

AD-A074 617

AMMANN AND WHITNEY NEW YORK
SCIENTIFIC DIRECTOR'S REPORT OF ATOMIC WEAPON TESTS AT ENIWETOK--ETC(U)
NOV 51

F/G 18/3

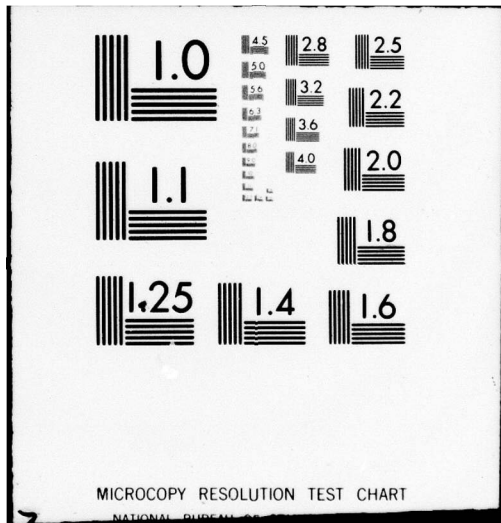
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AEC-WT-60(REF)-PT-2

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1 OF 7
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074617





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INVENTORY

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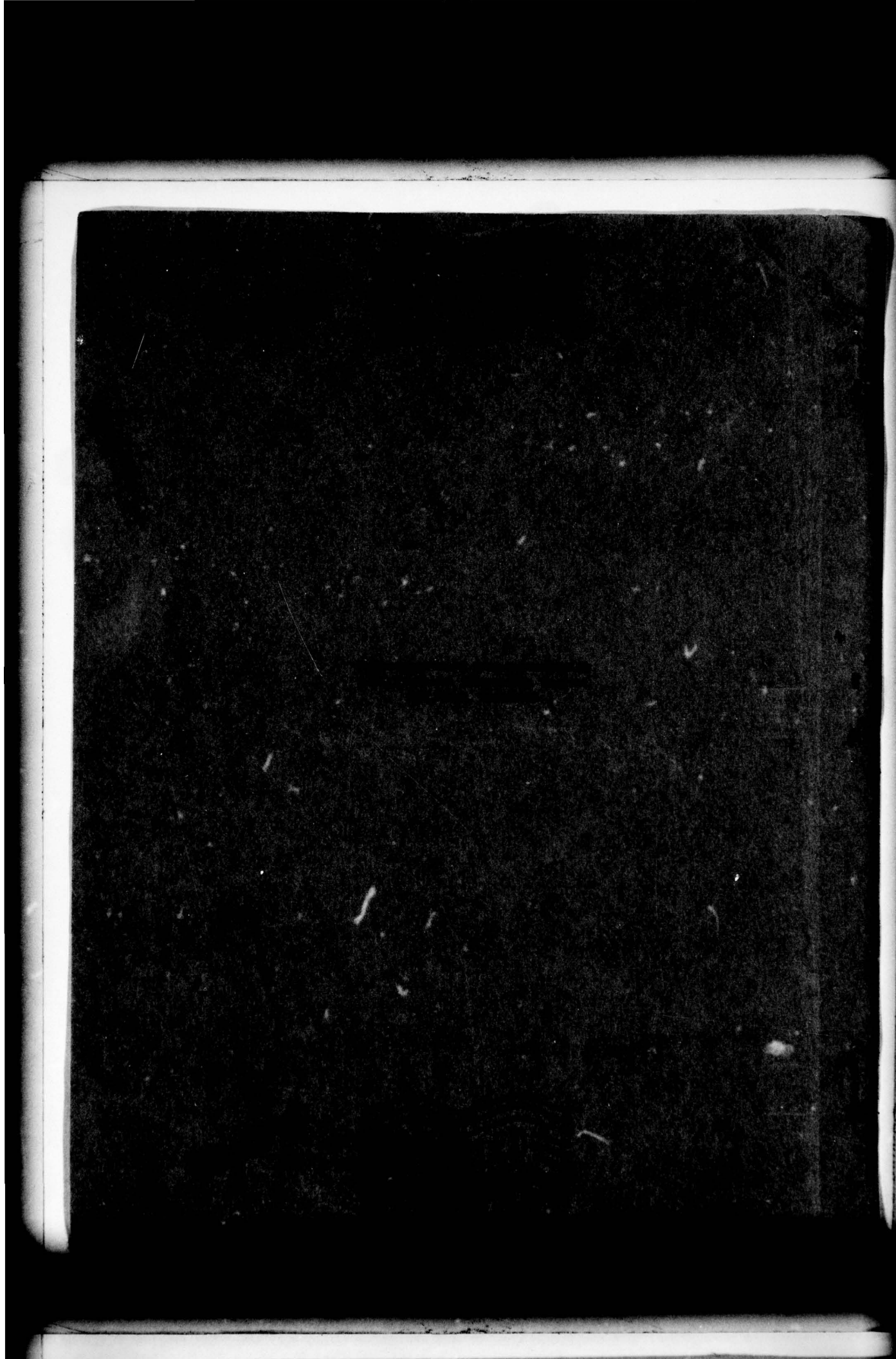
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This document consists of 21 pages (counting all preliminary pages)

No. 8 of 32 copies, Series A

WT-60(REF.) is divided into four parts as follows:

Part I - Pages 1 through 75

Part II - Pages 76 through 90

Part III - Pages 91 through 110

Part IV - Pages 111 through 130

Scientific Director's Report of Atomic Weapon Tests at Eniwetok, 1951

Annex 3.1

U. S. Army Structures

Appendix 2 As-built Construction

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U. S. ARMY STRUCTURES

Appendix 2

As-built Construction

by

AMMANN & WHITNEY
Consulting Engineers

Approved by: SHERWOOD B. SMITH
Director, Program 3

Approved by: ALVIN C. GRAVES
Scientific Director

New York, New York

November 1951

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ANCHOR STRIPS

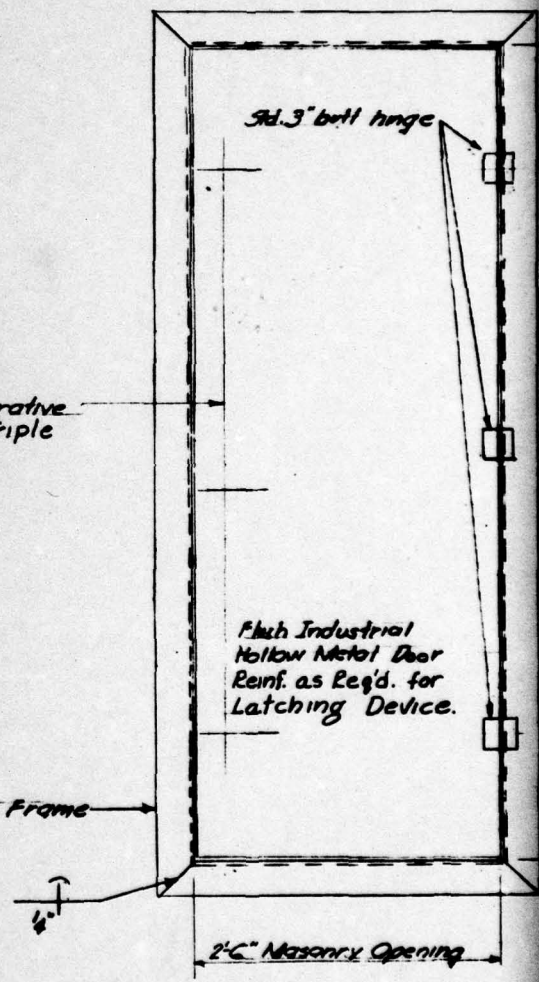
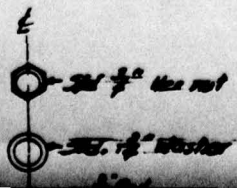
Anchor Straps @ 6" oc from corners

Commercial 3pt latching device, operative both sides. RICHARD WILCOX #406 Triple latching device or equal.

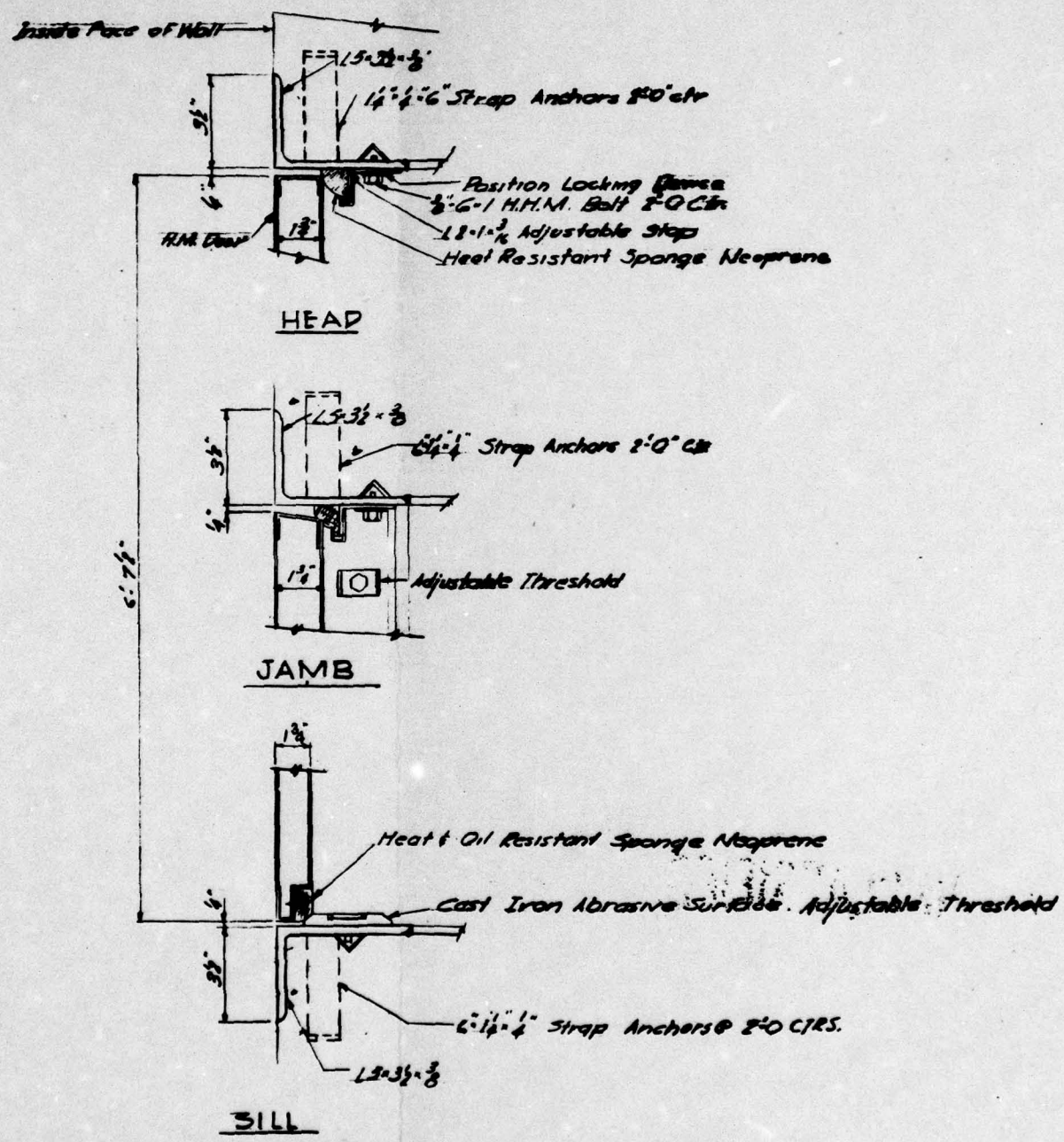
Flg of \perp to web to admit flg of \perp and weld as unit

Anchor Straps @ 6" oc & 6" from corners

web center



INTERIOR DOOR "E"

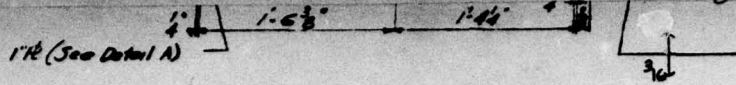


6'-8" Masonry Opening

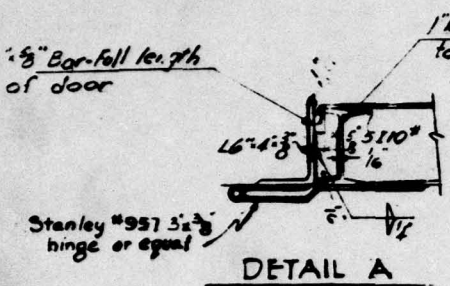
DETAILS OF INTERIOR DOOR "B"
Scale 3" = 1'-0"

REFERENCE DRAWINGS (DRAWINGS No. 60-09-11)

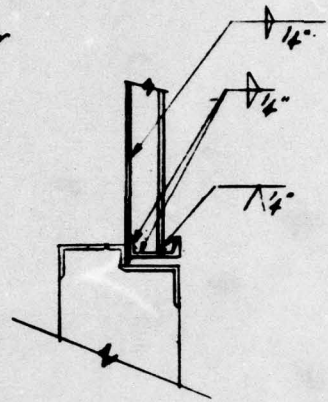
- Sheet 1. Underground Test Shelter. General Plan, Sections & Details
- Sheet 2. Underground Test Shelter. Concrete & Reinforcing Details



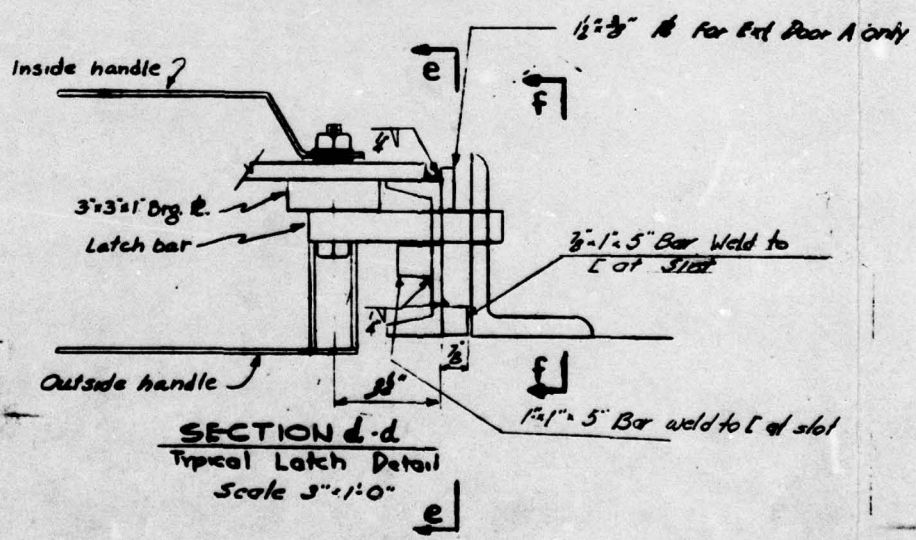
SECTION a-a



1" cut to allow door to open

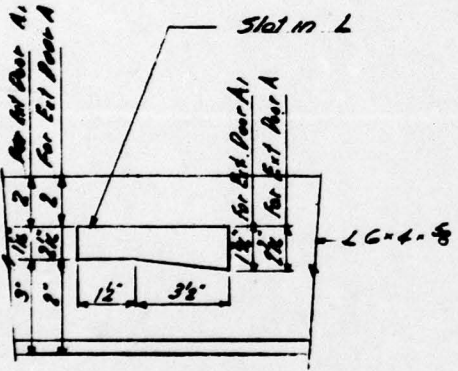


SECTION C-C



2

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SECTION f-f

SYM.	DESCRIPTION	DATE	APPROVAL
C	Final Revision to match As-Built conditions	18 6-26-51	
B	Misc changes as noted to conform to approved shop drawings	18 7-6-51	
A	General corrections & revisions	18 3-17-50	

AMMANN & WHITNEY CONSULTING ENGINEERS 76 NINTH AVENUE NEW YORK 11, N. Y.	DEPARTMENT OF THE ARMY OFFICE OF THE CHIEF OF ENGINEERS MILITARY CONSTRUCTION-ENGINEERING DIVISION WASHINGTON, D. C.
---	--

DRAWN BY
18

TRACED BY

CHECKED BY
J.P.

SUBMITTED
36 Anderson

**UNDERGROUND TEST SHELTER
DOOR DETAILS**

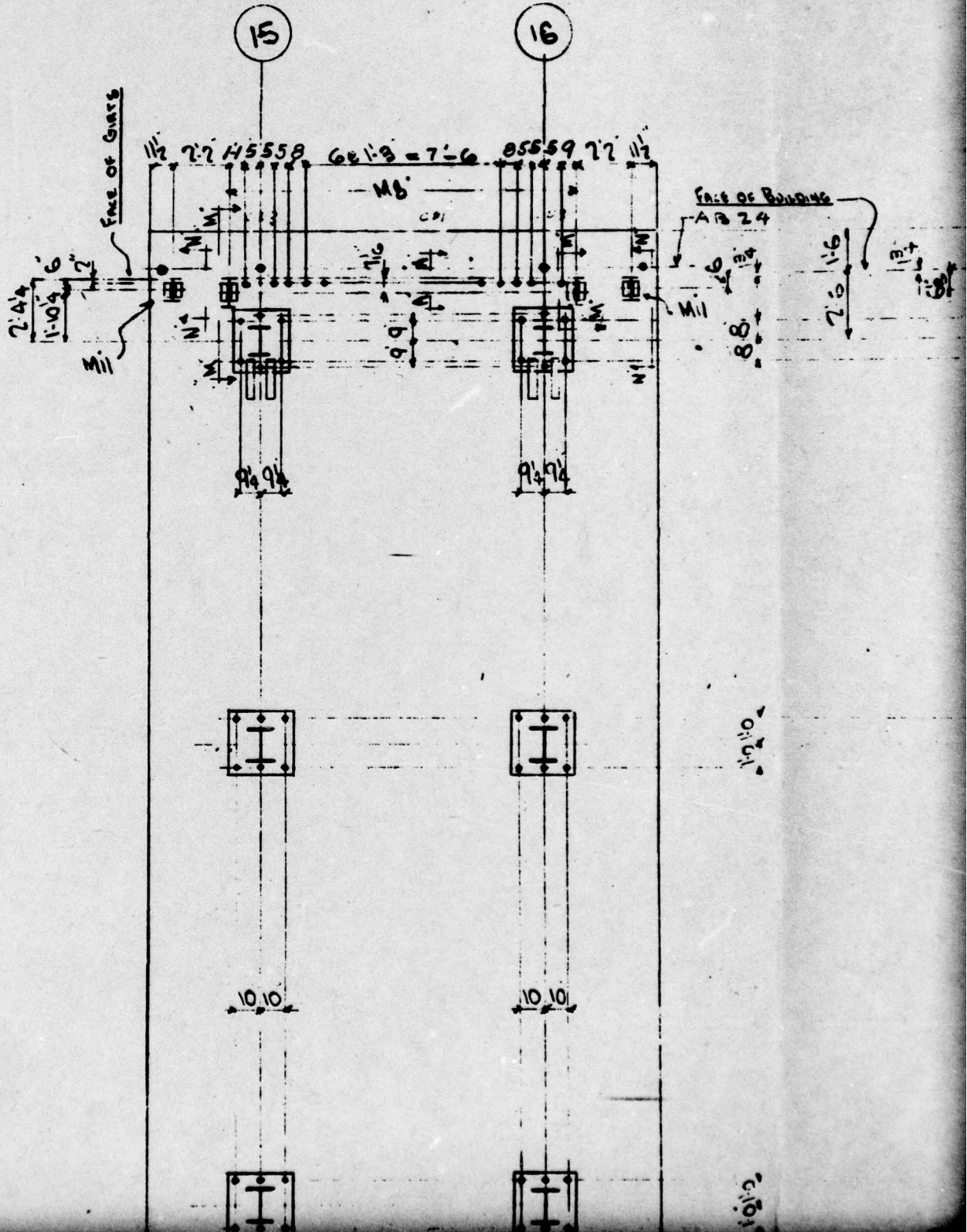
APPROVED <i>Ernie Jones</i> <small>CHIEF ENGINEER</small> BRANCH	APPROVED <i>M. D. L. Wenzel</i> DATE 24 JAN. 1950 <small>COL. C. E. CHIEF ENGINEERS</small>
--	--

APPROVED FOR _____ DATE _____	SCALE DRAWING NUMBER 60-24-17 SHEET 3 OF 3
-------------------------------------	--

5

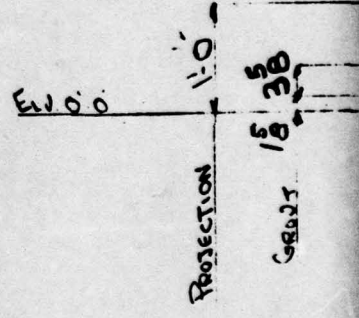
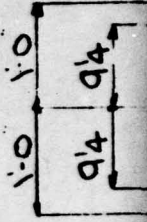
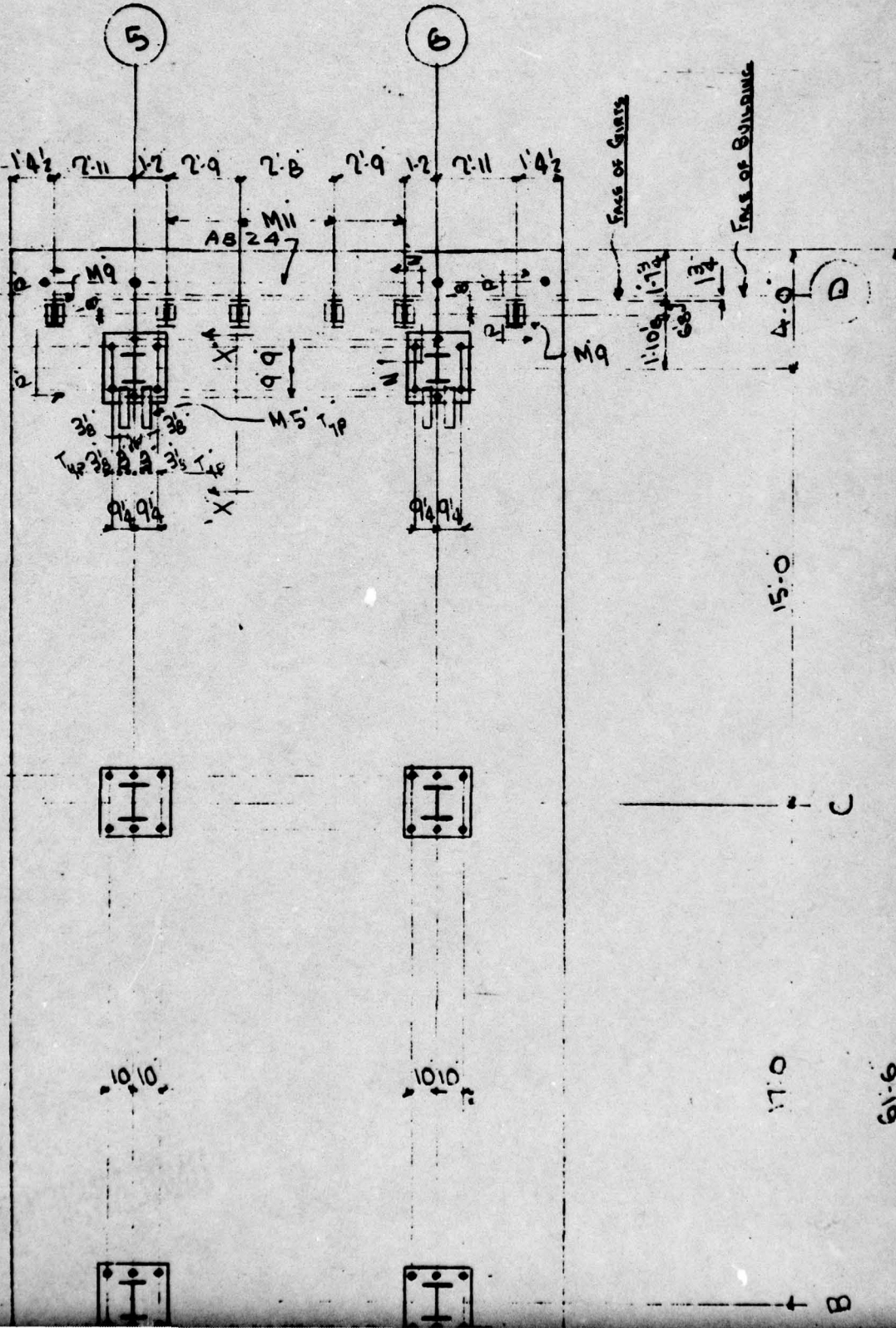
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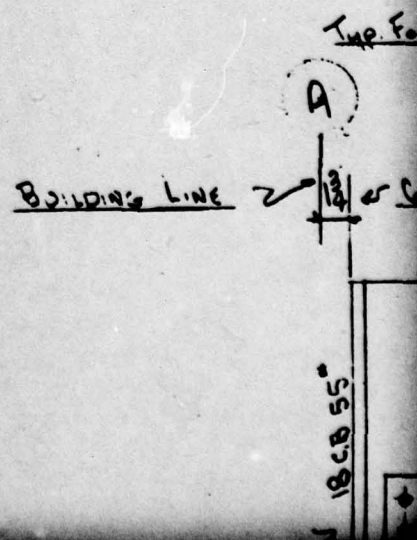


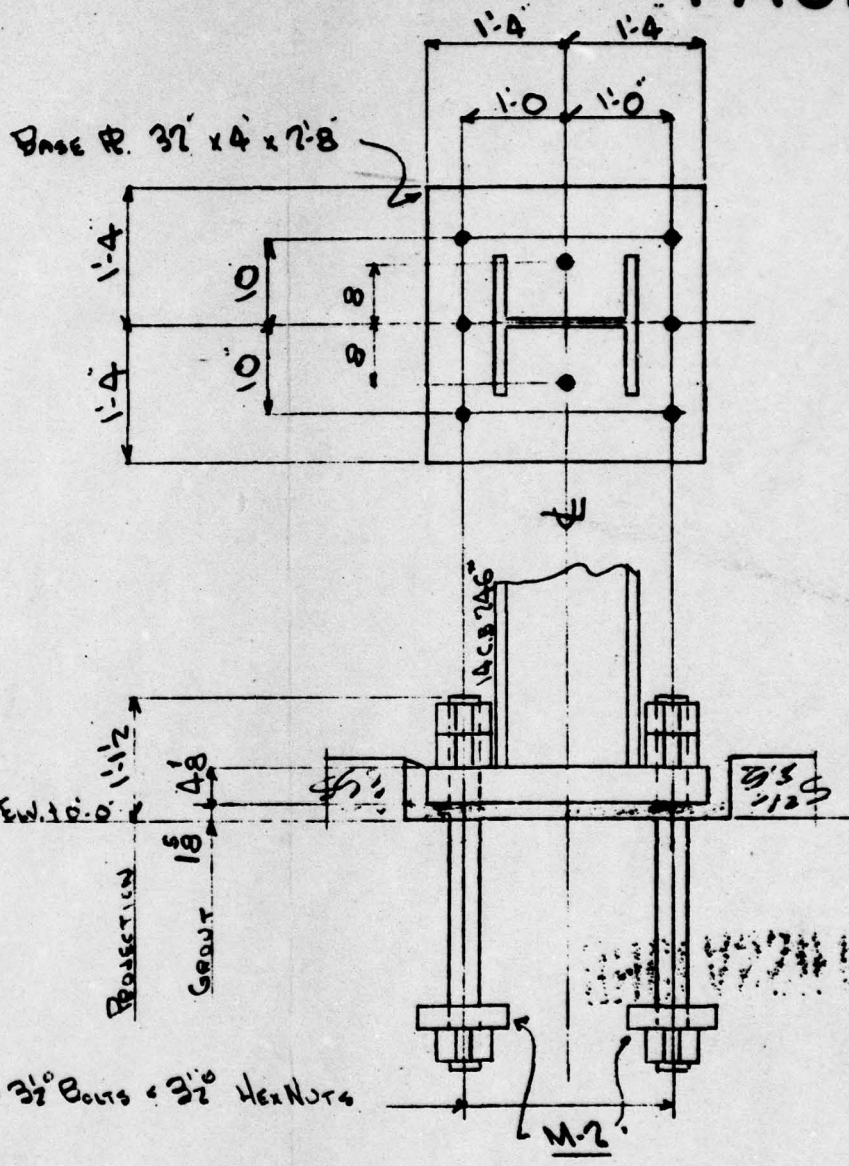
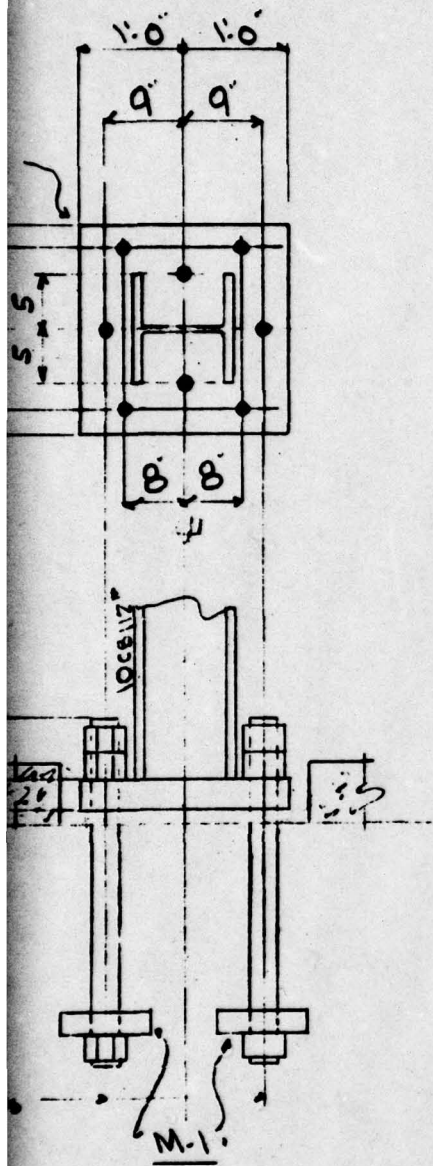
151162A1.1

Base #. 24 x 3 1/2 x 2



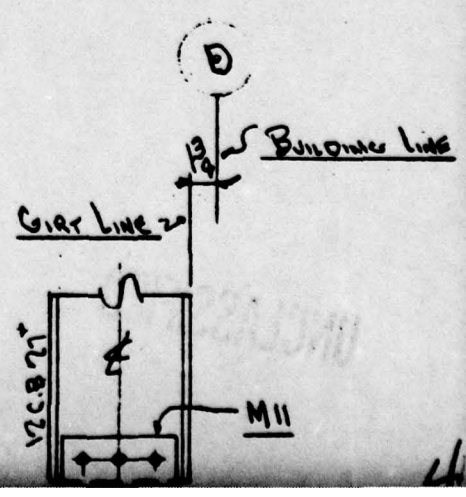
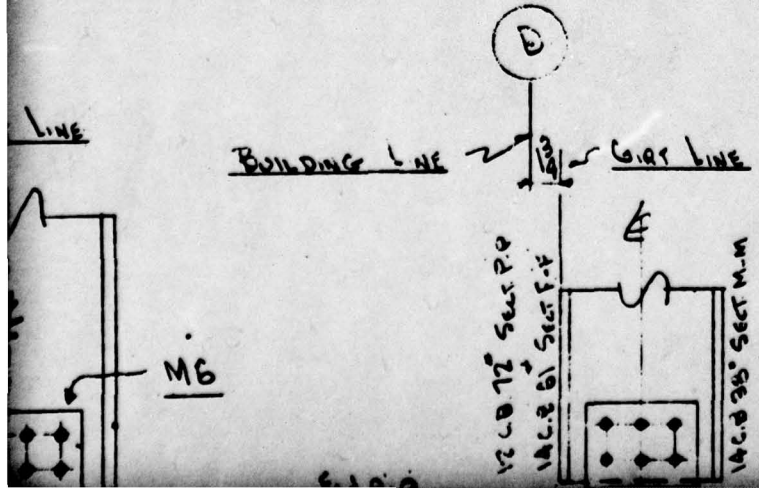
ABI - 3" Bours + 3" Hex N

