NOTE: LOCATIONS SHOWN FOR DOWN LEAD ANCHOR FRAMES ARE TYPICAL FOR BOTH WINGS. OTHER WING IS OPP. HAND.

LOCATION
ANCHOR FRAME
NO SCALE

LOCATION
ANCHOR FRAME

SYMMETRICAL
℄ HELIX HOUSE

CENTER TOWER

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

ELEVATION TOP OF SLAB
NORTH = 119.50'
SOUTH = 123.50'

NOTE:
FOR ROOF SLAB SECTIONS
SEE Y&D DWG. NO. 860754

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

DETAIL 'B'
SCALE 1½"=1'-0"

PLAN & ANCHOR BOLT LOCATIONS

ELEVATION
SCALE ½"=1'-0"

DETAIL 'A'
SCALE 1½"=1'-0"

DOWN LEAD ANCHOR FRAME

DOWN LEAD ANCHOR FRAME

MODIFICATION IN ROOF SLAB AT DOWNLEAD ANCHOR LOCATIONS
NO SCALE

SYMBOL	DESCRIPTION	DATE	APPROVAL
	REVISIONS		

ARCHITECTS JOB No. 58116	DEPARTMENT OF THE NAVY — BUREAU OF YARDS AND DOCKS DISTRICT PUBLIC WORKS OFFICE — 1ST ND BOSTON, MASS.
ARCHITECTS DRAWING No. 58116.109	ROBERT AND COMPANY ASSOCIATES — ARCH. - ENGR. ATLANTA, GA.
DES R.F.W. L.W.S.	U. S. NAVAL RADIO STATION (T)
DRWN D.F.B.	CUTLER, MAINE
CHK L.W.S.	HELIX HOUSES - STRUCTURAL
SUPV H.C.ROBERT JR.	CONCRETE ROOF FRAMING PLAN
OIC	
RVD	
SUPV	
MGR	

APPROVED _____ DATE _____
OIC FOR CHIEF OF BUREAU

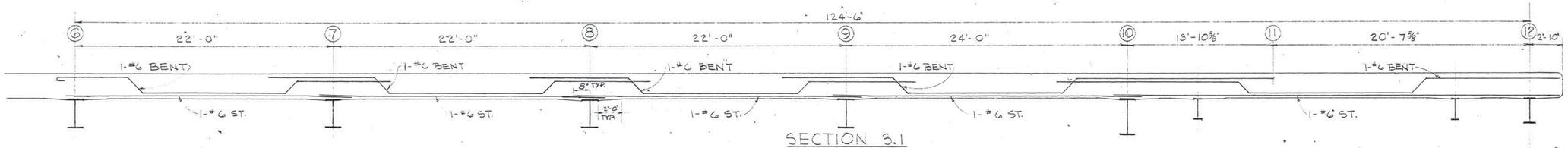
SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES
DATE 6-30-59

SATISFACTORY TO _____ DATE _____

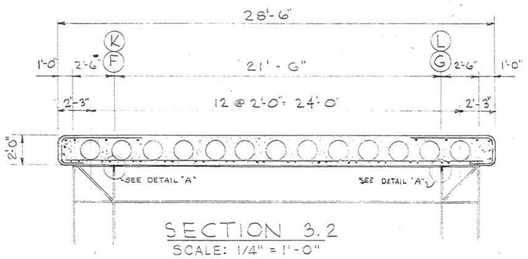
SATISFACTORY TO CONTINENTAL ELECTRONICS MFG. CO. _____ DATE _____

SCALE 1/8 = 1'-0 SPEC. 22964/58
SHEET 11 OF 49 NO. NBy-22964
Y & D DRAWING NO. 860753

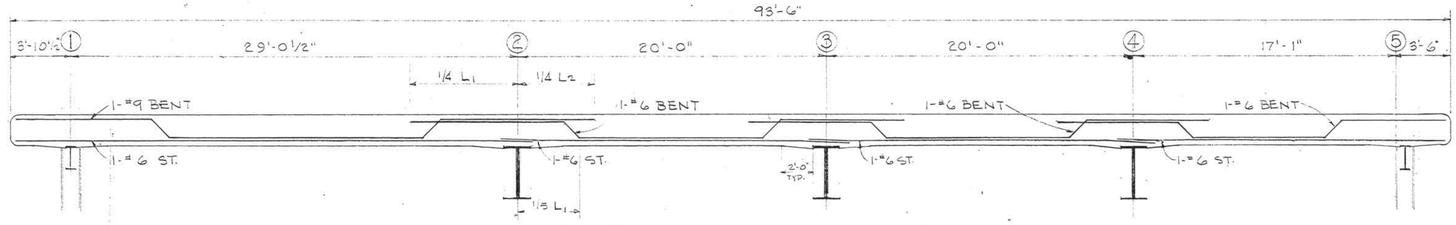
W. R. ELLIOTT CO., PITTSBURGH RICHMOND A-32692



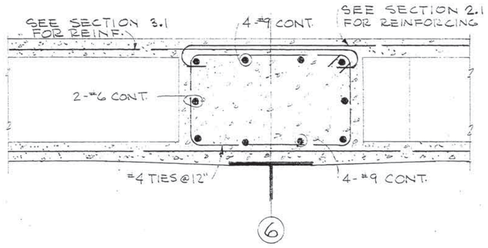
SECTION 3.1
SCALE: 1/4" = 1'-0"



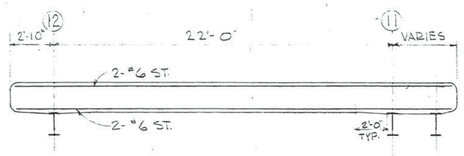
SECTION 3.2
SCALE: 1/4" = 1'-0"



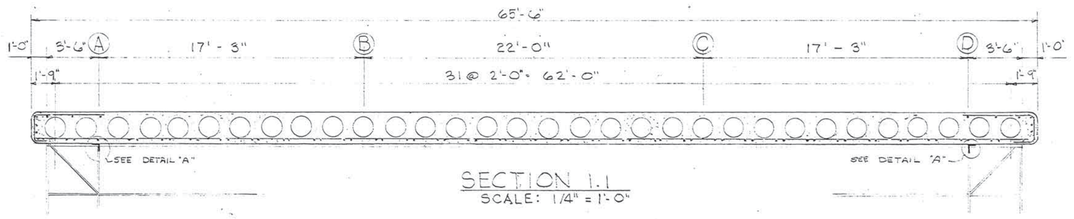
SECTION 2.1
SCALE: 1/4" = 1'-0"



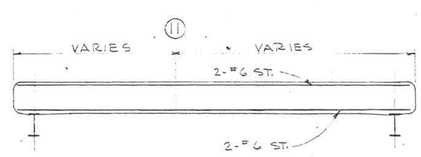
SECTION 3.3
SCALE: 1" = 1'-0"



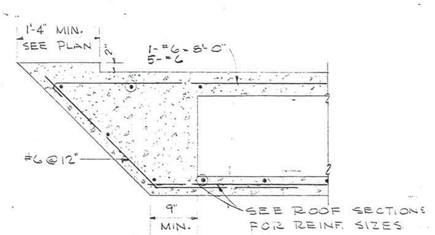
SECTION 3.4
SCALE: 1/4" = 1'-0"



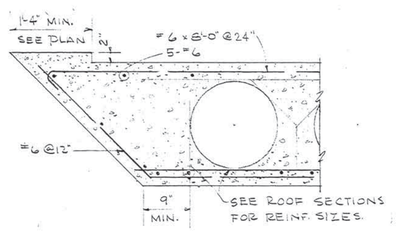
SECTION 1.1
SCALE: 1/4" = 1'-0"



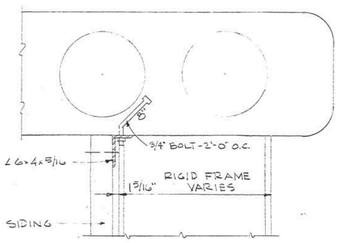
SECTION 3.5
SCALE: 1/4" = 1'-0"



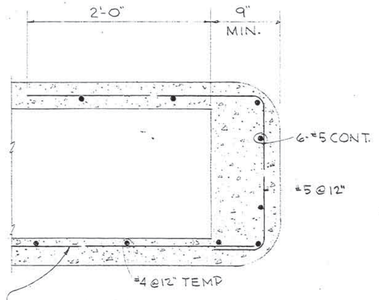
SECTION 2.2
SCALE: 1" = 1'-0"

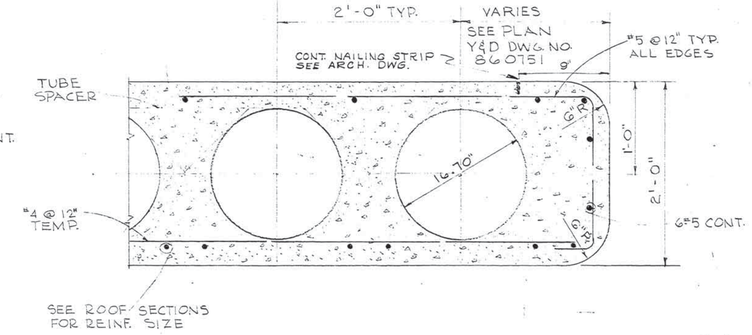


SECTION 1.2
SCALE: 1" = 1'-0"

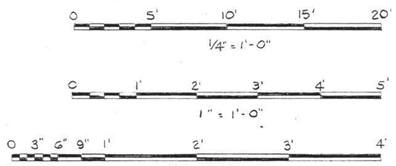


DETAIL - "A"
SCALE: 1" = 1'-0"





SECTIONS AT EAVE
SCALE: 1½" = 1'-0"



GRAPHIC SCALES

SYMBOL	DESCRIPTION	DATE	APPROVAL
	REVISIONS		

ARCHITECTS JOB No. 5816
ARCHITECTS DRAWING No. 5816.110
DES R.F.W. L.W.S.
DRWN D.F.B.
CHK L.W.S.
SUPV H.C.ROBERT JR.
O.I.C.
RVD
SUPV
MGR

DEPARTMENT OF THE NAVY — BUREAU OF YARDS AND DOCKS
DISTRICT PUBLIC WORKS OFFICE — 1ST ND BOSTON, MASS.
ROBERT AND COMPANY ASSOCIATES — ARCH. - ENGR.
ATLANTA, GA.

U. S. NAVAL RADIO STATION (T)
CUTLER, MAINE
HELIX HOUSES - STRUCTURAL

CONCRETE ROOF DETAILS

APPROVED _____ DATE _____
O.I.C. FOR CHIEF OF BUREAU

SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES
DATE 6-30-59

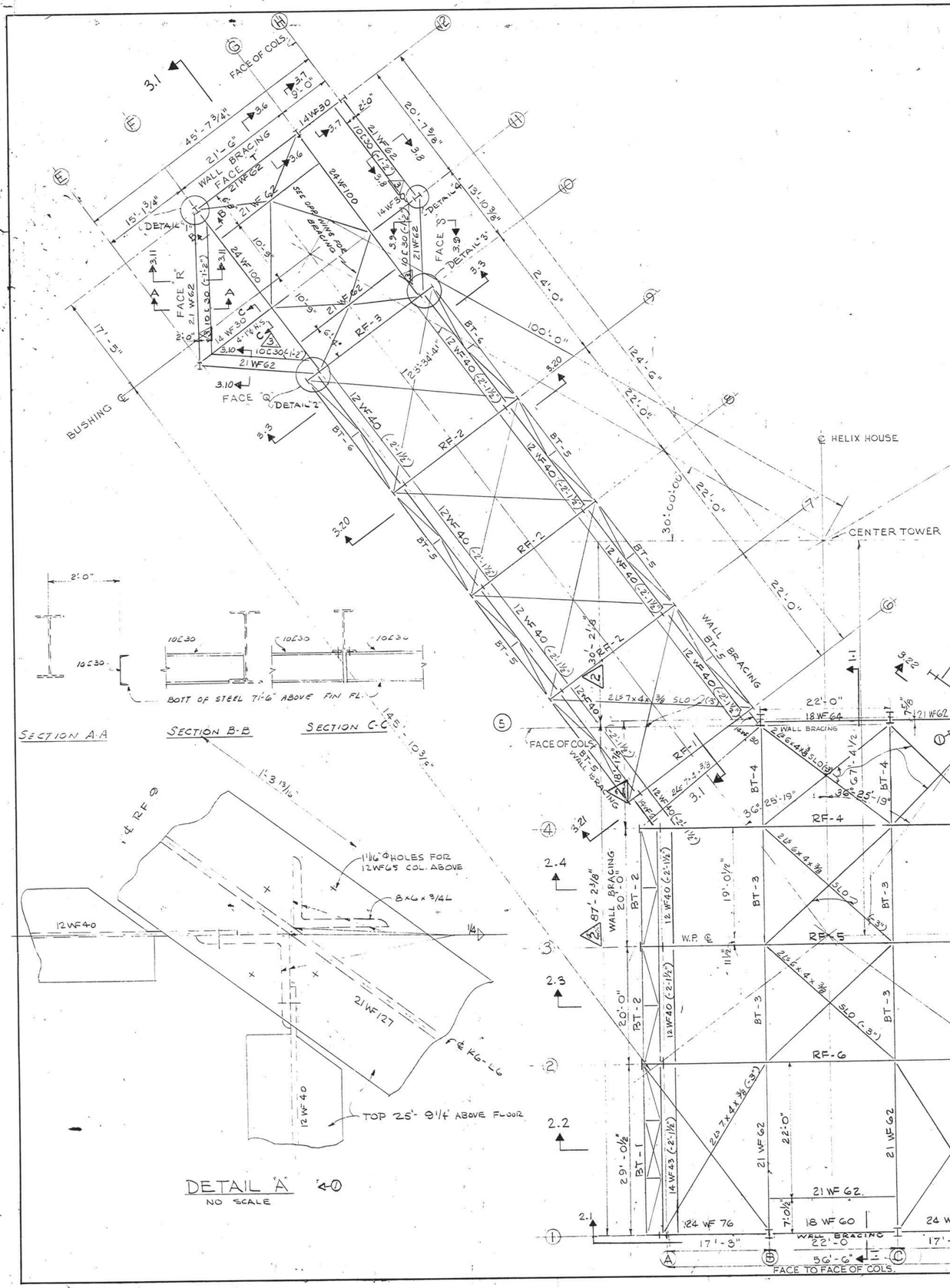
SATISFACTORY TO _____ DATE _____

SATISFACTORY TO _____ DATE _____

SATISFACTORY TO CONTINENTAL ELECTRONICS MFG. CO. _____ DATE _____

SCALE AS SHOWN SPEC. 22964/58
SHEET 12 OF 49 NO. NBy-22964
Y & D DRAWING NO. 860754

U. K. ELLIOTT CO., PITTSBURGH #SONDER A-20092



NOTE:
ALL CONNECTIONS IN ACCORDANCE WITH THE PROVISIONS OF NAVDOCKS 12YD & 22YC. ALL WELDING IN ACCORDANCE WITH AMERICAN WELDING SOCIETY "STANDARD SPECIFICATIONS FOR WELDED HIGHWAY AND RAILWAY BRIDGES" D2.0-56

CONNECTIONS SHALL BE 7/8" ⊖ RIBBED BOLTS EXCEPT WALL BRACING AND COLUMN SPLICES WHICH ARE TO BE 1" ⊖ H.S. RIBBED BOLTS.

DESIGN LOADS

1. DEAD LOAD
2. FULL WIND LOAD BASED UPON A WIND VELOCITY OF 110 MPH AT 50-FEET ABOVE THE GROUND, AUGMENTED FOR GREATER HEIGHTS IN ACCORDANCE WITH THE SEVENTH-ROOT LAW. ALL WIND LOADS APPLIED IN ACCORDANCE WITH NAVDOCKS TP-TE-3, 15 MAY 1954.
3. SEISMIC LOAD - ZONE 1 IN ACCORDANCE WITH NAVDOCK TP-TE-3.
4. UPPER FLOOR - 100 PSF.
5. ROOF LOAD LL45 LB/SF.
6. FALLING ICE - 5# KIPS (INCLUDING IMPACT).

ELEVATION TOP OF STEEL 73'-6" ABOVE FINISHED FLOOR
EXCEPT AS NOTED.
FLOOR ELEV. NORTH HELIX HOUSE 44.00'
FLOOR ELEV. SOUTH HELIX HOUSE 48.00'

NOTE:
FOR SECTIONS 2.2, 2.3, 2.4
SEE Y&D DWG. 860760

FOR SECTION 3.20, 3.21, 3.22, 3.23 & 3.24
SEE Y&D DWG. 860759

FOR DETAILS 1, 2, 3, 4
FOR SECTION 2.1, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11
SEE Y&D DWG. 860762

FOR SECTIONS 1.1, 3.1,
SEE Y&D DWG. 860758

FOR SECTIONS 3.12, 3.13, 3.14, 3.15, 3.16, 3.17, 3.18, 3.19, SEE Y&D DWG. 877736
FOR SECTION 3.3 - SEE Y&D DWG. 877740

3 ▷ NEW CEILING FRAMING MAY BE FIELD WELDED OR BOLTED TO EXISTING FRAMING

AS OF AMENDMENT #4

GRAPHIC SCALE 0 5' 10' 15' 20' 25' 30' 35' 40'
1/8" = 1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVAL
3	AMENDMENT #4 - ADDED FRAMING FOR CEILING DIMENSIONS REFERRED	4/14/60	
2	AMENDMENT #1 - TO ℄ OF COL. B5 & C5	1/12/60	Santos
1 ▷	REDESIGN CHANGES	12/7/59	L.W.S.

REVISIONS

ARCHITECTS JOB No. 58116	DEPARTMENT OF THE NAVY, DISTRICT PUBLIC WORKS OFFICE, BUREAU OF YARDS AND DOCKS, 1ST ND BOSTON, MASS.
ARCHITECTS DRAWING No. 58116.111	ROBERT AND COMPANY ASSOCIATES — ARCH. - ENGR. ATLANTA, GA.
DES R.F.W. L.W.S.	U. S. NAVAL RADIO STATION (T)
DRWN D.F.B.	CUTLER, MAINE
CHK L.W.S.	HELIX HOUSES - STRUCTURAL
SUPV H.C. ROBERT JR.	ROOF FRAMING PLAN
OIC	
RVD	
SUPV	
MGR	

SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES — DATE 6-30-59

SATISFACTORY TO BUSHIPS — DATE 8/15/59

SATISFACTORY TO AS OF AMENDMENT #1 — DATE 3/29/60

SATISFACTORY TO CONTINENTAL ELECTRONICS MFG. CO. — DATE 5/14/59

APPROVED — DATE 6/12/59
FOR CHIEF OF BUREAU

SCALE AS SHOWN — SPEC. 22964/58
SHEET 13 OF — NO. NBY-22964
Y & D DRAWING NO. 860755

NOTE:
FOR ENLARGED PLAN OF RIGHT UPPER FLOOR PLAN- SEE Y&D 877737

THIS WING COMPLETELY REVISED.

NOTES

(1). FOR SECTIONS 1.1, 3.1, SEE Y&D DWG. 860758
(2). FOR SECTIONS 3.20 SEE Y&D DWG. 860759
(3). FOR SECTIONS 2.2, 2.4, SEE Y&D DWG. 860760
(4). FOR SECTIONS 1.2, 2.1, 3.6, 3.7, 3.8, 3.9, 3.10, SEE Y&D DWG. 860762
(5). FOR SECTIONS 3.12, 3.13, 3.14, 3.15, 3.16, 3.17, 3.18, SEE Y&D DWG. 877736.
(6). FOR DETAILS 5 & 6 SEE Y&D DWG 860762
(7). NEW CEILING FRAMING MAY BE FIELD WELDED OR BOLTED TO EXISTING FRAMING.

AS OF AMENDMENT #4

UPPER FLOOR FRAMING PLAN

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

ELEVATION TOP OF STEEL 35'-9½" ABOVE FIN. FLOOR EXCEPT AS NOTED ( ).
NORTH HELIX HOUSE FLOOR ELEV. 44.00'
SOUTH HELIX HOUSE FLOOR ELEV. 48.00'

0 5' 10' 15' 20' 25' 30' 35' 40'
1/8" = 1'-0"
GRAPHIC SCALE

SYMBOL	DESCRIPTION	DATE	APPROVAL
3	AMENDMENT #4 - ADDED FRAMING FOR CEILING	4/11/60	J.J.S.
	DIMENSIONS REFERRED TO ℄ OF COLUMNS B5 & C5		
2	AMENDMENT #1	11/12/60	Santos
1	REDESIGN CHANGES	12/7/59	L.W.S.

