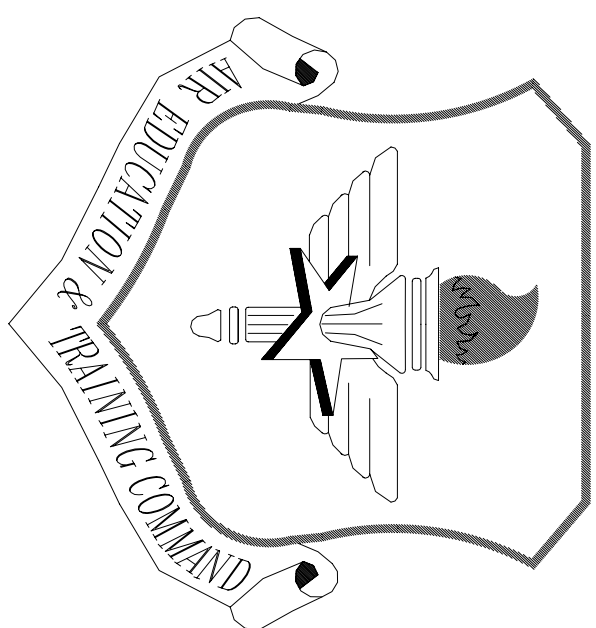




LITTLE ROCK A.F.B.
ARKANSAS

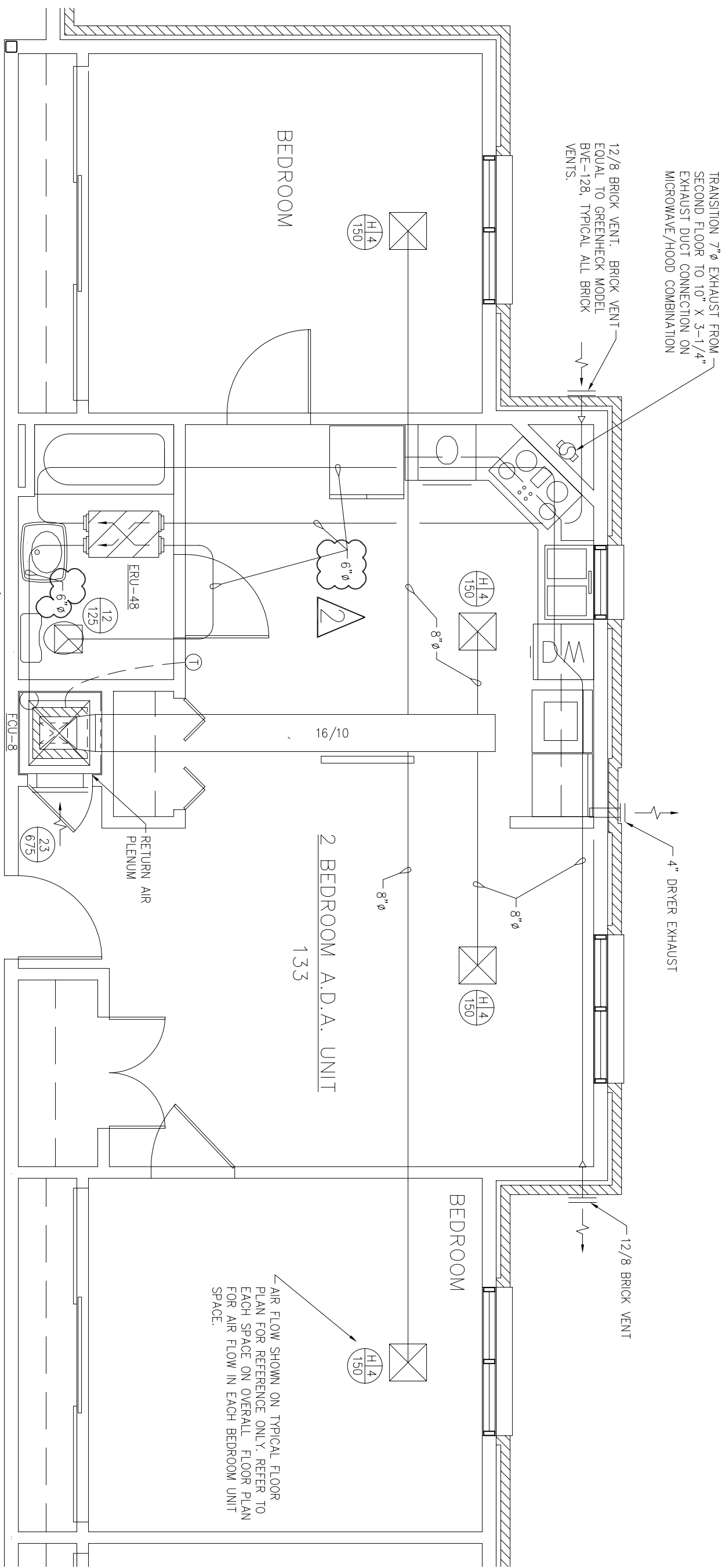
CIVIL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

No.	Revision/Issue	Date	BY	APP'D
2	Reduced duct diameter from 8" to 6"			
1	Changes in duct locations and layout of FCU			

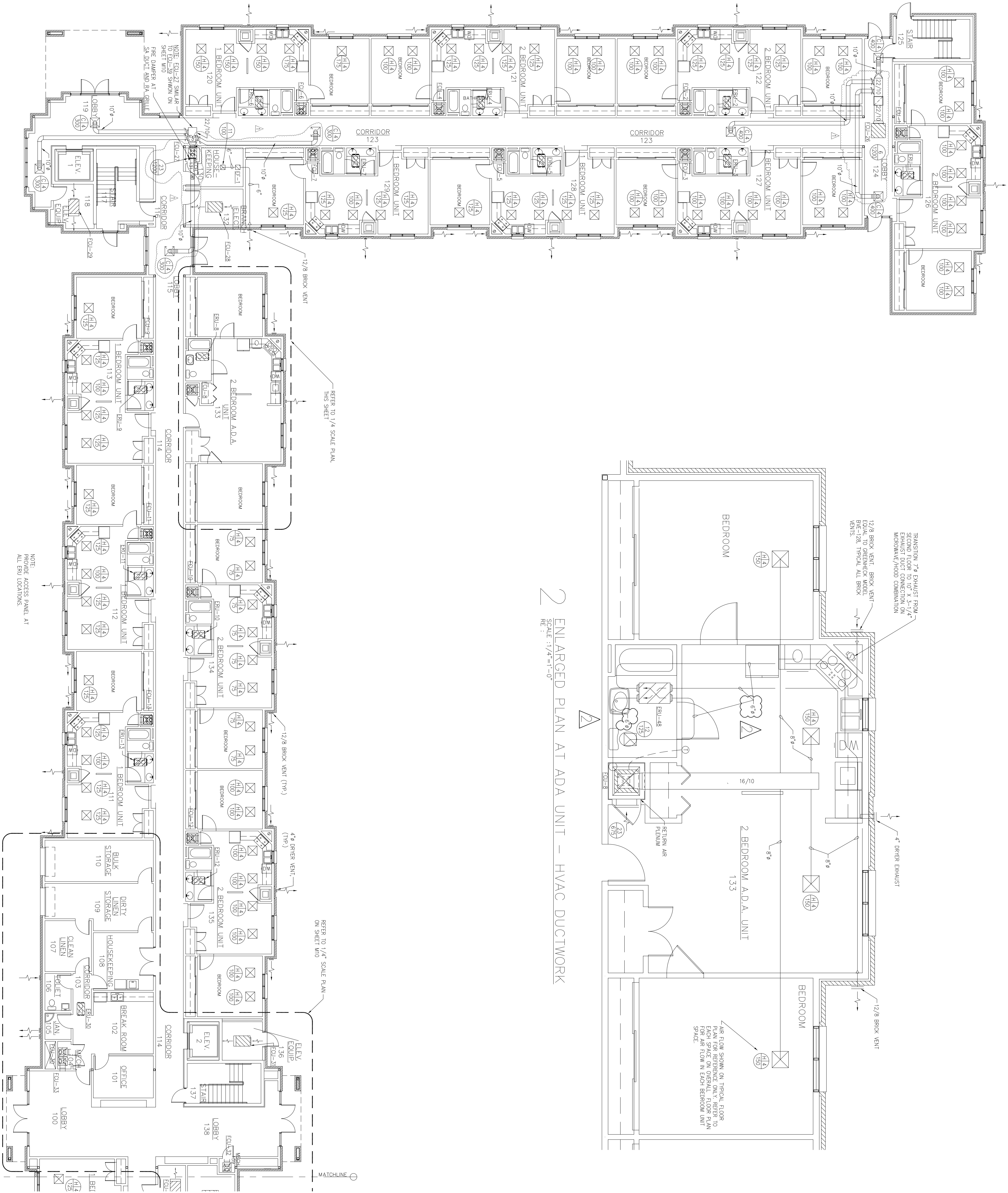
PROJECT TITLE	TEMPORARY LODGING FACILITY
---------------	----------------------------

SHEET TITLE	PARTIAL FIRST FLOOR HVAC DUCTWORK PLAN
AS-BUILT	

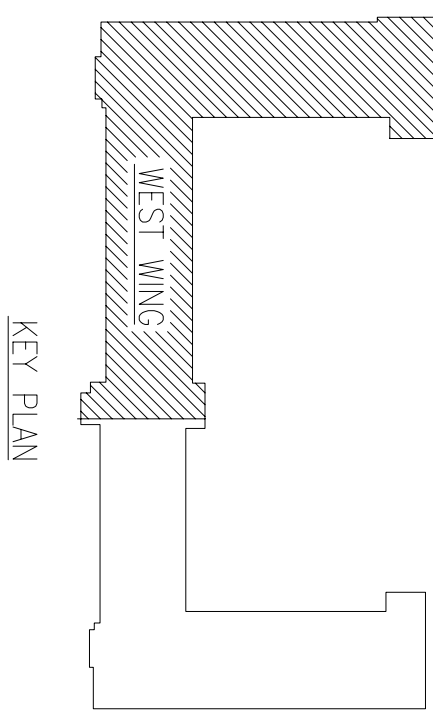
DRAWN BY	TNS	LEAD DESIGNER	WET
TECH REVIEWER	TNS	FILE LOCATION	
DESIGNED BY	TNS	PROJECT NUMBER	NKAK02-5001
DATE	28 MAY 2002	SHEET	M2
SCALE	AS NOTED		69' 108'



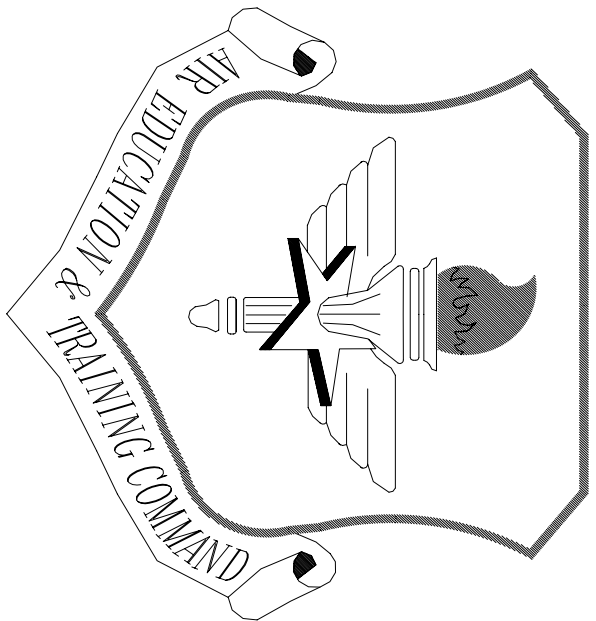
2 ENLARGED PLAN AT ADA UNIT – HVAC DUCTWORK
SCALE 1/4"=1'-0"
RE: 1



1 PARTIAL FIRST FLOOR HVAC DUCTWORK PLAN – WEST WING
SCALE 3/32"=1'-0"
RE: 1



KEY PLAN



LITTLE ROCK A.F.B.
ARKANSAS

OWN ENGINEER	CHEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

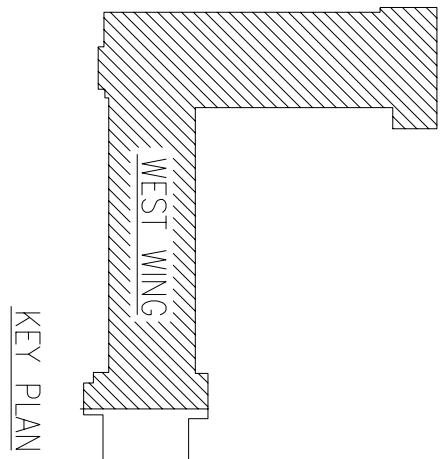
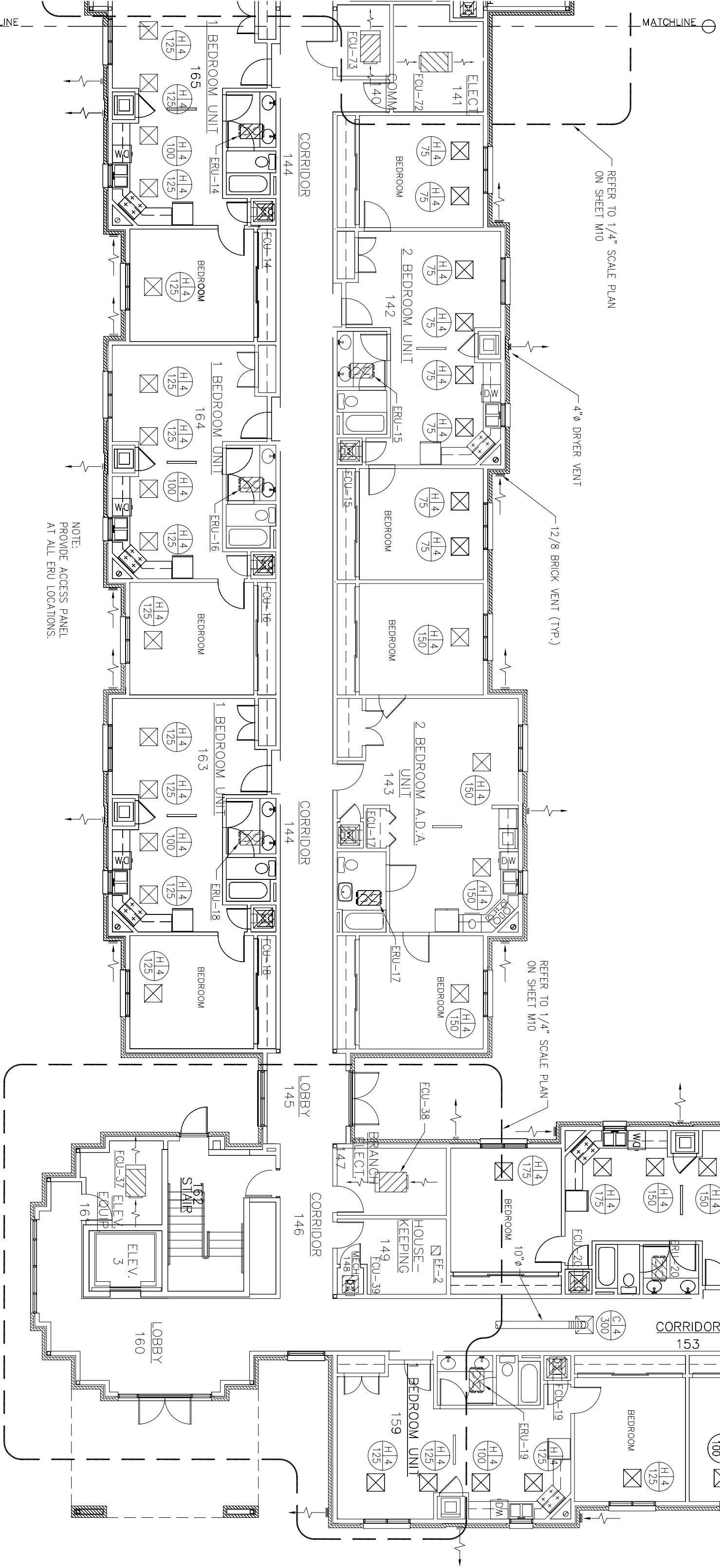
APP'D	BY	Date	Revision/Issue	No.
			Changes in duct locations and layout of FCU	1

TEMPORARY LODGING
FACILITY

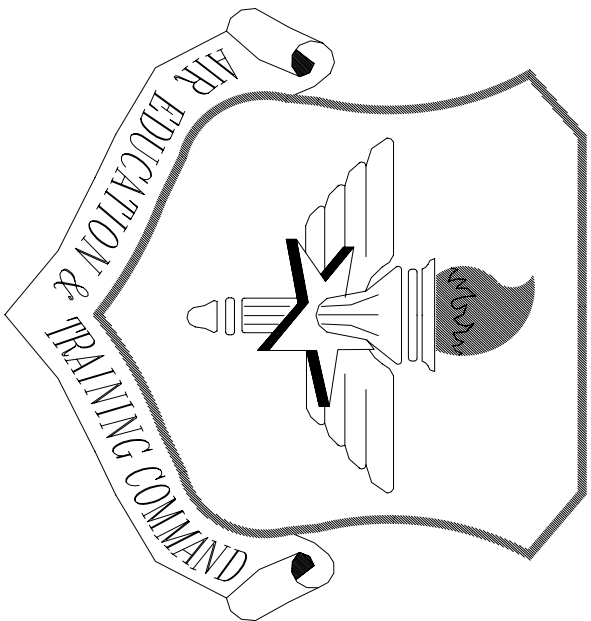
PARTIAL FIRST FLOOR
HVAC DUCTWORK PLAN
AS-BUILT

DRAWN BY TNS	LEAD DESIGNER WET
TECH REVIEWER	FILE LOCATION
DESIGNED BY TNS	PROJECT NUMBER NKAK02-5001
DATE 28 MAY 2002	SHEET M3
SCALE 3/32"=1'-0"	70 of 108

AIR DISTRIBUTION DEVICES									
REFERENCE DESIGNATION	PRODUCT	TYPE	MAXIMUM AIR FLOW (CFM)	TOTAL PRESSURE (IN. WG)	NECK SIZE (IN.)	PANEL SIZE (IN.)	MAX. WEIGHT (LB)	FINISH	REMARKS
A	TUJITE PERCU & BAILEY	SUPPLY LAY-IN MAIN	100	0.02	6" ø	24"x24"	30	OFF-WHITE	FURNISH W/OBD
B			220	0.06	8" ø				
C		↓	400	0.08	10" ø				↓
D			550	0.09	12" ø				
E	FCBL		100	0.02	6"x6"	24"x12"			FURNISH OBD AND 6"ø ADAPTER
F	FCBL	↓	220	0.08	8"x8"	24"x12"			FURNISH OBD AND 8"ø ADAPTER
G	FCBL		100	0.03	6" ø	12"x12"			FURNISH W/OBD AND CEILING GASKET
H	SUPPLY SURFACE MOUNT		220	0.06	8" ø	16"x16"			
I		↓	400	0.08	10" ø	20"x20"			↓
J			550	0.08	12" ø	24"x24"			
K	PCBS		125	0.08	6"x6"	12"x24"			FURNISH OBD, CEILING GASKET AND 6"ø ADAPTER
L	PCBS	↓	220	0.09	8"x8"	12"x24"			FURNISH OBD, CEILING GASKET AND 8"ø ADAPTER
M	RC40 LAY-IN		1125	0.10	18"x18"	24"x24"			FURNISH W/OBD, 18"ø ADAPTER AND CEILING GASKET
N	VF-57 SHEET WALL		275	0.12	12"x6"	14"x8"			FURNISH W/OBD
O	VF-57	↓	700	0.12	18"x6"	20"x8"			FURNISH W/OBD
P	VF-57	↓	1050	0.12	22"x8"	24"x10"			FURNISH W/OBD
Q	SUPPLY LINEAR BRK		800	0.05	4"x96"	-		SATIN	FURNISH W/FLANGED FRAME. ADD CORNER DIMENSION.
R	TEAV	↓	450	0.05	4"x54"	-		SATIN	FURNISH W/FLANGED FRAME. ADD CORNER DIMENSION.
1	TUJITE PERCU & BAILEY	RT/FSH MAIN	100	0.02	6" ø	24"x24"	30	OFF-WHITE	FURNISH W/OBD
2			200	0.03	8" ø				
3			350	0.05	10" ø				
4			700	0.05	12" ø				
5			1000	0.08	14" ø				
6		↓	1400	0.08	22"x22"				↓
7	FLR		100	0.02	6"x6"	24"x12"			FURNISH OBD AND 6"ø ADAPTER
8	FLR		200	0.03	8"x8"	24"x12"			FURNISH OBD AND 8"ø ADAPTER
9	FLR	↓	750	0.03	22"x10"	24"x12"			FURNISH OBD
10	ORE300		3250	0.03	22"x22"	24"x24"			FURNISH OBD
11	PRRSV SURFACE MOUNT		100	0.02	6" ø	12"x12"			FURNISH W/OBD AND CEILING GASKET
12			200	0.01	8" ø	16"x16"			
13			350	0.06	10" ø	20"x20"			
14			700	0.06	12" ø	24"x24"			
15		↓	1000	0.08	14" ø				↓
16	PCBS		100	0.02	6"x6"	24"x12"			FURNISH OBD, CEILING GASKET AND 6"ø ADAPTER
17	PCBS		200	0.03	8"x8"	24"x12"			FURNISH OBD, CEILING GASKET AND 8"ø ADAPTER
18	PCBS		750	0.03	22"x10"	24"x12"			FURNISH W/OBD AND CEILING GASKET
19	ORE300		3250	0.03	22"x22"	24"x24"			FURNISH W/OBD AND CEILING GASKET
20	RT/FSH	↓	325	0.10	12"x6"	14"x8"			FURNISH W/OBD 42" HORIZONTAL DEFLECTION
21	VF-57 SHEET WALL		425	0.10	18"x6"	20"x8"			
22	VF-57	↓	800	0.10	22"x8"	24"x10"			↓
23									
X	N/A	SUPPLY RT/FSH	N/A	N/A	N/A	N/A	N/A	N/A	EXISTING GRILLE



PARTIAL FIRST FLOOR HVAC DUCTWORK PLAN – EAST WING
SCALE: 3/32"=1'-0"
RE: NORTH



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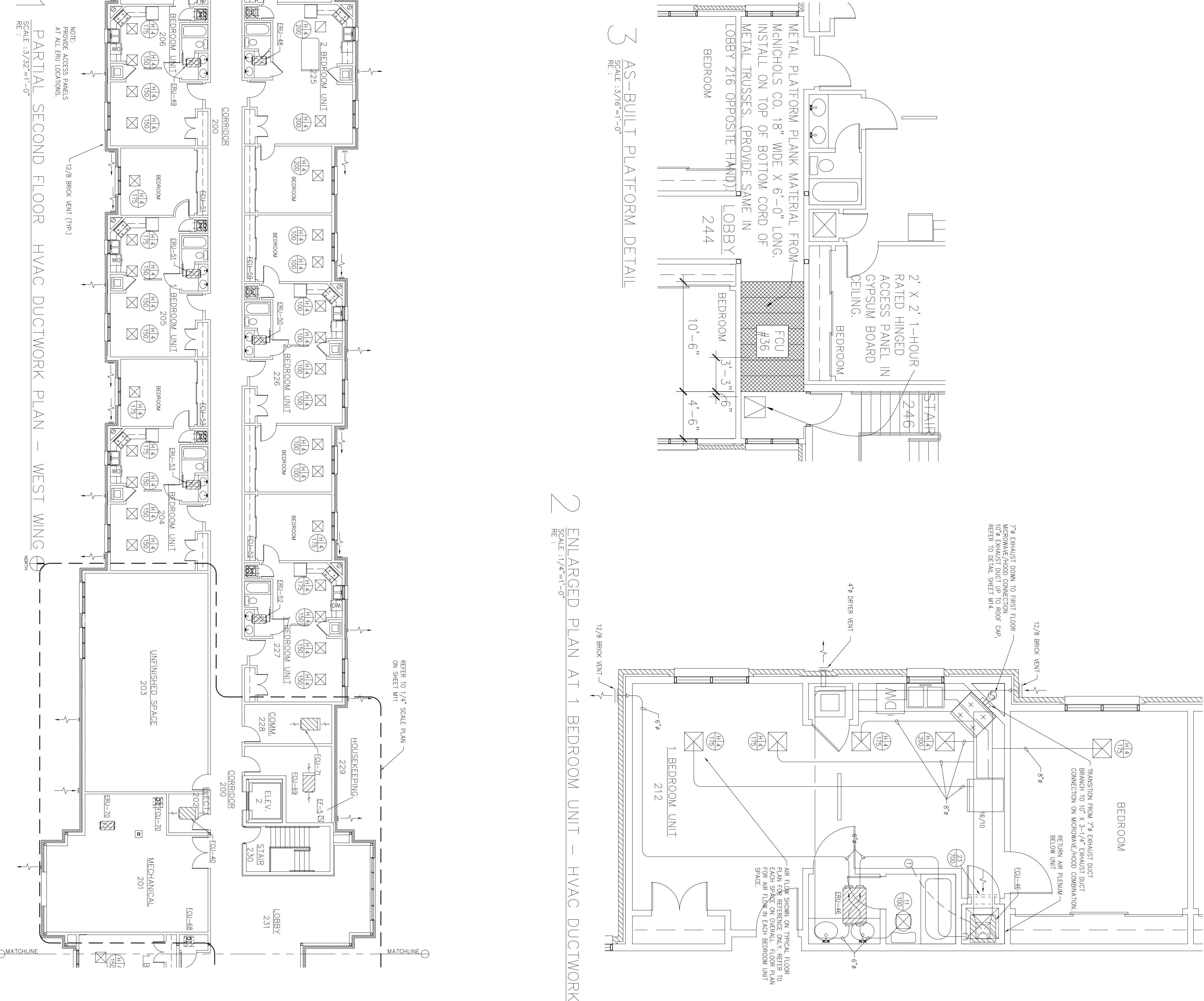
CIVIL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USMC AGENCY

No.	Revision/Issue	Date	BY	APP'D
3	Equipment layout change of FCU 66 – Platform detail added			
2	Ductwork location changed to accommodate lack of space			
1	Ductwork moves up into attic and drops down over vent			

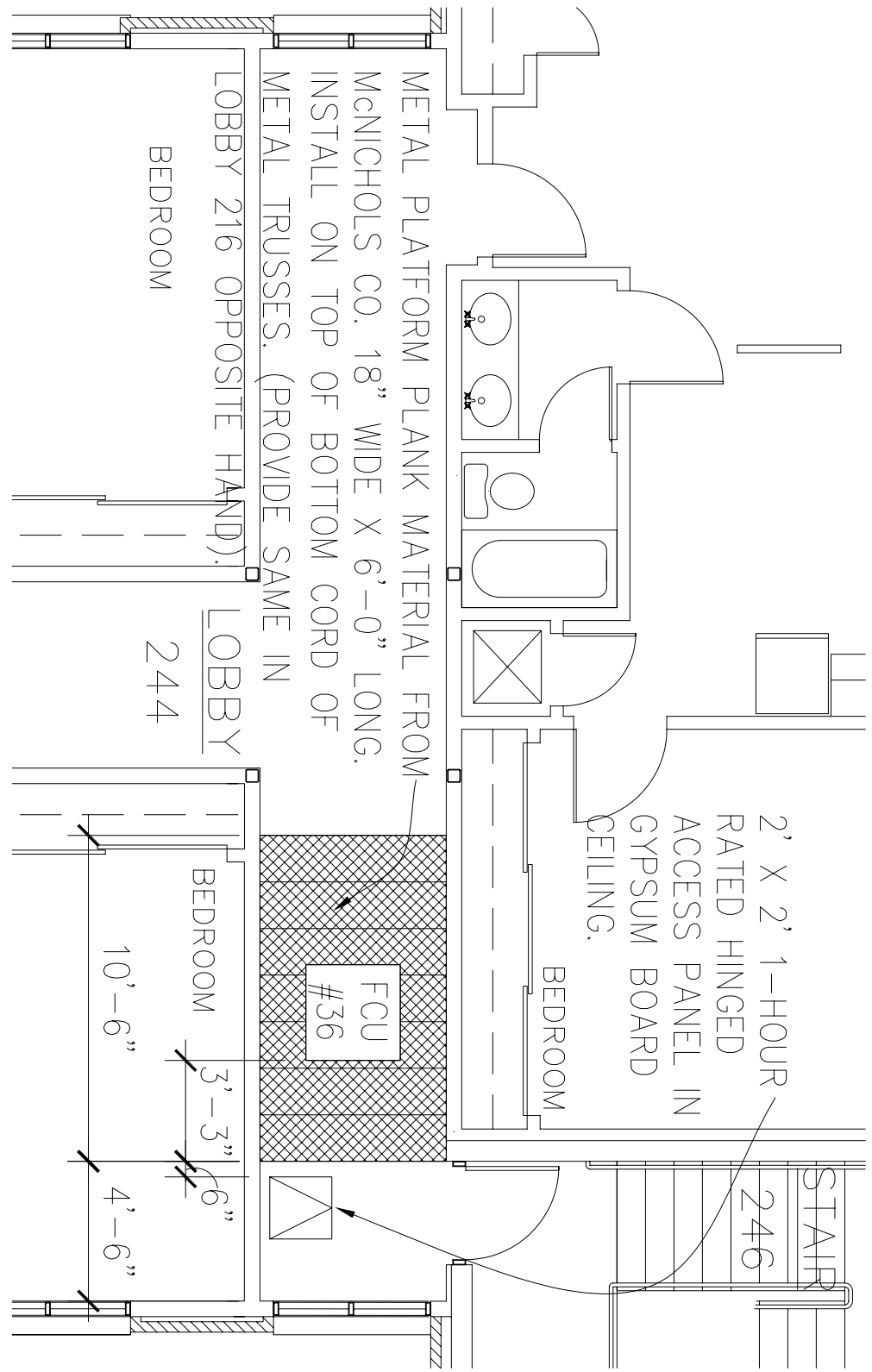
TEMPORARY LODGING
FACILITY

PARTIAL SECOND FLOOR
HVAC DUCTWORK PLAN
AS-BUILT

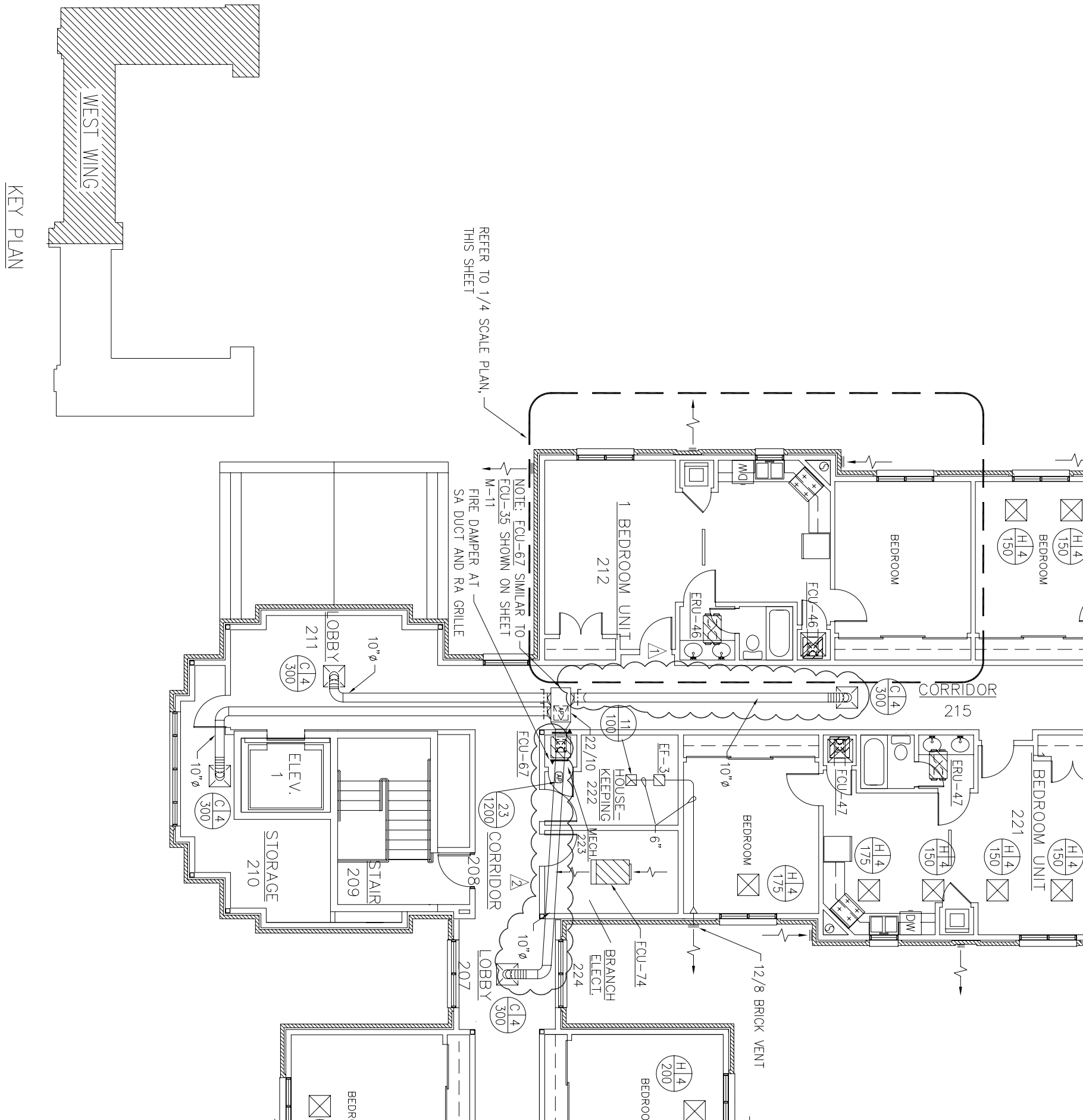
DRAWN BY TNS	LEAD DESIGNER WET
TECH REVIEWER TNS	FILE LOCATION
DESIGNED BY TNS	PROJECT NUMBER NKA02-5001
DATE 28 MAY 2002	SHEET M4
SCALE AS NOTED	71 of 108



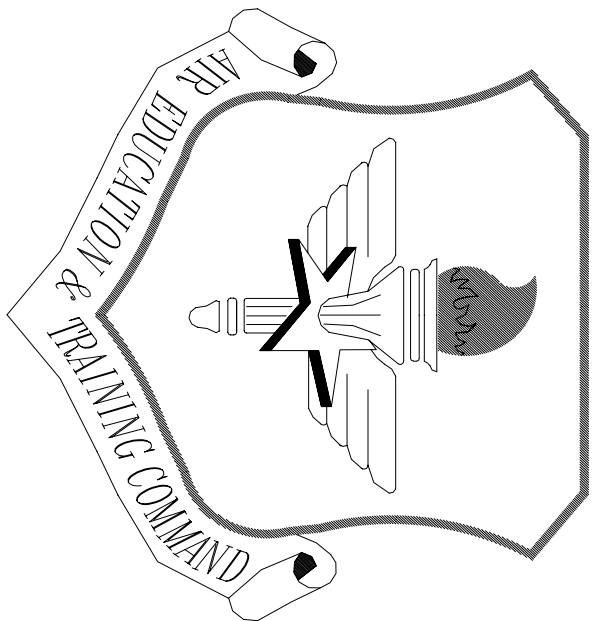
2 ENLARGED PLAN AT 1 BEDROOM UNIT – HVAC DUCTWORK
SCALE : 1/4"=1'-0"
RE : 1



3 AS-BUILT PLATFORM DETAIL
SCALE : 3/16"=1'-0"
RE : 1



KEY PLAN



LITTLE ROCK A.F.B.
ARKANSAS

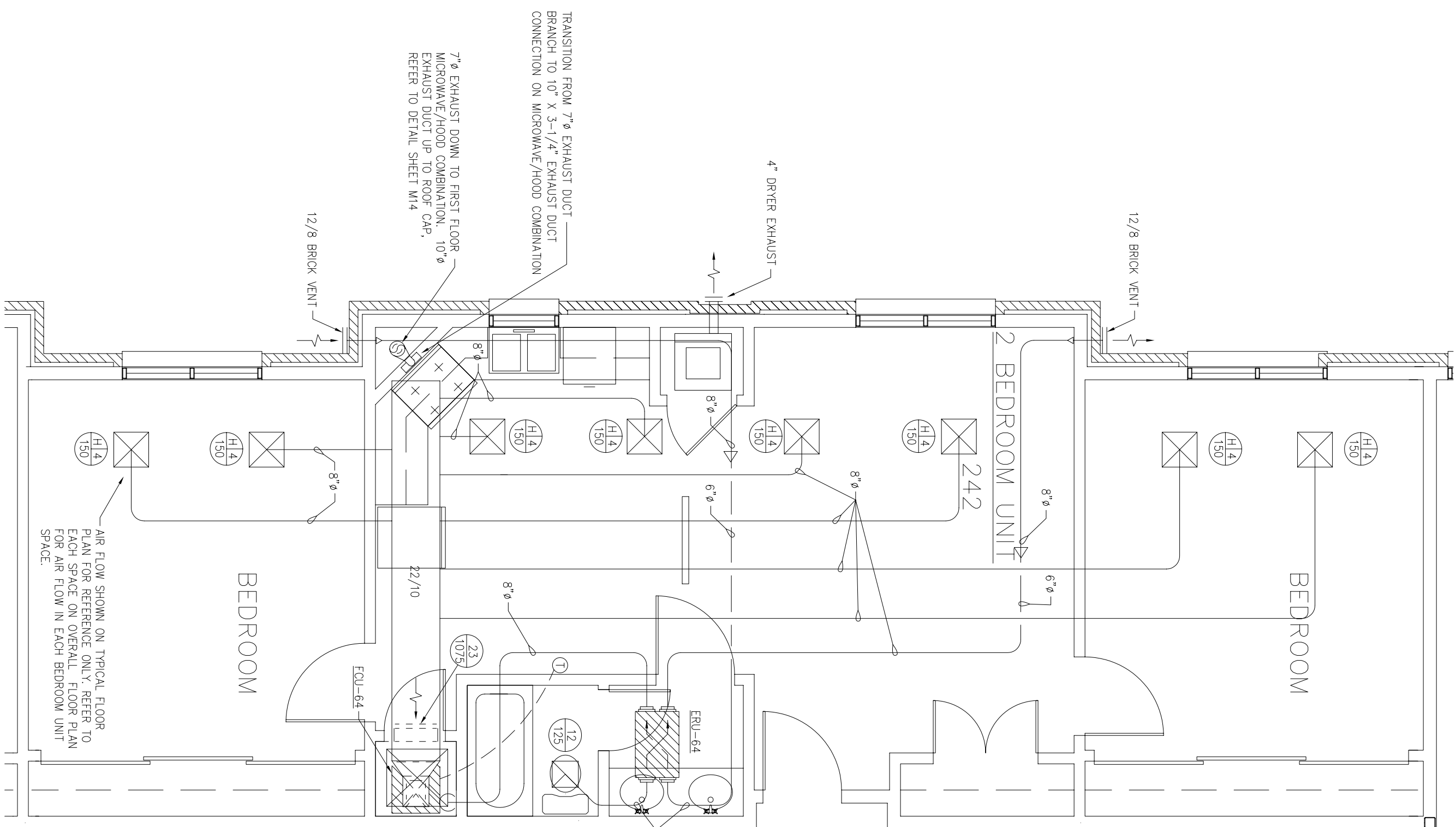
OWN ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

No.	Revision/Issue	Date	BY	APP'D
3	Added detail showing difference in trunk lines on the second floor			
2	Added Typical ERU Elevation			
1	Changes in duct locations			

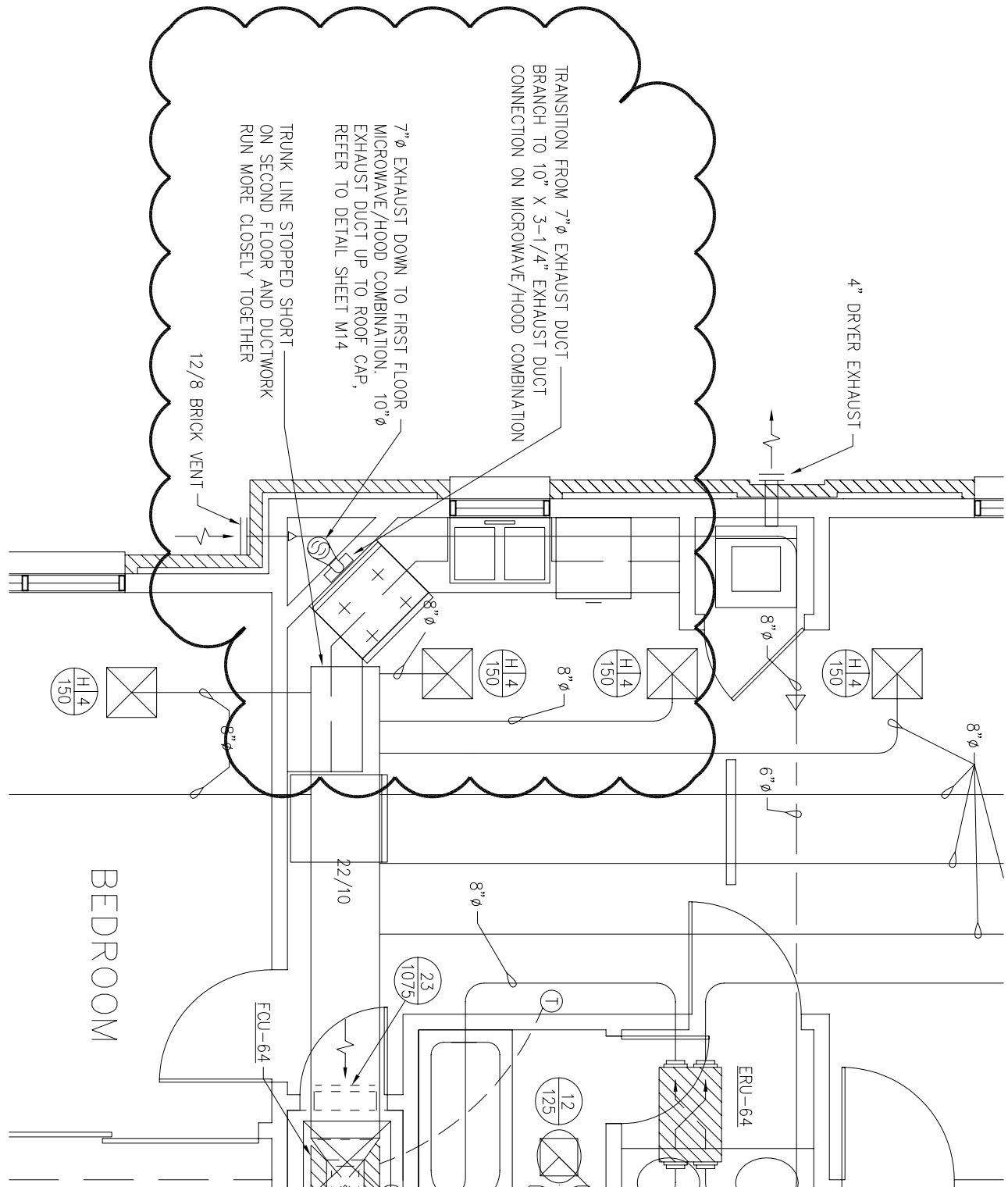
PROJECT TITLE
TEMPORARY LODGING
FACILITY