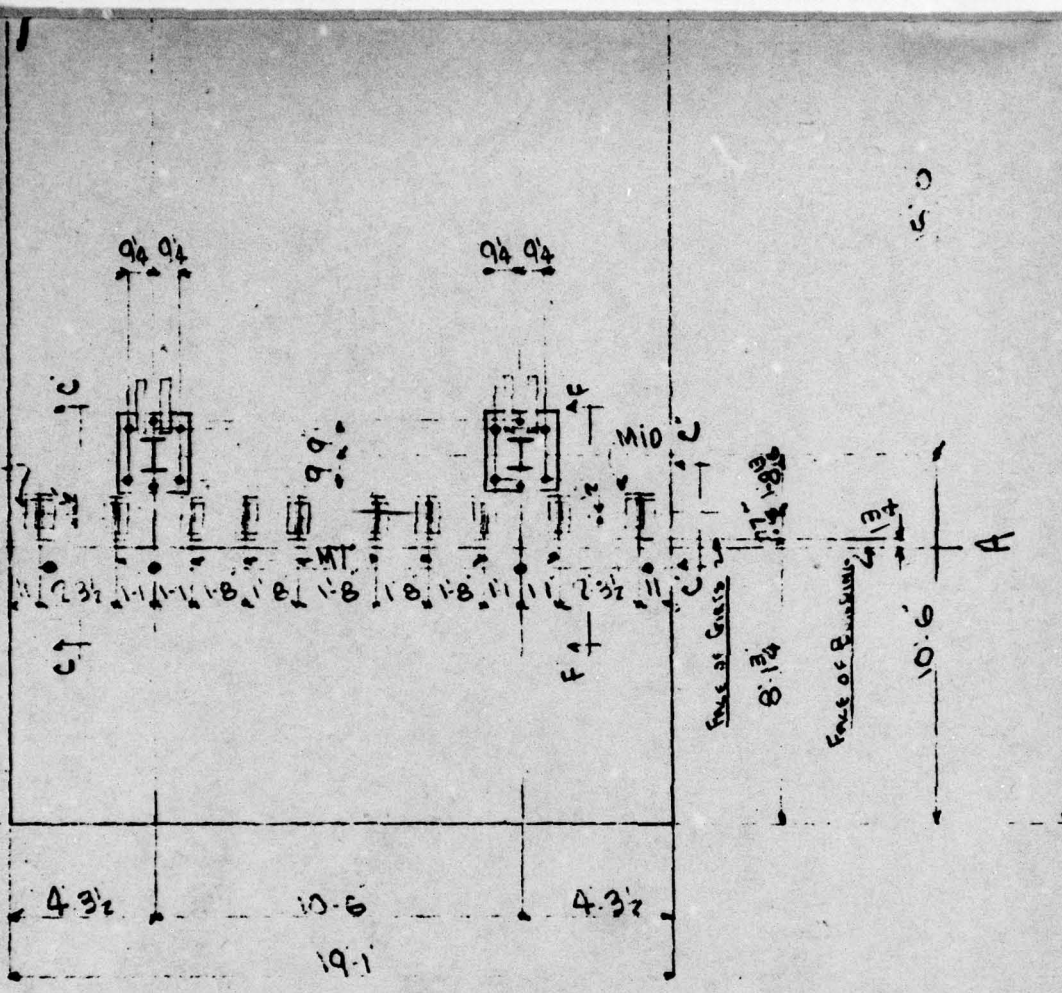




See Cov. Lines D & A-15-16-5-6

The Footings Cov Lines B & C -15-16-5-6





ANCHOR BOLT PLAN
BUILDING No. 2

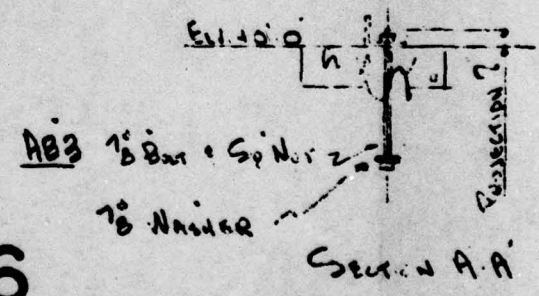
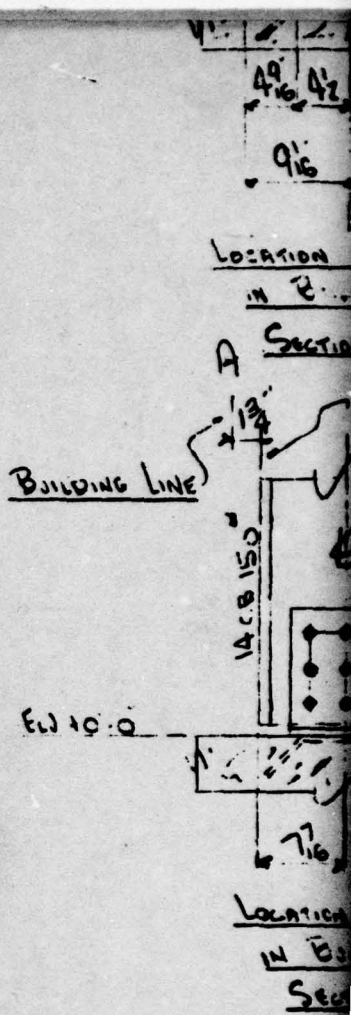
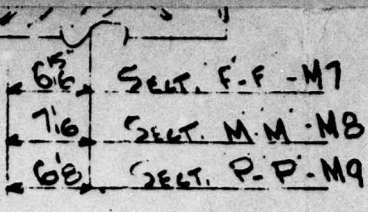
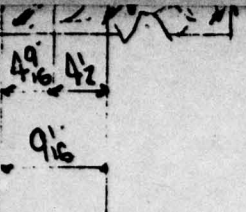


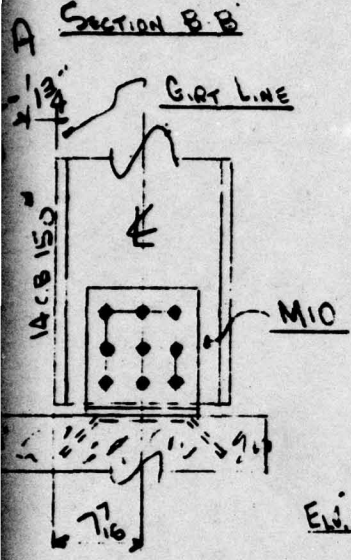
FIG. A2.46



6
 LOCATION OF ANCHOR
 IN BUILDING No. 6E2
 SECTION N-N

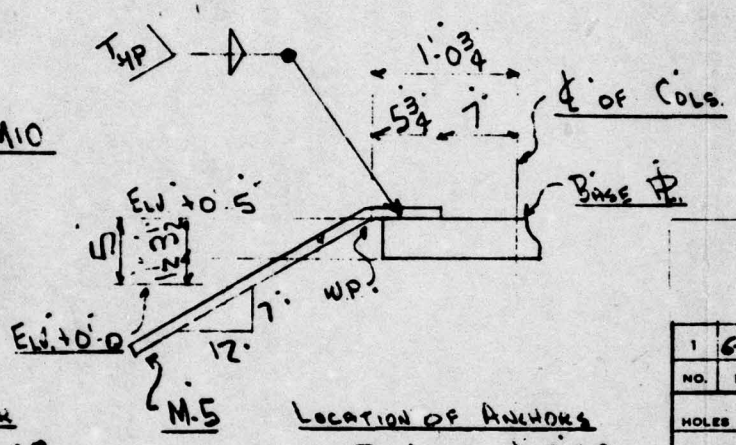
LOCATION OF ANCHOR
 IN BUILDING No. 6

LOCATION OF ANCHOR
 IN BUILDING No. 6E2



SECTION F-F
 SECTION M-M
 SECTION P-P

ANCHOR BOLTS FURNISHED BY C.W.S.C.
 ANCHOR BOLTS SET BY OTHERS
 BASE PLATES SET BY _____
 GROUT FURNISHED BY OTHERS
 GROUT POURED BY OTHERS
 NOTE: ANCHOR BOLTS MUST BE SET ACCURATELY AT
 CENTERS AND ELEVATION AS SHOWN ON THIS DRAWING.
 CONSOLIDATED WESTERN STEEL CORPORATION NOT RESPONSIBLE FOR
 ACCURACY OF ANCHOR BOLT SETTING WHEN SET BY OTHERS



LOCATION OF ANCHOR
 IN BUILDING No. 6E2
 SECTION C-C

LOCATION OF ANCHORS
 IN BUILDING No. 6E2
 TYP. SECTION X-X

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1	626-SURDG	SECT. A	REVISED
NO.	DATE	BY	REVISION
HOLES		PAINT	
RIVETS			
REF. CUST. DRAWING 6-7-48			
OF 13			
DATE	DRAWN BY	CHECKED BY	BY
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CONSOLIDATED WESTERN STEEL CORPORATION LOS ANGELES, CALIFORNIA SUBSIDIARY OF UNITED STATES STEEL CORPORATION			
HOLMES & NARVER BUILDING No. 6 & No. 7 ANCHOR BOLT SETTING TEAM			ORD.

6

7

ANCHOR
No. 627
N-N

BY C.W.S.C.

OTHERS

OTHERS

OTHERS

MUST BE SET ACCURATELY TO LINE,
AS SHOWN ON THIS DRAWING.
CORPORATION NOT RESPONSIBLE FOR THE
FAULT SETTING WHEN SET BY OTHERS.

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REVISION

PAINT

CHECKED BY *SCHNEIDER* IN CHARGE OF *HOLBRON*

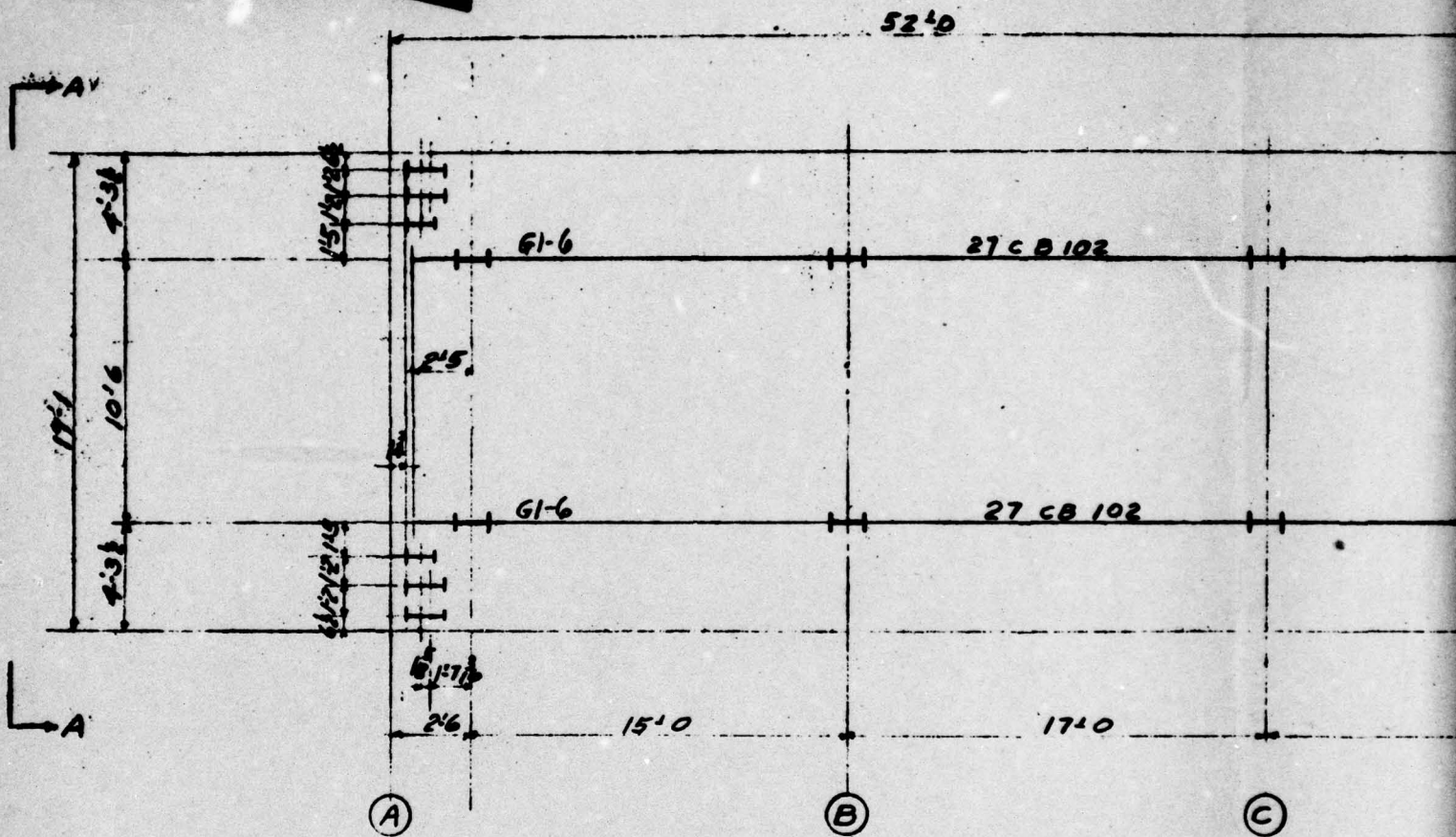
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CORPORATION
S. CALIFORNIA
STATES STEEL CORPORATION

ORDER NO. 48357

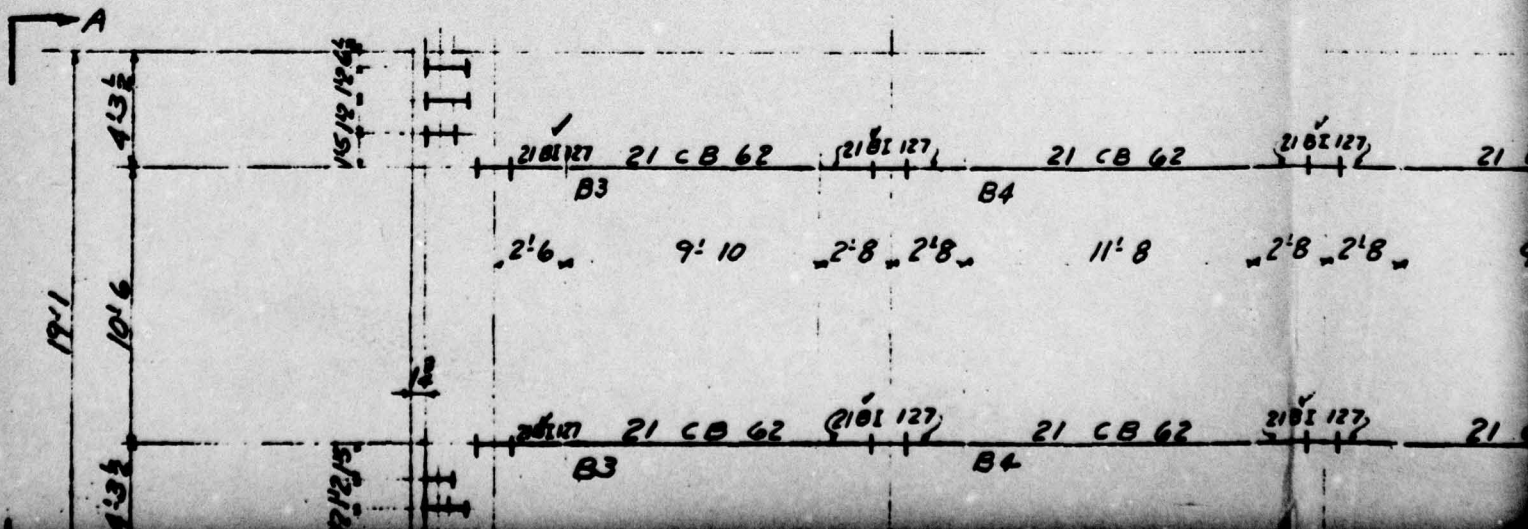
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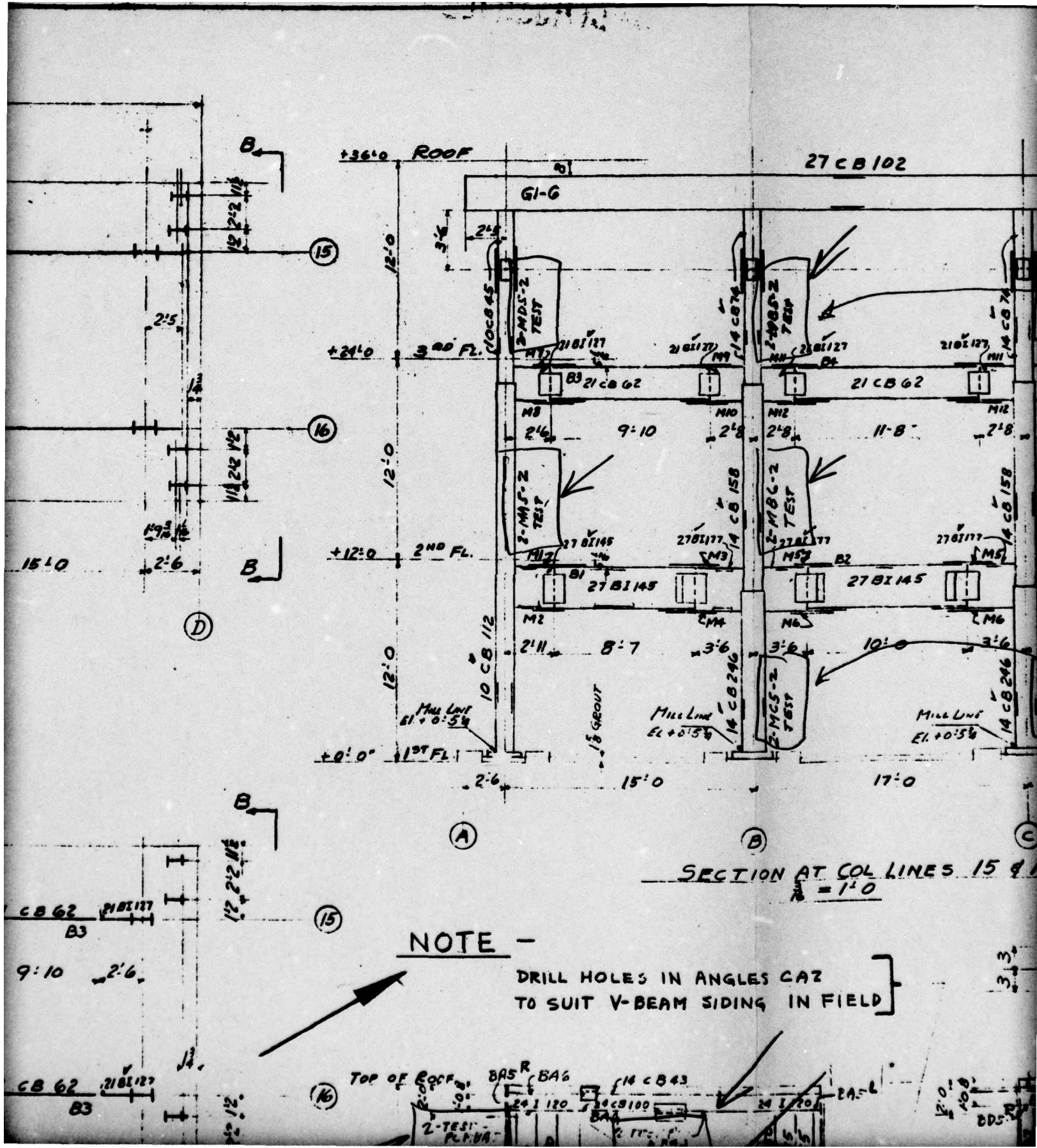
7- 8

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ROOF PLAN (ELEV. 35'4)
(1/8" = 1'0")





NOTE -

DRILL HOLES IN ANGLES CAZ
TO SUIT V-BEAM SIDING IN FIELD

SECTION AT COL LINES 15 & 16
= 1'-0"

TOP OF ROCK

BAS R BA6

14 CB 43

2-TEST -

12'-0"

3'-3"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

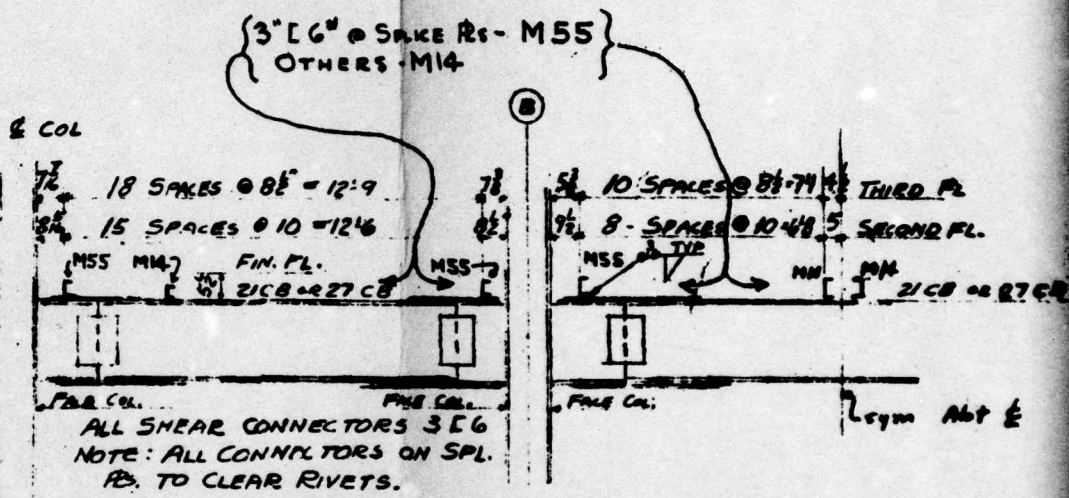
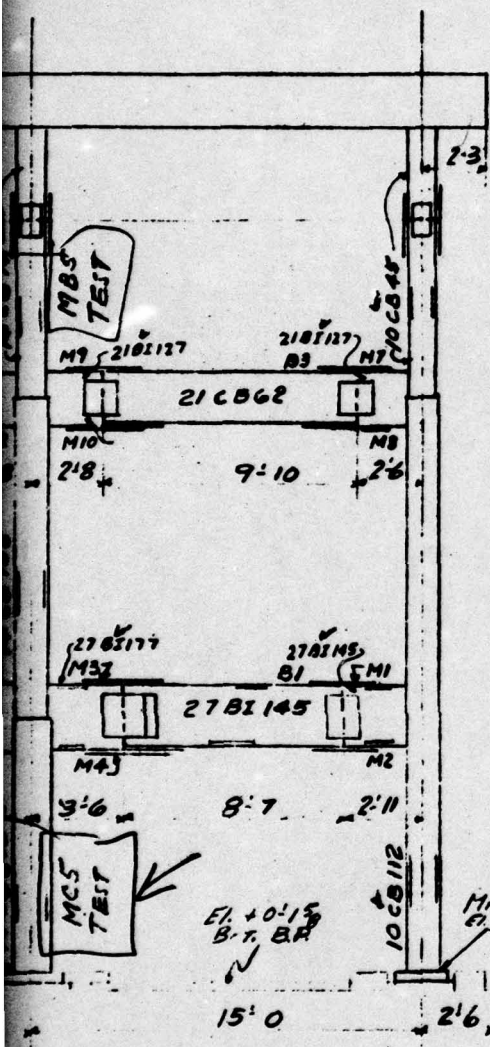
1'-0"

1'-0"

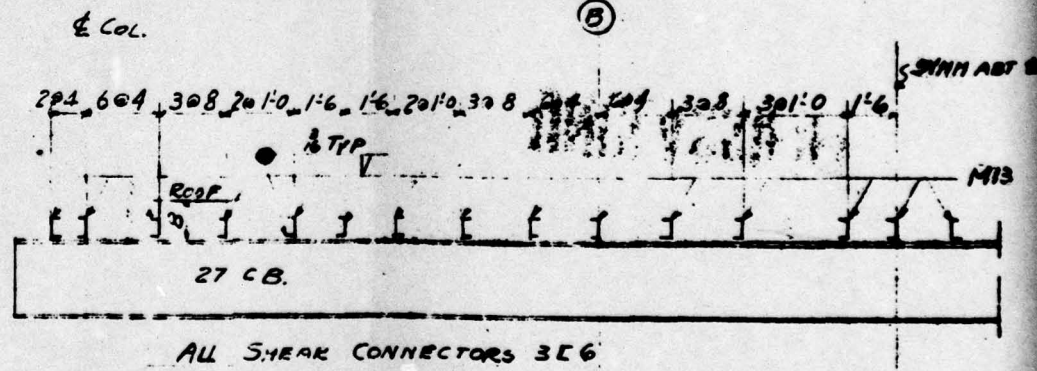
1'-0"

1'-0"

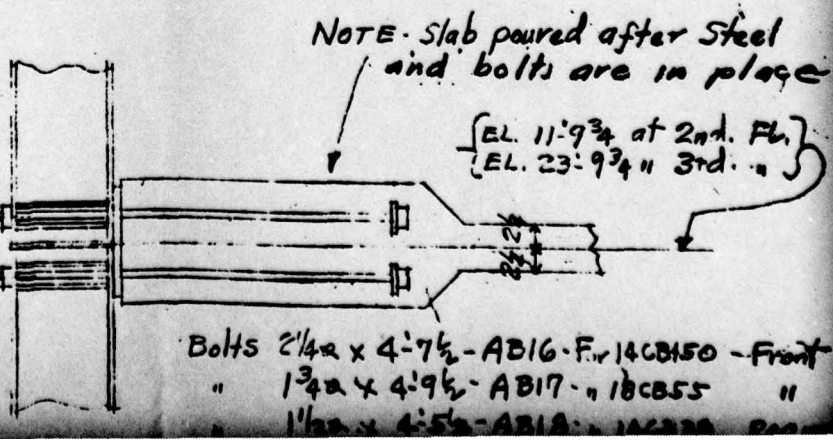
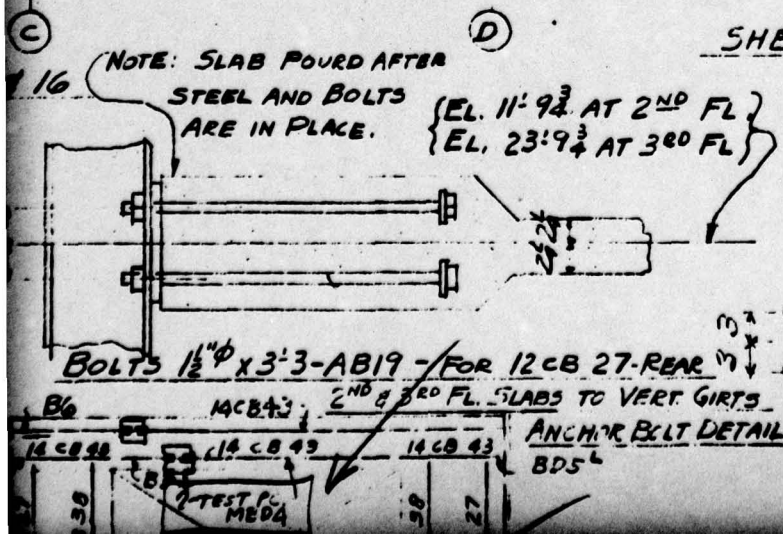
1'-0"

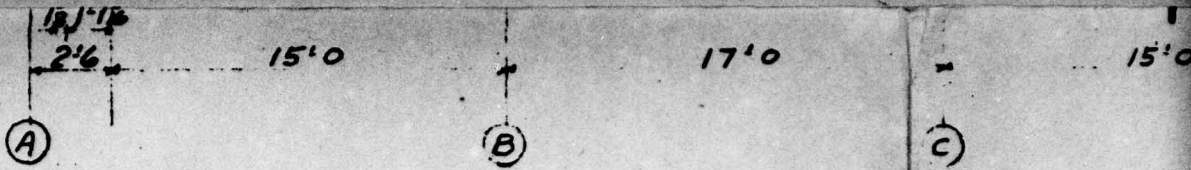


SHEAR CONNECTOR DETAIL AT 2ND & 3RD FLOORS

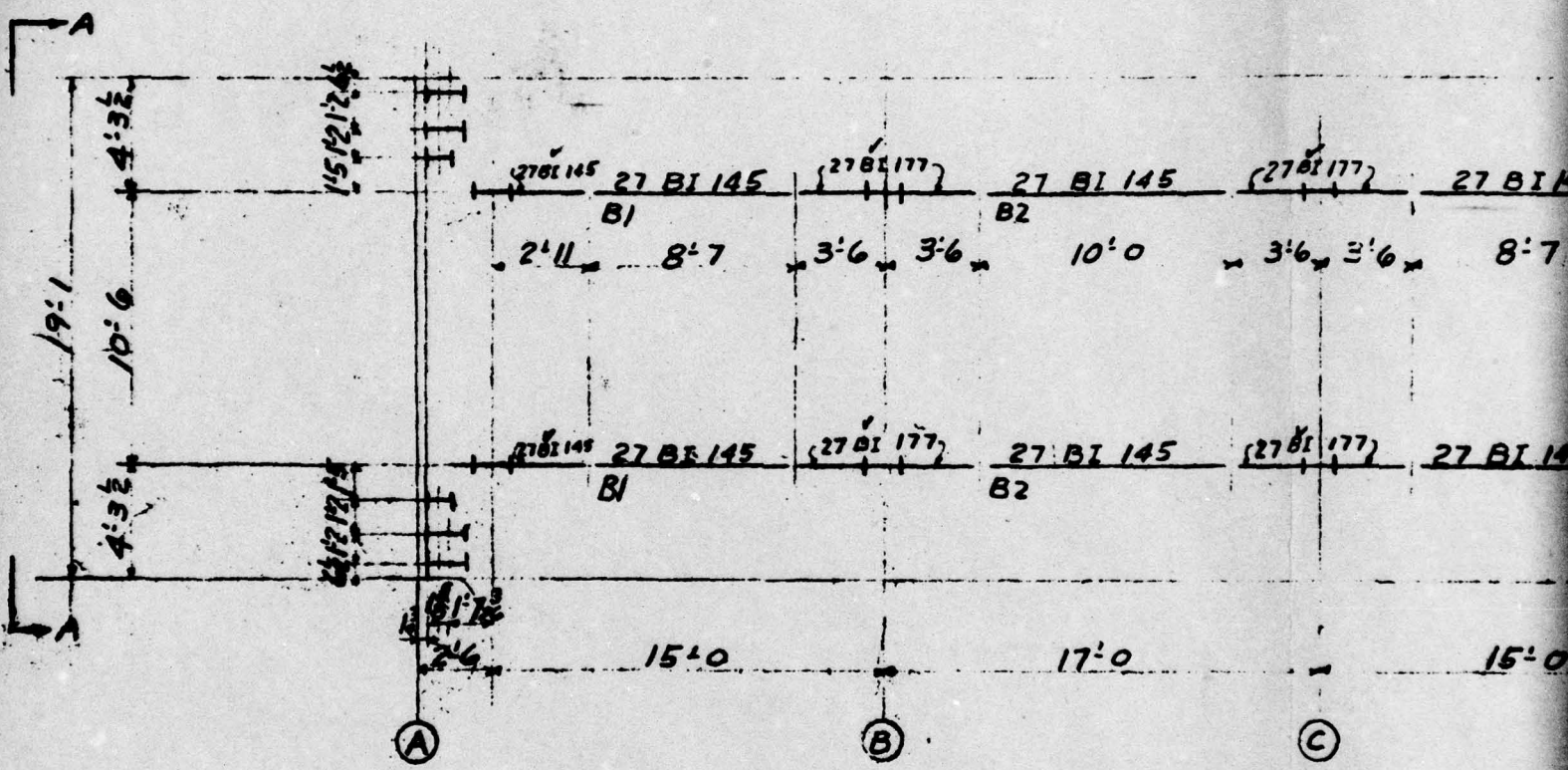


SHEAR CONNECTOR DETAIL AT ROOF

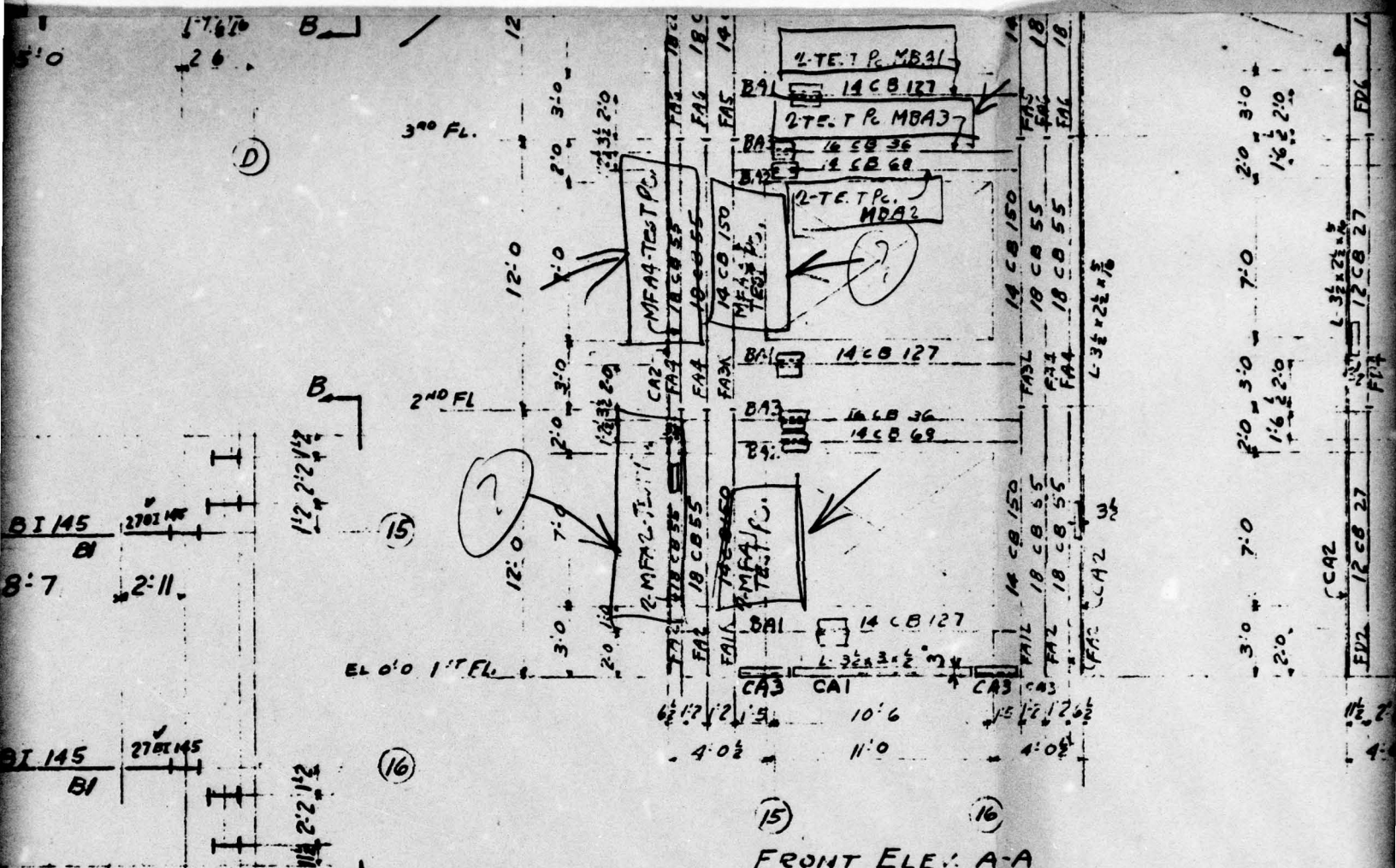




3RD FLOOR PLAN (ELEV. 23'-6 $\frac{1}{2}$)
($\frac{3}{8}$ " = 1'-0")