REVISIONS

ARCHITECTS JOB No. 58116
ARCHITECTS DRAWING No. 58116.112
DES R.F.W. L.W.S.
DRWN D.F.B.
CHK L.W.S.
SUPV H.C. ROBERT JR.
O.I.C.
RVD
SUPV
MGR

DEPARTMENT OF THE NAVY — DISTRICT PUBLIC WORKS OFFICE
BUREAU OF YARDS AND DOCKS — 1ST NO BOSTON, MASS.
ROBERT AND COMPANY ASSOCIATES — ARCH. - ENGR.
ATLANTA, GA.

U. S. NAVAL RADIO STATION (T)
CUTLER, MAINE
HELIX HOUSES - STRUCTURAL
UPPER FLOOR FRAMING PLAN

APPROVED [signature] DATE 8/18/59
OIC FOR CHIEF OF BUREAU

SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES [signature] DATE 6-30-59

SATISFACTORY TO BUSHIPS [signature] DATE 8/15/59

SATISFACTORY TO AS OF AMENDMENT #1 [signature] DATE [illegible]

SATISFACTORY TO CONTINENTAL ELECTRONICS MFG. CO. [signature] DATE 8/14/59

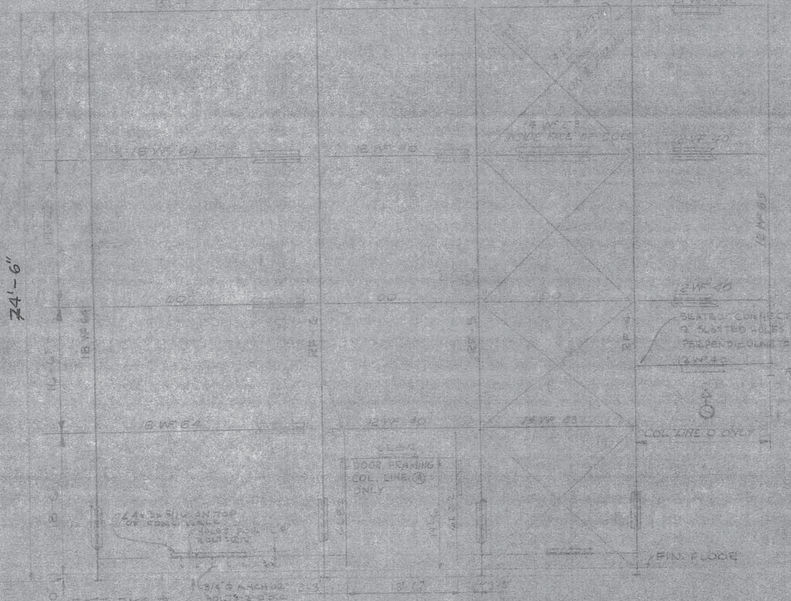
SCALE 1/8 = 1'-0 SPEC. 22964/58
SHEET 14 OF — NO. NBY - 22964
Y & D DRAWING NO. 860756

LEFT

69'-0½"

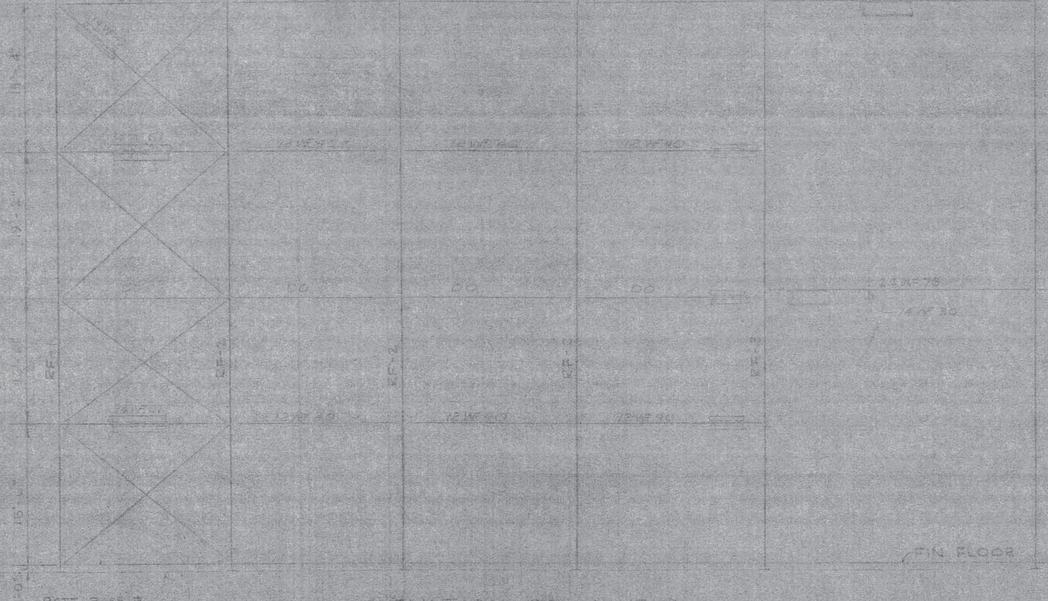
1 29'-0½" 2 20'-0" 3 20'-0" 4 5

74'-6"



ELEVATION COL. LINE (D)
(OPPOSITE HAND COL. LINE (A))
SCALE: 1/8"=1'-0"

6 22'-0" 7 22'-0" 8 22'-0" 9 24'-0" 10 34'-6" 12



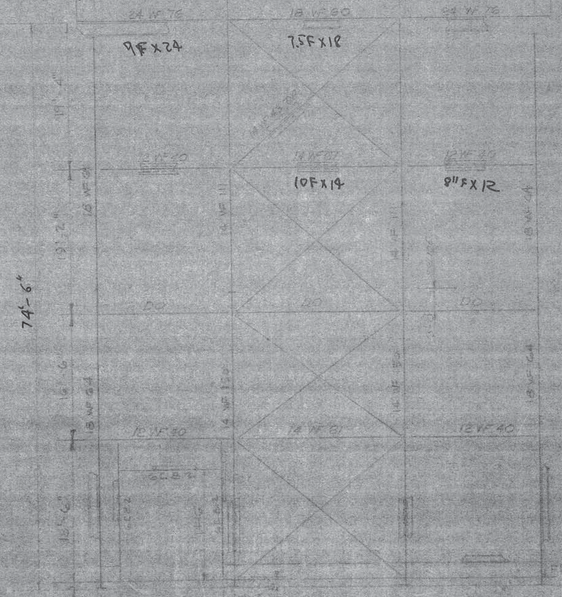
ELEVATION COL. LINE (8) & (D)
OPPOSITE HAND COL. LINE (E)
SCALE: 1/8"=1'-0"

LEFT

56'-6"

A 17'-3" B 22'-0" C 17'-3" D

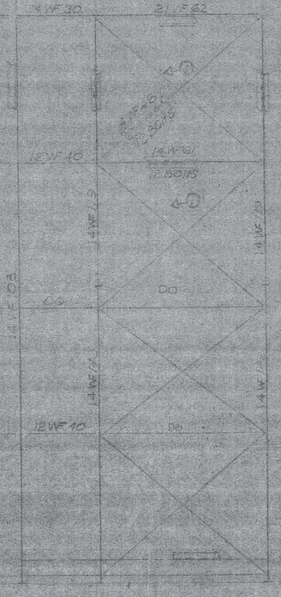
74'-6"



ELEVATION COL. LINE (1)
SCALE: 1/8"=1'-0"

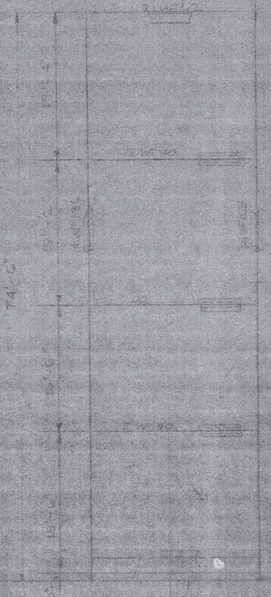
30'-6"

H 9'-0" G 21'-6" F

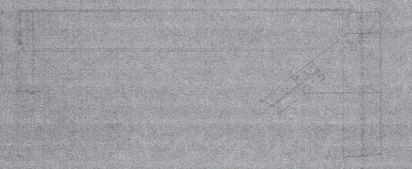


ELEVATION COL. LINE (2)
FACE (1)

11 20'-7⅝" 12



ELEVATION COL. LINE (3)



TYPICAL BRACING
SCALE: 1.5"=1'-0"

AS OF AMENDMENT #1

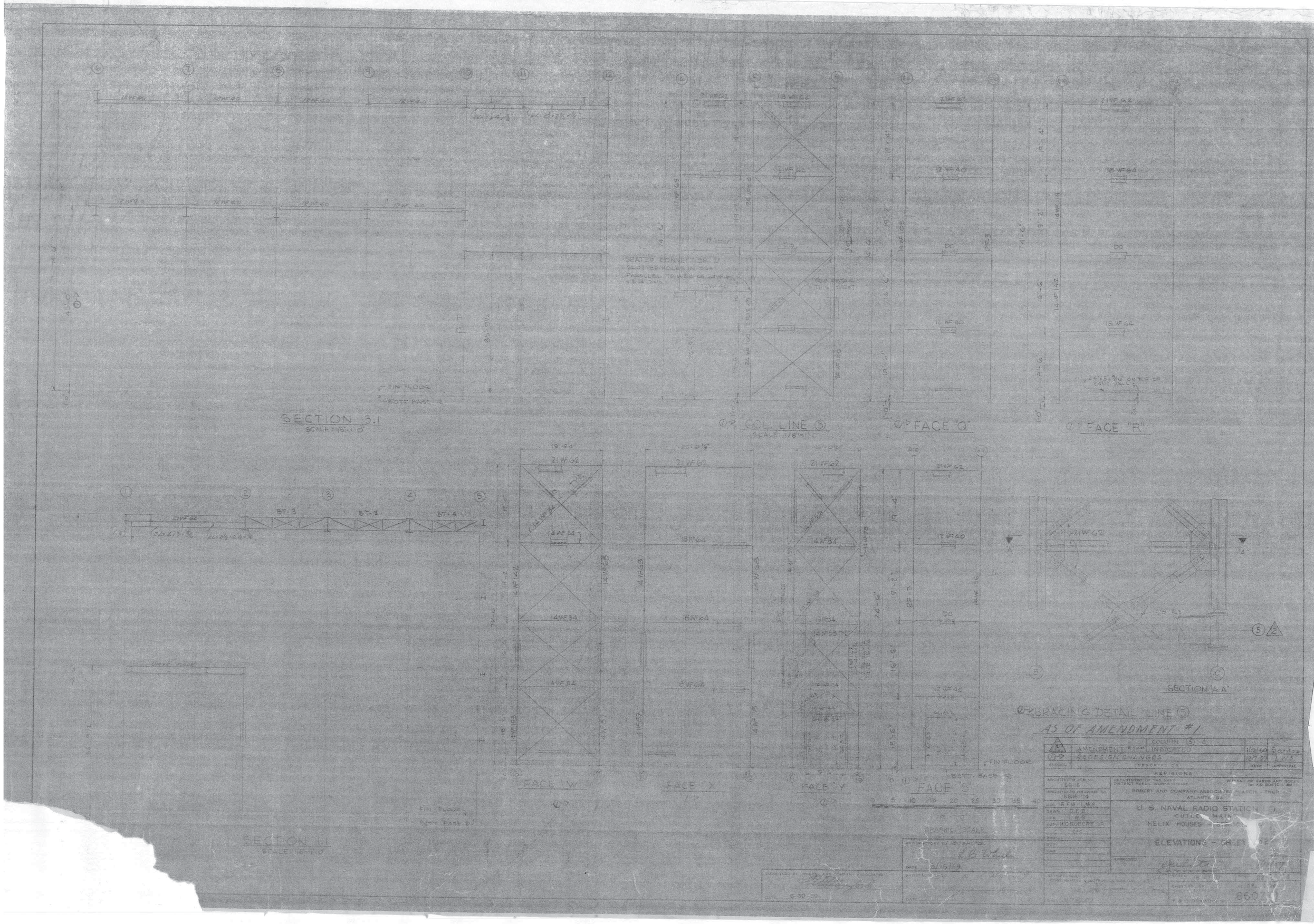
VTR	REDESIGN CHANGES		
SYMBOL	DESCRIPTION		
	REVISIONS		
ARCHITECT JOB NO. 5816	DEPARTMENT OF THE NAVY DISTRICT PUBLIC WORKS OFFICE		
ARCHITECTS DRAWING No. 5816.113	ROBERT AND COMPANY ASSOCIATES ATLANTA, GA		
DES. R.F.W. L.W.S.	U. S. NAVY RADIO STATION (T)		
DRWN. C.F.B.	LUBEC, MAINE		
CHK. L.W.S.	HELIX HOUSES - STRUCTURAL		
APPV. H.C. ROBERT JR.			
DATE	ELEVATIONS - SHEET No 1		
SUPV.			
LDR.			
APPROVED	DATE	SPEC. 2298-150	
		SCALE 1/8" = 1'-0"	
		No. 80912	
		DRAWING No. 860757	

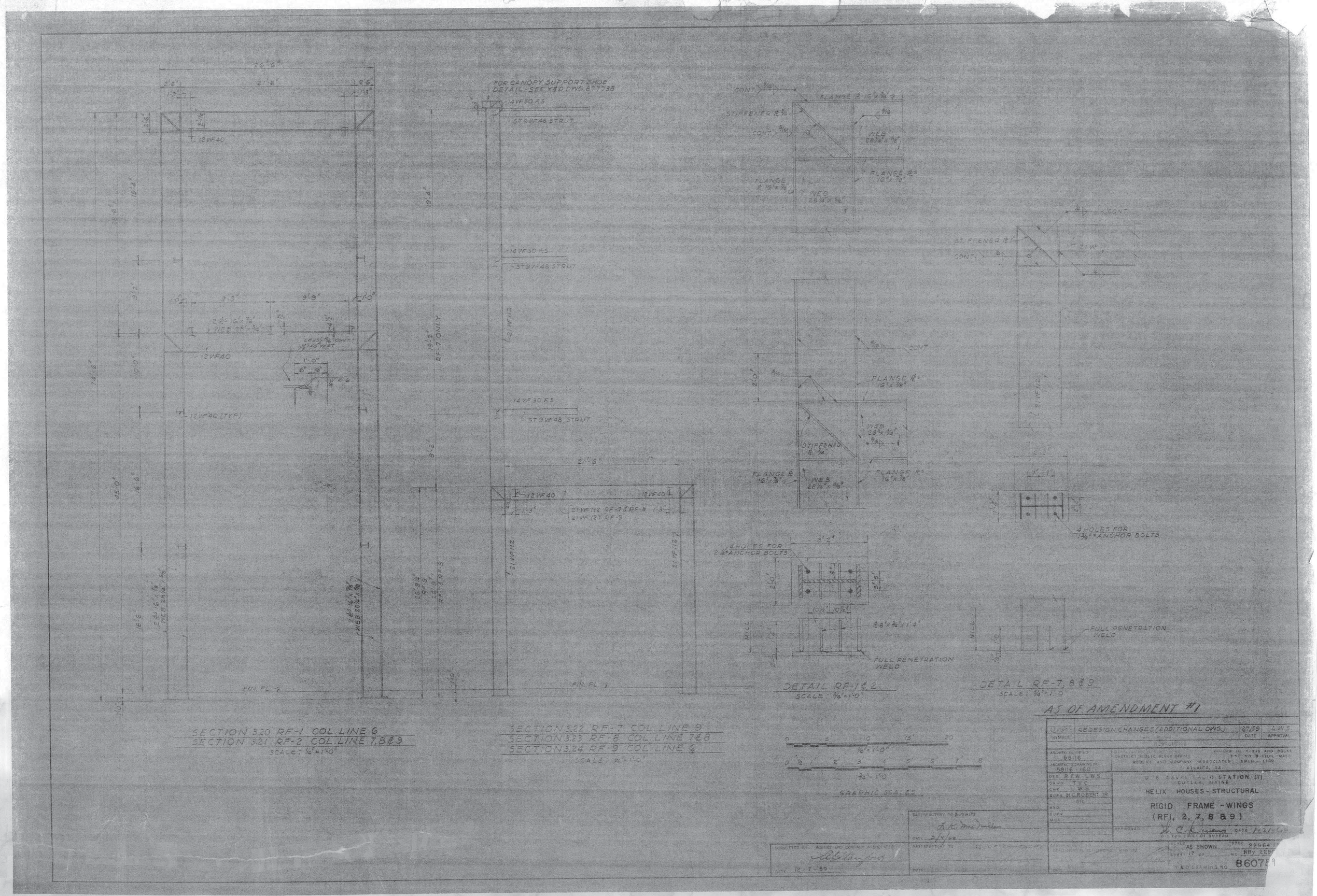
APPROVED FOR CONSTRUCTION
E. B. Whitlock
DATE 5/15/59

APPROVED
DATE

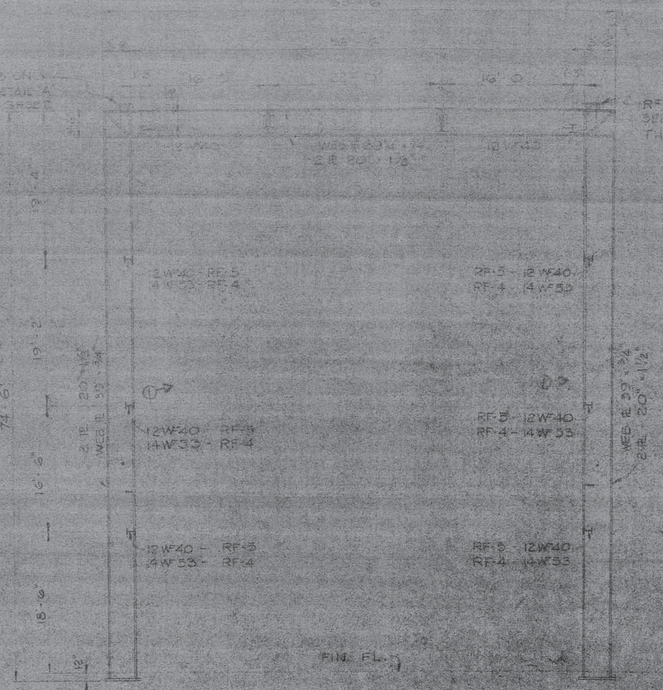
SUBMITTED BY
DATE

APPROVED BY
DATE

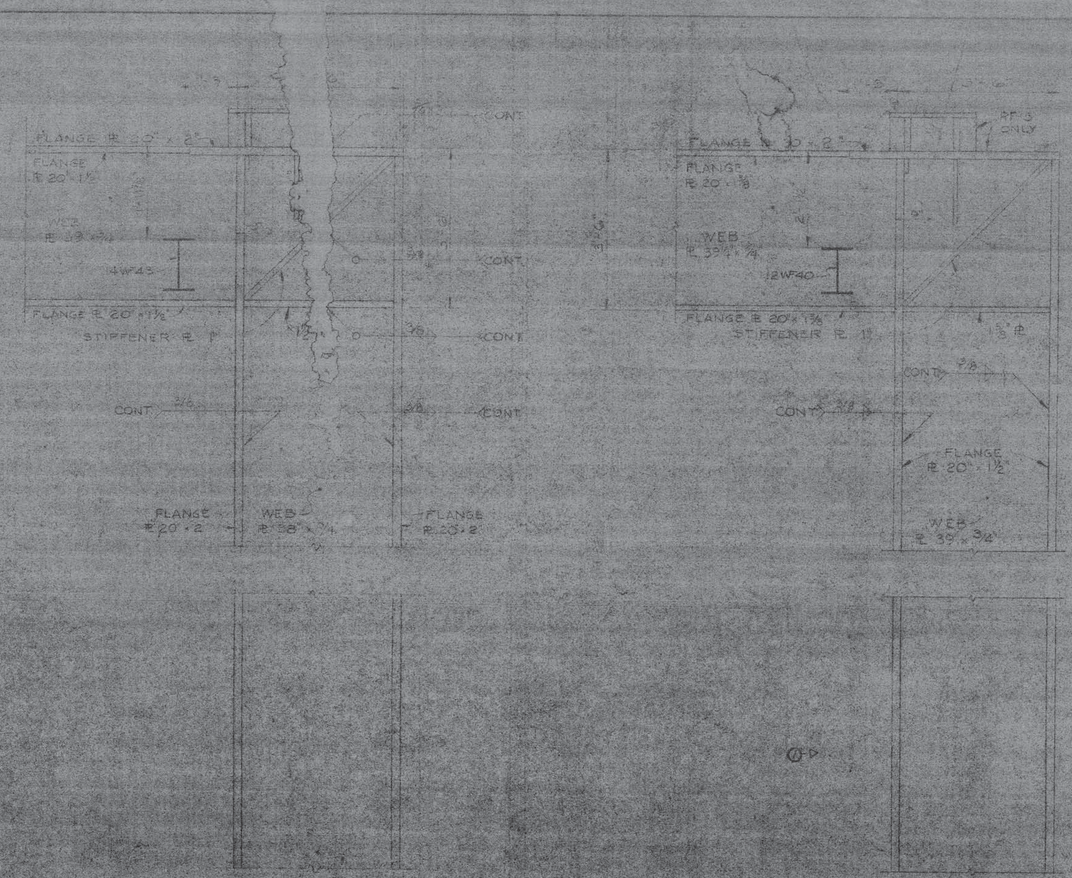

SECTION 3.1
SCALE 1/8"=1'-0"
COL. LINE 5
SCALE 1/8"=1'-0"
FACE "Q"
FACE "R"
FACE "W"
FACE "X"
FACE "Y"
FACE "S"
SECTION 1.1
SCALE 1/8"=1'-0"
SECTION "A-A"
BRACING DETAIL LINE 5
AS OF AMENDMENT #1
AMENDMENT #1 INDICATED
REDESIGN CHANGES
REVISIONS
ROBERT AND COMPANY ASSOCIATES ARCH. ENGR.
ATLANTA, GA.
U. S. NAVAL RADIO STATION
HELIX HOUSES
ELEVATIONS - SHEET
8607

