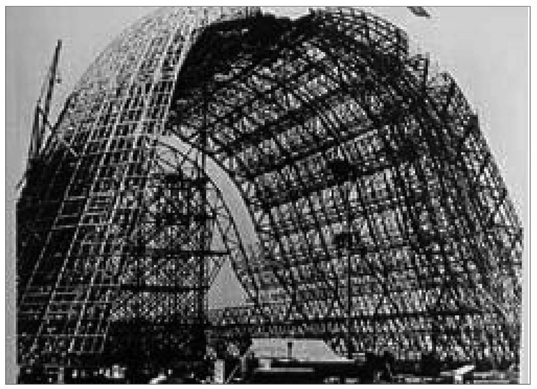

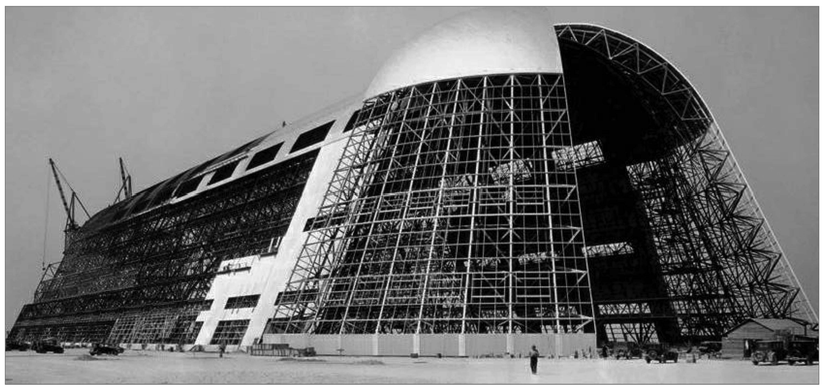

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#3	SEWER & WATER SYSTEMS
#4	PLAN OF HANGAR 1 – 1ST FLOOR PLAN
#5	PLAN OF HANGAR 1 – 2ND FLOOR PLAN
#6	PLAN OF HANGAR 1 – 3RD FLOOR PLAN
#7	SECTIONS AT STAIRS AND ELEVATORS – GENERAL PLANS
#8	A FRAMES #1,#2,#3,#4,#5,#6,#7,#8,#9,#12,#13
#9	ARCHES, #4,#5,#10,#11
#10	LONGITUDINAL TRUSSES 40' SPAN
#11	MEZZANINE FLOOR FRAMING
#12	MEZZANINE & CEILING FRAMING AT ELEVATORS & STAIRS
#13	MAIN DOOR RIBS, SECTIONS & DETAILS
#14	MAIN DOOR COVERING & SUPPORTS
#15	MAIN DOOR RIB DETAILS
#16	MAIN DOOR BOLSTERS & TRUCKS
#17	MAIN DOOR TRUCK GIRDER AND RACK

MOFFETT FIELD NAVAL AIR STATION, HANGAR 1

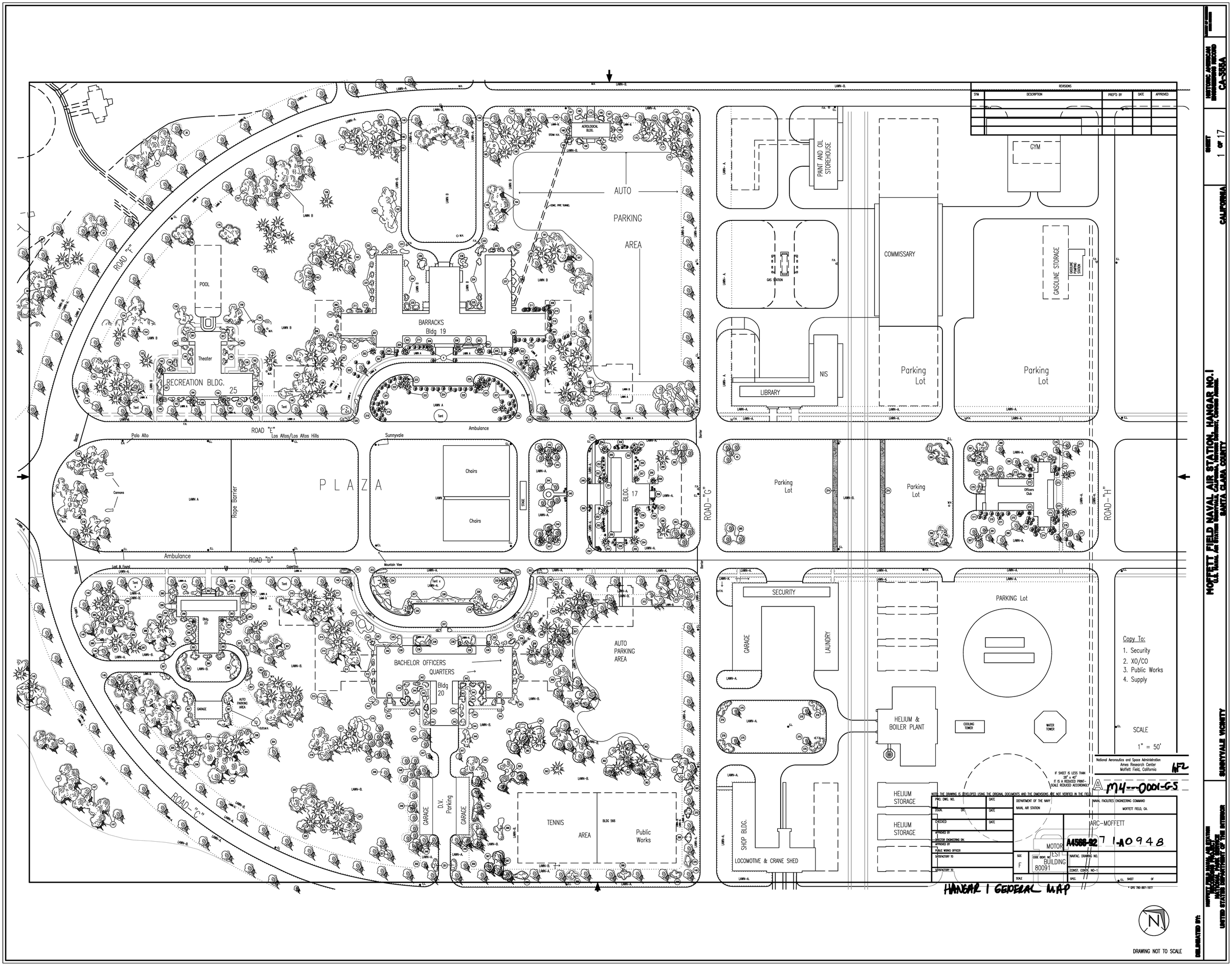
U.S. NAVAL AIR STATION SUNNYVALE, CALIFORNIA, HISTORIC DISTRICT, CUMMINS AVENUE

NPS RESTORATION DRAWINGS

exeltech

401 2nd Ave. S., Suite 205, Seattle, WA 98104
Phone: (206).623.9646 Fax: (206).623.9658
Project No: 0722–003

Lacey, WA. Seatte, WA. Portland, OR.



REVISIONS

SYM	DESCRIPTION	PREP'D BY	DATE	APPROVED

HISTORIC AMERICAN ENGINEERING RECORD
CA-355A

SHEET 1 OF 17

CALIFORNIA

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO. 1
U.S. NAVAL AIR STATION SUNNYVALE, CALIFORNIA, SANTA CLARA COUNTY

SUNNYVALE VICINITY

DELINEATED BY:
MOFFETT FIELD NAVAL AIR STATION
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

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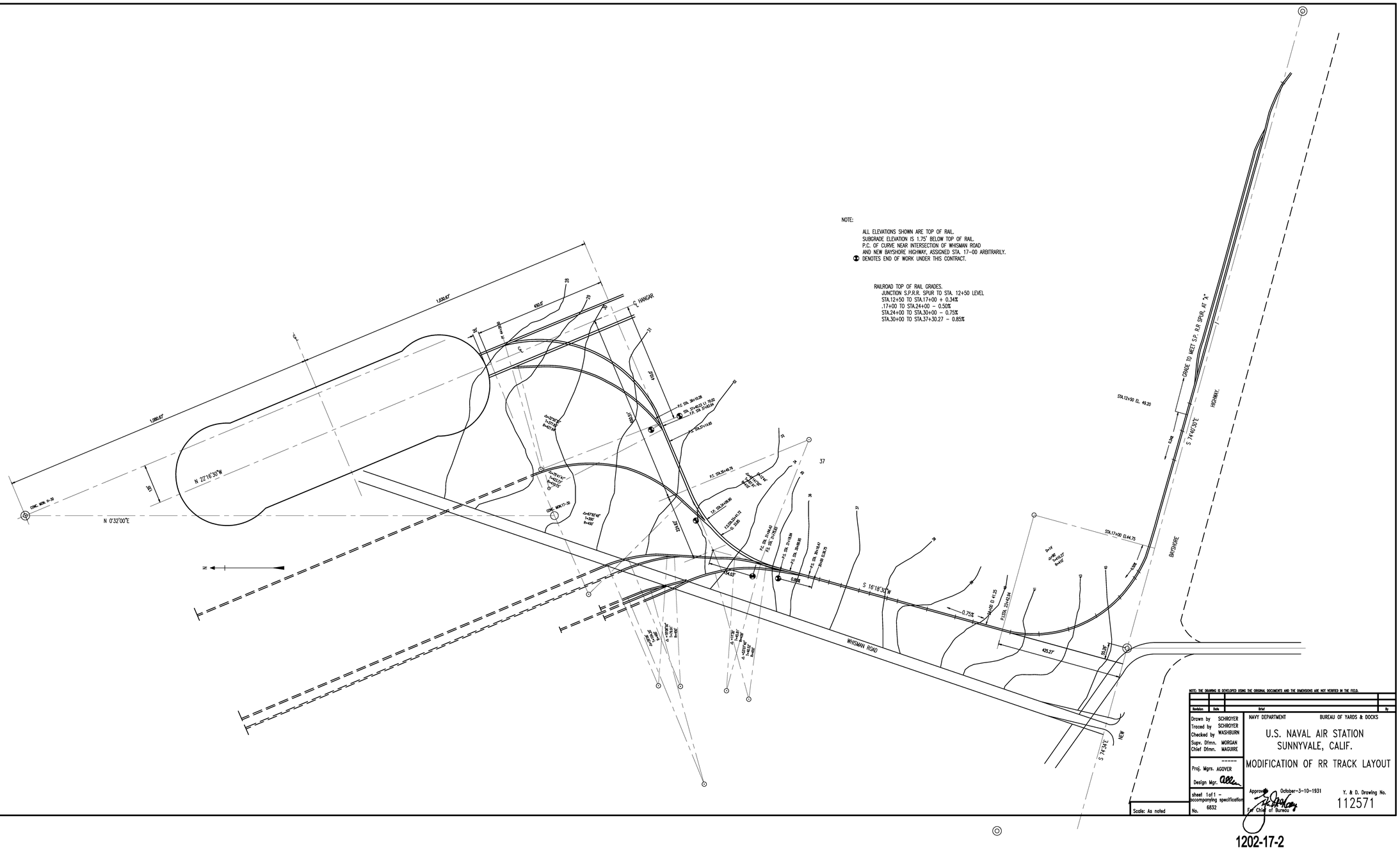

NOTE:

ALL ELEVATIONS SHOWN ARE TOP OF RAIL.
SUBGRADE ELEVATION IS 1.75' BELOW TOP OF RAIL.
P.C. OF CURVE NEAR INTERSECTION OF WHISMAN ROAD
AND NEW BAYSHORE HIGHWAY, ASSIGNED STA. 17-00 ARBITRARILY.
(X) DENOTES END OF WORK UNDER THIS CONTRACT.

RAILROAD TOP OF RAIL GRADES.
JUNCTION S.P.R.R. SPUR TO STA. 12+50 LEVEL
STA.12+50 TO STA.17+00 + 0.34%
.17+00 TO STA.24+00 – 0.50%
STA.24+00 TO STA.30+00 – 0.75%
STA.30+00 TO STA.37+30.27 – 0.85%

NOTE: THE DRAWING IS DEVELOPED USING THE ORIGINAL DOCUMENTS AND THE DIMENSIONS ARE NOT VERIFIED IN THE FIELD.

Revision	Date	Brief	By

Drawn by SCHROYER
Traced by SCHROYER
Checked by WASHBURN
Supv. Dfmn. MORGAN
Chief Dfmn. MAGUIRE

Proj. Mgrs. AGOVER
Design Mgr. [signature]

sheet 1of1 – accompanying specification No. 6832

NAVY DEPARTMENT — BUREAU OF YARDS & DOCKS

U.S. NAVAL AIR STATION
SUNNYVALE, CALIF.

MODIFICATION OF RR TRACK LAYOUT

Approved October-3-10-1931
For Chief of Bureau [signature]

Y. & D. Drawing No. 112571

Scale: As noted

1202-17-2

DRAWING NOT TO SCALE

DELINEATED BY:

HOFFETT FIELD NAVAL AIR STATION
U.S. NAVAL AIR STATION SUNNYVALE, CALIFORNIA, SUNNYVALE DISTRICT, CANNING ARMS.
SANTA CLARA COUNTY

SUNNYVALE VICINITY

HISTORIC AMERICAN ENGINEERING RECORD
CA-355A

SHEET 2 OF 17

CALIFORNIA

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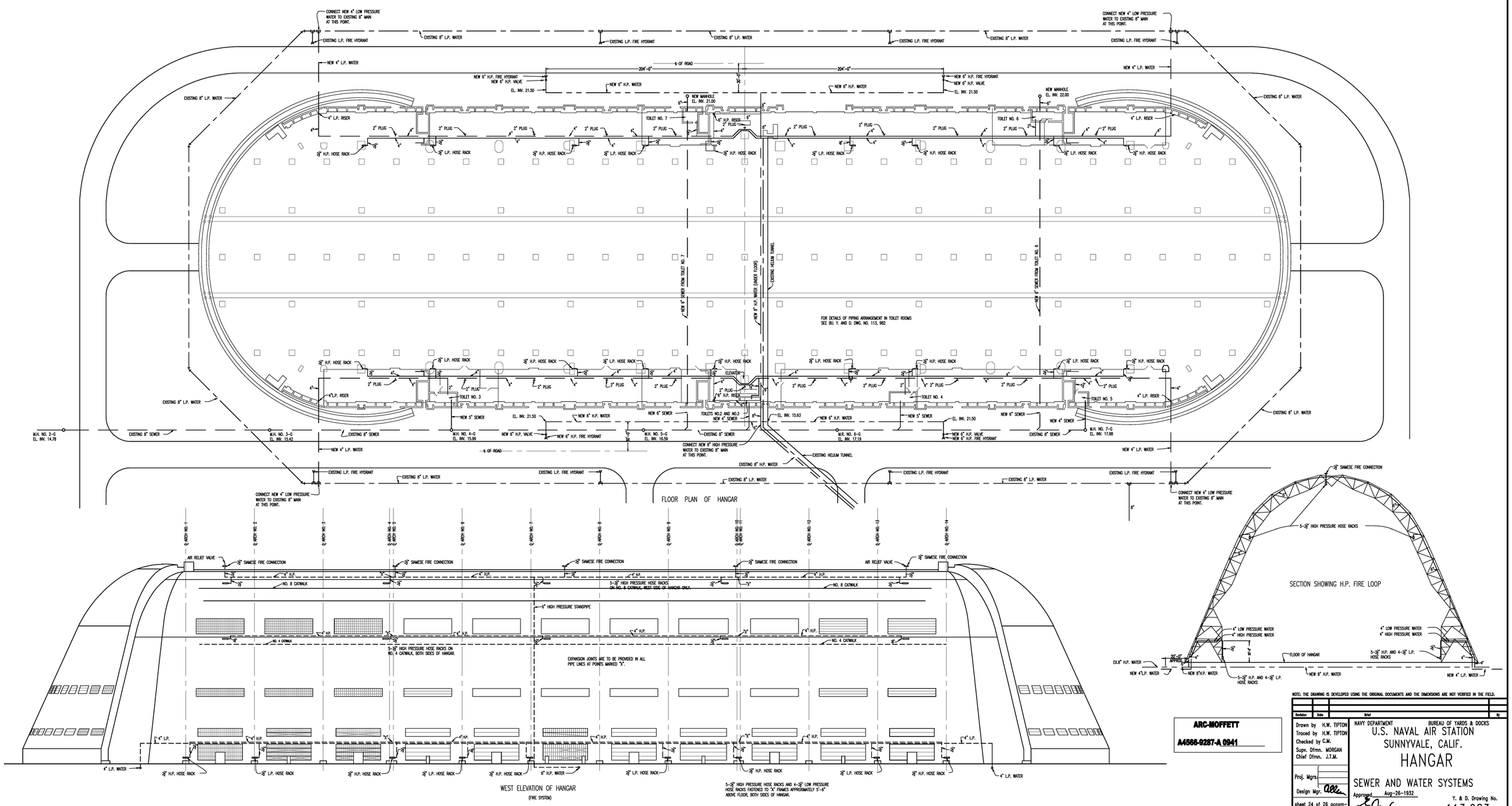