SHEET TITLE
PARTIAL SECOND FLOOR
HVAC DUCTWORK PLAN
AS-BUILT

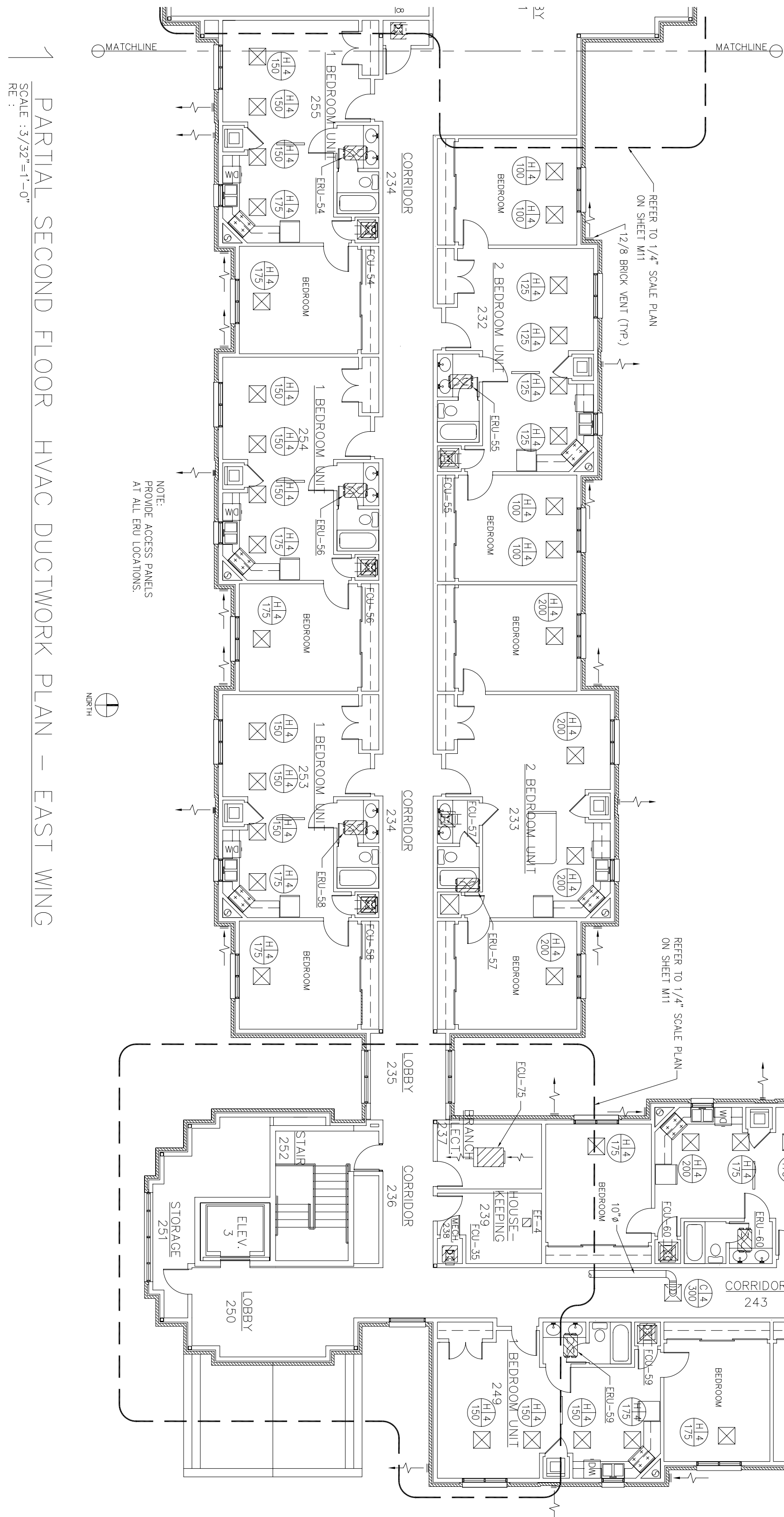
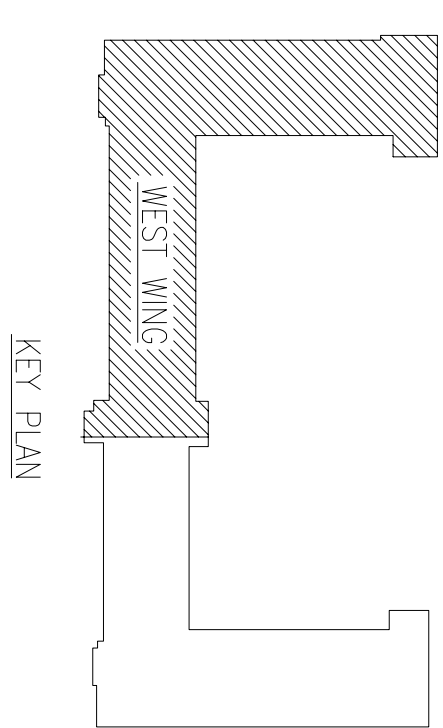
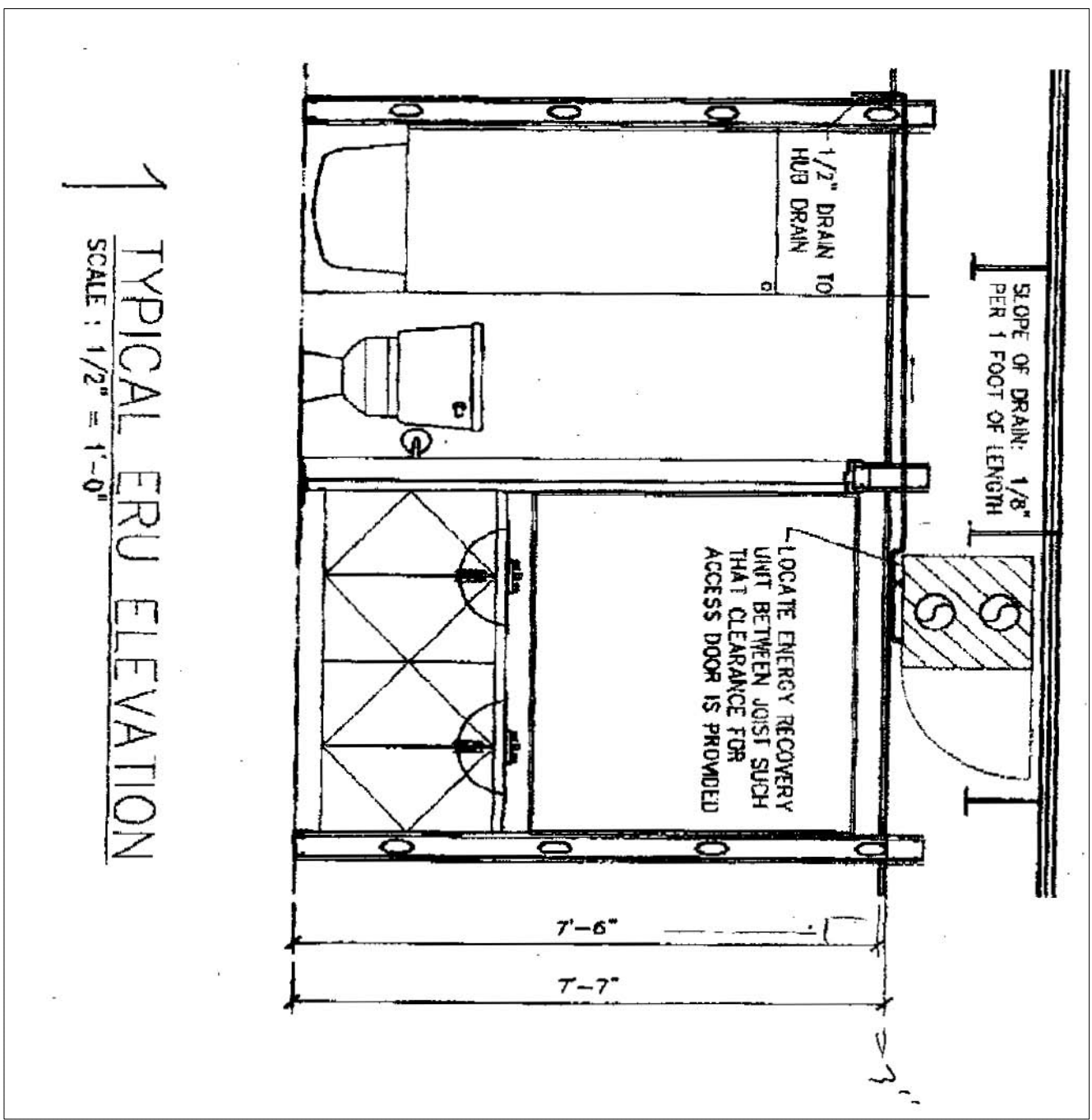
DRAWN BY TNS	LEAD DESIGNER WET
TECH. ENGINEER	FILE LOCATION
DESIGNED BY TNS	PROJECT NUMBER NKA02-5001
DATE 28 MAY 2002	SHEET M5
SCALE AS NOTED	72 OF 108



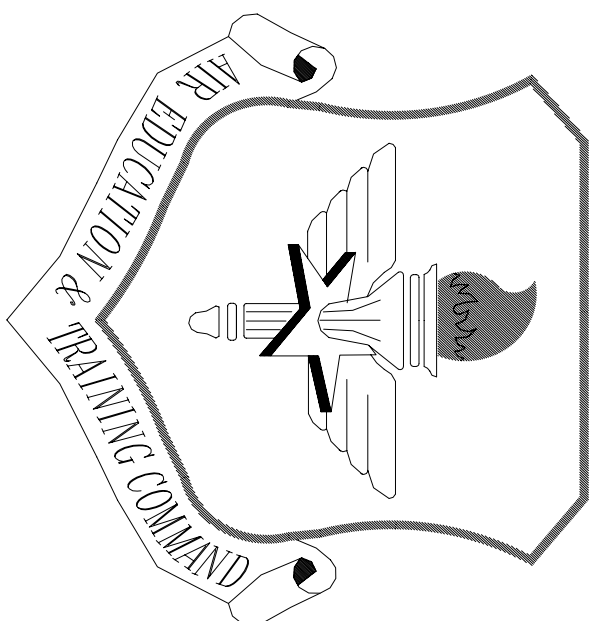
2 ENLARGED PLAN AT 2 BEDROOM UNIT – HVAC DUCTWORK
SCALE : 1/4"=1'-0"
RE :



3 ENLARGED PLAN AT 2 BEDROOM UNIT
HVAC DUCTWORK (2ND FLOOR)
SCALE : 1/4"=1'-0"
RE :



1 PARTIAL SECOND FLOOR HVAC DUCTWORK PLAN – EAST WING
SCALE : 3/32"=1'-0"
RE :



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ARKANSAS

CIVIL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

No.	Revision/Issue	Date	BY	APP'D
1	No Changes from Design to As-Built			

PROJECT TITLE

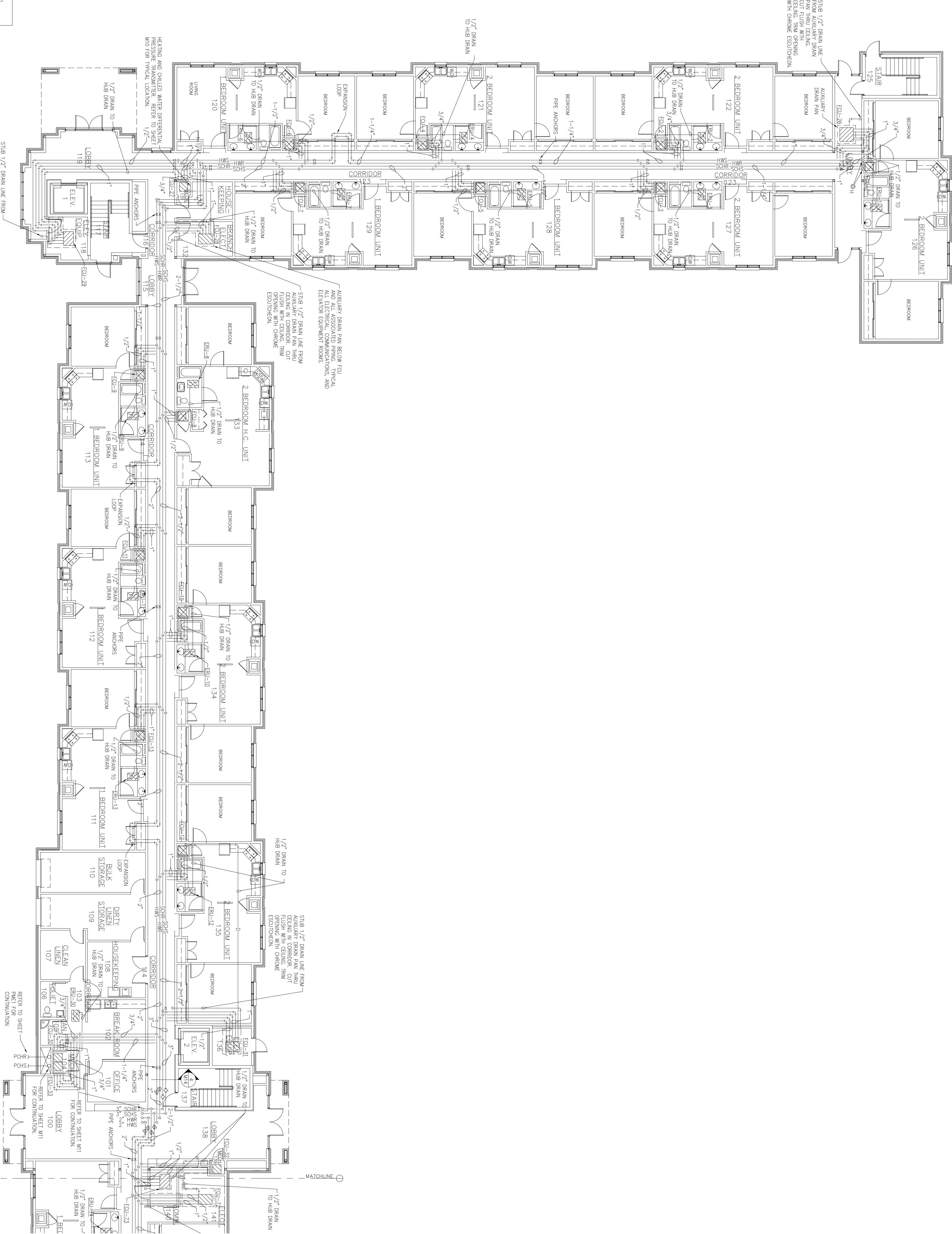
TEMPORARY LODGING FACILITY

SHEET TITLE

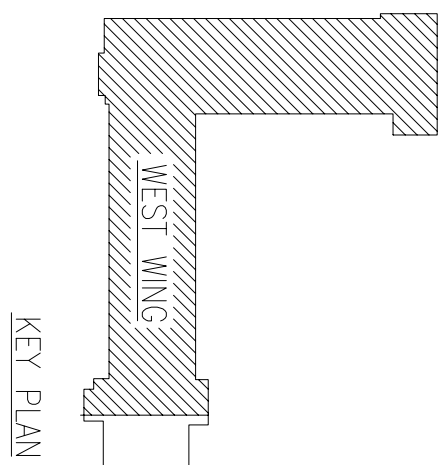
PARTIAL FIRST FLOOR HVAC PIPING PLAN

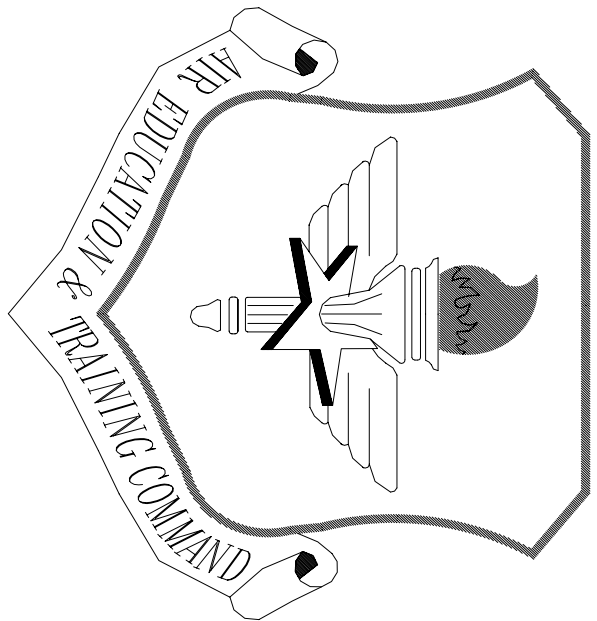
AS-BUILT

DRAWN BY	WVI	LEAD DESIGNER	WET
TECH REVIEWER		FILE LOCATION	
DESIGNED BY	TNS	PROJECT NUMBER	NKAK02-5001
DATE	28 MAY 2002	SHEET	M6
SCALE	3/32"=1'-0"		73 of 108



1 PARTIAL FIRST FLOOR HVAC PIPING PLAN — WEST WING





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ARKANSAS

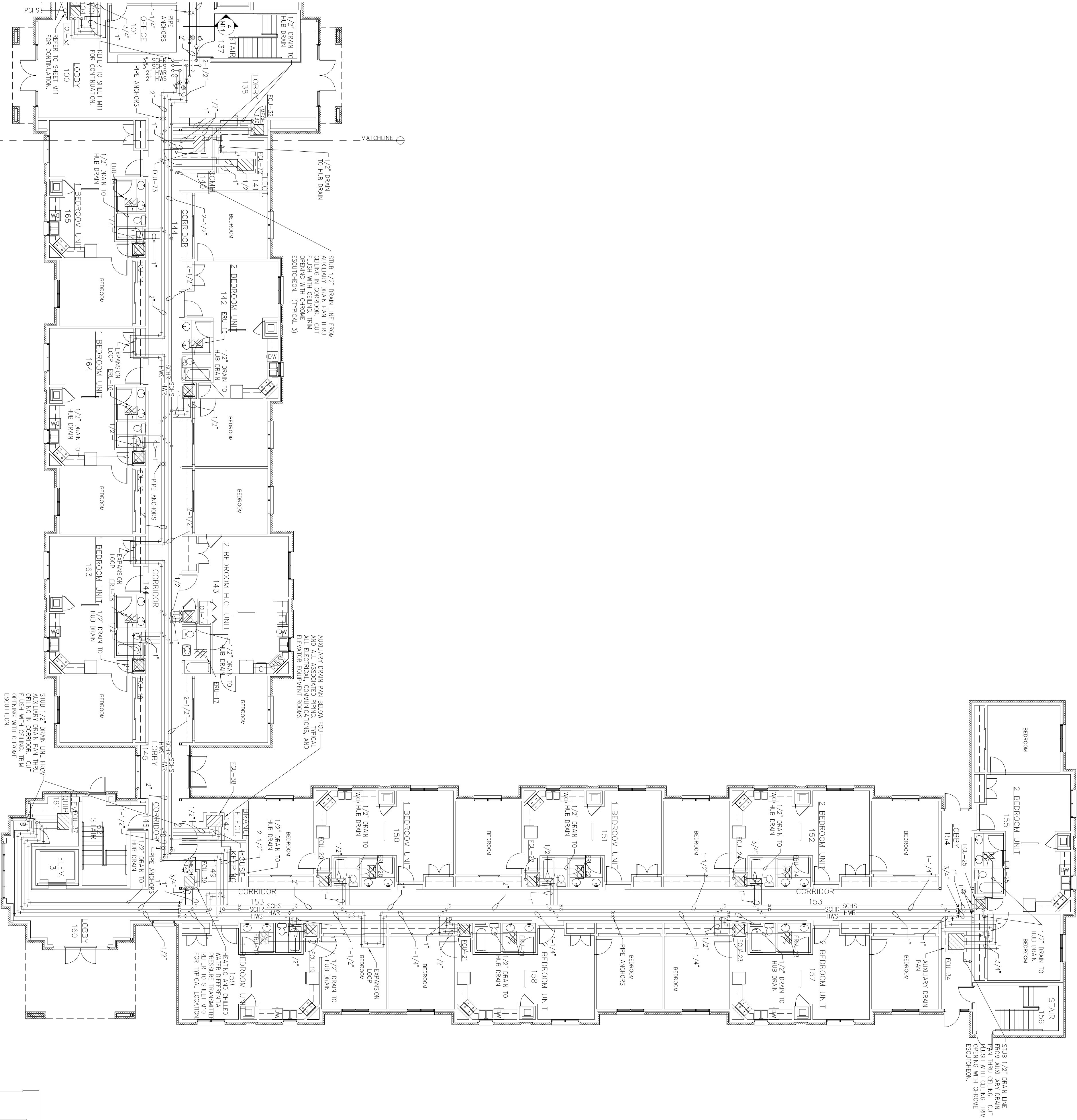
Civil Engineer	Chief Engineer
Chief of Operations	Bio Environmental Eng.
Fire Chief	Safety
Program Manager	Using Agency

No.	Revision/Issue	Date	BY	APP'D
1	No Changes from Design to As-Built			

TEMPORARY LODGING
FACILITY

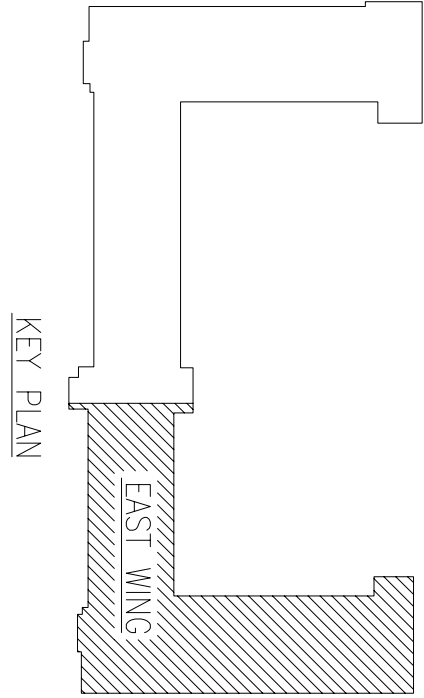
PARTIAL FIRST FLOOR
HVAC PIPING PLAN
AS-BUILT

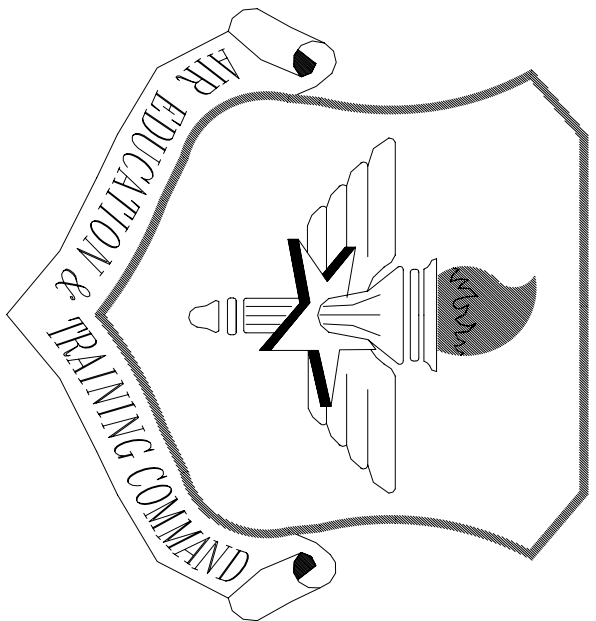
Drawn by WMI	Lead Designer WET
Tech Reviewer INS	File Location
Designed by INS	Project Number NKA02-5001
Date 28 May 2002	Sheet M7
Scale 3/32" = 1'-0"	74 of 108



PARTIAL FIRST FLOOR HVAC PIPING PLAN – EAST WING

SCALE: 3/32"=1'-0"





LITTLE ROCK A.F.B.
ARKANSAS

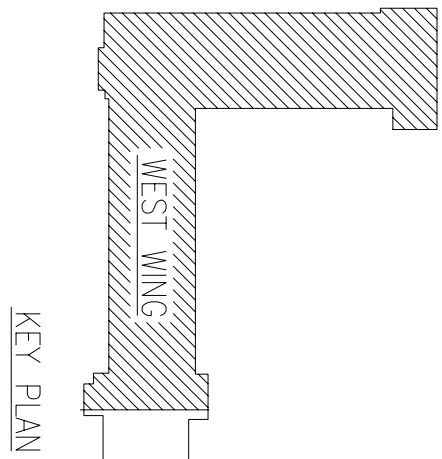
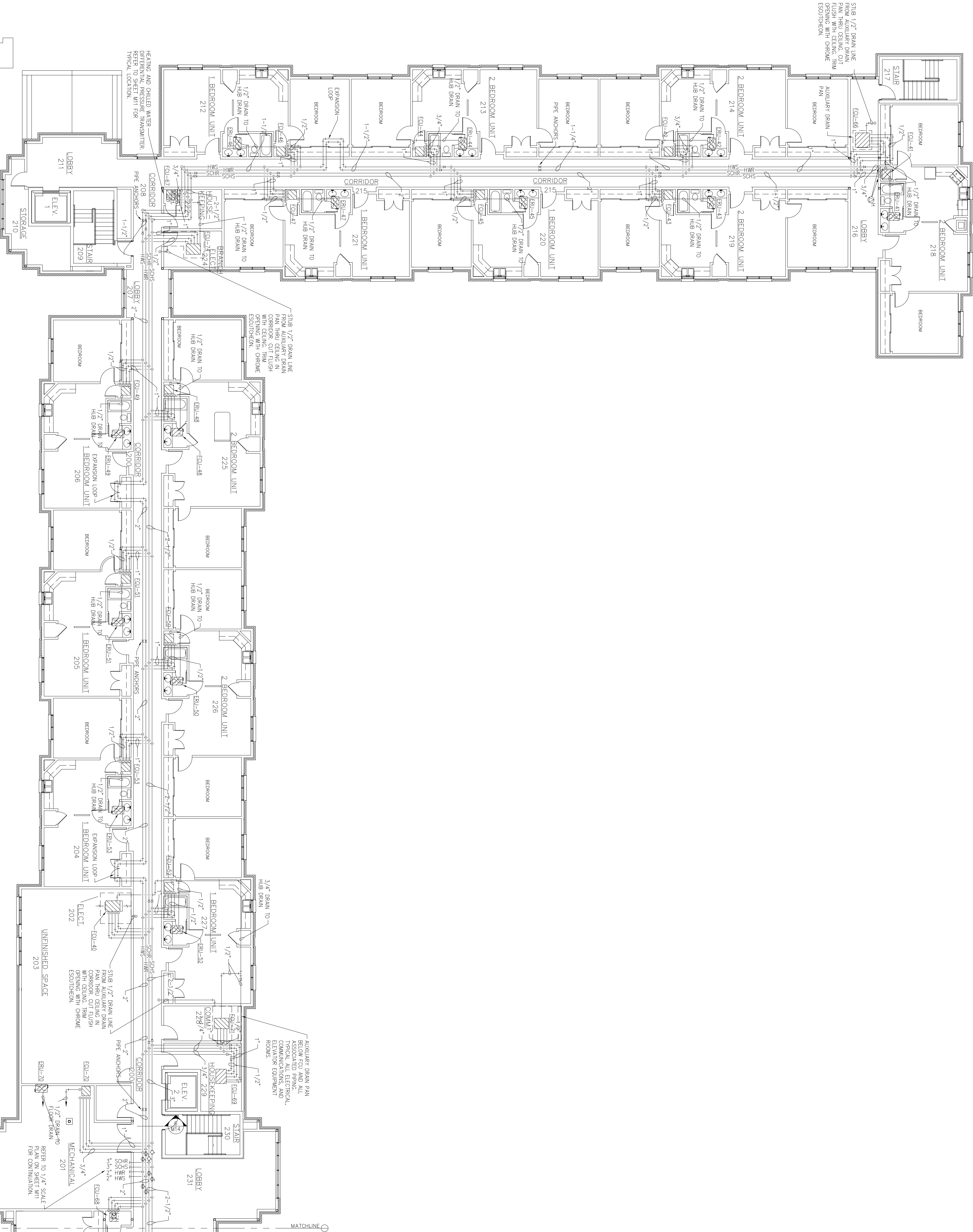
Civil Engineer	Chief Engineer
Chief of Operations	Bio Environmental Eng.
Fire Chief	Safety
Program Manager	Using Agency

No.	Revision/Issue	Date	BY	APP'D
1	No Changes from Design to As-Built			

TEMPORARY LODGING
FACILITY

SHEET TITLE
PARTIAL SECOND FLOOR
HVAC PIPING PLAN
AS-BUILT

Drawn by VMI	Lead Designer WEI
Tech Reviewer TNS	File Location
Designed by TNS	Project Number NKA02-5001
Date 28 MAY 2002	Sheet M8
Scale 3/32"=1'-0"	75 of 108

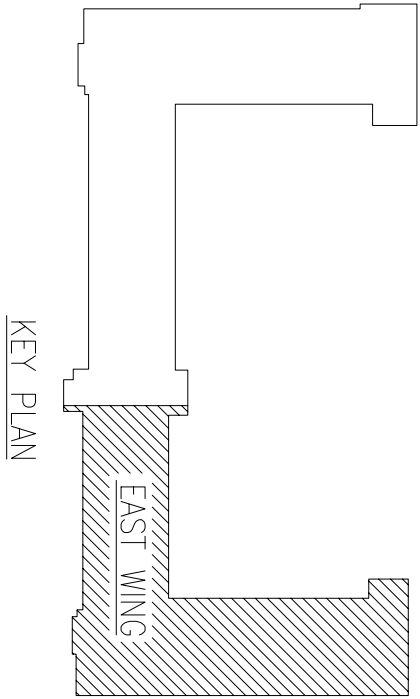


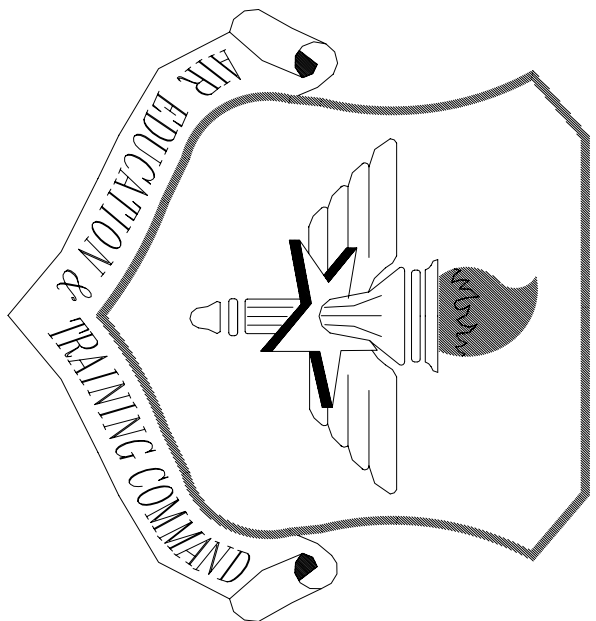
PARTIAL SECOND FLOOR HVAC PIPING PLAN – WEST WING
SCALE 3/32"=1'-0"
REF: 1



1	No Changes from Design to As-Built			
No.	Revision/Issue	Date	BY	APP'D

DRAWN BY	VIPI	LEAD DESIGNER	MET
TECH REVIEWER		FILE LOCATION	
DESIGNED BY	TNS	PROJECT NUMBER	NKAK02-5001
DATE	28 MAY 2002	SHEET	M9
SCALE	3/32"=1'-0"		76 of 108





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ARKANSAS

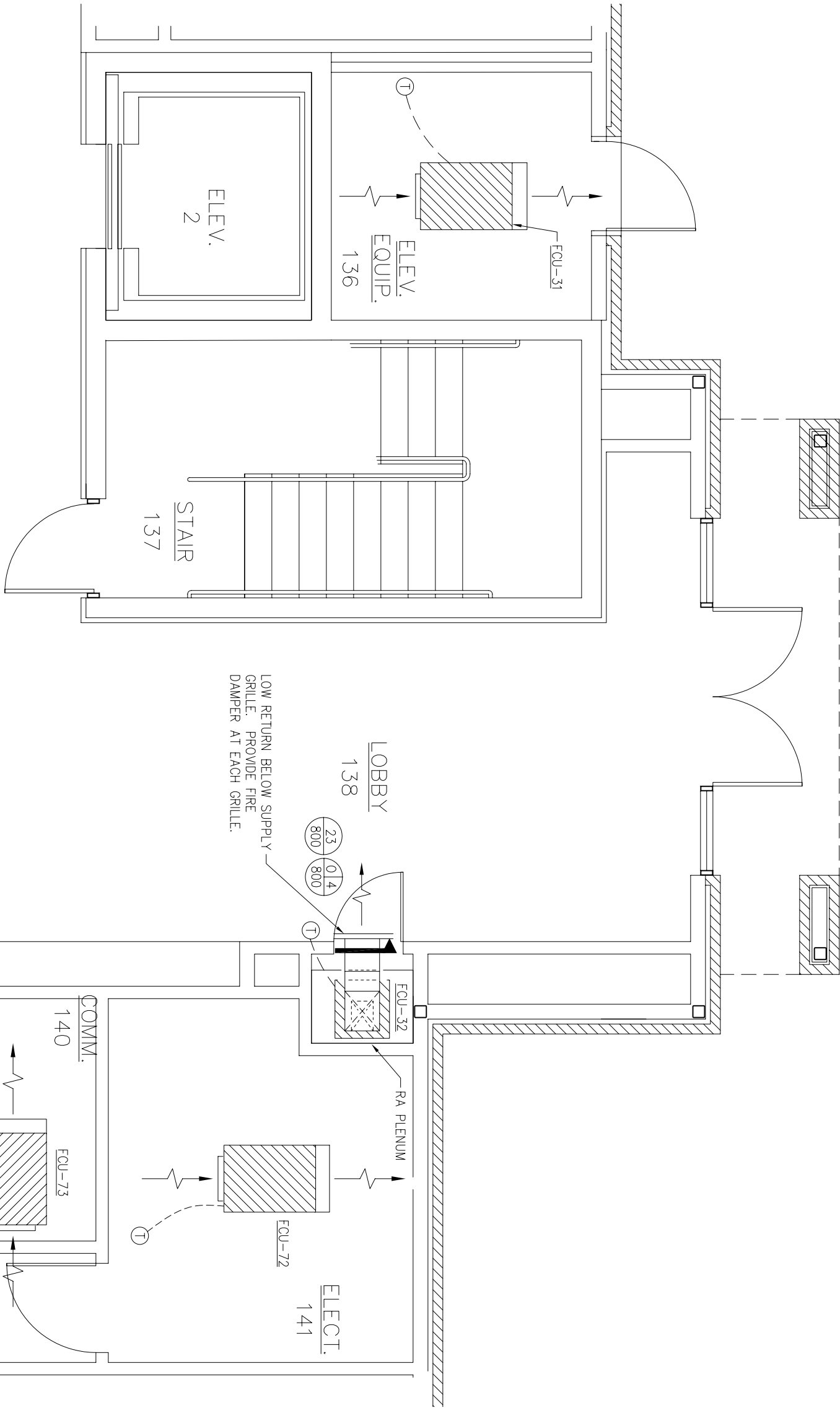
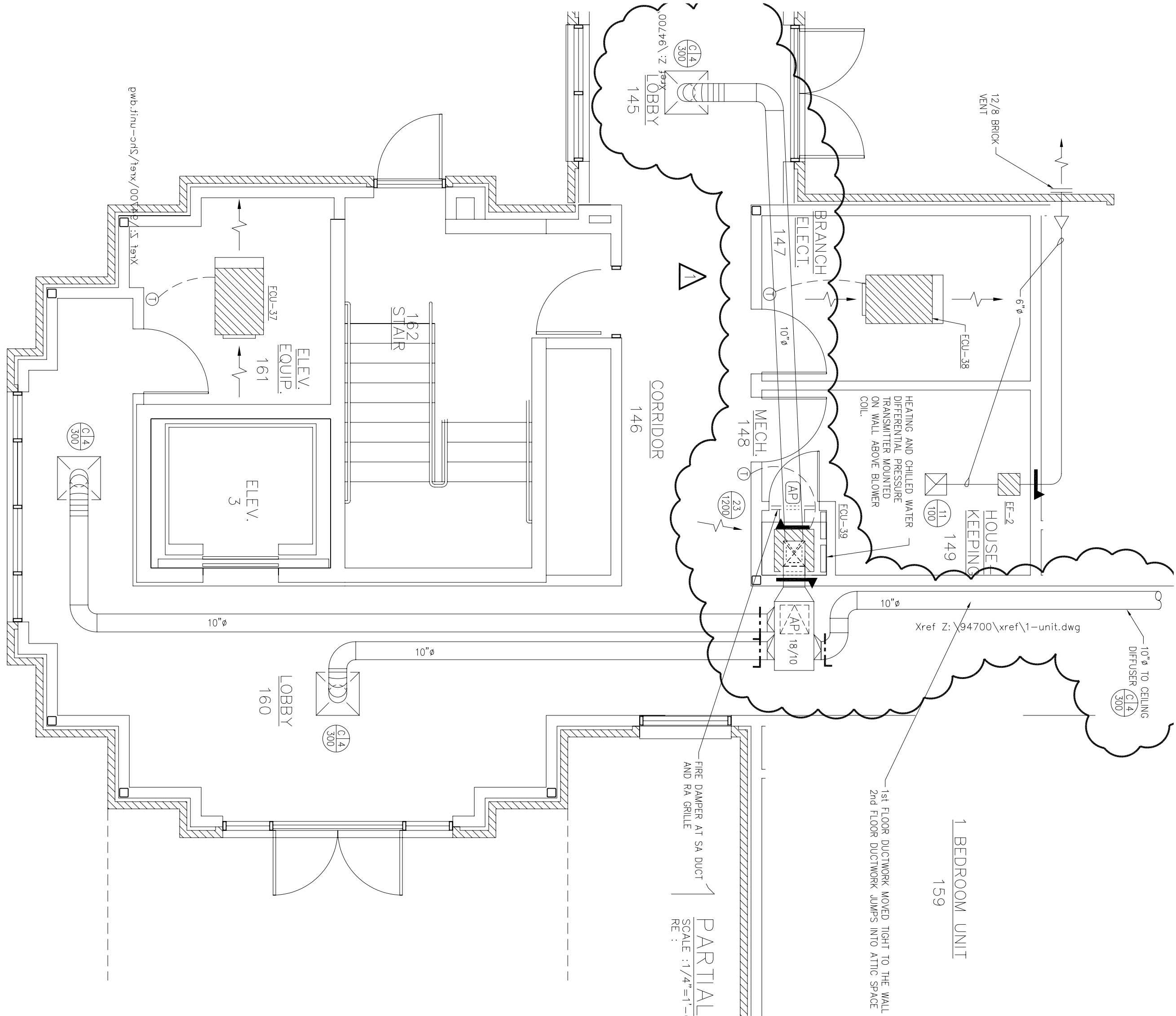
OWN ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

No.	Revision/Issue	Date	BY	APP'D
2	Complete rework of ductwork for entire area			
1	Ductwork locations changed to accomodate lack of space			

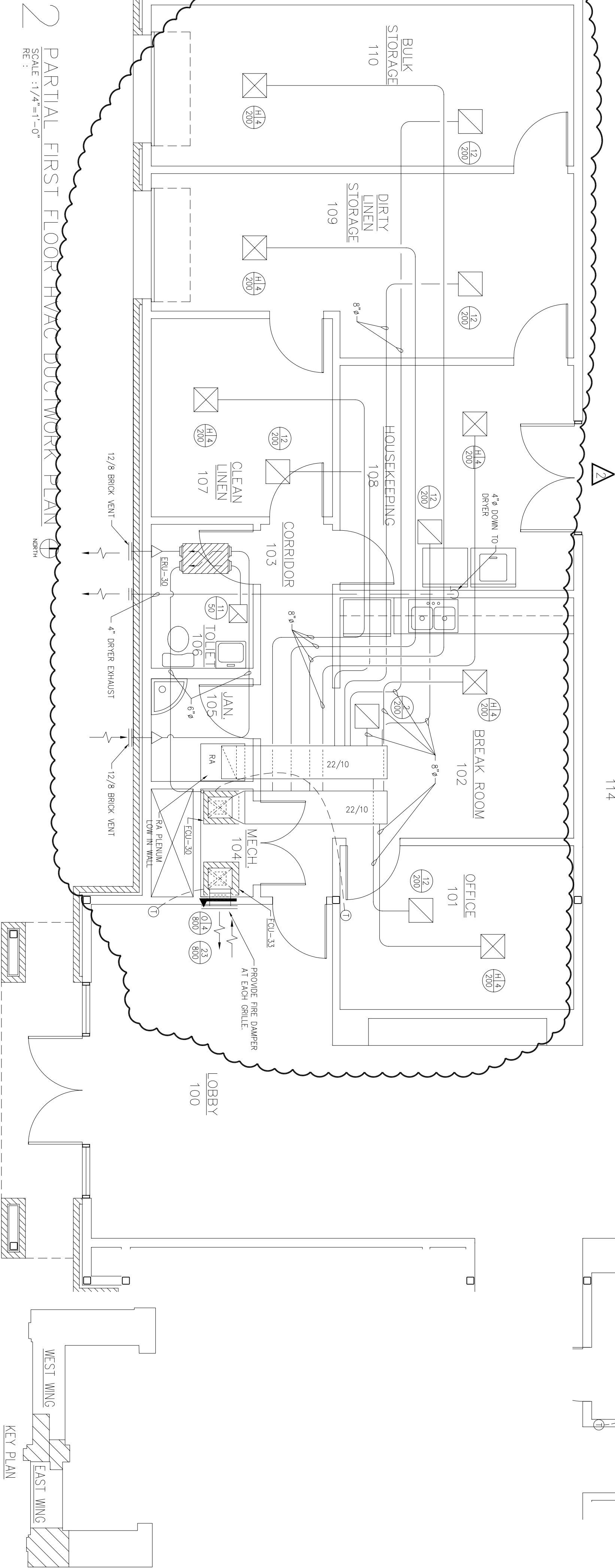
PROJECT TITLE
TEMPORARY LODGING
FACILITY

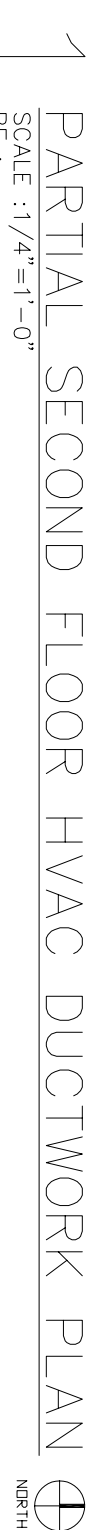
SHEET TITLE
PARTIAL FIRST FLOOR
HVAC PLANS
AS-BUILT

DRAWN BY TNS	LEAD DESIGNER WET
TECH REVIEWER	FILE LOCATION
DESIGNED BY TNS	PROJECT NUMBER NKA02-5001
DATE 28 MAY 2002	SHEET M10
SCALE AS NOTED	77 of 108