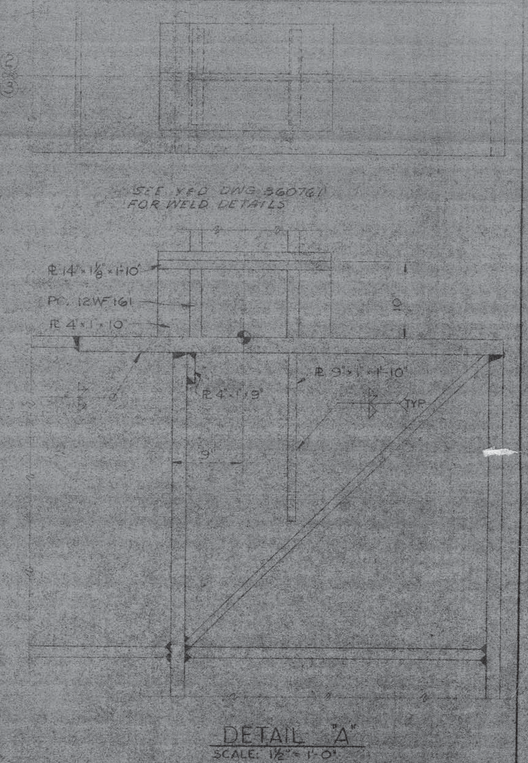


FOR CANOPY SUPPORT SHOE DETAIL - SEE Y&D DWG 877738
SECTION 3.20 RF-1 COL. LINE 6
SECTION 3.21 RF-2 COL. LINE 7,8 & 9
SCALE: 1/4" = 1'-0"
SECTION 3.22 RF-7 COL. LINE 9
SECTION 3.23 RF-8 COL. LINE 7 & 8
SECTION 3.24 RF-9 COL. LINE 6
SCALE: 1/4" = 1'-0"
DETAIL RF-1 & 2
SCALE: 3/8" = 1'-0"
DETAIL RF-7, 8 & 9
SCALE: 3/4" = 1'-0"
4 HOLES FOR 1 3/4" ANCHOR BOLTS
FULL PENETRATION WELD
GRAPHIC SCALES
AS OF AMENDMENT #1
REDESIGN CHANGES (ADDITIONAL DWG.)
12/7/59
L.W.S.
ARCHITECT'S DRAWING NO. 58116
ARCHITECT'S DRAWING NO. 58116-160
DES. R.F.W. L.W.S.
DRWN. T.V.C.
CHK. L.W.S.
SUPV. H.C. ROBERT JR.
U.S. NAVAL RADIO STATION (T)
CUTLER, MAINE
HELIX HOUSES - STRUCTURAL
RIGID FRAME - WINGS
(RF1, 2, 7, 8 & 9)
APPROVED
DATE 1-21-60
SCALE AS SHOWN
SHEET 17 OF
NO. 22964
NBy 2296
Y & D DRAWING NO. 86075
DATE 12-7-59

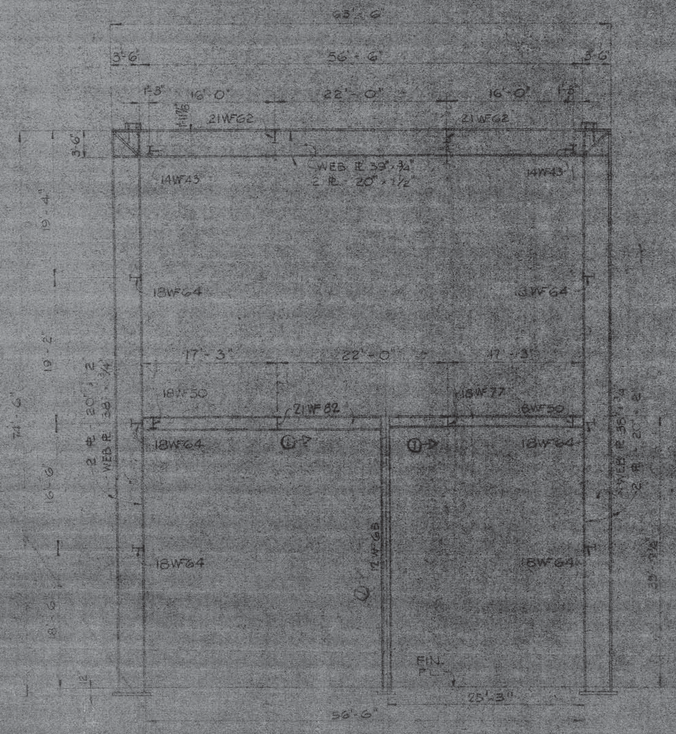


SECTION 23 - RF-5
SECTION 24 - RF-4
SCALE: 1/8" = 1'-0"

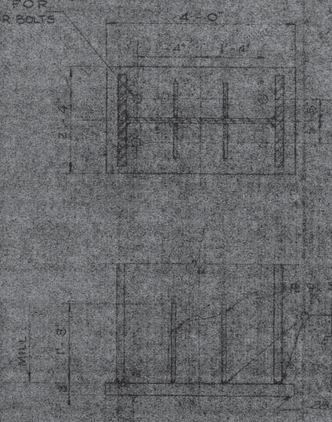




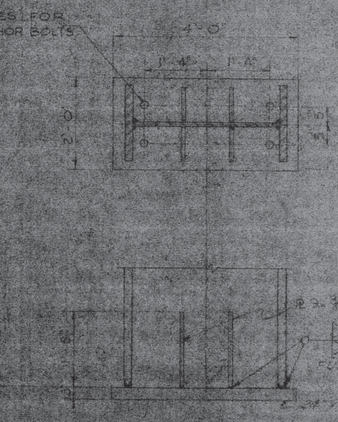
DETAIL "A"
SCALE: 1 1/2" = 1'-0"



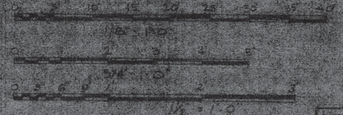
SECTION 22
FRAME RF-6
SCALE: 1/8" = 1'-0"



DETAIL RF-6
SCALE: 3/4" = 1'-0"



DETAIL RF-4 & RF-5
SCALE: 3/4" = 1'-0"



GRAPHIC SCALES

AS OF AMENDMENT #1

SYMBOL	REVISIONS	DATE	APPROVED
10	REDESIGN CHANGES	12/7/59	L.W.S.

ARCHITECTS JOB NO.	5816
ARCHITECTS DRAWING NO.	5816.116
DES.	L.W.S. R.F.W.
DRAWN	D.F.B.
CHK.	L.W.S.
SUPV.	H.C. ROBERT JR.
DIR.	
AVD	
SUPV	
MGR.	

DEPARTMENT OF THE NAVY — BUREAU OF YARDS AND DOCKS
DISTRICT PUBLIC WORKS OFFICE — 1ST ND BOSTON, MASS.
ROBERT AND COMPANY ASSOCIATES — ARCH. - ENGR.
ATLANTA, GA.

U. S. NAVAL RADIO STATION (T)
CUTLER, MAINE
HELIX HOUSES - STRUCTURAL

RIGID FRAME - MAIN BAY (RF-4 & 5)

APPROVED: [illegible] DATE: 6/1/59

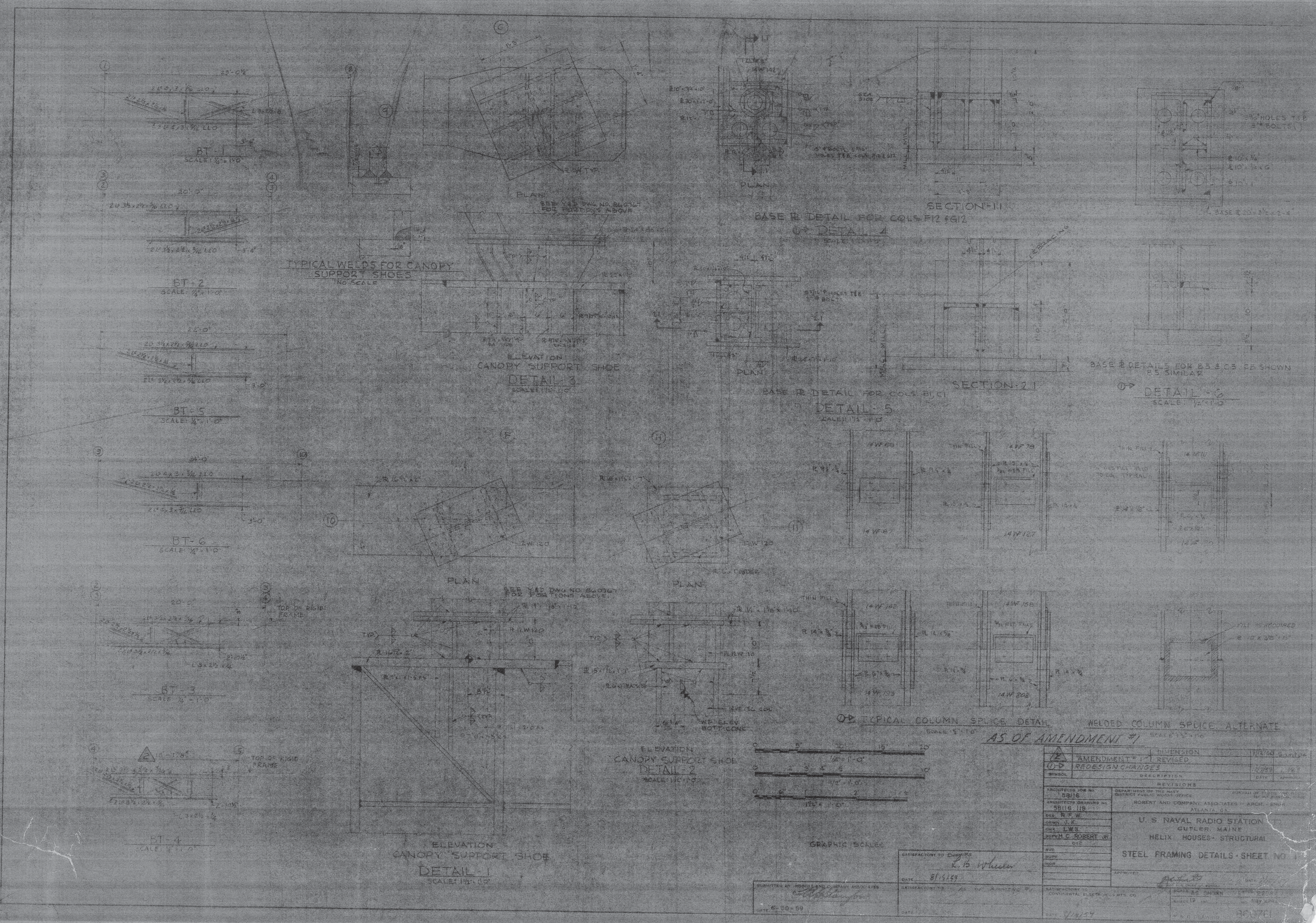
SATISFACTORY TO BUREAU OF YARDS AND DOCKS
C.B. Wheeler
DATE 3/15/59

SATISFACTORY TO
DATE

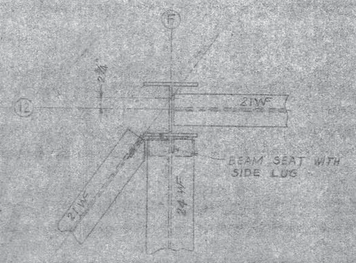
SATISFACTORY TO CONTINENTAL STEEL CONSTRUCTION CO.
DATE 2/26/59

SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES
DATE 8-30-59

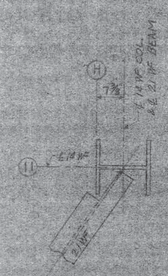
SCALE AS SHOWN | SERIAL 2295-1-28
SHEET 14 OF 16 SHEETS | NAVY DEPT. NO. NET 72561
Y & D DRAWING NO. 860760



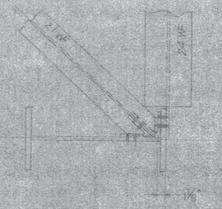
BT-1
SCALE: 1/4" = 1'-0"
BT-2
SCALE: 1/4" = 1'-0"
BT-5
SCALE: 1/4" = 1'-0"
BT-6
SCALE: 1/4" = 1'-0"
BT-3
SCALE: 1/4" = 1'-0"
BT-4
SCALE: 1/4" = 1'-0"
TYPICAL WELDS FOR CANOPY SUPPORT SHOES
NO SCALE
PLAN
ELEVATION
CANOPY SUPPORT SHOE
DETAIL-3
SCALE: 1 1/2" = 1'-0"
SEE Y&D DWG NO. 860767 FOR PORTIONS ABOVE
PLAN
SECTION-1-1
BASE PL DETAIL FOR COLS F12 & G12
DETAIL-4
PLAN
SECTION-2-1
BASE PL DETAIL FOR COLS B1, C1
DETAIL-5
SCALE: 1 1/2" = 1'-0"
BASE PL DETAILS FOR B5 & C5. C5 SHOWN B5 SIMILAR
DETAIL-6
SCALE: 1/2" = 1'-0"
PLAN
PLAN
SEE Y&D DWG NO. 860767 FOR PORTIONS ABOVE
TOP OF RIGID FRAME
TOP OF RIGID FRAME
ELEVATION
CANOPY SUPPORT SHOE
DETAIL-1
SCALE: 1 1/2" = 1'-0"
ELEVATION
CANOPY SUPPORT SHOE
DETAIL-2
SCALE: 1 1/2" = 1'-0"
TYPICAL COLUMN SPLICE DETAIL
SCALE: 1/2" = 1'-0"
WELDED COLUMN SPLICE ALTERNATE
SCALE: 1 1/2" = 1'-0"
GRAPHIC SCALES
AS OF AMENDMENT #1
AMENDMENT #1 REVISED
REDESIGN CHANGES
DIMENSION
SYMBOL
DESCRIPTION
DATE
APPROVAL
REVISIONS
ARCHITECTS JOB No. 58116
ARCHITECTS DRAWING No. 58116.118
DES. R.F.W.
DRWN. J.K.
CHK. L.W.S.
SUPV. H.C. ROBERT JR.
DEPARTMENT OF THE NAVY
DISTRICT PUBLIC WORKS OFFICE
ROBERT AND COMPANY ASSOCIATES - ARCH. - ENGR.
ATLANTA, GA.
U. S. NAVAL RADIO STATION
CUTLER, MAINE
HELIX HOUSES - STRUCTURAL
STEEL FRAMING DETAILS - SHEET NO. 1
APPROVED
SATISFACTORY TO DESIGNER
DATE 8/15/59
SUBMITTED BY ROBERT AND COMPANY ASSOCIATES
DATE 6-30-59
SATISFACTORY TO AS OF AMENDMENT #1
SATISFACTORY TO CONTINENTAL ELECTRONICS MFG. CO.
DATE 8/14/59
SCALE AS SHOWN
SHEET 19
860761



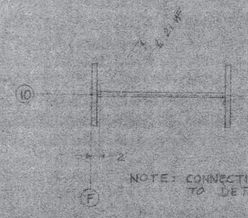
DETAIL 1
SCALE: 3/4" = 1'-0"



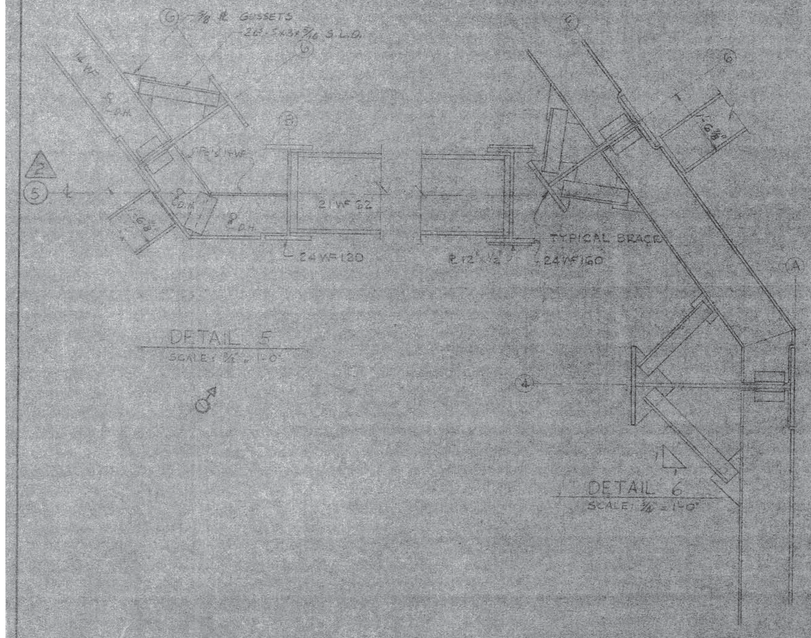
DETAIL 4
SCALE: 3/4" = 1'-0"



DETAIL 2
SCALE: 3/4" = 1'-0"

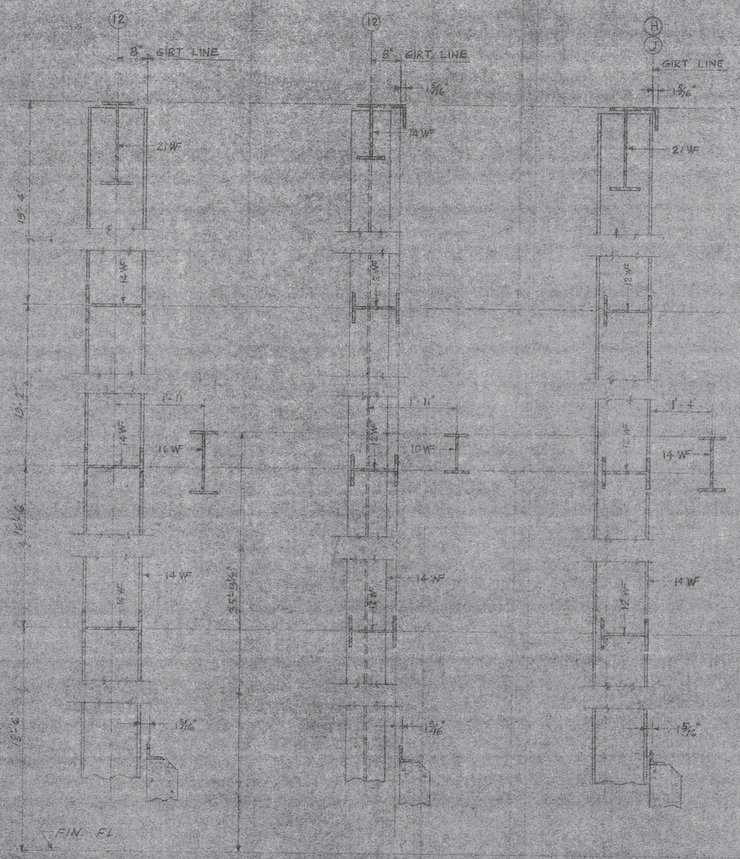


DETAIL 3
SCALE: 3/4" = 1'-0"



DETAIL 5
SCALE: 3/4" = 1'-0"

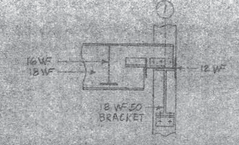
DETAIL 6
SCALE: 3/4" = 1'-0"



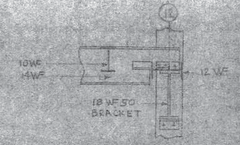
SECTION 3.6
3/4" = 1'-0"

SECTION 3.7
3/4" = 1'-0"

SECTION 3.8
3/4" = 1'-0"



SECTION 3.9
3/4" = 1'-0"



SECTION 3.10
3/4" = 1'-0"

SECTION 3.11
3/4" = 1'-0"

ELEVATION 2.1
SCALE: 1/2" = 1'-0"

AS OF AMENDMENT #1

NOTE: ALL GIRTS FRAMED HORIZONTALLY SHALL HAVE 2" ø HOLES 4'-0" O.C. LOCATED ON ℄.

