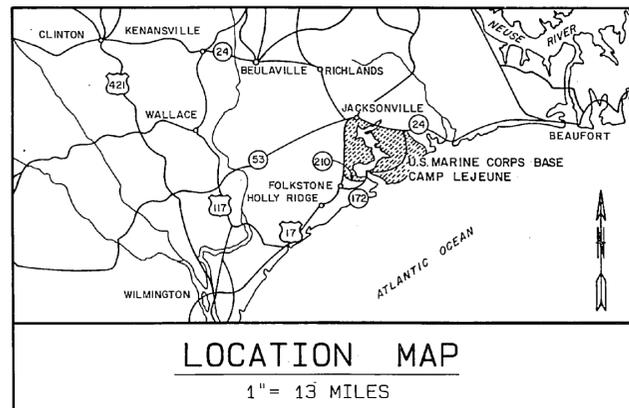
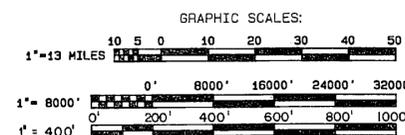
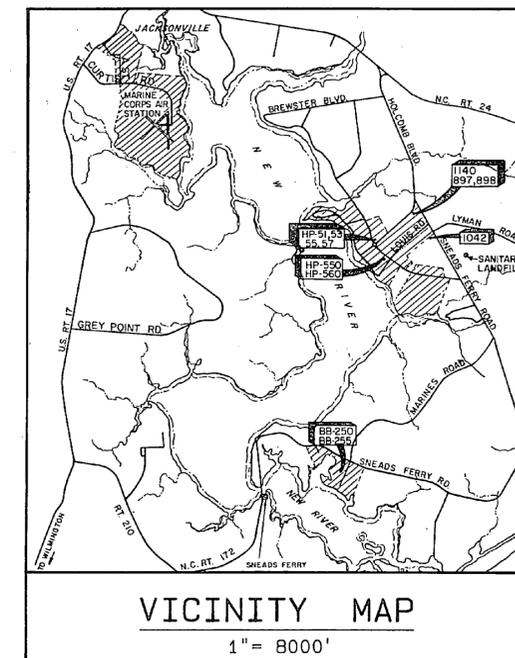
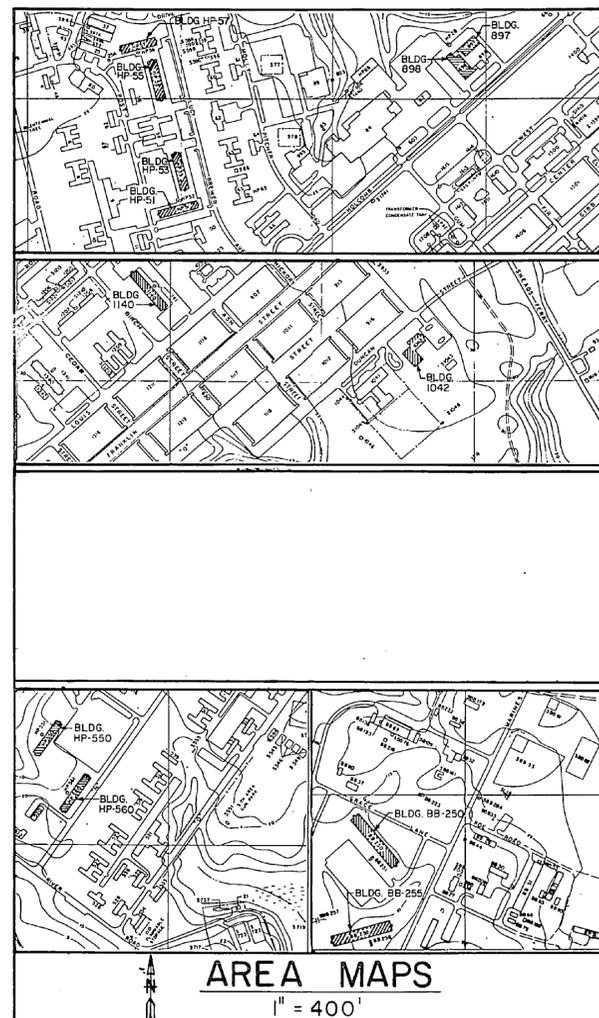


REVISIONS			
SYB.	DESCRIPTION	DATE	APPROVED

# DEHUMIDIFICATION HADNOT POINT - CHB MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA



SCHEDULE OF DRAWINGS		
DWG. NO.	NAVFAC DWS. NO.	SHEET TITLE
C-1	4160837	COVER SHEET
M-1	4160838	HVAC ROOF PLANS, BLDGS. HP-51, HP-53, HP-55, HP-57 & 1140
M-2	4160839	HVAC FLOOR PLAN, BLDG. 1042
M-3	4160840	HVAC 1ST. & 2ND. FLOOR PLANS, BLDG. 897
M-4	4160841	HVAC 1ST. & 2ND. FLOOR PLANS, BLDG. 898
M-5	4160842	HVAC ROOF PLANS, BLDGS. 897 & 898
M-6	4160843	HVAC DEMOLITION FLOOR PLANS, BLDGS. HP-550 & HP-560
M-7	4160844	HVAC NEW WORK FLOOR PLANS, BLDGS. HP-550 & HP-560
M-8	4160845	HVAC ROOF PLANS, BLDGS. HP-550 & HP-560
M-9	4160846	HVAC 1ST., 2ND. & 3RD. FLOOR PLANS, BLDGS. BB-250 & BB-255
M-10	4160847	HVAC ROOF PLANS, BLDGS. BB-250 & BB-255
M-11	4160848	HVAC DETAILS
E-1	4160849	ELECTRICAL FLOOR & ROOF PLANS, BLDGS. HP-51, HP-53, HP-55, HP-57 & 1140
E-2	4160850	ELECTRICAL FLOOR PLANS, BLDGS. 897, 898 & 1042
E-3	4160851	ELECTRICAL ROOF PLANS, BLDGS. BB-250, BB-255, HP-550 & HP-560



*Handwritten notes:*  
Hav...  
2-27-87

L. E. WOOTEN & COMPANY ENGINEERING - PLANNING ARCHITECTURE RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
DES. B.P. DR. B.J., B.P. CHK. H.P. SUBMITTED BY: DESIGN DIR. <i>[Signature]</i>		DEHUMIDIFICATION HADNOT POINT - CHB COVER SHEET	
APPROVED: PWD OR DDC <i>[Signature]</i>	DATE: 2-27-87	SIZE: F	CODE IDENT. NO.: 80091
SATISFACTORY TO:	DATE:	SCALE: NOTED	SPEC. 05-87-9895

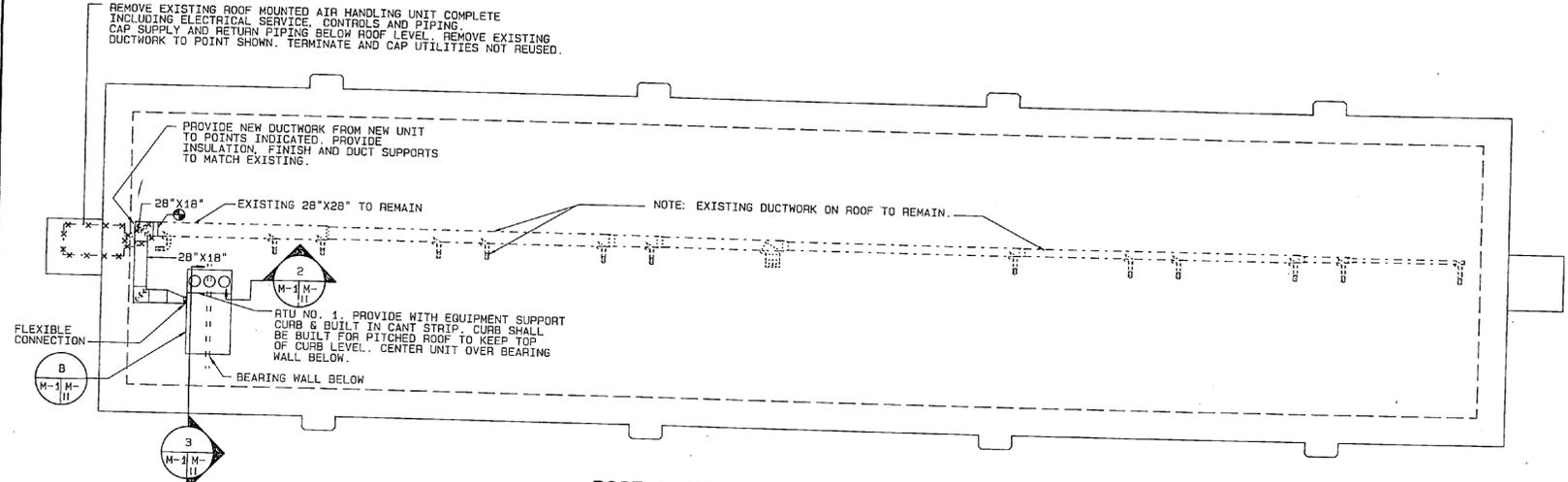
C-1

NAVAC DRAWING NO. 4160837  
CONST. CENTER NO. NC2470-07-9-9895  
SHEET 1 OF 15

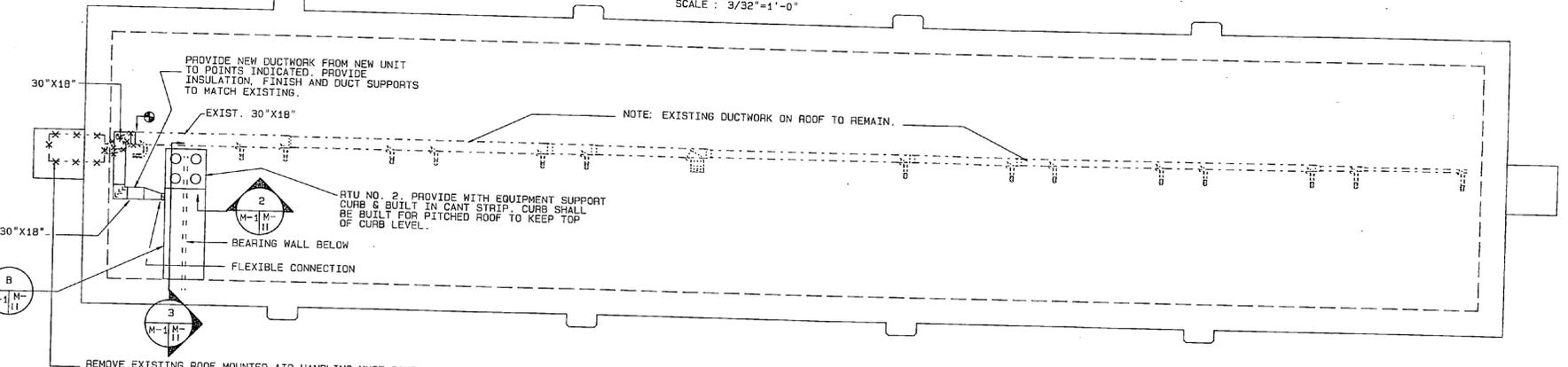


27 43415

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



ROOF PLAN - BLD'GS No. 51, 53, & 57  
SCALE: 3/32"=1'-0"

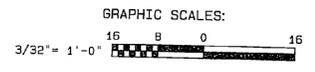
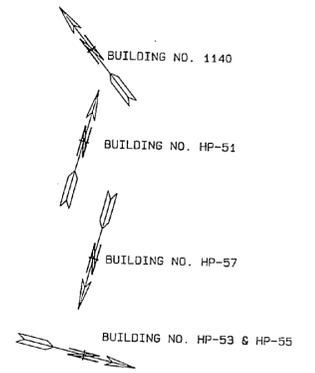


ROOF PLAN - BLD'GS No. 55 & 1140  
SCALE: 3/32"=1'-0"

NOTES (THIS SHEET)

- A. ⊕ INDICATES POINT OF NEW CONNECTION TO EXISTING
- B. \*\*\* INDICATES EXISTING TO BE REMOVED
- C. THE DRAWINGS DO NOT INDICATE ALL EXISTING WORK (EQUIPMENT AND MATERIALS). ONLY THAT WHICH TIES IN WITH THE WORK. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS WITH UTMOST CARE IN ORDER TO AVOID DAMAGING EXISTING WORK. ALL EXISTING WORK WHICH IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE GOVERNMENT. THIS WORK SHALL BE DONE AT NO ADDITIONAL EXPENSE TO THE GOVERNMENT.
- D. PROVIDE TEMPORARY PLYWOOD WALKWAYS FOR PROTECTION OF EXISTING ROOF, WHERE THE EXISTING ROOF IS DAMAGED OR PENETRATED BY INSTALLATION OF NEW WORK. THE CONTRACTOR SHALL EMPLOY A ROOF INSTALLER, TRAINED AND CERTIFIED BY THE MANUFACTURER OF THE ROOFING SYSTEM, TO MAKE NECESSARY REPAIRS TO ENSURE THAT ROOF WARRANTY IS NOT VOIDED.

SINGLE PACKAGE COOLING UNIT SCHEDULE																									
A.H.U. NO.	LOCATION	SERVING	C.F.M.			SUPPLY FAN			OUTDOOR FANS		COMPRESSOR		ELECT. SERVICE		COND. E.A.T.	EVAP. AIR	LVG. AIR TEMP. DEG. F.		B.T.U.H. COOLING CAPACITY			UNIT FILTERS		REMARKS	
			TOTAL	RETURN	O.A.	EXT. IN H2O	S.P.	H.P.	R.P.M.	NO.	F.L.A.	NO.	REFR.	K.W.	VOLTS	PHASE	DEG. F.	S.W.B.T. DEG. F.	DRY BULB	WET BULB	SENSIBLE	LATENT	TOTAL		TYPE
RTU-1	ROOF	BEQ'S	5100	-----	5100	1.0	2	700	3	5.2	1	R-22	37.4	208	3	90	79	55	54.5	195,000	246,000	441,000	THROW AWAY	25%	HP-51, HP-53 & HP-57
RTU-2	ROOF	BEQ'S	6000	-----	6000	1.0	2	700	4	5.2	1	R-22	44.8	208	3	90	79	55	54.5	230,800	292,600	523,400	THROW AWAY	25%	HP-55 & 1140

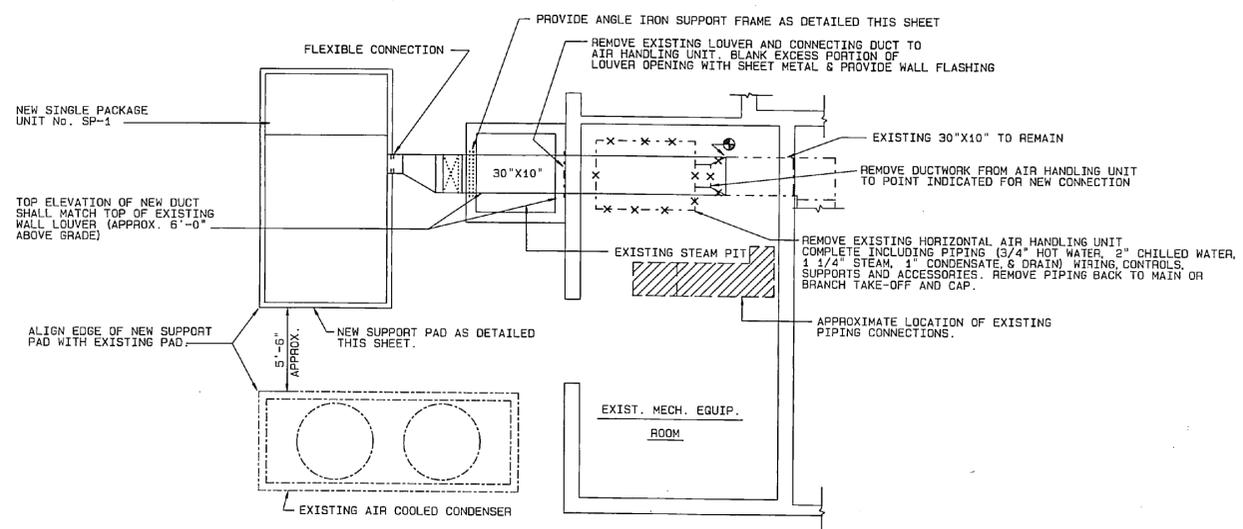


L. E. WOOTEN & COMPANY ENGINEERING - PLANNING - ARCHITECTURE RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEFUNE, NORTH CAROLINA	
DES. BP	DR. NP/BJ	<b>DEHUMIDIFICATION HADNOT POINT - CHB</b>	
CHK. HP	SUBMITTED BY: <i>HP</i>		
DESIGN DIR. <i>HP</i>	APPROVED: PWO OR CICC <i>HP</i> 2-27-87	SIZE: <b>F</b>	CODE IDENT. NO.: <b>80091</b>
SATISFACTORY TO: _____	DATE: _____	NAVAC DRAWING NO.: <b>4160838</b>	CONSTR. CONTR. NO. NG2470-87-B-9885
SCALE: NOTED		SPEC. 05-87-9885	SHEET 2 OF 15

