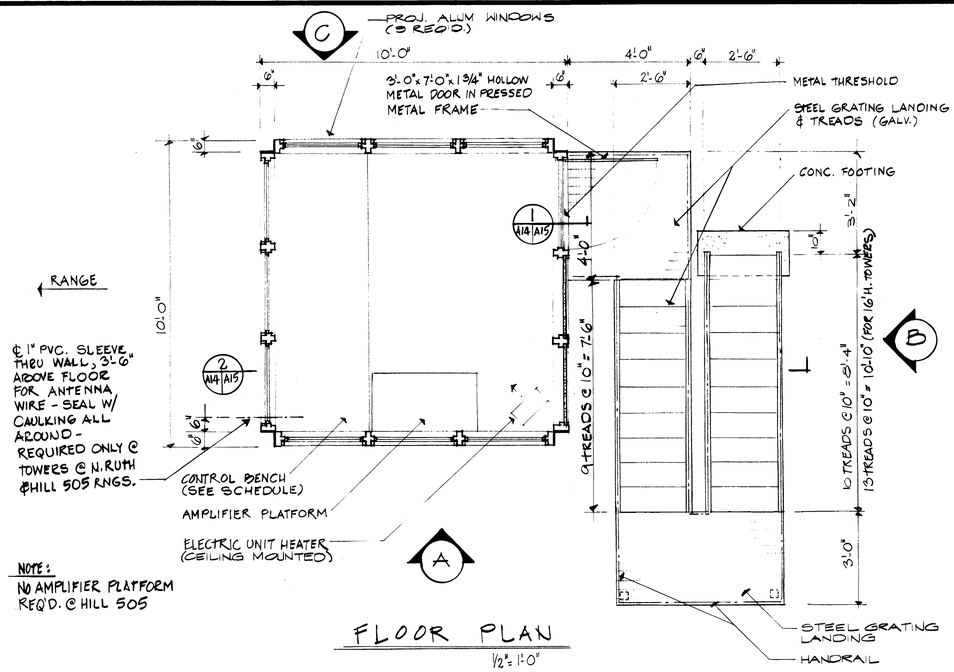
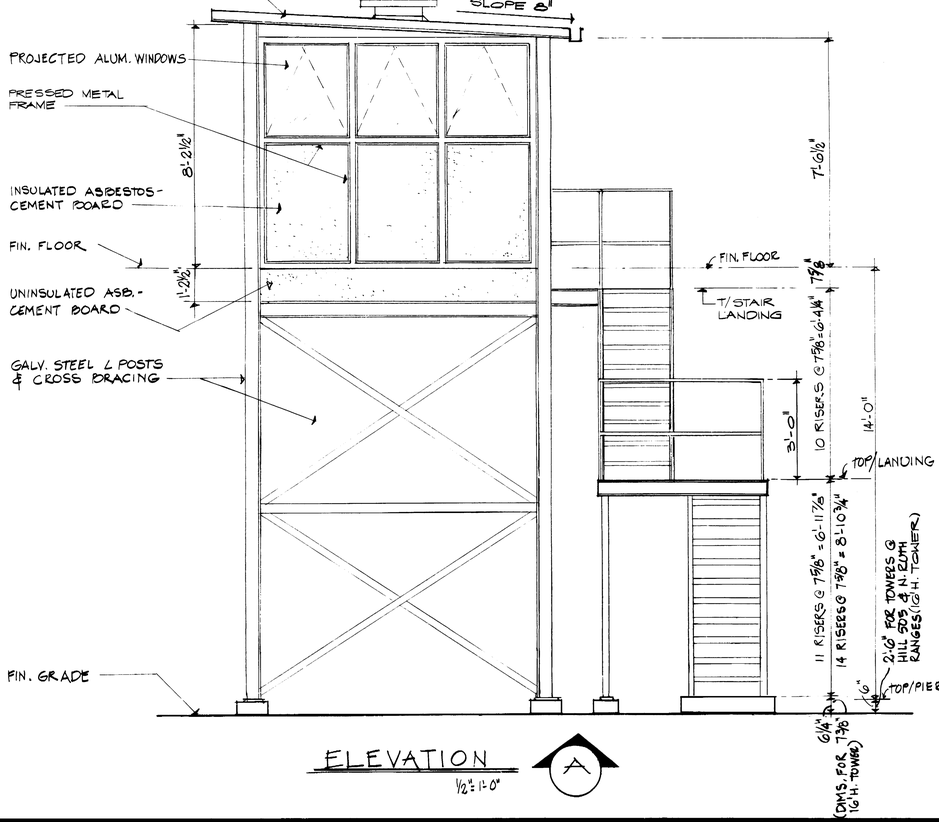


NOTE:
NO AMPLIFIER PLATFORM REQ'D. @ HILL 505

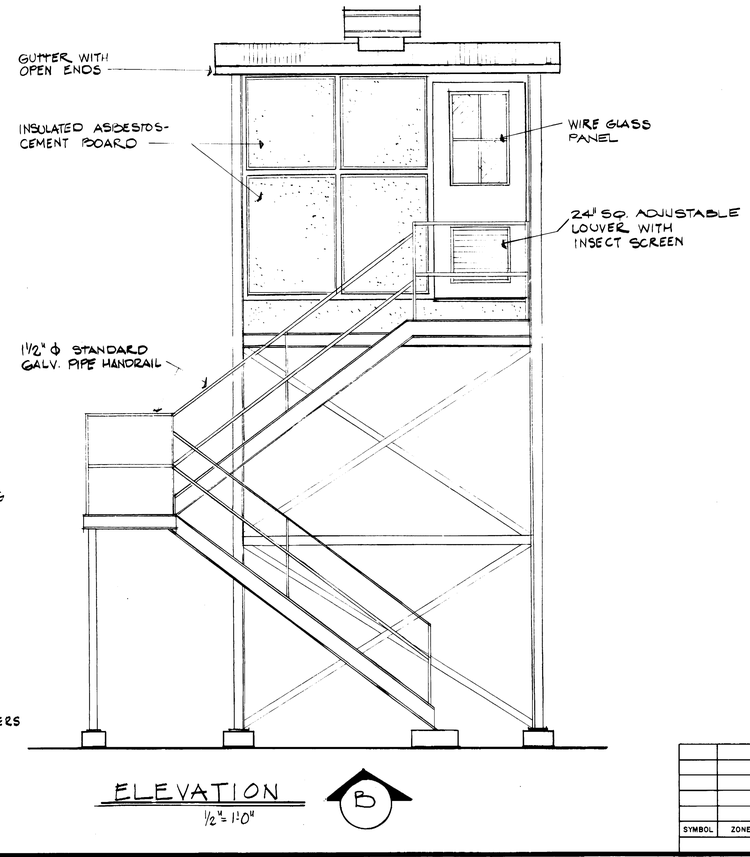
FLOOR PLAN

1/2" = 1'-0"



ELEVATION A

1/2" = 1'-0"



ELEVATION B

1/2" = 1'-0"

DRAWINGS ARE FOR REFERENCE ONLY

CONTRACTOR TO FIELD VERIFY ALL CONDITIONS.