SYMBOL	DESCRIPTION	DATE	APPROVED
	COLUMN (5) ℄		
2	AMENDMENT #1 "2" INDICATED	11/21/60	Sam'l G.
	REDESIGN CHANGES	12/3/59	L.W.S.

REVISIONS

ARCHITECT'S JOB NO. 5811E	DEPARTMENT OF THE NAVY — BUREAU OF YARDS AND DOCKS — DISTRICT PUBLIC WORKS OFFICE
ARCHITECT'S DRAWING NO. 5811E.119	ROBERT AND COMPANY ASSOCIATES — ARCH. - ENGR. — ATLANTA, GA.
DES. R.F.W.	U. S. NAVAL RADIO STATION (T)
DRWN. W.A.S.	CUTLER, MAINE
CHK. L.W.S.	HELIX HOUSES - STRUCTURAL
SUPV. H.C. ROBERT, JR.	STEEL FRAMING DETAILS - SHEET NO. 2
DIC	
RVD	
SUPT	
MGR	

GRAPHIC SCALES

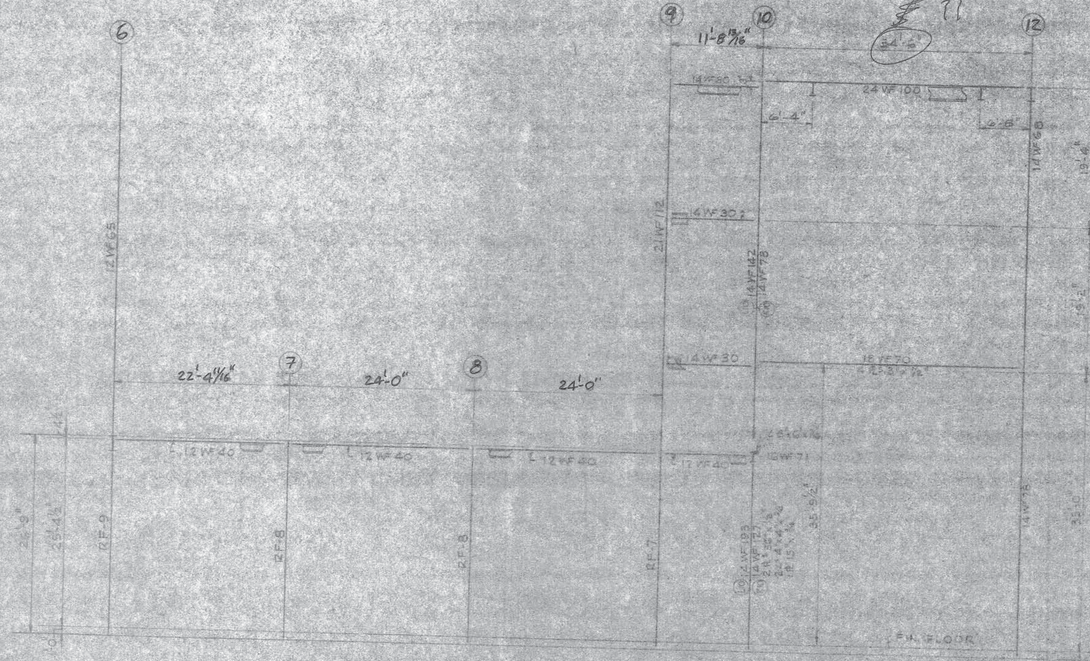
SATISFACTORY TO Bureau of Yards & Docks
L.B. Wheeler
DATE 8/15/59

SUBMITTED BY ROBERT AND COMPANY ASSOCIATES
DATE 6-30

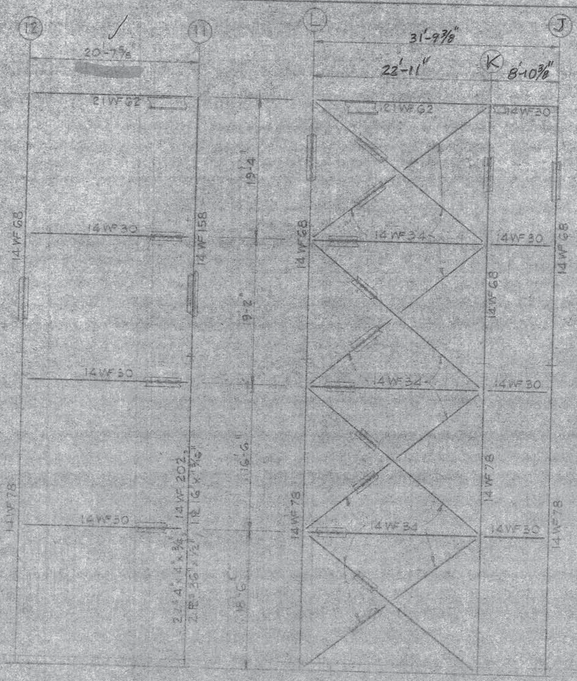
SATISFACTORY TO AS OF AMENDMENT #1
DATE

SATISFACTORY TO CONTINENTAL ELECTRONICS MFG. CO.
DATE 8/11/59

SCALE AS SHOWN — FILE 2-5811-E
SHEET 29 OF — NO. NAV 2-5811-E
NAVY DRAWING NO. 860762

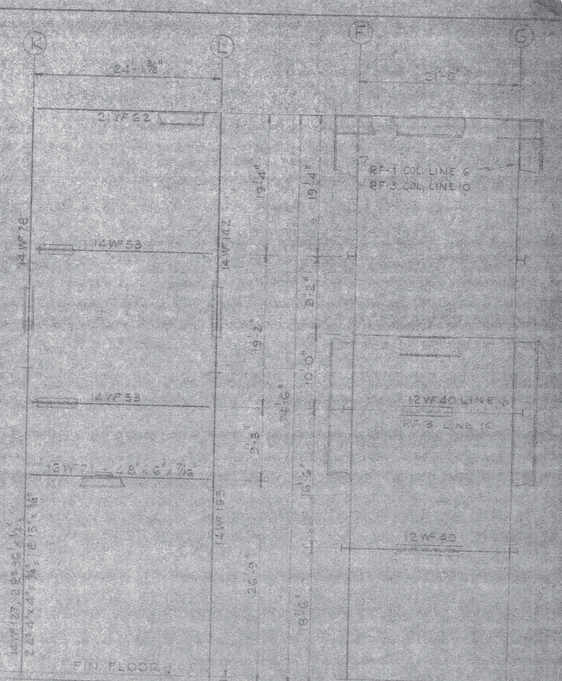


SECTION 3.19



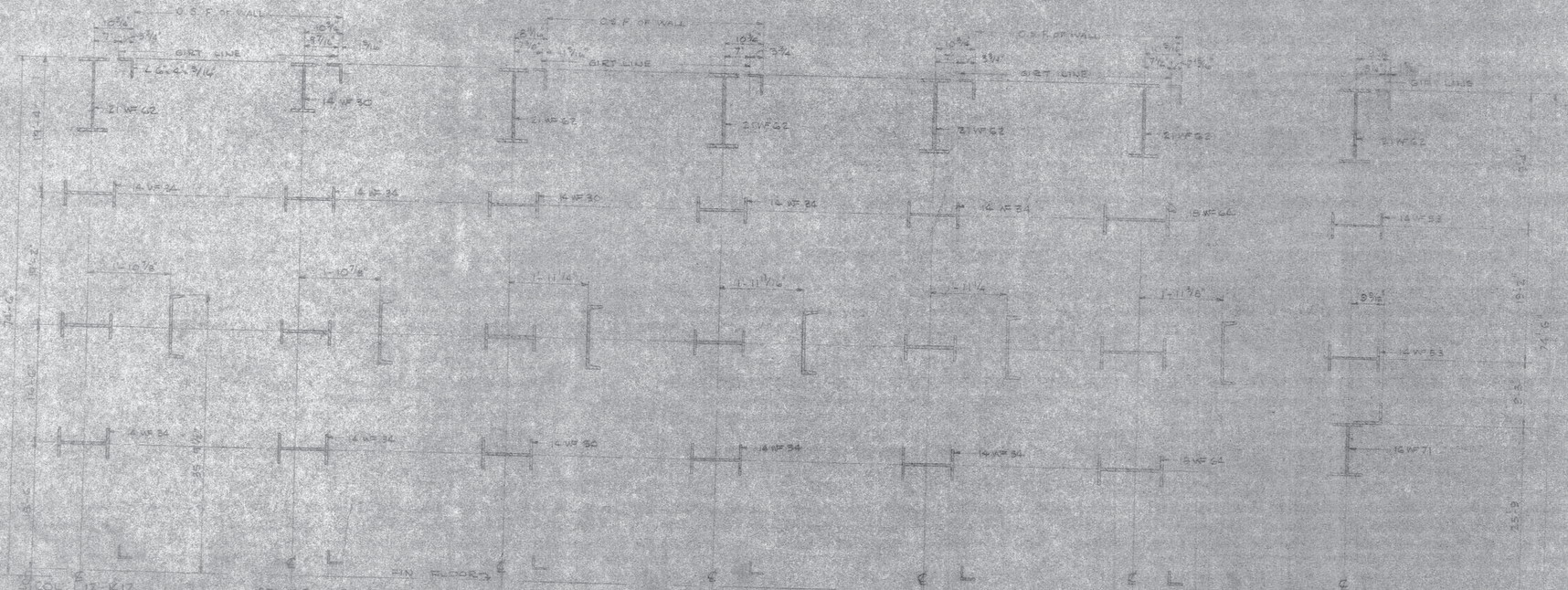
ELEVATION
COL LINE 11

ELEVATION
COL LINE L
FACE 2



ELEVATION
COL LINE 10

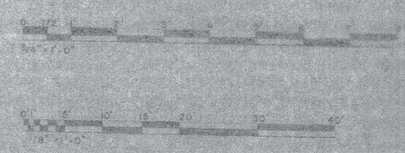
ELEVATION
COL LINE G&10
LEFT WING



SECTION 3.12 | SECTION 3.13 | SECTION 3.14 | SECTION 3.15 | SECTION 3.16 | SECTION 3.17 | SECTION 3.18

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

AS OF AMENDMENT #1



1	REDESIGN CHANGES (ADDITIONAL DWG)	4/7/59	E.A.S.
SYMBOL	REVISION	DATE	APPROVED

REVISIONS

NAVY YD 139 NO.	58116
ARCHITECT'S DRAWING NO.	58116 - 161
DES.	C.A.M.
DRWN.	DWG. TVC
CHK.	J.W.R.
SUPV.	H.G. ROBERT JR
EIC	
RNO	
SUPT	
MDR	

DEPARTMENT OF THE NAVY
DISTRICT PUBLIC WORKS OFFICE
BUREAU OF YARDS AND DOCKS
1400 NAVY BOSTON, MASS.

ROBERT AND COMPANY ASSOCIATES - ARCH. - ENGR.
ATLANTA, GA.

U.S. NAVAL RADIO STATION (T)
CUTLER, MAINE
HELIX HOUSES - STRUCTURAL

STEEL FRAMING DETAILS
SHEET NO. 3

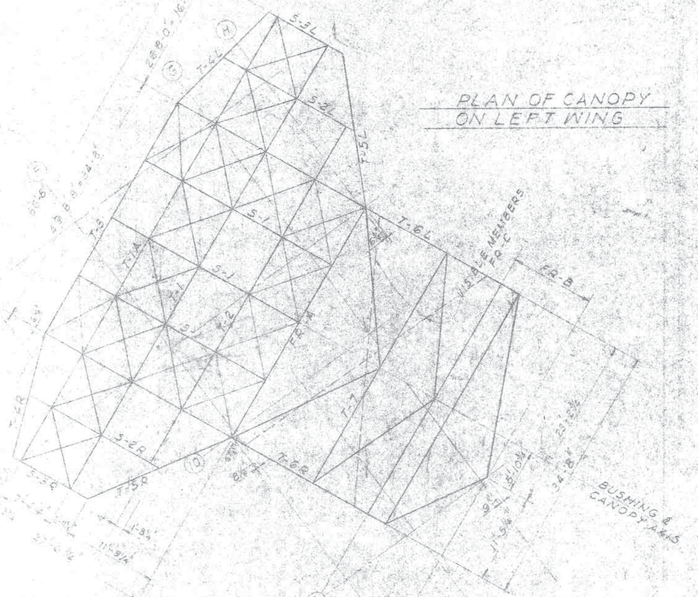
APPROVED: H. G. Robert Jr. DATE: 3/1/60

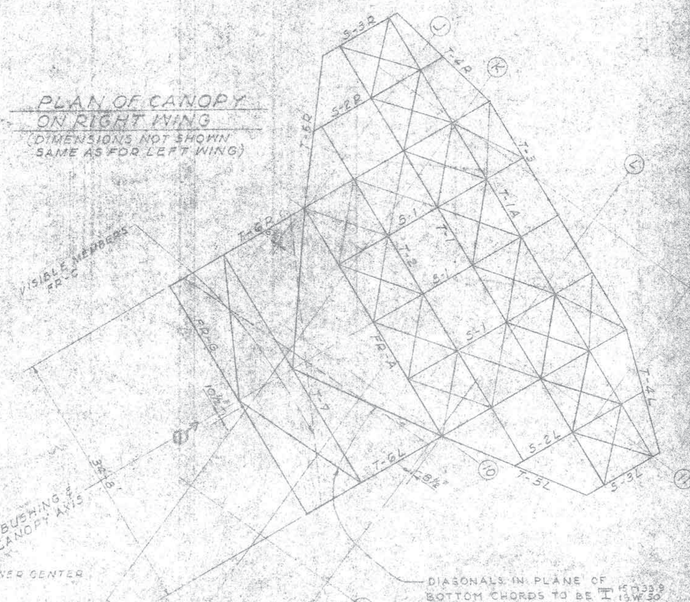
SATISFACTORY TO BUSHIPS
DATE 3/4/60

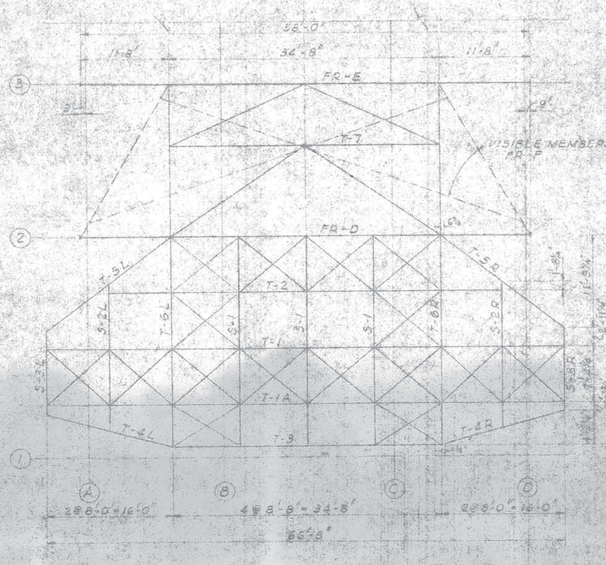
SATISFACTORY TO
CONTINENTAL ELECTRONICS MFG. CO.
DATE

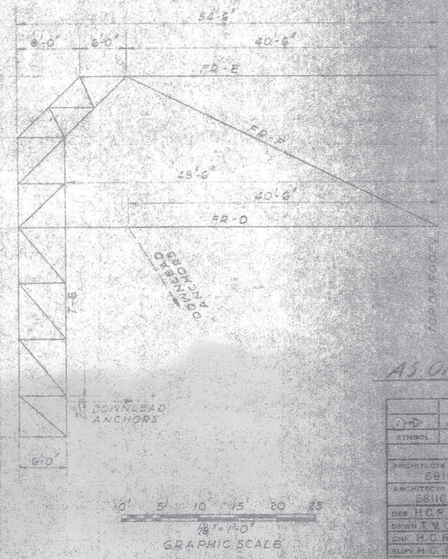
SUBMITTED BY ROBERT AND COMPANY ASSOCIATES
DATE 12-7-59

SCALE: AS SHOWN | SPEC. 22564 / 58
DWG. 325 sh. | NBY 22564
DATE | 877736









GENERAL NOTES - CANOPY DRAWING

1. THE PLANS SHOW RIVETED CONSTRUCTION SUPPLEMENTED BY SHOP WELDING. THE CONTRACTOR HAS THE OPTION OF SUBSTITUTING PROPERLY DESIGNED AND FABRICATED WELDED SECTIONS FOR THOSE SHOWN AS BUILT-UP FROM TWO OR MORE SHAPES, PROVIDED THE MOMENT, SHEAR AND DIRECT LOAD CAPACITIES OF THE MEMBERS ARE NOT REDUCED. IN NO EVENT SHALL THE MINIMUM L/r RATIO BE INCREASED.
2. ALL RIVETS SHALL BE 1-INCH EXCEPT THAT RIVETS IN FLANGES OF CHANNELS SHALL BE MAXIMUM FLANGE RIVET SIZE.
3. ALL FIELD CONNECTIONS SHALL BE MADE WITH 1-INCH HIGH STRENGTH STRUCTURAL RIBBED BOLTS UNLESS OTHERWISE SHOWN. MINOR PARTS MAY BE ATTACHED IN THE FIELD BY WELDING AND OTHER CONNECTIONS SUPPLEMENTED BY FIELD WELDING WHERE SPECIFICALLY APPROVED BY THE OFFICER IN CHARGE. IN THE EVENT WELDED SHAPES ARE SUBSTITUTED FOR BUILT-UP SECTIONS AS PROVIDED UNDER NOTE 1, CONSIDERATION WILL BE GIVEN TO FIELD WELDED SPLICES AND CONNECTIONS.
4. THE PLANS SHOW THE GENERAL ARRANGEMENT OF MEMBERS AND SUFFICIENT TYPICAL DETAILS TO INDICATE THE REQUIREMENTS OF THE DESIGN. THE LARGE SCALE DETAILS OF CONNECTIONS INDICATE ONE METHOD OF MEETING REQUIREMENTS BUT SAME MAY BE MODIFIED TO FACILITATE FABRICATION AND ERECTION PROCEDURES. CONNECTIONS SHALL BE PROPORTIONED AS INDICATED AND TO PROVIDE FOR THE MAXIMUM STRESSES SHOWN BY THE DRAWINGS AND WHERE STRESSES ARE NOT SHOWN THE CONNECTIONS SHALL DEVELOP NOT LESS THAN ONE-HALF THE LOAD CAPACITY OF THE MEMBER.
5. ECCENTRICITIES SHALL BE AVOIDED WHERE POSSIBLE. WHERE THEY CANNOT BE AVOIDED PROVISION SHALL BE MADE IN CONNECTIONS OR OTHERWISE TO CARE FOR SAME.
6. SEE ARCHITECTURAL DRAWINGS AND DETAILS FOR REQUIREMENTS FOR ATTACHING ROOF MEMBERS, SIDEWALL AND SOFFIT PANELS AND ALUMINUM SHEATHING OF CERTAIN MEMBERS.