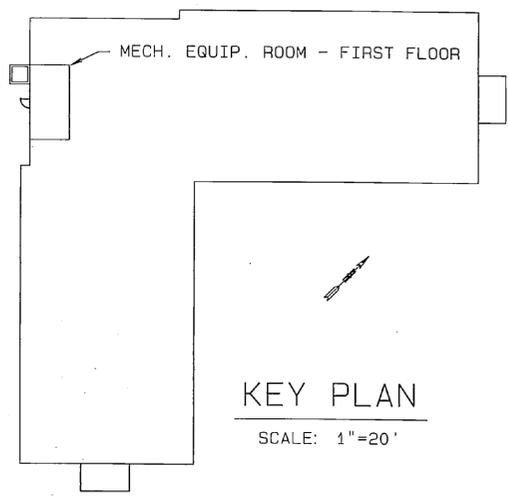
M-1



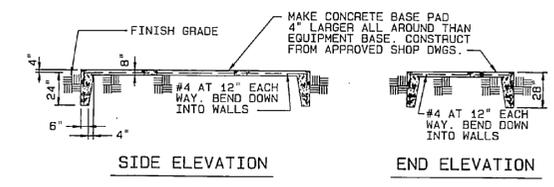
REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVER



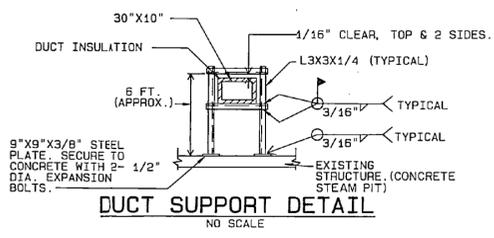
**ENLARGED MECH. EQUIP. ROOM PLAN**  
SCALE: 1/4"=1'-0"



**KEY PLAN**  
SCALE: 1"=20'



**EQUIPMENT SUPPORT PAD DETAIL**  
NO SCALE



**DUCT SUPPORT DETAIL**  
NO SCALE

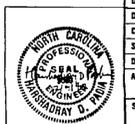
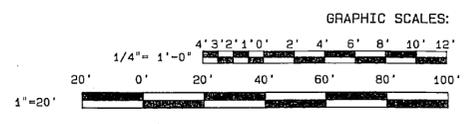
**LEGEND (THIS SHEET ONLY)**

- ⊕ INDICATES POINT OF CONNECTION BETWEEN NEW & EXISTING
- EXISTING TO REMAIN
- x-x-x- EXISTING TO BE REMOVED
- AHU AIR HANDLING UNIT
- SP SINGLE PACKAGE

**NOTES: (THIS SHEET ONLY)**

- A. THE DRAWINGS DO NOT INDICATE ALL EXISTING WORK (EQUIPMENT AND MATERIALS). ONLY THAT WHICH TIES IN WITH THE WORK. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS WITH UTMOST CARE IN ORDER TO AVOID DAMAGING EXISTING WORK. ALL EXISTING WORK WHICH IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE GOVERNMENT. THIS WORK SHALL BE DONE AT NO ADDITIONAL EXPENSE TO THE GOVERNMENT.
- B. ALL EXISTING FLOORS, WALLS, BASES AND CEILINGS DAMAGED OR AFFECTED BY INSTALLATION OF NEW WORK SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.

SINGLE PACKAGE COOLING UNIT SCHEDULE																										
A. H. U. NO.	LOCATION	SERVING	C. F. M.			SUPPLY FAN			OUTDOOR FANS			COMPRESSOR			ELECT. SERVICE		COND. E. A. T. DEG. F.	EVAP. AIR E. W. B. T. DEG. F.	LVG. AIR TEMP. DEG. F.		B. T. U. H. COOLING CAPACITY			UNIT FILTERS		REMARKS
			TOTAL	RETURN	O. A.	EXT. S. P. IN H2O	H. P.	R. P. M.	NO.	F. L. A.	NO.	REFR.	K. W.	VOLTS	PHASE	DRY BULB			WET BULB	SENSIBLE	LATENT	TOTAL	TYPE	EFF.		
SP-1	PAD MTD.	BEG'S	2420	-----	2420	.70	1	630	2	5.2	1	22	17.2	208	3	90	79	55	54.5	94,200	119,000	213,200	THROW AWAY	25%		



L. E. WOOTEN & COMPANY ENGINEERING - PLANNING - ARCHITECTURE RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
DES. BP		M-2	
DR. NP/BJ		DEHUMIDIFICATION	
CHK. HP		HADNOT POINT - CHB	
SUBMITTED BY: [Signature]		HVAC FLOOR PLAN, BLDG. 1042	
DESIGN DIR. [Signature]		NAVFAC DRAWING NO. 4160839	
APPROVED: PRO OR DDC [Signature]		DATE 10-27-81	
SATISFACTORY TO: [Signature]		DATE	
SIZE F	CODE IDENT. NO. 80091	CONSTR. CONTR. NO. N62470-87-B-9885	SHEET 3 OF 15

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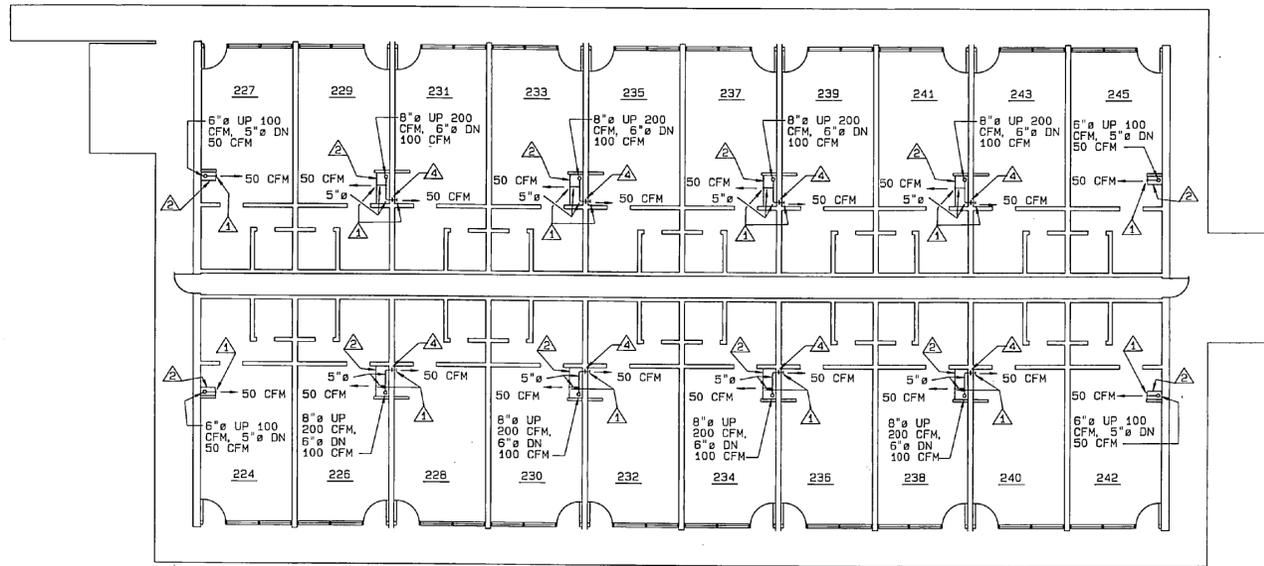
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8

9

10

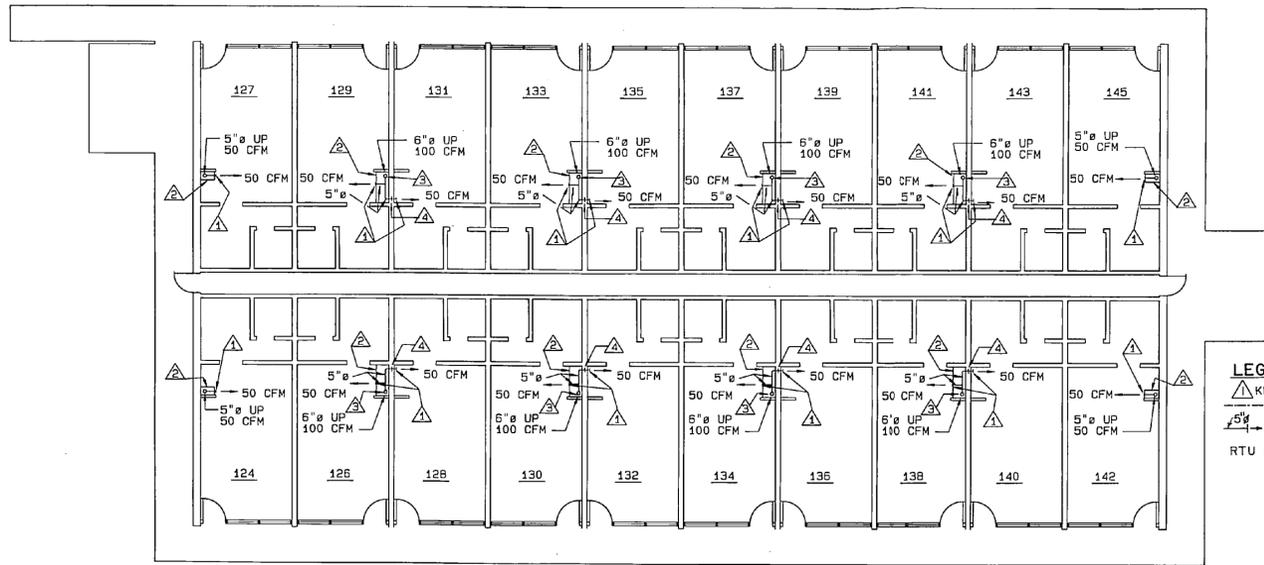
REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



2ND FLOOR PLAN BLD'G. NO. 897

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

NOTE: SEE SHEET NO. M-5 FOR ROOF PLAN.

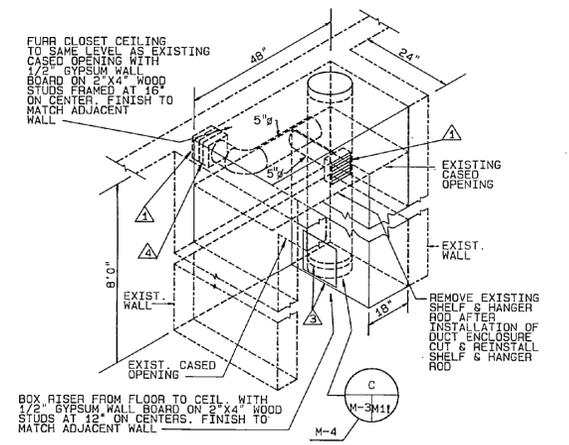


1ST FLOOR PLAN BLD'G. NO. 897

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

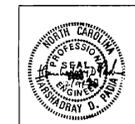
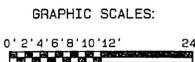
**LEGEND: (SHEET M-3, M-4 & M-5 ONLY)**  
 ▲ KEYED NOTE SYMBOL  
 --- EXISTING TO REMAIN  
 - - - NEW INSULATED DUCT, SIZE AS INDICATED  
 RTU ROOFTOP UNIT

- KEYED NOTES (THIS SHEET ONLY)**
- ▲ PROVIDE 6"x6" FIXED BLADE REGISTER WITH OPPOSED BLADE DAMPER
  - ▲ PROVIDE DUCT ENCLOSURE - SEE DETAIL
  - ▲ PROVIDE FIRE DAMPER WITH ACCESS DOOR ON DUCT AND DUCT ENCLOSURE
  - ▲ PROVIDE FIRE DAMPER. SEE DETAIL

