

WTC
DRAWING BOOK 6
AB 1-120 — AB 1-315

Cover
Stock
8 1/2 x 11

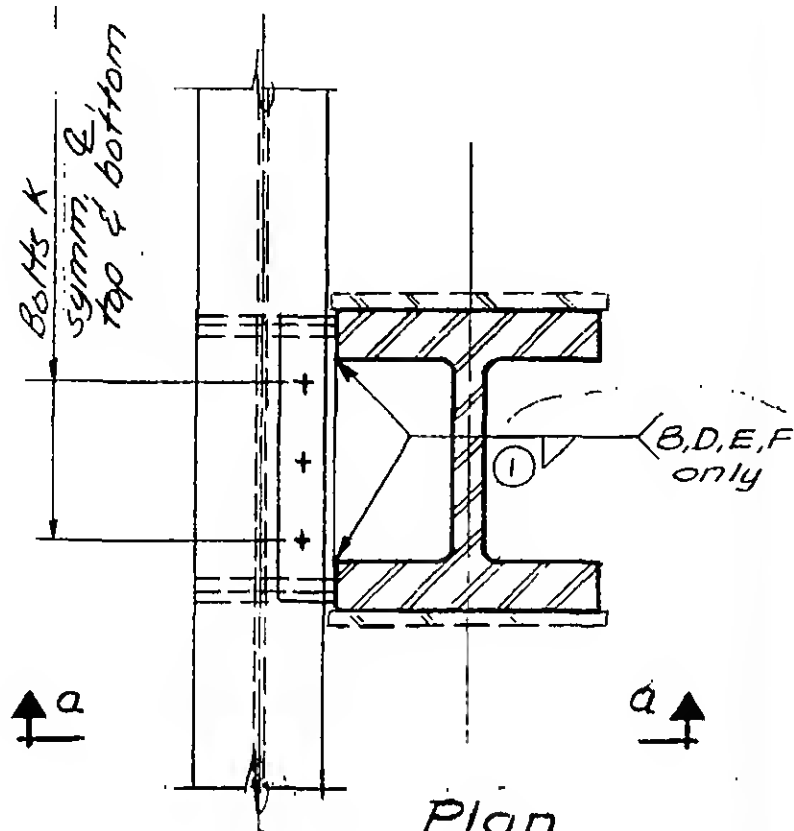
REVISIONS

9-15-67

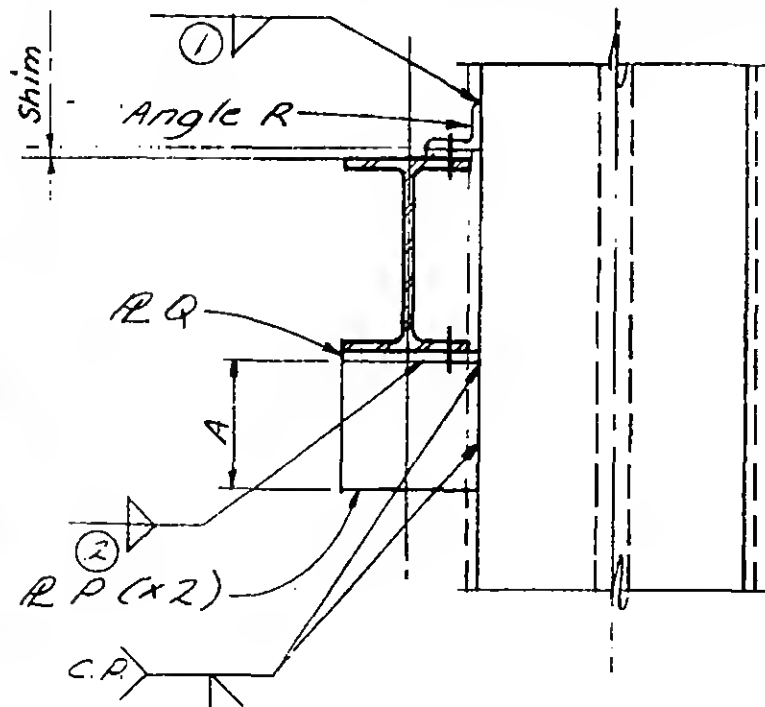
10-2-67

10-5-67

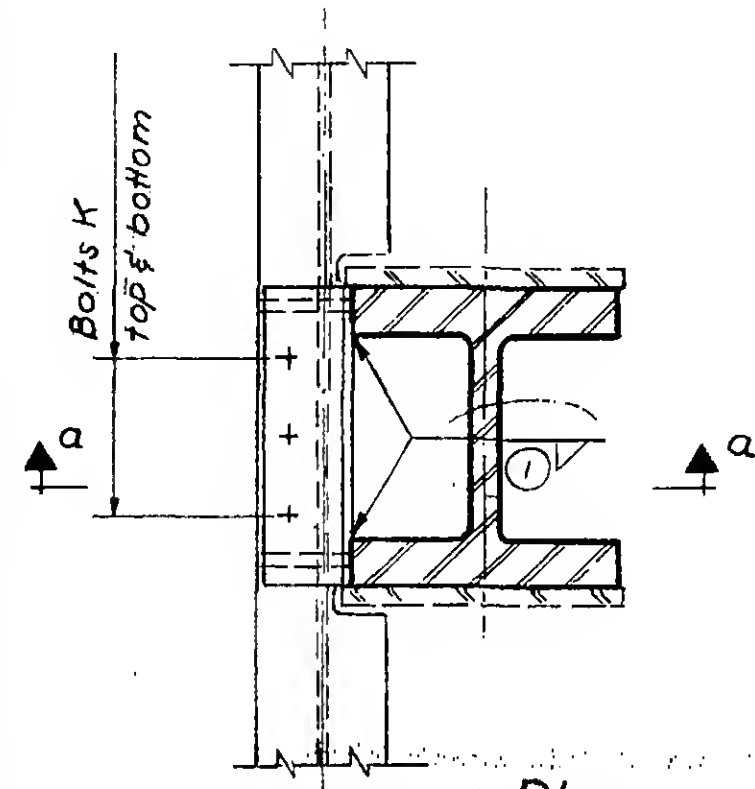
WTCT-21-LERA



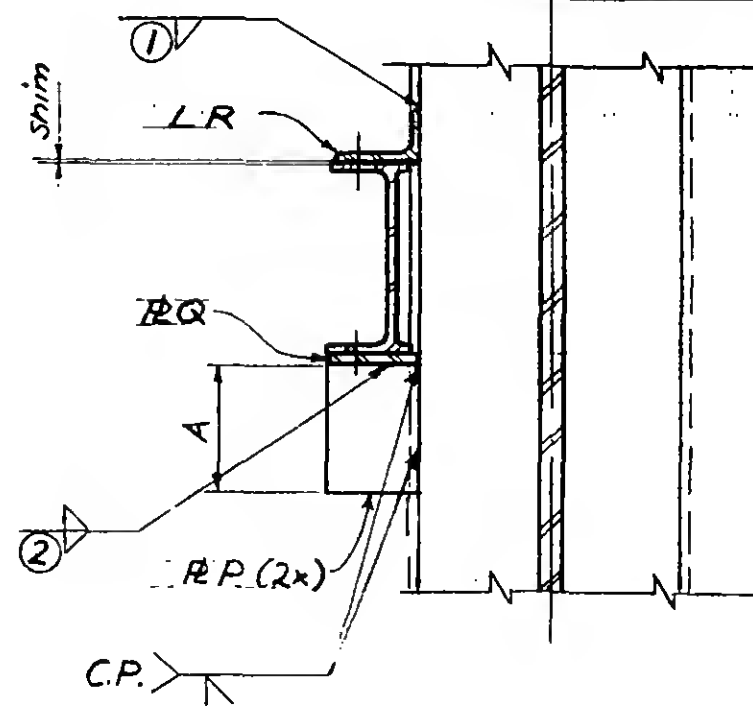
Plan
Details 313 A, B, D, E, F



Section a-a

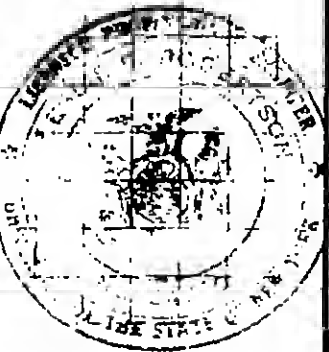


Plan
Detail 313 C



Section a-a

6-AB1-120



Structural & Civil Engineers

DATE 9-15-67

REVISIONS

10-2-67

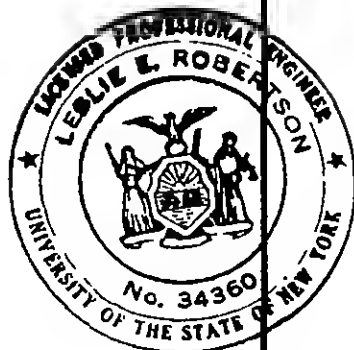
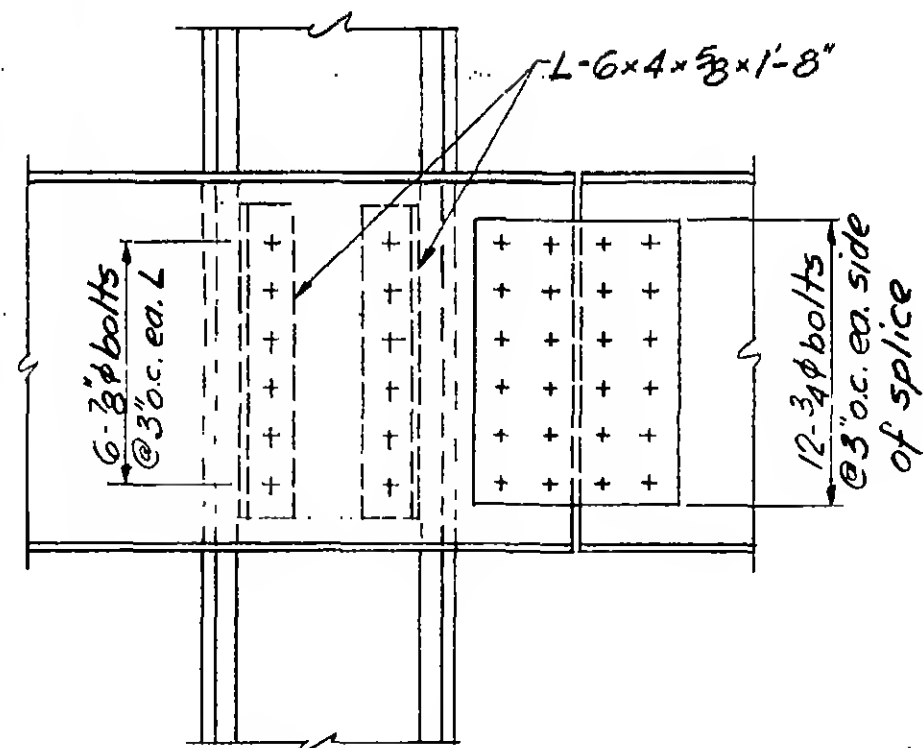
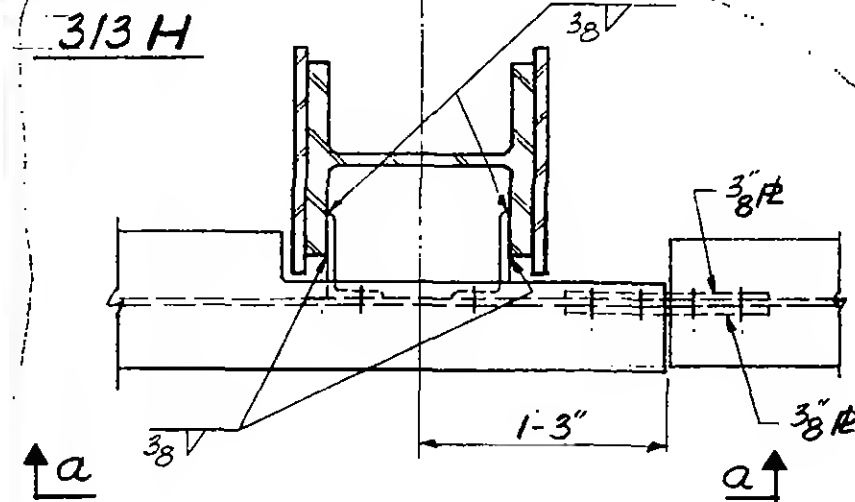
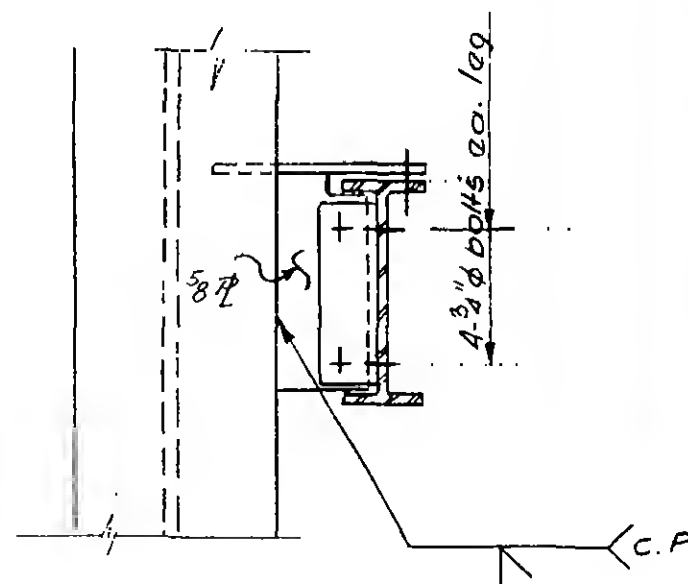
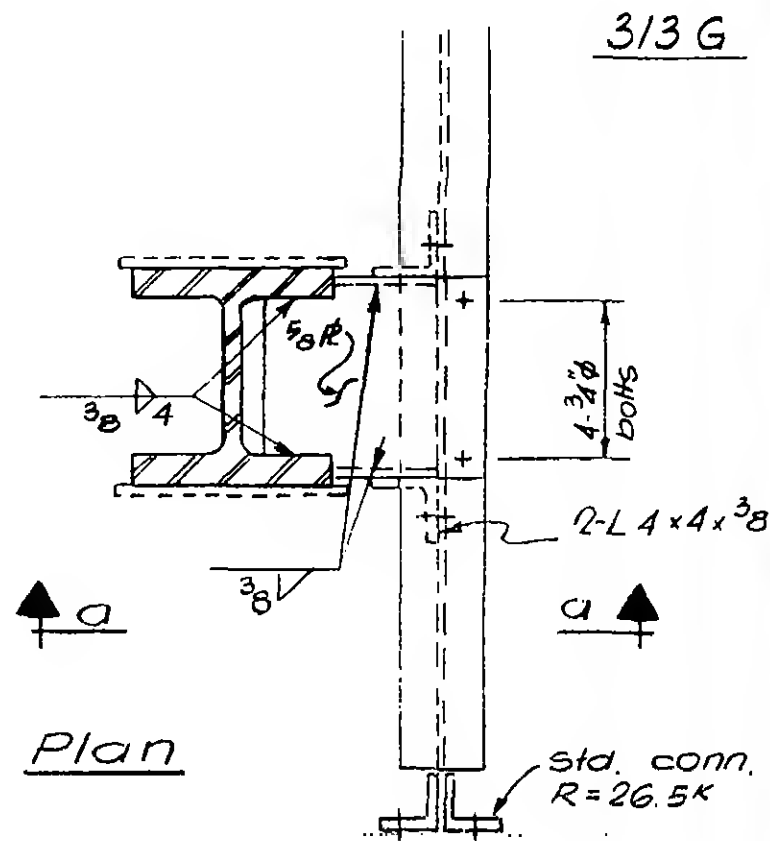
10-5-67

[illegible]

6-AB1-120.5

REVISIONS

11-23-67

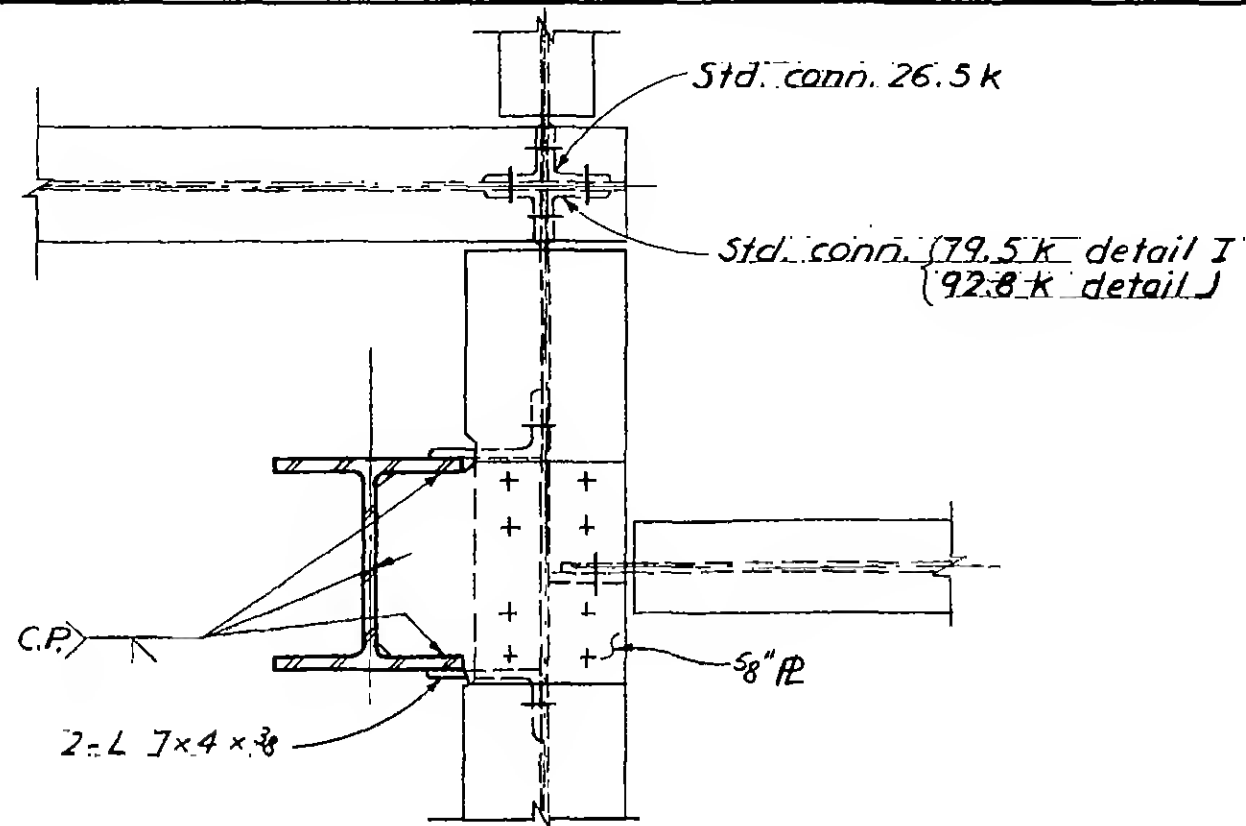


PROJECT THE WORLD TRADE CENTER

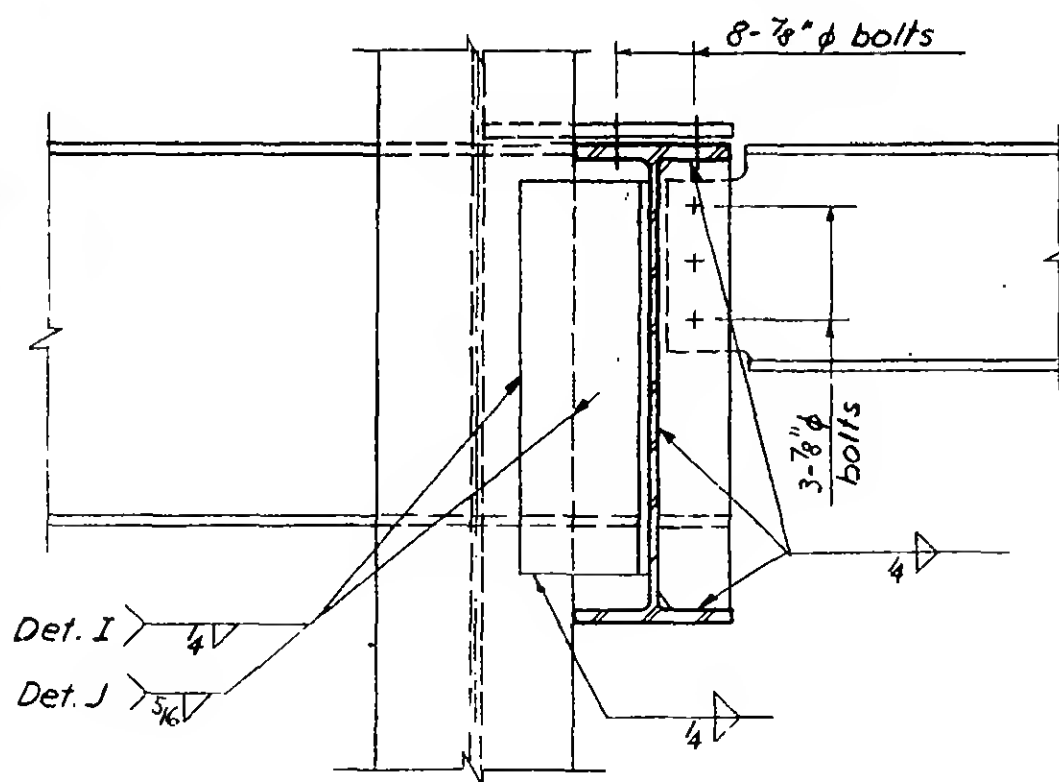
TITLE CONNECTION DETAIL 313 I, J

DATE 12-21-67

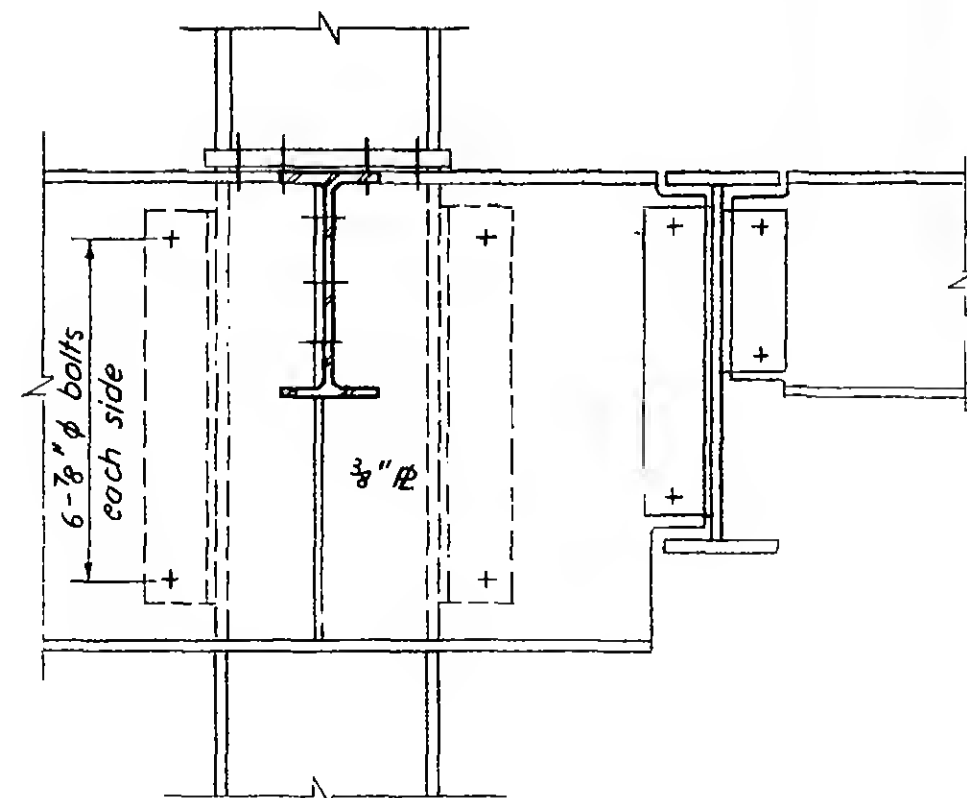
REVISIONS



Plan

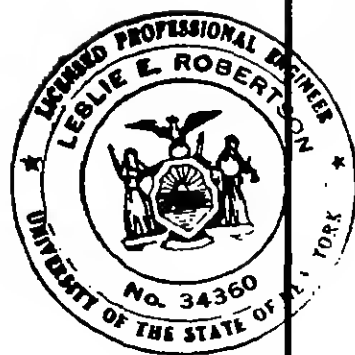


Section a-a



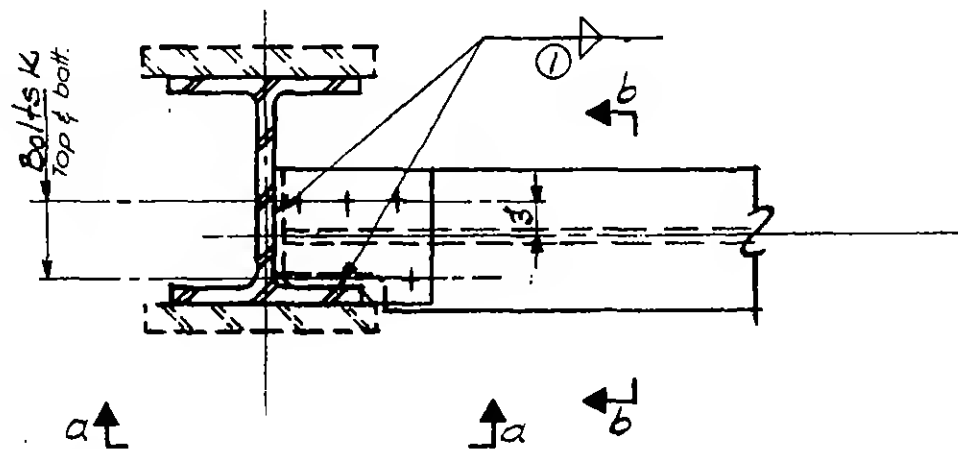
Section b-b

6-ABI-120.3

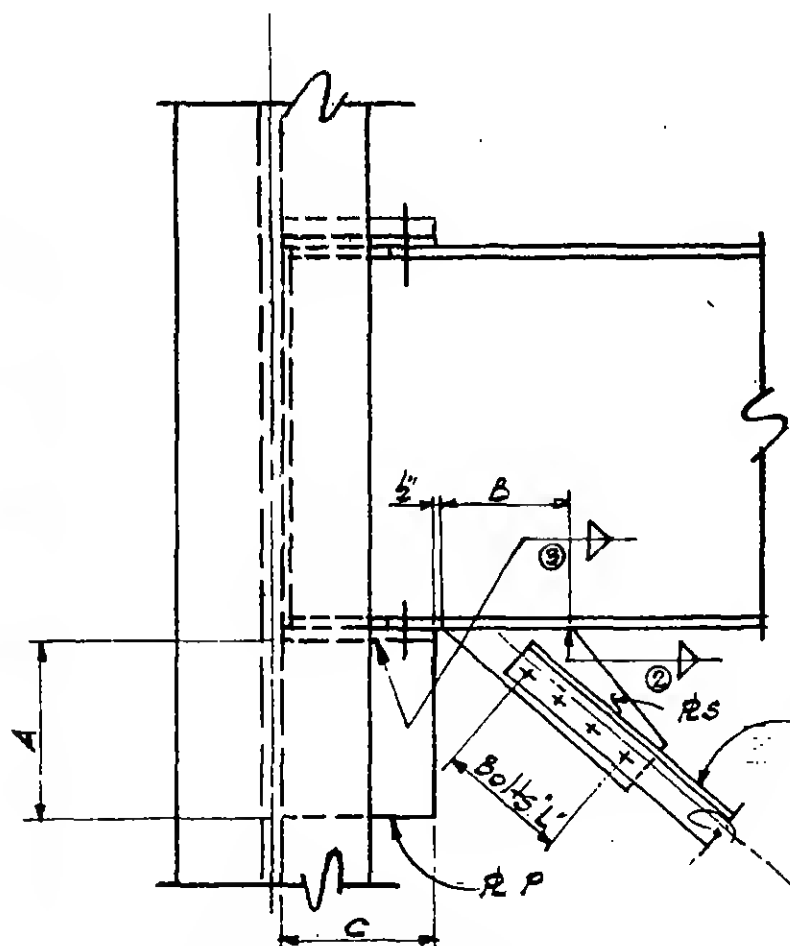


REVISIONS

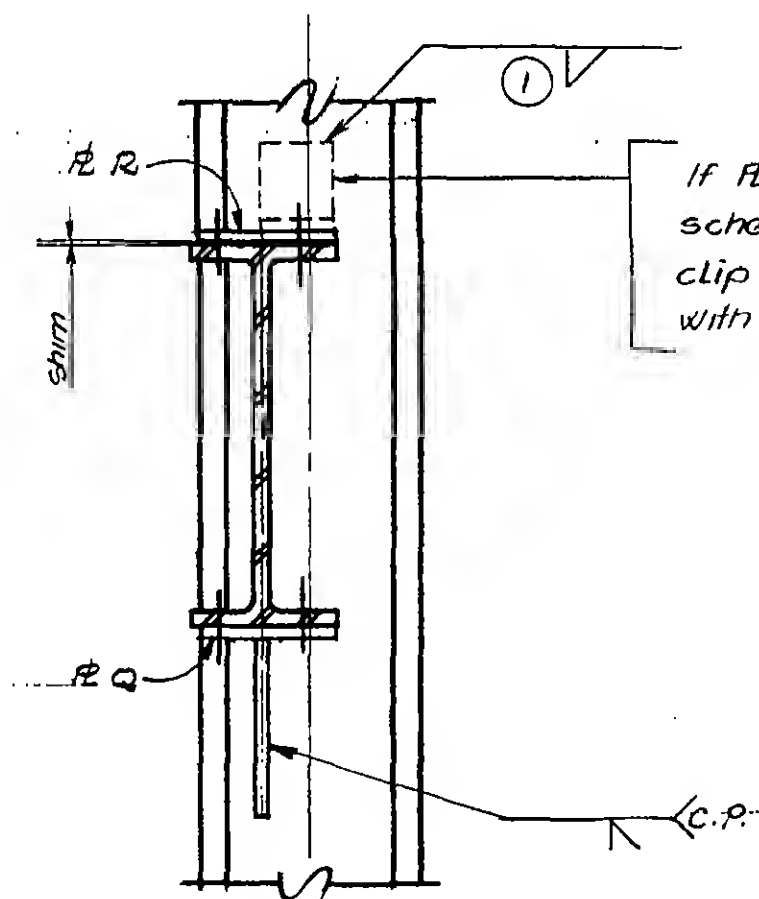
10-2-67
10-5-67



PLAN



SECTION a-a



SECTION b-b

If R is not scheduled, top clip L 6"x3 1/2"x3/8" with 2-3/4" bolts



Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

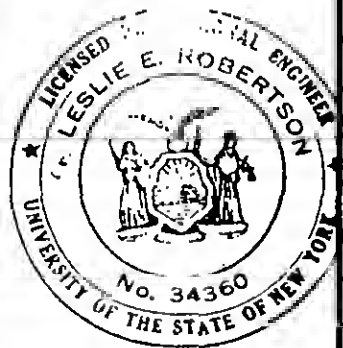
SCHEDULE FOR DETAIL 3/4 A, B, C

DATE

DATE 10-2-67

REVISIONS

- 5 - 67

[illegible]

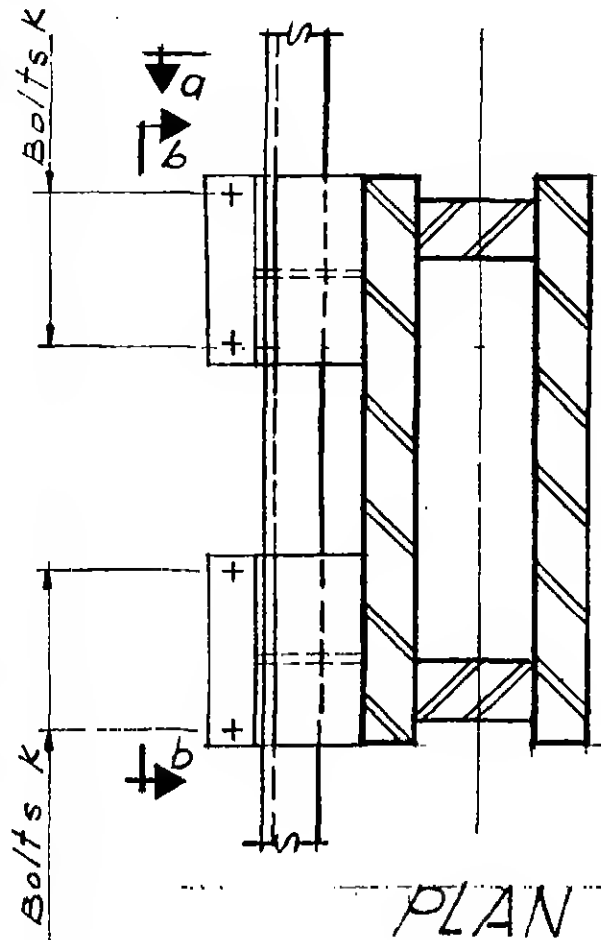
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 315 A-E

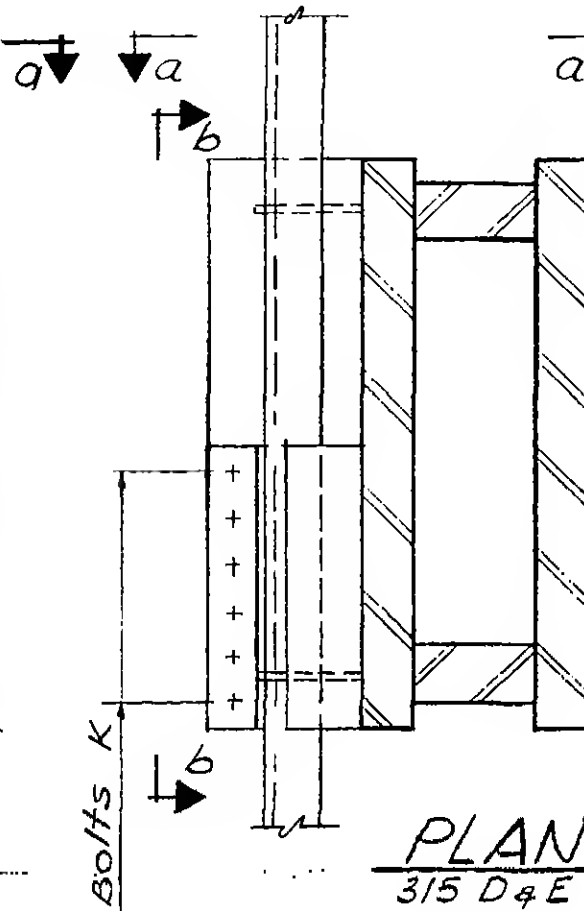
DATE 5-9-67

REVISIONS

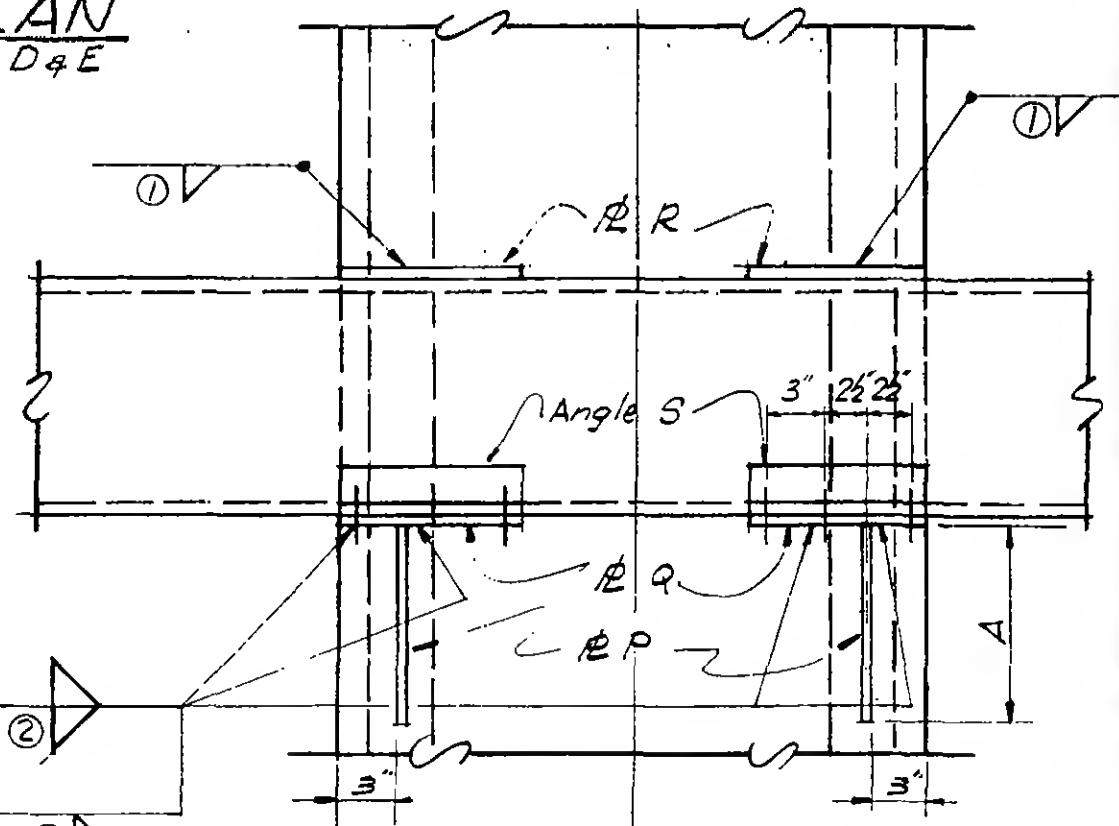
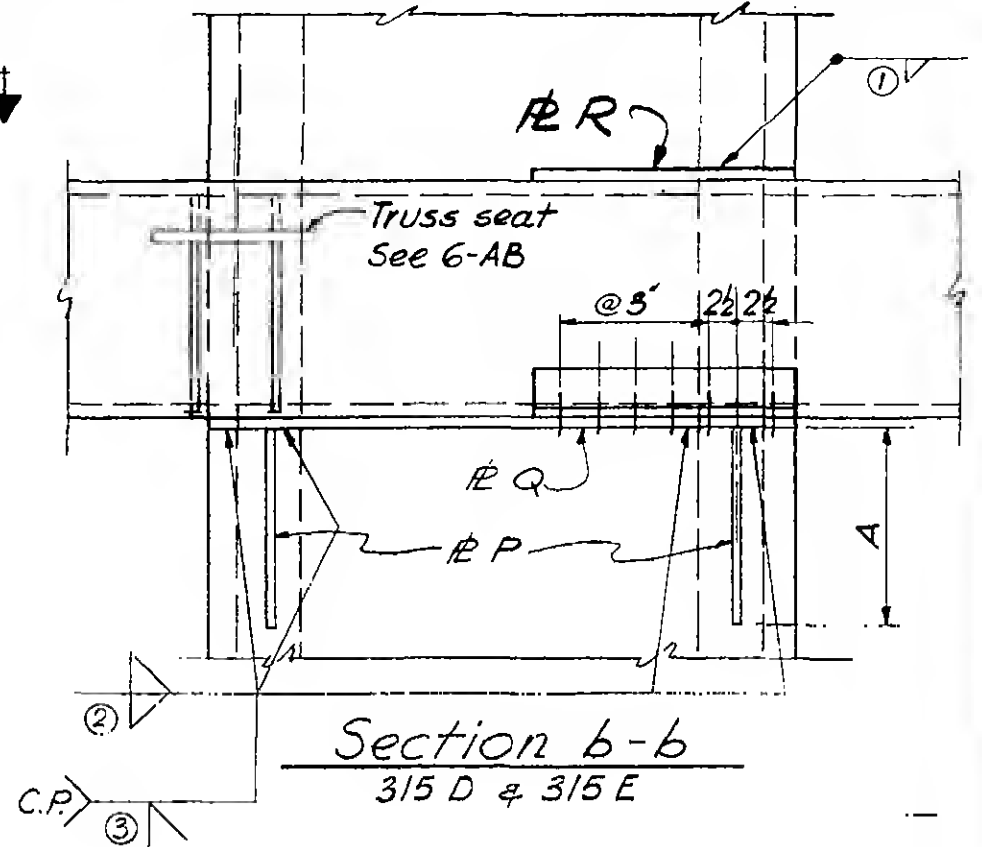
7-28-67



Section a-a



Section b-b



6-ABI-122



PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 315 A - E

DATE 7-28-67

REVISIONS

	315 A	315 B	315 C	315 D	315 E	
PLATE						
P	1/2"	3/4"	1/2"	1/2"	3/4"	
Q	5/8"	3/4"	5/8"	5/8"	3/4"	
R	3/8" x 1'-0"	3/8" x 1'-0"	3/8" x 0'-6"	3/8" x 2'-0"	3/8" x 2'-0"	
ANGLE						
S	3 x 3 x 7/16 x 1'-0"	3 x 3 x 7/16 x 1'-0"	3 x 3 x 7/16 x 0'-6"	3 x 3 x 7/16 x 1'-9"	3 x 3 x 7/16 x 1'-9"	
DIMENSION						
A	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	
BOLTS						
K	3 - 3/4" ϕ	3 - 3/4" ϕ	2 - 3/4" ϕ	6 - 3/4" ϕ	6 - 3/4" ϕ	
WELOS						
①	3/8	3/8	3/8	3/8	3/8	
②	—	—	—	—	—	
③	C.P.	C.P.	C.P.	C.P.	C.P.	
④	—	—	—	—	—	
⑤	C.P.	C.P.	C.P.	C.P.	C.P.	
⑥	5/16	5/16	5/16	5/16	5/16	

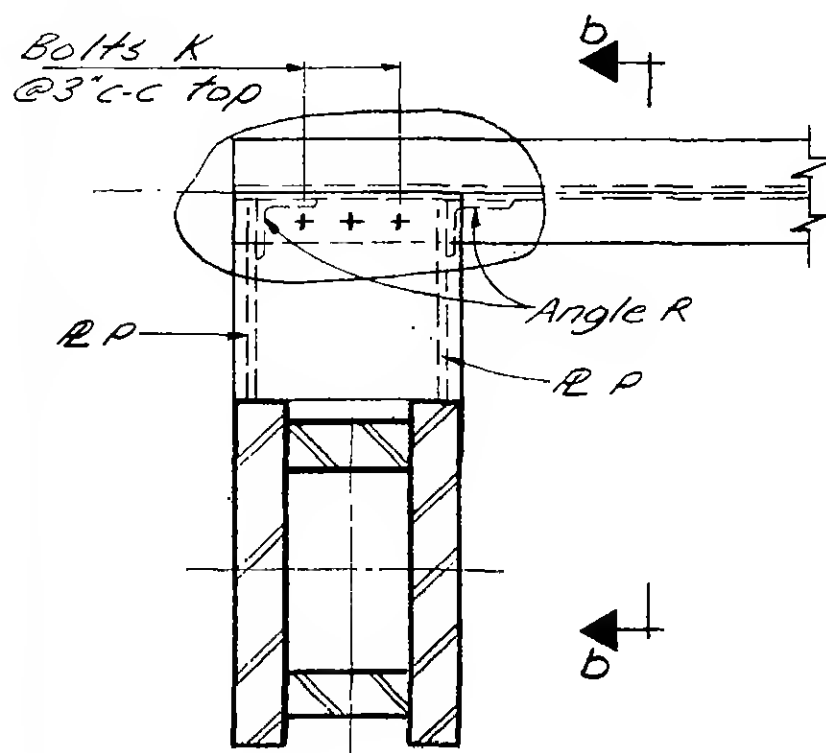


6-AB1-122.1

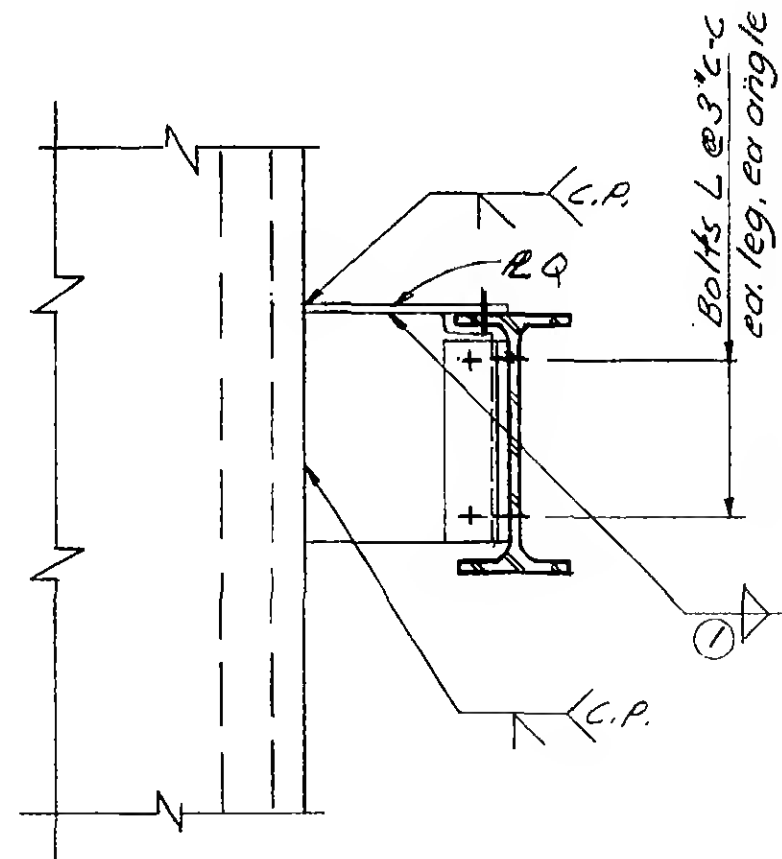
REVISIONS

9-15-67

11-10-67



Plan



Section b-b



Structural & Civil Engineers

TITLE SCHEDULE FOR DETAIL 3/6 A,B

DATE 9-15-67

REVISIONS

[illegible]

6-AB1-123.1



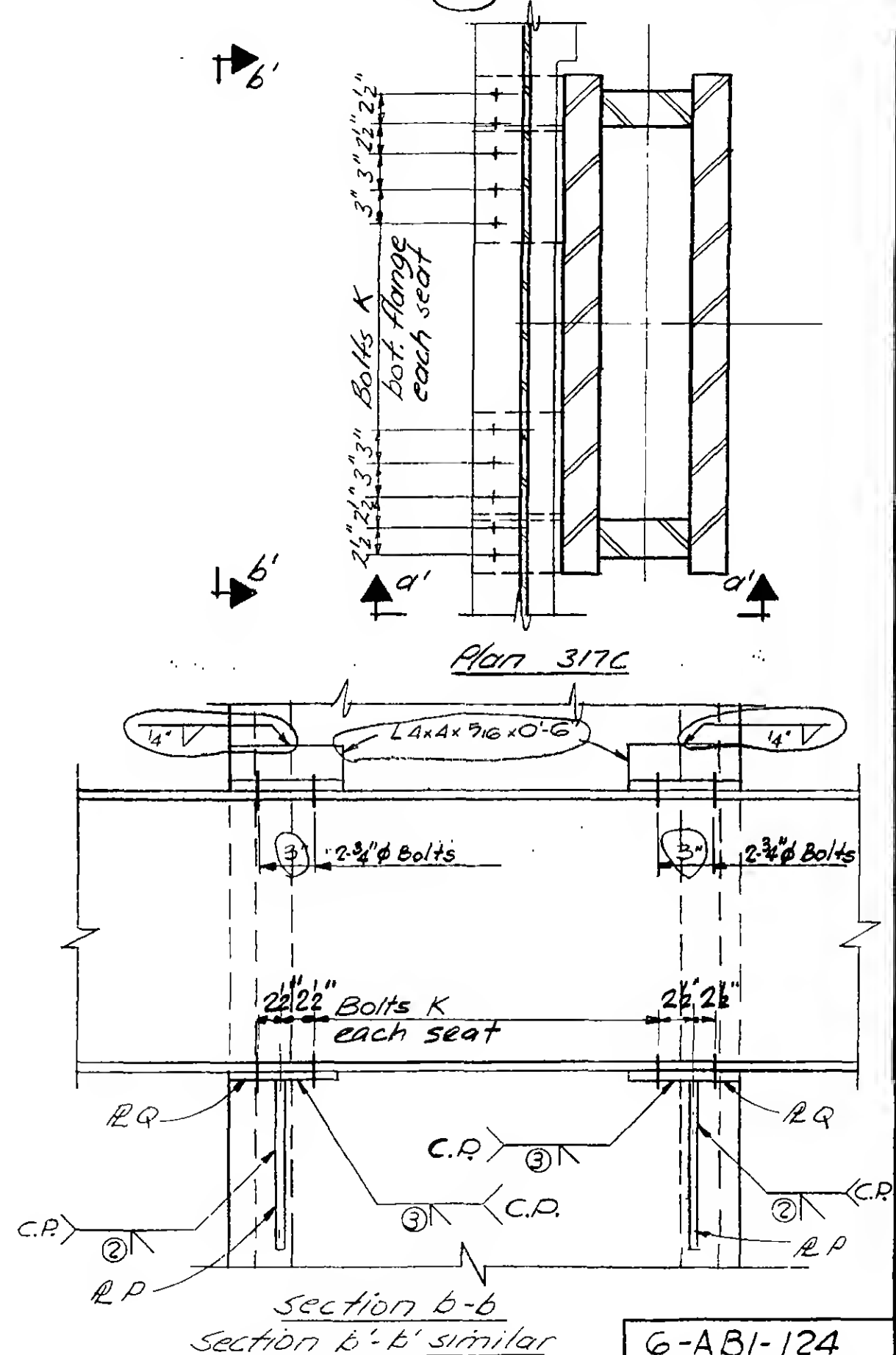
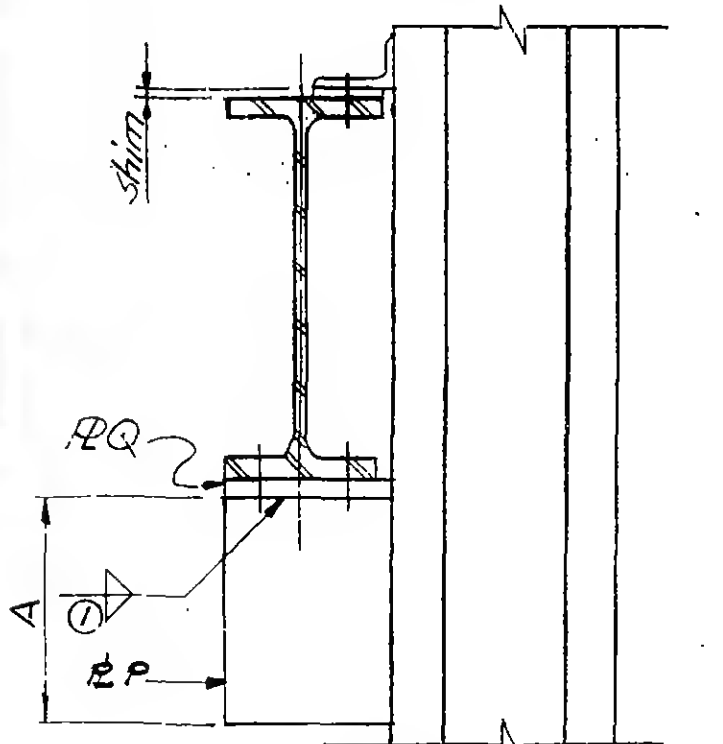
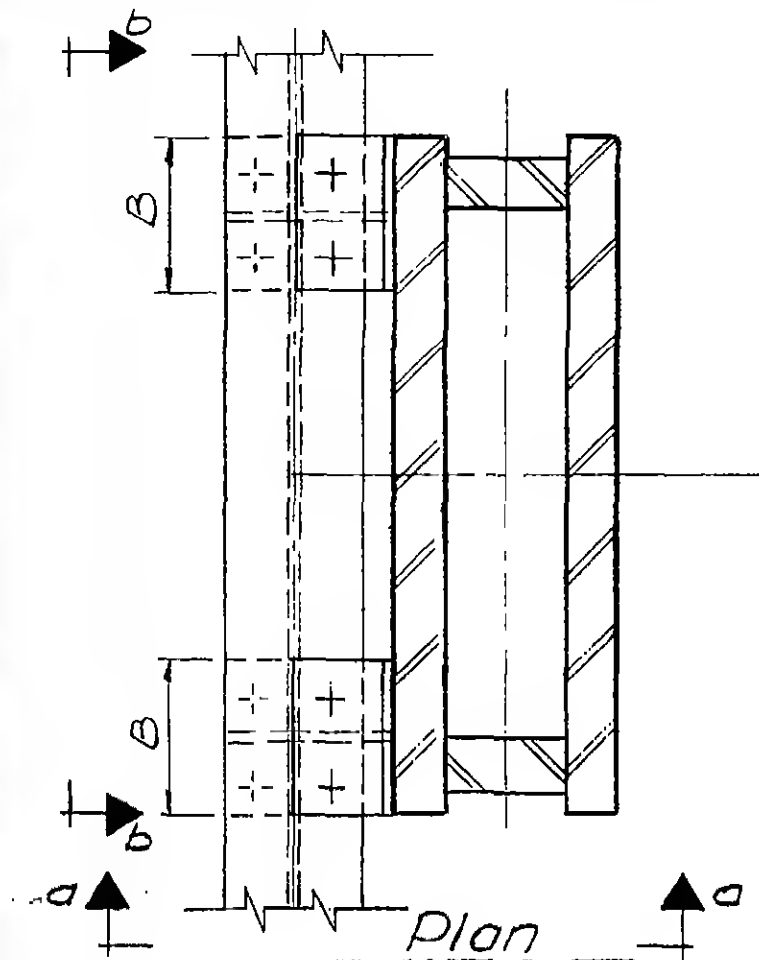
PROJECT **THE WORLD TRADE CENTER**

TITLE **CONNECTION DETAIL 317 A, B, C, D, E, F**

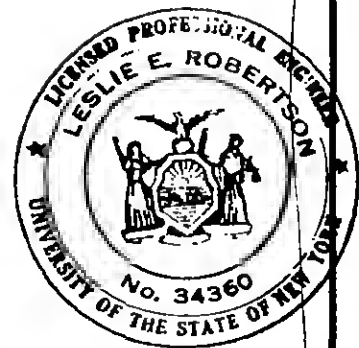
DATE **5-22-67**

REVISIONS

7-28-67
8-14-67
9-15-67
10-2-67

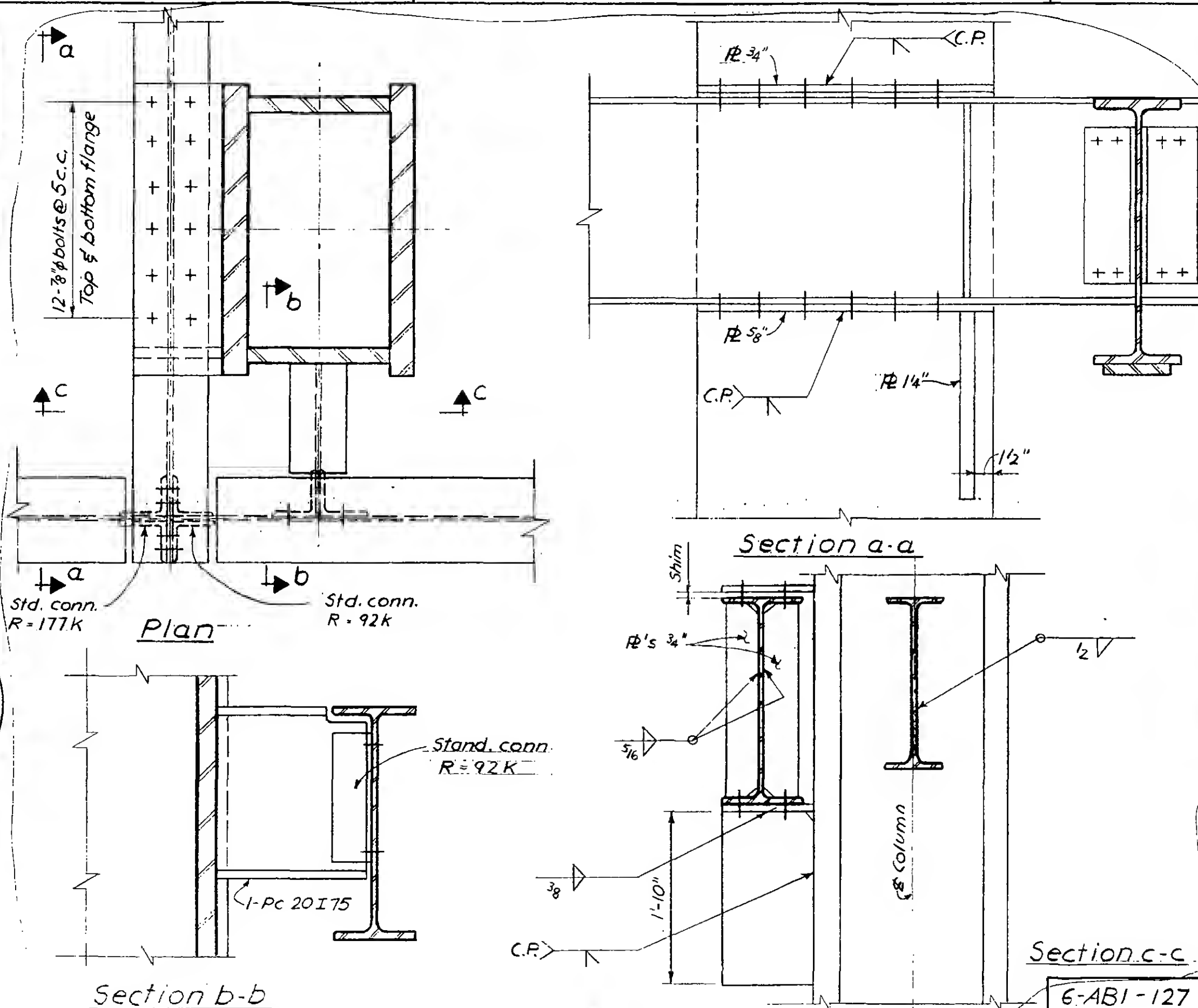


)- 2 - 67



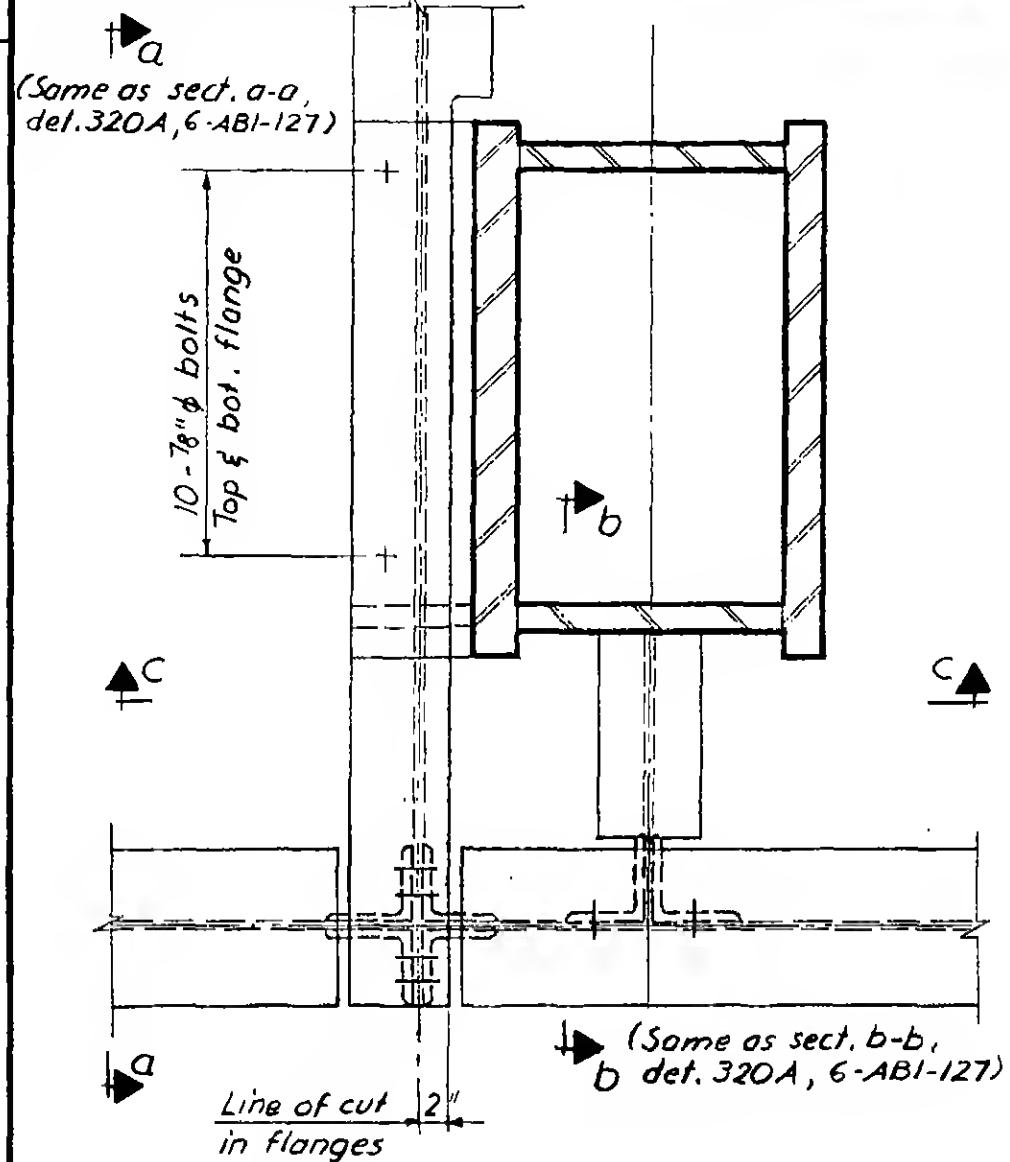
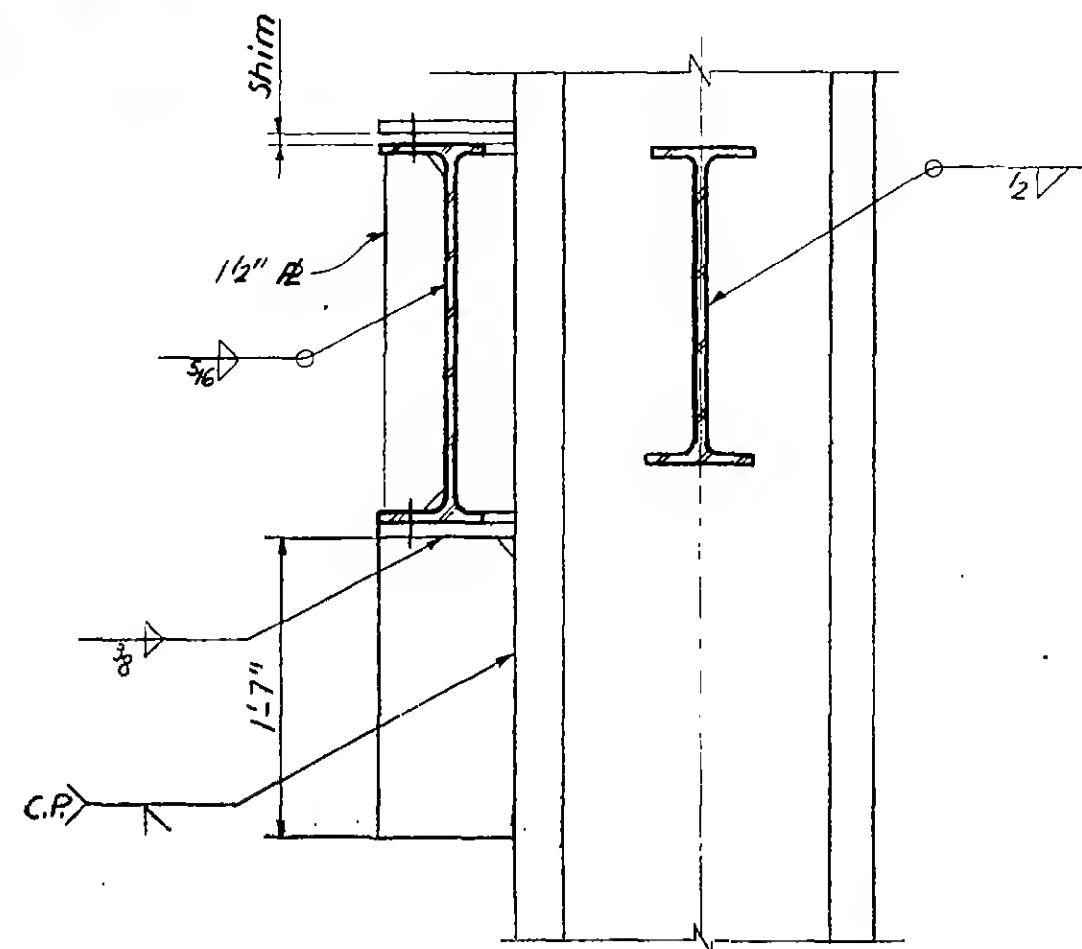
REVISIONS

0-2-67



PROJECT THE WORLD TRADE CENTERTITLE CONNECTION DETAIL 320-BDATE 3-29-68

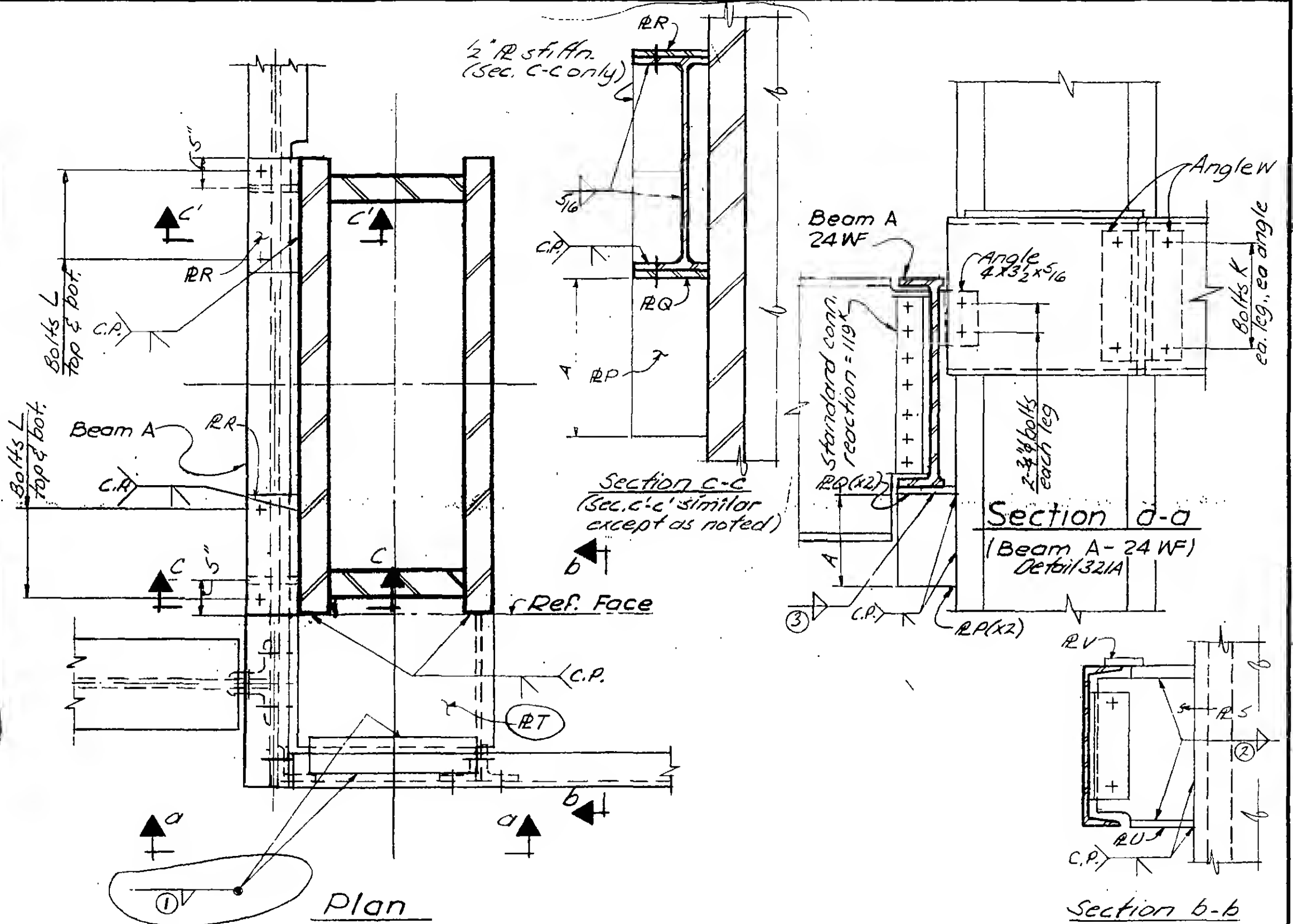
REVISIONS

PlanSection c-c

REVISIONS

9-15-67

11-10-67



PROJECT THE WORLD TRADE CENTER

TITLE	SCHEDULE FOR DETAIL 321A
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DATE 9-15-67

REVISIONS

11-10-67

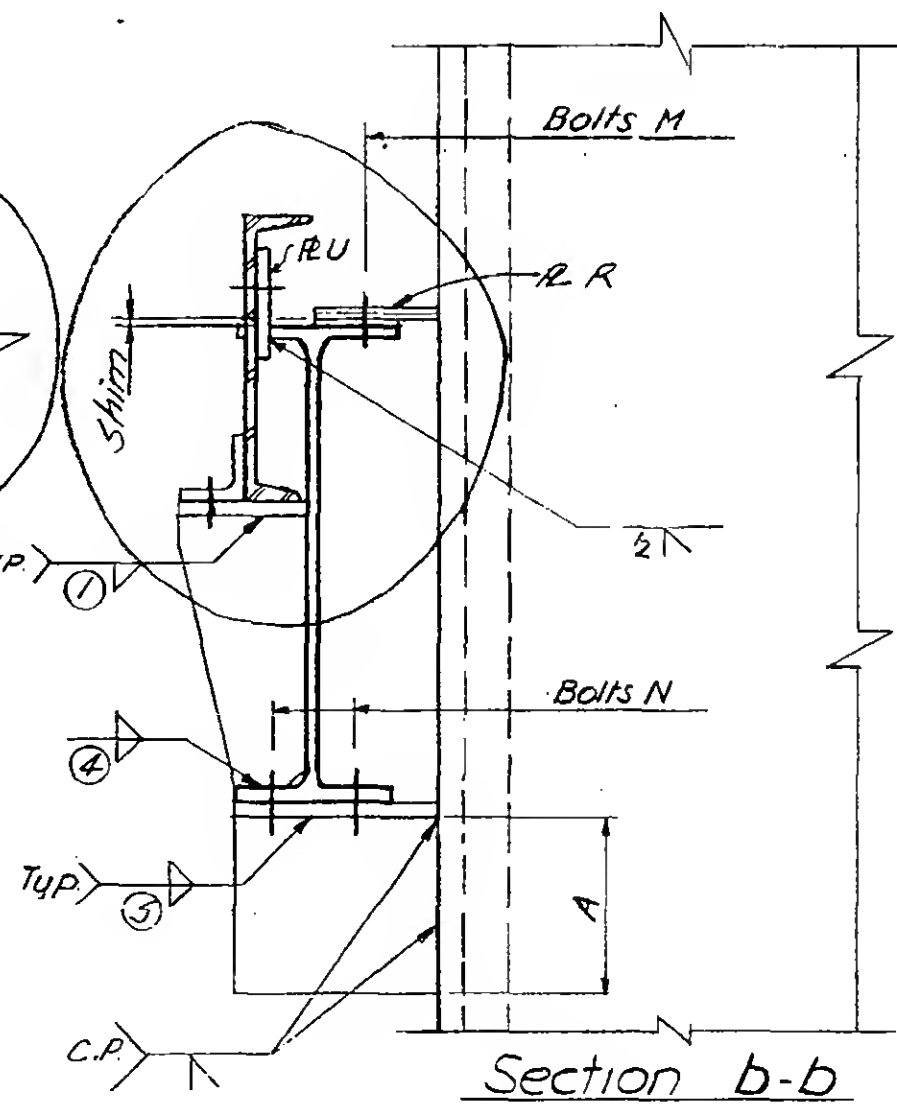
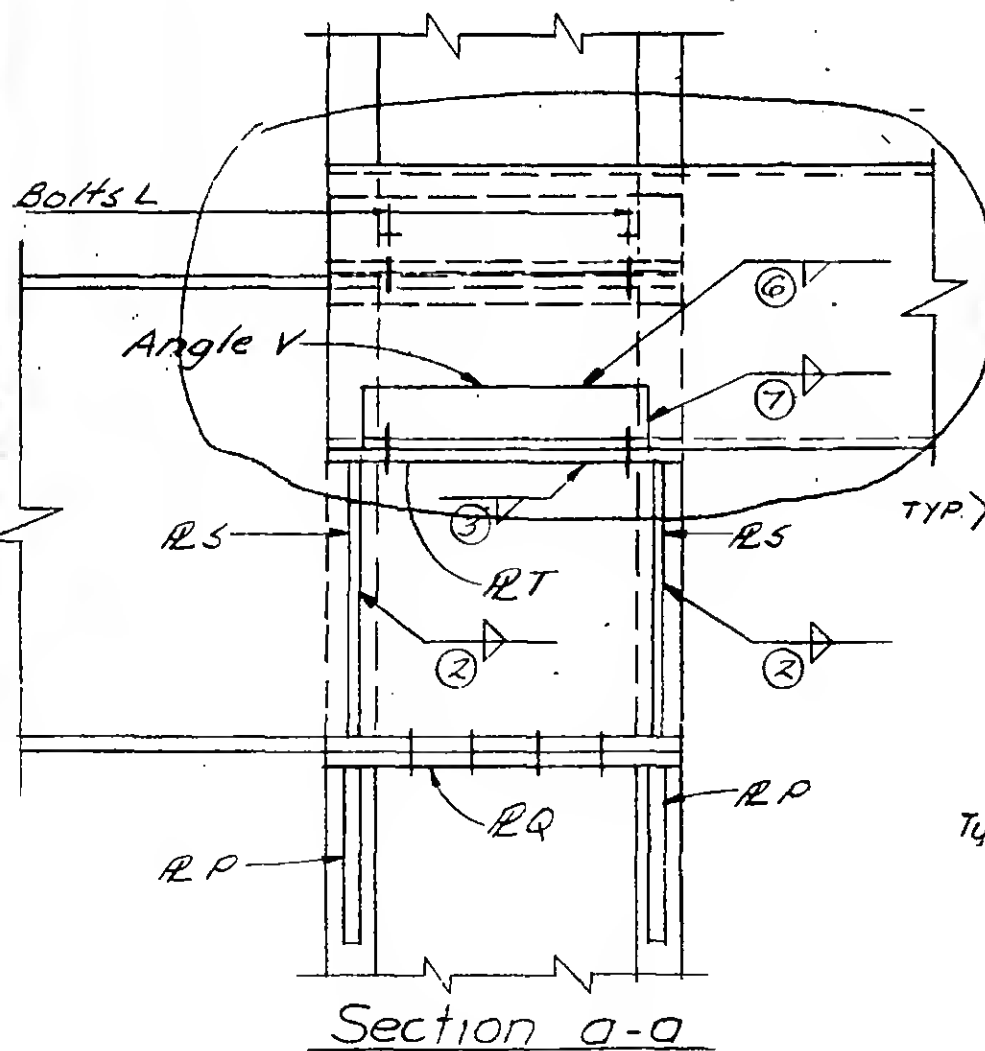
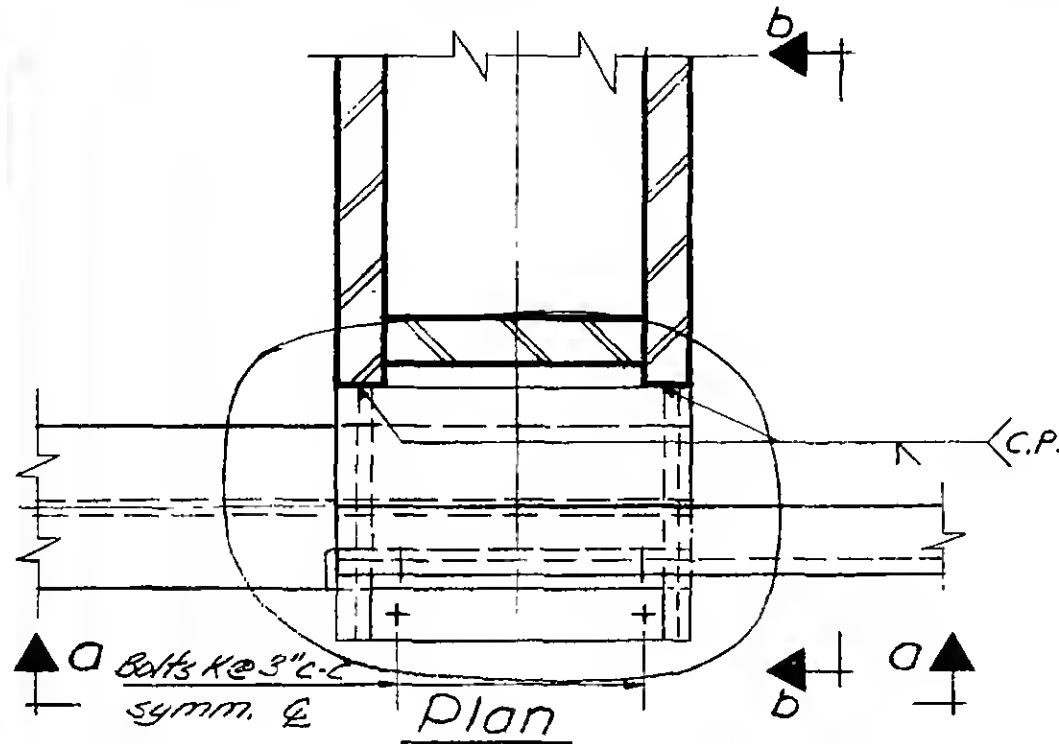
321 A						
PLATES						
P	1"					
Q	1"					
R	5/8"					
S	1 1/2"					
T	1 1/4"					
U	5 x 5/8"					
V	4 x 5/8 x 1'-8"					
ANGLES						
W	4 x 3 1/2 x 3/8					
DIMENSIONS						
A	1'-6"					
BOLTS						
K	4-7/8" ϕ					
L	5-1" ϕ 					
WELDS						
①	5/16					
②	1/2					
③	1/2					

6-AB1-128.1

REVISIONS

9-15-67

11-10-67



PROJECT

THE WORLD TRADE CENTER

TITLE

SCHEDULE FOR DETAIL 322A

DATE _____

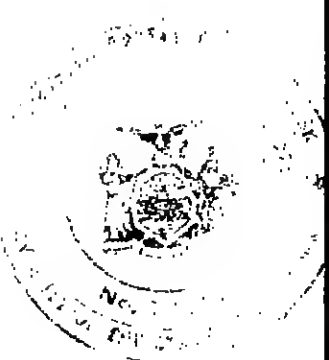
9-15-67

REVISIONS

11-10-67

	322A				
PLATE					
P	1"				
Q	1"				
R	1/2"				
S	3/8"				
T	3/8"				
U	1/2"				
ANGLE					
V	3x3x3/8				
DIMENSION					
A	1'-8"				
BOLTS					
K	4-3/4" ϕ				
L	4-3/4" ϕ				
M	4-3/4" ϕ				
N	8-3/4" ϕ				
WELD					
(1)	5/16				
(2)	5/16				
(3)	5/16				
(4)	5/16				
(5)	5/16				
(6)	5/16				
(7)	5/16				

G-AB1-129.1



PROJECT

THE WORLD TRADE CENTER

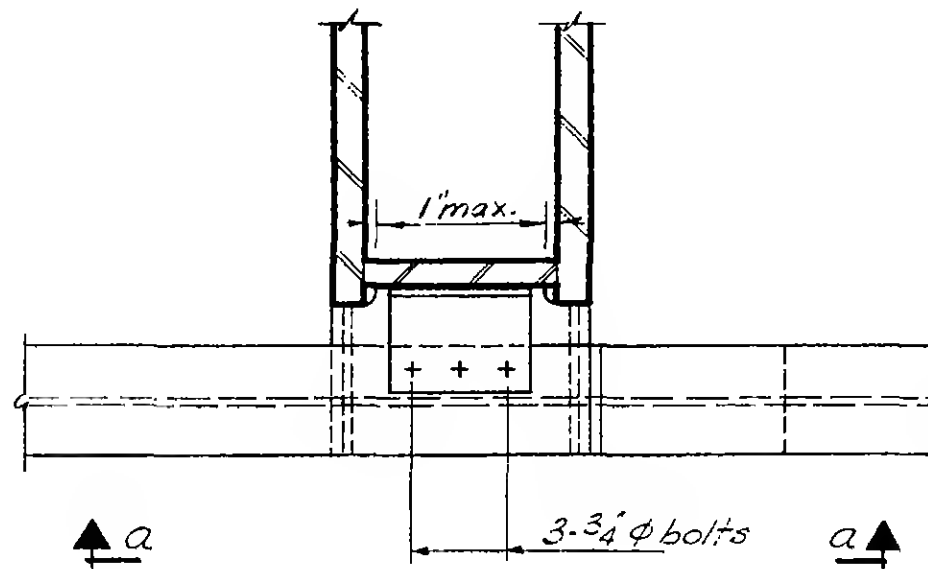
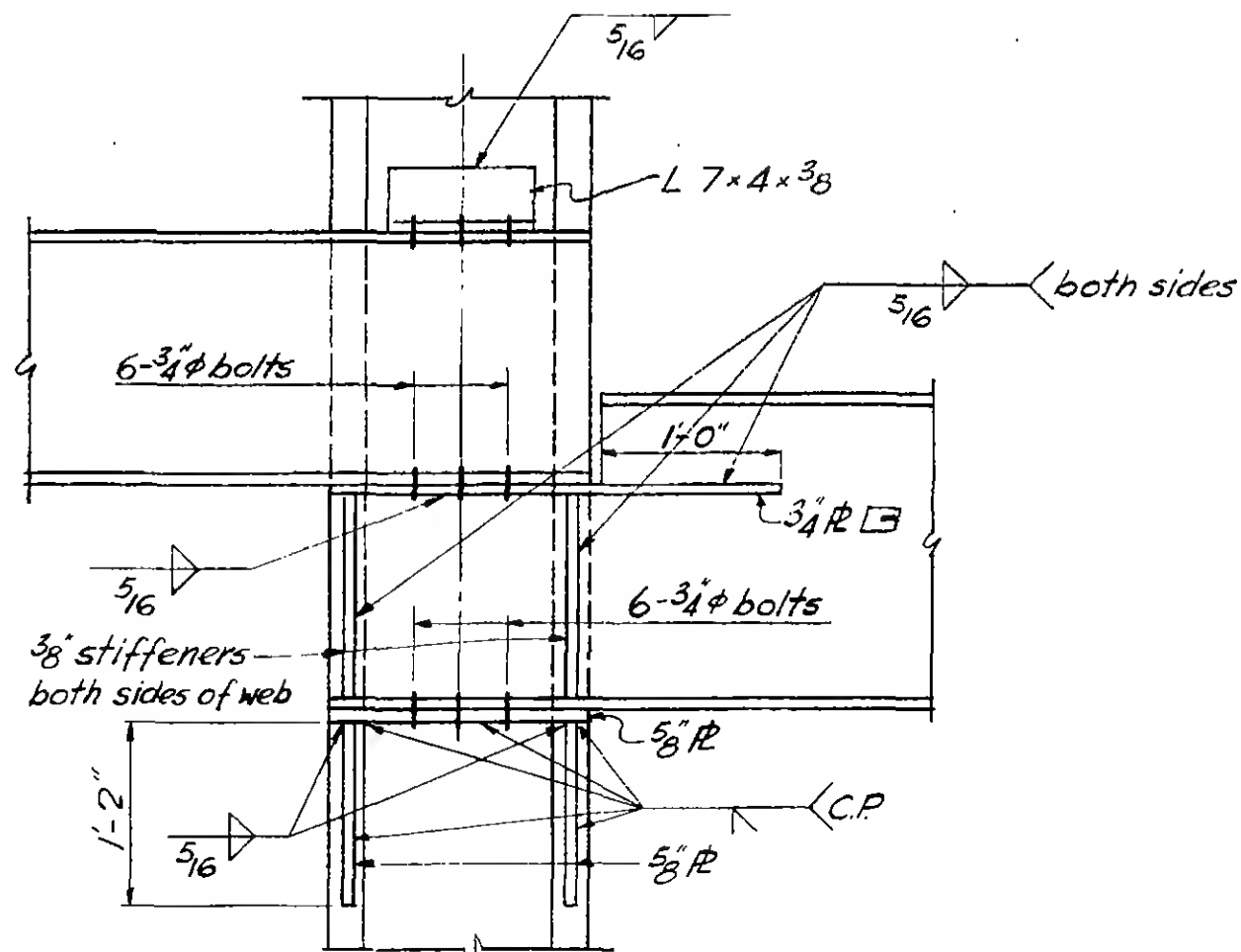
TITLE

CONNECTION DETAIL 322B

DATE

1-24-68

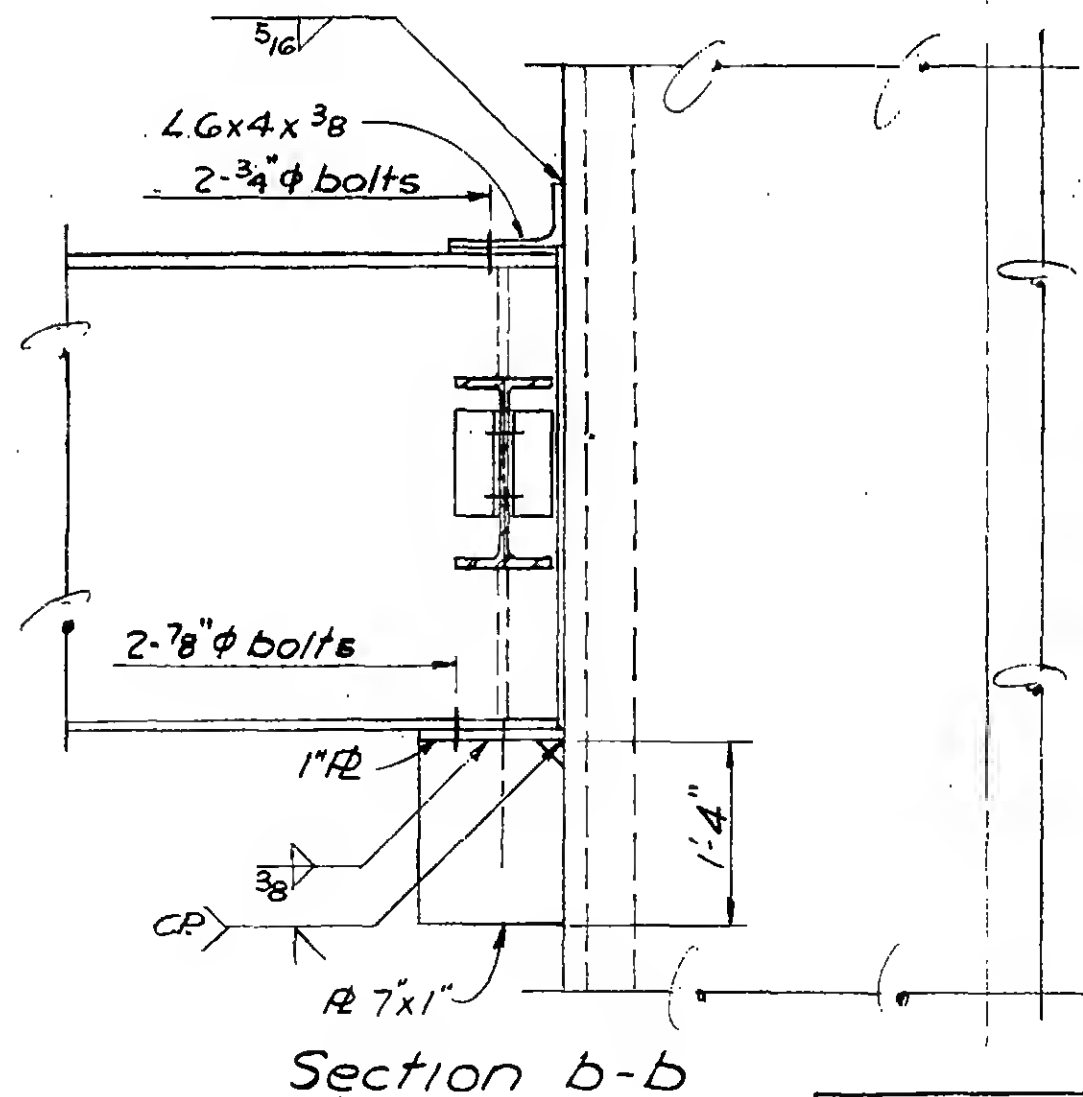
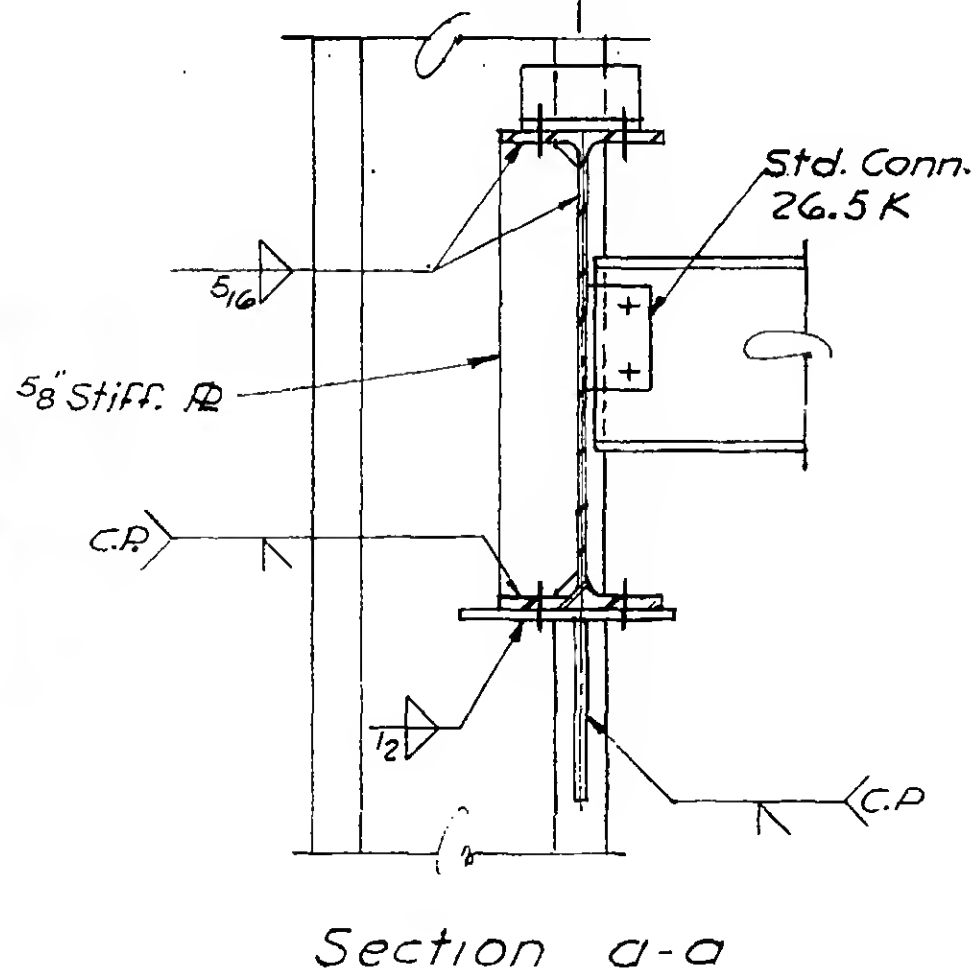
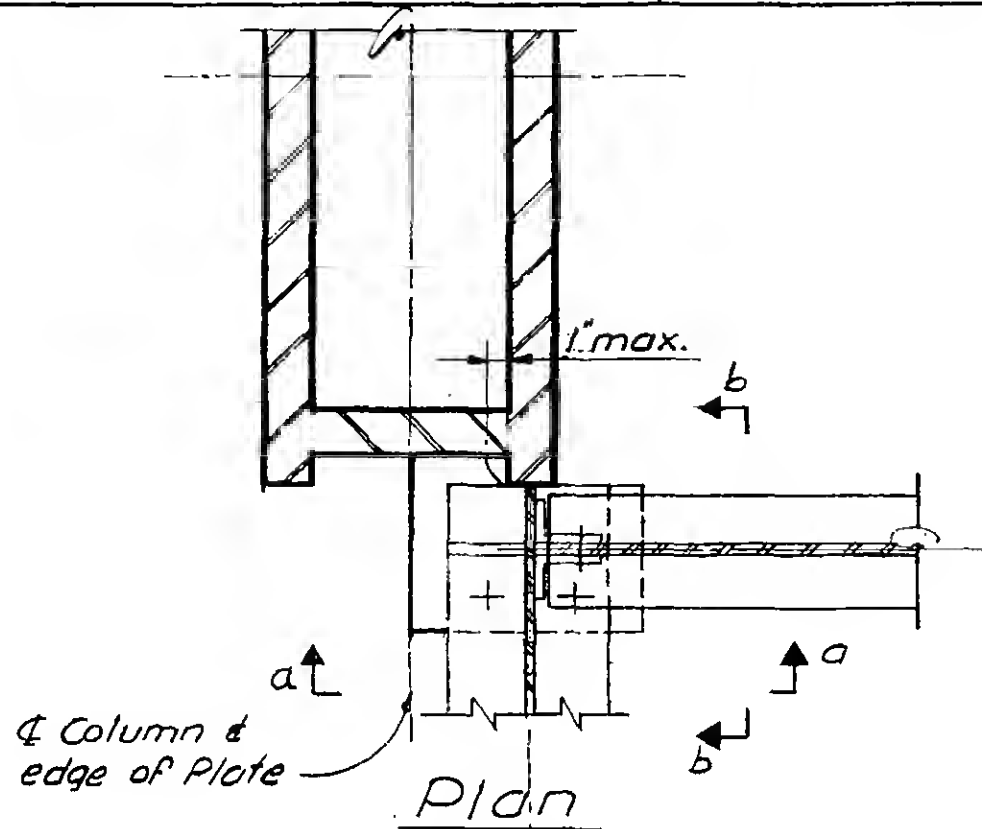
REVISIONS

PlanSection a-a

6-ABI-129.2

REVISIONS

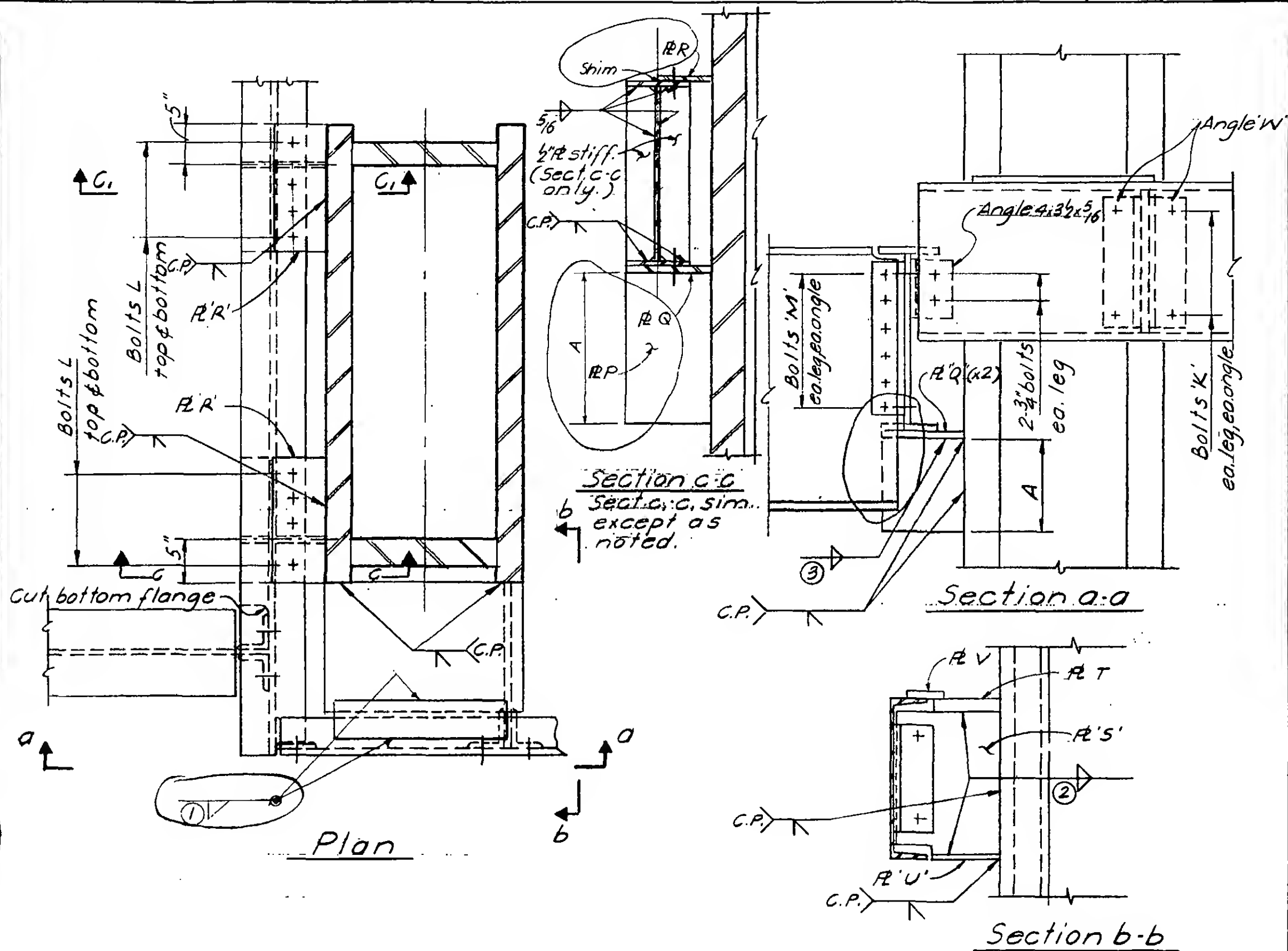
7-28-67



REVISIONS

9-15-67

11-10-67



6-AB1-131

Structural & Civil Engineers

TITLE SCHEDULE FOR DETAIL 324A

DATE 9-15-67

11-10-67

324A

PLATE

P	$7_8''$
-----	---------

Q	78"
---	-----

R	1/2"
---	------

5	1 1/2"
---	--------

T	1'4"
---	------

U	5" 5
---	------

V	4" x 5" x 1'-8"
---	-----------------

ANGLE

W	$4 \times 3\frac{1}{2} \times \sqrt{7/16}$
---	--

DIMENSION

A	1'6"
---	------

BOLTS

K

L	4-7/8" ϕ
---	---------------

M	6-1" Ø
---	--------

WELD

①	9/6
---	-----

②	12
---	----

③	5/16
---	------

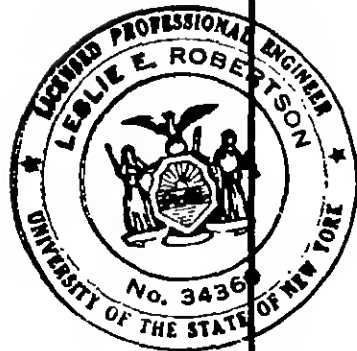
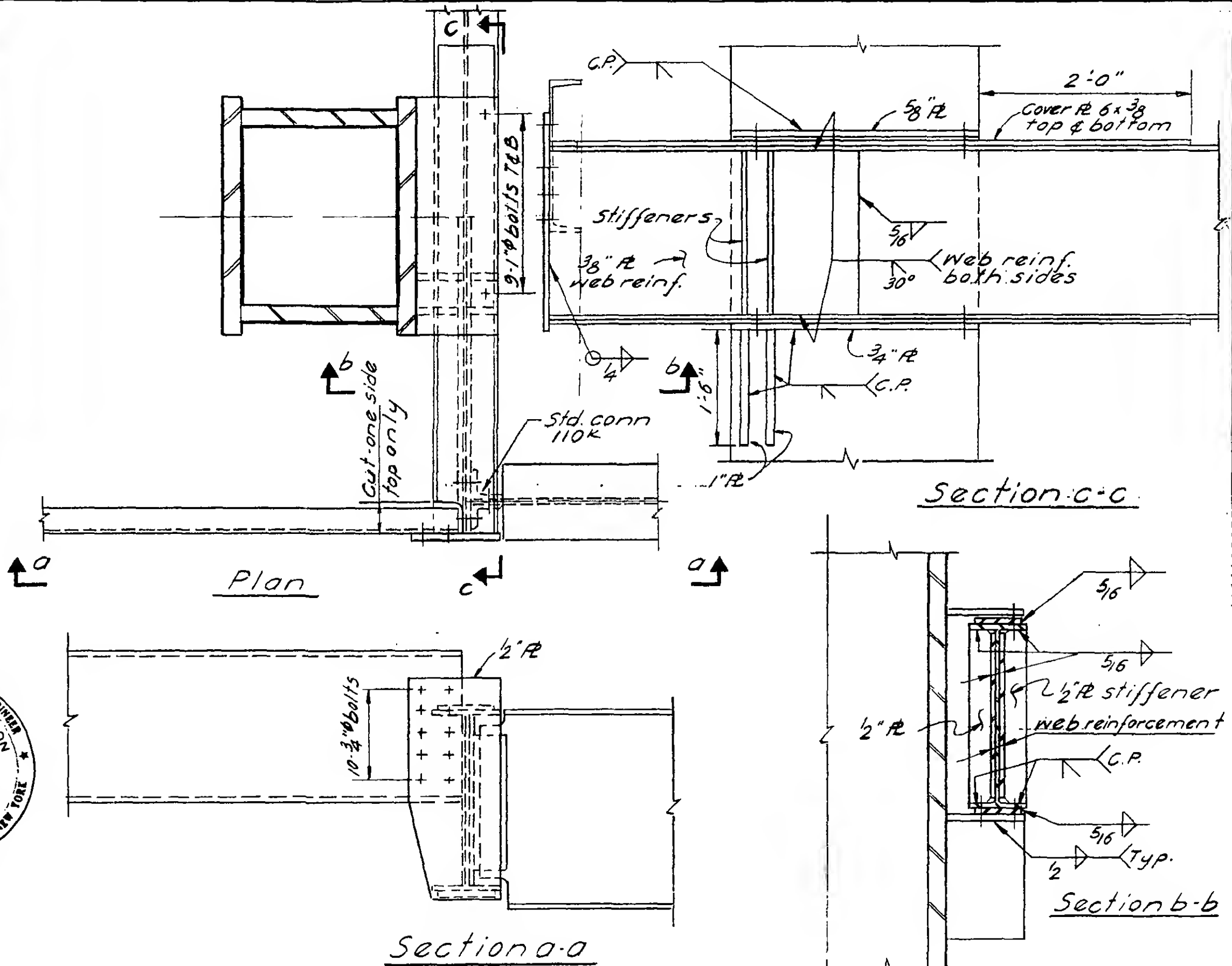
6-AB1-131.1

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 324 B,C

DATE 10-5-67

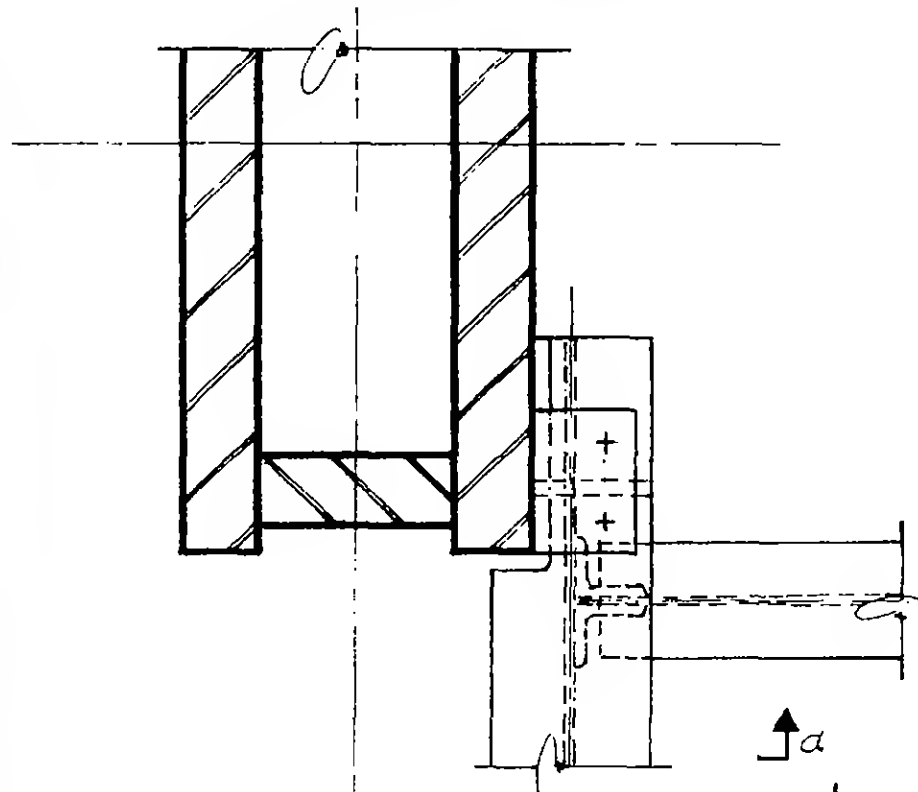
REVISIONS



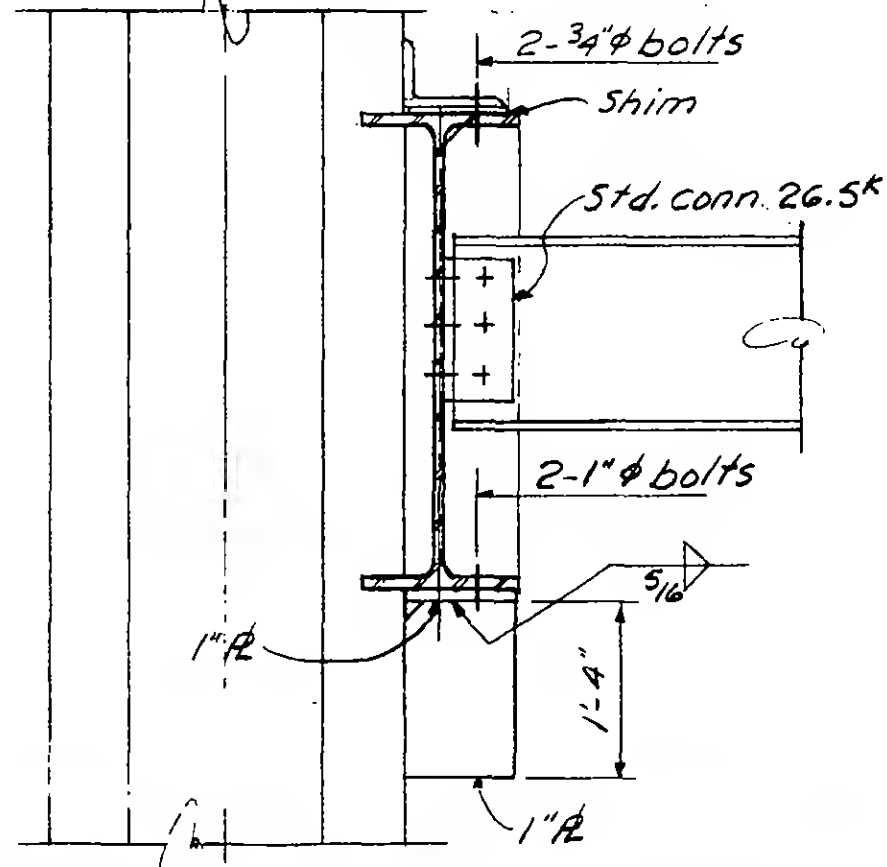
6-ABI-131.2

REVISIONS

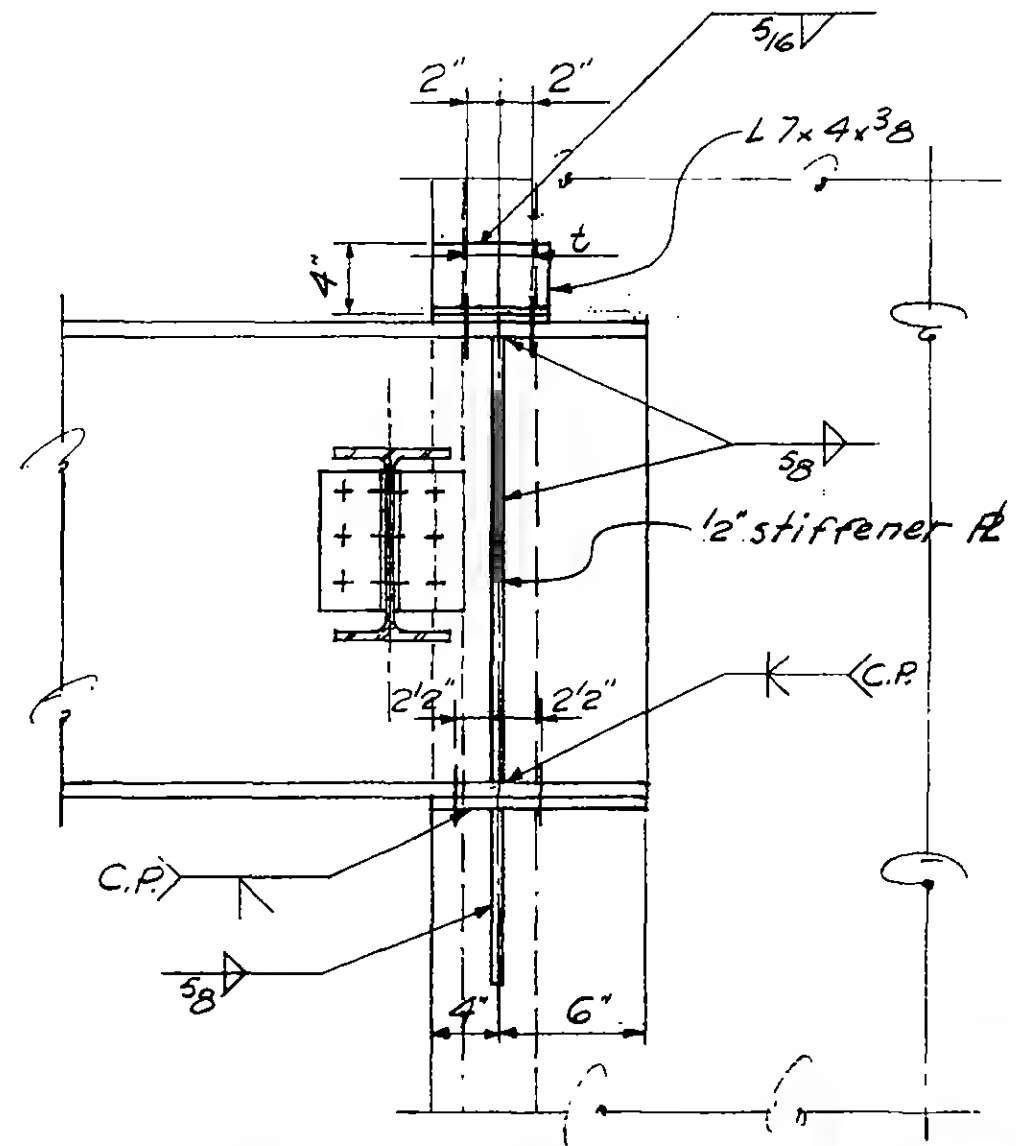
7-28-67



PLAN



Section a-a



Section b-b



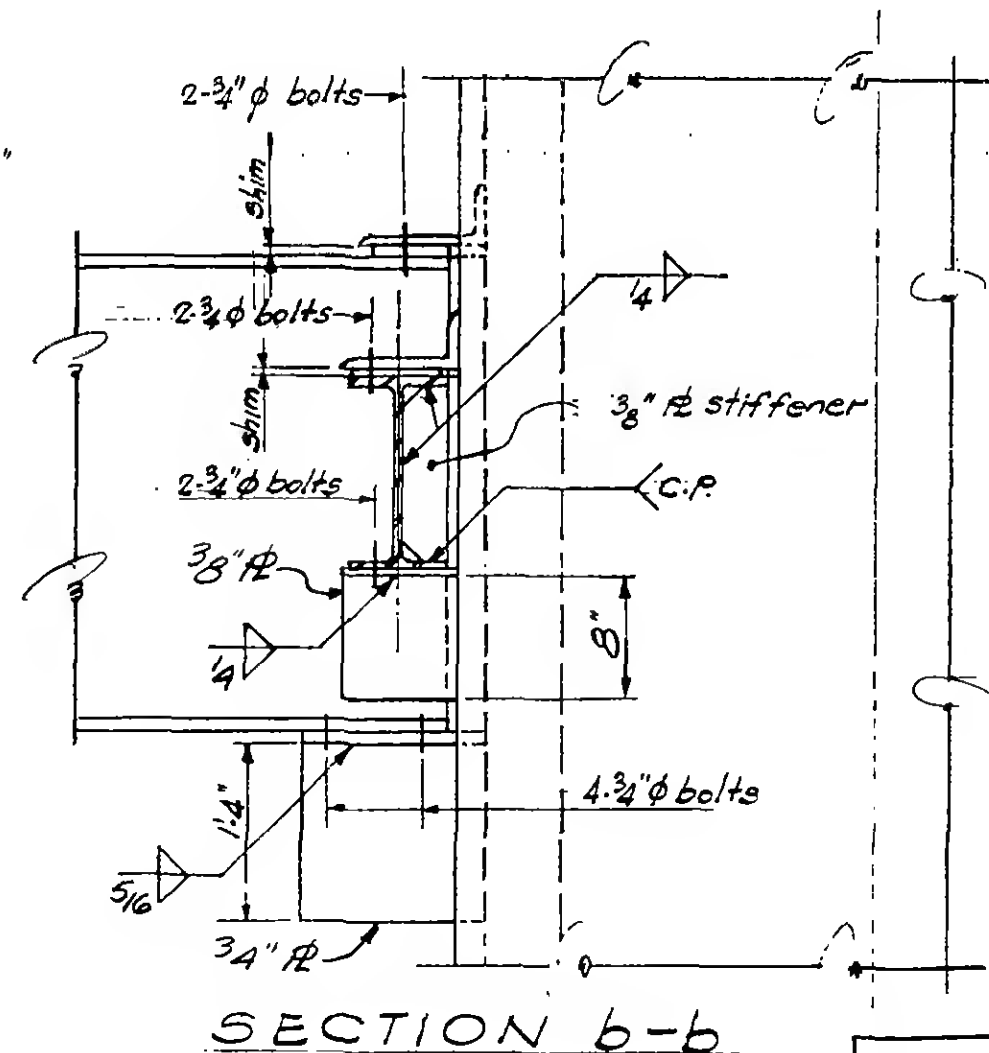
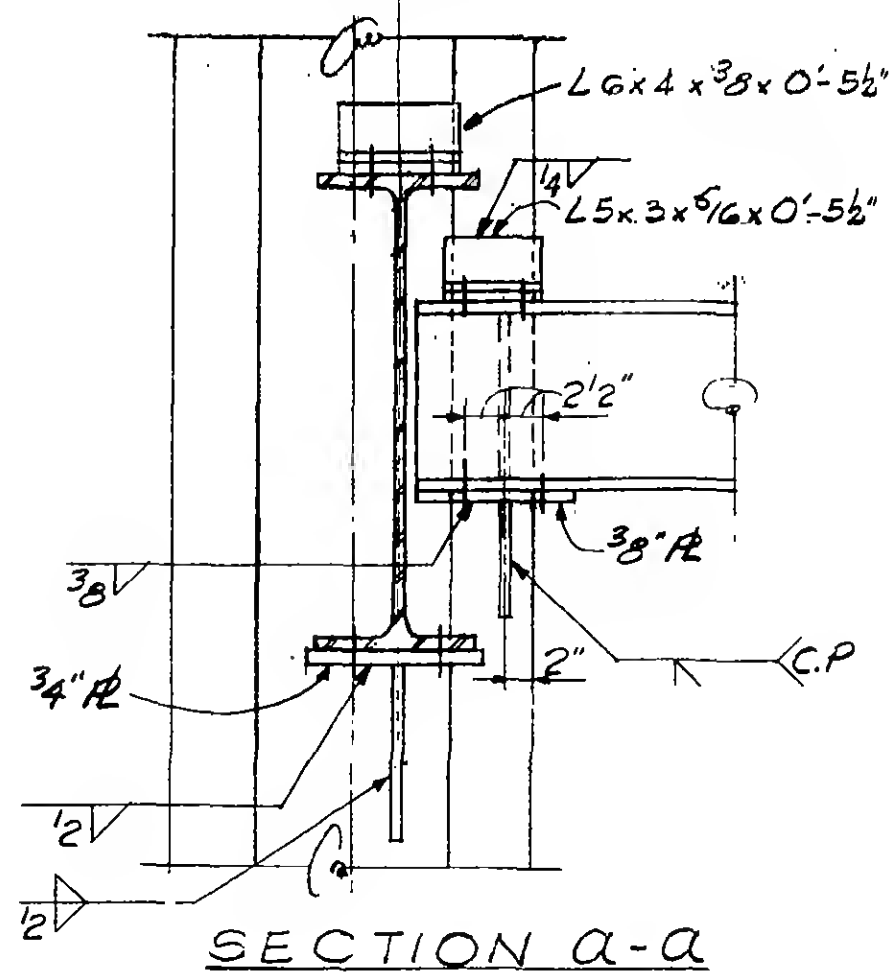
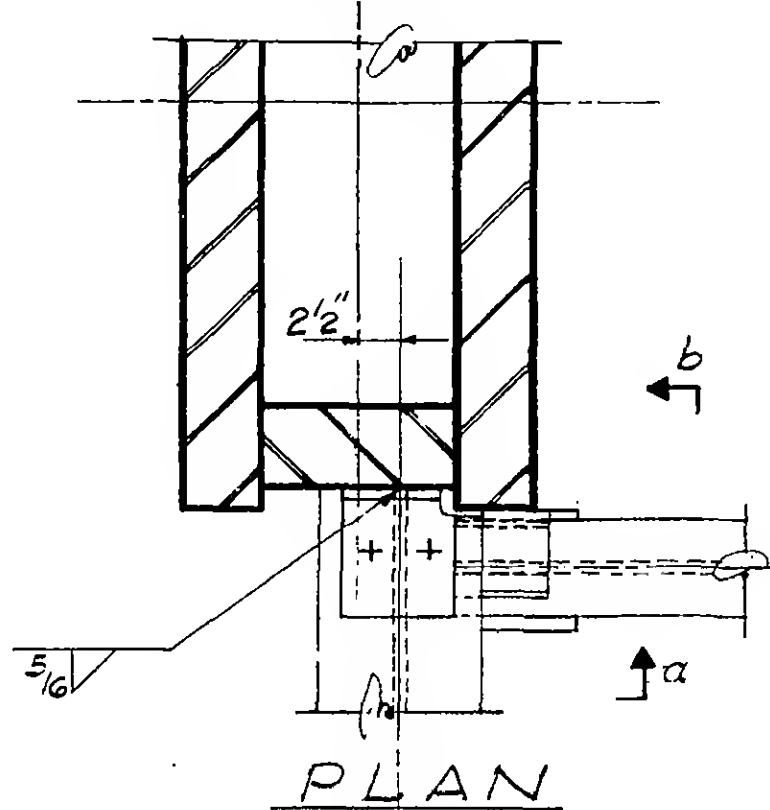
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 326A

DATE 6-12-67

REVISIONS

7-28-67



WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

PROJECT

WORLD TRADE CENTER

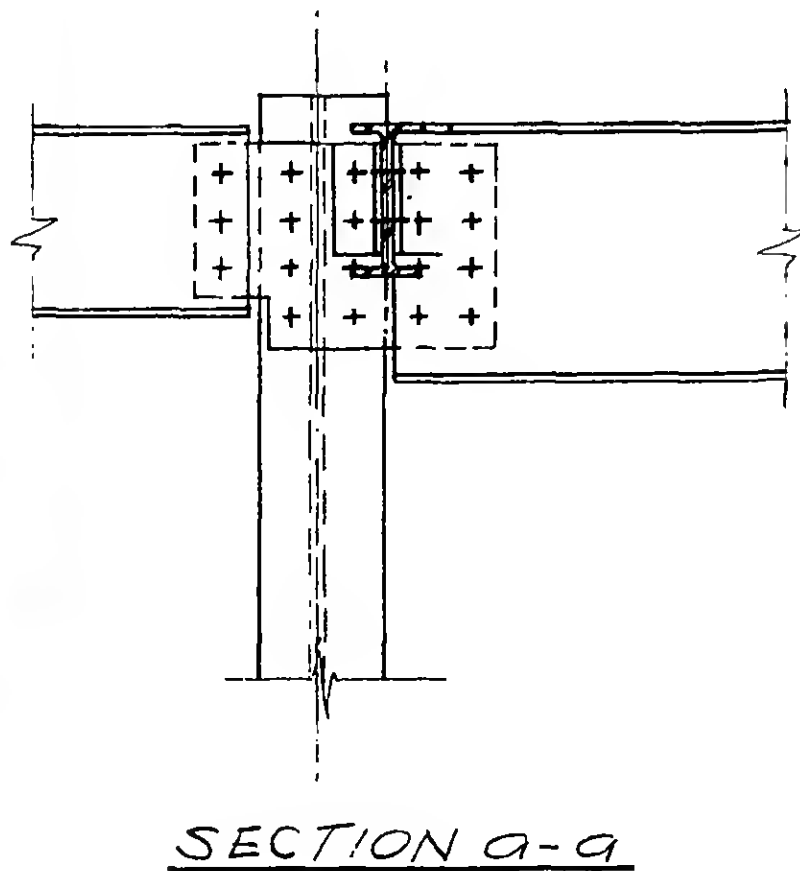
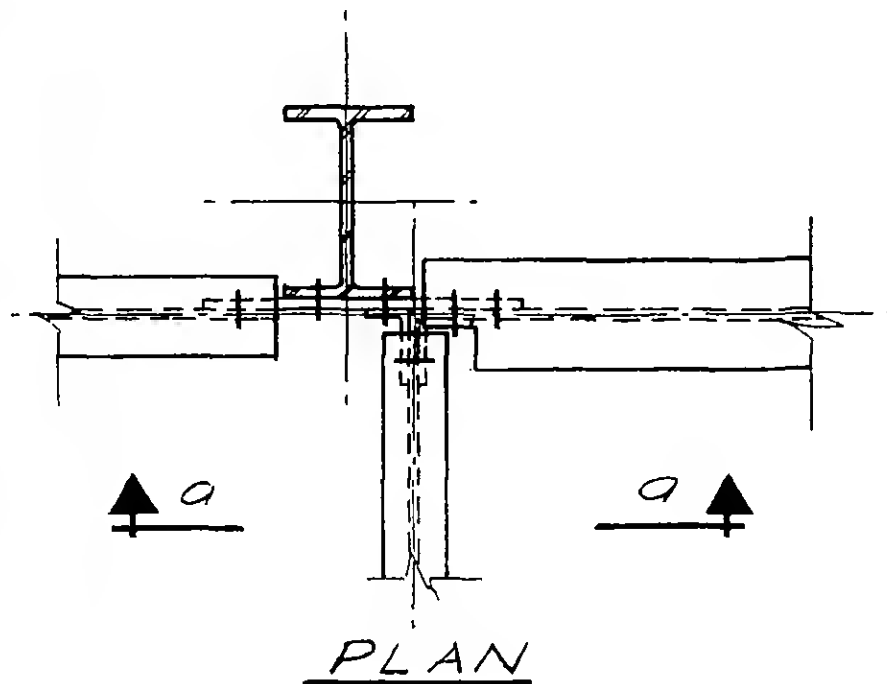
TITLE

CONNECTION DETAIL 327

DATE

7/20/67

REVISIONS



G-ABI-134

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 328A

DATE 7/14/67

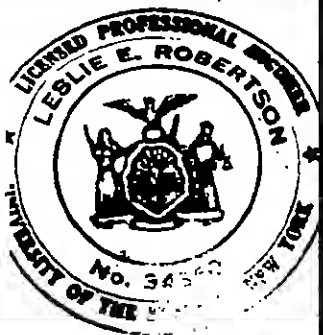
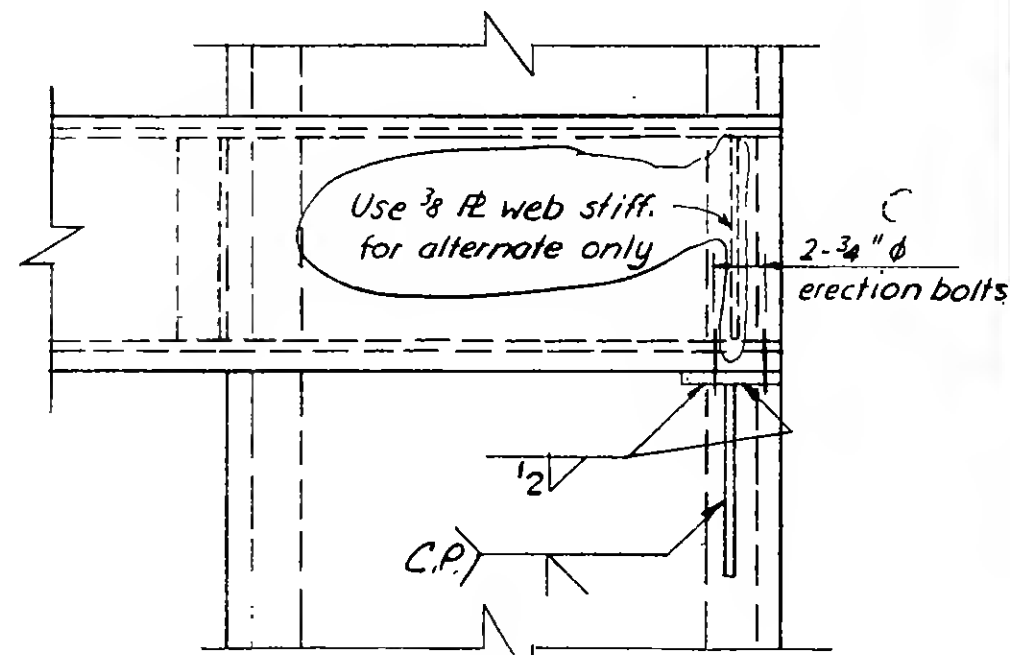
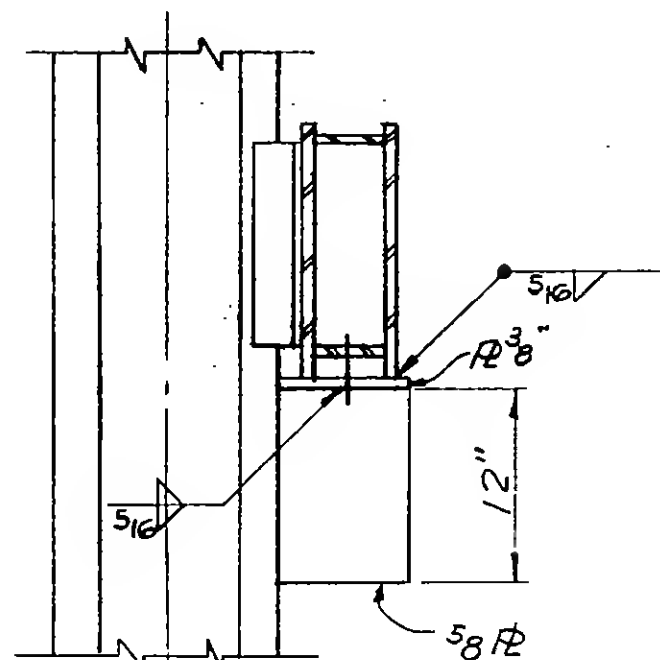
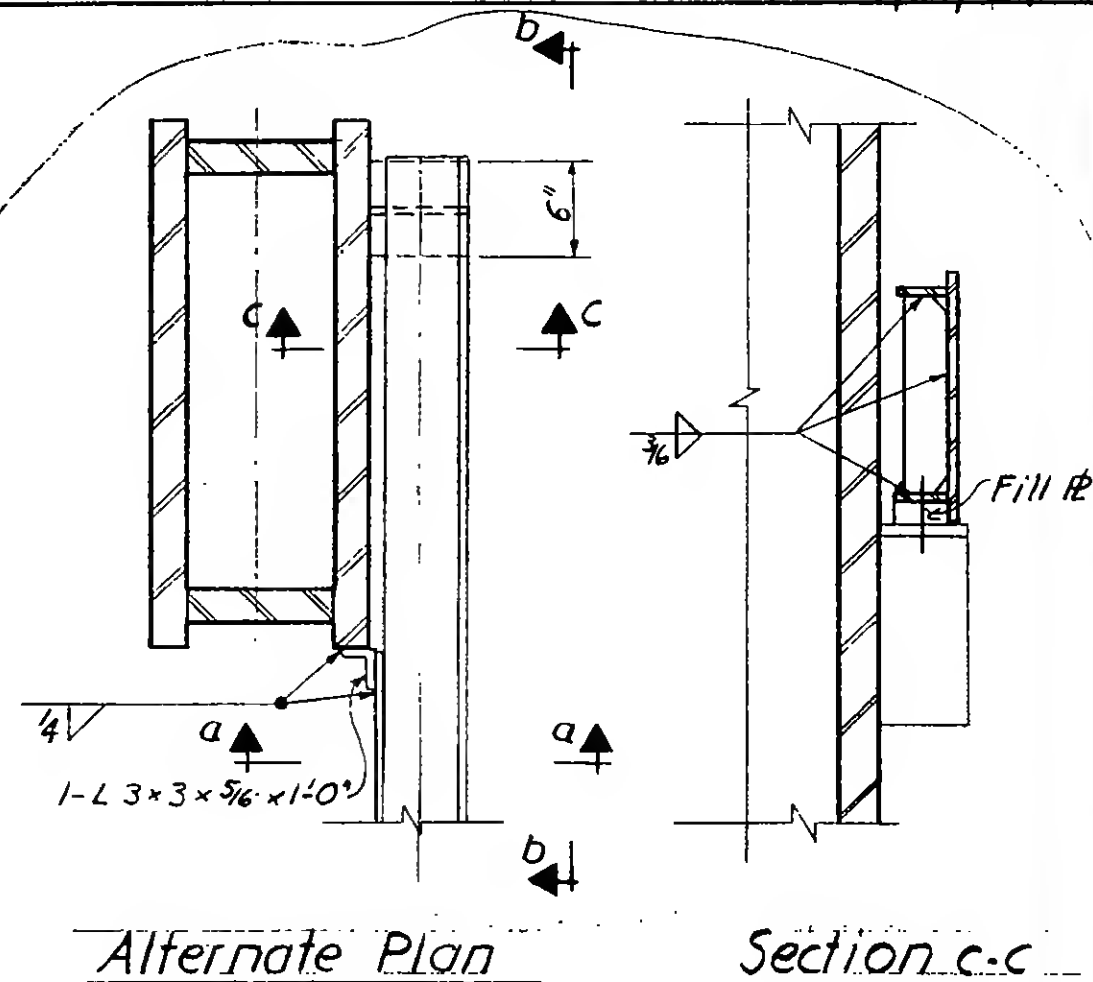
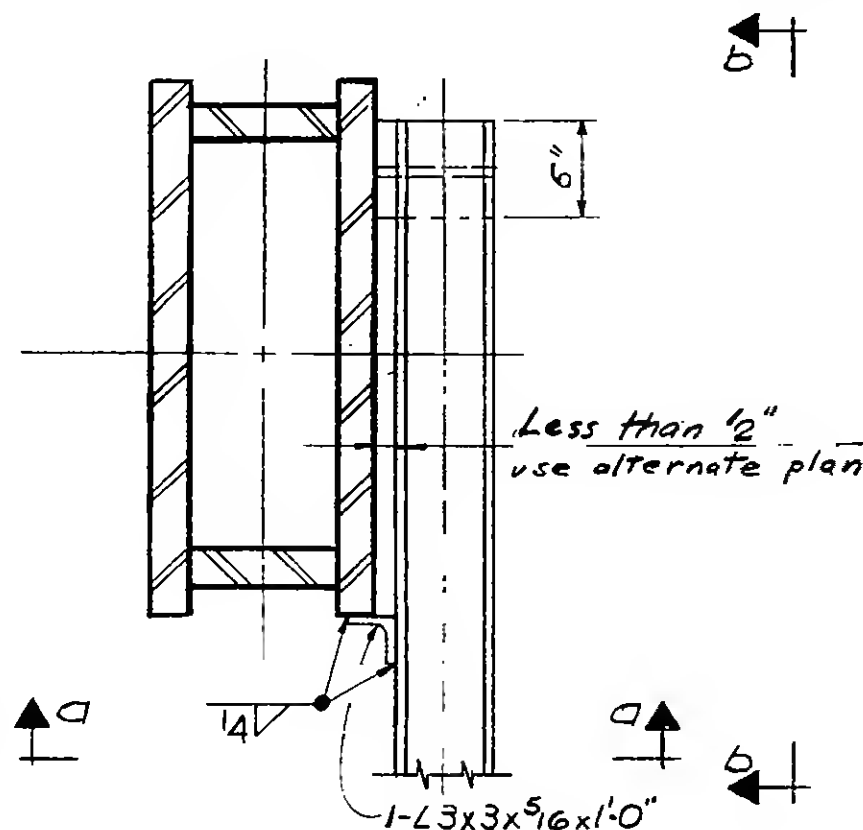
REVISIONS

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9-29-67

11-14-67

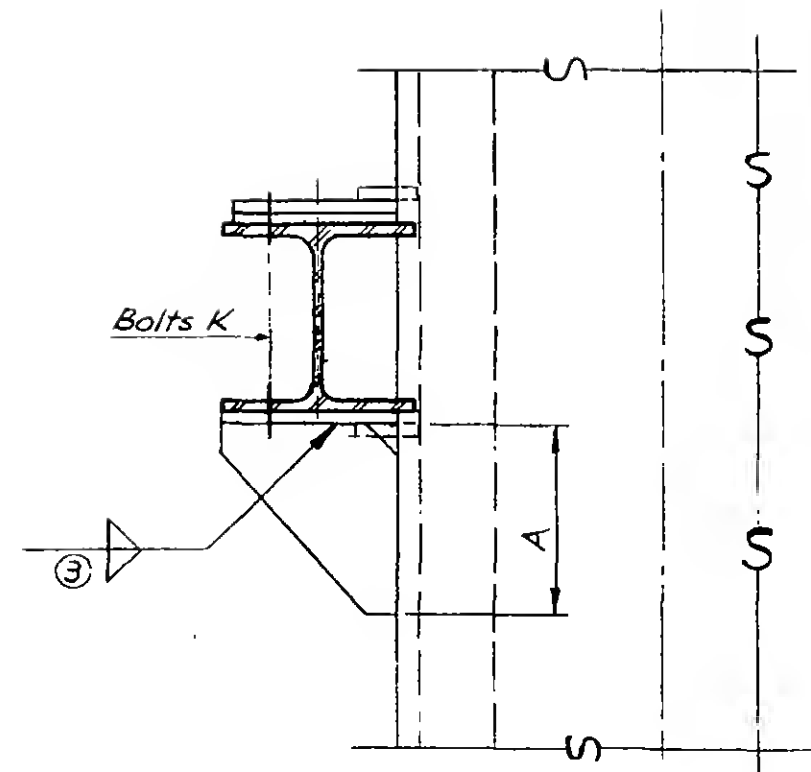
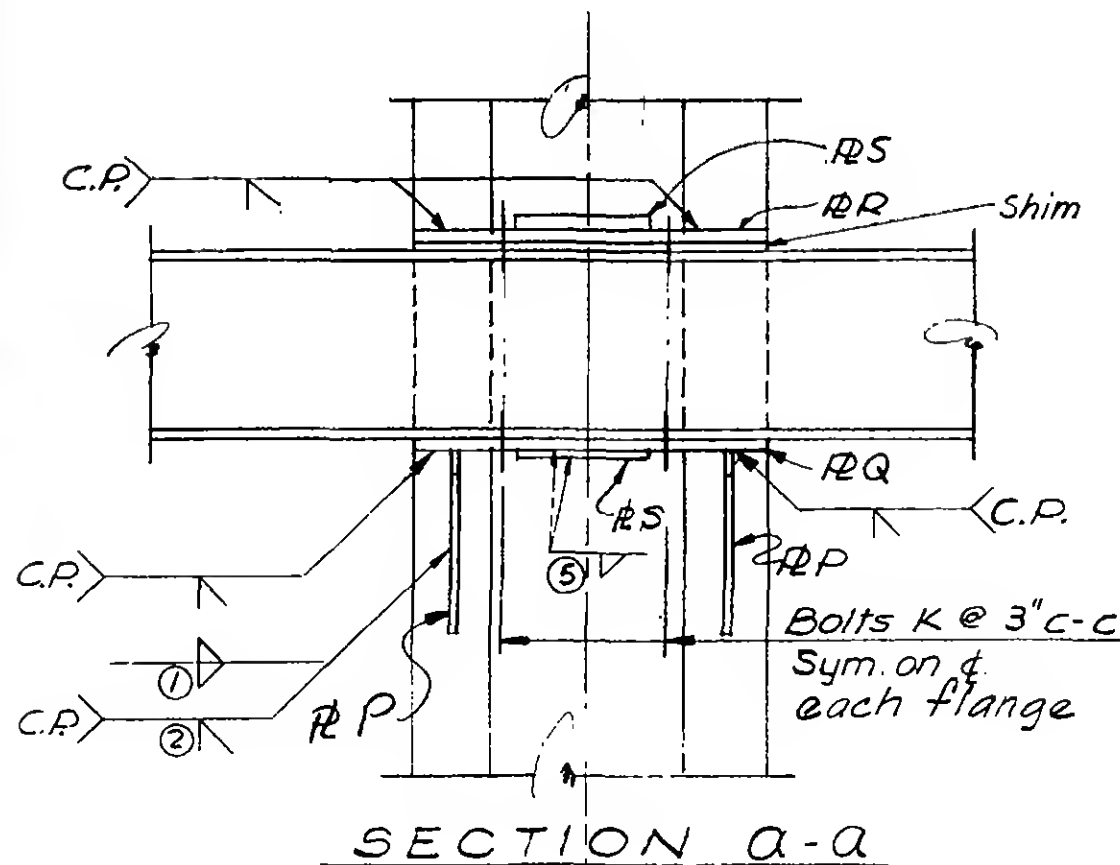
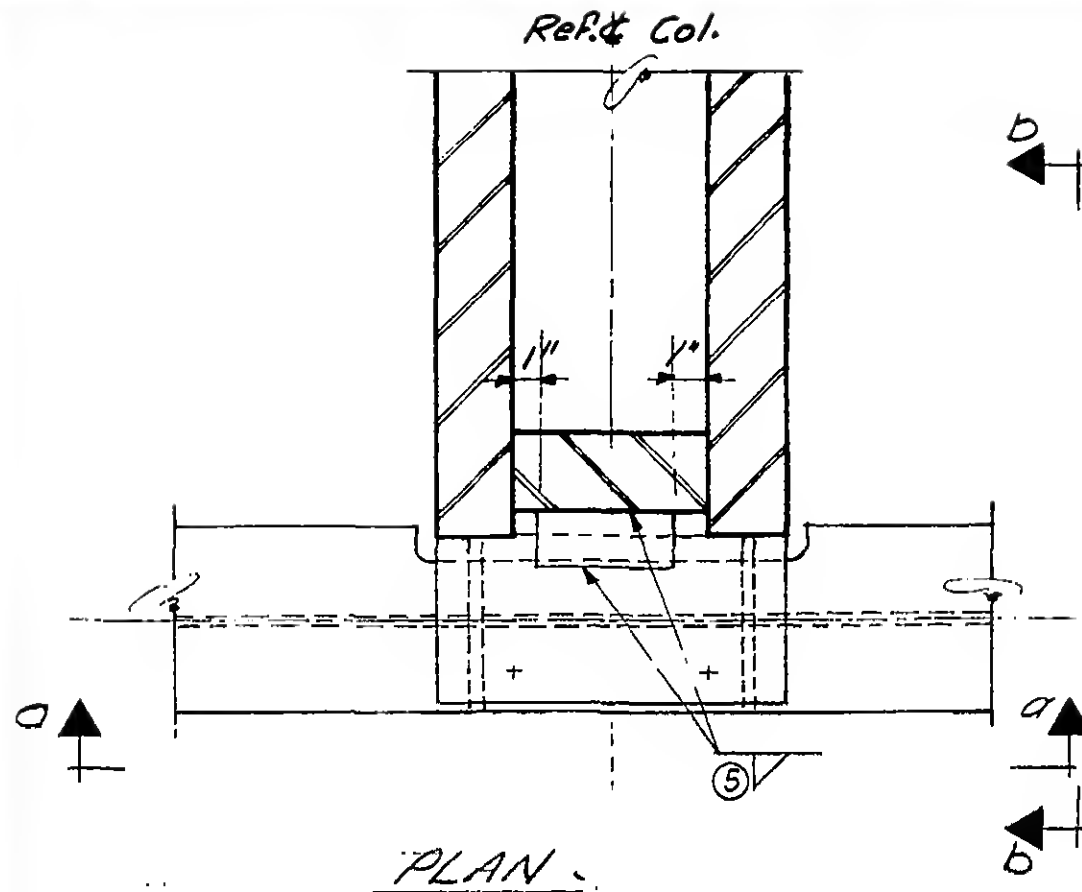
12-21-67



G-ABI-135

REVISIONS

6-30-67



G-ABI-136



WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 329 A

DATE 6-30-67

REVISIONS

7-28-67

	329 A					
PLATES						
P	78"					
Q	1 1/4"					
R	1 1/4"					
S	3" x 5 1/16"					
DIMENSIONS						
A	120"					
BOLTS						
K	4-3/4" φ (A325)					
WELDS						
②	C.P.					
③	5/16					
⑤	5/16					

6-AB1-136.1



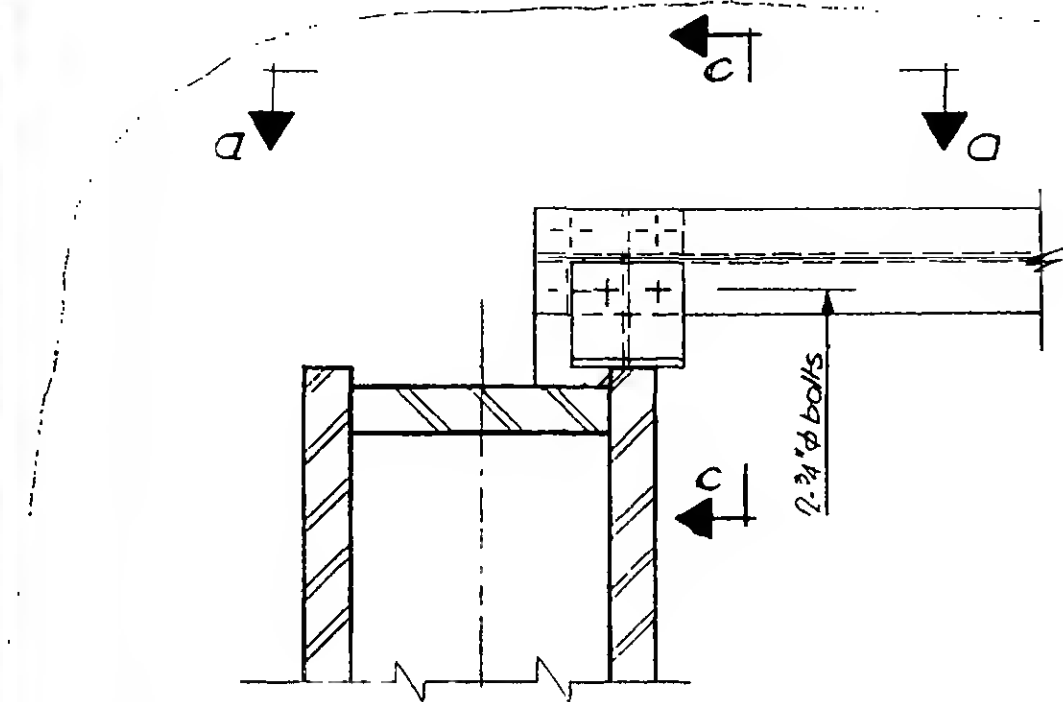
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 330(A,B,C)

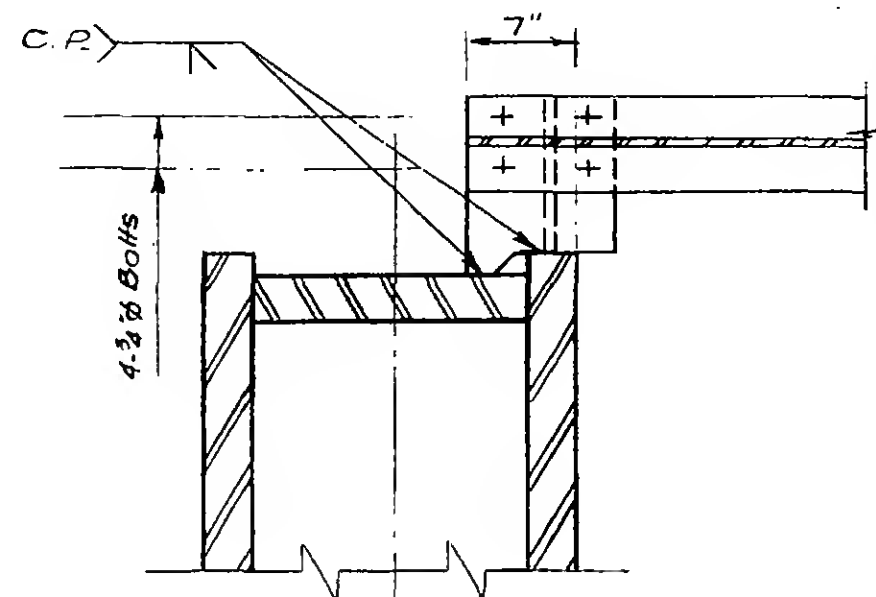
DATE 5-22-67

REVISIONS

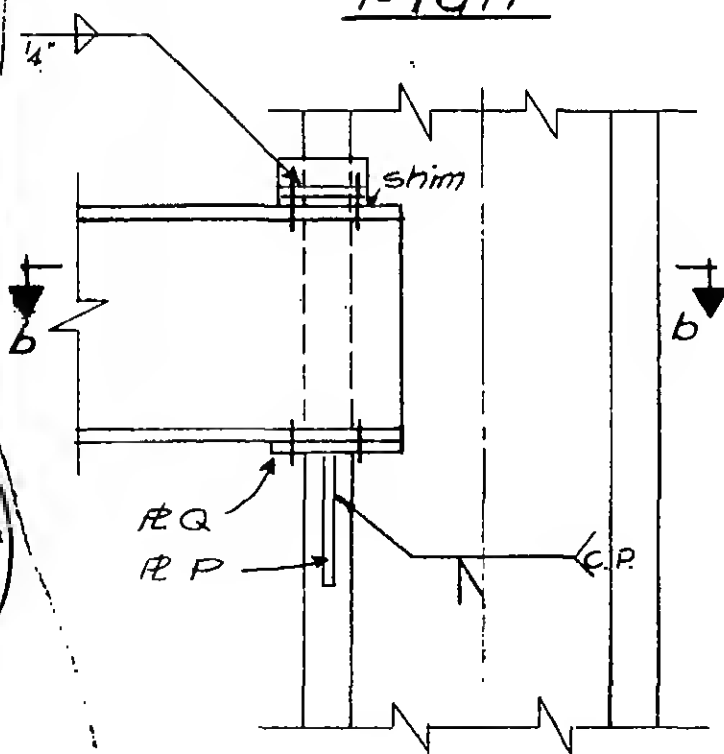
10-2-67



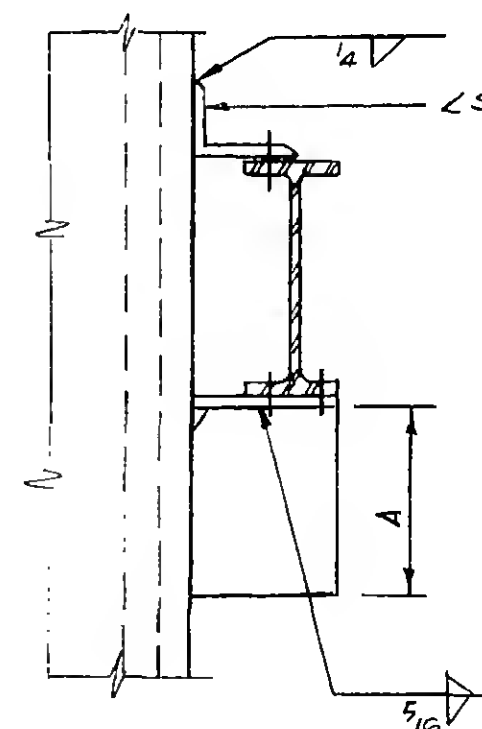
Plan



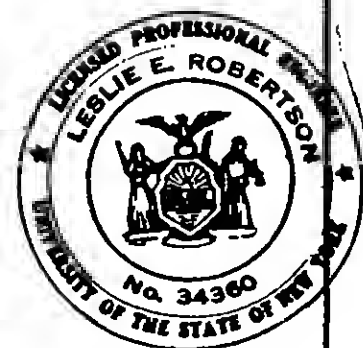
Section b-b



Section a-a



Section c-c



Structural & Civil Engineers

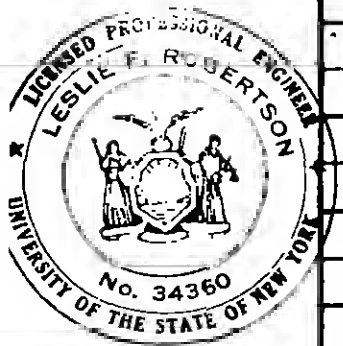
THE WORLD TRADE CENTER

SCHEDULE FOR DETAIL 330 A,B,C.

DATE 10-2-67

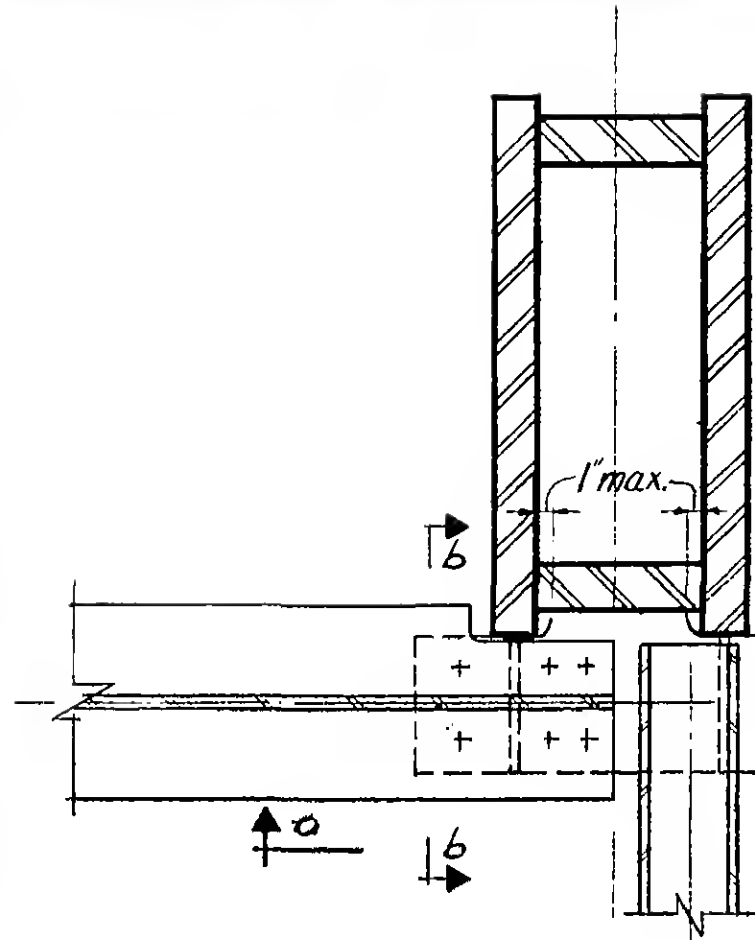
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6-AB1-137.1

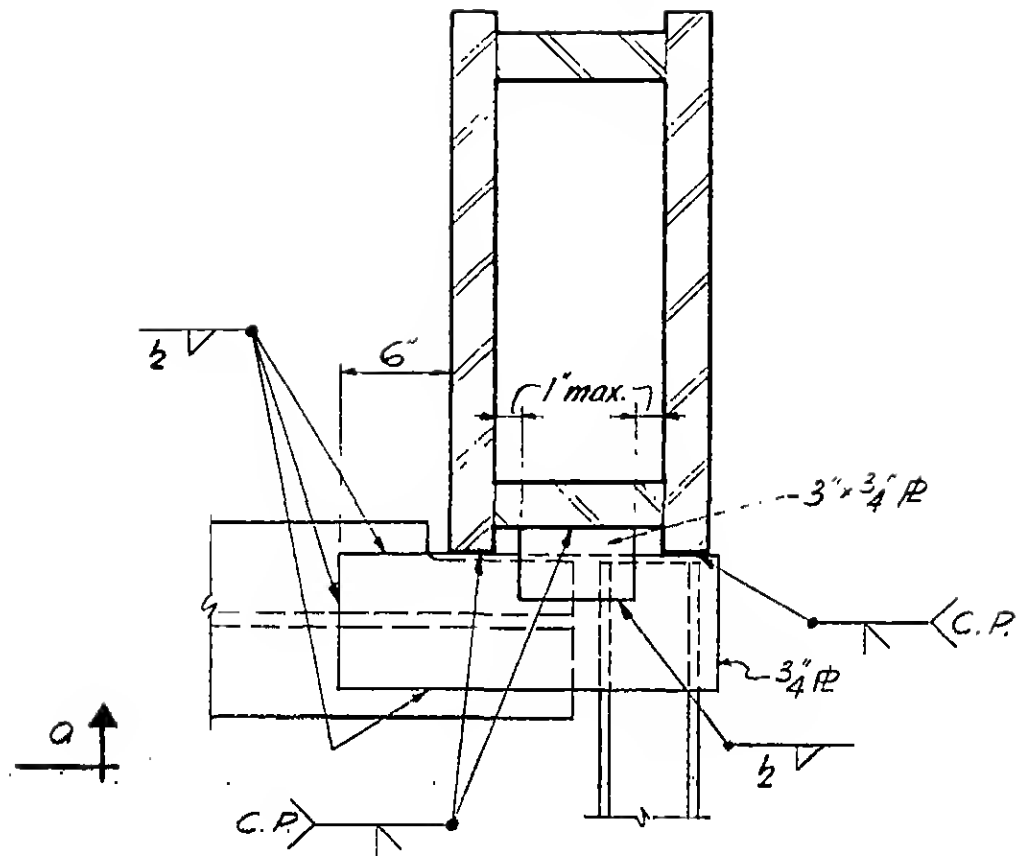


REVISIONS

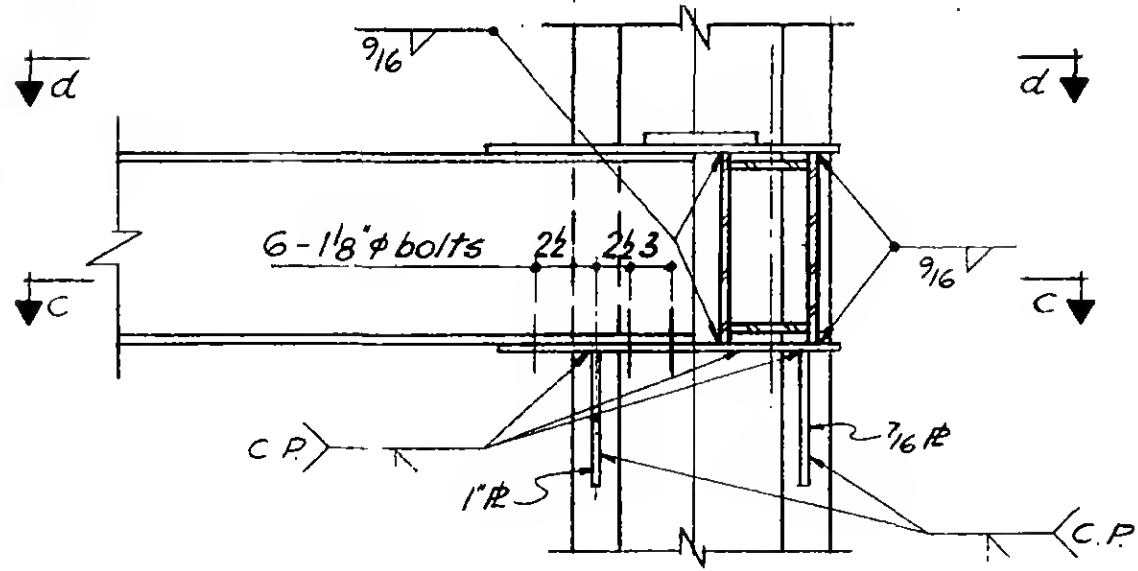
7-28-67



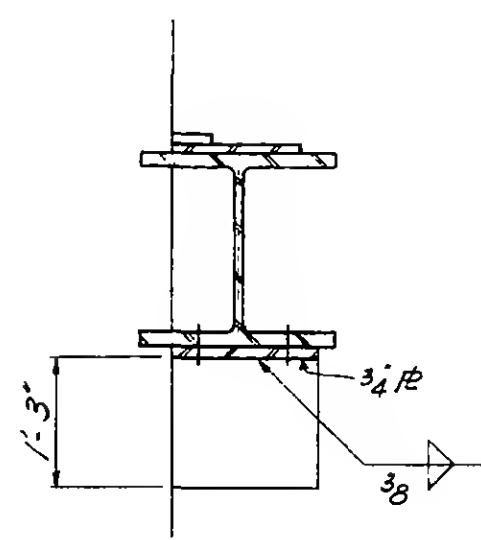
Plan c-c



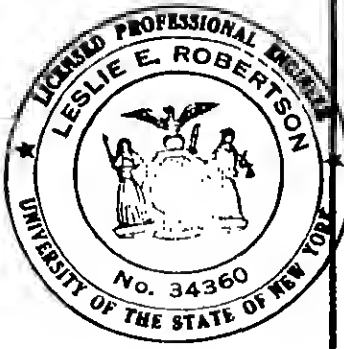
Plan d-d



Section a-a



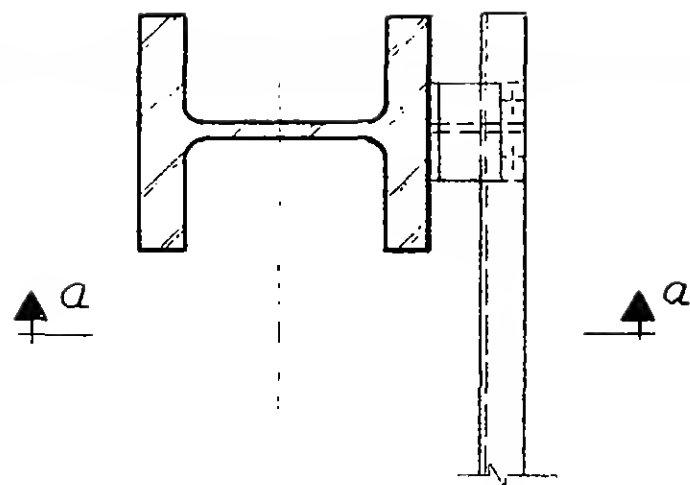
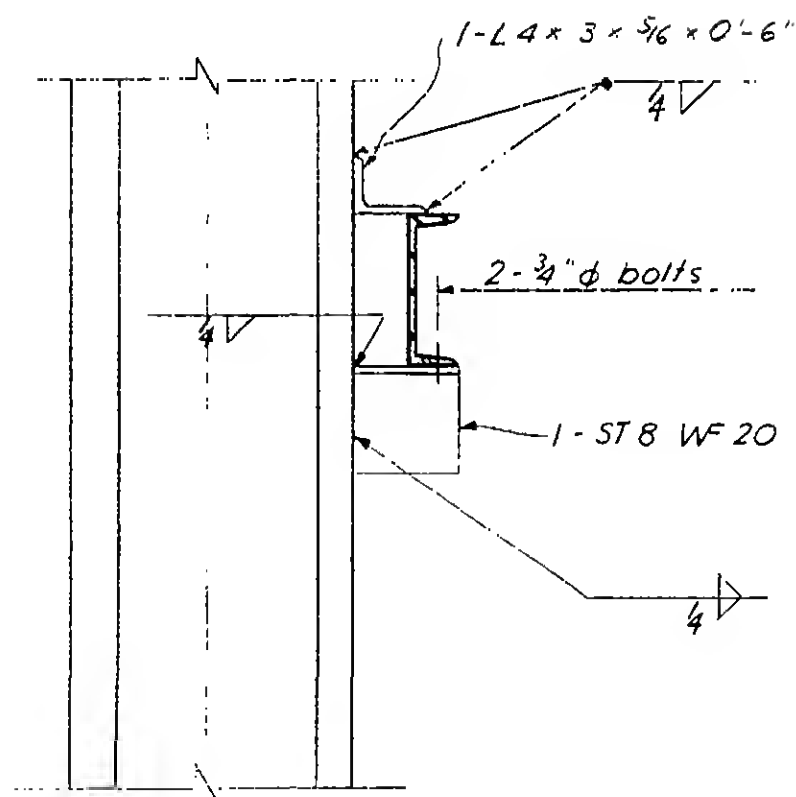
Section b-b



REVISIONS

-5-67

11-16-67

PlanSection a-a

PROJECT

THE WORLD TRADE CENTER

TITLE

CONNECTION DETAIL 334 A, B, C & D

DATE

6-5-67

REVISIONS

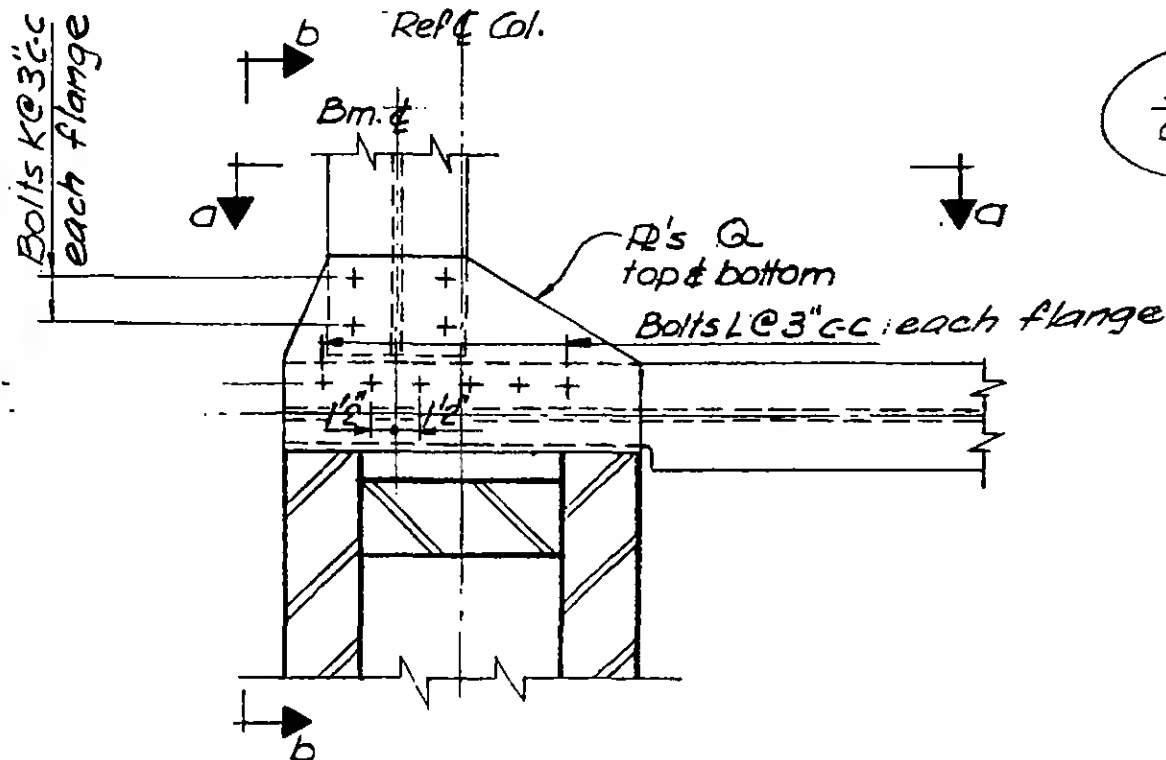
6-30-67

7-28-67

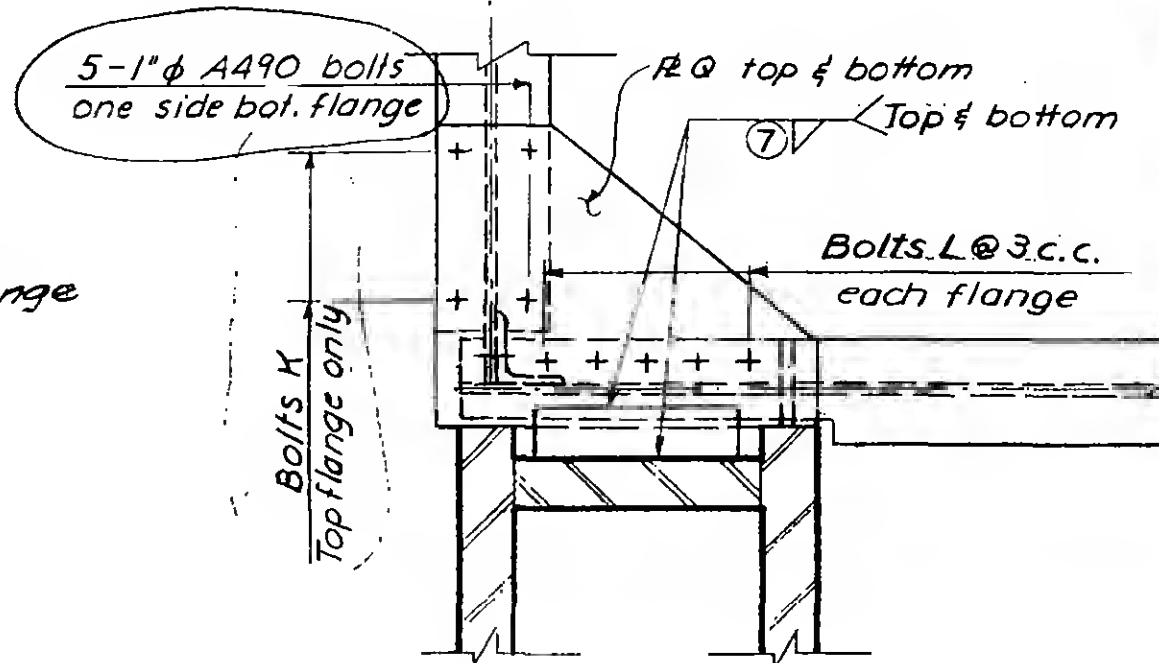
9-15-67

11-10-67

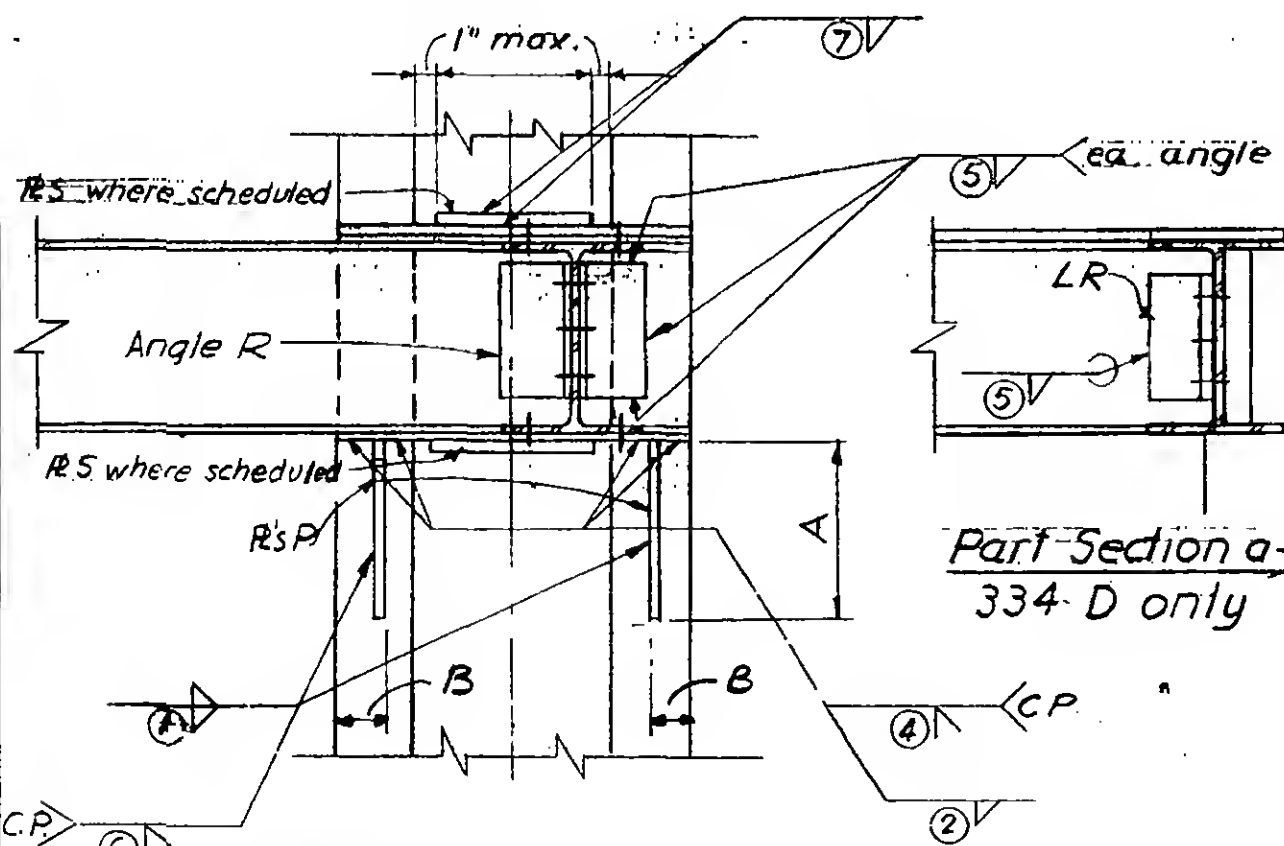
5-6-68



Plan

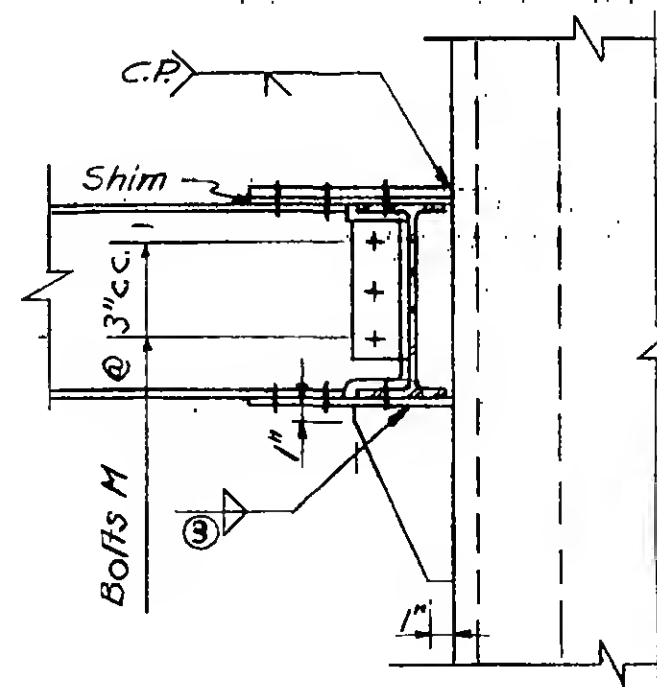


Plan
334 D only

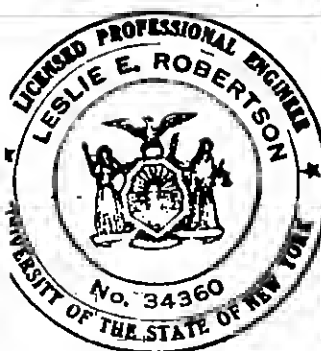


Section a-a

Part Section a-a
334-D only



Section b-b



PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 334 A-D

DATE 6-30-67

REVISIONS

7-28-67

9-15-67

11-10-67

	334 A	334 B	334 C	334 D		
PLATES						
P	6" x 1/2"	6" x 1/2"	6" x 5/8"	6" x 3/4"		
Q	3/4"	3/4"	3/4"	3/4"		
S	—	—	—	3/8"		
ANGLES						
R	3 1/2 x 3 x 3/8 x 0'-6"	3 1/2 x 3 x 3/8 x 0'-8 1/2"	3 1/2 x 3 x 7/16 x 0'-10"	4 x 3 x 3/8		
DIMENSIONS						
A	1'-0"	1'-0"	1'-0"	1'-2"		
B	0'-2"	0'-2"	0'-2"	—		
BOLTS						
K	4-1"φ	2-3/4"φ	4-1"φ	8-7/8"φ		
L	6-7/8"φ	6-7/8"φ	6-7/8"φ	5-1/8"φ (A490)		
M	2-3/4"φ	2-3/4"φ	3-3/4"φ	8-3/4"φ		
WELDS						
①	1/2	1/2	1/2	—		
②	—	—	—	—		
③	5/16	5/16	1/2	5/16		
④	C.P.	C.P.	C.P.	C.P.		
⑤	5/16	5/16	3/8	5/16		
⑥	—	—	—	C.P.		
⑦	—	—	—	5/16		

G-AB1-141.1

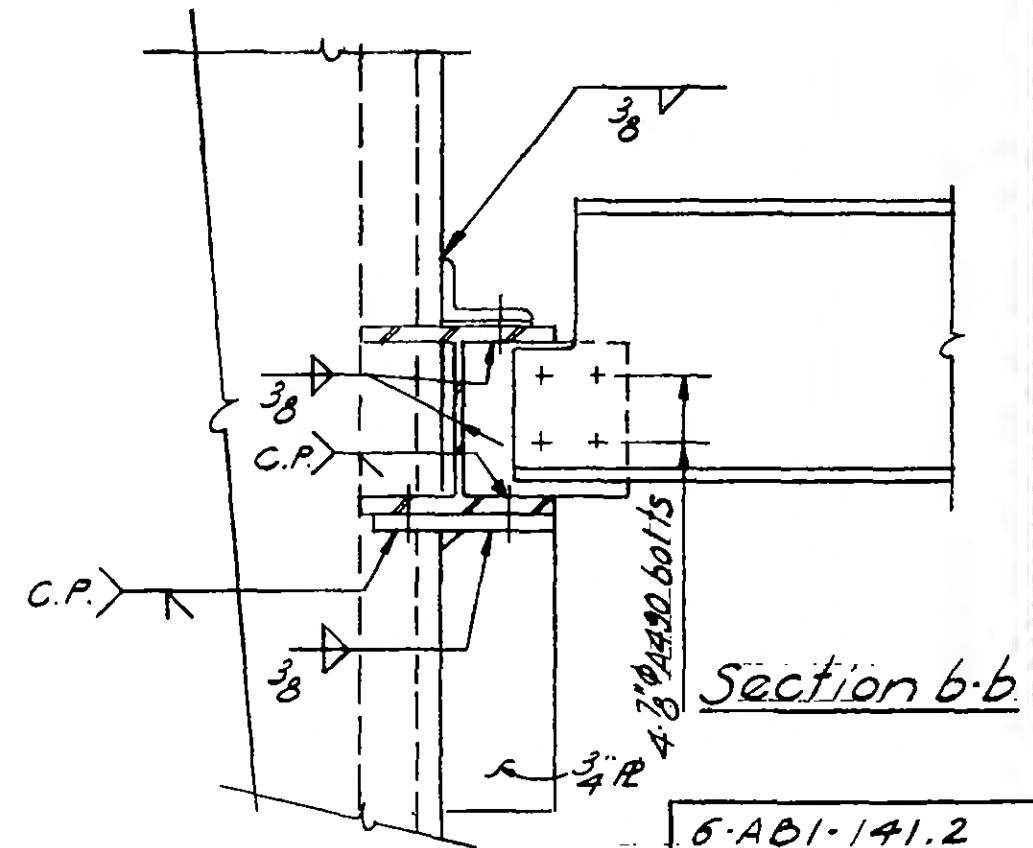
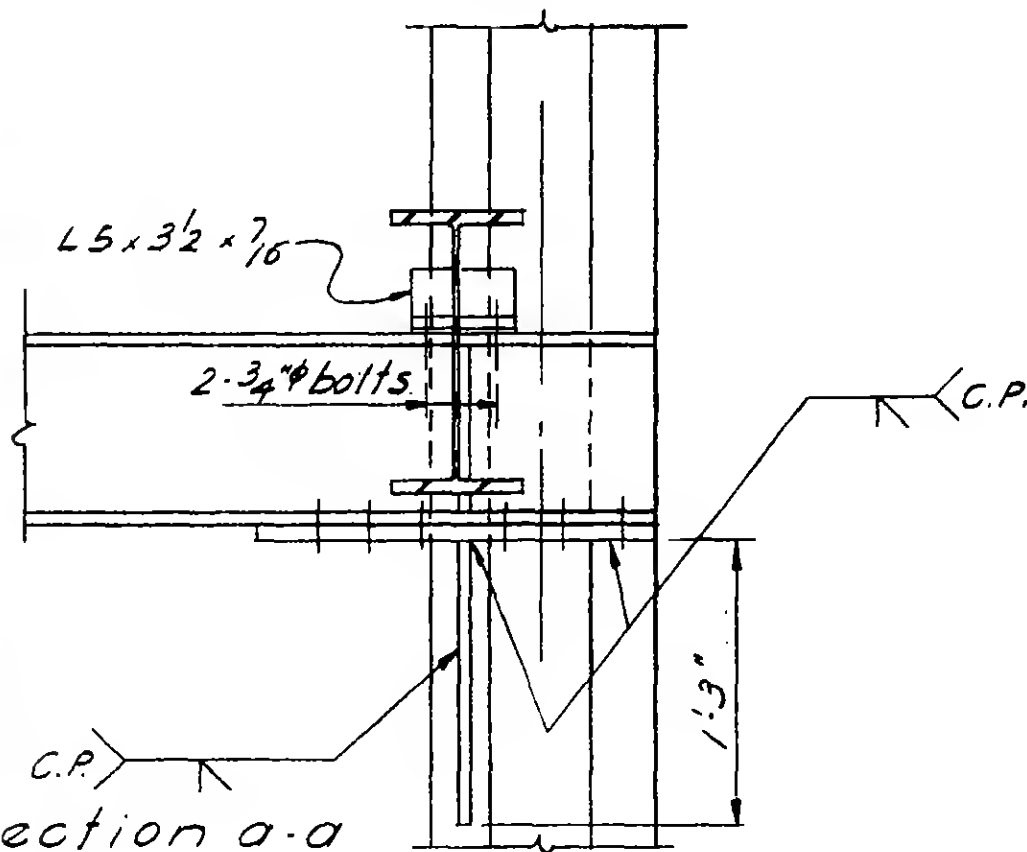
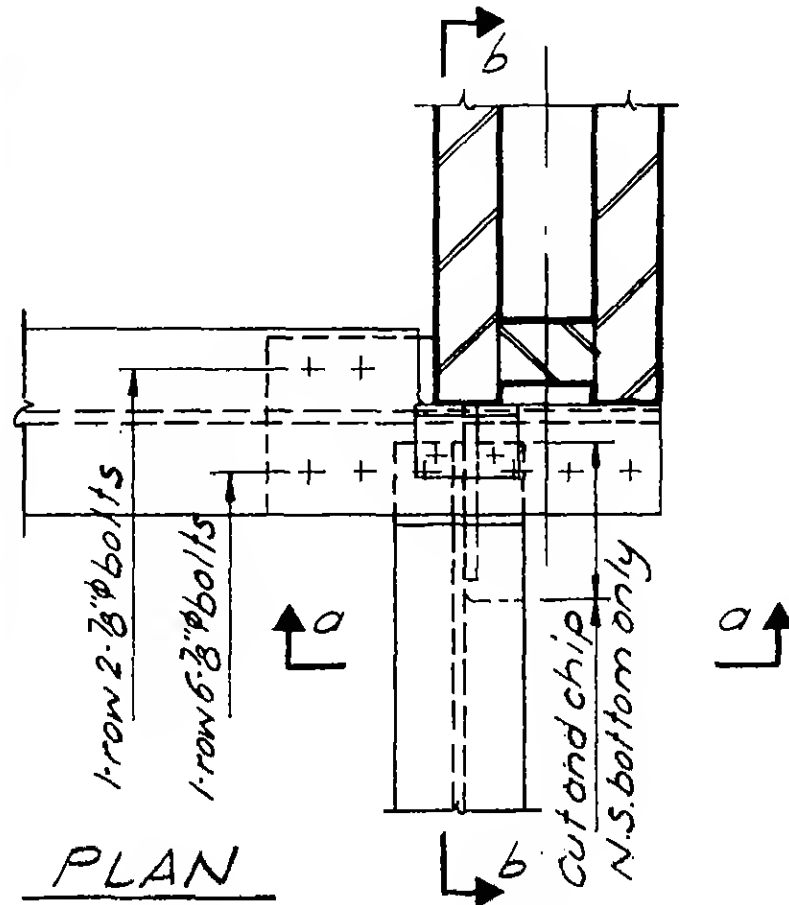


PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 334 E

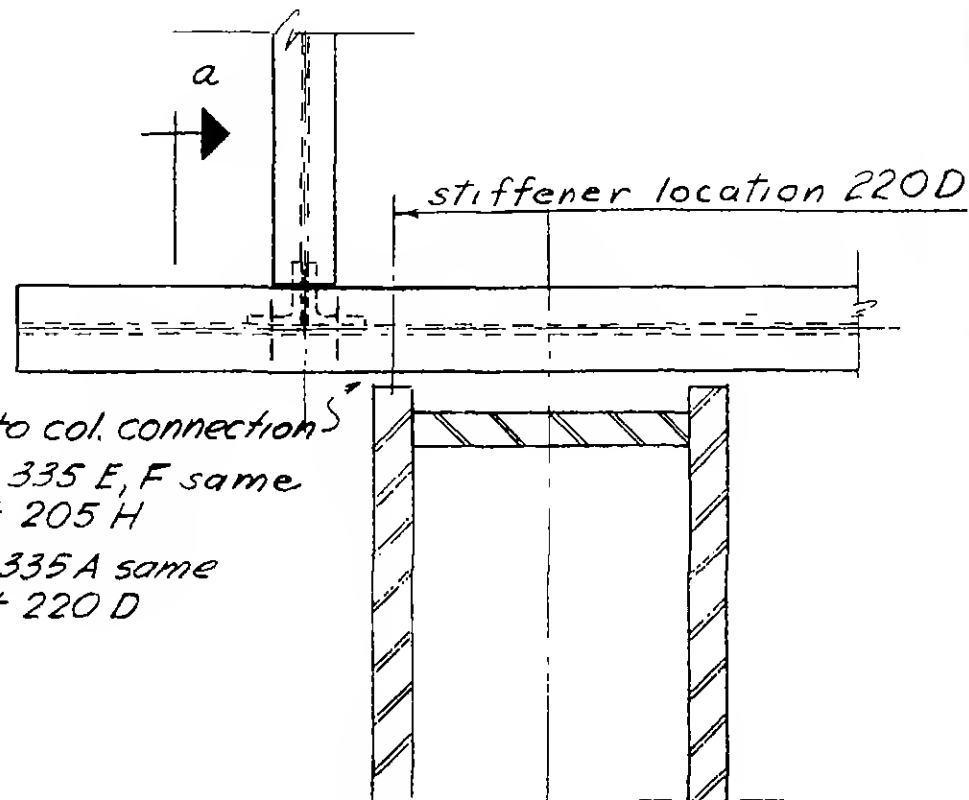
DATE 2-9-68

REVISIONS



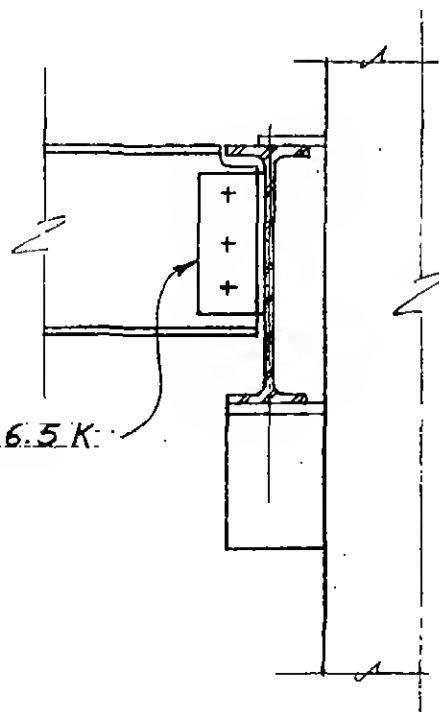
REVISIONS

7-28-67
10-2-67

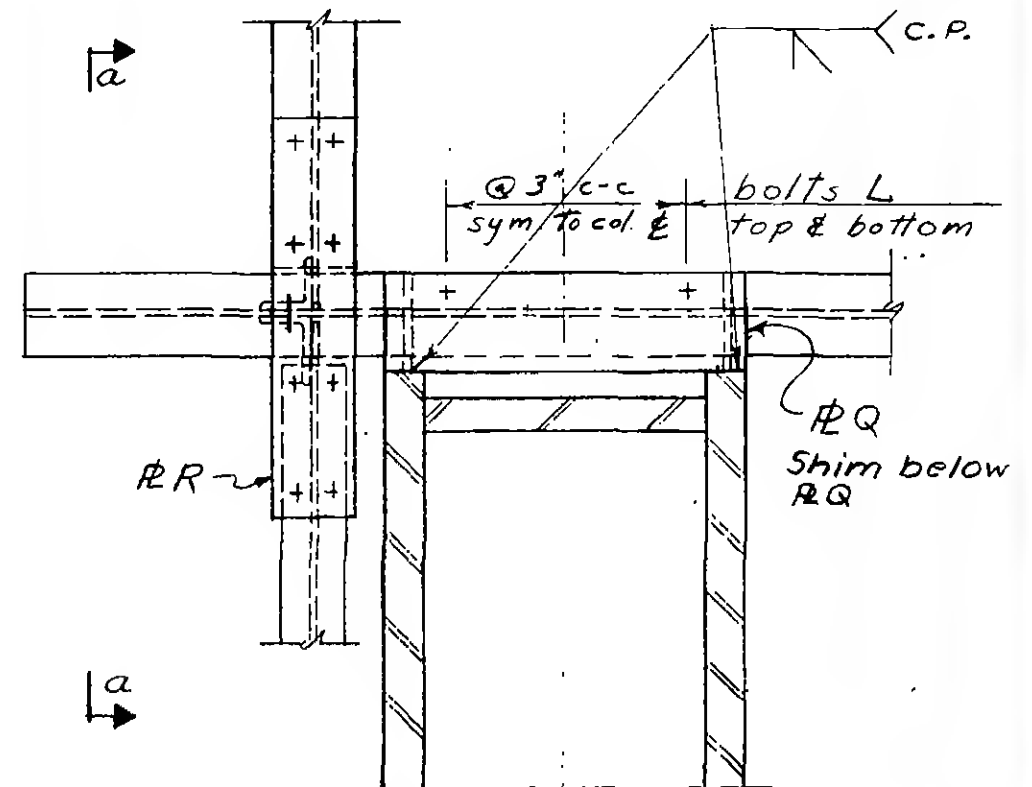


NOTE:
Beam to col. connection
Detail 335 E, F same
as Det. 205 H
Detail 335 A same
as Det. 220 D

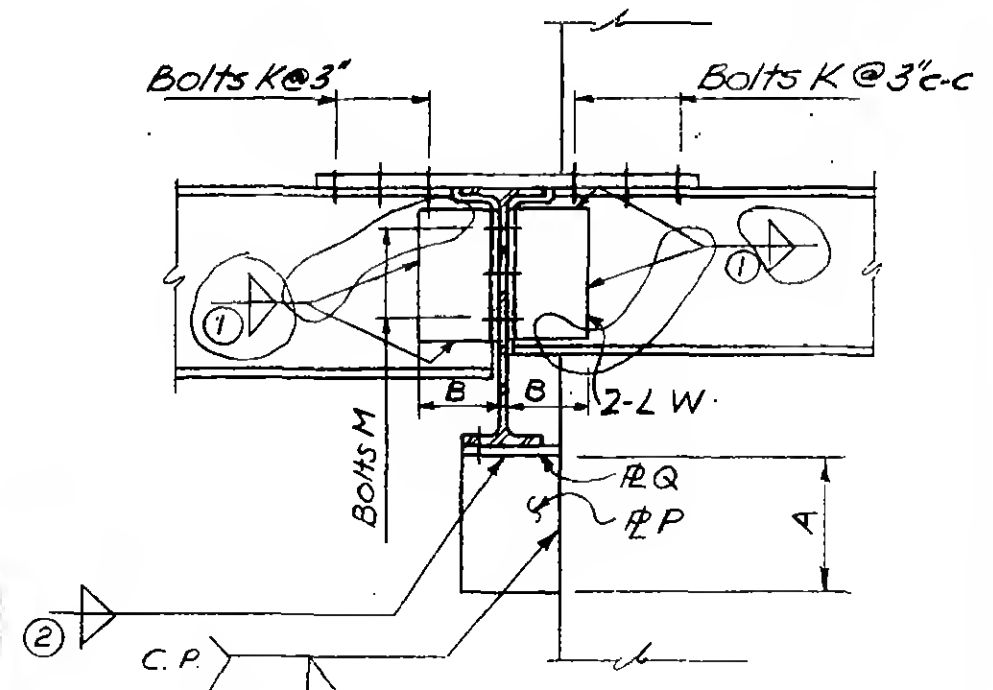
Plan of detail 335 A, E, F



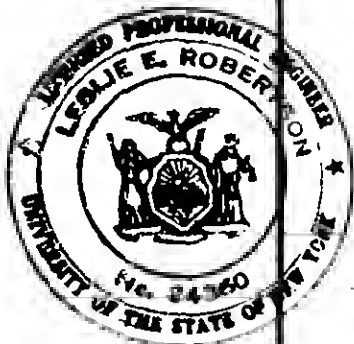
Section a-a



Plan of detail 335 C, D, K



Section a-a



PROJECT

THE WORLD-TRADE-CENTER

TITLE

CONNECTION DETAIL 335-B,P

DATE

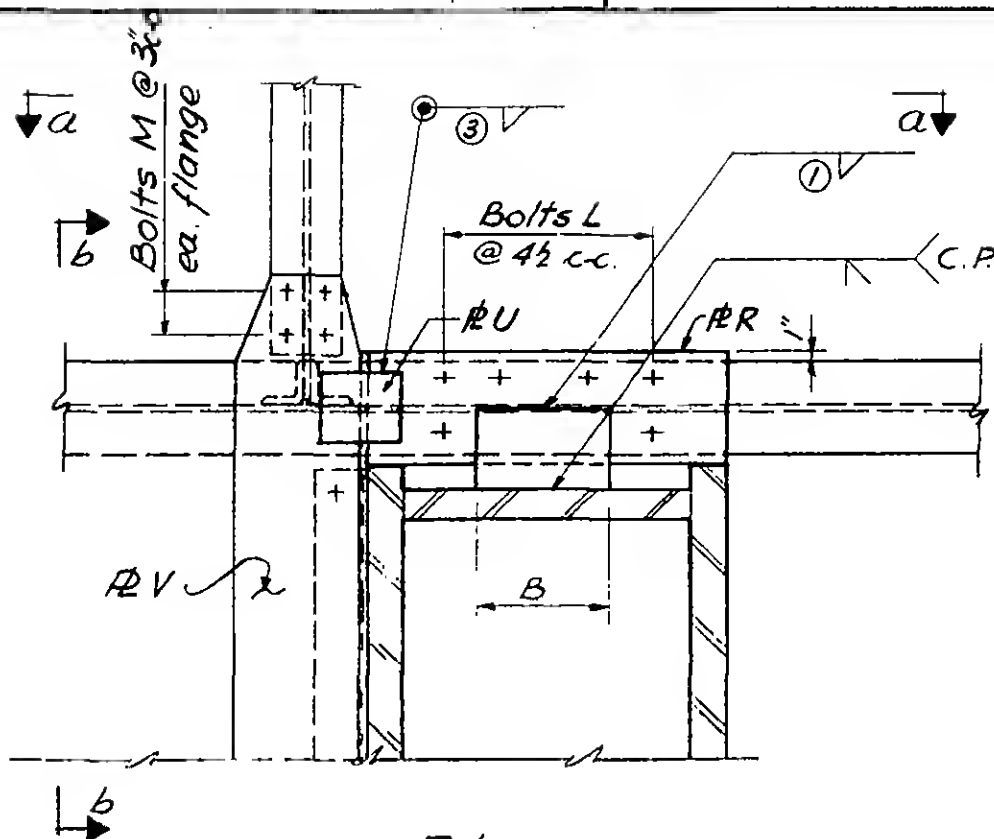
7-28-67

REVISIONS

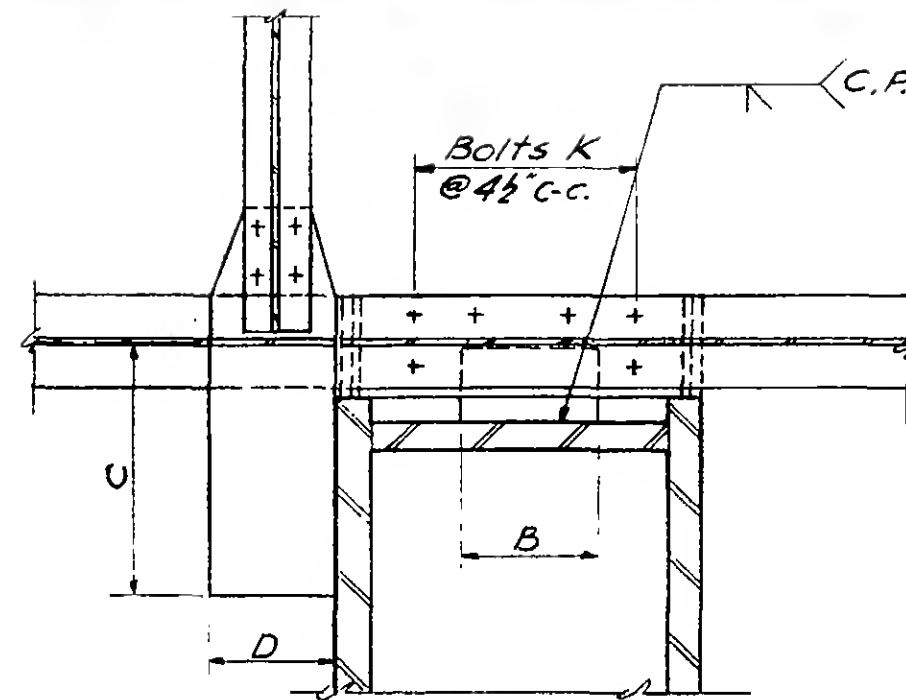
8-14-67

9-15-67

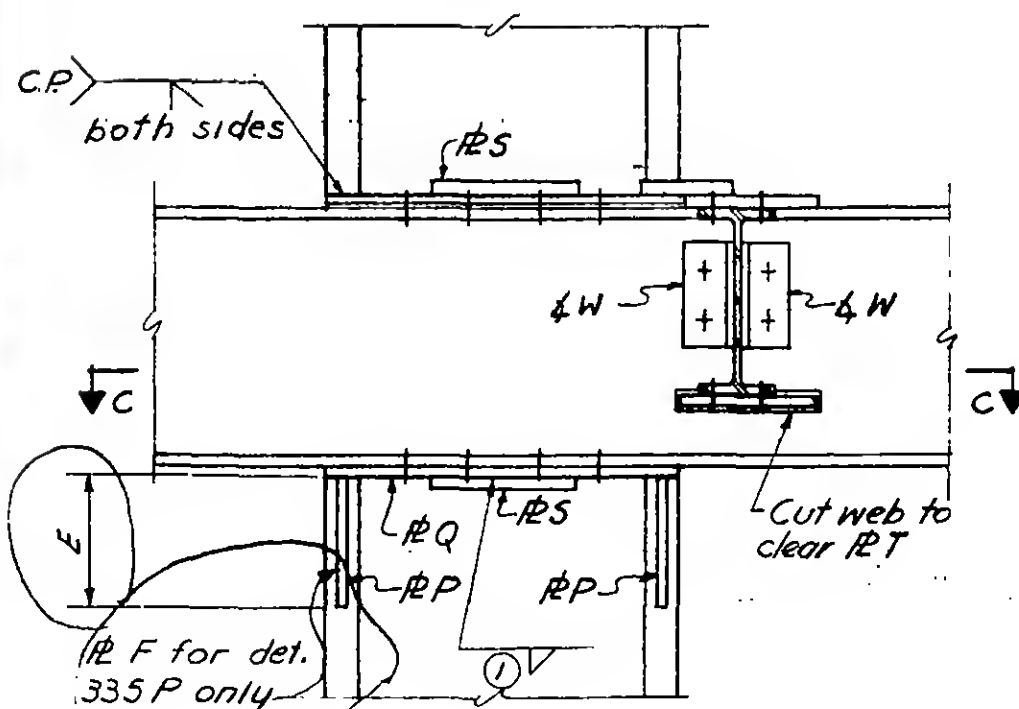
10-2-67



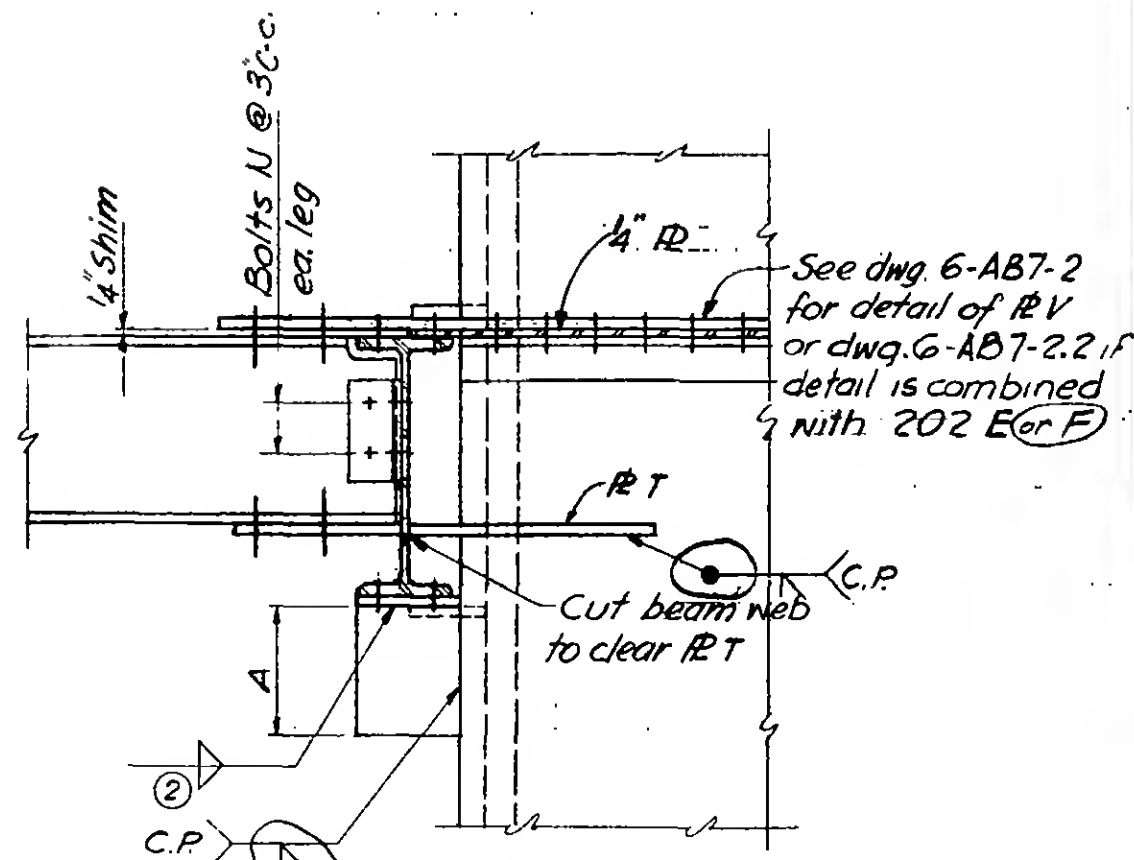
Plan



Plan Section c-c



Section a-a



Section b-b

See dwg. 6-AB7-2 for detail of R V or dwg. 6-AB7-2.2 if detail is combined with 202 E or F

6-AB1-142.1



PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 335 ABCDEF & G

DATE 7-28-67

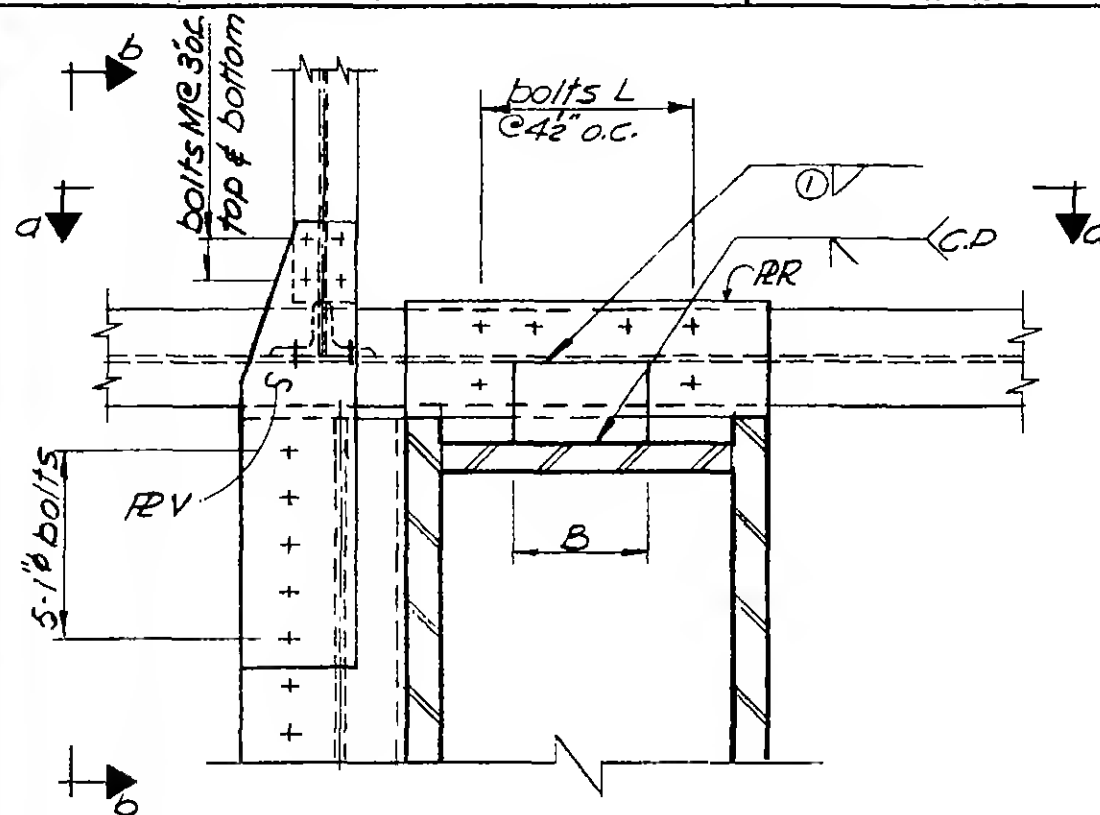
REVISIONS

8-14-67
9-15-67
10-2-67
10-31-67
11-17-67

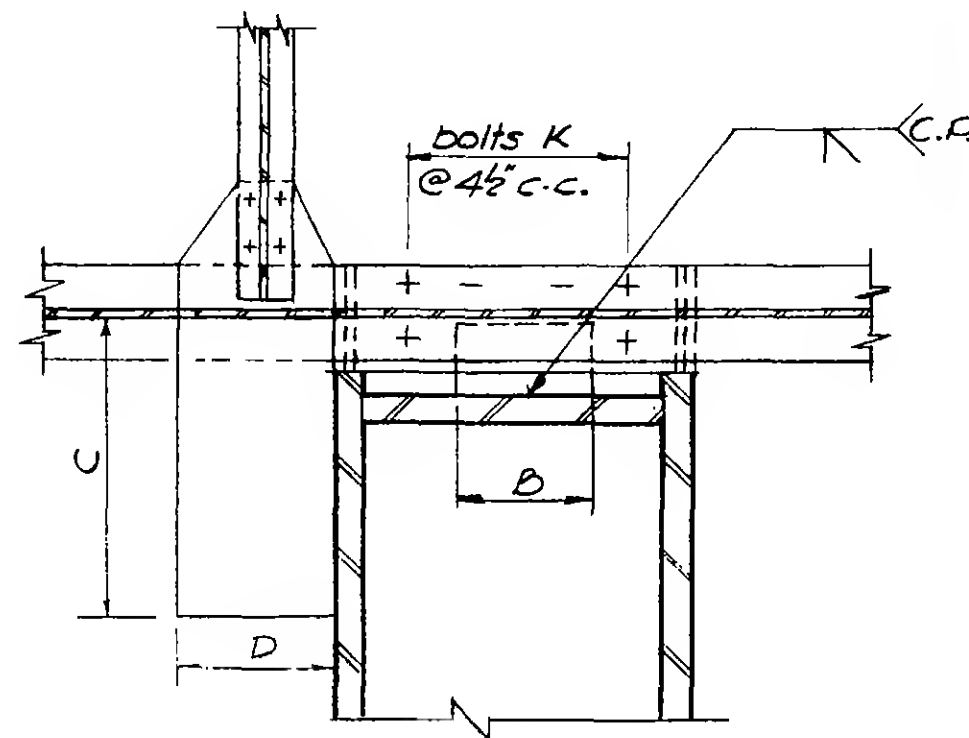
REF. DWGS.	G-ABI-142	G-ABI-142.1	G-ABI-142	G-ABI-142	G-ABI-142	G-ABI-142.3
	335 A	335 B	335 C	335 D	335 E, F	335 G
PLATES	See DWG.				See DWG.	
P	G-ABI-142	1/2"	3/8"	5/8"	G-ABI-142	1/2"
Q		3/8"	3/4"	3/4"		5/8"
R		3/4"	5/8"	5/8"		3/4"
S		1/2"	—	—		1/2"
T		3/4"	—	—		3/4"
U		7/8"	—	—		—
V		8x3/4"	—	—		3/4"
ANGLE						
W		4x3 1/2 x 5/16 x 0'-6"	4x3 x 3/8 x 0'-8 1/2"	4x3 x 3/8 x 0'-8 1/2"		4x3 1/2 x 5/16 x 0'-6"
DIMENSIONS						
A		0'-8"	1'-0"	1'-2"		0'-8"
B		0'-9"	0'-3'	0'-3'		0'-9"
C		1'-6 1/2"	—	—		1'-6 1/2"
D		0'-8"	—	—		0'-8"
BOLTS						
K		6-7/8" ϕ	8-3/4" ϕ	8-3/4" ϕ		6-7/8" ϕ
L		6-7/8" ϕ	4-1" ϕ	4-1" ϕ		6-7/8" ϕ
M		4-1" ϕ (A490)	3-1" ϕ	3-1" ϕ		4-1" ϕ (A490)
N		2-3/4" ϕ	—	—		2-3/4" ϕ
WELDS						
①		7/16"	4"	4"		7/16"
②		5/16"	5/16"	5/16"		5/16"
③		1/2"	—	—		—
④		5/16"	—	—		5/16"
						G-ABI-142.2