2 PARTIAL FIRST FLOOR HVAC DUCTWORK PLAN
SCALE: 1/4"=1'-0"
REF: 1
NORTH

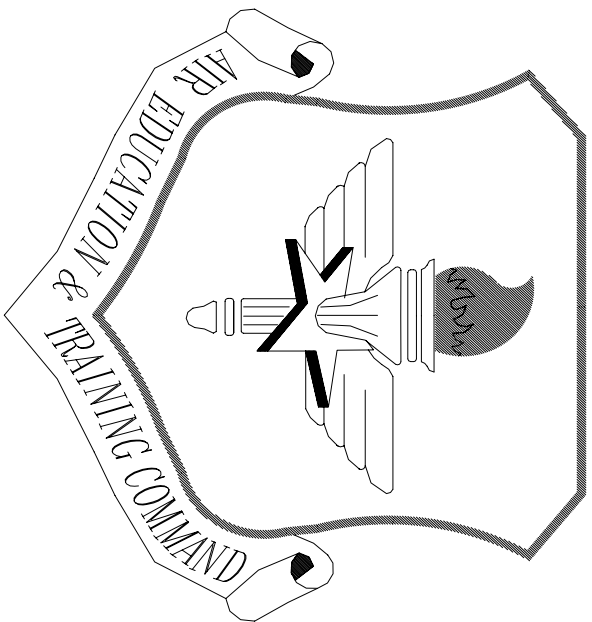




CIVIL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

1	No Changes from Design to As-Built			
No.	Revision/Issue	Date	BY	APP'D

PROJECT TITLE		TEMPORARY LODGING FACILITY	
SHEET TITLE		PARTIAL SECOND FLOOR PLANS - HVAC	
DESIGNED BY	TNS	LEAD DESIGNER	WEI
TECH REVIEWER	TNS	FILE LOCATION	
DATE	28 MAY 2022	PROJECT NUMBER	MMK02-5001
SCALE	AS NOTED	SHEET	M111
		78 OF 108	



LITTLE ROCK A.F.B.
ARKANSAS

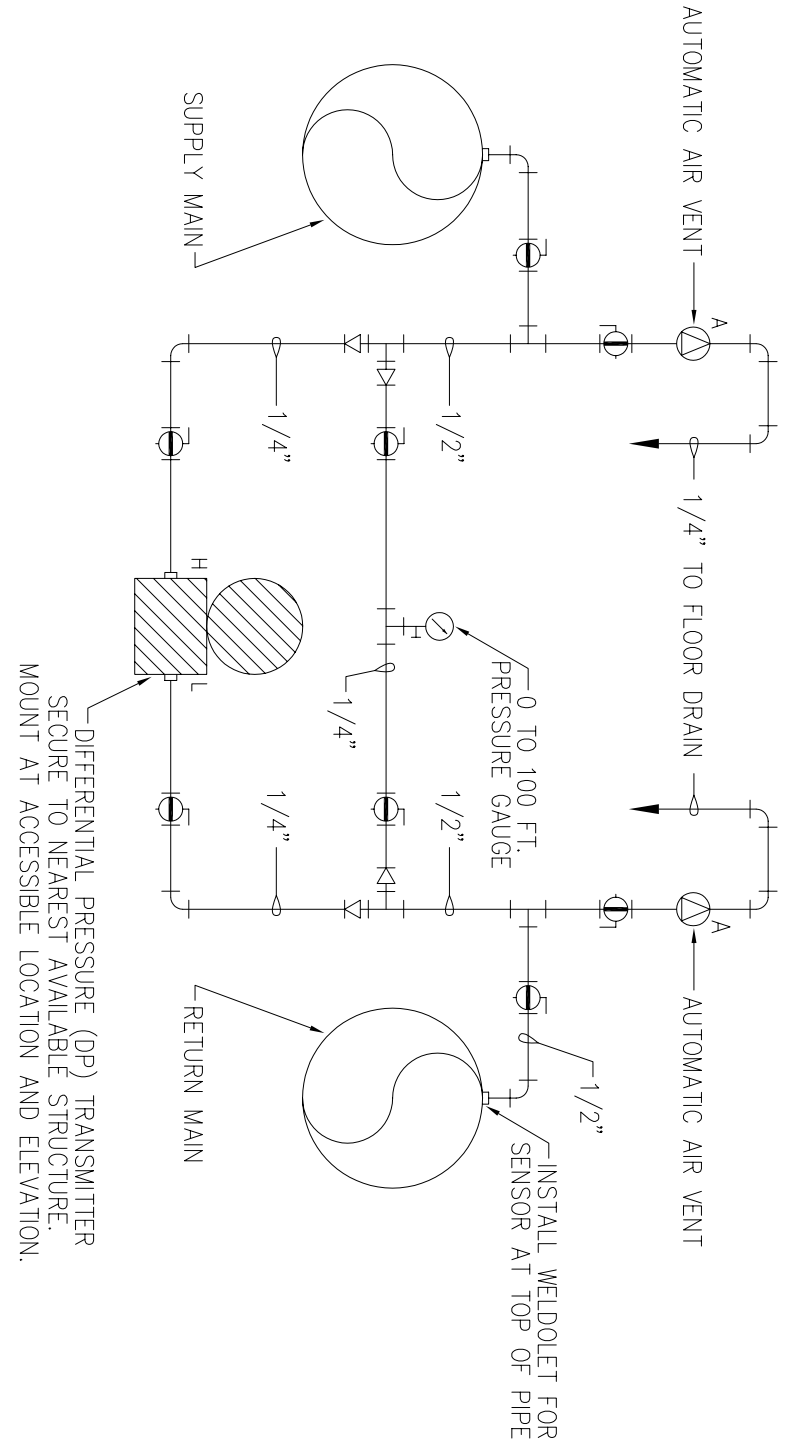
OWE ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

APP'D	BY	Date	Revision/Issue	No.
			No Changes from Design to As-Built	1

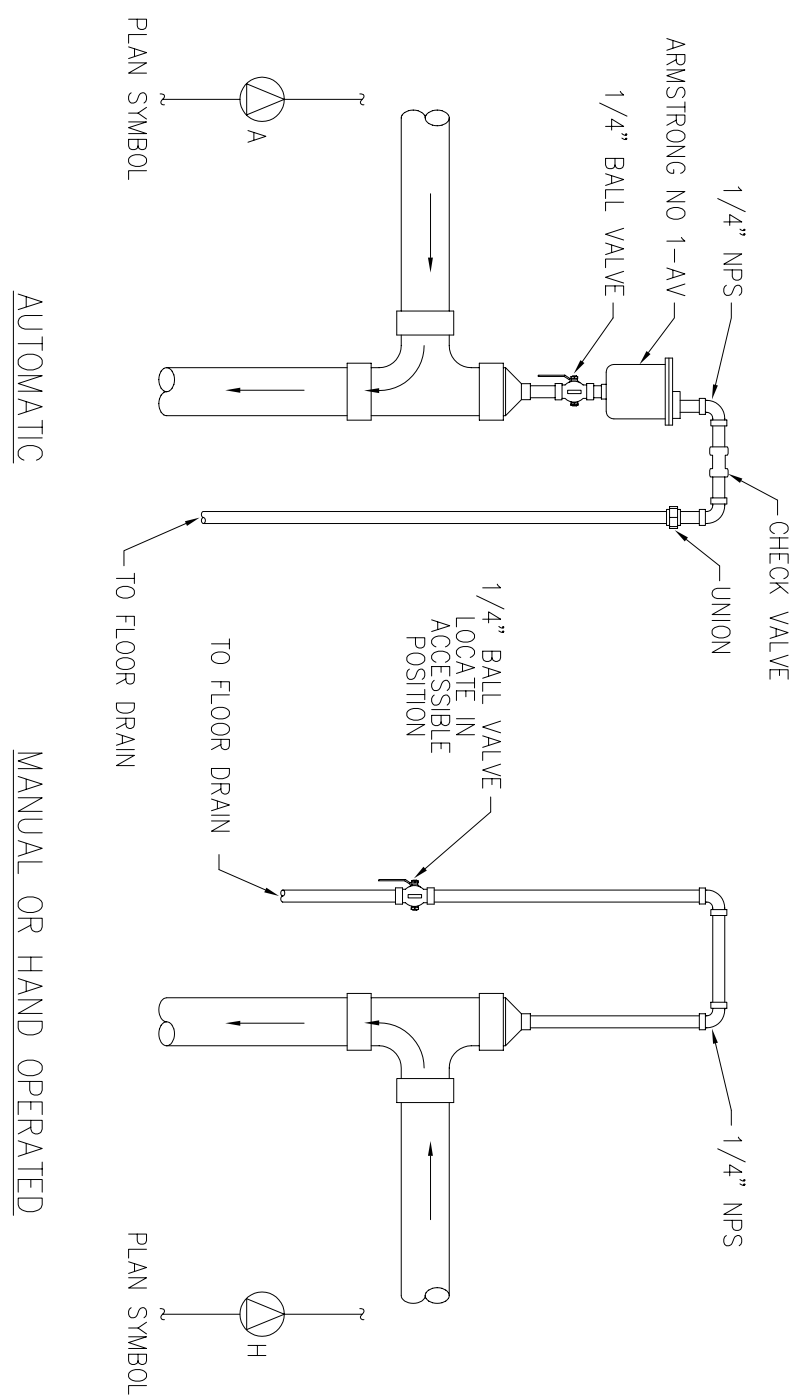
PROJECT TITLE
TEMPORARY LODGING
FACILITY

SHEET TITLE
HVAC DETAILS
AS-BUILT

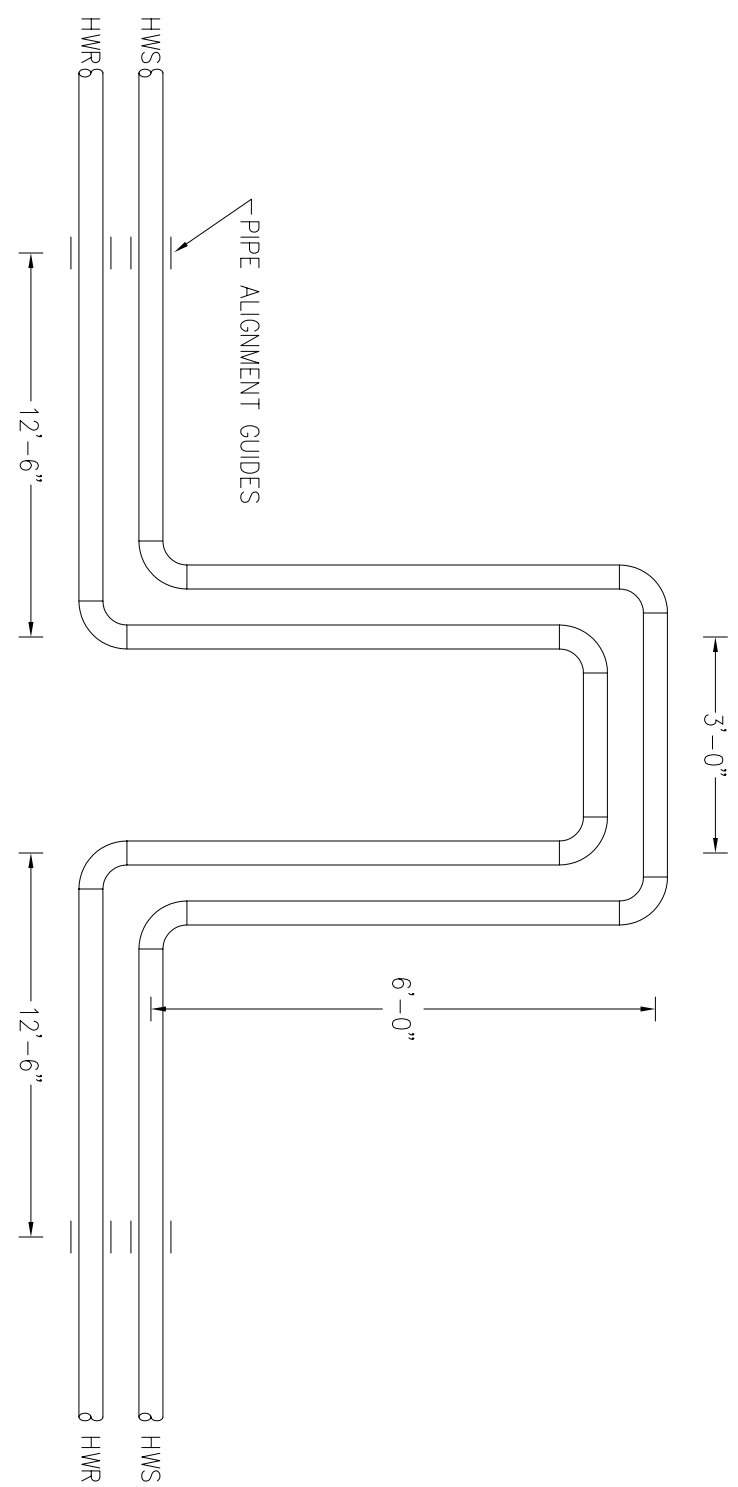
DRAWN BY VWJ	LEAD DESIGNER WET
TECH REVIEWER	FILE LOCATION
DESIGNED BY TNS	PROJECT NUMBER NKA402-5001
DATE 28 MAY 2002	SHEET M12
SCALE NONE	79 of 108



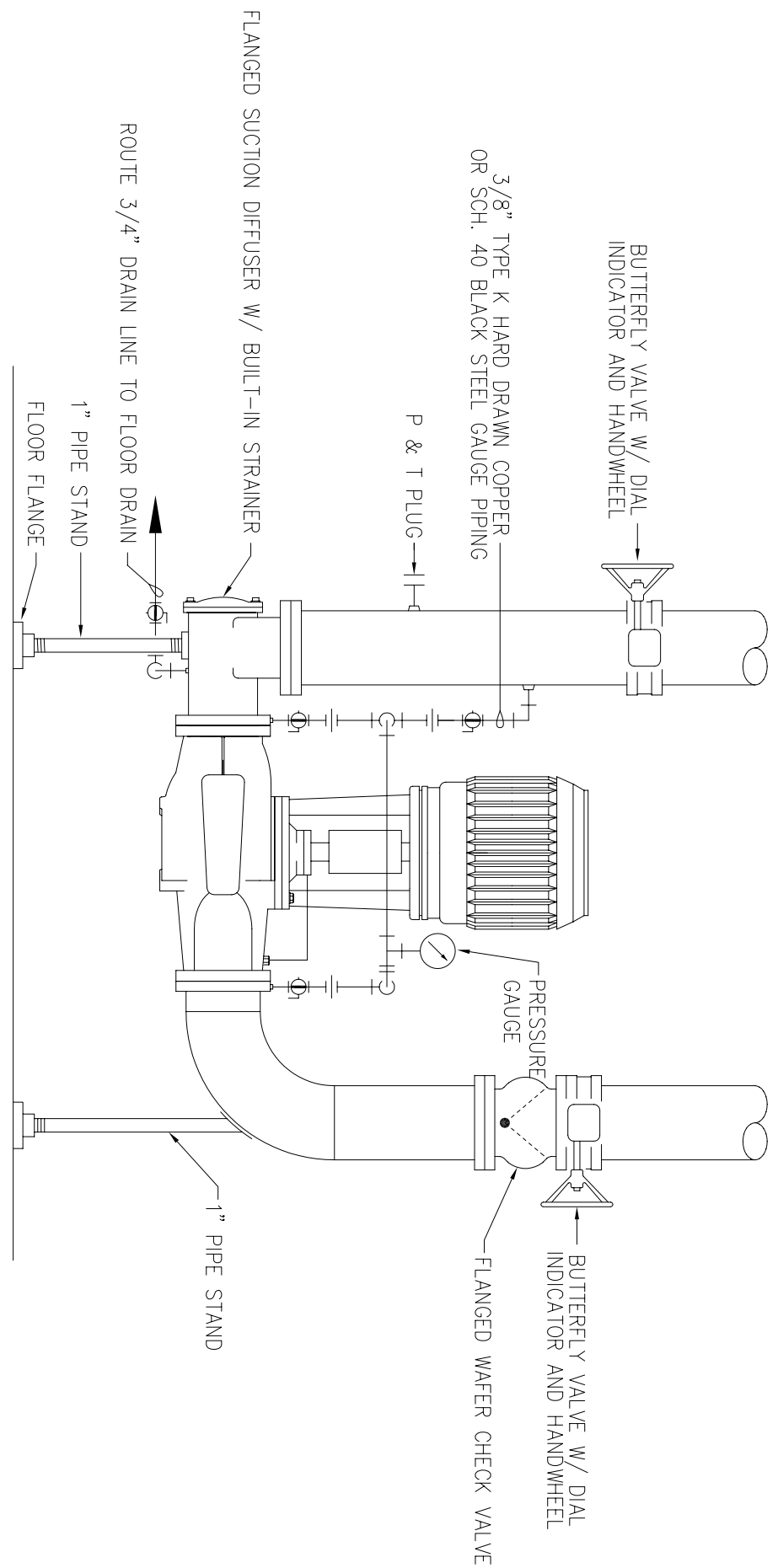
② DIFFERENTIAL PRESSURE TRANSMITTER DETAIL
NOT TO SCALE



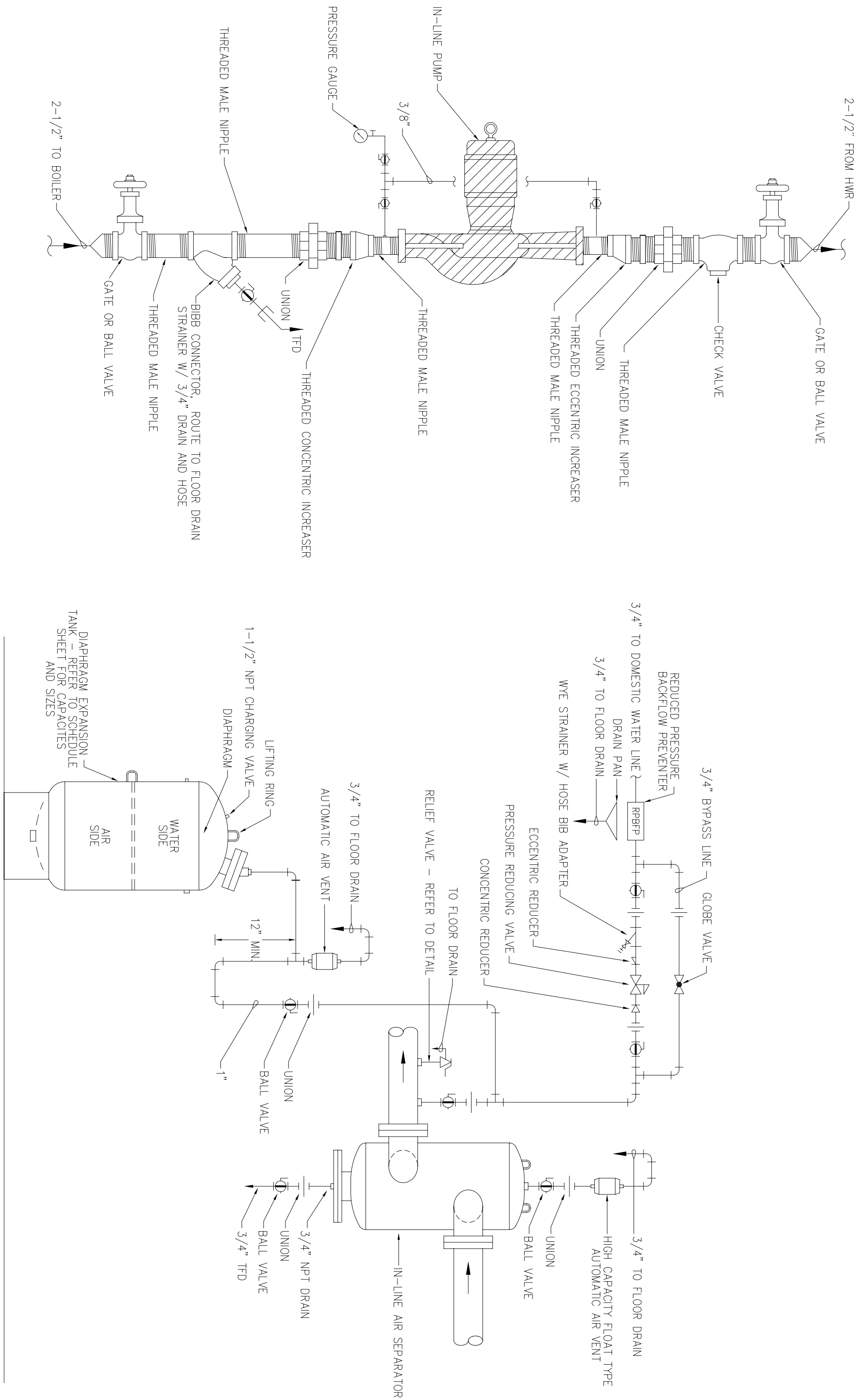
③ AIR ELIMINATOR DETAIL
NOT TO SCALE



⑥ PIPING EXPANSION LOOP DETAIL
NOT TO SCALE



① VERTICAL INLINE PUMP PIPING DETAIL
NOT TO SCALE

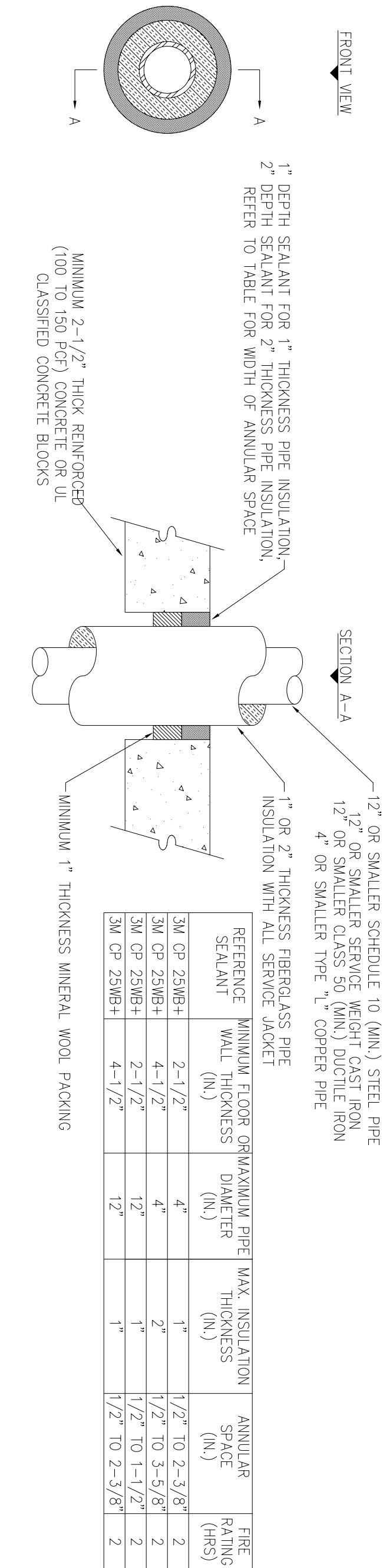


④ BOILER PUMP PIPING DETAIL
NOT TO SCALE

⑤ AIR CONTROL PIPING DETAIL
NOT TO SCALE



LITTLE ROCK A.F.B.
ARKANSAS



NOTE: THIS DETAIL REPRESENTS ONE MANUFACTURER'S RECOMMENDATION FOR A WALL TYPE. THE CONTRACTOR SHALL CONSULT THE FIRE STOPPING MATERIALS MANUFACTURER FOR SPECIFIC INFORMATION AND SPECIFIC INSTALLATION INSTRUCTIONS FOR THE WALLS AND PARTITIONS

2 INSULATED METAL PIPE PENETRATION THRU RATED CONCRETE FLOOR OR WALL

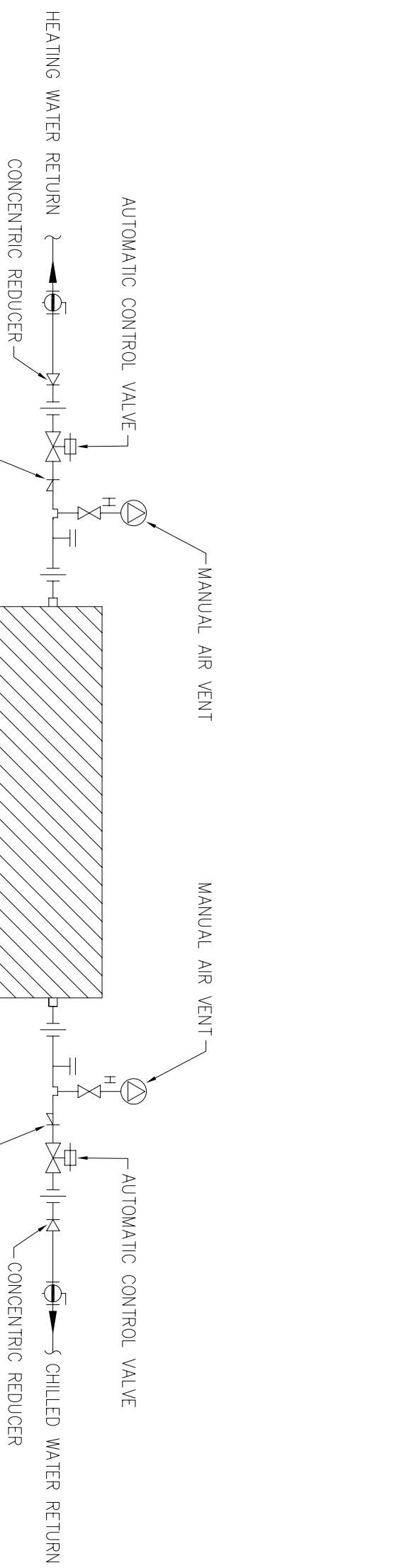
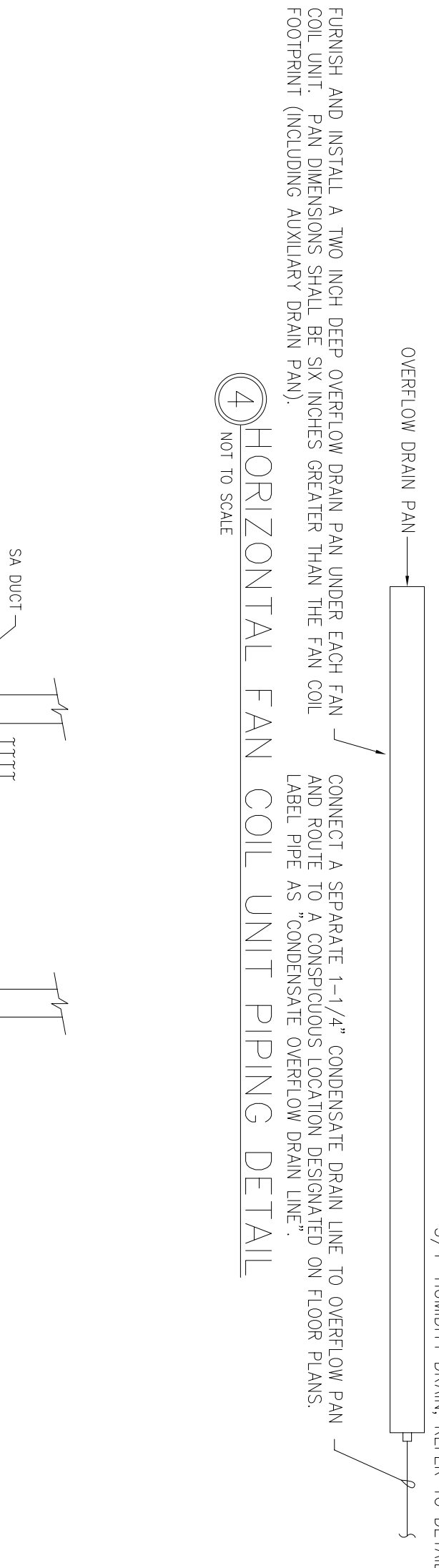


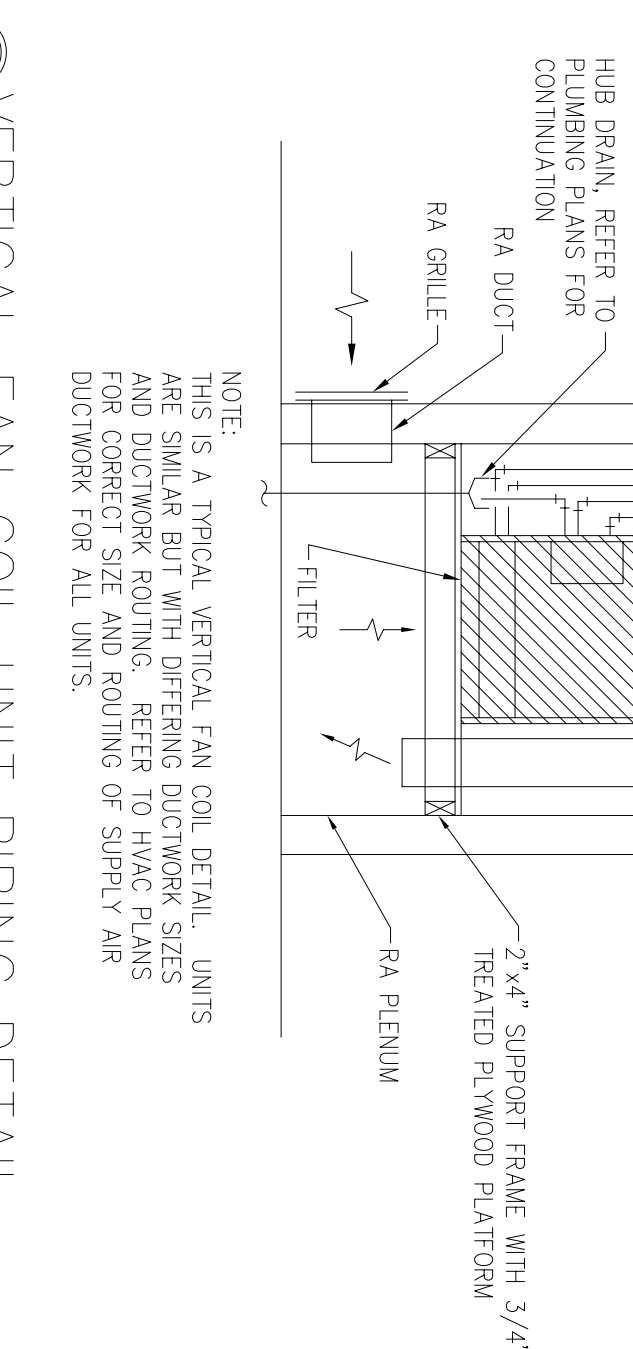
Diagram of a gate or ball valve assembly. The assembly consists of a main body with a handle on top. A union is located on the side of the main body. A strainer with a hose adapter is attached to the bottom of the main body. A drain valve is located at the very bottom of the assembly.



6" ϕ OSA DUCT FROM BRICK FOUNDATION

WATER LINES

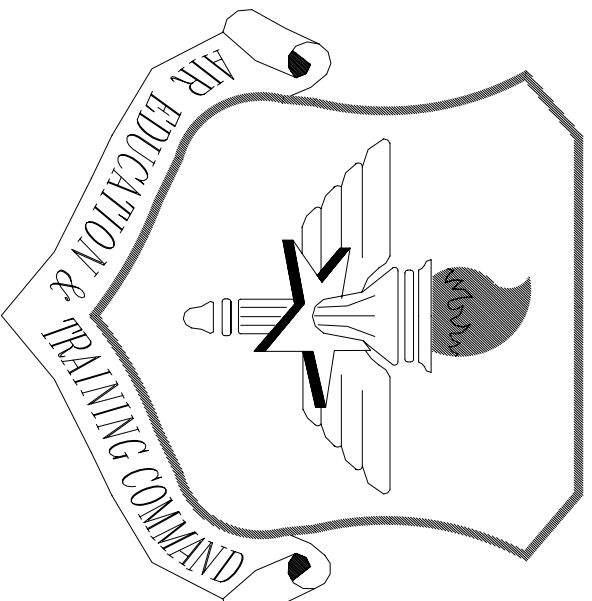
FAN



CIVIL ENGINEER	CHEF ENGINEER
CHEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
PAVE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

CIVIL ENGINEER	CHEF ENGINEER
CHEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
PAVE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

DRAWN BY	VMM	LEAD DESIGNER	WET
TECH REVIEWER		FILE LOCATION	
DESIGNED BY	INS	PROJECT NUMBER	NKA002-5001
DATE	28 MAY 2002	SHEET	M13
SCALE	NONE		80 of 108



LITTLE ROCK A.F.B.
ARKANSAS

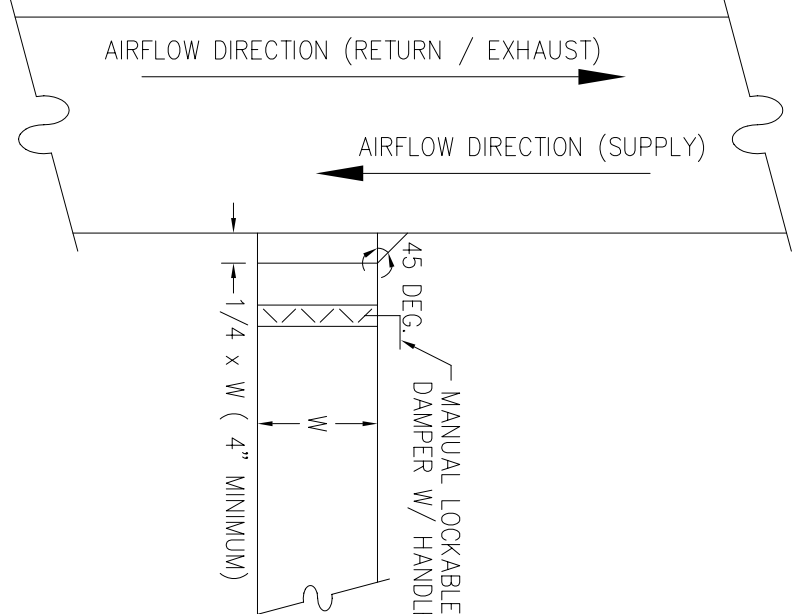
OWN ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USMC AGENCY

APP'D	BY	Date	Revision/Issue	No.
			No Changes from Design to As-Built	1

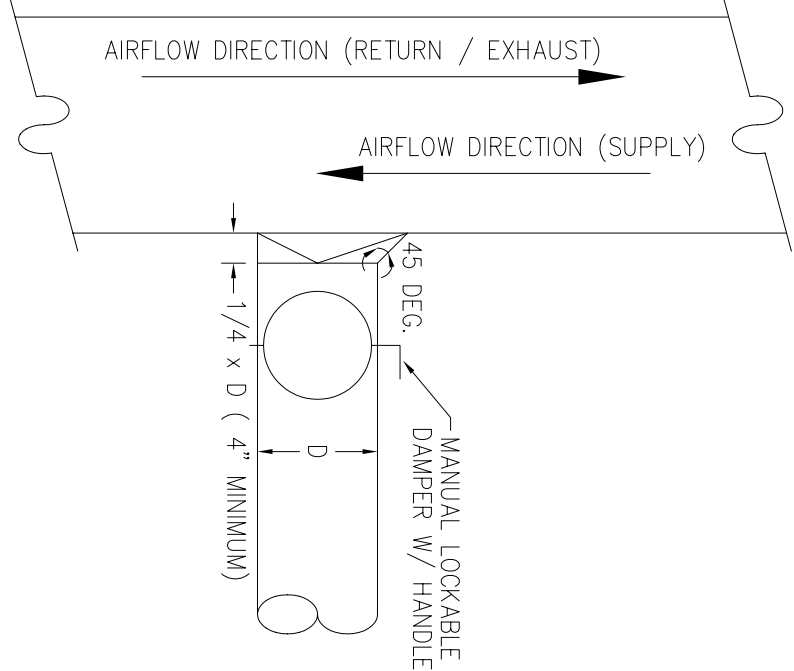
TEMPORARY LODGING
FACILITY

SHEET TITLE
HVAC DETAILS
AS-BUILT

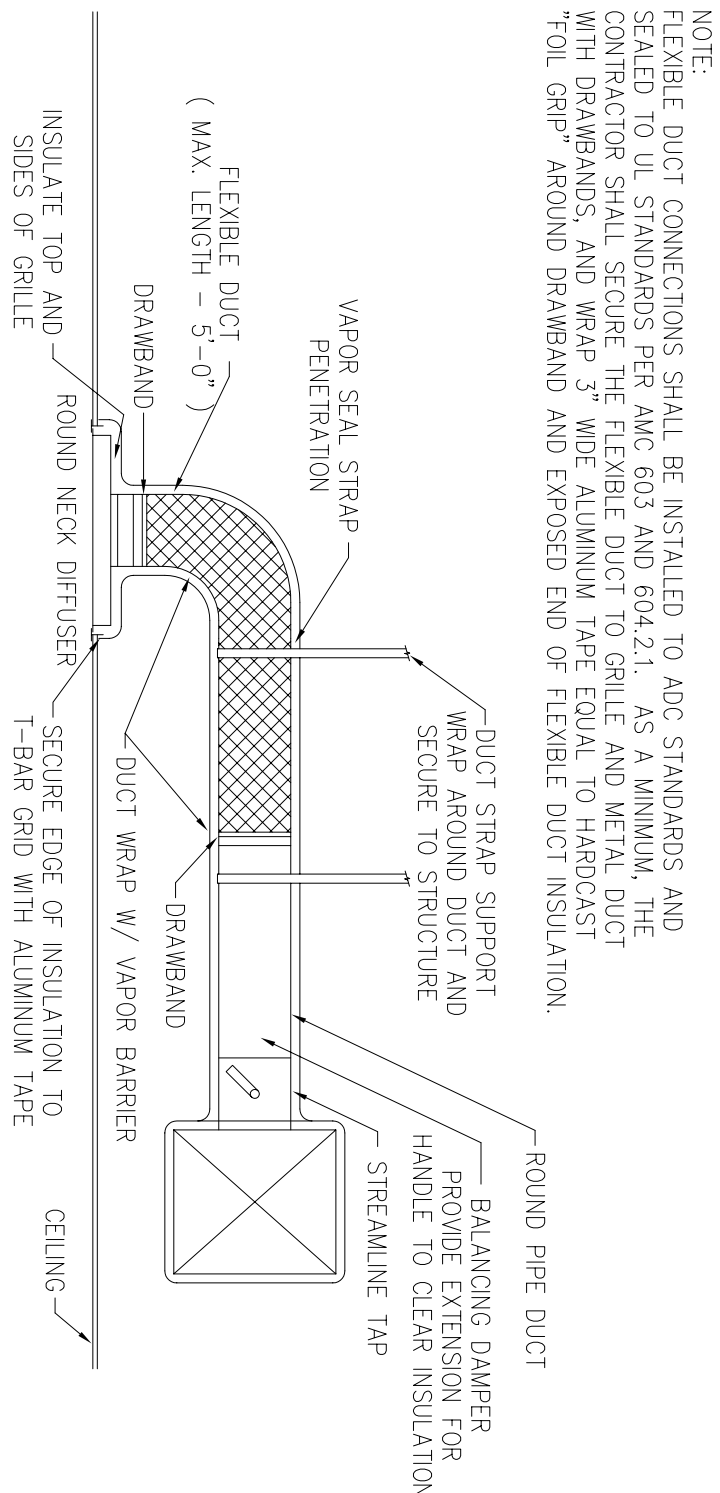
DRAWN BY WMI	LEAD DESIGNER WEL
TECH REVIEWER	FILE LOCATION
DESIGNED BY TNS	PROJECT NUMBER NKA002-5001
DATE 28 MAY 2002	SHEET M14
SCALE AS NOTED	81 of 108



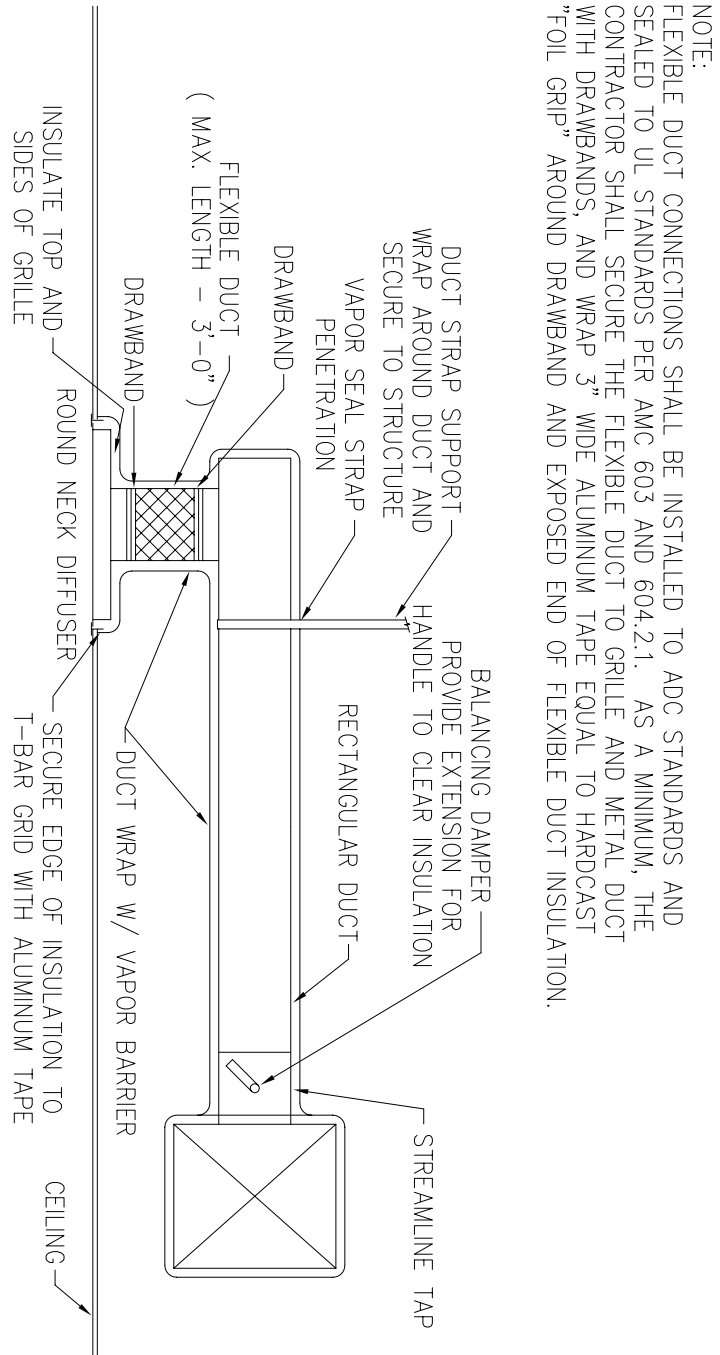
④ RECTANGULAR BRANCH DUCT CONNECTION
NOT TO SCALE