NOTES

1. DESIGN LOADS:
   ROOF LIVE LOAD 20 P.S.F.
   FLOOR LIVE LOAD 100 P.S.F.
   WIND LOAD 80 M.P.H.
   PLUS 1.5 SAFETY FACTOR AGAINST UPLIFT.
   SEISMIC ZONE: 1 Z=.25, K=1.0, C=.10
   RECURRENCE INTERVAL: 50 YRS, EXPOSURE: "C"
2. METAL ROOF PANELS, PROJECTED TYPE WINDOWS AND CIRCULAR ROOF VENTILATOR SHALL COMPLY WITH THE SPECIFICATION REQUIREMENTS FOR METAL BUILDINGS.
3. ALL STEEL SHALL CONFORM TO ASTM A36 AND SHALL BE GALVANIZED
4. ALL STEEL CONNECTIONS SHALL BE STANDARD A.I.S.C. WELDED OR A.I.S.C. BOLTED TYPE.
5. ALL WELDING TO BE DONE IN ACCORDANCE TO A.W.S. CODE AND SUPPLEMENTS.
6. THE STRUCTURE SHALL BE DESIGNED AND FABRICATED ACCORDING TO THE A.I.S.C., A.I.S.I. AND MB.M.A. LATEST SPECIFICATIONS.
7. ALL STRUCTURAL LUMBER TO BE DOUGLAS FIR OR SOUTHERN PINE SELECT STRUCTURAL GRADE, PRESSURE PERSERVATIVE TREATED: EXCEPT THAT DECKING SHALL BE COMMERCIAL GRADE AND BE PRESSURE PRESERVATIVE TREATED
8. WALLS PANELS TO BE ASBESTOS CEMENT BOARD LAMINATED TO A WOOD FIBER INSULATION CORE FORMING A PANEL 1-1/8" THICK. PANELS TO BE SET ON STEEL FRAMING IN BED OF CALKING.
9. WINDOWS TO BE ALUMINUM, PROJECTED.
10. ELECTRIC HEAT AND GRAVITY VENTILATION.
11. PROVIDE GROUNDING FOR FRAMING AND METAL BLDG.
12. AT TOWERS FOR RANGES PROVIDED W/ CONTROL CONSOLES - CONTRACTOR SHALL COORDINATE TEMPERATURE REQUIREMENTS FOR OPERATION OF CONSOLES & PROVIDE AIR CONDITIONING UNIT IF NECESSARY FOR MAINTAINING SPACE @ TEMPERATURE RANGE REQUIRED.

BLDG. SCHEDULE

	AREA	CONTROL BENCH	NO REQ'D
	UPPER SIMPSON	YES	1
	LOWER SIMPSON	YES	1
	ENGLISH RANGE	YES	1
	ROOSEVELT RANGE	YES	1
	WAGNER RANGE	YES	1
	NORTH & SOUTH GALLOWAY	YES *	2
16' H. TOWER	NORTH RUTH RANGE	CONSOLE	1
16' H. TOWER	HILL 505	CONSOLE	1
	TOTAL:		9

* AT TOWERS FOR N & S GALLOWAY, CONTROL BENCH SHALL BE MODIFIED TO RECEIVE CONSOLE IF ADDITIVE ALTERNATE N2 5 IS ACCEPTED.

SEE PLAN E-21 FOR ELECTRICAL PLAN & DETAILS

SCALE: 1/2" = 1'-0"
12" 0 1' 2' 3' 4'

GRAPHIC SCALE

AS-BUILT
9 AUG 1983
RECORD DRAWING

SYMBOL	ZONE	DESCRIPTION	DATE	BY
		REVISIONS		

ALSBROOKS & ASSOCIATES, INC. ARCHITECTS / PLANNERS ATLANTA, GEORGIA

U. S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA

TRAINING FACILITIES AUGMENTATION
CONTROL TOWER
PLAN AND ELEVATIONS
FORT BENNING GEORGIA

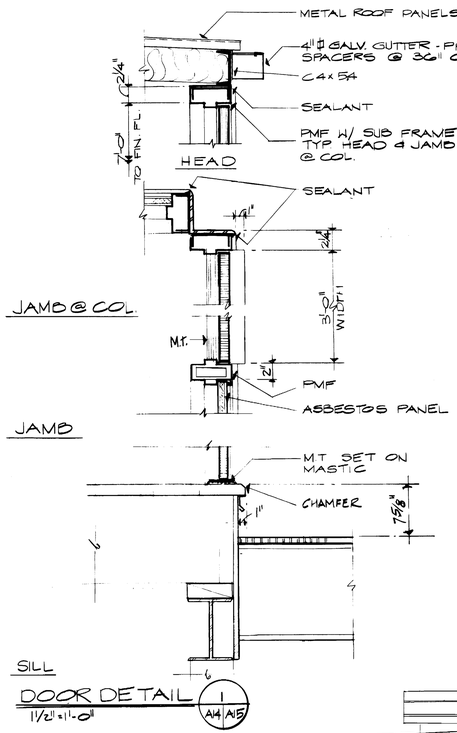
SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA21-81-B-0023	BEN-84-02-03	A-14

