

- 6" SPEC. STEEL VENT PIPE FOR OBSTRUCTION LIGHTS STD. ROOF & TANK LADDER
- STD. 50000 GAL. ELLIPSOIDAL TANK
- STD. 1P24 ROOF DOOR TO RIGHT OF ROOF AND TANK LADDER
- 3" W.S. PIPE INSIDE OVERFLOW EXTENDED TO A POINT 2.5' BELOW BAL. FIELD NOTE LOCATE OPPOSITE MAIN COL. LADDER TO SUIT CUSTOMER. PAINTERS TROLLEY INSIDE TANK.
- STD. INSIDE TANK LADDER
- 3-OP53 RUNGS 8" φ SPACED @ 1'-0" CTRS.
- STD. 24" WIDE BALCONY 36" HIGH HANDRAIL
- STD. POST TO BALCONY LADDER
- 4 ERECTION RODS 1" φ x 7'-8 1/2" B. TO B. (LOOSEN ERECTION RODS & LEAVE IN PLACE)
- 4 TOP COLUMN SECTIONS 22" I.D. x 10'-2" (4) x 30'-5 1/2" LONG W.P. TO END.
- 8 TOWER RODS 2 1/8" φ x 31'-7 1/2" B. TO B.
- 4 CYLINDER RODS 1/4" φ x 9'-8" B. TO B. 6" WF @ 20" (CBS6)
- 4 STRUTS 7'-5 3/8" W.P. TO W.P.
- STD. LADDER INSIDE RISER
- (SINGLE FIXTURE MARKER LIGHTS LOCATED ABOUT 50'-0" ABOVE FOUNDATIONS.)
- 4 INTER. COLUMN SECTIONS 22" I.D. x 10'-2" (4) x 33'-0" LONG
- 8 TOWER RODS 1 7/8" φ x 36'-1 1/2" B. TO B.
- 4 CYLINDER RODS 1" φ x 12'-4 1/2" B. TO B. 8" WF @ 24" (CBS2)
- 4 STRUTS 21'-3 13/16" W.P. TO W.P.
- STD. 3" φ BLOWOFF VALVE-IND 9C49 JT. OF CYL. IE 60DB
- 4 BOTTOM COLUMN SECTIONS 22" I.D. x 10'-2" (4) x 36'-8 3/8" LONG W.P. TO END.
- 8 TOWER RODS 1 5/8" φ x 39'-11 1/2" B. TO B.
- STD. POST LADDER 1 1/2" x 1 1/2" MANHOLE & INSIDE CYL. LADDER
- CYLINDER 5'-0" DIA. x 94'-6 1/2" LONG IN 3 SECTIONS, INSULATED WITH 2" OF GLASS WOOL AND WITH 1/16" GAGE METAL COVER. STD. 12" x 18" MANHOLE COVER IND. 9M40-2'-6"
- 8" φ INLET PIPE TO EXTEND APPROX. 2'-6" INSIDE CYLINDER
- FOUNDATIONS FURNISHED BY OTHERS
- 8-ANCHOR BOLTS 2" φ x 7'-6" LONG
- CUSTOMERS INSPECTION: MILL C.T.R. SHOP NO. FIELD YES
- 22" x 5" HOT WATER CIRCULATING STEAM HEATER - 41'-0" LG. THERMOMETER - 1" ANGLE THERMOMETER 30-90° DEGREES
- 6" MARSH ALTITUDE GAGE FURNISHED BY C.B. & I., INSTALLED BY OTHERS.
- 8" ROSS DOUBLE-ACTING ALTITUDE VALVE FURNISHED BY C.B. & I. & INSTALLED BY OTHERS.
- 8" BASE TEE, INLET PIPING, & 8" NON-RISING TEM GATE VALVE & BLOWOFF PIPING, FURNISHED & INSTALLED IN VALVE PIT BY C.B. & I. Co.



ERECTION DIAGRAM OF ROOF PLATES



ERECTION DIAGRAM OF BOTTOM PLATES



LOCATION OF PIPE OPENINGS IN BOTT. OF CYLINDER

- STD. POST LADDERS - ABT. 50'-0" ABOVE FOUNDATIONS.
- (STD. 1P24 ROOF DOOR - LOCATE TO RIGHT OF REVOLVING LADDER.)
- (REVOLVING ROOF & TANK LADDERS - LOCATE TO SUIT CUSTOMER.)
- MAIN POST LADDER TO BALCONY - LOCATE TO SUIT CUSTOMER.

SHOP PAINT

INSIDE: 1 COAT OF DUPONTS #27A RED LEAD PAINT
 OUTSIDE: 1 COAT OF DUPONTS #27A RED LEAD PAINT

FIELD PAINT

FIELD NOTE: TANK TO BE TESTED FOR WATER-TIGHTNESS AFTER ERECTION AND BEFORE FIELD PAINT IS APPLIED
 INSIDE: 1 PATCH COAT OF DUPONTS #27A RED LEAD PAINT
 1 FINAL COAT OF DUPONTS #27A RED LEAD PAINT
 OUTSIDE: 1 PATCH COAT OF DUPONTS #27A RED LEAD PAINT
 BALCONY, BOTTOM, TOWER & OUTSIDE OF CYL. INSULATION JACKET TO HAVE TWO COATS OF SOCONOY PAINT PRODUCTS CO'S. #211-AA READY-MIXED ALUMINUM PAINT.

ROOF & SHELL TO HAVE TWO COATS OF INTERNATIONAL ORANGE READY MIXED PAINT (FED. SPECS. TT-P51-TYPE B) & 2 COATS OF WHITE (FED. SPECS. TT-P40-TYPE I CLASS) APPLIED IN CHECKER BOARD PATTERN AS SHOWN ON B.S. "P"

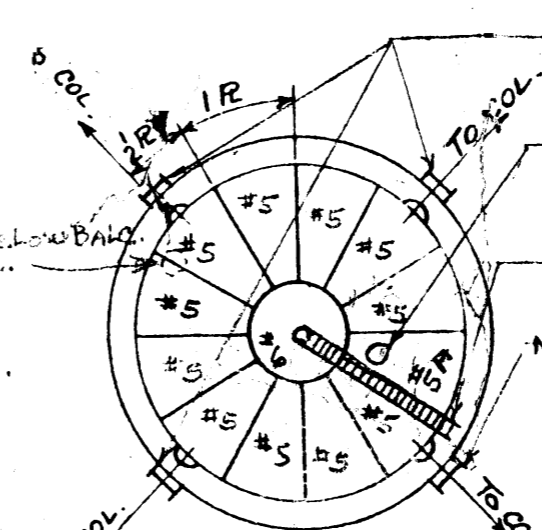
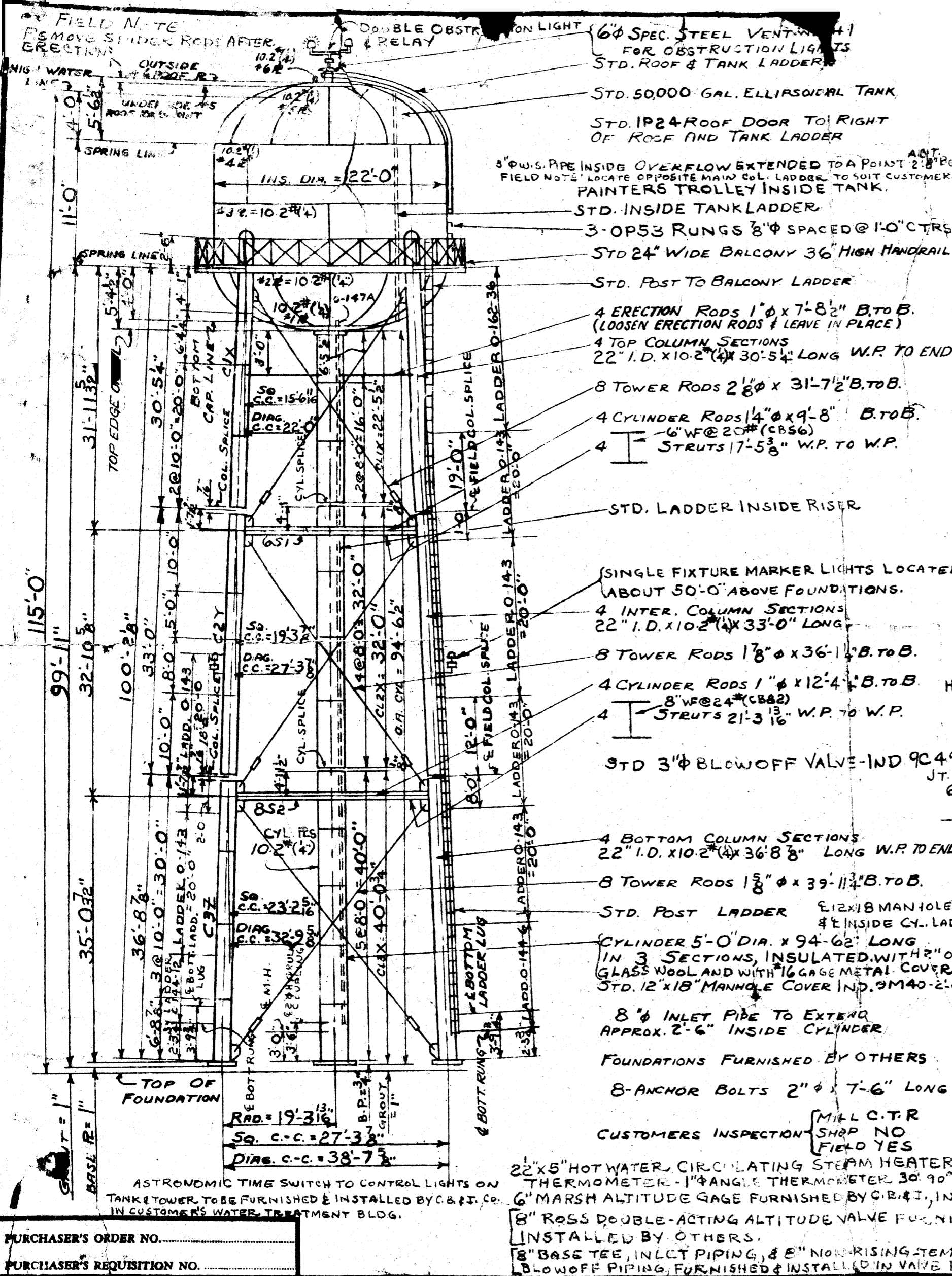
SPECIFICATIONS ENGINEERS & ARCHITECTS