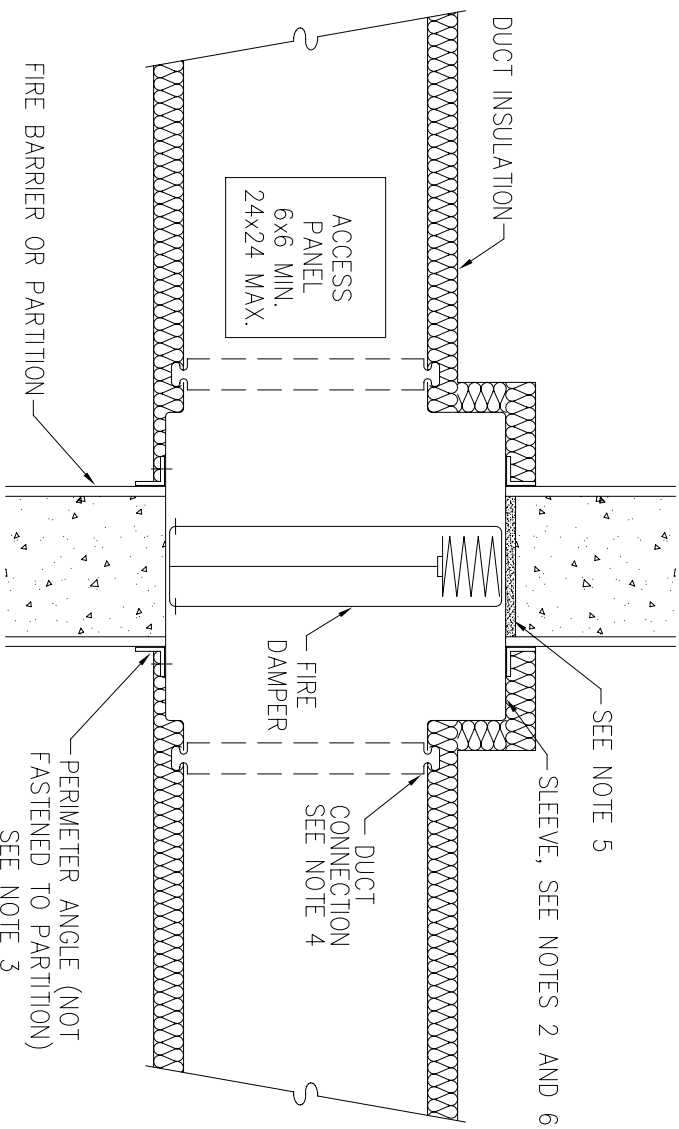
③ ROUND BRANCH DUCT CONNECTION
NOT TO SCALE



② DIFFUSER CONNECTION TO ROUND DUCT
NOT TO SCALE

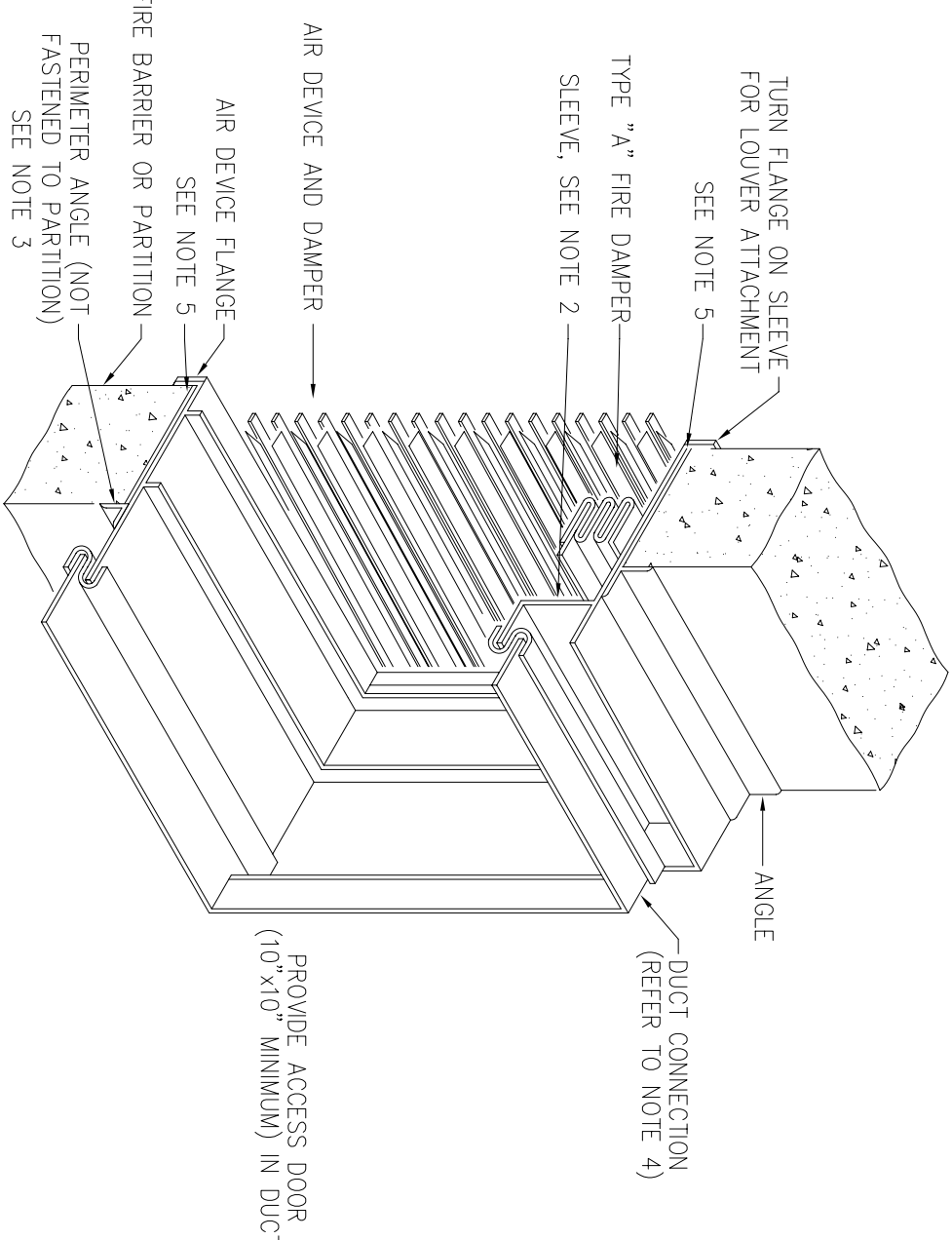


① DIFFUSER CONNECTION TO RECTANGULAR DUCT
NOT TO SCALE

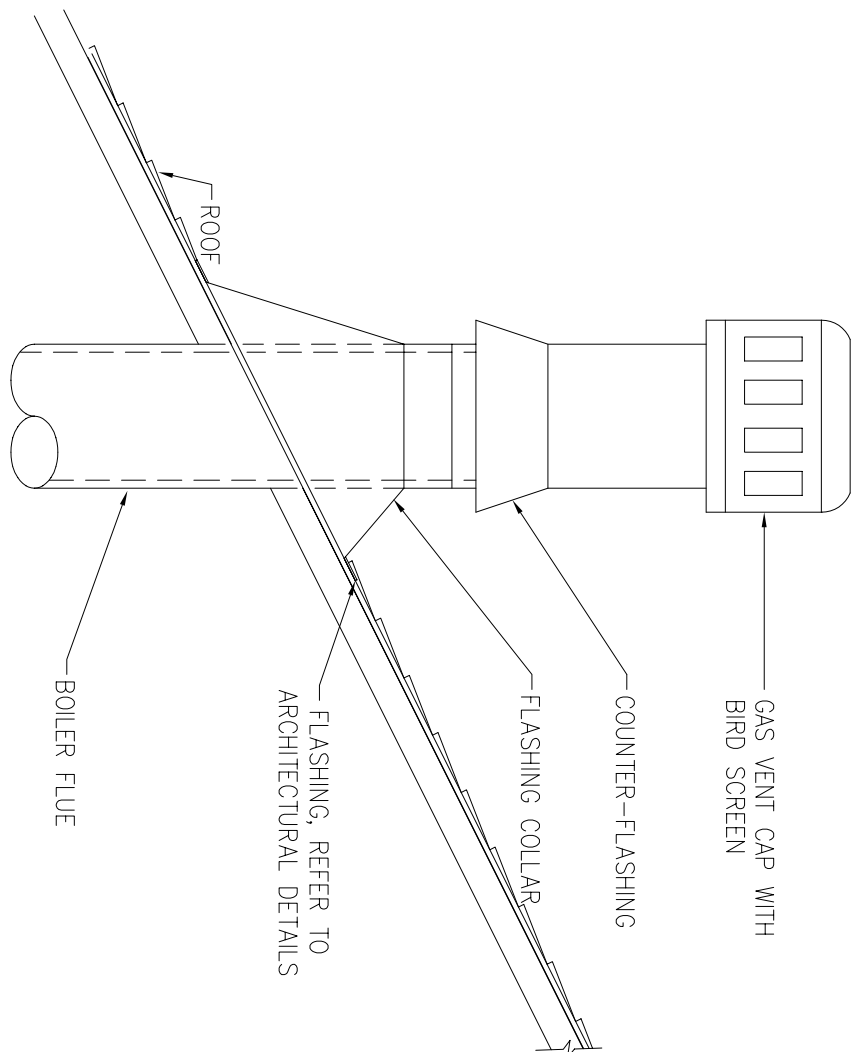


- NOTES:
1. COMPLY W/ SMACNA "FIRE, SMOKE AND RADIATION DAMPER INSTALLATION GUIDE FOR HVAC SYSTEMS" AND NFPA 90A "INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS".
 2. GALVANIZED STEEL PERIMETER GAGE SHALL NOT BE LESS THAN 1-1/2x1-1/2x1/4 GAGE WITH 1" MINIMUM CONNECTED DUCT.
 3. GALVANIZED STEEL PERIMETER ANGLE NOT LESS THAN 1-1/2x1-1/2x1/4 GAGE WITH 1" MINIMUM OVERLAP ON ALL SIDES.
 4. BREAKAWAY DUCT CONNECTION, REFER TO SMACNA FIGURE 2-2 "UL ACCEPTED DUCT-SLEEVE CONNECTIONS" OF FIRE, SMOKE AND RADIATION DAMPER INSTALLATION GUIDE. UL TESTED DUCT SEALANT MAY BE USED.
 5. PROVIDE 1/4" TO 1/2" CLEARANCE ON HEIGHT AND WIDTH. FILL OPEN SPACE WITH FIRE STOPPING MATERIAL.
 6. FIRE DAMPER SLEEVE TO EXTEND 6" MINIMUM ON EACH SIDE.

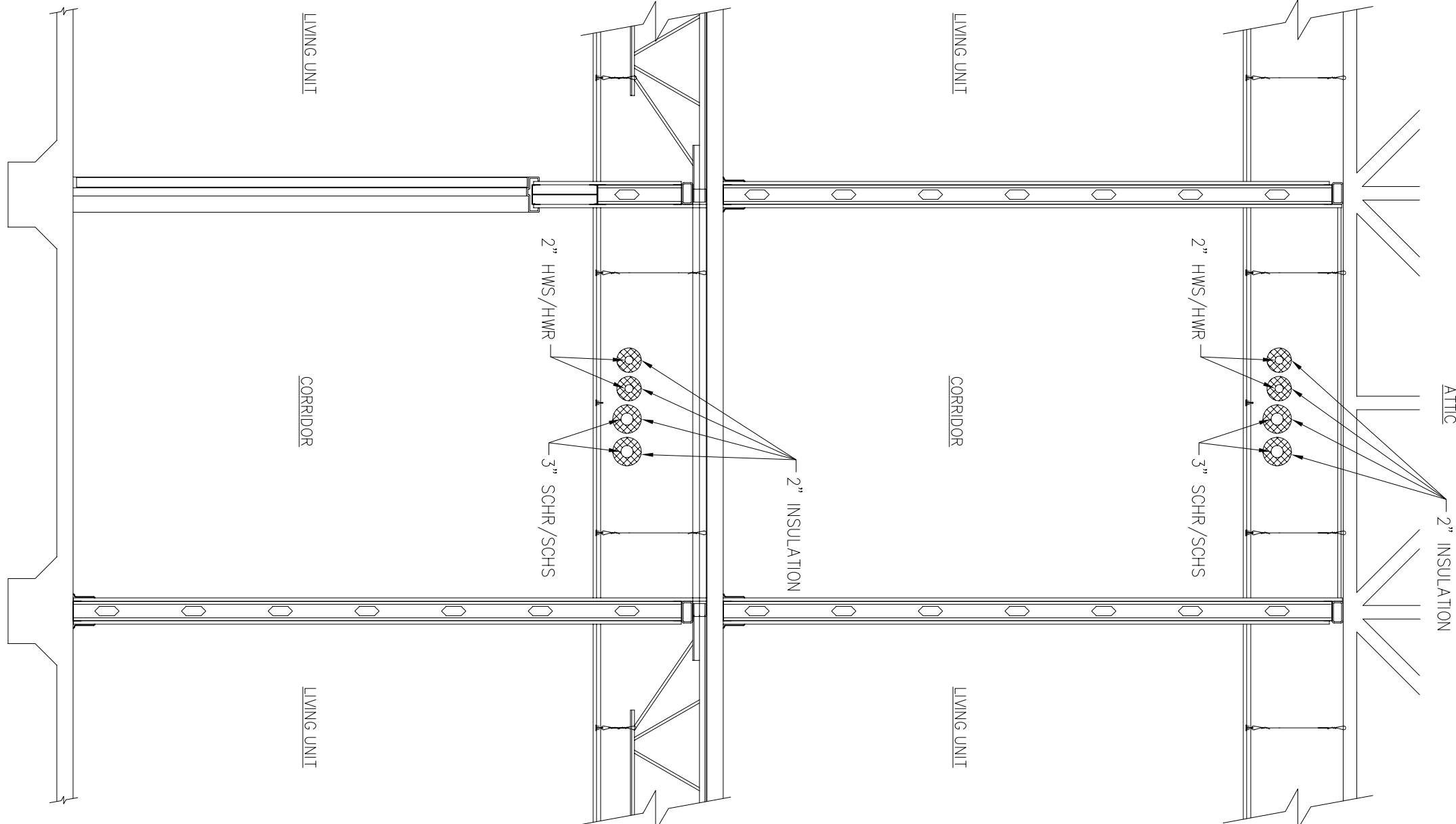
⑦ VERTICAL FIRE DAMPER DETAIL
NOT TO SCALE



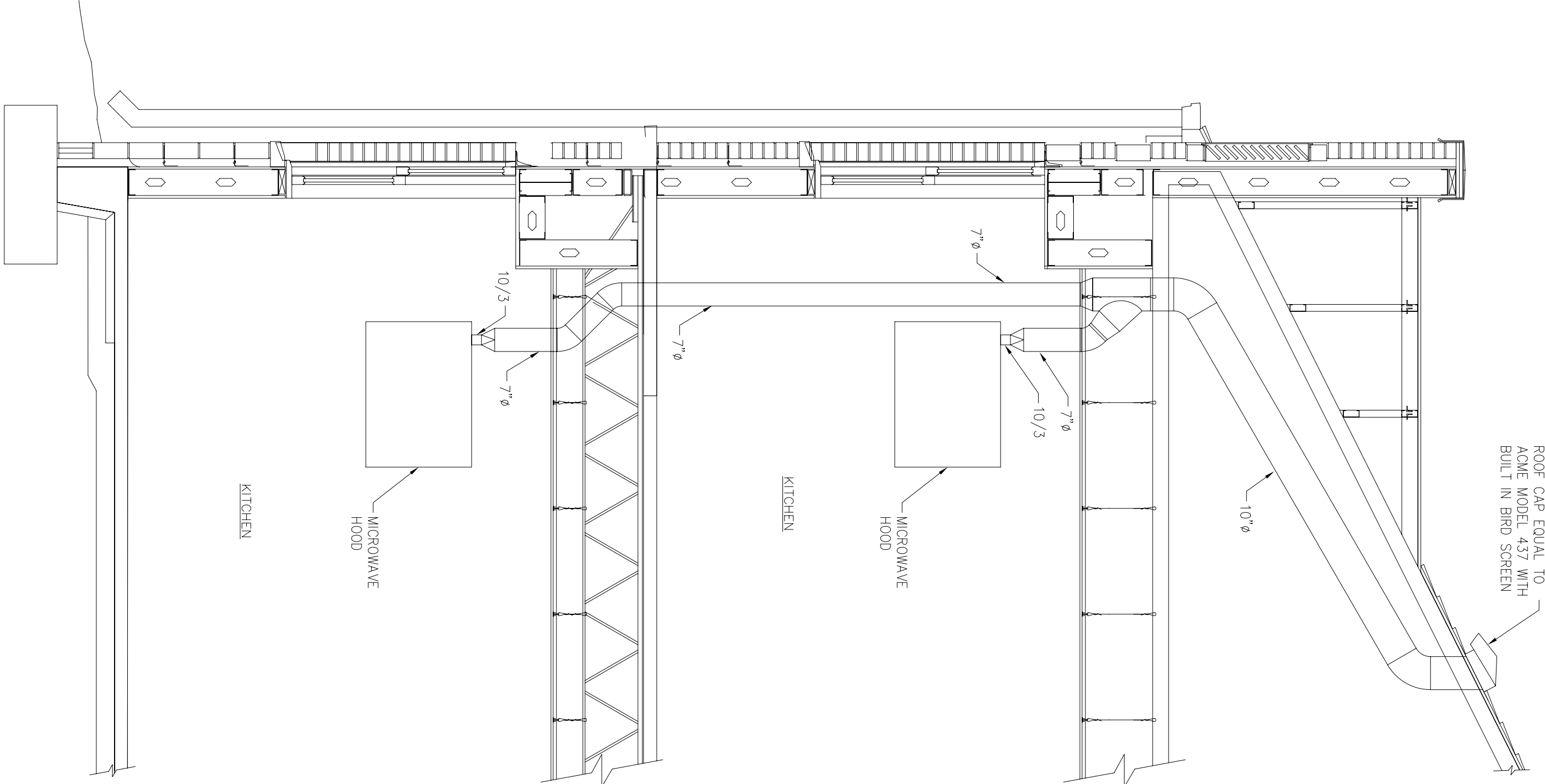
⑧ FIRE DAMPER AT GRILLE
NOT TO SCALE



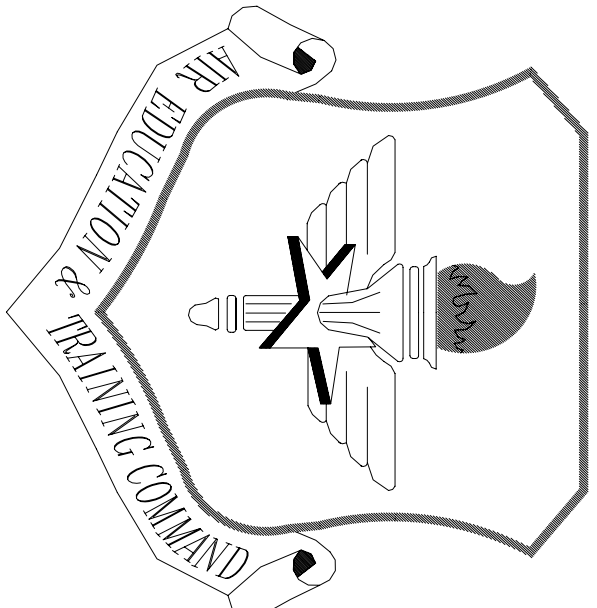
⑨ BOILER STACK DETAIL
NOT TO SCALE



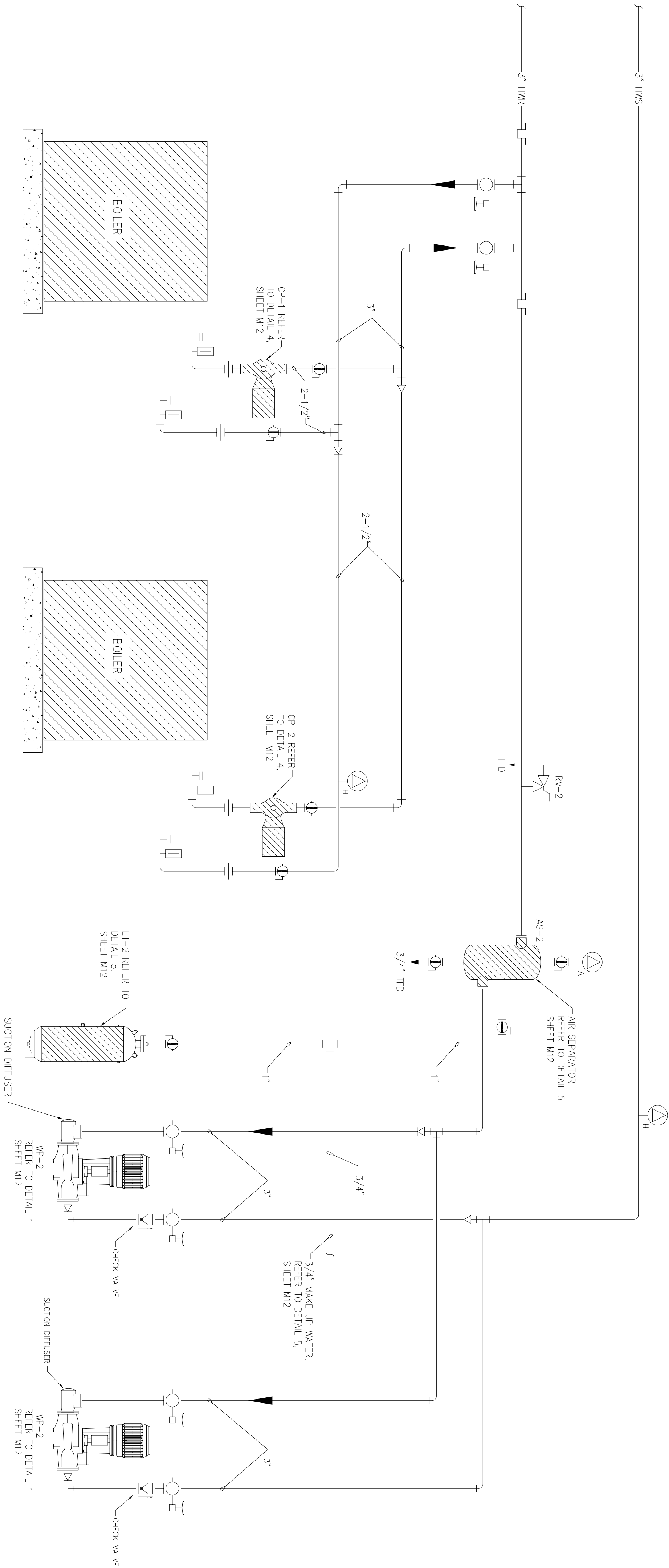
⑥ SECTION THRU TYPICAL CORRIDOR
3/8"-1'-0"



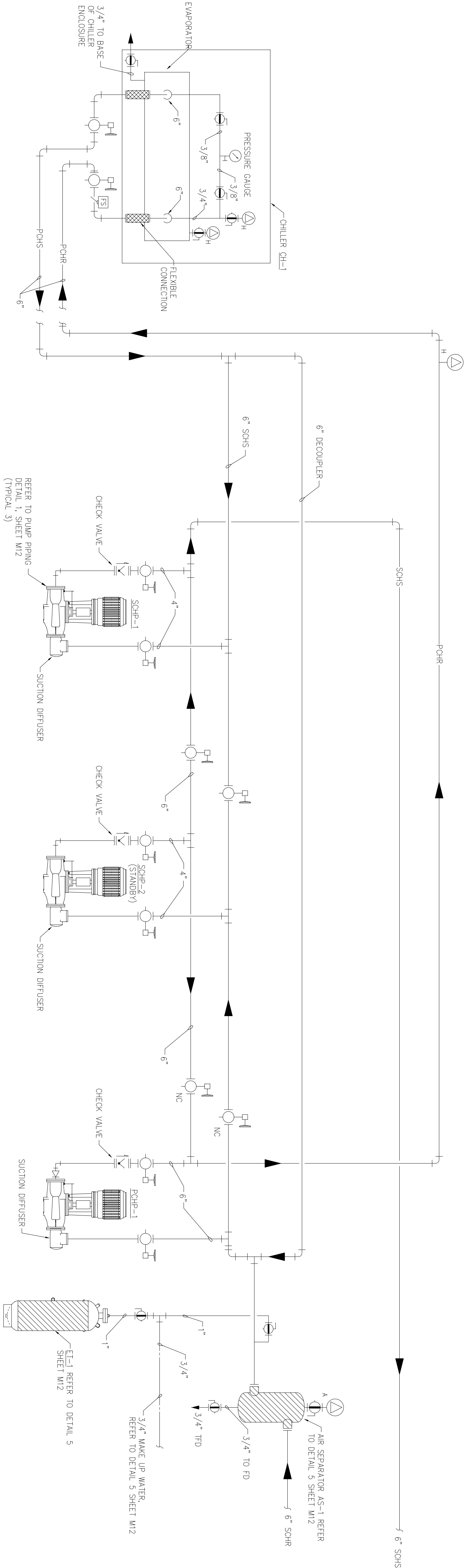
⑤ VENT HOOD EXHAUST SECTION
3/8"-1'-0"



LITTLE ROCK A.F.B.
ARKANSAS



① HEATING WATER FLOW DIAGRAM
SCALE: NONE



② CHILLED WATER FLOW DIAGRAM
SCALE: NONE

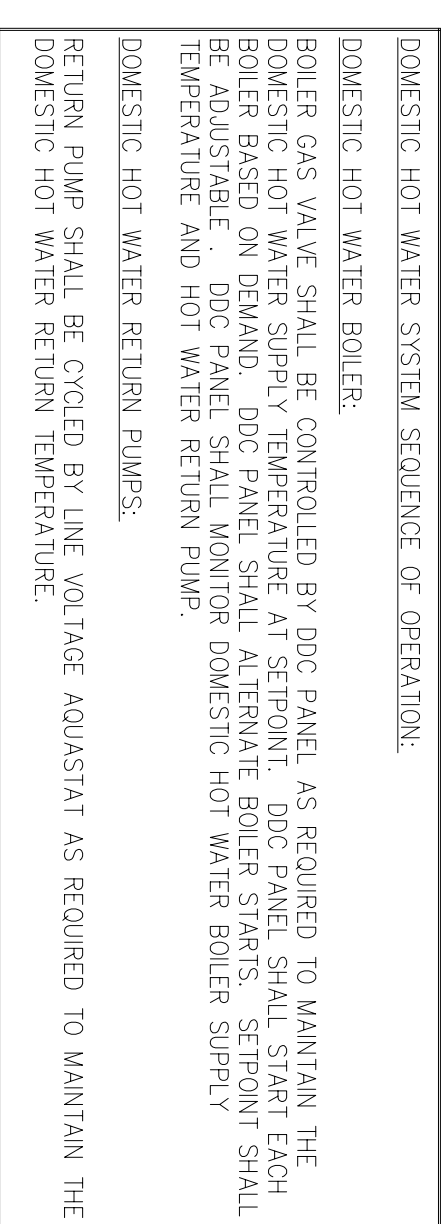
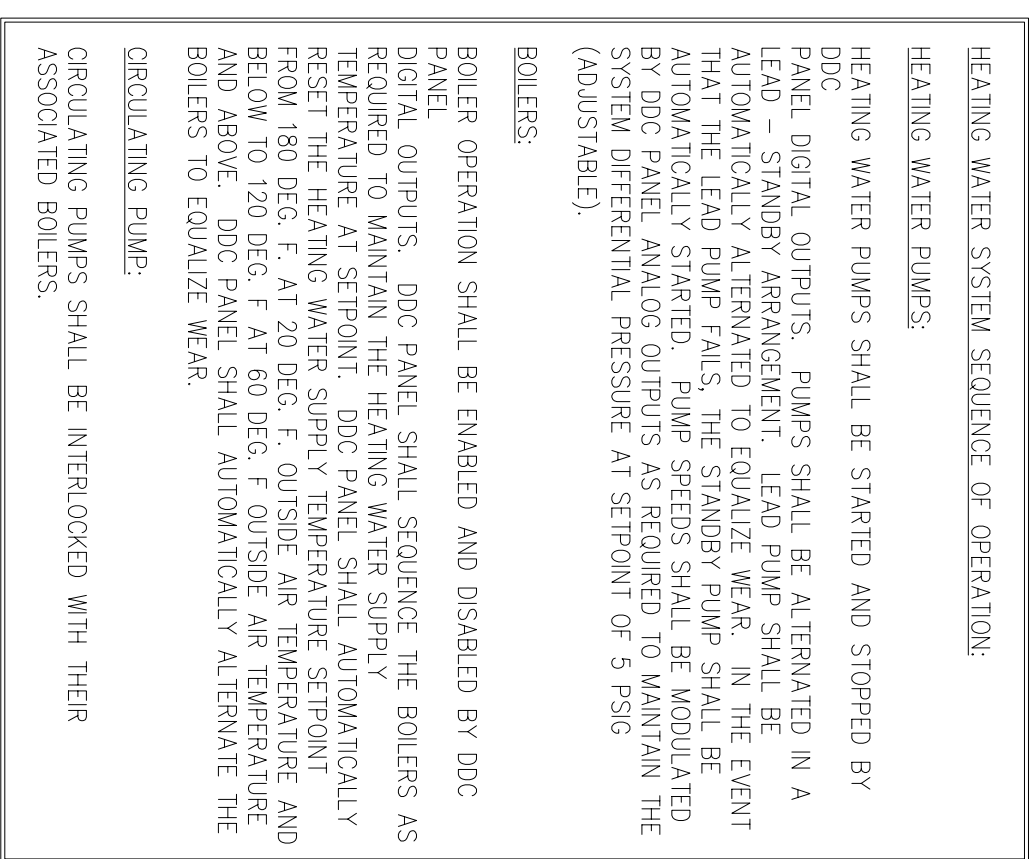
CIVIL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

APP'D	BY	Date	Revision/Issue	No.
			No Changes from Design to As-Built	1

PROJECT TITLE
TEMPORARY LODGING
FACILITY

SHEET TITLE
HVAC FLOW DIAGRAMS
AS-BUILT

DRAWN BY TNS	LEAD DESIGNER WET
TECH REVIEWER TNS	FILE LOCATION
DESIGNED BY TNS	PROJECT NUMBER MKA02-5001
DATE 28 MAY 2002	SHEET M15
SCALE NONE	82 of 108

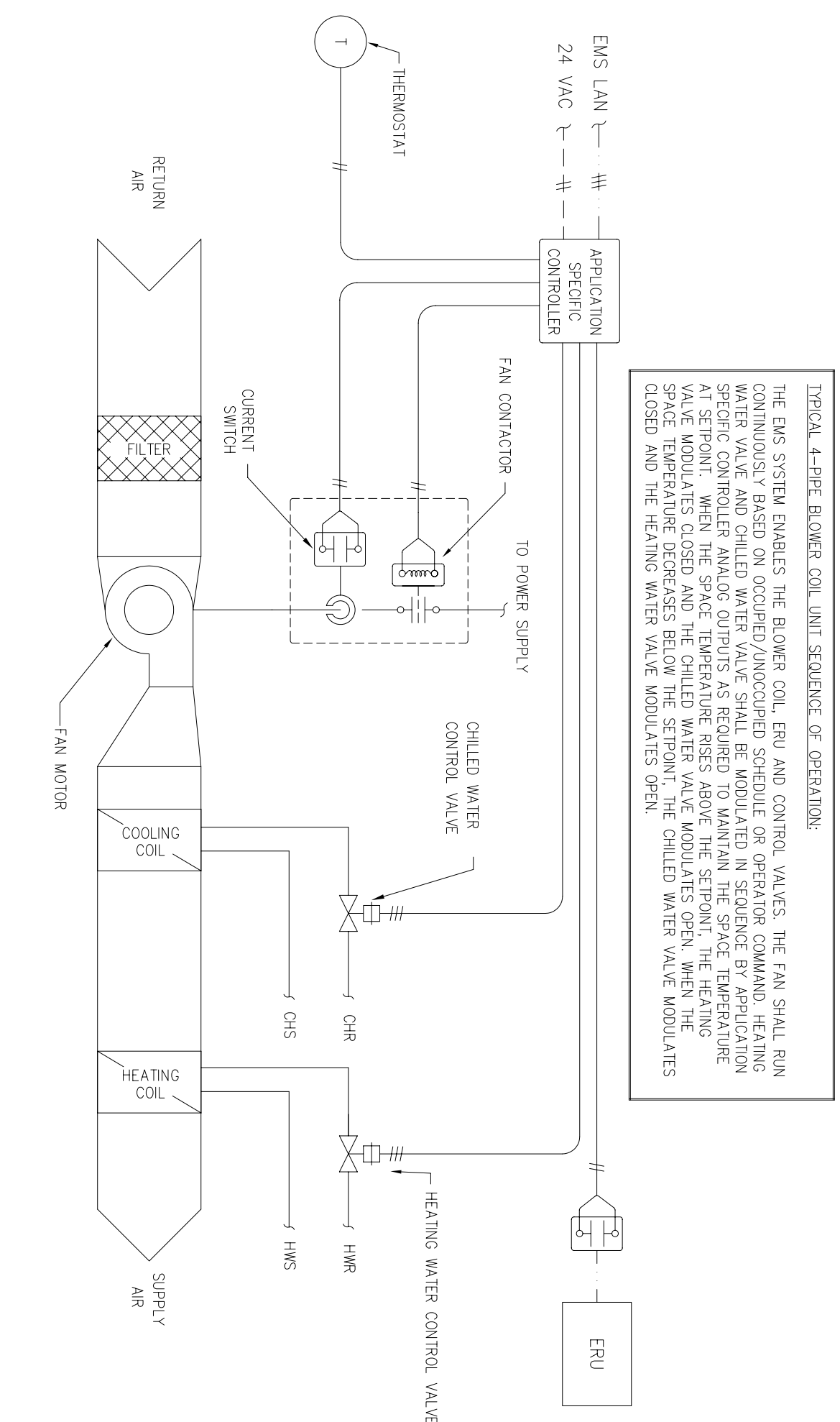


1	No Changes from Design to As-Built			
No.	Revision/Issue	Date	BY	APP'D

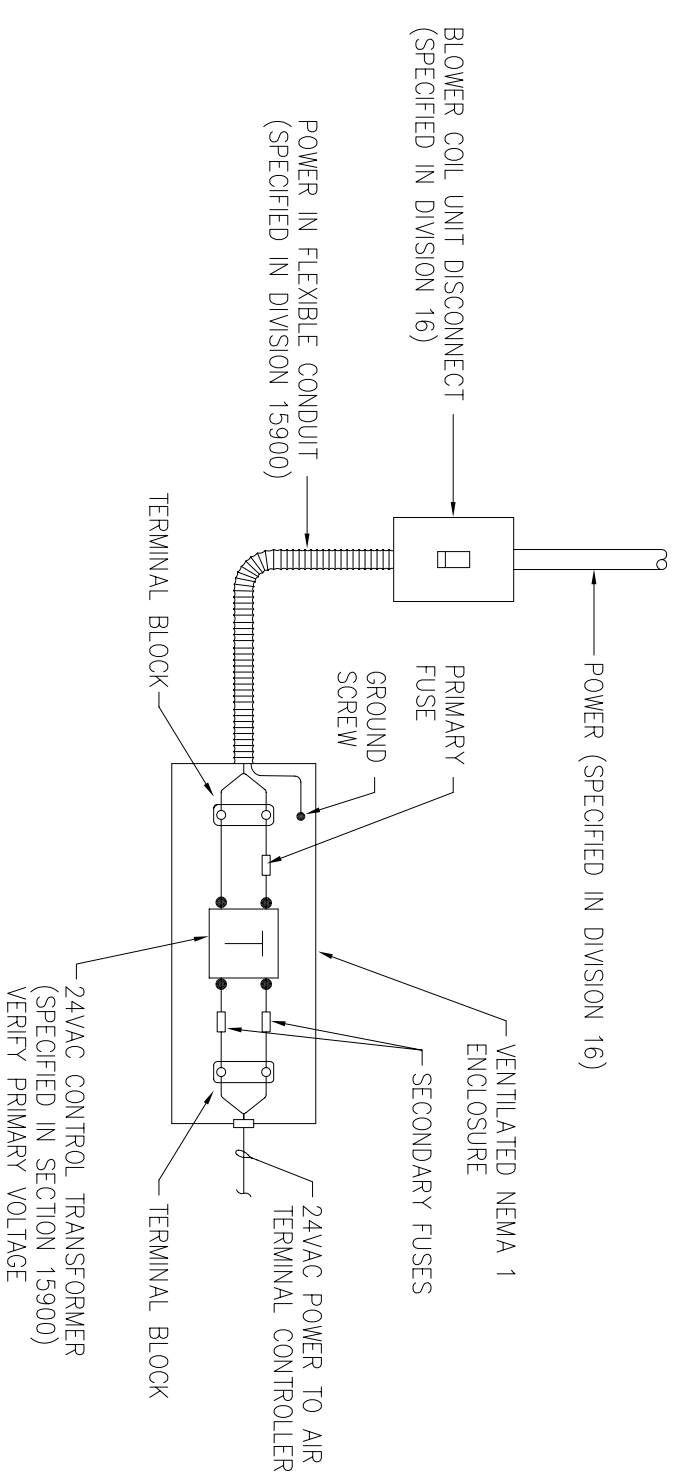
DRAWN BY	INS	LEAD DESIGNER	MEI
TECH REVIEWER		FILE LOCATION	
DESIGNED BY	INS	PROJECT NUMBER	INAA02-5001
DATE	28 MAY 2002	SHEET	M16
SCALE	NONE		83 of 108

SHEET TITLE
HVAC CONTROL
DIAGRAMS
AS-BUILT

TEMPORARY LODGING FACILITY



2 TYPICAL BLOWER COIL UNIT CONTROL DIAGRAM
SCALE : NTS



4 BLOWER COIL UNIT CONTROLLER POWER SUPPLY DETAIL
SCALE : NTS



1	No Changes from Design to As-Built			
No.	Revision/Issue	Date	BY	APP'D

DRAWN BY	NS	LEAD DESIGNER	WEI
TECH REVIEWER		FILE LOCATION	
DESIGNED BY	NS	PROJECT NUMBER	MAA02-5001
DATE	28 MAY 2002	SHEET	M17
SCALE	NONE		84 of 108

FAN COILS (4 PIPE)										FAN PERFORMANCE										CHILLED WATER COIL										HEATING WATER COIL										REMARKS
DESIGNATION	REFERENCE	TYPE	FAN AIR FLOW (GPM)	FAN STATIC PRESSURE (INCHES W.C.)	EXTERNAL T	FAN SPEED (RPM)	SHOE	MOTOR HP	VOLUME	PHASE	AIR FLOW (GPM)	EAT (WB)	LAT	TOTAL	EWI	LMT	ROWS	COL WID (FT. x IN.)	GPM	AIR FLOW (GPM)	EAT (WB)	LAT	TOTAL	EWI	LMT	ROWS	COL WID (FT. x IN.)	GPM												
FOU-1	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.31	1.0	1221	BELT	0.33	1/2	208	1	900	75	63	54.2	19.1	45	52.1	4	4.1	4.8	900	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-2	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	900	1.42	1.0	1277	BELT	0.40	3/4	208	1	800	75	63	54.2	25.4	45	53.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-3	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.31	1.0	1221	BELT	0.33	1/2	208	1	800	75	63	54.2	19.1	45	53.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-4	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	900	1.42	1.0	1277	BELT	0.40	3/4	208	1	900	75	63	54.2	25.4	45	53.0	4	4.1	4.8	900	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-5	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.20	1.0	1185	BELT	0.25	1/2	208	1	800	75	63	54.3	16.8	45	52.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-6	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.31	1.0	1221	BELT	0.33	1/2	208	1	800	75	63	54.3	16.8	45	53.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-7	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-8	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	600	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-9	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	600	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-10	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	600	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-11	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	600	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-12	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.31	1.0	1221	BELT	0.33	1/2	208	1	800	75	63	54.3	16.8	45	53.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-13	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	600	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-14	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	600	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-15	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	600	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-16	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	600	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-17	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	600	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-18	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	600	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-19	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	600	1.20	1.0	1185	BELT	0.25	1/2	208	1	600	75	63	54.3	16.8	45	52.0	4	4.1	4.8	600	60	114.9	35.6	180	144.4	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-20	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.31	1.0	1221	BELT	0.33	1/2	208	1	800	75	63	54.3	16.8	45	53.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-21	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.31	1.0	1221	BELT	0.33	1/2	208	1	800	75	63	54.3	16.8	45	53.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-22	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.31	1.0	1221	BELT	0.33	1/2	208	1	800	75	63	54.3	16.8	45	53.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-23	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.31	1.0	1221	BELT	0.33	1/2	208	1	800	75	63	54.3	16.8	45	53.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-24	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	900	1.42	1.0	1277	BELT	0.40	3/4	208	1	900	75	63	54.2	25.4	45	52.1	4	5.8	7.2	900	60	107.8	46.5	180	149.0	2	3.4	3	FURNISH WITH 2" PLEATED FILTER									
FOU-25	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.31	1.0	1221	BELT	0.33	1/2	208	1	800	75	63	54.3	19.1	45	53.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-26	24WV / 24 HH-2 NACV / ANE-2	HORIZONTAL	1200	1.44	1.0	1504	BELT	0.62	3/4	208	1	1200	75	63	57.3	23.0	45	50.8	4	6.7	8.0	1200	60	102.4	55.0	180	143.3	2	1.1	3	FURNISH WITH 2" PLEATED FILTER									
FOU-27	24WV / 24 HH-2 NACV / ANE-2	HORIZONTAL	1200	1.39	1.0	1443	BELT	0.59	1/2	208	1	800	75	63	56.3	28.8	45	53.0	4	5.7	6.0	800	60	109.7	32.2	180	147.8	2	1.3	2	FURNISH WITH 2" PLEATED FILTER									
FOU-28	24WV / 24 HH-2 NACV / ANE-2	HORIZONTAL	1200	1.44	1.0	1504	BELT	0.62	3/4	208	1	1200	75	63	57.3	23.0	45	50.8	4	6.7	8.0	1200	60	102.4	55.0	180	143.3	2	1.1	3	FURNISH WITH 2" PLEATED FILTER									
FOU-29	24WV / 24 HH-2 NACV / ANE-2	HORIZONTAL	1200	1.39	1.0	1443	BELT	0.59	1/2	208	1	800	75	63	56.3	28.8	45	53.0	4	5.7	6.0	800	60	109.7	32.2	180	147.8	2	1.3	2	FURNISH WITH 2" PLEATED FILTER									
FOU-30	24WV / 24 HH-2 NACV / ANE-2	HORIZONTAL	1200	1.44	1.0	1504	BELT	0.62	3/4	208	1	1200	75	63	57.3	23.0	45	50.8	4	6.7	8.0	1200	60	102.4	55.0	180	143.3	2	1.1	3	FURNISH WITH 2" PLEATED FILTER									
FOU-31	24WV / 24 HH-2 NACV / ANE-2	HORIZONTAL	1200	1.39	1.0	1443	BELT	0.59	1/2	208	1	800	75	63	56.3	28.8	45	53.0	4	5.7	6.0	800	60	109.7	32.2	180	147.8	2	1.3	2	FURNISH WITH 2" PLEATED FILTER									
FOU-32	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.31	1.0	1221	BELT	0.33	1/2	208	1	800	75	63	56.3	19.1	45	53.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-33	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	800	1.31	1.0	1221	BELT	0.33	1/2	208	1	800	75	63	56.3	19.1	45	53.0	4	4.1	4.8	800	60	106.9	40.5	180	139.5	2	1.5	2	FURNISH WITH 2" PLEATED FILTER									
FOU-34	24WV / 24 HH-2 NACV / ANE-2	HORIZONTAL	1200	1.44	1.0	1504	BELT	0.62	3/4	208	1	1200	75	63	57.3	23.0	45	50.8	4	6.7	8.0	1200	60	102.4	55.0	180	143.3	2	1.1	3	FURNISH WITH 2" PLEATED FILTER									
FOU-35	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	1200	1.72	1.0	1443	BELT	0.71	3/4	208	1	1200	75	63	56.3	28.8	45	53.0	4	5.8	7.2	1200	60	100.5	52.5	180	145.0	2	3.4	3	FURNISH WITH 2" PLEATED FILTER									
FOU-36	24WV / 24 HH-2 NACV / ANE-2	HORIZONTAL	800	1.25	1.0	1377	BELT	0.39	1/2	208	1	800	75	63	57.3	18.3	45	51.1	4	5.7	6.0	800	60	109.7	32.2	180	147.8	2	1.3	2	FURNISH WITH 2" PLEATED FILTER									
FOU-37	24WV / 24 HH-2 NACV / ANE-2	HORIZONTAL	600	1.25	1.0	1347	BELT	0.30	1/2	208	1	600	75	63	55.1	16.2	45	50.4	4	5.7	6.0	600	60	109.7	32.2	180	147.8	2	1.3	2	FURNISH WITH 2" PLEATED FILTER									
FOU-38	24WV / 24 HH-2 NACV / ANE-2	HORIZONTAL	600	1.25	1.0	1347	BELT	0.30	1/2	208	1	600	75	63	55.1	16.2	45	50.4	4	5.7	6.0	600	60	109.7	32.2	180	147.8	2	1.3	2	FURNISH WITH 2" PLEATED FILTER									
FOU-39	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	1200	1.72	1.0	1443	BELT	0.71	3/4	208	1	1200	75	63	56.3	28.8	45	53.0	4	5.8	7.2	1200	60	100.5	52.5	180	145.0	2	3.4	3	FURNISH WITH 2" PLEATED FILTER									
FOU-40	24WV / 24 HH-2 NACV / ANE-2	HORIZONTAL	600	1.25	1.0	1377	BELT	0.39	1/2	208	1	600	75	63	57.3	18.3	45	51.1	4	5.7	6.0	600	60	109.7	32.2	180	147.8	2	1.3	2	FURNISH WITH 2" PLEATED FILTER									
FOU-41	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	900	1.42	1.0	1277	BELT	0.40	3/4	208	1	900	75	63	54.2	25.4	45	52.1	4	5.8	7.2	900	60	107.8	46.5	180	149.0	2	3.4	3	FURNISH WITH 2" PLEATED FILTER									
FOU-42	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	1200	1.72	1.0	1443	BELT	0.71	3/4	208	1	1200	75	63	56.3	28.8	45	53.0	4	5.8	7.2	1200	60	100.5	52.5	180	145.0	2	3.4	3	FURNISH WITH 2" PLEATED FILTER									
FOU-43	24WV / 24 HH-2 NACV / ANE-2	VERTICAL	1200	1.72	1.0	1443	BELT	0.71	3/4	208	1	1200	75	63																										

CIVIL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

1	No Changes from Design to As-Built			
No.	Revision/Issue	Date	BY	APP'D

PRODUCT TITLE

TEMPORARY LODGING
FACILITY

SHEET TITLE

MECHANICAL SCHEDULES

AS-BUILT

DRAWN BY	INS	LEAD DESIGNER	WET
TECH REVIEWER		FILE LOCATION	
DESIGNED BY	INS	PROJECT NUMBER	MAKAO2-5001
DATE	28 MAY 2002	SHEET	M18
SCALE	NONE		85 of 108

AIR-COOLED WATER CHILLER										EVAPORATOR				ELECTRICAL									
DESIGNATION	REFERENCE PRODUCT	TOTAL CAPACITY (TONS)	WEIGHT (LBS)	REFRIGERANT TYPE	COMPRESSOR TYPE	No. of COMPRESSORS	WATER FLOW RATE (GPM)	ENT / LWT (° F)	EVAPORATION PRESSURE (PSI WATER)	CONDENSING AIR TEMPERATURE (° F)	FOLING FACTOR	TOTAL ENERGY (KWH)	VOLTS / PHASE	FLA	FLA	WCA	WCA	WCA	WCA	EFF	REMARKS		
CH-1	RAVPAK R1A350	125	11,000	HFC-22	ROTARY SCROLL	2	300	55/45	16.0	105	0.00010	172.0	208/3	314	313	383	389	600	600	8.2	FURNISH W/ CONTROL POWER TRANSFORMER, EXIST INTERFACE FOR ELECTRICAL CONNECTION, CONDENSER COIL PROTECTION, AND TWO INDEPENDENT CIRCUITS.		