SCALE: AS SHOWN SHEET 65

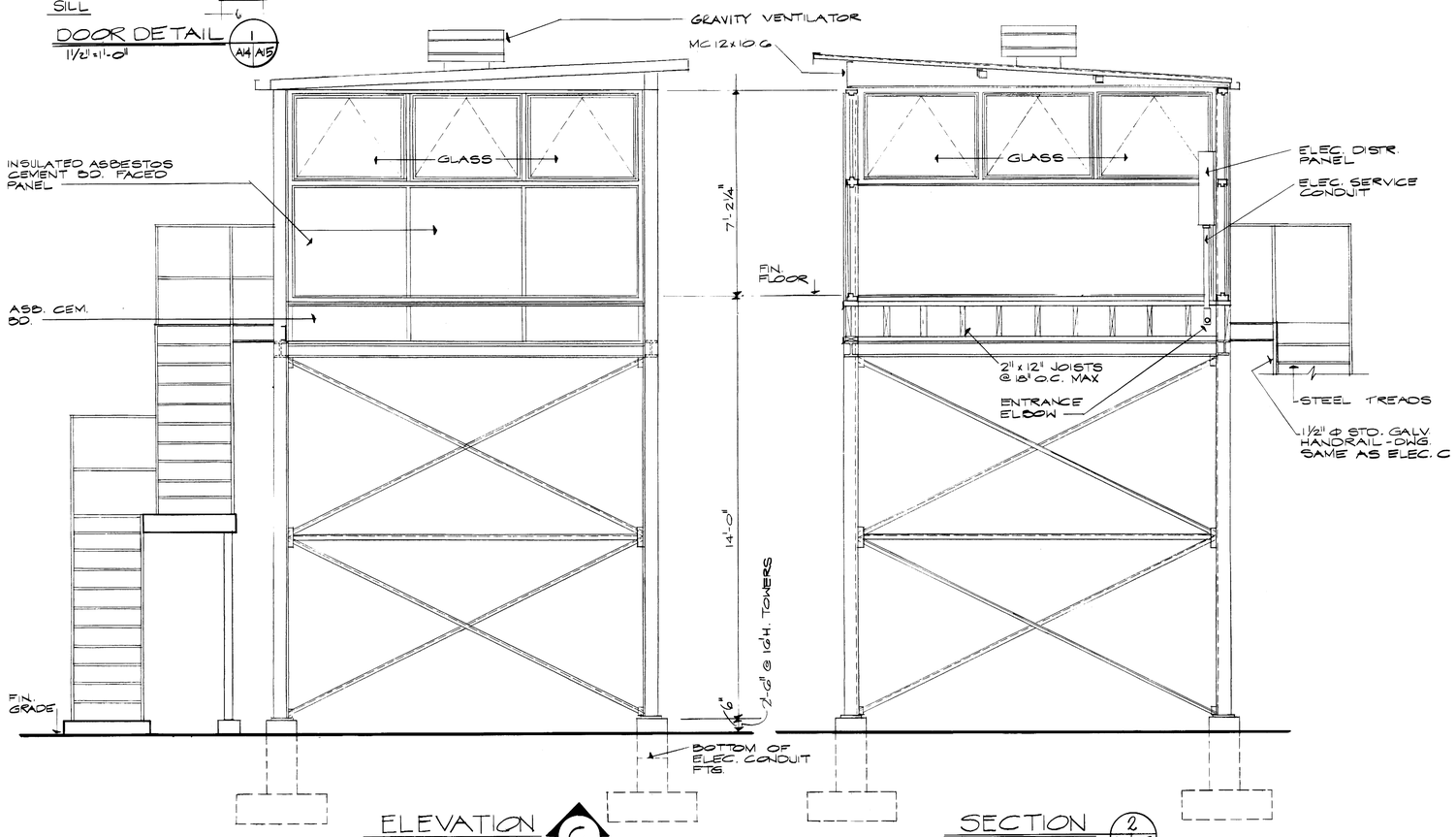
(A-14)

ISAY 10642

FORMAT 6

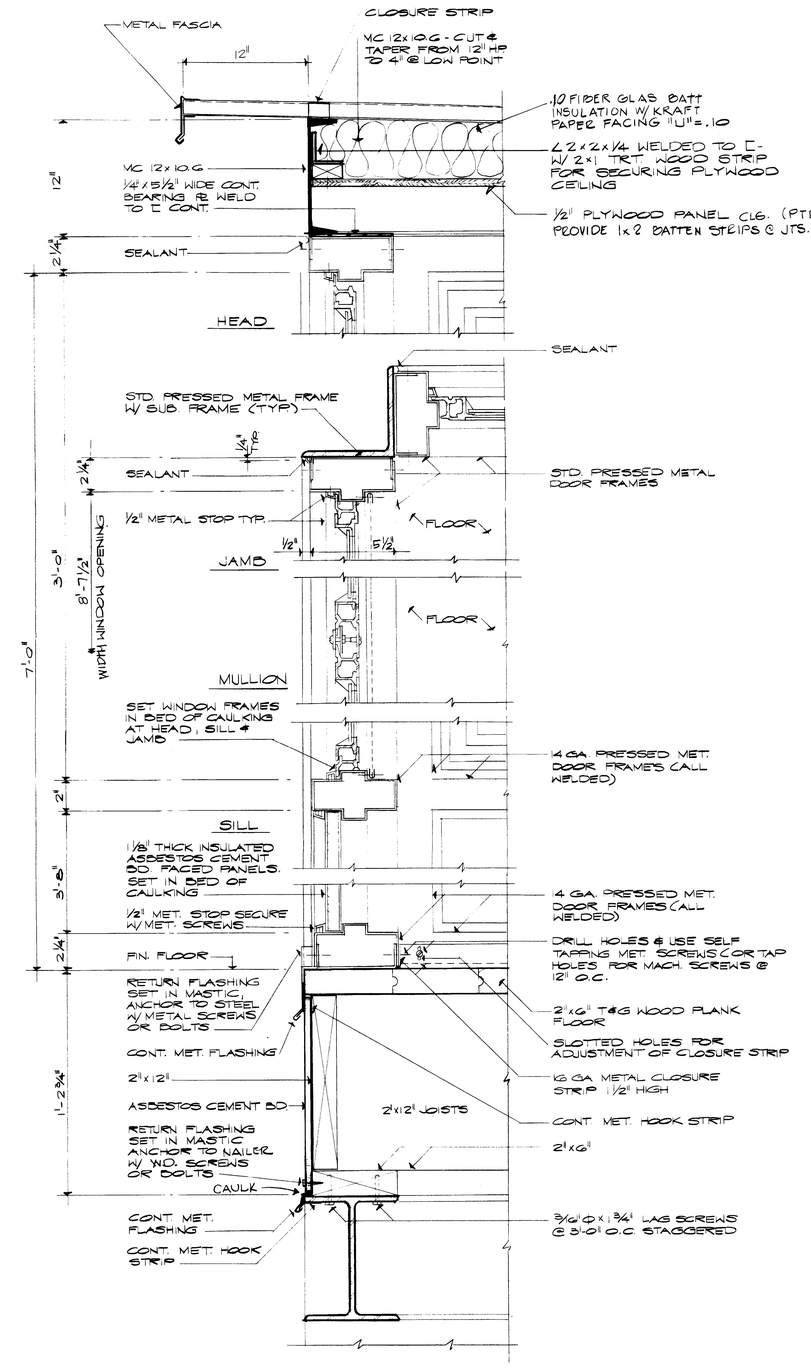


DOOR DETAIL 1 (A14/A15)
1½"=1'-0"



ELEVATION C
½"=1'-0"

SECTION 2 (A14/A15)
½"=1'-0"



TYPICAL WALL SECTION
3"=1'-0"

AS-BUILT RECORD DRAWING

GRAPHIC SCALES

SCALE: 1-1/2"=1'-0" — 12" 6" 0 1'

SCALE: 3"=1'-0" — 6" 0 6" 1'

SCALE: 1/2"=1'-0" — 12" 0 1' 2' 3' 4'

SYMBOL	ZONE	DESCRIPTION	DATE	BY

REVISIONS

ALSBROOKS & ASSOCIATES, INC.
ARCHITECTS / PLANNERS
ATLANTA, GEORGIA

U. S. ARMY
ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

TRAINING FACILITIES AUGMENTATION

CONTROL TOWER ELEVATION & SECTIONS

FORT BENNING — GEORGIA

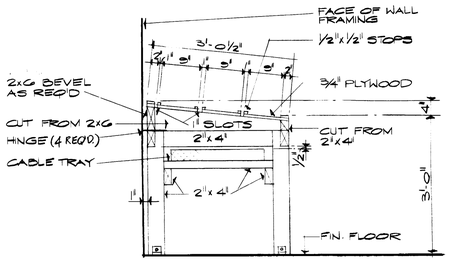
SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA21-81-B-0023	BEN-84-02-03	A-15