2ND FLOOR PLAN (ELEV. 11'-6 $\frac{1}{2}$)
($\frac{3}{8}$ " = 1'-0")



FRONT ELEV. A-A

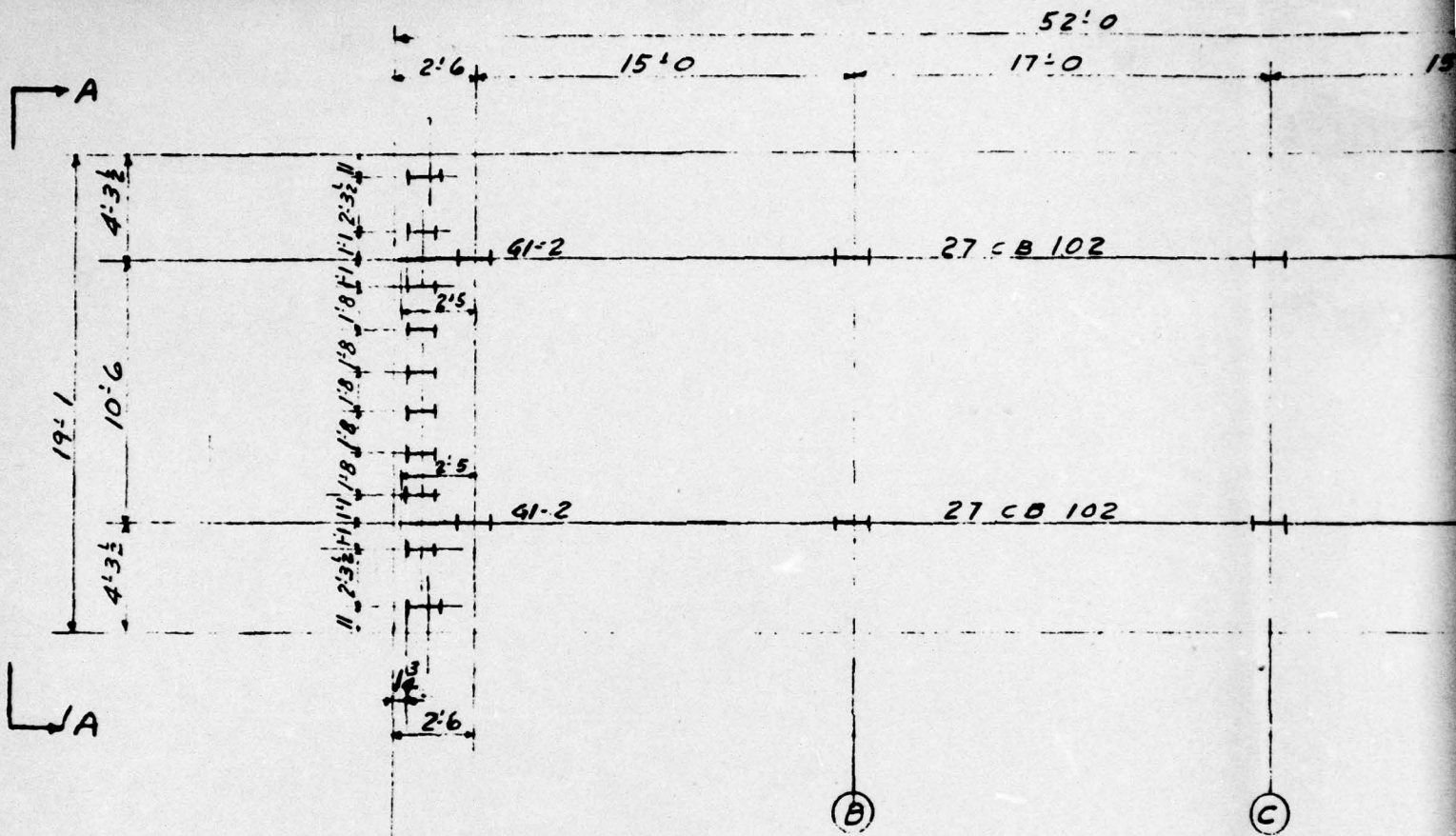
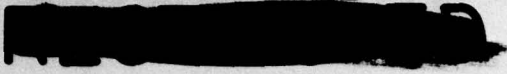
NOTE -

DRILL $\frac{1}{16}$ " HOLES IN FIELD FOR BOLTING V BEAM SHEETS TO VERTICAL GIRTS
 ALL FIELD BOLTS TO HAVE THREADS PREEMED AFTER TIGHTING NUTS

FIG. A2.47

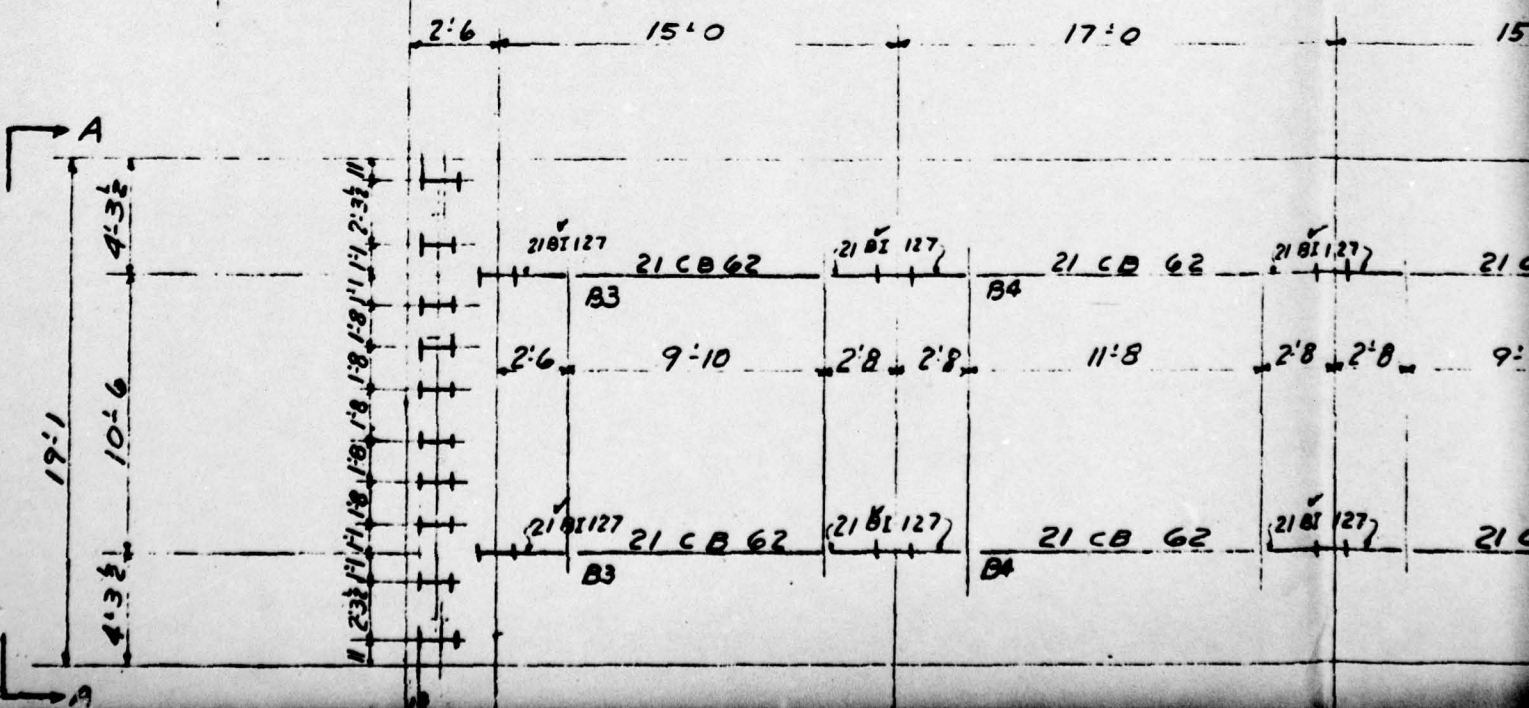
ERECTION	BY OTHERS
FIELD CONNS	Riveted except welding and bolting is shown.
FIELD PAINT	shown.
INSPECTION	BY _____
BLDG. PERMIT No.	_____

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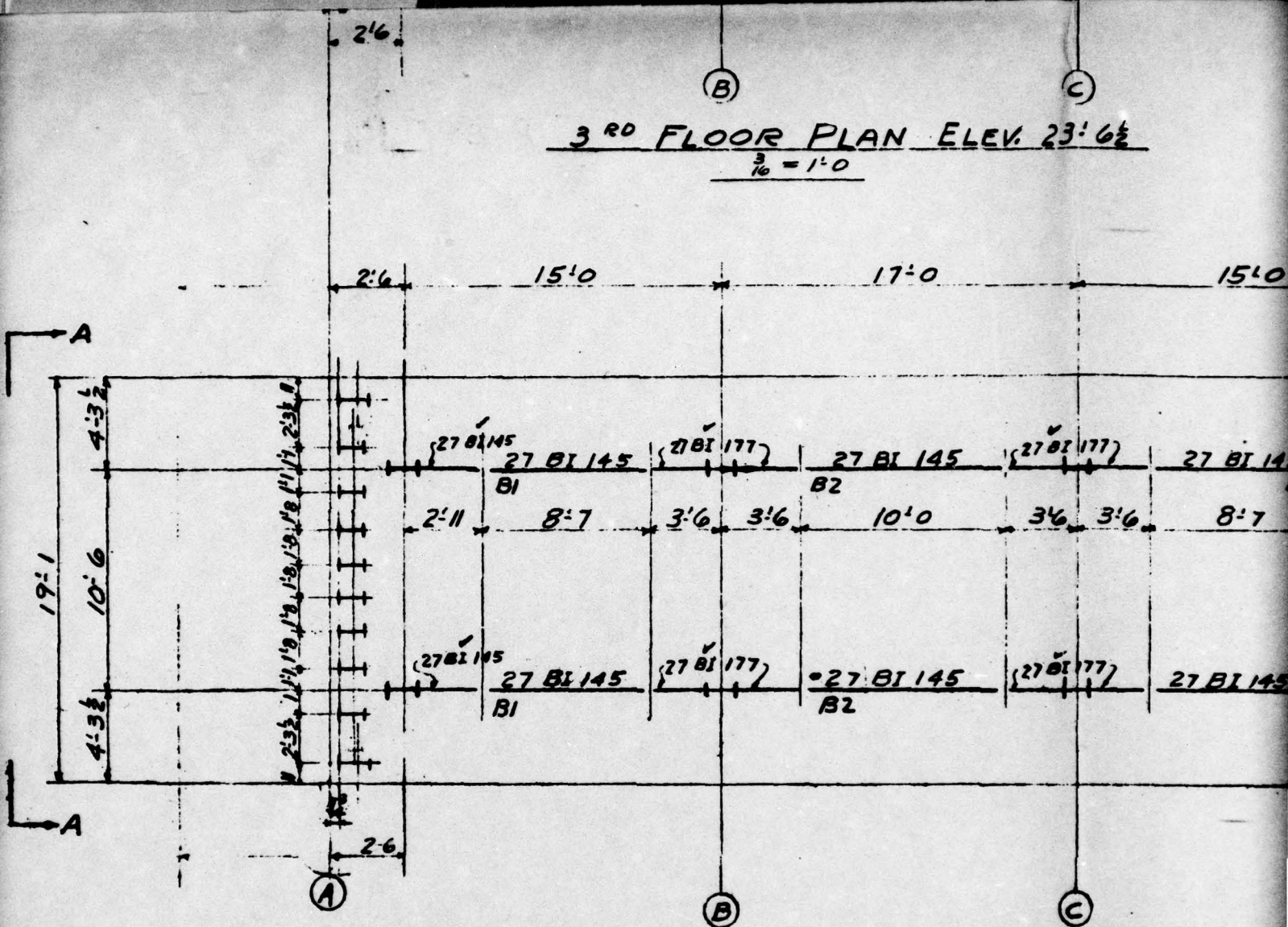


ROOF PLAN ELEV. 35'4

3/4" = 1'-0"



3RD FLOOR PLAN ELEV. 23'-6 $\frac{1}{2}$
 $\frac{3}{16} = 1'-0$



2ND FLOOR PLAN ELEV. 11'-6 $\frac{1}{2}$
 $\frac{3}{16} = 1'-0$

MFO12
(78517)

FD15 12-C-B 27

FD13 D0

FD13 D0

FD13 D0

FD12 12-C-B 72

L-3 1/2 x 2 1/2 x 1/8

FD11 12-C-B 27

FD11 D0

FD11 D0

FD11 D0

FD10 12-C-B 72

CA2

2'11 1/2 2'9 2'8 2'9 1'2 2'11 1'4
3 1/2 10'6 4'3 1/2

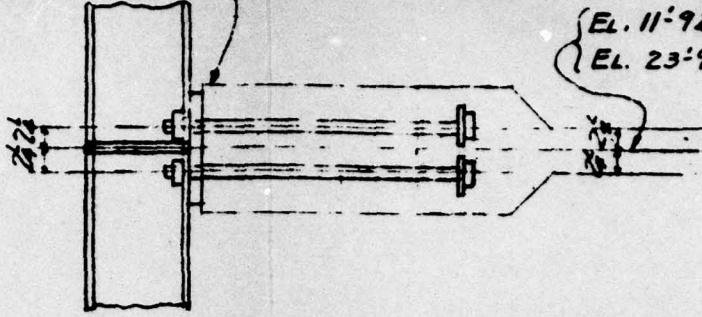
6

5

REAR ELEV. B-B
1/8" = 1'-0"

For Field Conn's See Sh. E2

NOTE-SLAB TO BE POURED
AFTER STEEL AND BOLTS
ARE IN PLACE.



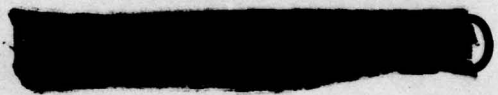
EL. 11'-9 3/4 AT 2ND FL.
EL. 23'-9 3/4 AT 3RD FL.

BOLTS 3/4" x 3'-3" AB23 FOR 12CB72 & 12CB 27 (REAR)

ANCHOR BOLT DETAIL

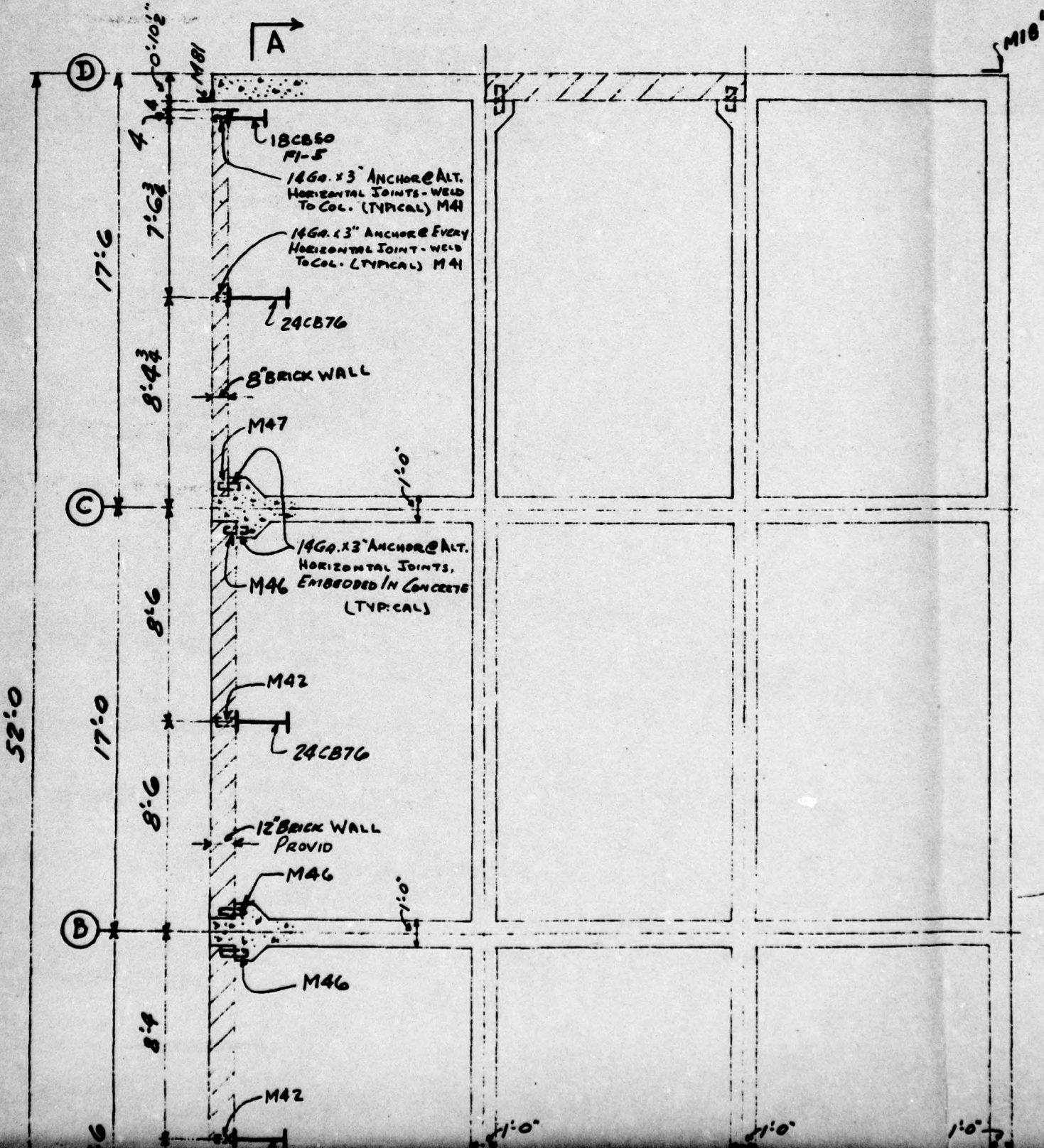
2ND & 3RD FL. SLABS TO VERTICAL GIRTS

UNCLASSIFIED

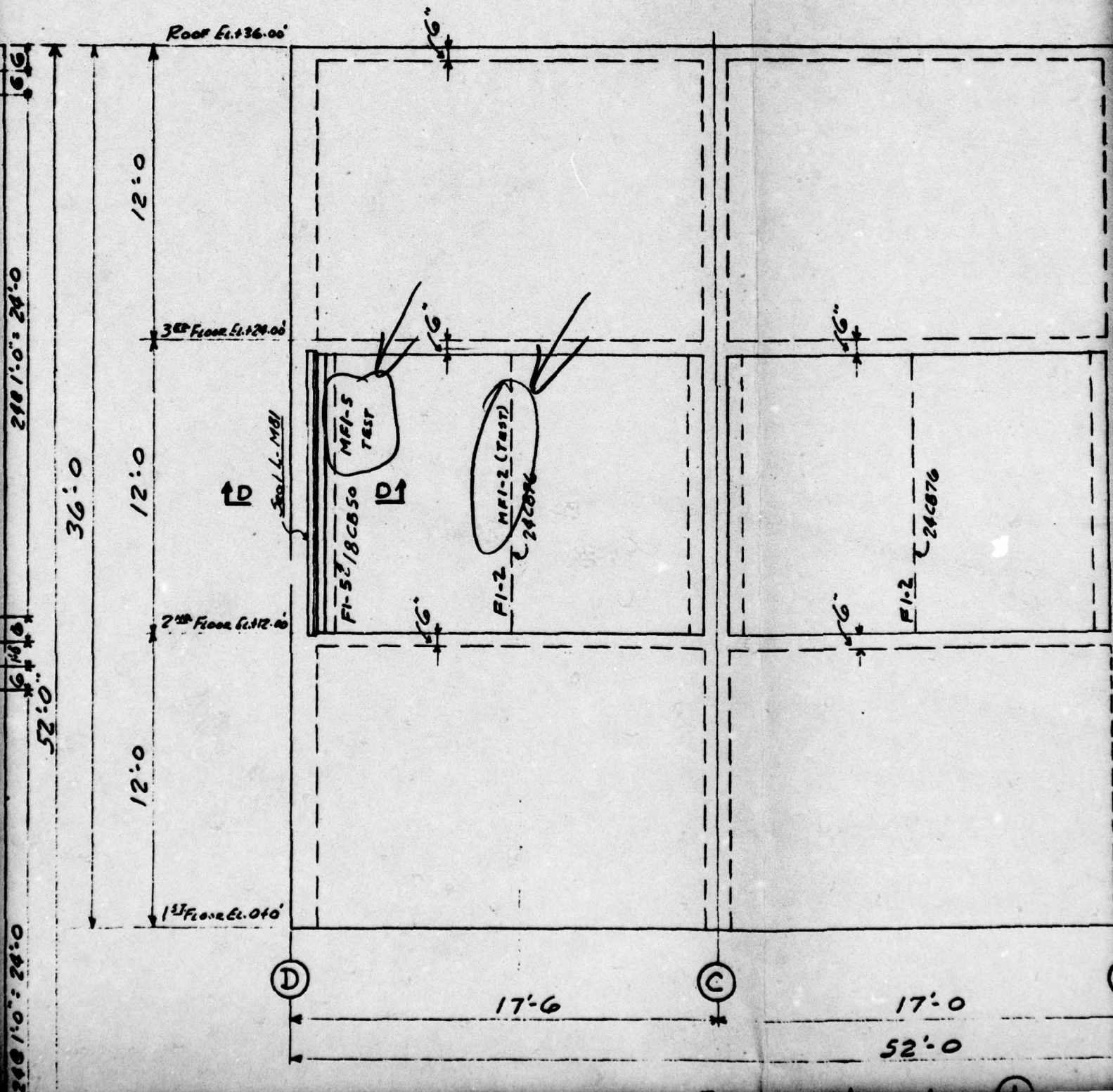


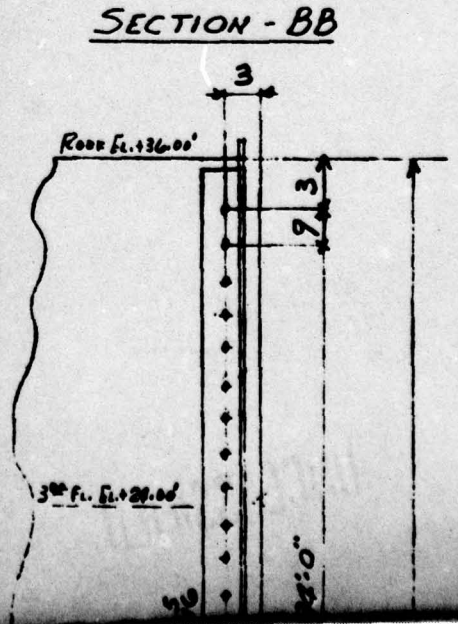
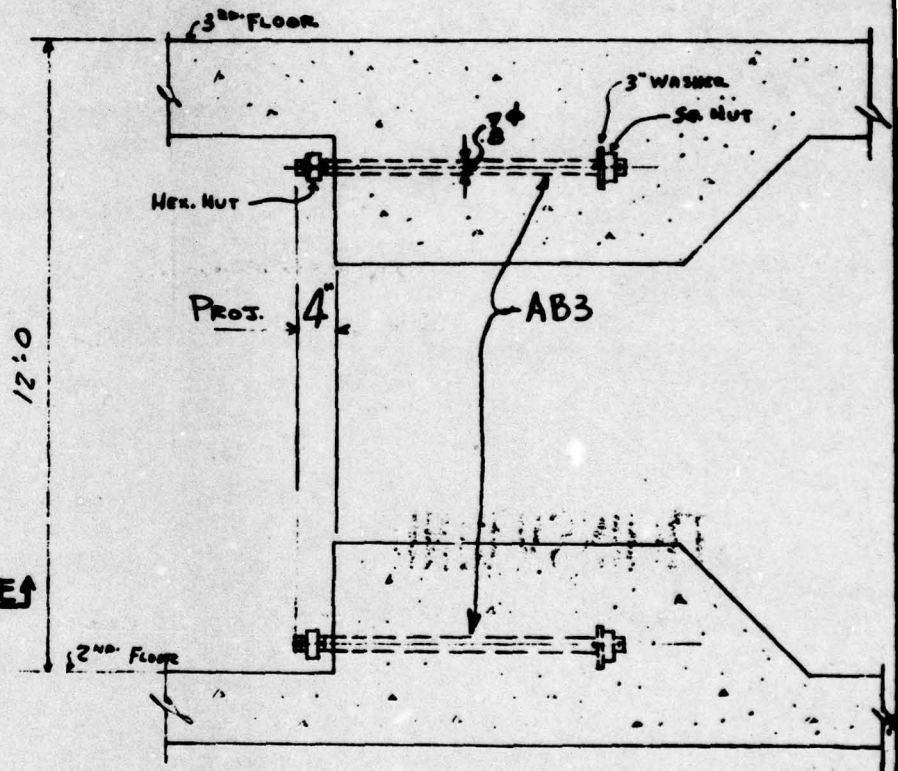
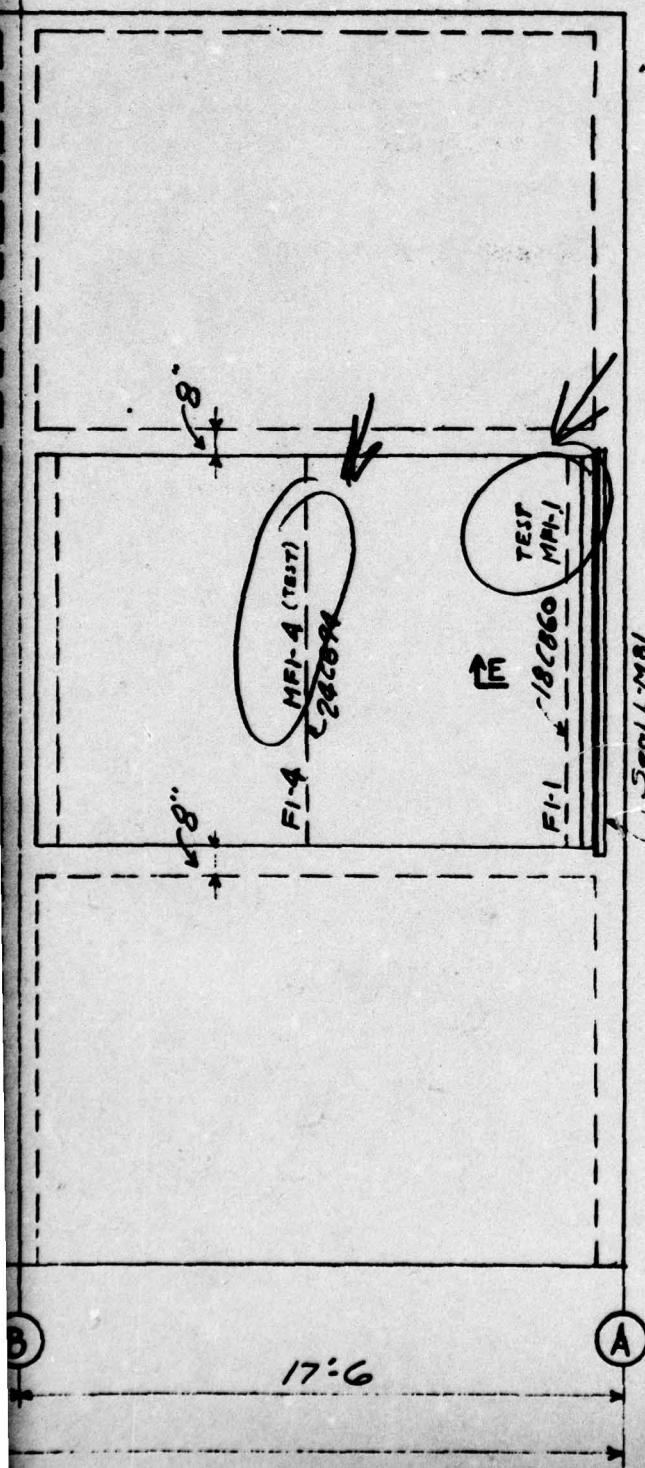
1				
NO.	DATE	BY	REVISION	
HOLES			PAINT	
RIVETS				
REP.				
DATE	DRAWN BY	CHECKED BY	IN CHARGE OF	
APRIL 26-50	SLANGEN	GALLAGHER	HOLBECK	
CONSOLIDATED WESTERN STEEL CORPORATION LOS ANGELES, CALIFORNIA SUBSIDIARY OF UNITED STATES STEEL CORPORATION				
HOLMES & NARVER BUILDING NO. 2			ORDER NO. 48357	
ERECTION DIAGRAM			CHECKED NO. E3	