BOILERS (HEATING WATER)													ELECTRICAL				
DESIGNATION	REFERENCE PRODUCT	LOCATION	TYPE	FUEL	NAT. GAS (MBH)	HEATING FLOW RATE (GPM)	ENT / LWT (° F)	WATER PRESS. (PSI)	ANNUAL WATERSIDE CORROSION (IN. WATER)	RELIEF VALVE (PSIG)	RATED PRESSURE (PSIG)	FUEL GAS VALVE (LBS)	OPERATING PRESSURE (PSIG)	VOLTS/PHASE	CONTROLS (AMPS/VOLTS)	REMARKS	
B-1	RAYPAK MECHANICAL	MECHANICAL ROOM	ATMOSPHERIC NATURAL GAS		1223	1002	50	140.0/180.0	7	60	160	16	900	1/2	120/1	5 / 120	FURNISH BOILER WITH CONTROL PANEL, EXCS 5 / 120
B-2	RAYPAK MECHANICAL	MECHANICAL ROOM	ATMOSPHERIC NATURAL GAS		1223	1002	50	140.0/180.0	7	60	160	16	900	1/2	120/1	5 / 120	REGULATOR, AND ELECTRONIC FLAME SAFEGUARD

WATER HEATERS										ELECTRICAL									
DESIGNATION	REFERENCE PRODUCT	LOCATION	TYPE	FUEL	NAT. GAS (MBH)	HEATING FLOW RATE (GPM)	ENT / LWT (° F)	WATER PRESSURE (PSIG)	ANNUAL RELIEF VALVE (PSIG)	RATED DISCHARGE (PSIG)	FUEL FLOW (GPM)	OPERATING DISCHARGE (PSIG)	PUMP HEAD (FT)	VOLTS/PHASE	CONROLS	REMARKS			
WH-1	RAYPAK MECHANICAL	ATMOSPHERIC NATURAL GAS	1223	1002	50	80.0/120.0	3.9	7	125	160	16	900	1/2	120/1	5 / 120	FURNISH EACH WATER HEATER WITH CONTROL PRESSURE RELIEF VALVE, GAS PRESSURE RELIEF VALVE, AND ELECTRONIC FLAME SAFEGUARD.			
WH-2	RAYPAK MECHANICAL	ATMOSPHERIC NATURAL GAS	1223	1002	50	80.0/120.0	3.9	7	125	160	16	900	1/2	120/1	5 / 120				

DESIGNATION	REFERENCE PRODUCT	LOCATION	SERIES	TYPE	WATER FLOW RATE (GPM)	TOTAL FLOW RATE (GPM)	ROTATION	EFFICIENCY (%)	MOTOR SIZE (HP)	ELECTRICAL	REMARKS
CP-1	GROUND FOS UP-26-80/4	MECHANICAL ROOM	BOILER B-1	N-LINE CENTRIFUGAL	50	18	—	46	1/2 1/2 120	1	CAST IRON CONSTRUCTION
CP-2	GROUND FOS UP-26-80/4	MECHANICAL ROOM	BOILER B-2	N-LINE CENTRIFUGAL	50	18	—	46	1/2 1/2 120	1	CAST IRON CONSTRUCTION
POHP-1	4500 35X88	MECHANICAL ROOM	CHILLED WATER	N-LINE VERTICAL	300	50	1750	71	8.5 10 208	3	FURNISH W/ MANUAL BYPASS, INPUT DISCONNECT SWITCH, INPUT LINE REACTORS, AND EXIST INTERFACE FOR ELECTRICAL CONNECTION, CONDENSER COIL PROTECTION, AND TWO INDEPENDENT CIRCUITS.
SCHP-1	4500 35X88	MECHANICAL ROOM	CHILLED WATER	N-LINE VERTICAL	300	50	1750	71	8.5 10 208	3	FURNISH W/ MANUAL BYPASS, INPUT DISCONNECT SWITCH, INPUT LINE REACTORS, AND EXIST INTERFACE FOR ELECTRICAL CONNECTION, CONDENSER COIL PROTECTION, AND TWO INDEPENDENT CIRCUITS.
SCHP-2	4500 35X88	MECHANICAL ROOM	CHILLED WATER	N-LINE VERTICAL	300	50	1750	71	8.5 10 208	3	FURNISH W/ MANUAL BYPASS, INPUT DISCONNECT SWITCH, INPUT LINE REACTORS, AND EXIST INTERFACE FOR ELECTRICAL CONNECTION, CONDENSER COIL PROTECTION, AND TWO INDEPENDENT CIRCUITS.
HWP-1	4500 35X88	MECHANICAL ROOM	HEATING WATER	N-LINE VERTICAL	80	80	1750	54	3.0 5 208	3	ALL BRONZE CONSTRUCTION
HWP-2	4500 35X88	MECHANICAL ROOM	HEATING WATER	N-LINE VERTICAL	80	80	1750	54	3.0 5 208	3	ALL BRONZE CONSTRUCTION
CP-3	GROUND FOS UP-26-80/4	MECHANICAL ROOM	WATER HEATER	N-LINE CENTRIFUGAL	50	18	—	46	1/2 1/2 120	1	ALL BRONZE CONSTRUCTION
CP-4	GROUND FOS UP-26-80/4	MECHANICAL ROOM	WATER HEATER	N-LINE CENTRIFUGAL	50	18	—	46	1/2 1/2 120	1	ALL BRONZE CONSTRUCTION
HW/R P-1	GROUND FOS UP-26-80/4	MECHANICAL ROOM	WATER RETURN	N-LINE CENTRIFUGAL	6	28	—	—	1/8 120	1	ALL STAINLESS STEEL CONSTRUCTION

VARIABLE FREQUENCY DRIVES*											
DESIGNATION	REFERENCE PRODUCT	LOCATION	SERIES	TYPE	APPLICATION	RATED HORSEPOWER	EFFICIENCY (%)	VOLTS	PHASE	MAX. OUTPUT (AMPS)	REMARKS
VFD-SCHP1	ABB	MECHANICAL ROOM	SCHP-1	PWM	VARIABLE TORQUE	10	—	208	3	—	FURNISH W/ MANUAL BYPASS, INPUT DISCONNECT SWITCH, INPUT LINE REACTORS, AND EXIST INTERFACE
VFD-SCHP2	ABB	MECHANICAL ROOM	SCHP-2	PWM	VARIABLE TORQUE	10	—	208	3	—	FURNISH W/ MANUAL BYPASS, INPUT DISCONNECT SWITCH, INPUT LINE REACTORS, AND EXIST INTERFACE
VFD-HWP1	ABB	MECHANICAL ROOM	HWP-1	PWM	VARIABLE TORQUE	5	—	208	3	—	FURNISH W/ MANUAL BYPASS, INPUT DISCONNECT SWITCH, INPUT LINE REACTORS, AND EXIST INTERFACE
VFD-HWP2	ABB	MECHANICAL ROOM	HWP-2	PWM	VARIABLE TORQUE	5	—	208	3	—	FURNISH W/ MANUAL BYPASS, INPUT DISCONNECT SWITCH, INPUT LINE REACTORS, AND EXIST INTERFACE

* VARIABLE FREQUENCY DRIVES ARE SPECIFIED IN SECTION 15900

EXPANSION TANKS																
DESIGNATION	PRODUCT REFERENCE	SERIES	TYPE	SYSTEM VOLUME (GALLONS)	MINIMUM TEMPERATURE (°F)	MAXIMUM TEMPERATURE (°F)	INITIAL STATE (AIR PRESSURE (PSI))	MAXIMUM PRESSURE (PSI)	TANK SIZE (IN.)	MINIMUM ACCEPTANCE (IN.)	TANK DIAMETER (IN.)	TANK LENGTH (IN.)	REMARKS			
ET-1	WHAILEY W-25V	CHILLED WATER	(EXPANSION)	2000	40	100	12	75	37	37	20	54	FULL ACCEPTANCE			
ET-2	WHAILEY W-25V	CHILLED WATER	(EXPANSION)	1000	40	180	12	75	57	57	20	54	FULL ACCEPTANCE			
ET-3	WHAILEY W-25V	HOT WATER	(EXPANSION)	600	40	140	75	125	10	10	16	19	FULL ACCEPTANCE (NSF APPROVED)			

STORAGE TANKS													
DESIGNATION	REFERENCE PRODUCT	SERIES	TYPE	SYSTEM VOLUME (GAL.)	MINIMUM TEMPERATURE (° F)	MAXIMUM TEMPERATURE (° F)	INITIAL TANK AIR PRESSURE (PSIG)	MAXIMUM PRESSURE (PSIG)	MINIMUM TANK SIZE (GAL.)	MINIMUM ACCEPTANCE (GAL.)	TANK DIAMETER (IN.)	TANK LENGTH (IN.)	REMARKS
ST-1	RAVPAK	WH-1 & 2	UNITED STEEL	X	X	X	X	150	115	X	28"	60"	FURNISH WITH OPENINGS AS DETAILED ON SHEET P7

* INCLUDES INSULATED JACKET

EXHAUST FAN													
DESIGNATION	REFERENCE PRODUCT	TYPE	SERIES	AIR FLOW (CFM)	TOTAL STATIC PRESSURE (INCHES WG)	ROTATION	DRIVE	SONES	MOTOR SIZE		ELECTRICAL	REMARKS	
EF-1 THRU EF-5	AOIE VOLUME FOLIERE	CENTRIFUGAL	GENERAL	100	0.25	650	DIRECT	1.3	87	—	120	1	FURNISH WITH BACK GUARD, WALL COLLAR, SOLID STATE SPEED CONTROLLER, AND MOTORIZED WALL SHUTTER
EF-6	AOIE VOLUME FOLIERE	CENTRIFUGAL	MECHANICAL	2500	0.25	1158	BELT	7.7	0.24	1/4	120	1	

UNIT HEATERS – (HOT WATER)												
DESIGNATION	REFERENCE PRODUCT	SERIES	HEATING EBB / LBS (GPM)	AIR FLOW RATE (CFM)	WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT. WATER)	TEMP / WAT (° F)	ROTATION (RPM)	MOTOR SIZE (HP)	ELECTRICAL	REMARKS	
UH-1	UHSA 090W	MECHANICAL ROOM	36.7	1214	60 / 88	2.52	0.19	180/150	1550	1/8	120 / 1	

MECHANICAL LEGEND				ELECTRICAL									
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	NEW EQUIPMENT		ELL WITH TURNING VANES		SANITARY SINKER (SS)		SANITARY VENT (V)		COLD WATER (CW)		HOT WATER (HW)		HOT WATER RETURN (HWR)
	PRIMARY CHILLED WATER SUPPLY		STEAMLINE TAP		EQUIPMENT NATURAL GAS		FIRE PROTECTION BRN		FIRE PROTECTION HEAD		PRESSURE REDUCING VALVE		FLOOR DRAIN
	SECONDARY CHILLED WATER RETURN		MANUAL VOLUME DAMPER		VENT THRU ROOF		CLEANOUT PLUG		WALL CLEANOUT		TWO WAY CLEANOUT TO GRADE		RISER DESIGNATION SHEET NUMBER

	CHECK VALVE (BUTTERFLY CHECK)		CHECK VALVE (SWING CHECK)		GLOBE VALVE		GATE VALVE		BUTTERFLY VALVE		BALL VALVE		HEATING WATER RETURN
	HEATING WATER SUPPLY		HEATING WATER RETURN		CONDENSATE DRAIN		DRAFT HOOD, RELIEF VALVE, GAS PRESSURE REGULATOR, AND ELECTRONIC FLAME SAFEGUARD		AIR VENT (A – AUTO, H – HAND)		PRESSURE AND TEMPERATURE TAP		PRESSURE GAUGE W/ SIPHON
	PRESSURE GAUGE W/ SEP. WELL		ANCHOR		PIPE GUIDE		VALVE AT RISER		ELBOW, TURNED UP		ELBOW, TURNED DOWN		TEE, SIPHON CONNECTION
	TEE, OUTLET UP		TEE, OUTLET DOWN		CAPED PIPE		CONCENTRIC REDUCER		ECCENTRIC REDUCER		DIRECTION OF PITCH		PIPE TO FLOOR DRAIN

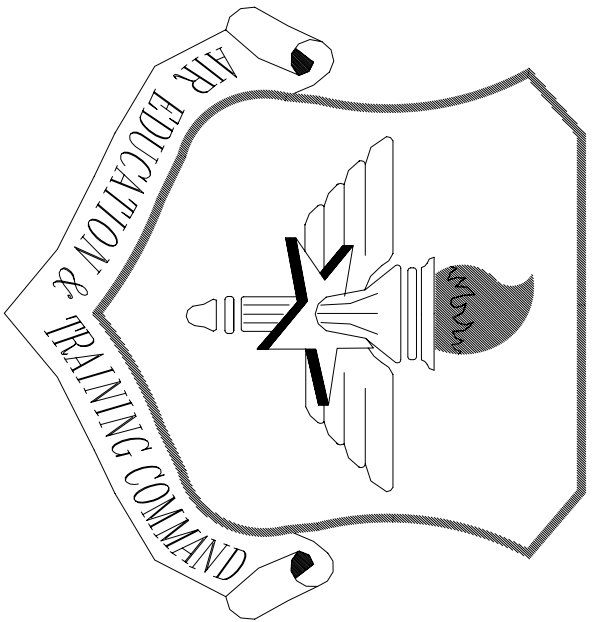
	ACCESS PANEL IN ROUND OR OVAL DUCT		TYPE – THROW		SUPPLY AIR DEVICE		RETURN/EXHAUST CFM		THERMOSTAT		SUPPLY AIR DUCT		RETURN AIR DUCT
	EXHAUST AIR GRILLE		EXHAUST AIR DUCT		OPPOSED BLADE DAMPER		CUBIC FEET PER MINUTE		ROUND DIAMETER		ACCESS PANEL IN ROUND OR OVAL DUCT		TYPE – THROW

APP'D	BY	DATE	Revision/Issue	No.
			No Changes from Design to As-Built	1

PROJECT TITLE	TEMPORARY LODGING FACILITY
---------------	----------------------------

SHEET TITLE	MECHANICAL SCHEDULES AND LEGEND
AS-BUILT	

DESIGNED BY	TNS	LEAD DESIGNER	WET
TECH REVIEWER	TNS	FILE LOCATION	
PROJECT NUMBER	NKAK02-5001	SHEET	MP19
DATE	28 MAY 2002	SCALE	NONE
86	or	108	



LITTLE ROCK A.F.B.
ARKANSAS

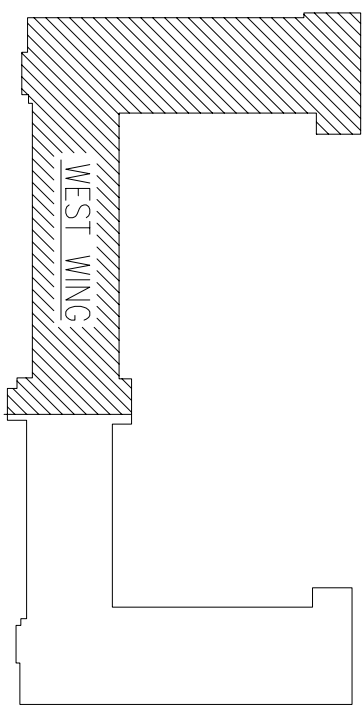
OWN ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

No.	Revision/Issue	Date	BY	APP'D
1	Added fire sprinkler test lines & flow switch test stations			

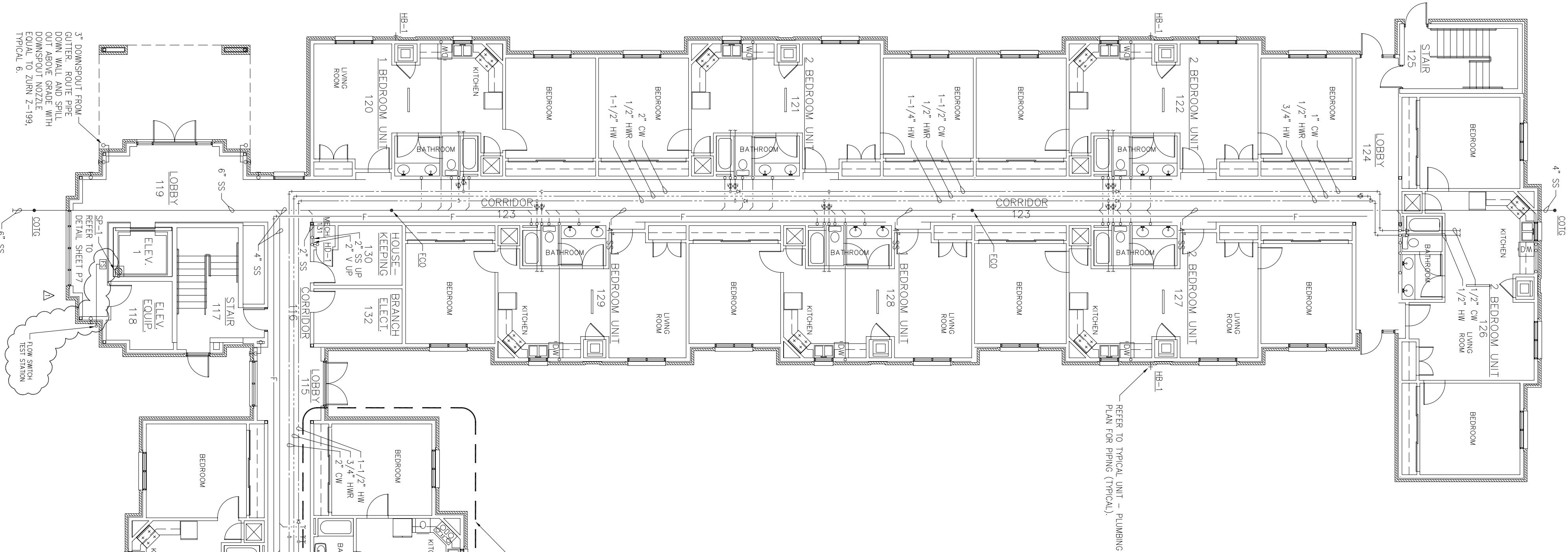
PROJECT TITLE
TEMPORARY LODGING
FACILITY

SHEET TITLE
PARTIAL
FIRST FLOOR
PLUMBING PLAN
AS-BUILT

DRAWN BY PNS	LEAD DESIGNER WET
TITLE REVISIONS	TITLE LOCATION
DESIGNED BY LSK	PROJECT NUMBER NKA002-5001
DATE 28 MAY 2002	SHEET P2
SCALE AS NOTED	87 OF 108

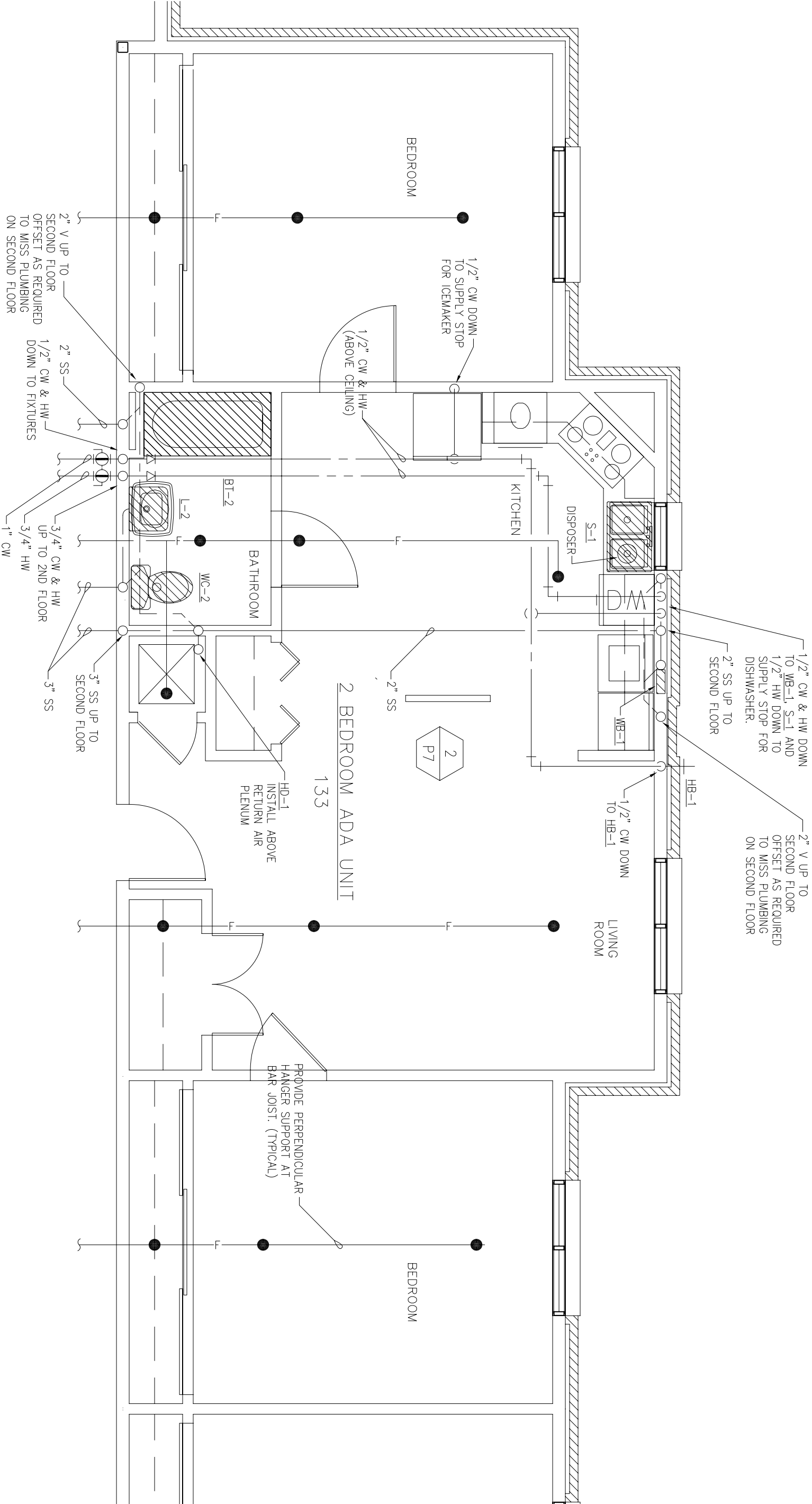


KEY PLAN



PARTIAL FIRST FLOOR PLUMBING PLAN - WEST WING

SCALE 3/32"=1'-0"



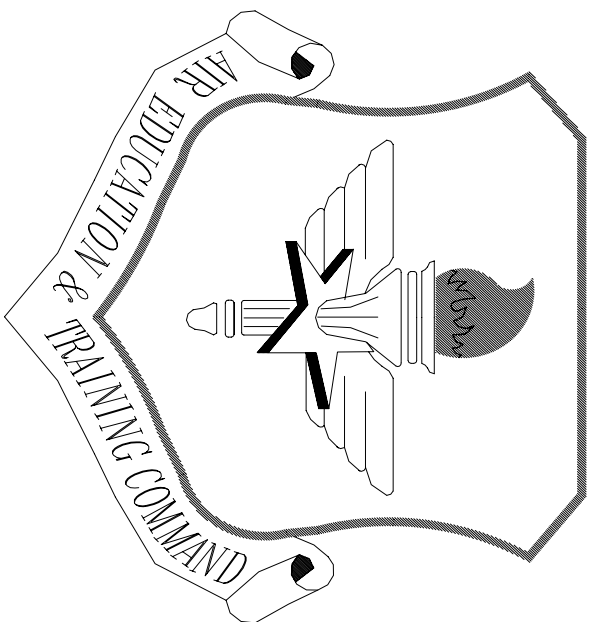
2 ENLARGED PLAN AT ADA UNIT - PLUMBING

SCALE 1/4"=1'-0"

- LEGEND
- PENDANT TYPE SPRINKLER HEAD
 - UPRIGHT TYPE SPRINKLER HEAD
 - ▲ SIDEWALL TYPE SPRINKLER HEAD
 - FIRE LINE
 - TAPER SWITCH
 - FLOW SWITCH



SCALE 1/4"=1'-0"



LITTLE ROCK A.F.B.
ARKANSAS

OWN ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

APP'D	BY	Date	Revision/Issue	No.
			Added fire sprinkler test lines & flow switch test stations	1

PROJECT TITLE

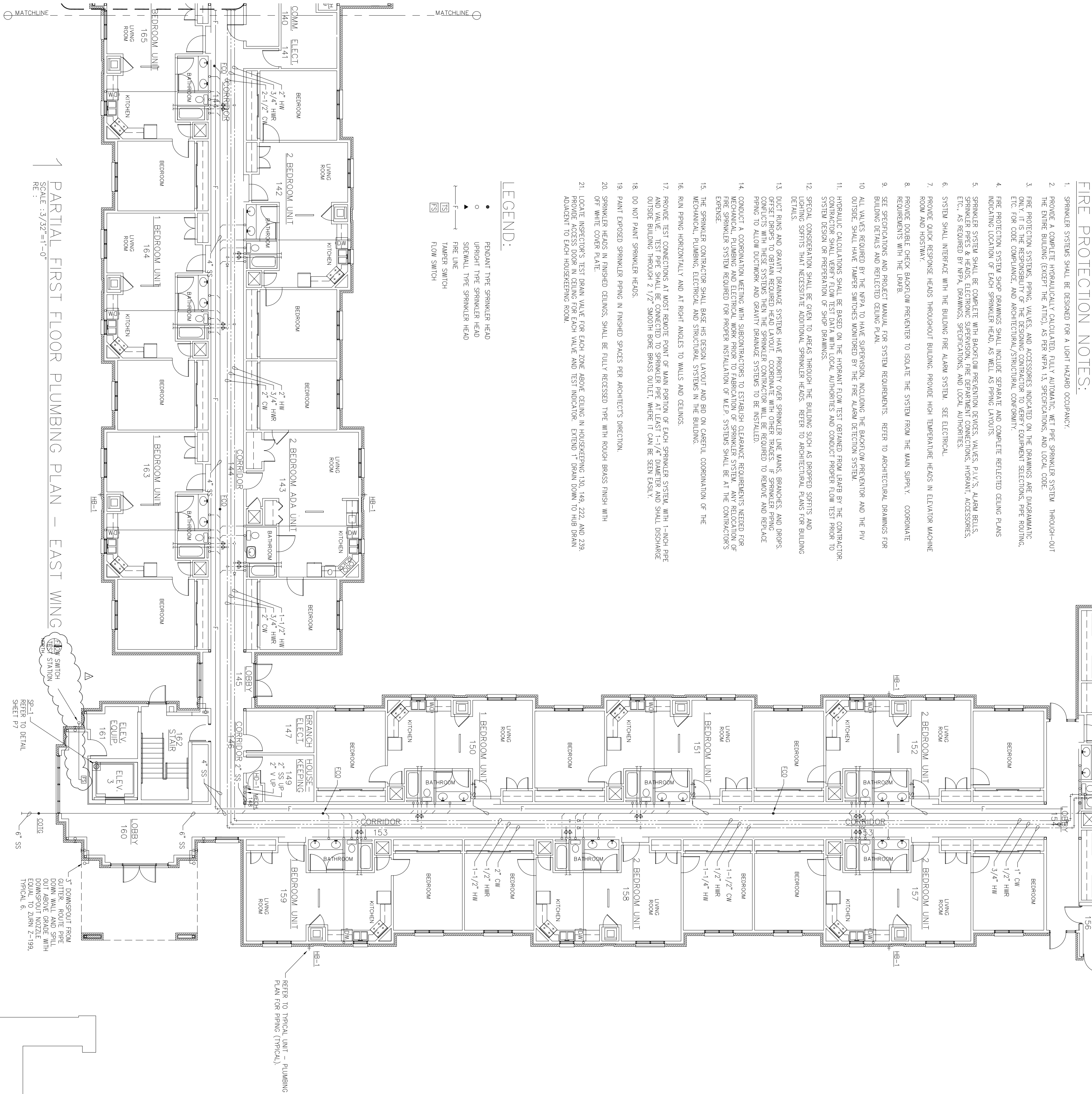
TEMPORARY LODGING FACILITY

SHEET TITLE

PARTIAL FIRST FLOOR PLUMBING PLAN

AS-BUILT

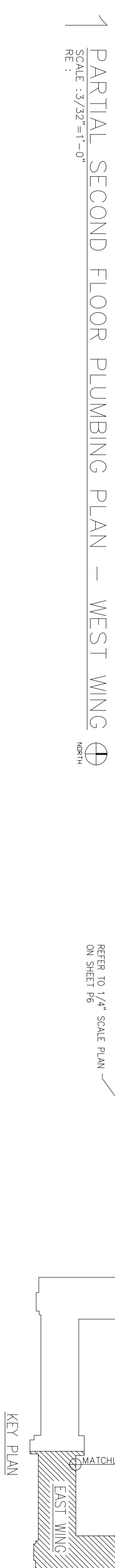
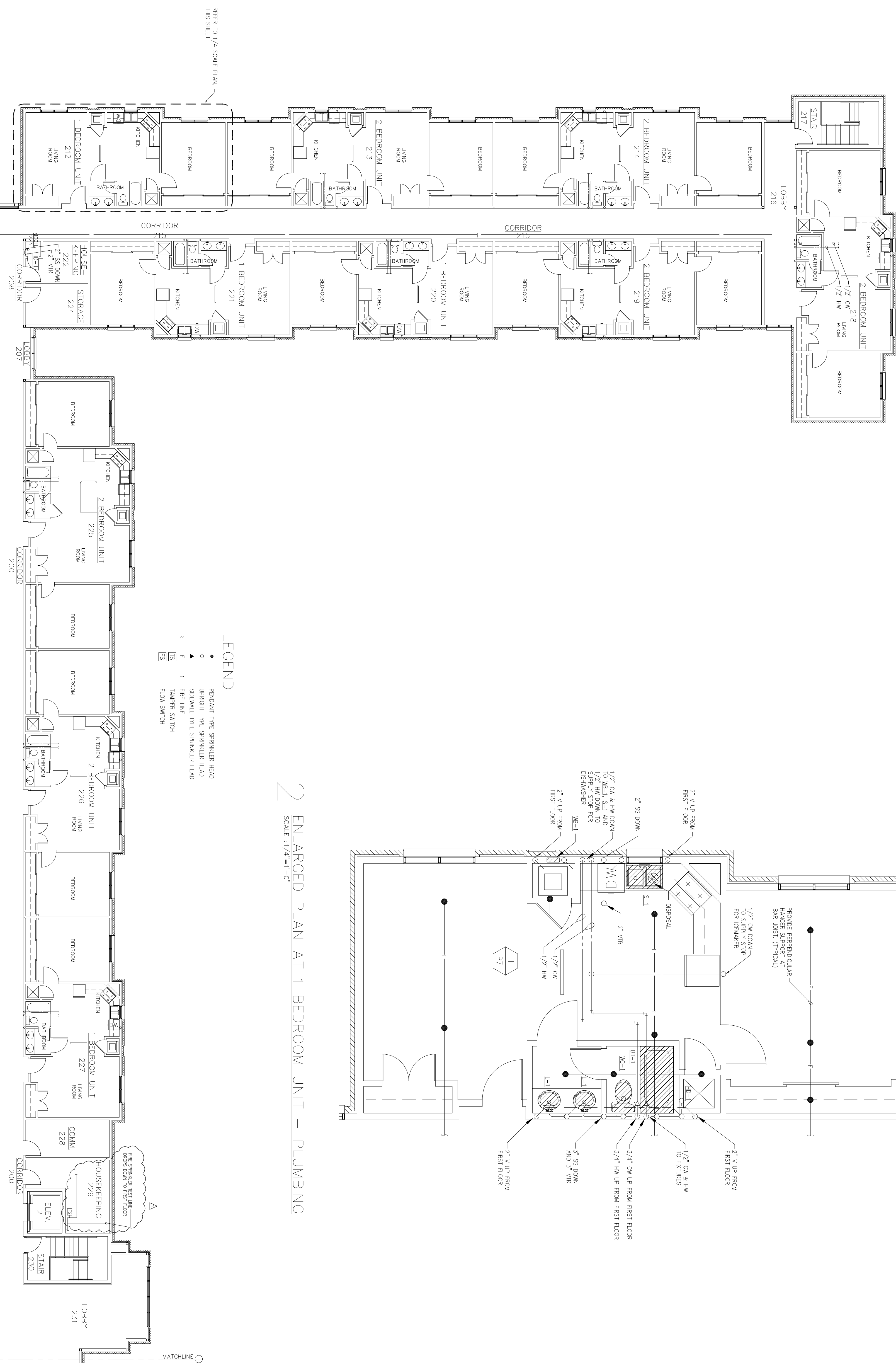
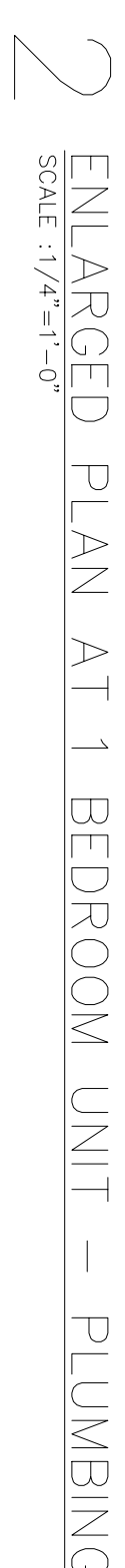
DRAWN BY PNS	LEAD DESIGNER WET
DESIGNED BY LSK	PROJECT NUMBER NKA402-5001
DATE 28 MAY 2002	SHEET P3
SCALE 3/32"=1'-0"	88 of 108

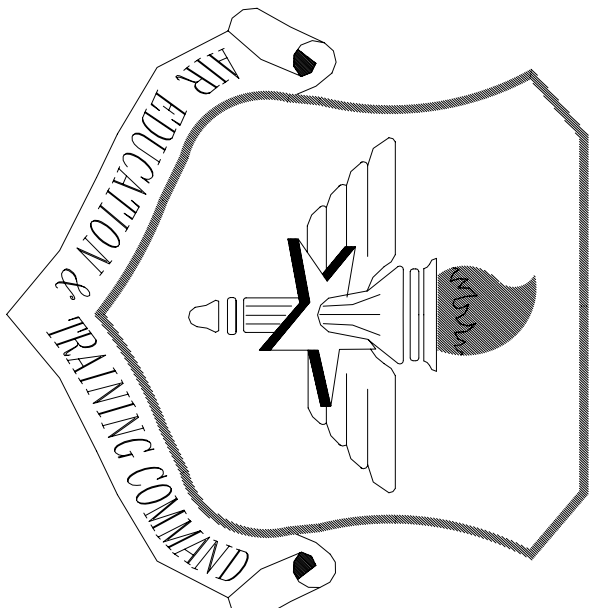




1	Added Fire Sprinkler Test Lines locations			
No.	Revision/Issue	Date	BY	APP'D

DRAWN BY	LEAD DESIGNER
PNS	MET
TECH REVIEWER	FILE LOCATION
DESIGNED BY	PROJECT NUMBER
LSK	INKA402-5001
DATE	SHEET
28 MAY 2002	P4
SCALE	
AS NOTED	89 OF 103





LITTLE ROCK A.F.B.
ARKANSAS

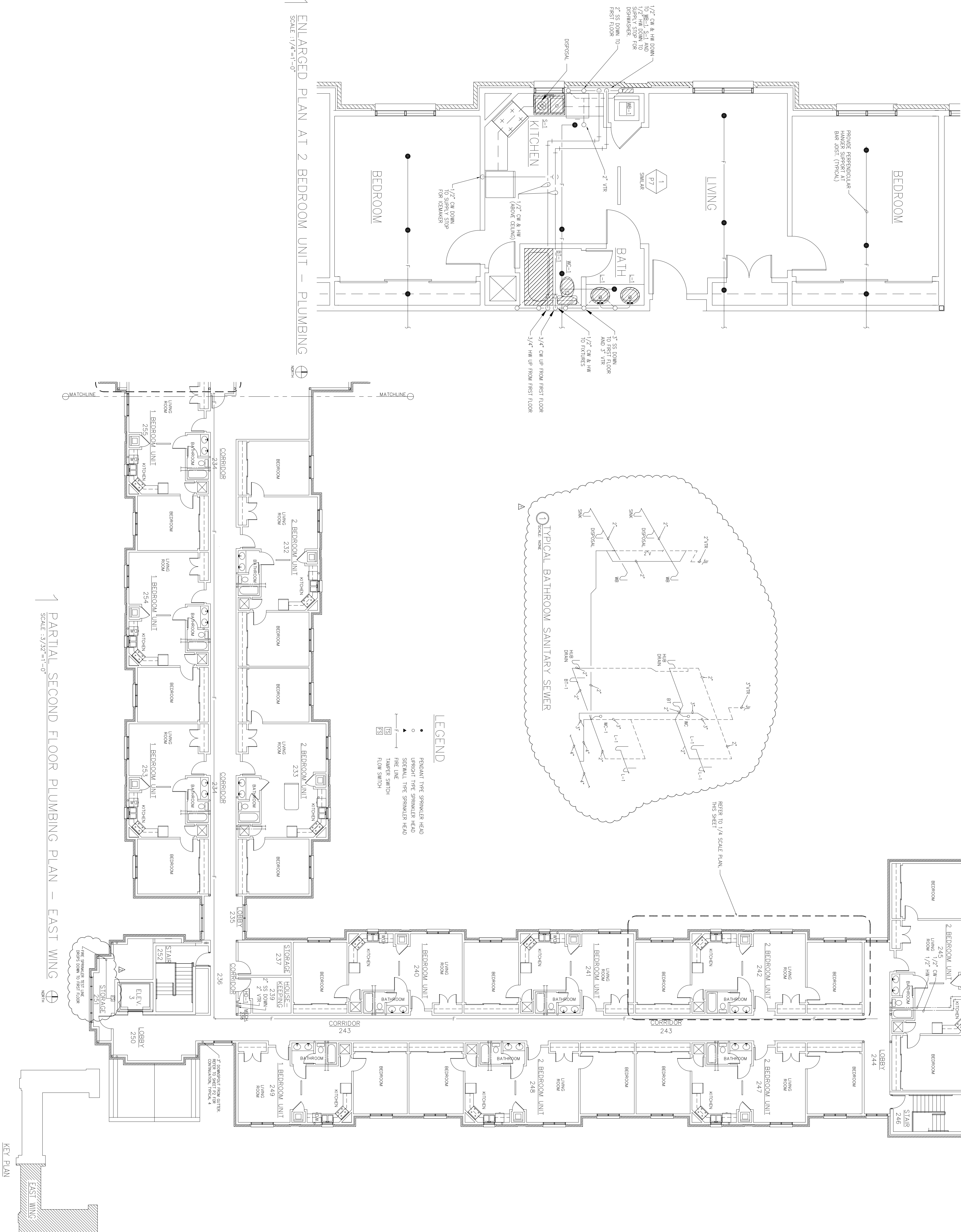
CIVIL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