SCALE: AS SHOWN — SHEET 66

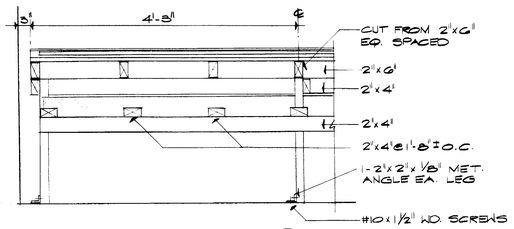
65

SAV 10643

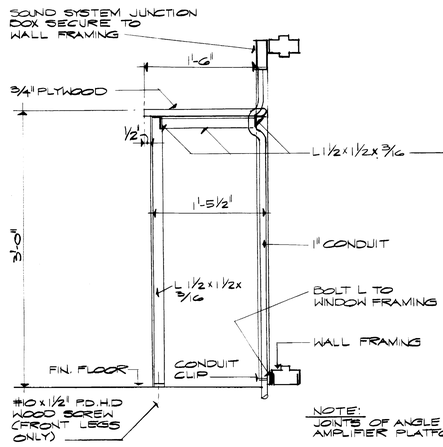
FORMAT #6



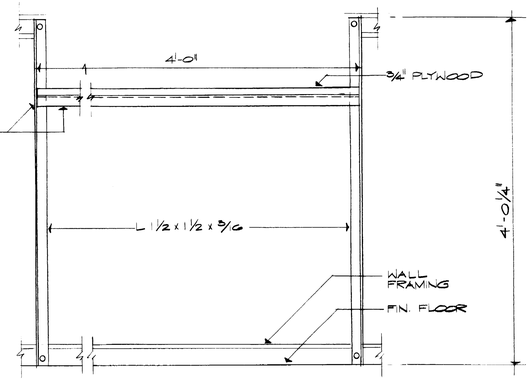
SECTION 1 A16|A16



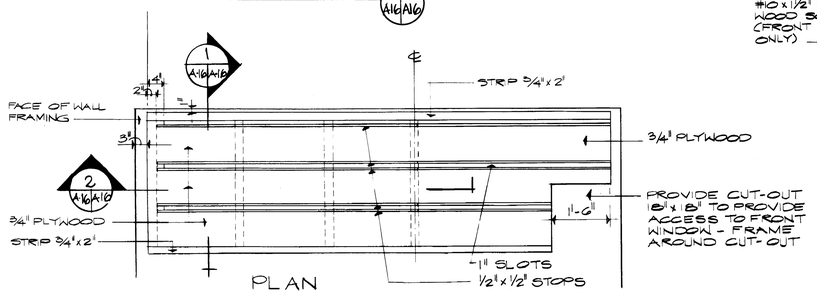
SECTION 2 A16|A16



SECTION 3 A16|A16



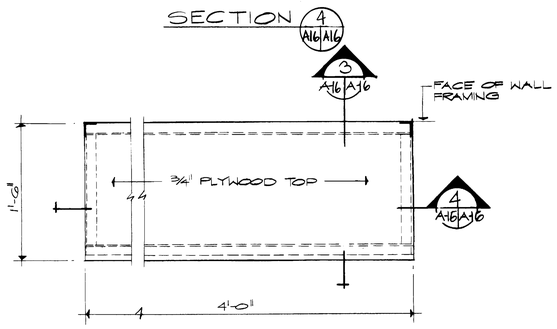
NOTE:
JOINTS OF ANGLE FRAMING FOR AMPLIFIER PLATFORM SHALL BE WELDED



NOTE:
ALL WOOD TO BE STAINED

CONTROL BENCH DETAILS (OMIT @ TOWERS W/CONSOLES)

3/4" = 1'-0"



FOR LOCATION OF AMPLIFIER PLATFORM SEE PLATE A-14

AMPLIFIER PLATFORM

1 1/2" = 1'-0"

NOTE:
ALL WOOD TO BE STAINED - COLOR TO BE SELECTED BY RANGE CONTROL

SCALE: 3/4"= 1'= 0"
12" 6" 0 1' 2'

SCALE: 1-1/2"= 1'-0"
12" 6" 0 1'

GRAPHIC SCALES

AS-BUILT
RECORD DRAWING

SYMBOL	ZONE	DESCRIPTION	DATE	BY

REVISIONS

ALSBROOKS & ASSOCIATES, INC.
ARCHITECTS / PLANNERS
ATLANTA, GEORGIA

U. S. ARMY
ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

TRAINING FACILITIES AUGMENTATION

CONTROL TOWER
SECTIONS & DETAILS

FORT BENNING GEORGIA

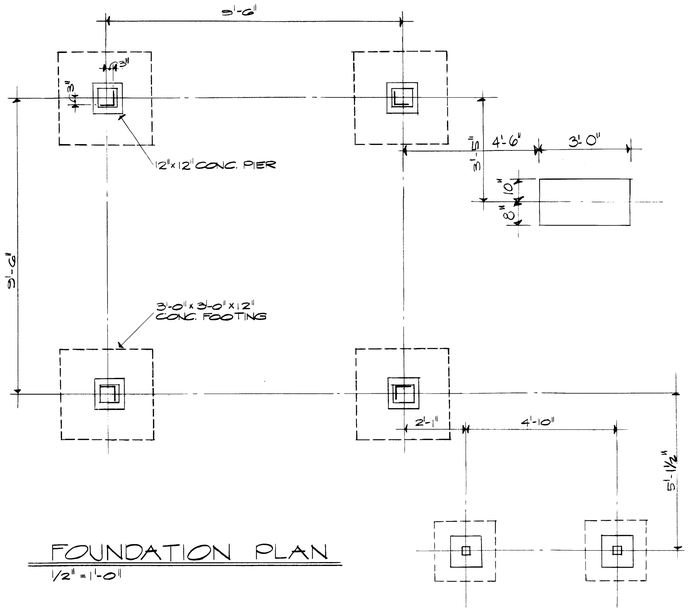
SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA21-81-B-0023	BEN-84-02-03	A-16