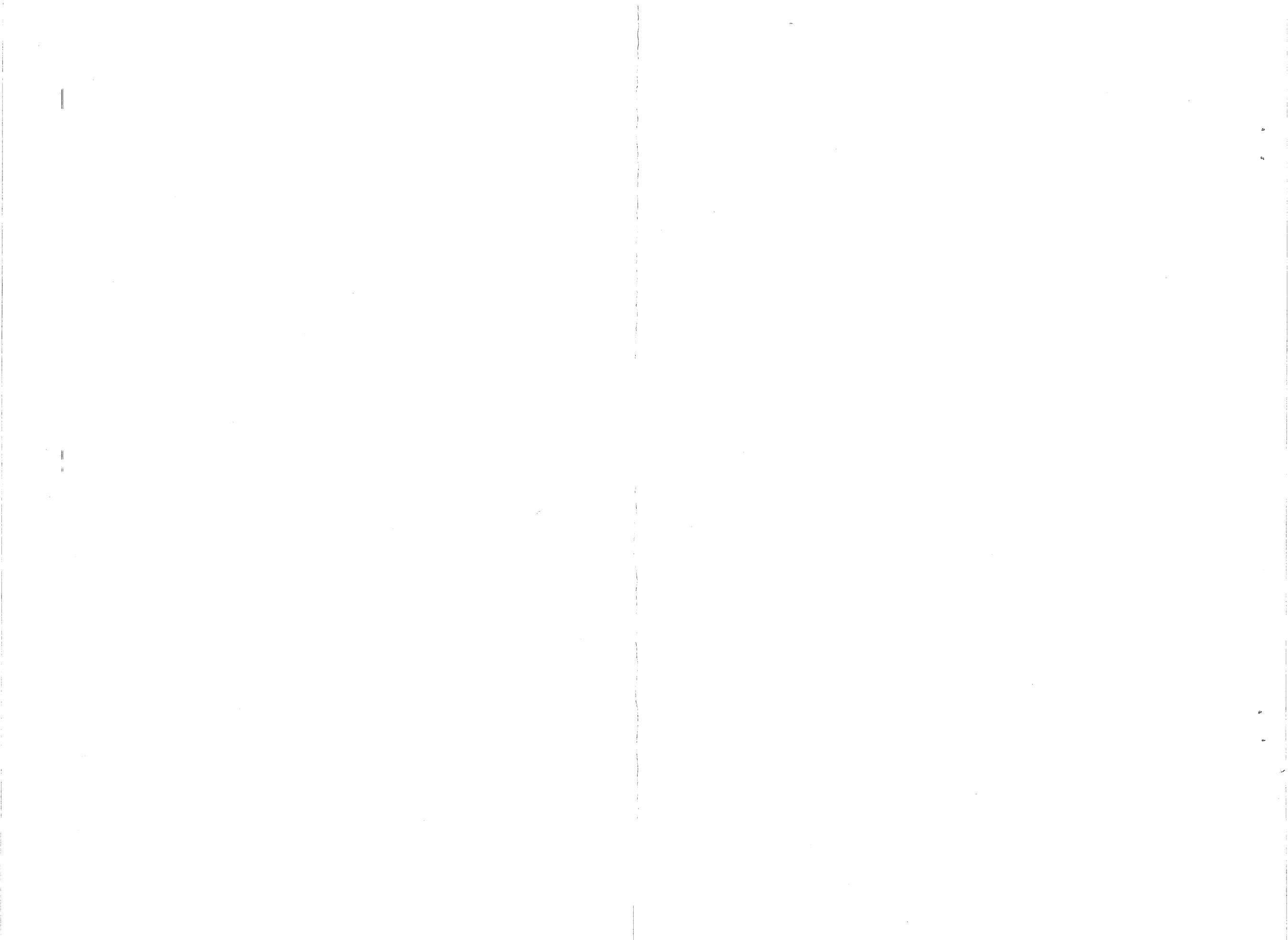


DUCT ENCLOSURE DETAIL  
NO SCALE

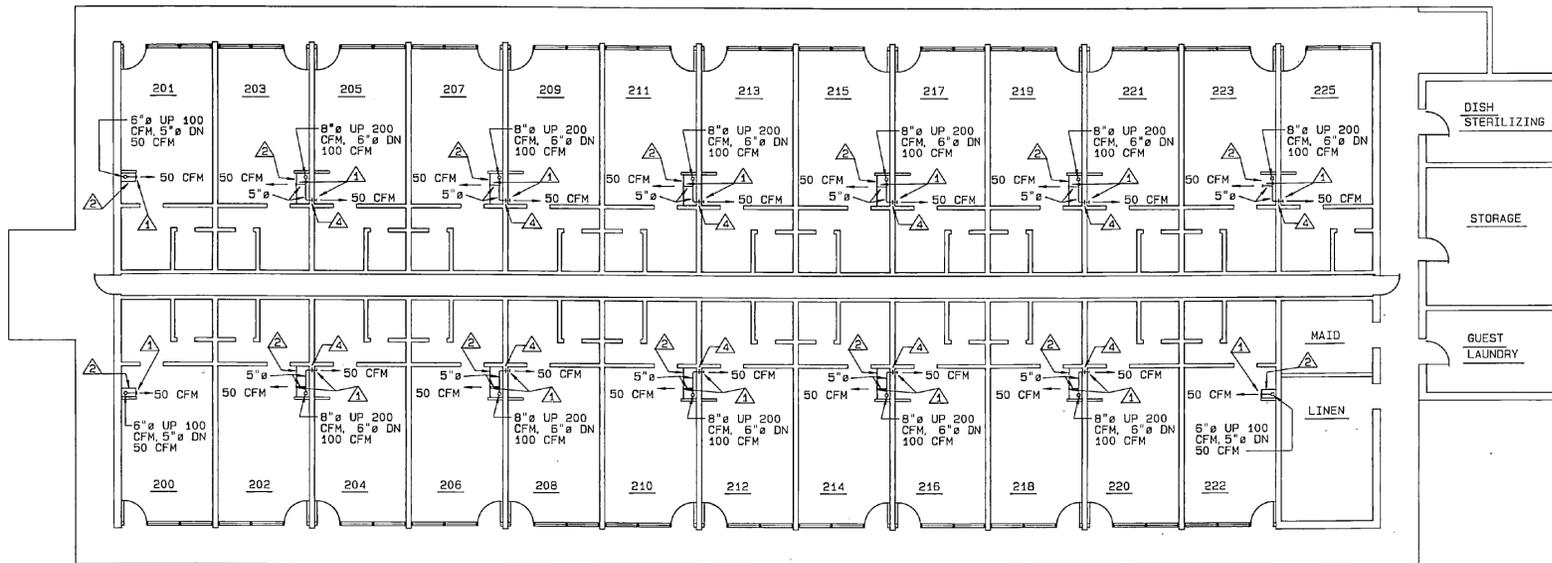
- NOTES: (THIS SHEET ONLY)**
- A. THE DRAWINGS DO NOT INDICATE ALL EXISTING WORK (EQUIPMENT AND MATERIALS), ONLY THAT WHICH TIES IN WITH THE WORK. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS WITH UTMOST CARE IN ORDER TO AVOID DAMAGING EXISTING WORK. ALL EXISTING WORK WHICH IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE GOVERNMENT. THIS WORK SHALL BE DONE AT NO ADDITIONAL EXPENSE TO THE GOVERNMENT.
  - B. ALL EXISTING FLOORS, WALLS, BASES AND CEILINGS DAMAGED OR AFFECTED BY INSTALLATION OF NEW WORK SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.



<b>M-3</b>	
L. E. WOOTEN & COMPANY ENGINEERING - PLANNING ARCHITECTURE RALEIGH, NORTH CAROLINA	
<b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
<b>DEHUMIDIFICATION</b> HADNOT POINT - CHB	
HVAC 1ST. & 2ND. FLOOR PLANS, BLDG. 897	
DESIGN DIR. <i>HP</i>	NAVAFAC DRAWING NO. 4160940
DR. NP/BJ	CODE IDENT. NO. 80091
CHK. HP	DATE 7-27-87
SUBMITTED BY: <i>HP</i>	DATE 7-27-87
DESIGN DIR. <i>HP</i>	DATE 7-27-87
APPROVER: PWD OR DIC	DATE 7-27-87
SATISFACTORY TO: <i>HP</i>	DATE 7-27-87
SCALE: NOTED	SPEC. 05-87-9885
	SHEET 4 OF 15



REVISIONS			
NO.	DESCRIPTION	DATE	APPROVER



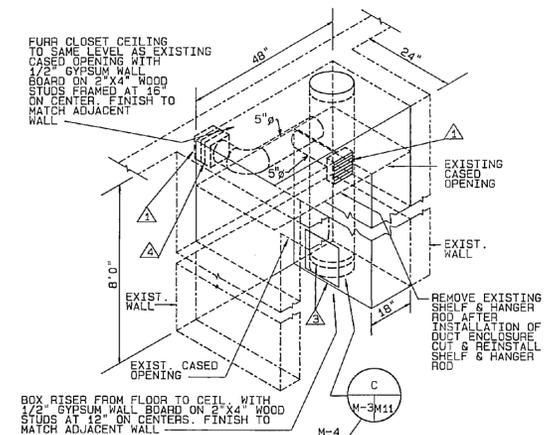
2ND FLOOR PLAN BLD'G NO. 898

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

NOTE: SEE SHEET NO. M-5 FOR ROOF PLAN.

KEYED NOTES (THIS SHEET ONLY)

- ▲ PROVIDE 6"x6" FIXED BLADE REGISTER WITH OPPOSED BLADE DAMPER
- ▲ PROVIDE DUCT ENCLOSURE - SEE DETAIL
- ▲ PROVIDE FIRE DAMPER WITH ACCESS DOOR IN DUCT AND DUCT ENCLOSURE
- ▲ PROVIDE FIRE DAMPER. SEE DETAIL

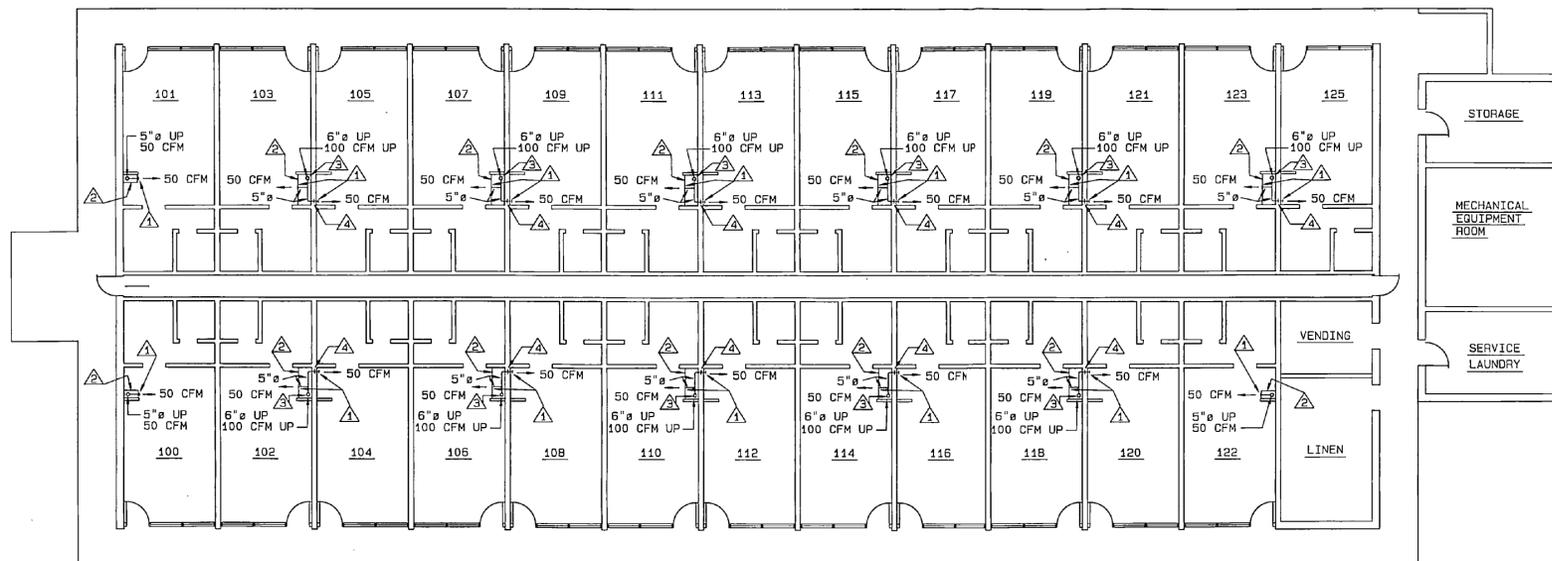


DUCT ENCLOSURE DETAIL

NO SCALE

NOTES: (THIS SHEET ONLY)

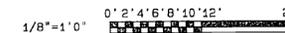
- A. THE DRAWINGS DO NOT INDICATE ALL EXISTING WORK (EQUIPMENT AND MATERIALS), ONLY THAT WHICH TIES IN WITH THE WORK. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS WITH UTMOST CARE IN ORDER TO AVOID DAMAGING EXISTING WORK. ALL EXISTING WORK WHICH IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE GOVERNMENT. THIS WORK SHALL BE DONE AT NO ADDITIONAL EXPENSE TO THE GOVERNMENT.
- B. ALL EXISTING FLOORS, WALLS, BASES AND CEILINGS DAMAGED OR AFFECTED BY INSTALLATION OF NEW WORK SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.



1ST FLOOR PLAN BLD'G NO. 898

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

GRAPHIC SCALES:



L. E. WOOTEN & COMPANY ENGINEERING - PLANNING - ARCHITECTURE RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA		<b>M-4</b>	
				<b>DEHUMIDIFICATION</b>	
DES. BP	DR. NP/BJ	SUBMITTED BY:		HVAC 1ST. & 2ND. FLOOR PLANS, BLDG. 898	
CHK. HP	DESIGN DIR. <i>TK</i>	APPROVED: PRO OR OICC	DATE: 2-27-87	SIZE: F	CODE IDENT. NO. 80091
SATISFACTORY TO:	DATE:	CONSTR. CONTR. NO. N22470-87-B-9885		SCALE: NOTED	SPEC. 05-87-9885
				SHEET 5 OF 15	



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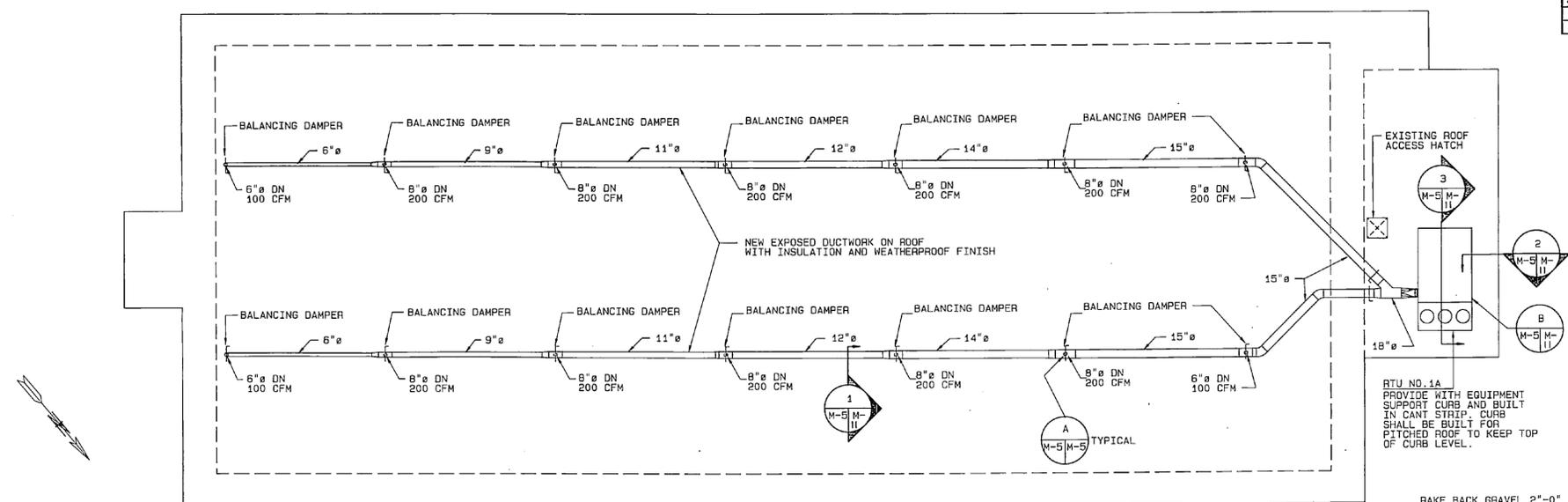
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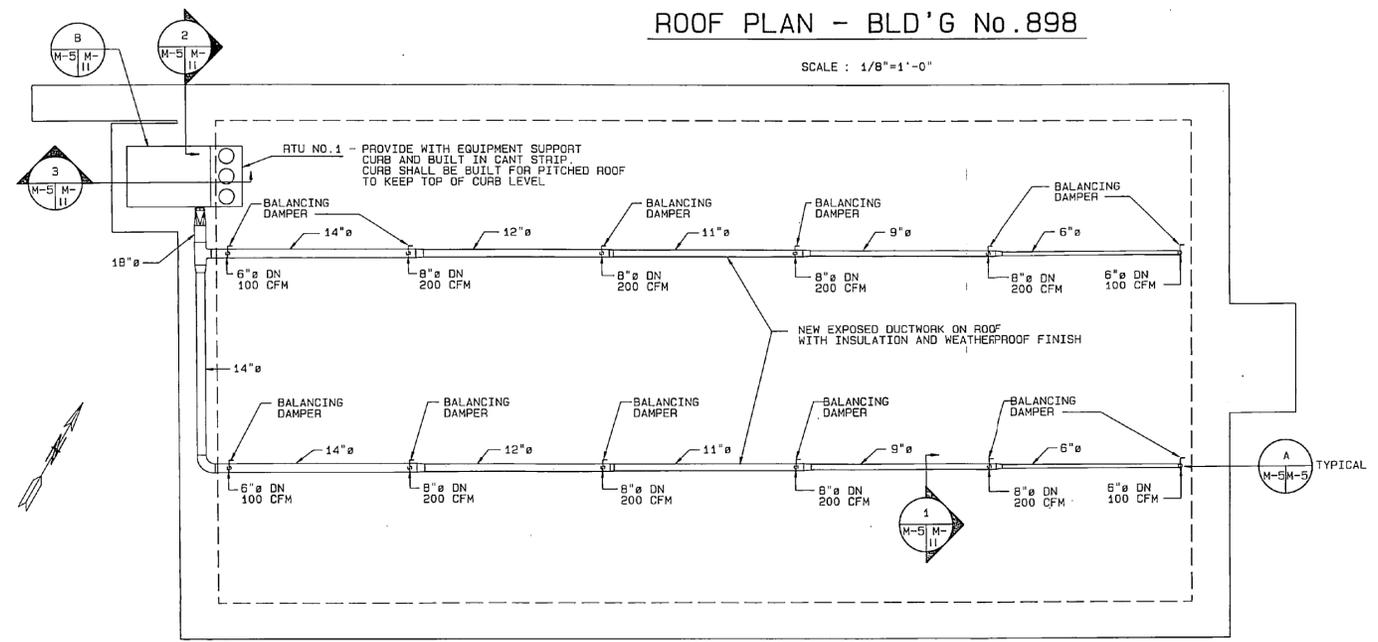
47 45815

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



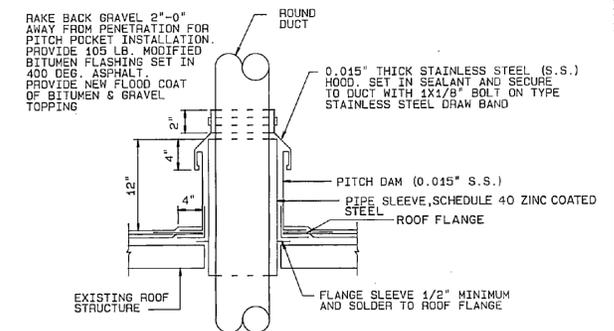
ROOF PLAN - BLD'G No. 898

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



ROOF PLAN - BLD'G No. 897

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



FLASHING OF ROUND DUCT THRU ROOF

NO SCALE

NOTES: (THIS SHEET ONLY)

- A. THE DRAWINGS DO NOT INDICATE ALL EXISTING WORK (EQUIPMENT AND MATERIALS). ONLY THAT WHICH TIES IN WITH THE WORK. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS WITH UTMOST CARE IN ORDER TO AVOID DAMAGING EXISTING WORK. ALL EXISTING WORK WHICH IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE GOVERNMENT. THIS WORK SHALL BE DONE AT NO ADDITIONAL EXPENSE TO THE GOVERNMENT.
- B. ALL EXISTING FLOORS, WALLS, BASES AND CEILINGS DAMAGED OR AFFECTED BY INSTALLATION OF NEW WORK SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.
- C. PROVIDE TEMPORARY PLYWOOD WALKWAYS FOR PROTECTION OF EXISTING ROOF, WHERE THE EXISTING ROOF IS DAMAGE OR PENETRATED BY INSTALLATION OF NEW WORK. THE CONTRACTOR SHALL EMPLOY A ROOF INSTALLER, TRAINED AND CERTIFIED BY THE MANUFACTURER OF THE ROOFING SYSTEM, TO MAKE NECESSARY REPAIRS TO ENSURE THAT ROOF WARRANTY IS NOT VOIDED.

