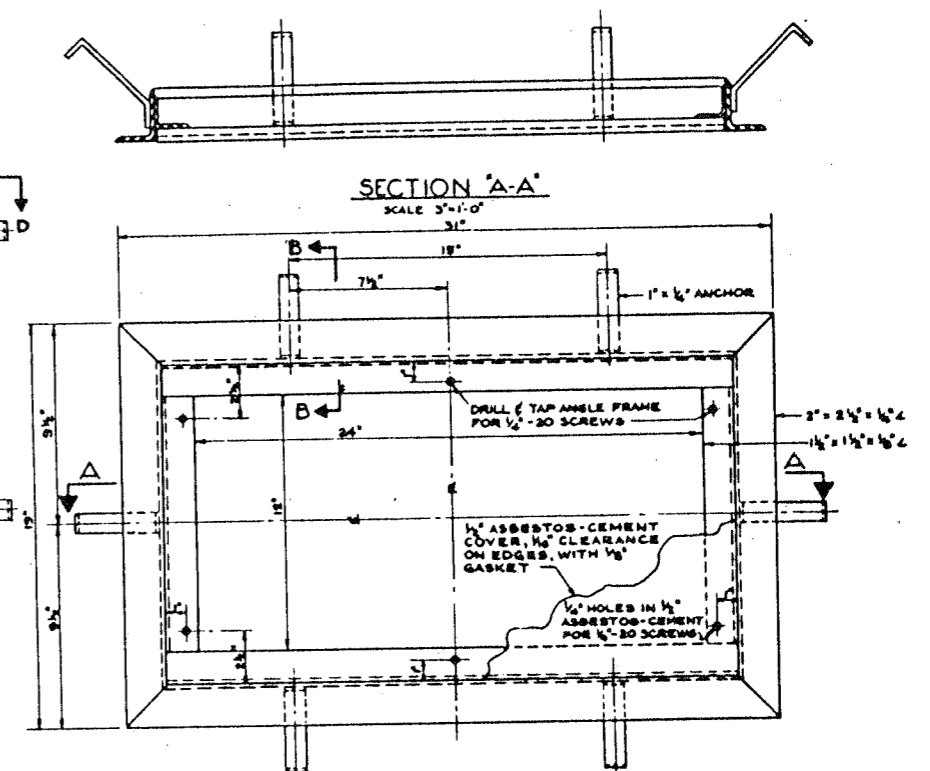
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KENZIE ST.
FRAMES FOR CONCRETE BOXES
DETAILS



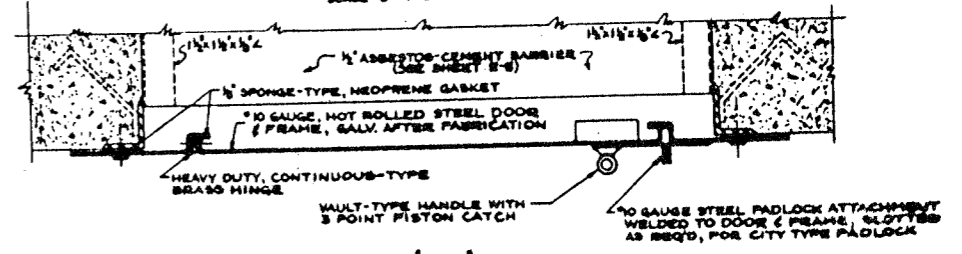
DETAIL OF FRAME FOR SERVICE SWITCH & PULLBOX
SCALE: 3'-1'-0"



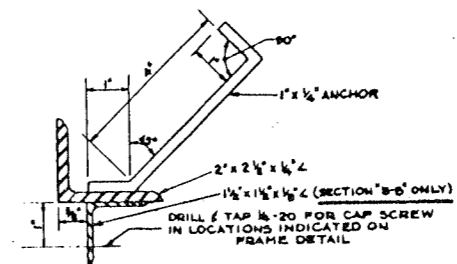
DETAIL OF FRAME FOR LIGHTING PANELS A, B & PULLBOX
SCALE: 3'-1'-0"



DETAIL OF FRAME FOR PULLBOX
SCALE: 3'-1'-0"



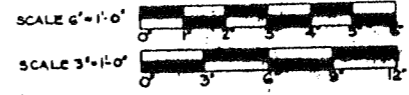
SECTION D-D



SECTION B-B & C-C
SCALE: 6'-1'-0"

1. ALL ANGLES & ANCHORS TO BE WELDED
2. ALL COVER FASTENERS SHALL BE EVERDUR, OR EQUAL, 1/2-20 HEX HEAD CAP SCREWS WITH WASHERS.
3. ALL STEELWORK TO BE GALVANIZED AFTER FABRICATION BY THE HOT DIP METHOD.

