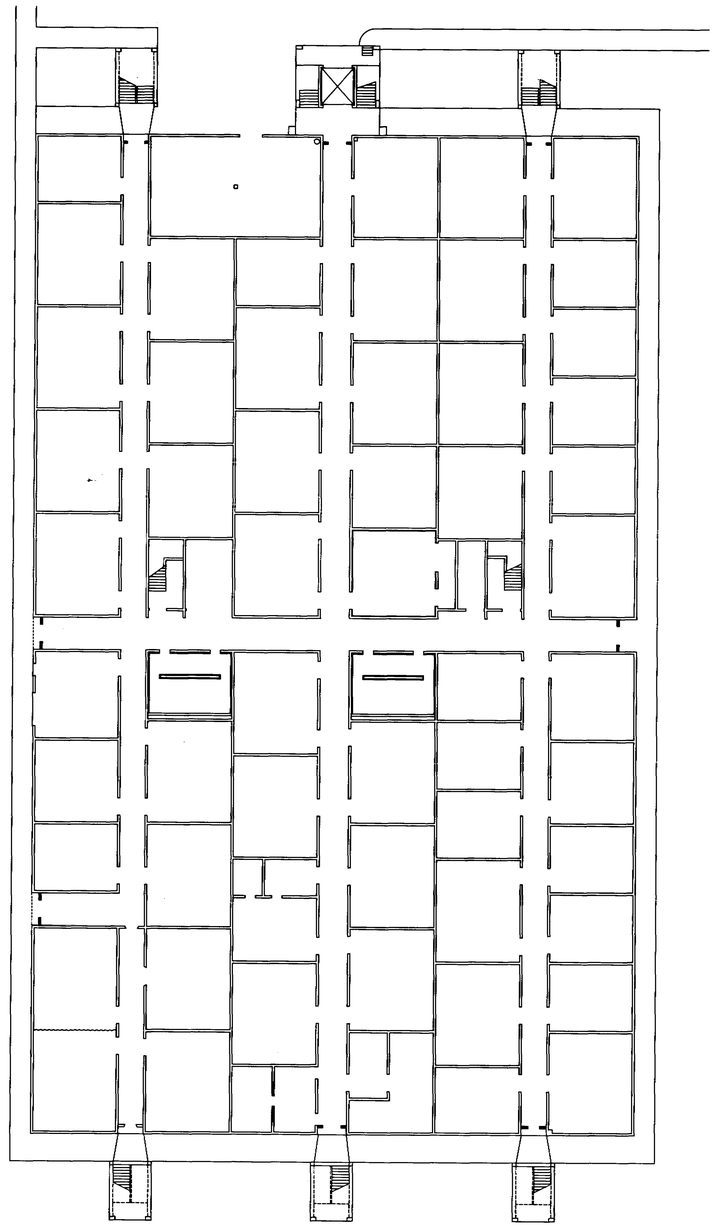
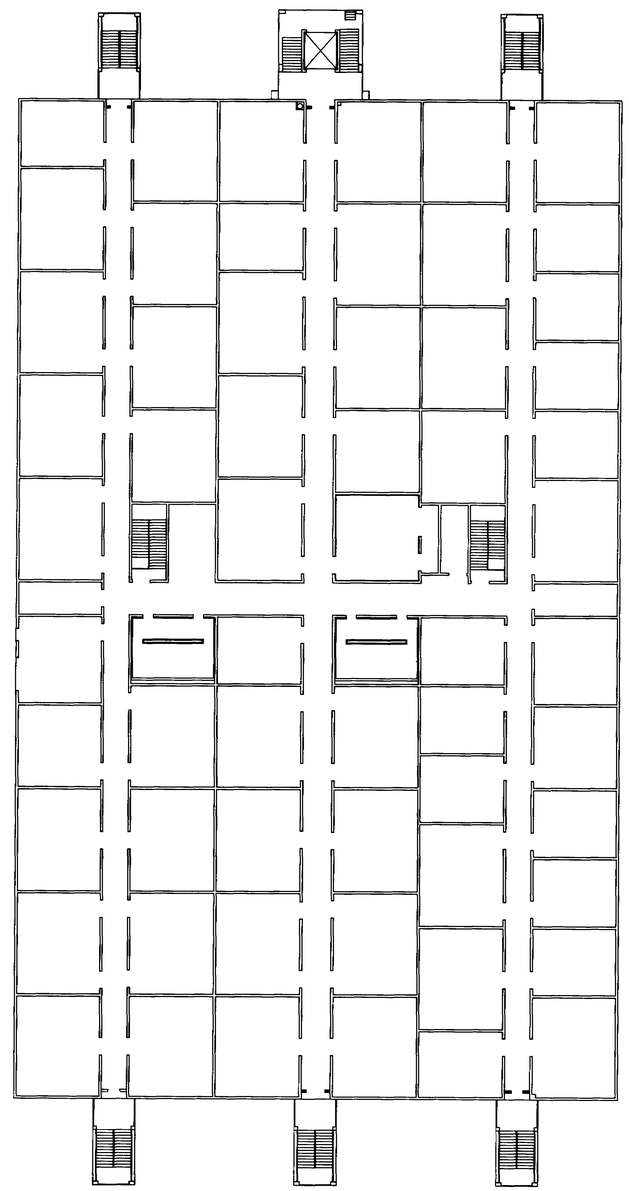


FIRST FLOOR PLAN
1/16" = 1'-0"



SECOND FLOOR PLAN
1/16" = 1'-0"

GRAPHIC SCALE
12'0' 10' 20' 30' 40' 50'
SCALE: 1/16" = 1'-0"

REVISION	DATE		DRAWN	APPROVED

LIMITED STATES AIR FORCE — AIR EDUCATION AND TRAINING COMMAND

KEESLER AIR FORCE BASE
BILOXI — MISSISSIPPI
OFFICE OF CIVIL ENGINEERS

BUILDING 6902

SUBMITTED: (Chief of Contracts Design) — RECOMMENDED: (Chief of Engineering) — APPROVED: (Deputy Civil Engineer)
DESIGNED: CLARENCE H. VAUGHAN, P.E. — CHECKED: — DRAWN: — DATE:
SCALE: 1/16"=1'-0" — PROJECT NUMBER: — DRAWING NUMBER: — SHEET ____ OF ____
WILLIAM J. FORD, P.E.

Gulf-Coast Associates, Inc.
PROJECT No. 3082-03

CWA PROJECT NO.	3082-03
CWD FILE	6902
LAST REVISION	10-18-94
PLOT DATE	10-18-94
PLOT SCALE	1=192

C:\KEESLER\ARCH\6902 Tue Oct 18 11:20:02 1994

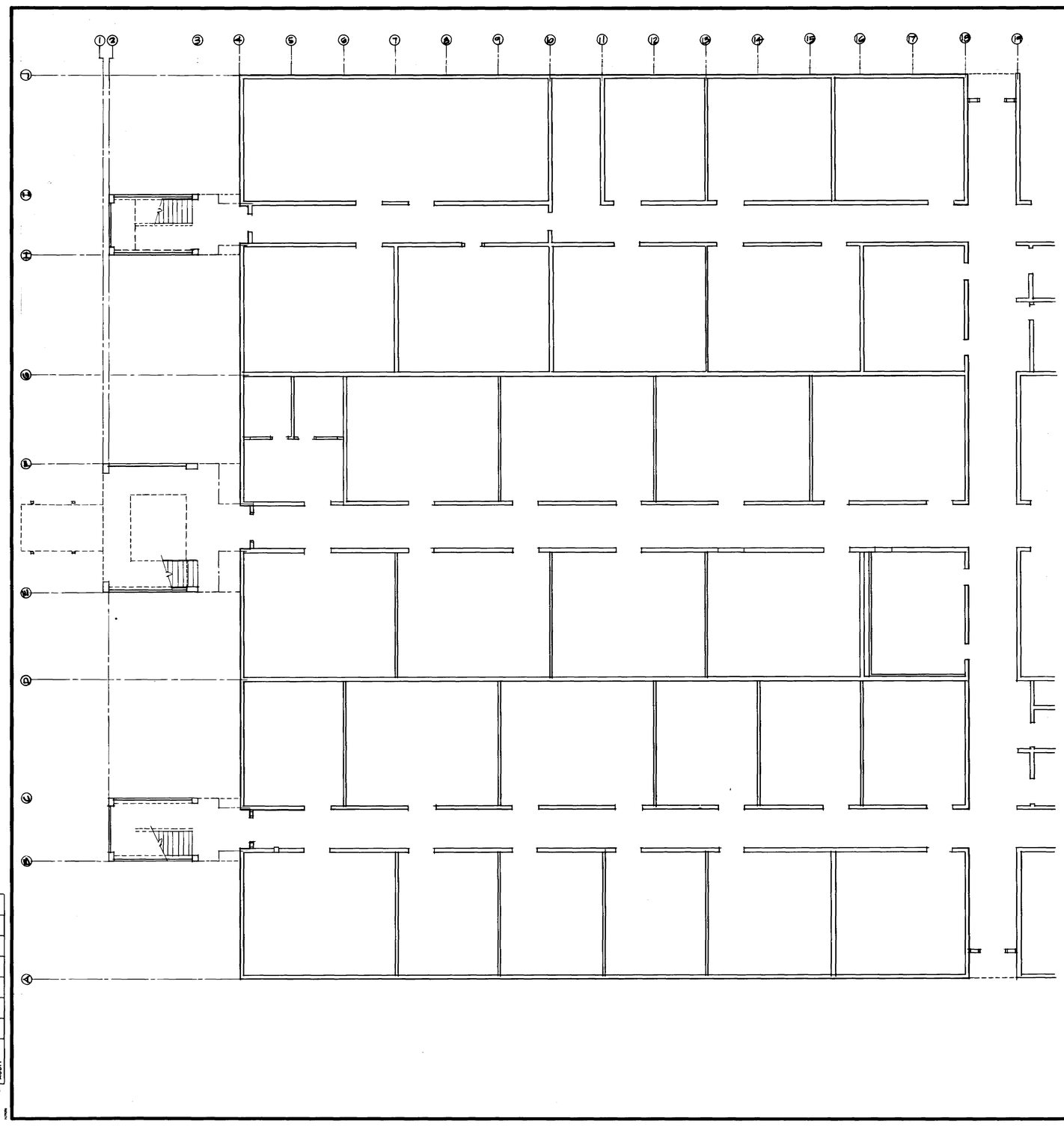
6902.DWG

DRAWING NUMBER
PLAN-PROJECT COORDINATION — BAYAR CALIFORNIA
WORKSHOP & NUMBER-CITY-PLAN

DRAWING NUMBER
PLAN-PROJECT COORDINATION — BAYAR CALIFORNIA
WORKSHOP & NUMBER-CITY-PLAN

DRAWING NUMBER
PLAN-PROJECT COORDINATION — BAYAR CALIFORNIA
WORKSHOP & NUMBER-CITY-PLAN

DRAWING NUMBER
6902
PLAN-PROJECT COORDINATION — BAYAR CALIFORNIA
WORKSHOP & NUMBER-CITY-PLAN



GRAPHIC SCALE

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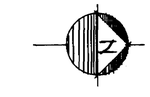

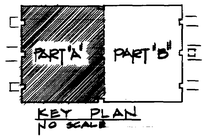

KEY PLAN
NO SCALE

- ☐ THIS PROJECT DOES NOT CONTAIN ASBESTOS MATERIAL IN THE CONSTRUCTION AREA.
- ☐ THIS PROJECT **DOES CONTAIN ASBESTOS** MATERIAL IN THE CONSTRUCTION AREA THAT WILL BE REMOVED BY: _____
- ☐ THIS PROJECT DOES NOT CONTAIN PCB MATERIAL IN THE CONSTRUCTION AREA.
- ☐ THIS PROJECT **DOES CONTAIN PCB** MATERIAL IN THE CONSTRUCTION AREA THAT WILL BE REMOVED BY: _____

SYMBOL	DESCRIPTION	DATE	APPROVAL

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

SAN ANTONIO REAL PROPERTY MAINTENANCE AGENCY

SAN ANTONIO, TEXAS

DRAWN BY
CHECKED BY
PROJECT ENGINEER
RECOMMENDED
SECTION CHIEF
RECOMMENDED
CHIEF, ENGR. DESIGN BR.

KEESLER A.F.B., MISS.

~~EMERGENCY LIGHTS AND PA SYSTEM,~~
~~SHELTER BUILDING~~
~~BUILDING~~ BLANK FLOOR PLAN

FIRST FLOOR ~~LIGHTING AND POWER PLAN~~

FUNCTIONALLY APPROVED — DATE

STAFF CIVIL ENGINEER

APPROVED

CHIEF, ENGINEERING AND CONSTRUCTION DIVISION

DATE

SCALE 1/8" = 1'-0" — PROJ. NO. KE 86 080006

DRAWING NUMBER BLDG 690Z

IN SHEETS DATE — SHEET

DRAW TIME	
DRAWN BY	
ORIGINAL	
SCREEN	
AUDIT	

FOR DRAFTING USE ONLY

REVISED JUN 1986

DRAWING NUMBER

PLANTECO CORPORATION • SAN ANTONIO, TEXAS

RECORDS OF NAMES OFFICE

REVISED 1982 IN PAL IN THE 1981

DRAWING NUMBER

PLANTECO CORPORATION • SAN ANTONIO, TEXAS

RECORDS OF NAMES OFFICE

REVISED 1982 IN PAL IN THE 1981

DRAWING NUMBER

PLANTECO CORPORATION • SAN ANTONIO, TEXAS

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REVISED 1982 IN PAL IN THE 1981

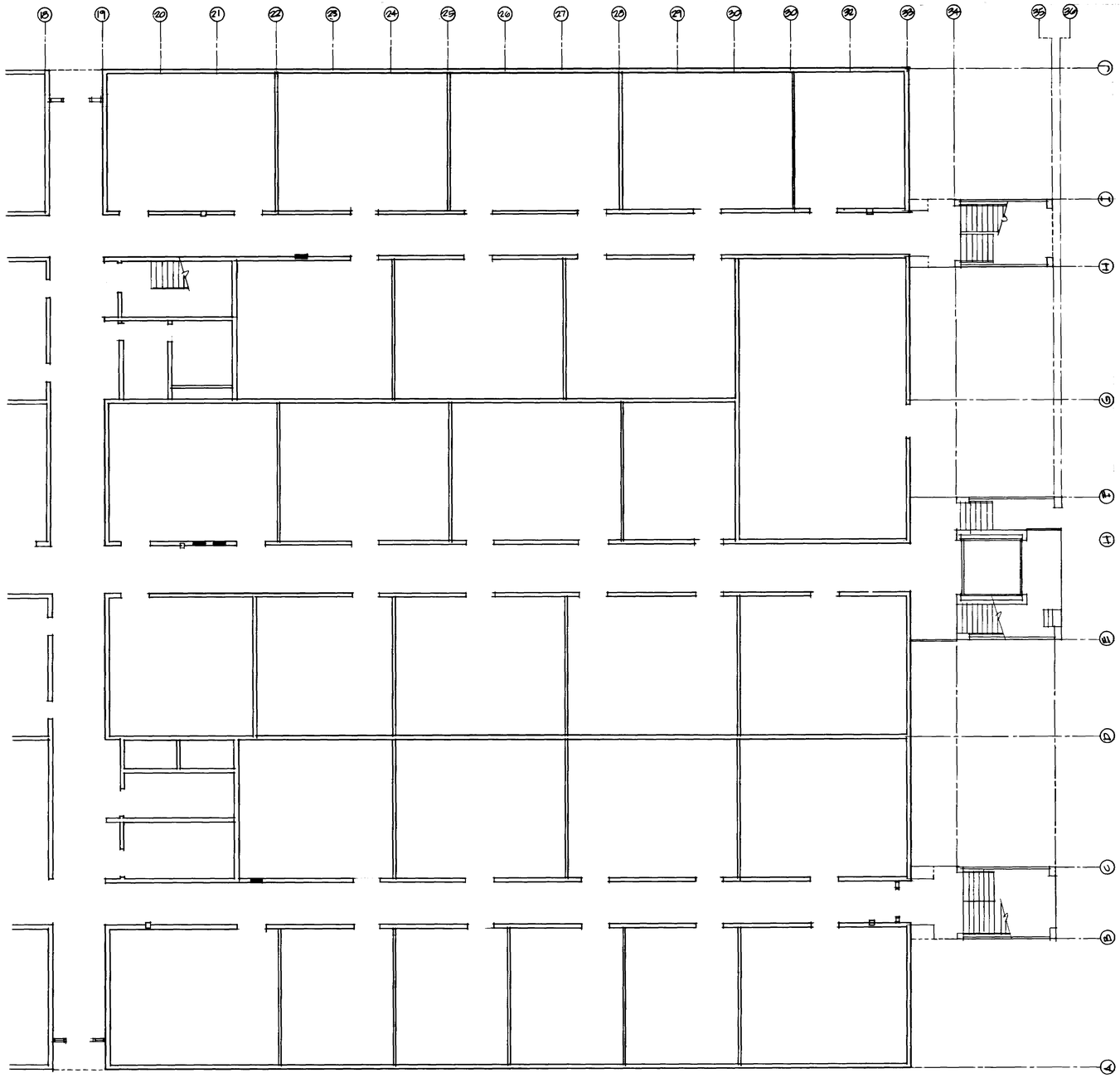
DRAWING NUMBER

PLANTECO CORPORATION • SAN ANTONIO, TEXAS

RECORDS OF NAMES OFFICE

REVISED 1982 IN PAL IN THE 1981

002 W 16



GRAPHIC SCALE

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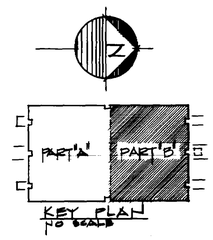

KEY PLAN
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SYMBOL	DESCRIPTION	DATE	APPROVAL

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

SAN ANTONIO REAL PROPERTY MAINTENANCE AGENCY

SAN ANTONIO, TEXAS

DRAWN BY
CHECKED BY
PROJECT ENGINEER
RECOMMENDED
SECTION CHIEF
RECOMMENDED
CHIEF, ENGR. DESIGN BR.
APPROVED
CHIEF, ENGINEERING AND CONSTRUCTION DIVISION
DATE

KEESLER A.F.B., MISS.

~~EMERGENCY LIGHTS AND PA SYSTEM,~~
~~SHELTER BUILDING~~
~~BUILDING~~ BLANK FLOOR PLAN

FIRST FLOOR ~~LIGHTING AND POWER PLAN~~

FUNCTIONALLY APPROVED — DATE
STAFF CIVIL ENGINEER

SCALE 1/8" = 1'-0" — PROJ. NO KE 86-0800GG

DRAWING NUMBER BLDG 6902

IN SHEETS DATE SHEET

DRAWN TIME	
DRAWN BY	
ORIGINAL	
SCREEN	
AUDIT	

FOR DRAFTING USE ONLY

REVISED JUN 1986

DRAWING NUMBER

PLANT COORDINATES — ZONE CALIFORNIA

SCALE 1/8" = 1'-0" — NORTH

DRAWING NUMBER

PLANT COORDINATES — ZONE CALIFORNIA

SCALE 1/8" = 1'-0" — NORTH

DRAWING NUMBER

PLANT COORDINATES — ZONE CALIFORNIA

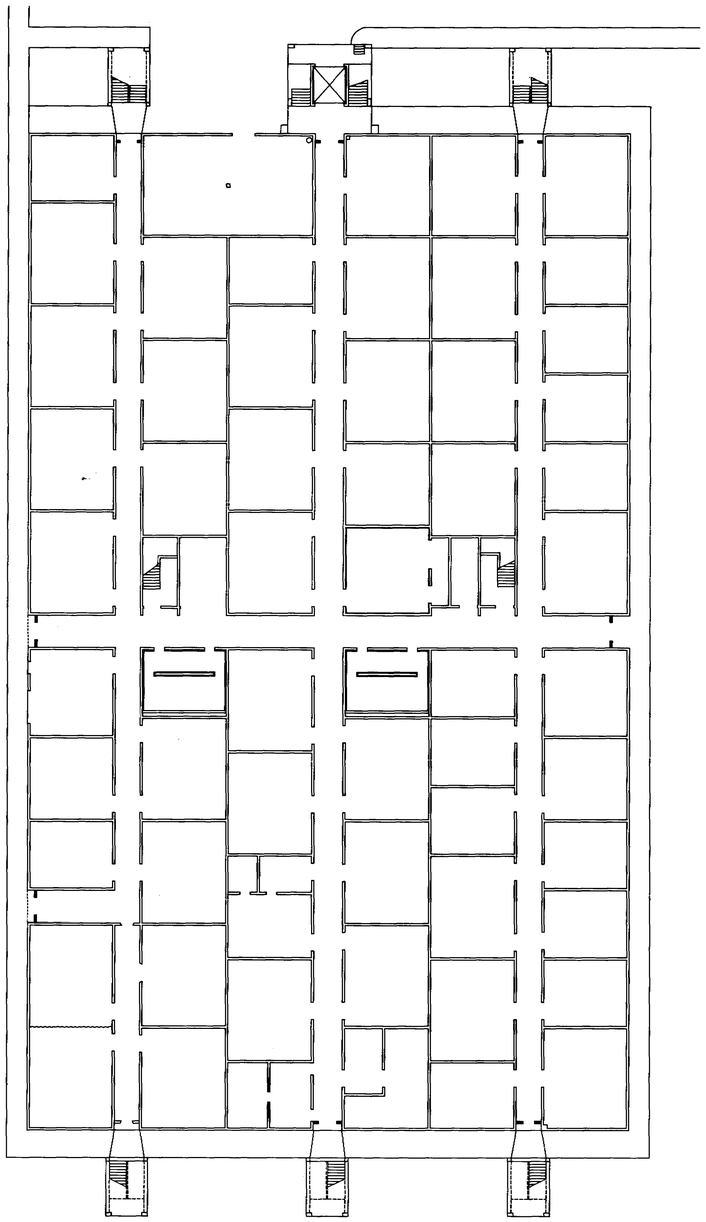
SCALE 1/8" = 1'-0" — NORTH

DRAWING NUMBER

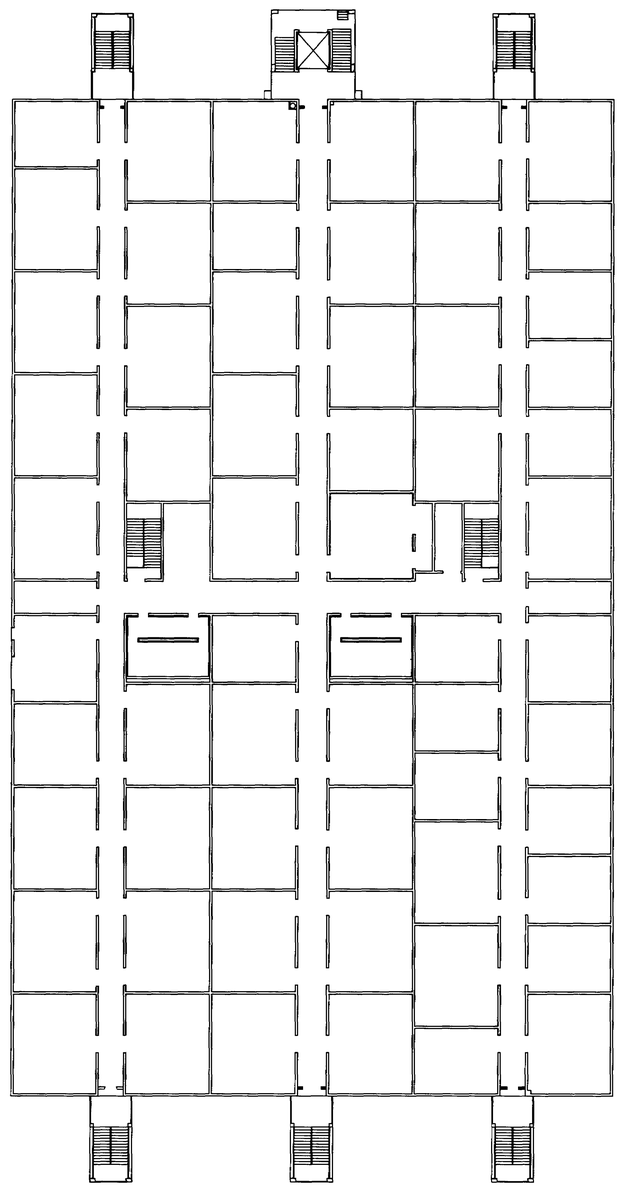
PLANT COORDINATES — ZONE CALIFORNIA

SCALE 1/8" = 1'-0" — NORTH

OMS for Ka



FIRST FLOOR PLAN
1/16" = 1'-0"



SECOND FLOOR PLAN
1/16" = 1'-0"

GRAPHIC SCALE
12'0" 10' 20' 30' 40' 50'
SCALE: 1/16" = 1'-0"

Cornell-Vogt Associates, Inc.
PROJECT N . 3082-03

REVISION	DATE	DRAWN	APPROVED

UNITED STATES AIR FORCE — AIR EDUCATION AND TRAINING COMMAND
KEESLER AIR FORCE BASE
BILDG: ——— MERIDIAN
OFFICE OF CIVIL ENGINEERS

BUILDING 6902

SUBMITTED: (Chief of Contracts Design) — CLARENCE H. VAUGHN, P.E.
RECOMMENDED: (Chief of Engineering) — DONALD KIMMIN, Major USAF
APPROVED: (Deputy Civil Engineer) — WILLIAM A. FORD, P.E.
DESIGNER: CHECKED: SCALE: 1/16"=1'-0" DRAWING NUMBER:
DRAWN: DATE: PROJECT NUMBER: SHEET ____ OF ____

CIVIL PROJECTION	3082-108
CAD FILE	6902
LAST REVISION	10-18-94
PLOT DATE	10-18-94
PLOT SCALE	1=192

C:\KEESLER\ARCH-R\6902 Tue Oct 18 11:20:02 1994

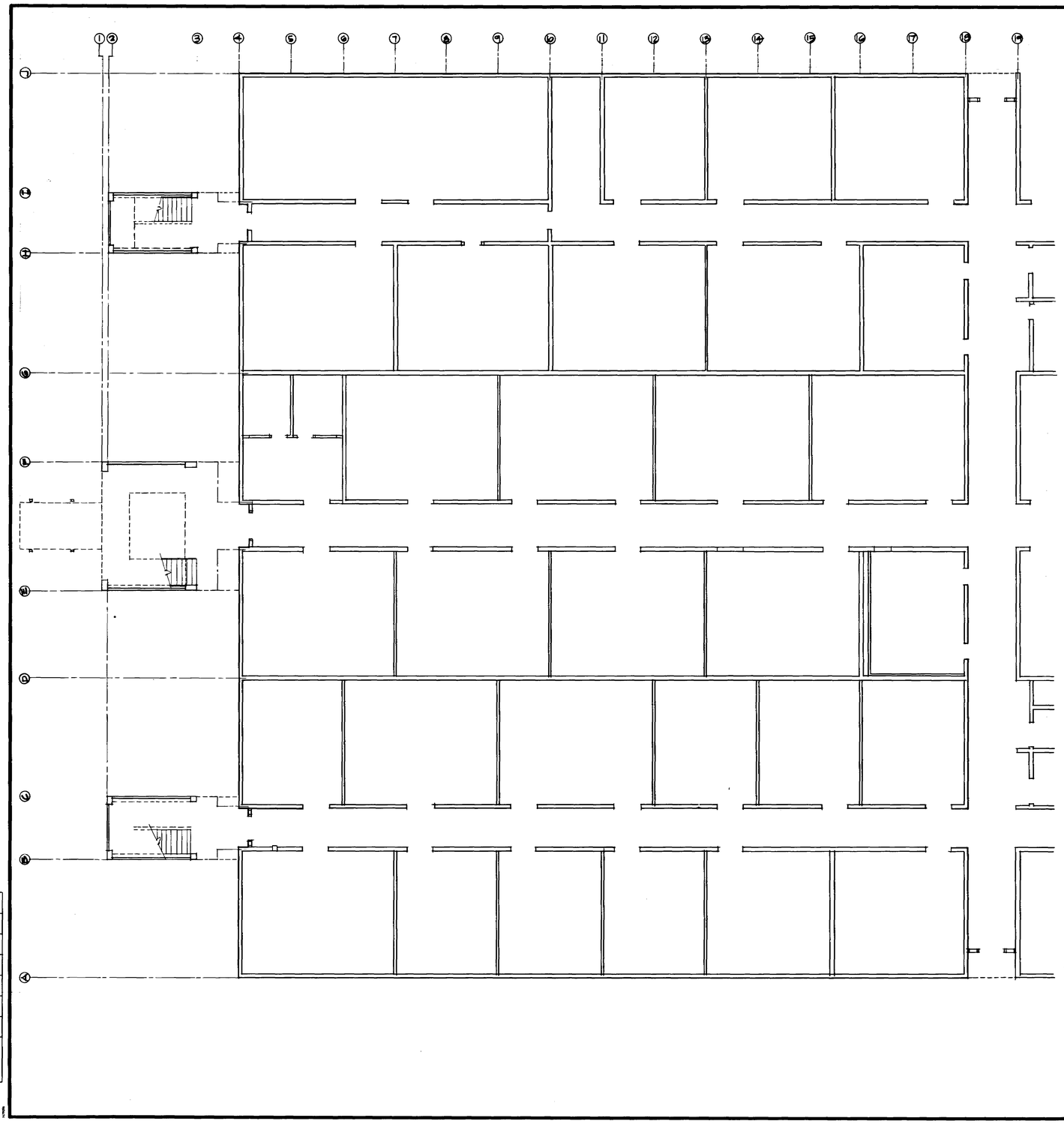
6902.DWG

DRAWING NUMBER
PLAN HOLD CORRECTION • RAME CALIFORNIA
MONTEREY HARBOR

DRAWING NUMBER
PLAN HOLD CORRECTION • RAME CALIFORNIA
MONTEREY HARBOR

DRAWING NUMBER
PLAN HOLD CORRECTION • RAME CALIFORNIA
MONTEREY HARBOR

DRAWING NUMBER
6902
PLAN HOLD CORRECTION • RAME CALIFORNIA
MONTEREY HARBOR



GRAPHIC SCALE

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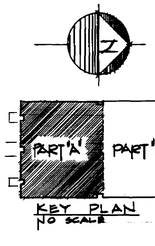

KEY PLAN
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SYMBOL	DESCRIPTION	DATE	APPROVAL

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

SAN ANTONIO REAL PROPERTY MAINTENANCE AGENCY

SAN ANTONIO, TEXAS

DRAWN BY
CHECKED BY
PROJECT ENGINEER
RECOMMENDED
SECTION CHIEF
RECOMMENDED
CHIEF, ENGR. DESIGN BR.
FUNCTIONALLY APPROVED — DATE
STAFF CIVIL ENGINEER
APPROVED
CHIEF, ENGINEERING AND CONSTRUCTION DIVISION
DATE

KEESLER A.F.B., MISS.

~~EMERGENCY LIGHTS AND RAC SYSTEM~~
~~SHELTER BUILDING~~
~~BUILDING~~ BLANK FLOOR PLAN
FIRST FLOOR ~~LIGHTING AND POWER PLAN~~

SCALE 1/8" = 1'-0" | PROJ. NO. KE 86 0800GG

DRAWING NUMBER BLDG 690E

IN SHEETS DATE SHEET

DRAW TIME	
DRAWN BY	
ORIGINAL	
SCREEN	
AUDIT	

FOR DRAFTING USE ONLY

REVISED JUN 1986

DRAWING NUMBER

PLANTICO CORPORATION • BURBANK, CALIFORNIA
REPORT OF PLANT NO. 1-1-1-1
PRINTED ON 8 PLANS IN 1 SET, 1 SET

DRAWING NUMBER

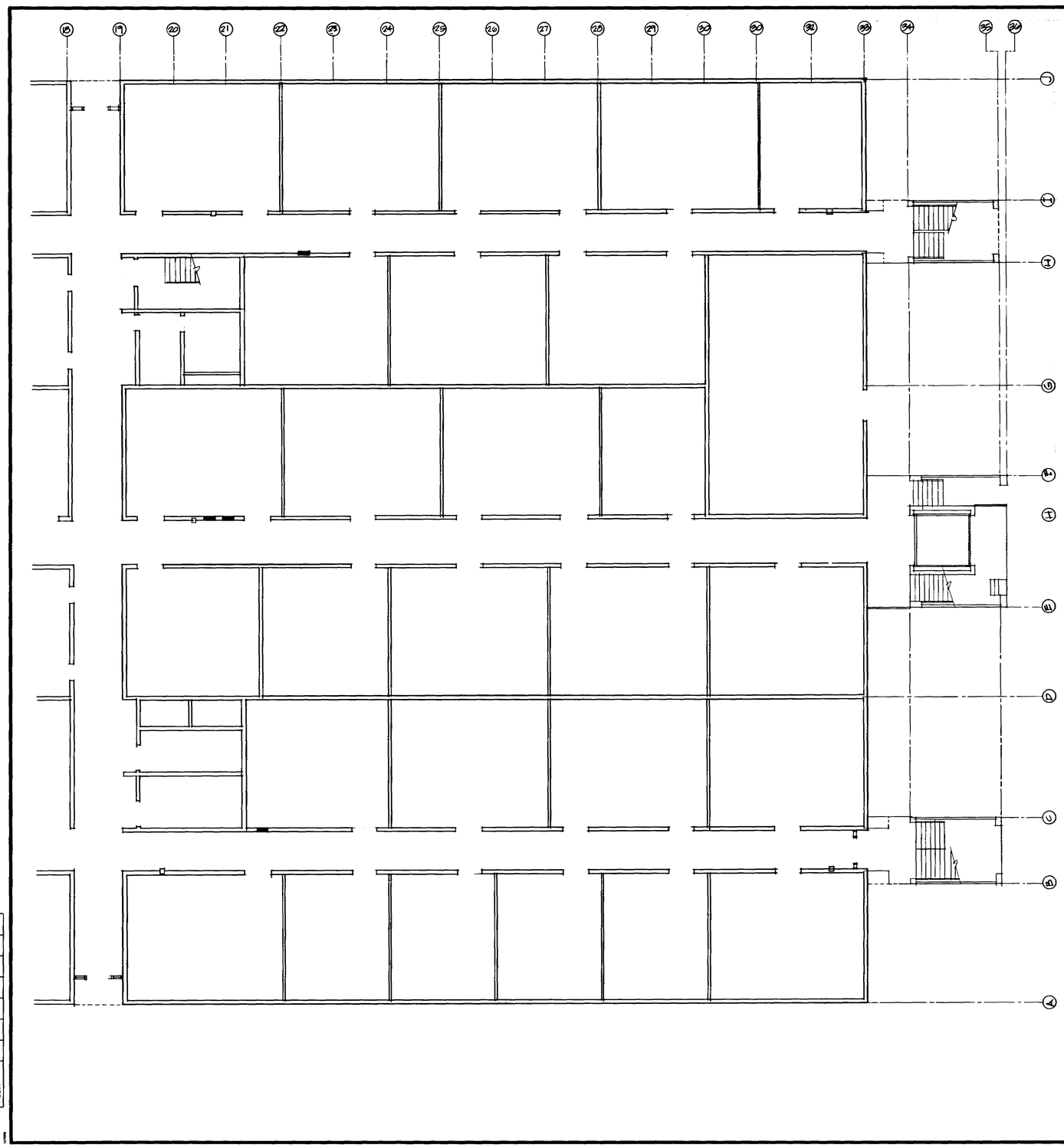
PLANTICO CORPORATION • BURBANK, CALIFORNIA
REPORT OF PLANT NO. 1-1-1-1
PRINTED ON 8 PLANS IN 1 SET, 1 SET

DRAWING NUMBER

PLANTICO CORPORATION • BURBANK, CALIFORNIA
REPORT OF PLANT NO. 1-1-1-1
PRINTED ON 8 PLANS IN 1 SET, 1 SET

DRAWING NUMBER

PLANTICO CORPORATION • BURBANK, CALIFORNIA
REPORT OF PLANT NO. 1-1-1-1
PRINTED ON 8 PLANS IN 1 SET, 1 SET



GRAPHIC SCALE

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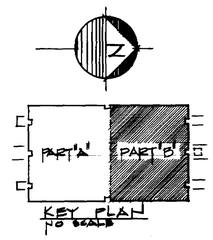

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SYMBOL	DESCRIPTION	DATE	APPROVAL

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

SAN ANTONIO REAL PROPERTY MAINTENANCE AGENCY
SAN ANTONIO, TEXAS

DRAWN BY
CHECKED BY
PROJECT ENGINEER
RECOMMENDED
SECTION CHIEF
RECOMMENDED
CHIEF, ENGR. DESIGN BR.
APPROVED
CHIEF, ENGINEERING AND CONSTRUCTION DIVISION
DATE

KEESLER A.F.B., MISS.

~~EMERGENCY LIGHTS AND PA SYSTEM,~~
~~SHELTER BUILDING~~
~~BUILDING~~ BLANK FLOOR PLAN

FIRST FLOOR ~~LIGHTING AND POWER PLAN~~

FUNCTIONALLY APPROVED — DATE
STAFF CIVIL ENGINEER

SCALE 1/8" = 1'-0" — PROJ. NO KE 86-0800GG
DRAWING NUMBER BLDG 6902
IN SHEETS DATE SHEET

DRAW TIME	
DRAWN BY	
ORIGINAL	
SCREEN	
AUDIT	

FOR DRAFTING USE ONLY

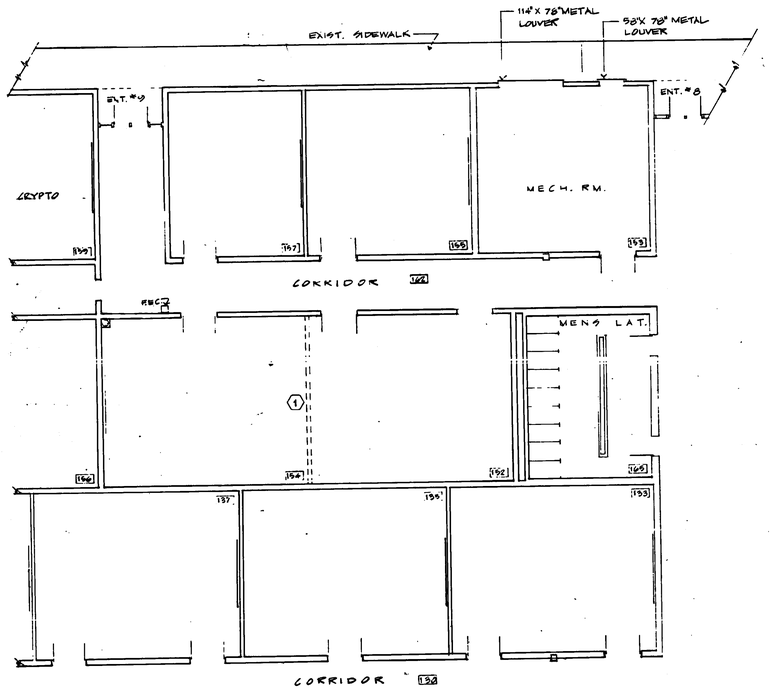
REVISED JUN 1986

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

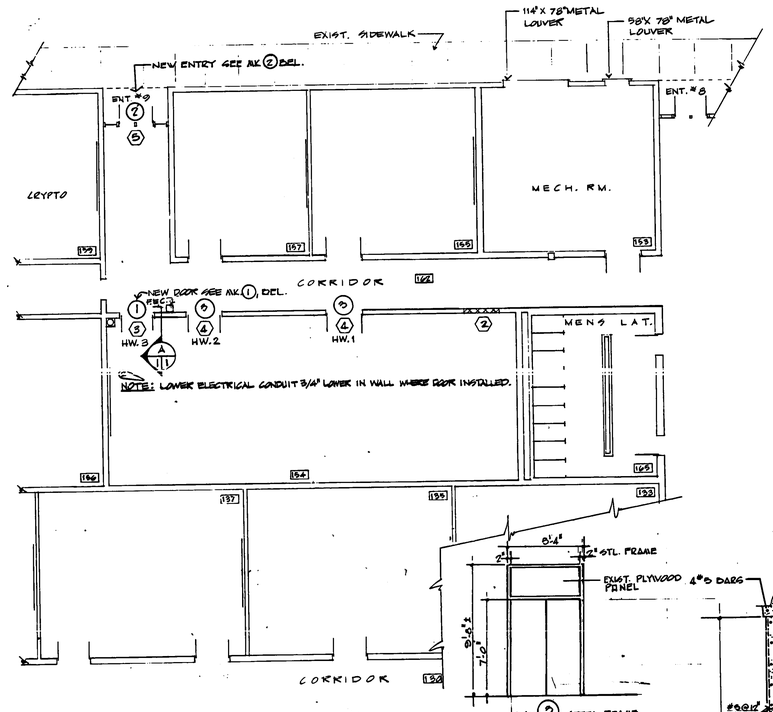
DRAWING NUMBER



FLOOR PLAN (EXISTING)

PARTIAL FIRST FLOOR ARCHITECTURAL

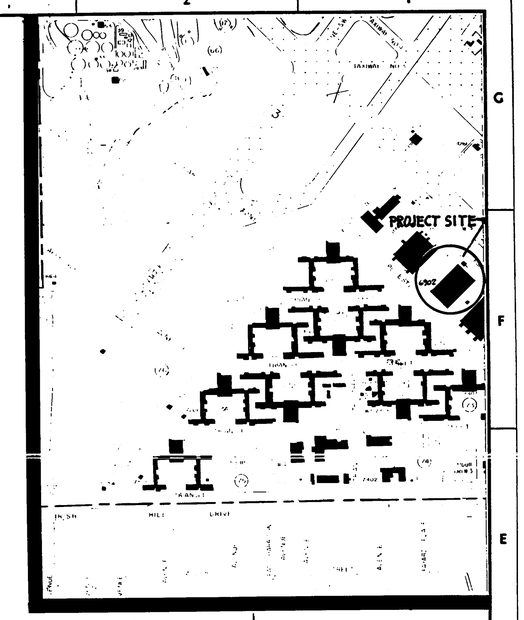
SCALE: 1/8" = 1'-0"



FLOOR PLAN (REQUIRED)

PARTIAL FIRST FLOOR ARCHITECTURAL

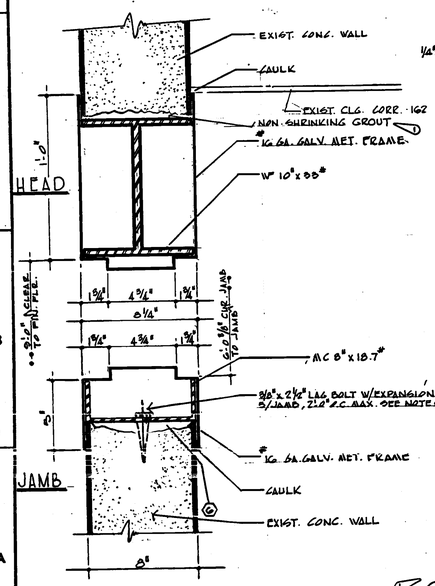
SCALE: 1/8" = 1'-0"



VICINITY MAP

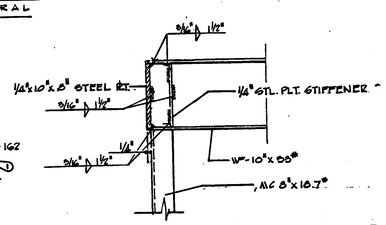
SCALE: 1" = 400'

NORTH



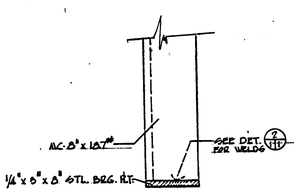
DETAIL

VIEW OF HEAD AND JAMB



SECTION

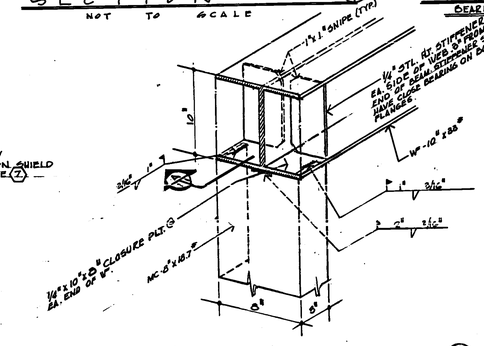
NOT TO SCALE



DETAIL

BEARING PLATE @ BOTT. OF CHANNEL

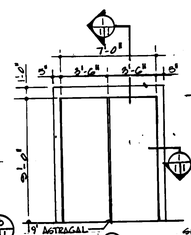
NOT TO SCALE



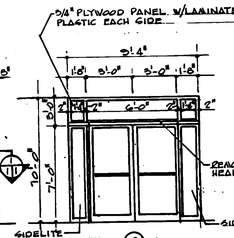
DETAIL

VIEW OF CONNECTION COMPLETE FRAME ASSY.

NOT TO SCALE

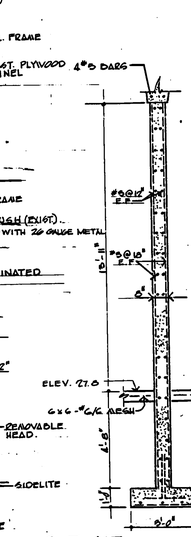


8'-6" x 9'-0" x 1 3/4" STL. DOOR, PLUSH, SECURITY DR., 2 PR. BUTTS EA. JAMB, FF-H-116C-TZ1AB, LOCKSET-FF-H-106G TYPE 15OYA.



2'-4" x 7'-0" GLASS DOOR W/SIDE LITES.

NOTE: INSTALL NEW #6 GAUGE FRAME REINSTALL EXISTING DOORS & HARDWARE. INSTALL NEW THRESHOLD TO MATCH EXISTING.



SECT

TYPICAL EXIST. WALL

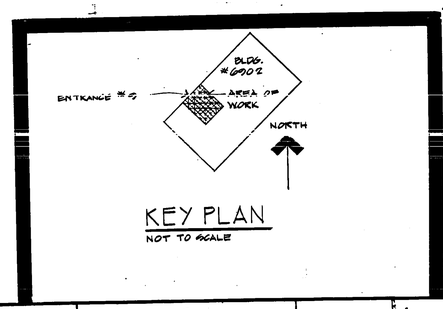
NOT TO SCALE

NOTES

1. WALL TO BE REMOVED. FLOOR, WALLS & CEILING SHALL BE PATCHED TO MATCH EXISTING. WALLS SHALL BE PAINTED W/2 COATS TT-E-508C, 15 JUN 77 ALKYD ENAMEL, INTERIOR SEMI-GLOSS, TINTS AND WHITES. COLOR TO BE SELECTED FROM FED STDS 595-2 2ND
2. EXIST. DOOR & FRAME SHALL BE REMOVED, "BLOCKED-IN" AND PATCHED TO MATCH ADJACENT WALLS.
3. NEW DOOR AND FRAME ASSEMBLY REQUIRED. WALL SHALL BE REMOVED, AND FLOOR PATCHED TO MATCH EXIST.
4. DOORS & PANELS SHALL BE REPLACED.
5. EXIST. DOOR AND FRAME ASSEMBLY SHALL BE REMOVED & REPLACED. SEE AK. 2. INSTALLATION SHALL BE COORDINATED WITH THE CONTRACTING OFFICER. DOOR SHALL NOT BE REMOVED UNTIL DIRECTED BY THE CONTRACTING OFFICER AND OPENING SHALL BE SECURED WITHIN TWO DAYS, AFTER TRAINING DEVICE IS MOVED INTO THE BUILDING BY THE AIR FORCE, APPROX. 15 AUG. 1982. THE REQUIRED DOOR SHALL BE INSTALLED WITHIN 7 DAYS OF NOTICE TO INSTALL.
6. BREAK OUT EXIST. WALL TO INSTALL REQD DOOR. ALL ROUGH EDGES SHALL BE FILLED WITH MORTAR TO PROVIDE A SMOOTH SURFACE.
7. LAG BOLTS SHALL CONFORM TO FED. SPEC. FF-B-561C, 1 DEC. 70, TYPE II, STYLE-1, GRADE-B. EXPANSION SHIELDS SHALL CONFORM TO FED. SPEC. FF-S-325, 10 SEP. 57, GROUP II, TYPE-1, CLASS-1.

LEGEND

- DETAIL, SECTION OR ELEVATION
- SHEET WHERE DRAWN
- SHEET WHERE TAKEN
- WALL TO BE REMOVED
- ETR EXISTING TO REMAIN
- F.E.C FIRE EXTINGUISHER CABINET (ETR)



KEY PLAN

NOT TO SCALE

SYMBOL	ZONE	DESCRIPTION	DATE	APPROVAL
2		REV. AS PER AMEND/MOD. F02140-82-C0076 Item 1-12	2-22-82	G.E.P.
1		REV. TO CORRECT	6-26-82	G.E.P.

REVISIONS

UNITED STATES AIR FORCE — KEESLER AIR FORCE BASE, BILOXI, MISSISSIPPI — OFFICE OF THE CIVIL ENGINEER — AIR TRAINING COMMAND

DRAWN BY: [illegible]
CHECKED BY: [illegible]
RECOMMENDED: [illegible] — CHIEF, DESIGN BRANCH, JAMES THOMPSON, JR.
RECOMMENDED: [illegible] — GRADE AND POSITION TITLE, USING AGENCY
APPROVED: [illegible] — BASE COMMANDER FOR DESIGNEE: MAJ. L. HEARN, CE, USAF — DATE 6-1-82

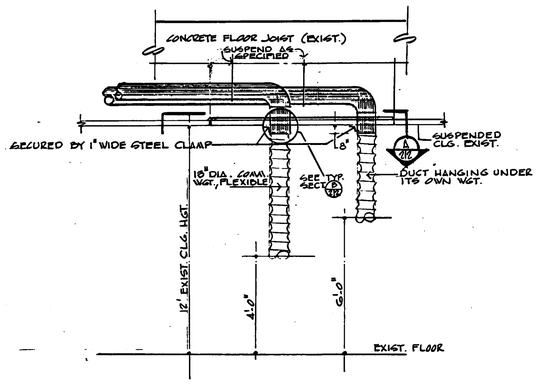
APPROVED FOR [illegible] DATE
CORROSION CONTROL ENGR. DATE
REVIEW APPROVALS
APPROVED FOR [illegible] DATE 4 May 82 — CHIEF, DESIGN BRANCH
APPROVED FOR [illegible] DATE 4 May 82 — CHIEF, CIVIL DESIGN
APPROVED FOR DATE
FOR USE BY MAJOR COMMAND HEADQUARTERS AND USAF ONLY

SUBMITTED: [illegible] DATE 6-1-82 — BASE ENGINEER: JOSEPH D. BERNETT

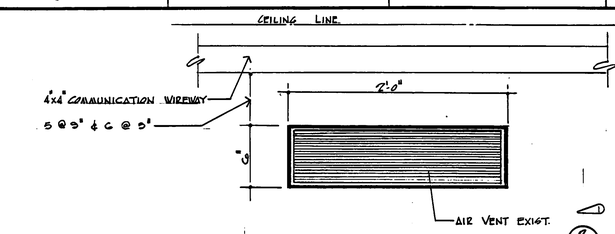
BLK. 60
INSTL. TRNG. MODS. BLDG. 6902
VICINITY MAP, LEGEND, FLOOR PLANS, NOTES

SCALE: AS SHOWN — SPEC. 82-0051
DRAWING NUMBER: 6902-7
SHEET 1 OF 3 SHEETS

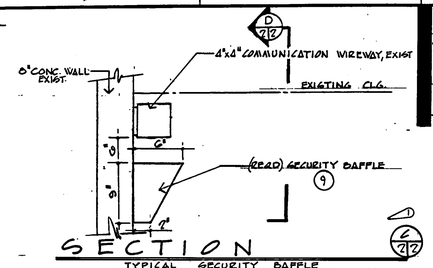
DRAWING NO. 6902-7
1/3



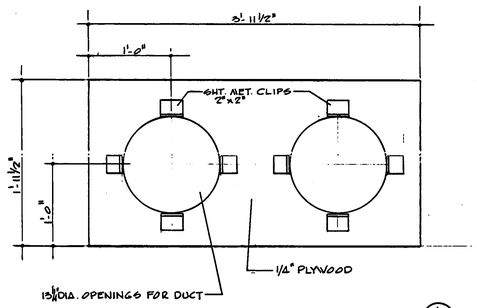
DETAIL
FLEXIBLE SUPPLY & RETURN DUCT
NOT TO SCALE



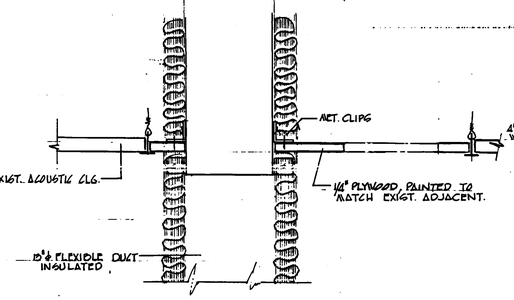
DETAIL
TYPICAL LAYOUT OF AIR VENTS IN ROOM 154
NOT TO SCALE



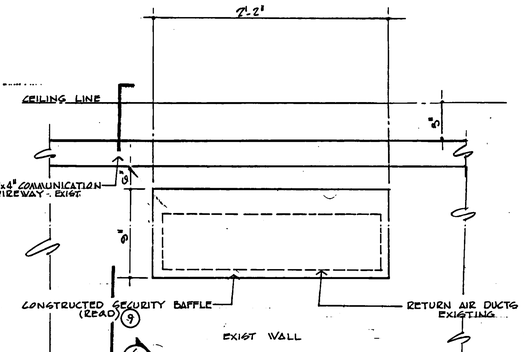
SECTION
TYPICAL SECURITY BAFFLE
NOT TO SCALE



SECTION
1/2" = 1' - 0"



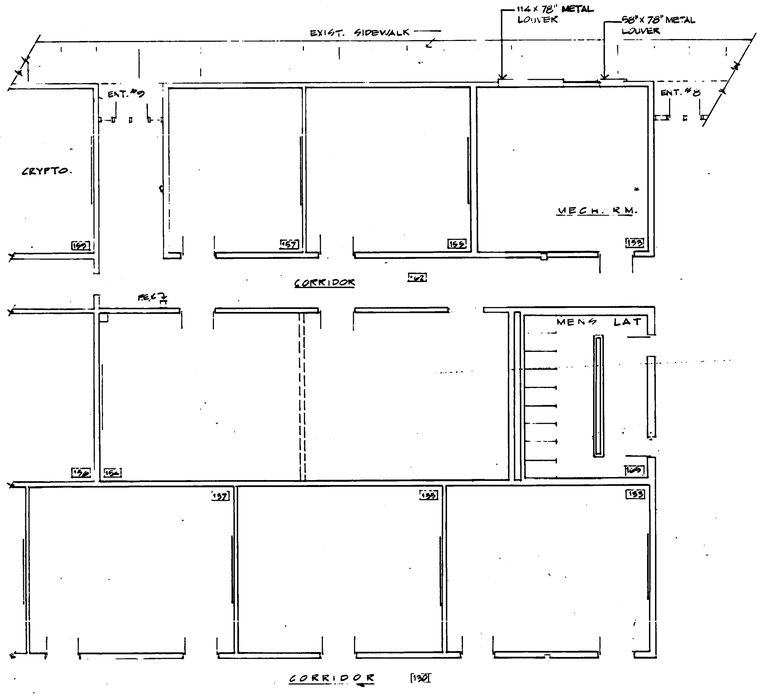
SECTION
1/2" = 1' - 0"



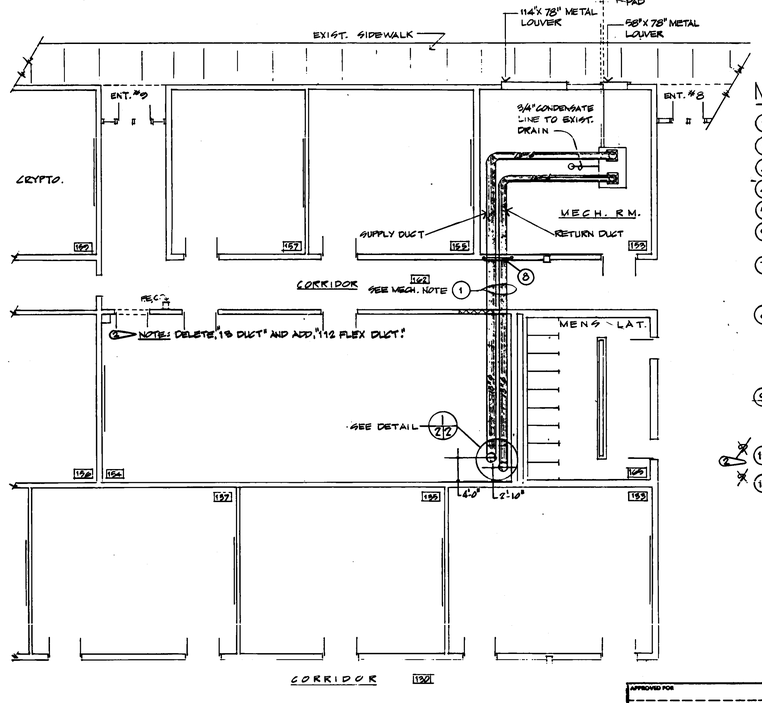
ELEVATION
NOT TO SCALE

MECHANICAL SCHEDULE

SYM.	TYPE	SYSTEM REQUIREMENTS @ OUTLET SUPPLY DUCT							
		TOT. COOL.	SENS. COOL.	LATENT COOL.	EXT. PRESS.	VOL. AIR	FILTER REQUIREMENTS	AIR TEMP.	AIR HUMIDITY
D	X	18,200 BTUH	18,200 BTUH	0	2" WG.	200-1000 CFM	80% OF PARTICLES (SNUR.	75±3°F	10-75% RELATIVE



FLOOR PLAN · (EXISTING)
PARTIAL FIRST FLOOR MECHANICAL
SCALE: 1/8" = 1'-0"



FLOOR PLAN · (REQUIRED)
PARTIAL FIRST FLOOR MECHANICAL
SCALE: 1/8" = 1'-0"

MECHANICAL NOTES

1. DUCTWORK IN HALLWAY SHALL BE INSTALLED ABOVE EXISTING DUCTWORK. ~~MINIMUM CLEARANCE~~ 2" DIA.
2. REFRIGERANT LINES (OUTSIDE) SHALL BE BELOW GROUND AND BENEATH SIDEWALK.
3. ALL ITEMS IN MECHANICAL SCHEDULE REFER TO CONDITIONS NECESSARY AT OUTLET DUCT.
4. DIMENSIONS INDICATED ON DUCTING ARE INSIDE MEASUREMENTS.
5. INSULATION AS SPECIFIED SHALL BE INSTALLED ON OUTSIDE OF DUCTING.
6. INSTALL INSULATION ON ROUND FLEXIBLE DUCT AFTER DUCT HAS BEEN CONNECTED TO SIMULATOR INTERFACE.
7. SUPPLY & RETURN DUCT SHALL BE INSTALLED CENTERED IN TWO ADJACENT SPACES CREATED BY TWO ADJACENT T-BEAMS. DUCTING SHALL BE INSTALLED AT LOWEST POSSIBLE ELEVATION ABOVE CEILING AND EXISTING DUCTWORK.
8. INSTALL 100% FREE AREA FIRE DAMPERS WHERE SHOWN. DAMPERS SHALL:
   a) MEET ALL REQUIREMENTS OF NFPA 90A-1970.
   b) BE GALVANIZED STEEL AND SHALL MEET SPECIFICATIONS FOR ALL MATERIAL PER U.L. STANDARD UL555-1979 AND SHALL BE UL LISTED.
   c) SHALL OPERATE WITH 160°F REPLACEABLE FUSIBLE LINK.
9. CONTRACTOR SHALL CONSTRUCT SECURITY BAFFLES FOR ALL RETURN AIR VENTS. BAFFLES SHALL BE CONSTRUCTED OF #26 GA. GALV. METAL AND LINED WITH 1/2" FIBERGLAS INSULATION. VENTS SHALL BE ANCHORED WITH EXPANSION SCREWS AND CAULKED AROUND EDGES. BAFFLES SHALL BE PAINTED TO MATCH EXISTING WALLS.
10. DUCT MAY BE ROUTED THROUGH ROOM 188, ABOVE CEILING IF REQUIRED WITH FIRE DAMPERS IN WALL BETWEEN ROOM 188 AND 189.
11. INSTALL LOW AMBIENT KIT BRYANT MODEL 565 OR EQUAL ON AIRCONDITIONING CONDENSING UNIT.

SYMBOL	ZONE	DESCRIPTION	DATE	APPROVAL
2		REV. AS PER AMEND/MOD PRELIM-82-C0076 PAGE 1 & 2	2-22-83	G.E.P.
1		TO ADD SECURITY REQUIREMENTS	6-29-82	GEP

REVISIONS

UNITED STATES AIR FORCE — KEESLER AIR FORCE BASE — AIR TRAINING COMMAND
BILOXI — MISSISSIPPI
OFFICE OF THE CIVIL ENGINEER

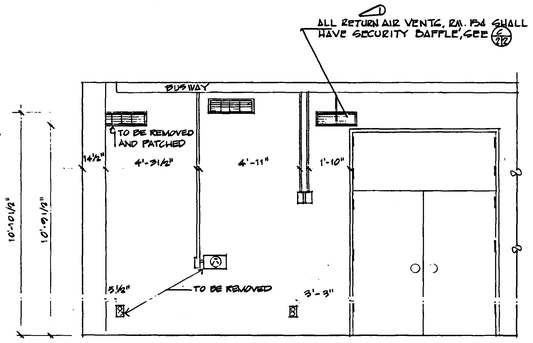
DRAWN BY: W
CHECKED BY:
RECOMMENDED: CHIEF ENGINEER A.E. THOMPSON, JR.
RECOMMENDED: GRADE AND POSITION TITLE — USING AGENCY
APPROVED: BASE COMMANDER (OPERATIONS): MAX L. HEARN, COL. — DATE 6-9-82

BLK. 69
INSTL. TRNG. MODS BLDG. 6902
MECHANICAL FLOOR PLAN, NOTES SCHEDULE

SUBMITTED: DATE 6-4-82
BASE ENGINEER: JOSEPH D. BENNETT
SCALE: AS SHOWN
SPEC. 82-0031
DRAWING NUMBER: 6902.7
IN 3 SHEETS — SHEET 2

APPROVED FOR — DATE
CORROSION CONTROL ENGR.
REVIEW APPROVALS
APPROVED FOR — DATE 4 May 82
APPROVED FOR — DATE 4 May 82
APPROVED FOR — DATE
FOR USE BY MAJOR COMMAND HEADQUARTERS AND USAF ONLY

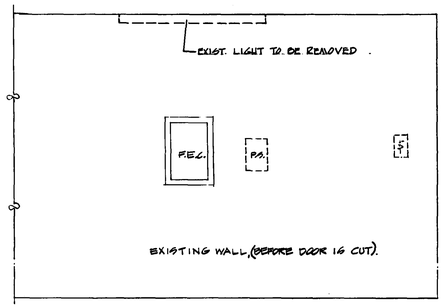
DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER
2/3



ELEV.

EXIST. DOOR ROOM # 154

SCALE: 3/8" = 1'-0"



ELEV.

NOT TO SCALE

▷ MOVE LIGHT SWICH LOCATED Y DOOR # 2 TO NEW LOCATION BY DOOR # 4 WHERE DIRECTED BY CONTRACTING OFFICER.

▷ PROVIDE AND INSTALL IN ROOM 154 WHERE DIRECTED BY CONTRACTING OFFICER, ONE EMERGI-LITE J.G. SERIES MODEL J6M-18-2 6 VOLTS D.C. LEAD CALCIUM BATTERY 18 WATT OR EQUAL EMERGENCY LIGHT AND PROVIDE POWER TO EMERGENCY LIGHT.

ELECTRICAL NOTES

▷ 60 AMP, 60 HZ FUSIBLE DISCONNECT SWITCH SHALL BE MOUNTED 6 FEET FROM FLOOR. POWER SHALL BE OBTAINED FROM PANEL (4). CONTRACTOR SHALL PROVIDE 60 AMP, 3 POLE CIRCUIT BREAKER IN EXISTING PANEL AND CONNECT AS SHOWN.

▷ 60 AMP, 400 HZ FUSIBLE DISCONNECT SWITCH SHALL BE MOUNTED 6 FEET FROM FLOOR, POWER SHALL BE OBTAINED FROM EXISTING 70 AMP 3 POLE CIRCUIT BREAKER IN DISTRIBUTION PANEL (1) & CONNECTED AS SHOWN.

▷ WHERE CONDUIT AND CONDUCTORS ARE REQUIRED TO BE REMOVED, THE CONTRACTOR SHALL TERMINATE THEM AT NEAREST ACCESSIBLE JUNCTION BOX.

▷ CONTRACTOR SHALL INSTALL CONDUCTORS AND CONDUIT IN ACCORDANCE WITH THE 1981 NATIONAL ELECTRICAL CODE AS APPLICABLE.

▷ CONTRACTOR SHALL PROVIDE EQUIPMENT GROUND FOR EXISTING DISTRIBUTION PANELS (1), (4) AND (5). EQUIPMENT GROUND SHALL CONSIST OF GROUND BAR INSIDE PANEL, #6 BARE COPPER CONDUCTOR AND AN 8 FOOT GROUND ROD DRIVEN THROUGH EXISTING FLOOR. CONTRACTOR SHALL CONNECT EACH GROUND BAR IN DESIGNATED PANELS TO GROUND ROD.

▷ EXPOSED CONDUIT AND BOXES SHALL BE SURFACE METAL RACEWAY (500 WIRE MOLD OR EQUAL).

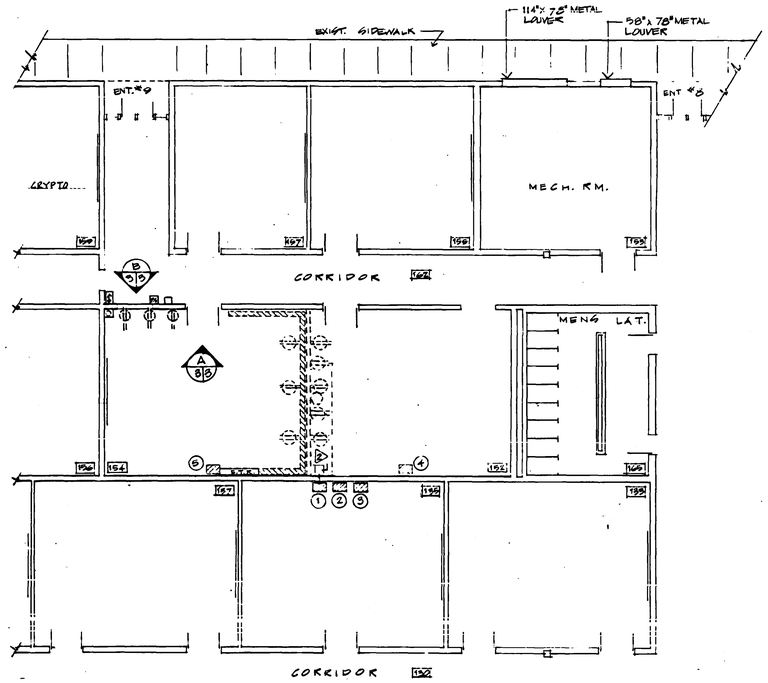
▷ CONTRACTOR SHALL PROVIDE CIRCUIT BREAKERS, CONDUCTORS CONDUIT AND DISCONNECT SWITCH, AND OTHER MATERIALS AS NECESSARY TO PROVIDE POWER TO THE REQUIRED COOLING SYSTEM FROM EXISTING PANEL 4. THE CONTRACTOR SHALL SIZE AND INSTALL THESE ITEMS AS RECOMMENDED BY THE MANUFACTURER OF THE COOLING SYSTEM, SUPPLIED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE NFPA 70, 1982.

▷ CONTRACTOR SHALL CONNECT ALL THE 115 VOLT AC POWER RECEPTACLES IN RMS. 152/154 TO THE EXISTING POWER PANEL IN RM. 154 AND PROVIDE NEW SQUARE "D" BREAKERS.

▷ CONTINUED TO ZONE G-5

LEGEND

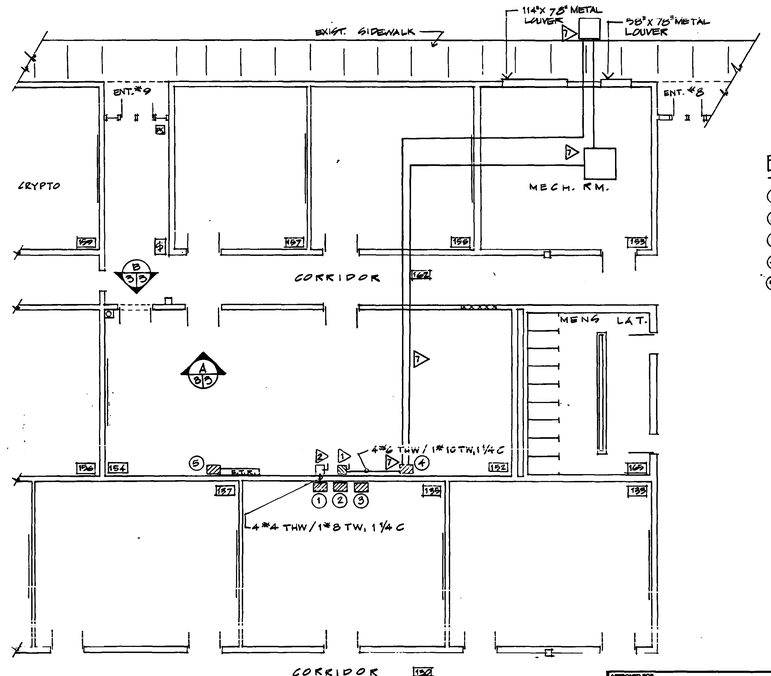
- 60 AMP FUSIBLE DISCONNECT SWITCH, 400 HZ (REMOVED).
- 60 AMP FUSIBLE DISCONNECT SWITCH, 60 HZ (REQUIRED).
- CONDUIT AND CONDUCTORS, SIZED AS INDICATED, (REQUIRED).
- DISTRIBUTION PANEL (EXISTING).
- LIGHT SWITCH, NEW LOCATION.
- PULL STATION, NEW LOCATION.
- SWITCH SHALL BE REMOVED AND RELOCATED AT POSITION SHOWN ON DRAWING. RELOCATED SWITCH SHALL CONTROL SAME FIXTURES AS ORIGINAL SWITCH.
- PULL STATIONS SHALL BE REMOVED, AND REINSTALLED AT LOC. INDICATED.
- WALL RECEPTACLES SHALL BE REMOVED & TERMINATED AT NEAREST ACCESSIBLE JUNCTION BOX.
- CLOCK MODULE SHALL BE REMOVED.
- 4 X 4 WIREWAY TO BE REMOVED AND TERMINATED.
- SURFACE MOUNTED CONDUIT AND CONDUCTORS SHALL BE REMOVED.
- 4 X 4 WIRE WAY E.T.R.



FLOOR PLAN · (EXISTING)

PARTIAL FIRST FLOOR ELECTRICAL

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



FLOOR PLAN · (REQUIRED)

PARTIAL FIRST FLOOR ELECTRICAL

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

EQUIPMENT SCHEDULE (E.T.R.)

1. DISTRIBUTION PANEL 120/208, 400 HZ, 70 AMP BREAKER AVAILABLE.
2. DISTRIBUTION PANEL 28 VDC.
3. DISTRIBUTION PANEL 120/208, 60 HZ, 3φ;
4. DISTRIBUTION PANEL 120/208, 60 HZ, 3φ.
5. DISTRIBUTION PANEL 120/208, 60 HZ, 3φ.

SYMBOL	ZONE	DESCRIPTION	DATE	APPROVAL
2		REV. AS PER AMEND/MOD.	2-22-83	G.E.P.
1		TO ADD SECURITY REQUIREMENTS	6-23-82	G.E.P.

REVISIONS

APPROVED FOR ____ DATE ____
CORROSION CONTROL ENGR.

REVIEW APPROVALS

APPROVED FOR Randolph A. Wolf DATE 4 May 82
BAS
APPROVED FOR James E. Moore DATE 4 May 82
FIRE CHIEF
APPROVED FOR ____ DATE ____

FOR USE BY MAJOR COMMAND HEADQUARTERS AND USAF ONLY

UNITED STATES AIR FORCE — KEESLER AIR FORCE BASE — AIR TRAINING COMMAND
BILOXI — MISSISSIPPI
OFFICE OF THE CIVIL ENGINEER

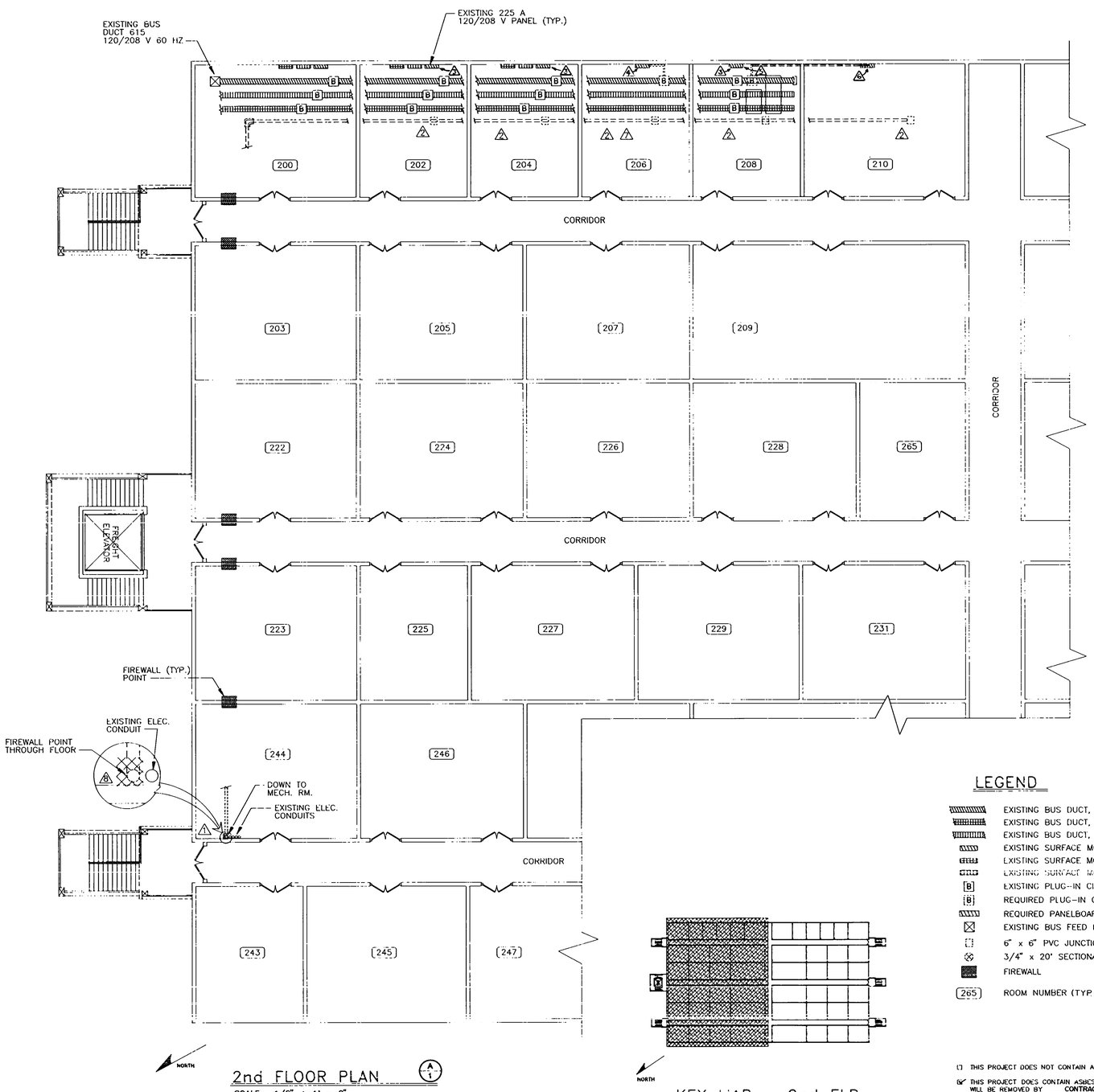
DRAWN BY ____
CHECKED BY ____
RECOMMENDED: CHIEF ENGINEER, M. E. THOMPSON
RECOMMENDED: GRADE AND POSITION TITLE
USING AGENCY
APPROVED: BASE COMMANDER (OR DESIGNEE) MAX L. HEARN COL.
DATE 6-4-82

SUBMITTED: BASE ENGINEER T. JOSEPH D. DENNETT — DATE 6-4-82

BLK. 69
INSTALL TRNG. MODG. BLDG 6902
ELEC. FLOOR PLANS, NOTES, SCHEDULE, ELEVATIONS, LEGEND

SCALE: AS SHOWN — SPEC. 82-0031
DRAWING NUMBER 6902-7.
IN 3 SHEETS — SHEET 3

DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER
3/3



2nd FLOOR PLAN

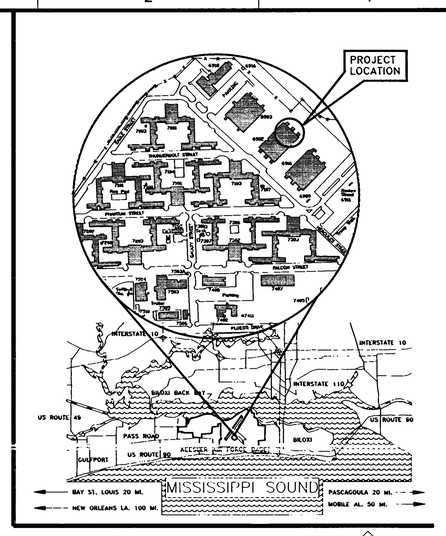
SCALE: 1/8" + 1' - 0"

KEY MAP – 2nd FLR

N.T.S.

GENERAL NOTES

1 EXISTING BUS DUCT IS SQUARE D 3Ø, 4W CAT. No. AP 504 PLUG-IN DUCT WITH ALUMINUM BUSSES.



1" = 1 MILE

VICINITY MAP

KEYED NOTES

1. DRILL THROUGH CONCRETE FLOOR AND EXTEND 3/4" SCH. 40 PVC CONDUIT WITH #4/0 AWG CONDUCTOR TO MECH. ROOM BELOW FOR SIGNAL REFERENCE GROUND. SEAL AROUND CONDUIT FOR FIRESTOP.
2. ROUTE SIGNAL REFERENCE GROUND ABOVE SUSPENDED CEILING THROUGH 6" x 6" PVC JUNCTION BOXES MOUNTED ABOVE EACH CLASS ROOM. EXTEND 3/4" SCH. 40 PVC CONDUIT FROM JUNCTION BOX DOWN WALL TO NOMINAL 12" x 15" PVC BOX MOUNTED ON WALL (SEE DETAIL). BOX TO BE EQUIPPED WITH 30 CIRCUIT TERMINAL STRIP(S) AND KNOCKOUTS SUITABLE FOR FUTURE GROUND WIRE EXITS. BOND ALL GROUNDS.
3. INSTALL 30 CIRCUIT GROUND TERMINAL BAR IN EXISTING SQUARE D PANELBOARD. BOND TO PANELBOARD TO ENSURE EQUIPMENT GROUNDING CONDUCTOR CONTINUITY FOR FUTURE BRANCH CIRCUITS. INSTALL #4 AWG EQUIPMENT GROUNDING CONDUCTOR (GREEN WIRE) IN FLEX CONDUIT FROM BUS TO PANEL. CONNECT TO GROUND BAR AND BOND TO BUS ENCLOSURE.
4. INSTALL 225A, 30 CIRCUIT, SQUARE D TYPE NQOD, 120/208 VOLT PANELBOARD WITH 14 SINGLE POLE 20A, 10,000 A.I.C. CIRCUIT BREAKERS. INSTALL SQUARE D 225A PLUG-IN-CIRCUIT BREAKER ON 120/208 VOLT BUS AND CONNECT TO NEW PANEL WITH 4 #4/0 P & 1 #4G THWN IN TWO-AND-A-HALF INCH FLEXIBLE CONDUIT. BOND GROUND WIRE TO GROUND BUS IN PANEL AND TO BUS ENCLOSURE.
5. INSTALL 4 – 20A, 10,000 A.I.C. IP CIRCUIT BREAKERS IN EXISTING SQUARE D TYPE NH1B PANELBOARD.
6. INSTALL 225A, 30 CIRCUIT, SQUARE D MAIN LUGS ONLY NQOD, 120/208 VOLT PANELBOARD WITH 20 SINGLE POLE, 20A, 10,000 A.I.C. CIRCUIT BREAKERS. INSTALL SQUARE D 225A FRAME KA PLUG-IN CIRCUIT BREAKER ON EXISTING 120/208 VOLT BUS IN ROOM 208. INSTALL 4 #4/0 P & 1 #4G IN TWO-AND-A-HALF INCH CONDUIT FROM NEW CIRCUIT BREAKER TO NEW 225A PANEL IN ROOM 210. ROUTE ABOVE SUSPENDED CEILING. USE CU/AL RATED TERMINAL CLAMPS FOR BUS CONNECTION WITH APPROVED NON-OXIDIZING COMPOUND.
7. REMOVE BRACKETS FROM CLASSROOM WALL AND FINISH TO MATCH EXISTING.
8. SUFFICIENT ASBESTOS TILE MUST BE REMOVED FROM THIS AREA TO ALLOW FLOOR PENETRATION.
9. CONDUIT FOR SIGNAL REFERENCE GROUND SHALL BE ROUTED THROUGH UNPAINTED AREAS OF CORRIDOR WALLS TO AVOID LEAD BASED PAINT.