SCALE: AS SHOWN SHEET 67

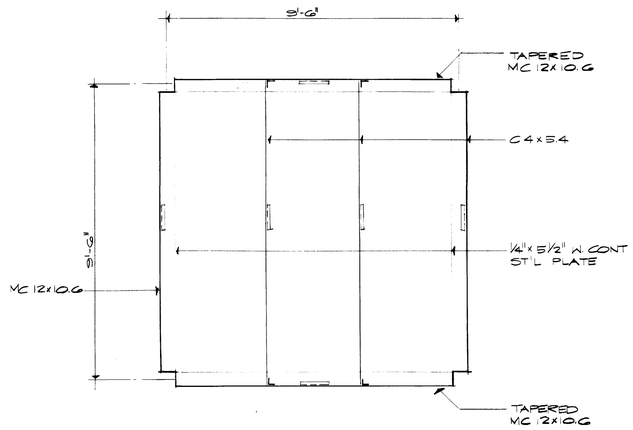
66

1 SAV 10644

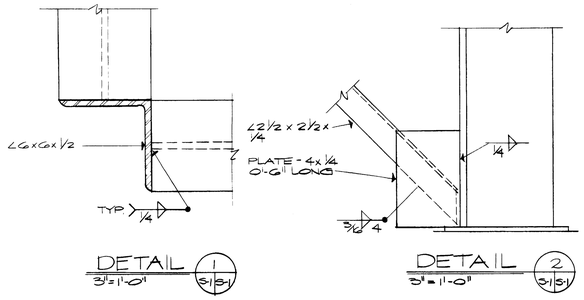
FORMAT #6



FOUNDATION PLAN
1/2" = 1'-0"

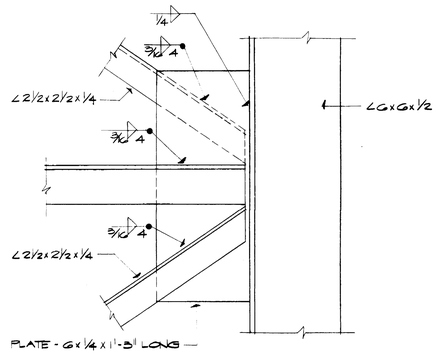


ROOF PLAN
1/2" = 1'-0"

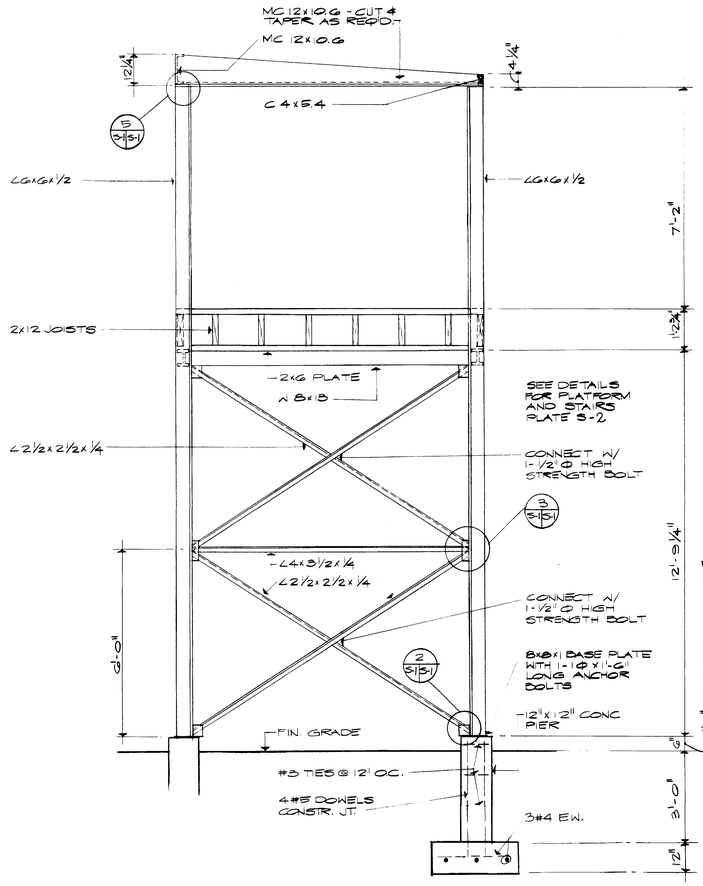


DETAIL 1 — 3"=1'-0" — S1|S1

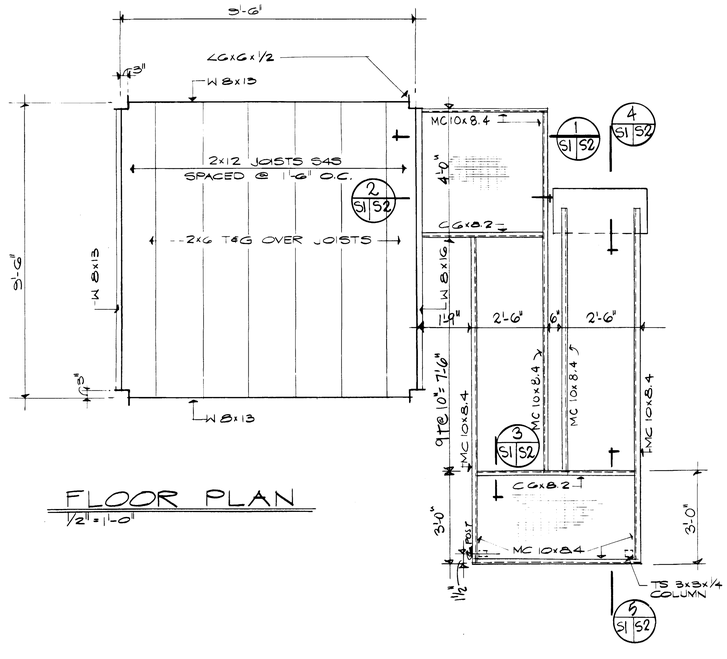
DETAIL 2 — 3"=1'-0" — S1|S1



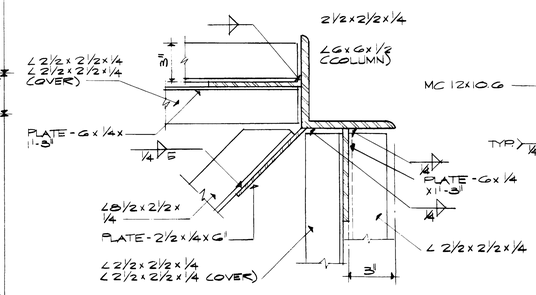
DETAIL 3 — 3"=1'-0" — S1|S1



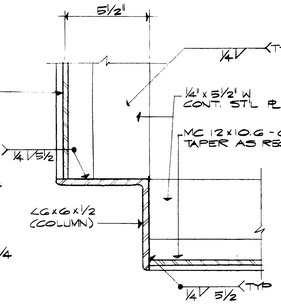
FRONT ELEVATION
1/2" = 1'-0"



FLOOR PLAN
1/2" = 1'-0"



SECTION 4 — S1|S1



DETAIL 5 — S1|S1

SCALE: 1/2"=1'-0"
12" 0 1' 2' 3' 4'

SCALE: 3"=1'-0"
6" 0 6" 1'