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

1 REV

A M4---0001-P7

HISTORIC AMERICAN ENGINEERING RECORD
CA-355A

SHEET 3 OF 17

CALIFORNIA

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO. 1
U.S. NAVAL AIR STATION, SUNNYVALE, CALIFORNIA
SANTA CLARA COUNTY

SUNNYVALE VICINITY

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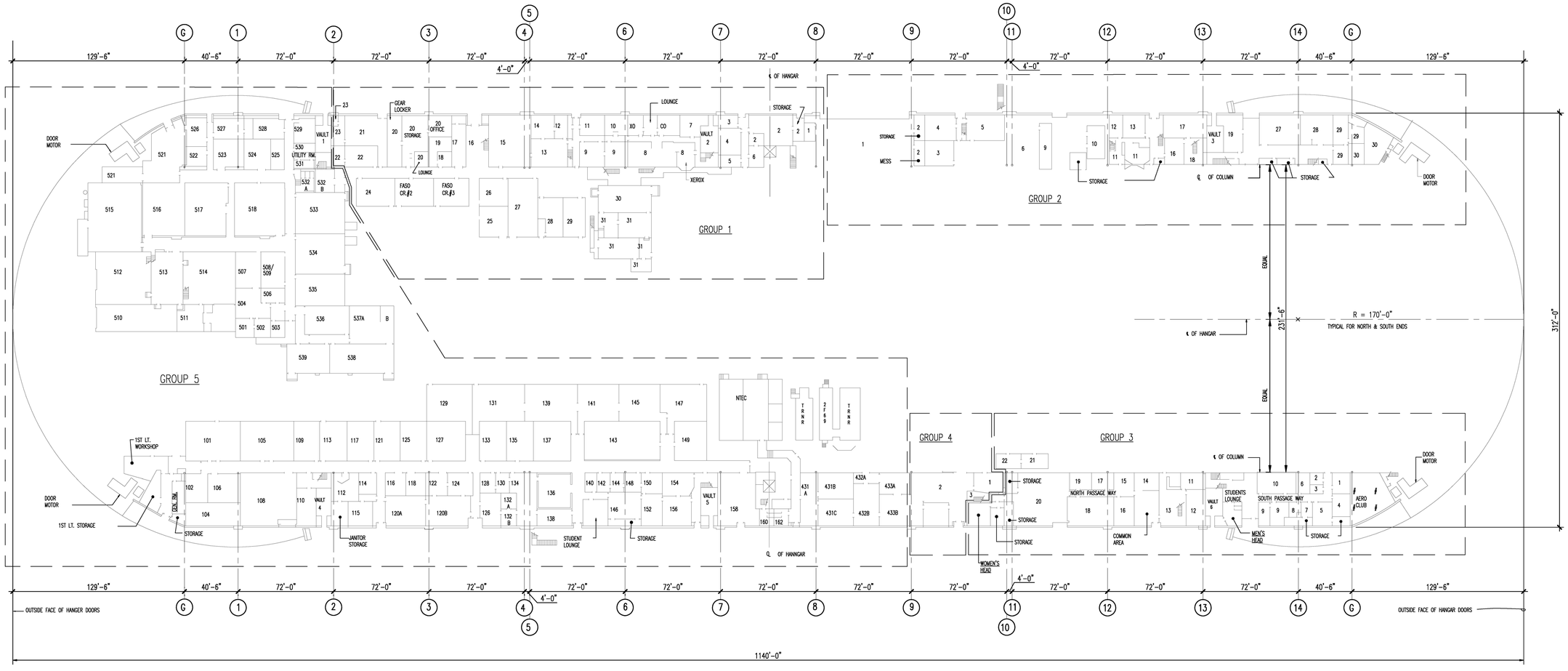
MOFFETT FIELD NAVAL AIR STATION
NAVAL AIR STATION
SUNNYVALE, CALIFORNIA
UNITED STATES DEPARTMENT OF THE INTERIOR

GROUP 1 * VP-31	
ROOM NO.	DESCRIPTION
1	Coffee Mess Office
2	Graphics/Storage
3	Command Career Counselor
4	H R O
5	Command Master Chief office
6	Chaplain
7	Men's Head
8	Admin. (Xerox)
9	COMM Office
10	Word Processing Center
11	P A O
12	E S O
13	Legal
14	Flight Surgeon
15	Safety NATOPS
16	Quarter Deck
17	Duty Office
18	Section Leader
19	CPO Lounge

GROUP 1 * VP-31	
ROOM NO.	DESCRIPTION
20	1st Lt. office/Gear Locker/Lounge/Storage
21	Officer's Locker Room
22	Classroom #3 (Ord Training)
23	ORD Training Locker Room/Storage
24	Classroom #1
25	Ordnance Training Office
26	Staff Wardroom/Lounge
27	Classroom #6
28	Mail Room
29	NUC/MEPS Training Classroom
30	PSDL Officer/Enlisted Student Control
31	AITSS Office Spaces

GROUP 2 * VP-31	
ROOM NO.	DESCRIPTION
1	Large Hangar Entry Way Between Bents B & 9
2	Coffee Mess/Storage
3	Coffee Mess Lounge
4	W/C 140 (Phase One)
5	Aviation Equipment (Parachute)
6	AV Equipment Storage
9	Corrosion Control
10	Paint Locker
11	Maintenance Control
12	Maintenance Control Office
13	Material Control
16	Maintenance Training
17	Maintenance Men's Head
18	Maintenance Locker Room
19	Electric Shop
27	Power Plants
28	Airframes
29	Avionics
30	Tool Room

REVISIONS				
SYM	DESCRIPTION	PREP'D BY	DATE	APPROVED



PLAN NORTH

1ST FLOOR PLAN

SCALE : 1/32" = 1'-0"

32 16 0 50 100

GROUP 5 * FASO	
ROOM NO.	DESCRIPTION
101	Classroom
102	Duty Office
104	Comm Branch
105	Classroom
106	TNR
108	TNR
109	Classroom
110	Media Services Security
112	Men's Head
113	Classroom
114	Media Services Officer
115	Women's Head
116	Media Service Computer Room
117	Classroom
118	Graph Store Room
120A	Print Shop Store Room
120B	Print Shop Press Deck
121	Classroom
122	Print Shop Office
124	Print Shop Collator Room
125	Classroom
126	ITV
127	Graphics Room
128	ITV Division Officer
129	Classroom
130	ITV

GROUP 5 * FASO	
ROOM NO.	DESCRIPTION
131	Classroom
132A	ITV
132B	ITV
133	ITV Producers/Directors Office
134	ITV
135	Classroom
136	ITV Studio
137	Classroom
138	ITV Storage
139	Classroom
140	Coffee Mess
141	Classroom
142	FML IML
143	WET CARREL
144	IML Reading Room
145	Classroom
146	IML
	Student Lounge
147	Classroom
148	IML CPO Office
149	Classroom
150	IML Issue Window
152	IML
154	IML
156	IML
158	Classroom
160	Mens Head

GROUP 5 * FASO	
ROOM NO.	DESCRIPTION
162	Women's Head
431A	ATAL
431B	ATAL Work Center
431C	ATAL Film Store
432A	Work Center
432B	Work Center
433A	Office
433B	Store Room
	NTCC LRURS
	TRNR
	2F69
	TRNR
501	Maintenance Officer
502	Asst. Maint. Officer
503	Security Office
504	Maintenance Admin.
506	Maintenance Coord.
507	Conference Room
508	Brief/Debrief
509	Brief/Debrief
510	Visual Board.
511	HYD
512	2FB7F #2
513	Flt. Computer Room
514	2FB7F
515	2F140T NO. 1

GROUP 5 * FASO	
ROOM NO.	DESCRIPTION
516	2FB7T NO. 4
517A	Flt. W/C
517B	Contractor Space
518	2FB7KT NO. 5
521	Supply
522	Supply
523	Tactics W/C 192
524	CPW-10
525	CPW-10
526	Supply
527	Material/Supply Officer
528	Lounge
529	Men's Head
530	Deep Sink
531	Power Room
532A	Women's Head
532B	Motor Gen. Room
533	14B40A
534	14B44A
535	2C41
536	14B53
537A	Software
537B	NTEC
538	Computer Lab
539	2F140 Debrief

GROUP 4 * OPERATIONS	
ROOM NO.	DESCRIPTION
1	Storage
2	Storage
3	Stairwell

GROUP 13 * VP-31 (FRAMP)	
ROOM NO.	DESCRIPTION
1	Div. Officer Office
2	FRAMP Admin. Office
3	Master Chief's Office
4	AME Classroom
5	AO Classroom
6	Tech. Library
7	Computer Room
8	Staff Lounge
9	Airframes Classroom
10	Basic Airman Classroom
11	Track Supervisors' Office
12	Instructors' Conference Room
13	FRAMP Maintenance Control
14	AX Classroom
15	AT/AX "A" Classroom
16	Teletype Room
17	AT/AX "B" Classroom
18	Basic QSE Classroom
19	AT/AX "C" Classroom
20	Engine Operator Classroom
21	Power Plants Classroom "A"
22	Power Plants Classroom "B"

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

A M4-0001-A1S 1 REV

ARC-MOFFETT

A4566-92 7 1-A0222

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CONSULTING ENGINEERS
BERKELEY, CALIFORNIA

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A1

PWD. DWG. NO. 301-107	DATE. 10-28-85	DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
DSGN.	DR. VO DATE. 10-28-85	NAVAL AIR STATION	MOFFETT FIELD, CA.
CHECKED GRAHAM	DATE. 10-28-85	NAVAL AIR STATION	MOFFETT FIELD, CA.
APPROVED BY		PLAN OF HANGAR 1	
DIRECTOR ENGINEERING DIV.		1 ST FLOOR PLAN	
APPROVED BY PUBLIC WORKS OFFICER			
SATISFACTORY TO		SIZE F	CODE IDENT. NO. 80091
SATISFACTORY TO		NAVFAC. DRAWING NO.	
		CONST. CONTR. NO.	
		SCALE: AS NOTED	SPEC. SHEET 2 OF 21

0-GP 0 790-867-1977

1/32"=1'-0" 0'1' 8' 16' 32' 64'

DELINEATED BY:

HISTORIC AMERICAN ENGINEERING RECORD CA-338A

SHEET 4 OF 17

CALIFORNIA

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO. 1
(U.S. NAVAL AIR STATION, MOFFETT FIELD, CALIFORNIA)
SANTA CLARA COUNTY

SUNNYVALE VICINITY

HABS/HAER/HALS COLLECTION
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

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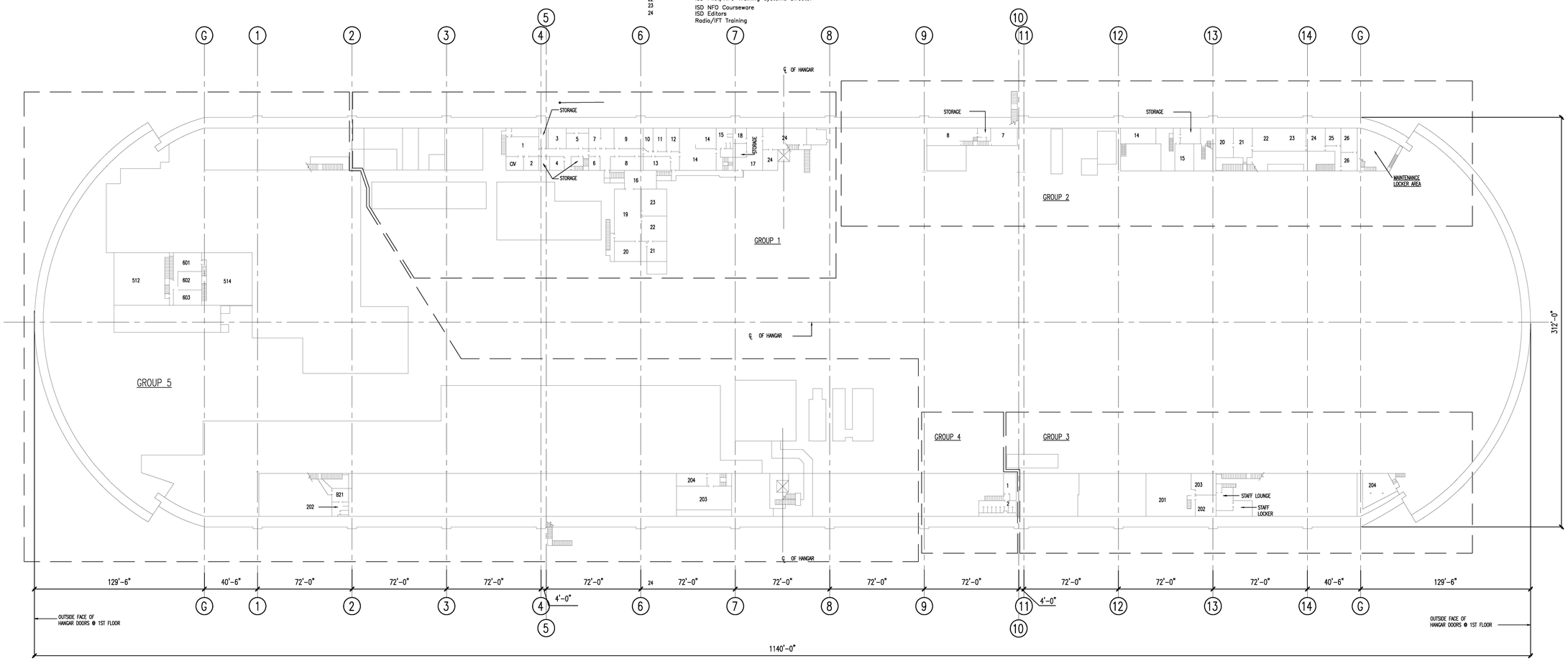
GROUP 5 * FASOTRAG/UAC/TASO	
ROOM NO.	DESCRIPTION
512	2F87F #2
514	2F87F #3
601	Flt. Brief/Debrief
602	ES Inst.
603	Classroom
202	Men's Head
203	TTT
204	TTT
B21	Men's Head