LEGEND

- EXISTING BUS DUCT, 120/208 V, 400 A, 60 HZ
- EXISTING BUS DUCT, 120/208 V, 400 HZ
- EXISTING BUS DUCT, 28 V DC
- EXISTING SURFACE MOUNTED PANELBOARD, 120/208 V 60 HZ.
- EXISTING SURFACE MOUNTED PANELBOARD, 120/208 V 400 HZ.
- EXISTING SURFACE MOUNTED PANELBOARD, 28 V DC.
- [B] EXISTING PLUG-IN CIRCUIT BREAKER
- {B} REQUIRED PLUG-IN CIRCUIT BREAKER
- REQUIRED PANELBOARD, 120/208 V, 3Ø, 4W, 225A
- EXISTING BUS FEED BOX
- 6" x 6" PVC JUNCTION BOX W/ SCREW COVER
- 3/4" x 20' SECTIONAL GROUND ROD
- FIREWALL
- (265) ROOM NUMBER (TYP.)

☐ THIS PROJECT DOES NOT CONTAIN ASBESTOS MATERIAL IN THE CONSTRUCTION AREA.

☒ THIS PROJECT DOES CONTAIN ASBESTOS MATERIAL IN THE CONSTRUCTION AREA THAT WILL BE REMOVED BY CONTRACTOR

☐ THIS PROJECT DOES NOT CONTAIN LBP MATERIAL IN THE CONSTRUCTION AREA.

☐ THIS PROJECT DOES CONTAIN LBP MATERIAL IN THE CONSTRUCTION AREA THAT WILL BE REMOVED BY

COORDINATION

THE CHIEF, GROUND SAFETY DIVISION
CONTRACTING OFFICER
CONTRACTING OFFICER
ENVIRONMENTAL OFFICER
ENVIRONMENTAL COORDINATOR
SECURITY POLICE
CEO:
FACILITY EXCELLENCE

REVISION	DATE	DRAWN	APPROVED

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

KEESLER AIR FORCE BASE
BILOXI — MISSISSIPPI
OFFICE OF CIVIL ENGINEERS

SYSTEMS EVALUATION SCHOOL BLDG. 6902

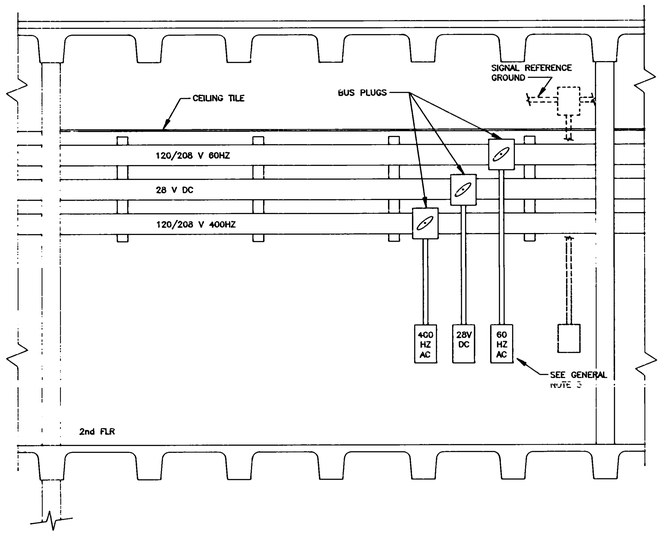
FLOOR PLAN, VICINITY MAP, KEYED NOTES, LEGEND

SUBMITTED: CHIEF, ENGINEERING DESIGN
RECOMMENDED: CHIEF, DESIGN DIV.
APPROVED: CHIEF, ENGINEERING

DESIGNER: BARRETT
CHECKED: VAUGHN
SCALE: AS SHOWN
DRAWING NUMBER: 6902-8
DRAWN: R.D.D.
DATE: 21 DEC'94
PROJECT NUMBER: MAHG-93-2205
SHEET 1 OF 2

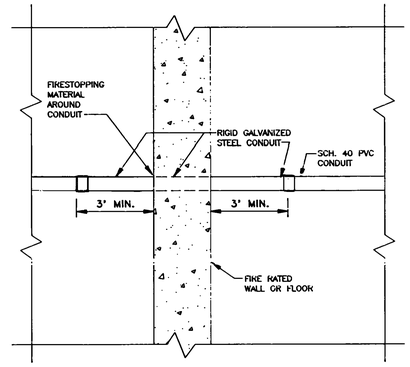
6902-8

6902-8
1/2



PROPOSED CLASSROOM WALL ELEV. (TYPICAL) (A/2)

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

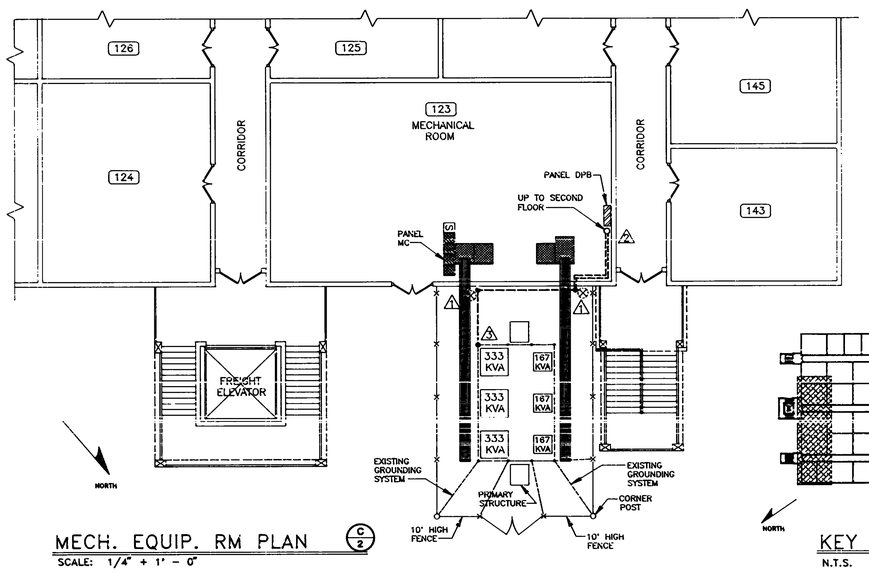


DETAIL – FIREWALL PENETRATION (B/2)

N.T.S.

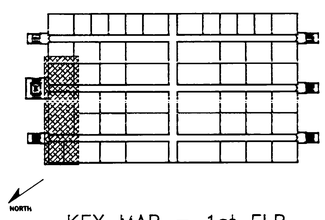
CAUTION

SUBSTATION HAS EXPOSED PRIMARY CONDUCTORS RATED AT 23,000 VOLTS.



MECH. EQUIP. RM PLAN (C/2)

SCALE: 1/4" + 1' - 0"



KEY MAP – 1st FLR

N.T.S.

KEYED NOTES

1. INSTALL 3/4" x 20' SECTIONAL GROUND ROD IN CORNER OF OUTDOOR SUBSTATION AND CONNECT WITH 4/0 AWG BARE CONDUCTOR BURIED 3 FEET DEEP.
2. INSTALL 3/4" SCH. 40 PVC CONDUIT WITH #4/0 AWG BARE COPPER CONDUCTOR FROM SECOND FLOOR TO GROUNDING ELECTRODE SYSTEM IN OUTSIDE SUBSTATION FOR SIGNAL REFERENCE GROUND. ROUTE ALONG WALL NEAR FLOOR LINE AND PENETRATE OUTSIDE CONCRETE WALL.. TERMINATE CONDUIT AT OUTSIDE WALL WITH BUSHING FITTING AND SEAL AROUND CONDUIT. BOND #4/0 CONDUCTOR TO GROUNDING ELECTRODE SYSTEM.
3. EXCAVATE AND LOCATE EXISTING SUBSTATION GROUNDING SYSTEM. EXTEND #4/0 AWG GROUND WIRE FROM NEW SYSTEM AND BOND AT BOTH ENDS.

GENERAL NOTES

1. ADEQUATE SAFETY PREAUTIONS SHALL BE TAKEN PRIOR TO ANY WORK BEING DONE INSIDE SUBSTATION.
2. THE SIGNAL REFERENCE GROUND (#4/0 AWG) SHALL BE UNSPLICED BETWEEN BOTH TERMINATION POINTS. TAPS SHALL BE CONNECTED WITH APPROVED COMPRESSION FITTINGS.
3. CIRCUIT BREAKERS ARE FOR FUTURE EQUIP. TO BE INSTALLED BY OTHERS.
4. SIDE AND BOTTOM OF NEW AND EXISTING PANELBOARDS TO BE USED FOR FUTURE BRANCH CIRCUITS. DO NOT BLOCK ACCESS.

LEGEND

265 ROOM NUMBER (TYP.)

REVISION	DATE	DRAWN	APPROVED

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

KEESLER AIR FORCE BASE

BILOXI — MISSISSIPPI

OFFICE OF CIVIL ENGINEERS

SYSTEMS EVALUATION SCHOOL
BLDG. 6902

WALL ELEV, EQUIP RM. PLAN, DETAIL, KEYED NOTES

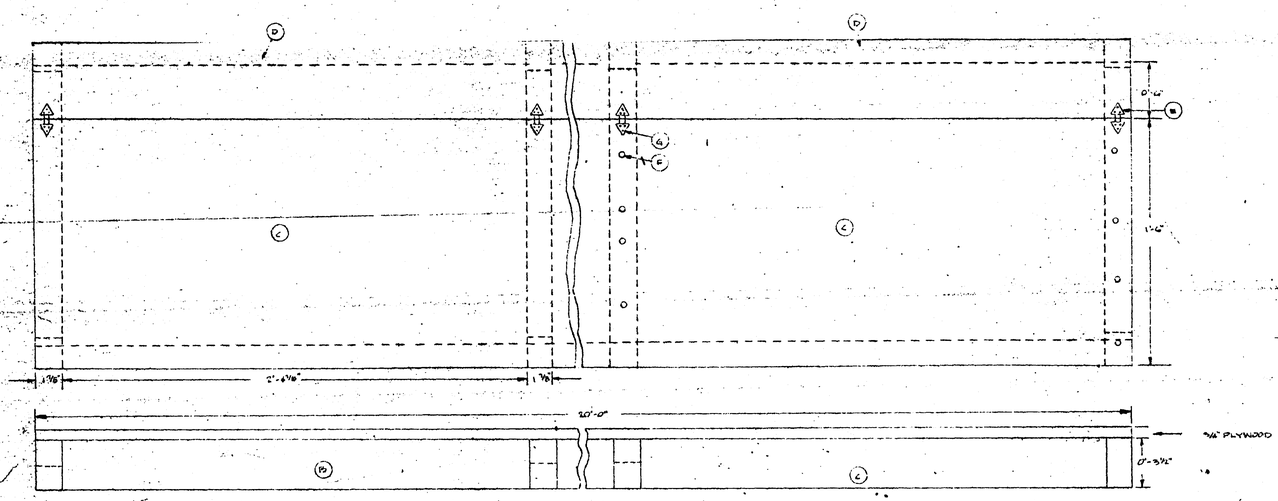
SUBMITTED (Chief of Engineering Design)	RECOMMENDED (Chief of Engineering)	APPROVED (Base Civil Engineer)

DESIGNED	CHECKED	SCALE	DRAWING NUMBER
BARRETT	VAUGHN	AS SHOWN	6902-8
DRAWN R.D.D.	DATE 21 DEC'94	PROJECT NUMBER MAHC-93-2206	SHEET 2 OF 2

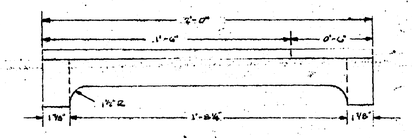
6902-8

2/2

REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVED
	A	RAMP SUPPORT ITEM FOR CB ALIGNMENT 1222T180 AND 1225T180 DRAFTSMAN J.D. WINTER ENGR.	23 AUG 67	



FRONT VIEW



END VIEW

BILL OF MATERIAL			
ITEM	FSCM	DESCRIPTION	QUANTITY
A		2x4 TIMBER (DRESSED) 2'-LENGTH	8 EA
B		2x4 TIMBER (DRESSED) 2'-4 7/8" L	14 EA
C		3/4" PLYWOOD 3/4" x 1 7/8" x 20"	1 EA
D		3/4" PLYWOOD 3/4" x 6" x 20"	1 EA
E		HEAVY DUTY HINGE	8 EA
F	12L7	6D NAIL, COMMON	
G	8G67	SCREW, WOOD 3/4"	
H	16T4	PAINT, GRAY ENAMEL	1 GAL.

FOR [illegible] 1222T180 AND 1225T180

QTY REQD	SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	SPECIFICATION	MATERIAL	UNIT WT	ZONE	FIND NO.

LIST OF MATERIALS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DECIMALS: FRACTIONS ± ; .XX ± ; .XXX ± ; ANGLES ±
MATERIAL

DRAFTSMAN J.D. WINTER — DATE 23 AUG 67
CHECKER
ENGINEER
A.F. PROJ. ENGR.
CONTRACT NUMBER
A.F. DESIGN ACTIVITY AUTHENTICATION

NEXT ASSY | USED ON | NEXT ASSY

U.S. AIR FORCE
GROUND ELECTRONICS ENGINEERING INSTALLATION AGENCY
NO. EASTERN - GEEIA REGION — BEDFORD, MASS.

TITLE
BLDG. 6902 - ACADEMIC BLDG.
EQUIPMENT MOUNTING PLATFORM
VOR CLASS ROOMS: RMS. 225 & 223

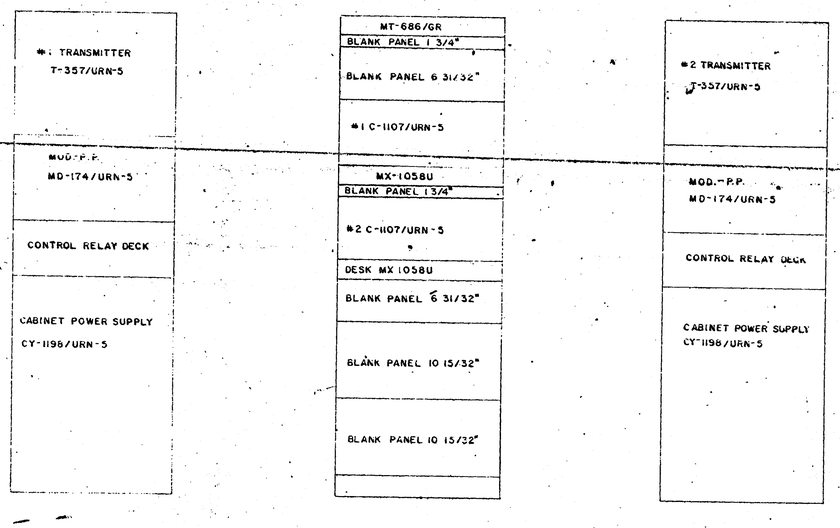
SIZE D — A.F. CODE IDENT NO. 13676 — DRAWING NUMBER MAHG-B-06902-AX-000

ENGINEERING DRAWING LAYOUT D

1222T180 1225T180

DRAWING NUMBER 6902-5 1/82

INSTALLED DATE	REVISIONS				
	ZONE	LTR	DESCRIPTION	DATE	APPROVED
		A	SCH. 1229778D INITIATES THIS DWG. ADDS RADIO BEACON AN/URN-5 DRAFTSMAN [illegible] CHECKER [illegible]	17 OCT 67	SPRATLEY



QTY. REQ'D	SYM.	NOMENCLATURE	CODE IDENT.	IDENTIFYING NO.	SPECIFICATION	MATERIAL	UNIT OF ISSUE	ZONE	FIND NO.

LIST OF MATERIALS

NEXT ASSY	USED ON	FINAL ASSY	FINAL ASSY
APPLICATION		QTY. REQ'D.	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS .XX ±, .XXX ± ANGLES ±
MATERIAL

DRAFTSMAN [illegible] DATE 17 OCT 67
CHECKED [illegible] 19 OCT 67
ENGINEER
AF PROJECT ENGINEER
CONTRACT NUMBER
DESIGN ACTIVITY AUTHENTICATION

U. S. AIR FORCE
GROUND ELECTRONICS ENGINEERING INSTALLATION AGENCY

TITLE
BLDG. 6902 TRAINING
AN/URN-5 RACK PROFILE
ROOM 250
KEESLER AFB MISS.

SIZE D | CODE IDENT. NO. 13076 | DRAWING NUMBER MAIIC-S-06902-FE-000

SCALE ~~FULL SCALE~~ NONE

SECTION "FP" 1229778D

AF 1055 (GDRS NOV. 1965)

ENGINEERING DRAWING LAYOUT D

DRAWING NUMBER

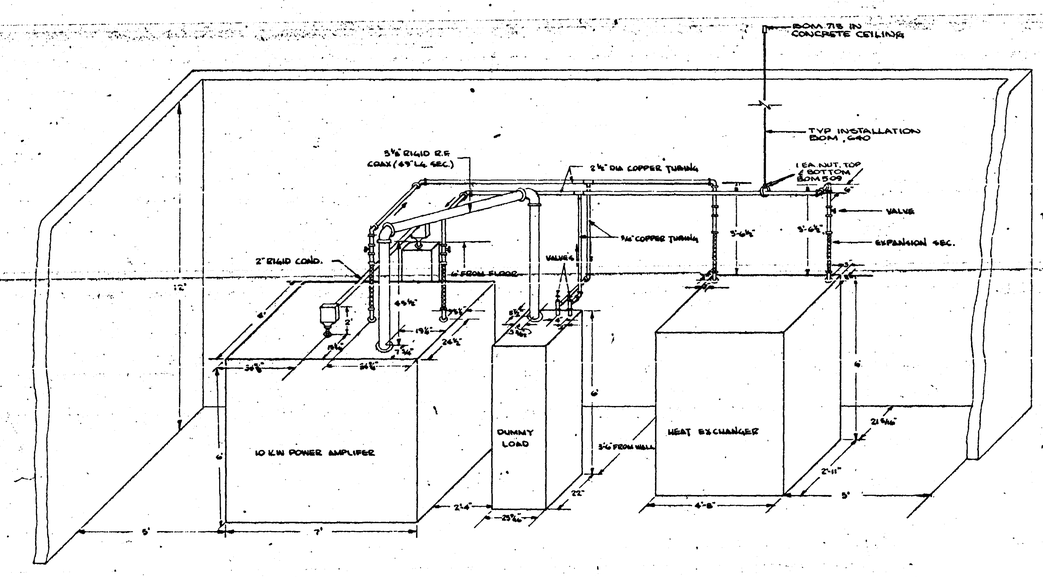
DRAWING NUMBER

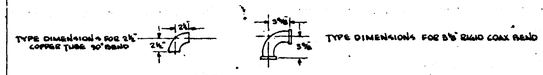
DRAWING NUMBER

DRAWING NUMBER

2/82

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	THIS PURE TRANSITORY DWG., DRAWN IN SUPPORT OF SCHEME 12307TRO. DRAFTSMAN J.B. WINTER CHECKER P.Y. Secord	6 OCT 67	Capt Bellanca





DETAIL "A"
NO SCALE

~ NOTES ~
1. HEIGHT FROM FLOOR TO FALSE CEILING - 12 FT.
2. HEIGHT FROM FLOOR TO CONCRETE CEILING - 15 FT. 2 IN.

QTY REQD	SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	SPECIFICATION	MATERIAL	UNIT WT.	ZONE	FIRO NO.

LIST OF MATERIALS

NEXT ASSY	USED ON	NEXT ASSY	FINAL ASSY
APPLICATION		QTY REQD	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DECIMALS .XX ± .XXX ± FRACTIONS ± ANGLES ±
MATERIAL

DRAFTSMAN J.B. WINTER DATE 6 OCT 67
CHECKED P.Y. Secord 7 Oct 67
ENGINEER
A.F. PROJ. ENGR.
CONTRACT NUMBER
A.F. DESIGN ACTIVITY AUTHENTICATION 10 Oct 67

U.S. AIR FORCE
GROUND ELECTRONICS ENGINEERING INSTALLATION AGENCY
HQ/EASTERN AREA DIVISION BROOKLEY AFB, ALA.

TITLE
BLDG. 6902 - RM. 257 - TRAINING
PARTIAL EQUIP VIEW
CONDUIT, COAX, AND COPPER TUBING
LAYOUT

VICKSBURG AFB MISS.

SIZE	A.F. CODE IDENT NO.	DRAWING NUMBER
D	13676	MAHG-B-06902-AX-664

SCALE NONE

DTC 6007 1-6902-5

DRAWING NUMBER 3/82

DRAWING NUMBER

DRAWING NUMBER

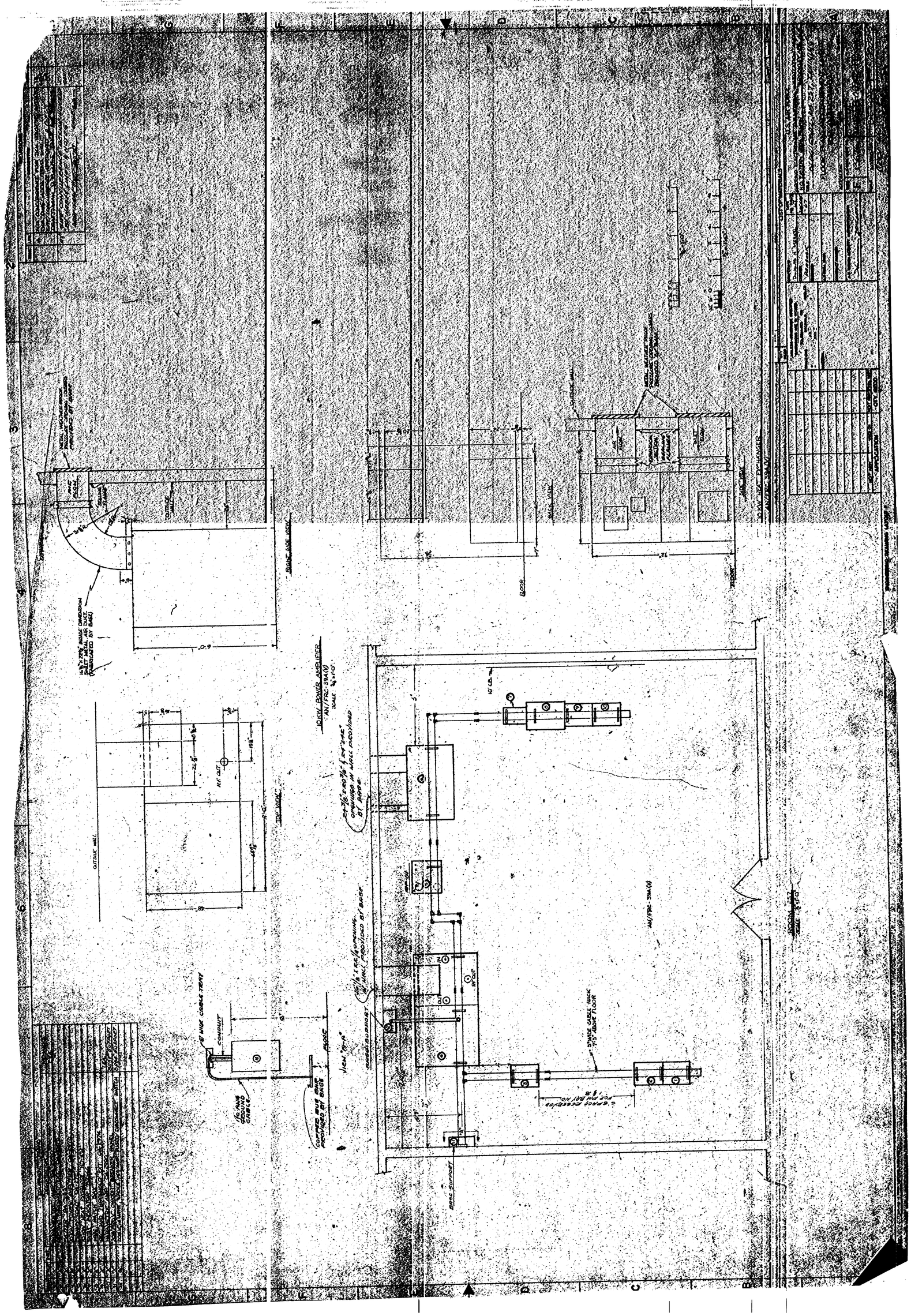
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

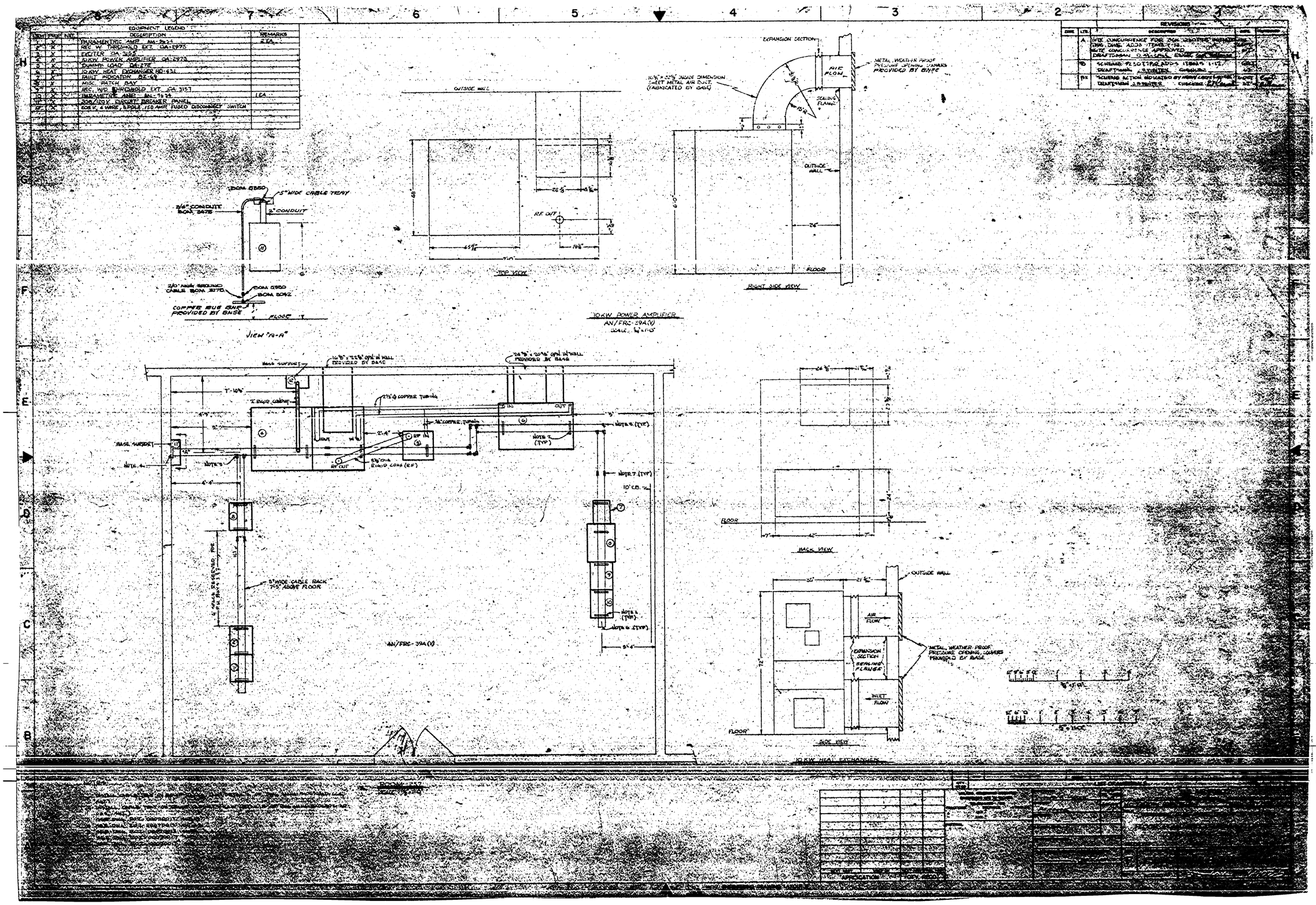
DRAWING NUMBER

DRAWING NUMBER
6902-5
78/82



EQUIPMENT LEGEND				
ITEM	PROP	NAT	DESCRIPTION	REMARKS
1	X		PARAMETRIC AMP. AM-2624	2 EA.
2	X		REC. W. THRESHOLD EXT. OA-2975	
3	X		EXCITER OA-3168	
4	X		50KW POWER AMPLIFIER OA-2973	
5	X		DUMMY LOAD OA-272	
6	X		10 KW HEAT EXCHANGER MD-631	
7	X		FAULT INDICATOR RE-62	
8	X		MISC. PATCH BAY	
9	X		REC. WB BIRDWOLD EXT. OA-3157	
10	X		PARAMETRIC AMP. AM-2934	1 EA.
11	X		208/120 V. CIRCUIT BREAKER PANEL	
12	X		208 V, 4 WIRE, 3 POLE, 150 AMP FUSED DISCONNECT SWITCH	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	SITE CONCURRENCE FOR 50KW RECEIVER INSTALLATION DWG. BASE. ADDED ITEMS 7-12. SITE CONCURRENCE APPROVED. DRAFTSMAN D. MCNEILL ENGR. [illegible]	[illegible]	[illegible]
	B	SCHEME 'B' SOTTIPRZ ADDED ITEMS 1-12. DRAFTSMAN J. SWARTZ CHECKED [illegible]	[illegible]	[illegible]
	BX	"WORKING ACTION" INDICATED BY HEAVY LINES. DRAFTSMAN J. SWARTZ CHECKED [illegible]	[illegible]	[illegible]



DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

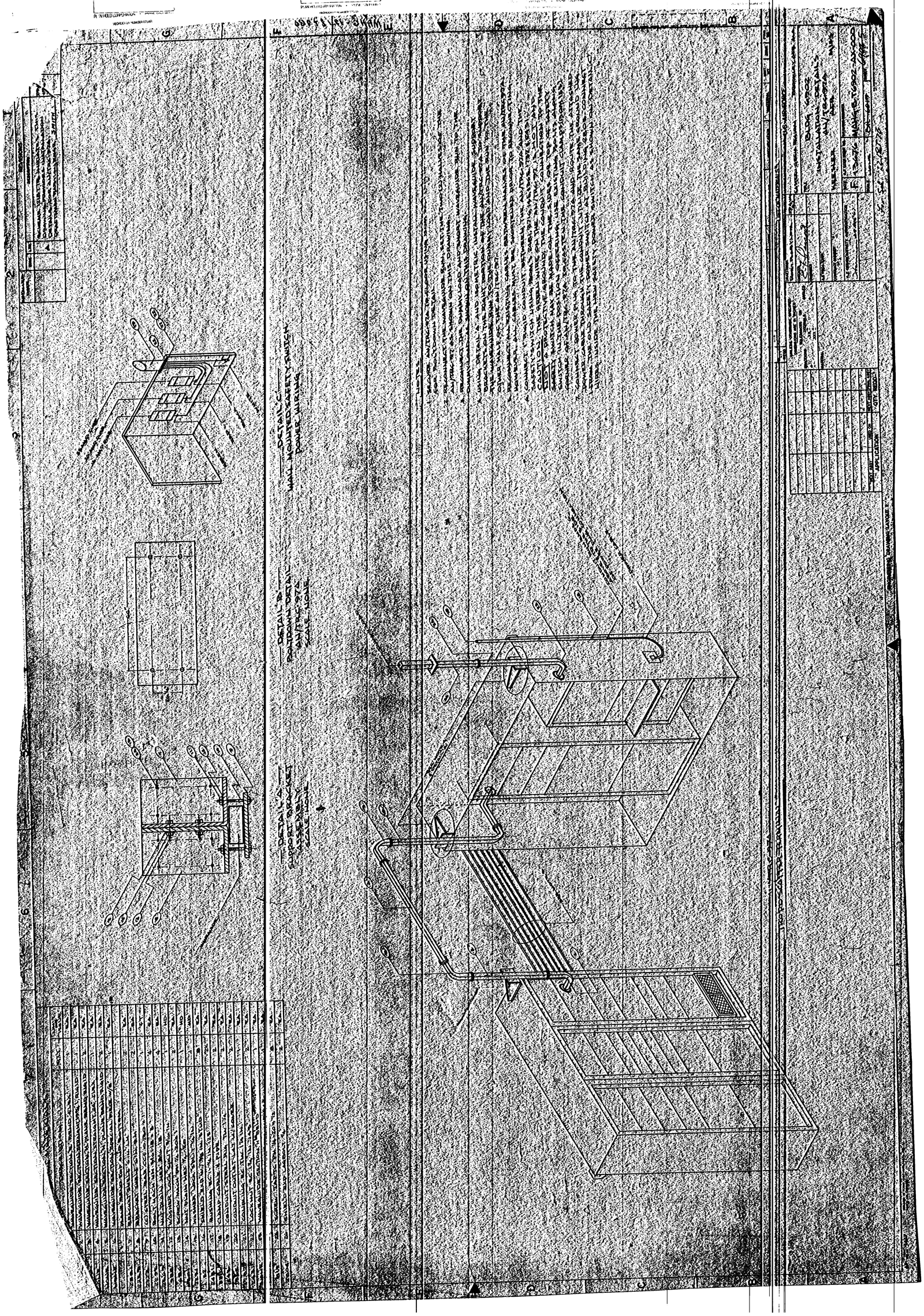
DRAWING NUMBER 6902-S 7/8/82

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
6902-5
80/82

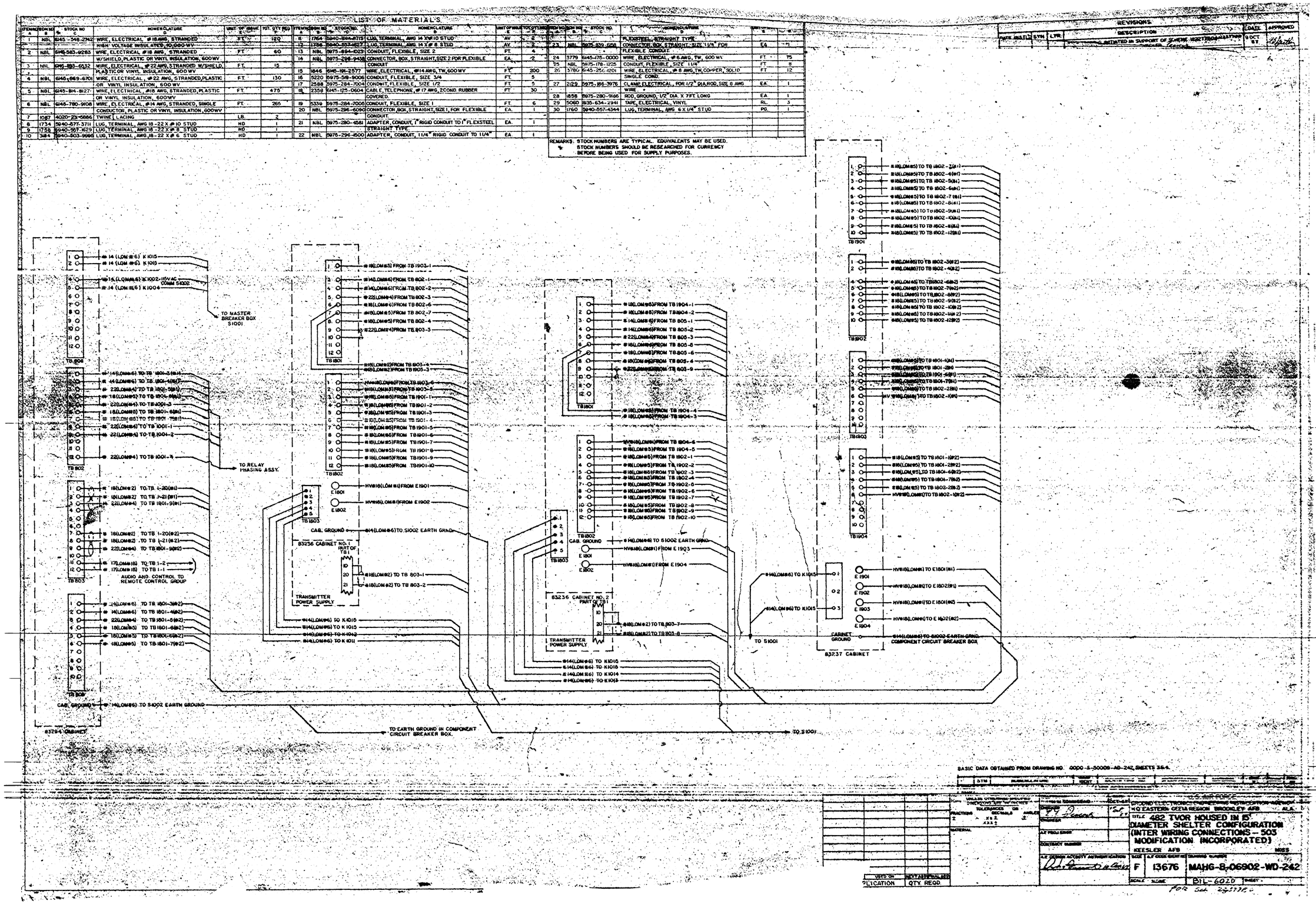


LIST OF MATERIALS

ITEM NO A	SOS NO B	STOCK NO C	NOMENCLATURE D	UNIT OF ISSUE E	TOT QTY REQ F
1	NBL	6145-248-2742	WIRE, ELECTRICAL, #18 AWG, STRANDED HIGH VOLTAGE INSULATED, 10,000 WV	FT	120
2	NBL	6145-585-6283	WIRE, ELECTRICAL, #18 AWG, STRANDED W/SHIELD, PLASTIC OR VINYL INSULATION, 600 WV	FT	60
3	NBL	6145-893-6532	WIRE, ELECTRICAL, #22 AWG, STRANDED W/SHIELD, PLASTIC OR VINYL INSULATION, 600 WV	FT	15
4	NBL	6146-669-6701	WIRE, ELECTRICAL, #22 AWG, STRANDED, PLASTIC OR VINYL INSULATION, 600 WV	FT	130
5	NBL	6145-814-8127	WIRE, ELECTRICAL, #18 AWG, STRANDED, PLASTIC OR VINYL INSULATION, 600 WV	FT	475
6	NBL	6145-780-9108	WIRE, ELECTRICAL, #14 AWG, STRANDED, SINGLE CONDUCTOR, PLASTIC OR VINYL INSULATION, 600 WV	FT	265
7	1087	4020-221-5886	TWINE LACING	LB	2
8	1734	5940-877-3711	LUG, TERMINAL, AWG 18-22 X #10 STUD	HD	1
9	1758	5940-557-1629	LUG, TERMINAL, AWG 18-22 X #8 STUD	HD	1
10	3484	5940-503-9995	LUG, TERMINAL, AWG 18-22 X #6 STUD	HD	1
11	1764	5940-874-8715	LUG, TERMINAL, AWG 14 X #10 STUD	AV	2
12	1756	5940-557-1627	LUG, TERMINAL, AWG 14 X #8 STUD	AV	2
13	NBL	5975-894-6023	CONDUIT, FLEXIBLE, SIZE 2	FT	4
14	NBL	5975-298-9438	CONNECTOR, BOX, STRAIGHT, SIZE 2 FOR FLEXIBLE CONDUIT	EA	2
15	1846	6145-191-2577	WIRE, ELECTRICAL, #14 AWG, TW, 600 WV	FT	200
16	5220	5975-249-9006	CONDUIT, FLEXIBLE, SIZE 3/4	FT	5
17	2588	5975-284-7004	CONDUIT, FLEXIBLE, SIZE 1/2	FT	5
18	2358	6145-125-0604	CABLE, TELEPHONE, #17 AWG, 2 COND. RUBBER COVERED.	FT	30
19	5339	5975-284-7005	CONDUIT, FLEXIBLE, SIZE 1	FT	6
20	NBL	5975-296-6090	CONNECTOR, BOX, STRAIGHT, SIZE 1, FOR FLEXIBLE CONDUIT.	EA	1
21	NBL	5975-280-4581	ADAPTER, CONDUIT, 1" RIGID CONDUIT TO 1" FLEXSTEEL STRAIGHT TYPE	EA	1
22	NBL	5975-296-8500	ADAPTER, CONDUIT, 1 1/4" RIGID CONDUIT TO 1 1/4" FLEXSTEEL, STRAIGHT TYPE	EA	1
23	NBL	5975-939-0258	CONNECTOR, BOX, STRAIGHT, SIZE 1 1/4" FOR FLEXIBLE CONDUIT	EA	1
24	3779	6145-175-0000	WIRE, ELECTRICAL, #6 AWG, TW, 600 WV	FT	75
25	NBL	5975-178-1225	CONDUIT, FLEXIBLE, SIZE 1 1/4"	FT	8
26	3780	6145-256-1201	WIRE, ELECTRICAL, #8 AWG, TW, COPPER, SOLID SINGLE COND.	FT	12
27	2129	5975-186-3976	CLAMP, ELECTRICAL, FOR 1/2" DIA ROD, SIZE 8 AWG WIRE	EA	1
28	1858	5975-280-9186	ROD, GROUND, 1/2" DIA. X 7FT LONG	EA	1
29	5060	9135-634-2941	TAPE, ELECTRICAL, VINYL	RL	3
30	1760	5940-557-4344	LUG, TERMINAL, AWG 6 X 1/4" STUD	PG	1

REMARKS. STOCK NUMBERS ARE TYPICAL. EQUIVALENTS MAY BE USED.
* STOCK NUMBERS SHOULD BE RESEARCHED FOR CURRENCY BEFORE BEING USED FOR SUPPLY PURPOSES.

REVISIONS					
DATE	MAT'L	SYM	LTR	DESCRIPTION	DATE	APPROVED
				ESTABLISHED IN SUPPORT OF SCHEME NO. 17 PROGRAM PLAN FOR KEESLER	9 OCT 81	



BASIC DATA OBTAINED FROM DRAWING NO. 60D0-S-50009-AD-242, SHEETS 3&4.

REV	SYM	REVISIONS	BY	CHK	DATE

UPD'D ON	NEXT ASSY	NEXT ASSY REQ'D
PLICATION	QTY. REQD.	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DECIMALS ANGLES
FRACTIONS ±
.XX ±
.XXX ±
MATERIAL

U.S. AIR FORCE
GROUND ELECTRONIC ENGINEERING INSTALLATION AGENCY
1 0 EASTERN CONUS REGION BROOKLEY AFB ALA.

TITLE 482 TVOR HOUSED IN 15' DIAMETER SHELTER CONFIGURATION (INTER WIRING CONNECTIONS – 503 MODIFICATION INCORPORATED)

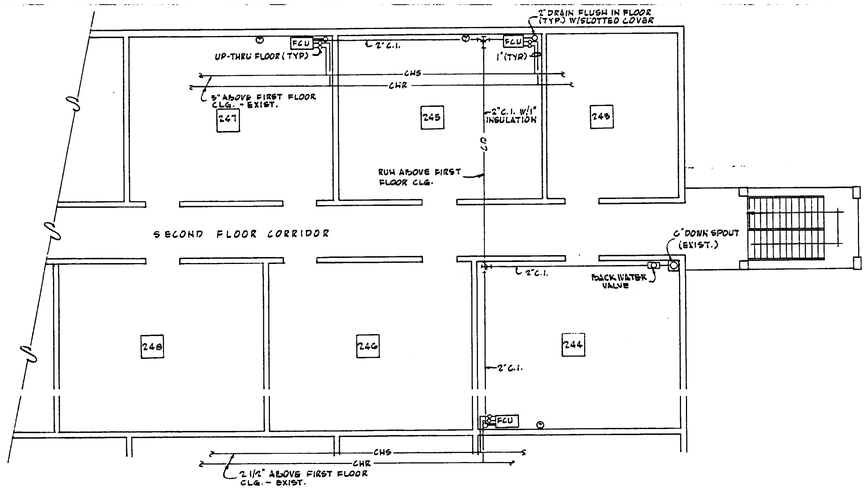
KEESLER AFB MISS

SIZE	A.F. CODE IDENT NO	DRAWING NUMBER
F	13676	MAHG-B-06902-WD-242

SCALE NONE | BIL-60D | SHEET

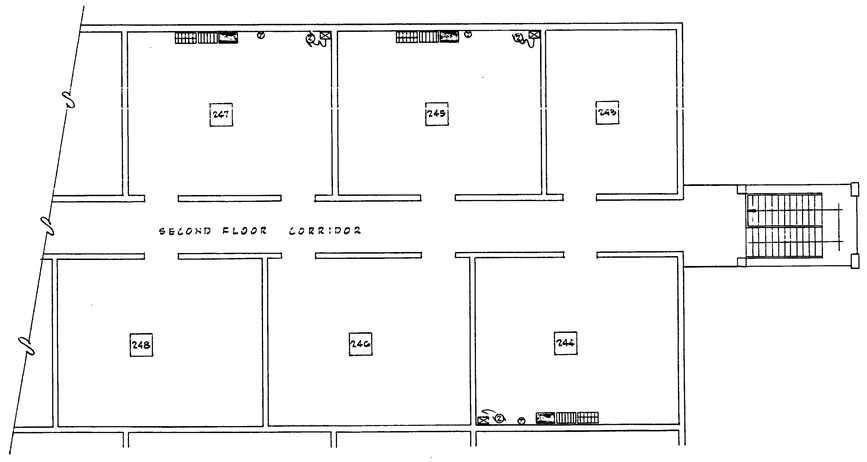
FOR Sub 2-3773

DRAWING NUMBER 6902-S 82/82



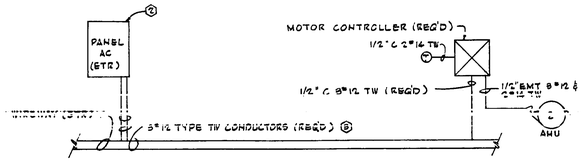
MECHANICAL PLAN - SECOND FLOOR - PARTIAL

SCALE 1/8" = 1'-0"



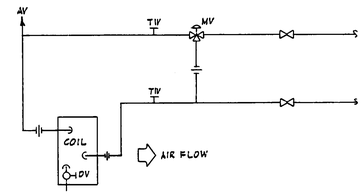
ELECTRICAL PLAN - SECOND FLOOR - PARTIAL

SCALE 1/8" = 1'-0"



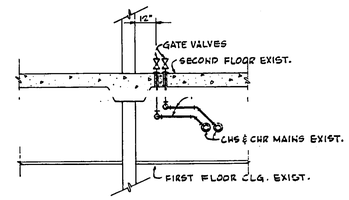
ELECTRICAL DETAIL - TYPICAL

NOT TO SCALE



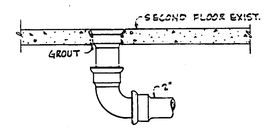
COIL PIPING DIAGRAM

NOT TO SCALE



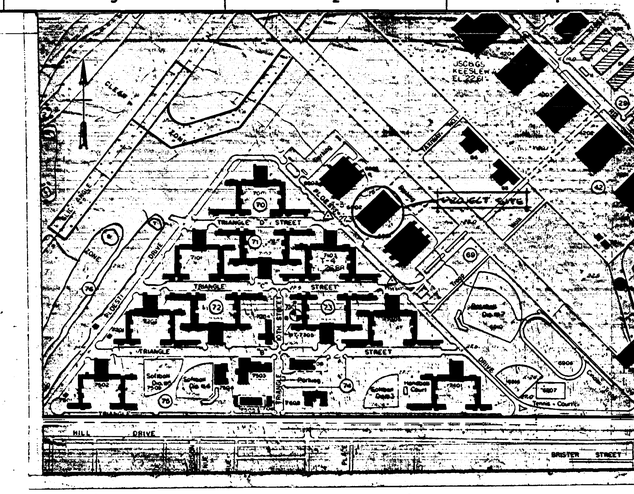
TYPICAL PIPING ROUGH-IN FOR - FAN COIL UNIT

NOT TO SCALE



TYPICAL DRAIN THRU FLOOR

NOT TO SCALE



VICINITY MAP

1" = 400'

· N O T E S ·

1. UNLESS OTHERWISE INDICATED ALL WORK IS REQUIRED
2. CONTRACTOR SHALL INSTALL ONE 20 AMP 3 POLE BRANCH CIRCUIT BREAKER IN EXISTING PANELBOARD. EXISTING PANELBOARD IS A SQUARE D CO. TYPE "NAID" 4 WIRE 3 PHASE 120/208 VOLT WITH SQUARE D TYPE AIR, F FRAME BOLTED CONNECTION, THERMAL MAGNETIC CIRCUIT BREAKERS.
3. EXTEND REQUIRED #12 TYPE "TW" MOTOR BRANCH CIRCUIT CONDUCTORS FROM PANELBOARD CONCEALED IN EXISTING 60 CYCLE AC WIREWAY.
4. ALL EXPOSED ELECTRICAL RACEWAY INSTALLED IN THIS PROJECT SHALL BE PAINTED TO MATCH THE ADJACENT WALL SURFACE

MECHANICAL LEGEND

FCU	FAN COIL UNIT (REQUIRED)
—CD—	CONSENDATE DRAIN
—CHS—	CHILLED WATER SUPPLY
—CHR—	CHILLED WATER RETURN
XXX	ROOM NUMBER
CI	CAST IRON
T	THERMOSTAT
	GATE VALVE
TW	THERMOMETER WELL
AV	AUTOMATIC AIR VENT
MV	MOTORIZED VALVE
	UNION
DV	DRAIN VALVE

ELECTRICAL LEGEND

	CLASSROOM PANEL 120/208 VOLT - 60 CYCLE AC POWER SURFACE MOUNTED (ETR)
	CLASSROOM PANEL 120/208 VOLT - 400 CYCLE AC POWER SURFACE MOUNTED (ETR)
	CLASSROOM PANEL 28 VOLT DC POWER SURFACE MOUNTED (ETR)
	MOTOR CONTROLLER - REQUIRED - SQUARE D COMPANY CLASS 8536 TYPE SG-2 (OR EQUAL) SIZE 0 3 PHASE AC MAGNETIC STARTER WITH START-STOP PUSH BUTTON IN COVER AND TYPE SF-3 CONTROL CIRCUIT FUSE HOLDER
	FAN COIL UNIT BLOWER MOTOR WITH HORSEPOWER INDICATED - REQUIRED
ETR	EXISTING TO REMAIN

FAN COIL UNIT SCHEDULE

NO. REQ'D	TYPE	FAN CFM	FAN MAX. OUTLET VEL. FPM	FAN MAX. S.P.	WATER COOLING COIL ENT. AIR DB	ENT. AIR WB	LEAVE AIR DB	LEAVE AIR WB	TOTAL COOLING BTU/HR	ENT. WAT. K OB	LEAVE WATER OB	MAX. FORCE VEL. FPM	FILTER	REMARKS
3	VERTICAL	550	1200	1/2" MAX. 208V/3PH	80°	66.7°	67.5°	60.7°	61,200	45	55	600	PERMANENT 2" 400 FPM FACE VEL.	UNIT TO BE FURNISHED W/ FRONT DISCHARGE PLENUM

SYMBOL	ZONE	DESCRIPTION	DATE	APPROVAL

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

KEESLER AIR FORCE BASE

BILOXI, MISSISSIPPI

OFFICE OF THE CIVIL ENGINEER

DRAWN BY: BATES

CHECKED BY: CHS

RECOMMENDED: CHIEF ENGINEER

RECOMMENDED: GRADE AND POSITION TITLE, USING AGENCY

SUBMITTED: BASE ENGINEER J.S. MCDERMOTT, COL, USAF

APPROVED: BASE COMMANDER FOR THE COMMAND J.E. KINNEY, COL, USAF

BLK. 69
MODIFY A/C IN BLDG. 6902
VICINITY MAP LEGENDS
FLOOR PLAN NOTES

REVIEW APPROVALS

APPROVED FOR CHIEF, ENGINEERING DIVISION — DATE

APPROVED FOR CHIEF, CONSTRUCTION DIVISION — DATE

APPROVED FOR CHIEF, E&E — DATE

APPROVED FOR FIRE CHIEF — DATE

APPROVED FOR — DATE

FOR USE BY MAJOR COMMAND HEADQUARTERS AND USAF ONLY

SCALE: AS SHOWN — SPEC. 70-0060

DRAWING NUMBER 74-167

IN 1 SHEETS — SHEET 1

DRAWING NUMBER 6902-4 1/1

FIRST FLOOR PLAN PART "A"

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

CLASSROOM - PANELBOARD SCHEDULE

PANEL	VOLTS			MAIN LUG & BUS SIZE	MOUNTING	BRANCHES					CIRCUIT OR REMARKS
CLASS-RM					SURFACE	1	CB	E	70	3	CIRCUIT #1
60 CYCLE	120/208	3	4	125 AMP		1	CB	E	50	3	CIRCUIT #2
				MLO		1	CB	E	30	3	CIRCUIT #3
						9	CB	E	30	2	CIRCUITS #4 THRU #12
						9	CB	-	30	1	SPACE ONLY (#13 THRU #21).
400 CYCLE	120/208	3	4			1	CB	E	70	3	CIRCUIT #1
						1	CB	E	50	3	CIRCUIT #2
						1	CB	E	30	3	CIRCUIT #3
						2	CB	E	30	2	CIRCUITS #4 & 5
						9	CB	-	30	1	SPACE ONLY (#6 THRU #14)

LEGEND

- DUPLEX GROUND TYPE RECEPTACLE (RE'D), 20 AMP, 3 WIRE 125 VOLT. CIRCUIT NUMBER INDICATED.
- DUPLEX GROUND TYPE RECEPTACLE (EXIST.-INSTALLED BY CONTRACTOR), 20 AMP, 3 WIRE, 125 VOLT WITH CIRCUIT NUMBER INDICATED.
- RACEWAY EXPOSED WITH NUMBER OF CONDUCTORS GREATER THAN TWO INDICATED BY HASH MARKS-(RE'D).
- SAFETY SWITCH REQUIRED, SEE DESCRIPTION.
- PANELBOARD - CLASSROOM - SURFACE MOUNTED 120/208 VOLT 60 CYCLE AC CONTRACT INSTALLED.
- PANELBOARD - CLASSROOM - SURFACE MOUNTED 28 VOLT D.C.- CONTRACT INSTALLED.
- PANELBOARD - CLASSROOM - SURFACE MOUNTED 120/208 VOLT 400 CYCLE AC CONTRACT INSTALLED.
- CLASSROOM POWER WIREWAY (CONTRACTOR INSTALLED).
- JUNCTION BOX - WITH CIRCUIT INDICATED
- CB CIRCUIT BREAKER, PLUG-IN BUS DUCT TYPE
- PANELBOARD REQUIRED SEE NOTES ON SHT #2 & 3.
- DENOTES DETAILS, SECTIONS OR ELEVATION
- DENOTES SHEET NUMBER
- (N.I.C.) NOT IN CONTRACT.

KEY PLAN NO SCALE

SYMBOL	ZONE	DESCRIPTION	DATE	APPROVAL
1		REV. PER WORK ORDER NO. 74059	8-27-82	G.E.P.

REVISIONS

UNITED STATES AIR FORCE — KEESLER AIR FORCE BASE, BILOXI, MISSISSIPPI — AIR TRAINING COMMAND
OFFICE OF THE CIVIL ENGINEER

DRAWN BY: Merryville
CHECKED BY: C.H. Sibuthl
RECOMMENDED: CHIEF ENGINEER

BLOCK "G9"
MOD. to TRAINING GEN. BLDG. #6902 (FY - 66)
FLOOR PLAN (PART-A), LEGEND, NOTES
KEY PLAN, SCHEDULE

RECOMMENDED
GRADE AND POSITION TITLE
USING AGENCY
SUBMITTED — BASE ENGINEER: SAMUEL A. WALKER, CPL USAF — DATE 21 Dec 1967
APPROVED — BASE COMMANDER (OR DESIGNEE) SAMUEL A. WALKER, 2Lt.
DATE

SCALE: AS NOTED — SPEC. —
DRAWING NUMBER 67-216
IN 6 SHEETS — SHEET 1

REVIEW APPROVALS
APPROVED FOR FIRE CHIEF — DATE 21 DEC 67
APPROVED FOR SURGEON — DATE 15 DEC 67
APPROVED FOR — DATE
FOR USE BY MAJOR COMMAND HEADQUARTERS AND USAF ONLY

ATC FORM 666, SEP 66

DRAWING NUMBER 6902-3

SECOND FLOOR PLAN PART "A"

SCALE 1/8"=1'-0"

NOTES

1. ALL COMPONENTS OF THE ELECTRICAL SYSTEM TO BE INSTALLED UNDER PROVISIONS OF CONTRACT NBY 75938 HAVE NOT BEEN INDICATED ON DRAWING. ONLY THOSE OUTLETS, SAFETY SWITCHES AND PANELBOARDS PERTINENT TO DESIRED MODIFICATION OR UTILITIZATION OF TRAINING EQUIPMENT HAVE BEEN INDICATED ON DRAWING.
2. EXTEND 3/4" EMT (2"#10 TW) FROM PANELBOARD TO JUNCTION BOX ON LABORATORY BENCH AND DIRECT CONNECT. CONNECT TO 60 CYCLE POWER.
3. INSTALL DUPLEX CONVENIENCE OUTLET WHERE INDICATED AND EXTEND BRANCH CIRCUIT CONDUCTOR IN CONTRACTOR INSTALLED #6000 WIREMOLD RACEWAY. CONNECT OUTLET TO CIRCUIT NUMBER INDICATED. BRANCH CIRCUIT CONDUCTOR SHALL BE #12 TW UNLESS OTHERWISE INDICATED. CONNECT TO 60 CYCLE POWER.
4. EXTEND BRANCH CIRCUIT (4-#8 TW) FROM 400 CYCLE CLASSROOM PANELBOARD (CIRCUIT #2) TO 30 AMP SAFETY SWITCH. INSTALL SWITCH 4FT. ABOVE FLOOR TO BOTTOM. INSTALL 1-15 AMP, 1-20 AMP & 1-25 AMP DUAL ELEMENT FUSETRON.
5. SAME AS NOTE #4, BUT UTILIZE 4-#10 TW CONDUCTORS & CONNECT TO CIRCUIT #5.
6. INSTALL ONE 20 AMP/1 POLE (CIRCUIT #15) BRANCH CIRCUIT BREAKER IN SPACE PROVIDED IN 60 CYCLE CLASSROOM PANELBOARD.
7. INSTALL TWO 20 AMP/1 POLE (CIRCUITS #15 & 14) BRANCH CIRCUIT BREAKERS IN SPACES PROVIDED IN 60 CYCLE CLASSROOM PANELBOARD.
8. INSTALL THREE 20 AMP/1 POLE (CIRCUITS #15, 14 & 15) BRANCH CIRCUIT BREAKERS IN SPACES PROVIDED IN 60 CYCLE CLASSROOM PANELBOARD.
9. INSTALL FOUR 20 AMP/1 POLE (CIRCUITS #15, 14, 15 & 16) BRANCH CIRCUIT BREAKERS IN SPACES PROVIDED IN 60 CYCLE CLASSROOM PANELBOARD.
10. INSTALL FIVE 20 AMP/1 POLE (CIRCUITS #15, 14, 15, 16 & 17) BRANCH CIRCUIT BREAKERS IN SPACES PROVIDED IN 60 CYCLE CLASSROOM PANELBOARD.
11. INSTALL SIX 20 AMP/1 POLE (CIRCUITS #15, 14, 15, 16, 17 & 18) BRANCH CIRCUIT BREAKERS IN SPACES PROVIDED IN 60 CYCLE CLASSROOM PANELBOARD.
12. EQUIPMENT TO BE INSTALLED IN THIS CLASSROOM IN ACCORDANCE WITH GEEIA SCHEME REQUIREMENTS WILL UTILIZE DUPLEX GROUNDABLE RECEPTACLES INSTALLED UNDER PROVISIONS OF CONTRACT. THESE RECEPTACLES WILL BE CONNECTED TO CORRIDOR PANELBOARDS. FINAL CONNECTION WILL BE BY OTHERS.
13. SEE DETAIL SHEETS 4 AND 5 FOR SPECIFIC REQUIREMENTS OF REFERENCED SCHEME IN THIS AREA.
14. EQUIPMENT TO BE INSTALLED IN THIS CLASSROOM IN ACCORDANCE WITH SCHEME REQUIREMENTS WILL UTILIZE BRANCH CIRCUIT BREAKERS THAT WILL BE INSTALLED UNDER PROVISIONS OF BASIC CONTRACT – FINAL CONNECTION AND BRANCH CIRCUIT CONDUCTORS WILL BE FURNISHED & INSTALLED BY OTHERS.
15. INSTALL ONE 15 AMP/3 POLE AND ONE 15 AMP/1 POLE BRANCH CIRCUIT BREAKERS IN SPACES PROVIDED IN 60 CYCLE CLASSROOM PANELBOARD. ONE 30 AMP/3 POLE CIRCUIT BREAKER (CIRCUIT #2) AND ONE 30 AMP/3 POLE CIRCUIT BREAKER (CIRCUIT #3) PROVIDED IN BASIC CONTRACT WILL BE UTILIZED FOR SUPPORT REQUIREMENTS.
16. FURNISH AND INSTALL 70 AMP/3 POLE "E" FRAME PLUG-IN LOW IMPEDANCE BUS DUCT UNIT IN 400 AMP 4W 3Ø 100 GN 60 CYCLE BUS DUCT TO BE PROVIDED IN BASIC CONTRACT. FINAL CONNECTION & INSTALLION OF BRANCH CIRCUIT CONDUCTORS WILL BE BY OTHERS.

(FOR CONTINUATION OF NOTES, SEE SHT. #5).

NOTE: FOR LEGEND SEE SHEET #1

SYMBOL	ZONE	DESCRIPTION	DATE	APPROVAL
2		REVISED TO SUPPORT GEEA SCHEME 0289A	4/11/68	

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

KEESLER AIR FORCE BASE

BILOXI — MISSISSIPPI

OFFICE OF THE CIVIL ENGINEER

DRAWN BY: STANDRIDGE

CHECKED BY: C.H. SENTELL

RECOMMENDED: CHIEF ENGINEER

BLOCK # 69

MOD. to TRAINING GEN. BLDG. #6902 (FY - 66)

FLOOR PLAN (PART A), LEGEND, NOTES

RECOMMENDED: GRADE AND POSITION TITLE, USING AGENCY

SUBMITTED: BASE ENGINEER: SAMUEL A. WALKER, COL USAF — DATE 26 DEC 1967

APPROVED: BASE COMMANDER (OR DEPUTY): SAMUEL A. WALKER, COL USAF — DATE

SCALE: AS NOTED — SPEC. —

DRAWING NUMBER 67-216

IN 6 SHEETS — SHEET 2

REVIEW APPROVALS

APPROVED FOR FIRE CHIEF	DATE 15 DEC 67
APPROVED FOR SURGEON	DATE 15 DEC 67
APPROVED FOR	DATE

FOR USE BY MAJOR COMMAND HEADQUARTERS AND USAF ONLY

ATC FORM 666, SEP 64

6902-3

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

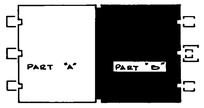
DRAWING NUMBER

FIRST FLOOR PLAN PART "B"

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

NOTES

17. Furnish and install two 4 Ft x 4 Ft x 3/4 in. thick interior grade plywood backboard as indicated in Detail Sheet 5. Furnish and install two 15-Amp, 1-pole branch circuit breakers in space provided in 60-cycle classroom panelboard. 50-amp, 3-pole CB provided in basic contract will be utilized to provide GFCIA requirement. Branch circuit conductors and final connection of same to breaker will be by others.
18. Furnish and install branch circuit panelboard - 4-wire, 3phase, 120/208-volt 100-amp MLO surface-mounted with 10-15-amp, 1-pole, 'E' Frame breakers. Extend feeder (4-#4 TW in 1-1/2"C) from required panelboard in power wireway and raceway (where required) and connect to circuit #1 (70A/3P) in 60-cycle classroom panelboard.
19. Same as Note 18 but install 4 - #6 TW in 1-1/2 in C and power wireway and connect to Circuit #2 (50A/3P) in 60-cycle classroom panelboard.
20. Furnish and install one 30A/3P - Two 20A/1P and four 15A/1P branch circuit breakers in spaces provided in 60-cycle classroom panelboard.
21. Same as Note 20 but install two 20A/1P and three 15A/1P branch circuit breakers.
22. Same as Note 20 but install three 20A/1P and one 15-Amp/1P branch circuit breakers.
23. Same as Note 20 but install two 20A/1P and one 15A/1P branch circuit breakers.
24. Same as Note 20 but install five 20A/1P and four 15A/1P branch circuit breakers.
25. Furnish and install one 150-amp, 3-pole 'J' frame plug-in low impedance bus duct unit in 225-amp, 4-W, 3-phase, 100% SN 60-cycle bus duct to be provided in basic contract. Final connection and installation of branch circuit conductors will be by others.
26. Provide a 2-inch conduit sleeve with insulated bushings through the wall between Room# 252 and 254 in accordance with details on Sheet 4.
27. Furnish and install eight (8) 20-amp/1-pole branch circuit breakers in spaces provided in 60-cycle classroom panelboard.©Circuit #2 (50-amp/3 pole) in this panelboard shall be reserved for future equipment use.
28. Furnish and install branch circuit panelboard - 4-wire, 3-phase solid neutral, 70-amp MLO surface-mounted with 1- 30Amp/1-pole and 1- 20 Amp/1-pole branch circuit breakers.
[illegible] Room #145 and connect to Circuit #2 (30A/3P breaker)
29. Install seven 20/AMP/1 Pole (Circuits 13, 14, 15, 16, 17, 18 & 19) Branch circuit breakers in spaces provided in 60-cycle Classroom Panelboard.
30. Install nine 20/AMP/1 Pole (Circuits 13, 14, 15, 16, 17, 18,19,20/21) Branch circuit breakers in spaces provided in 60-cycle classroom panelboard.
31. Equipment to be installed in this classroom in accordance with Scheme #1222 requirements will utilize 70 Amp/3-pole breaker that will be installed under provisions of basic contract.
32. Furnish and install two 4-foot X 4-foot X 3/4 inch thick interior grade plywood backboard as indicated in detail Sheet 5.
33. Furnish and install 4 inch conduit from 5-foot X 5-foot TACAN antenna pad to Classroom #244. See detail (K/5) on Sheet 5. Conceal conduit above ceiling of Classroom 245 and corridor 260 and stub through ceiling of Classroom #244.



KEY PLAN NO SCALE

NOTE: FOR LEGEND & SCHEDULE SEE SHT. #1

SYMBOL	ZONE	DESCRIPTION	DATE	APPROVAL
1		REVISED BY KAFB CIVIL ENGINEER	+ APPRO	

REVISIONS

UNITED STATES AIR FORCE — KEESLER AIR FORCE BASE, BILOXI, MISSISSIPPI — AIR TRAINING COMMAND
OFFICE OF THE CIVIL ENGINEER

DRAWN BY: Maranville
CHECKED BY: Lt. Col. Sherrell
RECOMMENDED: for CHIEF ENGINEER

BLOCK "69"
MOD. to TRAINING GEN., BLDG. "6902 (FY - 66)
FLOOR PLAN (PART-B), LEGEND, NOTES

RECOMMENDED — GRADE AND POSITION TITLE, USING AGENCY
SUBMITTED: BASE ENGINEER SAMUEL A. WALKER, COL USAF — DATE: 21 Sep 1967
APPROVED: BASE COMMANDER (OR DESIGNEE) SAMUEL A. WALKER, COL USAF — DATE
SCALE: AS NOTED — SPEC. -
DRAWING NUMBER: 67-216 — IN C SHEETS — SHEET 3

REVIEW APPROVALS
APPROVED FOR FIRE CHIEF — DATE 18 Dec 67
APPROVED FOR SURGEON — DATE 18 Dec 67
APPROVED FOR — DATE
FOR USE BY MAJOR COMMAND HEADQUARTERS AND USAF ONLY

6902-3

DRAWING NUMBER

DRAWING NUMBER

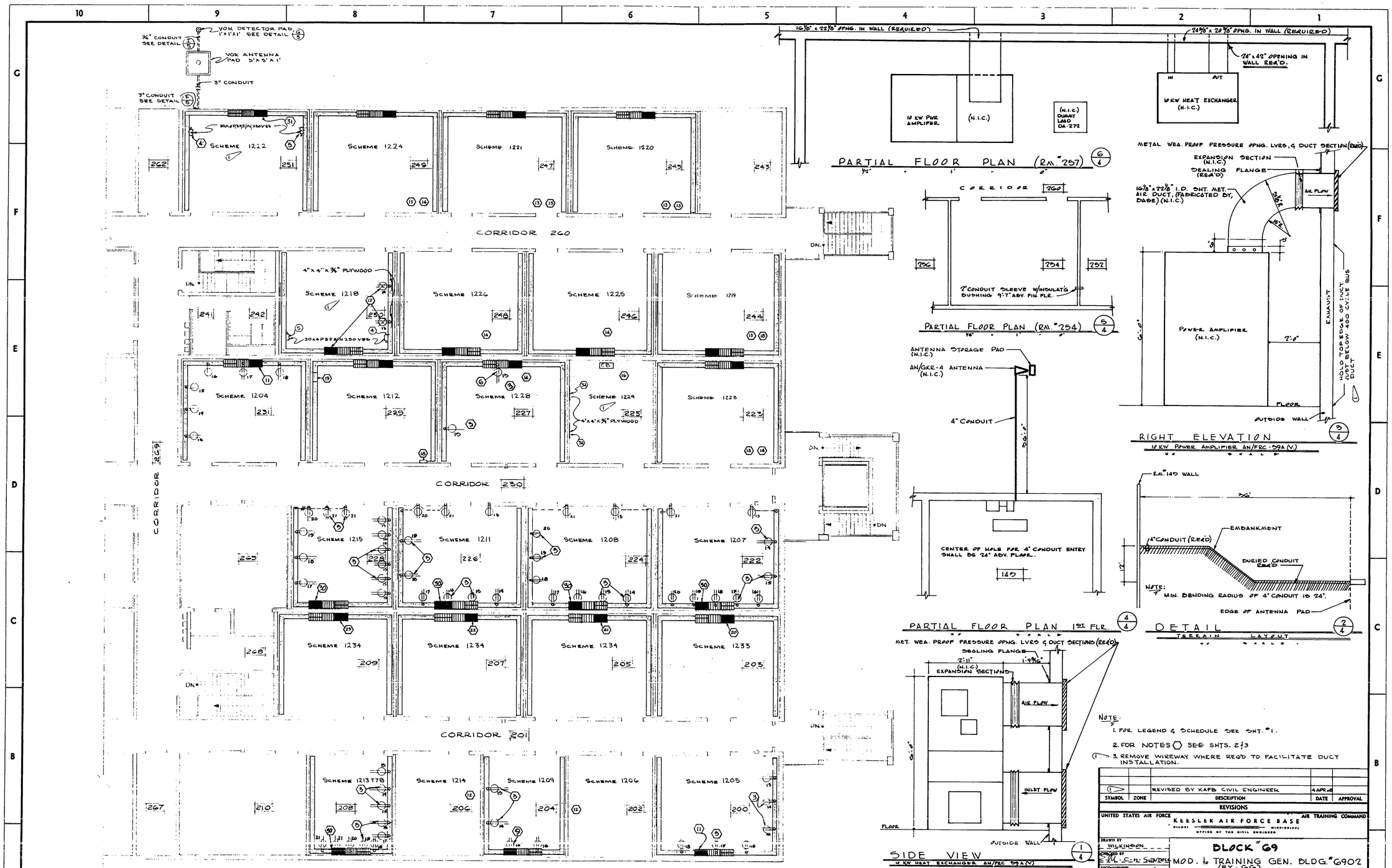
DRAWING NUMBER

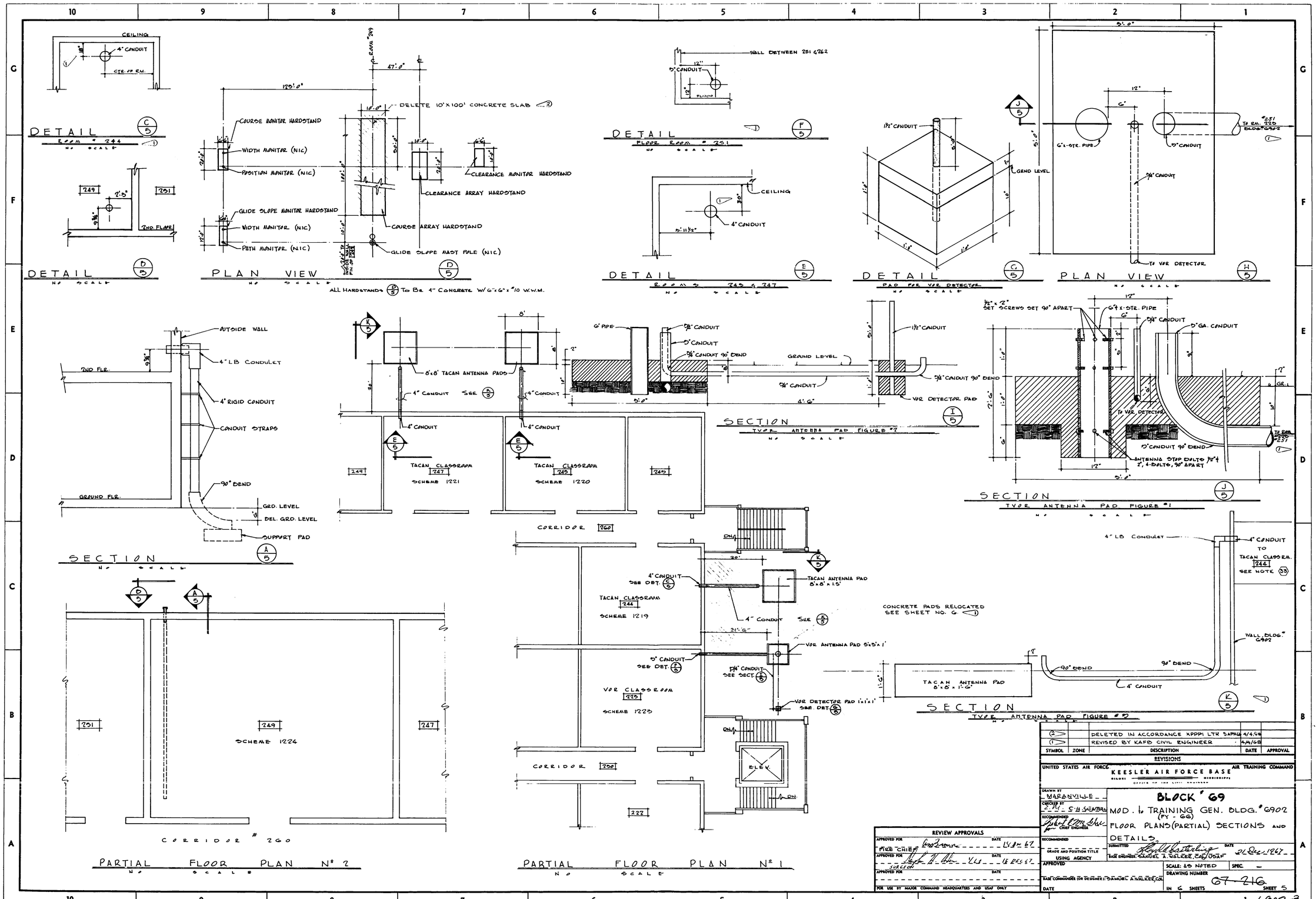
DRAWING NUMBER

3/6

AFC FORM 446, SEP 64

AFFS 5A


VOR DETECTOR PAD 1'x1'x1' SEE DETAIL
3/4" CONDUIT SEE DETAIL
VOR ANTENNA PAD 5'x5'x1'
3" CONDUIT
3" CONDUIT SEE DETAIL
SCHEME 1222
SCHEME 1224
SCHEME 1221
SCHEME 1220
CORRIDOR 260
SCHEME 1218
SCHEME 1226
SCHEME 1225
SCHEME 1219
4"x4"x3/8" PLYWOOD
SCHEME 1204
SCHEME 1212
SCHEME 1228
SCHEME 1229
SCHEME 1223
CORRIDOR 230
CORRIDOR 220
SCHEME 1215
SCHEME 1211
SCHEME 1208
SCHEME 1207
SCHEME 1234
SCHEME 1234
SCHEME 1234
SCHEME 1233
CORRIDOR 201
SCHEME 1213 T78
SCHEME 1214
SCHEME 1209
SCHEME 1206
SCHEME 1205
DN.
SECOND FLOOR PLAN PART "B"
16 1/8" x 22 1/8" OPNG. IN WALL (REQUIRED)
24 3/8" x 28 3/8" OPNG. IN WALL (REQUIRED)
24" x 42" OPENING IN WALL REQ'D.
10 KW PWR AMPLIFER
(N.I.C.)
(N.I.C.) DUMMY LOAD DA-272
10 KW HEAT EXCHANGER (N.I.C.)
IN
OUT
PARTIAL FLOOR PLAN (RM. 257)
CORRIDOR 260
PARTIAL FLOOR PLAN (RM. 254)
ANTENNA STORAGE PAD (N.I.C.)
AN/GKR-4 ANTENNA (N.I.C.)
4" CONDUIT
CENTER OF HOLE FOR 4" CONDUIT ENTRY SHALL BE 24" ABV. FLOOR.
PARTIAL FLOOR PLAN 1ST FLR.
MET. WEA. PROOF PRESSURE OPNG. LVRS. & DUCT SECTION (REQ'D)
SEALING FLANGE
EXPANSION SECTION
AIR FLOW
INLET FLOW
FLOOR
OUTSIDE WALL
SIDE VIEW
10 KW HEAT EXCHANGER AN/FRC-59A(V)
METAL WEA. PROOF PRESSURE OPNG. LVRS. & DUCT SECTION (REQ'D)
EXPANSION SECTION
SEALING FLANGE (REQ'D)
16 1/8" x 22 1/8" I.D. SHT. MET. AIR DUCT, (FABRICATED BY, DABE) (N.I.C.)
AIR FLOW
POWER AMPLIFIER (N.I.C.)
EXHAUST
HOLD TOP EDGE OF DUCT JUST BELOW 460 OVLTAGE BUS DUCT
FLOOR
OUTSIDE WALL
RIGHT ELEVATION
10 KW POWER AMPLIFIER AN/FRC-59A(V)
EMBANKMENT
4" CONDUIT (REQ'D)
BURIED CONDUIT REQ'D
NOTE: MIN. BENDING RADIUS OF 4" CONDUIT IS 24".
EDGE OF ANTENNA PAD
DETAIL
TERRAIN LAYOUT
NOTE:
1. FOR LEGEND & SCHEDULE SEE SHT. #1.
2. FOR NOTES ⬡ SEE SHTS. 2 & 3
3. REMOVE WIREWAY WHERE REQ'D TO FACILITATE DUCT INSTALLATION.
SYMBOL | ZONE | DESCRIPTION | DATE | APPROVAL
REVISED BY KAFB CIVIL ENGINEER | 4 APR 68
REVISIONS
UNITED STATES AIR FORCE
KEESLER AIR FORCE BASE
AIR TRAINING COMMAND
OFFICE OF THE CIVIL ENGINEER
DRAWN BY WILKINSON
BLOCK "G9"
MOD. to TRAINING GEN. BLDG. "6902" (FY-66)
FLOOR PLAN (PART-B), LEGEND, NOTES,
REVIEW APPROVALS
APPROVED FOR FIRE CHIEF
APPROVED FOR SURGEON
APPROVED FOR BASE COMMANDER
FOR USE BY MAJOR COMMAND HEADQUARTERS AND USAF ONLY
SCALE: 1/8" = 1'
SCALE: AS NOTED
DRAWING NUMBER 67-216
SHEET 4
6902-3
DRAWING NUMBER
4/6