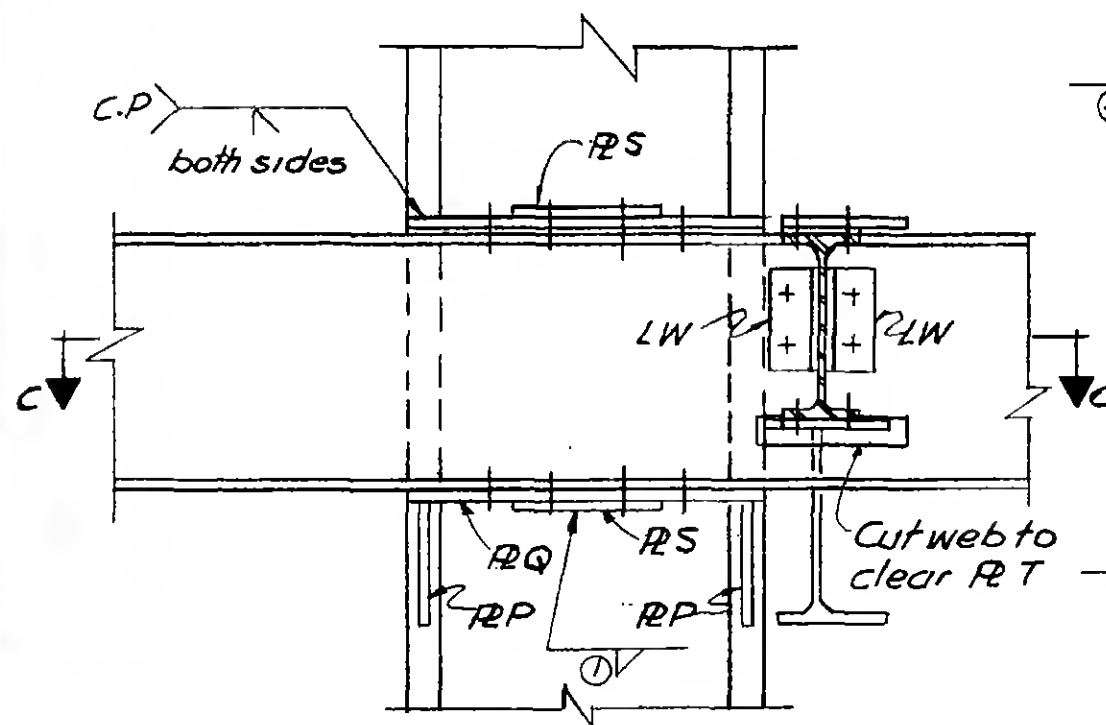
REVISIONS



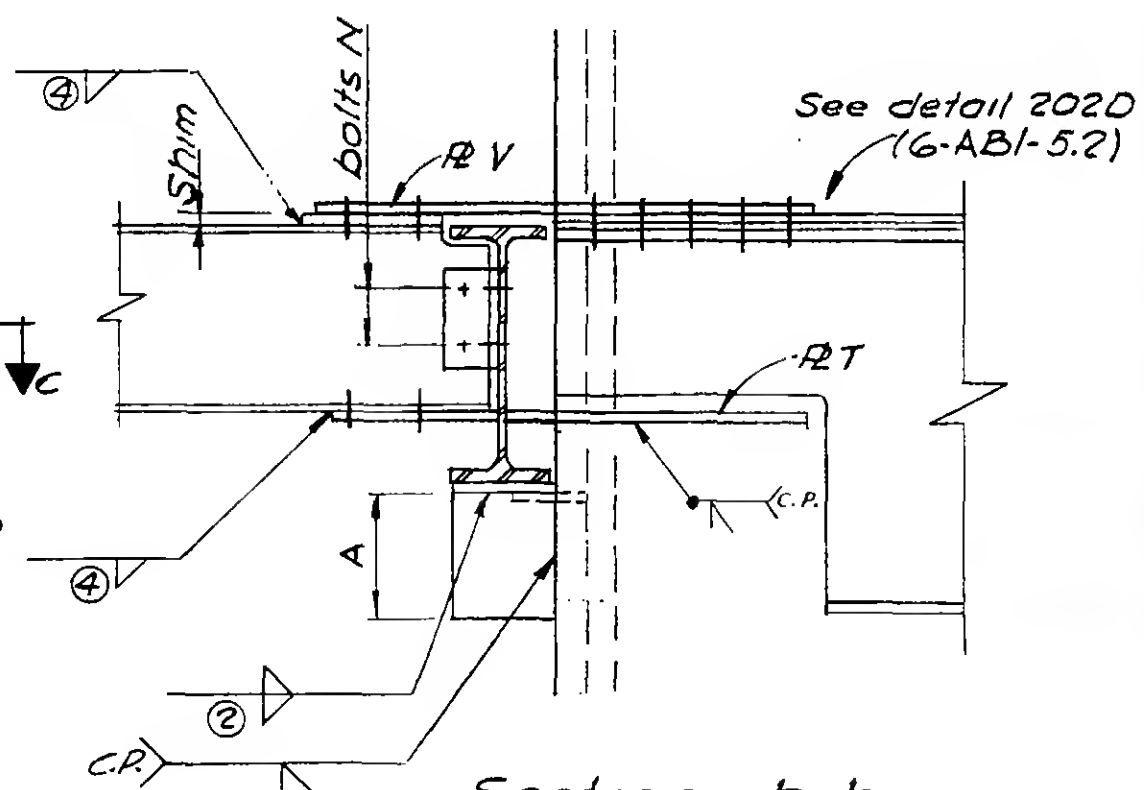
Plan



Plan Section C-C



Section a-a



Section b-b

6-AB1-142.3

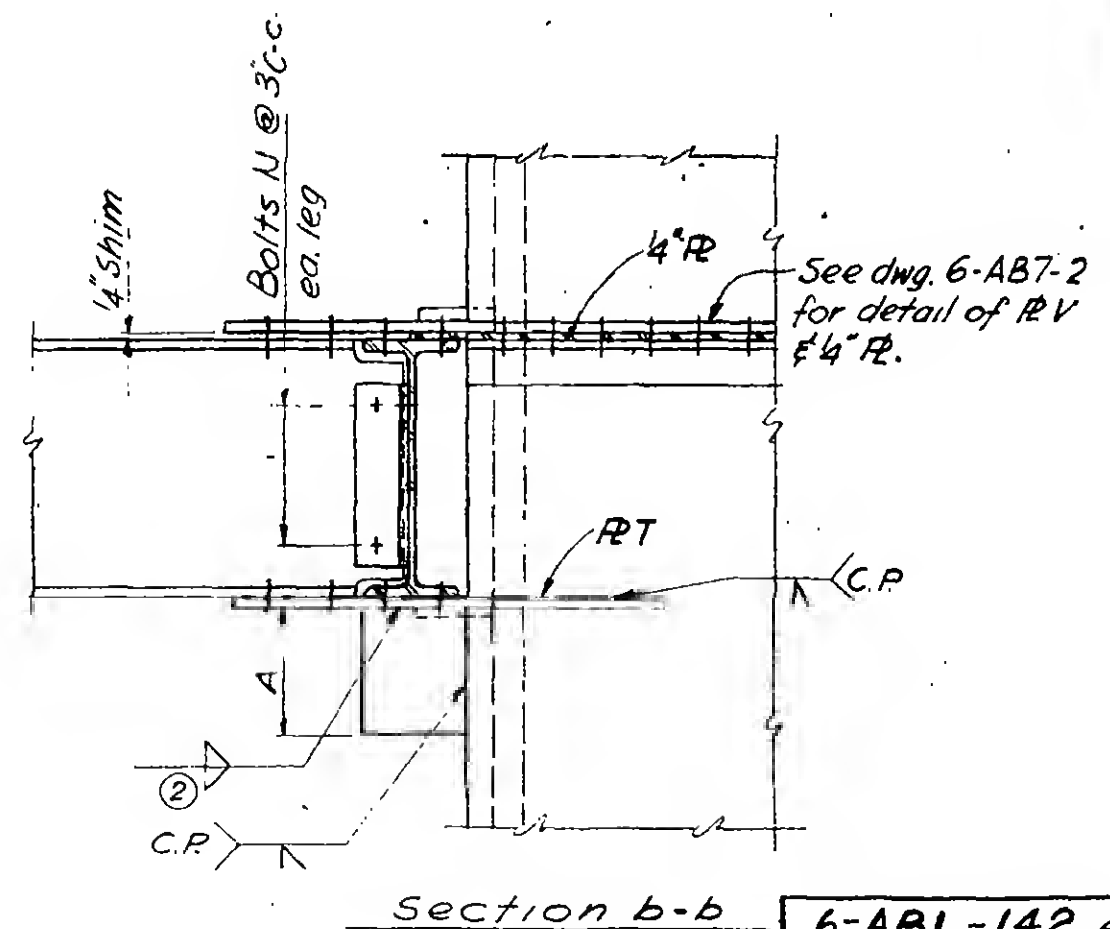
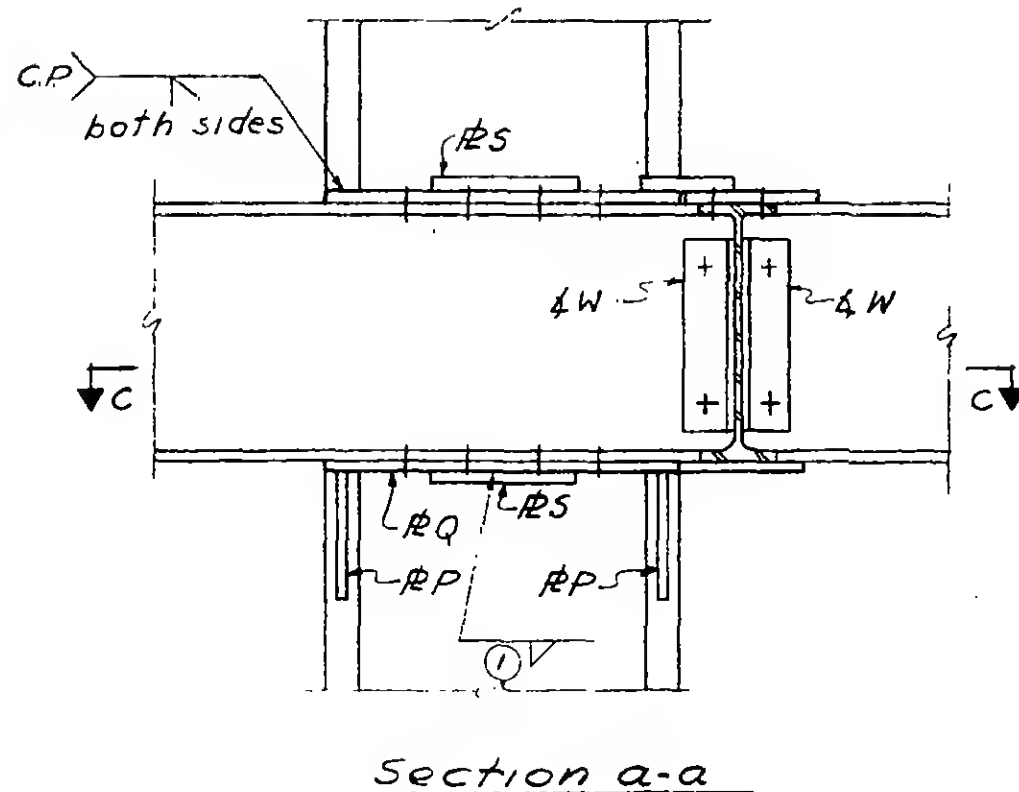
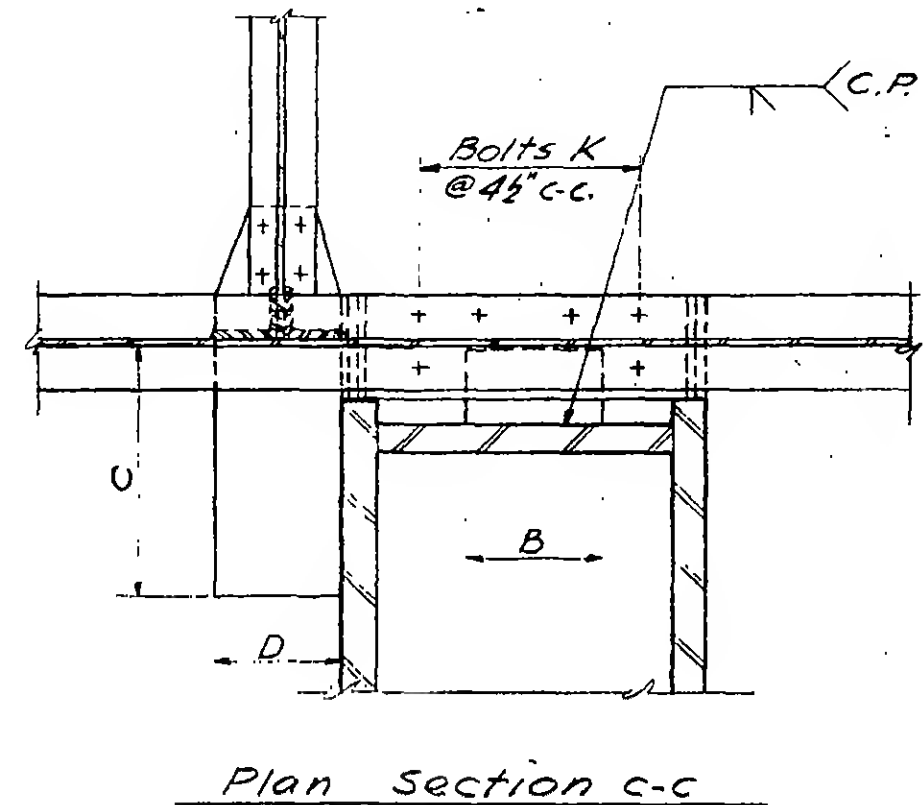
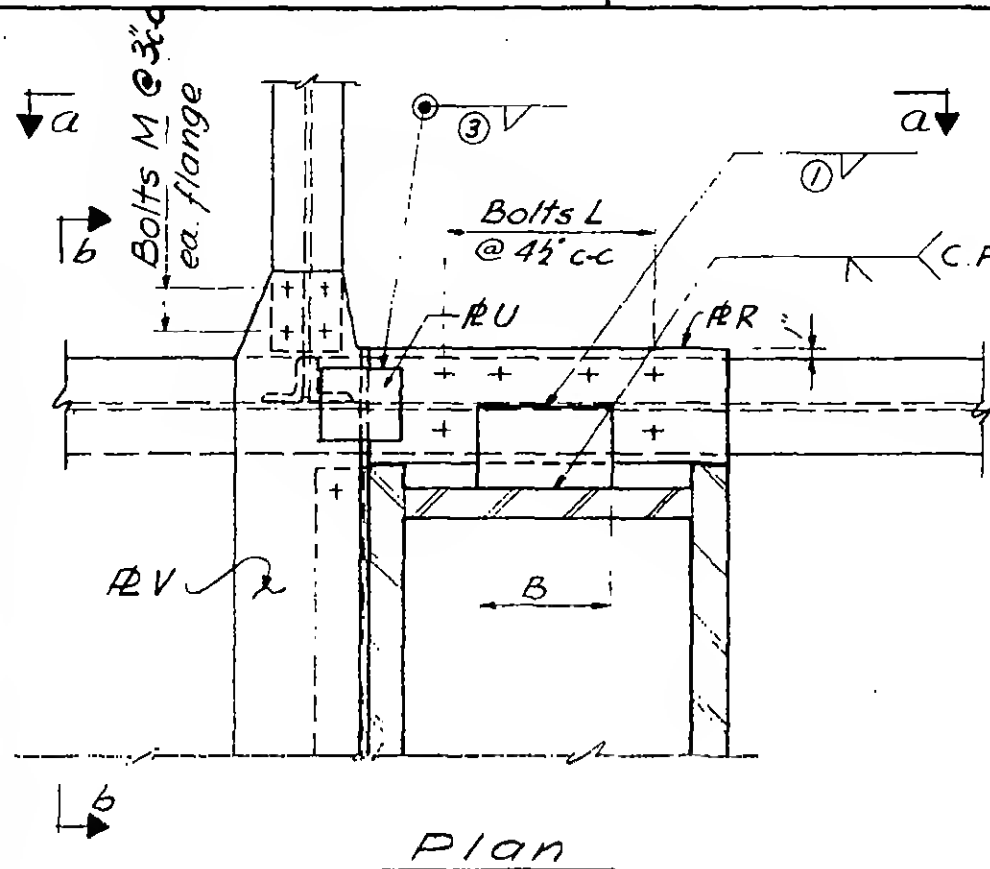


PROJECT THE WORLD TRADE CENTER

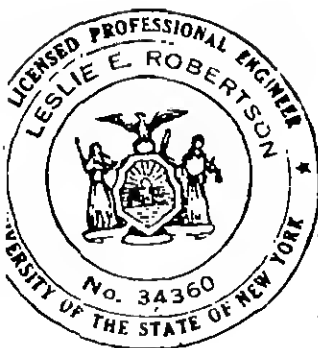
TITLE CONNECTION DETAIL 335 H

DATE 9-15-67

REVISIONS



6-AB1-142.4



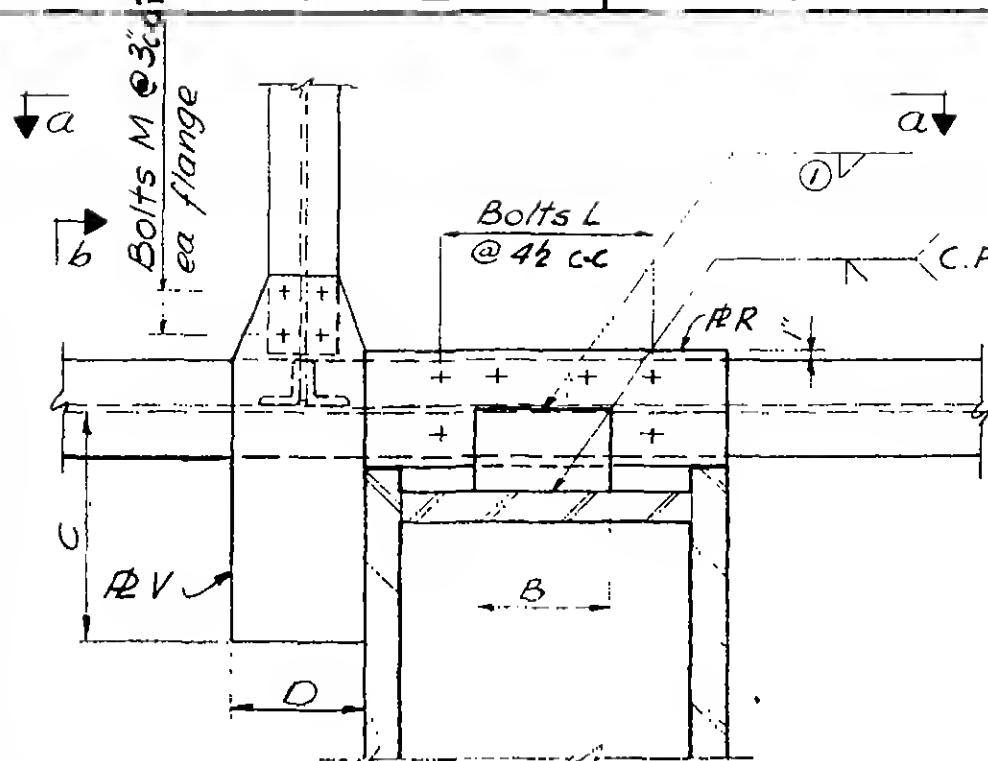
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 335 I

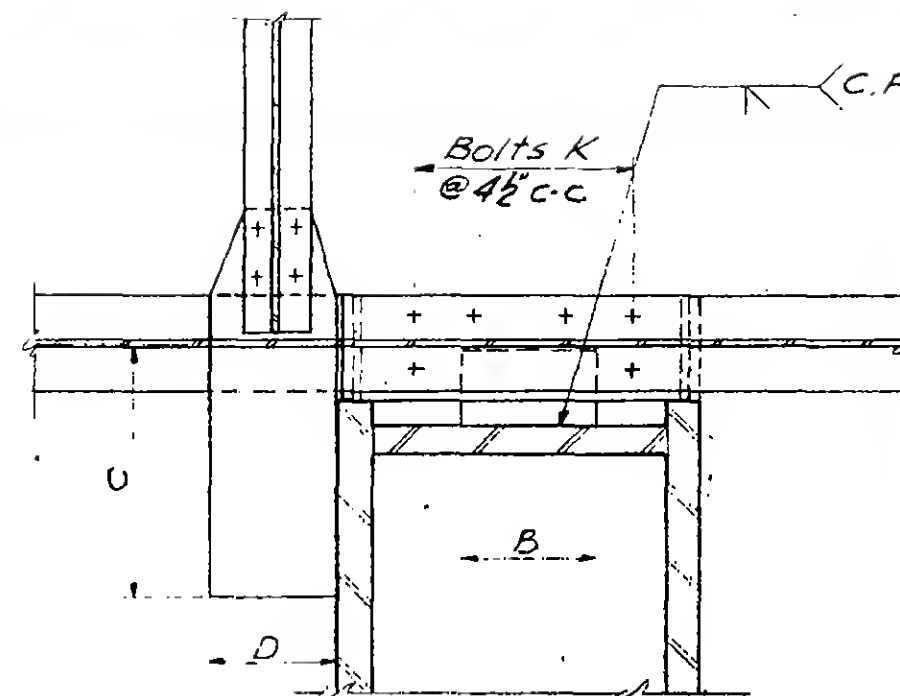
DATE 9-15-67

REVISIONS

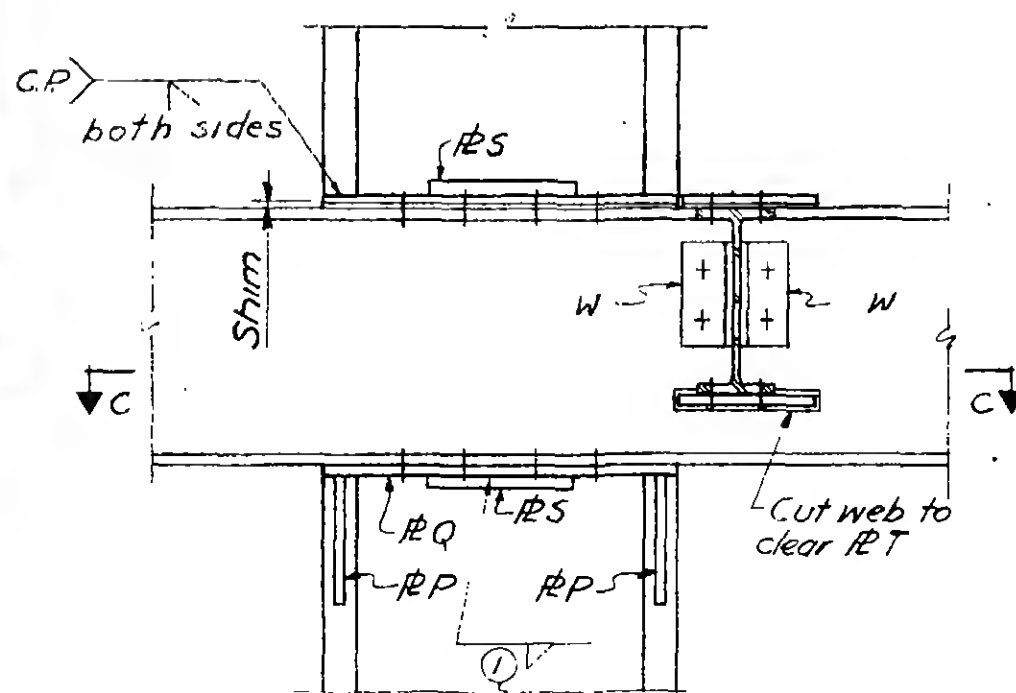
11-10-67



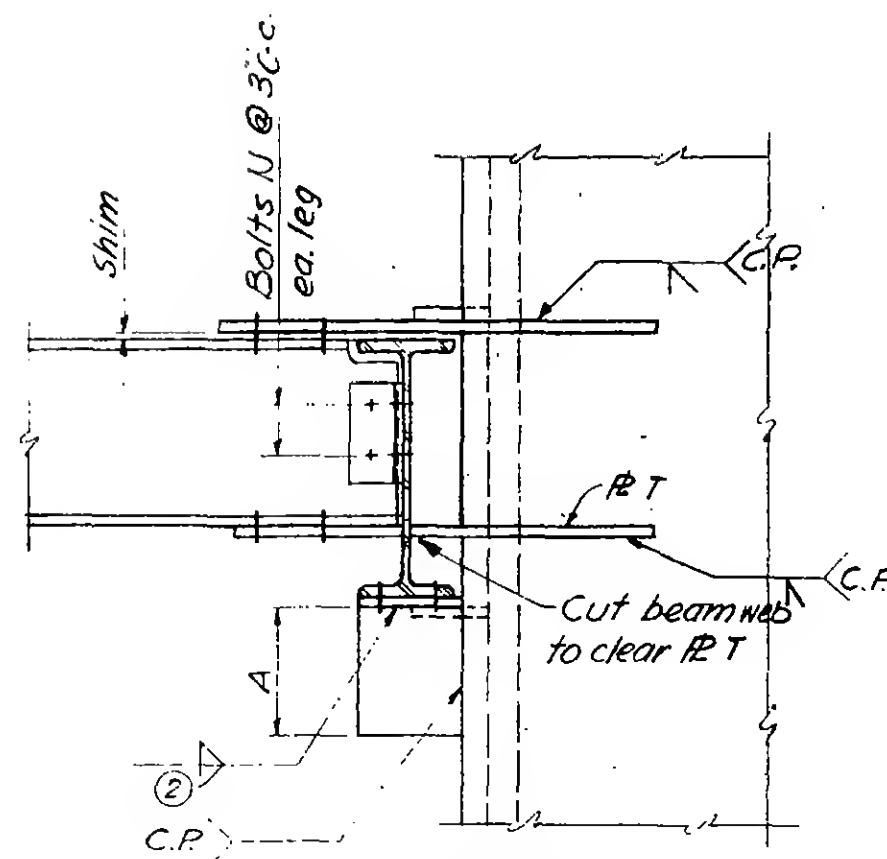
Plan



Plan Section c-c



Section a-a



Section b-b

6-ABI-142.5

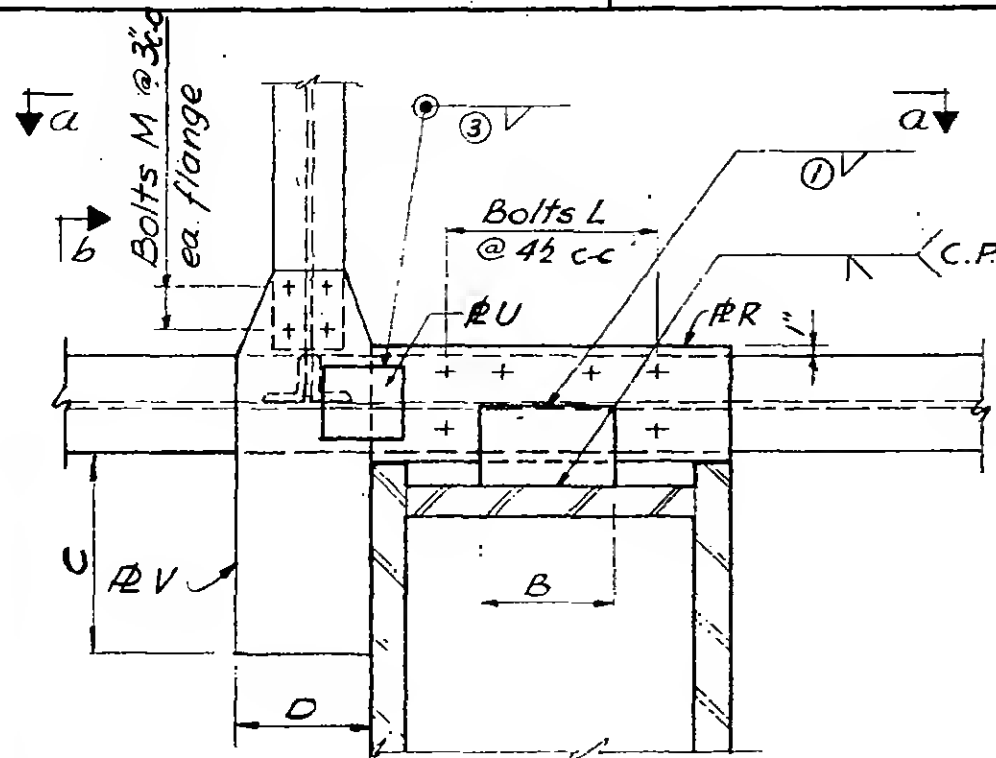


PROJECT THE WORLD TRADE CENTER

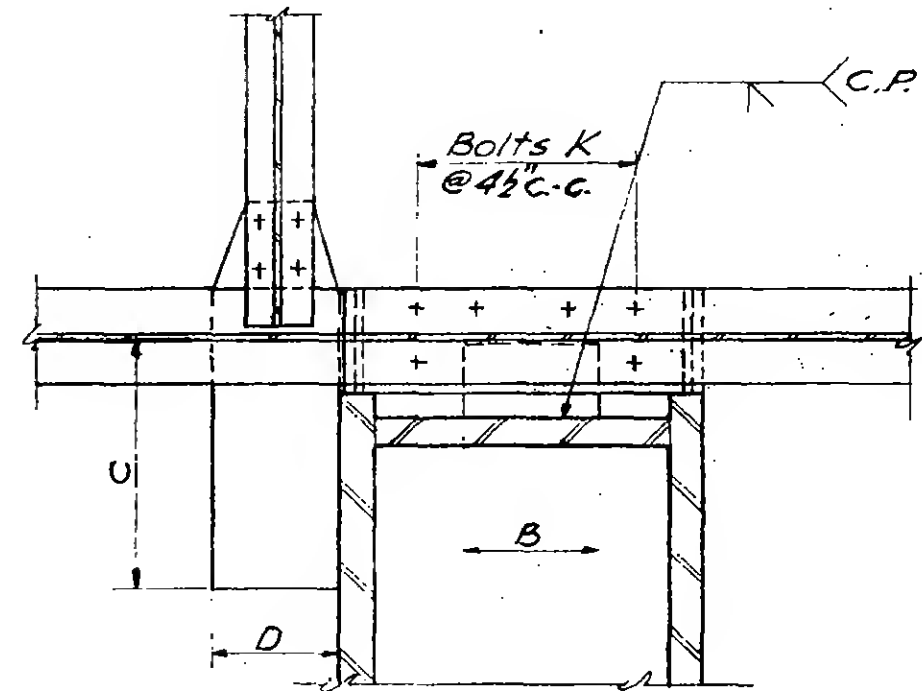
TITLE CONNECTION DETAIL 335 J

DATE 9-15-67

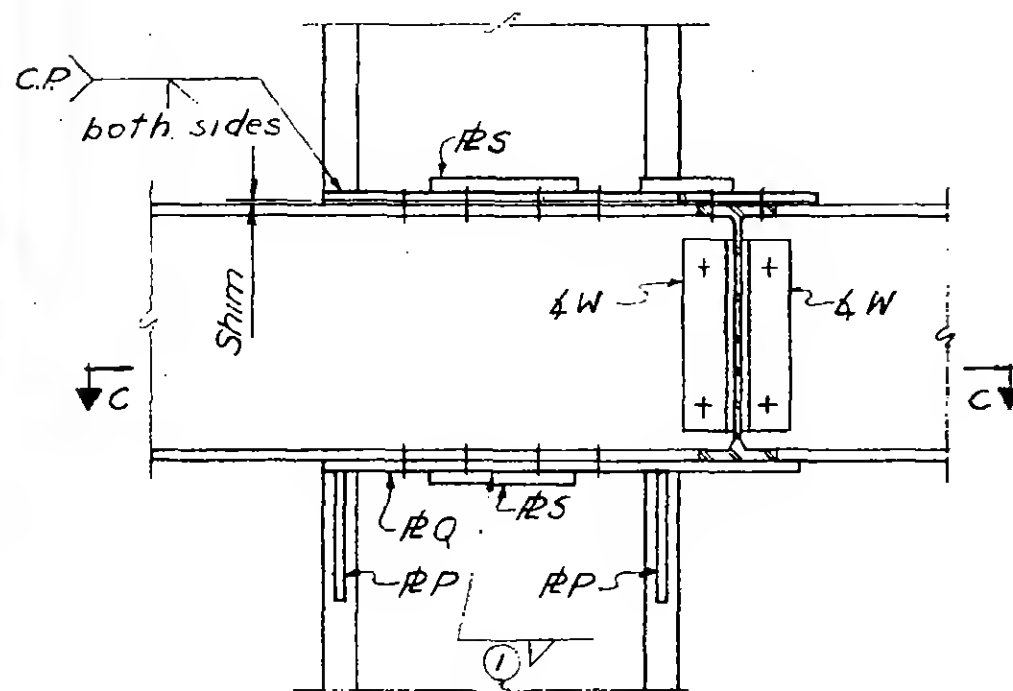
REVISIONS



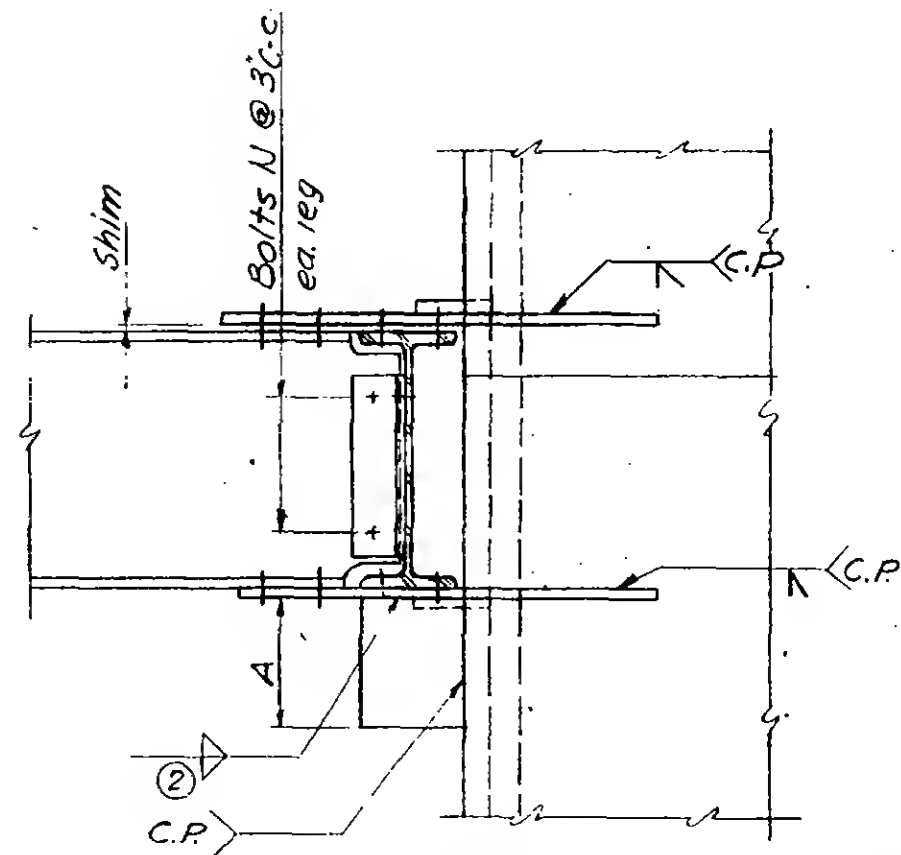
Plan



Plan Section c-c



Section a-a



Section b-b

6-ABI-142.6



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 335.H,I,J,K,L,P

DATE 9-15-67

REVISIONS

10-2-67

11-10-67

REF. DWG.	6-ABI-142.4	6-ABI-142.5	6-ABI-142.6	6-ABI-142	6-ABI-142.8	6-ABI-142.1
	335 H	335 I	335 J	335 K	335 L	335 P
PLATES	(F)					
P	1/2"	1/2"	1/2"	5/8"	1"	3/4"
Q	1/2"	1/2"	1/2"	5/8"	1"	3/8"
R	3/4"	3/4"	3/4"	1/2"	1"	3/4"
S	1/2"	1/2"	1/2"	—	3/4"	1/2"
T	3/8"	3/8"	3/8"	—	—	3/4"
U	7/8"	—	7/8"	—	—	7/8"
V	3/4"	3/4"	3/4"	—	—	8 x 3/4"
ANGLES						
W	4 x 3/2 x 5/16 x 1'-0"	4 x 3/2 x 5/16 x 0'-6"	4 x 3/2 x 5/16 x 1'-0"	5 x 4 x 3/8 x 0'-9"	—	4 x 3/2 x 5/16 x 0'-6"
DIMENSIONS						
A	0'-8"	0'-8"	0'-8"	1'-0"	1'-10"	0'-8"
B	0'-9"	0'-9"	0'-9"	0'-5"	—	0'-9"
C	1'-6 1/2"	1'-6 1/2"	1'-6 1/2"	—	—	1'-6 1/2"
D	0'-8"	0'-8"	0'-8"	—	—	0'-8"
(E)	—	—	—	—	—	1'-2"
BOLTS						
K	6 - 7/8" ϕ	6 - 7/8" ϕ	6 - 7/8" ϕ	6 - 3/4" ϕ	4 - 7/8" ϕ	6 - 7/8" ϕ
L	6 - 7/8" ϕ	6 - 7/8" ϕ	6 - 7/8" ϕ	4 - 3/4" ϕ	8 - 1/6" ϕ (A490)	6 - 7/8" ϕ
M	8 - 3/4" ϕ (A490)	8 - 3/4" ϕ (A490)	8 - 3/4" ϕ (A490)	3 - 7/8" ϕ	—	4 - 1" ϕ (A490)
N	4 - 3/4" ϕ	4 - 3/4" ϕ	4 - 3/4" ϕ	—	—	2 - 3/4" ϕ
WELDS						
(1)	7/16	7/16	7/16	5/16	3/8	7/16
(2)	5/16	5/16	5/16	5/16	5/8	5/16
(3)	1/2	—	1/2	—	—	1/2
(4)	—	—	—	—	—	5/16

6-ABI-142.7



PROJECT

THE WORLD TRADE CENTER

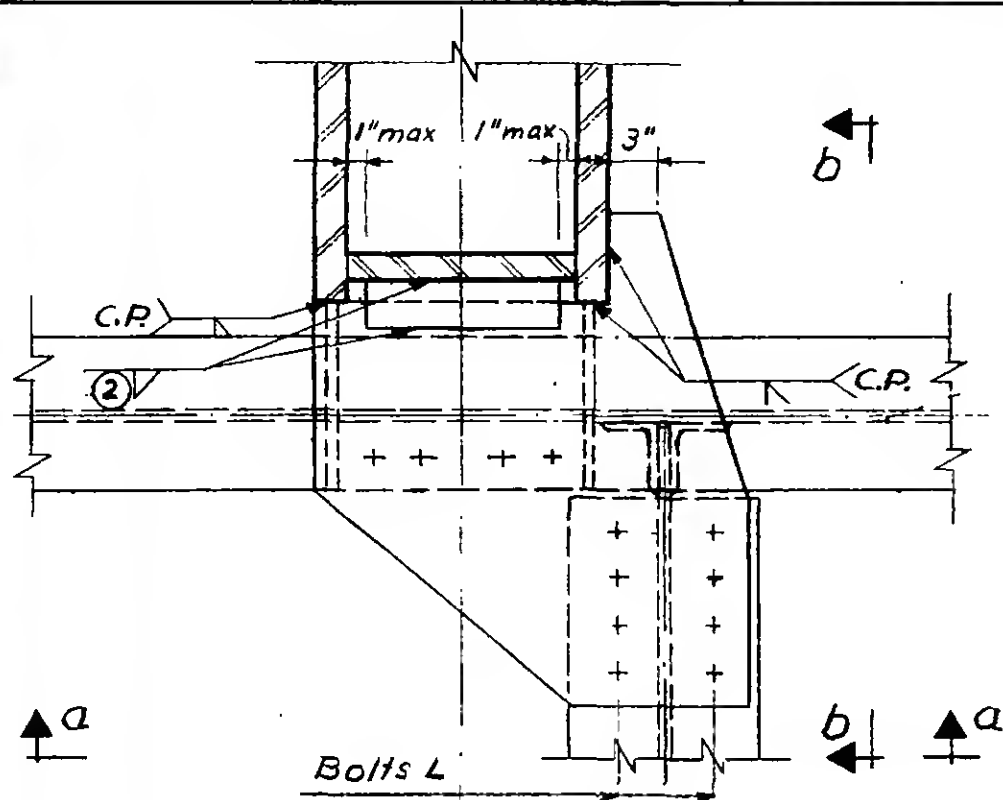
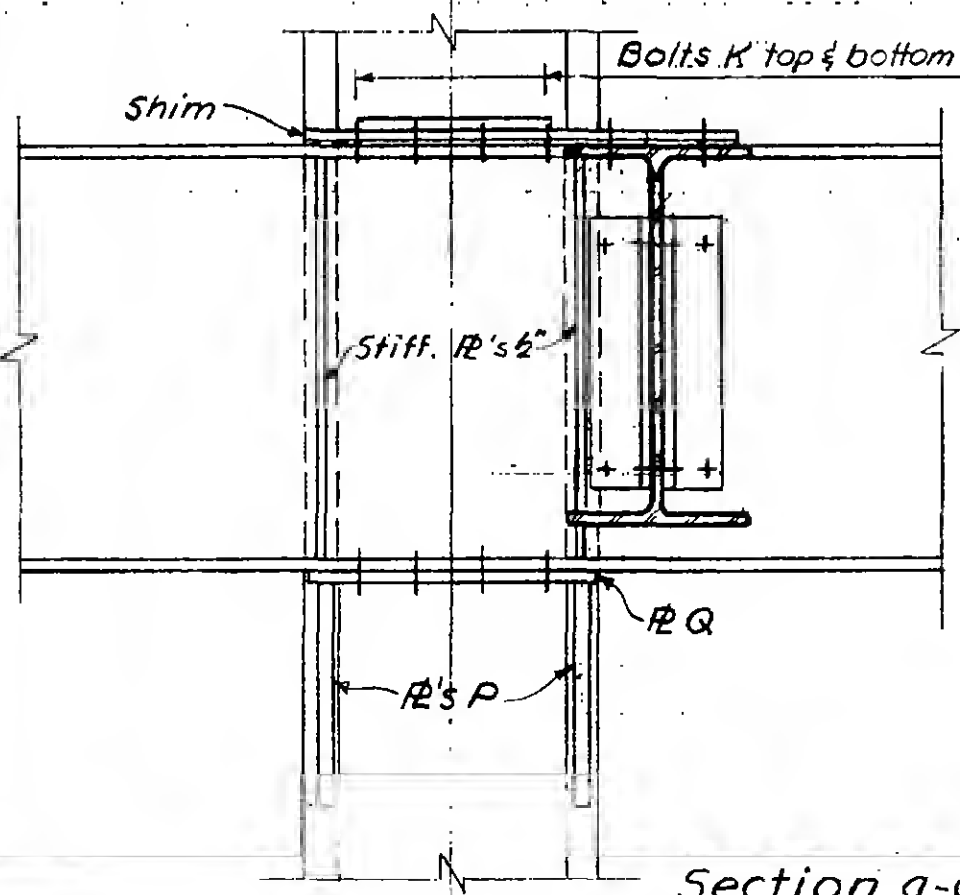
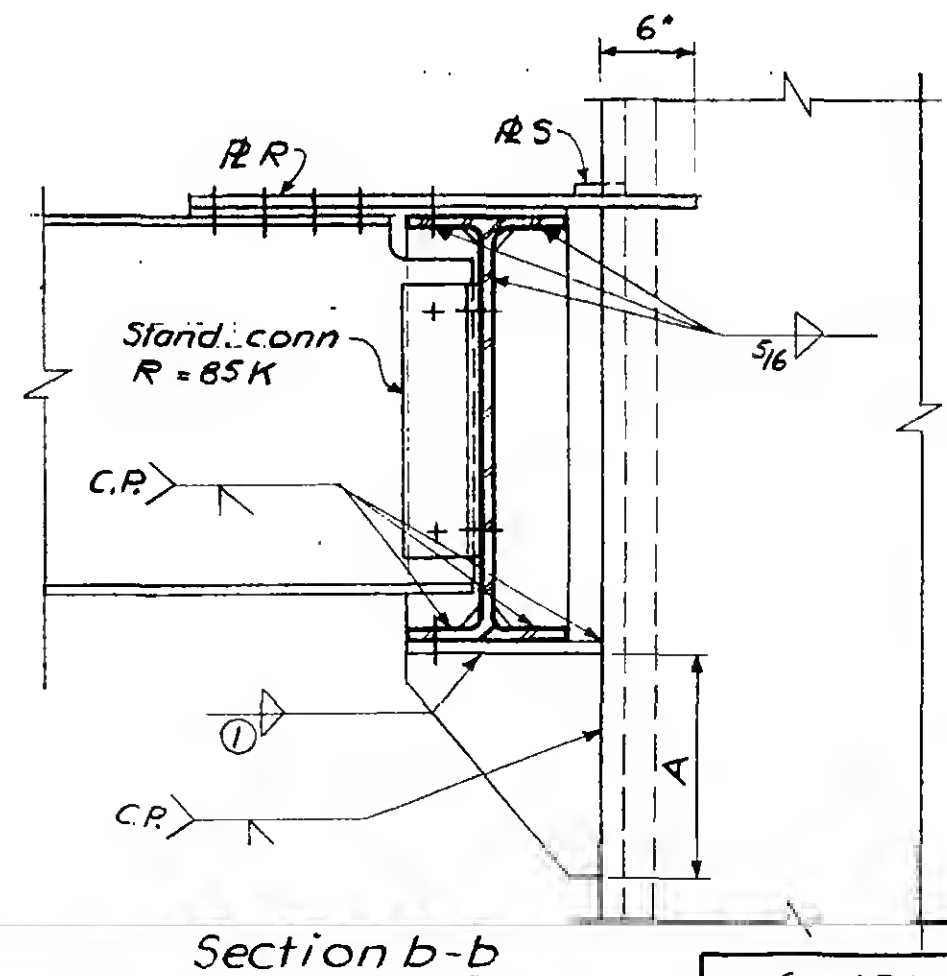
TITLE

CONNECTION DETAIL 335 L

DATE

10-2-67

REVISIONS

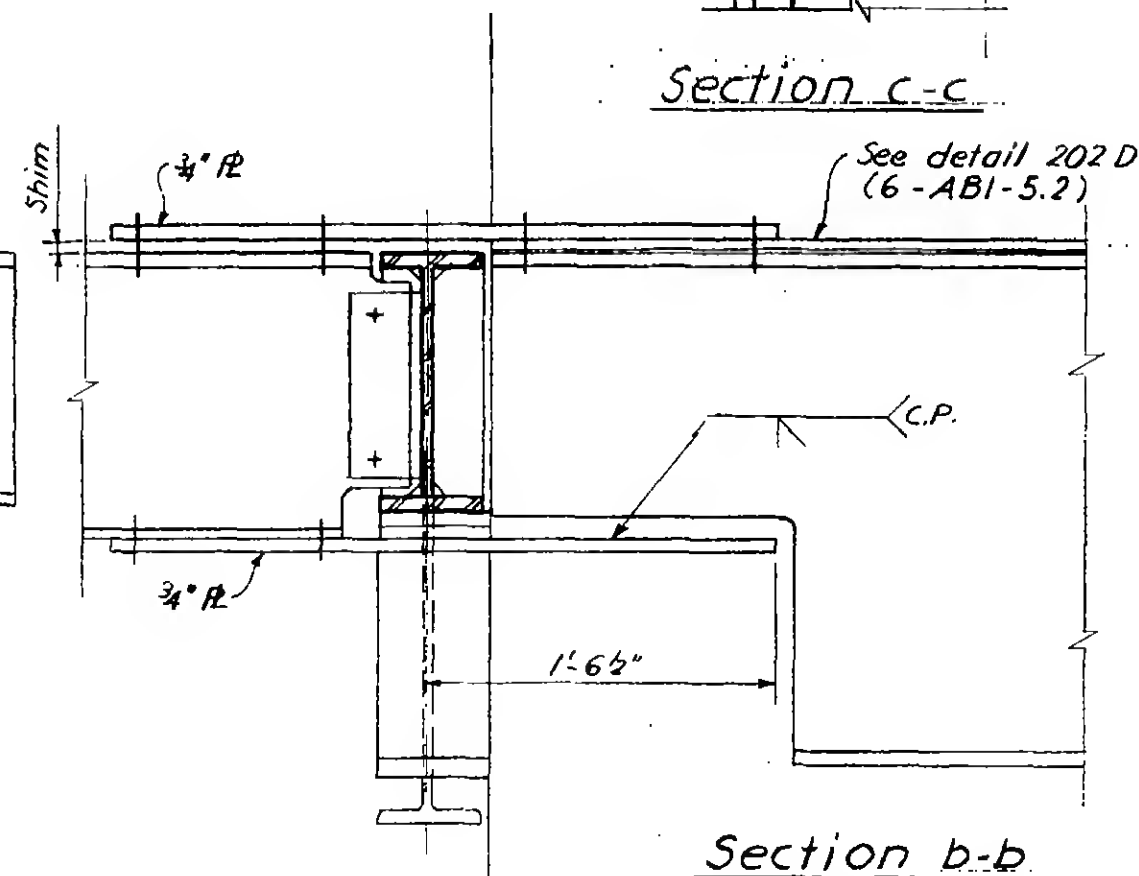
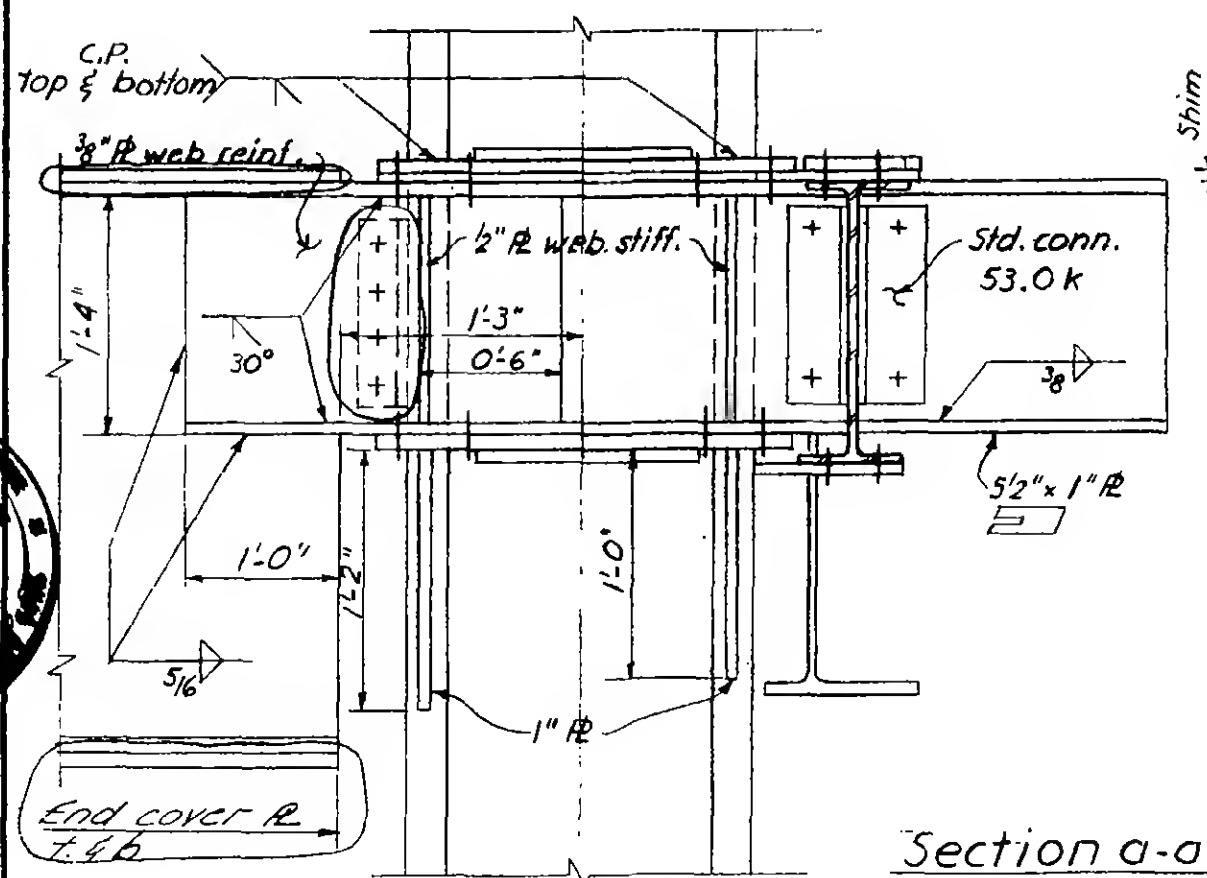
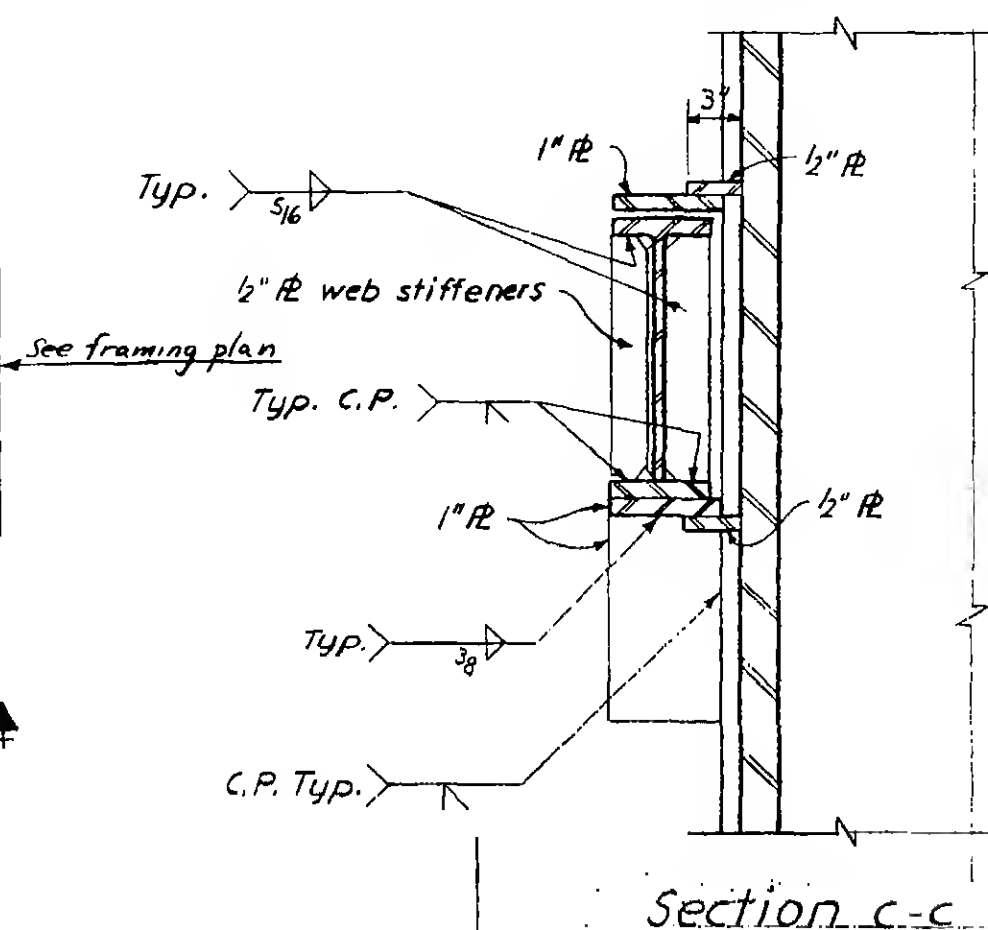
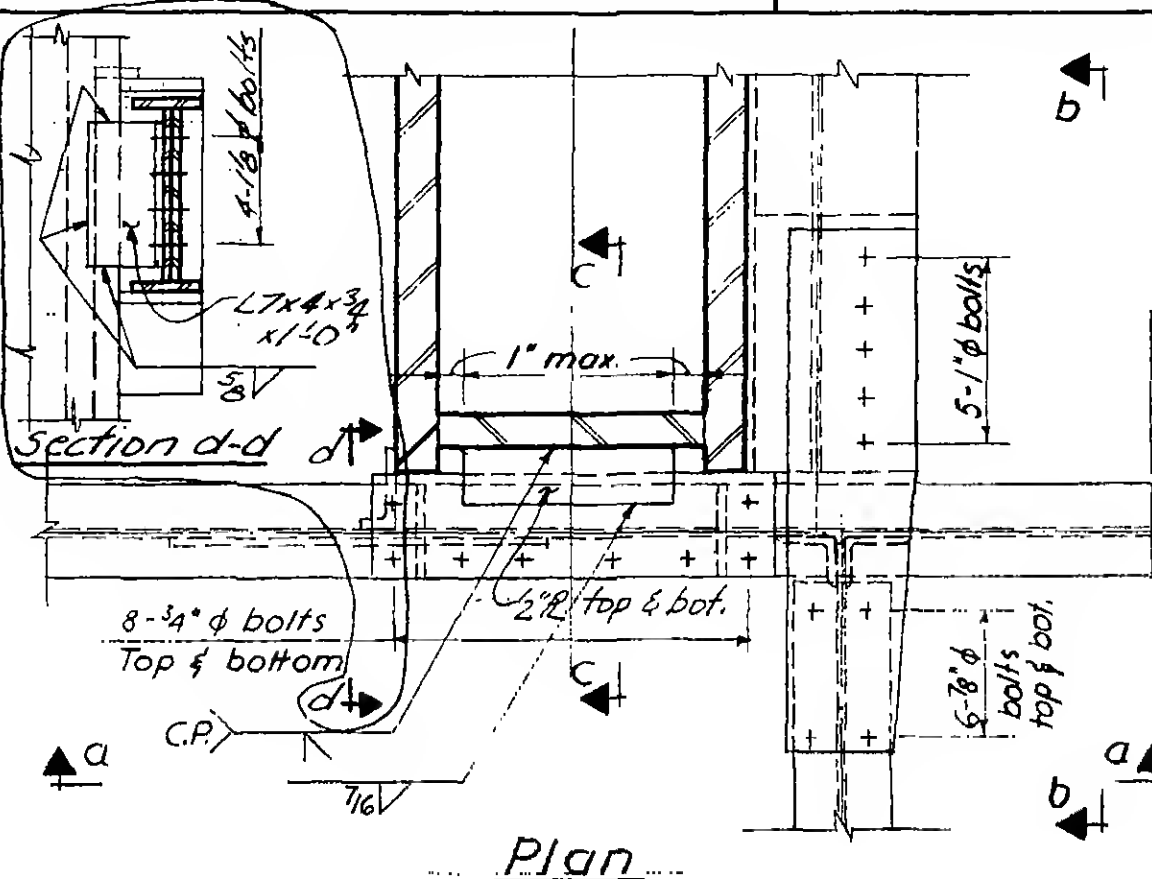
PlanSection a-aSection b-b

6-ABI-142.8



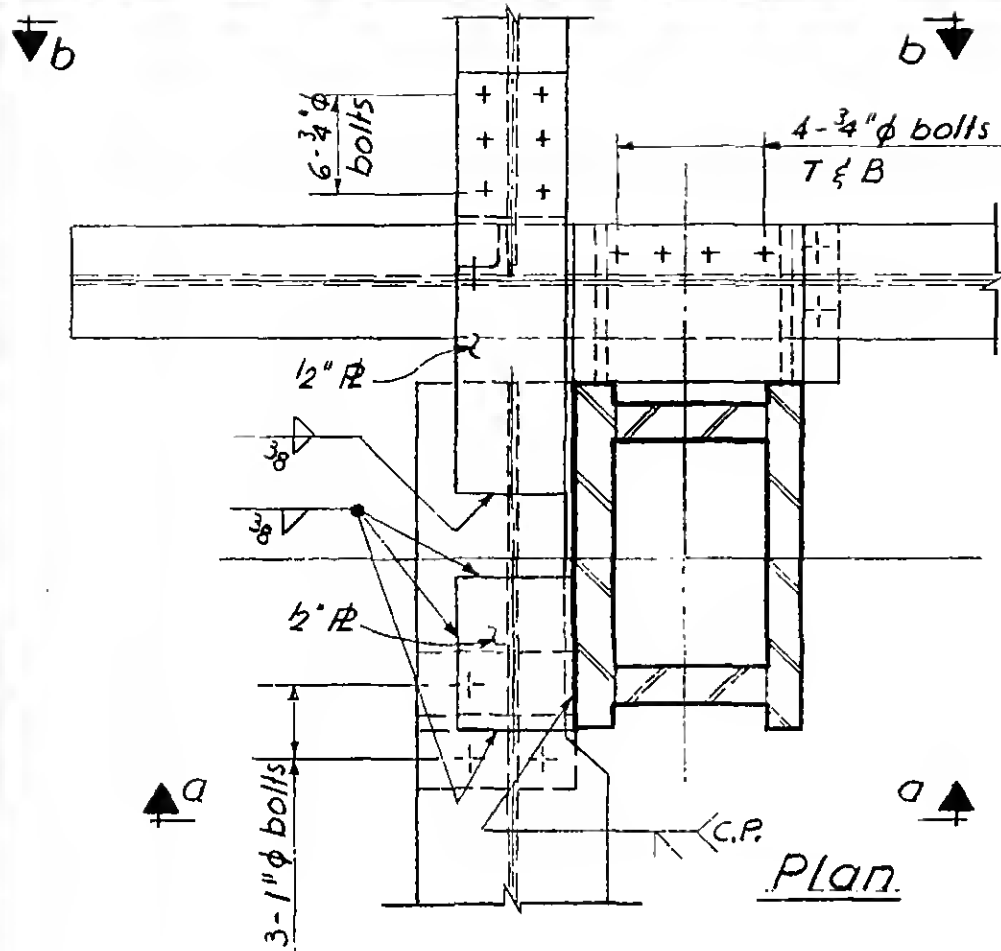
REVISIONS

7-17-68

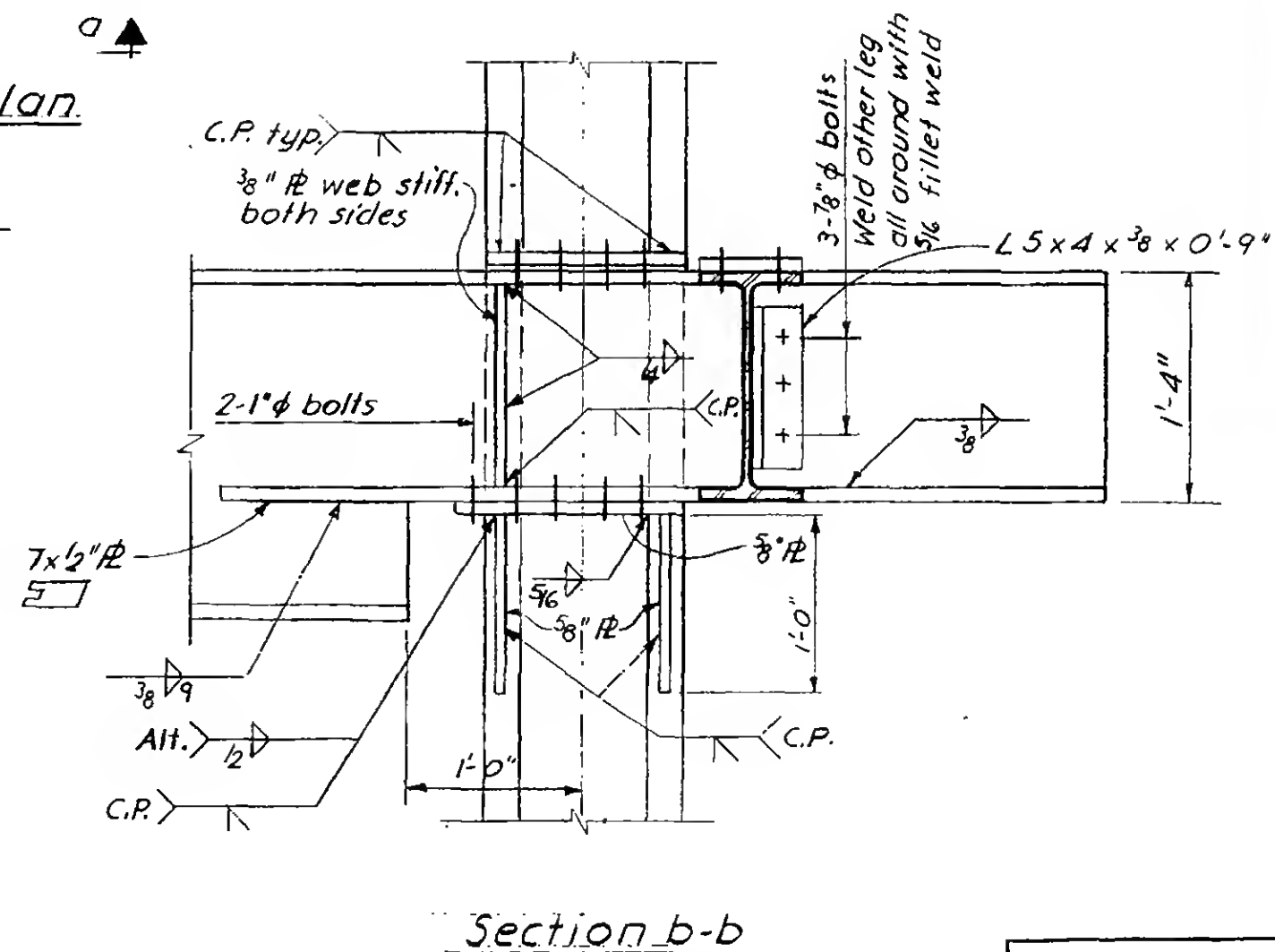
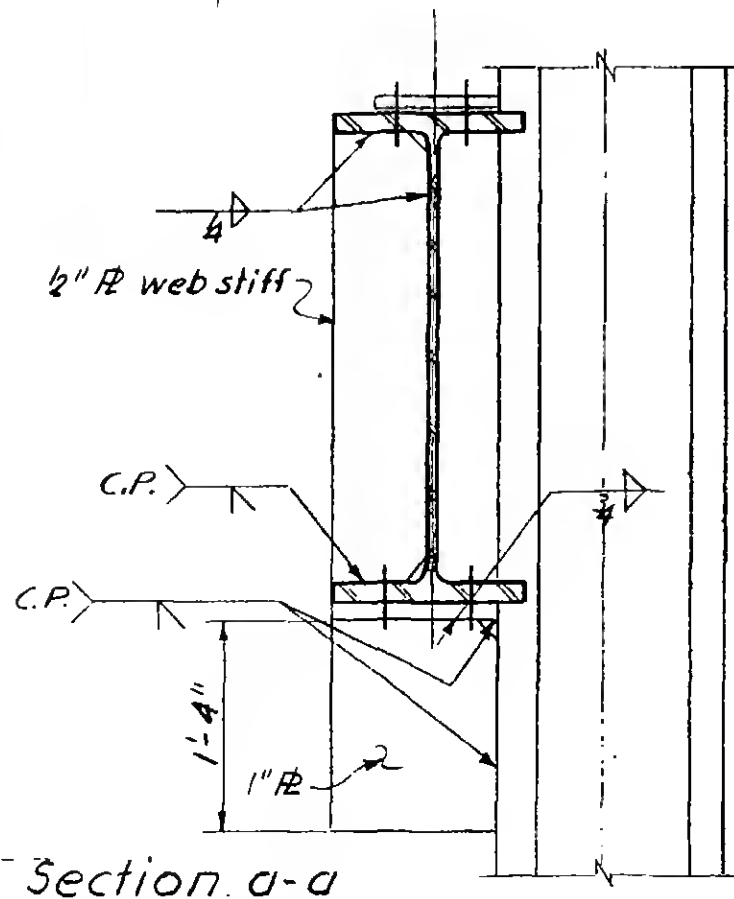


6-ABI-142.9

REVISIONS



Wherever suitable reuse previously scheduled (Details 335 K and 235 D) plates and bolts.

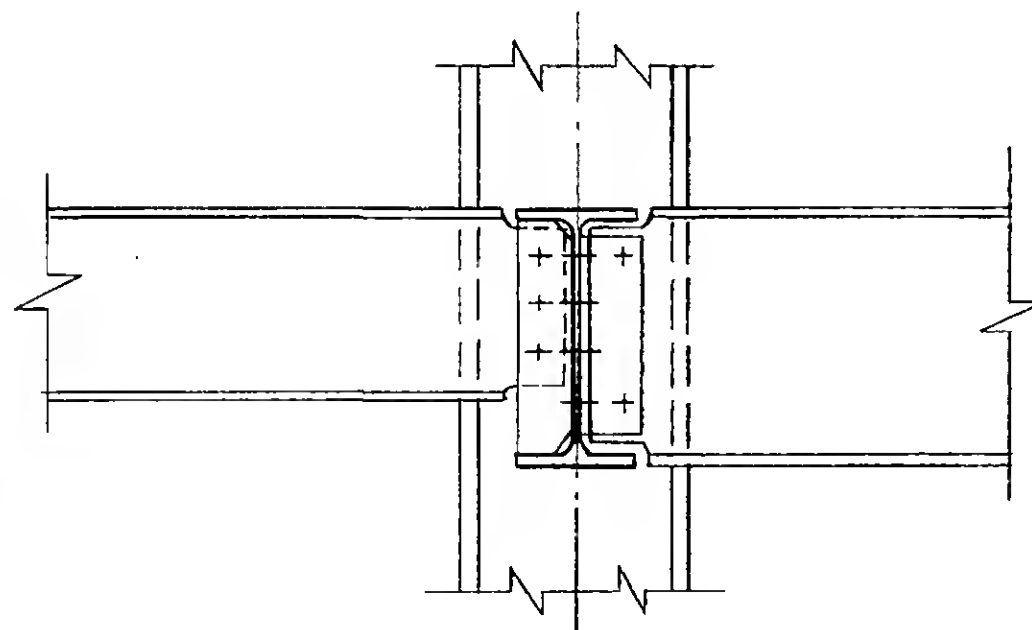
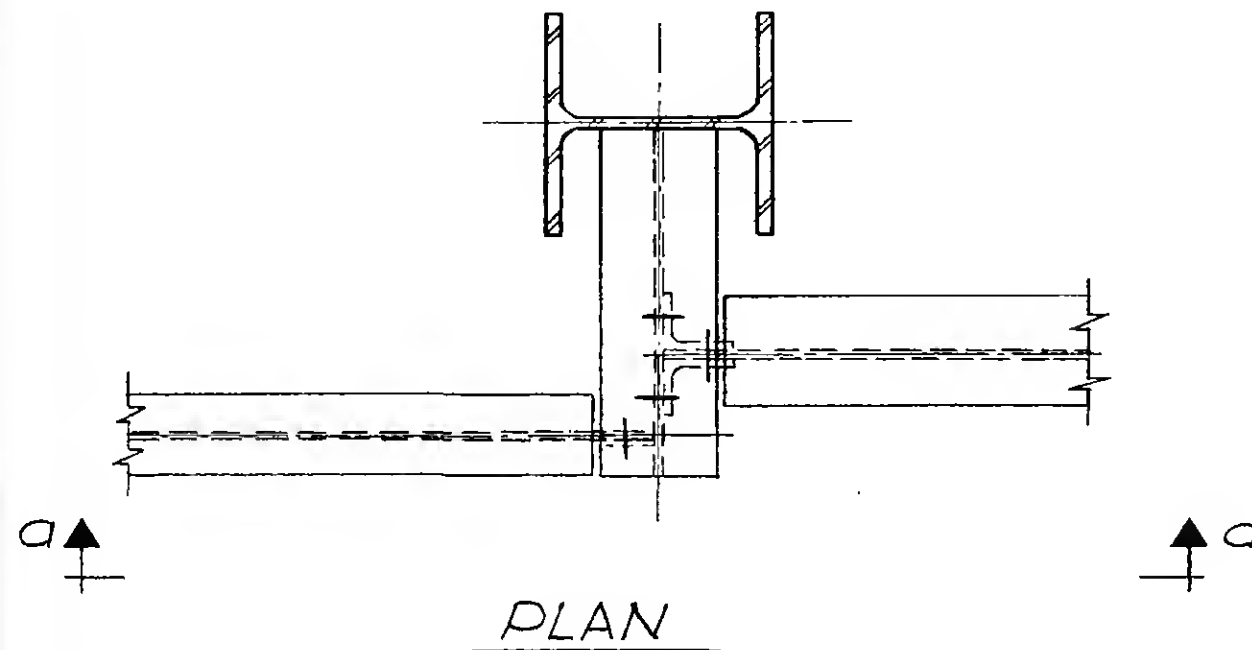


PROJECT *THE WORLD TRADE CENTER*

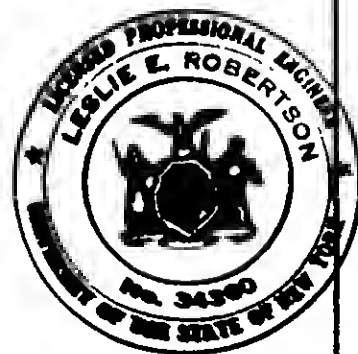
TITLE *CONNECTION DETAIL 336*

DATE *7/20/67*

REVISIONS



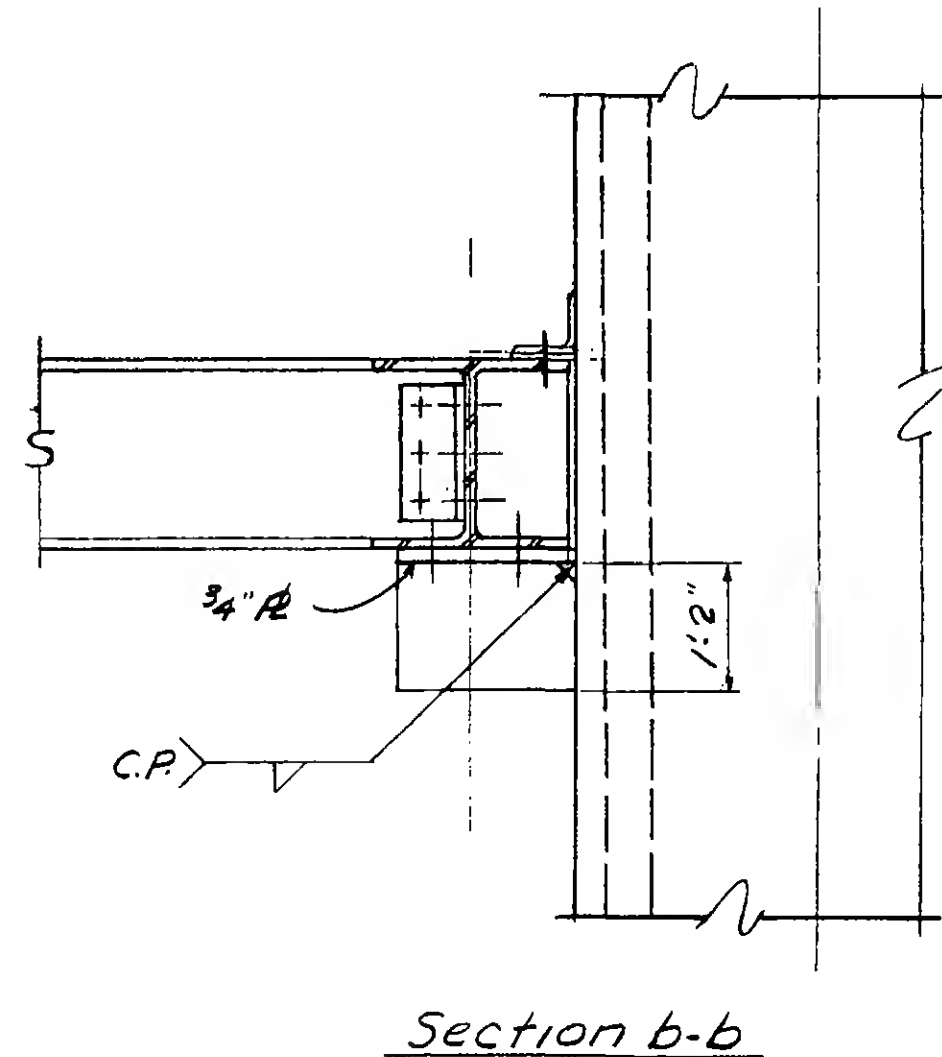
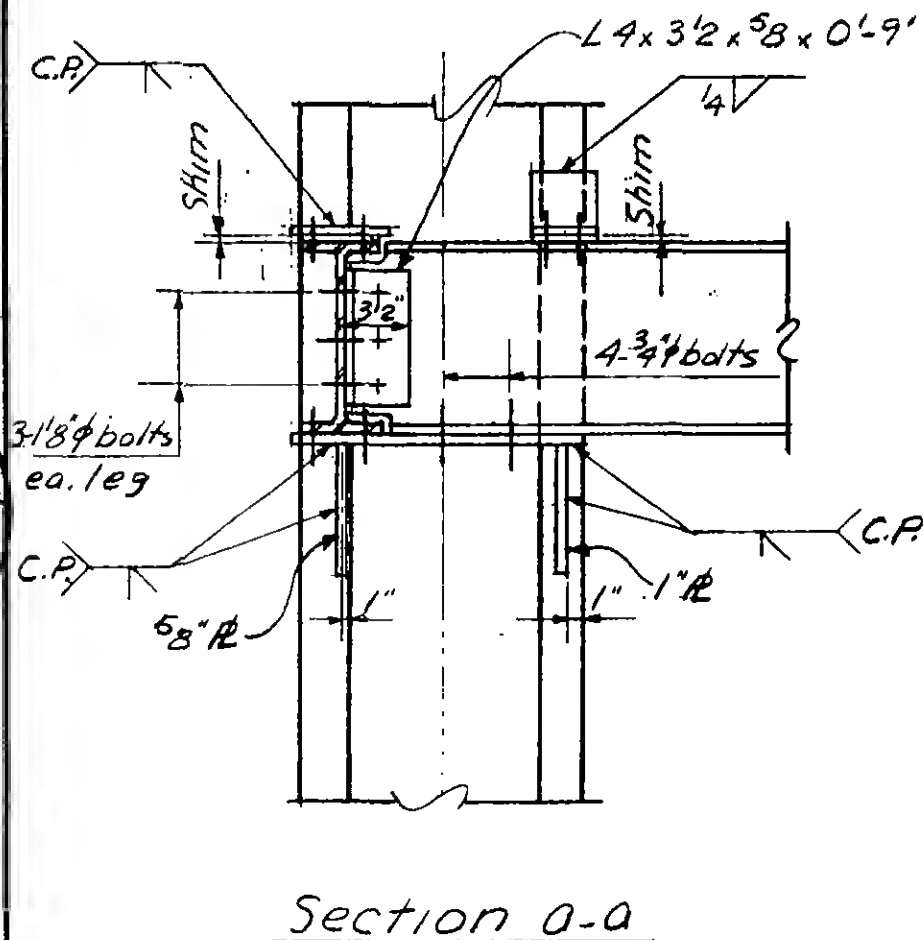
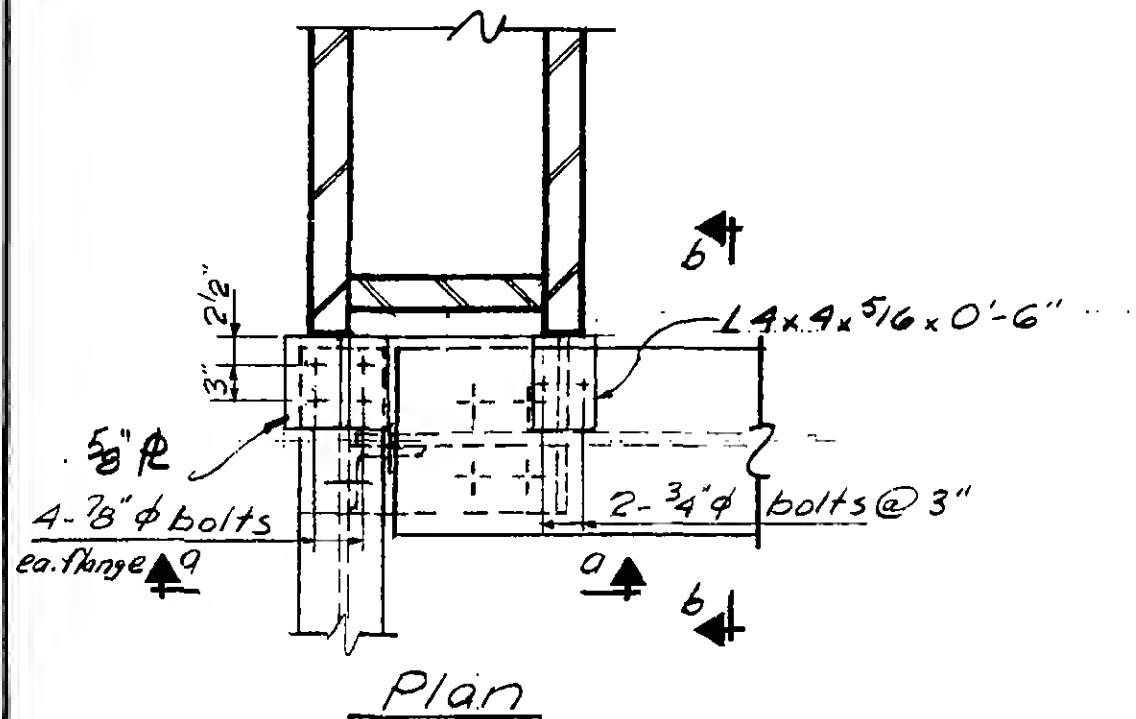
Section a-a



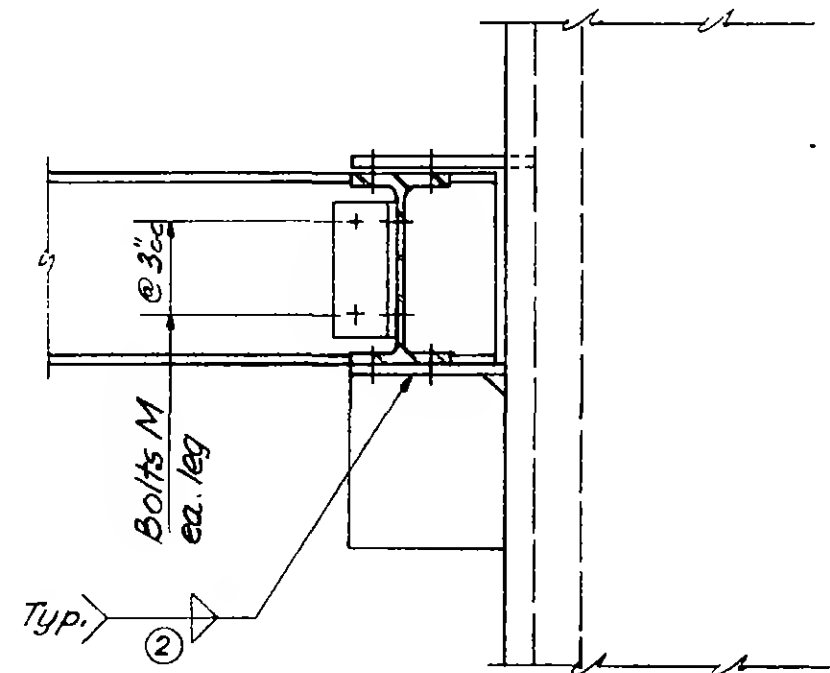
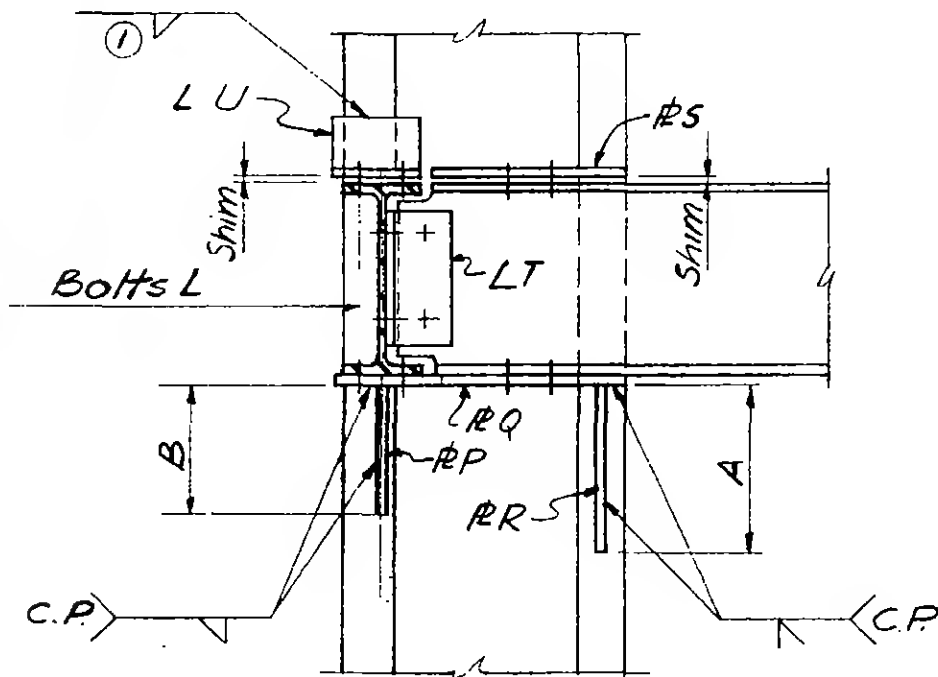
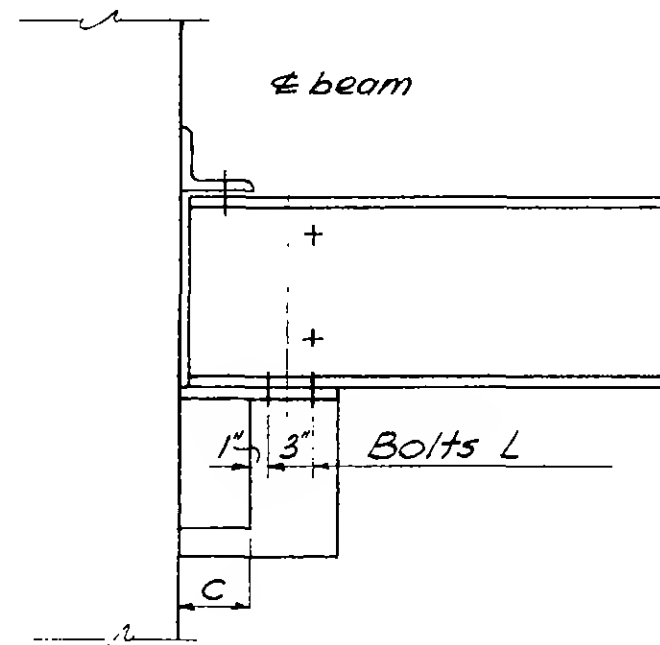
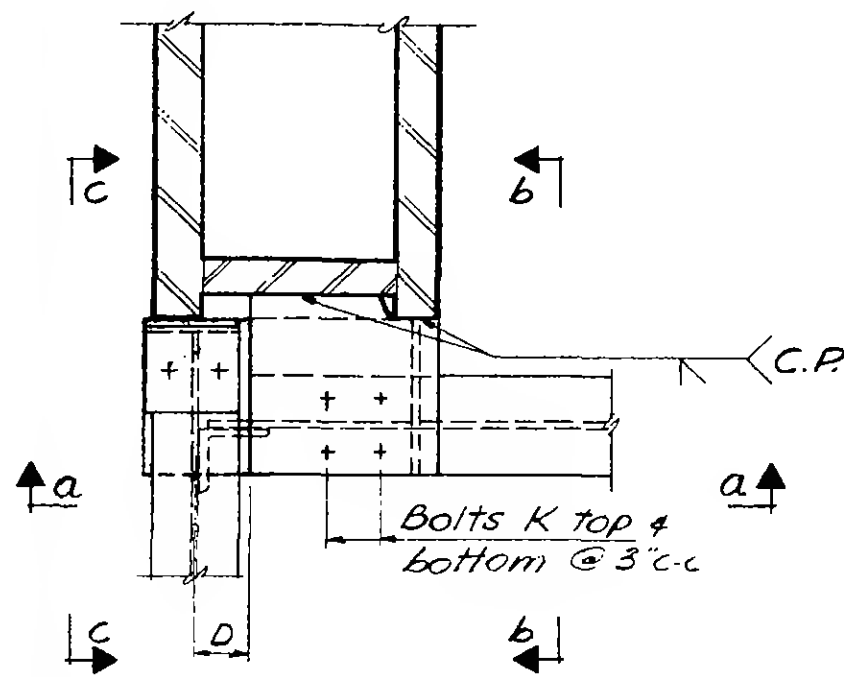
G-ABI-143

REVISIONS

7-28-67



REVISIONS



PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 337 B,C

DATE 8-5-67

REVISIONS

PLATES

P

58

Q

34

R

1

S

34

ANGLES

T

4x4x5/16x0'-11 1/2"

U

4x4x5/16x0'-6"

DIMENSIONS

A

1'-2"

B

1'-2"

C

0'-4"

D

0'-4"

BOLTS

K

4-1"φ

L

2-3/4"φ

M

4-3/4"φ

WELDS

①

14

②

5/16



6-ABI-144.2

PROJECT THE WORLD TRADE CENTER

TITLE

CONNECTION DETAIL 338 A,B,D,F,G,H

DATE 5-1-67

REVISIONS

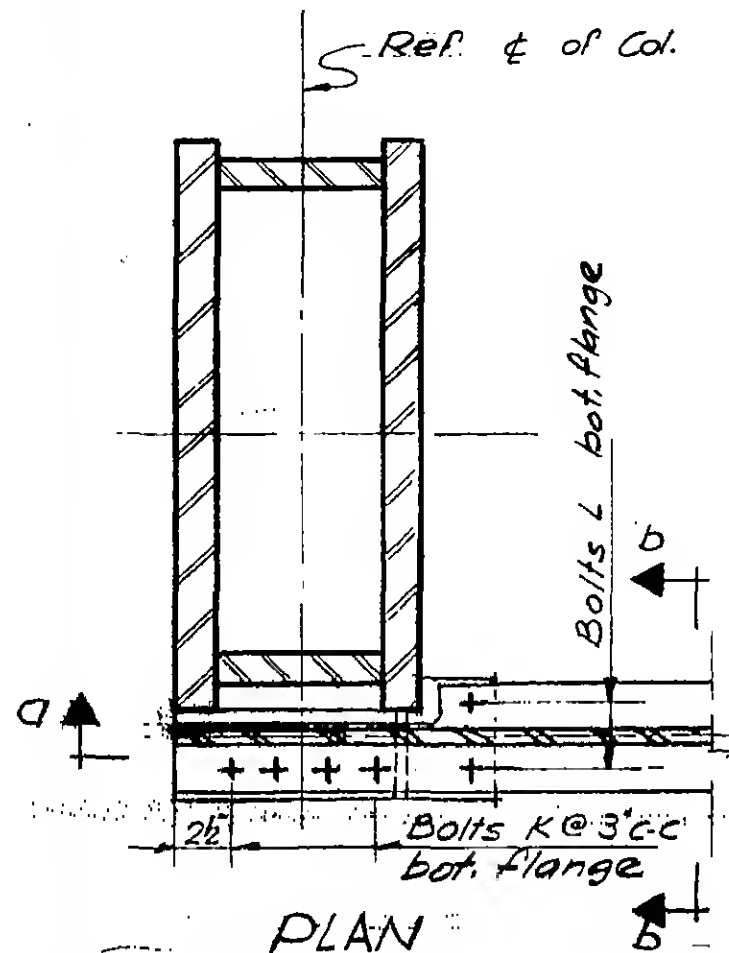
6-30-67

7-28-67

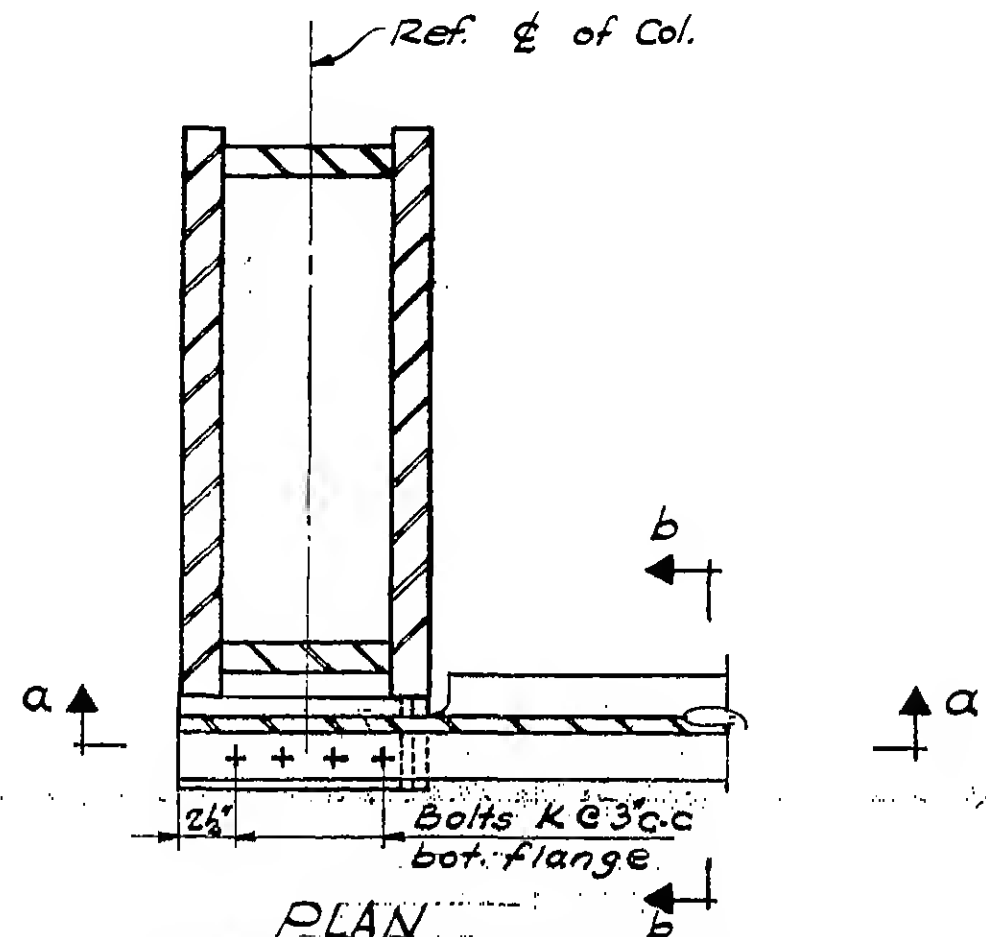
8-5-67

10-2-67

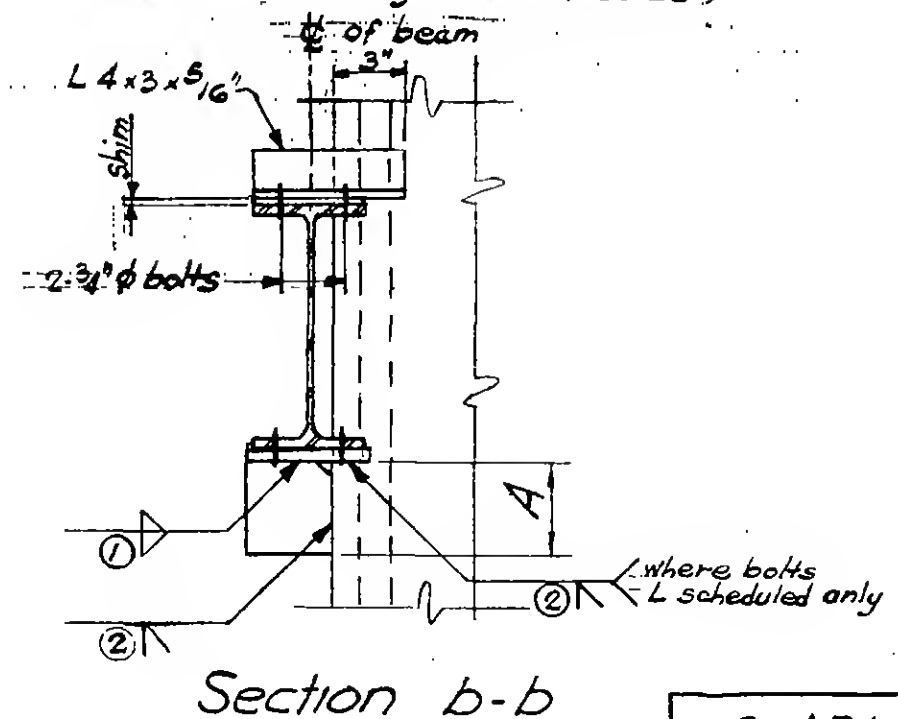
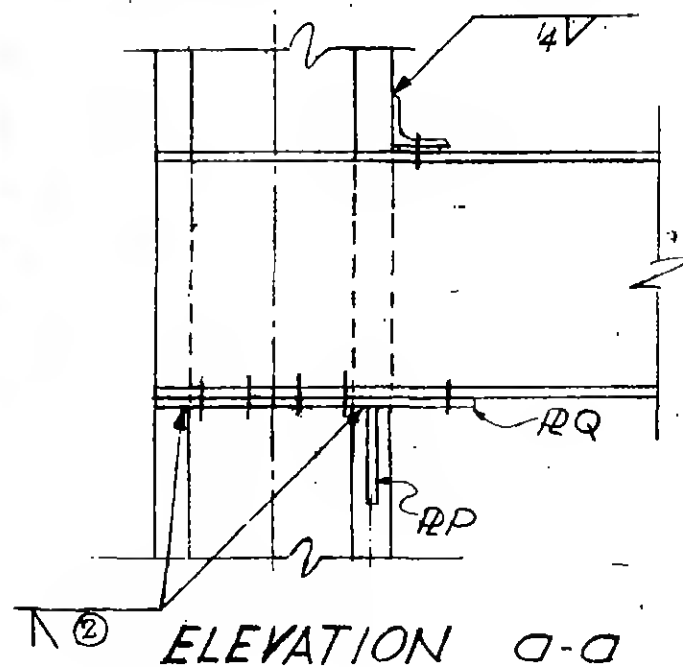
2-9-68



Where bolts K & L are scheduled



Where bolts K only are scheduled



where bolts L scheduled only



Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 338 A-H

DATE - 6-30-67

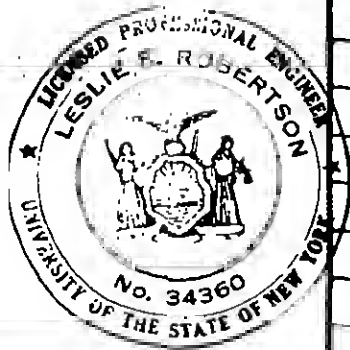
REVISIONS

7-28-67

8-5-67

10-2-67

2-9-68

[illegible]

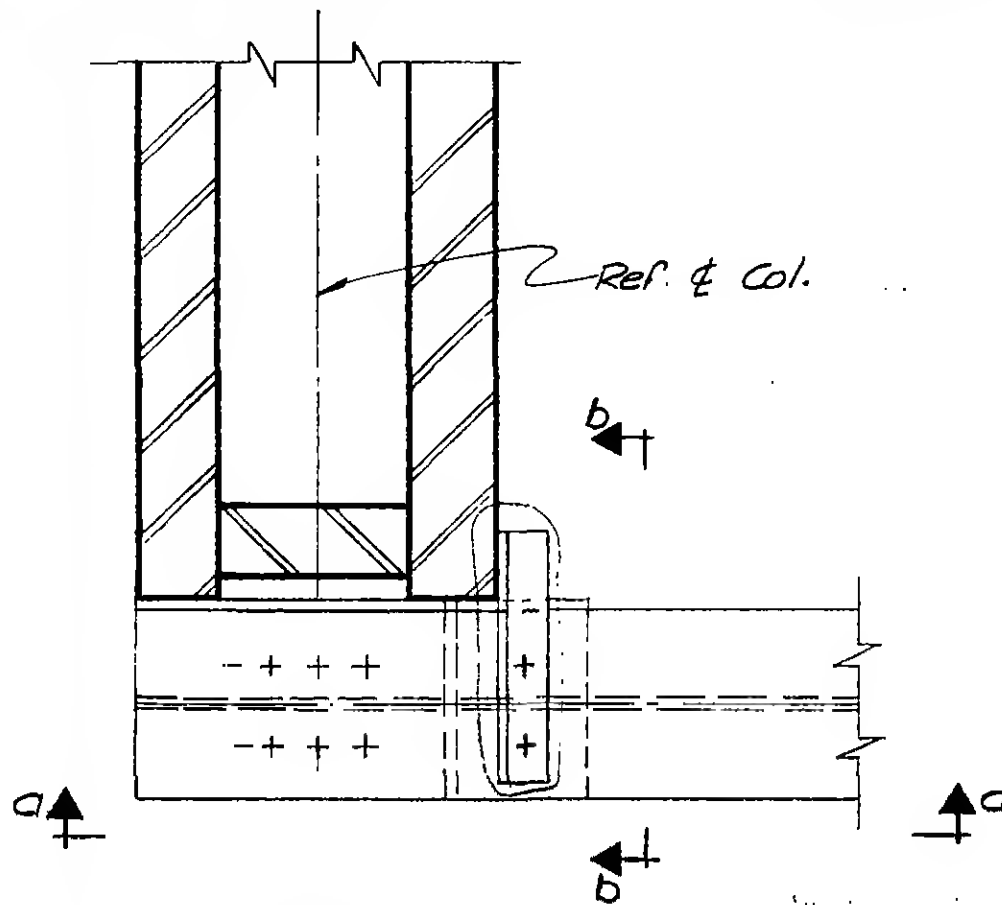
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 338 C

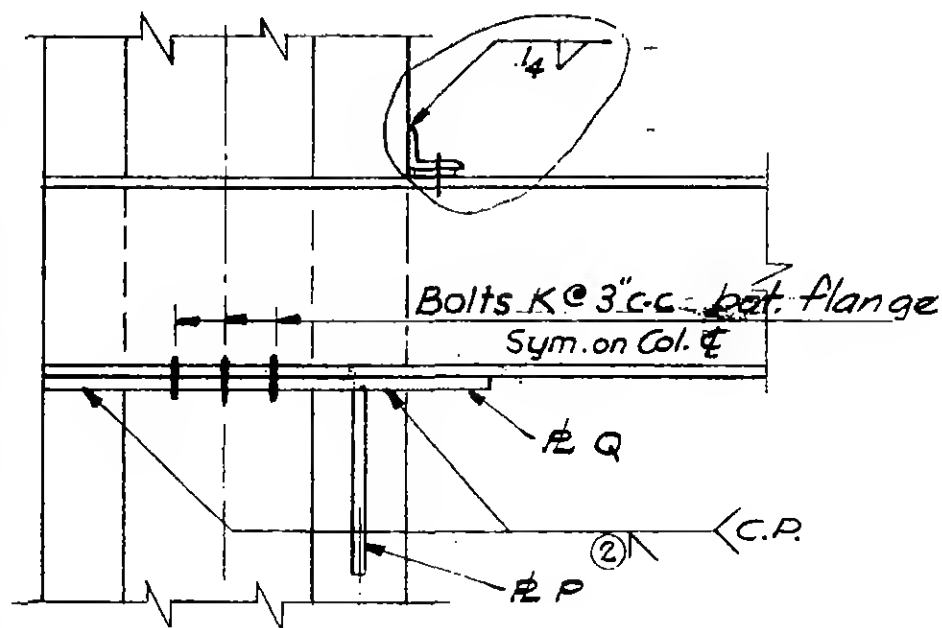
DATE 6-30-67

REVISIONS

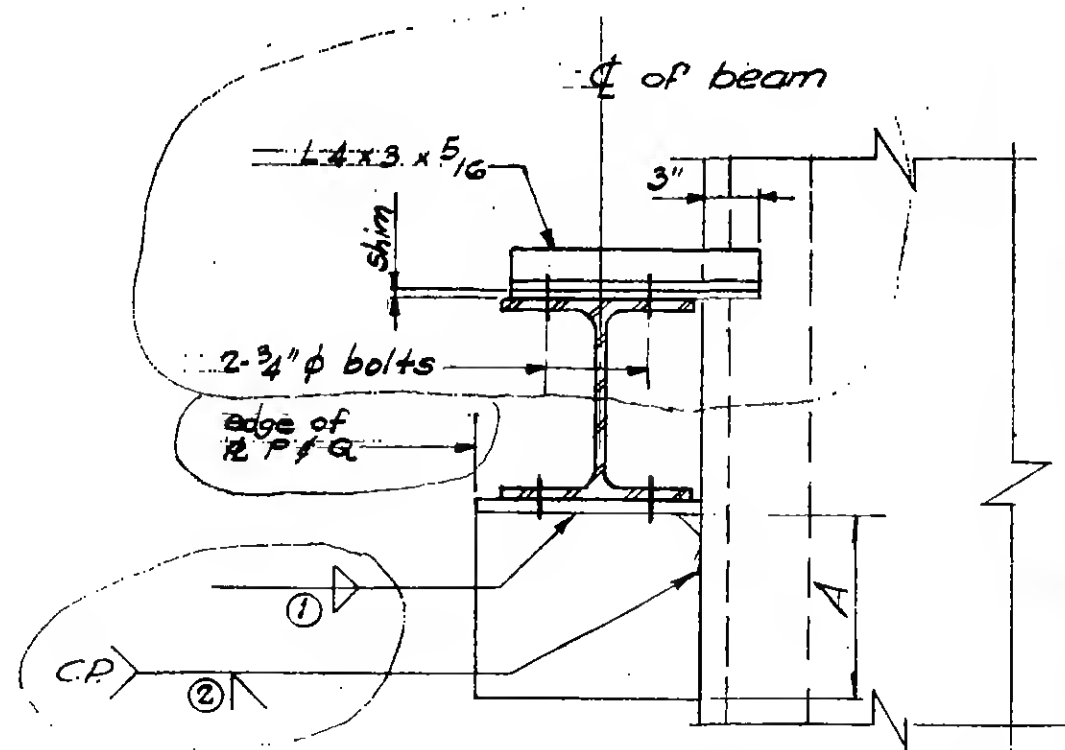
7-28-67



PLAN

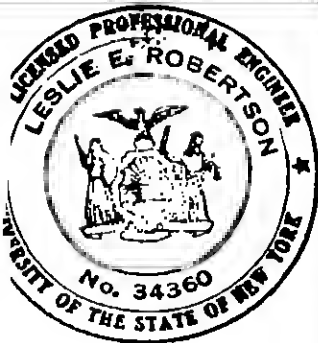


Section a-a

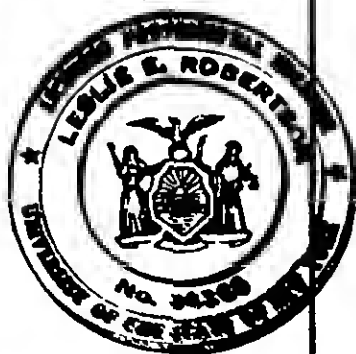
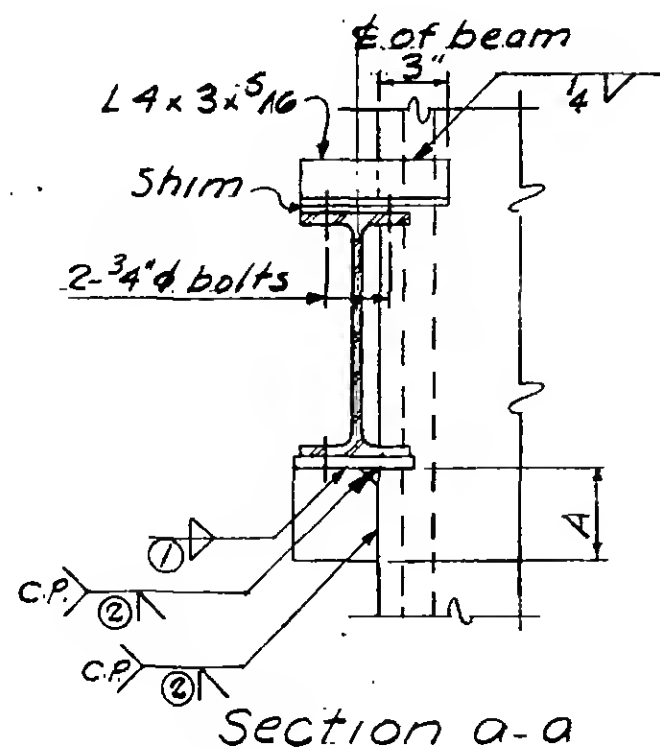
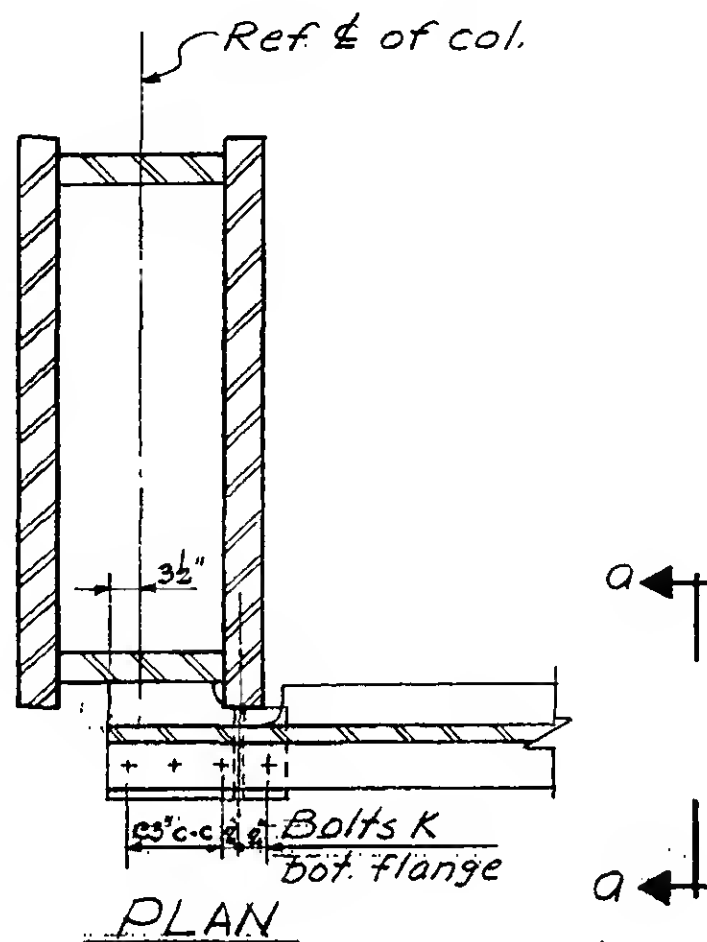


Section b-b

G-ABI-145.2



REVISIONS



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Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

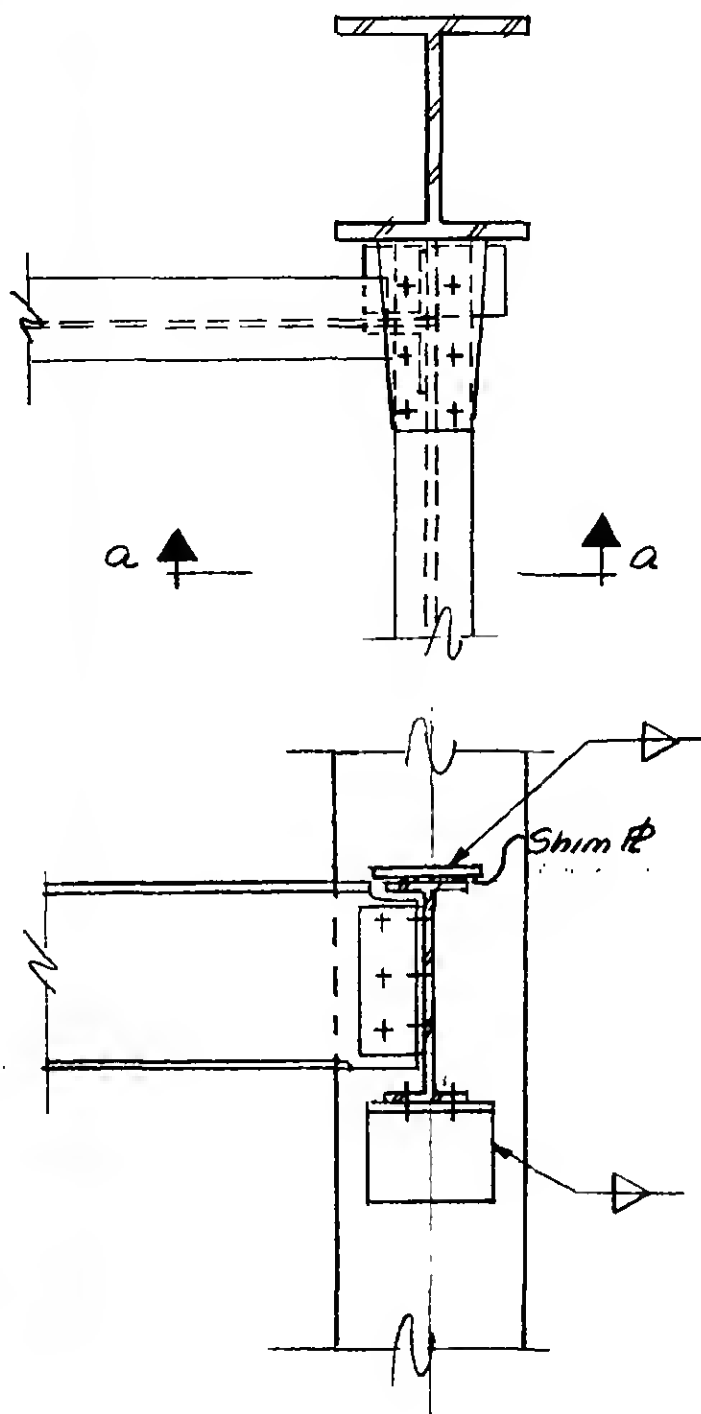
TITLE

CONNECTION DETAIL 339

DATE

6-30-67

REVISIONS



SECTION a-a



G-ABI-146

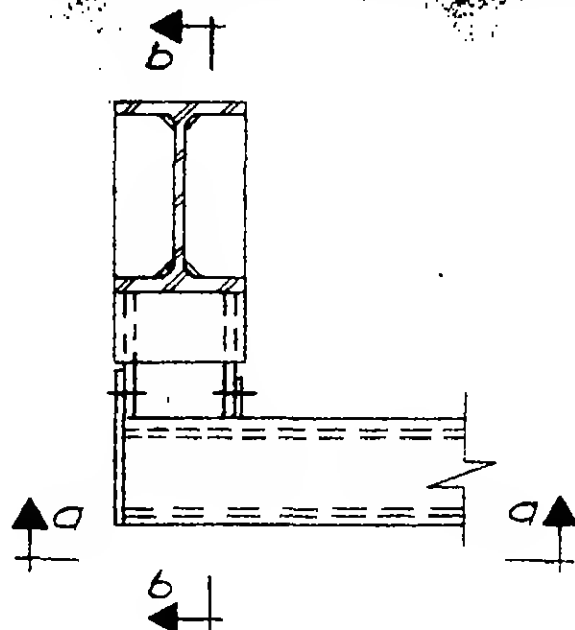
WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

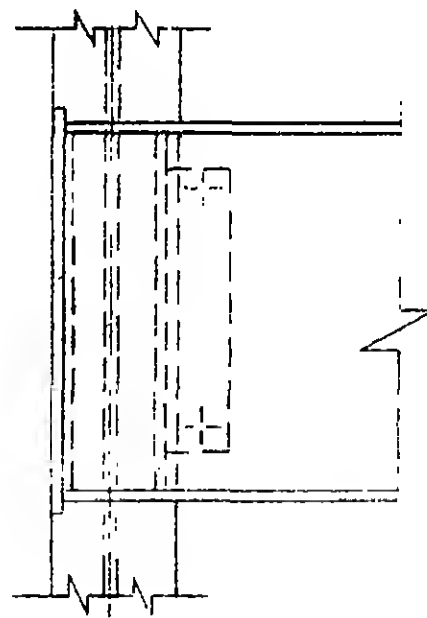
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 340

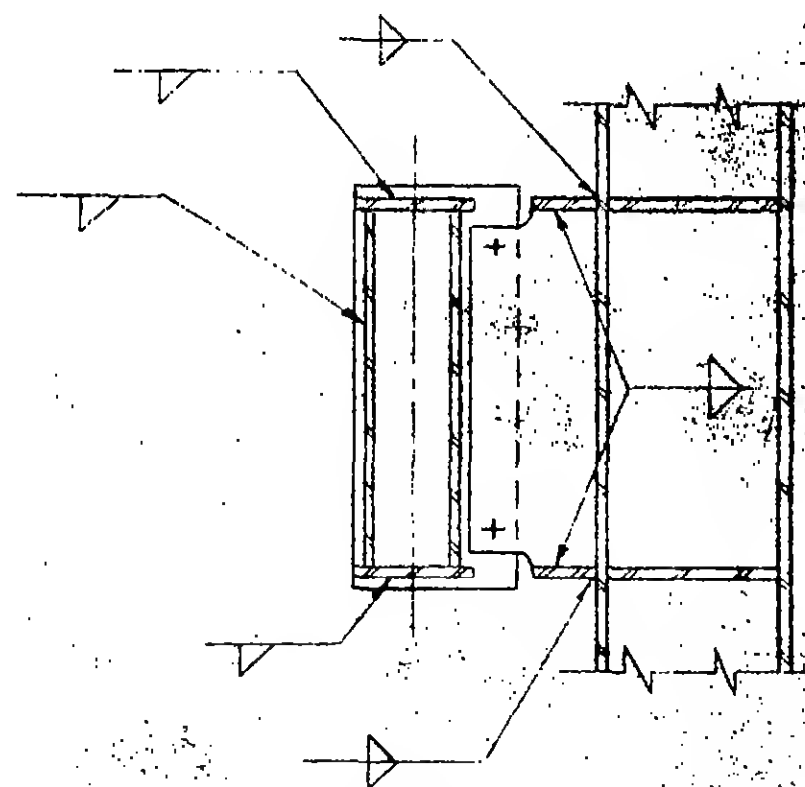
REVISIONS



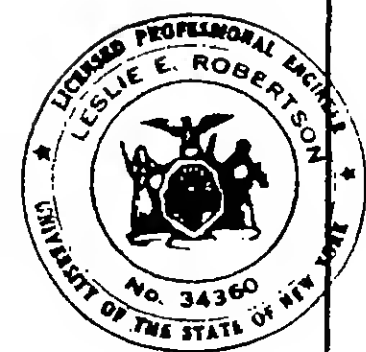
PLAN



Section a-a



Section b-b



6-AB1-147

WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

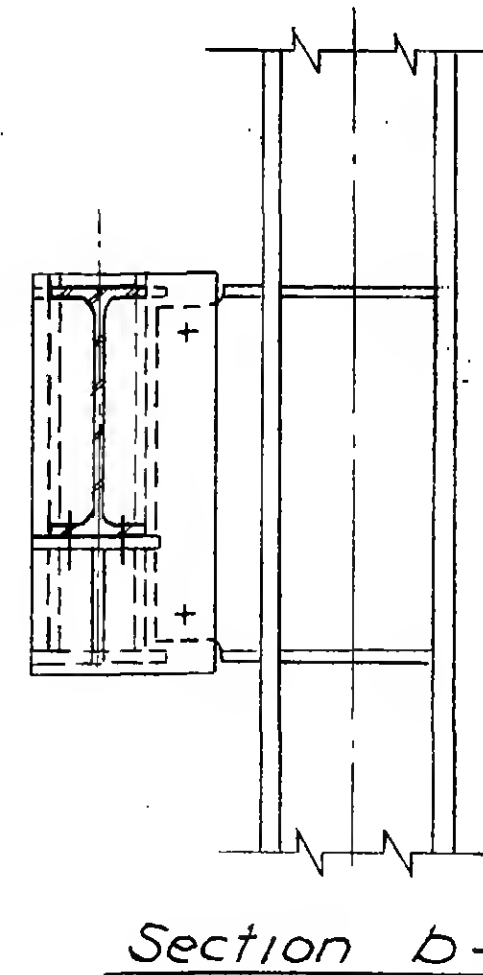
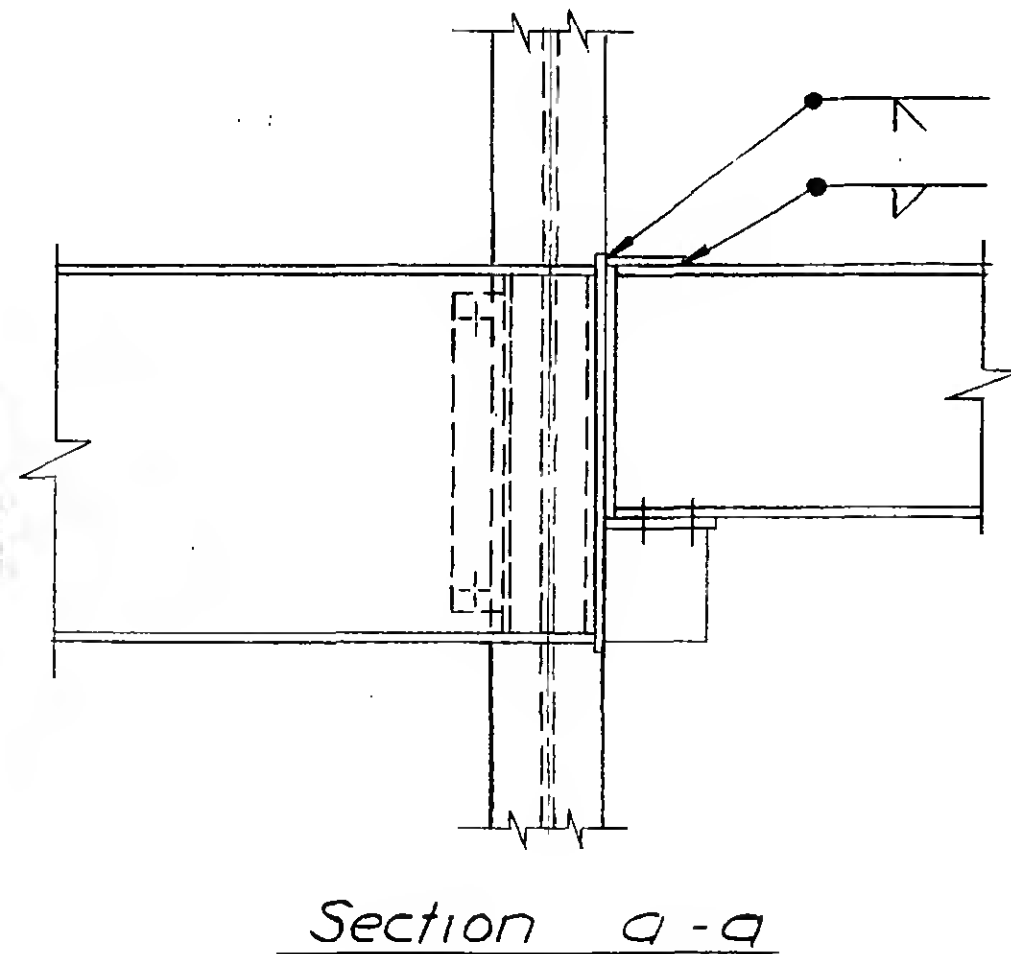
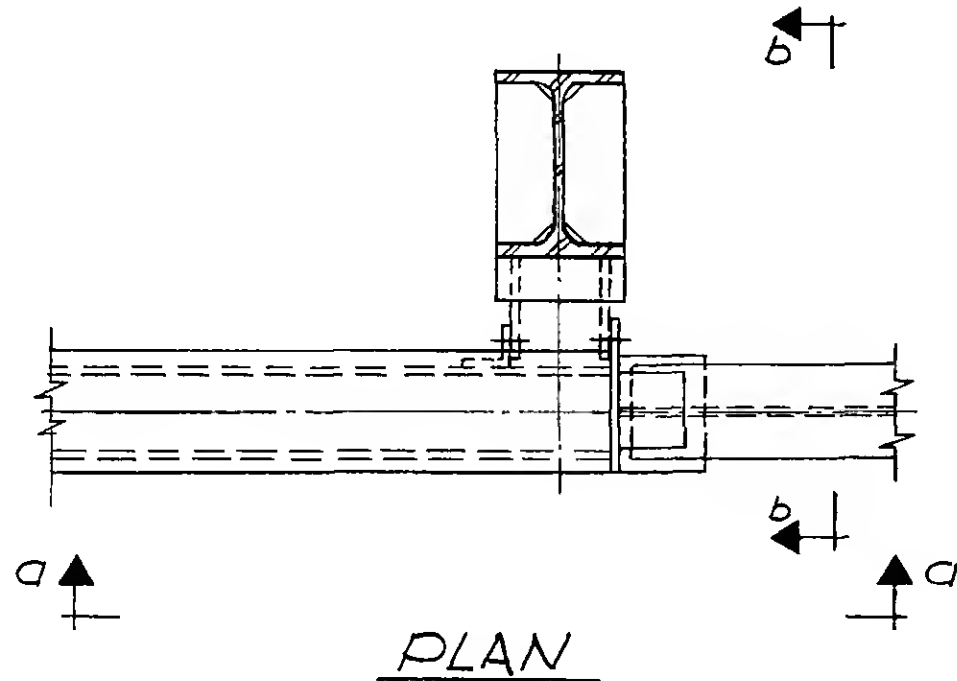
TITLE

CONNECTION DETAIL 341

DATE

7/20/67

REVISIONS



G-ABI-148

WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

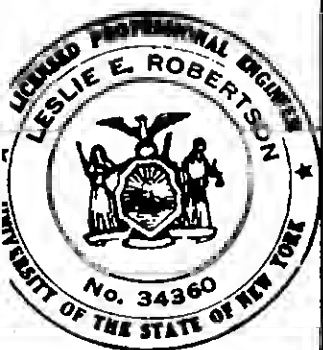
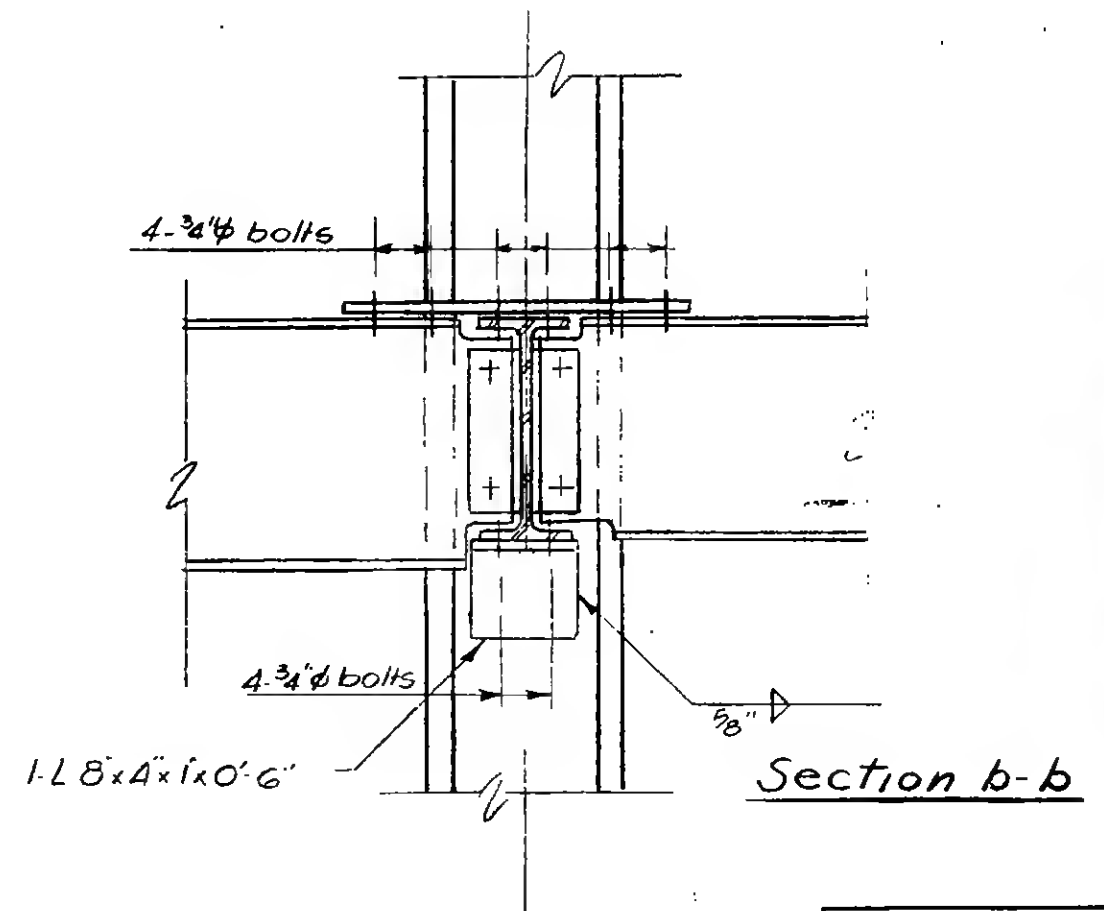
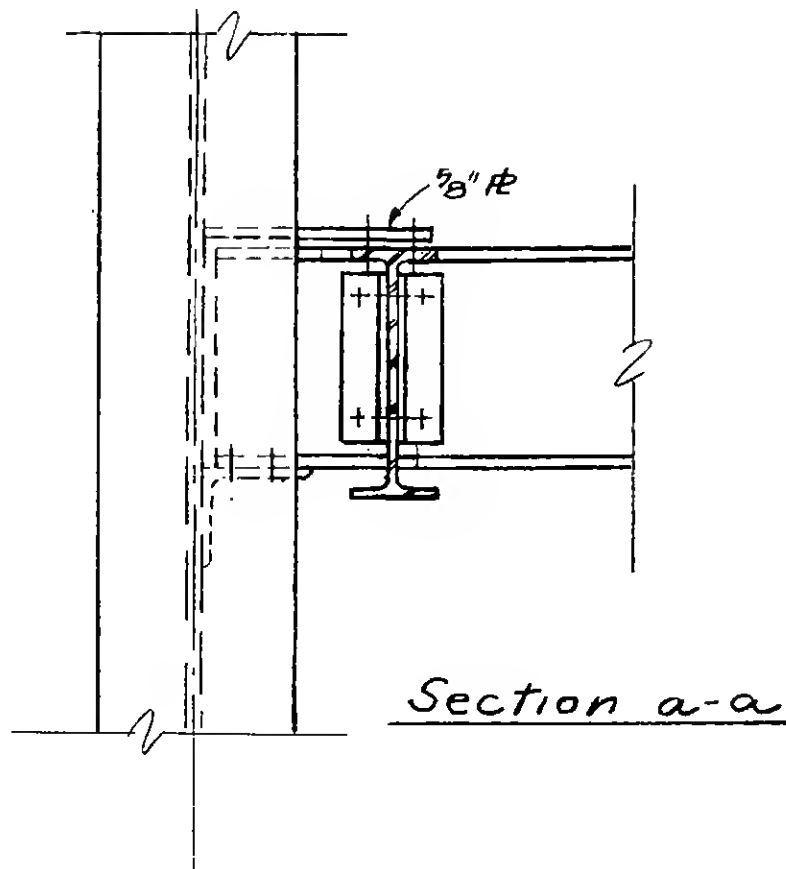
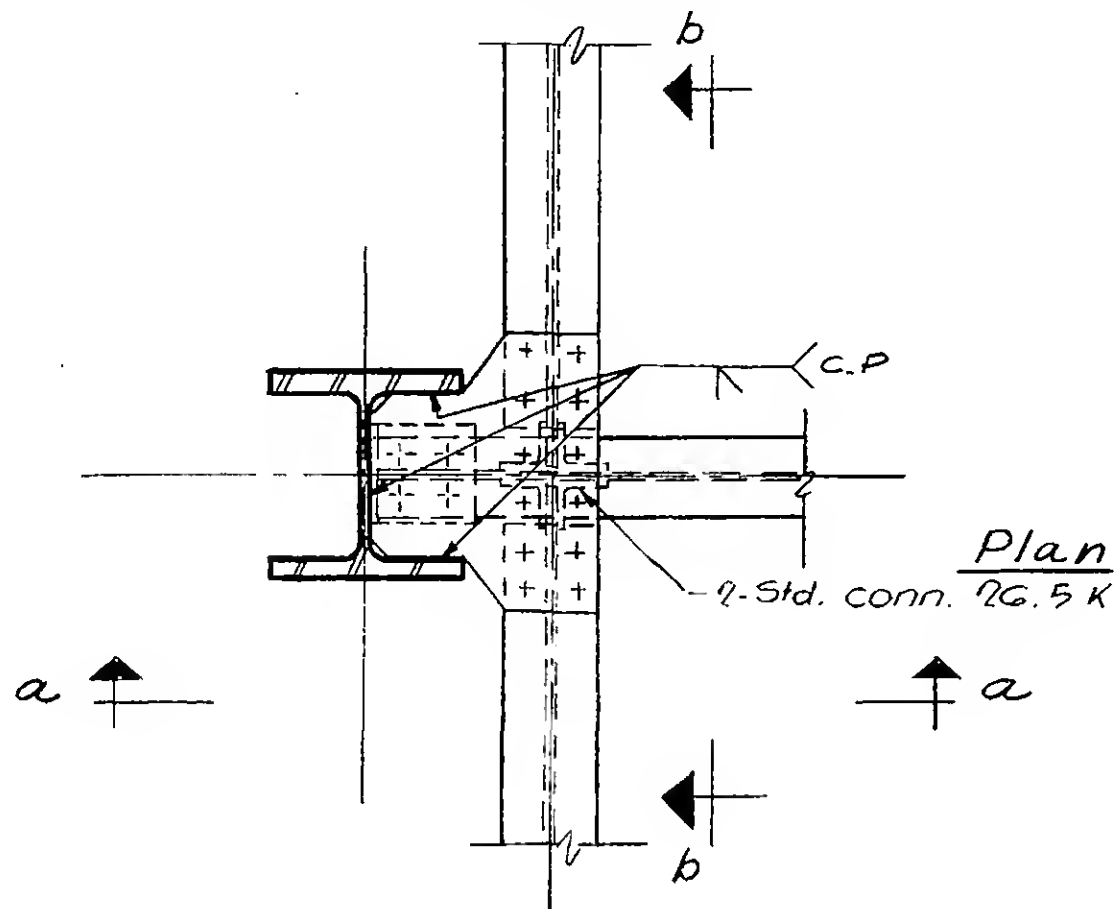
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 342A

DATE 6-30-67

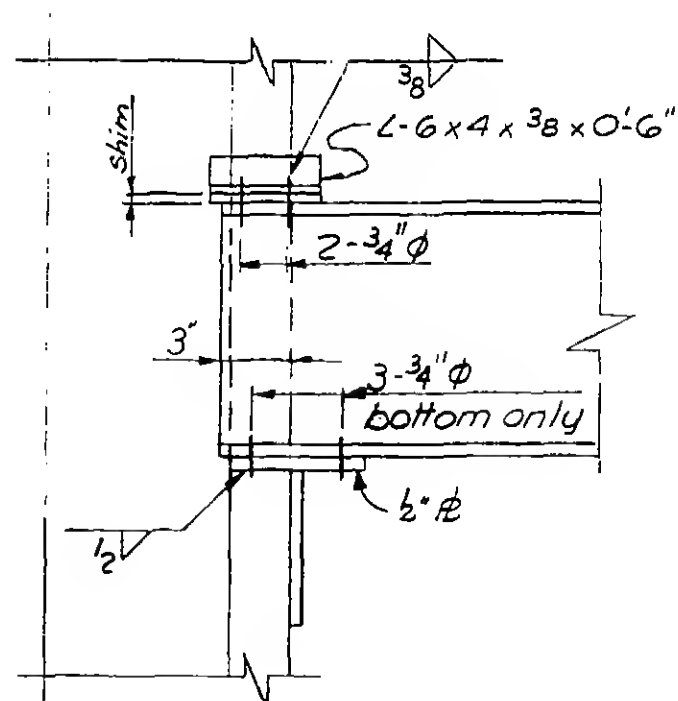
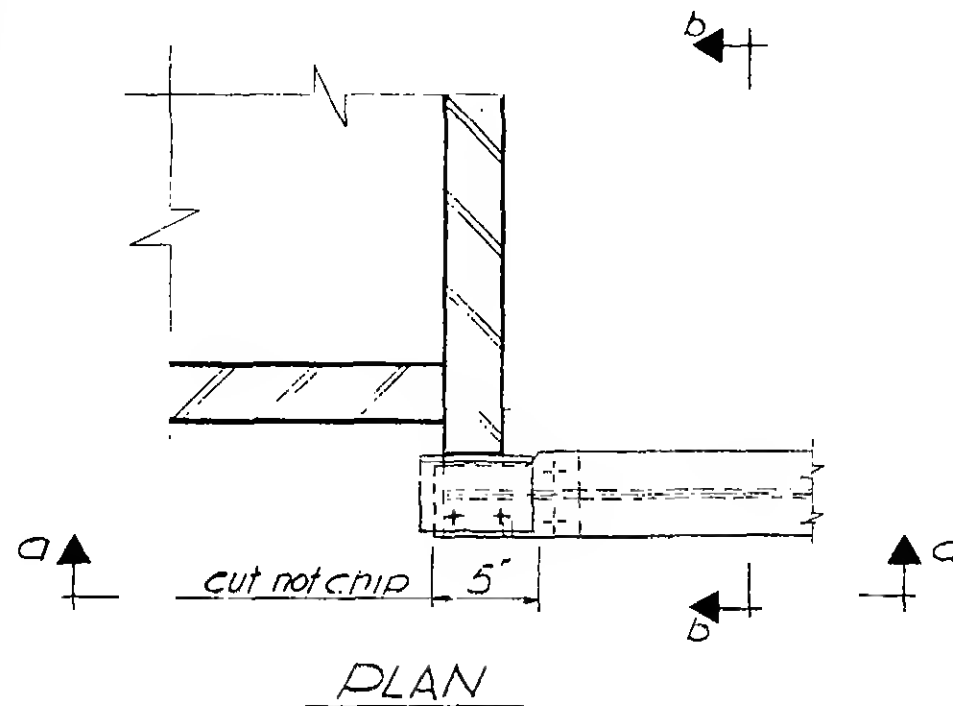
REVISIONS

10-5-67

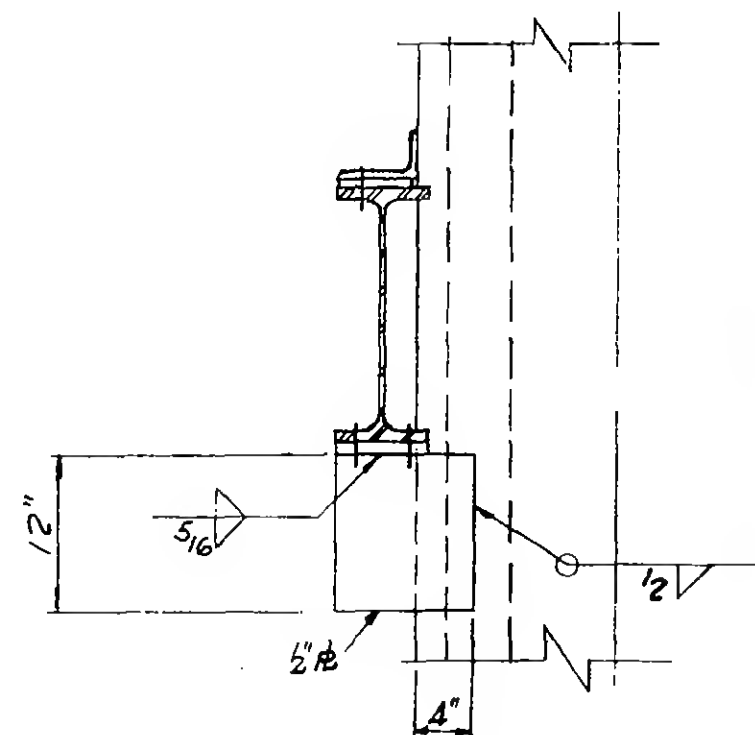


6-ABI-149

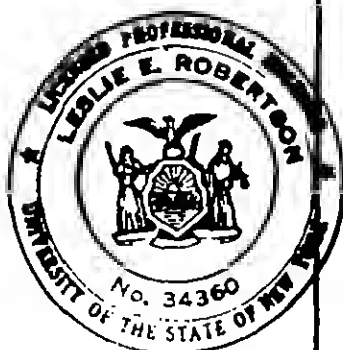
REVISIONS



Section a-a



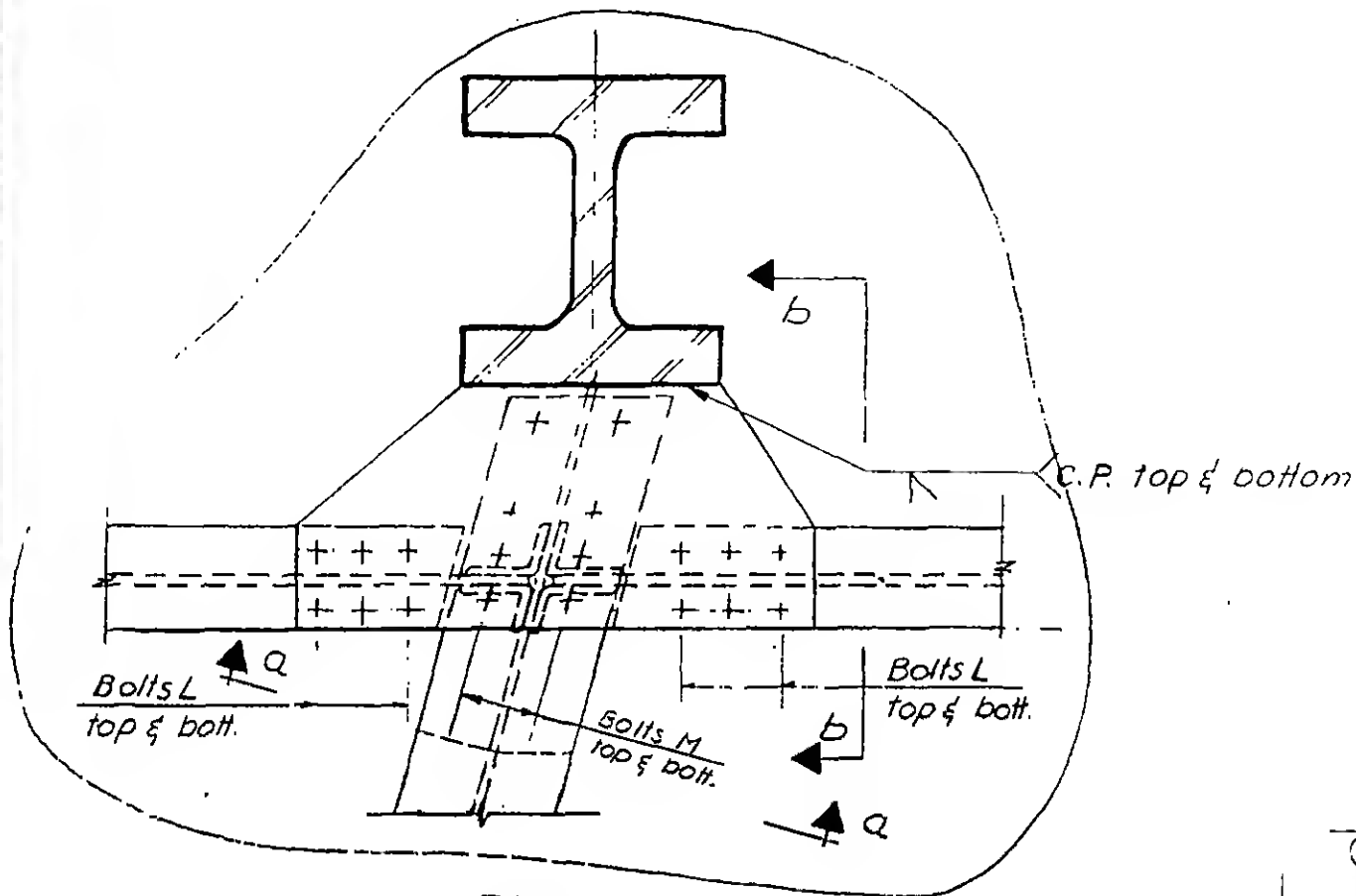
Section b-b



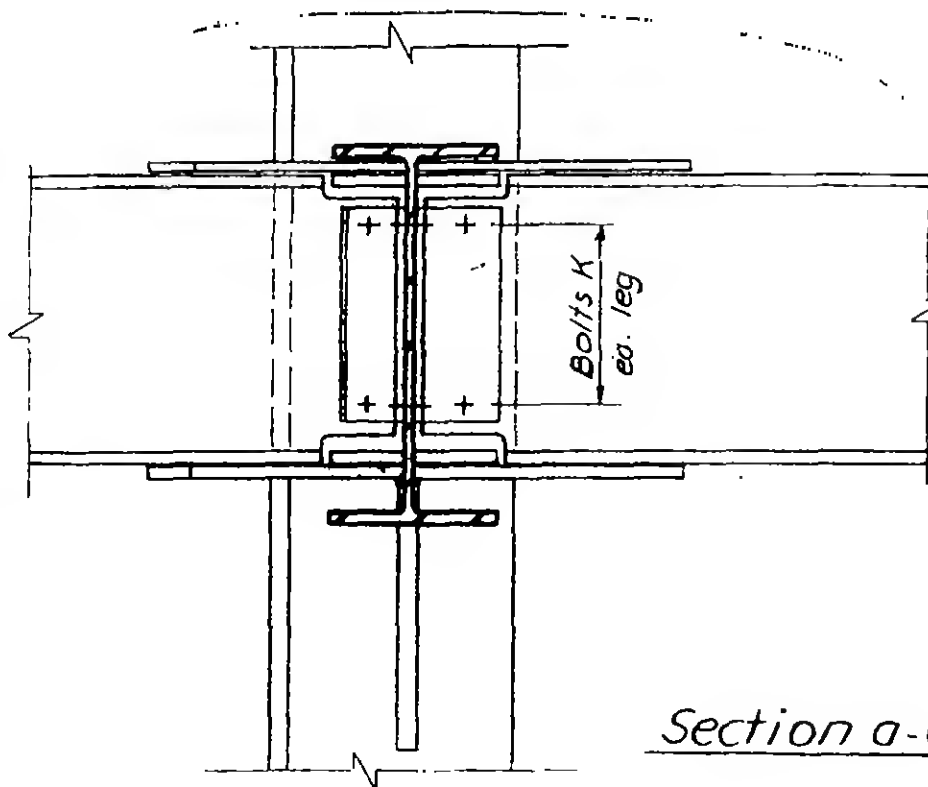
REVISIONS

9-15-67

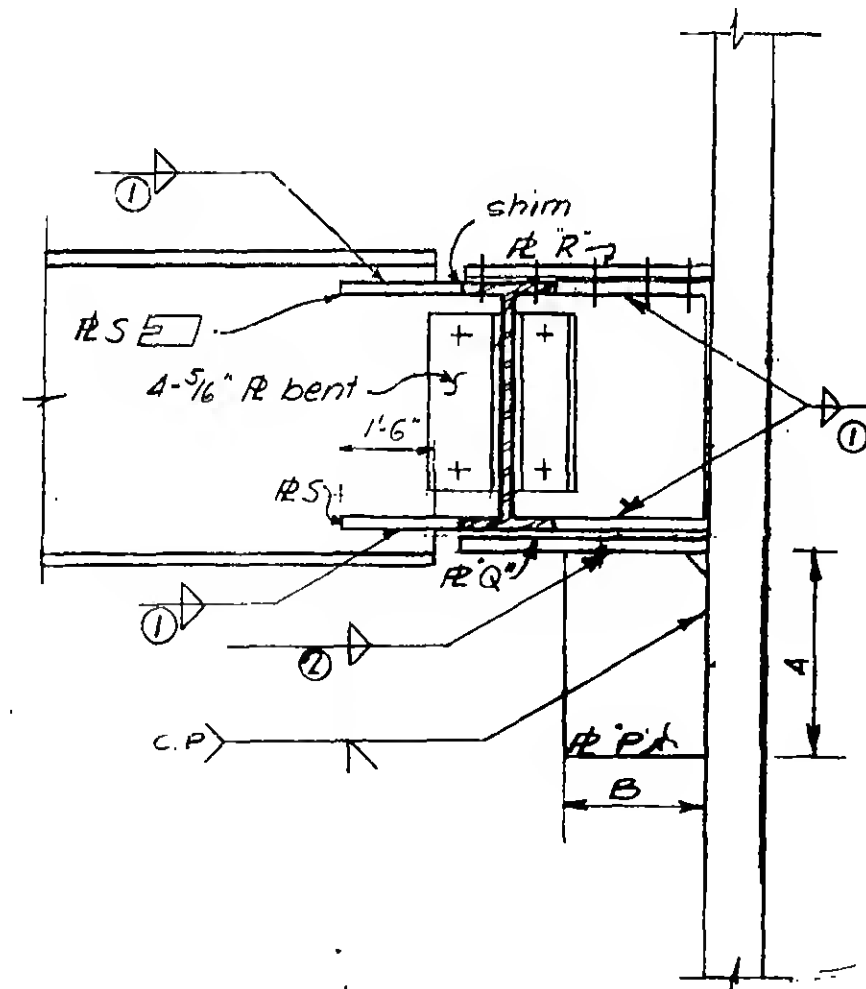
11-10-67



Plan

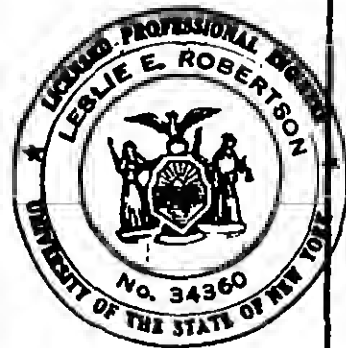


Section a-a



Section c-c

G-ABI-151



Structural & Civil Engineers

TITLE SCHEDULE FOR DETAIL 344 A

DATE 9-15-67

11-10-67

344A

PLATES

P	34"
Q	34"
R	56"
S	9 x 34"

DIMENSIONS

A	1'-6"
B	0'-7 1/2"

BOLTS

K	5-3/4" ϕ
L	6-3/4" ϕ
M	8-3/4" ϕ

WELDS

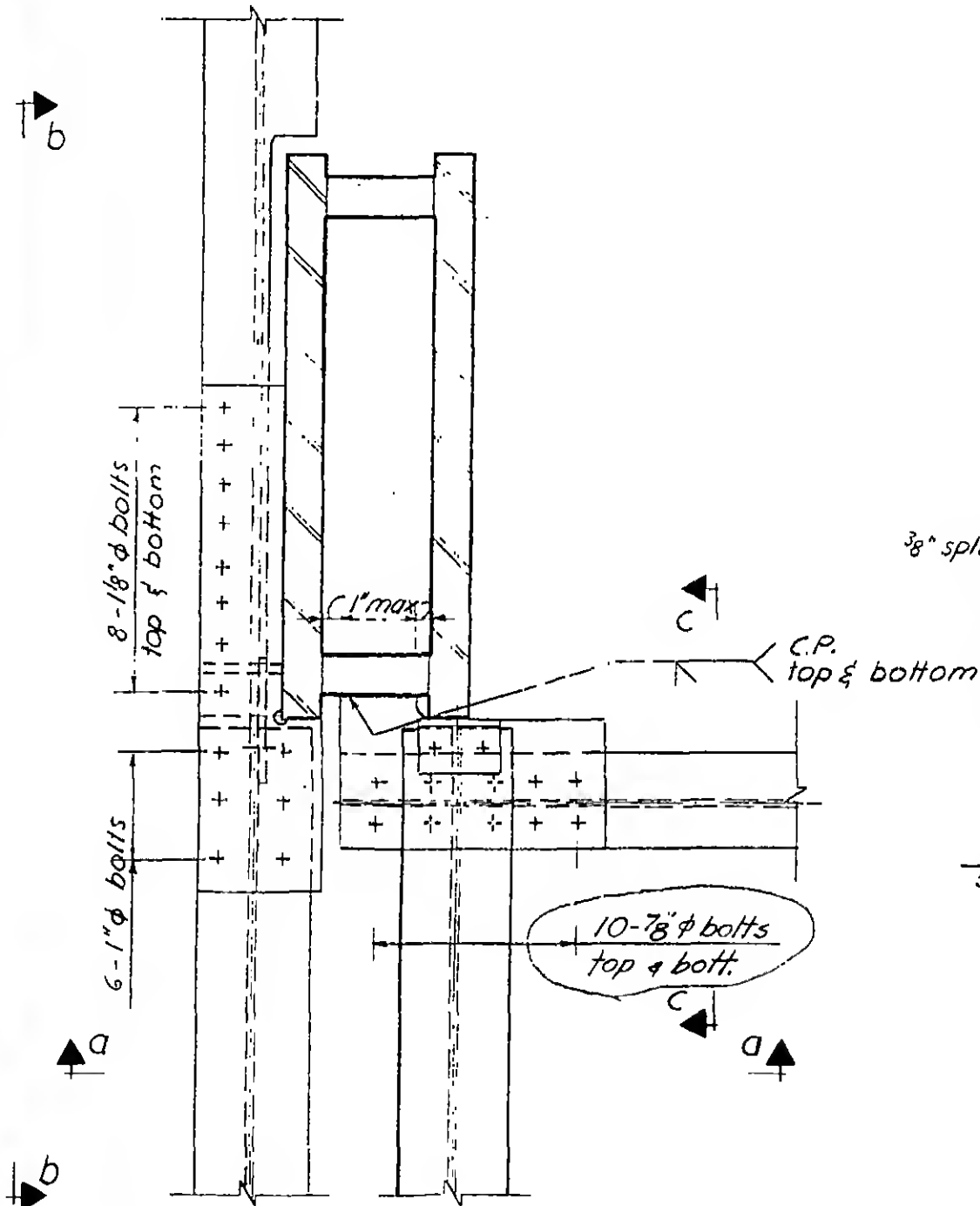
①	38
②	38

6-ABI-151.1

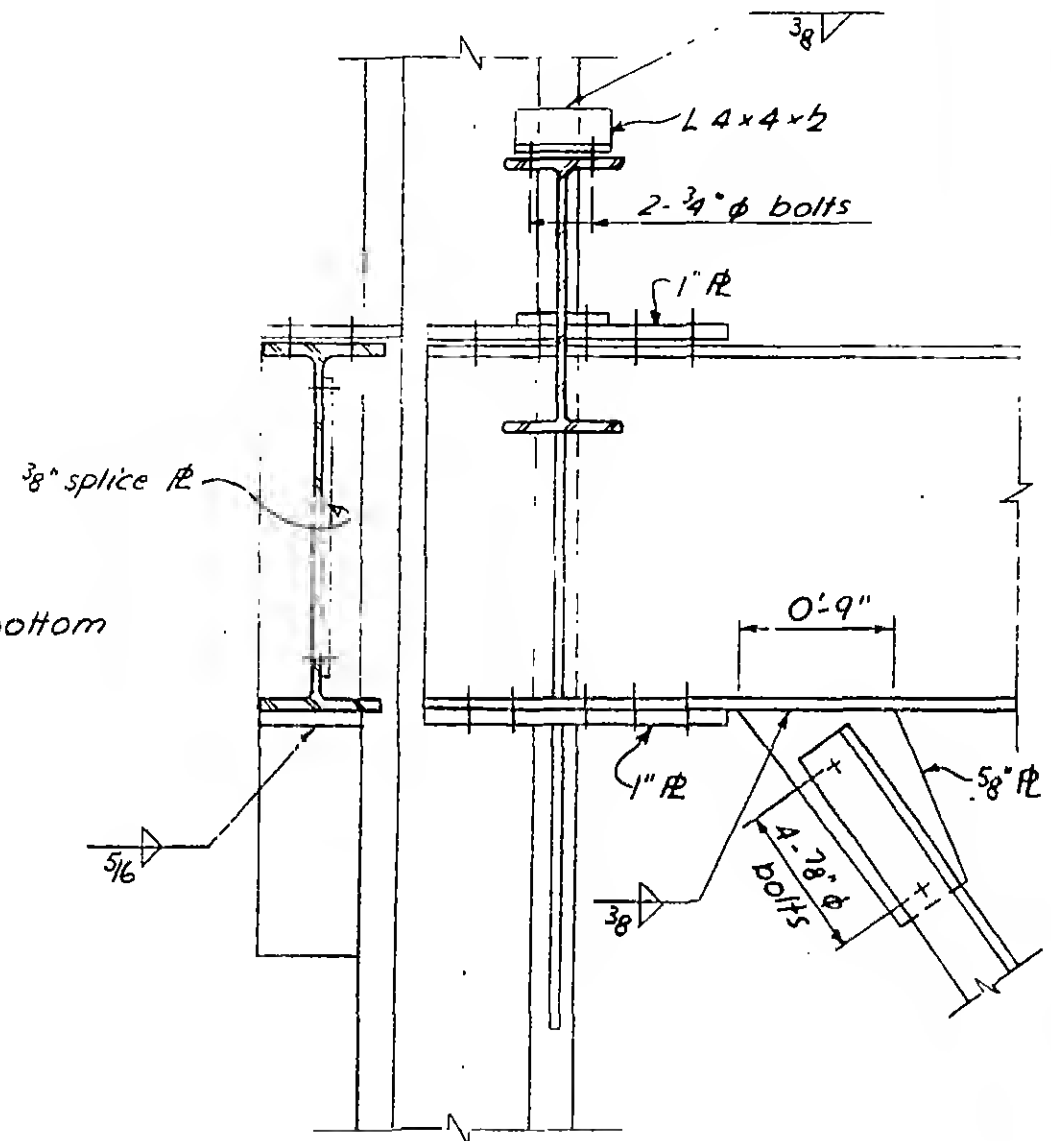
REVISIONS

12-21-67

1-24-68



Plan

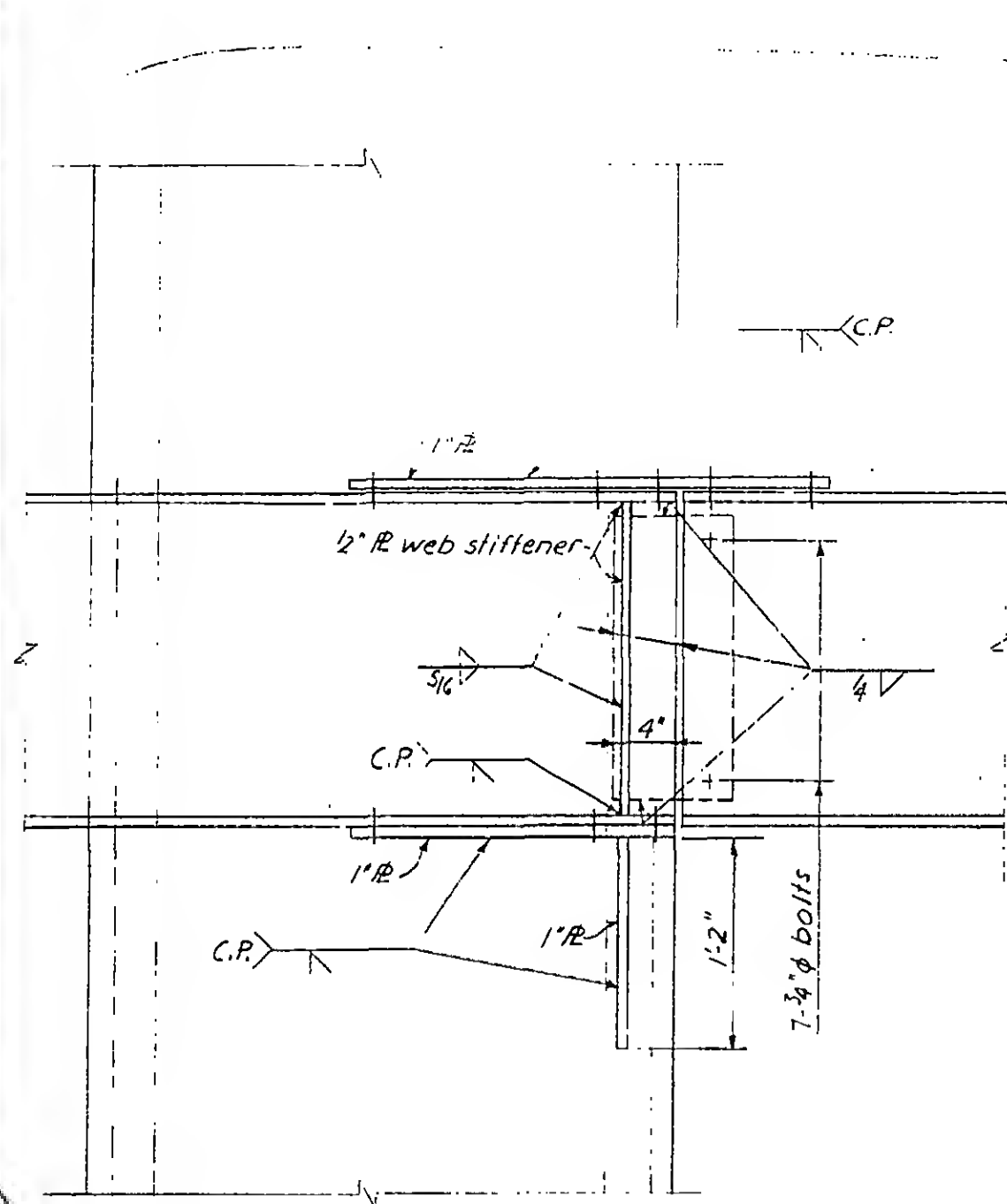


Section a-a

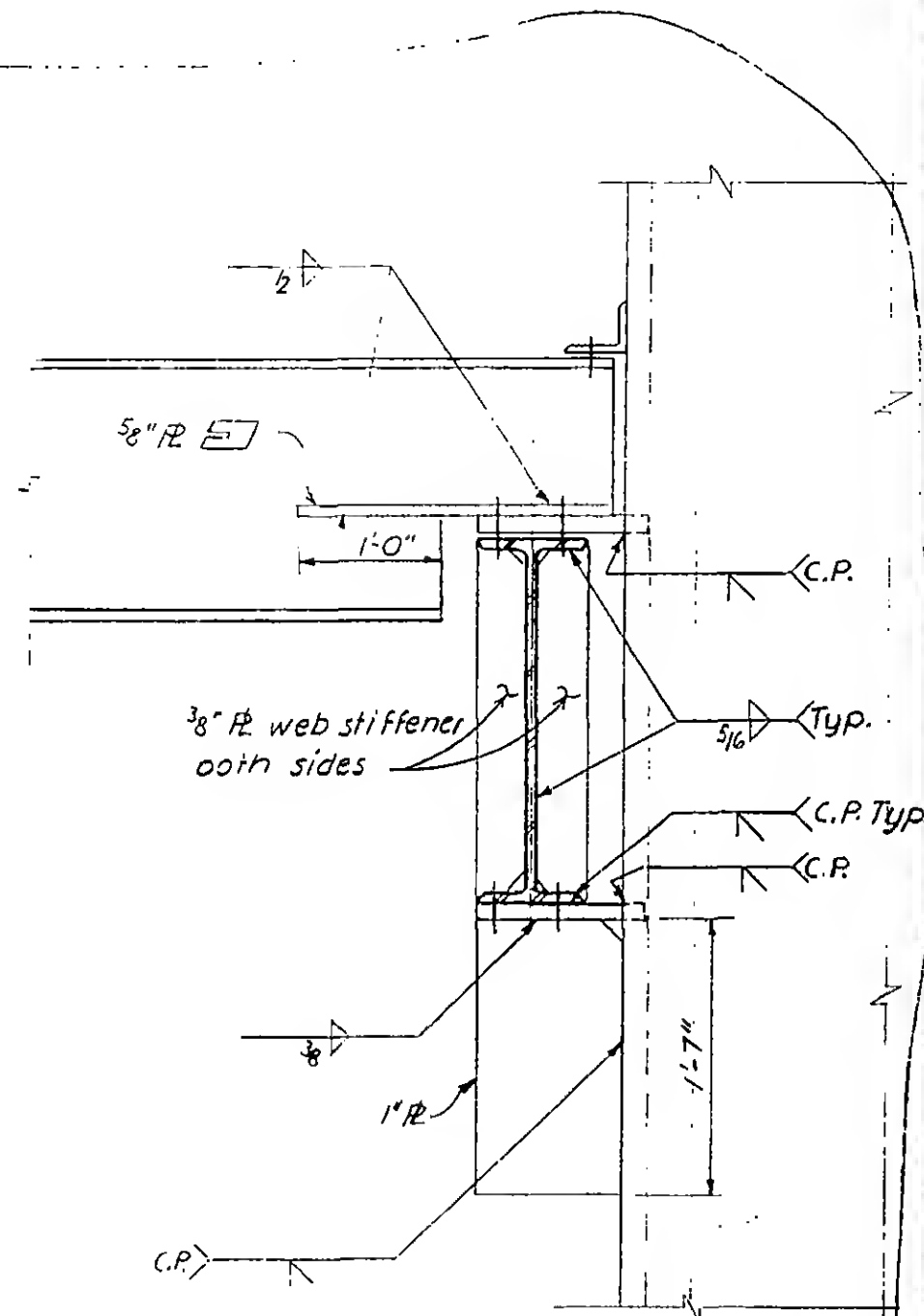
6-ABI-152

REVISIONS

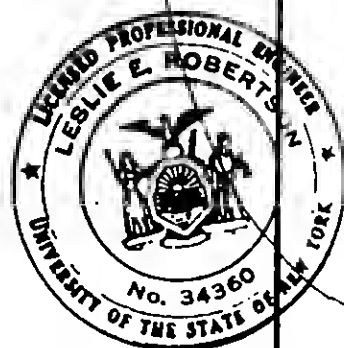
12-21-67



Section b-b

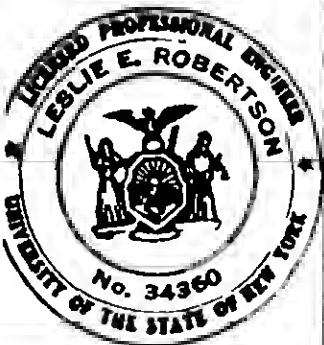
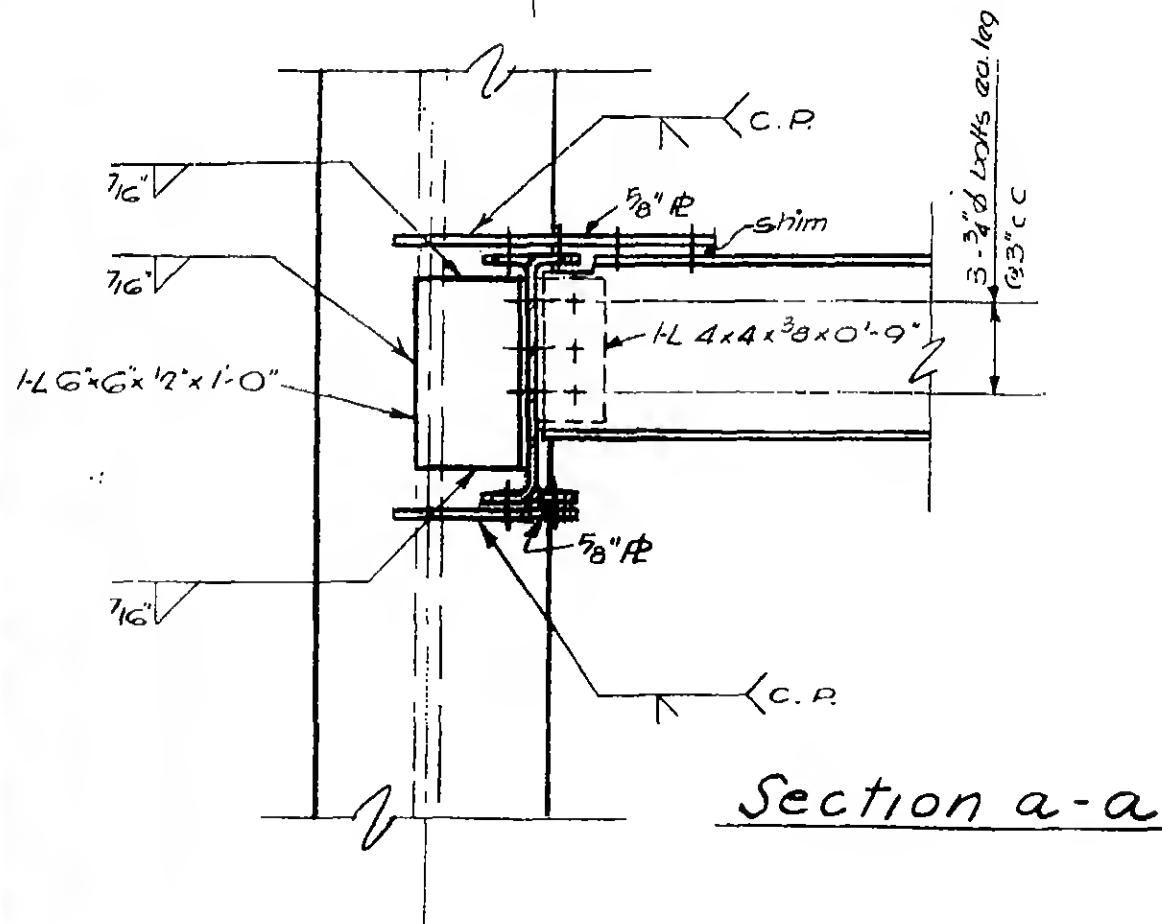
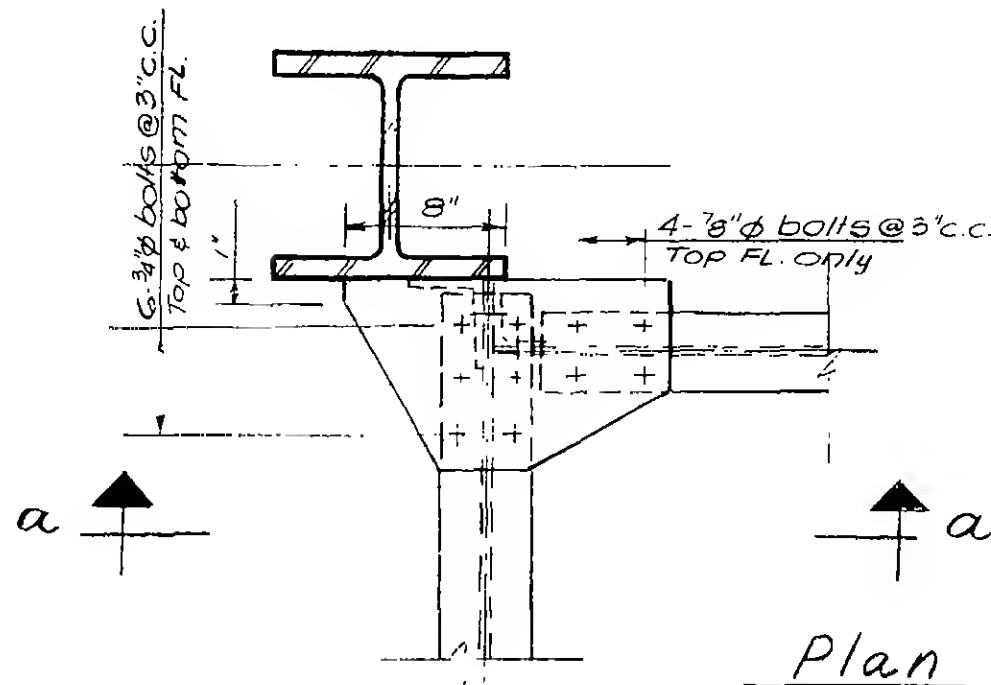


Section c-c



REVISIONS

10-5-67



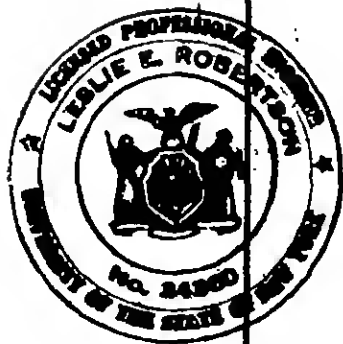
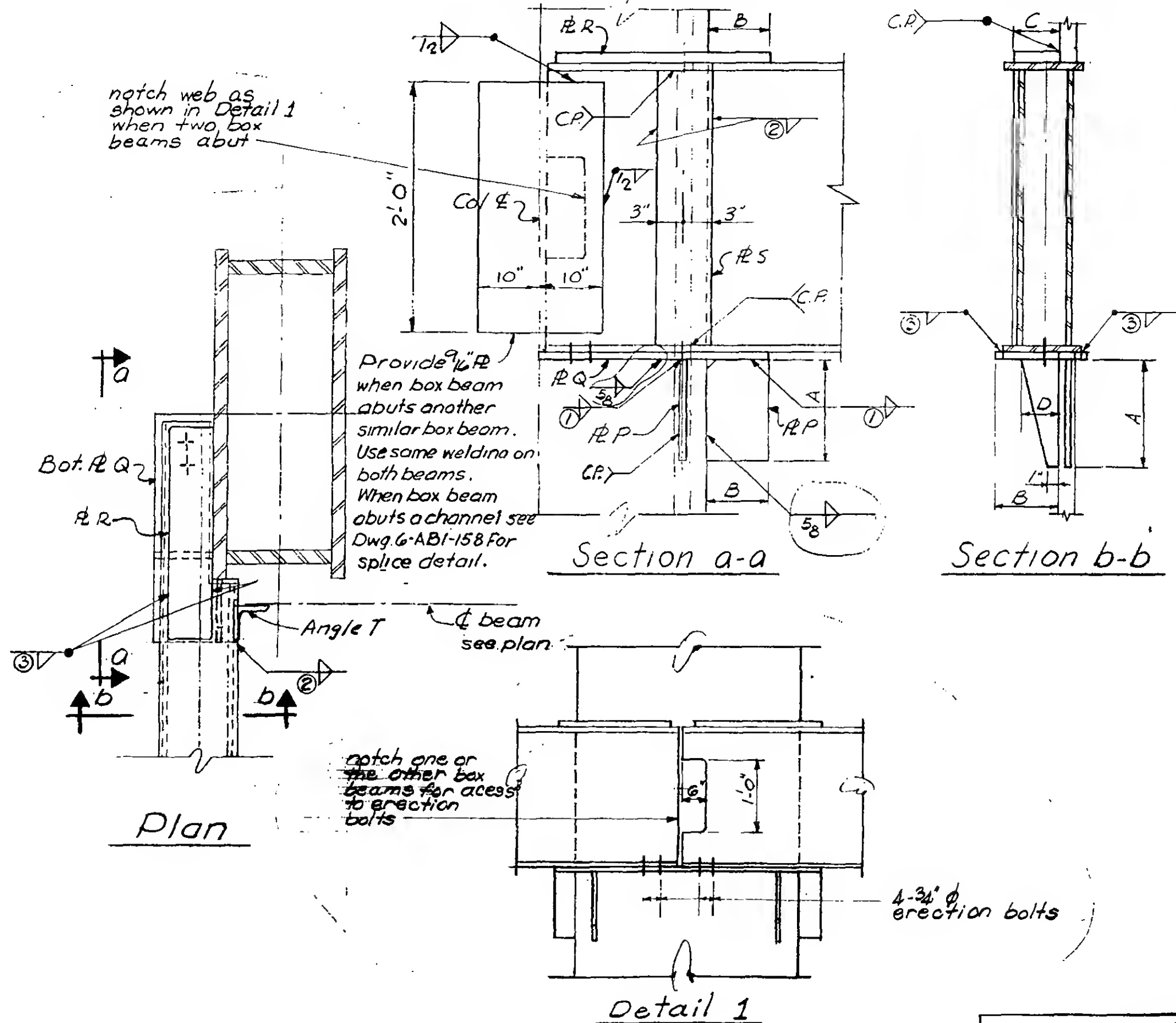
REVISIONS

7-28-67

8-5-67

9-15-67

11-14-67



WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

PROJECT *THE WORLD TRADE CENTER*

TITLE *SCHEDULE FOR DETAIL 347A*

DATE *7-28-67*

REVISIONS

347A

PLATES:

P

78"

Q

78"

R

34"

S

78"

ANGLES

T

CLIP 4x4x⁵/₁₆x0'-6"

DIMENSIONS

A

1'-0"

B

0'-7"

C

0'-5'¹/₄"

D

0'-4'¹/₂"

WELDS

①

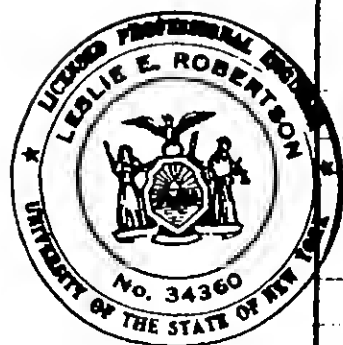
⁵/₁₆

②

¹/₄

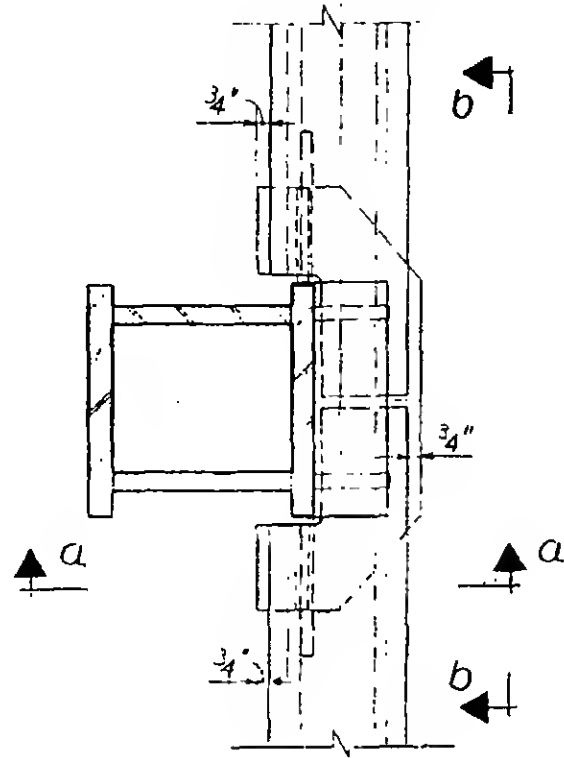
③

³/₈

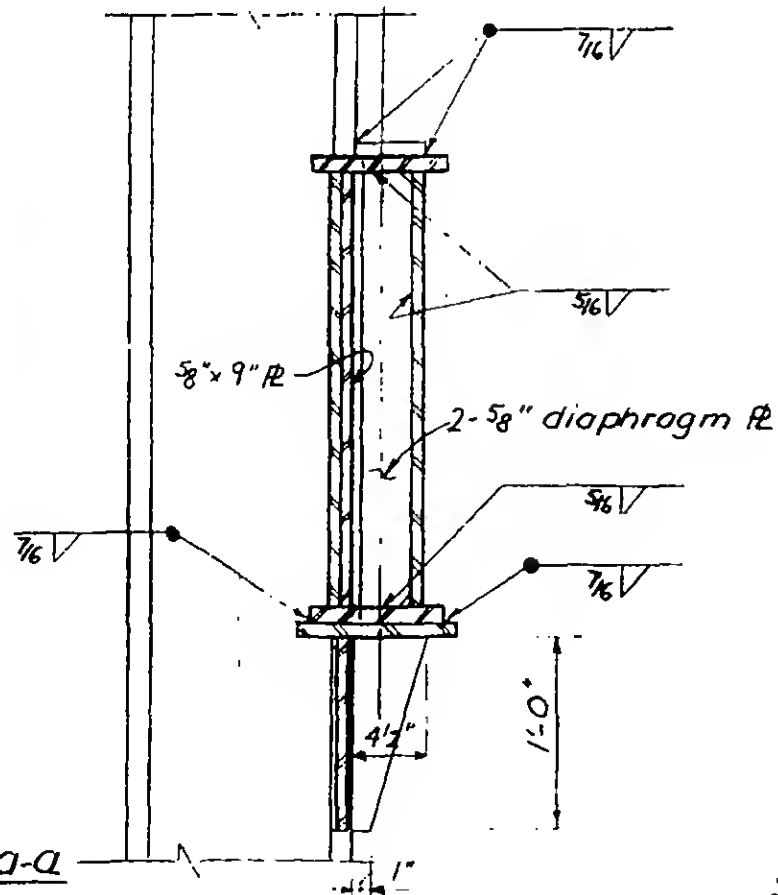


G-ABI-154.1

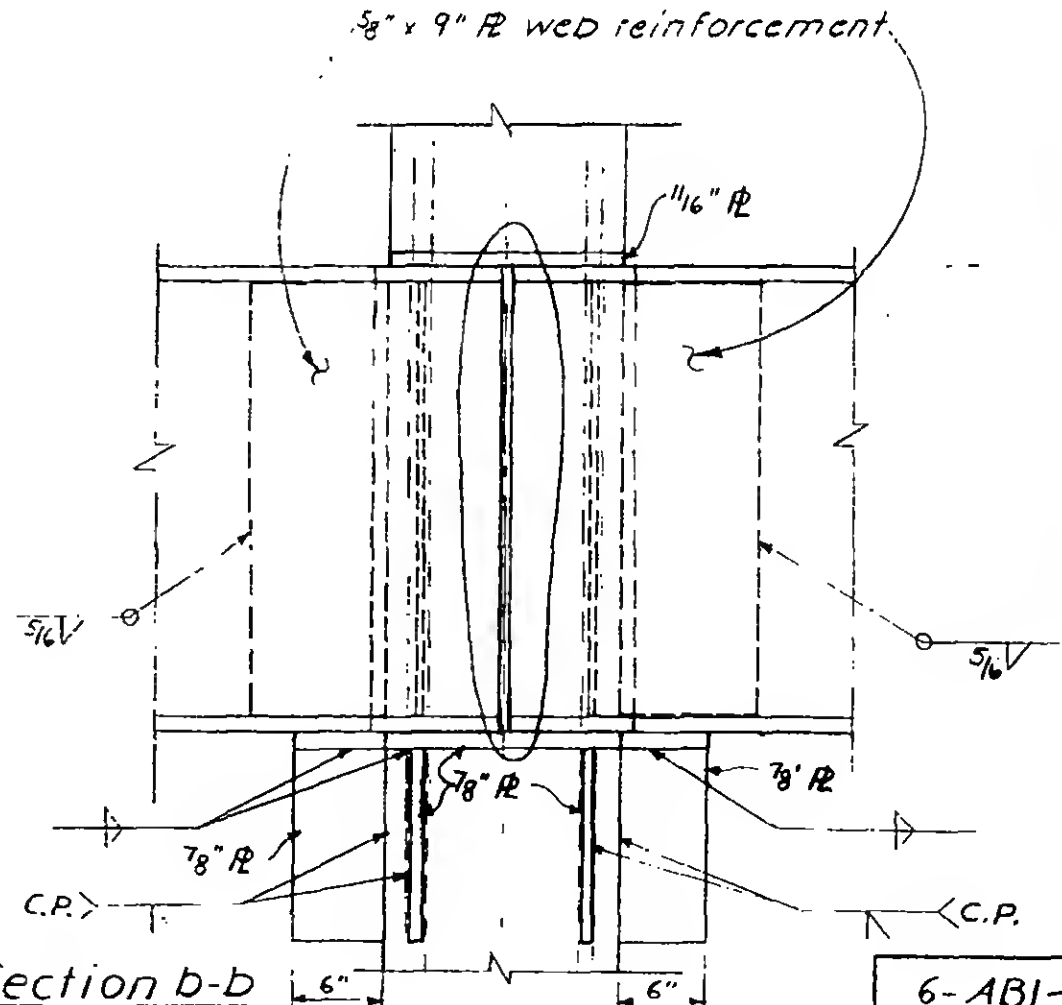
REVISIONS



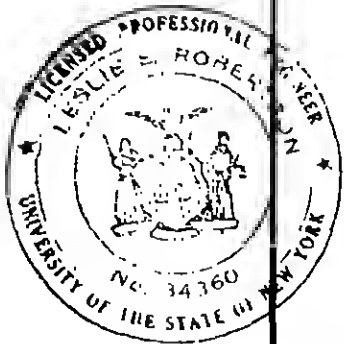
Plan



Section a-a

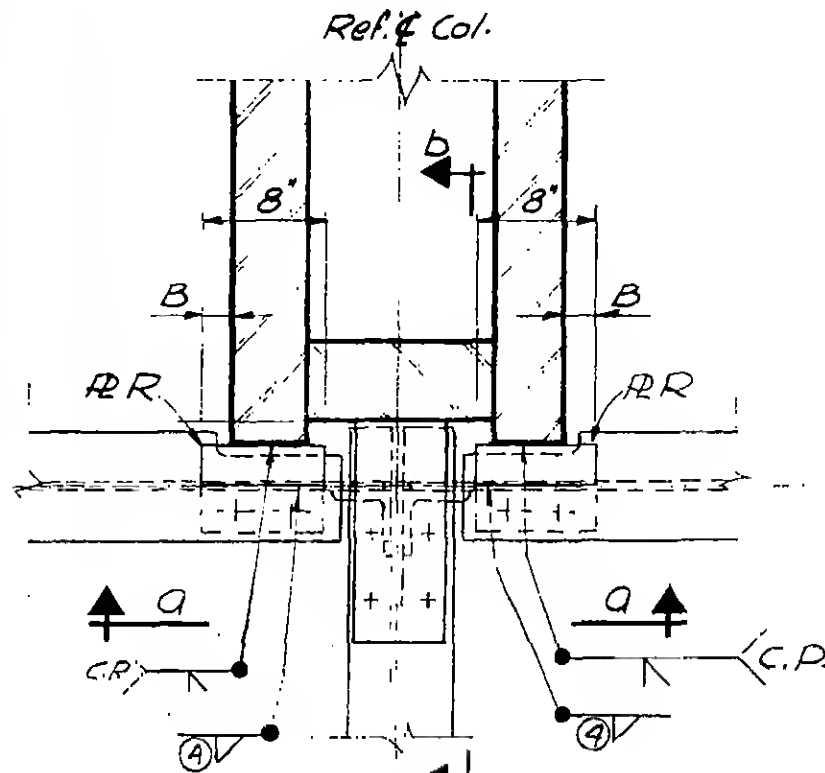


Section b-b

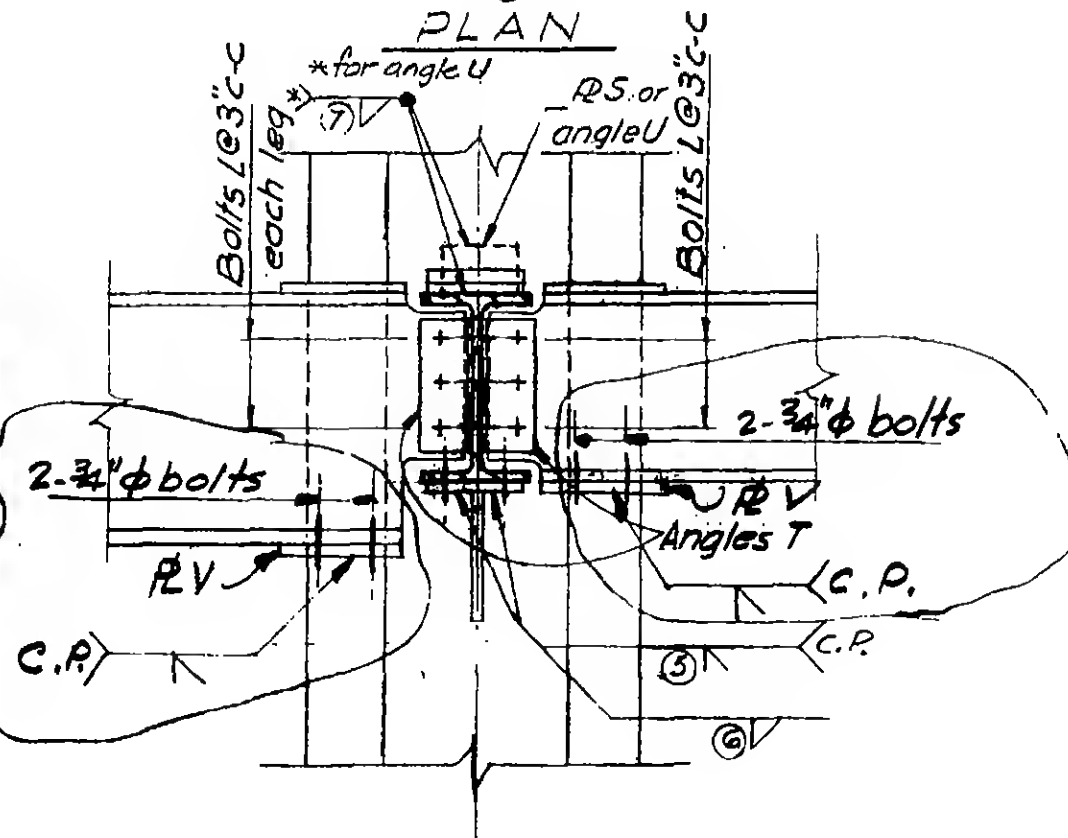


REVISIONS

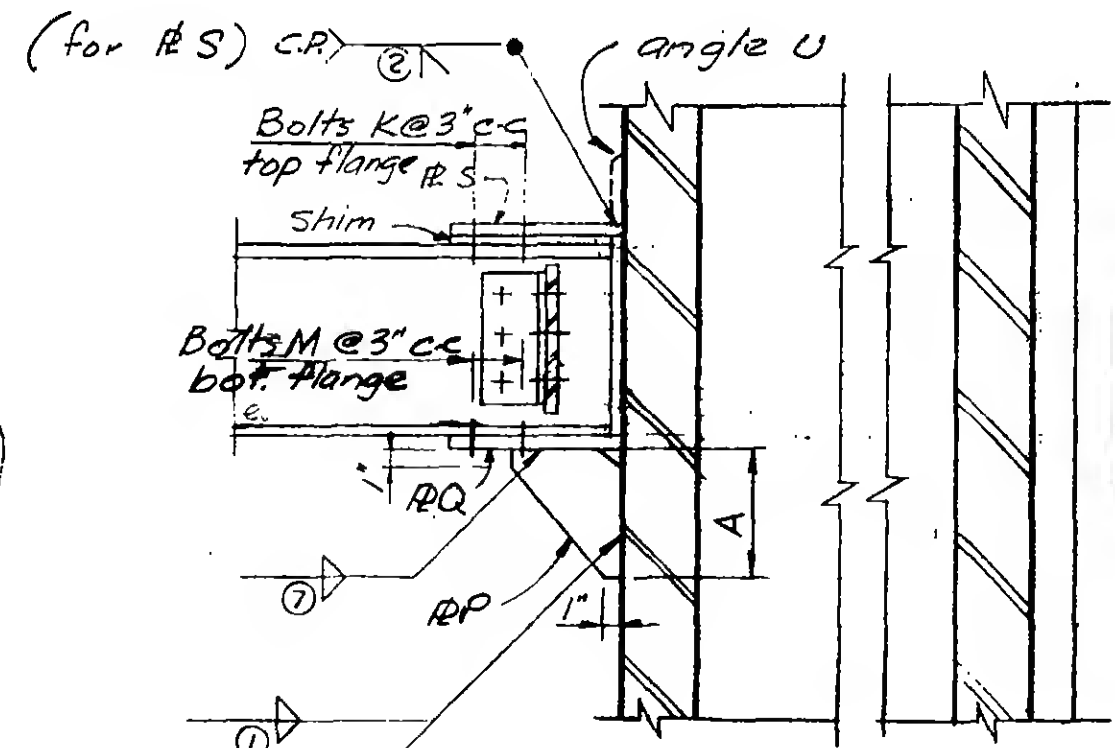
6-30-67
7-28-67



PLAN



Section a-a



Section b-b



PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 348 A & B

DATE 6-30-67

REVISIONS

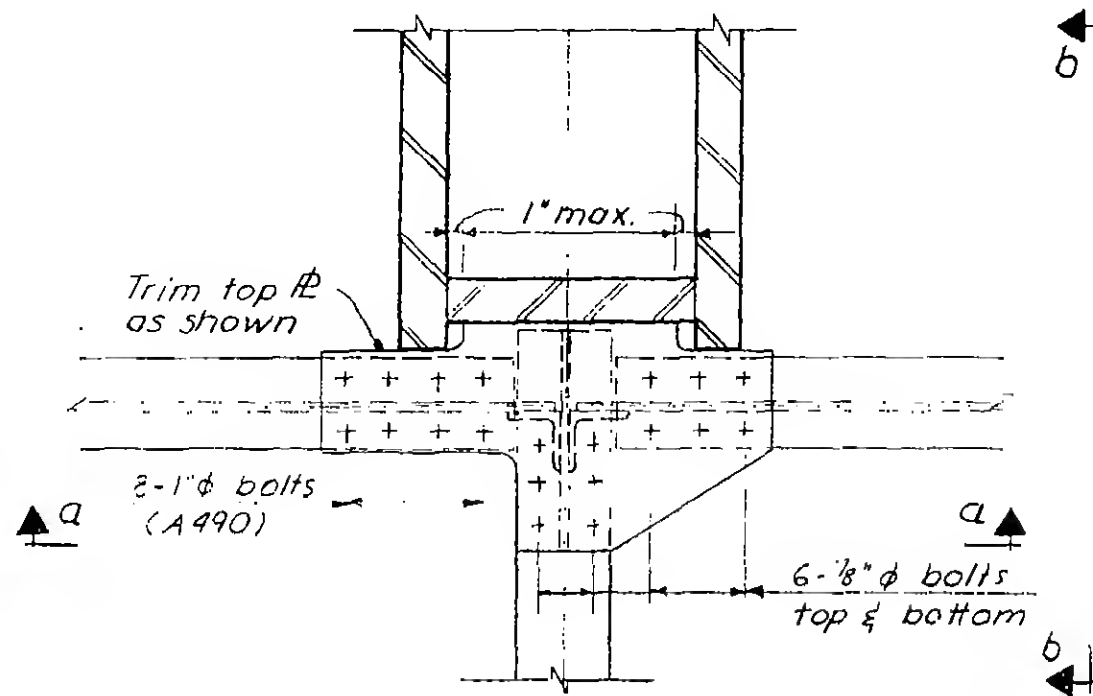
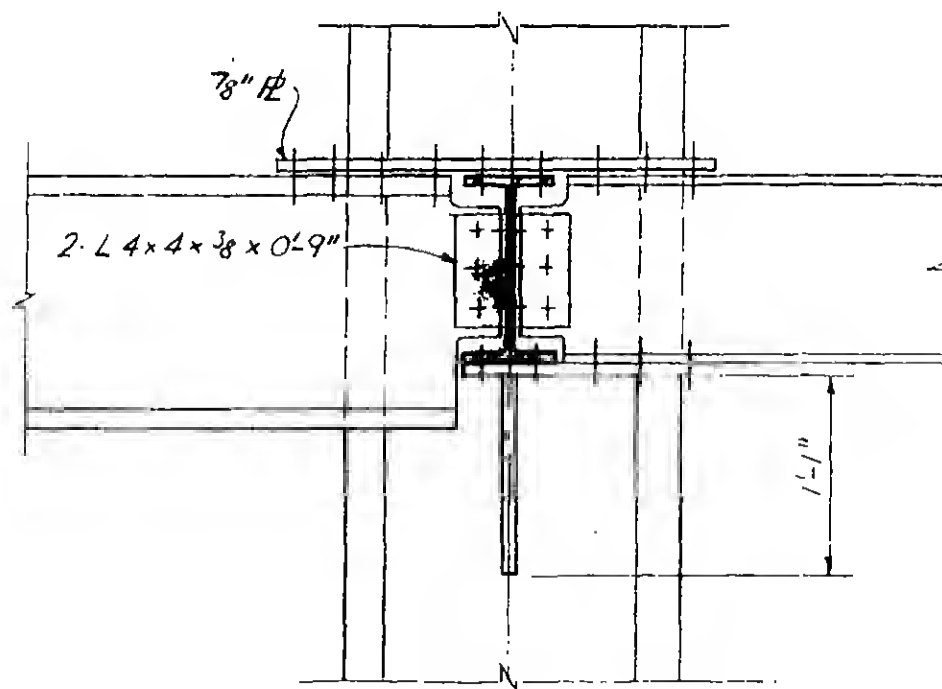
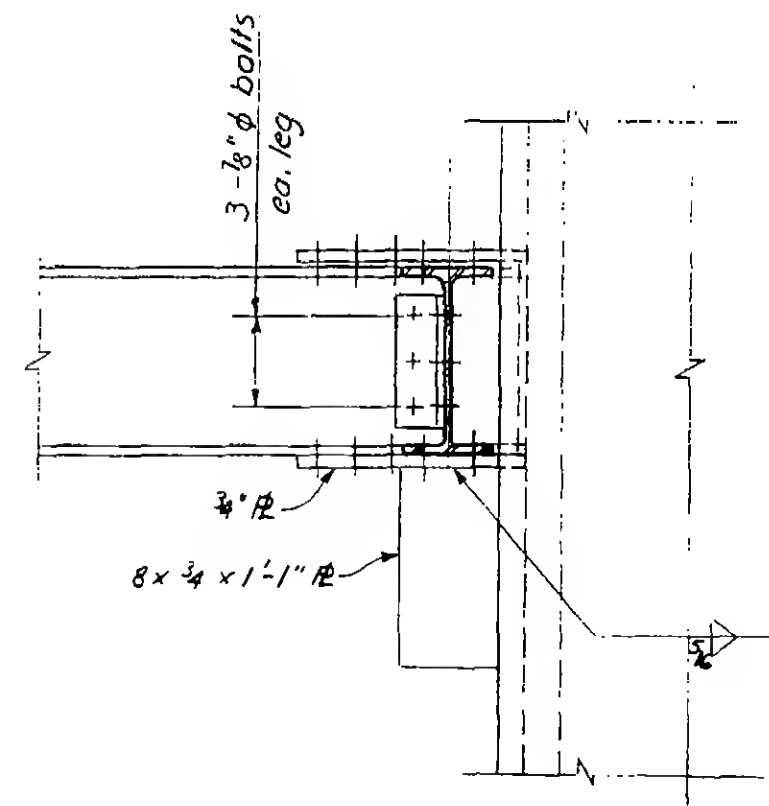
7-28-67

	348 A	348 B				
PLATES						
P	7" x 3/4"	8" x 3/4"				
Q	9" x 1/2"	8" x 3/4"				
R	22" x 7/8"	22" x 7/8"				
S	9" x 1/2"					
V	7/8"	7/8"				
ANGLES						
T	4x4x3/8x0'-9"	4x4x3/8x0'-9"				
U		4x4x5/16x0'-5"				
DIMENSIONS						
A	1'-1"	1'-1"				
B	0'-2"	0'-2"				
BOLTS						
K	6-1"φ(A325)					
L	3-7/8"φ(A325)	3-7/8"φ(A325)				
M	6-1"φ(A325)	4-3/4"φ(A325)				
WELDS						
①	C.P.					
③	C.P.	C.P.				
④	1/2	1/2				
⑤	E.P.	C.P.				
⑦	5/16	5/16				

6-ABI-155.1

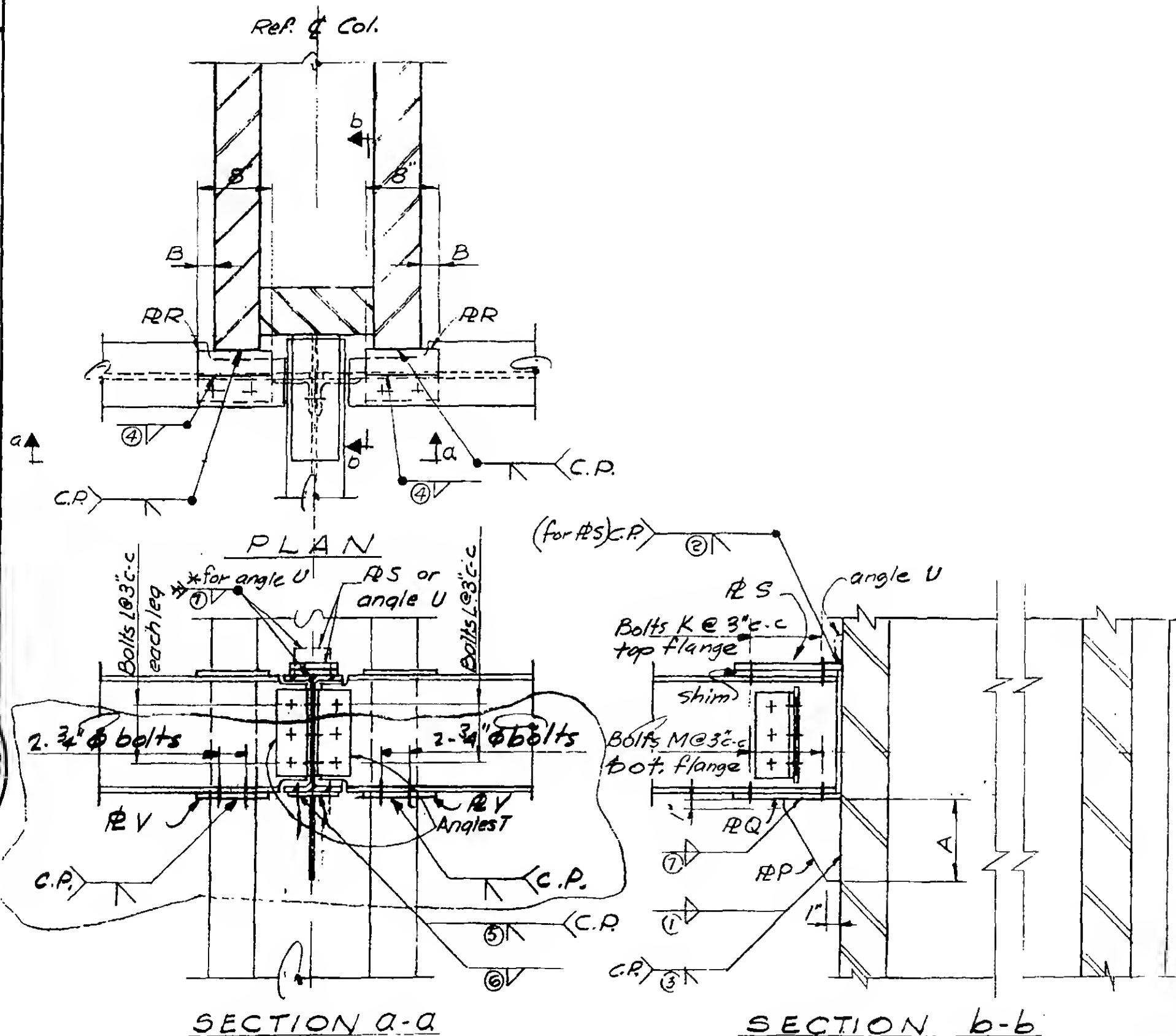


REVISIONS

PlanSection a-aSection b-b

REVISIONS

6-30-67
T-2867



Structural & Civil Engineers

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE	SCHEDULE FOR DETAIL 349 A
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DATE 6-30-67