No.	Revision/Issue	Date	BY	APP'D
2	Added Fire Sprinkler Test Line locations			
1	Added detail for Typical Bathroom Sanitary Sewer			

PROJECT TITLE
TEMPORARY LODGING FACILITY

SHEET TITLE
PARTIAL SECOND FLOOR PLUMBING PLAN
AS-BUILT

DRAWN BY PNS	LEAD DESIGNER WET
TICR REVIEWER LSK	FILE LOCATION
DESIGNED BY LSK	PROJECT NUMBER WKA002-5001
DATE 28 MAY 2002	SHEET P5
SCALE AS NOTED	90 or 108

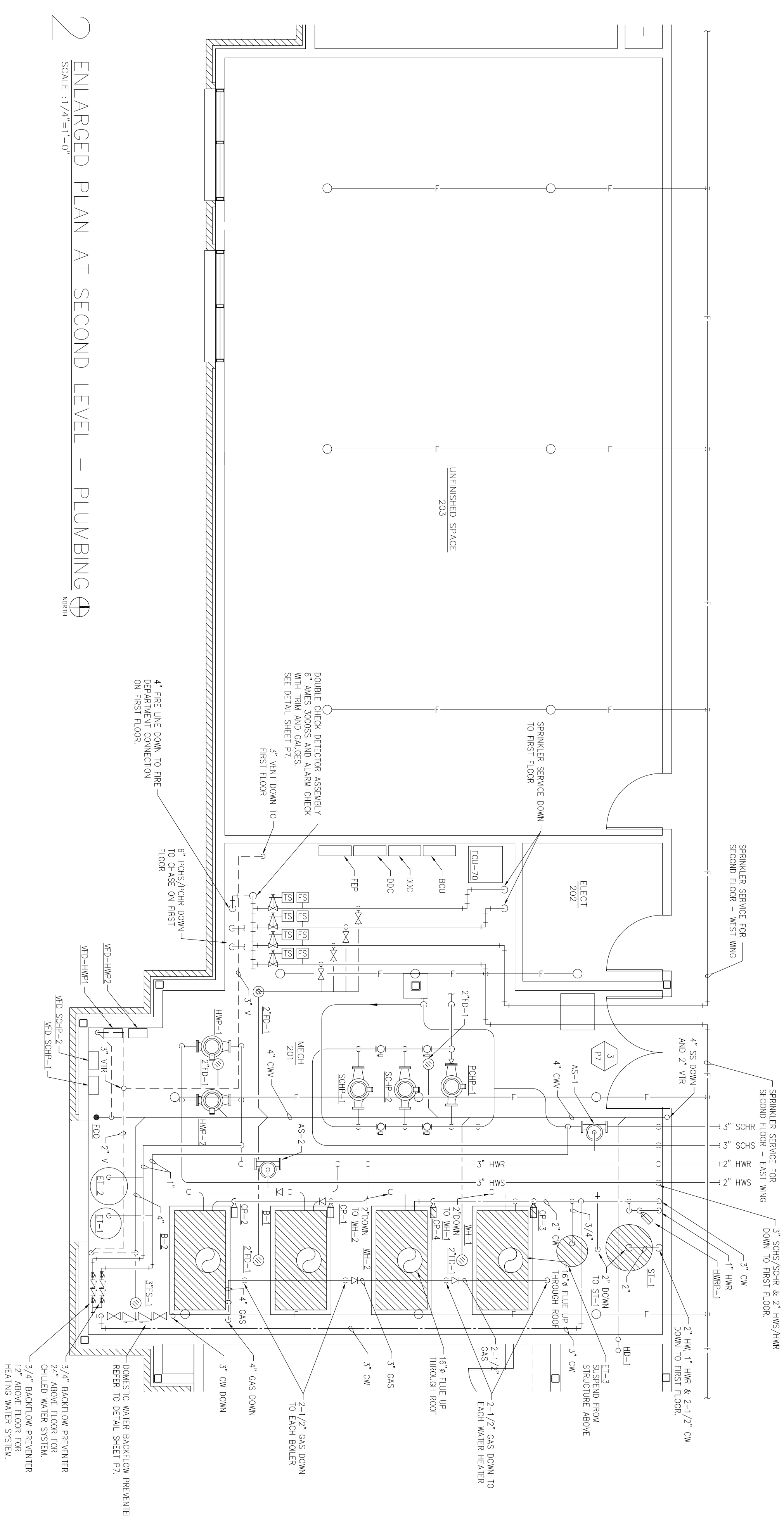
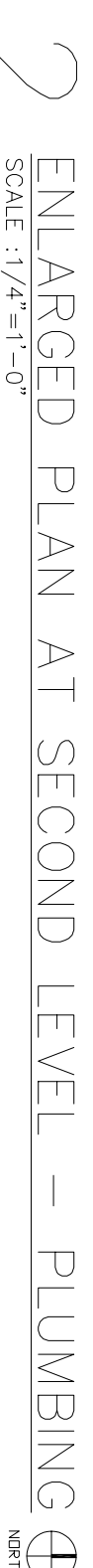
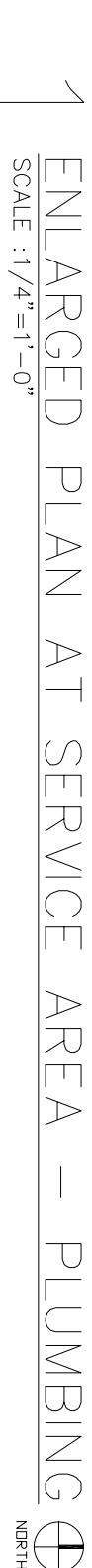


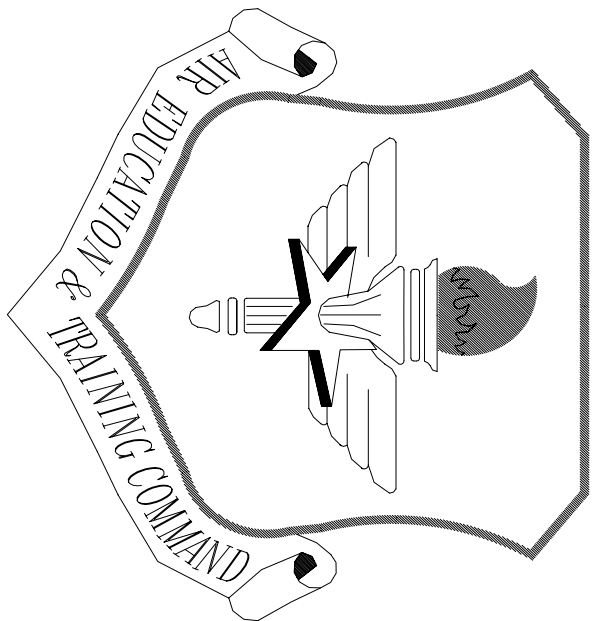


PROJECT TITLE

TEMPORARY LODGING
FACILITY

SHEET TITLE	
PARTIAL PLANS - PLUMBING AS-BUILT	
DRAWN BY	LEAD DESIGNER
PNS	WET
TECH REVISION	FILE LOCATION
DESIGNED BY	PROJECT NUMBER
LSK	NKA402-5001
DATE	SHEET
28 MAY 2002	P6
SCALE	91 or 100
1/4" = 1'-0"	





LITTLE ROCK A.F.B.
ARKANSAS

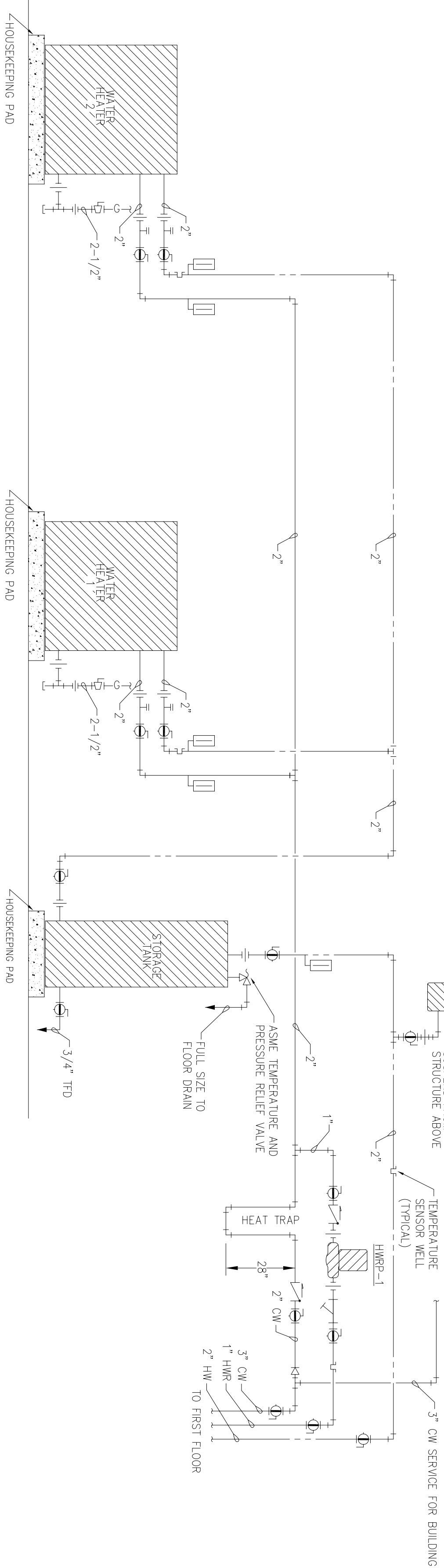
OWN ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

APP'D	BY	Date	Revision/Issue	No.
			No changes from Design to As-Built	1

PROJECT TITLE
TEMPORARY LODGING
FACILITY

SHEET TITLE
PLUMBING RISERS
AND DETAILS
AS-BUILT

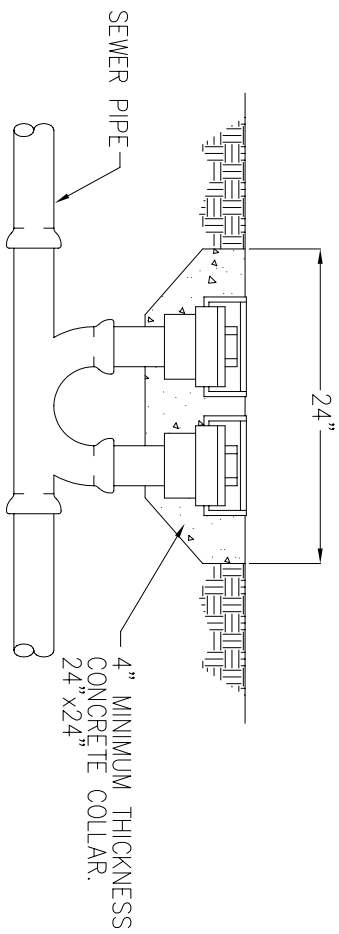
DRAWN BY PNS	LEAD DESIGNER WET
TECH. REVIEWER	FILE LOCATION
DESIGNED BY LSK	PROJECT NUMBER NKA002-5001
DATE 28 MAY 2002	SHEET P7
SCALE NONE	92 OF 108



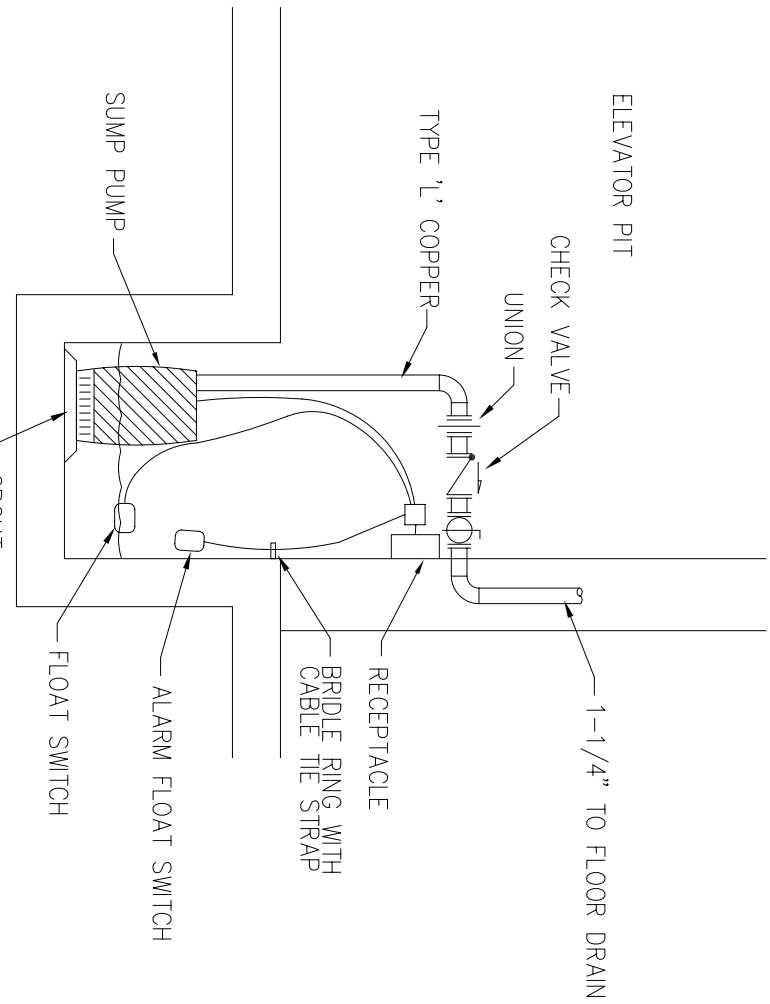
5 DOMESTIC WATER HEATER PIPING DETAIL
SCALE: NONE

DESIGNATION	DESCRIPTION	MOORING	WATER		VENT	WASTE	TRAP
			COLD	HOT			
WC-1	WATER CLOSET	FLOOR	1"	N/A	2"	4"	INTEGRAL
WC-2	WATER CLOSET	FLOOR/ADA	1"	N/A	2"	4"	INTEGRAL
L-1	LAVATORY	COUNTERTOP	1/2"	1/2"	2"	2"	1-1/4"
L-2	LAVATORY	WALL/ADA	1/2"	1/2"	2"	2"	1-1/4"
L-3	LAVATORY	WALL	1/2"	1/2"	2"	2"	1-1/4"
S-1	DOUBLE SINK WITH DISPOSAL	COUNTERTOP	1/2"	1/2"	2"	2"	1-1/2"
SS-1	SERVICE SINK	FLOOR/CORNER	1/2"	1/2"	2"	3"	1-1/2"
HB-1	HOSE BIBB	EXTERIOR WALL	1/2"	N/A	N/A	N/A	N/A
HB-2	HOSE BIBB	INTERIOR WALL	1/2"	N/A	N/A	N/A	N/A
WB-1	WASHER BOX	RECESSED	1/2"	1/2"	2"	2"	2"

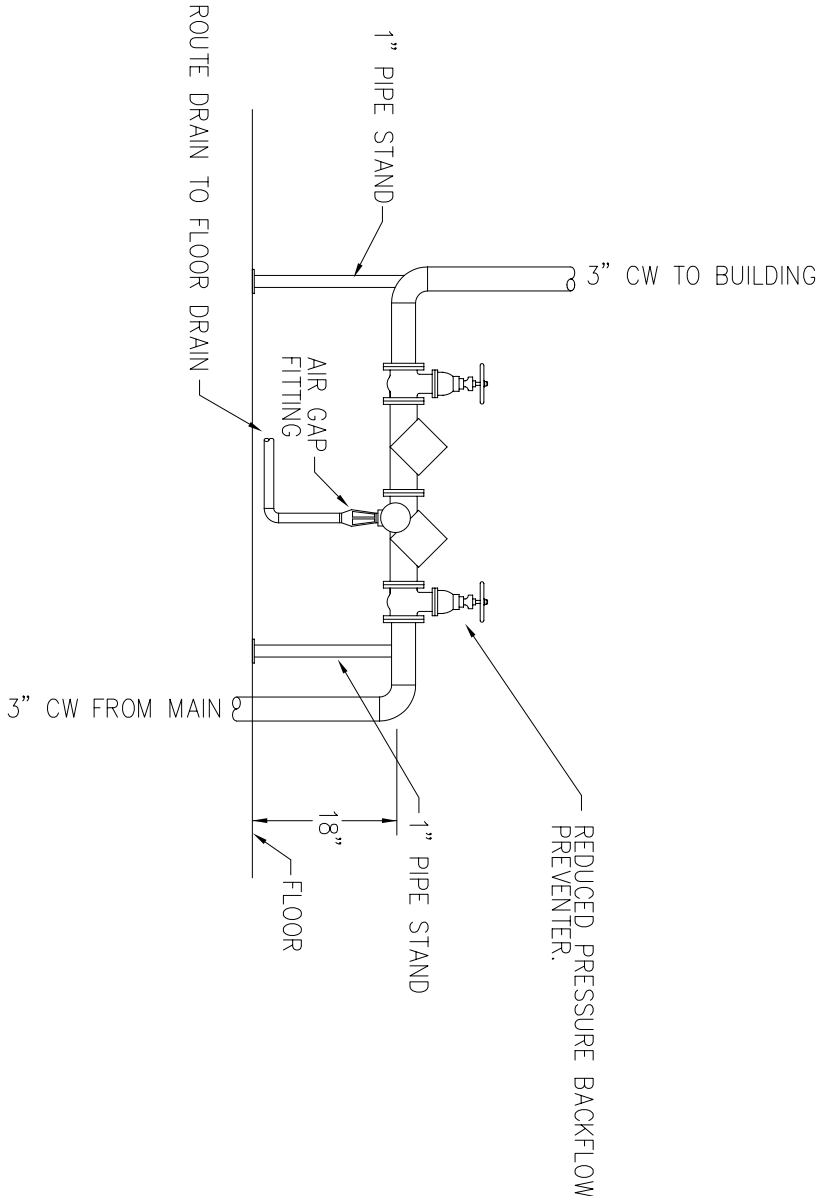
FIGURE CONNECTION SCHEDULE



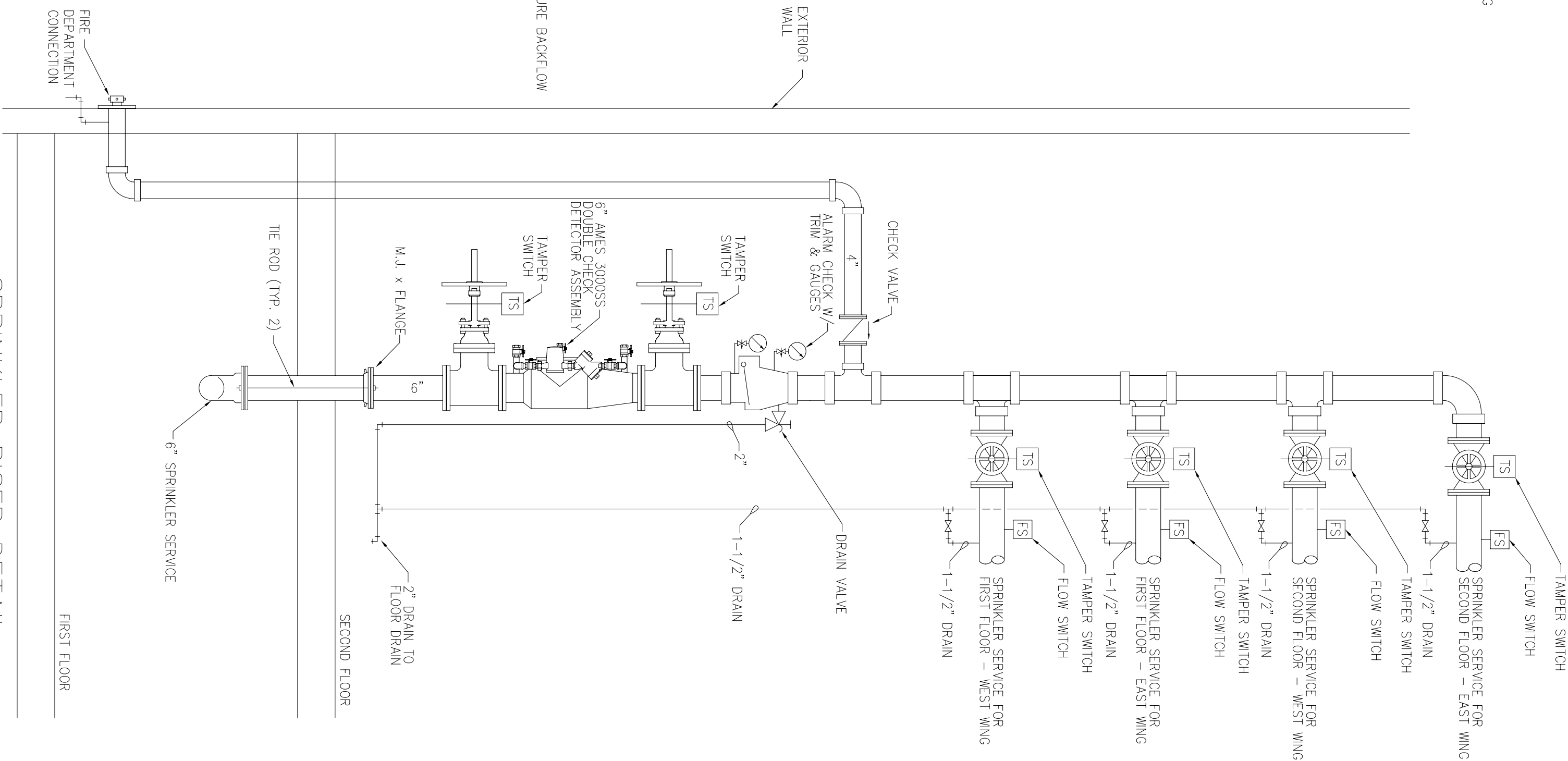
6 TWO-WAY CLEANOUT TO GRADE DETAIL
SCALE: NONE



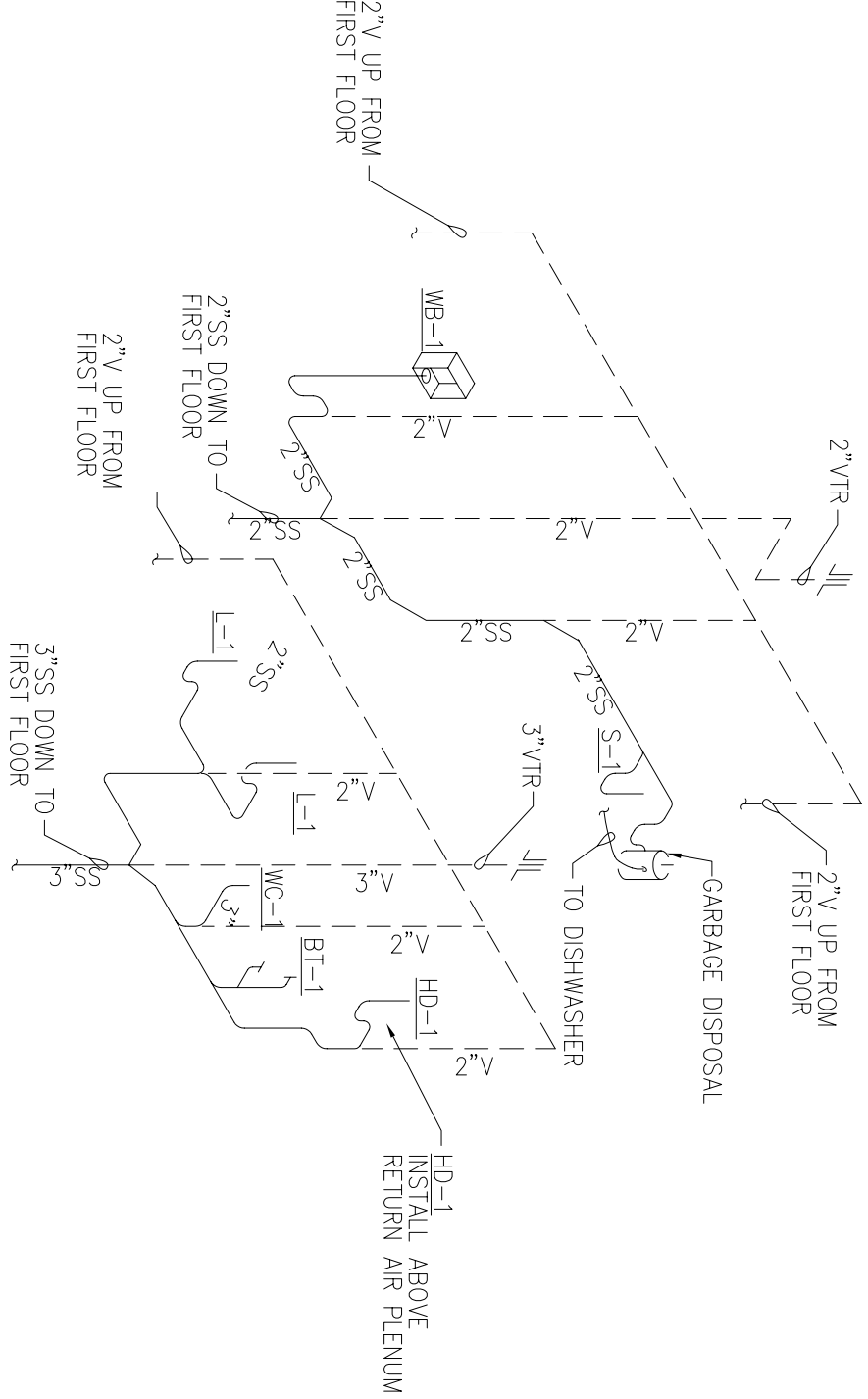
7 SUMP PUMP DETAIL
SCALE: NONE



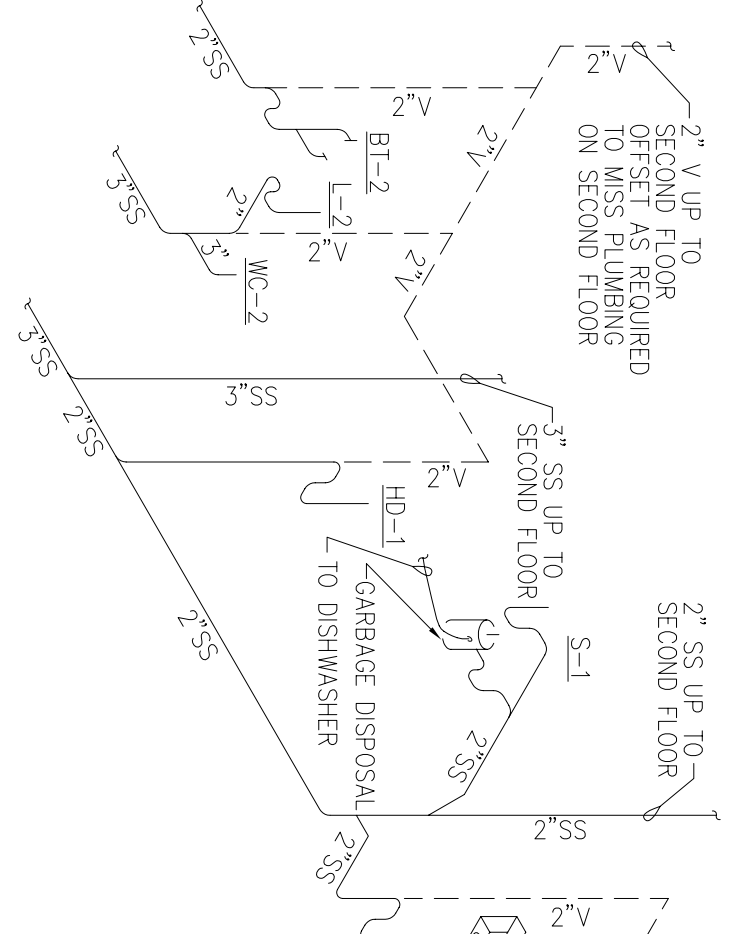
8 DOMESTIC WATER RPZ DETAIL
SCALE: NONE



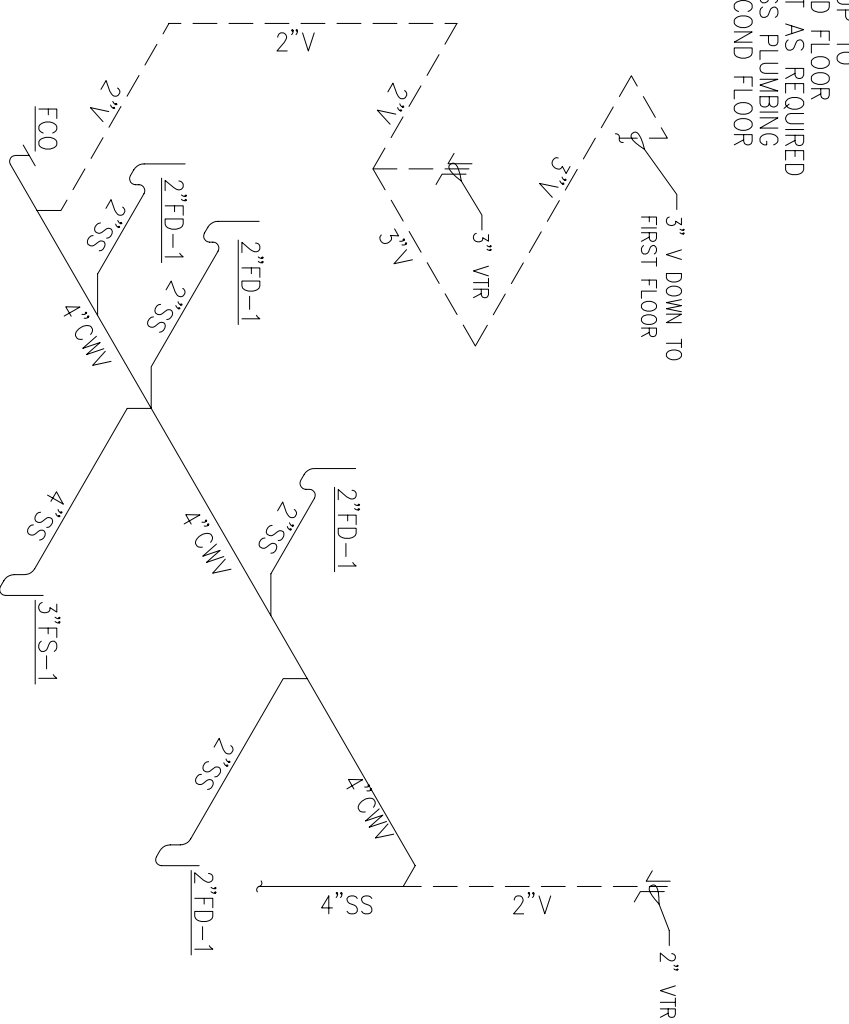
9 SPRINKLER RISER DETAIL
SCALE: NONE



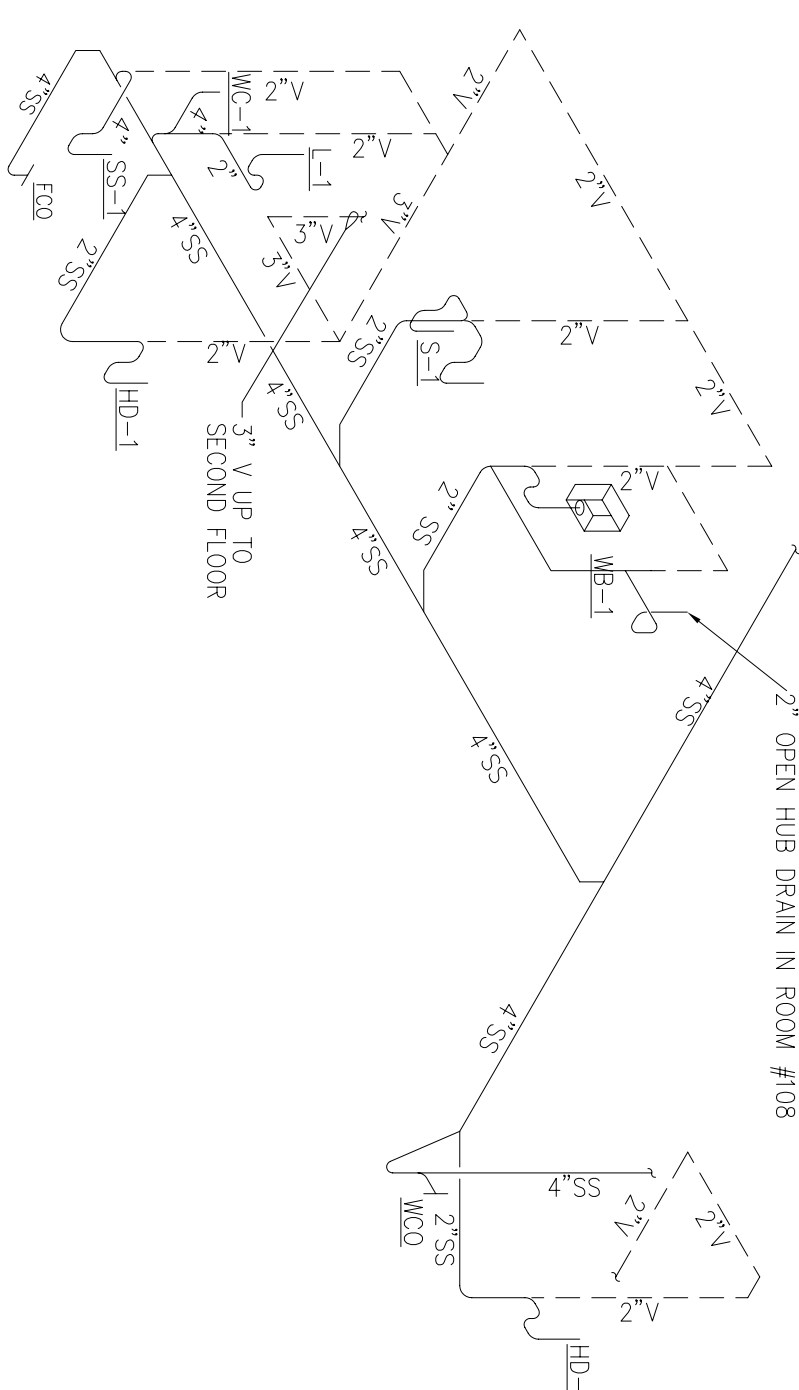
1 PLUMBING RISER
SCALE: NONE



2 PLUMBING RISER
SCALE: NONE



3 PLUMBING RISER
SCALE: NONE



4 PLUMBING RISER
SCALE: NONE



5	Noted switches added				
4	Deleted 'U' fixture in Mech Room and associated switch				
3	Deleted the 'B' fixtures and replaced with three 'A' fixtures				
2	'C' fixture added outside exterior Porcico				
1	Deleted the 'B' fixtures and replaced with six 'R' fixtures				
No.	Revision/Issue	Date	BY	APP'D	

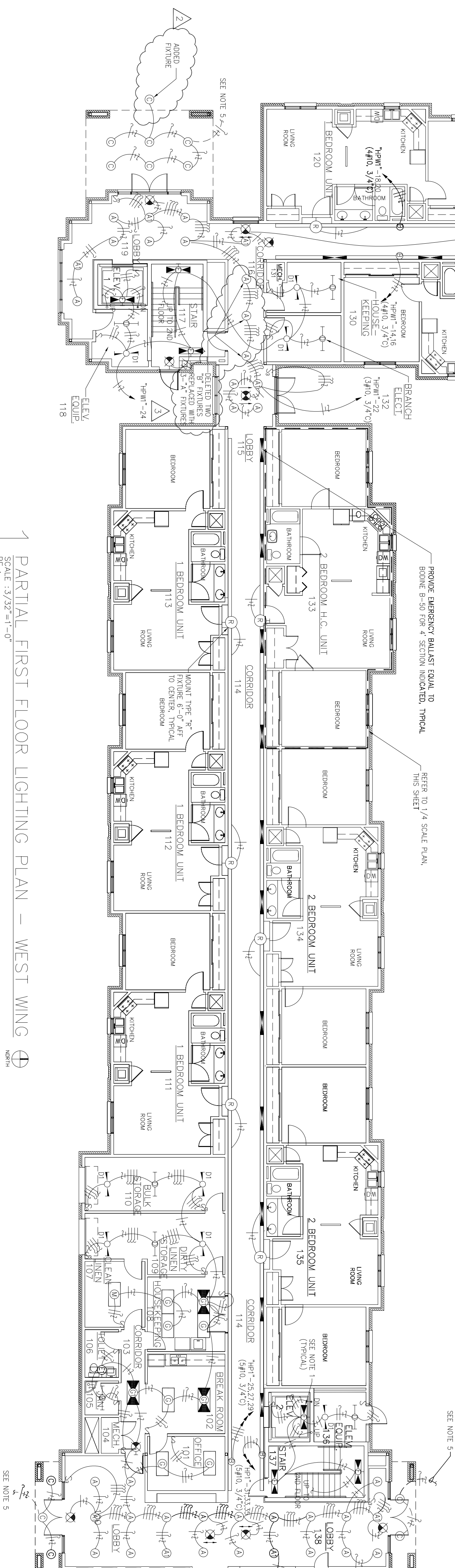
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1 PARTIAL FIRST FLOOR LIGHTING PLAN - WEST WING

SCALE : 3/32" = 1'-0"

RE :

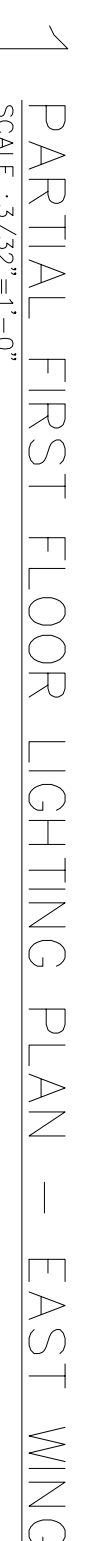
⊕ N





PROJECT TITLE						
7	Noted switches added					
6	'H' fixture was deleted in Bathroom					
5	Deleted 'U' fixture in Mech Room and associated switch					
4	Deleted the 'B' fixtures and replaced with six 'R' fixtures					
3	Changed location and layout of fixtures due to change in floor plan					
2	'C' fixture added outside exterior Portico					
1	Deleted the 'B' fixtures and replaced with three 'A' fixtures					
No.	Revising / Issues	Date	BY	APPROVED		

SHEET TITLE	
PARTIAL FIRST FLOOR LIGHTING PLAN	
AS-BUILT	
DRAWN BY KRD	LEAD DESIGNER BRM
TECH REVIEWER	PROJECT NUMBER NKA402-5001
DESIGNED BY ETM	SHEET 94 of 10 E3
DATE 28 MAY 2002	
SCALE	
AS NOTED	



1. INSTALL ONE TYPE "T" LIGHT FIXTURE @ 2'-6" ABOVE PL FLOOR AND ONE TYPE "T" LIGHT FIXTURE @ 2'-6" ABOVE EACH FLOOR (LANNING). ELEVATOR CAR, RACK, AND CABLES.
2. DOWN STAIR FAN SPEED AND DIMMER DOWN STAIR FAN TO LEVISON #4530.
3. TYPE "B" FIXTURE TO BE NON-SWITCHED.
4. TO TYPE "P" FIXTURES, REFER TO SHEET PAGE 1.
5. NOT USED



1	Switch added for Range Hood			
No.	Revision/Issue	Date	BY	APP'D

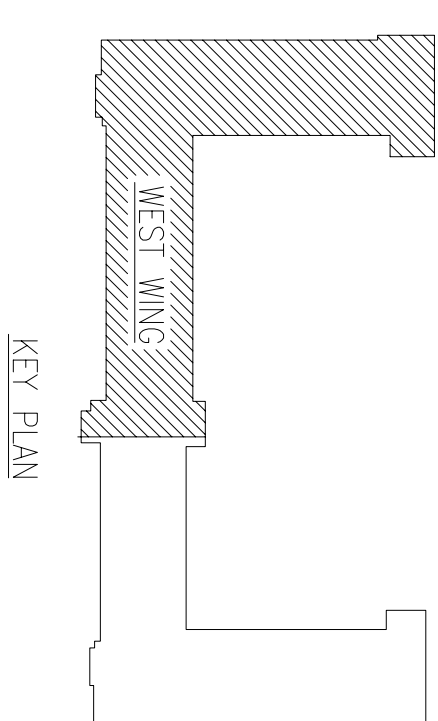
PROJECT TITLE
TEMPORARY LODGING
FACILITY

SHEET TITLE
PARTIAL FIRST FLOOR
POWER & SYSTEMS
PLAN

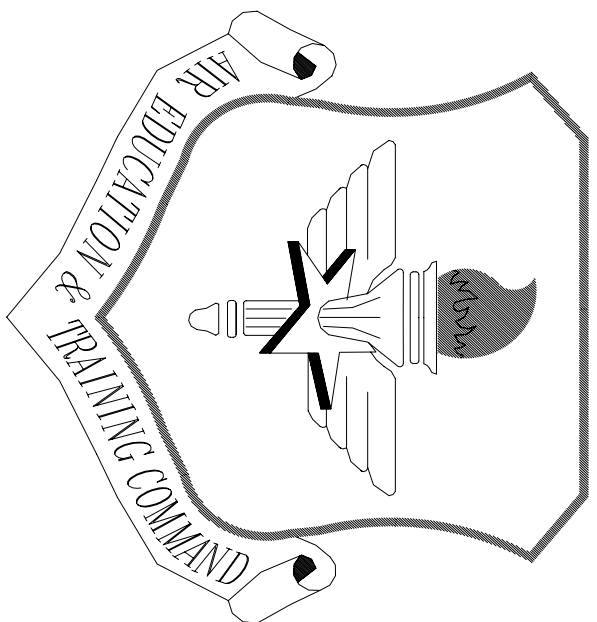
AS-BUILT



- COMBINATION SIZE 0.3
-
- TYPICAL (SEE NOTE 8)