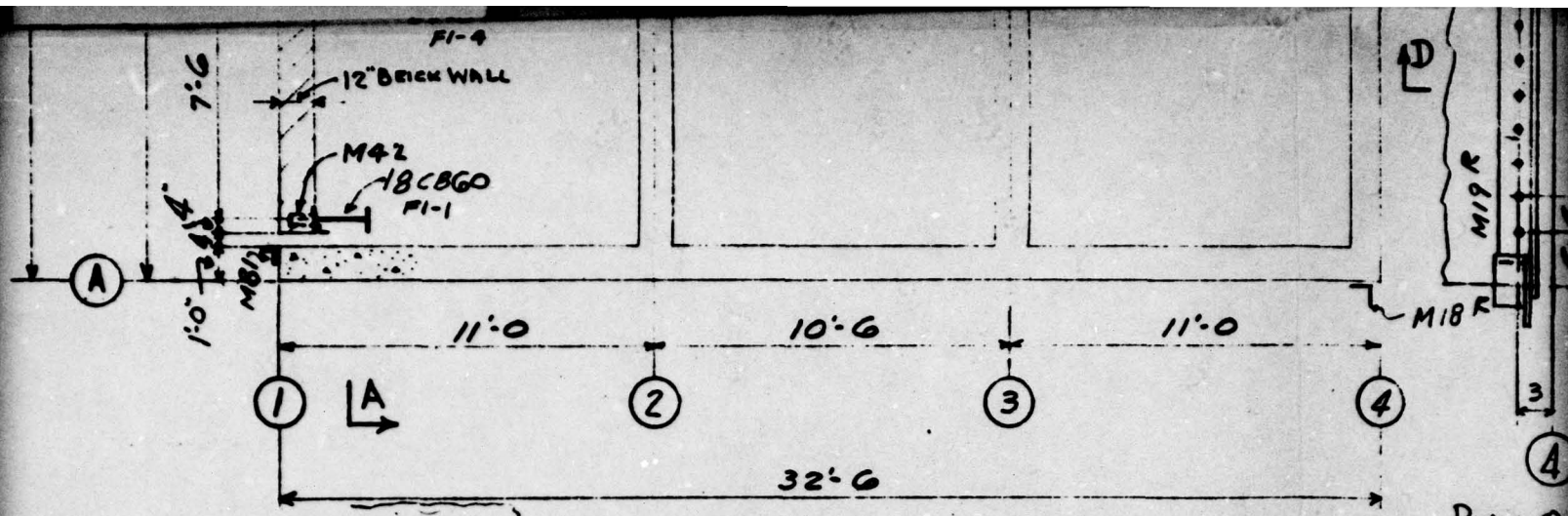
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9/22/95-73
M19
1-31-95-73

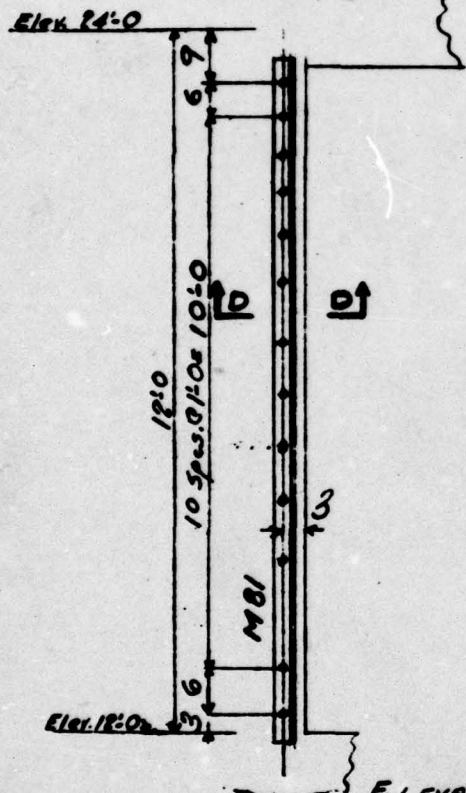




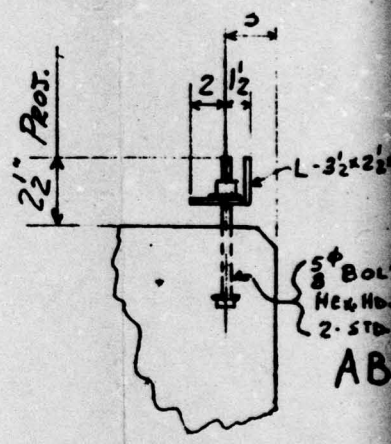


SECOND FLOOR PLAN

PLAN OF
ALONG

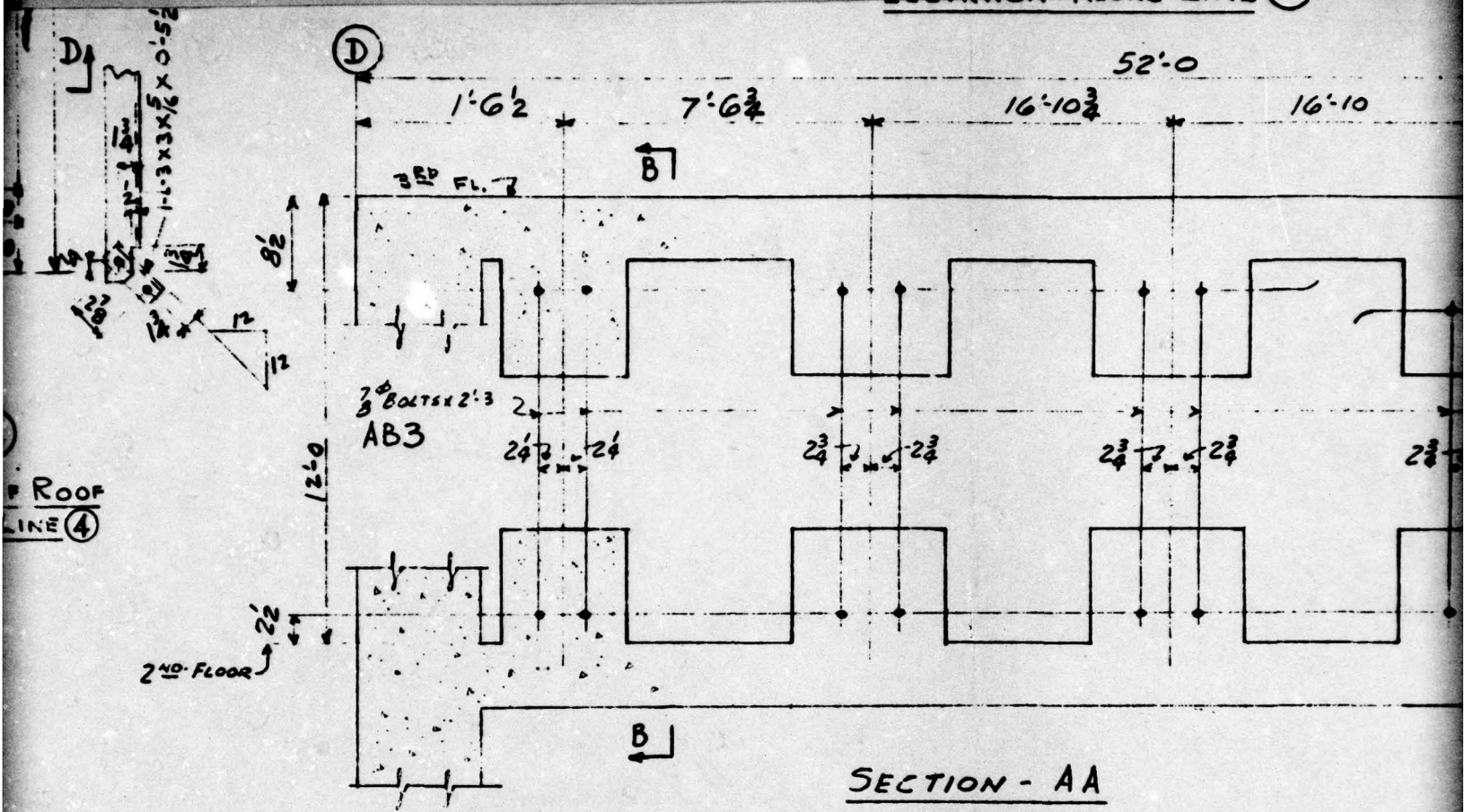


ELEVATION @ D1 - (shown)
ELEVATION @ A1 - (opp.)



SECTION-DD
(TYPICAL)

SECTION-EE



SECTION - AA

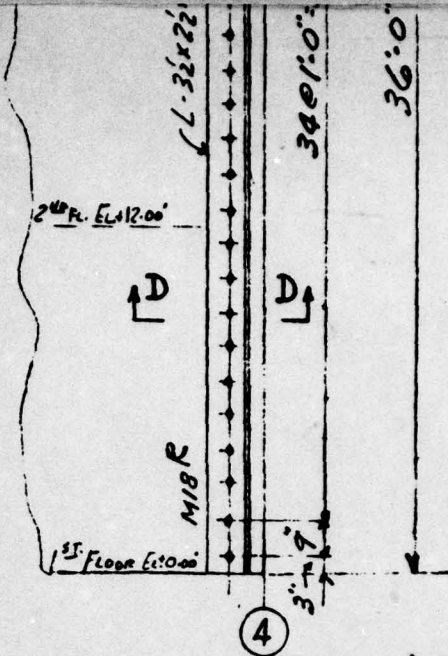
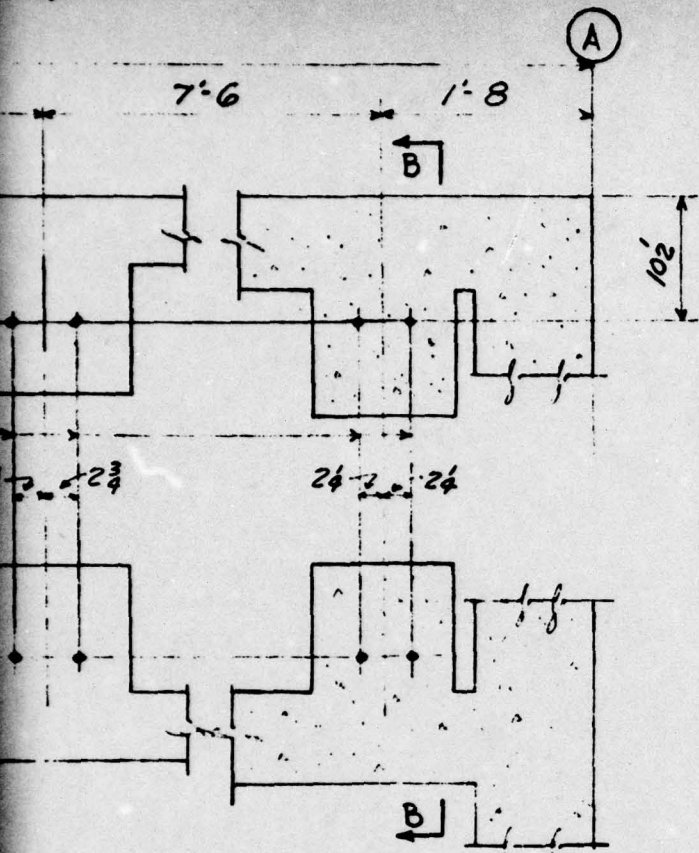
ANCHOR BOLTS FURNISHED BY	<u>C.W.S.C.</u>
ANCHOR BOLTS SET BY	<u>OTHERS</u>
BASE PLATES SET BY	<u>NONE</u>
GROUT FURNISHED BY	<u>OTHERS</u>
GROUT POURED BY	<u>OTHERS</u>
NOTE: ANCHOR BOLTS MUST BE SET ACCURATELY TO LINE, CENTERS AND ELEVATION AS SHOWN ON THIS DRAWING.	
CONSOLIDATED WESTERN STEEL CORPORATION NOT RESPONSIBLE FOR THE ACCURACY OF ANCHOR BOLT SETTING WHEN SET BY OTHERS.	

FIG. A2.49

TXO'-8"
 & NUT
 WASHERS
 13

(Shown)

(Opposite)



ELEVATION AT A4 - SHOWN
ELEVATION AT D4 - OPP.

~~RESTRICTED~~

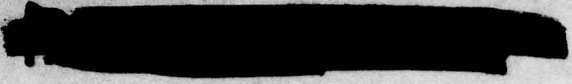
UNCLASSIFIED

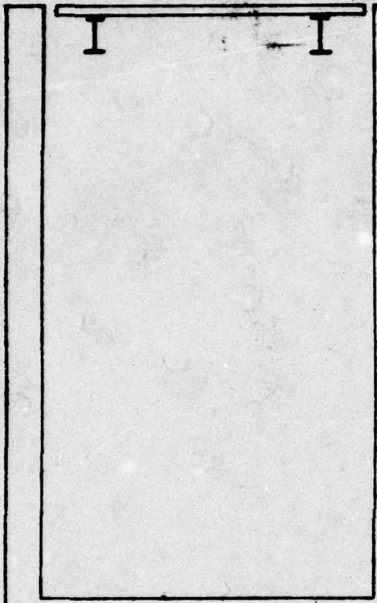
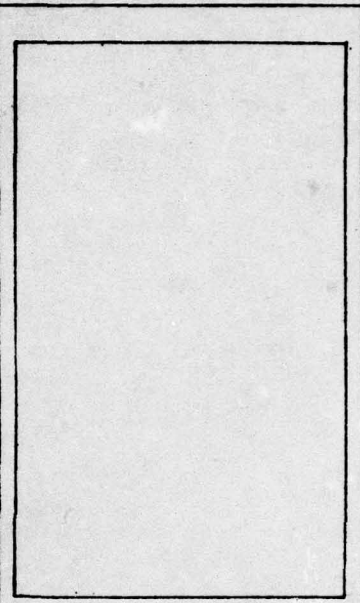
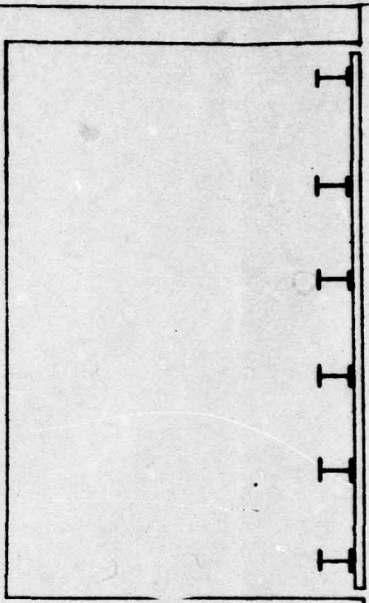
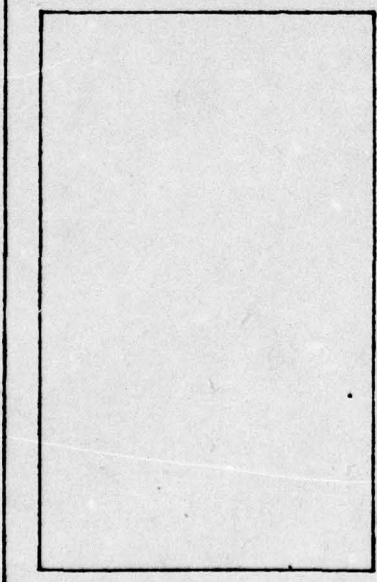
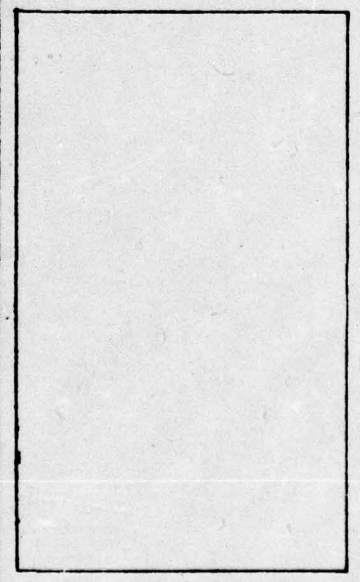
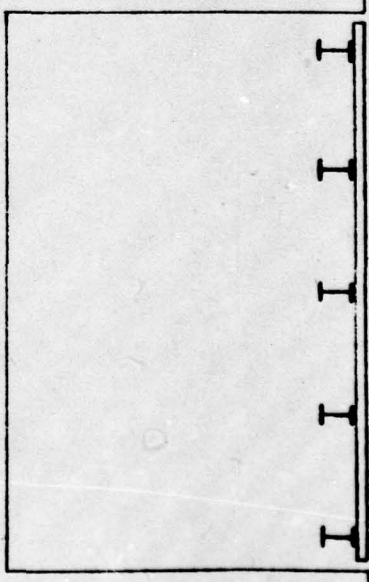
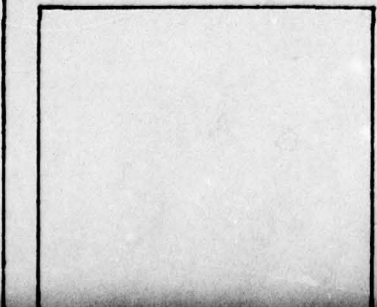
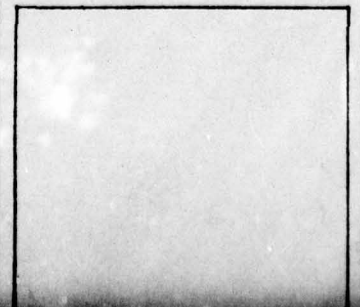

1							
NO.	DATE	BY	REVISION				
HOLES				PAINT			
RIVETS							
REF.							
ERECTION	BY	DATE	DRAWN BY	CHECKED BY	IN CHARGE OF		
FIELD CONN'S	<i>See Sh. E2</i>	<i>4-26-50</i>	<i>GOLDIE</i>	<i>GALLAGHER</i>	<i>HOLBROOK</i>		
FIELD PAINT							
INSPECTION	BY	CONSOLIDATED WESTERN STEEL CORPORATION LOS ANGELES, CALIFORNIA SUBSIDIARY OF UNITED STATES STEEL CORPORATION					
BLDG. PERMIT No.		<i>HOLMES & NARVER BUILDING NO. 1.</i>				ORDER NO. <i>48337</i>	
		ERECTION & ANCHOR BOLT PLAN				DRAWING NO. <i>EA</i>	

6

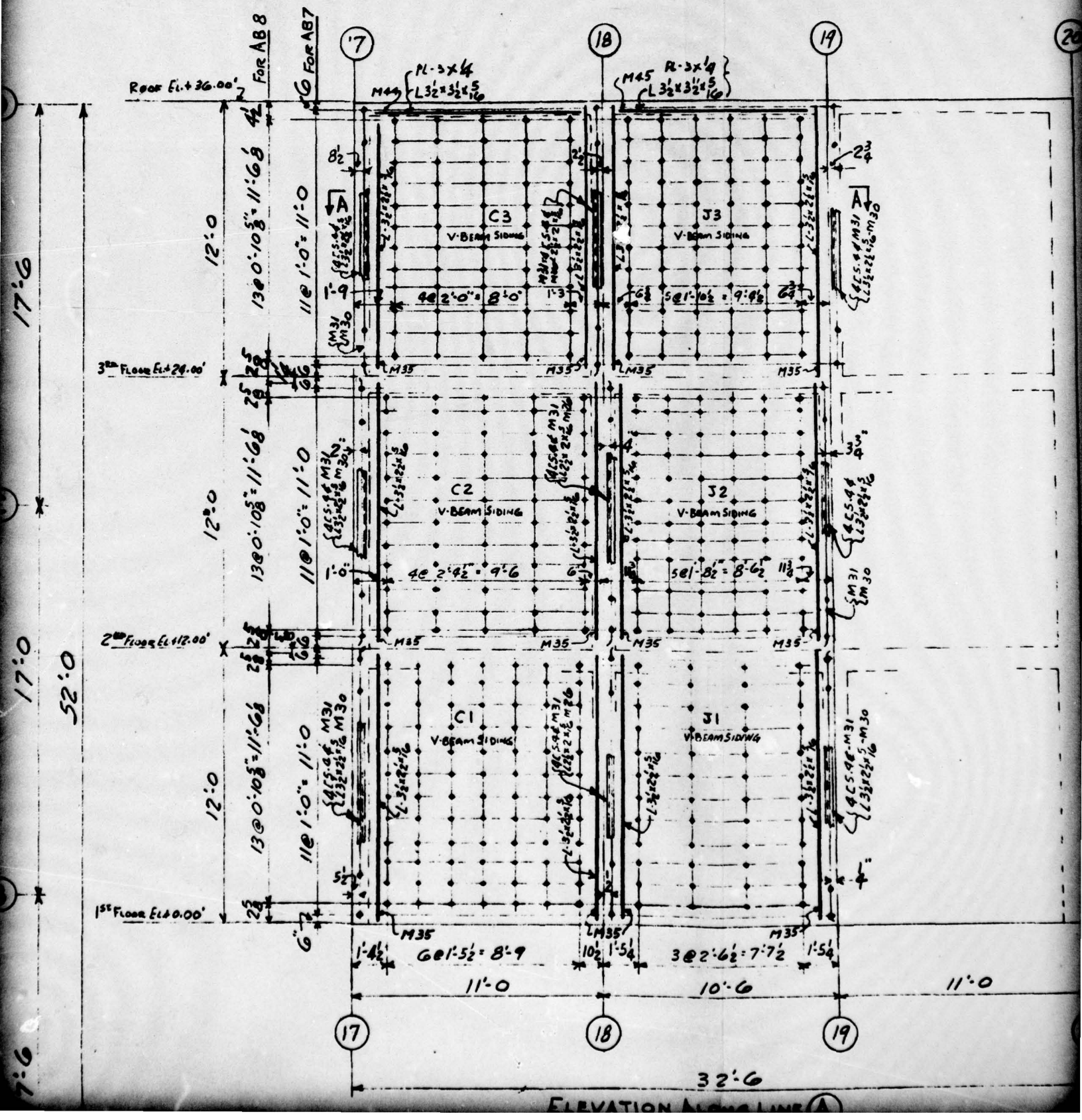
BYCE 80

UNCLASSIFIED

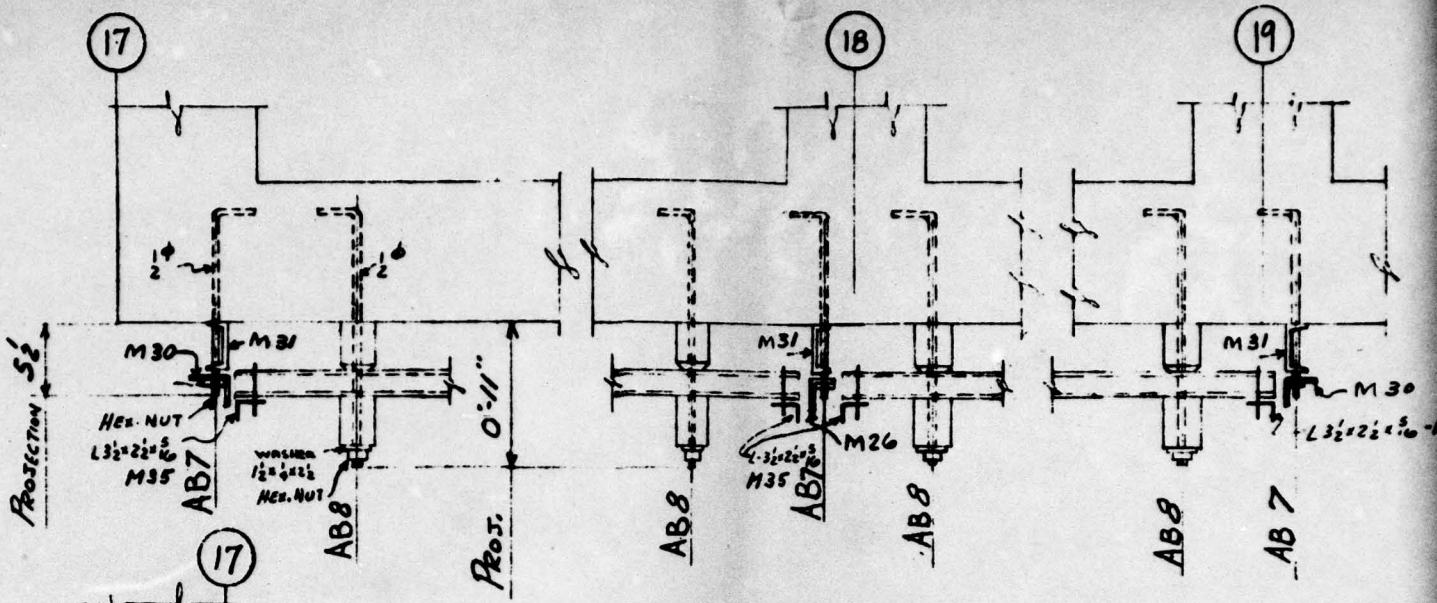


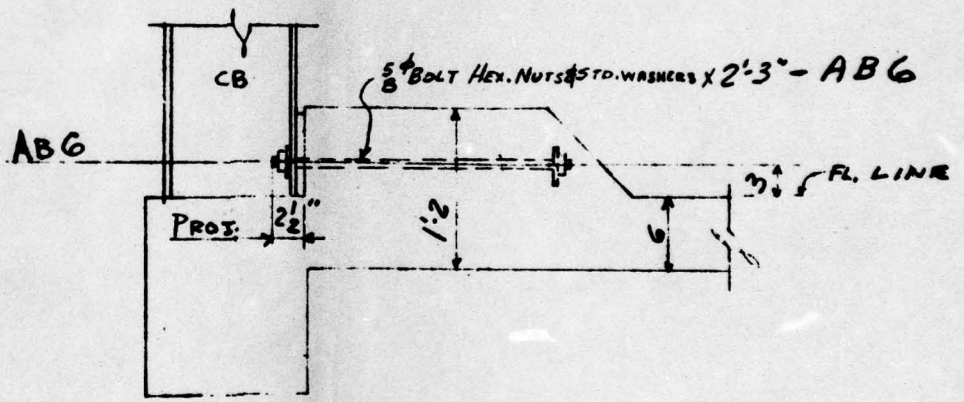
STANDARD
SECTION



ELEVATION ALONG LINE A

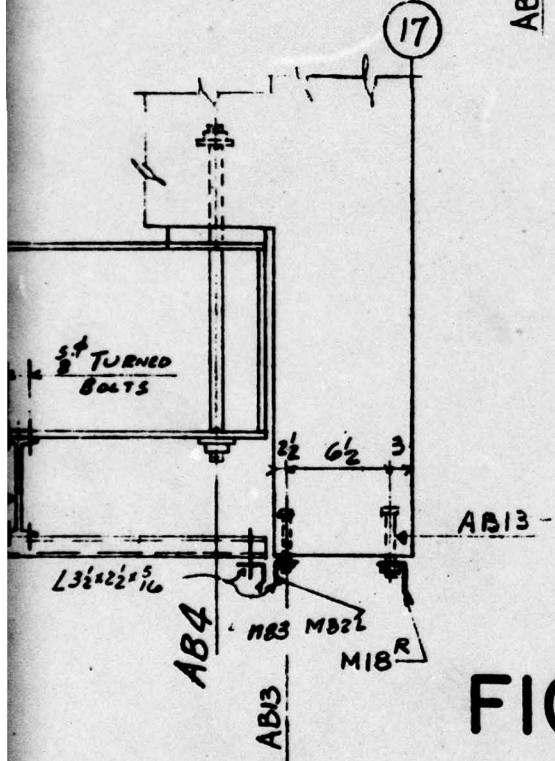


SECTION-AA (TYPICAL)



SECTION-CC (TYPICAL)

FIG. A2.50



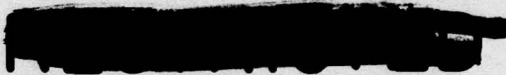
AN
AN
BA
GR
GR
NG
CB
CON
AC

ERE
FIE
FIE
INS
BLD

HOLES FOR CONNECTING V BEAMS
TO VERTICAL GIRTS TO BE DRILLED
IN FIELD

M 30
12:10 - M35

WORK THIS DRAWING WITH **UNCLASSIFIED**



ANCHOR BOLTS FURNISHED BY C.W.S.C.
 ANCHOR BOLTS SET BY OTHERS
 BASE PLATES SET BY NONE
 GROUT FURNISHED BY OTHERS
 GROUT POURED BY OTHERS
 NOTE: ANCHOR BOLTS MUST BE SET ACCURATELY TO LINE,
 CENTERS AND ELEVATION AS SHOWN ON THIS DRAWING.
 CONSOLIDATED WESTERN STEEL CORPORATION NOT RESPONSIBLE FOR THE
 ACCURACY OF ANCHOR BOLT SETTING WHEN SET BY OTHERS.

NO.	DATE	BY	REVISION
1			
HOLES		PAINT	
RIVETS			
REF.			