TANK DESIGNED FOR 10% SEISMIC FORCE

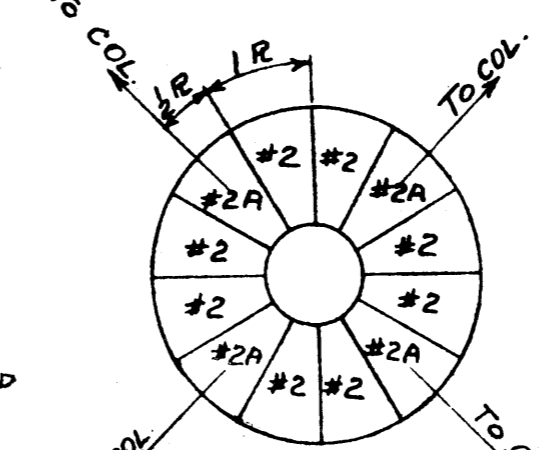
REVISIONS				CHICAGO BRIDGE & IRON CO. CHICAGO, ILL. - GREENVILLE, PA. - BIRMINGHAM, ALA.
NO.	DATE	BY	REMARKS	
1	5-5-49	me	OVERFLOW	GENERAL PLAN 50,000 GAL. ELEV. TANK 115'-0" TO TOP U.S. DEPT. OF INTERIOR THE ALASKA RAILROAD FAIRBANKS, ALASKA
DRAWN BY B.C.C. DATE 3/28/49				CONTRACT NO. 5-3757
CHECKED BY me 5/2/49				
SHEET 1 OF 7				

MADE BY R.L.C.
 SHKD. BY

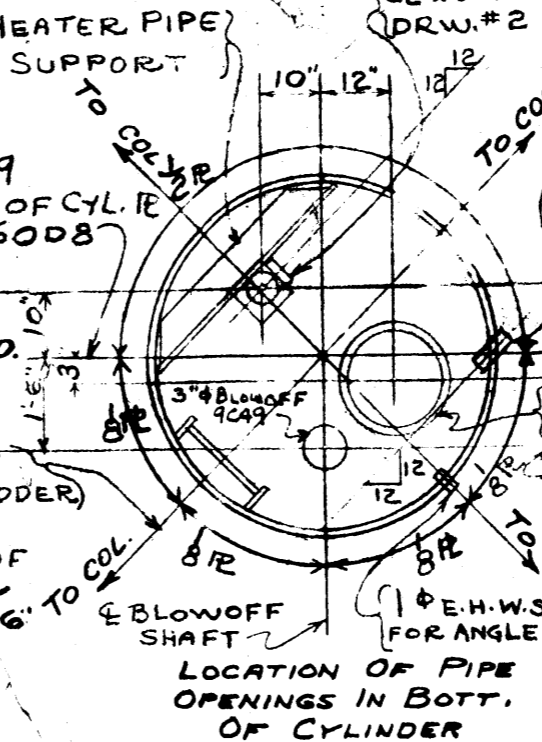
PURCHASER'S ORDER NO.
 PURCHASER'S REQUISITION NO.



ERECTION DIAGRAM OF ROOF PLATES



ERECTION DIAGRAM OF BOTTOM PLATES



STD. POST LADDERS - APT. 50'-0" ABOVE FOUNDATIONS.
 (STD. 1P24 ROOF DOOR - LOCATE TO RIGHT OF REVOLVING LADDER.)
 (REVOLVING ROOF & TANK LADDERS - LOCATE TO SUIT CUSTOMER.)
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 BALCONY, BOTTOM, TOWER & OUTSIDE OF CYL. INSULATION JACKET TO HAVE TWO COATS OF SOLON / PAINT PRODUCTS CO.'S. #21-A4 READY-MIXED ALUMINUM PAINT.

ROOF & SHELL - TO HAVE TWO COATS OF INTERNATIONAL ORANGE READY MIXED PAINT (FED. SPECS. TT-P51-TYPE B) & 2 COATS OF WHITE (FED. SPECS. TT-P40-TYPE I CLASS A) APPLIED IN CHECKER BOARD PATTERN AS SHOWN ON B.S. "P"

SPECIFICATIONS: ENGINEERS & ARCHITECTS

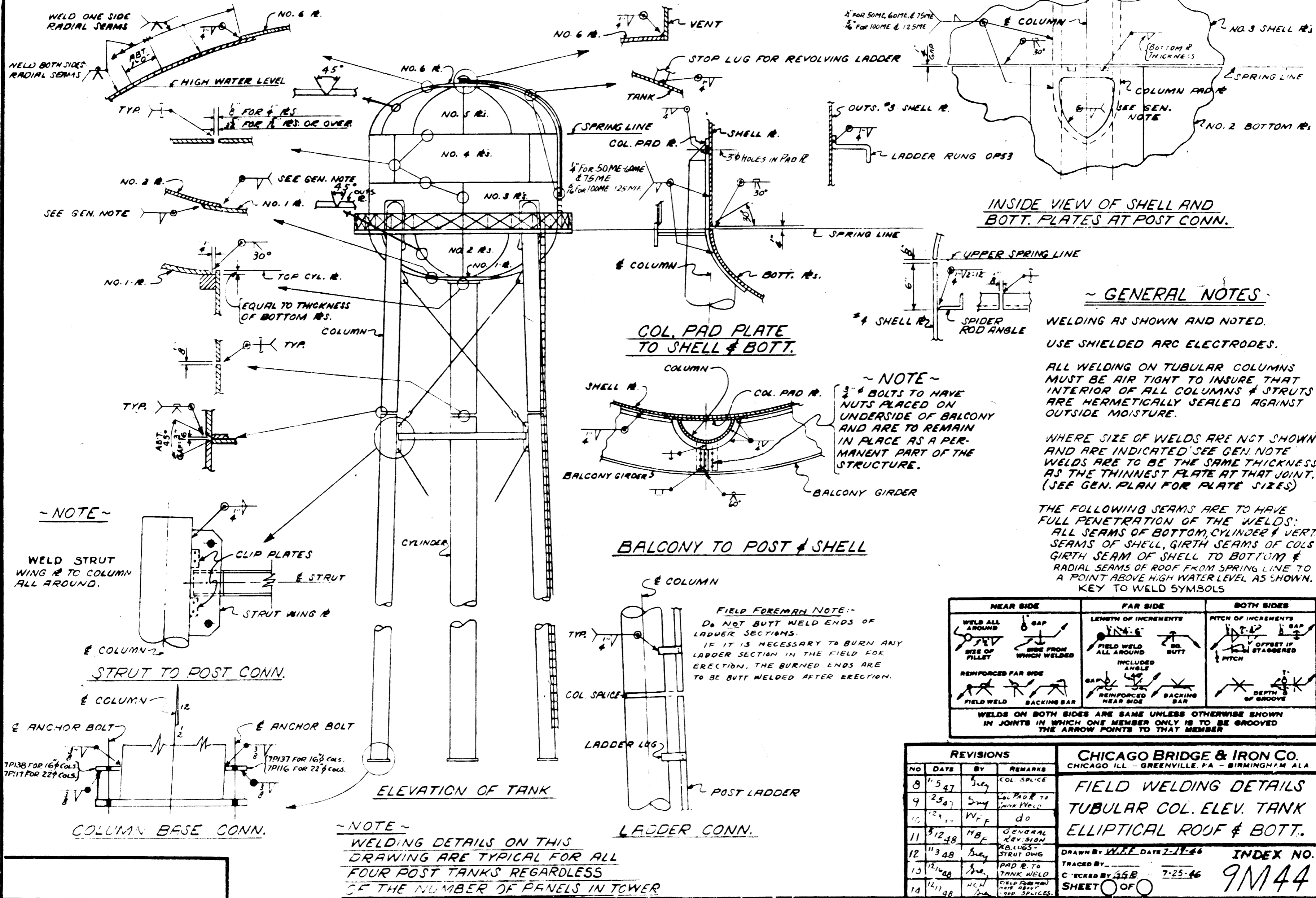
TANK DESIGNED FOR 10% SEISMIC FORCE

REVISIONS				CHICAGO BRIDGE & IRON CO. CHICAGO, ILL. - GREENVILLE, PA. - BIRMINGHAM, ALA.
NO.	DATE	BY	REMARKS	
1	5-5-49	AW	OVERFLOW	GENERAL PLAN 50,000 GAL. ELEV. TANK 115'-0" TO TOP U.S. DEPT. OF INTERIOR THE ALASKA RAILROAD FAIRBANKS, ALASKA
				DRAWN BY: B.C.C. DATE: 3/28/49 TRACED BY: [Signature] 5/2/49 SHEET 1 OF 7

PURCHASER'S ORDER NO. _____
 PURCHASER'S REQUISITION NO. _____

22" x 5" HOT WATER, CIRCULATING STEAM HEATER - 41'-0" LG.
 THERMOMETER - 1" ANGLE THERMOMETER 30' 90" DEGREES
 6" MARSH ALTITUDE GAGE FURNISHED BY C.B. & I., INSTALLED BY OTHERS.
 8" ROSS DOUBLE-ACTING ALTITUDE VALVE FURNISHED BY C.B. & I. & INSTALLED BY OTHERS.
 8" BASE TEE, INLET PIPING, & 8" NON-RISING STEM GATE VALVE & BLOWOFF PIPING, FURNISHED & INSTALLED IN VALVE PIT BY C.B. & I. CO.