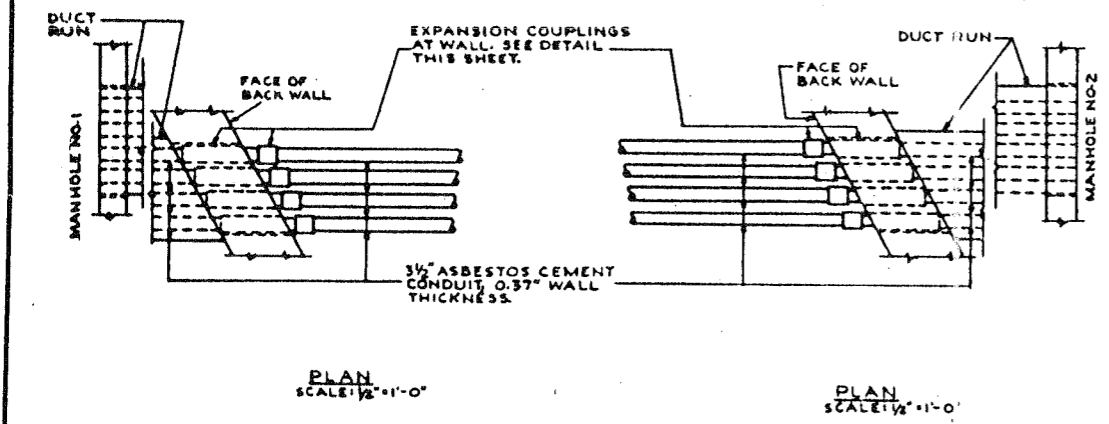
DE LEVE, CATHER & CO. ENGINEERS
DESIGNED BY: V.A.
DRAWN BY: S.B.
CHECKED: W.B.H.
IN CHARGE: W.B.H.



CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0202.4-1
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
FRAMES FOR CONCRETE BOXES
DETAILS

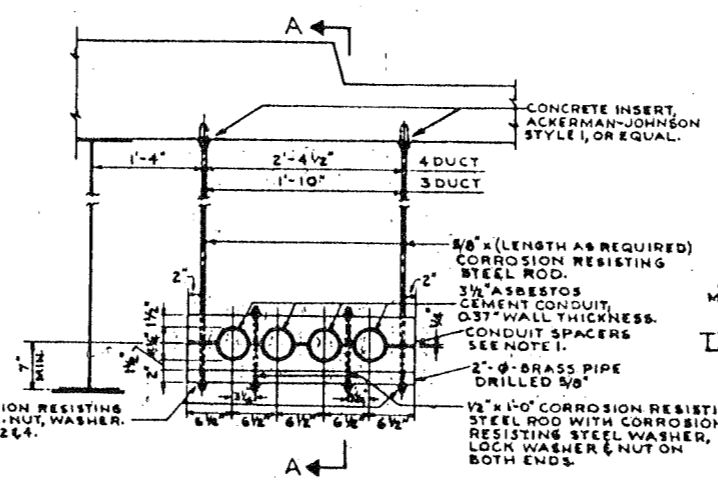
SCALE: AS NOTED
DATE: MARCH 1957
SHEET NO. E-7 OF 134 SHEETS