DESIGN LOADS

1. (A) DEAD LOAD
   (B) LIVE LOAD - 40 LB/SF
   (C) WIND - 30 LB/SF
   (D) FALLING ICE - 50 KIPS (INCLUDING IMPACT)
2. (A) DEAD LOAD, LIVE LOAD AND WIND LOAD AT T-1-0
   (B) DEAD LOAD, LIVE LOAD AND FALLING ICE 50 KIPS CONCENTRATED AT ANY POINT AT T-1-0
3. SEISMIC LOADINGS HAVE BEEN CONSIDERED BUT SAME ARE NOT SUFFICIENT TO AFFECT ANY PORTION OF THE DESIGN.

AS OF AMENDMENT #1

SYMBOL	DESCRIPTION	DATE	APPROVAL
1	REDESIGN CHANGES	7/59	[illegible]

REVISIONS

ARCHITECT'S JOB NO. 58116
ARCHITECT'S DRAWING NO. 58116.136
DES. H.C.R.
DRWN. T.V.S.
CHK. H.C.R.
SUPV. H.C. ROBERT JR.
DIST.
EVD.
SUPV.
MGR.

DEPARTMENT OF THE NAVY — BUREAU OF YARDS AND DOCKS
DISTRICT PUBLIC WORKS OFFICE — NAVY NO 128, BOSTON, MASS.
ROBERT AND COMPANY, ASSOCIATES — ARCH. - ENGR.
ATLANTA, GA.

U. S. NAVAL RADIO STATION (T)
CUTLER, MAINE
HELIX HOUSES - STRUCTURAL
CANOPY FRAMING LAYOUT

APPROVED: [illegible]
SCALE: AS SHOWN
SHEET 21 OF [illegible] SHEETS
U.S.N. DRAWING NO. 860763

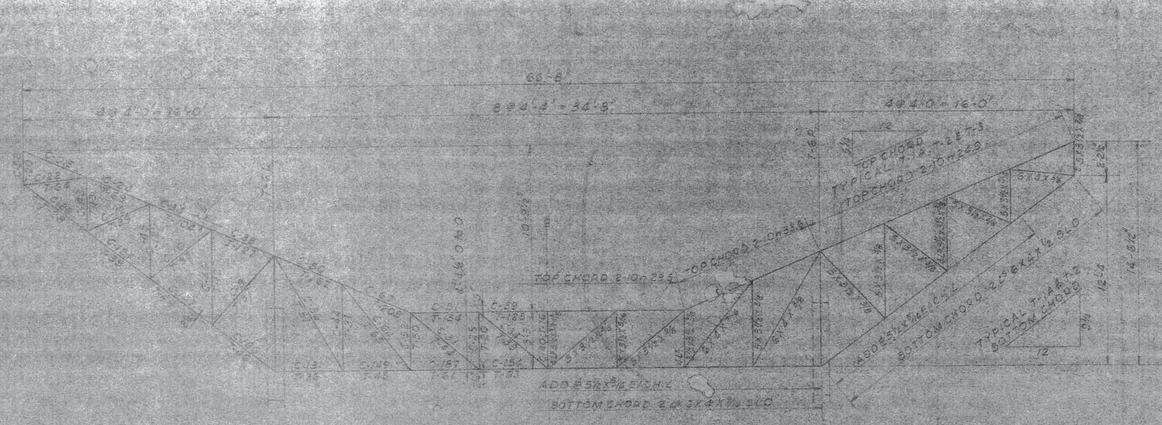
SATISFACTORY TO BUSHIPS
L B Wheeler
DATE 11/15/59

SATISFACTORY TO
DATE

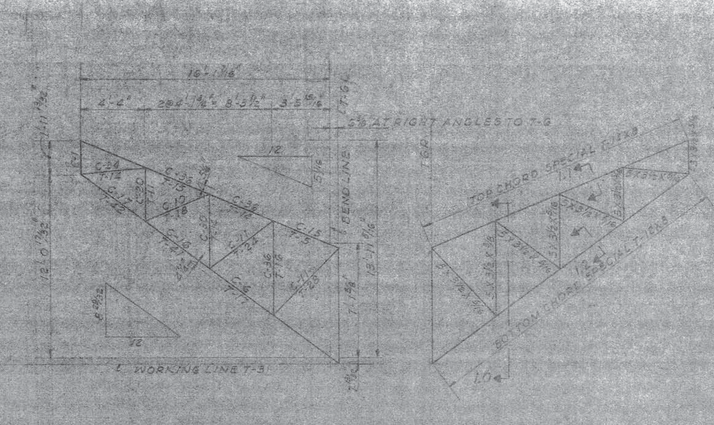
SATISFACTORY TO CONTINENTAL STEEL BUILDINGS MFG. CO.
DATE

SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES
DATE 6-30-59

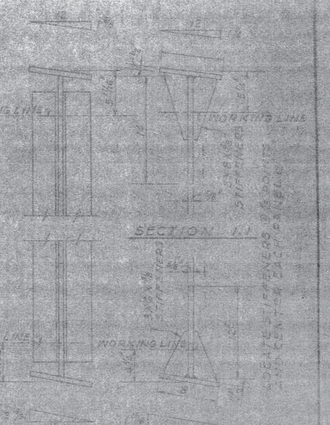
1' 0' 5' 10' 15' 20' 25'
1/8"=1'-0"
GRAPHIC SCALE

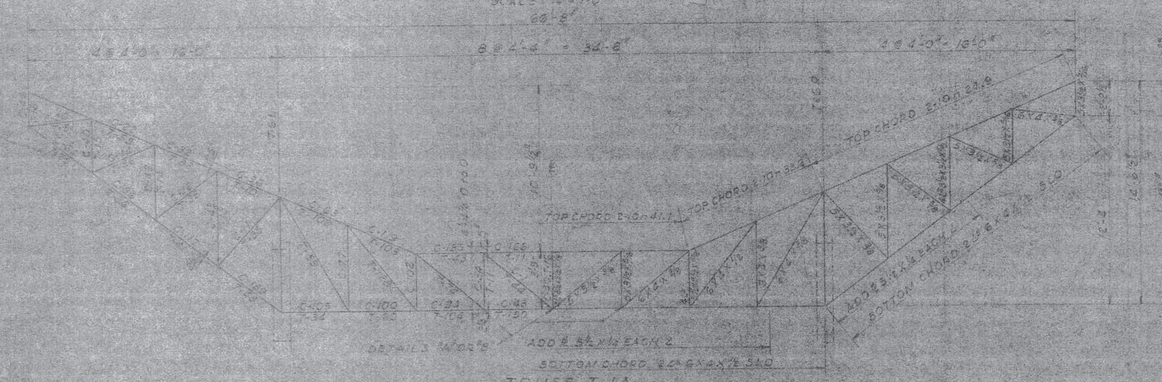


TRUSS T-1
SCALE: 1/4"=1'0"

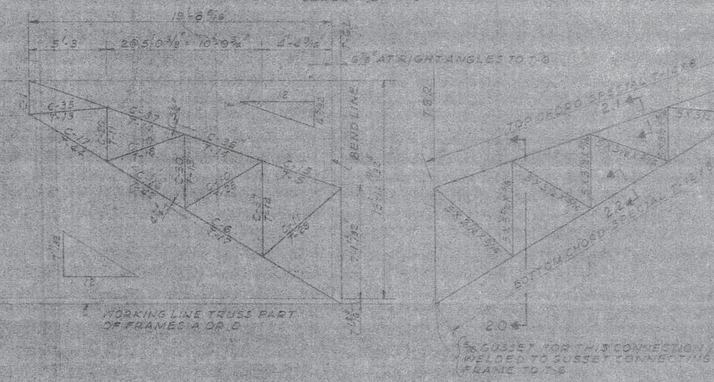


TRUSSES T-4L & T-4R
SCALE: 1/4"=1'0"

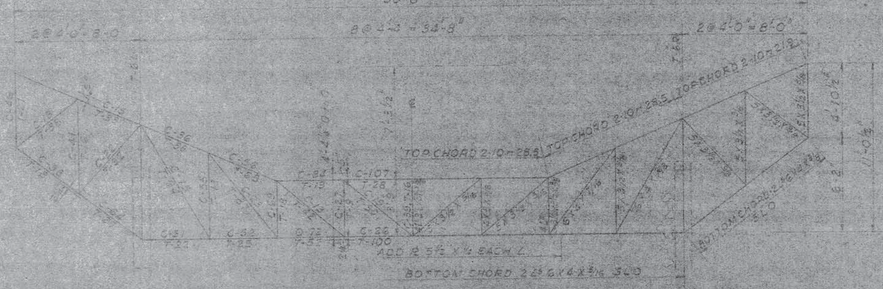




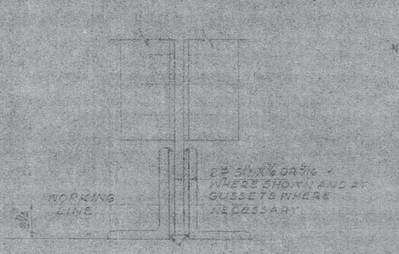
TRUSS T-1A
SCALE: 1/4"=1'0"



TRUSSES T-5L & T-5R
SCALE: 1/4"=1'0"



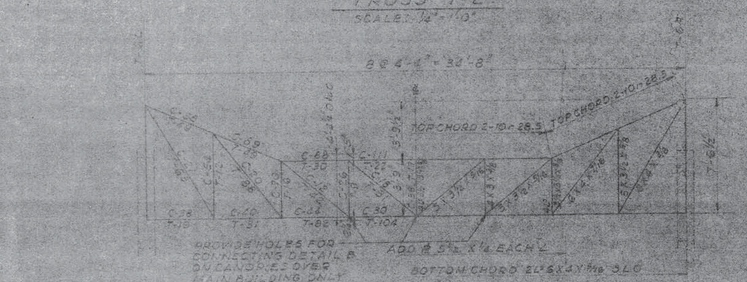
TRUSS T-2
SCALE: 1/4"=1'0"



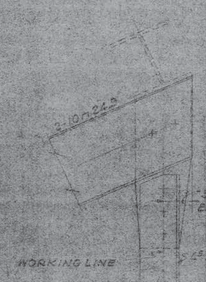
TYPICAL BOTTOM CHORD
NO SCALE

NOTES

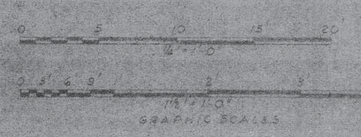
1. ALL WEB MEMBERS NOT OTHERWISE INDICATED ARE 2 L'S OF SIZE SHOWN WITH LONG LEGS BACK TO BACK AND 0" GAGE.
2. GUSSETS, 5/8" GUSSETS NOT REQUIRED FOR TRUSSES T-1A AND T-1B.
3. ALL TRUSSES ARE SYMMETRICAL ABOUT CENTER OF CANOPY.
4. GAGE FOR BOTTOM CHORD ANGLES SHALL BE 2-1/2-INCHES EXCEPT WHERE CLIP ANGLES ARE ADDED AT CONNECTIONS TO TRUSS T-G.
5. FOR DETAILS "A" AND "B" SEE V&O 860768.
6. FOR DETAIL AT ANGLE IN TOP CHORD OF TRUSSES T-1, T-1A, T-1B AND T-3 SEE V&O 860768.



TRUSS T-3
SCALE: 1/4"=1'0"



TYPICAL FOR TRUSSES T-1 & T-1A
(T-4 & T-5 SIMILAR)
SCALE: 1/2"=1'0"



GRAPHIC SCALES

AS OF AMENDMENT #1

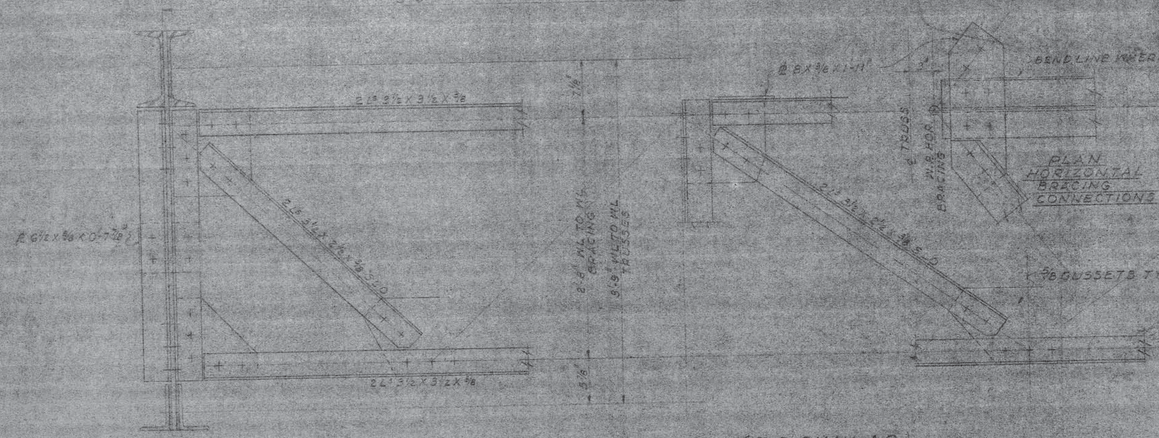
SYMBOL	DESCRIPTION	DATE	APPROVAL
	REVISIONS		

ARCHITECTS JOB No. 5816	DEPARTMENT OF THE NAVY — BUREAU OF YARDS AND DOCKS — DISTRICT PUBLIC WORKS OFFICE — DO NOT SCALE PRINTS
ARCHITECTS DRAWING No. 5816.139	ROBERT AND COMPANY ASSOCIATES — ARCH. ENGR. — ATLANTA, GA.
DES. H.C.R	U. S. NAVAL RADIO STATION (T)
DRWN. T.W.C	CUTLER, MAINE
CHK. H.C.R	HELIX HOUSES - STRUCTURAL
SUPV'S. C. ROBERT JR.	CANOPY TRUSSES
SUP'D	T-1, T-1A, T-2, T-3, T-4 & T-5
AVD	
SUP'D	
MGR	

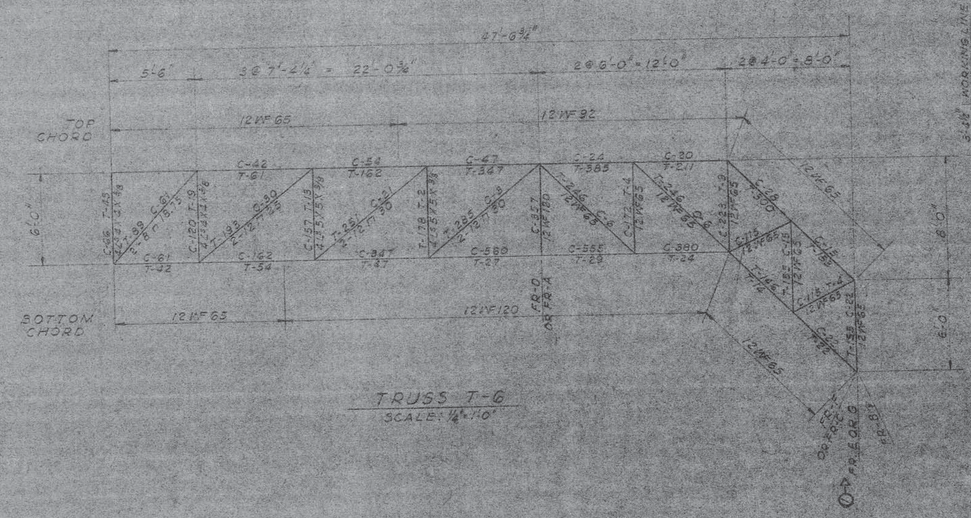
APPROVED

SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES — DATE 5-30-59	SATISFACTORY TO BUREAU: DATE 8/15/59
SATISFACTORY TO AS OF AM'D'MT #1 — DATE	SATISFACTORY TO CONTINENTAL ELECTRONICS MFG. CO. — DATE 8/24/59

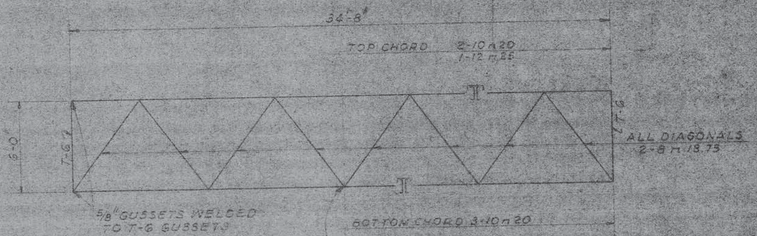
SCALE	AS SHOWN
SHEET	22 OF
V & O DRAWING No.	860764
NAVY DRAWING No.	NAVY 229[illegible]



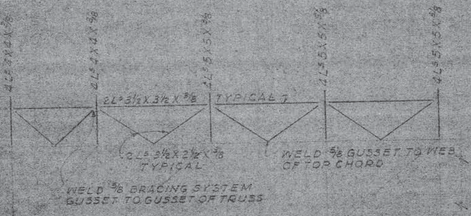
BRACING S-1 (S-2 SIMILAR)
SCALE: 1½"=1'-0"



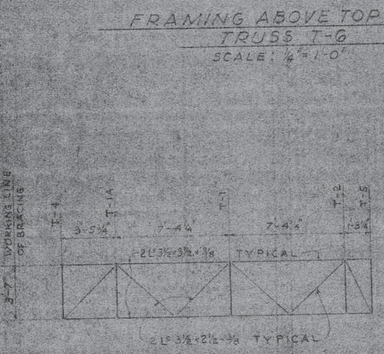
TRUSS T-6
SCALE: ¼"=1'-0"



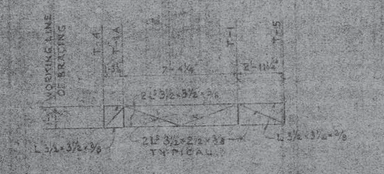
TRUSS T-7
SCALE: ¼"=1'-0"



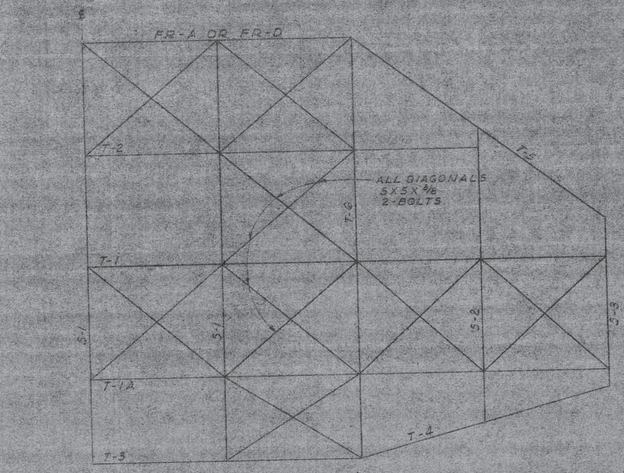
FRAMING ABOVE TOP CHORD
TRUSS T-6
SCALE: ¼"=1'-0"



TRUSS S-2
SCALE: 1¼"=1'-0"



TRUSS S-3
SCALE: 1¼"=1'-0"

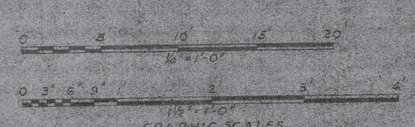


PLAN OF HORIZONTAL BRACING
ALL DIAGONALS IN PLANE OF TOP CHORD OF SWAY BRACING
SCALE: 1"=1'-0"

NOTES:

1. GUSSETS FOR T-6 SHALL BE 3/8-INCH EXCEPT WHERE OTHERWISE SHOWN.
2. FOR TYPICAL DETAILS OF T-6 SEE Y&D 860766.
3. FOR CONNECTION OF T-6 TO FRAMES A AND D SEE Y&D 860767.
4. FILLS REQUIRED FOR MATCHING CHORD MEMBERS OF T-6 SHALL BE ATTACHED TO THE MEMBERS ADEQUATELY BY WELDING OR EXTENDED WITH SUFFICIENT ADDITIONAL RIVETS TO DEVELOP PORTION OF LOAD TAKEN BY FILLS.
5. CONNECTIONS FOR T-6 AND SUPPORTING FRAMES SHALL BE SHOP FITTED OR FABRICATION OTHERWISE CONTROLLED TO CLOSE TOLERANCES TO PERMIT THE MAKING OF DIFFICULT CONNECTIONS IN THE FIELD. REFABRICATION IN THE FIELD WILL NOT BE PERMITTED.
6. WEB CONNECTIONS SHOWN FOR MEMBERS CONNECTED BY DOUBLE GUSSETS MAY BE REPLACED BY ADEQUATE STIFFENERS APPLIED OVER GUSSETS OR OTHERWISE MODIFIED TO FACILITATE FIELD CONNECTIONS.
7. ON EXPOSED STEEL FRAMING WHERE MEMBERS ARE HORIZONTAL WITH RAISED FLANGES OR WHERE STIFFENERS OR OTHER CONNECTIONS CREATE POCKETS, DRAIN HOLES SHALL BE PROVIDED.