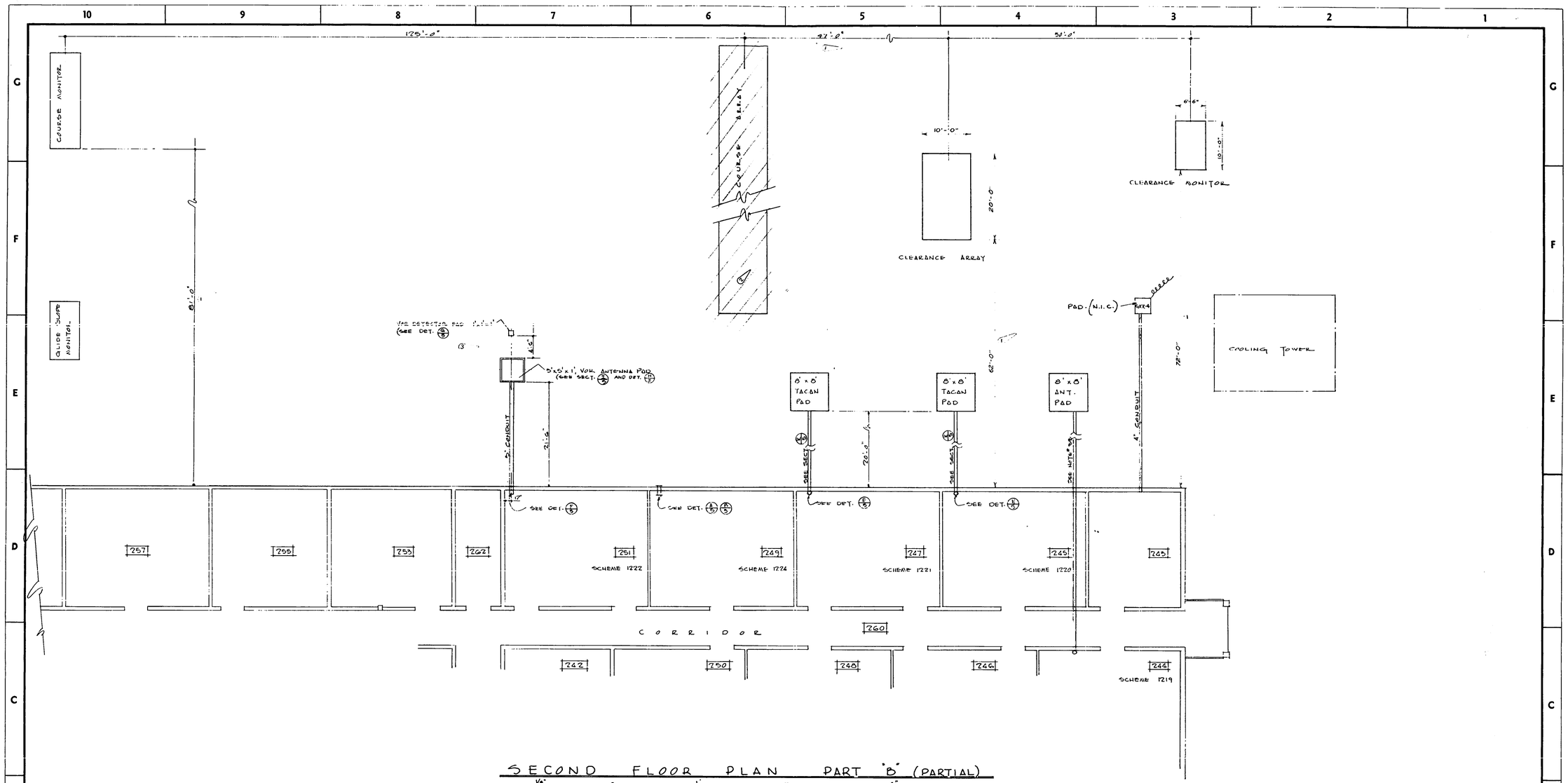


DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER 5/6



SECOND FLOOR PLAN PART "B" (PARTIAL)

1/8" = 1'-0"

SYMBOL	ZONE	DESCRIPTION	DATE	APPROVAL
3		REVISED PER ECRA 68J214	28 APR.68	C.H.S
2		DELETED IN ACCORDANCE XPPPI, LTR., 5 APR. 68	11 APR.68	L.F.T.
1		REVISED BY KAFB CIVIL ENGINEER 68-1214	4 JAN 68	

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

KEESLER AIR FORCE BASE
BILOXI — MISSISSIPPI
OFFICE OF THE CIVIL ENGINEER

DRAWN BY: ED. MARANVILLE
CHECKED BY: SR
RECOMMENDED: CHIEF ENGINEER
RECOMMENDED: GRADE AND POSITION TITLE
USING AGENCY
APPROVED: BASE COMMANDER (OR DESIGNEE) SAMUEL A. WALKER, COL.
DATE

BLOCK #69
MOD. to TRAINING GEN. BLDG. #6902
(PY-66)
FLOOR PLAN (PART-B), LEGEND, NOTES,

SUBMITTED — DATE
BASE ENGINEER: SAMUEL A. WALKER, COL., USAF

SCALE: AS NOTED
SPEC. –
DRAWING NUMBER 67-216
IN 6 SHEETS — SHEET 6

REVIEW APPROVALS

APPROVED FOR — DATE
FILE CHIEF:
APPROVED FOR — DATE
APPROVED FOR — DATE
FOR USE BY MAJOR COMMAND HEADQUARTERS AND USAF ONLY

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

6/9

6902-3

ATC FORM 466, SEP 64

AFPD 8A

SHEET INDEX

F. Nº	SHT. Nº OF SHEETS	FILE Nº	DRAWING Nº	TITLE OR DESCRIPTION
	1		1109293	SHEET INDEX, ABBREVIATIONS, MATERIALS INDICATION
			CIVIL	
1	2		1109294	MAPS, SECTIONS AND DETAILS
2	3		1109295	SITE PLAN
3	4		1109296	DRAINAGE, PROFILES
4	5		1109297	LANDSCAPE PLANTING PLAN
5	6		1109298	LAYOUT AND LOGS OF BORINGS
6	7		1109299	LOG OF BORINGS
			ARCHITECTURAL	
A-1	8		1109300	FLOOR PLANS 1/16" SCALE
A-2	9		1109301	FIRST FLOOR PLAN PART 'A'
A-3	10		1109302	FIRST FLOOR PLAN PART 'B'
A-4	11		1109303	SECOND FLOOR PLAN PART 'A'
A-5	12		1109304	SECOND FLOOR PLAN PART 'B'
A-6	13		1109305	DOOR AND FINISH SCHEDULES
A-7	14		1109306	ELEVATIONS
A-8	15		1109307	ELEVATIONS AND BUILDING SECTIONS
A-9	16		1109308	ROOF PLAN
A-10	17		1109309	TYPICAL WALL SECTIONS
A-11	18		1109310	TYPICAL CLASSROOM DETAILS
A-12	19		1109311	DETAILS - STAIR Nºs 7 AND 8, TOILET ROOMS
A-13	20		1109312	MISCELLANEOUS
A-14	21		1109313	DETAILS - STAIR Nº 2 (STAIRS Nº 1 & Nº 3 SIMILAR)
A-15	22		1109314	DETAILS - STAIR Nº 4 AND FREIGHT ELEVATOR
A-16	23		1109315	DETAILS - STAIR Nº 5 (STAIR Nº 6 SIMILAR) COLOR SCHED.
			STRUCTURAL	
S-1	24		1109316	FIRST FLOOR FRAMING AND FOUNDATION PLAN - PART 'A'
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S-4	27		1109319	SECOND FLOOR FRAMING PLAN - PART 'B'
S-5	28		1109320	ROOF FRAMING PLAN - PART 'A'
S-6	29		1109321	ROOF FRAMING PLAN - PART 'B'
S-7	30		1109322	WALL SECTIONS
S-8	31		1109323	SCHEDULES AND DETAILS
S-9	32		1109324	STAIR DETAILS
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M-2	34		1109326	AIR CONDITIONING PLAN - FIRST FLOOR PART 'B'
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M-4	36		1109328	AIR CONDITIONING PLAN - SECOND FLOOR PART 'B'
M-5	37		1109329	EQUIPMENT ROOM Nº 123 - PLAN AND DETAILS
M-6	38		1109330	EQUIPMENT ROOMS Nº 253 AND 265 - PLANS AND DETAILS
M-7	39		1109331	AIR CONDITIONING EQUIPMENT SCHEDULES
M-8	40		1109332	HEATING, VENTILATING & AIR CONDITIONING CONTROLS SYSTEMS
			PLUMBING	
P-1	41		1109333	MECHANICAL PLOT PLAN
P-2	42		1109334	PLUMBING PLAN - FIRST FLOOR PART 'A'
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P-6	46		1109338	PLUMBING PLAN - LARGE SCALE TOILETS
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E-1	47		1109339	SITE PLAN
E-2	48		1109340	FIRST FLOOR PART 'A' LIGHTING AND SMALL POWER
E-3	49		1109341	FIRST FLOOR PART 'B' LIGHTING AND SMALL POWER
E-4	50		1109342	SECOND FLOOR PART 'A' LIGHTING AND SMALL POWER
E-5	51		1109343	SECOND FLOOR PART 'B' LIGHTING AND SMALL POWER
E-6	52		1109344	FIRST FLOOR PART 'A' POWER
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E-9	55		1109347	SECOND FLOOR PART 'B' POWER
E-10	56		1109348	COMMUNICATIONS
E-11	57		1109349	CIRCUIT SCHEDULE
E-12	58		1109350	SWITCHBOARD DETAILS
E-13	59		1109351	DETAILS
			STANDARD DRAWINGS	

INDICATION OF MATERIALS

SECTION — LARGE SCALE / SMALL SCALE — ELEVATION

- CONCRETE
- CONCRETE BLOCK (C.M.U.)
- GLAZED STRUCTURAL UNITS (G.S.U.)
- CERAMIC TILE (TILE, SETTING BED)
- PLASTER OR GYPSUM BOARD
- INSULATION
- METAL
- PRECAST CONC. PANELS
- MARBLE
- WOOD (STRUCTURAL OR BLOCKING)
- WOOD (FINISH)
- EARTH

ABBREVIATIONS:

ALUM. = ALUMINUM
A.T. = ASPHALT TILE
B/U, B.U. = BUILT-UP
BD. = BOARD
CEM. = CEMENT
CLG. = CEILING
℄ = CENTER LINE
COMM. = COMMUNICATION
CONC. = CONCRETE
C.M.U. = CONCRETE MASONRY UNITS
C.T. = CERAMIC TILE
C.B. = CHALKBOARD
C.B'N. = CATCH BASIN
DIST. = DISTRIBUTION
DN. = DOWN
D.I. = DROP INLET
ELEV. = ELEVATION
ELECT. = ELECTRIC OR ELECTRICAL
EQUIP. = EQUIPMENT
E.D.F. = ELECTRIC DRINKING FOUNTAIN
EXPAN. = EXPANSION
EXT. = EXTERIOR
EXIST. = EXISTING
FLR. = FLOOR
G.S.U. = GLAZED STRUCTURAL UNITS
GYP. = GYPSUM
HR. = HOUR
INT. = INTERIOR
INV. = INVERT
JAN. = JANITOR
JNT. = JOINT
K.C. = KEENE'S CEMENT
L. = LAVATORY
MECH. = MECHANICAL
MET. = METAL
MFGR. = MANUFACTURER
M.H. = MANHOLE
MAR. = MARBLE
Nº = NUMBER
OPNG. = OPENING
OFF. = OFFICE
PART'N. = PARTITION
PERF. = PERFORATED
PLAS. = PLASTER
PL. = PLATE
REQ'D. = REQUIRED
R.D. = ROOF DRAIN
RM. = ROOM
REF. = REFERENCE
SHT. = SHEET
STL. = STEEL
SQ. FT. = SQUARE FEET
S.S. = STAINLESS STEEL
S. = SINK
TH. = THRESHOLD
TYP. = TYPICAL
U. = URINAL
W.C. = WATER CLOSET
PTH = PAPER TOWEL HOLDER

SYMBOLS:

- ROOM NUMBERS
- RM. FINISH INDICATOR. SEE SHT. A-6
- STRUCTURAL GRID
- DOOR SCHEDULE REFERENCE
- A-1 / A-1 — DETAIL LETTER, IN ALPHABETICAL ORDER STARTING WITH 'A' ON EACH SHEET; SHEET NUMBER = REFERENCE NUMBER OF SHEET ON WHICH DETAIL OR SECTION IS LOCATED. } DETAIL INDICATOR

DETAIL INDICATORS ARE GENERALLY REFERENCED FROM THE PLAN OR SECTION TO THE DETAIL.

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED

RECORD DRAWING
DATE 1-29-69

SHEET REF. Nº

R. W. NAEF & ASSOC.
ARCHITECTS & ENGINEERS

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

DES JY | DR JY | CHK JPH
SUPV JPH | CH ENGR
SUBMITTED BY | DATE
FIRM MEMBER (TITLE) CONSULTR 1/7/66
DPWO | RVD
MGR. | DIR.
APPROVED
OFFICER IN CHARGE
APPROVED FOR BUDOCKS | DATE
DPWO FOR CHIEF OF BUREAU

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW TRAINING GENERAL (DFRP)
FACILITY FY-66
SHEET INDEX, ABBREVIATIONS, MATERIALS INDICATION

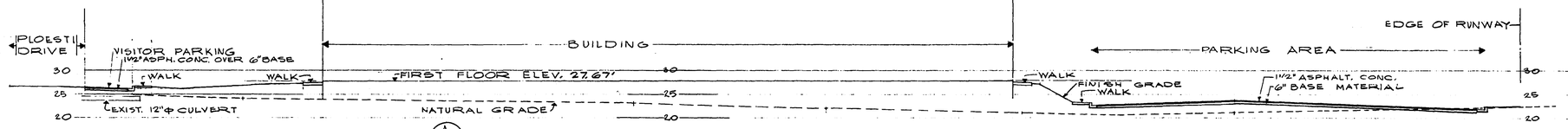
CODE IDENT No. 80091 | SIZE F | Y & D DRAWING No. 1109293
SCALE NONE | SPEC 75838/66 Nby 75838 | SHEET 1 OF 59

P/O

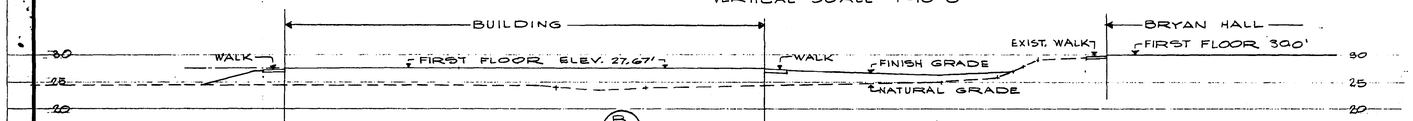
BIL-6027 6902-1

DRAWING NUMBER 6902-1 1/59

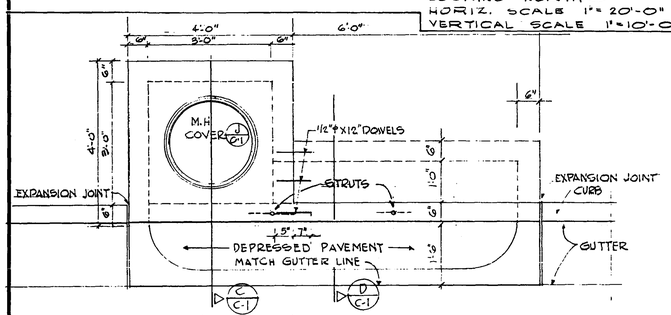
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



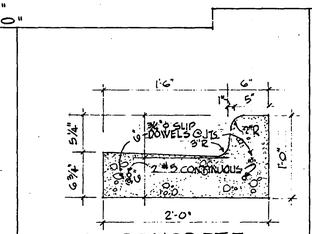
SECTION (A / C-1) THRU BUILDING AND PARKING AREA
LOOKING WEST
HORIZ. SCALE 1" = 20'-0"
VERTICAL SCALE 1" = 10'-0"



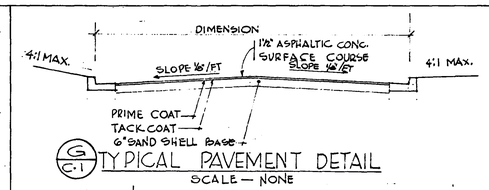
SECTION (B / C-1) THRU BUILDING
LOOKING NORTH
HORIZ. SCALE 1" = 20'-0"
VERTICAL SCALE 1" = 10'-0"



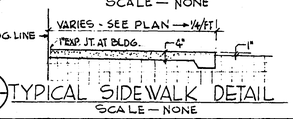
PLAN OF CURB INLET
SCALE 3/4" = 1'-0"



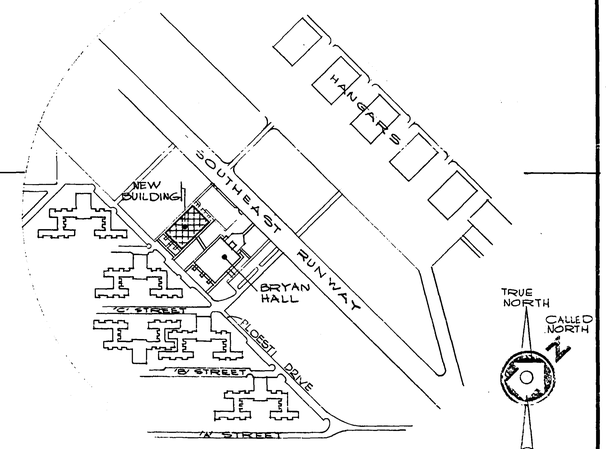
(F / C-1) CONCRETE CURB & GUTTER
SCALE - NONE
½" EXP. JTS. @ 30'-0" O.C.



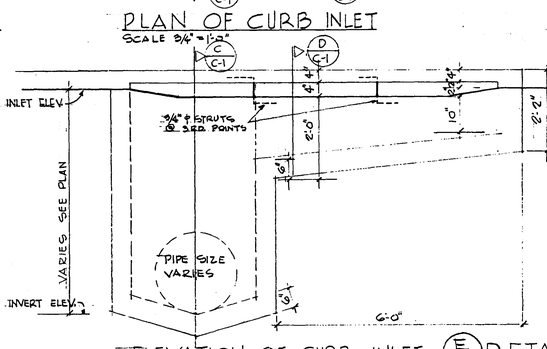
(G / C-1) TYPICAL PAVEMENT DETAIL
SCALE — NONE



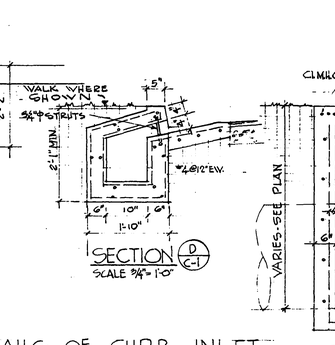
(H / C-1) TYPICAL SIDEWALK DETAIL
SCALE — NONE



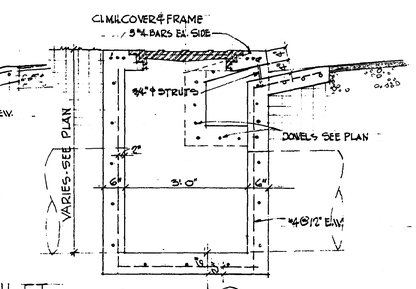
BASE MAP
SCALE 1" = 400'-0"



ELEVATION OF CURB INLET (E / C-1)
SCALE 3/4" = 1'-0"

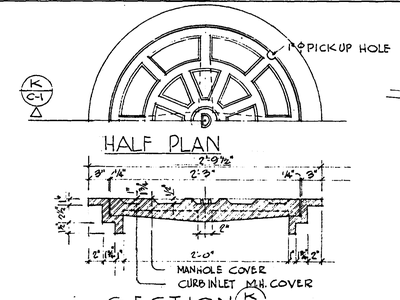


SECTION (D / C-1)
SCALE 3/4" = 1'-0"



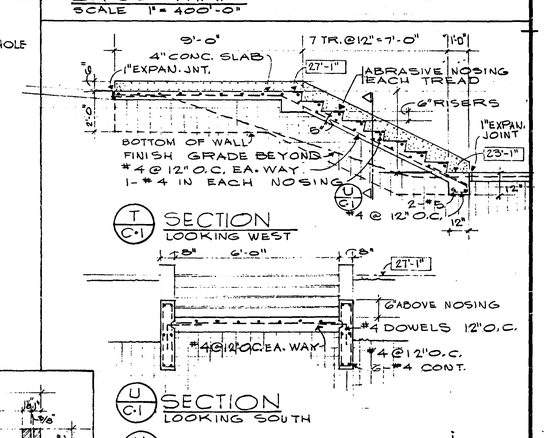
SECTION (C / C-1)
SCALE 3/4" = 1'-0"

DETAILS OF CURB INLET



SECTION (K / C-1)

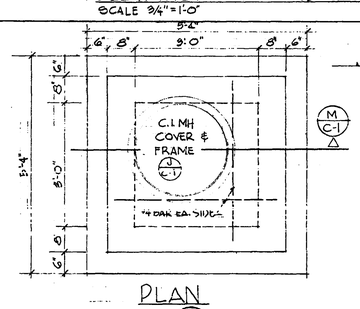
(J / C-1) DETAILS OF MANHOLE COVER AND FRAME
SCALE 1½" = 1'-0"



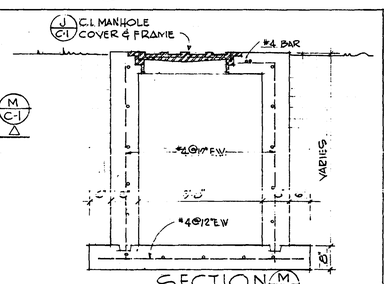
(T / C-1) SECTION LOOKING WEST

(U / C-1) SECTION LOOKING SOUTH

(V / C-1) DETAILS - STAIR No 9
SCALE 3/8" = 1'-0"

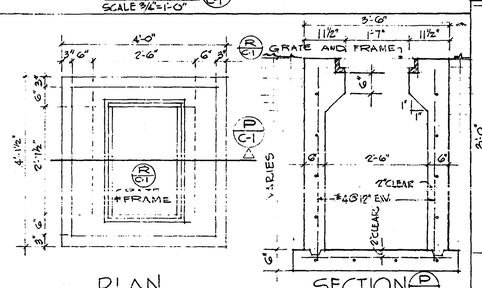


PLAN (M / C-1)



SECTION (M / C-1)

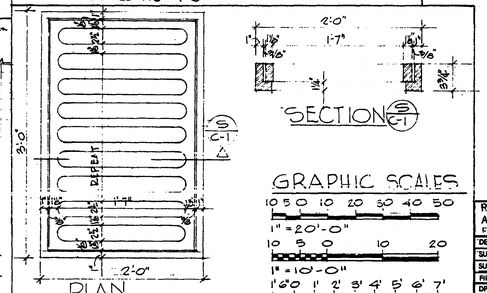
(L / C-1) DETAIL OF MANHOLE
SCALE 3/4" = 1'-0"



PLAN (P / C-1)

SECTION (P / C-1)

(N / G-1) DETAIL OF CATCH BASIN
SCALE 3/4" = 1'-0"



PLAN (S / C-1)

(R / C-1) DETAIL OF GRATE AND FRAME
SCALE 1½" = 1'-0"

GRAPHIC SCALES
1" = 20'-0"
1" = 10'-0"
3/8" = 1'-0"
3/4" = 1'-0"

RECORD DRAWING
DATE 1-29-69

SHEET REF. No (1) 01

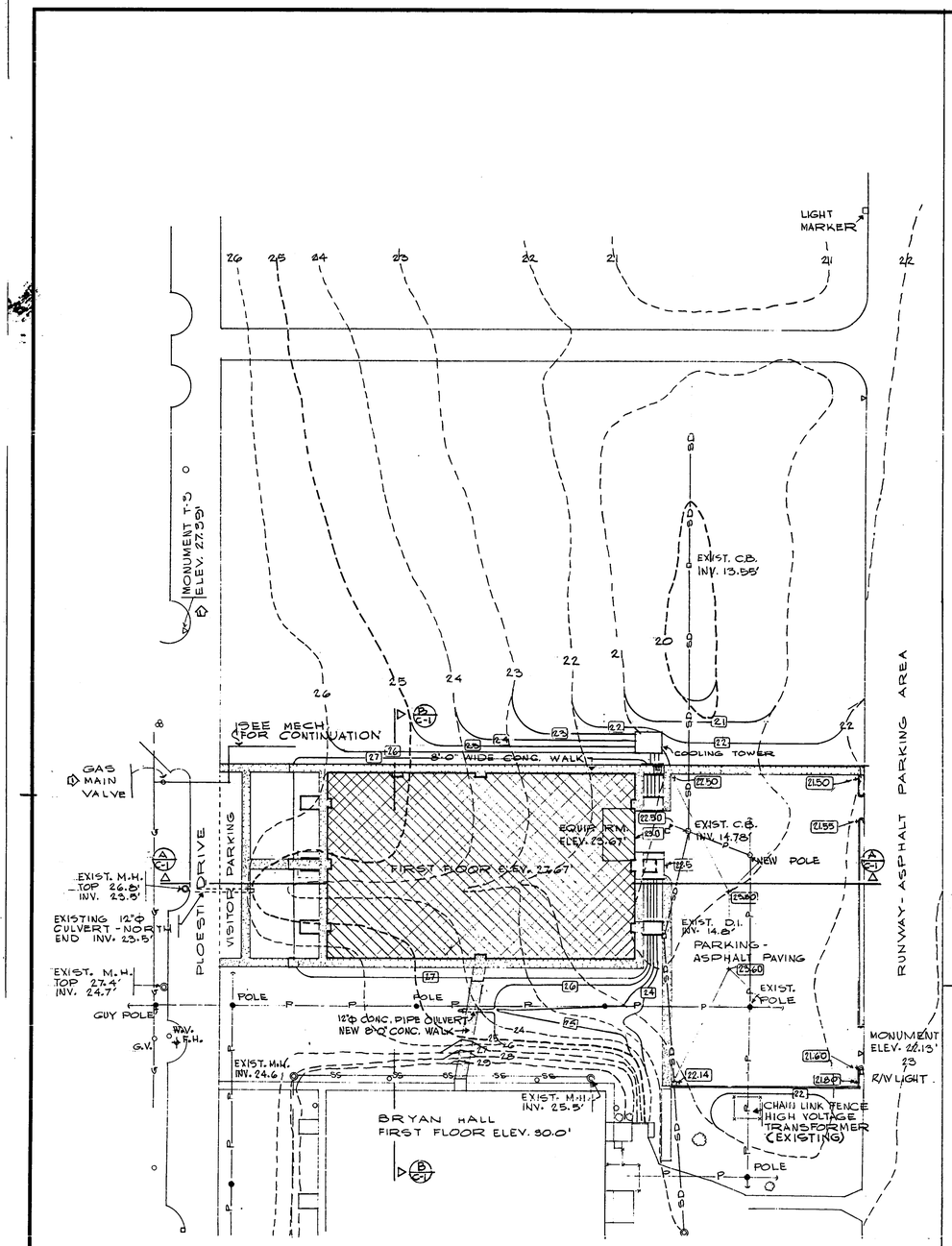
R. W. NAFF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.	
DES JY / DR WLG / CHK JFH SUPV JFH / CH ENGR SUBMITTED BY ____ DATE FIRM MEMBER (TITLE)	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66 MAPS, SECTIONS AND DETAILS	
DPWO ____ RVD ____ MGR ____ DIR ____ APPROVED ____ DATE	CODE IDENT No. 80091	SIZE F	Y & D DRAWING No. 1109 294
OFFICER IN CHARGE APPROVED FOR BUDOCKS ____ DATE DPWO FOR CHIEF OF BUREAU	SCALE SHOWN	SPEC 75-658/66 NBy75858	SHEET 2 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER 2/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		AS-BUILT	11/17/69	

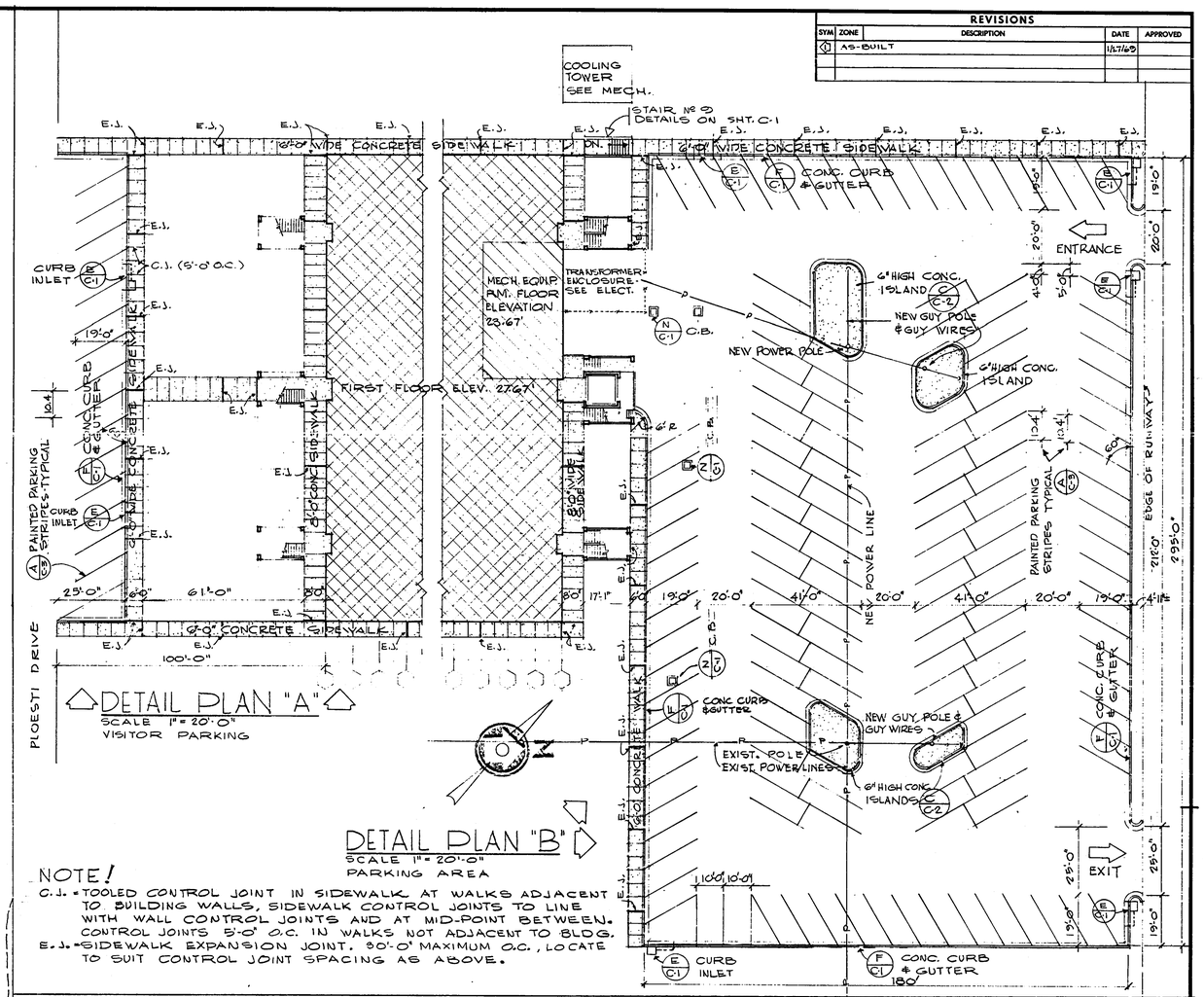


PAVING & GRADING PLAN

SCALE 1" = 50'-0"

LEGEND

26	EXISTING CONTOUR } CONTOUR INTERVAL = ONE FOOT
26	FINISH CONTOUR }
26.00'	EXISTING SPOT GRADE
26.00	FINISH SPOT GRADE
C.B.	CATCH BASIN



DETAIL PLAN "A"

SCALE 1" = 20'-0"
VISITOR PARKING

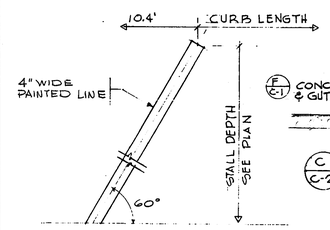
DETAIL PLAN "B"

SCALE 1" = 20'-0"
PARKING AREA

NOTE!

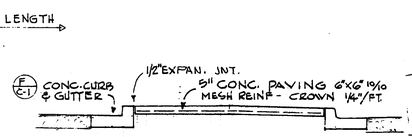
C.J. = TOOLED CONTROL JOINT IN SIDEWALK AT WALKS ADJACENT TO BUILDING WALLS, SIDEWALK CONTROL JOINTS TO LINE WITH WALL CONTROL JOINTS AND AT MID-POINT BETWEEN. CONTROL JOINTS 5'-0" O.C. IN WALKS NOT ADJACENT TO BLDG.

E.J. = SIDEWALK EXPANSION JOINT. 30'-0" MAXIMUM O.C., LOCATE TO SUIT CONTROL JOINT SPACING AS ABOVE.



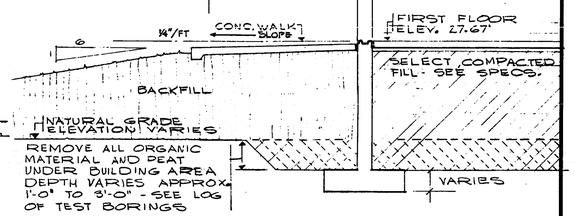
A C-2 DETAIL OF PAINTED LINES

NOT TO SCALE



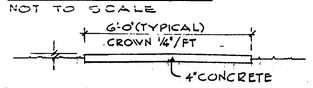
C C-2 6" HIGH CONCRETE ISLANDS

SCALE 3/8" = 1'-0"



B C-2 DETAIL SCHEMATIC OF FOOTING BEARING

SCALE 3/8" = 1'-0"



D C-2 TYPICAL CONCRETE SIDEWALK

SCALE 3/8" = 1'-0"

GRAPHIC SCALES

1" = 50'-0"
1" = 20'-0"
3/8" = 1'-0"

RECORD DRAWING
DATE 1-29-69

SHEET REF. No

H. W. MAPP & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES JY / DRWLG / CHK JFH	KEESLER AIR FORCE BASE — BILOXI, MISSISSIPPI — NEW, TRAINING GENERAL (DFRP) — FACILITY FY-68
SUPV JFH / CH ENGR	SITE PLAN
SUBMITTED BY / DATE	
FIRM MEMBER (TITLE) OWNER 12-68	
DPWO / RVD	
MGR. S. Inc. / DIR.	
APPROVED / DATE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109295
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	
DPWO FOR CHIEF OF BUREAU	SCALE SHOWN — SPEC 70858/66 NBy76858 — SHEET 3 OF 59

DRAWING NUMBER

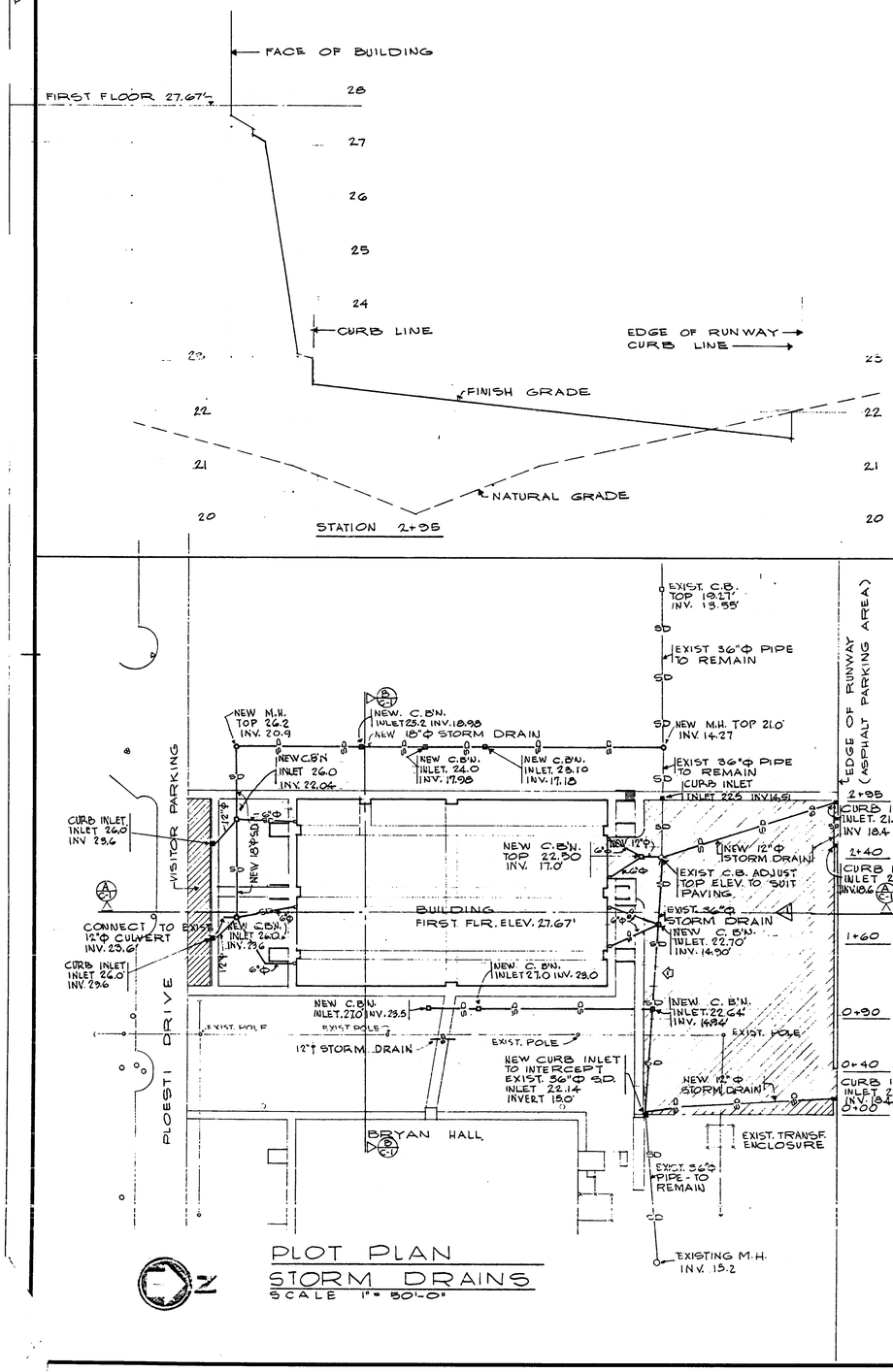
DRAWING NUMBER

DRAWING NUMBER

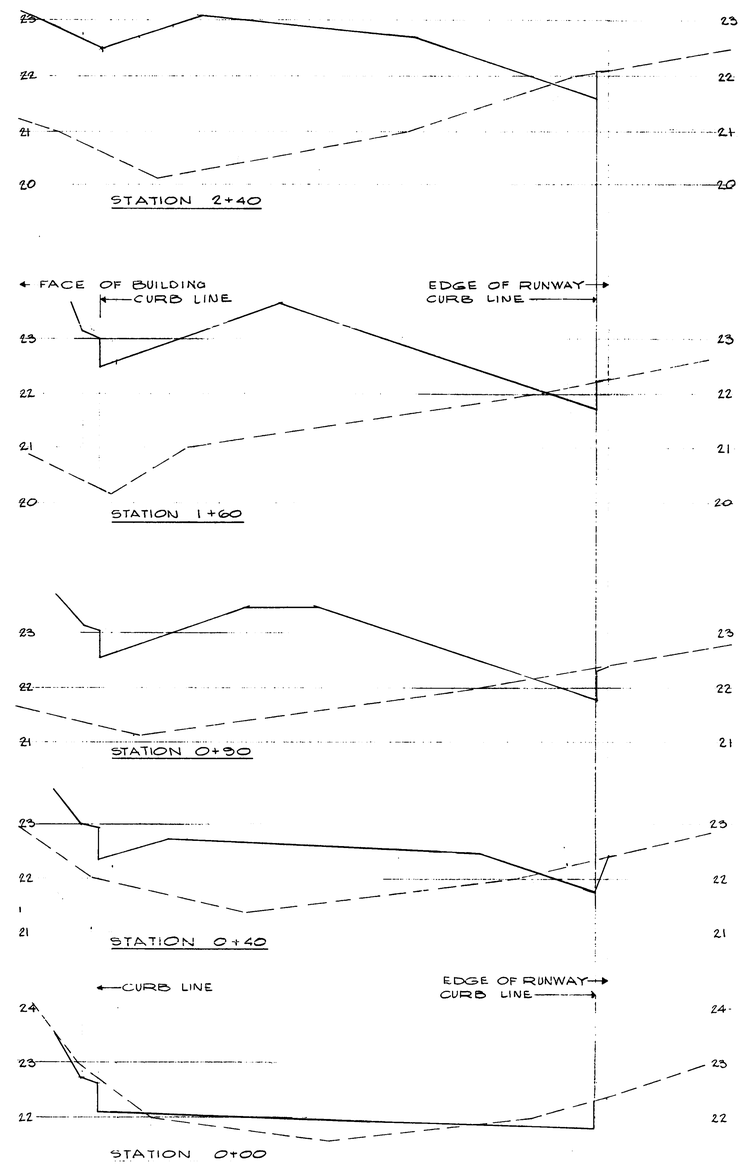
DRAWING NUMBER 3/59

P/O

Bit-6027 6902-1



PLOT PLAN
STORM DRAINS
SCALE 1" = 50'-0"



PARKING LOT PROFILES
HORIZ. SCALE 1" = 20'-0"
VERTICAL SCALE 1" = 1'-0"

LEGEND:
——— FINISH GRADE
- - - - NATURAL GRADE

GRAPHIC SCALE
1" = 50'-0"
1" = 20'-0"
1" = 1'-0"

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		AS-BUILT	1/27/69	

RECORD DRAWING
DATE 1-29-69
SHEET REF. NO. (1) 8

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW. TRAINING GENERAL (DFRP)
FACILITY FY-66

DRAINAGE PROFILES

DESWLG | DRWLG | CHKJFH
SUPV JFH | CH ENGR
SUBMITTED BY | DATE
FIRM MEMBER (TITLE) OWNER 1-7-69
DPWO
MGR
APPROVED | DATE 6/20/66
OFFICER IN CHARGE
APPROVED FOR BUDOCKS | DATE
DPWO FOR CHIEF OF BUREAU

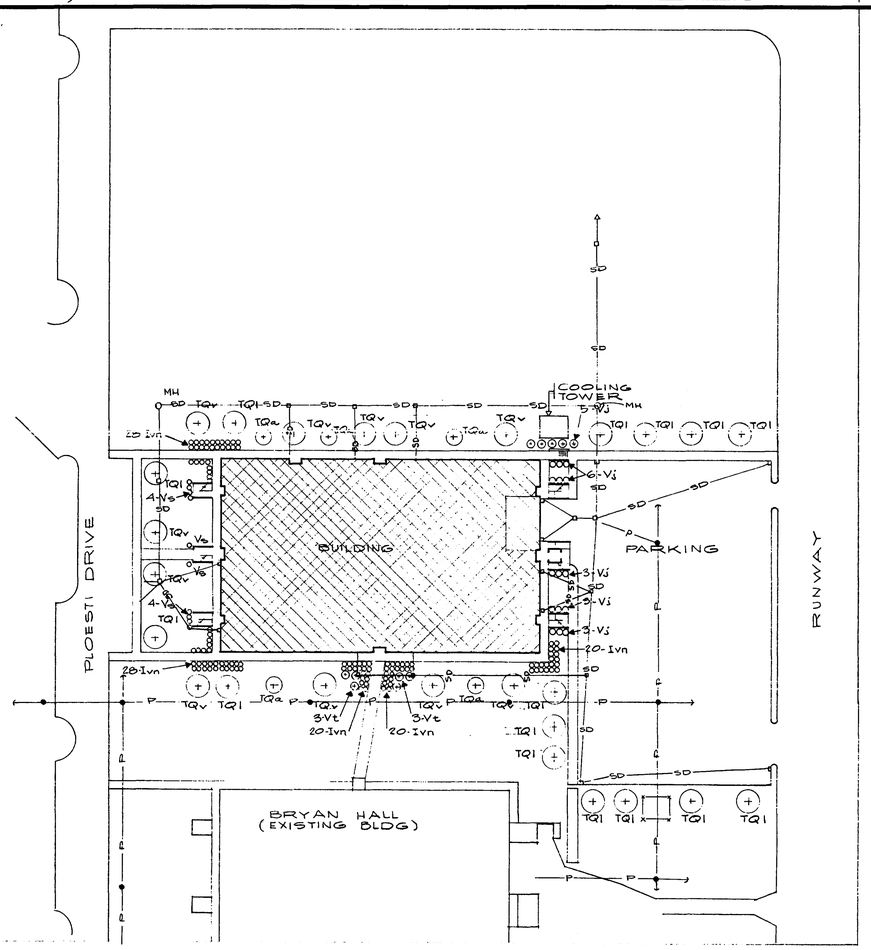
CODE IDENT No. 80091 | SIZE F | Y & D DRAWING No. 1109 296
SCALE SHOWN | SPEC 79-858/66 NBy 78838 | SHEET 4 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER
4/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



LANDSCAPE PLANTING PLAN

SCALE 1" = 50'-0"

LEGEND:

—P— POWER LINE

—SD— STORM DRAIN

○ PROPOSED SHRUB

⊕ PROPOSED TREE

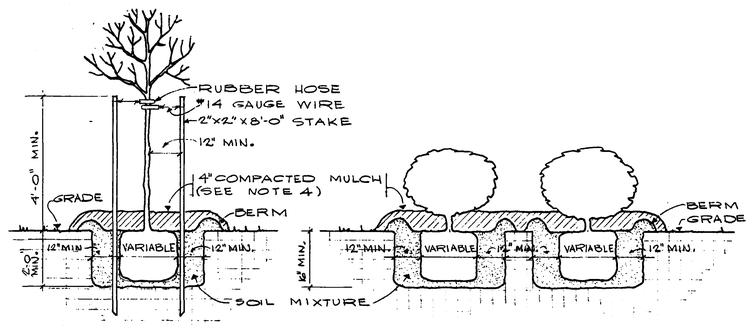
LIST OF PLANTS TO BE FURNISHED

ITEM	KEY	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER OR MAIN SPREAD	DUG	MIN. BALL	QUANTITY
		SHADE TREES						
1	TQl	QUERCUS LAURIFOLIA	LAUREL OAK	8'-10'	1 1/4" - 1 1/2"	BB	18"	15
2	TQv	QUERCUS VIRGINIANA	LIVE OAK	8'-10'	1 1/4" - 1 1/2"	BB	18"	11
		SMALL AND FLOWERING TREES						
3	TQa	QUERCUS ACUTA	JAPANESE EVERGREEN OAK	5'-6'	1/2" - 3/4"	BB	16"	5
		SHRUBS						
4	Ivn	ILEX VOMITORIA NANA	DWARF YAUPON	—	15" - 18"	BB	10"	116
5	Vj	VIBURNUM JAPONICUM	JAPANESE VIBURNUM	2 1/2'-3'	18"	BB	12"	20
6	Vs	VIBURNUM SUSPENSUM	SANDANKWA VIBURNUM	—	2'-2 1/2"	BB	13"	10
7	Vt	VIBURNUM TINUS	LAURESTINUS VIBURNUM	2 1/2'-3'	18"	BB	12"	6

NOTES

1. BOTANICAL AND COMMON NAMES CONFORM WITH STANDARDIZED PLANT NAMES.
2. HOLES TO RECEIVE PLANTS SHALL BE AT LEAST 2 FT. GREATER THAN DIAMETER OF PLANT BALL.
3. PLANTINGS SHALL BE ADJUSTED ON THE SITE TO AVOID CONFLICT WITH OVERHEAD POWER LINES, UNDERGROUND UTILITIES AND SURFACE DRAINAGEWAYS.
4. MULCH IN SHRUB PLANTINGS SHALL COVER THE AREA BETWEEN SHRUBS AND SHALL EXTEND OVER THE BERMS IN THE SHRUB BEDS.
5. ALL TREES AND SHRUBS SHALL BE NURSERY-GROWN, ROOT-PRUNED STOCK.

DETAILS FOR PLANTING AND STAKING



BALLED AND BURLAPPED TREES — BALLED AND BURLAPPED SHRUBS

NOT TO SCALE

GRAPHIC SCALE

10 0 20 40 60 80 100 120 140 160

1" = 50'-0"

RECORD DRAWING

DATE 1-29-69

SHEET REF. NO. 1109 297

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY	BUREAU OF YARDS & DOCKS
DES JY / DR JY / CHK JFH	GULF DIVISION NEW ORLEANS, LA. 70140	
SUPV JFH / CH ENGR	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI	
SUBMITTED BY / DATE	NEW. TRAINING GENERAL (DFRP) FACILITY FY-68	
FIRM MEMBER (TITLE) OWNER 1-7-69	LANDSCAPE PLANTING PLAN	
DPWO / RVD. / DRAWN		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F
OFFICER IN CHARGE	Y & D DRAWING No. 1109 297	
APPROVED FOR BUDOCKS / DATE		
DIRECTOR FOR CHIEF OF BUREAU	SCALE SHOWN	SPEC 75858/66 NBY 75858 SHEET 9 OF 59

P/O

~~BIL-6027~~ 6902-1

DRAWING NUMBER

DRAWING NUMBER

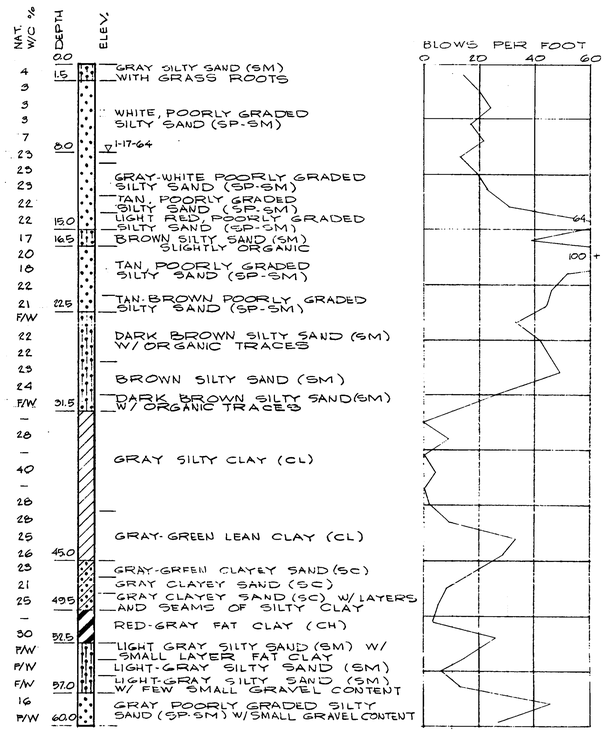
DRAWING NUMBER

DRAWING NUMBER

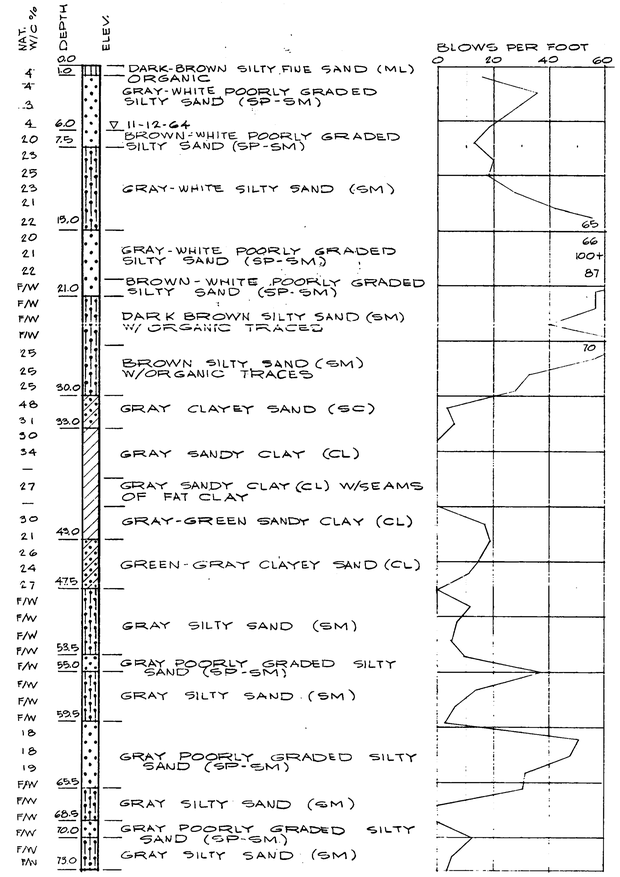
5/59

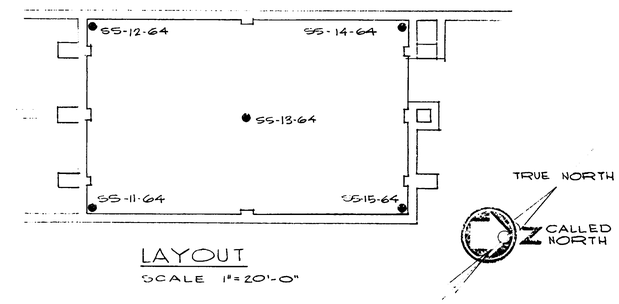
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED

SS-11-64



SS-12-64





LAYOUT

SCALE 1" = 20'-0"

NOTES:

1. GROUND-WATER DEPTHS SHOWN ON THE BORING LOGS REPRESENT GROUND-WATER SURFACES ENCOUNTERED ON THE DATES SHOWN. ABSENCE OF WATER SURFACE DATA ON CERTAIN BORINGS IMPLIES THAT NO GROUND-WATER DATA IS AVAILABLE, BUT DOES NOT NECESSARILY MEAN THAT GROUND-WATER WILL NOT BE ENCOUNTERED AT THE LOCATIONS OR WITHIN THE VERTICAL REACHES OF THESE BORINGS.
2. WHILE THESE BORINGS ARE REPRESENTATIVE OF SUB-SURFACE CONDITIONS AT THEIR RESPECTIVE LOCATIONS AND FOR THEIR RESPECTIVE VERTICAL REACHES, LOCAL MINOR VARIATIONS IN CHARACTERISTICS OF THE SUBSURFACE MATERIALS OF THE REGION ARE ANTICIPATED AND, IF ENCOUNTERED, SUCH VARIATIONS WILL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THE DESCRIPTION SHOWN WITH THE LOGS OR PROFILES.
3. SOILS ARE CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, MILITARY STANDARD 619 A, DATED 20 MARCH, 1962.
4. DRIVING RESISTANCES ARE SHOWN GRAPHICALLY. BLOWS PER FOOT ARE DETERMINED WITH A STANDARD SPLIT SPOON SAMPLER (1 3/8" I.D., 2" O.D.) AND A 140 LB. DRIVING HAMMER WITH A 30" DROP.
5. LOGS OF BORINGS ARE BASED ON LOGS PREPARED BY THE U.S. ARMY ENGINEER DISTRICT, MOBILE CORPS OF ENGINEERS, MOBILE ALABAMA.

LEGEND:

SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.
SM	SILTY SANDS, SAND-SILT MIXTURES
SC	CLAYEY SANDS, SAND-CLAY MIXTURES
ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SAND OR CLAYEY SILTS W/SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
PL	PEAT AND OTHER HIGHLY ORGANIC SOILS
▽	GROUND WATER DEPTHS AND DATES OBSERVED.
F/W	FREE WATER

GRAPHIC SCALE

5 0 5 10

VERTICAL SCALE
1" = 5'-0"

RECORD DRAWING
DATE 1-29-69

SHEET REF. NO. (1) 0 5 (2)

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY	BUREAU OF YARDS & DOCKS
DES MOD / DR J.Y. / CHK JFH	GULF DIVISION NEW ORLEANS, LA. 70140	
SUPV. JFH / CH ENGR	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI	
SUBMITTED BY / DATE	NEW. TRAINING GENERAL (DFRP) FACILITY FY-66	
FIRM MEMBER (TITLE) / DATE 1-7-69	LAYOUT AND LOGS OF BORINGS	
DPWO MGR / RVD. / OR		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F / Y & D DRAWING No. 1109 298
OFFICER IN CHARGE		
APPROVED FOR BUDOCKS / DATE		
DIRECTOR FOR CHIEF OF BUREAU	SCALE SHOWN	SPEC 75-838/66 NBy 75838 / SHEET 6 OF 59

P/O

~~BIL-6027~~ 6902-1

DRAWING NUMBER

DRAWING NUMBER

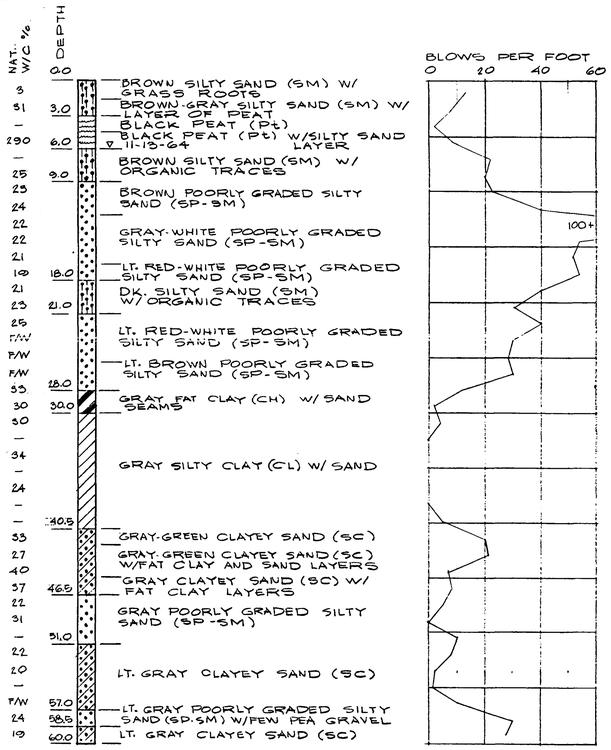
DRAWING NUMBER

DRAWING NUMBER

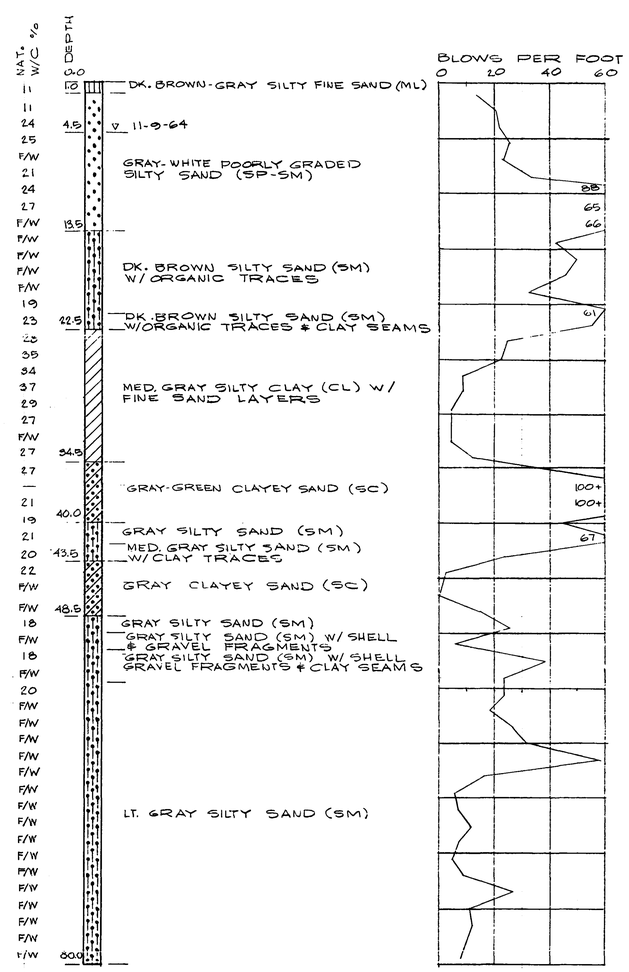
6/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED

SS-13-64

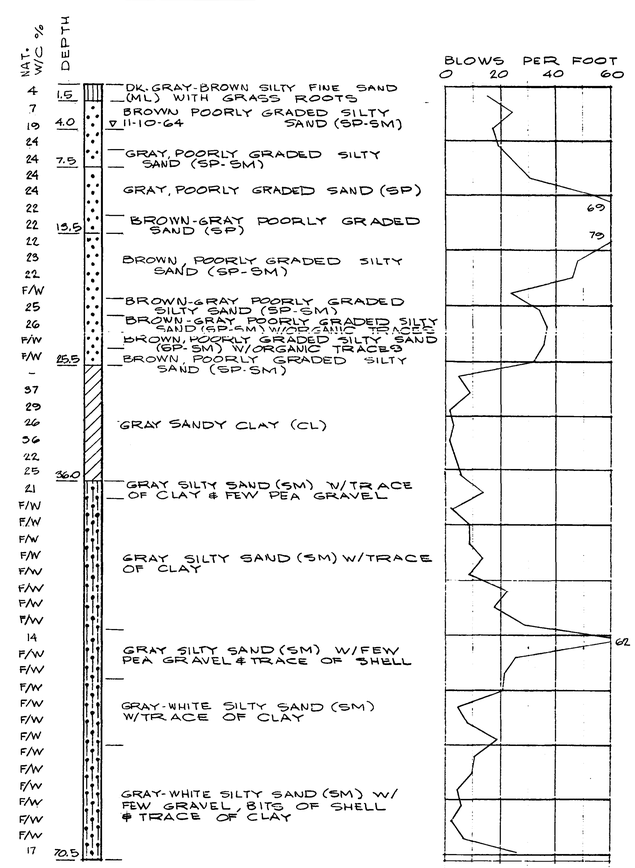


SS-14-64



VERTICAL SCALE 1" = 5'-0"

SS-15-64



NOTE / SEE PREVIOUS SHEET FOR LAYOUT OF BORINGS, NOTES AND LEGEND.

GRAPHIC SCALE
5 0 5 10
VERTICAL SCALE
1" = 5'-0"

RECORD DRAWING
DATE 1-29-69

SHEET REF. No
(1) o (5)

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — GULF DIVISION, NEW ORLEANS, LA. 70140	
DESMDO / DRJY / CHK JFH	KEESLER AIR FORCE BASE, BILOXI, MISSISSIPPI — NEW TRAINING GENERAL (DFRP) FACILITY FY65	
SUPV JFH / CH ENGR	LOG OF BORINGS	
SUBMITTED BY / DATE		
FIRM MEMBER (TITLE) OWNER / DATE		
DFWO / RVD		
NGM / DRAWN		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F
OFFICER IN CHARGE	Y & D DRAWING No. 1109 299	
APPROVED FOR BUDOCKS / DATE		
DIRECTOR FOR CHIEF OF BUREAU	SCALE SHOWN	SPEC 75830/66NBy75868 SHEET 7 OF 59

P/O

Bit-6027

6902-1

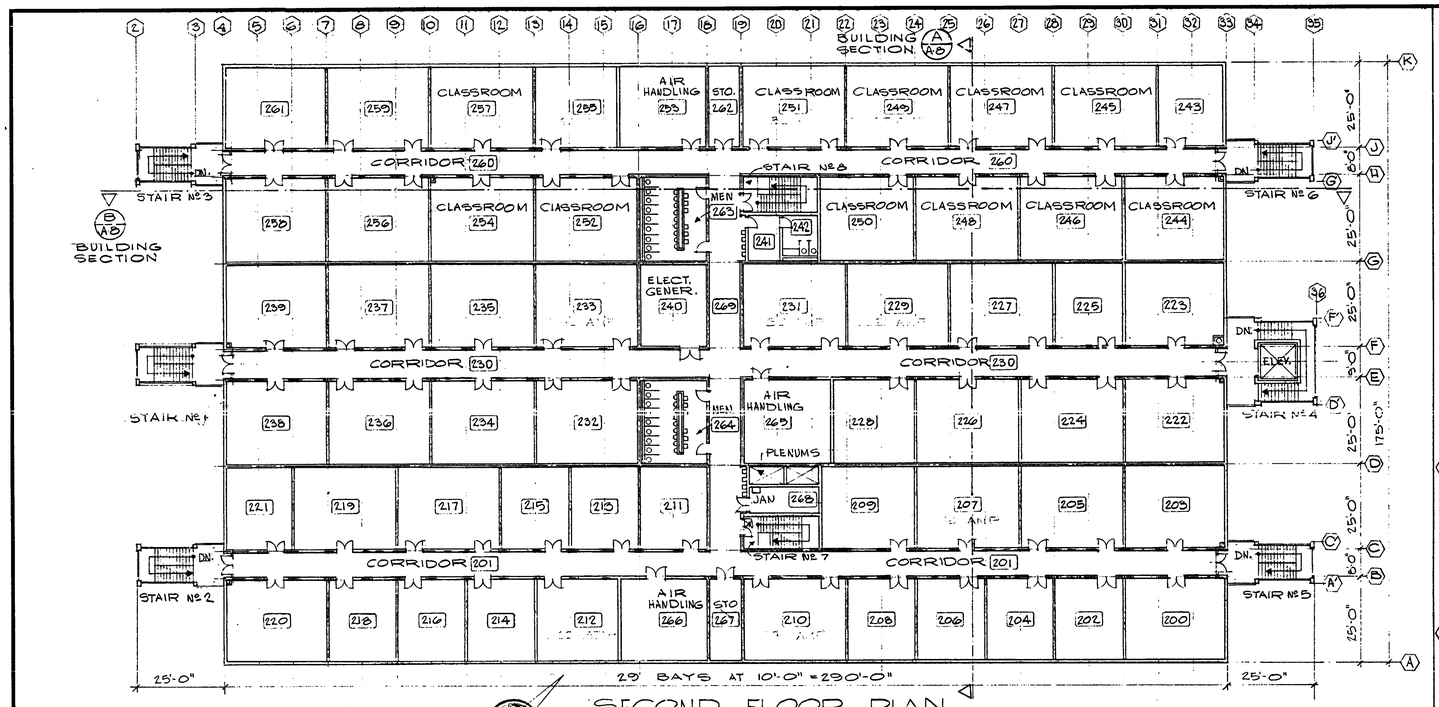
DRAWING NUMBER

DRAWING NUMBER

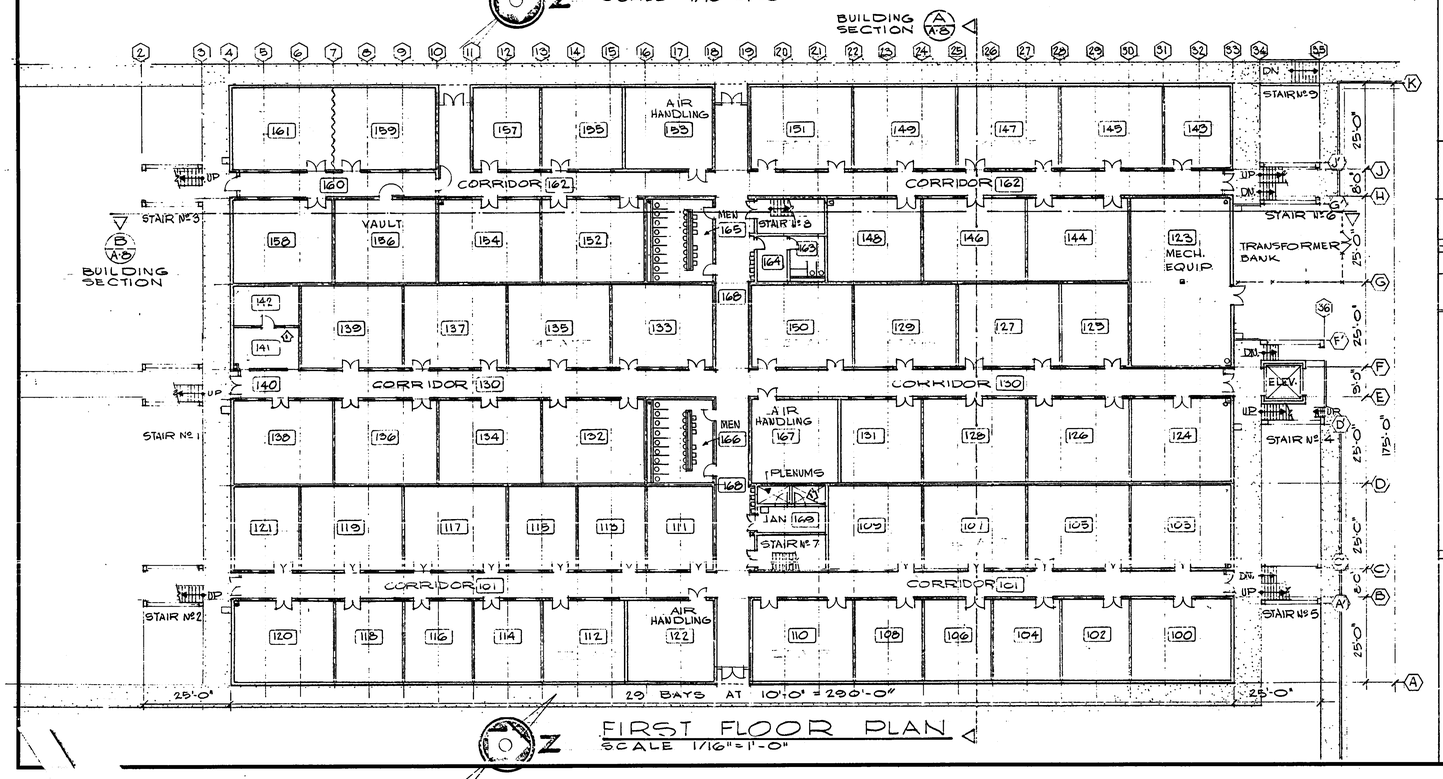
DRAWING NUMBER

DRAWING NUMBER

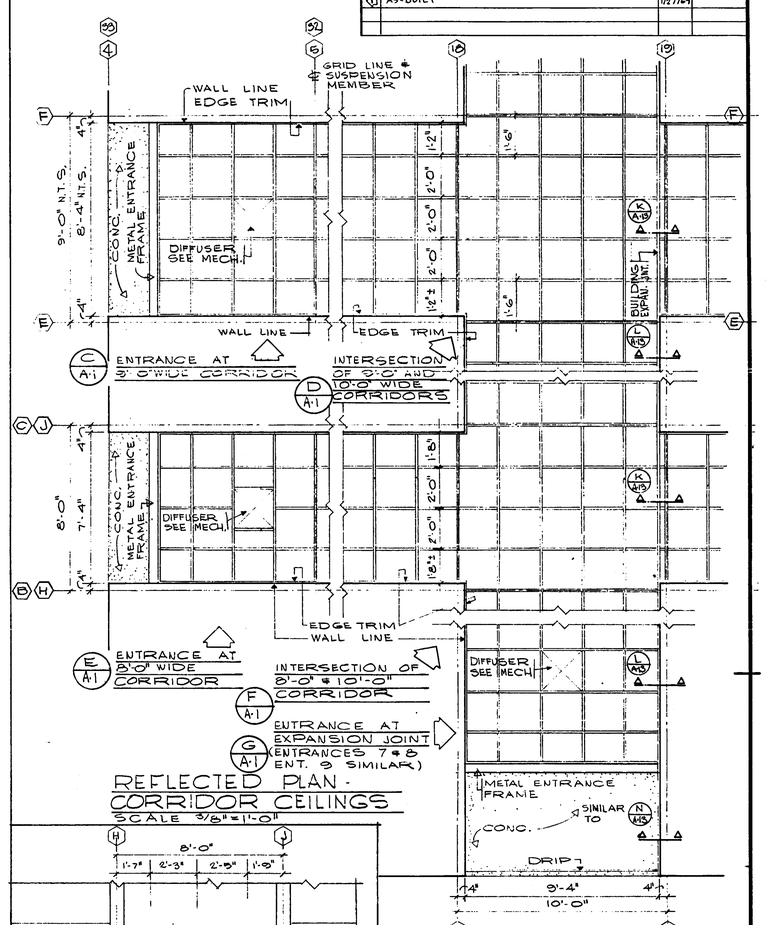
7/59



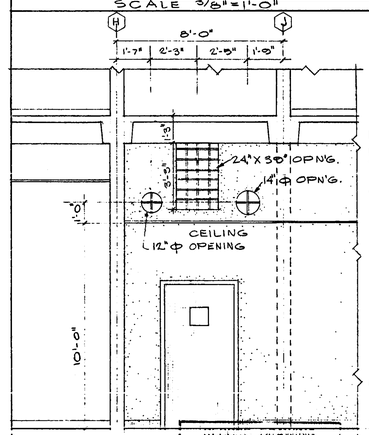
SECOND FLOOR PLAN
SCALE 1/16" = 1'-0"



FIRST FLOOR PLAN
SCALE 1/16" = 1'-0"



REFLECTED PLAN - CORRIDOR CEILINGS
SCALE 3/16" = 1'-0"



NOTE! VERIFY SIZE AND LOCATION OF OPENINGS - SEE MECHANICAL DRAWINGS

DETAIL
SCALE 1 1/2" = 1'-0"
TYPICAL FOR ALL OPN'GS. THRU WALL ABOVE CEILINGS AT ROOMS 156, 158, 159, 160 & 161
#4 BARS @ 6" O.C. BOTH WAYS
DUCTS FLANGE TO WALL EA. SIDE - SEE MECH.
8" CONC. WALL

ELEVATION
SCALE 3/8" = 1'-0"
LOOKING SOUTH AT WALL BETWEEN CORR. 162 AND CORR. 160

RECORD DRAWING
DATE 1-29-69

GRAPHIC SCALE
10' 10' 20' 30' 40' 50'
1/16" = 1'-0"
1' 0 1' 2' 3' 4' 5' 6' 7' 8'
3/8" = 1'-0"
12" 9" 6" 3" 0 1'-0'
1 1/2" = 1'-0"

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		AS-BUILT	1/27/69	

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER 8/59

SHEET REF. No 1

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS

DES JY | DR JY | CHK JFH
SUPV JFH | CH ENGR
SUBMITTED BY DATE
FIRM MEMBER (TITLE) DATE
DPWO REVIEWED
MOR DIR
APPROVED DATE
OFFICER IN CHARGE
APPROVED FOR BUDOCKS DATE
DPWO FOR CHIEF OF BUREAU

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

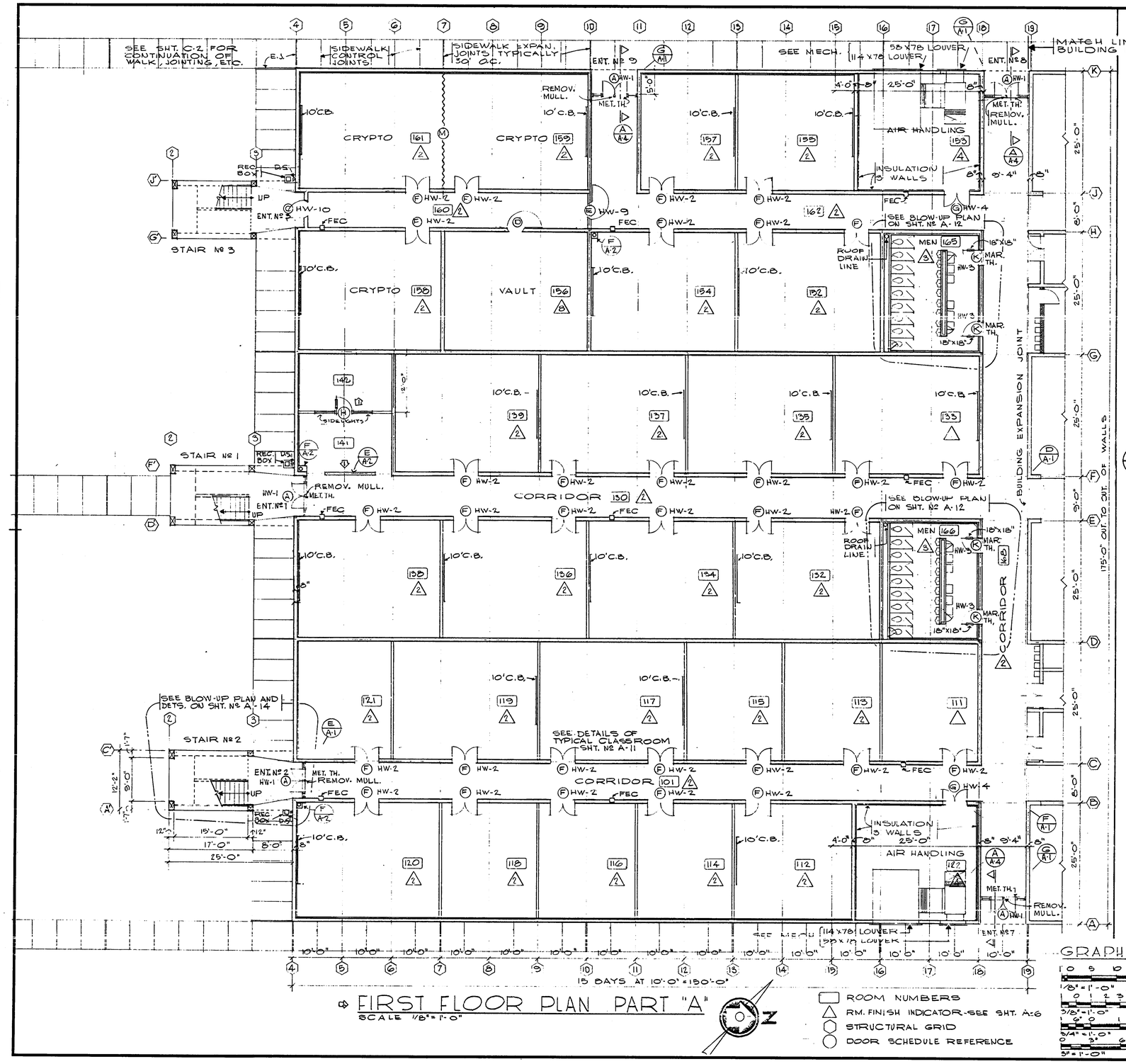
KEESLER AIR FORCE BASE
BIL OXI, MISSISSIPPI
NEW, TRAINING GENERAL (DFRP)
FACILITY FY-66

FLOOR PLANS

CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109300
SCALE SHOWN	SPEC 75836/66 NBy75858	SHEET 8 OF 59

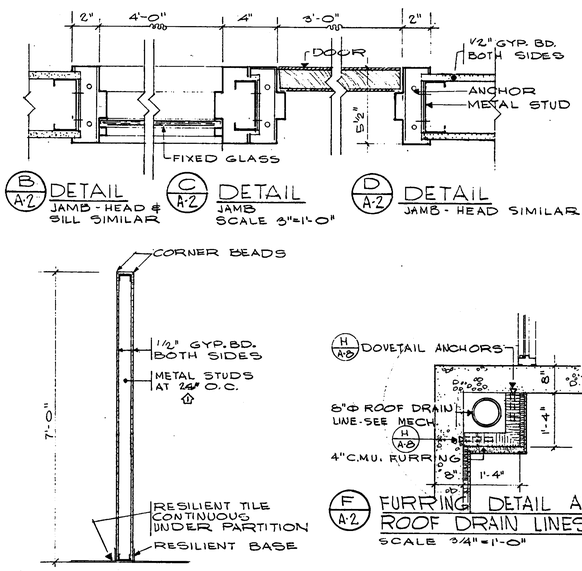
P/O (6902) BIL-6027 6902-1

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		AS-BUILT	1/27/69	
2		REV. FOR ACCOUSTICAL CLG.	2/24/69	L FT



FIRST FLOOR PLAN PART "A"
SCALE 1/8" = 1'-0"

ROOM NUMBERS
RM. FINISH INDICATOR-SEE SHT. A-6
STRUCTURAL GRID
DOOR SCHEDULE REFERENCE



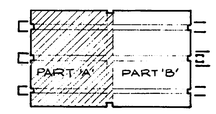
B/A-2 DETAIL JAMB-HEAD & SILL SIMILAR

C/A-2 DETAIL JAMB SCALE 3" = 1'-0"

D/A-2 DETAIL JAMB-HEAD SIMILAR

E/A-2 CROSS PARTITION AT OFFICES 141-142
SCALE 3/4" = 1'-0"

H/A-8 F/A-2 FURRING DETAIL AT ROOF DRAIN LINES
SCALE 3/4" = 1'-0"



KEY PLAN
NO SCALE

RECORD DRAWING
DATE 1-29-69

SHEET REF. Nº A-2

GRAPHIC SCALE
1/8" = 1'-0"
3/8" = 1'-0"
3/4" = 1'-0"
1" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES JY / DR JY / CHK JFH	KEESLER AIR FORCE BASE — BILOXI, MISSISSIPPI — NEW, TRAINING GENERAL (DFRP) — FACILITY 68 — FIRST FLOOR PLAN — PART "A"
SUPV JFH / CH ENGR	
SUBMITTED BY / DATE	
FIRM MEMBER (TITLE) / DATE	
DPWO / REVD.	
MGR. / DIR.	
APPROVED / DATE	
OFFICER IN CHARGE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109301
APPROVED FOR BUDOCKS / DATE	
DPWO FOR CHIEF OF BUREAU	SCALE SHOWN — SPEC 75838/66 Nby 75838 — SHEET 9 OF 59

P/O BIL-6027 6902-1

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

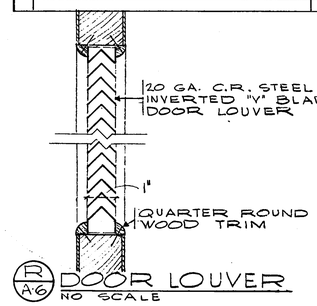
9/59

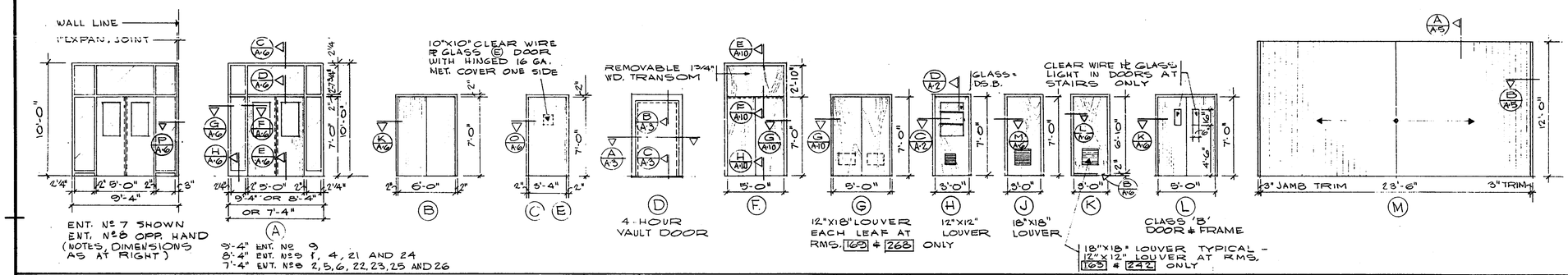
DRAWING NUMBER

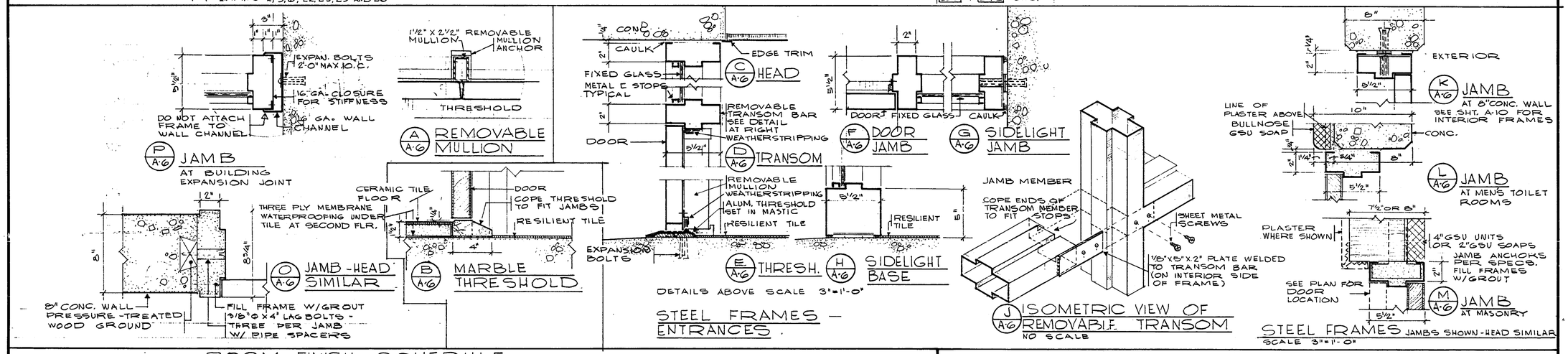
DOOR SCHEDULE

MARK	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FRAME	LINTEL	DETAIL MARK	THRESHOLD	REMARKS
(A)	5'-0"	7'-0"	1¾"	FLUSH 1'-8"X 3'-0" GLASS	HOLLOW METAL	STEEL	CONC.	DETS. A THRU H ON THIS SHEET	METAL 5" WIDE	GLASS SIDELIGHTS AND TRANSOM REMOVABLE MULLION REMOV. TRANSOM BAR
(B)	5'-0"	7'-0"	1¾"	FLUSH	T.I.S.	STEEL	CONC.	DET. K ON THIS SHEET	METAL 5" WIDE	
(C)	3'-4"	7'-0"	—	FLUSH	HOLLOW METAL	STEEL	CONC.	DET. O ON THIS SHEET	METAL 5" WIDE	BLANK EXTERIOR
(D)	3'-4"	6'-6"	—	VAULT (4 HOUR)	STEEL	STEEL	CONC.	DETS. A THRU C ON SHT. A-3	—	VAULT DOOR AND FRAME
(E)	3'-4"	7'-0"	—	FLUSH	HOLLOW METAL	STEEL	CONC.		—	10"X10" CLEAR WIRE GLASS - WITH HINGED COVER ONE SIDE
(F)	5'-0"	7'-0"	1¾"	FLUSH, SOLID CORE	WOOD	STEEL (1)	CONC. (1)	DETS. D THRU K ON SHT. A-10	—	REMOVABLE 1¾" WD. TRANSOM PANEL
(G)	5'-0"	7'-0"	1¾"	FLUSH, SOLID CORE	WOOD	STEEL	C.M.U.	DET. G ON THIS SHEET	—	12"X18" LOUVER EA. LEAF AT RMS. 163 & 268 ONLY
(H)	3'-0"	7'-0"	1¾"	FLUSH, SOLID CORE	WOOD	STEEL (1)	STEEL STUD (1)	DETS. C AND D ON SHT. A-2	—	2'-2"X3'-0" DSB GLASS - LOUVER 12"X12"
(J)	3'-0"	7'-0"	1¾"	FLUSH, SOLID CORE	WOOD	STEEL	C.M.U.	DET. M ON THIS SHT.	—	18"X18" LOUVER
(K)	3'-0"	6'-10"	1¾"	FLUSH, SOLID CORE	WOOD	STEEL	CONC. OR C.M.U.	DET. B OR L THIS SHT.	MARBLE (B/A-6)	CUT DOORS OFF 2" AT BOTTOM, HEADS TO LINE WITH 7'-0" DOORS - LOUVER AS SHOWN
(L)	3'-0"	7'-0"	1¾"	FLUSH CLASS 'B'	HOLLOW METAL	STEEL	CONC.	DET. K ON THIS SHEET	—	DOORS AT STAIRS TO HAVE 100 SQ. IN. CLEAR WIRE GLASS LIGHT EACH LEAF
(M)	24'-0" ±	12'-0"	—	SOUND RETARDING, FOLDING	FABRIC	NONE	DETAIL (A/A-5)	DETS. A AND B ON SHT. A-5	—	

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
(1)		AS-BUILT	11/27/69	
(2)		REV. FOR ACCOUSTICAL CLG. (2-24-69)	2/24/69	L.F.T.