GRAPHIC SCALE

AS-BUILT RECORD DRAWING

SYMBOL	ZONE	DESCRIPTION	DATE	BY

REVISIONS

ALSBROOKS & ASSOCIATES, INC.
ARCHITECTS / PLANNERS
ATLANTA, GEORGIA

U. S. ARMY
ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

TRAINING FACILITIES AUGMENTATION

CONTROL TOWER FOUNDATION & FRAMING PLANS & DETAILS

FORT BENNING — GEORGIA

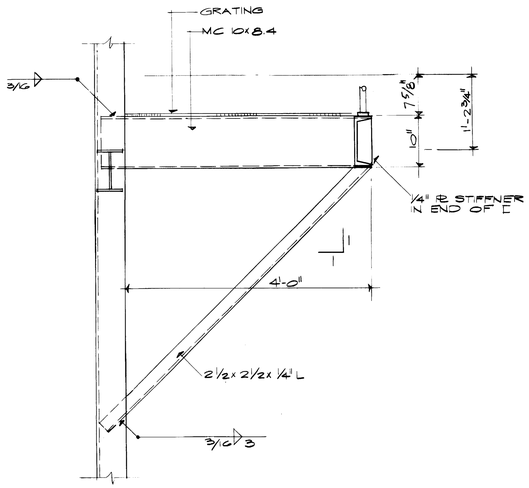
SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA21-84-02-03	BEN-84-02-03	S-1

SCALE: AS SHOWN — SHEET 68

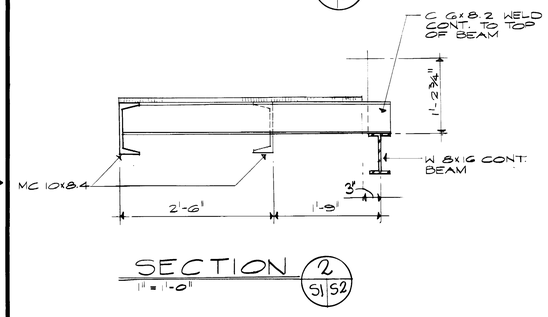
67

ISAY 10645

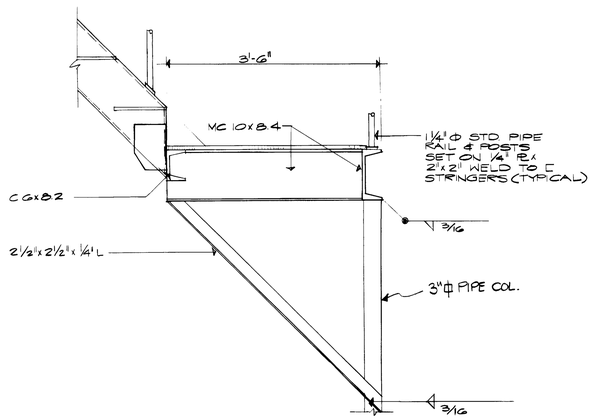
FORMAT #6



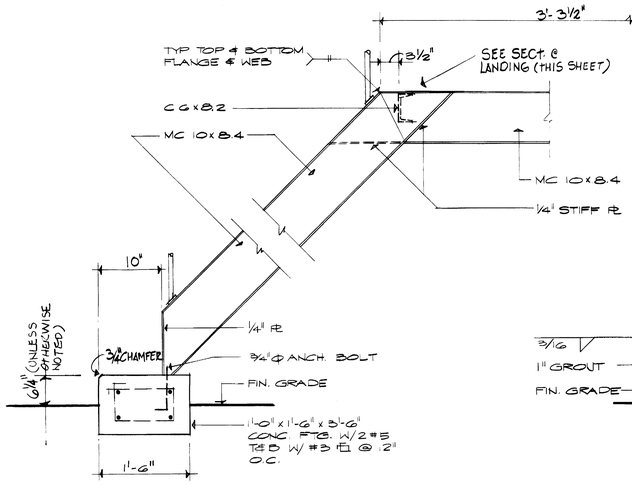
SECTION 1 (S1|S2)
1" = 1'-0"



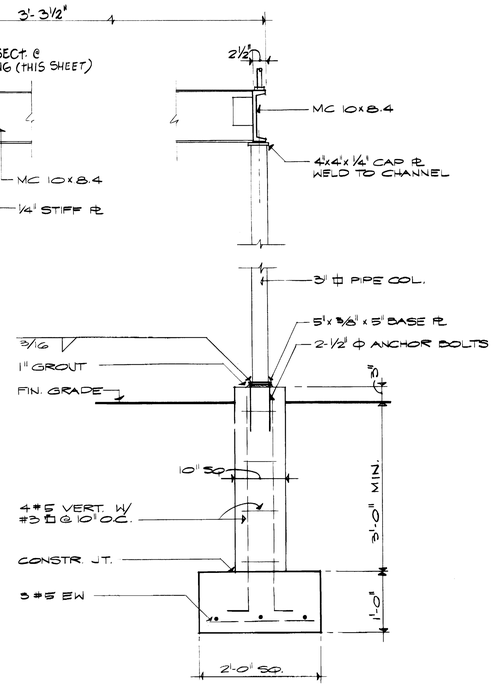
SECTION 2 (S1|S2)
1" = 1'-0"



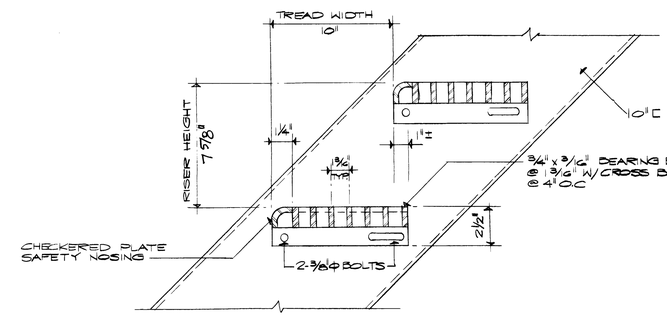
SECTION 3 (S1|S2)
1" = 1'-0"



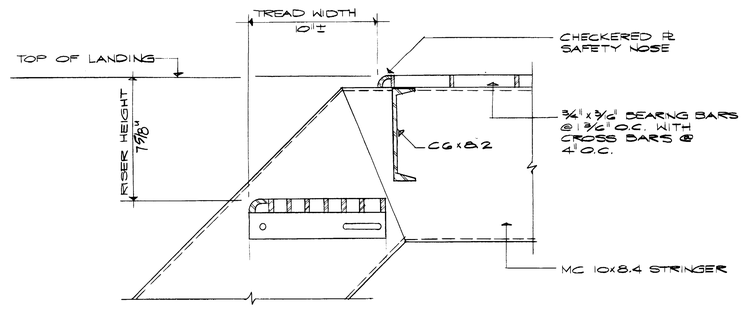
SECTION 4 (S1|S2)
1" = 1'-0"



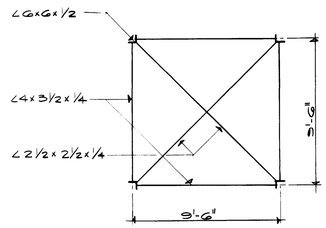
SECTION 5 (S1|S2)
1" = 1'-0"