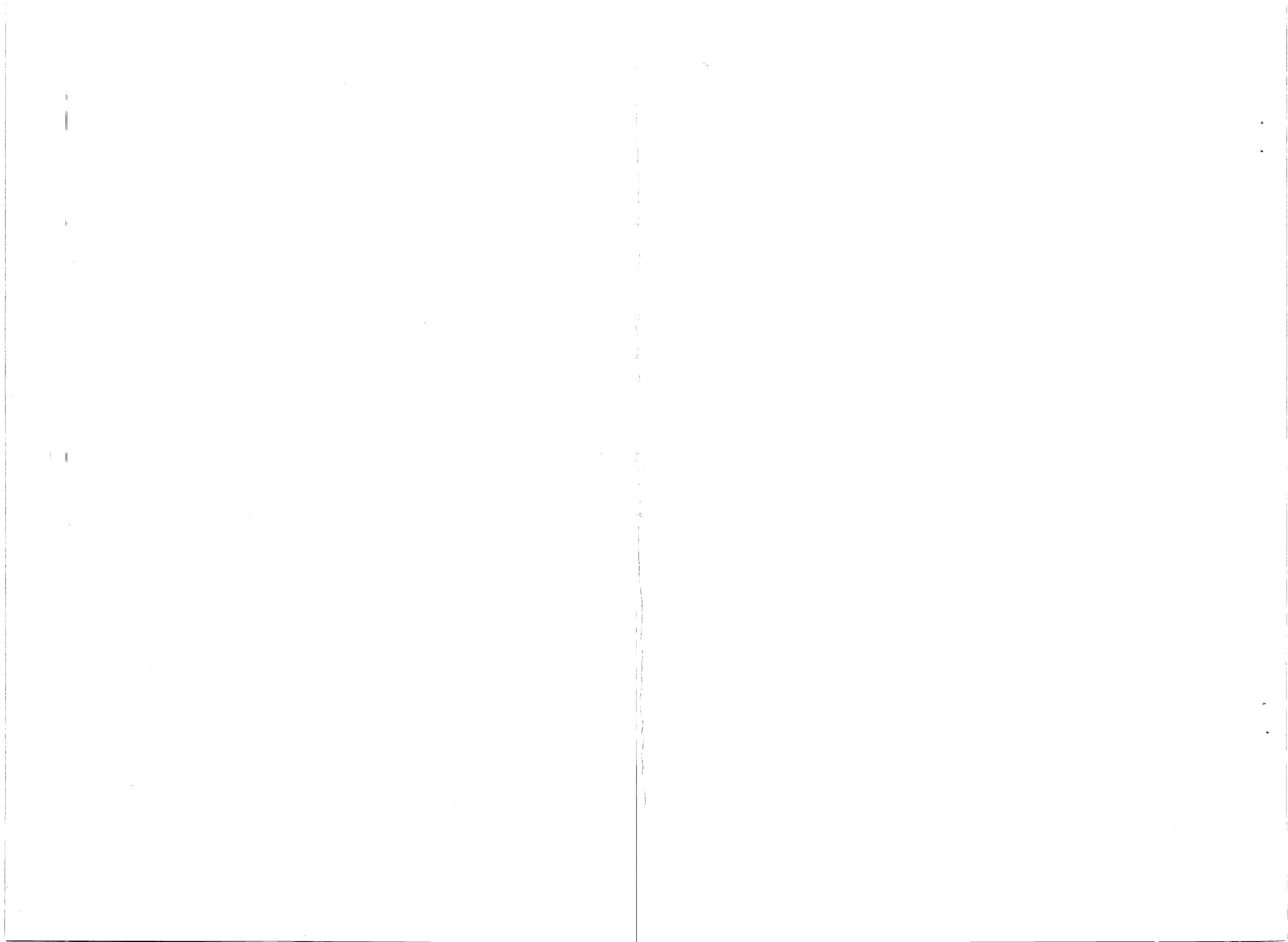
SINGLE PACKAGE COOLING UNIT SCHEDULE

A.H.U. NO.	LOCATION	SERVING	C.F.M.			SUPPLY FAN			OUTDOOR FANS		COMPRESSOR		ELECT. SERVICE		COND. E.A.T. DEG. F.	EVAP. AIR E.W.B.T. DEG. F.	LVG. AIR TEMP. DEG. F.		B.T.U.H. COOLING CAPACITY			UNIT FILTERS		REMARKS	
			TOTAL	RETURN	O.A.	EXT. S.P. IN H2O	H.P.	R.P.M.	NO.	F.L.A.	NO.	REFR.	K.W.	VOLTS			PHASE	DRY BULB	WET BULB	SENSIBLE	LATENT	TOTAL	TYPE		EFF.
RTU-1	897 ROOF	GUEST ROOMS	2000	-----	2000	.75	3/4	500	2	5.2	1	R-22	16.7	208	3	90	79	55	54.5	85,900	111,100	198,000	THROW AWAY	25%	
RTU-1A	898 ROOF	GUEST ROOMS	2500	-----	2500	.80	1	635	2	5.2	1	R-22	17.3	208	3	90	79	55	54.5	95,800	122,200	218,000	THROW AWAY	25%	

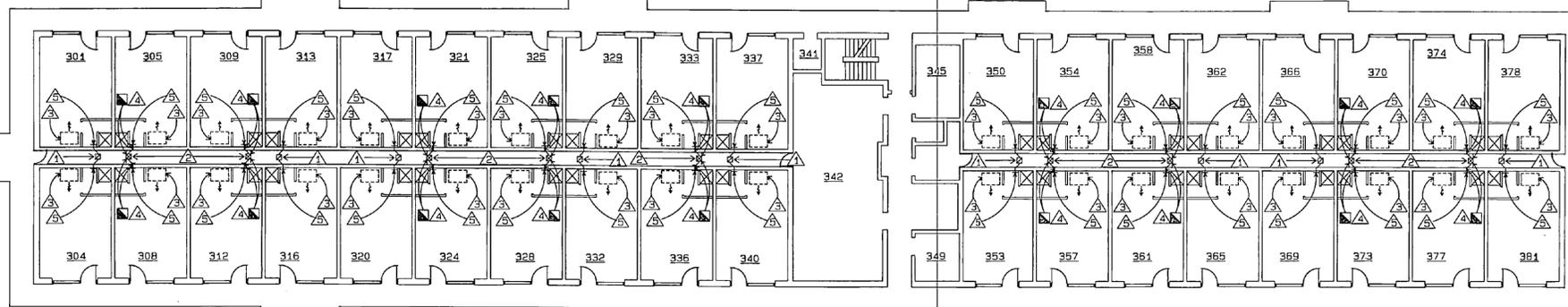
GRAPHIC SCALES:  
0' 2' 4' 6' 8' 10' 12' 24'  
1/8"=1'-0"



M-5	
L. E. WOOTEN & COMPANY ENGINEERING - PLANNING ARCHITECTURE RALEIGH, NORTH CAROLINA	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
<b>DEHUMIDIFICATION HADNOT POINT - CHB</b>	
DES. BP DR. NP/BJ CHK. HP SUBMITTED BY: [Signature] DESIGN DIR. [Signature]	HVAC ROOF PLANS, BLDG. 897 & 898
APPROVED: PWS OR DICC [Signature]	DATE: 2-27-87
SATISFACTORY TO: [Signature]	DATE: [Signature]
SIZE: F CODE IDENT. NO.: 80091	NAVY DRAWING NO.: 4160842 CONSTR. CONTR. NO. N62470-87-B-9885
SCALE: NOTED	SPEC. 05-87-9885 SHEET 6 OF 15

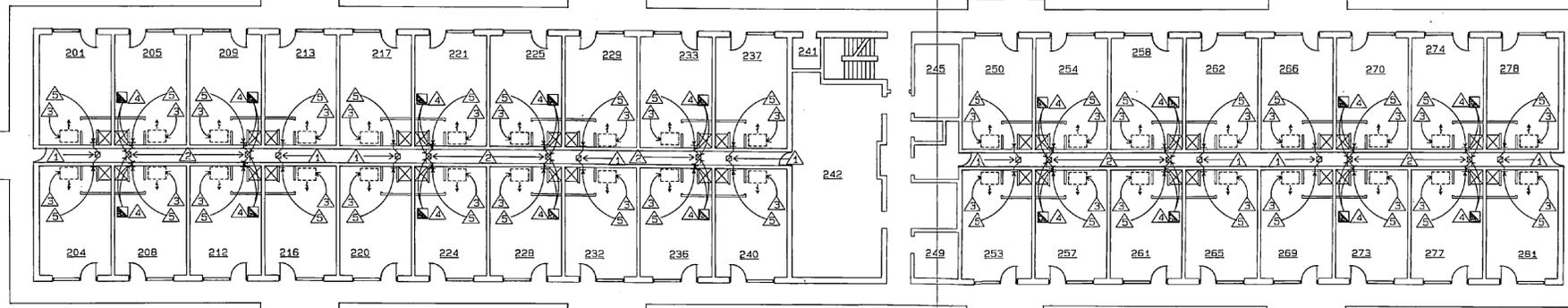


REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVED



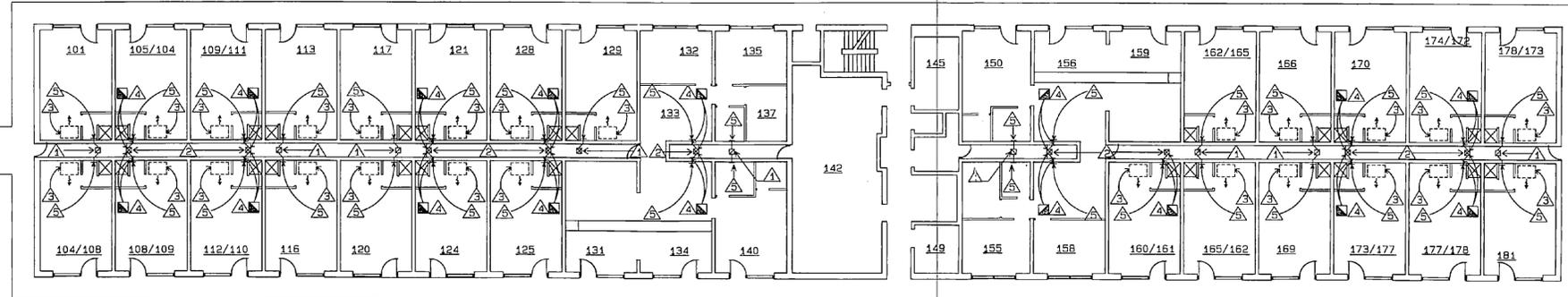
THIRD FLOOR PLAN (DEMOLITION)

3/32"=1'-0"



SECOND FLOOR PLAN (DEMOLITION)

3/32"=1'-0"



BUILDING NO. HP-550 & HP-560  
FIRST FLOOR PLAN (DEMOLITION)

3/32"=1'-0"

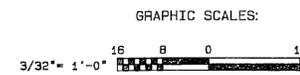
- KEYED NOTES: (THIS SHEET ONLY)
- ▲ EXISTING TOILET EXHAUST DUCT RISER TO REMAIN.
  - ▲ EXISTING TOILET EXHAUST DUCT TO BE CONVERTED INTO OUTSIDE AIR SUPPLY DUCT.
  - ▲ EXISTING FAN COIL UNIT TO REMAIN.
  - ▲ REMOVE EXISTING 4" DIAMETER EXHAUST DUCT.
  - ▲ EXISTING TOILET EXHAUST FAN TO REMAIN.

LEGEND: (SHEETS M-6, M-7 & M-8 ONLY)

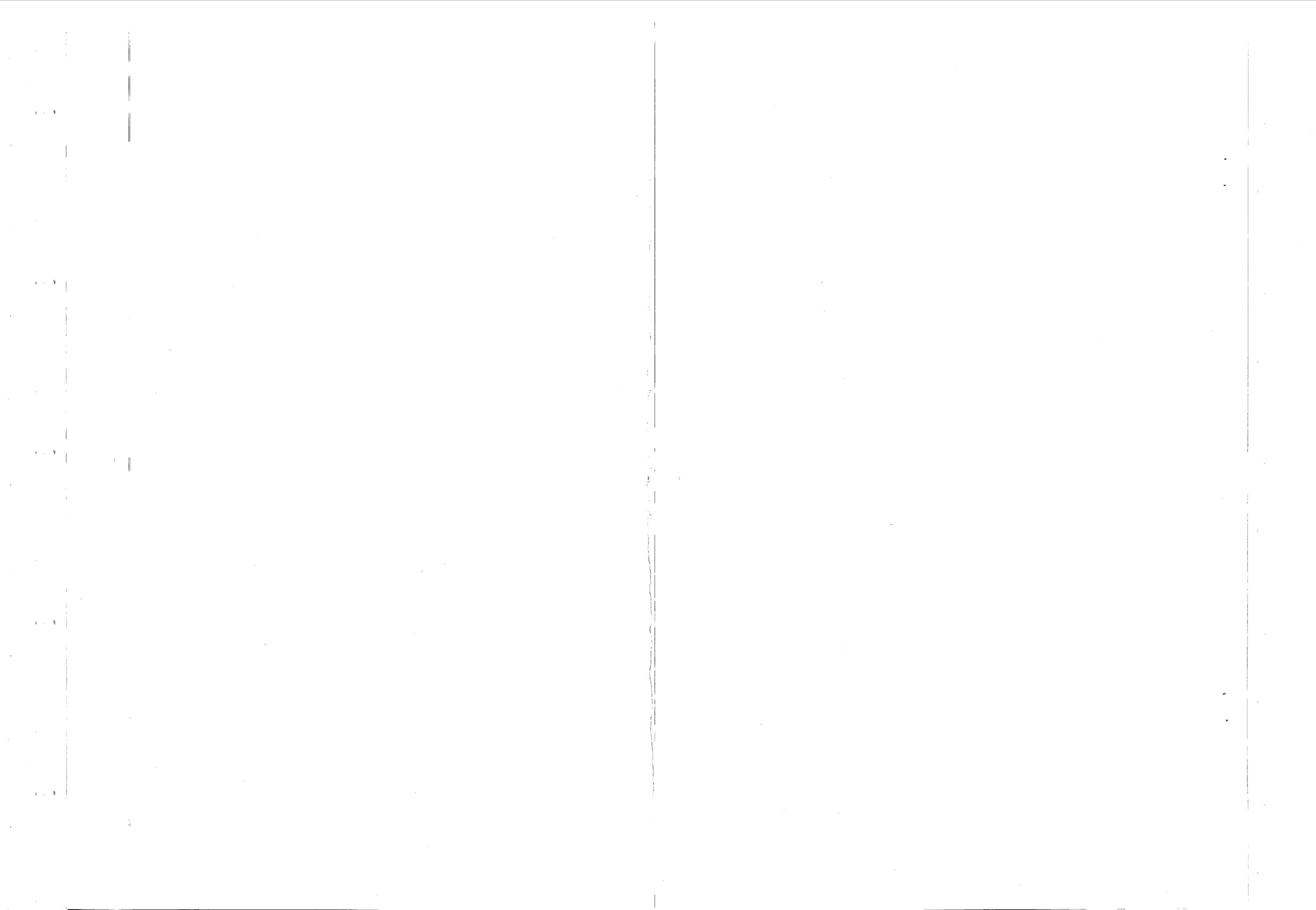
- EXISTING FAN COIL UNIT
- ▲ EXISTING TOILET EXHAUST RISER
- ⊗ EXISTING DUCT RISER CONVERTED TO OUTSIDE AIR SUPPLY DUCT
- ▲ KEYED NOTE SYMBOL
- ⊕ POINT OF NEW CONNECTION TO EXISTING
- ⊖ TERMINATION POINT OF DEMOLITION
- NEW SINGLE PACKAGE COOLING UNIT (RTU)
- NEW INSULATED DUCT
- NEW DUCT & REGISTER W/OPOSED BLADE DAMPER