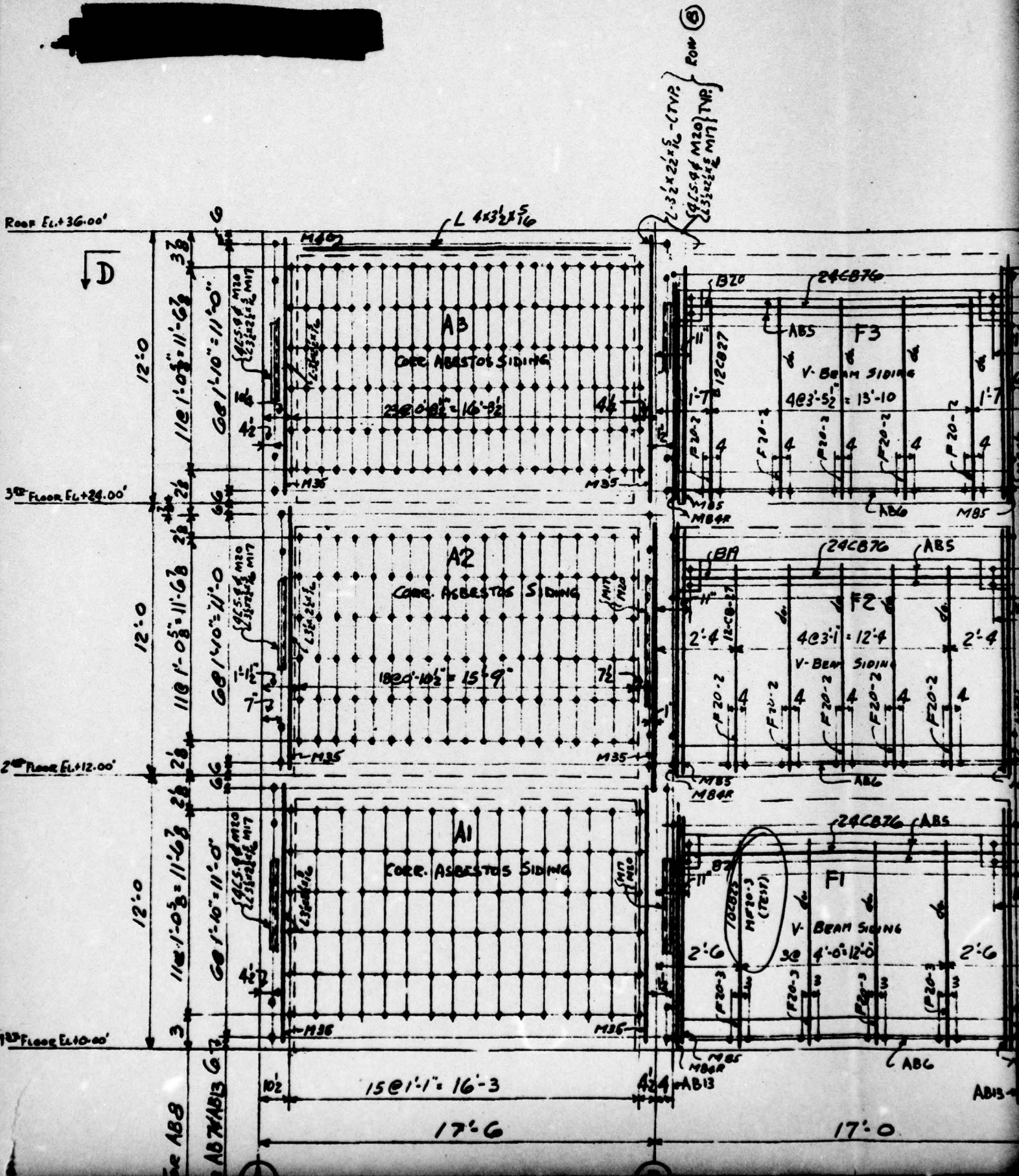
ERECTION BY _____
 FIELD CONN'S See Sh. E2
 FIELD PAINT _____
 INSPECTION BY _____
 BLDG. PERMIT No. _____

DATE <u>5-1-50</u>	DRAWN BY <u>GOLDIE</u>	CHECKED BY <u>GALLAGHER</u>	IN CHARGE OF <u>Holbrook</u>
CONSOLIDATED WESTERN STEEL CORPORATION LOS ANGELES, CALIFORNIA SUBSIDIARY OF UNITED STATES STEEL CORPORATION			
HOLMES & NARVER BUILDING NO. 7			ORDER NO. <u>42357</u>
ERECTION & ANCHOR BOLT PLAN			DRAWING NO. <u>E5</u>

6

18389

UNCLASSIFIED



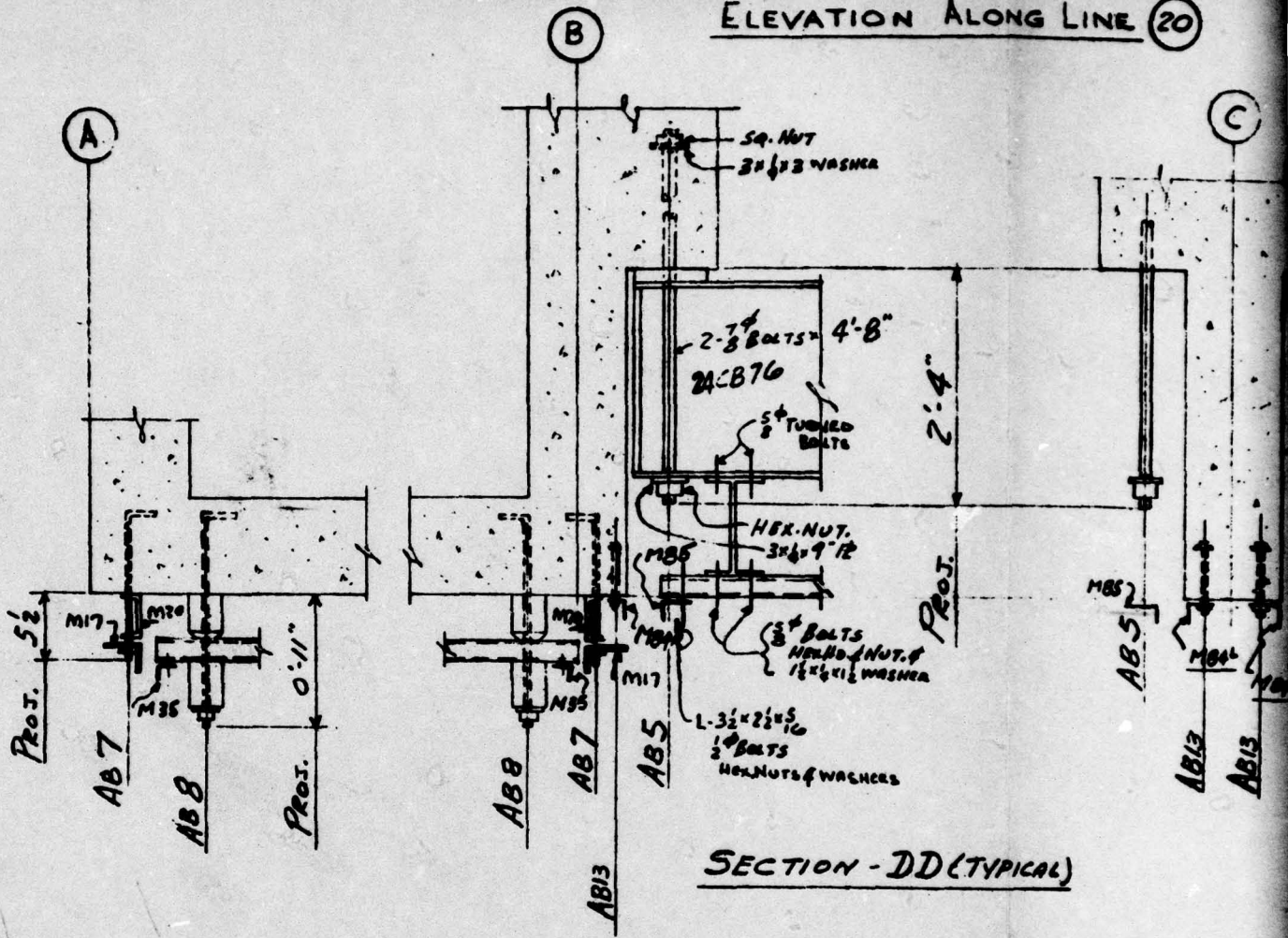
3

PAGE 82

20072410

52'-0

ELEVATION ALONG LINE (20)



4

UNCLASSIFIED

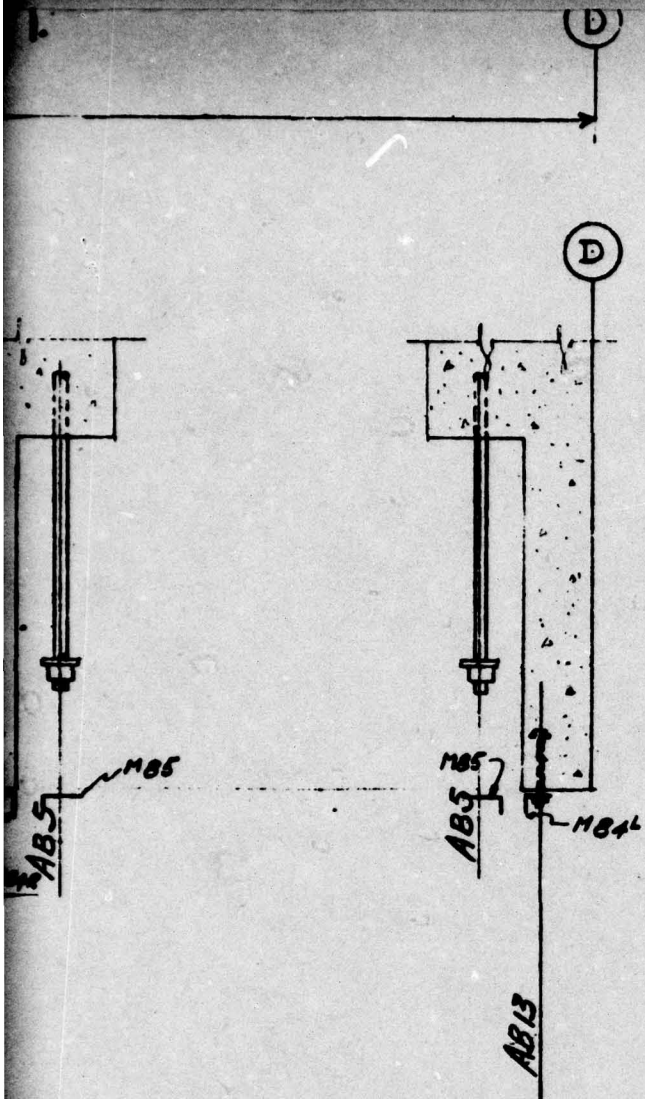
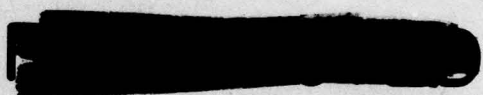


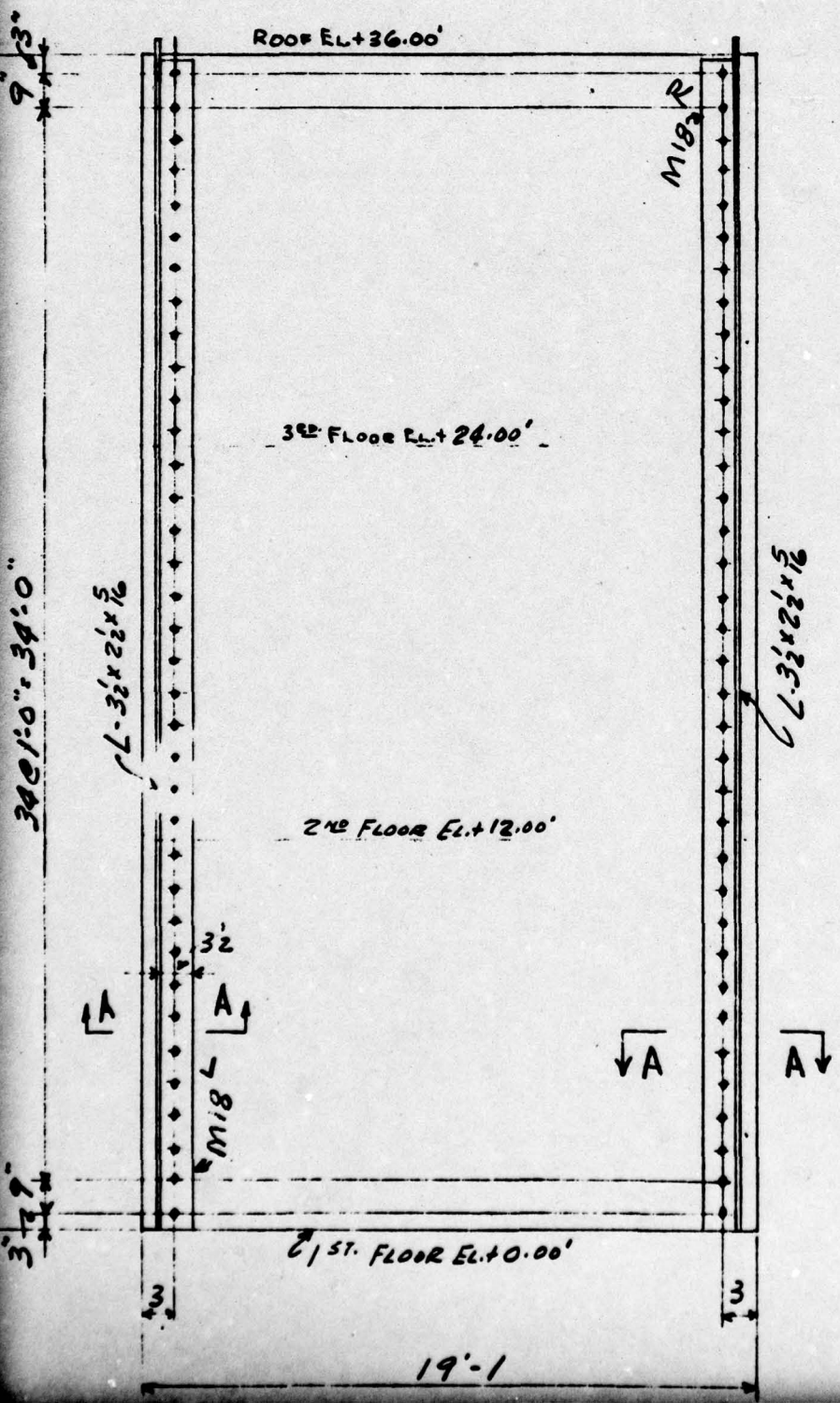
FIG. A2.51

UNCLASSIFIED
WORK THIS DRAWING WITH E 5



1				
NO.	DATE	BY	REVISION	
HOLES			PAINT	
RIVETS				
REF.				
DATE	DRAWN BY	CHECKED BY	IN CHARGE OF	
5-2-50	GOLDIE	GALLAGHER	HOLBROOK	
CONSOLIDATED WESTERN STEEL CORPORATION LOS ANGELES, CALIFORNIA SUBSIDIARY OF UNITED STATES STEEL CORPORATION				
HOLMES & NARVER BUILDING #7			ORDER NO. 48357	
ERECTOR & ANCHOR BOLT PLANT - ELEVATION			DRAWING BY EG	

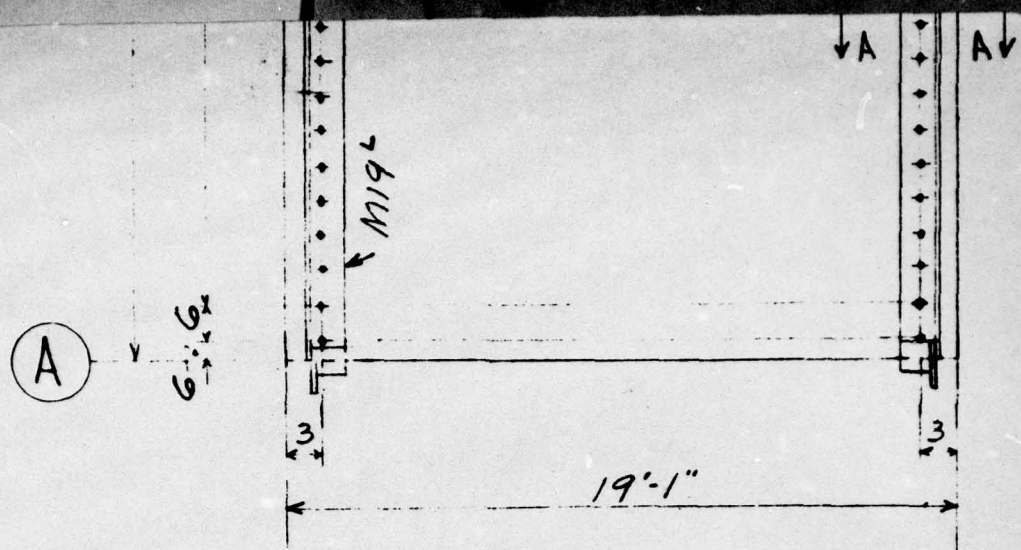
6



3

PAGE 83

1961 12 24 11 P

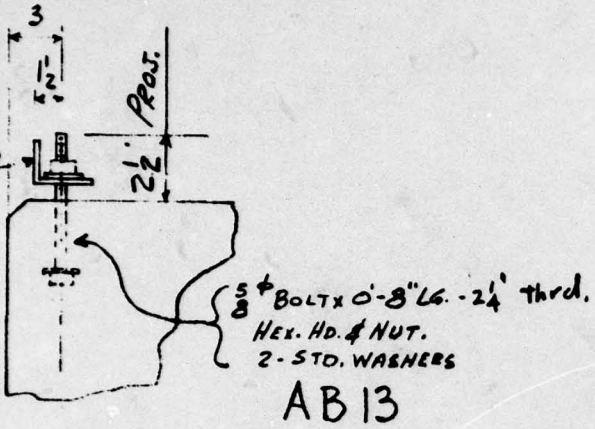


L-3 1/2 x 2 1/2

ROOF PLAN FOR BUILDINGS NO. 3 & NO. 4 E/ NO. 5

4

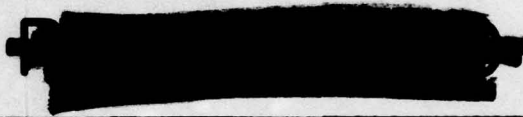
ELEVATION ALONG LINES (A) & (D)



SECTION - AA
(TYPICAL)

FIG. A2.52

UNCLASSIFIED

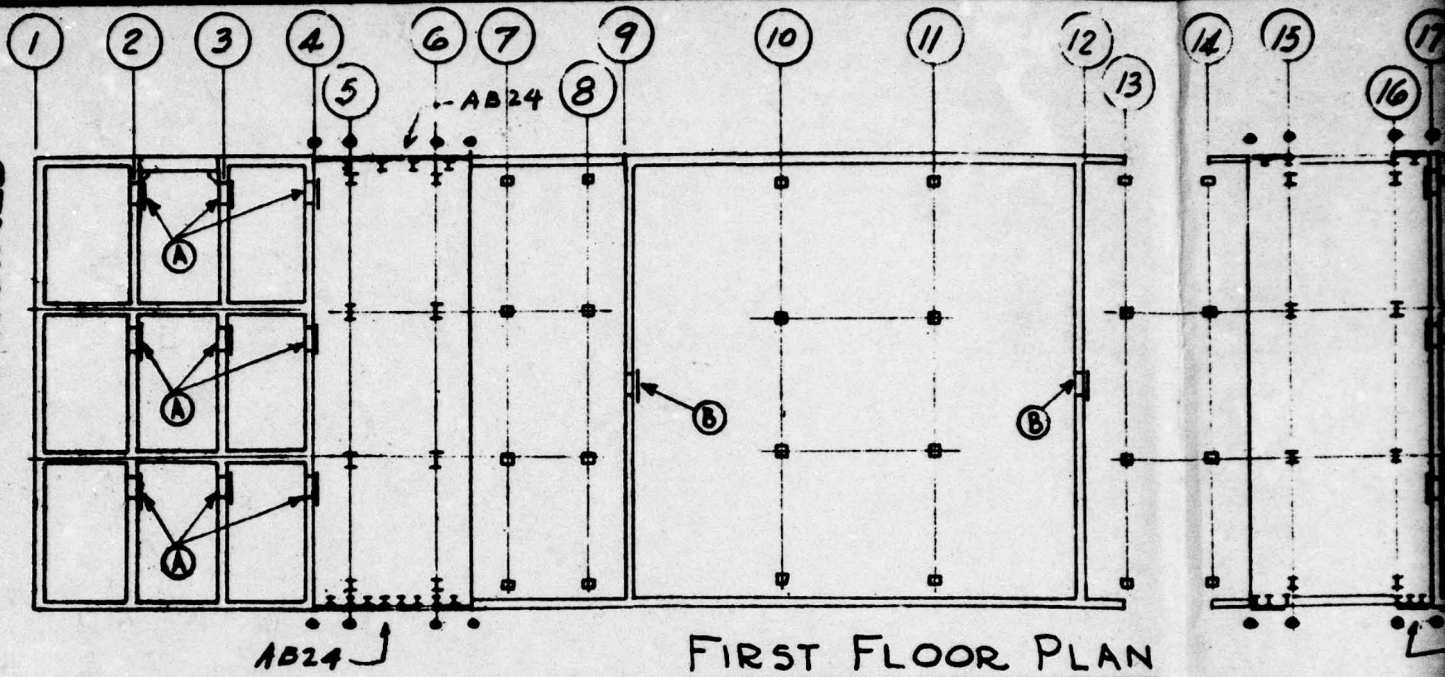


ANCHOR BOLTS FURNISHED BY C.W.S.C.
ANCHOR BOLTS SET BY OTHERS
BASE PLATES SET BY NONE
GROUT FURNISHED BY OTHERS
GROUT POURED BY OTHERS
NOTE: ANCHOR BOLTS MUST BE SET ACCURATELY TO LINE,
CENTERS AND ELEVATION AS SHOWN ON THIS DRAWING.
CONSOLIDATED WESTERN STEEL CORPORATION NOT RESPONSIBLE FOR THE
ACCURACY OF ANCHOR BOLT SETTING WHEN SET BY OTHERS.

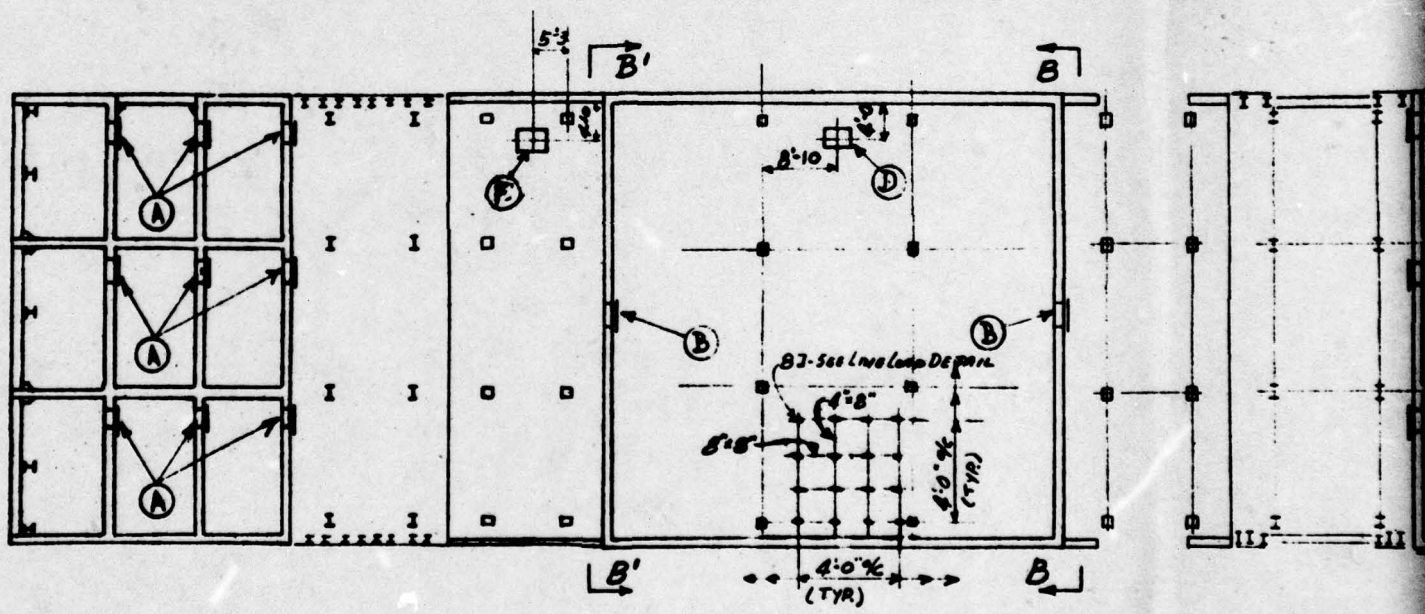
ERECTION BY OTHERS
FIELD CONN'S Sec. 5h. E2
FIELD PAINT _____
INSPECTION BY _____
BLDG. PERMIT No. _____

NO.	DATE	BY	REVISION	
1				
HOLES			PAINT	
RIVETS				
REF.				
DATE	DRAWN BY	CHECKED BY	IN-CHARGE OF	
5-3-50	GOLDIE	GALLAGHER	Holmes & Narver	
CONSOLIDATED WESTERN STEEL CORPORATION LOS ANGELES, CALIFORNIA SUBSIDIARY OF UNITED STATES STEEL CORPORATION				
HOLMES & NARVER BUILDINGS NO. 3 & NO. 4 & NO. 5			49357	
ERECTION & ANCHOR BOLT PLAN			57	

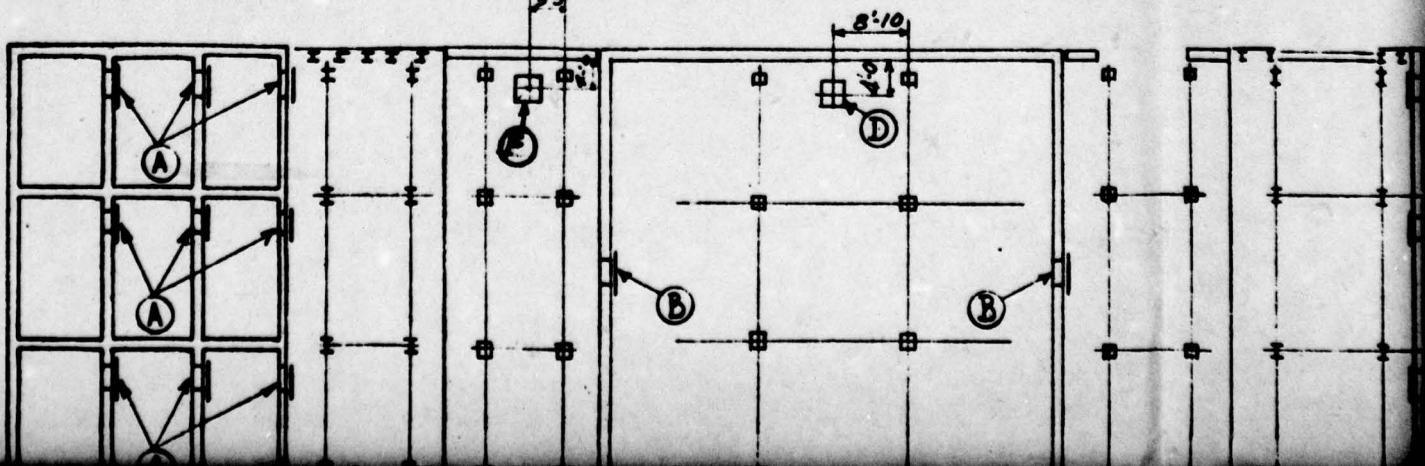
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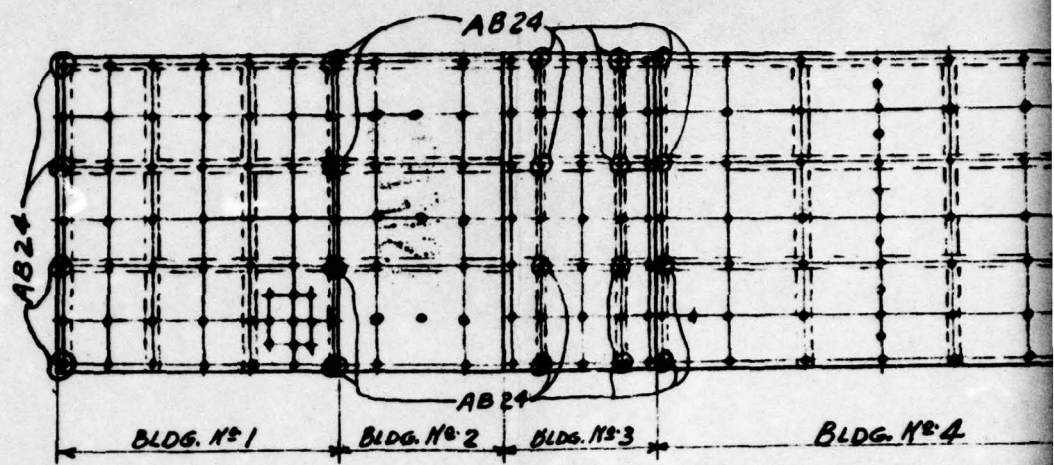
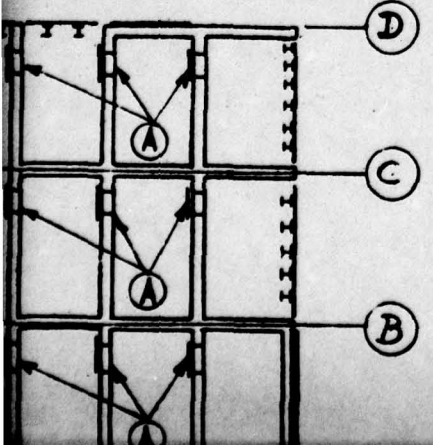
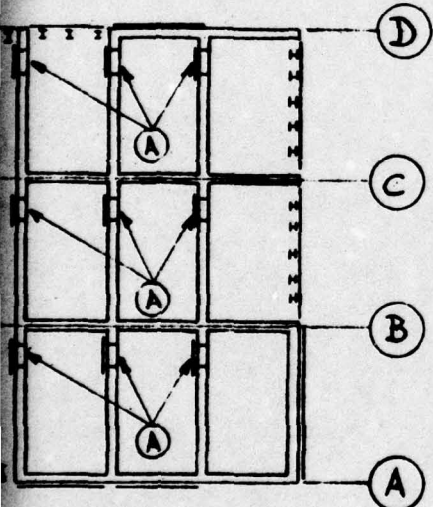
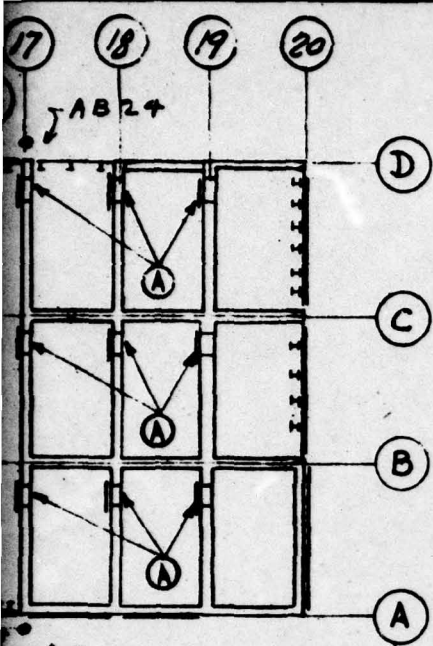


FIRST FLOOR PLAN

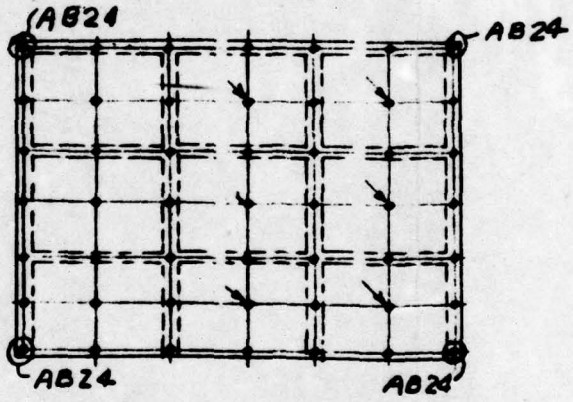


SECOND FLOOR PLAN





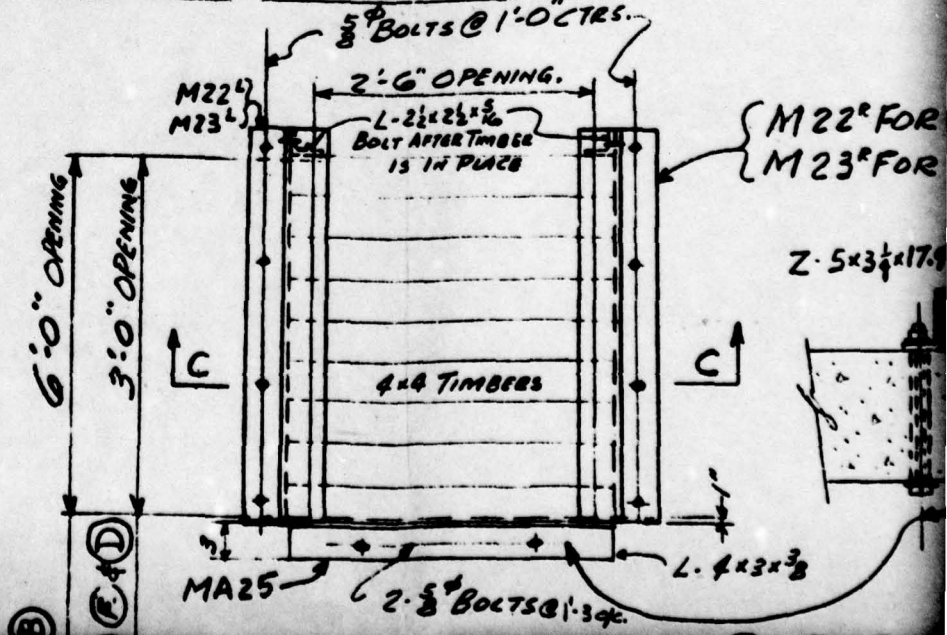
ELEVATION ALONG LINE
ELEVATION ALONG LINE
 (SHOWING LOCATION OF SURVEY

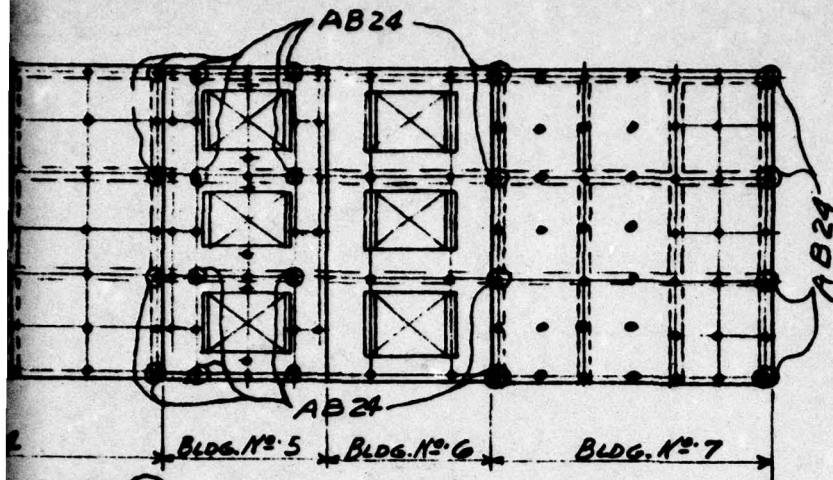


ELEVATION ALONG LINE ① - SHOWN
ELEVATION ALONG LINE ②① - SIMILAR
 (SHOWING LOCATION OF SURVEY POINTS) AB 24



SEC
SEC

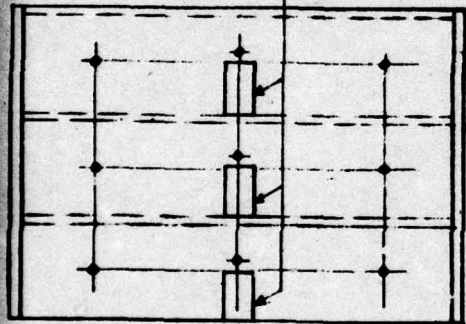




LINE (A) - SHOWN

LINE (D) - OPP.