AS OF AMENDMENT #1



SYMBOL	DESCRIPTION	DATE	APPROVAL
U.D	REDESIGN CHANGES	8/7/59	L.W.C.

REVISIONS

ARCHITECT'S JOB No. 5811G	DEPARTMENT OF THE NAVY — BUREAU OF YARDS AND DOCKS — DISTRICT PUBLIC WORKS OFFICE
ARCHITECT'S DRAWING No. 5811G 140	ROBERT AND COMPANY ASSOCIATES — ARCH. — ENGR. ATLANTA, GA.
DES H.C.R.	U. S. NAVAL RADIO STATION (T)
DRWN T.V.C.	CUTLER, MAINE
CHK H.C.R.	HELIX HOUSES — STRUCTURAL
SUPV H.C. ROBERT JR.	CANOPY TRUSSES — T-6 & T-7
O.I.C.	BRACING DETAILS
RVD	
SUPV	
NGR	

APPROVED _____ DATE 9/11/59
(FOR CHIEF OF BUREAU)

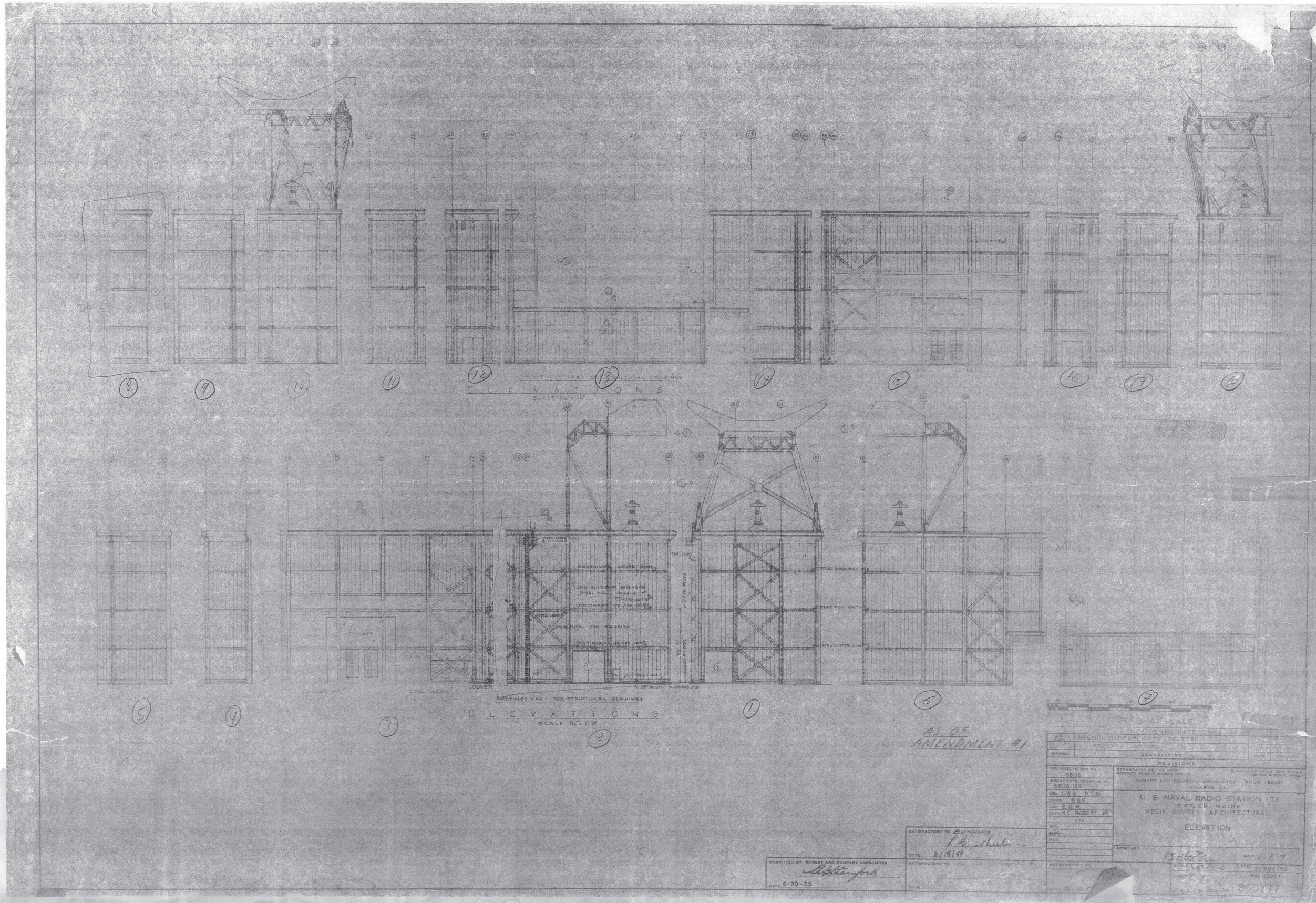
SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES — A.B. Stanford — DATE 6-30-59

SATISFACTORY TO: Buships — R.B. Wheat — DATE 8/15/59

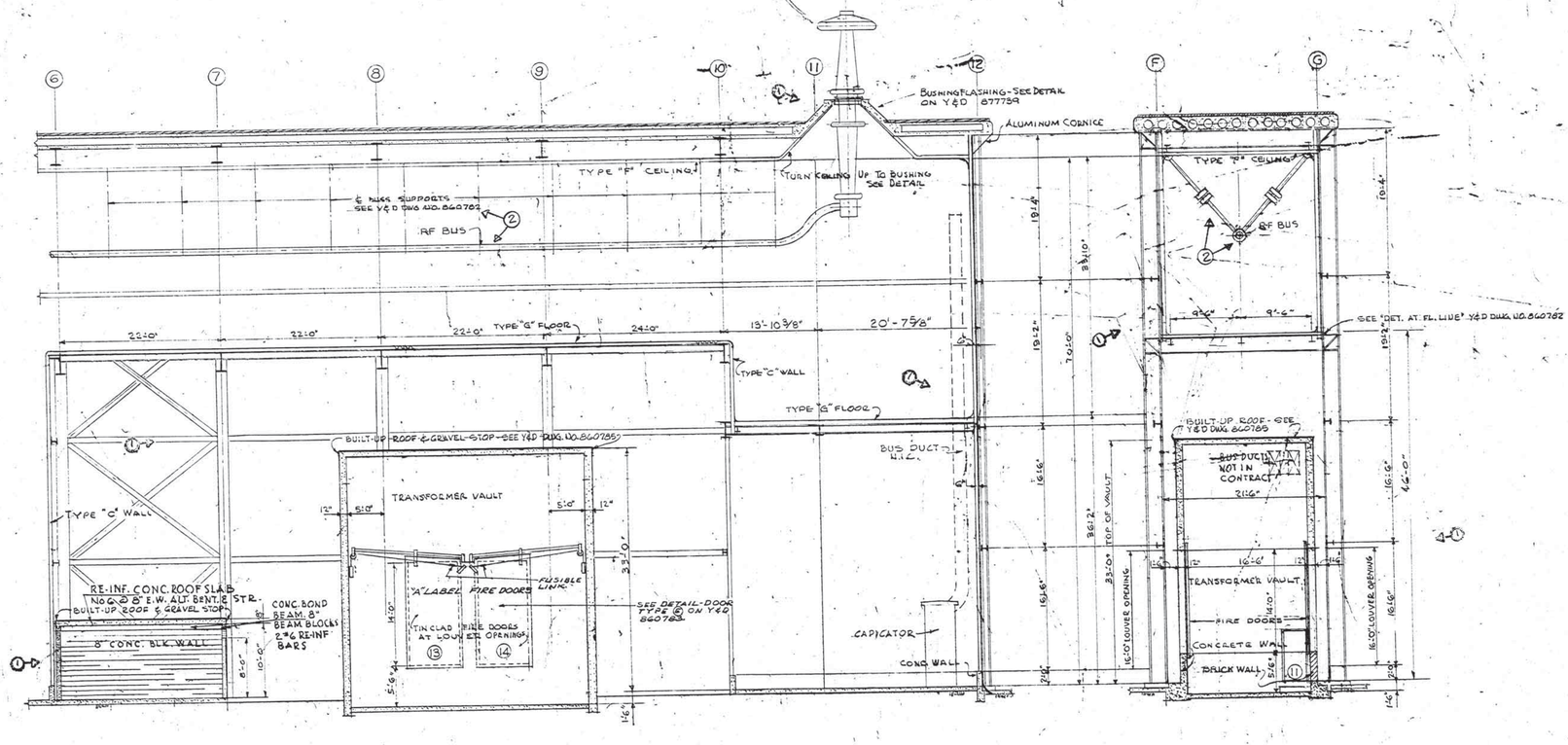
SATISFACTORY TO: AS PER AMENDMENT #1 — DATE

SATISFACTORY TO: CONTINENTAL ELECTRONICS MFG. CO. — DATE 9/11/59

SCALE: AS SHOWN — SHEET 29 OF _____ SHEETS — Y & D DRAWING NO. 860765



FOOTINGS VARY - SEE STRUCTURAL DRAWINGS
ELEVATIONS
SCALE 1/16" = 1'-0"
8
9
10
11
12
13
14
15
16
17
6
CONTINUOUS WELDED JOINT
STRUCTURAL STEEL DRAWING
LOUVER
FOOTINGS VARY - SEE STRUCTURAL DRAWINGS
ELEVATIONS
SCALE 1/16" = 1'-0"
5
4
3
2
1
6
7
AS OF AMENDMENT #1
GRAPHIC SCALE
INTERMEDIATE LINES OF
AMENDMENT #1 SHEET DELETED
REVISIONS
ARCHITECTS JOB No. 58116
ARCHITECTS DRAWING No. 58116.129
DES. L.W.S. R.T.M.
DRWN. R.G.S.
CHK. E.D.H.
SUPV. H.C. ROBERT JR.
DEPARTMENT OF THE NAVY
DISTRICT PUBLIC WORKS OFFICE
BUREAU OF YARDS AND DOCKS
NO. BOSTON, MASS.
ROBERT AND COMPANY ASSOCIATES - ARCH. - ENGR.
ATLANTA GA.
U. S. NAVAL RADIO STATION (T)
CUTLER, MAINE
HELIX HOUSES - ARCHITECTURAL
ELEVATION
APPROVED
DATE 8/12/59
SATISFACTORY TO BUSHIPS
DATE 8/15/59
SUBMITTED BY ROBERT AND COMPANY ASSOCIATES
DATE 6-30-59
SATISFACTORY TO
SCALE 1/16" = 1'-0"
SPEC. 22964/58
NAV-22964
860777



SECTION - 1.3
SCALE: 1/8" = 1'-0"

SECTION - 2.4
SCALE: 1/8" = 1'-0"

② → RF BUSS AND DETAILS SUPERSEDED BY Y&D. DWG. NOS. 878171 & 878172

AS OF AMENDMENT #2

0 5 10 15 20 30 40
1/8" = 1'-0"
GRAPHIC SCALE

SYMBOL	DESCRIPTION	DATE	APPROVAL
	REVISIONS		
② →	SUPERSEDED IN PART - AMEND. 2	3/11/60	R.W.M.
① →	REDESIGN CHANGES	12/1/59	L.W.S.

ARCHITECTS JOB No. 58116
ARCHITECTS DRAWING No. 58116.130
DES L.W.S. R.T.M.
DRWN R.G.S.
CHK E.D.H.
SUPV H.C. ROBERT JR.
OIC
RVD
SUPV
MGR

DEPARTMENT OF THE NAVY — BUREAU OF YARDS AND DOCKS
DISTRICT PUBLIC WORKS OFFICE — 1st ND BOSTON, MASS.
ROBERT AND COMPANY ASSOCIATES — ARCH. - ENGR.
ATLANTA, GA.

U. S. NAVAL RADIO STATION (T)
CUTLER, MAINE
HELIX HOUSES - ARCHITECTURAL
SECTION - SHEET No. 1

SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES
A. A. Stanford
DATE 6-30-59

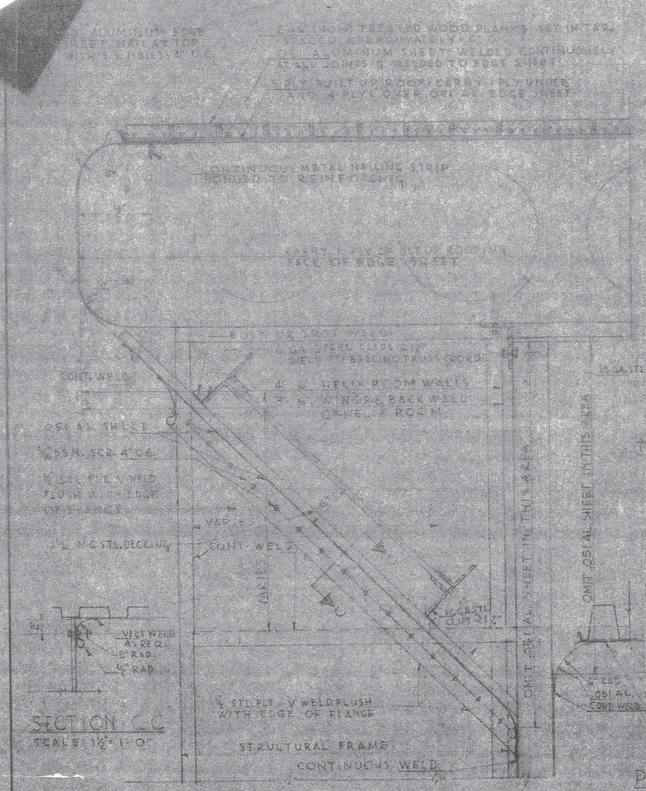
SATISFACTORY TO BUSHNELL
K. B. Wheeler
DATE 8/15/59

SATISFACTORY TO AS OF AMENDMENT #1
H. Wilson Lee
DATE MAR 9 1960

SATISFACTORY TO CONTINENTAL ELECTRONICS MFG. CO.
H. Wilson Lee
DATE 8/12/59

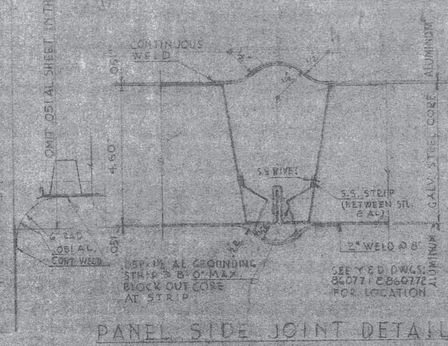
APPROVED
FOR CHIEF OF BUREAU
DATE 8/18/59

SCALE 1/8" = 1'-0"
SHEET 36 OF
SPEC. 22964/58
NO. NBY 22964
Y & D DRAWING NO. 860778

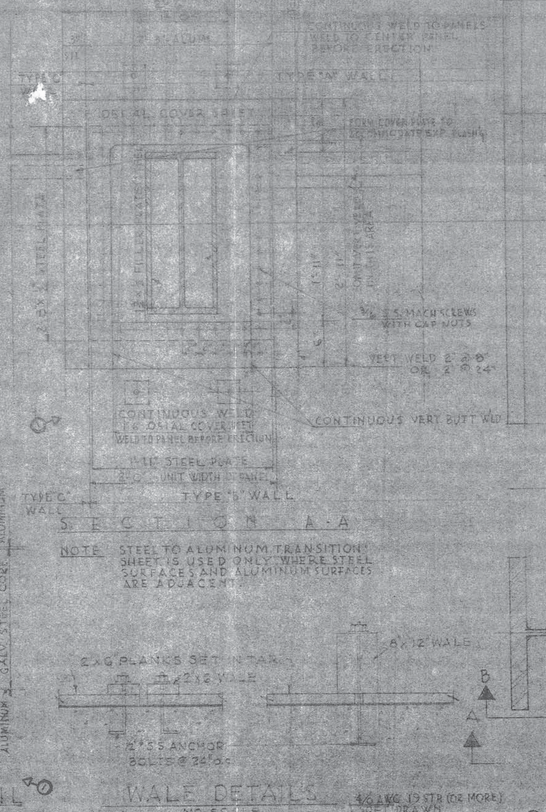


SECTION C-C
SCALE: 1½" = 1'-0"

TYP. DETAIL - EDGE SHEET CONNECTION
SCALE: 3" = 1'-0"



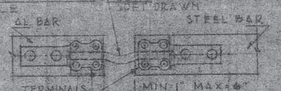
PANEL SIDE JOINT DETAIL
SCALE: ONE HALF FULL SIZE
TYPE "A" PANEL SHOWN. JOINTS IN ALUMINUM SHEETS ARE TYPICAL FOR ALL PANELS. GROUNDING STRIPS OCCUR AT TYPE "A" & TYPE "B"

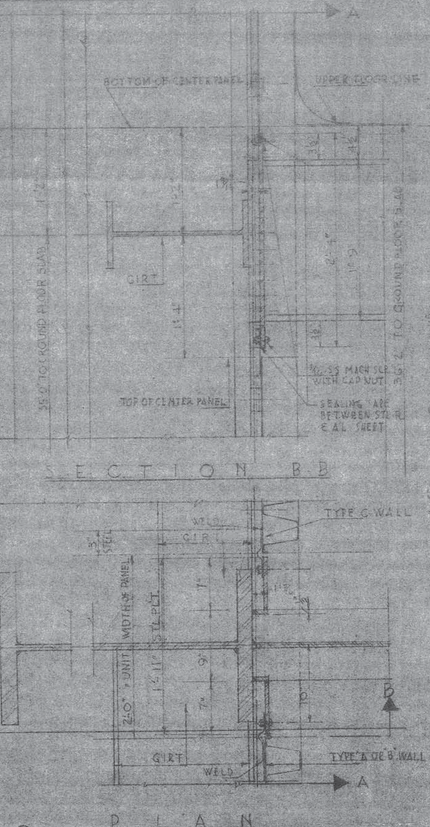


SECTION A-A

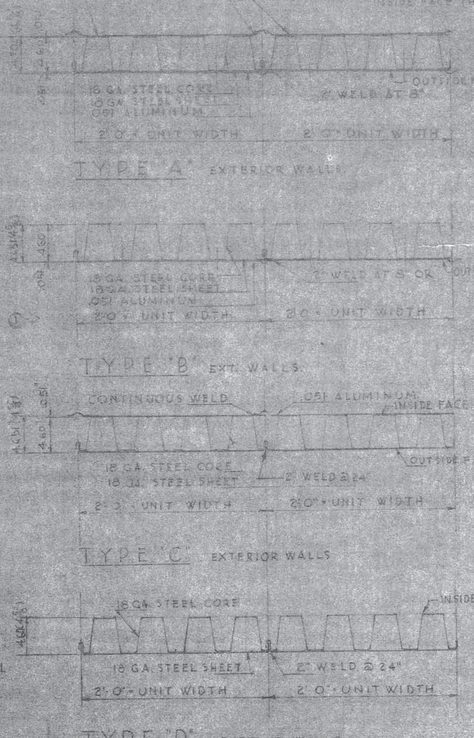
NOTE: STEEL TO ALUMINUM TRANSITION SHEET IS USED ONLY WHERE STEEL SURFACES AND ALUMINUM SURFACES ARE ADJACENT.