KEY PLAN



LITTLE ROCK A.F.B.
ARKANSAS

ONE ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

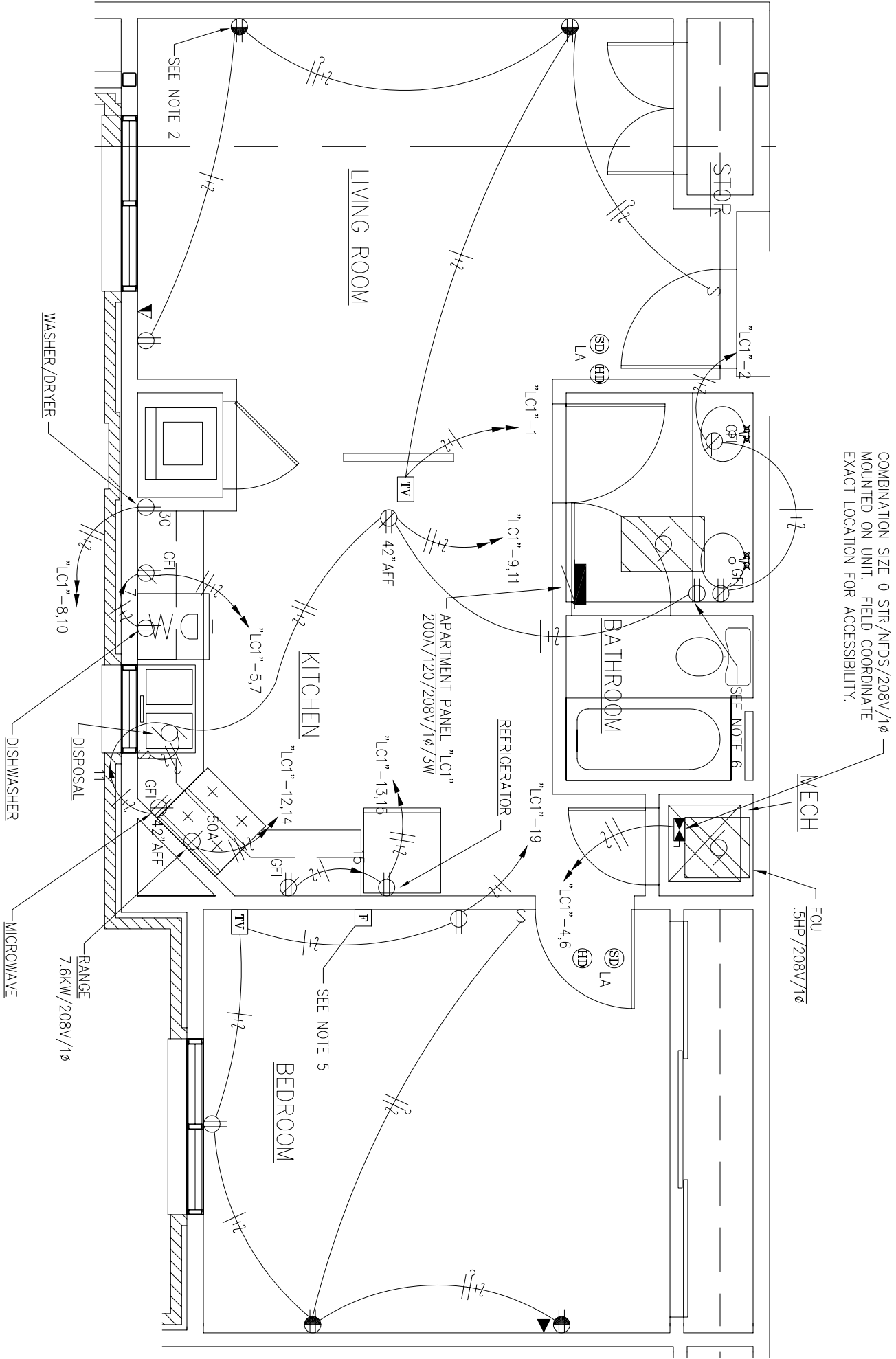
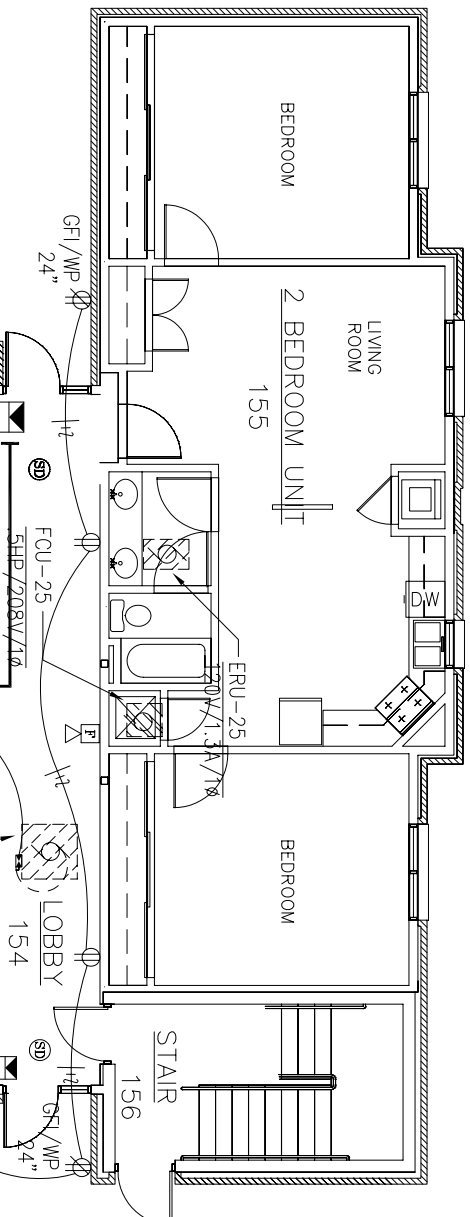
No.	Revision/Issue	Date	BY	APP'D
1	No changes from Design to As-Built			

TEMPORARY LODGING
FACILITY

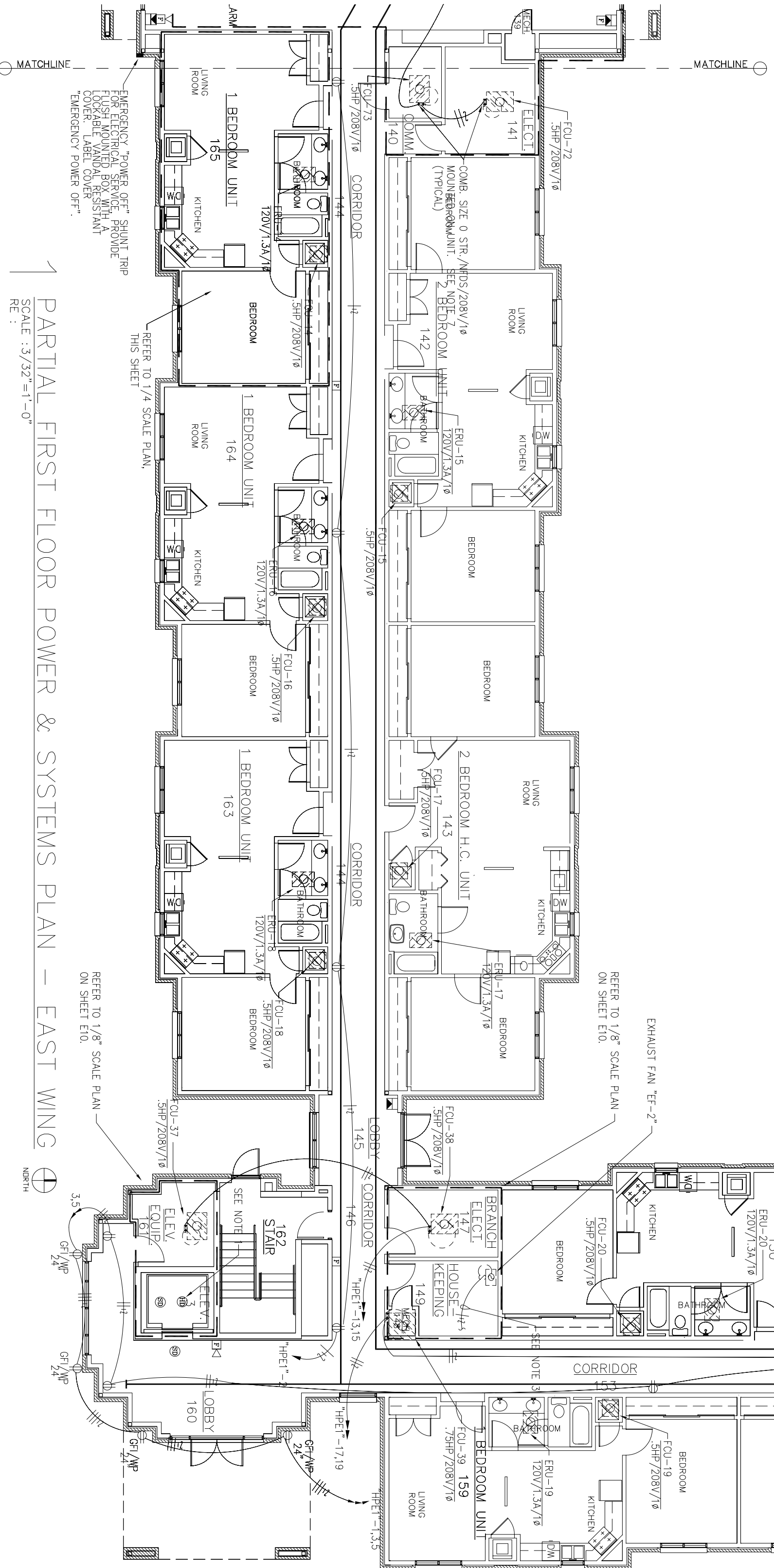
SHEET TITLE
PARTIAL FIRST FLOOR
POWER & SYSTEMS
PLAN
AS-BUILT

DRAWN BY KRD	LEAD DESIGNER BRM
TECH REVIEWER	FILE LOCATION
DESIGNED BY BTM	PROJECT NUMBER NKA002-5001
DATE 28 MAY 2002	SHEET E5
SCALE AS NOTED	96 OF 108

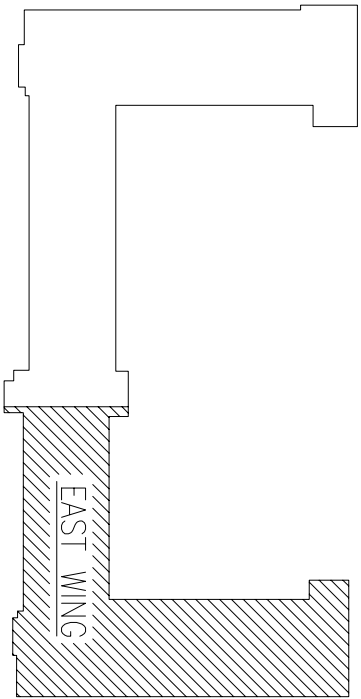
- NOTES:
1. INSTALL HEAT AND SMOKE DETECTORS IN ELEVATOR PIT.
 2. TOP HALF OF RECEPTACLE TO BE SWITCHED AT THE DOOR FOR TABLE LAMP - TYPICAL THIS SYMBOL.
 3. DOWN TO ROOM RECEPTACLE CIRCUIT.
 4. NOT USED
 5. UNDER BIO OPTION #4, INCLUDE FIRE ALARM VISUAL DEVICE IN ALL UNITS AS SHOWN.
 6. ENERGY RECOVERY UNIT "TRN-X" 1.3A/120/1ø TYPICAL EACH TWO BEDROOM ADA UNIT. REFER TO 3/32" SCALE PLAN FOR UNIT NUMBER. INSTALL RECEPTACLE NEXT TO UNIT.
 7. FIELD COORDINATE EXACT LOCATION OF DEVICE FOR ACCESSIBILITY.
 8. PROVIDE CENTER SUPPORTED CABLE MANAGEMENT LAYERS 4" ABOVE CEILING ON BOTH SIDES OF CORRIDOR IN APPROPRIATE LOCATION SHOWN. FIELD COORDINATE EXACT LOCATION FOR ACCESSIBILITY.



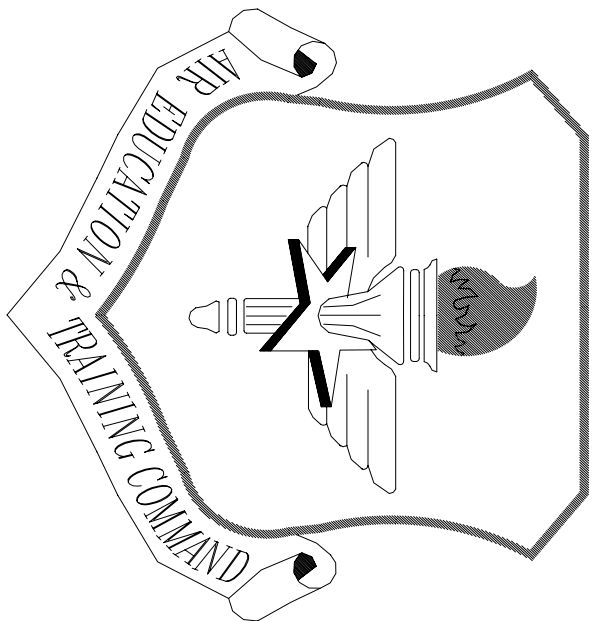
2 TYPICAL ONE BEDROOM UNIT - POWER & SYSTEMS
SCALE: 1/4"=1'-0"



1 PARTIAL FIRST FLOOR POWER & SYSTEMS PLAN - EAST WING
SCALE: 3/32"=1'-0"



KEY PLAN



LITTLE ROCK A.F.B.
ARKANSAS

OWN ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

No.	Revision/Issue	Date	BY	APP'D
5	Added noted switch			
4	Delete "H" fixture and moved noted switch			
3	Delete "U" fixture and associated switch			
2	Delete a portion of the "B" fixture and add one "C" fixture			
1	Delete two "B" fixtures and replace with three "A" fixtures			

PROJECT TITLE

TEMPORARY LODGING FACILITY

SHEET TITLE

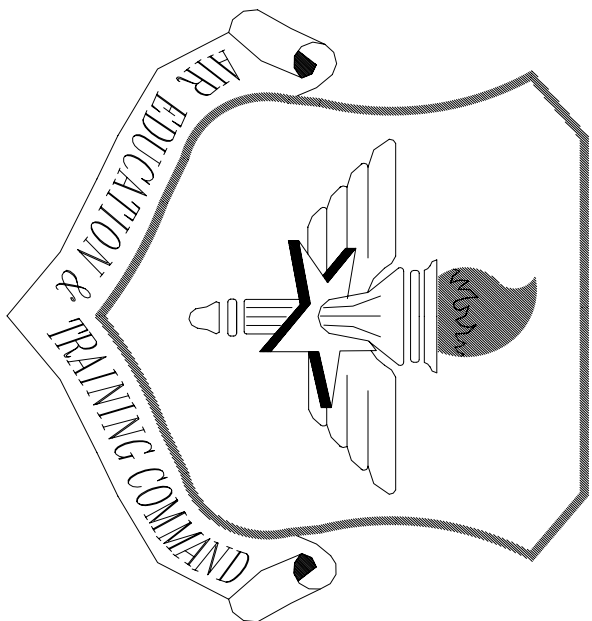
PARTIAL SECOND FLOOR LIGHTING PLAN

DRAWN BY	LEAD DESIGNER
KRD	BRW
TECH. REVIEWER	FILE LOCATION
DESIGNED BY	PROJECT NUMBER
BTM	NAK02-5001
DATE	SHEET
28 MAY 2002	E6
SCALE	AS NOTED
	97 OF 108

NOTES:

1. INSTALL ONE TYPE "H" LIGHT FIXTURE @ 2'-6" ABOVE FIN FLOOR AND ONE TYPE "U" LIGHT FIXTURE @ 7'-0" ABOVE FIN FLOOR (LANDING), ELEVATOR CAB, TRUCK, AND CABLES.
2. DATA SURE CAN SPEED AND DIMMER CONTROLS, EQUAL TO LANTON #P550.
3. TYPE "B" FIXTURE TO BE NONSWITCHED.

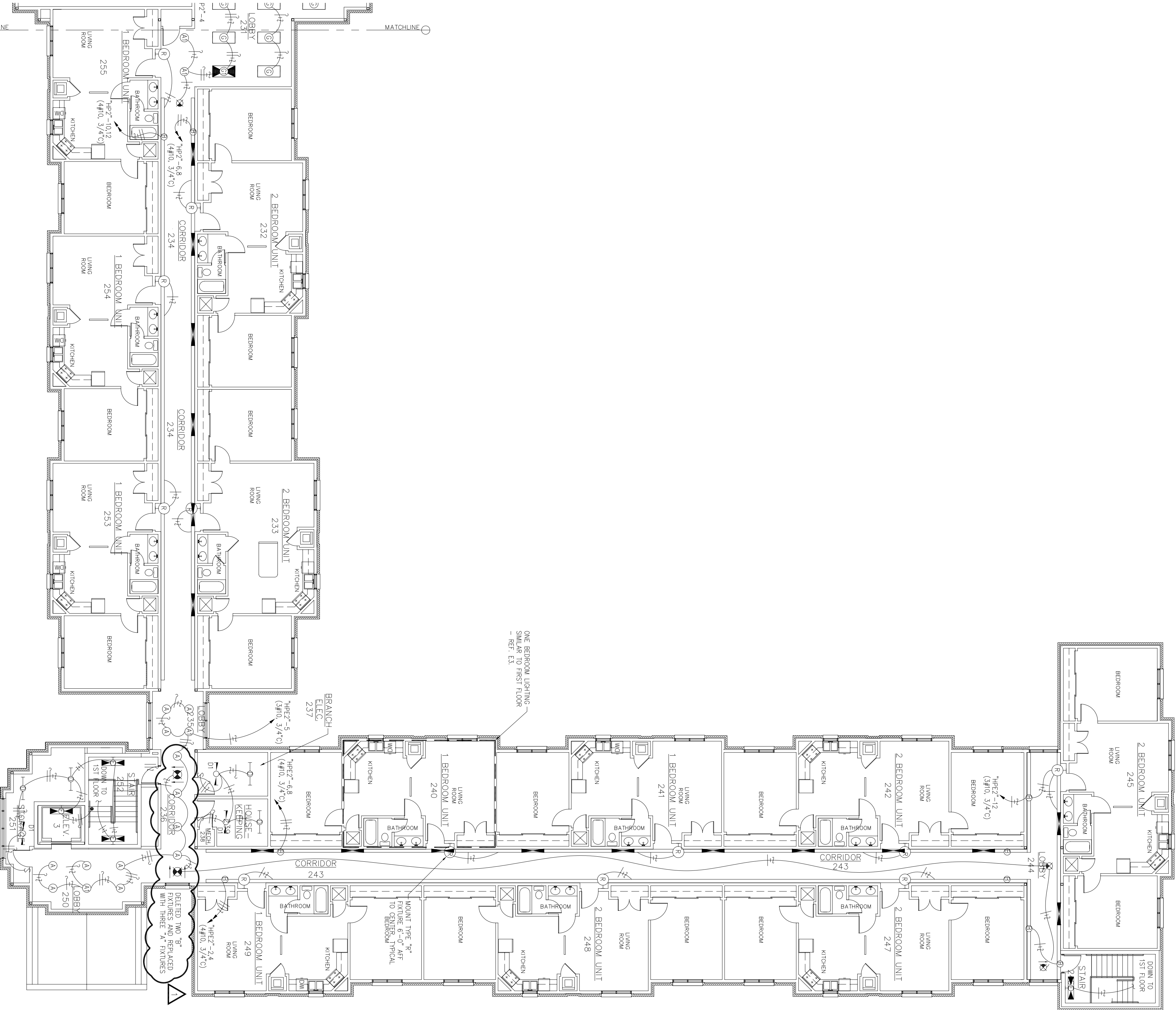




LITTLE ROCK A.F.B.
ARKANSAS

NOTES:

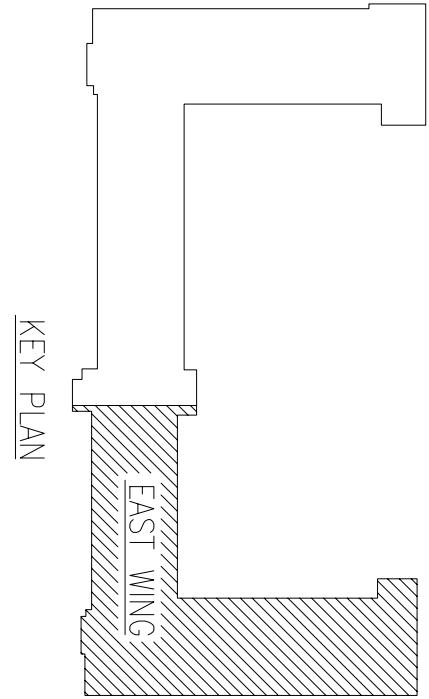
1. INSTALL ONE TYPE "B" LIGHT FIXTURE @ 2'-6" ABOVE PT FLOOR AND ONE TYPE "A" LIGHT FIXTURE @ 6'-0" ABOVE PT FLOOR (SEE LANDING). FIELD VERIFY EXACT LOCATION TO AVOID CONFLICT WITH ELEVATOR CAB, TRUCK, AND CABLES.
2. TYPE "B" FIXTURE TO BE NONSWITCHED.



PARTIAL SECOND FLOOR LIGHTING PLAN – EAST WING

SCALE: 3/32"=1'-0"

RE: 1



KEY PLAN

OWN ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

No.	Revision/Issue	Date	BY	APP'D
1	Deleted "B" fixtures and replaced with three "A" fixtures			

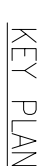
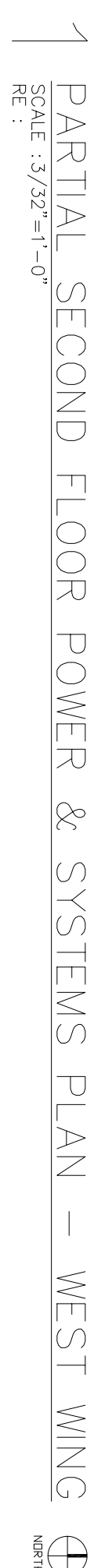
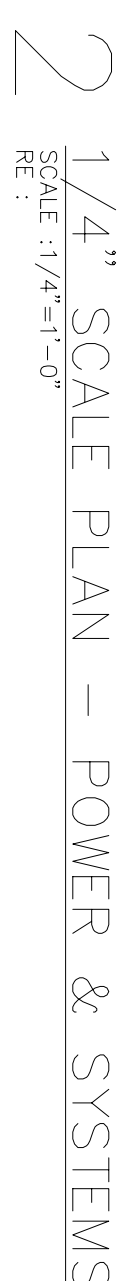
PROJECT TITLE
TEMPORARY LODGING
FACILITY

SHEET TITLE
PARTIAL SECOND FLOOR
LIGHTING PLAN
AS-BUILT

DRAWN BY KRD	LEAD DESIGNER BRM
TECH REVIEWER	FILE LOCATION
DESIGNED BY BTM	PROJECT NUMBER NKA402-5001
DATE 28 MAY 2002	SHEET E7
SCALE AS NOTED	98 of 108



1. INSTALL SMOKE DETECTOR AND HEAT DETECTOR AT TOP OF SHAFT.
2. TOP HALL BE RECEPTACLE TO BE SWITCHED AT THE DOOR FOR "TALE LAMP" - TYPICAL THIS SYMBOL.
3. DOWN TO ROOM RECEPTACLE CIRCUIT.
4. NOT USED
5. UNDER ADDRESS, ALTERNATE #2 INCLUDE PRE-ALARM VISUAL DEVICE IN ALL FLOORS TO SHOWN.
6. ENERGY REDUCER UNIT: TELL- $\frac{1}{2}$ 1.5A/120V/1" TYPICAL EXACT TWO INCHES FROM WALL TO FACE OF UNIT. SOLE PLATE FOR UNIT NUMBER INSTALL RECEPTACLE NEXT TO UNIT.
7. FAN COIL UNIT: TELL- $\frac{1}{2}$ 50P/208V/4" TYPICAL EXACT TWO INCHES FROM WALL TO FACE OF UNIT. SOLE PLATE FOR UNIT NUMBER AND UNIT NUMBER TO SIZE/2 SIZE PLATE FOR UNIT HEATER.
8. PROVIDE GROUNDING SUPPORTED CABLE MANUFACTURED UNDER #2 ABOVE.
9. CEILING ON HIGH SIDES OF CORRIDOR IN APPROPRIATE LOCATION. TALE LAMP. FIELD COORDINATE EXACT LOCATION FOR ACCESSIBILITY.
10. COMMUNICATION LINE 3 (SHARED) 150V/208V/1" MOUNTED ON UNIT FIELD COORDINATE. LOCATION FOR ACCESSIBILITY. TYPICAL.
11. COMMUNICATION LINE 3 (SHARED) 150V/208V/1" MOUNTED ON UNIT. FIELD COORDINATE. LOCATION FOR ACCESSIBILITY.



1	Relocated receptacle from other bedroom as noted			
No.	Revision/Issue	Date	BY	APP'D

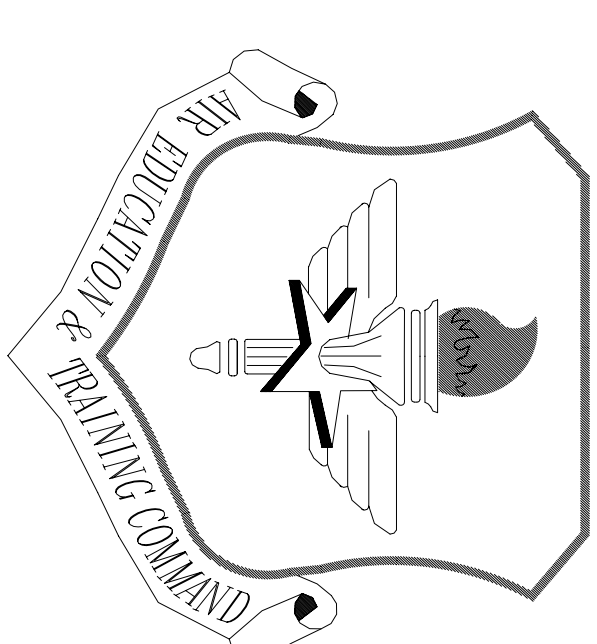
DRAWN BY KRD	LEAD DESIGNER BRM
TECH REVIEWER	FILE LOCATION
DESIGNED BY BTM	PROJECT NUMBER NKAK02-5001
DATE 28 MAY 2002	SHEET E8
SCALE AS NOTED	99 OF 108

SHEET TITLE
PARTIAL SECOND FLOOR
POWER & SYSTEMS
PLAN

AS-BUILT

TEMPORARY LODGING

FACILITY

LITTLE ROCK A.F.B
ARKANSAS

CIVIL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

2	Relocated MP-2, 3, 4, & 5 to the locations noted				
1	Relocated VFD CHP-1 & 2 to the locations noted				
No.	Revision/Issue	Date	BY	APP'D	

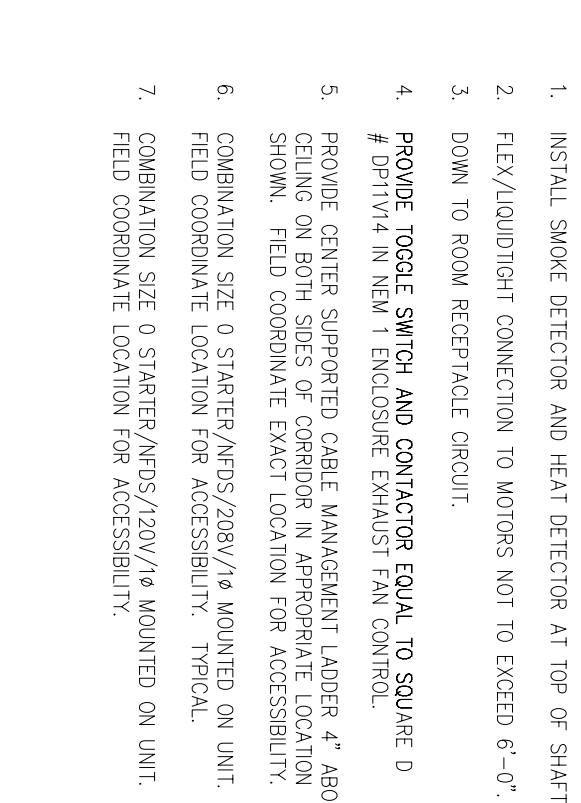
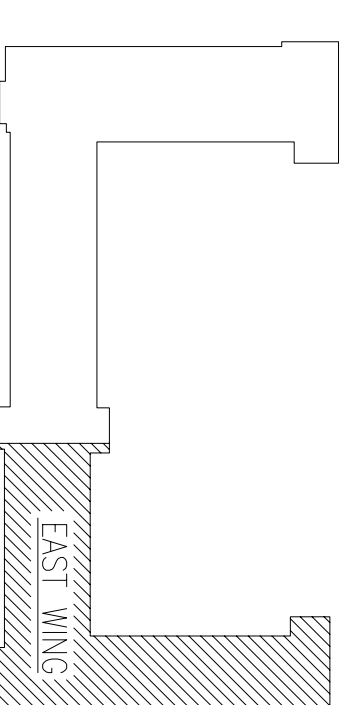
TEMPORARY LODGING FACILITY

SHEET TITLE

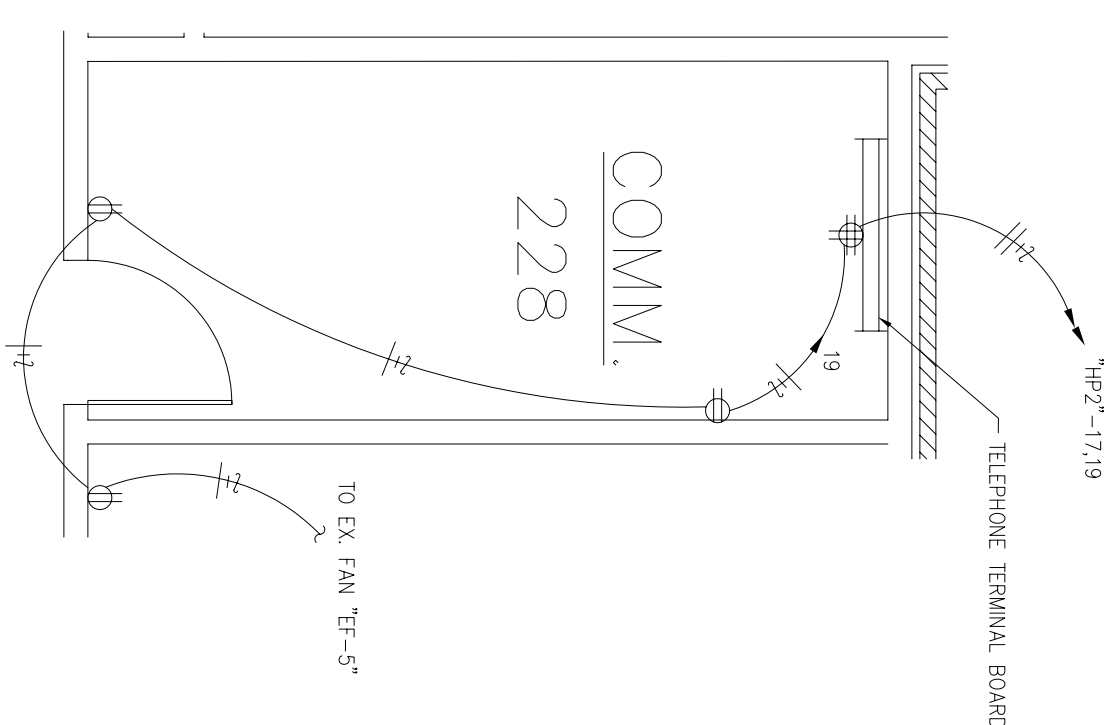
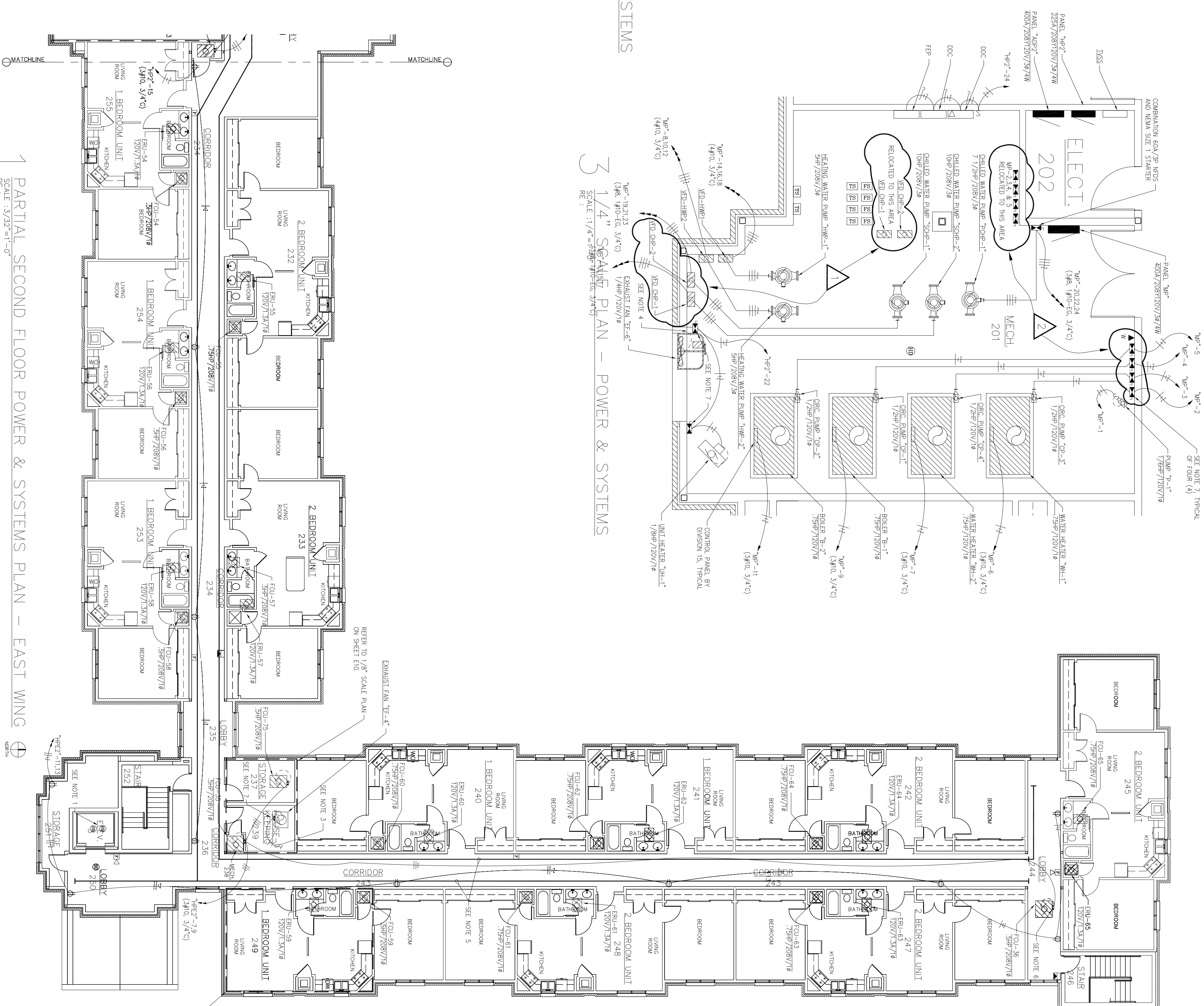
PARTIAL SECOND FLOOR
POWER & SYSTEMS
PLAN

AS-BUILT

DRAWN BY	LEAD DESIGNER
KRD	BRM
TECH REVIEWER	FILE LOCATION
DESIGNED BY	PROJECT NUMBER
BJM	NKAQ02-5001
DATE	SHEET
28 MAY 2002	E9
SCALE	100 OF 108
AS NOTED	



NOTES:

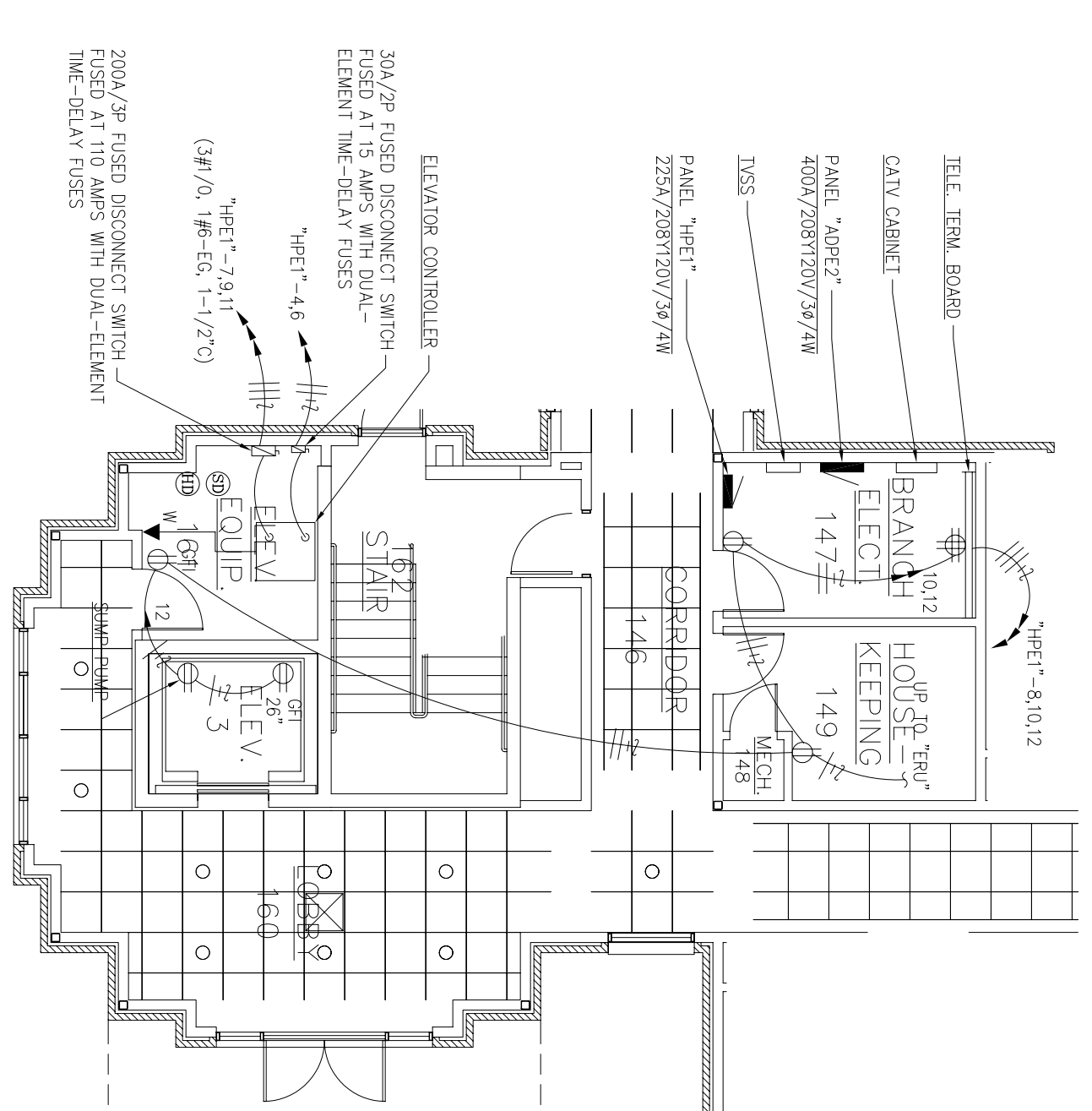


2 1/4" SCALE PLAN - POWER & SYSTEMS

3 1/4" SCALE PLAN - POWER & SYSTEMS
SCALE : 1/4" = 1'-0" (3/8" = 1'-0" E.G. 3/4")
RE :