ROOM FINISH SCHEDULE

SEE SHEET A-16 FOR COLOR SCHEDULE

SYMBOL	FLOOR	BASE	WALLS	CEILING	CLG. HGT.	REMARKS
1	ASPHALT TILE	RESILIENT 4"	CONC. (P) & GYP. BD. (P)	SUSPENDED GYP. BD.	12'-0"	-
2	ASPHALT TILE	RESILIENT 4"	CONC. (P) & GYP. BD. (P)	SUSPENDED ACOUSTIC	10'-0" & 12'-0"	G.S.U. (4'-0") WAINSCOT AT E.D.F.S (IN CORRIDORS)
3	CERAMIC TILE	G.S.U.	K.C. PLASTER (E) 4'-4" HIGH G.S.U. WINSC'T.	K.C. PLASTER (E)	8'-0"	METAL TOILET STALLS.
4	CONC.	NONE	CONC. (P) & GYP. BD. (P)	EXPOSED (P)	—	SEE (C/A-6) FOR INSULATION AT CEILING OF RM. 123
5	CONC.	PAINTED 4"	CONC. (P) & C.M.U. (P)	SUSPENDED GYP. BD.	8'-0" ABOVE SECOND FLR.	CONC. TREADS
6	ASPHALT TILE	RESILIENT 4"	PLASTER (P)	SUSPENDED GYP. BD.	8'-0"	
7	CERAMIC TILE	G.S.U.	4'-0" G.S.U. WINSC'T. CONC. (P) & C.M.U. (P)	EXPOSED (P)	—	-
8	ASPHALT TILE	RESILIENT 4"	CONC. (P)	CONC. (P)	9'-0"	

RECORD DRAWING
DATE 1-29-69

SHEET REF. Nº A-6

R. W. NAEF & ASSOC.
ARCHITECTS & ENGINEERS

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

DES. JY | DR. JY | CHK. JFH
SUPV. JFH | CH. ENGR.
SUBMITTED BY ____ DATE
FIRM MEMBER (TITLE) OWNER 1/7/66
DPWO ____ RVD. ____
MOD. ____ DIR. ____
APPROVED LLB 9/20/66 DATE
OFFICER IN CHARGE
APPROVED FOR BUDOCKS DATE
DPWO FOR CHIEF OF BUREAU

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW. TRAINING GENERAL (DFRP)
FACILITY FY-66
DOOR AND FINISH SCHEDULES

CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109305
SCALE NONE	SPEC 75838/66 Nby 75838	SHEET 13 OF 53

P/O

BIL-6027 6902-1

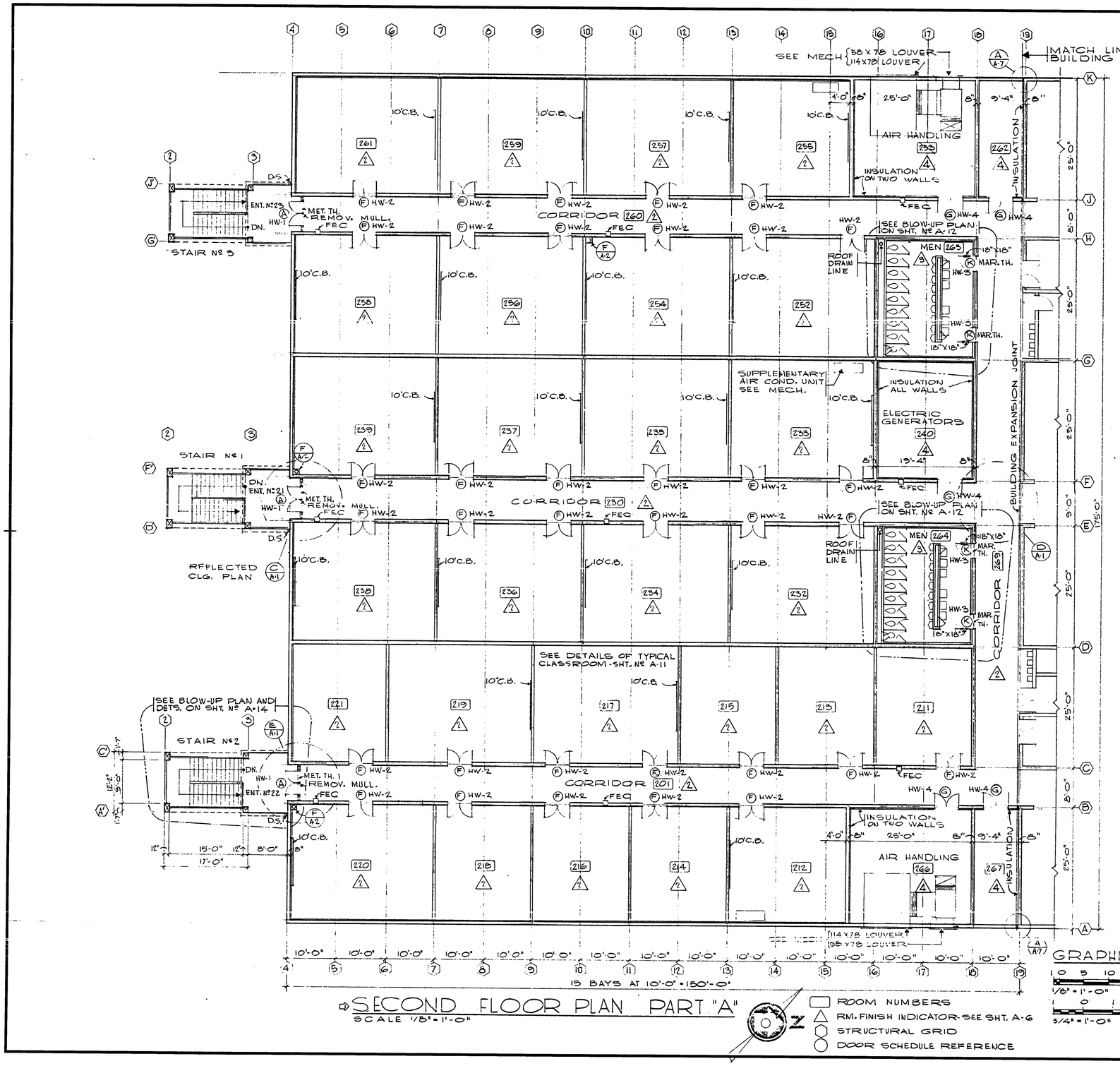
DRAWING NUMBER

DRAWING NUMBER

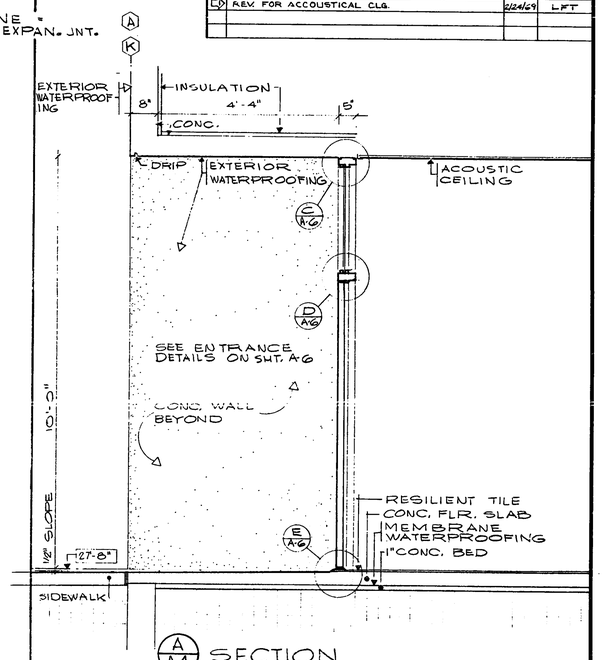
DRAWING NUMBER

DRAWING NUMBER 13/59

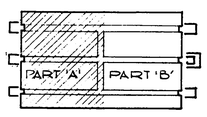
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		REV. FOR ACCOUSTICAL CLG.	2/24/69	LFT



SECOND FLOOR PLAN PART "A"
SCALE 1/8" = 1'-0"



SECTION
TYPICAL FOR ENTRANCE Nos 7, 8 & 9
SCALE 3/4" = 1'-0"



KEY PLAN
NO SCALE

RECORD DRAWING
DATE 1-29-69

SHEET REF. No
A-4

GRAPHIC SCALE
1/8" = 1'-0"
3/4" = 1'-0"

- ROOM NUMBERS
- RM. FINISH INDICATOR - SEE SHT. A-6
- STRUCTURAL GRID
- DOOR SCHEDULE REFERENCE

R. W. NAEF & ASSOC.
ARCHITECTS & ENGINEERS

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

DES JY | DR JY | CHK JFH
SUPV JPH | CH ENGR
SUBMITTED BY | DATE
FIRM MEMBER (TITLE) | DATE
DPWO | EVD.
MGR | DR.
APPROVED | DATE
OFFICER IN CHARGE
APPROVED FOR BUDOCKS | DATE
DPWO FOR CHIEF OF BUREAU

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW, TRAINING GENERAL (DFRP)
FACILITY FY-66
SECOND FLOOR PLAN
PART "A"

CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109303
SCALE SHOWN	SPEC 75858/66 NB/75858	SHEET 11 OF 59

P/O

BIL-6027

6902-1

DRAWING NUMBER

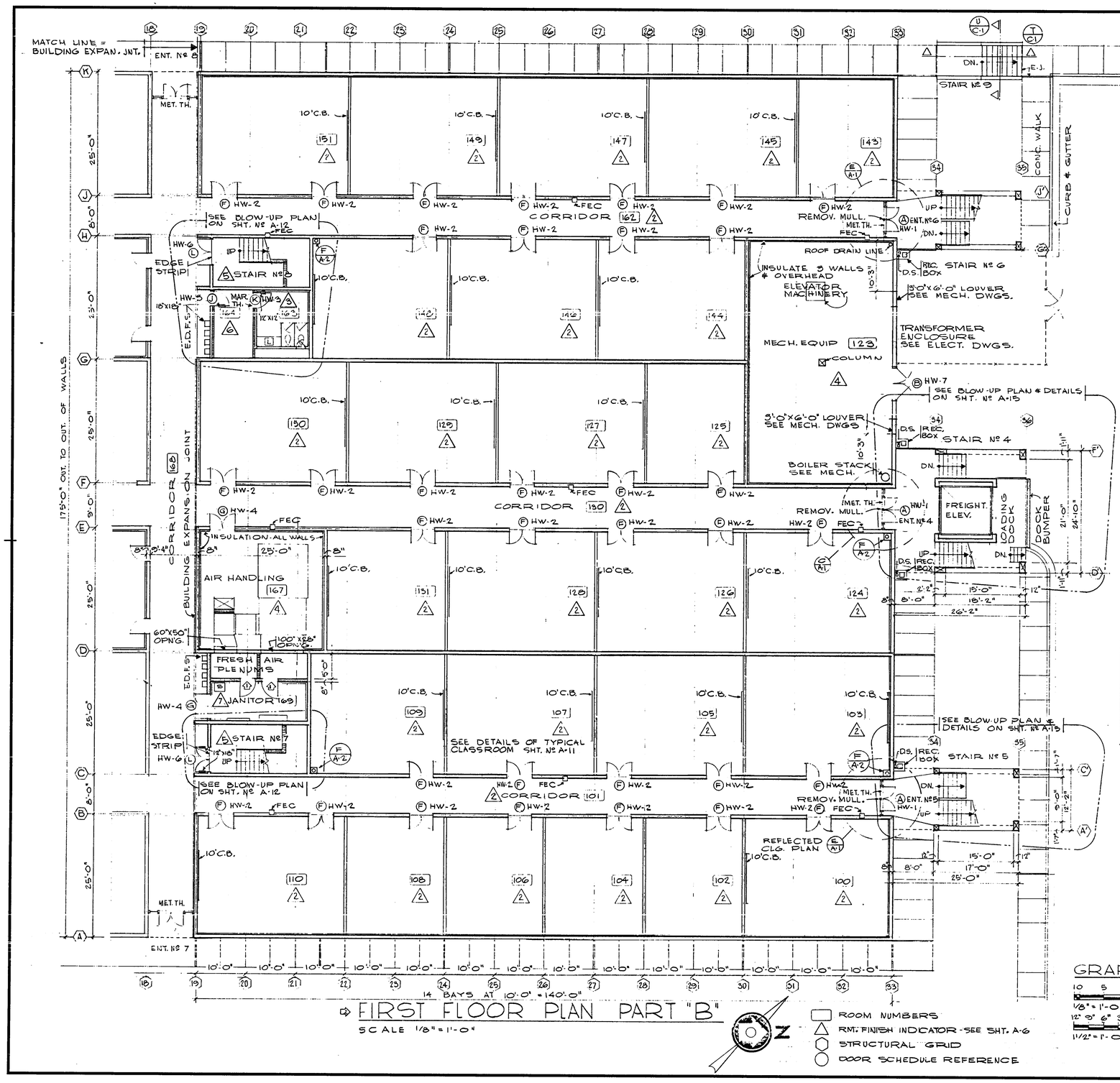
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

11/59

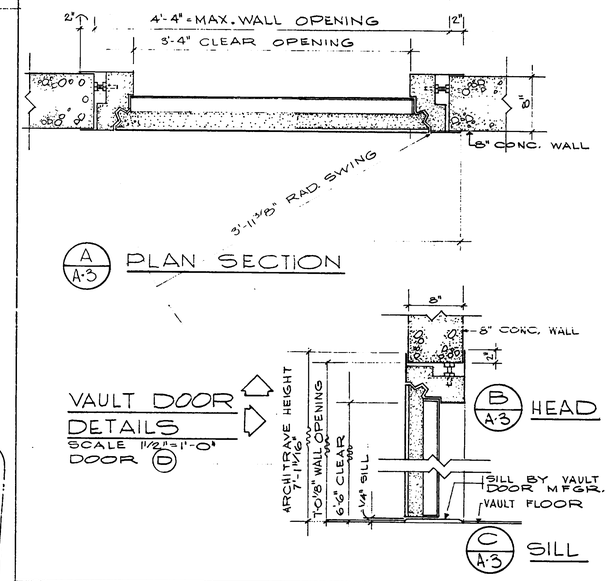
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		As-BUILT	1/27/69	
2		REV. FOR ACCOUSTICAL CLG.	2/24/69	LFT



FIRST FLOOR PLAN PART "B"

SCALE 1/8" = 1'-0"

ROOM NUMBERS
RMT. FINISH INDICATOR - SEE SHT. A-6
STRUCTURAL GRID
DOOR SCHEDULE REFERENCE

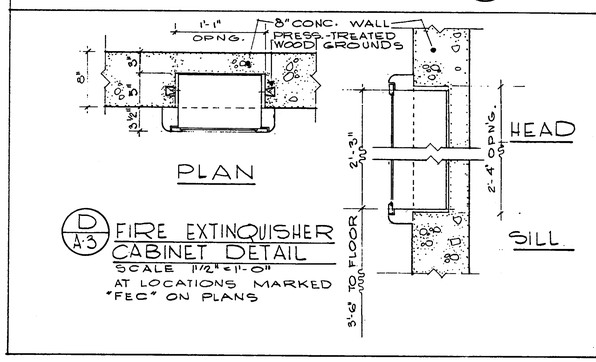


A/A-3 PLAN SECTION

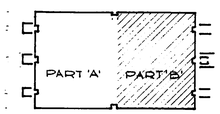
B/A-3 HEAD

C/A-3 SILL

VAULT DOOR DETAILS
SCALE 1 1/2" = 1'-0"
DOOR (D)



D/A-3 FIRE EXTINQUISHER CABINET DETAIL
SCALE 1 1/2" = 1'-0"
AT LOCATIONS MARKED "FEC" ON PLANS



KEY PLAN
NO SCALE

RECORD DRAWING
DATE 1-28-69

SHEET REF. Nº

GRAPHIC SCALE
1/8" = 1'-0"
1 1/2" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES JY / DR JY / CHK JFH	KEESLER AIR FORCE BASE — BILOXI, MISSISSIPPI — NEW. TRAINING GENERAL (DFRP) — FACILITY FY-66
SUPV JFH / CH ENGR	FIRST FLOOR PLAN PART "B"
SUBMITTED BY / DATE	
FIRM MEMBER (TITLE) / DATE	
DPWO / MGR. / RVD. / DIR.	
APPROVED / DATE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109302
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	SCALE SHOWN — SPEC 76858 /66 Nby 76858 — SHEET 10 OF 59
DPWO FOR CHIEF OF BUREAU	

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

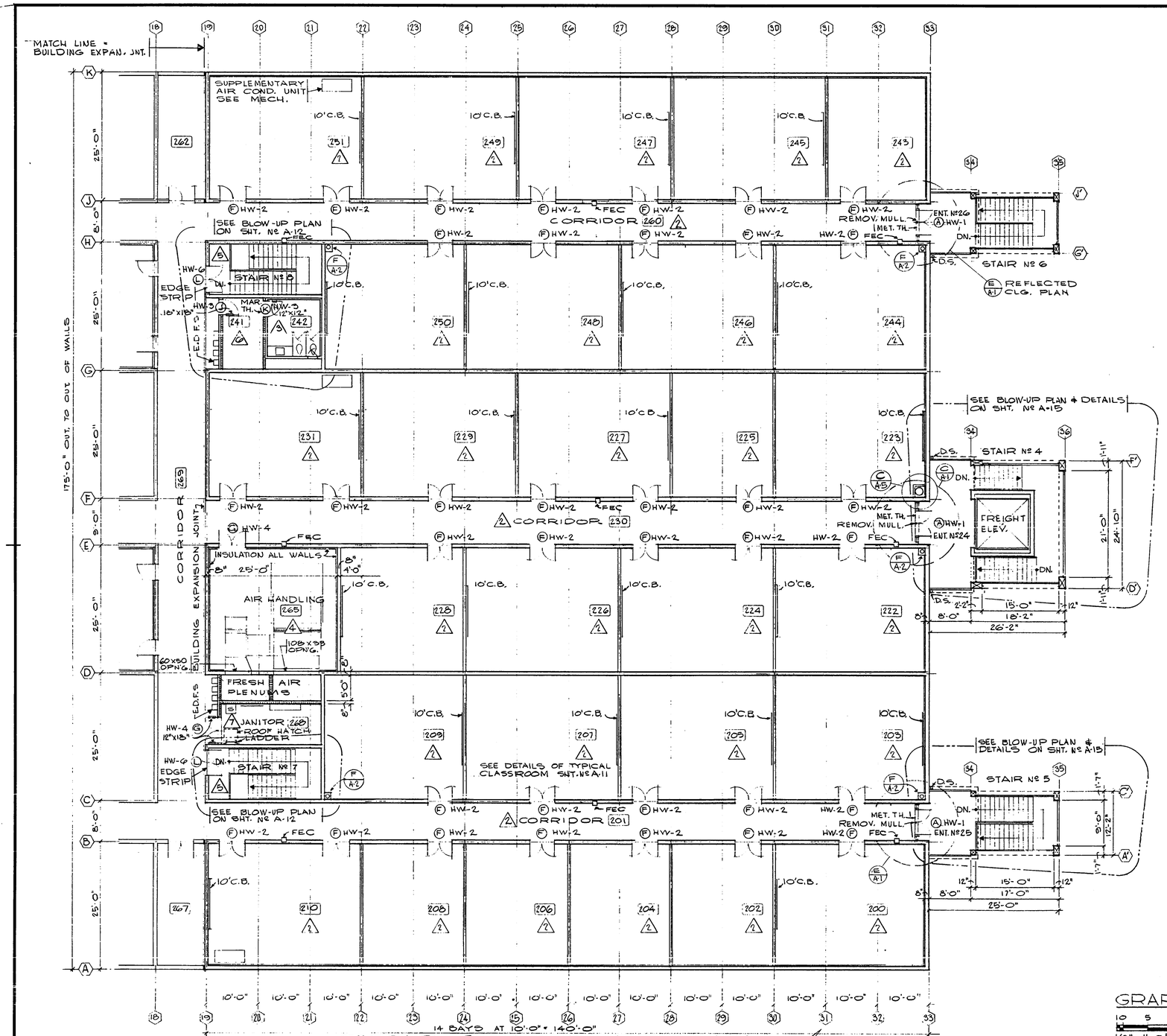
10/59

DRAWING NUMBER

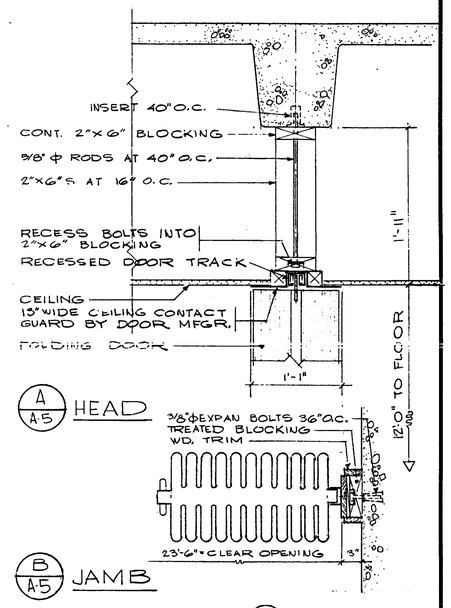
P/O

BtL-6027 6902-1

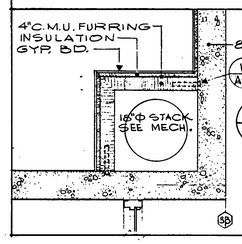
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
		REV. FOR ACCOUSTICAL CLG.	2/24/69	L.F.T.



SECOND FLOOR PLAN PART "B"
SCALE 1/8" = 1'-0"



DETAILS TYPE (M) DOOR
SCALE 1 1/2" = 1'-0"



FURRING
AT BOILER STACK - SECOND FLOOR
SCALE 3/4" = 1'-0"

KEY PLAN
NO SCALE

RECORD DRAWING
DATE 1-29-69

SHEET REF. Nº A-5

GRAPHIC SCALE
1/8" = 1'-0"
1 1/2" = 1'-0"

ROOM NUMBERS
RM. FINISH INDICATOR - SEE SHT. A-6
STRUCTURAL GRID
DOOR SCHEDULE REFERENCE

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES. JY / DR. JY / CHK. JPH	KEESLER AIR FORCE BASE — BILOXI, MISSISSIPPI — NEW. TRAINING GENERAL (DFRP) — FACILITY FY-66
SUPV. JPH / CH. ENGR.	SECOND FLOOR PLAN — PART "B"
SUBMITTED BY / DATE	
FIRM MEMBER / DATE 1/7/69	
DPWO / RVD.	
MGR. / DIR.	
APPROVED / DATE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109304
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	
DPWO FOR CHIEF OF BUREAU	SCALE SHOWN — SPEC 75858/66 NBy 75858 — SHEET 12 OF 59

P/O

BIL-6027

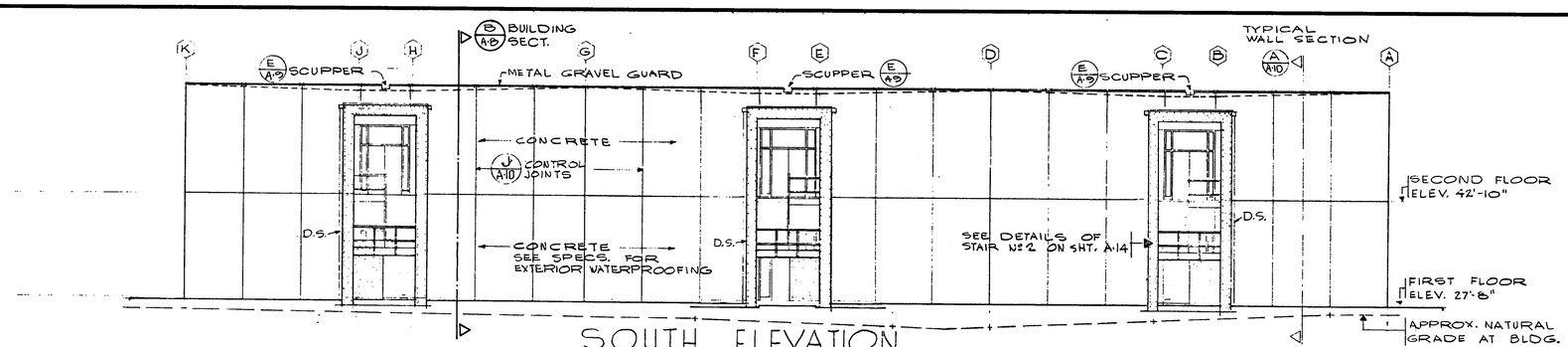
69027

DRAWING NUMBER

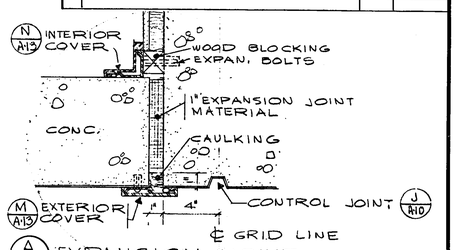
DRAWING NUMBER

DRAWING NUMBER

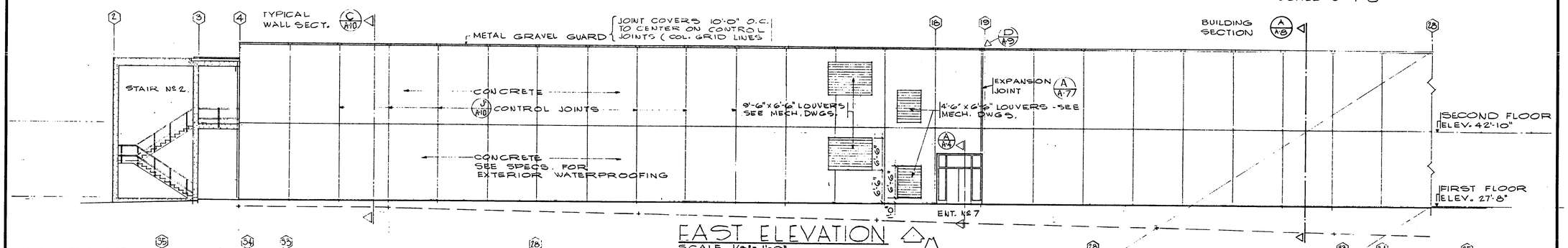
DRAWING NUMBER 12/59



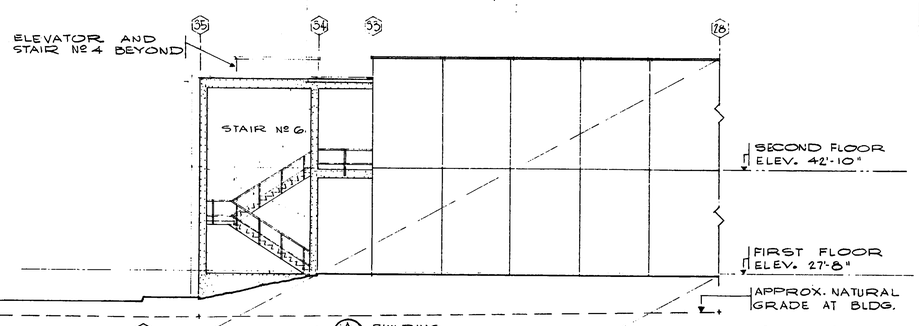
SOUTH ELEVATION
SCALE 1/8" = 1'-0"

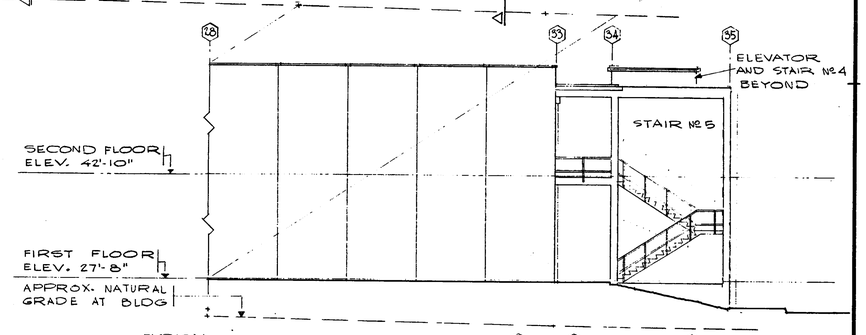


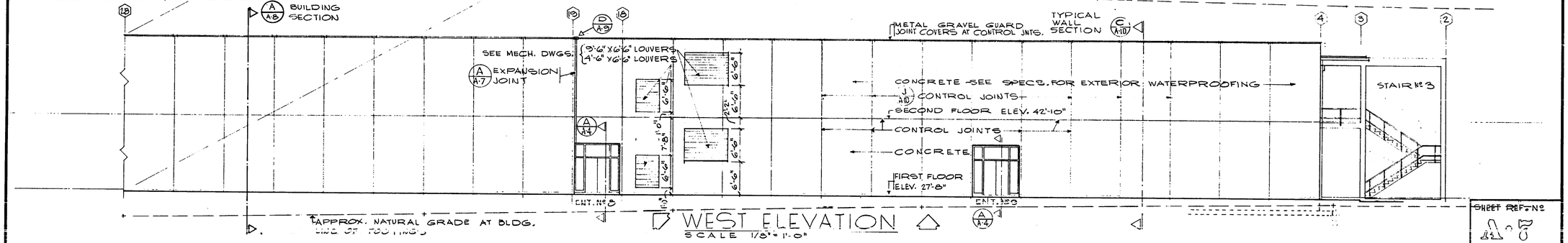
EXPANSION JOINT
AT EXTERIOR WALL
SCALE 3" = 1'-0"



EAST ELEVATION
SCALE 1/8" = 1'-0"







WEST ELEVATION
SCALE 1/8" = 1'-0"

SHEET REF. Nº

GRAPHIC SCALE
1 0 5 10 15 20 25
1/8" = 1'-0"
0 3" 6" 9" 1'-0"
3" = 1'-0"

RECORD DRAWING
DATE 1-29-69

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED

R. W. NAEF & ASSOC., ARCHITECTS & ENGINEERS

DES JY | DR JY | CHK JFH
SUPV JFH | CH ENGR
SUBMITTED BY ____ DATE
FIRM MEMBER (RTLE) ____ 11/7/66
DPWO ____ RVD ____
MGR ____ DIR ____
APPROVED ____ DATE
OFFICER IN CHARGE
APPROVED FOR BUDOCKS DATE
DPWO FOR CHIEF OF BUREAU

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW, TRAINING GENERAL (DFRP)
FACILITY FY-66
ELEVATIONS

CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109306
SCALE SHOWN	SPEC 75858/66 NBY75858	SHEET 14 OF 55

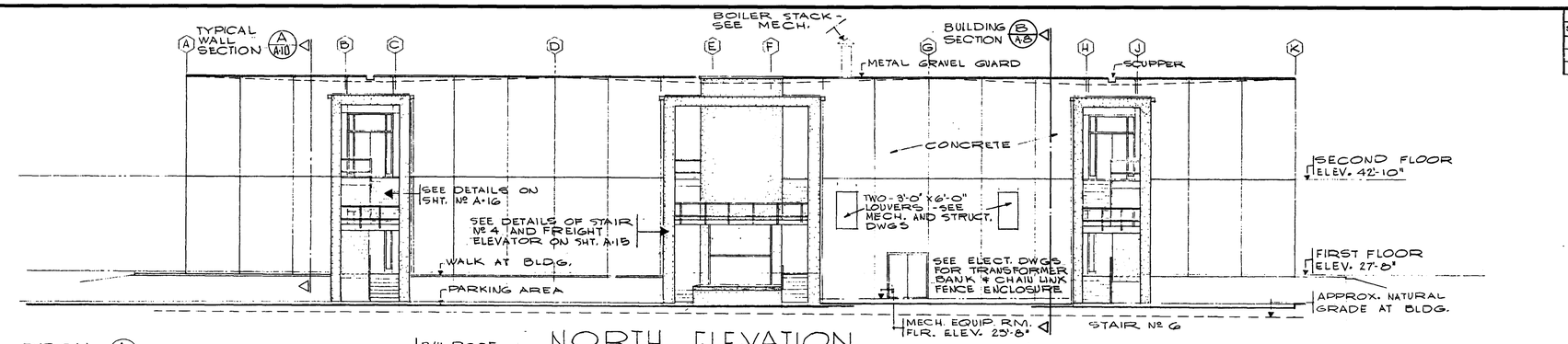
DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER
14/59

P/O

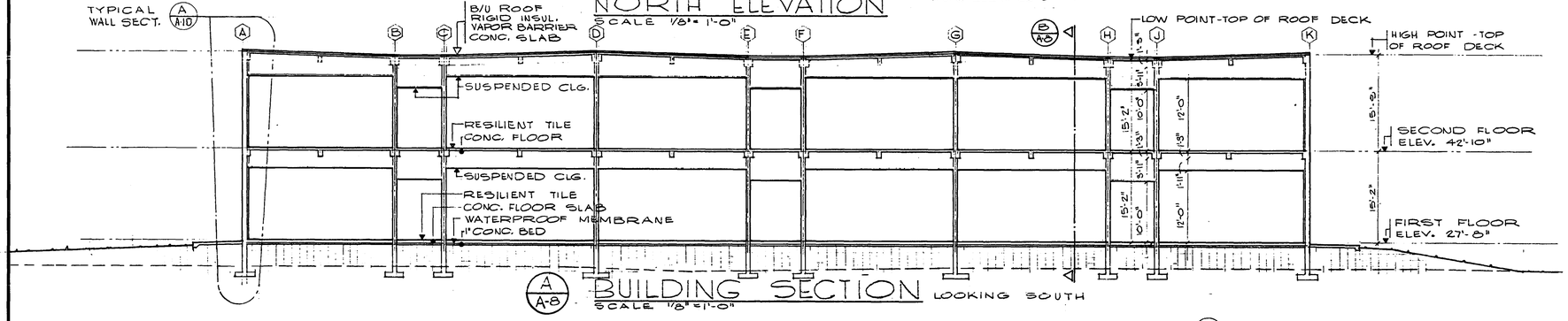
BIL-6027

6902-1

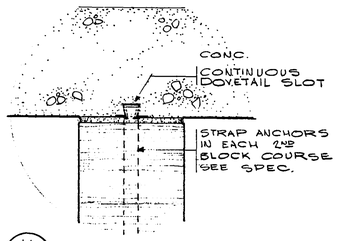
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



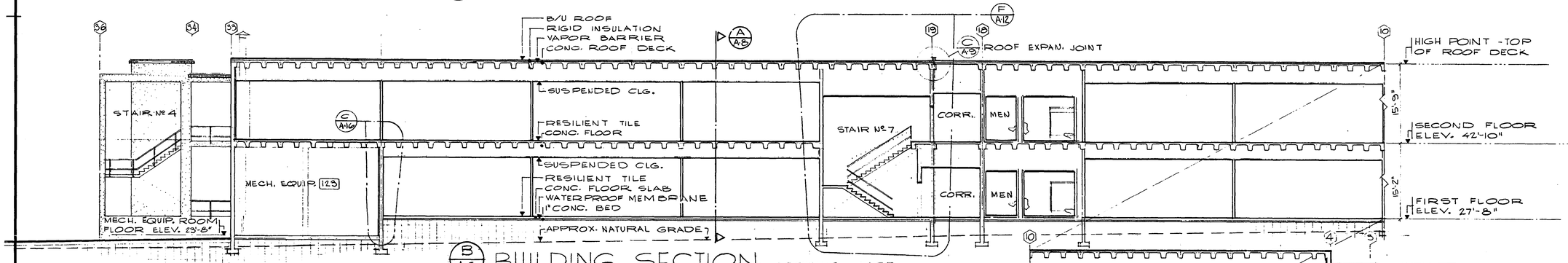
NORTH ELEVATION
SCALE 1/8" = 1'-0"



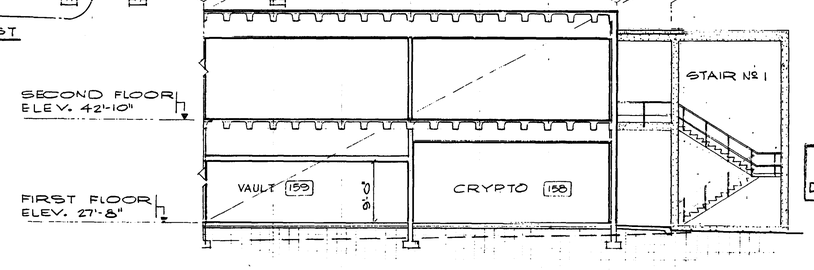
A/A-8 BUILDING SECTION LOOKING SOUTH
SCALE 1/8" = 1'-0"

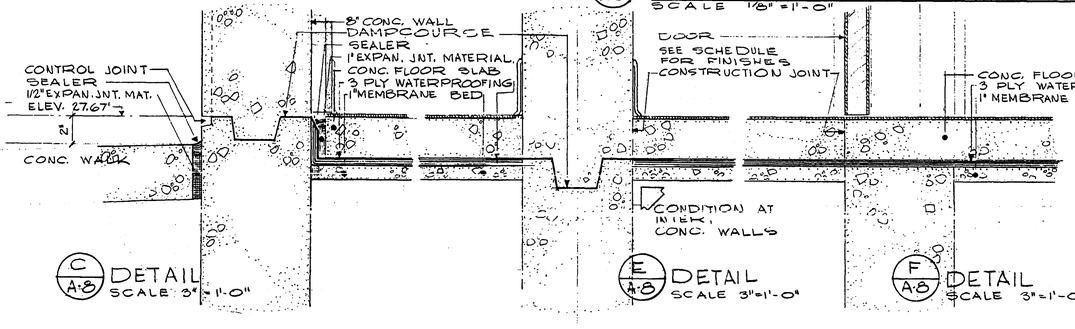


H/A-8 DOVETAIL SLOT
SCALE 3" = 1'-0"
WHEREVER MASONRY WALLS BUTT CONC.



B/A-8 BUILDING SECTION LOOKING EAST
SCALE 1/8" = 1'-0"





C/A-8 DETAIL SCALE 3" = 1'-0"

E/A-8 DETAIL SCALE 3" = 1'-0"

F/A-8 DETAIL SCALE 3" = 1'-0"

GRAPHIC SCALE
1 0 5 10 15 20 25
1/8" = 1'-0"
0 3" 6" 9" 1'-0"
3" = 1'-0"

RECORD DRAWING
DATE 1-29-69

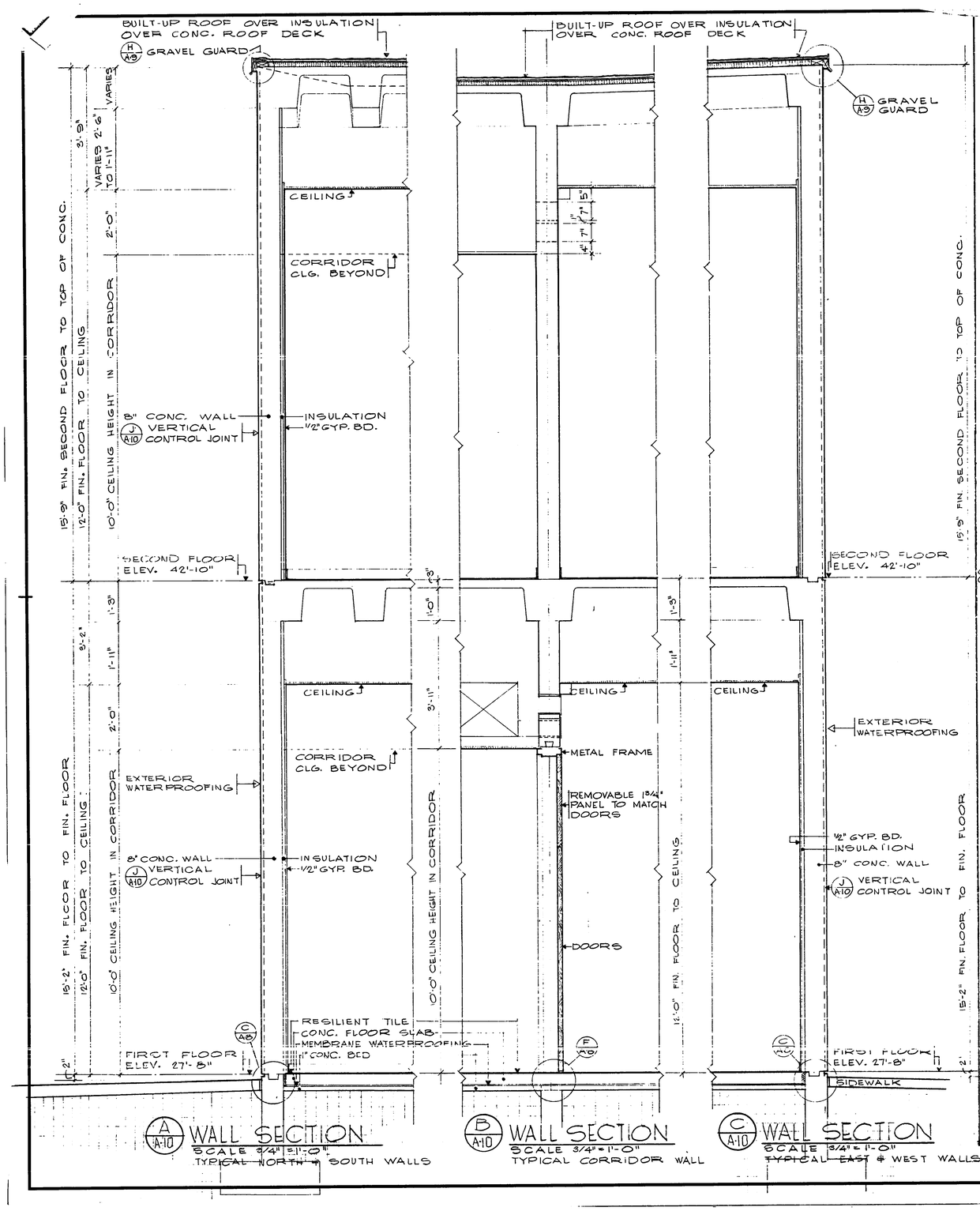
SHEET REF. Nº A-8

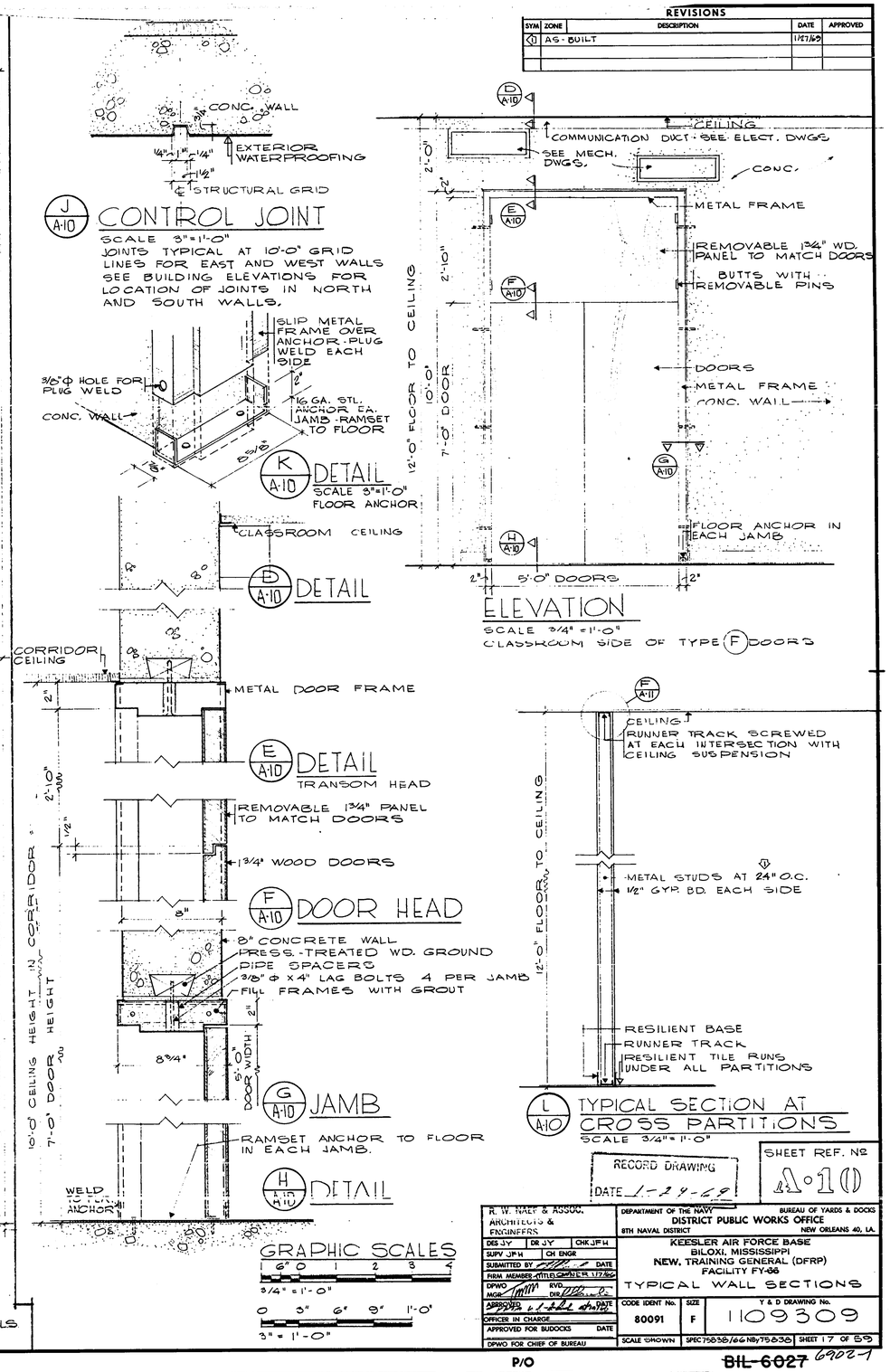
R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT	BUREAU OF YARDS & DOCKS NEW ORLEANS 40, LA.
DES JY / DR JY / CHK JFH SUPV JFH / CH ENGR SUBMITTED BY / DATE FIRM MEMBER / TITLE / DATE 1/7/60 DPWO / RVD MGR / DIR APPROVED / DATE OFFICER IN CHARGE APPROVED FOR BUDOCKS / DATE DPWO FOR CHIEF OF BUREAU	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66 ELEVATIONS AND BUILDING SECTIONS	
	CODE IDENT No. 80091	SIZE F
	Y & D DRAWING No. 1109307	
	SCALE SHOWN	SPEC 75583/66 Nb/75583D
	SHEET 15 OF 59	

P/O

BIL-6027 69021

DRAWING NUMBER 15/59





REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		AS-BUILT	1/27/69	

RECORD DRAWING
DATE 1-29-69

SHEET REF. Nº A-10

R. W. NAEF & ASSOC.
ARCHITECTS & ENGINEERS

DEPARTMENT OF THE NAVY
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — BUREAU OF YARDS & DOCKS — NEW ORLEANS 40, LA.

DES JY | DR JY | CHK JFH
SUPV JFH | CH ENGR
SUBMITTED BY — DATE
FIRM MEMBER — TITLE OWNER 1/27/69
DPWO — KVD
MCE — DR
APPROVED — DATE
OFFICER IN CHARGE
APPROVED FOR BUDOCKS — DATE
DPWO FOR CHIEF OF BUREAU

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW. TRAINING GENERAL (DFRP)
FACILITY FY-66

TYPICAL WALL SECTIONS

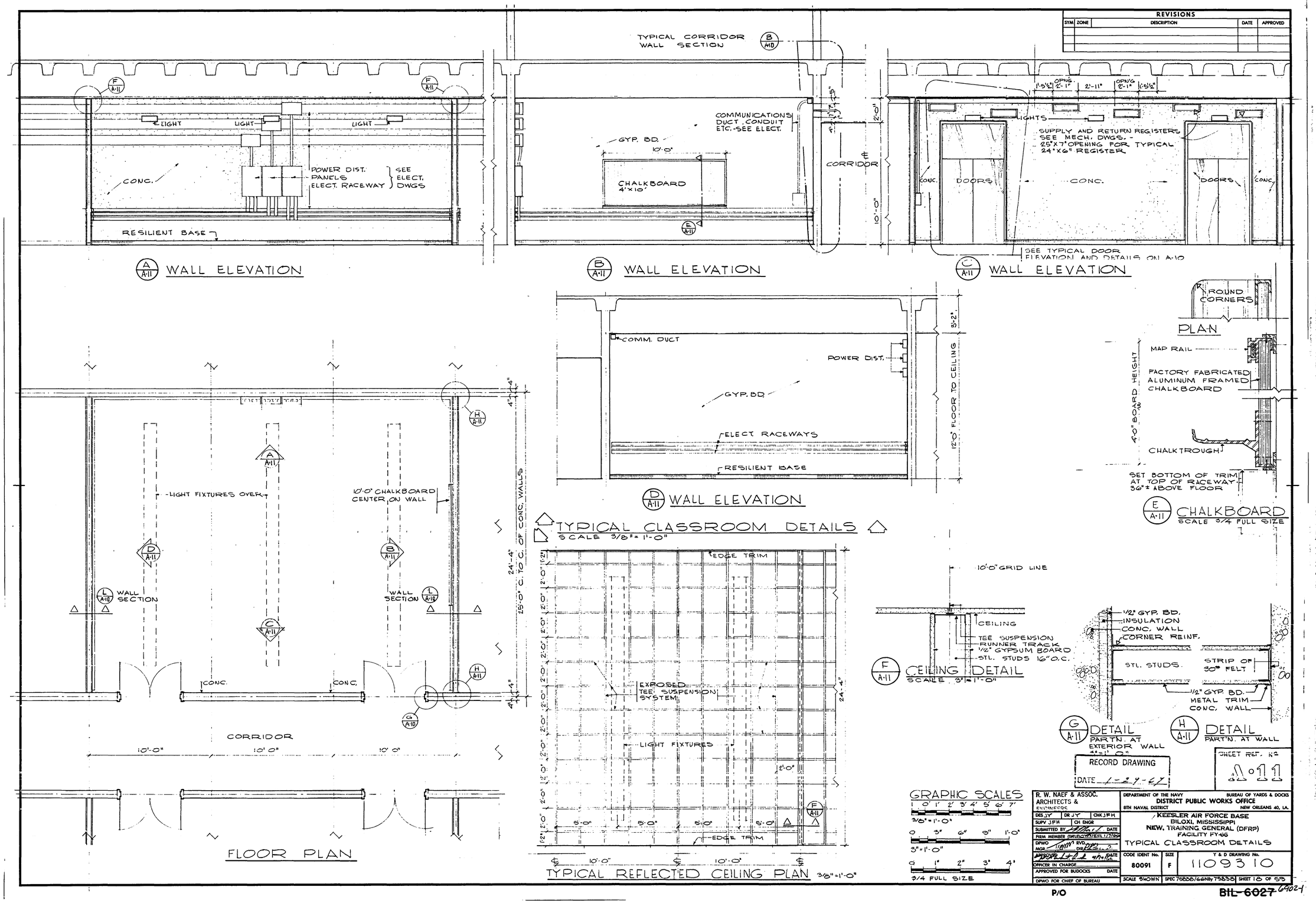
CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109309
SCALE SHOWN	SPEC 75838/66 NBY 75836	SHEET 17 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER 17/59

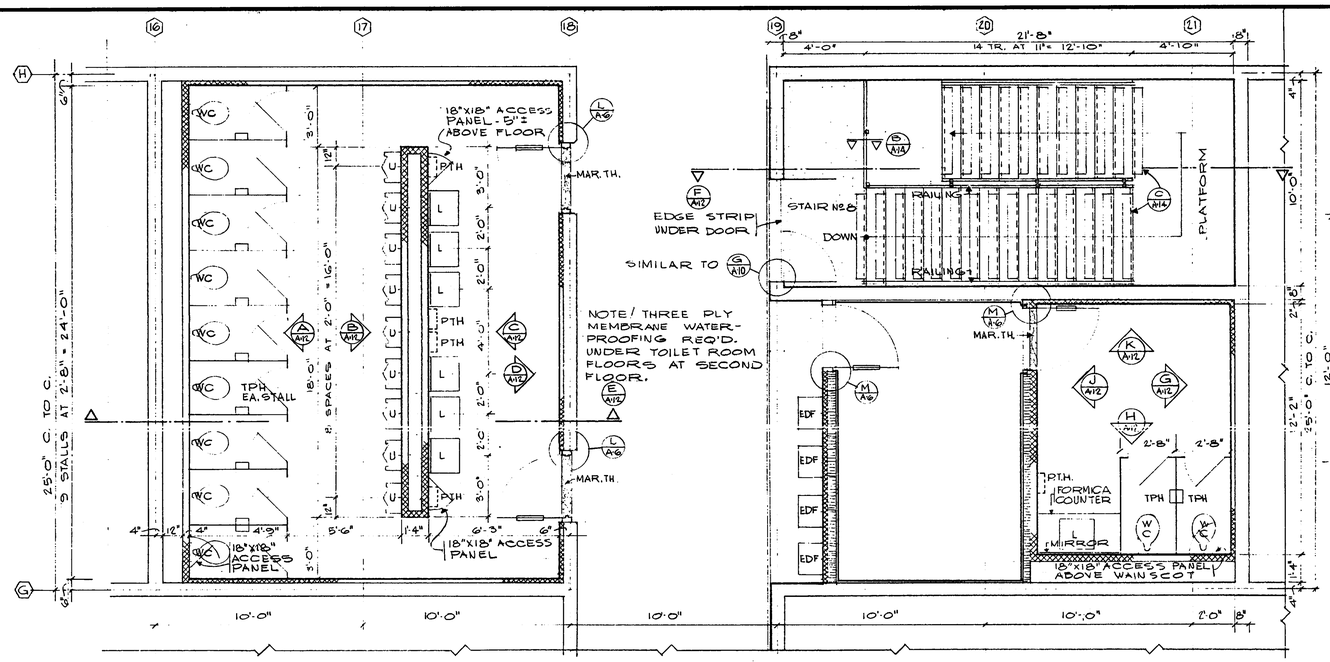
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



P/O

BIL-6027 69021

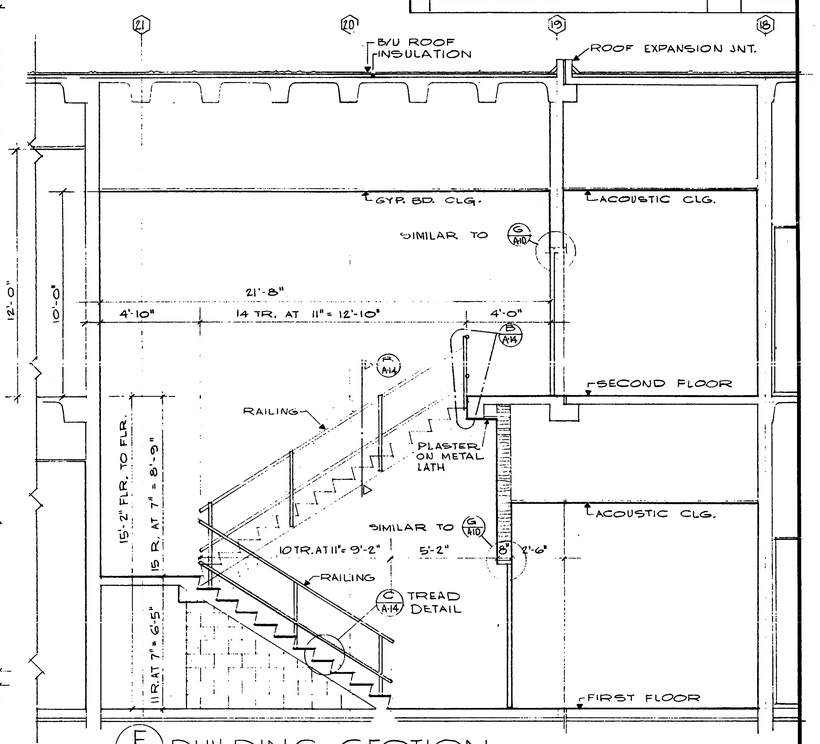
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



PARTIAL PLAN NO. 1 SECOND FLOOR

FIRST FLOOR TOILET ROOMS SIMILAR

SCALE 3/8" = 1'-0"

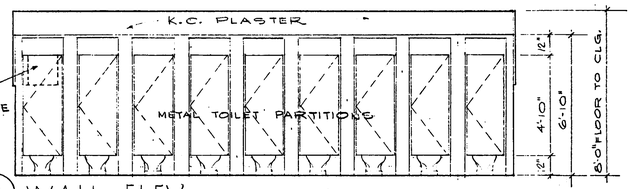


F A-12 BUILDING SECTION

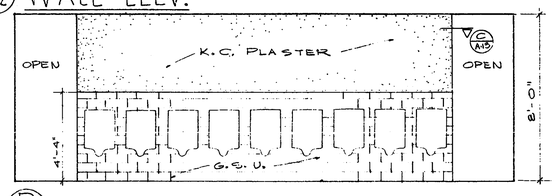
SCALE 3/8" = 1'-0"

THROUGH STAIR No. 8 LOOKING EAST

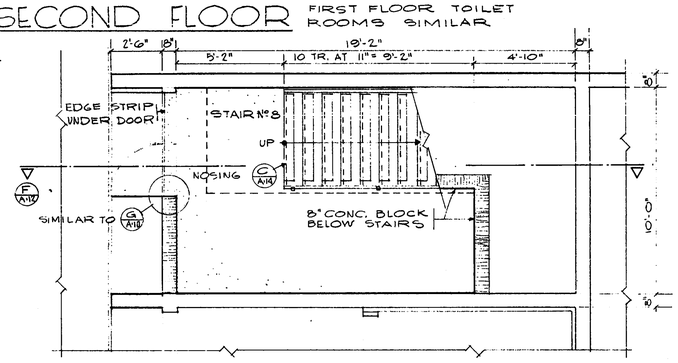
SECTION AT STAIR No. 7 SIMILAR



A A-12 WALL ELEV.



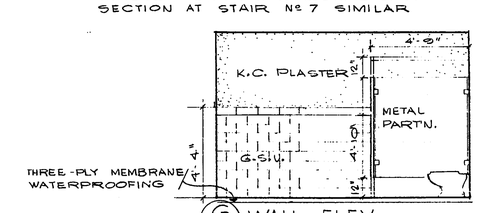
B A-12 WALL ELEV.



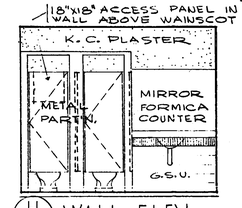
PARTIAL PLAN NO. 2 - FIRST FLOOR

SCALE 3/8" = 1'-0"

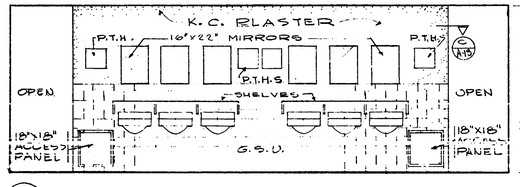
STAIR No. 8 SHOWN - STAIR No. 7 SIMILAR



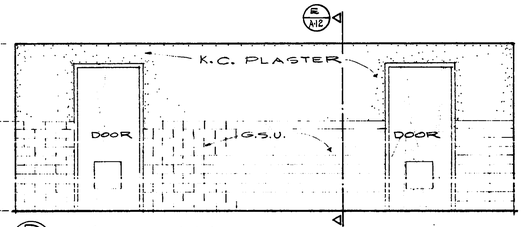
G A-12 WALL ELEV.



H A-12 WALL ELEV.

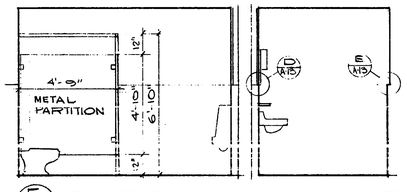


C A-12 WALL ELEV.

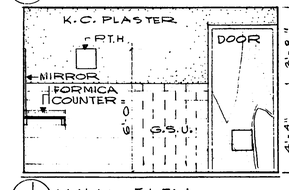


D A-12 WALL ELEV.

WALL ELEVATIONS SCALE 3/8" = 1'-0"

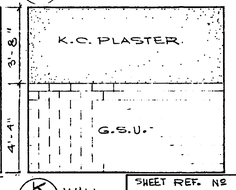


E A-12 SECTION



J A-12 WALL ELEV.

SCALE 3/8" = 1'-0"



K A-12 WALL ELEV.

SHEET REF. No.

GRAPHIC SCALE

1' 0' 1' 2' 3' 4' 5' 6' 7'

3/8" = 1'-0"

RECORD DRAWING

DATE 1-29-69

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — DISTRICT PUBLIC WORKS OFFICE, 8TH NAVAL DISTRICT	BUREAU OF YARDS & DOCKS, NEW ORLEANS 40, LA.
DES JY / DR JY / CHK JFH	KEESLER AIR FORCE BASE, BILOXI, MISSISSIPPI	
SUPV JFH / CH ENGR	NEW, TRAINING GENERAL (DFR?)	
SUBMITTED BY / DATE	FACILITY FY-66	
FIRM MEMBER (TITLE) / DATE 1/7/66	DETAILS, STAIR Nos 7 AND 8 TOILET ROOMS	
DPWO / RVD.		
MGR / DR		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F / Y & D DRAWING No. 1109311
OFFICER IN CHARGE		
APPROVED FOR BUDOCKS / DATE		
DPWO FOR CHIEF OF BUREAU	SCALE SHOWN	SPEC 19830/66 NBy 75838 / SHEET 19 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER

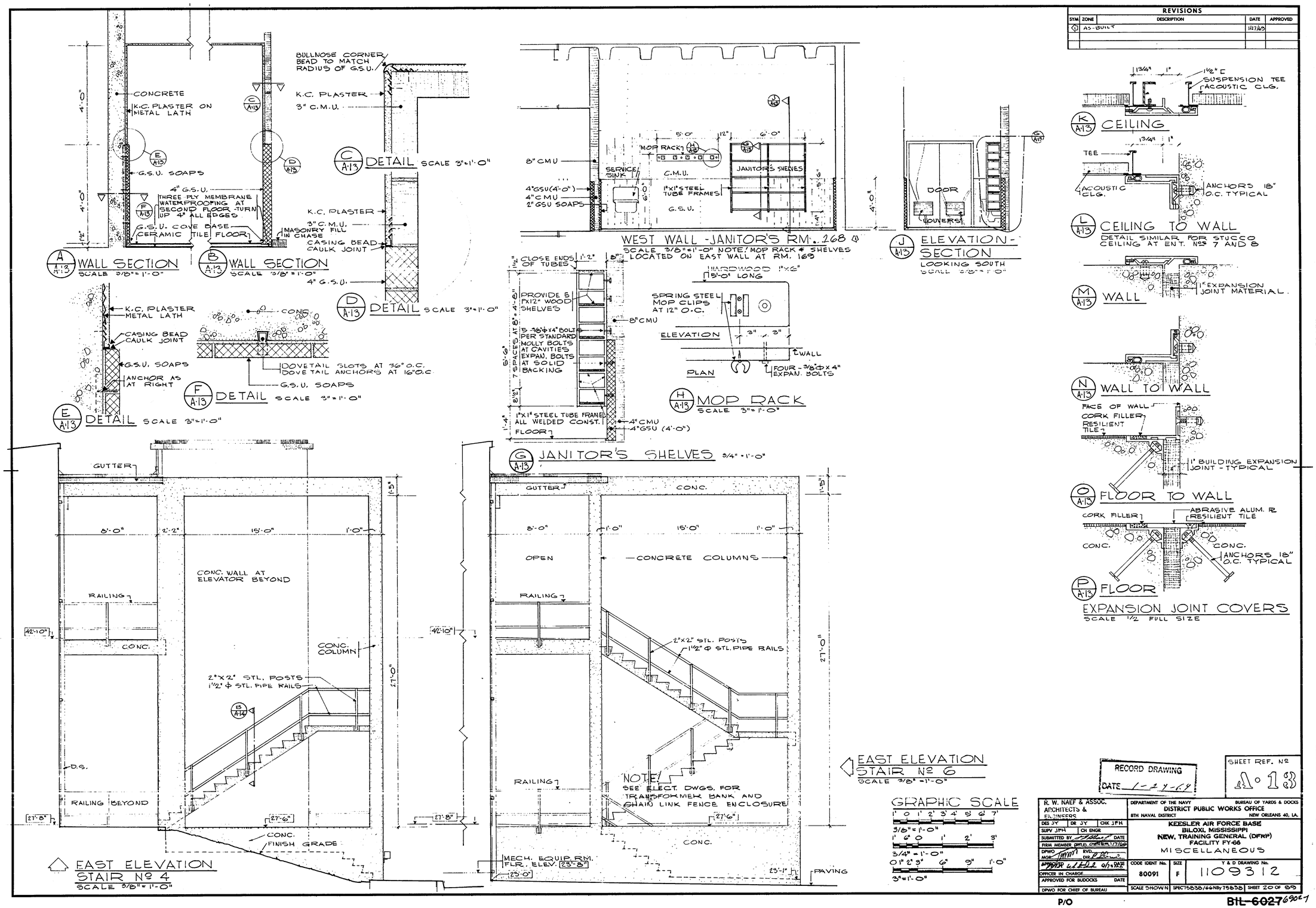
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

19/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		AS-BUILT	12/7/69	



RECORD DRAWING
DATE 1-24-69

SHEET REF. Nº A-13

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES JY / DR JY / CHK JFH	KEESLER AIR FORCE BASE
SUPV JFH / CH ENGR	BILOXI, MISSISSIPPI
SUBMITTED BY / DATE	NEW, TRAINING GENERAL. (DFRP)
FIRM MEMBER (PTLD) / DATE 1/7/66	FACILITY FY-66
DPWO / RVD.	MISCELLANEOUS
APPROVED / DATE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109312
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	SCALE SHOWN — SPEC 75B538/66 Nby 75B538 — SHEET 20 OF 59
DPWO FOR CHIEF OF BUREAU	

P/O

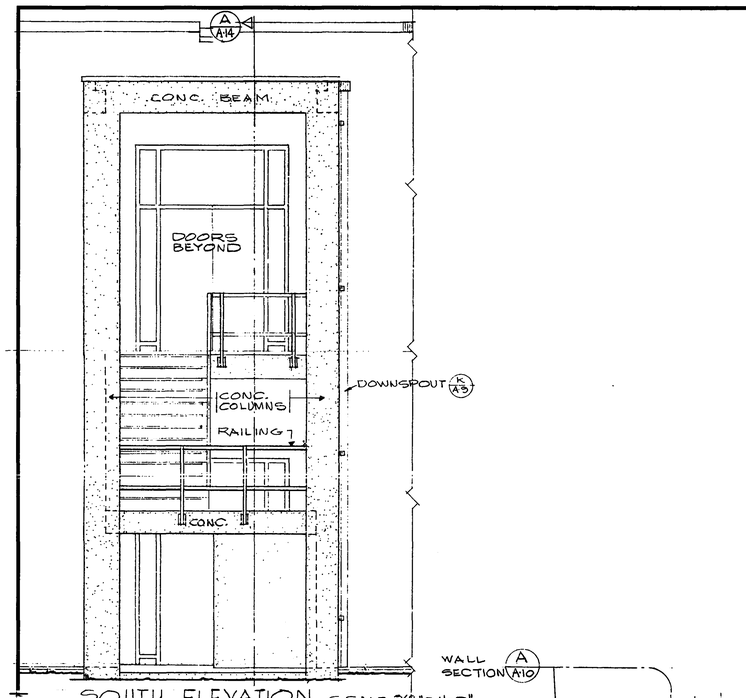
BtL-6027 69027

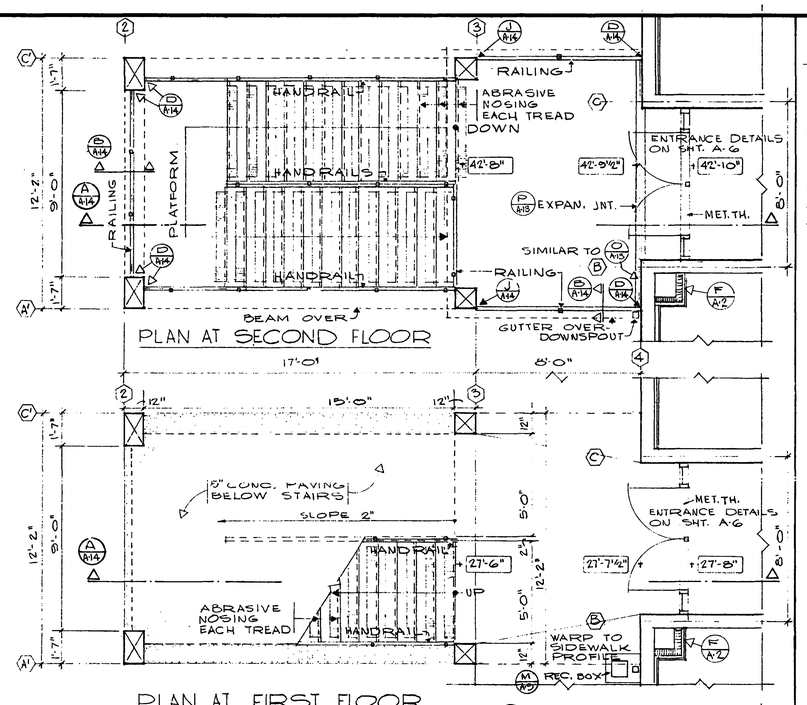
DRAWING NUMBER

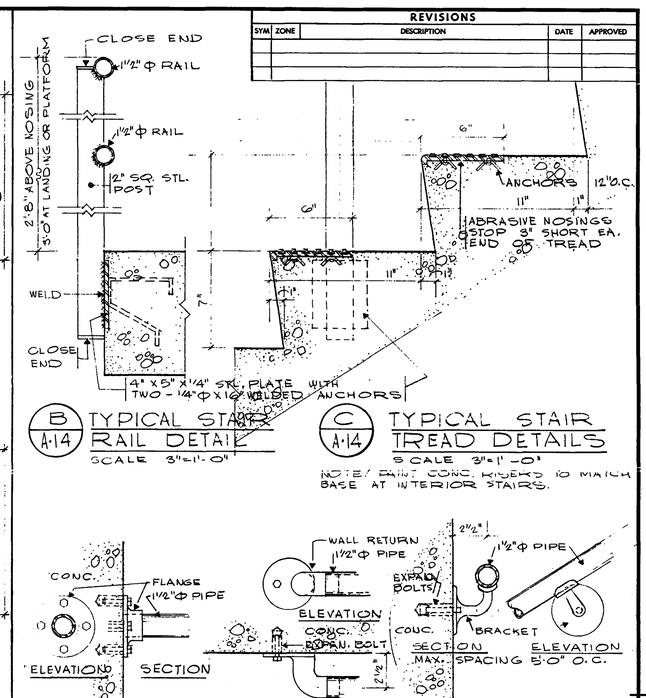
DRAWING NUMBER

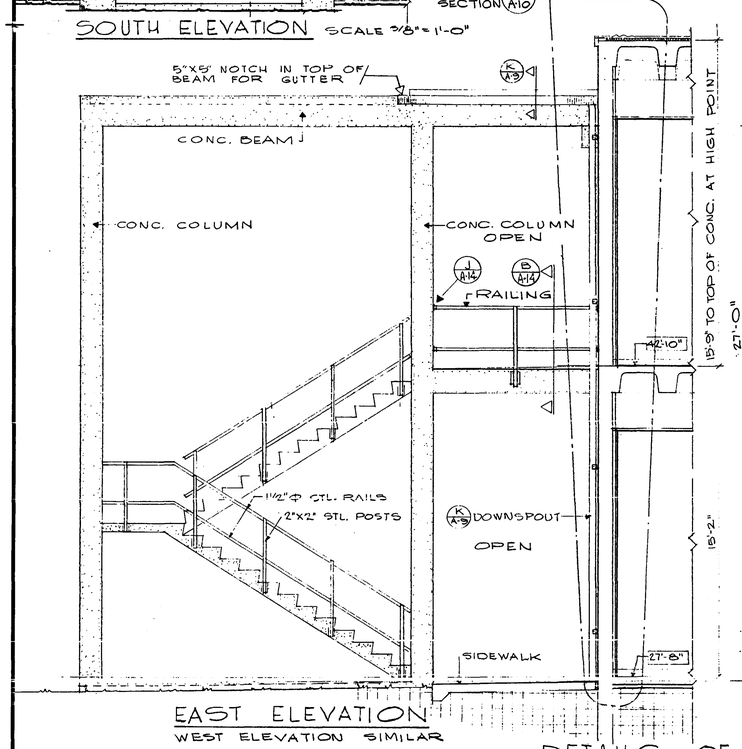
DRAWING NUMBER

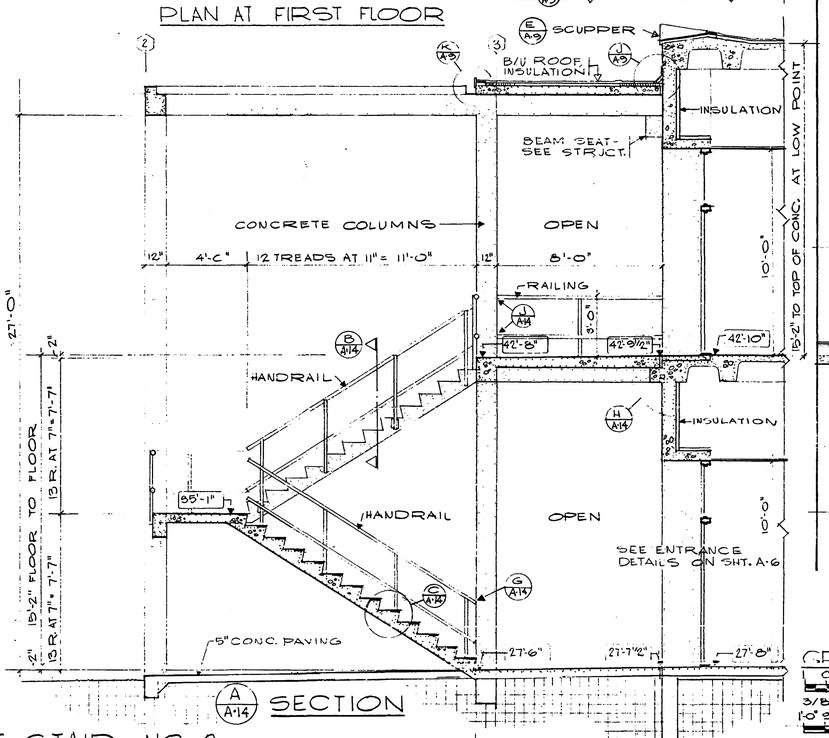
DRAWING NUMBER 20/59











DETAILS OF STAIR Nº 2
STAIR Nº 3 SIMILAR
SCALE 3/8" = 1'-0"

GRAPHIC SCALE
3/8" = 1'-0"
1'-0" 3" 6" 9" 0 1'-0"
1½" = 1'-0"
0 1" 2" 3" 6" 9" 1'-0"
3" = 1'-0"

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED

RECORD DRAWING
DATE 1-29-69

SHEET REF. Nº A-14

W. W. NAFF & ASSOC. ARCHITECTS & ENGINEERS
DES JY | DR JY | CHK JPH
SUPV JPH | CH ENGR
SUBMITTED BY DATE
FIRM MEMBER-TITLE
DPWO | EVO
MGR | DIR
APPROVED DATE
OFFICER IN CHARGE
APPROVED FOR BUDOCKS DATE
DPWO FOR CHIEF OF BUREAU

DEPARTMENT OF THE NAVY
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT
BUREAU OF YARDS & DOCKS
NEW ORLEANS 40, LA.