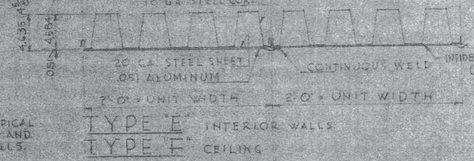
WALE DETAILS
NO SCALE





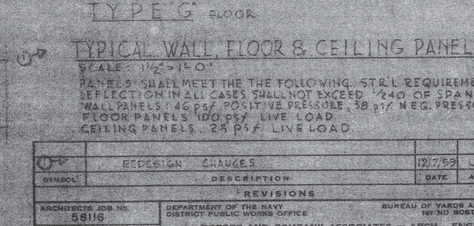
TYP. THRU WALL BEAM CONNECTION
CONDITION SHOWN IS AT COL. N°A2
SCALE: 1½" = 1'-0"



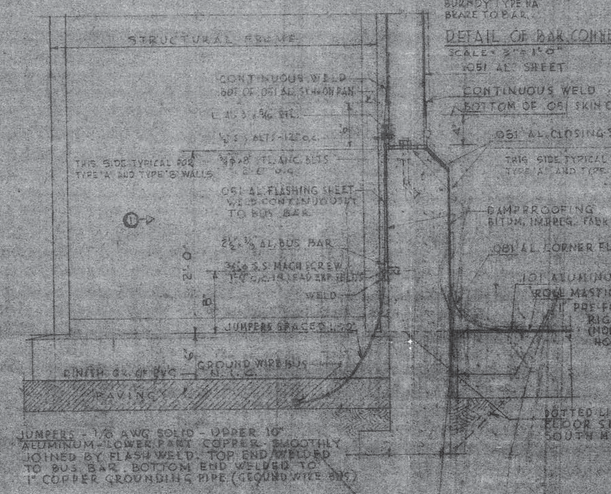


TYPICAL WALL, FLOOR & CEILING PANELS
SCALE: 1½" = 1'-0"

PANELS SHALL MEET THE THE FOLLOWING STRL REQUIREMENTS:
DEFLECTION IN ALL CASES SHALL NOT EXCEED 1/240 OF SPAN
WALL PANELS: 40 PSF POSITIVE PRESSURE, 38 P/F NEG. PRESSURE
FLOOR PANELS: 100 PSF LIVE LOAD
CEILING PANELS: 25 PSF LIVE LOAD



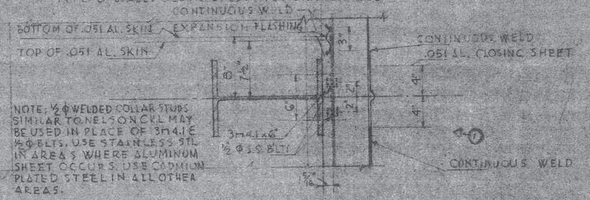
GROUND FLOOR LINE SECTION
WHERE TYPE "D" WALLS OCCUR
SCALE: 1½" = 1'-0"



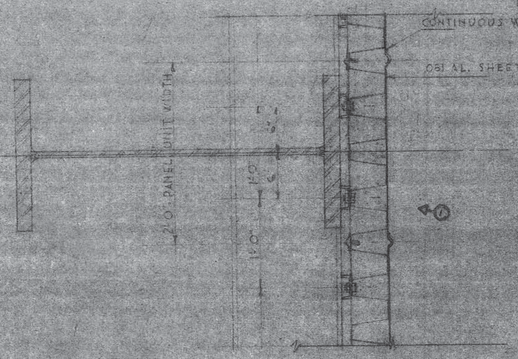
JUMPERS - 1/0 AWG SOLID - UPPER 10" ALUMINUM - LOWER PART COPPER SMOOTHLY JOINED BY FLASH WELD. TOP END WELDED TO BUS BAR. BOTTOM END WELDED TO 1" COPPER GROUNDING PIPE (GROUND WIRE BUS)

SECTION AT GROUND FLOOR LINE
SCALE: 1½" = 1'-0"

TYPICAL EAVE SECTION
TYPICAL FOR ALL EAVES WHERE TYPE "A" AND TYPE "B" WALLS OCCUR, EXCEPT FOR FRAME SIZES.



TYPICAL GIRT SECTION



TYPICAL DETAILS
SCALE: 1½" = 1'-0"
HELIX ROOM WALLS

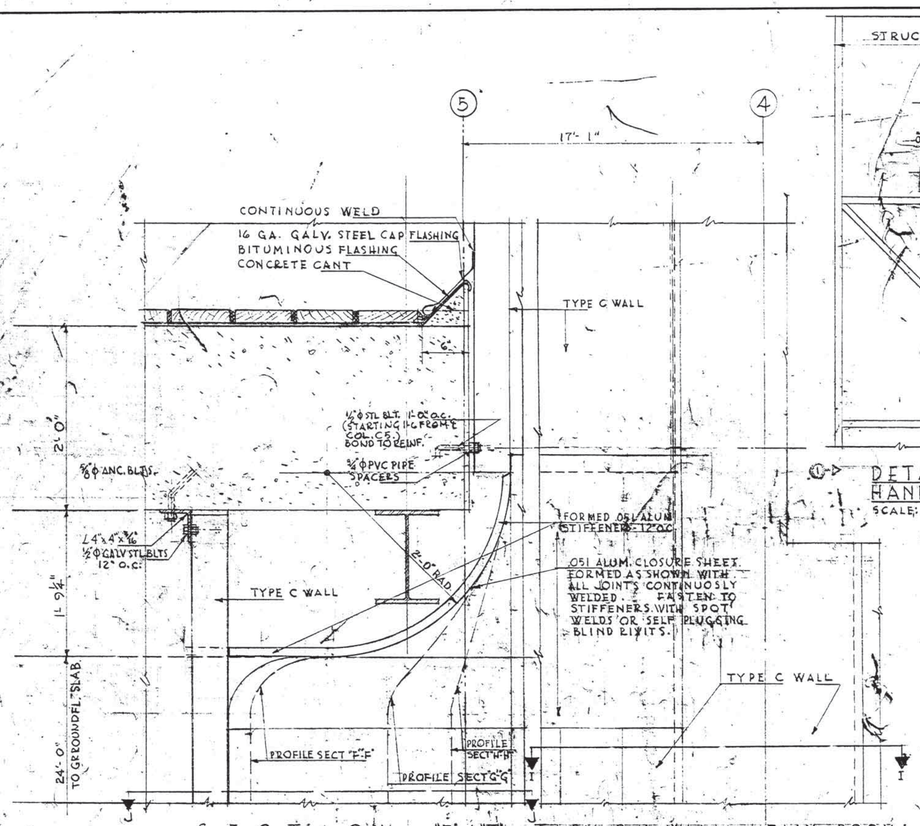
AS OF AMENDMENT #1

SYMBOL	DESCRIPTION	DATE	APPROVAL
1	REDESIGN CHANGES	12/7/59	LWS

REVISIONS

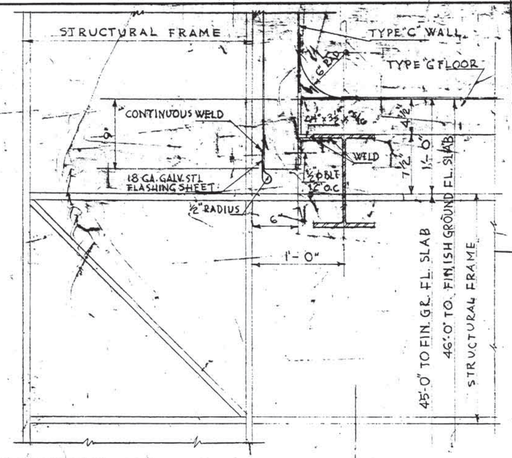
ARCHITECTS JOB NO. 5811G	DEPARTMENT OF THE NAVY BUREAU OF YARDS AND DOCKS DISTRICT PUBLIC WORKS OFFICE 1ST ND BOSTON, MASS.
ARCHITECTS DRAWING NO. 58116.133	ROBERT AND COMPANY ASSOCIATES — ARCH. - ENGR. ATLANTA, GA.
DES. R.T.M. L.W.S.	U. S. NAVAL RADIO STATION (T)
DRWN. R.T.M.	CUTLER, MAINE
CHK. E.O.H.	HELIX HOUSES - ARCHITECTURAL
SUPV. H.C. ROBERT JR. OIC	WALL & PANEL DETAILS
NYD	
SUPV	
WSR	

SATISFACTORY TO: EQUIPS L B Wheeler DATE 8/12/59
APPROVED: [signature] DATE 8/12/59
SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES [signature] DATE 6-30-59
SATISFACTORY TO: [signature] DATE
SATISFACTORY TO: CONTINENTAL ELECTRONICS MFG. CO. DATE 9/21/59
SCALE: AS SHOWN SPEC. 22964/59
SHEET 39 OF NO. NAy-22964
Y & D DRAWING NO. 86078



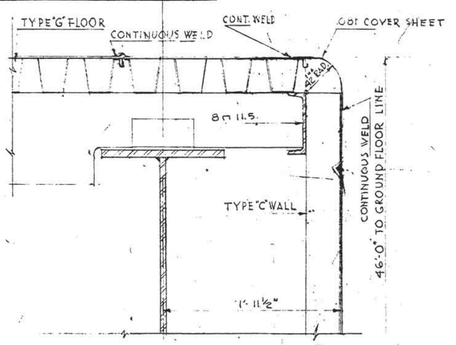
SECTION "E-E" ELEV. R.H. WALL, HELIX ROOM

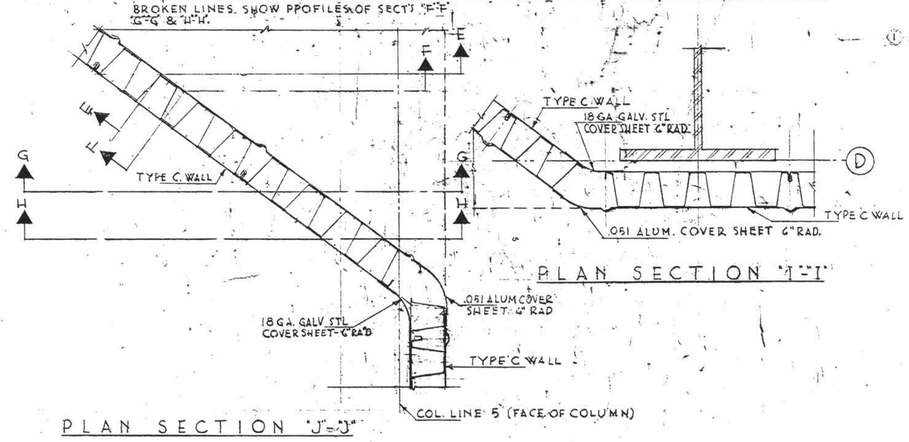
BROKEN LINES SHOW PROFILES OF SECT'S "F-F" "G-G" & "H-H".



DETAIL AT FLOOR LINE LEFT HAND R.F. BUS CORRIDOR

SCALE: 1½" = 1'-0"





PLAN SECTION "I-I"

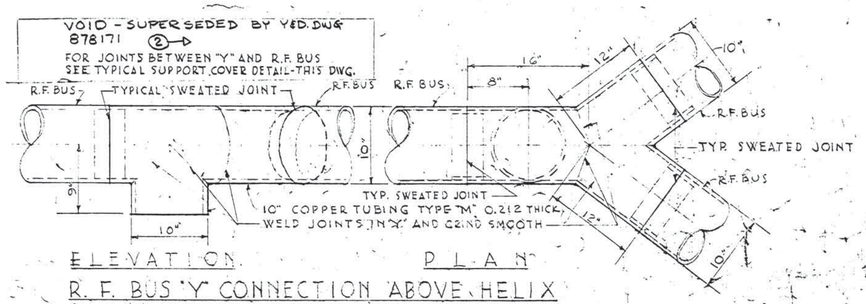
PLAN SECTION "J-J"

① DETAIL AT HELIX ROOM END OF LEFT HAND R.F. BUS CORRIDOR

SCALE: 1½" = 1'-0"

① DETAILS OF HELIX ROOM END OF RIGHT HAND BUS CORRIDOR

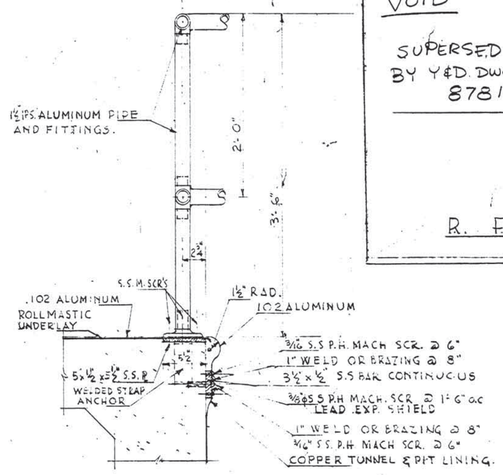
SCALE: 1½" = 1'-0"



ELEVATION PLAN

R.F. BUS "Y" CONNECTION ABOVE HELIX

SCALE: 1½" = 1'-0"

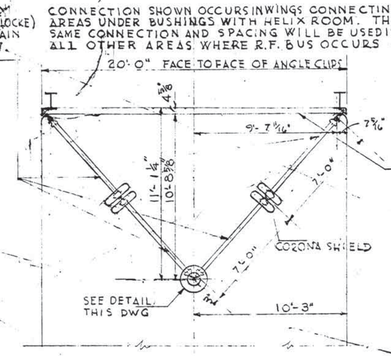


DETAIL OF HAND RAILING AND EDGE OF PIT IN HELIX HOUSE

SCALE: 1½" = 1'-0"

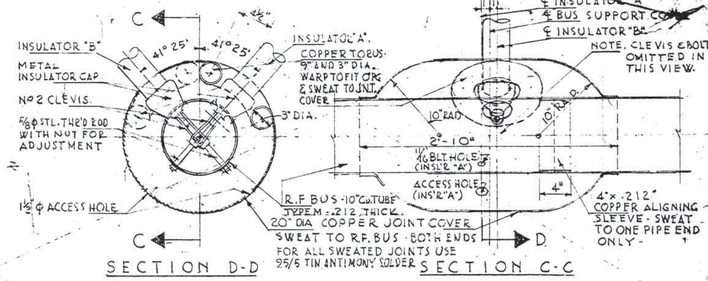
CONNECTION SHOWN OCCURS IN WINGS CONNECTING AREAS UNDER BUSHINGS WITH HELIX ROOM. THE SAME CONNECTION AND SPACING WILL BE USED IN ALL OTHER AREAS WHERE R.F. BUS OCCURS.

GENERAL ELECTRIC (COLOCKE) 3" x 72" ANTENNA STRAIN INSULATOR NO 61387. DWG NO. U-90442. L = 73" ±1"



ASSEMBLY SECTION

SCALE: ¼" = 1'-0"



TYPICAL DETAIL OF INSULATOR MOUNTING

SCALE: 1½" = 1'-0"

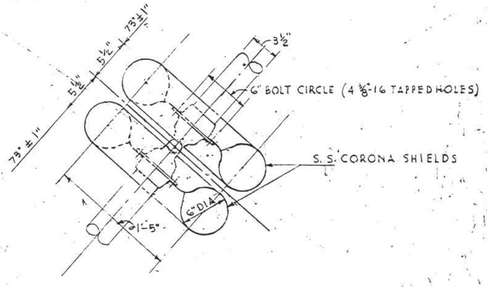
TYPICAL SUPPORT COVER DETAIL

SCALE 1½" = 1'-0"

R.F. BUS SUPPORTS ARE LOCATED ON 10'-0" CENTERS
R.F. BUS JOINTS ARE SPACED 20'-0" BETWEEN JOINTS

② VOID

SUPERSEDED BY Y&D DWG 878171



TYPICAL CORONA SHIELD DETAIL

SCALE: 1½" = 1'-0"

R. F. BUS SUPPORT DETAILS

0 3" 6" 9" 1' 2' 3' 4'
1½" = 1'-0"

0 1' 2' 3' 4' 5' 10' 15' 20'
½" = 1'-0"

GRAPHIC SCALE

SYMBOL	DESCRIPTION	DATE	APPROVAL
②	"PLAN SUPERSEDED IN PART - AMEND 2	3/11/60	P.W.M.
①	REDESIGN CHANGES	12/17/59	L.W.S.

REVISIONS

ARCHITECTS JOB No. 58116	DEPARTMENT OF THE NAVY DISTRICT PUBLIC WORKS OFFICE — BUREAU OF YARDS AND DOCKS 1st ND BOSTON, MASS.
ARCHITECTS DRAWING No. 58116.134	ROBERT AND COMPANY ASSOCIATES — ATLANTA, GA.
DES L.W.S. R.T.M.	U. S. NAVAL RADIO STATION (T)
DRWN R.T.M.	CUTLER, MAINE
CHK E. D. H.	HELIX HOUSES - ARCHITECTURAL
SUPV H.C. ROBERT JR. O.I.C.	R.F. BUS CORRIDOR DETAILS
RVD	
SUPV	
MGR	

APPROVED [signature] DATE 8/14/59
OIC FOR CHIEF OF BUREAU

SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES [signature] DATE 6-30-59

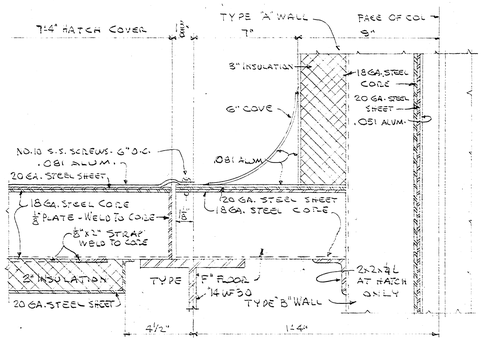
SATISFACTORY TO BUSHIPS L. B. Whaley DATE 8/15/59

SATISFACTORY TO AS OF AMENDMENT #1 [signature] DATE MAR 8 1960

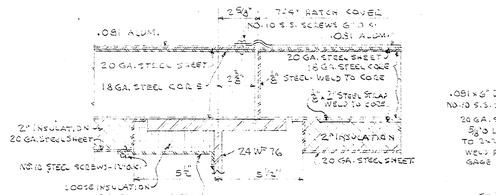
SATISFACTORY TO CONTINENTAL ELECTRONICS MFG. CO. [signature] DATE 8/14/59

SCALE AS SHOWN SPEC. 22964/58
SHEET 40 OF NO. NBy-22964
Y & D DRAWING NO. 860782

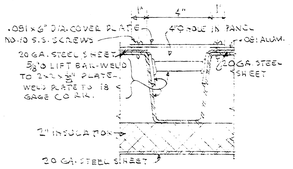
AS OF AMENDMENT #2



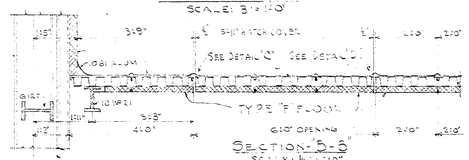
DETAIL - "B"
SCALE: 3" = 1'-0"

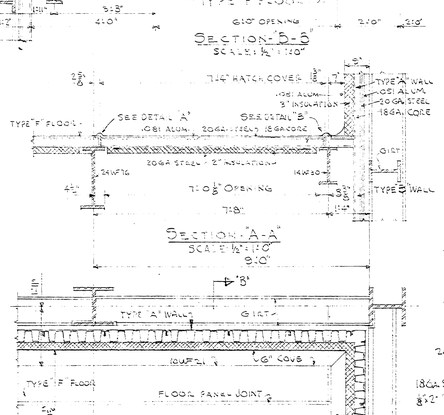


DETAIL - "A"
SCALE: 3" = 1'-0"