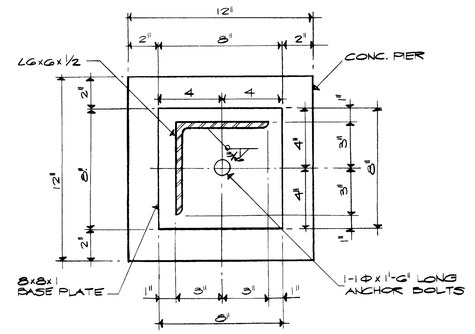
TYPICAL STAIRWAY SECTION
SCALE: 3" = 1'-0"



TYPICAL SECTION @ LANDING
SCALE: 3" = 1'-0"



BRACING PLAN
BELOW FLOOR LEVEL
1/4" = 1'-0"



BASE PLATE DETAIL
3" = 1'-0"

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

GRAPHIC SCALES

AS-BUILT
3 AUG 1983
RECORD DRAWING

SYMBOL	ZONE	DESCRIPTION	DATE	BY
		REVISIONS		

ALSBROOKS & ASSOCIATES, INC.
ARCHITECTS / PLANNERS
ATLANTA, GEORGIA

U. S. ARMY
ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

TRAINING FACILITIES AUGMENTATION
CONTROL TOWER
STRUCTURAL DETAILS

FORT BENNING — GEORGIA

SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA21-81-B-0023	BEN-84-02-03	S-2

SCALE: AS SHOWN — SHEET 69

68

I SAY 10646

FORMAT #6

PANEL A — VOLTAGE 120/240 — TYPE (A) — TYPE MAINS I — 200 AMP W/200/2 MAIN BKR.

DEVICE AMPS TRIP	DEVICE POLES	DEVICE CLASS OR RATING	BRANCH CIRCUIT DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS) ØA	ØB	NO.	BRANCH CIRCUIT VOLT-AMPS	BRANCH CIRCUIT DESIGNATION	DEVICE AMPS TRIP	DEVICE POLES	DEVICE CLASS OR RATING
20	1	12a	LIGHTS	150	1	510		2	360	RECEPTACLES	20	1	12a
20	2	12b	ELECTRIC HEATER	3000	2	1500	1500	4	200	AMPLIFIER RECEPT.	20	1	12a
20	1	12a	SPARE		5			6		SPARE	20	1	12a
			SPACE		7			8		SPACE			
			SPACE		9			10		SPACE			
			SPACE		11			12		SPACE			
			SPACE		13			14		SPACE			
TOTAL				2010		1500							

PANEL A — VOLTAGE 120/240 — TYPE (B) — TYPE MAINS I — 200 AMP W/200/2 MAIN BKR.

DEVICE AMPS TRIP	DEVICE POLES	DEVICE CLASS OR RATING	BRANCH CIRCUIT DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS) ØA	ØB	NO.	BRANCH CIRCUIT VOLT-AMPS	BRANCH CIRCUIT DESIGNATION	DEVICE AMPS TRIP	DEVICE POLES	DEVICE CLASS OR RATING
20	1	12a	LIGHTS	250	1	610		2	360	RECEPTACLES	20	1	12a
20	2	12b	ELECTRIC HEATER	3000	3	1500	1500	4	200	AMPLIFIER RECEPT.	20	1	12a
30	2	26	CONTROL BOOTH SUPPLY	2800	5	3600		6	2800	CONTROL BOOTH SUPPLY	30	2	12b
30	2	26	" " "	2800	7		3600	8	2800	" " "	30	2	12b
30	2	26	" " "	2800	9	3600		10	2800	" " "	30	2	12b
30	2	26	" " "	2800	11		3600	12	2800	" " "	30	2	12b
30	2	26	SPARE		13	2800		14	2800	" " "	30	2	12b
20	1	12a	SPARE		15			16		SPARE	30	2	12a
20	1	12a	SPARE		17			18		SPARE	20	1	12a
			SPACE		19			20		SPACE			
TOTAL				16,110		12,700							

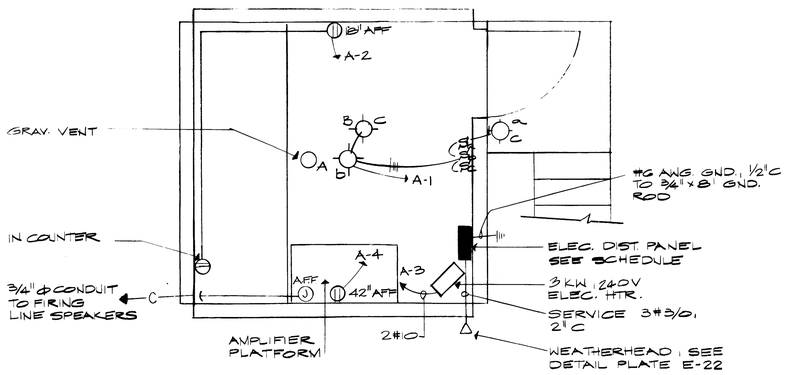
PANEL A — VOLTAGE 120/240 — TYPE (C) — TYPE MAINS I — 200 AMP W/200/2 MAIN BKR.

DEVICE AMPS TRIP	DEVICE POLES	DEVICE CLASS OR RATING	BRANCH CIRCUIT DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS) ØA	ØB	NO.	BRANCH CIRCUIT VOLT-AMPS	BRANCH CIRCUIT DESIGNATION	DEVICE AMPS TRIP	DEVICE POLES	DEVICE CLASS OR RATING
20	1	12a	LIGHTS	150	1	510		2	360	RECEPTACLES	20	1	12a
20	2	12b	ELECTRIC HEATER	3200	3	1500	1500	4	200	AMPLIFIER RECEPT.	20	1	12a
20	1	12a	TARGETS CONTROL	100	5	100		6		SPARE	20	1	12a
20	1	12a	SPARE		7			8		SPARE	20	1	12a
30	2	12b	TARGETS	5600	9	11,200		10	5600	TARGETS	30	2	12b
30	2	12b	TARGETS	5600	11		11,200	12	5600	TARGETS	30	2	12b
30	2	12b	TARGETS	5600	13	11,200		14	5600	TARGETS	30	2	12b
			SPACE		15		5600	16	5600	*TARGETS	30	2	12b
			SPACE		17			18		SPACE			
			SPACE		19			20		SPACE			
TOTAL				24,950		18,300							

*OMIT BREAKER & SUBSTITUTE SPACE @ PANEL FOR ENGLISH RANGE

PANEL A — VOLTAGE 120/240 — TYPE (D) — TYPE MAINS I — 100 AMP W/100/2 MAIN BKR.