NOTES: (THIS SHEET ONLY)

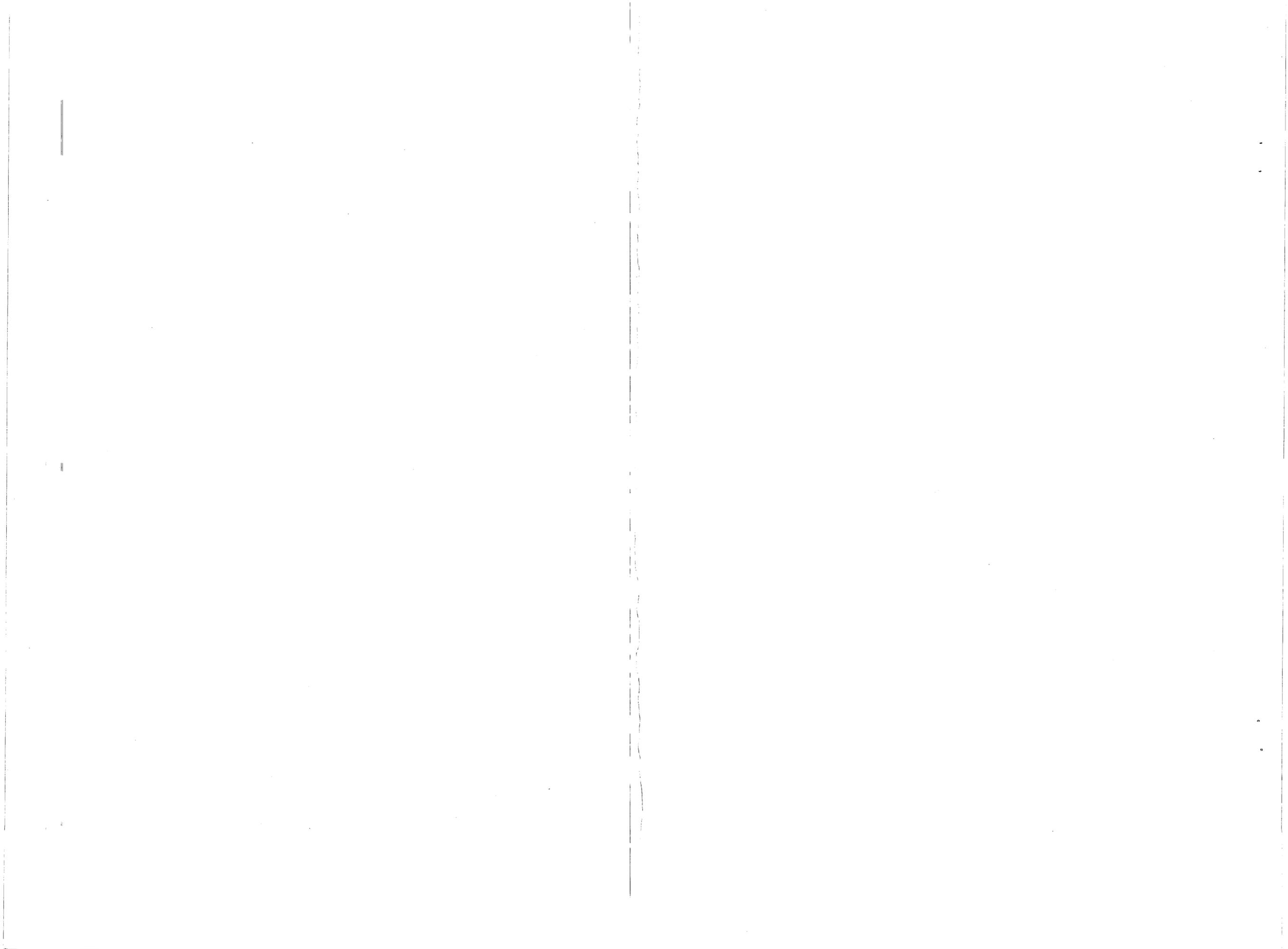
- Ⓐ WHERE TWO ROOM NUMBERS APPEAR IN THE SAME ROOM, THE FIRST NUMBER IS FOR BUILDING HP-550, THE SECOND IS FOR BUILDING HP-560.
- EXAMPLE: 160/164 BLDG. HP-550  
                  160/164 BLDG. HP-560
- Ⓑ THE DRAWINGS DO NOT INDICATE ALL EXISTING WORK (EQUIPMENT AND MATERIALS), ONLY THAT WHICH TIES IN WITH THE WORK. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS WITH UTMOST CARE IN ORDER TO AVOID DAMAGING EXISTING WORK. ALL EXISTING WORK WHICH IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE GOVERNMENT. THIS WORK SHALL BE DONE AT NO ADDITIONAL EXPENSE TO THE GOVERNMENT.



M-6	
L. E. WOOTEN & COMPANY ENGINEERING - PLANNING - ARCHITECTURE RALEIGH, NORTH CAROLINA	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
<b>DEHUMIDIFICATION HADNOT POINT - CHB</b>	
HVAC DEMOLITION FLOOR PLANS, BLDG. HP-550 & HP-560	
DESIGNER: BP	DATE: 2-27-87
DR. NP/BJ	SIZE: F
CHK. HP	CODE IDENT. NO. 80091
SUBMITTED BY: <i>HP</i>	NAVAC DRAWING NO. 4160843
DESIGN DIR. <i>HP</i>	CONSTR. CONTR. NO. N62470-87-B-9885
APPROVED: PWO DR DIC	SCALE: NOTED
SATISFACTORY TO: <i>HP</i>	SPEC. 05-87-3685
	SHEET 7 OF 15





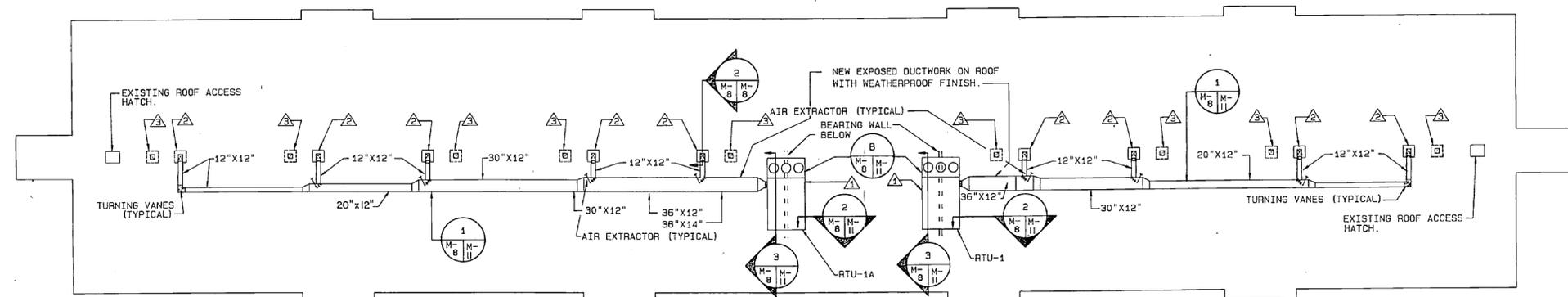


47 45473

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED

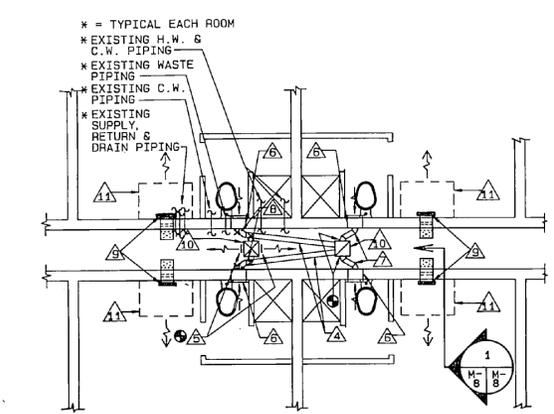
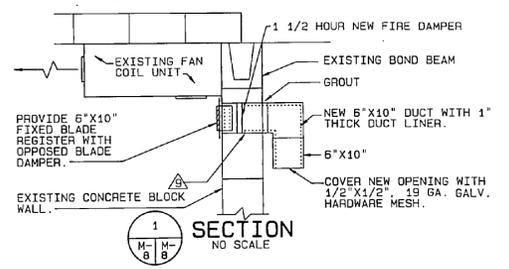
### SINGLE PACKAGE COOLING UNIT SCHEDULE

A.H.U. NO.	LOCATION	SERVING	C.F.M.			SUPPLY FAN			OUTDOOR FANS		COMPRESSOR		ELECT. SERVICE		COND. E.A.T. DEG. F.	EVAP. AIR E.M.B.T. DEG. F.	LVG. AIR TEMP. DEG. F.		B.T.U.H. COOLING CAPACITY			UNIT FILTERS		REMARKS	
			TOTAL	RETURN	O.A.	EXT. IN H2O	S.P.	H.P.	R.P.M.	NO.	F.L.A.	NO.	REFR.	K.W.			VOLTS	PHASE	DRY BULB	WET BULB	SENSIBLE	LATENT	TOTAL		TYPE
RTU-1	ROOF	BEG'S	3600	-----	3600	.5	1 1/2	680	2	5.2	1	R-22	25.9	208	3	90	79	55	54.5	134,000	176,000	310,000	THROW AWAY	25%	
RTU-1A	ROOF	BEG'S	4520	-----	4520	.6	2	700	3	5.2	1	R-22	33.4	208	3	90	79	55	54.5	170,800	223,400	394,200	THROW AWAY	25%	

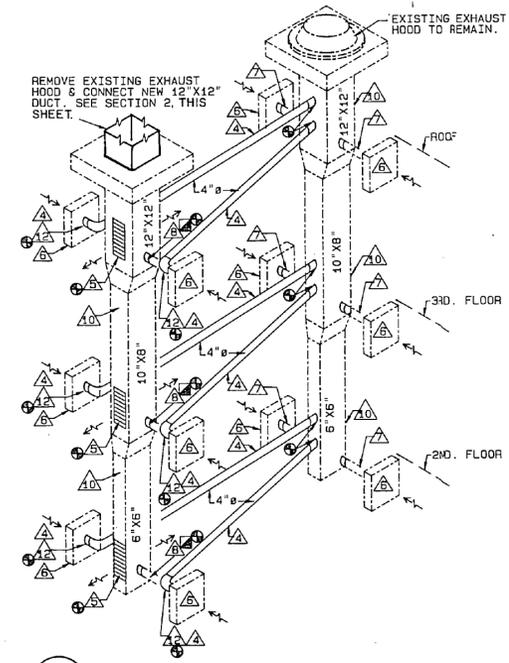


### ROOF PLAN BUILDING NO. HP-550 & HP-560 (NEW WORK)

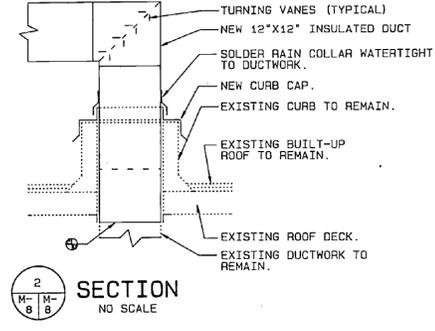
SCALE: 3/32"=1'-0"



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



DUCT WORK SCHEMATIC  
NO SCALE

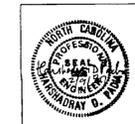
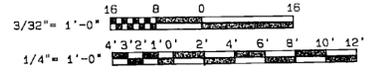


#### NOTES: (THIS SHEET ONLY)

- A. THE DRAWINGS DO NOT INDICATE ALL EXISTING WORK (EQUIPMENT AND MATERIALS), ONLY THAT WHICH TIES IN WITH THE WORK. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS WITH UTMOST CARE IN ORDER TO AVOID DAMAGING EXISTING WORK. ALL EXISTING WORK WHICH IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE GOVERNMENT. THIS WORK SHALL BE DONE AT NO ADDITIONAL EXPENSE TO THE GOVERNMENT.
- B. ALL EXISTING FLOORS, WALLS, BASES AND CEILINGS DAMAGED OR AFFECTED BY INSTALLATION OF NEW WORK SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.
- C. PROVIDE TEMPORARY PLYWOOD WALKWAYS FOR PROTECTION OF EXISTING ROOF WHERE THE EXISTING ROOF IS DAMAGED OR PENETRATED BY INSTALLATION OF NEW WORK. THE CONTRACTOR SHALL EMPLOY A ROOF INSTALLER, TRAINED AND CERTIFIED BY THE MANUFACTURER OF THE ROOFING SYSTEM, TO MAKE NECESSARY REPAIRS TO ENSURE THAT ROOF WARRANTY IS NOT VOIDED.

- KEYED NOTES: (THIS SHEET ONLY)
- ▲ PROVIDE NEW ROOF TOP UNIT WITH EQUIPMENT SUPPORT CURB AND BUILT IN GANT STRIP. CURB SHALL BE BUILT FOR PITCHED ROOF TO KEEP TOP OF CURB LEVEL. CENTER UNIT OVER BEARING WALL BELOW.
  - ▲ REMOVE EXISTING EXHAUST HOOD AND PROVIDE NEW 12" X 12" DUCT CONNECTION TO EXISTING EXHAUST DUCT. PROVIDE NEW CURB CAP AND RAIN COLLAR.
  - ▲ EXISTING TOILET EXHAUST HOOD TO REMAIN.
  - ▲ PROVIDE NEW 4" DIAMETER FLEXIBLE DUCT.
  - ▲ PROVIDE NEW 6" X 12" SUPPLY AIR REGISTER WITH OPPOSED BLADE DAMPER, TYPICAL BOTH SIDES, 150 CFM EACH.
  - ▲ EXISTING TOILET EXHAUST FAN TO REMAIN, 65 CFM.
  - ▲ EXISTING 4" DIAMETER EXHAUST DUCT TO REMAIN.
  - ▲ REMOVE EXISTING 4" DIAMETER DUCT. PROVIDE NEW 4" DIAMETER CAP OVER EXISTING OPENING. SEAL AIRTIGHT, TYPICAL BOTH SIDES.
  - ▲ PROVIDE NEW OPENING THRU WALL FOR 10" X 6" DUCT AND PROVIDE 10" X 6" REGISTER WITH OPPOSED BLADE DAMPER ON ROOM SIDE OF WALL. PROVIDE 1 1/2 HOUR FIRE DAMPER IN DUCT. SEE SECTION 1, THIS SHEET.
  - ▲ EXISTING DUCTWORK TO REMAIN.
  - ▲ EXISTING FAN COIL UNIT TO REMAIN.
  - ▲ REMOVE EXISTING 4" DIAMETER EXHAUST DUCT.