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



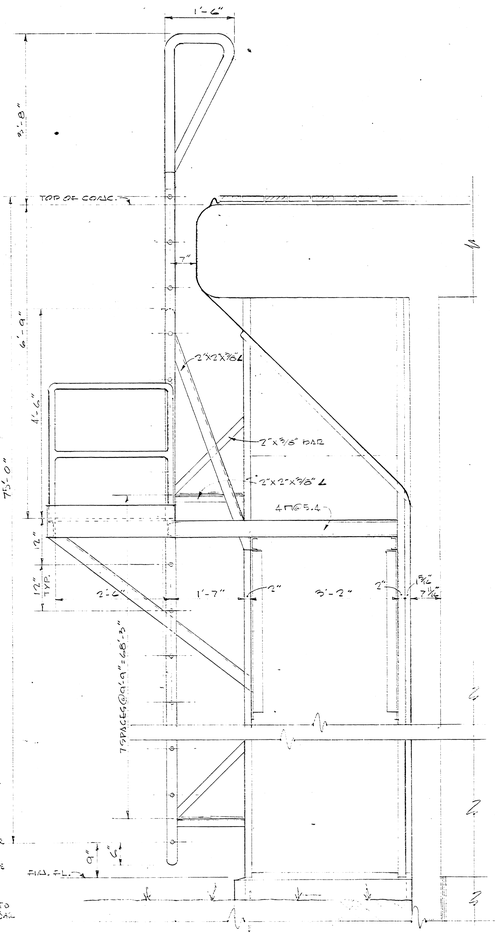


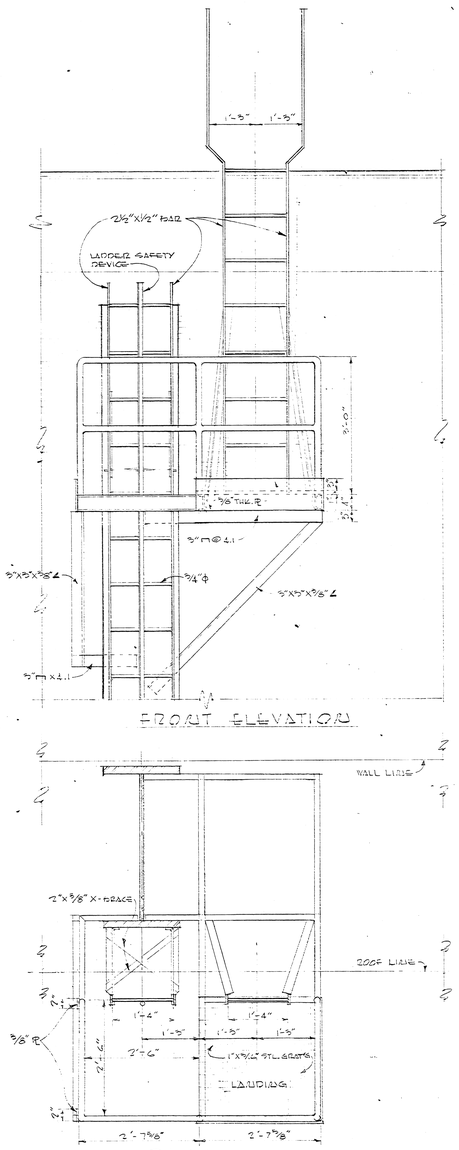
PLAN OF LIFT BAIL AND COVER PLATE
SCALE: 3" = 1'-0"

DETAIL - "D"
SCALE: 3" = 1'-0"

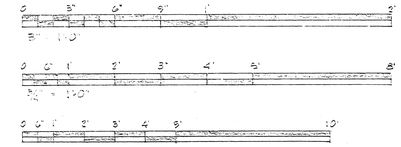
DETAIL - "C"
SCALE: 3" = 1'-0"

DETAIL OF UPPER FLOOR HATCH AT COLUMN NO. "H-12" AS SHOWN
DETAIL OF UPPER FLOOR HATCH AT COLUMN NO. "J-12" OPPOSITE HAND





DETAILS - ACCESS LADDER
SCALE: 3/4" = 1'-0"



GRAPHIC SCALES

SYMBOL	DESCRIPTION	DATE	APPROVAL

REVISIONS

ARCHITECTS JOB No. 58116
ARCHITECTS DRAWING No. 58116.143
DES L.W.S. R.T.M.
DRWN R.G.S.
CHK E.D.H.
SUPV H.C. ROBERT JR.
O I C
R V D
SUPV
MGR

DEPARTMENT OF THE NAVY
DISTRICT PUBLIC WORKS OFFICE
BUREAU OF YARDS AND DOCKS
1ST ND BOSTON, MASS.
ROBERT AND COMPANY ASSOCIATES — ARCH. - ENGR.
ATLANTA, GA.

U. S. NAVAL RADIO STATION (T)
CUTLER, MAINE
HELIX HOUSES - ARCHITECTURAL

MISCELLANEOUS DETAILS

APPROVED _____ DATE _____
O I C FOR CHIEF OF BUREAU

SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES
DATE 6-30-59

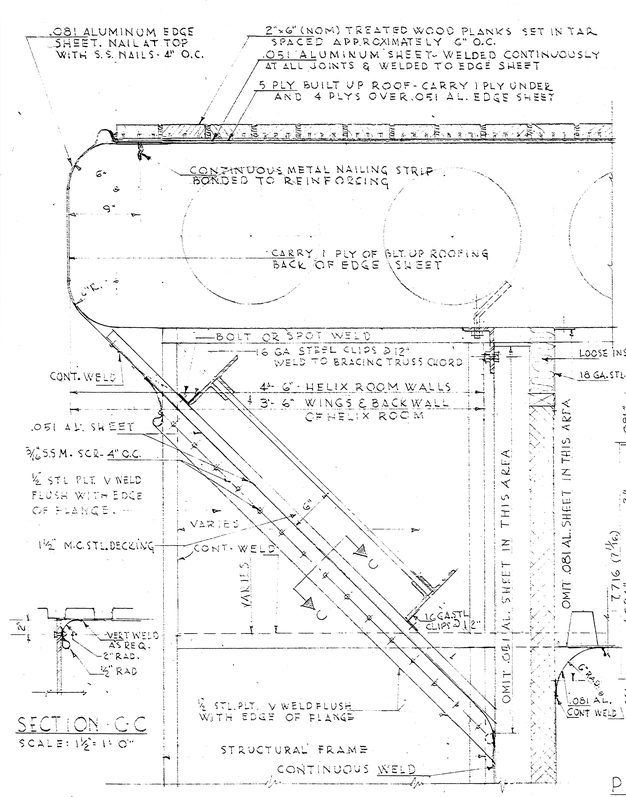
SATISFACTORY TO _____ DATE _____

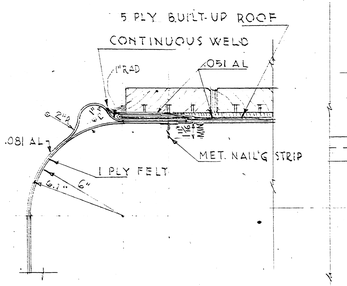
SATISFACTORY TO _____ DATE _____

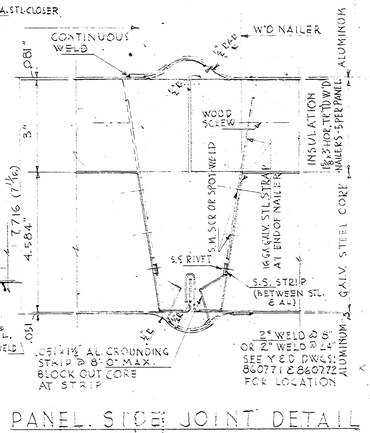
SATISFACTORY TO CONTINENTAL ELECTRONICS MFG. CO. _____ DATE _____

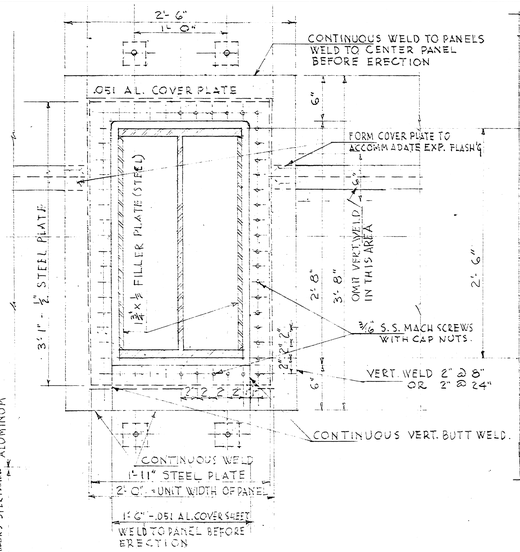
SCALE AS SHOWN
SPEC. 22964/58
SHEET 43 OF 49
NO NBy-22964
Y & D DRAWING NO. 860785

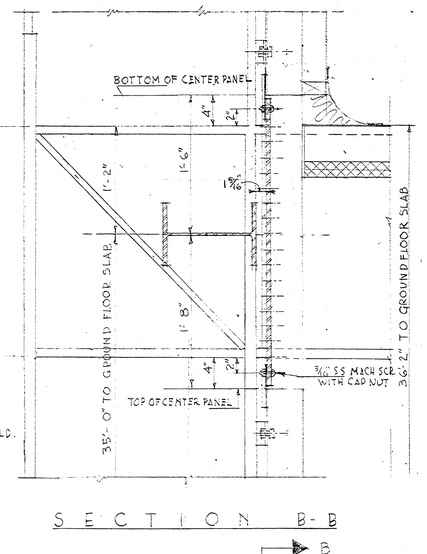
E. K. ELLIOTT CO., PITTSBURGH REORDER A-32492

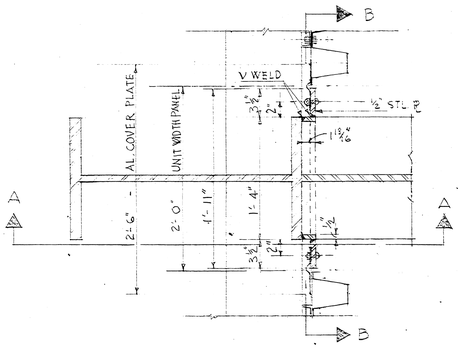


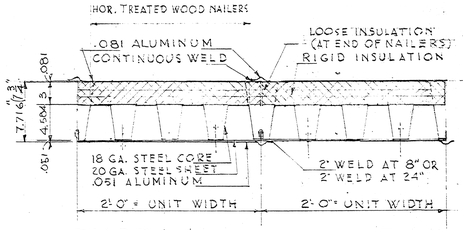


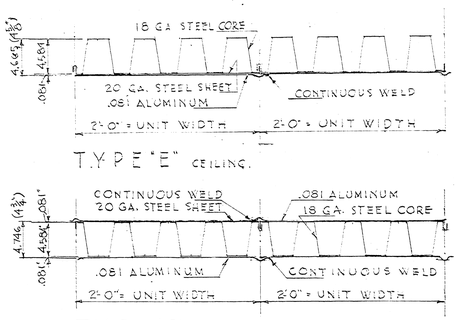








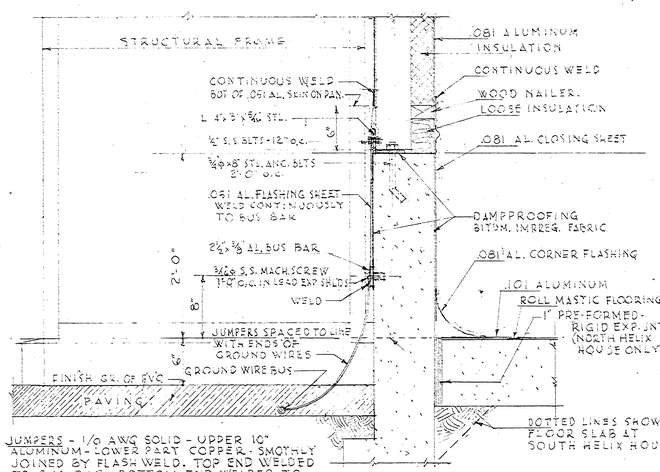


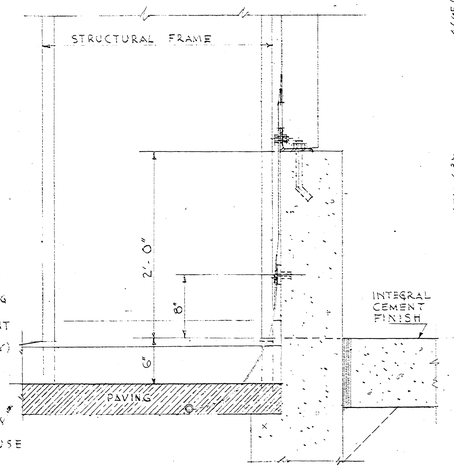


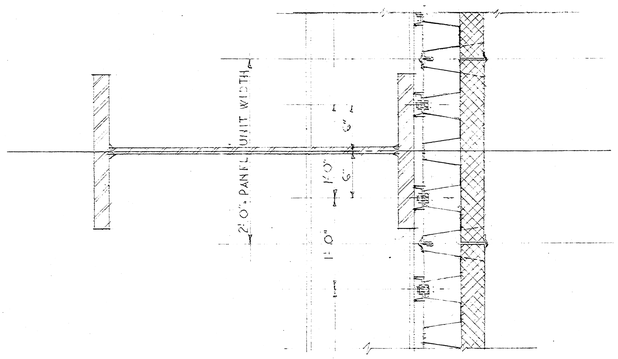
TYPICAL WALL, FLOOR & CEILING PANELS

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

PANELS SHALL MEET THE THE FOLLOWING STR'L REQUIREMENTS: DEFLECTION IN ALL CASES SHALL NOT EXCEED 1/240 OF SPAN.
WALL PANELS: 46 psf POSITIVE PRESSURE, 38 psf NEG. PRESSURE
FLOOR PANELS 100 psf LIVE LOAD.
CEILING PANELS, 25 psf. LIVE LOAD.







TYP. DETAILS - WING WALLS

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

SYMBOL	DESCRIPTION	DATE	APPROVAL

REVISIONS

ARCHITECTS JOB No. 58116	DEPARTMENT OF THE NAVY — BUREAU OF YARDS AND DOCKS DISTRICT PUBLIC WORKS OFFICE — 1ST ND BOSTON, MASS.
ARCHITECTS DRAWING No. 58116.133	ROBERT AND COMPANY ASSOCIATES — ARCH. - ENGR. ATLANTA, GA.
DES R.T.M. L.W.S. DRWN R.T.M. CHK E.D.H. SUPV H.C. ROBERT JR. O I C RVD SUPV MGR	U. S. NAVAL RADIO STATION (T) CUTLER, MAINE HELIX HOUSES - ARCHITECTURAL WALL & PANEL DETAILS
	APPROVED _____ DATE _____ O I C FOR CHIEF OF BUREAU

SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES
A. A. Stanford
DATE 6-30-59

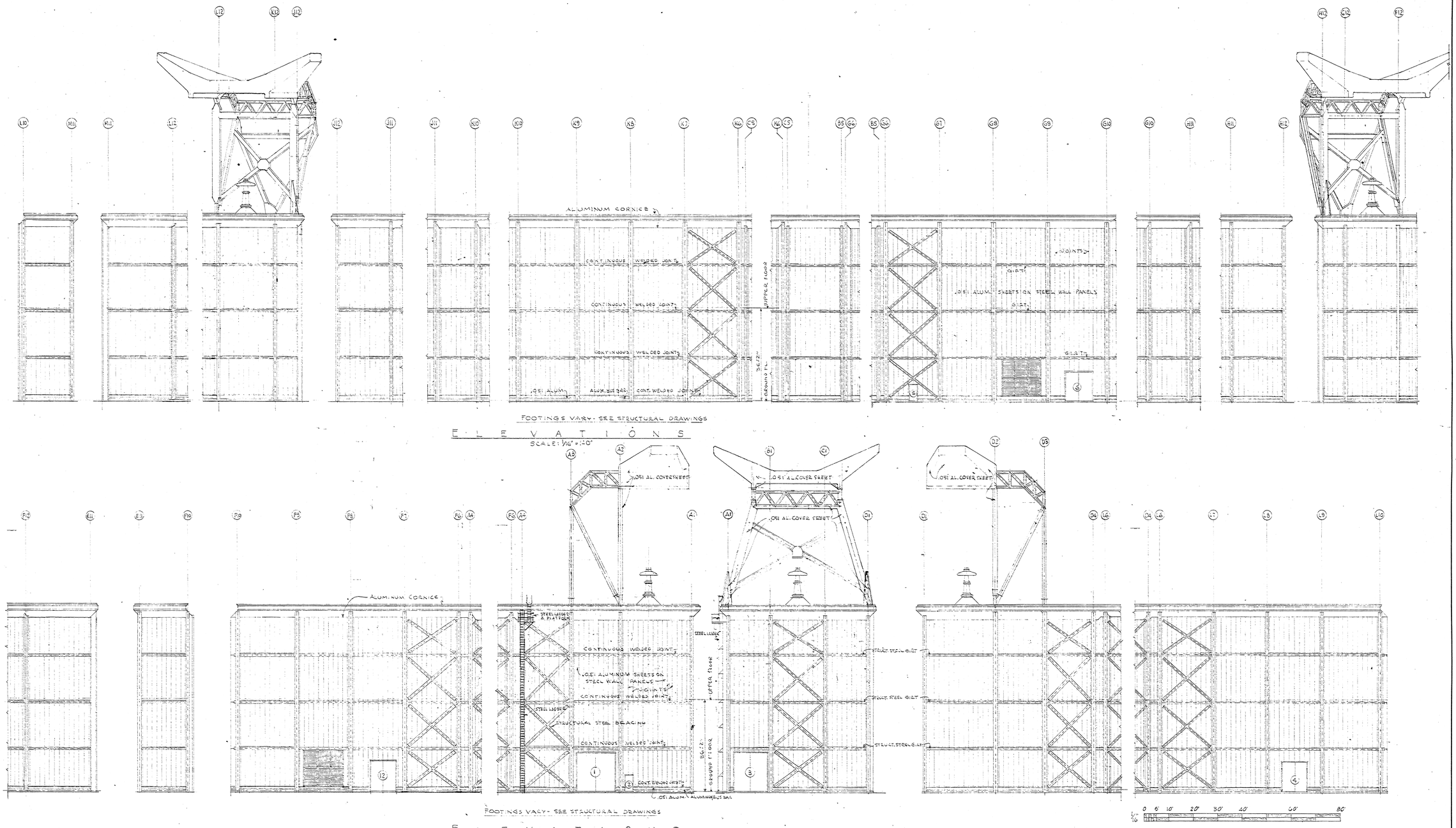
SATISFACTORY TO _____ DATE _____

SATISFACTORY TO _____ DATE _____

SATISFACTORY TO CONTINENTAL ELECTRONICS MFG. CO. _____ DATE _____

SCALE AS SHOWN — SPEC. 22964/58
SHEET 39 OF 49 — NO. NBy-22964
Y & D DRAWING NO. 860781

E. H. ELLIOTT CO., PITTSBURGH REORDER A-32692



SYMBOL	DESCRIPTION	DATE	APPROVAL
	REVISIONS		

ARCHITECTS JOB No. 5811 6	DEPARTMENT OF THE NAVY BUREAU OF YARDS AND DOCKS DISTRICT PUBLIC WORKS OFFICE 1st ND BOSTON, MASS.
ARCHITECTS DRAWING No. 5811 6.129	ROBERT AND COMPANY ASSOCIATES — ARCH. - ENGR. ATLANTA, GA.
DES L.W.S. R.T.M.	U. S. NAVAL RADIO STATION (T)
DRWN R.G.S.	CUTLER, MAINE
CHK E.D.H.	HELIX HOUSES - ARCHITECTURAL
SUPV H.C. ROBERT JR.	ELEVATION - SHEET No I
OIC	
RVD	APPROVED DATE
SUPV	OIC FOR CHIEF OF BUREAU
MGR	

SUBMITTED BY: ROBERT AND COMPANY ASSOCIATES
A.B. Stanford
DATE 6-30-59

SATISFACTORY TO
DATE

SATISFACTORY TO
DATE

SATISFACTORY TO
CONTINENTAL ELECTRONICS MFG. CO.
DATE

SCALE 1/16" = 1'-0" SPEC. 22964/58
SHEET 35 OF 49 NO. NBy-22964
Y & D DRAWING NO. 860777

E. K. ELLIOTT CO., PITTSBURGH REORDER A-32692