PROJECT	SECTION	SHEET	TOTAL SHEETS
P.A.L.	0202.4-1	60-08	134
DATE	NO. 4	DATE	NO. 4

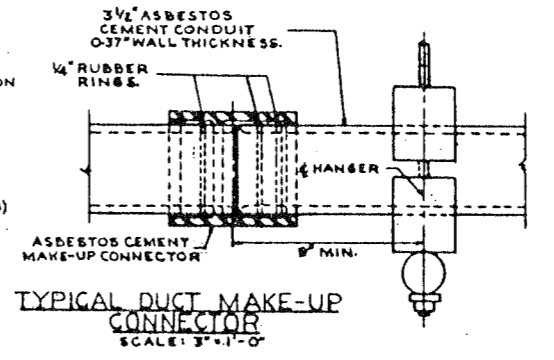


PLAN SCALE: 1/2" = 1'-0"

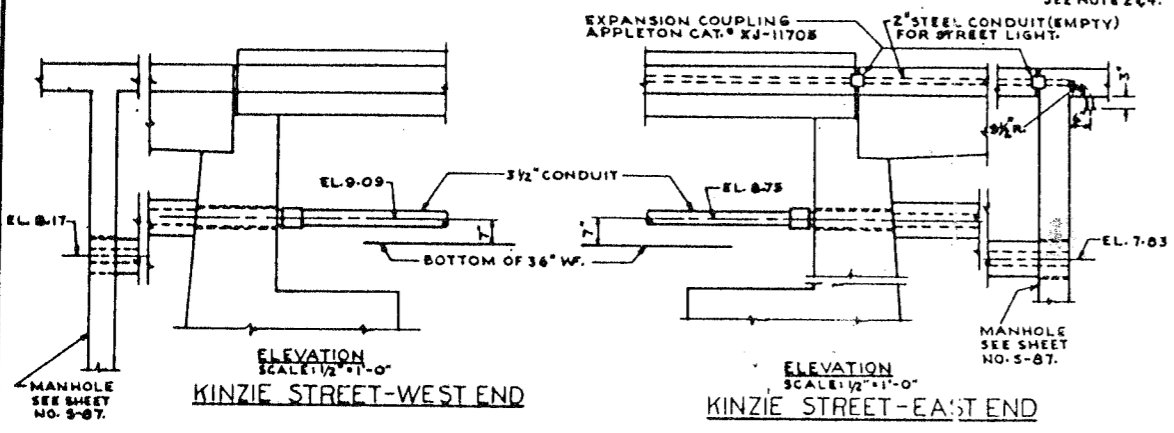
PLAN SCALE: 1/2" = 1'-0"



TYPICAL ASBESTOS CEMENT CONDUIT HANGER SCALE: 1" = 1'-0"

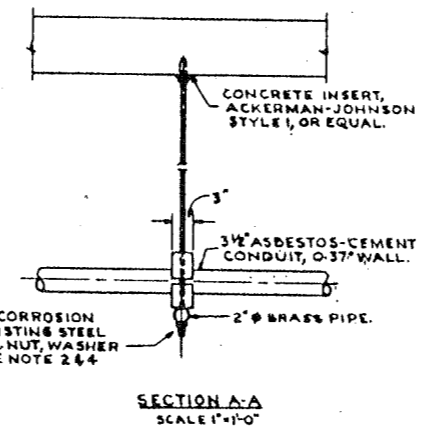


TYPICAL DUCT MAKE-UP CONNECTOR SCALE: 3" = 1'-0"