GROUP 1 * VP-31	
ROOM NO.	DESCRIPTION
1	Lounge (2nd Deck Wardroom)
2	Update III office
3	Men's Head
4	Command Instructional Systems Coordinator
5	CNAP VIP Crew
6	Training Admin. Computer Room
7	Fleet Projects
8	PQS
9	Training Admin.
10	Asst. Training officer
11	Training officer
12	Ops officer
13	Transition/Foreign Training
14	Operations
15	Women's Head
16	Platform & Stairs to I.S. Division
17	Nuc Weps Training Team
18	Nuc Weps Head
19	ISD A/C Courseware
20	ISD NFO Courseware & Back Stairs
21	
22	ISD Pilot/NFO Training Systems Director
23	ISD NFO Courseware
24	ISD Editors Radio/IFT Training

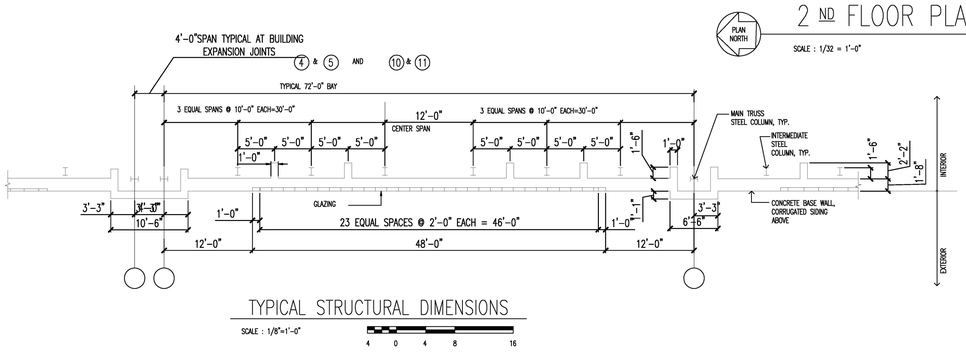
GROUP 2 * VP-31	
ROOM NO.	DESCRIPTION
7	Parafoft Training Locker
8	AME Shop
14	Logs & Records
15	Material Office
20	Maintenance Officer
21	Maintenance Admin.
22	Quality Assurance
23	Data Analyst
24	Tech Library
25	Aircraft Division Office
26	Av/Arm Division Office

REVISIONS				
SYM	DESCRIPTION	PREP'D BY	DATE	APPROVED



2 ND FLOOR PLAN

SCALE : 1/32 = 1'-0"



TYPICAL STRUCTURAL DIMENSIONS

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

GROUP 4 OPERATIONS	
ROOM NO.	DESCRIPTION
1	Storage
2	Men's Head

GROUP 3 * VP-31 (FRAMP)	
ROOM NO.	DESCRIPTION
201	Fromp Indoc Classroom
202	AE "B" Classroom
203	AE "A" Classroom
	Staff Locker Room
	Staff Lounge
204	ATSS Workroom

ARC-MOFFETT

A4566-92 7 1-A0222

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

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BERKELEY, CALIFORNIA

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A 2

PWO. DWG. NO. 301-108	DATE. 10-28-85
DSGN.	CHK. VO DATE. 10-28-85
CHECKED GRAHAM	DATE. 10-28-85
APPROVED DIRECTOR ENGINEERING DIV.	
APPROVED PLANT MANAGER	
SATISFACTORY TO	
SATISFACTORY TO	

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION — MOFFETT FIELD, CA.

NAVAL AIR STATION — MOFFETT FIELD, CA.

PLAN OF HANGAR 1

2 ND FLOOR PLAN

SIZE F	CODE IDENT. NO. 80091	NAVFAC. DRAWING NO.
		CONST. CONTR. NO.
SCALE: 1/32"=1'-0"	SPEC.	SHEET 3 OF 21

DP 0 790-897-1977

DELINEATED BY:

1/32"=1'-0" 0'1' 8' 16' 32' 64'

1/8"=1'-0" 0'1' 8' 16'

HISTORIC AMERICAN ENGINEERING RECORD
CA-388A
SHEET 5 OF 17
CALIFORNIA

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO.1
(U.S. NAVAL AIR STATION, LIGHTER-THAN-AIR HANGAR, CHINESE HANGAR)
SANTA CLARA COUNTY

SUNNYVALE VICINITY

HABS/HAER/HALS COLLECTION
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

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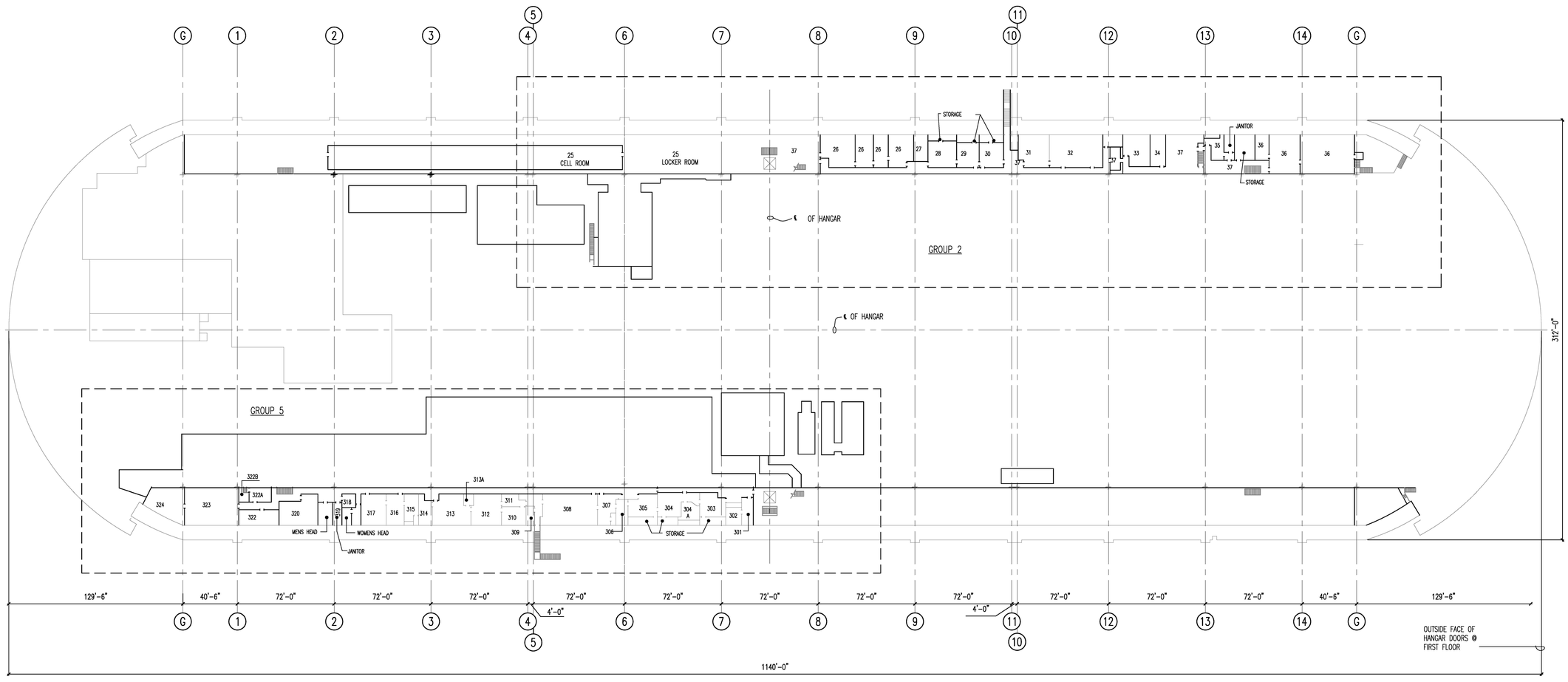
REVISIONS				
SYM	DESCRIPTION	PREP'D BY	DATE	APPROVED

GROUP 2 * VP-31

ROOM NO.	DESCRIPTION
25	Aircrew Locker Area (Including Cellroom)
26	Flight Engineer Training Spaces
27	Men's Head
28	Observers Branch
29	Aircrew Training Division Office
30	AW Training Office
31	AW Training Lounge
32	Classroom #38
33	Classroom #39
34	Classroom #40
35	Women's Head
36	CNAP P-3 NATOPS Evaluation Team
37	3rd Deck Passageway (entire length)



PLAN NORTH

3RD FLOOR PLAN

SCALE : 1/32" = 1'-0"

32 16 0 50 100

GROUP 5 * FASO

ROOM NO.	DESCRIPTION
301	Det. Career Counselor
302	SCPOD
303	OIC/Storage
304A	AOINC
304	Admin. Officer/Storage
305	Admin. Officer/Storage
306	Admin. Officer
307	Conference Room
308	Officer Training
309	Janitor
310	EW Branch
311	AC Div. CPO
312	AC TNG
313	AC TNG
313A	
314	Air Crew Division Officer
315	Training Officer
36	Admin. Training Office

GROUP 5 * FASO

ROOM NO.	DESCRIPTION
317	Schedules Office
318	Coffee Mess
319	Janitor Room
	Men's Head
31B	Women's Head
320	NAMP TNG.
321	Locker Room
322A	Staff Lounge/Classroom
322B	Projection Booth
323	Classroom
324	

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

1 REV

A M4-0001-A17

ARC-MOFFETT

A4566-92 7 1-A0224

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BERKELEY, CALIFORNIA

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A3

PWO. DWG. NO. 301-109		DATE. 10-28-85
DSGN.	DR. JRA	DATE. 10-28-85
CHECKED GRAHAM		DATE. 10-28-85
APPROVED BY Per DIRECTOR ENGINEERING DIV.		
APPROVED BY PUBLIC WORKS OFFICER		
SATISFACTORY TO		
SATISFACTORY TO		

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION — MOFFETT FIELD, CA.

NAVAL AIR STATION — MOFFETT FIELD, CA.

PLAN OF HANGAR 1

3 RD FLOOR PLAN

SIZE	CODE IDENT. NO.	NAVFAC. DRAWING NO.
F	80091	
		CONST. CONTR. NO.
SCALE: 1/32"=1'-0"		SPEC.

SHEET 4 OF 21

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1/32"=1'-0" 0'1' 8' 16' 32' 64'

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MOFFETT FIELD NAVAL AIR STATION, HANGAR NO. 1
U.S. NAVAL AIR STATION SUNNYVALE, CALIFORNIA, HISTORIC DISTRICT, CERVERO AVENUE
SANTA CLARA COUNTY

SUNNYVALE VICINITY

UNITED STATES DEPARTMENT OF THE INTERIOR

HISTORIC AMERICAN ENGINEERING RECORD
CA-355A

SHEET 6 OF 17

CALIFORNIA

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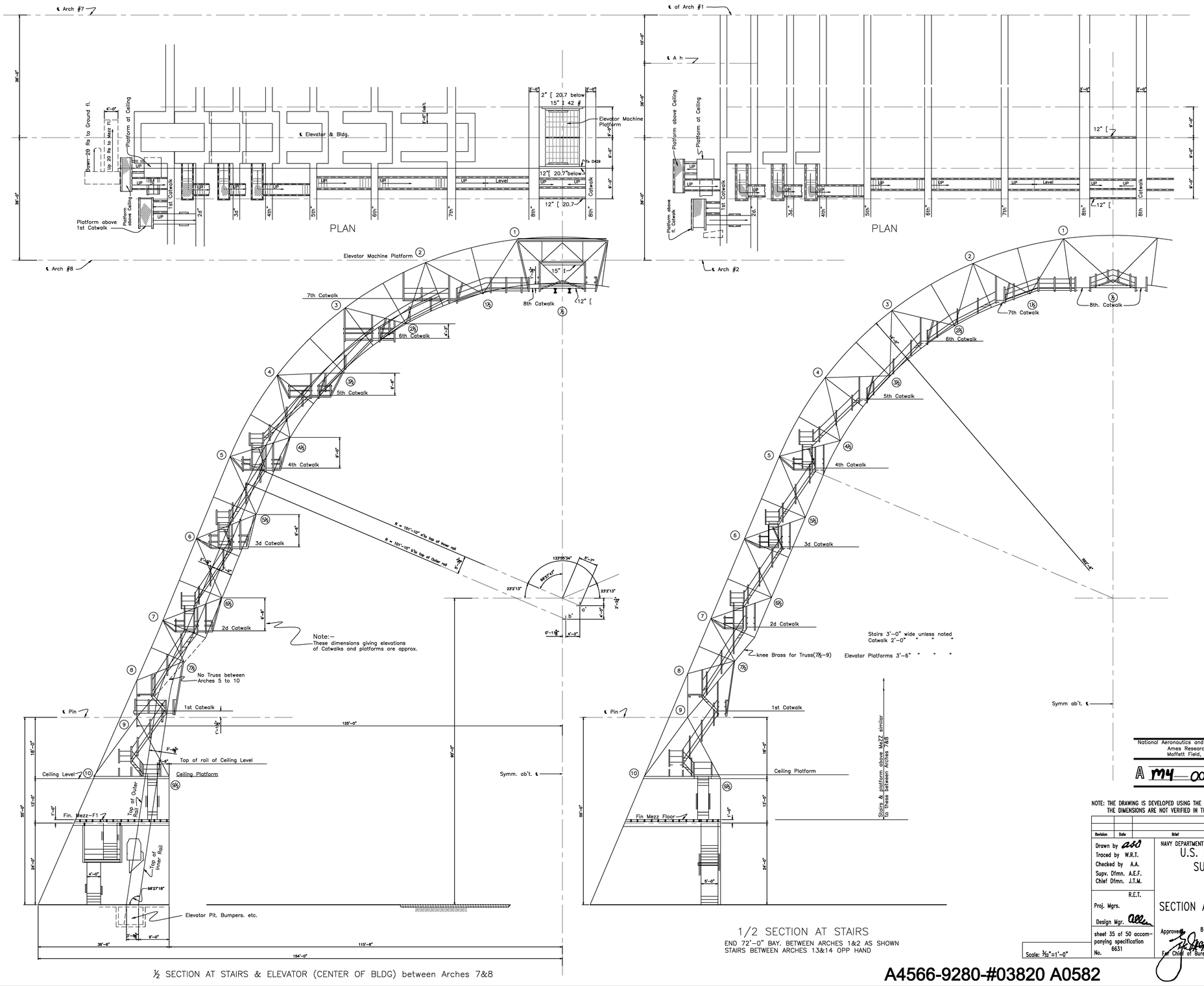

½ SECTION AT STAIRS & ELEVATOR (CENTER OF BLDG) between Arches 7&8

1/2 SECTION AT STAIRS

END 72'–0" BAY. BETWEEN ARCHES 1&2 AS SHOWN
STAIRS BETWEEN ARCHES 13&14 OPP HAND

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

A M4 0001-A39 REV

NOTE: THE DRAWING IS DEVELOPED USING THE ORIGINAL DOCUMENTS AND THE DIMENSIONS ARE NOT VERIFIED IN THE FIELD.