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW, TRAINING GENERAL (DFKP)
FACILITY FY-66
DETAILS - STAIR Nº 2
(STAIRS Nº 1 & Nº 3 SIMILAR)

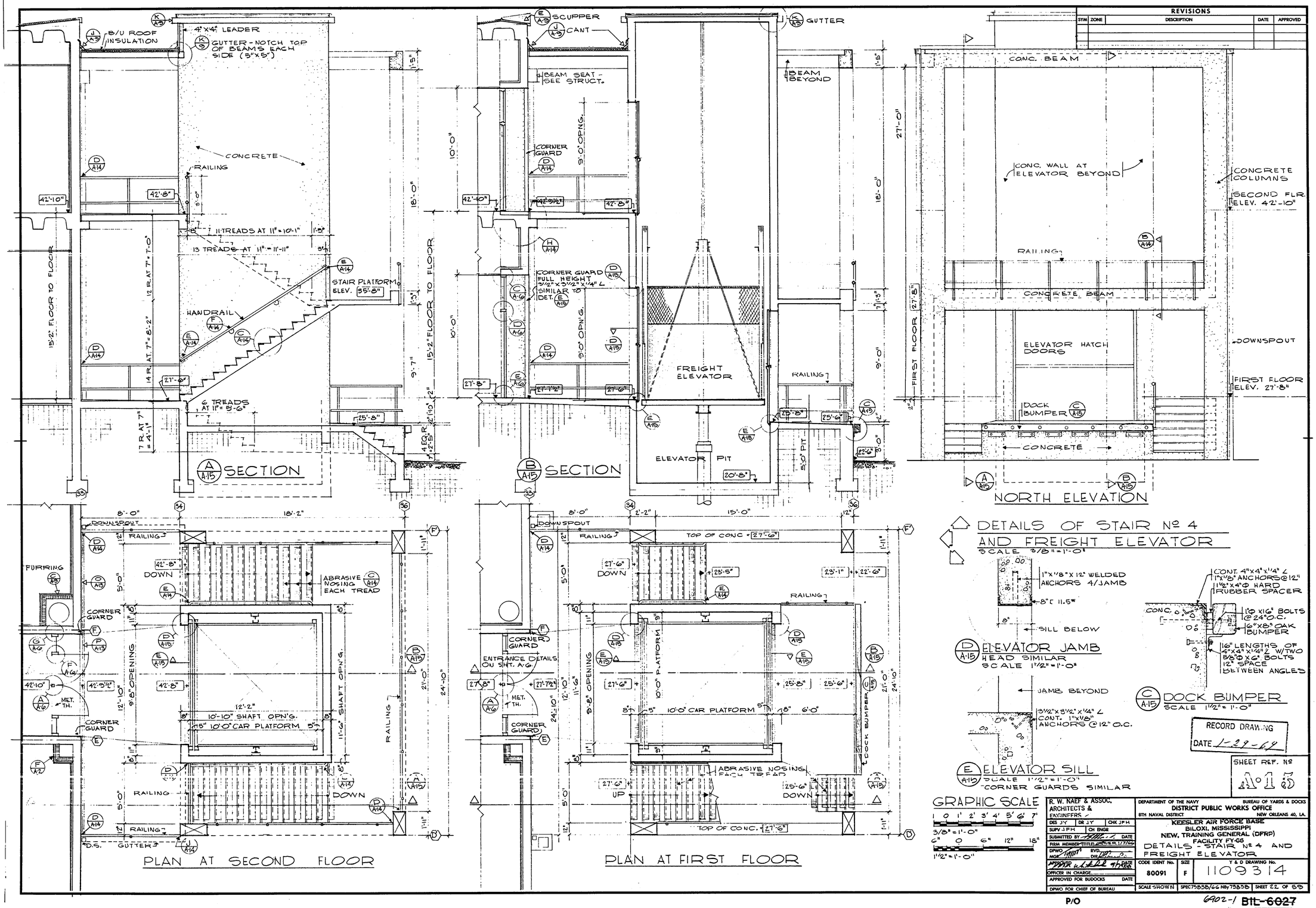
CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109313
SCALE SHOWN	SPEC 75838/66NB/75838	SHEET 21 OF 55

DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER
DRAWING NUMBER 21/59

P/O

6902-1 BIL-6027

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



RECORD DRAWING
DATE 1-29-69

SHEET REF. Nº A-15

R. W. NAEF & ASSOC.
ARCHITECTS & ENGINEERS

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW, TRAINING GENERAL (DFRP)
FACILITY FY-66
DETAILS - STAIR Nº 4 AND FREIGHT ELEVATOR

CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109314

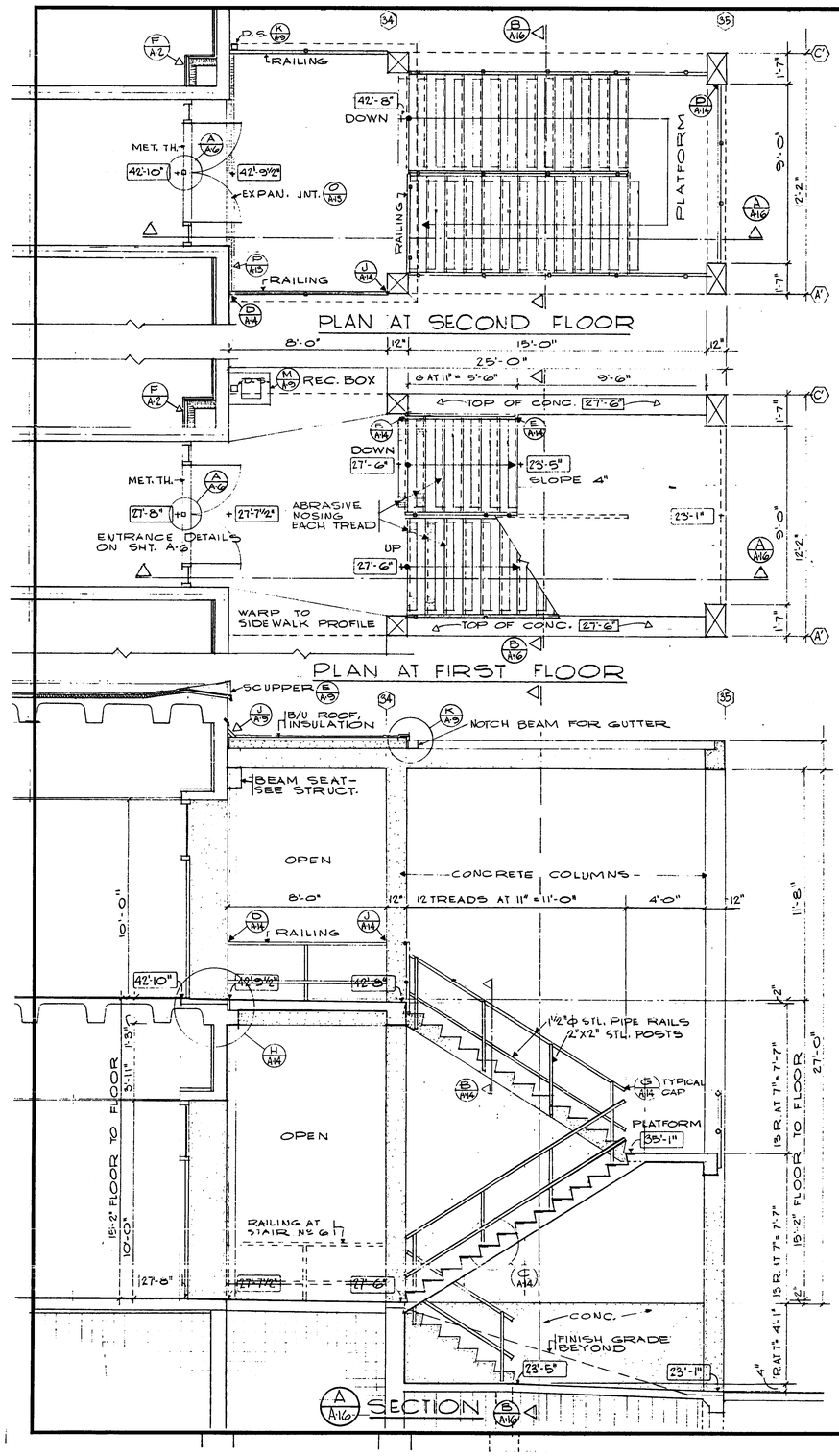
SCALE SHOWN — SPEC 75858/66 NB/75858 — SHEET 22 OF 59

P/O

6902-1 BTL-6027

DRAWING NUMBER

22/59



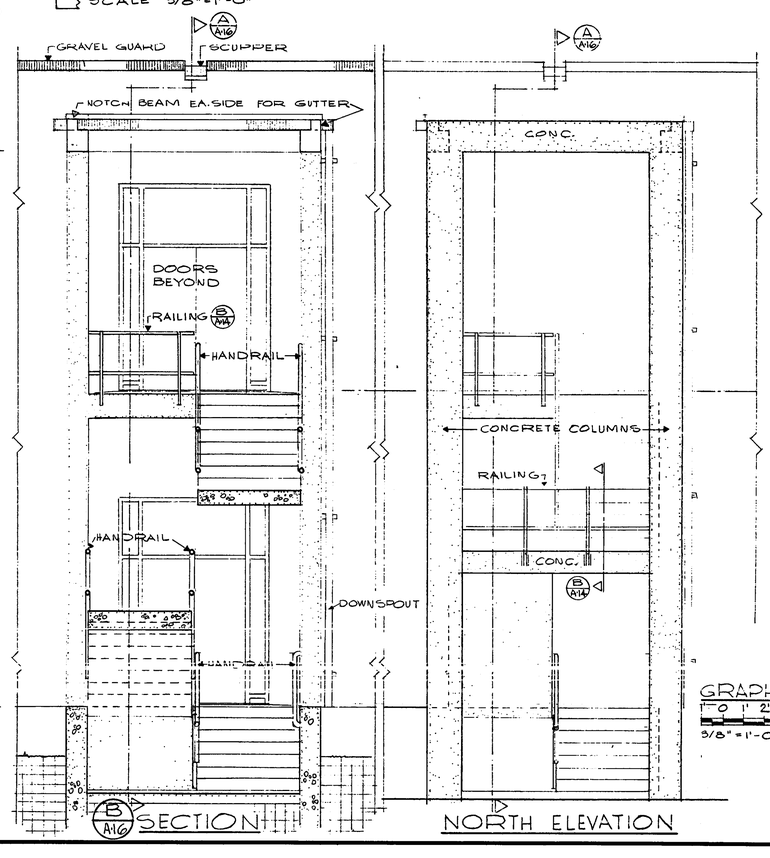
A/A16 SECTION B/A16

COLOR SCHEDULE

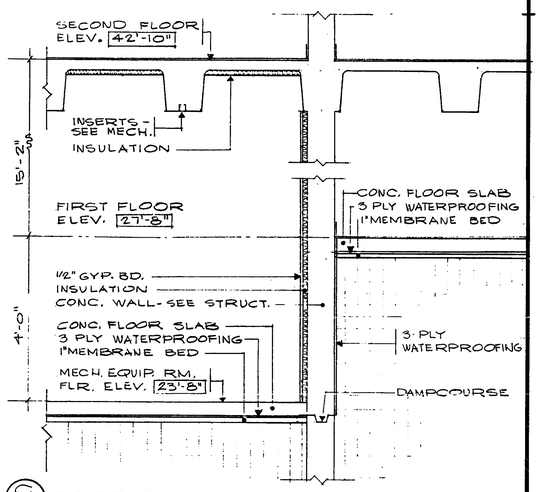
ROOM	FLOOR	BASE	WAINSCOT	WALLS	CEILING	REMARKS
TOILETS 163, 165, 166, 242, 263, 264	C.T.	G.S.U.	G.S.U.	25526	27786	METAL TOILET STALLS - DARK BLUE (SANYMETAL Nº 25) COUNTER IN 163 & 242 - FORMICA Nº 268
CORRIDORS 101 & 201 GRIDS 4 TO 18	A.T.	R.	NONE	33538	ACOUSTIC	
CORRIDORS 101 & 201 GRIDS 19 TO 33	A.T.	R.	NONE	33434	ACOUSTIC	
CORRIDORS 130 & 230 GRIDS 4 TO 18	A.T.	R.	NONE	33481	ACOUSTIC	
CORRIDORS 130 & 230 GRIDS 19 TO 33	A.T.	R.	NONE	33793	ACOUSTIC	
CORRIDORS 160, 162 & 260 GRIDS 4 TO 18	A.T.	R.	NONE	34533	ACOUSTIC	
CORRIDORS 162 & 260 GRIDS 19 TO 33	A.T.	R.	NONE	32276	ACOUSTIC	
CORRIDORS 168 & 260	A.T.	R.	GSU AT DF RECESSES	35414	ACOUSTIC	
EQUIP RM., AIR HANDLING RMS 122, 123, 153, 167, 240, 253, 265, 266	CONC.	NONE	NONE	36307	37886	
STAIRS 7 & 8	CONC.	PAINTED 27038	NONE	34383	GYP BD.	
JANITORS 169 & 268	C.T.	GSU	GSU	36306	37886	METAL BRACKETS PAINT 17038
LOBBY 140 OFFICES 141 & 142	A.T.	R.	NONE	34373	ACOUSTIC	
CLASSROOMS, ALL SPACE NOT SHOWN OTHERWISE	A.T.	R.	NONE	33722	GYP. BD.	

NOTES.
1. ALL PAINT COLORS SELECTED FROM FEDERAL STANDARD Nº 595 (FIVE DIGIT NUMBERS).
2. MANUFACTURERS' NAMES ARE USED TO ESTABLISH A COLOR SELECTION ONLY, AND NOT WITH THE INTENT TO LIMIT ANY ITEM TO THE MANUFACTURER SO NAMED.
3. A.T. = ASPHALT TILE, ALL ASPHALT TILE TO BE BLACK WITH WHITE MARBLEIZING, ARMSTRONG
4. R = 4" BLACK RESILIENT BASE
5. G.S.U. = GLAZED STRUCTURAL UNITS, ALL G.S.U. TO BE WHITE WITH BROWN SPECKS.
6. C.T. = CERAMIC TILE, ALL C.T. TO BE RANDOM PATTERN 1"X1" TILE
   - 66% WHITE W/ SPECK - MOSAIC Nº 181
   - 26% MOTTLED MEDIUM BLUE - MOSAIC Nº 102
   - 8% SOLID DARK BLUE - MOSAIC Nº 104
7. RAILINGS AT ALL STAIRS PAINTED GLOSS BLACK Nº 17038
8. ALL EXTERIOR DOOR FRAMES AND ENTRANCE FRAMES PAINTED Nº 17038, EXTERIOR DOORS PAINTED Nº 16376 GRAY.
9. INTERIOR FRAMES AND TRIM PAINTED TO MATCH ADJACENT WALL COLOR, INTERIOR METAL DOORS PAINTED Nº 12215. INTERIOR WOOD DOORS TO BE NATURAL FINISH.
10. ACOUSTIC CEILINGS AND SUSPENDED GYPSUM BOARD (GYP. BD.) CEILINGS TO BE FACTORY FINISH.

DETAILS OF STAIR Nº 5
STAIR Nº 6 SIMILAR
SCALE 3/8" = 1'-0"



B/A16 SECTION — NORTH ELEVATION



C/A16 SECTION
AT MECH. EQUIP. RM.
SCALE 3/4" = 1'-0"

GRAPHIC SCALE 1" 0 1' 2' 3' 4' 5' 6' 7'
3/8" = 1'-0"

RECORD DRAWING
DATE 2-2-67

SHEET REF. Nº A01 16

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		AS-BUILT	1/27/69	

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS
DES JY | DR JY | CHK JFH
SUPV JFH | CH ENGR
SUBMITTED BY | DATE
FIRM MEMBER (AFTER) | DATE 1/1/66
DPWO MGR | RVD DIR
APPROVED | DATE 1/10/66
OFFICER IN CHARGE
APPROVED FOR BUDOCKS | DATE
DPWO FOR CHIEF OF BUREAU

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW. TRAINING GENERAL (DFRP)
DETAILS STAIR Nº 5 (Nº 6 SIMILAR)
COLOR SCHEDULE

CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109315
SCALE SHOWN	SPEC 79-B-38/66 Nby 75838	SHEET 23 OF 59

P/O

6902-1 BTL-6027

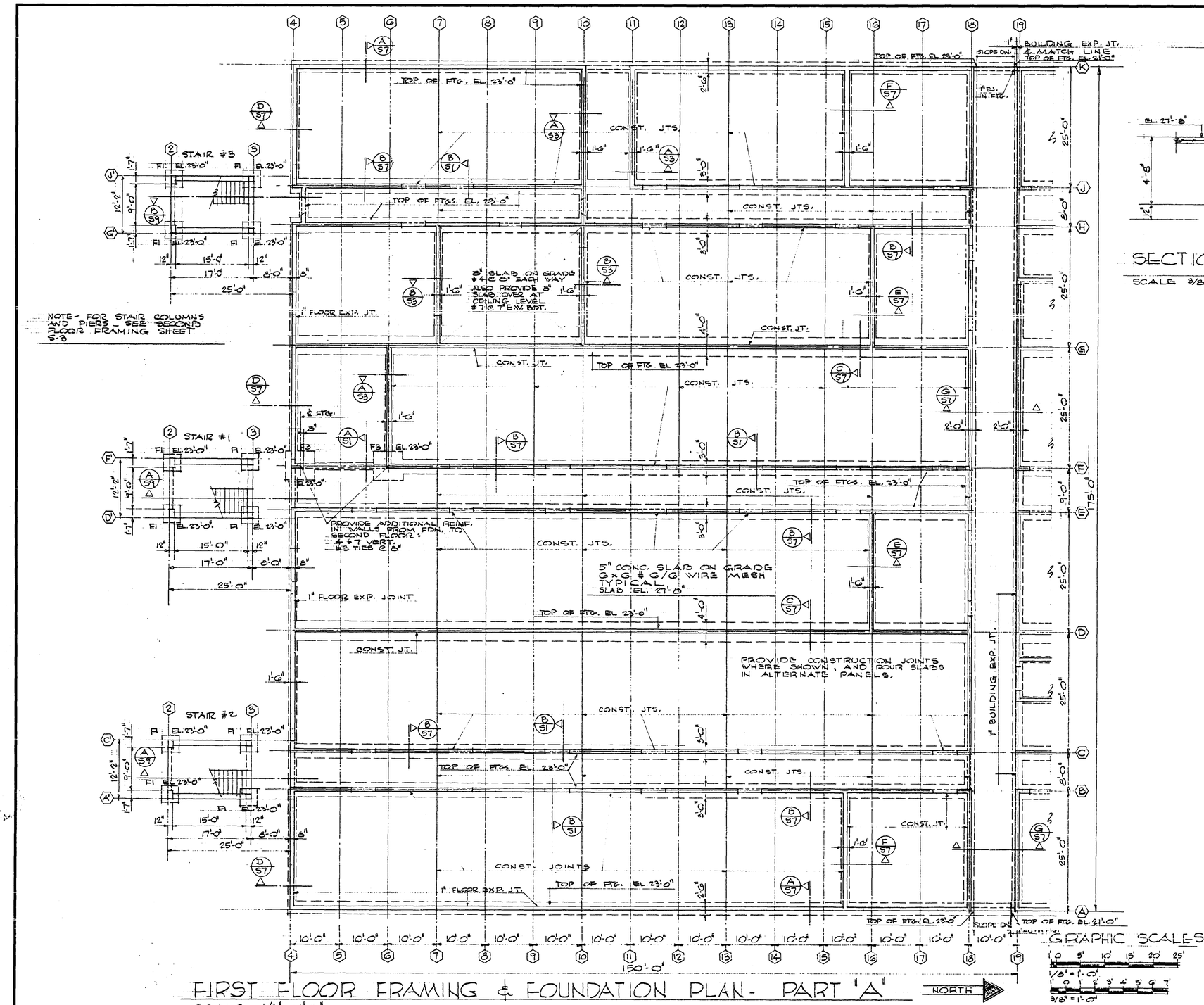
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER 23/59

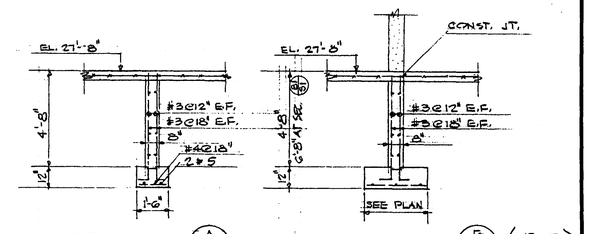
DRAWING NUMBER

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



FIRST FLOOR FRAMING & FOUNDATION PLAN - PART "A"

SCALE 1/8" = 1'-0"



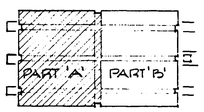
SECTION (A/S1)

SCALE 3/8" = 1'-0"

SECTION (B/S1) (TYP. AT FLOOR OPGS.)

SCALE 3/8" = 1'-0"

SECTION (B1/S1) SIMILAR



KEY PLAN

NO SCALE

RECORD DRAWING

DATE 1-24-69

SHEET REF. No S-1

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.	
DES TS / DR TS / CHK JH	KEESLER AIR FORCE BASE, BILOXI, MISSISSIPPI — NEW TRAINING GENERAL (DFRP) FACILITY FY-66	
SUPV JH / CH ENGR C.M.	FIRST FLOOR FRAMING AND FOUNDATION PLAN - PART "A"	
SUBMITTED BY / DATE		
FIRM MEMBER (TITLE) OWNER 12-69		
DPWO / RVD. / MGR. / DIR.		
APPROVED FOR / DATE	CODE IDENT No. 80091	SIZE F
OFFICER IN CHARGE		Y & D DRAWING No. 1109316
APPROVED FOR BUDOCKS / DATE		
DPWO FOR CHIEF OF BUREAU	SCALE NOTED	SPEC 75838/66 NBy 75338 — SHEET 24 OF 59

DRAWING NUMBER

DRAWING NUMBER

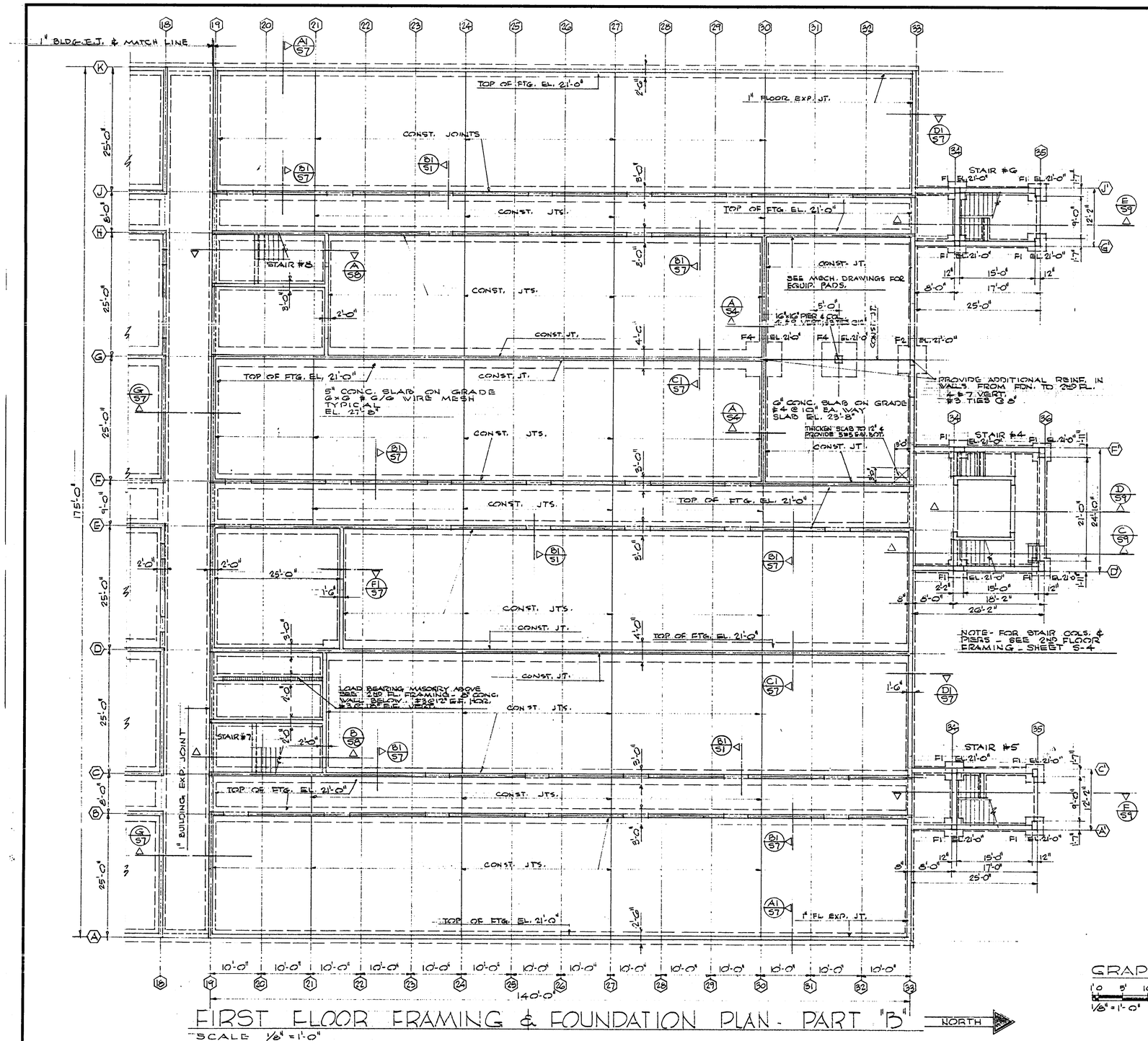
DRAWING NUMBER

DRAWING NUMBER

24/59

P/O 6902-1 BIL-6027

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



FIRST FLOOR FRAMING & FOUNDATION PLAN - PART "B"

SCALE 1/8" = 1'-0"

GENERAL NOTES:

1. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS IN 28 DAYS:
   A) FOOTINGS & SIDEWALKS: CLASS D-0.75 (2500 PSI)
   B) ALL OTHER: CLASS E-0.75 (3000 PSI)
2. REINFORCING SHALL BE INTERMEDIATE GRADE NEW BILLET STEEL WITH DEFORMATIONS MEETING A.S.T.M. SPEC. A-305.
3. LAP ALL BARS 24 DIAMETERS AT CORNERS, SPLICES AND INTERSECTIONS.
4. PROVIDE CORNER BARS OF SAME SIZE AND NUMBER AS HORIZONTAL BARS AT ALL CORNERS.
5. PROVIDE BAR SUPPORTS AS NECESSARY TO HOLD BARS IN PROPER POSITION AS SHOWN ON THE DRAWINGS AND AS NOTED.
6. CONCRETE COVER FOR REINF. SHALL BE AS FOLLOWS:
   A) 3" - FOOTINGS
   B) 1½" - BEAMS; COLUMNS; OUTSIDE FACE OF EXTERIOR WALLS; ALL WALLS BELOW FIRST FLOOR LEVEL.
   C) ¾" - JOISTS; SLABS; INSIDE FACE OF EXTERIOR WALLS AND INTERIOR WALLS ABOVE THE FIRST FLOOR LEVEL.
7. LAP WIRE MESH REINF. ONE FULL MESH OR 6" MIN. AT JOINTS. STAGGER JOINTS.
8. WHERE JOIST DISTRIBUTION RIB IS SHOWN ON THE PLANS, PROVIDE 5" RIB REINFORCED WITH 1 #4 CONT. TOP & BOT.
9. WHERE NOT SPECIFICALLY COVERED, REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST "ACI MANUAL FOR DETAILING REINFORCED CONCRETE STRUCTURES".
10. HORIZONTAL CONST. JOINTS IN WALLS SHALL BE FORMED WITH A KEYWAY AS DETAILED ON SHEET S-8. VERTICAL CONST. JOINTS IN WALLS SHALL OCCUR AT A CONTROL JOINT. (SEE ARCH.)
11. VERIFY ALL OPENINGS IN FLOORS, ROOFS AND WALLS.
12. ALL OPENINGS IN FLOOR OR ROOF OF 12" OR MORE IN ANY DIRECTION, UNLESS OTHERWISE NOTED, SHALL BE FRAMED WITH A 4" HEADER. HEADER SHALL BE REINFORCED WITH 1 #4 TOP & BOT.
13. CURBS AS REQUIRED AROUND MISC. OPENINGS SHALL BE REINFORCED WITH 1 #3 CONT. IN CENTER OF CURB & #3 DOWELS AT 12" FROM FLOOR SLAB.
14. UNLESS SHOWN OTHERWISE OPENINGS IN CONCRETE WALLS SHALL BE REINFORCED WITH A MIN. OF 2 #5 ALL AROUND OPENING, AND EXTENDING 2'-0" BEYOND EDGE OF OPENING. SEE ALSO SH. S-7
15. ALL FOOTINGS ARE TO BEAR IN FIRM, NATURAL UNDISTURBED SOIL. IF SOFT UNSUITABLE BEARING MATERIAL IS ENCOUNTERED, LOWER FOOTING AS REQUIRED. STEPS IN FOOTING NOT TO EXCEED 6" IN 2'-0" LENGTH.

DESIGN CRITERIA:

1. LOADING ASSUMPTIONS:
   A) VERTICAL LIVE LOADS:
      ROOF 20 PSF
      2ND FLOOR 100 PSF
      1ST FLOOR 150 PSF
   B) WIND LOAD 30 PSF
2. DESIGN UNIT STRESSES:
   A) CONCRETE:
      FOOTINGS & SIDEWALKS f'_c = 2500 PSI
      ALL OTHER f'_c = 3000 PSI
   B) REINFORCING STEEL:
      COLUMNS f_s = 16,000 PSI
      ALL OTHER f_s = 20,000 PSI
   C) SOIL BEARING: w_s = 3,000 PSF

KEY PLAN
NO SCALE

RECORD DRAWING
DATE 1-29-69

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

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.	
DES TS / DR TS / CHK JH	KEESLER AIR FORCE BASE — BILOXI, MISSISSIPPI — NEW, TRAINING GENERAL (DFRP) — FACILITY FY-66	
SUPV JH / CH ENGR CM	FIRST FLOOR FRAMING AND FOUNDATION PLAN - PART "B"	
SUBMITTED BY / DATE		
FIRM MEMBER (TITLE) / DATE 1-7-66		
DPWO MGR / RVD DR		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F — Y & D DRAWING No. 1109317
OFFICER IN CHARGE		
APPROVED FOR BUDOCKS / DATE		
DPWO FOR CHIEF OF BUREAU	SCALE 1/8"=1'-0"	SPEC 75B38/66 Nov 75B38 — SHEET 25 OF 59

SHEET REF. No. S-6

DRAWING NUMBER

DRAWING NUMBER

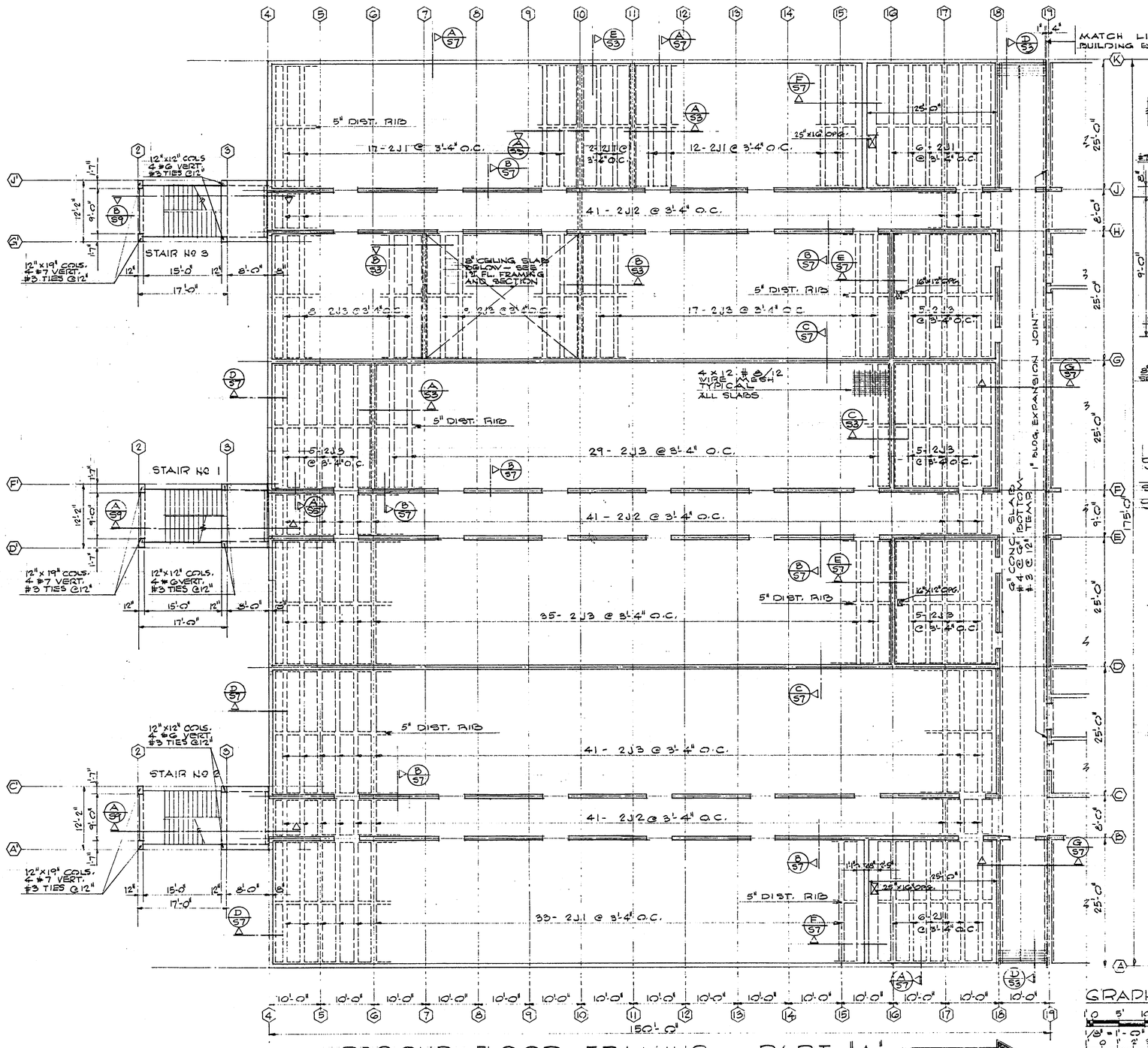
DRAWING NUMBER

DRAWING NUMBER 25/59

P/O

BtL 6027-6902-1

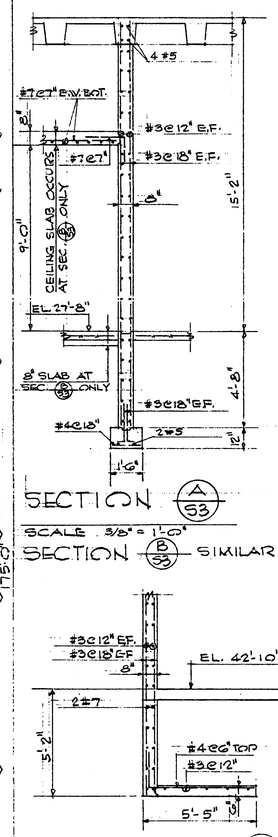
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



SECOND FLOOR FRAMING – PART "A"

SCALE 1/8" = 1'-0"

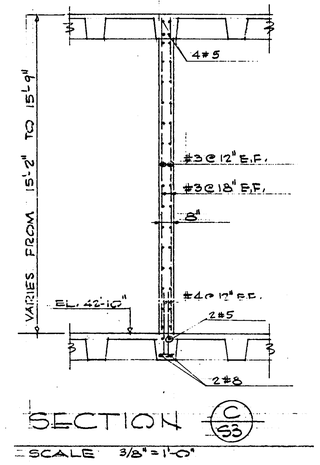
NORTH



SECTION A/53

SCALE 3/8" = 1'-0"

SECTION B/53 SIMILAR

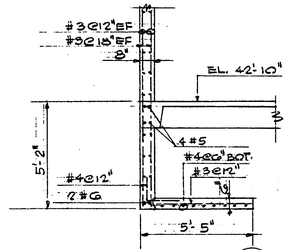


SECTION C/53

SCALE 3/8" = 1'-0"

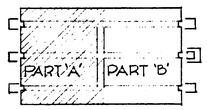
SECTION D/53

SCALE 3/8" = 1'-0"



SECTION E/53

SCALE 3/8" = 1'-0"



KEY PLAN

NO SCALE

RECORD DRAWING

DATE 1-29-69

GRAPHIC SCALE

1/8" = 1'-0"

3/8" = 1'-0"

SHEET REF. NO. S.03

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS

DES TS | DR TS | CHK JH

SUPV JH | CH ENGR CM

SUBMITTED BY DATE

FIRM MEMBER (TITLE) OWNER 12-66

DPWO EVD

MOA DIR

APPROVED DATE 9/14/72

OFFICER IN CHARGE

APPROVED FOR BUDOCKS DATE

DPWO FOR CHIEF OF BUREAU

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS

DISTRICT PUBLIC WORKS OFFICE

8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

KEESLER AIR FORCE BASE

BILOXI, MISSISSIPPI

NEW, TRAINING GENERAL (DFRP)

FACILITY FY-66

SECOND FLOOR FRAMING PLAN – PART 'A'

CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109318

SCALE NOTED | SPEC 75258 / GG NBy 75258 | SHEET 26 OF 59

P/O

6902-1 BIL-6027

DRAWING NUMBER

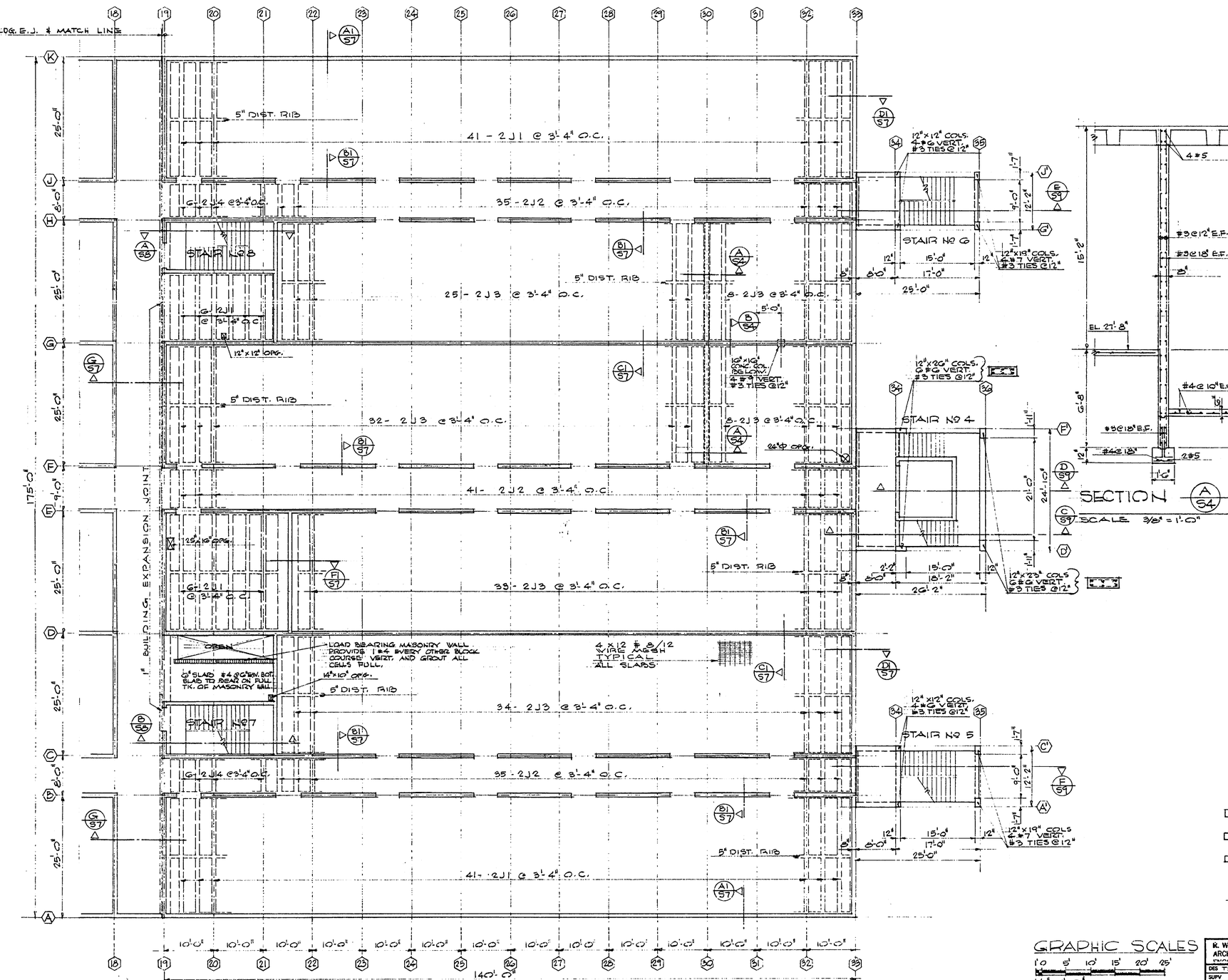
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

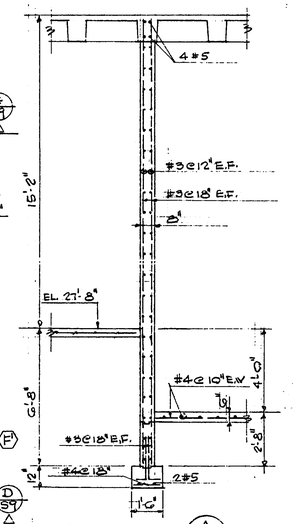
26/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



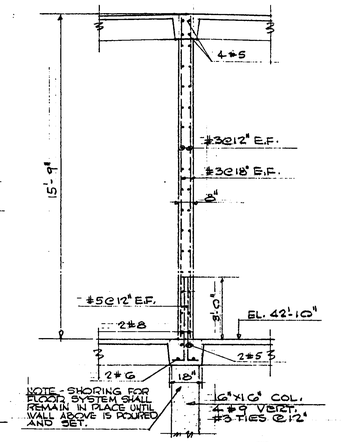
SECOND FLOOR FRAMING - PART 'B'

SCALE 1/8" = 1'-0"



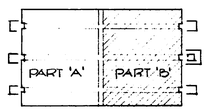
SECTION A/S4

SCALE 3/8" = 1'-0"



SECTION B/S4

SCALE 3/8" = 1'-0"



KEY PLAN

NO SCALE

RECORD DRAWING

DATE 1-29-69

SHEET REF No S-01

GRAPHIC SCALES

1/8" = 1'-0"

3/8" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT NEW ORLEANS 40, LA.		
DES TS / DR TS / CHK JH	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFKP) FACILITY FY-66		
SUPV JH / CH ENGR CM	SECOND FLOOR FRAMING PLAN - PART "B"		
SUBMITTED BY / DATE			
FIRM MEMBER (TITLE) OWNER 1-7-66			
DPWO / RVD			
MGR / DR			
APPROVED / DATE 9/14/66	CODE IDENT No. 80091	SIZE F	Y & D DRAWING No. 1109319
OFFICER IN CHARGE			
APPROVED FOR BUDOCKS / DATE			
DPWO FOR CHIEF OF BUREAU	SCALE NOT GD	SPEC 15838/66 NBy 75838	SHEET 27 OF 59

P/O

6902-1 BIL-6027

DRAWING NUMBER

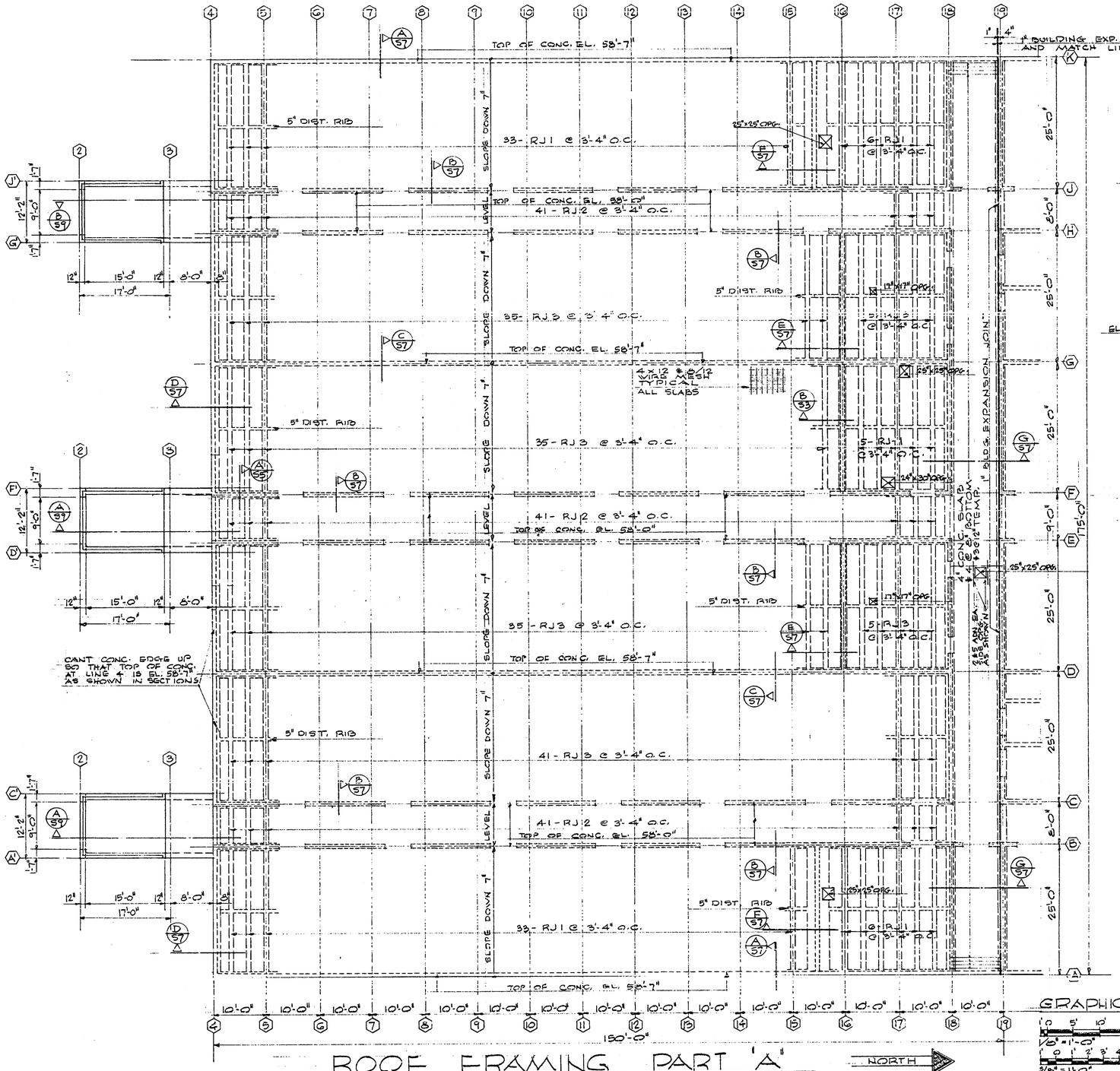
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

27/59

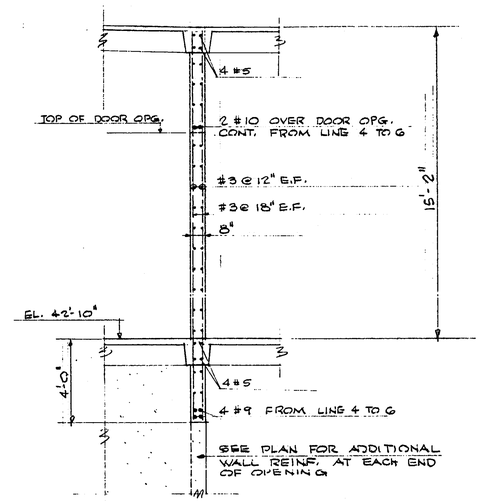
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



ROOF FRAMING PART 'A'

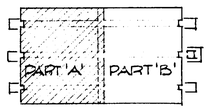
SCALE 1/8" = 1'-0"

NORTH



SECTION A/S5

SCALE 3/8" = 1'-0"



KEY PLAN

NO SCALE

RECORD DRAWING

DATE 1-29-69

SHEET REF. No. S-5

GRAPHIC SCALES

1/8" = 1'-0"

3/8" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.	
DES TS / DR TS / CHK JH	KEESLER AIR FORCE BASE — BILOXI, MISSISSIPPI — NEW, TRAINING GENERAL (DFRP) — FACILITY FY-66	
SUPV JH / CH ENGR CM	ROOF FRAMING PLAN - PART "A"	
SUBMITTED BY / DATE		
FIRM MEMBER (TITLE) / DATE		
DPWO / EVD.		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F — Y & D DRAWING No. 1109320
OFFICER IN CHARGE		
APPROVED FOR BUDOCKS / DATE	SCALE NOTED	SPEC 75838/66 NBy 75824 — SHEET 28 OF 59
DPWO FOR CHIEF OF BUREAU		

P/O

6902-1 ~~BIL-6027~~

DRAWING NUMBER

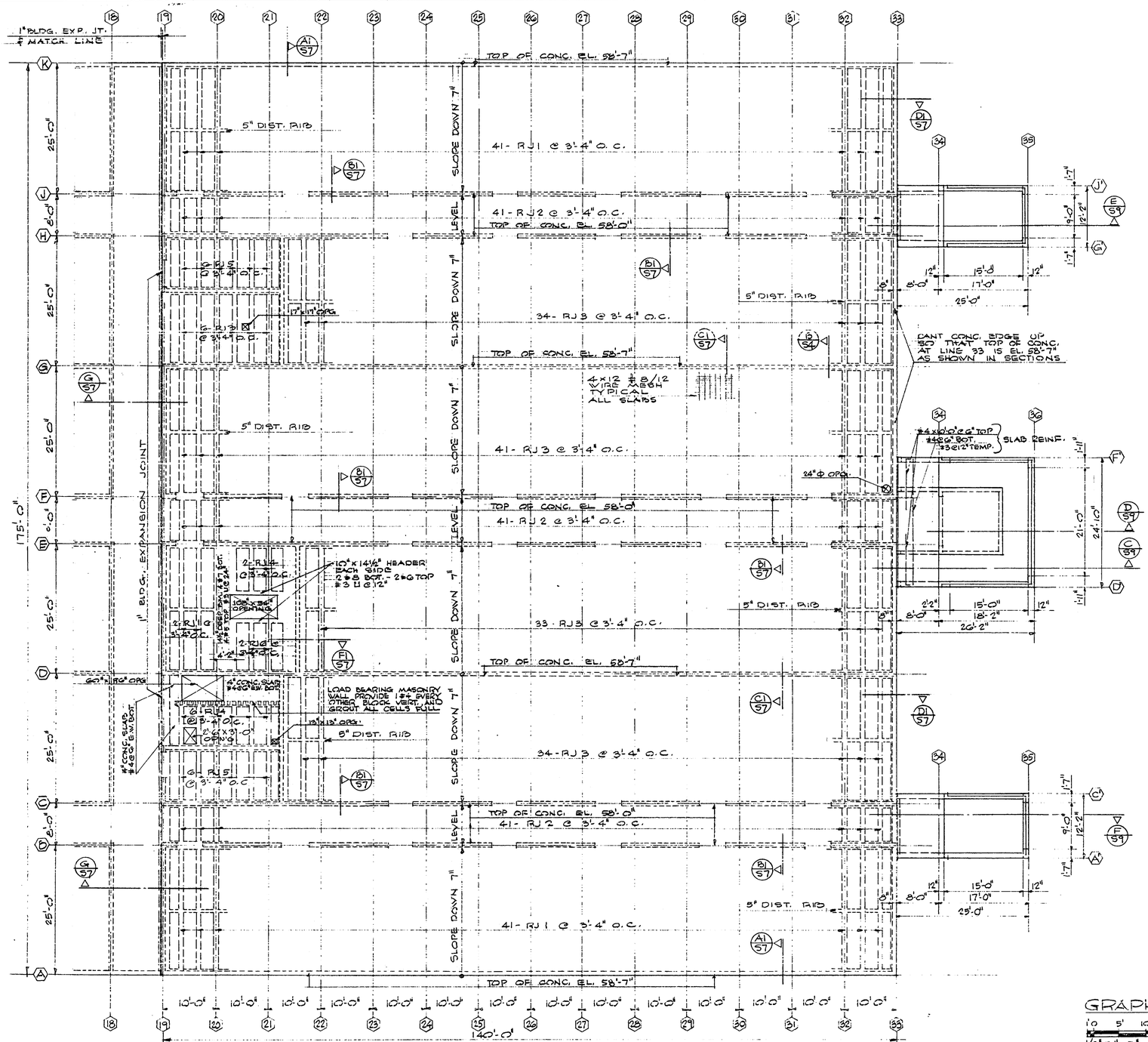
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

28/59

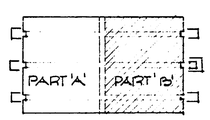
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



ROOF FRAMING PART 'B'

SCALE 1/8" = 1'-0"

NORTH



KEY PLAN

NO SCALE

RECORD DRAWING
DATE 1-29-69

SHEET REF. No. S-6

GRAPHIC SCALE

1/8" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT	BUREAU OF YARDS & DOCKS NEW ORLEANS 40, LA.
DES TS / DR TS / CHK JH	KEESLER AIR FORCE BASE, BILOXI, MISSISSIPPI NEW. TRAINING GENERAL (DFRP) FACILITY FY-66	
SUPV JH / CH ENGR CM		
SUBMITTED BY / DATE	ROOF FRAMING PLAN - PART "B"	
FIRM MEMBER (TITLE) OWNER / DATE		
DPWO / EVD / MGR / DIR		
APPROVED / DATE	CODE IDENT No. 80091 / SIZE F	Y & D DRAWING No. 1109321
OFFICER IN CHARGE		
APPROVED FOR BUDOCKS / DATE		
DPWO FOR CHIEF OF BUREAU	SCALE 1/8" = 1'-0" / SPEC 75838/66 Nby 75838	SHEET 29 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER

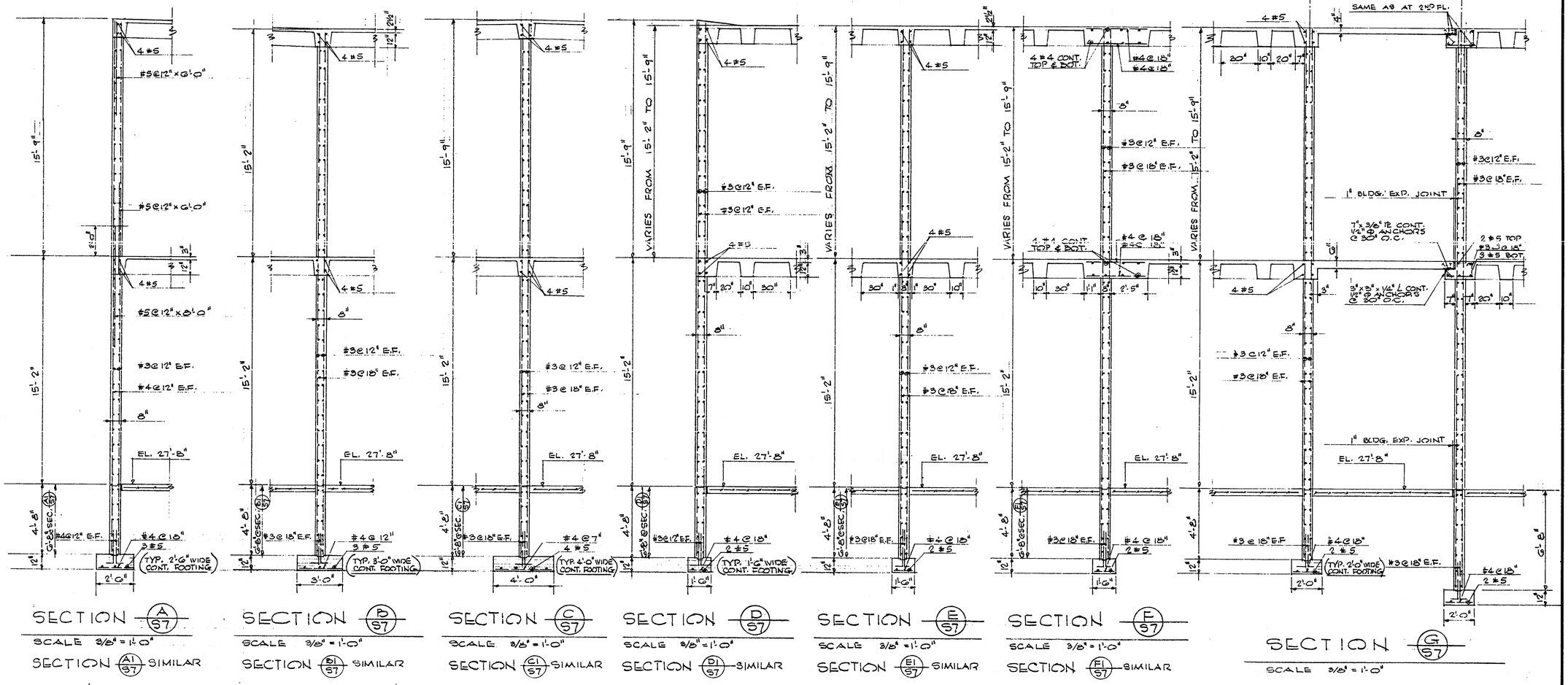
DRAWING NUMBER

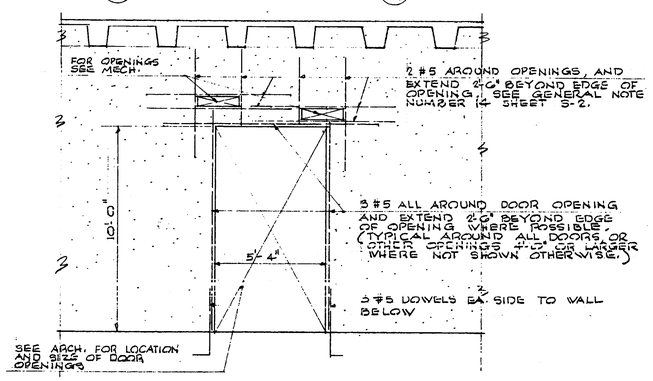
DRAWING NUMBER

DRAWING NUMBER

29/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED





TYP. DETAIL - OPENINGS IN CONC. WALLS

SCALE 3/8" = 1'-0"

GRAPHIC SCALE

3/8" = 1'-0"

RECORD DRAWING

DATE 1-29-69

SHEET REF. NO. S-7

R. W. NAFF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES TS / DR TS / CHK JH	KEESLER AIR FORCE BASE — BILOXI, MISSISSIPPI — NEW. TRAINING GENERAL (DFRP) — FACILITY FY-66
SUPV JH / CH ENGR CM	WALL SECTIONS
SUBMITTED BY / DATE	
FIRM MEMBER (TITLE) / DATE 1-7-66	
DPWO / RVD.	
MGR. / DATE	
APPROVED / DATE	
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	
DPWO FOR CHIEF OF BUREAU	

CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109322
SCALE 3/8"=1'-0"	SPEC 75838/66 Nby 75836	SHEET 30 OF 59

P/O

6902-1 BIL-6027

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

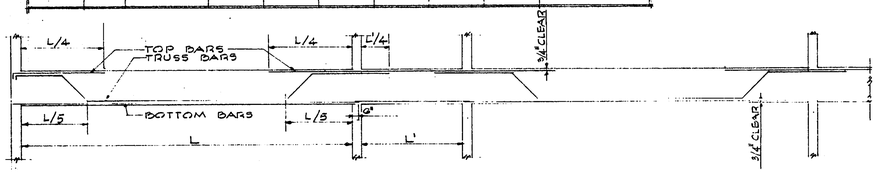
DRAWING NUMBER

30/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED

JOIST SCHEDULE

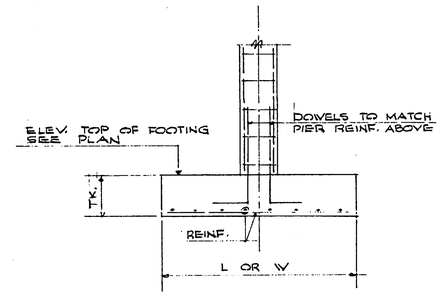
MARK	SIZE W	SIZE D	REINFORCING TOP	REINFORCING TRUSS	REINFORCING BOTTOM	SKETCH	REMARKS
RJ1	10"	12" + 2½"	1 #5	1 #7	1 #5		
RJ2	10"	12" + 2½"	1 #7		1 #5		
RJ3	10"	12" + 2½"		1 #7	1 #5		
RJ4	10"	12" + 2½"	1 #7		1 #5		
RJ5	10"	12" + 2½"	1 #7		1 #7		
RJ6	10"	12" + 2½"	1 #7		1 #7		
2J1	10"	12" + 3"	1 #7	1 #9	1 #7		
2J2	10"	12" + 3"	1 #9		1 #6		
2J3	10"	12" + 3"		1 #9	1 #6		
2J4	10"	12" + 3"	1 #9		1 #6		



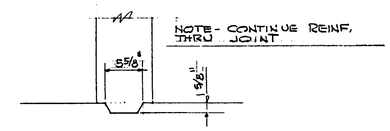
JOIST BAR DIAGRAM
NO SCALE

SPOT FOOTING SCHEDULE

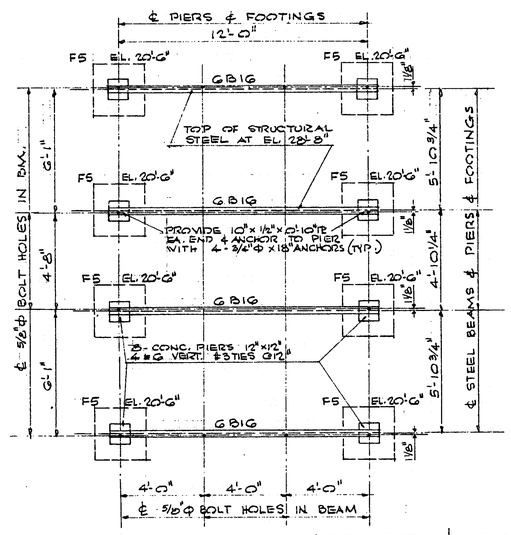
MARK	SIZE L	SIZE W	SIZE TK.	REINFORCING L.W. BOT.	REINFORCING S.W. BOT.	REMARKS
F1	3'-6"	3'-6"	12"	4 #4	4 #4	
F2	5'-6"	5'-6"	18"	7 #5	7 #5	
F3	6'-0"	6'-0"	18"	8 #5	8 #5	
F4	7'-0"	7'-0"	18"	8 #6	8 #6	
F5	2'-6"	2'-6"	12"	3 #4	3 #4	AT COOLING TOWER



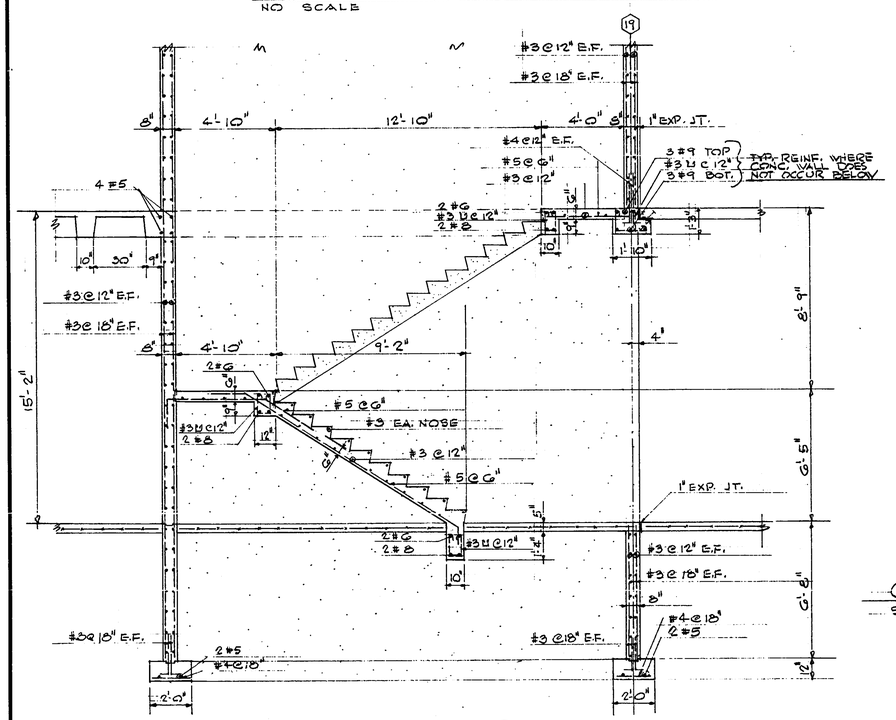
SPOT FOOTING & PIER DETAIL
NO SCALE



TYP. KEYWAY FOR CONST. JOINTS
NO SCALE



COOLING TOWER SUPPORT & FDN.
SCALE 3/8" = 1'-0"



SECTION A/S8 (STAIR #8)
SCALE 3/8" = 1'-0"

SECTION B/S8 OPP. HAND (STAIR #7)

RECORD DRAWING
DATE 1-29-69

SHEET REF. Nº S·8

GRAPHIC SCALE
1' 0 1' 2' 3' 4' 5' 6' 7'
3/8" = 1'-0"

K. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.	
DES TS / DR TS / CHK JH	KEESLER AIR FORCE BASE — BILOXI, MISSISSIPPI — NEW. TRAINING GENERAL (DFRP) — FACILITY FY-66	
SUPV JH / CH ENGR CM	SCHEDULES AND DETAILS	
SUBMITTED BY / DATE		
FIRM MEMBER (TITLE) / DATE 1-7-66		
DPWO / RVD		
MGR. Bldg. Div. / DIR.		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F
OFFICER IN CHARGE		
APPROVED FOR BUDOCKS / DATE	SCALE 3/8"=1'-0"	SPEC 75838/66 NBy 75838
DPWO FOR CHIEF OF BUREAU		SHEET 31 OF 59

Y & D DRAWING No. 1109323

P/O

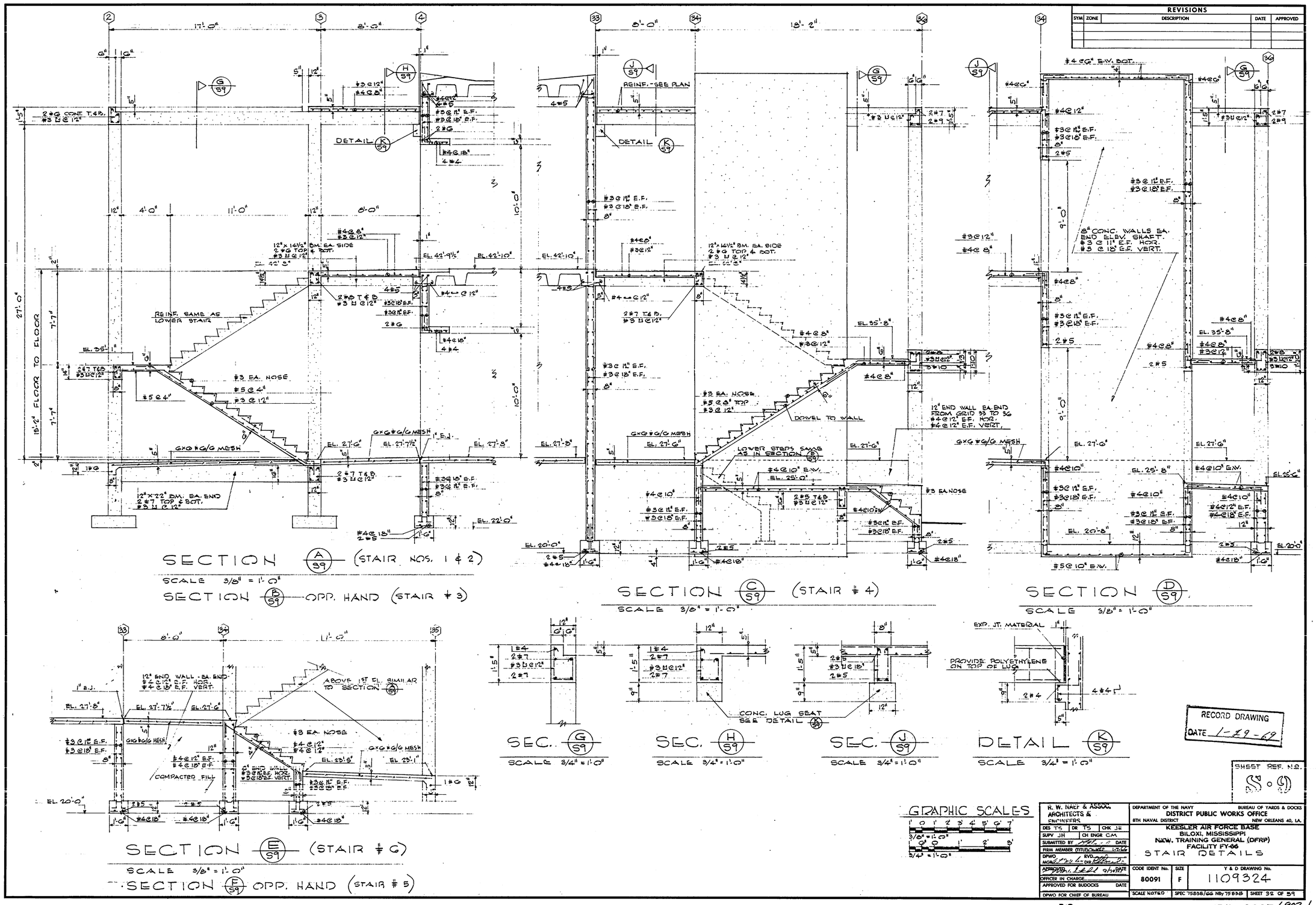
BTL-6027 69021

DRAWING NUMBER

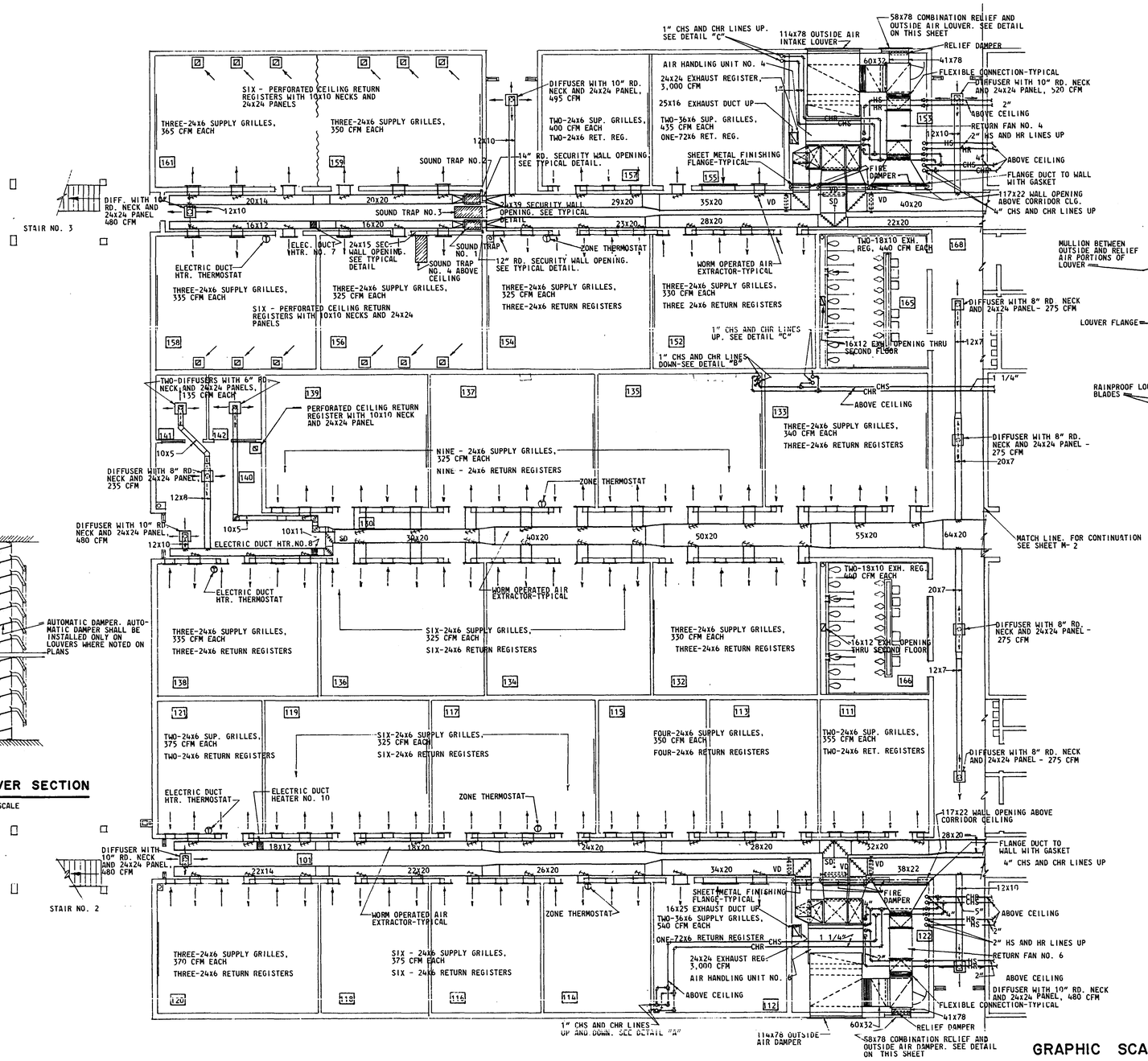
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER 31/59

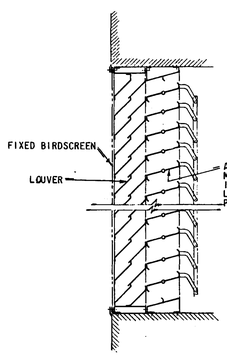

REVISIONS
SYM ZONE DESCRIPTION DATE APPROVED
SECTION A/59 (STAIR NOS. 1 & 2)
SCALE 3/8" = 1'-0"
SECTION B/59 OPP. HAND (STAIR # 3)
SECTION C/59 (STAIR # 4)
SCALE 3/8" = 1'-0"
SECTION D/59
SCALE 3/8" = 1'-0"
SECTION E/59 (STAIR # 6)
SCALE 3/8" = 1'-0"
SECTION E/59 OPP. HAND (STAIR # 5)
SEC. G/59
SCALE 3/4" = 1'-0"
SEC. H/59
SCALE 3/4" = 1'-0"
SEC. J/59
SCALE 3/4" = 1'-0"
DETAIL K/59
SCALE 3/4" = 1'-0"
GRAPHIC SCALES
RECORD DRAWING
DATE 1-29-69
SHEET REF. NO.
R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS
DEPARTMENT OF THE NAVY
BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT
NEW ORLEANS 40, LA.
KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW. TRAINING GENERAL (DFRP)
FACILITY FY-66
STAIR DETAILS
CODE IDENT No. 80091
SIZE F
Y & D DRAWING No. 1109324
SCALE NOTED
SHEET 32 OF 59
DRAWING NUMBER
32/59
P/O
BIL-6027 6902-1

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



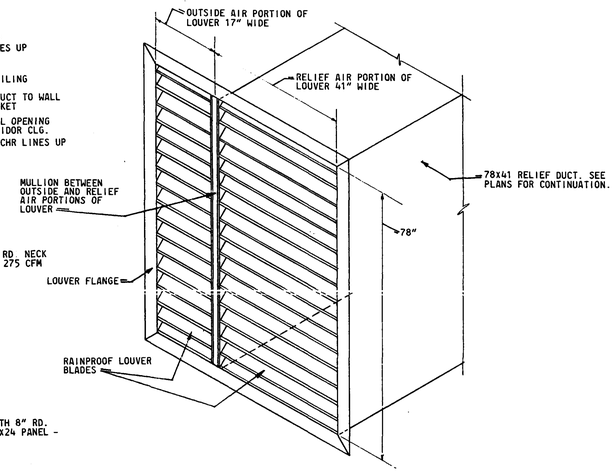
FIRST FLOOR PLAN - PART "A"

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



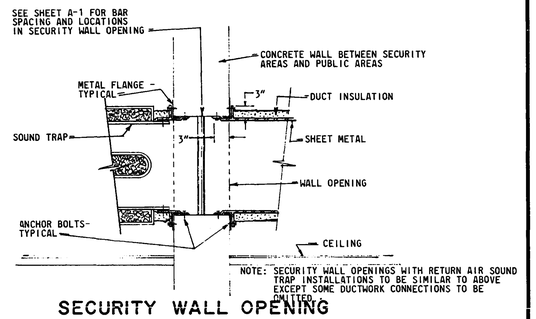
TYPICAL LOUVER SECTION

NOT TO SCALE



COMBINATION RELIEF AND OUTSIDE AIR LOUVER DETAIL

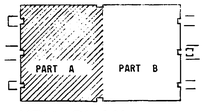
NOT TO SCALE



NOTE: SECURITY WALL OPENINGS WITH RETURN AIR SOUND TRAP INSTALLATIONS TO BE SIMILAR TO ABOVE EXCEPT SOME DUCTWORK CONNECTIONS TO BE OMITTED.