MADE BY R.L.G. CHECKED BY [Signature]



NEAR SIDE	FAR SIDE	BOTH SIDES
WELD ALL AROUND SIZE OF FILLET	GAP SIDE FROM WHICH WELDED	PITCH OF INCREMENTS OFFSET IF STAGGERED PITCH
REINFORCED FAR SIDE FIELD WELD BACKING BAR	INCLUDED ANGLE REINFORCED NEAR SIDE BACKING BAR	DEPTH OF GROOVE

WELDS ON BOTH SIDES ARE SAME UNLESS OTHERWISE SHOWN IN JOINTS IN WHICH ONE MEMBER ONLY IS TO BE GROOVED THE ARROW POINTS TO THAT MEMBER

REVISIONS			
NO	DATE	BY	REMARKS
8	11-5-47	Shey	COL. SPlice
9	12-5-47	Shey	COL. PAD R. TO SHELL WELD
10	12-11-47	W.F.F.	do
11	3-12-48	H.B.F.	GENERAL REVISION
12	11-3-48	Shey	RO. LUGS - STRUT DWG
13	12-10-48	Shey	PAD R. TO TANK WELD
14	12-11-48	H.C.H.	FIELD FOREMAN NOTE ABOUT LADDER SPICES

CHICAGO BRIDGE & IRON CO.
 CHICAGO ILL - GREENVILLE PA - BIRMINGHAM ALA

FIELD WELDING DETAILS TUBULAR COL. ELEV. TANK ELLIPTICAL ROOF & BOTT.

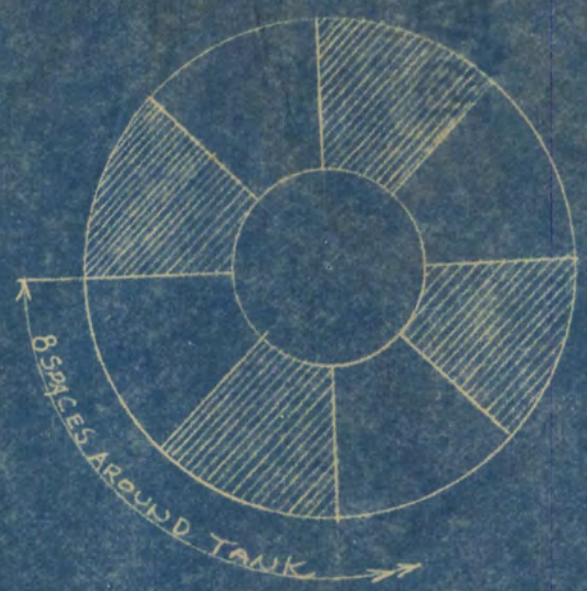
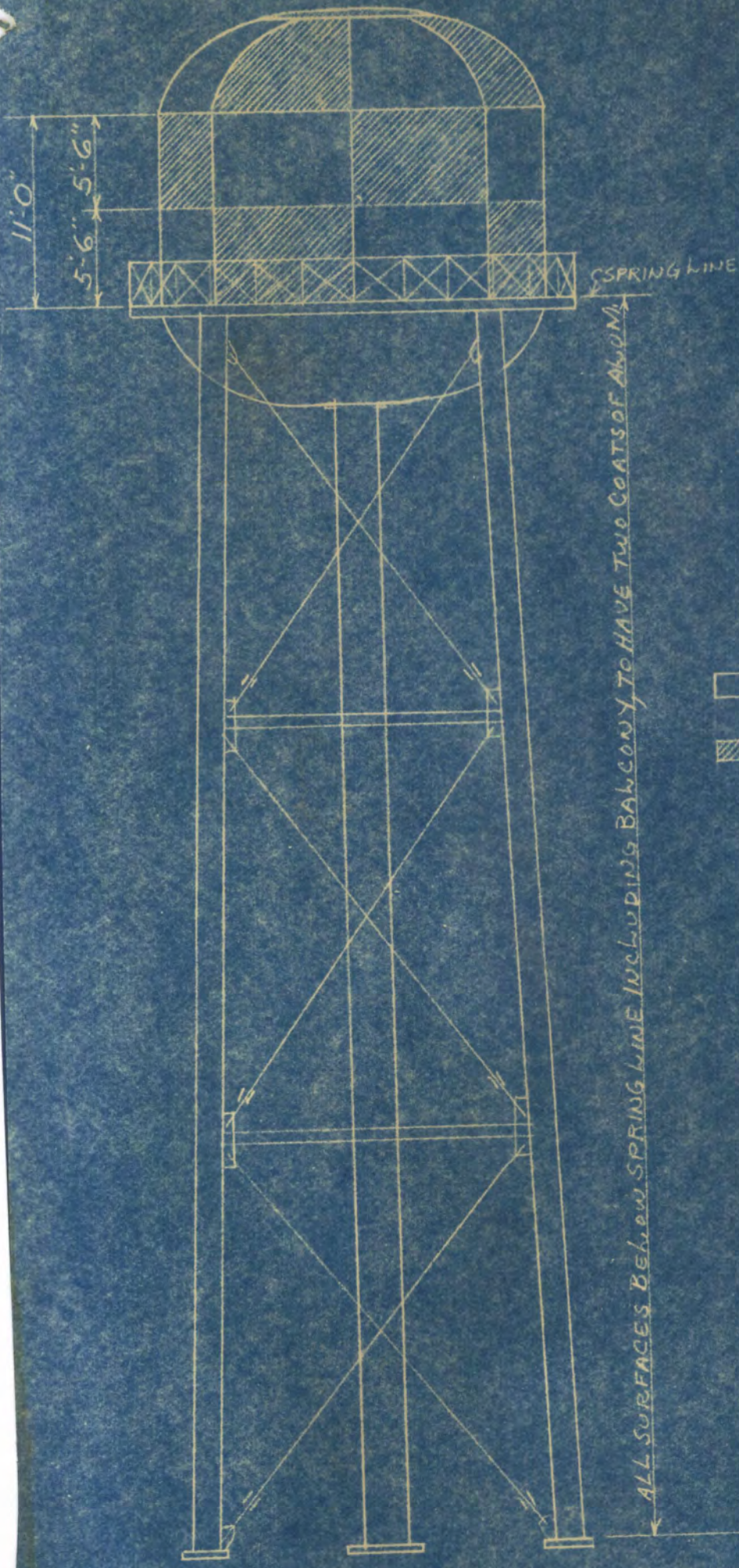
DRAWN BY *W.F.F.* DATE *7-18-46* INDEX NO. **9M44**

TRACED BY *C.S.B.* 7-25-46 SHEET **0** OF **0**

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CHICAGO BRIDGE & IRON COMPANY
BILL OF MATERIAL

SET	DEPT.	QTY	SET	DEPT.	PA
1	SO		7	INSD	
2	TS		8	PACKED	
3	PLATE		9	STOCK DM	
4	SHAPE		10	SHIPPED	
5	FITTER				
6	MACHS			TOTAL	