(SURVEY POINTS) AB24 (B)

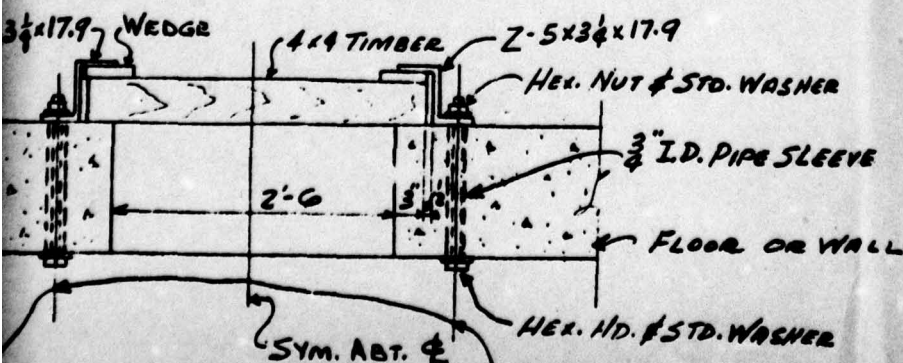


SECTION - BB - SHOWN

SECTION - B' B' - OPP.

FOR (A) (F) & (D)

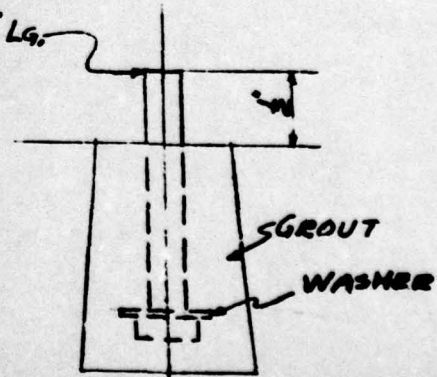
FOR (B)



SECTION - CC

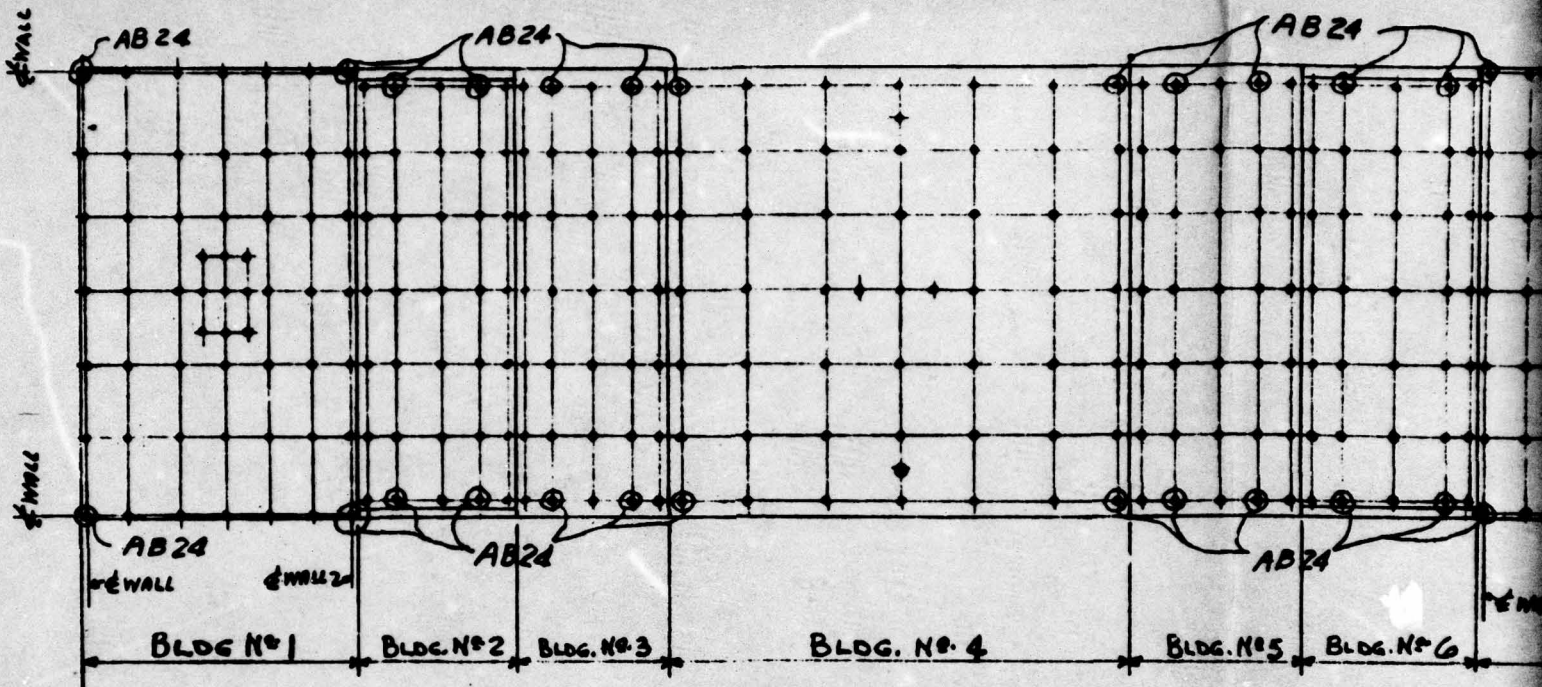
(AB10 FOR (A) & (B))

$\frac{1}{2}$ " ϕ BOLT x $1\frac{3}{4}$ " LG.



DETAIL OF SURVEY POINT
AB24

THIRD FLOOR PLAN



ROOF PLAN

(SHOWING LOCATION OF SURVEY POINTS) AB 24

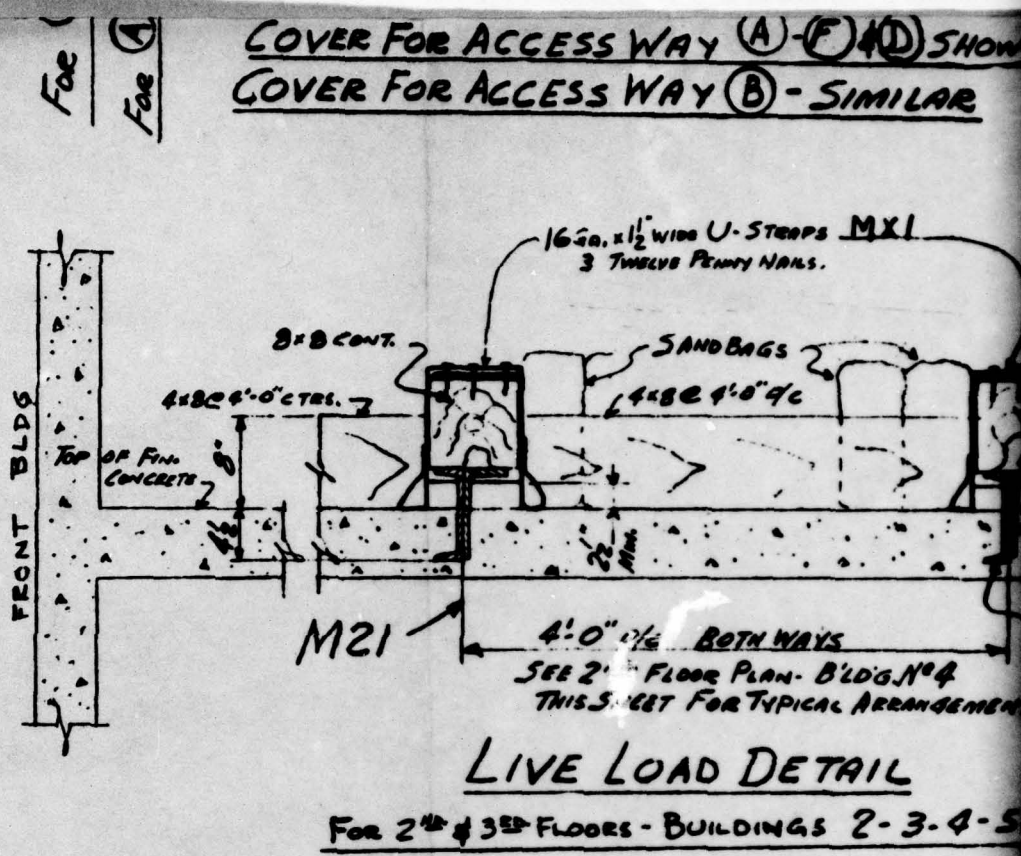
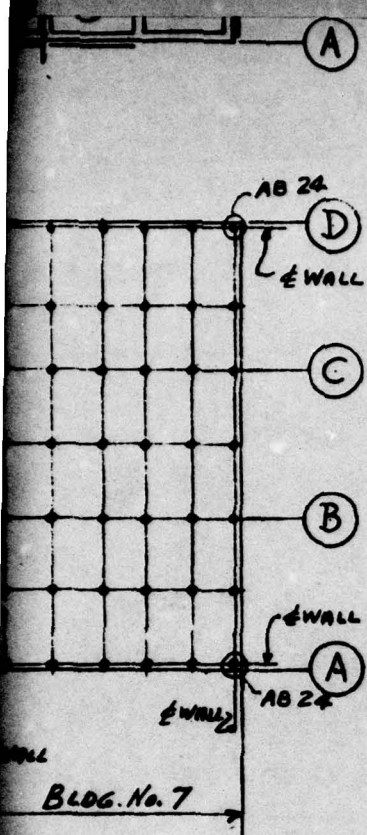


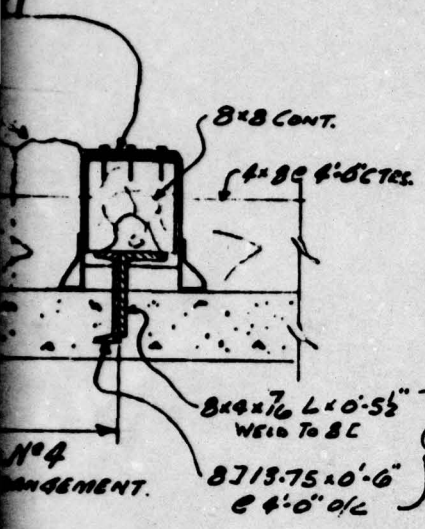
FIG. A2.53

SHOWN
LAR

AB 12 FOR (F)
AB 11 FOR (D)

NO DRIVIT PINS FURNISHED BY
CONSOLIDATED WESTERN STEEL, CORP.

NOTE:
LOCATION OF SURVEY POINTS
TO BE VERIFIED BY CONTRACTING OFFICER
BEFORE INSTALLATION.



M21

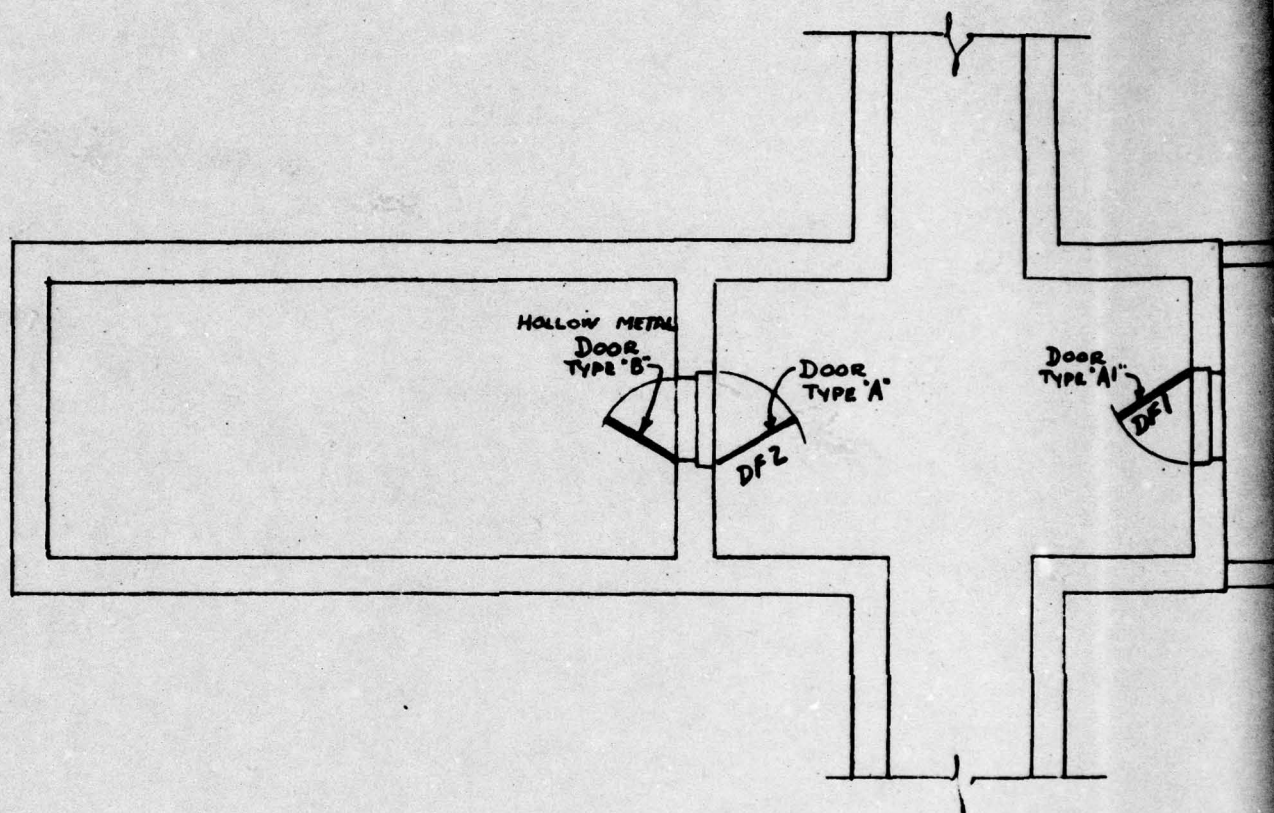
3-4-5#6

UNCLASSIFIED

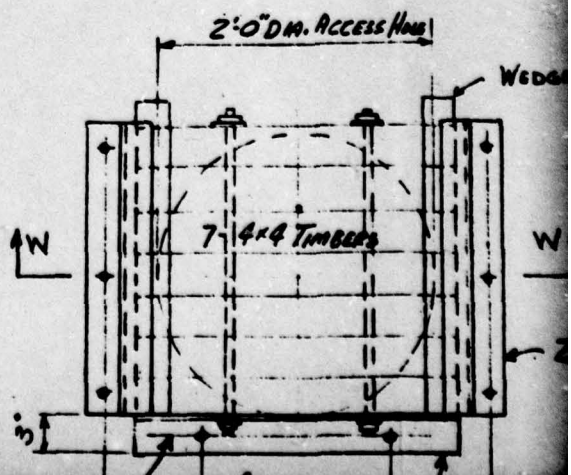


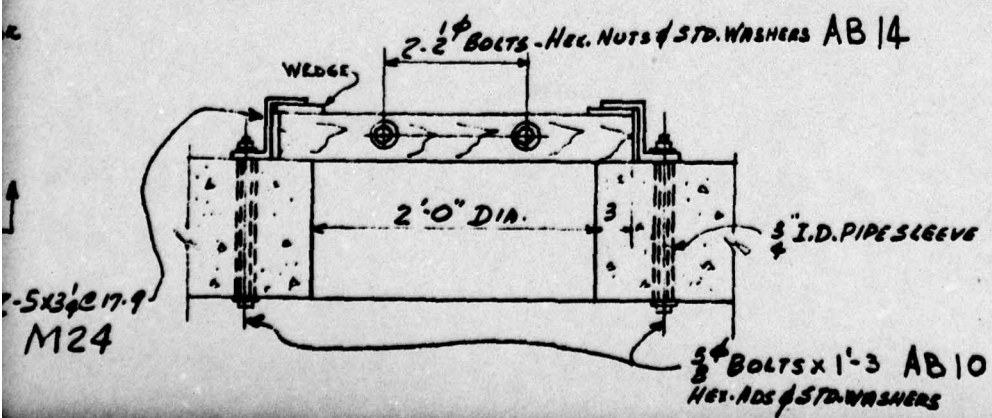
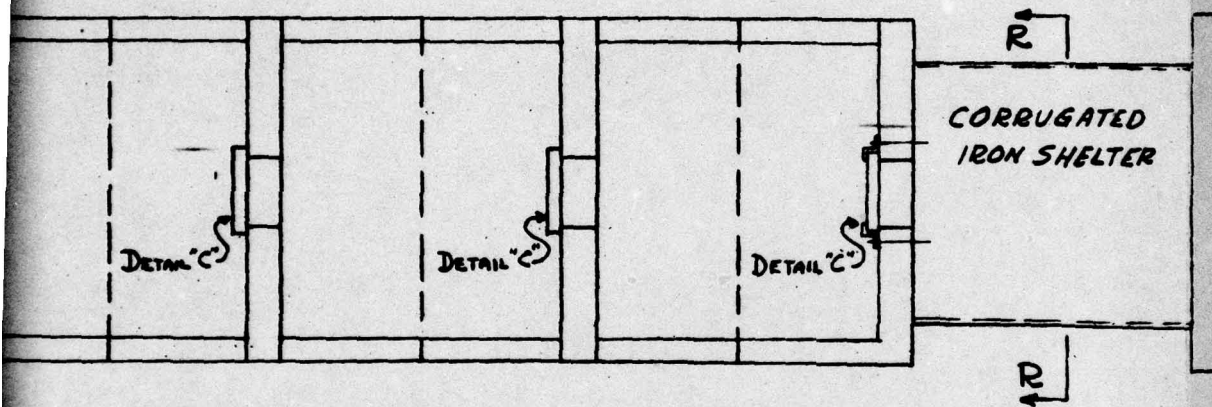
1				
NO.	DATE	BY	REVISION	
HOLES			PAINT	
RIVETS				
REF.				
DATE	DRAWN BY	CHECKED BY	IN CHARGE OF	
5-11-50	GOLDIE	GALLAGHER	HOLMES	
CONSOLIDATED WESTERN STEEL CORPORATION LOS ANGELES, CALIFORNIA SUBSIDIARY OF UNITED STATES STEEL CORPORATION				
HOLMES & NARVER			ORDER NO.	48357
LOCATION PLAN FOR SURVEY POINTS AND ACCESS WAYS			DRAWING NO.	E 8

UNCLASSIFIED



PLAN OF SHELTERS





1972 APR 11

DETAIL 'C' - COVER FOR

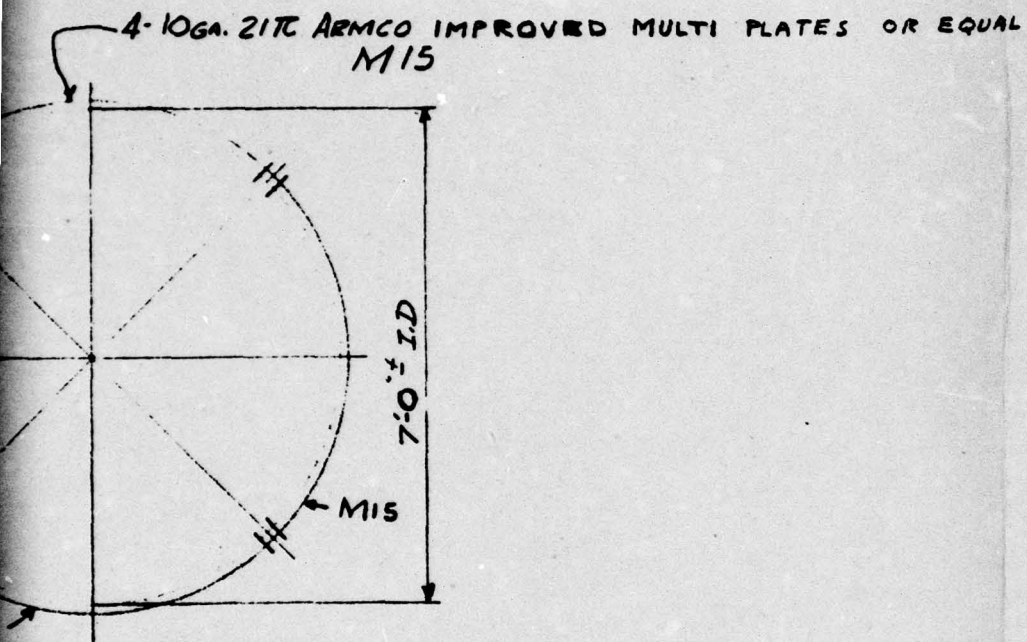
$\frac{3}{4}$ " BOLTS x $1\frac{1}{4}$ "
M16

M15 →

M15

5

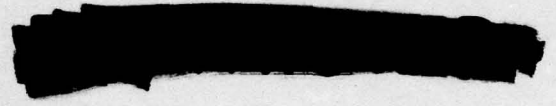
ACCESS WAY



SECTION-RR

FIG. A2.54

UNCLASSIFIED

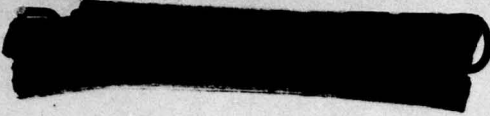


1				
NO.	DATE	BY	REVISION	
HOLES			PAINT	
RIVETS				
REF.				
DATE	DRAWN BY	CHECKED BY	IN CHARGE OF	
5-11-50	GOLDIE	GALLAGHER	HOLBROOK	
CONSOLIDATED WESTERN STEEL CORPORATION LOS ANGELES, CALIFORNIA SUBSIDIARY OF UNITED STATES STEEL CORPORATION.				
<i>HOLMES & NARVER</i>			ORDER NO.	48357
ERECTION PLAN OF SHELTERS			DRAWING NO.	E 9

6

BASE 82

UNCLASSIFIED



(D)

52'-0"

FACE OF SLAB

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

R. M54

M28R

L-3 1/2 x 2 1/2 x 5/8

L-3 1/2 x 2 1/2 x 5/8

L-3 1/2 x 2 1/2 x 5/8

M27

L-3 1/2 x 2 1/2 x 5/8

L-3 1/2 x 2 1/2 x 5/8

R. M54

8' FOR BLDG #6

8' FOR BLDG #2

23 @ 1'-0" = 23'-0"

23 @ 1'-0" = 23'-0"

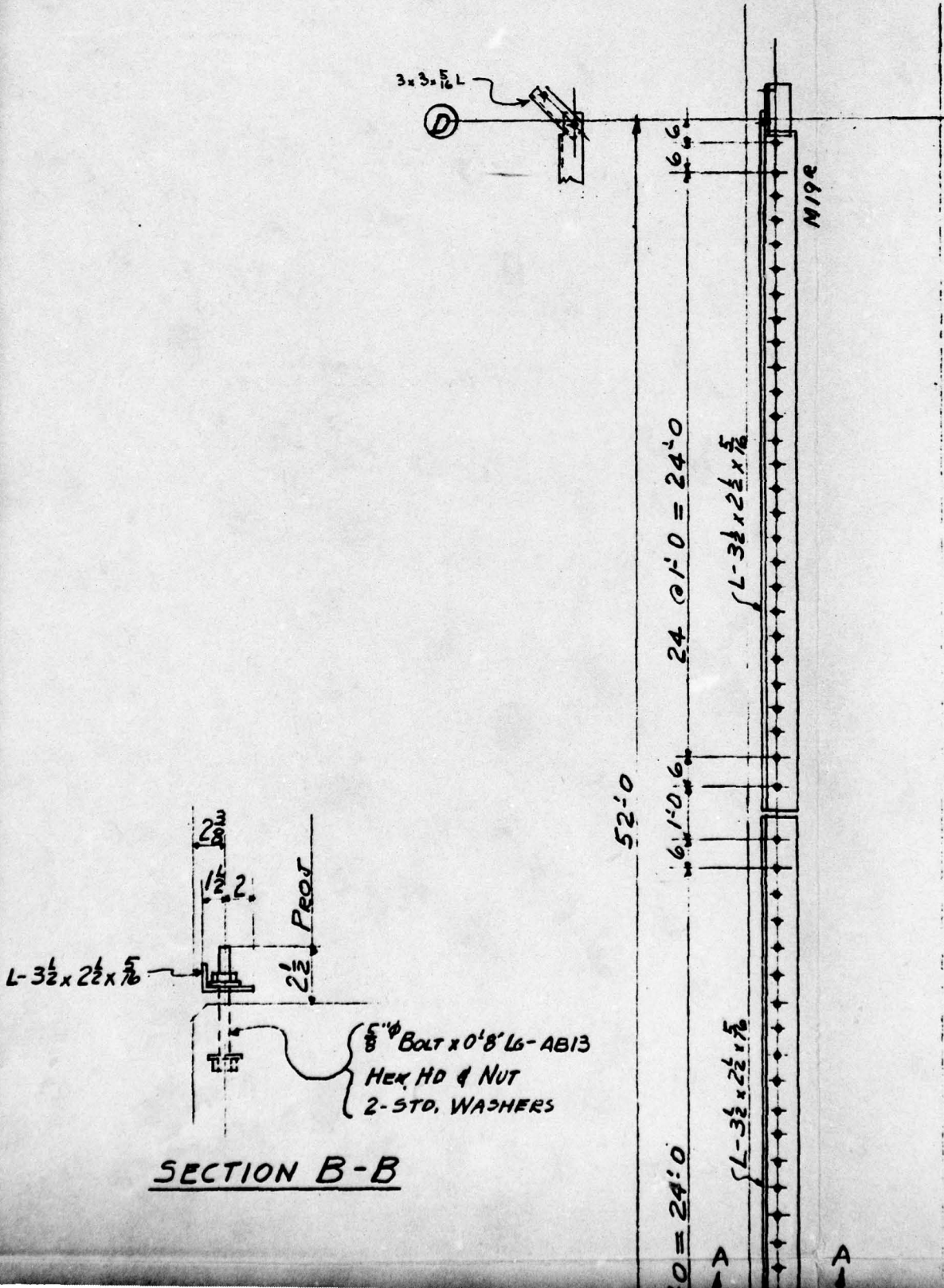
6'-6"

6'-6"

23 @ 1'-0" = 23'-0"

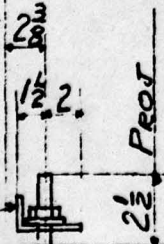
23 @ 1'-0" = 23'-0"