SECURITY WALL OPENING DETAIL

NOT TO SCALE



KEY PLAN

RECORD DRAWING
DATE 1-28-69

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

SHEET REF. NO. M-1

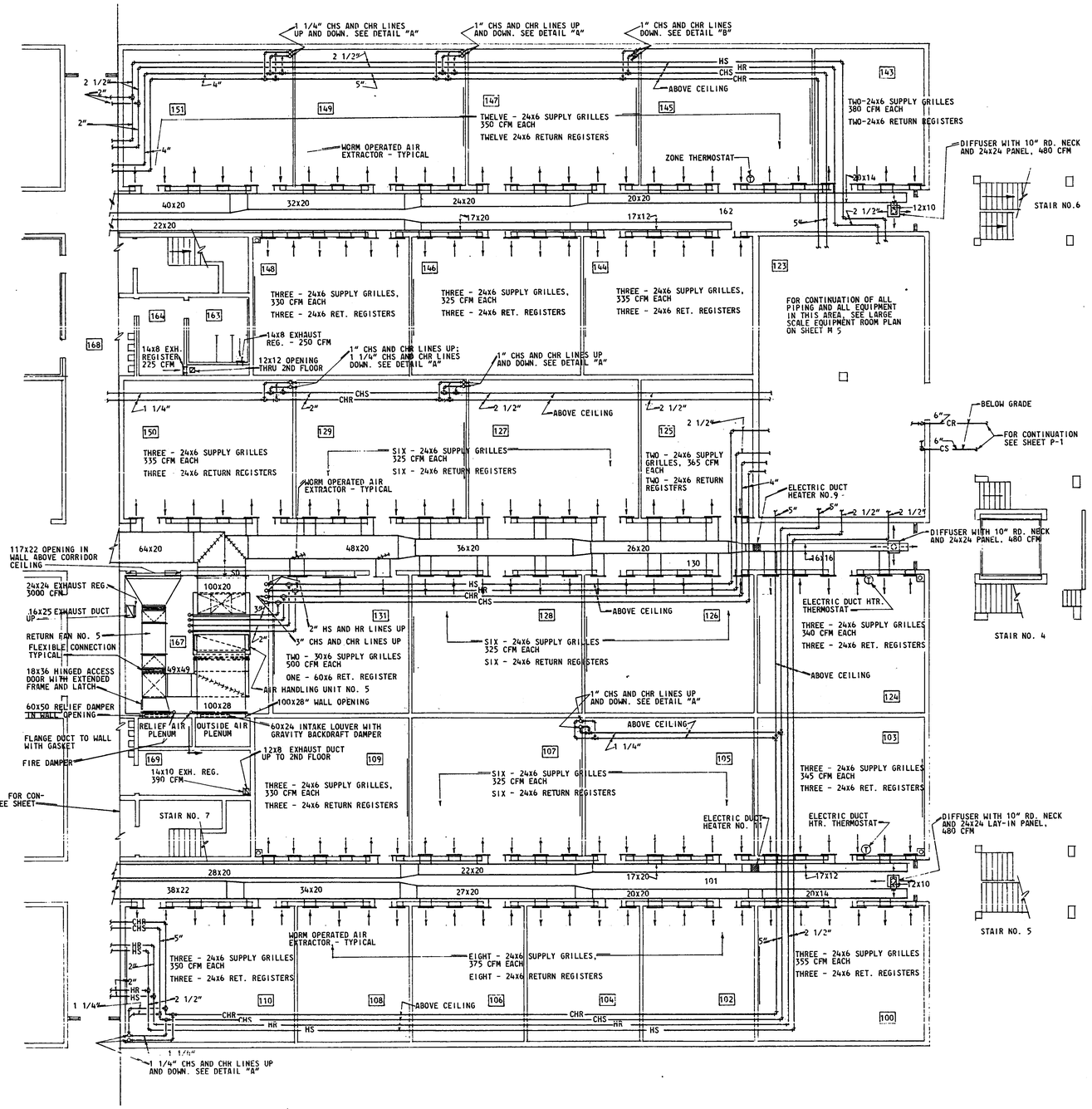
R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT	BUREAU OF YARDS & DOCKS NEW ORLEANS 40, LA.
DES DGT DR AK CHK JWB SUPV JWB CH ENGR SUBMITTED BY DATE FIRM MEMBER (TITLE) TONNER 1-17-66 DPWO MGR. RVD. DIR. APPROVED DATE OFFICER IN CHARGE APPROVED FOR BUDOCKS DATE DPWO FOR CHIEF OF BUREAU	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW. TRAINING GENERAL (DFRP) FACILITY FY-66 AIR CONDITIONING PLAN FIRST FLOOR PLAN PART 'A'	
	CODE IDENT NO. 80091	SIZE F
	Y & D DRAWING No. 1109325	
	SCALE AS NOTED	SPEC 75838 66NBy 75838 SHEET 33 OF 59

P/O

BIL-6027 6902-1

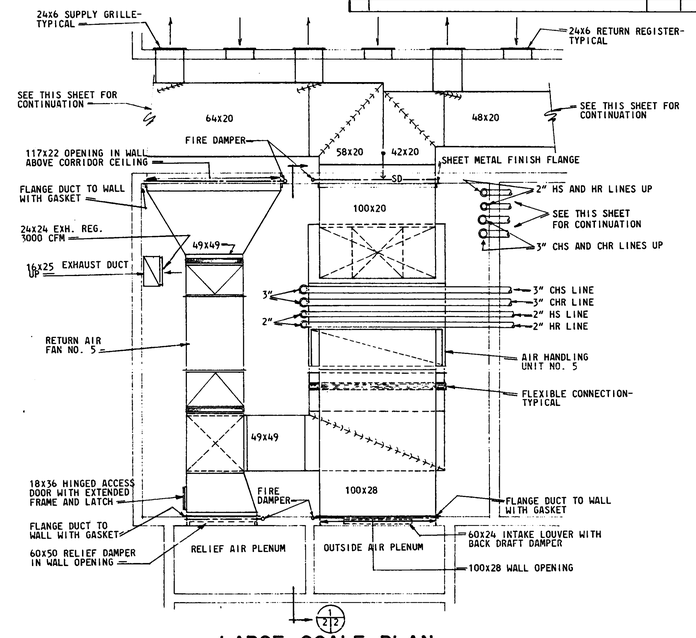
DRAWING NUMBER 33/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



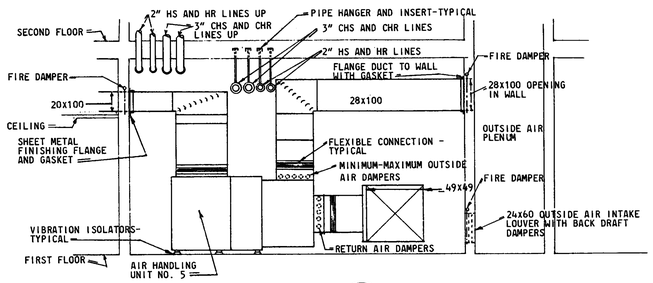
FIRST FLOOR PLAN - PART "B"

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



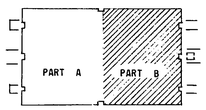
LARGE SCALE PLAN
MECHANICAL EQUIPMENT ROOM NO. 167

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



SECTION 1/2

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



KEY PLAN

RECORD DRAWING
DATE 1-29-69

SHEET REF NO. M.62

GRAPHIC SCALES

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

1'0 2' 4' 6' 8' 10' 12'
1/4" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.	
DES DGT DR AK CHK JWB SUPV JKD CH ENGR SUBMITTED BY DATE FIRM MEMBER (TITLE) OWNER 1-7-69 DPWO RVD MGR DIR	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66 AIR CONDITIONING PLAN FIRST FLOOR PART 'B'	
APPROVED DATE OFFICER IN CHARGE APPROVED FOR BUDOCKS DATE DPWO FOR CHIEF OF BUREAU	CODE IDENT No. 80091 / SIZE F / Y & D DRAWING No. 1109326	
	SCALE AS NOTED	SPEC 75838/66 Nby 75838 — SHEET 34 OF 59

DRAWING NUMBER

DRAWING NUMBER

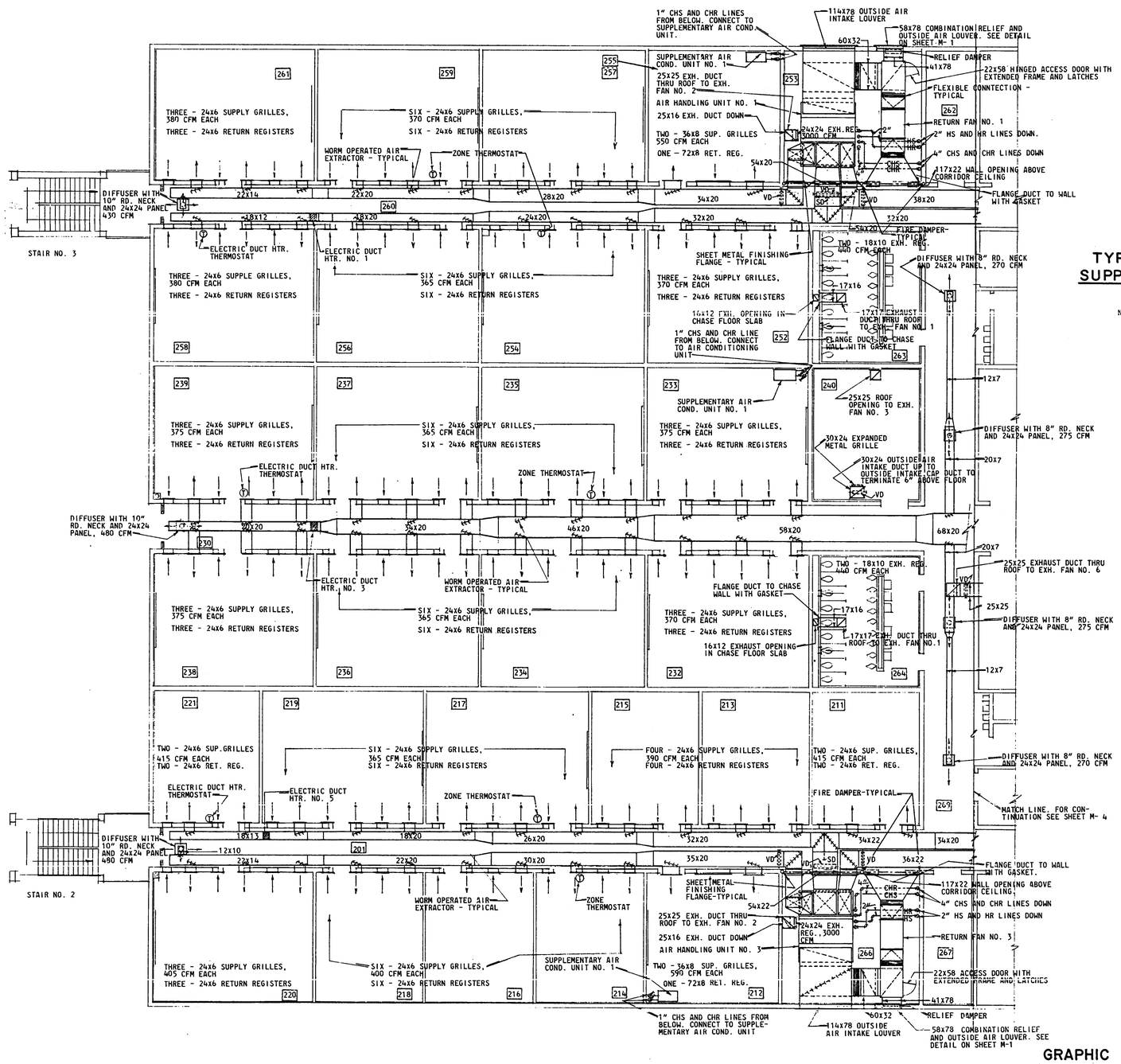
DRAWING NUMBER

DRAWING NUMBER 34/59

P/O

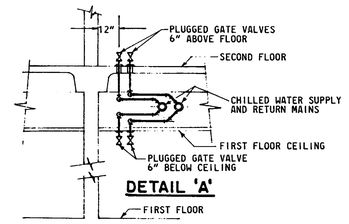
BTL-6027 69021

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



SECOND FLOOR PLAN-PART "A"

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



DETAIL 'A'

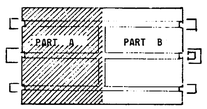
TYPICAL PIPING ROUGH-IN FOR SUPPLEMENTARY AIR COND. UNITS

SCALE: 3/8"=1'-0"

NOTES:
1. DETAIL "B" AND "C" TO BE SIMILAR TO THE ABOVE EXCEPT DETAIL "B" TO BE FOR UNITS ON FIRST FLOOR ONLY AND DETAIL "C" TO BE FOR UNITS ON SECOND FLOOR ONLY.
2. PROVIDE CONTROL AIR SERVICE LINE WITH QUICK DISCONNECT FITTING AT EACH ROUGHING-IN FOR SUPPLEMENTARY AIR CONDITIONING UNITS.

MECHANICAL LEGEND

CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
C	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
HS	HOT WATER HEATING SUPPLY
HR	HOT WATER HEATING RETURN
D	DRAIN
OR	GATE VALVE
OR	GLOBE VALVE
OR	BALANCING VALVE
	CHECK VALVE
	3 WAY MIXING VALVE
	PRESSURE REDUCING VALVE
	SAFETY OR RELIEF VALVE
	MOTORIZED DIAPHRAM VALVE
	SOLENOID VALVE
	STRAINER
	UNION
	PRESSURE GAGE
	THERMOMETER
	GAGE COCK
	THERMOMETER WELL
SD	SPLITTER DAMPER
VD	VOLUME DAMPER



KEY PLAN

RECORD DRAWING
DATE 1-29-69

SHEET REF. NO.
M-3

GRAPHIC SCALES

1/8" = 1'-0"

3/8" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT	BUREAU OF YARDS & DOCKS NEW ORLEANS 40, LA.
DES JHB / DR AK / CHK JHB	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66 AIR CONDITIONING PLAN SECOND FLOOR PART 'A'	
SUPV JHB / CH ENGR		
SUBMITTED BY / DATE		
FIRM MEMBER (TITLE) / DATE		
DPWO / RVD. MGR. / DIR.		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F / Y & D DRAWING No. 1109327
OFFICER IN CHARGE		
APPROVED FOR BUDOCKS / DATE		
DPWO FOR CHIEF OF BUREAU	SCALE AS NOTED	SPEC 75838/66 NBy 73838 / SHEET 35 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER

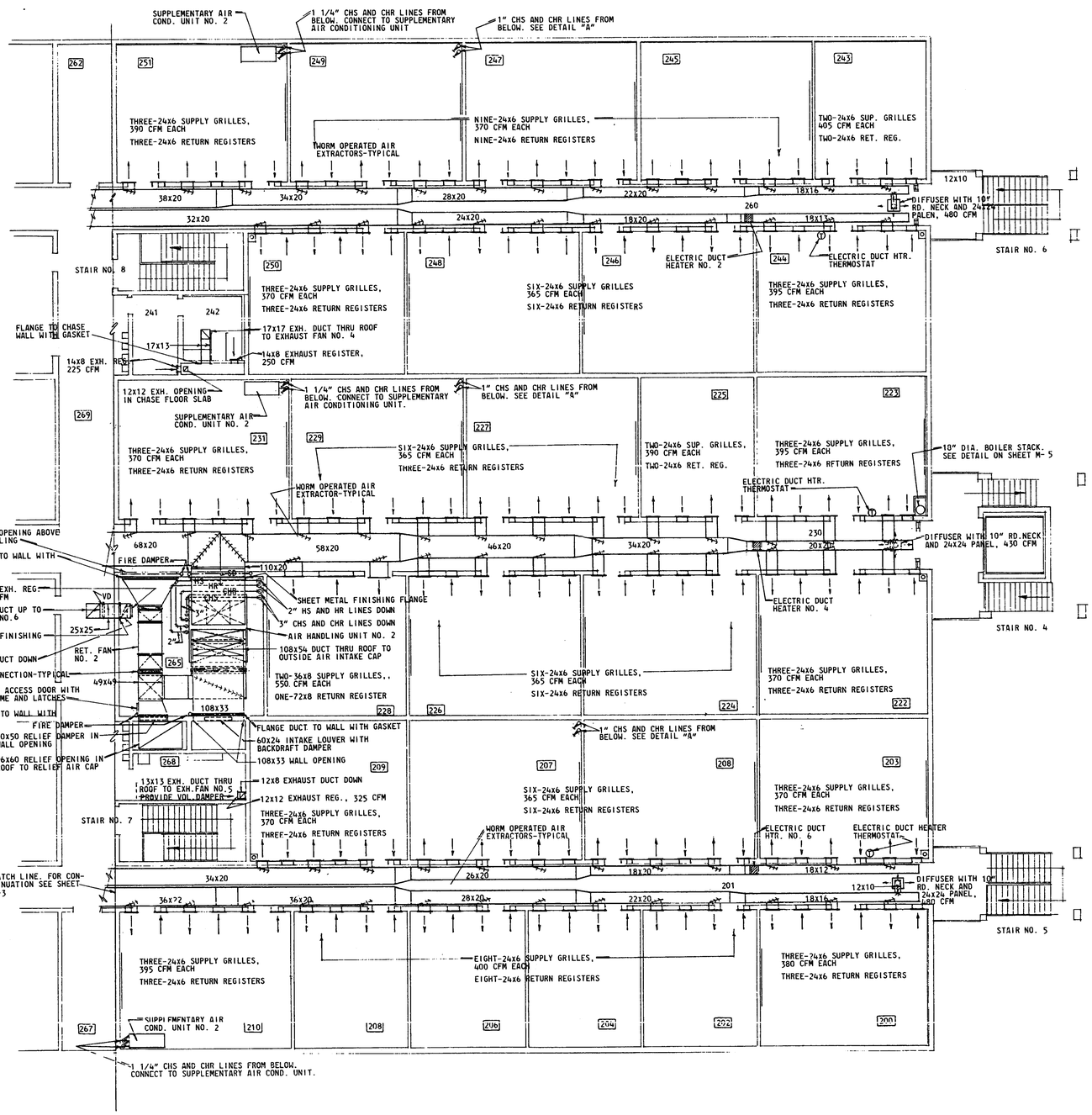
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

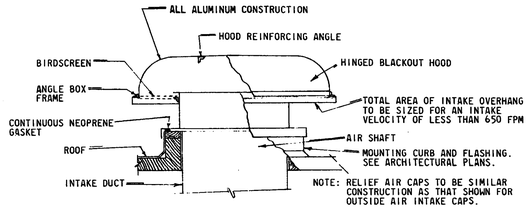
35/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



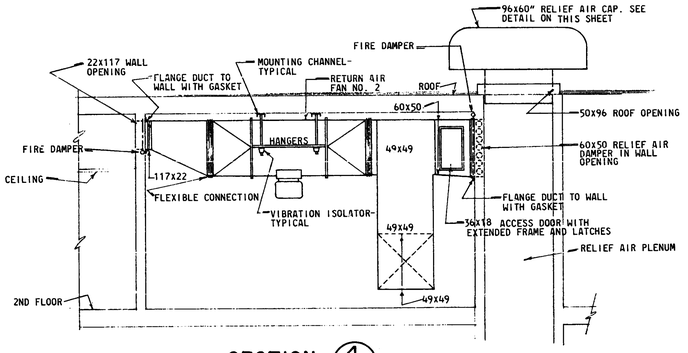
SECOND FLOOR PLAN- PART "B"

SCALE: 1/8" = 1'0"



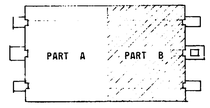
OUTSIDE AIR INTAKE CAP (DETAIL)

NOT TO SCALE



SECTION 4/46

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



KEY PLAN

RECORD DRAWING
DATE 1-29-69

SHEET REF. NO. M-40

GRAPHIC SCALES

1' 0 5' 10' 15' 20' 25'
1/8"=1'0"
1' 0 2' 4' 6' 8' 10' 12'
1/4"=1'0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.		
DES DGT DR AK CHK JHB SUPV JHB CH ENGR SUBMITTED BY: DATE FIRM MEMBER (TITLE) OWNER 1-7-66 DPWO RVD MGR DIR	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW. TRAINING GENERAL (DFRP) FACILITY FY-66 AIR CONDITIONING PLAN SECOND FLOOR PART 'B'		
APPROVED FOR CHIEF OF BUREAU DATE OFFICER IN CHARGE APPROVED FOR BUDOCKS DATE DPWO FOR CHIEF OF BUREAU	CODE IDENT No. 80091	SIZE F	Y & D DRAWING No. 1109328
	SCALE AS NOTED	SPEC 75838/66 NBy 75838	SHEET 36 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER

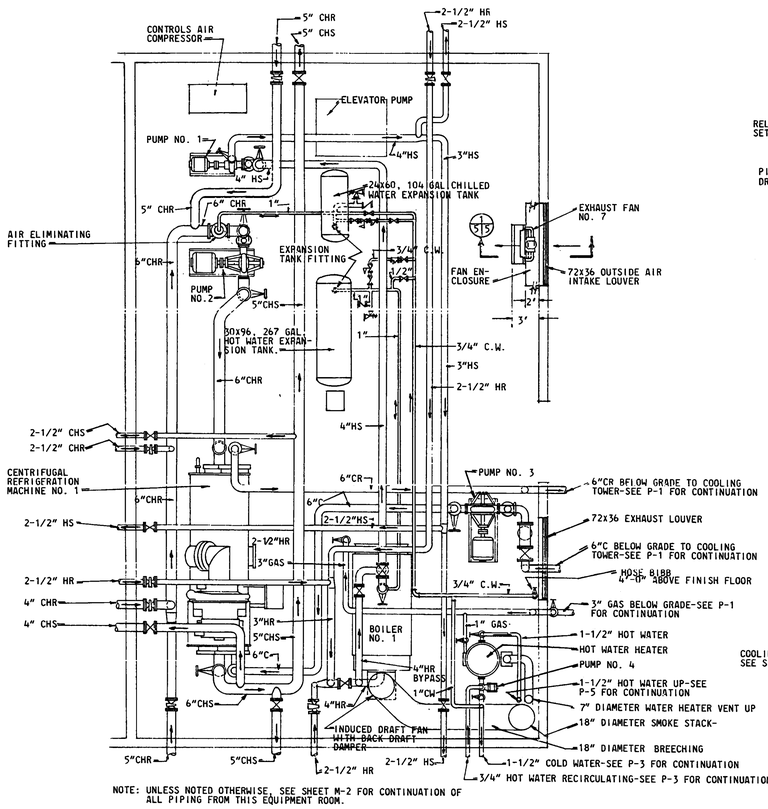
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

36/59

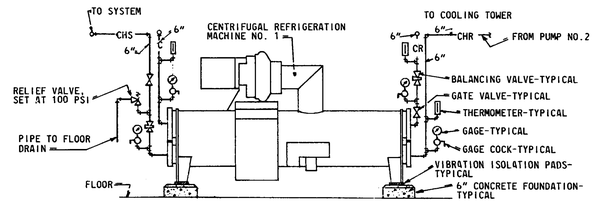
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



NOTE: UNLESS NOTED OTHERWISE, SEE SHEET M-2 FOR CONTINUATION OF ALL PIPING FROM THIS EQUIPMENT ROOM.

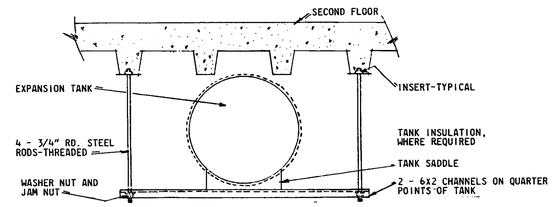
MECHANICAL EQUIPMENT ROOM NO. 123

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



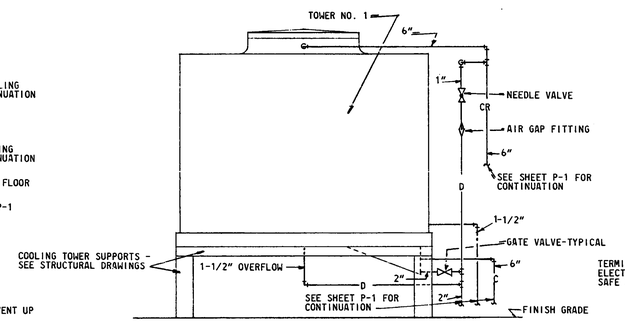
CHILLER PIPING CONNECTIONS

NOT TO SCALE



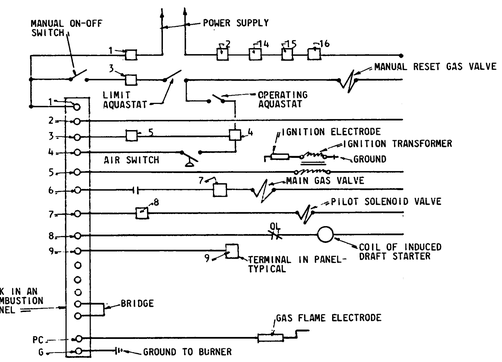
EXPANSION TANK DETAIL

NOT TO SCALE



TOWER PIPING CONNECTION

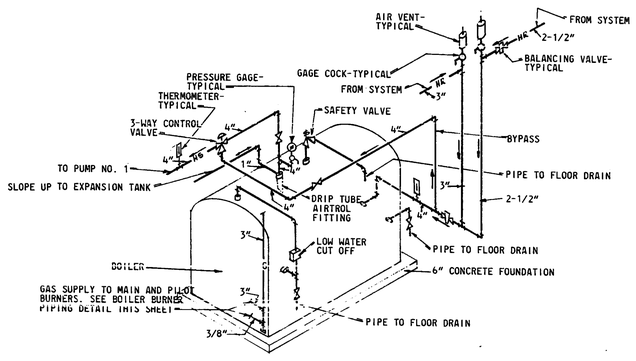
NOT TO SCALE



WIRING DIAGRAM FOR BOILER SAFEGUARD CONTROL SYSTEM

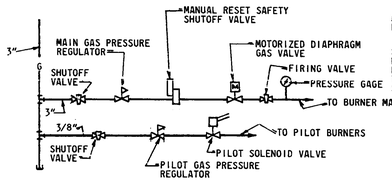
SEQUENCE OF CONTROL:

1. ON CALL FOR HEAT, INDUCED DRAFT MOTOR TO RUN FOR THE PRE-PURGE PERIOD.
2. AT END OF THE PRE-PURGE, THE IGNITION TRANSFORMER IS ENERGIZED AND THE GAS PILOT VALVE IS OPENED. WHEN THE PILOT FLAME IS IGNITED AND PROVED, THE MAIN GAS VALVE IS OPENED. AT THE END OF THE TRIAL-FOR-MAIN-BURNER-IGNITION PERIOD, THE IGNITION TRANSFORMER IS DE-ENERGIZED AND THE INTERRUPTED GAS PILOT VALVE IS CLOSED.
3. IF THE MAIN FLAME FAILS TO IGNITE DURING THE TRIAL-FOR-MAIN-BURNER-IGNITION PERIOD, THE MAIN GAS VALVE IS CLOSED.
4. IF THE MAIN FLAME FAILS DURING A RUNNING CYCLE, THE MAIN GAS VALVE IS CLOSED IN 2 TO 4 SECONDS.
5. IN BOTH CASES OF MAIN FLAME FAILURE, THE BURNER MOTOR CONTINUES TO RUN FOR THE DURATION OF THE SAFETY SWITCH TIMING PLUS 15 SECONDS (POST-PURGE PERIOD).
6. AT THE END OF THE CALL FOR HEAT, THE FUEL VALVE IS CLOSED AND THE BURNER MOTOR CONTINUES TO RUN FOR A 15-SECOND POST-PURGE PERIOD.
7. ON A POWER FAILURE, MANUAL RESET GAS VALVE SHALL CLOSE. ON RESTORATION OF POWER, NO FLAME WILL BE ESTABLISHED ON THE MAIN BURNER UNTIL THIS GAS VALVE IS RESET.



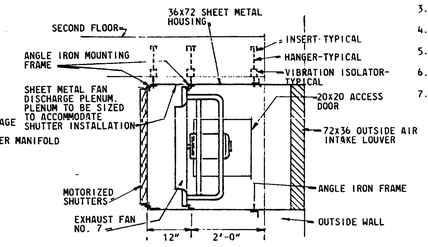
BOILER PIPING CONNECTION DETAIL

NOT TO SCALE



BOILER BURNER PIPING CONNECTION DETAIL

NOT TO SCALE



SECTION

NOT TO SCALE

5/5

RECORD DRAWING
DATE 1-29-69

SHEET REF. NO.
M-5

GRAPHIC SCALE

1'0 2" 4' 6' 8' 10' 12'

1/4" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT	BUREAU OF YARDS & DOCKS NEW ORLEANS 40, LA.
DES. JWB / DR. D.T. / CHK. JWB	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66 EQUIPMENT ROOM NO. 123 PLAN AND DETAILS	
SUPV. JWB / CH. ENGR.		
SUBMITTED BY / DATE		
FIRM MEMBER (TITLE) OWNER		
DPWO / AVO. / MGR. / DIR.		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F / Y & D DRAWING No. 1109329
OFFICER IN CHARGE		
APPROVED FOR BUDOCKS / DATE		
DPWO FOR CHIEF OF BUREAU	SCALE AS NOTED	SPEC 75838/66 NPV 75838 / SHEET 37 OF 59

P/O

BIL-6927 6902-1

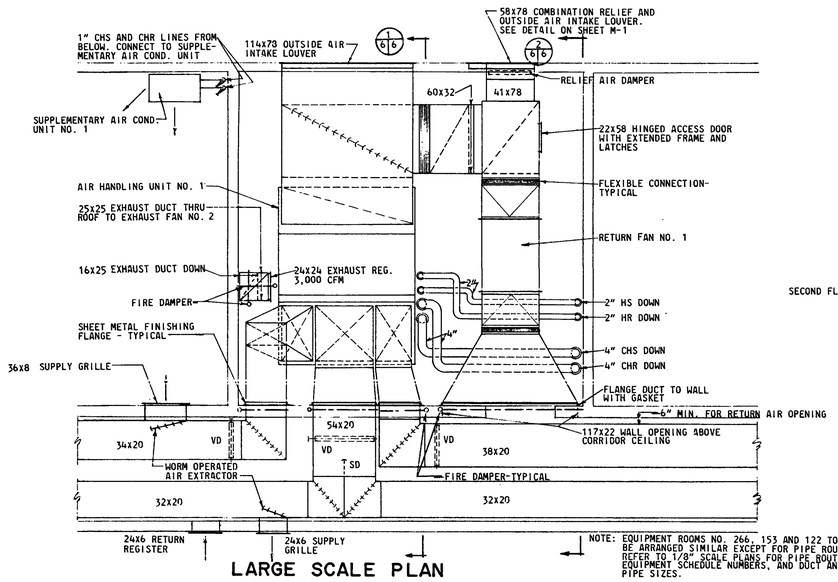
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER 37/59

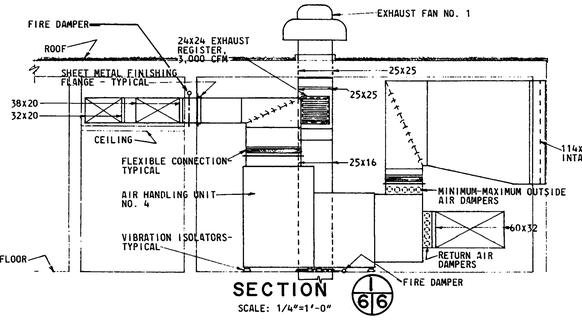
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



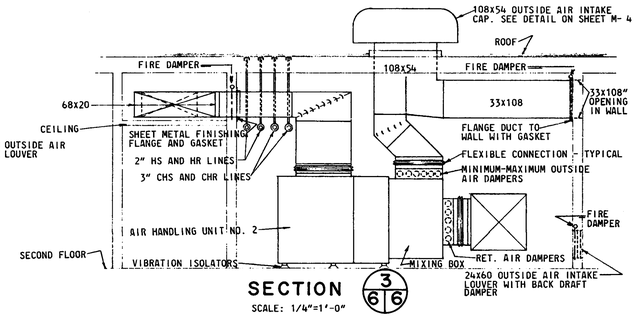
NOTE: EQUIPMENT ROOMS NO. 266, 153 AND 122 TO BE ARRANGED SIMILAR EXCEPT FOR PIPE ROUTING. REFER TO 1/8" SCALE PLANS FOR PIPE ROUTING, EQUIPMENT SCHEDULE NUMBERS, AND DUCT AND PIPE SIZES.

LARGE SCALE PLAN
AIR HANDLING EQUIPMENT ROOM NO. 253

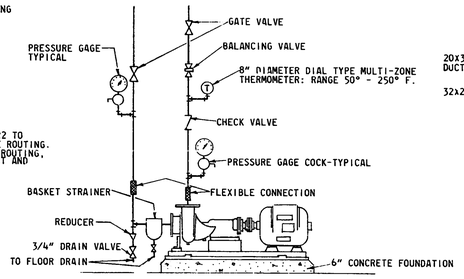
SCALE: 1/4" = 1'-0"



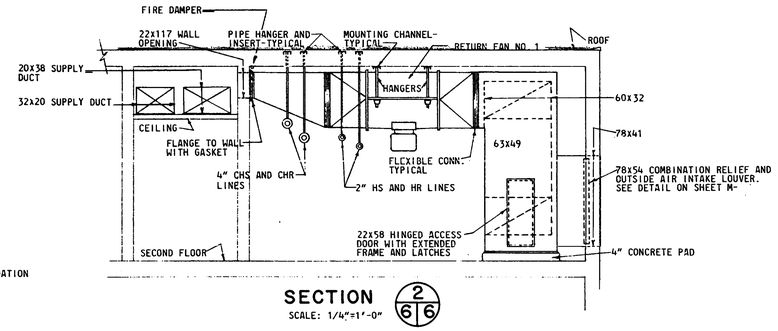
SECTION 1/6 6
SCALE: 1/4"=1'-0"



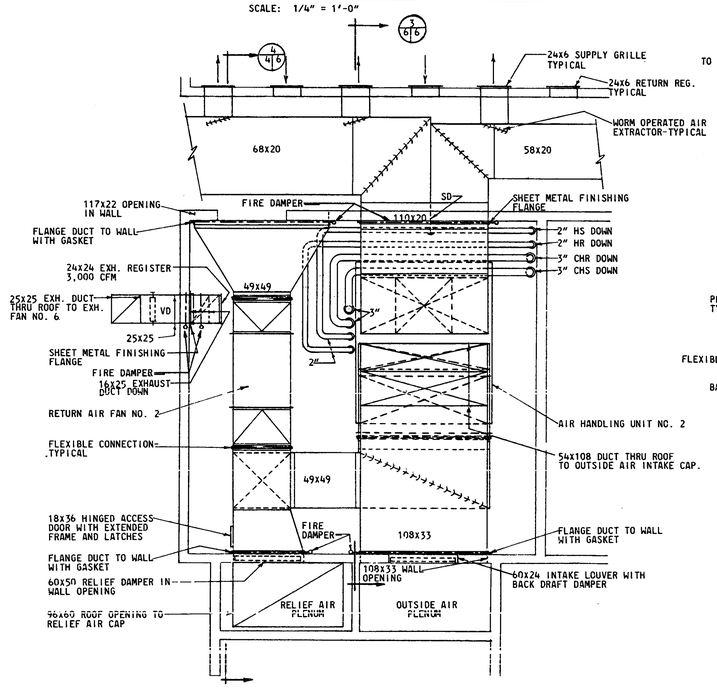
SECTION 3/6 6
SCALE: 1/4"=1'-0"



DETAIL PUMP NO. 1 PIPING CONNECTIONS
NOT TO SCALE

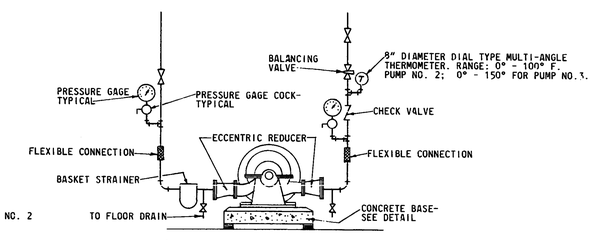


SECTION 2/6 6
SCALE: 1/4"=1'-0"

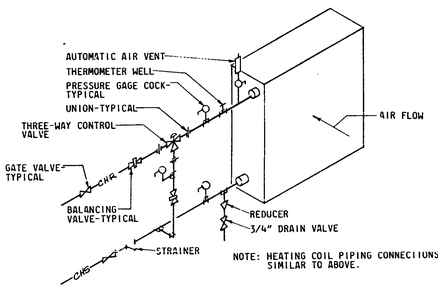


LARGE SCALE PLAN
AIR HANDLING EQUIPMENT ROOM NO. 265

SCALE 1/4" = 1'-0"

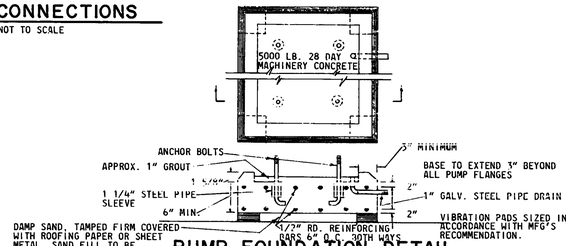


DETAIL PUMPS NO.2&3 PIPING CONNECTIONS
NOT TO SCALE



NOTE: HEATING COIL PIPING CONNECTIONS SIMILAR TO ABOVE.

TYPICAL COOLING COIL PIPING CONNECTIONS
NOT TO SCALE



PUMP FOUNDATION DETAIL
NOT TO SCALE

RECORD DRAWING
DATE 1-29-69

SHEET REF. NO.
M-5

GRAPHIC SCALE
1' 0 2' 4' 6' 8' 10' 12'
1/4" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT	BUREAU OF YARDS & DOCKS NEW ORLEANS 40, LA.	
DES JHB / DR AK / CHK JHB	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66 EQUIPMENT ROOMS NO. 253 & 265 PLANS AND DETAILS		
SUPV JHB / CH ENGR			
SUBMITTED BY / DATE			
FIRM MEMBER (TITLE)			
DPWO / RVD / MGR / DIR			
APPROVED / DATE	CODE IDENT No. 80091	SIZE F	Y & D DRAWING No. 1109330
OFFICER IN CHARGE			
APPROVED FOR BUDOCKS / DATE			
DPWO FOR CHIEF OF BUREAU	SCALE AS NOTED	SPEC 75838/66Wy 75838	SHEET 38 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER 38/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED

SUPPLEMENTARY AIR CONDITIONING UNIT SCHEDULE

NO.	SERVES	TYPE	FAN			COOLING COIL								FILTER		REMARKS
			TOTAL CFM	MAX. OUTLET VEL. FPM	MAX. H.P.	ENT. AIR DBT	ENT. AIR WBT	LEAV. AIR DBT	LEAV. AIR WBT	TOTAL COOLING BTU/HR.	ENT. WATER TEMP.	WATER TEMP. RISE	MAX. P.D. FT. WATER	MAX. FACE VEL. FPM	TYPE	MAX. FACE VEL.-FPM	
1	ROOMS NO. 212, 233, 255	VERTICAL	2,060	1,420	3/4HP,115V,1PH.	80°	66.7°	62.5°	60.7°	40,800	45°	10°	5.0	500	PERMANENT	340	UNIT TO BE FURNISHED WITH: DISCHARGE PLENUM WITH DISCHARGE REGISTERS ON FRONT AND ONE SIDE: 115V, 20 AMP, 3 WIRE CAP AND CORD.
2	ROOMS NO. 210, 231, 251	VERTICAL	4,780	1,000	2HP,208V,3PH.	80°	66.7°	62.5°	60.7°	94,600	45°	10°	5.0	500	PERMANENT	340	UNIT TO BE FURNISHED WITH: DISCHARGE PLENUM WITH DISCHARGE REGISTERS ON FRONT AND ONE SIDE: 208V, 30AMP, 3 WIRE CAP AND CORD.

AIR HANDLING UNIT SCHEDULE

NO.	SERVES	TYPE	FAN				COOLING COIL									HEATING COIL							FILTER		REMARKS
			TOTAL CFM	EXT.S.P. IN. WATER	MAX.O.V. FPM	MAX. H.P.	ENT. AIR DBT	ENT. AIR WBT	LEAV. AIR DBT	LEAV. AIR WBT	TOTAL COOLING BTU/HR.	ENT. WATER TEMP.	WATER TEMP. RISE	MAX. P.D. FT. WATER	COIL CFM	MAX. FACE VEL.- FPM	COIL CFM	MAX. FACE VEL. -FPM	ENT.AIR DBT	TOTAL HEAT. BTU/HR.	ENT. WATER TEMP.	WATER TEMP. DROP	MAX. P.D. FT.WATER	TYPE	MAX. FACE VEL.- FPM	
1	NORTHWEST SECTION - SECOND FLOOR	MULTI-ZONE	19,585	0.95	1,460	10HP,480V,3 PH.	83.5°	69.2°	59.6°	57.8°	741,600	45°	10°	12.0	19,550	500	13,080	650	59.6°	317,900	200°	20°	5.0	PERMANENT	500	SUMMER MINIMUM O.A. = 2,550 CFM WINTER MINIMUM O.A. = 5,340 CFM
2	CENTER SECTION - SECOND FLOOR	SINGLE ZONE	20,485	0.95	1,340	10HP,480V,3 PH.	83.4°	69.2°	59.6°	57.8°	777,100	45°	10°	12.0	20,485	500	20,485	500	59.6°	342,300	200°	20°	5.0	PERMANENT	500	SUMMER MINIMUM O.A. = 2,550 CFM WINTER MINIMUM O.A. = 5,620 CFM
3	SOUTHEAST SECTION - SECOND FLOOR	MULTI-ZONE	21,100	0.90	1,460	10HP,480V,3 PH.	83.3°	69.1°	59.6°	57.8°	791,900	45°	10°	12.0	21,100	500	13,760	650	59.6°	334,400	200°	20°	5.0	PERMANENT	500	SUMMER MINIMUM O.A. = 3,150 CFM WINTER MINIMUM O.A. = 5,730 CFM
4	NORTHWEST SECTION - FIRST FLOOR	MULTI-ZONE	17,800	1.00	1,460	7-1/2HP,480V, 3 PHASE	83.8°	69.3°	59.6°	57.8°	641,500	45°	10°	12.0	16,750	500	11,000	650	59.6°	267,300	200°	20°	5.0	PERMANENT	500	SUMMER MINIMUM O.A. = 2,400 CFM WINTER MINIMUM O.A. = 5,400 CFM
5	CENTER SECTION - FIRST FLOOR	SINGLE ZONE	18,060	1.10	1,340	7-1/2HP,480V, 3 PHASE	83.7°	69.3°	59.6°	57.8°	691,000	45°	10°	12.0	18,060	500	18,060	500	59.6°	262,600	200°	20°	5.0	PERMANENT	500	SUMMER MINIMUM O.A. = 2,680 CFM WINTER MINIMUM O.A. = 5,040 CFM
6	SOUTHEAST SECTION - FIRST FLOOR	MULTI-ZONE	19,750	0.95	1,460	10HP,480V,3 PH.	83.8°	69.6°	59.6°	57.8°	729,300	45°	10°	12.0	18,500	500	10,450	650	59.6°	288,000	200°	20°	5.0	PERMANENT	500	SUMMER MINIMUM O.A. = 3,150 CFM WINTER MINIMUM O.A. = 5,400 CFM

RETURN AIR FAN SCHEDULE

NO.	SERVES	TYPE	CFM	TOTAL S.P. IN.WATER	MIN. WHEEL DIA. -INCHES	MAX. O.V. FPM	MAX. H.P.	REMARKS
1	NORTHWEST SECTION - SECOND FLOOR	TUBULAR CENTRIFUGAL	17,035	1.25	33	1,740	7-1/2HP,480V,3 PHASE	
2	CENTER SECTION - SECOND FLOOR	TUBULAR CENTRIFUGAL	17,935	0.70	33	1,740	7-1/2HP,480V,3 PHASE	
3	SOUTHEAST SECTION - SECOND FLOOR	TUBULAR CENTRIFUGAL	17,950	1.30	33	1,740	10HP,480V,3 PHASE	
4	NORTHWEST SECTION - FIRST FLOOR	TUBULAR CENTRIFUGAL	15,400	1.00	30	1,740	7-1/2HP,480V,3 PHASE	
5	CENTER SECTION - FIRST FLOOR	TUBULAR CENTRIFUGAL	15,580	0.70	30	1,740	7-1/2HP,480V,3 PHASE	
6	SOUTHEAST SECTION - FIRST FLOOR	TUBULAR CENTRIFUGAL	16,600	1.20	33	1,740	7-1/2HP,480V,3 PHASE	

PUMP SCHEDULE

NO.	SERVES	TYPE	CAPACITY GPM	HEAD FEET	MIN. EFFICIENCY PERCENT	MAX. H.P.	REMARKS
1	HEATING SYSTEM	END SUCTION-CENTRIFUGAL	185	75	70	7-1/2HP,480V, 3 PHASE	
2	CHILLED WATER SYSTEM	HORIZONTAL SPLIT CASE - CENTRIFUGAL	1,020	115	80	50HP, 480V, 3 PHASE	
3	CONDENSER WATER SYSTEM	HORIZONTAL SPLIT CASE - CENTRIFUGAL	1,000	85	79	40HP, 480V, 3 PHASE	
4	DOMESTIC H.W. RECIRCU-LATION SYSTEM	IN-LINE CENTRIFUGAL	4	7	-	1/15HP, 120V, 1 PHASE	CIRCULATOR TO BE FURNISHED WITH AUTOMATIC WATER TEMPERATURE CONTROL.

BOILER SCHEDULE

NO.	SERVES	TYPE	DESIGN PRESSURE	GROSS SBI CAPACITY (OUTPUT - BTU/HR.)	FUEL	REMARKS
1	HEATING SYSTEM	FIRE BOX	30 PSI	2,520,000	NATURAL GAS	PROVIDE 1/3HP, 120V, 1 PHASE DRAFT INDUCER WITH VERTICAL DISCHARGE

SOUND TRAP SCHEDULE

NO.	TYPE	CFM	SIZE			MAX. P.D. IN. WATER	THIRD OCTAVE BAND NOISE REDUCTION - DB	REMARKS
			LENGTH	DIA.	DUCT CONN.			
1	CONICAL	1,980	36"	20"	12"	0.11"	16	
2	CONICAL	2,625	36"	22"	14"	0.10"	16	
3	RECTANGULAR	3,525	60"	--	24 x 39"	0.12"	25	
4	RECTANGULAR	975	60"	--	24 x 15"	0.05"	25	

CENTRIFUGAL REFRIGERATION MACHINE SCHEDULE

NO.	CAP. TONS	CHILLED WATER				CONDENSER WATER				MOTOR	REMARKS
		ENT. WATER TEMP. °F	LEAV.WATER TEMP. °F	GPM	MAX. P.D. FT. WATER	ENT. WATER TEMP. °F	LEAV.WATER TEMP. °F	GPM	MAX.P.D. FT. WATER		
1	334	54°F.	44°	805	16	87.5°	97.5°	970	20	MAX. INPUT 300 KW. 480V, 3 PHASE	

ELECTRIC DUCT HEATER SCHEDULE

NO.	AIR FLOW-CFM	SIZE INCHES	CAPACITY KILOWATTS	ELECTRICAL CHARACTERISTICS	NO. CIRCUITS	REMARKS
1	1,140	18 x 14	7.0	480V, 3 PHASE	2	
2	1,185	18 x 14	7.0	480V, 3 PHASE	2	
3	2,720	20 x 20	16.0	480V, 3 PHASE	3	
4	2,745	20 x 20	16.0	480V, 3 PHASE	3	
5	825	18 x 14	5.5	480V, 3 PHASE	2	
6	1,100	18 x 14	7.0	480V, 3 PHASE	2	
7	1,020	16 x 12	6.0	480V, 3 PHASE	2	
8	1,860	16 x 20	12.0	480V, 3 PHASE	3	
9	1,495	16 x 16	8.5	480V, 3 PHASE	2	
10	745	18 x 12	5.0	480V, 3 PHASE	2	
11	1,030	18 x 12	6.0	480V, 3 PHASE	2	

COOLING TOWER SCHEDULE

NO.	TYPE	DESIGN WBT °F	ENT. WATER TEMP. - °F	LEAVING WATER TEMP - °F	MIN. GPM	MAX. H.P.	REMARKS
1	INDUCED DRAFT	82	97.5	87.5	1,000	20HP, 480V, 3 PHASE	

EXHAUST FAN SCHEDULE

NO.	SERVES	TYPE	CAPACITY - CFM AT 70°F	STATIC PRESSURE INCHES WATER	MAX. TIP SPEED - FPM	MAX. H.P.	REMARKS
1	MEN'S TOILETS	CENTRIFUGAL - ROOF VENTILATOR	1,760	0.45"	4,400	1/4HP,120V,1 PH.	SEE NOTES 1 2
2	EQUIPMENT ROOMS NO. 122, 153, 253, AND 266	CENTRIFUGAL - ROOF VENTILATOR	6,000	0.87"	5,400	1-1/2HP,208V,3 PH.	SEE NOTES 1 2 3
3	ROOM NO. 240	CENTRIFUGAL - ROOF VENTILATOR	3,250	0.44"	3,800	1/2HP, 120V, 1 PH.	SEE NOTES 1 2 3
4	LADIES TOILETS	CENTRIFUGAL - ROOF VENTILATOR	950	0.45"	3,300	1/8HP, 120V, 1 PH.	SEE NOTES 1 2
5	JANITOR'S CLOSETS	CENTRIFUGAL - ROOF VENTILATOR	715	0.40"	3,300	1/12HP,120V, 1 PH.	SEE NOTES 1 2
6	EQUIPMENT ROOMS NO. 167 AND 265	CENTRIFUGAL - ROOF VENTILATOR	6,000	0.87"	5,400	1-1/2HP,208V,3 PH.	SEE NOTES 1 2 3
7	EQUIPMENT ROOM NO. 123	PROPELLER WALL FAN	5,500	0.39"	8,460	3/4HP, 208V, 3 PH.	SEE NOTES 1 3 4 5

NOTES: 1 SINGLE SPEED MOTOR: 2 PROVIDE GRAVITY SHUTTER, FAN MOUNTED DISCONNECT SWITCH AND BIRDSCREEN: 3 FAN OPERATION TO BE CONTROLLED: 4 PROVIDE MOTORIZED SHUTTERS.
5 THIS FAN TO SUPPLY AIR INTO BOILER ROOM

RECORD DRAWING
DATE 1-29-69

SHEET REF. NO.
M-7

R. W. NAEF & ASSOC.
ARCHITECTS & ENGINEERS

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

DES JHB | DR AK | CHK JHB
SUPV JHB | CH ENGR
SUBMITTED BY ____ DATE
FIRM MEMBER (TITLE) OWNER, L.T.Gd.
DPWO ____ RVD. ____
MCES ____ ORD ____
APPROVED ____ DATE
OFFICER IN CHARGE
APPROVED FOR BUDOCKS DATE
DPWO FOR CHIEF OF BUREAU

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW, TRAINING GENERAL (DFRP)
FACILITY FY-66
AIR CONDITIONING EQUIPMENT SCHEDULES

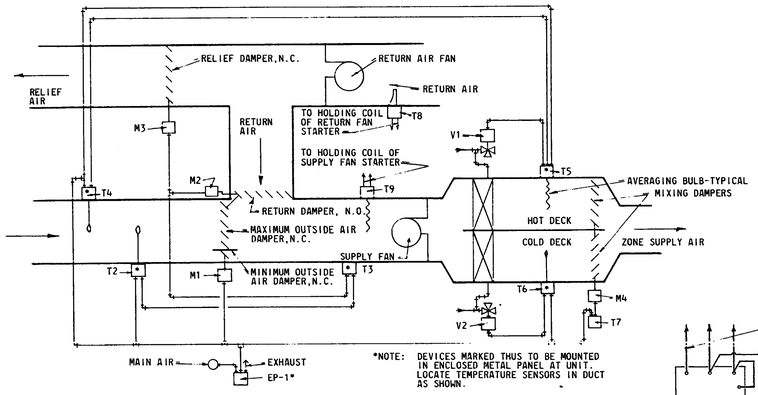
CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109331
SCALE AS NOTED	SPEC 75838/66 Nby 75838	SHEET 39 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER 39/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED

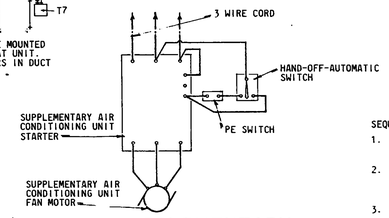


*NOTE: DEVICES MARKED THUS TO BE MOUNTED IN ENCLOSED METAL PANEL AT UNIT. LOCATE TEMPERATURE SENSORS IN DUCT AS SHOWN.

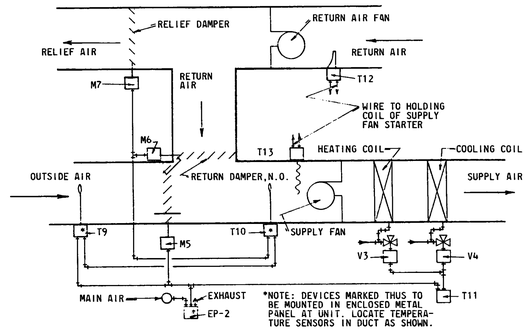
TYPICAL MULTI ZONE UNIT TEMPERATURE CONTROLS

SEQUENCE OF CONTROL:

1. SUPPLY FAN IS STARTED MANUALLY. WHEN THE FAN STARTS, THROUGH ELECTRICAL INTERLOCK, THE RETURN AIR FAN STARTS AND RELAY E.P.1 IS ENERGIZED, PASSING CONTROL AIR TO THE CONTROLS AND PLACING AIR ON MOTOR M1 TO OPEN MINIMUM OUTSIDE AIR DAMPER.
2. BELOW THE SETTING OF T2, AIR IS PASSED TO T3. T3 CONTROLS DAMPER MOTOR M2, ON THE MAXIMUM OUTSIDE AIR AND RETURN AIR DAMPER, AND MOTOR M3, ON THE EXHAUST AIR DAMPER, AS REQUIRED TO MAINTAIN MIXED AIR TEMPERATURE AT T3. ABOVE SETTING OF T2, DAMPERS GO TO NORMAL POSITIONS.
3. OUTSIDE AIR MASTER T4 RESETS CONTROL POINT OF SUBMASTER CONTROLLER T5. T5 POSITIONS VALVE V1, AS REQUIRED TO MAINTAIN SCHEDULED HOT DECK TEMPERATURES.
4. CONTROLLER T6 POSITIONS VALVE V2 TO MAINTAIN REQUIRED COLD DECK TEMPERATURES.
5. ZONE THERMOSTAT T7 CONTROLS DAMPER MOTOR M4, WHICH POSITIONS HOT AND COLD DECK ZONE DAMPERS TO MAINTAIN SPACE TEMPERATURE.
6. FIRESTAT T8, ON RISE IN TEMPERATURE, AND FREEZESTAT T9, ON DROP IN TEMPERATURE, STOPS SUPPLY FAN AND RETURN AIR FAN. T8 AND T9 TO HAVE MANUAL RESET FEATURE. CONTROLLER T5 TO HAVE AVERAGING BULB. FREEZESTAT T9 TO HAVE 20 FOOT ELEMENT, SENSITIVE IN ANY 1 FOOT LENGTH.



TYPICAL SUPPLEMENTARY UNIT CONTROL WIRING

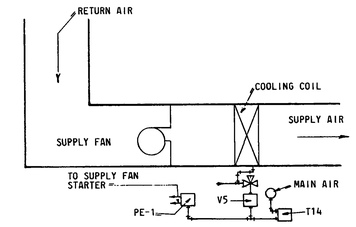


*NOTE: DEVICES MARKED THUS TO BE MOUNTED IN ENCLOSED METAL PANEL AT UNIT. LOCATE TEMPERATURE SENSORS IN DUCT AS SHOWN.

TYPICAL SINGLE ZONE UNIT TEMPERATURE CONTROLS

SEQUENCE OF CONTROL:

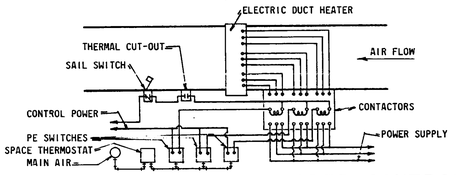
1. SUPPLY FAN IS STARTED MANUALLY. WHEN THE FAN STARTS, THROUGH ELECTRICAL INTERLOCK, THE RETURN AIR FAN STARTS AND RELAY E.P.2 IS ENERGIZED, PASSING CONTROL AIR TO THE CONTROLS AND PLACING AIR ON MOTOR M5 TO OPEN MINIMUM OUTSIDE AIR DAMPER.
2. BELOW THE SETTING OF T9, AIR IS PASSED TO T10. T10 CONTROLS DAMPER MOTOR M6, FOR MAXIMUM OUTSIDE AIR AND RETURN AIR DAMPER, AND MOTOR M7, FOR EXHAUST AIR DAMPER, AS REQUIRED TO MAINTAIN MIXED AIR TEMPERATURE AT T10. ABOVE SETTING OF T9, DAMPERS GO TO NORMAL POSITIONS.
3. SPACE THERMOSTAT MAINTAINS TEMPERATURE BY CONTROLLING MODULATING VALVES V3 AND V4 IN SEQUENCE: ON A RISE IN SPACE TEMPERATURE, THROUGH THROTTLING RANGE OF T11, VALVE V3 CLOSES THEN V4 OPENS: ON DROP IN TEMPERATURE, THE REVERSE SEQUENCE TAKES PLACE.
4. FIRESTAT T12, ON RISE IN TEMPERATURE, AND FREEZESTAT T13, ON DROP IN TEMPERATURE, STOPS SUPPLY FAN AND RETURN AIR FAN. T8 AND T9 TO HAVE MANUAL RESET FEATURE. CONTROLLER T13 TO HAVE AVERAGING BULB. FREEZESTAT T12 TO HAVE 20 FOOT ELEMENT, SENSITIVE IN ANY 1 FOOT LENGTH.



TYPICAL SUPPLEMENTARY UNIT TEMPERATURE CONTROLS

SEQUENCE OF CONTROL:

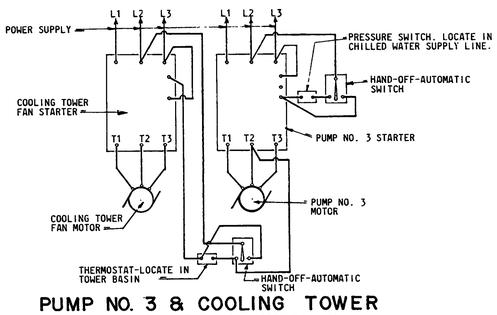
1. SPACE THERMOSTAT TO PROVIDE SUPPLEMENTARY COOLING AS REQUIRED. AS TEMPERATURE APPROACHES SETTING OF T14, SUPPLY FAN STARTS THROUGH ACTION OF RELAY P.E.-1. ON FURTHER RISE IN SPACE TEMPERATURE, VALVE V5 OPENS TO FLOW THROUGH COIL. ON DROP IN SPACE TEMPERATURE, REVERSE SEQUENCE TAKES PLACE. MOUNT THERMOSTAT ON UNIT EXTERIOR. PROVIDE QUICK DISCONNECT AT MAIN AIR LINE CONNECTION.



TYPICAL ELECTRIC DUCT HEATER CONTROLS

SEQUENCE OF CONTROL:

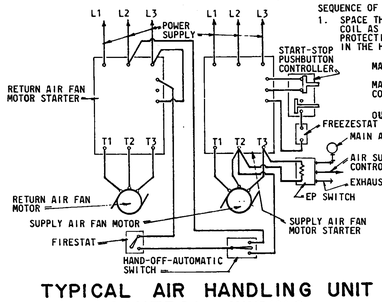
1. SPACE THERMOSTAT, BY ENERGIZING PE SWITCHES, SHALL CYCLE EACH CIRCUIT OF THE ELECTRIC HEATING COIL AS REQUIRED TO MAINTAIN TEMPERATURE. PROVIDE SAIL SWITCH AND HI-LIMIT FOR SAFETY PROTECTION. EACH HEATER CONTROL TO HAVE THE SAME NUMBER OF STEPS AS THE NUMBER OF CIRCUITS IN THE HEATER.



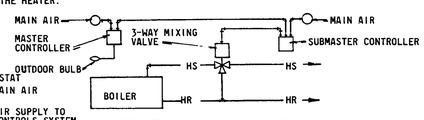
PUMP NO. 3 & COOLING TOWER FAN CONTROL WIRING

SEQUENCE OF CONTROL:

PUMP NO. 3 TO BE STARTED MANUALLY. INTERLOCK COOLING TOWER FAN THROUGH PRESSURE SWITCH ON CONDENSER WATER LINE. THERMOSTAT, WITH SENSING ELEMENT IN TOWER BASIN, SHALL CYCLE COOLING TOWER FAN "ON" AND "OFF" AS NECESSARY TO MAINTAIN REQUIRED CONDENSER WATER TEMPERATURE TO CHILLER



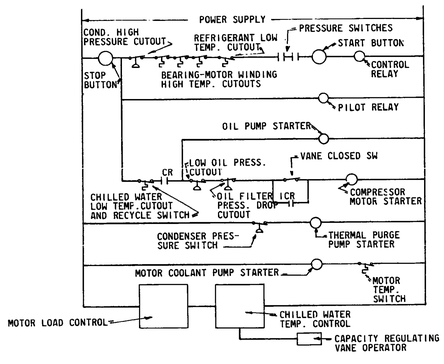
TYPICAL AIR HANDLING UNIT CONTROL WIRING



HEATING WATER TEMPERATURE CONTROLS

SEQUENCE OF CONTROL:

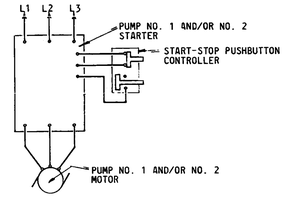
PROVIDE A MASTER OUTSIDE AIR CONTROLLER TO RESET THE CONTROL POINT OF A SUBMASTER CONTROLLER, WITH SENSING ELEMENT IN SYSTEM HOT WATER SUPPLY LINE. SUBMASTER TO POSITION A 3-WAY MIXING VALVE AS REQUIRED TO MAINTAIN SCHEDULED HOT WATER SUPPLY TEMPERATURE. MIXING VALVE TO MIX SYSTEM RETURN WATER AND HEATED WATER FROM BOILER AS REQUIRED.



CHILLER CONTROLS

SEQUENCE OF CONTROL:

CHILLER OPERATING AND SAFETY CONTROLS TO BE FURNISHED BY CHILLER MANUFACTURER. OPERATING CONTROLLER SHALL CAUSE CHILLER TO START AND SHALL OPERATE CAPACITY CONTROLS AS REQUIRED TO MAINTAIN CHILLED WATER TEMPERATURE. INTERLOCK CHILLER WITH CHILLED WATER LINE AND CONDENSER WATER LINE PRESSURE SWITCHES: WHEN PRESSURE SWITCHES IN CHILLED AND CONDENSER WATER LINES ARE CLOSED, INDICATING PUMPS ARE RUNNING, CHILLER OPERATING CONTROLS SHALL BE ENERGIZED.



PUMPS NO. 1 & 2 CONTROL WIRING

RECORD DRAWING
DATE 1-19-68

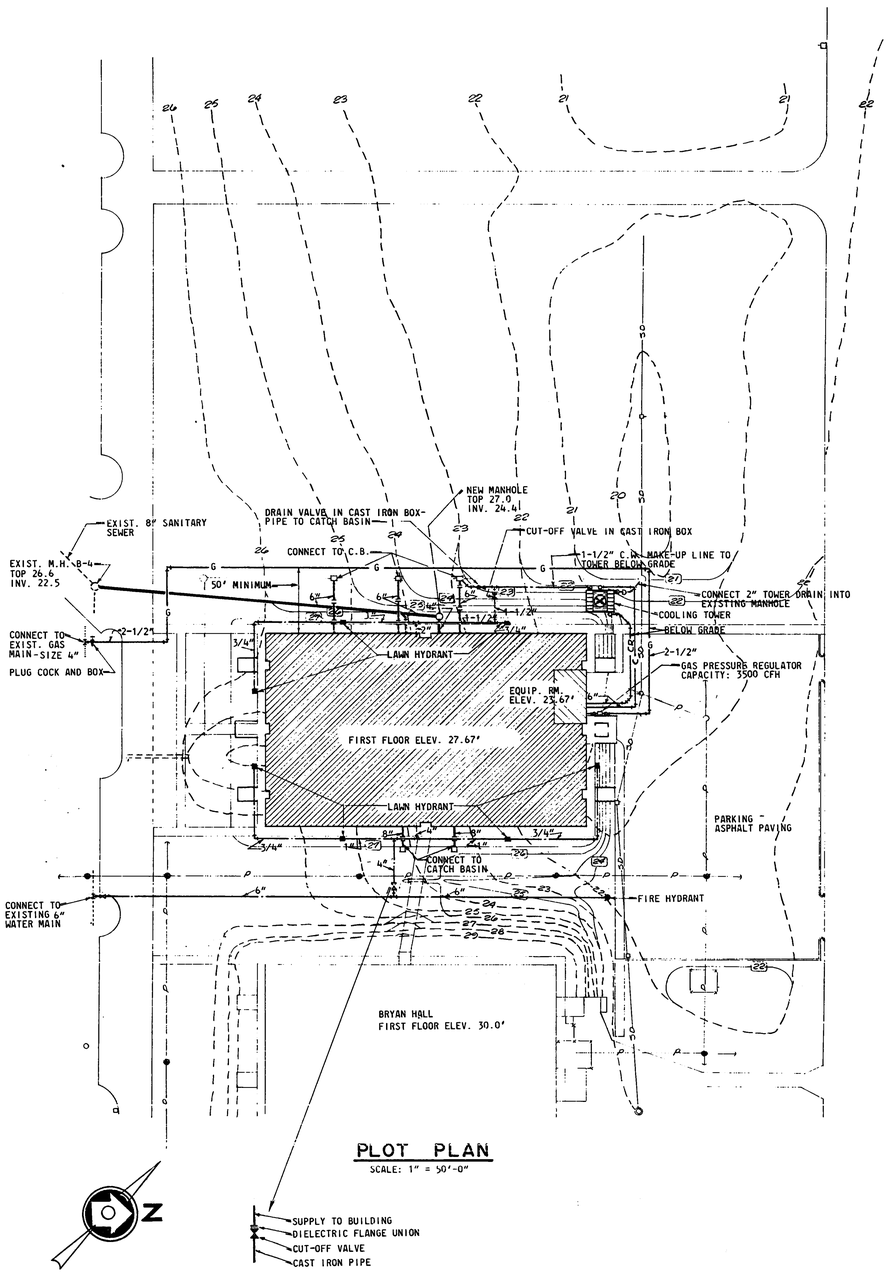
R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY	BUREAU OF YARDS & DOCKS
	GULF DIVISION NEW ORLEANS, LA. 70140	
DES JHB / DR DT / CHK JHB	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66 HEATING VENTILATING AND AIR CONDITIONING CONTROL SYSTEMS	
SUPV JHB / CH ENGR		
SUBMITTED BY / DATE		
FIRM MEMBER (TITLE) OWNER / 1-2-68		
DFWCS / REVD / DIR		
MORE / DIR		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F / Y & D DRAWING No. 1109332
OFFICER IN CHARGE		
APPROVED FOR BUDOCKS / DATE		
DIRECTOR FOR CHIEF OF BUREAU	SCALE NO SCALE	SPEC 75838 66 NDy 75838 / SHEET 40 OF 59

P/O

-027 6902-1

40/59

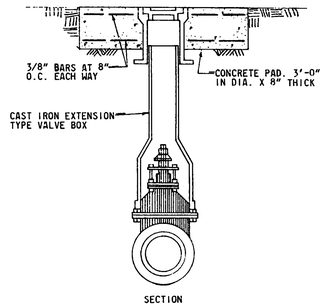
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



PLOT PLAN

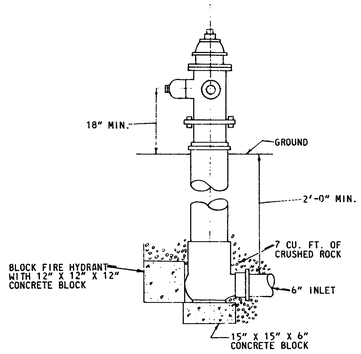
SCALE: 1" = 50'-0"

SUPPLY TO BUILDING
DIELECTRIC FLANGE UNION
CUT-OFF VALVE
CAST IRON PIPE



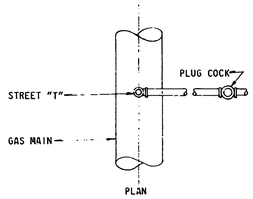
VALVE BOX DETAIL

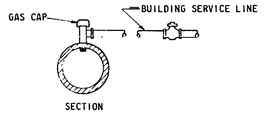
NOT TO SCALE



FIRE HYDRANT SETTING

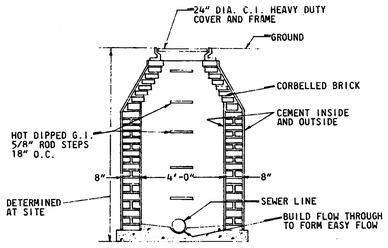
NOT TO SCALE





SERVICE INSTALLATION AT GAS MAIN

NOT TO SCALE



SECTION THRU MANHOLE

NOT TO SCALE

PLUMBING LEGEND

C.W.	COLD WATER
H.W.	HOT WATER
I.W.	INDIRECT WASTE
F.D.	FLOOR DRAIN
C.O.F.	CLEANOUT FLUSH WITH FLOOR OR GRADE
W.C.O.	CLEANOUT IN WALL
VTR	VENT THRU ROOF
W.H.	WATER HYDRANT
M.H.	MANHOLE
	SANITARY WASTE
	COLD WATER LINE
	HOT WATER LINE
	HOT WATER RETURN LINE
	PLUMBING VENT
	INDIRECT WASTE LINE SERVING FLOOR DRAINS
	ROOF DRAIN OR STORM DRAIN PIPING
	GATE VALVE
	BALANCING VALVE
	CHECK VALVE
	BACKWATER VALVE WITH EXTENSION HUB
	LAWN HYDRANT
	WALL HYDRANT

GRAPHIC SCALE

0 50' 100' 150'

1" = 50'-0"

RECORD DRAWING
DATE 1-29-70

SHEET REF. NO.
D. 1

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS

DES CM | DR CM | CHK TDL
SUPV TDL | CH ENGR
SUBMITTED BY / DATE
FIRM MEMBER (TITLE) OWNER
DPWO RVD.
MGR DIR.
APPROVED DATE
OFFICER IN CHARGE
APPROVED FOR BUDOCKS DATE
DPWO FOR CHIEF OF BUREAU

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW, TRAINING GENERAL (DFRP)
FACILITY FY-66

MECHANICAL PLOT PLAN

CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109333

SCALE AS NOTED | SPEC 75838/66 NBy 75838 | SHEET 41 OF 59

DRAWING NUMBER

DRAWING NUMBER

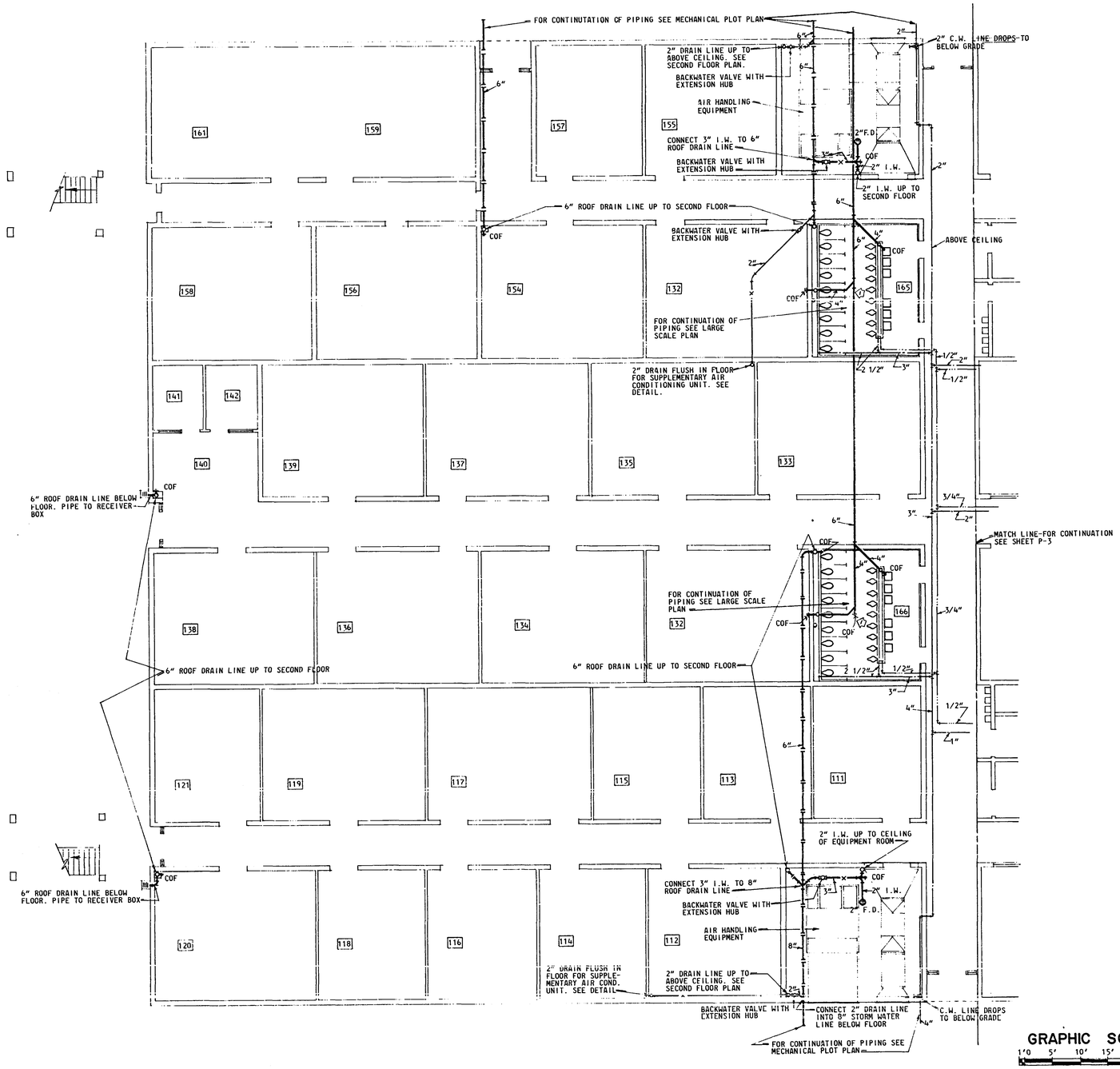
DRAWING NUMBER

DRAWING NUMBER 41/59

P/O

Bit-6027 6902-1

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		AS-BUILT	1/27/69	



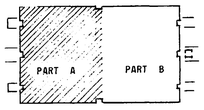
FIRST FLOOR PLAN PART "A"

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

GRAPHIC SCALE

1'0 5' 10' 15' 20' 25'

1/8" = 1'-0"



KEY PLAN

RECORD DRAWING
DATE 1-27-69

SHEET REF. NO. P-2

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT NEW ORLEANS 40, LA.
DES CM / DR CM / CHK TDL	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW. TRAINING GENERAL (DFRP) FACILITY FY-66
SUPV TDL / CH ENGR	PLUMBING PLAN FIRST FLOOR PART "A"
SUBMITTED BY / DATE	
FIRM MEMBER (TITLE) / DATE	
DPWO / RVD.	
MGR / DR.	
APPROVED / DATE	CODE IDENT No. 80091 / SIZE F / Y & D DRAWING No. 1109334
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	
DPWO FOR CHIEF OF BUREAU	SCALE AS NOTED / SPEC 75838/66Nby75838 / SHEET 42 OF 59

P/O

Bit-6027 6902-1

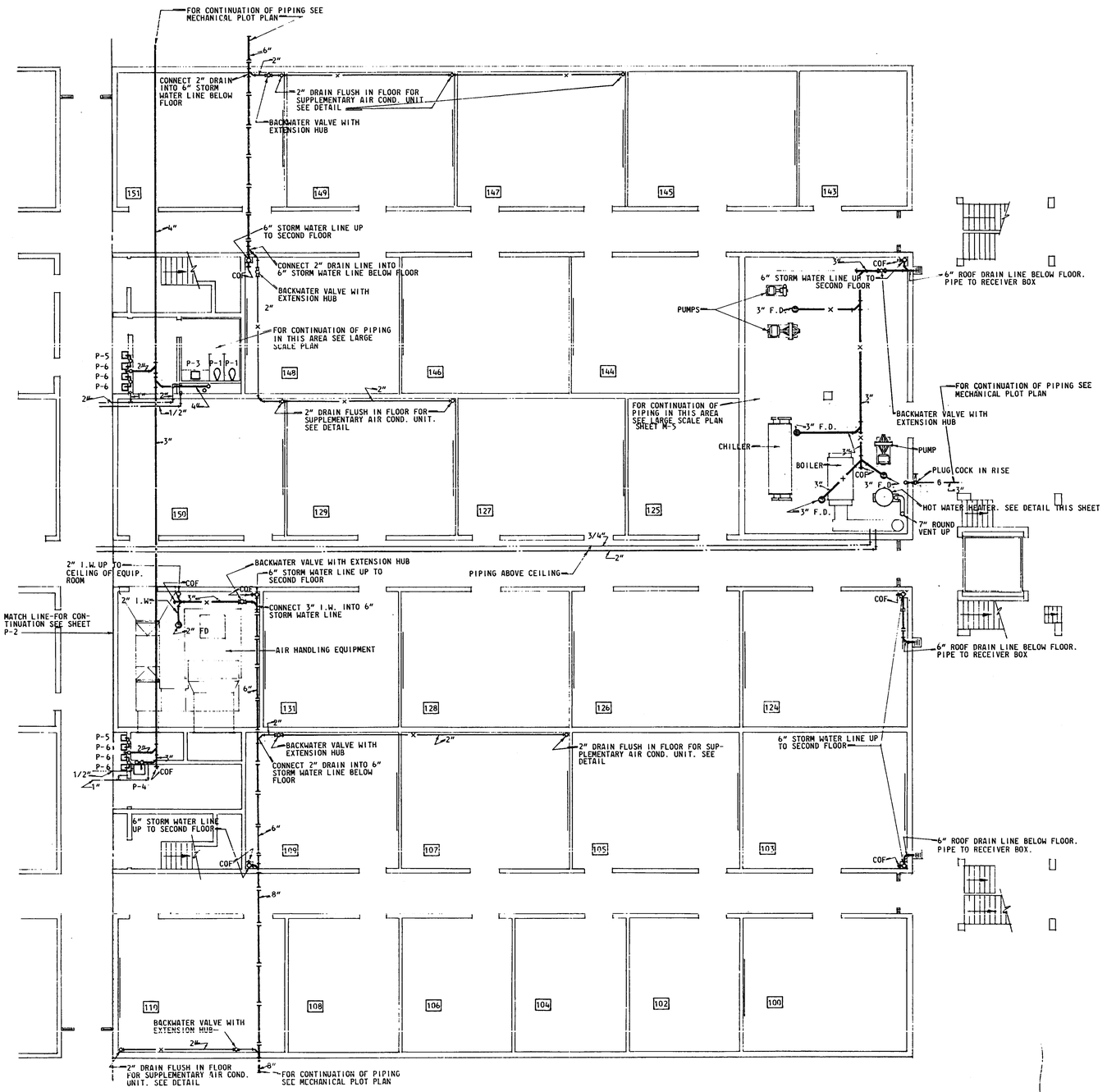
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER 42/59