ROOF PATTERN

- INTERNATIONAL ORANGE PAINT
 - WHITE

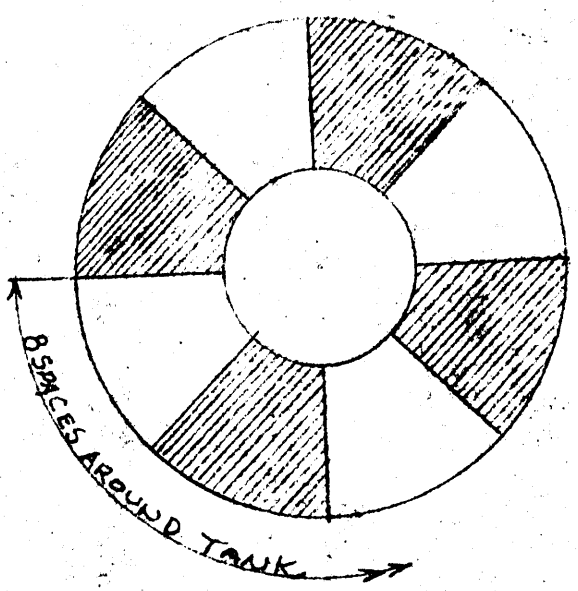
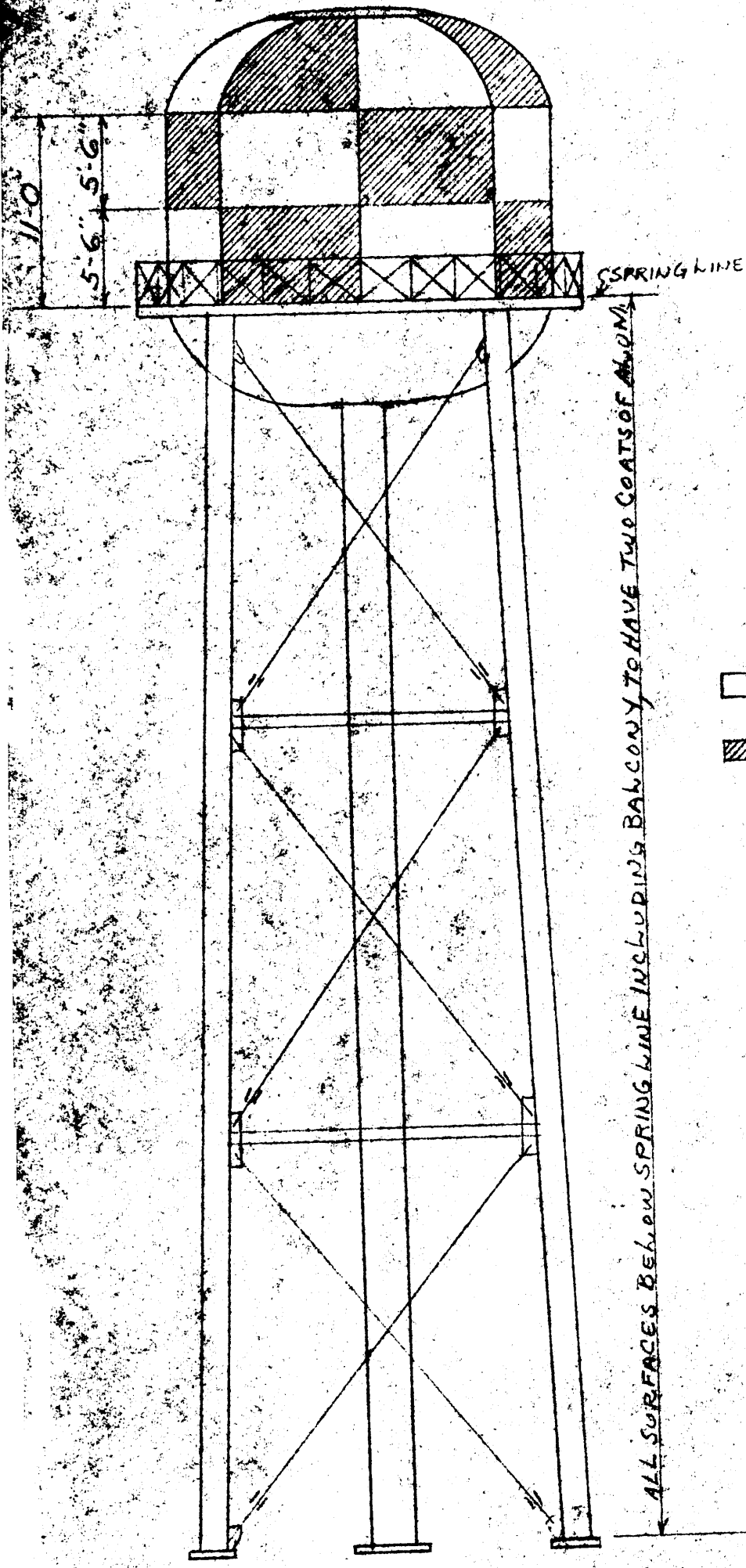
ALL SURFACES BELOW SPRING LINE INCLUDING BALCONY, TO HAVE TWO COATS OF ALUM.

PAINT DIAGRAM

5-3-57	CHICAGO	P	ALASKA, RAILROAD FAIRBANKS, ALASKA	RC 330 41	Jey 5449			
CONTRACT	FABRICATE AT	SHEET NO.	CUSTOMER	MADE	CHK'D.	BY	DATE	LINE REVISIONS

CHICAGO BRIDGE & IRON COMPANY
BILL OF MATERIAL

SET	DEPT	EST	DATE	DR
1	SO			
2	TS		5	PACKED
3	PLATE		6	STEEL PM
4	SHADE		10	SHIPPED
5	FITTER			
6	MACHS			
				TOTAL

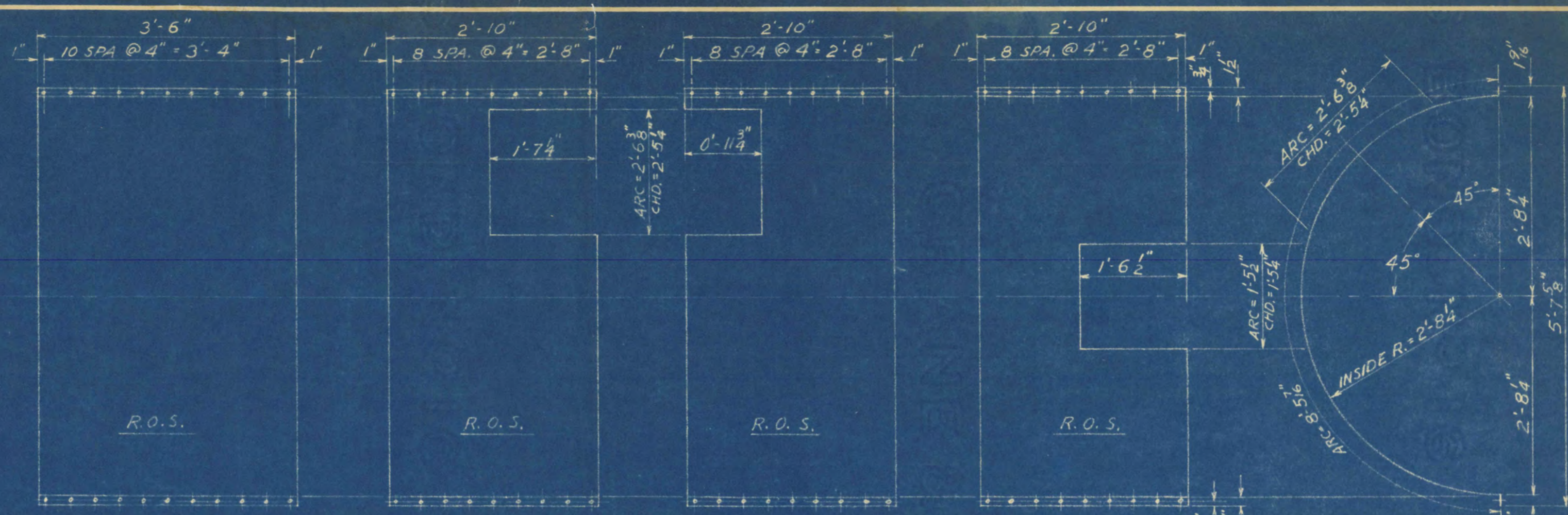


ROOF PATTERN

- INTERNATIONAL ORANGE PAINT
- WHITE

PAIN T DIAGRAM

5-2-57	CHICAGO	P	ALASKA, RAILROAD FAIRBANKS, ALASKA	RC 5/20/49	May 5/4/49			
CONTRACT	FABRICATE AT	SHEET NO.	CUSTOMER	MADE	CHK'D	BY	DATE	LINE REVISIONS
			41					



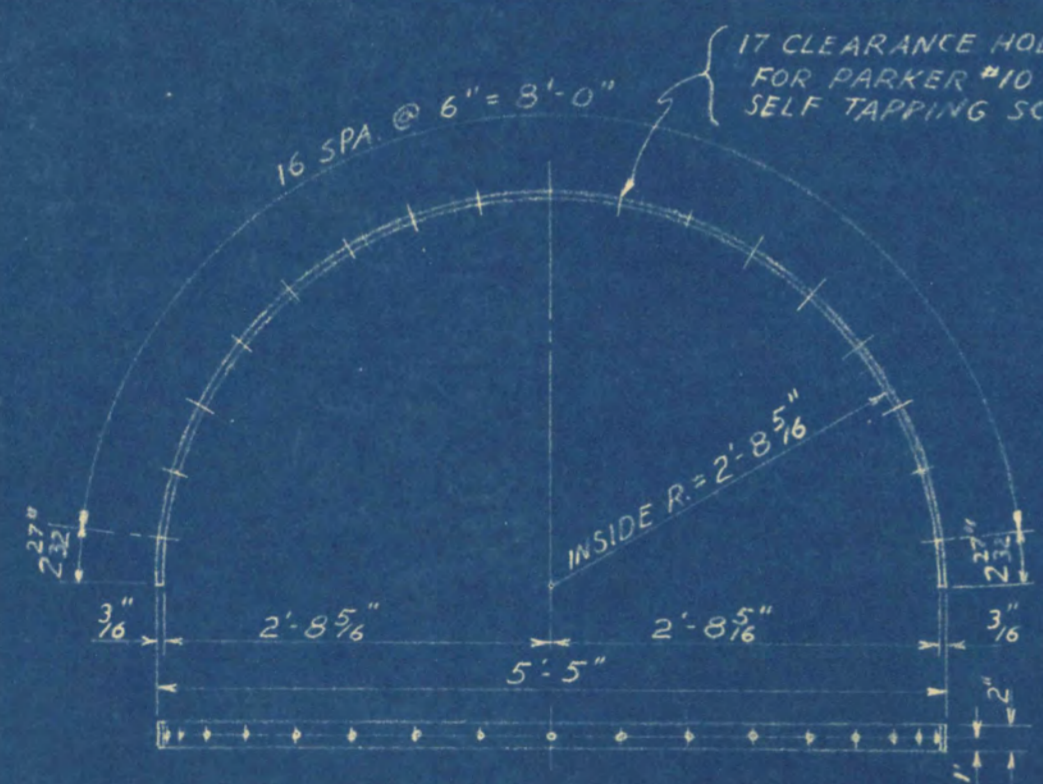
MK. SE-5 54-REQ.
SHT. 42" x 16 GA. x 8'-8 7/16"