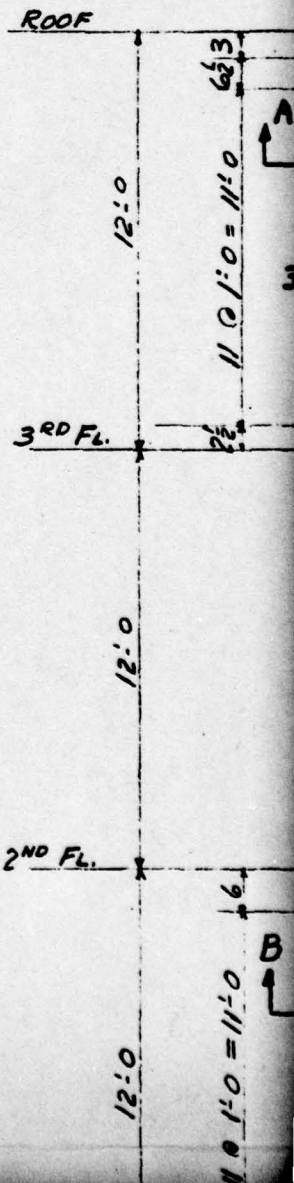


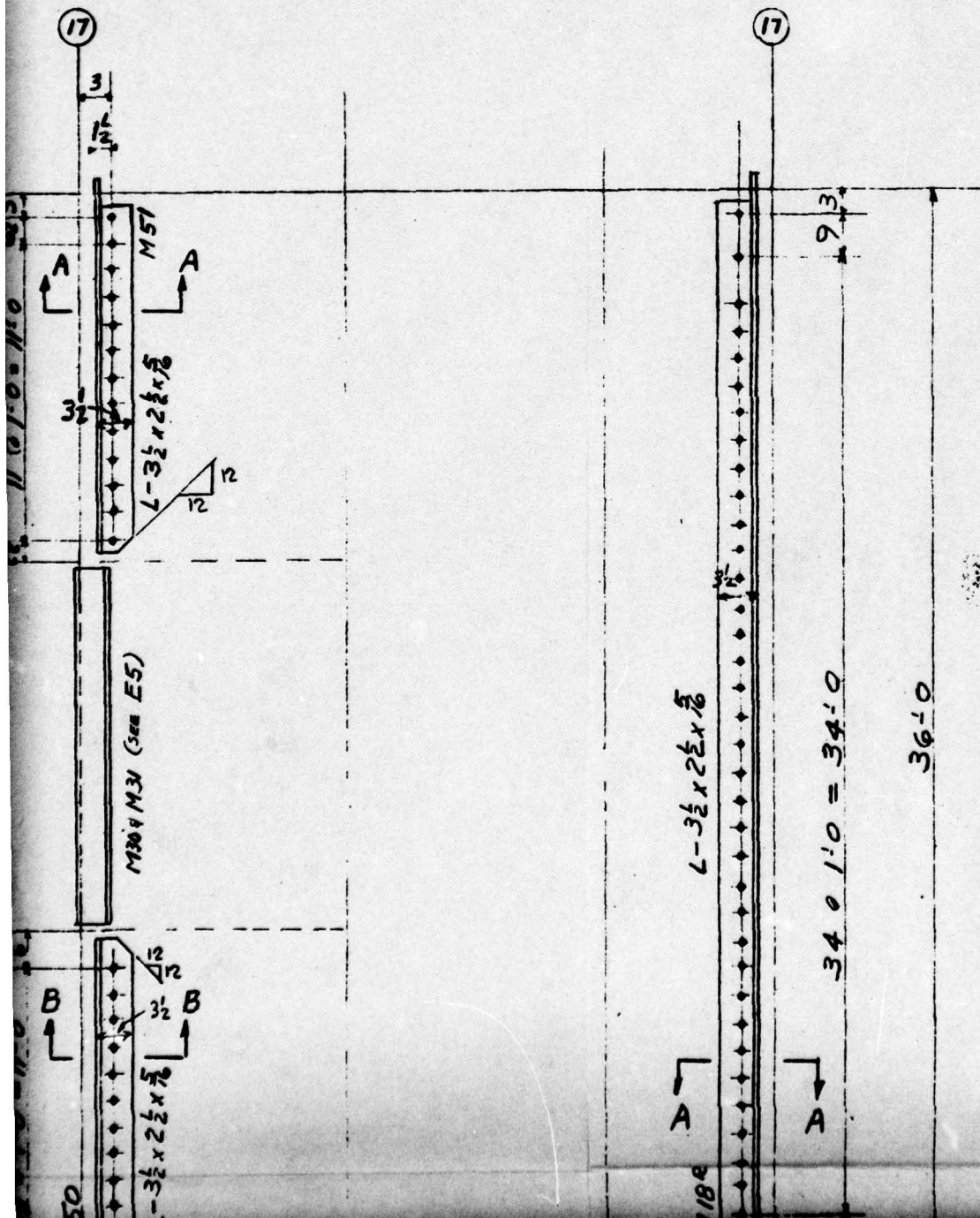
SECTION B-B

L-3 1/2 x 2 1/2 x 5/8

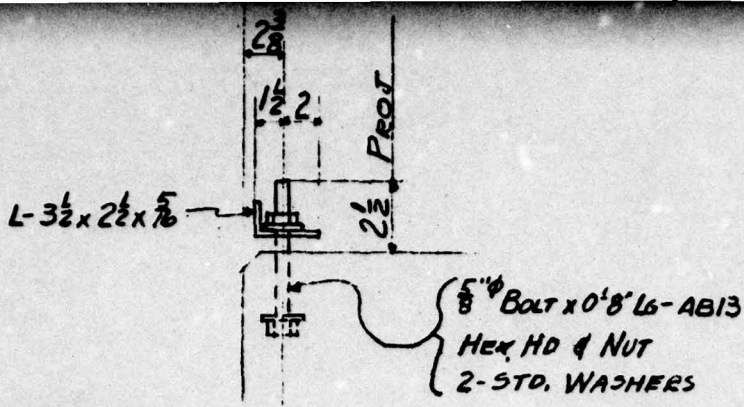


5/8" BOLT x 0'8" L6-AB13
 HEX HD & NUT
 2-STD. WASHERS

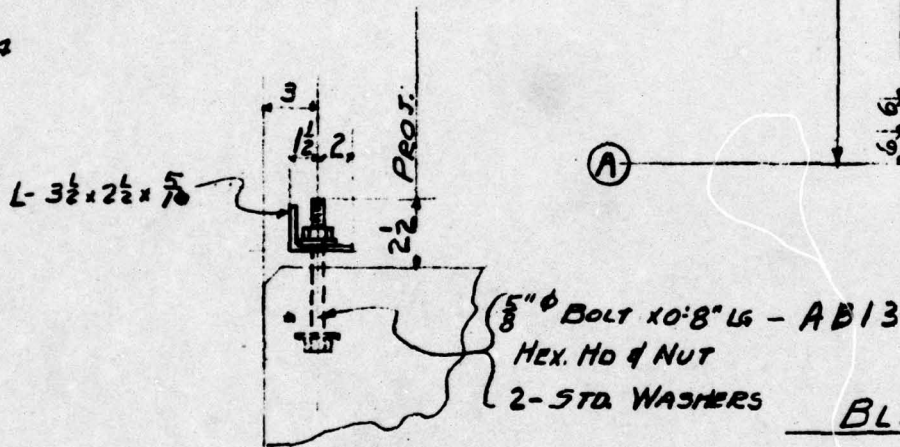




REINFORCEMENT



SECTION B-B



SECTION A-A

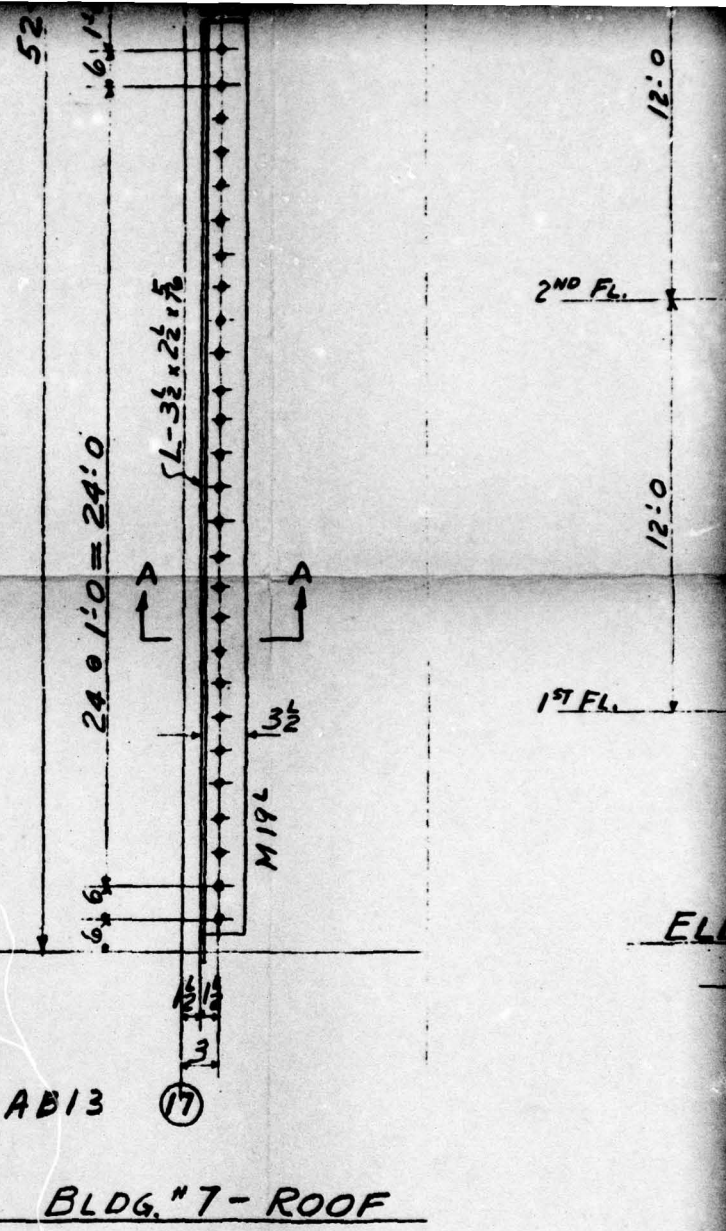
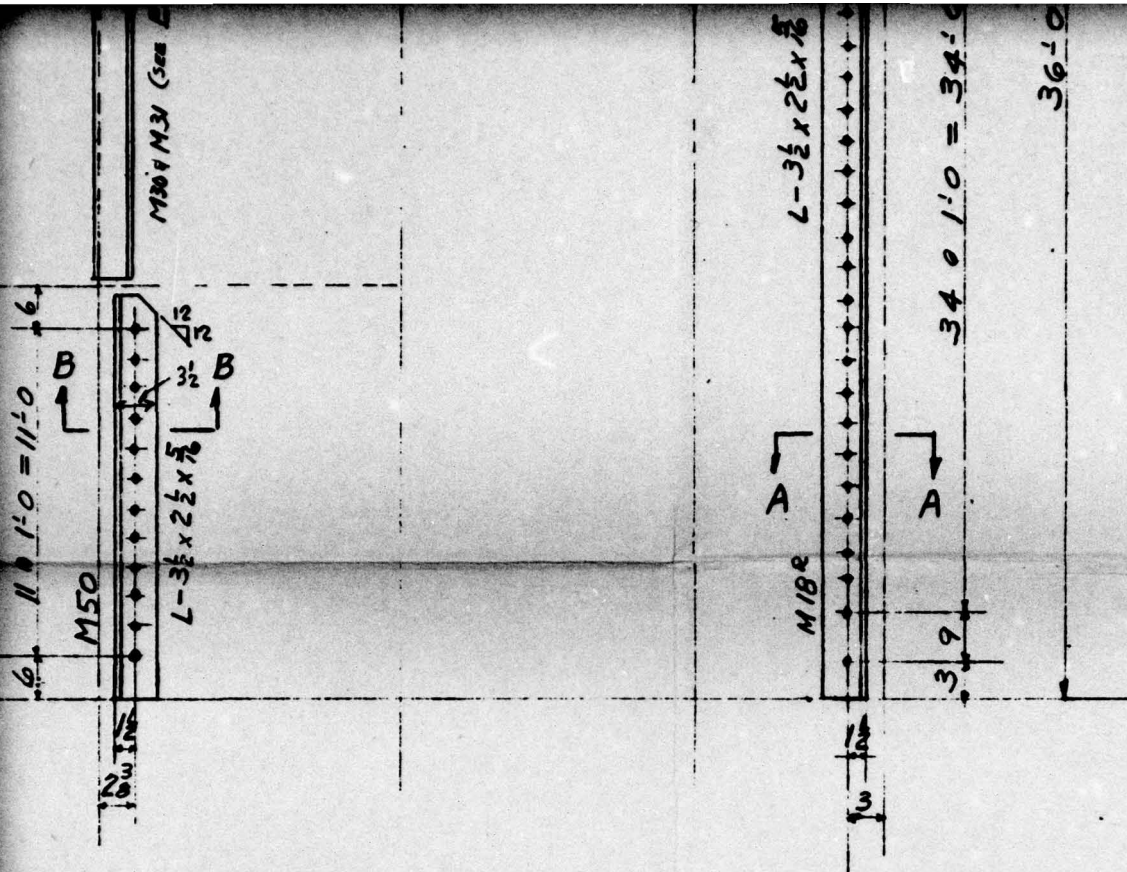


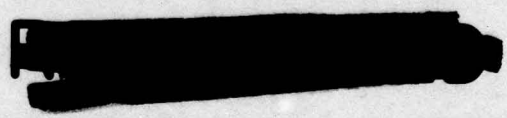
FIG. A2.55



ELEV. ALONG LINE (A)
BLDG. # 7

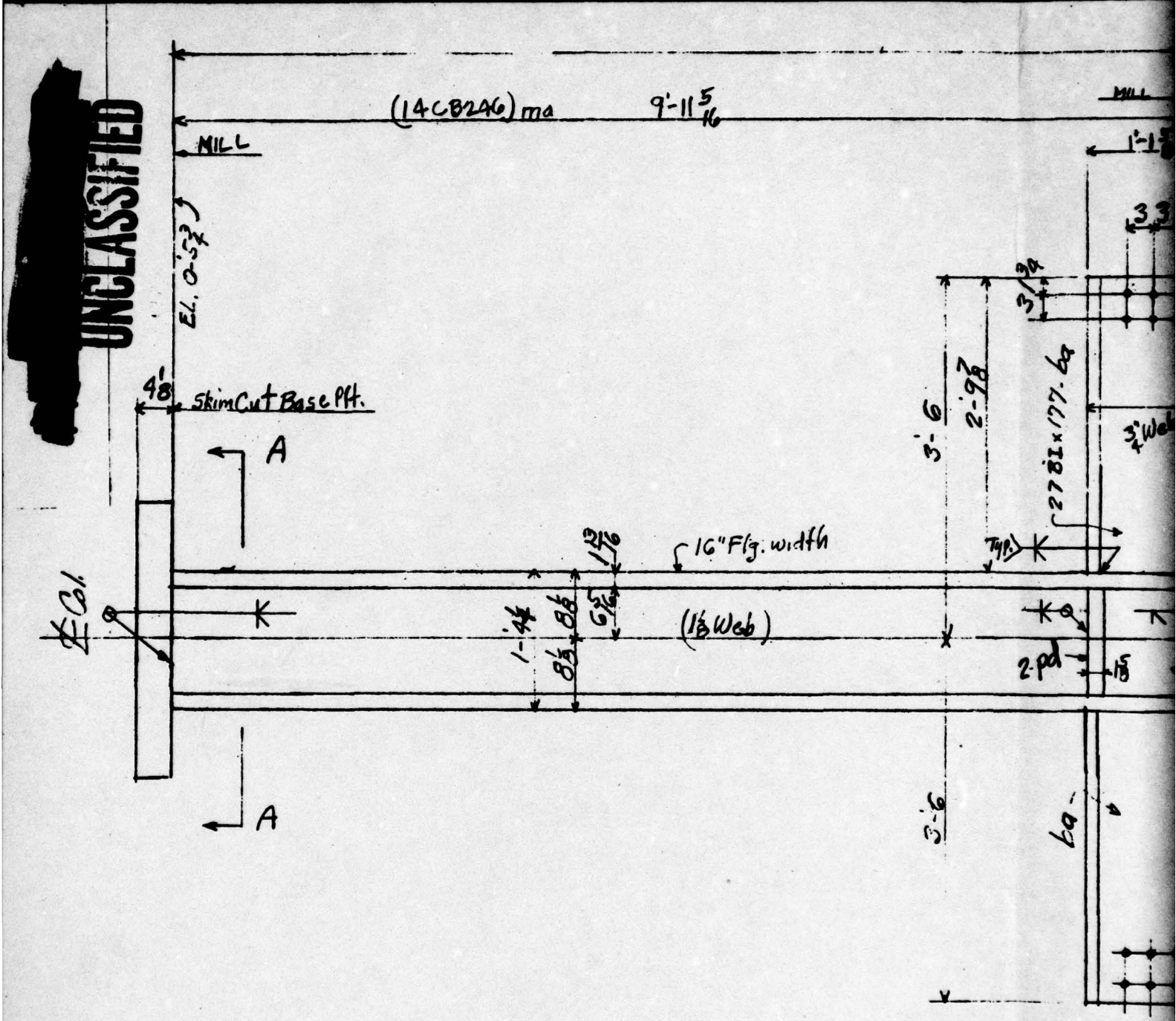
ELEV. ALONG LINE (D)
BLDG. # 7

UNCLASSIFIED

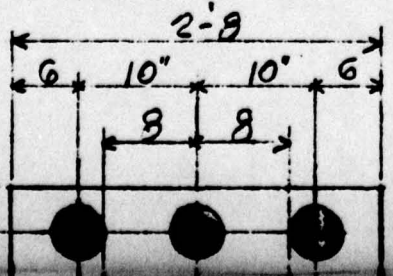


1				
NO.	DATE	BY	REVISION	
HOLES				PAINT
RIVETS				
REF.				
DATE	DRAWN BY	CHECKED BY	IN CHARGE OF	
5-18-50	SLANGEN	GALLAGHER	HOLBROOK	
CONSOLIDATED WESTERN STEEL CORPORATION LOS ANGELES, CALIFORNIA SUBSIDIARY OF UNITED STATES STEEL CORPORATION				
HOLMES & NARVER BUILDINGS NO 2 & NO 6 & NO 7				ORDER NO. 48357
ANCHOR BOLT PLAN				DRAWER NO. E10

UNCLASSIFIED

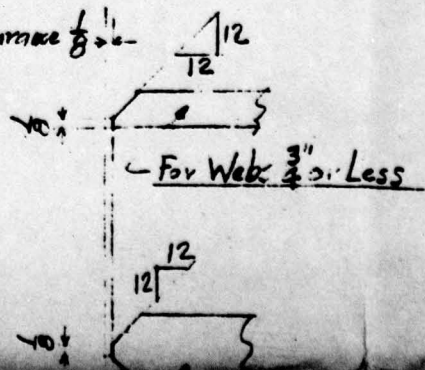


3/34 Holes



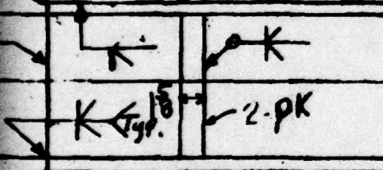
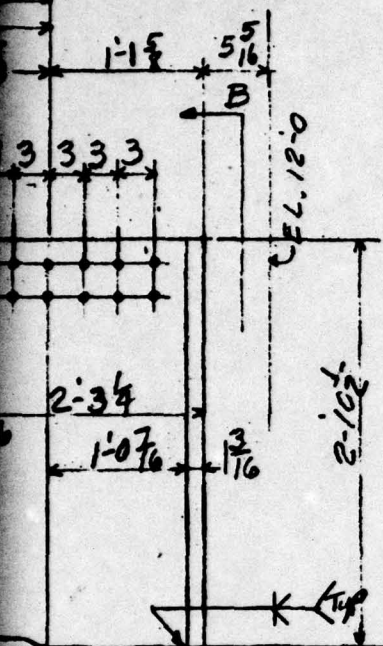
2 Holes For Grout

Min. Clearance 1/8"



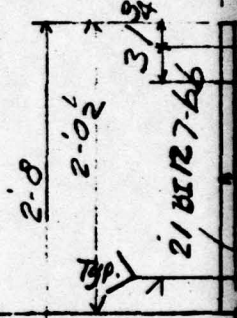
29'-1 1/8
 (14CB150) mb 12'-3 7/8

22'-2 3/8

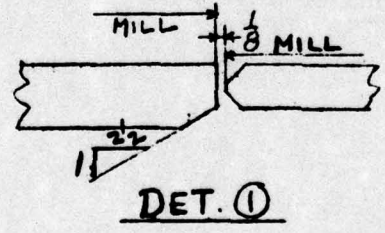


15 1/2" Fly. width

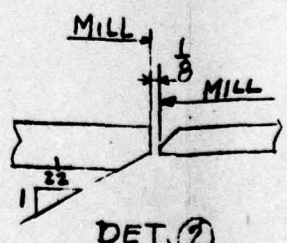
(3/4) Web



2-PS



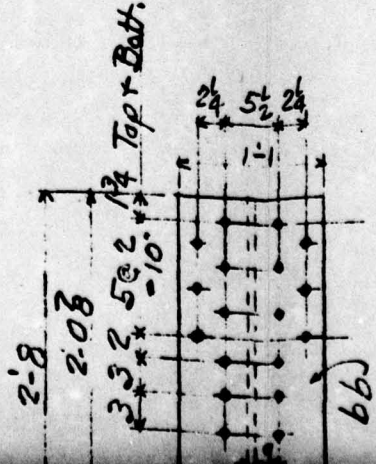
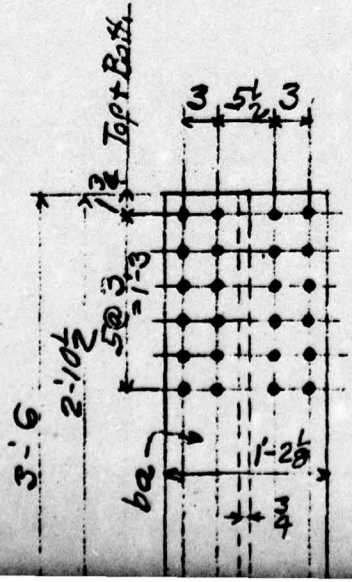
DET. ①



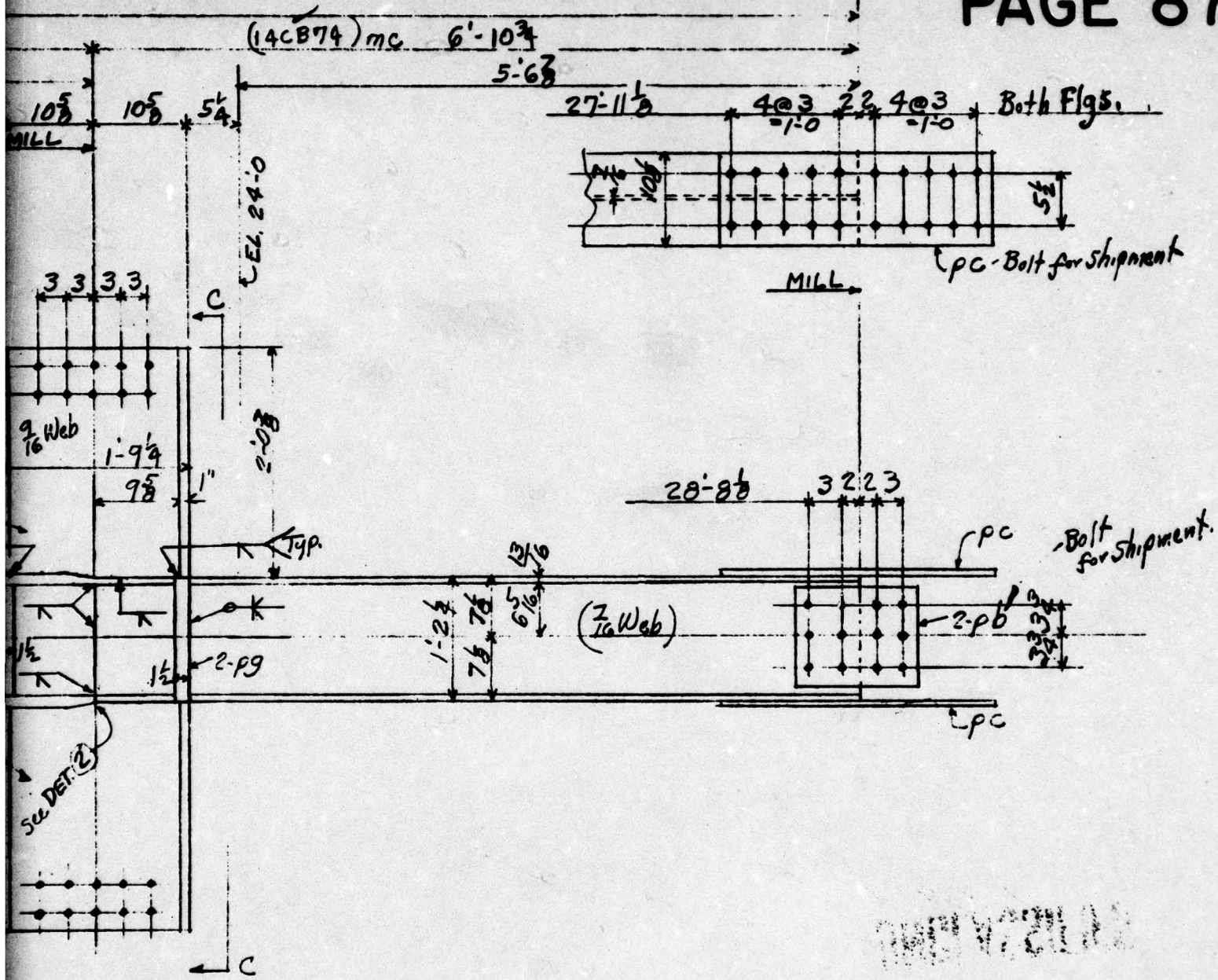
DET. ②

See DET. ①

B

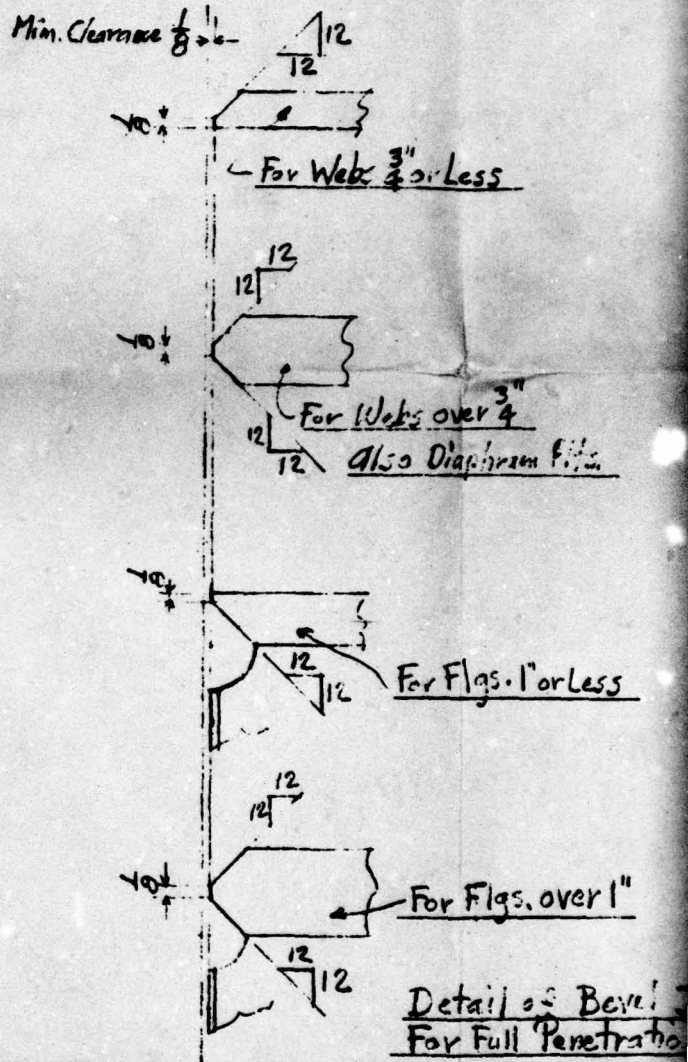
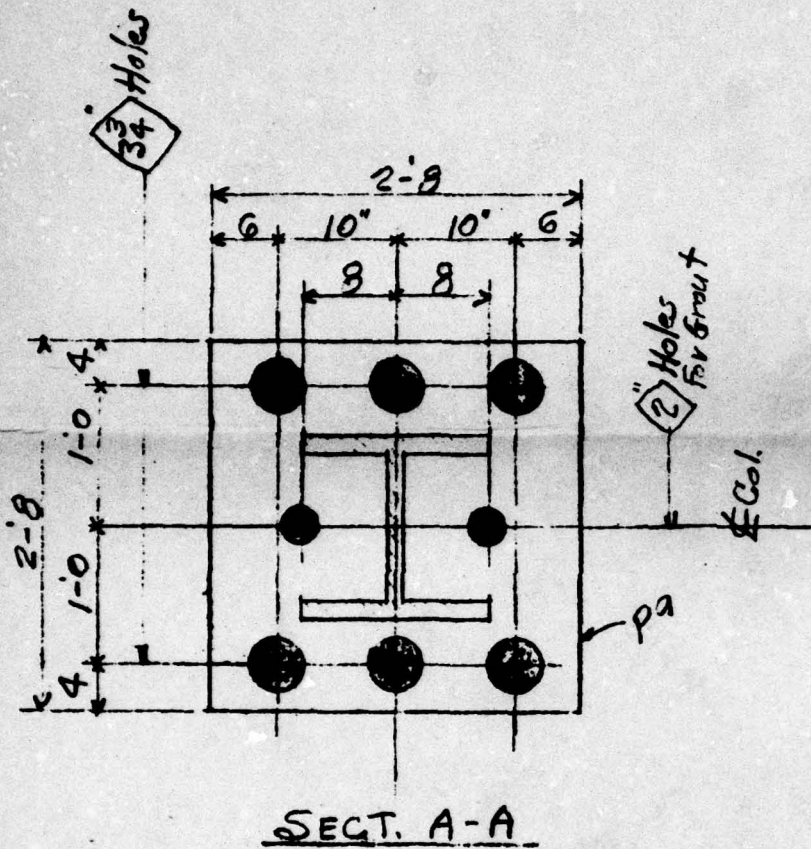


STR
 RE



- | | | |
|------|-----------|-------|
| One- | Col. B5-2 | |
| One- | C5-2 | |
| One- | B6-2 | |
| One- | C6-2 | Alike |
| One- | B15-6 | |
| One- | C15-6 | |

ESS
LIEVE



LINE	SHIP. PEG.	DETAIL. PEG.	DESCRIPTION	LENGTH OR PATTERN NO.	PIECE MARK	MATL.	DEPTS.	MILL LIST	PILE				LINE	SHIP. PEG.	DETAIL. PEG.
									1	2					
1			Col.		B5-2		SBS		1				18	16	21
2					C5-2				1				19	16	PL
3					B6-2				1				20	16	PL
4					C6-2				1				21	16	PL

UNCLASSIFIED

(10CB112) ma

MILL

9-11³/₁₆

EL. 0-5¹/₂

35
SKIN CUT
Base PL.

A

K

A

ECI

10³/₈ wide

(3/4 Web)

2-11
2-5¹/₁₆
2-0⁷/₁₆

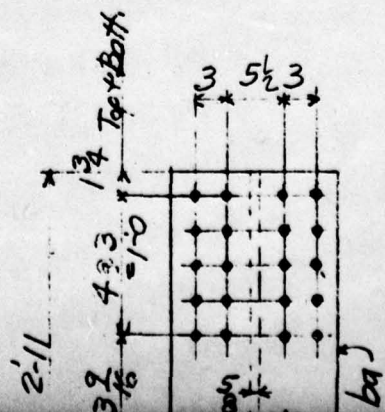
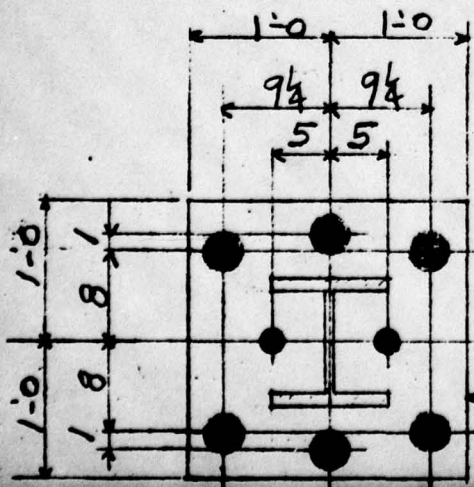
27BI145-ba

(5 WEB)

2-pd

1-1⁷/₁₆

3 3 3

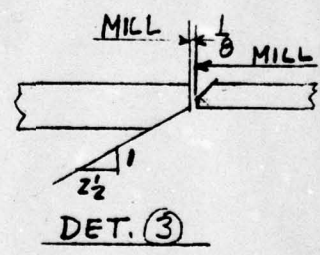
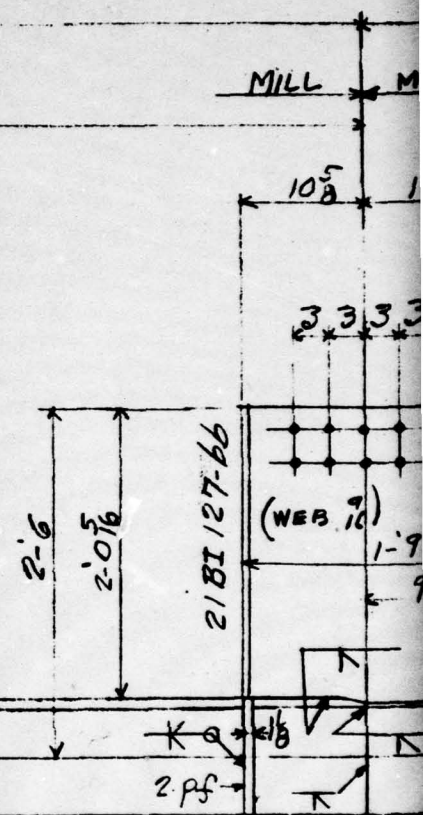
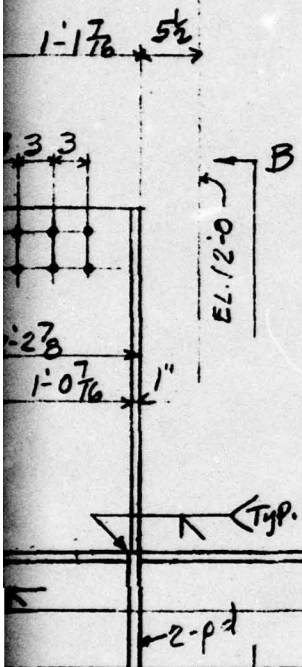


1
2

29'-15/8

2'-23/8

12'-31/16



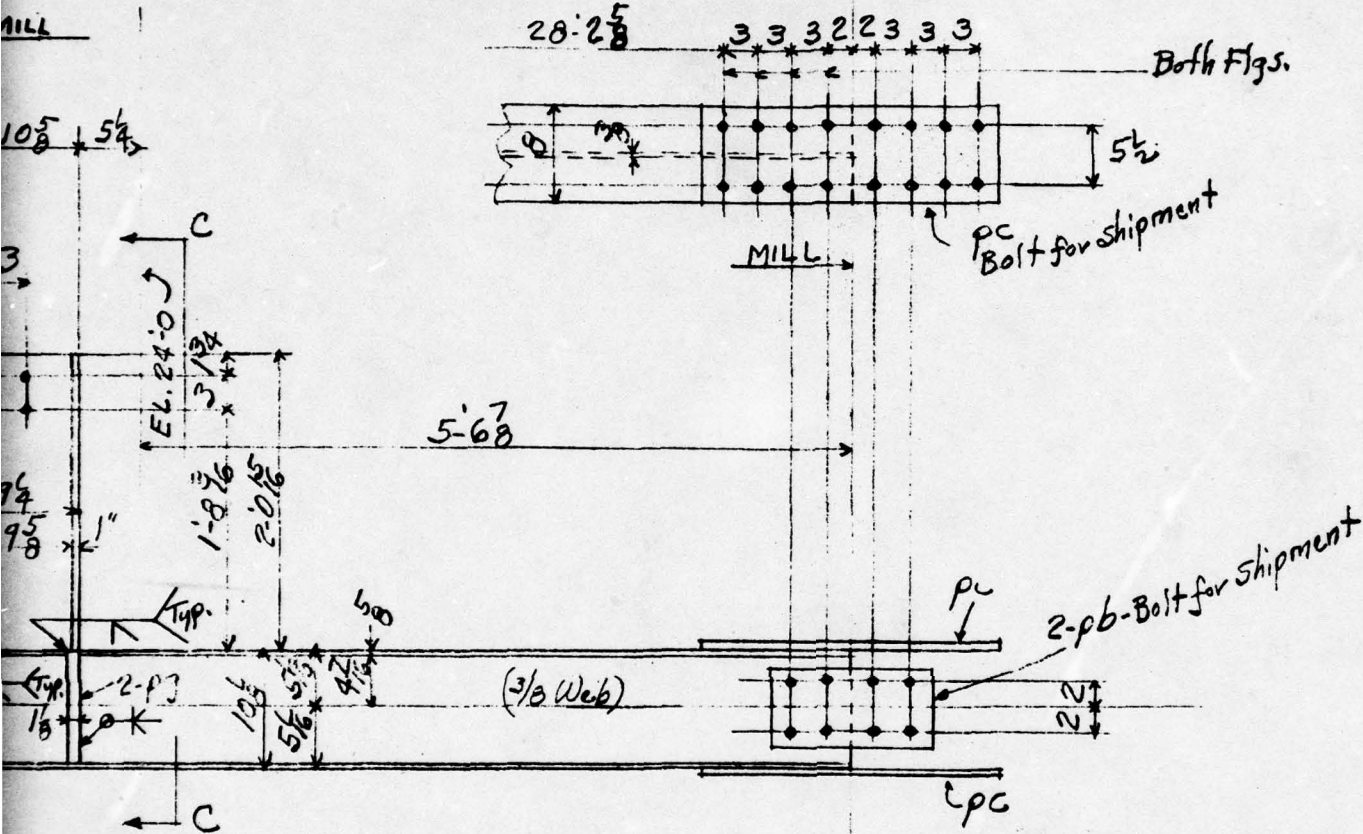
SEE DET (3)

STRESS RELIEVE

One	Col. A5-2	} ALIKE
One	D5-2	
One	A6-2	
One	D6-2	
One	A15-6	
One	D15-6	
One	A16-6	
One	D16-6	

5 @ 2 1/4 Top & Bot.
 * = 10"
 2-6

(10CB45)mb 6-10³/₄

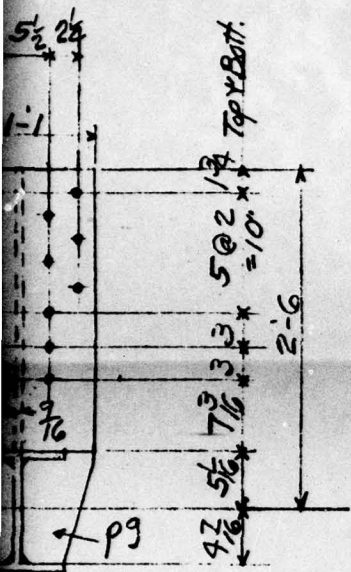


2-pc-Bolt for Shipment

pc

lpc

1000 000000



STRESS
RELIEVE

One - Col.	A5-2	ALIKE
One	D5-2	
One	A6-2	
One	D6-2	
One	A15-6	
One	D15-6	
One	A16-6	
One	D16-6	

FIG. A2.57

DESCRIPTION	LENGTH OR PATTERN NO.	PIECE MARK	MATL.	DEPTS.	MILL LIST	PILE					LINE	SHIP. PCS.	DETAIL PCS.	DESCRIPTION
						1								
6 9/16 x 1 1/4	0-10	pd	A7	S							35			
6 7/16 x 1 1/8	0-10	pf	↓	↓							36			
6 1/16 x 1 1/8	0-9 ³ B	pg	↓	↓							37			
											38			
											39			
											40			
											41			

Sub Patch $\frac{13}{16}$ " and Ream For $\frac{1}{16}$ " Turned Bolts

(C)

a

Jad TYP.