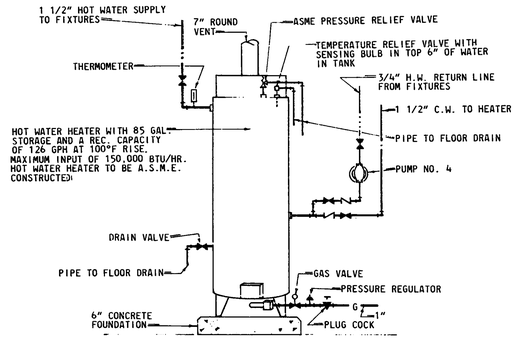
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



FIRST FLOOR PLAN PART "B"

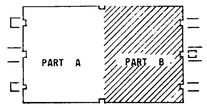
SCALE: 1/8" = 1'-0"

FIXTURE SCHEDULE				
ITEM	DESCRIPTION	WASTE	COLD WATER	HOT WATER
P-1	WATER CLOSET	4"	1"	
P-2	URINAL	2"	1"	
P-3	LAVATORY	1 1/2"	1/2"	1/2"
P-4	SERVICE SINK	3"	1/2"	1/2"
P-5	ELECTRIC WATER COOLER	1 1/4"	1/2"	
P-6	DRINKING FOUNTAIN	1 1/4"	1/2"	



HOT WATER HEATER— PIPING DETAIL

NOT TO SCALE



KEY PLAN

GRAPHIC SCALE

1'0 5' 10' 15' 20' 25'

1/8" = 1'-0"

RECORD DRAWING

DATE 1-29-69

SHEET REF NO. D.6 G.2

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

DES C M | DR CM | CHK TDL
SUPV TDL | CH ENGR
SUBMITTED BY DATE
FIRM MEMBER (TITLE) OWNER 1-7-66
DPWO RVD
MGR DIR
APPROVED DATE
OFFICER IN CHARGE
APPROVED FOR BUDOCKS DATE
DPWO FOR CHIEF OF BUREAU

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW, TRAINING GENERAL (DFRP)
FACILITY FY-66
PLUMBING PLAN
FIRST FLOOR PART "B"

CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109335

SCALE AS NOTED | SPEC 75838 66Nby75838 | SHEET 43 OF 59

DRAWING NUMBER

DRAWING NUMBER

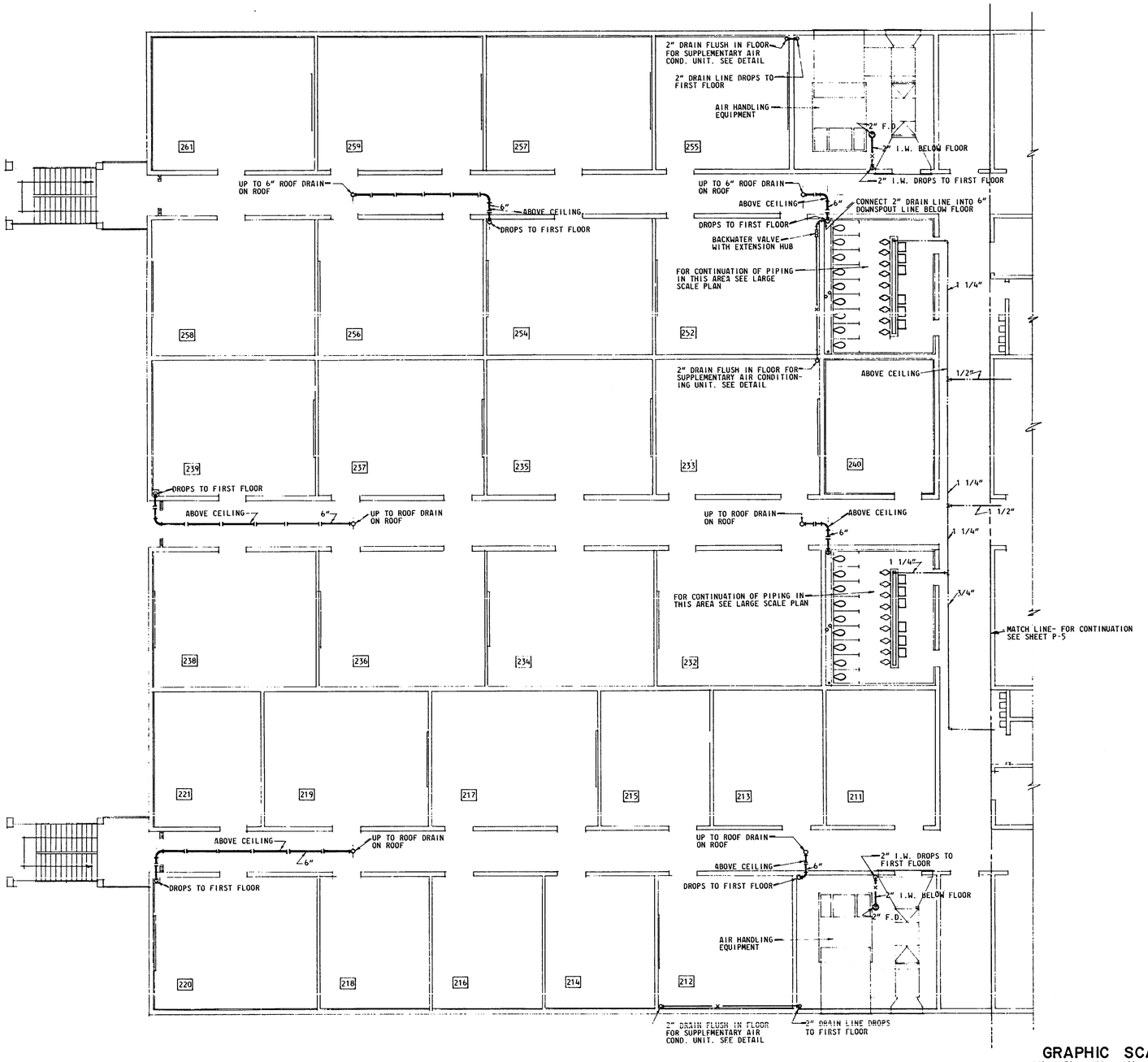
DRAWING NUMBER

DRAWING NUMBER 43/59

P/O

BIL-6027 6902-1

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



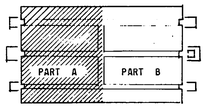
SECOND FLOOR PLAN PART "A"

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

GRAPHIC SCALE

1'0 5' 10' 15' 20' 25'

1/8" = 1'-0"



KEY PLAN

RECORD DRAWING
DATE 1-29-69

SHEET REF NO. P.4

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES CM / DR CM / CHK TDL	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW. TRAINING GENERAL (DFRP) FACILITY FY-66 PLUMBING PLAN SECOND FLOOR PART "A"
SUPV TDL / CH ENGR	
SUBMITTED BY / DATE	
FIRM MEMBER (TITLE) / DATE	
DPWO / RVD.	
DR	
APPROVED / DATE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109336
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	
DPWO FOR CHIEF OF BUREAU	SCALE AS NOTED — SPEC 75838/66 NBy 75838 — SHEET 44 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER

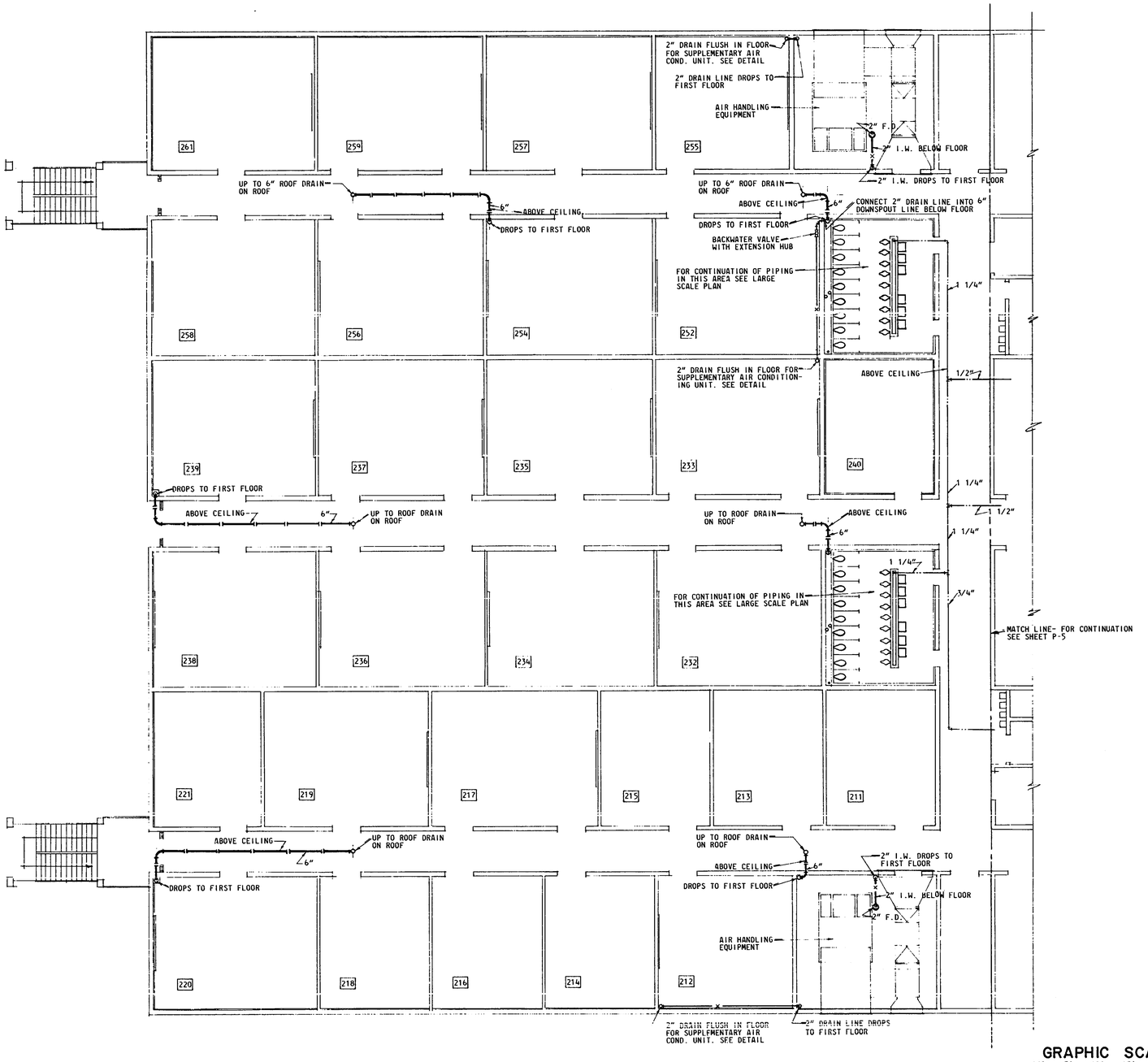
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

44/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



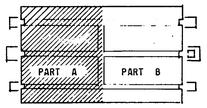
SECOND FLOOR PLAN PART "A"

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

GRAPHIC SCALE

1'0 5' 10' 15' 20' 25'

1/8" = 1'-0"



KEY PLAN

RECORD DRAWING
DATE 1-29-69

SHEET REF NO. P.4

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES CM / DR CM / CHK TDL	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW. TRAINING GENERAL (DFRP) FACILITY FY-66 PLUMBING PLAN SECOND FLOOR PART "A"
SUPV TDL / CH ENGR	
SUBMITTED BY / DATE	
FIRM MEMBER (TITLE) / DATE	
DPWO / RVD.	
DR	
APPROVED / DATE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109336
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	
DPWO FOR CHIEF OF BUREAU	SCALE AS NOTED — SPEC 75838/66 NBy 75838 — SHEET 44 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER

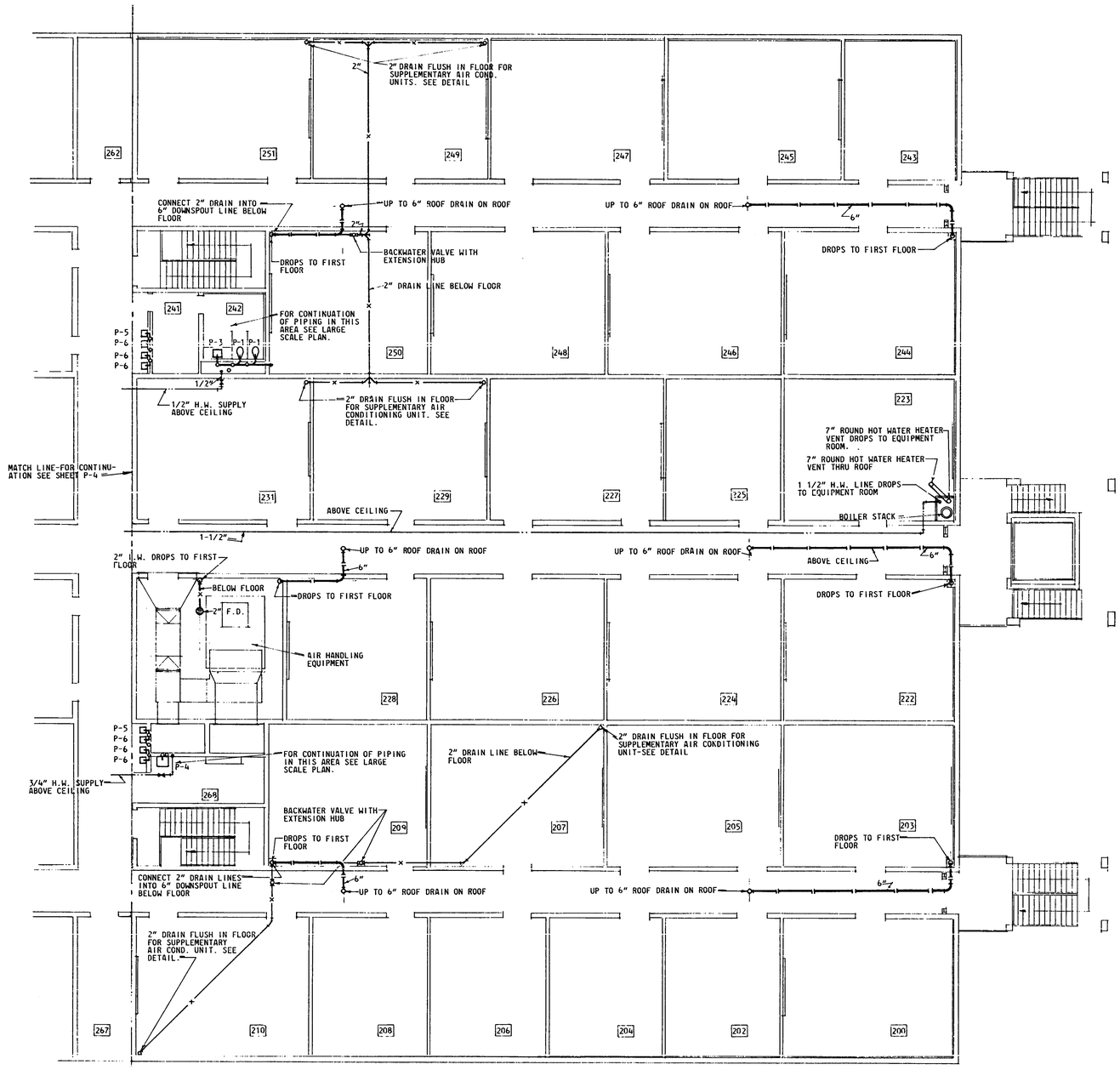
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

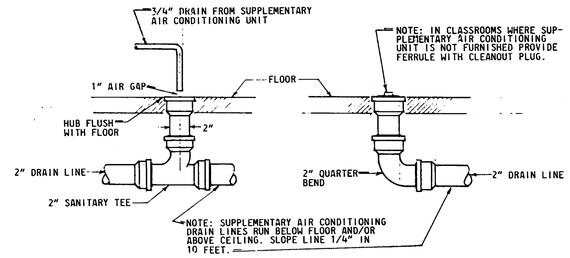
44/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



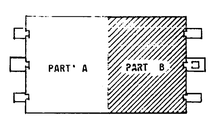
SECOND FLOOR PLAN PART "B"

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



SUPPLEMENTARY AIR CONDITIONING DRAIN INSTALLATION

NOT TO SCALE



KEY PLAN

RECORD DRAWING
DATE 1-29-69

SHEET REF. NO. P.5

GRAPHIC SCALE

1'0 5' 10' 15' 20' 25'

1/8" = 1'-0"

R. W. NAEF & ASSOC.
ARCHITECTS & ENGINEERS

DES CM | DR CM | CHK TDL
SUPV TDL | CH ENGR
SUBMITTED BY | DATE
FIRM MEMBER (TITLE) | 1-7-69
DPWO | RVD.
MGR. | DIR.
APPROVED | DATE | CHIEF
OFFICER IN CHARGE
APPROVED FOR BUDOCKS | DATE
DPWO FOR CHIEF OF BUREAU

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW, TRAINING GENERAL (DFRP)
FACILITY FY-66
PLUMBING PLAN
SECOND FLOOR PART "B"

CODE IDENT No.	SIZE	Y & D DRAWING No.
80091	F	1109337
SCALE AS NOTED	SPEC 75836/66 NBy 75836	SHEET 45 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER

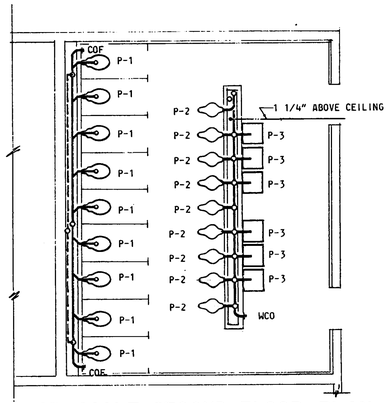
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

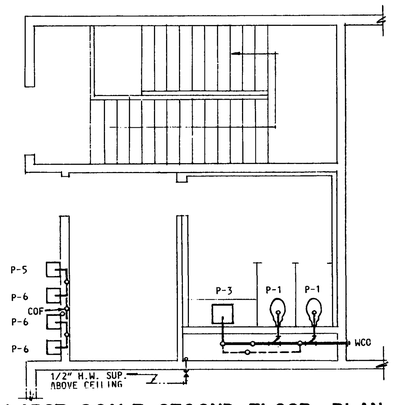
45/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



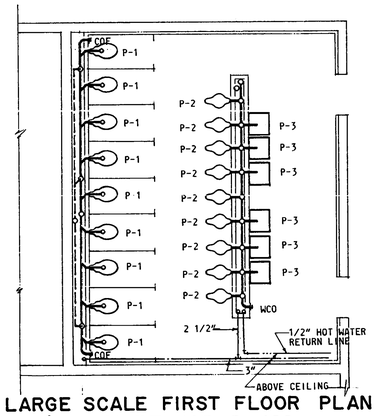
LARGE SCALE SECOND FLOOR PLAN
MEN'S TOILET 263 & 264

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



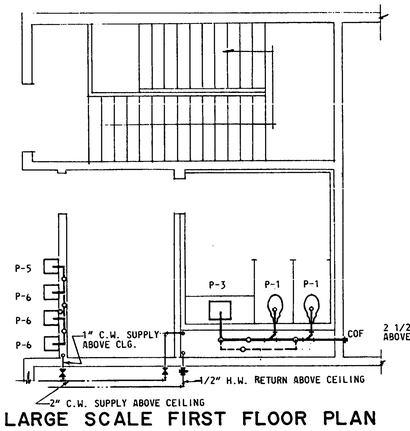
LARGE SCALE SECOND FLOOR PLAN
TOILET 242

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



LARGE SCALE FIRST FLOOR PLAN
MEN'S TOILET 165 & 166

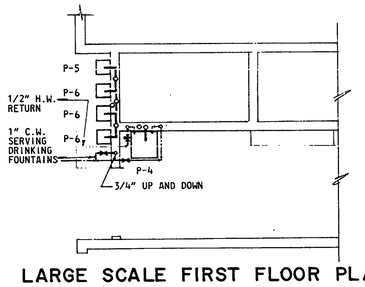
SCALE: 1/4" = 1'-0"



2 1/2" COLD WATER LINE ABOVE FIRST FL. CEILING

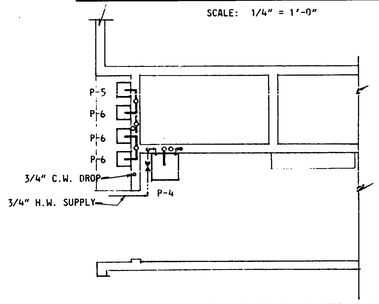
LARGE SCALE FIRST FLOOR PLAN
TOILET 163

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



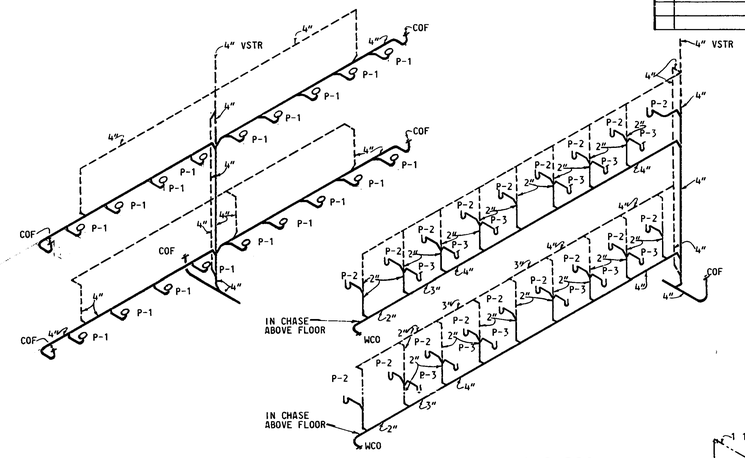
LARGE SCALE FIRST FLOOR PLAN
JANITOR'S CLOSET 169

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

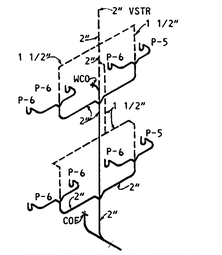


LARGE SCALE SECOND FLOOR PLAN
JANITOR'S CLOSET 268

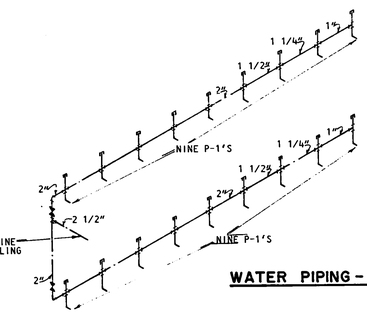
SCALE: 1/4" = 1'-0"

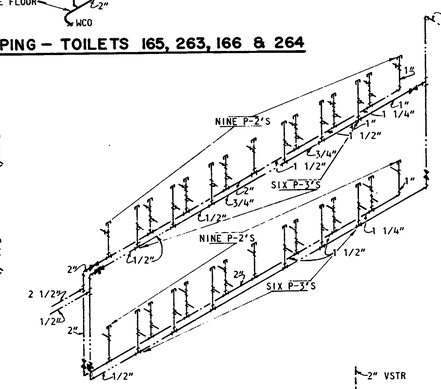


WASTE & VENT PIPING – TOILETS 165, 263, 166 & 264

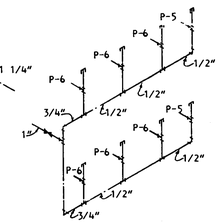


WASTE & VENT PIPING
FOR DRINKING FOUNTAINS

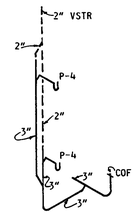




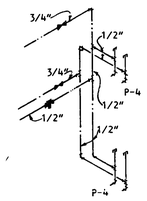
WATER PIPING – TOILETS 165, 263, 166 & 264



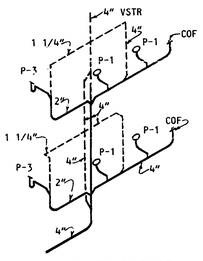
WATER PIPING FOR
DRINKING FOUNTAINS



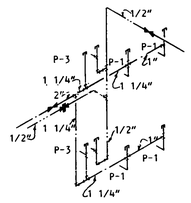
WASTE & VENT PIPING
FOR SERVICE SINKS



WATER PIPING
FOR SERVICE SINKS



WASTE & VENT PIPING
TOILETS – 163 & 242



WATER PIPING
TOILETS – 163 & 242

RECORD DRAWING
DATE 1-3-67

SHEET REF. NO.
P.6

GRAPHIC SCALE
1'0 5' 10' 15' 20' 25'
1/8" = 1'-0"
1'0 2' 4' 6' 8' 10' 12'
1/4" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.		
DES CM / DR CM / CHK TPL	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW. TRAINING GENERAL (DFRP) FACILITY FY-66 PLUMBING PLAN LARGE SCALE TOILETS		
SUPV TPL / CH ENGR			
SUBMITTED BY: DATE			
PRM MEMBER (TITLE) DATE			
DPWO / RVD.			
MOR / DIR.			
APPROVED DATE	CODE IDENT No. 80091	SIZE F	Y & D DRAWING No. 1109338
OFFICER IN CHARGE			
APPROVED FOR BUDOCKS DATE	SCALE AS NOTED	SPEC 75838/66 Nby 75838	SHEET 46 OF 59
DPWO FOR CHIEF OF BUREAU			

P/O

~~BIL-6027~~ 6902-1

DRAWING NUMBER

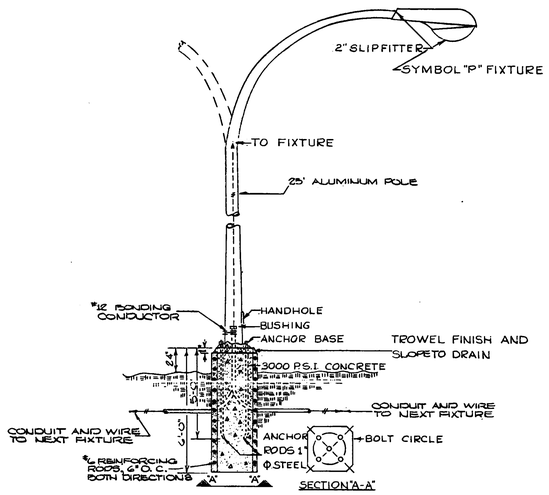
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

46/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED

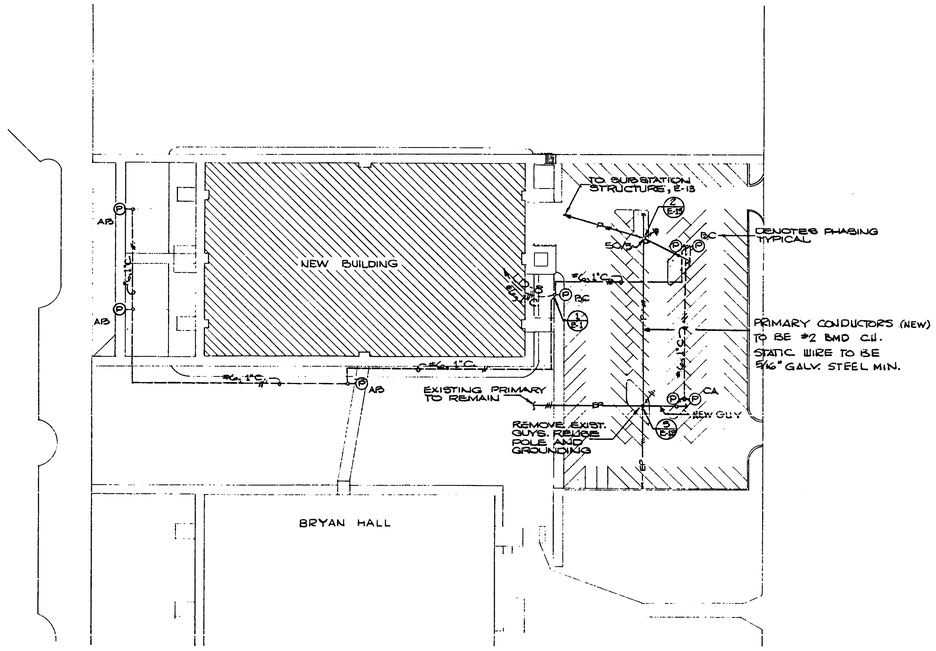


DETAIL 4/P MOUNTING "P" FIXTURE

NO SCALE

SYMBOLS

	BRANCH CIRCUIT CONCEALED ABOVE CEILING OR IN WALL, NUMBER OF COND.
	BRANCH CIRCUIT CONCEALED IN FLOOR SLAB, NUMBER OF CONDUCTORS.
	BRANCH CIRCUIT EXPOSED IN FLEXIBLE LIQUID TIGHT CONDUIT, NUMBER OF COND.
	BRANCH CIRCUIT EXPOSED IN FLEXIBLE CONDUIT, NUMBER OF CONDUCTORS.
	BRANCH CIRCUIT CONDUIT WITH SEAL OFF FITTING.
	BRANCH CIRCUIT CONDUIT WITH EXPANSION FITTING.
A-1	HOME RUN, PANEL AND CIRCUIT DESIGNATION, NUMBER OF CONDUCTORS.
T-1	TELEPHONE SYSTEM CONDUIT, CONCEALED OR EXPOSED PER BRANCH CIRCUIT SYMBOLS, SIZE.
	SIGNAL SYSTEM CONDUIT CONCEALED OR EXPOSED PER BRANCH CIRCUIT SYMBOLS, NUMBER OF WIRES, SIZE AS REQUIRED.
FA-1	FIRE ALARM SYSTEM CONDUIT, CONCEALED OR EXPOSED PER BRANCH CIRCUIT SYMBOLS, NUMBER OF WIRES, SIZE.
10	CEILING OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
1	WALL BRACKET OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
	FLUORESCENT BRACKET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
1	FLUORESCENT FIXTURE WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
1	FLUORESCENT STRIP WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
1	RECESSED FLUORESCENT FIXTURE WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
1	DUPLEX GROUNDABLE RECEPTACLE, CIRCUIT NUMBER.
	RECEPTACLE, 30 AMP, 4 WIRE AND CAP.
	RECEPTACLE, 20 AMP, 3 WIRE AND CAP.
	RECEPTACLE, 20 AMP, 4 WIRE AND CAP.
	TELEPHONE OUTLET AND PLATE.
J	SURFACE JUNCTION BOX, SIZE AND MOUNTING HEIGHT AS NOTED.
	CONNECTION TO ELECTRIC MOTOR, H.P.
	SWITCH, SINGLE POLE FLUSH TUMBLER.
3	SWITCH, THREE-WAY FLUSH TUMBLER.
4	SWITCH, FOUR-WAY FLUSH TUMBLER.
M	MAGNETIC STARTER FURNISHED WITH EQUIPMENT.
ST	MANUAL MOTOR SWITCH, SINGLE POLE, FLUSH MOUNTING.
SW	SWITCH, UNFUSED SAFETY, NUMBER POLES, AMPS, MOUNTING HEIGHT NOTED, 250 VOLT.
SW	SWITCH, UNFUSED RAINTIGHT, NUMBER POLES, AMPS, MOUNTING HEIGHT NOTED, 250 VOLT.
SW	SWITCH, UNFUSED SAFETY, NUMBER POLES, AMPS, MOUNTING HEIGHT NOTED, 600 VOLT.
SW	SWITCH, UNFUSED RAINTIGHT, NUMBER POLES, AMPS, MOUNTING HEIGHT NOTED, 600 VOLT.
M	MAGNETIC STARTER WITH EXTRA INTERLOCK FOR REMOTE CONTROL.
M	MASTER TIME AND PROGRAM CONTROL MOUNTED CENTER LINE 5'-6" ABOVE FLOOR.
	WEATHERPROOF GONG, 10", MOUNTED 12'-0" ABOVE FIRST FLOOR.
	SECONDARY CLOCK AND BUZZER, SEE DETAIL
	CLOCK OUTLET WITH DOUBLE FACED CLOCK MOUNTED ON CEILING.
	BUZZER OUTLET WITH BUZZER MOUNTED FLUSH IN CEILING.
	OUTLET FOR SINGLE PROJECTION FIRE ALARM HORN, WITH HORN MOUNTED 8'-0" ABOVE FLR.
	OUTLET FOR DOUBLE PROJECTION FIRE ALARM HORN, WITH HORN MOUNTED 8'-0" ABOVE FLR.
	PLUG-IN BUSWAY WITH END CABLE TAP BOX AND END CLOSURE, 60 CYCLE AC.
	PLUG-IN BUSWAY WITH END CABLE TAP BOX AND END CLOSURE, 28 VOLT D.C.
	PLUG-IN BUSWAY WITH END CABLE TAP BOX AND END CLOSURE, 400 CYCLE AC.
	PLUG-IN BUSWAY, PLUG WITH CIRCUIT BREAKER, SEE ROOM ELEV. FOR SIZE.
	PLUG-IN BUSWAY, WITH UNFUSED REDUCER.
	CLASSROOM POWER WIREWAYS, (3), SEE SPECS AND ROOM ELEVATION.
	FIRE ALARM GONG, UP 12'-0" ABOVE FIRST FLOOR.
	COMMUNICATION WIREWAY, 4"x4".
	COMMUNICATION WIREWAY, 6"x6".
	CLASSROOM PANEL, SURFACE MOUNTED, 120/208 VOLT 60 CYCLE AC.
	CLASSROOM PANEL, SURFACE MOUNTED, 28 VOLT DC.
	CLASSROOM PANEL, SURFACE MOUNTED, 120/208 VOLT 400 CYCLE AC.
	LIGHTING AND SMALL POWER PANEL, FLUSH MOUNTED.
	DISTRIBUTION PANEL, SURFACE MOUNTED.
	FIRE ALARM SYSTEM THERMAL DETECTOR UNIT, MOUNTED FLUSH IN CEILING.
	FIRE ALARM SYSTEM PULL DOWN STATION MOUNTED 4'-2" ABOVE FLOOR.
	FIRE ALARM SYSTEM TERMINAL CABINET MOUNTED 5'-0" ABOVE FLOOR.
	TELEPHONE CABINET MOUNT @ 4'-0" ABOVE FLOOR.



PLOT PLAN

SCALE: 1"=50'

N

GRAPHIC SCALE

0 20 40 100 150 200

10 30 50

1"=50'

RECORD DRAWING
DATE 1-29-69

SHEET REF. NO.
D 1

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES HD DR AW-JL CHK LW/TT	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66
SUPV LW/TT CH ENGR.	
SUBMITTED BY DATE	
FIRM MEMBER (TITLE) OWNER 1/19/66	
DPWO, MGR. RVD. DIR.	SITE PLAN
APPROVED DATE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109339
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS DATE	
DPWO FOR CHIEF OF BUREAU	SCALE 1"=50' — SPEC 7605B/66 NBy 7605B — SHEET 47 OF 55

P/O

BtL-6027 6902-1

DRAWING NUMBER

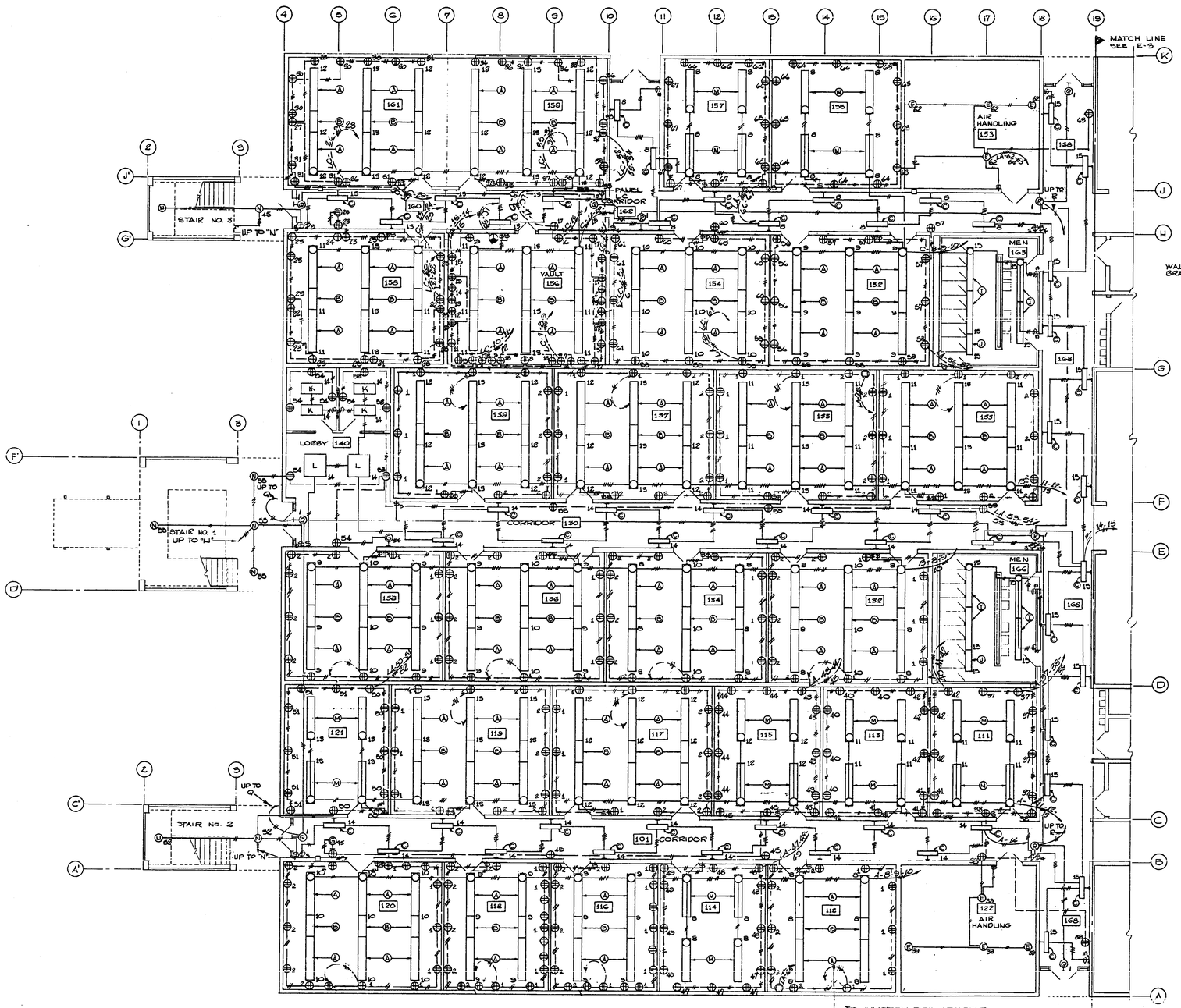
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

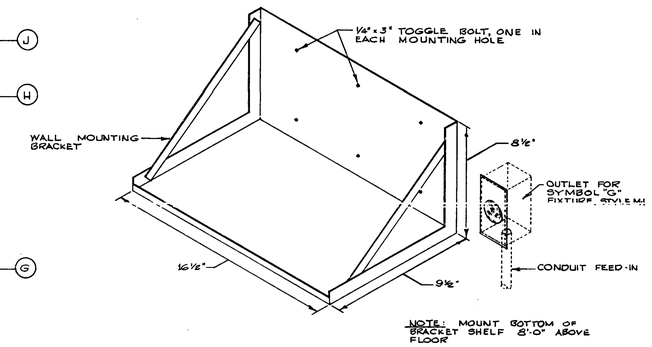
47/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		AS-BUILT	1/27/69	



FIRST FLOOR PLAN PART "A"

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



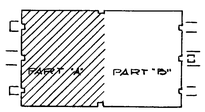
DETAIL 1/E-2 EMERGENCY LIGHT SHELF

NO SCALE

FIXTURE SCHEDULE

SYMBOL	WATTS	DESCRIPTION	MANUFACTURE	CAT. NO. *	MOUNTING
A	4-40	SUSPENDED INDUSTRIAL FLUORESCENT			
		96" WITH SINGLE STEM HANGER 24" WITH	DAYBRITE	R-41432-CO	
		30"X30" STEEL LOUVERS, 277 VOLTS	DAYBRITE	R-7124	SUSPENDED
B	2-40	SUSPENDED INDUSTRIAL FLUORESCENT			
		48" WITH SINGLE STEM HANGER 24" WITH	DAYBRITE	R-41252-4	
		30"X30" STEEL LOUVERS, 277 VOLTS	DAYBRITE	R-7124	SUSPENDED
C	1-40	CORRIDOR FLUORESCENT WALL			
		BRACKET 277 V. BALLAST	ALKCO	145-M	8'-10"
D	1-40	FLUORESCENT LAVATORY BRACKET	ALKCO	145-H-C	6'-6"
E	150	RLM DOME	ABOLITE	SEFCS-150	CEILING
F	2-100	BAND UNIT	MULTI	564	CEILING
G	2-7	EMERGENCY BATTERY LIGHT WITH WALL			
		MOUNTING BRACKET AND 3 WIRE CORD	BIG BEAM	2A5C/80	DETAIL
		AND PLUG	BIG BEAM	20	
H	150	RECESSED BOX WITH DROP OPAL LENS	DAYBRITE	2150-90-C	RECESSED
I	2-40	FLUORESCENT STRIP 96" 277 VOLT BALLAST	LIGHTOLIER	10158	CEILING
J	1-40	FLUORESCENT STRIP 48" 277 VOLT BALLAST	LIGHTOLIER	10153	CEILING
K	4-40	FLUORESCENT TROFFER 2'X4' WITH ACRYLIC			
		LENS, 277 VOLT BALLAST	DAYBRITE	4-242-283-4	RECESSED
L	6-40	RECESSED FLUORESCENT 4'X4' WITH ACRYLIC			
		LENS, 277 VOLT BALLAST	SMITHCRAFT	4GAPE-40	RECESSED
M	4-40RS	SHIELDED FLUORESCENT 96" WITH 24" STEMS	DAYBRITE	447242-8	SUSPENDED
		277 VOLTS	DAYBRITE	R-7124	
N	2-100	SURFACE SQUARE SHALLOW	McPHILBEN	43-23	CEILING
P	400	MERCURY VAPOR STREETLIGHT WITH PHOTOCELL	WESTINGHOUSE	466D708-G-P1	DETAIL
		AND COLOR CORRECTED LAMP, 208 VOLT BALLAST	WESTINGHOUSE	66390	
Q	2-25	EXIT LIGHT BACK MOUNT	McPHILBEN	50W-2MKL	8'-6"
R	2-25	EXIT LIGHT END MOUNT ARROWS LEFT AND	McPHILBEN	50E-2MKL	8'-6"
		RIGHT		ARROWS L&R	

* SIMILAR AND EQUAL EQUIPMENT IS ACCEPTABLE



KEY PLAN

NO SCALE

RECORD DRAWING
DATE 1-19-69

GRAPHIC SCALE

1 0 5 10 15 20 25

1/8"=1'-0"

SHEET REF. No. 1-3 6D

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES. MO / DRAW. JLMC / CHK. LWTR / SUPV. LWTR / CH. ENGR.	KEESLER AIR FORCE BASE — BILOXI, MISSISSIPPI — NEW. TRAINING GENERAL (DFRP) — FACILITY FY-65 — FIRST FLOOR PLAN - PART 'A' — LIGHTING AND SMALL POWER
SUBMITTED BY / DATE	
FIRM MEMBER (TITLE) OWNER 1/1/62	
DPWO / RVD. / MGR. / DIR.	
APPROVED / DATE 1/10/62	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109340
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	
DPWO FOR CHIEF OF BUREAU	SCALE 1/8"=1'-0" — SPEC 76858/76858 — SHEET 48 OF 65

P/O

BIL-6027 6902-1

DRAWING NUMBER

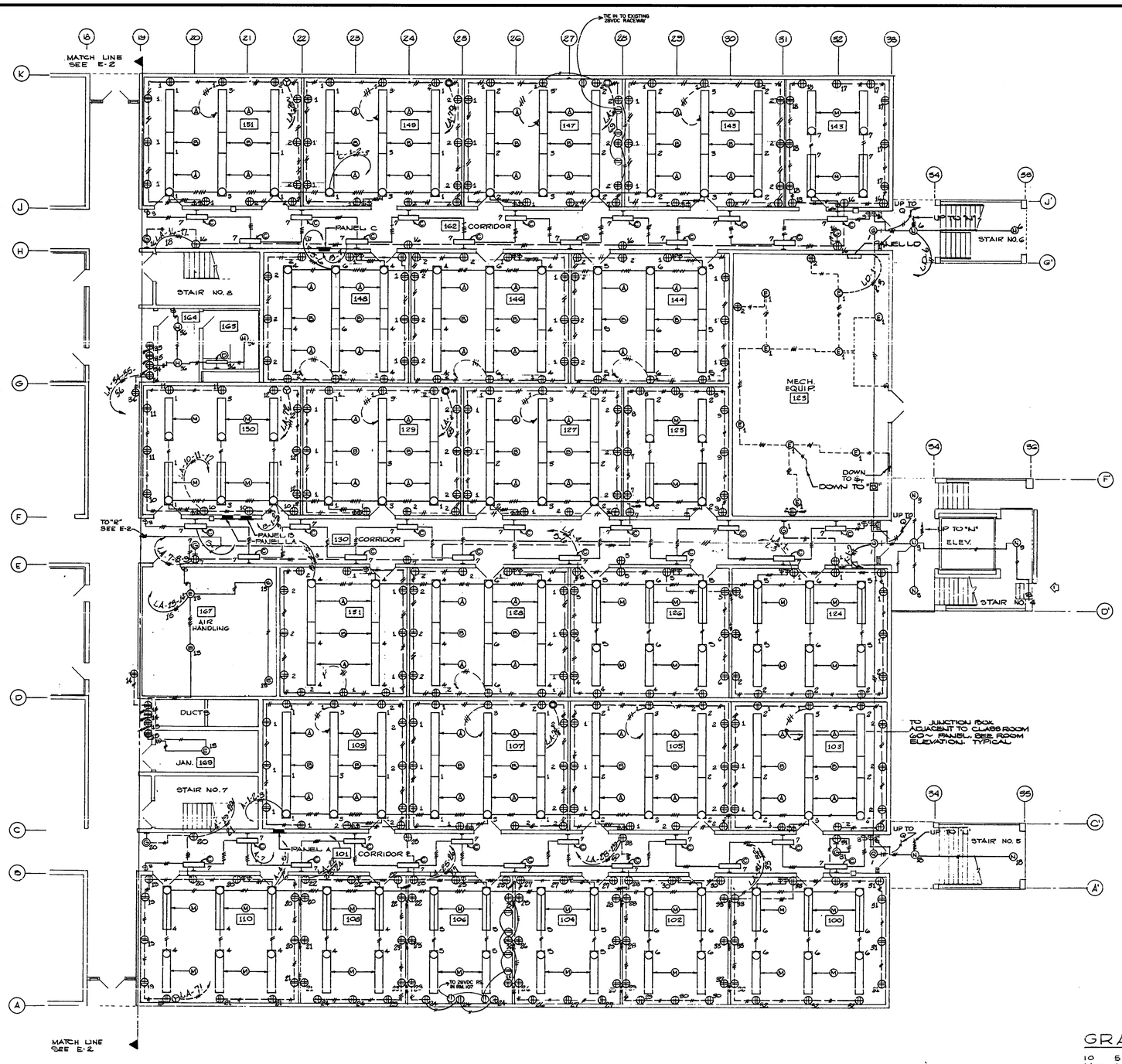
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

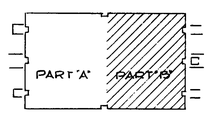
48/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		AS-BUILT	1/21/69	



FIRST FLOOR PLAN PART "B"

SCALE 1/8" = 1'-0"



KEY PLAN

NO SCALE

GRAPHIC SCALE

10 5 10 15 20 25

1/8" = 1'-0"

RECORD DRAWING 1-29-69

SHEET REF NO.

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.	
DES HO / DR AW-JL / CHK LW/TT SUPV LW/TT / CH ENGR SUBMITTED BY ____ DATE FIRM MEMBER (TITLE) OWNER 1/21/69 DPWO ____ BY ____ MGR ____ DIR ____ APPROVED ____ DATE	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66 FIRST FLOOR PLAN - PART "B" LIGHTING AND SMALL POWER	
OFFICER IN CHARGE	CODE IDENT No. 80091	SIZE F	Y & D DRAWING No. 1109341
APPROVED FOR BUDOCKS DATE			
DPWO FOR CHIEF OF BUREAU	SCALE 1/8"=1'-0"	SPEC 75838/66 NBy 75838	SHEET 40 OF 60

P/O

BTL-6027 6902-1

DRAWING NUMBER

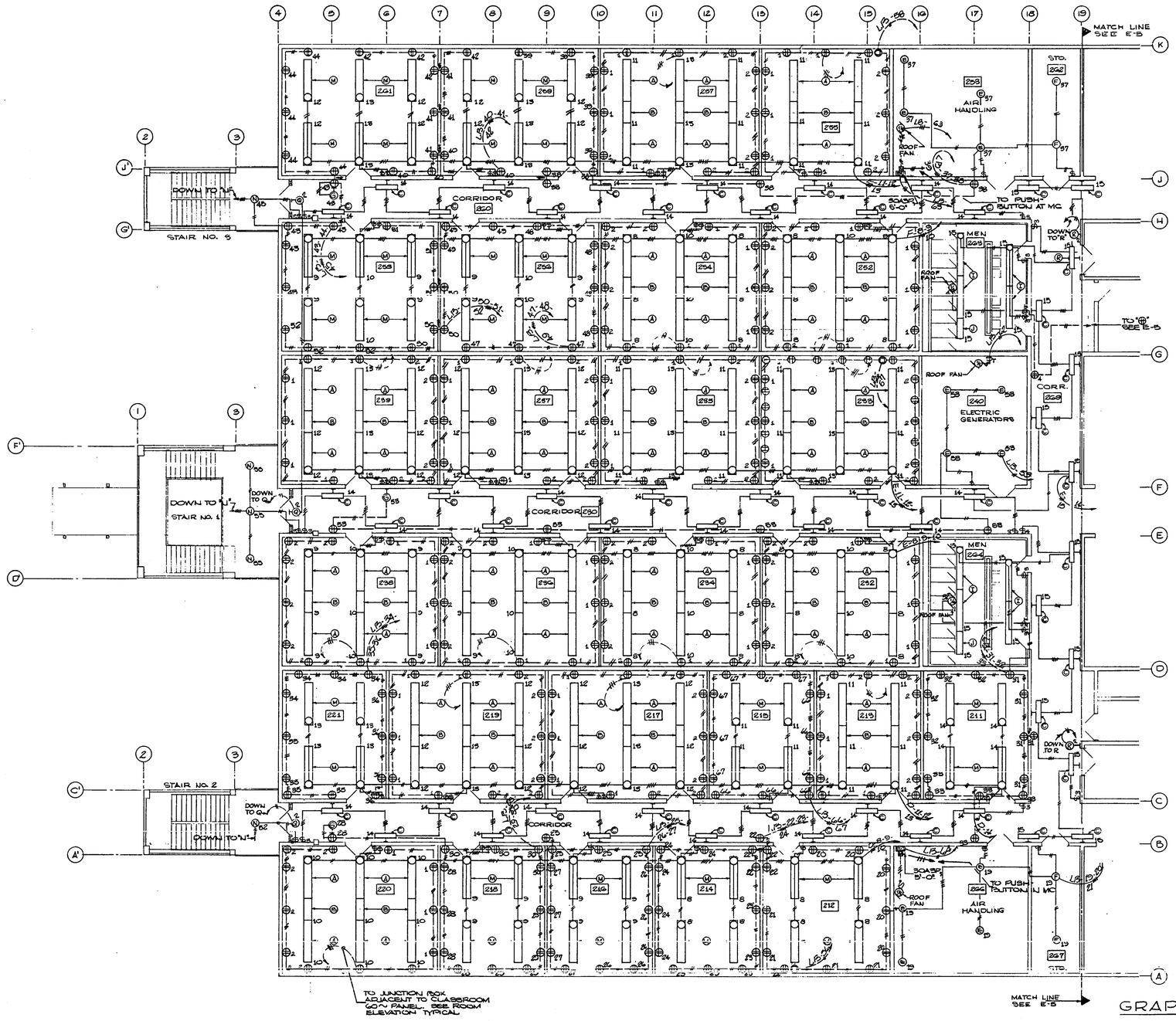
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

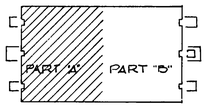
49/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



SECOND FLOOR PLAN PART "A"

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



KEY PLAN

NO SCALE

RECORD DRAWING

DATE 1-29-69

SHEET REF. NO.

GRAPHIC SCALE

1/8" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT	BUREAU OF YARDS & DOCKS — NEW ORLEANS 40, LA.
DES HO / DR AW-JL / CHK LWIII	KEESLER AIR FORCE BASE — BILOXI, MISSISSIPPI — NEW, TRAINING GENERAL (DFRP) — FACILITY FY-66 — SECOND FLOOR PLAN - PART 'A' — LIGHTING AND SMALL POWER	
SUPV LWIII / CH ENGR		
SUBMITTED BY / DATE		
FIRM MEMBER (TITLE) / DATE		
DPWO / REVD.		
MGR / DIR.		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F
OFFICER IN CHARGE		Y & D DRAWING No. 1109342
APPROVED FOR BUDOCKS / DATE		
DPWO FOR CHIEF OF BUREAU	SCALE 1/8" 1'-0"	SPEC 70B58/6/NB/70B58 — SHEET 50 OF 59

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

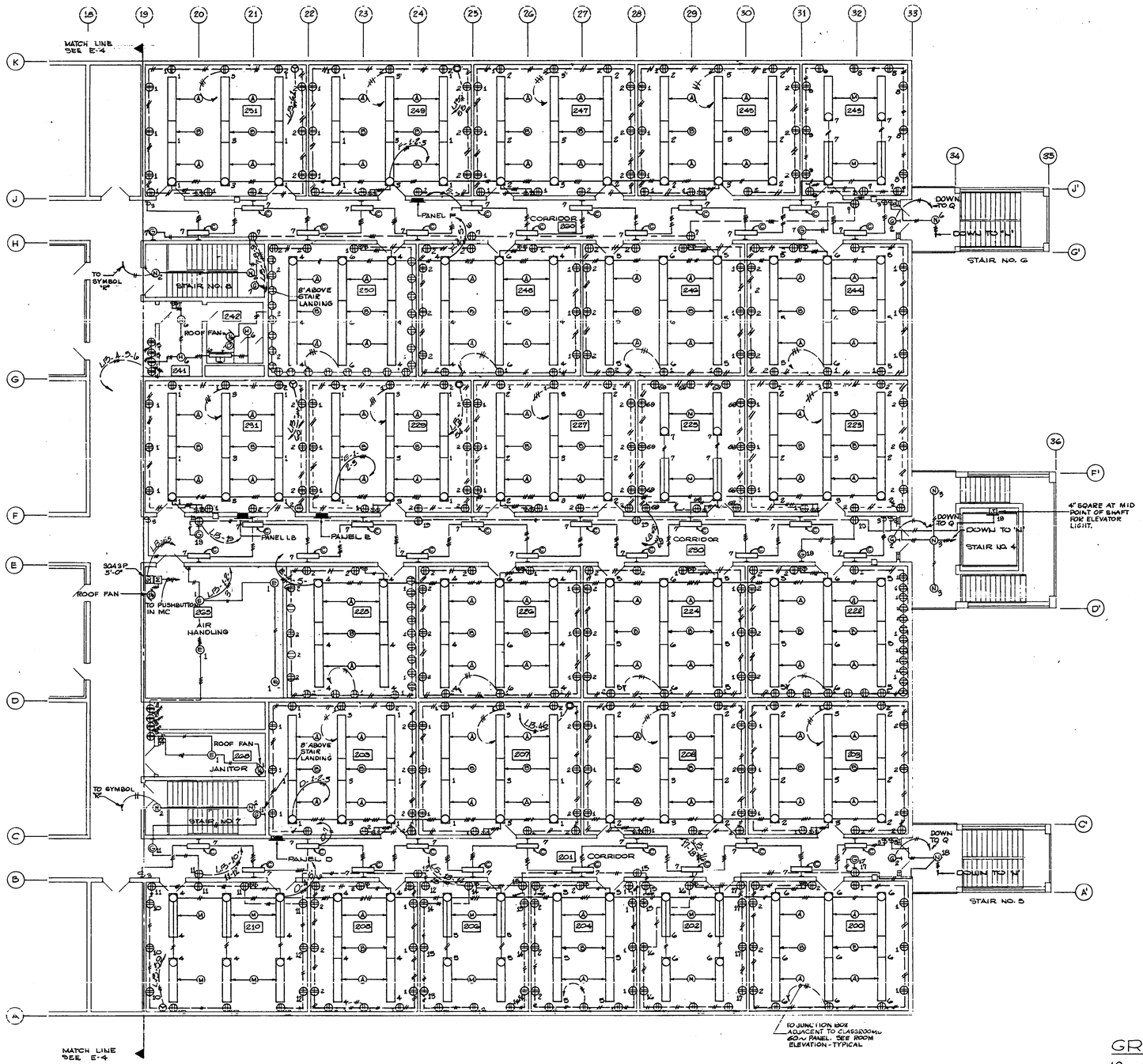
DRAWING NUMBER

50/59

P/O

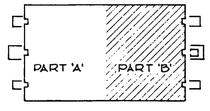
Bit-6027 6902-4

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



SECOND FLOOR PLAN PART "B"

SCALE 1/8" = 1'-0"



KEY PLAN
NO SCALE

RECORD DRAWING
DATE 1-29-69

SHEET REF. NO.
E 5

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

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY 8TH NAVAL DISTRICT	BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE NEW ORLEANS 40, LA.	
DES HO / DR AW-JL / CHK LW/TT	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66 SECOND FLOOR PLAN- PART 'B' LIGHTING AND SMALL POWER		
SUPV LW/TT / CH ENGR			
SUBMITTED BY / DATE			
FIRM MEMBER (TITLE) OWNER			
DPWO / EVD / MGR / DIR			
APPROVED / DATE	CODE IDENT No. 80091	SIZE F	Y & D DRAWING No. 1109343
OFFICER IN CHARGE			
APPROVED FOR BUDOCKS / DATE			
DPWO FOR CHIEF OF BUREAU	SCALE 1/8"=1'-0"	SPEC 75858/NB/75858	SHEET 51 OF 53

P/O

BTL-6027 6902-1

DRAWING NUMBER

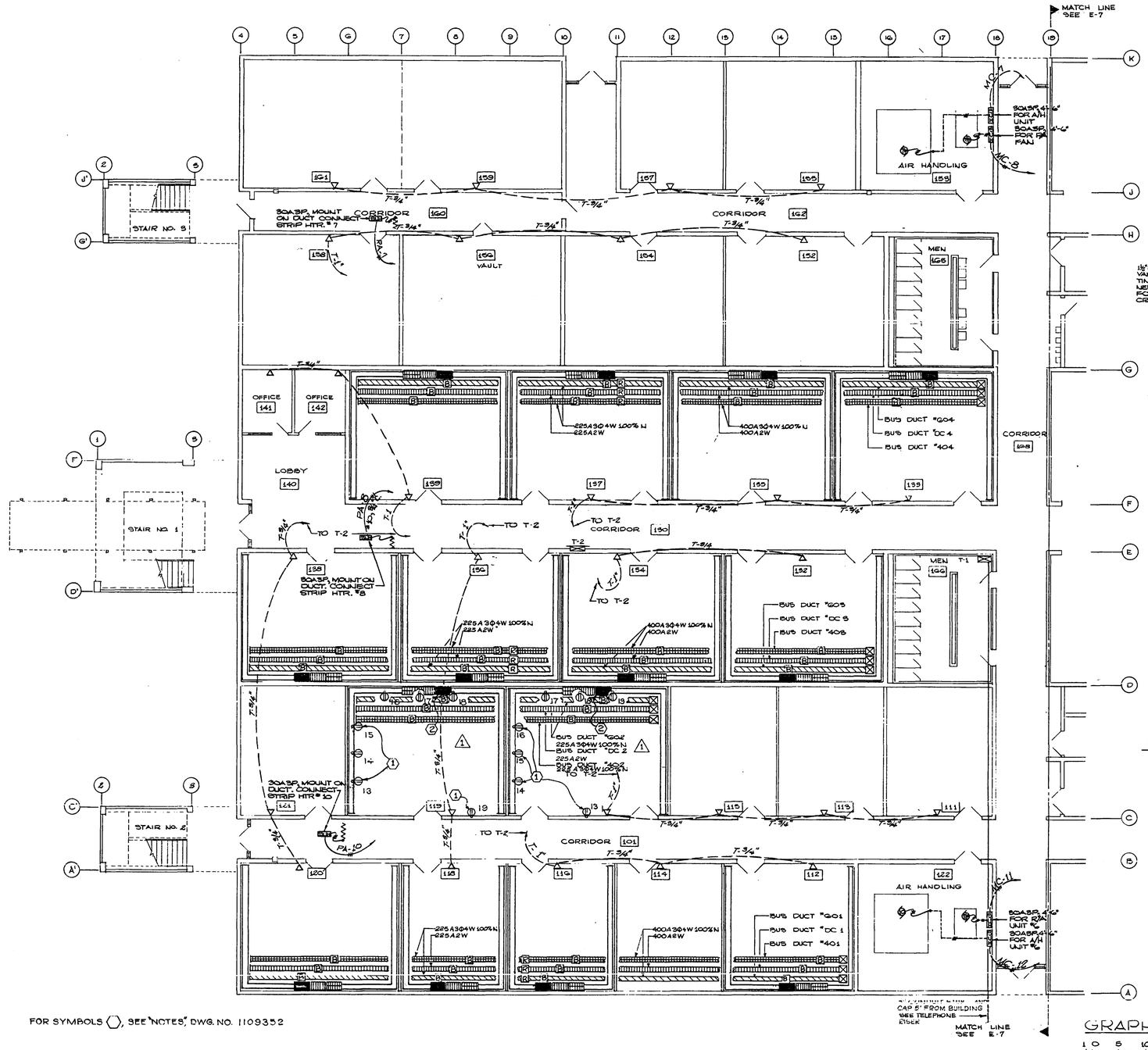
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

51/59

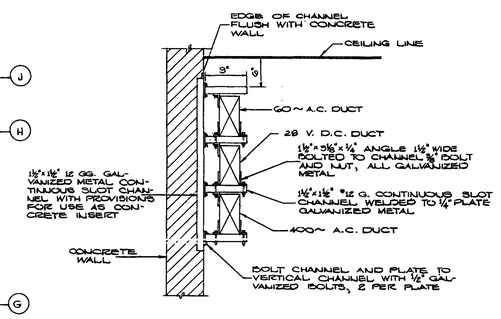
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		GENERAL REVISIONS	2/27/65	



FOR SYMBOLS ⬡, SEE "NOTES", DWG. NO. 1109352

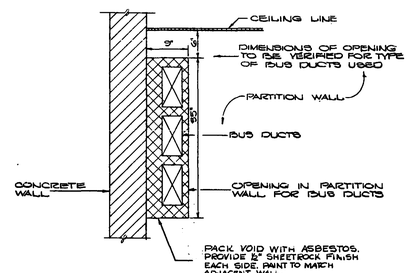
FIRST FLOOR PLAN PART "A"

SCALE 1/8" = 1'-0"



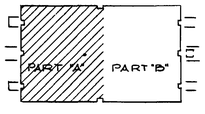
DETAIL 1/E-7 BUS DUCT MOUNTING

NO SCALE



DETAIL 2/E-7 BUS DUCT THRU WALL

NO SCALE



KEY PLAN

NO SCALE

RECORD DRAWING
DATE 1-29-69

SHEET REF. NO. 12 6

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

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES HO / DR NAF-JL / CHK LWIII	KEESLER AIR FORCE BASE — BILOXI, MISSISSIPPI — NEW, TRAINING GENERAL (DFRIP) — FACILITY FY-66 — FIRST FLOOR PLAN - PART 'A' — POWER
SUPV LWIII / CH ENGR	
SUBMITTED BY / DATE	
FIRM MEMBER (TITLE) / DATE NOVEMBER 17, 1964	
DPWO / RVD.	
MGR. ARCH. & ENG. DIV.	
APPROVED / DATE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109344
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	SCALE ⅛" = 1'-0" — SPEC 75B58/46NBy75B58 — SHEET 52 OF 59
DPWO FOR CHIEF OF BUREAU	

P/O

BtL-6027 6902-1

DRAWING NUMBER

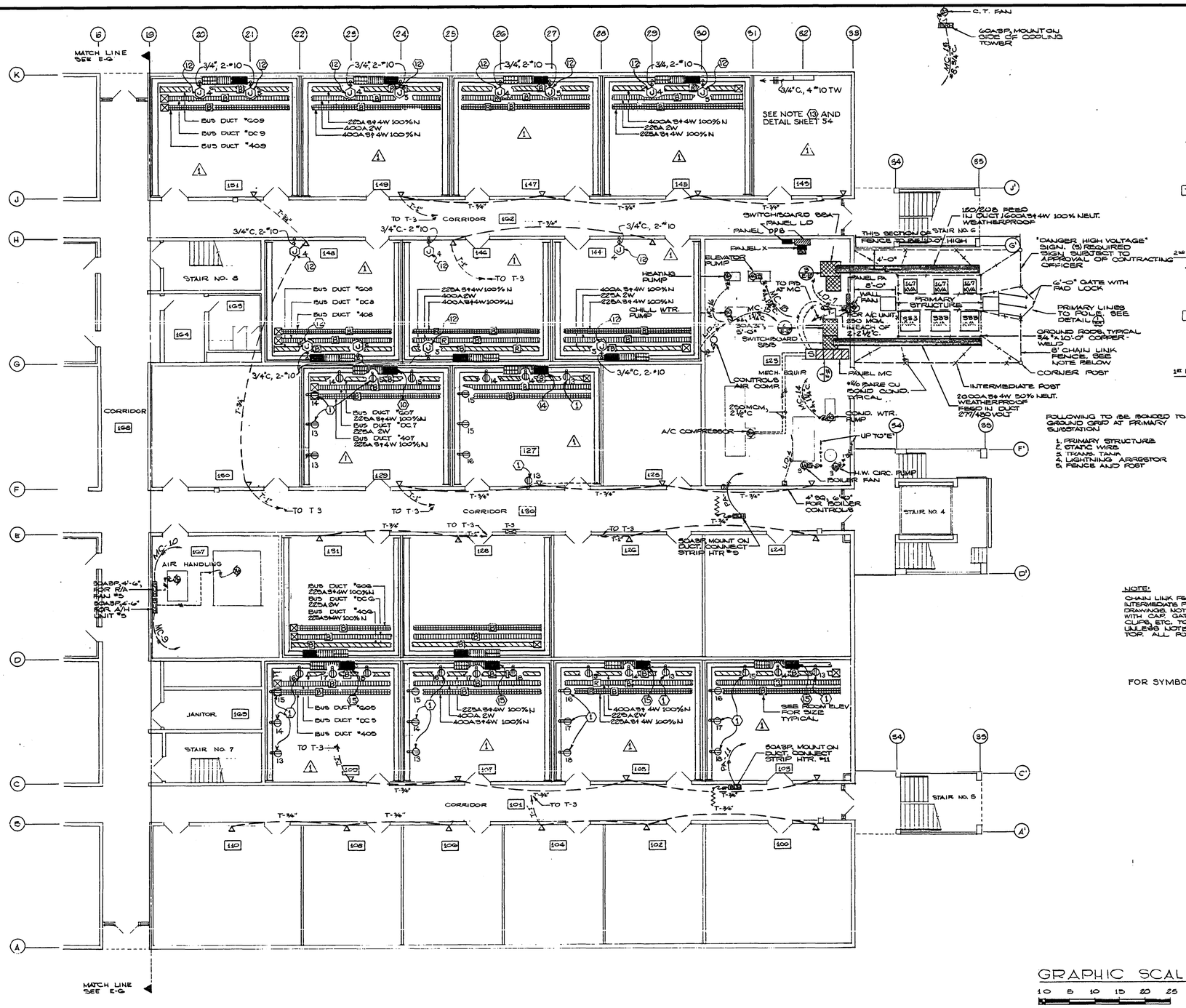
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

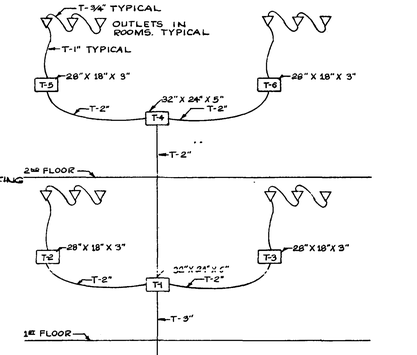
52/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		GENERAL REVISIONS	2/27/60	



FIRST FLOOR PLAN PART "B"

SCALE 1/8" = 1'-0"



DETAIL 67 TELEPHONE RISER

NO SCALE

"DANGER HIGH VOLTAGE" SIGN. (8) REQUIRED SIGN SUBJECT TO APPROVAL OF CONTRACTING OFFICER

6'-0" GATE WITH PAD LOCK

PRIMARY LINES TO POLE, SEE DETAIL 67

GROUND RODS, TYPICAL ¾" x 10'-0" COPPER-WELD

8' CHAIN LINK FENCE, SEE NOTE BELOW

CORNER POST

INTERMEDIATE POST

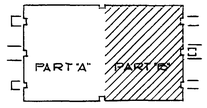
FOLLOWING TO BE BONDED TO GROUND GRID AT PRIMARY SUBSTATION

1. PRIMARY STRUCTURE
2. STATIC WIRE
3. TRANS. TANK
4. LIGHTNING ARRESTOR
5. FENCE AND POST

NOTE:

CHAIN LINK FENCE TO BE #6GG ALUMINUM COATED STEEL CHAIN LINK WOVEN. INTERMEDIATE POSTS SHALL BE 'H' FRAME SPACED WHERE SHOWN ON THE DRAWINGS, NOT TO EXCEED 10'-0" O.C. CORNER POST TO BE 2½" I.D. GALV. PIPE WITH CAP. GATE TO BE 6'-0" WITH 4" O.D. POST AND HINGES. ALL POSTS, HINGES CLIPS, ETC. TO BE HOT DIPPED GALV. FENCE TO BE 8'-0" OVERALL HEIGHT UNLESS NOTED OTHERWISE AND INCLUDE 2 STRANDS BARBED WIRE AT TOP. ALL POSTS TO BE SET 3'-0" DEEP IN CONCRETE FOOTINGS.

FOR SYMBOLS ⬡ SEE "NOTES", Y.&D. DWG. NO. 1109352



KEY PLAN

NO SCALE

RECORD DRAWING
DATE 1-29-69

SHEET REF. No.
E 7

GRAPHIC SCALE

1 0 5 10 15 20 25

1/8" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.	
DES HO / DR AW-JL / CHK LWTT	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66 FIRST FLOOR PLAN - PART 'B' POWER	
SUPV LWTT / CH ENGR		
SUBMITTED BY / DATE		
FIRM MEMBER (TITLE) / DATE		
DPWO / RVD. / DIR.		
APPROVED / DATE	CODE IDENT No. 80091	SIZE F — Y & D DRAWING No. 1109345
OFFICER IN CHARGE / DATE		
APPROVED FOR BUDOCKS / DATE		
DPWO FOR CHIEF OF BUREAU	SCALE 1/8"=1'-0"	SPEC 708958/Con NBy25838 — SHEET 58 OF 59

P/O

BIL-6027 69027

DRAWING NUMBER

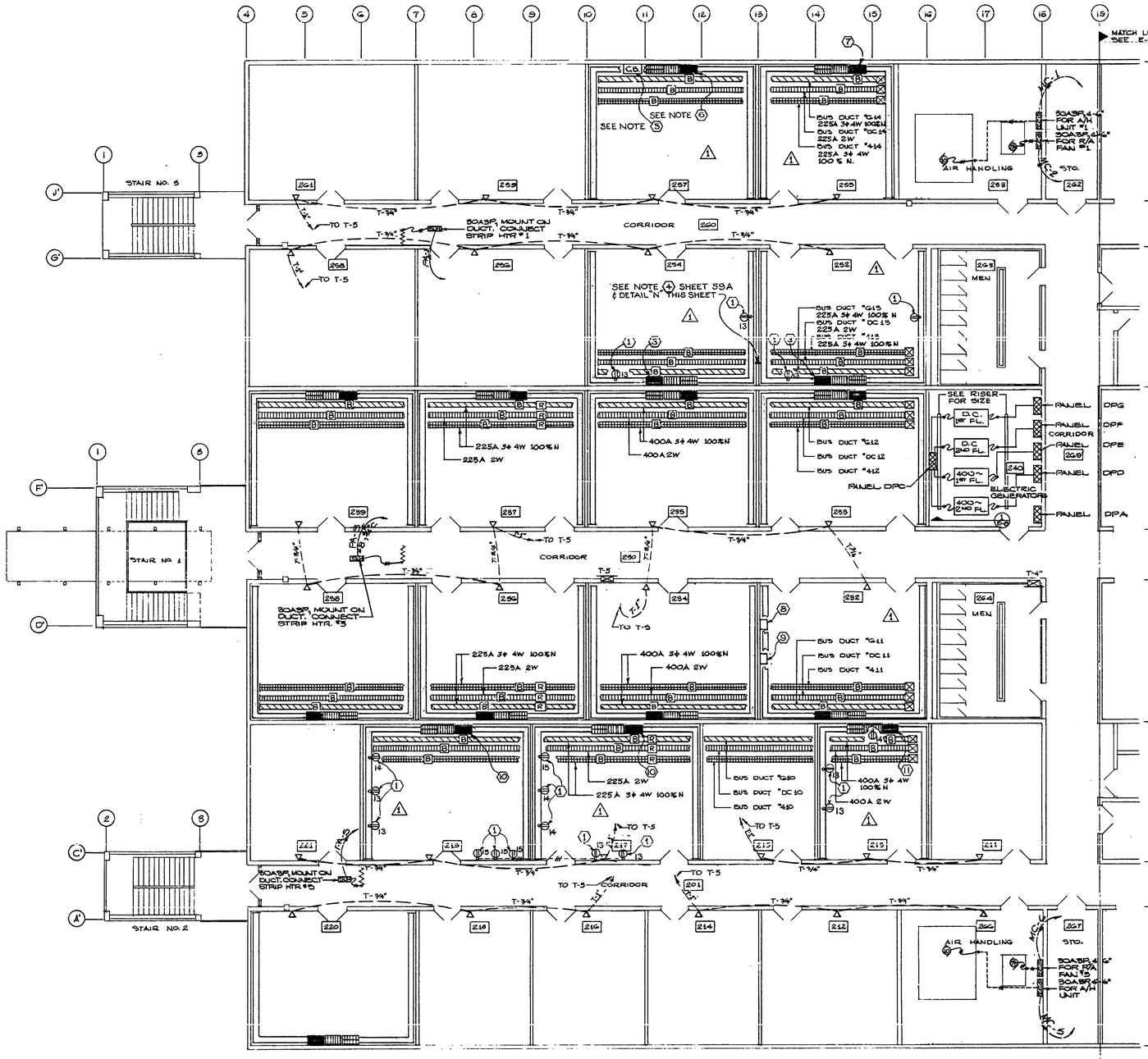
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

53/59

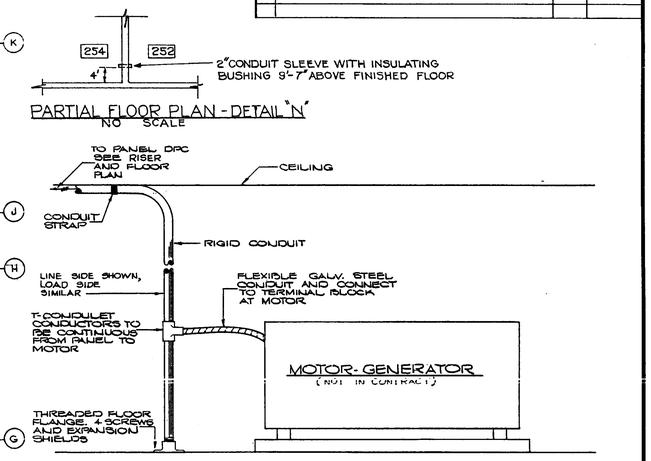
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		GENERAL REVISIONS	2/28/64	



FOR SYMBOL ⬡ SEE "NOTES", Y.&D. DWG. NO. 1109352

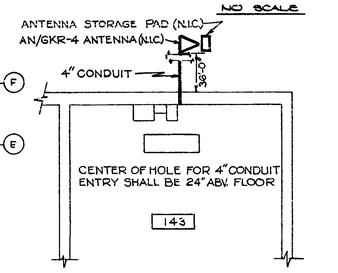
SECOND FLOOR PLAN PART "A"

SCALE 1/8" = 1'-0"

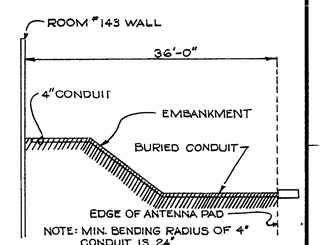


PARTIAL FLOOR PLAN - DETAIL "N"
NO SCALE

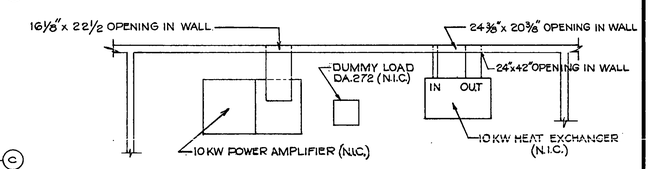
DETAIL 1/E-9 CONNECTION AT MOTOR-GENERATOR
NO SCALE



PARTIAL FLOOR PLAN - DETAIL "O"
NO SCALE



TERRAIN LAYOUT - DETAIL "P"
NO SCALE



PARTIAL FLOOR PLAN - RM. "257 - DETAIL "M"
SCALE: ¼" = 1'-0"

KEY PLAN
NO SCALE

RECORD DRAWING
DATE 1-29-69

SHEET REF. NO. E 8

MATCH LINE SEE E-9

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

R. W. NALF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES. HO / DR. AW-JL / CHK. LW/TT	KEESLER AIR FORCE BASE, BILOXI, MISSISSIPPI
SUPV. LW/TT / CH. ENGR.	NEW. TRAINING GENERAL (DFRP) FACILITY FY-66
SUBMITTED BY / DATE	SECOND FLOOR PLAN-PART 'A'
PRM. MEMBER / OWNER LW/TT	POWER
DPWO / RVD.	
MGR. / DIR.	
APPROVED / DATE	CODE IDENT No. 80091 / SIZE F / Y & D DRAWING No. 1109346
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	
DPWO FOR CHIEF OF BUREAU	SCALE ¼" = 1'-0" / SPEC 76658/66NBY/76658 / SHEET 54 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER

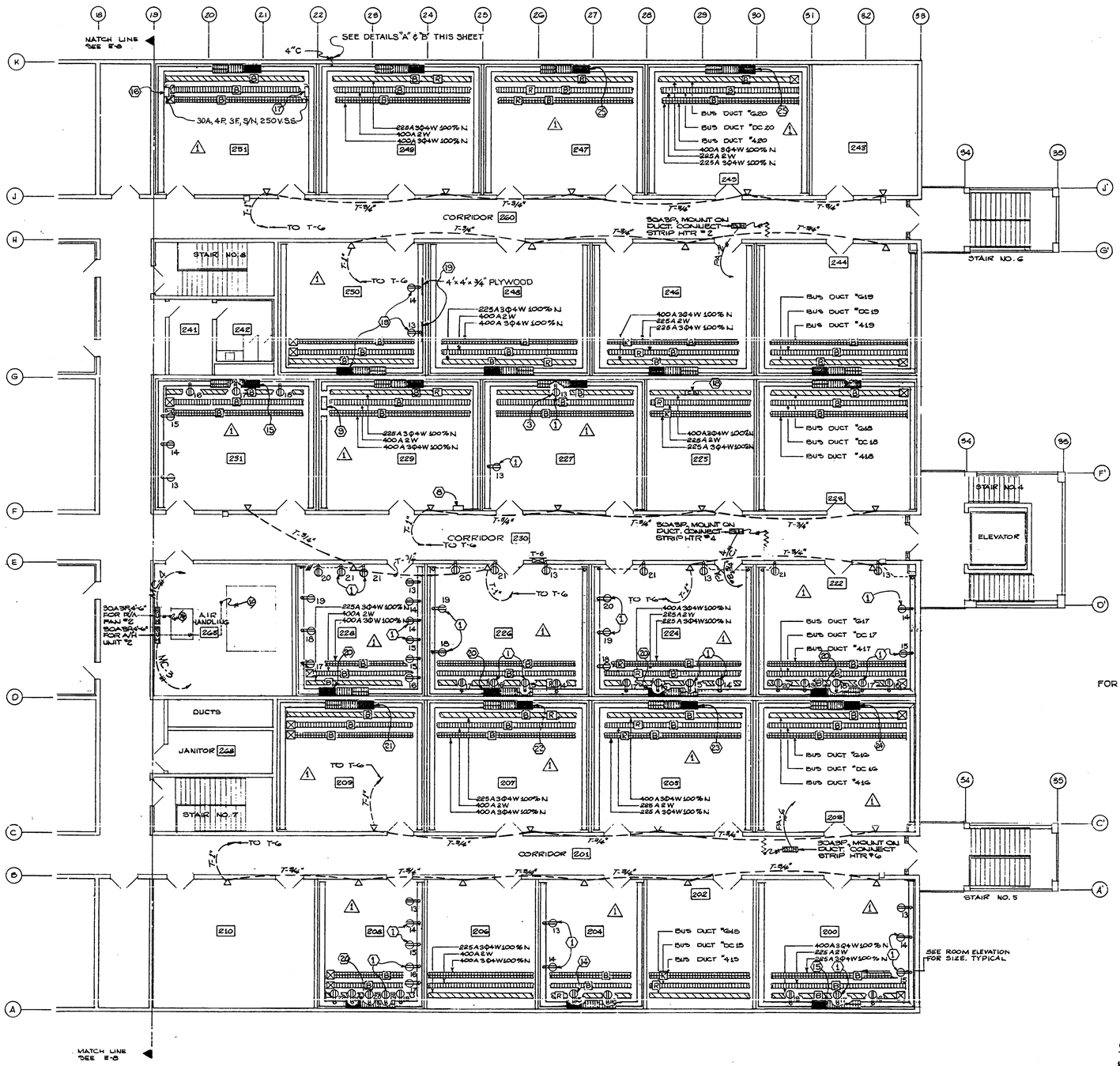
DRAWING NUMBER

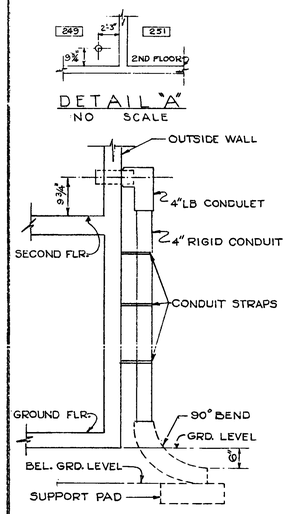
DRAWING NUMBER

DRAWING NUMBER

54/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	2/28/68	RCF





FOR SYMBOLS ⬡ SEE "NOTES" Y. & D. DWG. NO. 1109352

KEY PLAN
NO SCALE

RECORD DRAWING
DATE 1-29-69

SHEET REF. No. E 9

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

SECOND FLOOR PLAN PART "B"

SCALE 1/8" = 1'-0"

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES HO / DR AWJL / CHK LWTT	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-68 SECOND FLOOR - PART 'B' POWER
SUPV LWTT / CH ENGR	
SUBMITTED BY / DATE	
FIRM MEMBER (TITLE)	
DPWO / RVD. MGR. / DIR.	
APPROVED / DATE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109347
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	SCALE 1/8" = 1'-0" — SPEC 75868/66NB/75855 — SHEET 55 OF 59
DPWO FOR CHIEF OF BUREAU	

P/O

BTL-6027 6902-1

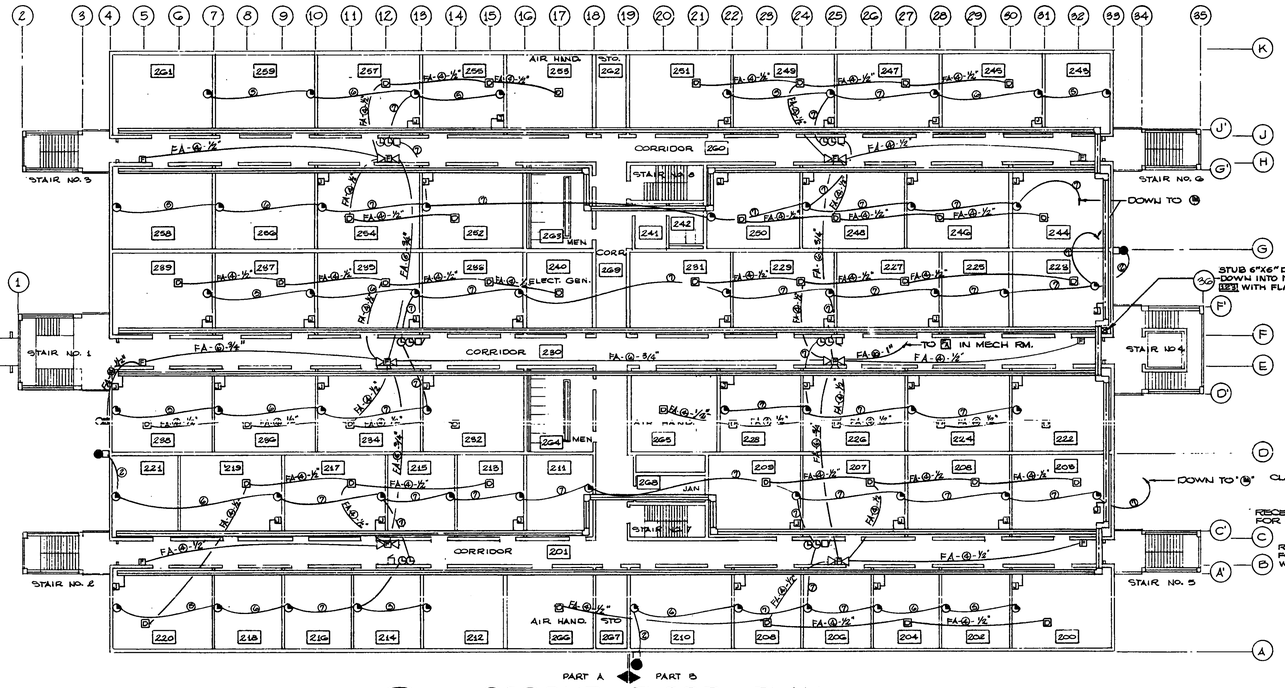
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER 55/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
		REVISED IN GENERAL	19 NOV 65	E.C.P.