MK. SD-5 1-REQ.
SHT. 34" x 16 GA. x 8'-8 7/16"

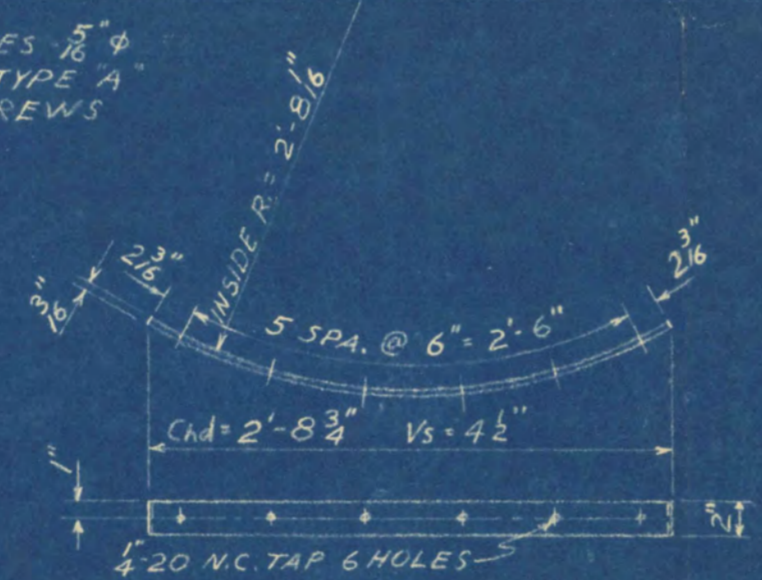
MK. SB-5 1-REQ.
SHT. 34" x 16 GA. x 8'-8 7/16"

MK. SC-5 1-REQ.
SHT. 34" x 16 GA. x 8'-8 7/16"

NOTE: HOLES IN SHEET METAL TO BE 5/16" φ FOR 1/4" φ STOVE BOLTS

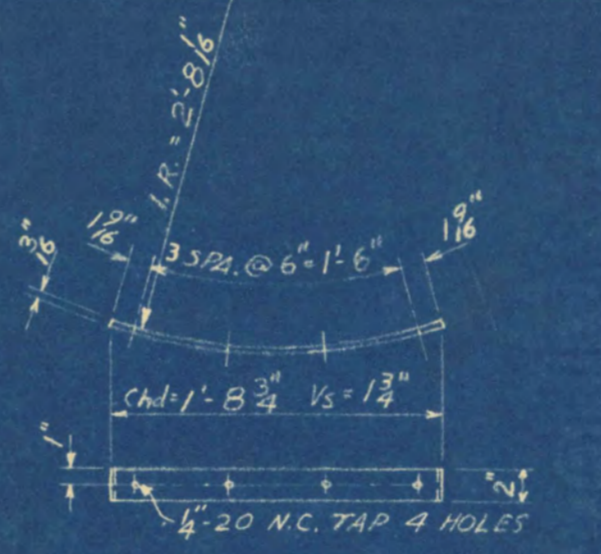


DRIP BAR
BAR 2" x 3/16" x 8'-5 11/16" MK. BA 5 2-REQ.

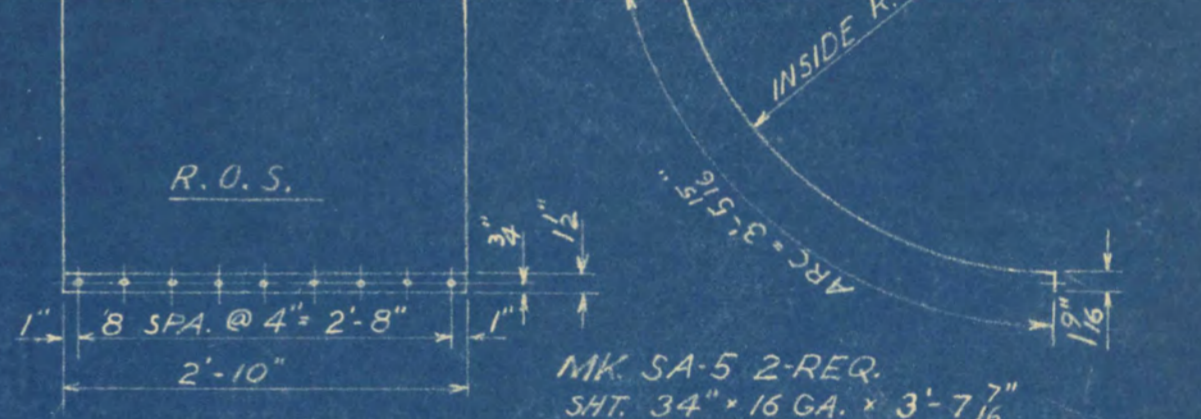


MK. bb-5 2-REQ.
BAR 2" x 3/16" x 2'-10 3/8" (ROLLED)

NOTE: SEE DRWG. #4 FOR ASSEMBLY



MK. bc-5 1-REQ.
BAR 2" x 3/16" x 1'-9 1/8" (ROLLED)

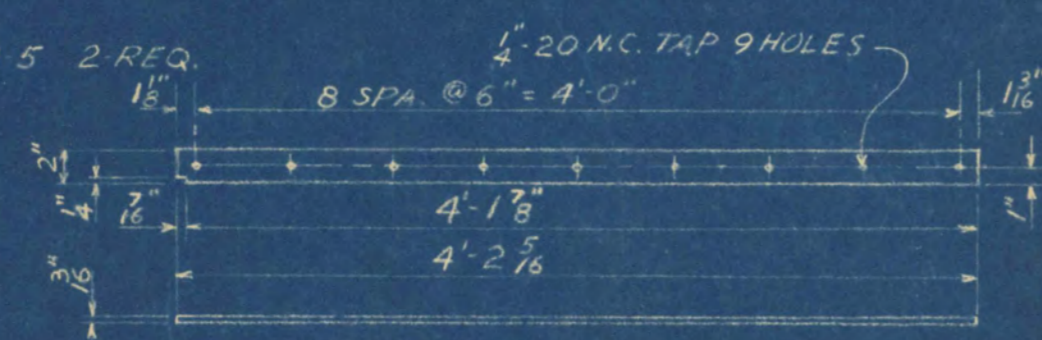


MK. SA-5 2-REQ.
SHT. 34" x 16 GA. x 3'-7 7/16"

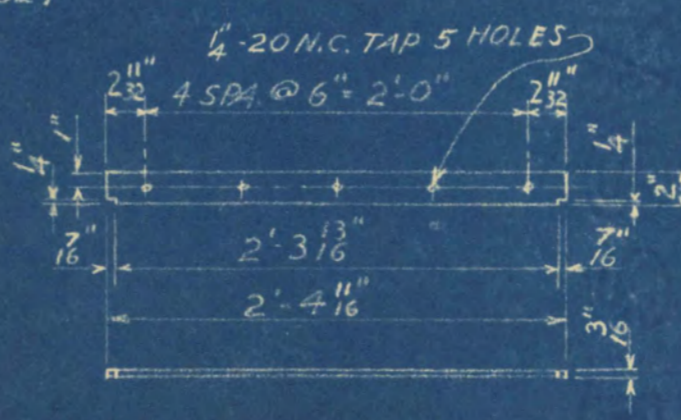
KEY TO WELD SYMBOLS

NEAR SIDE	FAR SIDE	BOTH SIDES
WELD ALL AROUND SIZE OF FILLET SIDE FROM WHICH WELDED	LENGTH OF INCREMENTS FIELD WELD ALL AROUND SO. BUTT INCLUDED ANGLE	PITCH OF INCREMENTS OFFSET IF STAGGERED PITCH DEPTH OF GROOVE
REINFORCED FAR SIDE FIELD WELD BACKING BAR	REINFORCED NEAR SIDE BACKING BAR	

WELDS ON BOTH SIDES ARE SAME UNLESS OTHERWISE SHOWN IN JOINTS IN WHICH ONE MEMBER ONLY IS TO BE GROOVED THE ARROW POINTS TO THAT MEMBER



MK. bd-5 2-REQ.
BAR 2" x 3/16" x 4'-2 1/16"



MK. be-5 2-REQ.
BAR 2" x 3/16" x 2'-4 1/16"