Revision	Date	Brief	By

Drawn by ASO
Traced by W.R.T.
Checked by A.A.
Supv. Dfmn. A.E.F.
Chief Dfmn. J.T.M.
R.E.T.
Proj. Mgrs.
Design Mgr.
sheet 35 of 50 accompanying specification No. 6631

NAVY DEPARTMENT BUREAU OF YARDS DOCKS
U.S. NAVAL AIR STATION
SUNNYVALE, CALIF.
HANGAR
SECTION AT STAIRS & ELEVATORS–GENERAL PLAN
Approved 8–5–1931
For Chief of Bureau
Y. & D. Drawing No. 112235

Scale: 3/32"=1'–0"

A4566-9280-#03820 A0582

3/32"=1'-0" 0' 1' 4' 10' 22'

HISTORIC AMERICAN ENGINEERING RECORD CA-355A

SHEET 7 OF 17

CALIFORNIA

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO. 1
U.S. NAVAL AIR STATION SUNNYVALE, CALIFORNIA, HISTORIC DISTRICT, CENTRAL AVENUE
SANTA CLARA COUNTY

SUNNYVALE VICINITY

DELINEATED BY:
MOFFETT FIELD NAVAL AIR STATION
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

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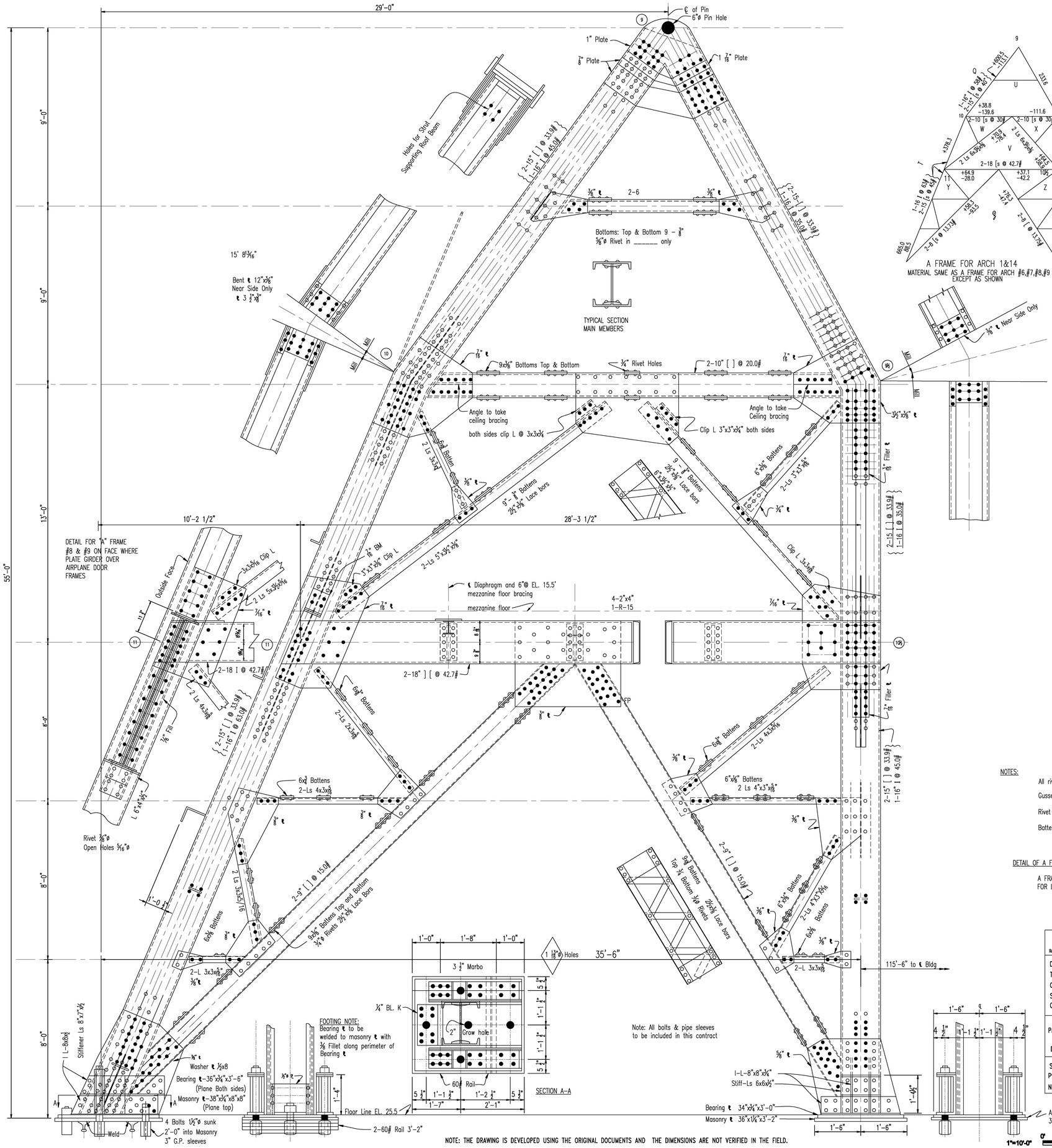

NOTES:

All rivets 7/8" ø Open holes 15/16" unless noted

Gusset plates as noted

Rivet spacing on main members not to exceed 6"

Batten ℄s spaced 3'-0" o.c. max.

DETAIL OF A FRAMES FOR ARCHES 6,7,8,9

A FRAMES FOR #2,#3,#12&#13 SAME EXCEPT FOR LONGITUDINAL TRUSS FRAMING

Scale 1/2"=1'-0" layout
3/4"=1'-0" detail

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

1 REV

A M4---0001-521

Revision	Date	Brief

Drawn by R.L.A.
Traced by Schroyer
Checked by R.Garrett
Supv. Dfmn. A.E.F.
Chief Dfmn J.T.M

Proj. Mgrs. R.E.T.

Design Mgr.

Sheet 7 of 50 accompanying specification No. 6631

NAVY DEPARTMENT BUREAU OF YARDS & DOCKS

U.S. NAVAL AIR STATION
SUNNYVALE, CALIF.

HANGAR

A FRAMES #1,#2,#3,#4,#5,#6,#7,#8,#9,#12,#13#

Approved 8-5-1931
For Chief of Bureau

Y. & D. Drawing No.
#112207

112207

A4564-9280-105545

NOTE: THE DRAWING IS DEVELOPED USING THE ORIGINAL DOCUMENTS AND THE DIMENSIONS ARE NOT VERIFIED IN THE FIELD.

1"=10'-0" 0' 10' 1/2"=1'-0" 3/4"=1'-0" 0' 1' 2'

DELINEATED BY:

MOFFETT FIELD NAVAL AIR STATION
U.S. NAVAL AIR STATION, SUNNYVALE, CALIFORNIA
NATIONAL PARK SERVICE
HISTORIC AMERICAN ENGINEERING RECORD
UNITED STATES DEPARTMENT OF THE INTERIOR

HISTORIC AMERICAN ENGINEERING RECORD
CA-385A

SHEET 8 OF 17

CALIFORNIA

SUNNYVALE VICINITY

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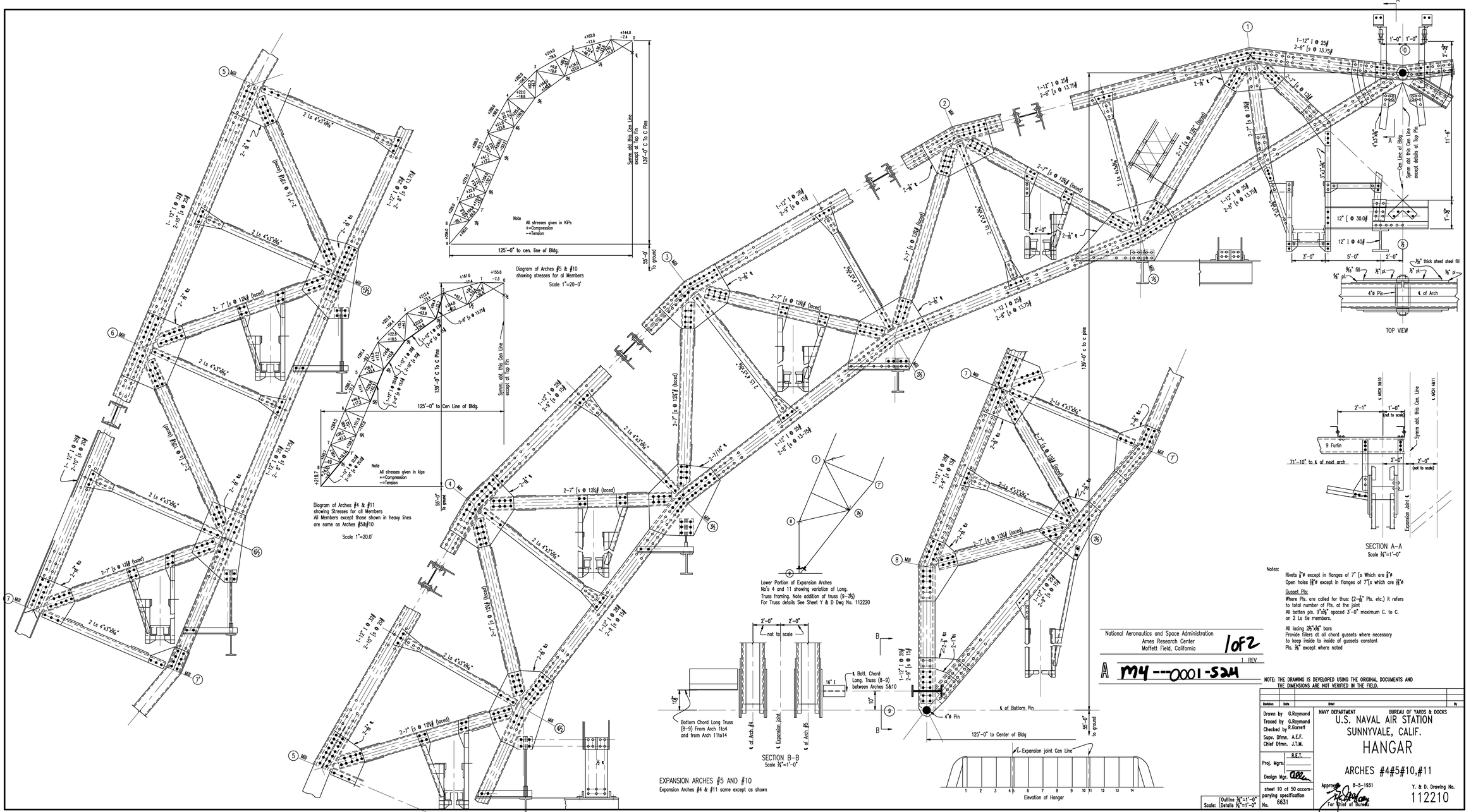

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

1 of 2

1 REV

A M4---0001-524

Revision	Date	Brief	By

Drawn by G.Raymond
Traced by G.Raymond
Checked by R.Garrett
Supv. Dfmn. A.E.F.
Chief Dfmn. J.T.M.
Proj. Mgrs. R.E.T.
Design Mgr.

NAVY DEPARTMENT — BUREAU OF YARDS & DOCKS

U.S. NAVAL AIR STATION
SUNNYVALE, CALIF.

HANGAR

ARCHES #4#5#10,#11

Approved 8-5-1931
For Chief of Bureau

Y. & D. Drawing No. 112210

sheet 10 of 50 accompanying specification No. 6631

Scale: Outline 3/8"=1'-0" Details 3/4"=1'-0"

A4586-9280 505 80

MOFFETT FIELD NAVAL AIR STATION
U.S. NAVAL AIR STATION SUNNYVALE, CALIFORNIA
SANTA CLARA COUNTY

SUNNYVALE VICINITY

HISTORIC AMERICAN ENGINEERING RECORD
CA-338A

SHEET 9 OF 17

CALIFORNIA

HAER, CAL,43-SUNVA.V,1-

DELINEATED BY:

HISTORIC AMERICAN ENGINEERING RECORD
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

3/8"=1'-0" 0' 1' 3' 5'
3/4"=1'-0" 0' 1' 2'
1"=20'-0" 0' 20' 40'

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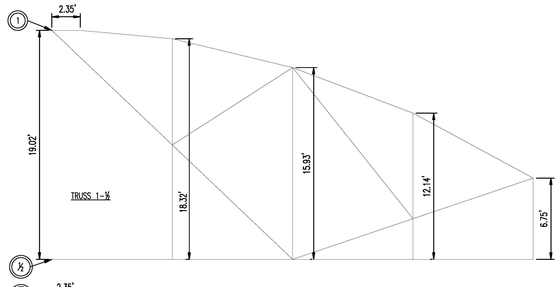
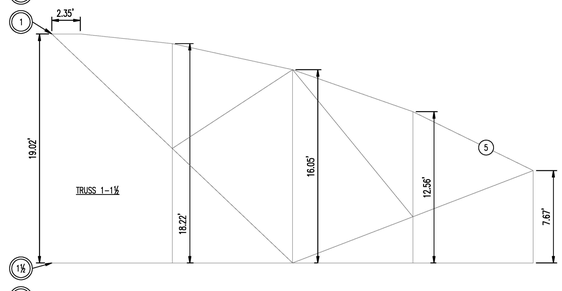
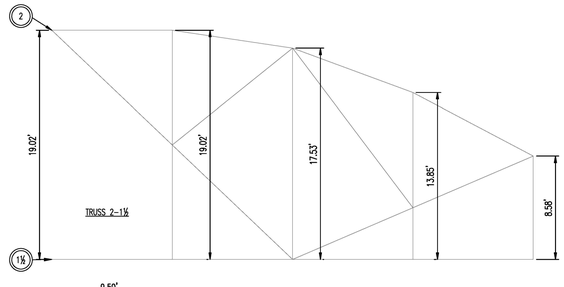
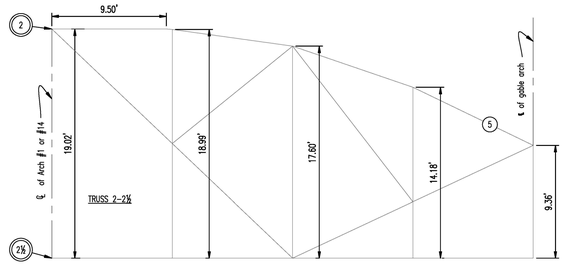
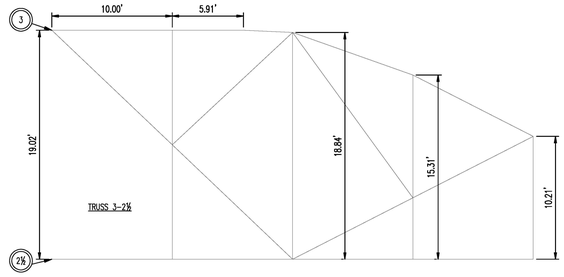
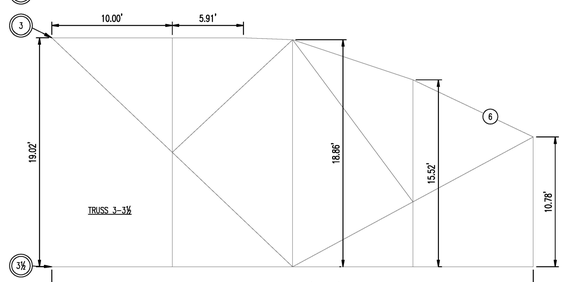