PART A ◀▶ PART B

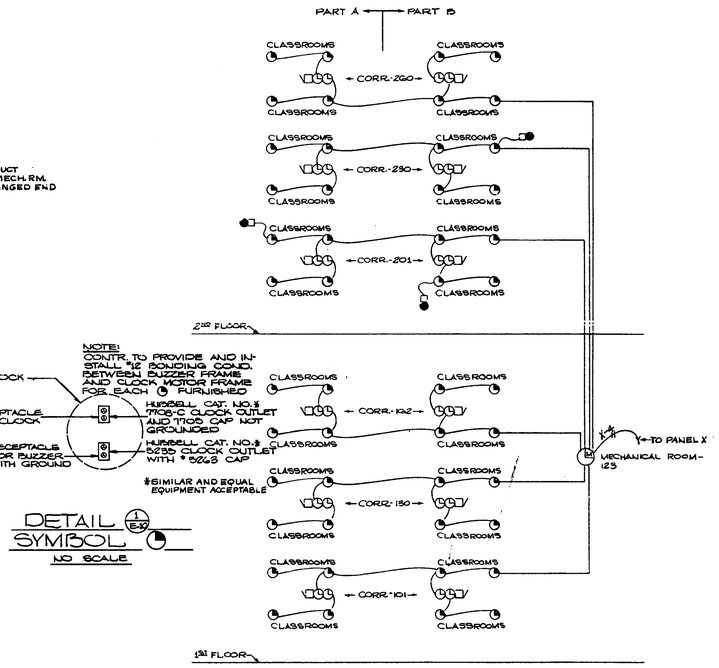
SECOND FLOOR PLAN

SCALE 1/16" = 1'-0"

PART A ◀▶ PART B

FIRST FLOOR PLAN

SCALE 1/16" = 1'-0"

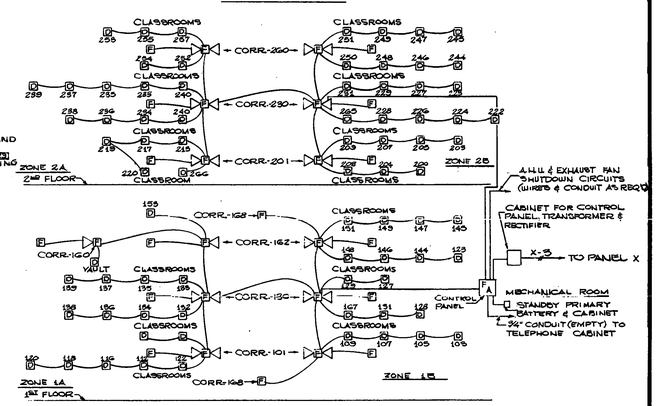


DETAIL SYMBOL

NO SCALE

CLOCK AND PROGRAM SYSTEM RISER DIAGRAM

NO SCALE



FIRE ALARM SYSTEM RISER DIAGRAM

NO SCALE

GRAPHIC SCALE

10 10 20 30 40 50

1/16" = 1'-0"

RECORD DRAWING

DATE 1-27-67

SHEET REF. NO. 56 OF 59

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS — DISTRICT PUBLIC WORKS OFFICE — 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES HO / DR AW / CHK LW/TT	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66
SUPV LW/TT / CH ENGR	COMMUNICATIONS
SUBMITTED BY / DATE	
FIRM MEMBER (TITLE) OWNER OFFICE	
DPWO / MGR / DIR / RVD	
APPROVED / DATE / SIGNATURE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109548
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS / DATE	
DPWO FOR CHIEF OF BUREAU	SCALE 1/16"=1'-0" — SPEC 7E8B8, 6GN8y 7E8B8 — SHEET 56 OF 59

P/O

BIL-6027 6902-1

DRAWING NUMBER

56/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED

PANEL A — 100A3Φ4W FLUSH 277/480 VOLTS

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	LIGHTS	2500	1	20
2	LIGHTS	2500	1	20
3	LIGHTS	2500	1	20
4	LIGHTS	2250	1	20
5	LIGHTS	1800	1	20
6	LIGHTS	2250	1	20
7	LIGHTS	650	1	20
8	LIGHTS	2500	1	20
9	LIGHTS	2500	1	20
10	LIGHTS	1725	1	20
11	LIGHTS	1800	1	20
12	LIGHTS	2025	1	20
13	LIGHTS	2225	1	20
14	LIGHTS	650	1	20
15	SPARE	2000	1	20
16	SPARE	2000	1	20
17	SPARE	2000	1	20
18	SPARE	2000	1	20
19	SPARE	2000	1	20
20	SPARE	2000	1	20
	TOTAL	40 KW		
	BREAKER CLASS 2a			

PANEL B — 100A3Φ4W FLUSH 277/480 VOLTS

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	LIGHTS	2175	1	20
2	LIGHTS	2175	1	20
3	LIGHTS	1600	1	20
4	LIGHTS	2500	1	20
5	LIGHTS	1800	1	20
6	LIGHTS	1475	1	20
7	LIGHTS	650	1	20
8	LIGHTS	2500	1	20
9	LIGHTS	2500	1	20
10	LIGHTS	1725	1	20
11	LIGHTS	2500	1	20
12	LIGHTS	2500	1	20
13	LIGHTS	2500	1	20
14	LIGHTS	1450	1	20
15	LIGHTS	1700	1	20
16	SPARE	2000	1	20
17	SPARE	2000	1	20
18	SPARE	2000	1	20
19	SPARE	2000	1	20
20	SPARE	2000	1	20
	TOTAL	47 KW		
	BREAKER CLASS 2a			

PANEL C — 100A3Φ4W FLUSH 277/480 VOLTS

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	LIGHTS	2500	1	20
2	LIGHTS	2500	1	20
3	LIGHTS	2500	1	20
4	LIGHTS	2500	1	20
5	LIGHTS	1150	1	20
6	LIGHTS	1725	1	20
7	LIGHTS	1500	1	20
8	LIGHTS	2750	1	20
9	LIGHTS	1725	1	20
10	LIGHTS	1725	1	20
11	LIGHTS	2500	1	20
12	LIGHTS	2500	1	20
13	LIGHTS	2500	1	20
14	SPARE	2000	1	20
15	SPARE	2000	1	20
16	SPARE	2000	1	20
17	SPARE	2000	1	20
18	SPARE	2000	1	20
19	SPARE	2000	1	20
20	SPARE	2000	1	20
	TOTAL	41 KW		
	BREAKER CLASS 2a			

PANEL D — 100A3Φ4W FLUSH 277/480 VOLTS

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	LIGHTS	2500	1	20
2	LIGHTS	2500	1	20
3	LIGHTS	2500	1	20
4	LIGHTS	2500	1	20
5	LIGHTS	2000	1	20
6	LIGHTS	1875	1	20
7	LIGHTS	2225	1	20
8	LIGHTS	1850	1	20
9	LIGHTS	1800	1	20
10	LIGHTS	1725	1	20
11	LIGHTS	2000	1	20
12	LIGHTS	2500	1	20
13	LIGHTS	2000	1	20
14	LIGHTS	1500	1	20
15	LIGHTS	1600	1	20
16	SPARE	2000	1	20
17	SPARE	2000	1	20
18	SPARE	2000	1	20
19	SPARE	2000	1	20
20	SPARE	2000	1	20
	TOTAL	41 KW		
	BREAKER CLASS 2a			

PANEL E — 100A3Φ4W FLUSH 277/480 VOLTS

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	LIGHTS	2500	1	20
2	LIGHTS	2500	1	20
3	LIGHTS	2500	1	20
4	LIGHTS	2500	1	20
5	LIGHTS	2500	1	20
6	LIGHTS	1725	1	20
7	LIGHTS	1500	1	20
8	LIGHTS	2500	1	20
9	LIGHTS	2500	1	20
10	LIGHTS	2500	1	20
11	LIGHTS	2500	1	20
12	LIGHTS	2500	1	20
13	LIGHTS	2500	1	20
14	LIGHTS	650	1	20
15	SPARE	2000	1	20
16	SPARE	2000	1	20
17	SPARE	2000	1	20
18	SPARE	2000	1	20
19	SPARE	2000	1	20
20	SPARE	2000	1	20
	TOTAL	40 KW		
	BREAKER CLASS 2a			

PANEL F — 100A3Φ4W FLUSH 277/480 VOLTS

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	LIGHTS	2500	1	20
2	LIGHTS	2500	1	20
3	LIGHTS	2500	1	20
4	LIGHTS	2500	1	20
5	LIGHTS	2500	1	20
6	LIGHTS	2500	1	20
7	LIGHTS	1500	1	20
8	LIGHTS	2500	1	20
9	LIGHTS	1800	1	20
10	LIGHTS	2000	1	20
11	LIGHTS	2500	1	20
12	LIGHTS	1800	1	20
13	LIGHTS	1725	1	20
14	LIGHTS	650	1	20
15	SPARE	2000	1	20
16	SPARE	2000	1	20
17	SPARE	2000	1	20
18	SPARE	2000	1	20
19	SPARE	2000	1	20
20	SPARE	2000	1	20
	TOTAL	40 KW		
	BREAKER CLASS 2a			

PANEL LC* — 225A3Φ4W FLUSH 120/208 VOLTS

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	RECEPT.	1000	1	20
2	RECEPT.	1000	1	20
3	RECEPT.	1000	1	20
4	RECEPT.	1000	1	20
5	RECEPT.	1000	1	20
6	RECEPT.	1000	1	20
7	RECEPT.	1000	1	20
8	RECEPT.	1000	1	20
9	RECEPT.	1000	1	20
10	RECEPT.	1000	1	20
11	RECEPT.	1000	1	20
12	RECEPT.	1000	1	20
13	RECEPT.	1000	1	20
14	RECEPT.	1000	1	20
15	RECEPT.	1000	1	20
16	RECEPT.	1000	1	20
17	RECEPT.	1000	1	20
18	RECEPT.	1000	1	20
19	RECEPT.	1000	1	20
20	RECEPT.	1000	1	20
21	RECEPT.	1000	1	20
22	RECEPT.	1000	1	20
23	RECEPT.	1000	1	20
24	RECEPT.	1000	1	20
25	RECEPT.	1000	1	20
26	RECEPT.	1000	1	20
27	RECEPT.	1000	1	20
28	RECEPT.	1000	1	20
29	RECEPT.	1000	1	20
30	RECEPT.	1000	1	20
31	RECEPT.	1000	1	20
32	RECEPT.	1000	1	20
33	RECEPT.	1000	1	20
34	RECEPT.	1000	1	20
35	RECEPT.	1000	1	20
36	LIGHTS	500	1	20
37	RECEPT.	1000	1	20
38	RECEPT.	1000	1	20
39	LIGHTS	600	1	20
40	RECEPT.	1000	1	20
41	RECEPT.	1000	1	20
42	RECEPT.	1000	1	20
	TOTAL	48 KW		

PANEL X* — 100A3Φ4W SURFACE 120/208 VOLTS

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	EXIT LIGHTS	650	1	20
2	EXIT LIGHTS	400	1	20
3	FA SYSTEM	1000	1	20
4	CLOCK SYSTEM	400	1	20
5	SPARE	1000	1	20
6	SPARE	1000	1	20
7	SPARE	1000	1	20
8	SPARE	1000	1	20
	TOTAL	6450		

PANEL LD* — 100A3Φ4W SURFACE 120/208 VOLTS

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	LIGHTS	1150	1	20
2	RECEPT.	1000	1	20
3	MECH. EQUIP.	1000	1	20
4	BOILER CONTROLS	2000	2	20
5	CONTR. AIR COMP	1000	1	20
6	LIGHTS	600	1	20
7	EXHAUST FAN	1000	3	20
8	OUTDOOR LIGHTS	1800	3	20
9	SPARE	1000	1	20
10	SPARE	1000	1	20
11	SPARE	1000	1	20
12	SPARE	1000	1	20
	TOTAL	15 KW		

PANEL LA* SECTION I — 225A3Φ4W DBL SECTION FLUSH 120/208 V.

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	RECEPT.	1000	1	20
2	RECEPT.	1000	1	20
3	LIGHTS	1400	1	20
4	RECEPT.	1000	1	20
5	RECEPT.	1000	1	20
6	RECEPT.	1000	1	20
7	RECEPT.	1000	1	20
8	RECEPT.	1000	1	20
9	RECEPT.	1000	1	20
10	RECEPT.	1000	1	20
11	RECEPT.	1000	1	20
12	RECEPT.	1000	1	20
13	RECEPT.	1000	1	20
14	RECEPT.	1000	1	20
15	RECEPT.	1000	1	20
16	RECEPT.	1000	1	20
17	RECEPT.	1000	1	20
18	LIGHTS	600	1	20
19	RECEPT.	1000	1	20
20	RECEPT.	1000	1	20
21	RECEPT.	1000	1	20
22	RECEPT.	1000	1	20
23	RECEPT.	1000	1	20
24	RECEPT.	1000	1	20
25	RECEPT.	1000	1	20
26	RECEPT.	1000	1	20
27	RECEPT.	1000	1	20
28	RECEPT.	1000	1	20
29	RECEPT.	1000	1	20
30	RECEPT.	1000	1	20
31	RECEPT.	1000	1	20
32	RECEPT.	1000	1	20
33	RECEPT.	1000	1	20
34	RECEPT.	1000	1	20
35	LIGHTS	500	1	20
36	RECEPT.	1000	1	20
37	RECEPT.	1000	1	20
38	RECEPT.	1000	1	20
39	LIGHTS	600	1	20
40	RECEPT.	1000	1	20
41	RECEPT.	1000	1	20
42	RECEPT.	1000	1	20

LA* SECTION II — 225A3Φ4W FLUSH

CIR. NO.	LOAD	WATTS	POLES	AMPS
43	RECEPT.	1000	1	20
44	RECEPT.	1000	1	20
45	RECEPT.	1000	1	20
46	SPARE	1000	1	20
47	RECEPT.	1000	1	20
48	RECEPT.	1000	1	20
49	RECEPT.	1000	1	20
50	RECEPT.	1000	1	20
51	RECEPT.	1000	1	20
52	LIGHTS	600	1	20
53	RECEPT.	1000	1	20
54	RECEPT.	1000	1	20
55	RECEPT.	1000	1	20
56	RECEPT.	1000	1	20
57	RECEPT.	1000	1	20
58	RECEPT.	600	1	20
59	RECEPT.	1000	1	20
60	RECEPT.	1000	1	20
61	RECEPT.	1000	1	20
62	LIGHTS	600	1	20
63	RECEPT.	1000	1	20
64	RECEPT.	1000	1	20
65	RECEPT.	1000	1	20
66	RECEPT.	1000	1	20
67	RECEPT.	1000	1	20
68	RECEPT.	600	1	20
69	RECEPT.	1000	1	20
70	RECEPT.	1000	1	20
71	RECEPT.	2000	3	20
72	RECEPT.	2000	3	20
73	RECEPT.	2000	3	20
74	RECEPT.	1000	1	20
75	RECEPT.	1000	1	20
76	RECEPT.	1000	1	20
77	SPARE	1000	1	20
78	SPARE	1000	1	20
	TOTAL	78 KW		

LB* SECTION I — 225A3Φ4W DBL SECTION FLUSH 120/208 V.

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	LIGHTS	1150	1	20
2	RECEPT.	1000	1	20
3	RECEPT.	1000	1	20
4	RECEPT.	1000	1	20
5	RECEPT.	1000	1	20
6	LIGHTS	1000	1	20
7	RECEPT.	1000	1	20
8	RECEPT.	1000	1	20
9	RECEPT.	1000	1	20
10	RECEPT.	1000	1	20
11	RECEPT.	1000	1	20
12	RECEPT.	1000	1	20
13	RECEPT.	1000	1	20
14	RECEPT.	1000	1	20
15	RECEPT.	1000	1	20
16	RECEPT.	1000	1	20
17	RECEPT.	1000	1	20
18	LIGHTS	600	1	20
19	LIGHTS	1000	1	20
20	RECEPT.	1000	1	20
21	RECEPT.	1000	1	20
22	RECEPT.	1000	1	20
23	RECEPT.	1000	1	20
24	RECEPT.	1000	1	20
25	RECEPT.	1000	1	20
26	RECEPT.	1000	1	20
27	RECEPT.	1000	1	20
28	RECEPT.	1000	1	20
29	RECEPT.	1000	1	20
30	RECEPT.	1000	1	20
31	RECEPT.	1000	1	20
32	RECEPT.	1000	1	20
33	RECEPT.	1000	1	20
34	RECEPT.	1000	1	20
35	RECEPT.	1000	1	20
36	RECEPT.	1000	1	20
37	RECEPT.	1000	1	20
38	RECEPT.	1000	1	20
39	RECEPT.	1000	1	20
40	RECEPT.	1000	1	20
41	RECEPT.	1000	1	20
42	RECEPT.	1000	1	20

LB* SECTION II — 225A3Φ4W FLUSH

CIR. NO.	LOAD	WATTS	POLES	AMPS
43	RECEPT.	1000	1	20
44	RECEPT.	1000	1	20
45	RECEPT.	1000	1	20
46	RECEPT.	1000	1	20
47	RECEPT.	1000	1	20
48	RECEPT.	1000	1	20
49	RECEPT.	1000	1	20
50	RECEPT.	1000	1	20
51	RECEPT.	1000	1	20
52	RECEPT.	1000	1	20
53	RECEPT.	1000	1	20
54	RECEPT.	1000	1	20
55	RECEPT.	1000	1	20
56	RECEPT.	1000	1	20
57	RECEPT.	1000	1	20
58	RECEPT.	1000	1	20
59	RECEPT.	1000	3	20
60	RECEPT.	1000	3	20
61	RECEPT.	1000	3	20
62	RECEPT.	1000	3	20
63	RECEPT.	2000	3	20
64	RECEPT.	2000	3	20
65	RECEPT.	2000	3	20
66	RECEPT.	2000	3	20
67	SPARE	1000	1	20
68	SPARE	1000	1	20
69	SPARE	1000	1	20
70	SPARE	1000	1	20
71	SPARE	1000	1	20
72	SPARE	1000	1	20
	TOTAL	75 KW		
	BREAKER CLASS 2d			

PANEL DPA — 800A3Φ4W SURFACE 120/208 VOLTS

CIR. NO.	LOAD	BKR. CLASS	POLES	AMPS
1	BUS DUCT #601	4b	3	400
2	BUS DUCT #602	3a	3	225
3	BUS DUCT #603	4b	3	400
4	BUS DUCT #604	4b	3	400
5	BUS DUCT #610	4b	3	400
6	BUS DUCT #611	4b	3	400
7	BUS DUCT #612	4b	3	400
8	BUS DUCT #613	3a	3	225
9	BUS DUCT #614	3a	3	225
10	PANEL LB	3a	3	125
11	PANEL LC	3a	3	125
12	SPARE	3a	3	225
13	SPACE	4b	3	

PANEL DPB — 800A3Φ4W SURFACE 120/208 VOLTS

CIR. NO.	LOAD	BKR. CLASS	POLES	AMPS
1	BUS DUCT #605	4b	3	400
2	BUS DUCT #606	3a	3	225
3	BUS DUCT #607	3a	3	225
4	BUS DUCT #608	4b	3	400
5	BUS DUCT #609	4b	3	400
6	BUS DUCT #615	4b	3	400
7	BUS DUCT #616	4b	3	400
8	BUS DUCT #617	4b	3	400
9	BUS DUCT #618	4b	3	400
10	BUS DUCT #619	4b	3	400
11	BUS DUCT #620	4b	3	400
12	PANEL LA	3a	3	150
13	PANEL LD	2d	3	50
14	SPARE	4b	3	150
15	SPACE	4b	3	
16	SPACE	2d	3	

PANEL DPC — 800A3Φ3W SURFACE 125 VOLTS

CIR. NO.	LOAD	BKR. CLASS	POLES	AMPS
1	400~ GEN.	3a	3	225
2	400~ GEN.	3a	3	225
3	D.C. GEN.	3a	3	70
4	D.C. GEN.	3a	3	70
5	SPARE	3a	3	225
6	SPARE	3a	3	70

PANEL DPD — 600A3Φ4W SURFACE 120/208 VOLTS 400~

CIR. NO.	LOAD	BKR. CLASS	POLES	AMPS
1	BUS DUCT #410	4b	3	400
2	BUS DUCT #411	4b	3	400
3	BUS DUCT #412	4b	3	400
4	BUS DUCT #413	3a	3	225
5	BUS DUCT #414	3a	3	225
6	BUS DUCT #415	4b	3	400
7	BUS DUCT #416	4b	3	400
8	BUS DUCT #417	4b	3	400
9	BUS DUCT #418	4b	3	400
10	BUS DUCT #419	4b	3	400
11	BUS DUCT #420	4b	3	400
	SPARE	4b	3	400
	SPACE	4b	3	

PANEL DPE — 600A3Φ4W SURFACE 120/208 VOLTS 400~

CIR. NO.	LOAD	BKR. CLASS	POLES	AMPS
1	BUS DUCT #401	4b	3	400
2	BUS DUCT #402	3a	3	225
3	BUS DUCT #403	4b	3	400
4	BUS DUCT #404	4b	3	400
5	BUS DUCT #405	4b	3	400
6	BUS DUCT #406	3a	3	225
7	BUS DUCT #407	3a	3	225
8	BUS DUCT #408	4b	3	400
9	BUS DUCT #409	4b	3	400
	SPARE	4b	3	400
	SPACE	4b	3	

PANEL DPF — 600A2W SURFACE 28 VOLTS D.C.

CIR. NO.	LOAD	BKR. CLASS	POLES	AMPS
1	BUS DUCT #DC-10	4b	2	400
2	BUS DUCT #DC-11	4b	2	400
3	BUS DUCT #DC-12	4b	2	400
4	BUS DUCT #DC-13	3a	2	225
5	BUS DUCT #DC-14	3a	2	225
6	BUS DUCT #DC-15	4b	2	400
7	BUS DUCT #DC-16	4b	2	400
8	BUS DUCT #DC-17	4b	2	400
9	BUS DUCT #DC-18	4b	2	400
10	BUS DUCT #DC-19	4b	2	400
11	BUS DUCT #DC-20	4b	2	400
	SPARE	4b	2	400
	SPACE	4b	2	

PANEL DPG — 900A2W SURFACE 28 VOLTS

CIR. NO.	LOAD	BKR. CLASS	POLES	AMPS
1	BUS DUCT #DC-1	4b	2	400
2	BUS DUCT #DC-2	3a	2	225
3	BUS DUCT #DC-3	4b	2	400
4	BUS DUCT #DC-4	4b	2	400
5	BUS DUCT #DC-5	4b	2	400
6	BUS DUCT #DC-6	3a	2	225
7	BUS DUCT #DC-7	3a	2	225
8	BUS DUCT #DC-8	4b	2	400
9	BUS DUCT #DC-9	4b	2	400
	SPARE	4b	2	400
	SPACE	4b	2	

NOTE:
1. ALL PANELS (*) SO MARKED SHALL HAVE CLASS 2b OR 2c BREAKERS.
2.

60~A.C.* TYPICAL C.P. PANEL — 225A3Φ4W SURFACE 120/208 VOLTS

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	WIREWAY	12000	3	70
2	WIREWAY	10000	3	50
3	WIREWAY	4000	3	50
4	WIREWAY	2000	2	50
5	WIREWAY	2000	2	50
6	WIREWAY	2000	2	50
7	WIREWAY	2000	2	50
8	WIREWAY	2000	2	50
9	WIREWAY	2000	2	50
10	WIREWAY	2000	2	50
11	RECEPT.	1200	2	50
12	WIREWAY	2000	2	50
13	SPACE	1000	1	20
14	SPACE			
15	SPACE			
16	SPACE			
17	SPACE			
18	SPACE			
19	SPACE			
20	SPACE			
21	SPACE			

28V D.C.* TYPICAL C.P. PANEL — 100A 2WIRE SURFACE 28 VOLTS D.C.

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	WIREWAY	600	2	50
2	WIREWAY	600	2	50
3	WIREWAY	600	2	50
4	WIREWAY	600	2	50
5	WIREWAY	600	2	50
6	SPACE	1000	1	20
7	SPACE			
8	SPACE			
9	SPACE			
10	SPACE			
11	SPACE			
12	SPACE			
13	SPACE			

400~A.C.* TYPICAL C.P. PANEL — 100A 3Φ4W SURFACE 120/208 VOLTS 400~

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	WIREWAY	12000	3	70
2	WIREWAY	10000	3	50
3	WIREWAY	4000	3	50
4	WIREWAY	2000	2	50
5	WIREWAY	2000	2	50
6	SPACE	1000	1	20
7	SPACE			
8	SPACE			
9	SPACE			
10	SPACE			
11	SPACE			
12	SPACE			
13	SPACE			
14	SPACE			

PANEL PA — 225A3Φ3W SURFACE 277/480 VOLTS

CIR. NO.	LOAD	WATTS	POLES	AMPS
1	DUCT HEATER #1	7000	3	20
2	DUCT HEATER #2	7000	3	20
3	DUCT HEATER #3	6000	3	40
4	DUCT HEATER #4	6000	3	40
5	DUCT HEATER #5	5000	3	20
6	DUCT HEATER #6	7000	3	20
7	DUCT HEATER #7	6000	3	20
8	DUCT HEATER #8	7000	3	20
9	DUCT HEATER #9	6000	3	20
10	DUCT HEATER #10	5000	3	20
11	DUCT HEATER #11	6000	3	20
12	SPARE		3	20
13	SPARE		3	20
14	SPARE		3	20

RECORD DRAWING
DATE 1-29-69

SHEET ELE. NO.
E 11

R. W. NAEF & ASSOC.
ARCHITECTS & ENGINEERS

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.

KEESLER AIR FORCE BASE
BILOXI, MISSISSIPPI
NEW, TRAINING GENERAL (DFRP)
FACILITY FY-66

CIRCUIT SCHEDULE

DES HO | DR JL | CHK LW/TT
SURV LW/TT | CH ENGR
SUBMITTED BY — DATE
FIRM MEMBER (TITLE) OWNER 17/66
DPWO MGR — RVD DIR
APPROVED — DATE 9/19/66
OFFICER IN CHARGE
APPROVED FOR BUDOCKS — DATE
DPWO FOR CHIEF OF BUREAU

CODE IDENT No. 80091 | SIZE F | Y & D DRAWING No. 1109349
SCALE NONE | SPEC 75898/66 NBy 75856 | SHEET 57 OF 59

P/O

BTL-6027 6902-1

DRAWING NUMBER

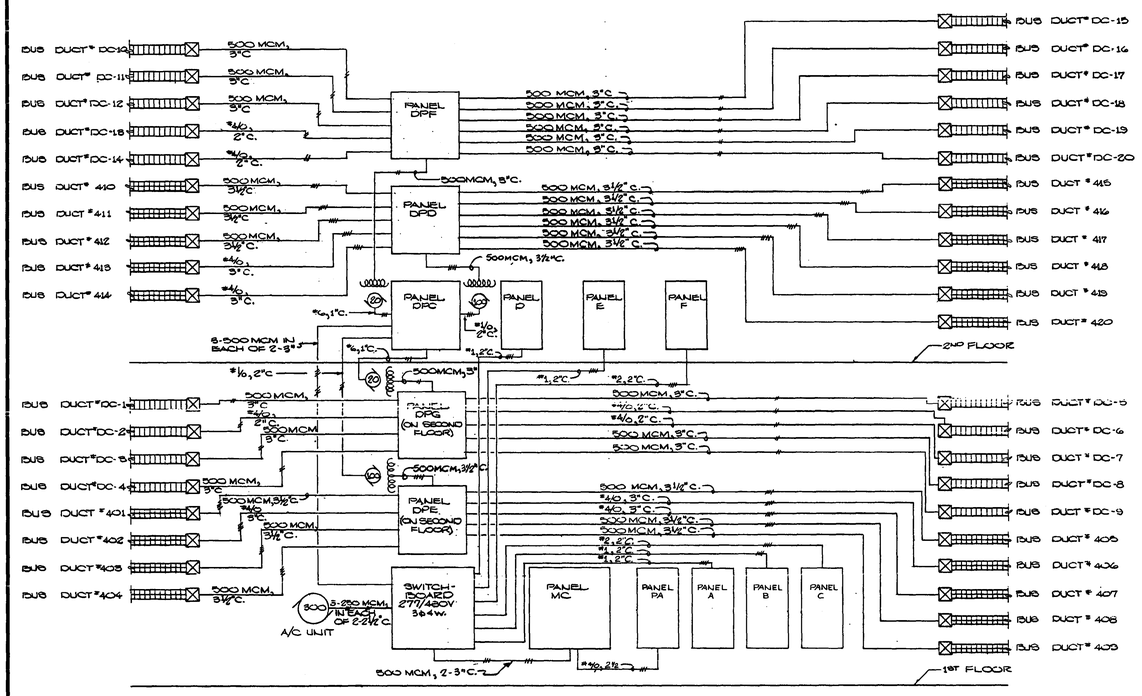
DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

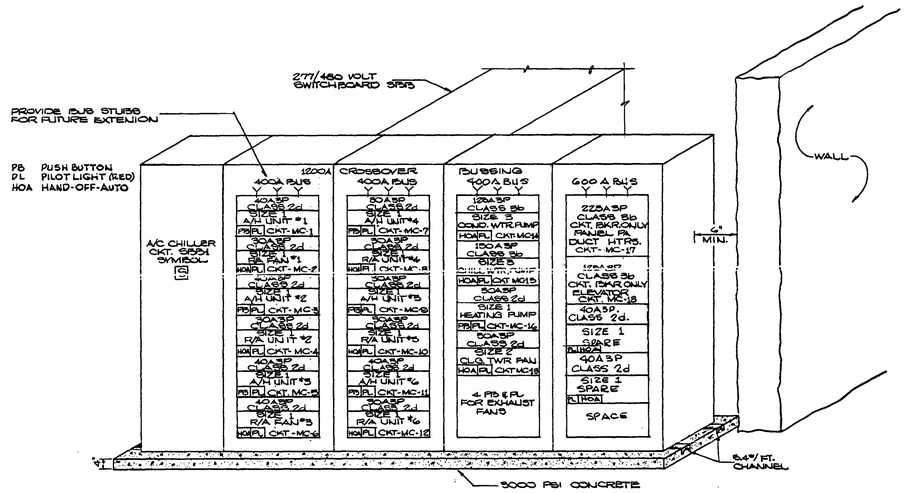
57/59

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



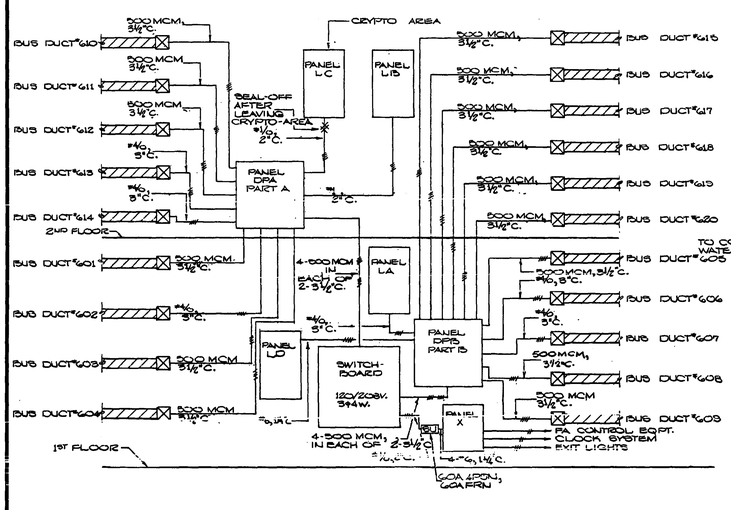
POWER SYSTEM RISER 28 VOLT DC, 400 CYCLE A C

NO SCALE



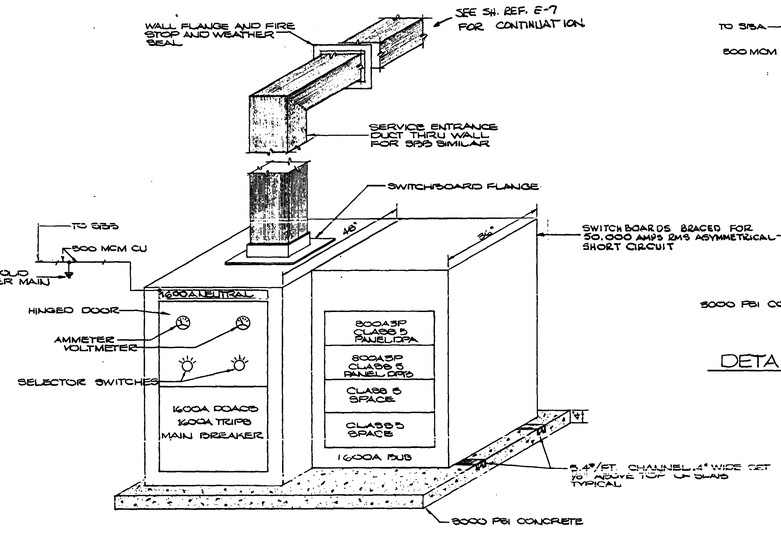
DETAIL 1/E-12 PANEL MC

NO SCALE



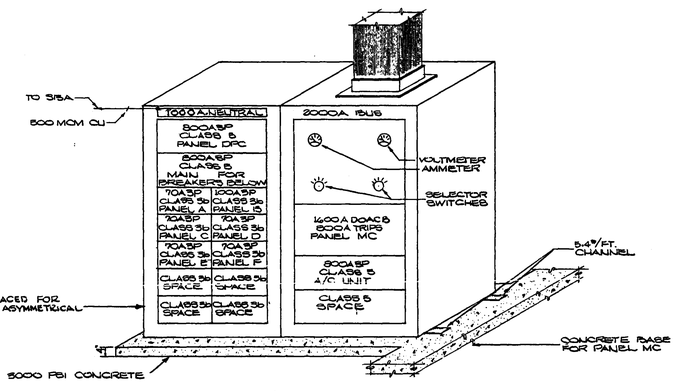
POWER SYSTEM RISER 60 CYCLE AC

NO SCALE



DETAIL 3/E-12 ELEVATION AT SWITCHBOARD SB3A

NO SCALE



DETAIL 2/E-12 ELEVATION AT SWITCHBOARD SB3B

NO SCALE

RECORD DRAWING
DATE 1-29-69

SHEET REF. Nº 11 12

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.	
DES HO / DR JL / CHK LWTT	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66	
SUPV LWTT / CH ENGR		
SUBMITTED BY / DATE	SWITCHBOARD DETAILS	
FIRM MEMBER (TITLE) / DATE		
DPWO / RVD		
MGR / DIR		
APPROVED / DATE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109350	
OFFICER IN CHARGE		
APPROVED FOR BUDOCKS / DATE		
DPWO FOR CHIEF OF BUREAU	SCALE NONE — SPEC 75858/66 NB/75858 — SHEET 58 OF 60	

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

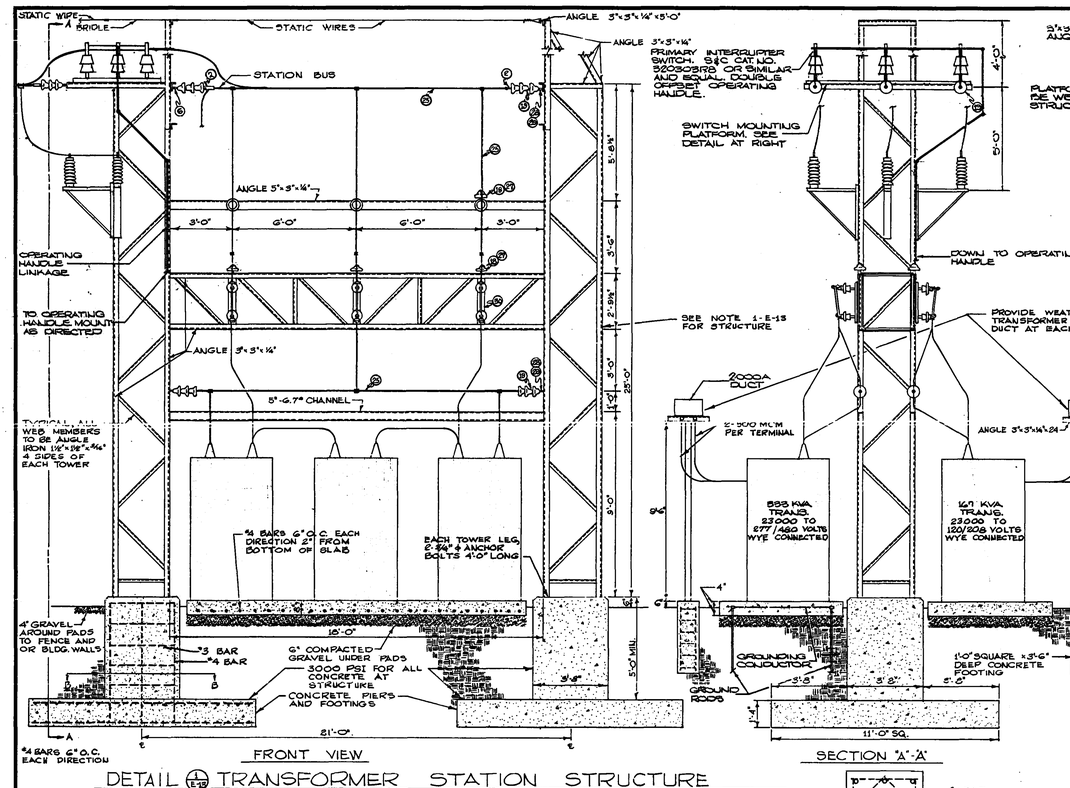
DRAWING NUMBER

58/59

P/O

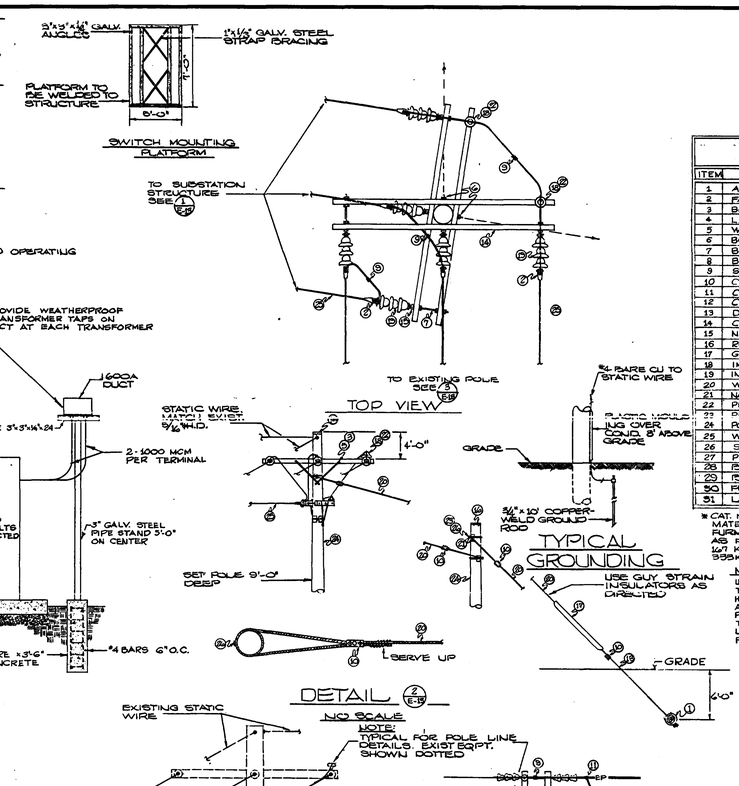
BTL-6027 6902-1

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
1		AS-BUILT	1/27/69	



DETAIL 1/E-13 TRANSFORMER STATION STRUCTURE

NO SCALE



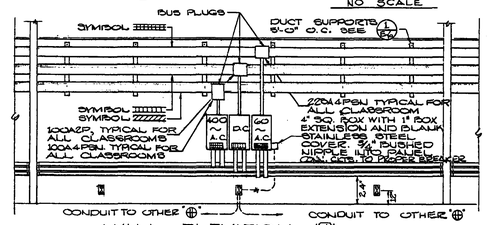
POLE LINE MATERIALS

ITEM	DESCRIPTION	SIZE	CAT. NO.*
1	ANCHOR, DEAD MAN, CREOSOTED PINE	8"x4'	
2	PARGO DEAD END, CU.	#2AWG	DK3B5
3	BOLT, CARRIAGE	3/8"x4½"	DF1C4½
4	LAG SCREW	½"x4"	DF7L4
5	WASHER, ROUND	3/8" BOLT	DF3W1
6	BOLT, EYE	3/8"x10"	DF2E4
7	BOLT, DOUBLE ARMING	18"	DF2D18
8	BRACE, CROSSARM	1¼"x28"	DB2F5
9	SPLIT BOLT CONNECTOR, CU TO CU.	#2AWG	DK5B1
10	CLAMP, GUY, 3 BOLT HEAVY DUTY	6"	DG3C3
11	CLAMP, HOT LINE	#2CU.	XK9C
12	CLAMP, STIRRUP	#2CU.	ST:2
13	DOUBLE THIMBLE EYE ANCHOR ROD	3/4"x8'	DA2D9
14	CROSSARM, UNTREATED FIR, 6 PIN, FOR STEEL PINS	10'	
15	NUT, EYE	3/8" BOLT	DG2E3
16	ROOF, POLE 20GA. ALUM.		
17	GUARD GUY	8" x 10'-0"	DD2G2
18	INSULATOR, PIN TYPE	25KV	NP2F4
19	INSULATOR, STRAIN, CLEVIS EYE	25KV	NS2A2
20	WIRE, GUY, 7 STRAND	7/16" HS	
21	NAIL		
22	PIN, INSULATOR, STEEL	1¾" PIN	DP6B3
23	PLATE, STRAIN	2"x4"	DD2H3
24	POLE, CREOSOTED PINE	AS SHOWN	
25	WIRE, BND. #2 AWG		
26	SCREW, LAG	5/8"x4"	DF8L4
27	PIN, INSULATOR, STEEL CROSSARM	1¾" PIN	DP6B3
28	BOLT, EYE	5/8" BOLT	DC2E2
29	BOLT, MACHINE	5/8"	DF5B8
30	FUSED DISCONNECT SWITCH	200 AMP	FP1B5
31	LIGHTNING ARRESTOR	25KV	AL2A2B

* CAT. NOS. ARE THOSE OF LINE MATERIALS. SIMILAR AND EQUAL MATERIALS ARE ACCEPTABLE.
FURNISH PRIMARY DISCONNECT FUSE LINKS AS FOLLOWS: (2 SETS FOR EACH SWITCH)
167 KVA TRANS. – 10 AMPS
555 KVA TRANS. – 20 AMPS

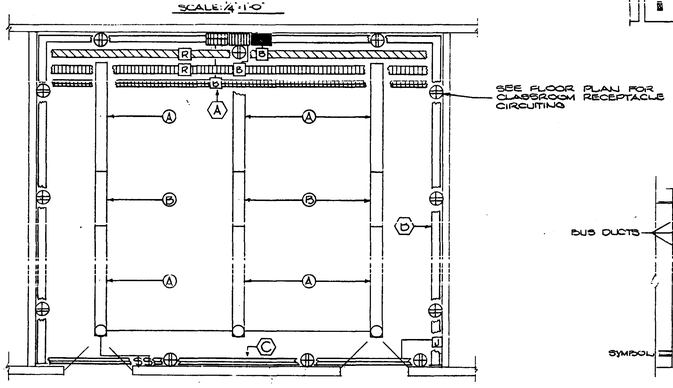
NOTE: 1-E-13

UNIT SUBSTATION STRUCTURE SHALL CONSIST OF PRE-DESIGNED AND FABRICATED LATTICE TYPE POLE COLUMNS AND MODIFICATIONS ASSEMBLED AS SHOWN ON THIS DRAWING WITH HORIZONTAL AND VERTICAL COLUMNS SO JOINED THAT REQUIRED MECHANICAL STRENGTH AND ELECTRICAL CONTINUITY IS MAINTAINED. VERTICAL COLUMNS SHALL HAVE BASE PLATES WELDED TO MEMBER WITH ANCHOR BOLTS. STRUCTURE SHALL BE DESIGNED TO SAFELY CARRY THE PRIMARY DEAD END LINE TENSION WITH 100 MPH WIND LOADING. SHALL BE MADE FROM GALVANIZED STEEL COMPONENTS WITH FACTORY FINISH.



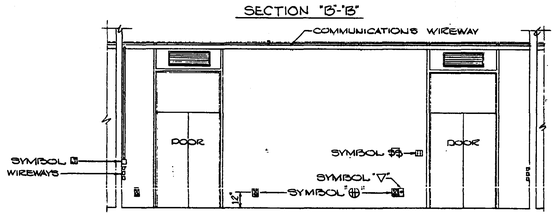
WALL ELEVATION A

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



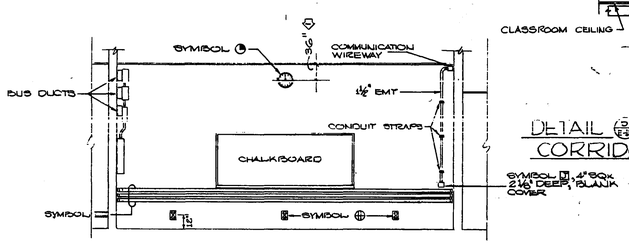
TYPICAL CLASSROOM FLOOR PLAN

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



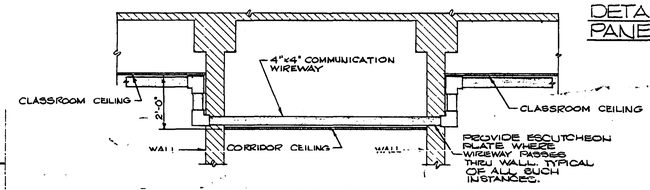
WALL ELEVATION C

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



WALL ELEVATION B

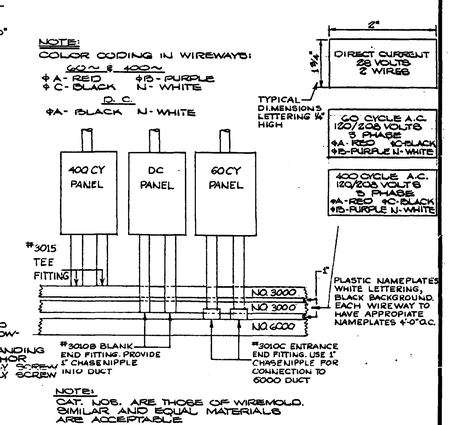
SCALE: 1/4" = 1'-0"



DETAIL 5/E-13 TYPICAL METHOD OF CROSSING CORRIDOR FOR COMMUNICATION WIREWAY

NO SCALE

NOTE:
COLOR CODING IN WIREWAYS:
60CY & 400CY
ϕA - RED ϕB - PURPLE
ϕC - BLACK N - WHITE
D.C.
ϕA - BLACK N - WHITE



MOUNT WIREWAYS TO WALL USING FOLLOWING METHODS:
1. CONCRETE - EXPANDING ANCHOR
7. DRY WALL - MOLLY SCREW
8. DRY WALL - MOLLY SCREW WITH INSUL.

NOTE:
CAT. NOS. ARE THOSE OF WIREMOLD. SIMILAR AND EQUAL MATERIALS ARE ACCEPTABLE.

DETAIL 4/E-13 TYPICAL CLASSROOM PANEL AND DUCT INSTALLATION

NO SCALE

DETAIL 3/E-13

NO SCALE

RECORD DRAWING
DATE 1-27-69

SHEET REF. NO. 12 1 33

R. W. NAEF & ASSOC. ARCHITECTS & ENGINEERS	DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE 8TH NAVAL DISTRICT — NEW ORLEANS 40, LA.
DES HO DR JL CHK LWW	KEESLER AIR FORCE BASE BILOXI, MISSISSIPPI NEW, TRAINING GENERAL (DFRP) FACILITY FY-66
SUPV LWW CH ENGR	DETAILS
SUBMITTED BY DATE	
FIRM MEMBER (TITLE) OWNER	
DPWO RD. MORE DIR	
APPROVED BY DATE	CODE IDENT No. 80091 — SIZE F — Y & D DRAWING No. 1109351
OFFICER IN CHARGE	
APPROVED FOR BUDOCKS DATE	SCALE NONES — SPEC 75858/Conby 75858 — SHEET 65 OF 65
DPWO FOR CHIEF OF BUREAU	

P/O

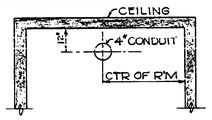
BTL-6027 6902-1

DRAWING NUMBER

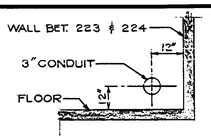
DRAWING NUMBER

DRAWING NUMBER

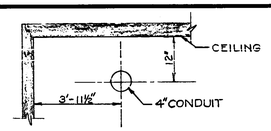
DRAWING NUMBER 59/59



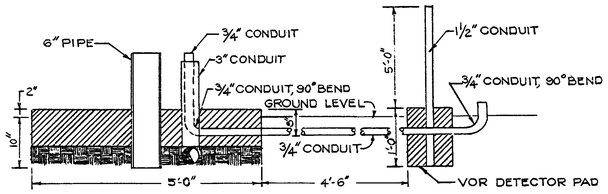
ROOM #244 - DETAIL "D"
NO SCALE



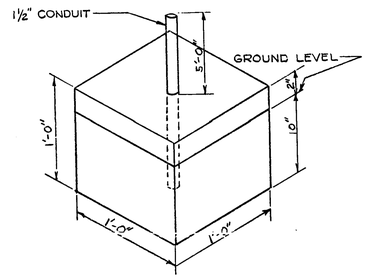
FLOOR ROOM #223 - DETAIL "E"
NO SCALE



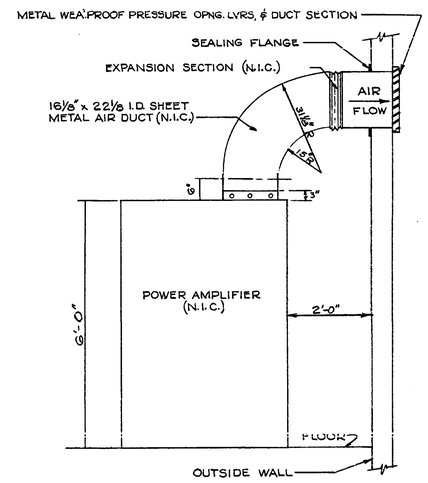
ROOMS 245 & 247 - DETAIL "H"
NO SCALE



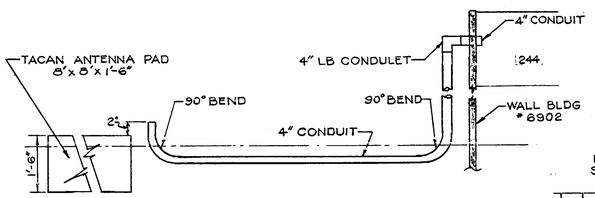
TVOR ANTENNA PAD - DETAIL "G"
NO SCALE



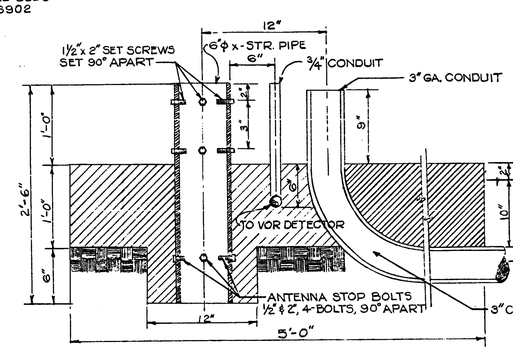
PAD FOR VOR DETECTOR - DETAIL "F"
NO SCALE



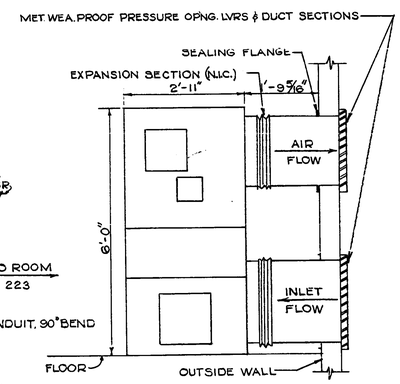
RIGHT ELEVATION - DETAIL "Q"
10 KW POWER AMPLIFIER AN/FRC-39A(V)
NO SCALE



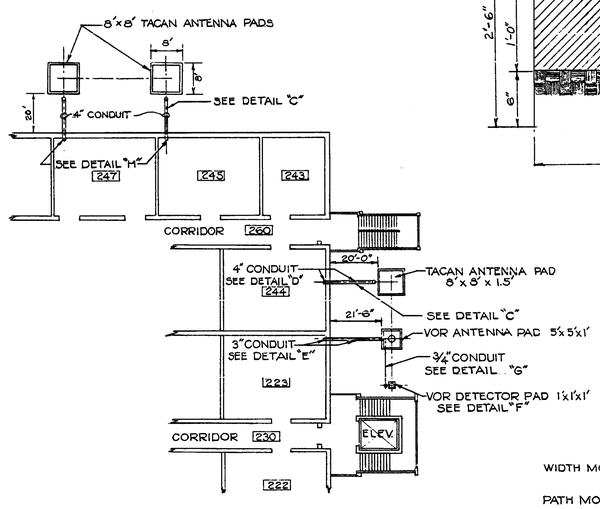
TVOR ANTENNA PAD - DETAIL "C"
NO SCALE



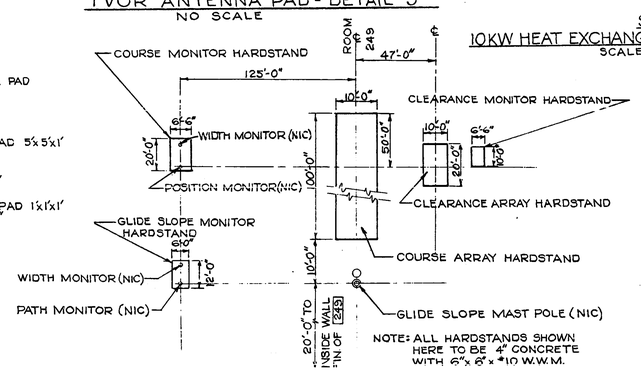
TVOR ANTENNA PAD - DETAIL "J"
NO SCALE



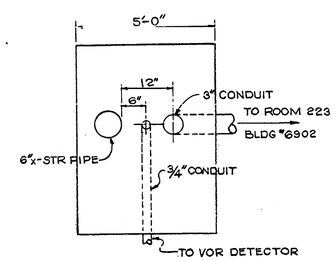
SIDE VIEW
10KW HEAT EXCHANGER AN/FRC 39A(V) - DETAIL "R"
SCALE: ¾" = 1'-0"



PARTIAL FLOOR PLAN
NO SCALE



PLAN VIEW - DETAIL "K"
NO SCALE



PLAN VIEW - DETAIL "L"
NO SCALE

REVISIONS

SYM	ZONE	DESCRIPTION	DATE	APPROVED

NOTES

1. Extend #12, Type TW branch circuit conductors in existing raceway and connect to new duplex convenience outlet. Number circuit as indicated.
2. Install seven 20/Amp, 1-Pole (Circuits 13, 14, 15, 16, 17, 18 & 19) branch circuit breakers in spaces provided in 60-cycle panelboard.
3. Install one-20 Amp., 1-pole (Circuit #13) branch circuit breaker in 60 cycle panelboard.
4. Install a 2-inch sleeve with insulated bushings as shown in details on Sheet No. 54.
5. Provide and install one 150 amp., 3-pole "J" frame plug-in into existing low impedance 60-cycle bus duct only.
6. Provide and install five 20 Amp., 1-pole and four 15 Amp., 1-pole branch circuit breakers in 60-cycle panelboard.
7. Provide and install eight 20 Amp., 1-pole circuit breakers in 60-cycle panelboard.
8. Provide and install a 4-wire, 3-phase, 120/208V., 100 Amp., surface-mounted, type MLO Panelboard with ten-15 Amp., 1-pole, "E" Frame breakers. Extend feeder from panelboard in power wireway and raceway by means of 4- #4, Type TW conductors in 1-1/2" conduit and connect to the 70 Amp., 3-pole circuit breaker #1 in 60-cycle panelboard.
9. Provide and install a 4-wire, 3-phase, 120/208V., 100 Amp., surface-mounted, type MLO Panelboard with 10-15 Amp., 1-pole, "E" Frame breakers. Extend feeder from panelboard in power wireway by means of 4- #6, type TW conductors in 1-1/2" conduit and connect to the 30 Amp., 3-pole circuit breaker #2 in 60 cycle panelboard.
10. Install three 20 Amp., 1-pole circuit breakers (#13, 14 & 15) in 60-cycle panelboard.
11. Install two 20 Amp, 1-pole circuit breakers (#13 & 14) in 60-cycle panelboard.
12. Extend circuit (2- #10 TW in 3/4" conduit) from 60-cycle panelboard to Junction box on laboratory bench.
13. Provide and install a 4-wire, 3-phase, solid neutral, 70 Amp., type MLO surface-mounted panelboard. Install 1-30 Amp., 1-pole and 1-20 Amp., 1-pole circuit breakers. Extend circuit #3 (4- #10, Type TW, 3/4" conduit) from 30 Amp., breaker in 60 cycle panelboard in room #145 to panelboard in Room #143.
14. Install four 20 Amp., 1-pole circuit breakers (#13, 14, 15 & 16) in 60-cycle panelboard.
15. Install six 20 Amp., 1-pole circuit breakers (#13, 14, 15, 16, 17 & 18) in 60 cycle panelboard.
16. Extend circuit #2 (4- #8, Type TW), from 400 cycle panelboard to 30 Amp., Safety Switch, mounted 4-feet above floor to bottom. Insert 1-15 Amp., 1-20 Amp., & 1-25 Amp dual element fusetron.
17. Extend circuit #3(4- #10, type TW) from 400 cycle panelboard to 30 Amp., safety switch mounted 4 feet to bottom. Insert 1-15 Amp., 1-20 Amp., & 1-25 Amp. dual element fusetron.
18. Provide and install a 70 Amp., 3-pole, "E" frame plug-in low impedance bus duct unit in 60 cycle existing bus duct.
19. Provide and install two 4 ft x 4 ft x 3/4-inch thick grade plywood backboard. Provide and install two 15 Amp., 1-pole circuit breaker in 60-cycle panelboard.
20. Install nine 20 Amp., 1-pole and one 15 Amp., 1-pole circuit breakers in 60-cycle panelboard.
21. Provide and install two 20 Amp., 1-pole and one 15 Amp., 1-pole circuit breakers in 60-cycle panelboard.
22. Provide and install three 20 Amp., 1-pole and one 15 Amp., 1-pole circuit breaker in 60-cycle panelboard.
23. Provide and install two 20 Amp., 1-pole and three 15 Amp, 1-pole circuit breakers in 60-cycle panelboard.
24. Provide and install one 30 Amp., 3-pole, two 20 Amp., 1-pole and four 15 Amp., 1-pole circuit breaker in 60-cycle panelboard.
25. Install one 15 Amp., 3-pole and one 15 Amp., 1-pole circuit breakers in 60-cycle panelboard.
26. BREAK WALL, INSERT METAL WEATHERPROOF OPNG LOUVERS & DUCT SECTION, SEALING FLANGE AND REPAIR WALL OPENING IN ROOM 257. SEE DETAILS "M", "Q" & "R"

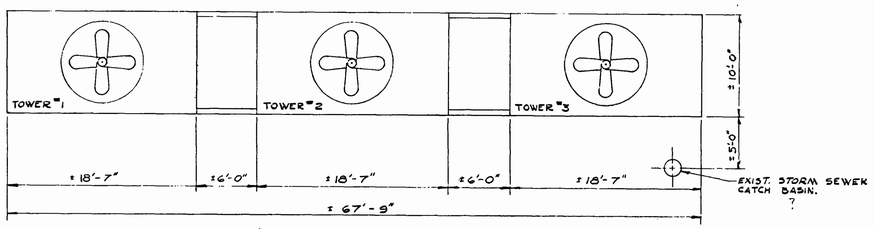
RECORD DRAWING
DATE 1-29-69

DES	DEPARTMENT OF THE NAVY — NAVAL FAC. ENGRG COMMAND
DR EVERETT F COGAN	GULF DIVISION, NEW ORLEANS, LA. 70140
CHK	KEESLER AIR FORCE BASE, BILOXI, MISSISSIPPI
SUPV	MOD. TO TRAINING GEN. BLDG. #6902
BR. HD.	FLOOR PLANS (PARTIAL), SECTIONS & DETAILS
DEPE	
OPLN DIV	
PROJ ENGR	
DIR ENGR	
APPROVED / DATE	SIZE F · CODE IDENT NO. 80091 · NAVFAC DRAWING NO. 1109352
EFD FOR COMMANDER, NAVFAC	CONST.-CONTR. NO.
	SCALE 3/8" = 1'-0" · SPEC 75.8.9.9 · SHEET 50 A OF 59

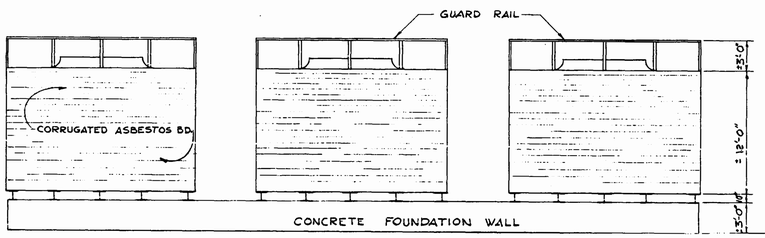
P/O

BIL-602-69021

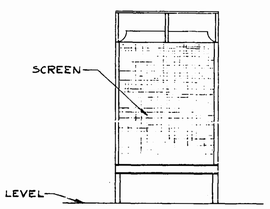
59A/59



(EXIST.) PLAN VIEW
3/16" = 1' - 0"



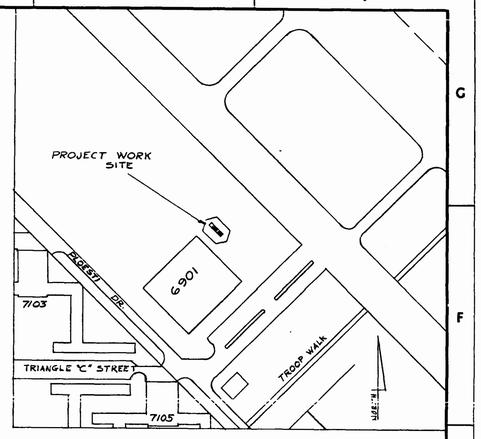
FRONT (EXIST.) ELEVATION
3/16" = 1' - 0"



SIDE ELEVATION
3/16" = 1' - 0"

GENERAL NOTES

1. REMOVE COOLING TOWERS 1 & 2.
2. INSTALL TWO NEW COOLING TOWERS IN SAME LOCATION.
3. CONNECT NEW TOWERS TO EXISTING MAKE-UP WATER LINES, HOT WATER LINES FROM CONDENSERS, AND COLD WATER LINES TO CONDENSERS.
4. REMOVE ELECTRIC HEATERS (2 EACH TOWER) FROM TOWERS 1 & 2 AND INSTALL IN NEW TOWERS. RECONNECT ALL ELECTRICAL WORK TO EXISTING CIRCUITS.
5. PROVIDE NEW 2" DRAIN LINES FROM TWO NEW AND ONE EXISTING TOWERS AND RUN IT INTO THE EXISTING SANITARY SEWER CATCH BASIN.
6. THE CONTRACTOR SHALL FURNISH ALL MATERIALS NECESSARY TO CONNECT NEW TOWERS TO EXISTING WORK, TO AFFORD A COMPLETE OPERATIABLE SYSTEM AT NO EXTRA COST TO THE GOVERNMENT.
7. WATER PIPE FROM CONDENSERS - 6".
   WATER PIPE TO CONDENSERS - 8".
8. ANY ALTERATIONS TO THE EXISTING COOLING TOWER FOUNDATION SHALL BE DONE BY THE CONTRACTOR AT NO EXTRA COST TO THE GOVERNMENT.
9. GOVERNMENT WILL FURNISH WATER TO AIR CONDITIONING UNITS DURING CONSTRUCTION PERIOD.



SITE PLAN
1" = 200'

COOLING TOWER SCHEDULE (REQD)

TOWER	CAPACITY TONS	CAPACITY GPM.	WATER TEMP-F° ENT.	WATER TEMP-F° LVG.	AMBIENT TEMP-F°WB	MIN. FAN MOTOR HP
1	203	812	95	87	82	10
2	203	812	95	87	82	10

TECHNICAL SPECIFICATIONS

1. STATEMENT OF WORK: The work consists of furnishing all plant, labor, materials, equipment, supplies, transportation (including fuel) and performing all work necessary to complete, ready for use, two new cooling towers, Keesler Air Force Base, Mississippi. All work shall be performed in strict accordance with Drawing 67-201 and these specifications.

2. DRAWINGS: Drawing 67-201 indicates the location, nature and general scope of the work. The drawings are made to a small scale, necessitating the omission of minor details and are included for general information. Drawings shall not be scaled for dimensions.

3. REMOVAL OF EXISTING WORK: Materials and equipment indicated to be removed and not required in the finished work shall become the property of the contractor and shall be disposed of by him off Keesler Air Force Base. All work required to be removed shall be removed in such a manner as to preclude damage to the work that is to remain. Any damage to the work which is to remain shall be patched as directed by the Contracting Officer at no extra cost to the Government.

4. COOLING TOWERS, MECHANICAL: a. General: The cooling tower shall be a factory-fabricated and field-assembled mechanical, induced-draft type, deck filled, complete with casing, basin, hot-water distributor, frame, louvers, fan, drain, and overflow. Tower shall be structurally designed to withstand a 50 p.s.f. windload. The cooling tower shall conform to Standard No. 910 of the Air-Conditioning and Refrigeration Institute. All joints shall be watertight and arranged to shed water inward. Means of access shall be provided to all parts of the cooling tower for servicing and maintenance.

5. CASING: a. Wood Casing: Wood casing shall be double cased with Douglas Fir or hemlock, pressure treated with creosote or chromated copper arsenate, California redwood, or seasoned tidewater red cypress. Wood may be single cased with not less than 1/2 inch marine plywood, pressure treated with creosote or chromated copper arsenate. Construction shall be bolted with hot-dip-galvanized-steel, stainless-steel, or bronze bolts.

6. ASBESTOS: Asbestos shall be single cased with not less than 3/8-inch-thick corrugated asbestos-cement board in accordance with Federal Specification SS-B-750, 23 Nov 60. Corrugations shall be laid horizontally with all joints lapped one corrugation. Vertical joints shall be lapped and calked. Construction shall be bolted with hot-dip-galvanized-steel or stainless-steel bolts with neoprene and cadmium-plated-steel washers under the heads.

7. LOUVERS: Louvers shall be fabricated of a material that is compatible with the casing and of thickness to withstand alternate wetting and drying without cracking or splitting. Louvers shall be set at an angle to minimize drift or splashout, and shall be held in place by slots without the use of nails or backup strips.

8. FRAMING: Framing shall be fabricated from hot-dip-galvanized steel formed shapes or angles, Douglas fir or hemlock, pressure treated with creosote or chromated copper arsenate, California redwood or seasoned tidewater red cypress. Construction shall be through-bolted with hot-dip galvanized-steel, stainless-steel, or bronze bolts, and structurally adequate to withstand loads as heretofore specified.

9. FILL-DECKING: Fill-decking shall be Douglas fir or hemlock, pressure treated with creosote or chromated copper arsenate, California redwood, seasoned tidewater red cypress, or rigid molded plastic having mechanical and chemical properties at least equal to those of high impact polystyrene. Decking shall be free to expand or contract without warping, and shall be adequately supported so that no sagging or warping will occur. Decking shall be assembled with bronze nails or shall be of the interlocking type without nails.

10. FANS: Fans shall be adjustable-pitch propeller type, constructed of hot-dip galvanized steel, stainless steel, or aluminum, and mounted in a suitable scroll, venturi, or fan cylinder. Fan blades and hubs shall be fabricated of compatible materials or blade shanks shall be insulated to eliminate electrolytic corrosion. Fans shall be both statically and dynamically balanced at the factory after fabrication. Fans shall be connected by steel drive shafts connected through gear reducers, and flexible nonlubricated couplings. Provision shall be made for lubrication of all bearings, and bearings shall be accessible to the extent that each bearing can be lubricated without dismantling fan. Adequate personnel screens or guards shall be provided for all fans. Fan motors shall be totally enclosed type.

11. COLD-WATER BASIN: Cold-water basin shall be completely watertight, constructed of 1-1/2 inch tongue-and-groove Douglas fir or hemlock, pressure-treated with creosote or chromated zinc or copper arsenate; California redwood, or tidewater red cypress; 3/4 inch thick marine plywood pressure-treated with creosote or chromated copper arsenate; or 3/4 inch exterior grade Douglas Fir plywood with phenolic resin impregnated fiber overlay with edges sealed with toxic sealers. Wood construction shall be attached to heavy mailers with bronze nails, and joints shall be made watertight. The basin shall be adequately supported to prevent sagging or buckling. Cold-water basin shall be provided with overflow, plugged drain, screened suction or sump, and provided with an accessible float valve assembly. Basin floor shall slope towards the sump (at least 1/2 inch per foot).

12. HOT-WATER DISTRIBUTION: Hot-water basin shall be gravity distribution type, constructed of 1-inch-thick wood as hereinbefore specified for cold-water basin or of not lighter than 16-gage (0.0653 inch in nominal thickness) hot-dip galvanized steel. Basins shall be provided with splash box, or baffles to minimize splashing of incoming hot water, holes that shall evenly distribute the water over the entire decking area, and basin cover. Holes in wood basins shall be provided with ceramic or plastic orifice inserts.

13. LADDER AND RAILS: An aluminum ladder from ground to fan deck, and wood handrails around top of tower shall be provided. Ladder side rails and rungs shall be rated for 400# minimum load at any rung.

14. DRAWINGS: The contractor shall submit to the Contracting Officer for approval, complete working drawings indicating tower construction, eliminators, motor and fan data, performance data, dunnage beams, size of piping connections, wind loading, and any other information that may be requested by the Contracting Officer.

15. ELECTRICAL: The electrical installation covers the modification and addition to the two existing three-phase, 440-volt motor branch circuits to the cooling tower fan motors and the electric basin heaters. The existing safety switches, electric basin heaters, conductors, rigid raceway and flexible raceway shall be removed from the point of ground emergence at the cooling tower site to each safety switch and motor. The two existing safety switches shall be reinstalled and the motor branch circuit extended to the required fan motors. The electrical installation shall be made in accordance with the 1965 National Electrical Code. The exposed galvanized rigid conduit shall be installed parallel or perpendicular to walls, structural members or the intersection of vertical planes. Conductors shall be #8 AWG Stranded Type "THW" 600-volt. Contractor shall furnish and install all junction or pull boxes, cast metal, where required or indicated. New galvanized conduit raceway and conductors shall be utilized to extend motor branch circuit to each new cooling tower fan motor. Final connection at each motor shall be made with a short section of liquid tight flexible conduit. Existing safety switch enclosures shall be cleaned with a wire brush, and painted with two coats of grey spray enamel. Existing electric basin heaters shall be installed in the new towers.

SYMBOL	ZONE	DESCRIPTION	DATE	APPROVAL

REVISIONS

UNITED STATES AIR FORCE — KEESLER AIR FORCE BASE, BILOXI, MISSISSIPPI — AIR TRAINING COMMAND
OFFICE OF THE CIVIL ENGINEER

DRAWN BY: AIC PAQUETTE
CHECKED BY: SSgt
RECOMMENDED: CHIEF DESIGNER
RECOMMENDED: GRADE AND POSITION TITLE, USING AGENCY
APPROVED: TRANSPORTATION ENGINEER
DATE: 6 Oct 1967

BLOCK #69
REPLACE COOLING TOWERS, 6901
SITE PLAN, TOWER SCHEDULE, PLAN VIEW, ELEV, NOTES, SPECS.

SUBMITTED: BASE ENGINEER — DATE: 9 Oct 67

SCALE: AS NOTED — SPEC. KE-102-7 R1
DRAWING NUMBER: 67-201
IN 1 SHEETS — SHEET 1

6901-6

Sep 1967
HQ ENVIRONMENTAL ENGINEER

REVIEW APPROVALS
APPROVED FOR: Author — DATE: 6 Oct 1967
APPROVED FOR — DATE
APPROVED FOR — DATE
FOR USE BY MAJOR COMMAND HEADQUARTERS AND USAF ONLY

DRAWING NUMBER 6901-6
1/1

ATC FORM 664, SEP 64