REVISIONS

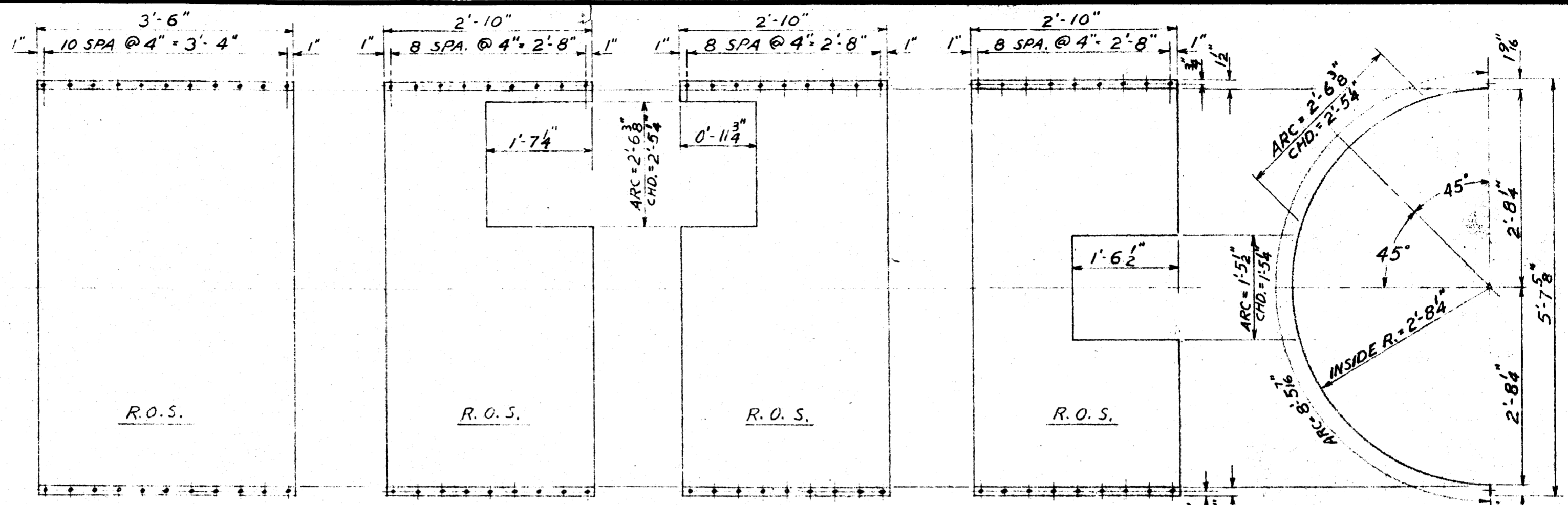
No.	DATE	BY	REMARKS

CHICAGO BRIDGE & IRON COMPANY
CHICAGO, ILL.,-GREENVILLE, PA.,-BIRMINGHAM, ALA.

DETAILS OF
INSULATION COVERING
FOR 50,000 GAL. TANK
U.S. DEPT. OF INTERIOR
THE ALASKA R.R. FAIRBANKS, ALASKA

DRAWN BY F.V.U. DATE 3-30-49 CONTRACT NO.
TRACED BY
CHECKED BY 5/5/49 5-3757
SHEET 5 OF 5

PURCHASER'S ORDER NO.
PURCHASER'S REQUISITION NO.



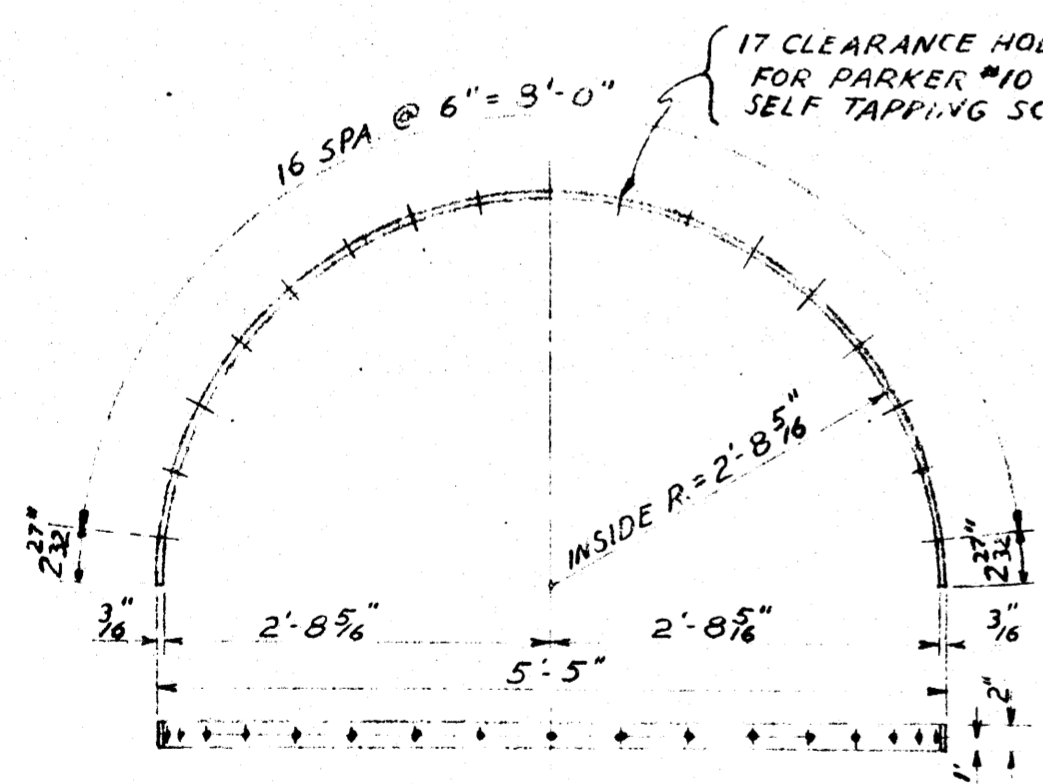
MK. SE-5 54-REQ.
SHT. 42" x 16 GA. x 8'-8 7/16"

MK. SD-5 1-REQ.
SHT. 34" x 16 GA. x 8'-8 7/16"

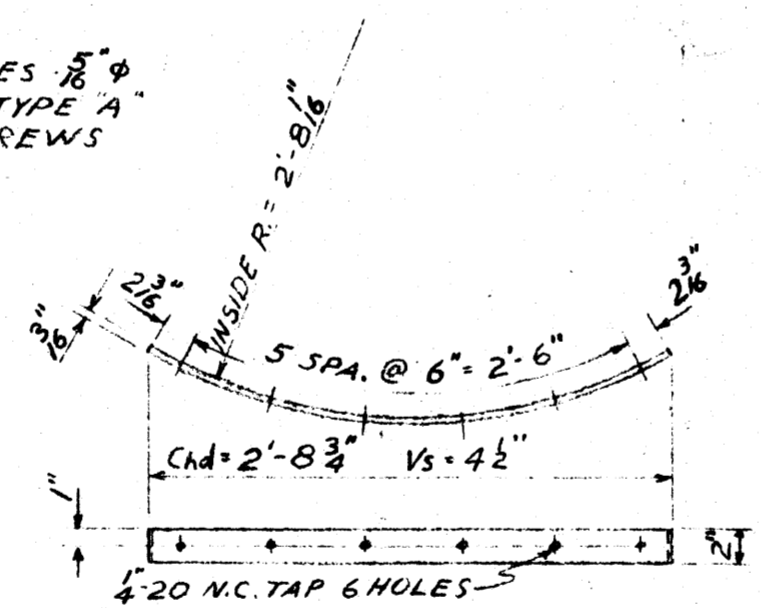
MK. SB-5 1-REQ.
SHT. 34" x 16 GA. x 8'-8 7/16"

MK. SC-5 1-REQ.
SHT. 34" x 16 GA. x 8'-8 7/16"

NOTE: HOLES IN SHEET METAL TO BE 5/16" φ FOR 1/4" φ STOVE BOLTS

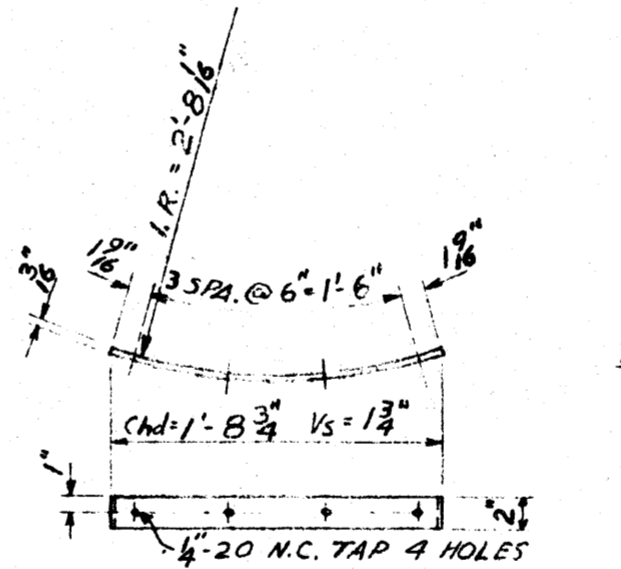


DRIP BAR
BAR 2" x 3/16" x 8'-5 1/16" MK. BA 5 2-REQ.

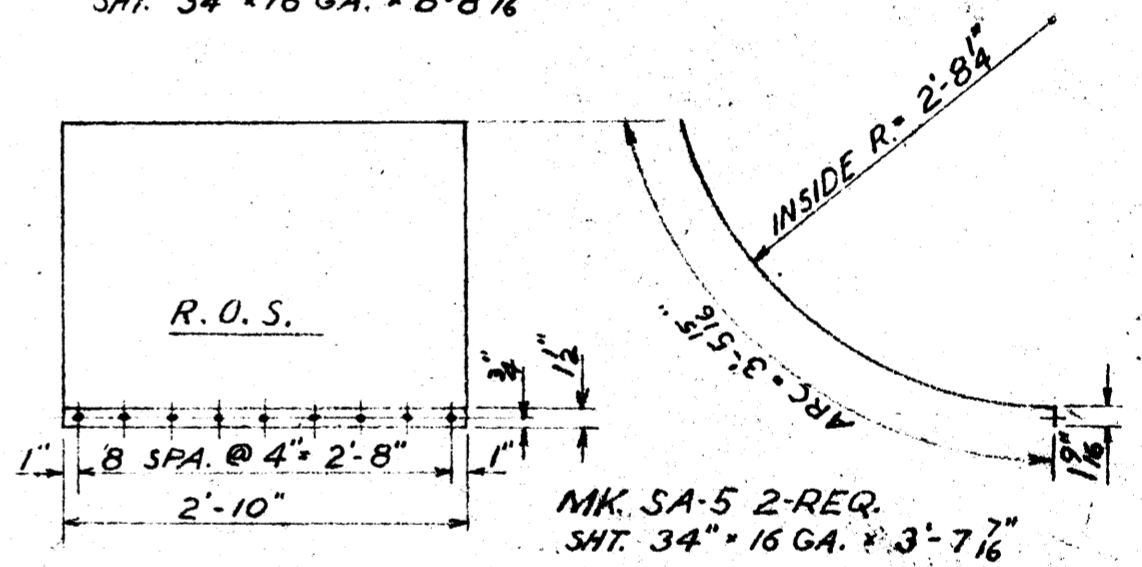


MK. bb-5 2-REQ.
BAR 2" x 3/16" x 2'-10 3/8" (ROLLED)