REVISIONS

7-28-67

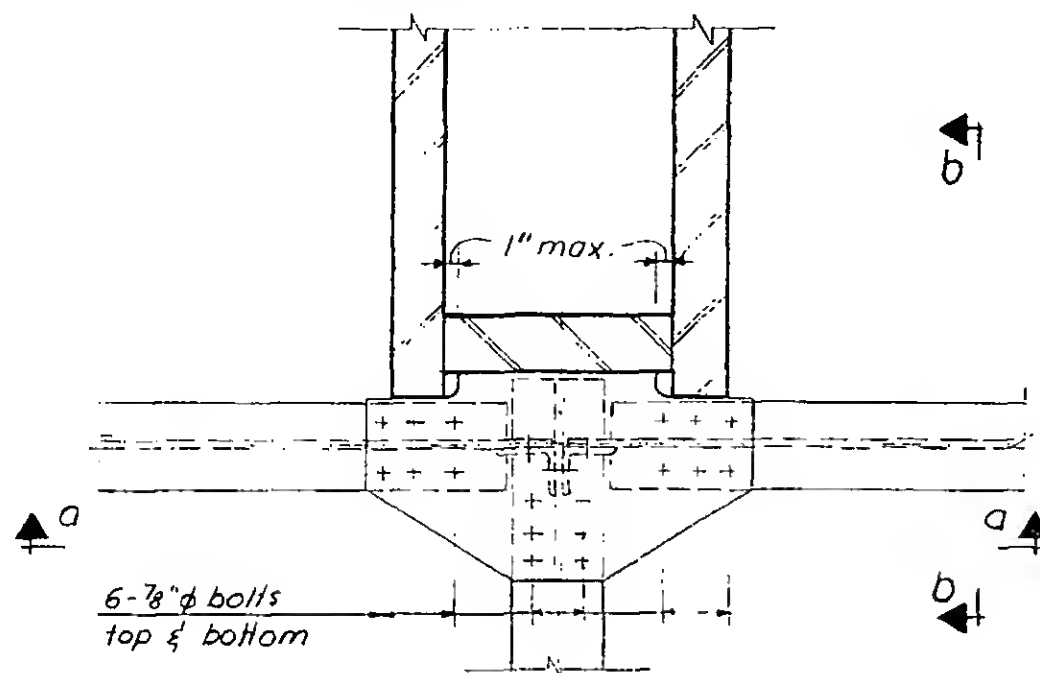
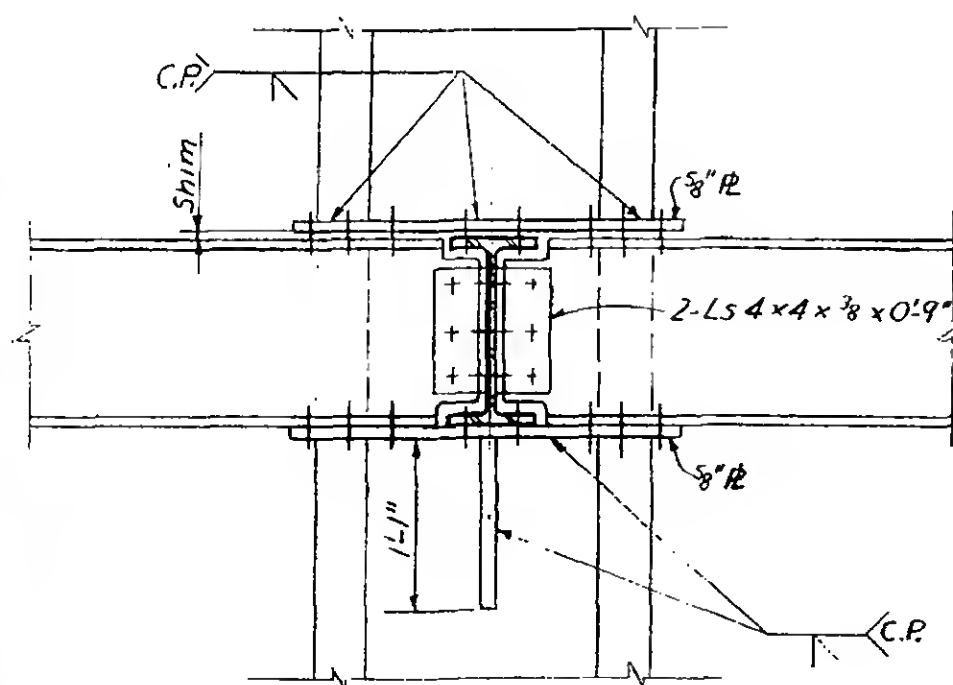
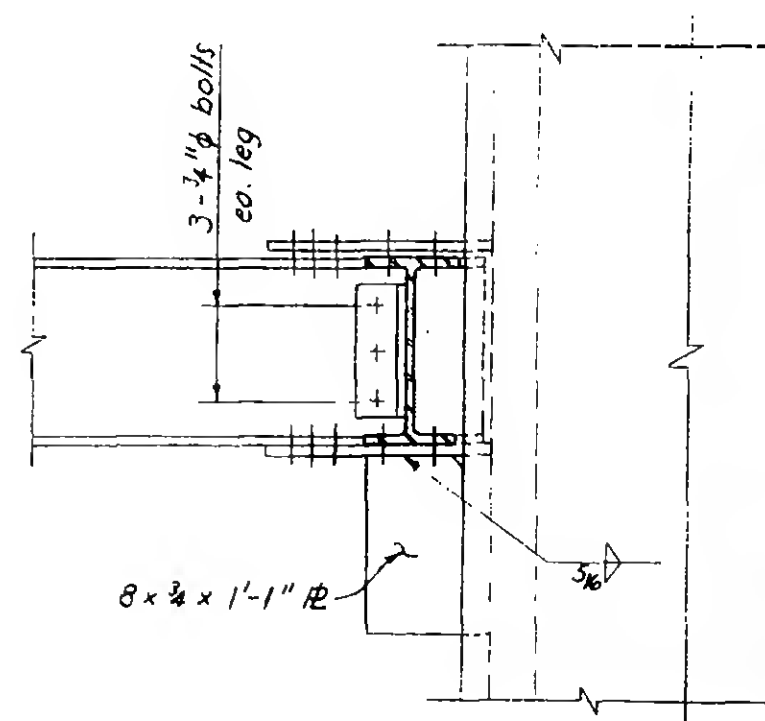
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PROJECT THE WORLD TRADE CENTER

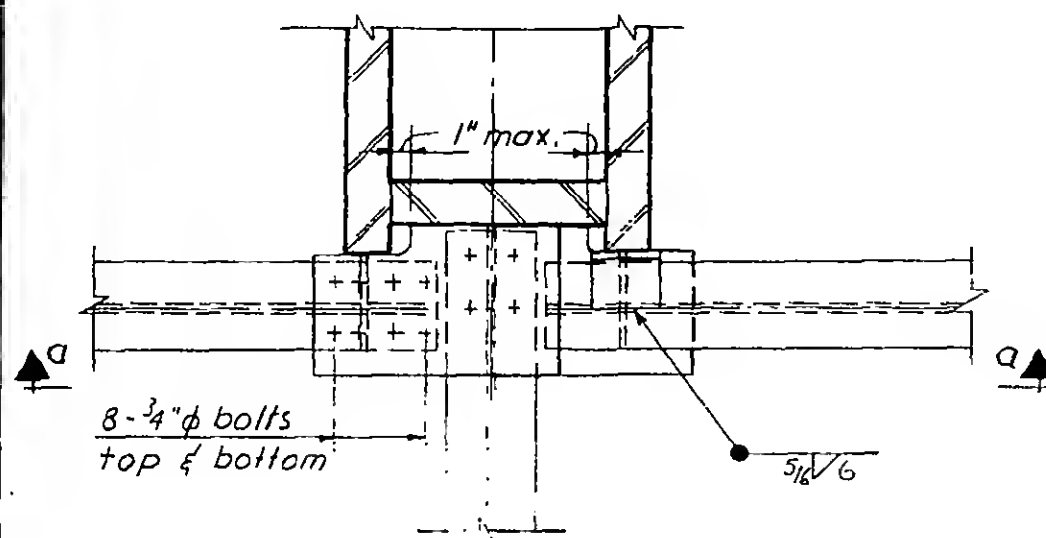
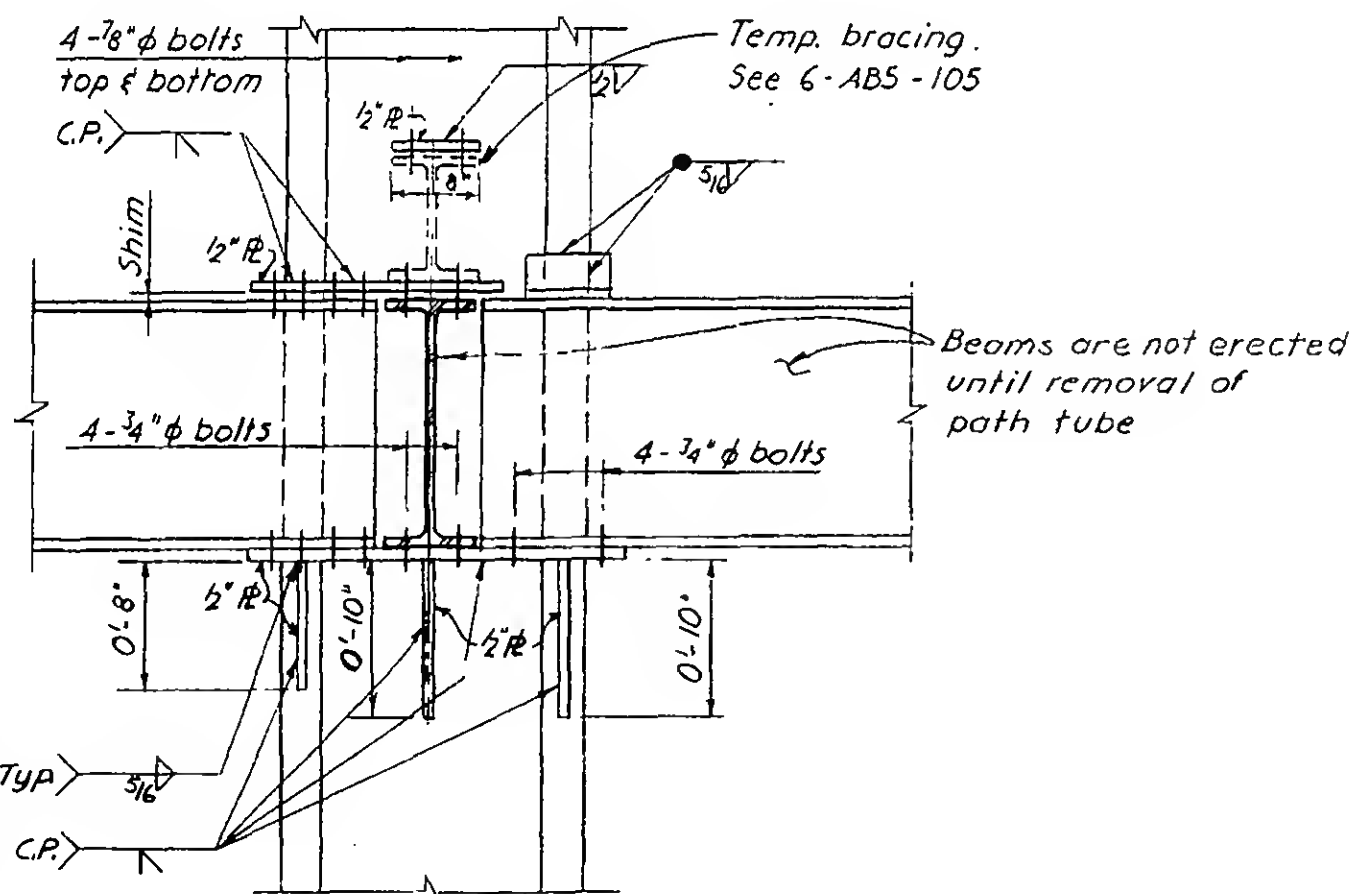
TITLE CONNECTION DETAIL 349B

DATE 2-9-68

REVISIONS

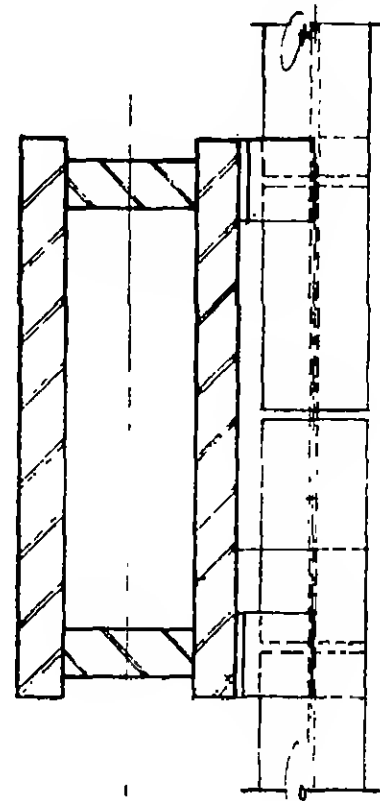
PlanSection a-aSection b-b

REVISIONS

PlanSection a-a

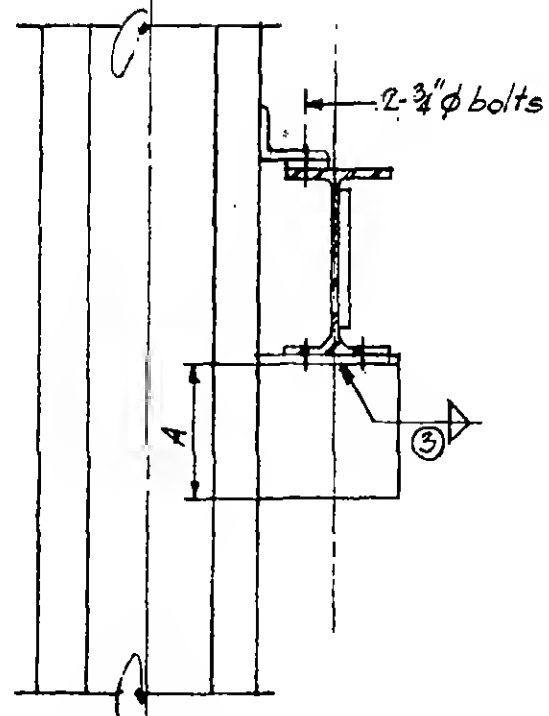
REVISIONS

7-28-67

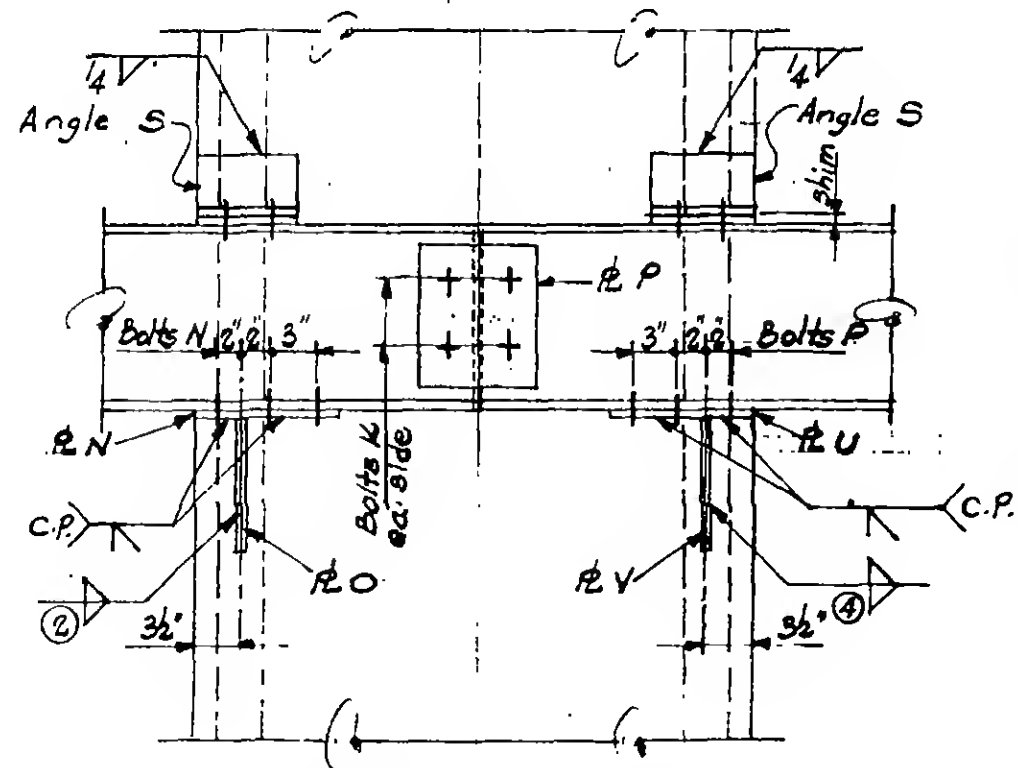


$\uparrow a$ $\uparrow b$

PLAN:



SECTION a-a



SECTION b-b



G-AB1-157

WORTHINGTON, SKILLING, HELLE & JACKSON

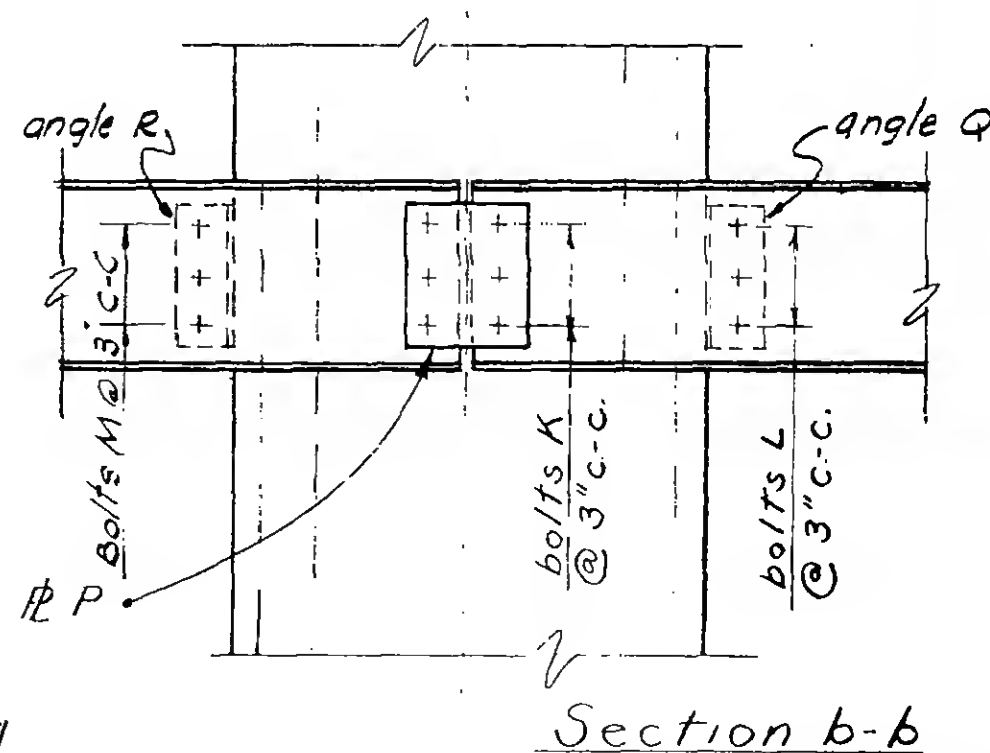
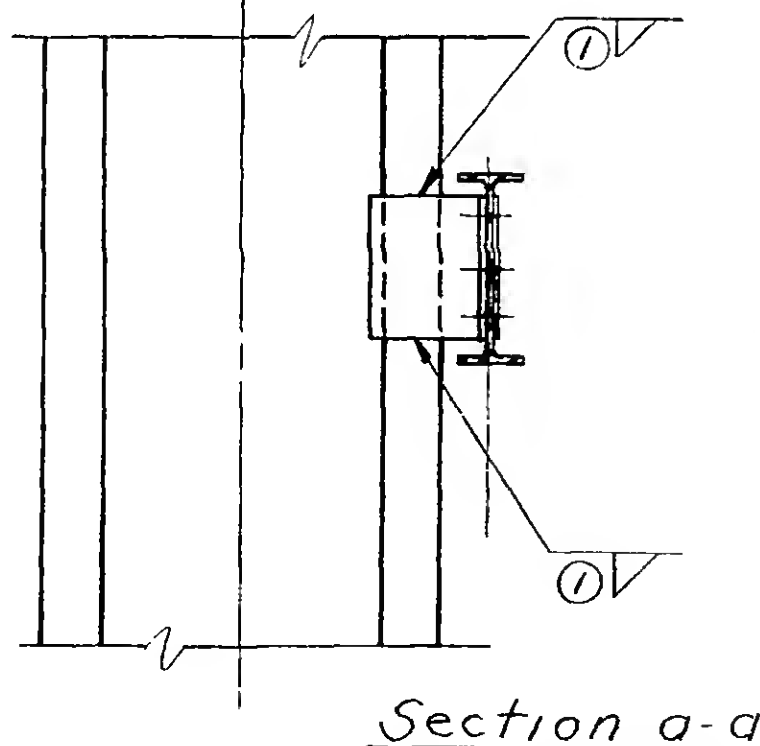
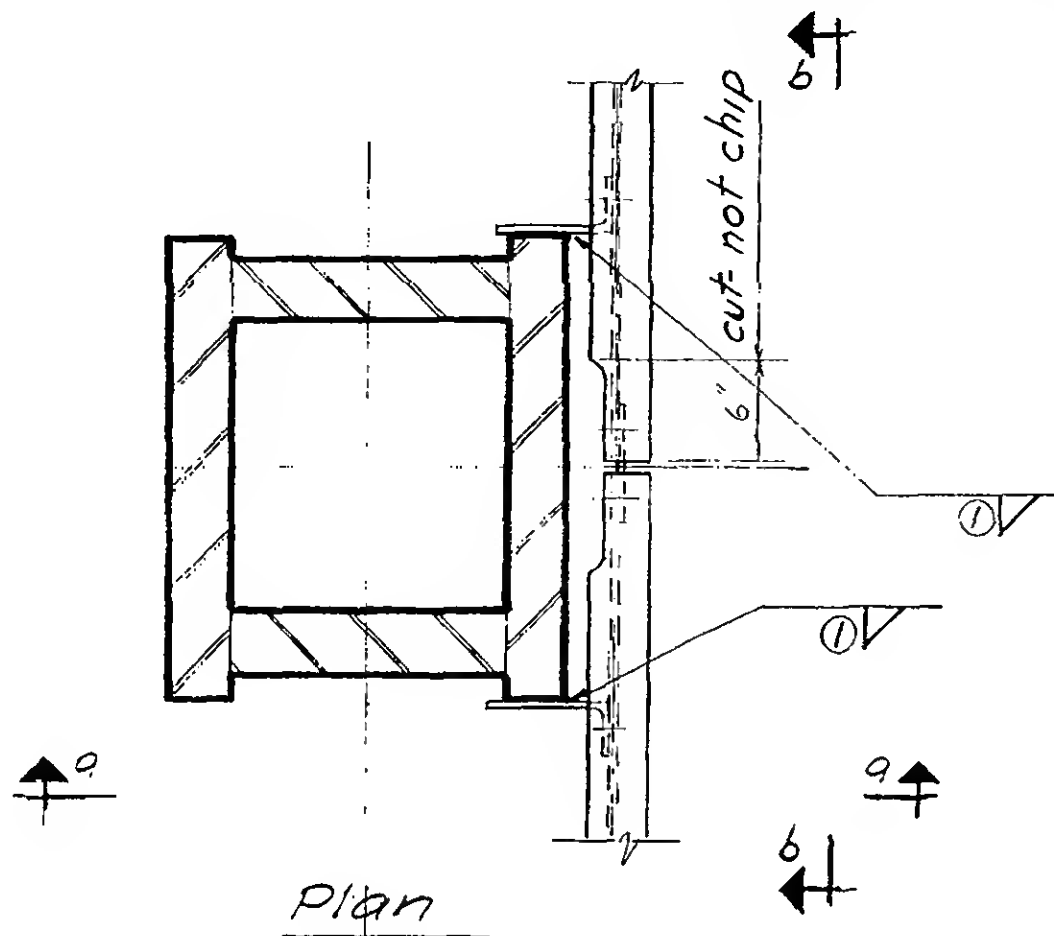
Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 350 B

DATE 7-5-67

REVISIONS



G-ABI-157.1



PROJECT

THE WORLD TRADE CENTER

TITLE

SCHEDULE FOR DETAIL 350 A, B, C, D

DATE

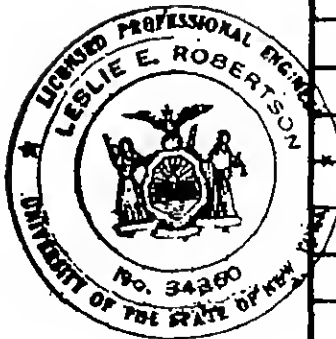
7-5-67

REVISIONS

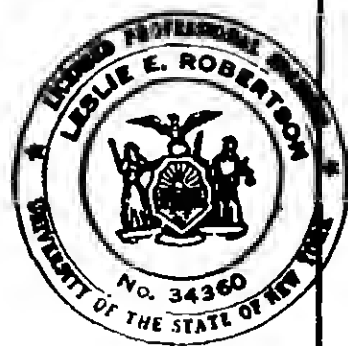
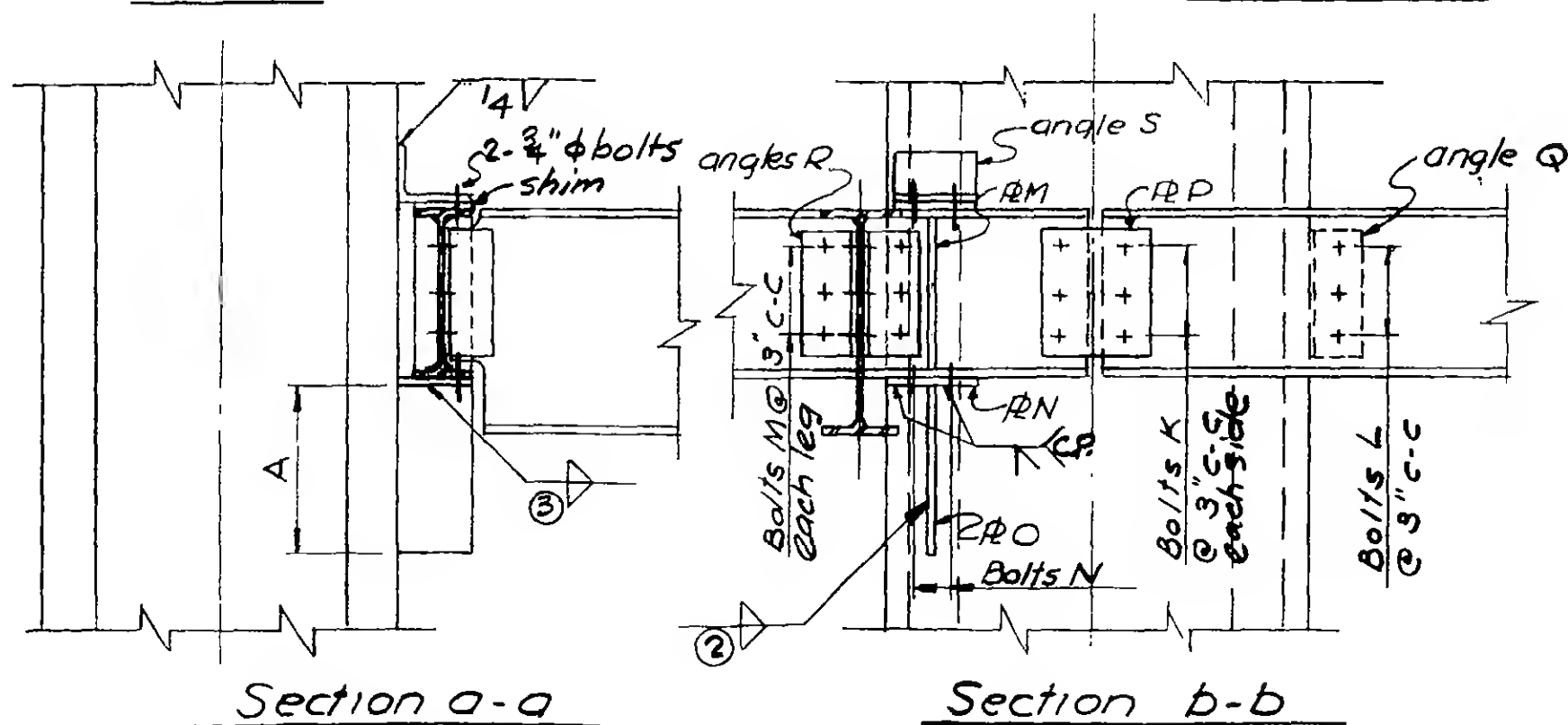
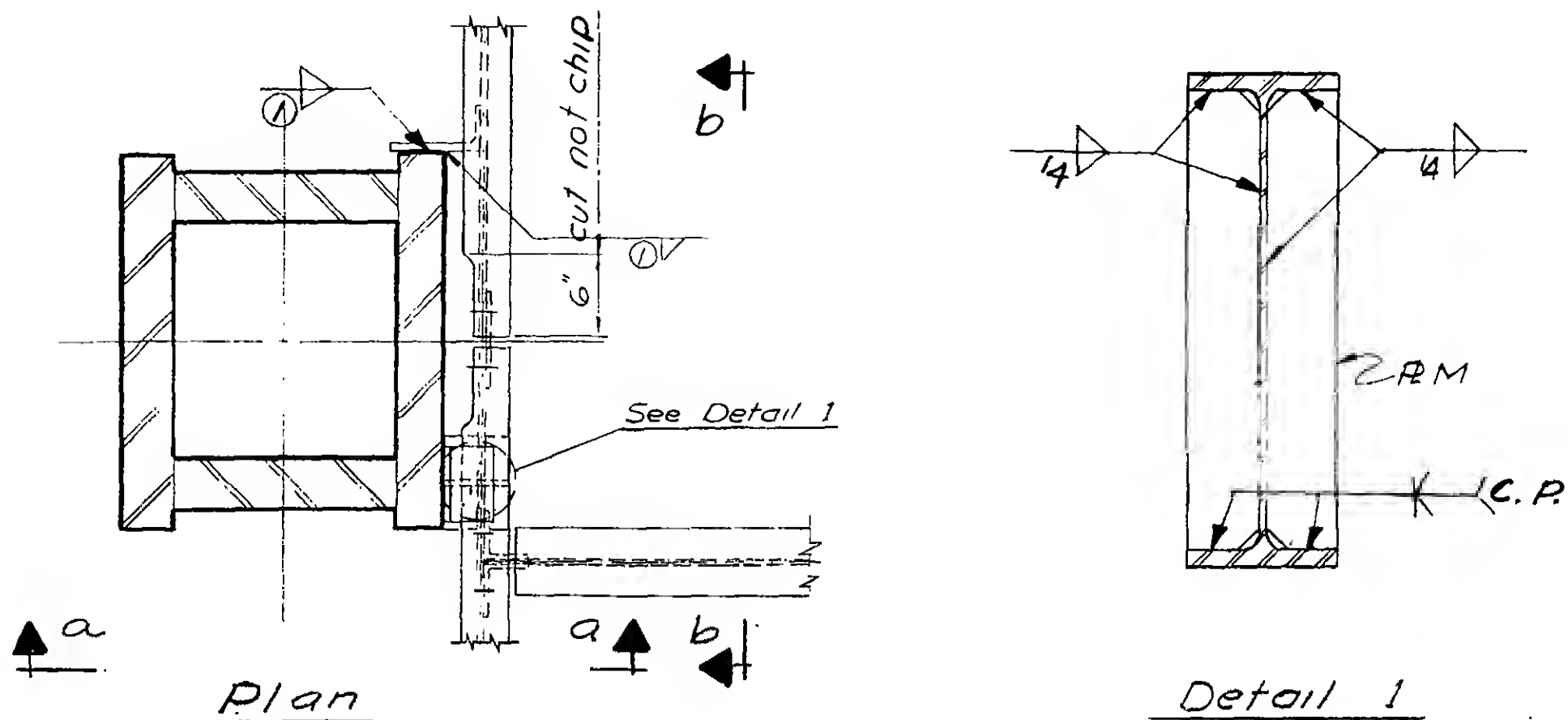
7-17-68

REF. DWGS.	6-ABI-157.3	6-ABI-157.1	6-ABI-157	6-ABI-157.4	6-ABI-157.4	6-ABI-157.4
	350 A	350 B	350 C	350 D	350 E	350 F
PLATES						
M	1/2"	—	—	—	—	—
N	1/2"	—	1/2"	—	—	—
O	1/2"	—	1/2"	—	—	—
P	3/8"	3/8"	3/8"	—	—	—
U	—	—	1/2"	1/2	1/2	—
V	—	—	1/2"	1/2	1/2	—
ANGLES						
Q	7 x 4 x 1/2 x 0'-9"	7 x 4 x 1/2 x 0'-9"	—	—	—	—
R	4 x 3 1/2 x 5/16 x 0'-8 1/2"	7 x 4 x 1/2 x 0'-9"	—	—	6 x 6 x 3/8 x 0'-8 1/2"	6 x 6 x 3/8 x 0'-8 1/2"
S	5 x 3 1/2 x 5/16 x 0'-6"	—	6 x 4 x 5/16 x 0'-6"	6 x 4 x 5/16 x 0'-6"	6 x 4 x 5/16 x 0'-6"	—
DIMENSIONS						
A	1'-0"	—	1'-0"	1'-0"	1'-0"	—
BOLTS						
K	3-3/4" ϕ	3-3/4" ϕ	3-3/4" ϕ	2-3/4" ϕ	2-3/4" ϕ	—
L	3-3/4" ϕ	3-3/4" ϕ	—	—	6-3/4" ϕ	6-3/4" ϕ
M	3-3/4" ϕ	3-3/4" ϕ	—	—	—	—
N	2-3/4" ϕ	—	6-3/4" ϕ	4-7/8" ϕ	4-7/8" ϕ	—
P	—	—	6-3/4" ϕ	—	—	—
WELDS						
1	3/8	3/8	—	—	—	—
2	1/2	—	1/2	1/2	1/2	—
3	5/16	—	5/16	5/16	5/16	—
4	—	—	1/2	—	—	—

6-ABI-157.2



REVISIONS



6-ABI-157.3

PROJECT

THE WORLD TRADE CENTER

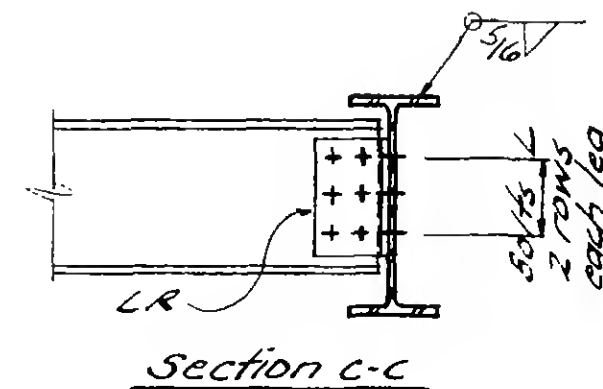
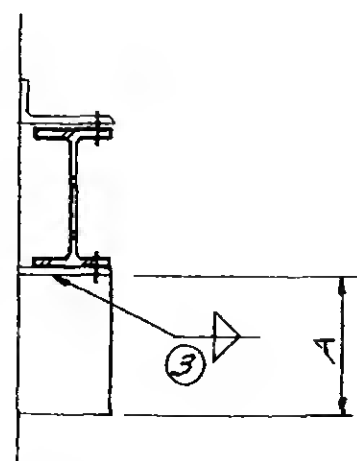
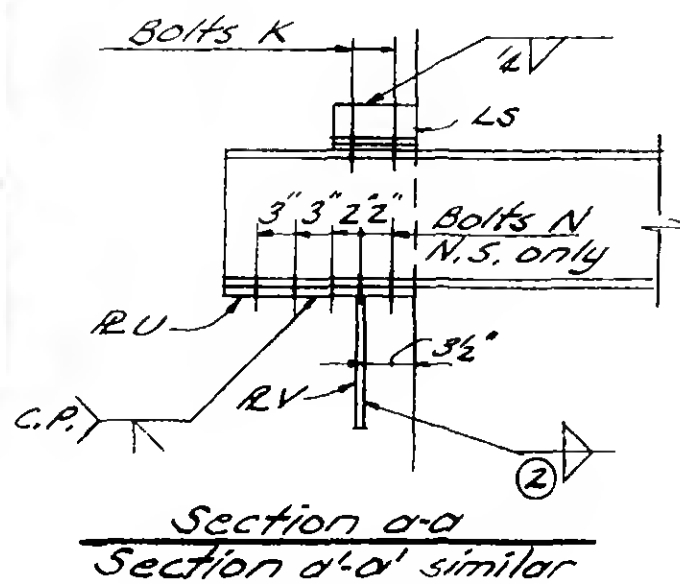
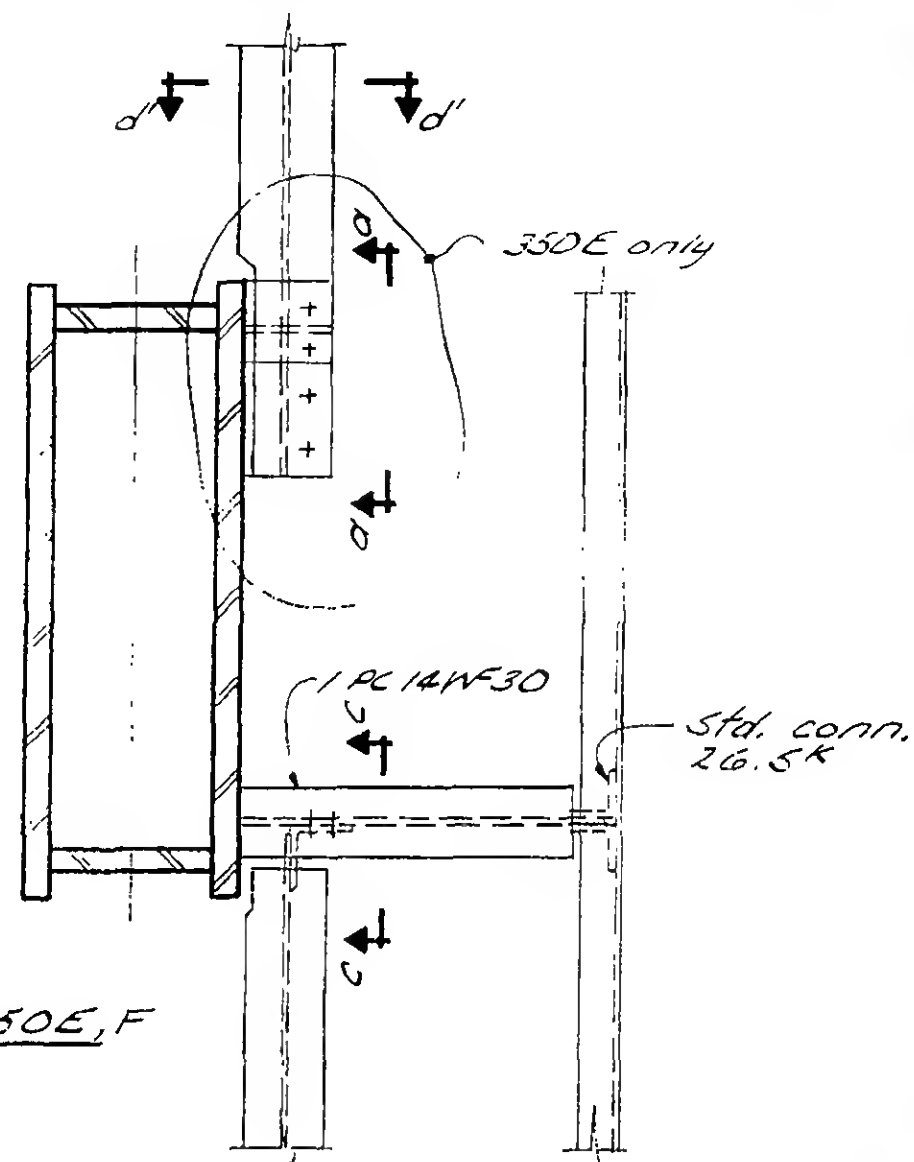
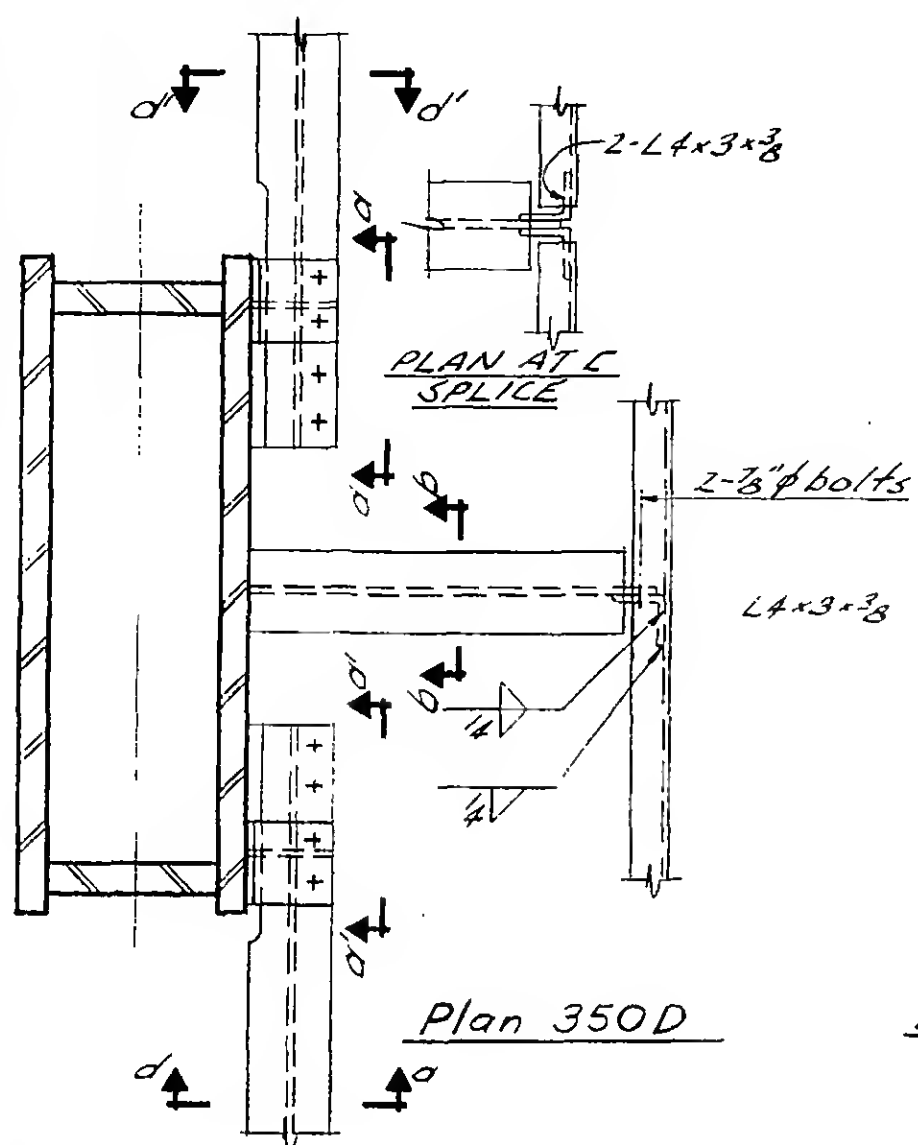
TITLE

CONNECTION DETAIL 350D, E, F

DATE

7-17-68

REVISIONS



G-ABI-157.4



PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 351 A, B & C

DATE 5-1-67

REVISIONS

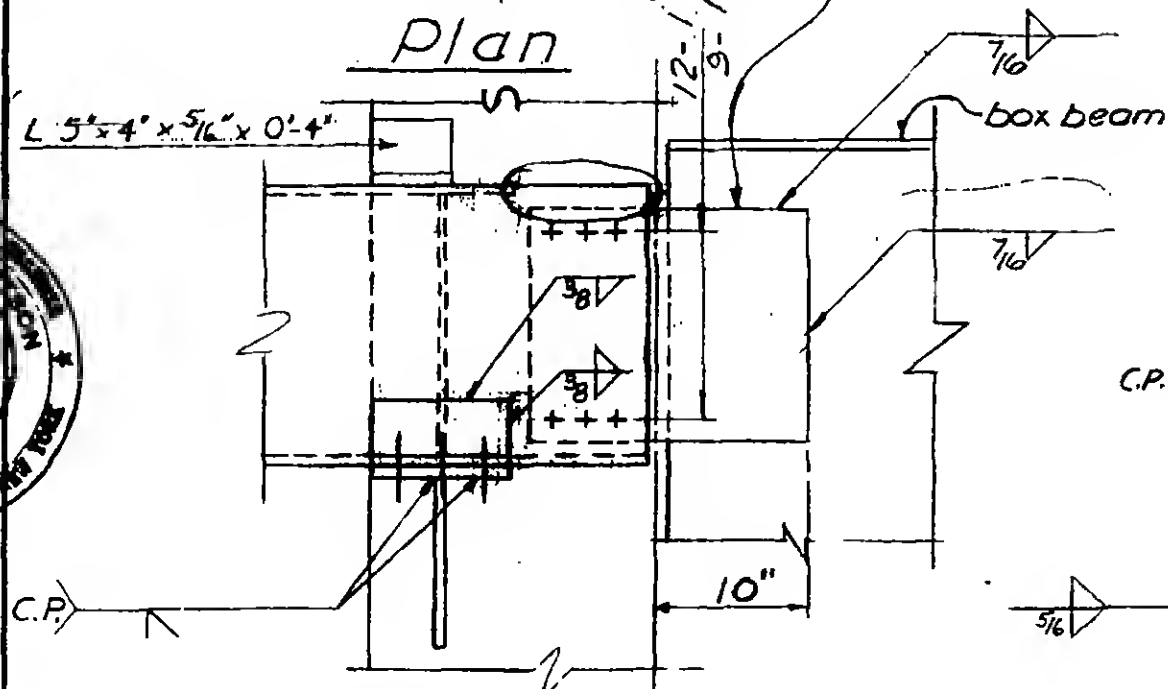
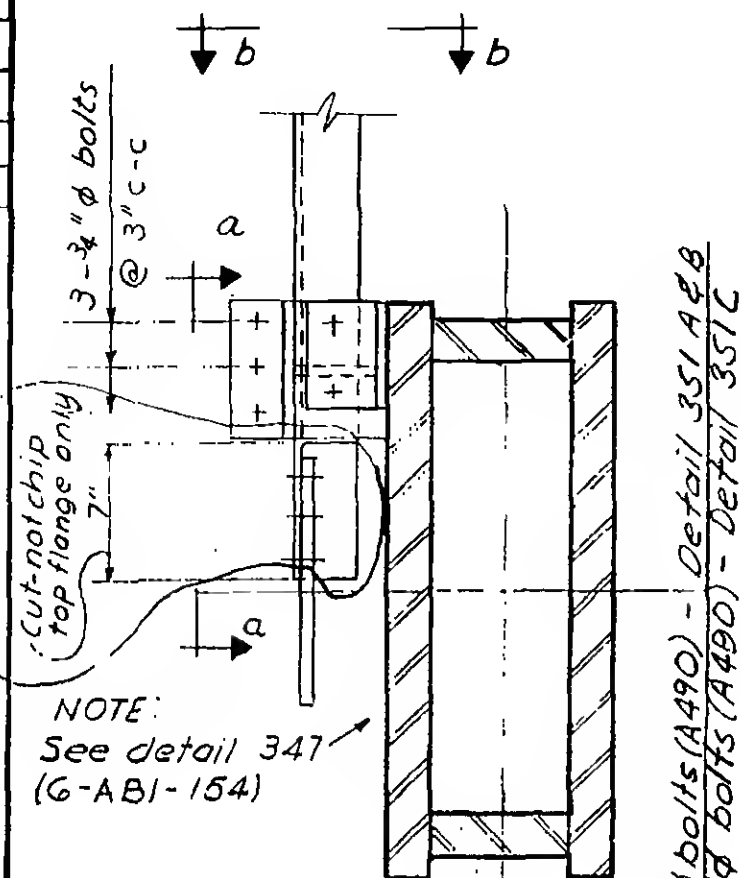
7-28-67

8-5-67

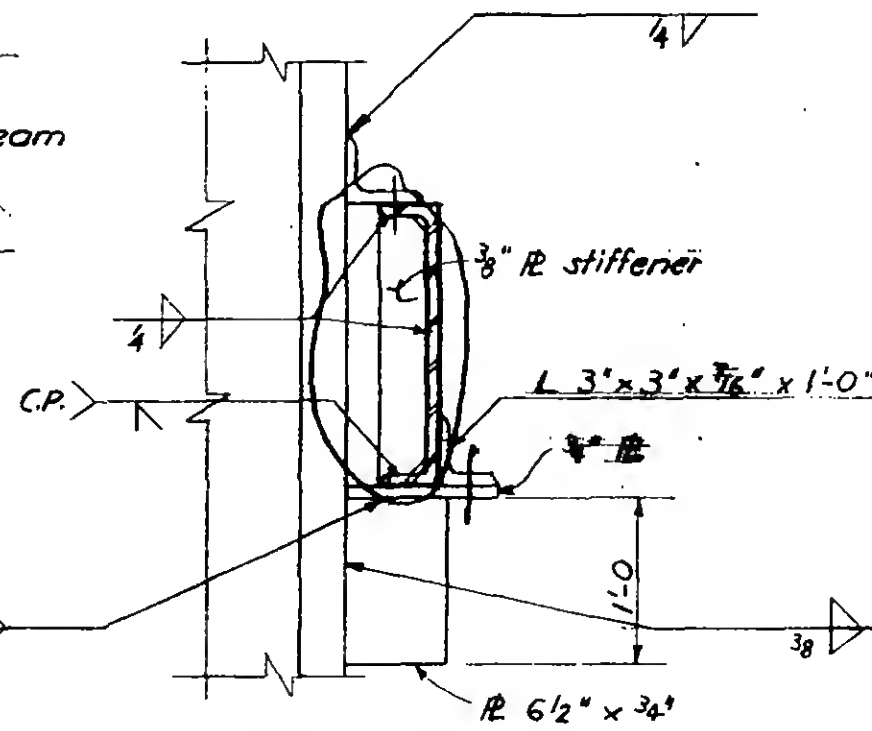
9-15-67

10-3-67

11-10-67



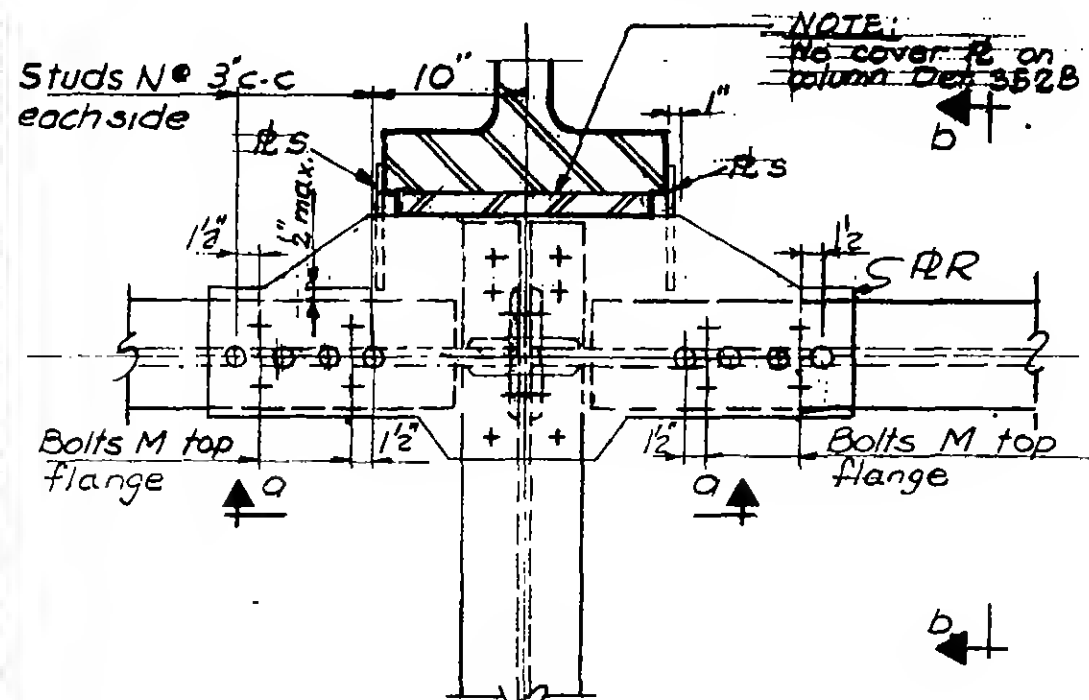
ϕ thickness as req'd.
(3/4" min.)



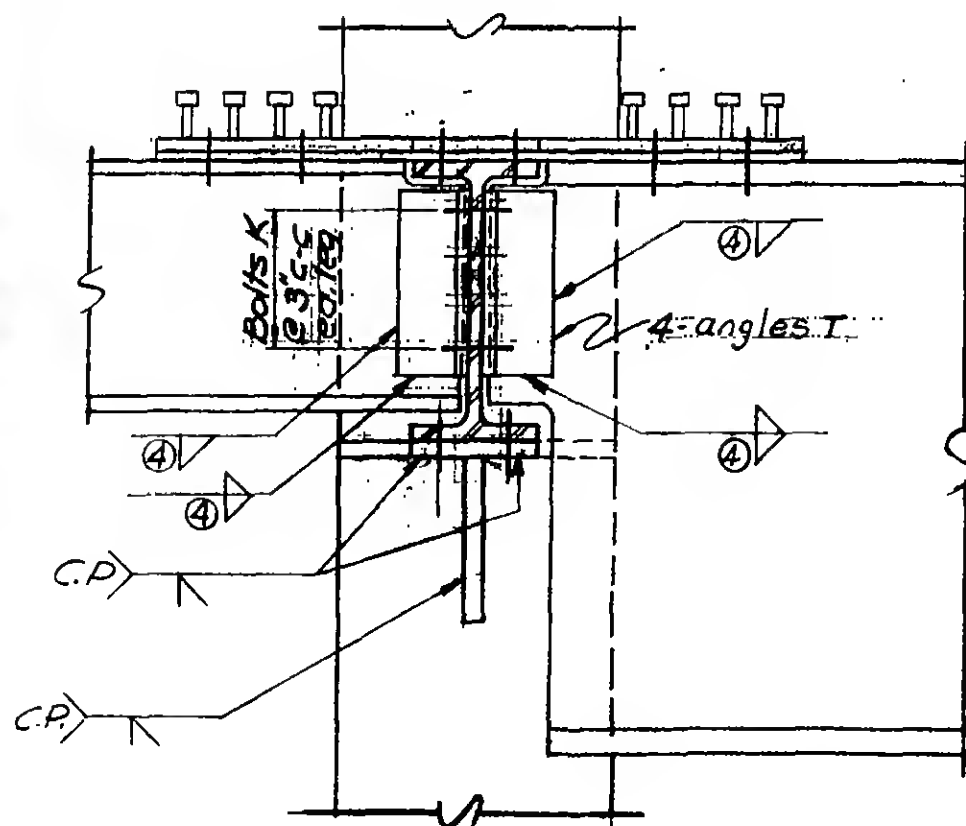
G-ABI-100

REVISIONS

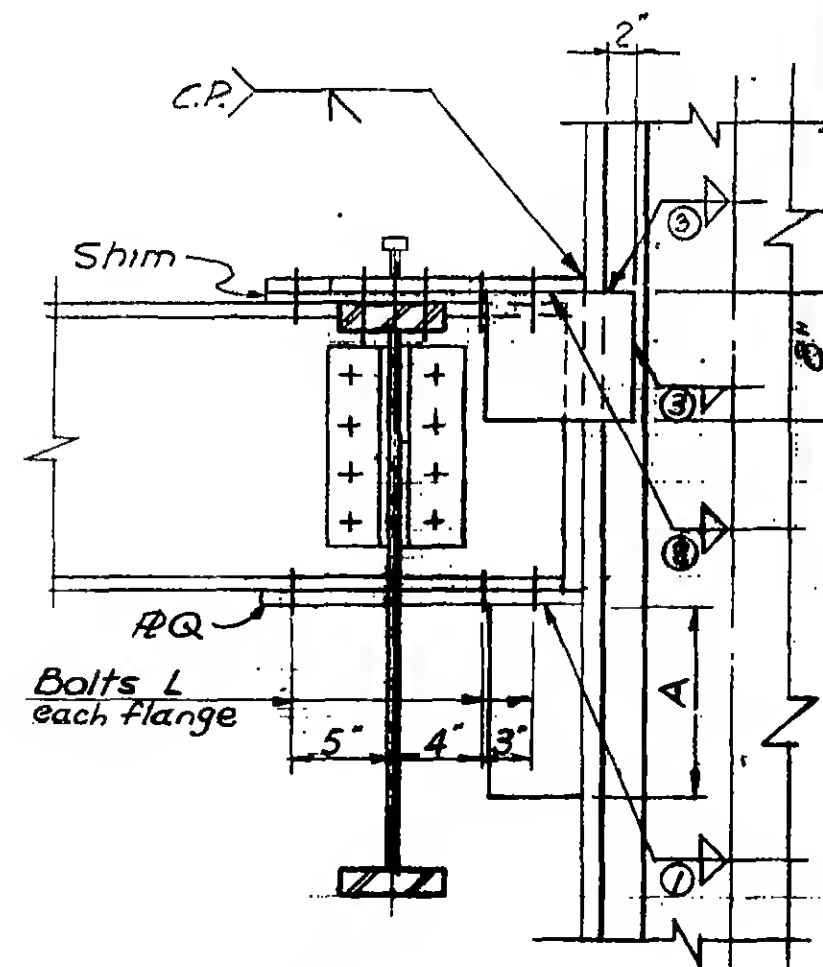
7-28-67



PLAN



Section a-a



Section b-b



WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

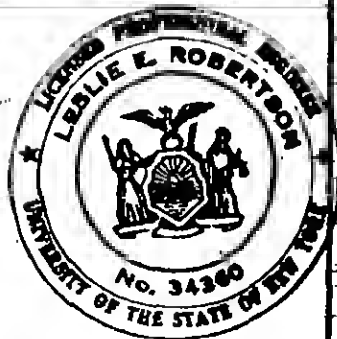
PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 352 A & B

DATE 7-28-67

REVISIONS

	352 A	352 B				
PLATES						
P	6" x 5/8"	6" x 5/8"				
Q	7 1/2" x 5/8"	7 1/2" x 5/8"				
R	5/8"	5/8"				
S	5/16"	—				
ANGLES						
T	4 x 3 1/2 x 3/8"	4 x 3 1/2 x 3/8"				
DIMENSIONS						
A	1'-0"	1'-0"				
BOLTS						
K	4 - 3/4" φ	4 - 3/4" φ				
L	6 - 1 1/8" φ	6 - 1 1/8" φ				
M	4 - 3/4" φ	4 - 3/4" φ				
STUDS						
N	4 - 3/4" φ x 0'-3"	4 - 3/4" φ x 0'-3"				
WELDS						
①	3/8	3/8				
②	5/16	—				
③	5/16	—				
④	5/16	5/16				

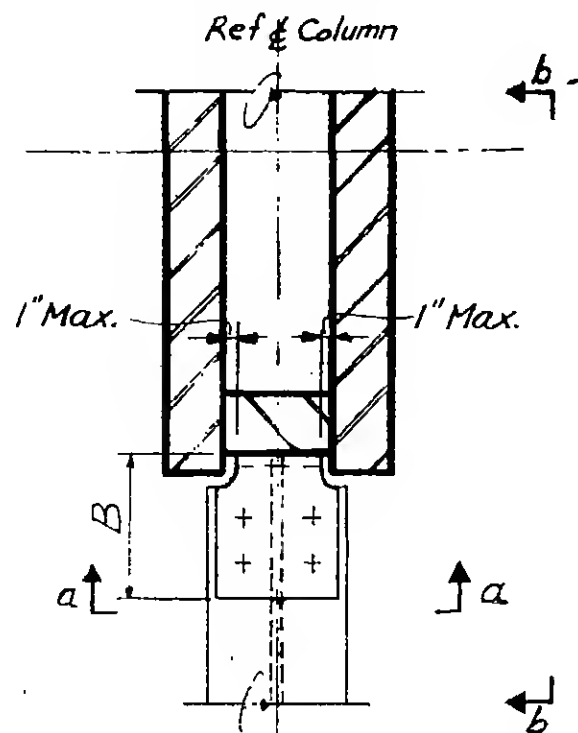


G-ABI-159.1

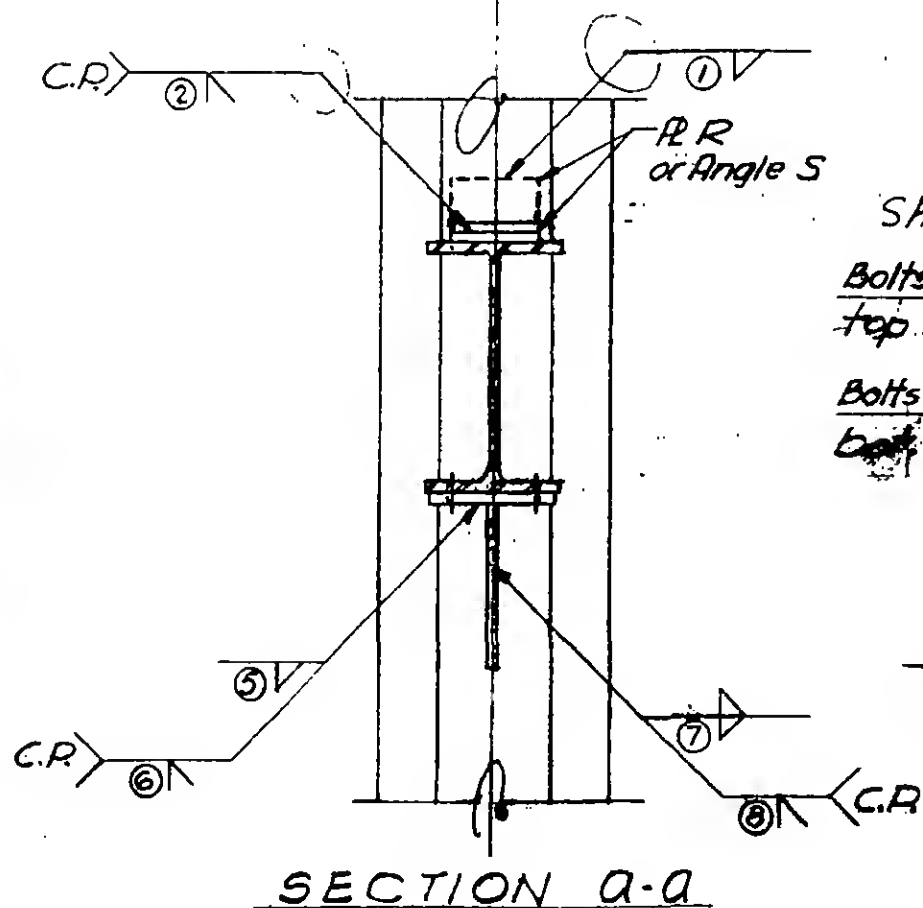
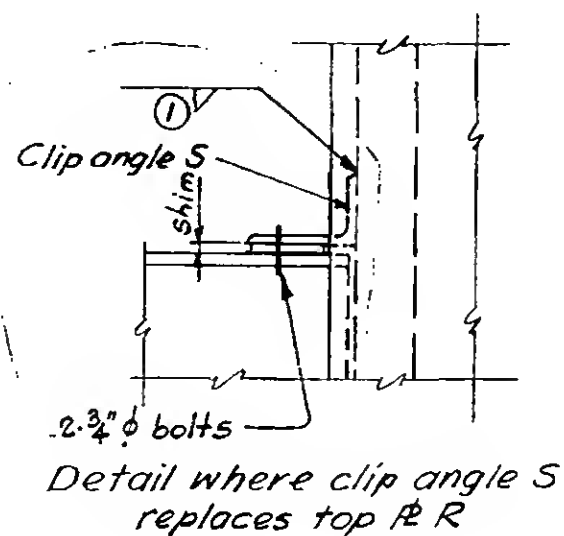
REVISIONS

6-30-67

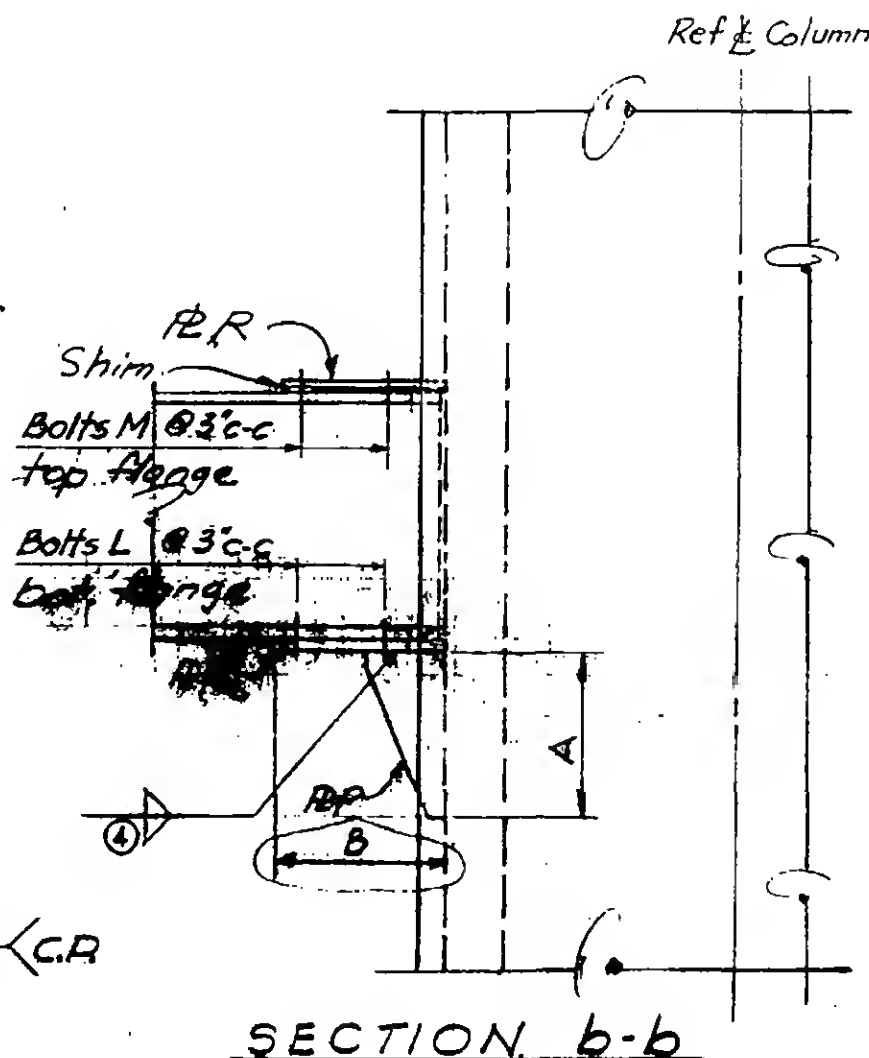
7-28-67



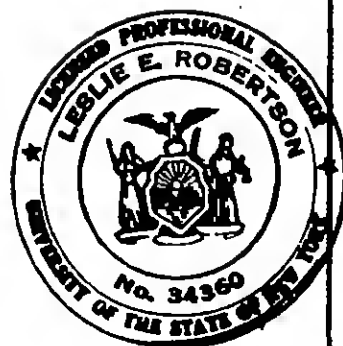
PLAN



SECTION a-a



SECTION b-b



WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

PROJECT *THE WORLD TRADE CENTER*

TITLE *SCHEDULE FOR 353 A thru G*

DATE *6-30-67*

REVISIONS

7-28-67

	353 A	353 B	353 C	353 D	353 E	353 F	353 G
PLATES							
P	<i>5" x 1/2"</i>	<i>5" x 5/8"</i>	<i>(9 1/2" x 7/8"</i>	<i>7" x 1/2"</i>	<i>5" x 1/2"</i>	<i>5" x 5/8"</i>	<i>11 1/2" x 5/8"</i>
Q	<i>8" x 3/8"</i>	<i>(9 x 1/8"</i>	<i>8 1/2" x 7/8"</i>	<i>9" x 1/4"</i>	<i>8" x 3/8"</i>	<i>8 1/2" x 3/8"</i>	<i>8" x 3/8"</i>
R				<i>7" x 1/8"</i>			
ANGLE							
S	<i>4 x 4 x 5/16 x 0'-4 1/2"</i>	<i>4 x 4 x 5/16 x 0'-4 1/2"</i>	<i>4 x 4 x 5/16 x 0'-4</i>	—	<i>4 x 4 x 5/16 x 0'-4 1/2"</i>	<i>4 x 4 x 5/16 x 0'-4 1/2"</i>	<i>4 x 4 x 5/16 x 0'-4 1/2"</i>
DIMENSIONS							
A	<i>(1'-1")</i>	<i>1'-1"</i>	<i>(1'-8"</i>	<i>1'-9"</i>	<i>1'-7"</i>	<i>1'-1"</i>	<i>1'-10"</i>
B	<i>9"</i>	<i>9"</i>	<i>(9 1/2"</i>	<i>2'-6"</i>	<i>9"</i>	<i>9"</i>	<i>11 1/2"</i>
BOLTS							
L	<i>4-3/4" (A325)</i>	<i>(4-1 1/8" (A325)</i>	<i>4-7/8" (A325)</i>	<i>18-1/4" (A325)</i>	<i>4-3/4" (A325)</i>	<i>4-7/8" (A325)</i>	<i>4-3/4" (A325)</i>
M				<i>18-1" (A325)</i>			
WELDS							
①	<i>5/16</i>	<i>5/16</i>	<i>5/16</i>	—	<i>5/16</i>	<i>5/16</i>	<i>5/16</i>
②	—	—	—	<i>C.P.</i>	—	—	—
④	<i>5/16</i>	<i>5/16</i>	<i>5/16</i>	<i>5/16</i>	<i>5/16</i>	<i>5/16</i>	<i>5/16</i>
⑤	—	—	—	—	—	—	—
⑥	<i>C.P.</i>	<i>C.P.</i>	<i>C.P.</i>	<i>C.P.</i>	<i>C.P.</i>	<i>C.P.</i>	<i>C.P.</i>
⑦	—	—	—	—	—	—	—
⑧	<i>C.P.</i>	<i>C.P.</i>	<i>C.P.</i>	<i>C.P.</i>	<i>C.P.</i>	<i>C.P.</i>	<i>C.P.</i>
⑨	<i>1/4</i>	<i>1/4</i>	<i>1/4</i>	—	<i>1/4</i>	<i>1/4</i>	<i>1/4</i>

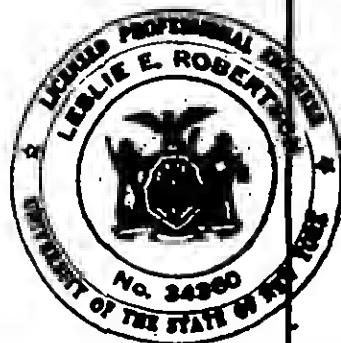
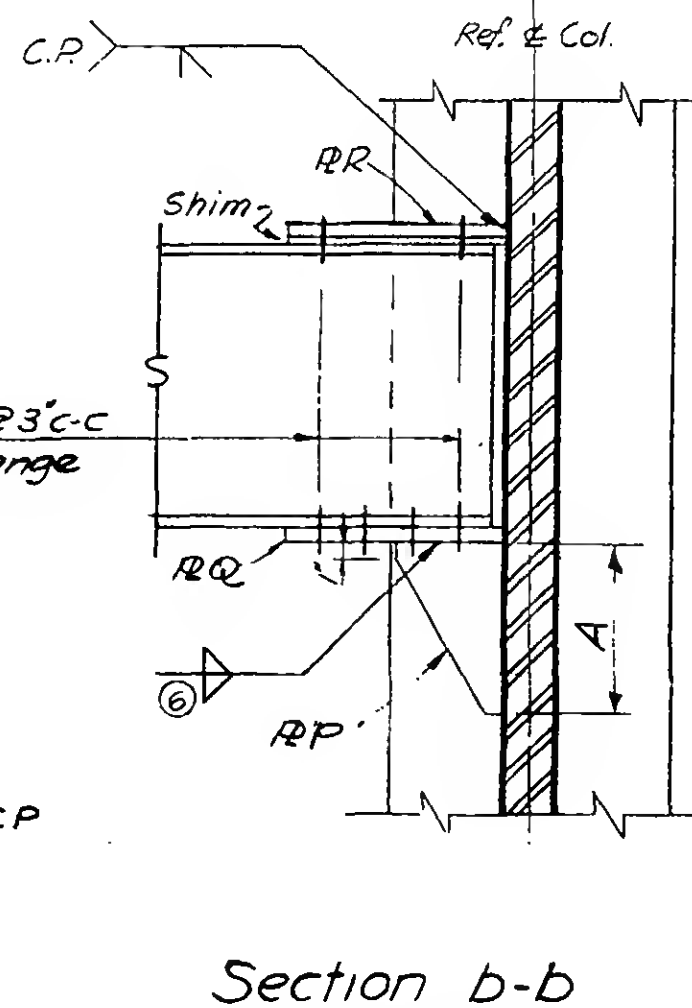
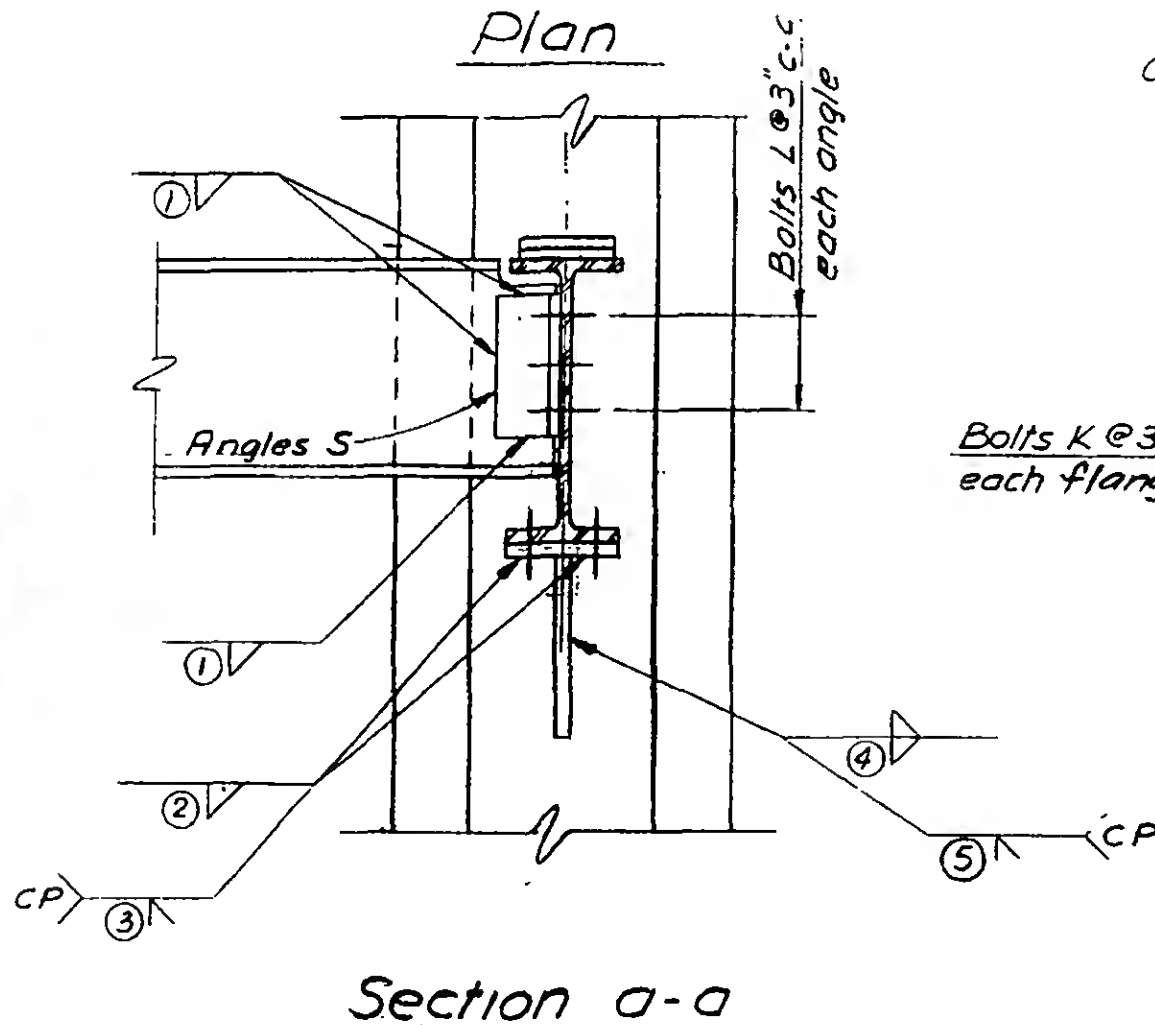
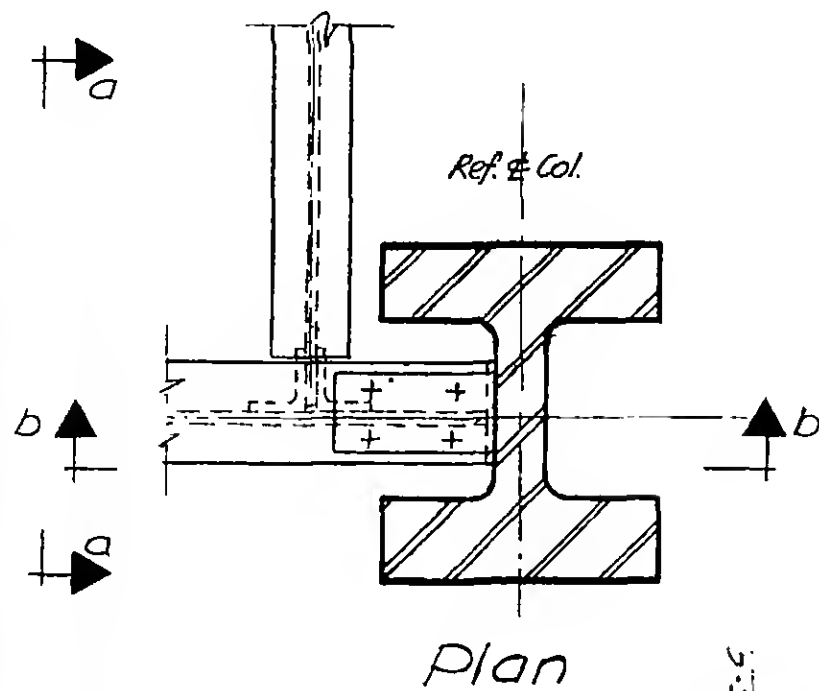
6-ABI-160.1



REVISIONS

6-30-67

7-28-67



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Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 354 A & B

DATE 6-30-67

REVISIONS

7-28-67

	354 A	354 B				
PLATES:						
P	7" x 38"	6" x 12"				
Q	1 1/2"	34"				
R	7" x 58"	7" x 34"				
ANGLES						
S	4 x 3 x 5/16	4 x 3 1/2 x 5/16				
DIMENSIONS						
A	0'-11"	1'-0"				
BOLTS						
K	8-7/8" φ (A325)	8-7/8" φ				
L	3-3/4" φ (A325)	3-3/4" φ				
WELDS						
①	1/4	5/16				
②	1/2	-				
③		C.P.				
④	3/8	-				
⑤		C.P.				
⑥	1/2	5/16				



PROJECT THE WORLD TRADE CENTER

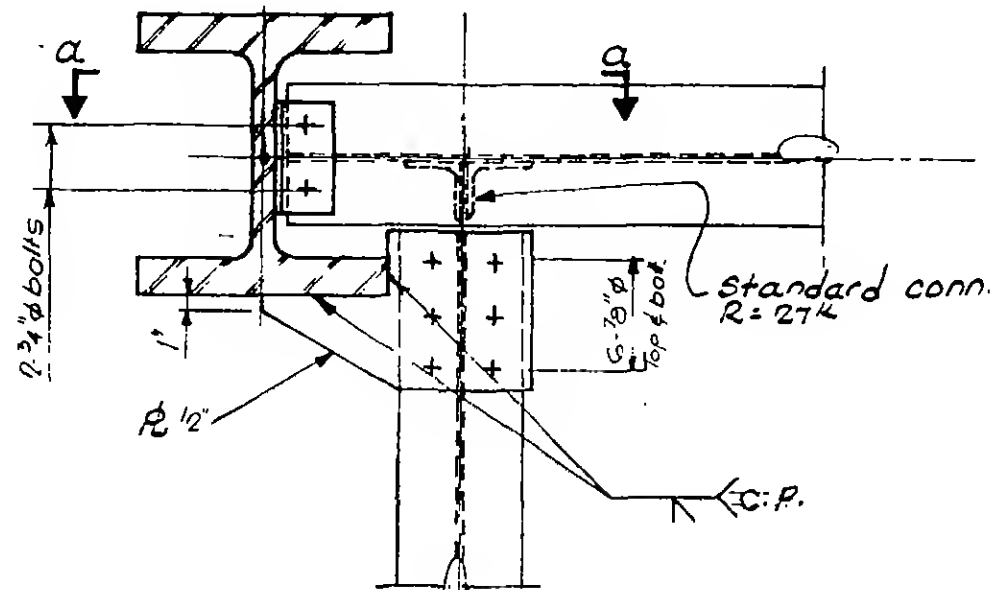
TITLE CONNECTION DETAIL 354 C

DATE 10-2-67

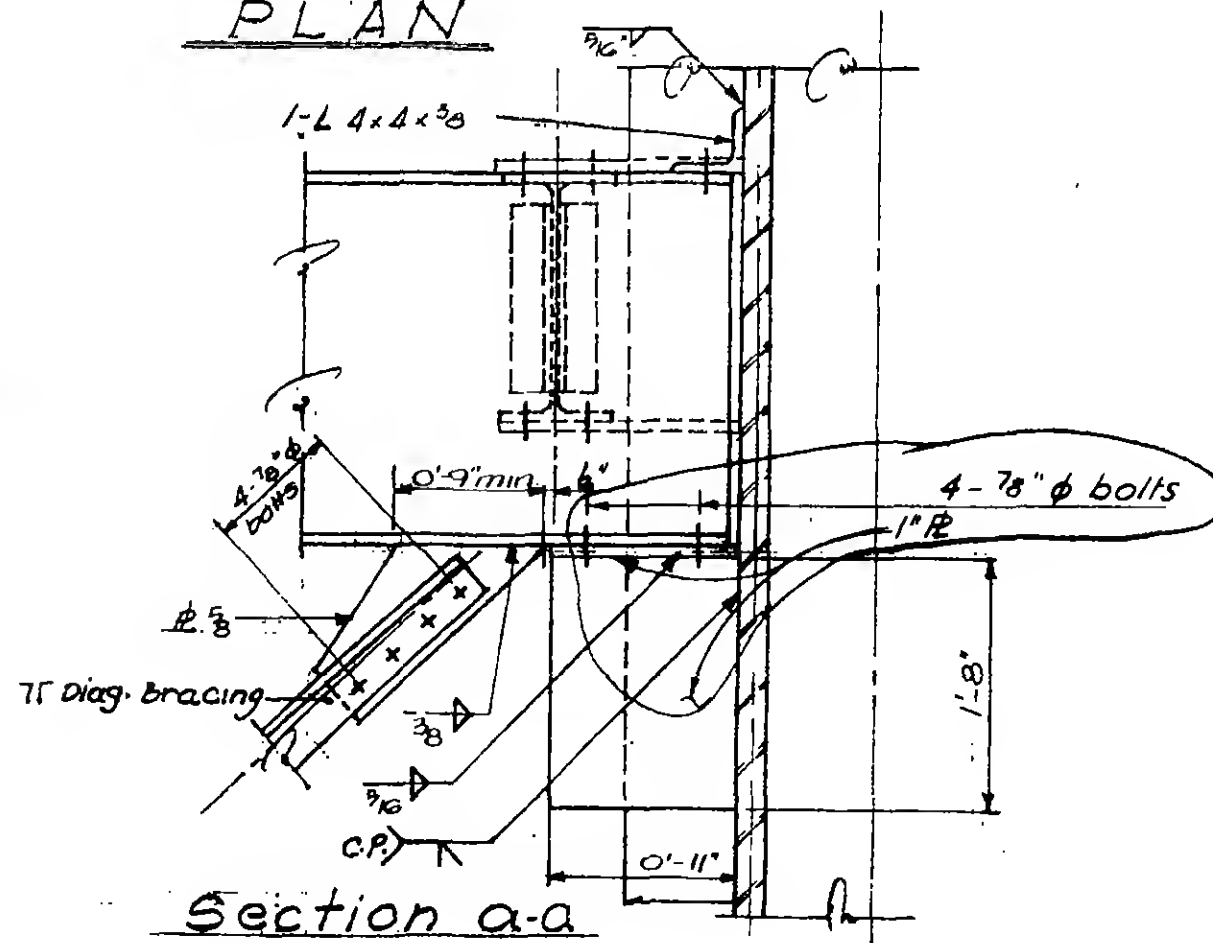
REVISIONS

10-31-67

Detail 354 C: See G-AB5-101 for bracing elevation

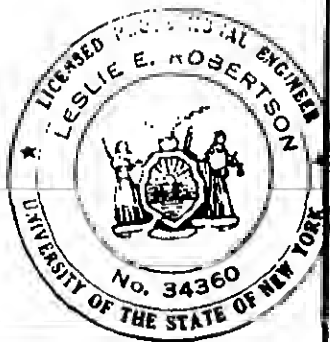


PLAN



Section a-a

G-AB1-161.2



WORTHINGTON, SKILLING, HELLE & JACKSON

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PROJECT THE WORLD TRADE CENTER

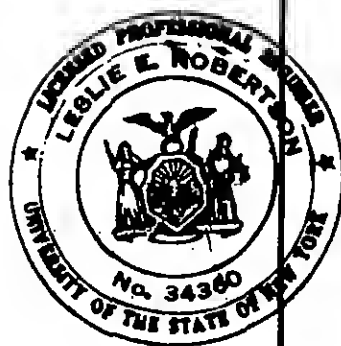
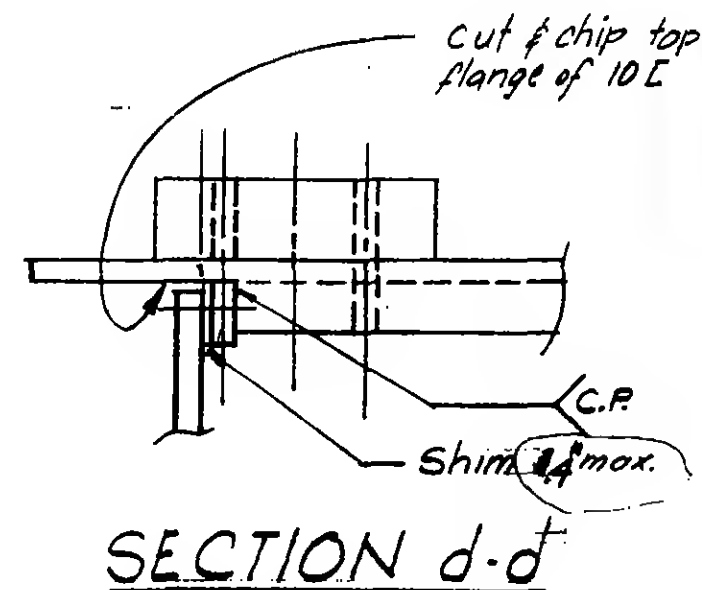
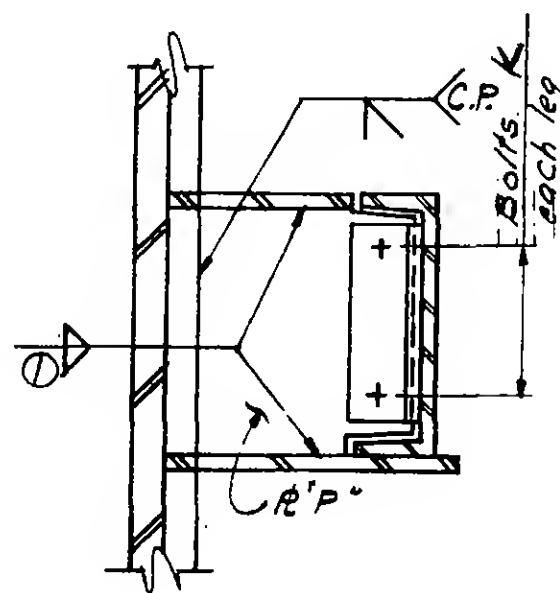
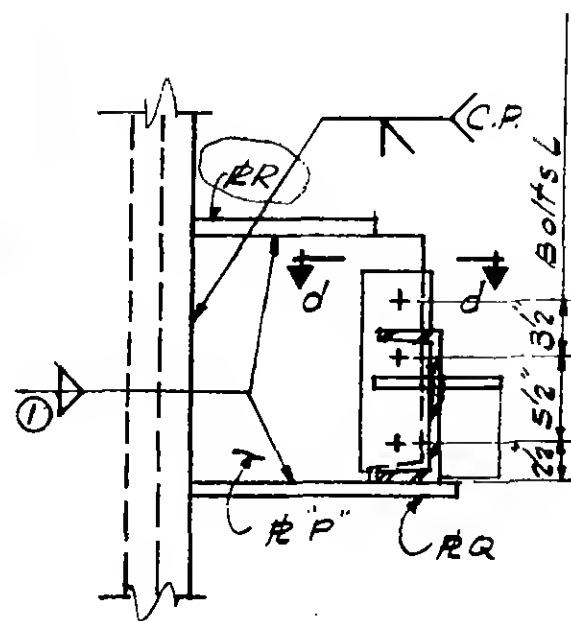
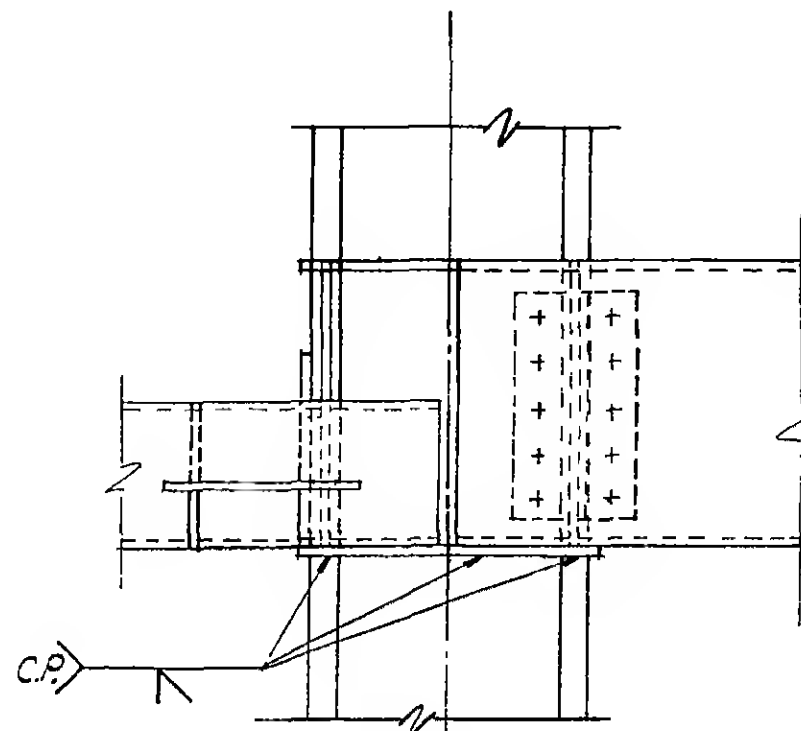
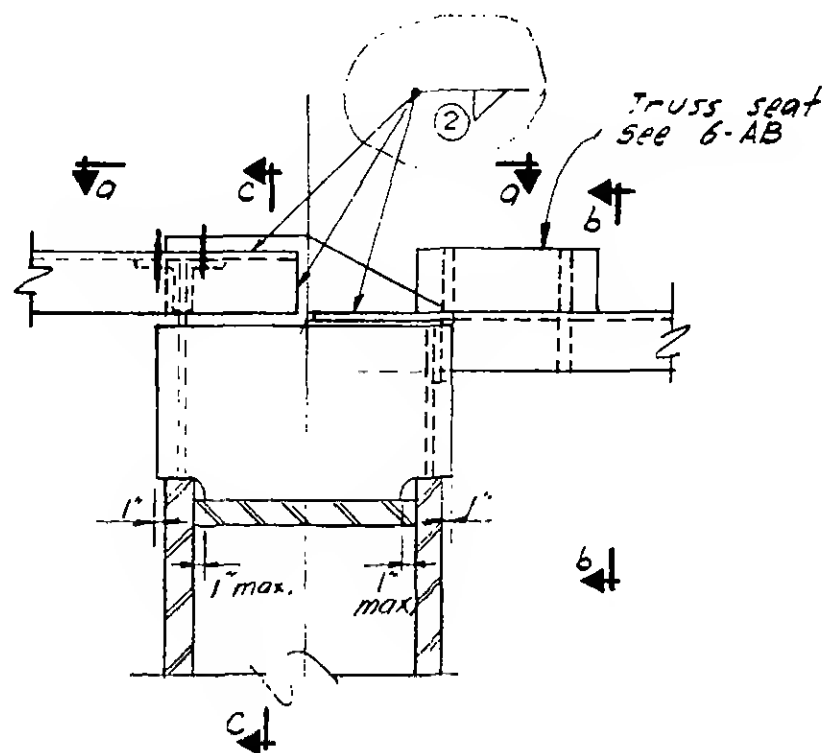
TITLE

CONNECTION DETAIL 355 A

DATE 5-1-67

REVISIONS

7-28-67
8-5-67



6-AB1-162

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Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 355 A

DATE 7-28-67

REVISIONS

8-5-67

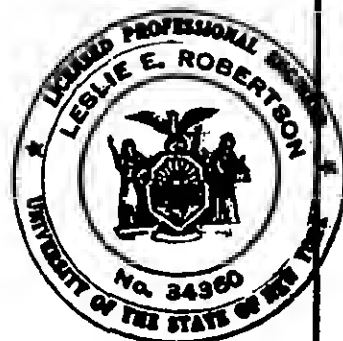
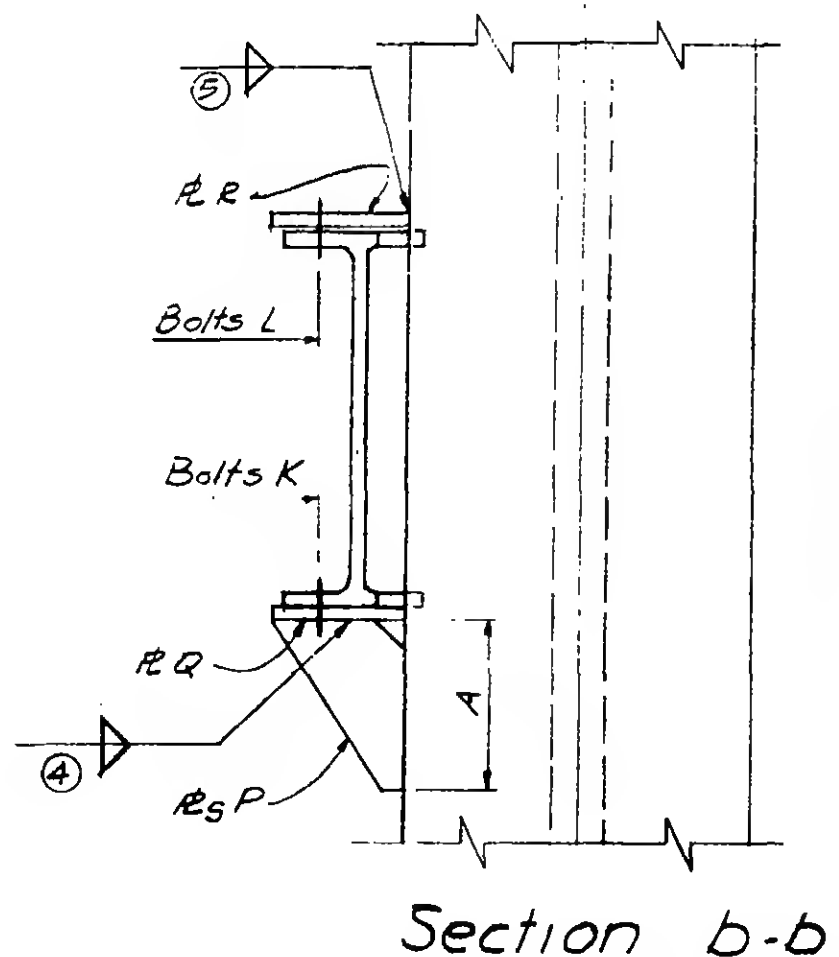
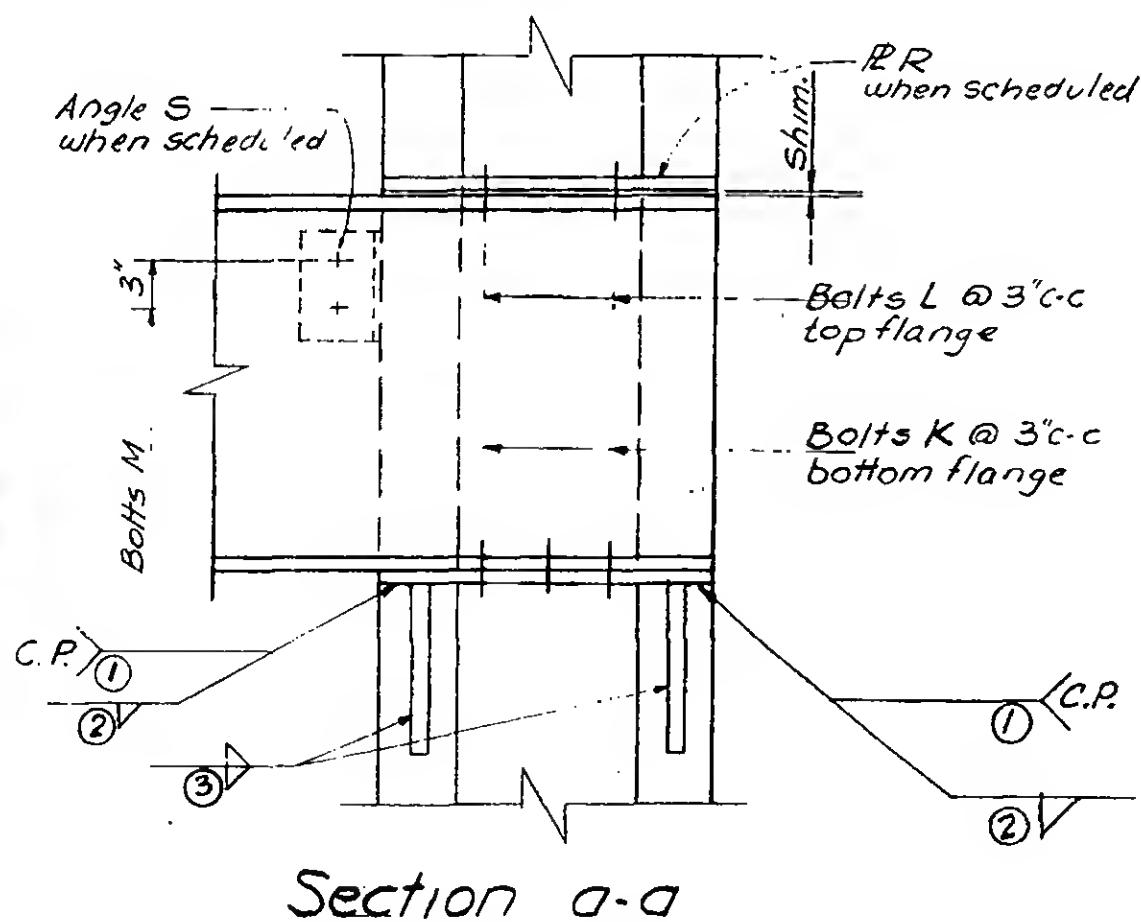
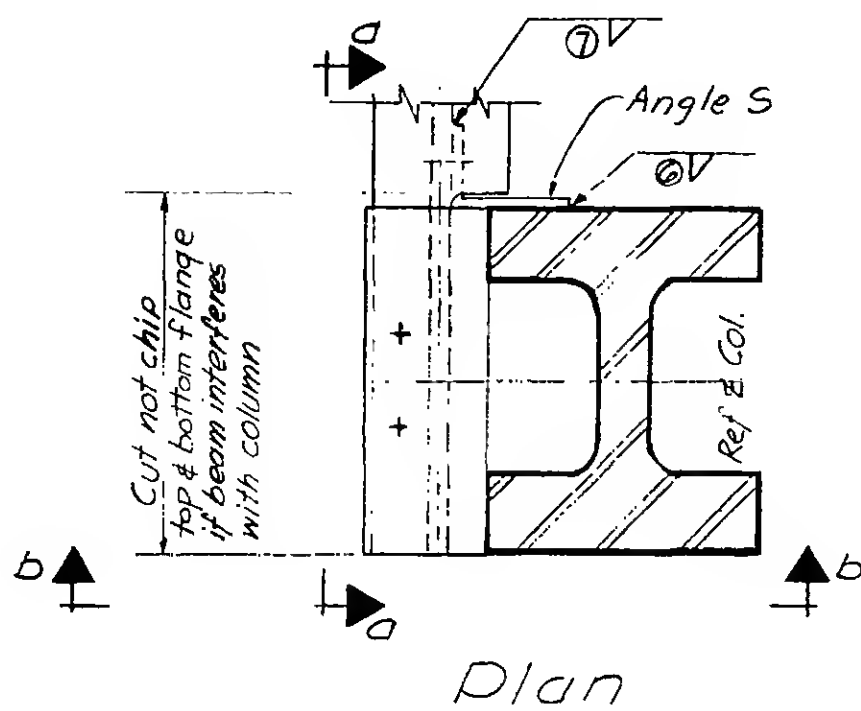
	355 A					
PLATES						
P	$\frac{7}{8}$					
Q	$1\frac{1}{2}$					
R	1					
S	$\frac{7}{8}$					
ANGLES						
T	$4 \times 3\frac{1}{2} \times \frac{3}{8}$					
BOLTS						
K	$5 - \frac{7}{8}'' \phi$					
L	$3 - 1\frac{1}{8}'' \phi (A490)$					
WELD						
①	$\frac{3}{8}$					
②	$\frac{1}{2}$					

6-ABJ-162.1



REVISIONS

7-5-67
8-14-67
10-2-67
10-5-67



Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE	SCHEDULE FOR DETAIL 357 A, B, C, D, E, F
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DATE 7-5-67

REVISIONS

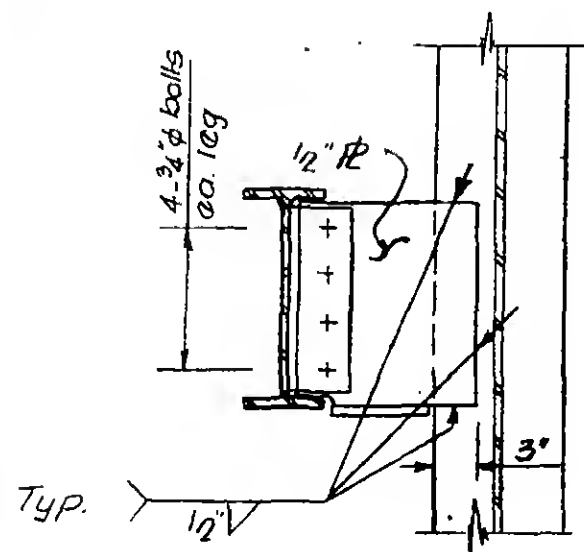
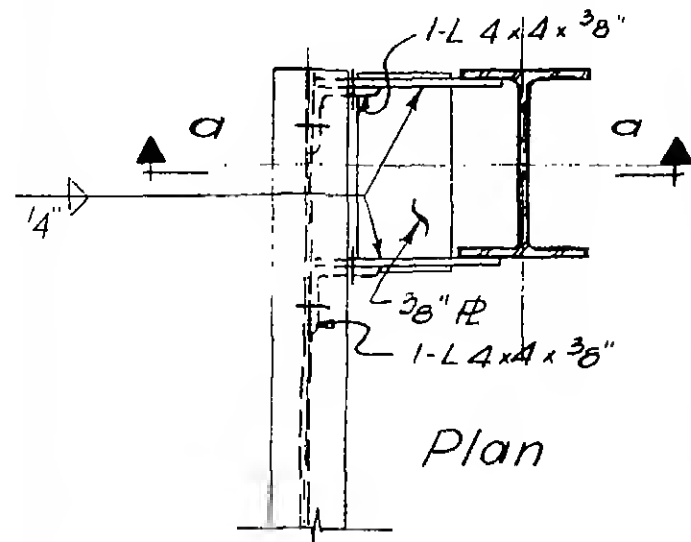
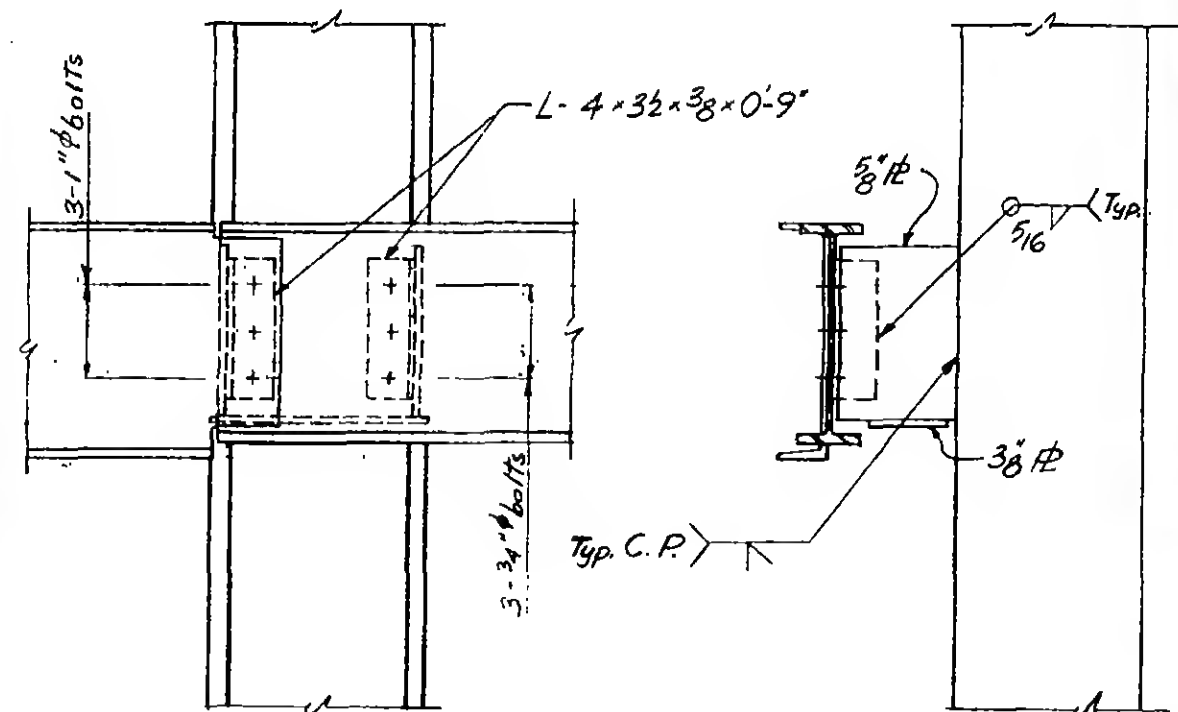
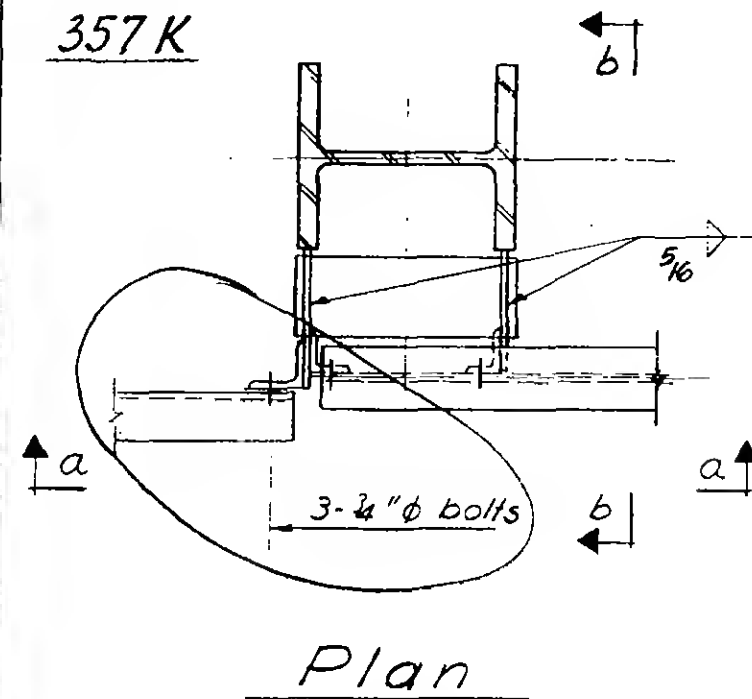
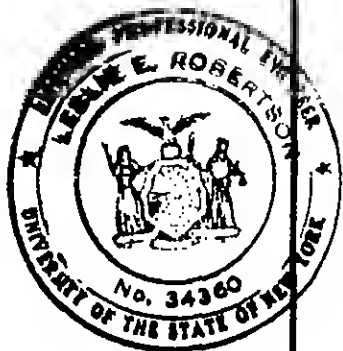
8-14-67

10-2-67

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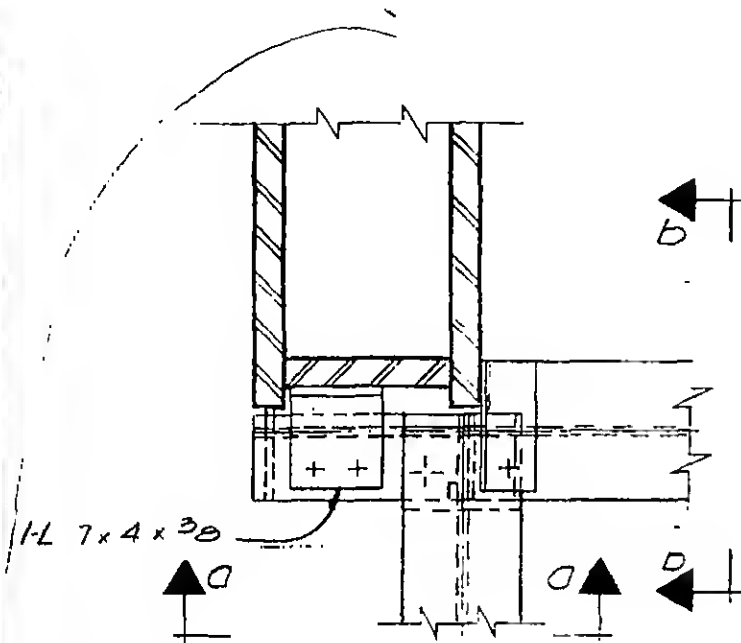
REVISIONS

11-23-67

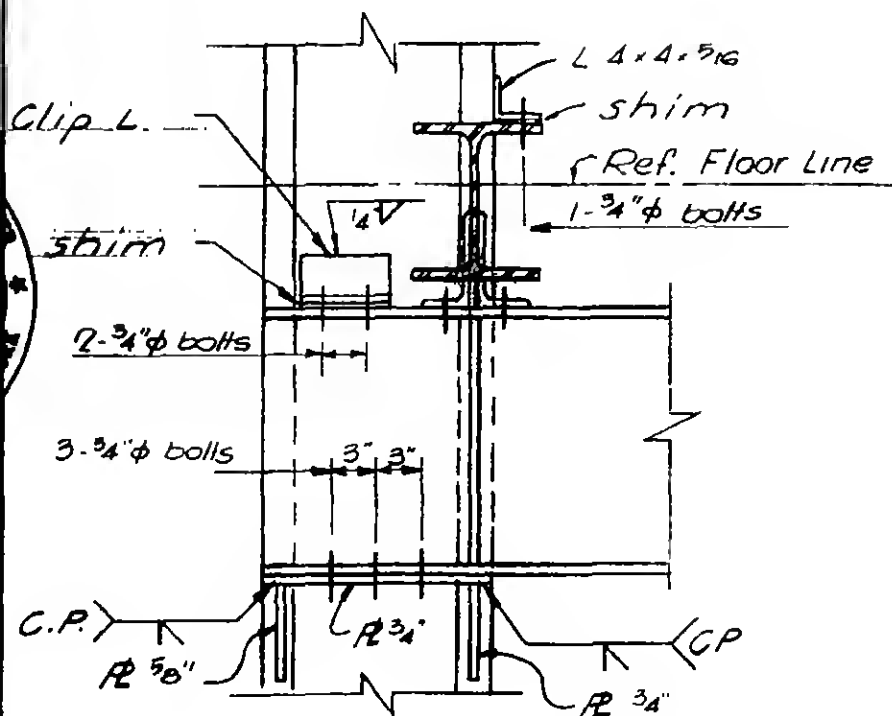
Section a-aSection a-aSection b-b

REVISIONS

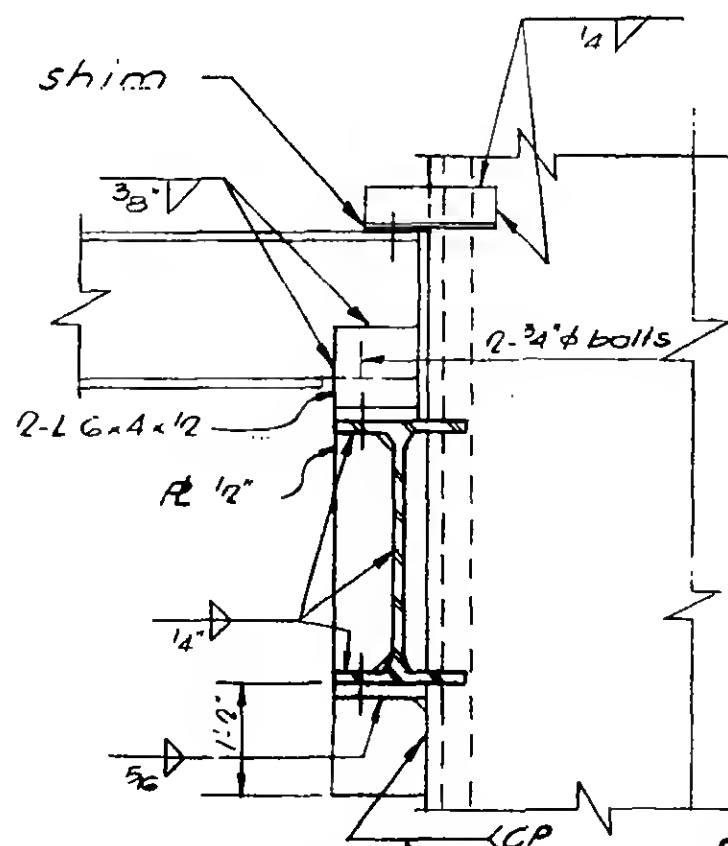
10-12-67



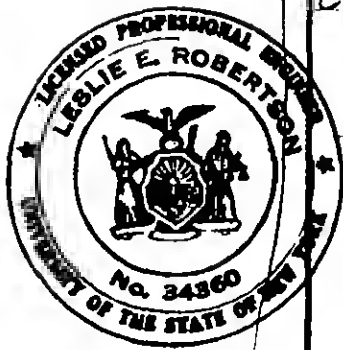
Plan



Section a-a



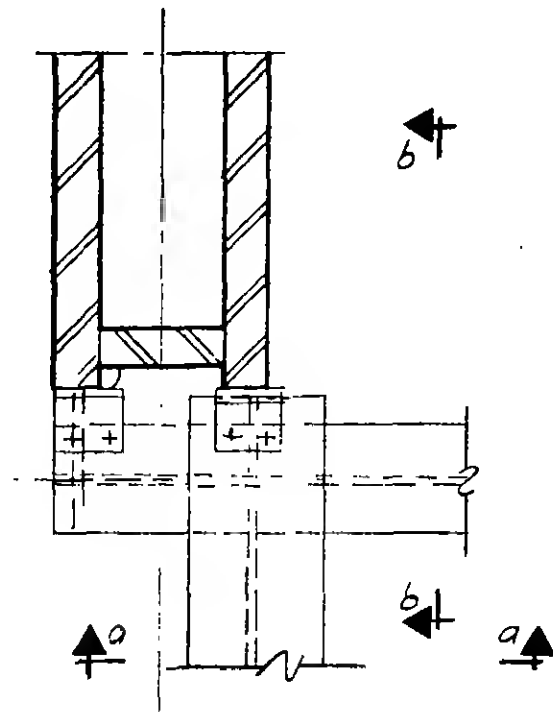
Section b-b



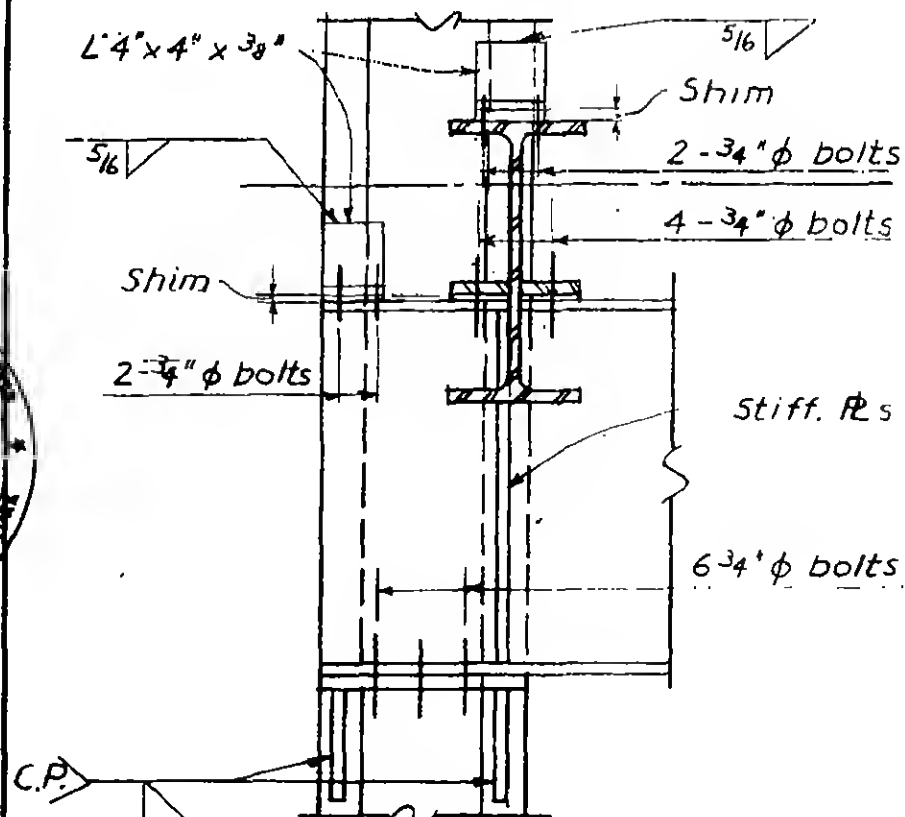
6-ABI-165

REVISIONS

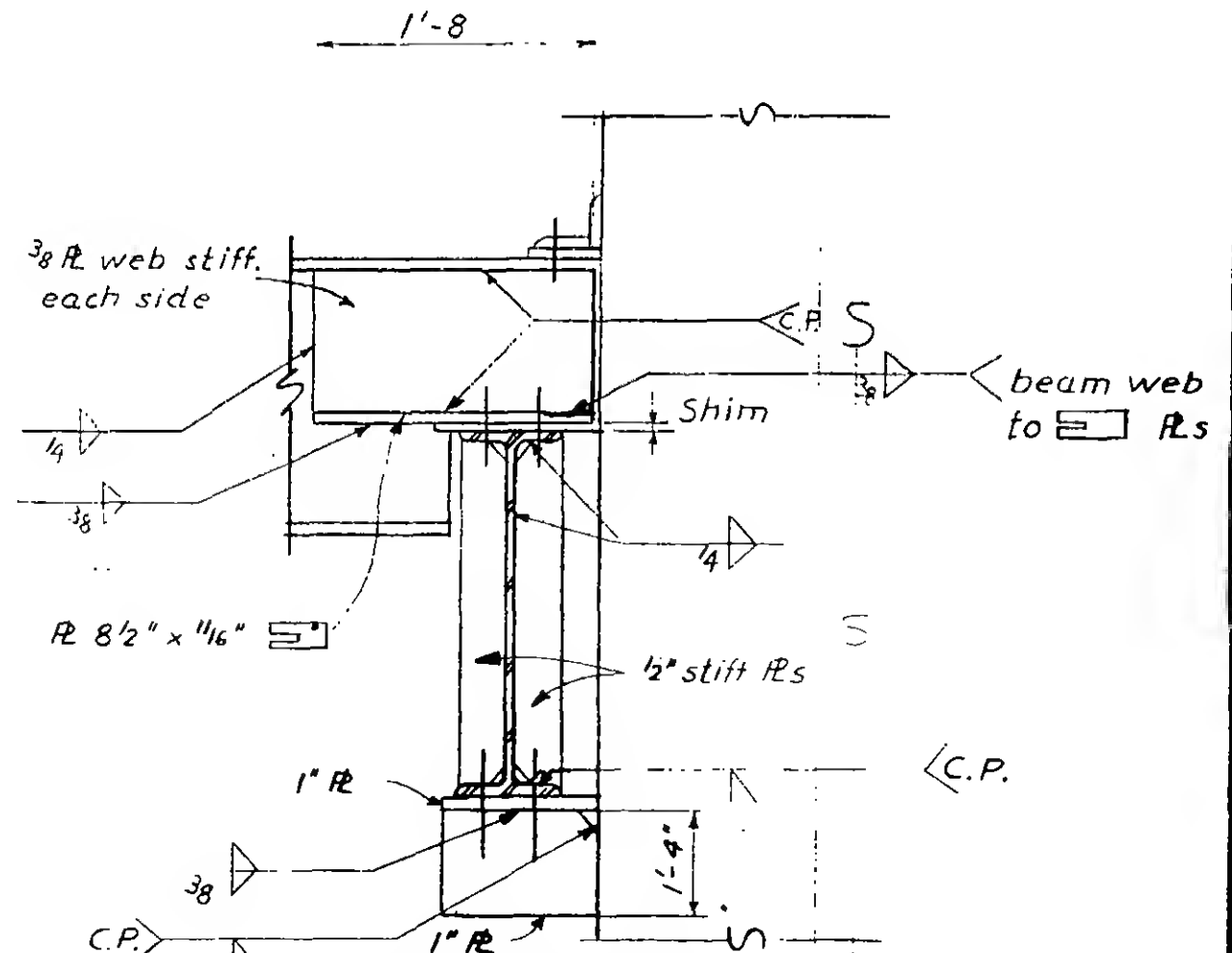
7-28-67



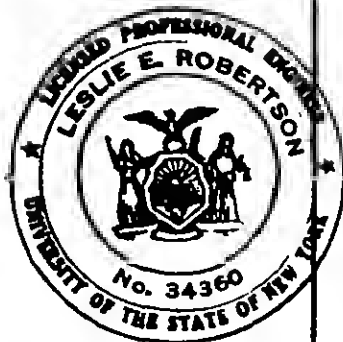
Plan



Section a-a

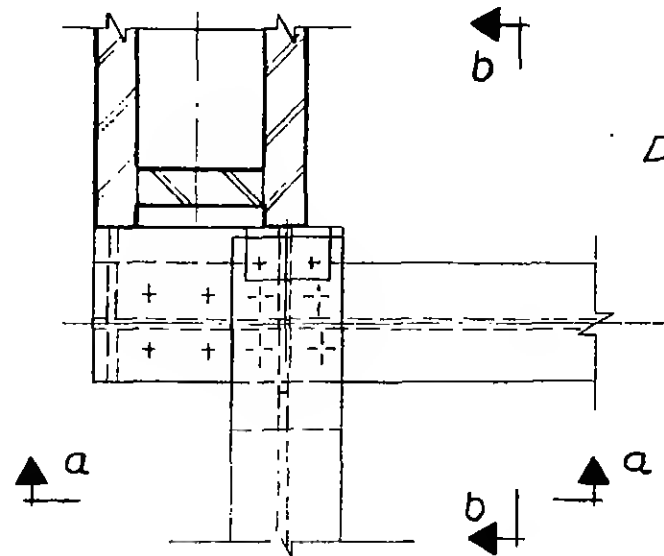


Section b-b

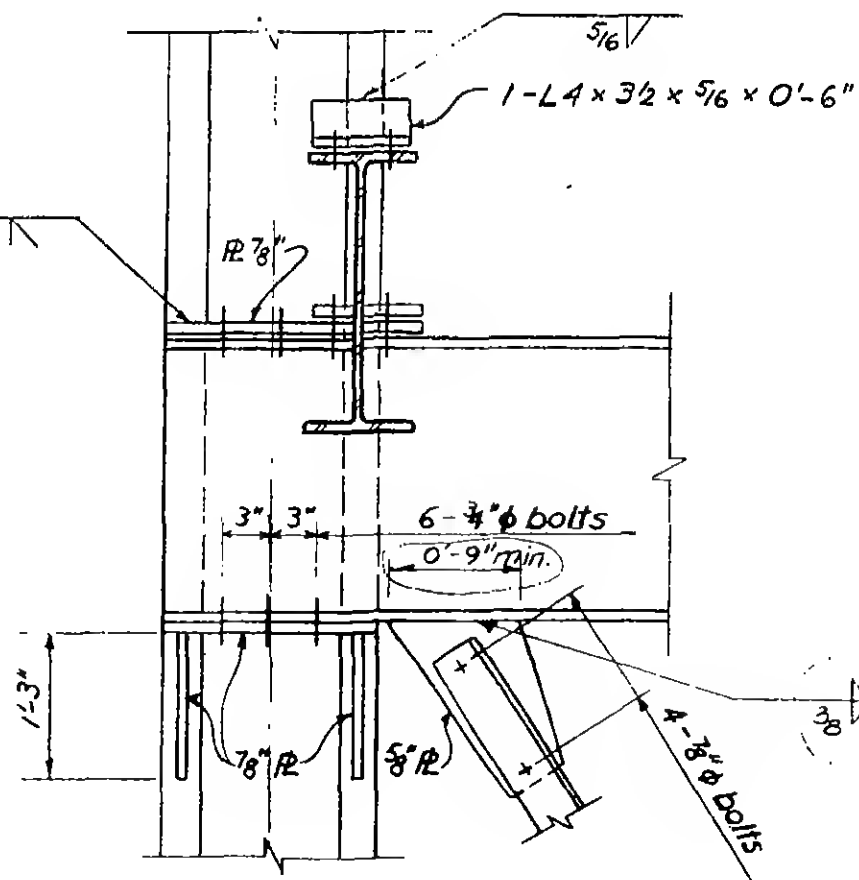
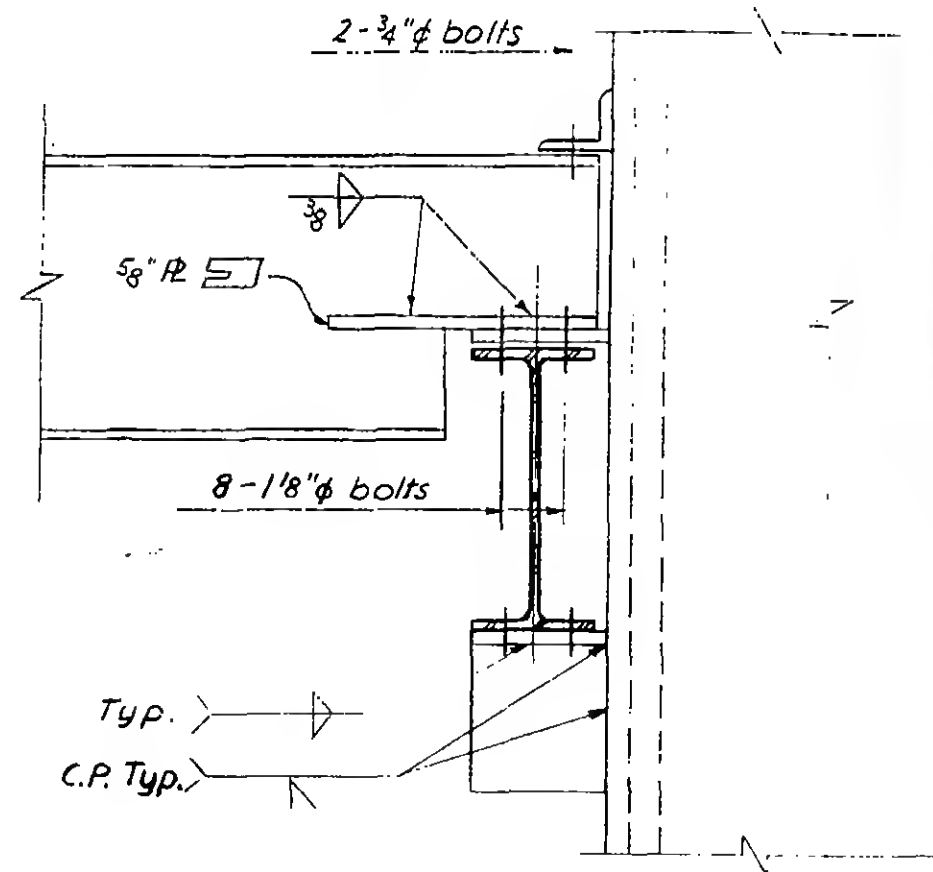
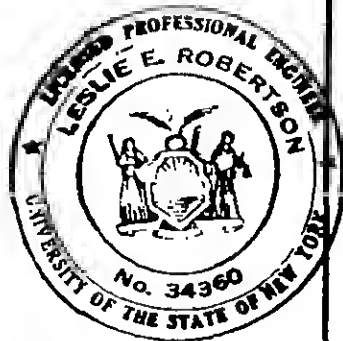


REVISIONS

10-31-67



Detail 359 B: See G-AB5-96 for bracing elevation

PlanSection a-aSection b-b

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 360 A, B

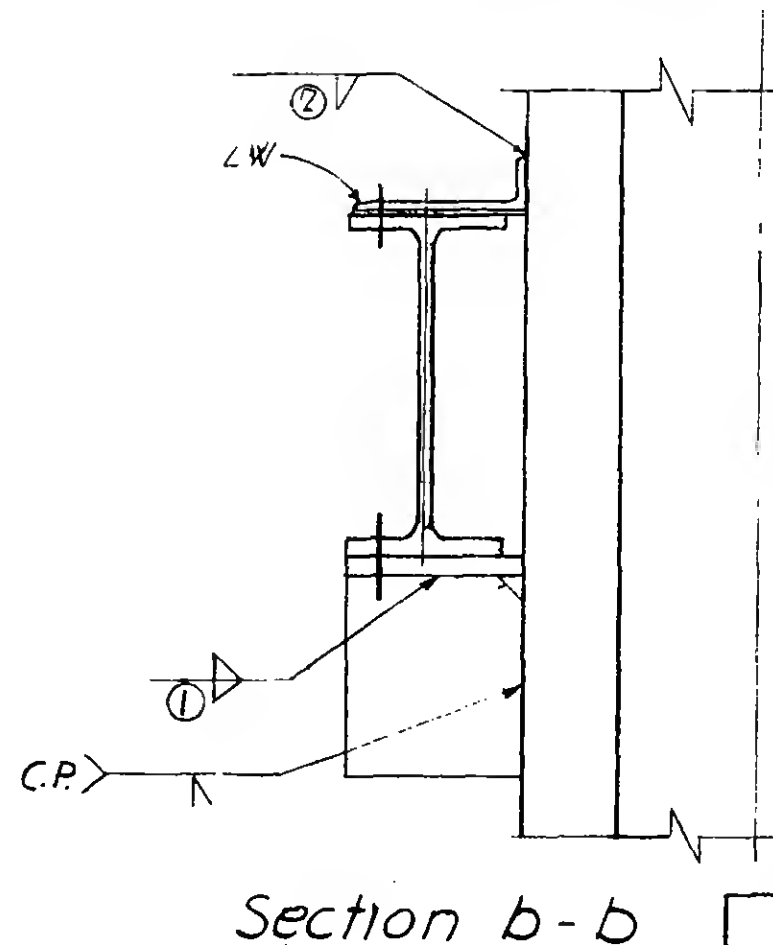
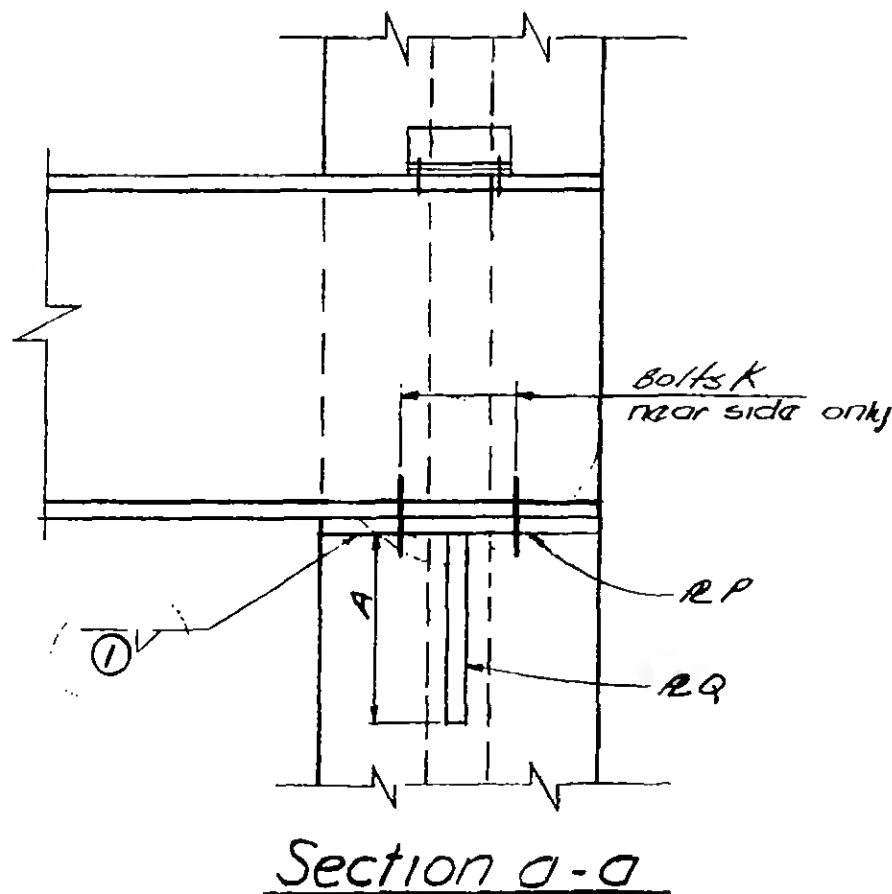
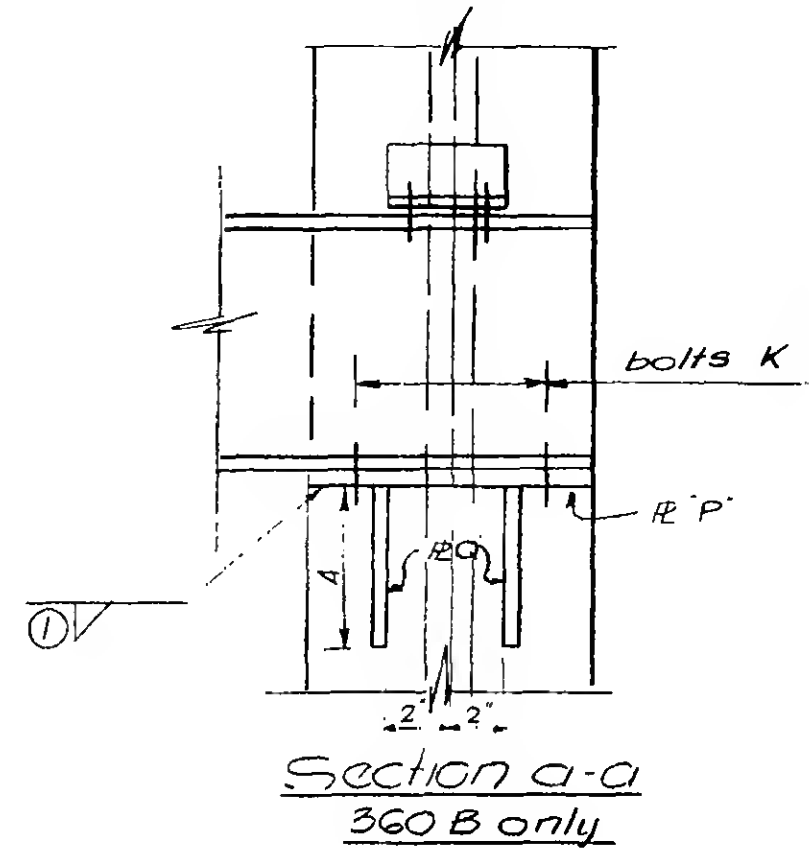
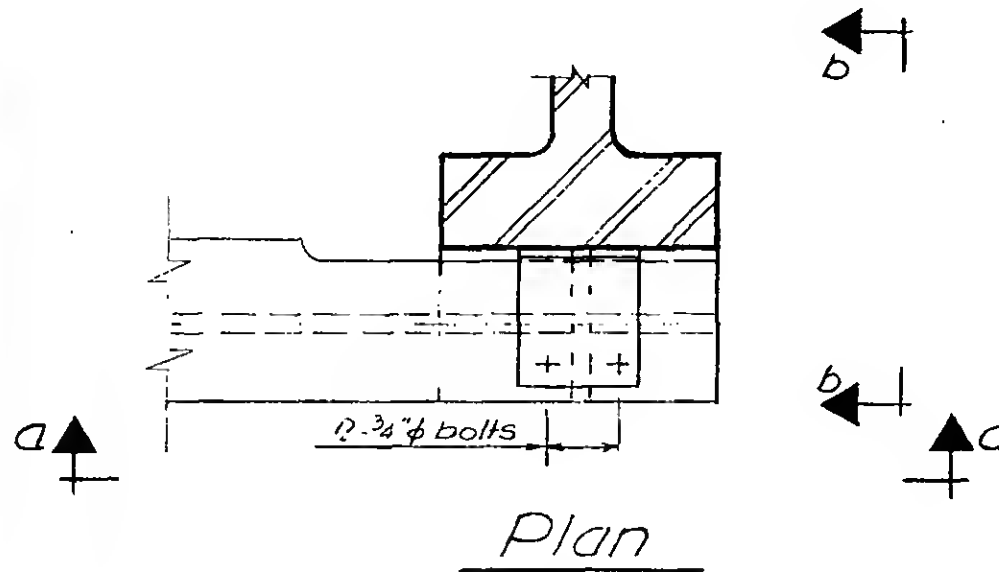
DATE 5-22-67

REVISIONS

9-15-67

10-2-67

11-10-67



6-ABI-167

Structural & Civil Engineers

TITLE SCHEDULE FOR DETAIL 360A, B.

DATE 9-15-67

10-7-67

11-10-67

[illegible]

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Civil & Structural Engineers

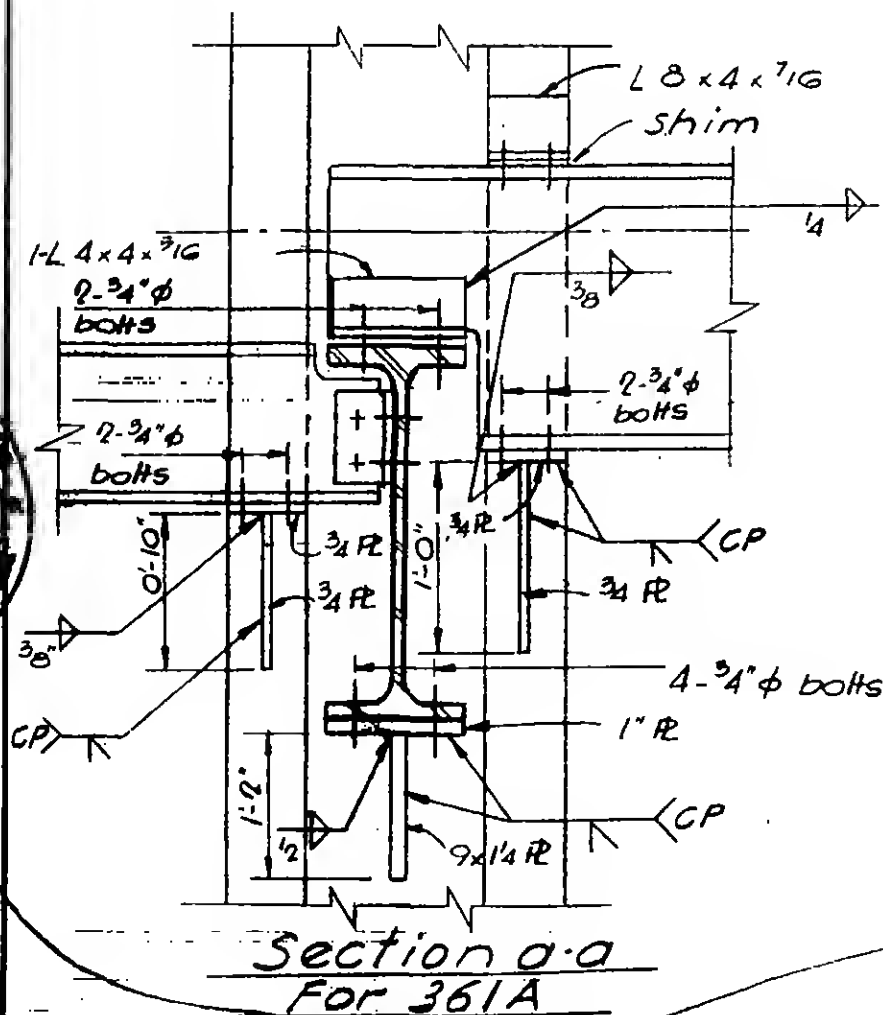
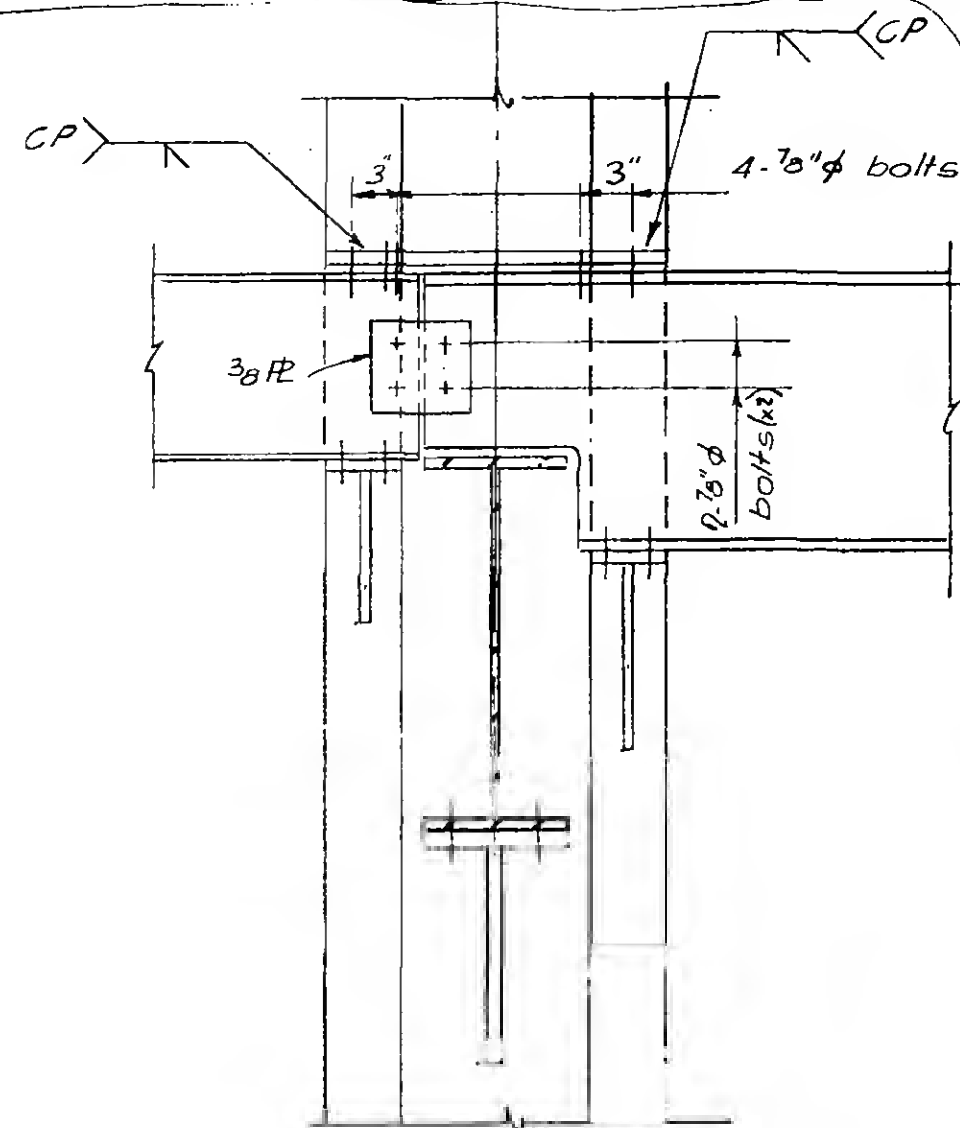
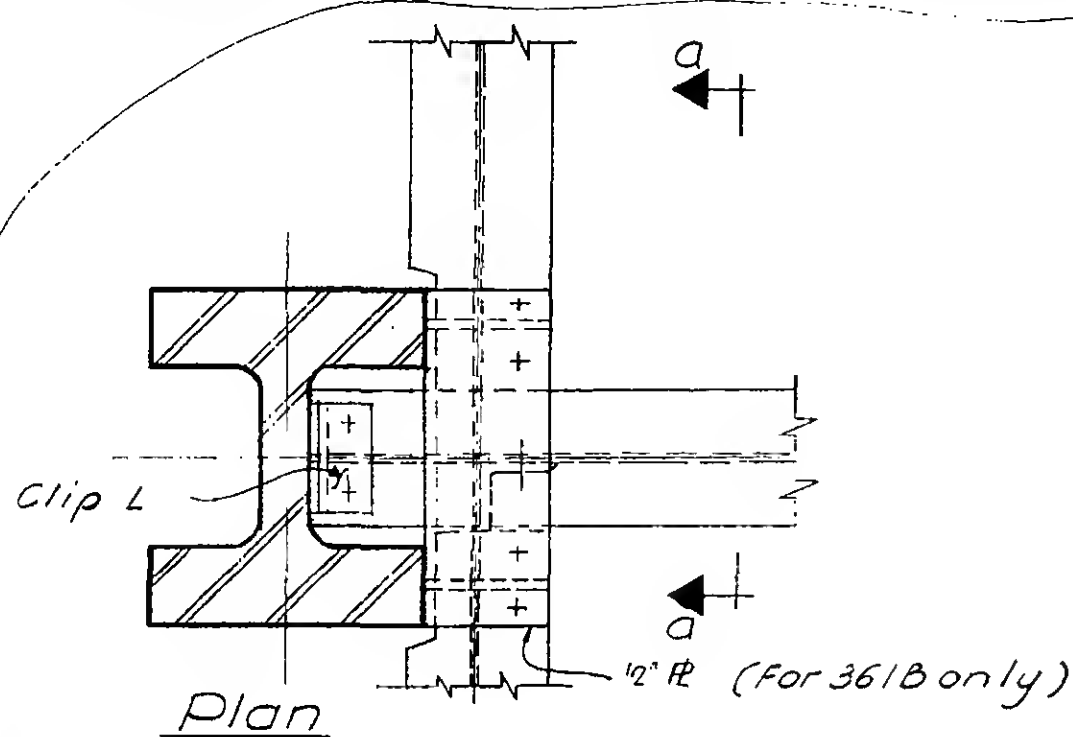
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 361A & B

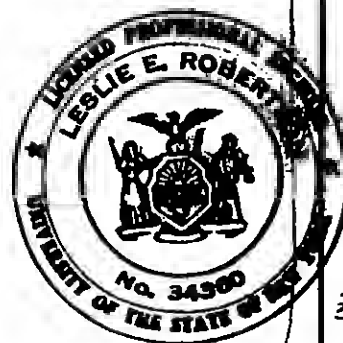
DATE 5-22-67

REVISIONS

10-2-67



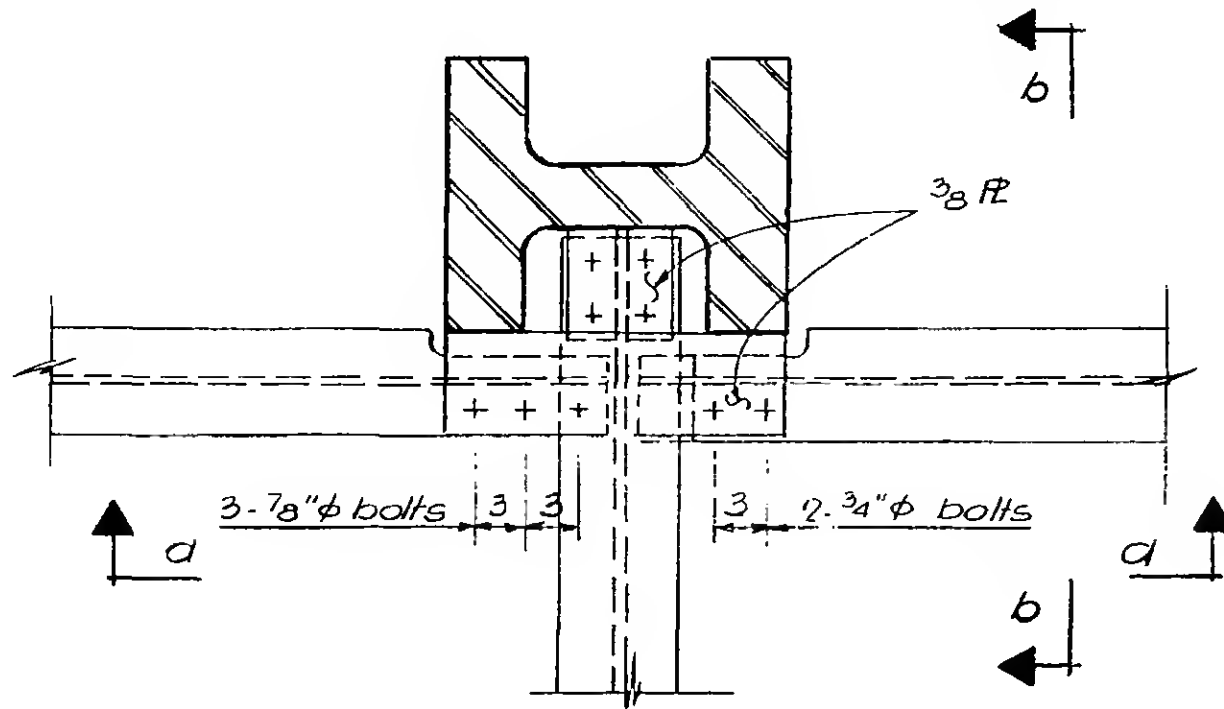
For information not shown
see Sect. a-a for 361A.



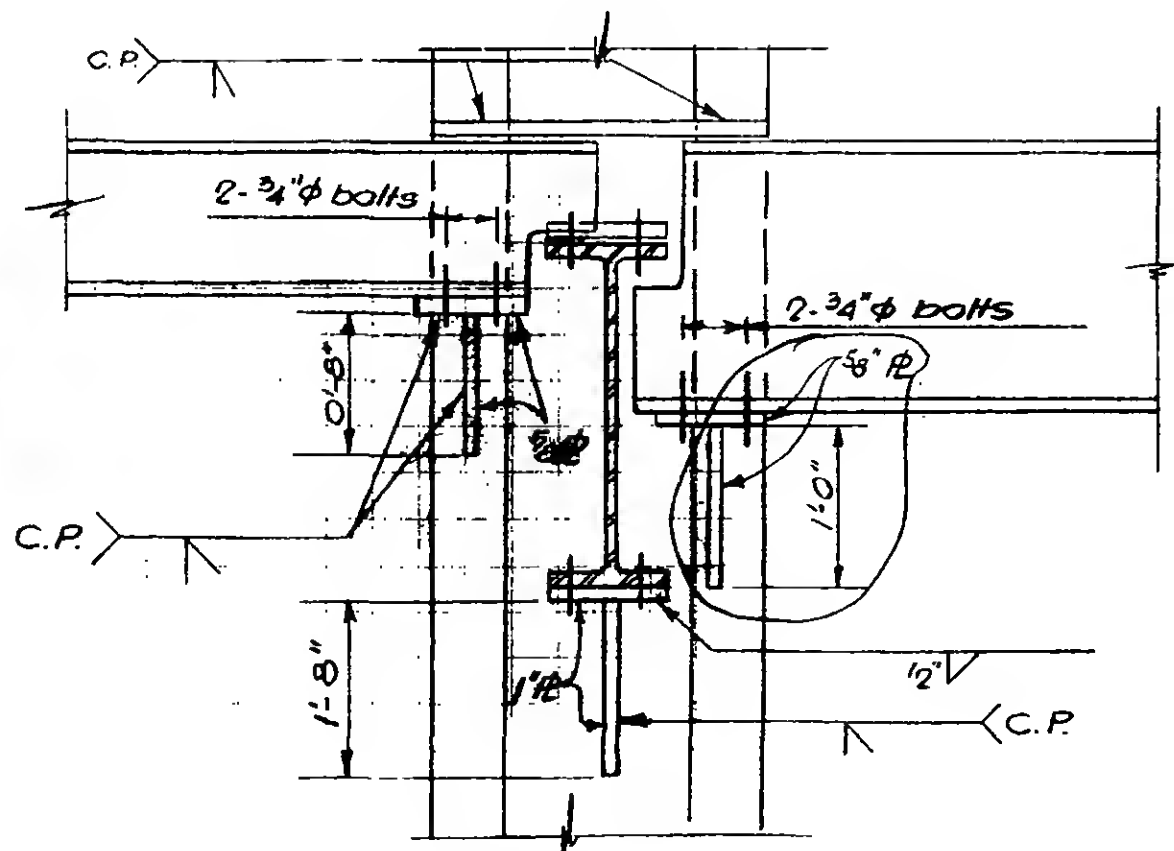
G-ABI-168

REVISIONS

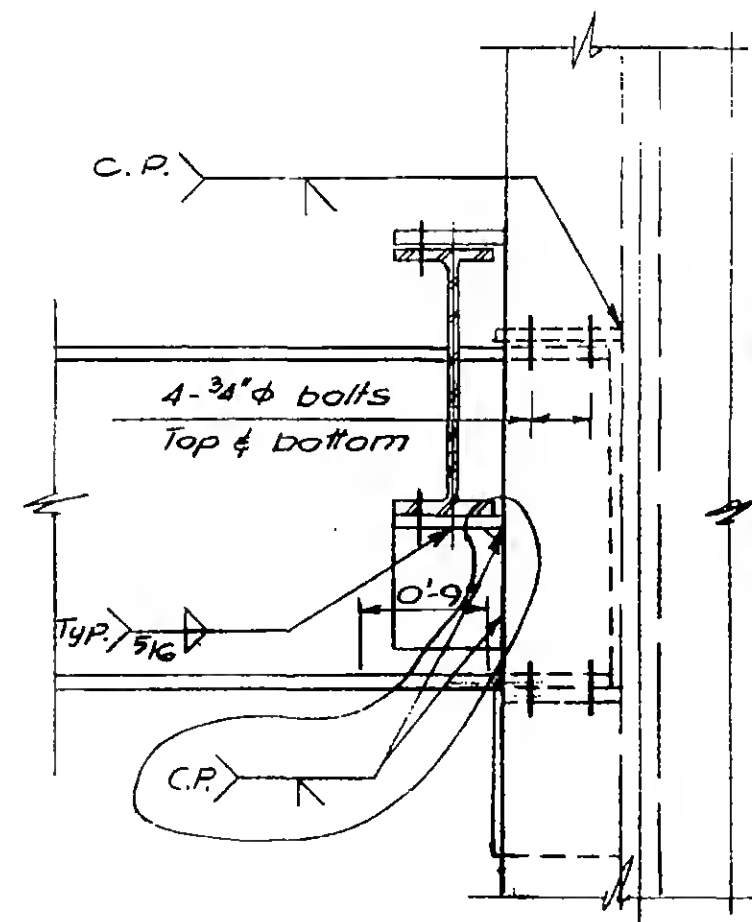
10-31-67



Plan



Section a-a

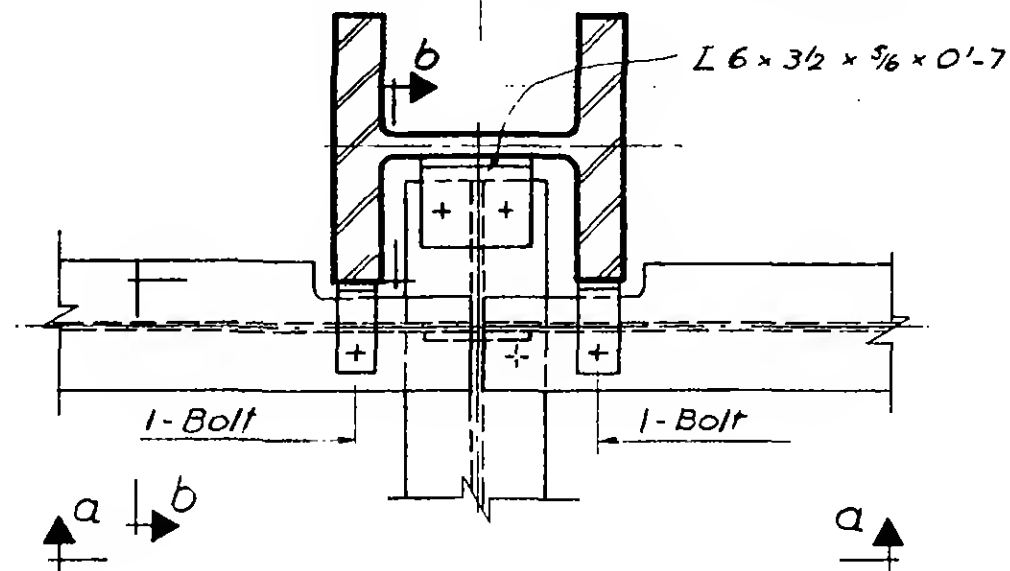
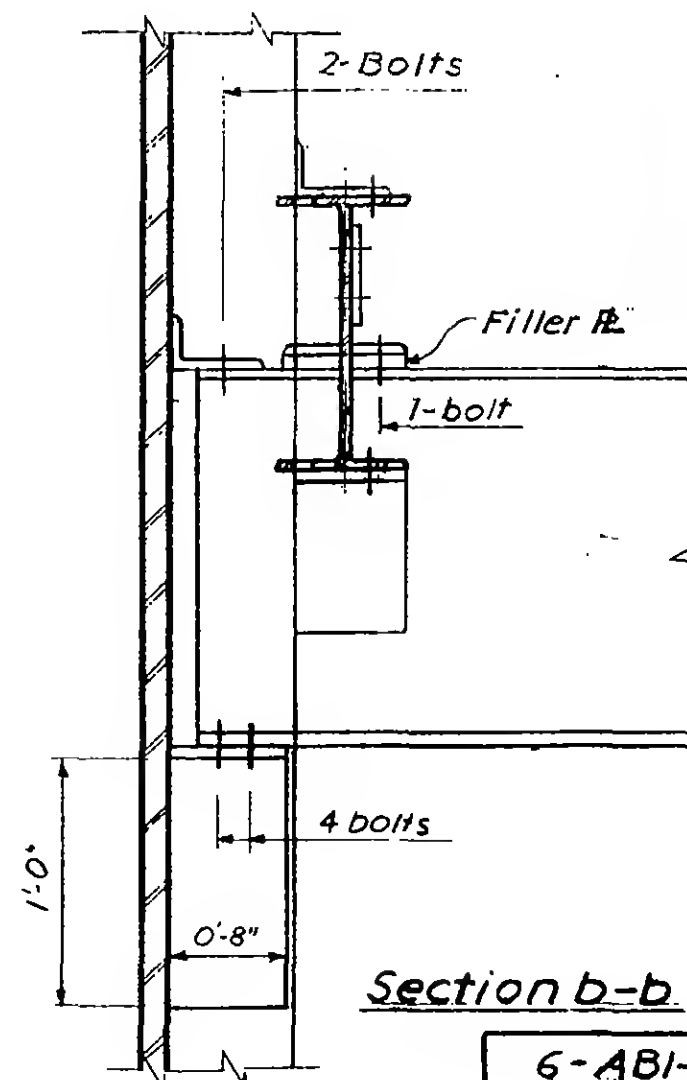
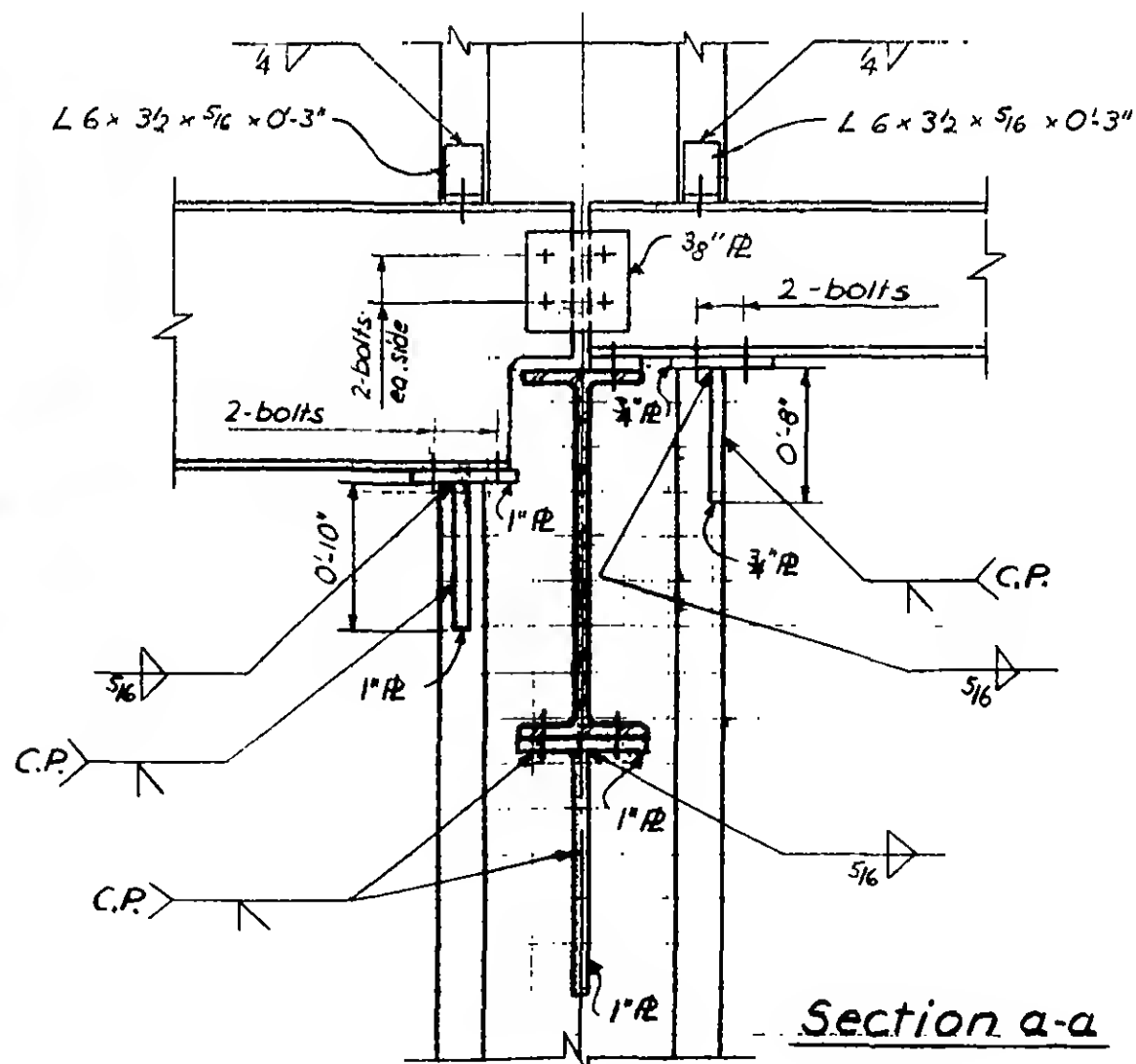


Section b-b



G-ABI-169

REVISIONS

All bolts $\frac{3}{4}" \phi$ 

6-ABI-169.1

PROJECT **THE WORLD TRADE CENTER**

TITLE **CONNECTION DETAIL 363 A, B**

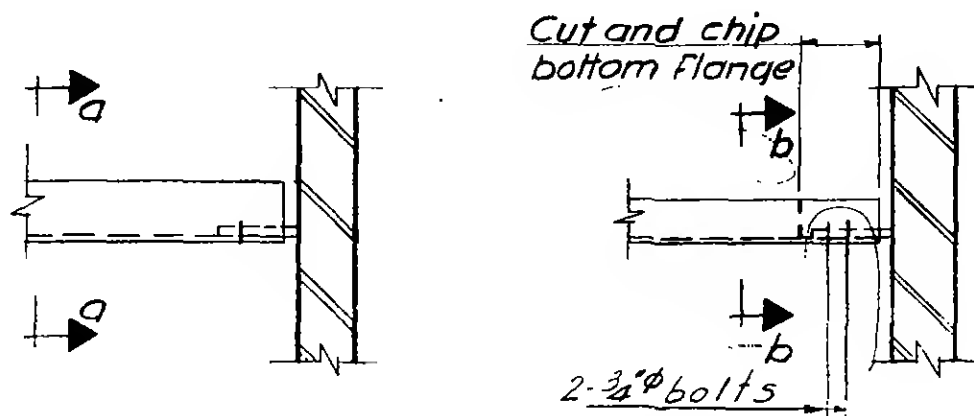
DATE **5-22-67**

REVISIONS

7-28-67

8-5-67

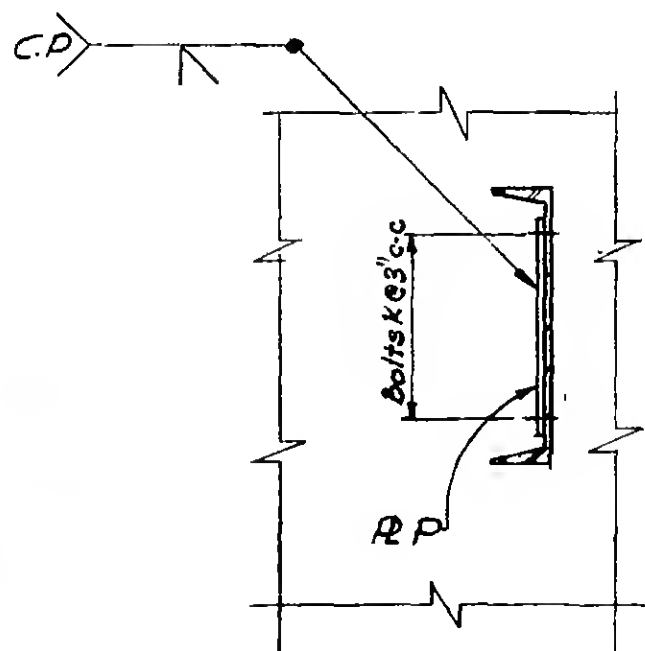
3-11-68



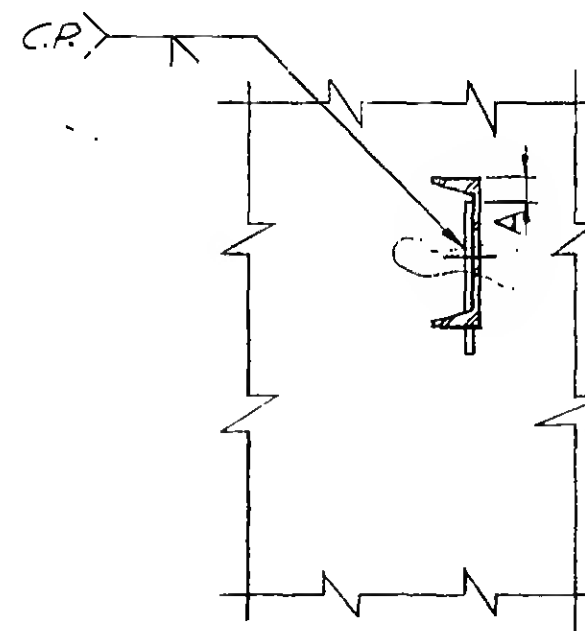
Plan - detail 363A
9" Channel Support

Plan - detail 363B
(5" or 6") Channel Support

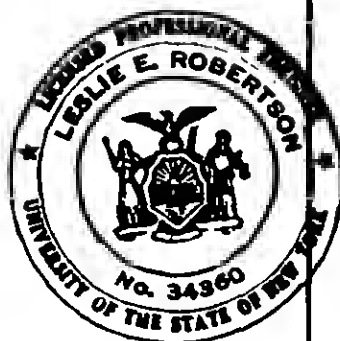
SCHEDULE		
	363 A	363 B
PLATE		
P	1/2"	6 x 3/8" x 0'-6"
DIMENSION		
A	—	3/4"
BOLTS		
K	2-7/8"φ	—
WELD		
①	—	516



Section a-a



Section b-b

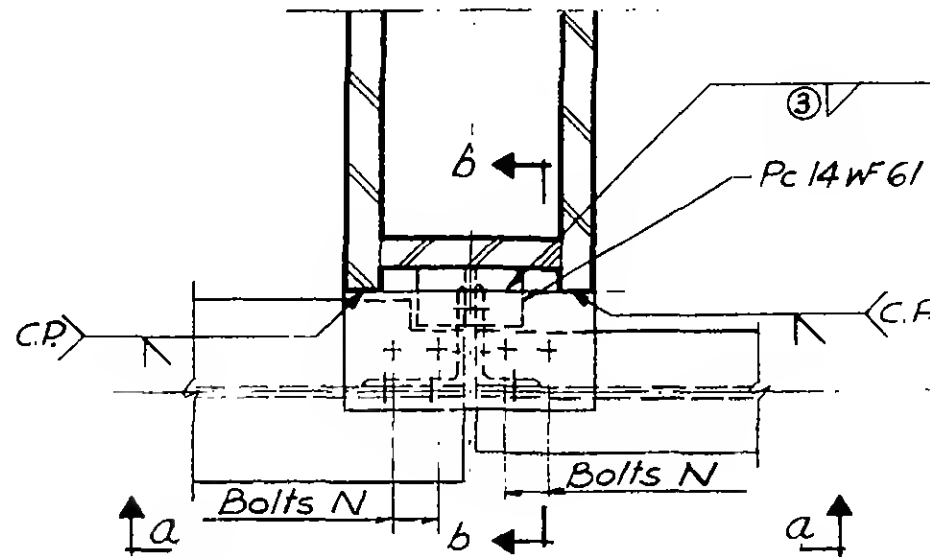


REVISIONS

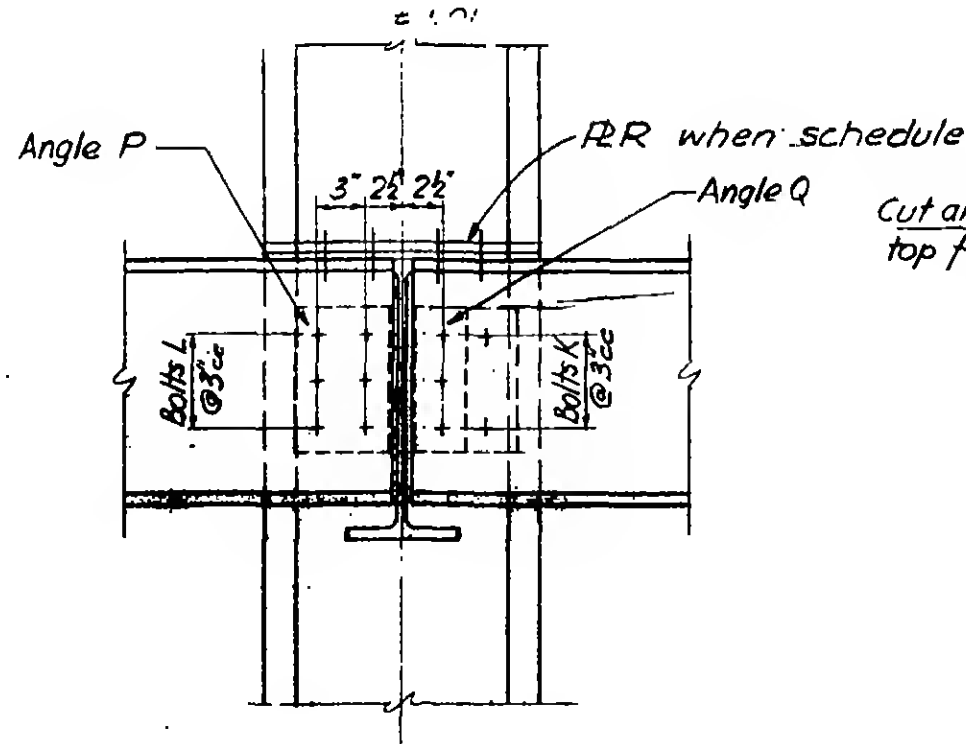
6-30-67

7-28-67

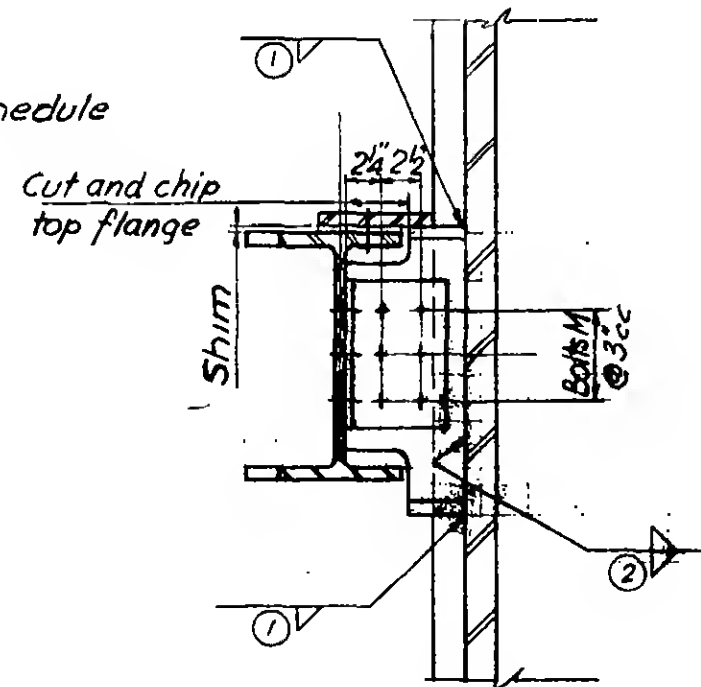
8-5-67



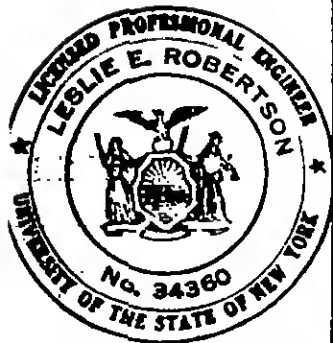
PLAN



SECTION a-a



SECTION b-b



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

SCHEDULE FOR DETAIL 364 A-F

DATE

6-30-67

REVISIONS

7-28-67

8-5-67

9-15-67

11-10-67

REF. DWG.