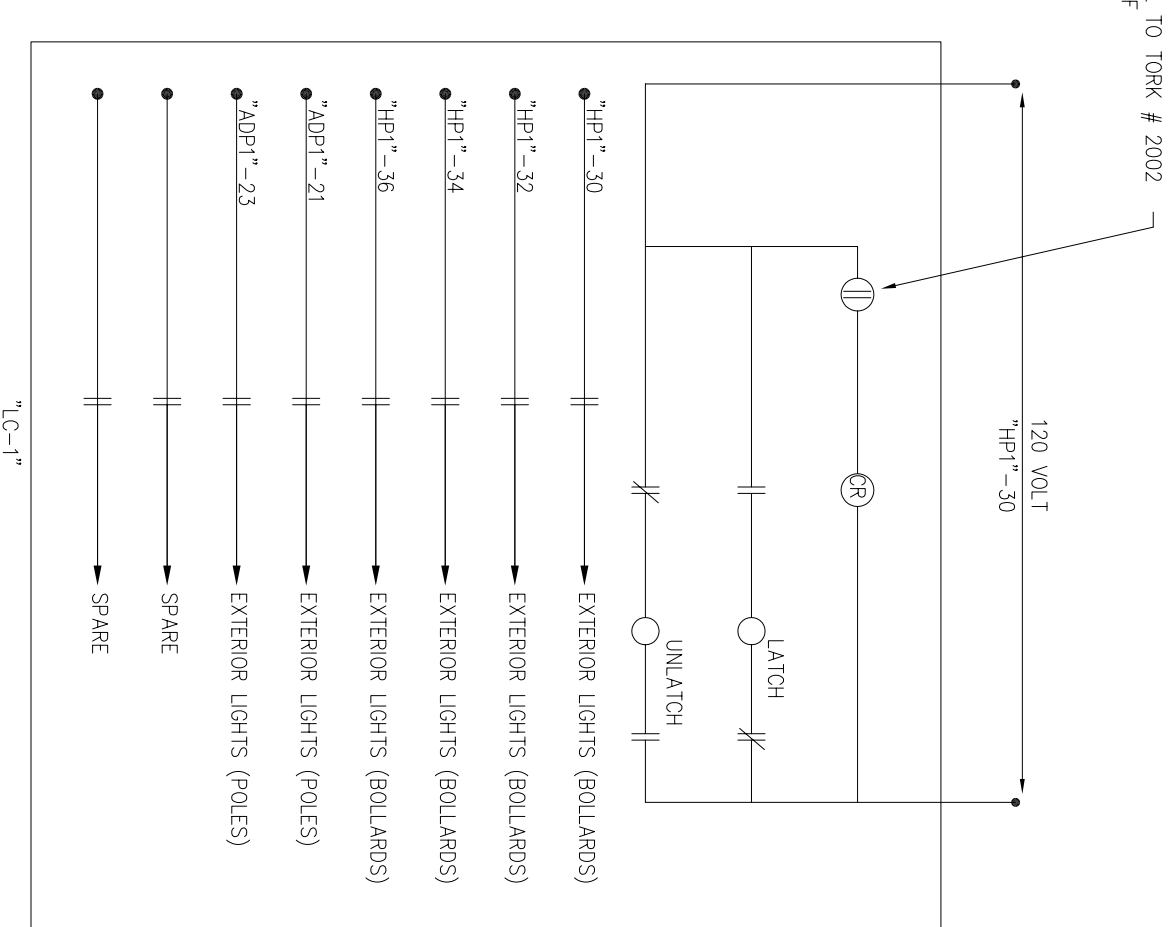
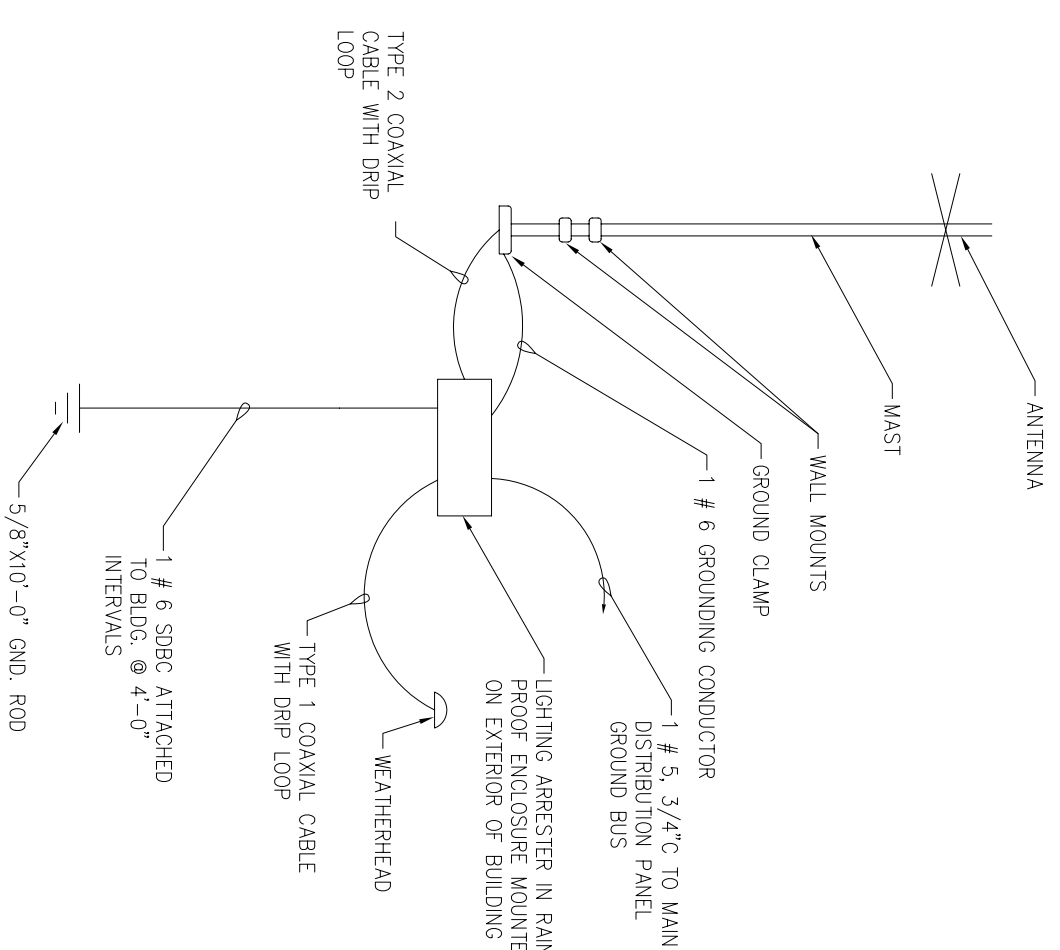
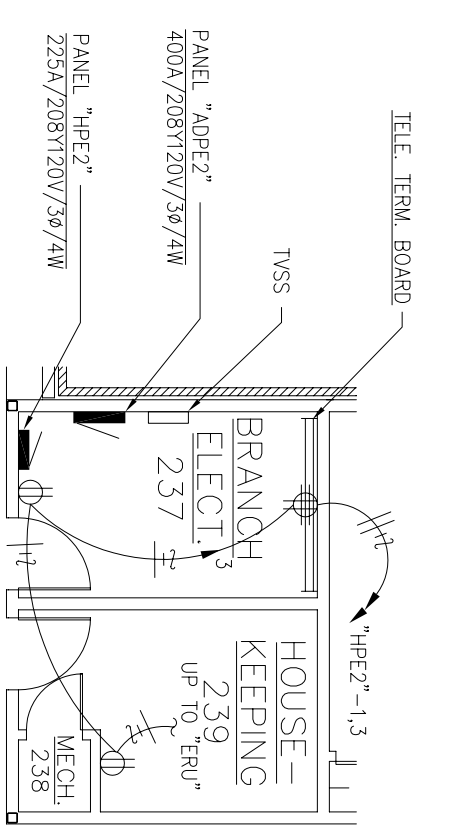
1 PARTIAL SECOND FLOOR POWER & SYSTEMS PLAN - EAST WING
SCALE : 3/32" = 1'-0"

KEY PLAN



2 FIRST FLOOR PARTIAL PLAN - ELECTRICAL
SCALE : 1/8" = 1'-0"
NORTH

3 FIRST FLOOR PARTIAL PLAN - ELECTRICAL
SCALE : 1/8" = 1'-0"
N



NOTES:

1. MECHANICALLY HELD LIGHTING CONTACTOR NEMA 1 ENCLOSURE EQUIVALENT TO SQUARE D LXG-80-120 VOLT WITH CONTROL RELAY LOCATED IN MAIN ELECTRIC ROOM

SECOND FLOOR PARTIAL PLAN - ELECTRICAL

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

NORTH

MONACO ANTENNA MOUNTING DETAIL
SCALE : NONE

7 EXTERIOR LIGHTING CONTROL DIAGRAM

CIVIL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROG/MAN. MANAGER	USING AGENCY

2	10' Ground Triangle U.G. 4/O# CU.			
1	Overhead Door Circuit added HP1 - 36, 38, & 40			
No.	Revision/Issue	Date	BY	APP'D

DRAWN BY	KRD	LEAD DESIGNER	BRM
TECH REVIEWER		FILE LOCATION	
DESIGNED BY	BTM	PROJECT NUMBER	NKA002-5001
DATE	28 MAY 2002	SHEET	101 OF 108
SCALE	AS NOTED		

SHEET TITLE

PARTIAL FLOOR
PLANS - ELECTRICAL
AND EXTERIOR
LIGHTING CONTROL
DIAGRAM

TEMPORARY LODGING FACILITY AS-BUILT

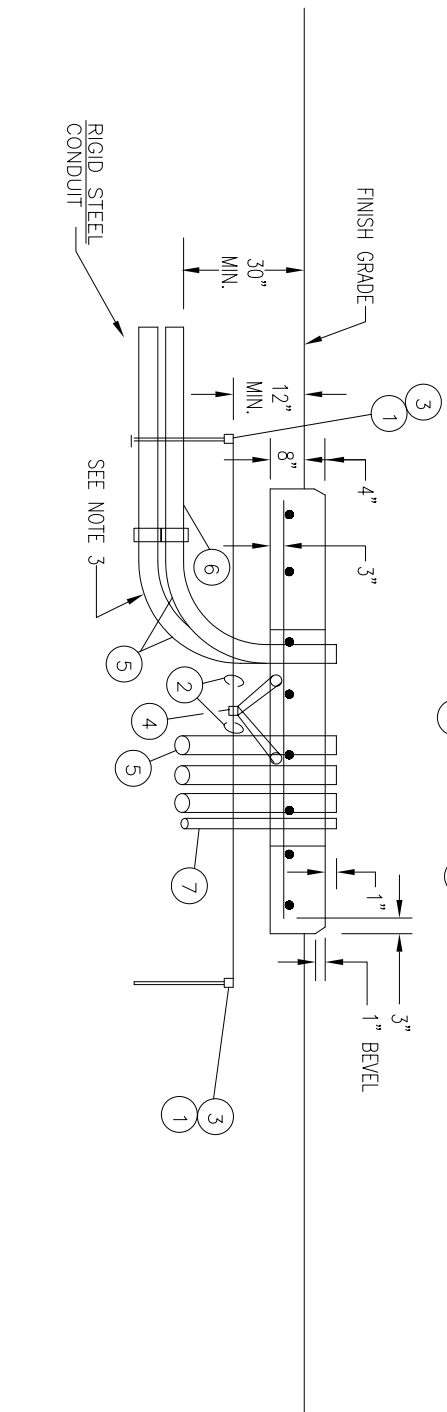
SHEET TITLE

PARTIAL FLOOR
PLANS - ELECTRICAL
AND EXTERIOR
LIGHTING CONTROL
DIAGRAM



- NOTE
1. WHERE POSSIBLE, 00 AND PLATE CONDUIT UNDER HIS SECTION OF FOUNDATION.
2. REINFORCING, 14 BARS, 12" C.C. EACH WAY.
3. WHEN INSTALLING CONCRETE, INSURE PROPER FILLING OF JOINTS AND PROVIDE PROPER FILLING OF FOUNDATION AREA AS LITTLE AS POSSIBLE. EXISTING CONDUIT 1" ABOVE FOUNDATION.
4. TOP OF FOUNDATION TO BE SMOOTHER AND LEVEL. FINAL GRADE SHALL SLOPE AWAY FROM PAUL.
5. CONCRETE SHALL BE 3000 PSI AT 28 DAYS AND 1:2:4 MIXTURE WITH 6 GAL. MAX. WATER PER CUBIC YARD OF CONCRETE.
6. CONTRIBUTING TO PARSHIP 1" CONDUIT UNDER PAUL FOR DRUM WIRE.
7. LOCATE CONDUITS UNDER PRIMARY AND SECONDARY BUSLINES.
8. TRANSFERRED LOCATION 1/4" SHALL BE ATTRIBUTED TO PAUL WITH CONCRETE NAILS OR SHEET METAL SCREWS.

QUAN.
4
AS PCQ'D
4
1
AS PCQ'D
AS PCQ'D
AS PCQ'D



SCALE: NONE



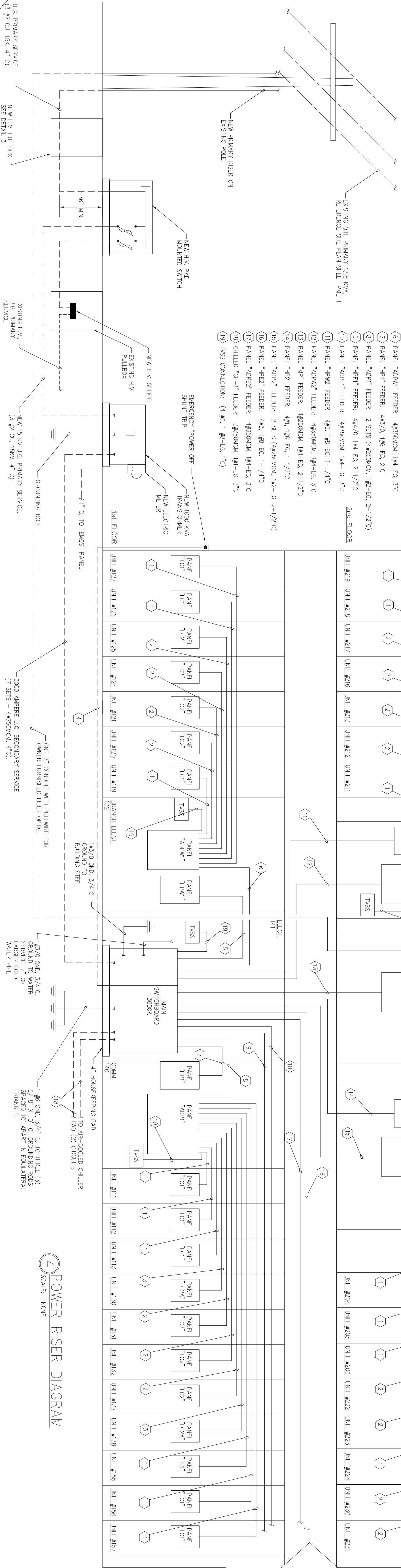
② ELECTRICAL SERVICE GROUNDING AND BONDING DETAIL

SCALE: NONE

WITH ARTICLE 250 OF THE NEC 1999 EDITION.

KEYED ELECTRICAL NOTES

- | | | |
|----|---------------------------------------|---------------------------------|
| 1 | PANEL 1,OT ⁺ FEEDER | 3M, 1#6-EG, 1-1/2" C |
| 2 | PANEL 1,CA ⁺ FEEDER | 3M, 1#6-EG, 1-1/2" C |
| 3 | PANEL 1,CA ⁺ FEEDER | 3M, 1#6-EG, 1-1/2" C |
| 4 | BENCHMARK SHUNT TRIP | 44/0, 3/4" C |
| 5 | PANEL 1#M ⁺ FEEDER | 44/0, 1#4-EG, 2-1/2" C |
| 6 | PANEL 1#M ⁺ FEEDER | 44/0, 1#4-EG, 2-1/2" C |
| 7 | PANEL 1#M ⁺ FEEDER | 2 SETS (44/0, 1#4-EG, 2" C) |
| 8 | PANEL 1#M ⁺ FEEDER | 2 SETS (44/0, 1#4-EG, 2-1/2" C) |
| 9 | PANEL 1#M ⁺ FEEDER | 44/0, 1#4-EG, 2-1/2" C |
| 10 | PANEL 1#M ⁺ FEEDER | 44/0, 1#4-EG, 3" C |
| 11 | PANEL 1#M ⁺ FEEDER | 44/0, 1#6-EG, 1-1/4" C |
| 12 | PANEL 1#M ⁺ FEEDER | 44/0, 1#6-EG, 3" C |
| 13 | PANEL 1#M ⁺ FEEDER | 44/0, 1#4-EG, 2-1/2" C |
| 14 | PANEL 1#M ⁺ FEEDER | 44/0, 1#6-EG, 1-1/2" C |
| 15 | PANEL 1#M ⁺ FEEDER | 2 SETS (44/0, 1#4-EG, 2-1/2" C) |
| 16 | PANEL 1#M ⁺ FEEDER | 44/0, 1#6-EG, 1-1/4" C |
| 17 | PANEL 1#M ⁺ FEEDER | 44/0, 1#6-EG, 3" C |
| 18 | SHUNT 1#M ⁺ FEEDER | 44/0, 1#6-EG, 3" C |
| 19 | ISSA CONTROLLER (4 #6, 1 #8-EG, 1" C) | |



4 POWER RISER DIAGRAM

SCALE: NOT

CIVIL ENGINEER	CHEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

1	No Changes from Design to As-Built			
No.	Revision/Issue	Date	BY	APP'D

DRAWN BY	BTM	LEAD DESIGNER	BTM
TECH REVIEWER		FILE LOCATION	
DESIGNED BY	BTM	PROJECT NUMBER	NKA02-5001
DATE	28 MAY 2002	SHEET	E11
SCALE	NONE		102 OF 108

SHEET TITLE

ELECTRICAL POWER SYSTEM RISER DIAGRAM AS-BUILT

TEMPORARY LODGING

FACILITY



CIVIL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	LIVING AGENCY

[illegible]

SHEET TITLE

FIRE ALARM SYSTEM
RISER DIAGRAM (WEST)

AS-BUILT

DRAWN BY BTM	LEAD DESIGNER BRM
TECH REVIEWER	FILE LOCATION
DESIGNED BY BTM	PROJECT NUMBER NKAK02-5001
DATE 28 MAY 2002	SHEET E12
SCALE NONE	103 OF 108



STRUCTURE

CEILING

2nd FLOOR

CEILING

1st FLOOR

GROUND BAR AS CALLED FOR IN SPECIFICATIONS

3/4" CONDUIT, TYPICAL TO EACH OUTLET.

ROUTE TWO 4" CONDUITS IN EXTERIOR WALL TO ABOVE LOBBY 231 CEILING WITHIN 12" OF CABLE LADDER.

4" C STUBBED ABOVE AN ACCESSIBLE CORRIDOR CEILING WITHIN 12" OF CABLE LADDER, TYPICAL FOR FOUR.

3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CORRIDOR CEILING WITHIN 12" OF CABLE LADDER. CABLE HOMERUN TO CATV EQUIPMENT CABINET ROUTED IN CABLE LADDER ABOVE CORRIDOR CEILING, TYPICAL.

JUNCTION BOX INSTALLED IN MECHANICAL CLOSET OF EACH UNIT, PROVIDE SPLITTER AS REQUIRED FOR NUMBER OF OUTLETS.

CATV EQUIPMENT CABINET

146-EG, 1/2" C TO MDP GROUND BUS

ROOMS AND OUTLETS:

- 2nd FLOOR: 218, 214, 219, 220, 213, 221, 212, 225, 206, 226, 205, 204, 227, 255, 232, 254, 233, 253, 249, 240, 248, 241, 242, 247, 245
- 1st FLOOR: 126, 127, 122, 128, 121, 129, 120, 133, 113, 134, 112, 111, 135, 108, 102, 140, 165, 142, 164, 143, 163, 159, 150, 158, 151, 152, 257, 155

CIVIL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USING AGENCY

PROJECT TITLE

TEMPORARY LODGING
FACILITY

DRAWN BY BTM	LEAD DESIGNER BRM
TECH REVIEWER	FILE LOCATION
DESIGNED BY BTM	PROJECT NUMBER NKA02-5001
DATE 28 MAY 2002	SHEET E13
SCALE NONE	104 OF 108



LIGHT FIXTURE SCHEDULE				
TYPE	MANUFACTURER CAT. NO.	VOLT	LAMP	REMARKS
A	LITHONIA #AF226DTT8ARLS120-GEB10	120	2-26WDT/35/4PIN	8" ROUND RECESSED COMPACT FLUORESCENT CAN FIXTURE
A1	LITHONIA #AF226DTT8ARLS120-GEB10-EL	120	2-26WDT/35/4PIN	8" ROUND RECESSED COMPACT FLUORESCENT CAN FIXTURE WITH BODINE EMERGENCY BATTERY BALLAST
B	NEORAY #79PF/1BX-XX	120	1-39W BLAX PER 2' SECTION	RECESSED WALL WASH SYSTEM, LENGTH AS SHOWN ON PLANS
C	LITHONIA #AH-100S-7-AR-120	120	1-100W HPS	7" RECESSED HID CAN FIXTURE
D	LITHONIA #C-2-32-120-HPF-CASR-48-WH-WGCASR	120	2-F32T8/SPX35	4' FLUORESCENT STRIP WITH ASYMMETRICAL REFLECTOR AND WIRE GUARD
D1	LITHONIA #C-2-32-120-HPF-CASR-48-WH-WGCASR-EL	120	2-F32T8/SPX35	4' FLUORESCENT STRIP WITH ASYMMETRICAL REFLECTOR, WIRE GUARD, AND BODINE B-50 EMERGENCY BATTERY BALLAST
E	LITHONIA #WS-2-32-A12125-120-EL	120	2-F32T8/SPX35	4' WALL MOUNTED FLUORESCENT FIXTURE WITH BODINE B-50 EMERGENCY BATTERY BALLAST
F	LITHONIA #SM-1-32-120-HPF-EL	120	1-F32T8/SPX35	4' SLIM LINE FLUORESCENT STRIP FIXTURE WITH BODINE B-50 EMERGENCY BATTERY BALLAST
G	LITHONIA #ZSP-G-2-32-RN-A12125-120	120	2-F32T8/SPX35	2'X4' LAY-IN FLUORESCENT
G1	LITHONIA #ZSP-G-2-32-RN-A12125-120-EM	120	2-F32T8/SPX35	2'X4' LAY-IN FLUORESCENT WITH EMERGENCY BALLAST
H	HALO #1371-401 AL	120	W/ UNIT	CEILING MOUNTED HEAT LAMP
I	LIGHTOLIER #5453-PC	120	4-60W G25 CLEAR	3' WALL MOUNTED FIXTURE
K	ALPHA #G06 FROSTED-PT719-901QJ	120	1-50W MR16	PENDANT MOUNTED FIXTURE
L	LIGHTOLIER #5454-PC	120	6-60W G25 CLEAR	4' WALL MOUNTED FIXTURE
M	LITHONIA #ZSP-G-4-32-RN-A12125-120-TGFMKT	120	4-F32T8/SPX35	2' X 4' LAY-IN FLUORESCENT FIXTURE (4 LAMP) WITH TRIPLE MYLAR GASKET AND FRAME KIT
N	QL LIGHTING #SL-21-F-HPS-400-208-DBZ W/ 30' SQSS-30-5.0-H POLE	208	1-400W HPS	30' SQUARE DARK BRONZE POLE W/ DARK BRONZE SHOE BOX
O	HALO #171CT-172 FS	120	1-60W A19	SHOWER LIGHT
P	QL LIGHTING #PBR-8-42-CLL-HPS-100-120-DBZ	120	1-100W HPS	42" HIGH, 8" ROUND BOLLARD, DARK BRONZE
Q	HUNTER #22427 W/ #4 OAK BLADES(#22498) AND LOW PROFILE OPAL GLASS	120	W/ UNIT	CEILING FAN WITH LIGHT KIT
R	DAVIS MULLER #54510-1-2026-TD-1-WH	120	2-26W DTT/35/4PIN	WALL SCONCE
S	LITHONIA #ZS-25-120-GEB-SWR	120	1-F25T8/SPX35	2' UNDER COUNTER LIGHT WITH INTEGRAL ROCKER SWITCH
T	HALO #1803-810BA	120	2-26W DTT/35/4PIN	7-3/8" COMPACT FLUORESCENT DOWN LIGHT WITH BLACK BAFFLE
U	METALUX #6313	120	1-F25T8/SPX 35	WALL MOUNTED FLUORESCENT
V	METALUX #BC-132-120V-GEB81	120	1-F25T8/SPX 35	CLOSET LIGHT
☒	EXIDE #E803WSROTF	120	LED W/ UNIT	SINGLE FACE EXIT SIGN (ARROWS AS INDICATED ON DRAWINGS)
☒	EXIDE #E803WSROTF	120	LED W/ UNIT	DOUBLE FACE EXIT SIGN (ARROWS AS INDICATED ON DRAWINGS)



SYMBOLS SCHEDULE			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FLUORESCENT LIGHTING OUTLET – CEILING MOUNTED		DUPLEX RECEPTACLE
	EMERGENCY LIGHTING OUTLET – CEILING MOUNTED		DUPLEX RECEPTACLE – GROUND FAULT INTERRUPTING AND WEATHER-PROOF TYPES AS INDICATED ON PLANS
	INCANDESCENT, COMPACT FLUORESCENT, OR HID LIGHTING OUTLET – CEILING MOUNTED		DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP – VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS
	INCANDESCENT, COMPACT FLUORESCENT, OR HID LIGHTING OUTLET – WALL MOUNTED		QUADRAPLEX RECEPTACLE
	FLUORESCENT STRIP FIXTURE		SPECIAL PURPOSE OUTLET – NEMA CONFIGURATION (VOLTAGE, AMPACITY) INDICATED
	FLUORESCENT STRIP FIXTURE – EMERGENCY		NONFUSED DISCONNECT SWITCH – SIZE NOTED ON PLAN
	EXIT SIGN		COMBINATION MOTOR STARTER AND DISCONNECT SWITCH
	EXIT SIGN – WALL MOUNTED		FUSED DISCONNECT
	SINGLE-POLE SWITCH		ELECTRIC MOTOR
	THREE-WAY SWITCH		SURFACE MOUNTED PANEL BOARD
	DIMMER CONTROL SWITCH – DUAL SLIDE TYPE FOR CEILING FANS		FLUSH MOUNTED PANEL BOARD
	MANUAL MOTOR STARTER WITH OVERLOADS, TOGGLE OPERATED		TELEPHONE TERMINAL BOARD
	SINGLE-POLE SWITCH WITH PILOT LIGHT		TELEPHONE OUTLET
	MULTI-LEVEL SWITCHES: S _a – SWITCHES 2 OUTBOARD LAMPS & S _b – SWITCHES INBOARD LAMPS		TELEPHONE OUTLET – WALL MOUNTED
	DOORBELL PUSHBUTTON EQUAL TO EDWARDS #620 WITH EDWARDS #591 TRANSFORMER		COMPUTER OUTLET
	BRANCH CIRCUIT IN CONDUIT – HOT LEG, SWITCH LEG, NEUTRAL, AND EQUIPMENT GROUND		COMBINATION TELEPHONE/COMPUTER OUTLET
	BRANCH CIRCUIT HOMERUN – PANEL & CIRCUIT NUMBER INDICATED		COMBINATION TELEVISION OUTLET/DUPLEX RECEPTACLE MOUNTED AT SPECIFIED HEIGHT
	CONDUIT CONCEALED IN OR BELOW FLOOR SLAB		FIRE ALARM AUDIO/VISUAL DEVICE
	EMERGENCY CIRCUIT IN CONDUIT		FIRE ALARM VISUAL DEVICE
	FLEXIBLE CONDUIT		FIRE ALARM PULL STATION
	DASHED INDICATES EXISTING EXISTING RELOCATED		HEAT DETECTOR
	ABOVE COUNTER NON-SWITCHED		SMOKE DETECTOR – "LA" INDICATES LOCAL ALARM TYPE DETECTOR WITH HORN BASE
	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE		CARD READER – ACCESS CONTROL
	OCCUPANCY SENSOR WITH EWELED SWITCH FOR HEAT SOURCES EQUAL TO LITHOMIA LITHONIC #LIRW-120W-LIAC-SCP-WH		DOOR BELL ALARM EQUAL TO EDWARDS #6536-F5



8. SIGNAL FROM FACP TO ENERGIZE RELAY "R".
9. RELAY BOX IS 12" x 12" x 6" WITH SCREEN-ON COVER. PROVIDE A 4PDT RELAY (COIL VOLTAGE TO INTERFACE WITH FACP).
10. 3 POLE SHUNT TRIP CIRCUIT BREAKER FOR ELEVATOR MOTOR.
11. 1 POLE SHUNT TRIP CIRCUIT BREAKER FOR ELEVATOR CONTROL CIRCUIT AND ELEVATOR LIGHTS.
12. SHUNT MOUNTED SMOKE DETECTORS, WHEN ACTIVATED, SHALL INITIATE THE ELEVATOR RECALL FUNCTION AND SOUND THE GENERAL BUILDING ALARM.
13. PROVIDE ONE FORM "C" INTERLOCK ON MAIN POWER DISCONNECT. UNDER SERVICE CONDITIONS, INTERLOCK TELLS ELEVATOR CONTROL NOT TO LOWER CAB.
14. ACTIVATION OF THIS DEVICE WILL INITIATE GENERAL BUILDING ALARM AND SHUNT TRIP POWER TO MACHINE ROOM.
15. ACTIVATION OF SHUNT AND/OR MACHINE ROOM SOLENOID/FLOW SWITCH SHALL AUTOMATICALLY SHUNT TRIP POWER TO MACHINE ROOM AND ACTIVATE GENERAL ALARM.



1. EACH CIRCUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR, AND MULTI-WIRE CIRCUITS OF DIFFERENT PHASES MAY SHARE EQUIPMENT GROUND CONDUCTOR. EQUIPMENT GROUND CONDUIT SIZE SHALL NOT BE LESS THAN #12 AWG OR AS INDICATED ON THE DRAWINGS.
2. ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER, AND ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER USING BOLTED LUGS AT TERMINALS.
3. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED FOR BRANCH HOMERUNS. MINIMUM CONDUIT SIZE SHALL BE 1/2" FOR ALL OTHER BRANCH CIRCUIT CONDUIT.
4. ALL WIRING DEVICES SHALL BE INSTALLED PLUMB, SQUARE, AND TRUE; AND ALL DEVICES INSTALLED AT A SINGLE LOCATION SHALL BE ALIGNED.
5. MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE SPECIFIED.
6. ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE.
7. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL ELEVATIONS AND MILLWORK DETAILS FOR EXACT LOCATIONS OF ALL WIRING DEVICES.
8. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LAY-IN LIGHT FIXTURES.
9. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING ALL SWITCHES, RECEPTACLES, AND FIXED EQUIPMENT WITH THE BRANCH CIRCUIT PANEL NAME AND NUMBER SERVING EACH DEVICE.
10. ALL CONDUIT SHALL BE INSTALLED AS HIGH AS POSSIBLE (MOUNT TO BOTTOM OF STRUCTURE) TO AVOID CONFLICTS WITH DUCTWORK AND PIPING, THE ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION WITH THE MECHANICAL CONTRACTOR.
11. ON THREE PHASE, FOUR WIRE SYSTEMS, DO NOT USE A COMMON NEUTRAL FOR MORE THAN THREE CIRCUITS. MORE THAN THREE CIRCUITS IN ANY ONE CONDUIT IS NOT ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
12. ON SINGLE PHASE, THREE WIRE SYSTEMS, DO NOT USE A COMMON NEUTRAL FOR MORE THAN TWO CIRCUITS. MORE THAN TWO CIRCUITS IN ANY ONE CONDUIT IS NOT ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

[illegible]

DRAWN BY KRD	LEAD DESIGNER BRM
TECH. REVIEWER	FILE LOCATION
DESIGNED BY BTM	PROJECT NUMBER NKAK02-5001
DATE 28 MAY 2002	SHEET E15
SCALE NONE	106 OF 108



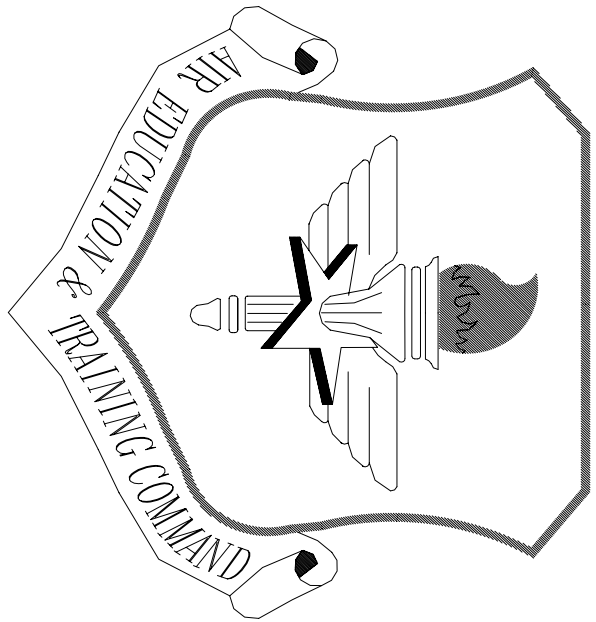
1	As-Built changes denoted by Design Item being crossed out			
No.	Revision/Issue	Date	BY	APP'D

TEMPORARY LODGING FACILITY

BTM	INKA02-5001
DATE 28 MAY 2002	SHEET E16
SCALE NONE	107 OF 108

* PROVIDE INTEGRAL PHASE LOSS AND REVERSAL PROTECTION

380 ANIPS $\rightarrow$ 853 AMPS160 AMPS



LITTLE ROCK A.F.B.
ARKANSAS

ONL ENGINEER	CHIEF ENGINEER
CHIEF OF OPERATIONS	BIO ENVIRONMENTAL ENG.
FIRE CHIEF	SAFETY
PROGRAM MANAGER	USMC AGENCY

APP'D	BY	Date	Revision/Issue
			As-Built changes denoted by Design Item being crossed out
1			No.

PROJECT TITLE
TEMPORARY LODGING
FACILITY

SHEET TITLE
ELECTRICAL PANEL
SCHEDULES
AS-BUILT

DESIGNED BY SPW	LEAD DESIGNER BRM
DESIGNED BY BTM	PROJECT NUMBER NKA002-5001
DATE 28 MAY 2002	SHEET E17
SCALE NONE	108 of 108

PANELBOARD: APPE2	VOLTAGE: 208Y/120Y	BUS RATING: 400A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 193,780
2ND FLR WEST AND ELEC ROOM 237	TYPE: SQUARE D I LINE HON BUS	EQUIP. GRO. BUS: YES	ISO. GRO. BUS: NO	TOTAL AB: 68,990
LOCATION: ELEC ROOM 237	TYPE: SQUARE D I LINE HON BUS	MINIMUM A.I.C. RATING: 22,000	FED FROM: MDP	TOTAL BB: 69,510
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 22,000	FED FROM: MDP	TOTAL CB: 55,280
LOAD (VA)	SERVICES	P/T CR NO. NO.	P/T CR NO. NO.	LOAD (VA)
A# B# C#				A# B# C#
13,710	2 BEDROOM UNIT 212	2/1	2/2	14,110
14,230	2 BEDROOM UNIT 213	2/25	3/4	13,230
13,710	2 BEDROOM UNIT 218	2/5	6/2	14,110
14,230	2 BEDROOM UNIT 216	2/25	7/8	13,230
13,710	2 BEDROOM UNIT 219	2/9	10/2	14,110
14,230	2 BEDROOM UNIT 217	2/25	11/12	13,230
14,230	2 BEDROOM UNIT 217	2/13	14/2	
14,230	TV SS	3/17	18/2	
-	-	3/17	18/2	
-	-	19/20	2/25	
-	-	60/21	22/2	
-	-	1/20	23/24	
-	-	2/25	-	

PANELBOARD: HPF2	VOLTAGE: 208Y/120Y	BUS RATING: 225A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 17,496
2ND FLR EAST AND ELEC ROOM 224	TYPE: SQUARE D NOOD	EQUIP. GRO. BUS: YES	ISO. GRO. BUS: NO	TOTAL AB: 6,030
LOCATION: ELEC ROOM 224	TYPE: SQUARE D NOOD	MINIMUM A.I.C. RATING: 14,000	FED FROM: MDP	TOTAL BB: 5,990
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 14,000	FED FROM: MDP	TOTAL CB: 5,556
LOAD (VA)	SERVICES	P/T CR NO. NO.	P/T CR NO. NO.	LOAD (VA)
A# B# C#				A# B# C#
1000	RECEPTACLES TELEPHONE TERM. BOARD	1/20	1/2	1600
600	RECEPTACLES ELEC. LIGHTING LOBBY 235	1/20	3/4	1600
1296	FAN COIL UNITS 35, 36 & 75	1/20	5/6	1600
1020	RECEPTACLES STORAGE 251	2/2	7/8	1600
800	RECEPTACLES CORRIDOR 243	2/20	9/10	1200
1530	FAN COIL UNITS 76, 77, & 81	1/20	13/14	1900
1530	SPARE	2/15	16/18	
		1/20	19/20	
		21/21	22/22	
		23/23	24/24	
		25/25	26/26	
		27/27	28/28	
		29/29	30/30	
		31/31	32/32	
		33/33	34/34	
		35/35	36/36	
		37/37	38/38	
		39/39	40/40	
		41/41	42/42	

PANELBOARD: MP	VOLTAGE: 208Y/120Y	BUS RATING: 400A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 59,260
LOCATION: MECHANICAL 201	TYPE: SQUARE D NOOD	EQUIP. GRO. BUS: YES	ISO. GRO. BUS: NO	TOTAL AB: 19,955
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 22,000	FED FROM: MDP	TOTAL CB: 20,680
LOAD (VA)	SERVICES	P/T CR NO. NO.	P/T CR NO. NO.	LOAD (VA)
A# B# C#				A# B# C#
530	PUMP "P-1"	1/20	1/2	1200
1200	CIRC PUMP "CP-1"	2/20	3/4	1200
1200	CIRC PUMP "CP-2"	2/20	5/6	1200
2255	WATER HEATER "WH-1"	1/30	7/8	2100
2255	WATER HEATER "WH-2"	1/30	9/10	2100
2255	BOLTER "B-1"	1/30	9/10	2100
3865	CHILLED WATER PUMP "CHW-1"	3/13	14/35	2100
3865	CHILLED WATER PUMP "CHW-2"	3/15	16/35	2100
3865	CHILLED WATER PUMP "CHW-3"	3/16	17/35	2100
3865	CHILLED WATER PUMP "CHW-4"	3/19	20/37	3040
3865	CHILLED WATER PUMP "CHW-5"	3/21	22/37	3040
3865	CHILLED WATER PUMP "CHW-6"	3/23	24/50	3040
3865	CHILLED WATER PUMP "CHW-7"	3/25	26/50	3040
3865	CHILLED WATER PUMP "CHW-8"	3/27	28/50	3040
3865	CHILLED WATER PUMP "CHW-9"	3/29	30/60	3040
3865	CHILLED WATER PUMP "CHW-10"	3/31	32/60	3040
3865	CHILLED WATER PUMP "CHW-11"	3/33	34/60	3040
3865	CHILLED WATER PUMP "CHW-12"	3/35	36/60	3040
3865	CHILLED WATER PUMP "CHW-13"	3/37	38/60	3040
3865	CHILLED WATER PUMP "CHW-14"	3/39	40/60	3040
3865	CHILLED WATER PUMP "CHW-15"	3/41	42/60	3040

PANELBOARD: LC2	VOLTAGE: 208Y/120Y	BUS RATING: 200A	MAIN: 125A MCB	TOTAL CONNECTED VA: 28,530
LOCATION: TWO BEDROOM UNIT	TYPE: SQUARE D NO	EQUIP. GRO. BUS: YES	ISO. GRO. BUS: NO	TOTAL AB: 13,710
MOUNTING: FLUSH	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 10,000	FED FROM: PANEL ADP	TOTAL CB: 14,230
LOAD (VA)	SERVICES	P/T CR NO. NO.	P/T CR NO. NO.	LOAD (VA)
A# B# C#				A# B# C#
1200	RECEPTACLES LIVING AREA	1/20	1/2	1200
1200	RECEPTACLES BEDROOM *	1/20	3/4	1200
1000	WASHER	1/20	5/6	2800
1320	DISHWASHER	1/20	7/8	2800
2900	RANGE	2/9	10/2	1000
2900	REFRIGERATOR	2/11	12/2	1000
1000	FAN COIL UNIT	1/20	13/14	1200
510	1/2 HP/208V/1#	2/17	18/20	1000
1000	SPARE	2/19	20/22	1000
1000	SPARE	2/21	22/22	1000
1000	SPARE	2/23	24/24	1000

* PROVIDE ARC-FAULT TYPE CIRCUIT BREAKER.

PANELBOARD: APPE2	VOLTAGE: 208Y/120Y	BUS RATING: 400A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 193,780
2ND FLR EAST AND ELEC ROOM 224	TYPE: SQUARE D I LINE HON BUS	EQUIP. GRO. BUS: YES	ISO. GRO. BUS: NO	TOTAL AB: 68,990
LOCATION: ELEC ROOM 224	TYPE: SQUARE D I LINE HON BUS	MINIMUM A.I.C. RATING: 22,000	FED FROM: MDP	TOTAL BB: 69,510
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 22,000	FED FROM: MDP	TOTAL CB: 55,280
LOAD (VA)	SERVICES	P/T CR NO. NO.	P/T CR NO. NO.	LOAD (VA)
A# B# C#				A# B# C#
13,710	2 BEDROOM UNIT 240	2/1	2/2	14,110
14,230	2 BEDROOM UNIT 238	2/25	3/4	13,230
13,710	2 BEDROOM UNIT 242	2/5	6/2	14,110
14,230	2 BEDROOM UNIT 242	2/25	7/8	13,230
13,710	2 BEDROOM UNIT 244	2/9	10/2	14,110
14,230	2 BEDROOM UNIT 243	2/25	11/12	13,230
14,230	2 BEDROOM UNIT 243	2/13	14/2	
14,230	TV SS	3/17	18/2	
-	-	3/17	18/2	
-	-	19/20	2/25	
-	-	60/21	22/2	
-	-	1/20	23/24	
-	-	2/25	-	

PANELBOARD: HPF2	VOLTAGE: 208Y/120Y	BUS RATING: 225A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 17,496
2ND FLR EAST AND ELEC ROOM 224	TYPE: SQUARE D NOOD	EQUIP. GRO. BUS: YES	ISO. GRO. BUS: NO	TOTAL AB: 6,030
LOCATION: ELEC ROOM 224	TYPE: SQUARE D NOOD	MINIMUM A.I.C. RATING: 14,000	FED FROM: MDP	TOTAL BB: 5,990
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 14,000	FED FROM: MDP	TOTAL CB: 5,556
LOAD (VA)	SERVICES	P/T CR NO. NO.	P/T CR NO. NO.	LOAD (VA)
A# B# C#				A# B# C#
1000	RECEPTACLES TELEPHONE TERM. BOARD	1/20	1/2	1600
600	RECEPTACLES ELEC. LIGHTING LOBBY 235	1/20	3/4	1600
1296	FAN COIL UNITS 35, 36 & 75	1/20	5/6	1600
1020	RECEPTACLES STORAGE 251	2/2	7/8	1600
800	RECEPTACLES CORRIDOR 243	2/20	9/10	1200
1530	FAN COIL UNITS 76, 77, & 81	1/20	13/14	1900
1530	SPARE	2/15	16/18	
		1/20	19/20	
		21/21	22/22	
		23/23	24/24	
		25/25	26/26	
		27/27	28/28	
		29/29	30/30	
		31/31	32/32	
		33/33	34/34	
		35/35	36/36	
		37/37	38/38	
		39/39	40/40	
		41/41	42/42	

PANELBOARD: HPW2	VOLTAGE: 208Y/120Y	BUS RATING: 225A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 16,296
2ND FLR WEST AND ELEC ROOM 237	TYPE: SQUARE D NOOD	EQUIP. GRO. BUS: YES	ISO. GRO. BUS: NO	TOTAL AB: 6,020
LOCATION: ELEC ROOM 237	TYPE: SQUARE D NOOD	MINIMUM A.I.C. RATING: 14,000	FED FROM: MDP	TOTAL CB: 6,650
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 14,000	FED FROM: MDP	TOTAL CB: 3,626
LOAD (VA)	SERVICES	P/T CR NO. NO.	P/T CR NO. NO.	LOAD (VA)
A# B# C#				A# B# C#
1000	RECEPTACLE TELEPHONE TERM. BOARD	1/20	1/2	1600
600	RECEPTACLE ELEC. LIGHTING LOBBY 207	1/20	3/4	1600
1296	RECEPTS STORAGE 218	1/20	5/6	1600
800	RECEPTS CORRIDOR 215	1/20	7/8	1900
	SPARE	1/20	9/10	
		1/20	11/12	
		1/20	13/14	
		1/20	15/16	
		1/20	17/18	
		1/20	19/20	
		21/21	22/22	
		23/23	24/24	
		25/25	26/26	
		27/27	28/28	
		29/29	30/30	
		31/31	32/32	
		33/33	34/34	
		35/35	36/36	
		37/37	38/38	
		39/39	40/40	
		41/41	42/42	

PANELBOARD: LC2A	VOLTAGE: 208Y/120Y	BUS RATING: 125A MCB	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 29,960
LOCATION: 2 BEDROOM ADA UNIT	TYPE: SQUARE D NO	EQUIP. GRO. BUS: YES	ISO. GRO. BUS: NO	TOTAL AB: 15,750
MOUNTING: FLUSH	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 10,000	FED FROM: PANEL ADP	TOTAL CB: 14,230
LOAD (VA)	SERVICES	P/T CR NO. NO.	P/T CR NO. NO.	LOAD (VA)
A# B# C#				A# B# C#
1200	RECEPTACLES BEDROOM *	1/20	1/2	1200
1000	WASHER	1/20	5/6	2800
1320	DISHWASHER	1/20	7/8	2800
2900	RANGE	2/9	10/2	1000
2900	REFRIGERATOR	2/11	12/2	1000
1000	FAN COIL UNIT	1/20	13/14	1200
510	1/2 HP/208V/1#	2/17	18/20	1000
1000	SPARE	2/19	20/22	1000
1000	SPARE	2/21	22/22	1000
1000	SPARE	2/23	24/24	1000

* PROVIDE ARC-FAULT TYPE CIRCUIT BREAKER.