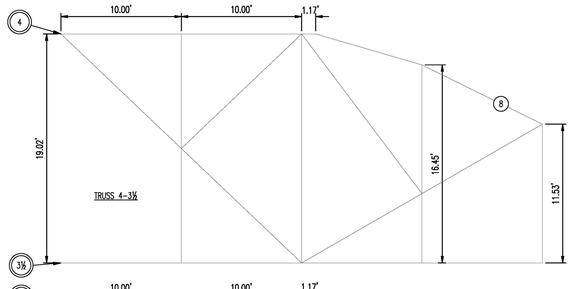


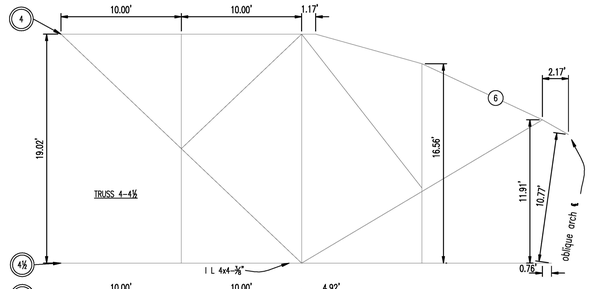


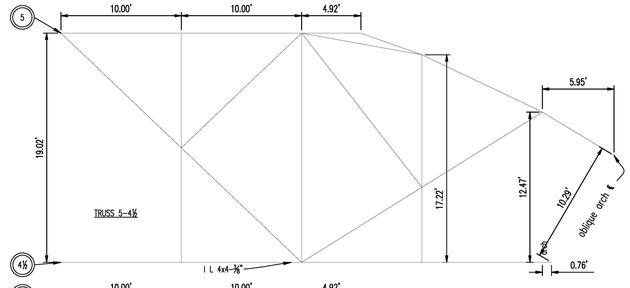


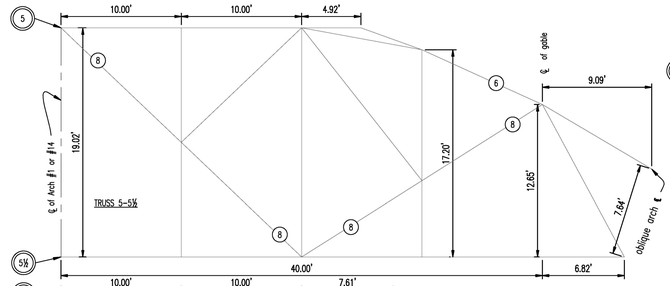


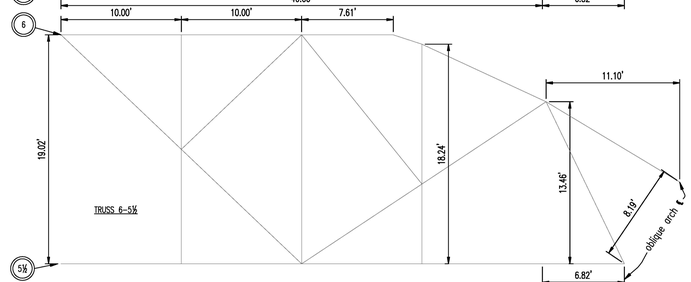


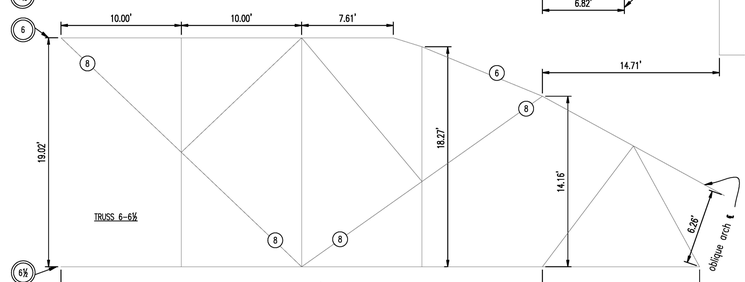


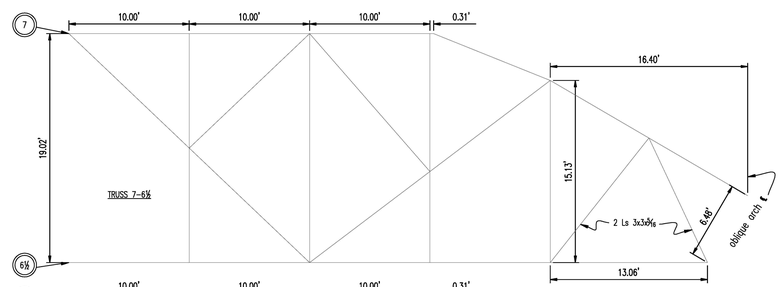


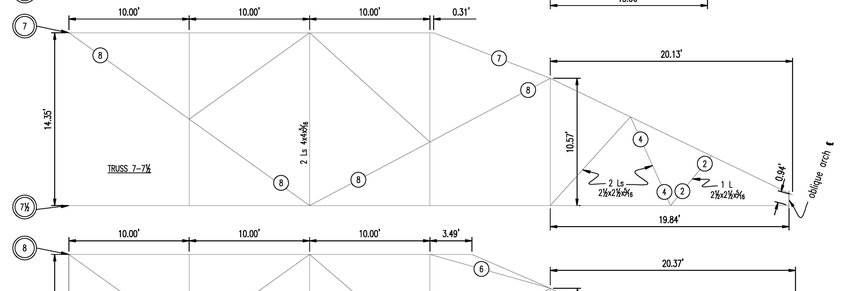


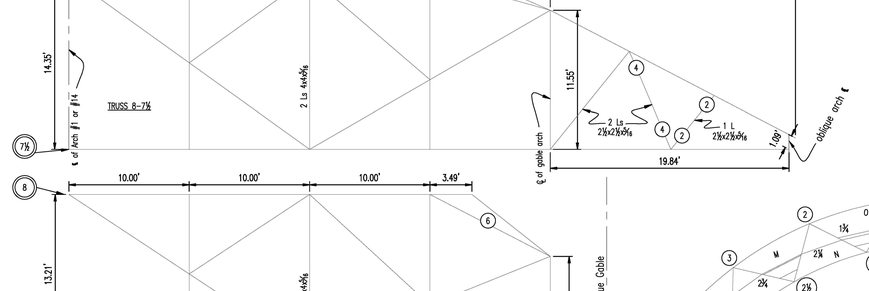


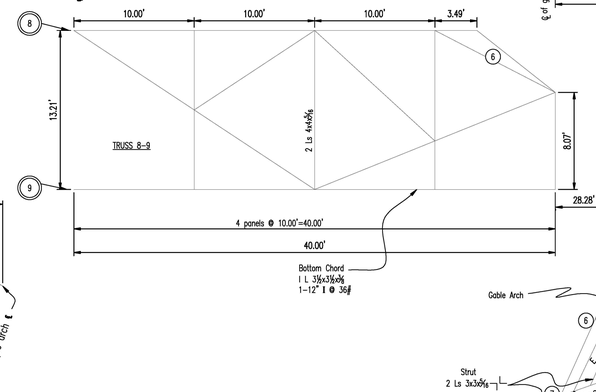


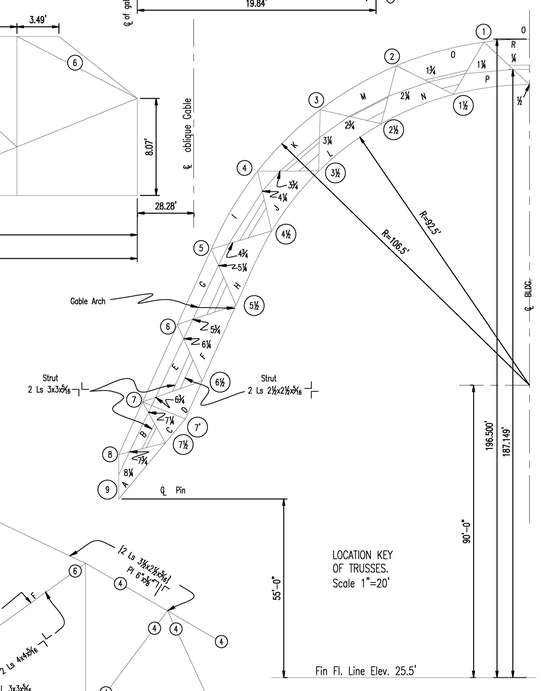




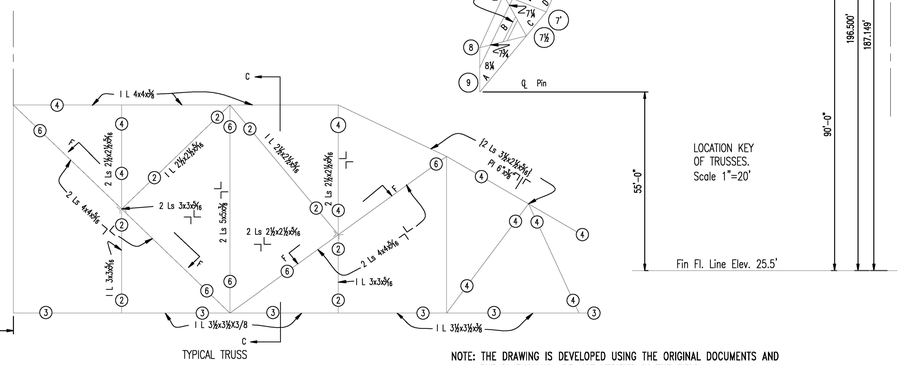








LOCATION KEY OF TRUSSES.
Scale 1"=20'



Size of members is typical for all trusses except as marked.

Figures in circles indicate number of ¾"ø shop rivets in single shear required for each joint ③
All ⌐ sections to have batten plates about 3 c to c
See typical longitudinal truss.

All gusset plates ⅜" thick.
Section F–F similar to section F–F Dwg. No.112217
Section C–C similar to section C–C Dwg. No.112216

NOTE: THE DRAWING IS DEVELOPED USING THE ORIGINAL DOCUMENTS AND THE DIMENSIONS ARE NOT VERIFIED IN THE FIELD.

Revision	Date	Brief	By

Drawn by H.Pear
Traced by Schroyer
Checked by Garrett A.A.
Supv. Dfmn. A.E.F.
Chief Dfmn. J.T.M.

Proj. Mgrs. R.E.T.

Design Mgr.

sheet 22 of 50 accompanying specification No. 6631

NAVY DEPARTMENT BUREAU OF YARDS & DOCKS

U.S. NAVAL AIR STATION
SUNNYVALE, CALIF.

HANGAR

LONGITUDINAL TRUSSES 40'SPAN

Approved 8-5-1931
For Chief of Bureau

Y. & D. Drawing No. 112222

1202-45-26

Scale: 3/16"=1'-0"

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

A M4—0001-517 REV

A4526-9280-40572

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO. 1
U.S. NAVAL AIR STATION, SUNNYVALE, CALIFORNIA
SANTA CLARA COUNTY

SUNNYVALE VICINITY

HISTORIC AMERICAN ENGINEERING RECORD
CA-338A

SHEET 10 OF 17

CALIFORNIA

DELINEATED BY: HISTORIC AMERICAN BUILDINGS SURVEY, NATIONAL PARK SERVICE, UNITED STATES DEPARTMENT OF THE INTERIOR

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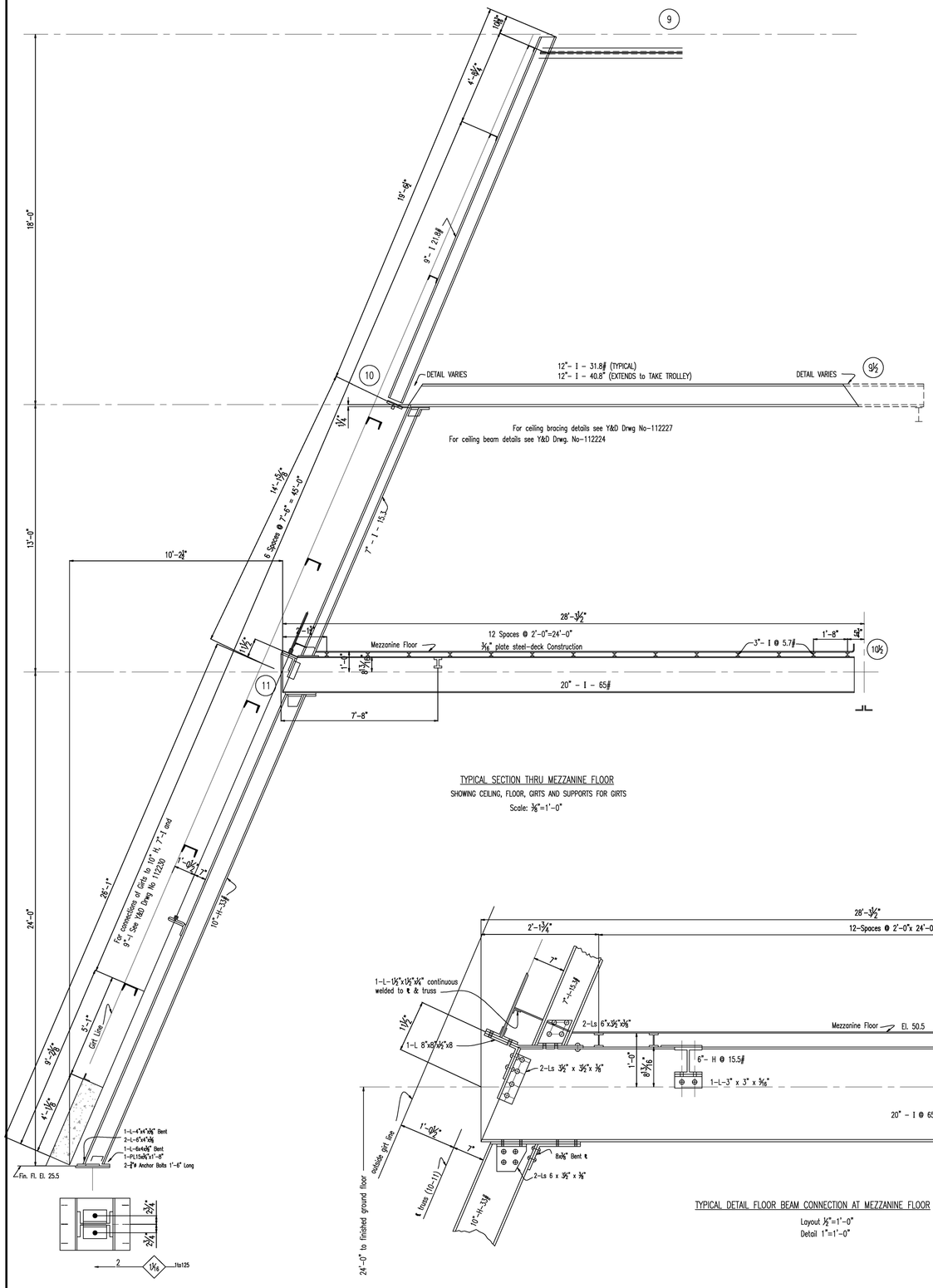
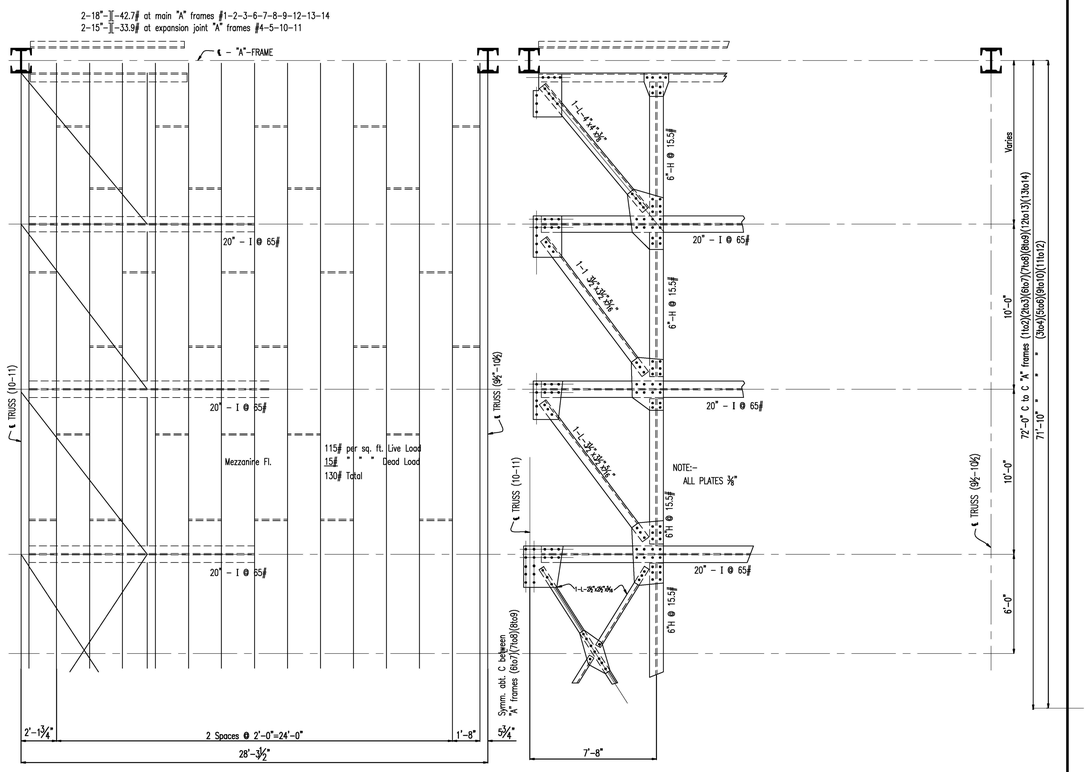
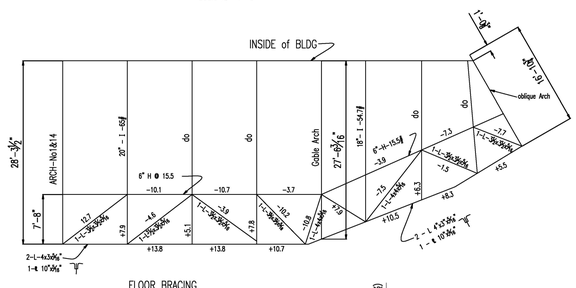