G-ABI-171

G-ABI-171

G-ABI-171

G-ABI-171.2

G-ABI-171.3

G-ABI-171.3

364 A

364 B

364 C

364 D

364 E

364 F

PLATES

R

—

3/4"

—

6x3/8"x8 1/2"

5/8"

1/2"

S

—

—

—

—

5/8"

1/2"

T

—

—

—

—

5/8"

1/2"

ANGLES

P

6x6x3/8xC'-8 1/2"

6x6x3/8x0'-8 1/2"

6x6x3/8x0'-8 1/2"

4x3 1/2x3/8x0'-11 1/2"

8x4x1/2"

—

Q

6x4x7/16x0'-8 1/2"

6x6x7/16x0'-8 1/2"

6x6x3/8x0'-8 1/2"

4x3 1/2x3/8x0'-5 1/2"

—

—

DIMENSIONS

A

—

—

—

—

1'-0"

1'-0"

BOLTS

K

3-1"φ

6-7/8"φ

6-3/4"φ

2-3/4"φ

4-3/4"φ

—

L

6-7/8"φ

6-7/8"φ

6-3/4"φ

2-3/4"φ

6-7/8"φ

6-7/8"φ

M

6-7/8"φ

6-7/8"φ

6-3/4"φ

4-3/4"φ

—

—

N

—

2-7/8"φ

—

—

—

—

WELDS

①

1/2

1/2

1/2

3/8

3/8

—

②

1/2

1/2

1/2

1/4

9/16

3/8

③

—

3/8

—

—

9/16

—

④

—

—

—

—

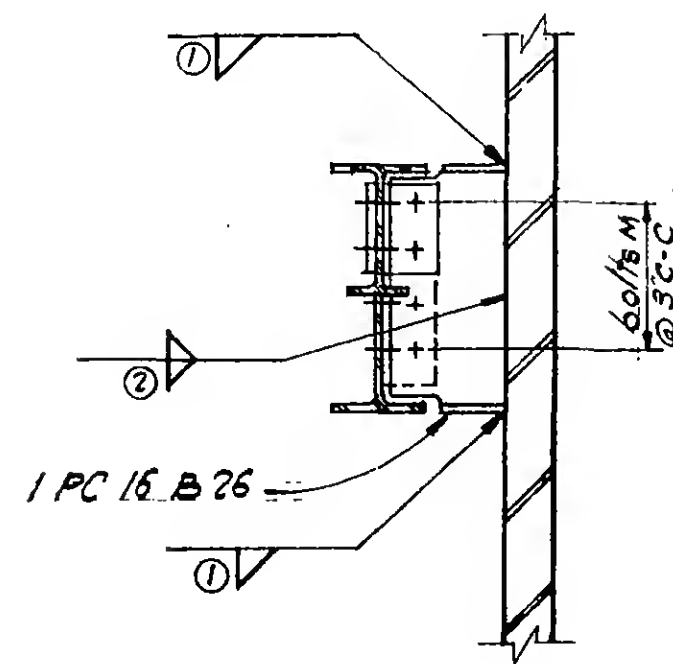
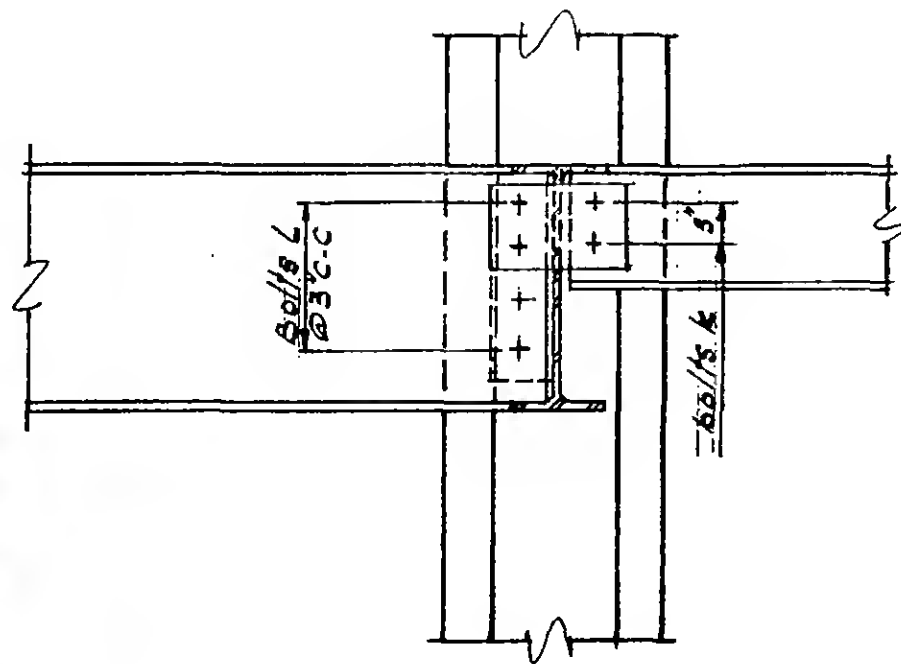
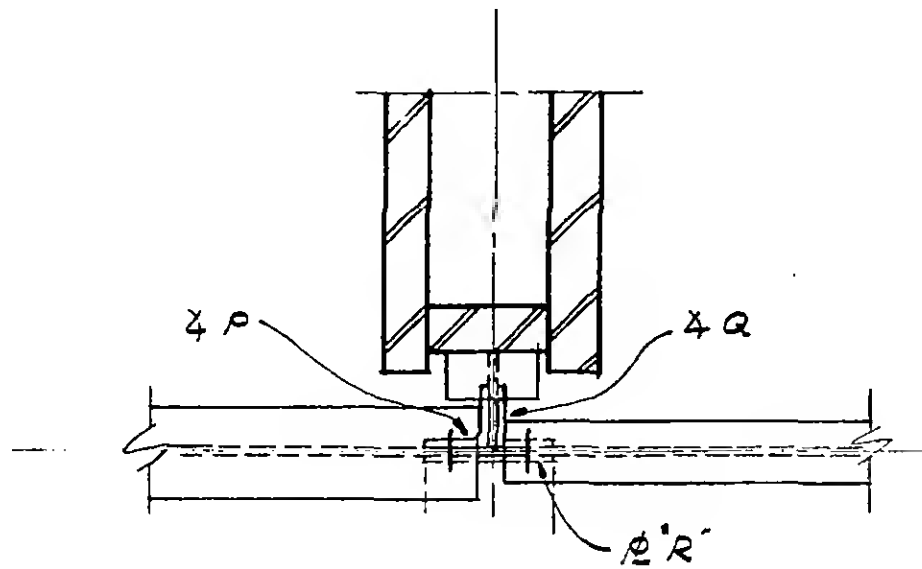
1/2

5/16



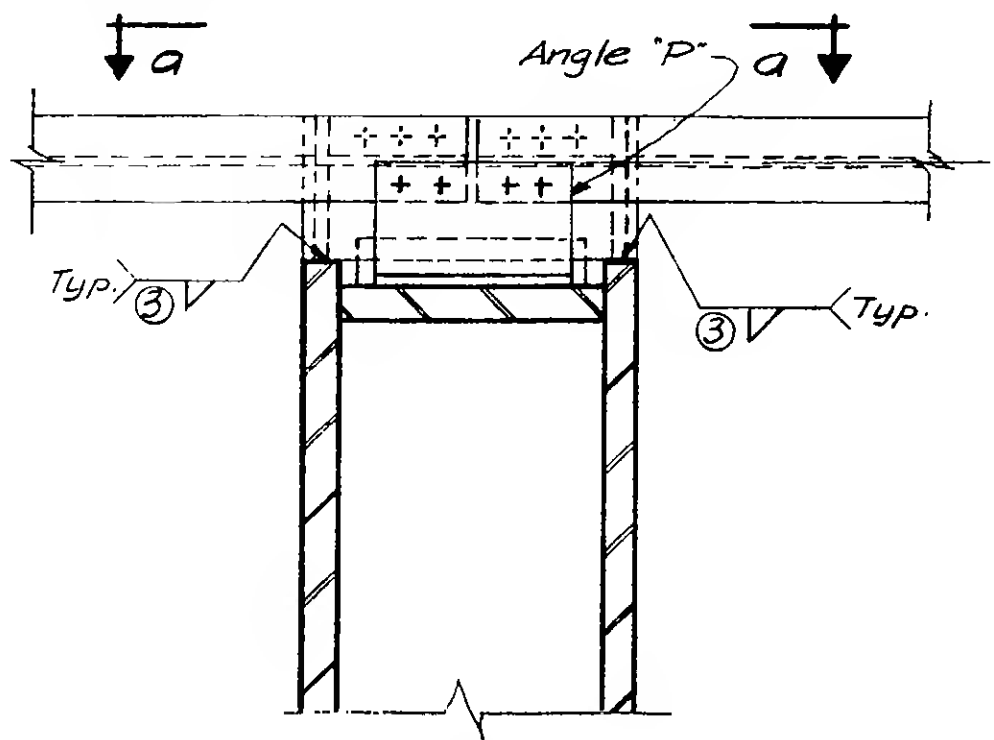
G-ABI-171.1

REVISIONS

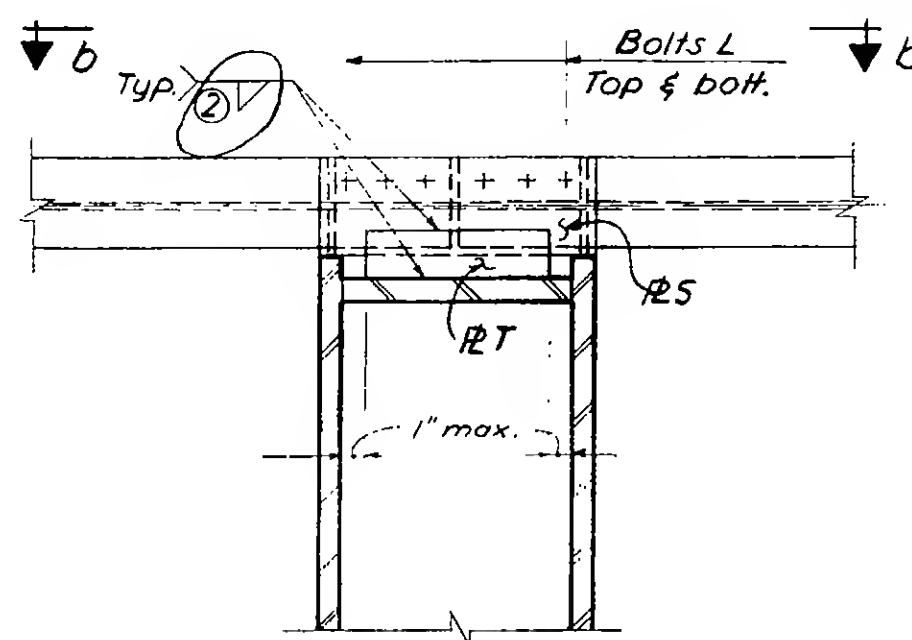


REVISIONS

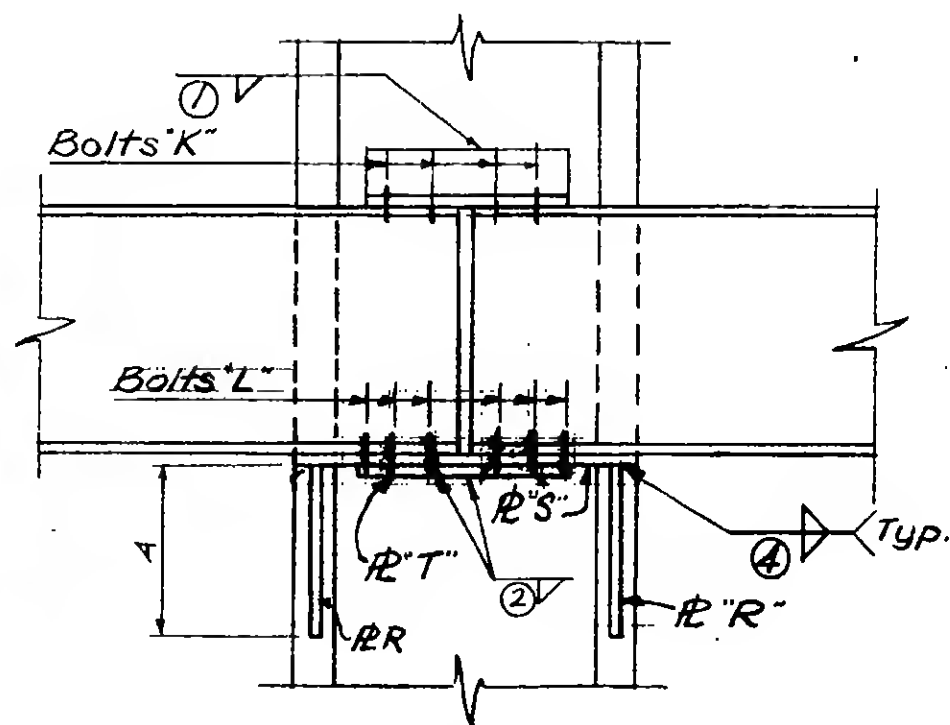
11-10-67



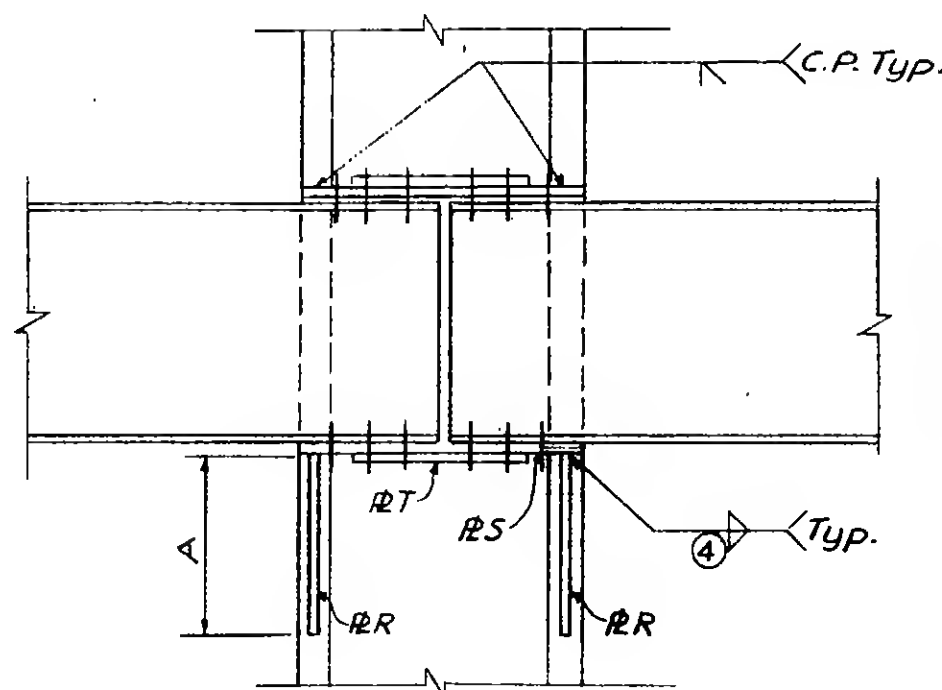
Plan
Detail 364E



Plan
Detail 364 F

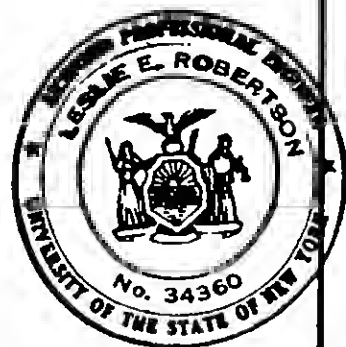


Section a-a



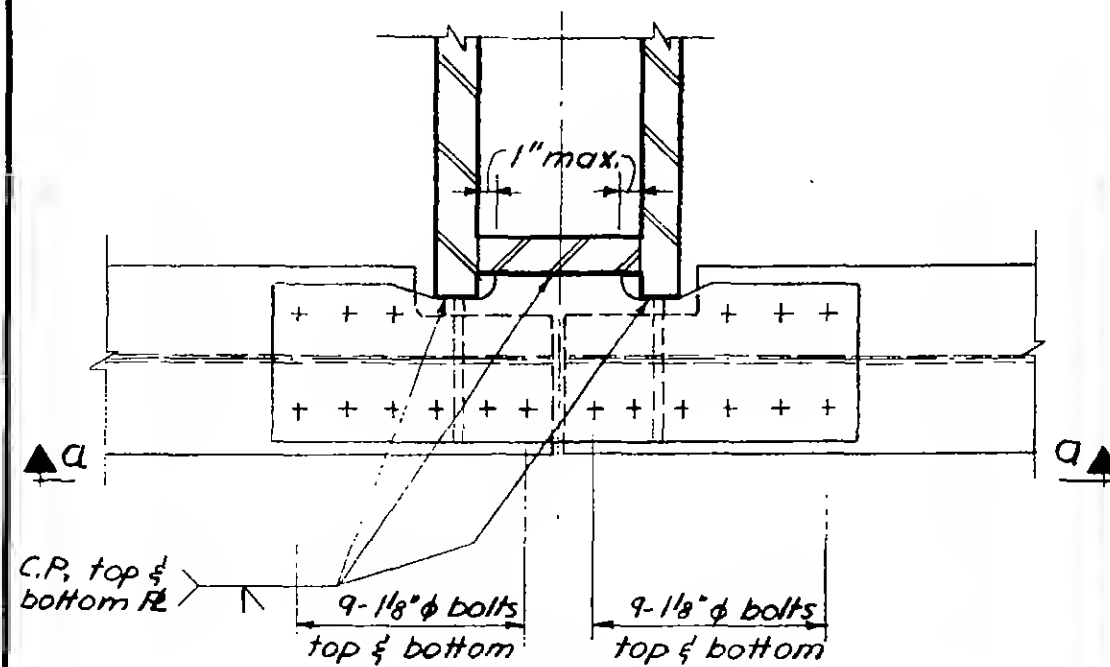
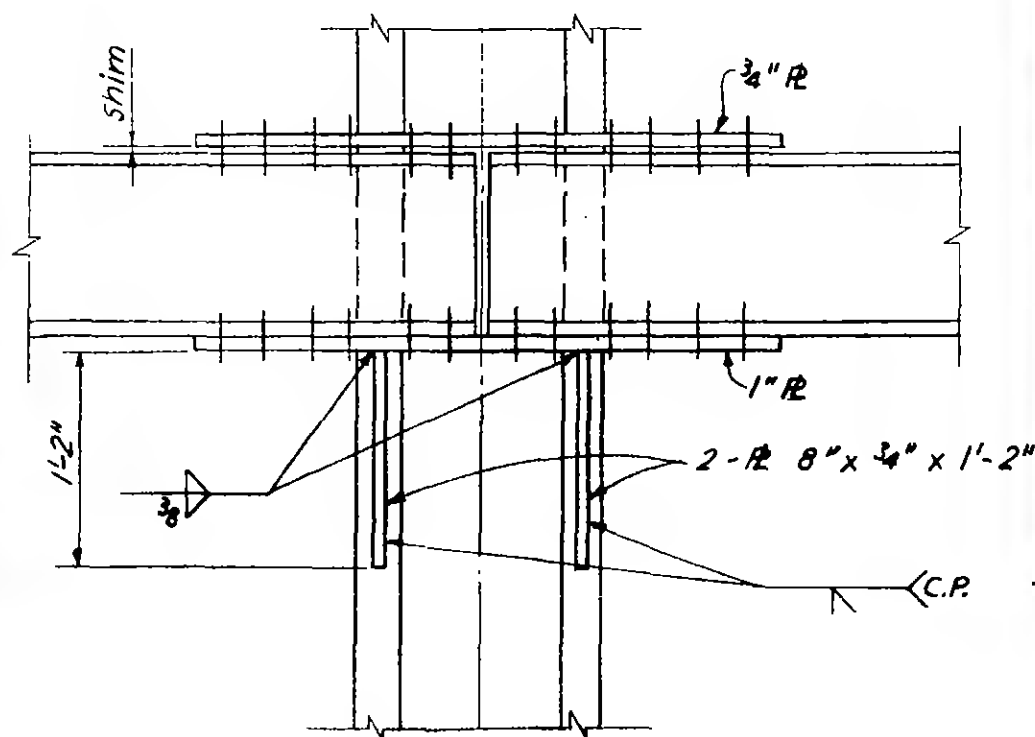
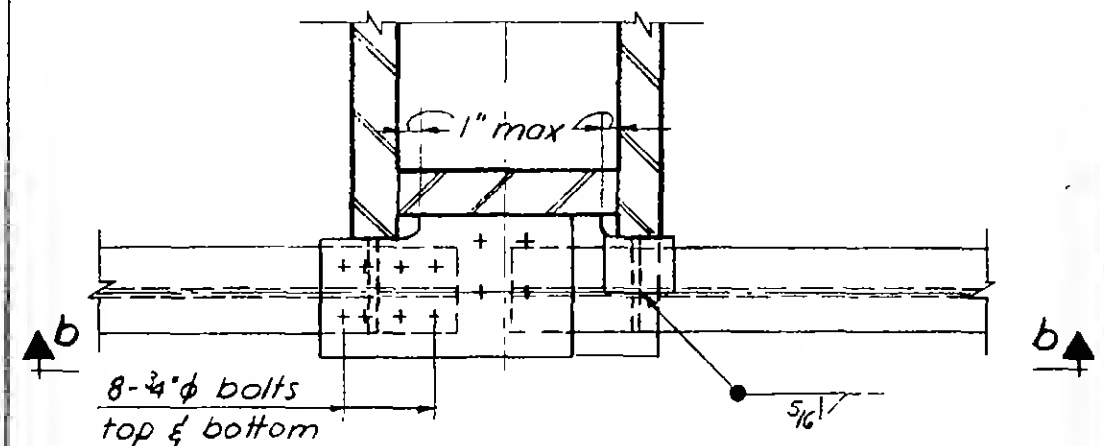
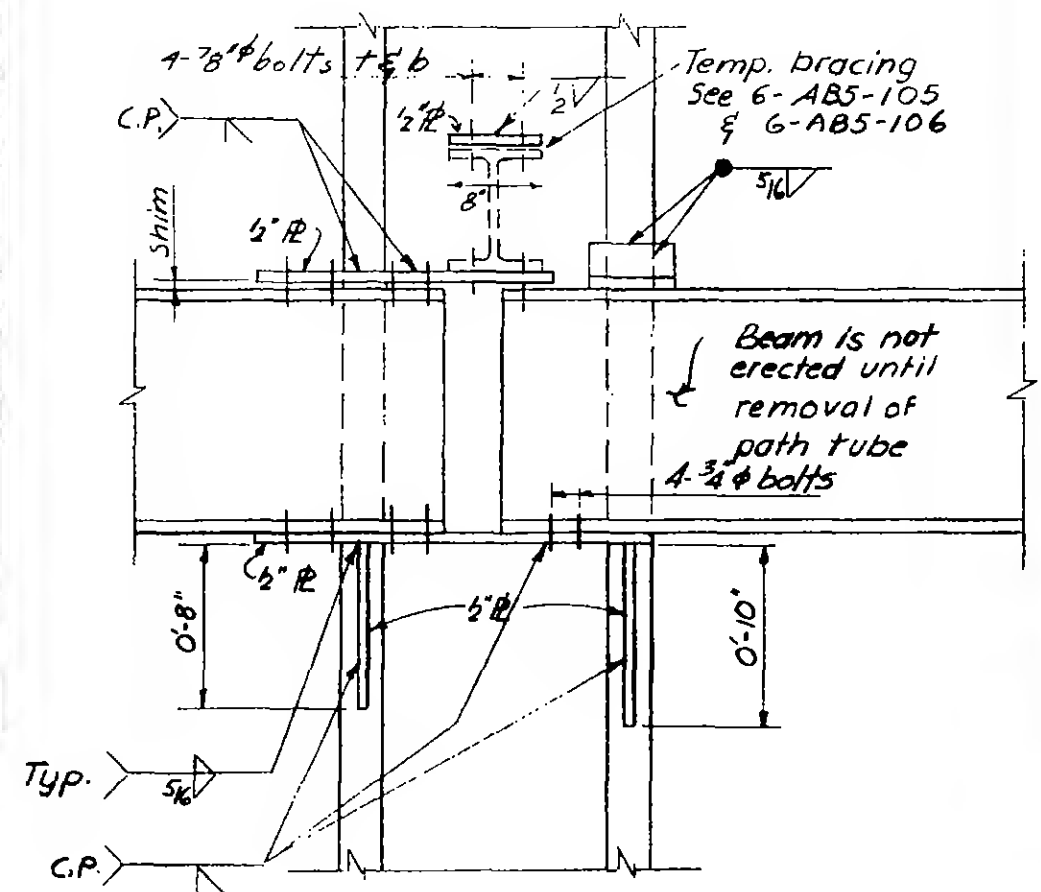
Section b-b

6-AB1-171.3



PROJECT *THE WORLD TRADE CENTER*TITLE *CONNECTION DETAIL 364 G & H*DATE *2-9-68*

REVISIONS

*Plan**Section a-a**Detail 364 G**Plan**Section b-b**Detail 364 H*

6-ABI-171.4

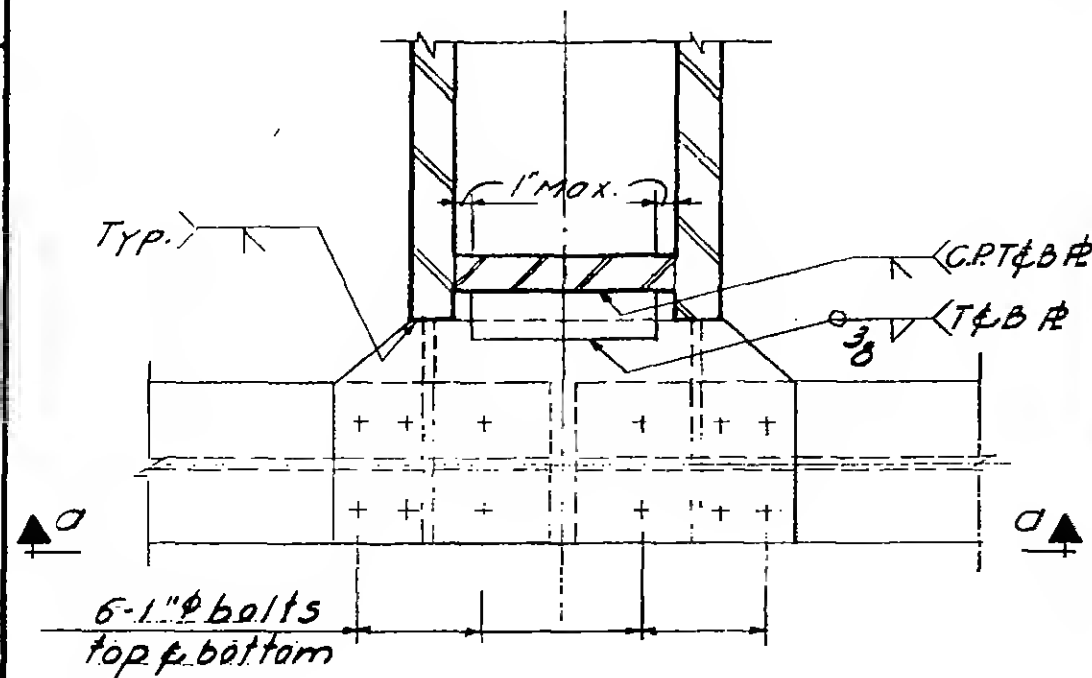


PROJECT THE WORLD TRADE CENTER

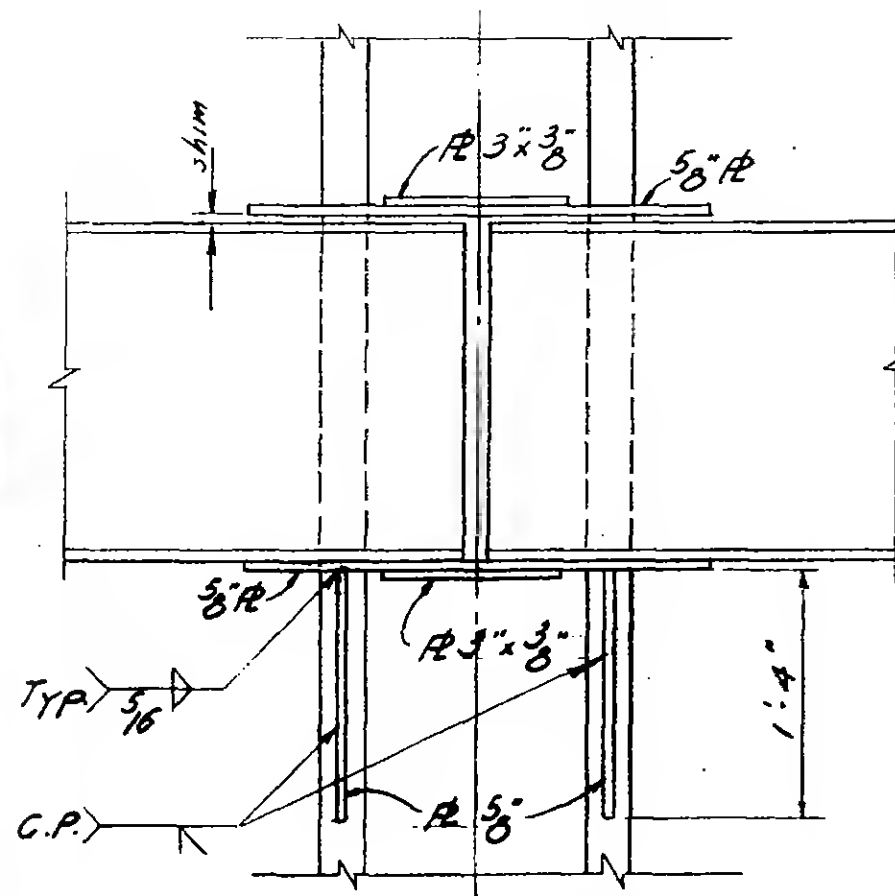
TITLE CONNECTION DETAIL 364 I, 364 J

DATE 2-9-68

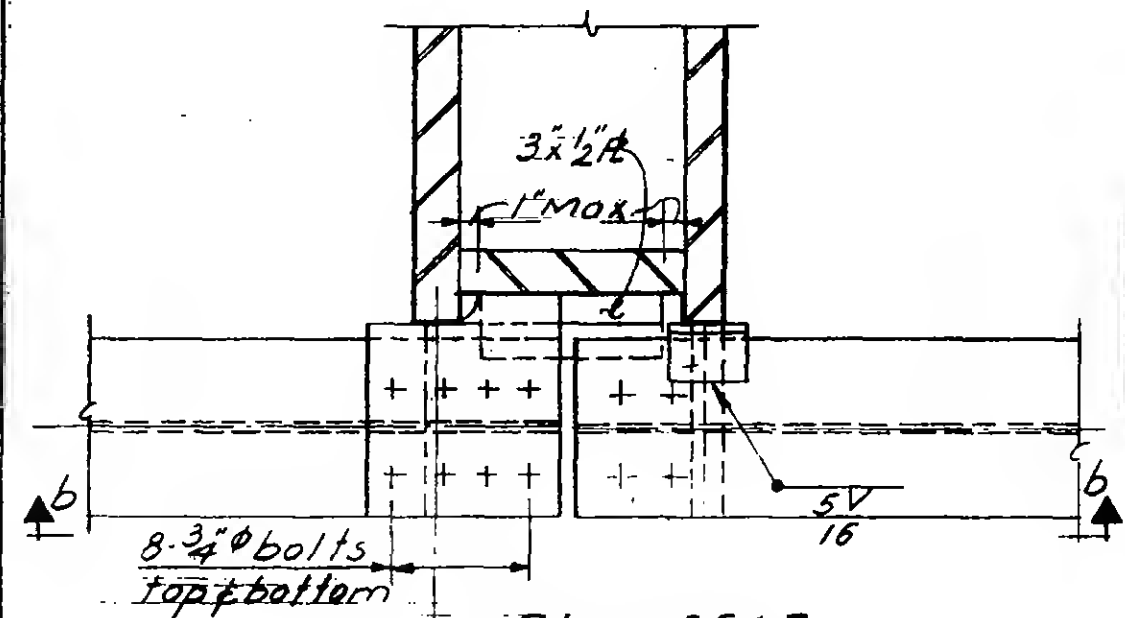
REVISIONS



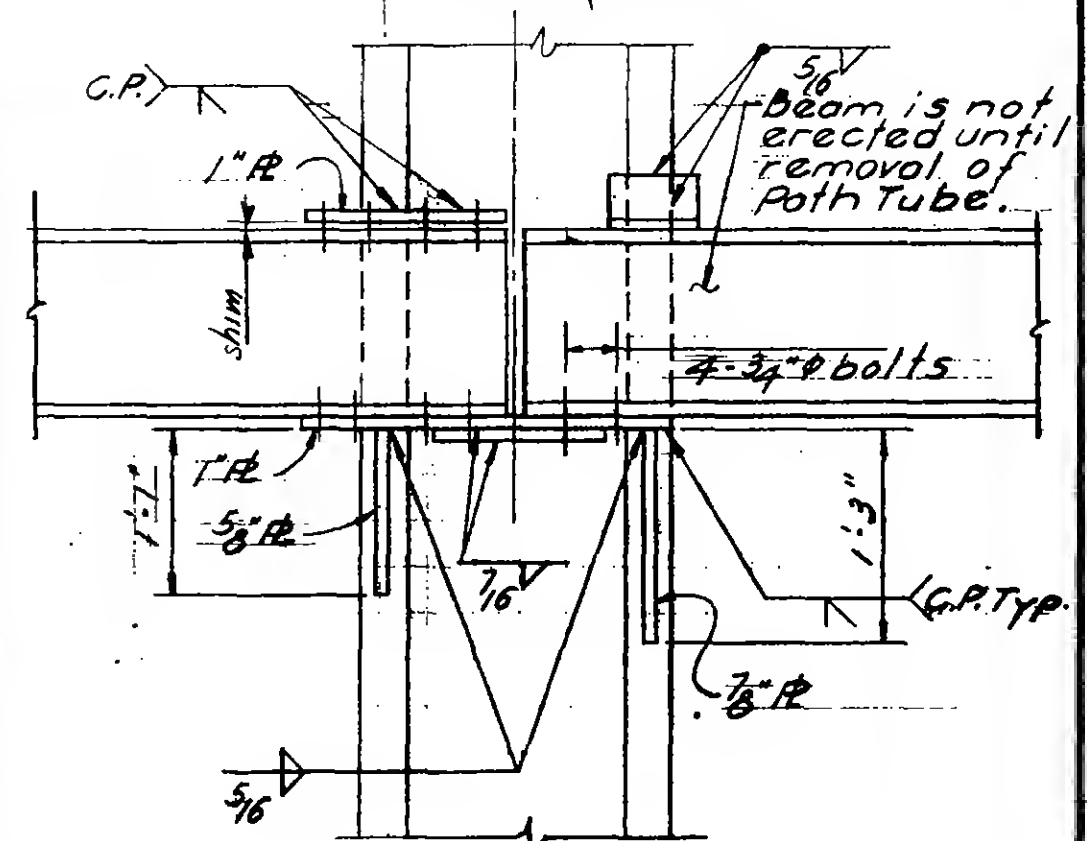
Plan 364 J



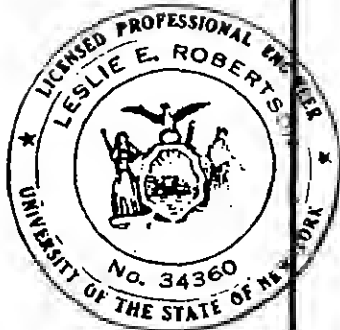
Section a-a



Plan 364 I

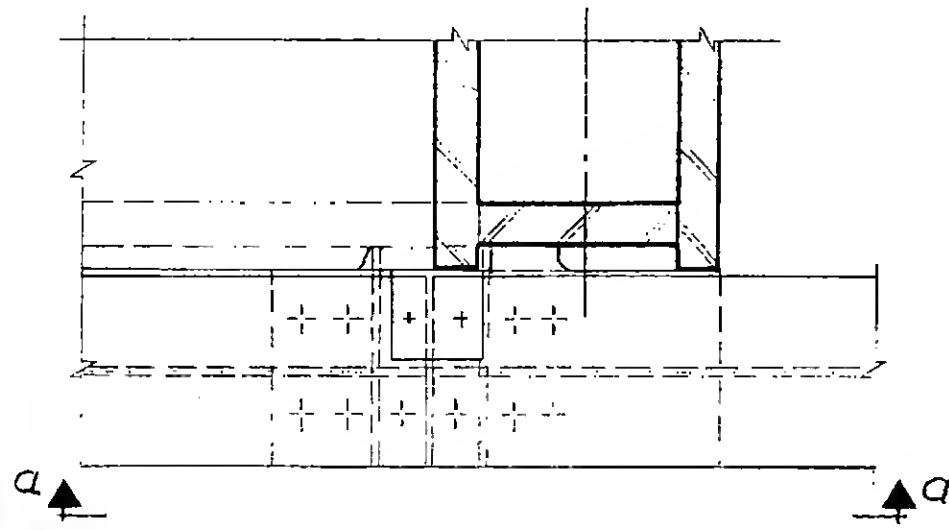
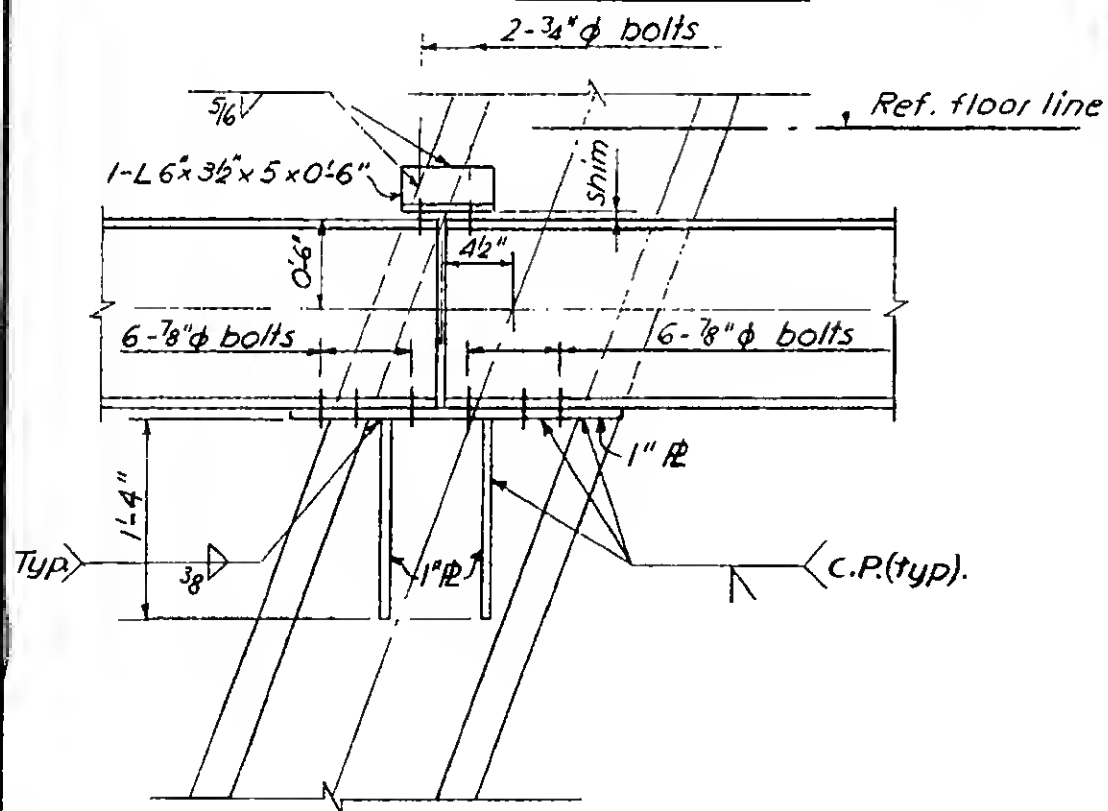


Section b-b

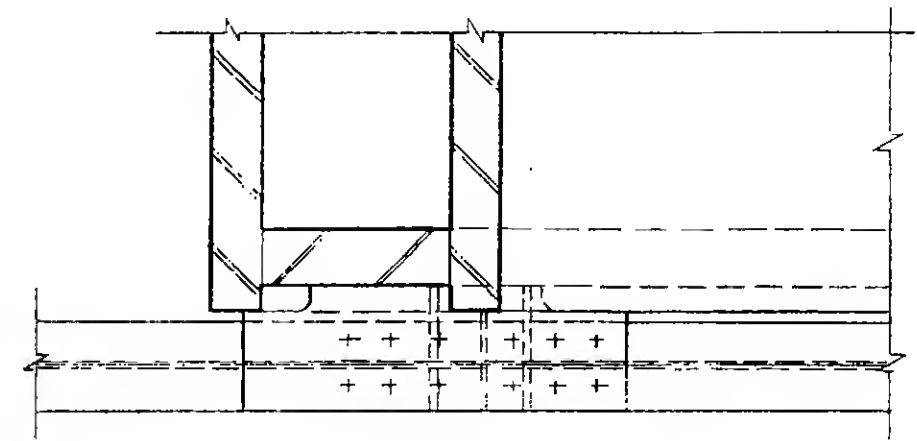
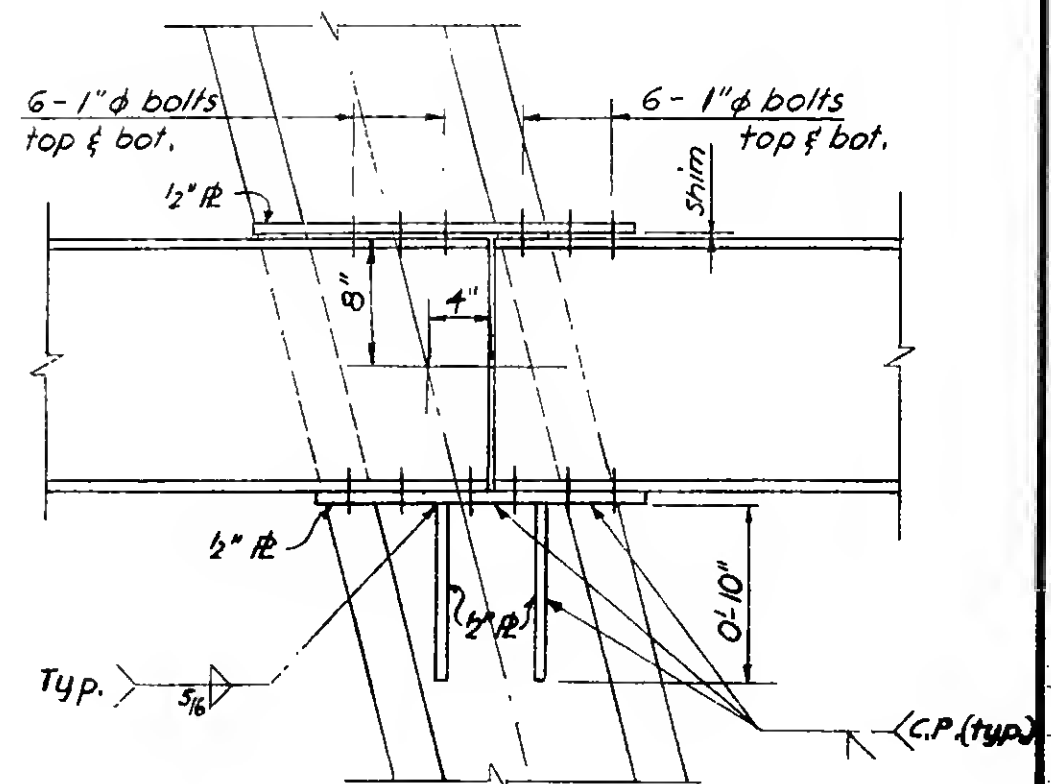


6-ABI-171.5

REVISIONS

Plan (364K)

Section a-a

Detail 364 KPlan(364L)

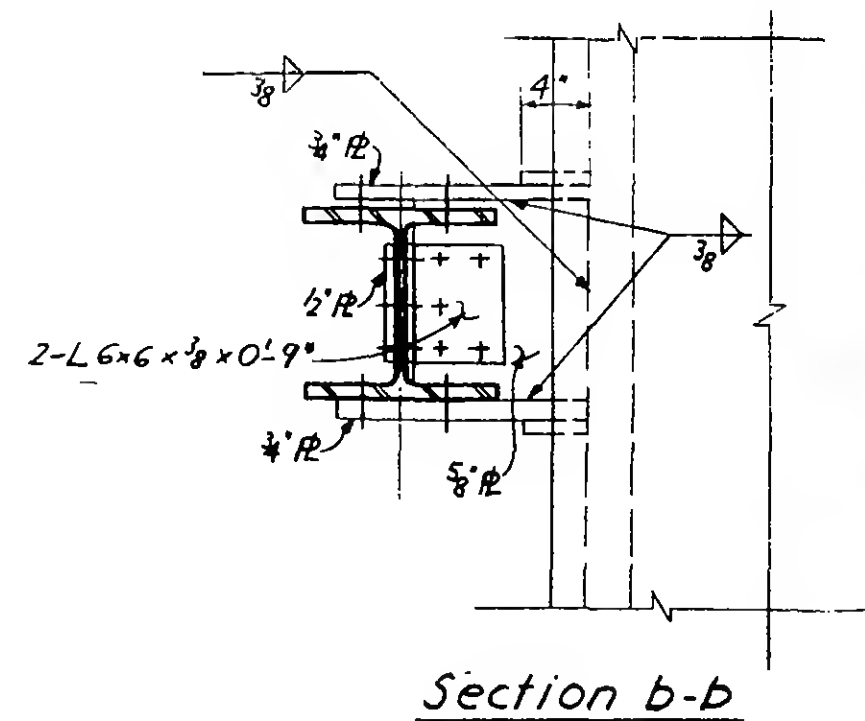
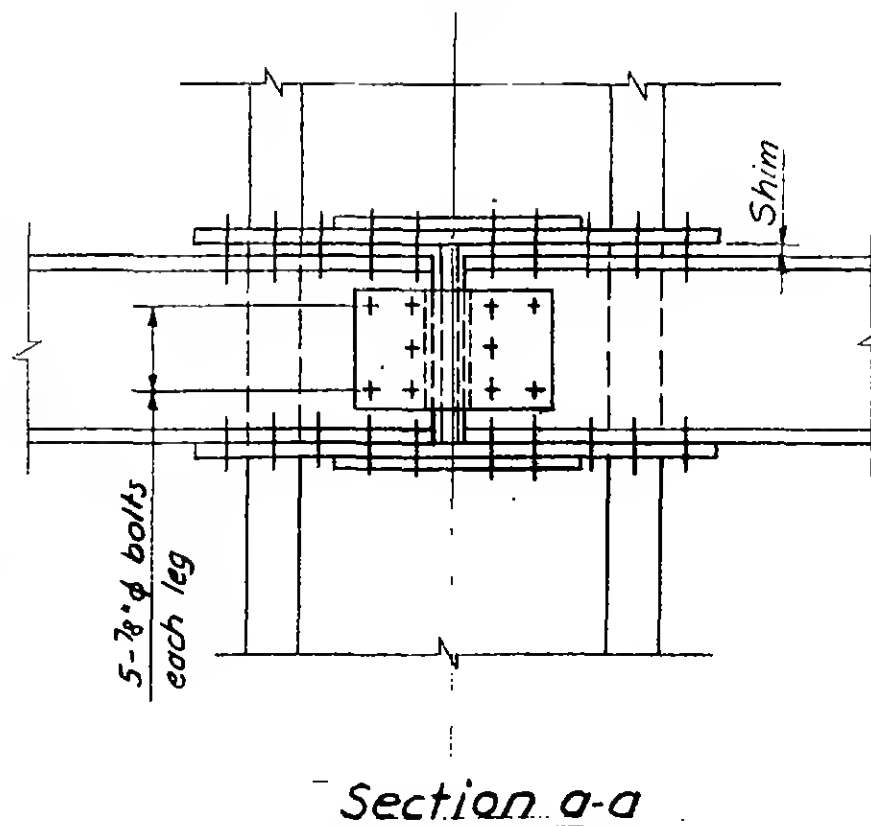
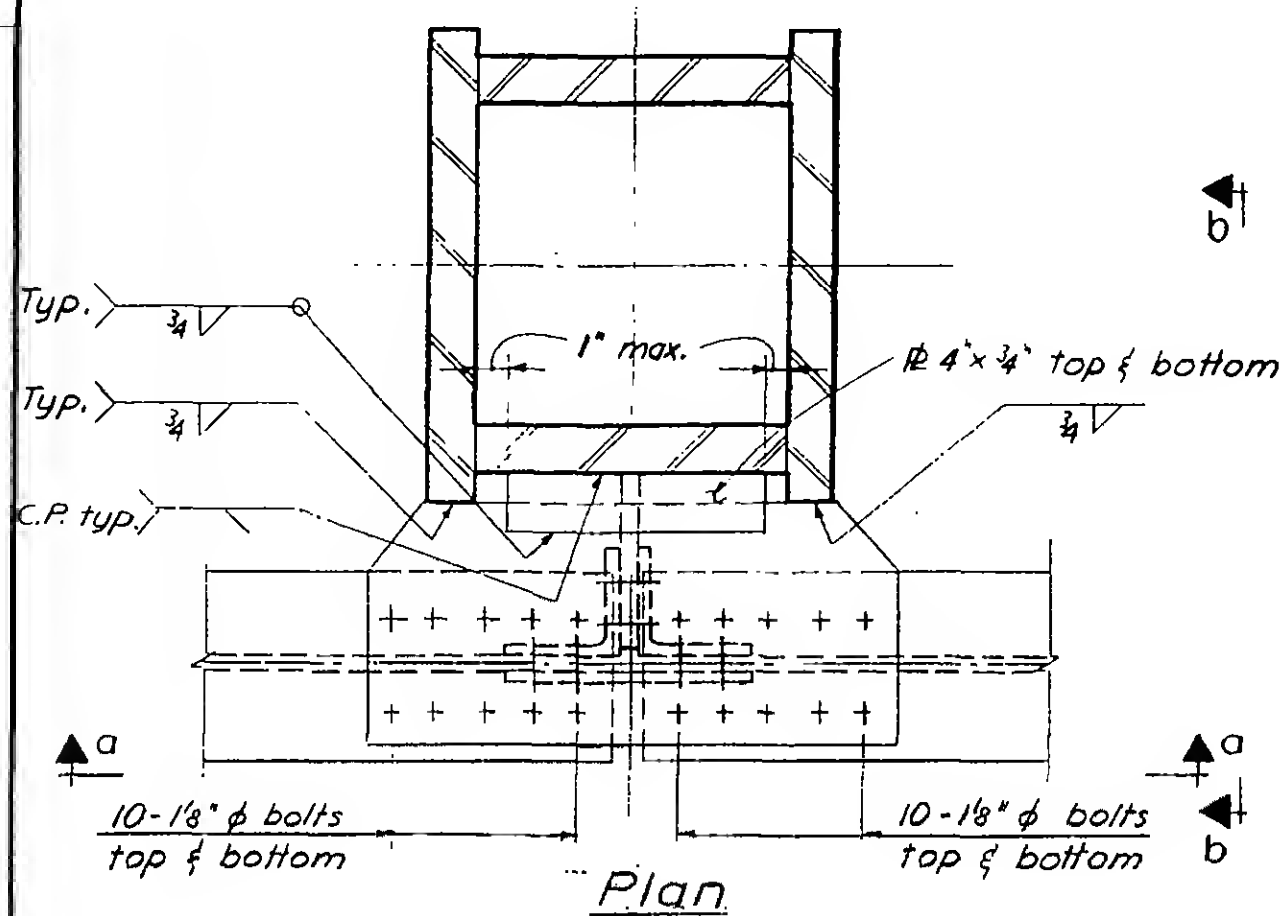
Section a-a

Detail 364 L



PROJECT *THE WORLD TRADE CENTER*TITLE *CONNECTION DETAIL 364 M*DATE *2-9-68*

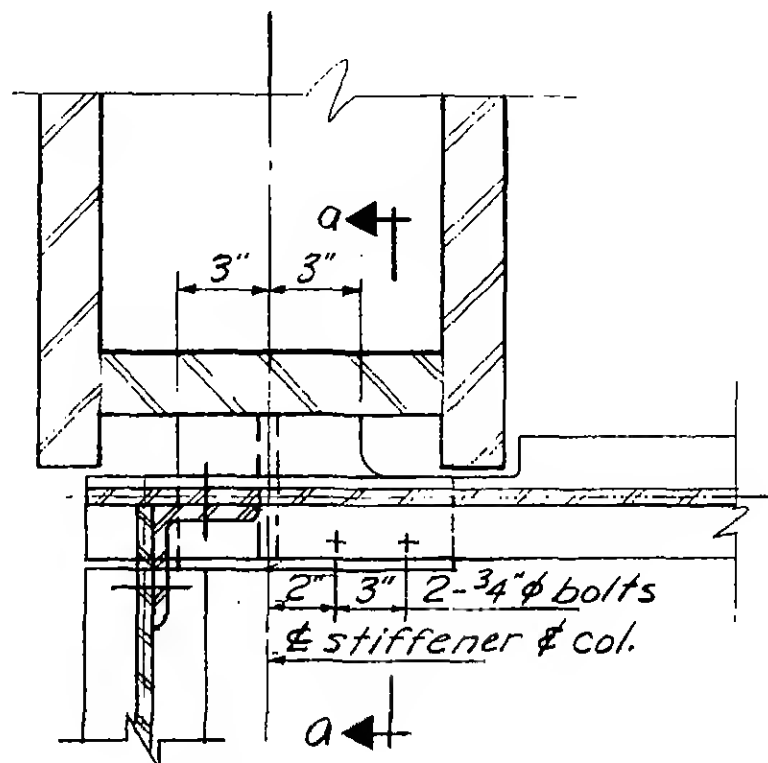
REVISIONS



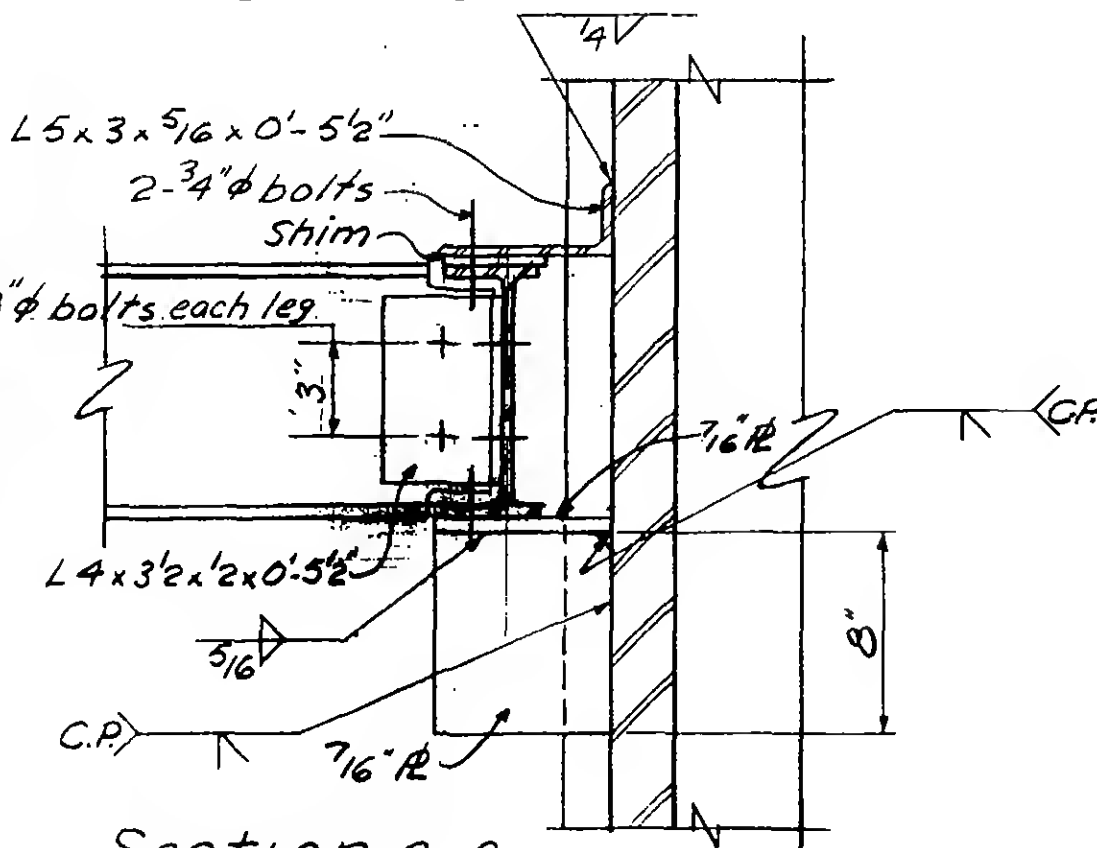
6-ABI-17L7

REVISIONS

7-28-67



PLAN

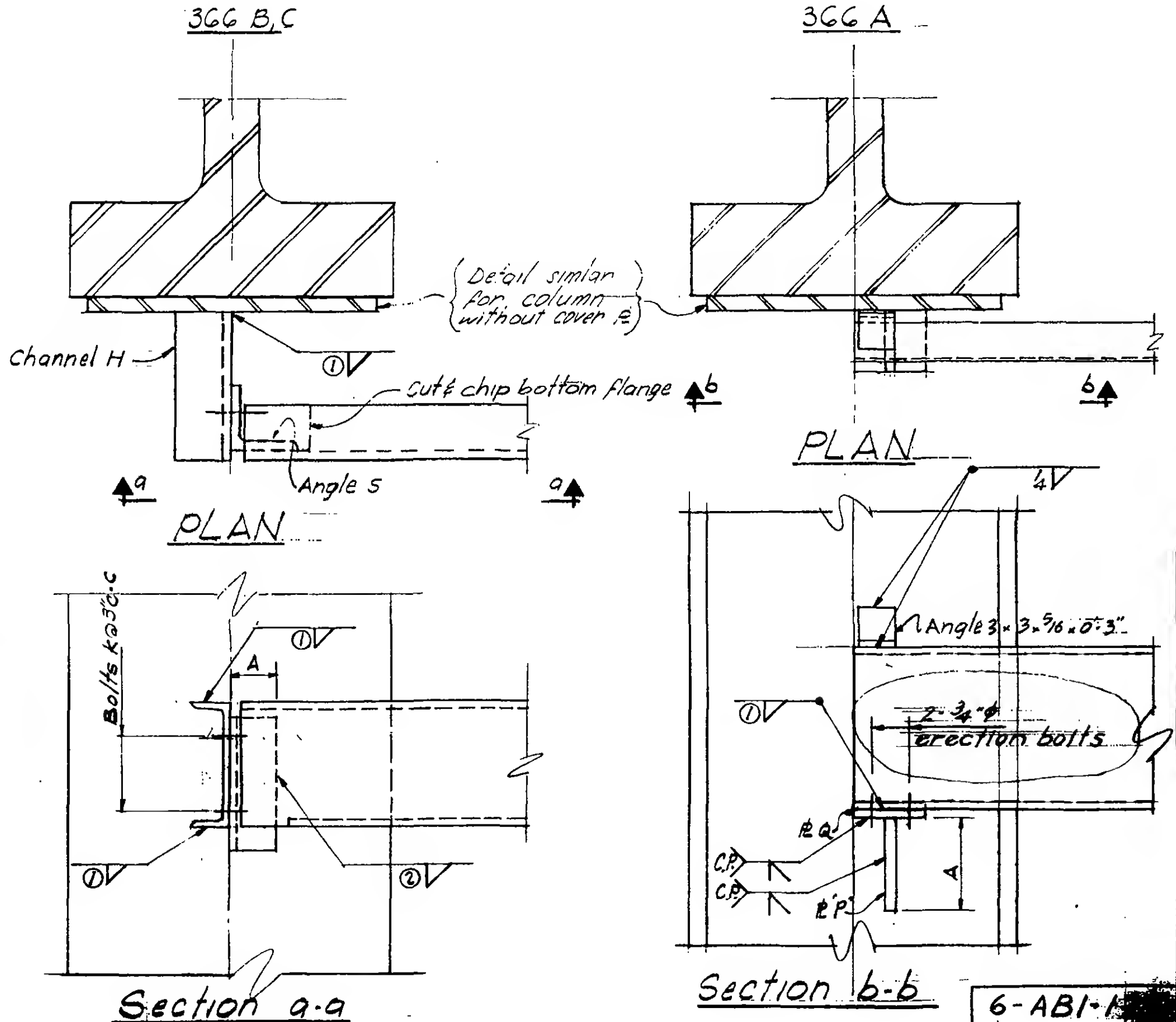


Section a-a



REVISIONS

8-5-67
9-15-67
11-10-67
12-7-67



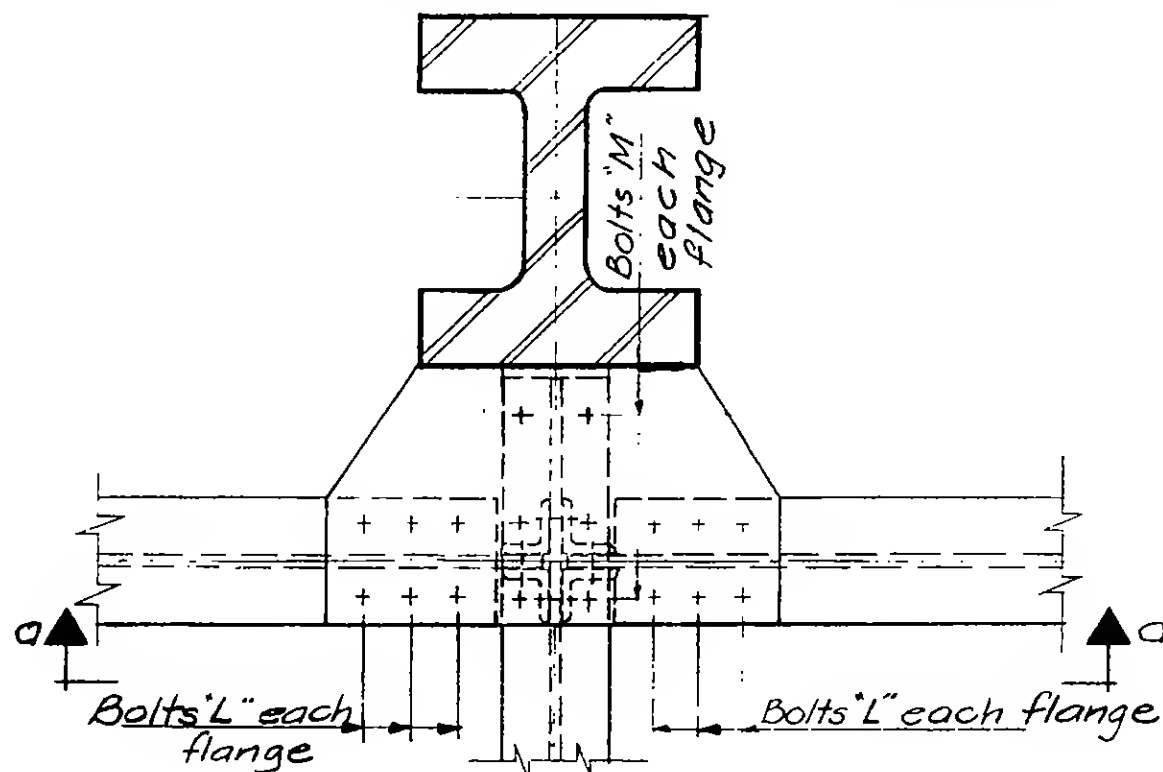
PROJECT **THE WORLD TRADE CENTER**

TITLE **CONNECTION DETAIL 368 A,B,C,D,E,F**

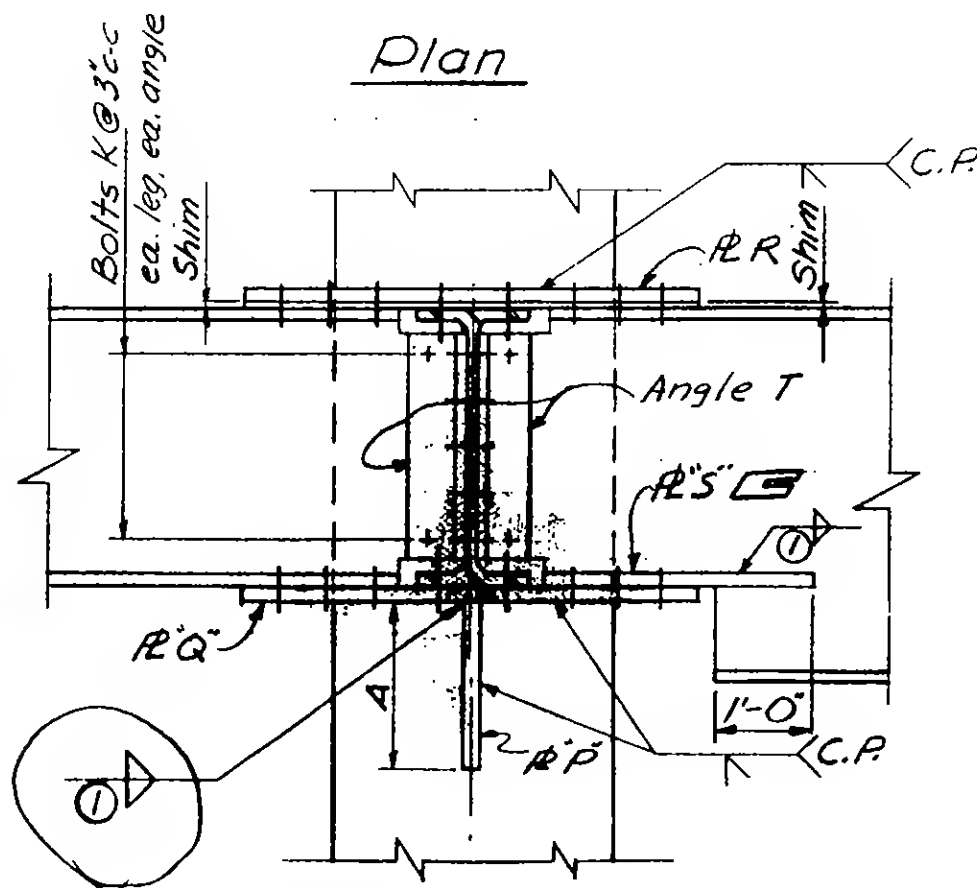
DATE **5-22-67**

REVISIONS

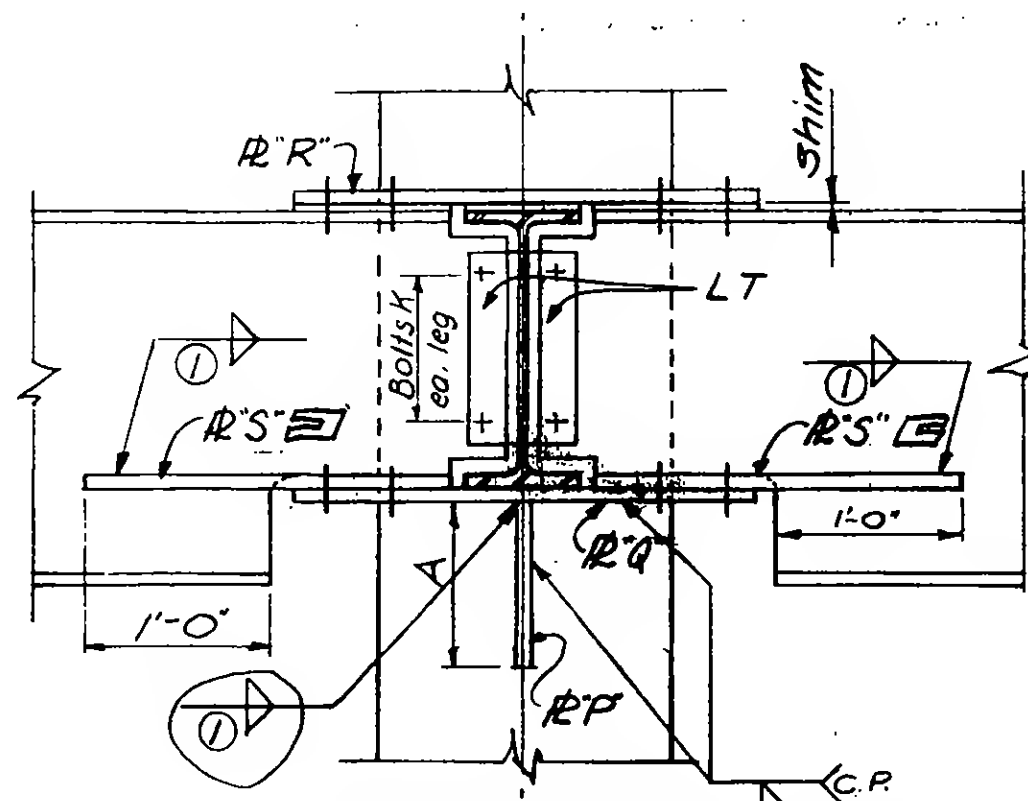
7-28-67
9-15-67
10-2-67
10-31-67
11-10-67



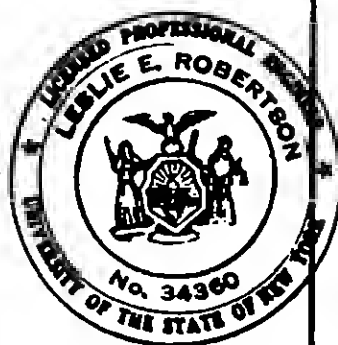
Plan



Section a-a
Det. 368A



Section a-a
Det. 368 B,C,D,E,F **6-175**



PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 368 A, B, C, D, E, F

DATE 7-28-67

REVISIONS

9-15-67

10-2-67

10-31-67

11-10-67

PLATES

	368 A	368 B, C	368 D	368 E, F
P	8 1/2" x 58"	8" x 34"	8" x 1"	8" x 1 1/2"
Q	58"	34"	34"	1 1/2"
R	5 1/16"	58"	58"	1/2"
S	7" x 58"	7" x 58"	7" x 58"	9" x 34"

ANGLES

T	4 x 3 1/2 x 5/16	4 x 3 1/2 x 5/16	4 x 3 1/2 x 7/16	4 x 3 1/2 x 5/16
---	------------------	------------------	------------------	------------------

DIMENSIONS

A	1'-2"	1'-2"	1'-2"	1'-8"
---	-------	-------	-------	-------

BOLTS

K	3-3/4" ϕ	3-3/4" ϕ	3-1" ϕ	4-3/4" ϕ
L	6-7/8" ϕ	6-3/4" ϕ	6-3/4" ϕ	6-3/4" ϕ
M	6-7/8" ϕ	8-3/4" ϕ	8-3/4" ϕ	6-7/8" ϕ

WELDS

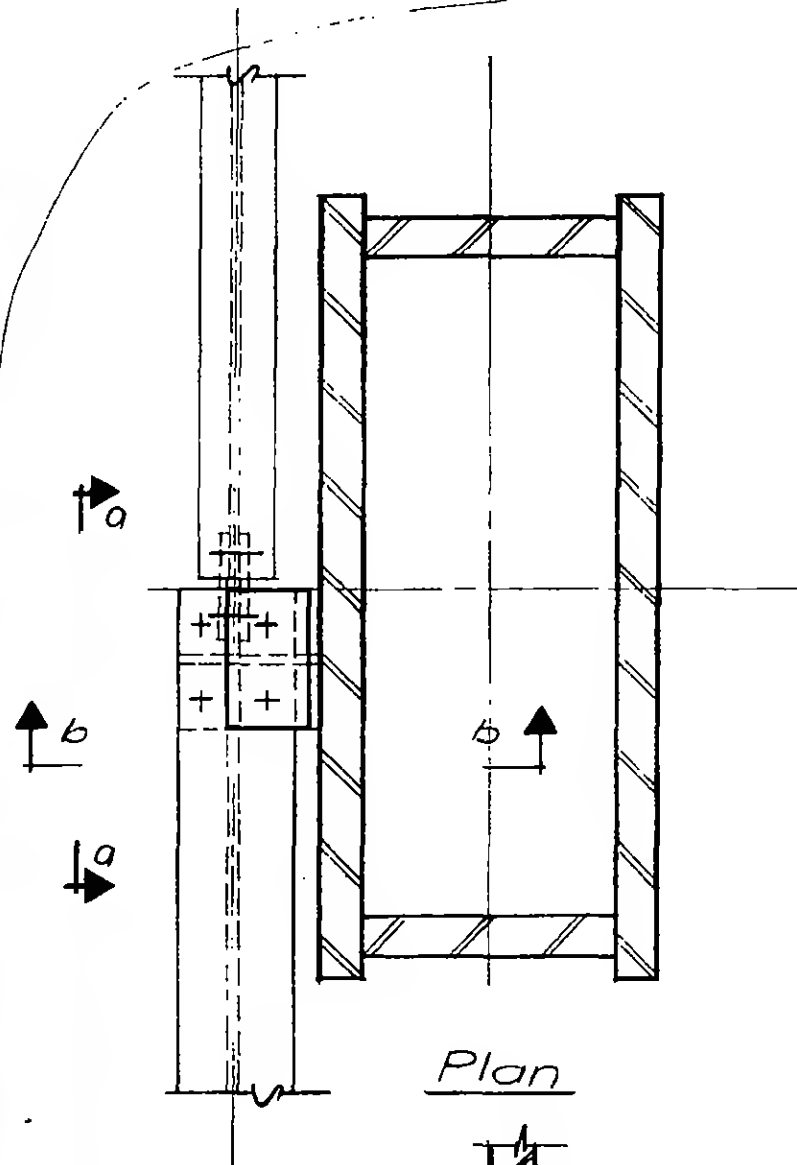
①	5/16	5/16	5/16	5/16
---	------	------	------	------



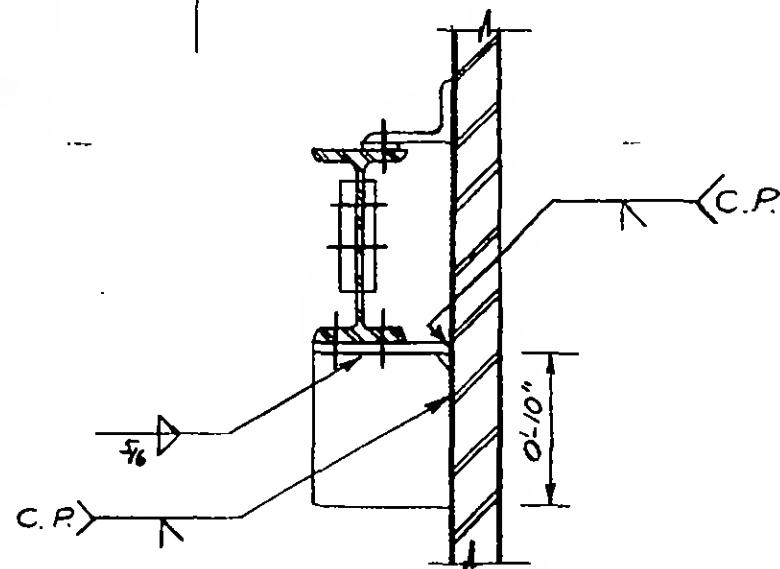
6-AB1-175.1

REVISIONS

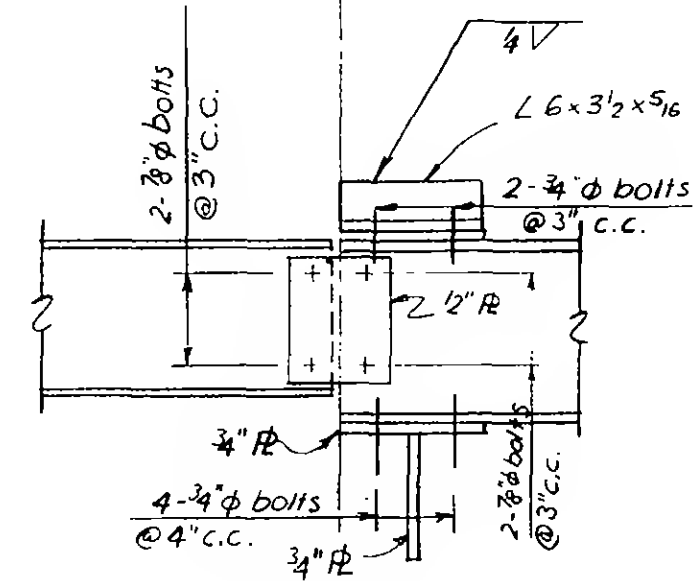
10-2-67



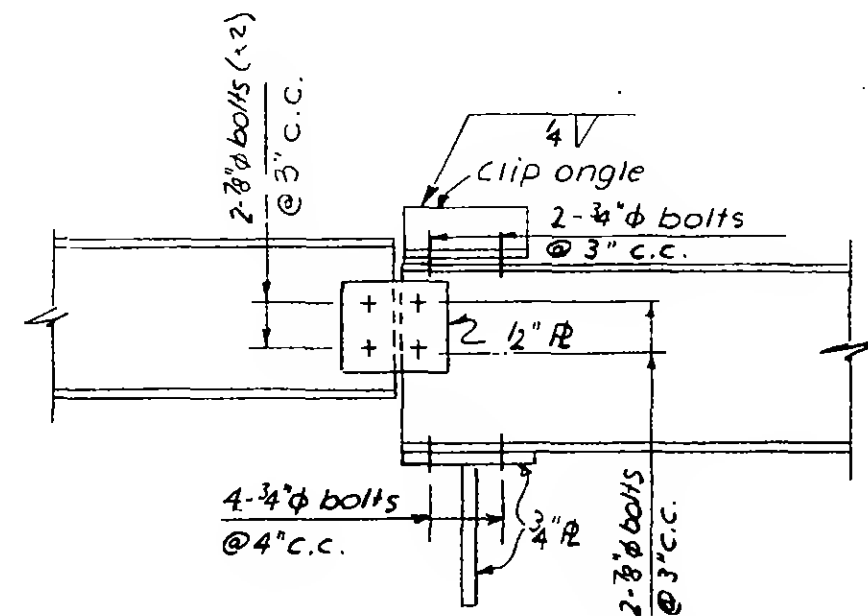
Plan



Section b-b



Section a-a (For 369 B)



Section a-a (For 369 A)



PROJECT THE WORLD TRADE CENTER

TITLE

CONNECTION DETAIL 370 A THRU I, K, L, M

DATE 5-22-67

REVISIONS

6-30-67

7-28-67

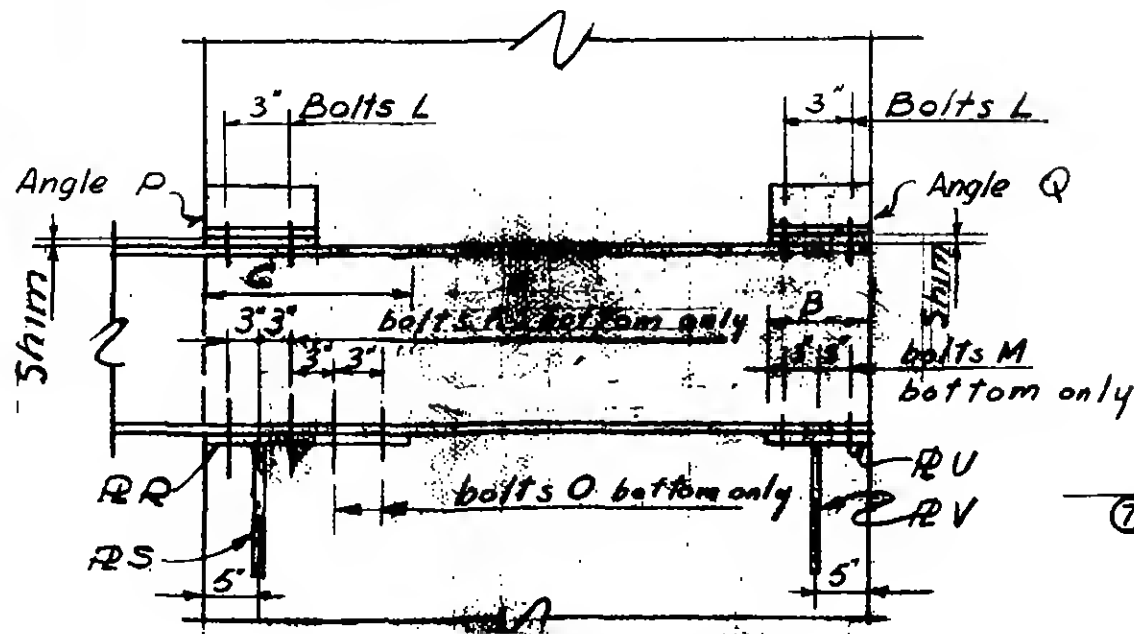
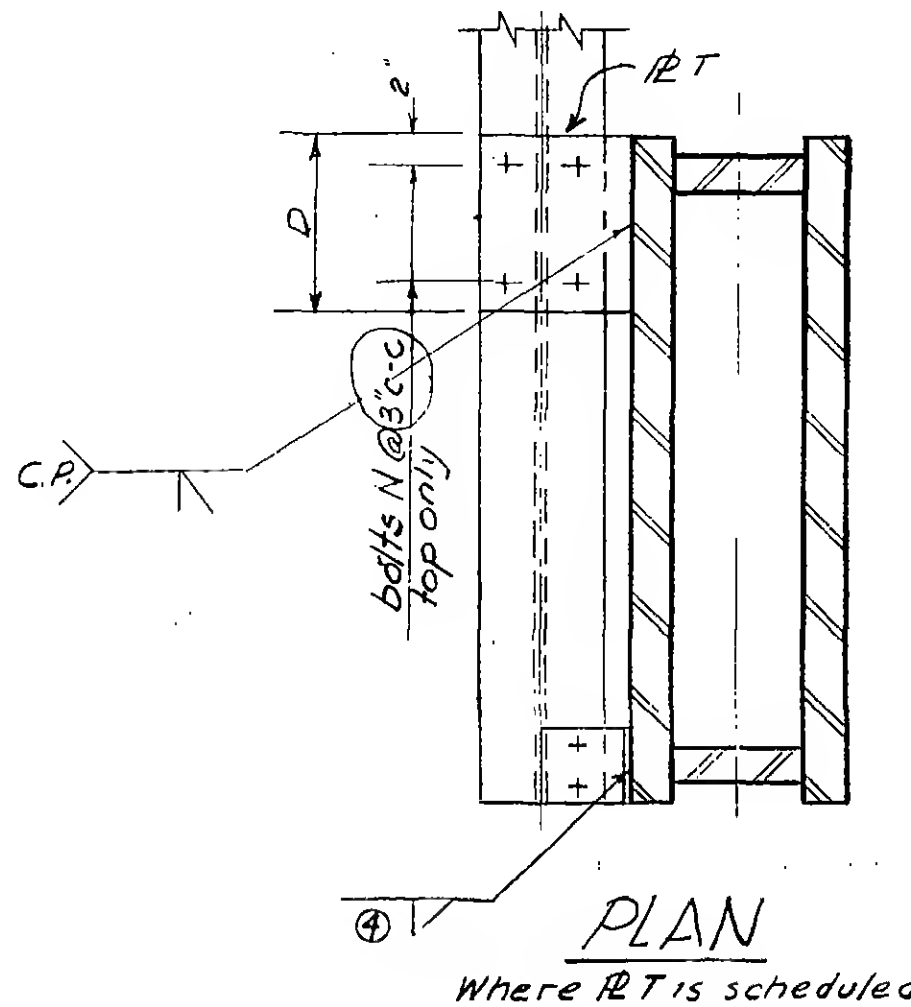
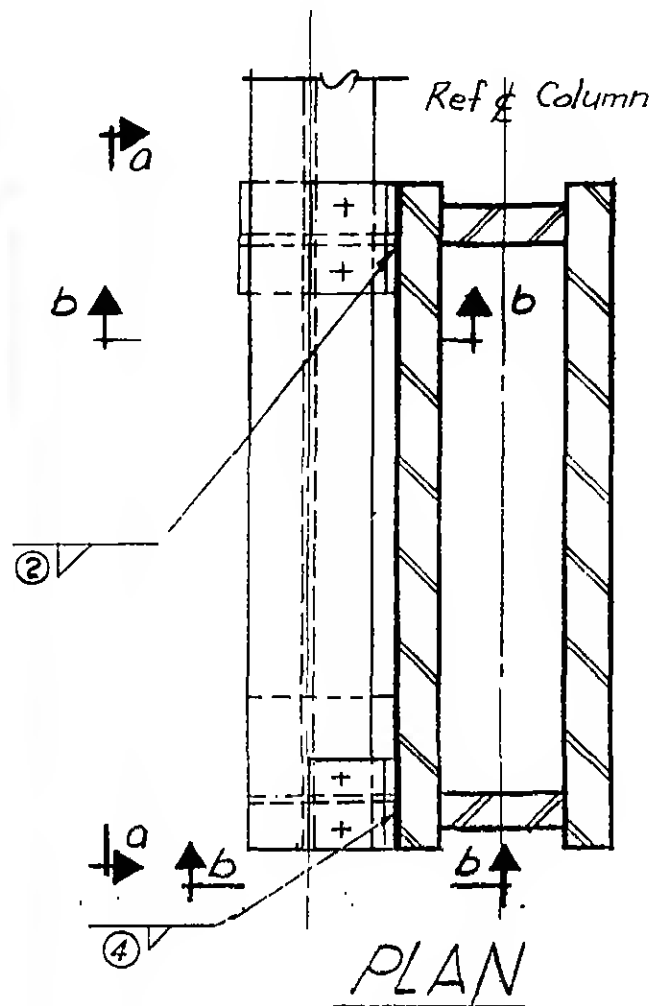
8-5-67

9-15-67

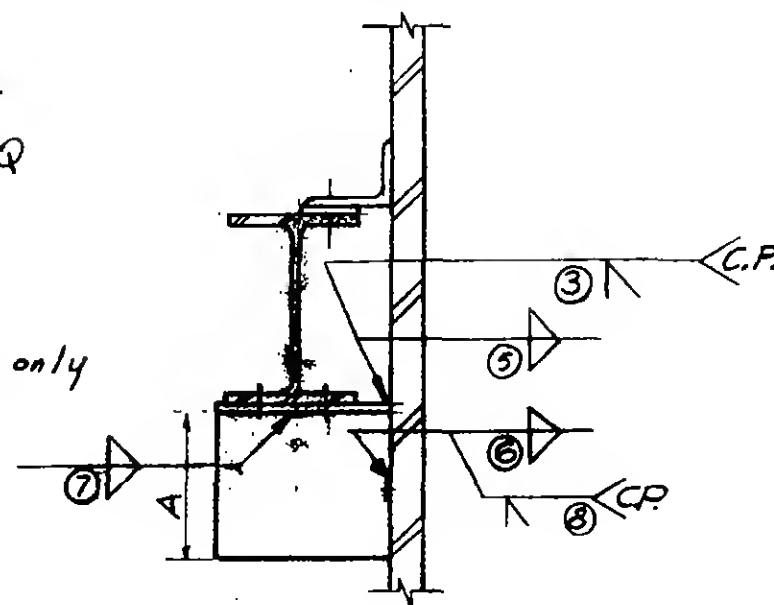
10-2-67

11-10-67

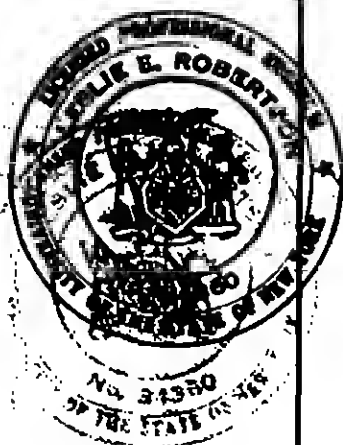
2-9-68



Section a-a



6-ABI-177



PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 370 A-F

DATE 6-30-67

REVISIONS

7-28-67

8-5-67

	370A	370B	370C	370D	370E	370F
PLATES						
R	1/2"	5/8"	5/8"	5/8"	3/4"	3/4"
S	3/8"	1/2"	5/8"	5/8"	3/4"	3/4"
T	—	—	—	—	—	—
U	—	—	—	—	3/4"	3/4"
V	—	—	—	—	3/4"	3/4"
ANGLES						
P	6x4x5/16x0'-6"	6x4x5/16x0'-6"	6x4x5/16x0'-6"	6x4x5/16x0'-6"	6x4x5/16x0'-6"	6x4x5/16x0'-6"
Q	6x4x5/16x0'-6"	6x4x3/8x0'-4"	6x4x5/16x0'-6"	6x4x5/16x0'-6"	6x4x5/16x0'-6"	6x4x5/16x0'-6"
DIMENSIONS						
A	0'-10"	1'-0"	1'-0"	1'-0"	1'-2"	1'-4"
B	—	—	—	—	0'-9"	0'-9"
C	1'-1"	1'-1"	1'-1"	0'-9"	0'-9"	0'-9"
BOLTS						
K	4-7/8"φ	4-7/8"φ	4-7/8"φ	4-3/4"φ	4-3/4"φ	4-3/4"φ
L	2-3/4"φ	2-3/4"φ	2-3/4"φ	2-3/4"φ	2-3/4"φ	4-3/4"φ
M	—	—	—	—	4-3/4"φ	4-3/4"φ
O	—	—	—	—	—	—
WELDS						
①	—	—	—	—	—	—
②	1/4	1/4	1/4	1/4	1/4	1/4
③	—	—	—	—	—	—
④	1/4	5/16	1/4	1/4	1/4	1/4
⑤	1/2	5/8	5/8	1/2	1/2	1/2
⑥	3/8	1/2	1/2	1/2	1/2	1/2
⑦	1/2	5/8	5/8	5/16	5/16	5/16



6-ABI-177.1

PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 370 G, H, I, J, K, L

DATE 7-28-67

REVISIONS

8-5-67

9-15-67

10-2-67

11-10-67

2-9-68

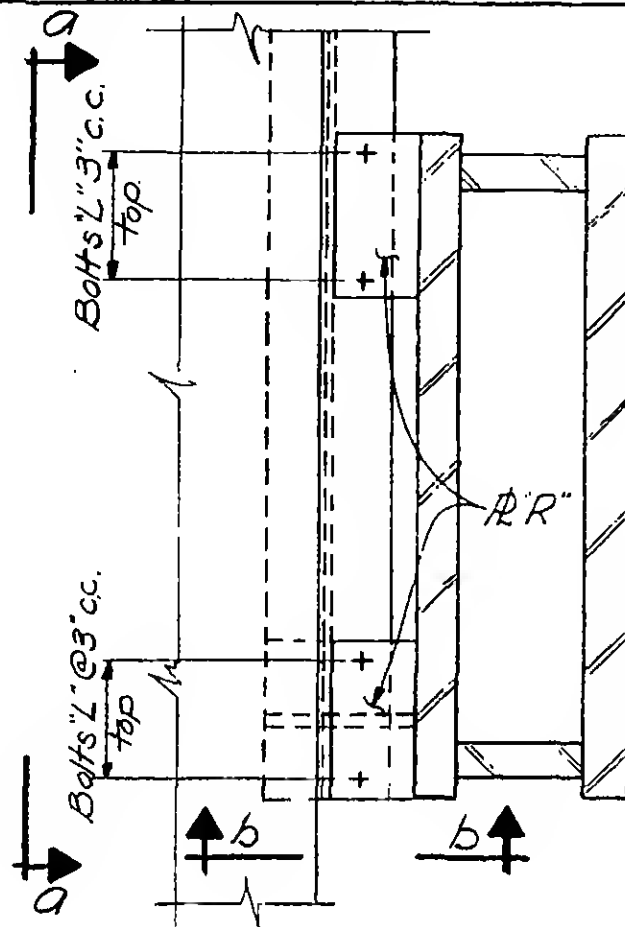
	370 G	370 H	370 I	370 J	370 K	370 L
PLATES						
R	1"	1"	1/2"	3/8"	—	1
S	3/4"	3/4"	1/2"	—	—	3/4
T	1"	1"	1/2"	—	—	1
U	1"	3/4"	1/2"	5/8"	1/2"	1
V	3/4"	3/4"	1/2"	5/8"	1/2"	3/4
ANGLES						
P	—	—	—	—	—	—
Q	6x4x5/16x0'-6"	6x4x5/16x0'-6"	6x3 1/2x5/16	—	6x3 1/2x5/16x0'-6"	6x4x5/16x0'-6"
DIMENSIONS						
A	1'-2"	1'-2"	0'-10"	1'-0"	1'-0"	1'-2"
B	0'-9"	0'-9"	0'-9"	—	0'-9"	0'-9"
C	1'-8"	1'-11"	0'-9"	—	—	1'-11"
D	1'-6"	1'-9"	0'-9"	—	—	—
BOLTS						
K	4-1"φ	4-1"φ	4-3/4"φ	—	—	4-1"φ
L	2-3/4"φ	2-3/4"φ	2-3/4"φ	3-7/8"φ	2-3/4"φ	2-3/4"φ
M	4-3/4"φ	4-3/4"φ	4-3/4"φ	4-3/4"φ	4-3/4"φ	4-3/4"φ
N	10-1"φ	12-1"φ	6-3/4"φ	—	—	10-1"φ
O	6-1"φ	8-1"φ	—	—	—	6-1"φ
WELDS						
①	—	—	—	—	—	—
②	—	—	—	—	—	—
③	C.P.	C.P.	C.P.	C.P.	C.P.	C.P.
④	1/4	1/4	1/4	—	5/16	1/4
⑤	—	—	—	—	—	—
⑥	1/2	1/2	—	—	—	—
⑦	3/8	3/8	5/16	5/16	5/16	3/8
⑧	—	—	C.P.	C.P.	C.P.	C.P.



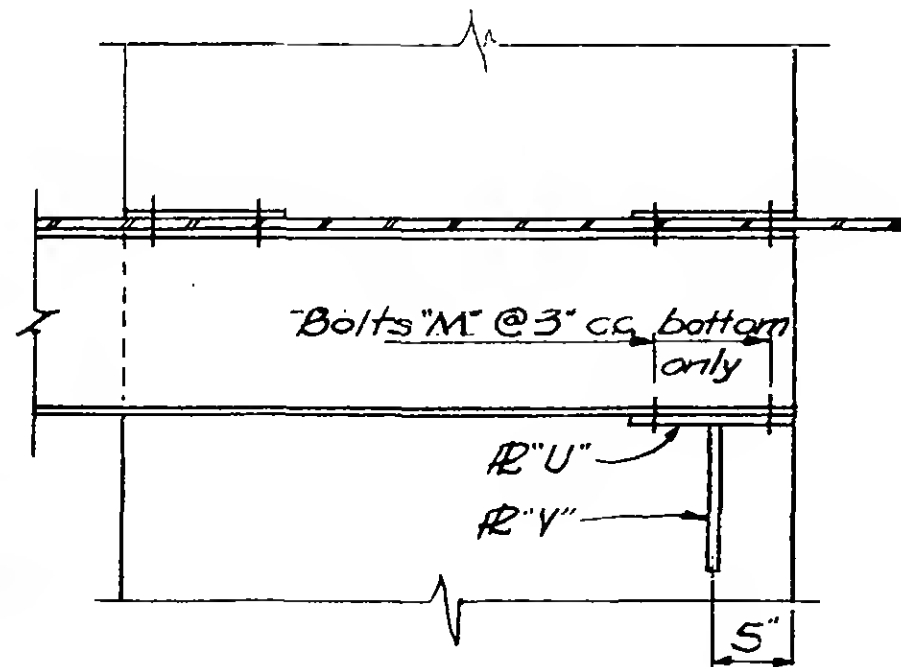
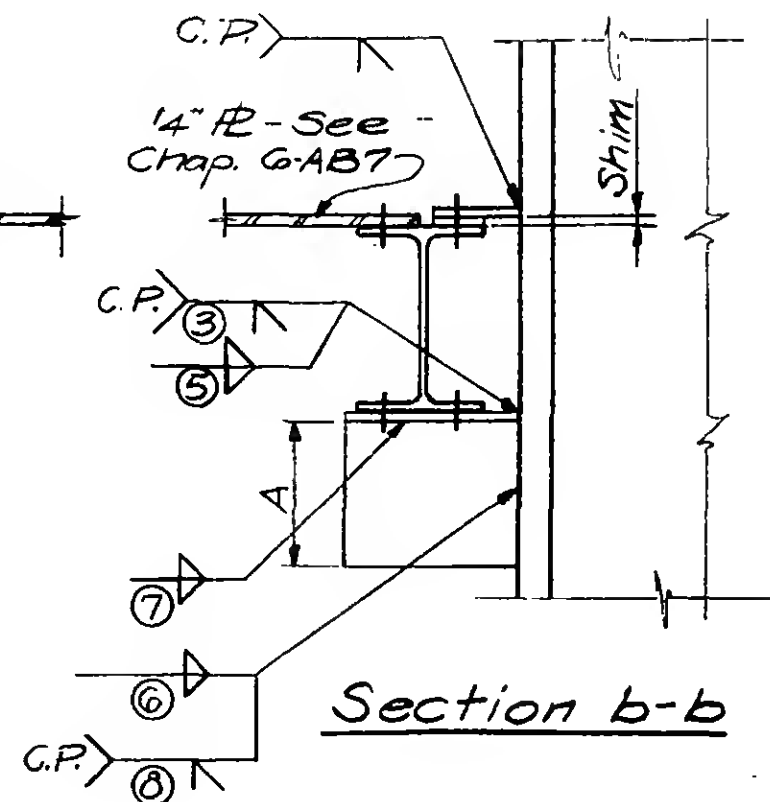
G-ABI-177.2

PROJECT: WORLD TRADE CENTERTITLE: CONNECTION DETAIL 370JDATE: 9-15-67

REVISIONS

10-5-67

Note: 4" R included in detail
only if specified on
framing plan.

Section a-aSection b-b

6-AB1-177.3

PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 370 M

DATE 2-9-68

REVISIONS

	370 M					
PLATES						
R	—					
S	—					
T	—					
U	$\frac{3}{4}$					
V	$\frac{3}{4}$					
ANGLES						
P	—					
Q	8 x 4 x $\frac{7}{16}$ x 0'-6"					
DIMENSIONS						
A	1'-2"					
B	0'-9"					
C	—					
D	—					
BOLTS						
K	—					
L	2- $\frac{3}{4}$ " ϕ					
M	4- $\frac{3}{4}$ " ϕ					
N	—					
O	—					
WELDS						
1	—					
2	—					
3	C.P.					
4	$\frac{3}{8}$					
5	—					
6	—					
7	$\frac{3}{8}$					
8	C.P.					



PROJECT *THE WORLD TRADE CENTER*

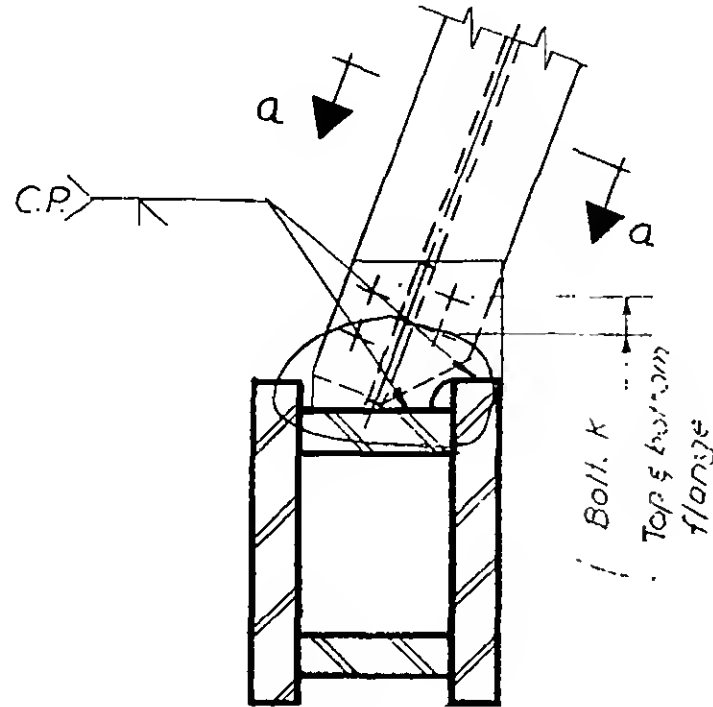
TITLE *CONNECTION DETAIL 371 A*

DATE *6-5-67*

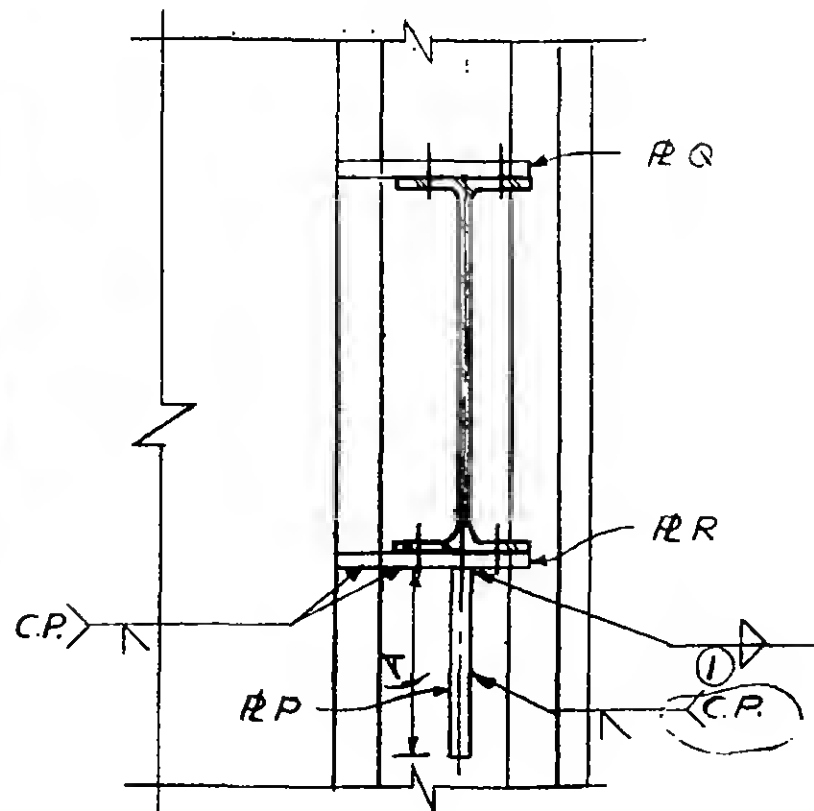
REVISIONS

9-15-67

11-10-67



Plan



Section a-a



6-AB1-178

Structural & Civil Engineers

TITLE SCHEDULE FOR DETAIL 371A

DATE 9-15-67

11-10-67

 $\frac{1}{2}$ 

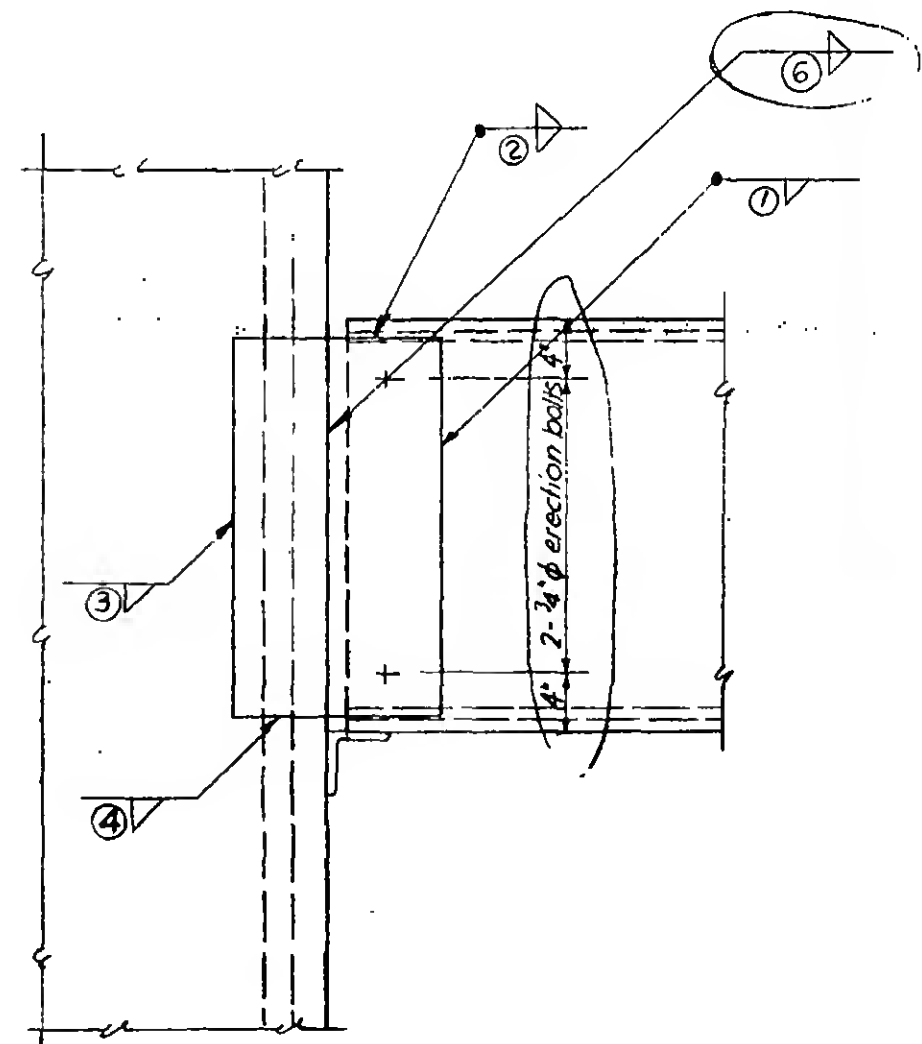
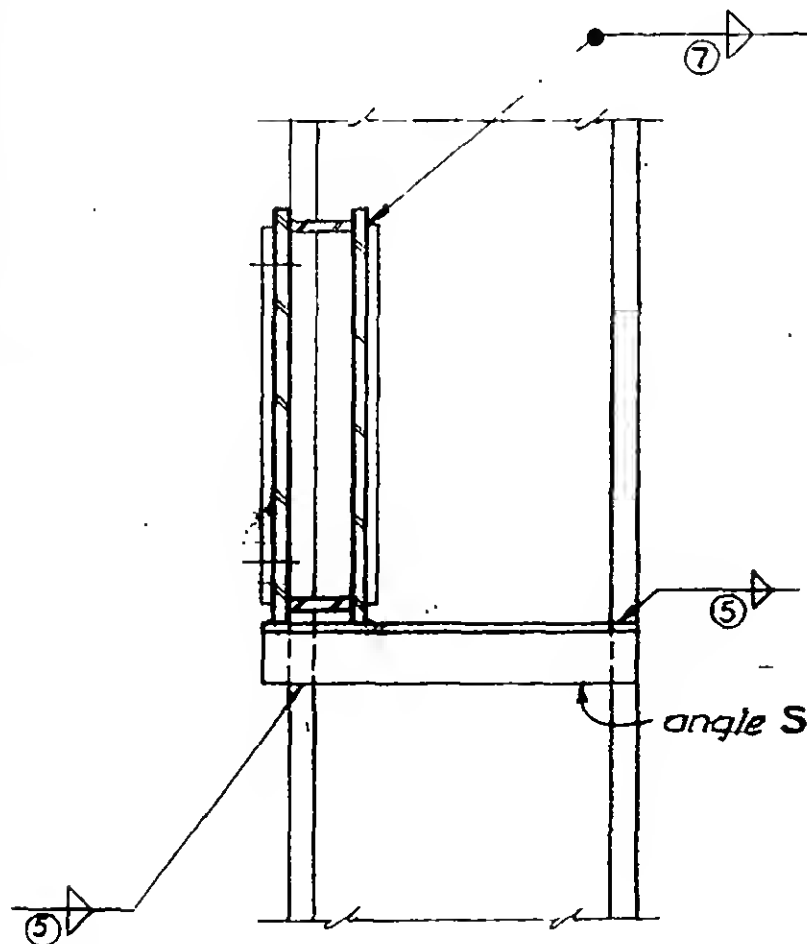
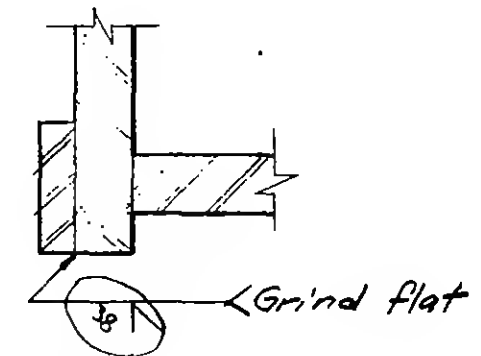
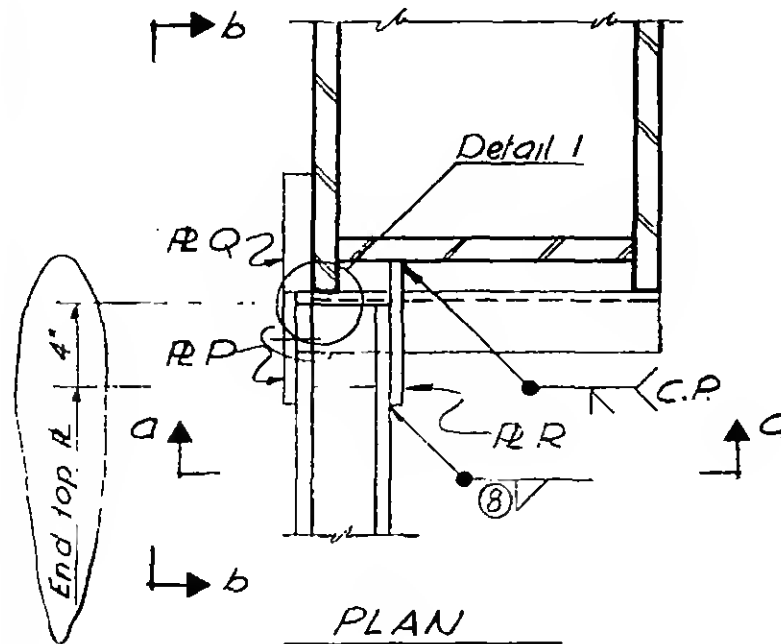
6-ABI-178.1

REVISIONS

7-28-67

9-15-67

11-14-67



Civil & Structural Engineers

TITLE SCHEDULE FOR DETAIL 372

DATE 7-28-67

11-14-67

Р

6" x 12"

6" x 12"

Q

6" x 1 1/4"

6" x 14"

5

7 1/2" x 1 1/2"

7½" x 12"

S

$$4 \times 4 \times 5 \times 16$$

4" x 4" x 5/16"

Q

5/6

5/6

②

5/6

5/6

③

३४.

38

④

38

38

⑤

510

516

6

51.

516

⑦

510

516

8

5/10

516

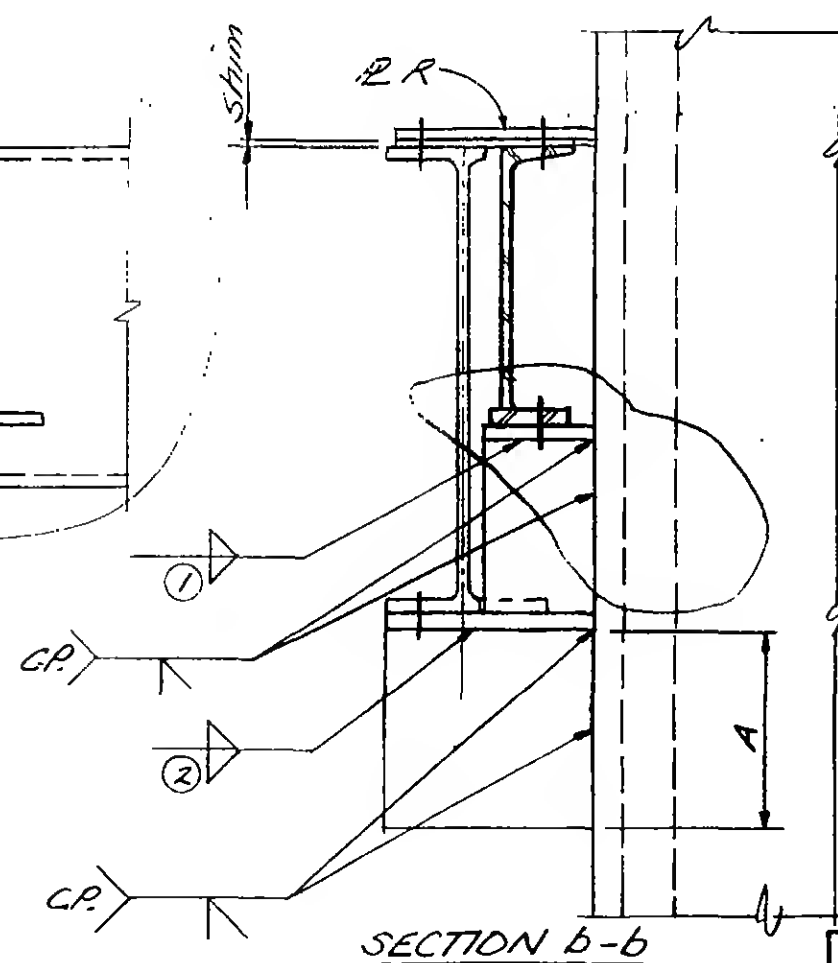
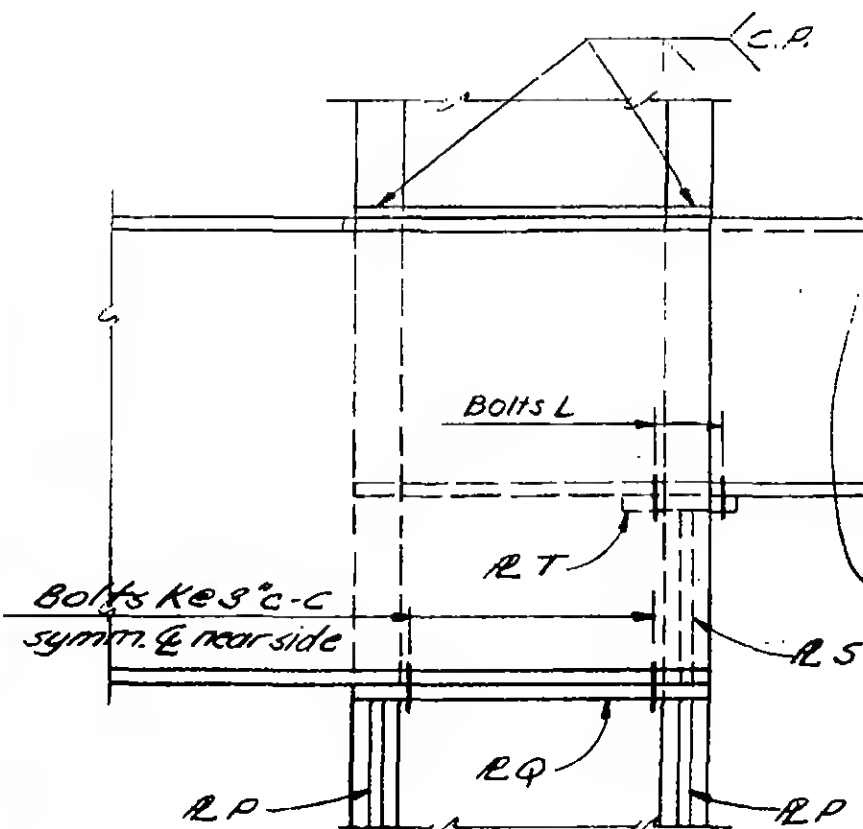
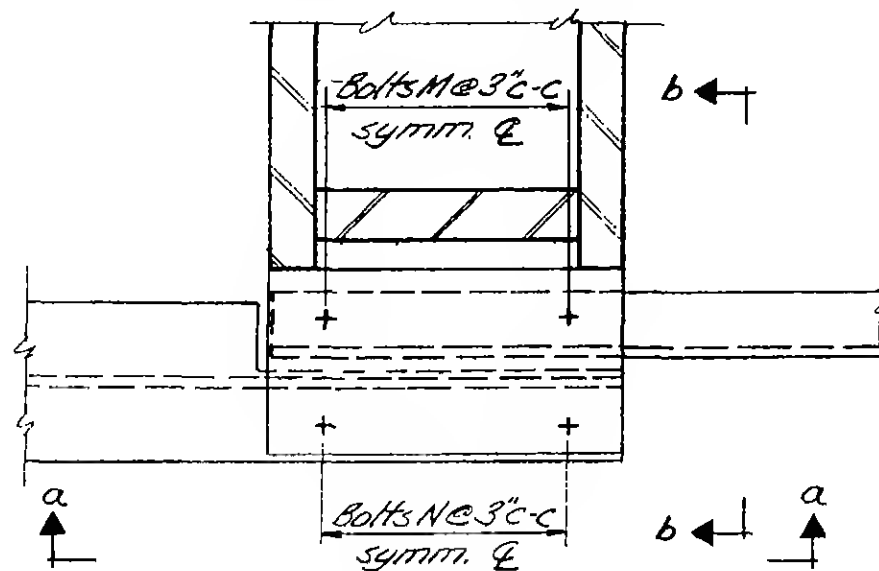


6-AB1-179.1^a

REVISIONS

9-15-67

11-10-67



Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

SCHEDULE FOR DETAIL 373A

DATE

9-15-67

REVISIONS

11-10-67

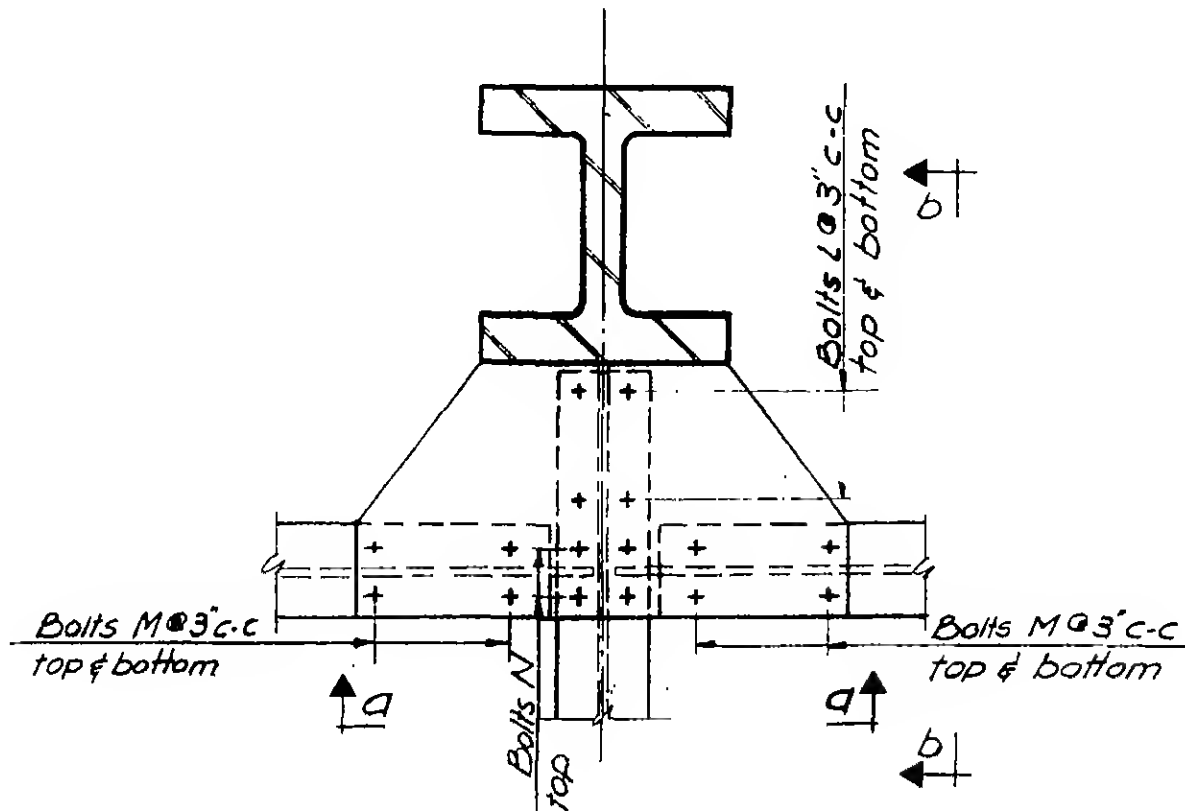
	373A				
PLATE					
P	78"				
Q	78"				
R	1/2"				
S	1"				
T	1"				
DIMENSION					
A	1-4"				
					
BOLTS					
K	5-3/4"φ				
L	2-3/4"φ				
M	5-3/4"φ				
N	5-3/4"φ				
WELD					
①	5/16				
②	5/16				

6-AB1-180.1

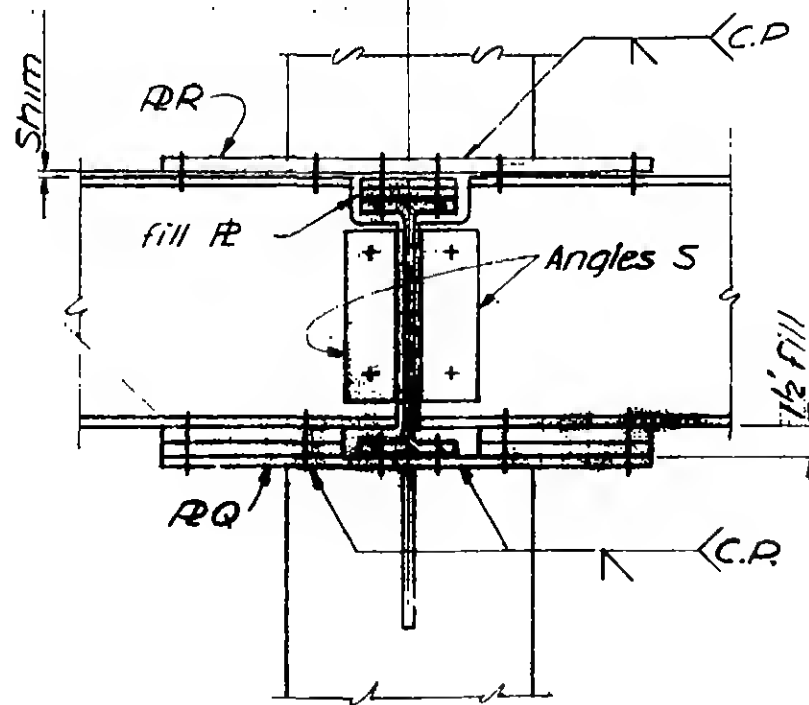


REVISIONS

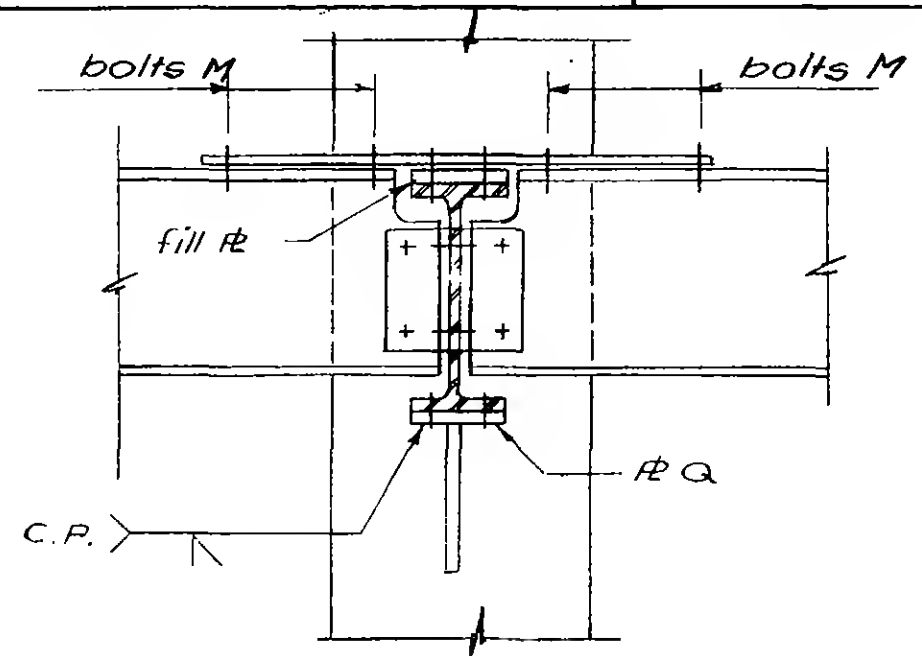
9-15-67
10-5-67



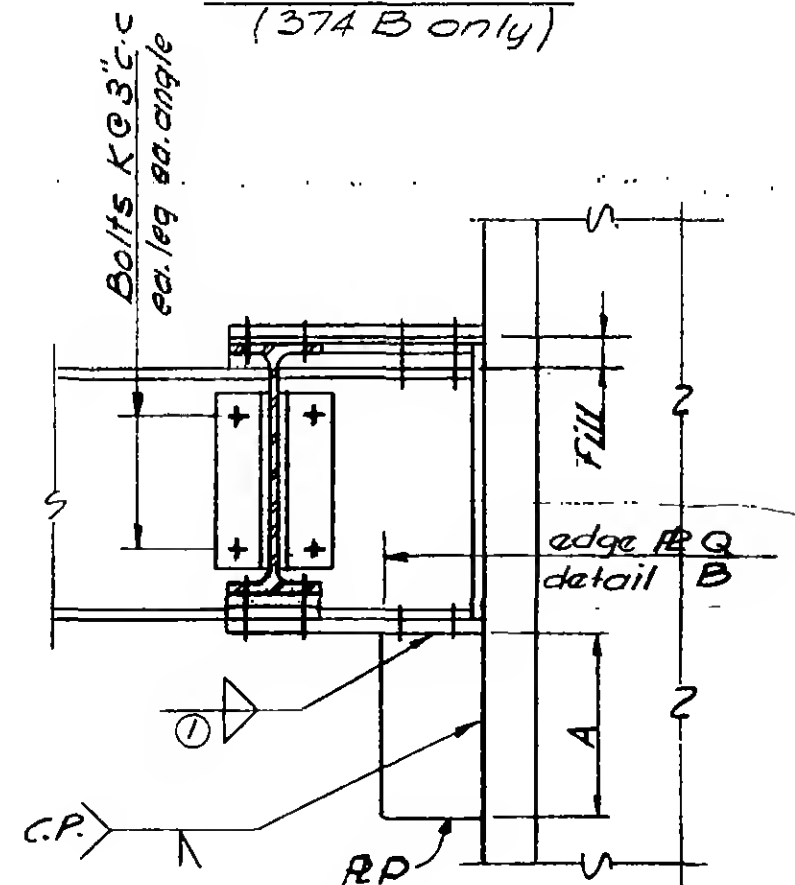
Plan



Section a-a (374 A only)



Section a-a
(374 B only)



Section b-b



Structural & Civil Engineers

DATE 9-15-67

10-5-67

[illegible]

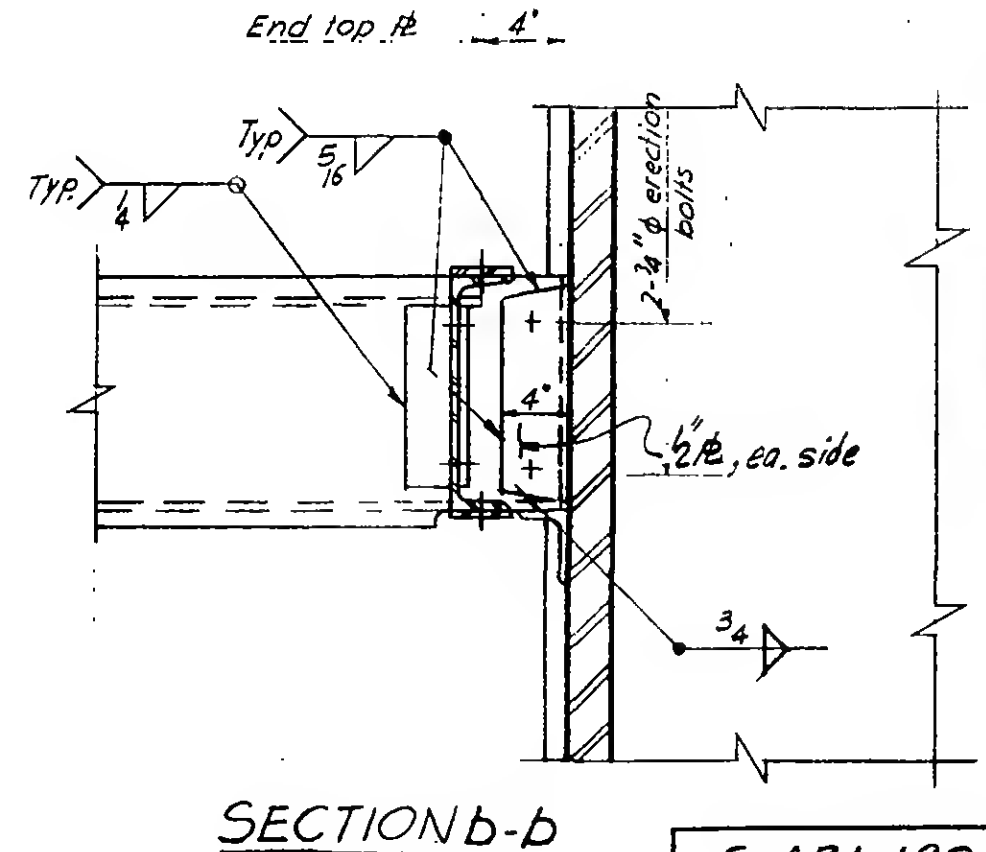
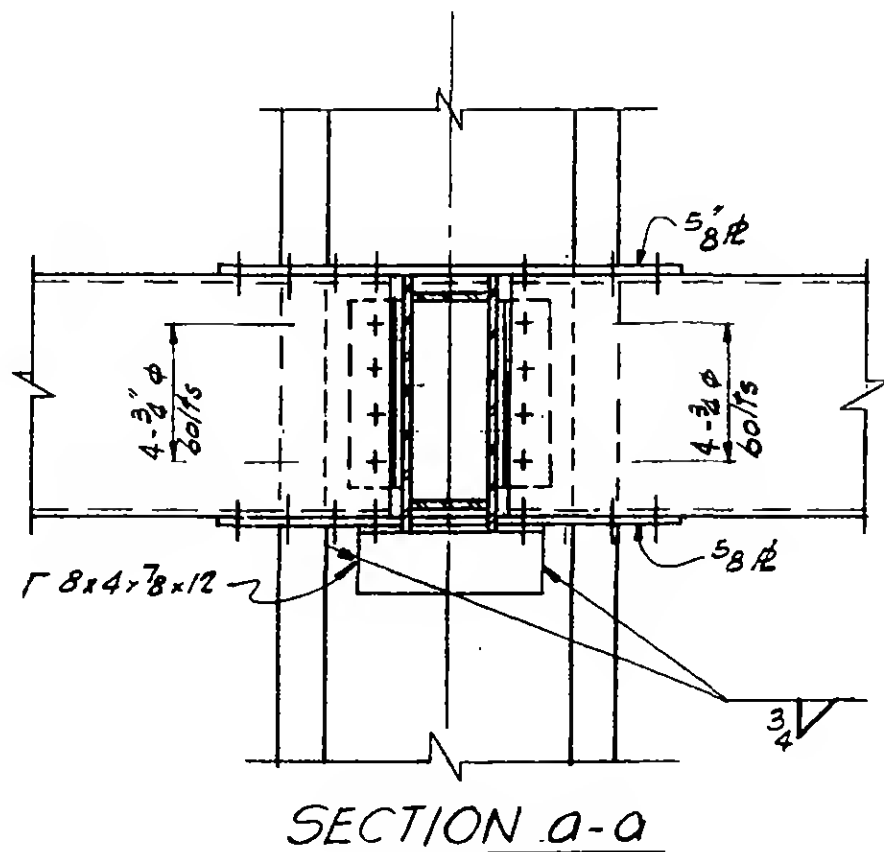
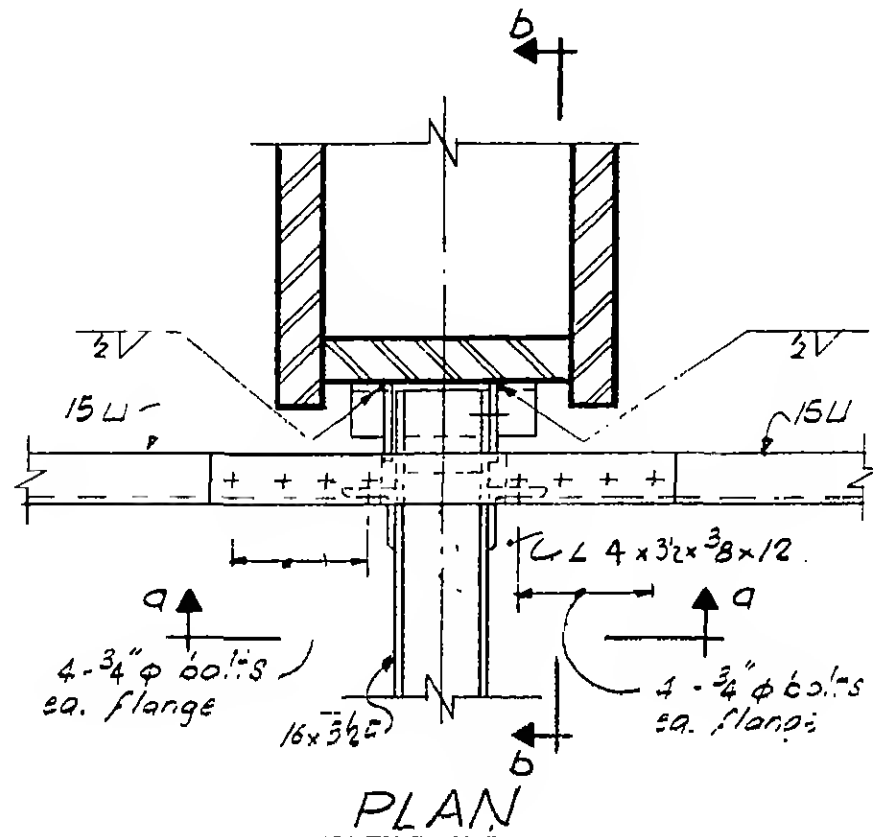
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 375A

DATE 6-19-67

REVISIONS

8-14-67
11-14-67
12-21-67



6-ABI-182

WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

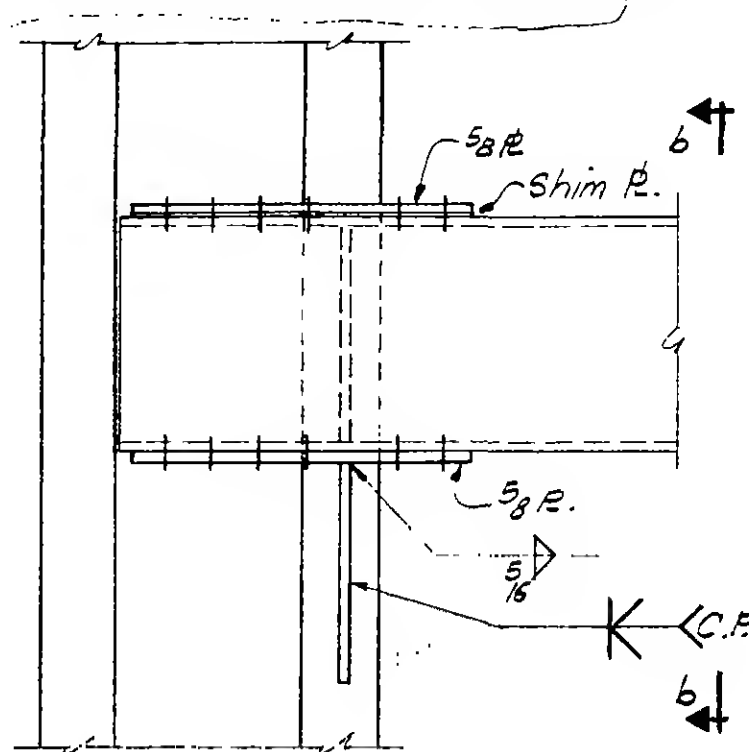
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 376A

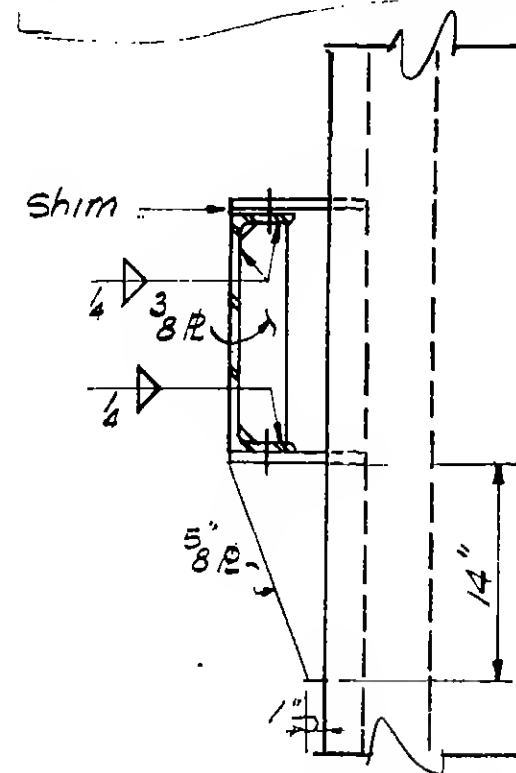
DATE 6-19-67

REVISIONS

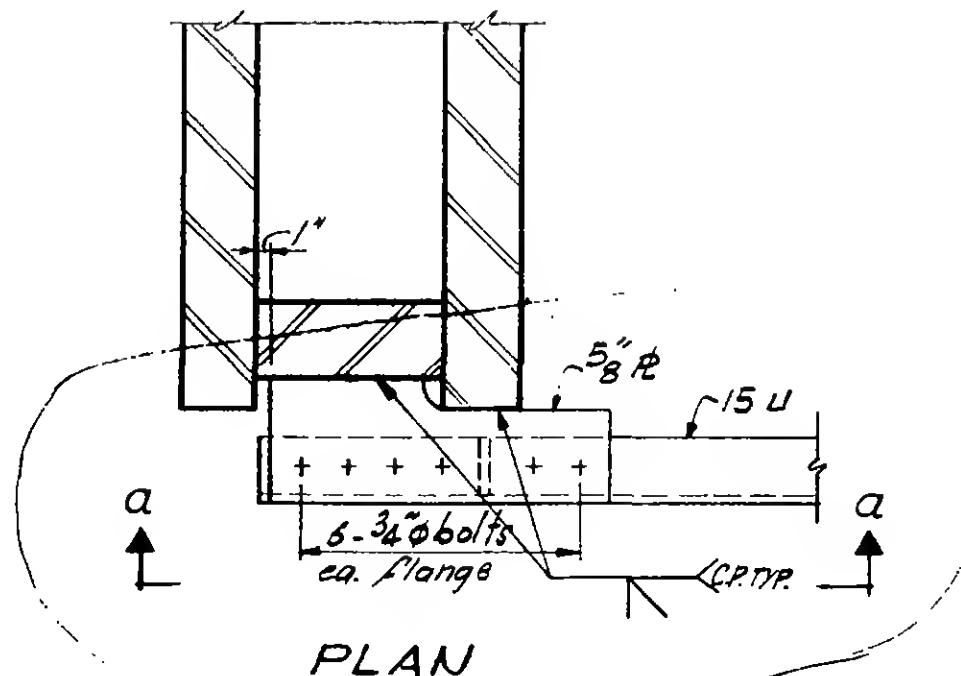
8-14-67



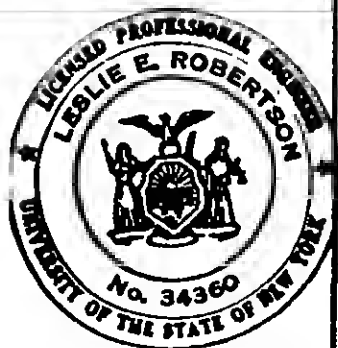
SECTION a-a



SECTION b-b



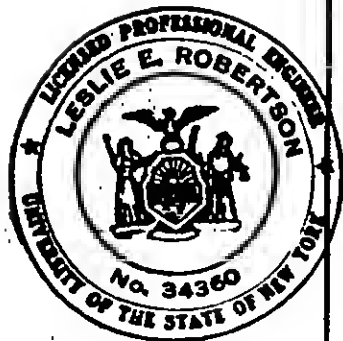
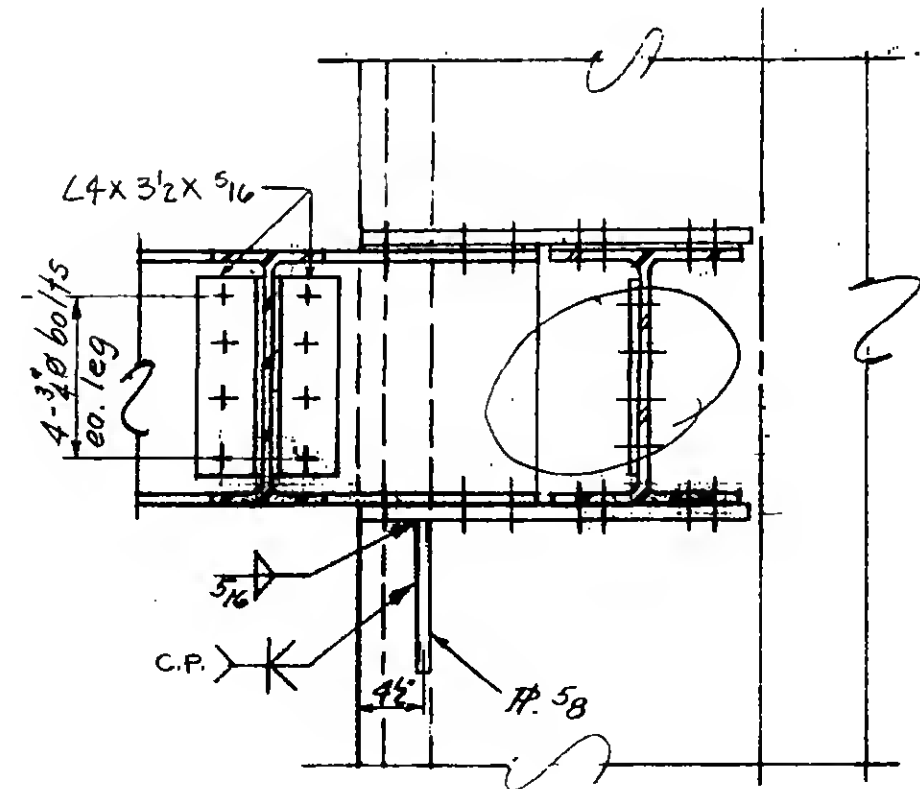
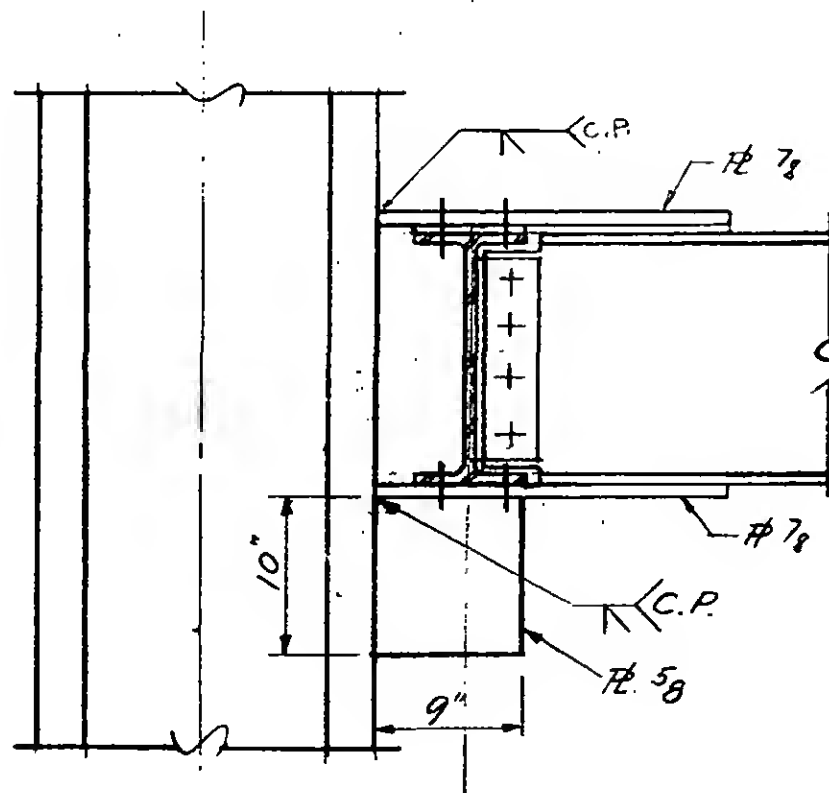
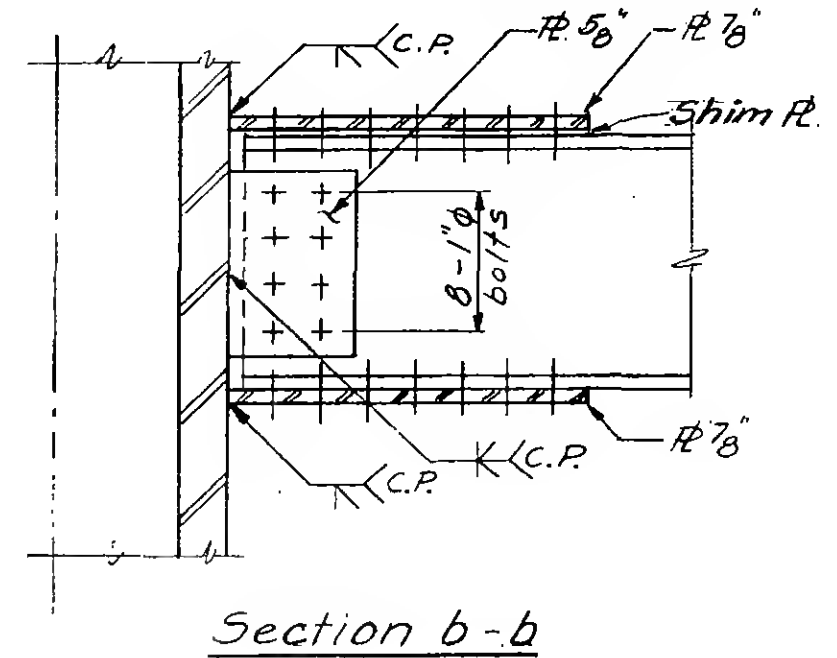
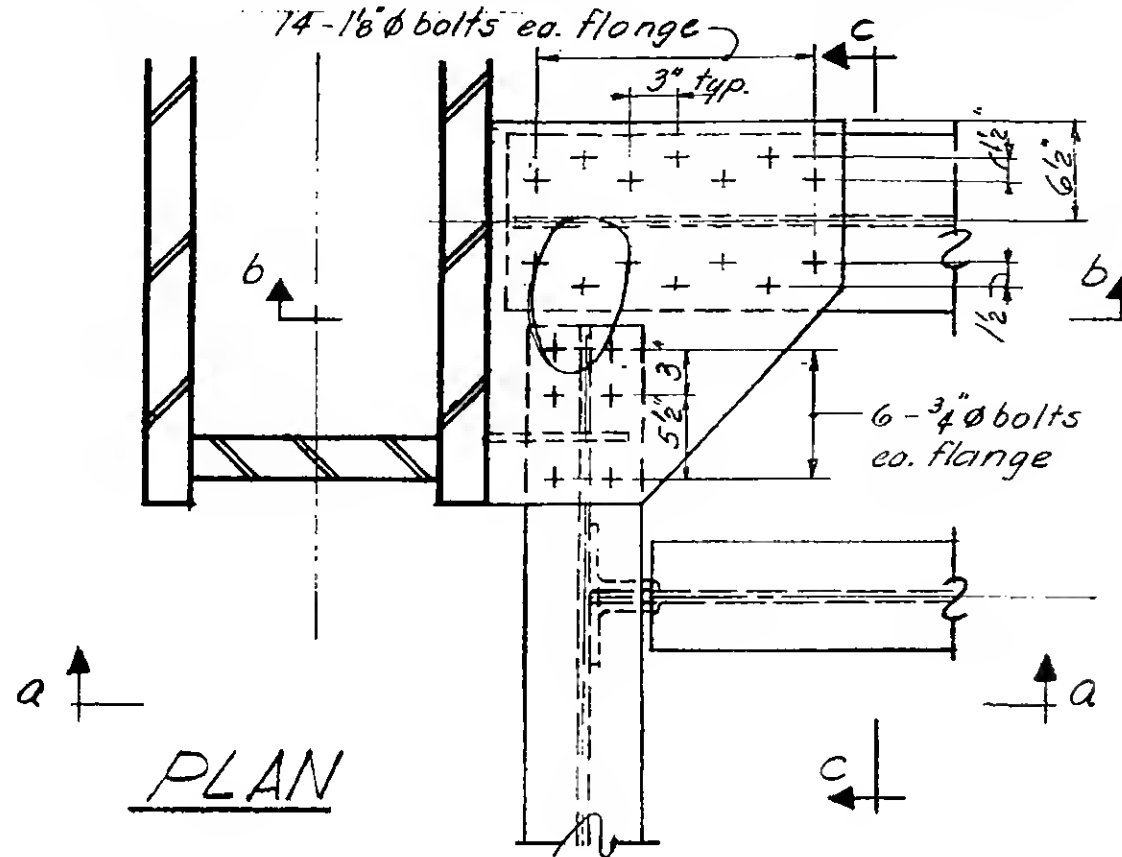
PLAN



6-AB1-183

REVISIONS

8-14-67



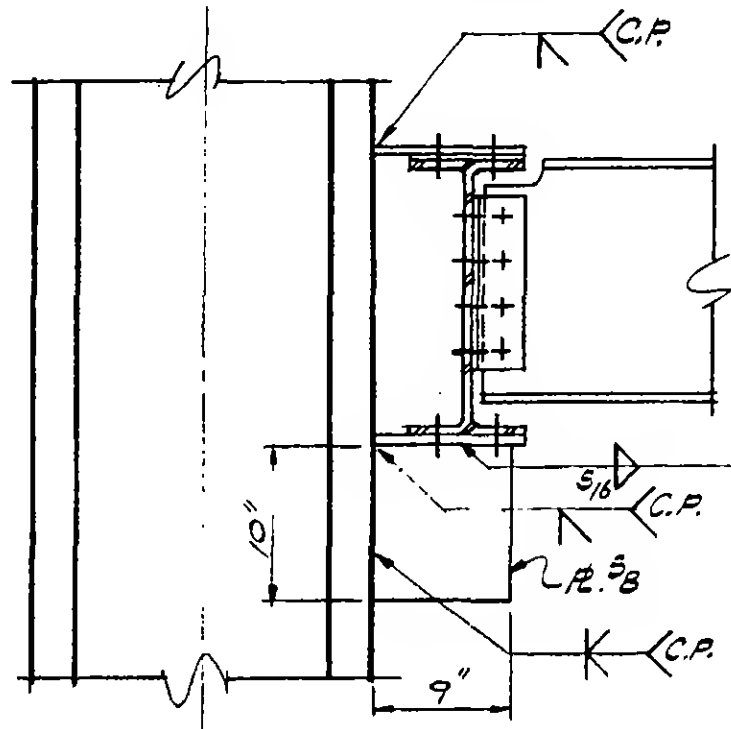
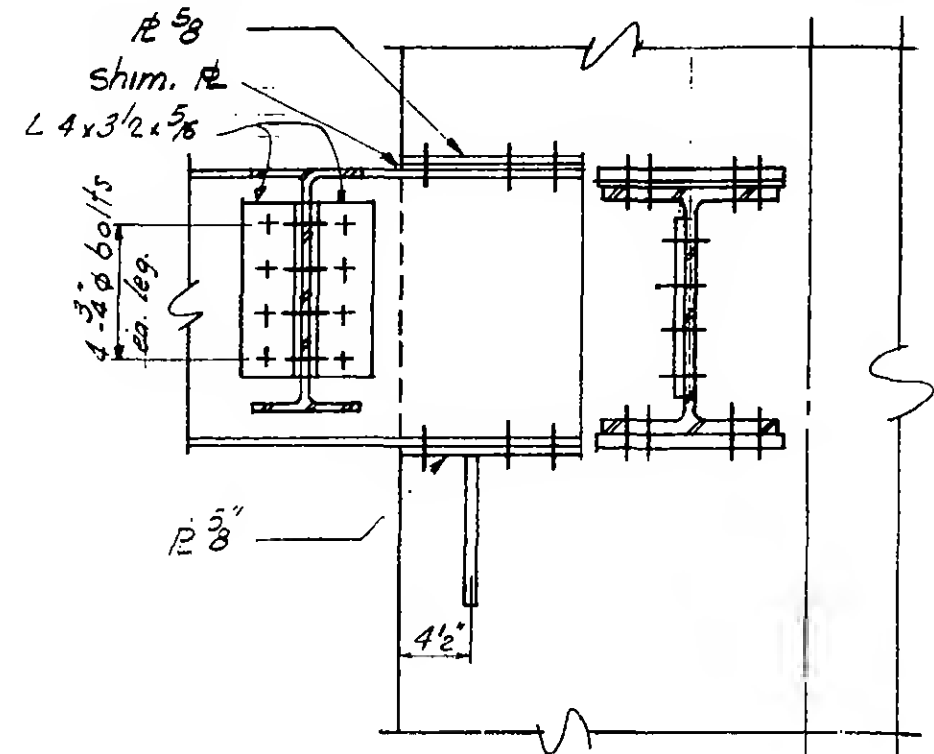
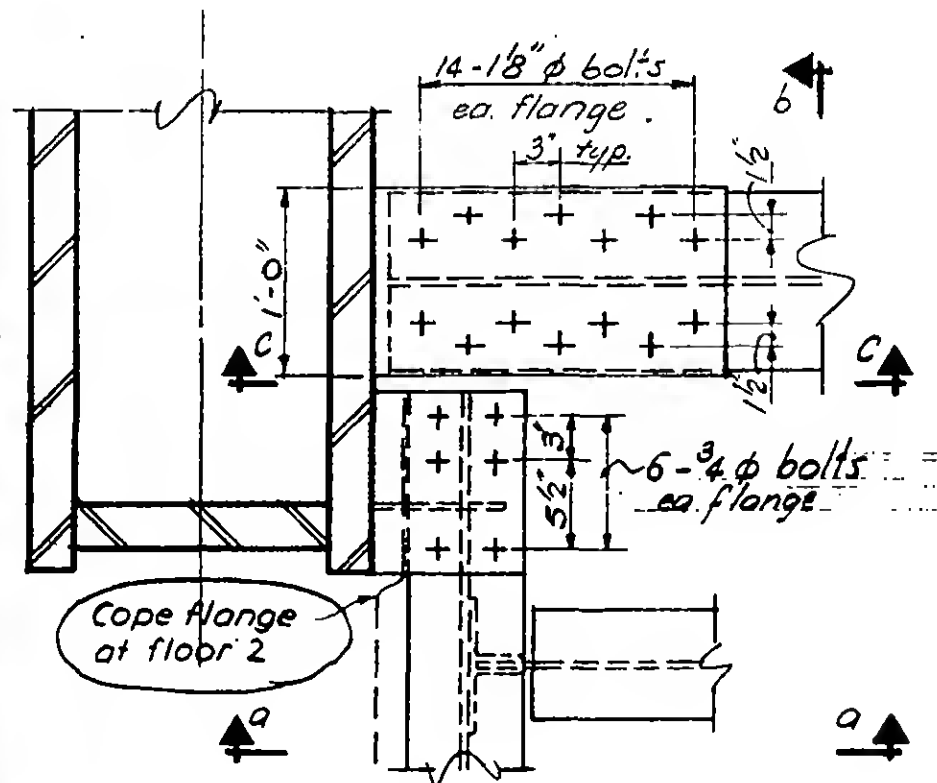
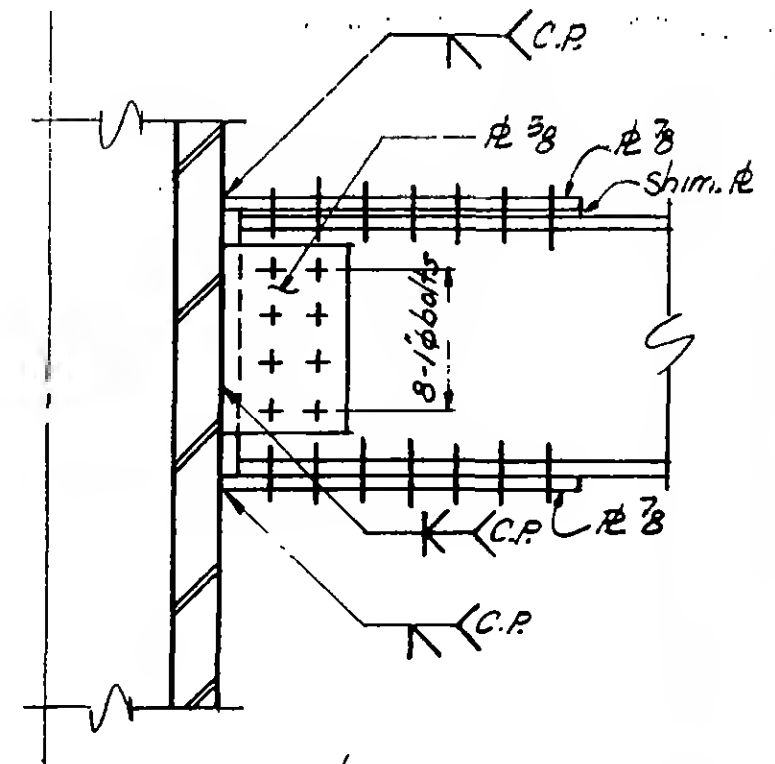
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 377 B

DATE 8-14-67

REVISIONS

9-29-67

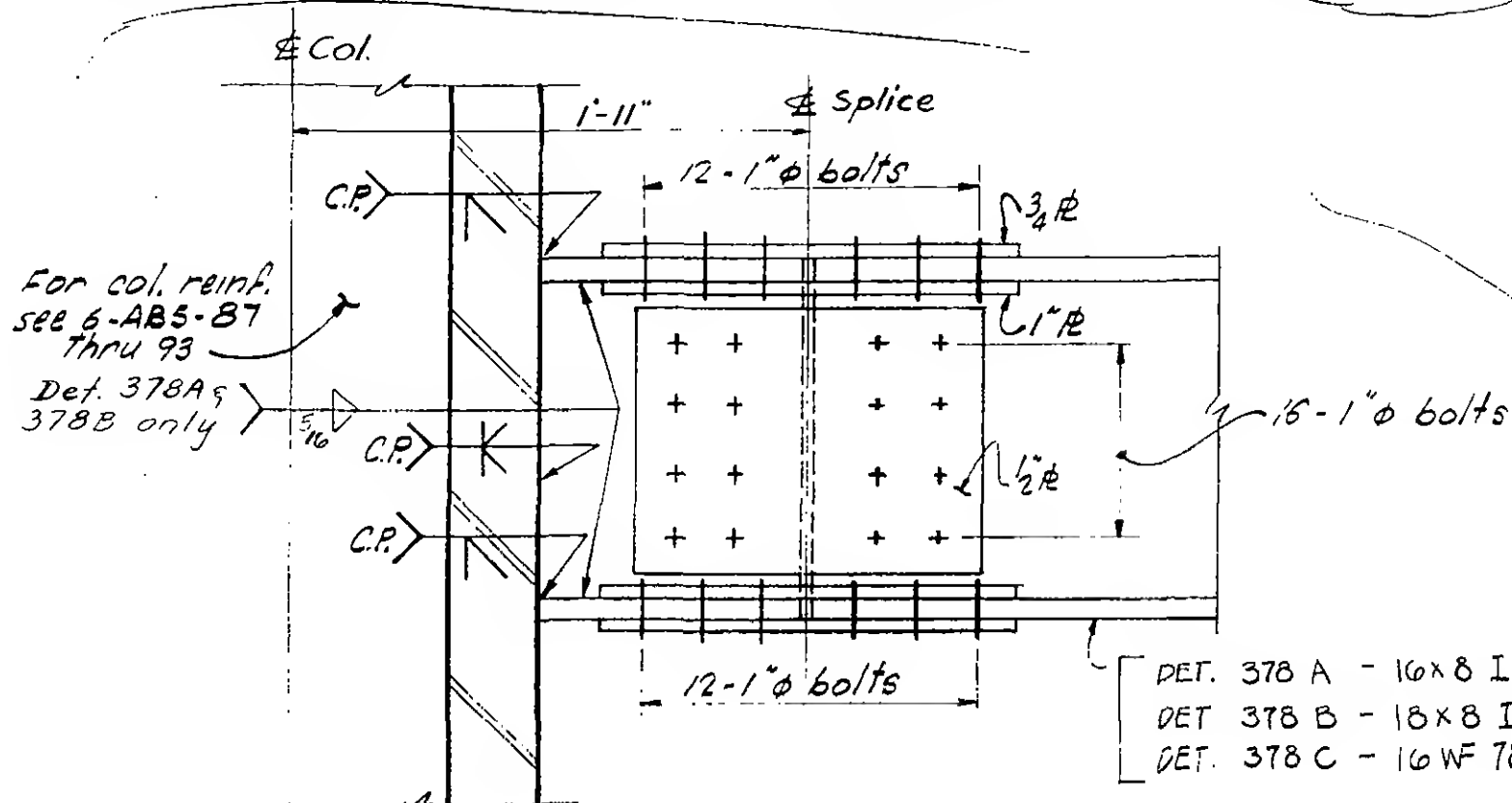
Section a-aSection b-bPLANSection c-c

6-AB1-184.1

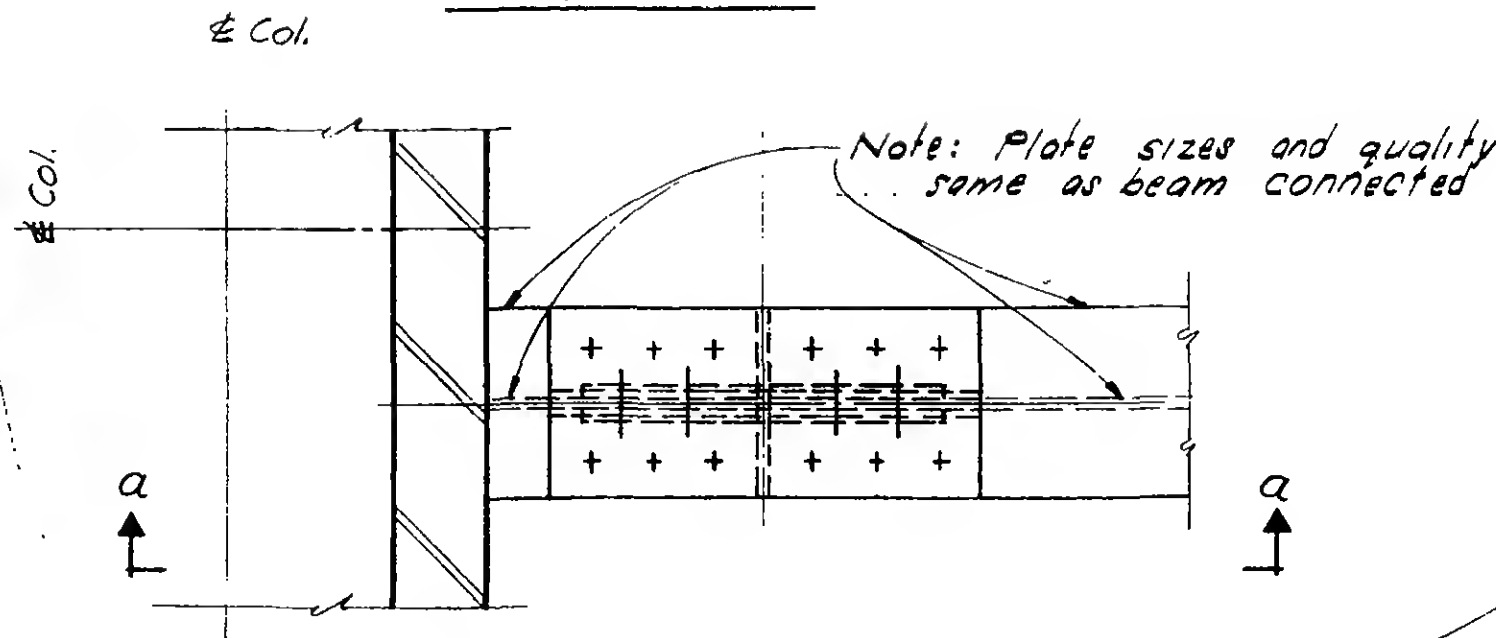


REVISIONS

8-14-67



SECTION a-a



PLAN

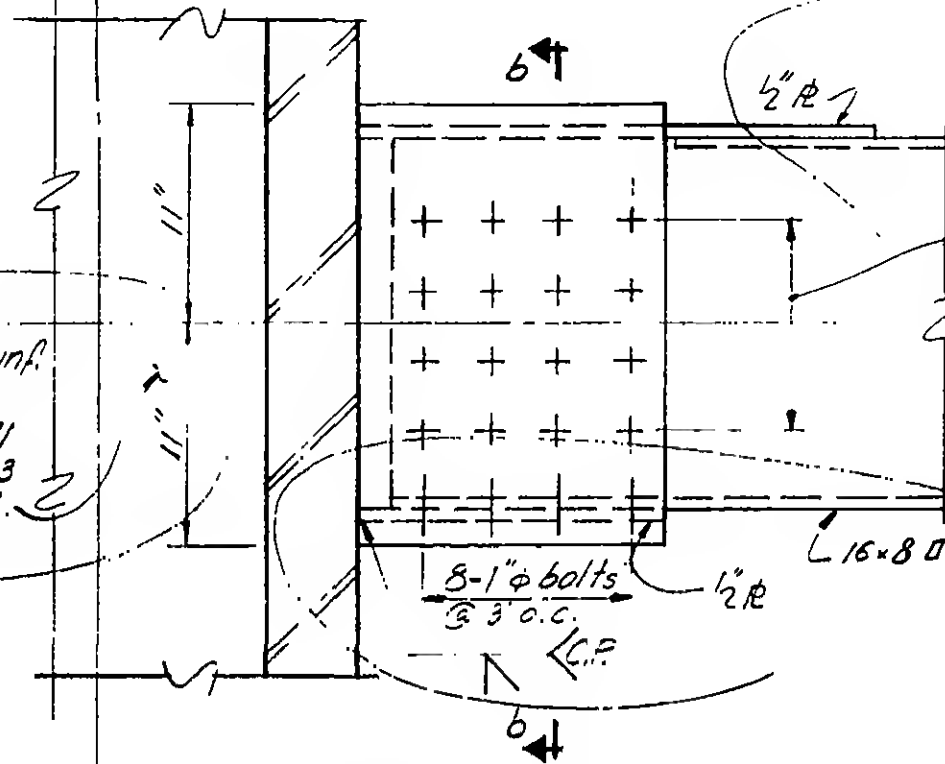


REVISIONS

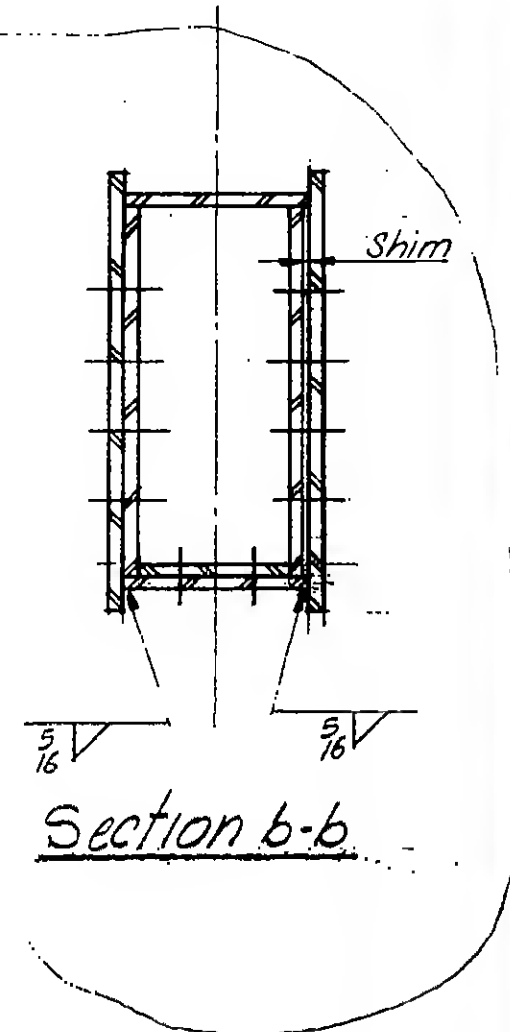
8-14-67

For col. reinf.
of col. 506
See 6-ABS-91
and col. 1003
See 5-ABS-92.

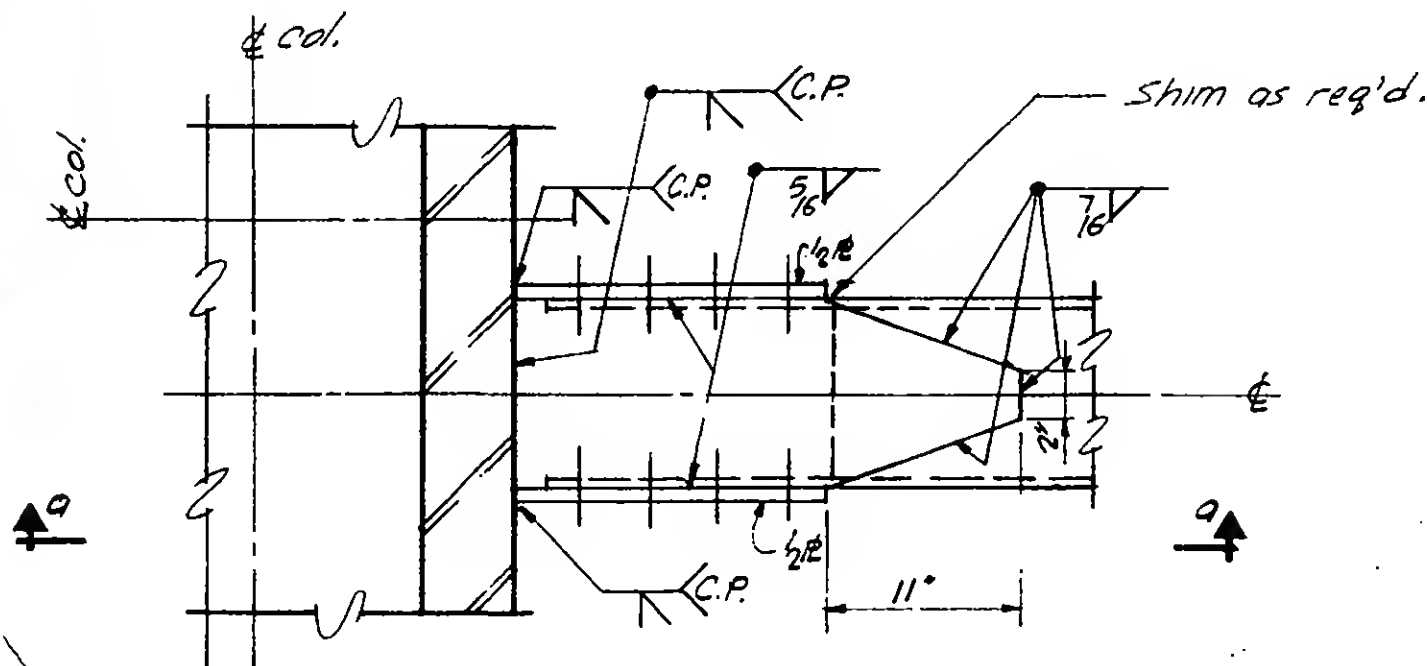
Col.



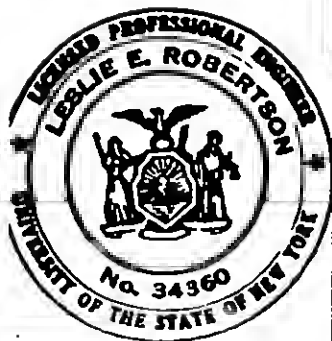
SECTION a-a



Section b-b

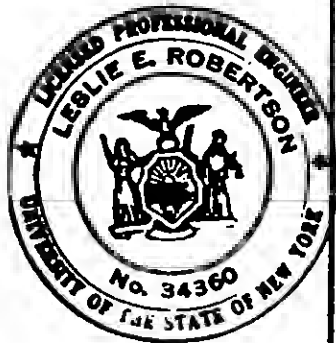
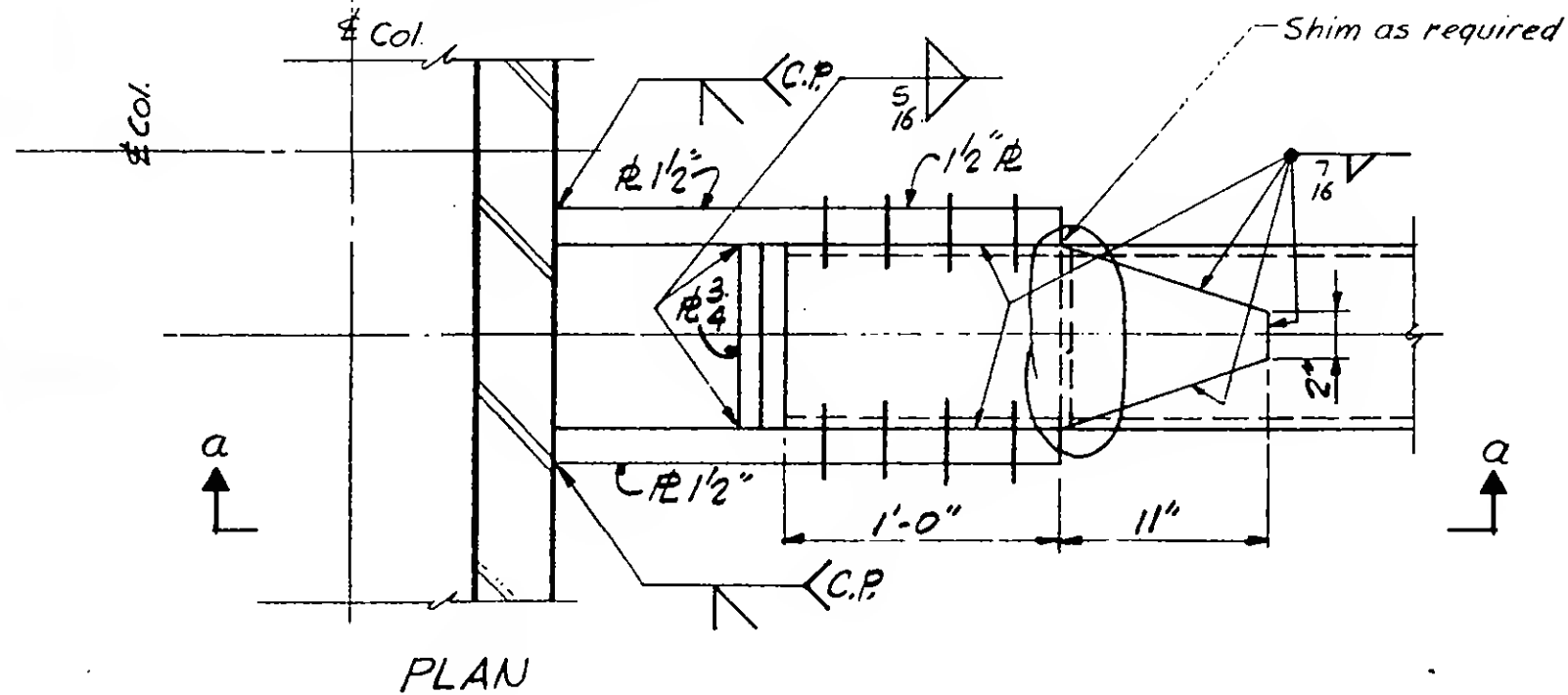
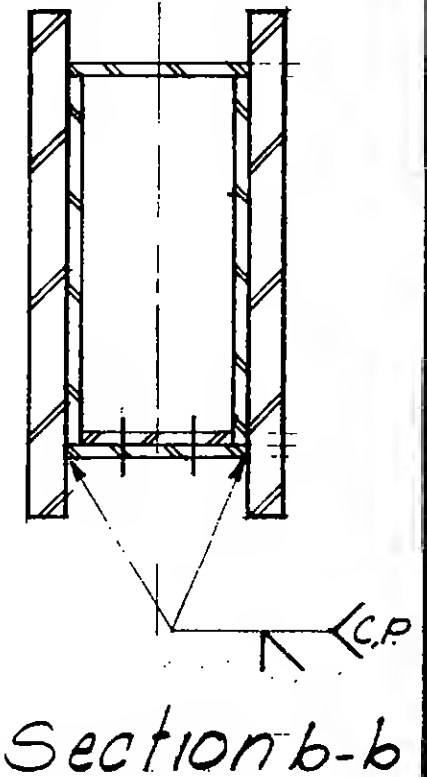
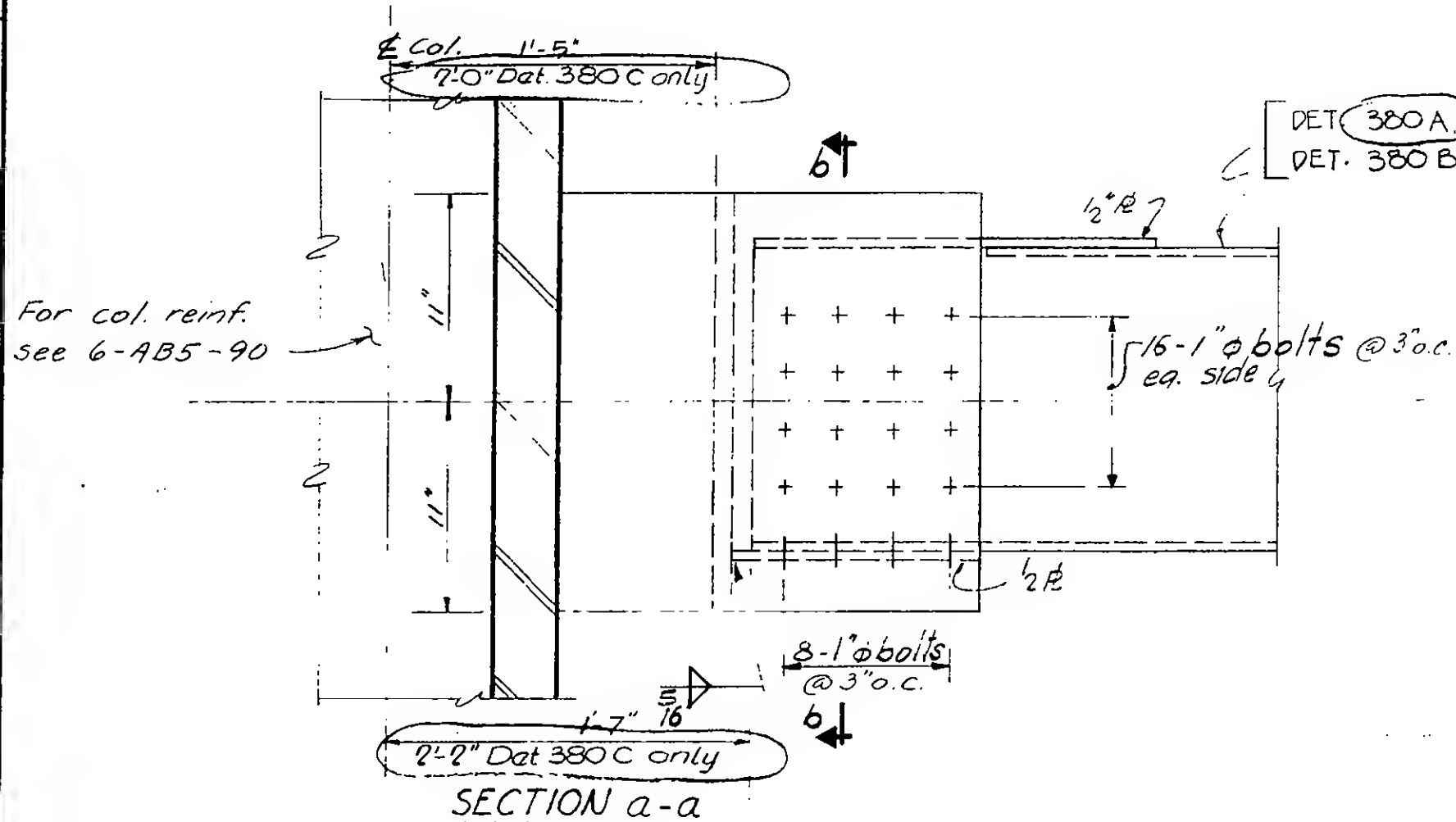


PLAN



REVISIONS

8-14-67
9-29-67



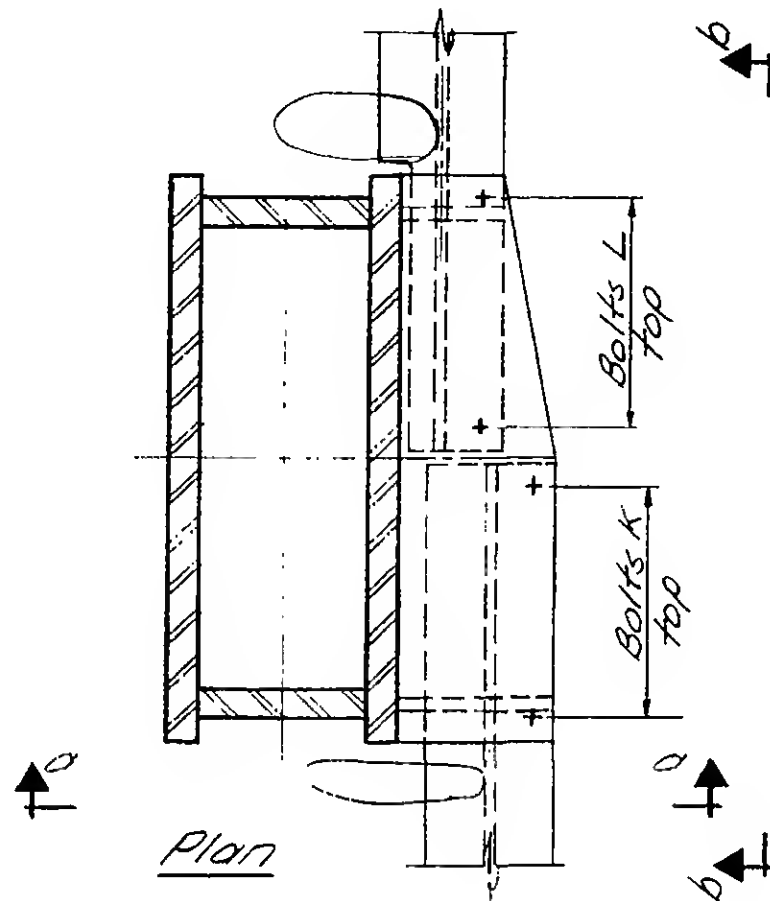
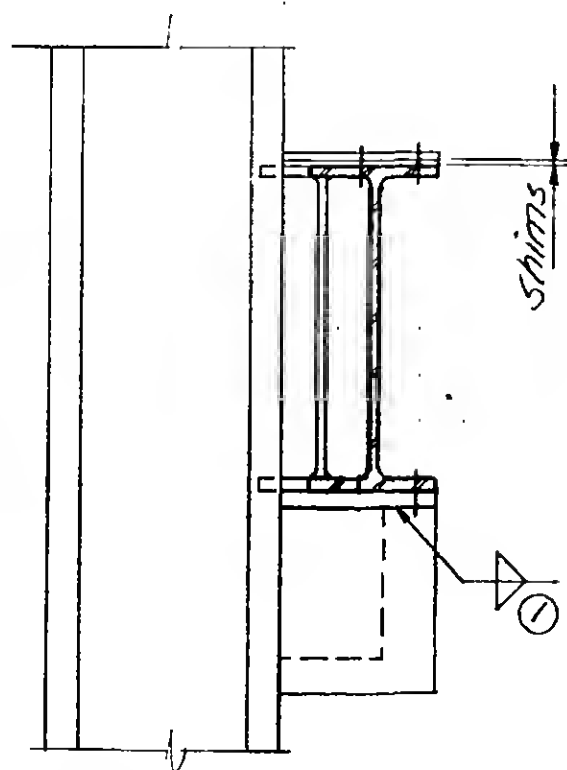
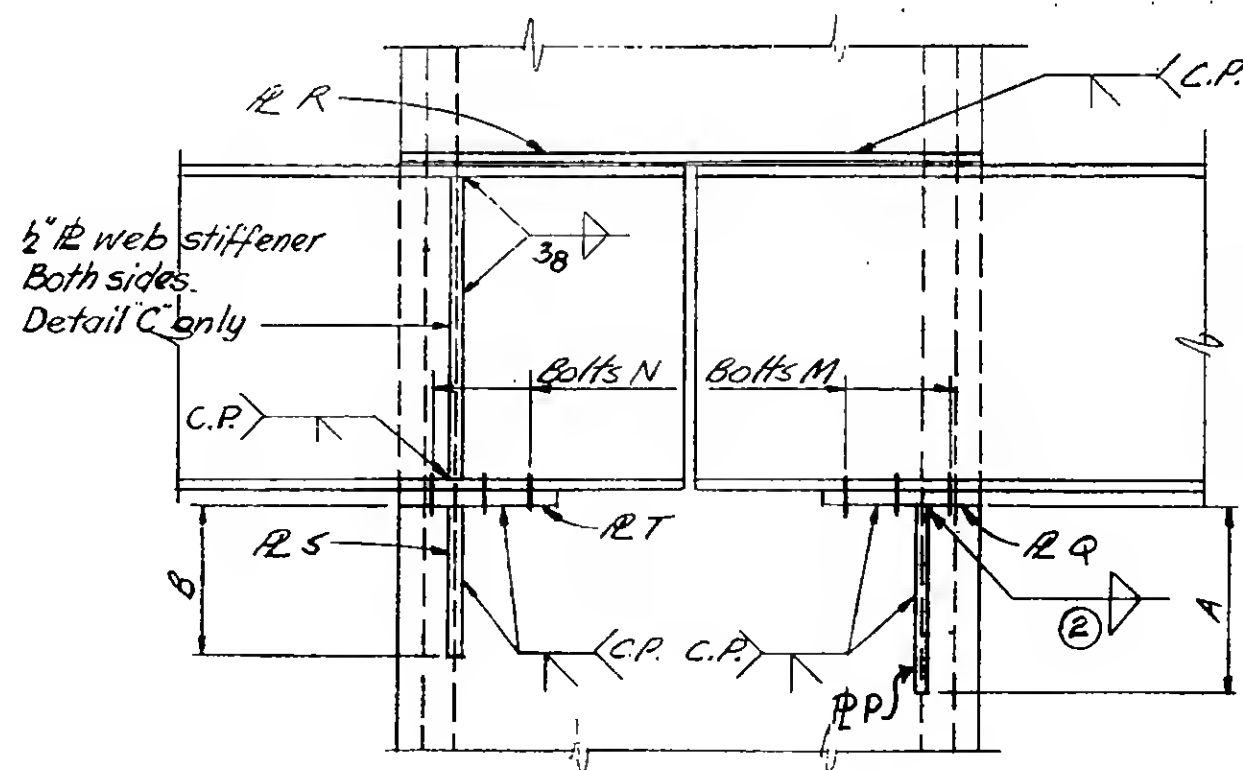
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 381A, C

DATE 9-15-67

REVISIONS

11-23-67

PlanSection a-aSection b-b

6-AB1-188

Structural & Civil Engineers

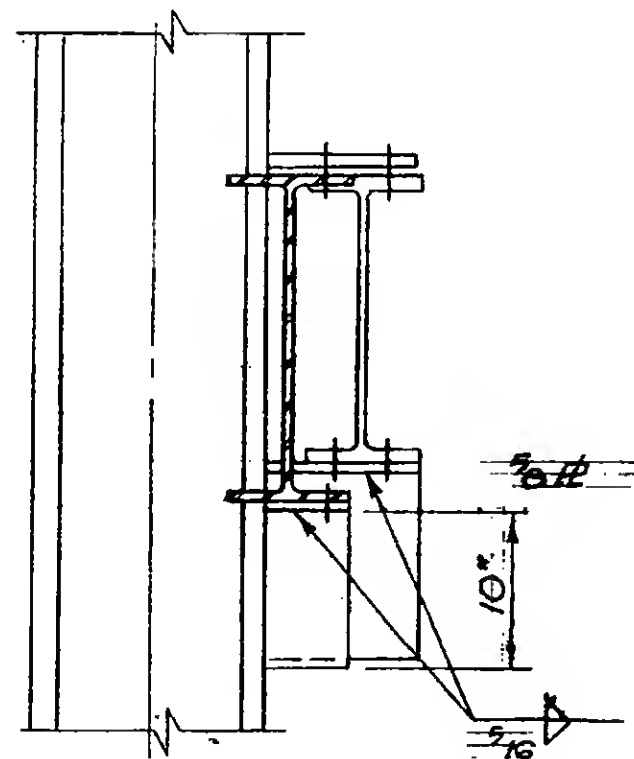
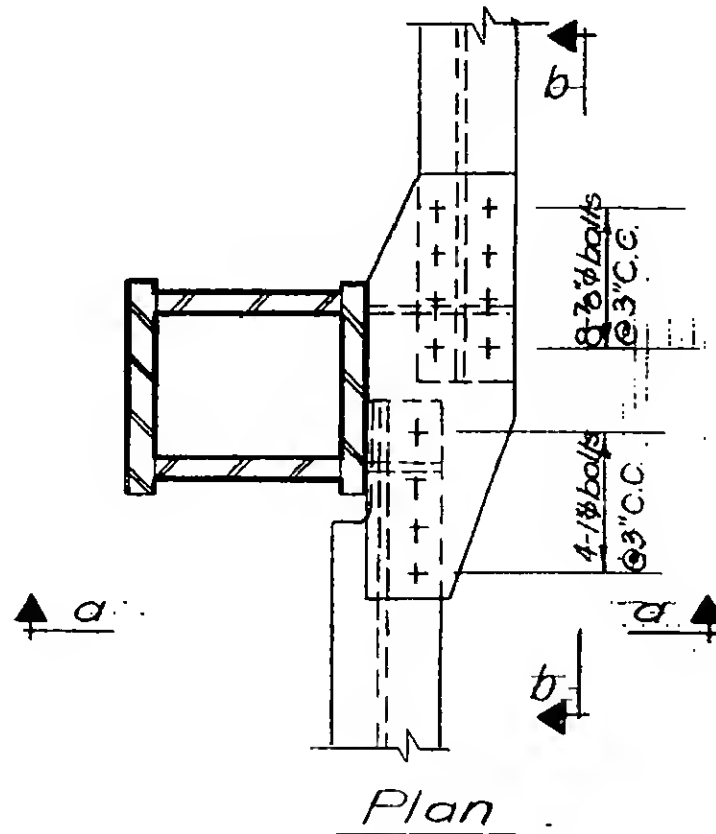
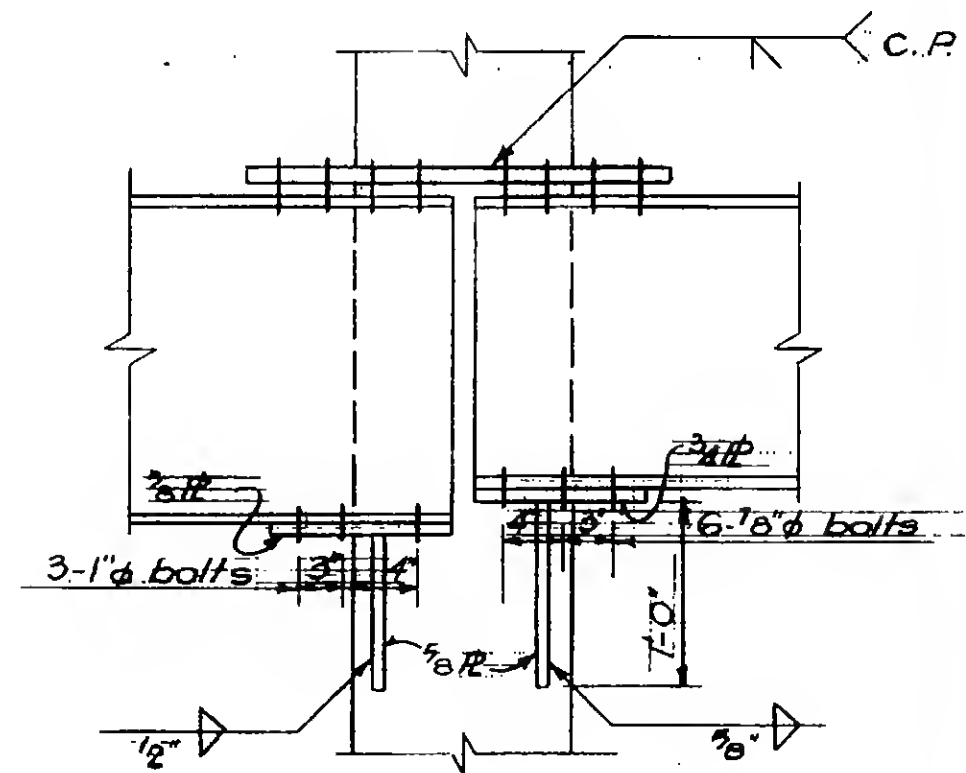
TITLE SCHEDULE FOR DETAIL 381 A

DATE	9-15-67
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11-23-67

[illegible]

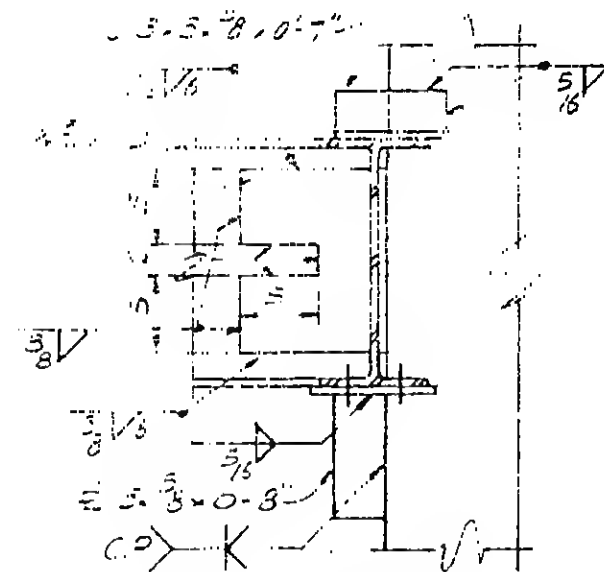
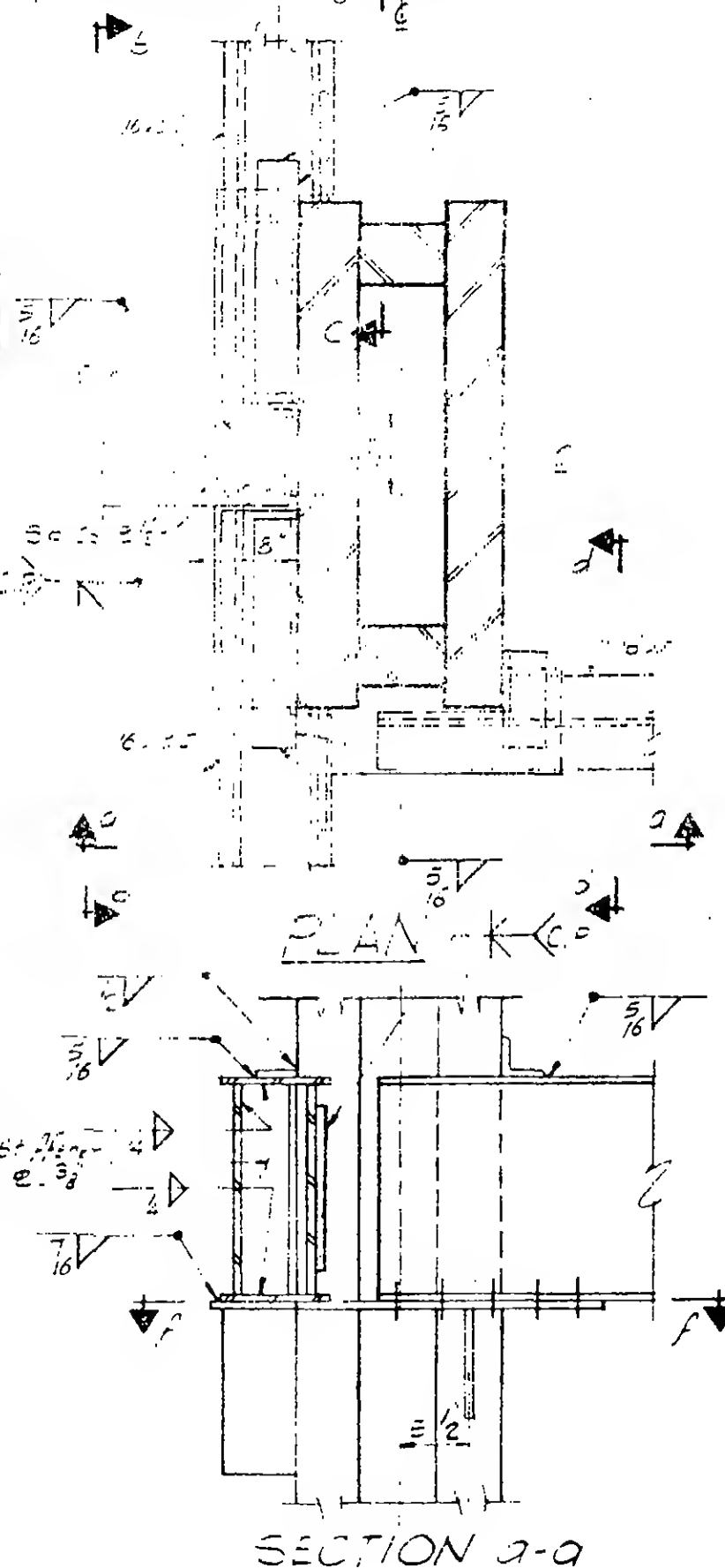
REVISIONS

Section a-aSection b-b

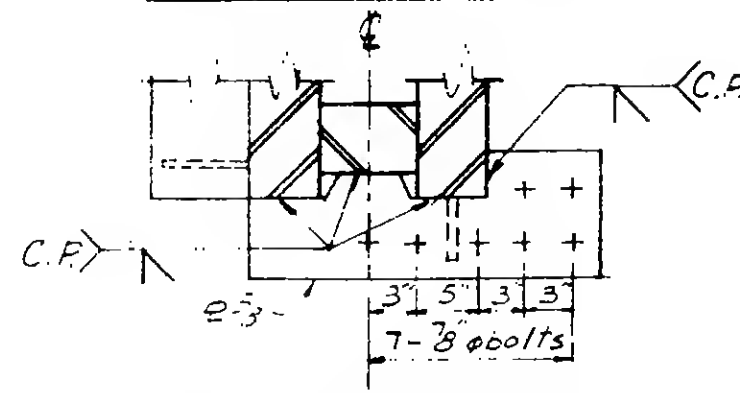
REVISIONS

8-14-67

(6-ABI-189.1) (6-ABI-189.2)



SECTION d-d



SECTION f-f



6-ABI-189

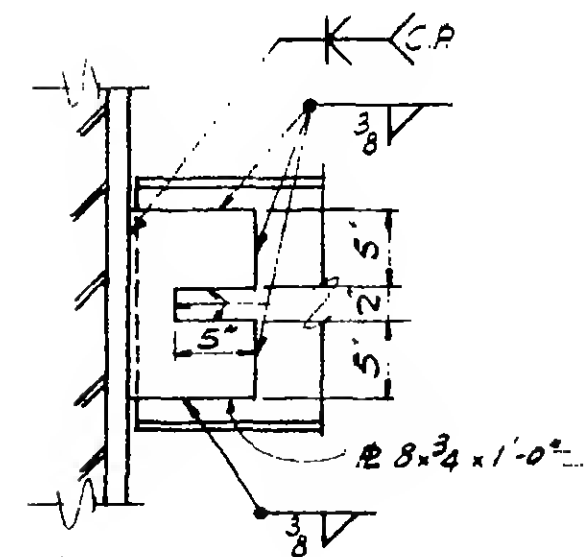
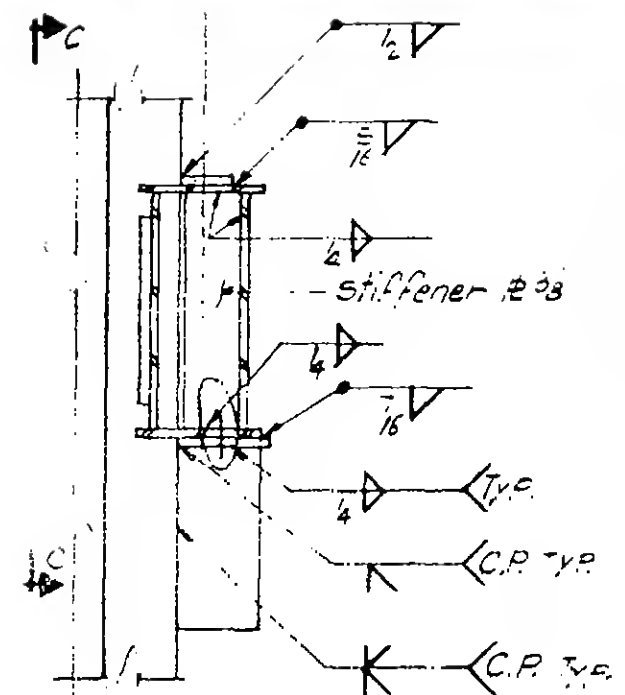
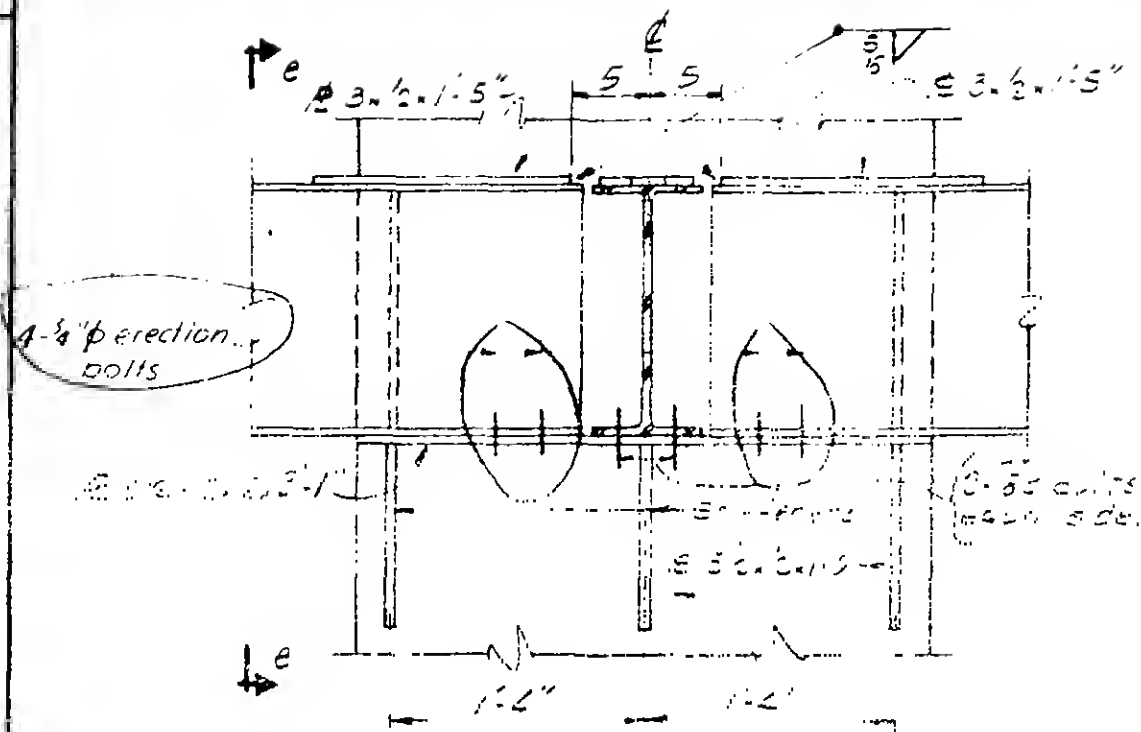
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 382 A

DATE 8-14-67

REVISIONS

11-14-67



G-ABI-189.1

WORTHINGTON, SKILLING, HELLE & JACKSON

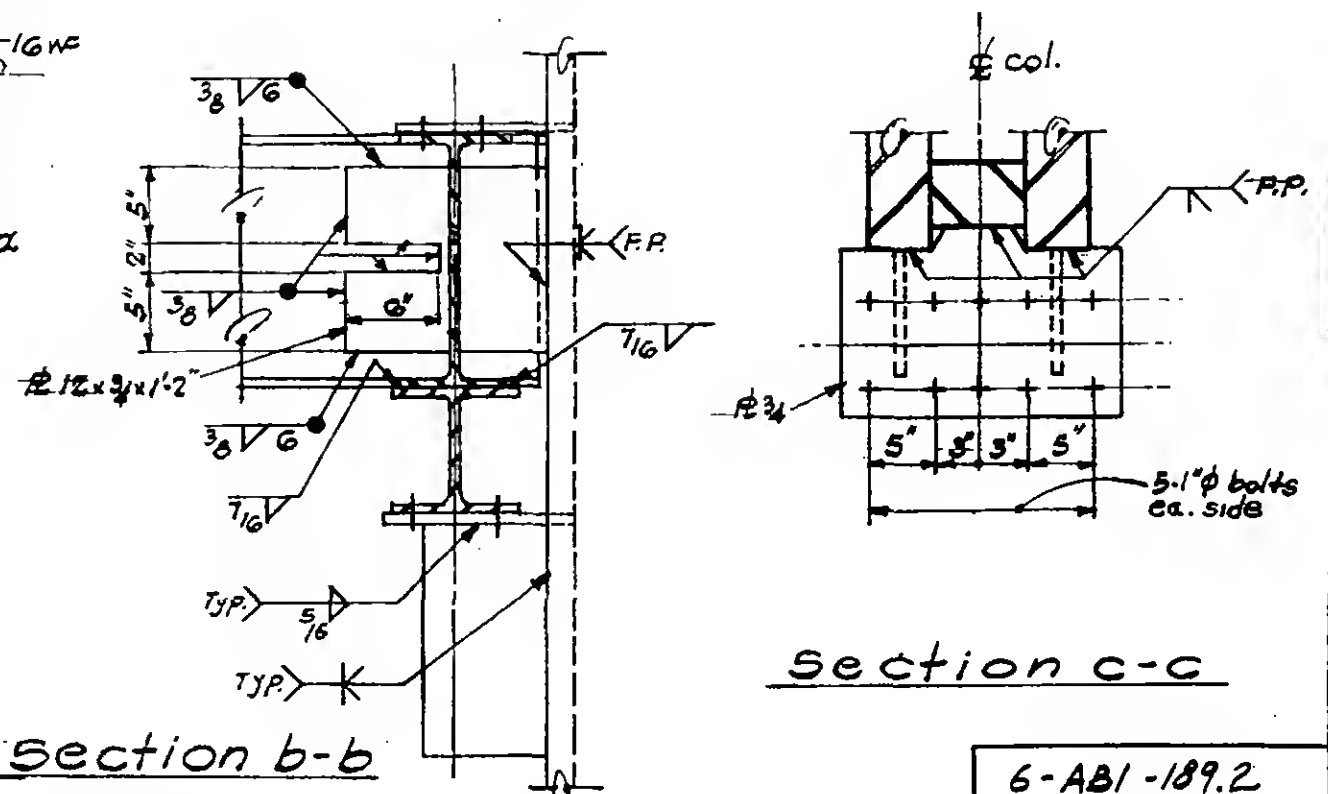
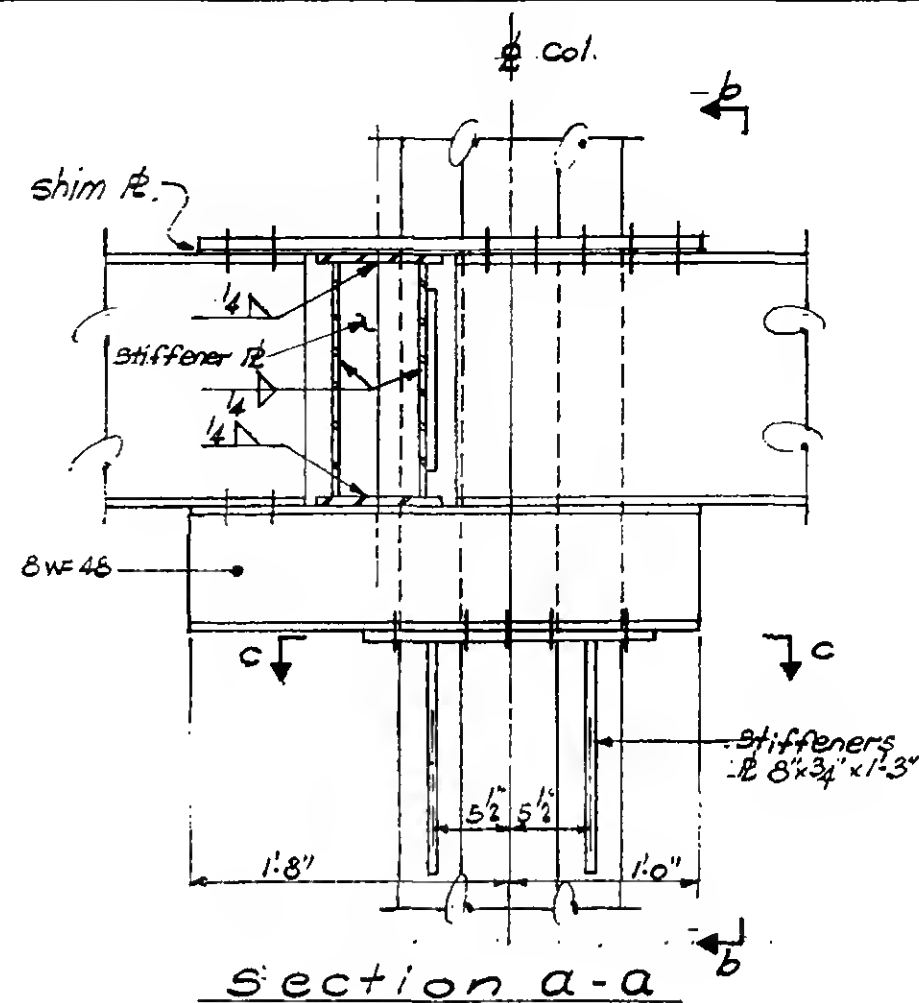
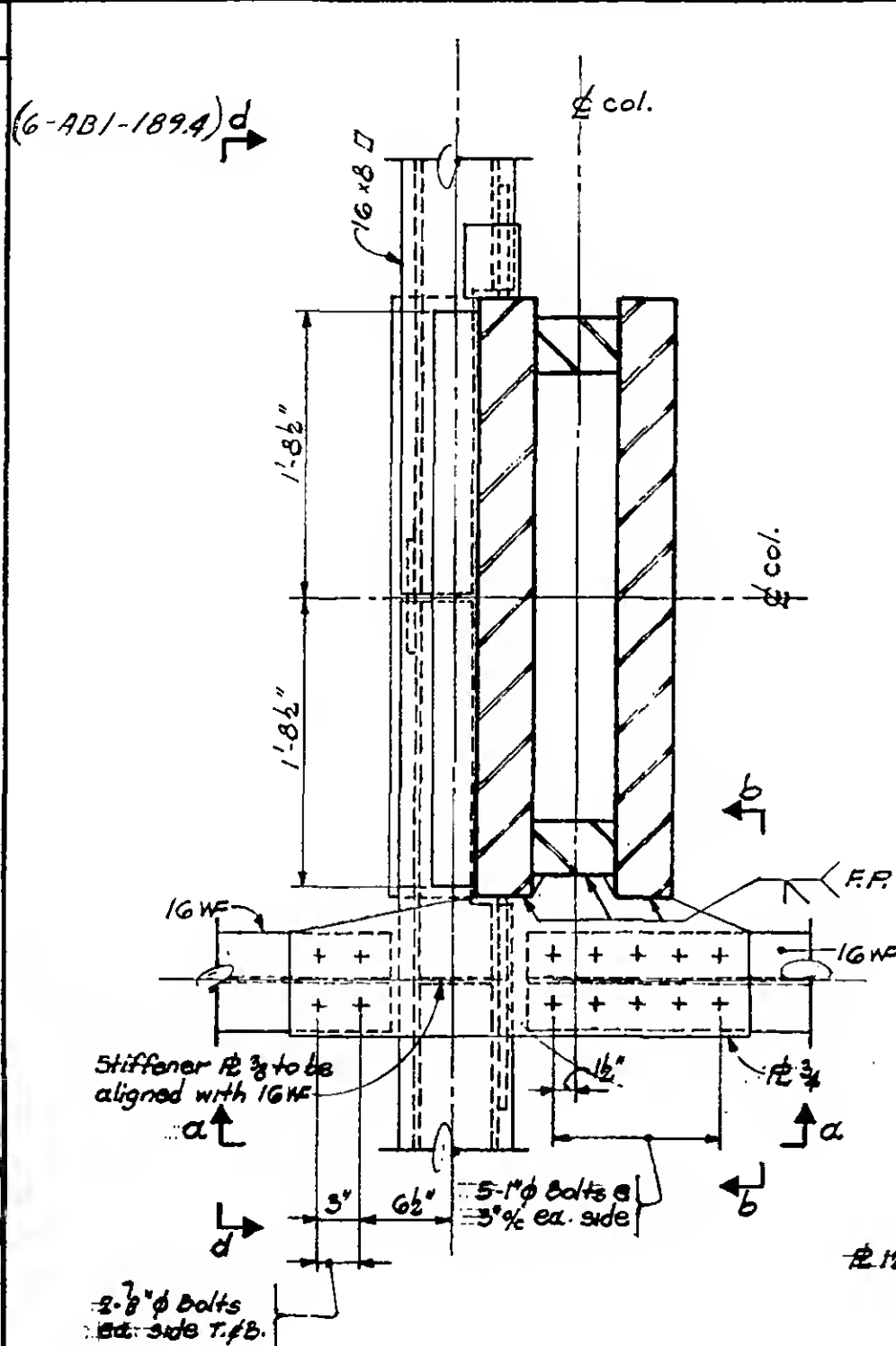
Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 382B

DATE 8-14-67

REVISIONS



6-ABI-189.2

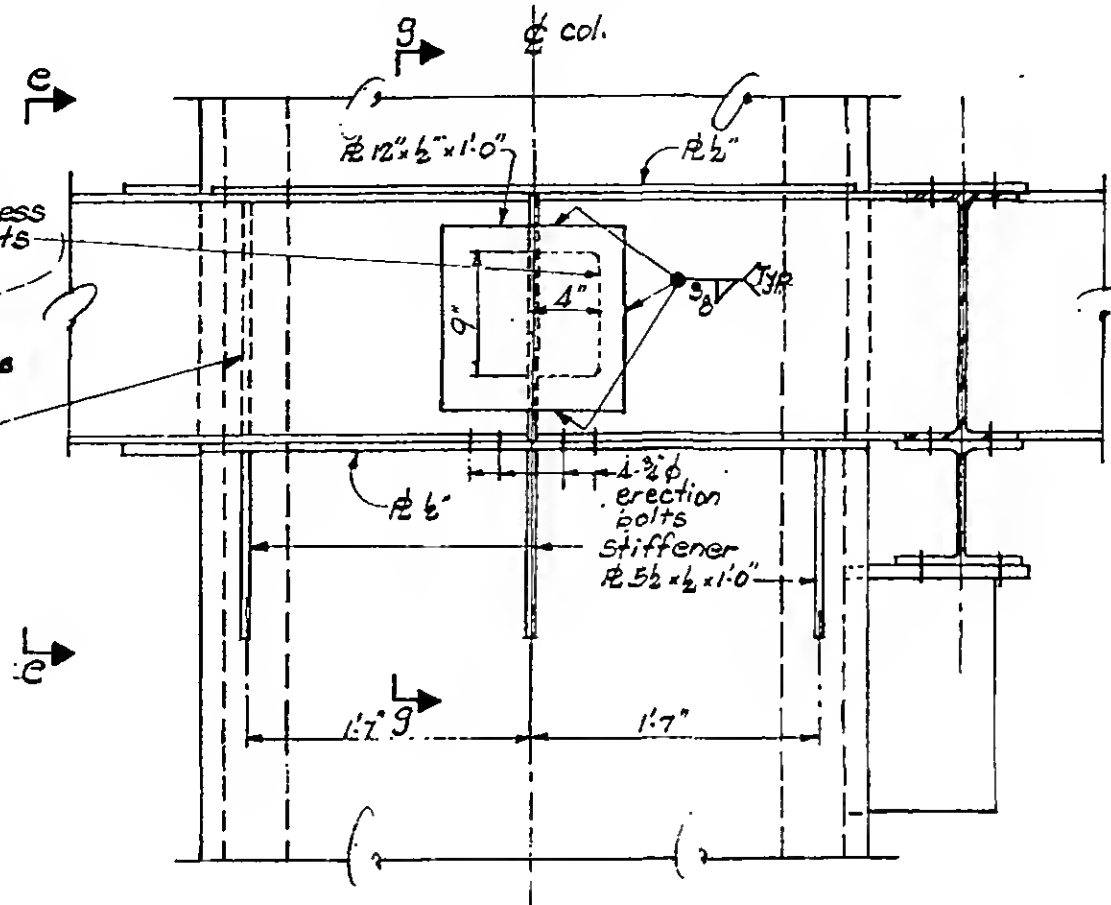


REVISIONS

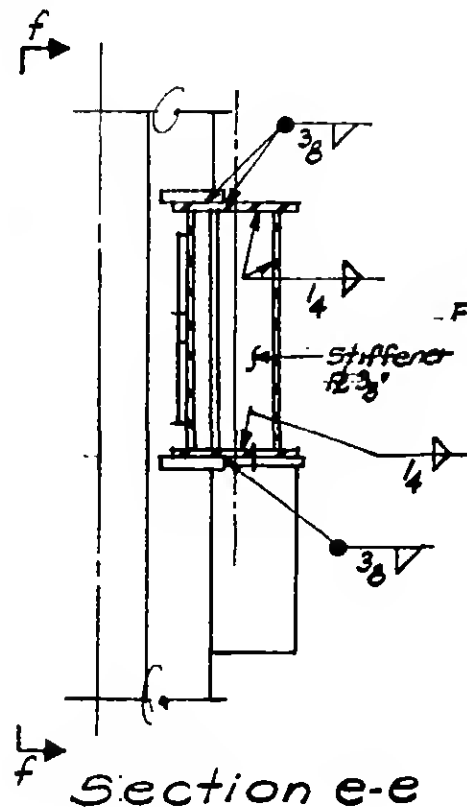
11/14/67

notch one or the other box beam for access to erection bolts

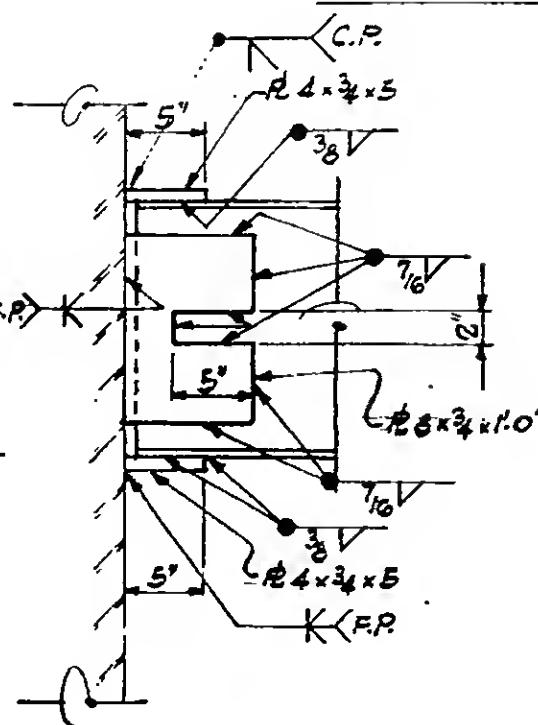
stiffener ϕ to be aligned with stiffener ϕ in seat below