#### GRAPHIC SCALES:

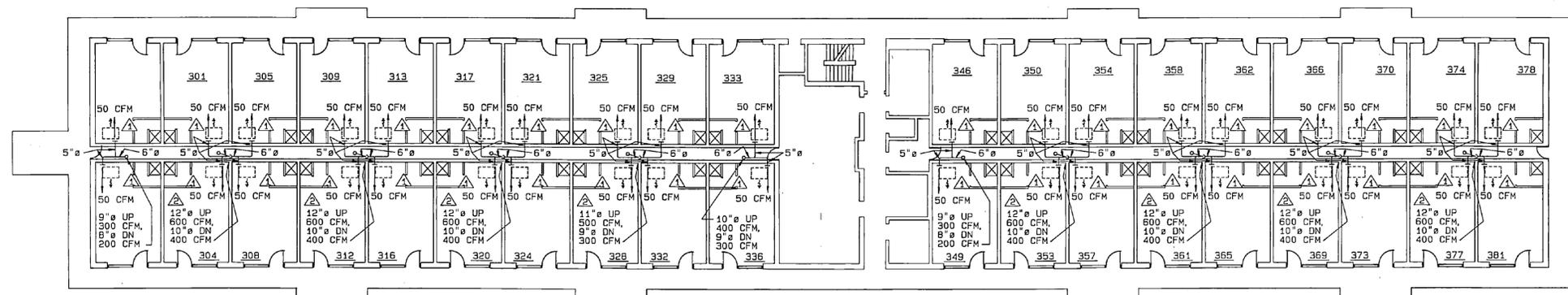


M-8	
L. E. WOOTEN & COMPANY ENGINEERING - PLANNING - ARCHITECTURE RALEIGH, NORTH CAROLINA	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
<b>DEHUMIDIFICATION</b> <b>HADNOT POINT - CHB</b>	
HVAC ROOF PLANS, BLDGS. HP-550 & HP-560	
DES. BP	NAVY DRAWING NO. 4160845
DR. NP/BJ	CONTR. CONTR. NO. NS2470-87-B-9885
CHK. HP	SCALE: DRAWER SPEC. 05-87-9885 SHEET 9 OF 15
SUBMITTED BY: [Signature]	
REVISION D.T. [Signature]	
APPROVED: P.W. OR DIC [Signature]	
SATISFACTORY TO: [Signature]	



47 43475

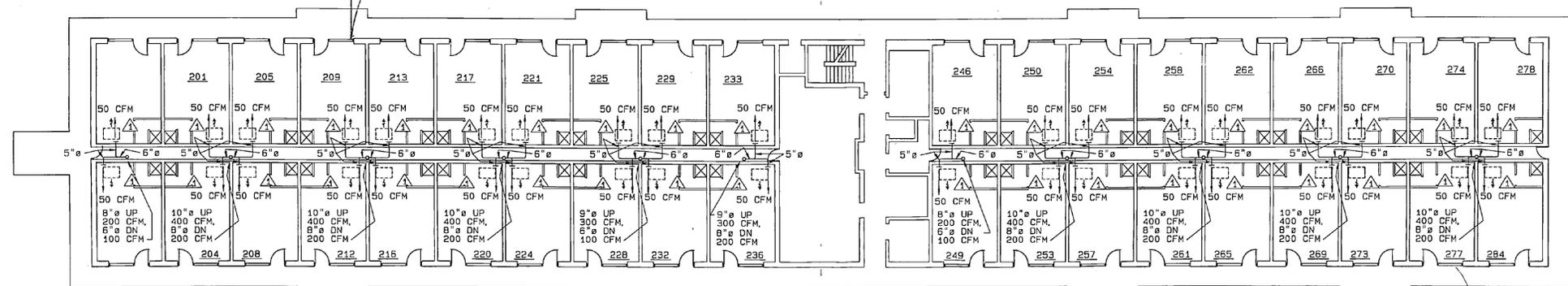
REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



**THIRD FLOOR PLAN**  
SCALE: 3/32"=1'-0"

**KEYED NOTES (THIS SHEET ONLY)**

- △ PROVIDE NEW OPENING THRU EXISTING WALL AND 5"x6" SIDEMALL REGISTER WITH OPPOSED BLADE DAMPER
- △ PROVIDE OFFSET UP THRU ROOF TO AVOID BEAM.



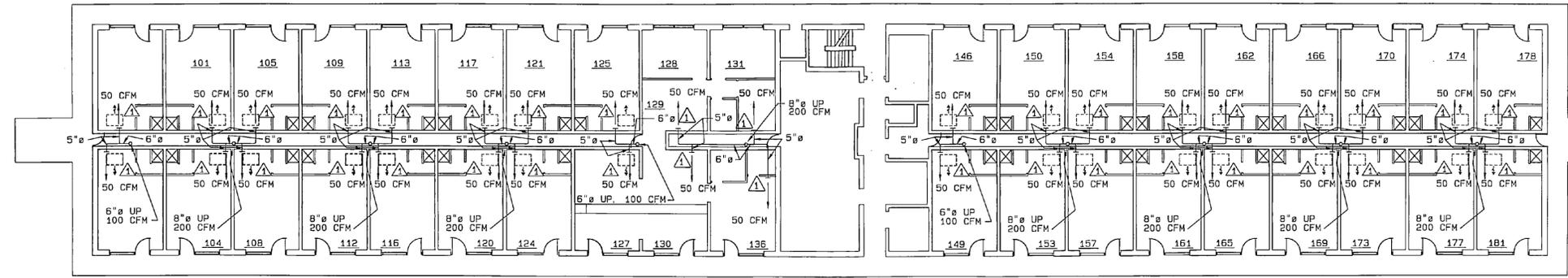
**SECOND FLOOR PLAN**  
SCALE: 3/32"=1'-0"

*48" wide 315*

*14 3/4*

**LEGEND: (SHEET M-9 & M-10 ONLY)**

- ⊞ EXISTING FAN COIL UNIT TO REMAIN
- △ KEYED NOTE SYMBOL
- NEW INSULATED DUCT, SIZE AS INDICATED



**FIRST FLOOR PLAN**  
SCALE: 3/32"=1'-0"

*3 1/4 = 1/6*

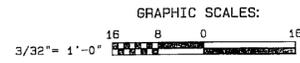
**NOTES: (THIS SHEET ONLY)**

A. THE DRAWINGS DO NOT INDICATE ALL EXISTING WORK (EQUIPMENT AND MATERIALS). ONLY THAT WHICH TIES IN WITH THE WORK. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS WITH UTMOST CARE IN ORDER TO AVOID DAMAGING EXISTING WORK. ALL EXISTING WORK WHICH IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE GOVERNMENT. THIS WORK SHALL BE DONE AT NO ADDITIONAL EXPENSE TO THE GOVERNMENT.

B. ALL EXISTING FLOORS, WALLS, BASES AND CEILINGS DAMAGED OR AFFECTED BY INSTALLATION OF NEW WORK SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.



BUILDING NOS. BB250 & BB255



<b>M-9</b>	
L. E. WOOTEN & COMPANY ENGINEERING - PLANNING - ARCHITECTURE RALEIGH, NORTH CAROLINA	
<b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
<b>DEHUMIDIFICATION</b> <b>HADNOT POINT - CHB</b>	
HVAC 1ST, 2ND, & 3RD FLOOR PLANS, BLDGs. BB-250 & BB-255	
DES. BP	SIZE CODE TYP. NO.
DR. NP/BJ	<b>F 80091</b>
CHK. HP	MANUF. DRAWING NO.
SUBMITTED BY: <i>mc</i>	<b>4150846</b>
DESIGN DIR. <i>mc</i>	CONSTR. CONTR. NO. NSC-70-87-B-9885
APPROVED: PWD OR CIO	DATE <b>2-27-87</b>
SUBMITTED BY: <i>mc</i>	DATE
SATISFACTORY TO:	SCALE: NOTED SPEC. 05-87-9885 SHEET 10 OF 15

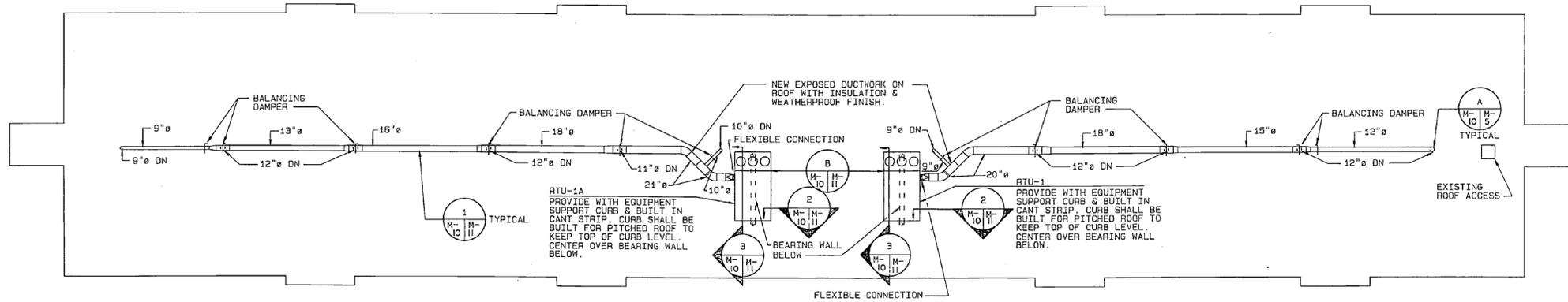
11

12

13

14

REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVED

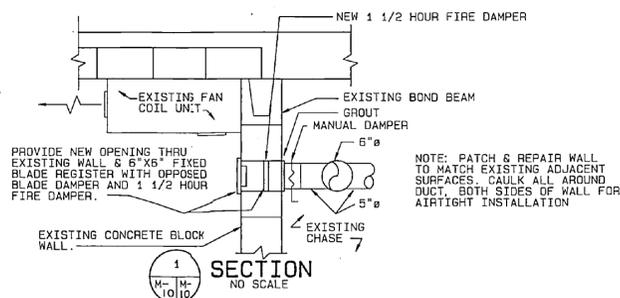
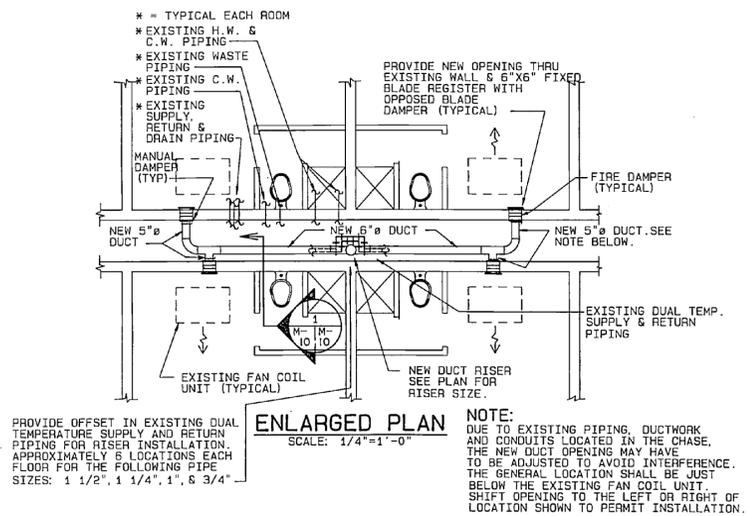


ROOF PLAN - BUILDINGS NO. BB-250 & BB-255

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

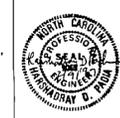
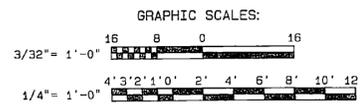
SINGLE PACKAGE COOLING UNIT SCHEDULE

A. H. U. NO.	LOCATION	SERVING	C.F.M.			SUPPLY FAN			OUTDOOR FANS		COMPRESSOR		ELECT. SERVICE		COND. E. A. T. DEG. F.	EVAP. AIR E. W. B. T. DEG. F.	LVG. AIR TEMP. DEG. F.		B.T.U.H. COOLING CAPACITY			UNIT FILTERS		REMARKS	
			TOTAL	RETURN	O. A.	EXT. S.P. IN H2O	H.P.	R.P.M.	NO.	F.L.A.	NO.	REFR.	K.W.	VOLTS			PHASE	DRY BULB	WET BULB	SENSIBLE	LATENT	TOTAL	TYPE		EFF.
RTU-1	ROOF	BEQ'S	2700	-----	2700	.6	1	650	2	5.2	1	R-22	17.9	208	3	90	79	55	54.5	103,000	131,000	234,000	THROW AWAY	25%	
RTU-1A	ROOF	BEQ'S	3000	-----	3000	.6	1	660	2	5.2	1	R-22	22.8	208	3	90	79	55	54.5	113,400	148,200	261,600	THROW AWAY	25%	



NOTES: (THIS SHEET ONLY)

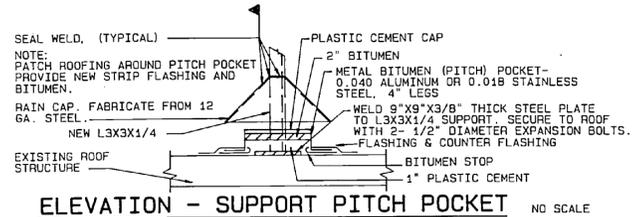
- A. THE DRAWINGS DO NOT INDICATE ALL EXISTING WORK (EQUIPMENT AND MATERIALS), ONLY THAT WHICH TIES IN WITH THE WORK. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS WITH UTMOST CARE IN ORDER TO AVOID DAMAGING EXISTING WORK. ALL EXISTING WORK WHICH IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE GOVERNMENT. THIS WORK SHALL BE DONE AT NO ADDITIONAL EXPENSE TO THE GOVERNMENT.
- B. ALL EXISTING FLOORS, WALLS, BASES AND CEILINGS DAMAGED OR AFFECTED BY INSTALLATION OF NEW WORK SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.
- C. PROVIDE TEMPORARY PLYWOOD WALKWAYS FOR PROTECTION OF EXISTING ROOF, WHERE THE EXISTING ROOF IS DAMAGE OR PENETRATED BY INSTALLATION OF NEW WORK, THE CONTRACTOR SHALL EMPLOY A ROOF INSTALLER, TRAINED AND CERTIFIED BY THE MANUFACTURER OF THE ROOFING SYSTEM, TO MAKE NECESSARY REPAIRS TO ENSURE THAT ROOF WARRANTY IS NOT VOIDED.



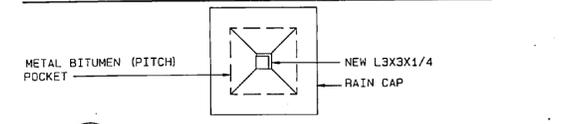
M-10	
L. E. WOOTEN & COMPANY ENGINEERING - PLANNING - ARCHITECTURE RALEIGH, NORTH CAROLINA	
<b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
<b>DEHUMIDIFICATION</b> HADNOT POINT - CHB	
HVAC ROOF PLANS, BLDGS. BB-250 & BB-255	
DESIGN DIR: <i>[Signature]</i>	DATE: 2-27-81
APPROVED: PWD OR QICC	DATE: 2-27-81
SUBMITTED BY: <i>[Signature]</i>	DATE: 2-27-81
SATISFACTORY TO: <i>[Signature]</i>	DATE: 2-27-81
SIZE: F	CODE IDENT. NO.: 80091
SCALE: NOTED	SPEC: 05-97-9885
SHEET 11 OF 15	



REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED

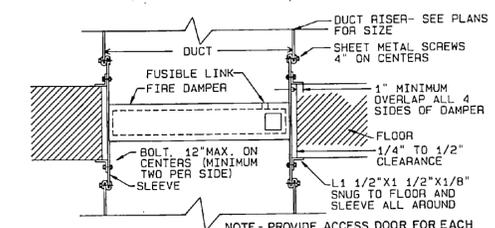


**ELEVATION - SUPPORT PITCH POCKET** NO SCALE



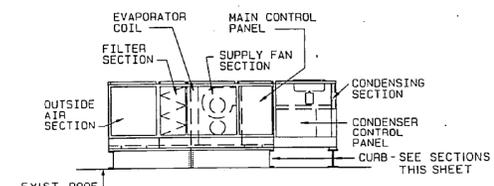
**PLAN - SUPPORT PITCH POCKET** NO SCALE

M-8, M-10  
A  
M-5  
M-11



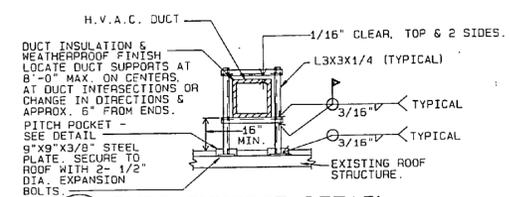
**DUCT RISER SUPPORT DETAIL** NO SCALE

C  
M-3  
M-11  
M-4



**TYPICAL ROOF TOP UNIT DETAIL** NO SCALE

M-5, M-8, M-10  
B  
M-5  
M-11

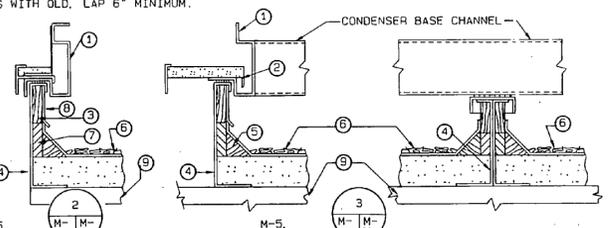


**DUCT SUPPORT DETAIL** NO SCALE

1  
M-8, M-10  
M-5  
M-11

\* NOTE: PROVIDE NEW BUILT-UP ROOFING TO MATCH EXISTING. FEATHER NEW PLIES WITH OLD, LAP 6\"/>

- ① UNIT BASE
- ② CURB GASKETING
- ③ 2 X 4 NAILER STRIP
- ④ 12 GA. GALV. CURB
- ⑤ CANT STRIP
- \*⑥ ROOFING MATERIAL
- ⑦ RIGID INSULATION
- ⑧ COUNTER FLASHING
- ⑨ EXISTING ROOF STRUCTURE