NOTE: SEE DRWG. #4 FOR ASSEMBLY



MK. bc-5 1-REQ.
BAR 2" x 3/16" x 1'-9 1/8" (ROLLED)

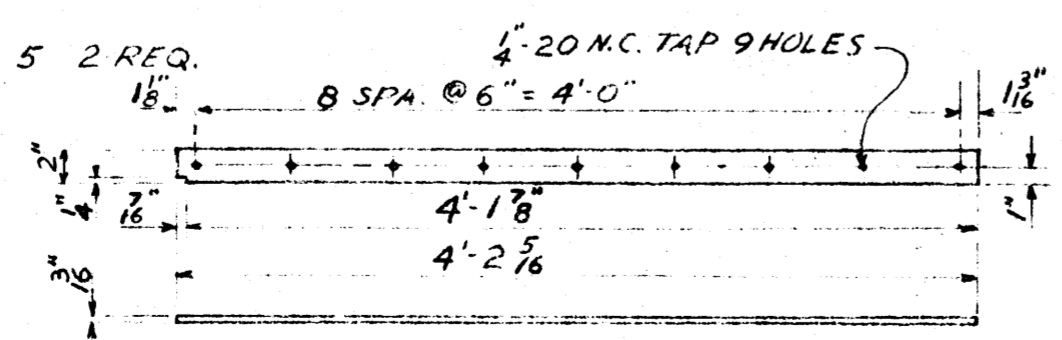


MK. SA-5 2-REQ.
SHT. 34" x 16 GA. x 3'-7 1/16"

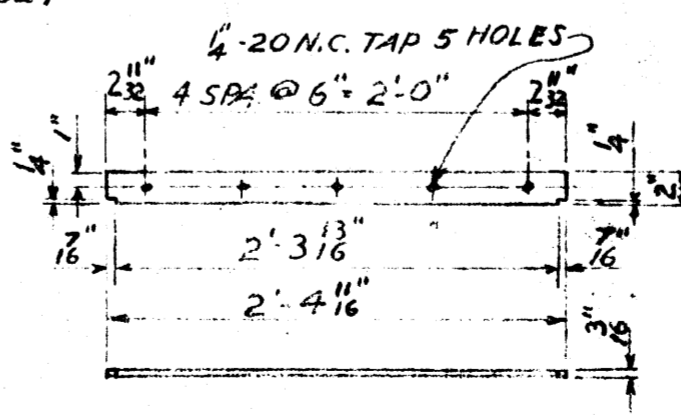
KEY TO WELD SYMBOLS

NEAR SIDE	FAR SIDE	BOTH SIDES
WELD ALL AROUND SIZE OF FILLET	LENGTH OF INCREMENTS FIELD WELD ALL AROUND INCLUDED ANGLE	PITCH OF INCREMENTS FIELD WELD ALL AROUND OFFSET IF STAGGERED PITCH
REINFORCED FAR SIDE FIELD WELD	REINFORCED NEAR SIDE BACKING BAR	DEPTH OF GROOVE

WELDS ON BOTH SIDES ARE SAME UNLESS OTHERWISE SHOWN IN JOINTS IN WHICH ONE MEMBER ONLY IS TO BE GROOVED THE ARROW POINTS TO THAT MEMBER



MK. bd-5 2-REQ.
BAR 2" x 3/16" x 4'-2 5/16"



MK. be-5 2-REQ.
B.I.R. 2" x 3/16" x 2'-4 1/16"

REVISIONS

No.	DATE	BY	REMARKS

CHICAGO BRIDGE & IRON COMPANY
CHICAGO, ILL.—GREENVILLE, PA.—BIRMINGHAM, ALA.

DETAILS OF
INSULATION COVERING
FOR 50,000 GAL. TANK
U.S. DEPT. OF INTERIOR
THE ALASKA R.R. FAIRBANKS, ALASKA

DRAWN BY E.V.V. DATE 3-30-49 CONTRACT NO.
TRACED BY [Signature] 5/5/49
CHECKED BY [Signature]
SHEET 5 OF 5-3757

PURCHASER'S ORDER NO. _____
PURCHASER'S REQUISITION NO. _____

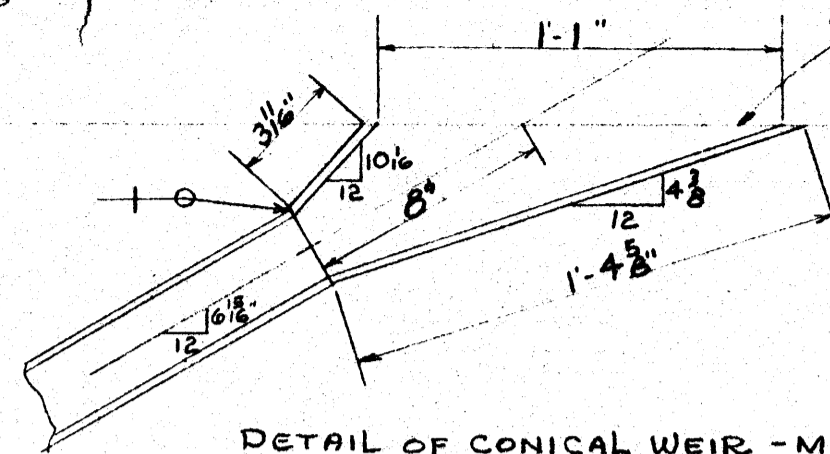
SUPPORT ANGLE 5x3x3/8"x1'-0"
4-REQ'D - MK. MA-7
(SEE DETAIL)

OVERFLOW WEIR 1/2" SK. x 3/8"
1-REQ'D. MK. pa-7

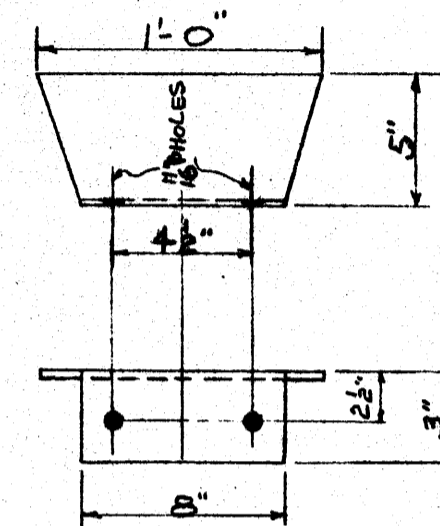
TOP OF WEIR
TO BE LEVEL

HIGH WATER LEVEL

9H65-TT U-BOLTS
(4 REQ'D. (8-HEX. NUTS))



DETAIL OF CONICAL WEIR - MK. pa-7



DETAIL OF PIPE SUPPORT ANGLES
4 REQ'D - MK. MA-7

SPRING LINE

11'-0"

SPRING LINE

(FIELD LOCATE OVERFLOW OPPOSITE MAIN COLUMN LADDER
TO SUIT CUSTOMER. BURN HOLE IN BOTTOM USING TEMPLAT MK. TA-7
(SHOP MAKE TEMPLAT (MARK TA-7) FOR OVERFLOW CUTOUT
IN BOTTOM. ALLOW FOR 1/16" CLEARANCE ALL AROUND PIPE.)

PC. E.H. 3"φ W.S. PIPE x 1'-3" LG. ^{BBE}

R. 7 1/2" OD x 3 5/8" ID x 3/8" THK. MK. pb-7
4 7/8" HOLES ON 6" B.C.

STD. 3"φ LONG TAN 90°
WELDING ELBOWS
1-REQ'D.