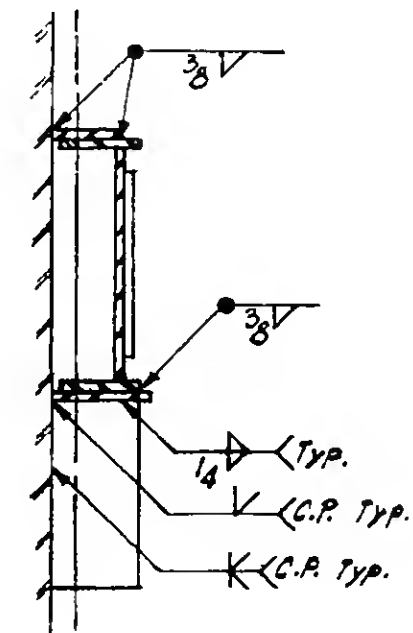
Section d-d



Section e-e



Section f-f

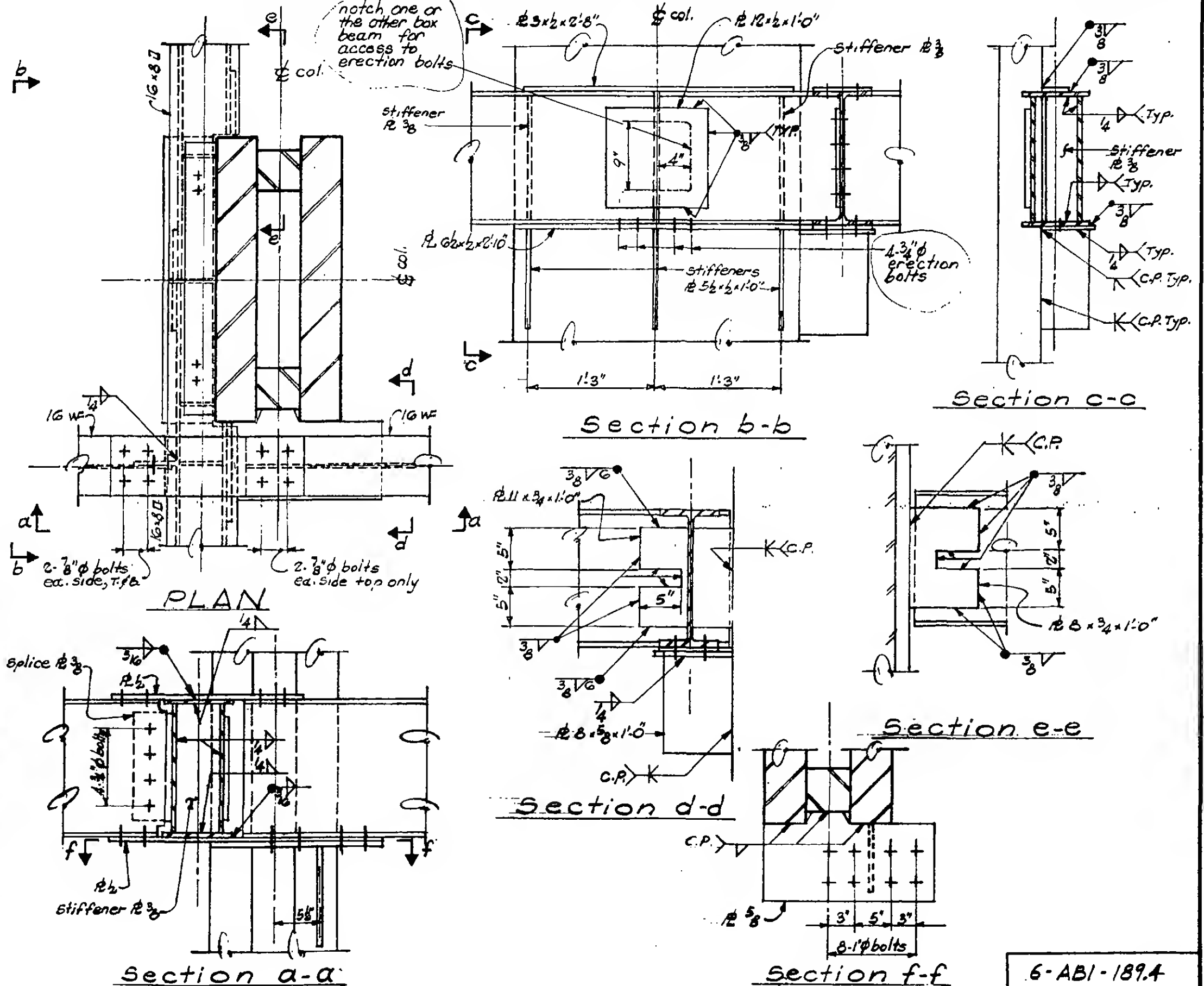


Section g-g



REVISIONS

11/14/67

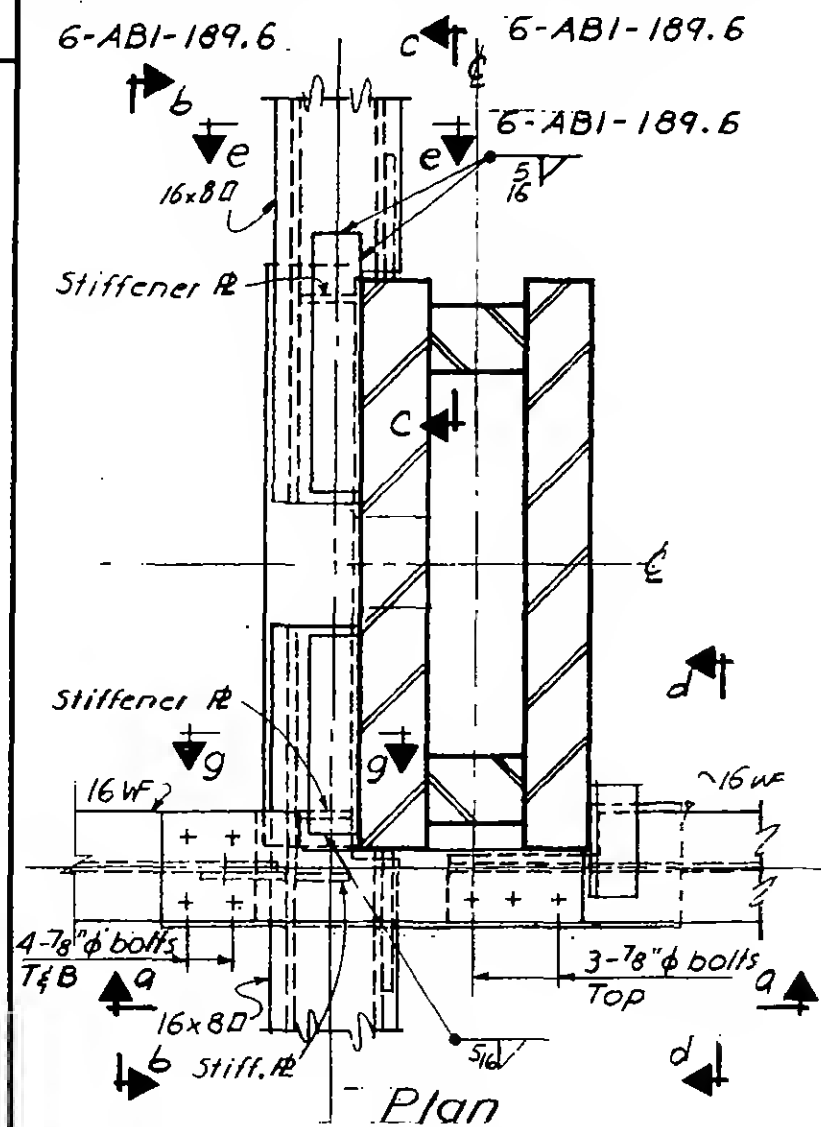


PROJECT *THE WORLD TRADE CENTER*

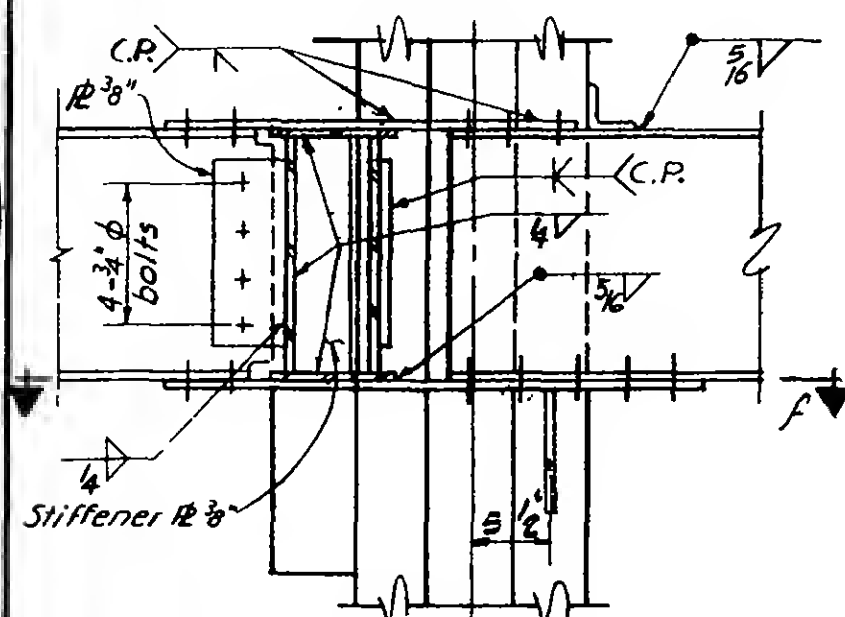
TITLE *CONNECTION DETAIL 382 D*

DATE *7-17-68*

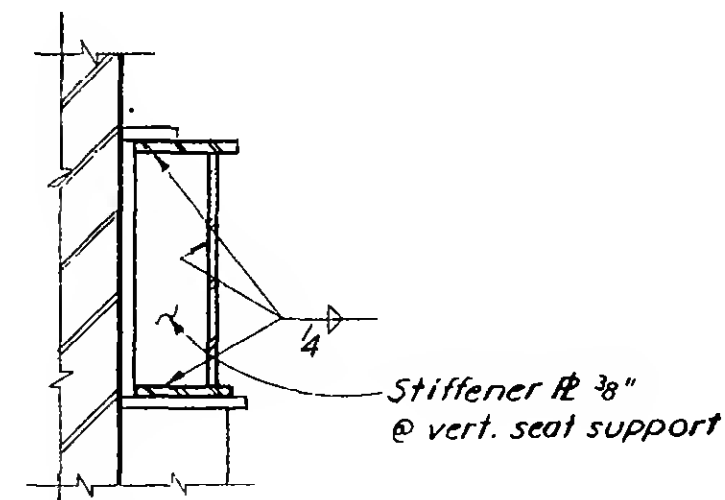
REVISIONS



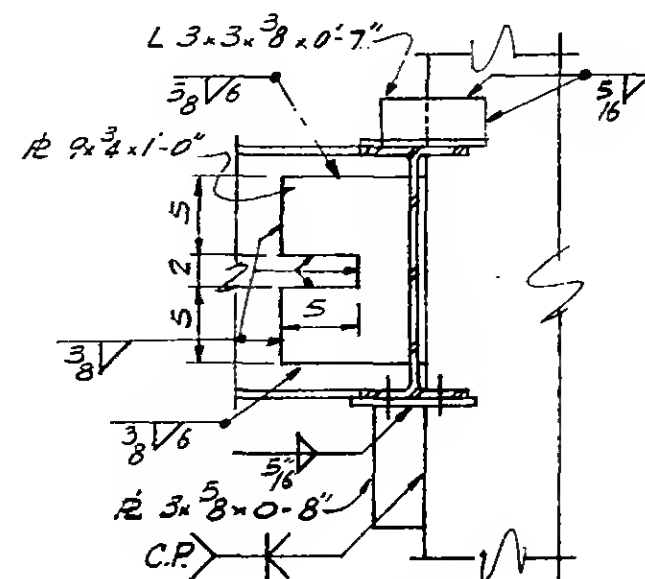
Plan



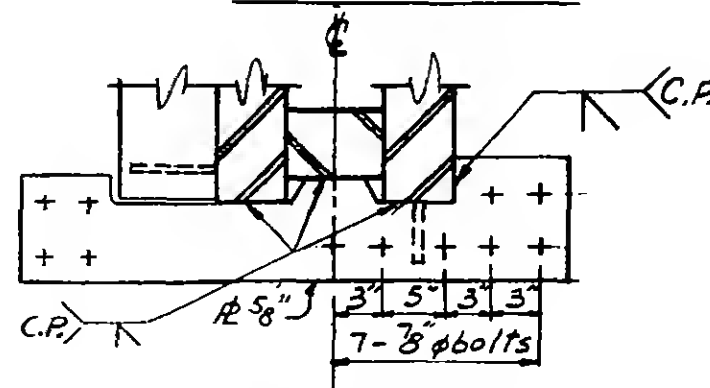
Section a-a



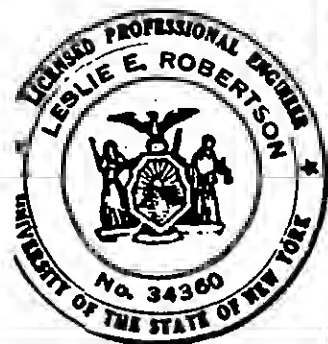
Section g-g



Section d-d



Section f-f



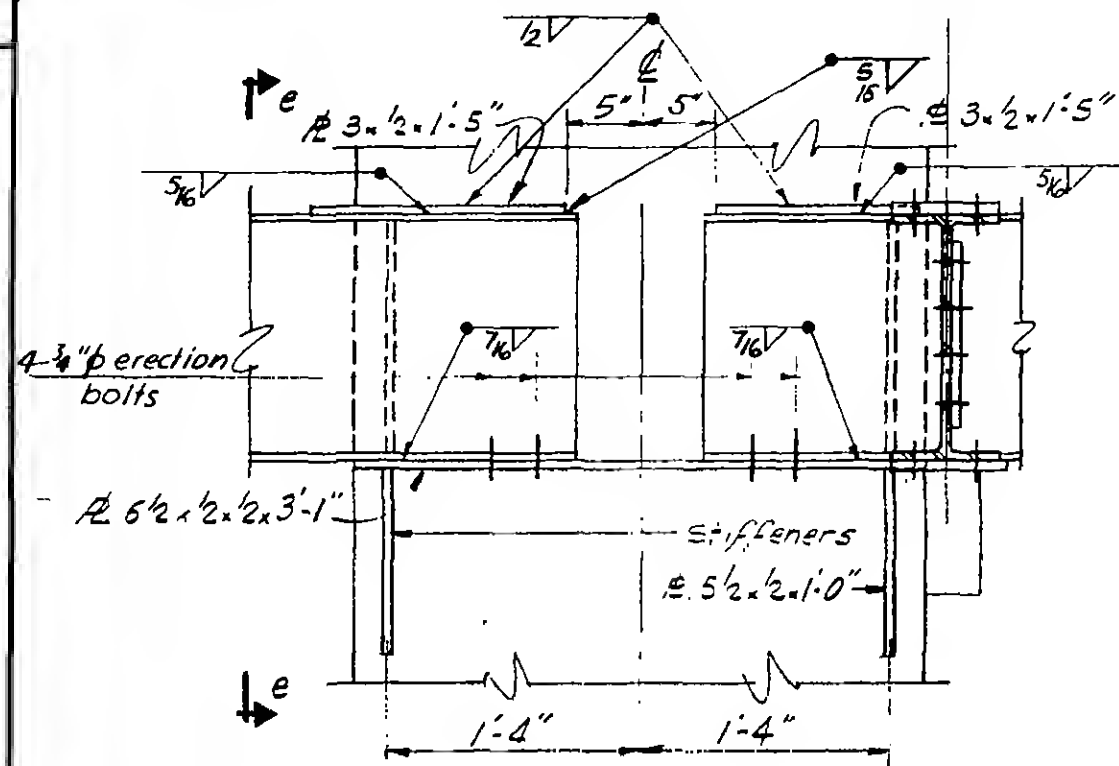
6-ABI-189.5

PROJECT THE WORLD TRADE CENTER

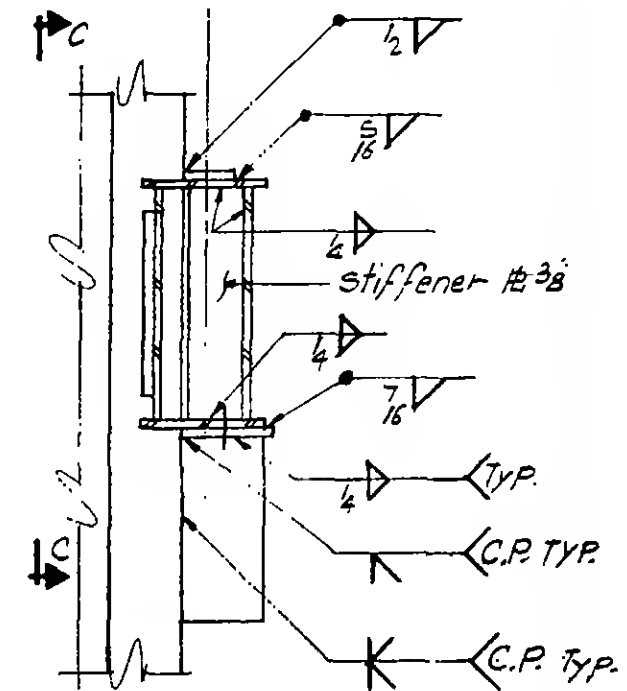
TITLE CONNECTION DETAIL 382 D

DATE 7-17-68

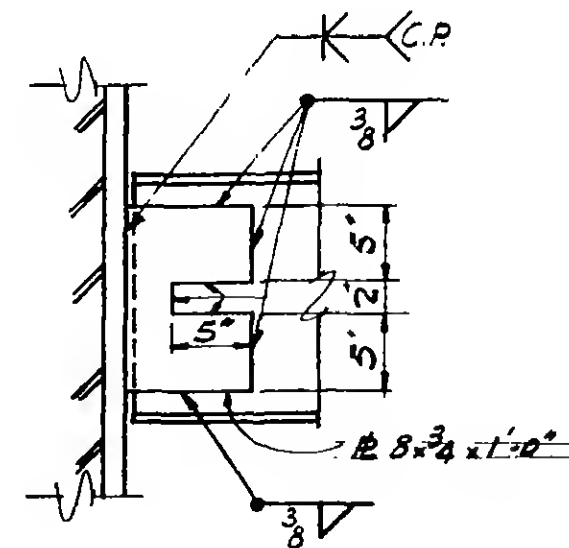
REVISIONS



Section b-b

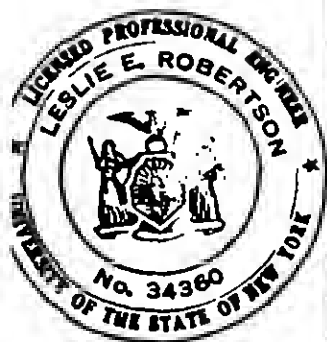


Section e-e



Section c-c

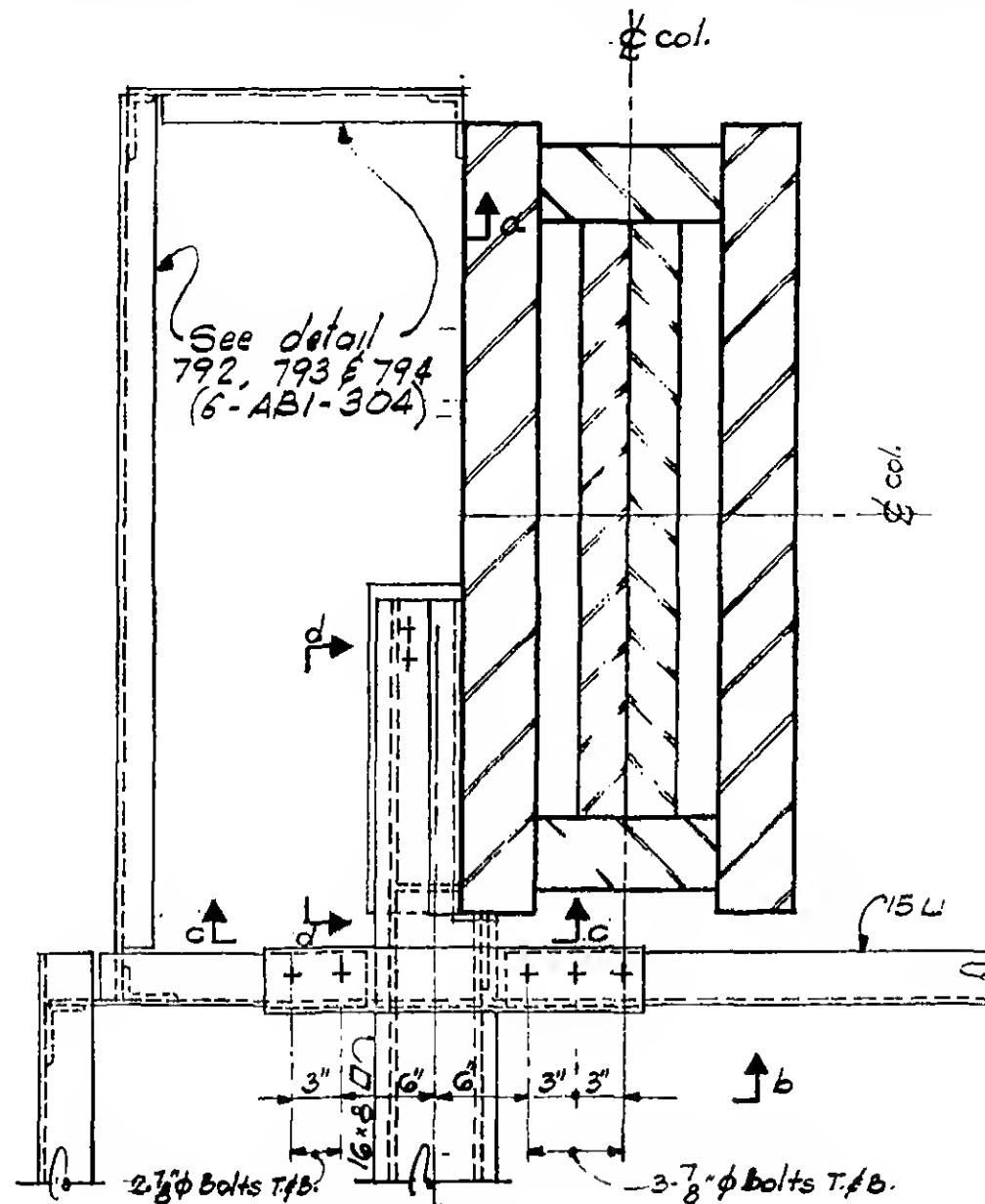
G-ABI-189.6



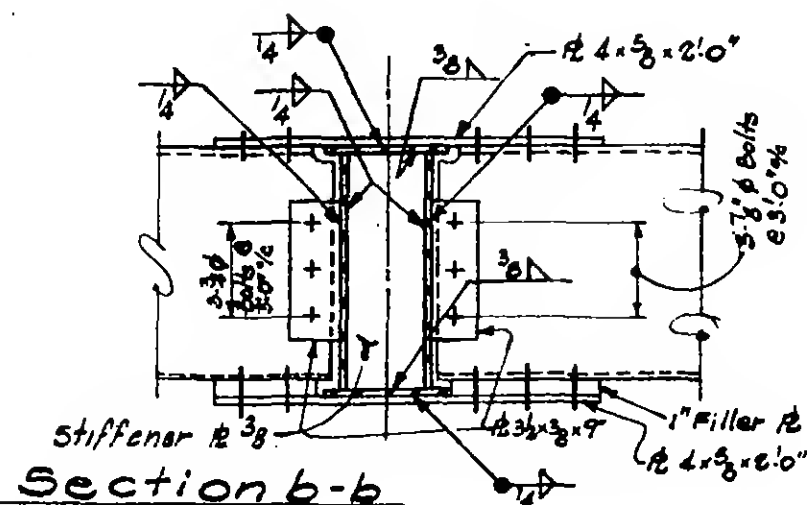
REVISIONS

8-14-67

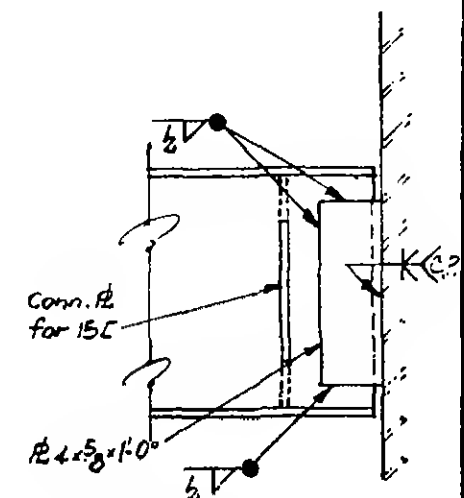
11-14-67



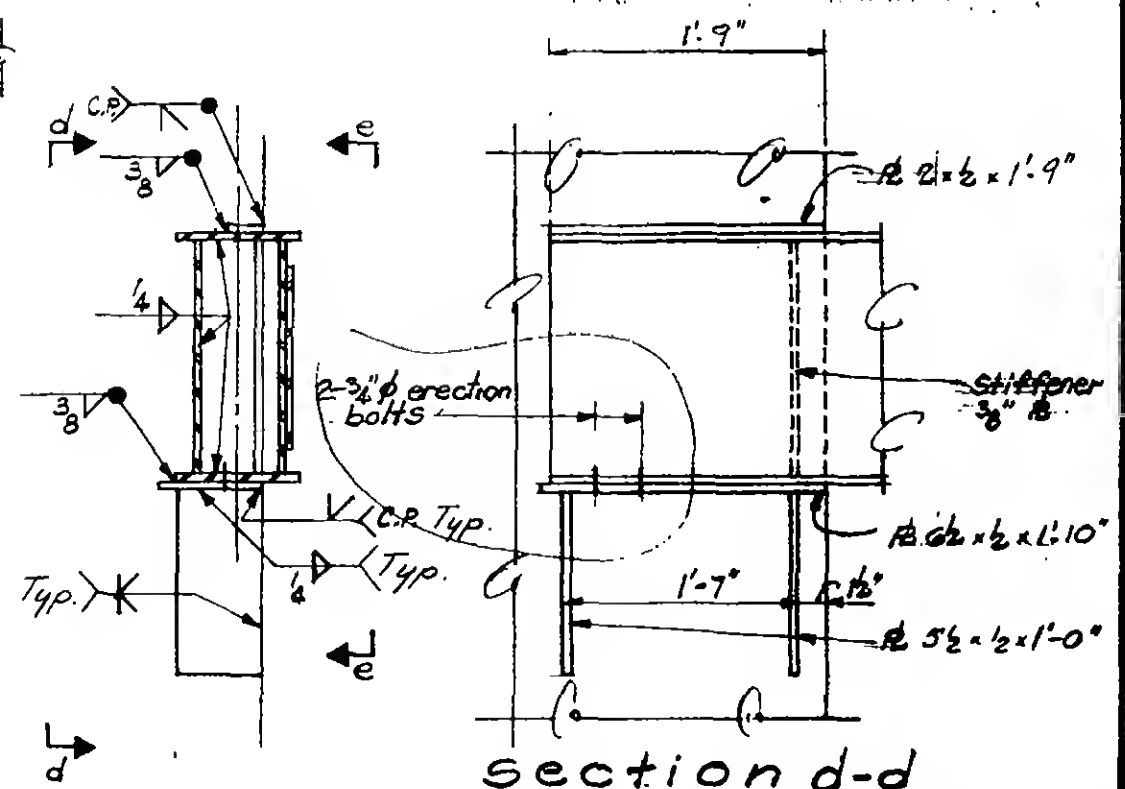
PLAN



Section b-b



Section e-e



section d-d

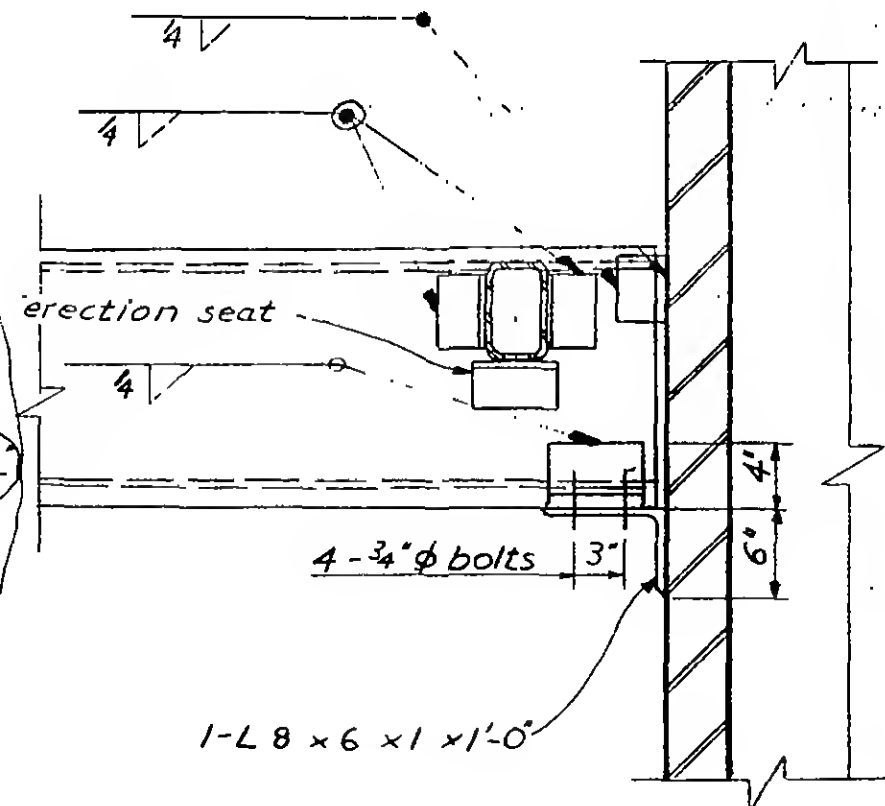
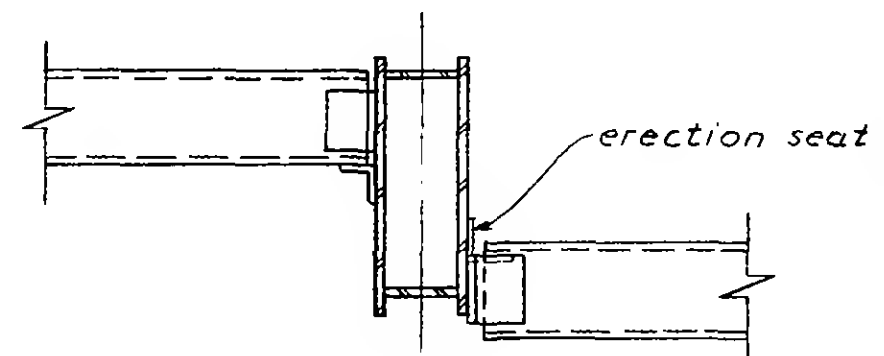
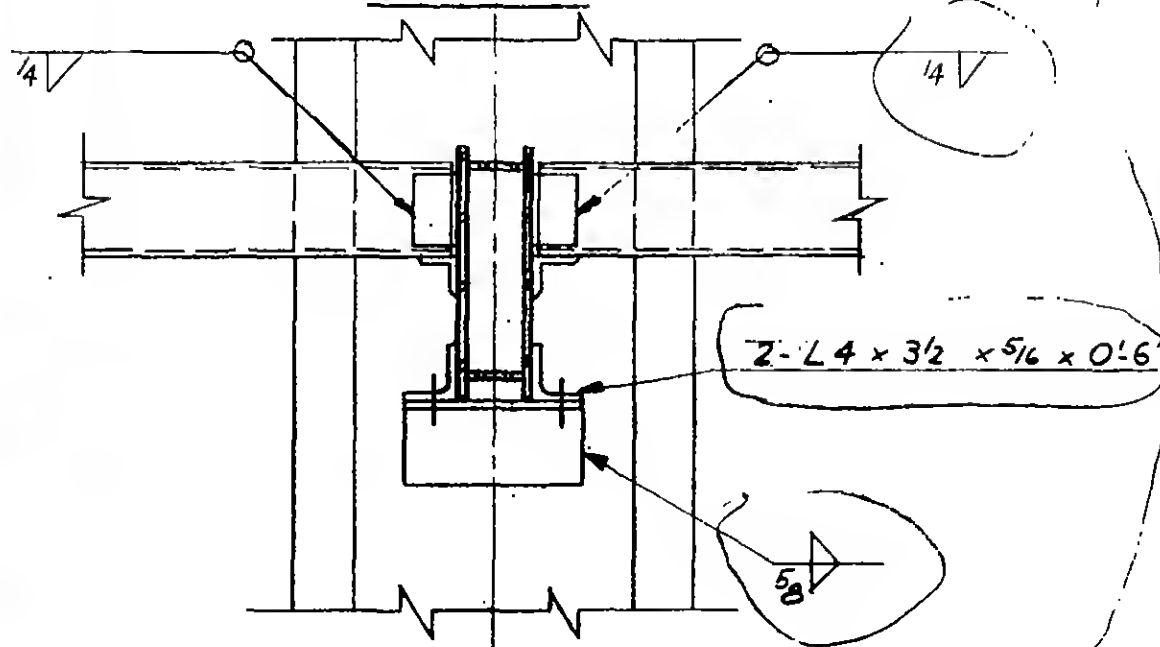
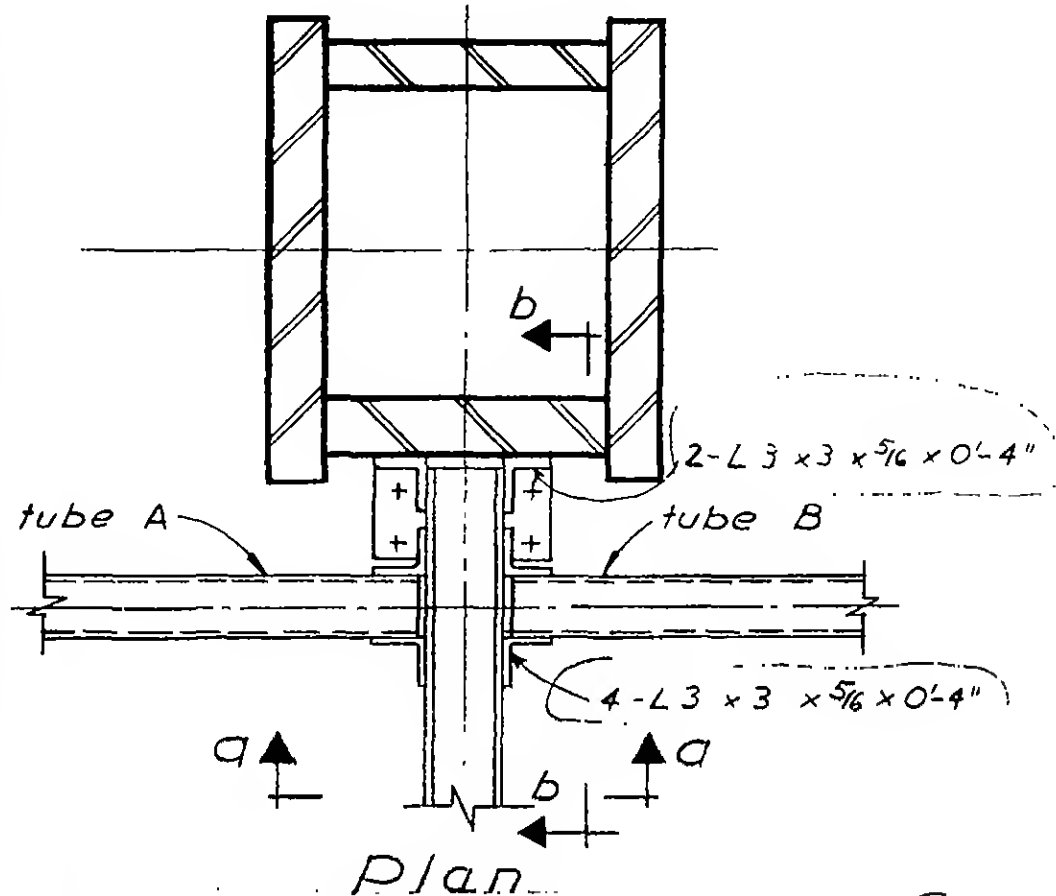
section c-c

6-ABI-190



REVISIONS

8-5-67



PROJECT

THE WORLD TRADE CENTER

TITLE

CONNECTION DETAIL

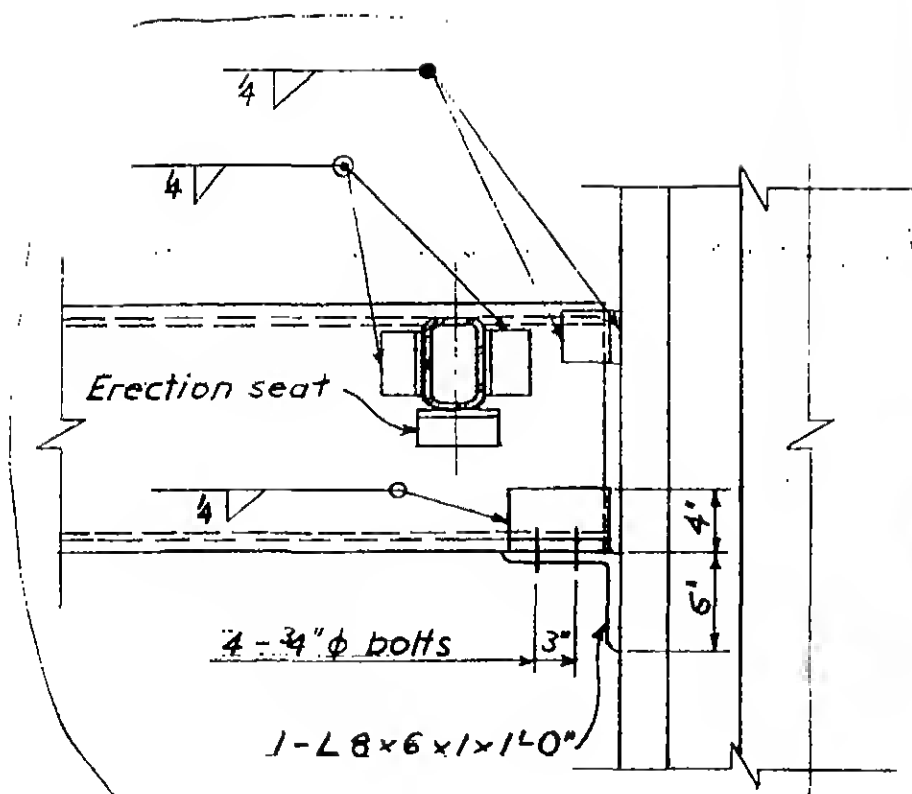
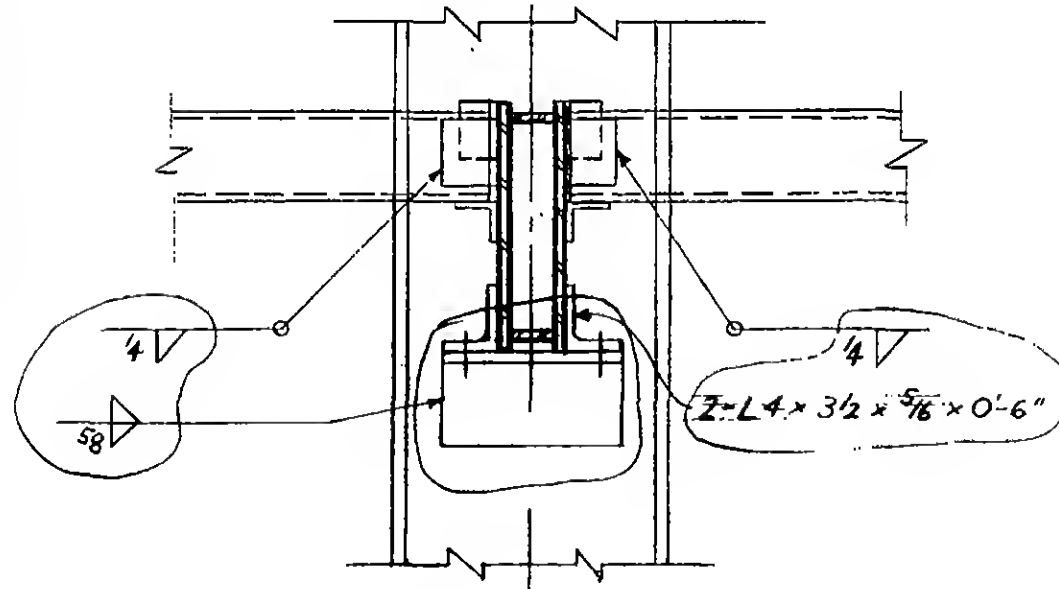
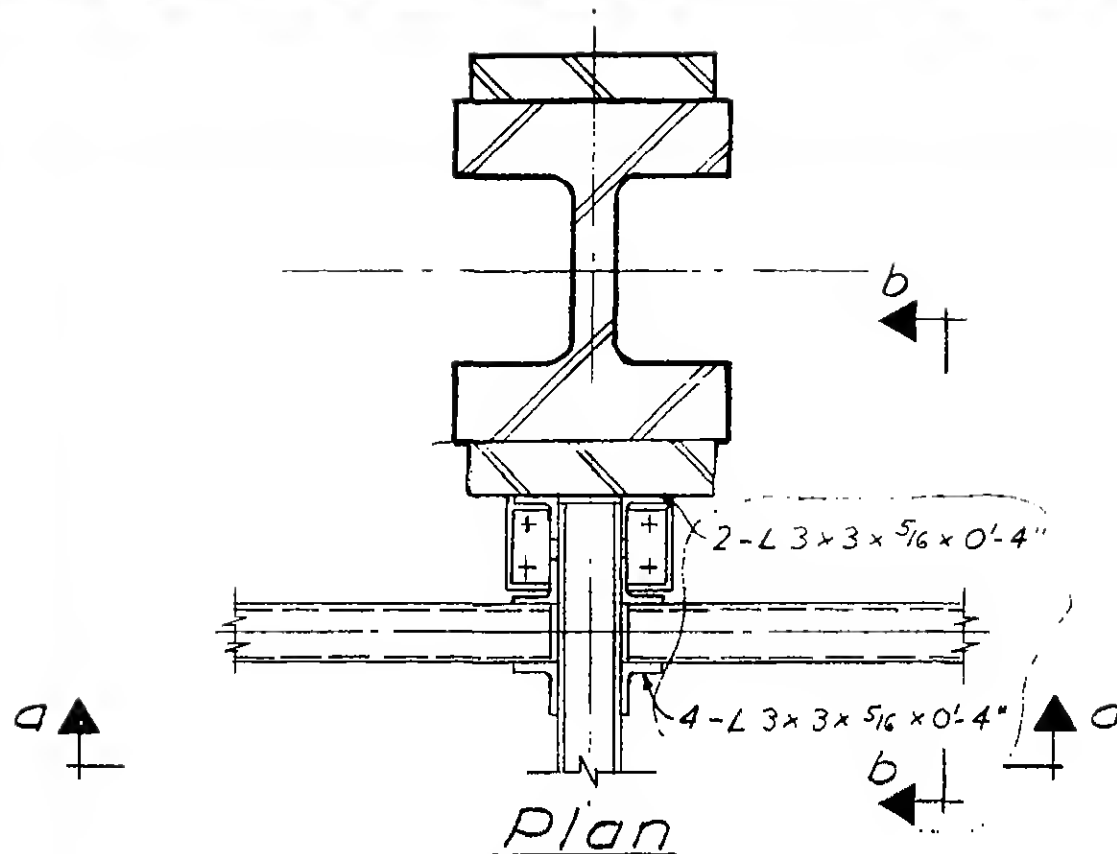
385 A

DATE

6-19-67

REVISIONS

8-14-67



G-ABI-192

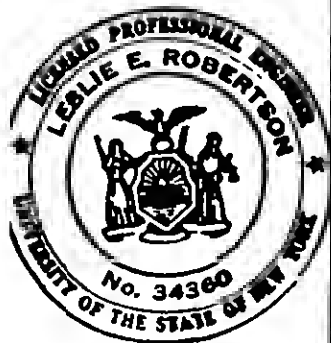
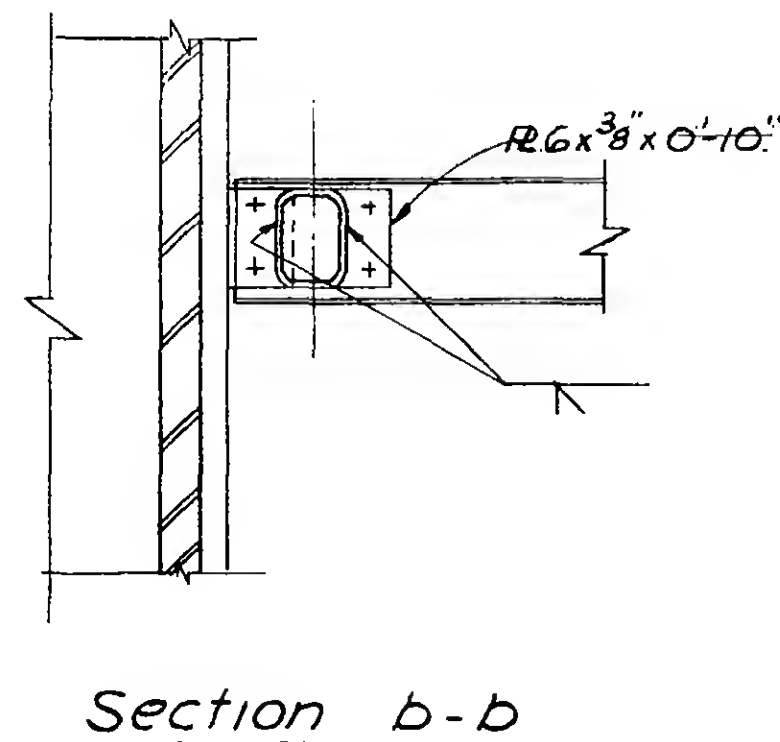
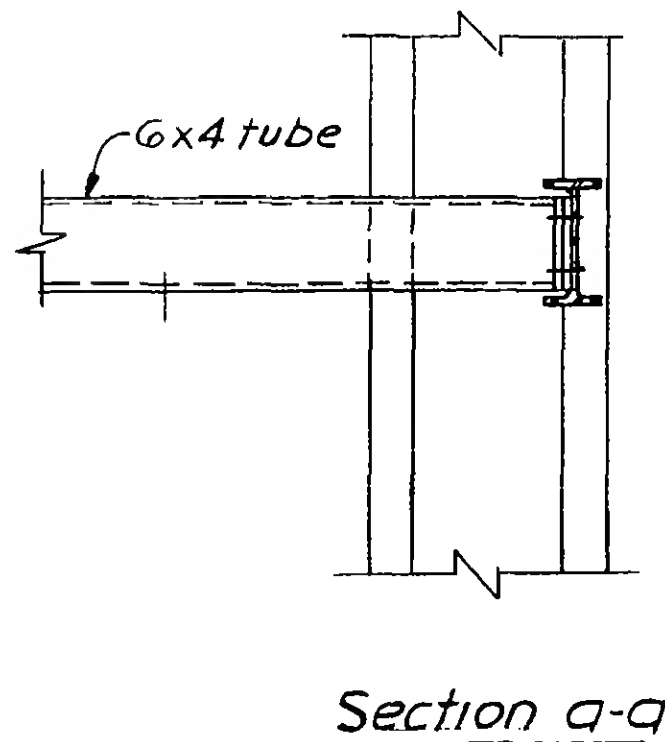
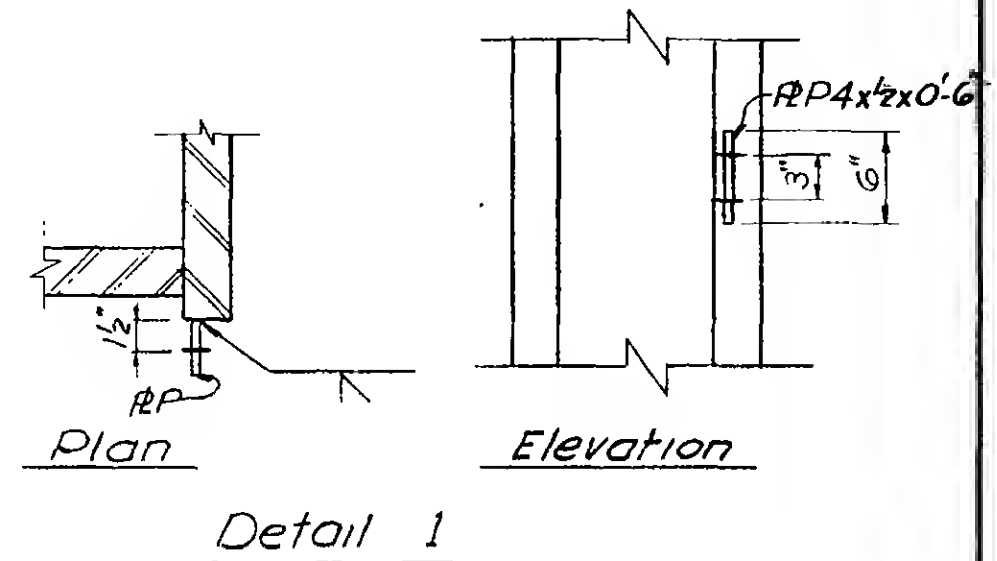
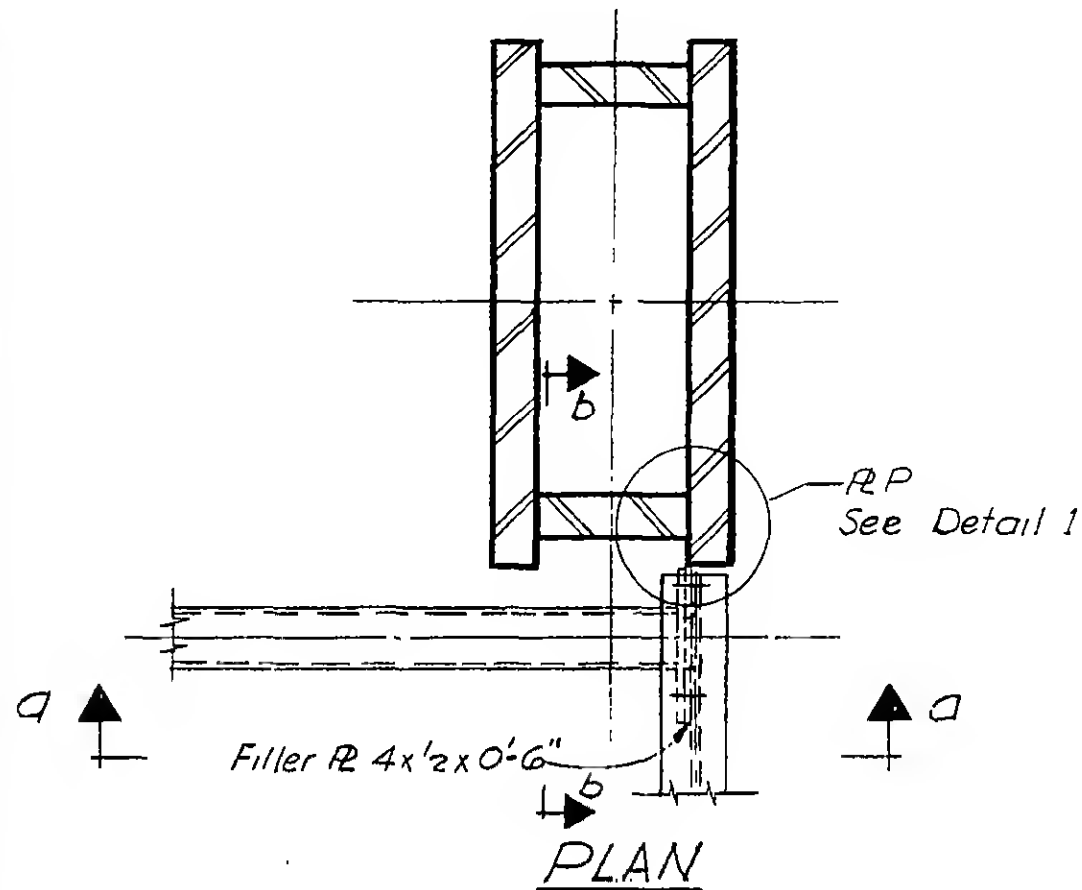
PROJECT **THE WORLD TRADE CENTER**

TITLE **CONNECTION DETAIL 386A**

DATE **6-19-67**

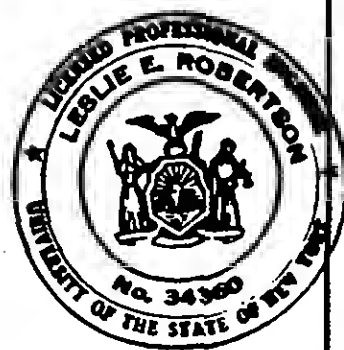
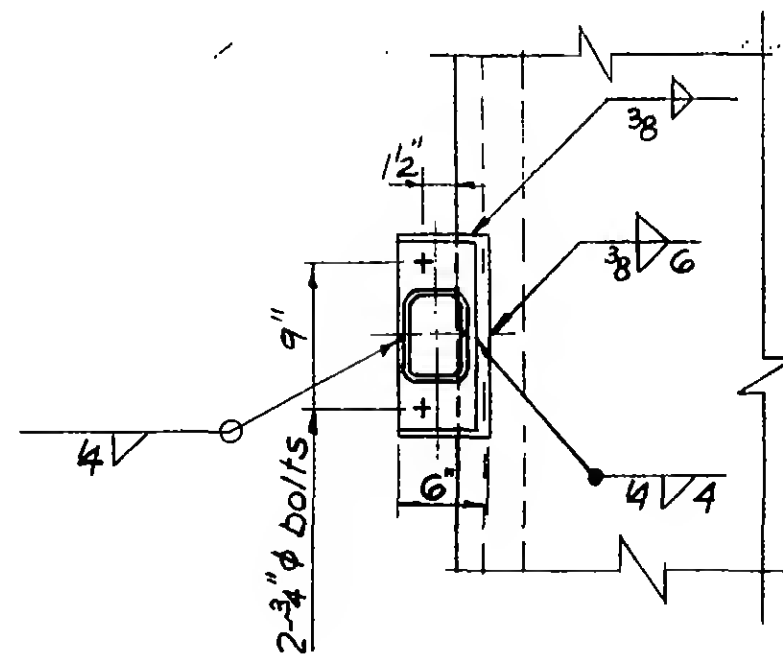
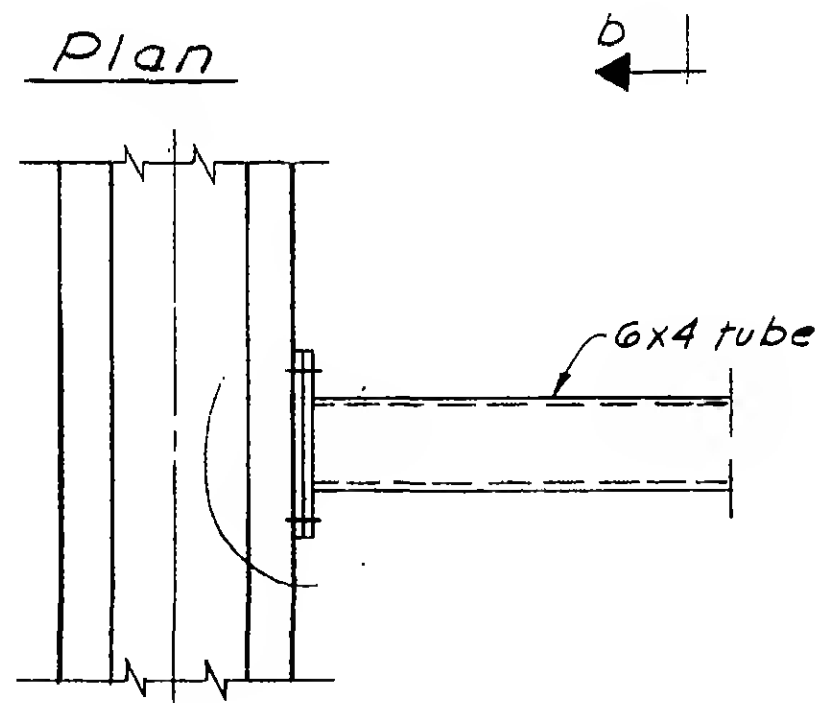
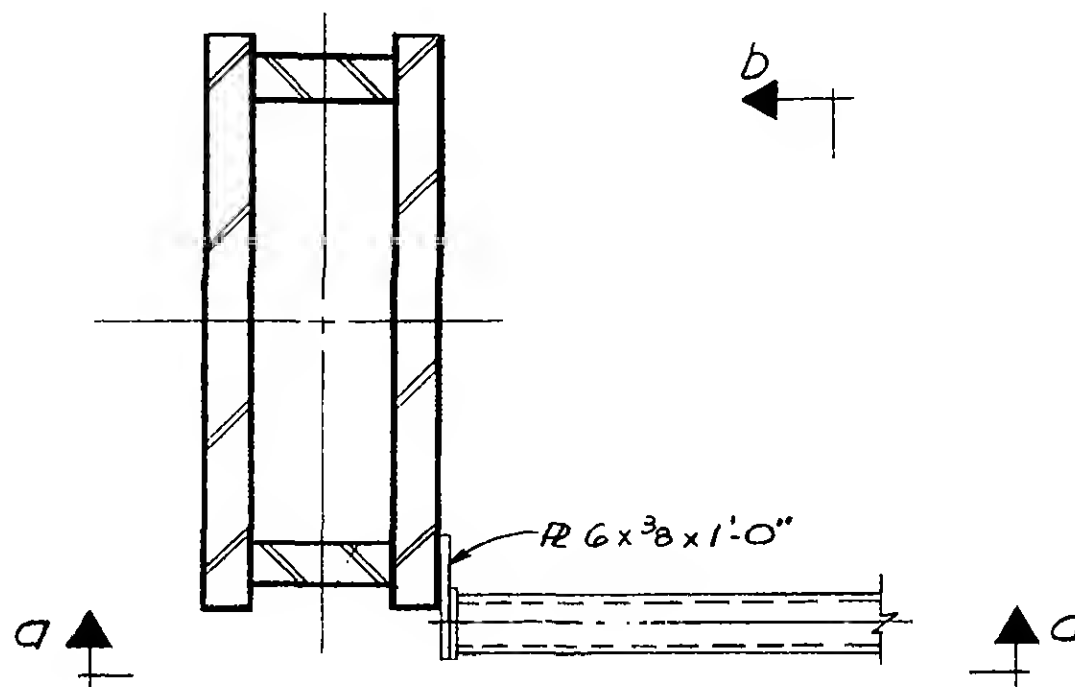
REVISIONS

8-5-67



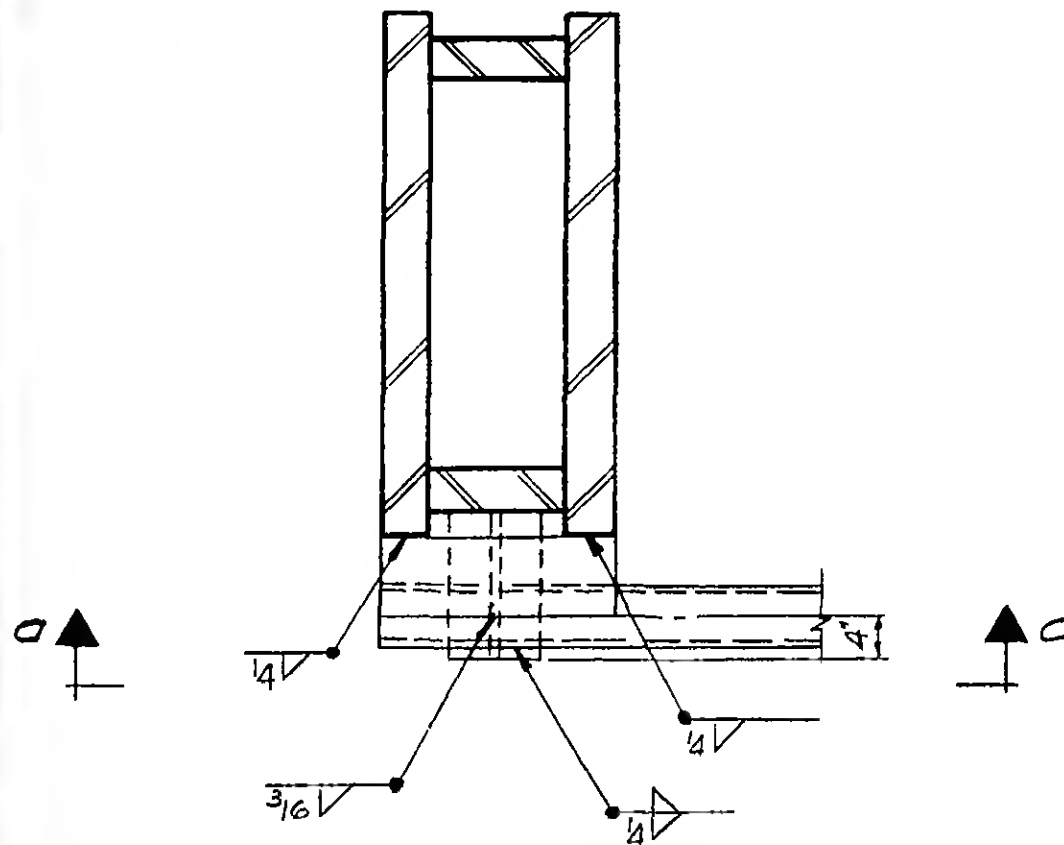
REVISIONS

8-5-67

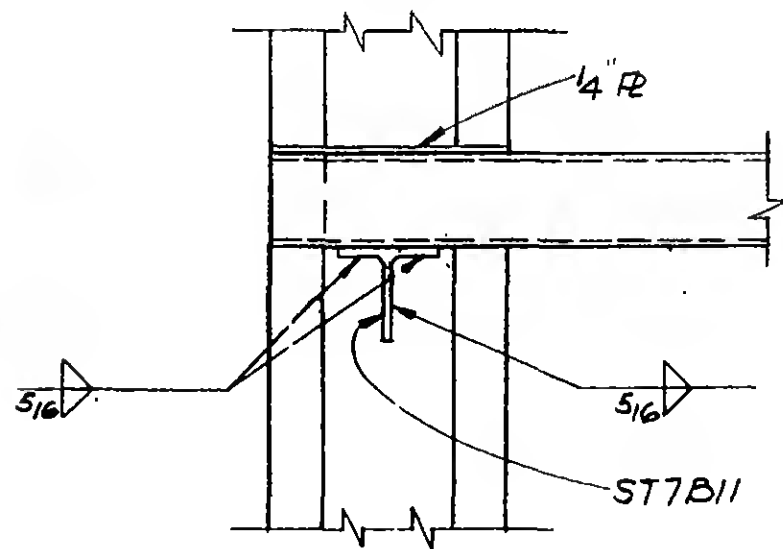


REVISIONS

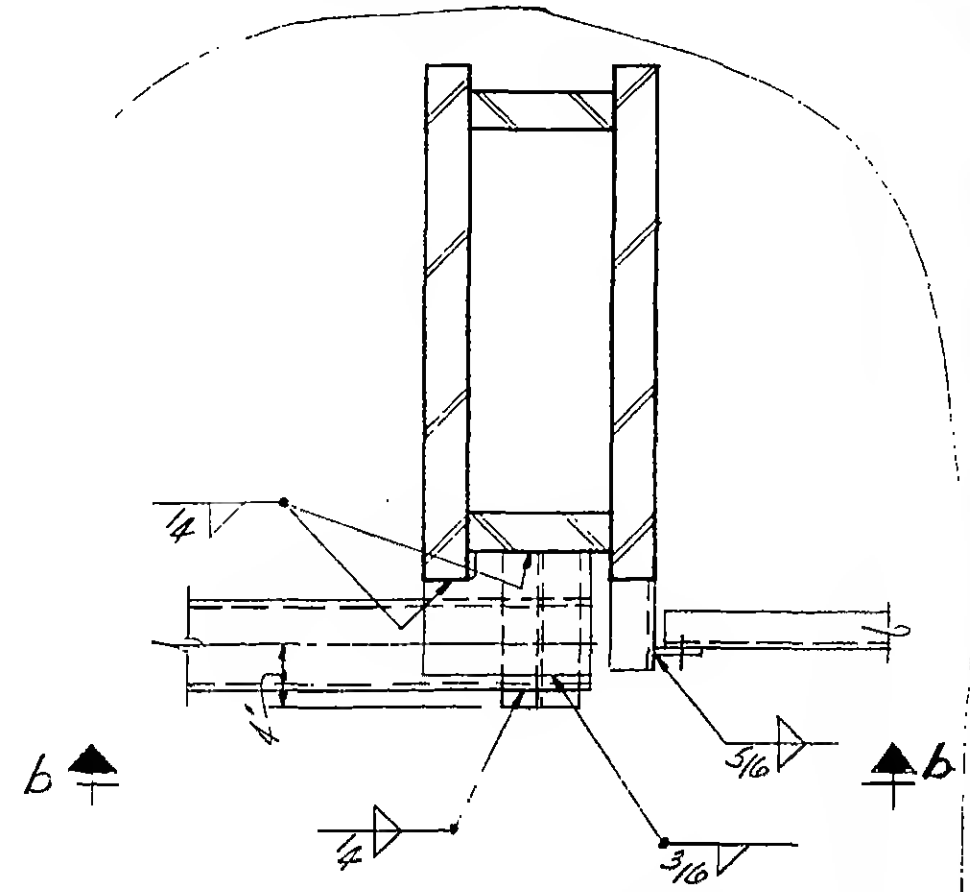
8-14-67
7-17-68



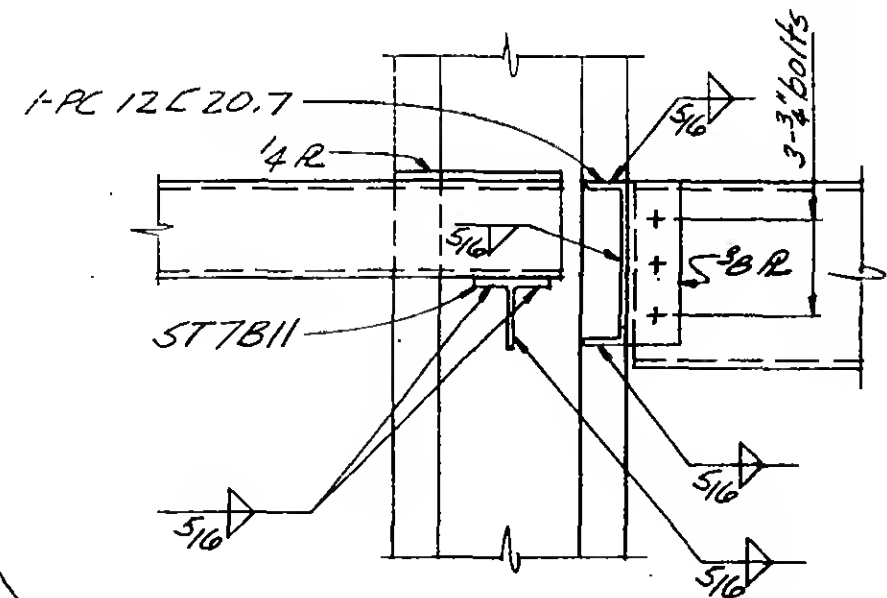
PLAN 338A



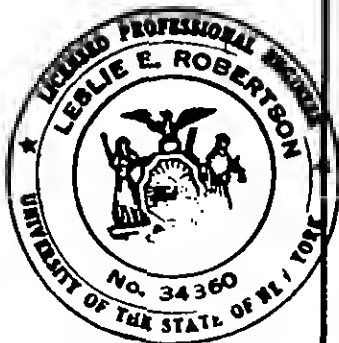
Section a-a



PLAN 338B



Section b-b



WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

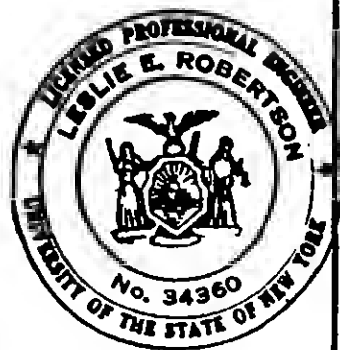
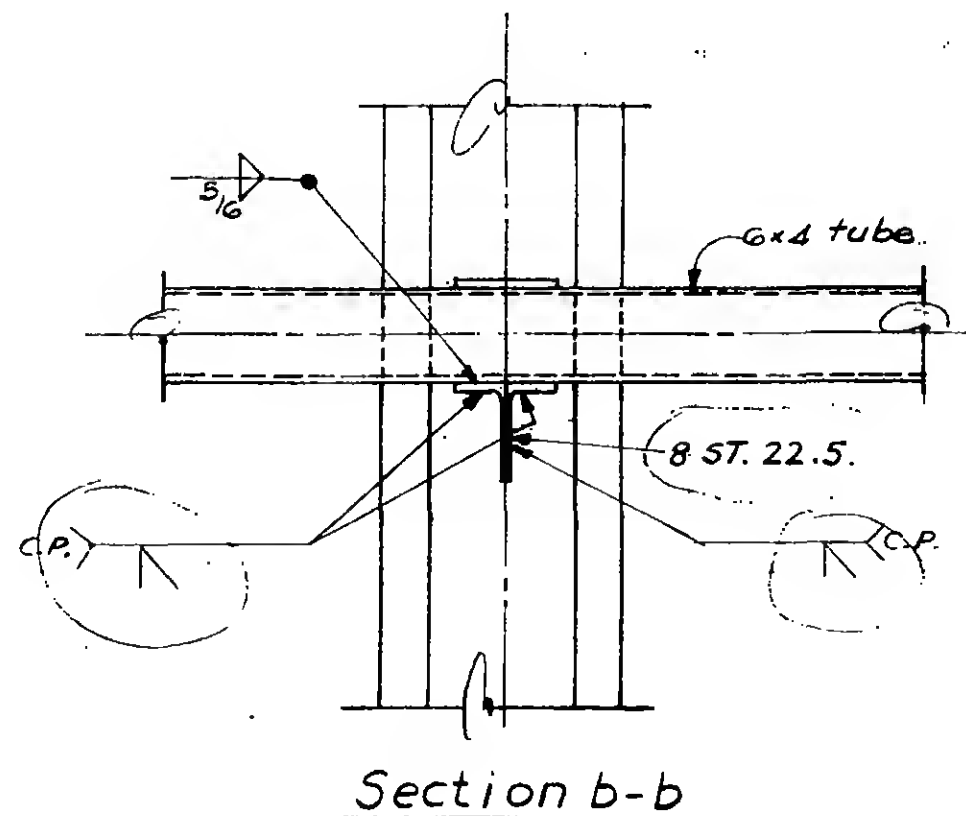
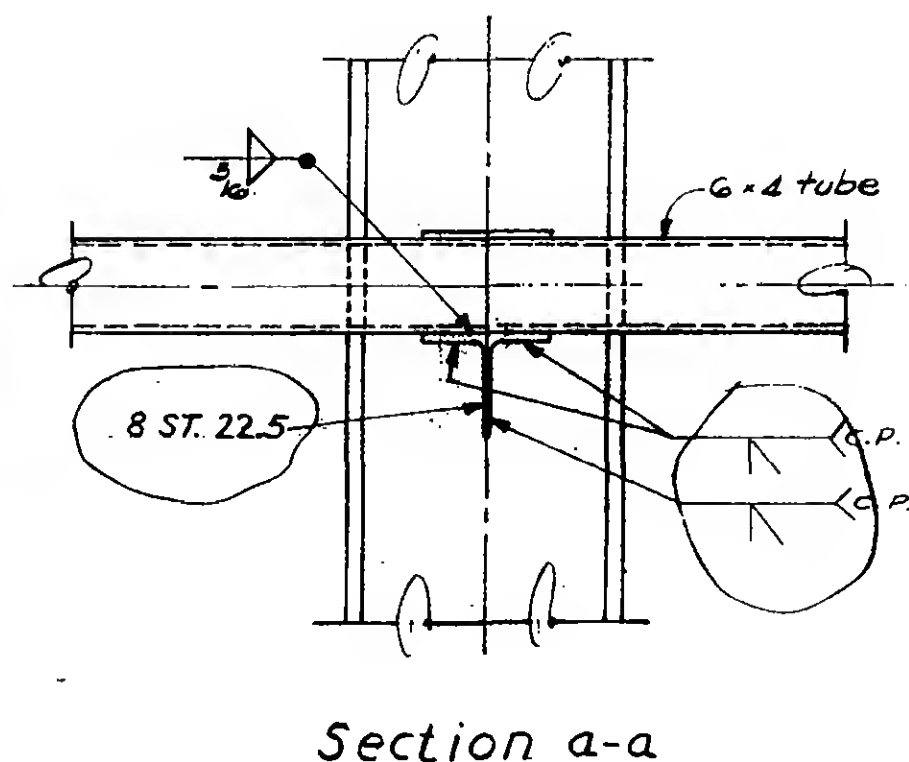
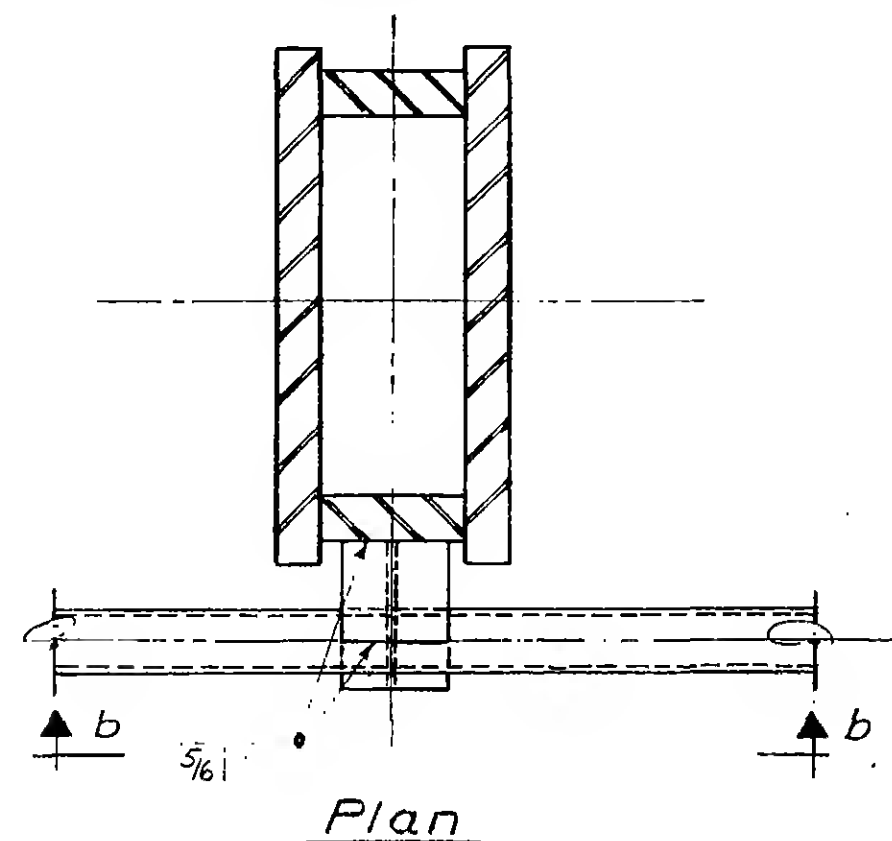
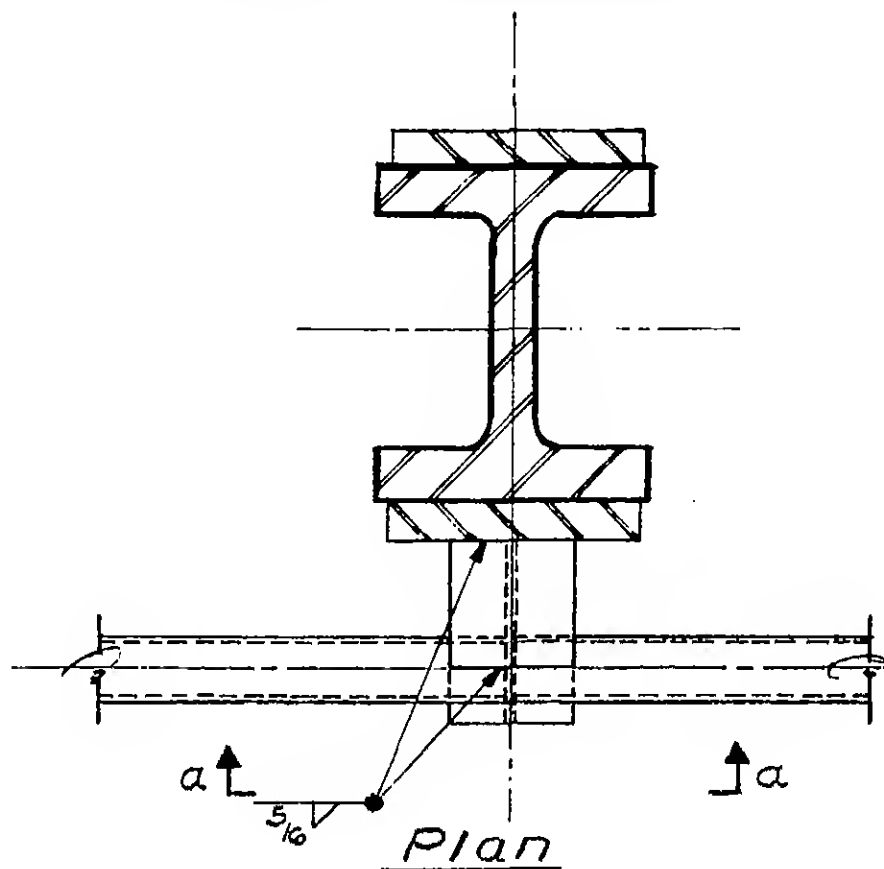
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 389

DATE 6-19-67

REVISIONS

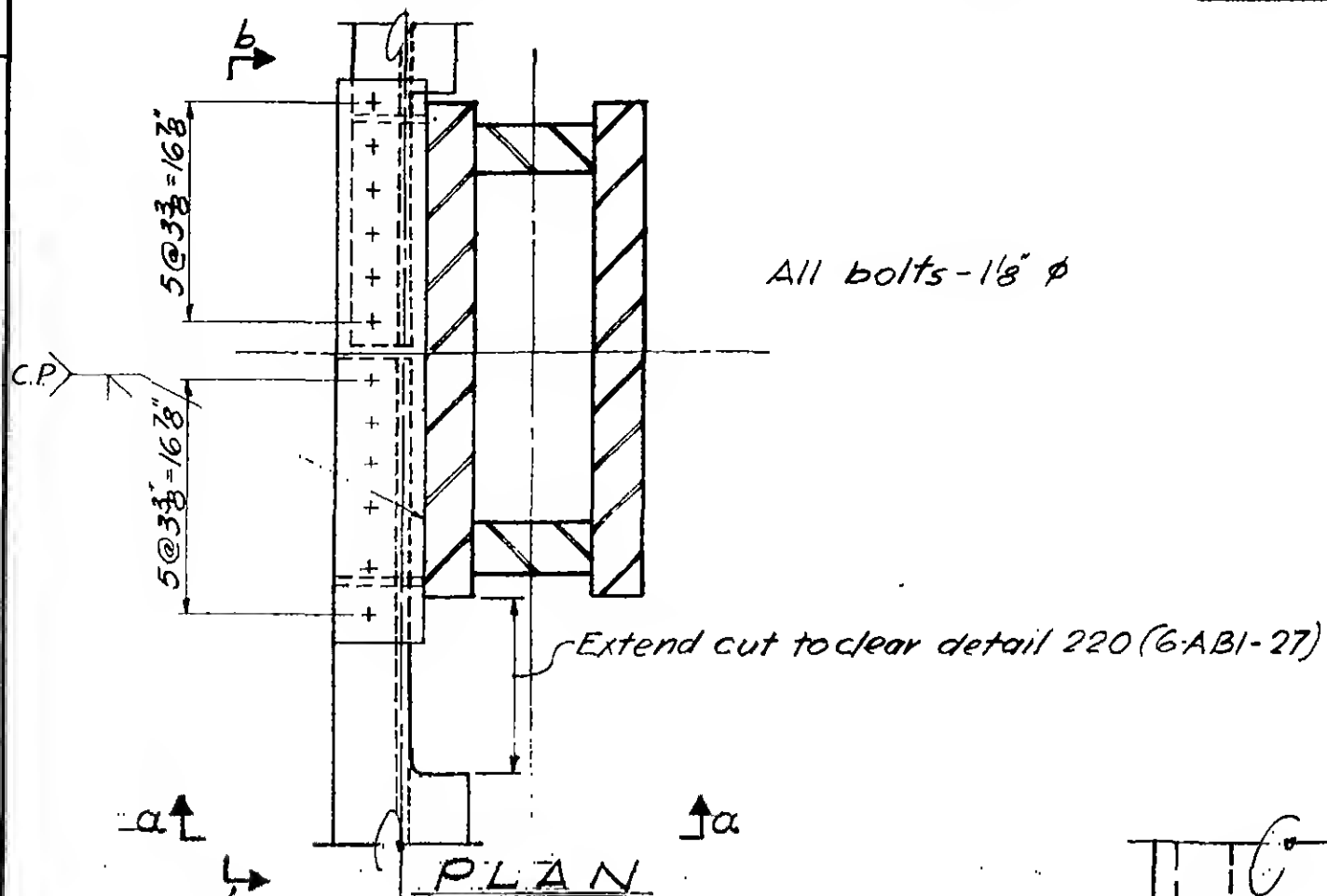
8-5-67



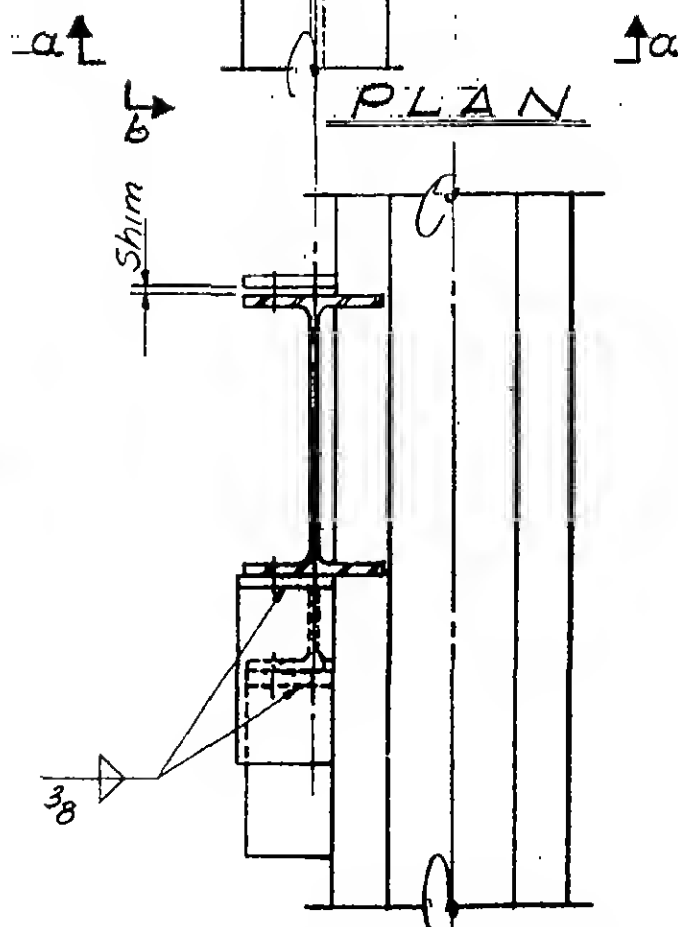
G-AB1-196

REVISIONS

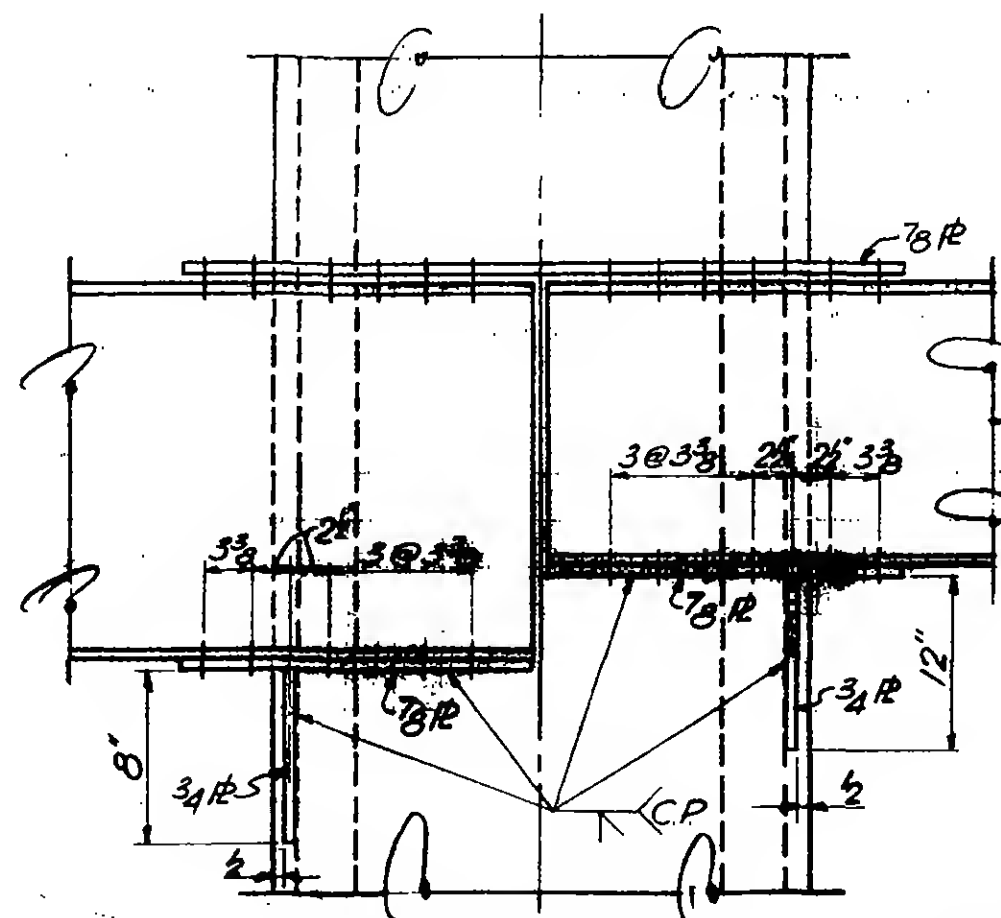
8-5-67



PLAN



SECTION a-a

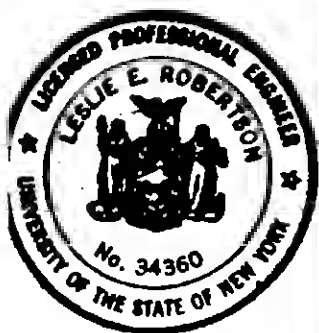
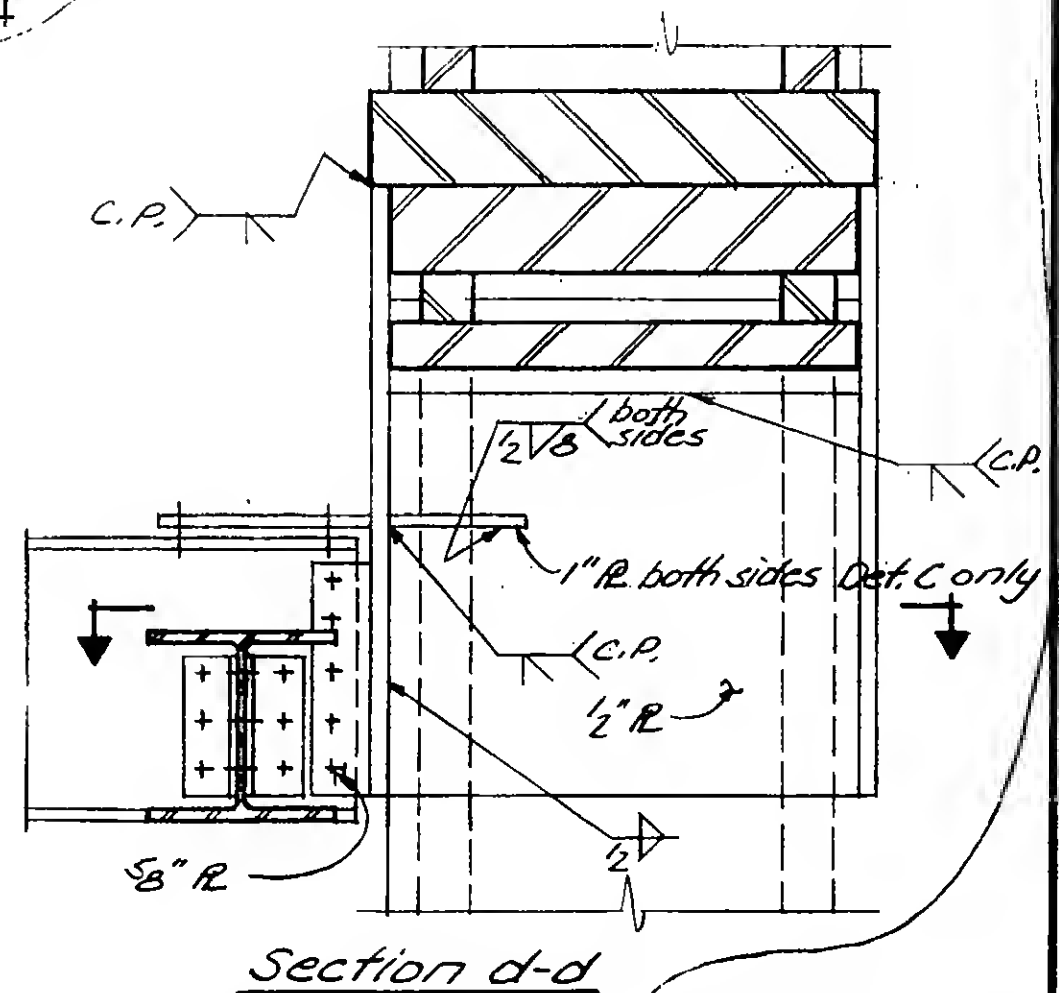
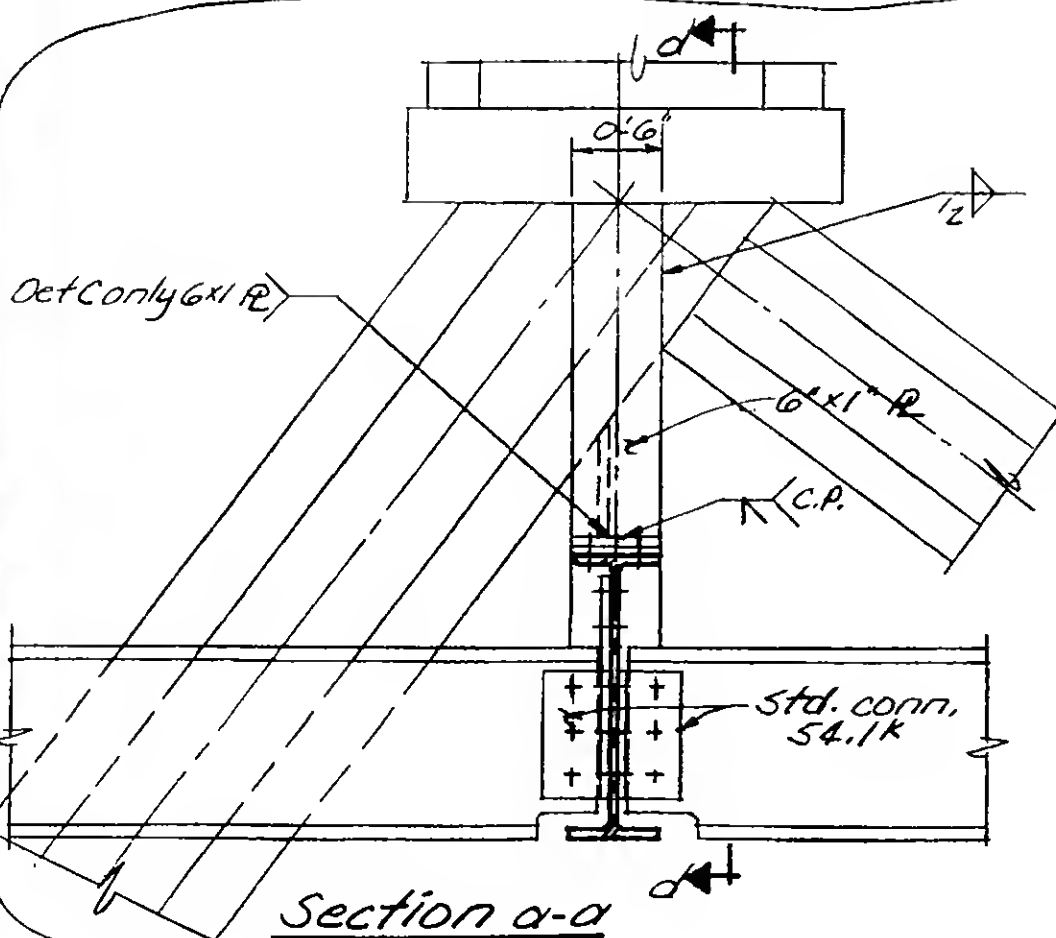
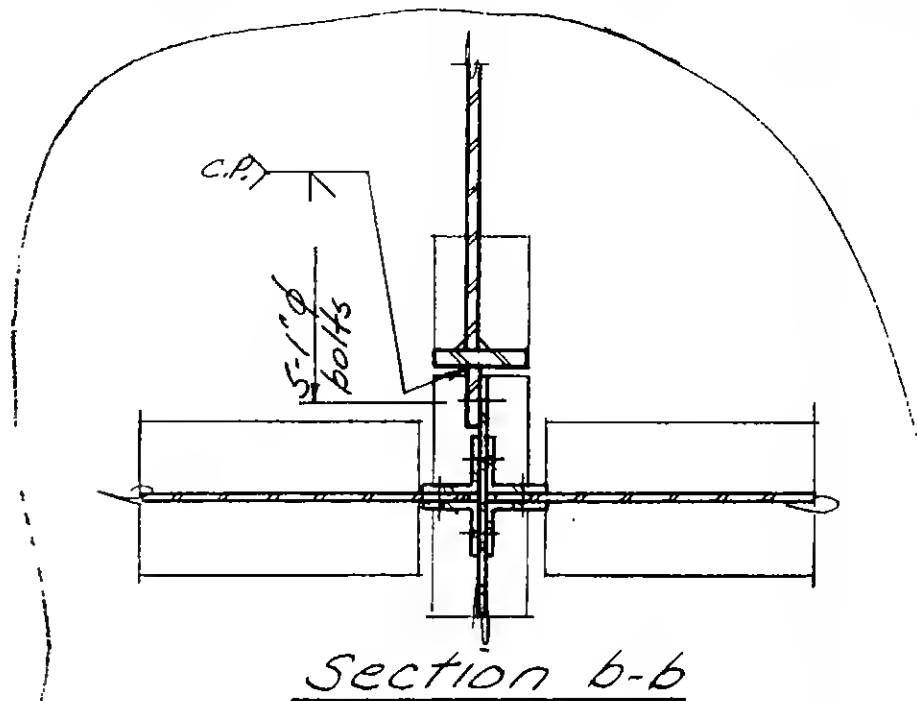
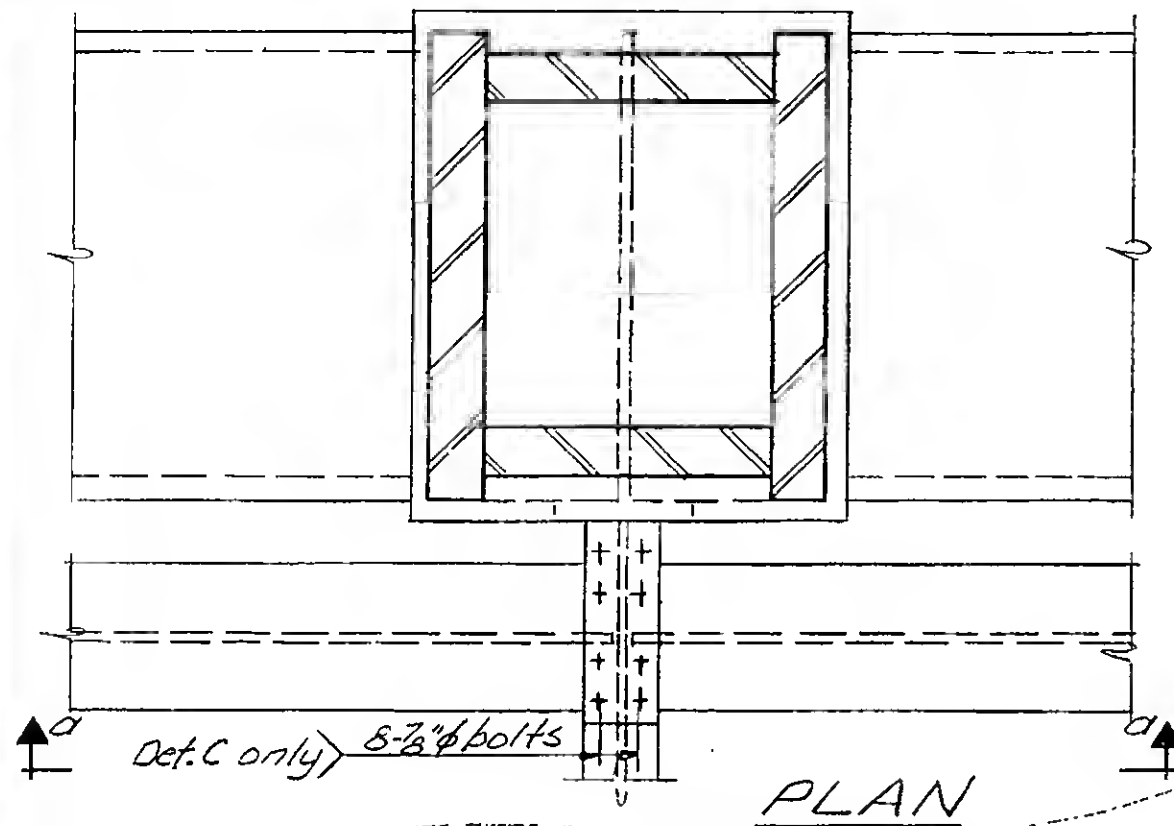


SECTION 6-b

6-481-197

PROJECT *THE WORLD TRADE CENTER*TITLE *CONNECTION DETAIL 391A,C*DATE *2-9-68*

REVISIONS

7-17-68

DESIGNED

DRAWN

REVIEWED

6-AB1-198

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

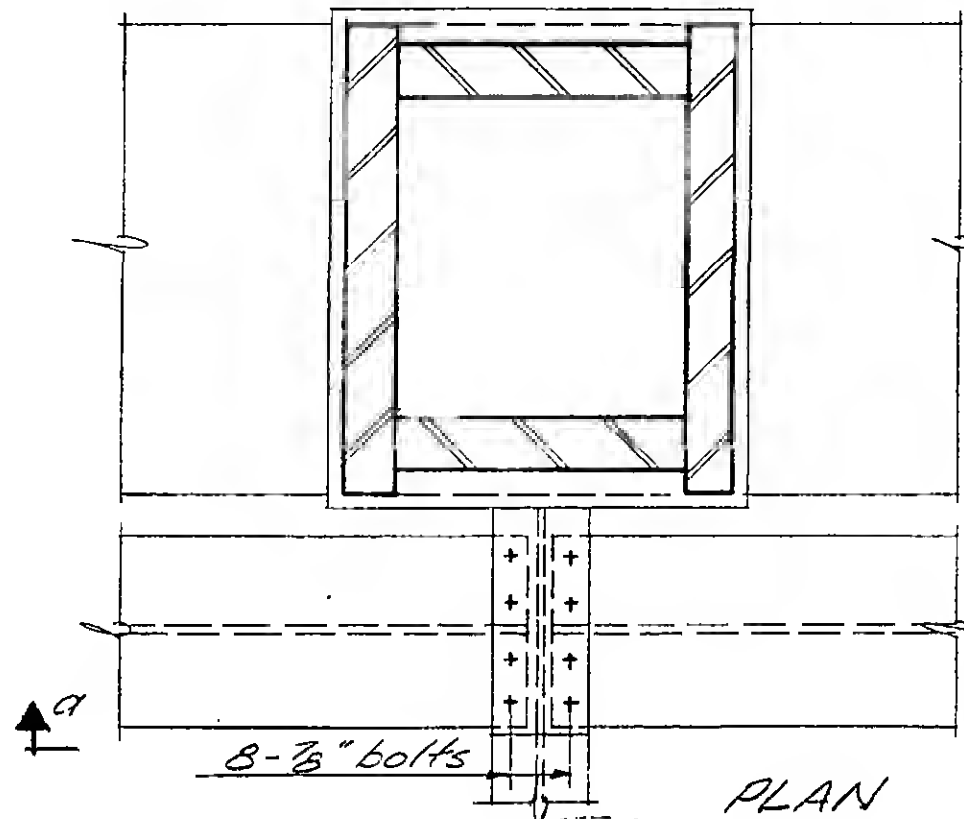
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 391B

DATE 2-9-68

REVISIONS

7-17-68

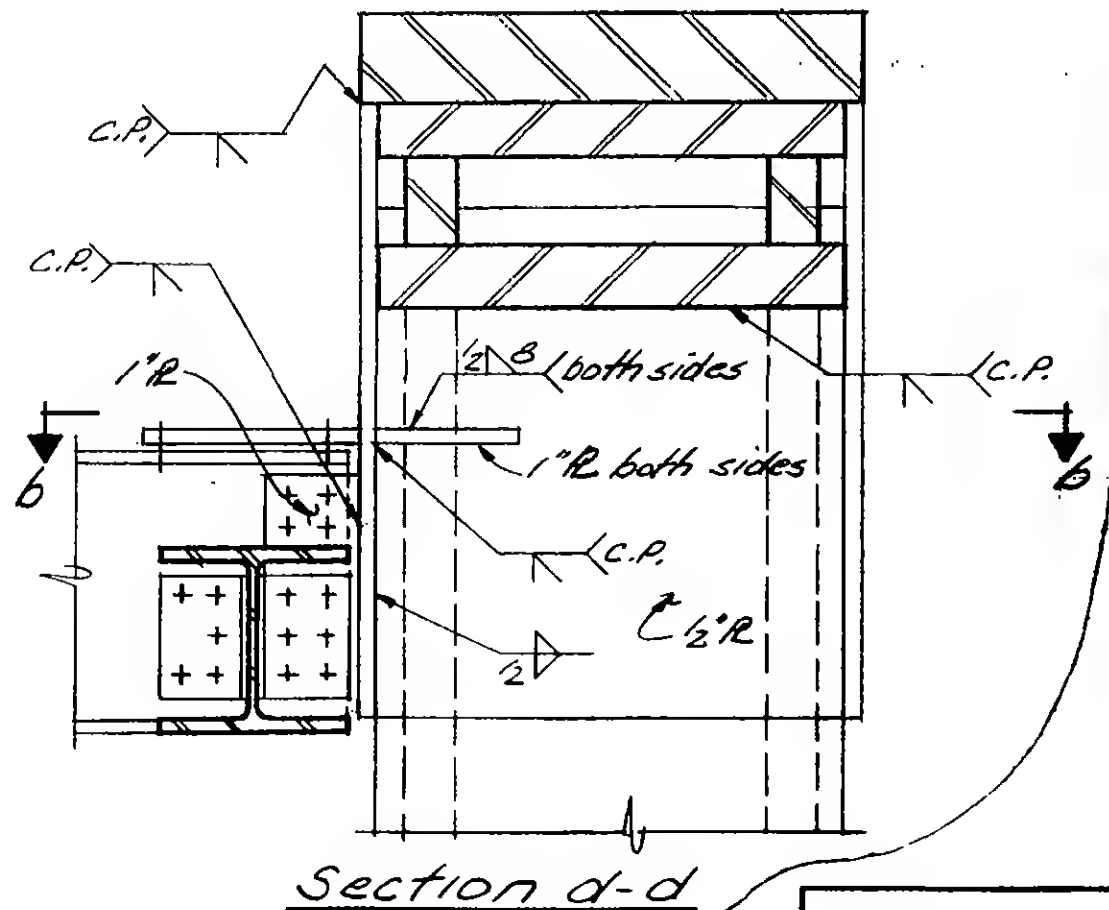
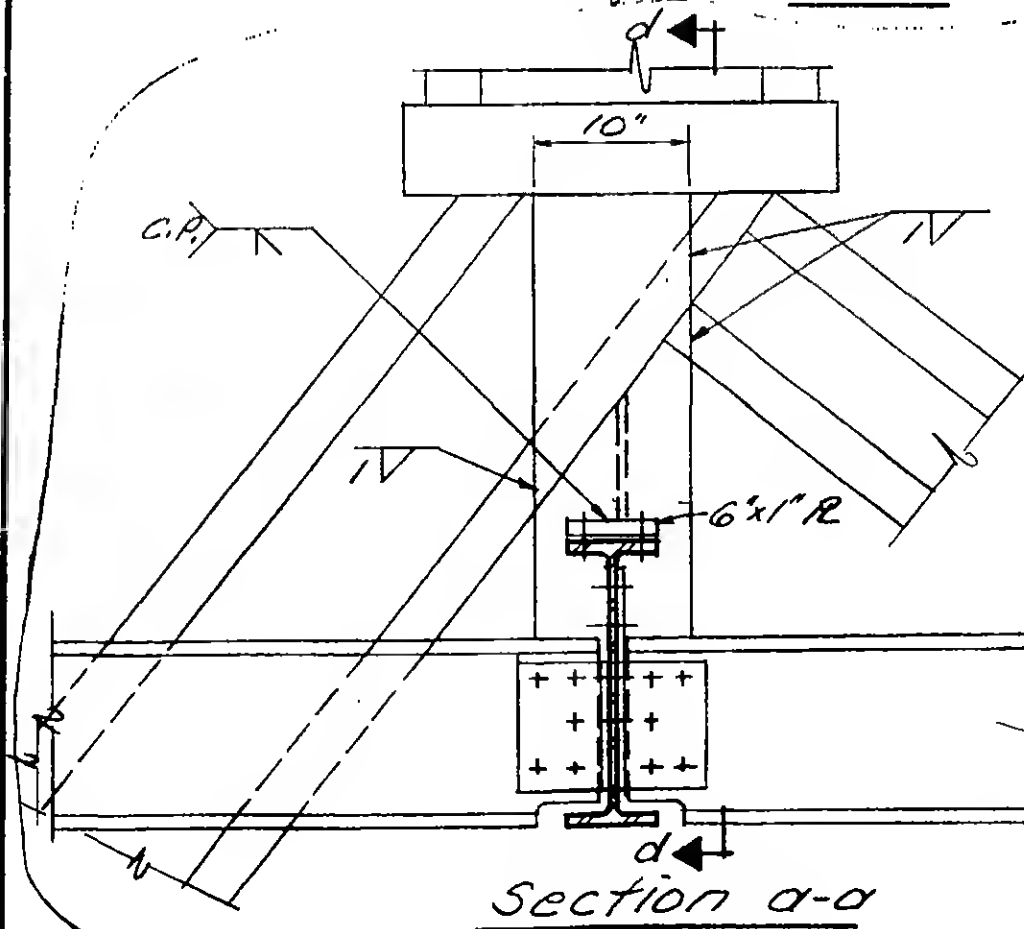


3-L6x6x1/2x0-8 1/2"

5-7/8" φ bolts
ea. leg except
as otherwise noted

1-L8x6x1/2x0-8 1/2"

Section b-b



DESIGNED

DRAWN

REVIEWED

G-ABI-198.1

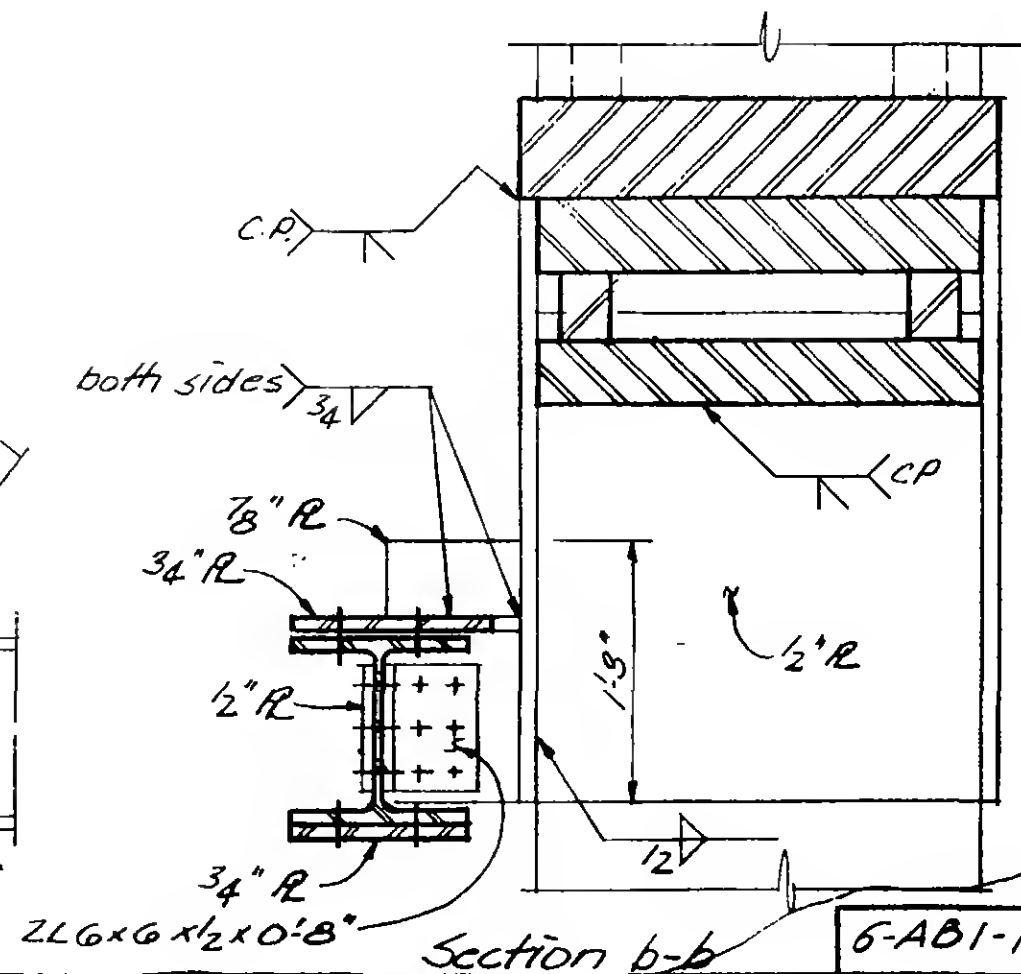
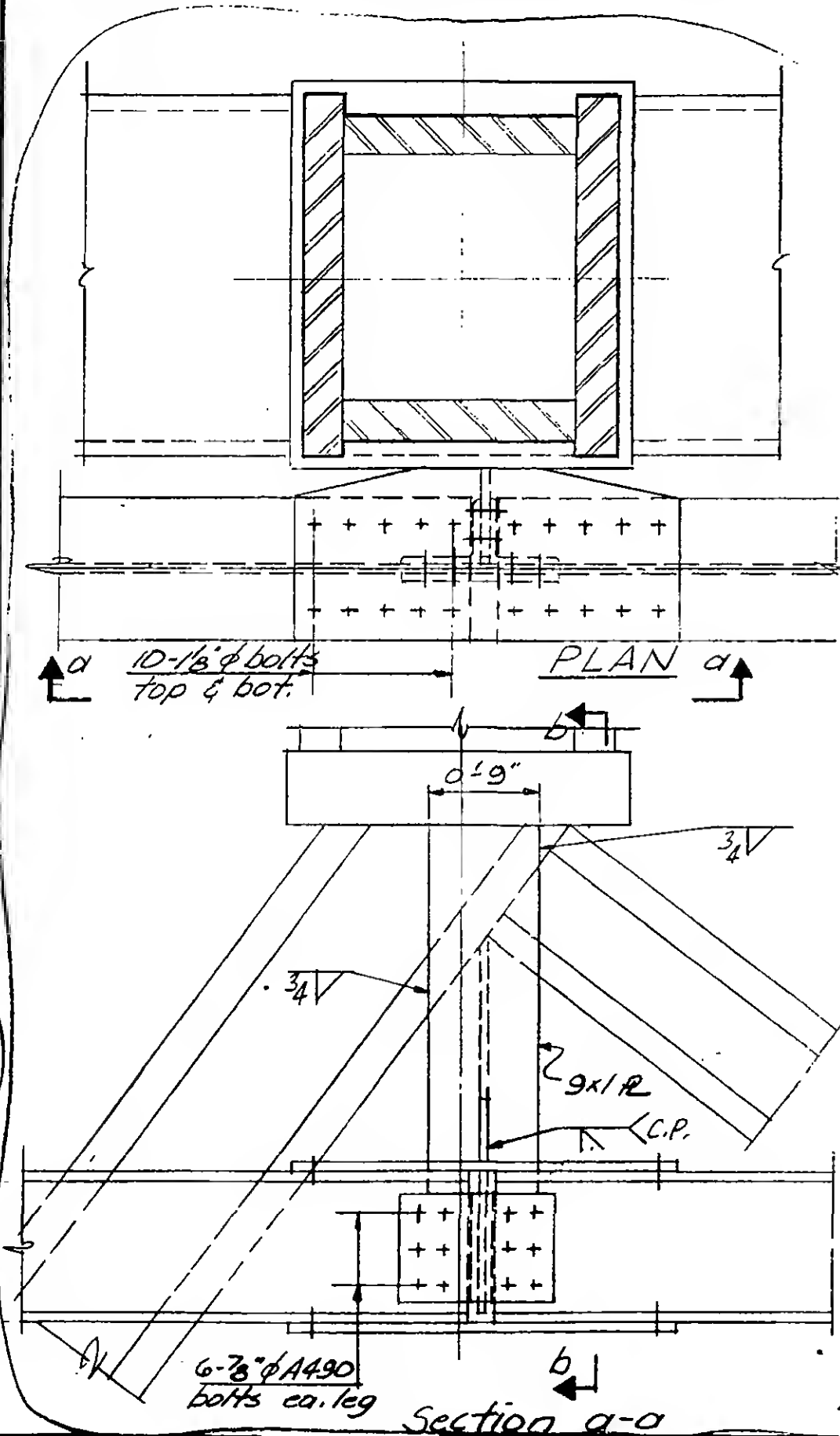
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 391D

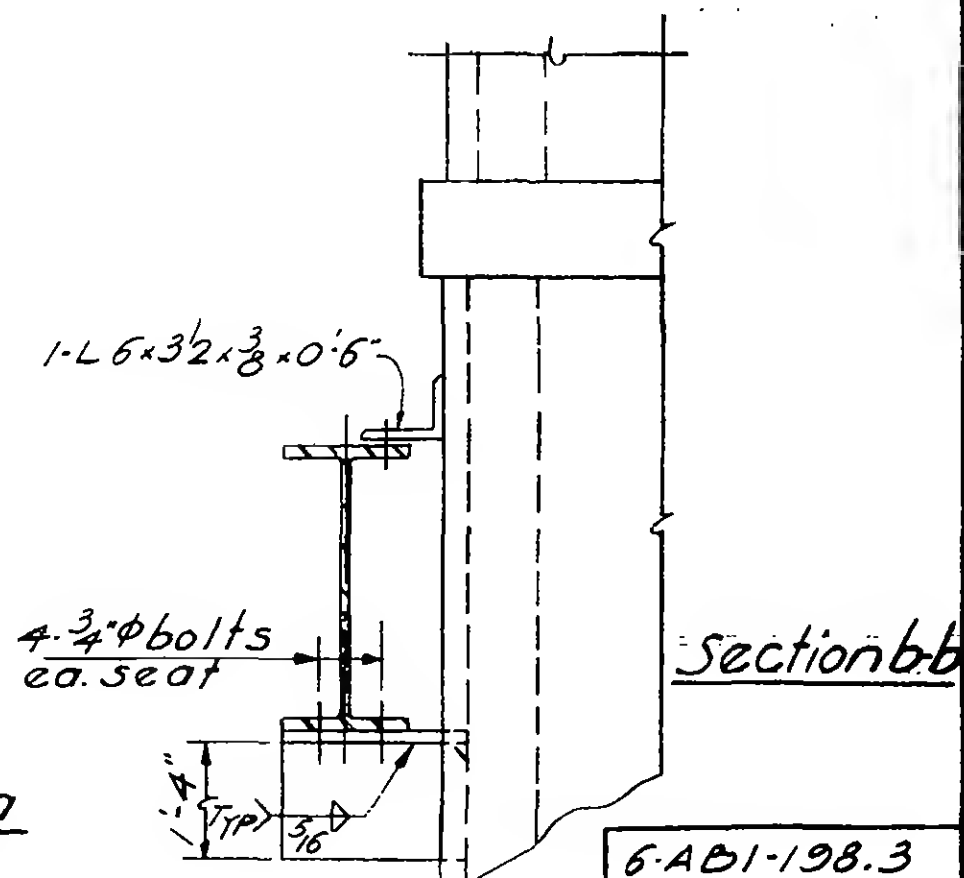
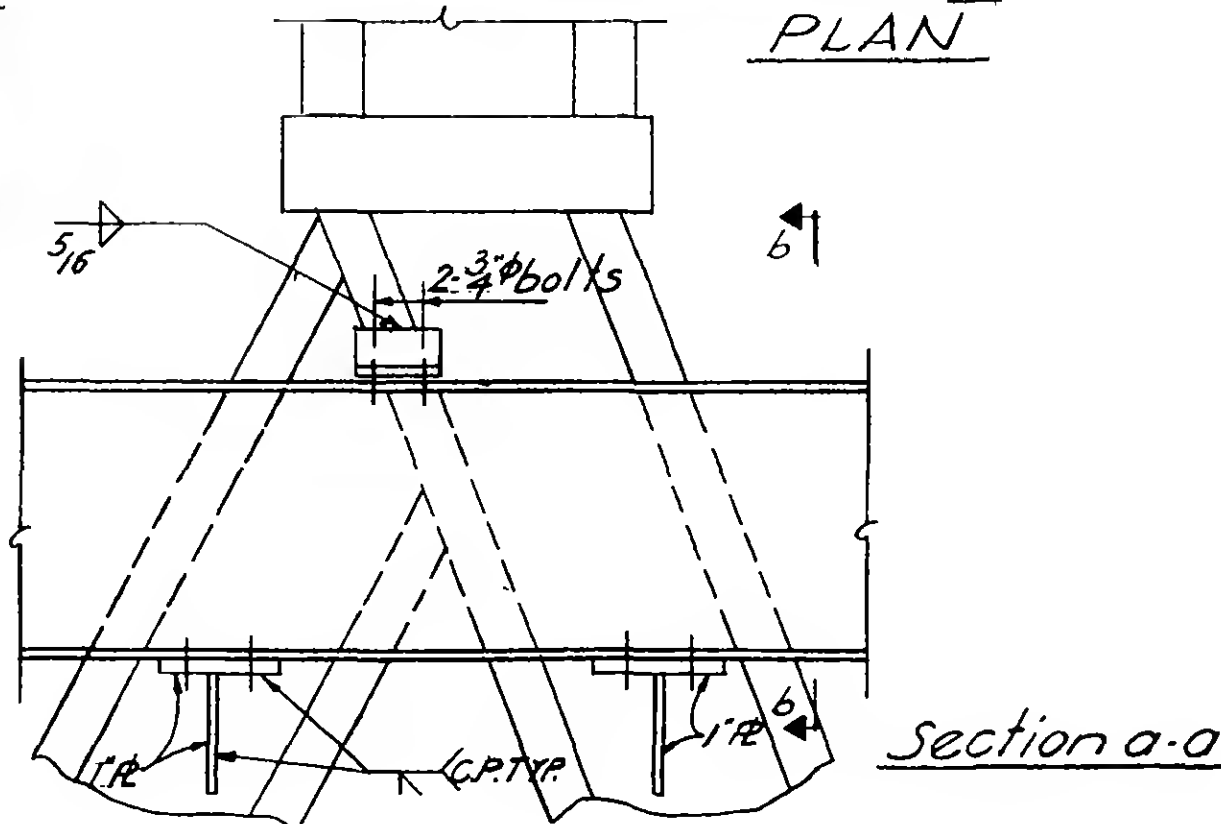
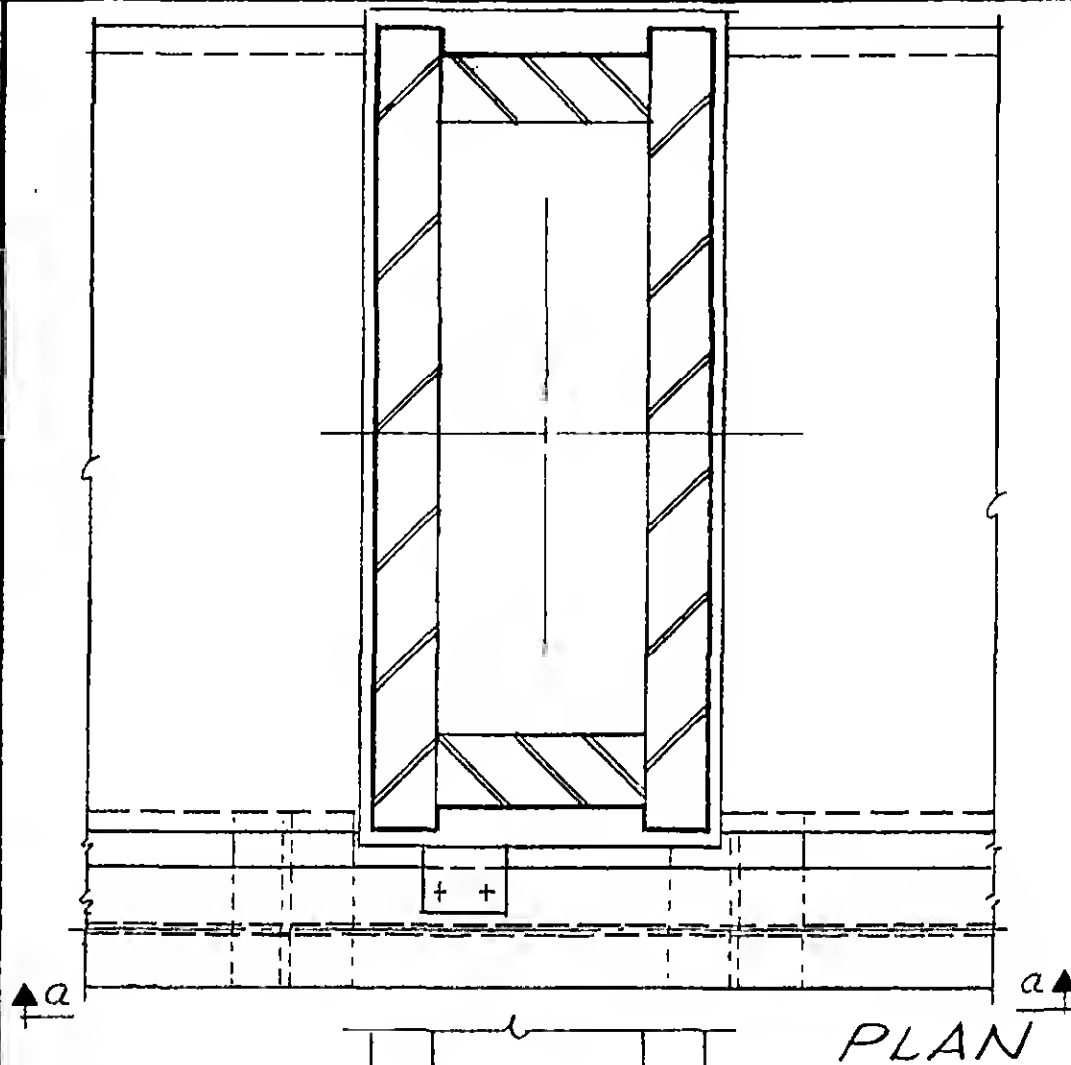
DATE 2-9-68

REVISIONS

7-17-68



REVISIONS



6-AB1-198.3

PROJECT *THE WORLD TRADE CENTER*TITLE *CONNECTION DETAIL 391 F, G*DATE *2-9-68*

REVISIONS

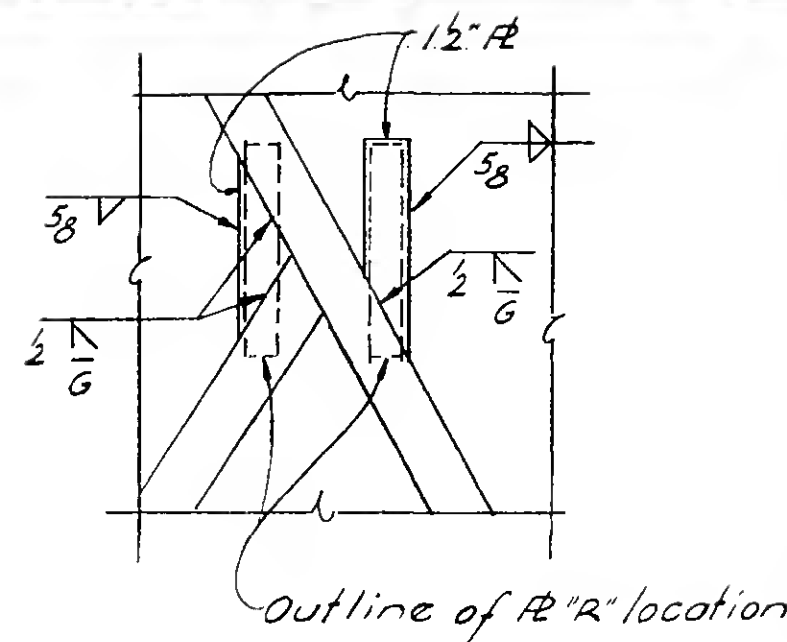
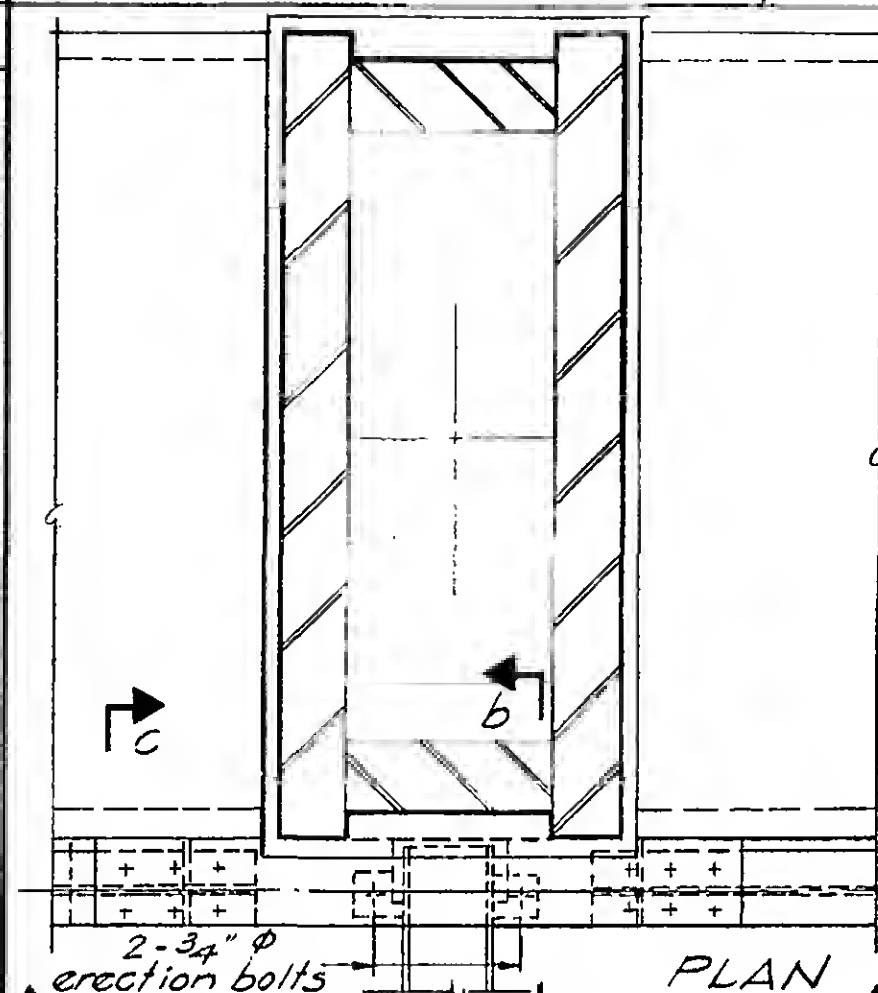
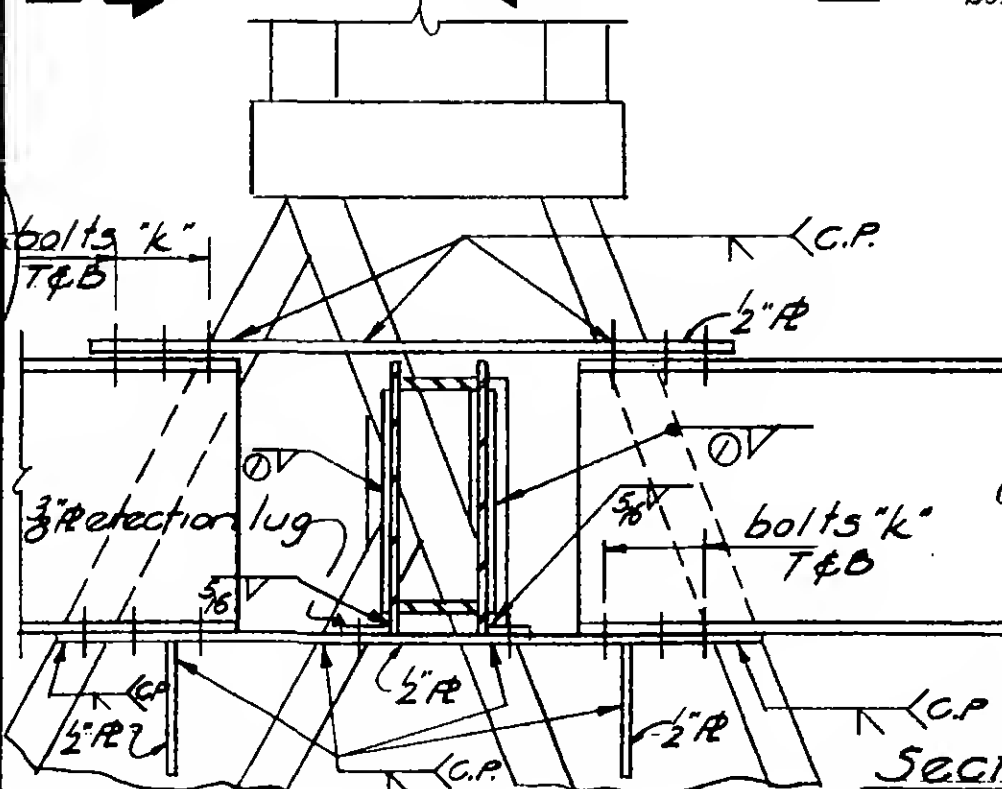
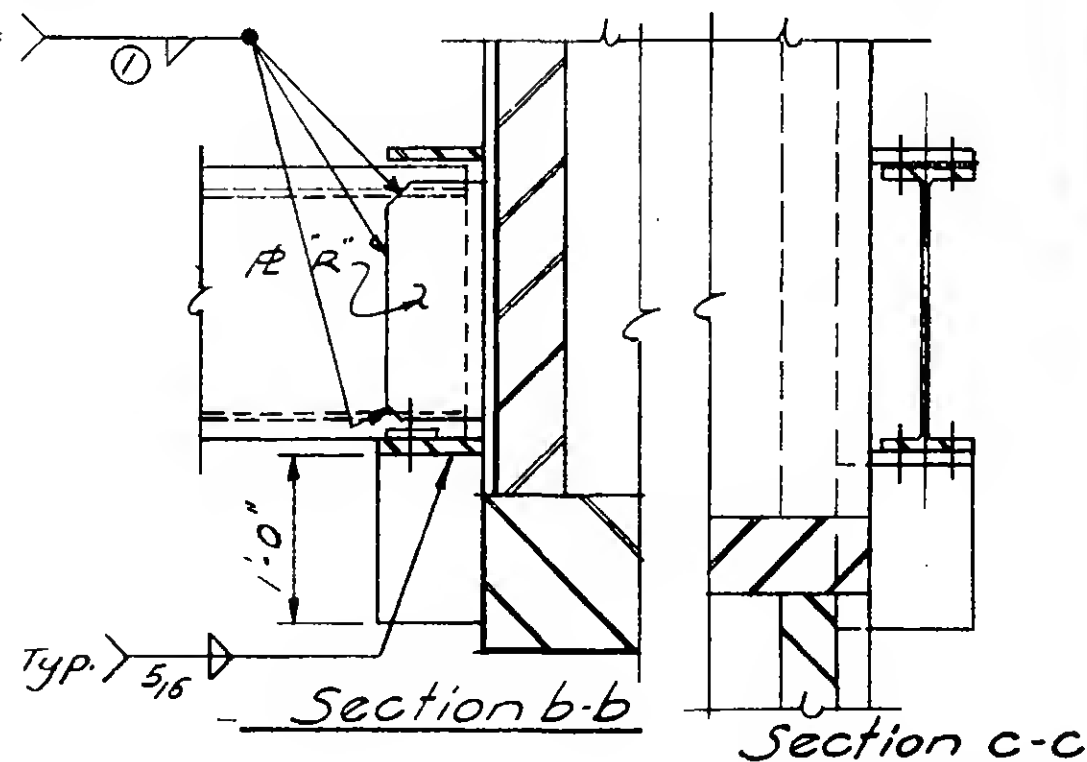


	Plate "R"	bolts "k"	Weld ①
Det. F	4 x 58 x 1'-2"	6-3/4" Ø	58
Det. G	4 x 34 x 1'-2"	6-1" Ø	34

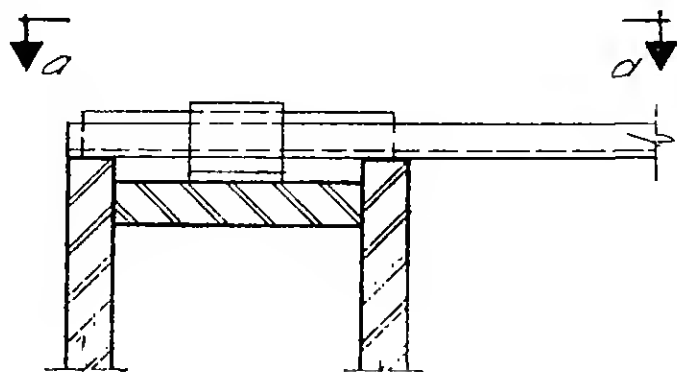


Both plates

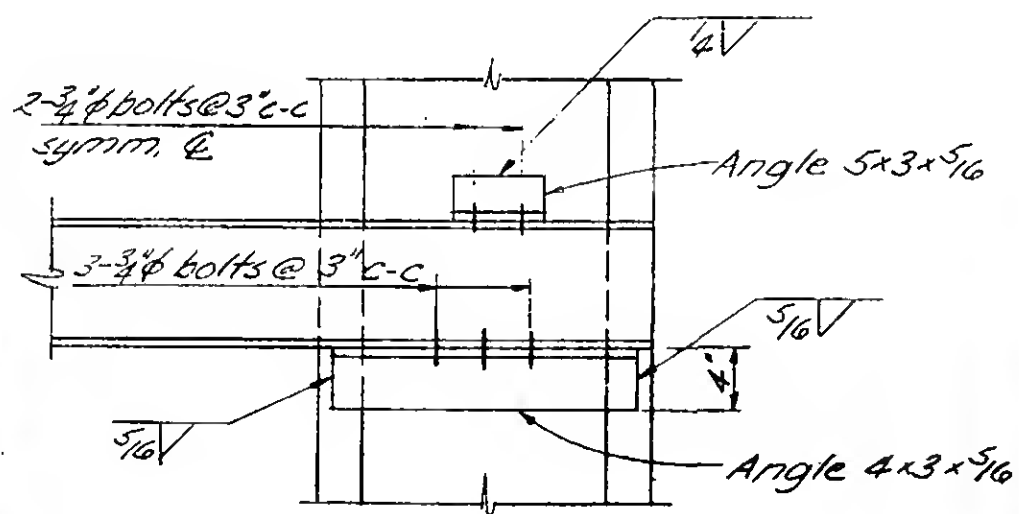


6-AB1-198.4

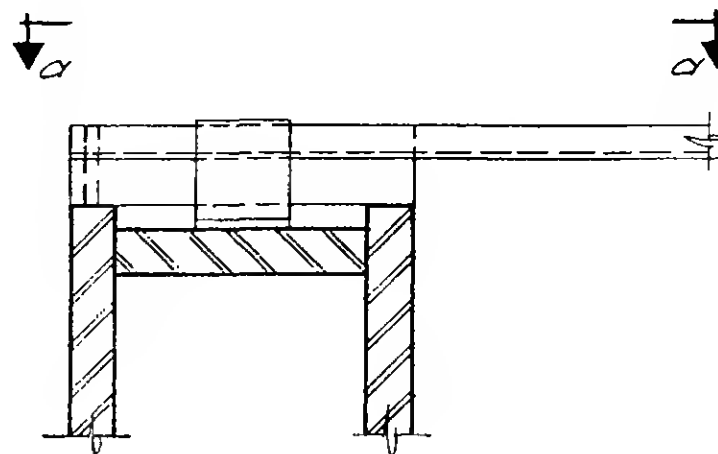
REVISIONS



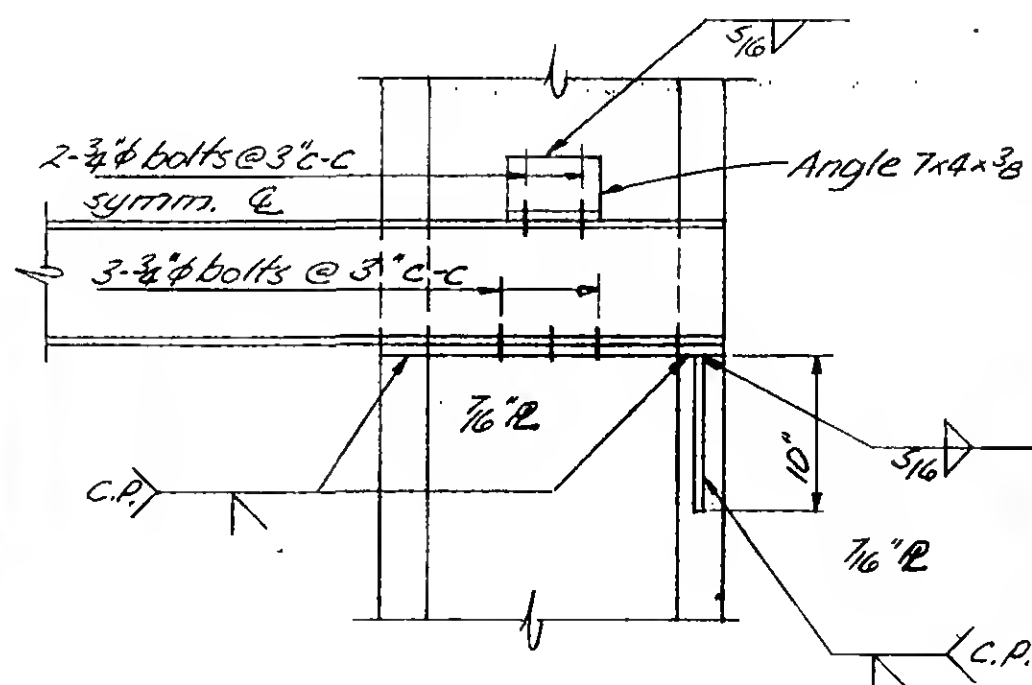
Plan
Detail 392A



Section a-a



Plan
Detail 392B



Section a-a



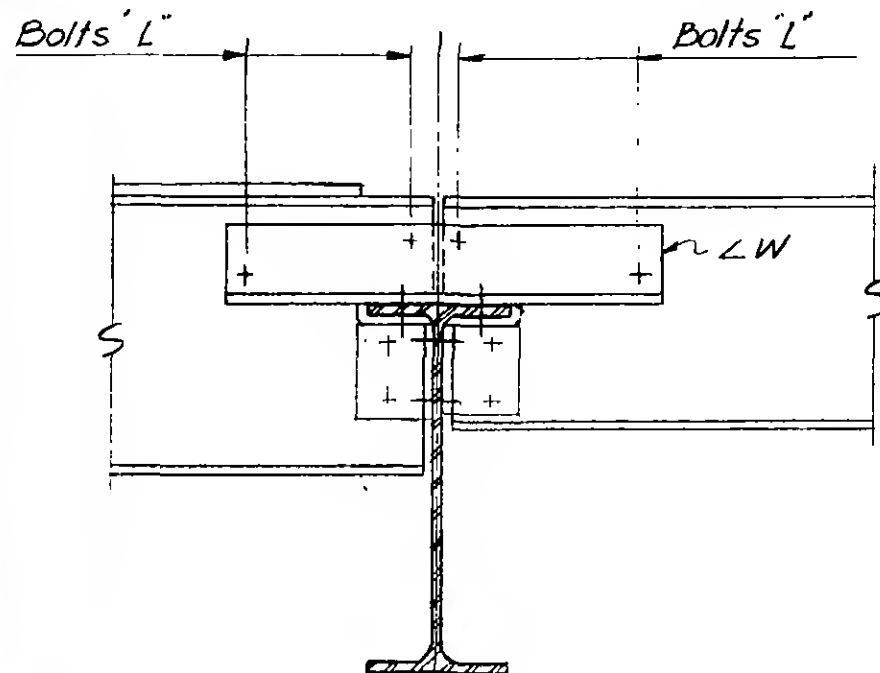
PROJECT **THE WORLD TRADE CENTER**

TITLE

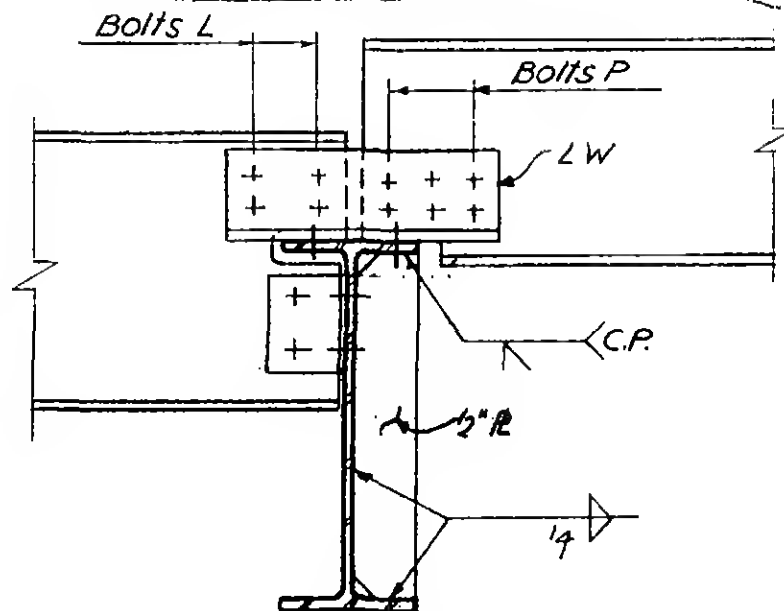
CONNECTION DETAIL 393 A, BDATE **9-15-67**

REVISIONS

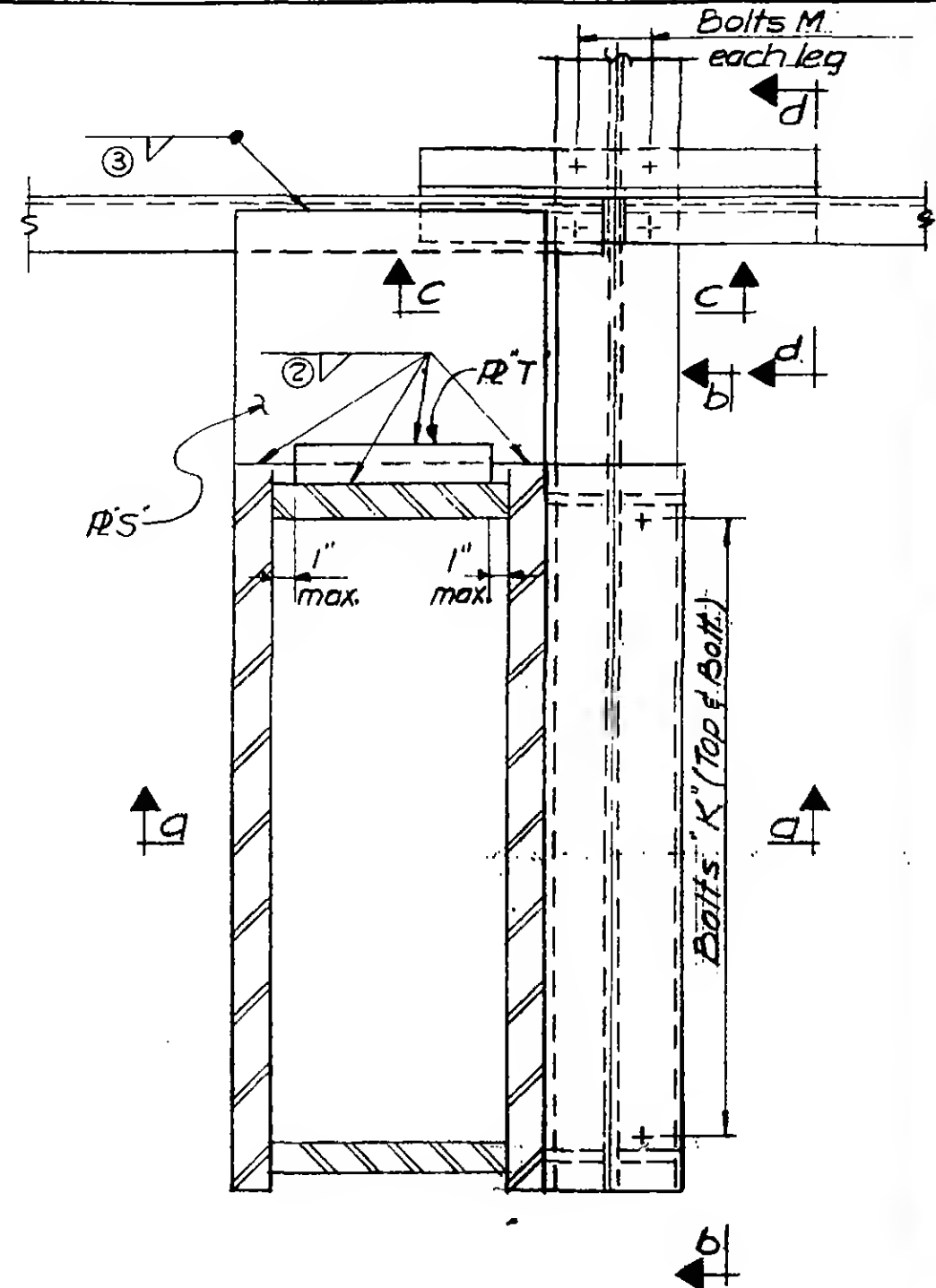
11-10-67

Section C-C

Detail 393 A only

Section C-C

Detail 393B only

Plan

FOR SECTION A-A & D-D SEE DWG. 6-ABI-200.1



6-ABI-200

PROJECT

THE WORLD TRADE CENTER

TITLE

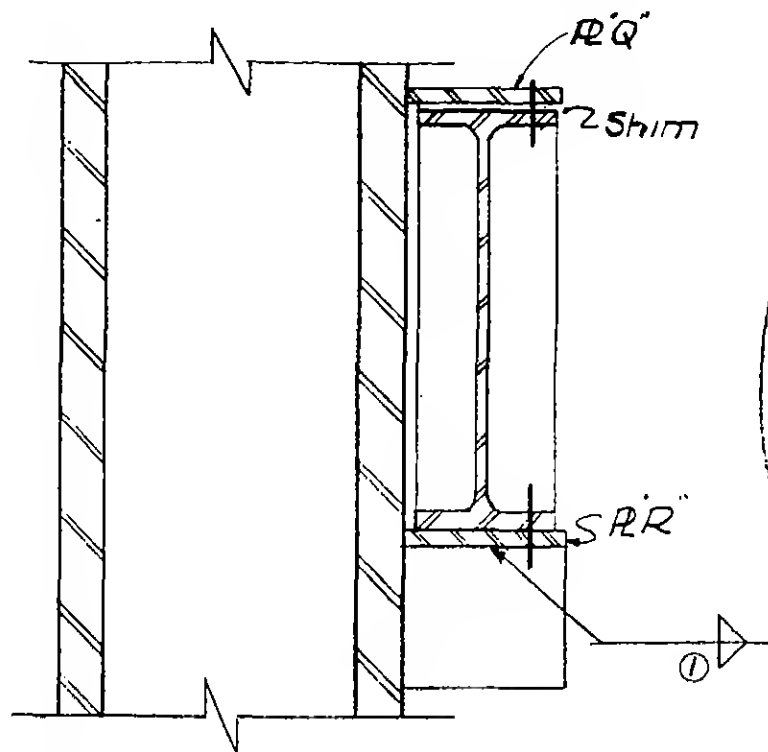
CONNECTION DETAIL 393, A, B.

DATE

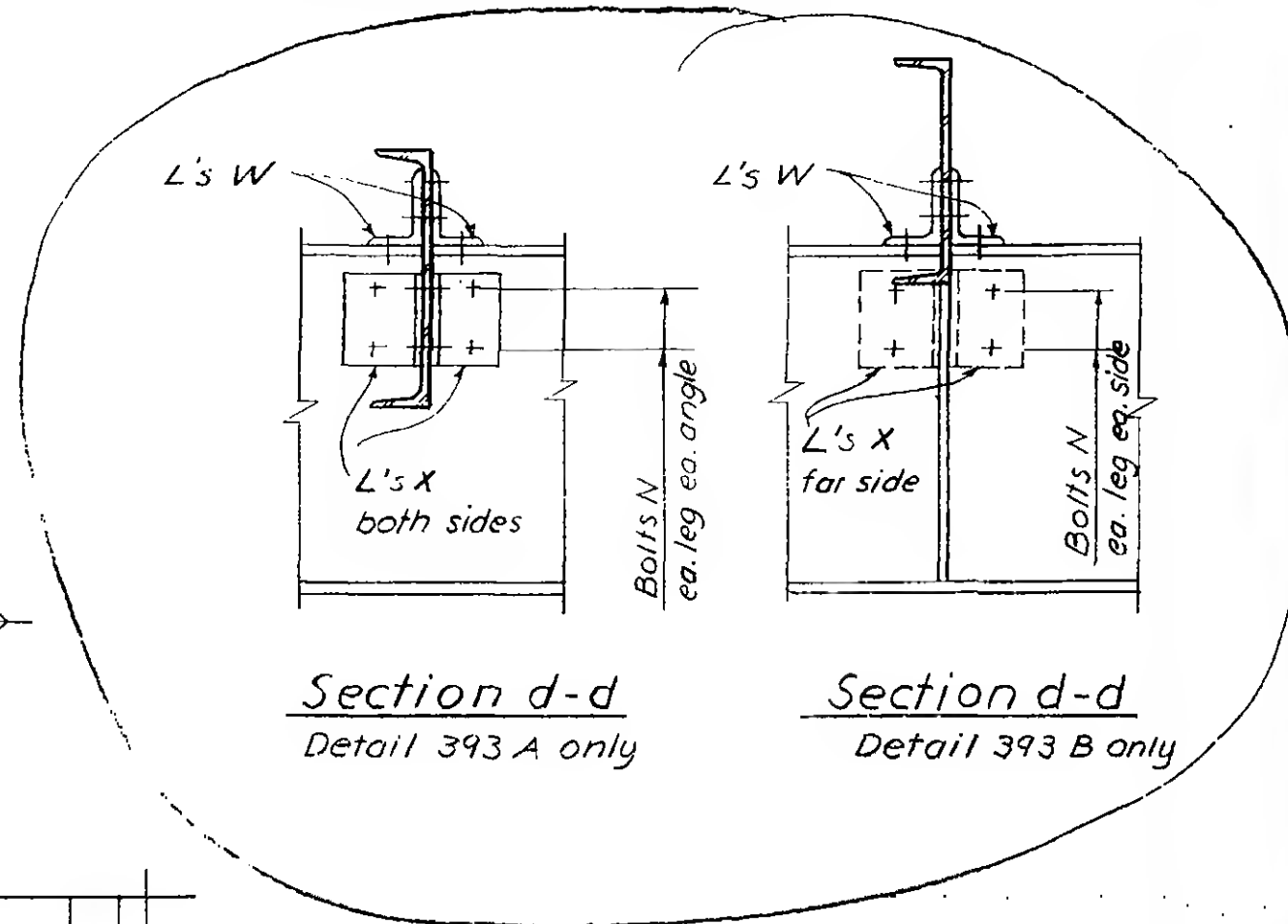
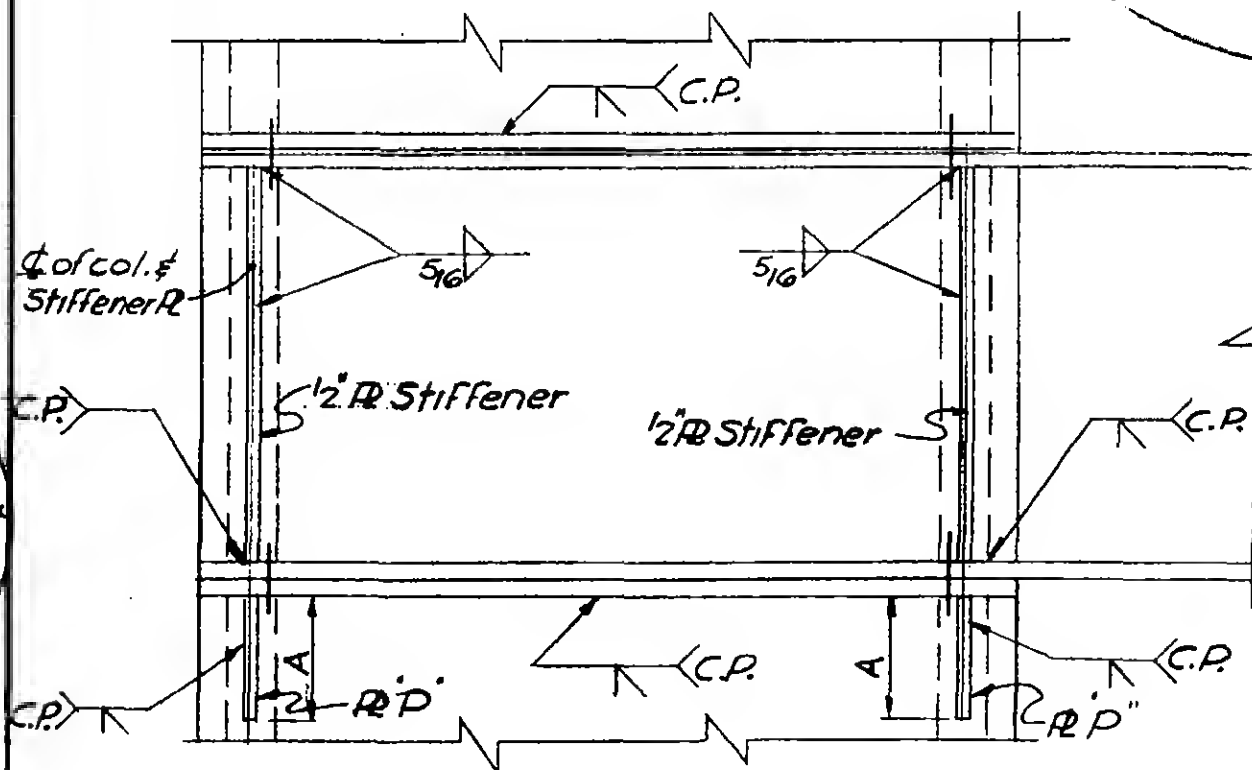
9-15-67

REVISIONS

11-10-67



Section a-a

Section d-d
Detail 393 A onlySection d-d
Detail 393 B only

Section b-b



G-ABI-200.1

PROJECT

THE WORLD TRADE CENTER

TITLE

SCHEDULE FOR DETAIL 393A,B

DATE

7-15-67

REVISIONS

11-10-67

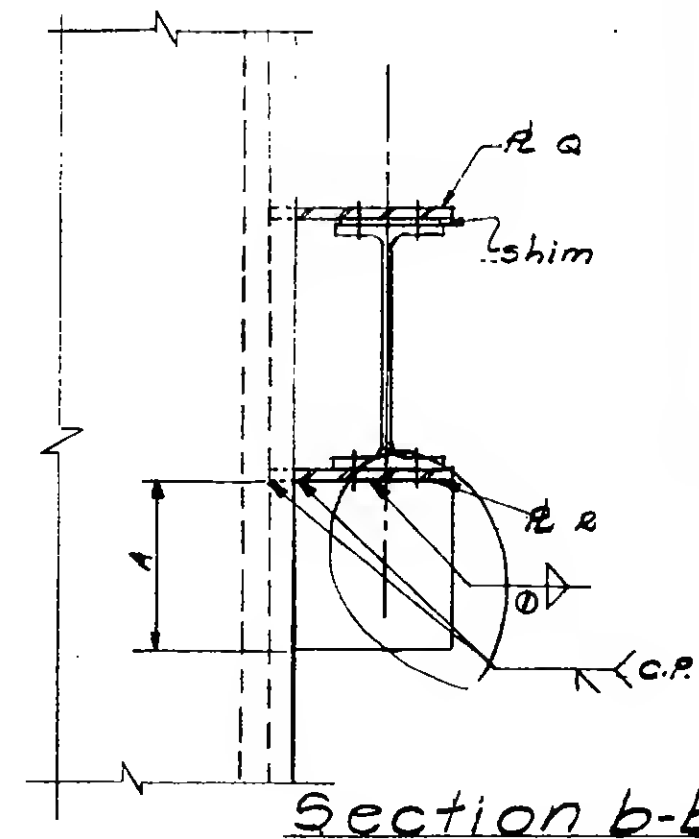
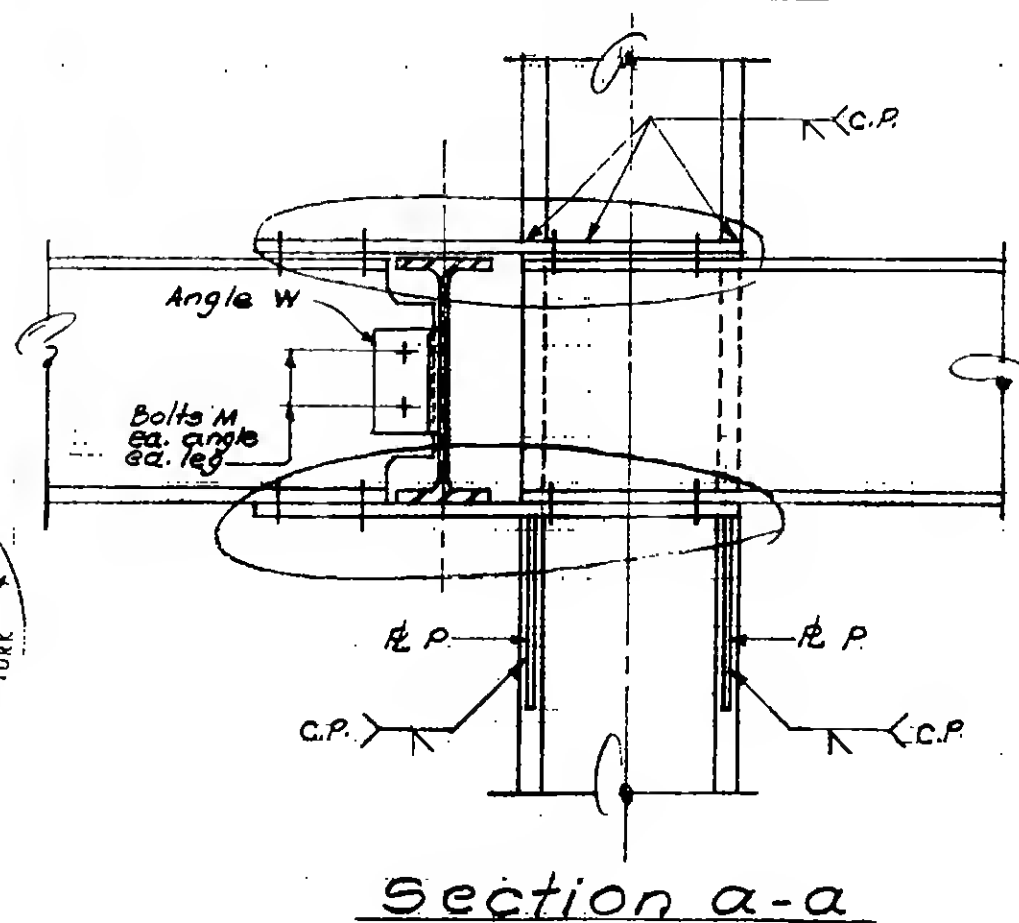
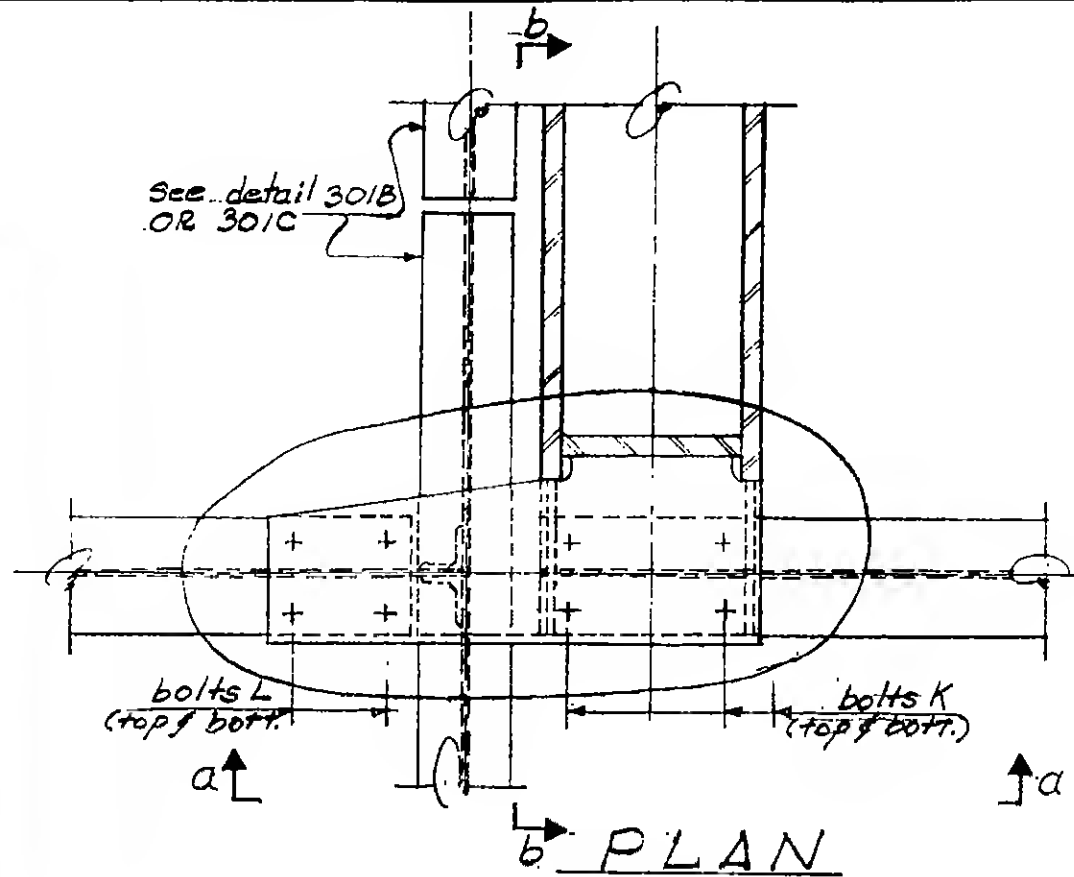
	393 A	393 B			
PLATES					
P	7/8"	7/8"			
Q	3/4"	3/4"			
R	3/4"	3/4"			
S	7/8"	7/8"			
T	4" x 7/8"	4" x 7/8"			
DIMENSIONS					
A	1'-6"	1'-6"			
BOLTS					
K	17 - 1" ϕ	17 - 1" ϕ			
L	4 - 7/8" ϕ	4 - 7/8" ϕ			
M	2 - 3/4" ϕ	2 - 3/4" ϕ			
N	2 - 1" ϕ	2 - 1" ϕ			
P	—	6 - 1" ϕ			
WELDS					
①	5/16	5/16			
②	3/4	3/4			
③	5/16	5/16			
ANGLES					
W	4 x 3 1/2 x 7/16	7 x 4 x 1/2			
X	4 x 3 1/2 x 7/16	4 x 3 1/2 x 7/16			



6-ABI-200.2

REVISIONS

11-10-67



PROJECT

THE WORLD TRADE CENTER

TITLE

SCHEDULE FOR DETAIL 395 A, B, C

DATE

9-15-67

REVISIONS

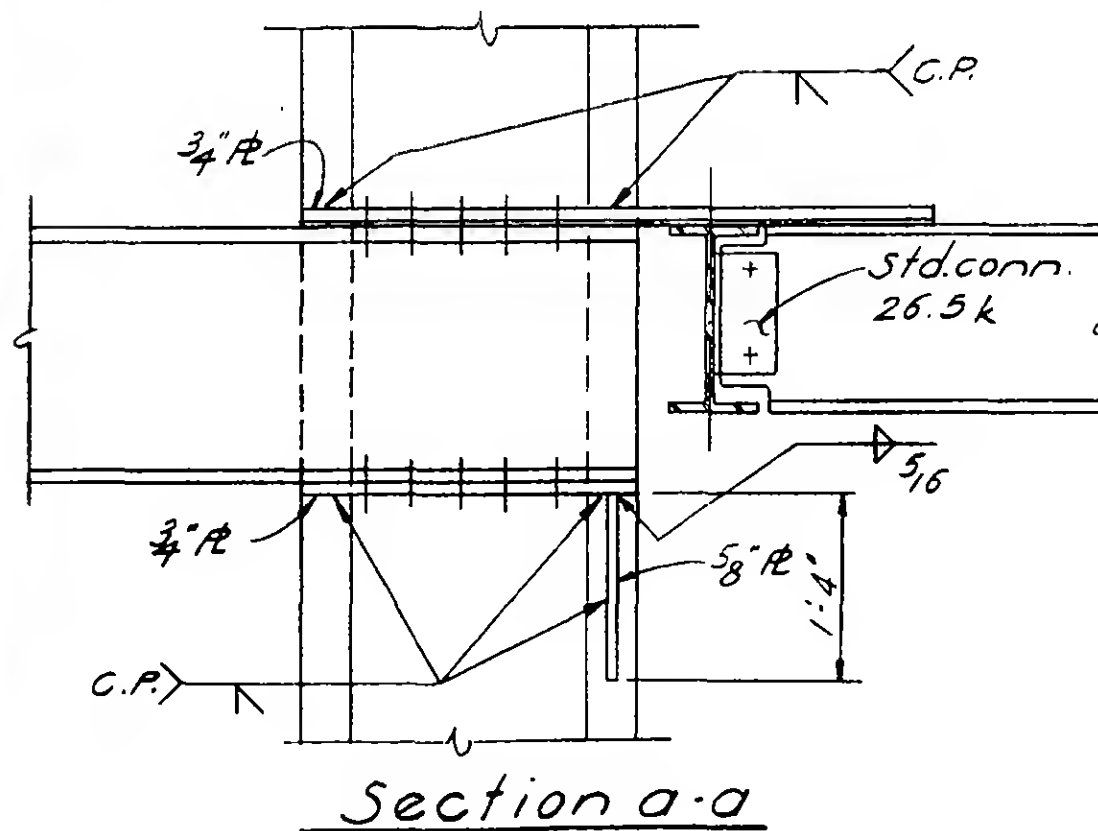
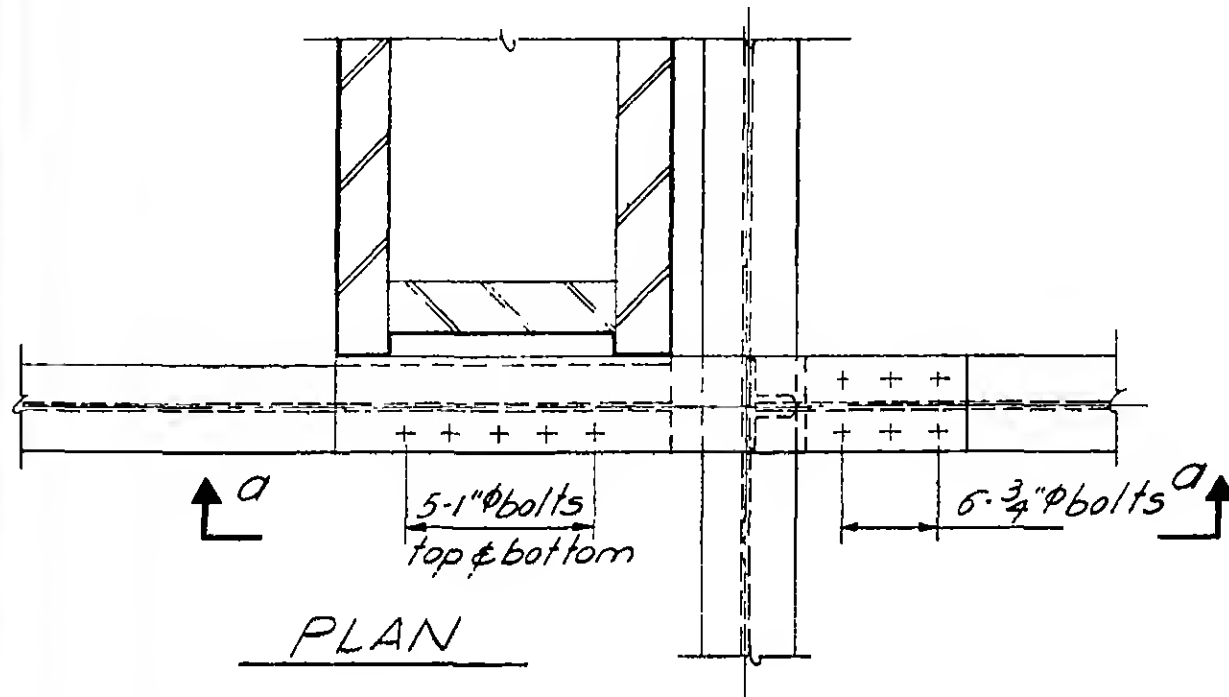
11-10-67

	395A	395B	395C			
PLATES						
P	1/2"	1/2"	5/8"			
Q	1/2"	1/2"	5/8"			
R	1/2"	1/2"	5/8"			
ANGLES						
W	4 x 3 1/2 x 5/16	4 x 3 1/2 x 5/16	4 x 3 1/2 x 5/16			
BOLTS						
K	6 - 3/4" ϕ	6 - 3/4" ϕ	6 - 3/4" ϕ			
L	4 - 3/4" ϕ	6 - 3/4" ϕ	6 - 3/4" ϕ			
M	2 - 3/4" ϕ	3 - 3/4" ϕ	3 - 3/4" ϕ			
DIMENSIONS						
A	1'-0"	1'-0"	1'-2"			
WELDS						
(1)	3/8	3/8	3/8"			



6-ABI-202.1

REVISIONS

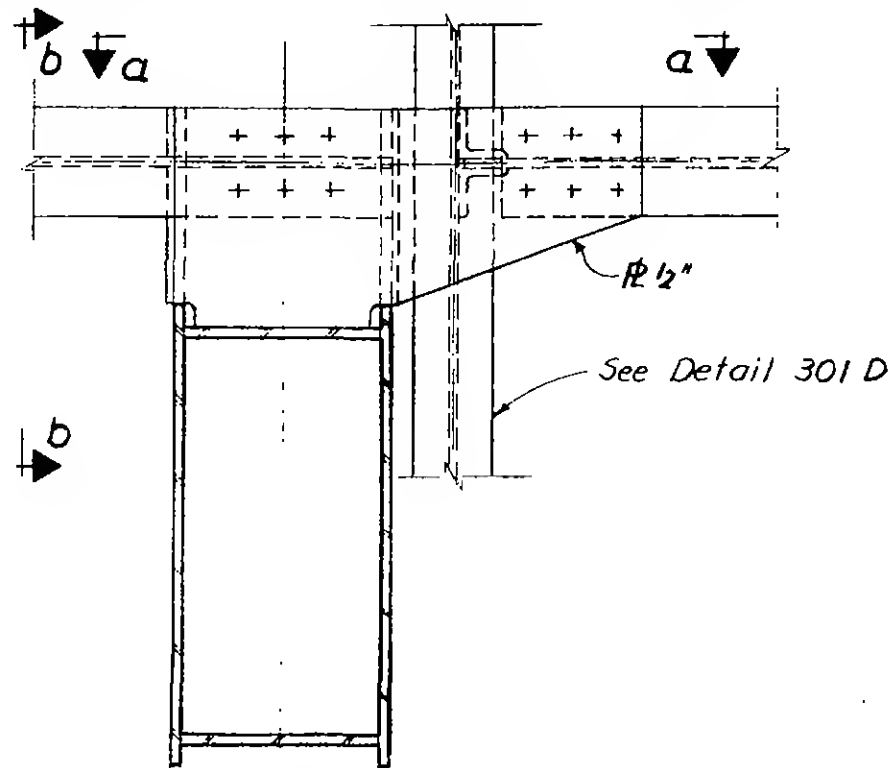


PROJECT THE WORLD TRADE CENTER

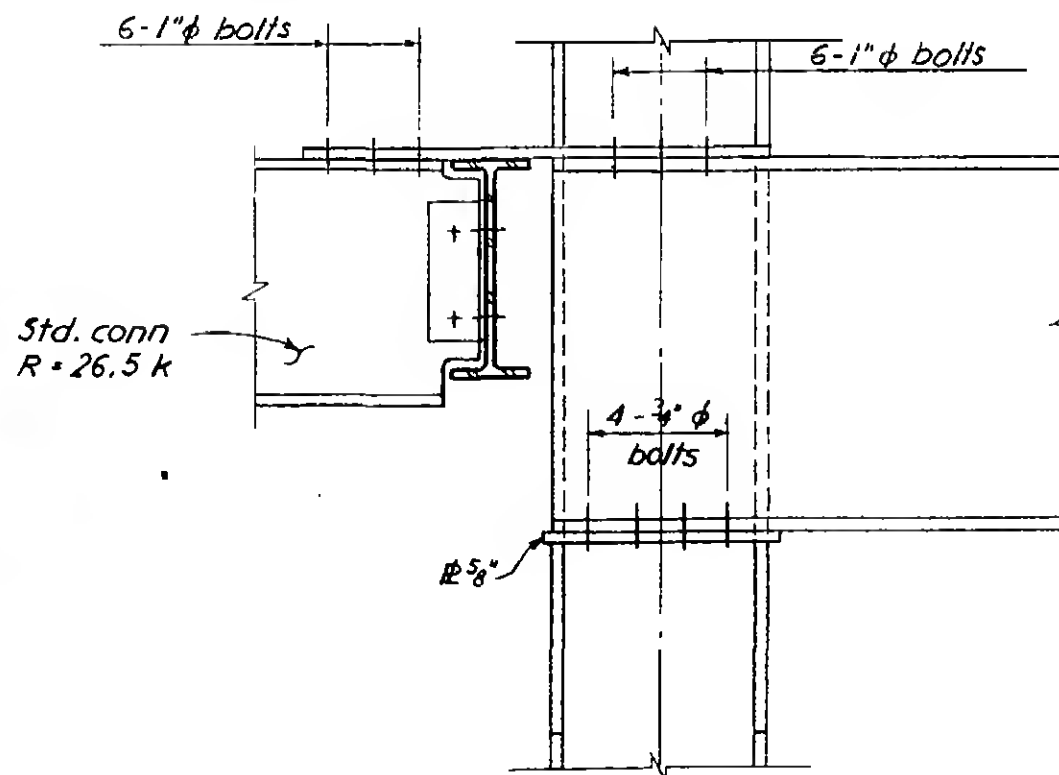
TITLE CONNECTION DETAIL 395 E

DATE 1-24-68

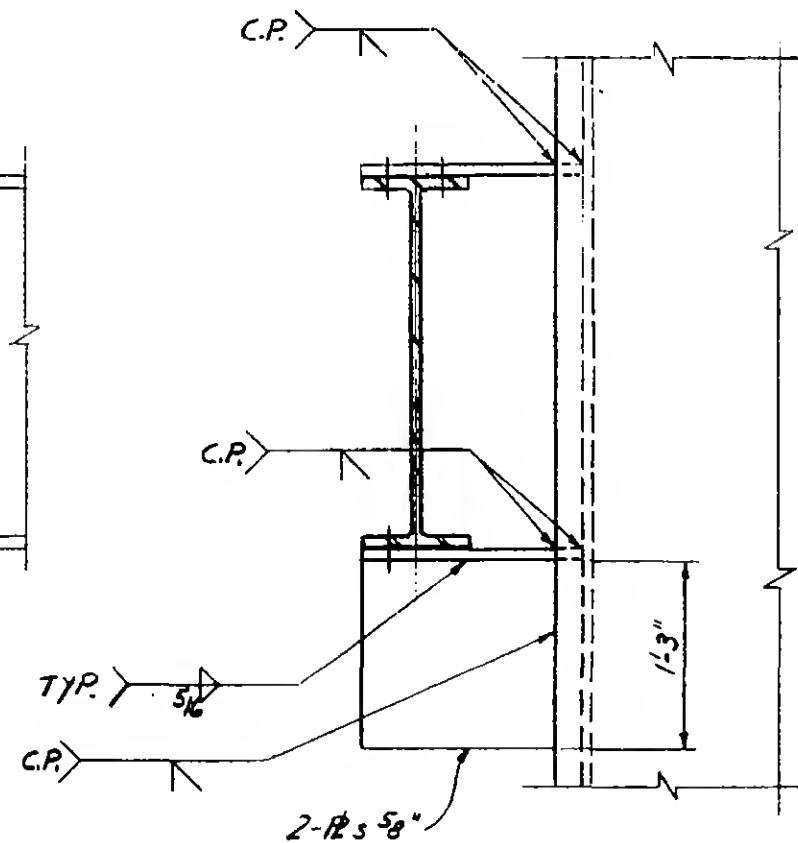
REVISIONS



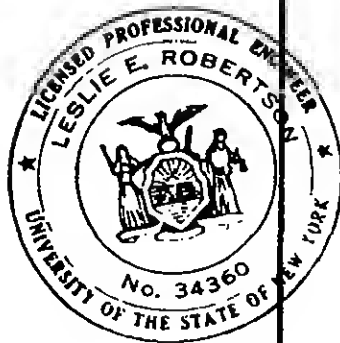
Plan



Section a-a

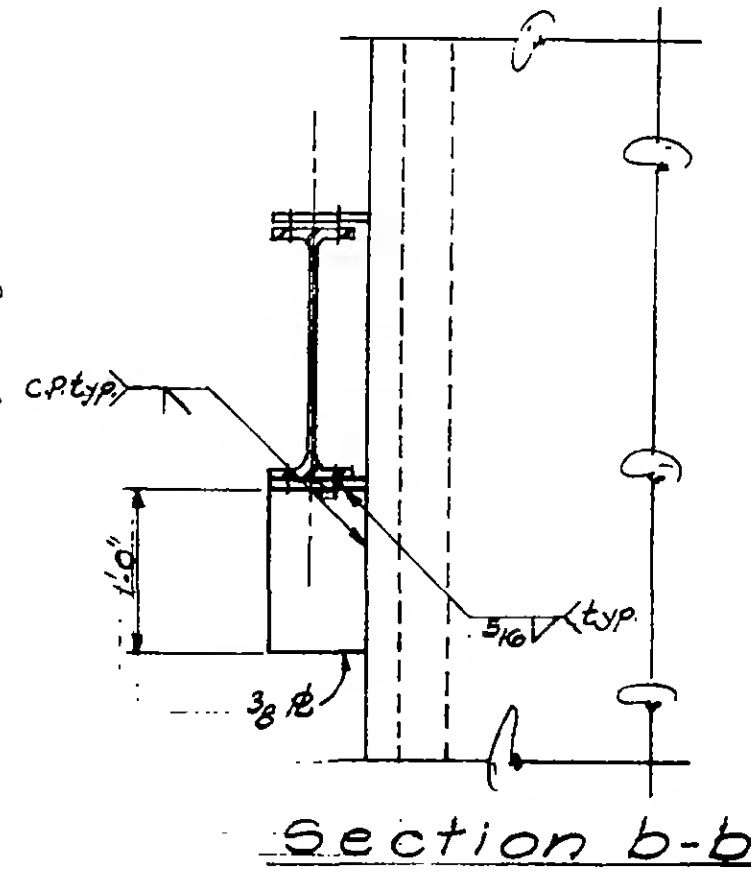
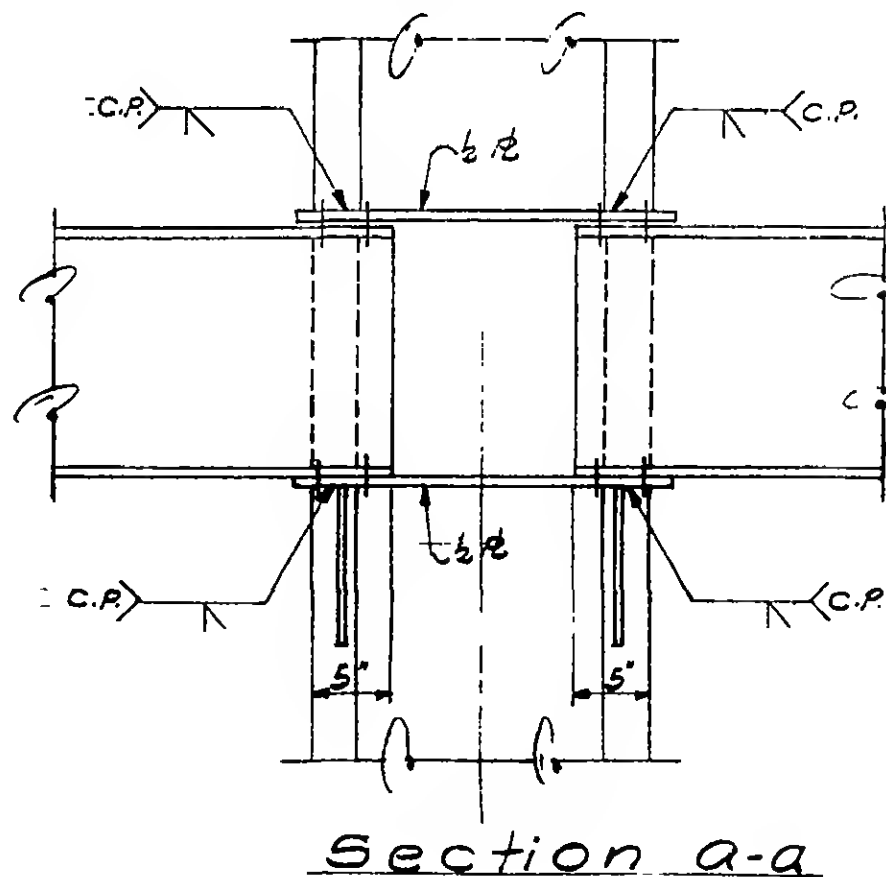
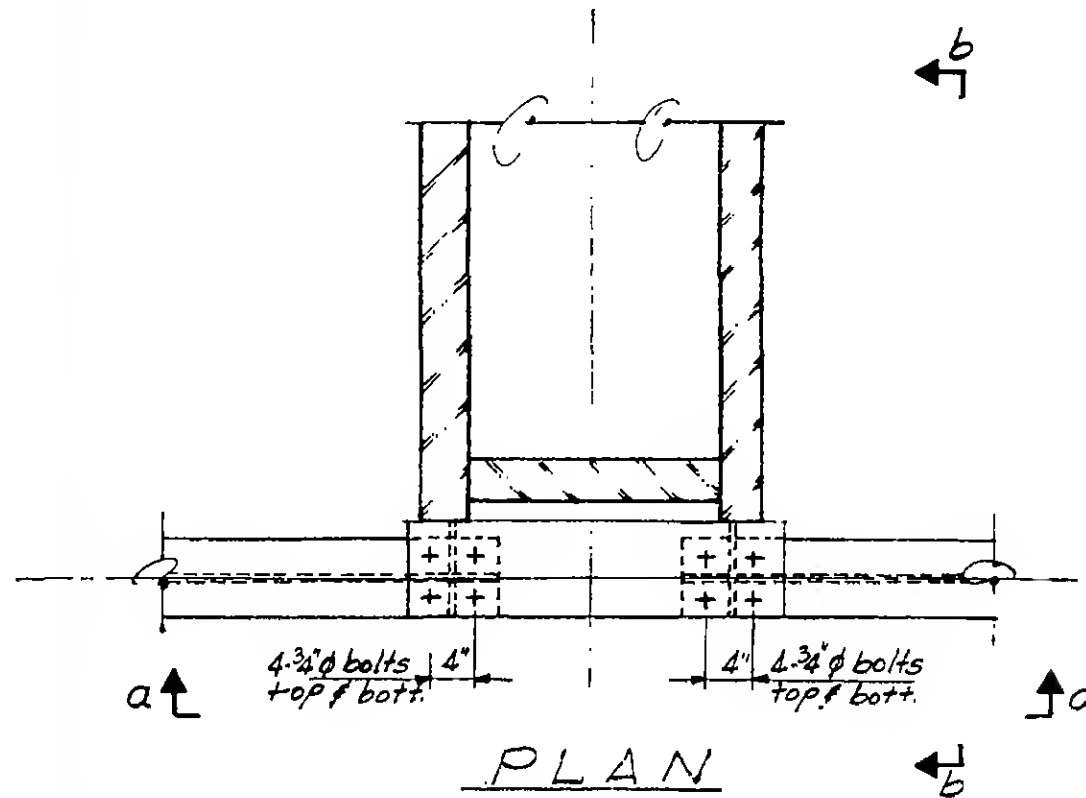


Section b-b



6-ABI-202.3

REVISIONS



PROJECT

THE WORLD TRADE CENTER

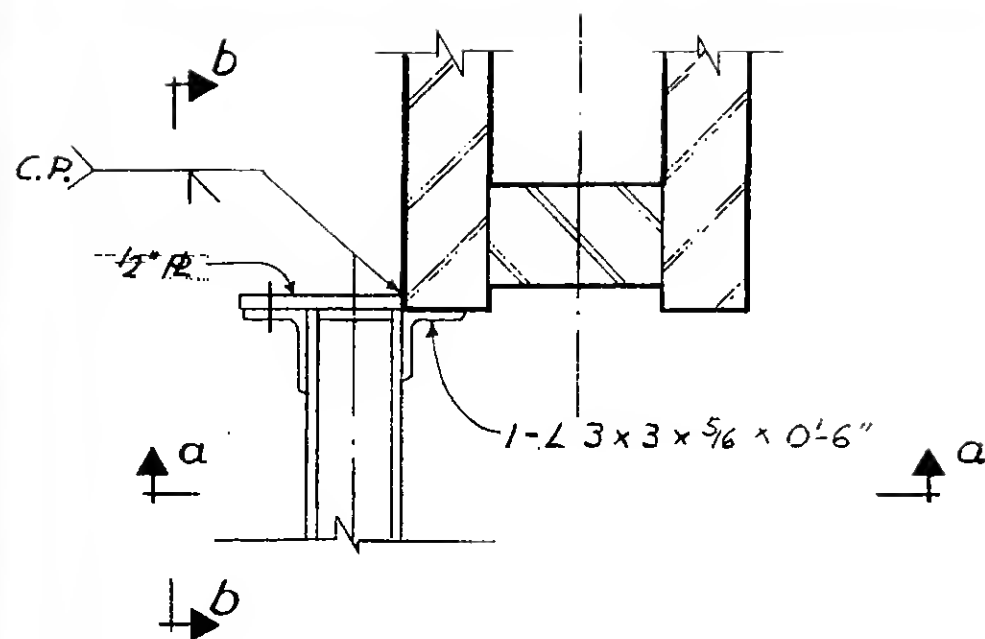
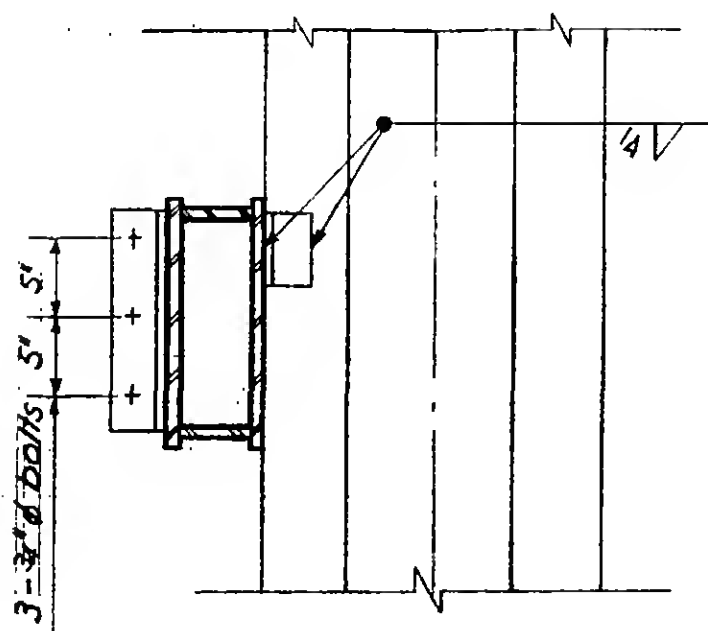
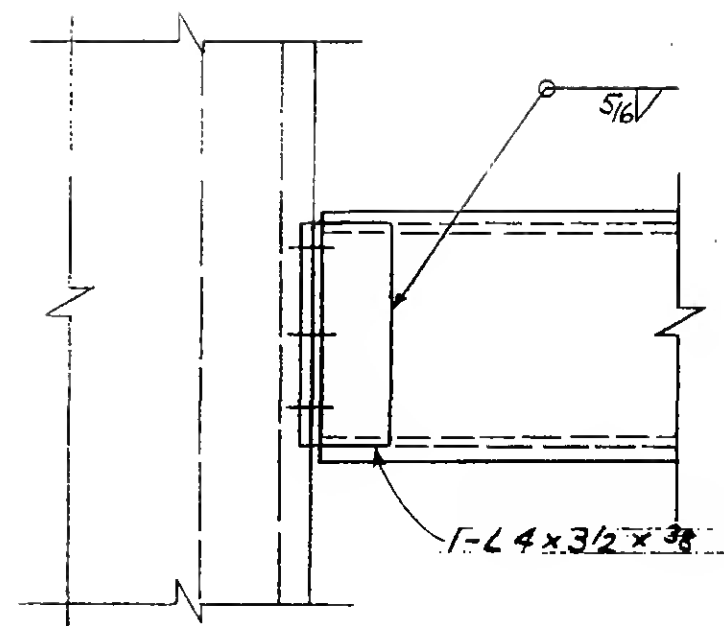
TITLE

CONNECTION DETAIL 397A

DATE

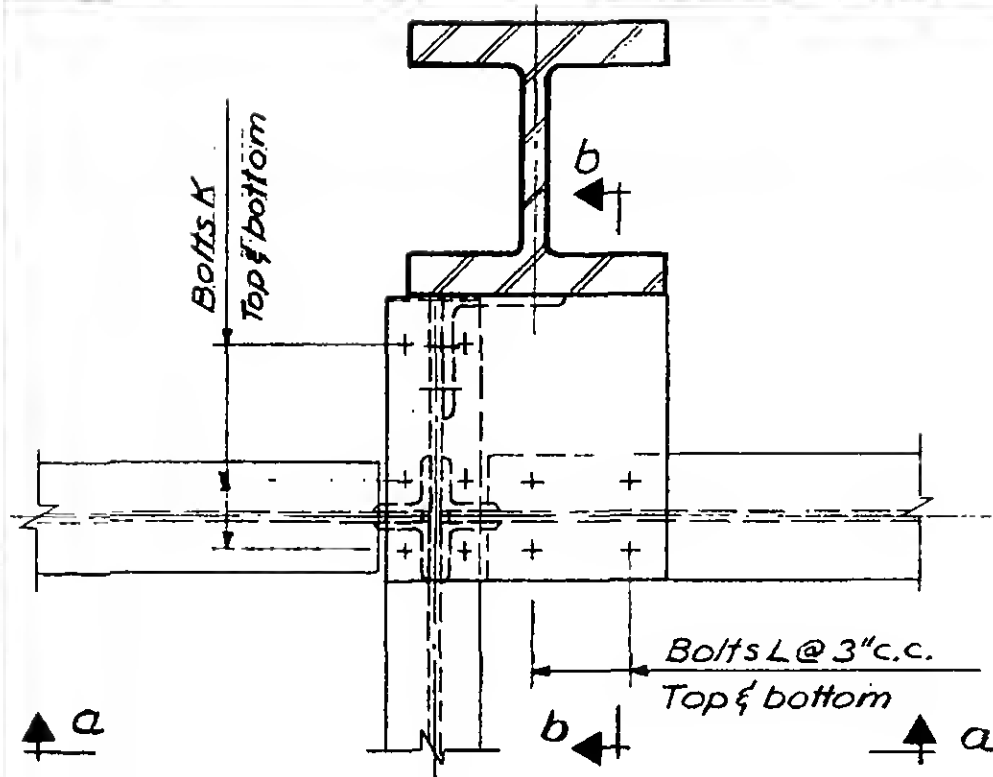
9-29-67

REVISIONS

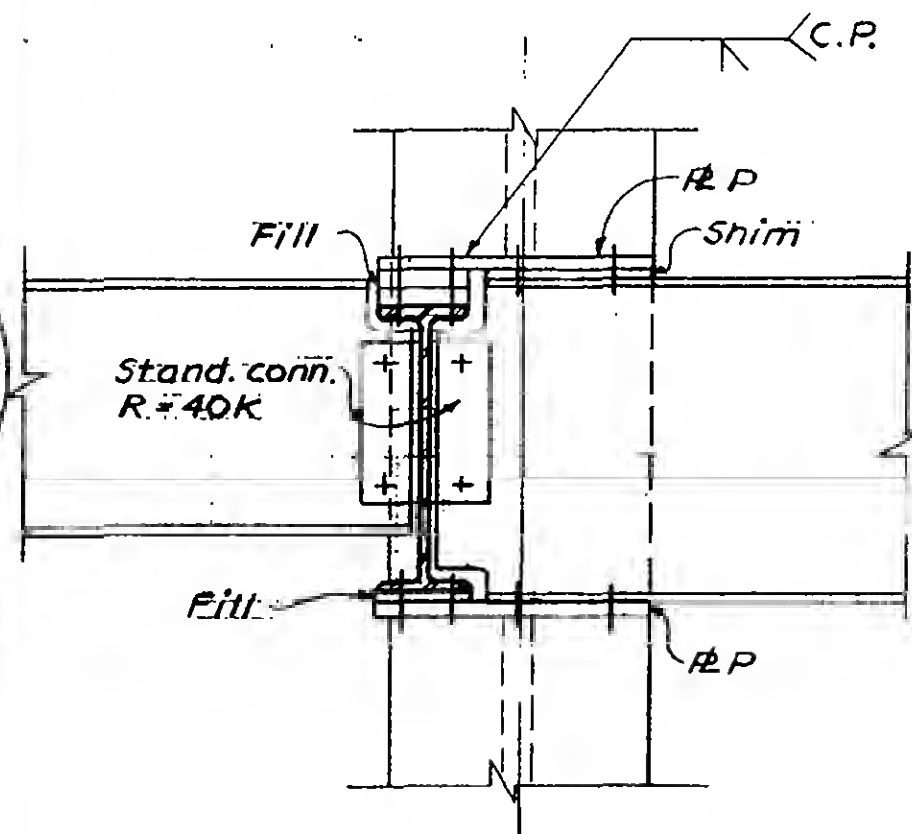
PlanSection a-aSection b-b

6-ABI-204

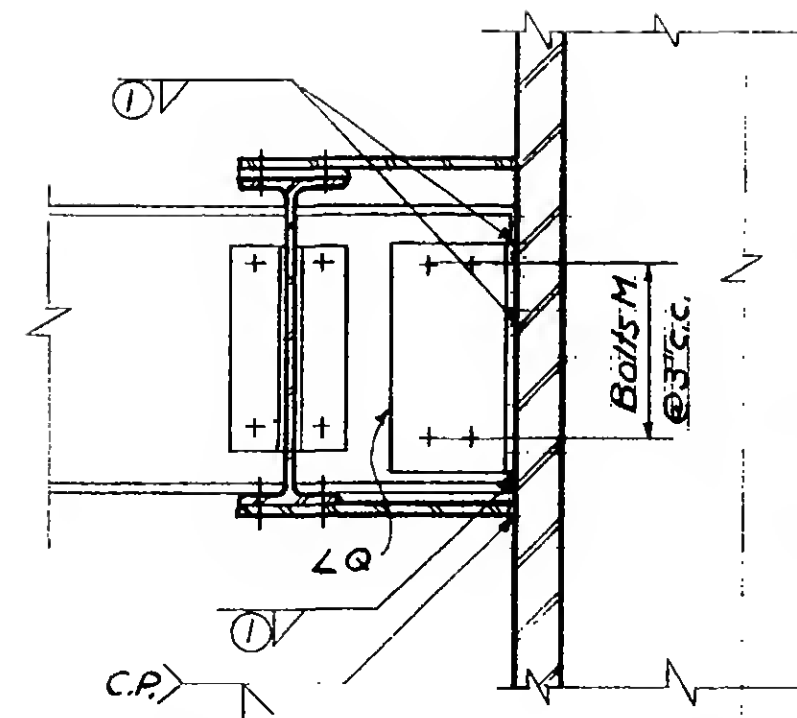
REVISIONS



Plan



Section a-a



Section b-b

6-ABI-205



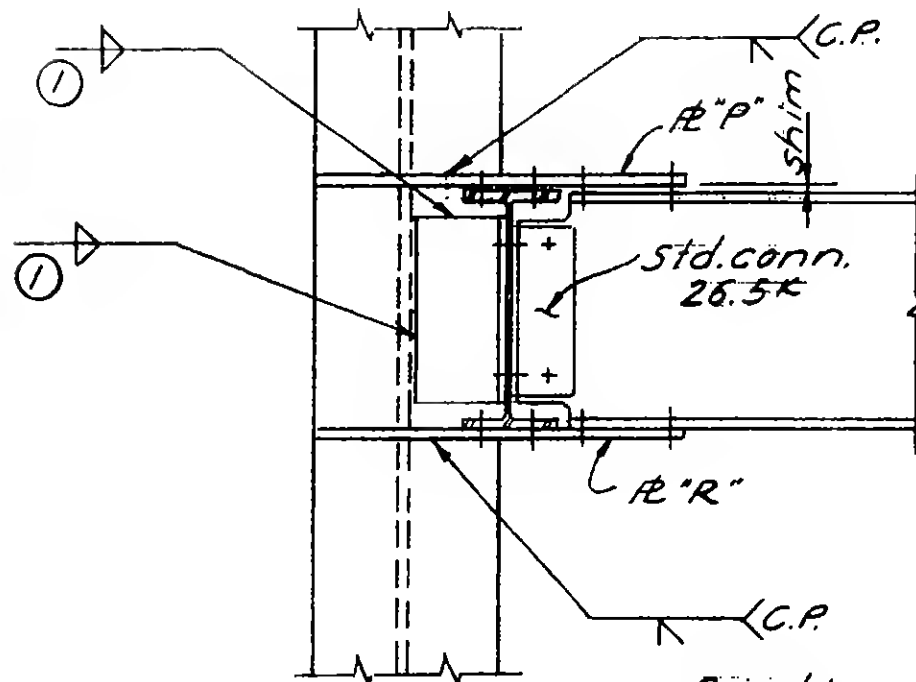
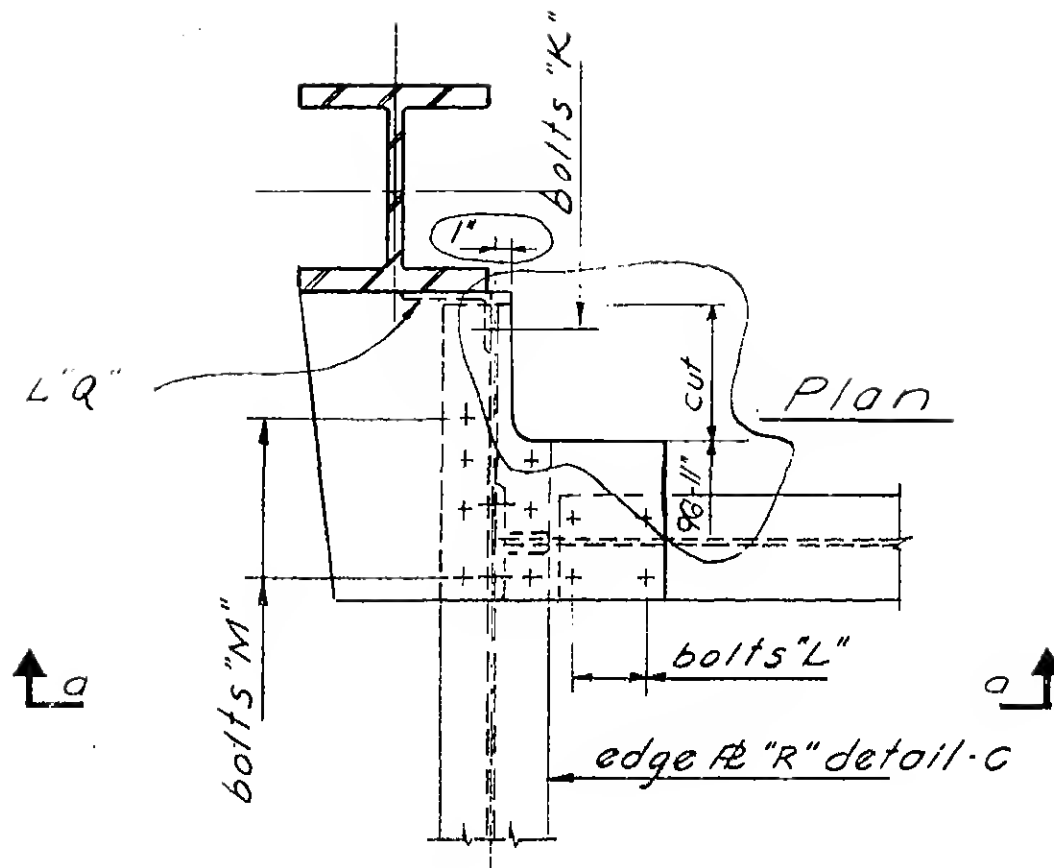
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 398 B, C

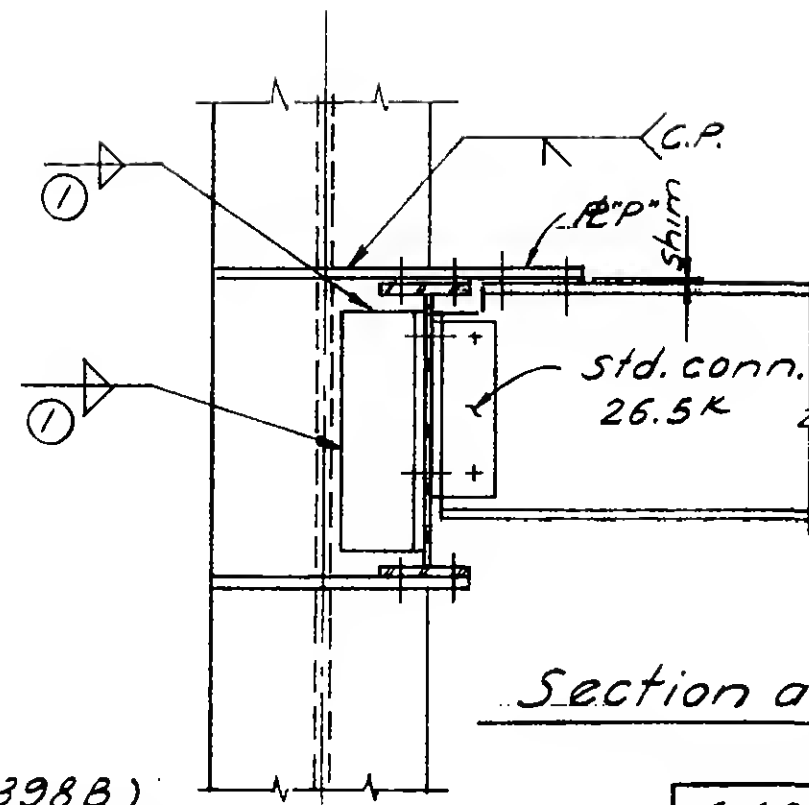
DATE 10-5-67

REVISIONS

9-27-68



Section a-a (398B)

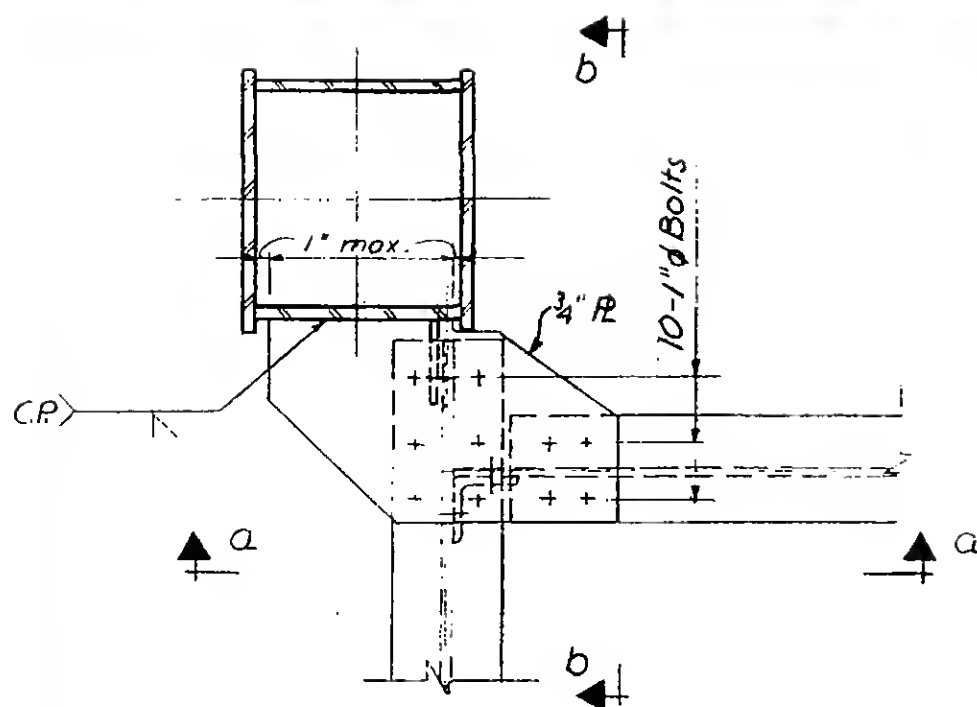
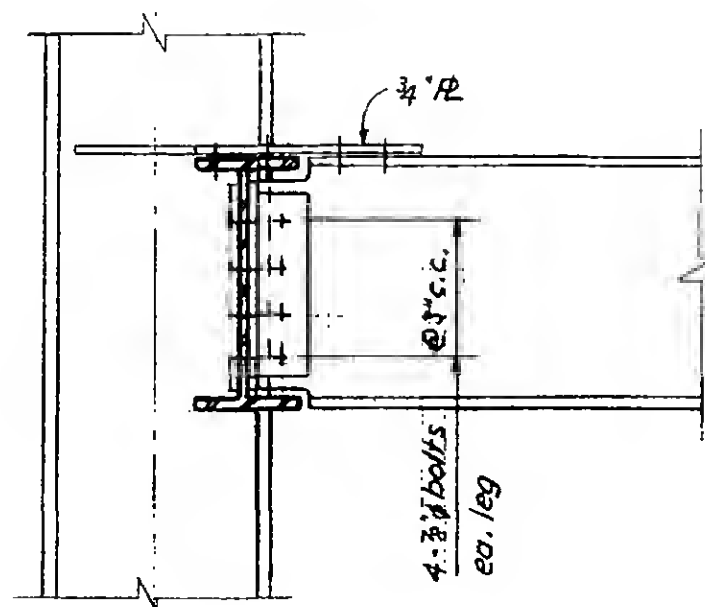
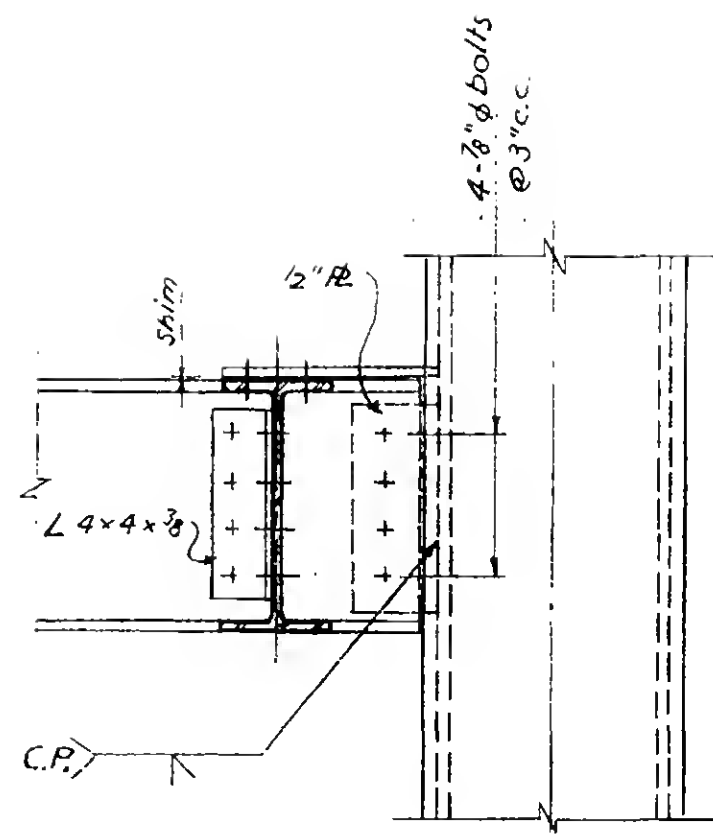
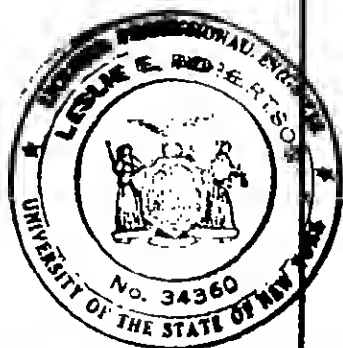


Section a-a (398C)

6-ABI-205.2



REVISIONS

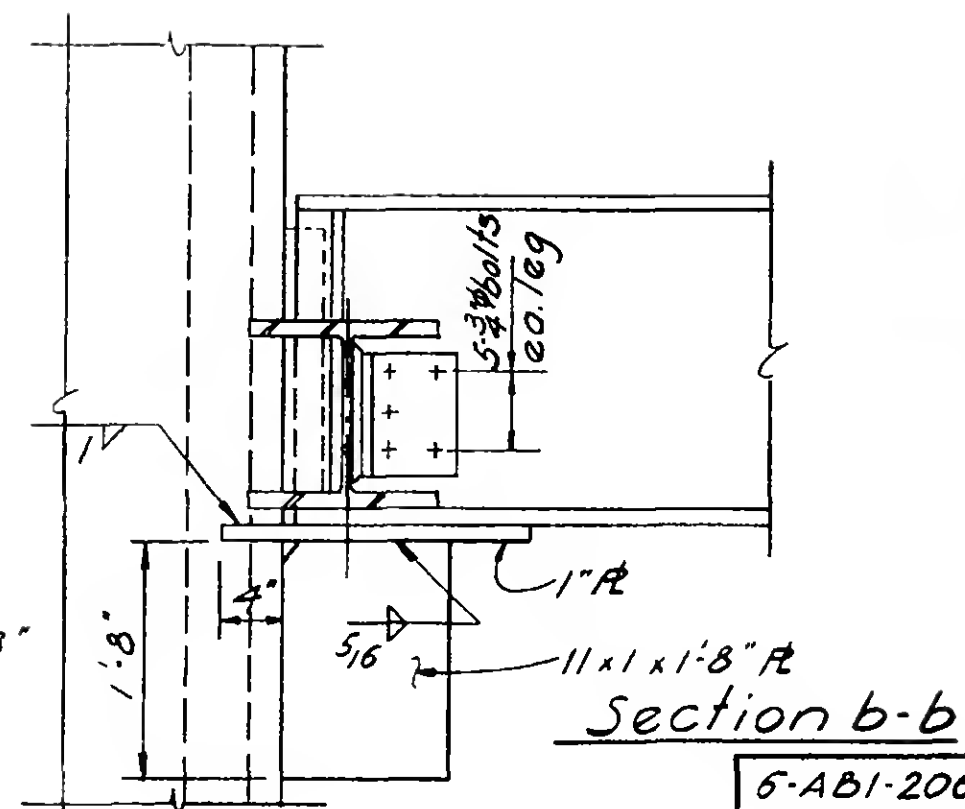
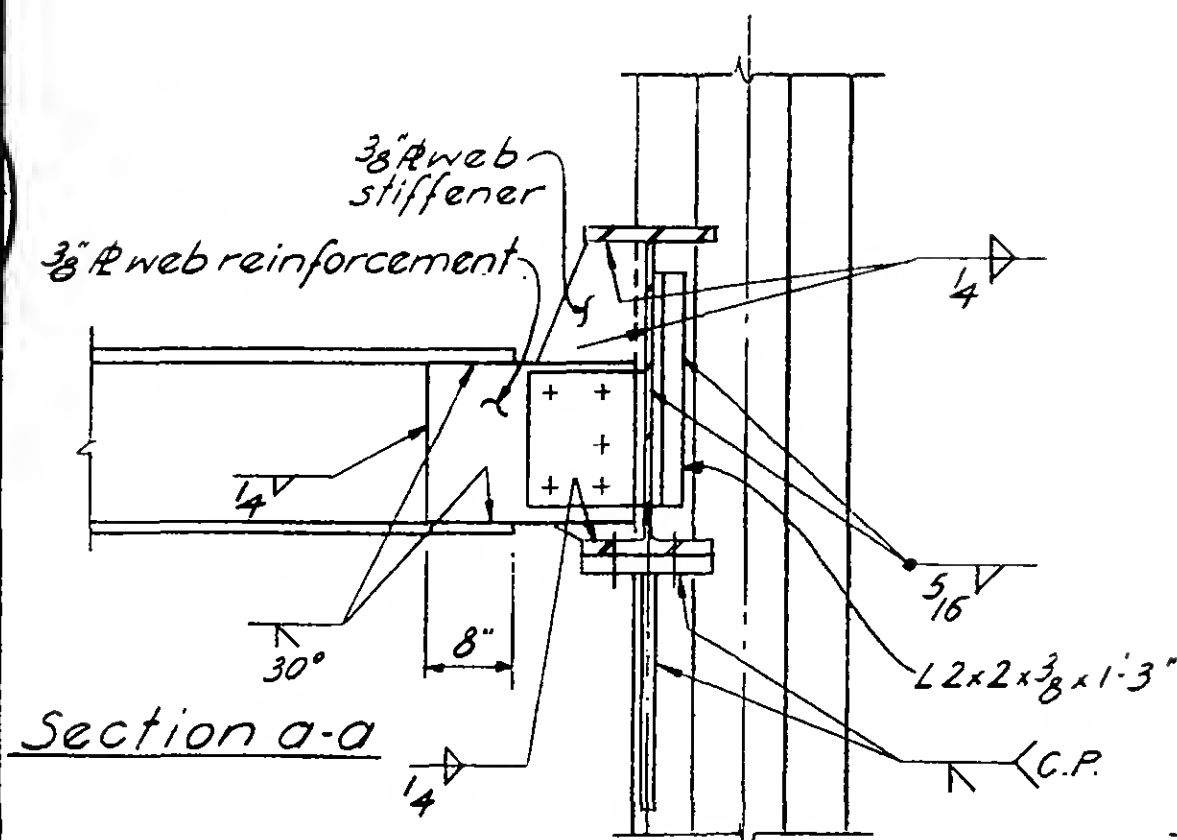
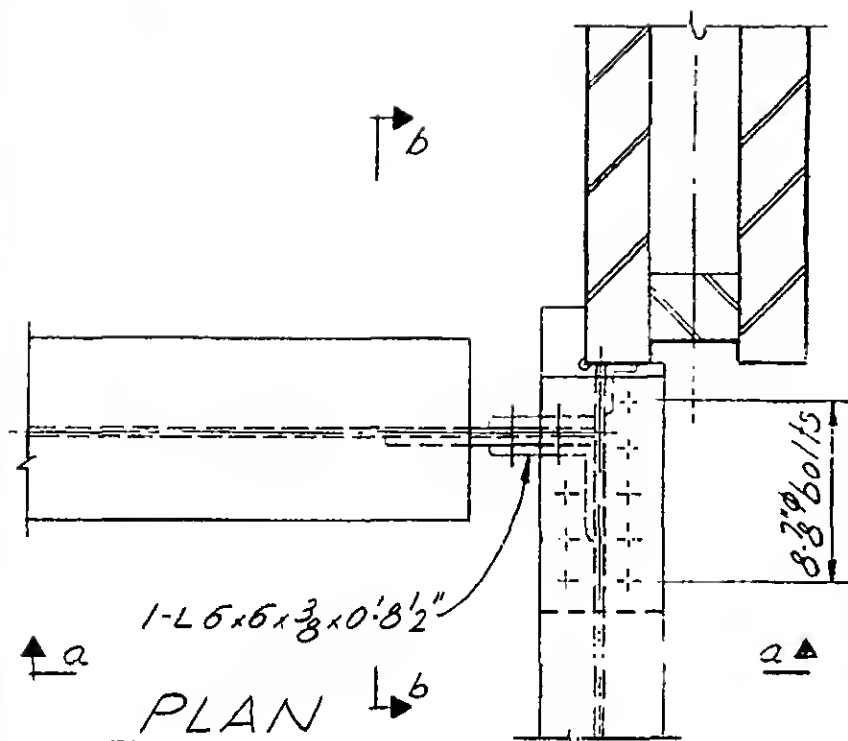
PlanSection a-aSection b-b

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 399B

DATE 2-9-68

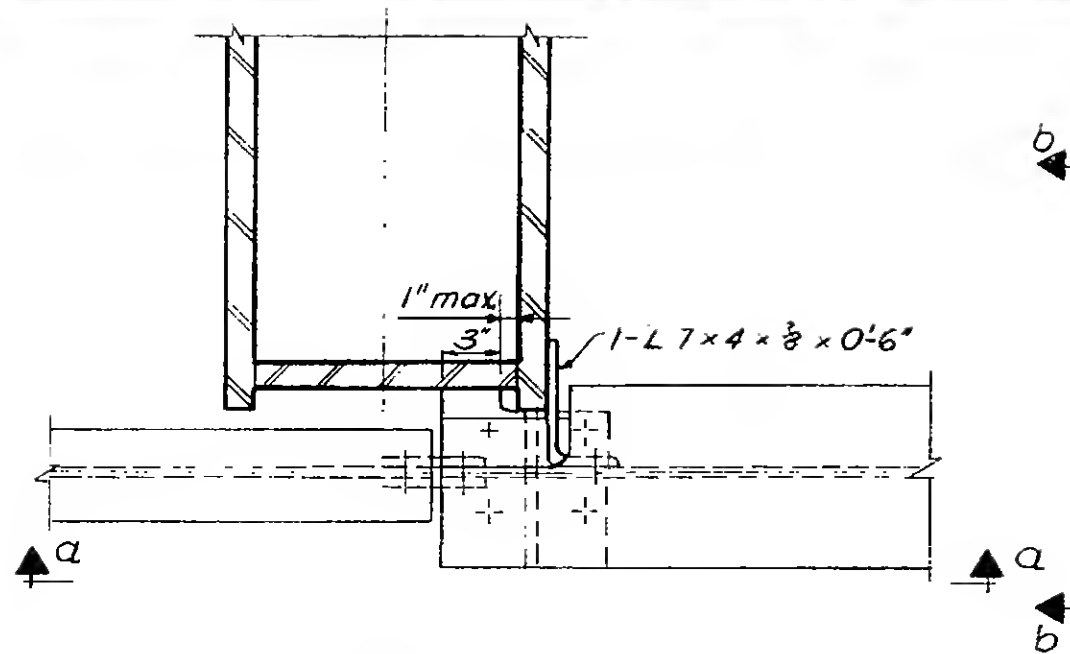
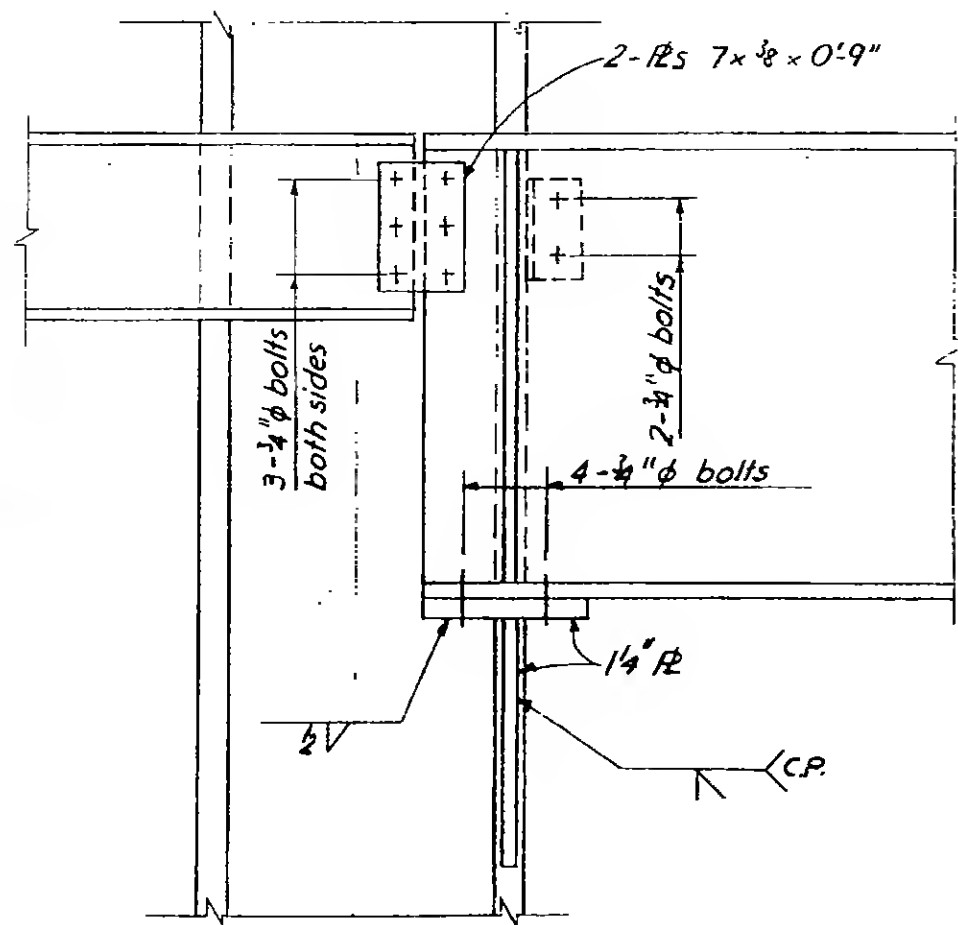
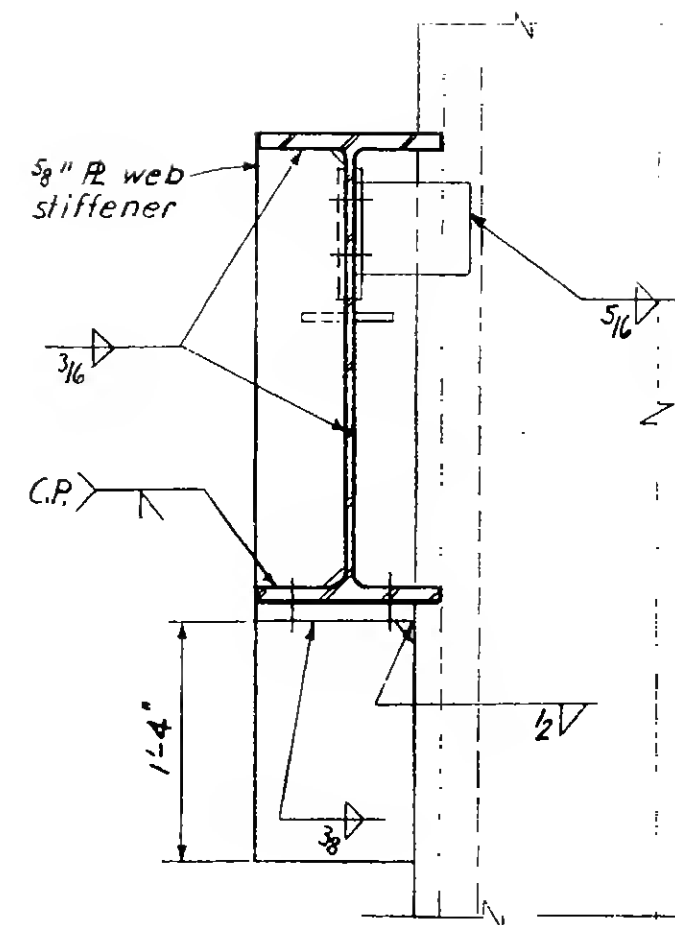
REVISIONS