**SECTIONS AT ROOFTOP UNIT CURB** NO SCALE

M-5, M-8, M-10  
2  
M-5  
M-11

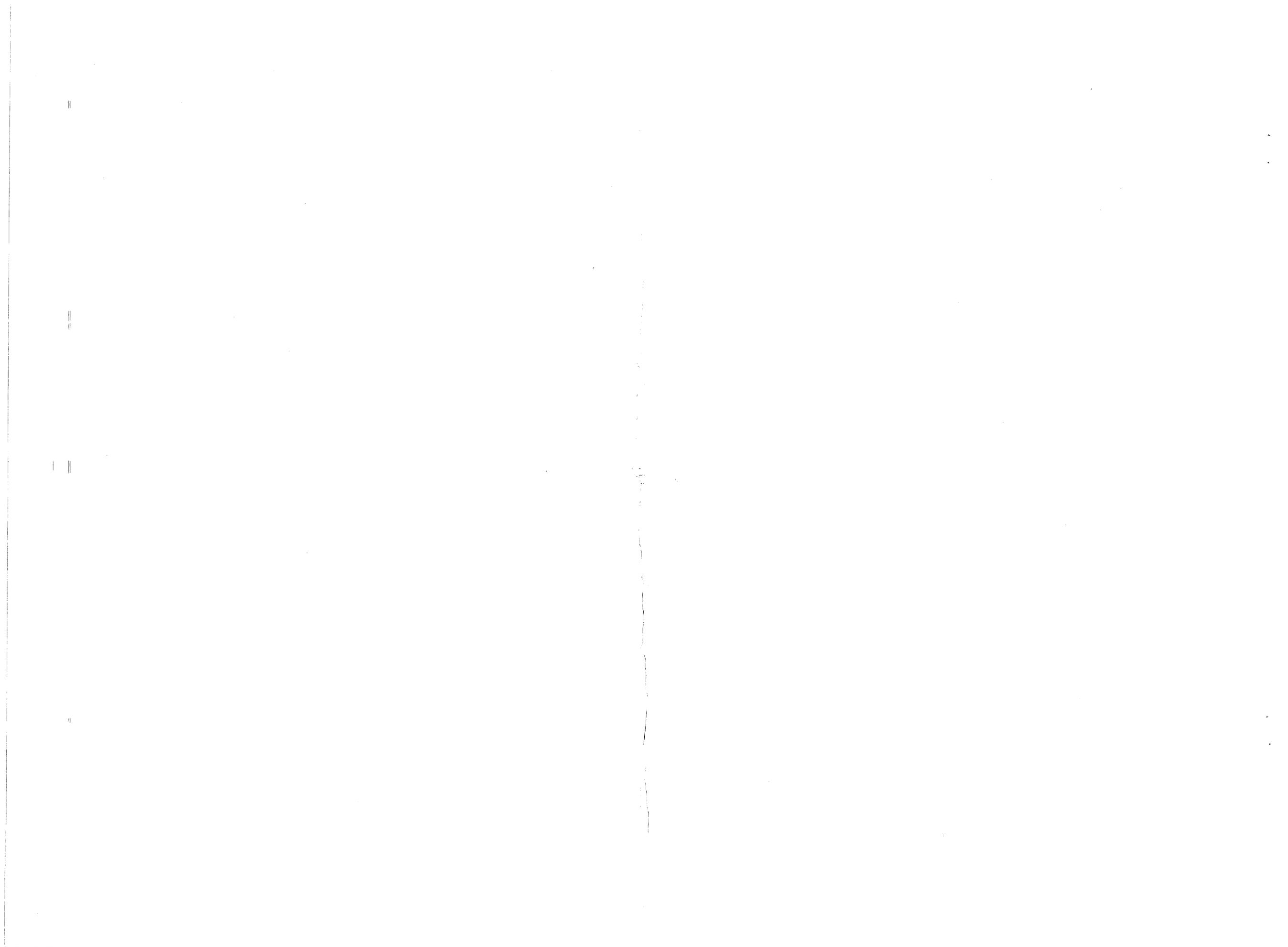
M-5, M-8, M-10  
3  
M-5  
M-11

GRAPHIC SCALES:

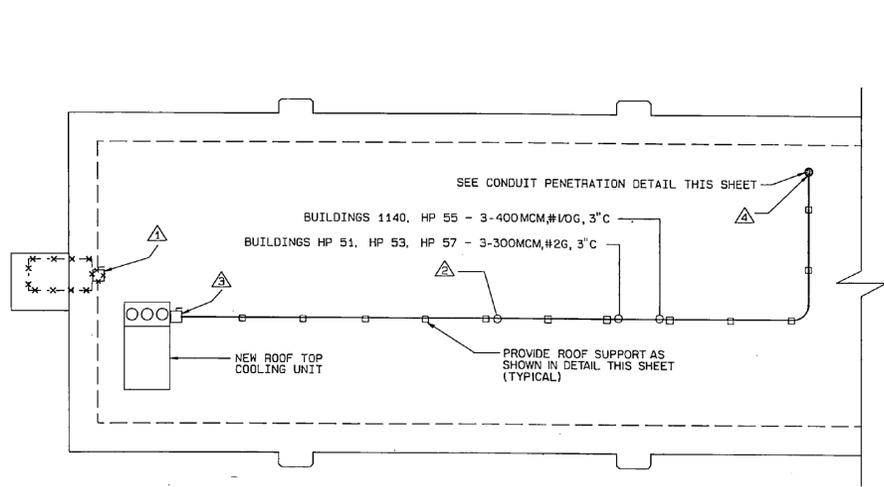


L. E. RUTEN & COMPANY ENGINEERING - PLANNING ARCHITECTURE RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
DES. BP	DR. NP/BJ	<b>DEHUMIDIFICATION HADNOT POINT - CHB</b>	
CHK. HP			
SUBMITTED BY: <i>YK</i>		<b>HVAC DETAILS</b>	
APPROVED: <i>YK</i> OR <i>BJCC</i>	DATE: <i>2-27-87</i>	SIZE: <b>F</b>	CODE IDENT. NO.: <b>80091</b>
SATISFACTORY TO:	DATE:	MANUF. DRAWING NO.: <b>4160848</b>	CONSTR. CONTR. NO. <b>N62470-87-B-9885</b>
SCALE: NOTED		SPEC. 05-67-9885	SHEET 12 OF 15

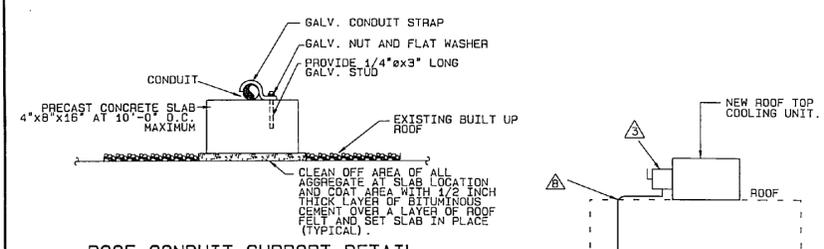
M-11



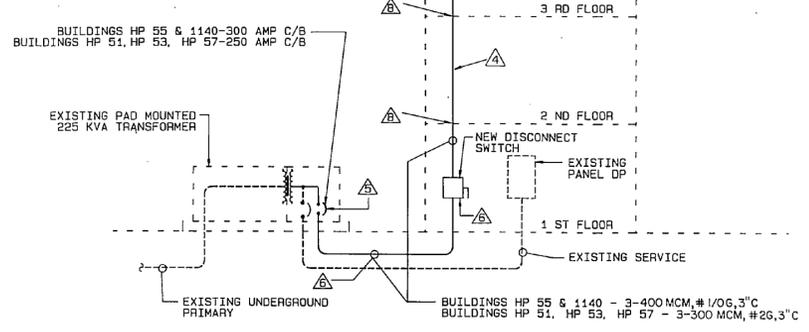
REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



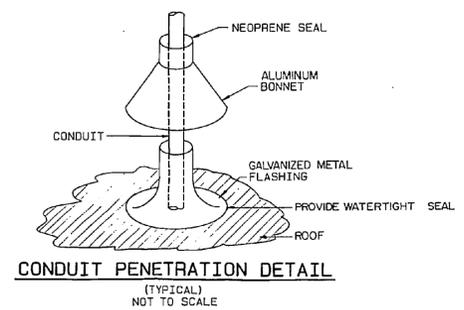
**ROOF PLAN**  
(TYPICAL FOR 5)  
SCALE: 3/32"=1'-0"



**ROOF CONDUIT SUPPORT DETAIL**  
N.T.S.



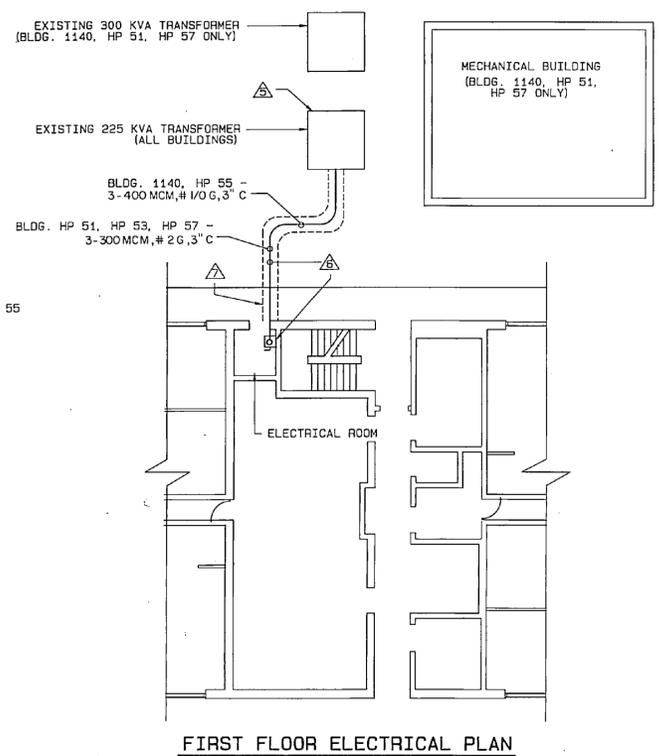
**POWER RISER DIAGRAM**  
(TYPICAL FOR 5)  
NOT TO SCALE



**CONDUIT PENETRATION DETAIL**  
(TYPICAL)  
NOT TO SCALE

**NOTES**

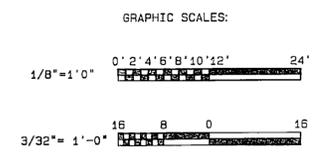
- △ REMOVE EXISTING SWITCH, CONDUIT, AND FEEDER FOR EXISTING ROOF TOP UNIT. TERMINATE AND CAP.
- △ ROUTE NEW ELECTRICAL CONDUIT ON ROOF. PROVIDE SUPPORTS AT A MINIMUM OF 10 FT INTERVALS.
- △ PROVIDE CONNECTION TO DISCONNECT SWITCH PROVIDED WITH NEW ROOF TOP UNIT.
- △ PROVIDE NEW CONDUIT AND FEEDER TO NEW ROOF TOP UNIT. ROUTE NEW ELECTRICAL CONDUITS UP WALL FROM NEW DISCONNECT SWITCH ON FIRST FLOOR.
- △ PROVIDE NEW CIRCUIT BREAKER (240 V. SEE RISER FOR AMPS, 3 POLES, 20,000 AIC) FOR NEW ROOF TOP UNIT. PROVIDE CIRCUIT BREAKER IN EXISTING LOW VOLTAGE DISTRIBUTION SECTION SPACE.
- △ PROVIDE NEW UNDERGROUND SERVICE AND CONDUIT TO NEW DISCONNECT SWITCH (240 V, 400 A, 3 POLES) LISTED FOR USE AS SERVICE ENTRANCE EQUIPMENT, FOR THE NEW ROOF TOP UNIT.
- △ SAWCUT EXISTING CONCRETE SIDEWALK AND PATCH TO MATCH EXISTING.
- △ CORE DRILL FLOOR AND ROOF PENETRATIONS.



**FIRST FLOOR ELECTRICAL PLAN**  
(TYPICAL FOR 5)  
SCALE: 1/8"=1'-0"

**ELECTRICAL LEGEND**

- ⊗ 3-PHASE MOTOR
- DISCONNECT SWITCH
- ⊞ ELECTRICAL PANEL
- △ NOTE INDICATOR
- ⊞ MOTOR STARTER
- CONDUIT TURNED DOWN
- CONDUIT TURNED UP



L. E. WOOTEN & COMPANY ENGINEERING - PLANNING ARCHITECTURE RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
DES: CH/TV	CHK: WC	DEHUMIDIFICATION HADNOT POINT - CHB	
DESIGN DR: M	APPROVER: PWD OR DIC	ELECTRICAL FLOOR & ROOF PLANS BLDG. HP-51, HP-53, HP-55, HP-57, HP-1140	
DATE: 2-27-87	DATE: 2-27-87	SIZE: F	NAVFAC DRAWING NO. 4160849
SATISFACTORY TO:	DATE:	SCALE: NOTED	SPEC: 05-87-9885 SHEET 13 OF 15

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

11

12

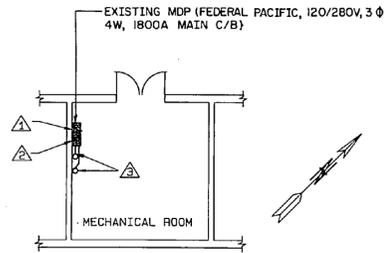
13

14

15

**BUILDINGS 897 & 898**

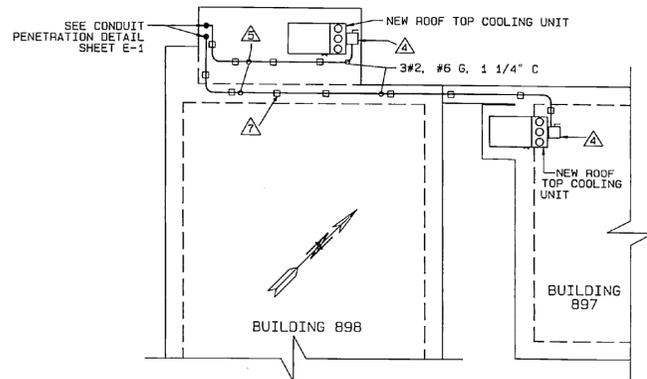
**NOTES**



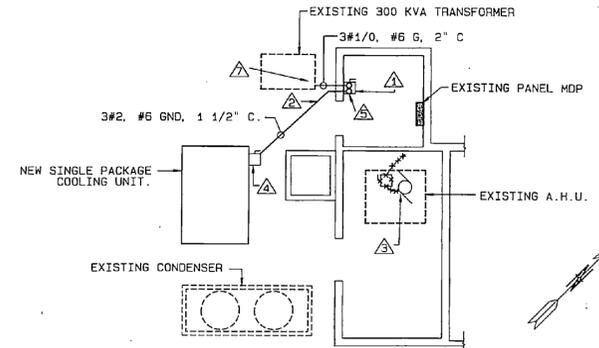
- △ PROVIDE NEW FEEDER, CONDUIT AND CIRCUIT BREAKER (240 V, 150 A, 3 POLES, 20,000 AIC) IN EXISTING PANEL MDP FOR NEW ROOF TOP UNIT ON BUILDING 898.
- △ PROVIDE NEW FEEDER, CONDUIT AND CIRCUIT BREAKER (240 V, 150 A, 3 POLES, 20,000 AIC) IN EXISTING PANEL MDP FOR NEW ROOF TOP UNIT ON BUILDING 897.
- △ PROVIDE NEW CONDUITS UP, SEE POWER RISER DIAGRAM THIS SHEET.
- △ PROVIDE CONNECTIONS TO DISCONNECT SWITCHES (240V, 200A, 3 POLE, NEMA 3R) PROVIDED WITH THE NEW AIR COOLED CHILLERS.
- △ PROVIDE NEW CONDUIT SUPPORTS AT MAXIMUM 10'-0" INTERVALS.
- △ CORE DRILL FLOOR AND ROOF PENETRATIONS AND PROVIDE WATERTIGHT SEAL. SEE CONDUIT PENETRATION DETAIL SHEET E-1 FOR ROOF PENETRATION.
- △ SUPPORT CONDUIT AS SHOWN IN ROOF CONDUIT SUPPORT DETAIL SHEET E-1.