TYPICAL SECTION THRU MEZZANINE FLOOR
SHOWING CEILING, FLOOR, GIRTS AND SUPPORTS FOR GIRTS
Scale: 3⁄8"=1'–0"

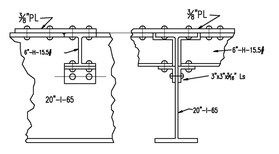


TYPICAL LAYOUT of MEZZANINE FLOOR
SHOWING STEEL DECK IN PLACE
Scale ¼"=1'–0"

TYPICAL DETAIL of BRACING at MEZZANINE FLOOR
SHOWING STEEL DECK REMOVED
Layout ¼"=1'–0"
Detail ⅜"=1'–0"



FLOOR BRACING

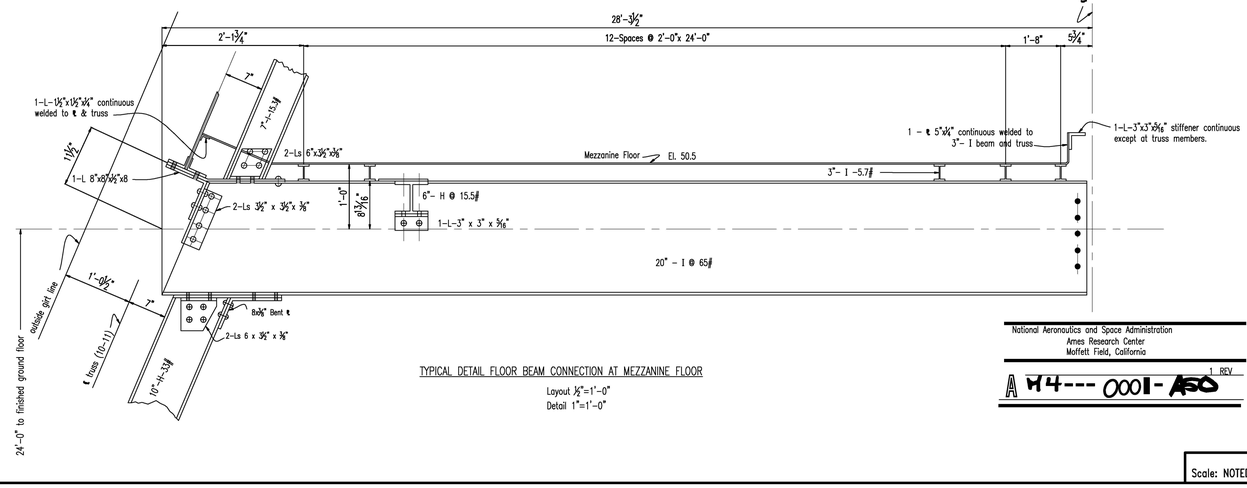


ASSEMBLY DETAIL OF 6" – H
CONNECTION TO 20" – I
Scale 1"=1'–0"

NOTE:–

STEEL DECK CONSTRUCTION

Layout and splices to be as shown. Do not splice over 20"–Is. All joints and seams to be welded solid. One bar 2" x 5⁄16" to be welded at all butt joints. 3"–I–Beams to be welded to 20"–Is and plates to be welded to 3"–I.



TYPICAL DETAIL FLOOR BEAM CONNECTION AT MEZZANINE FLOOR
Layout ½"=1'–0"
Detail 1"=1'–0"

NOTE: THE DRAWING IS DEVELOPED USING THE ORIGINAL DOCUMENTS AND THE DIMENSIONS ARE NOT VERIFIED IN THE FIELD.

Revision	Date	Brief	By

Drawn by Schroyer
Traced by do
Checked by Garrett
Supv. Dfmn. A.E.F.
Chief Dfmn. J.T.M.

Proj. Mgrs. R.E.T.
Design Mgr.

sheet 26 of 50 accompanying specification No. 6631

NAVY DEPARTMENT BUREAU OF YARDS & DOCKS

U.S. NAVAL AIR STATION
SUNNYVALE, CALIF.

HANGAR

MEZZANINE FLOOR FRAMING

Approved 8–5–1931

For Chief of Bureau

Y. & D. Drawing No.
112226

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

1 REV
A M4---0001-ASO

Scale: NOTED

A4546-9280-10676

3/8"=1'–0" 0' 1' 3' 5'
1/4"=1'–0" 0' 1' 2' 4' 8'
1/2"=1'–0" 0' 1' 2' 4'
1"=1'–0" 0' 1' 2'

DELINEATED BY:

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO. 1
U.S. NAVAL AIR STATION, SUNNYVALE, CALIFORNIA
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

SUNNYVALE VICINITY

HISTORIC AMERICAN ENGINEERING RECORD
CA-385A

SHEET 11 of 17

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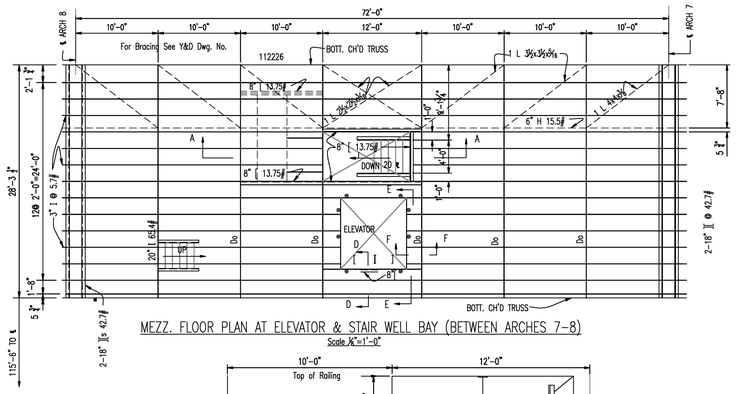
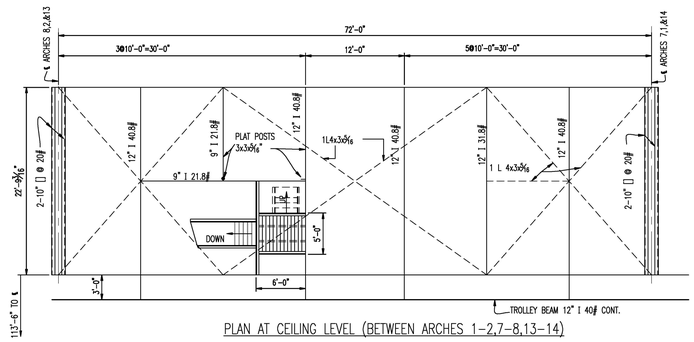


MEZZ. FLOOR PLAN AT ELEVATOR & STAIR WELL BAY (BETWEEN ARCHES 7-8)

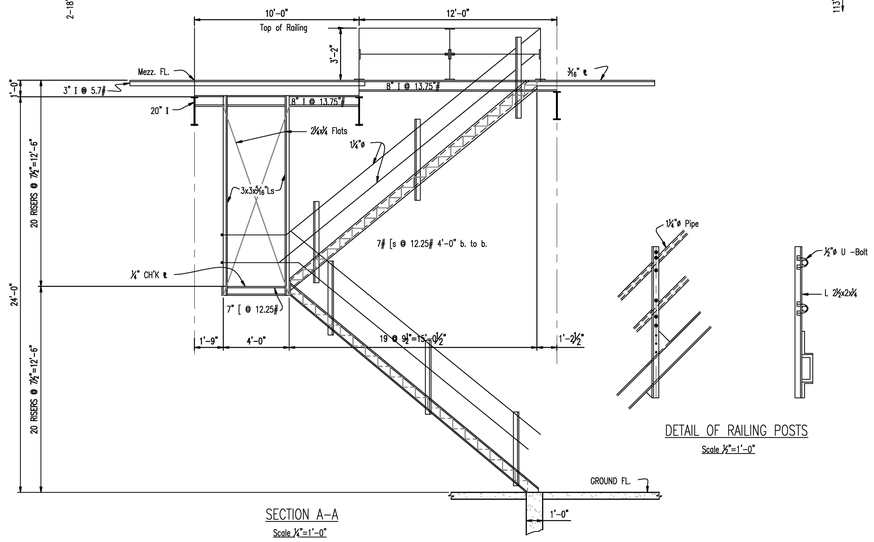
Scale ¼"=1'-0"



PLAN AT CEILING LEVEL (BETWEEN ARCHES 1-2,7-8,13-14)

Scale ¼"=1'-0"

Note:- Clearance around Elevator for stairs etc.
to be determined from approved details of Elevator

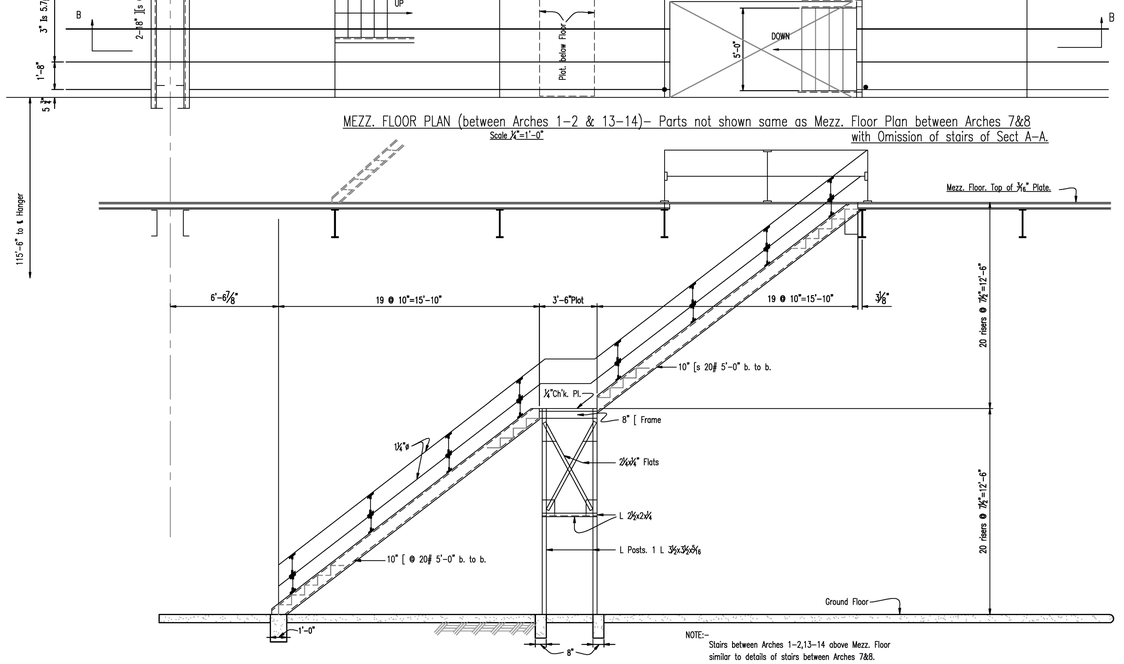


SECTION A-A

Scale ¼"=1'-0"

DETAIL OF RAILING POSTS

Scale ¼"=1'-0"

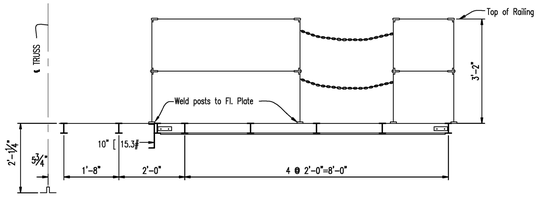


MEZZ. FLOOR PLAN (between Arches 1-2 & 13-14)- Parts not shown same as Mezz. Floor Plan between Arches 7&8 with Omission of stairs of Sect A-A.

Scale ¼"=1'-0"

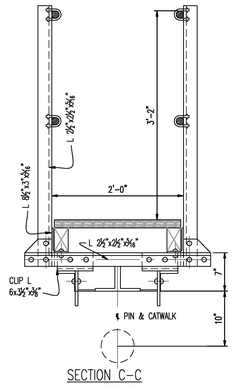
SECTION B-B

Scale: ¼"=1'-0"



SECTION E-E

Scale 1/2"=1'-0"

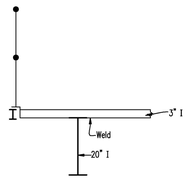


SECTION C-C

Scale 1"=1'-0"

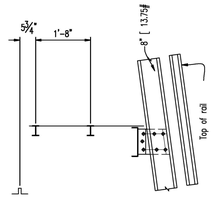
NOTE:- Provide necessary holes for wood.

For sect. C C See Y & D Drwg #112237



SECTION F-F

Scale ¼"=1'-0"



SECTION D-D

Scale ¼"=1'-0"

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

A M4---0001-A40 1 REV

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Revision	Date	Brief	By

Drawn by A.S.G.
Traced by W.R.T.
Checked by A.A.
Supv. Dfmn. A.E.F.
Chief Dfmn. J.T.M.

Proj. Mgrs.: R.E.T.
Design Mgr.

sheet 36 of 50 accompanying specification No. 6631

NAVY DEPARTMENT BUREAU OF YARDS & DOCKS

U.S. NAVAL AIR STATION
SUNNYVALE, CALIF.