6-ABI-206.1



REVISIONS

PlanSection a-aSection b-b

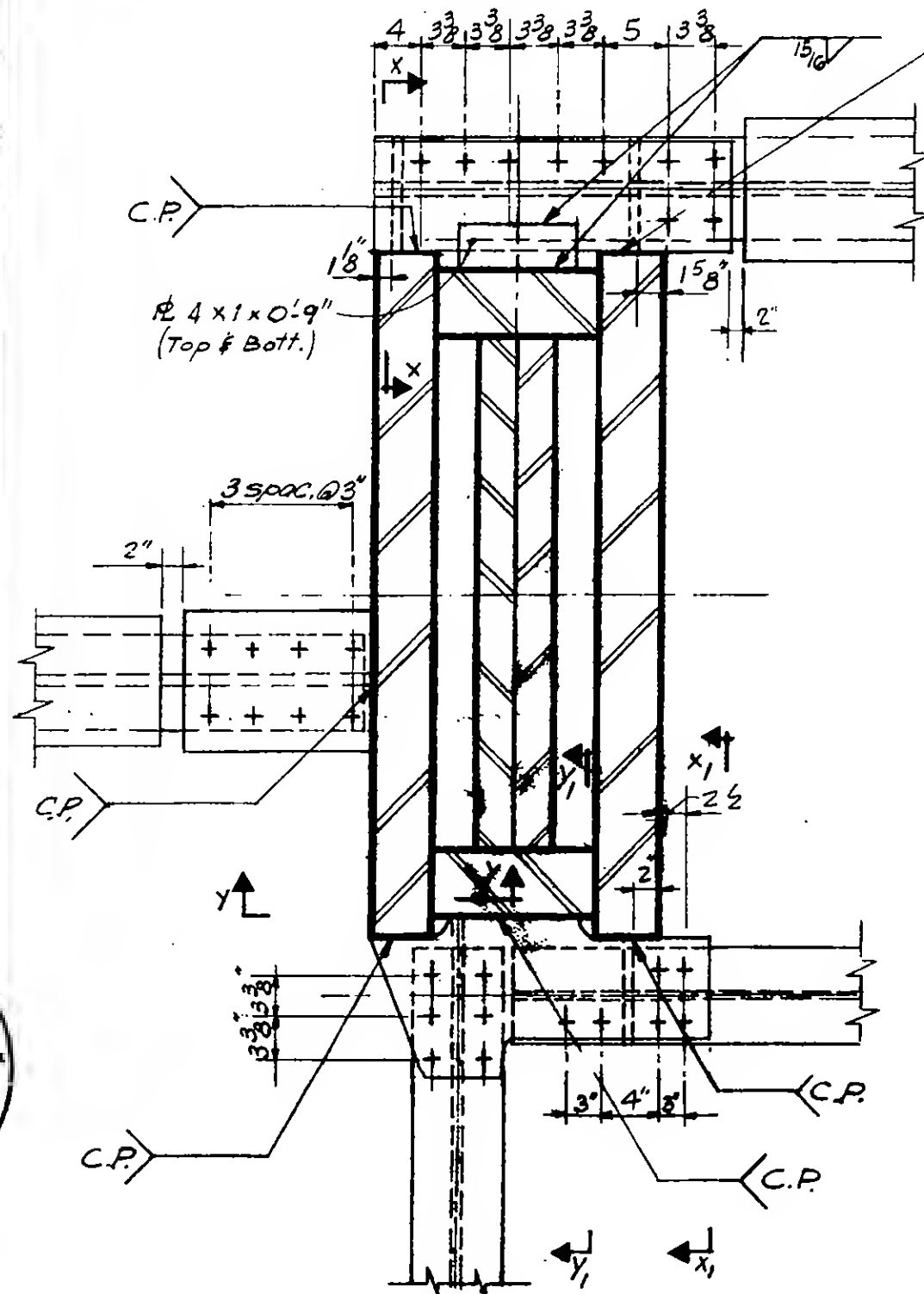
6-ABI-206.2



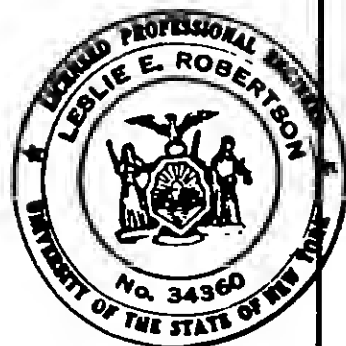
REVISIONS

6-30-67

For SECTIONS X-X, X₁-X₁, X₂-X₂, Y-Y
See DWG. 6-ABI-234



	SECTION X-X	SECTION X ₁ -X ₁	SECTION Y ₁ -Y ₁	SECTION Y-Y
PLATES				
P	2 PL 8-8 1/2" x 3/4"	8" x 5/8"	6" x 5/8"	8" x 7/8"
Q	8 3/4" x 1"	Same as P	7/8"	8" x 1"
R	8 3/4" x 1"	7/8"	7/8"	
DIMENSIONS				
A	2'-4 3/4"	2'-4 1/4"	2'-3"	1'-1 3/4"
B	1'-0"	0'-10"	0'-8"	1'-4"
BOLTS				
K	9-1 1/8" φ (A490)	6-1" φ (A490)	6-1 1/8" φ (A490)	8-1" φ (A490)
L	9-1 1/8" φ (A490)	6-1" φ (A490)	6-1 1/8" φ (A490)	8-1" φ (A490)
WELDS				
①	9/16	7/16	7/16	5/8
②	9/16	7/16	7/16	5/8
③	C.P.	C.P.	C.P.	C.P.
⑤	15/16			
⑥	15/16			



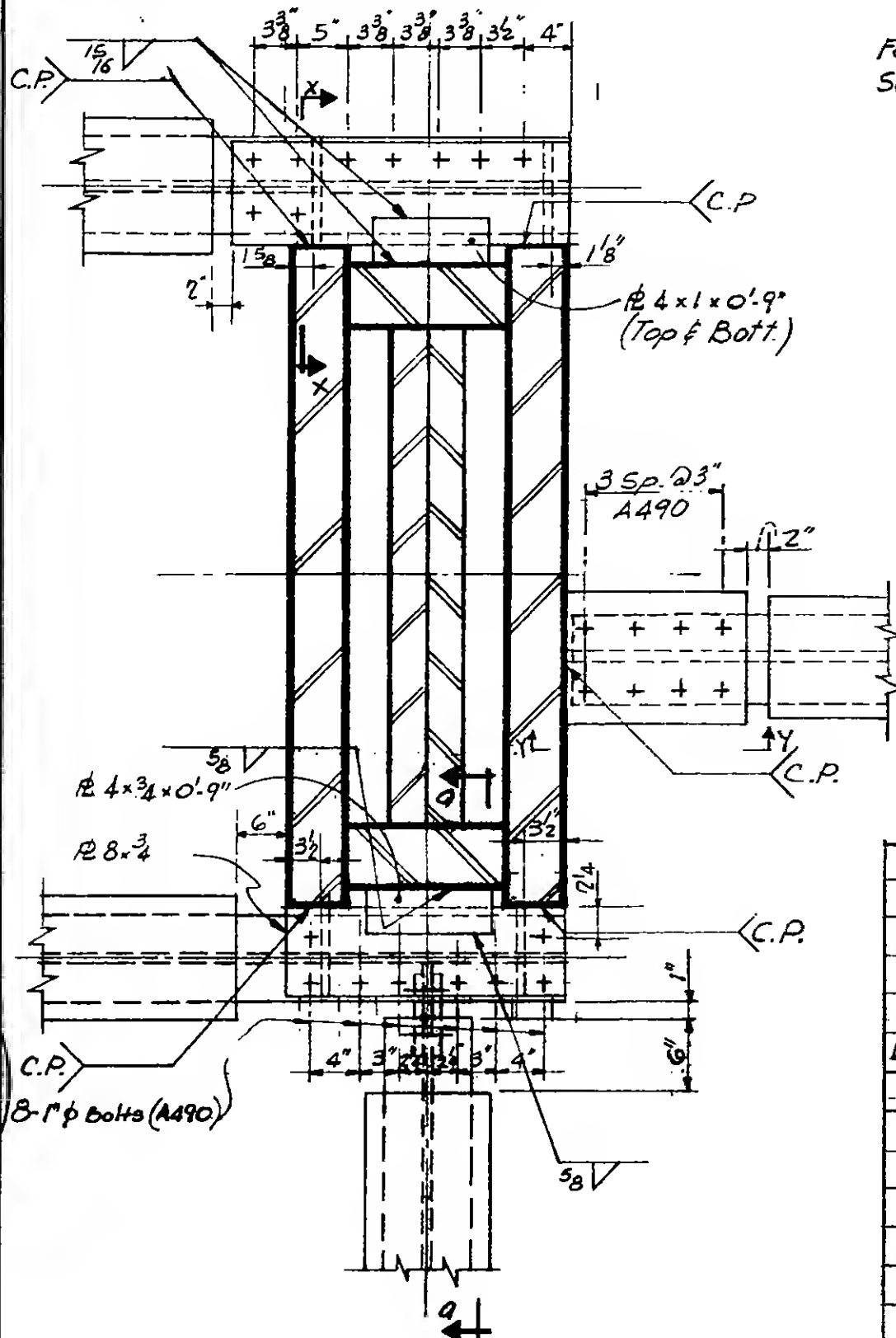
Plan

6-ABI-207

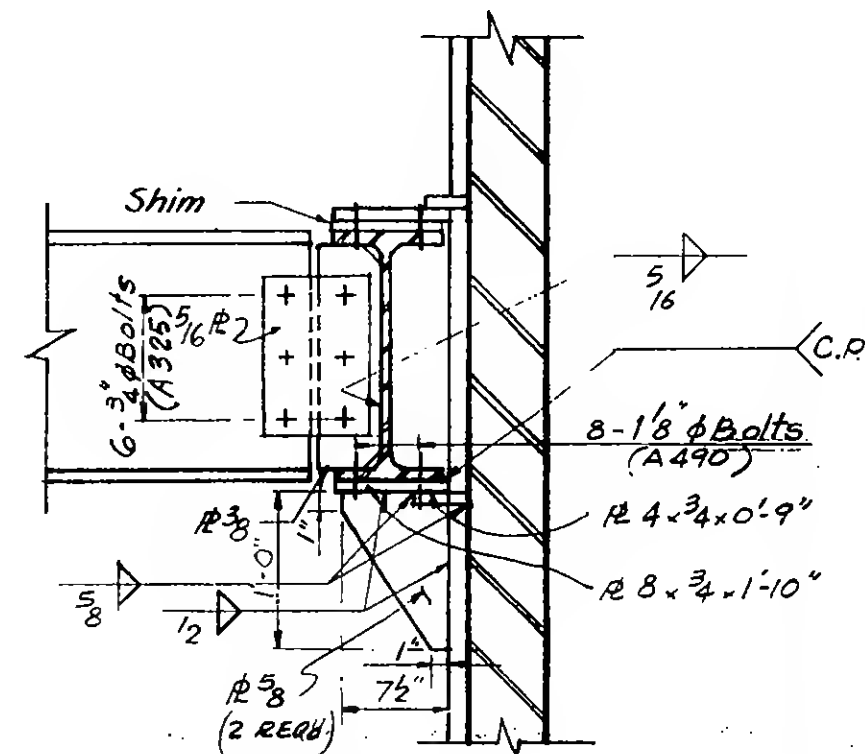
REVISIONS

6-30-67

For SECTIONS X-X, Y-Y
See DWG. 6-ABI-234



Plan



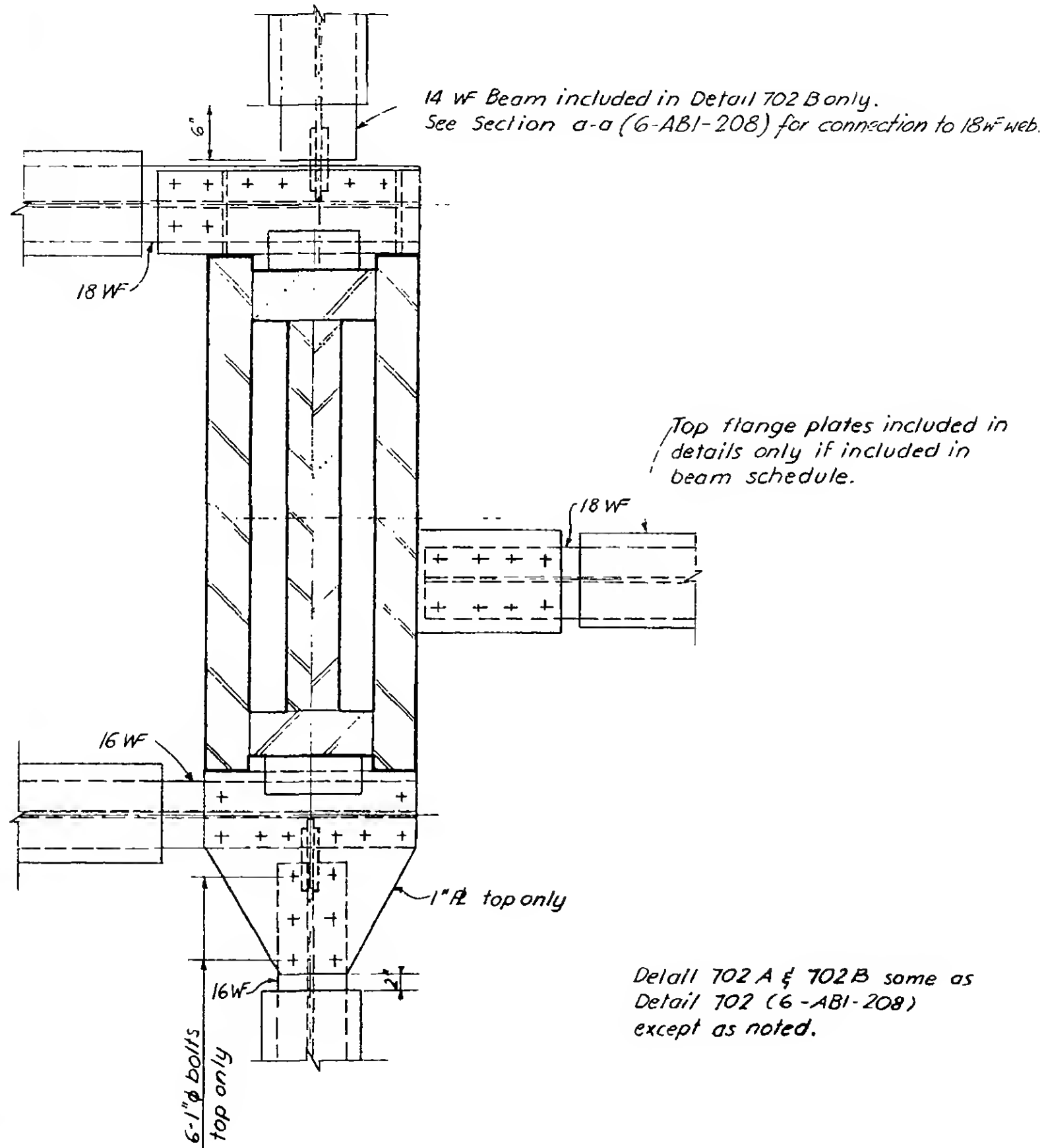
Section a-a

	SECTION X-X	SECTION Y-Y
PLATES		
P	2-Pls. 8 1/4 x 3 1/4	8 x 7 1/2
Q	8 3/4 x 1	8 x 1
R	8 3/4 x 1	8 x 1
DIMENSIONS		
A	21 1/4	12 1/4
B	15 0	15 4
BOLTS		
K	9-1 1/8 (A490)	8-1 (A490)
L	9-1 1/8 (A490)	8-1 (A490)
WELDS		
1	9/16	5/8
2	9/16	5/8
3	C.P.	C.P.
5	15/16	-
6	15/16	-



PROJECT *THE WORLD TRADE CENTER*TITLE *CONNECTION DETAIL 702 A, 702 B*DATE *2-9-68*

REVISIONS

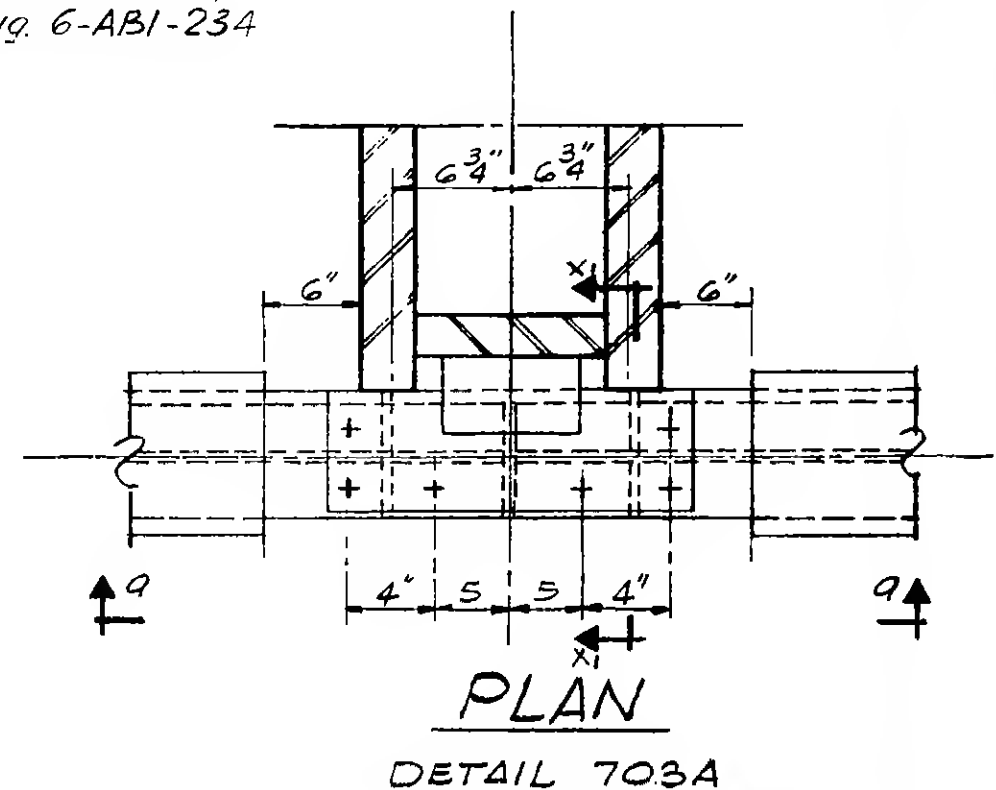
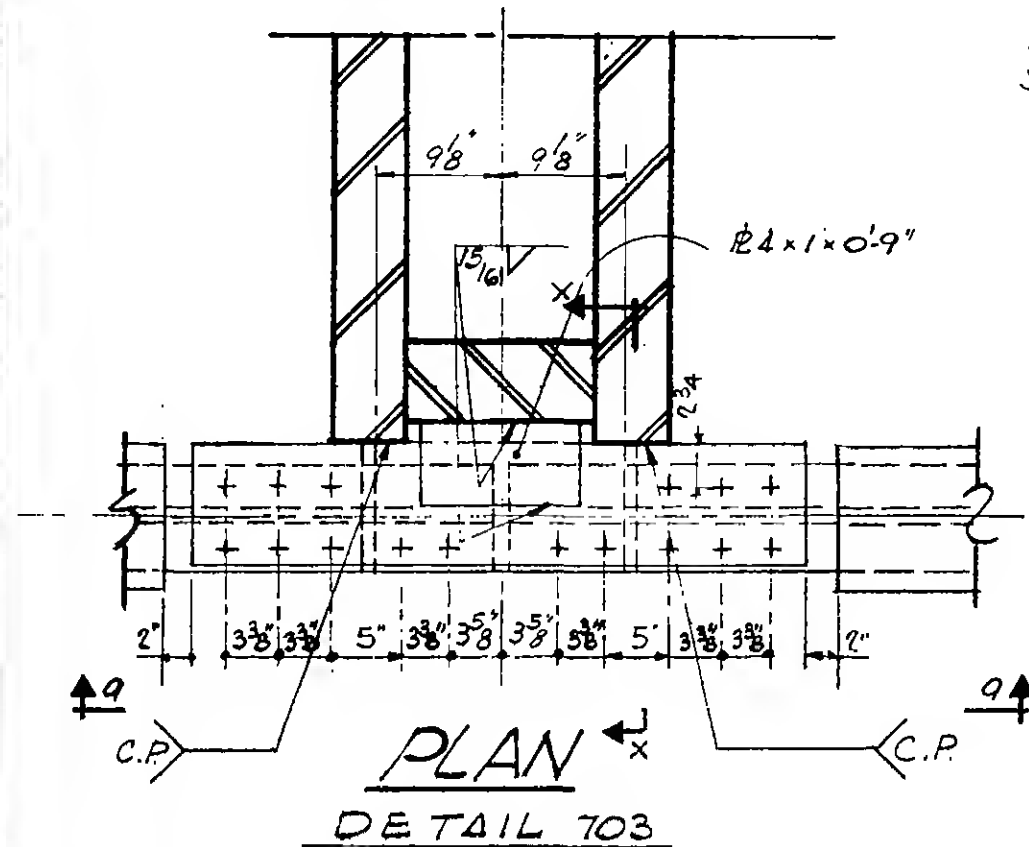


6-ABI-208.1

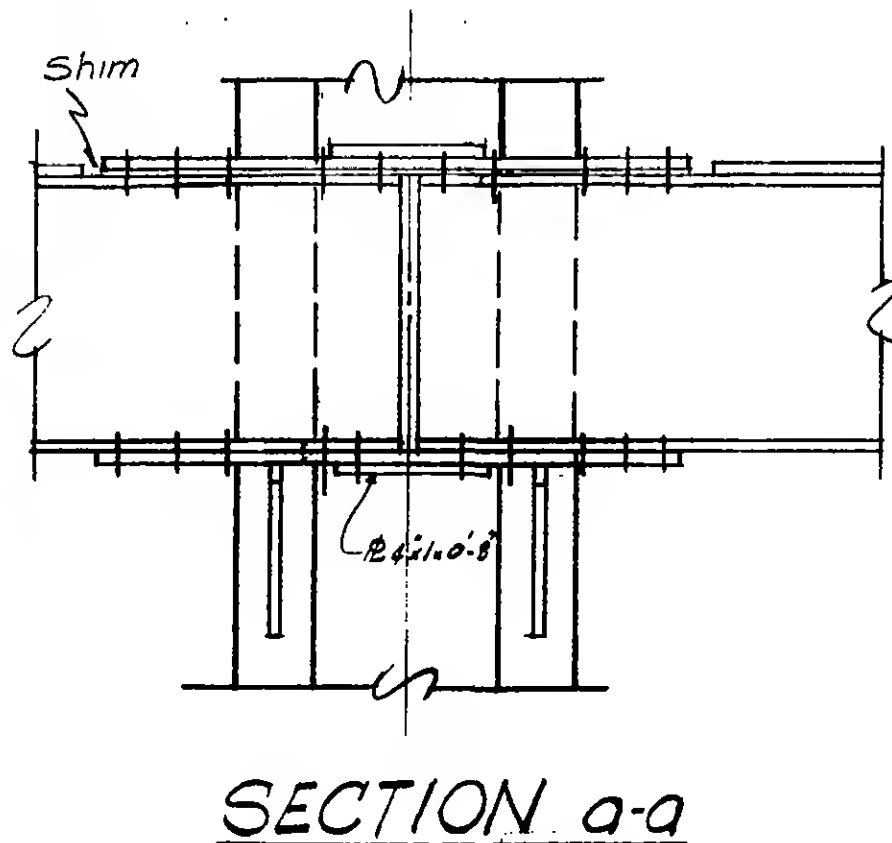
REVISIONS

6-30-67

For SECTION X-X, X₁-X₁
See Dwg. 6-ABI-234



Remainder of plan same as Detail 703



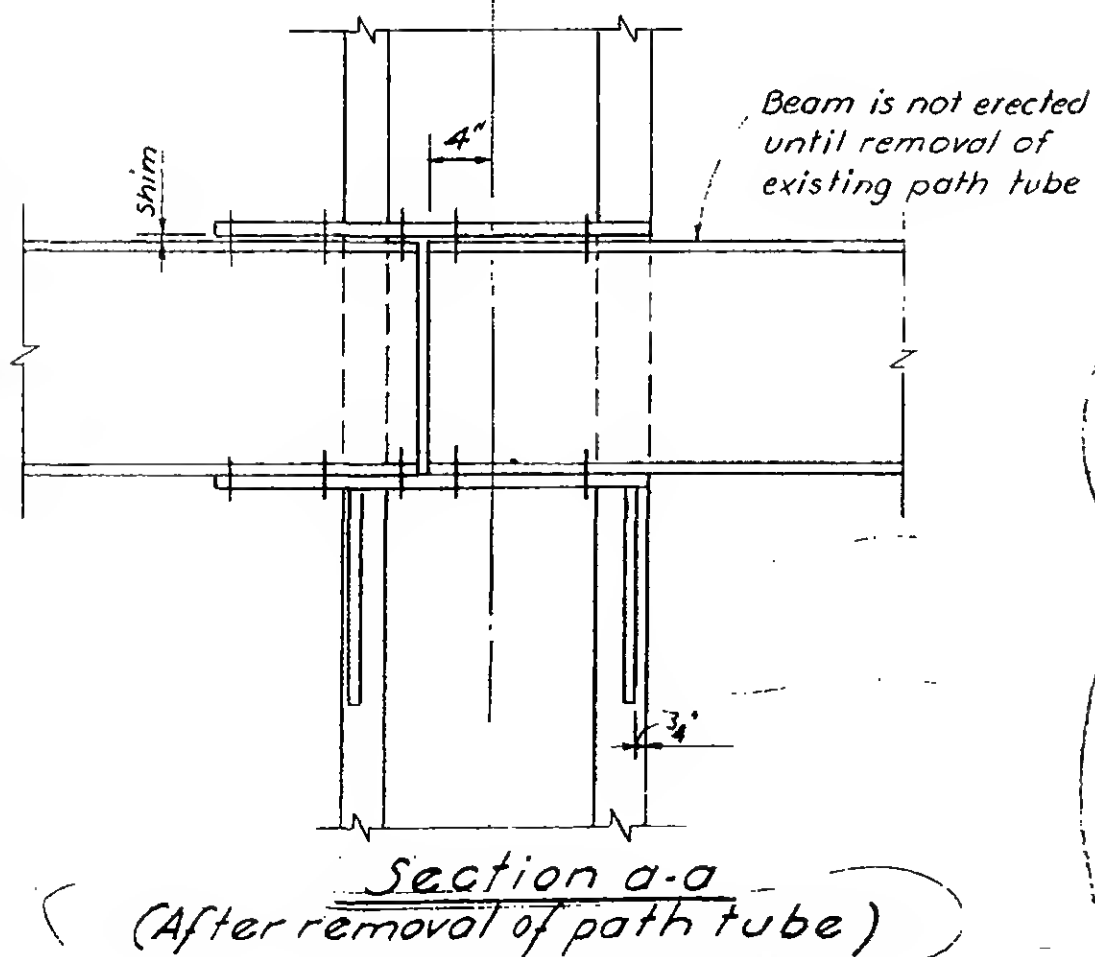
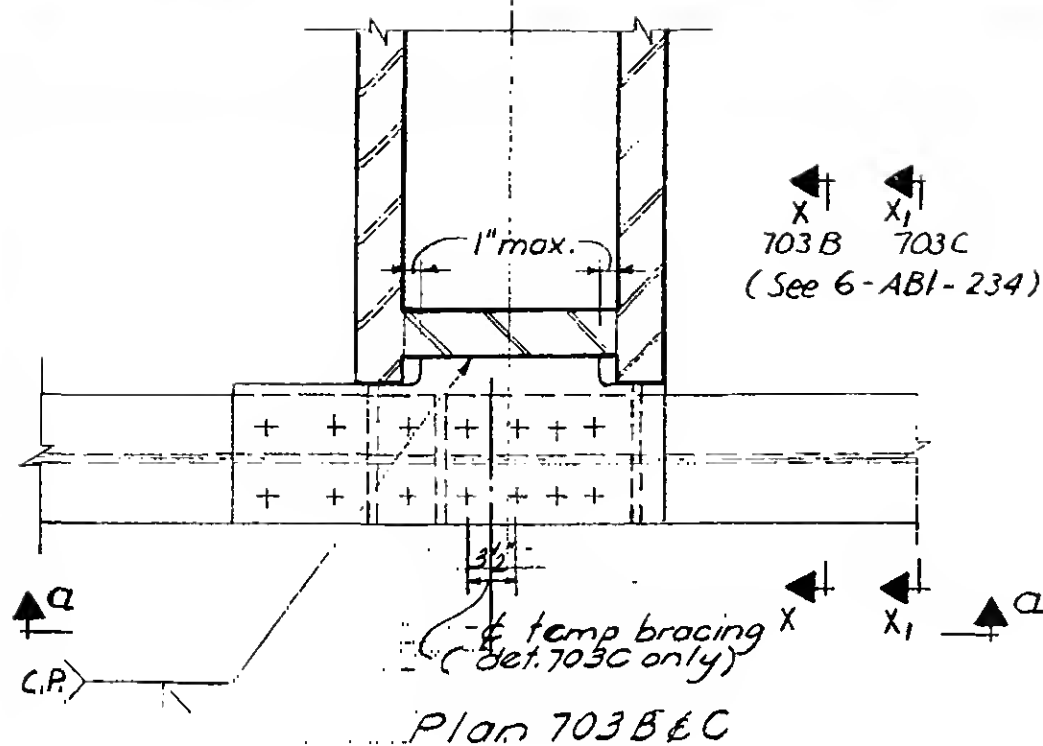
	SECTION X-X	SECTION X ₁ -X ₁
PLATES		
PL	2 PL 8 1/4\" x 3/4\"	2 PL 8 1/4\" x 5/8\"
PL	8 3/4\" x 1\"	8 3/4\" x 3/4\"
PL	8 3/4\" x 1\"	8 3/4\" x 3/4\"
DIMENSIONS		
A		
B	1'-0\"	1'-0\"
BOLTS		
K	16-1/8\" φ (A490)	16-1\" φ (A325)
L	16-1/8\" φ (A490)	16-1\" φ (A325)
WELDS		
①	9/16	1/2
②	9/16	1/2
③	C.P.	C.P.
⑤	15/16	9/16
⑥	15/16	9/16

6-ABI-209

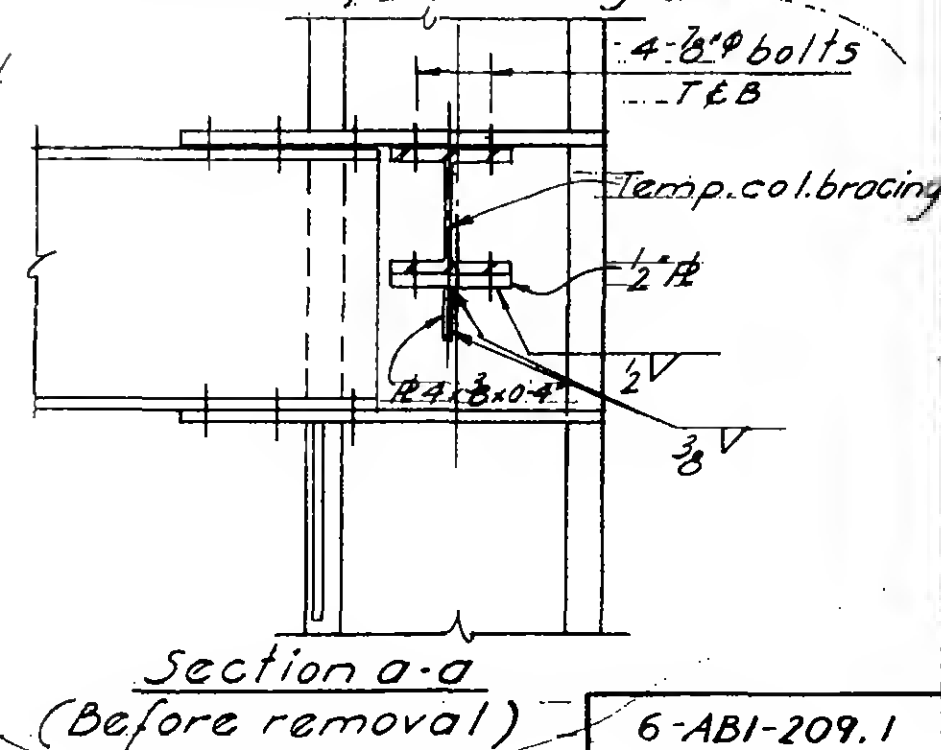


REVISIONS

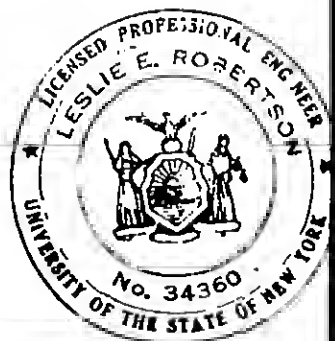
3-11-68



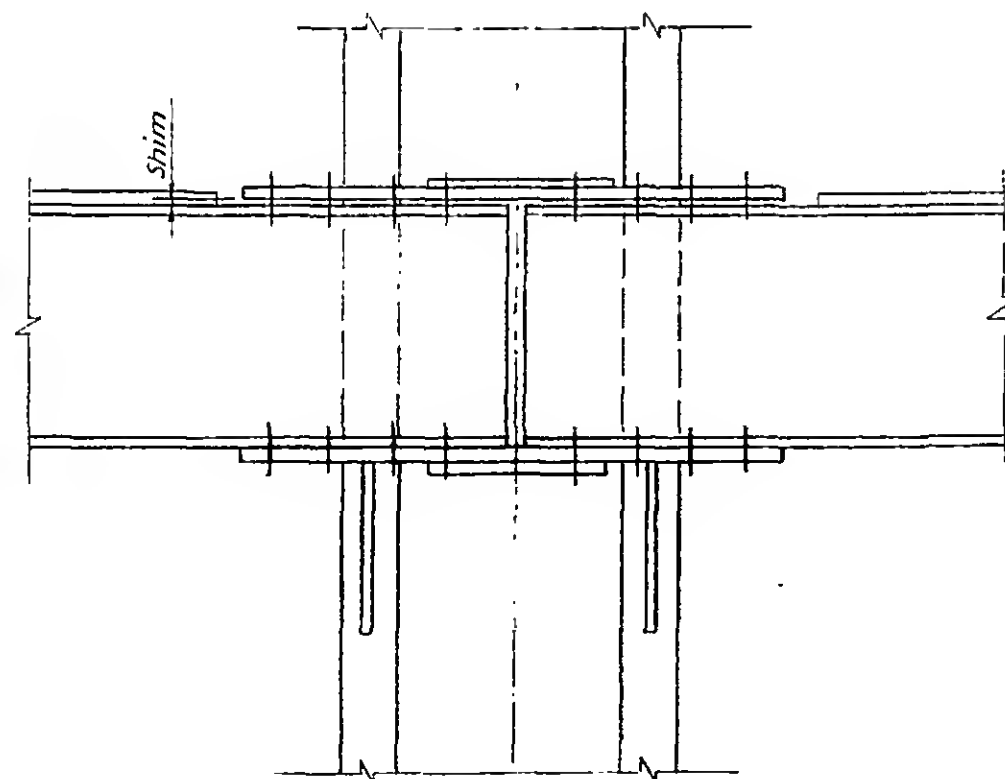
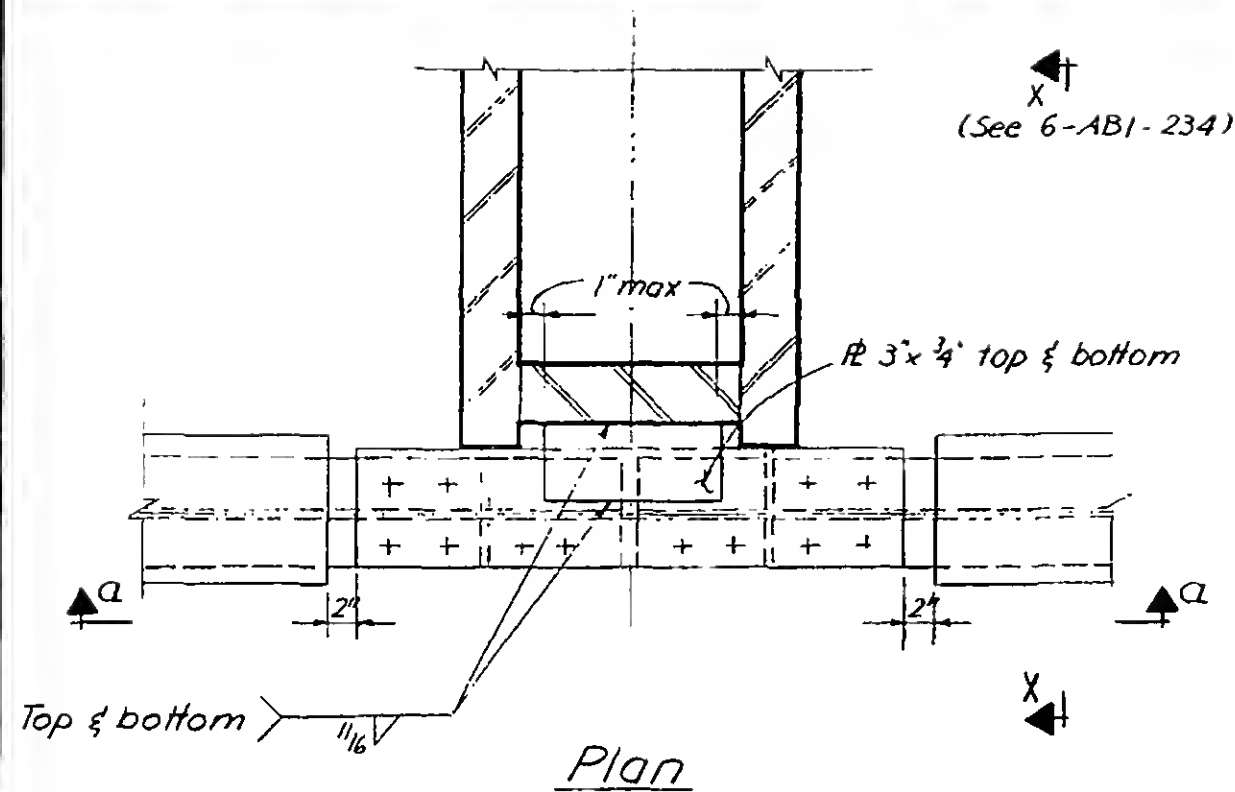
SCHEDULE		
	Section x-x	Section x ₁ -x ₁
PLATES		
P	2 P _s 8 1/4" x 3/4"	2 P _s 8" x 5/8"
Q	10 1/2" x 1"	8" x 3/4"
R	10 1/2" x 1"	8" x 3/4"
DIMENSION		
B	1'-0"	0'-9"
BOLTS		
K	16 - 1/8" φ (A490)	12 - 1" φ (A490)
L	16 - 1/8" φ (A490)	12 - 1" φ (A490)
WELDS		
1	9/16	1/2
2	9/16	1/2
3	C.P.	C.P.
4	—	—
5	—	—
6	—	—
7	—	—

For section x-x, x₁-x₁, see Dwg. 6-ABI-234

6-ABI-209.1



REVISIONS



Section a-a

SCHEDULE	
	Section x-x
PLATES	
P	2 - 8" x 5/8"
Q	8" x 1/4"
R	8" x 3/4"
DIMENSION	
B	0'-9"
BOLTS	
K	12 - 1" ϕ (A490)
L	12 - 1" ϕ (A490)
WELDS	
①	1/2
②	1/2
③	C.P.

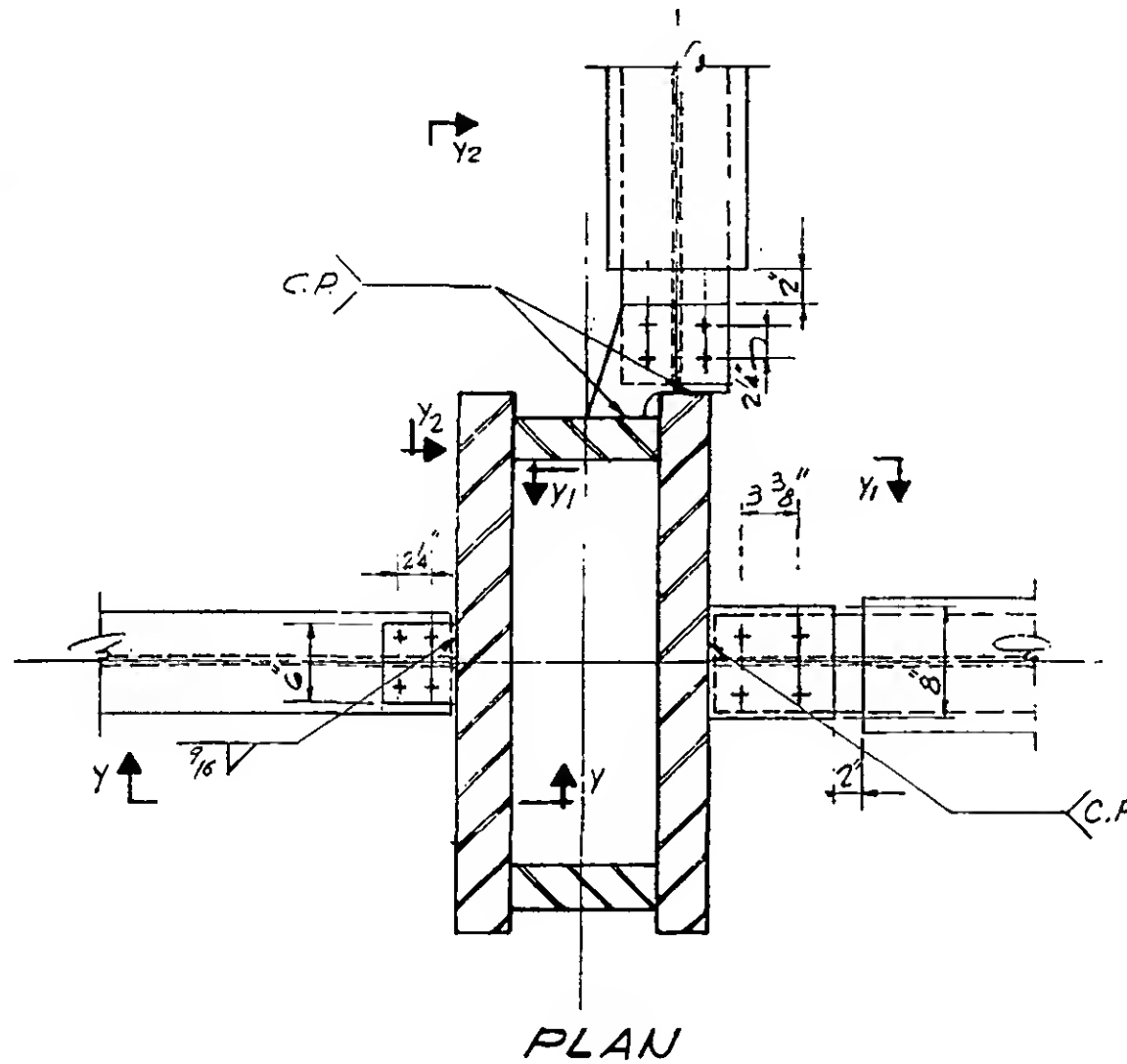


6-ABI-209.2

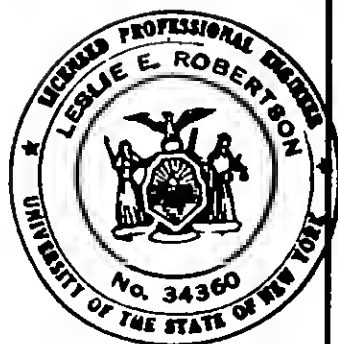
REVISIONS

6-30-67

NOTE:
For SECTION Y-Y, Y₁-Y₁, Y₂-Y₂
See Dwg. 6-AB1-234

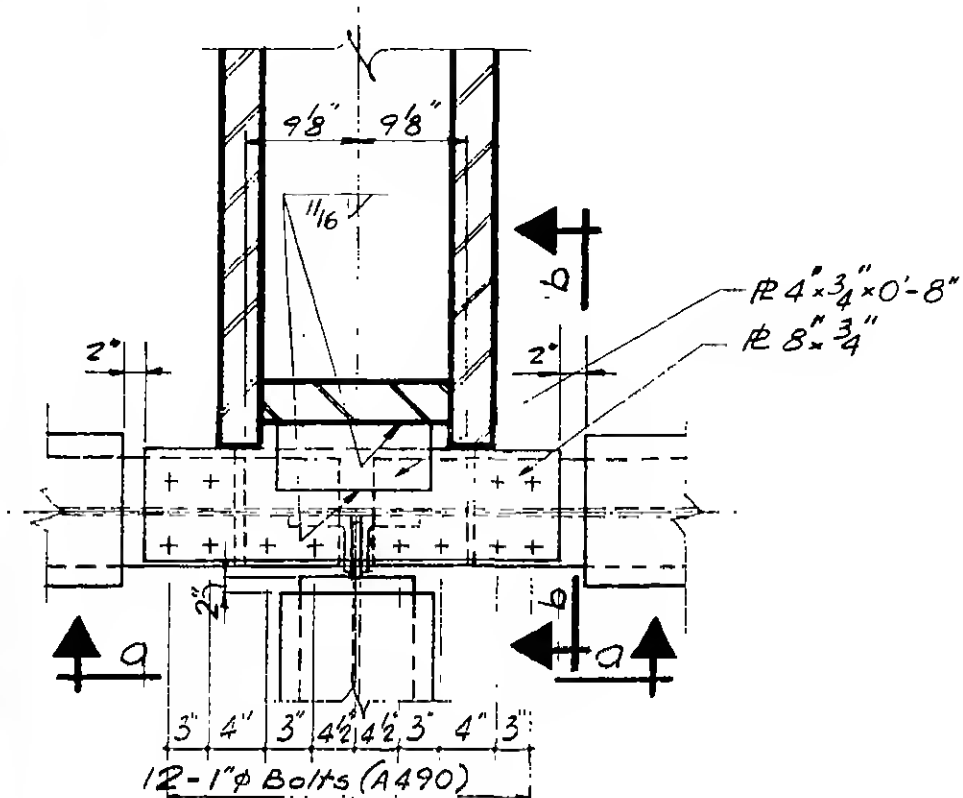


	SECTION Y-Y	SECTION Y ₁ -Y ₁	SECTION Y ₂ -Y ₂
PLATES			
P P	5 1/2" x 1/2"	6" x 5/8"	5 1/2" x 1/2"
P Q	6 1/4" x 5/8"	9" x 3/4"	Same as P R
P R	6 1/4" x 5/8"	9" x 3/4"	1/2"
DIMENSIONS			
A	0'-10 1/4"	0'-11"	3'-2 1/4"
B	0'-6"	1'-0"	0'-8"
BOLTS			
K	4-3/4" φ (A325)	4-1/8" φ (A490)	4-3/4" φ (A325)
L	4-3/4" φ (A325)	4-1/8" φ (A490)	4-3/4" φ (A325)
WELDS			
(1)	3/8	1/2	3/8
(2)	3/8	1/2	3/8
(3)	—	C.P.	C.P.
(4)	9/16	—	—

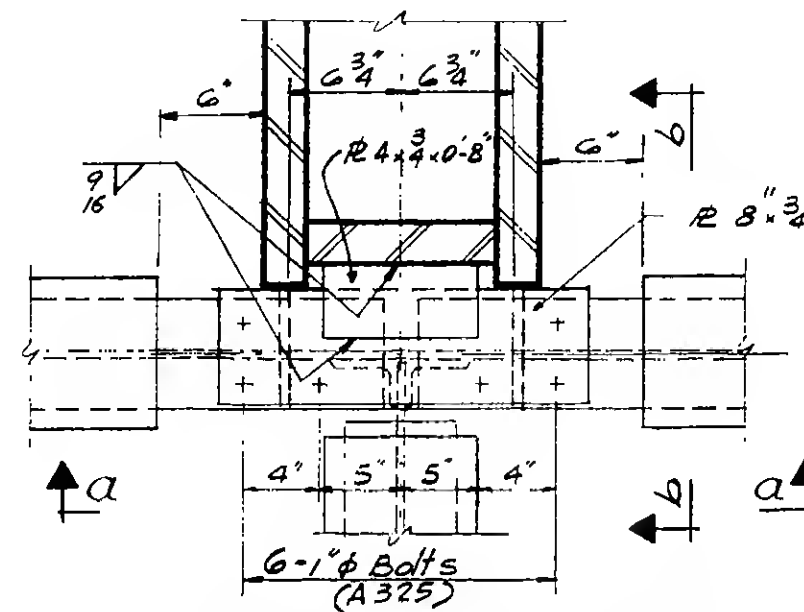


REVISIONS

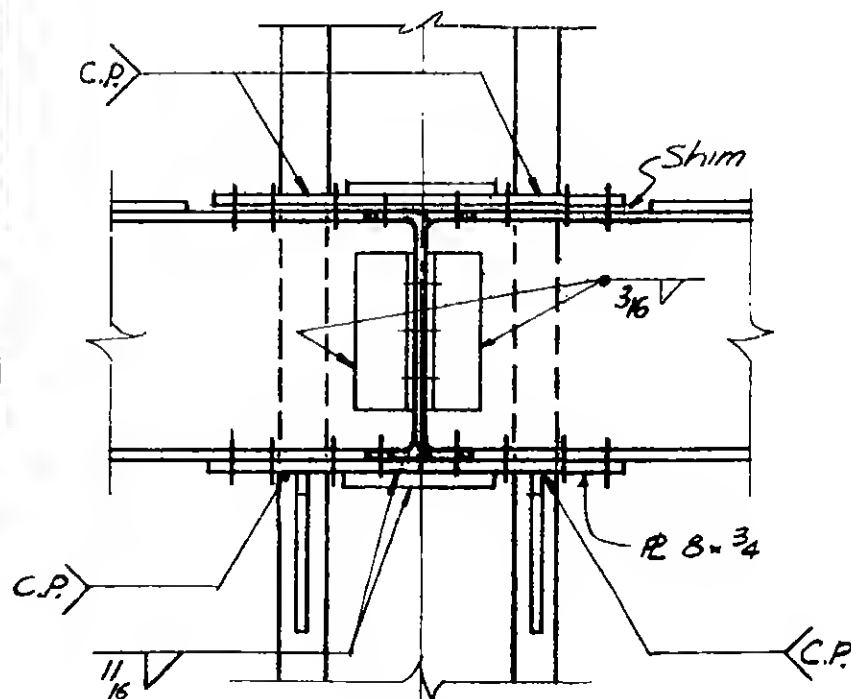
6.30-67



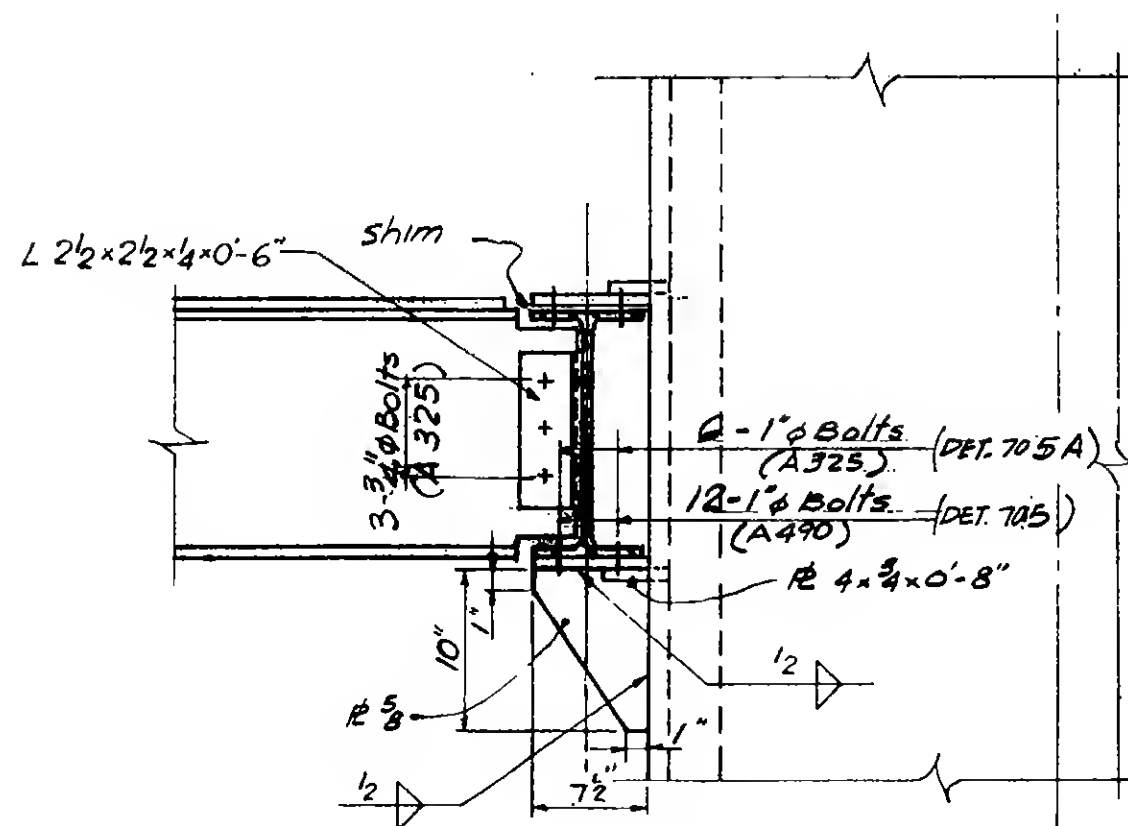
PLAN of DETAIL 705



PLAN of DETAIL 705 A
Remainder of Plan same as Detail 705



SECTION a-a



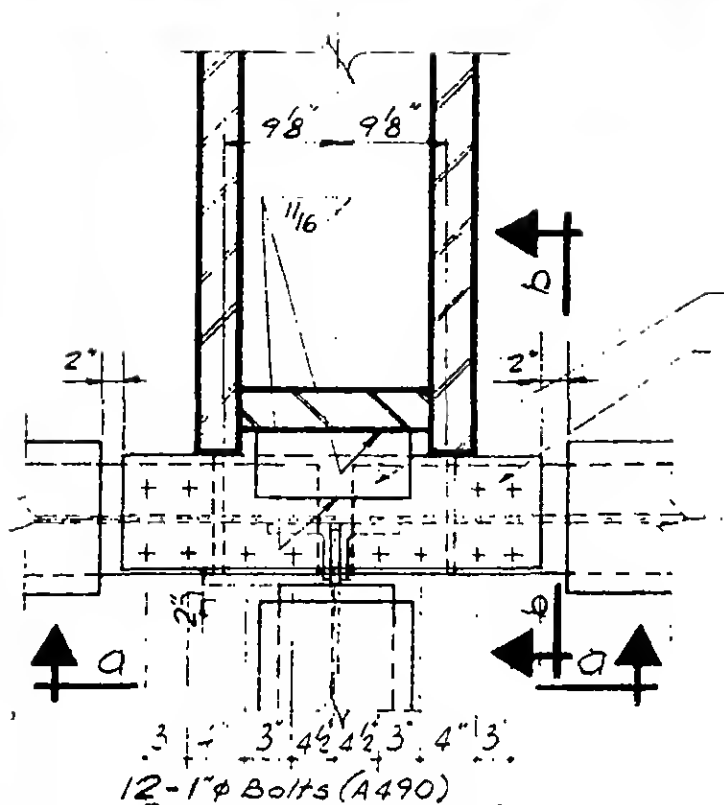
SECTION b-b



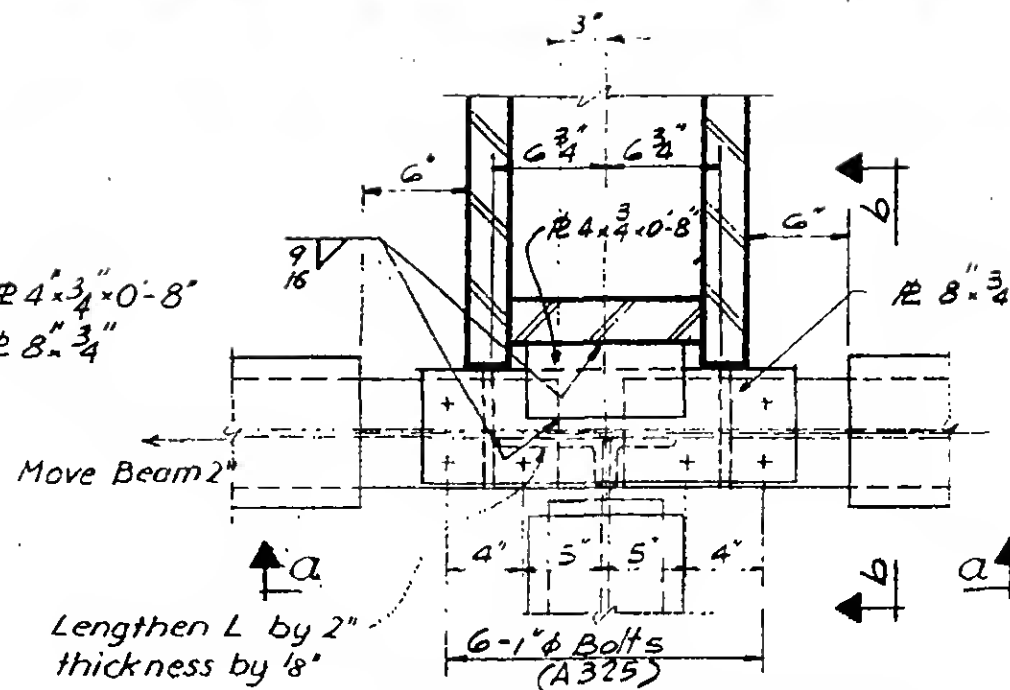
6-ABI-211

REVISIONS

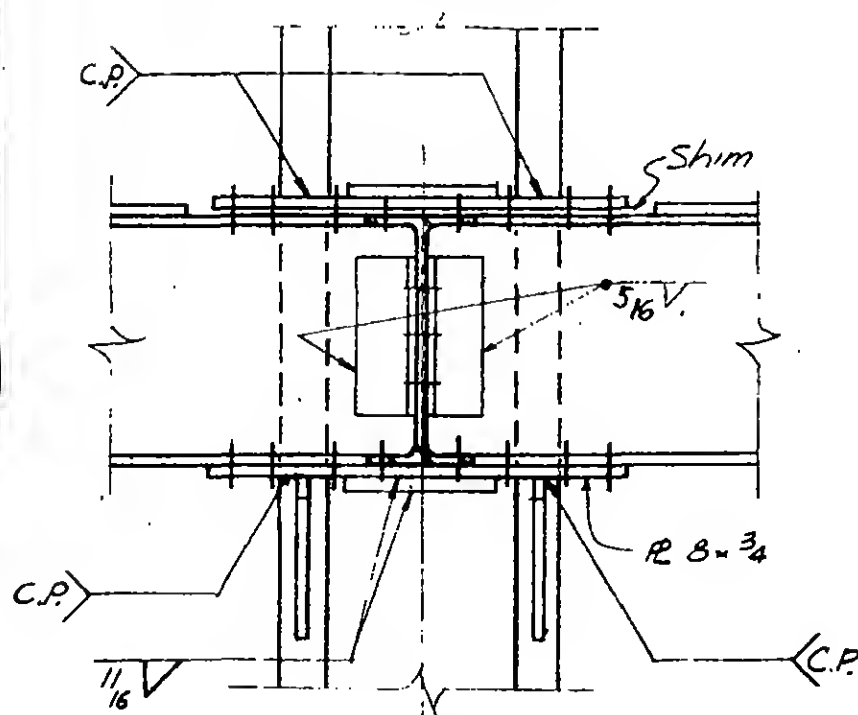
6-30-67
11-17-67



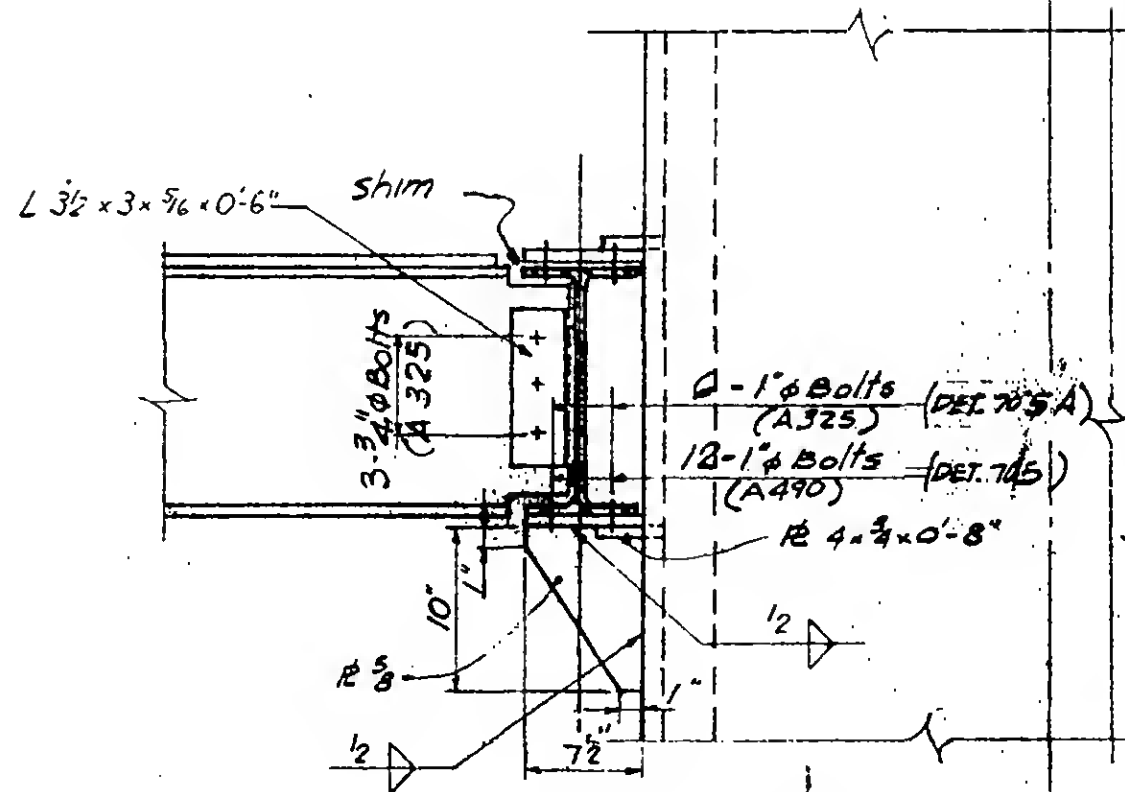
PLAN of DETAIL 705



PLAN of DETAIL 705 A
Remainder of Plan same as Detail 705



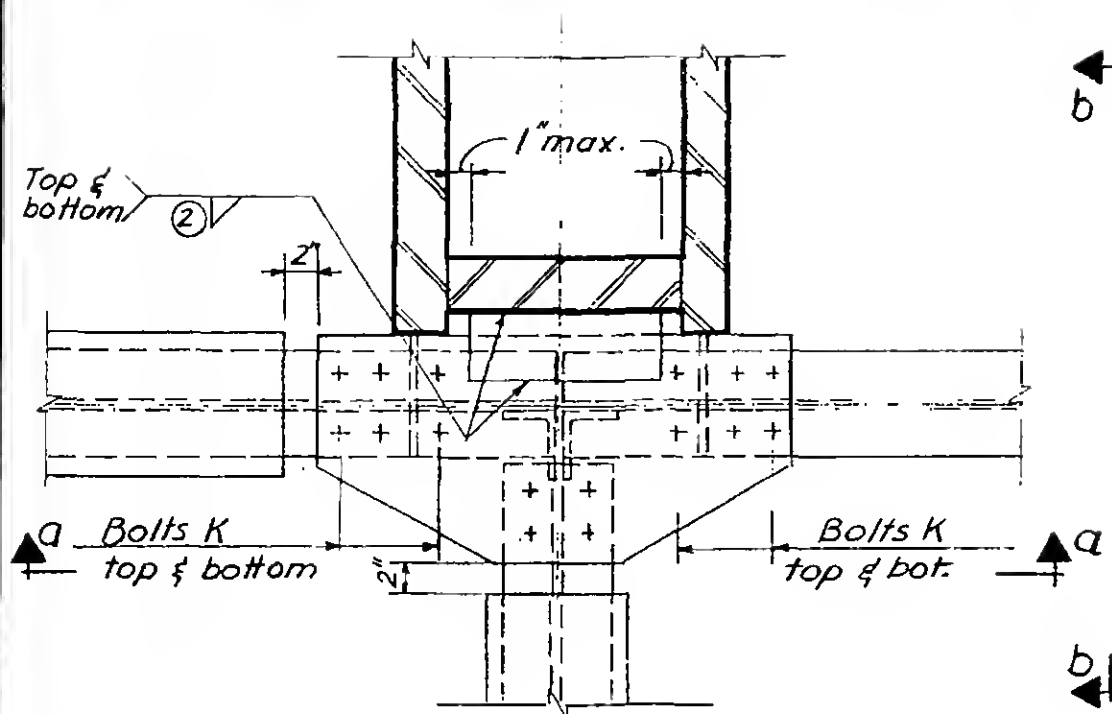
SECTION a-a



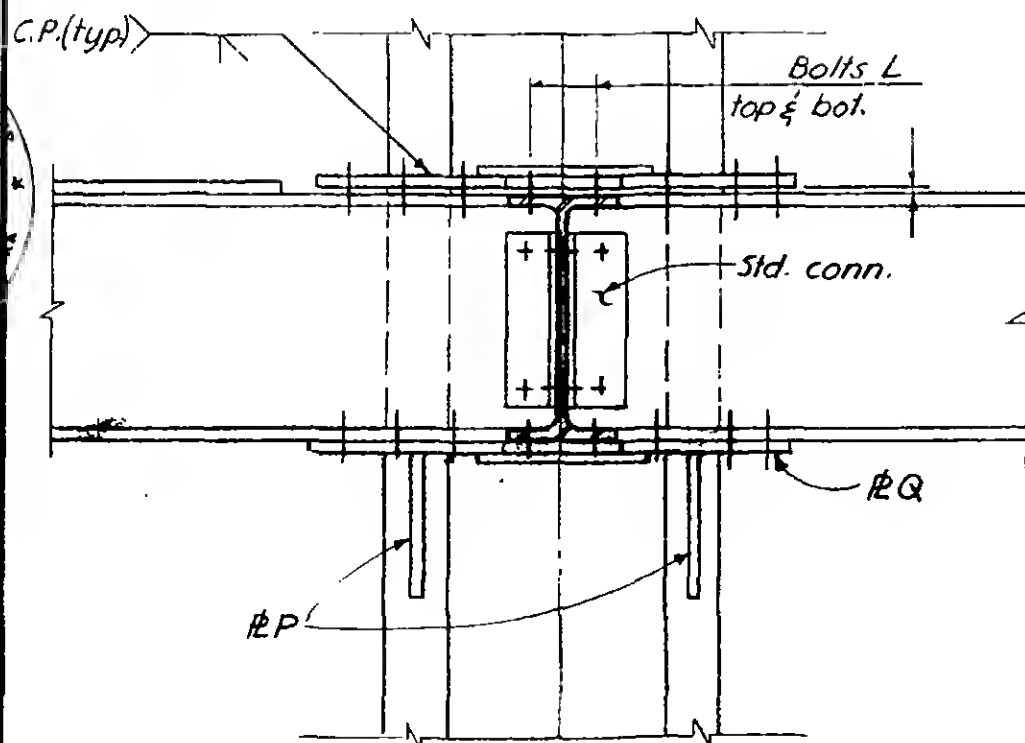
SECTION b-b



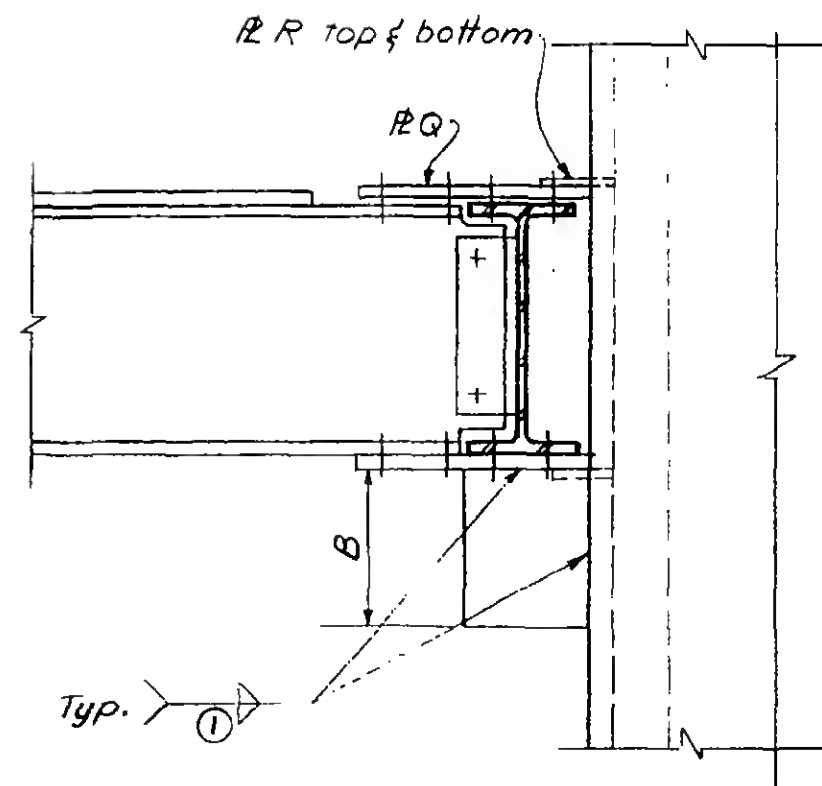
REVISIONS



Plan



Section a-a



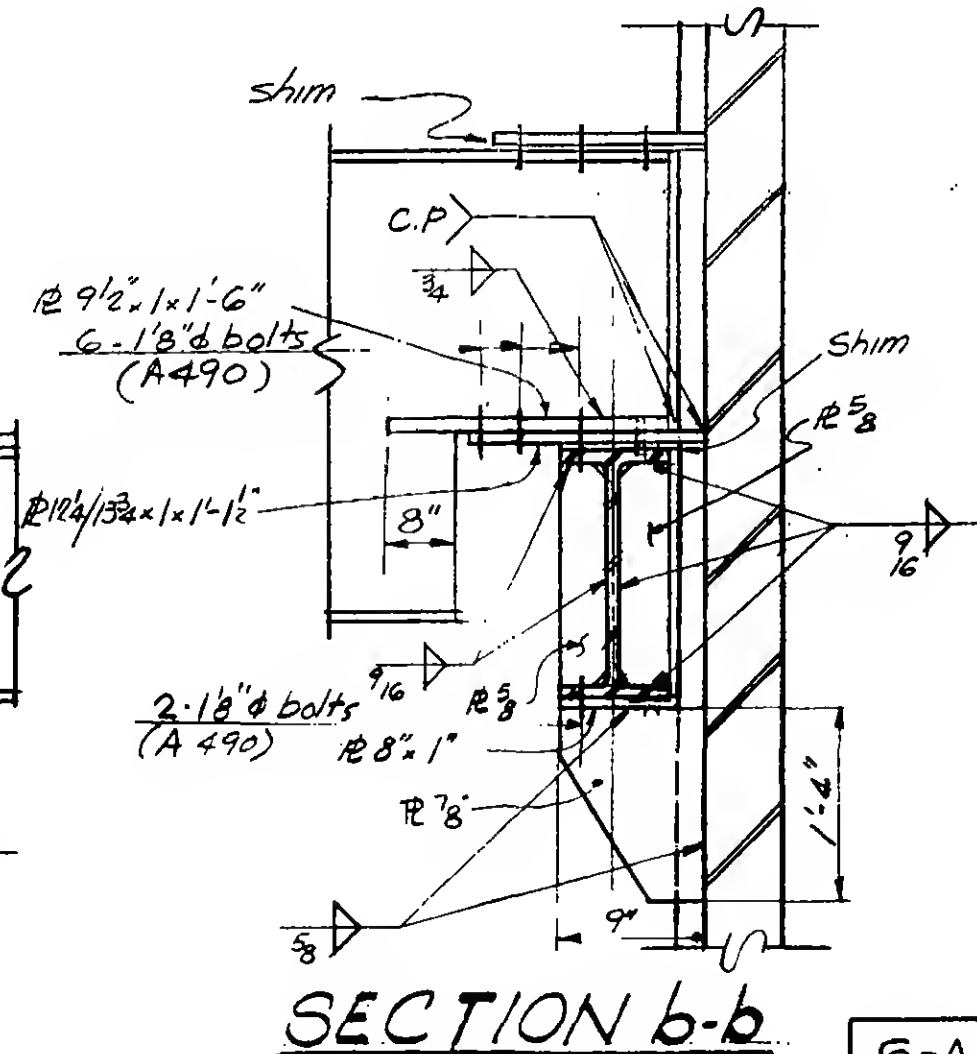
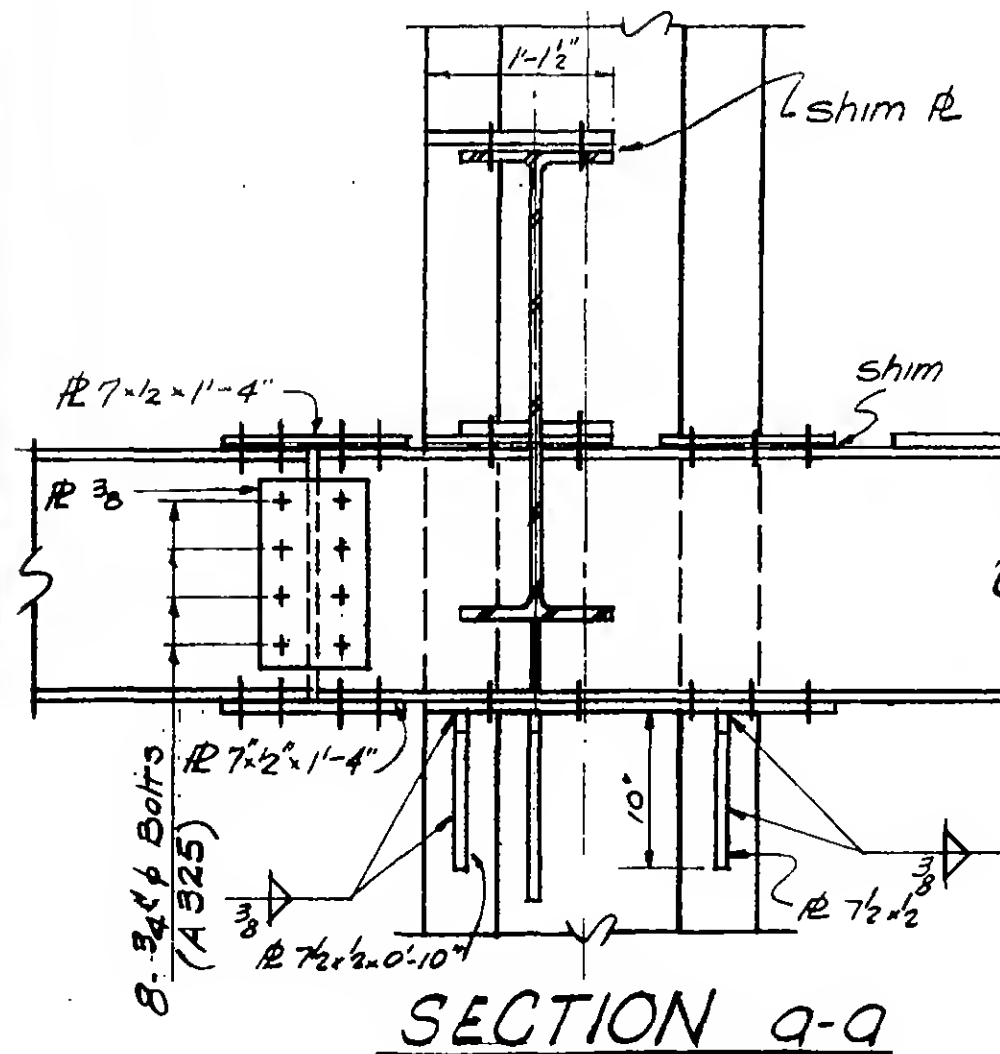
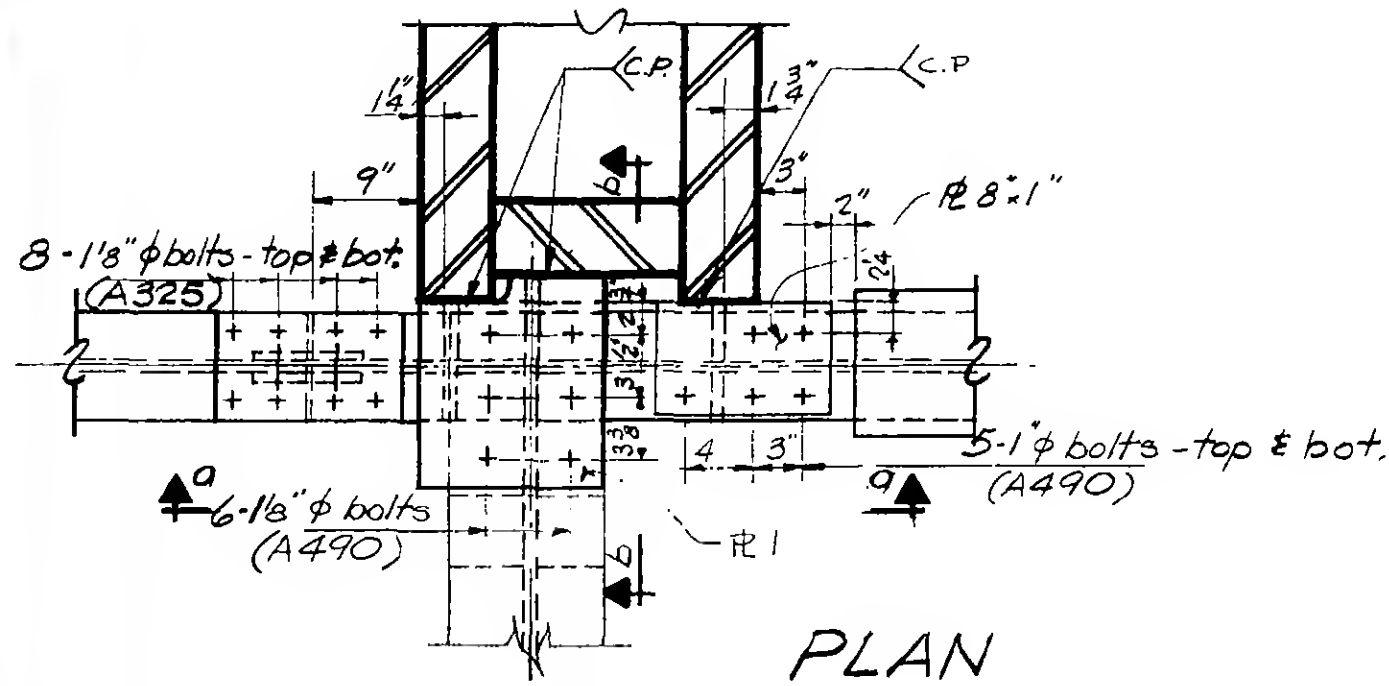
Section b-b

	705 B	705 C
PLATES		
P	2 $\frac{1}{2}$ 8" x 58"	2 $\frac{1}{2}$ 8" x 58"
Q	$\frac{1}{4}$ "	1"
R	3" x $\frac{7}{8}$ "	4" x 1"
DIMENSION		
B	0'-9"	1'-0"
BOLTS		
K	6-1" ϕ (A490)	8-18" ϕ (A490)
L	8- $\frac{7}{8}$ " ϕ (A325)	8- $\frac{7}{8}$ " ϕ (A325)
WELDS		
①	$\frac{1}{2}$	$\frac{1}{2}$
②	$\frac{7}{8}$	$\frac{15}{16}$
Std. Conn.	39.8 k	70.7 k



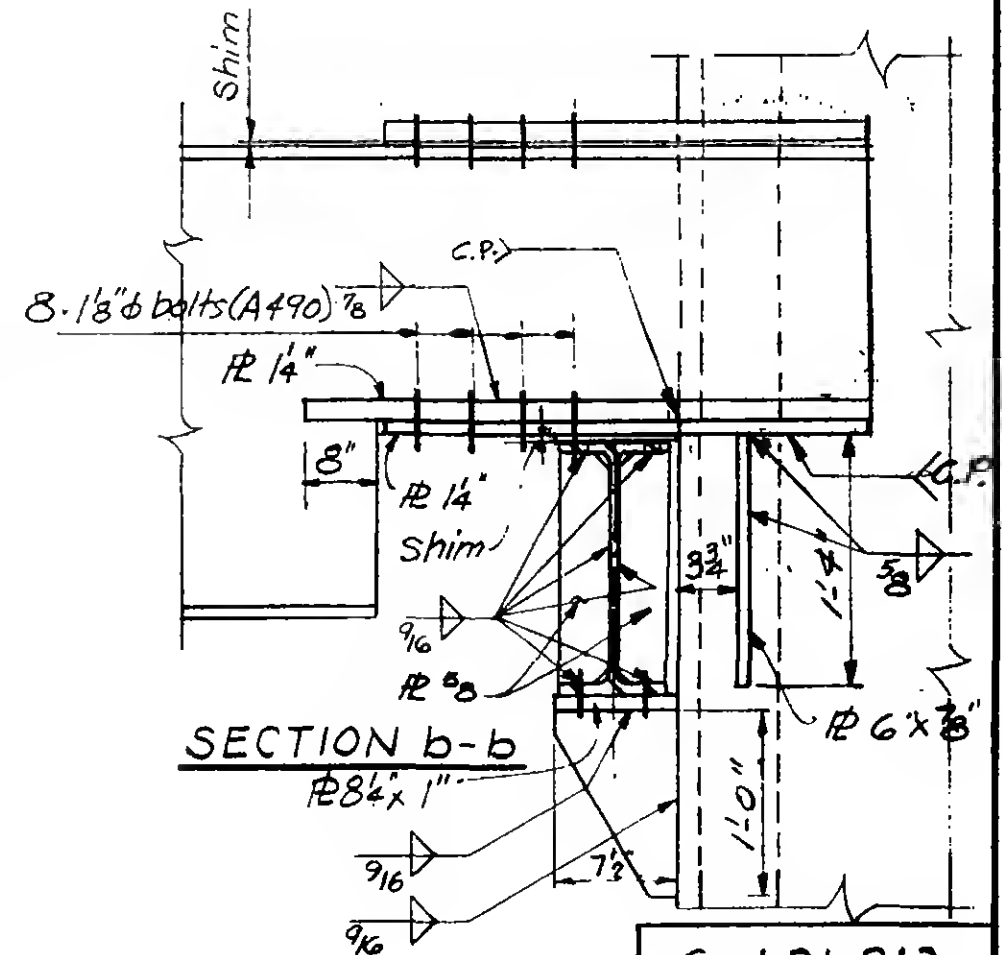
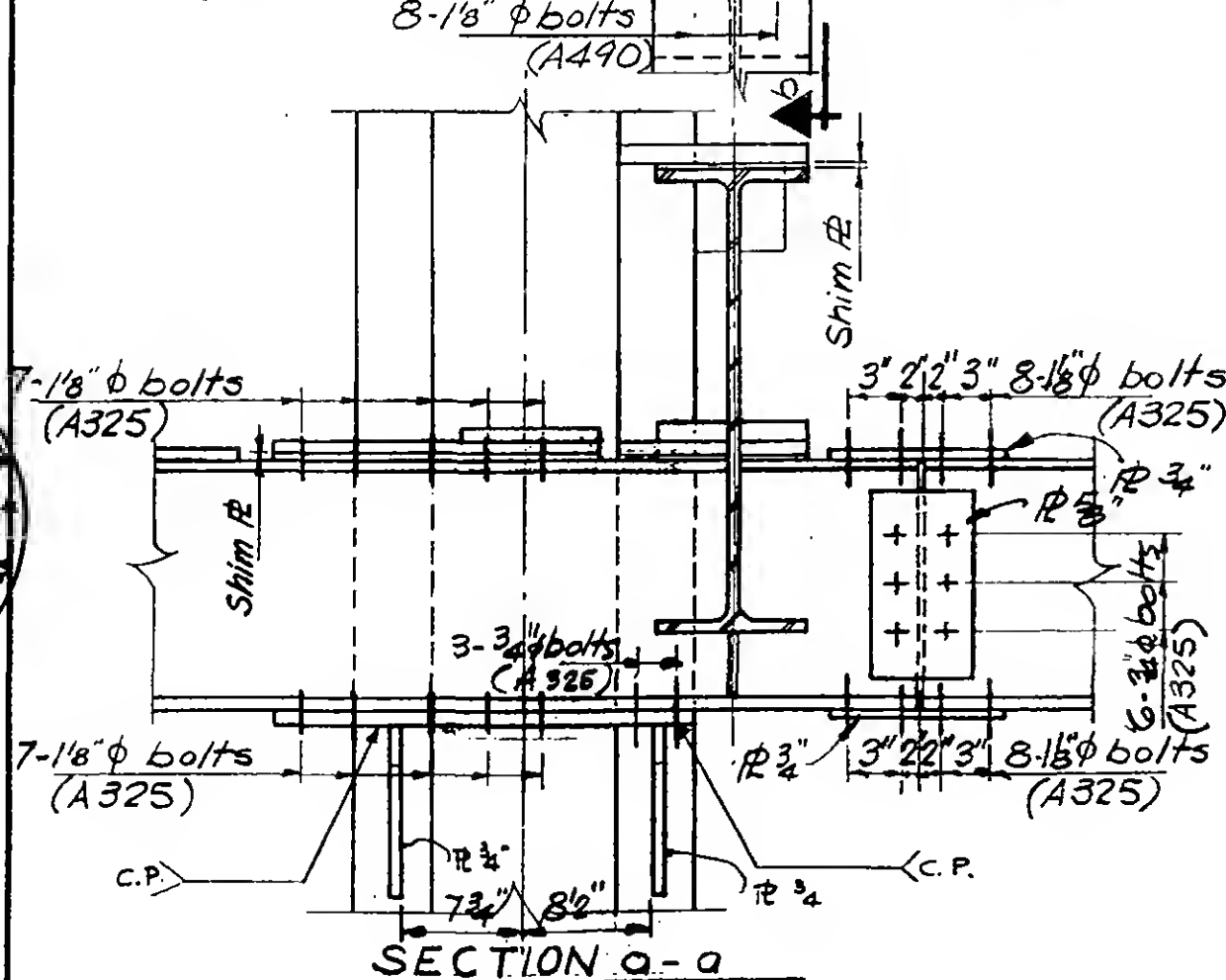
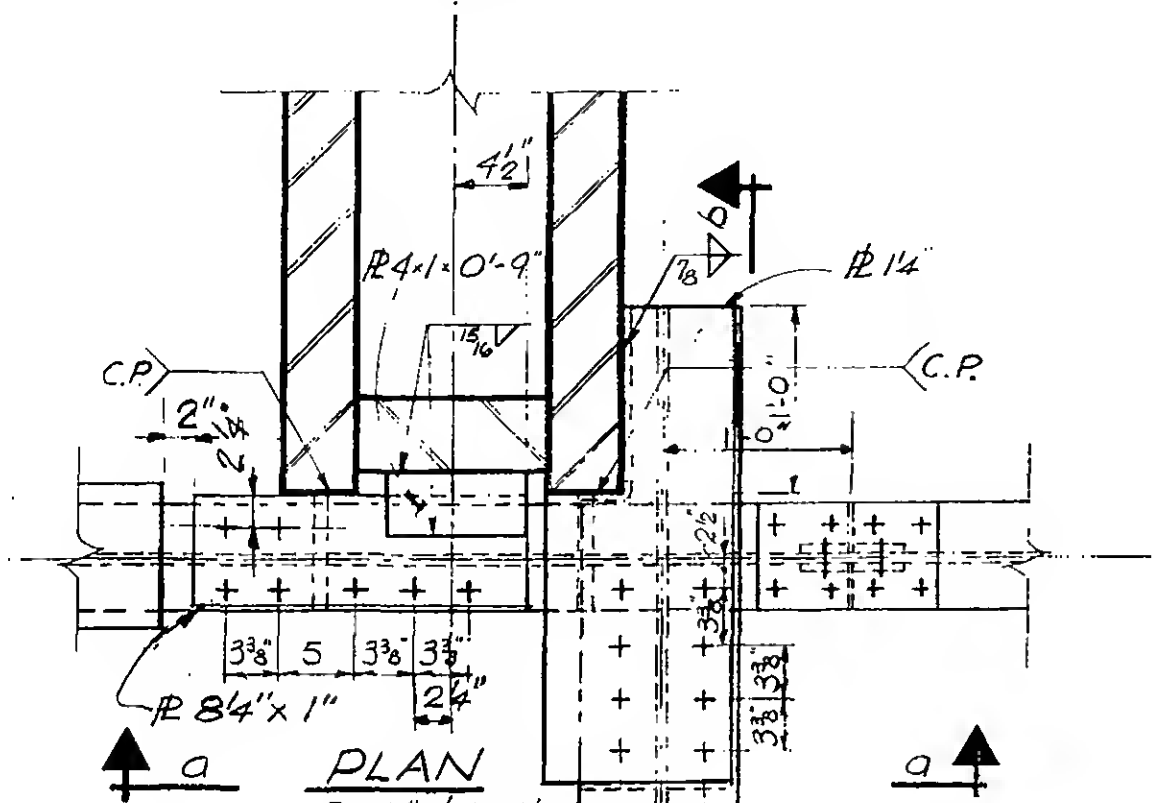
REVISIONS

6-30-67



REVISIONS

6-30-67

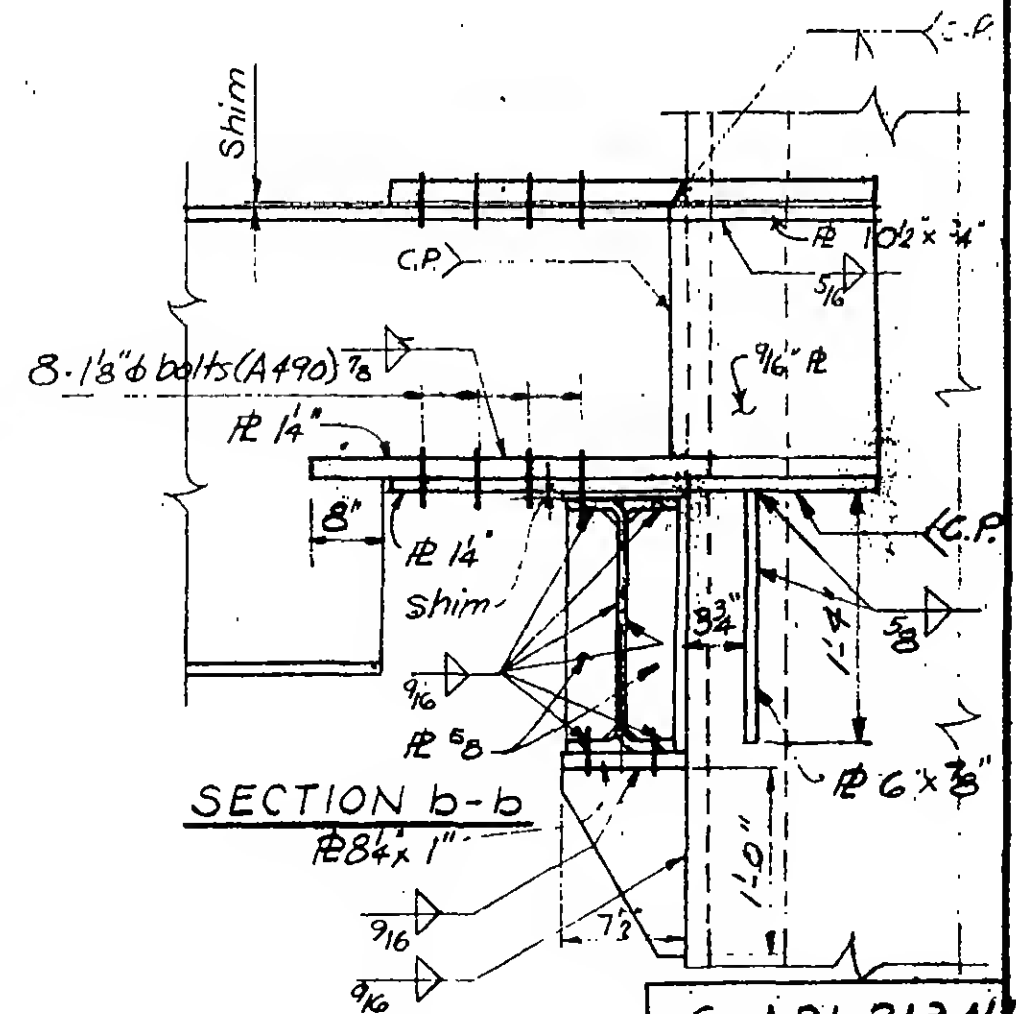
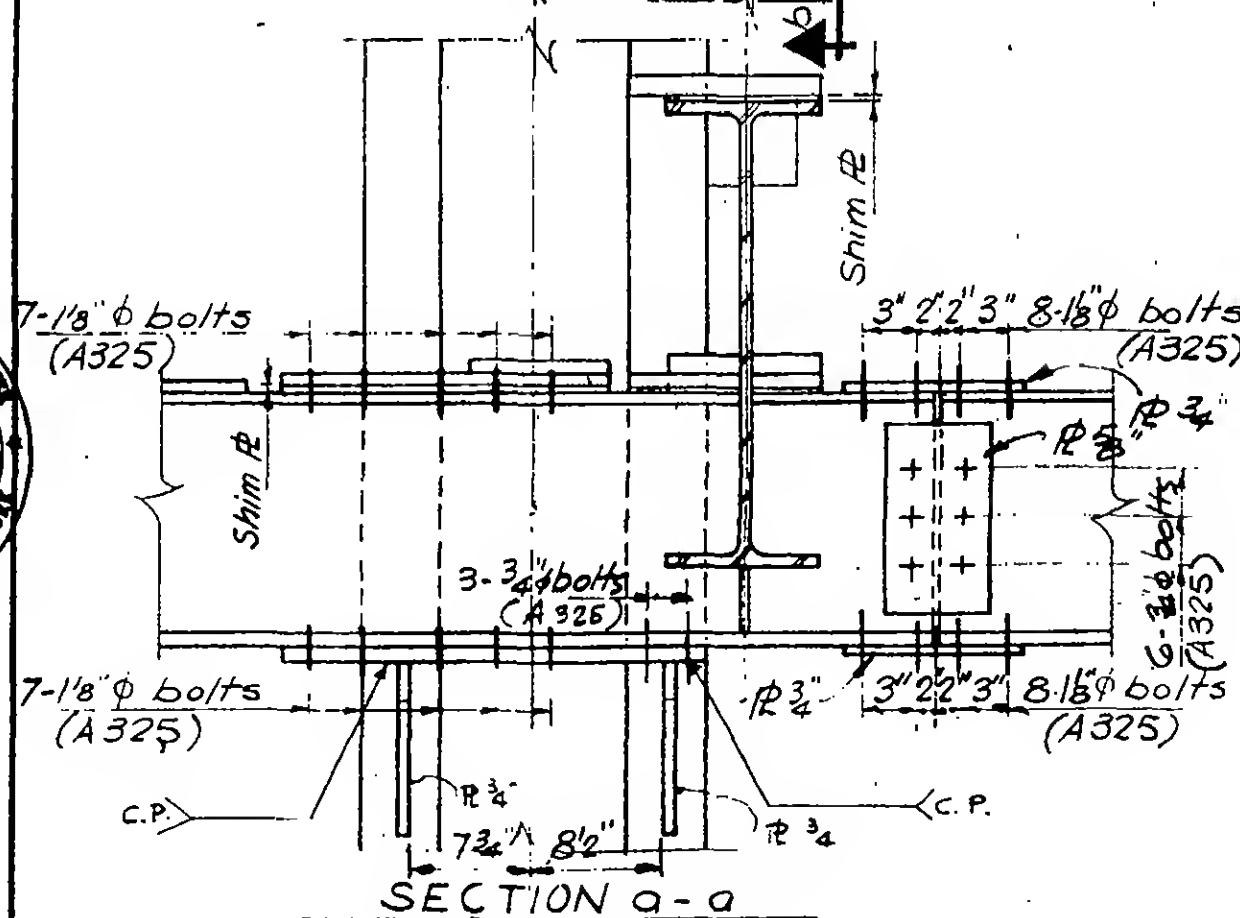
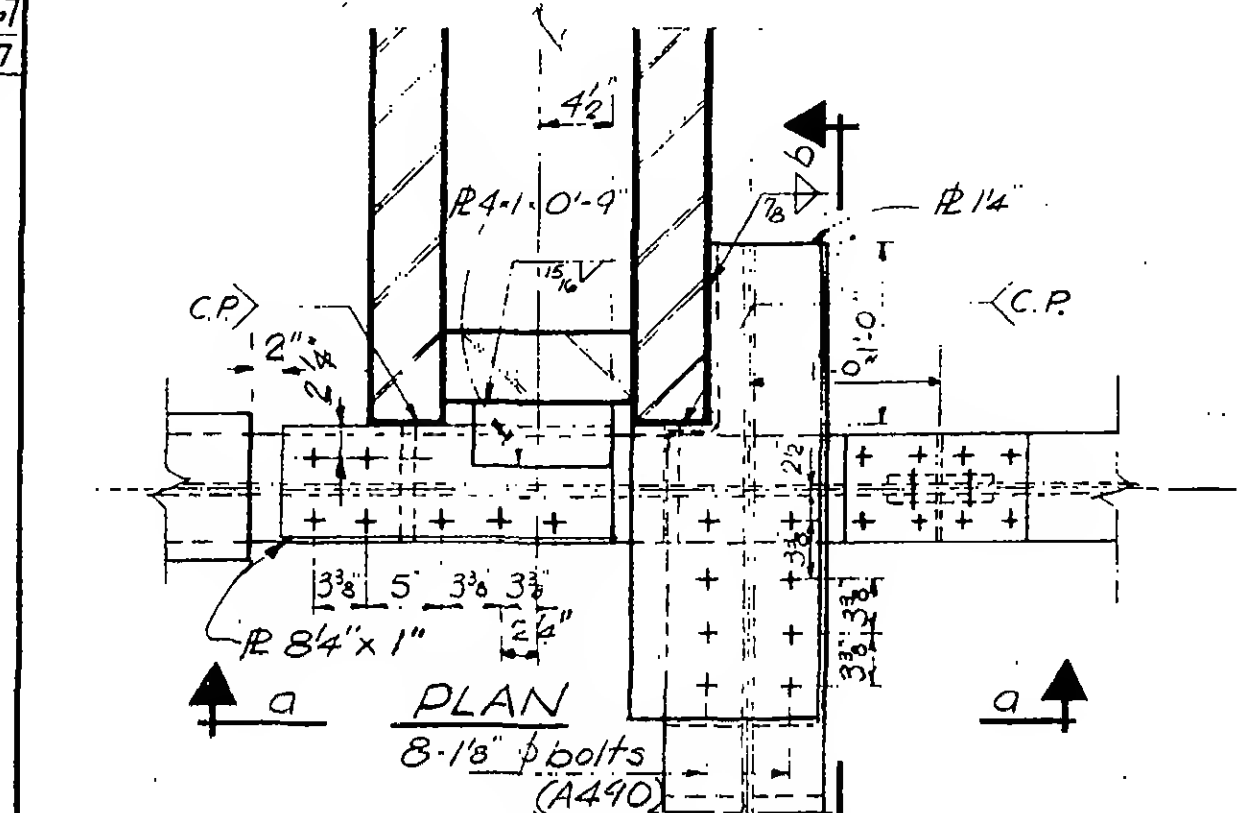


6-AB1-213

REVISIONS

6-30-67

11-17-67



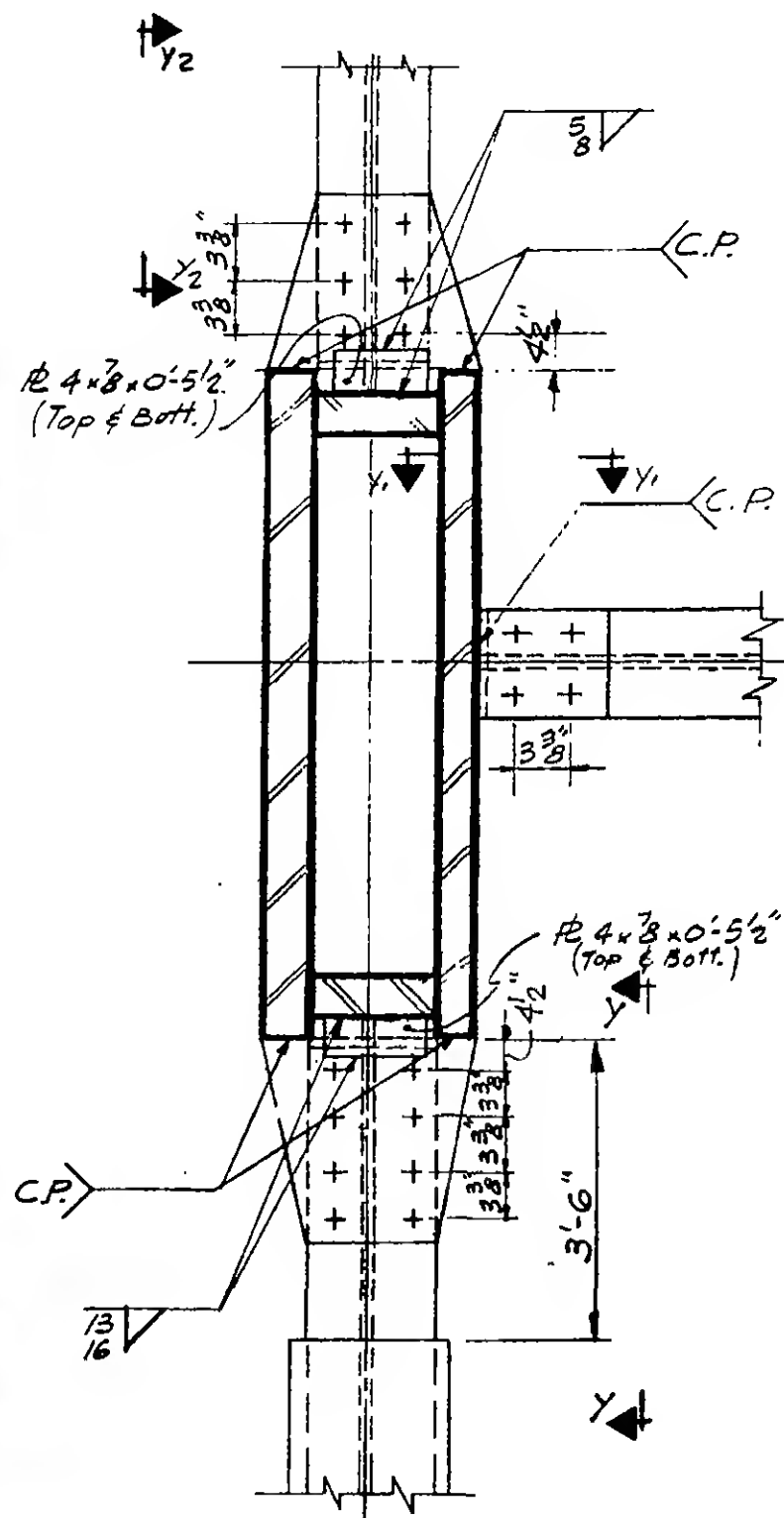
6-AB1-213AL



REVISIONS

6-30.67

For SECTIONS $y-y$, y_1-y_1 , y_2-y_2
See Dwg. G-ABI-234



Plan

	SECTION Y-Y	SECTION Y ₁ -Y ₁	SECTION Y ₂ -Y ₂
PLATES			
P P	8" x 3/4"	5" x 5/8"	5" x 5/8"
Q Q	Same as P P	7" x 3/4"	Same as P P
R R	7/8"		7/8"
DIMENSIONS			
A	2'-2 1/2"	0'-10"	2'-2 1/2"
B	1'-2"	0'-9"	0'-9"
BOLTS			
K	8-1/8" φ (A490)	4-1/8" φ (A325)	6-1/8" φ (A490)
L	8-1/8" φ (A490)	4-1/8" φ (A325)	6-1/8" φ (A490)
WELDS			
①	9/16	7/16	7/16
②	9/16	7/16	7/16
③	C.P.	C.P.	C.P.
⑤	13/16	—	5/8
⑥	13/16	—	5/8



6-ABI-214

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 709, 709A 709B

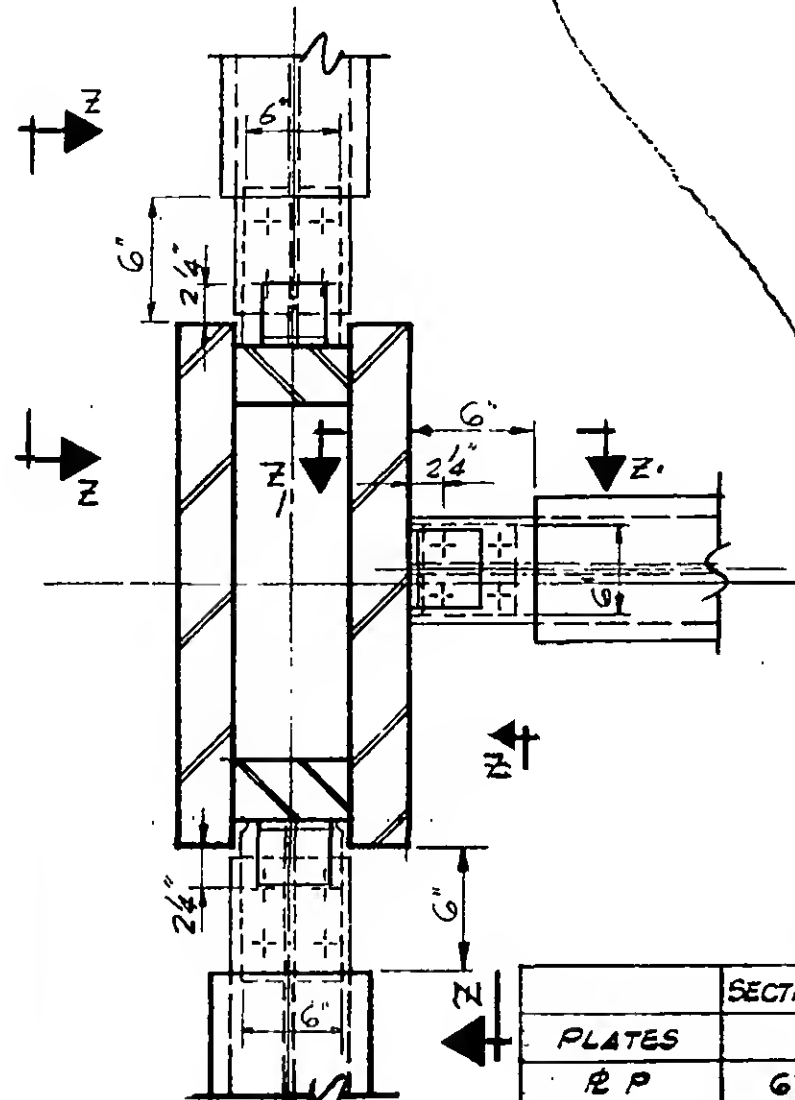
DATE 6-12-67

REVISIONS

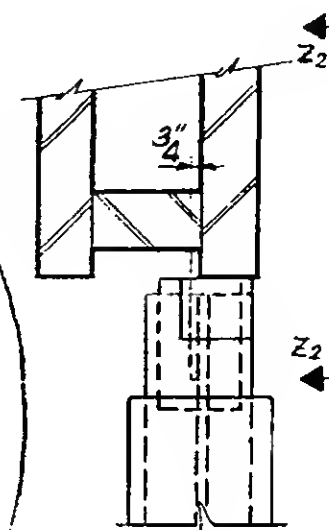
6-30-67

2-9-68

For SECTIONS Z-Z, Z₁-Z₁, Z₂-Z₂ & Y-Y
See Dwg. 6-ABI-234



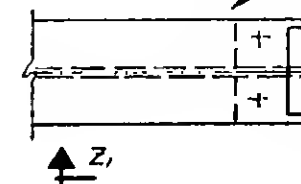
PLAN
DET. 709



PLAN
DET. 709A
Remainder of plan same
as Det. 709

3/8" x 2' x 0'-6"
Top & bott.

Beam is erected
after removal of
existing path tube



3/8" x 2' x 0'-6"
Top & bott.

PLAN
DET. 709B
Remainder of plan same
as Det. 709

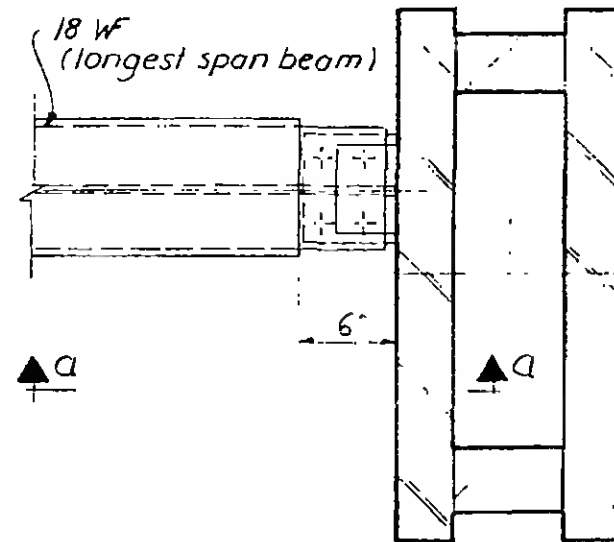
	SECTION Z-Z	SECTION Z ₁ -Z ₁	SECTION Z ₂ -Z ₂	SECTION Y-Y
PLATES				
P P	6" x 5/8"	6" x 5/8"	8" x 3/4"	6" x 5/8"
P Q	7 1/2" x 5/8"	6 1/4" x 5/8"	6 1/2" x 1/2"	14" x 5/8"
P R				14" x 5/8"
DIMENSIONS				
B	1'-0"	1'-0"	1'-0"	1'-0"
BOLTS				
L	4-3/4" φ (A325)	4-3/4" φ (A325)	4-3/4" φ (A325)	8-1" φ
K	—	—	—	8-1" φ
WELDS				
(1)	1/2	1/2	9/16	1/2
(2)	1 1/2	1/2	9/16	1/2
(3)	—	—	C.P.	C.P.
(4)	9/16	9/16	—	—



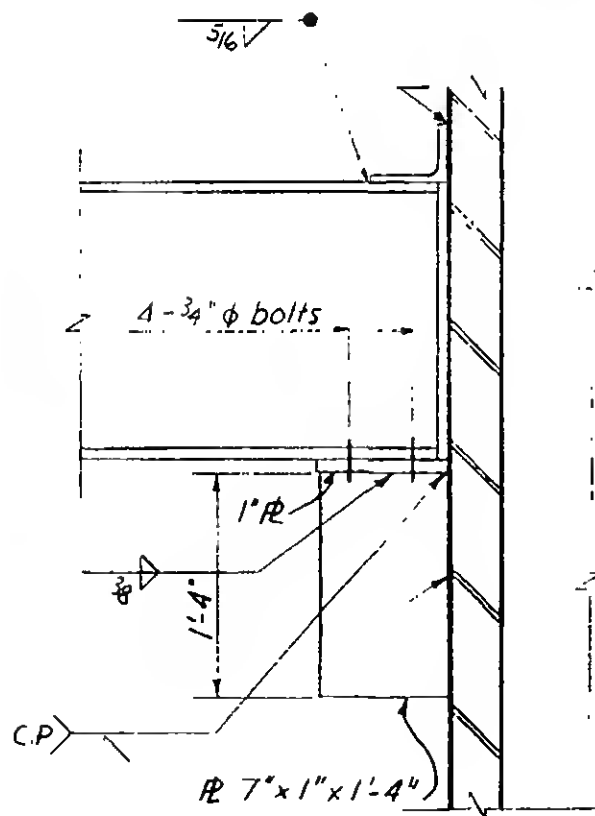
6-ABI-215

REVISIONS

All Details not shown
same as Det. 709, 6-ABI-215.

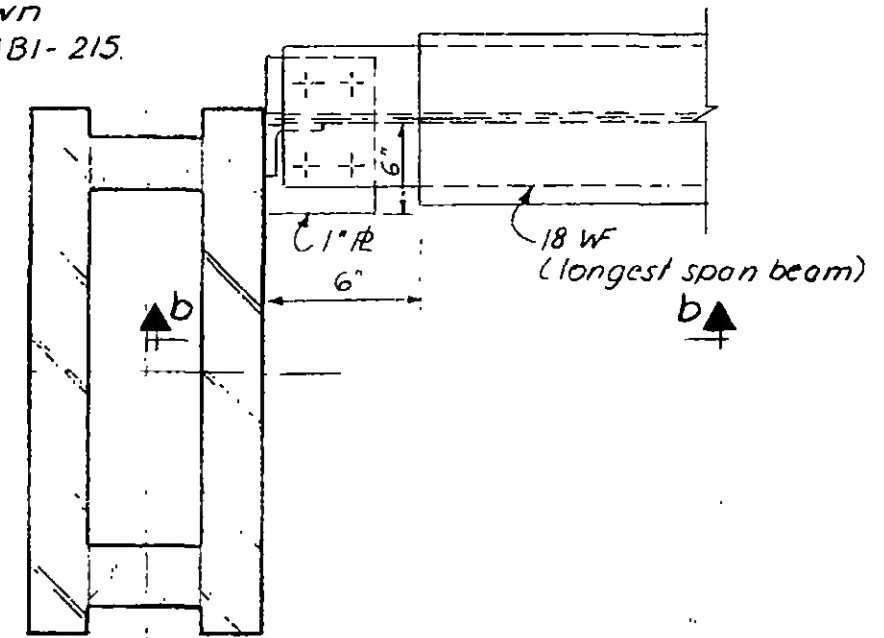


Plan

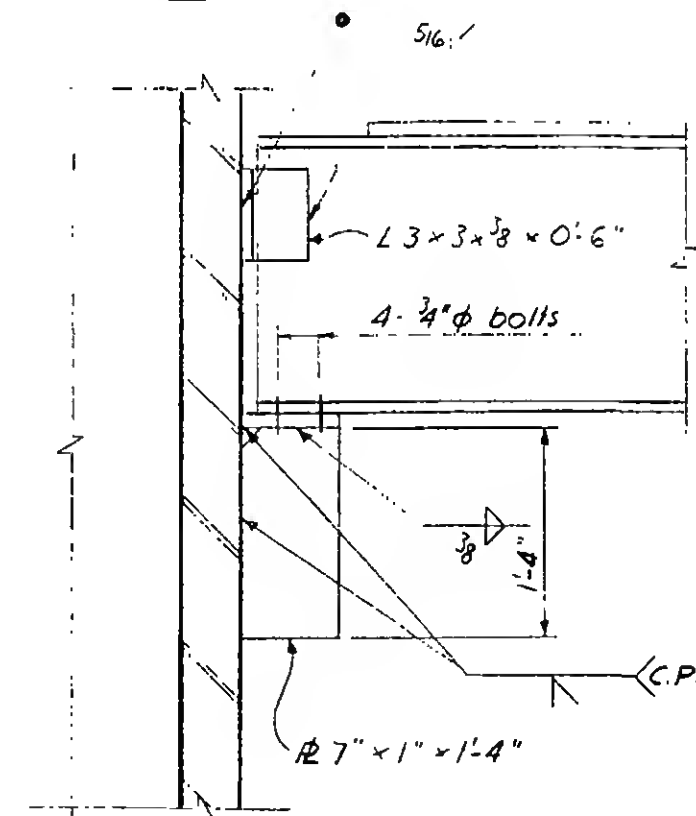


Section a-a

Detail 709C



Plan



Section b-b

Detail 709D



PROJECT THE WORLD TRADE CENTER

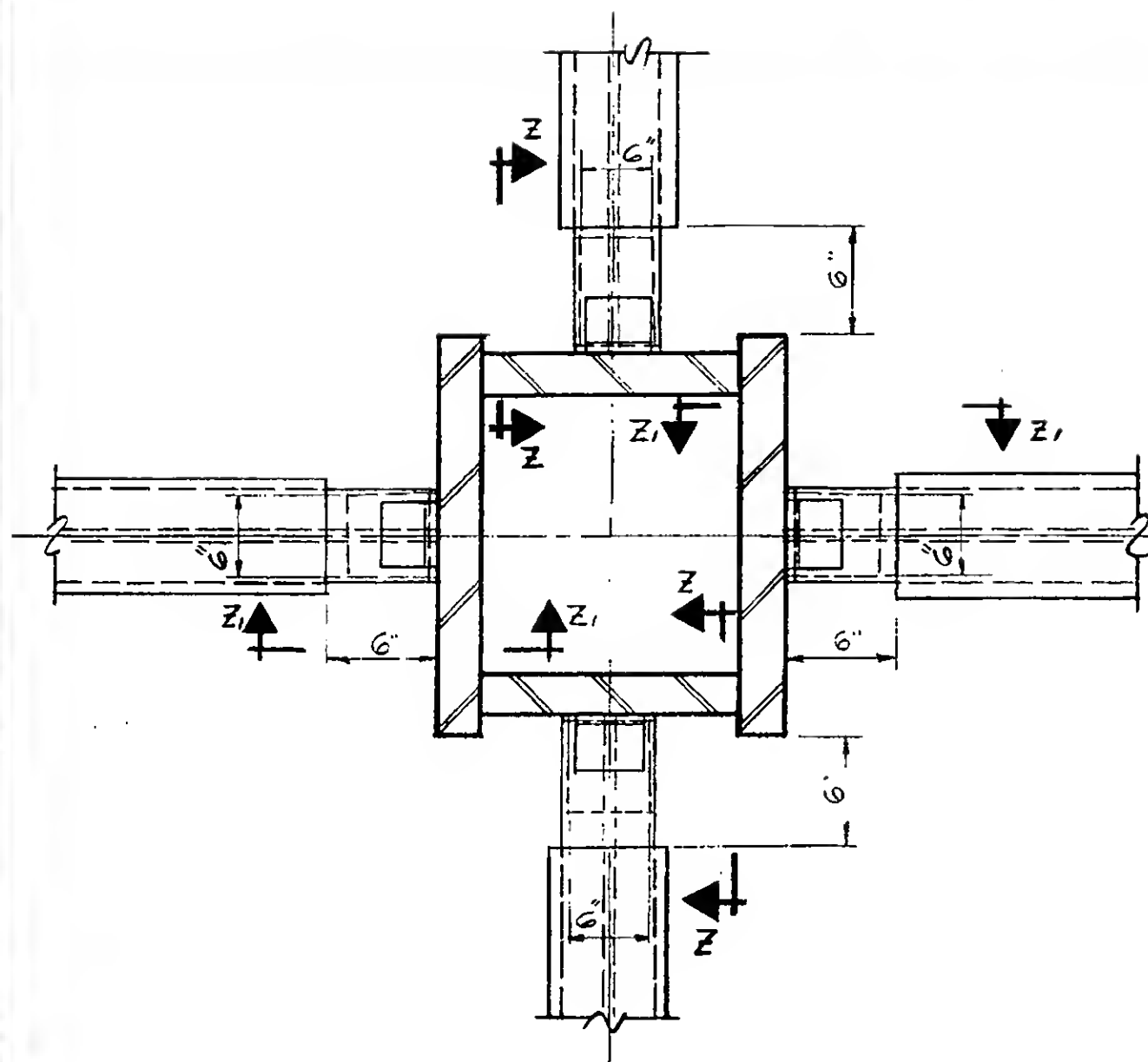
TITLE CONNECTION DETAIL 710

DATE 6-12-67

REVISIONS

6-30-67

For SECTIONS Z-Z & Z₁-Z₁
See DWG. G-ABI-234



PLAN

	SECTION Z-Z	SECTION Z ₁ -Z ₁
PLATES		
P P	6" x 5/8"	6" x 5/8"
P Q	6 1/4" x 5/8"	6 1/4" x 5/8"
DIMENSIONS		
A	1'-3 3/4"	1'-3 3/4"
B	0'-10"	1'-0"
BOLTS		
L	4-3/4" φ (A325)	4-3/4" φ (A325)
WELDS		
①	1/2	1/2
②	1/2	1/2
④	7/16	7/16



G-ABI-216

PROJECT THE WORLD TRADE CENTER

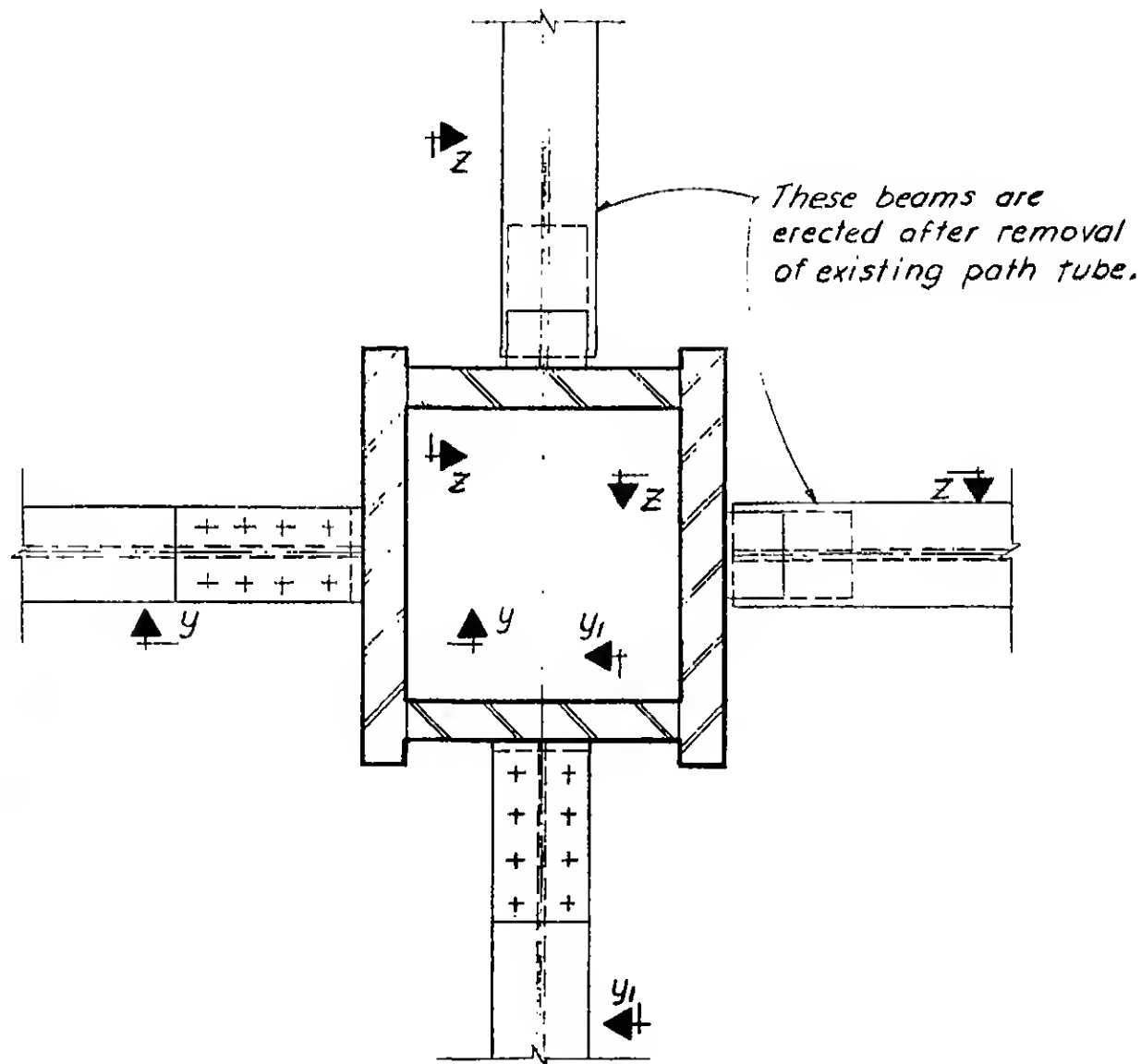
TITLE CONNECTION DETAIL 710 A

DATE 2-9-68

REVISIONS

For sections y-y, y₁-y₁, z-z
See 6-ABI-234

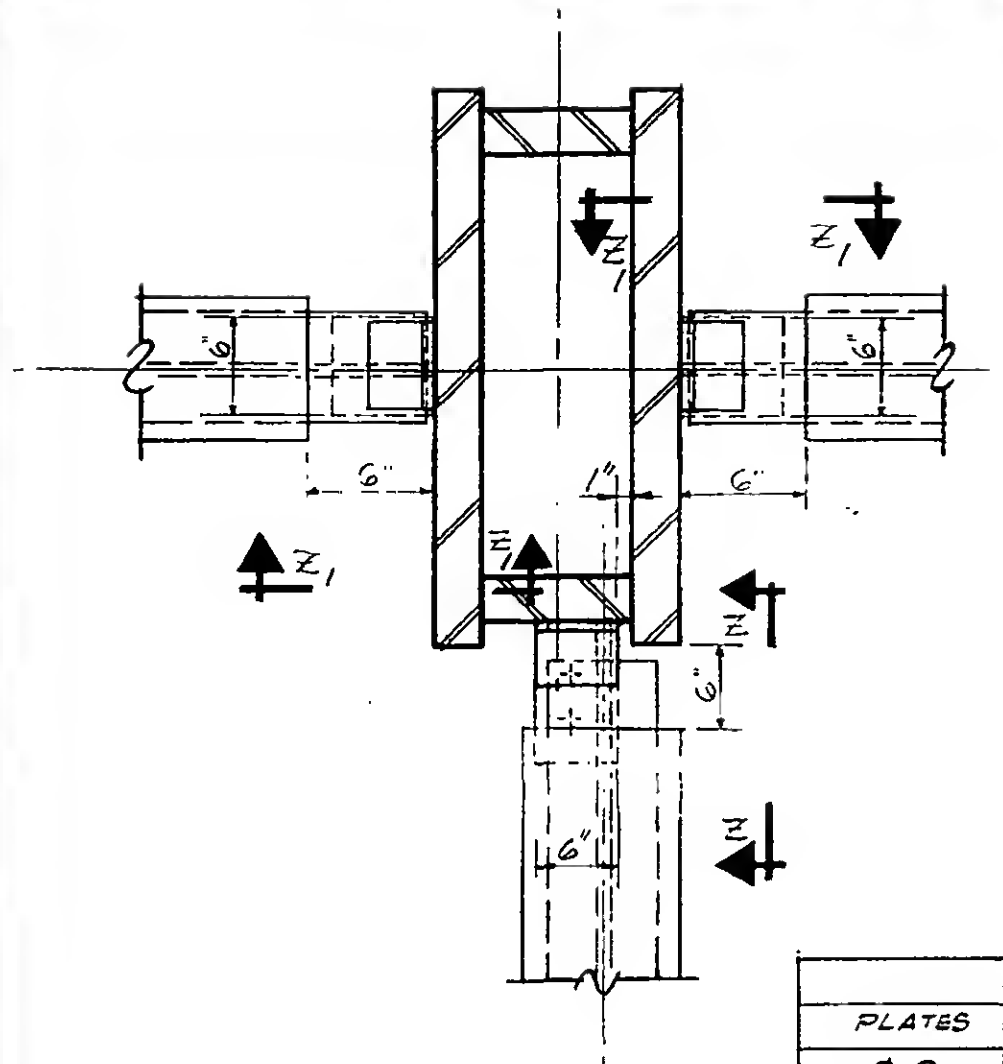
	Section y-y	Section y ₁ -y ₁	Section z-z
PLATES			
P	6" x 5/8"	6" x 5/8"	6" x 5/8"
Q	7" x 3/4"	7" x 3/4"	7" x 5/8"
R	7" x 3/4"	7" x 3/4"	—
DIMENSIONS			
B	1'-2"	0'-10"	1'-0"
BOLTS			
K	8-7/8" φ	8-7/8" φ	—
L	8-7/8" φ	8-7/8" φ	4-3/4" φ
WELDS			
1	1/2	1/2	1/2
2	1/2	1/2	1/2
3	C.P.	C.P.	—
4	—	—	7/16



REVISIONS

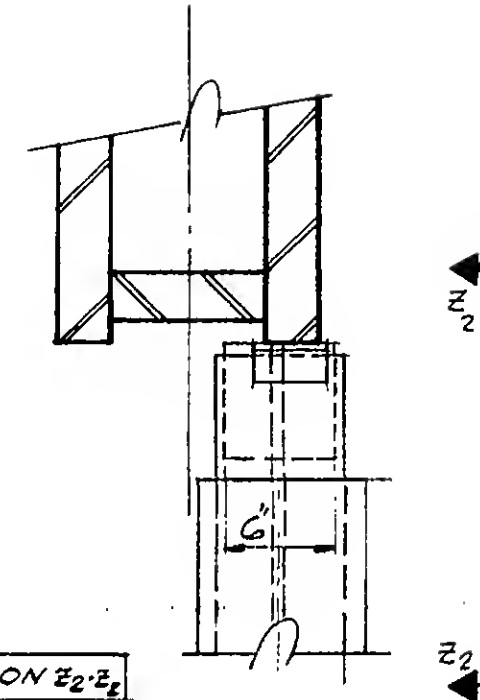
6-30-67

For section Z-Z, Z₁-Z₁, Z₂-Z₂
see dwg. G-AB1-234



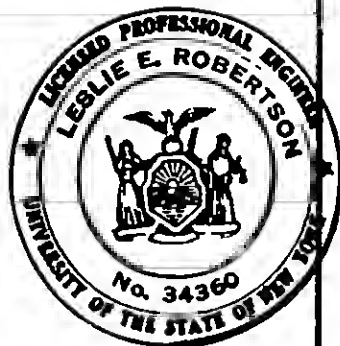
PLAN
DET. 711

	SECTION Z-Z	SECTION Z ₁ -Z ₁	SECTION Z ₂ -Z ₂
PLATES			
R P	6" x 3/8"	8" x 5/8"	5 1/2" x 3/8"
R Q	9 1/2" x 3/8"	8" x 5/8"	6 1/4" x 3/8"
DIMENSIONS			
A	1'-8 3/8"	0'-10 1/4"	1'-8 3/4"
B	0'-11"	1'-1"	0'-8"
BOLTS			
L	2-1" φ (A-325)	4-3/8" φ (A-325)	4-3/4" φ (A-325)
WELDS			
①	1/4	1/2	1/4
②	1/4	1/2	1/4
③	—	—	C.P.
④	—	7/16	—
⑤	1/4	—	—



PLAN
DET. 711A

Remainder of plan same
as detail 711

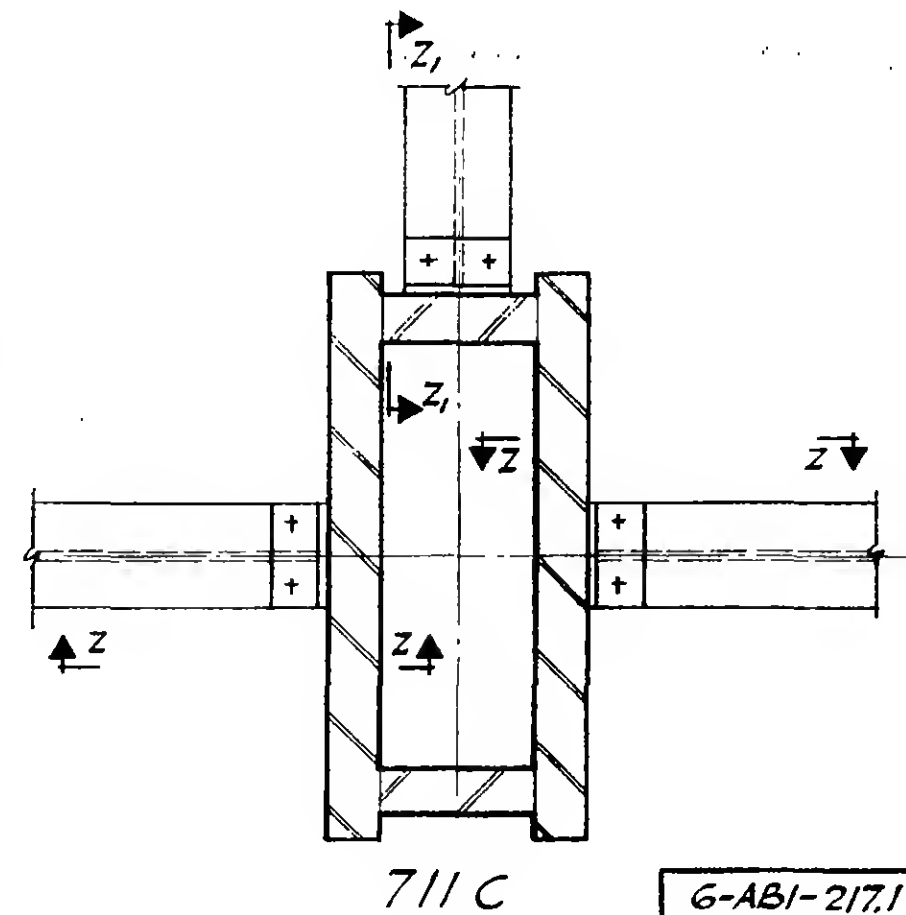
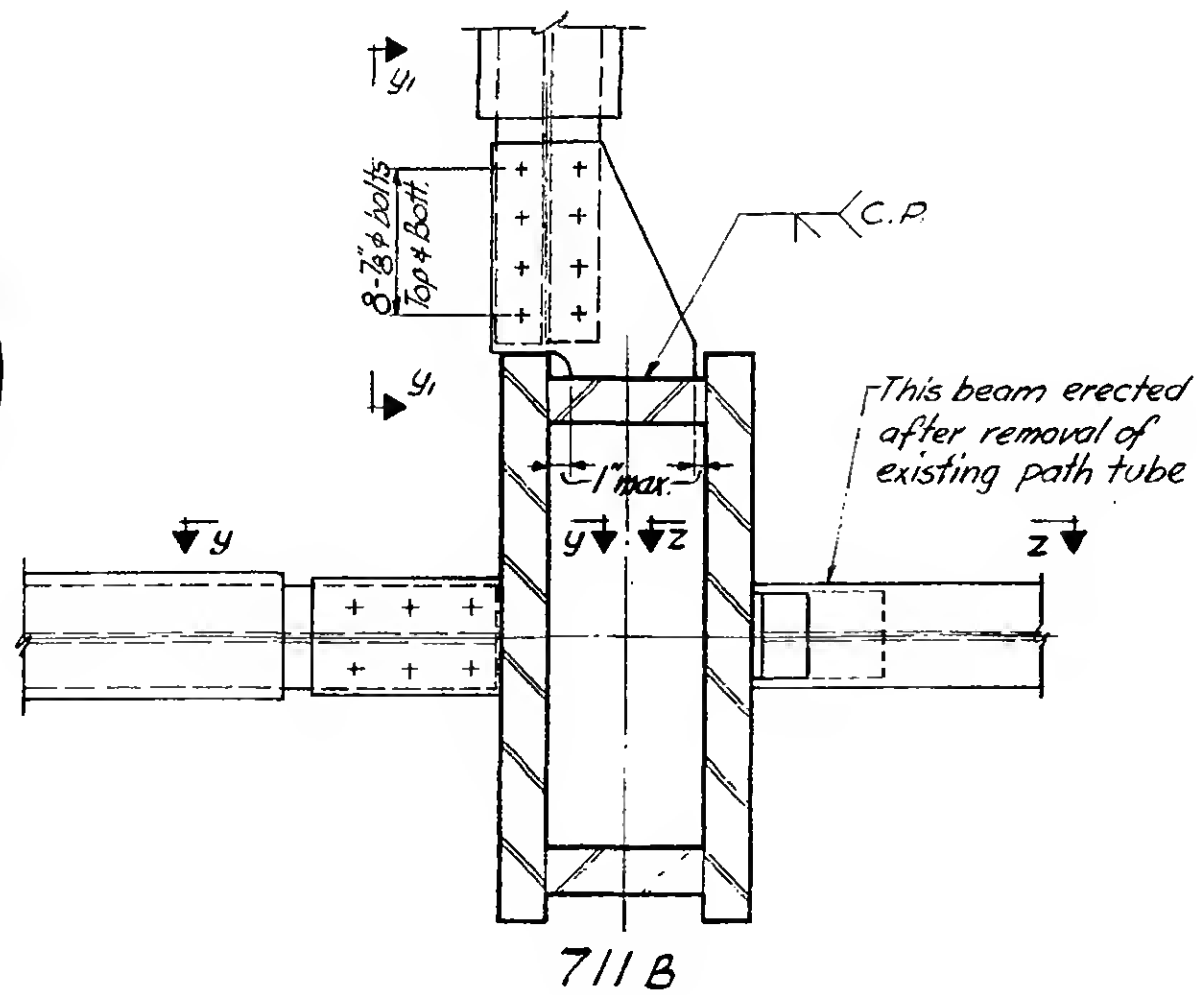


G-AB1-217

PROJECT *THE WORLD TRADE CENTER*TITLE *CONNECTION DETAIL 711 B, C*DATE *2-9-68*

REVISIONS

	Section y-y	Section y-y ₁	Section z-z	Section z-z ₁
PLATES				
P P	8" x 5/8"	5 1/2" x 5/8"	8" x 5/8"	5 1/2" x 5/8"
P Q	3/4"	3/4"	5/8"	5/8"
P R	3/4"	3/4"	—	—
DIMENSIONS				
B	1'-1"	0'-11"	1'-1"	0'-11"
BOLTS				
K	8-7/8" φ	8-7/8" φ	—	—
L	8-7/8" φ	8-7/8" φ	4-3/4" φ	4-3/4" φ
WELDS				
1	1/2	1/2	1/2	1/2
2	1/2	1/2	1/2	1/2
3	C.P.	C.P.	C.P.	C.P.

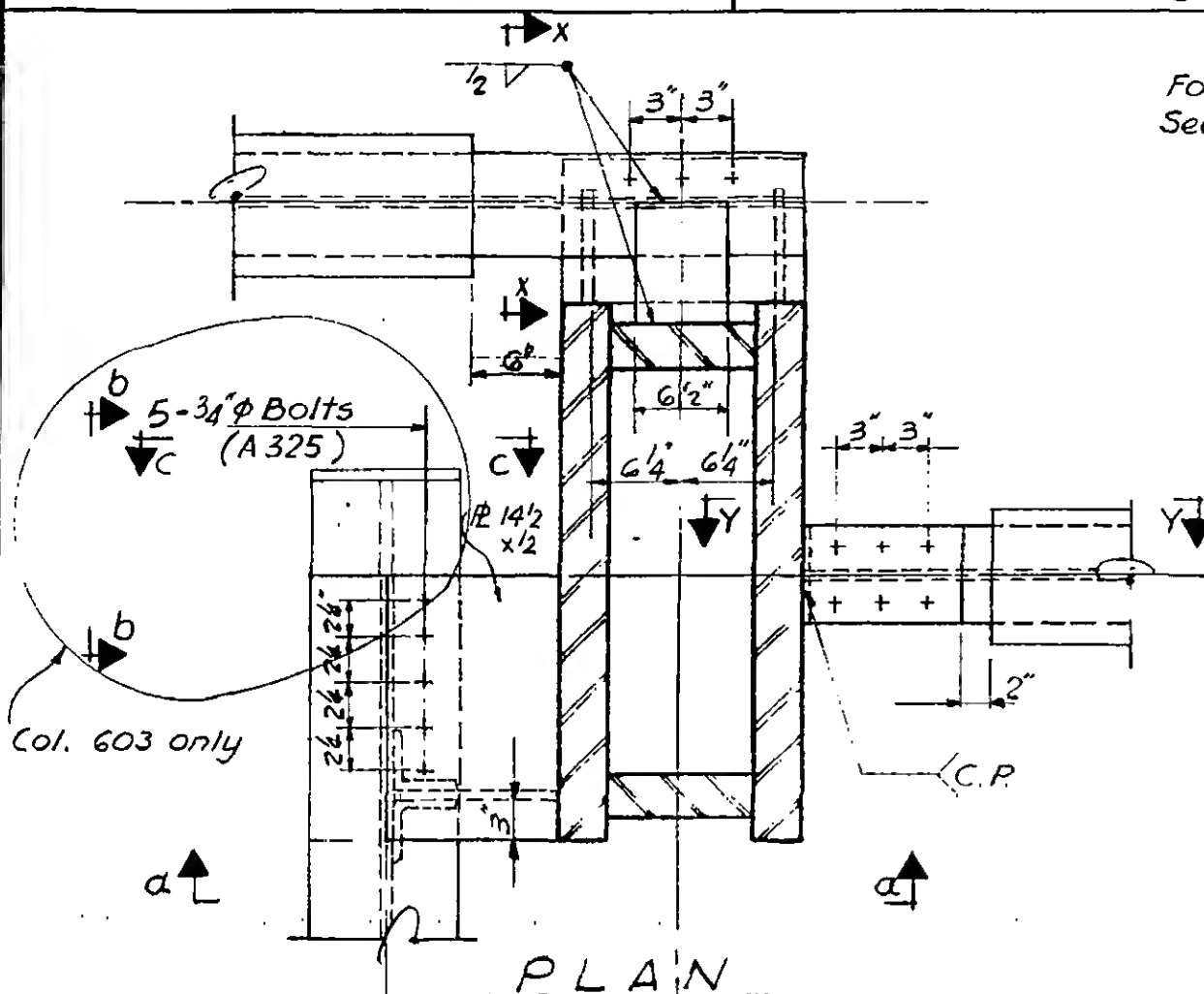


6-ABI-217.1

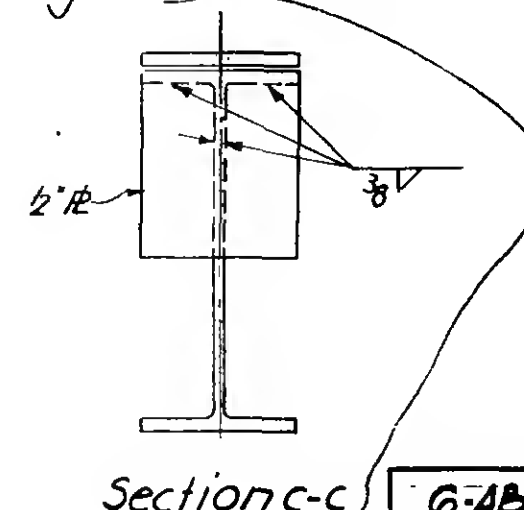
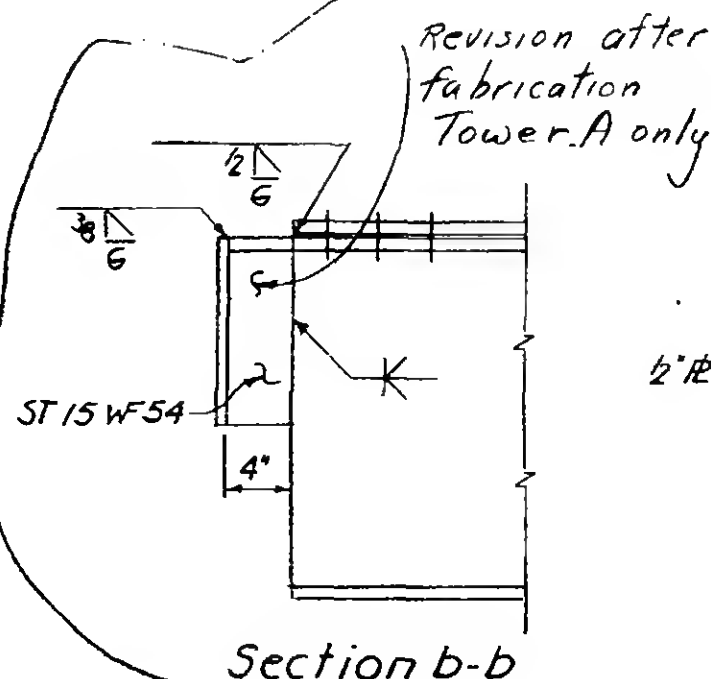
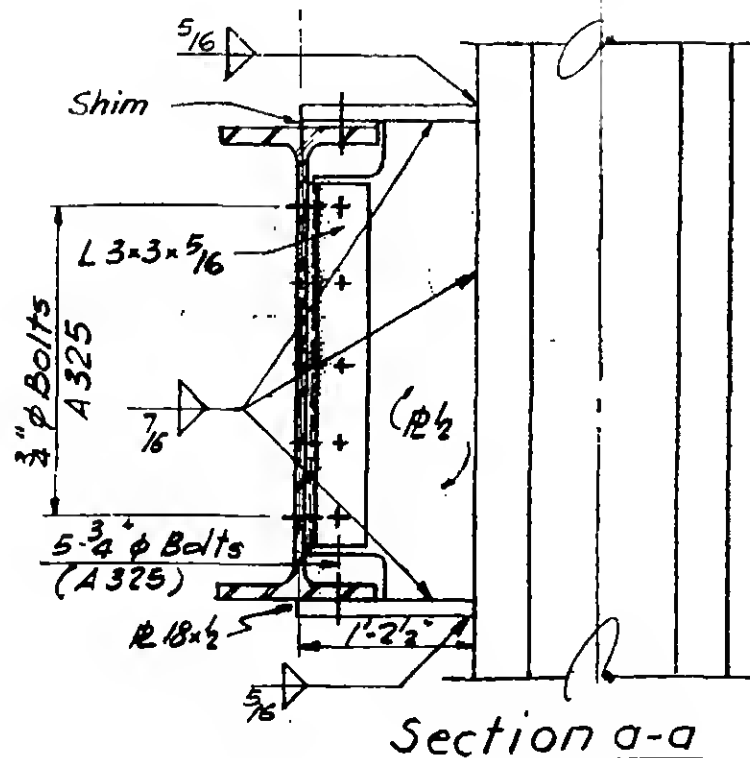
REVISIONS

6-30-67
7-17-68

For SECTION X-X, Y-Y
See dwg. 6-ABI-234



	SECTION X-X	SECTION Y-Y
PLATES		
R P	2 Rs 7" x 5/8"	6" x 5/8"
R Q	10 1/2" x 5/8" x 1'-4"	7" x 3/4"
R R	8" x 5/8"	7" x 3/4"
DIMENSIONS		
A	2'-2 1/4"	0'-10 3/4"
B	1'-0"	1'-0"
BOLTS		
K	—	6-1" φ (A490)
L	3-1" φ (A325)	6-1" φ (A490)
WELDS		
①	7/16	1/2
②	7/16	1/2
③	—	C.P.
④	1/2	—



6-ABI-218

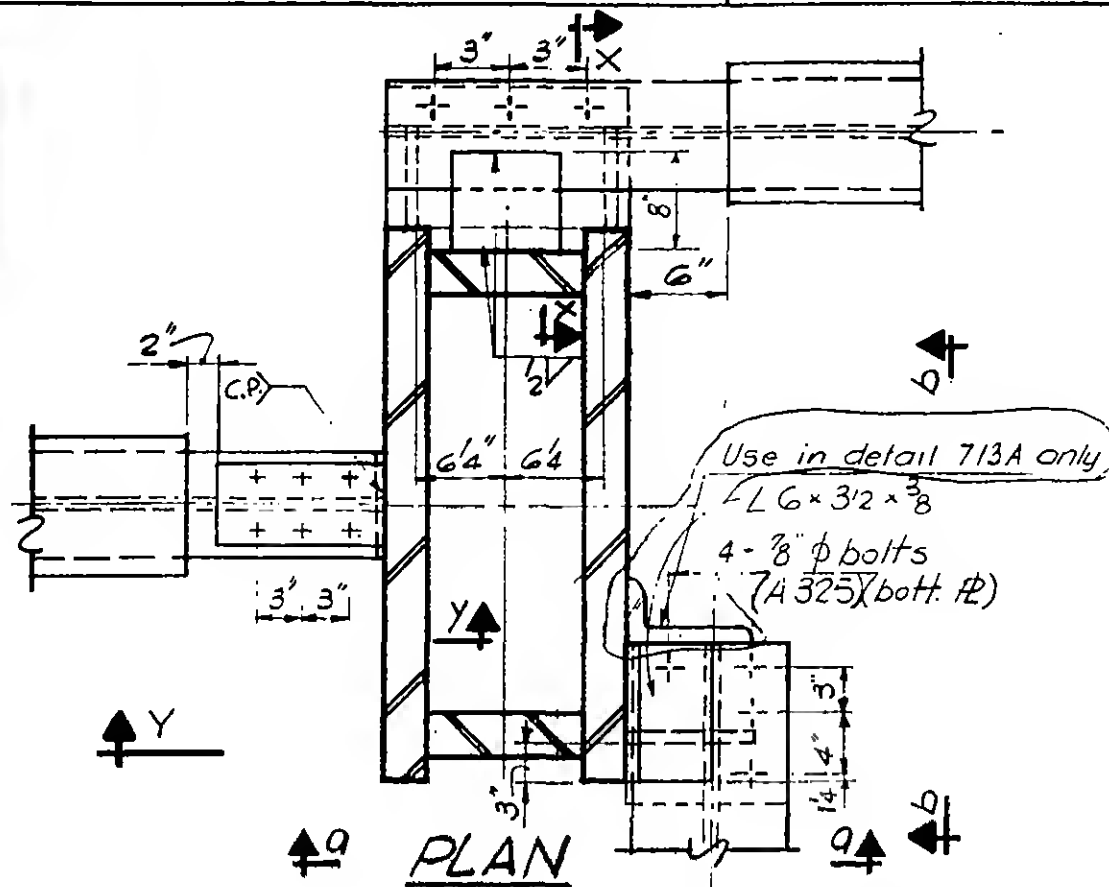
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 713, (713A)

DATE 6-12-67

REVISIONS

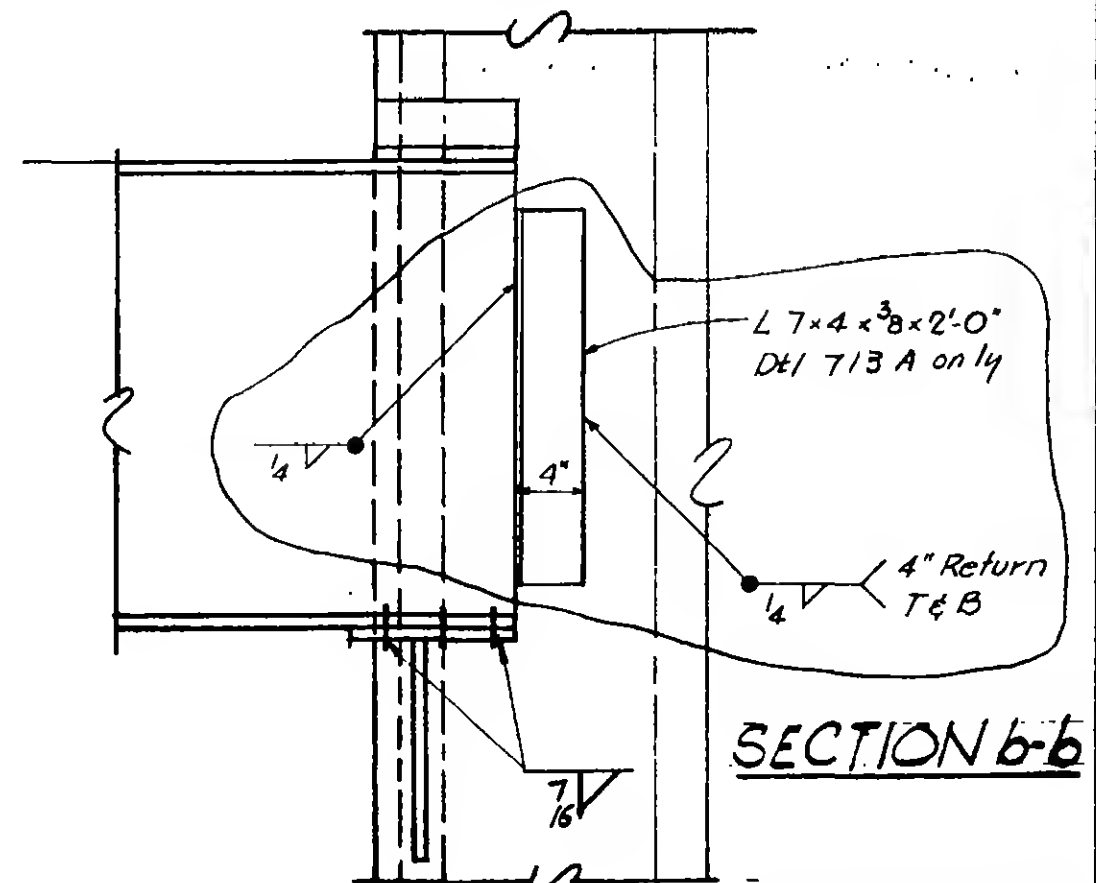
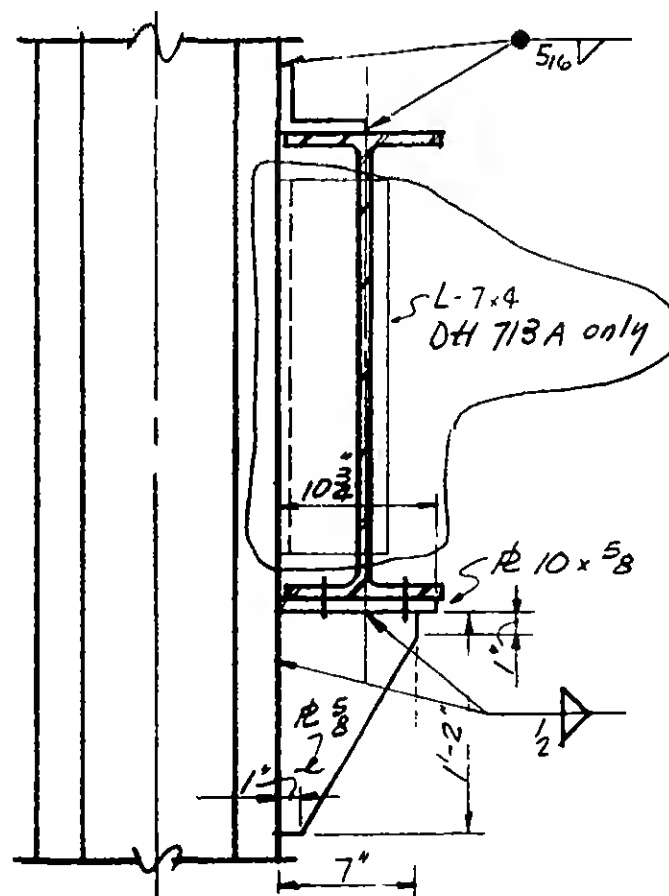
6-30-67
10-7-68



For SECTION X-X, Y-Y
see dwg. G-AB1-234

	SECTION X-X	SECTION Y-Y
PLATES		
R P	2 R 5 - 7' x 5/8"	6' x 5/8' x 1'-0"
R Q	10' x 5/8' x 1'-4"	7' x 3/4"
R R	6 1/2' x 5/8'	7' x 3/4"
DIMENSIONS		
A	2'-1 3/4"	0'-10 3/4"
B	1'-0"	1'-0"
BOLTS		
K	—	6 - 1" ϕ (A490)
L	3 - 1" ϕ (A325)	6 - 1" ϕ (A490)
WELDS		
(1)	7/16	1/2
(2)	7/16	1/2
(3)	—	C.P.
(7)	1/2	—

SECTION a-a

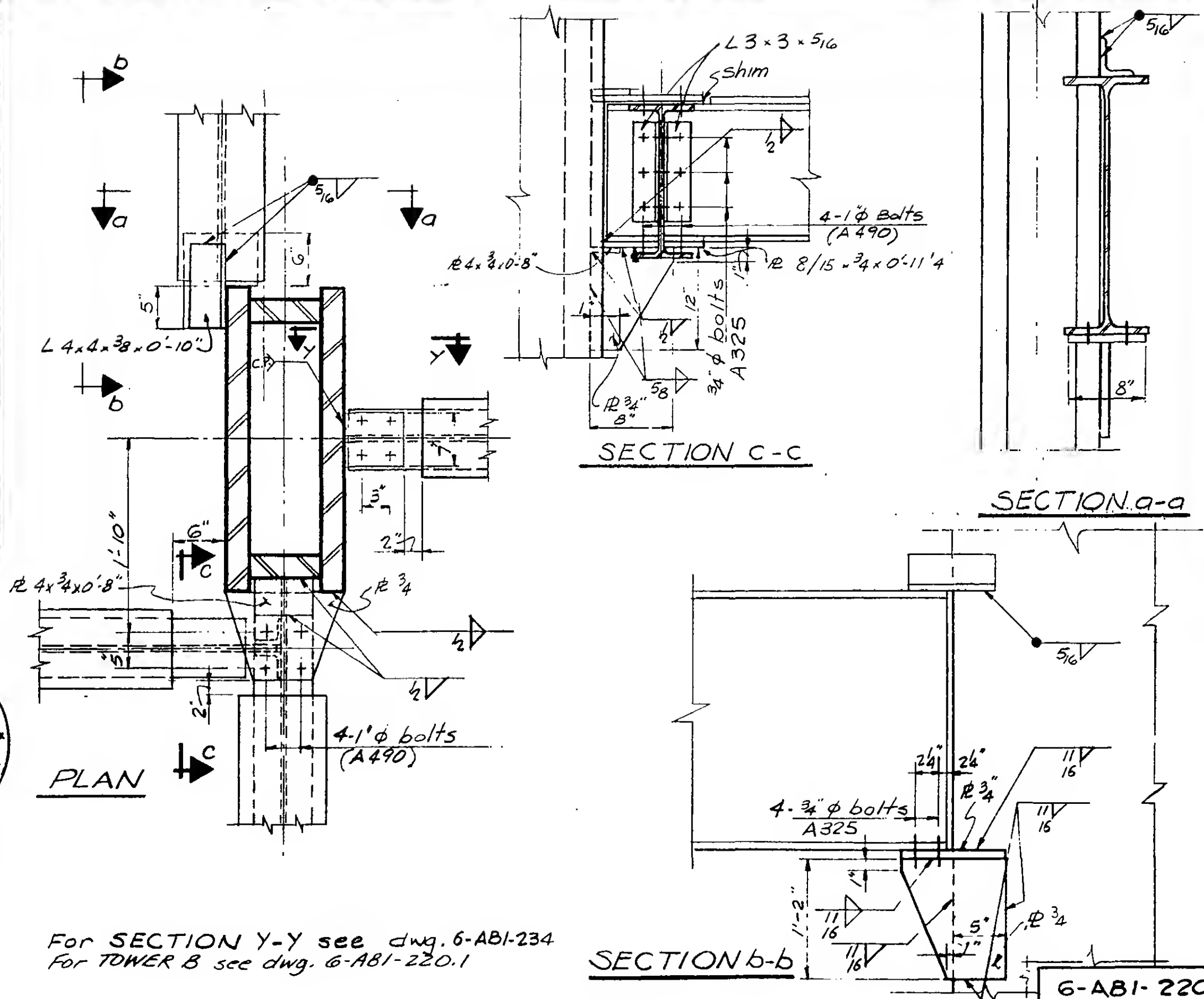


G-AB1-219



REVISIONS

6-30-67



For SECTION Y-Y see dwg. 6-AB1-234
For TOWER B see dwg. 6-AB1-220.1

6-ABI-220

PROJECT THE WORLD TRADE CENTER

TITLE SCHEDULE FOR DETAIL 714

DATE 6-30-67

REVISIONS

SECTION Y-Y

PLATES

R P 7" x 58"
R Q 7" x 58" x 0'-7/8
R R 7 1/8" x 58"

DIMENSIONS

A 0'-9 3/4
B 0'-10"

BOLTS

K 4-1" φ (A490)
L 4-1" φ (A490)

WELDS

① 7/16
② 7/16
④ 9/16

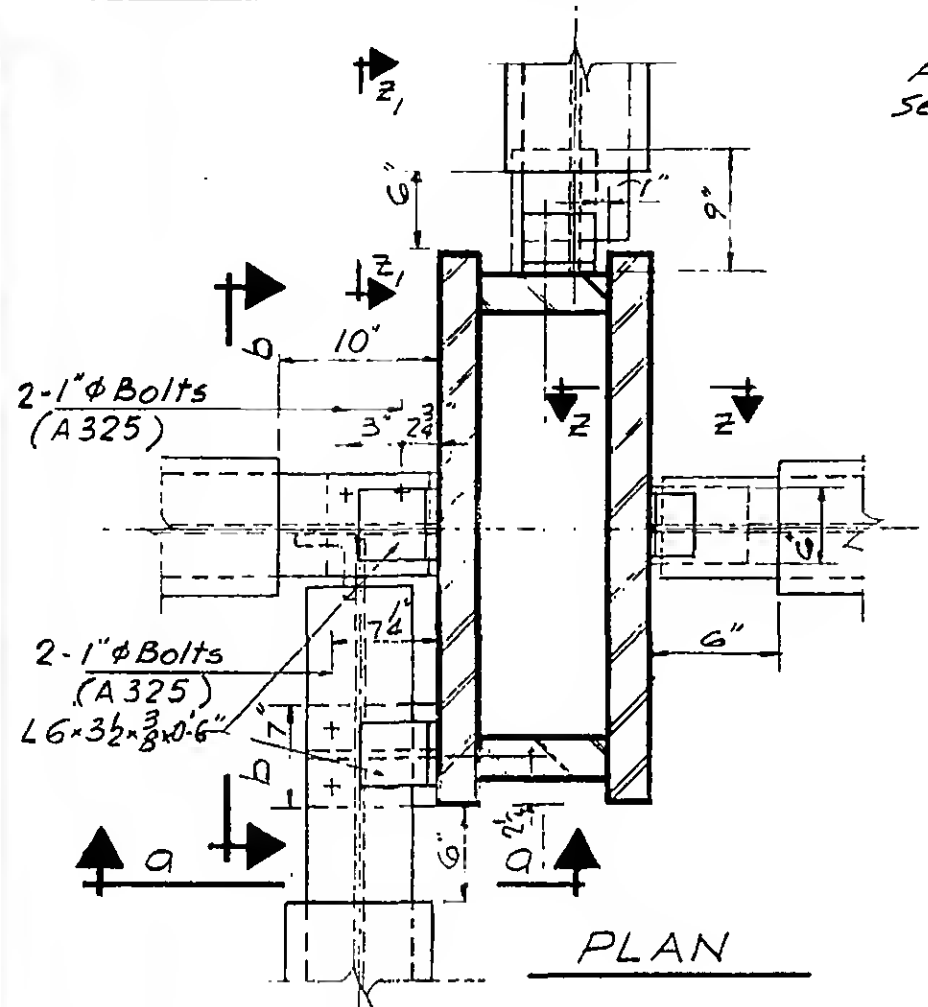


6-ABI-220.1

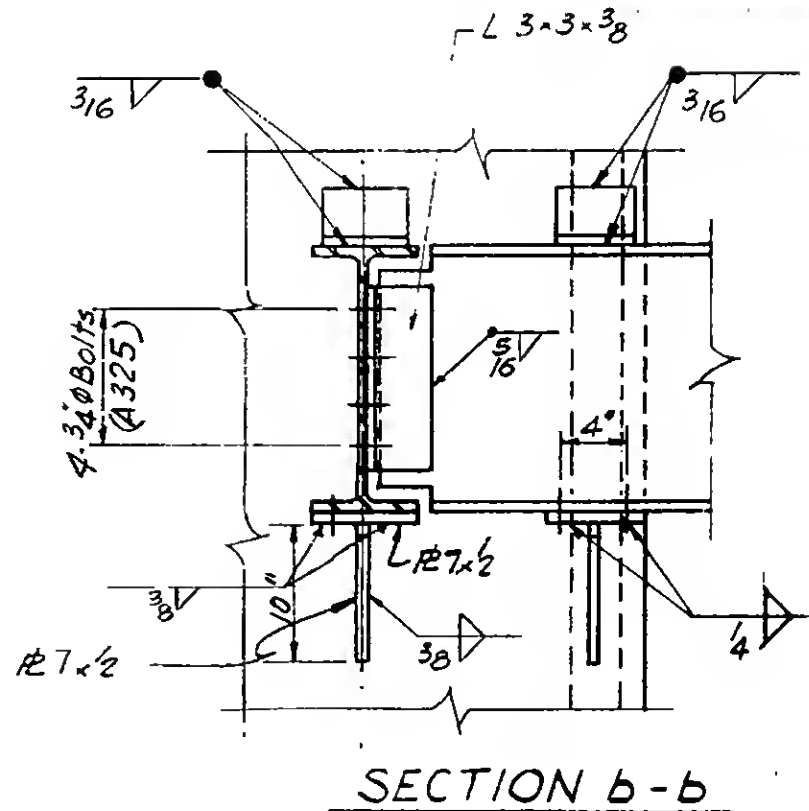
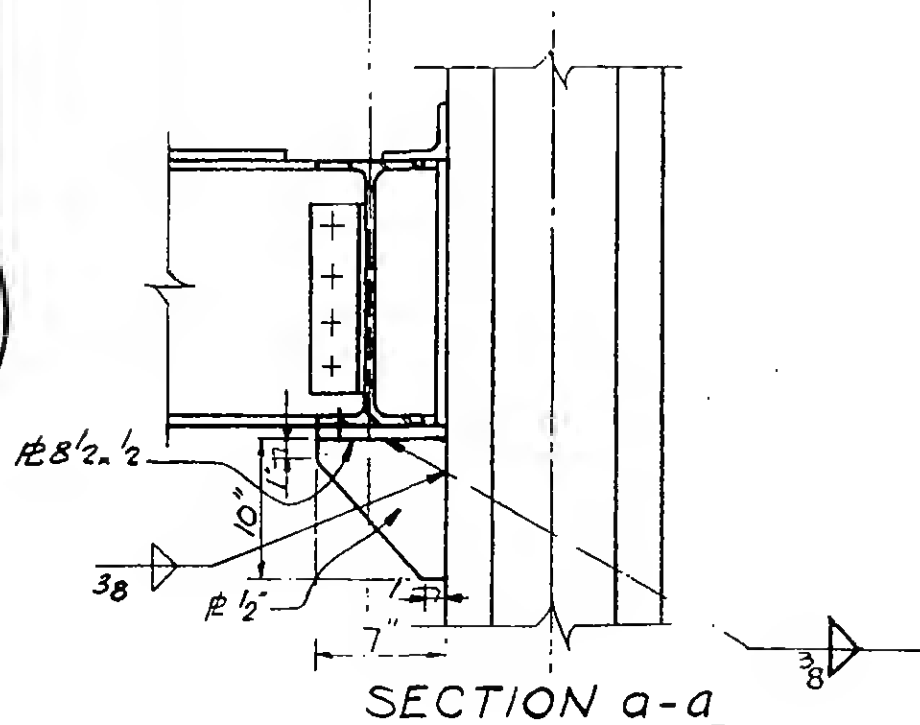
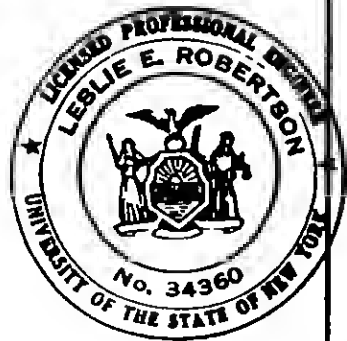
REVISIONS

6-30-67

For section Z-Z, Z₁-Z₁,
see Dwg. 6-AB1-234 -



	SECTION 2-2	SECTION 1-1
PLATES		
PL P	5 1/2" x 1/2"	6" x 3/8"
PL Q	6 1/4" x 1/2"	6" x 1/2"
DIMENSIONS		
A	0'-9 1/4"	1'-8 3/4"
B	1'-0"	0'-10"
BOLTS		
L	4-3/4" φ (A325)	2-1" φ (A325)
WELDS		
①	5/8	1/4
②	3/8	1/4
④	7/16	7/16

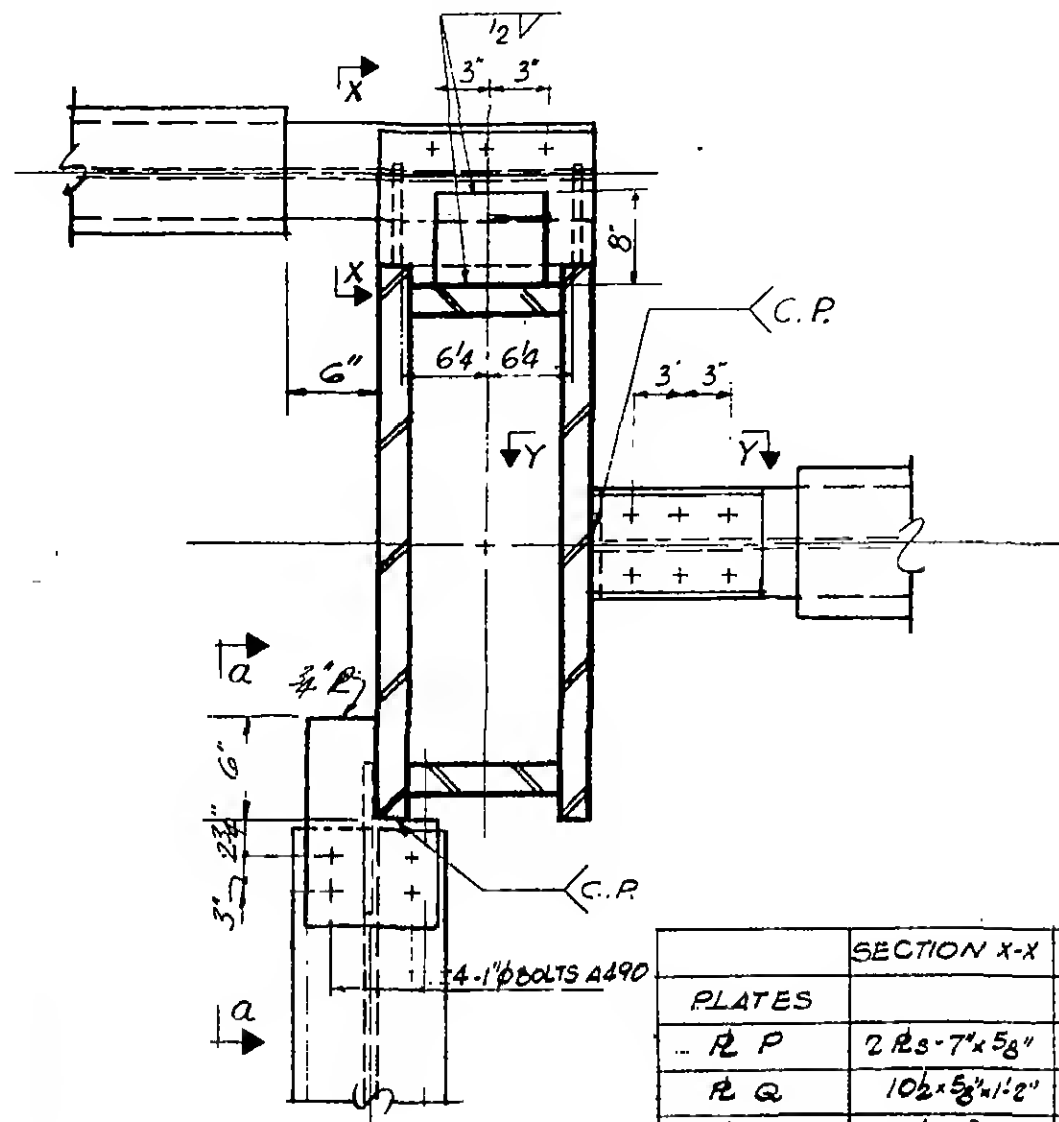


6-AB1-221

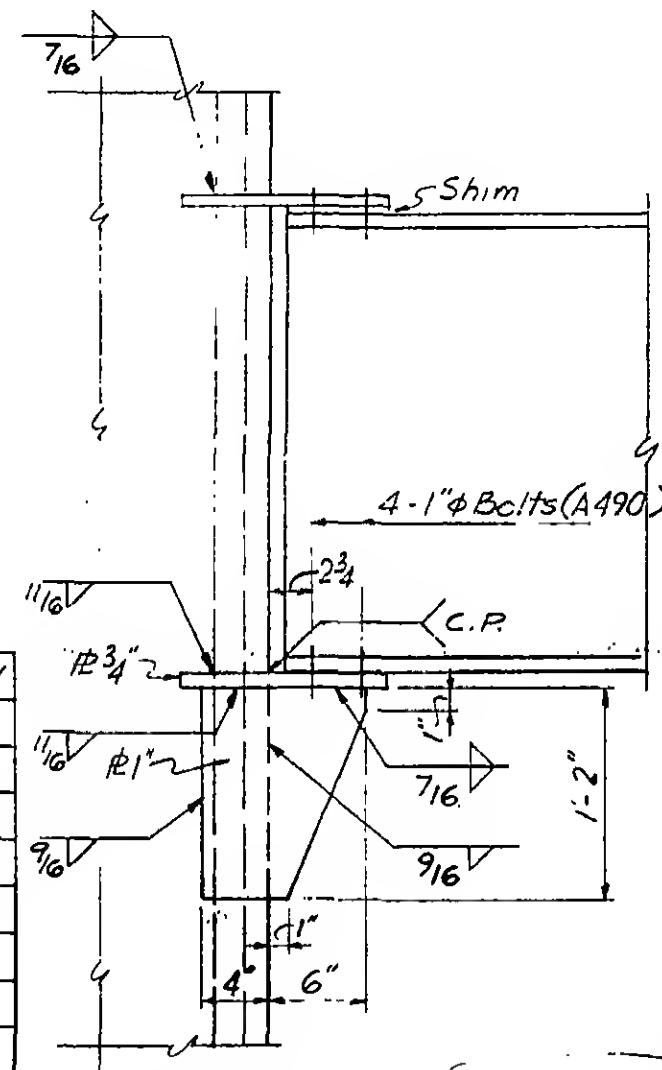
REVISIONS

6-30-67

For SECTION X-X, Y-Y,
See DWG. 6-ABI-234



PLAN:



SECTION a-a Tower A only

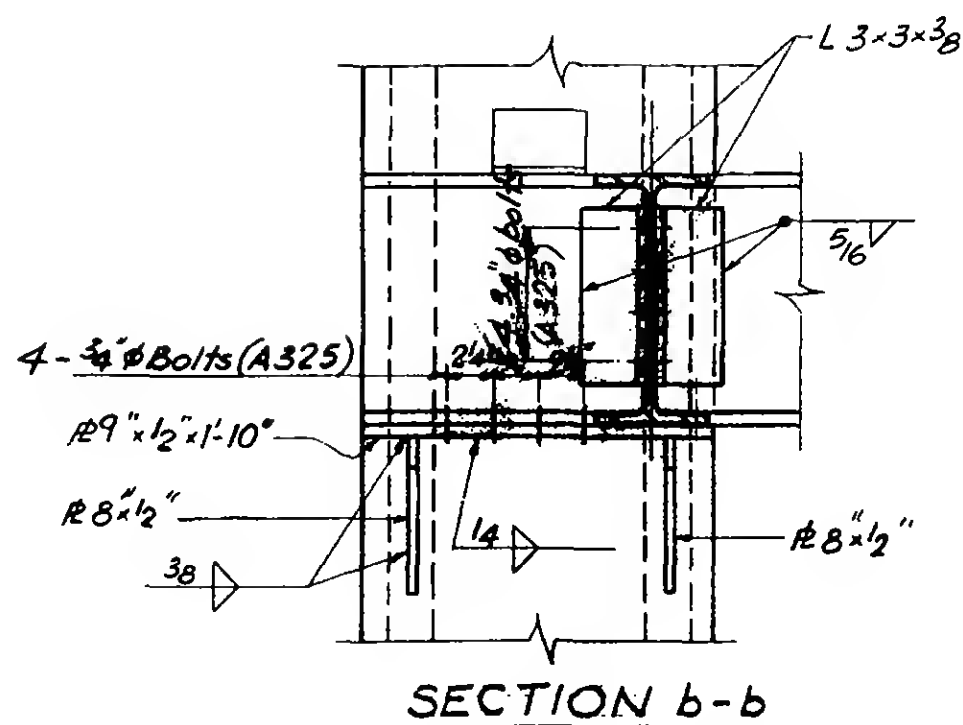
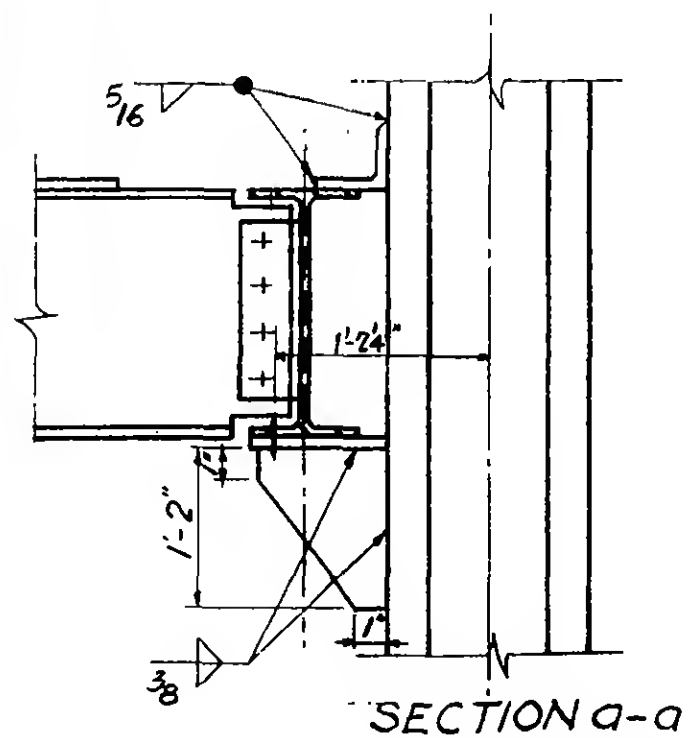
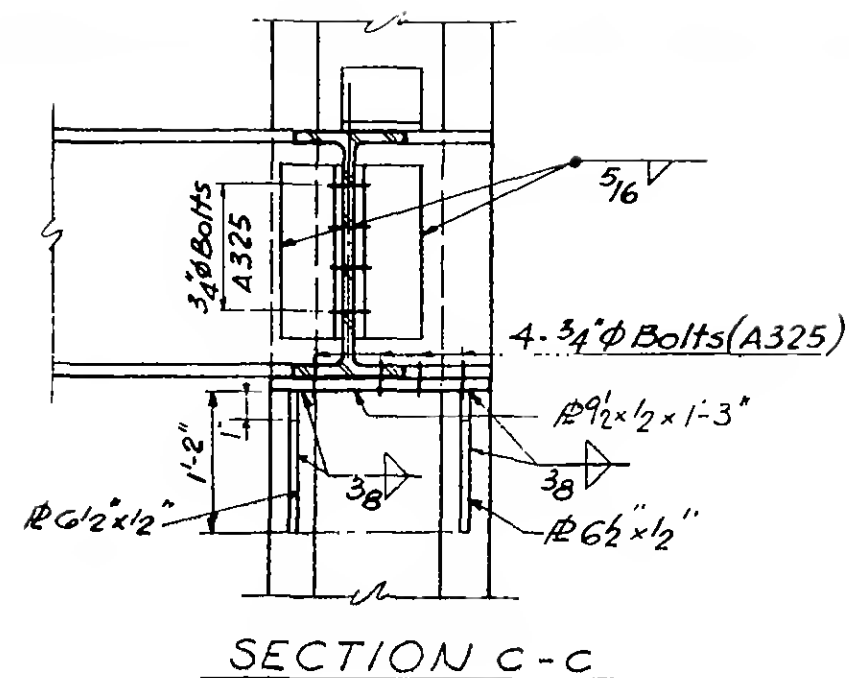
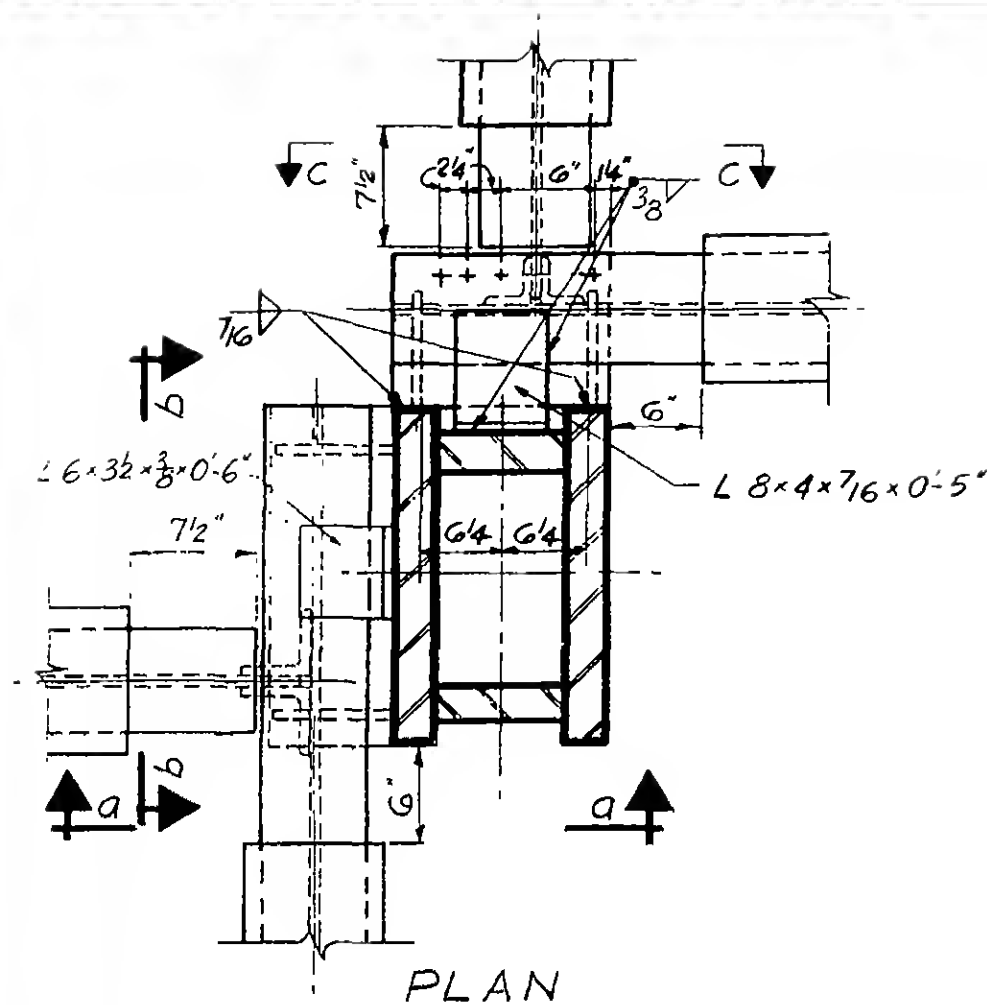
	SECTION X-X	SECTION Y-Y
PLATES		
R P	2 Rs-7'x58"	6'x58"
R Q	10 1/2'x58"x1'2"	7'x3/4"
R R	6 1/2'x58"	7'x3/4"
DIMENSIONS		
A	2'-1 3/4"	0'-9 3/4"
B	1'-0"	1'-0"
BOLTS		
K	—	6-1"φ (A490)
L	3-1"φ (A325)	6-1"φ (A490)
WELDS		
①	7/16	2
②	7/16	2
③	—	C.P.
⑦	1/2	—



6-ABI-222

REVISIONS

6-30-67

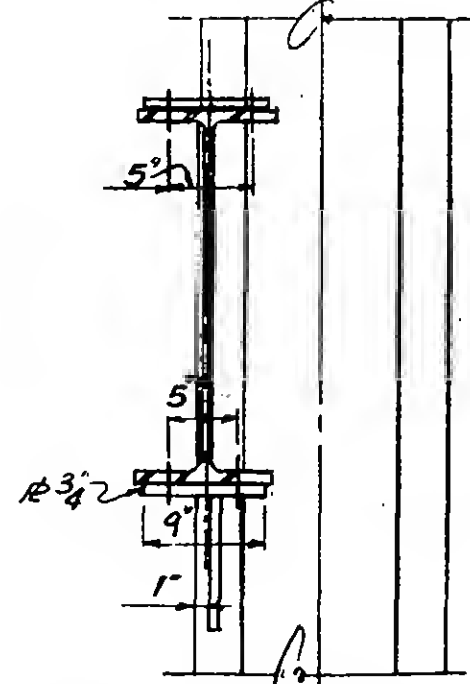
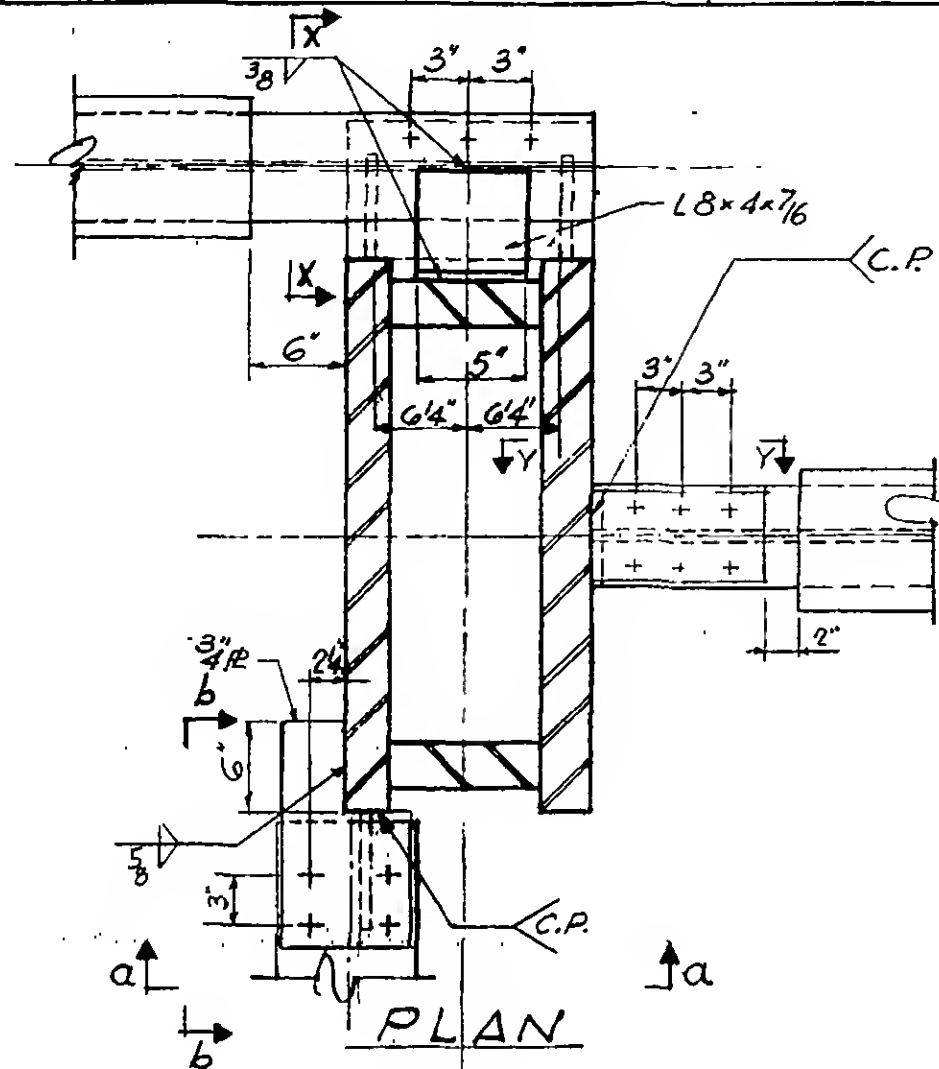


6-AB1-223

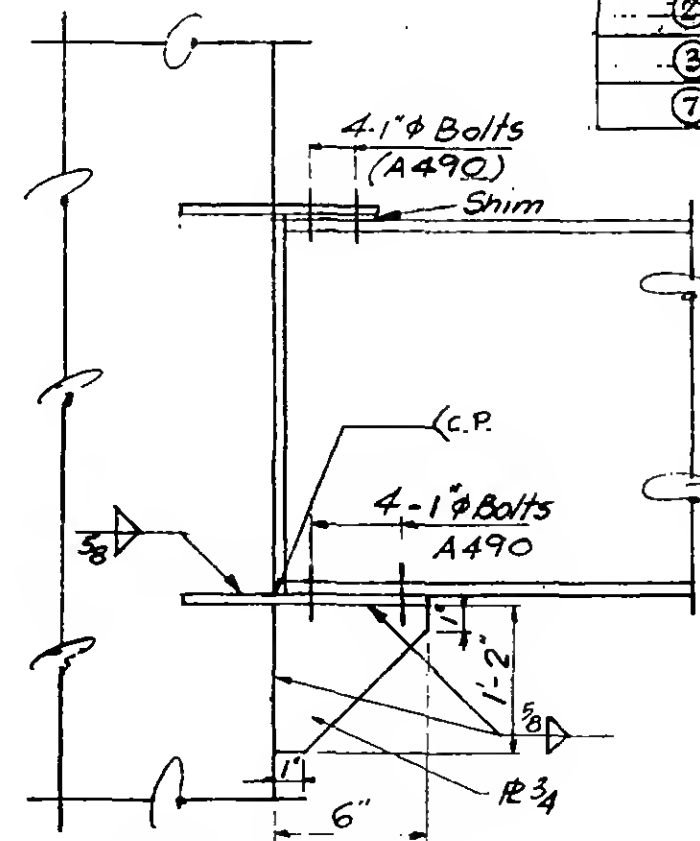
REVISIONS

6-30-67

For SECTION X-X, Y-Y
See Dwg 6-ABI-234

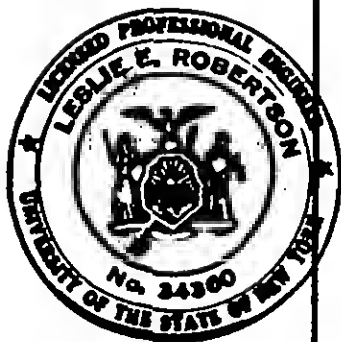


SECTION a-a



SECTION b-b

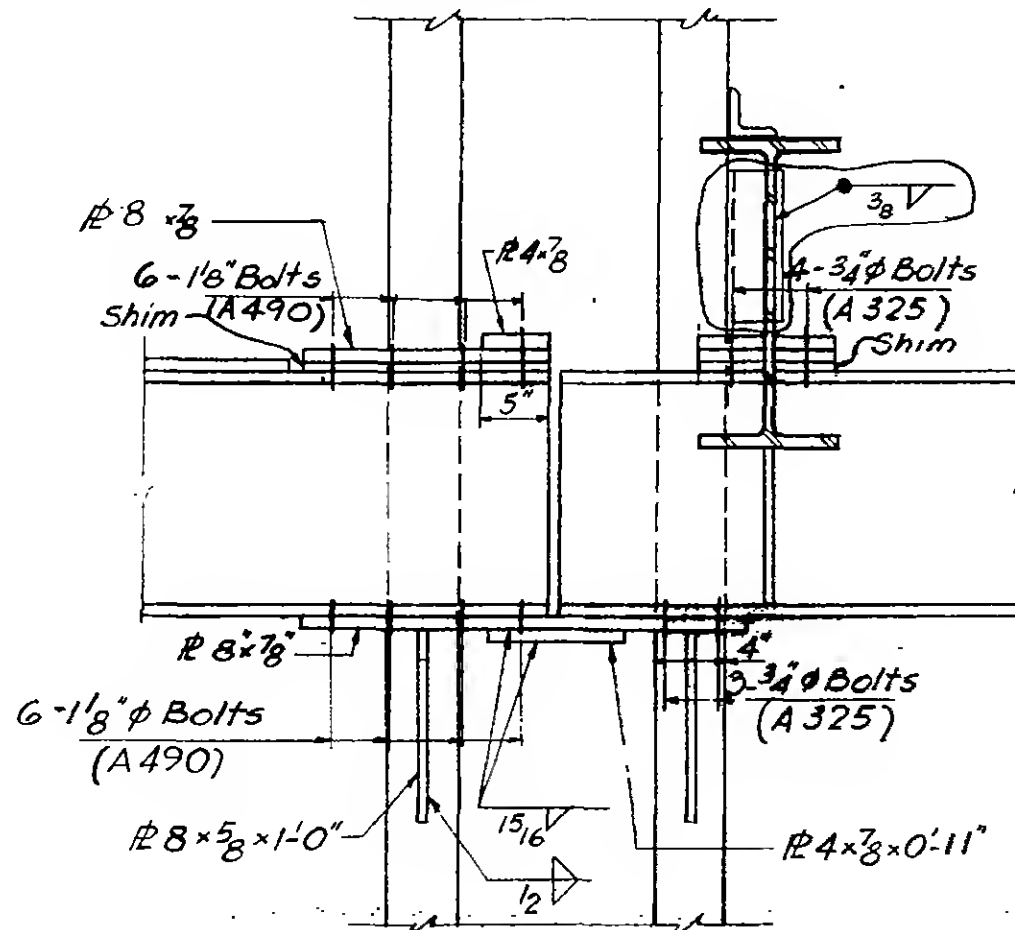
	SECTION Y-Y	SECTION X-X
PLATES		
PL P	7" x 5/8"	2 PLs 7" x 5/8"
PL Q	7" x 3/4"	10" x 5/8" x 1/4"
PL R	7" x 3/4"	
DIMENSIONS		
A	0'-10 3/4"	2'-1 3/4"
B	1'-0"	0'-10"
BOLTS		
K	6-1" φ (A490)	—
L	6-1" φ (A490)	3-1" φ (A325)
WELDS		
①	1/2	1/2
②	1/2	1/2
③	C.P.	
⑦	—	9/16



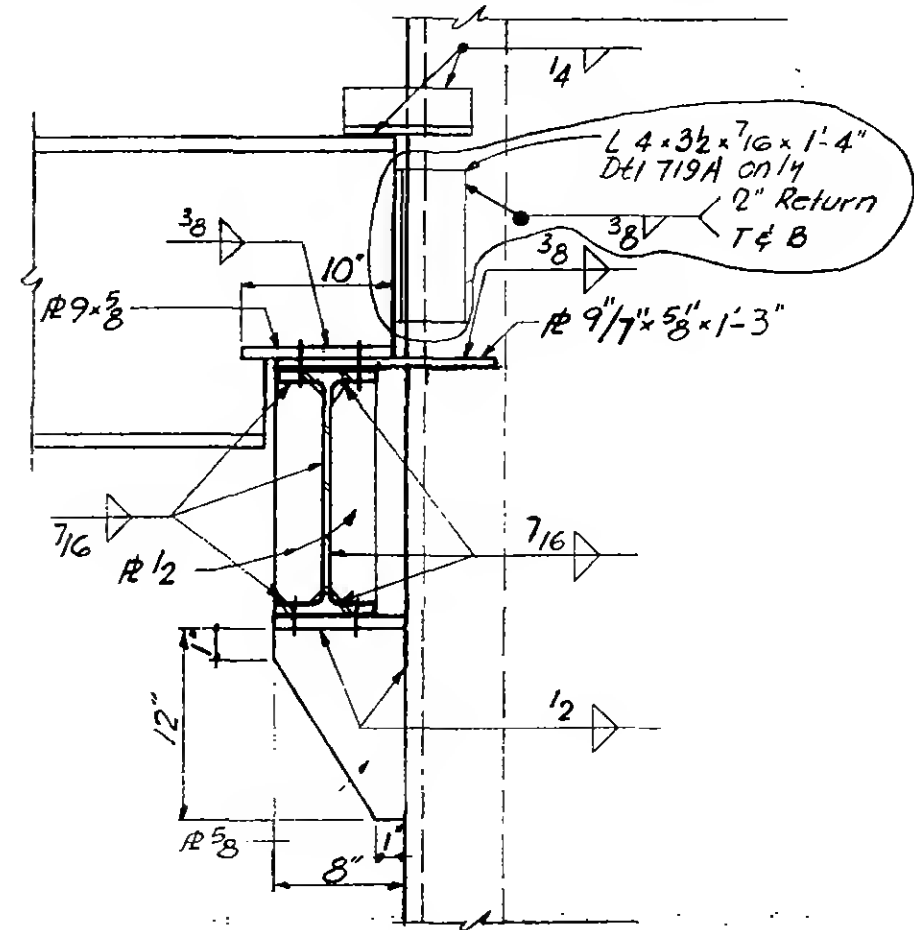
G-AB1-224

REVISIONS

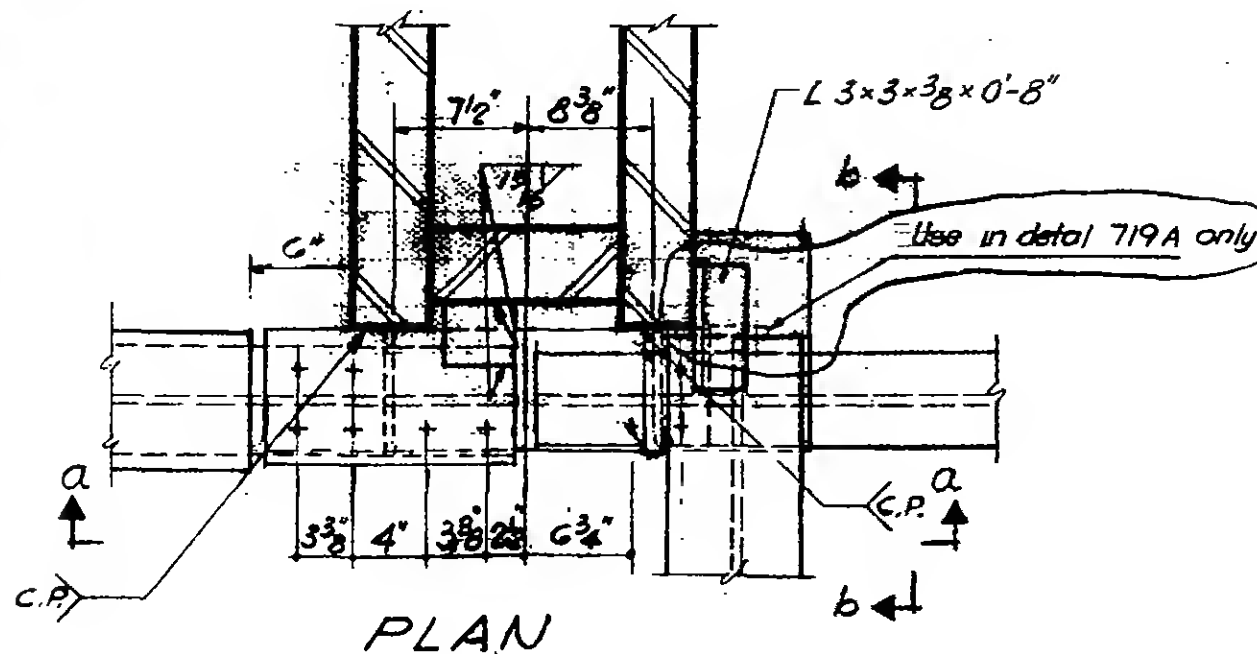
6-30-67
10-7-68



SECTION a-a



SECTION b-b

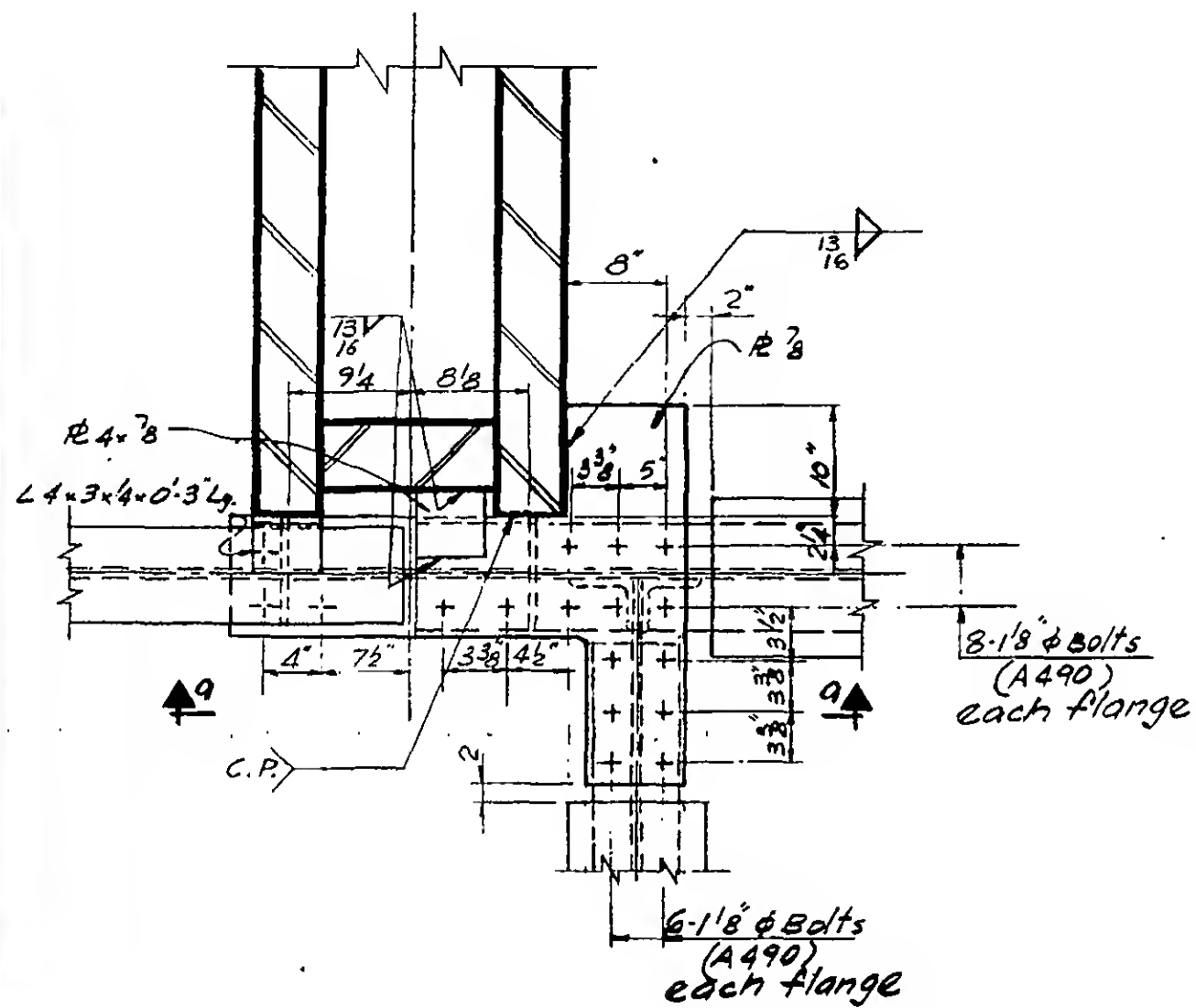


PLAN

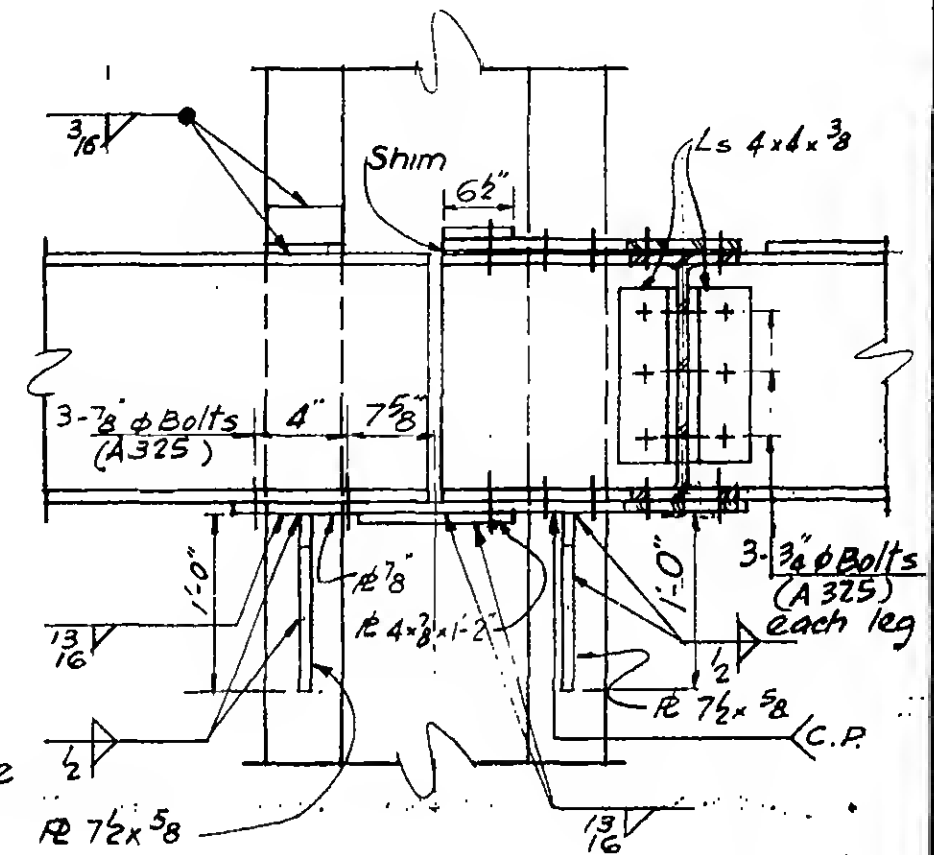


REVISIONS

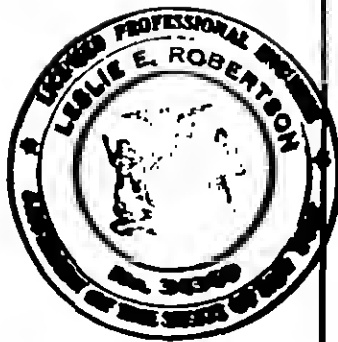
6-30-67



PLAN



SECTION a-a



G-AB/- 226

PROJECT THE WORLD TRADE CENTER

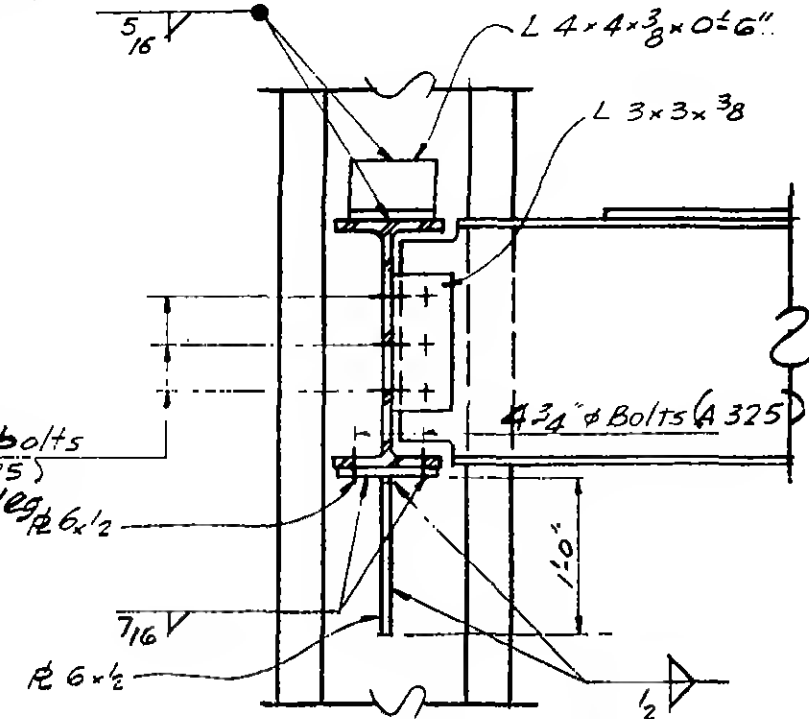
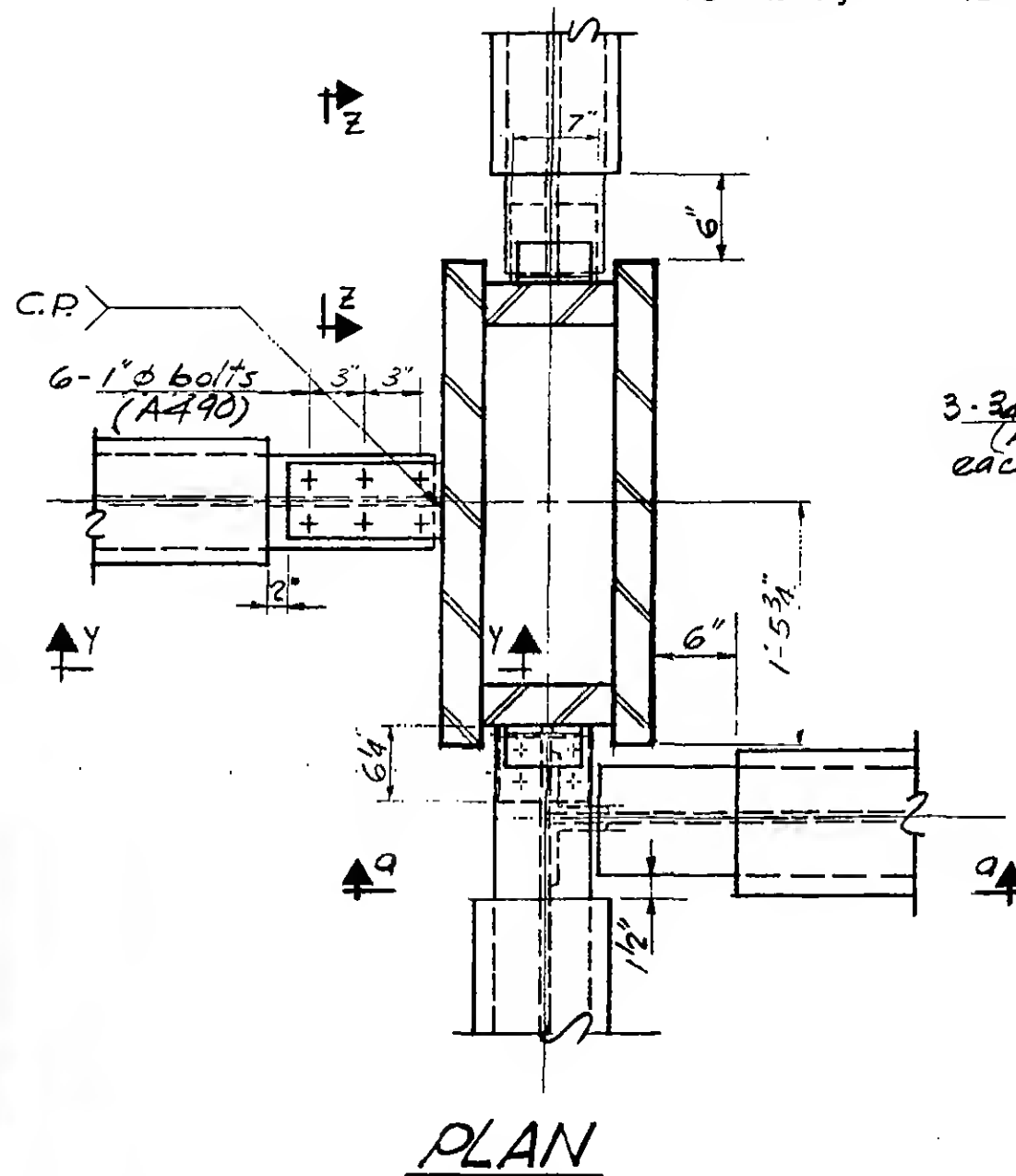
TITLE CONNECTION DETAIL 721

DATE 6-12-67

REVISIONS

6-30-67

For SECTIONS Z-Z & Y-Y
See DWG. G-ABI-234



SECTION a-a

	SECTION Y-Y	SECTION Z-Z
PLATES		
P.P.	6" x 3/4"	4" x 1/2"
P.Q.	7" x 7/8"	6 1/4" x 1/2"
P.R.	7" x 7/8"	—
DIMENSIONS		
A	0' 10 1/4"	1' 5 3/4"
B	1' 2"	6' 1/4"
BOLTS		
K	6-1" (A490)	—
L	6-1" (A490)	4-3/4" (A325)
WELDS		
①	5/8	3/8
②	5/8	3/8
③	C.P.	—
④	—	7/16

G-ABI-227



PROJECT THE WORLD TRADE CENTER

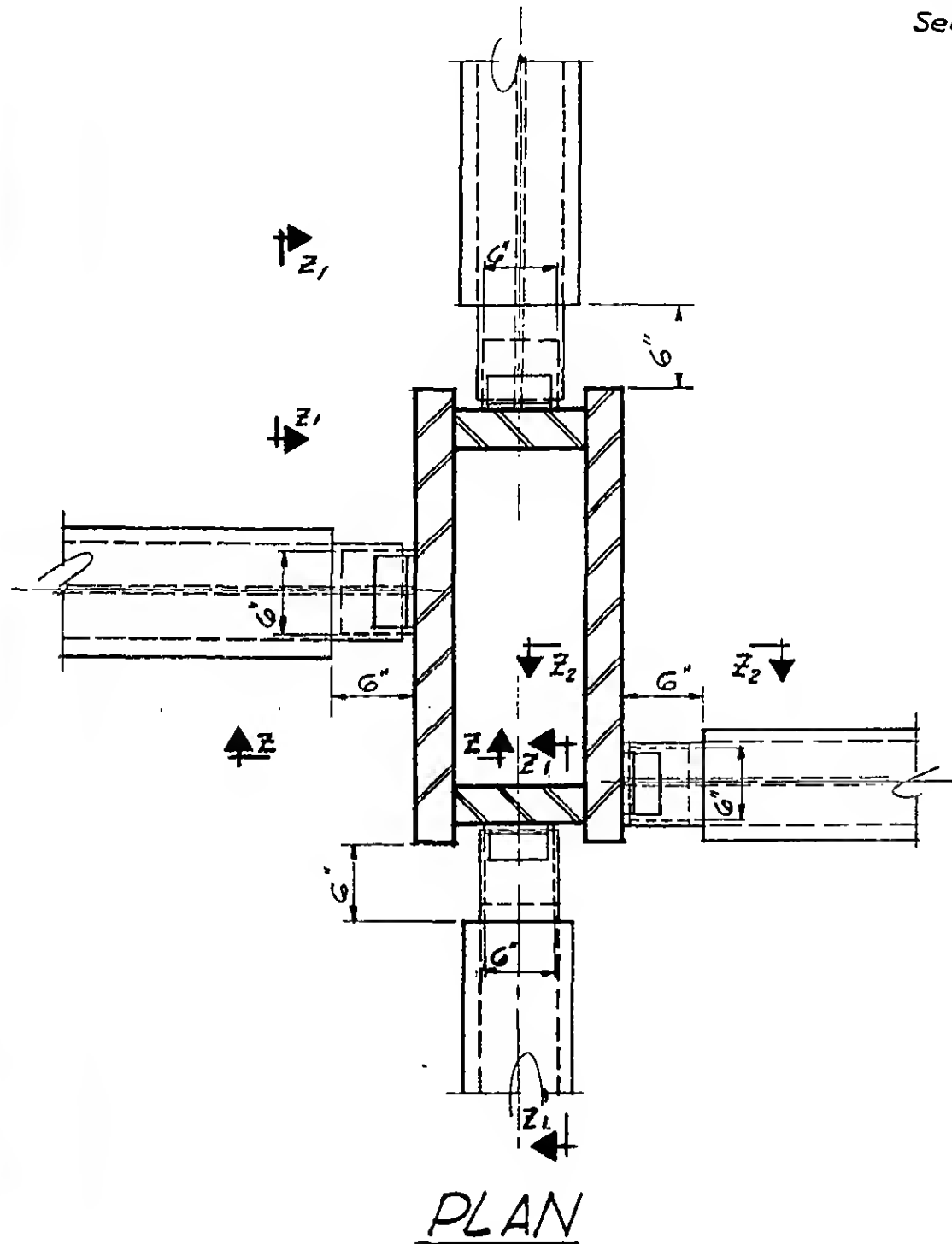
TITLE CONNECTION DETAIL 722

DATE 6-12-67

REVISIONS

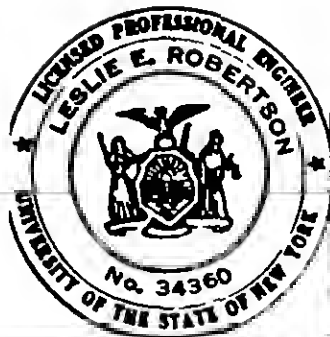
6-30-67

For SECTIONS Z-Z, Z₁-Z₁ & Z₂-Z₂
See Dwg. 6-ABI-234



	SECTION Z-Z	SECTION Z ₁ -Z ₁	SECTION Z ₂ -Z ₂
PLATES			
P P	6" x 5/8"	5" x 1/2"	4" x 1/2"
P Q	6 1/4" x 5/8"	6 1/4" x 1/2"	6 1/4" x 1/2"
DIMENSIONS			
A	0'-10 1/4"	1'-5 3/4"	0'-10 1/4"
B	0'-10"	0'-9"	0'-6"
BOLTS			
L	4-3/4" φ (A325)	4-3/4" φ (A325)	4-3/4" (A-325)
WELDS			
①	1/2"	3/8"	3/8"
②	1/2"	3/8"	3/8"
④	7/16"	7/16"	7/16"

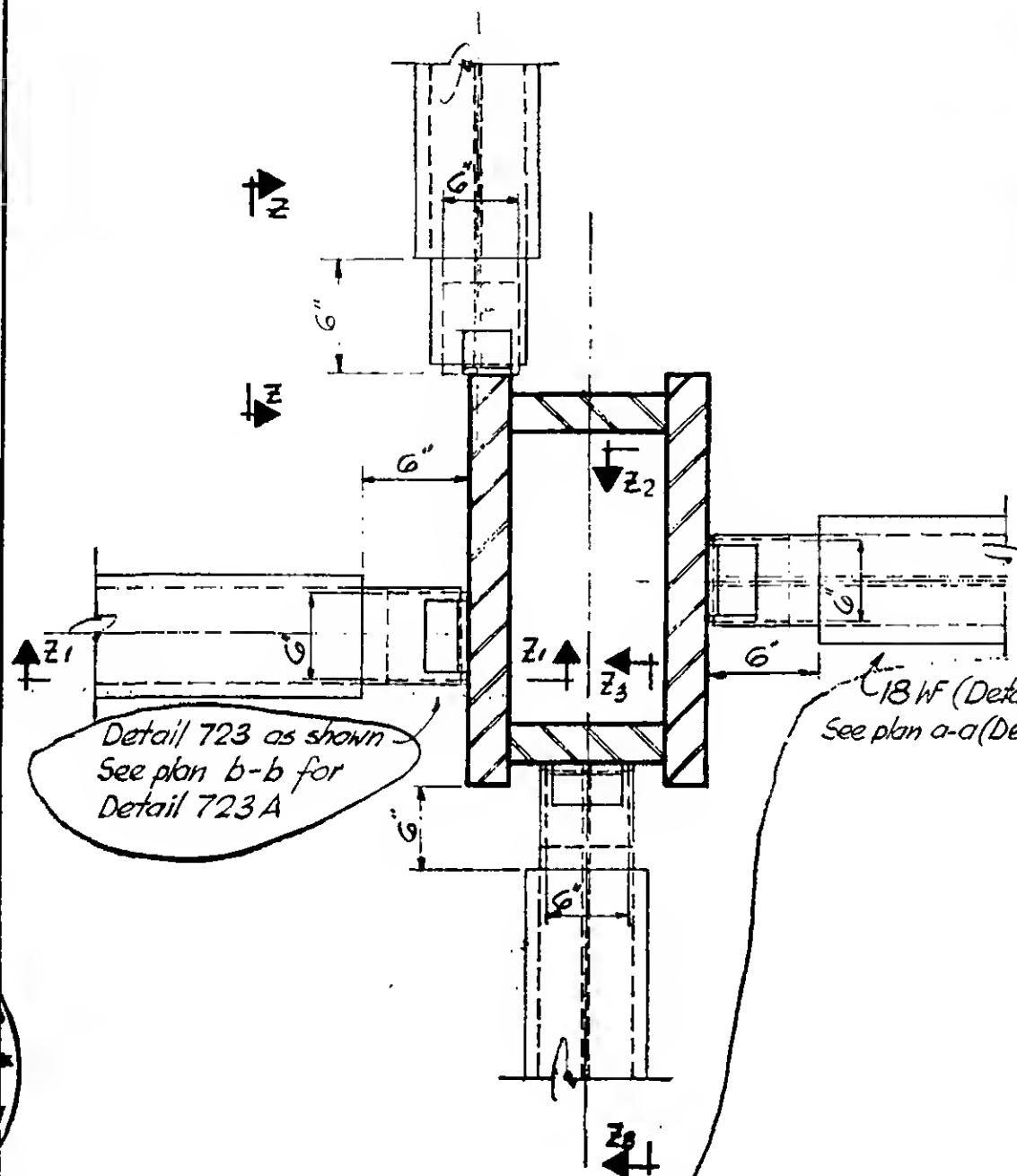
6-ABI-228



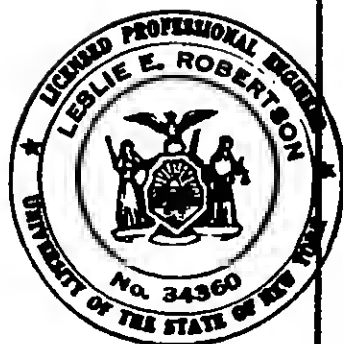
REVISIONS

6-30-67
2-9-68

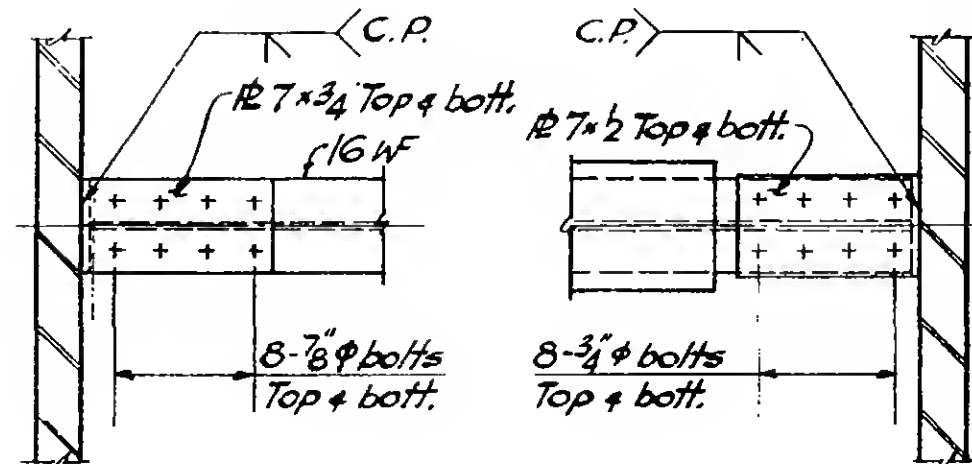
For Sections Z-Z, Z₁-Z₁, Z₂-Z₂ & Z₃-Z₃
See Dwg. G-ABI-234



	SECTION Z-Z	SECTION Z ₁ -Z ₁	SECTION Z ₂ -Z ₂	SECTION Z ₃ -Z ₃
PLATES				
P P	6" x 58"	4" x 2"	6" x 58"	4" x 2"
P Q	6 1/4" x 58"	6 1/4" x 2"	6 1/4" x 58"	6 1/4" x 2"
DIMENSIONS				
A	1'-5 1/4"	0'-10 3/4"	0'-10 3/4"	1'-3 1/4"
B	0'-11"	0'-8"	1'-2"	0'-8"
BOLTS				
L	4-3/4" φ (A325)	4-3/4" φ (A325)	4-3/4" φ (A325)	4-3/4" φ (A325)
WELDS				
①	1/2	5/16	1/2	5/16
②	1/2	5/16	1/2	5/16
③	C.P.	-	-	-
④	-	7/16	7/16	7/16



PLAN 723, 723 A



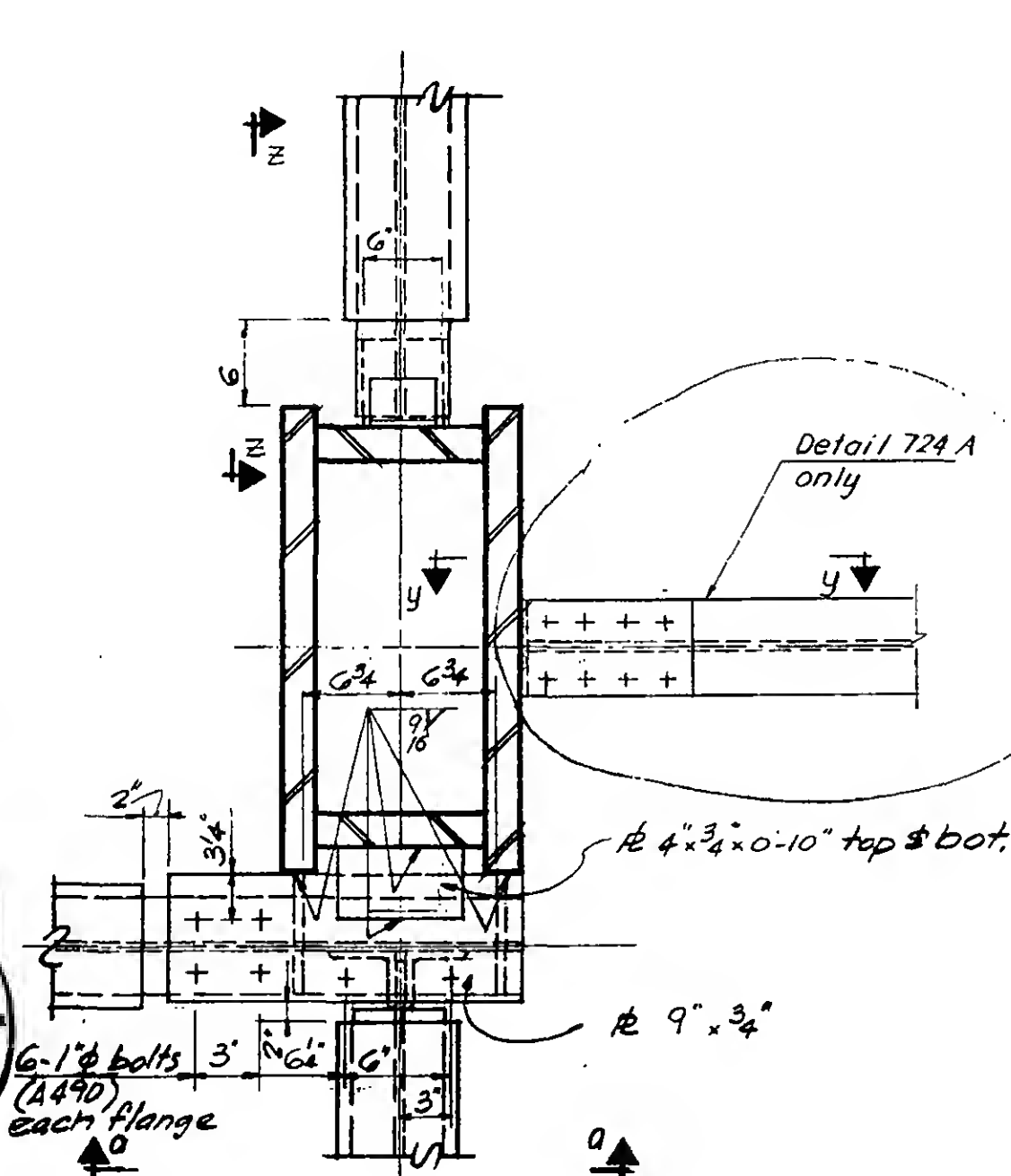
Plan a-a
(Brackets same as scheduled for detail 723)

Plan b-b

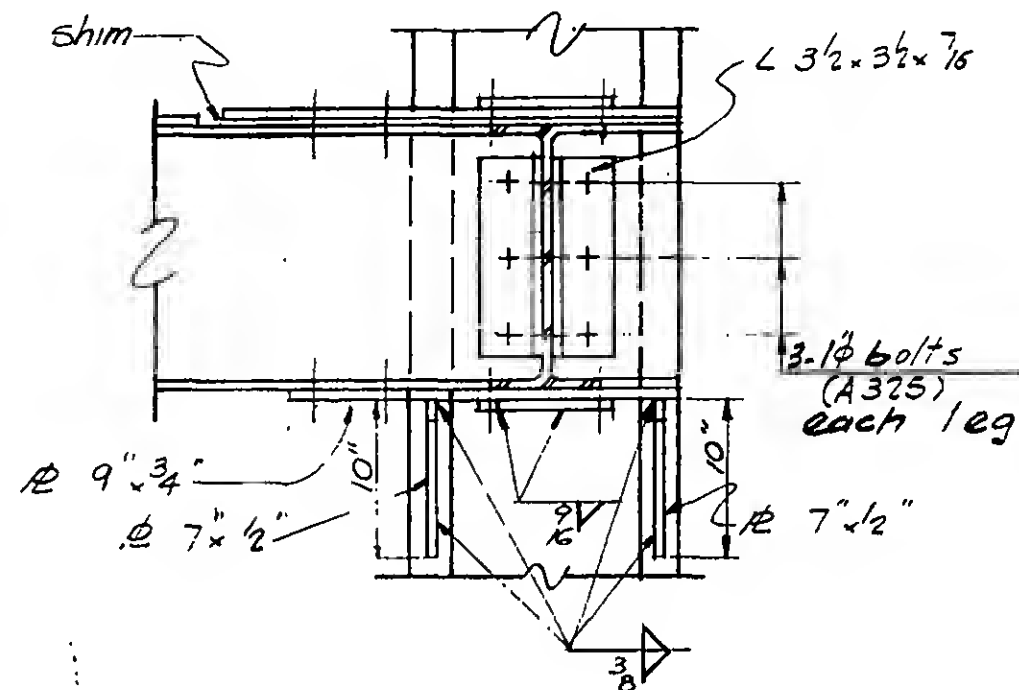
REVISIONS

6-30-67
2-9-68

For section Z-Z see
Dwg. 6-AB1-234



Plan 724, 724 A



Section a-a

	SECTION Z-Z	SECTION Y-Y
PLATES		
P	4 1/2" x 1/2"	6" x 5/8"
Q	6 1/4" x 1/2"	7" x 3/4"
R		7" x 3/4"
DIMENSIONS		
A	1'-5 3/4"	
B	0'-8"	1'-2"
BOLTS		
K		8-7/8" φ
L	4-3/4" φ (A325)	8-7/8" φ
WELDS		
1	3/8	1/2
2	3/8	1/2
4	7/16	C.P.