**MODIFICATIONS TO MECHANICAL ROOM**

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

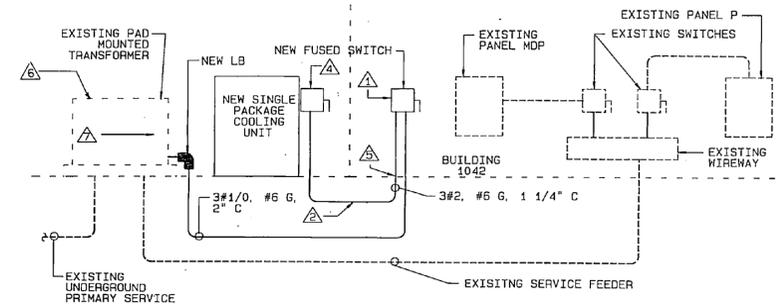


**BUILDING 1042**



**MECHANICAL EQUIPMENT ROOM PLAN**

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

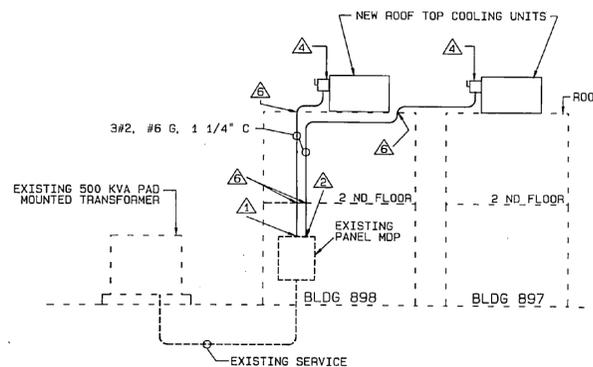


**POWER RISER DIAGRAM**

NOT TO SCALE

**ROOF PLAN BUILDINGS 897 & 898**

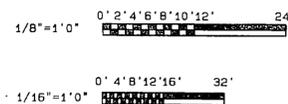
SCALE: 1/16"=1'-0"



**POWER RISER DIAGRAM**

NOT TO SCALE

GRAPHIC SCALES:

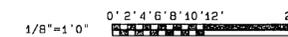


REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED

**NOTES**

- △ PROVIDE NEW FEEDER, CONDUIT AND FUSED DISCONNECT SWITCH (240 V, 150 AMP FUSES, 3 POLES, 20,000 AIC) FOR NEW SINGLE PKG. COOLING UNIT. SWITCH SHALL BE LISTED FOR USE AS SERVICE ENTRANCE EQUIPMENT.
- △ PROVIDE NEW UNDERGROUND FEEDER AND CONDUIT TO NEW SINGLE PACKAGE COOLING UNIT.
- △ REMOVE EXISTING SWITCH, CONDUIT AND FEEDER FOR EXISTING A.H.U. BACK TO PANEL.
- △ PROVIDE CONNECTION TO DISCONNECT SWITCH (240V, 200A, 3 POLE, NEMA 3R) PROVIDED WITH THE NEW SINGLE PACKAGE COOLING UNIT.
- △ SAWCUT AND PATCH CONCRETE FLOOR TO MATCH EXISTING.
- △ TRANSFORMER (300 KVA WESTINGHOUSE Δ-Y, 12470-208/120).
- △ PROVIDE NEW LUGS AND CONNECTIONS FOR NEW SERVICE IN THE EXISTING TRANSFORMER ENCLOSURE.

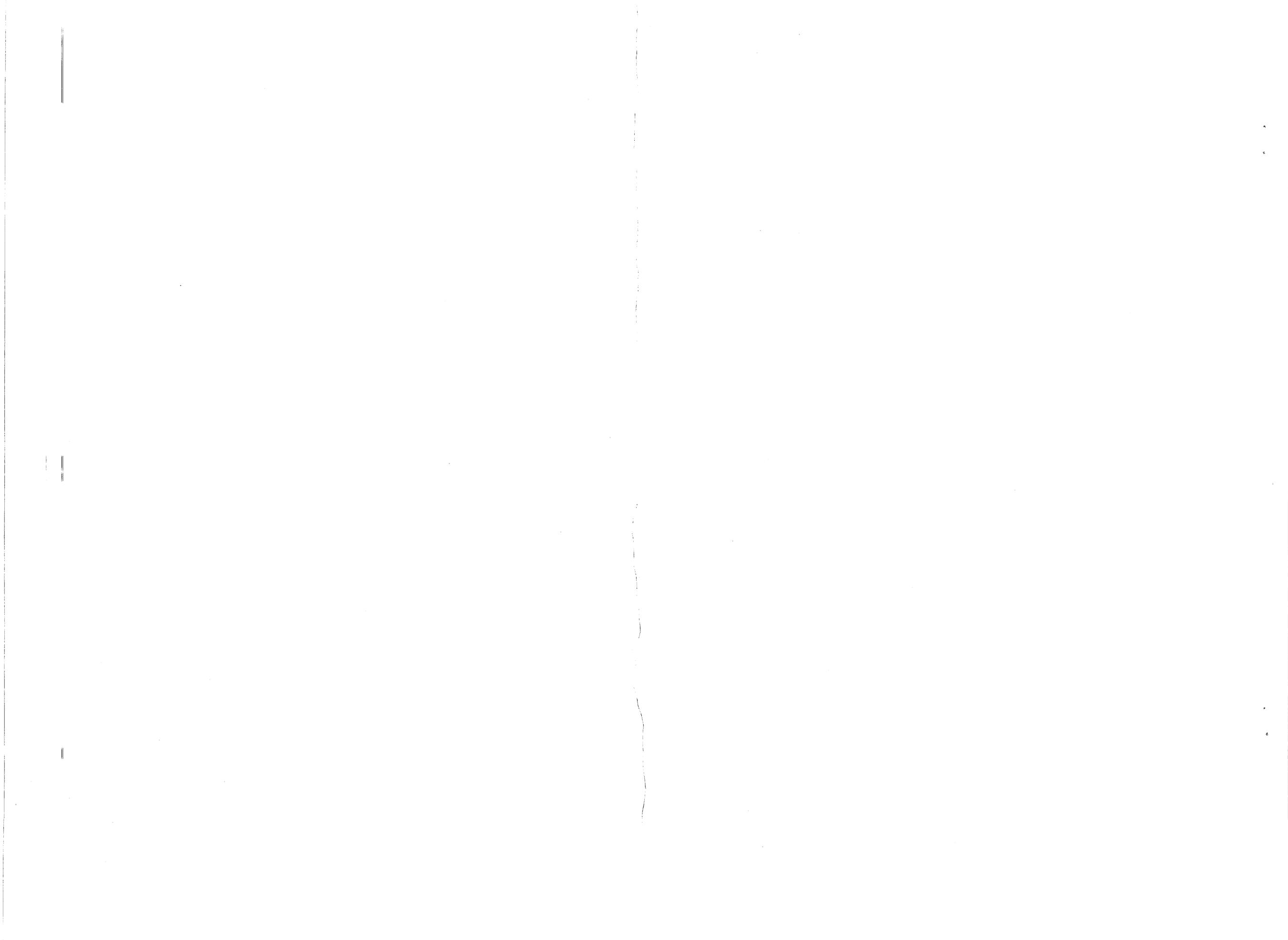
GRAPHIC SCALE:



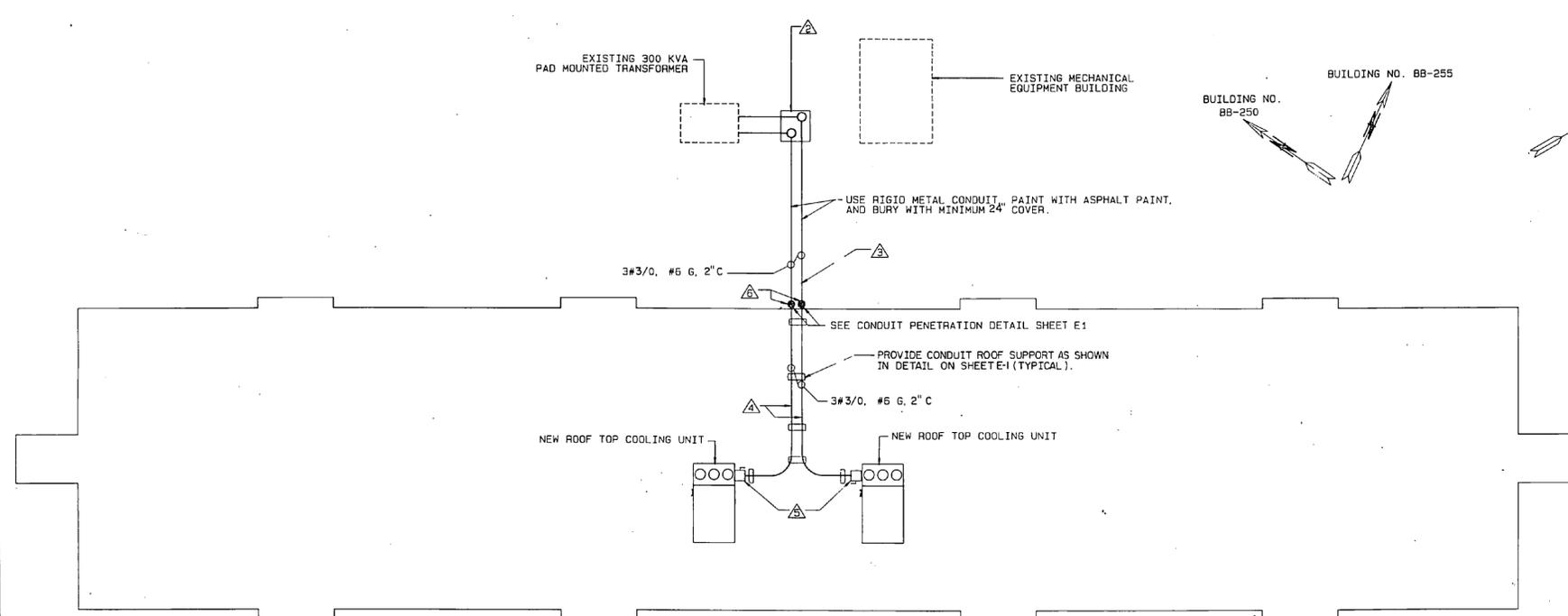
E-2

L. E. WOOTEN & COMPANY ENGINEERING - PLANNING - ARCHITECTURE RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEAURE, NORTH CAROLINA	
DR. CH/TV	CHK. WC	<b>DEHUMIDIFICATION HADNOT POINT - CHB</b>	
SUBMITTED BY: <i>[Signature]</i>		ELECTRICAL FLOOR PLANS BLDG 897, 898 & 1042	
DESIGN NO. 1029	DATE 2-26-87	SIZE F	CODE IDENT. NO. 80091
APPROVED: <i>[Signature]</i>	DATE	NAVFAC DRAWING NO. 4160850	CONSTR. COORD. NO. NS2470-67-9-9885
SATISFACTORY TO:	DATE	SCALE: NOTED	SPEC. 05-67-9885 SHEET 14 OF 15





REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVED

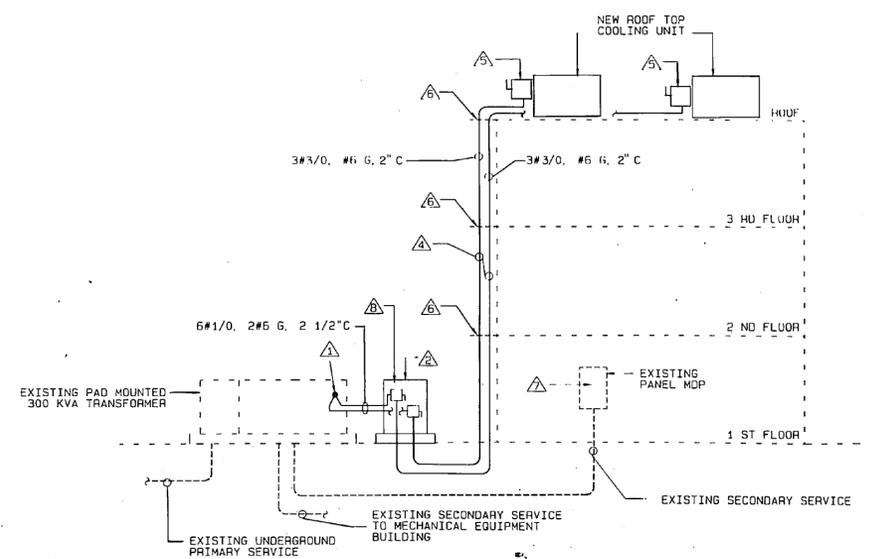


**NOTES**

- ▲ PROVIDE NEW LUGS AND CONNECTIONS TO TRANSFORMER SECONDARY FOR NEW FUSED SWITCHES.
- ▲ PROVIDE TWO NEW FUSED DISCONNECT SWITCHES (240 V. 175 A FUSES, 3 POLES, NEMA 3R) FOR NEW ROOF TOP UNITS. SWITCHES SHALL BE LISTED FOR USE AS SERVICE ENTRANCE EQUIPMENT.
- ▲ SAWCUT AND PATCH WALK TO MATCH EXISTING.
- ▲ PROVIDE CONDUIT AND FEEDER FOR NEW ROOF TOP UNITS. PROVIDE CONDUIT SUPPORTS AT 10'-0" MINIMUM INTERVALS.
- ▲ PROVIDE CONNECTION TO FACTORY MOUNTED DISCONNECT SWITCHES PROVIDED WITH THE NEW ROOF TOP UNITS.
- ▲ CORE DRILL FLOOR AND ROOF PENETRATIONS.
- ▲ PROVIDE NEW ENGRAVED NAMEPLATE AND MOUNT CONSPICUOUSLY ON EXISTING PANEL MDP. NAMEPLATE READS "SERVICE DISCONNECTS FOR ROOF TOP UNITS ARE LOCATED AT PAD MOUNTED TRANSFORMER."
- ▲ PROVIDE NEW ENGRAVED NAMEPLATE AND MOUNT CONSPICUOUSLY ON NEW SWITCHES. NAMEPLATES READ "SERVICE DISCONNECT FOR ROOF TOP UNIT."

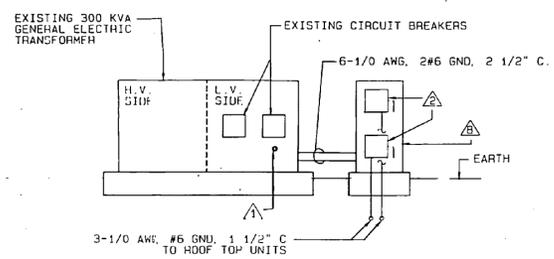
**ELECTRICAL ROOF PLAN**

(TYPICAL FOR 4)  
SCALE: 3/32"=1'-0"



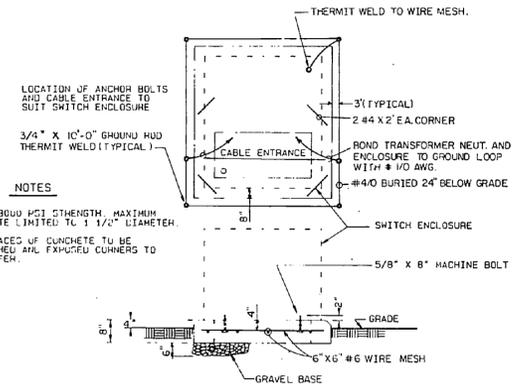
**POWER RISER DIAGRAM**

(TYPICAL FOR 4)  
NOT TO SCALE



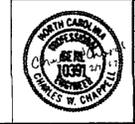
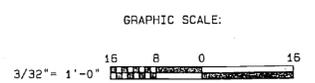
**TRANSFORMER DETAIL**

NOT TO SCALE



**ENCLOSED SWITCH PAD DETAIL**

(TYPICAL FOR 4)  
NOT TO SCALE



L. E. WOOTEN & COMPANY ENGINEERING - PLANNING - ARCHITECTURE RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
DES. CH/TV	CHK. WC	<b>DEHUMIDIFICATION HADNOT POINT - CHB</b>	
SUBMITTED BY:	DESIGN DRG. <i>WJL</i>	ELECTRICAL ROOF PLANS BLDG'S. BB-250, BB-255, HP-550, HP-560	
APPROVED: PCD OR DIC	DATE: 2-26-87	SIZE: F	CORE IDENT. NO.: 4160851
SATISFACTORY TO:	DATE:	NAVFAC DRAWING NO.: 4160851	CONSTR. CONTR. NO. N62470-87-B-9885
SCALE: NOTED		APPC. 05-87-9885	SHEET 15 OF 15

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