DEVICE AMPS TRIP	DEVICE POLES	DEVICE CLASS OR RATING	BRANCH CIRCUIT	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS) ØA	ØB	NO.	BRANCH CIRCUIT VOLT-AMPS	BRANCH CIRCUIT DESIGNATION	DEVICE AMPS TRIP	DEVICE POLES	DEVICE CLASS OR RATING
20	1	12a	LIGHTS	150	1	510		2	360	RECEPTACLES	20	1	12a
20	2	12b	ELEC. HEATER	3000	3	1500	1500	4	200	AMPLIFIER RECEPT.	20	1	12a
20	1	12a	SPARE		5			6		SPARE	20	1	12a
20	1	12a	CONTROL CONSOL SUP.	500	7		500	8		SPARE	20	1	12a
20	2	12b	M-31A1 TARGETS *		9	875	875	10	1000	RANGE FLOODLIGHTS	20	1	12a
20	2	12b	M-31A1 TARGETS *		11	650	650	12	1000	" " "	20	1	12a
					13			14	1000	" " "	20	1	12a
					15			16					
					17			18					
					19			20					
*HILL 505 ONLY			TOTAL			2010	2000						



CONTROL TOWER TYPE B

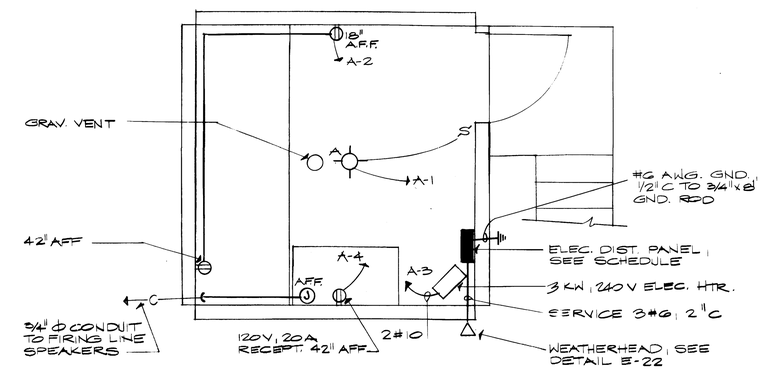
1/2" = 1'-0"

WAGNER

NOTES FOR ALL NEW CONTROL TOWERS:

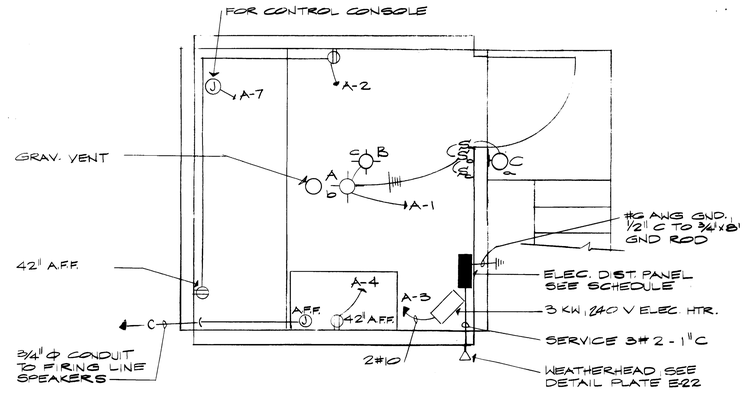
1-ELECT. UNIT HTR. TO BE PROVIDED W/ CLG. MTO. BRACKET & LINE VOLTAGE THERMOSTAT W/ REMOVABLE KNOB (THERMOSTAT TO BE MTD. OUT OF DISCHARGE AIR STREAM OF HEATER).

2-GRAVITY VENTILATOR TO BE 12" ϕ THROAT, .78 SF WITH TYPE 2 BASE SLOPE TO MATCH ROOF SLOPE - & DAMPER - SEE PLATE A-14.



CONTROL TOWER TYPE A

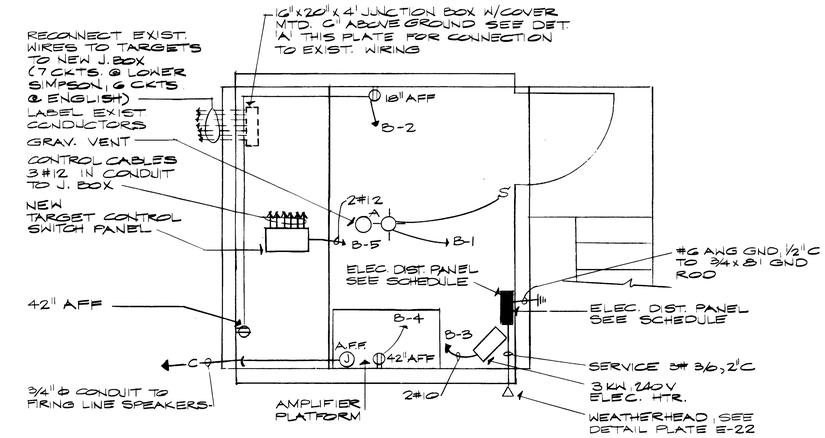
UPPER SIMPSON
ROOSEVELT



CONTROL TOWER TYPE D

1/2" = 1'-0"

SOUTH GALLOWAY
NORTH GALLOWAY
HILL 505
NORTH RUTH



CONTROL TOWER TYPE C

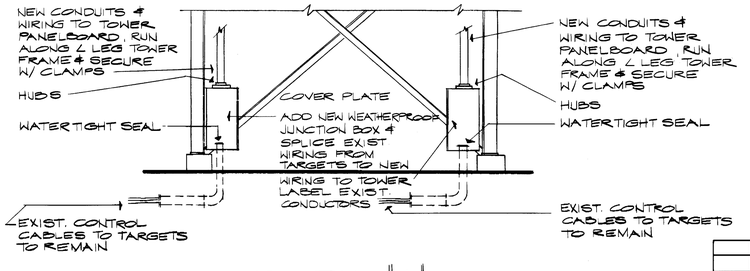
1/2" = 1'-0"

LOWER SIMPSON RANGE
ENGLISH RANGE

LOWER SIMPSON RANGE - SEE DWG. 28-13-105 SHEET 13 FOR INFORMATION ON POWER & CONTROL WIRING SIZE & DETAILS (RECORD FIRING RANGE)

ENGLISH RANGE - SEE DWG. 28-13-105 SHEET 11 FOR INFORMATION ON POWER & CONTROL WIRING SIZE & DETAILS (FIELD FIRING RANGE)

CONTRACTOR SHALL PROVIDE NEW CONTROL SWITCH PANEL



DETAIL "A"

SCALE 1/2" = 1'-0"

12" 0 1' 2' 3' 4'

GRAPHIC SCALE

AS-BUILT RECORD DRAWING

SYMBOL	ZONE	DESCRIPTION	DATE	BY
		REVISIONS		

ALSBROOKS & ASSOCIATES, INC. ARCHITECTS/PLANNERS ATLANTA, GEORGIA

U. S. ARMY ENGINEER DISTRICT, SAVANNAH CORPS OF ENGINEERS SAVANNAH, GEORGIA

TRAINING FACILITIES AUGMENTATION

CONTROL TOWER

FORT BENNING — GEORGIA

SIZE	INVITATION NO.	DRAWING NO.	PLATE
F	DACA21-81-B-0023	BEN-84-02-03	E-21

SCALE: AS SHOWN — SHEET 97

96

ISAY 10674

FORMAT #8