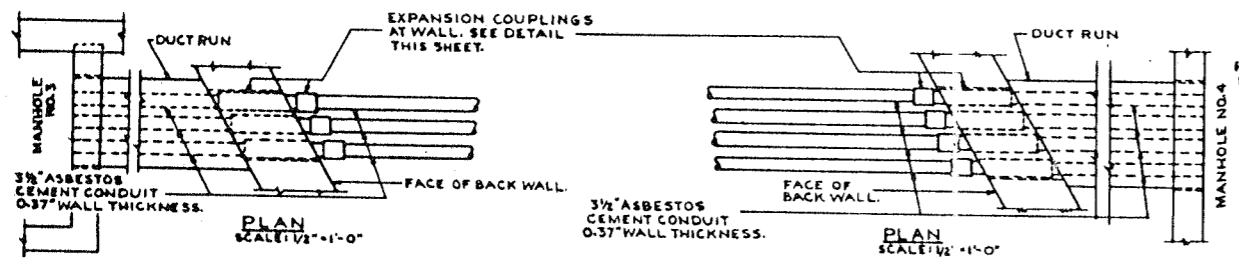


ELEVATION SCALE: 1/2" = 1'-0" KINZIE STREET-WEST END

ELEVATION SCALE: 1/2" = 1'-0" KINZIE STREET-EAST END

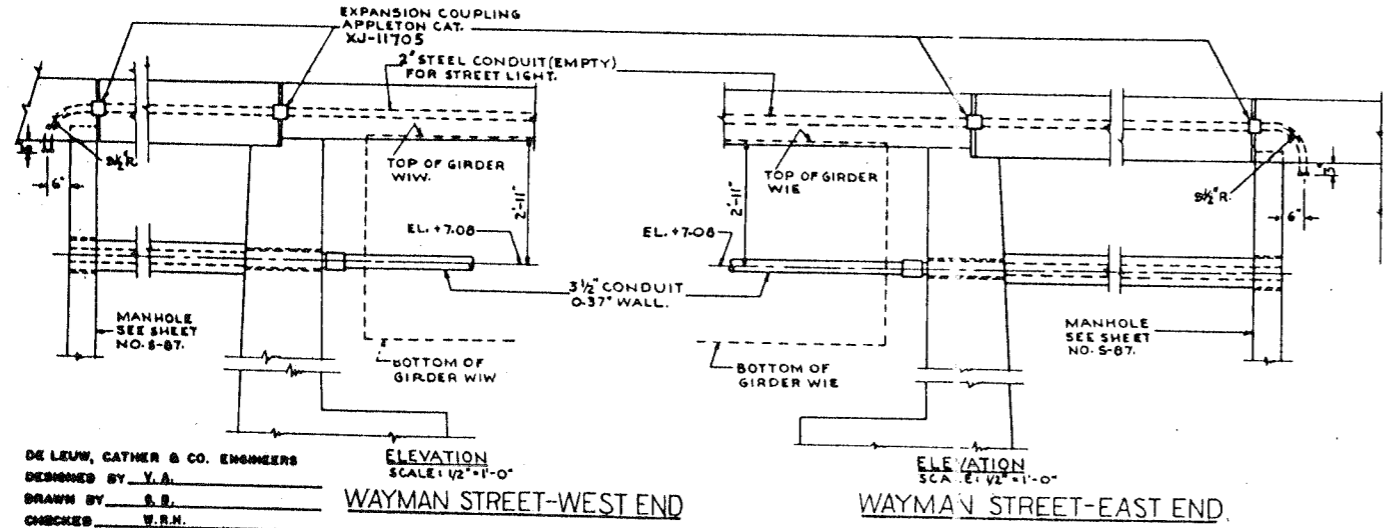


SECTION A-A SCALE: 1" = 1'-0"



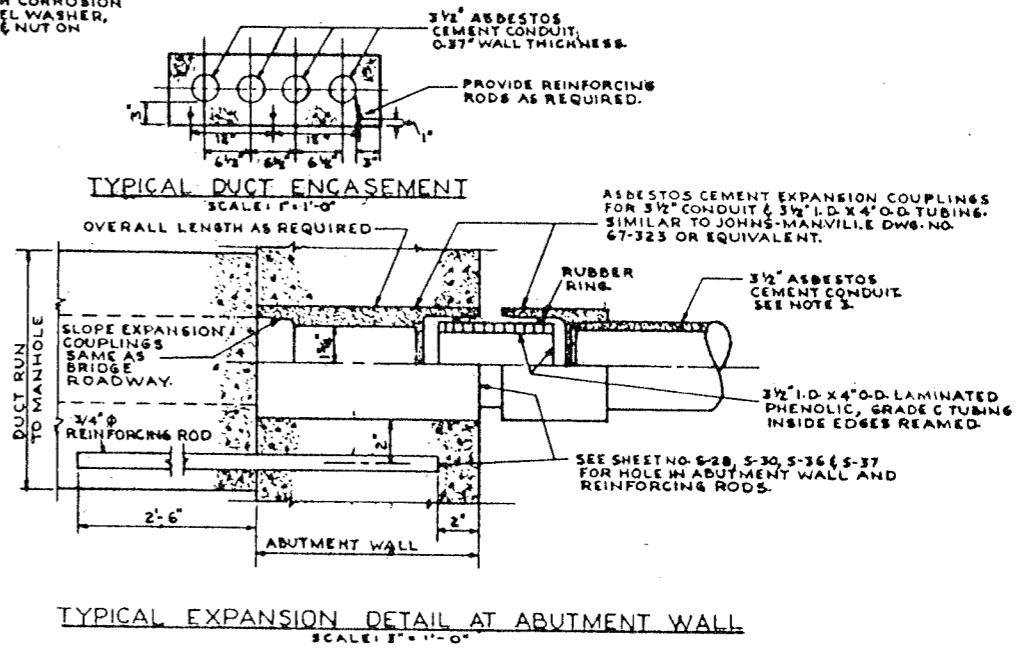
PLAN SCALE: 1/2" = 1'-0"