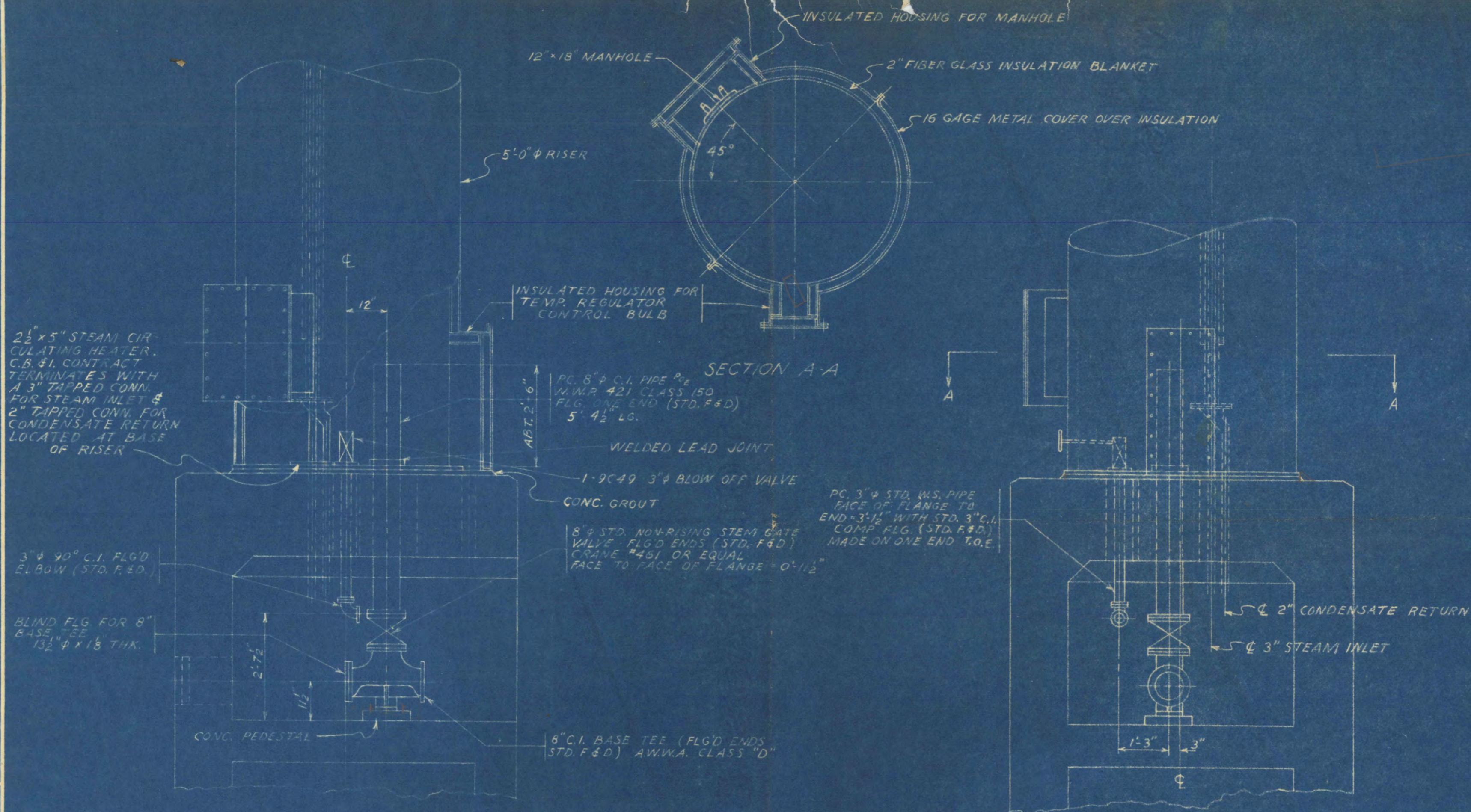
KEY TO WELD SYMBOLS

NEAR SIDE	FAR SIDE	BOTH SIDES
WELD ALL AROUND SIZE OF FILLET	1" GAP SIDE FROM WHICH WELDED	LENGTH OF INCREMENTS FIELD WELD ALL AROUND INCLUDED ANGLE
REINFORCED FAR SIDE FIELD WELD	90° BUTT	PITCH OF INCREMENTS FIELD WELD ALL AROUND PITCH
BACKING BAR	REINFORCED NEAR SIDE BACKING BAR	DEPTH OF GROOVE

WELDS ON BOTH SIDES ARE SAME UNLESS OTHERWISE SHOWN
IN JOINTS IN WHICH ONE MEMBER ONLY IS TO BE GROOVED
THE ARROW POINTS TO THAT MEMBER

REVISIONS				CHICAGO BRIDGE & IRON COMPANY CHICAGO, ILL.-GREENVILLE, PA.-BIRMINGHAM, ALA.
No.	DATE	BY	REMARKS	
				3"φ INSIDE OVERFLOW 50,000 GAL. ELEV. TANK - 15'-0" TO TOP U.S. DEPT. OF INTERIOR THE ALASKA RAILROAD FAIRBANKS, ALASKA
				DRAWN BY: R.C.C. DATE: 4-15-49 CONTRACT NO.
				TRACED BY: <i>fre</i>
				CHECKED BY: <i>fre</i> DATE: 5-4-49
				SHEET 7 OF 8 5-3757

PURCHASER'S ORDER NO.
PURCHASER'S REQUISITION NO.



PURCHASER'S ORDER NO.

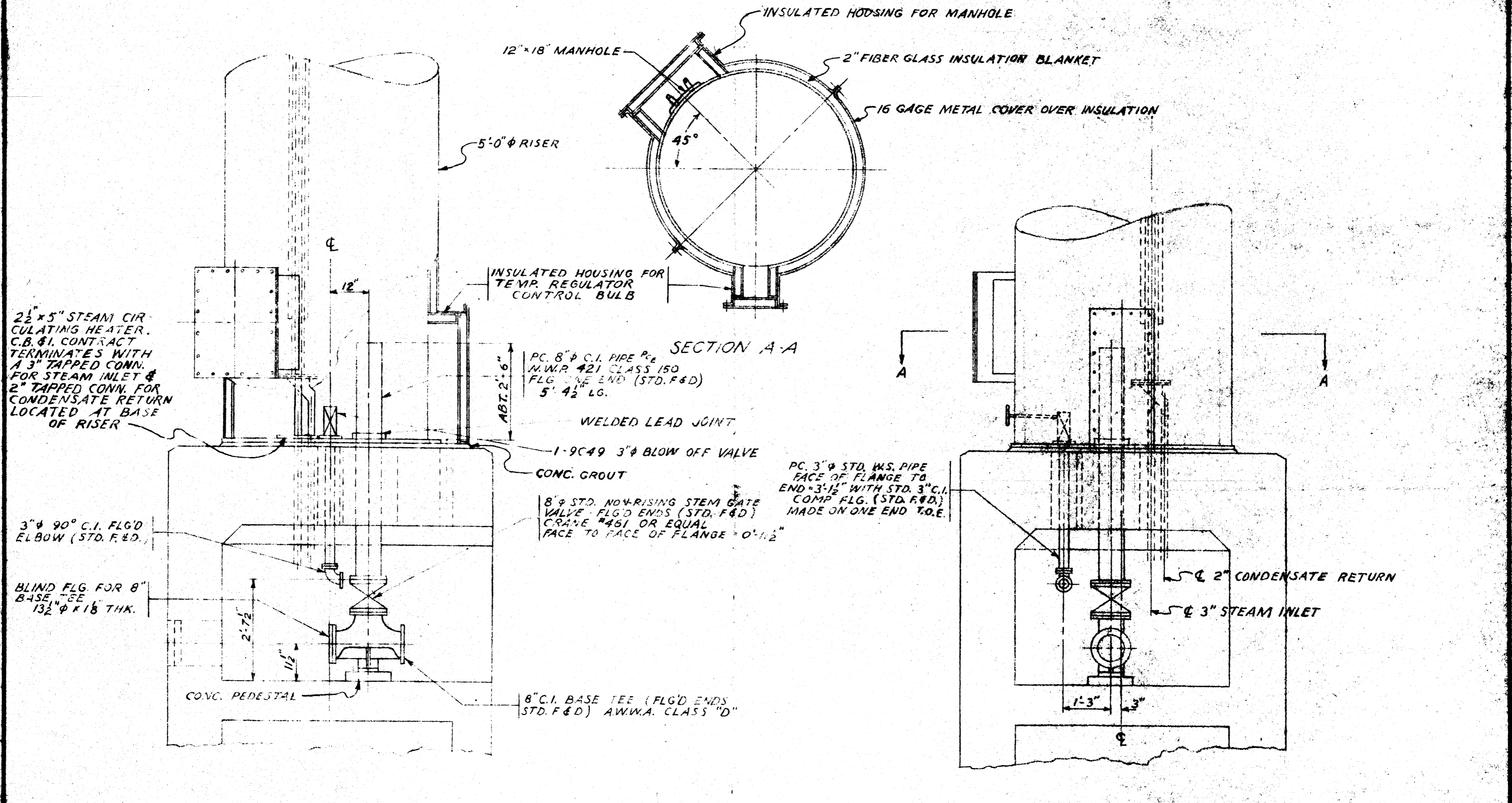
PURCHASER'S REQUISITION NO.

REVISIONS			
No.	DATE	BY	REMARKS

CHICAGO BRIDGE & IRON COMPANY
 CHICAGO, ILL.,—GREENVILLE, PA.,—BIRMINGHAM, ALA.

PIPING DIAGRAM
 FOR 50,000 GAL. HORTON TANK WITH
 5'-0" DIA. STEEL RISER (INSULATED)
 HEIGHT TO TOP = 115'-0"
 FOR: U.S. DEPT. OF INTERIOR
 THE ALASKA R.R. FAIRBANKS, ALASKA

DRAWN BY *F.L.D.* DATE 2-28-49 CONTRACT NO.
 TRACED BY..... "
 CHECKED BY *T.T.* " 3/17/49
 SHEET (A) OF 5-3757



PURCHASER'S ORDER NO.

PURCHASER'S REQUISITION NO.

REVISIONS			
NO.	DATE	BY	REMARKS

CHICAGO BRIDGE & IRON COMPANY
 CHICAGO, ILL. - GREENVILLE, PA. - BIRMINGHAM, ALA.

PIPING DIAGRAM
 FOR 50,000 GAL. HORTON TANK WITH
 5'-0" DIA. STEEL RISER (INSULATED)
 HEIGHT TO TOP = 115'-0"
 FOR: U.S. DEPT. OF INTERIOR
 THE ALASKA R.R. FAIRBANKS, ALASKA

DRAWN BY F.L.J. DATE 2-28-49 CONTRACT NO.
 TRACED BY
 CHECKED BY T.T. 3/1/49
 SHEET 14 OF 0 5-3757