HANGAR
MEZZANINE & CEILING FRAMING AT ELEVATORS & STAIRS

Approved 8-5-1931
For Chief of Bureau

Y. & D. Drawing No. 112236

Scale: as noted

A4546-9280-A0583

1/8"=1'-0" 0' 1' 2' 4' 8' 16'
1/4"=1'-0" 0' 1' 2' 4' 8'
1/2"=1'-0" 0' 1' 2' 4'
1"=1'-0" 0' 1' 2'

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO. 1
U.S. NAVAL AIR STATION
MOFFETT FIELD, SANTA CLARA COUNTY, CALIFORNIA
NATIONAL REGISTER OF HISTORIC PLACES
UNITED STATES DEPARTMENT OF THE INTERIOR

SUNNYVALE VICINITY

DELINEATED BY:

HISTORIC AMERICAN ENGINEERING RECORD
CA-338A

SHEET 12 OF 17

CALIFORNIA

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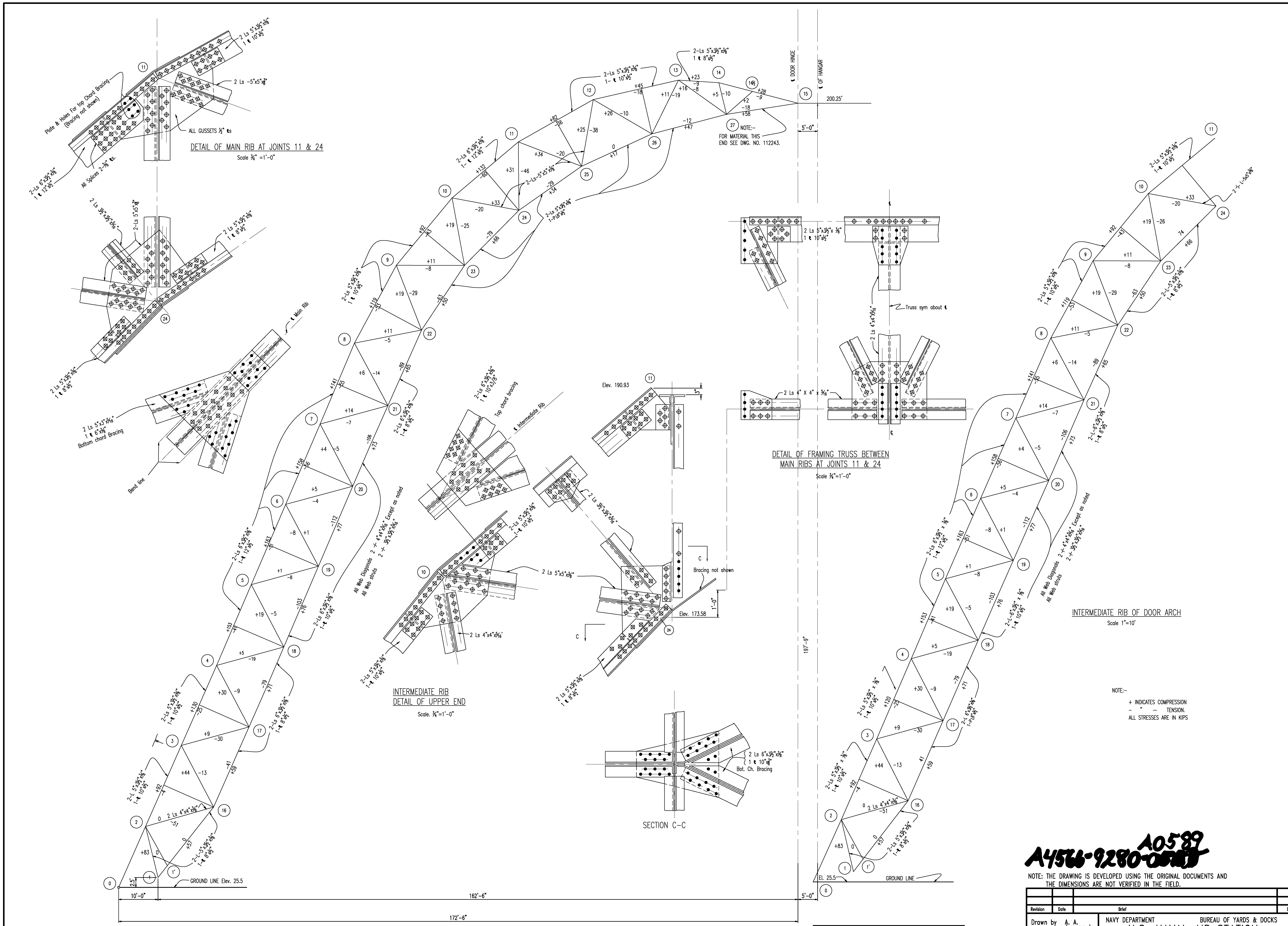

NOTE:-

+ INDICATES COMPRESSION
– " – TENSION.
ALL STRESSES ARE IN KIPS

SECTIONS & STRESSES OF MAIN RIB ⑤ SAME AS FOR MAIN RIBS ① TO ④ EXCEPT FOR BOTTOM CHORD STRESSES WHICH ARE 25% GREATER.

FOR LOCATION OF RIBS SEE Y. & D. DRG. NO. 112243.

A4566-9280-[illegible] A0589

NOTE: THE DRAWING IS DEVELOPED USING THE ORIGINAL DOCUMENTS AND THE DIMENSIONS ARE NOT VERIFIED IN THE FIELD.

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

A M4 — 0001 – A4G REV

Scale: As Shown

Revision	Date	Brief	By

Drawn by A. A. Janssen
Traced by Schroyer
Checked by F.T.M.
Supv. Dfmn. A.E.F.
Chief Dfmn. J.T.M.

Proj. Mgrs. R.E.T.
Design Mgr. Allen

sheet 42 of 50 accompanying specification No. 6631

NAVY DEPARTMENT BUREAU OF YARDS & DOCKS
U.S. NAVAL AIR STATION
SUNNYVALE, CALIF.

HANGAR

MAIN DOOR RIBS, SECTIONS & STRESSES

Approved 8-5-1931
For Chief of Bureau

Y. & D. Drawing No. 112242

1202-45-46

1"=10'-0" 0' 10' 20'   3/4"=1'-0" 0' 1' 2'

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO.1
U.S. NAVAL AIR STATION SUNNYVALE, CALIFORNIA, HISTORIC DISTRICT, CUMMINS AVENUE
SANTA CLARA COUNTY
SUNNYVALE VICINITY
CALIFORNIA

SHEET 13 OF 17

HISTORIC AMERICAN ENGINEERING RECORD CA-355A

DELINEATED BY: MOFFETT FIELD NAVAL AIR STATION RECORDING PROJECT, NATIONAL PARK SERVICE, UNITED STATES DEPARTMENT OF THE INTERIOR

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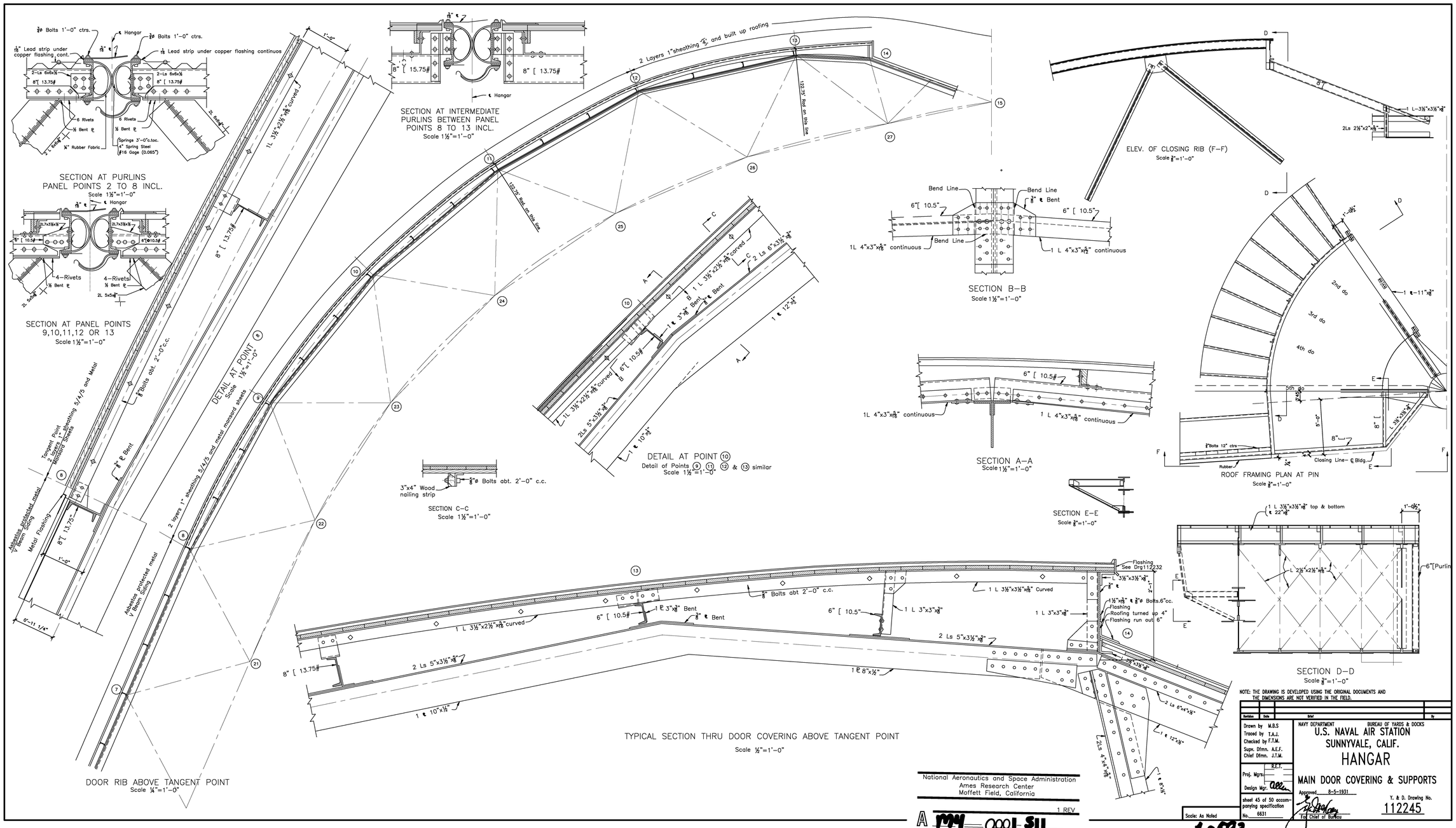

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

1 REV

A M4 0001 S11

A0592

A4566-9280-0592

1202-45-49

1/4"=1'-0" 3/8"=1'-0" 1/2"=1'-0" 1 1/2"=1'-0"

DELINEATED BY:

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO. 1
U.S. NAVAL AIR STATION SUNNYVALE, CALIFORNIA, SANTA CLARA COUNTY

SUNNYVALE VICINITY

SHEET 14 OF 17

CALIFORNIA

HISTORIC AMERICAN ENGINEERING RECORD
CA-355A

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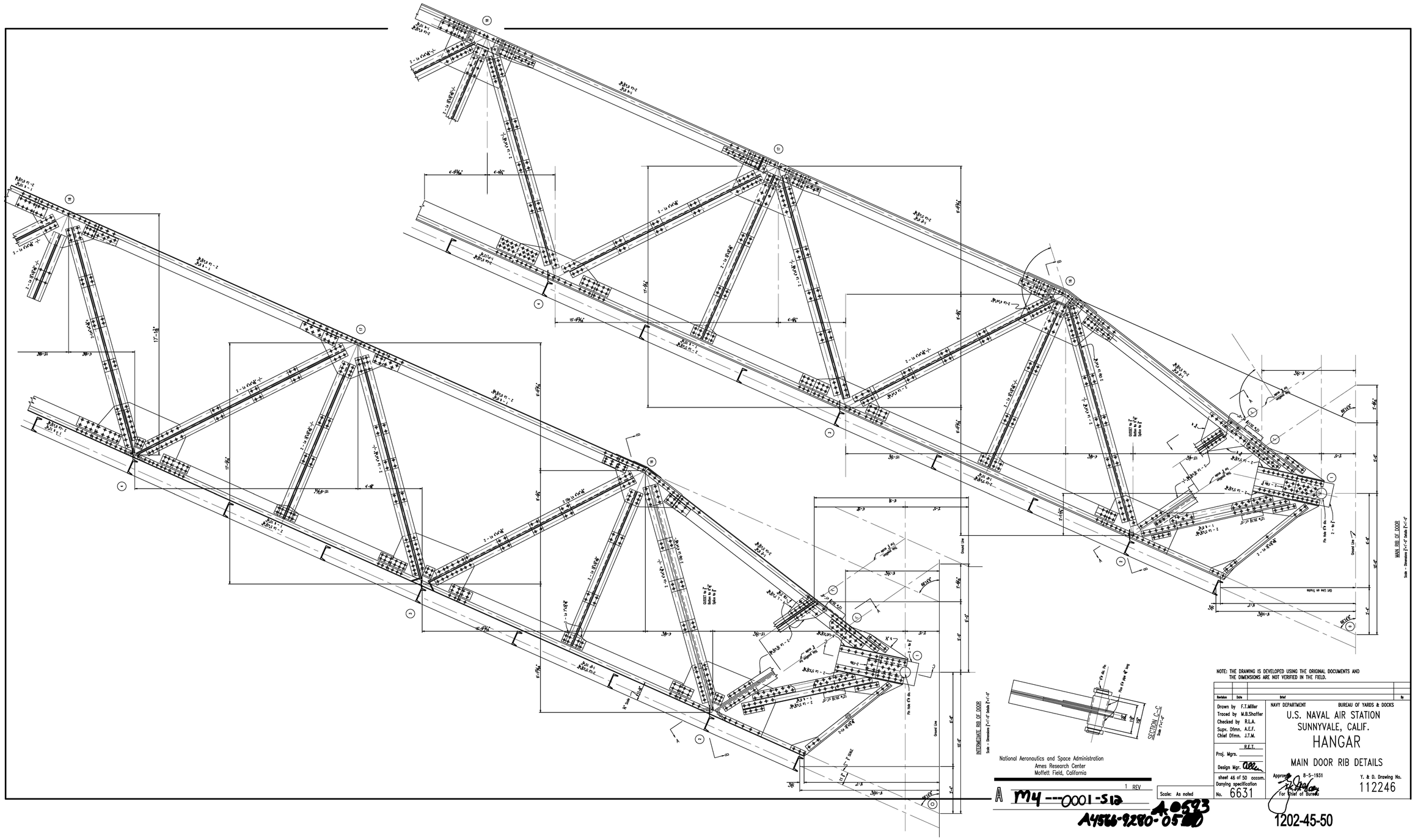

NOTE: THE DRAWING IS DEVELOPED USING THE ORIGINAL DOCUMENTS AND THE DIMENSIONS ARE NOT VERIFIED IN THE FIELD.

Revision	Date	Brief	By

Drawn by F.T.Miller
Traced by M.B.Shaffer
Checked by R.L.A.
Supv. Dfmn. A.E.F.
Chief Dfmn. J.T.M.

R.E.T.
Proj. Mgrs.
Design Mgr.

sheet 46 of 50 accom.
Danying specification
No. 6631

NAVY DEPARTMENT BUREAU OF YARDS & DOCKS

U.S. NAVAL AIR STATION
SUNNYVALE, CALIF.