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



ELEVATION SCALE: 1/2" = 1'-0" WAYMAN STREET-WEST END

ELEVATION SCALE: 1/2" = 1'-0" WAYMAN STREET-EAST END



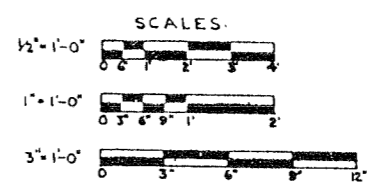
TYPICAL DUCT ENCASEMENT SCALE: 1" = 1'-0"

TYPICAL EXPANSION DETAIL AT ABUTMENT WALL SCALE: 3" = 1'-0"

NOTES

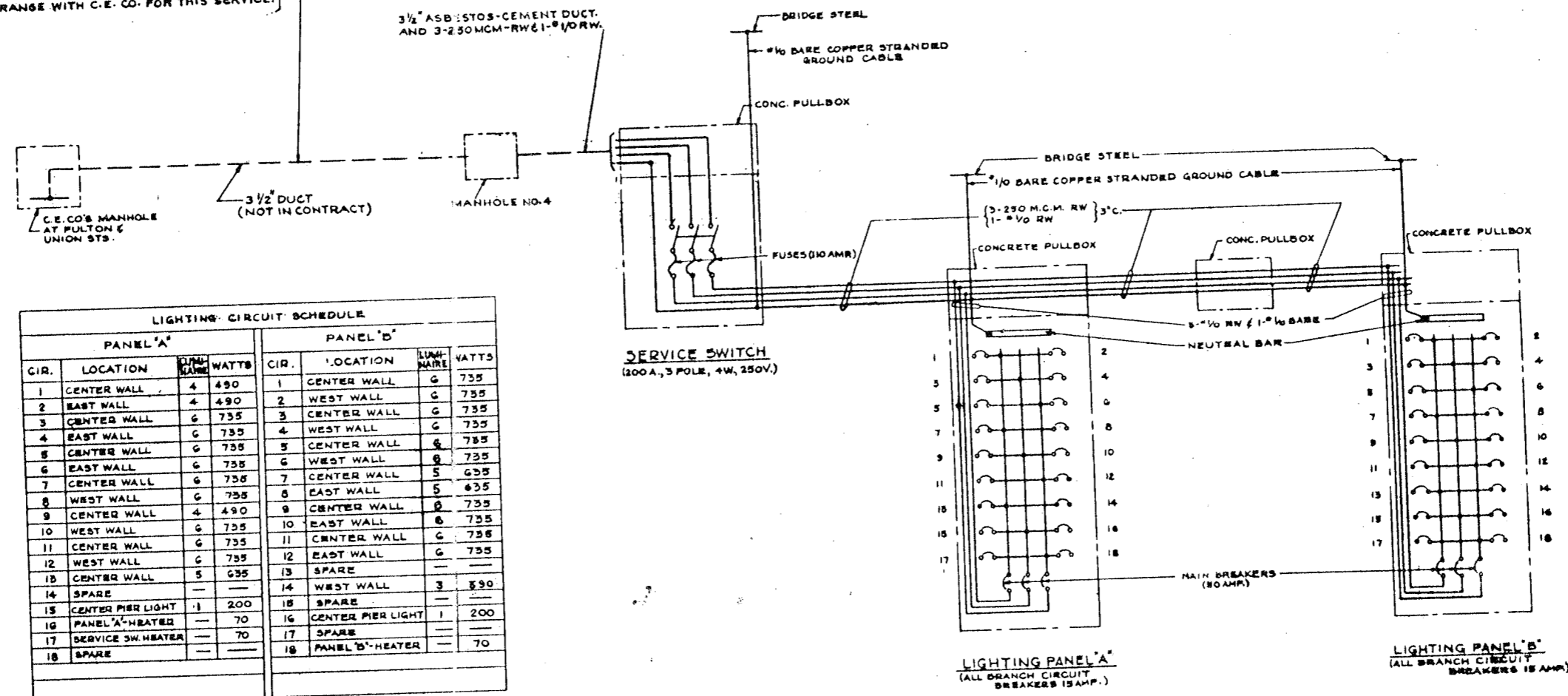
1. CONDUIT AND SPACERS TO BE JOHNS-MANVILLE "TRANSITE" OR EQUIVALENT. WIDTH OF SPACER TO BE 3"; MEASURE IN DIRECTION OF CONDUIT.
2. CUT STUD BOLT FLUSH WITH NUT. BEEN, PREVENT PUNCH OR SPOT WELD AT THREAD LINE TO PREVENT NUT FROM TURNING.
3. APPLY JOINT SEALING COMPOUND TO TAPERED END OF EXPANSION COUPLING.
4. THE CORROSION RESISTING STEEL FOR THE CONDUIT HANGER DETAILS SHALL CONFORM TO A.S.T.M. SPECIFICATION A276, COLD FINISHED, TYPE NO. 304.