6-AB1-230

PROJECT THE WORLD TRADE CENTER

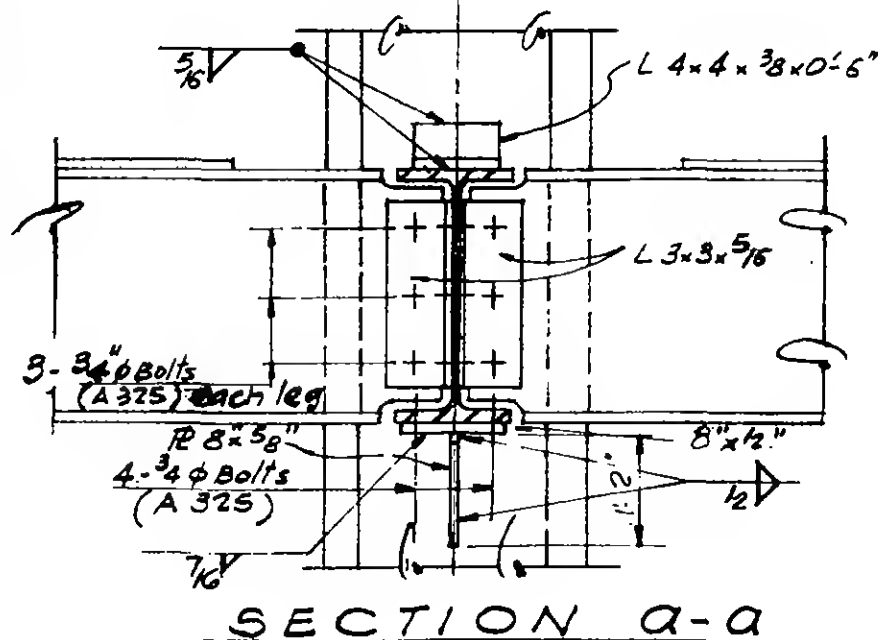
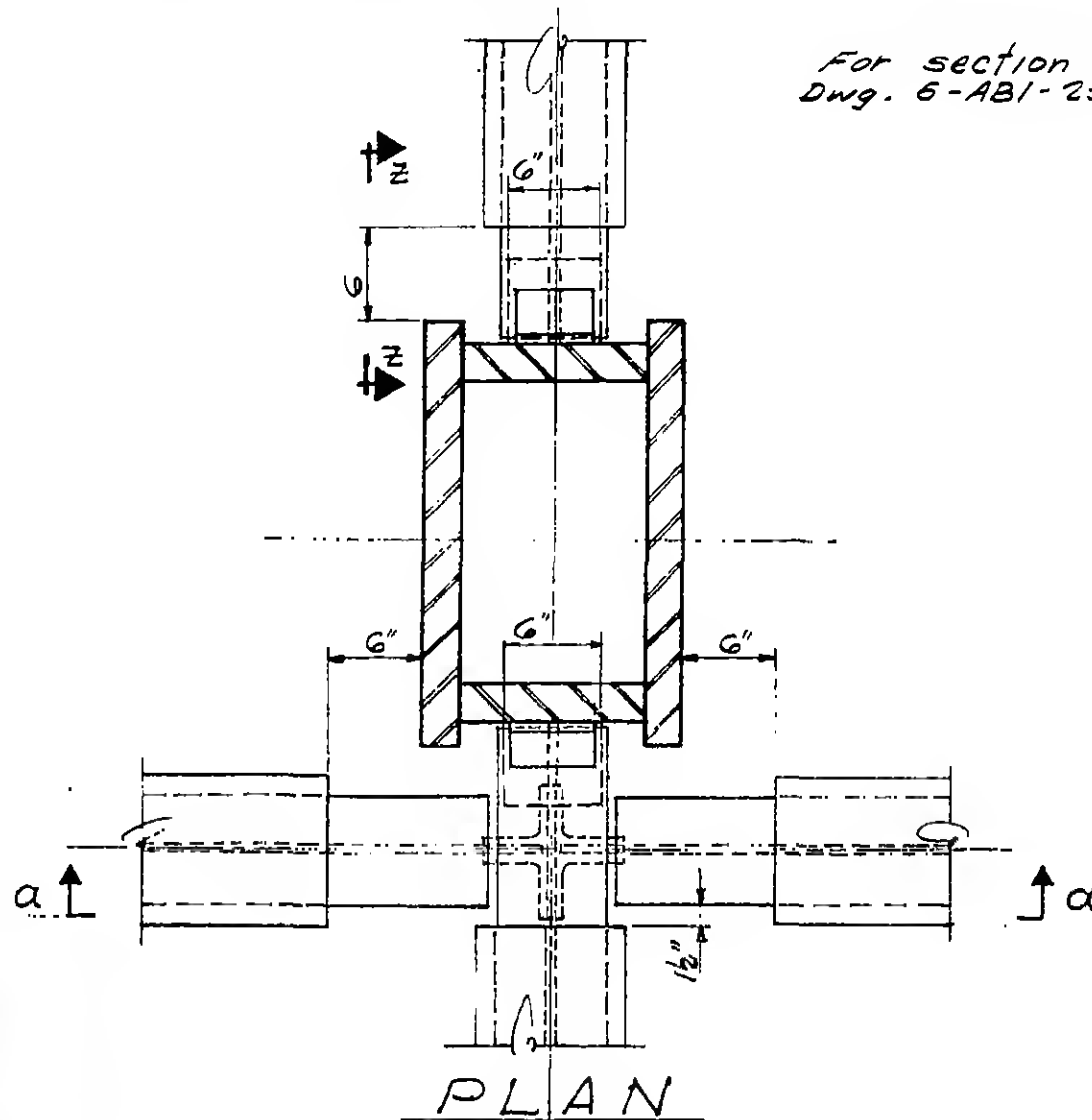
TITLE CONNECTION DETAIL 725

DATE 6-12-67

REVISIONS

6-30-67

For section Z-Z see
Dwg. 6-ABI-234



	SECTION Z-Z
PLATES	
RP	5" x 1/2"
RQ	6 1/4" x 1/2"
DIMENSIONS	
A	1'-2 1/4"
B	0'-10"
BOLTS	
L	4- 3/4" (A325)
WELDS	
①	5/16
②	5/16
④	7/16

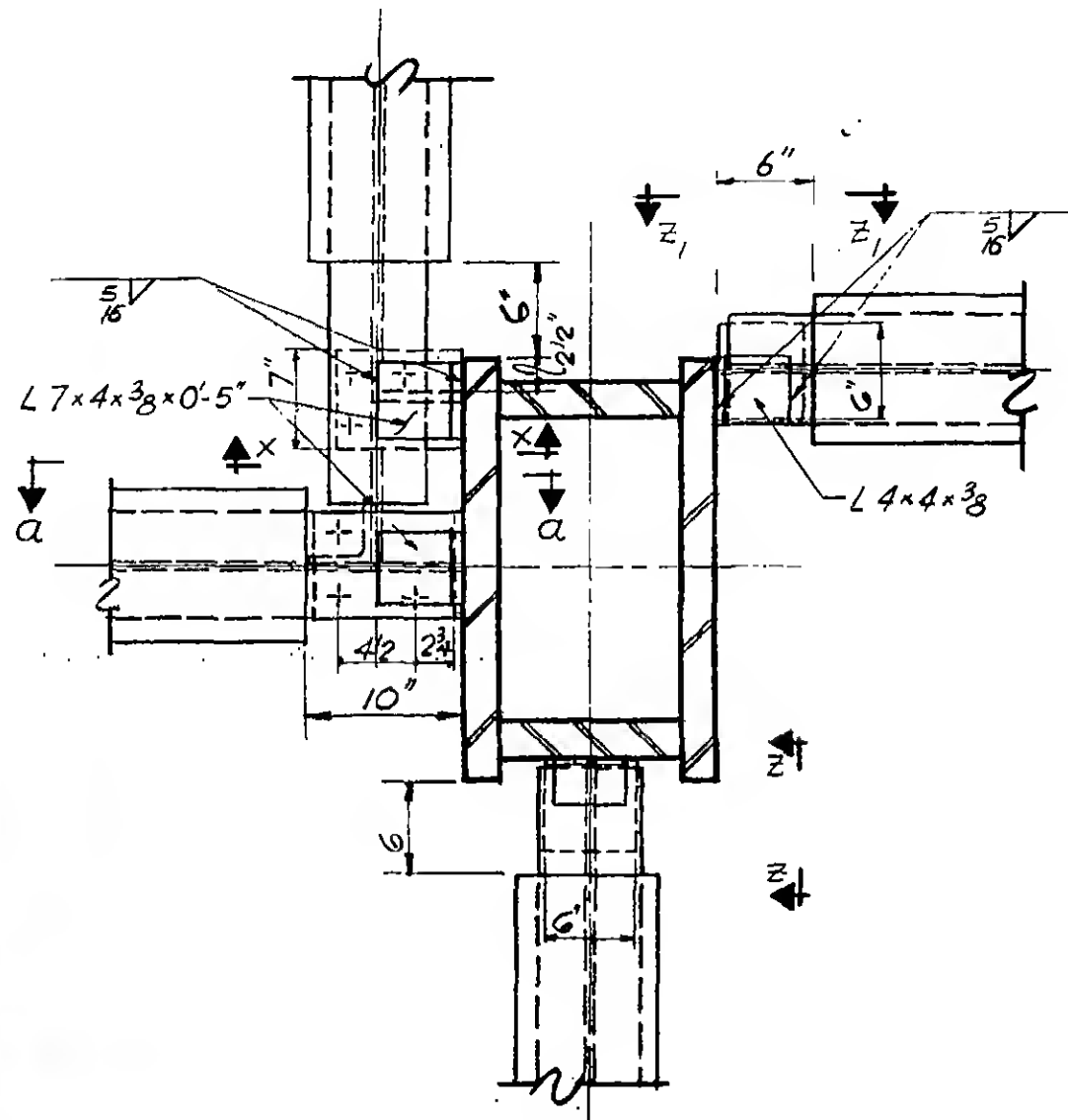


6-ABI-231

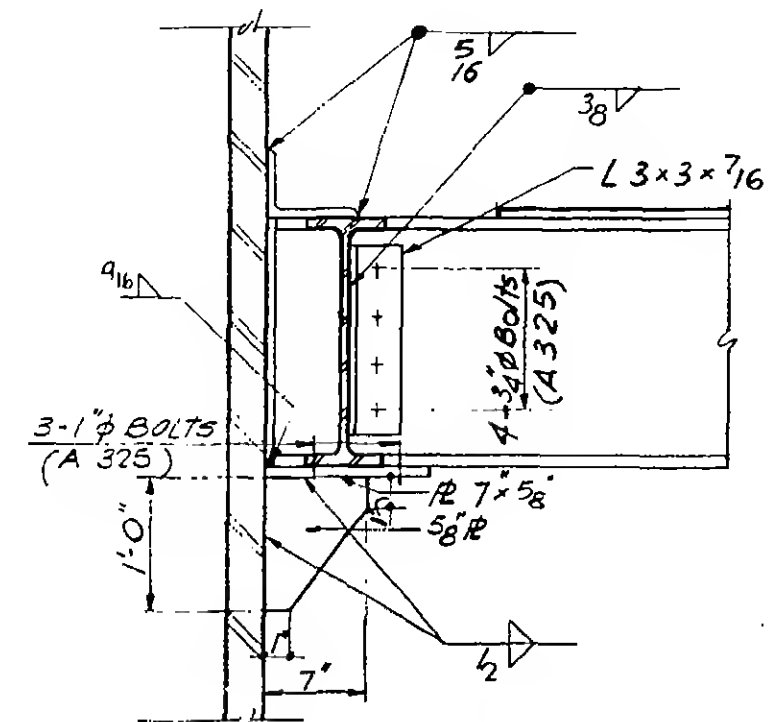
REVISIONS

6-30-67

For section X-X, Z-Z, Z₁-Z₁,
See Dwg. 6-AB1-234



PLAN



SECTION a-a

	SECTION X-X	SECTION Z-Z	SECTION Z ₁ -Z ₁
PLATES			
R P	7 1/2" x 1/2"	5" x 1/2"	5" x 1/2"
R Q	1/2"	6 1/4" x 1/2" x 0'-6"	6 1/4" x 1/2"
DIMENSIONS			
A	1'-0 3/4"	1'-2 1/4"	0'-10 3/4"
B	0'-11"	0'-8"	0'-8"
BOLTS			
L	3-1" φ (A 325)	4-3/4" φ (A 325)	4-3/4" (A 325)
WELDS			
①	3/8	5/16	5/16
②	3/8	5/16	5/16
③	—	—	C.P.
④	7/16	7/16	—

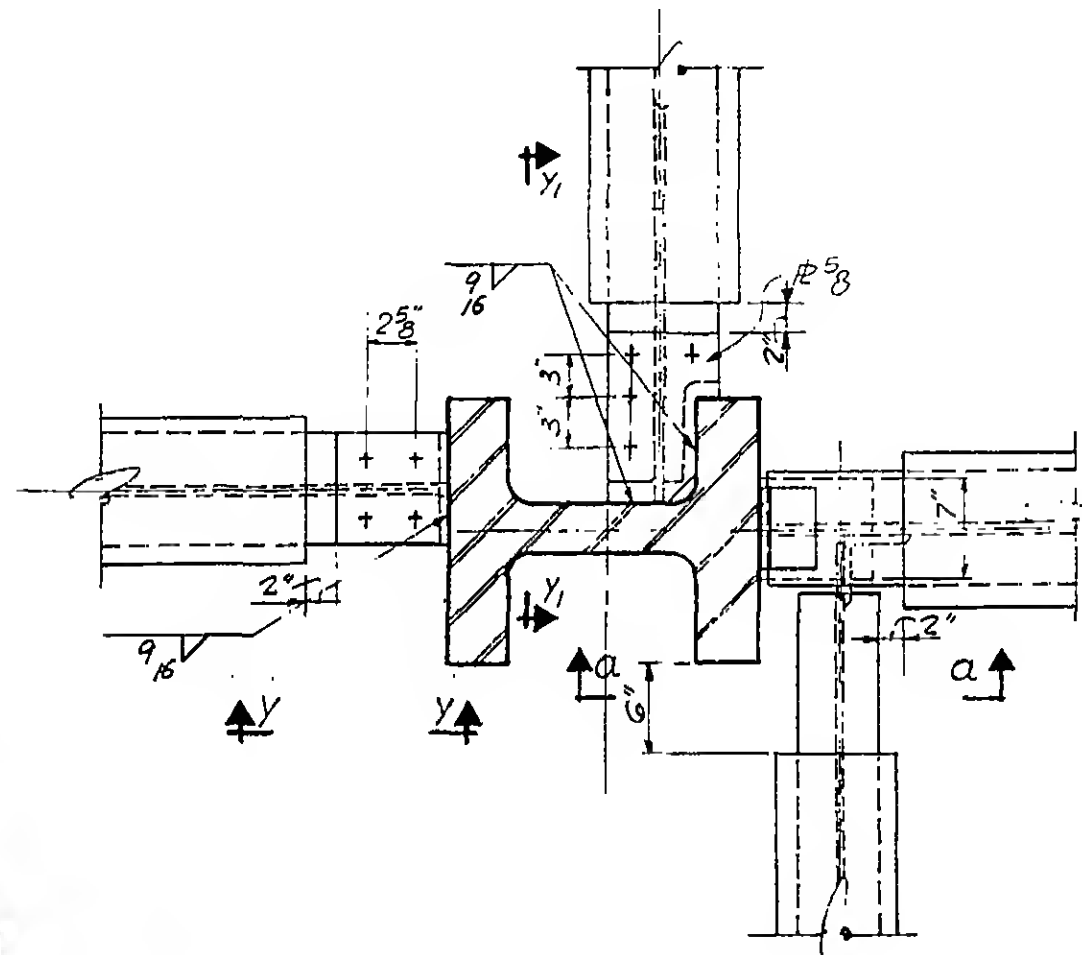
6-AB1-232



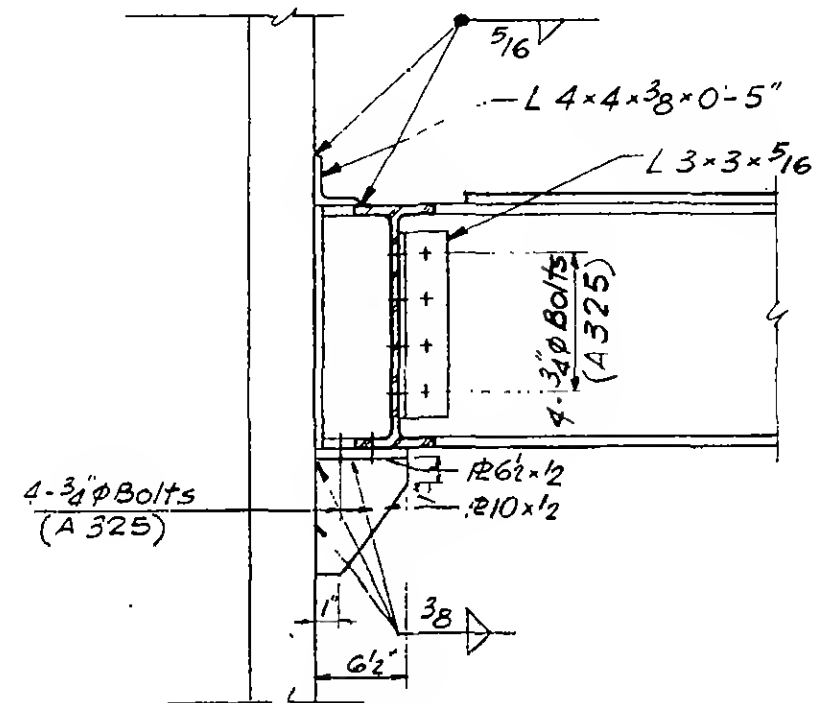
REVISIONS

6-30-67

For section Y-Y, Y₁-Y₁ See
Dwg. G-AB1-234

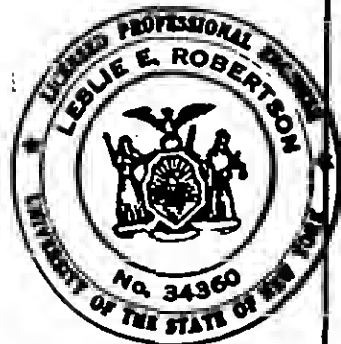


PLAN



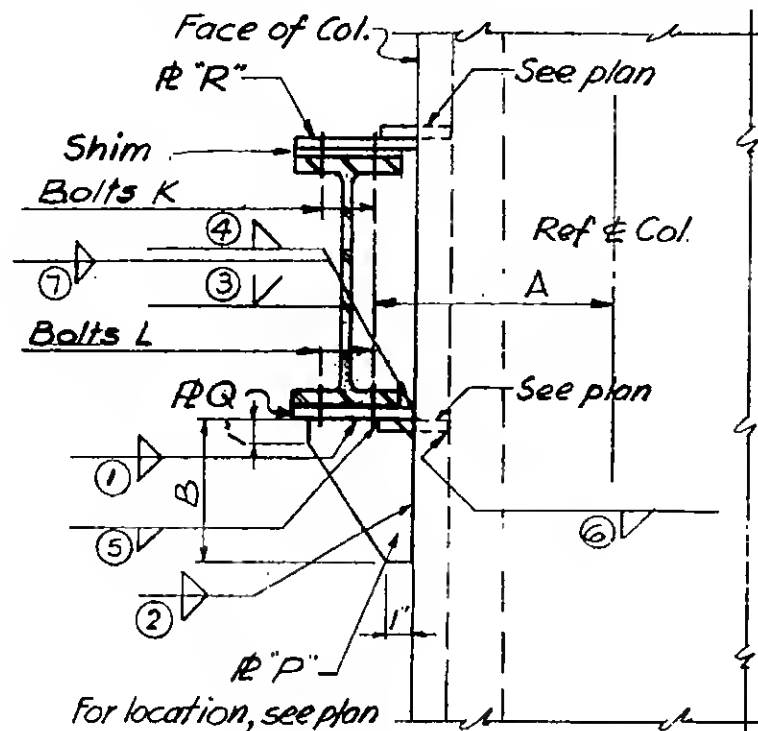
SECTION a-a

	SECTION Y-Y	SECTION Y ₁ -Y ₁
PLATES		
R P	7" x 1/2"	7" x 5/8"
R Q	6 1/2" x 5/8"	Same as R R
R R	6 1/2" x 5/8"	See plan.
DIMENSIONS		
A	1'-0 5/8"	0'-4"
B	0'-8"	0'-11"
BOLTS		
K	4-7/8" φ (A325)	4-1" φ (A325)
L	4-7/8" φ (A325)	4-1" φ (A325)
WELDS		
①	3/8	1/2
②	3/8	1/2
④	9/16	9/16



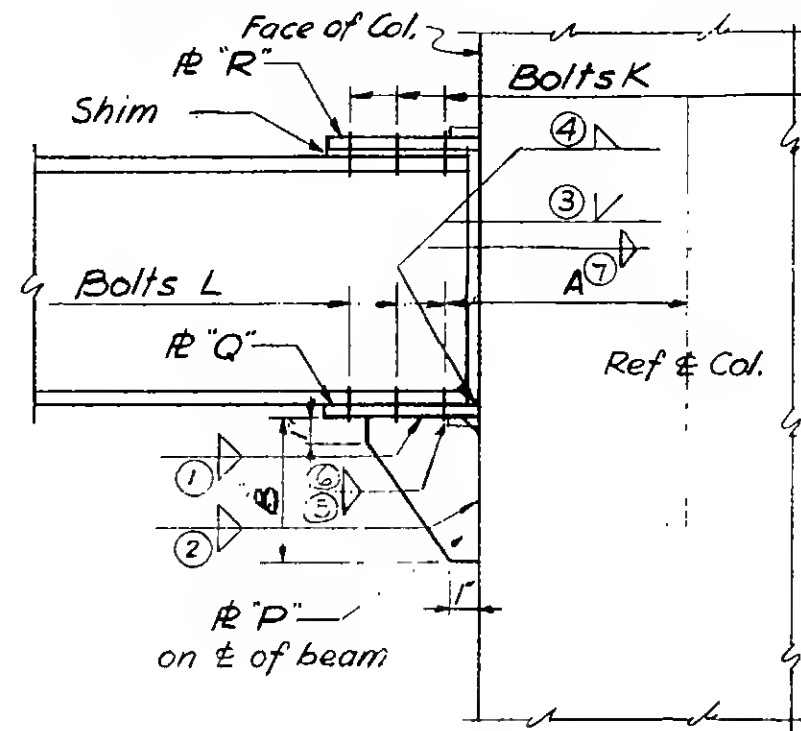
G-AB1-233

REVISIONS



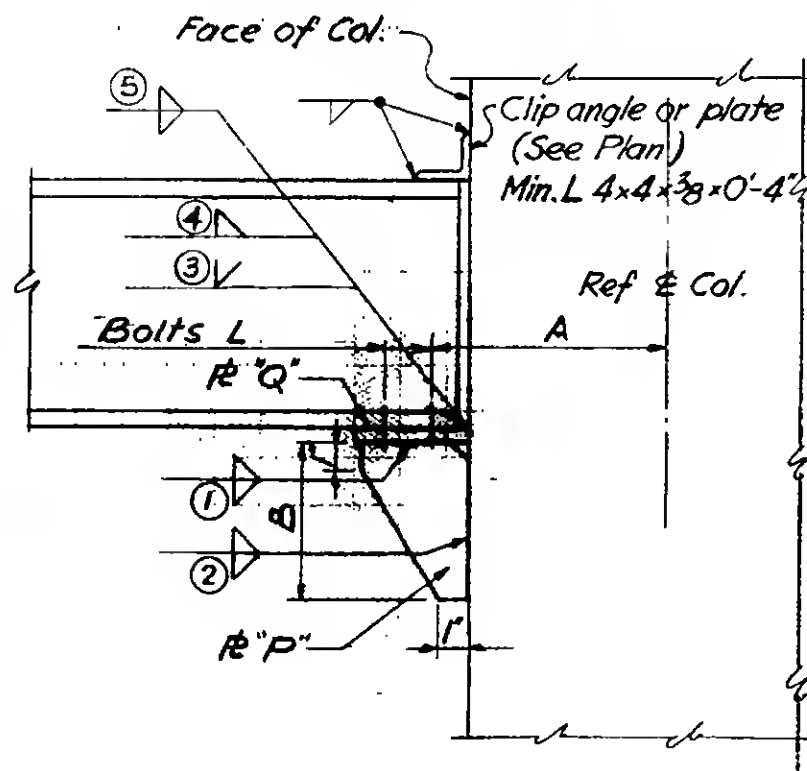
SECTION X-X

SECTION X1-X1, X2-X2 Similar except as noted in schedule and plan.



SECTION Y-Y

SECTION Y1-Y1, Y2-Y2 Similar except as noted in schedule and plan.



SECTION Z-Z

SECTION Z1-Z1, Z2-Z2, Z3-Z3 similar except as noted in schedule and plan.

NOTE:

Minimum distances between center lines of bolt holes shall be

3/4", 7/8", 1" bolts - 3"

1 1/8" bolts 3 3/8"

unless otherwise noted



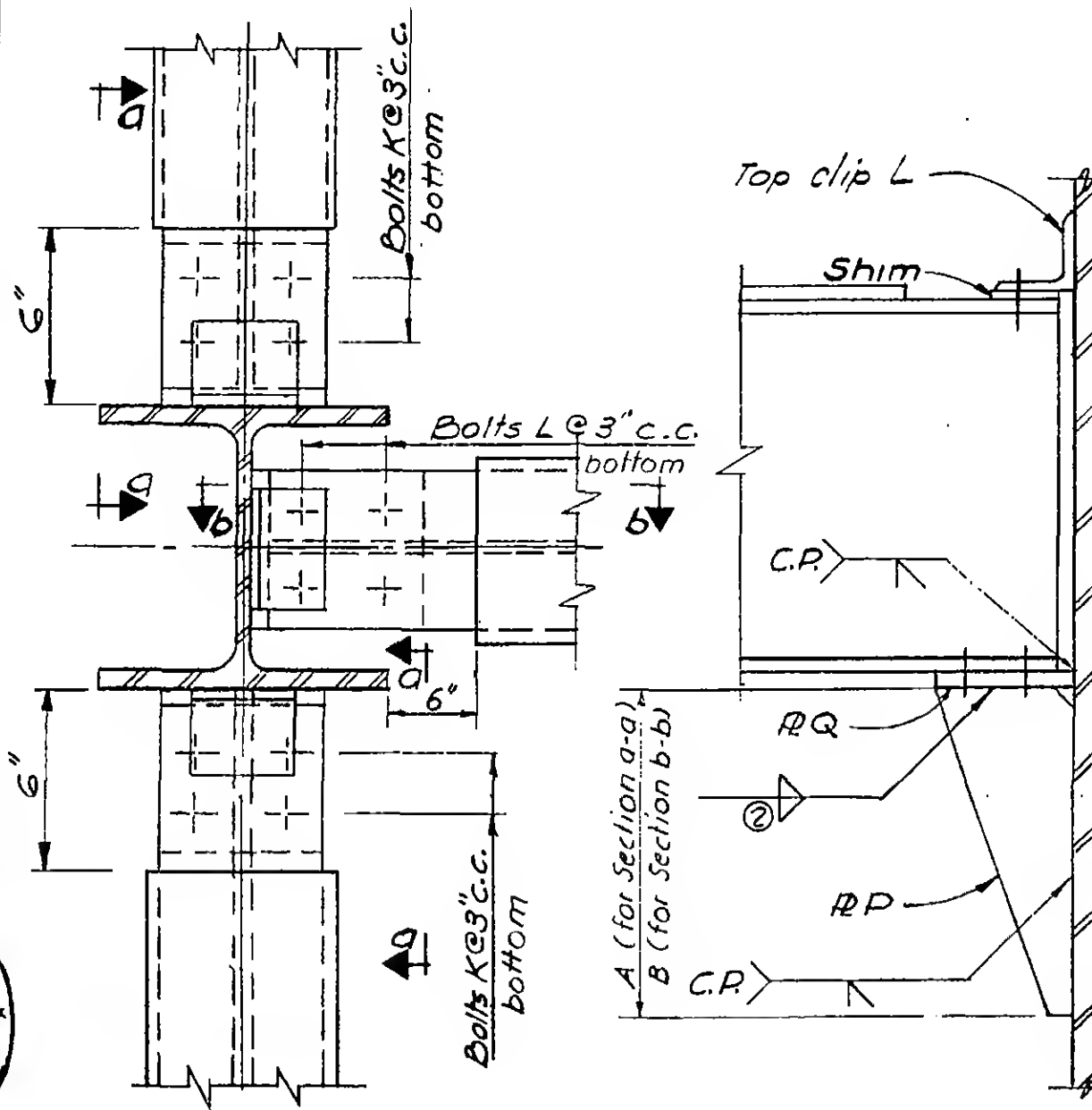
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 728 728 A

DATE 8-14-67

REVISIONS

2-9-68

PlanSection a-a
Section b-b

SCHEDULE 728

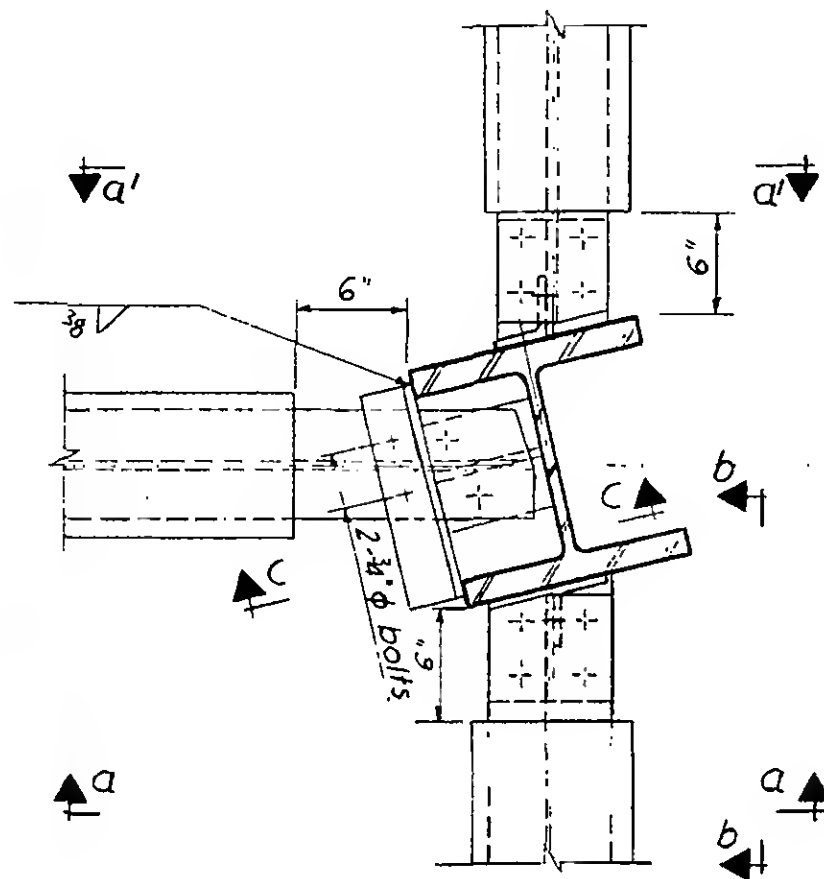
	Section a-a	Section b-b
PLATES		
P	3/4"	3/4"
Q	3/4"	3/4"
DIMENSIONS		
A	1'-3"	—
B	—	1'-2"
BOLTS		
K	4-7/8" φ	
L		4-3/4" φ
WELDS		
②	5/16	5/16

SCHEDULE 728 A

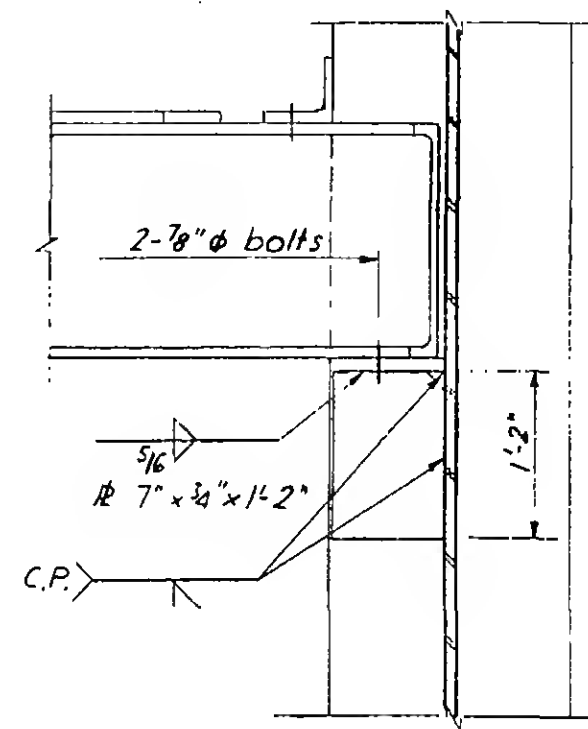
BEAM SIZE	Section a-a & Section b-b					
	RP	RQ	DIM. A	BOLTS K	BOLTS L	WELD ②
12 WF	1/2"	1/2"	1'-0"	4-7/8" φ	4-3/4" φ	5/16
14 WF	5/8"	5/8"	1'-2"	4-7/8" φ	4-3/4" φ	5/16
16 WF 36	3/4"	3/4"	1'-2"	4-7/8" φ	4-3/4" φ	5/16
16 WF 40	3/4"	3/4"	1'-2"	4-7/8" φ	4-3/4" φ	5/16
16 WF 45	3/4"	3/4"	1'-2"	4-7/8" φ	4-3/4" φ	5/16
18 WF 50	3/4"	3/4"	1'-6"	4-7/8" φ	4-3/4" φ	5/16
18 WF 55, 60	3/4"	3/4"	1'-2"	4-7/8" φ	4-3/4" φ	5/16
18 WF 77	1"	1"	1'-4"	4-7/8" φ	4-3/4" φ	5/16
21 WF 55	3/4"	3/4"	1'-3"	4-7/8" φ	4-3/4" φ	5/16



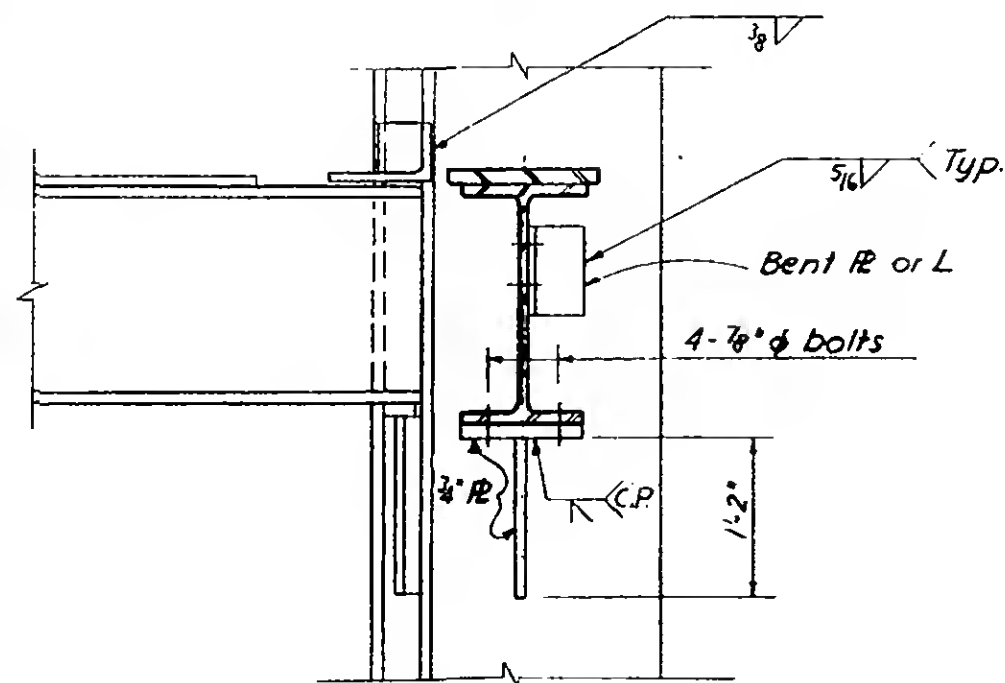
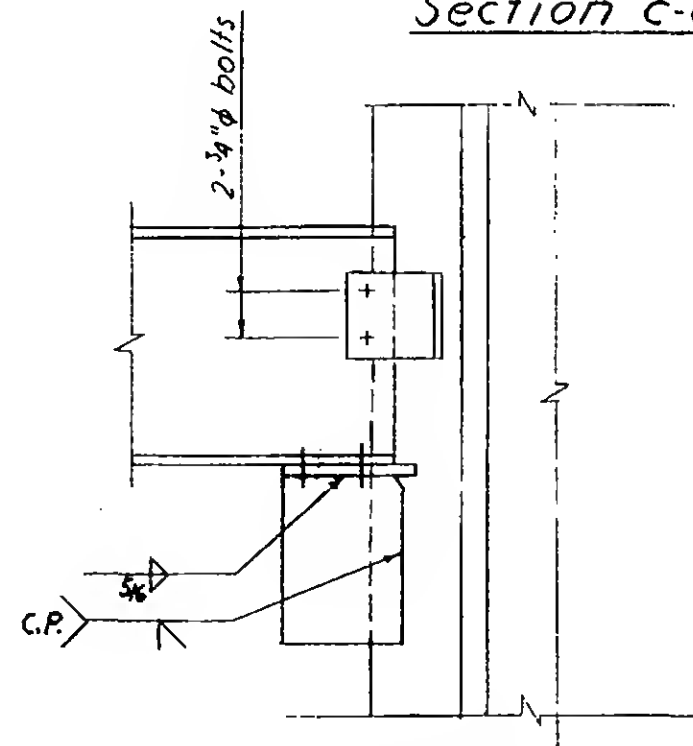
REVISIONS



Plan



Section c-c

Section a-a
(a'-a' similar)

Section b-b



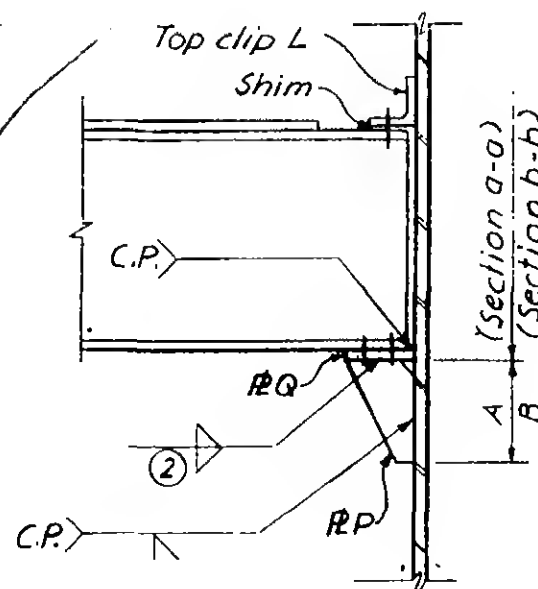
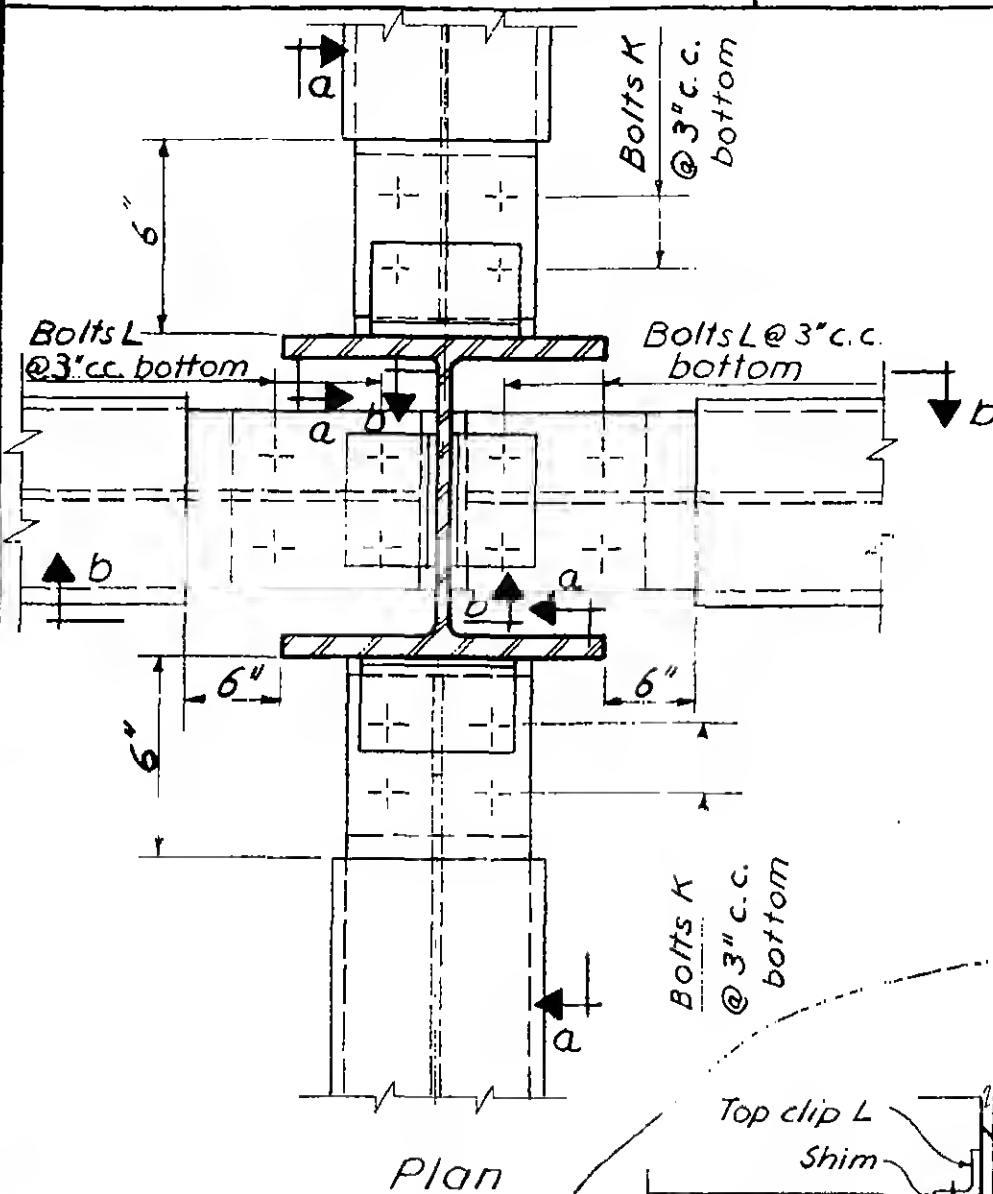
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 729, 729 A

DATE 8-14-67

REVISIONS

2-9-68



SCHEDULE 729 A

BEAM SIZE	Section a-a & Section b-b		DIM. A	BOLTS K	BOLTS L	WELD ②
	R P	R Q				
12 WF	1/2"	1/2"	1'-0"	4-7/8" φ	4-3/4" φ	5/16
14 WF	5/8"	5/8"	1'-2"	4-7/8" φ	4-3/4" φ	5/16
16 WF	3/4"	3/4"	1'-2"	4-7/8" φ	4-3/4" φ	5/16
18 WF 45	3/4"	3/4"	1'-2"	4-7/8" φ	4-3/4" φ	5/16
18 WF 50 to 18 WF 85	3/4"	3/4"	1'-6"	4-7/8" φ	4-3/4" φ	5/16

SCHEDULE 729

	Section a-a	Section b-b
PLATES		
P	3/4"	3/4"
Q	3/4"	3/4"
DIMENSIONS		
A	1'-2"	
B		1'-2"
BOLTS		
K	4-1 1/8" φ	
L		4-3/4" φ
WELDS		
②	5/16	5/16



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

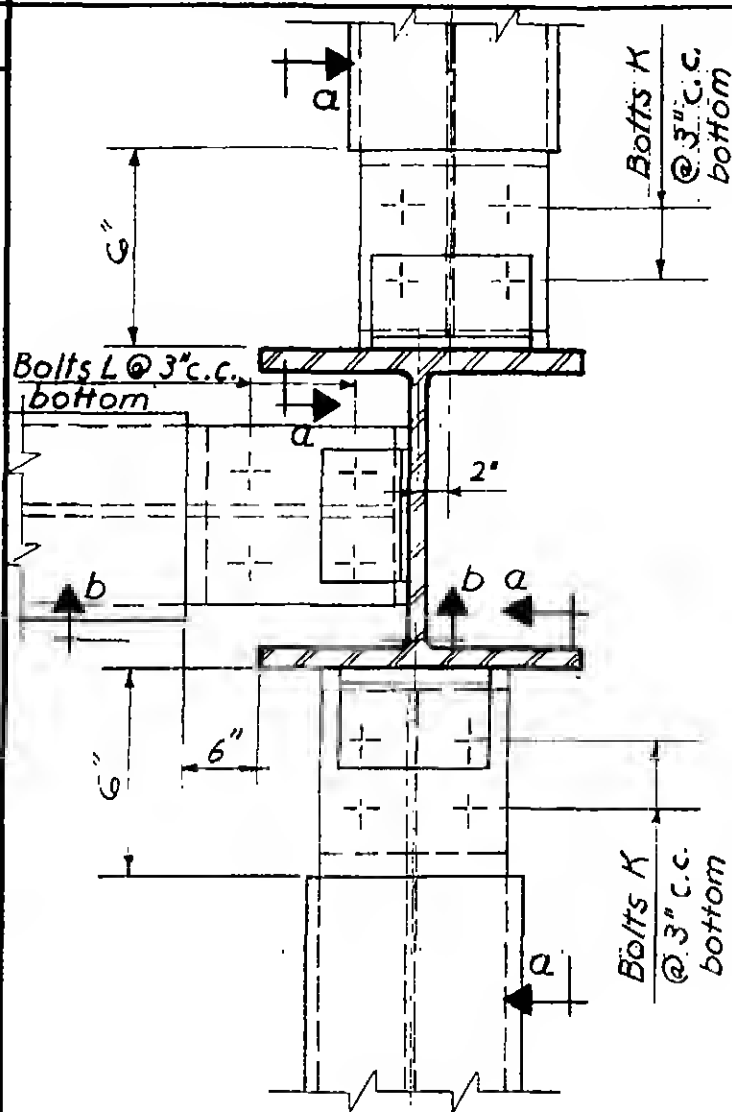
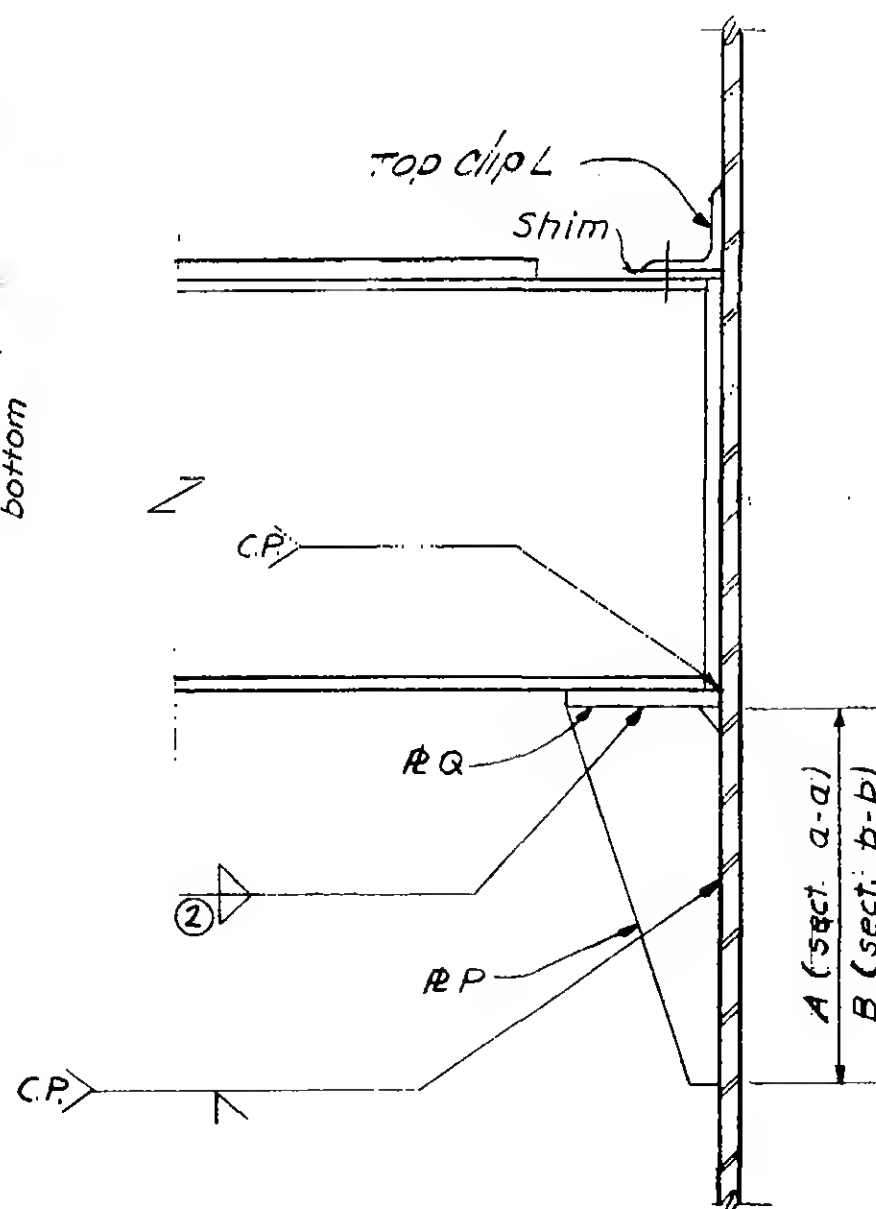
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 730

DATE 8-14-67

REVISIONS

Plan

Section a-a
Section b-b

SCHEDULE

	Sect. a-a	Sect. b-b
PLATES		
P	3/4"	3/4"
Q	3/4"	3/4"
DIMENSIONS		
A	1'-3"	—
B	—	1'-2"
BOLTS		
K	4 - 7/8" φ	—
L	—	4 - 3/4" φ
WELDS		
②	5/16	5/16



6-ABI-237

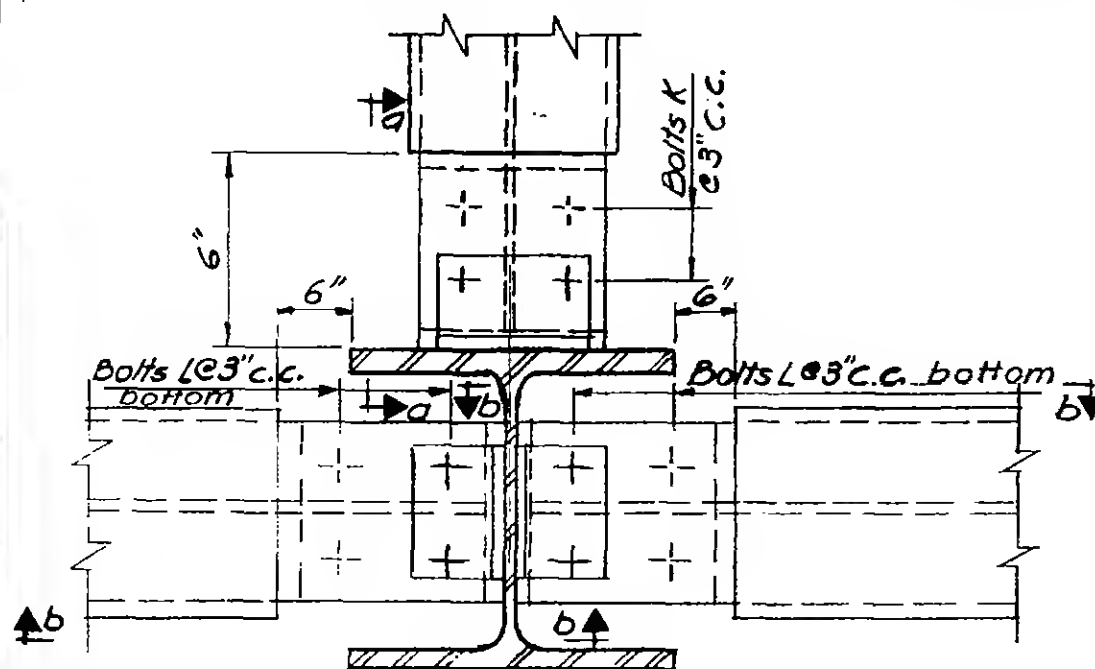
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 731, 731 A

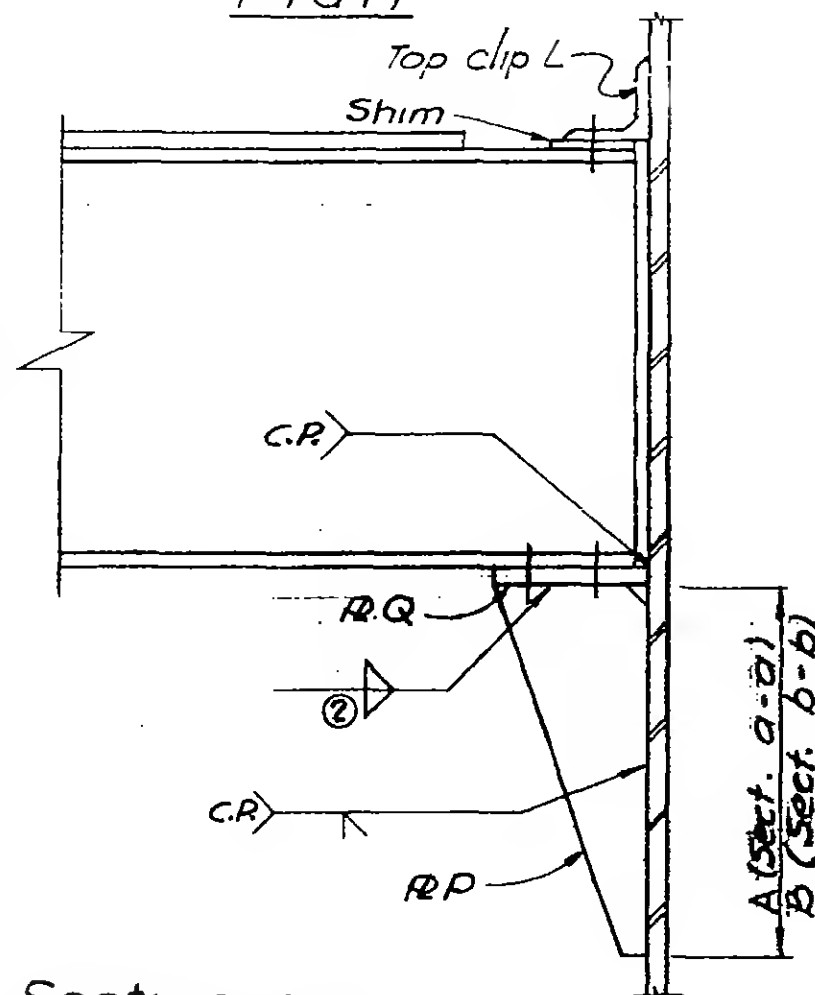
DATE 8-14-67

REVISIONS

2-9-68



Plan

Section a-a
Section b-b

SCHEDULE 731

	Section a-a	Section b-b
PLATES		
P	7/8"	3/4"
Q	7/8"	3/4"
DIMENSIONS		
A	1'-5"	—
B	—	1'-2"
BOLTS		
K	4 - 7/8" ϕ	—
L	—	4 - 3/4" ϕ
WELDS		
②	5/16	5/16

SCHEDULE 731 A

BEAM SIZE	Section a-a & Section b-b					
	R P	R Q	DIM. A	BOLTS K	BOLTS L	WELD ②
14 W	5/8"	5/8"	1'-2"	4 - 7/8" ϕ	4 - 3/4" ϕ	5/16
16 W	3/4"	3/4"	1'-2"	4 - 7/8" ϕ	4 - 3/4" ϕ	5/16
18 W 55	3/4"	3/4"	1'-2"	4 - 7/8" ϕ	4 - 3/4" ϕ	5/16
18 W 60	3/4"	3/4"	1'-2"	4 - 7/8" ϕ	4 - 3/4" ϕ	5/16
18 W 77	3/4"	3/4"	1'-6"	4 - 7/8" ϕ	4 - 3/4" ϕ	5/16



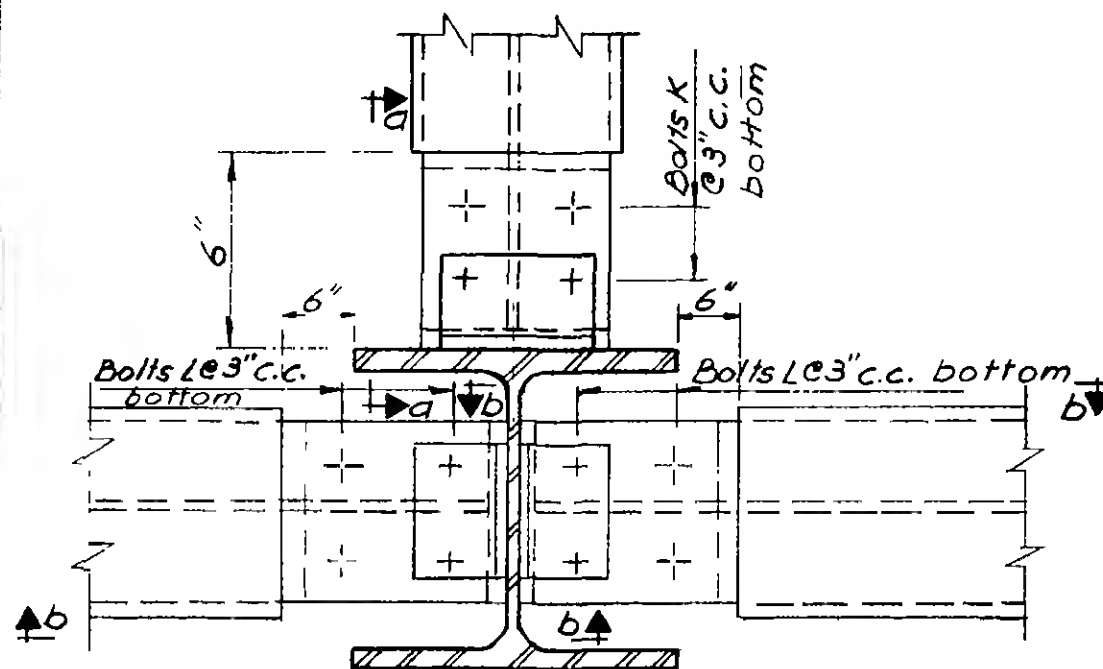
6-ABI-238

PROJECT THE WORLD TRADE CENTER

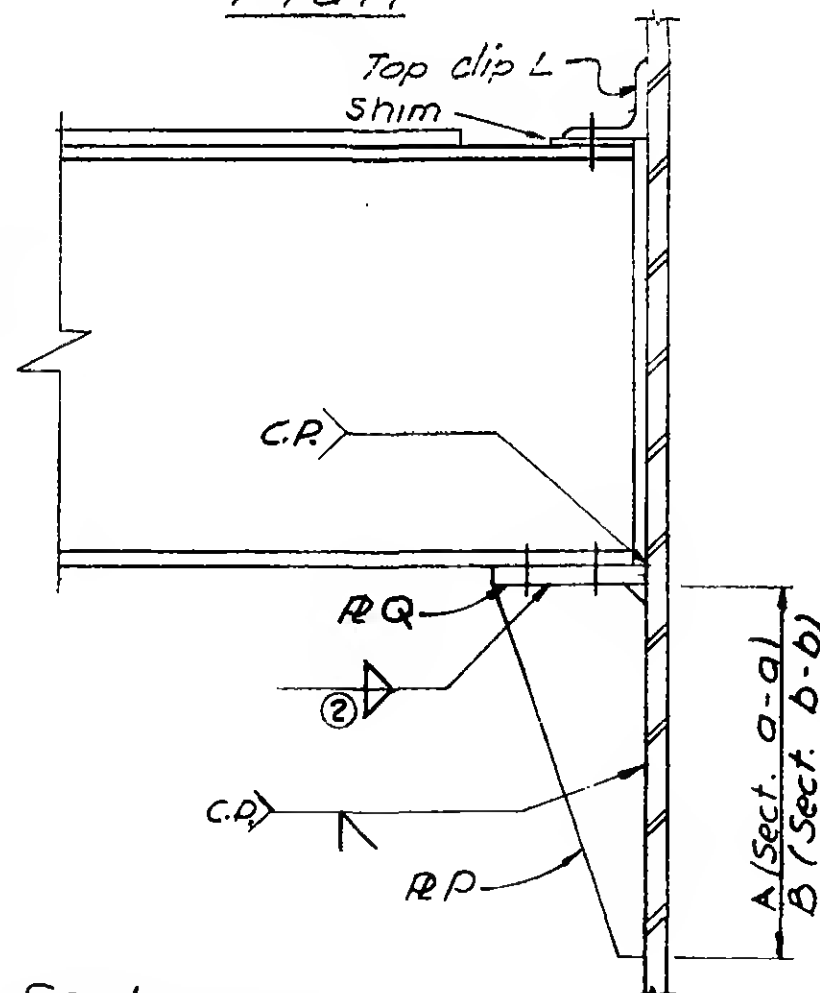
TITLE CONNECTION DETAIL 732

DATE 8-14-67

REVISIONS



Plan

Section a-a
Section b-b

SCHEDULE

	Section a-a	Section b-b
PLATES		
P	3/4"	3/4"
Q	3/4"	3/4"
DIMENSIONS		
A	1'-3"	—
B	—	1'-5"
BOLTS		
K	4-7/8"φ	—
L	—	4-3/4"φ
WELDS		
②	5/16	5/16



G-ABI-239

PROJECT THE WORLD TRADE CENTER

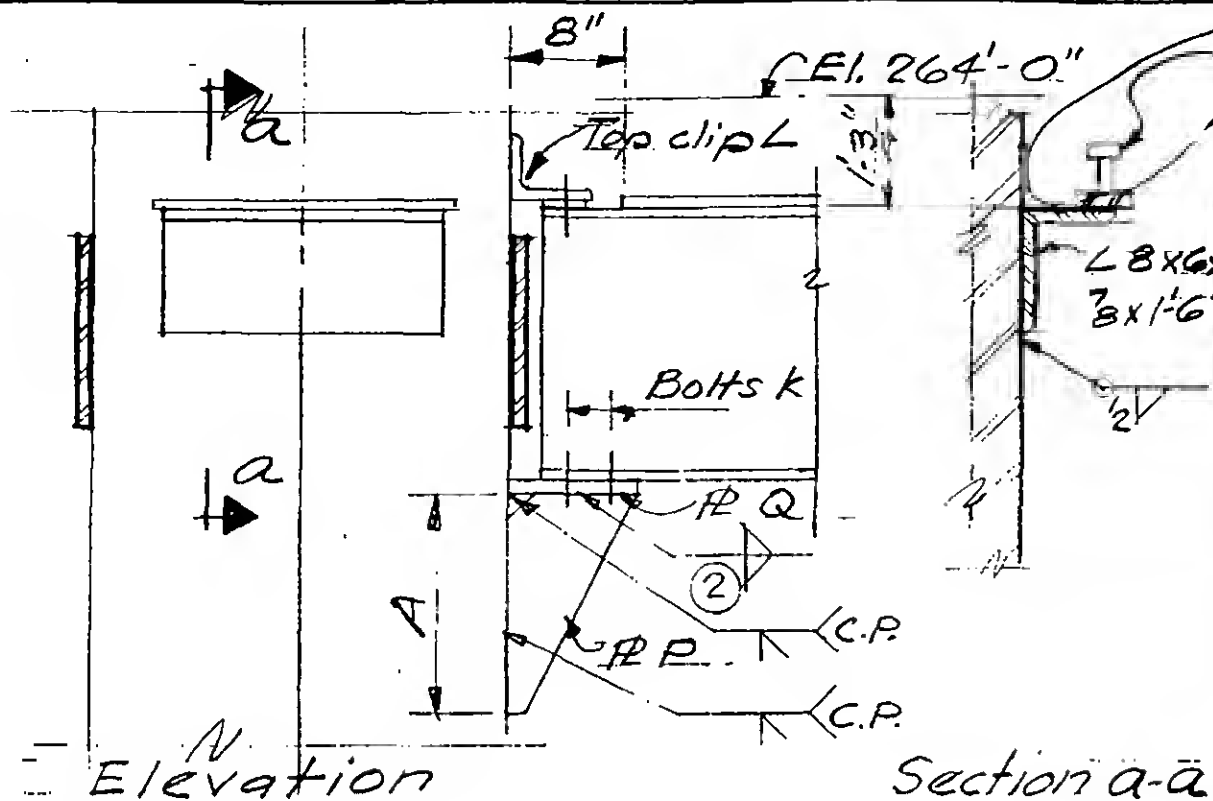
TITLE CONNECTION DETAIL 733 A, B & C

DATE 8-14-67

REVISIONS

2-9-68

7-17-68

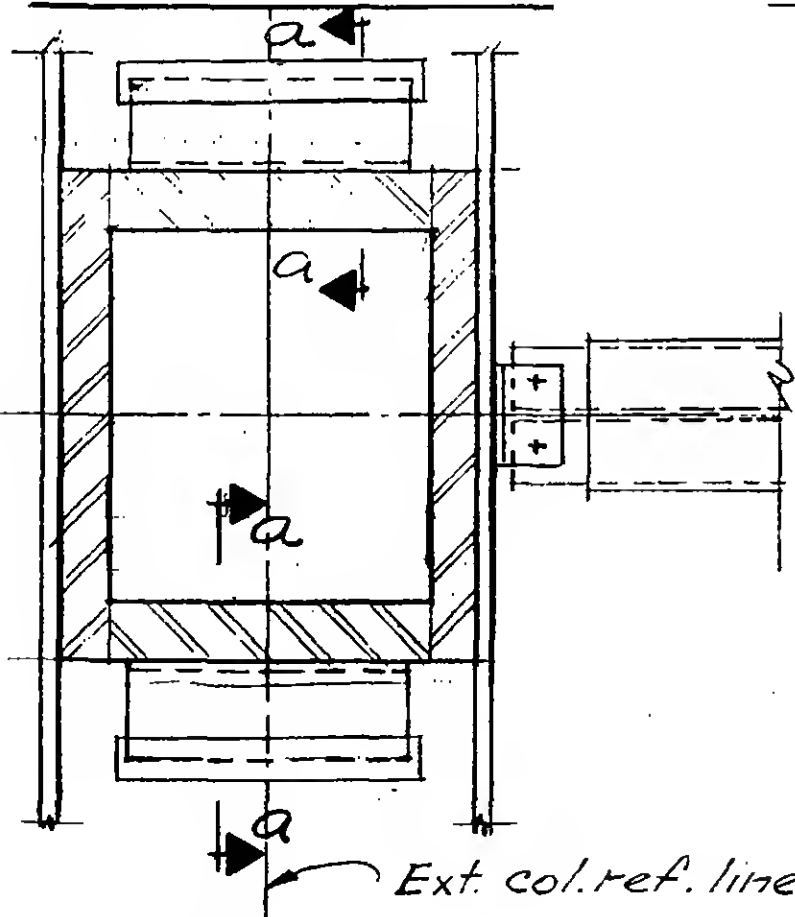
slide $\frac{1}{4} \times 3 \times 1'-8"$ with 3- $\frac{3}{4}$ " shear studs
WTC 226-00. Use only as scheduled below

SCHEDULE

	733 A	733 B	733 C
PLATES			
P	58"	34"	34"
Q	58"	34"	34"
DIMENSIONS			
A	1'-4"	1'-4"	1'-6"
BOLTS			
K	4-1/8" ϕ	4-7/8" ϕ	4-1/8" ϕ
WELDS			
(2)	5/16	5/16	5/16

Elevation

Section a-a



SLIDE PLATE SCHEDULE	
TOWER	COLS. WHERE USED
A	159, 201
B	148 thru 159 201 thru 259 301 thru 312 401 thru 445



6-AB1-240

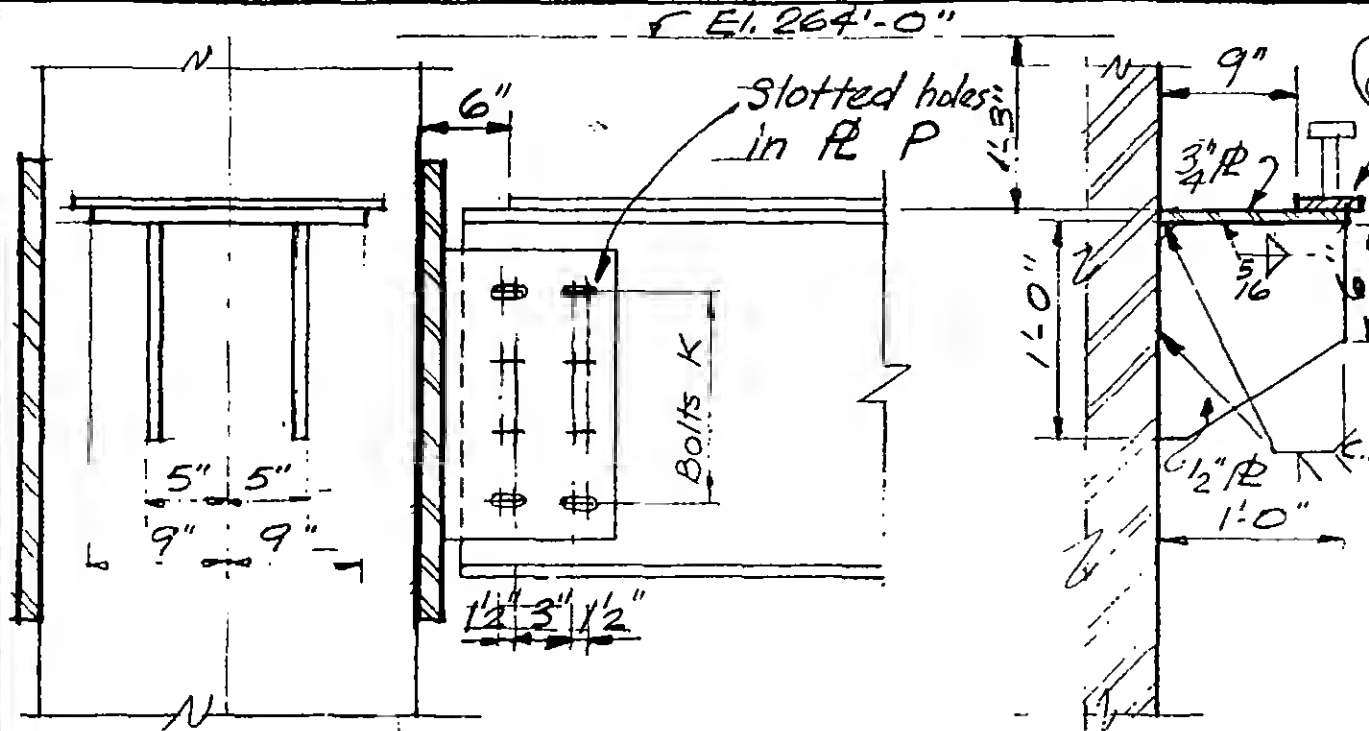
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 734 A & B

DATE 8-14-67

REVISIONS

7-17-68



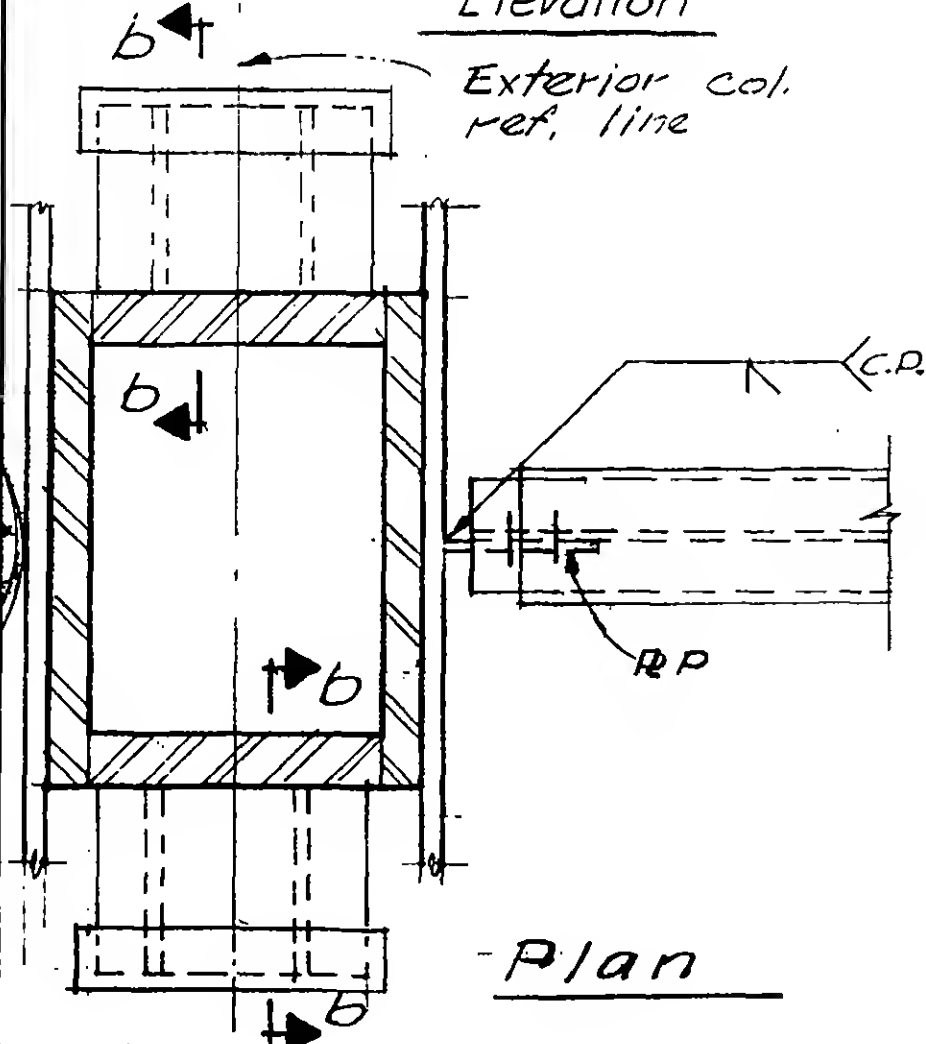
See 6-ABI-240 for slide P schedule.

SCHEDULE

	734 A	734 B
PLATES		
P	58"	34"
BOLTS		
K	8-1" ϕ	8-1 1/8" ϕ

Elevation

Section b-b



Plan



6-ABI-241

PROJECT

THE WORLD TRADE CENTER

TITLE

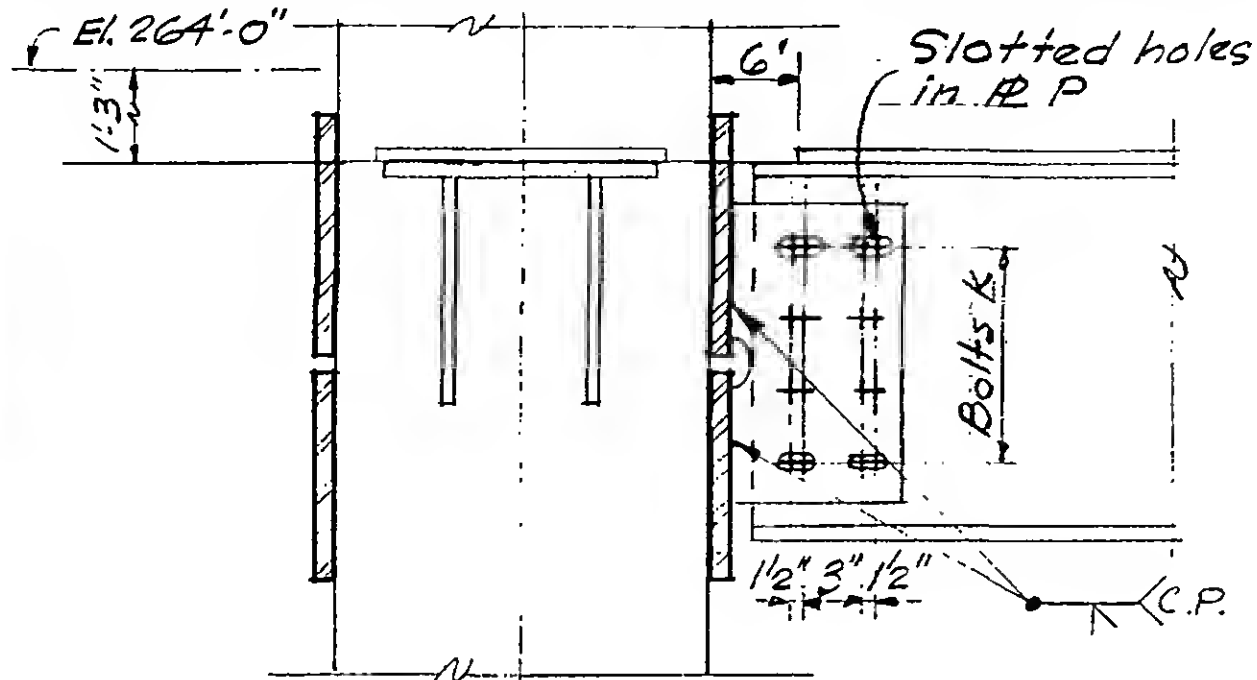
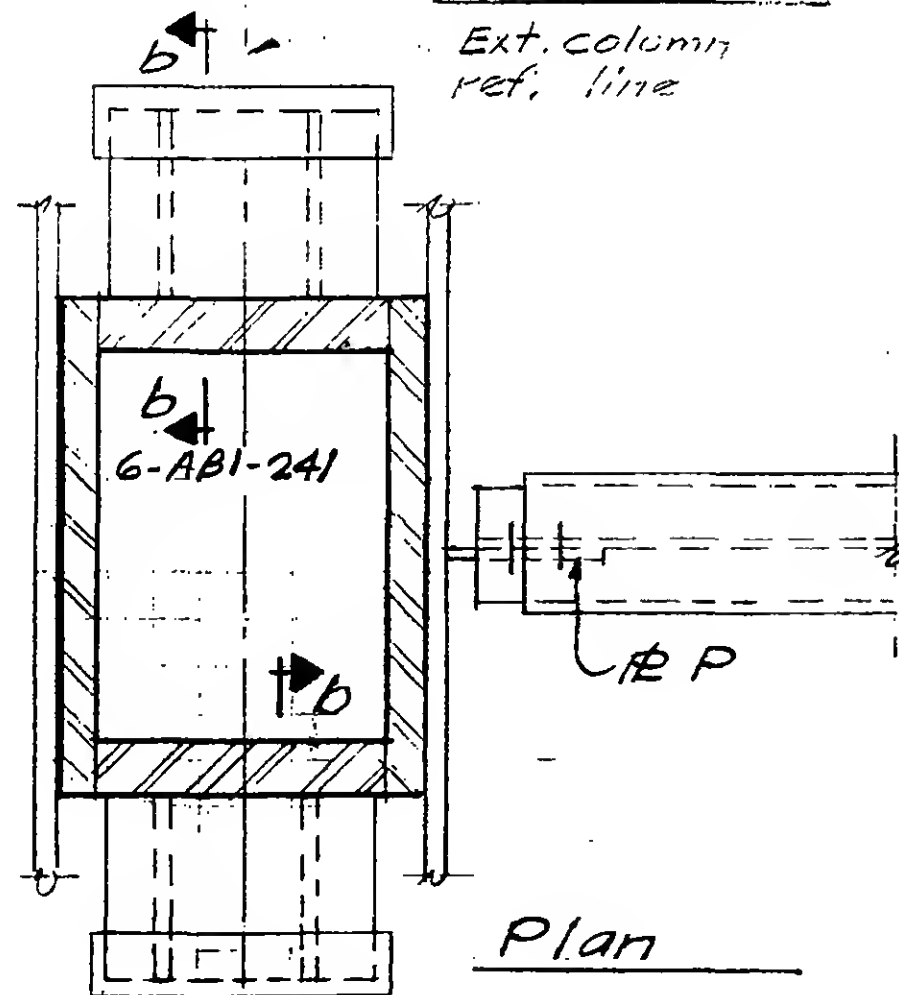
CONNECTION DETAIL 735 A, B, C

DATE

8-14-67

REVISIONS

2-9-68

ElevationExt. column
ref. linePlan

SCHEDULE

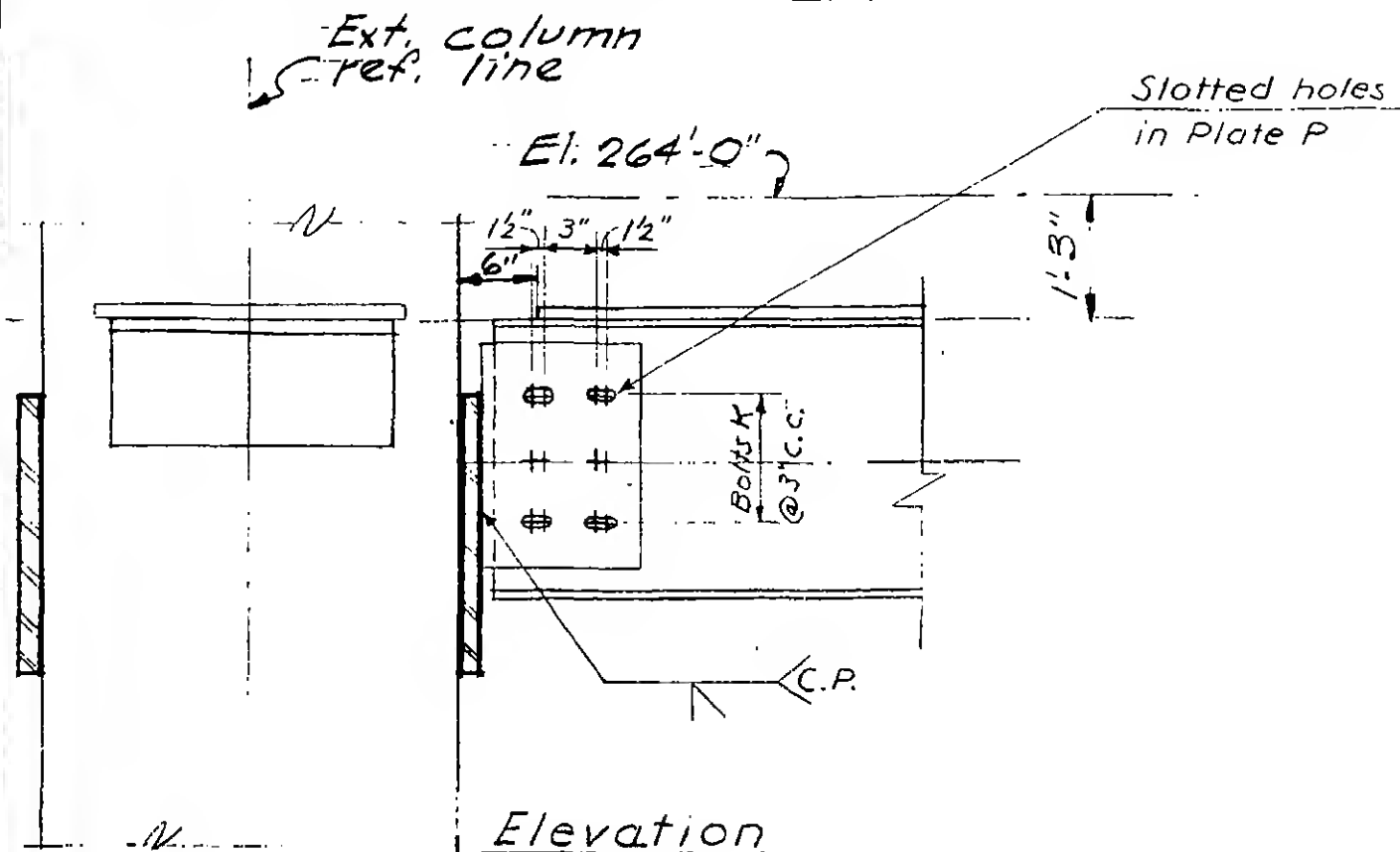
	735 A	735 B	735 C
PLATES			
P	58"	34"	78"
BOLTS			
K	8-1"φ	8-1 1/8"φ	10-1"φ



6-ABI. 242

REVISIONS

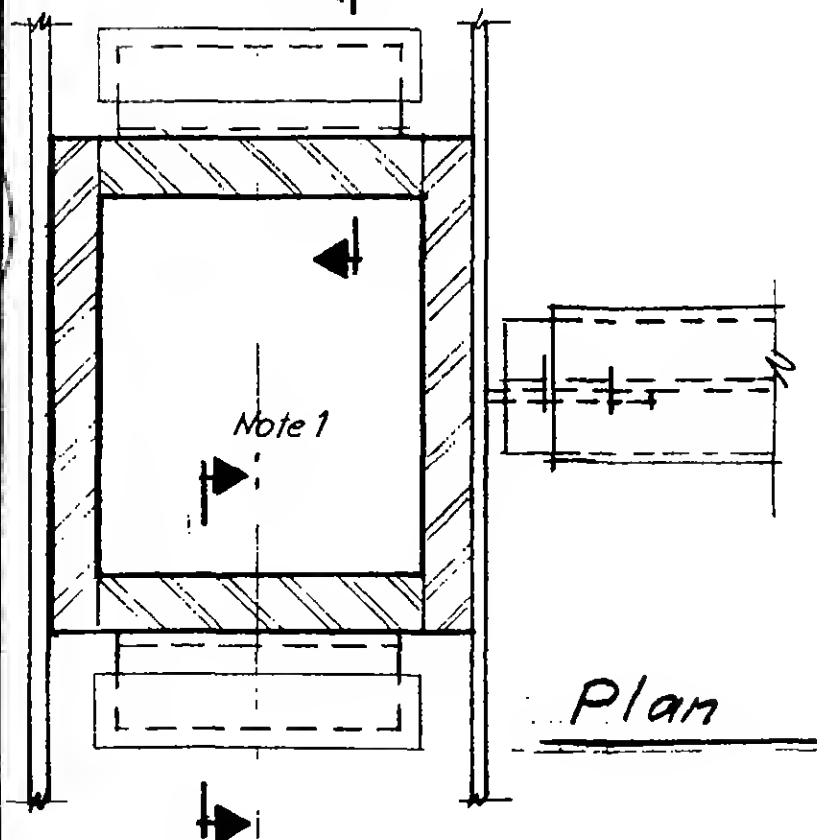
2-9-68



SCHEDULE

PLATES	736	736 B&C	736 D
P	3/4"	3/4"	3/4"
BOLTS			
K	6-1"φ	10-1/8"φ	8-1"φ

Note 1



Note 1: Section a-a (1-AB3-1) where
no bracing member "6"
Section b-b (1-AB3-2) at
bracing members "6".



6-AB1-243

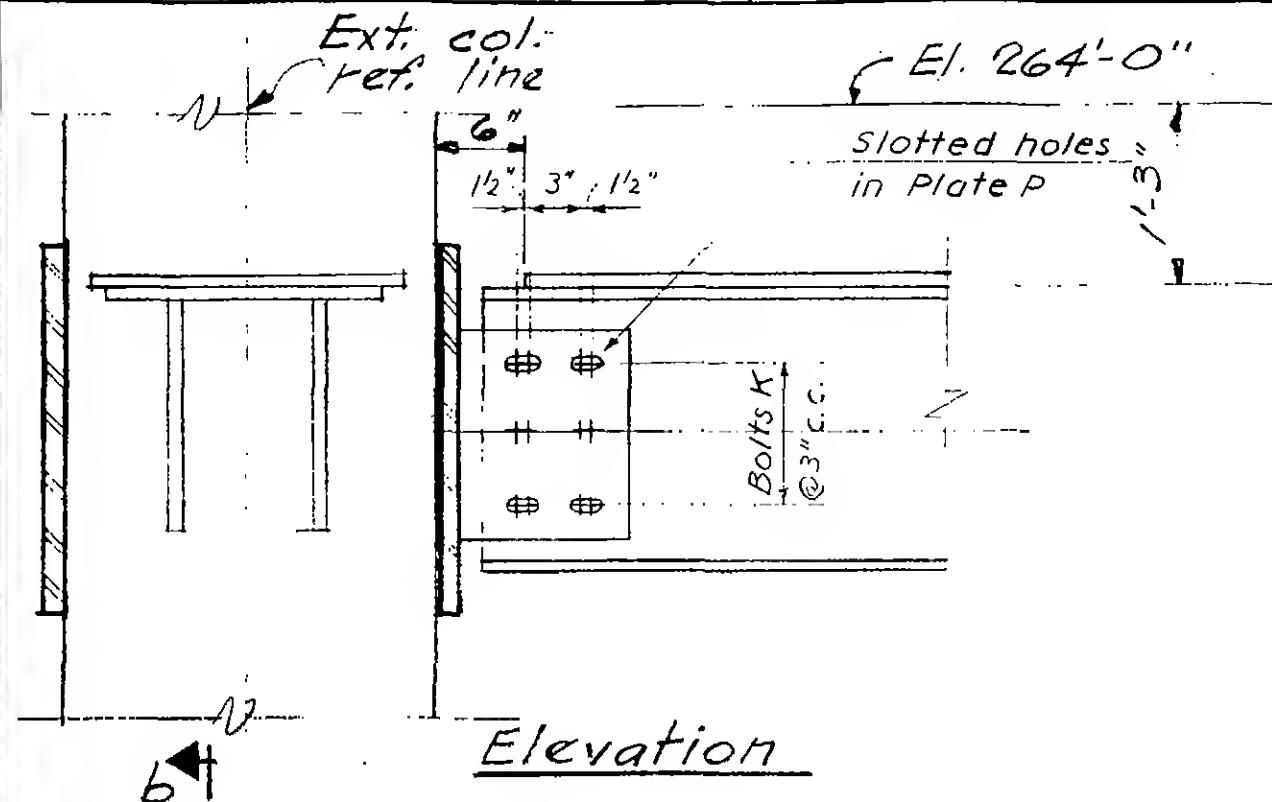
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 737, 737A

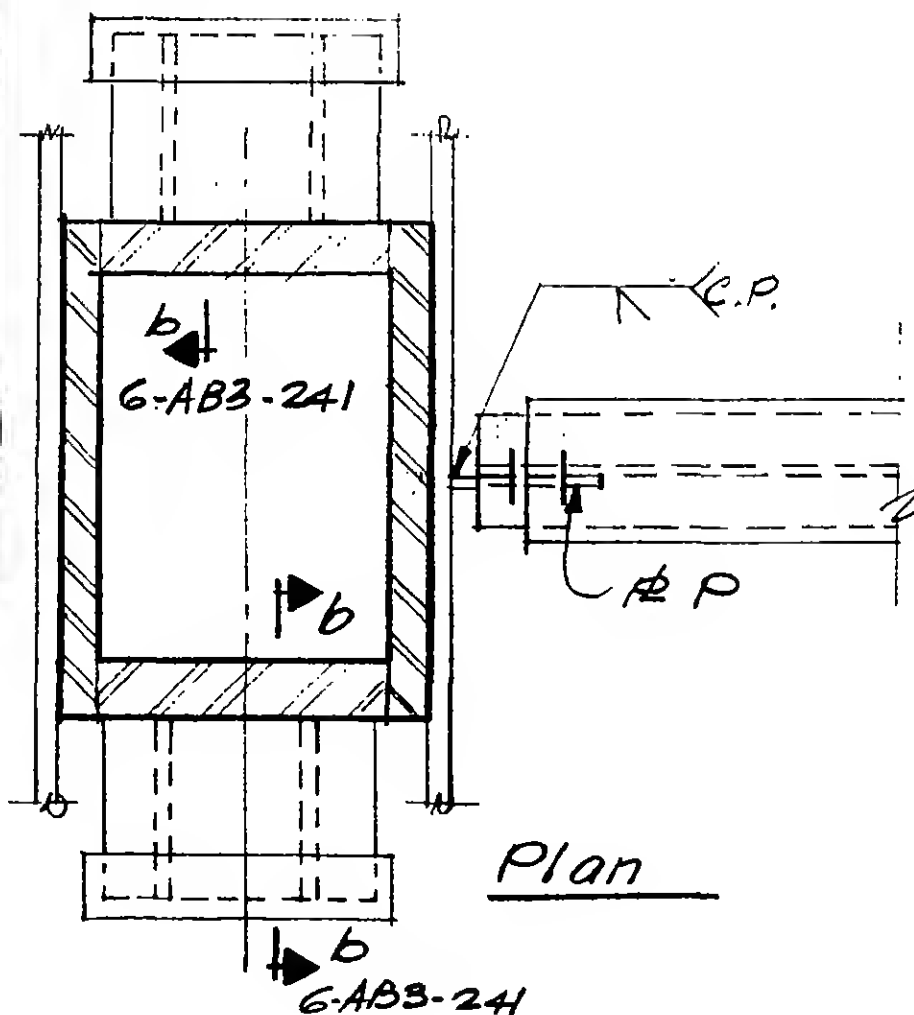
DATE 8-14-67

REVISIONS

7-17-68



SCHEDULE		
	737	737A
PLATES		
P	58"	58"
BOLTS		
K	6-7/8"φ	6-1"φ



6-AB1-244

PROJECT

THE WORLD TRADE CENTER

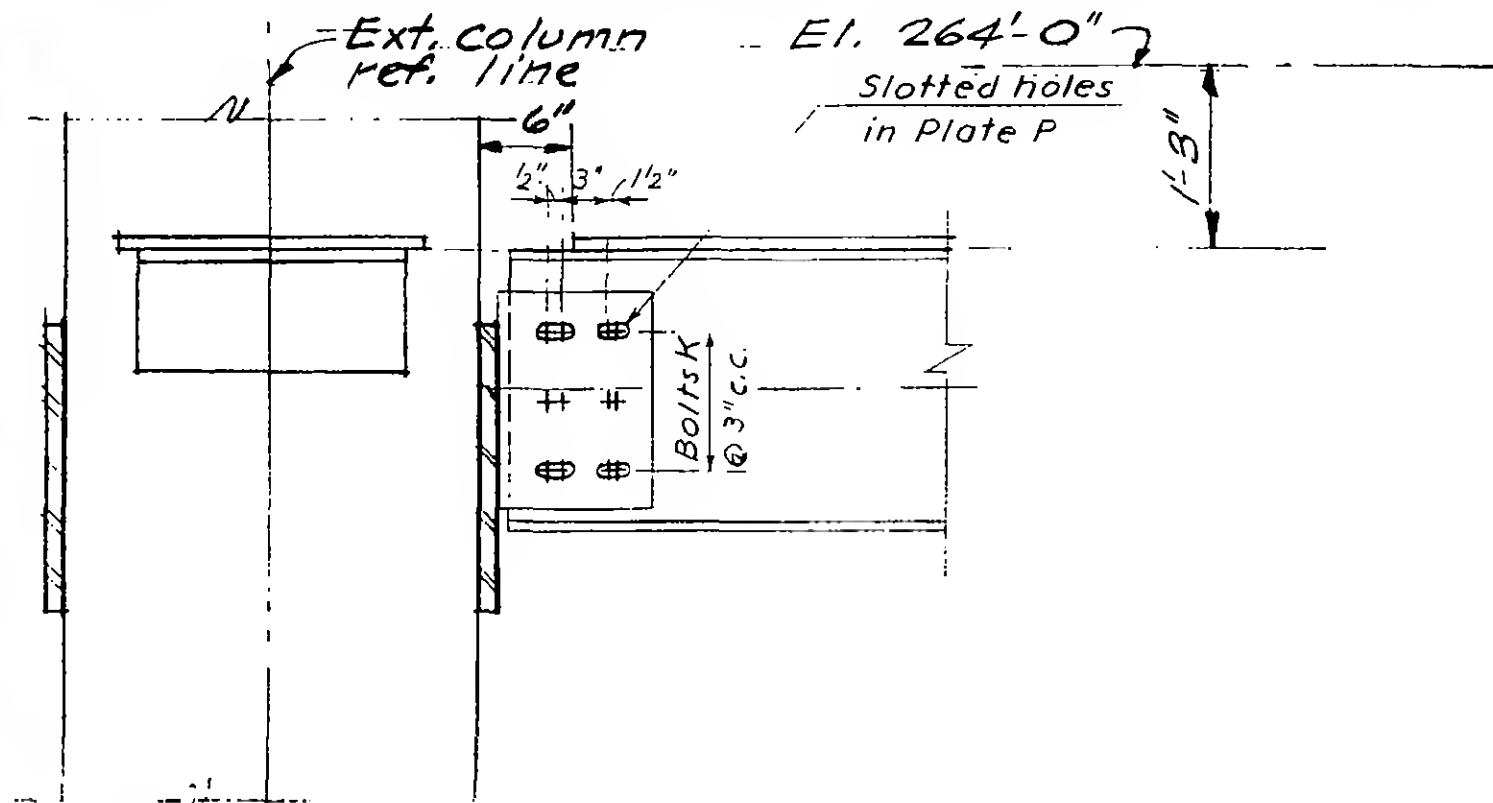
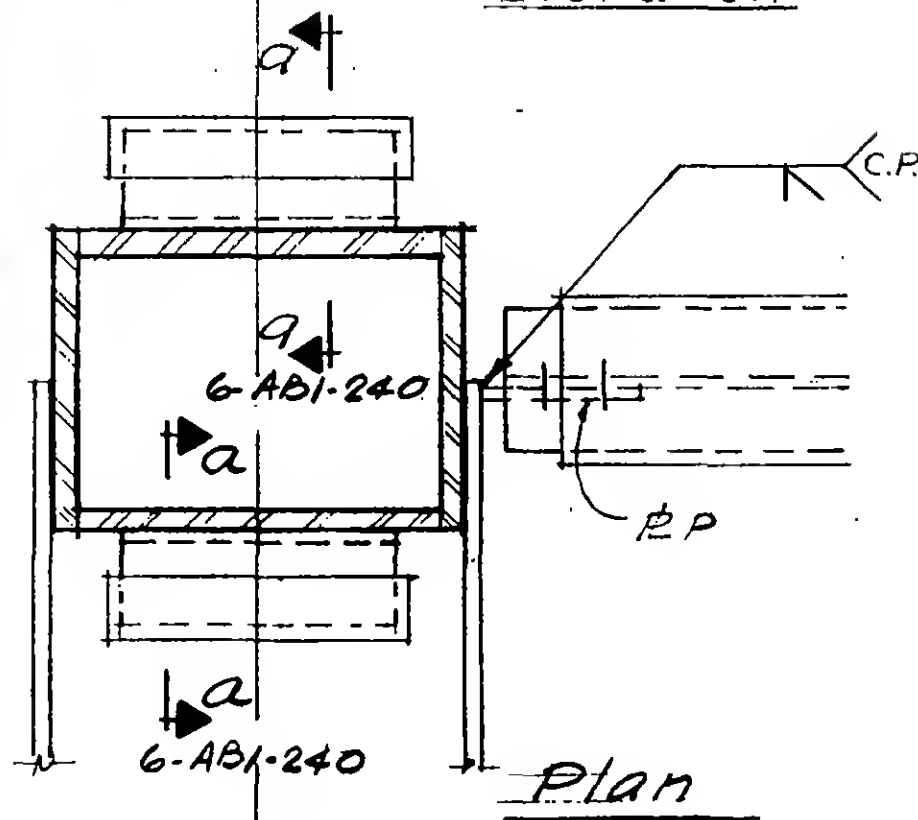
TITLE

CONNECTION DETAIL 738

DATE

8-14-67

REVISIONS

ElevationPlan

SCHEDULE

PLATES	
P	3/4"
BOLTS	
K	6 - 1"φ



6-AB1-245

PROJECT

THE WORLD TRADE CENTER

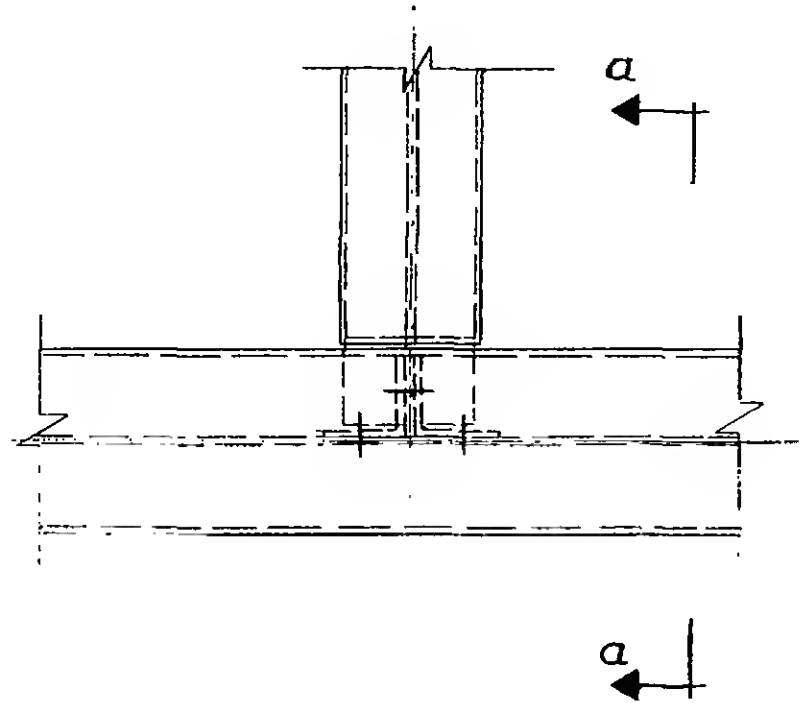
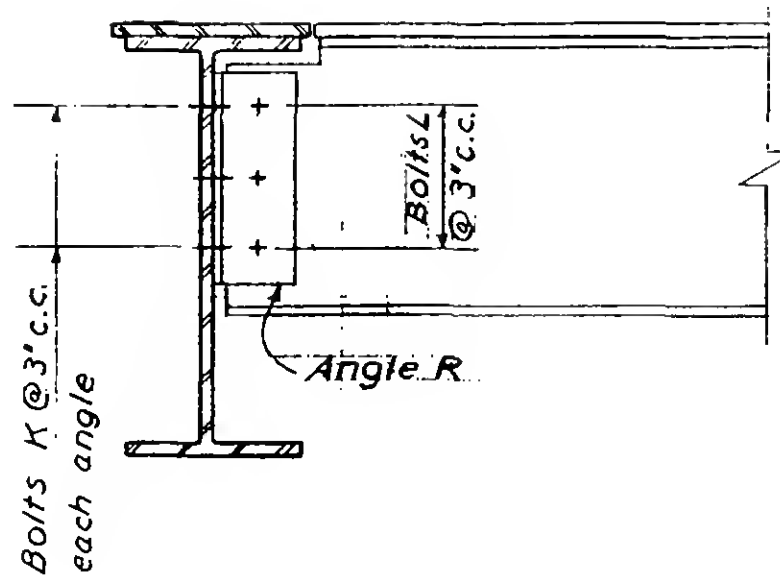
TITLE

CONNECTION DETAIL 739

DATE

8-14-67

REVISIONS

PlanSection a-a

SCHEDULE

ANGLES	
R	2-4x3 1/2 x 7/16 x 0'-8 1/2"
BOLTS	
K	3-1" ϕ
L	3-1" ϕ

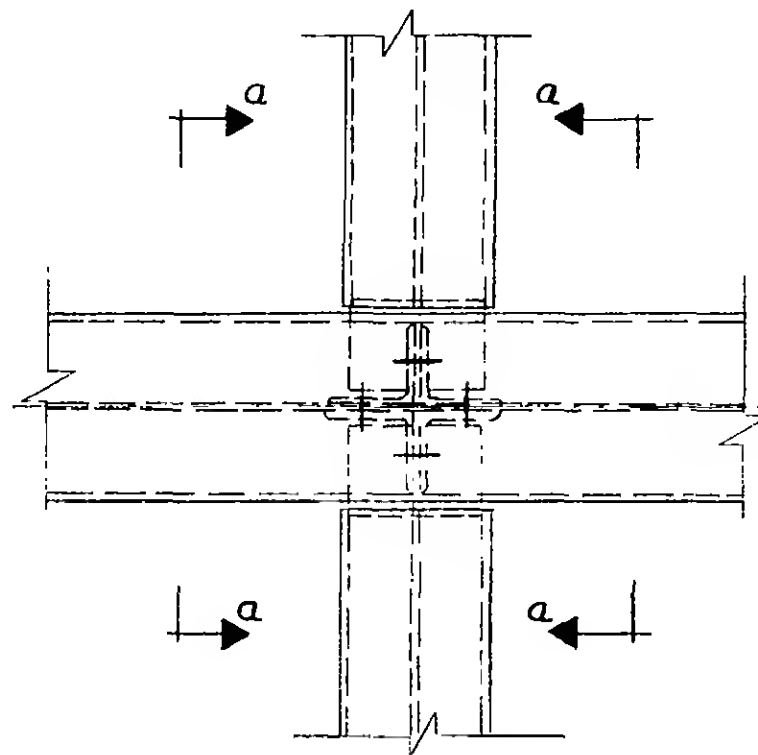


PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 740

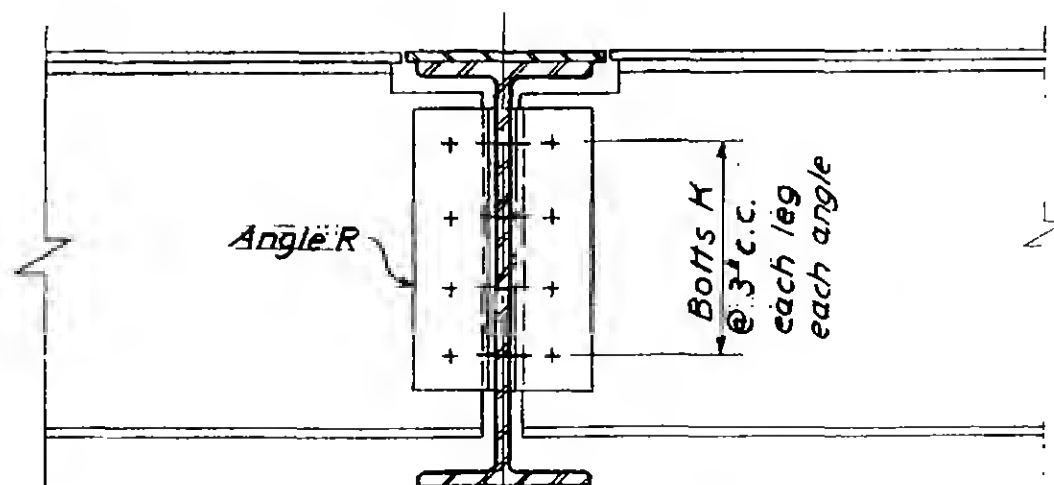
DATE 8-14-67

REVISIONS

Plan

SCHEDULE

ANGLES	
R	4-4x3 1/2 x 3/8 x 0'-11 1/2"
BOLTS	
K	4 - 7/8" ϕ

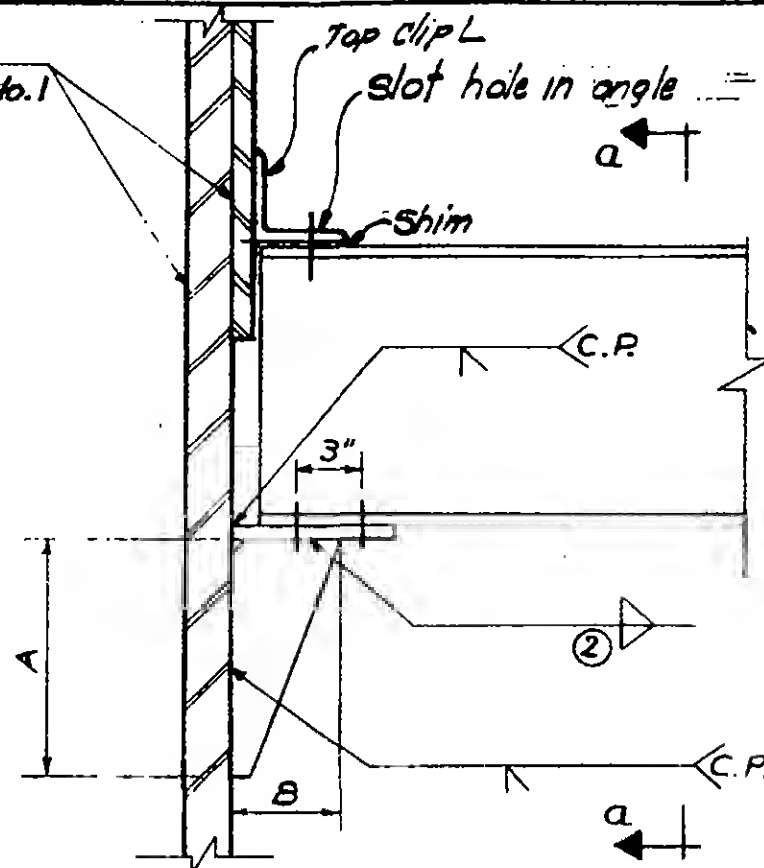
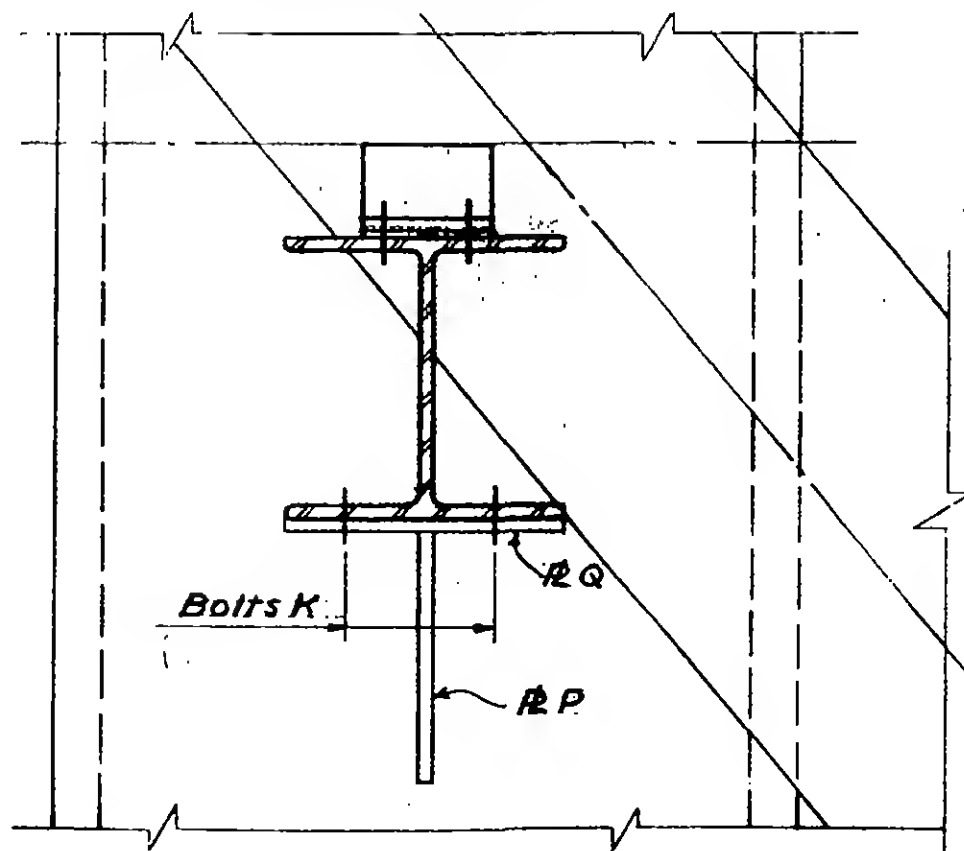
Section a-a

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 750 A,B

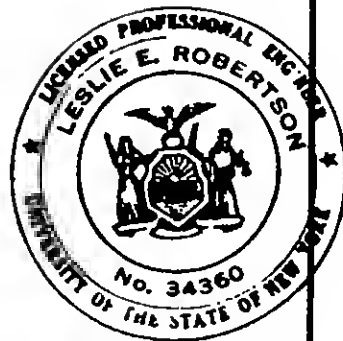
DATE 8-14-67

REVISIONS

Col & bracing
see Dwg. Book No. 1ElevationSection a-a

SCHEDULE

	750 A	750 B
PLATES		
P	$\frac{1}{2}$ "	$\frac{1}{2}$ "
Q	$\frac{1}{2}$ "	$\frac{1}{2}$ "
DIMENSIONS		
A	0'-10"	15'-0"
B	0'-6"	0'-6"
BOLTS		
K	4 - $\frac{3}{4}$ " ϕ	4 - $\frac{3}{8}$ " ϕ
WELDS		
②	$\frac{5}{16}$	$\frac{5}{16}$



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

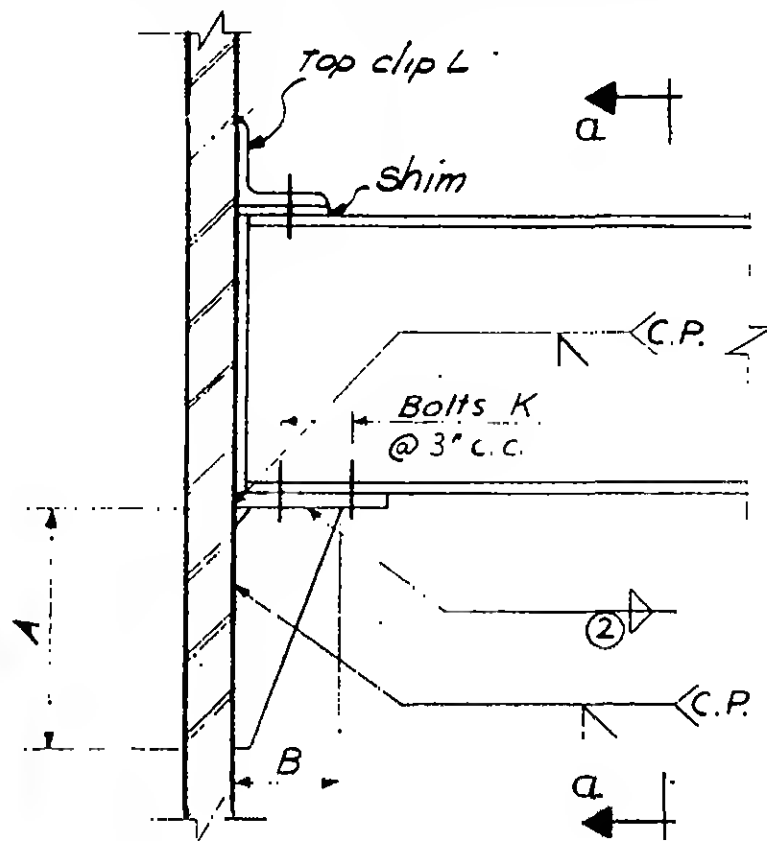
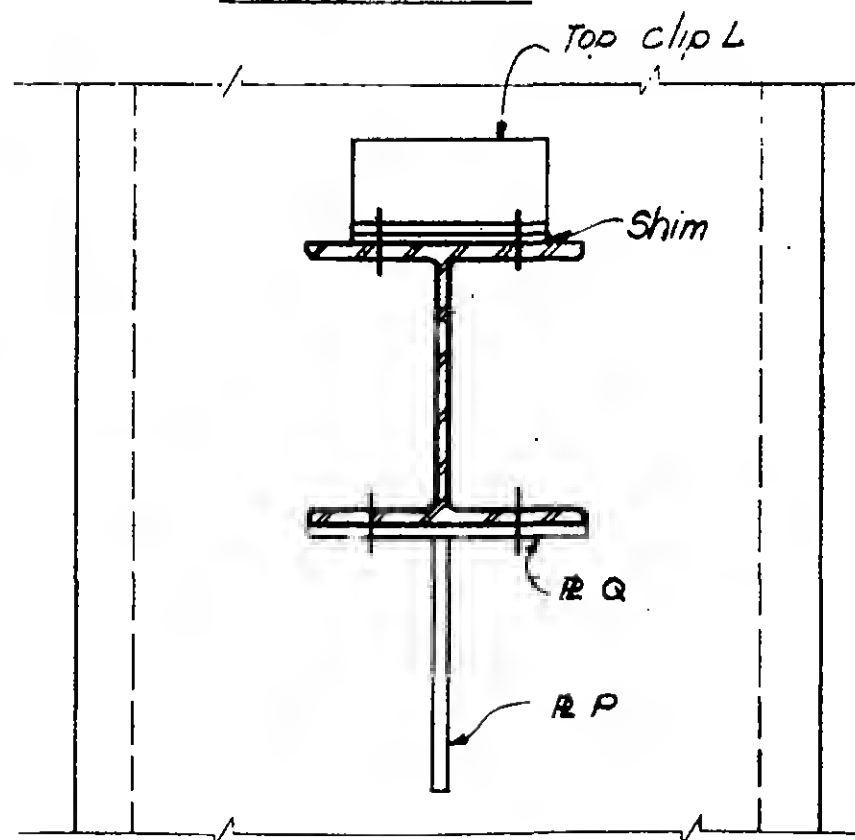
CONNECTION DETAIL 751 A, B, C, D, E, F

DATE

8-14-67

REVISIONS

2-9-68

ElevationSection a-a

See 1-AB3-249.1 for Plan 751 D

SCHEDULE

	751 A	751 B, D, F	751 C, E
PLATES			
P	1/2"	1/2"	1"
Q	1/2"	1/2"	1"
DIMENSIONS			
A	0'-10"	1'-0"	1'-2"
B	0'-4 1/2"	0'-4 1/2"	0'-6"
BOLTS			
K	4 - 7/8" ϕ	4 - 1 1/8" ϕ	4 - 7/8" ϕ
WELDS			
②	5/16"	5/16"	3/8"



6-ABI-249

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

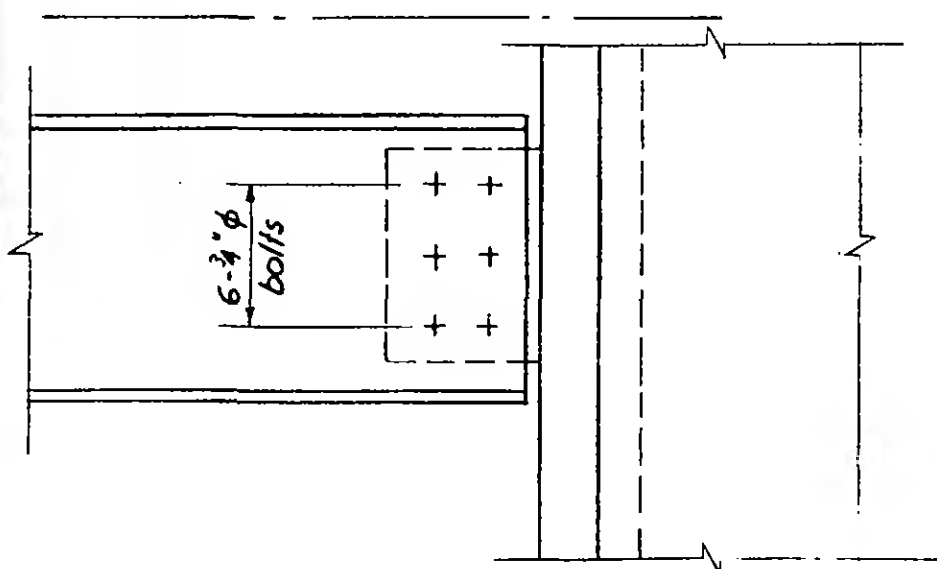
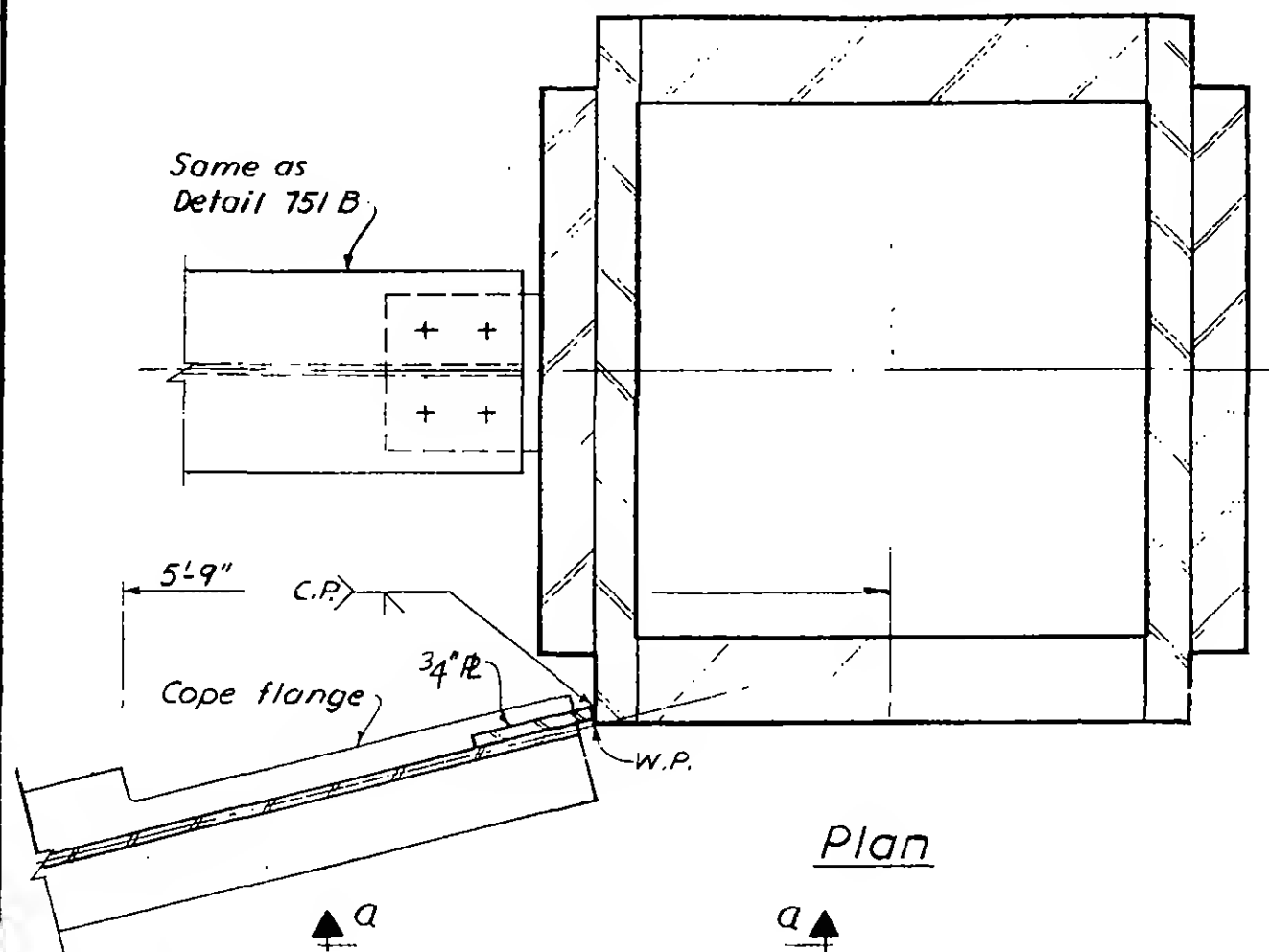
TITLE

CONNECTION DETAIL 751 D

DATE

2-9-68

REVISIONS



6-ABL-249.1

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

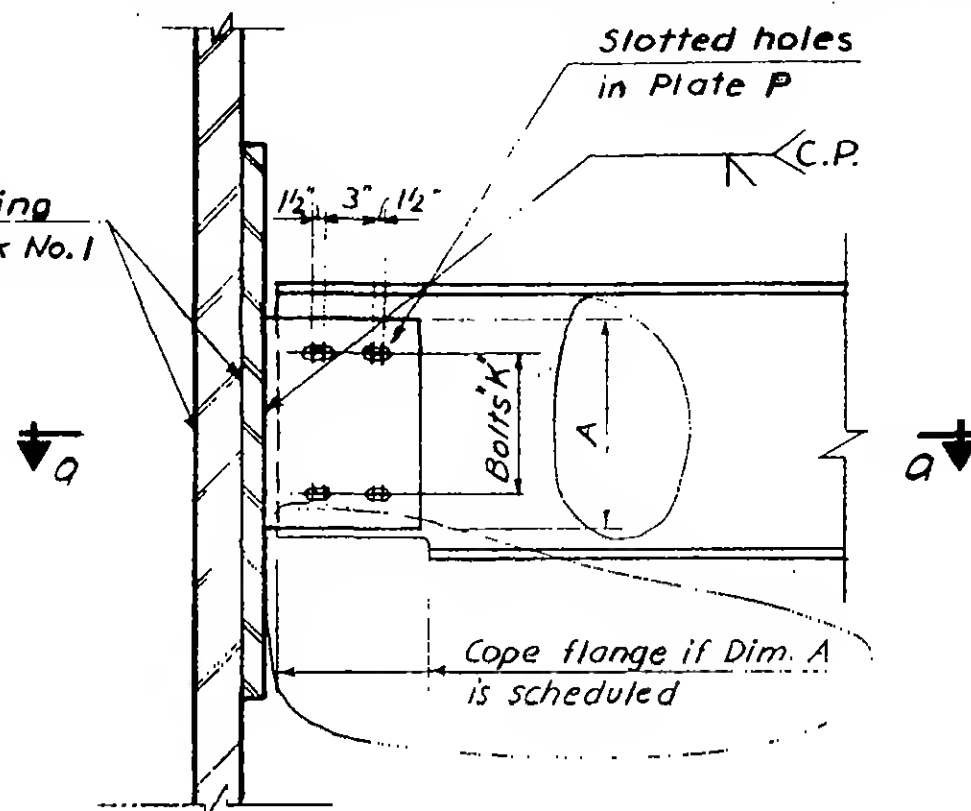
TITLE CONNECTION DETAIL, 752 A+B, 757 A+B, 760 A,B,D-G

DATE 8-14-67

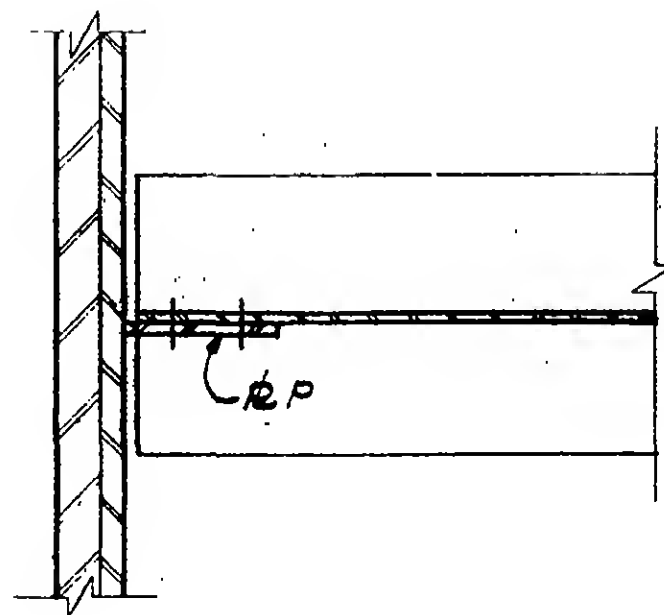
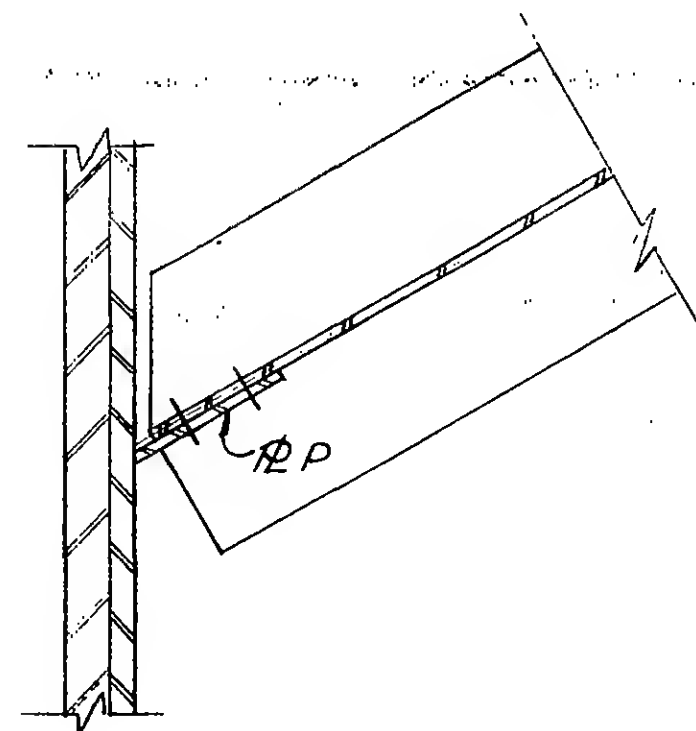
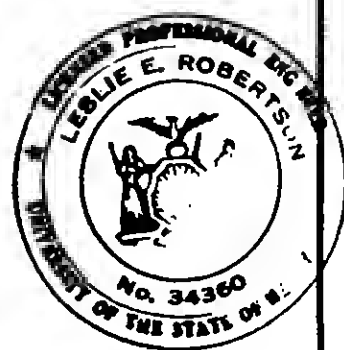
REVISIONS

12-21-67

2-9-68

Col. & bracing
see Dwg. Book No. 1Elevation

SCHEDULE			
	A, E	B, F	D, G
PLATES			
P	3/4"	3/4"	3/4"
DIM. A	—	—	1'-0"
BOLTS			
K	4 - 1" ϕ	6 - 1 1/8" ϕ	6 - 1 1/8" ϕ

Section a-aSection a-a
see plan for location

6-ABI-250

PROJECT

THE WORLD TRADE CENTER

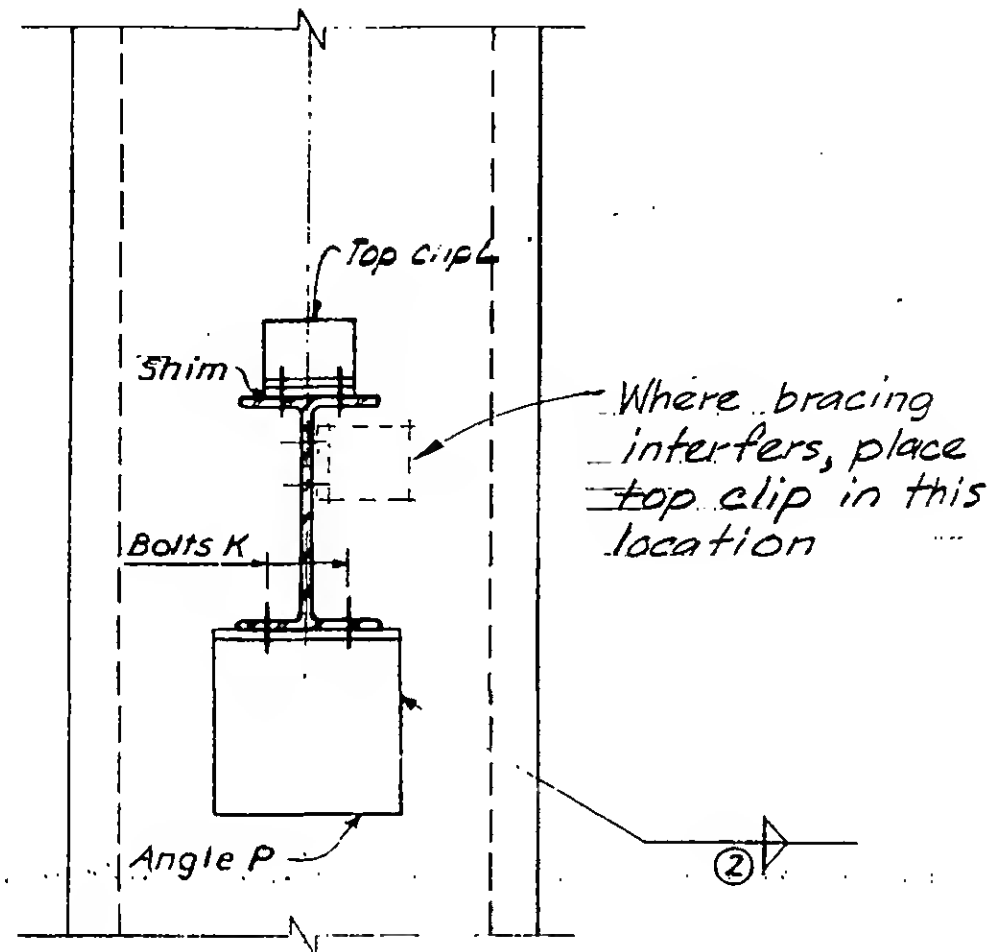
TITLE

CONNECTION DETAIL 753

DATE

8-14-67

REVISIONS

Elevation

SCHEDULE

ANGLES	
P	8x8x $\frac{3}{4}$ x0'-8"
BOLTS	
K	4 - $\frac{3}{4}$ " ϕ
WELDS	
②	58

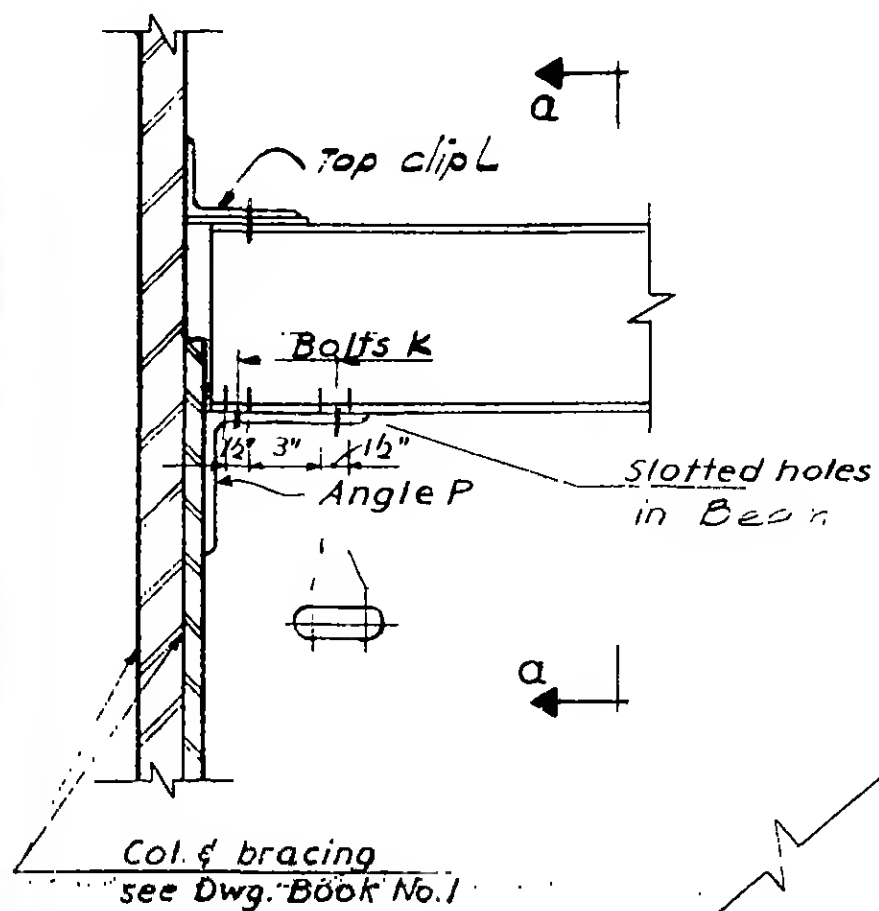


PROJECT THE WORLD TRADE CENTER

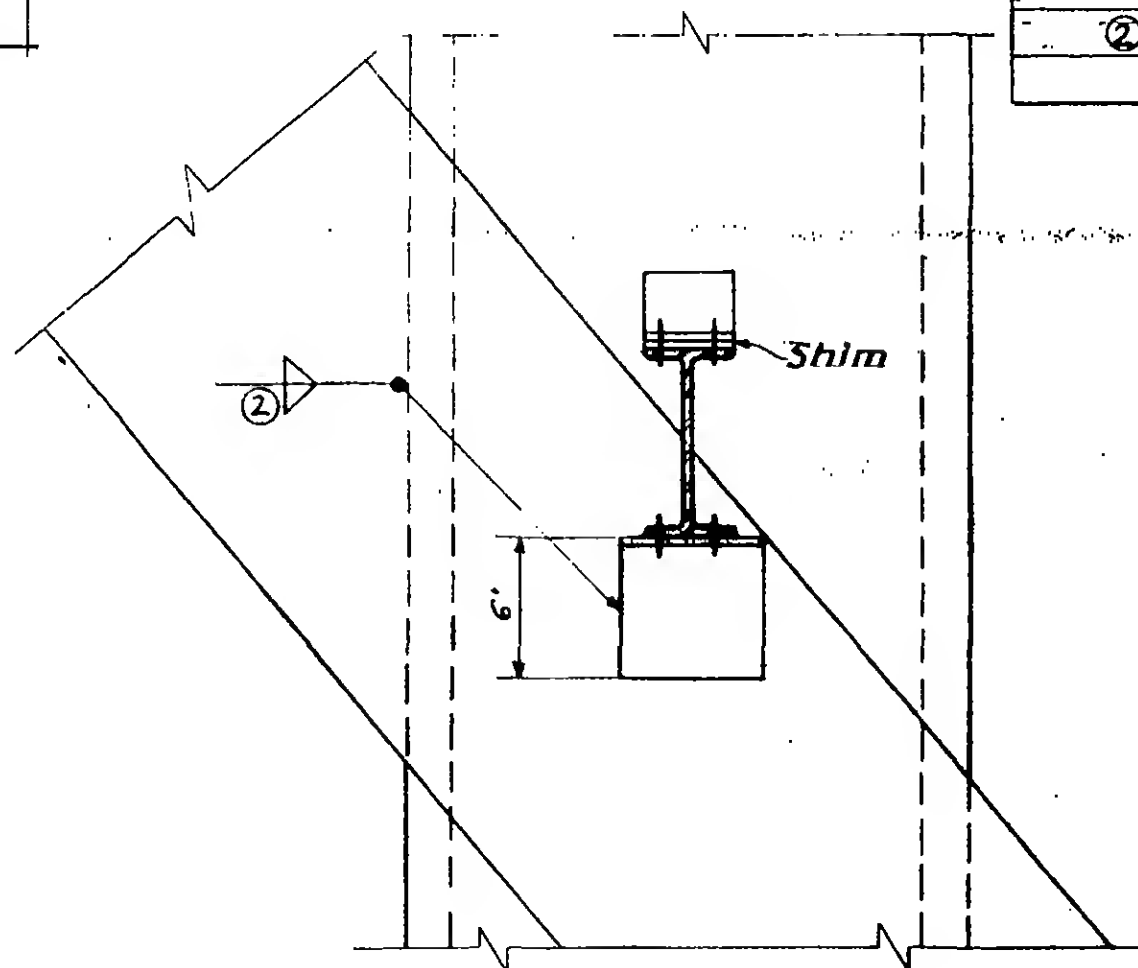
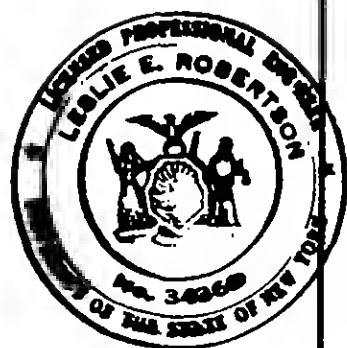
TITLE CONNECTION DETAIL T54

DATE 8-14-62

REVISIONS

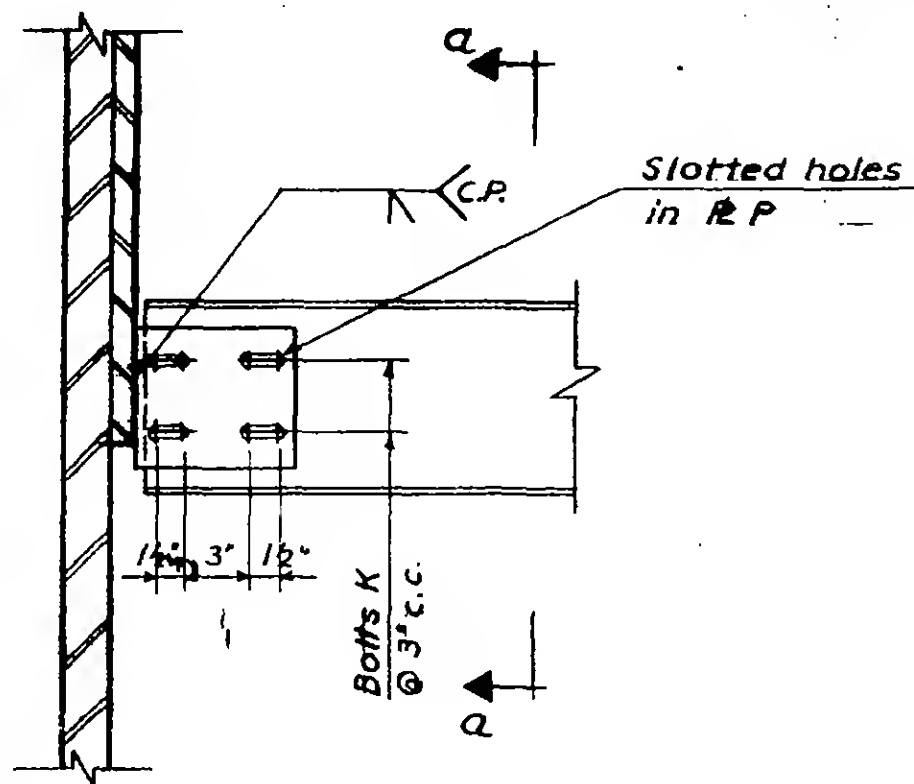
Elevation

SCHEDULE	
ANGLES	
P	8x6x1/2
BOLTS	
K	4 - 3/4"
WELDS	
②	5/8"

Section a-a

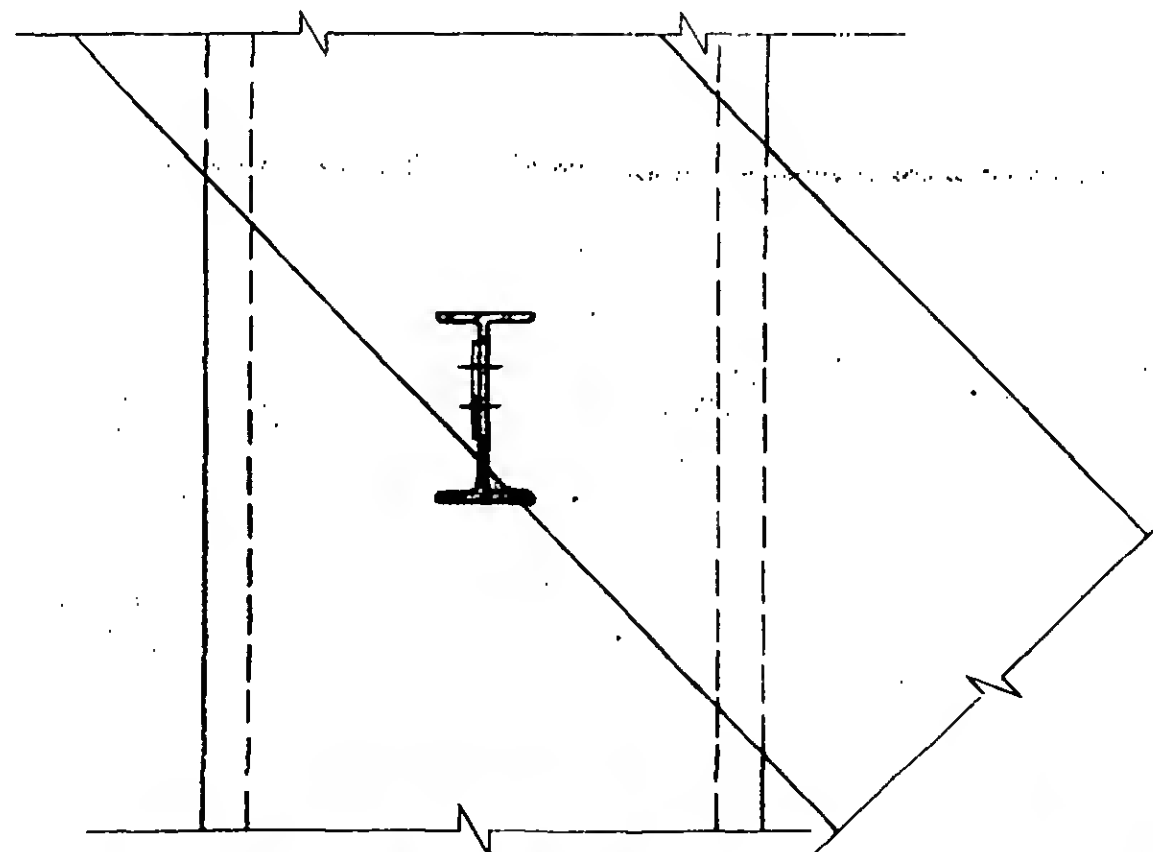
6-ABI-252

REVISIONS



Elevation

SCHEDULE	
PLATES	
P	7/8"
BOLTS	
K	4 - 1" ϕ



Section a-a

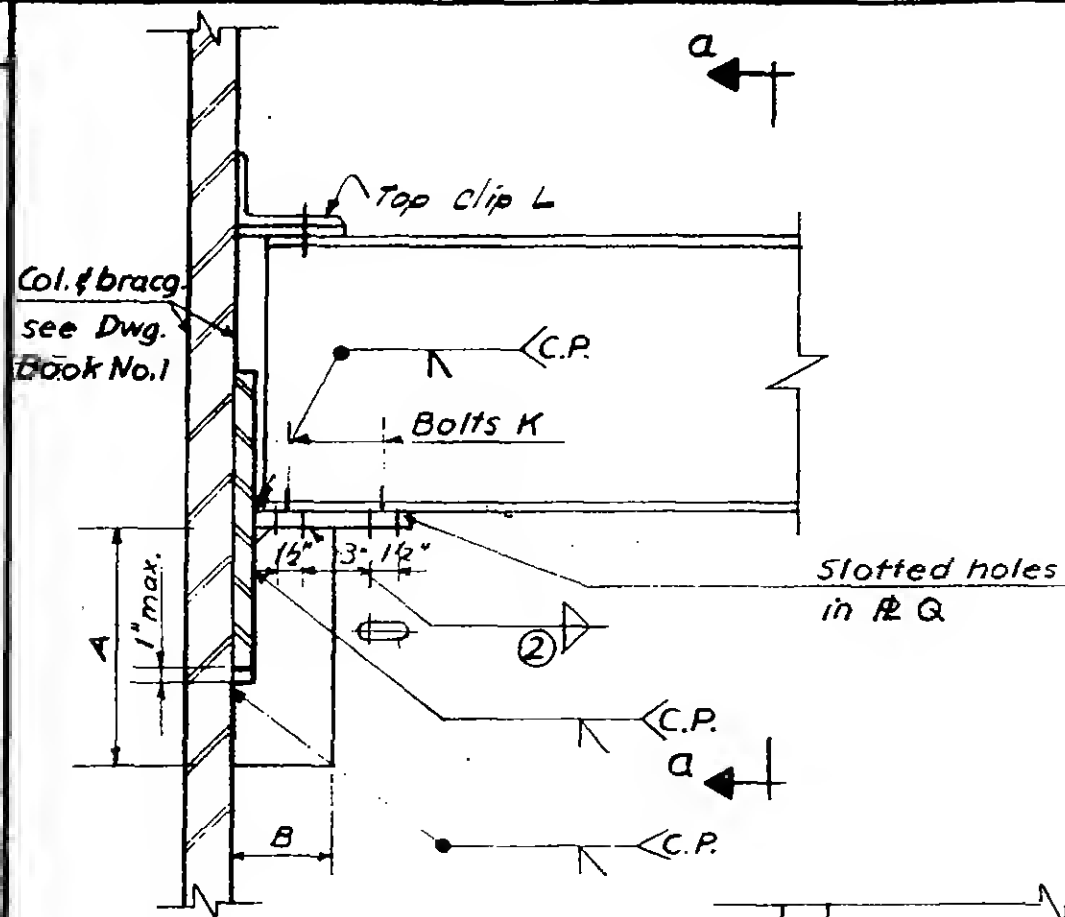


PROJECT THE WORLD TRADE CENTER

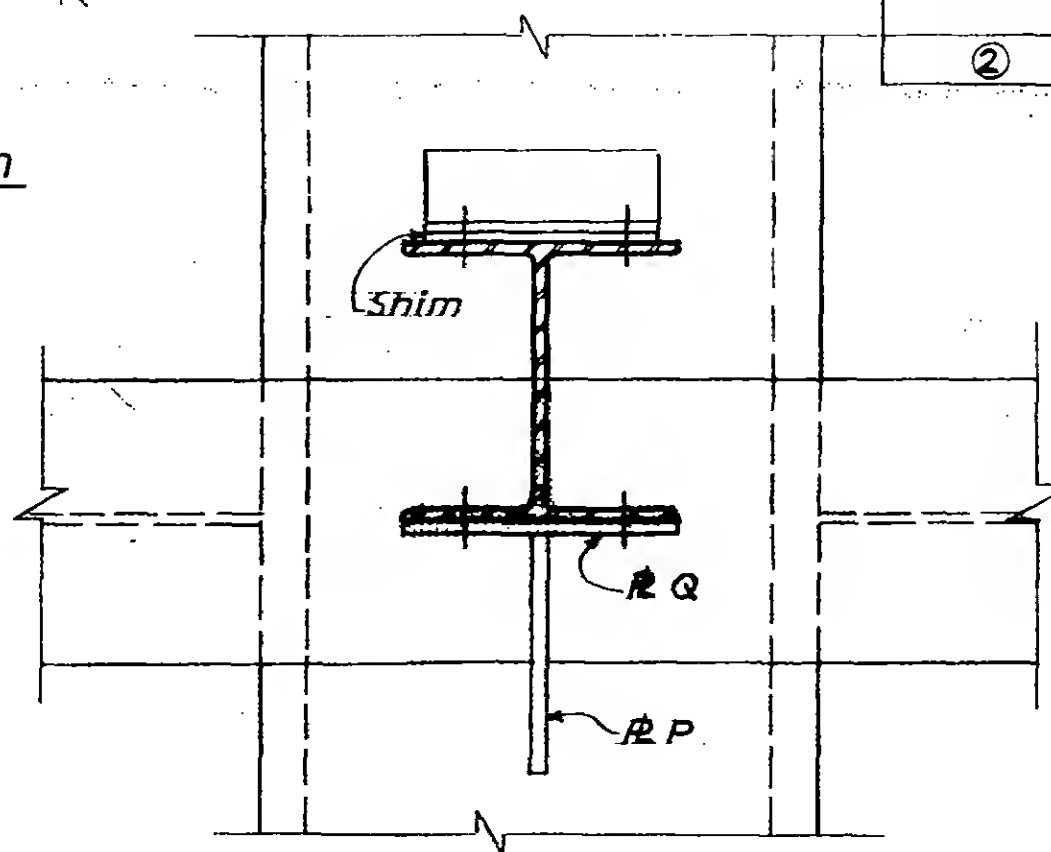
TITLE CONNECTION DETAIL 756 A,B

DATE 8-14-67

REVISIONS

Elevation

SCHEDULE		
	756 A	756 B
PLATES		
P	1/2"	5/8"
Q	1/2"	5/8"
DIMENSIONS		
A	0'-10"	1'-1"
B	0'-5 1/2"	0'-5 1/2"
BOLTS		
K	4 - 3/4" ϕ	4 - 1 1/8" ϕ
WELDS		
②	5/16	5/16

Section a-a

PROJECT

THE WORLD TRADE CENTER

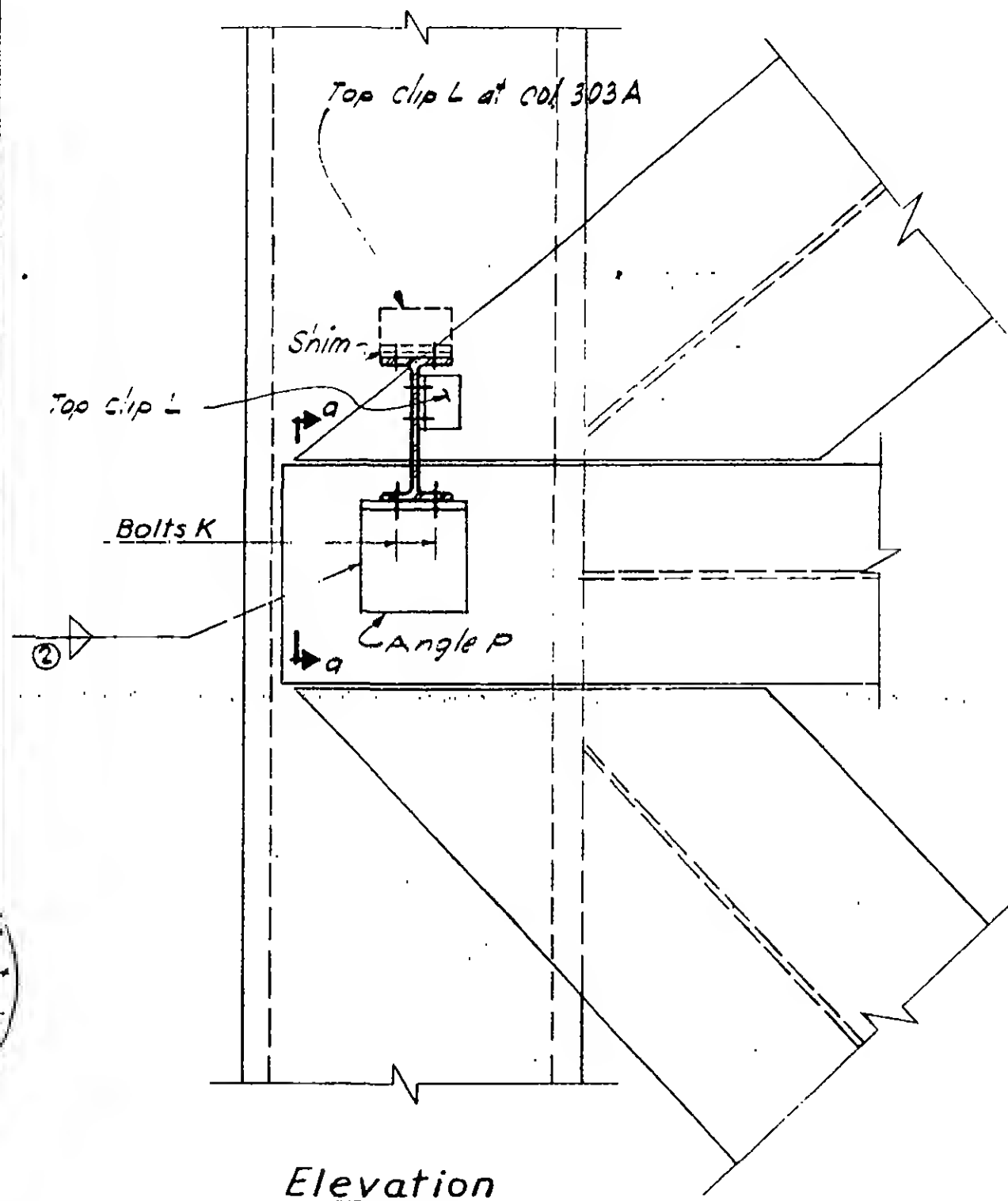
TITLE

CONNECTION DETAIL - 758

DATE

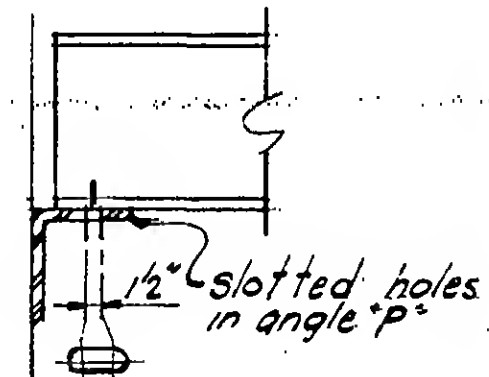
8-14-67

REVISIONS



SCHEDULE

ANGLES	
P	6x4 x 3/4 x 0'-6"
BOLTS	
K	2 - 3/4 φ
WELDS	
②	5/8



PROJECT

THE WORLD TRADE CENTER

TITLE

CONNECTION DETAIL 759, 765 & 769

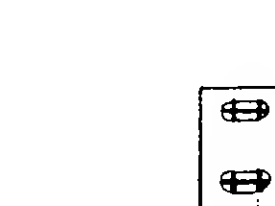
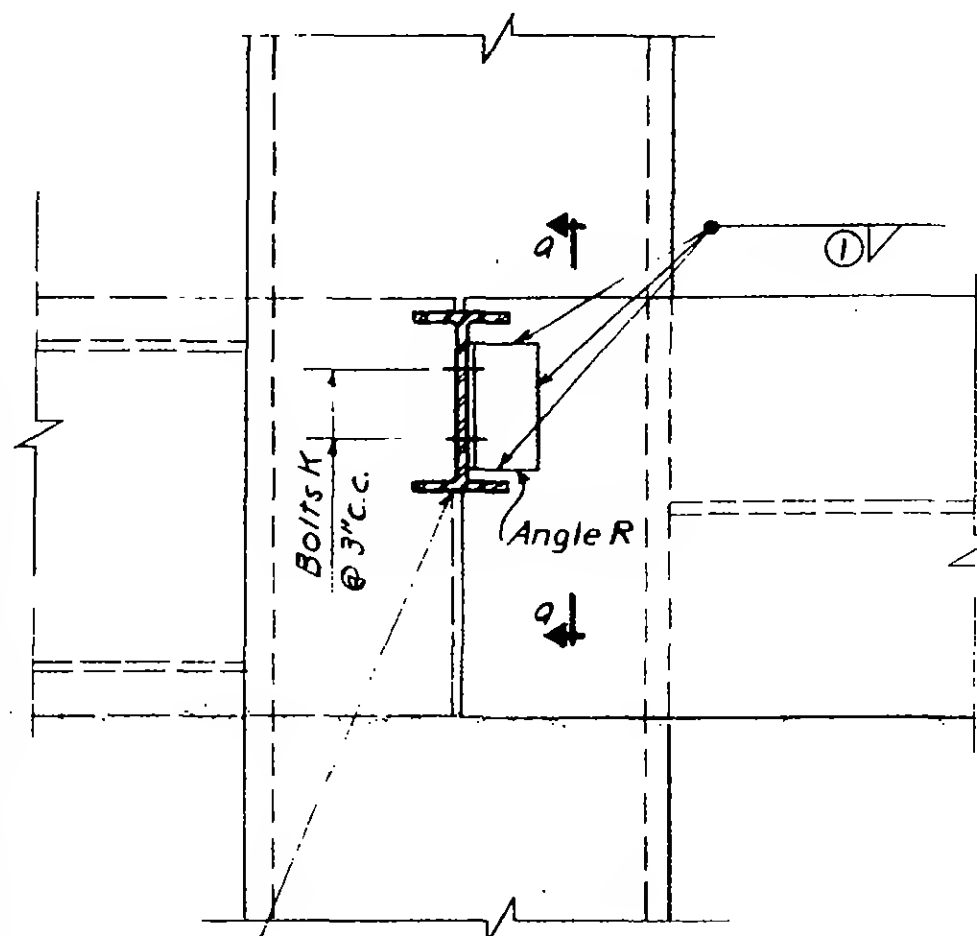
DATE

8-14-67

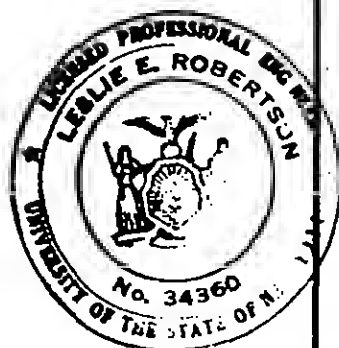
REVISIONS

SCHEDULE

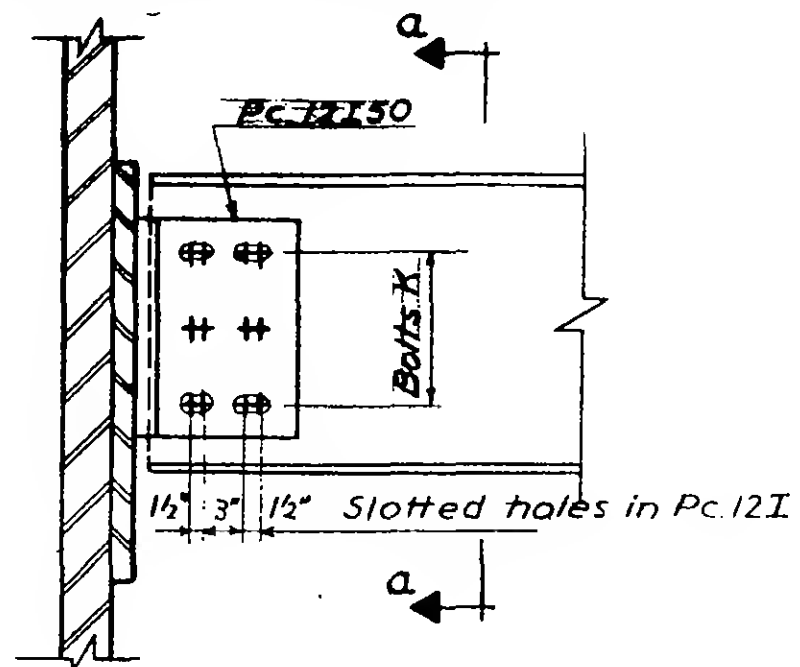
ANGLE	
R	3 x 3 1/2 x 3/8 = 0'-6"
BOLTS	
K	2 - 1" ϕ
WELDS	
①	5/16

Slotted holes
in L R RSection a-a

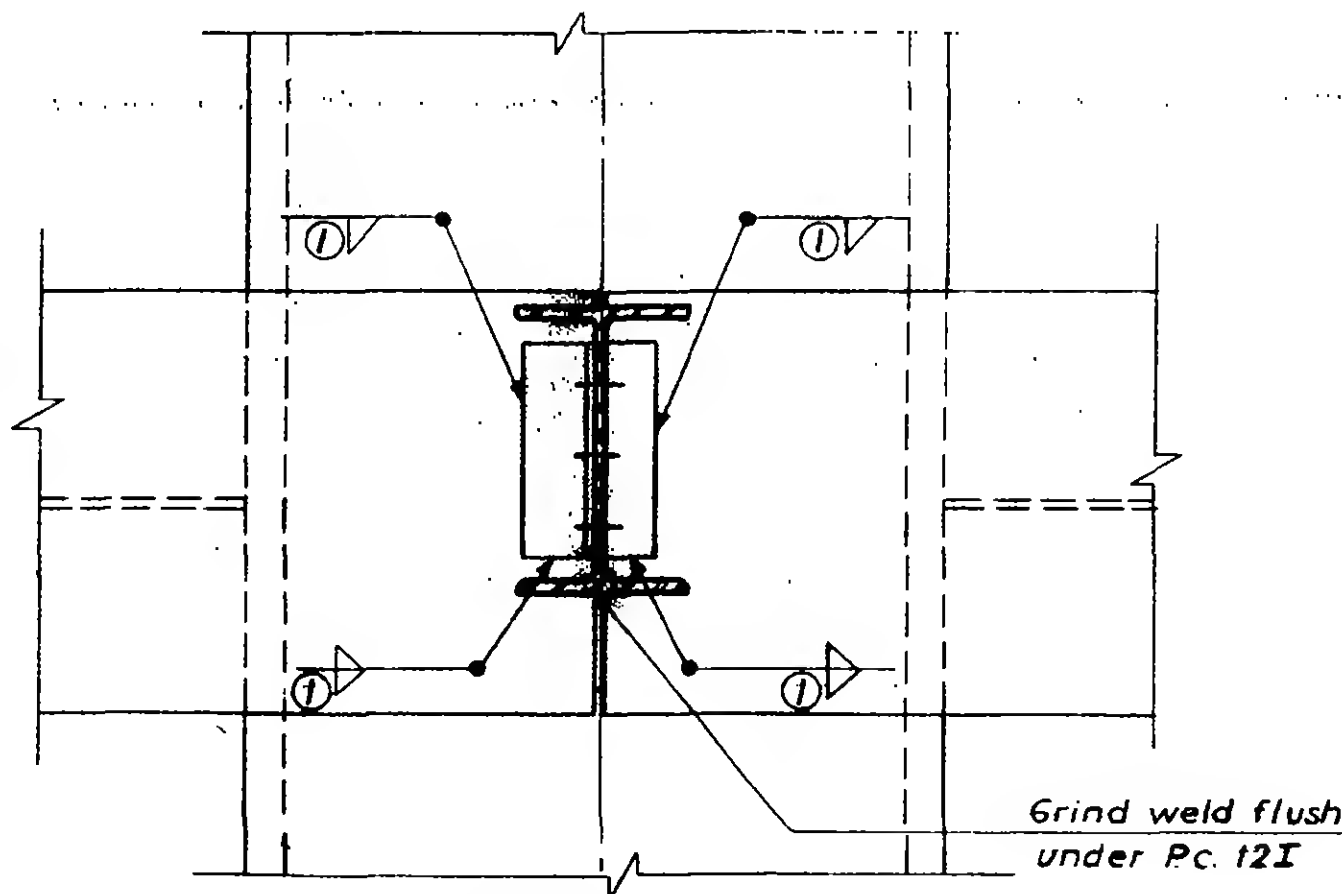
Grind weld flush
under angle
(for Detail 769 only)

Elevation

REVISIONS

Elevation

SCHEDULE		
	761 A	761 B
BOLTS		
K	4 - 1" ϕ	6 - 1 1/8" ϕ
WELDS		
①	5/16	3/8

Section a-a

PROJECT

THE WORLD TRADE CENTER

TITLE

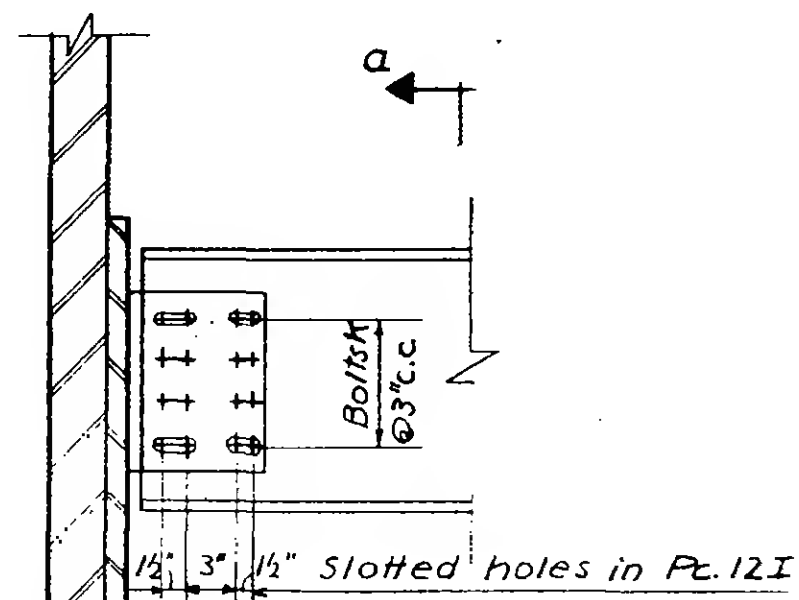
CONNECTION DETAIL 766 A & B

DATE

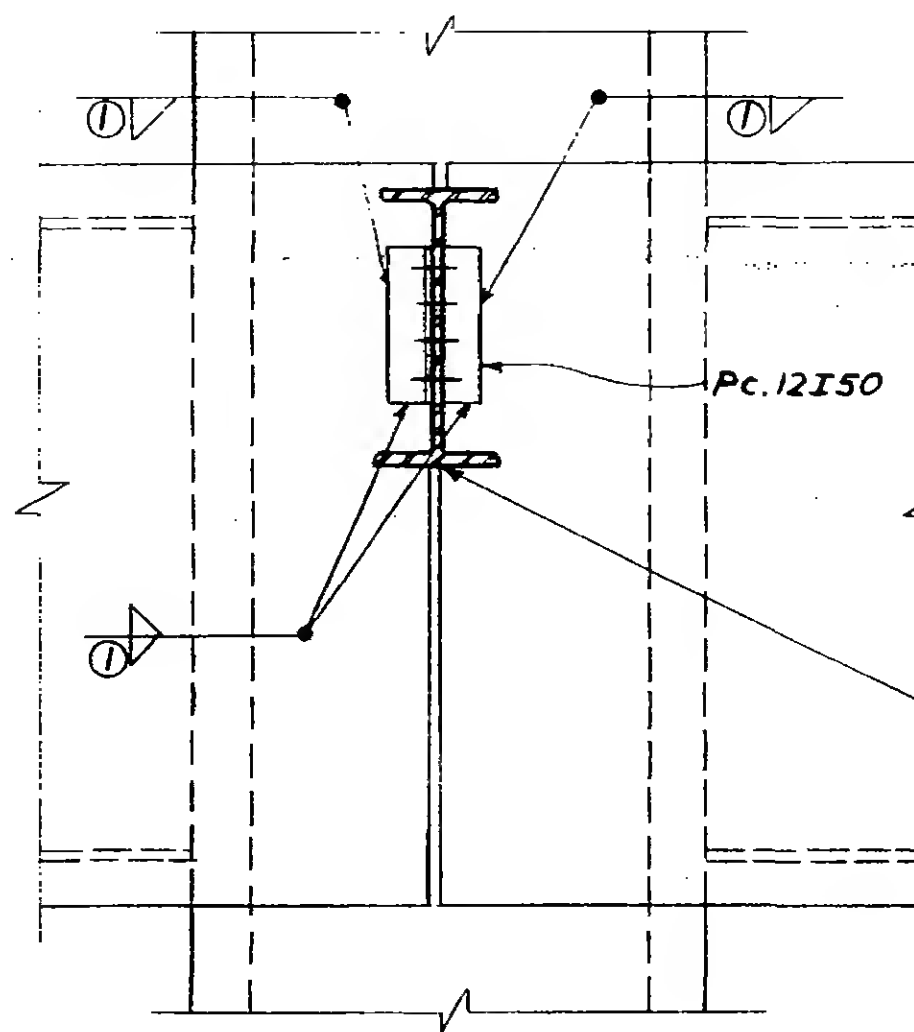
8-14-67

REVISIONS

SCHEDULE		
	766 A	766 B
BOLTS		
K	8 - 7/8" ϕ	8 - 1" ϕ
WELDS		
①	5/16	5/16



Elevation



Section a-a

Grind weld flush
under Pc. 12I

6-ABI-2

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PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 767 A-E 768 A,C,D, 770 A

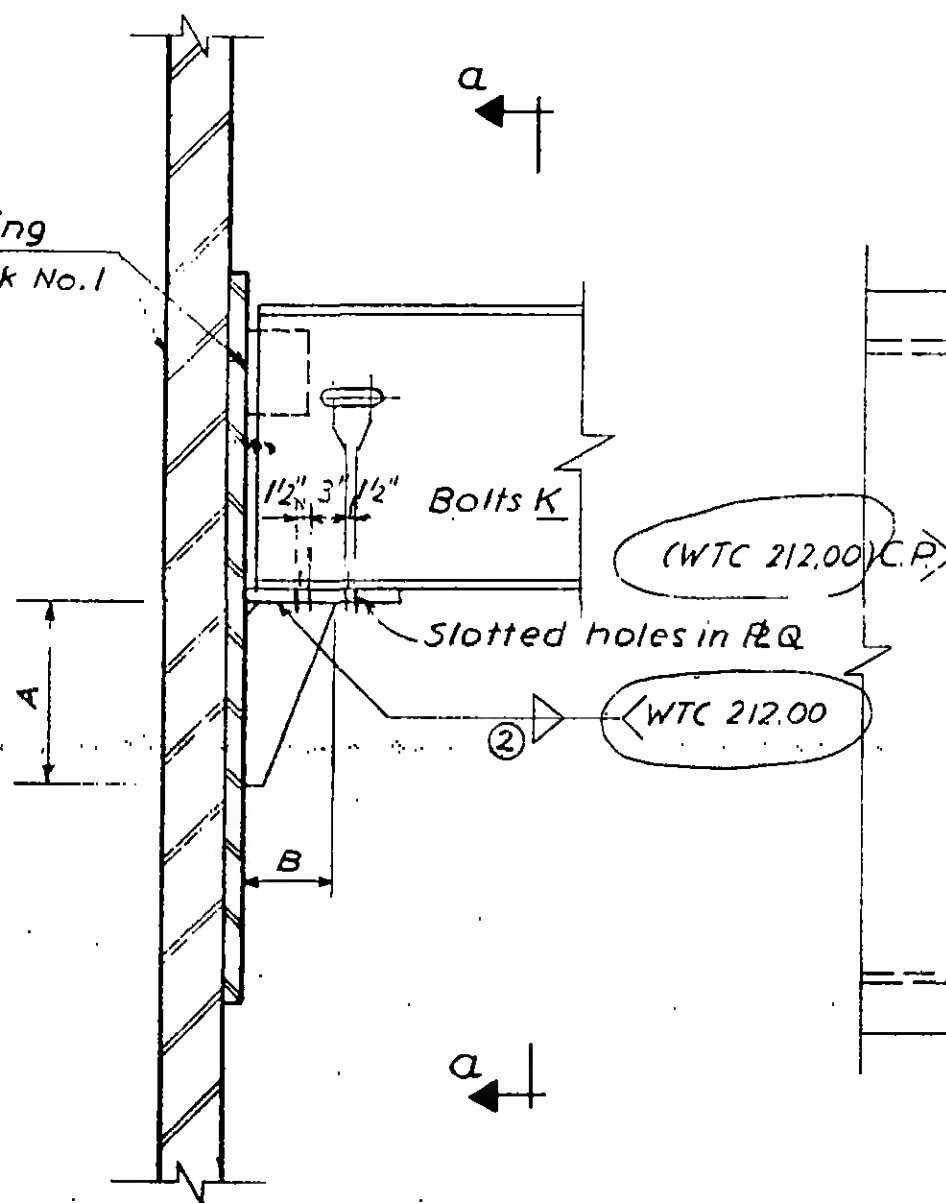
DATE 8-14-67

REVISIONS

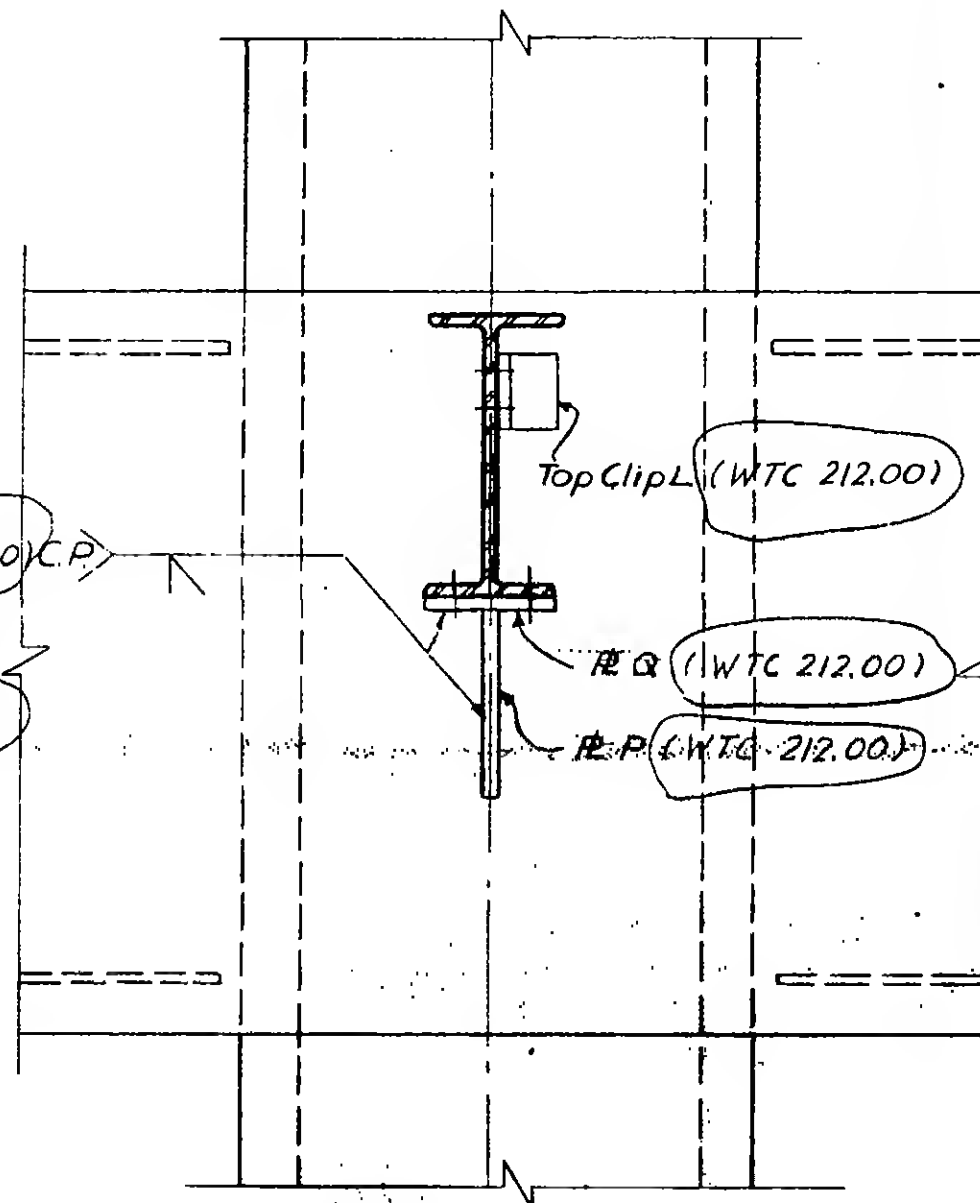
2-9-68

3-11-68

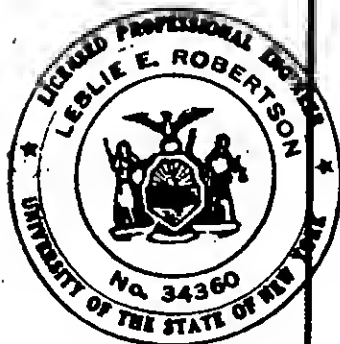
Col. & bracing
see Dwg. Book No. 1



Elevation



Section a-a

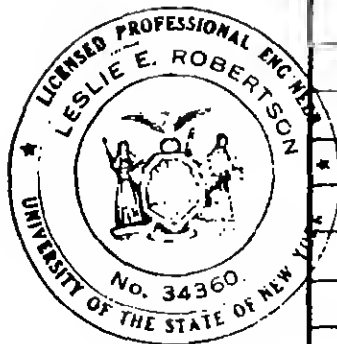


Structural & Civil Engineers

DATE 8-14-67

3-11-68

DIMENSIONS



6-ABI-259.1

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 771A 771B, 771C

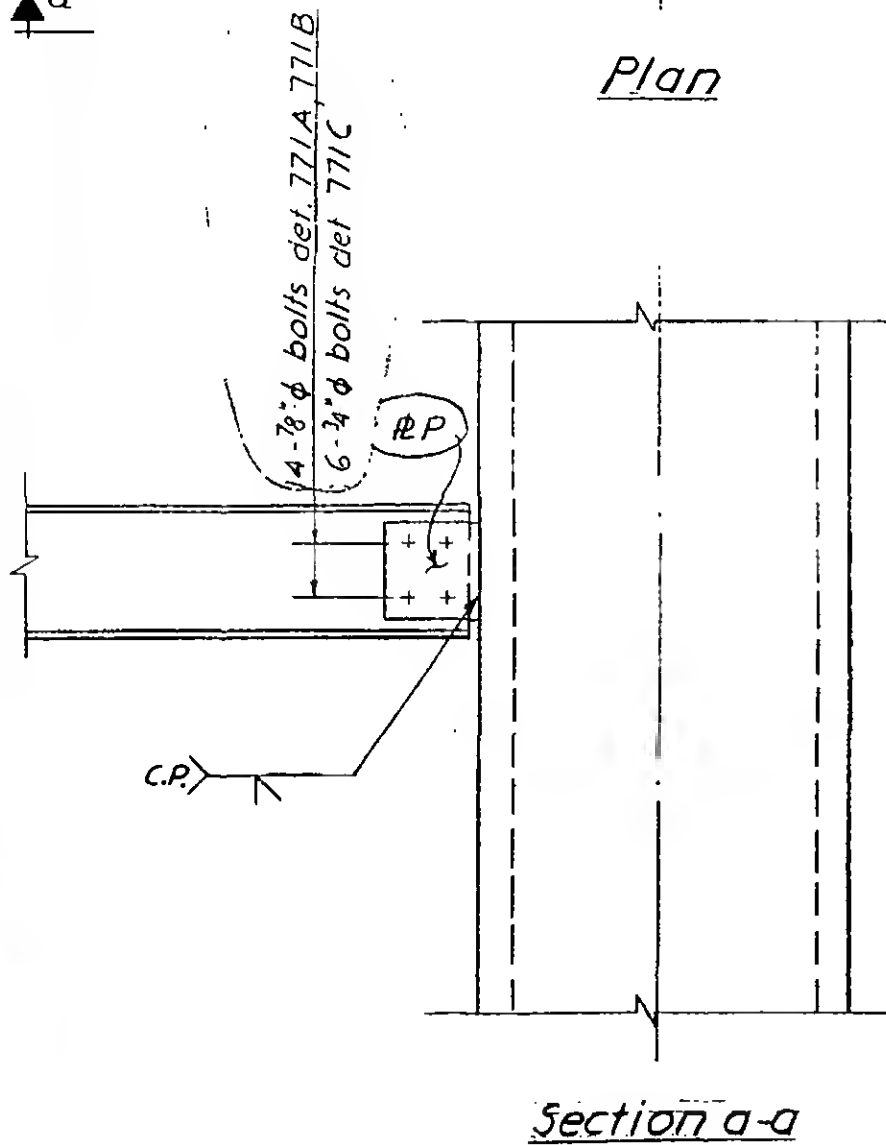
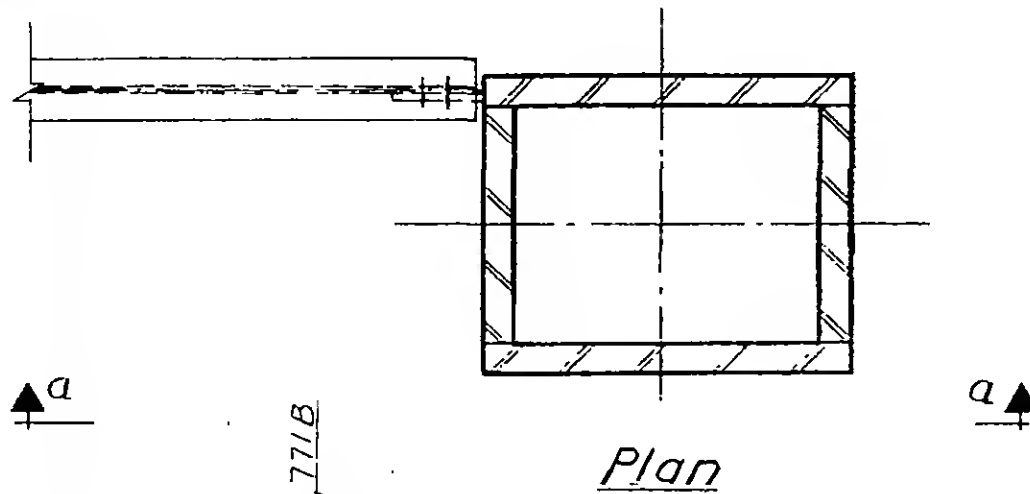
DATE 12-21-67