HANGAR

MAIN DOOR RIB DETAILS

Approved 8-5-1931
For Chief of Bureau

Y. & D. Drawing No.
112246

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

1 REV

A M4---0001-S12

Scale: As noted

A0593
A4566-9280-0500

1202-45-50

1"=1'-0" 0' 1' 2'
1/2"=1'-0" 0' 1' 2' 4'
3/4"=1'-0" 0' 1' 2'

DELINEATED BY:

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO. 1
U.S. NAVAL AIR STATION SUNNYVALE, CALIFORNIA, HISTORIC DISTRICT, CENTRAL AVENUE
SANTA CLARA COUNTY

SUNNYVALE VICINITY

MOFFETT FIELD NAVAL AIR STATION
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

CALIFORNIA

SHEET 15 OF 17

HISTORIC AMERICAN ENGINEERING RECORD
CA-355A

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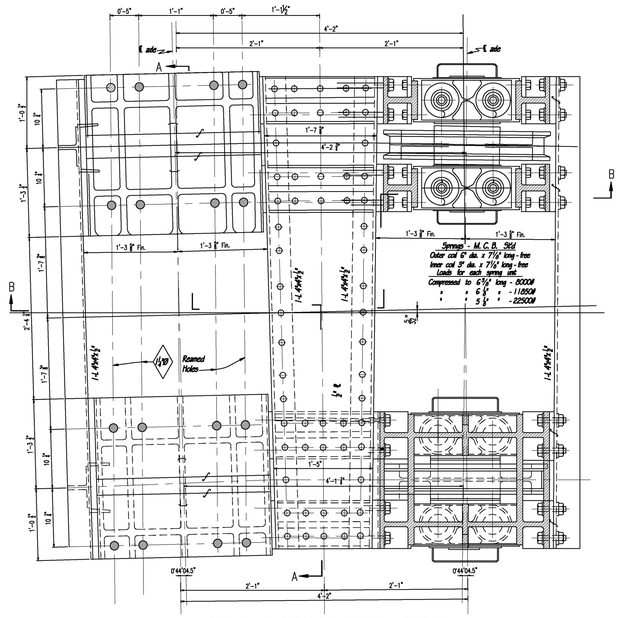
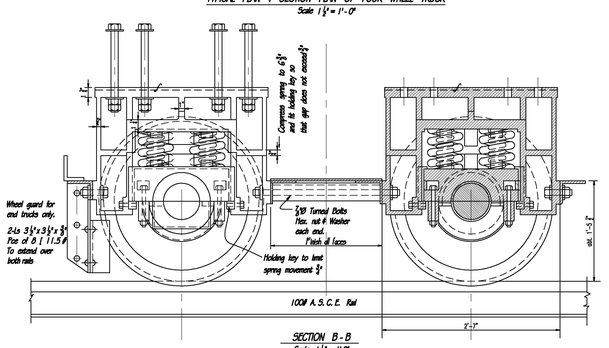
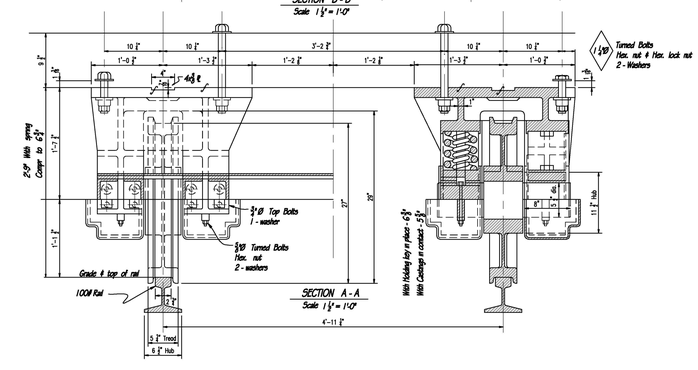


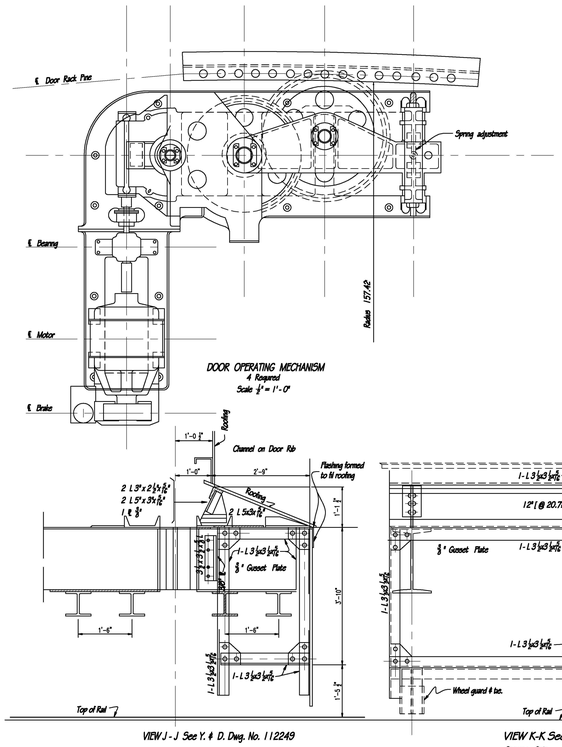
TYPICAL PLAN & SECTION PLAN OF FOUR WHEEL TRUCK
Scale 1½" = 1'-0"



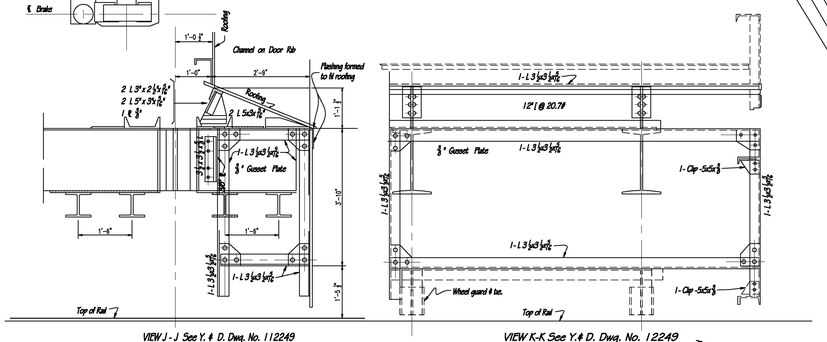
SECTION B-B
Scale 1½" = 1'-0"



SECTION A-A
Scale 1½" = 1'-0"

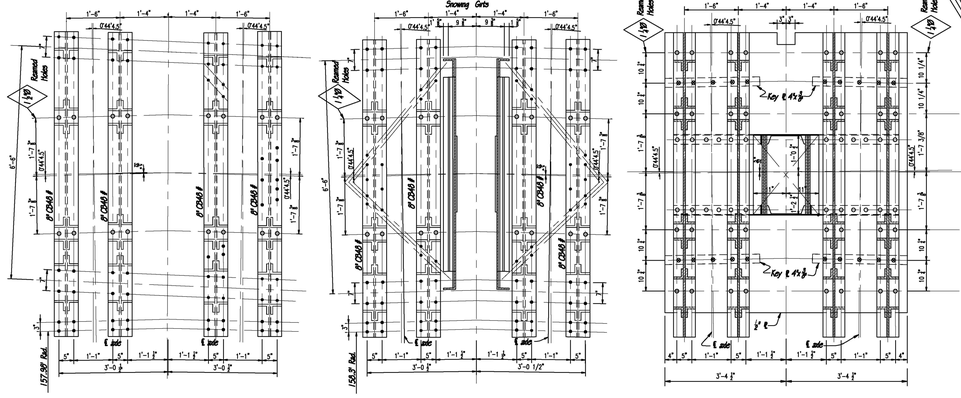


DOOR OPERATING MECHANISM
4 Required
Scale ½" = 1'-0"



VIEW J - J See Y. & D. Dwg. No. 112249

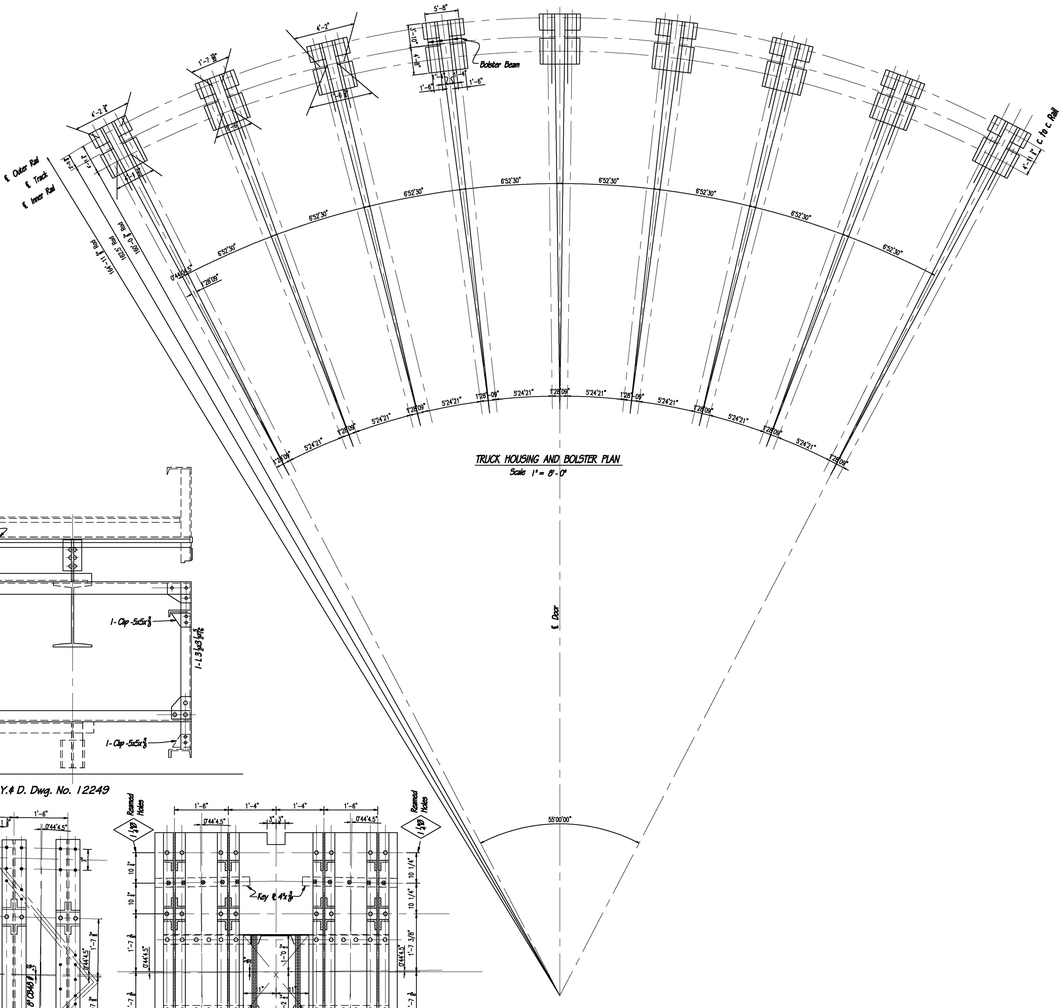
VIEW K-K See Y. & D. Dwg. No. 112249



END BOLSTER PLAN
As shown for center line of Hangar.
Opposite hand for end of Door.
Scale ⅜" = 1'-0"

TYPICAL TOP FLANGE PLAN
Scale ⅜" = 1'-0"

TYPICAL SECTION SHOWING BOTTOM FLANGE OF BOLSTER BEAMS
Scale ⅜" = 1'-0"



TRUCK HOUSING AND BOLSTER PLAN
Scale 1" = 8'-0"

Note-
Wheels to be of rolled steel faces of hubs, tread and flanges to be turned. Hub to be bored to axle diameter to allow a pressed fit of 50 tons.
Axles to be of forged steel, 5⅞" dia. x 8" journals.
Bearing and spring seat block to be of cast iron, babbitt lined box 5½"x 8" and machined to a skating fit to the truck body.
Truck bolsters to be of cast steel, machined finish for spring seat block, all bolt holes to be drilled and reamed for finished bolts, finish all boss faces for angle and wedge separators and for bolster bearing ℄ key.
Oil pans to be of cast iron
see Y & D Dwg No 112249 for details not shown.

National Aeronautics and Space Administration
Ames Research Center
Moffett Field, California

1 REV

A 1144 — 0001 SIS

Scale: As noted

A4566-9280-10535

NOTE: THE DRAWING IS DEVELOPED USING THE ORIGINAL DOCUMENTS AND THE DIMENSIONS ARE NOT VERIFIED IN THE FIELD.

Revision	Date	Brief	By

Drawn by F.T.Miller
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Supv. Dfmn. A.E.F.
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Proj. Mgrs. R.E.T.
Design Mgr.

sheet 41 of 50 accompanying specification No. 6631

NAVY DEPARTMENT — BUREAU OF YARDS & DOCKS
U.S. NAVAL AIR STATION
SUNNYVALE, CALIF.
HANGAR
MAIN DOOR BOLSTERS & TRUCKS

Approved 8-5-1931
For Chief of Bureau
Y. & D. Drawing No. 112248

1202-45-52

3/4"=1'-0" 0' 1' 2'
1/8"=1'-0" 0' 1' 2' 4'
1 1/2"=1'-0" 0' 1' 2'
1"=8'-0" 0' 8' 16'

DELINEATED BY:
WORKS PROGRESS ADMINISTRATION
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

MOFFETT FIELD NAVAL AIR STATION, HANGAR NO. 1
U.S. NAVAL AIR STATION SUNNYVALE, CALIFORNIA
SANTA CLARA COUNTY

SUNNYVALE VICINITY

HISTORIC AMERICAN ENGINEERING RECORD
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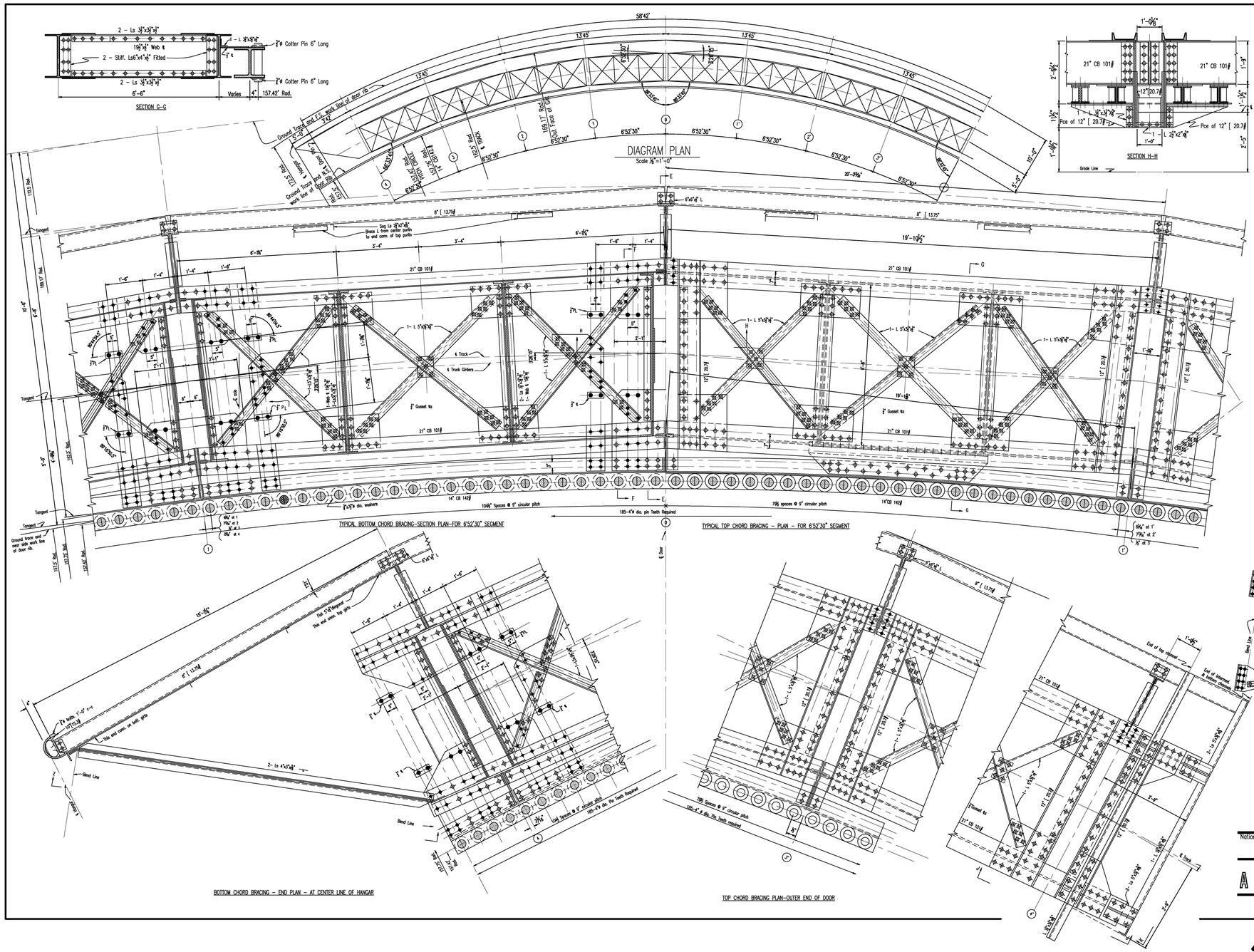

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