DE LEW, CATHY & CO. ENGINEERS
 DESIGNED BY Y.A.
 DRAWN BY S.S.
 CHECKED V.R.H.
 IN CHARGE *V.R.H.*



CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 DUCTS & DUCT HANGERS
 DETAILS

3-250 MCM.-RW & 1-NO. 1/0-RW CABLES TO BE FURNISHED & INSTALLED UNDER THIS CONTRACT. SUFFICIENT CABLE SHALL BE LEFT IN MANHOLE AT FULTON & UNION STREETS FOR C.E. CO. TO MAKE FINAL CONNECTIONS. CONTRACTOR SHALL ARRANGE WITH C.E. CO. FOR THIS SERVICE.



LIGHTING CIRCUIT SCHEDULE					
PANEL 'A'			PANEL 'B'		
CIR.	LOCATION	AMP. WATTS	CIR.	LOCATION	AMP. WATTS
1	CENTER WALL	4 490	1	CENTER WALL	6 735
2	EAST WALL	4 490	2	WEST WALL	6 735
3	CENTER WALL	6 735	3	CENTER WALL	6 735
4	EAST WALL	6 735	4	WEST WALL	6 735
5	CENTER WALL	6 735	5	CENTER WALL	6 735
6	EAST WALL	6 735	6	WEST WALL	6 735
7	CENTER WALL	6 735	7	CENTER WALL	5 635
8	WEST WALL	6 735	8	EAST WALL	5 635
9	CENTER WALL	4 490	9	CENTER WALL	6 735
10	WEST WALL	6 735	10	EAST WALL	6 735
11	CENTER WALL	6 735	11	CENTER WALL	6 735
12	WEST WALL	6 735	12	EAST WALL	6 735
13	CENTER WALL	5 635	13	SPARE	—
14	SPARE	—	14	WEST WALL	3 390
15	CENTER PIER LIGHT	1 200	15	SPARE	—
16	PANEL 'A'-HEATER	— 70	16	CENTER PIER LIGHT	1 200
17	SERVICE SW. HEATER	— 70	17	SPARE	—
18	SPARE	—	18	PANEL 'B'-HEATER	— 70

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 SECTION 0202.4-1
 RAILROAD GRADE SEPARATION
 W. WAYMAN ST. TO W. KINZIE ST.
 WIRING DIAGRAM & DETAILS

DE LEUW, CATHAR & CO. ENGINEERS
 DESIGNED BY Y.A.
 DRAWN BY S.P.
 CHECKED W.R.H.
 IN CHARGE W.R.H.

SCALE: AS NOTED
 SHEET NO. E-9 OF 134 SHEETS
 DATE: MARCH 1957