REVISIONS

2-9-68

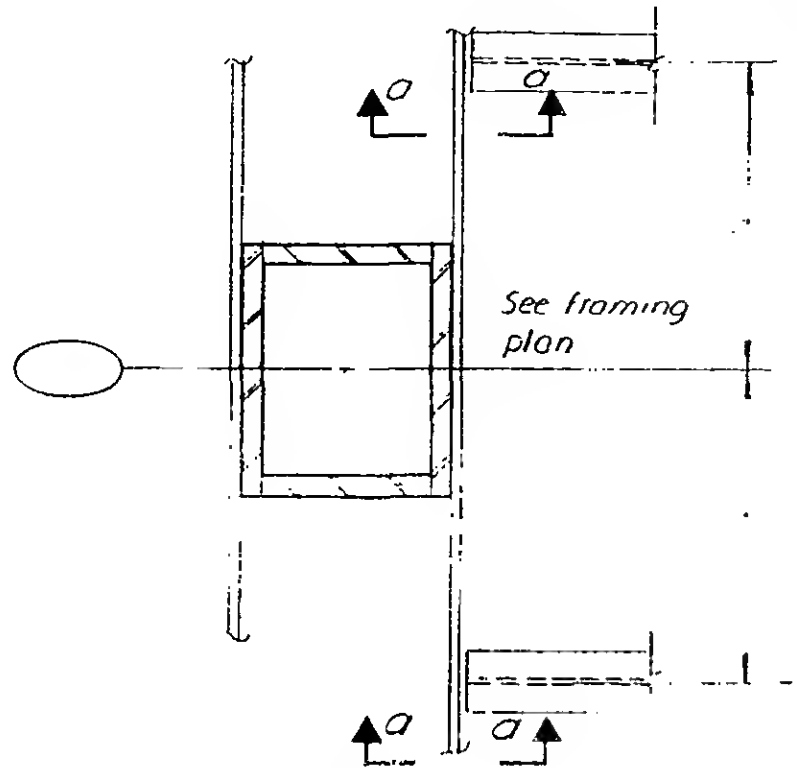
SCHEDULE

	RP
771A	3/8"
771B	3/8"
771C	1/2"

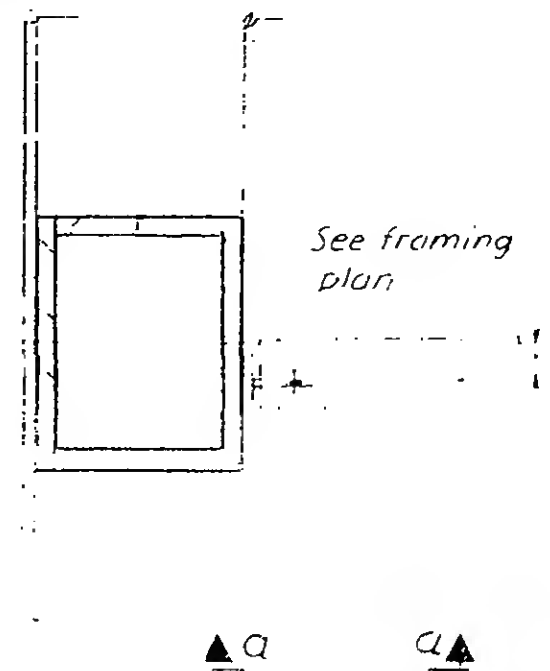


PROJECT *THE WORLD TRADE CENTER*TITLE *CONNECTION DETAIL 772 A, B, C*DATE *2-9-68*

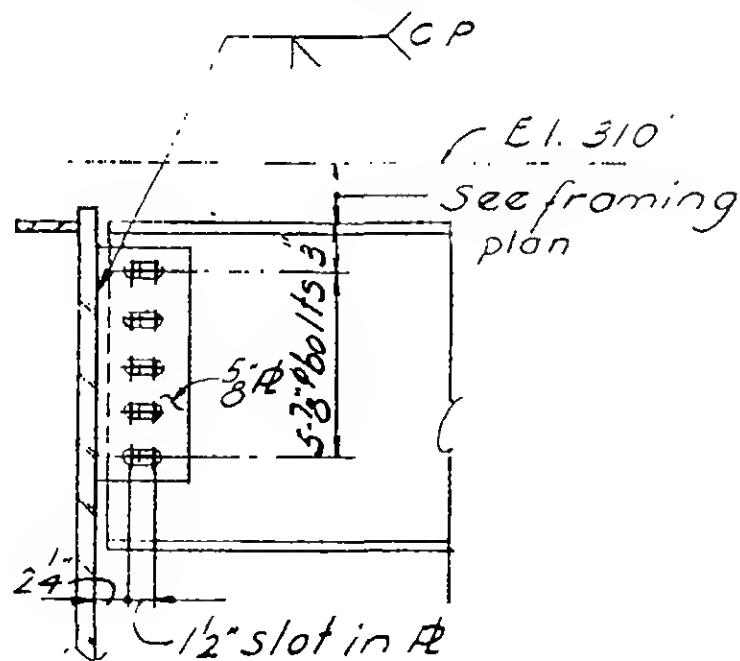
REVISIONS



Plan
772 A

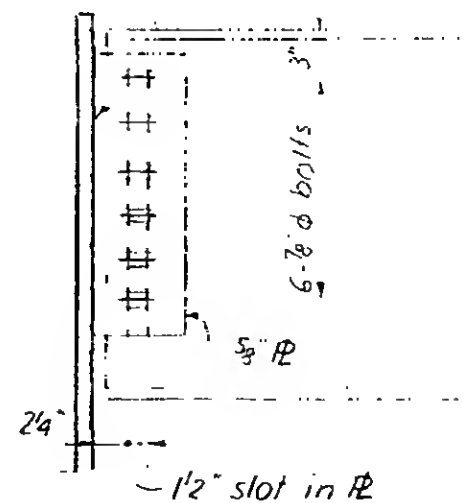


Plan
772 B & C



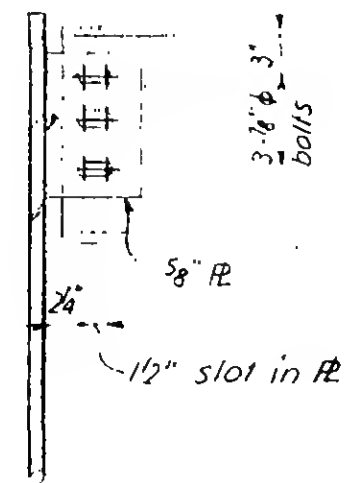
Section a-a

Detail 772 A



Section a-a

Detail 772 B



Section a-a

Detail 772 C

6-ABI-261

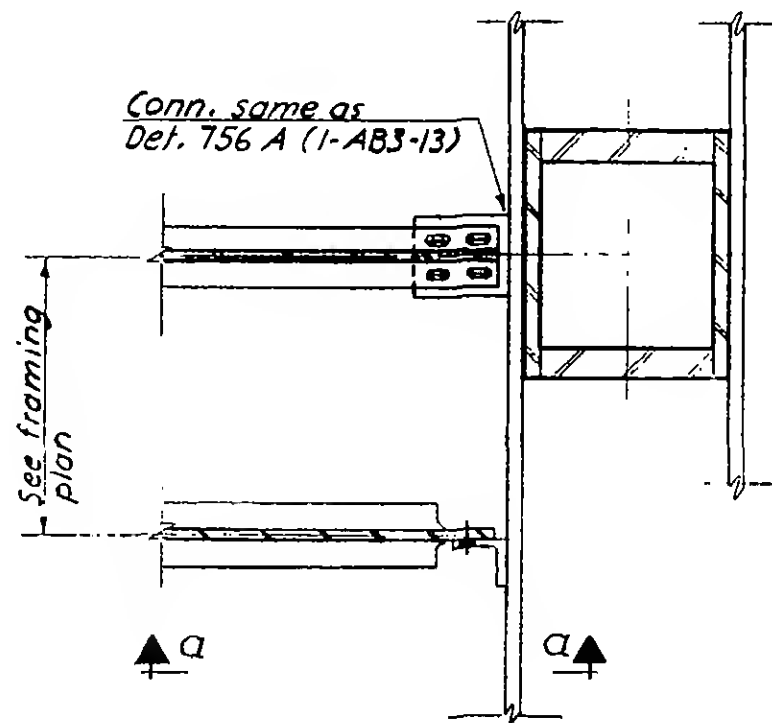


PROJECT THE WORLD TRADE CENTER

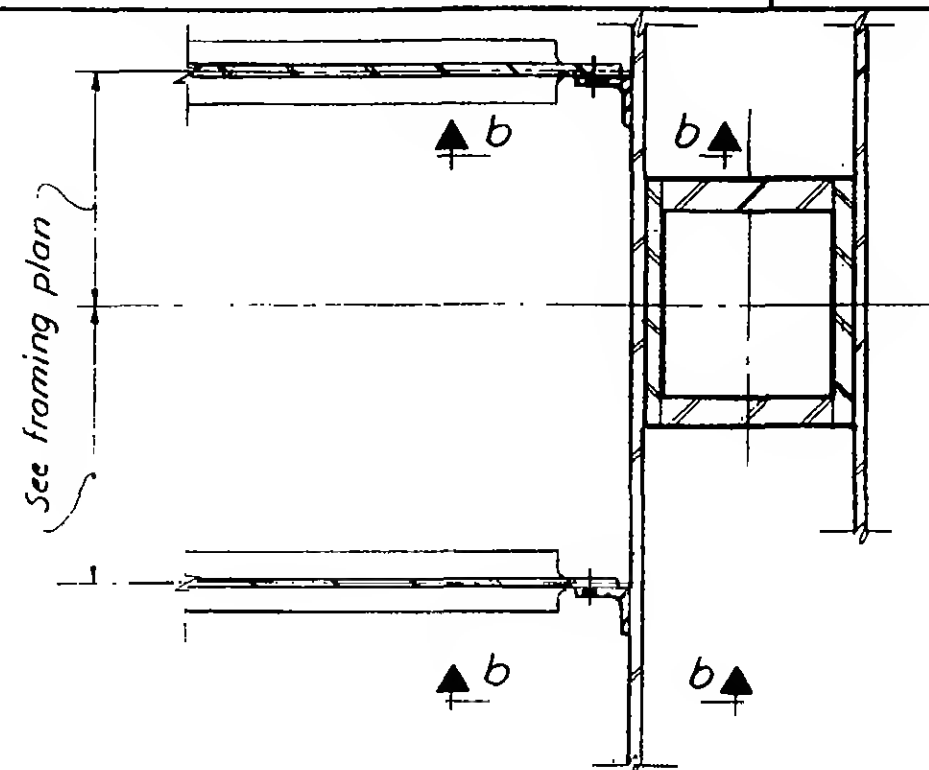
TITLE CONNECTION DETAIL 773 A & B

DATE 2-9-68

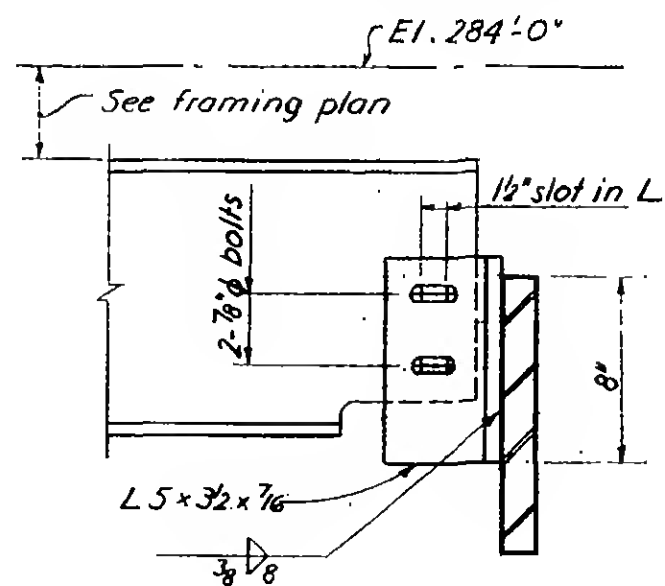
REVISIONS



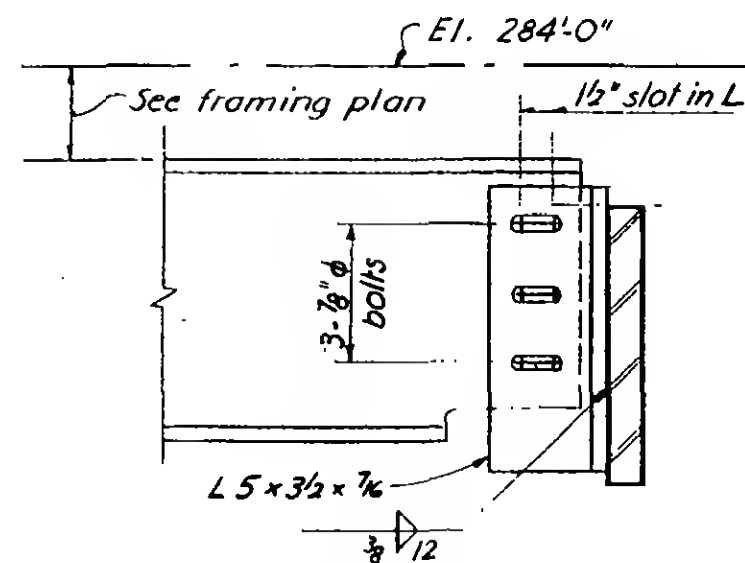
Plan
Detail 773 A



Plan
Detail 773 B



Section a-a



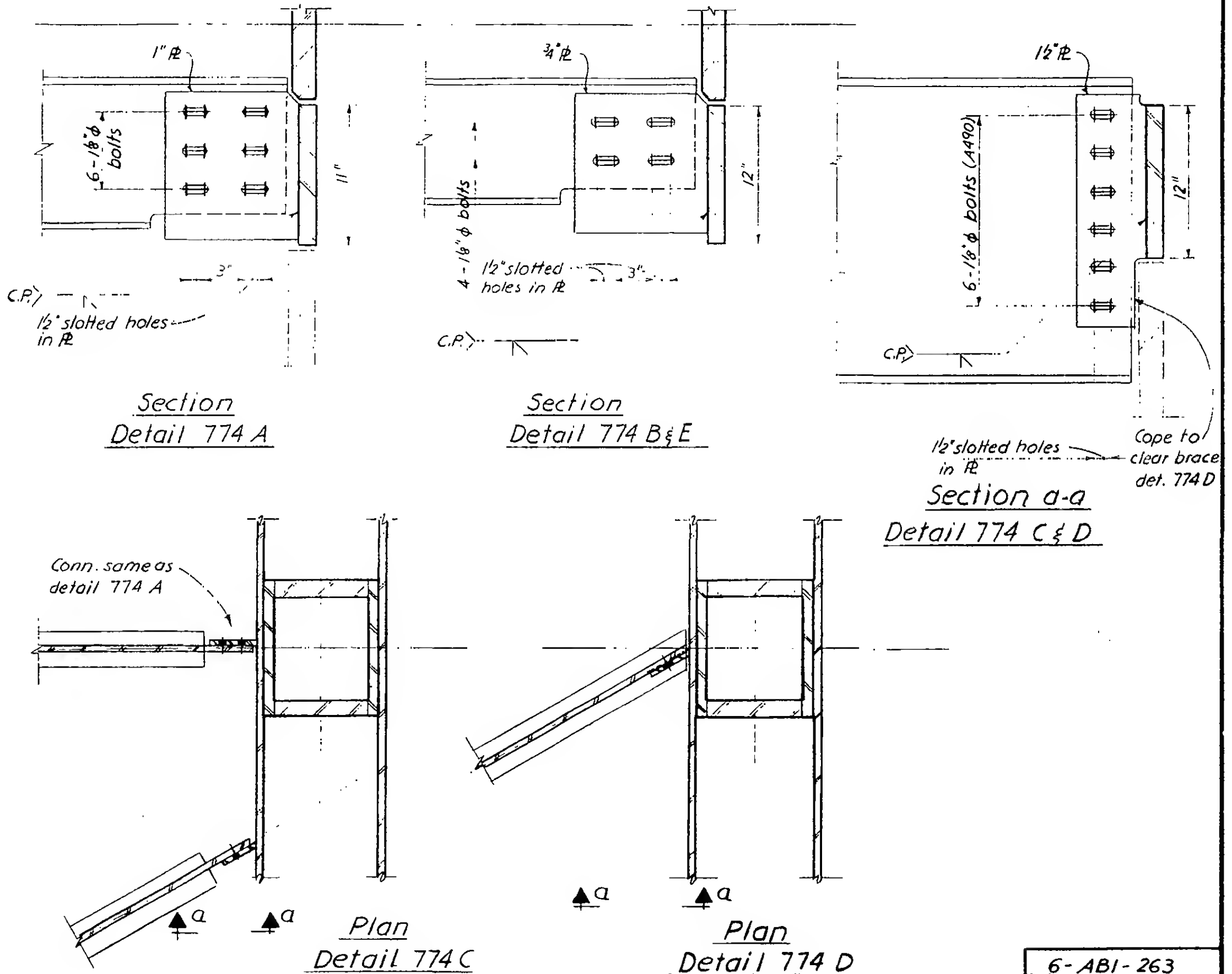
Section b-b

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 774 A-E

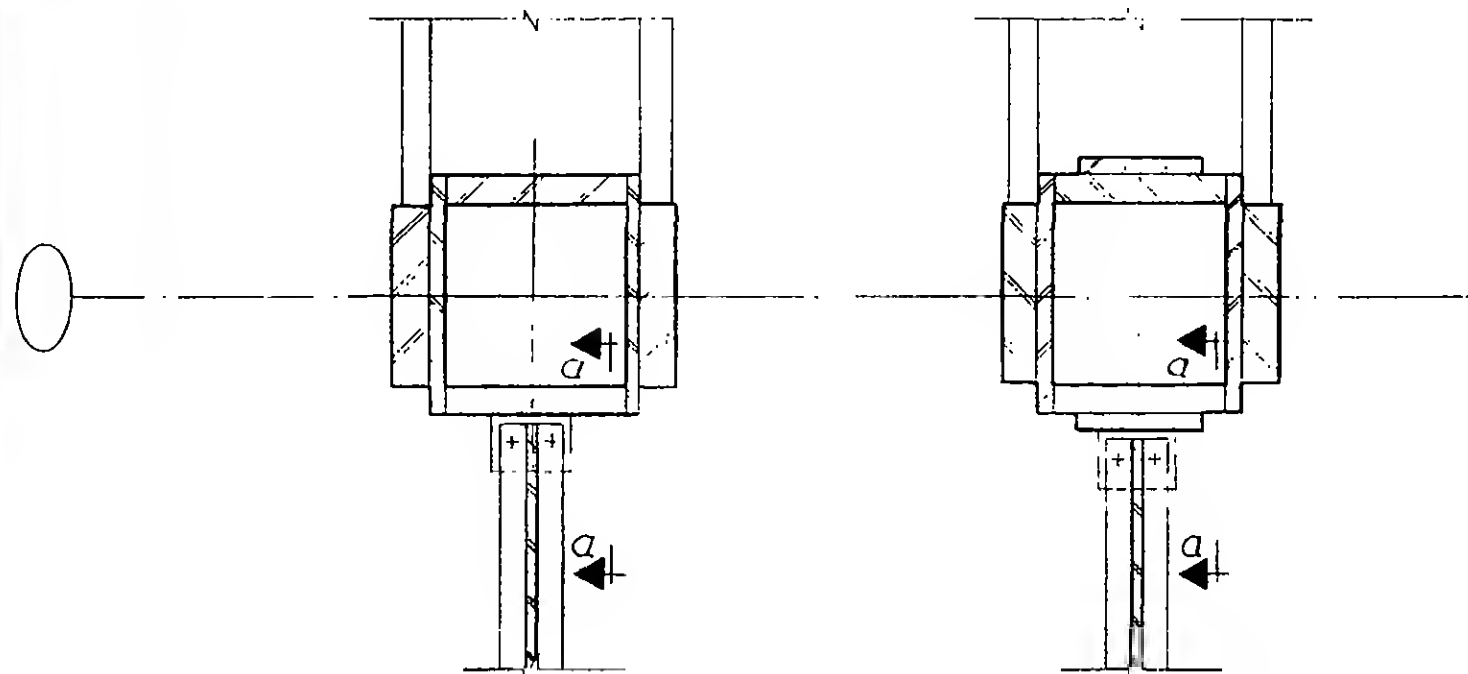
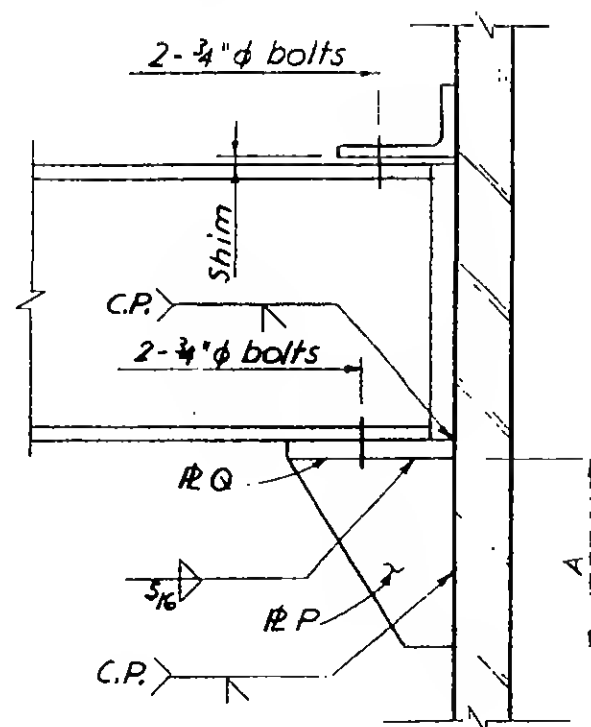
DATE 2-9-68

REVISIONS



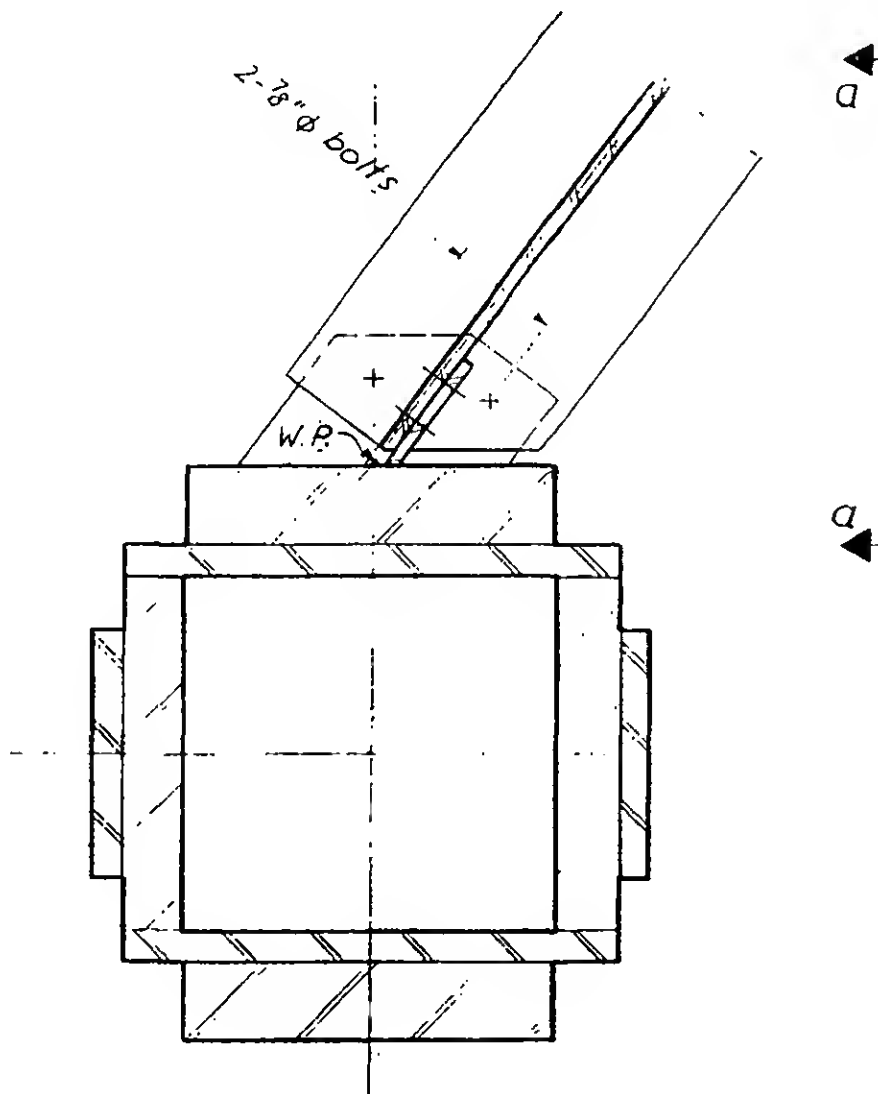
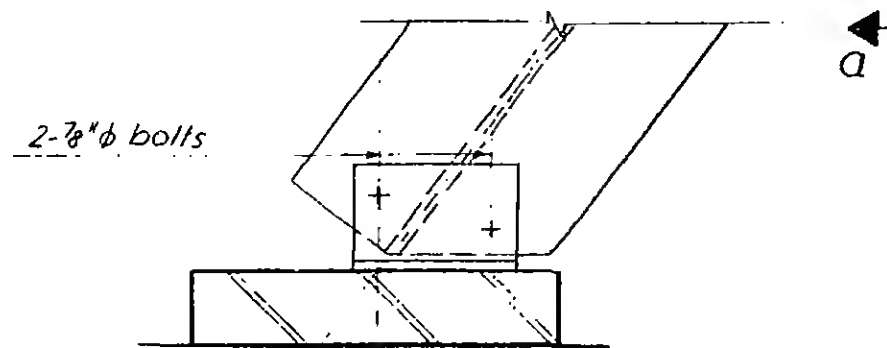
PROJECT *THE WORLD TRADE CENTER*TITLE *CONNECTION DETAIL 775 A-C*DATE *2-9-66*

REVISIONS

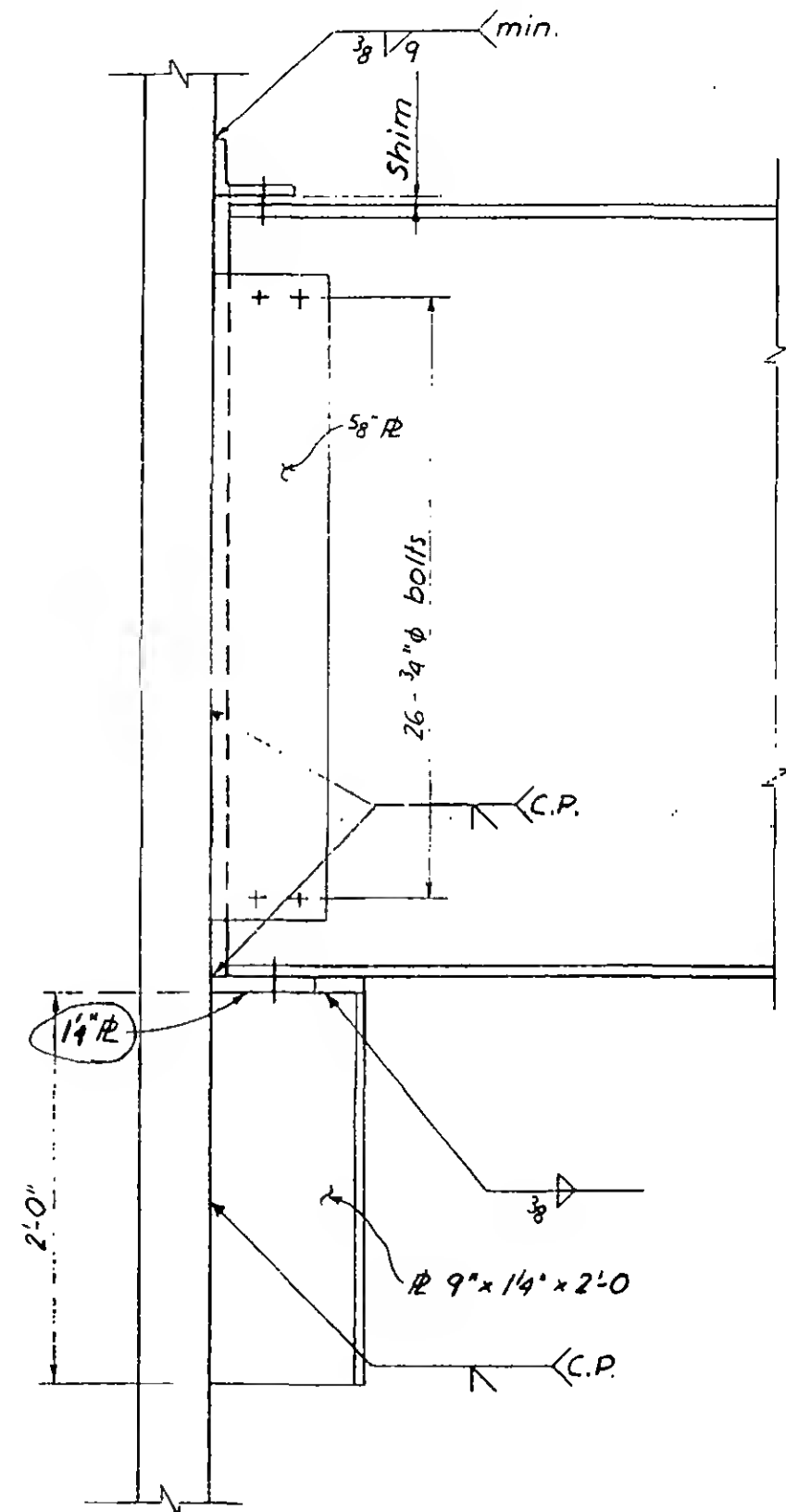
*Plan
Detail 775 A**Plan
Detail 775 B & C**Section a-a**SCHEDULE*

	775 A	775 B	775 C
PLATE P	4 1/2" x 3/4"	7" x 1"	7" x 1"
PLATE Q	3/4"	1"	1"
DIM. A	1'-2"	1'-2"	1'-2"

REVISIONS



Plan



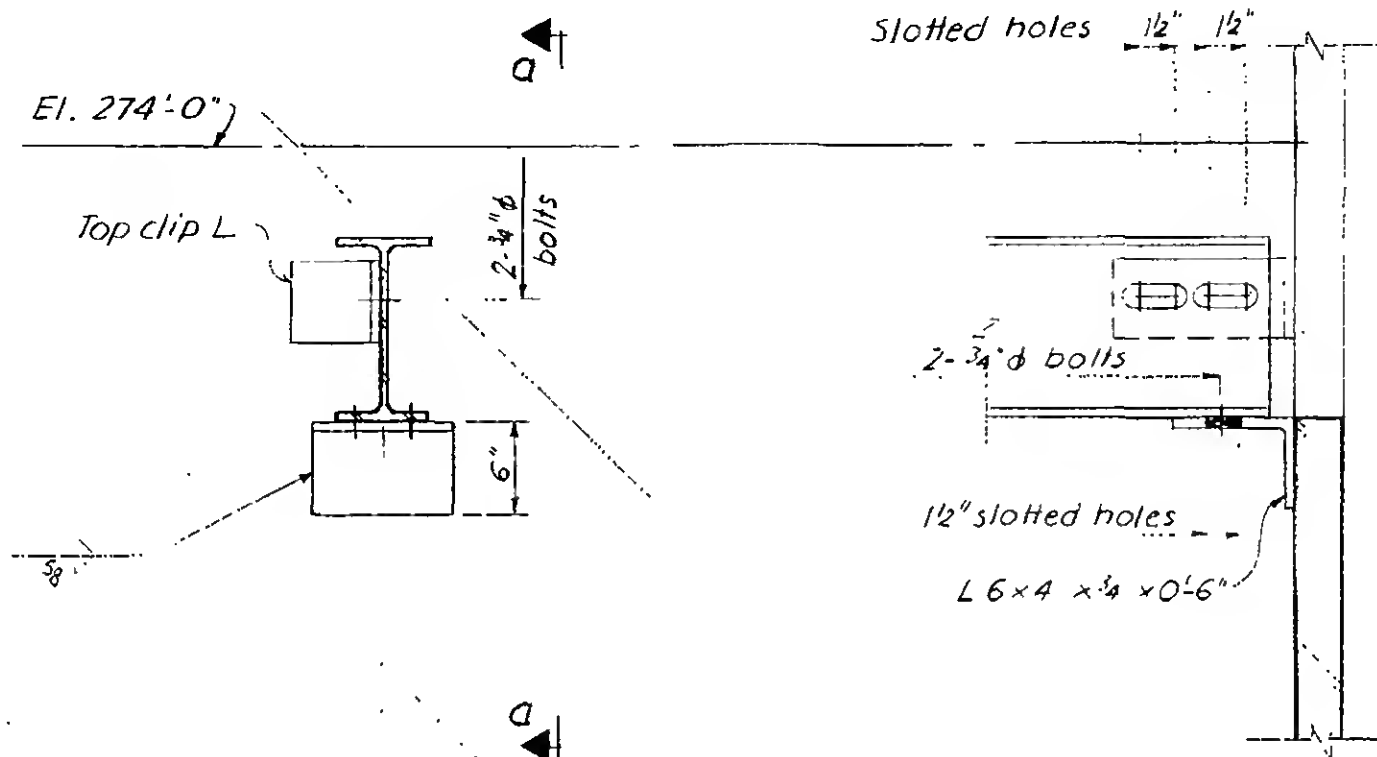
Section a-a

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 778 A

DATE 2-9-68

REVISIONS

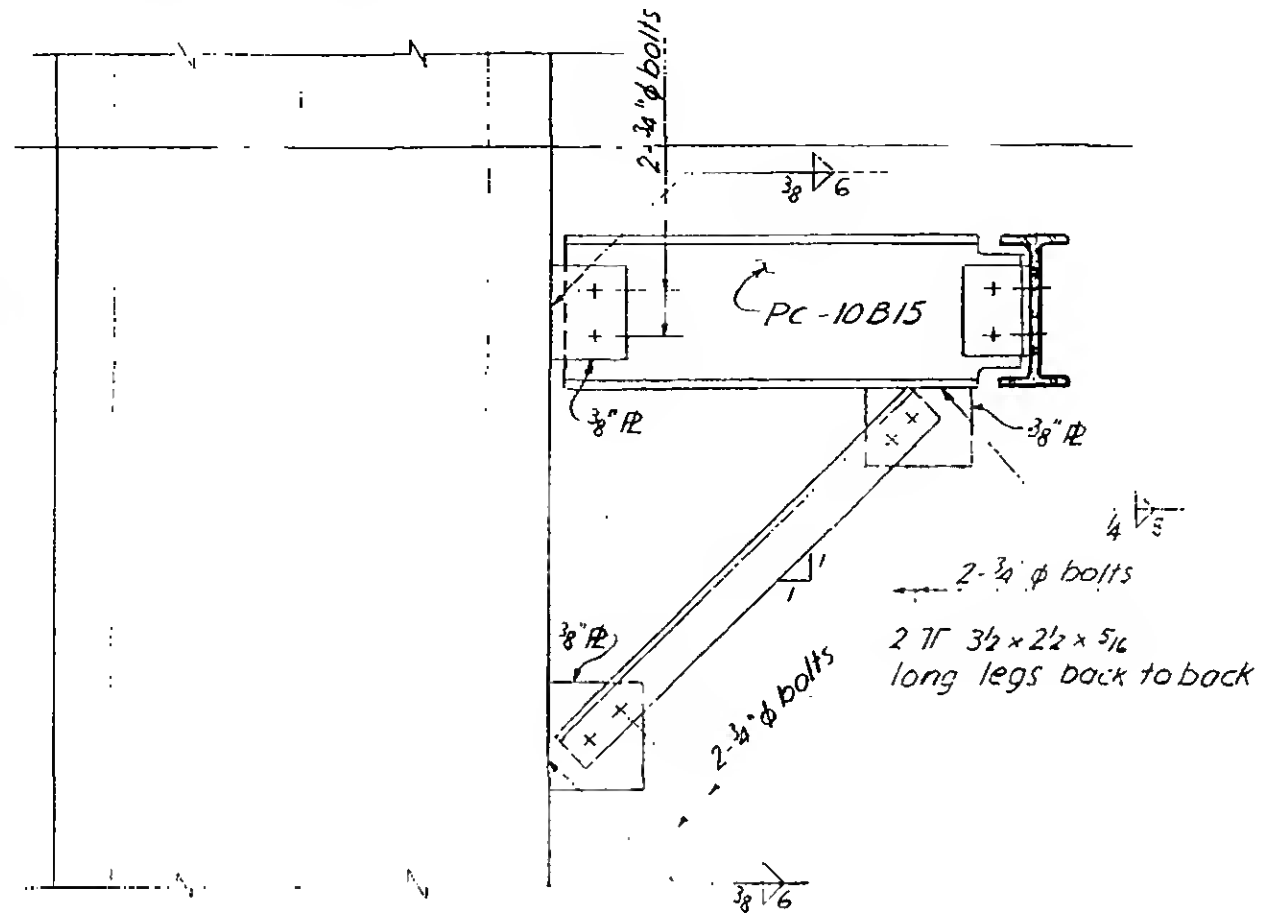
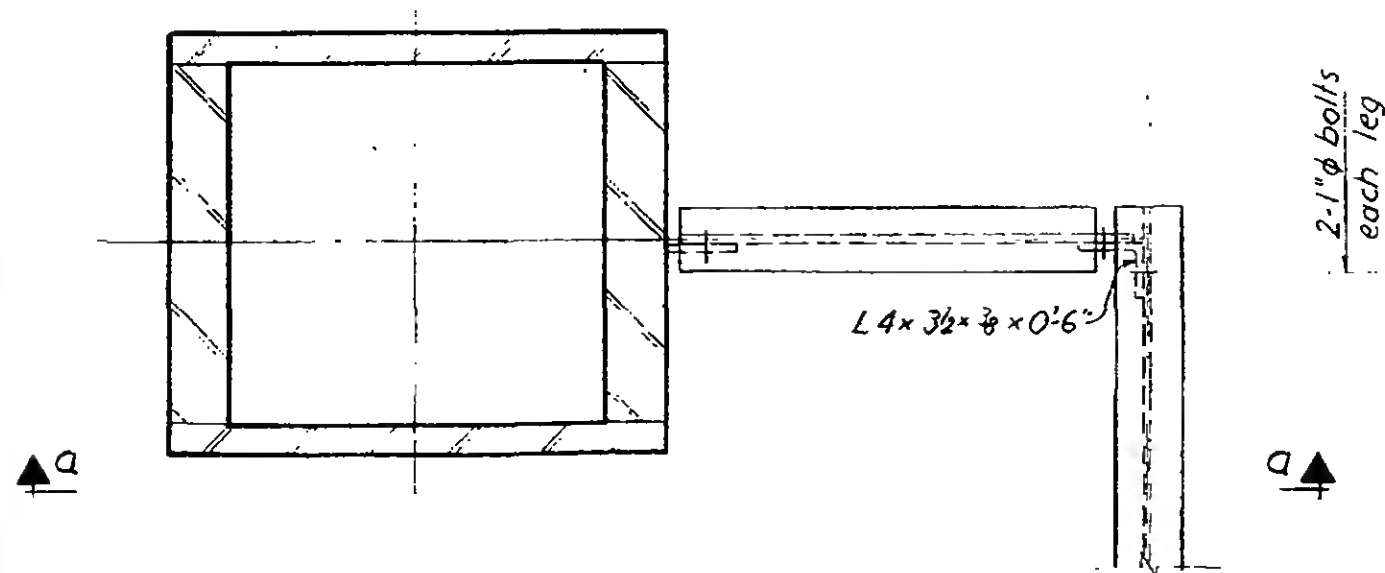
ElevationSection a-a

PROJECT THE WORLD TRADE CENTER

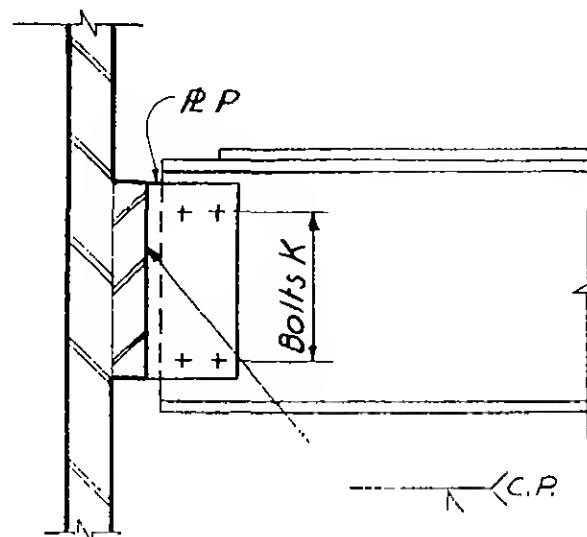
TITLE CONNECTION DETAIL 779 A

DATE 2-9-68

REVISIONS

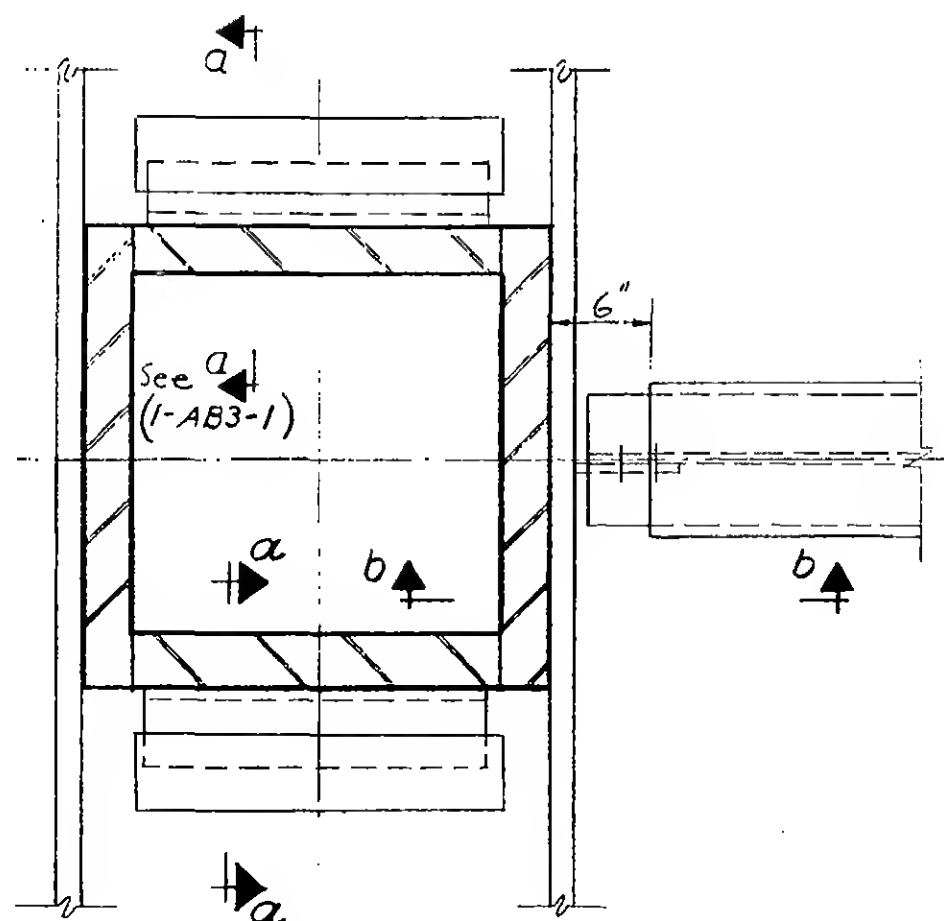
Section a-aPlan

REVISIONS



Section b-b

SCHEDULE		
	780 A	780 B
$\varnothing P$	$\frac{3}{4}$ "	$\frac{7}{8}$
BOLTS K	10 - $\frac{3}{4}$ " ϕ	10 - 1" ϕ



Plan

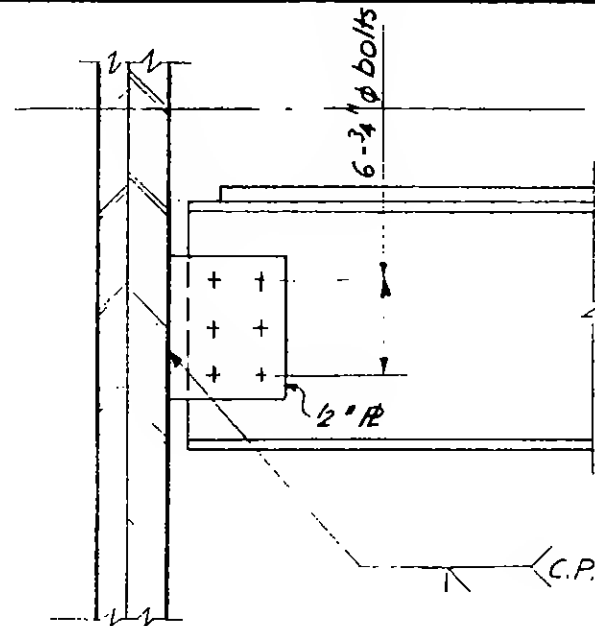
6-ABI-269

PROJECT THE WORLD TRADE CENTER

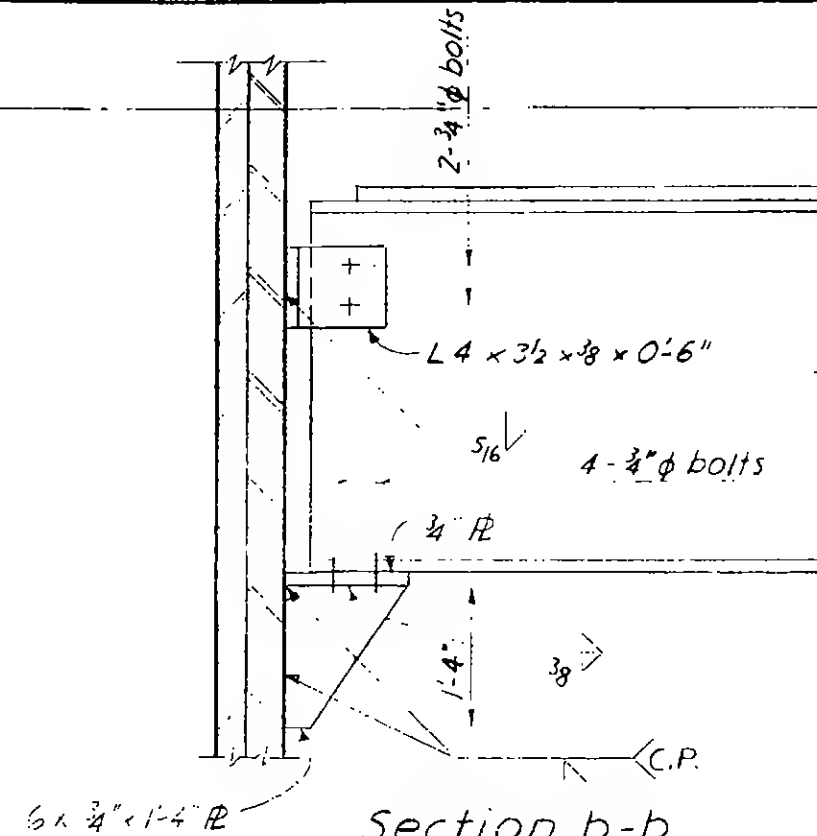
TITLE CONNECTION DETAIL 781 A & B

DATE 2-9-68

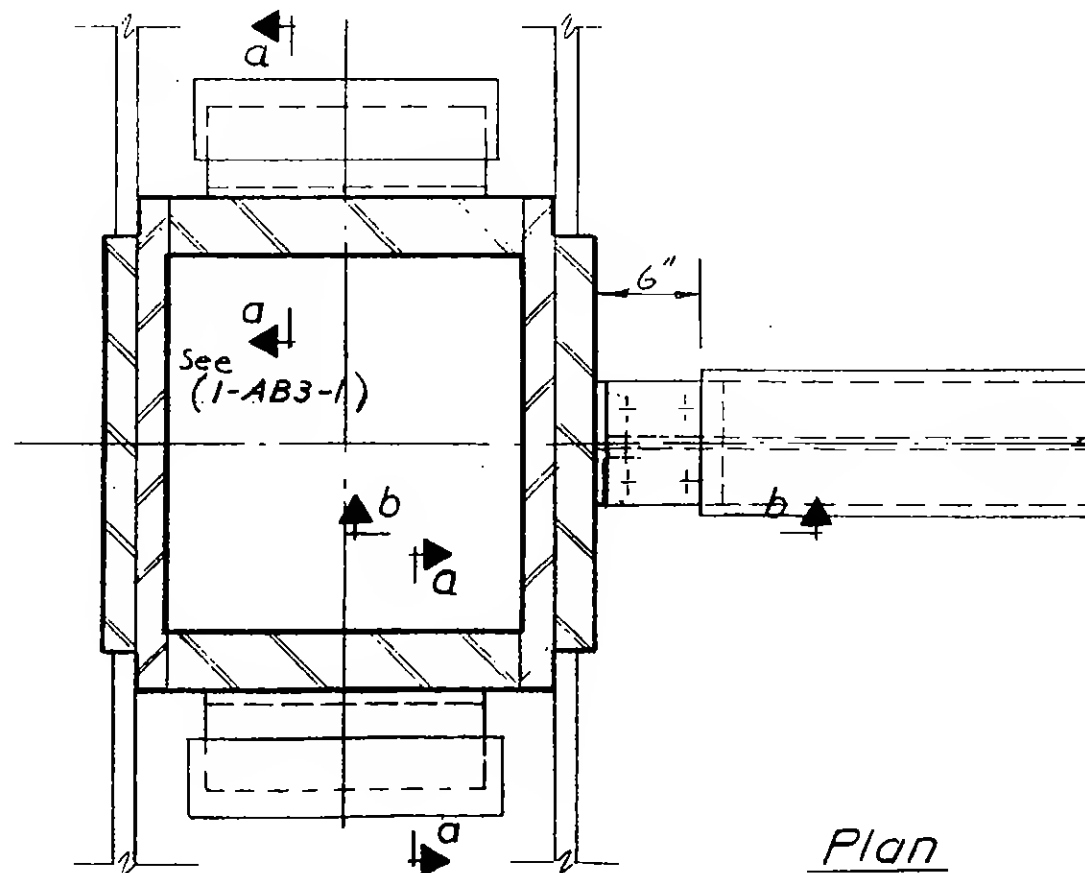
REVISIONS



Section b-b
Detail 781 A

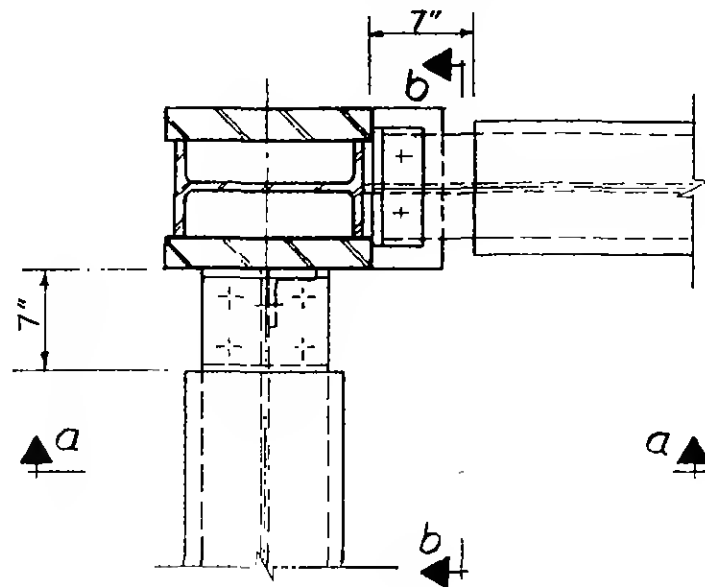
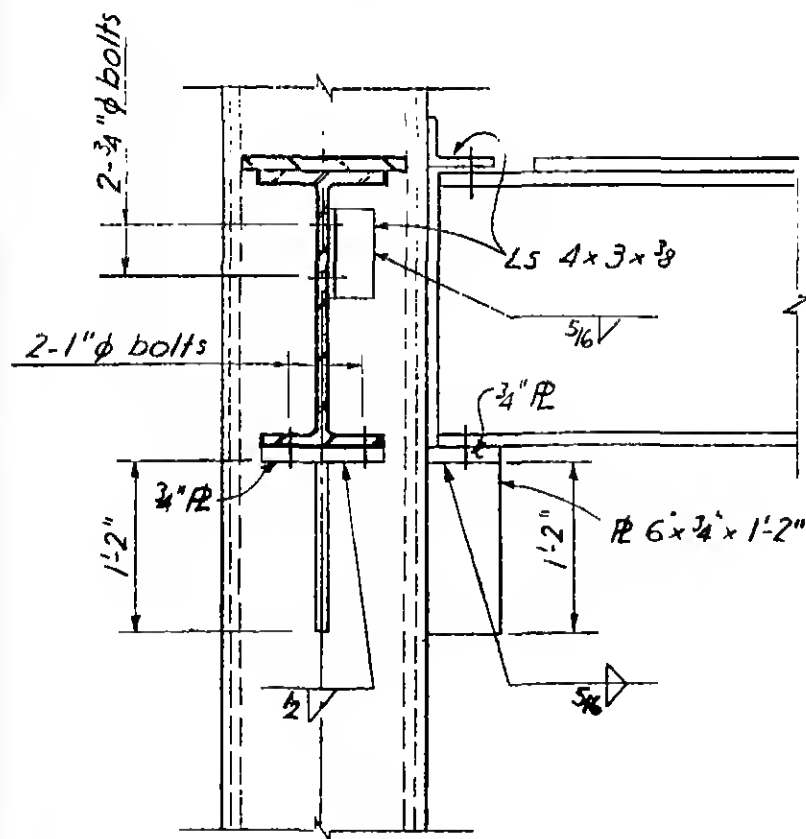
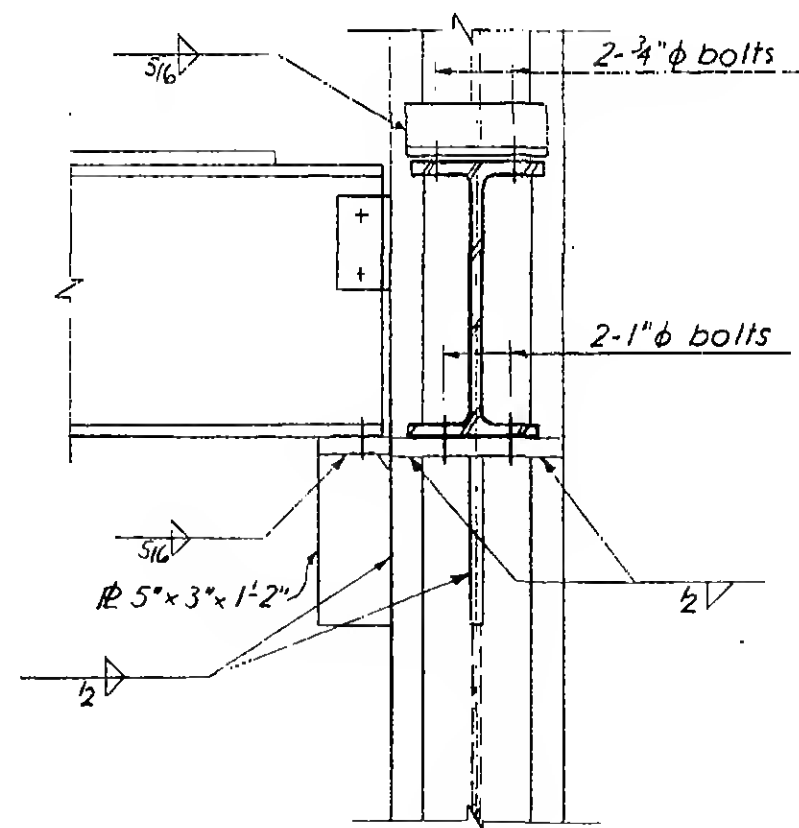


Section b-b
Detail 781 B

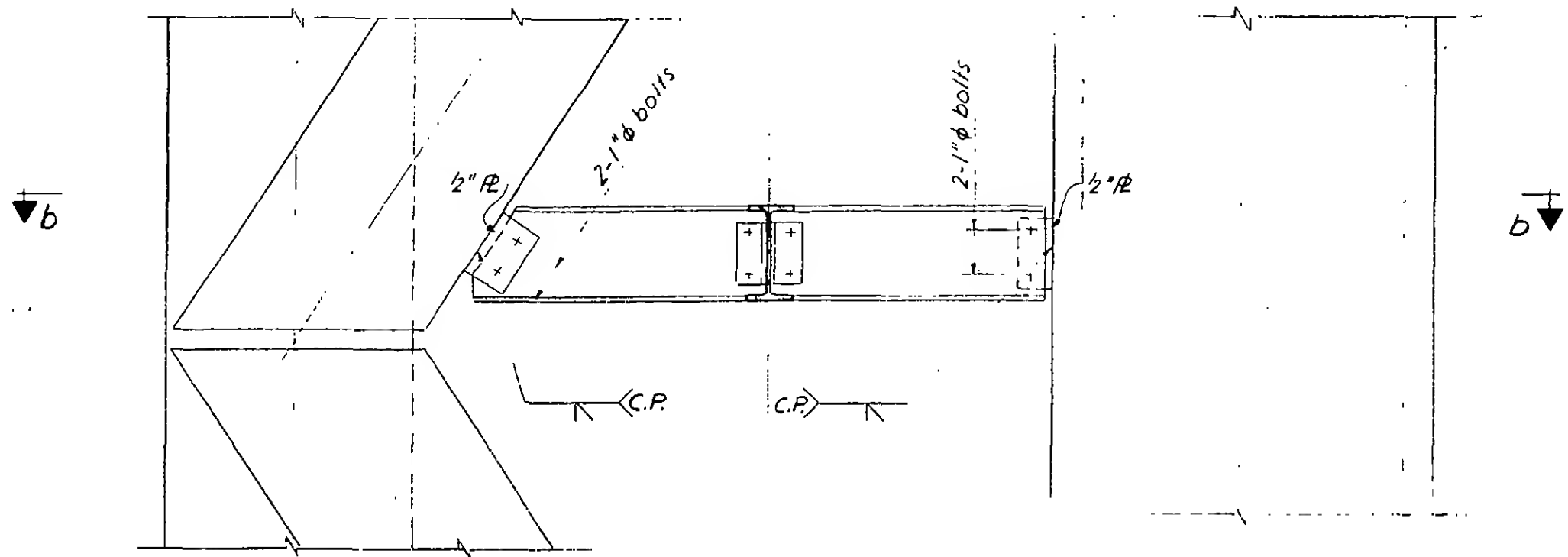
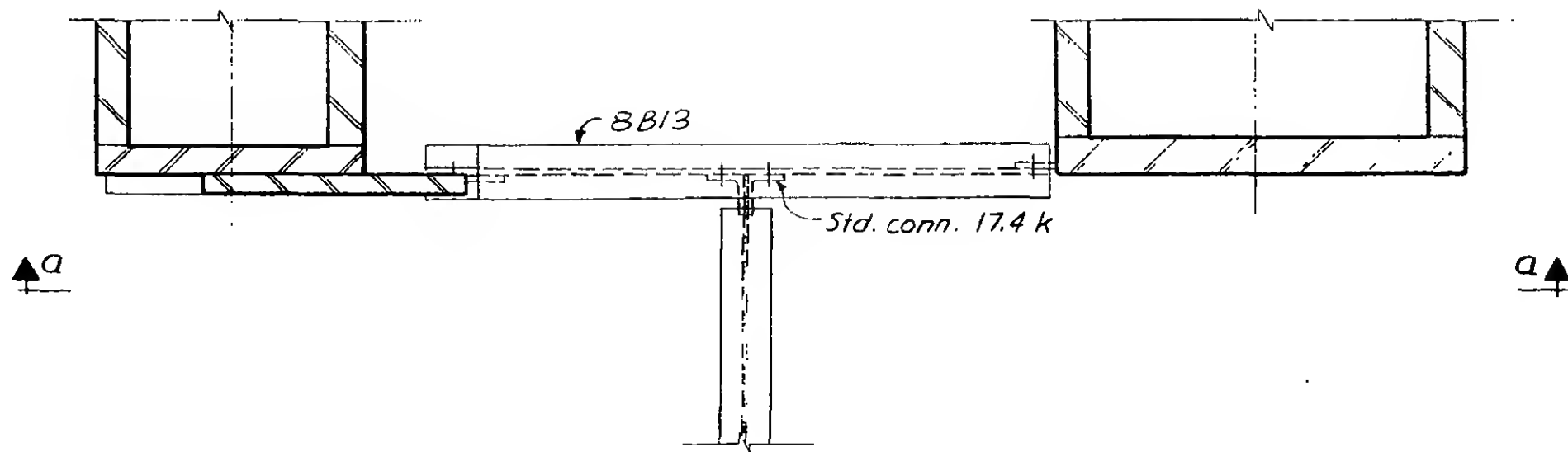


PROJECT *THE WORLD TRADE CENTER*TITLE *CONNECTION DETAIL 782 A*DATE *2-9-68*

REVISIONS

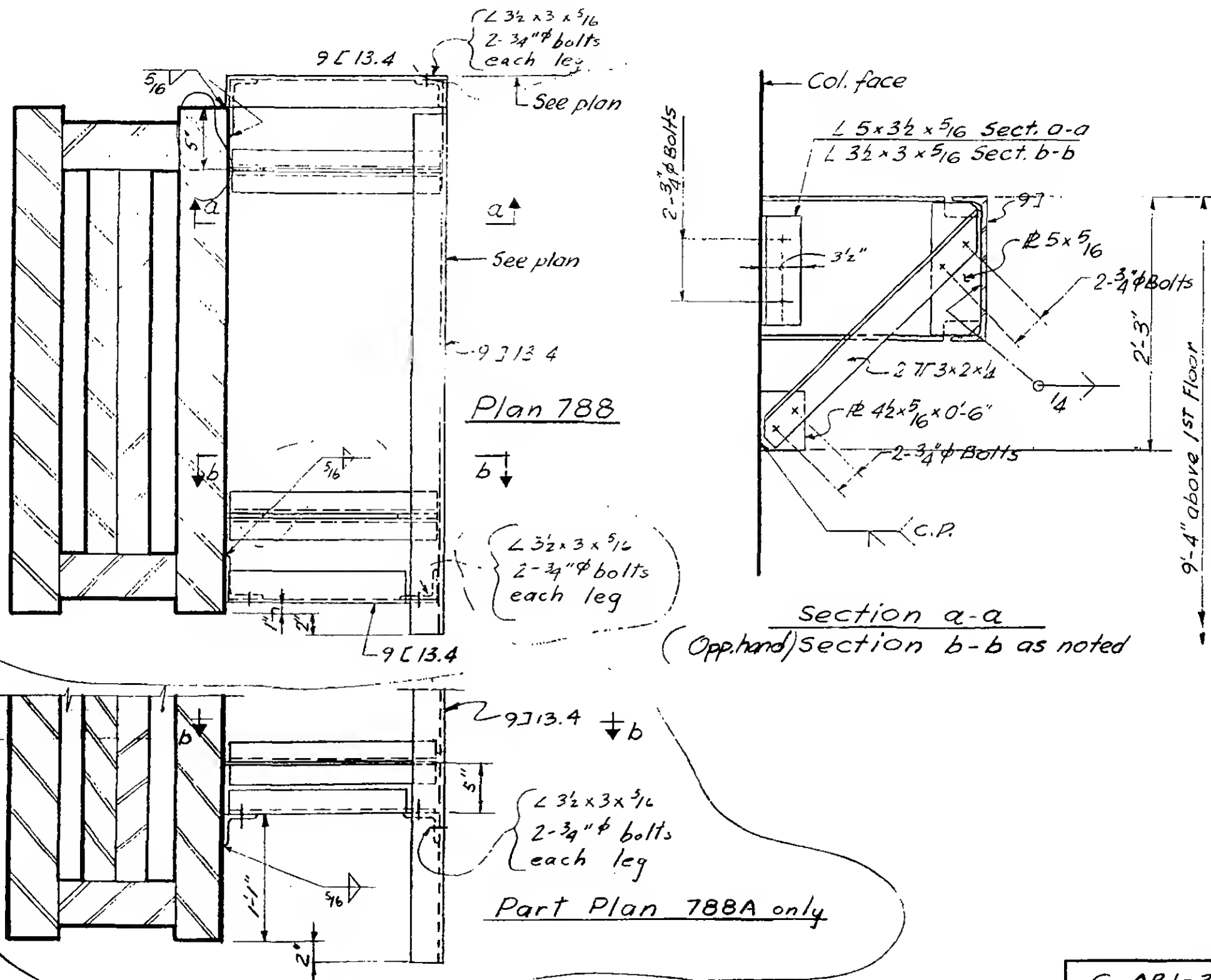
*Plan**Section a-a**Section b-b*

REVISIONS

Section a-aPlan b-b

REVISIONS

7-17-68



6-AB/-301

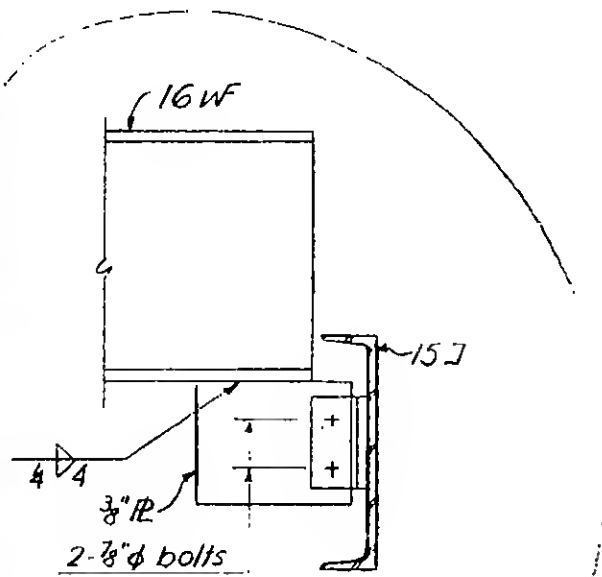
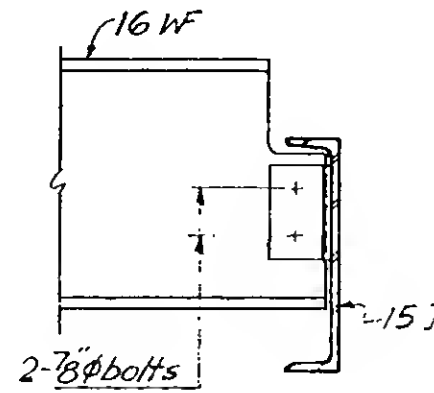
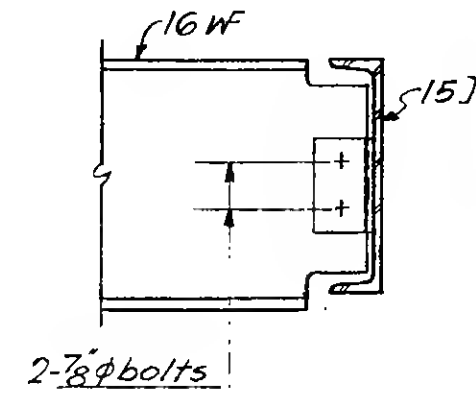
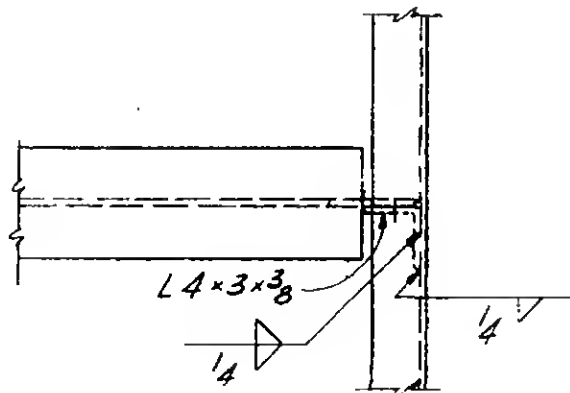
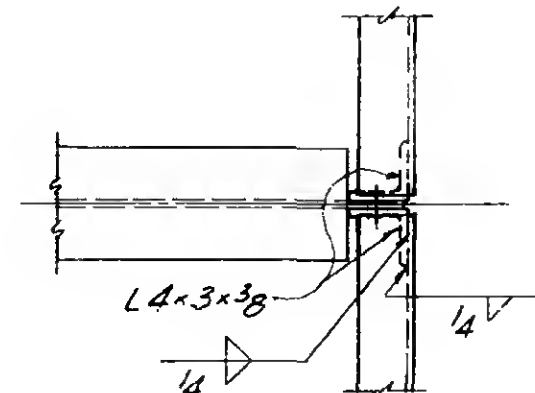
PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAILS 789, 790, 791

DATE 8-5-67

REVISIONS

11-16-67

Detail 789Detail 790Detail 791Plan where L cont.Plan at L splice

PROJECT THE WORLD TRADE CENTER

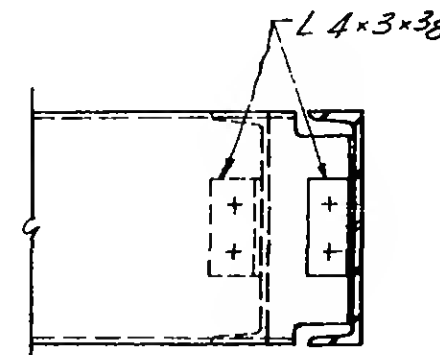
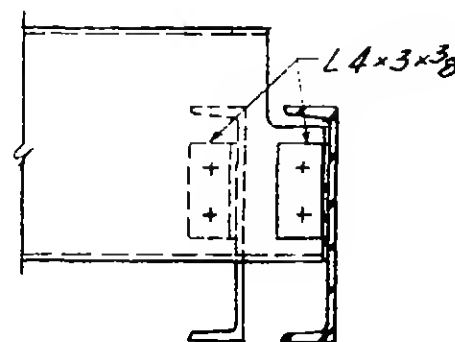
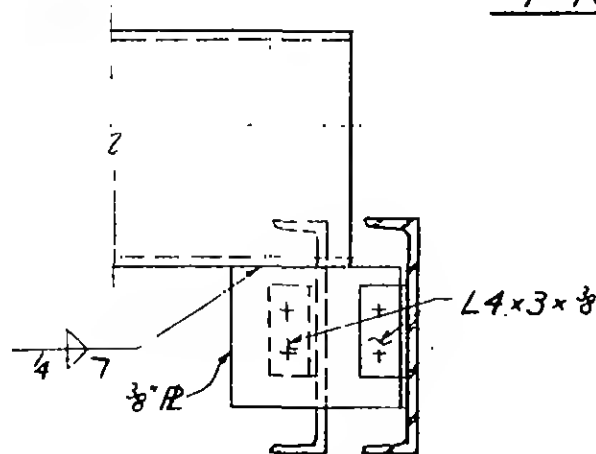
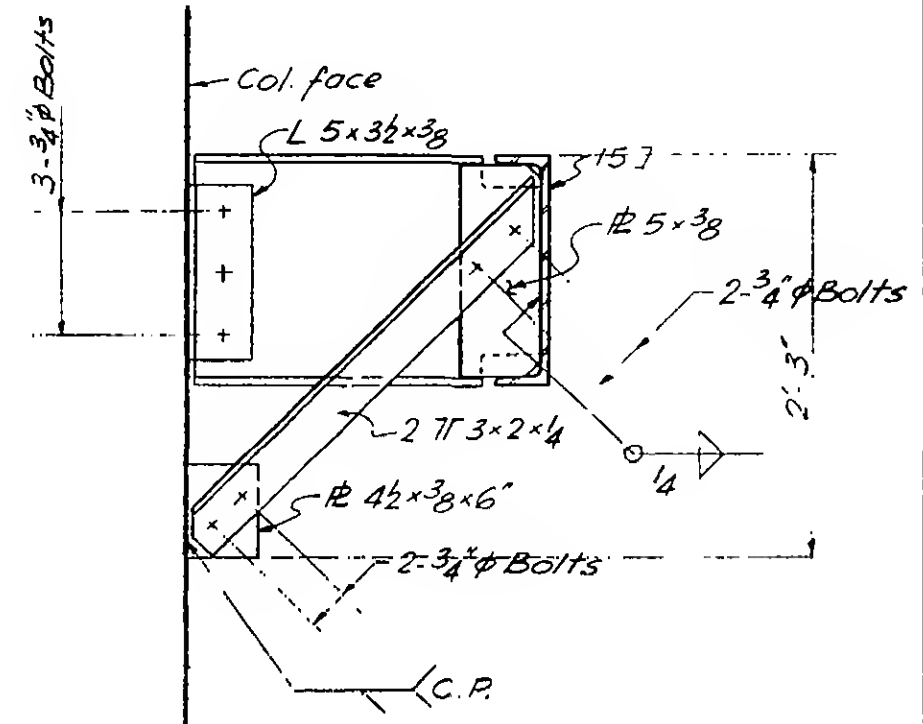
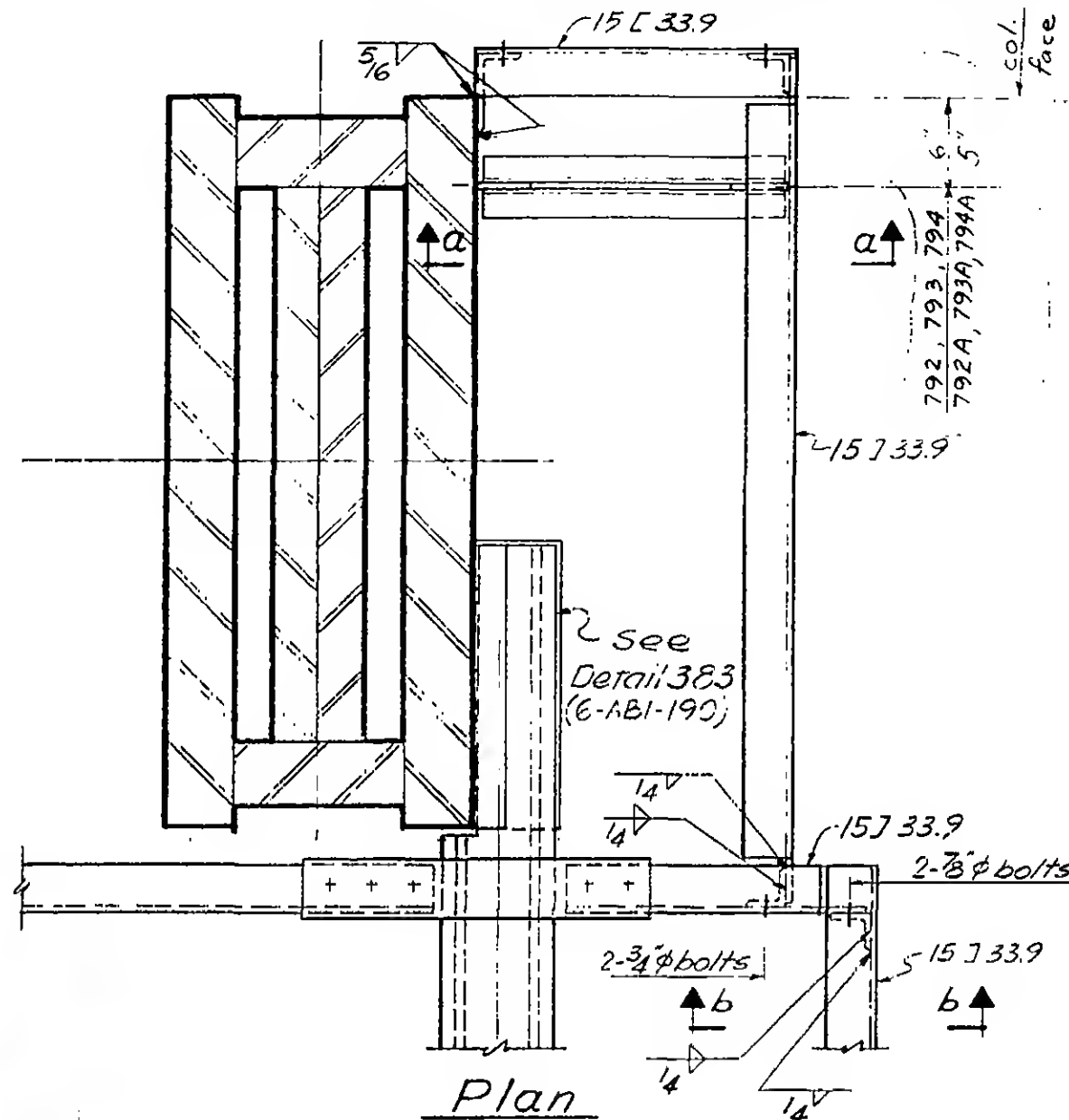
TITLE CONNECTION DETAIL 792, 792A, 793, 793A, 794, 794A

DATE 8-5-67

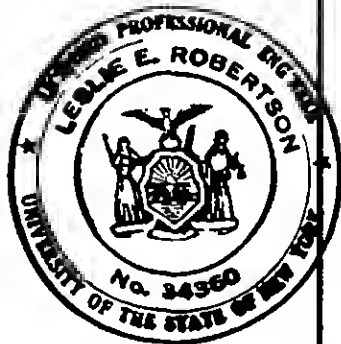
REVISIONS

11-16-67

7-17-68



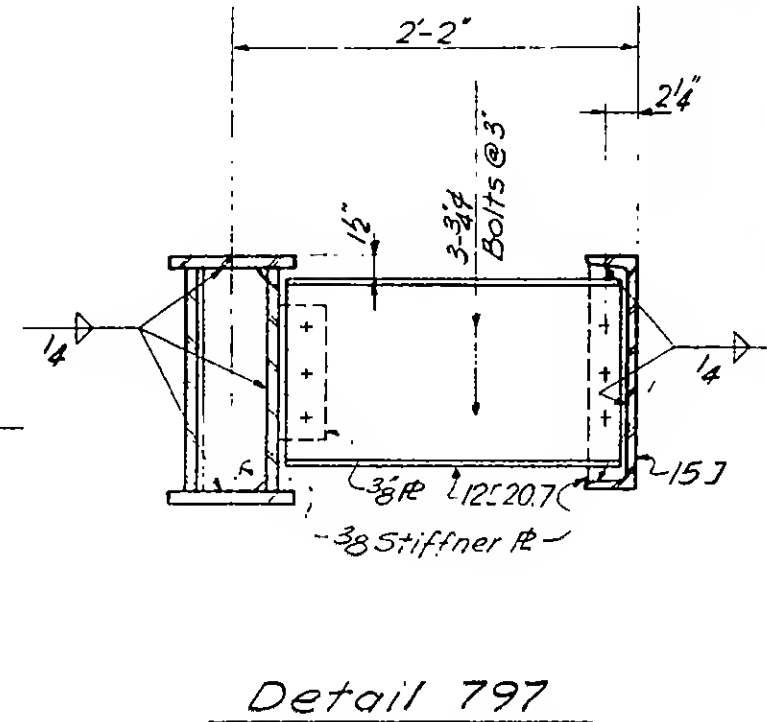
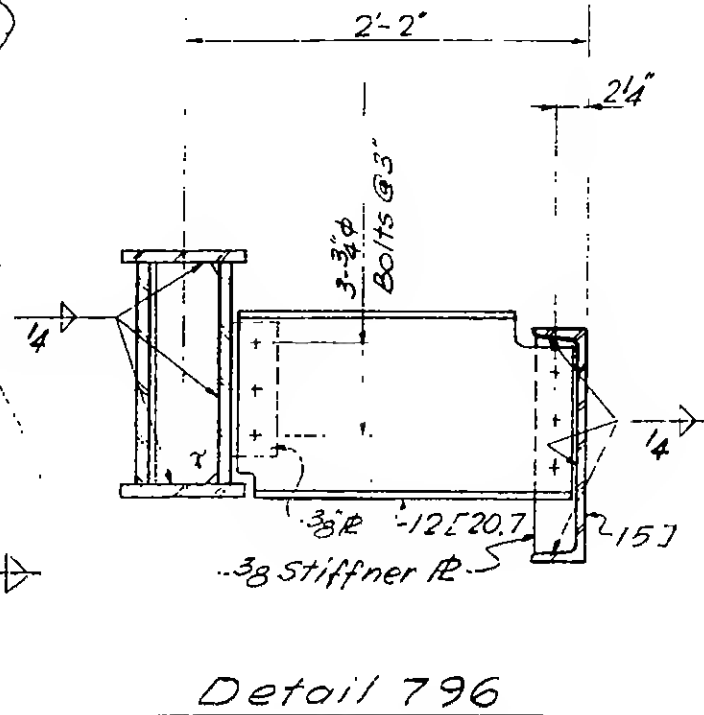
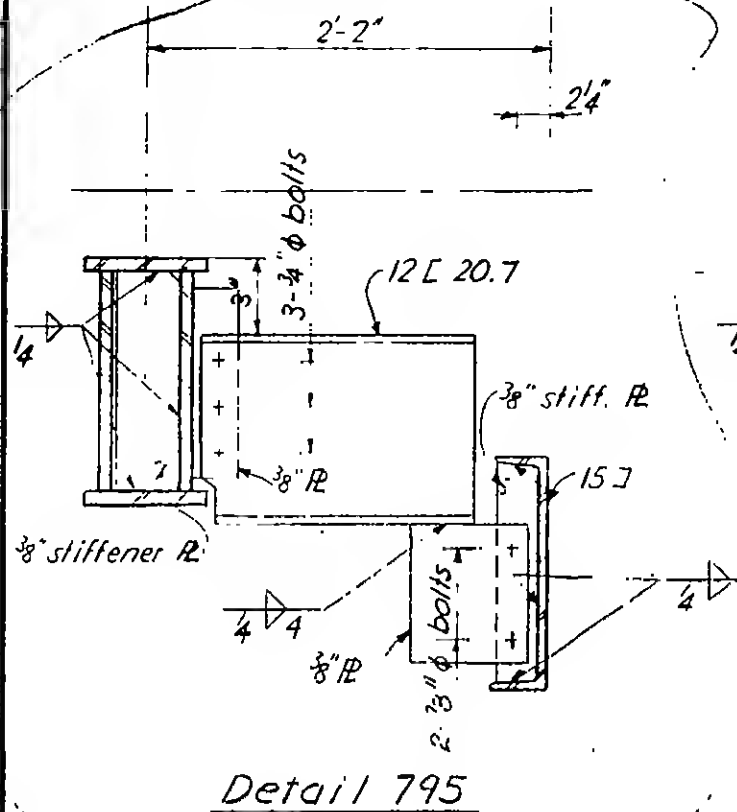
6-ABI-303



PROJECT **THE WORLD TRADE CENTER**TITLE **CONNECTION DETAILS 795, 796, 797**DATE **8-5-67**

REVISIONS

11-16-67



PROJECT

THE WORLD TRADE CENTER

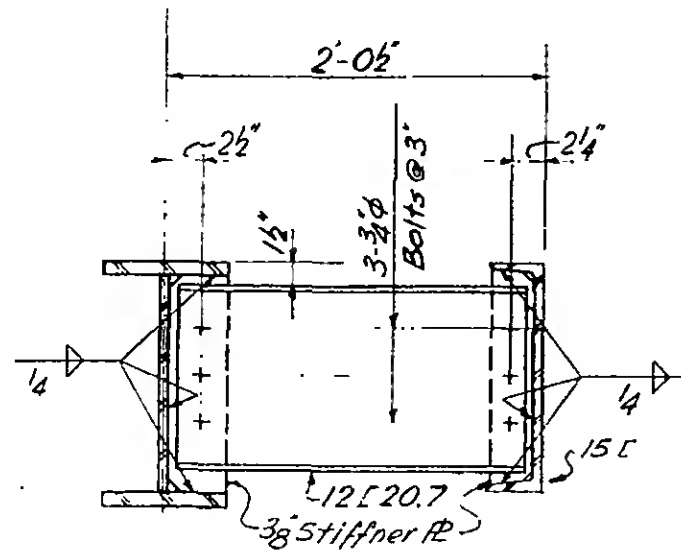
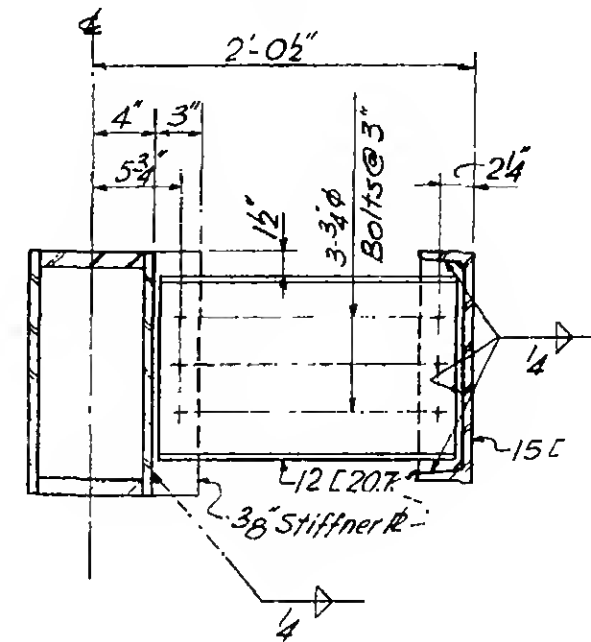
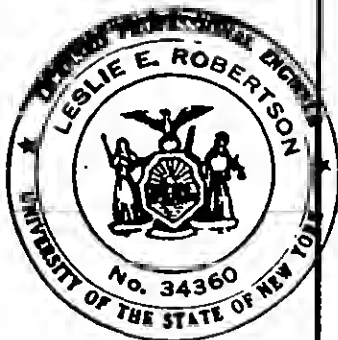
TITLE

CONNECTION DETAILS 798, 799

DATE

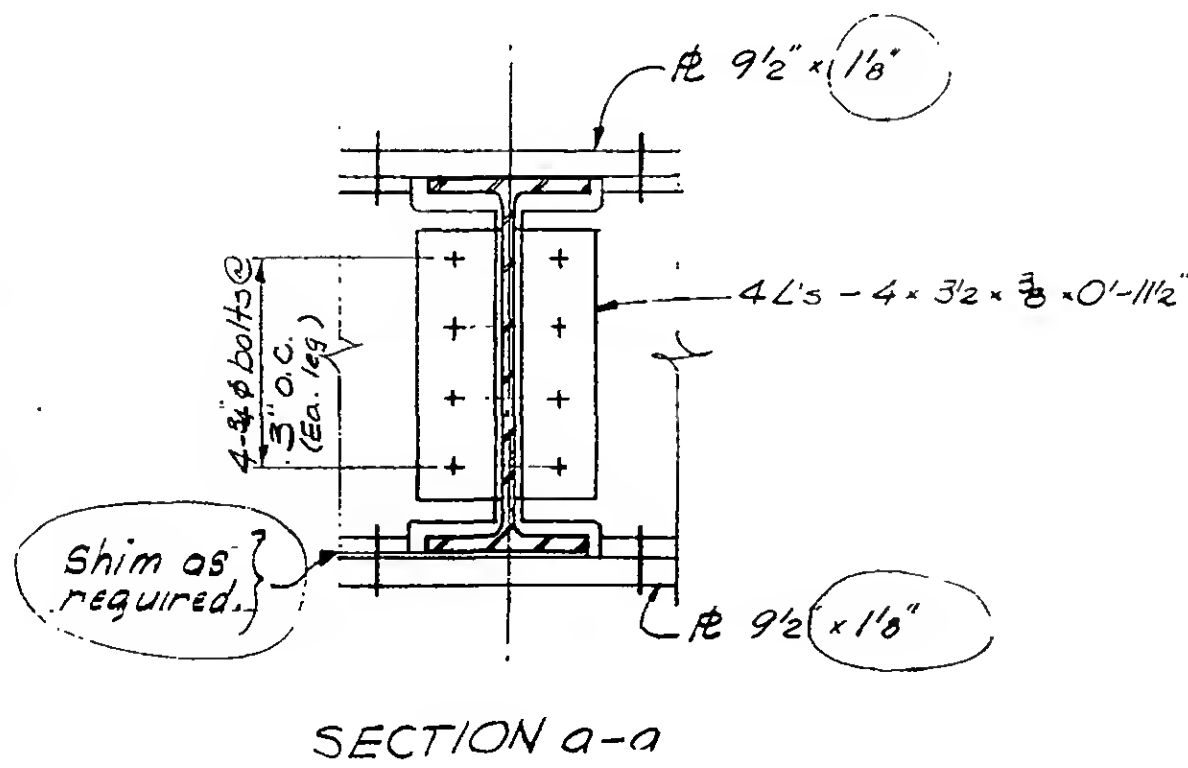
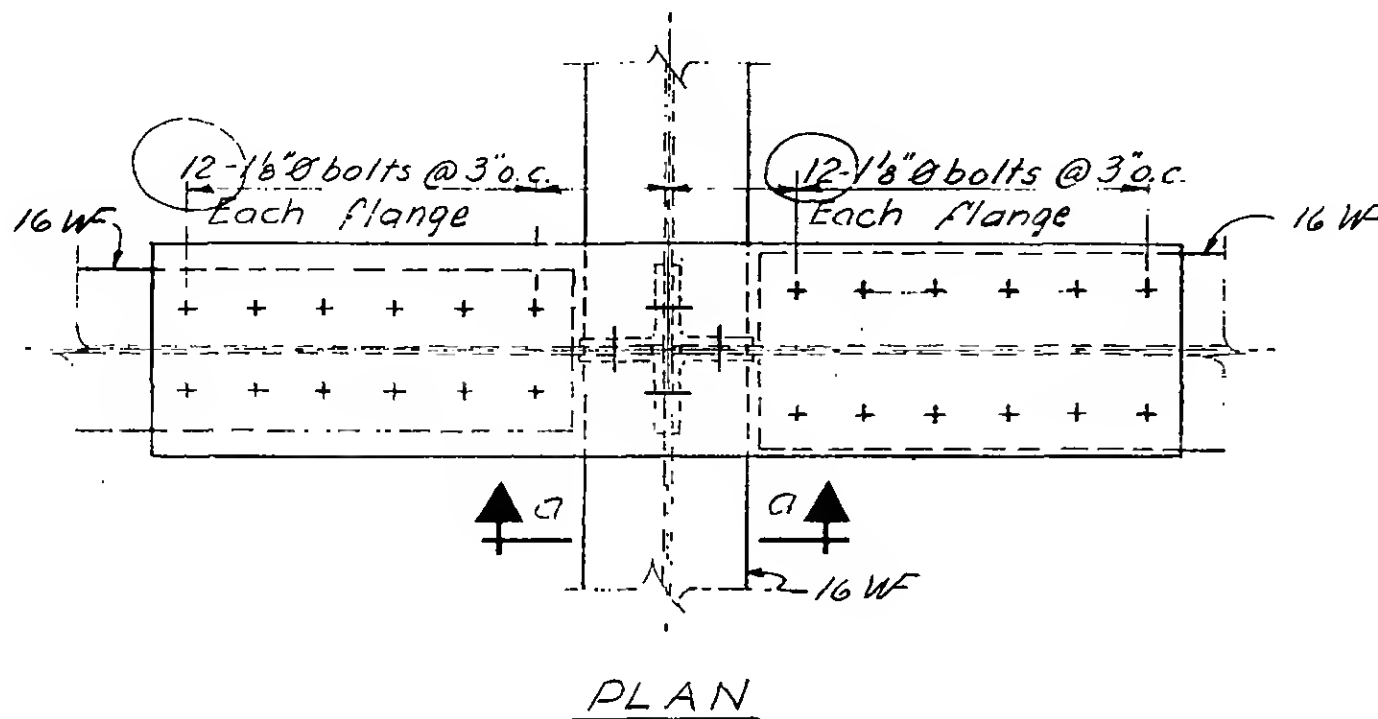
8-5-67

REVISIONS

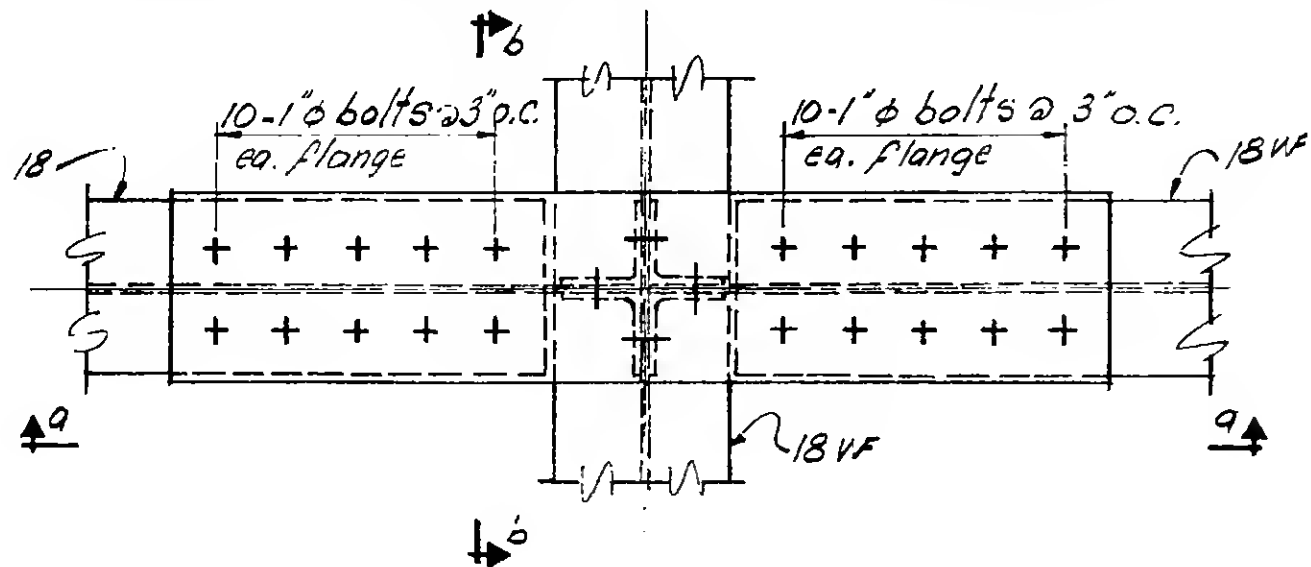
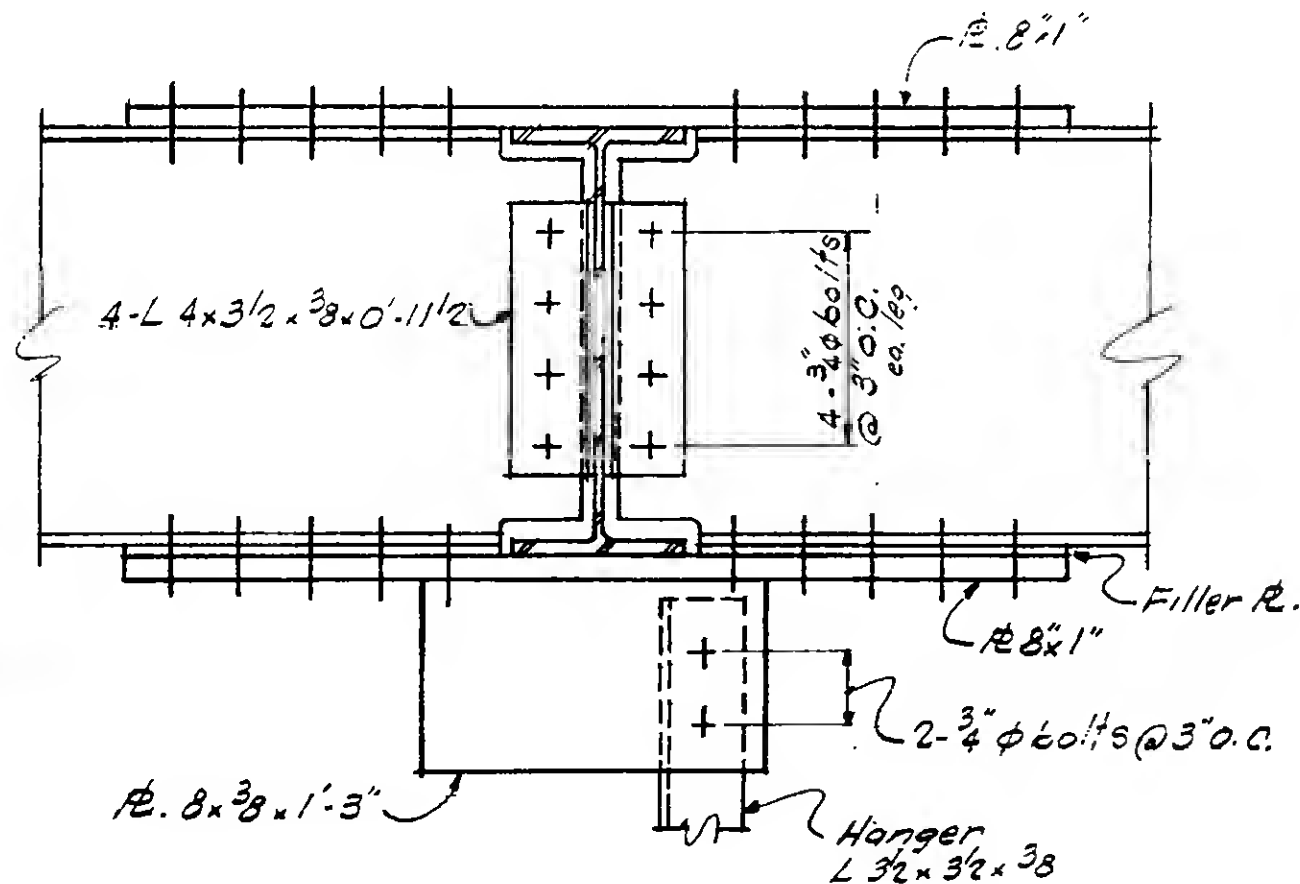
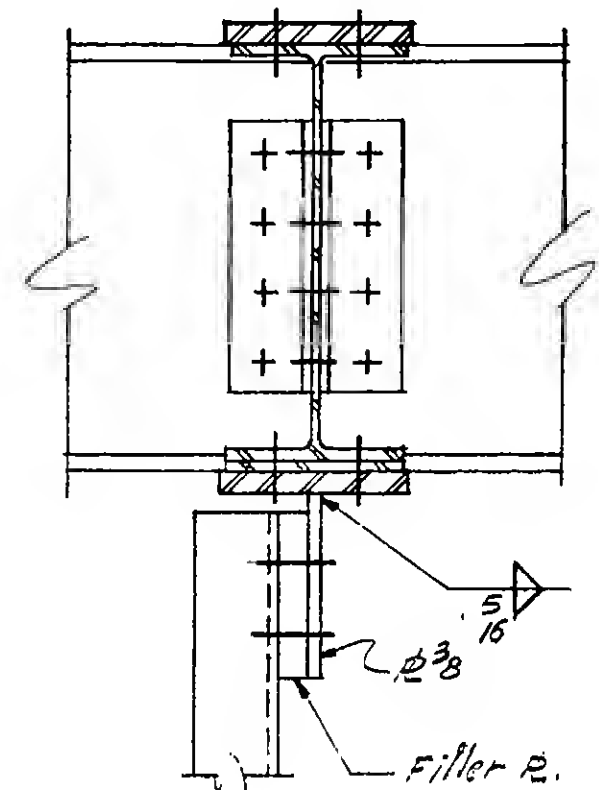
Detail 799Detail 798

REVISIONS

8-14-67

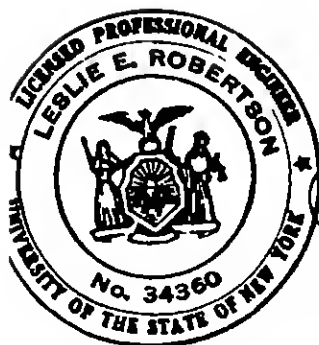
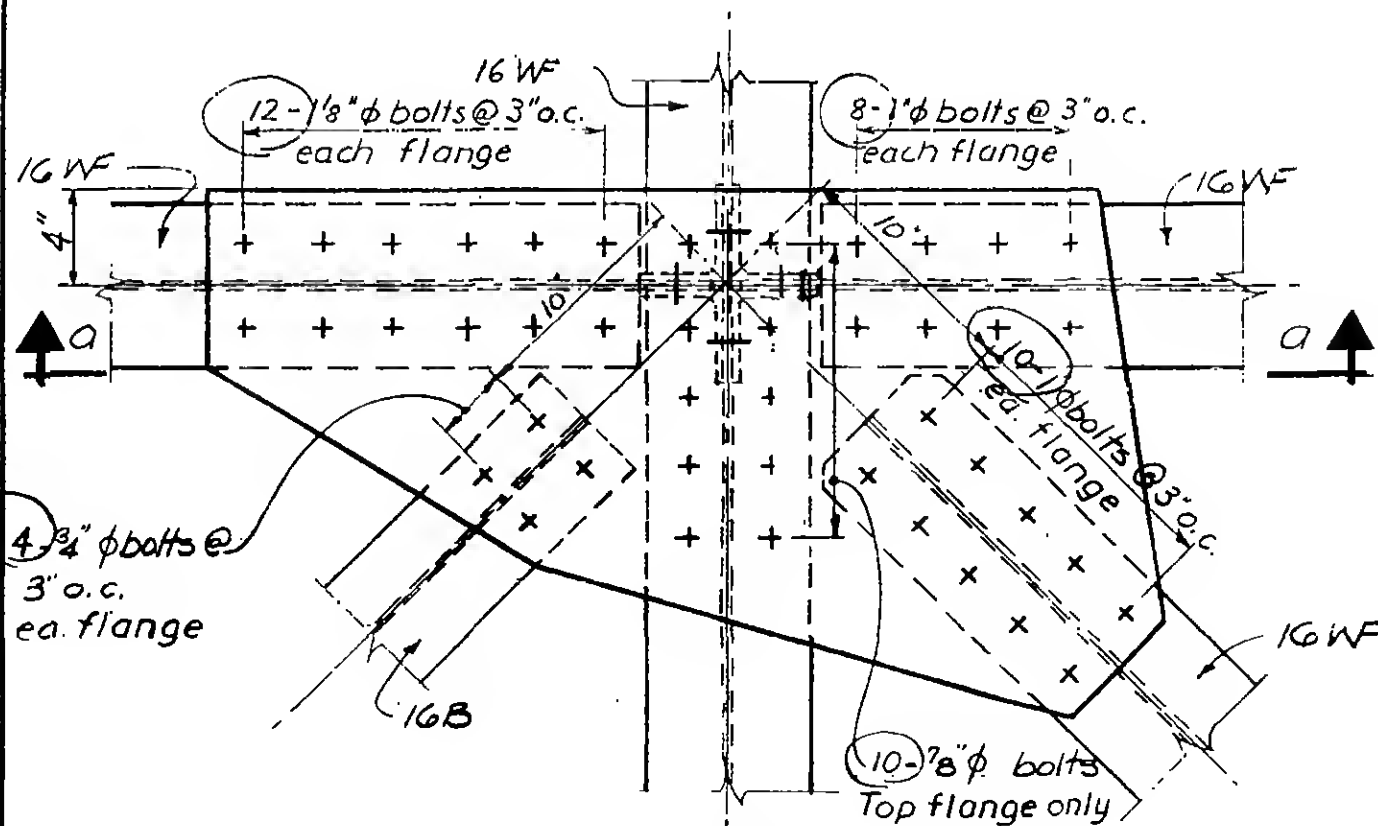
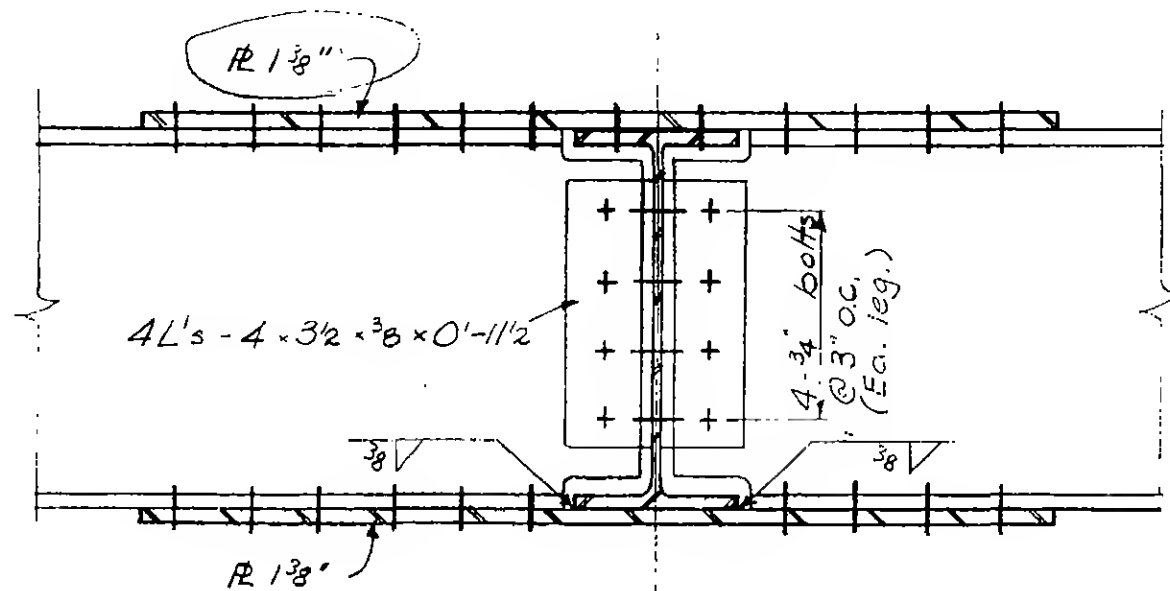


REVISIONS

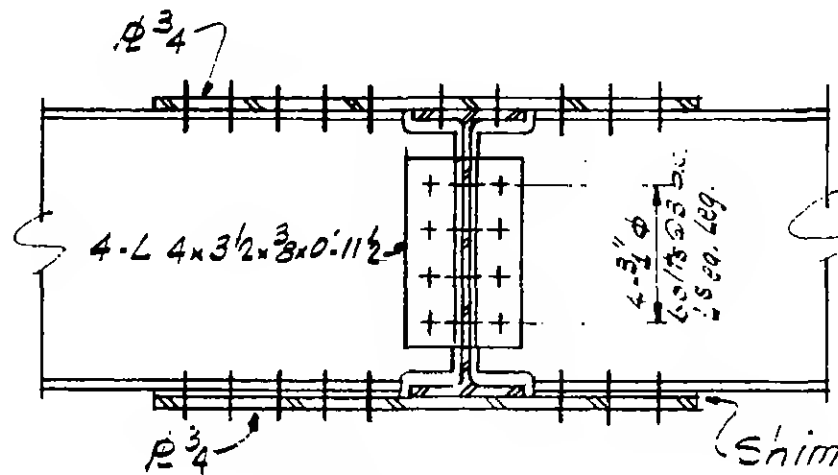
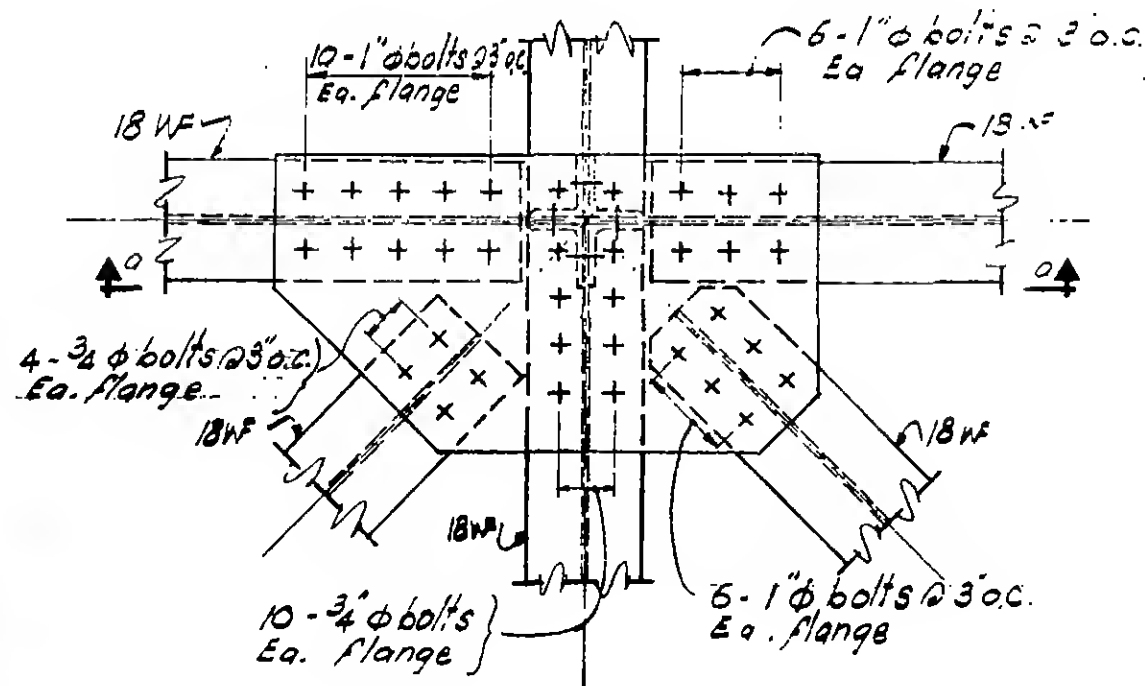
PLANSection a-aSection b-b

REVISIONS

8-14-67

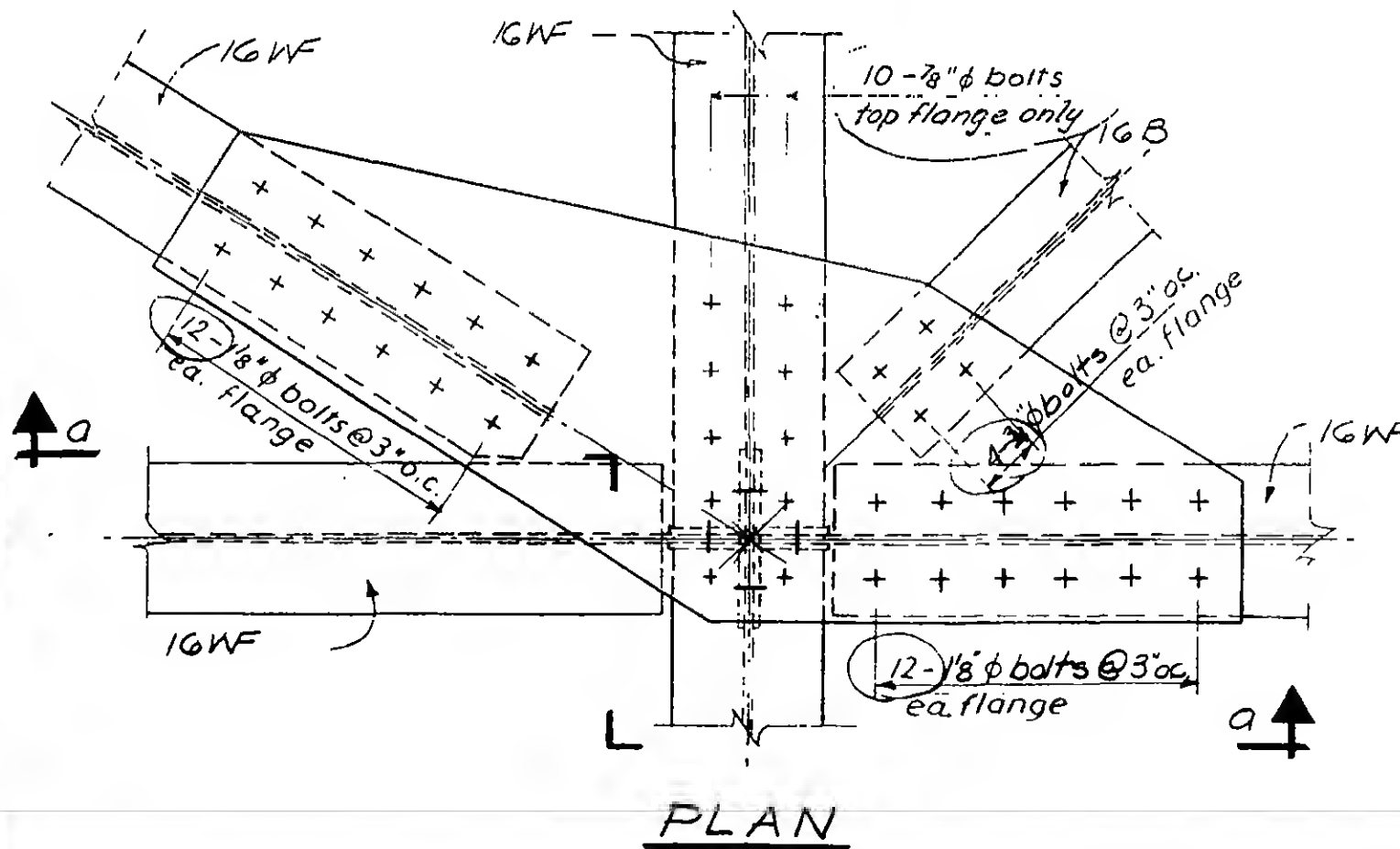
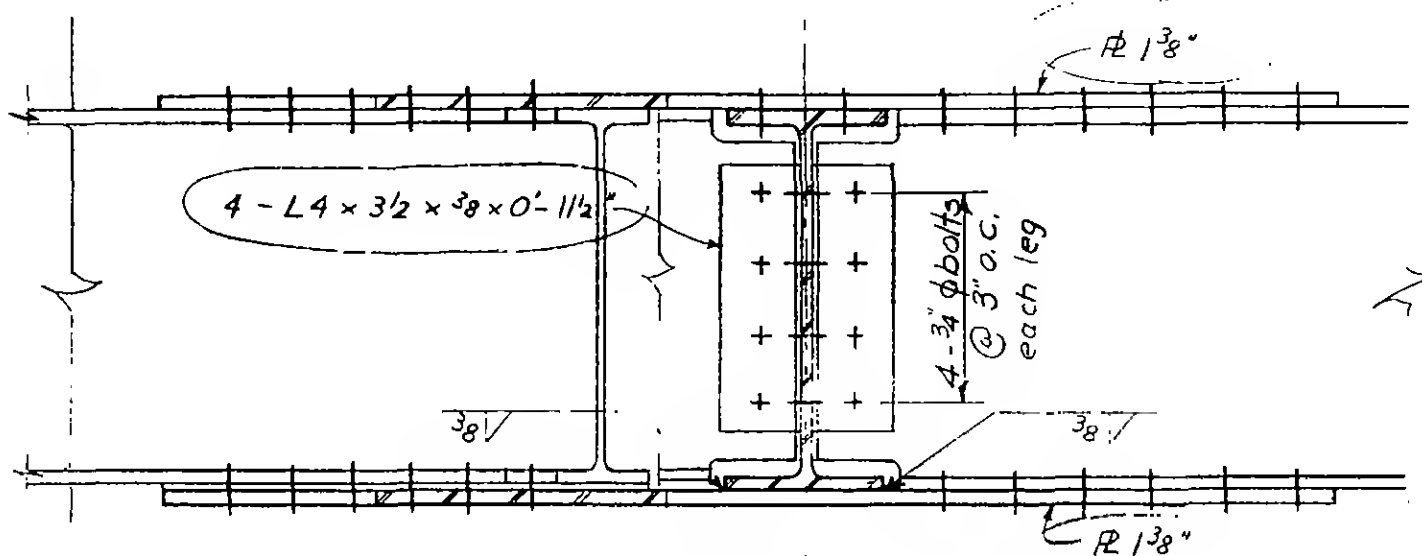


REVISIONS

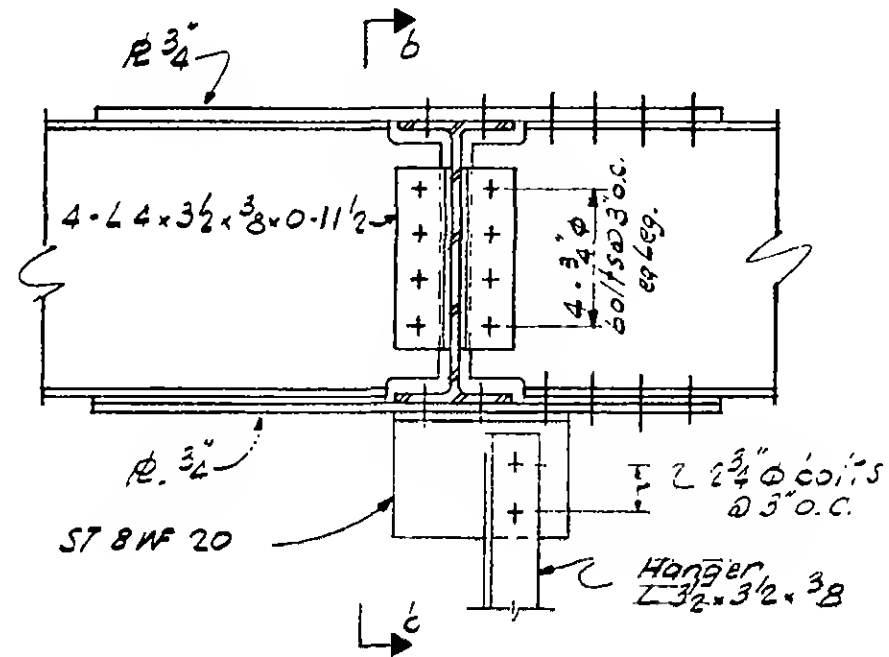
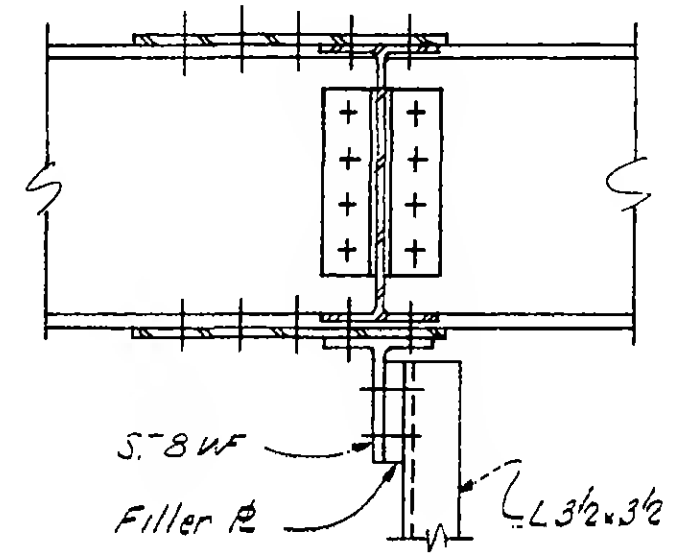
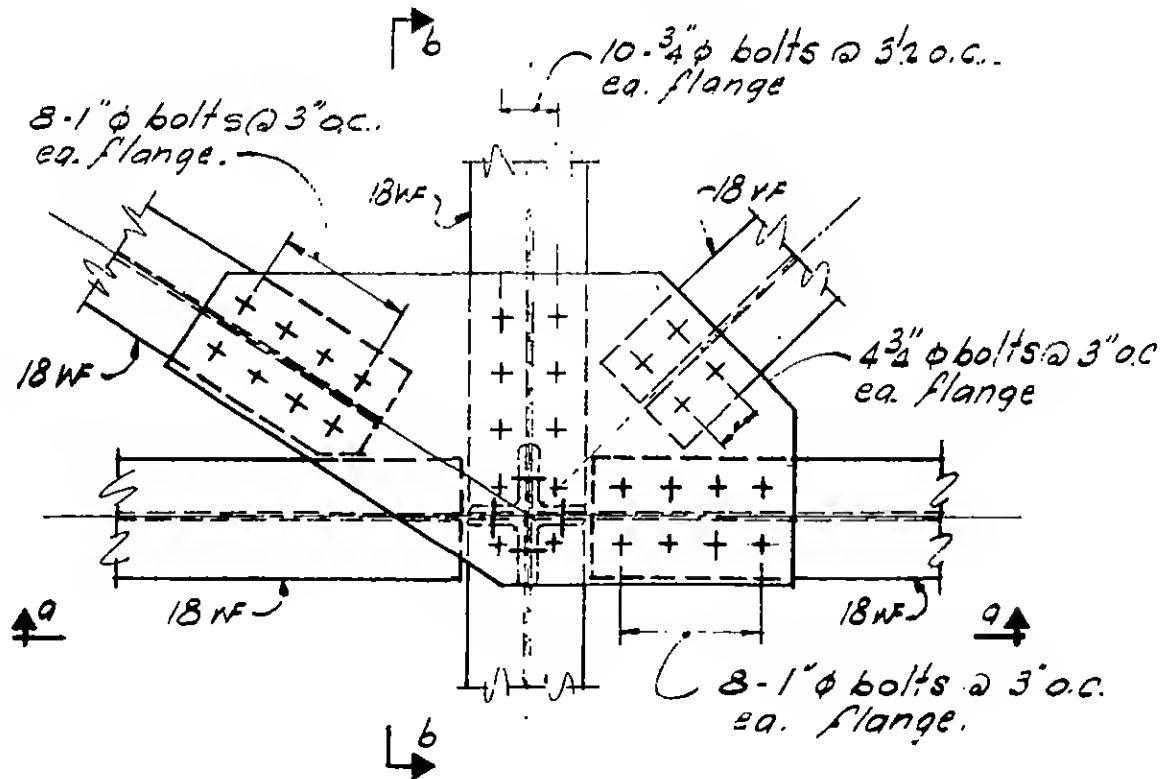
Section a-aPLAN

REVISIONS

8.14.67

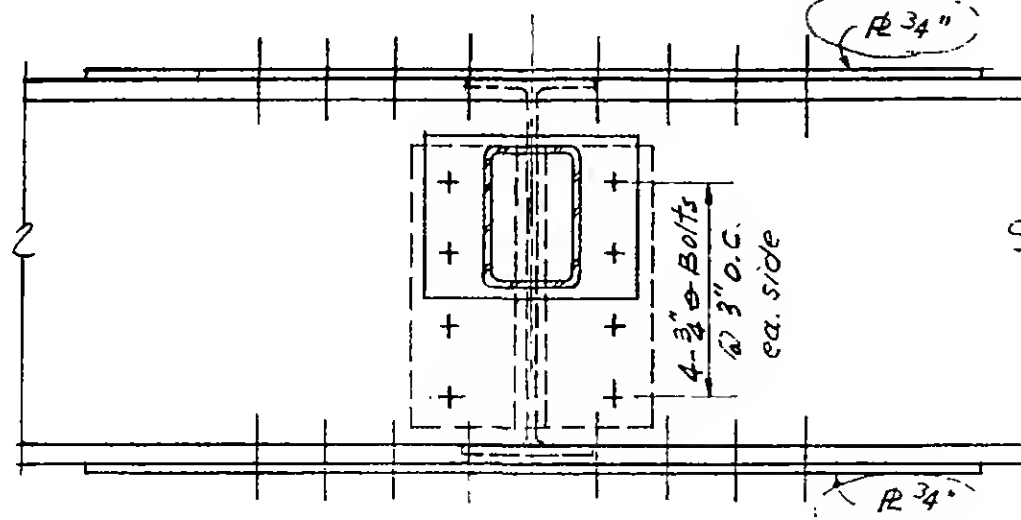


REVISIONS

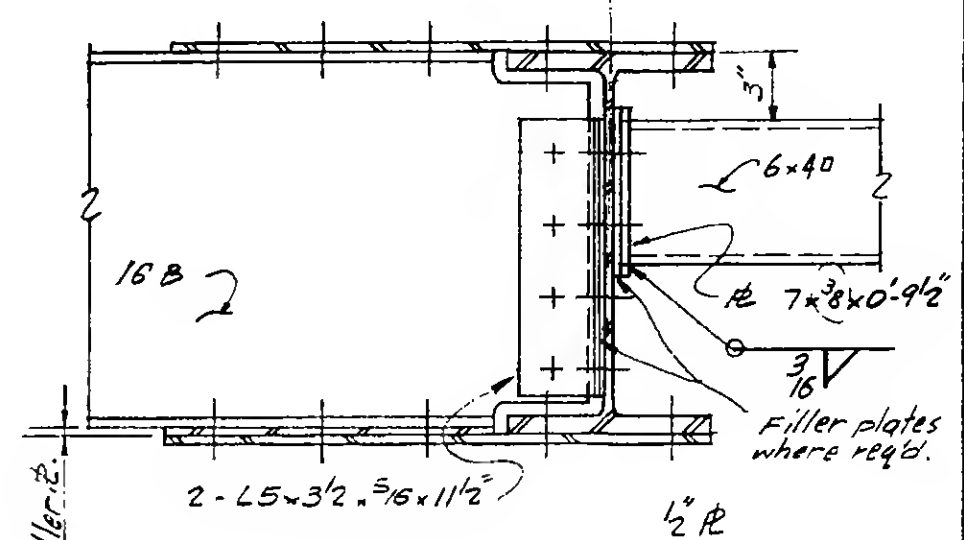
Section a-aSection b-bPLAN

REVISIONS

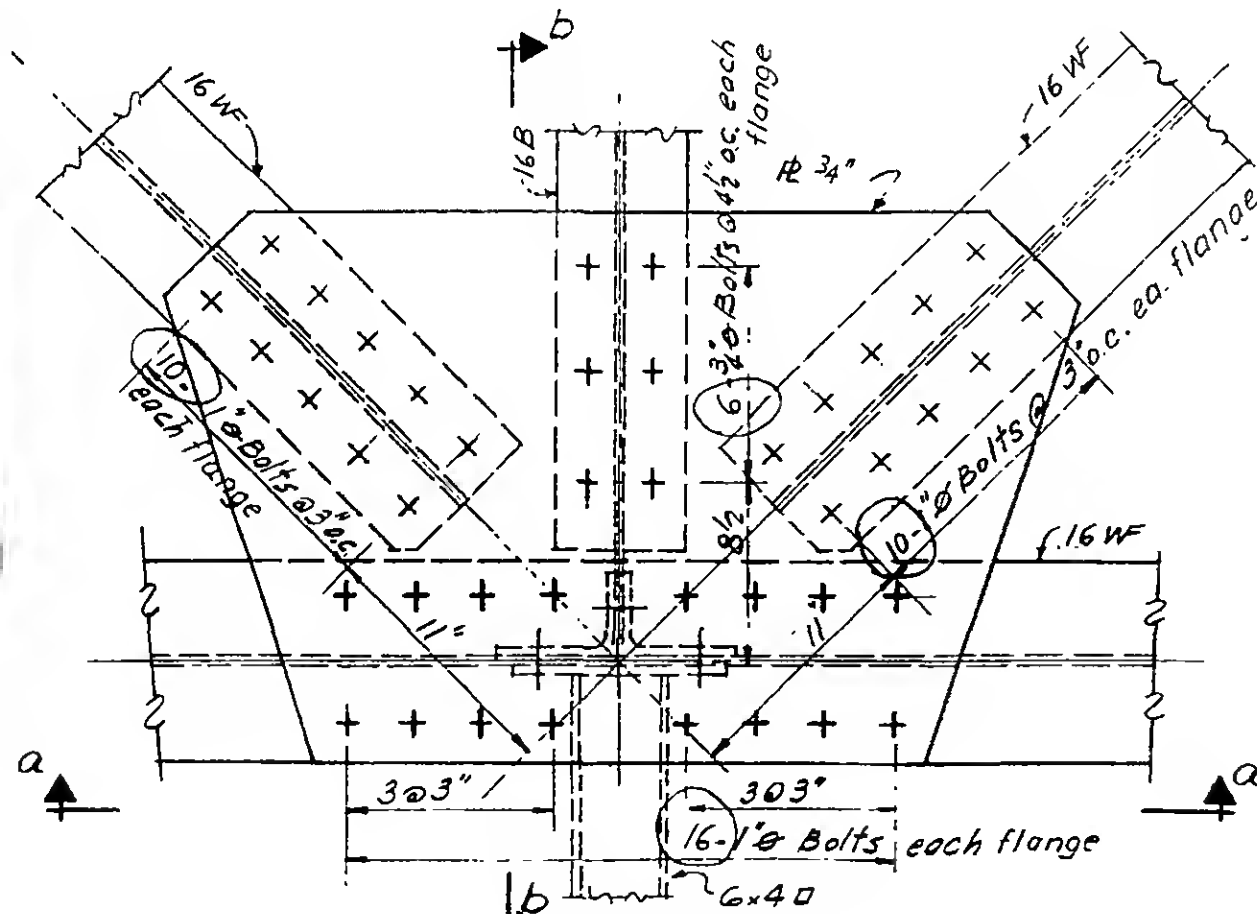
8.14.67



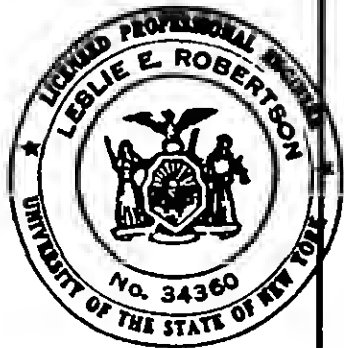
SECTION a-a



SECTION b-b



PLAN

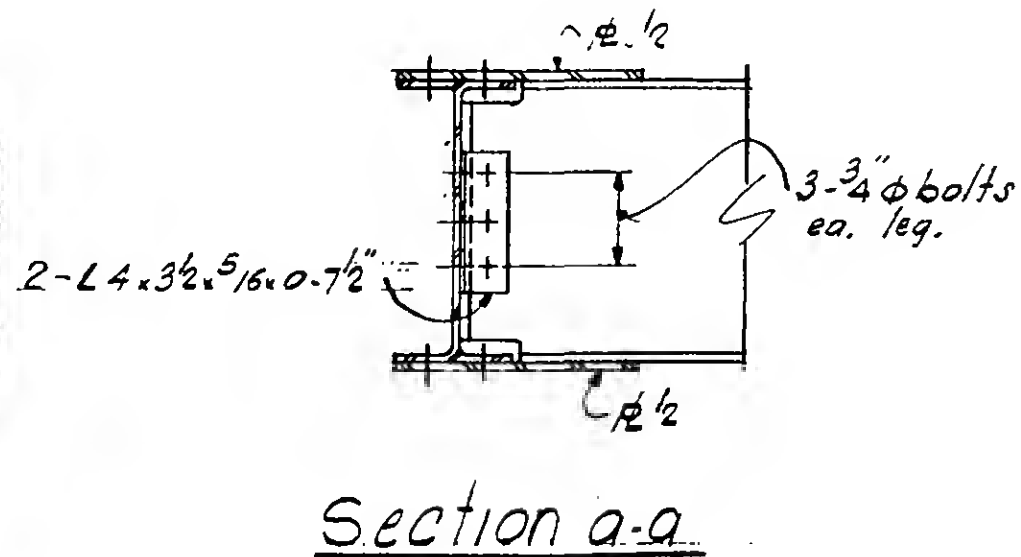
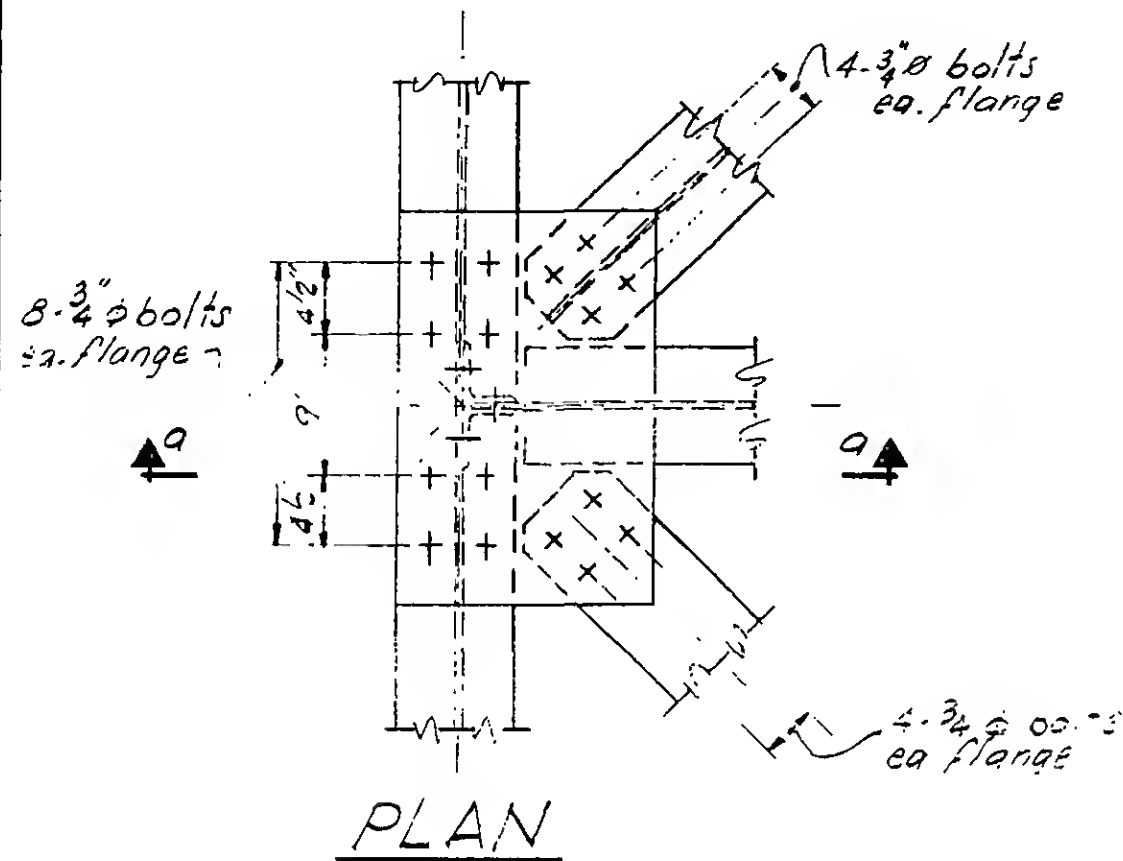


PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 803 A & C

DATE 8-14-67

REVISIONS



Note:

Detail 803A - All beams 16 WF

Detail 804C - All beams 18 WF

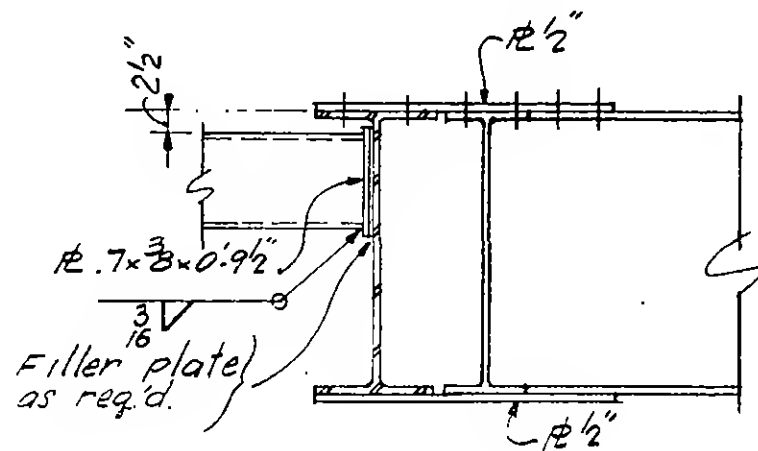
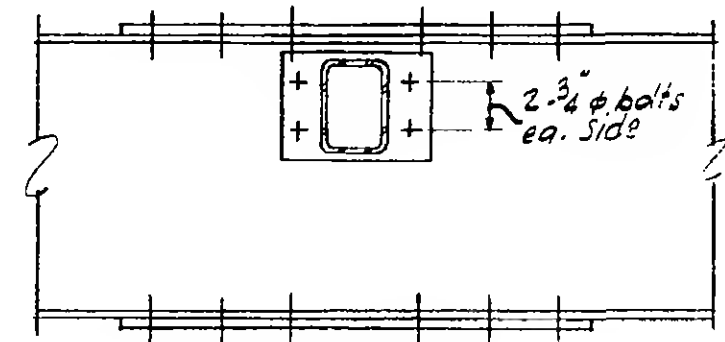
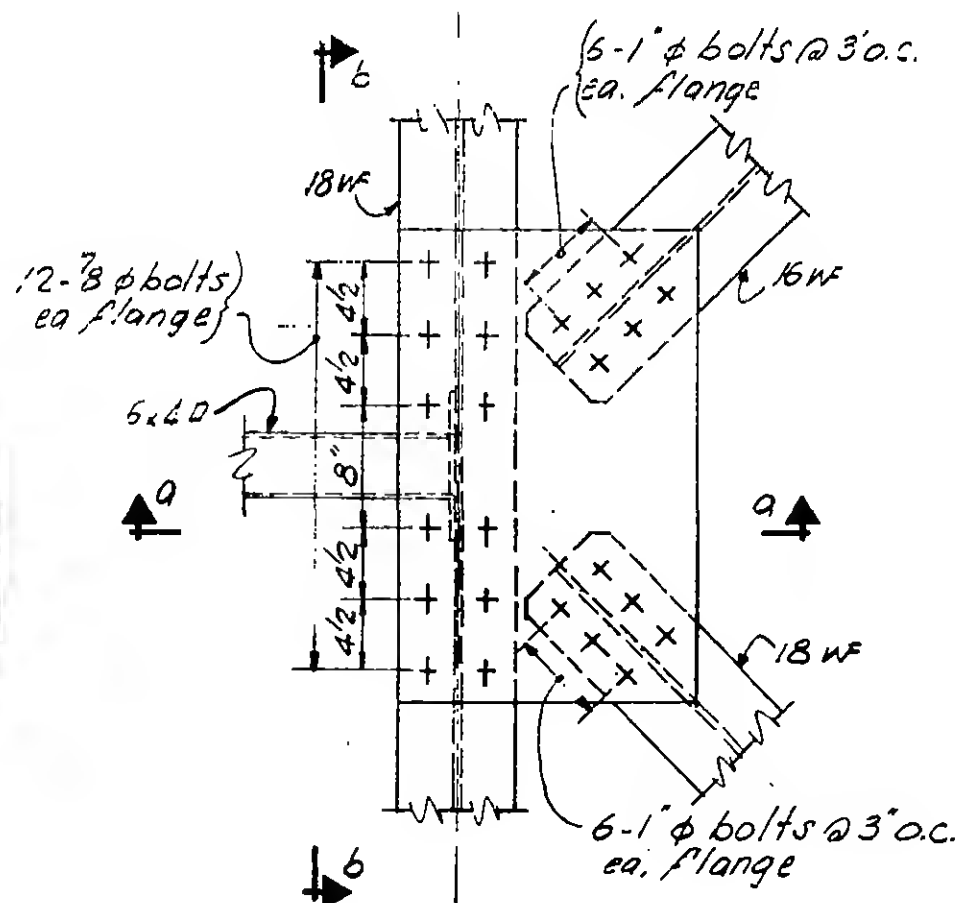


PROJECT THE WORLD TRADE CENTER

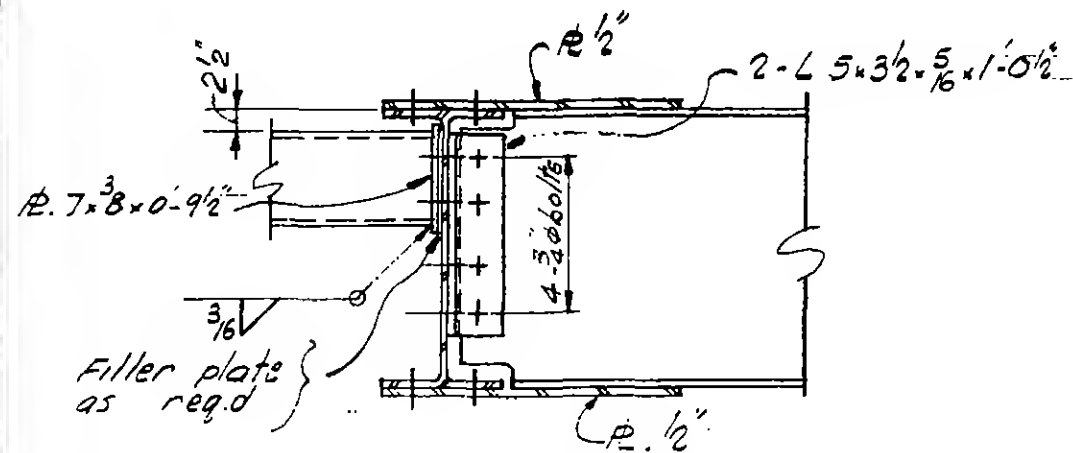
TITLE CONNECTION DETAIL 803.D

DATE 8-14-67

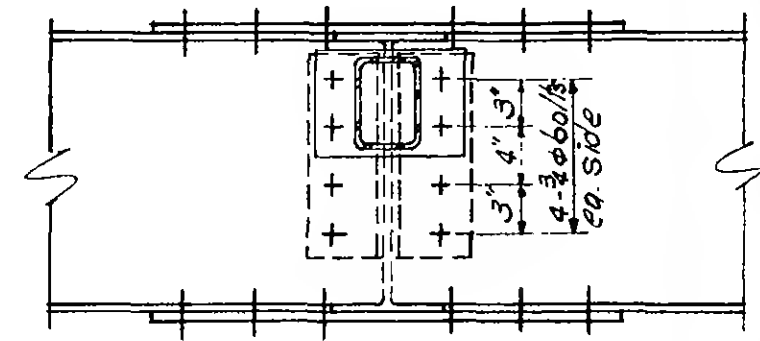
REVISIONS

Section a-aSection b-bPLAN

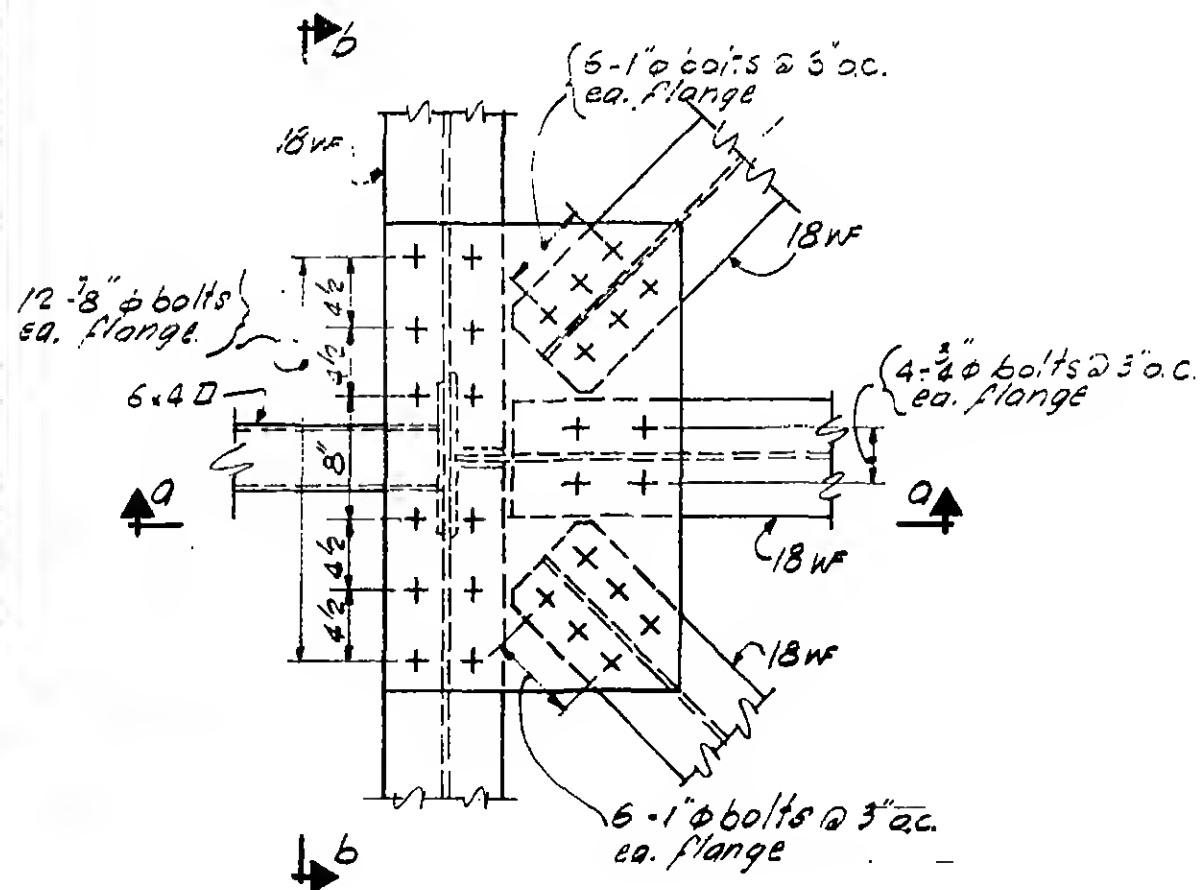
REVISIONS



Section a-a



Section b-b



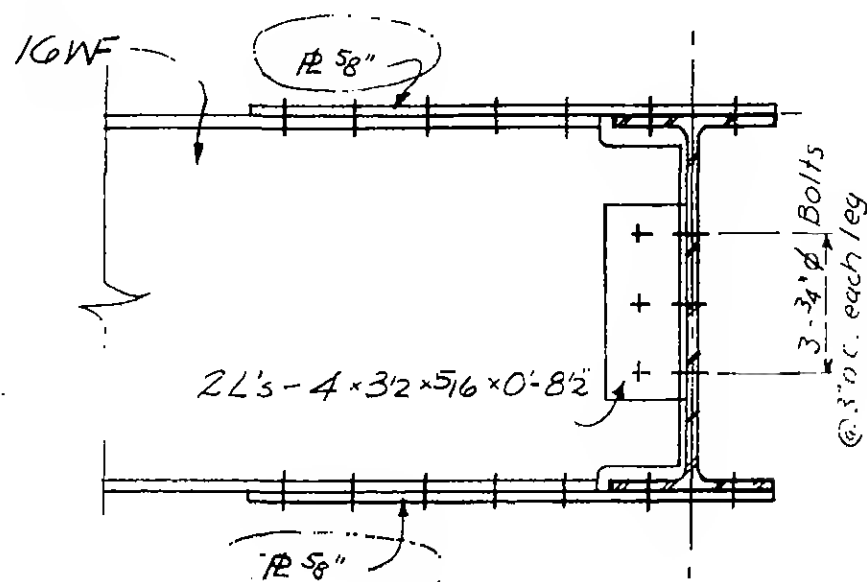
PLAN



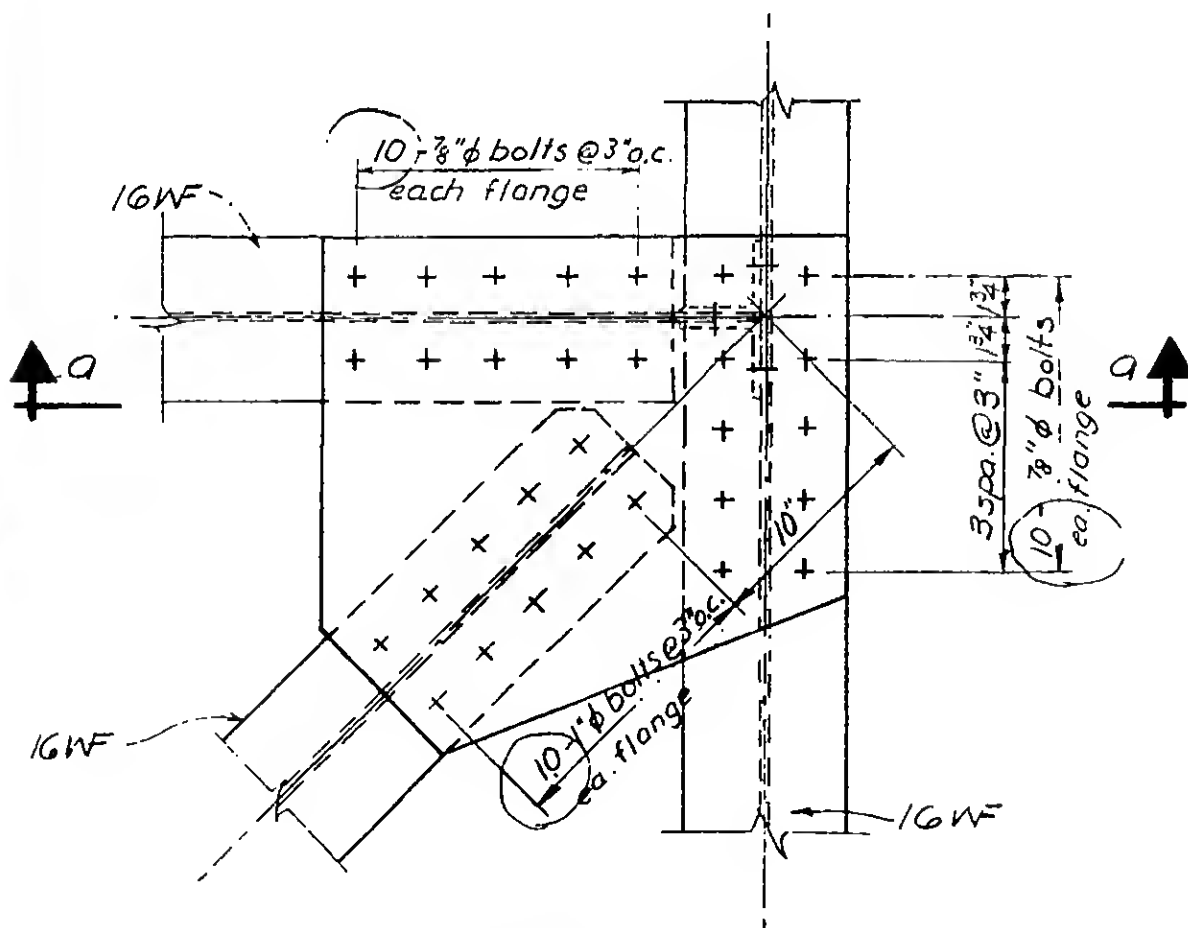
6-AB1-309.3

REVISIONS

8.14.67



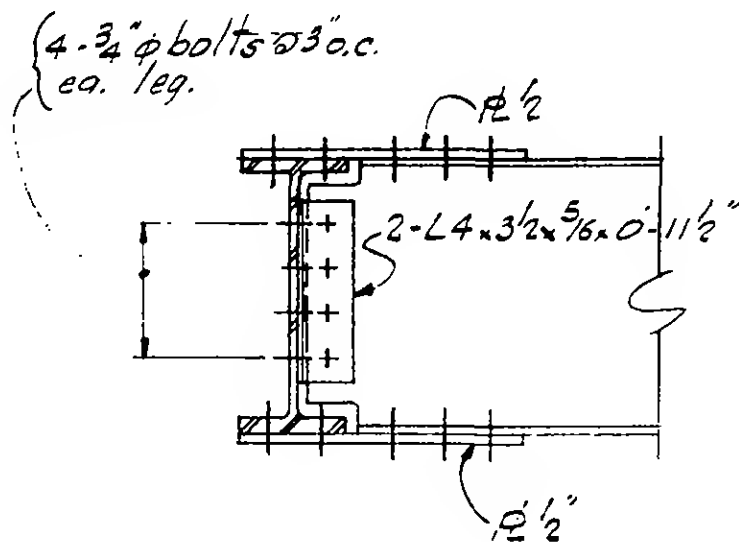
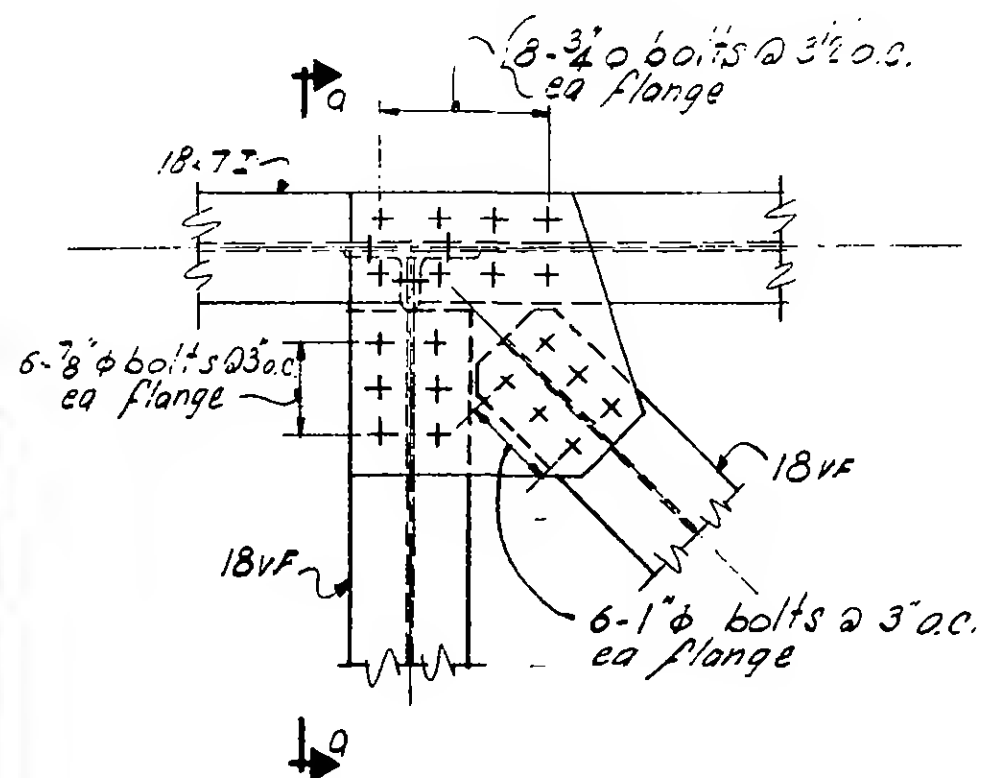
SECTION a-a



PLAN



REVISIONS -

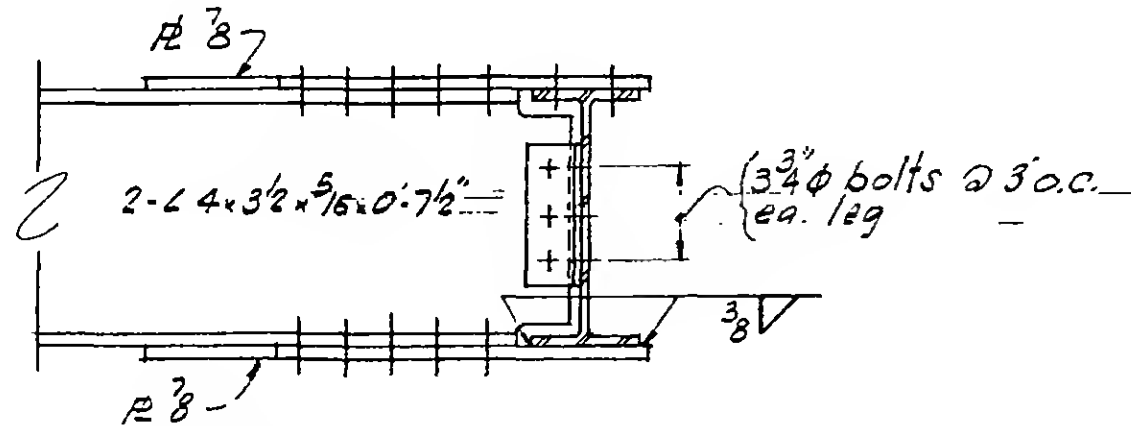
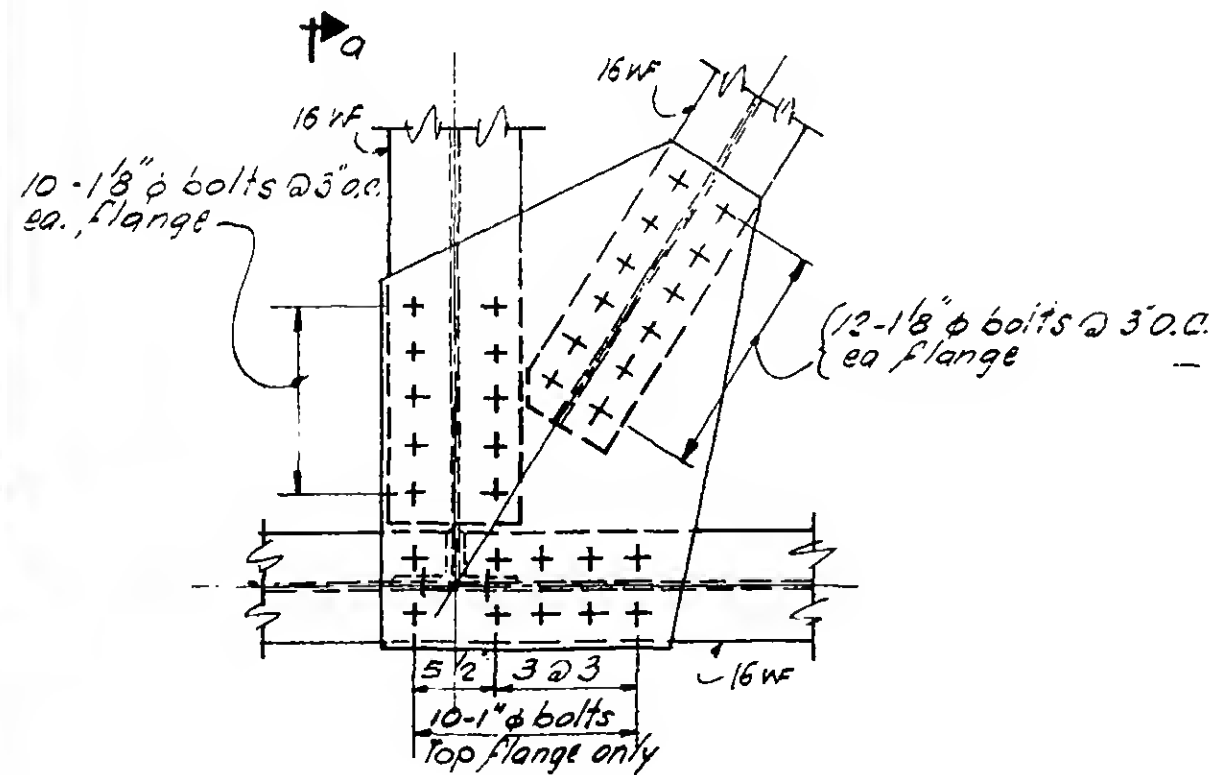
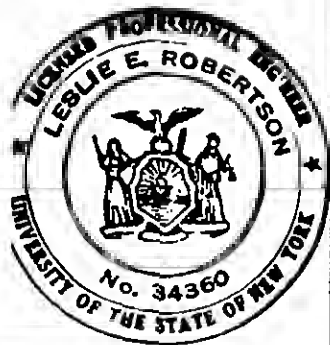
Section a-aPLAN

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 804 C

DATE 8-14-67

REVISIONS

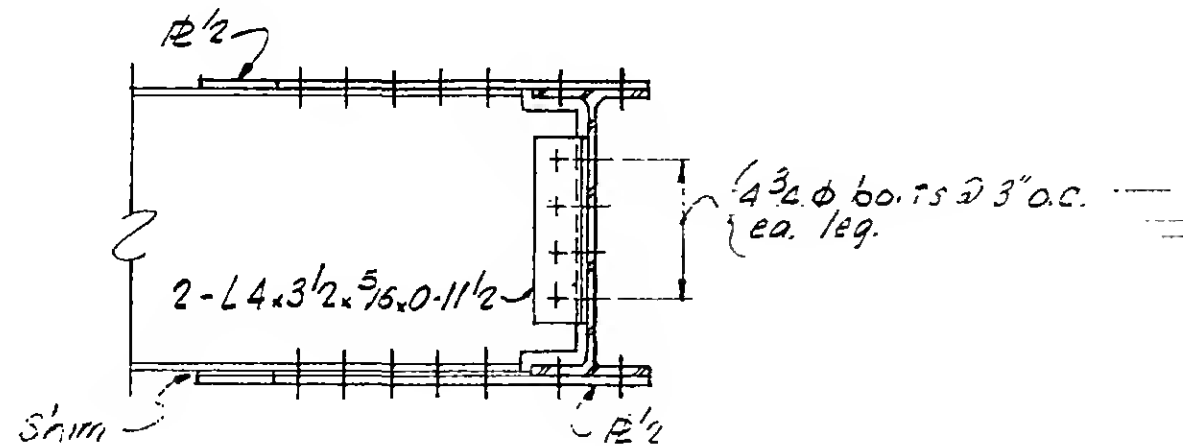
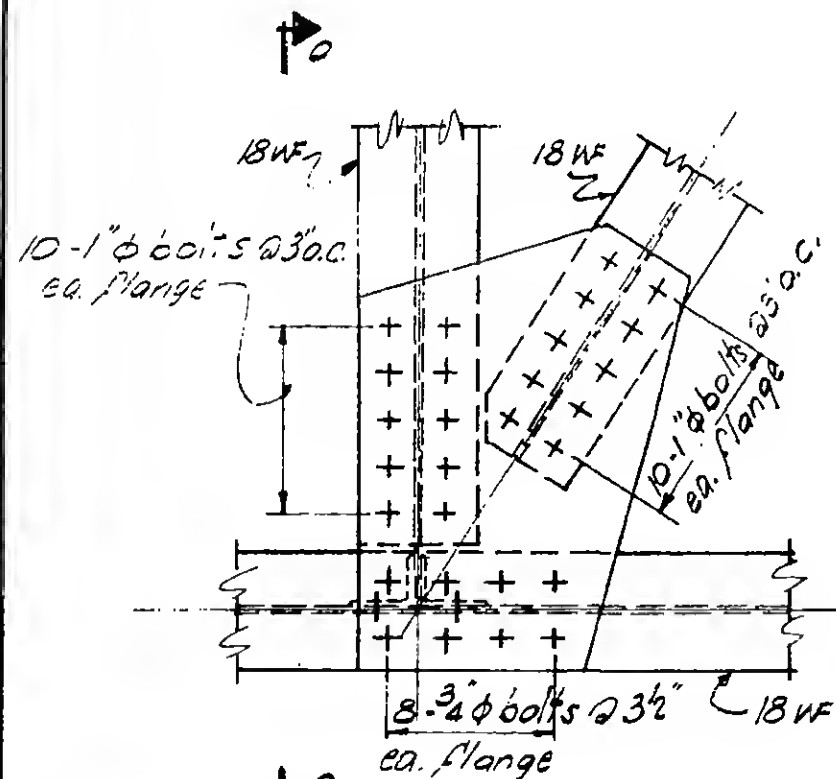
Section a-aPLAN

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 804D

DATE 8-14-67

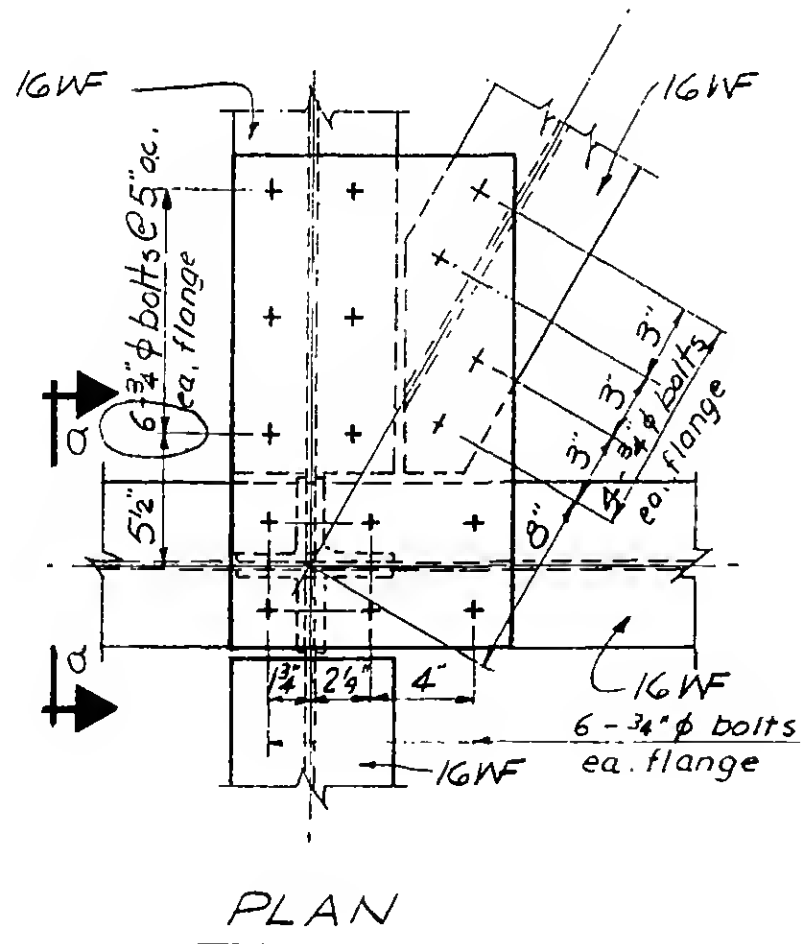
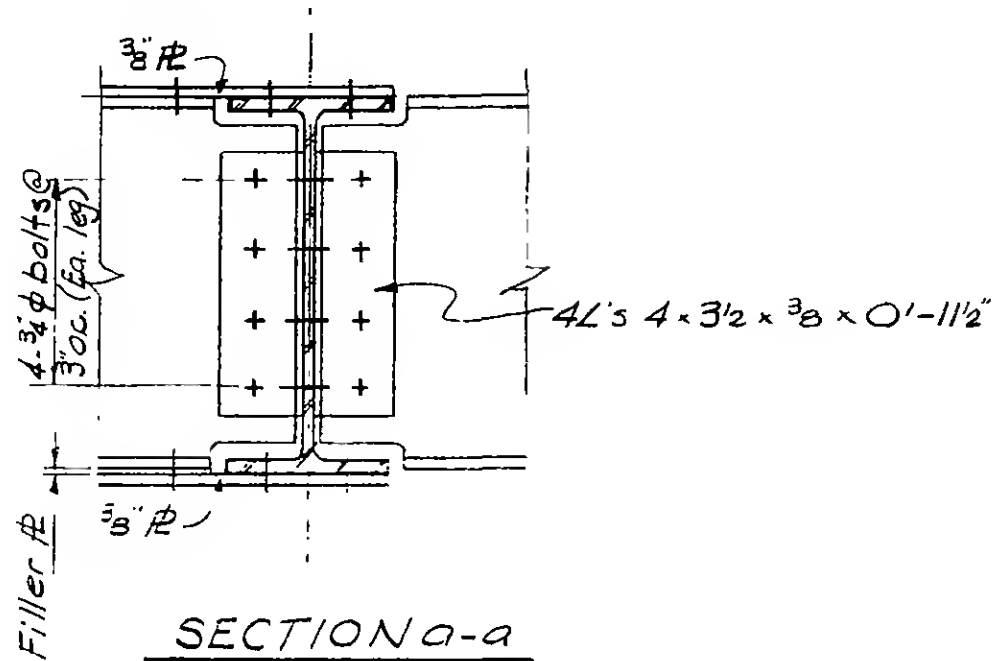
REVISIONS

Section a-aPLAN

6-AB1-310.3

REVISIONS

8.14.67

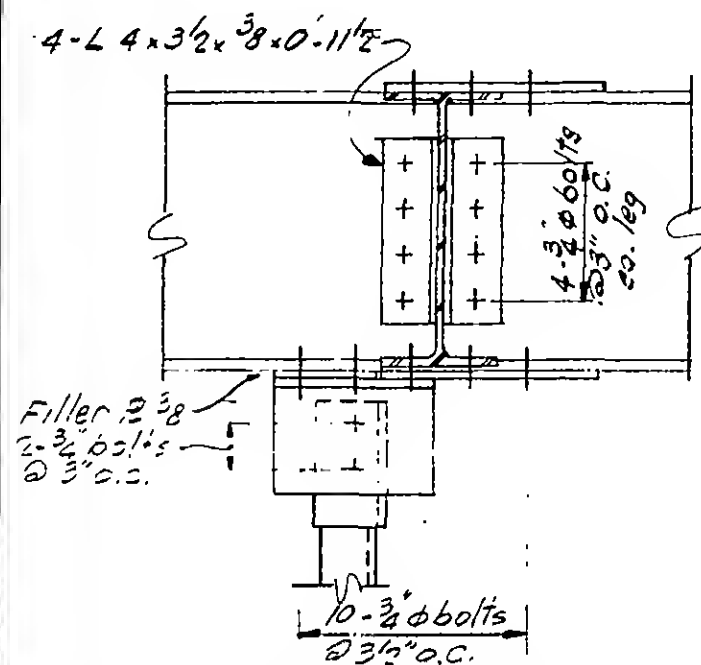
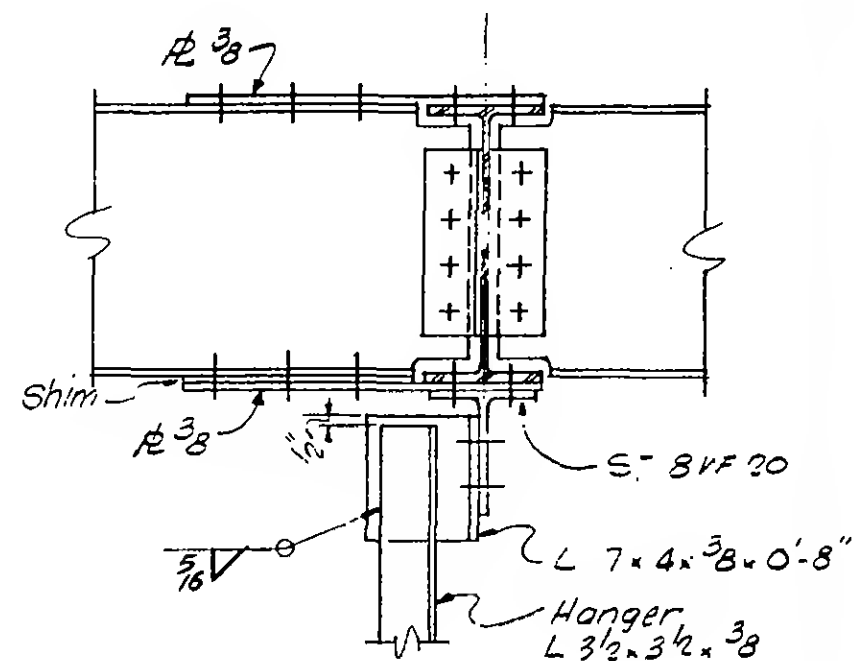
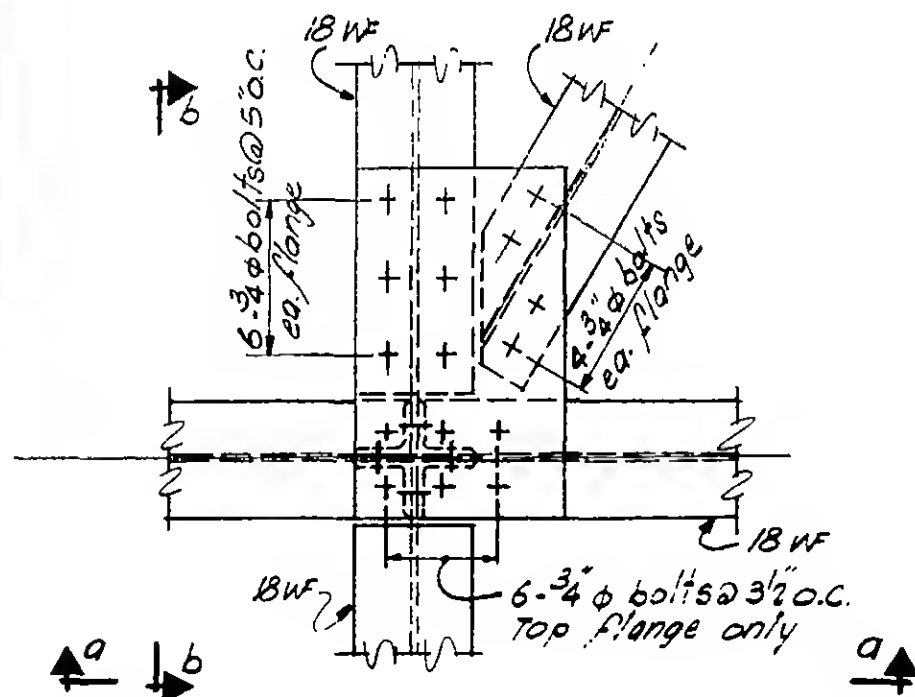


PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 805 B

DATE 8-14-67

REVISIONS

Section a-aSection b-bPLAN

PROJECT THE WORLD TRADE CENTER

TITLE CONNECTION DETAIL 806 A & C

DATE 6-19-67

REVISIONS

8-14-67
9-29-67

See detail: 235B
6-ABI-42

Cope top flange
806.c only

2 col.

2 col.

Note:

Detail 806 A - All beams 16 WF
Detail 806 C - All beams 18 WF

See detail: 205 H, 6-ABI-9.4
812 A, 6-AB5-10
813 A, 6-AB5-11

4-3/4" bolts
ea. flange

4-1" bolts
ea. flange

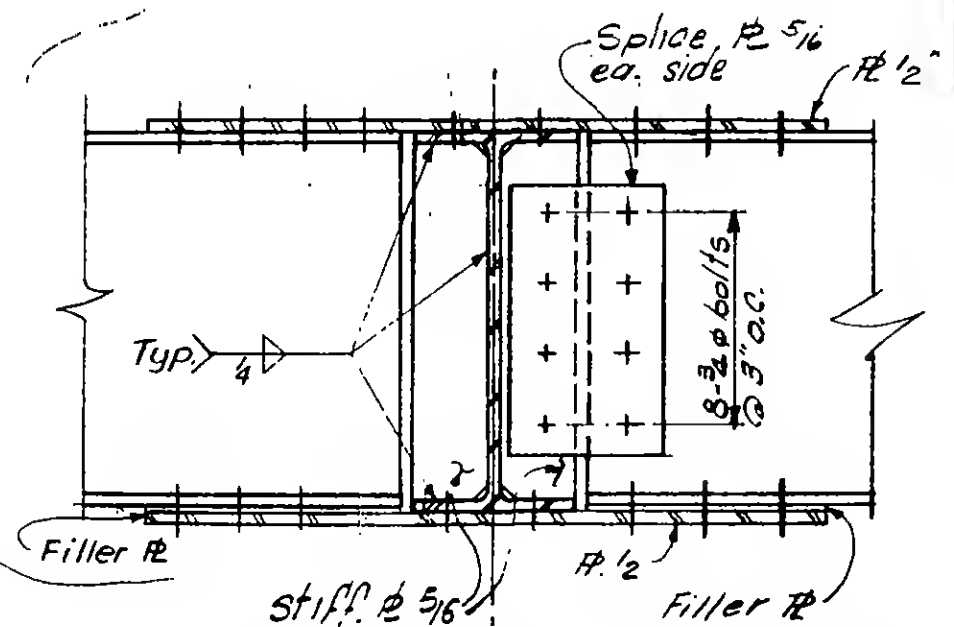
2-3/4" bolts
ea. flange

Cut gusset plate

6-3/4" bolts
ea. flange

a

PLAN



SECTION a-a

6-ABI-312



PROJECT

THE WORLD TRADE CENTER

TITLE

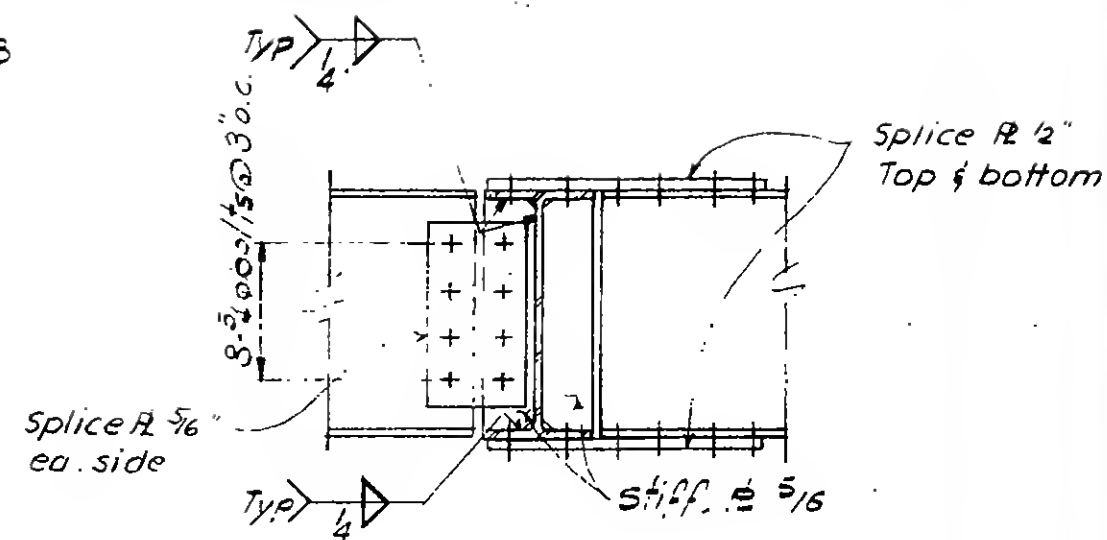
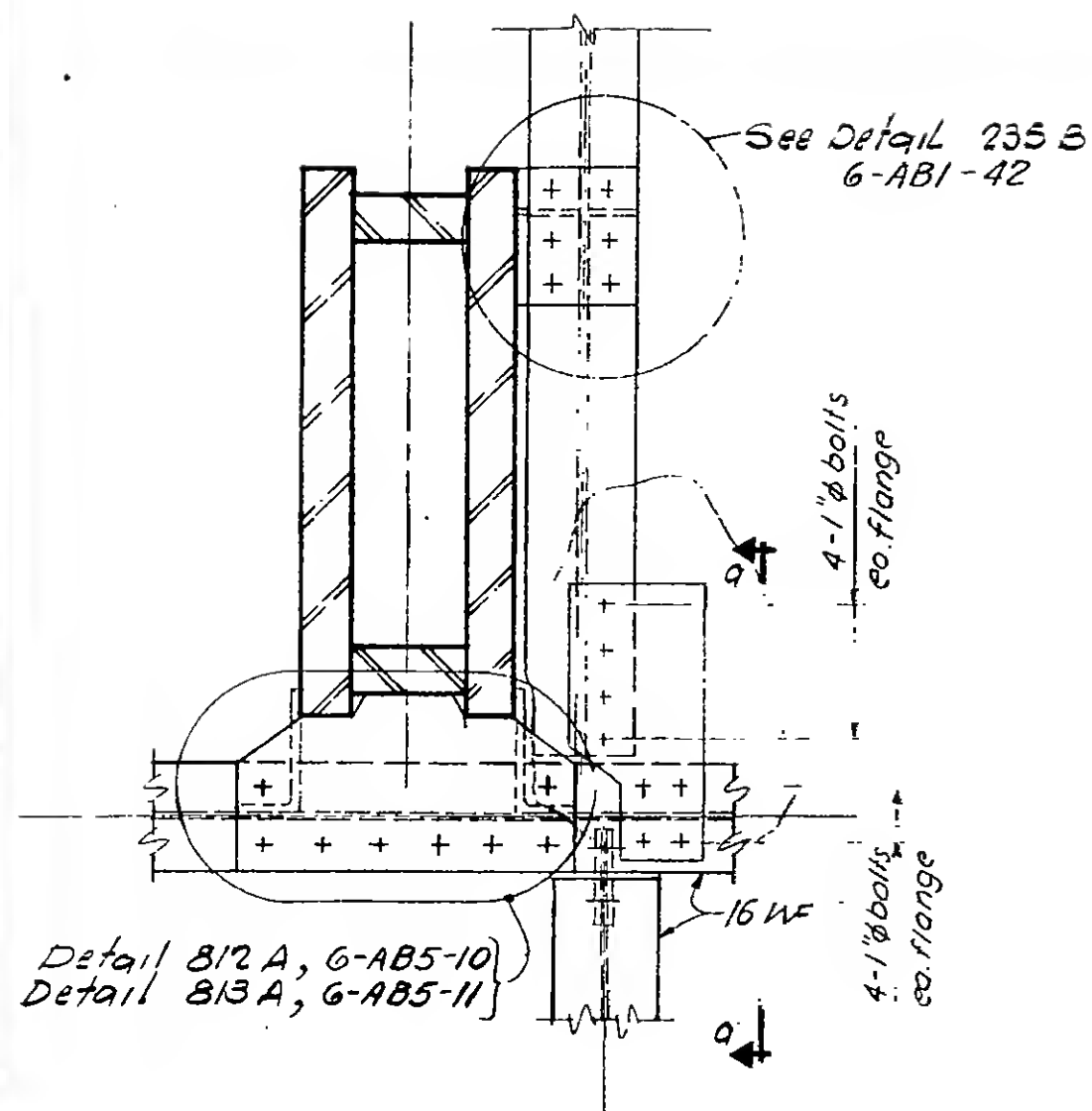
CONNECTION DETAIL 806 B

DATE

8.14.67

REVISIONS

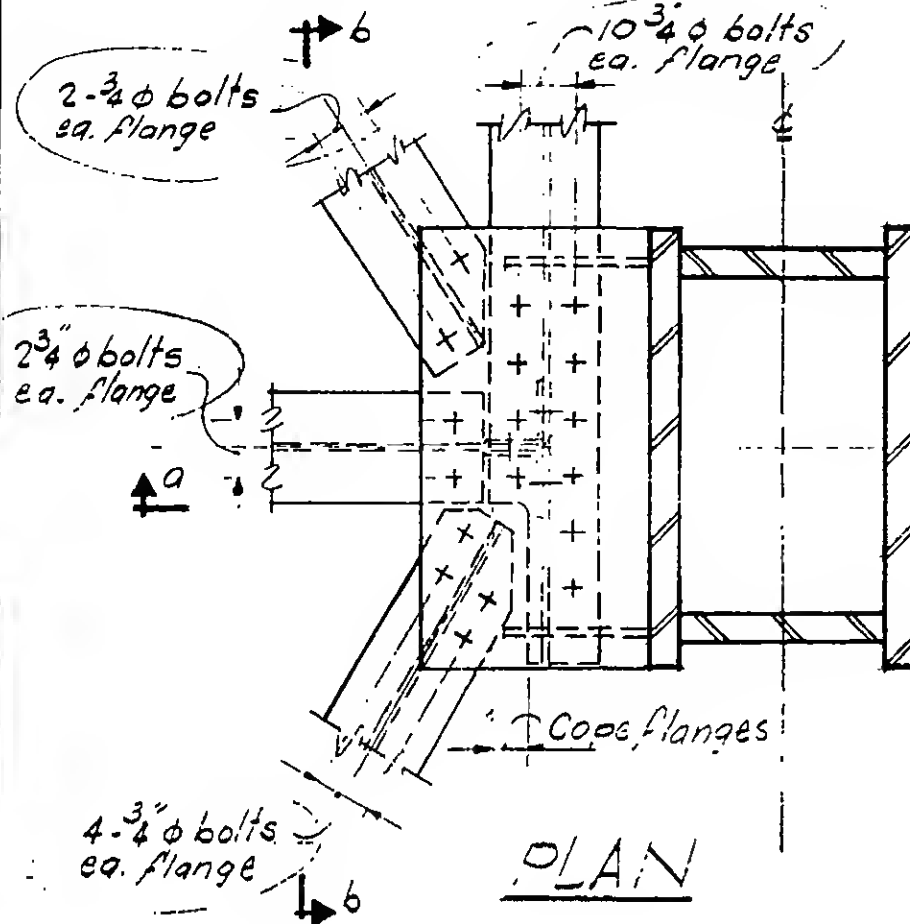
9-29-67



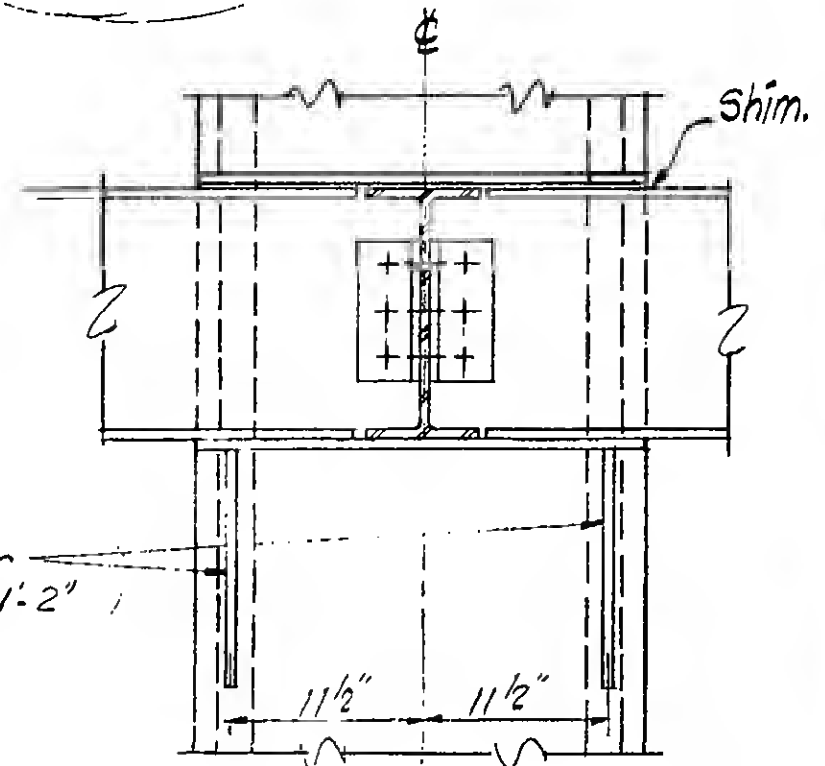
6-ABI-312.1

REVISIONS

8-14-67

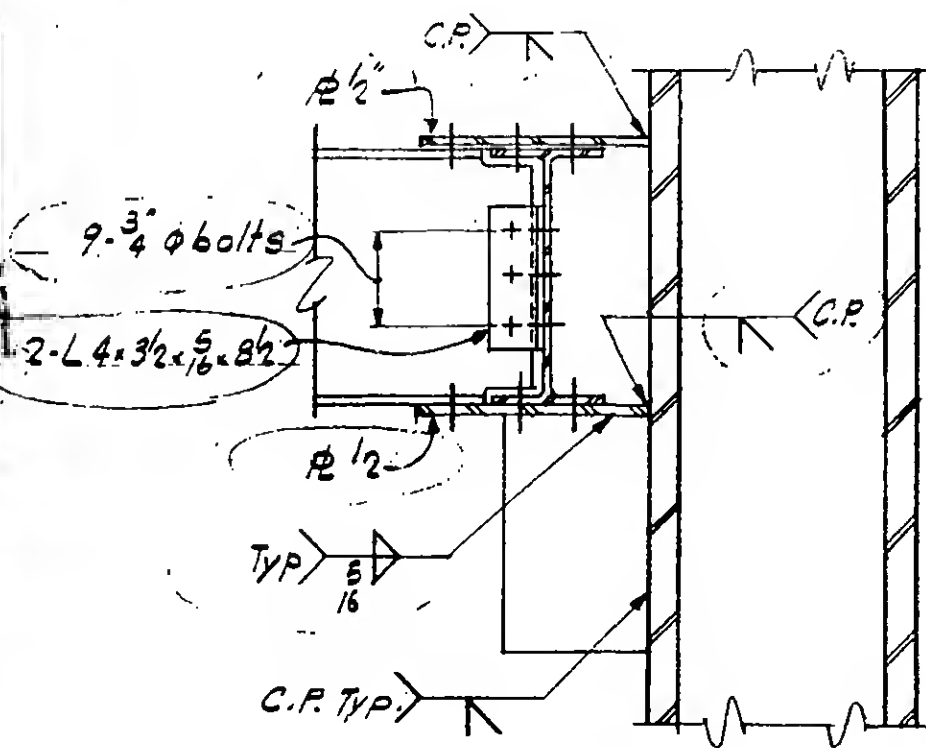


Stiffener
R. 9x58x1'-2"



Section b-b

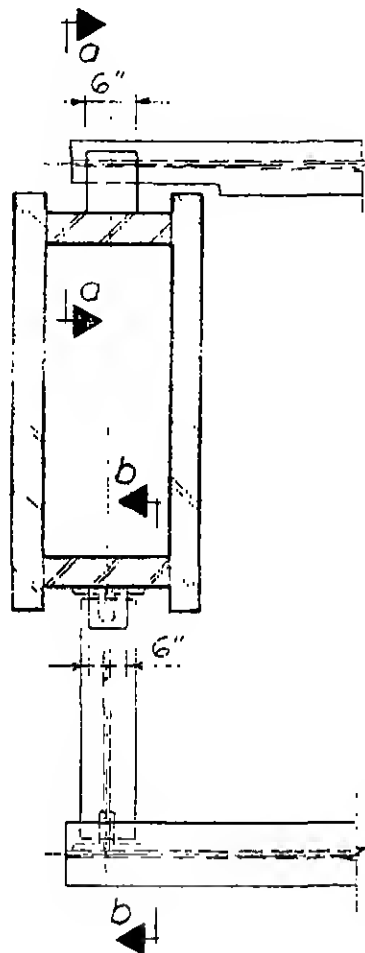
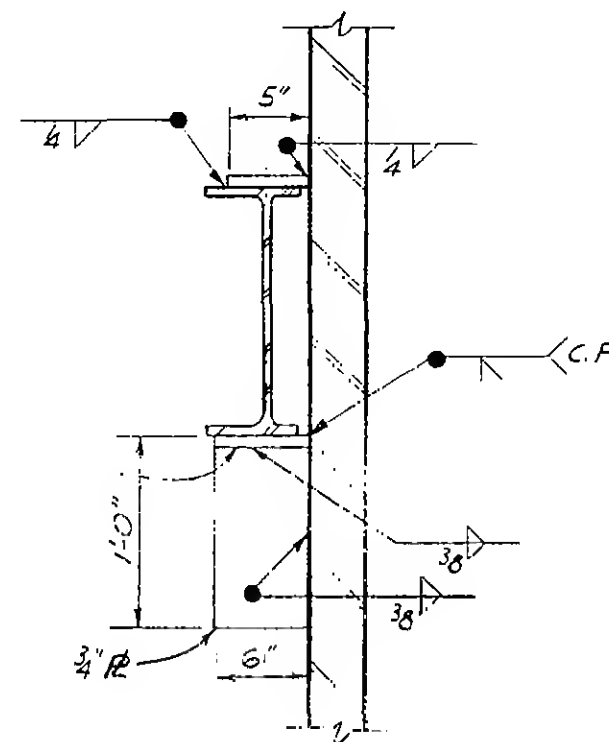
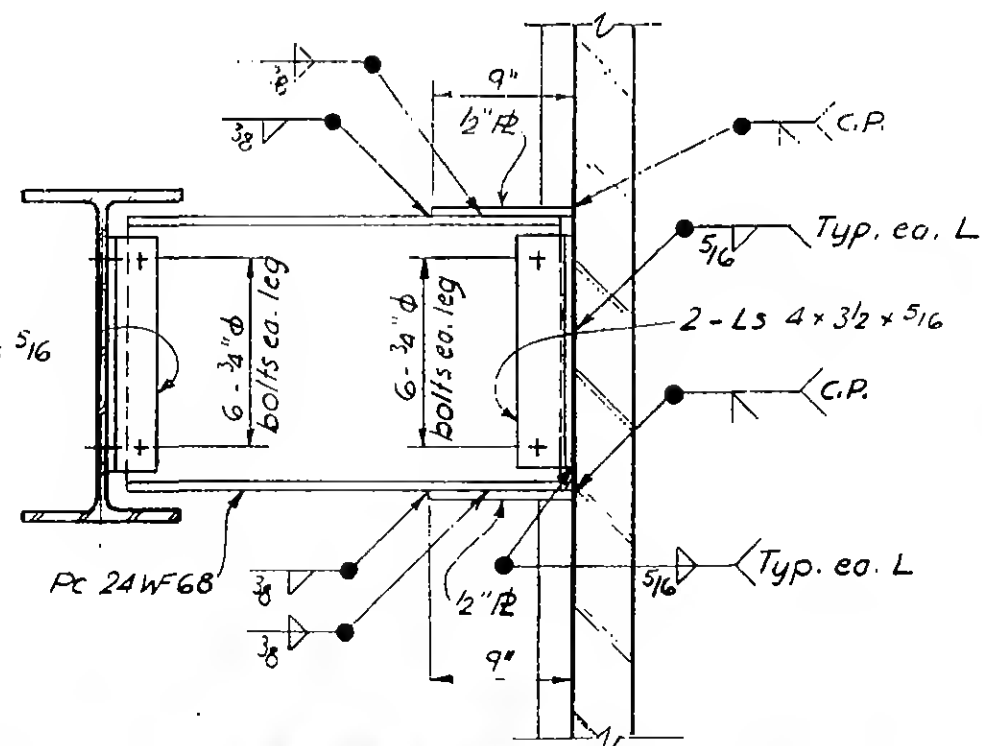
Note:
All beams 16 WF in Det. 807A
All beams 18 WF in Det. 807B



Section a-a



REVISIONS

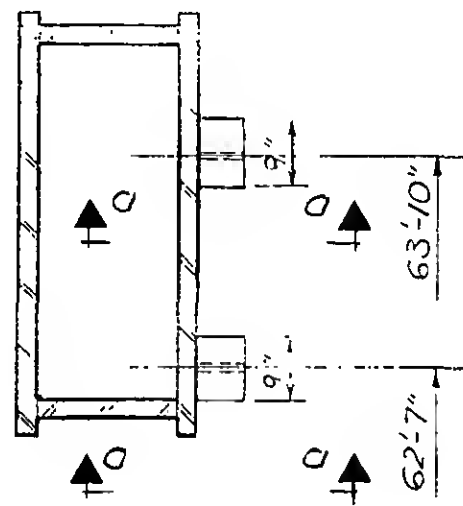
Plan
 $\phi \frac{3}{4} \times 6 \times 6$
Section a-a
 $2-Ls 4 \times 3\frac{1}{2} \times \frac{5}{16}$
Section b-b

DESIGNED

DRAWN

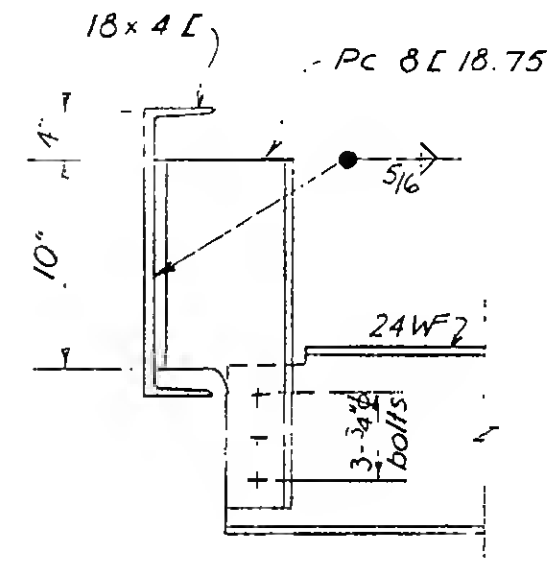
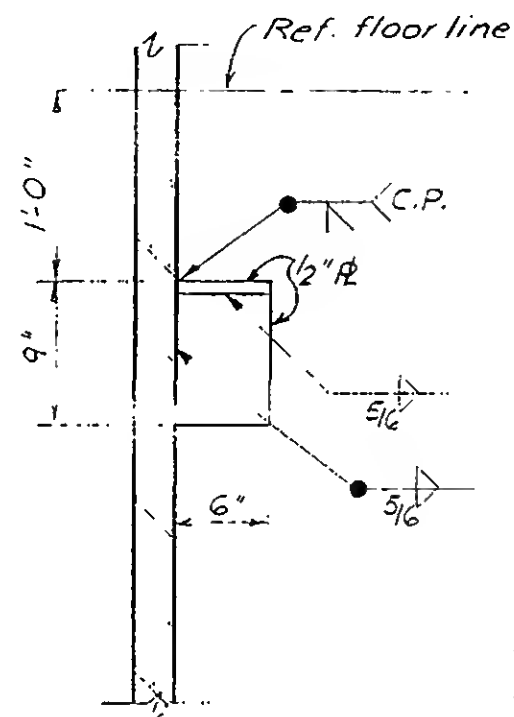
REVIEWED

REVISIONS



Section a-a

DETAIL 809 A



DETAIL 809B



DESIGNED

DRAWN

REVIEWED

6-AB1-315

PROJECT

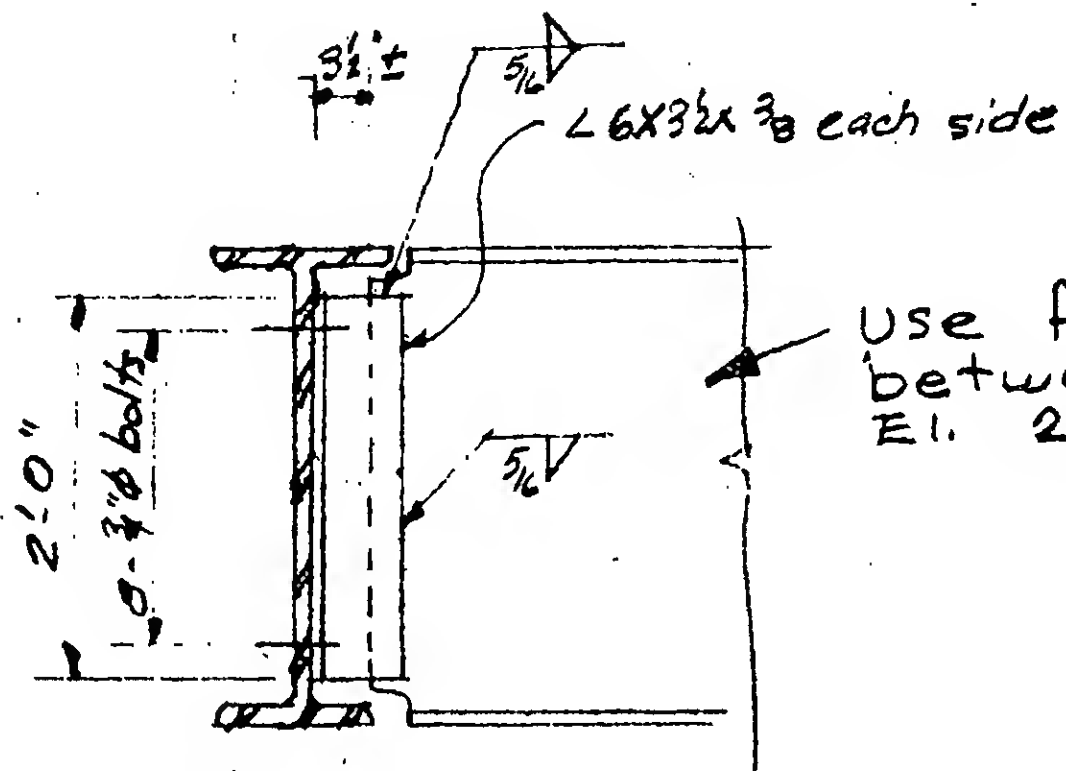
THE WORLD TRADE CENTER

TITLE

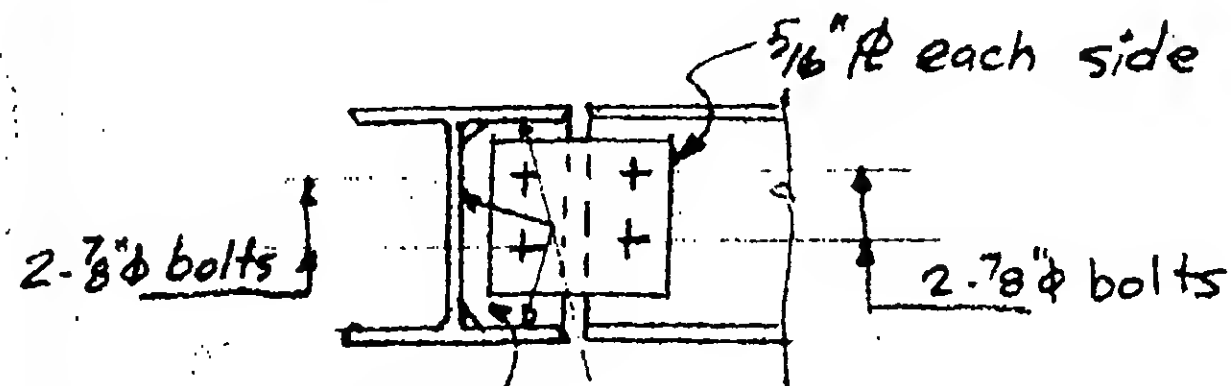
CONNECTION DETAIL 3916

DATE

12-8-67



DETAIL X



R = web thick
(5/16" min.)

DETAIL Y

ALTERNATE

6-AB1-500