2-1

2-1

K TYP.

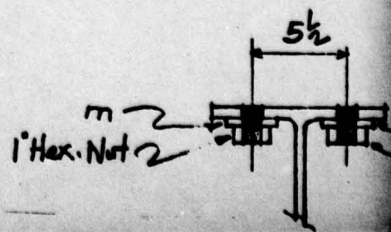
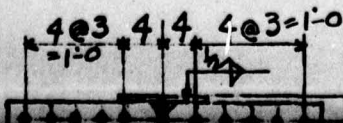
60.5k
14CB74-171b

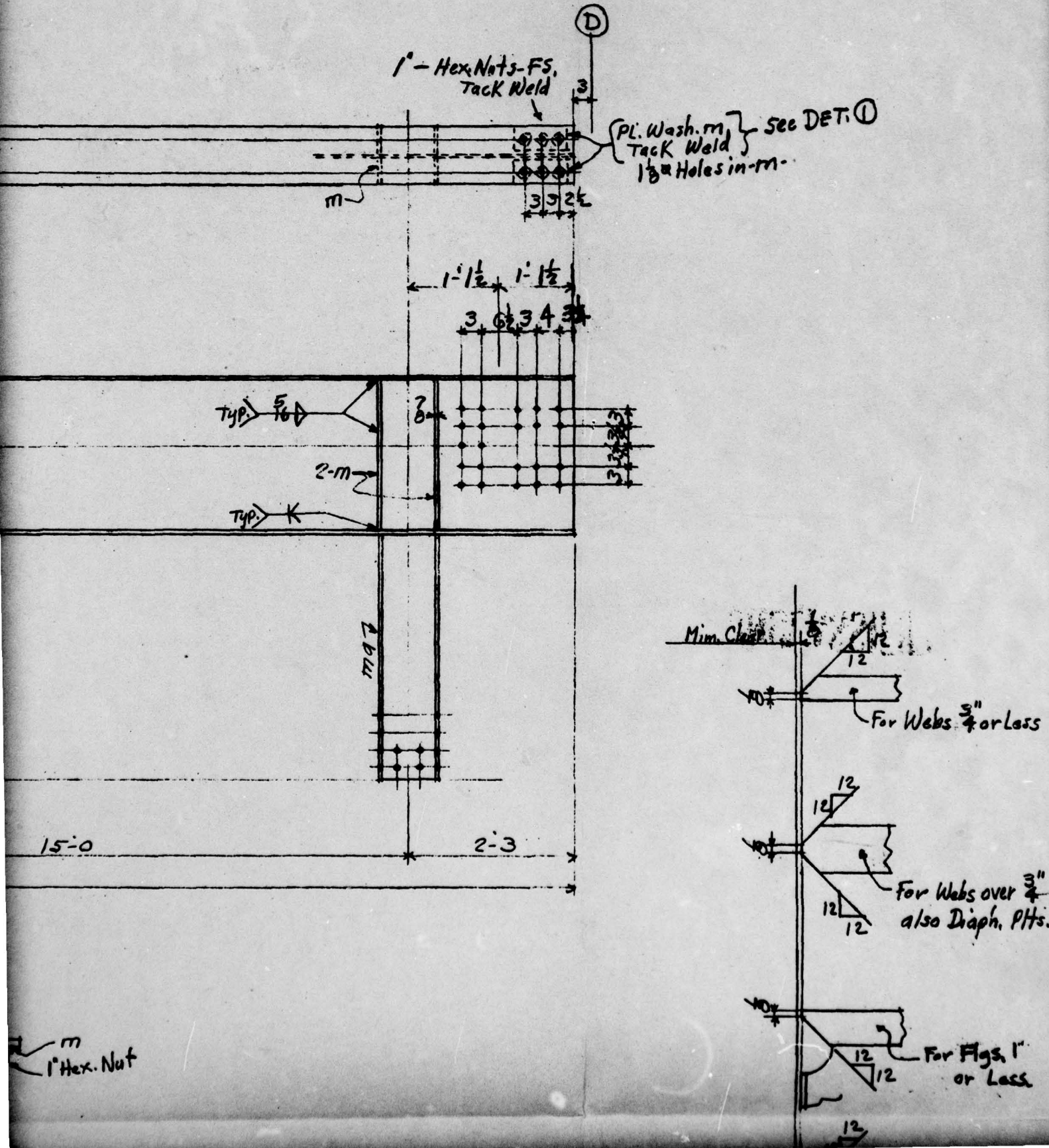
mbj

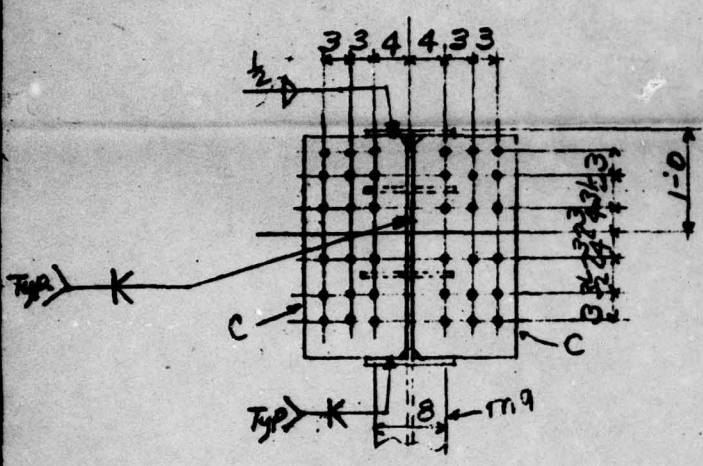
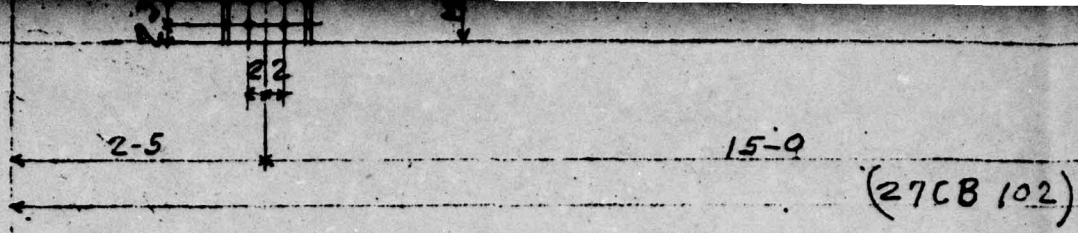
17:0

51:8

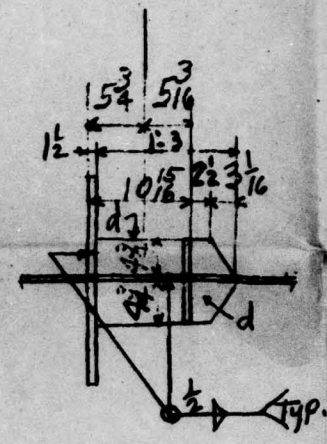
STRESS RELIEF { 2- Roof Gdrs - G1-2
2- " " G1-6



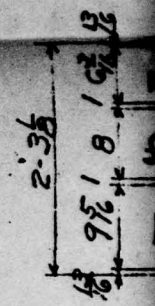




SEC. A-A
For G1-2



SEC. B



LINE	QHP. PCE.	DETAIL PCE.	DESCRIPTION	LENGTH OR PATTERN NO.	PIECE MARK	MATL.	DEPTS.	QHP. NO.	PILE		LINE	QHP. PCE.	DETAIL PCE.
									1	2			
1	2		27CB 102	51-8	G1-2	A7	SBS	ML3-7	2		18		
2	2		27CB 102	51-8	G1-6		SBS	ML3-7	2		19		
3		8	10CB45 M2E	3-6 3/8	m9		S	ML4-27			20		
4		8	1ACB74 M2E	3-6 3/8	mb			ML4-3			21		
5		16	PL. 4 3/4 x 7/8	2-1 5/16	m	A7 Mech Max Quality					22		Roof To Be
6		32	PL. 4 3/4 x 1	2-1 7/16	a						23		
7		8	PL. 4 3/4 x 7/8	0-9 1/8	b						24		
8		4	PL. 1 1/2 x 1 1/2	2-15 1/16	c	A7					25		
9		16	PL. 4 3/4 x 1	1-3	d	A7 Mech Max Quality					26		
10		8	PL. 4 3/4 x 7/8	0-7 7/8	f						27		
11		4	PL. 1 7/8 x 1 1/2	2-1 5/16	g	A7					28		
12		48	1" Hex Nut			Comm Quality					29		
13		8	PL. 4 3/4 x 7/8	0-6 7/16	k	A7 Mech Max Quality					30		
14		16	Bar 3 x 3/8	0-9 1/2	m						31		
15		300	Lbs. Weld Rod - E7010-11-20								32		
16											33		
17											34		

41

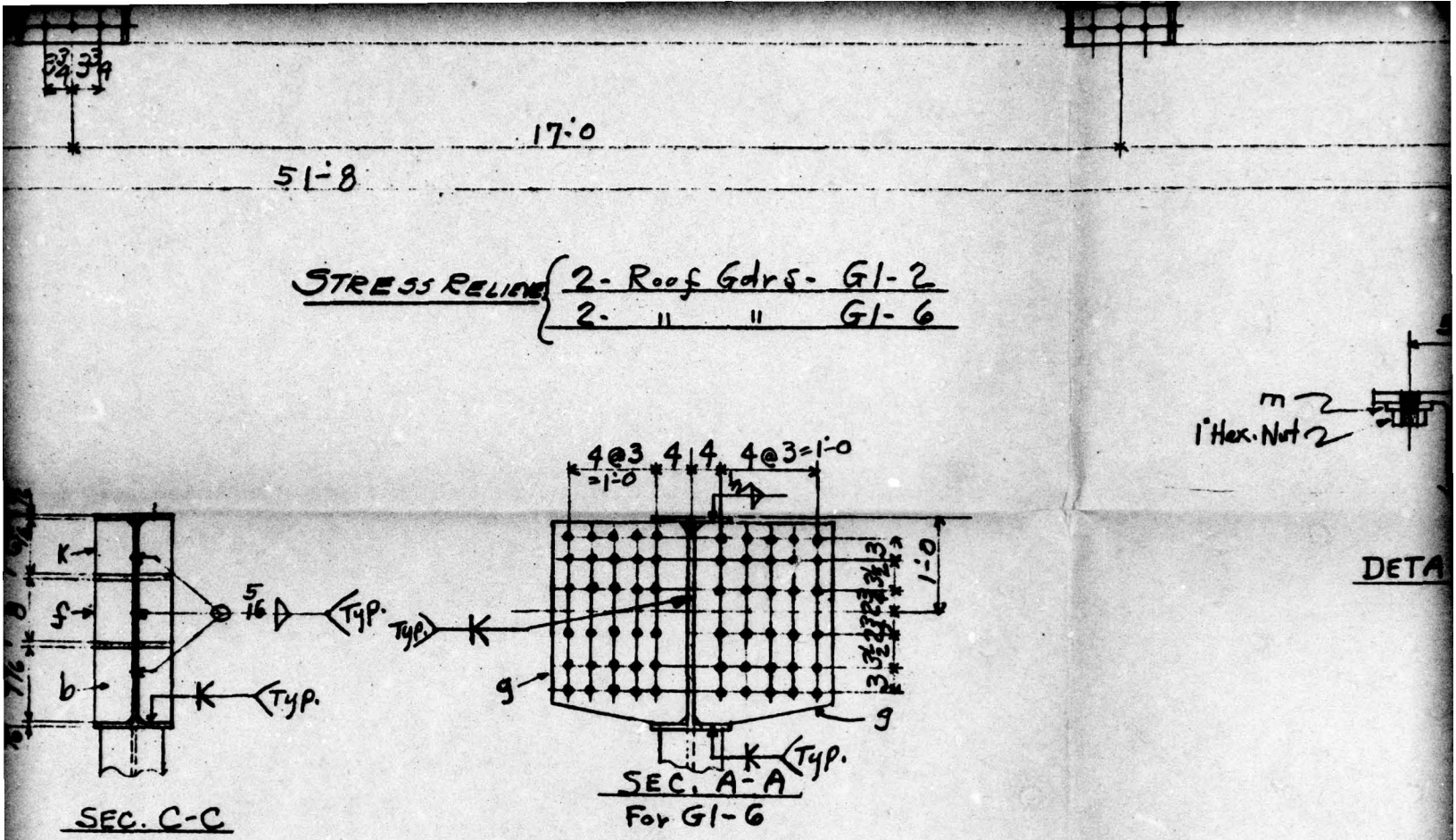


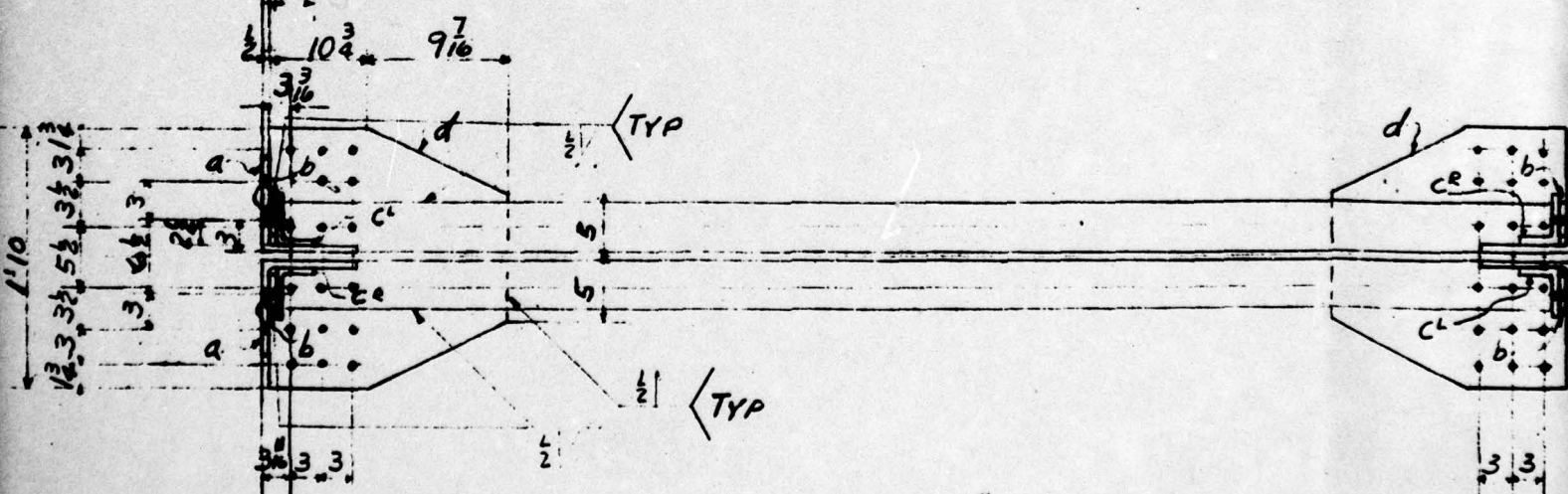
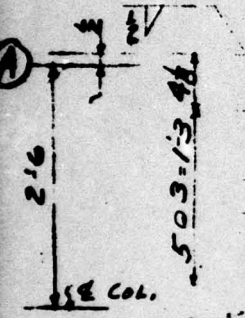
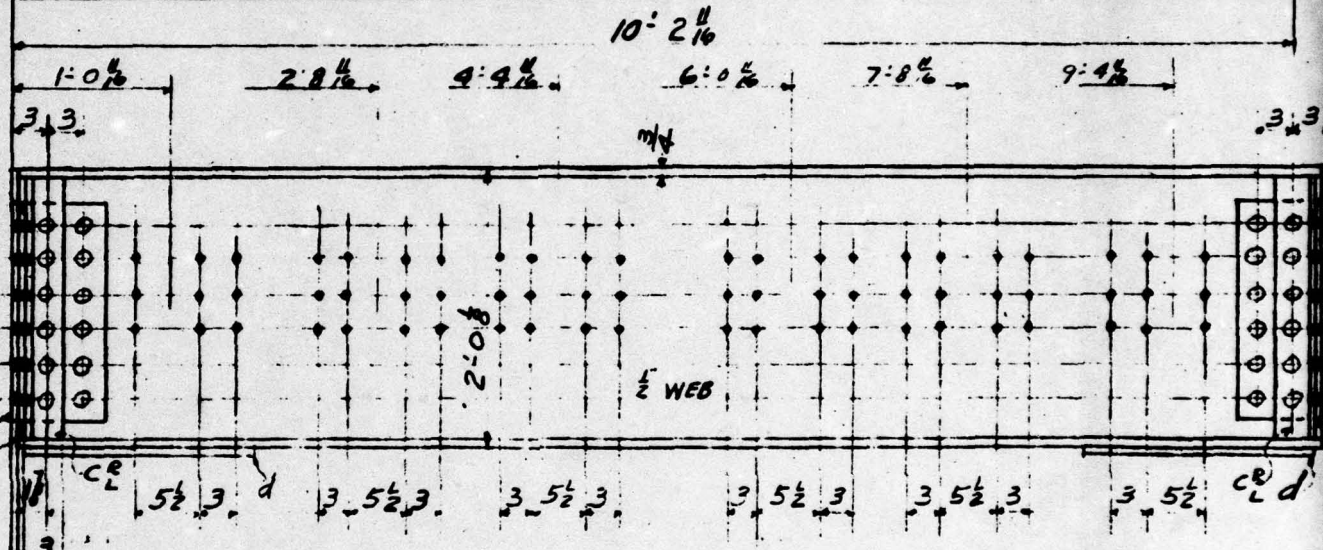
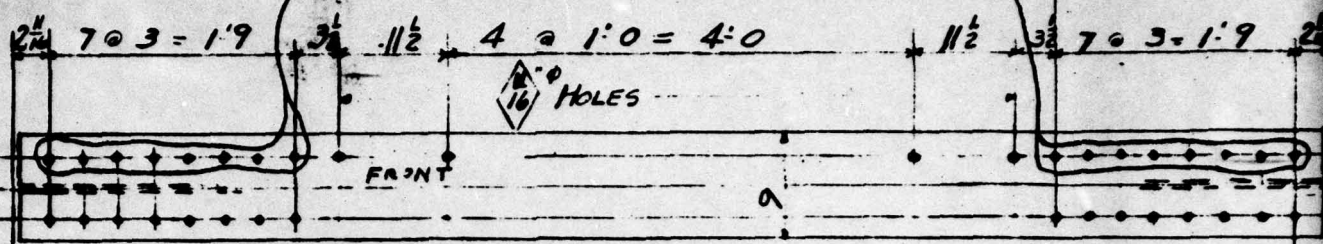
FIG. A2.58

~~CANCELLED~~

SUB

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SUB PUNCH $\frac{13}{16}$ & REAM TO $1\frac{1}{16}$

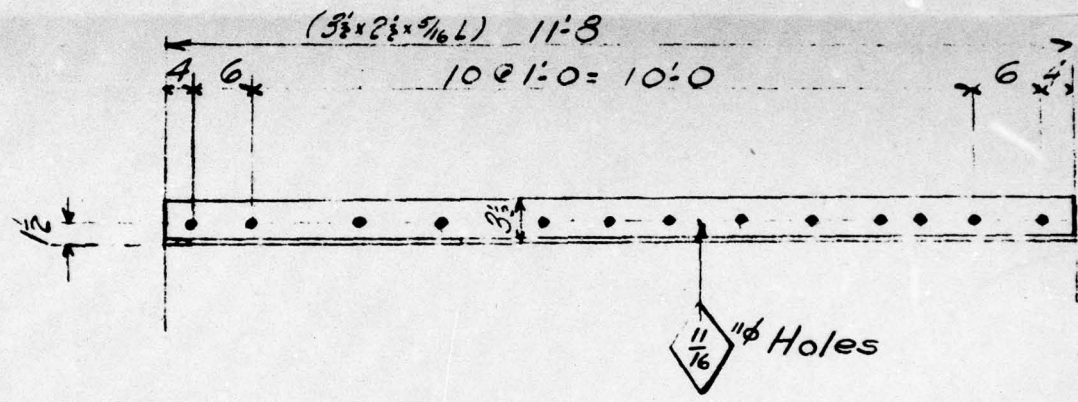
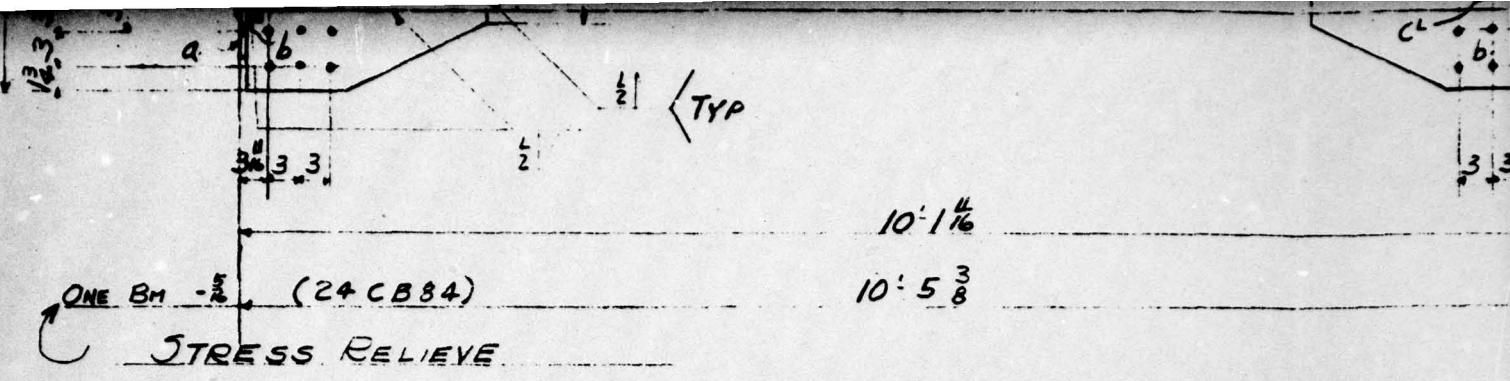


ONE BM - $\frac{1}{8}$ (24 CB84)

STRESS RELIEVE

$10\ 1\frac{1}{16}$
 $10\ 5\frac{3}{8}$

$(5\frac{1}{2} \times 2\frac{1}{2} \times \frac{5}{16} L)$ 11-8



2-ANGLES-MB1
BLDG #1

LINE	SHIP. PCS.	DETAIL PCS.	DESCRIPTION	LENGTH OR PATTERN NO.	PIECE MARK	MATL.	DEPT.	—	PILE	LINE	SHIP. PCS.	DETAIL PCS.	
1	1		24 CB 84	10' 4 1/2	BB-2	A7	SBS		1	18	4	L-	
2										19	4	FIL	
3	2		14 CB 43	4' 0 1/2	B11-2		SBS	ML 1/8	2	20	4	L 4	
4	1		14 CB 43	10' 4 1/2	B12-2		SBS	ML 1/8	1	21	2	22	
5										22	2	R	
6	2		14 CB 150	11' 8 1/2	FA10-2		SBS	ML 3-27	2	23	8	L 8	
7	1		L 3 1/2 x 2 1/2 x 5/16	6' 1 1/2	M56		S		1	24	4	FIL	
8	1		L 3 1/2 x 2 1/2 x 5/16	7' 7 1/2	M57				1	25	4	ST	
9	2		L 3 1/2 x 2 1/2 x 5/16	2' 10 1/2	M27				2	26	2	L 5	
10	2		L 3 1/2 x 2 1/2 x 5/16	2' 5 1/2	M80				2	27	8	R	
11	2		L 3 1/2 x 2 1/2 x 5/16	11'-8	MB1		S		2	28			
12										29			
13										30		25	LB
14										31		88	SN
15										32			
16										33			
17										34			

A

AD-A074 617

AMMANN AND WHITNEY NEW YORK

F/G 18/3

SCIENTIFIC DIRECTOR'S REPORT OF ATOMIC WEAPON TESTS AT ENIWETOK--ETC(U)
NOV 51

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AEC-WT-60(REF)-PT-2

NL

2 OF 2

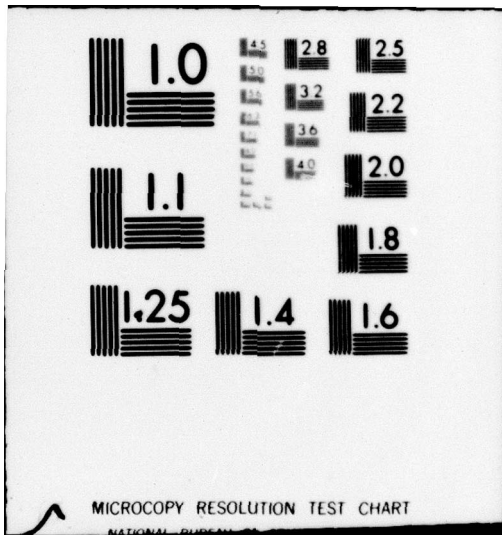
AD
074617



END
DATE
FILMED

10-79

DDC



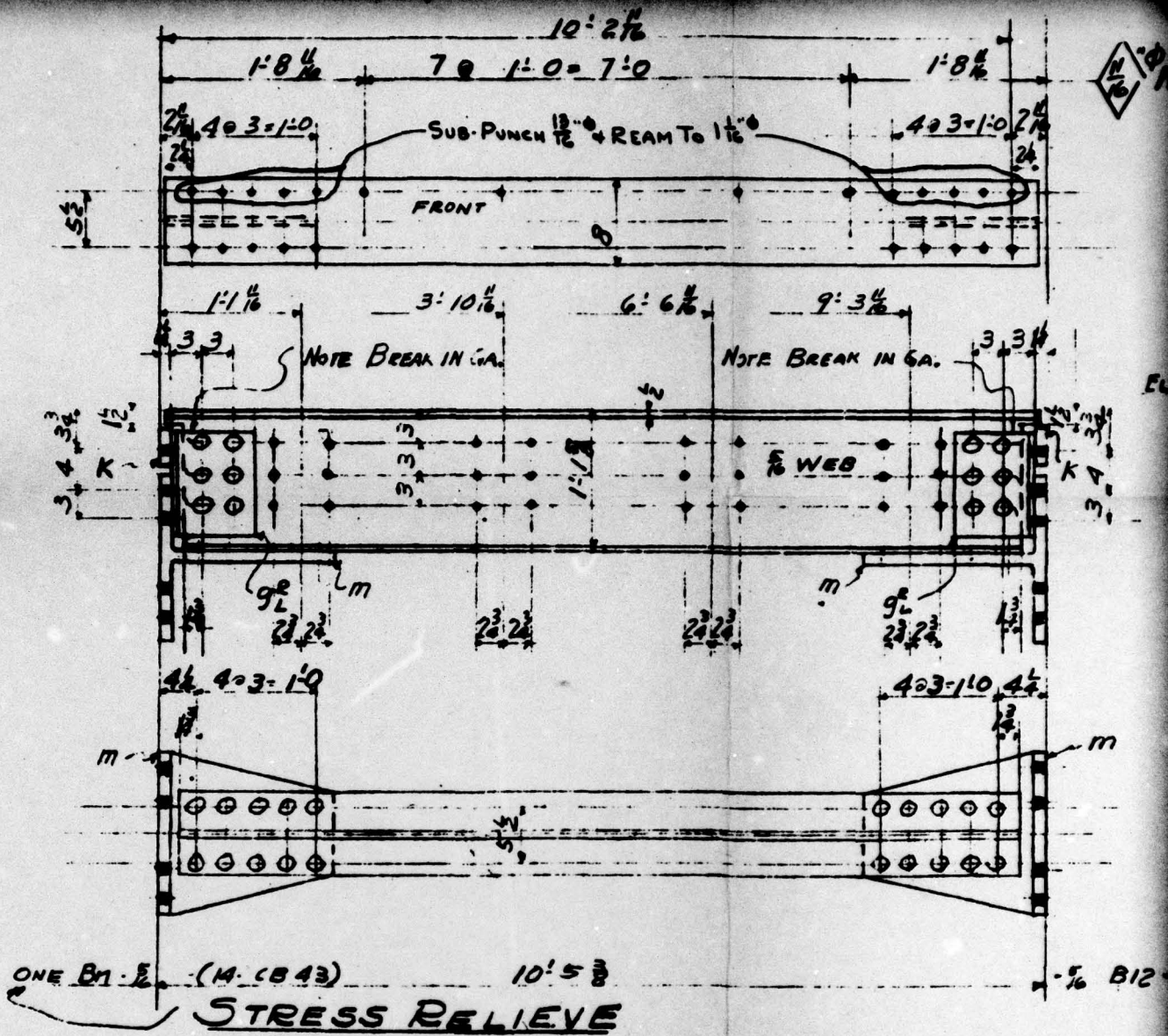
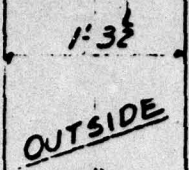


FIG. A2.59

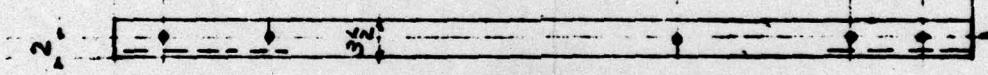
Holes

(14CB)



2-VERTICAL GIRTS FA10-2 ← STRESS RELIEVE

M56	1 1/2	11 1/2	4 @ 1'0" = 4'0"	11 1/2	1 1/2
M57	3 3/4		7 @ 1'0" = 7'0"		3 3/4
M29	1 1/2	11	10"	10"	1 1/2
M80	1 1/2		4 @ 3" = 1'0"	7 7/16	5 7/16



1/2" HOLES FOR M56 - M57 M29

1-ANGLE	(3 1/2 x 2 1/2 x 7/16)	6' 1 1/2"	M56
1-ANGLE	(3 1/2 x 2 1/2 x 7/16)	7' 7 1/2"	M57
2-ANGLE	(3 1/2 x 2 1/2 x 7/16)	2' 10 1/2"	M29
2-ANGLE	(3 1/2 x 2 1/2 x 7/16)	2' 5 1/2"	M80

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LENGTH OR PATTERN NO.	PIECE MARK	MATL.	DEPTH.	WEIGHT
B11-2 ^R	B11-2 ^L	B12-2		
ORDERED FA10-2 TO BE ORDERED AFTER WELDING.				

1	NO.	DATE	BY	REVISION
	HOLE	1/2" UNLESS NOTED.		PAINT 1-SHOP COAT
	RIVETS	1"		TT-P-86. RED LEAD BASE;
	REF.			LINSEED OIL READY MIXED
	DATE	DRAWN BY	CHECKED BY	IN CHARGE OF
	MAY 2-1950	Slangen	GALLAGHER	HOLBROOK