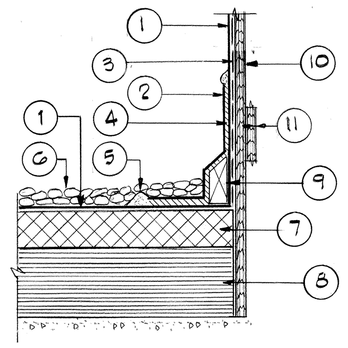
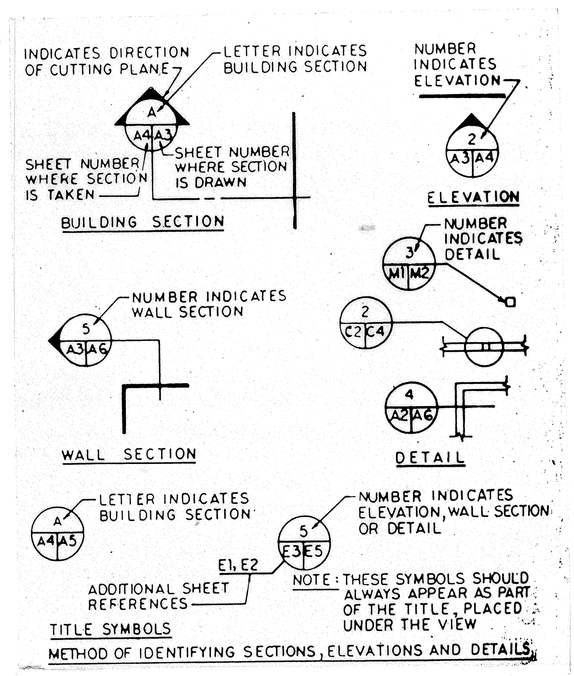
REVISIONS				
LTR	DESCRIPTION	PREP'D BY	DATE	APPROVED
	AS BUILT	D.B.	8/26/85	D.B.

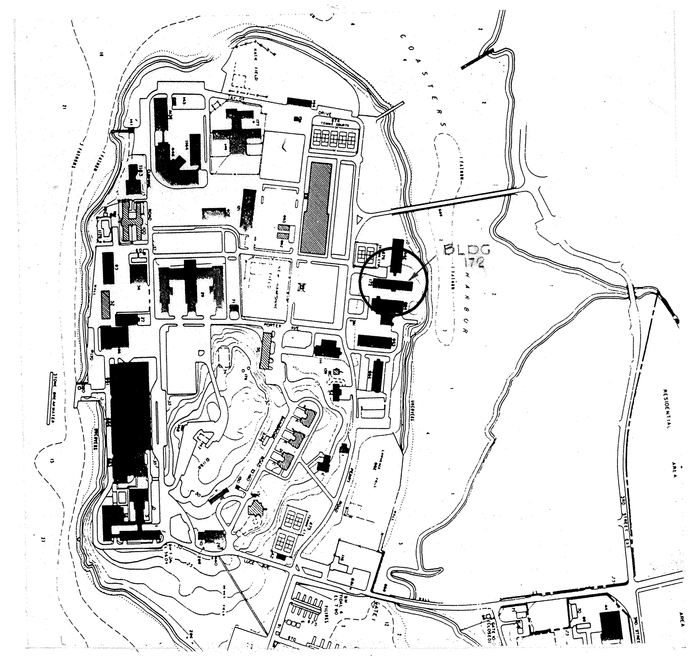
LEGEND

1. E.P.D.M ROOFING MEMBRANE
2. UNCURED FLASHING MEMBRANE
3. BONDING ADHESIVE
4. SPLICING CEMENT
5. LAP SEALANT
6. BALLAST
7. 1.8" THICK (MIN.) ISOCYANURATE INSULATION
8. TAPERED PERLITE INSULATION (MIN. 1/8" PER FT. SLOPE) 1/2" MIN. THICKNESS
9. 2 1/2" × 1" THICK WOOD NAILER WITH FACE CHAMFERED 45° AND FASTEN 12" O.C.
10. 3/4" THICK EXTERIOR GRADE PLYWOOD
11. TWO (2) LAYERS OF 1/2" THICK EXTERIOR GRADE PLYWOOD WITH STAGGERED JOINTS (UNLESS OTHERWISE NOTED)



KEY TO LEGEND





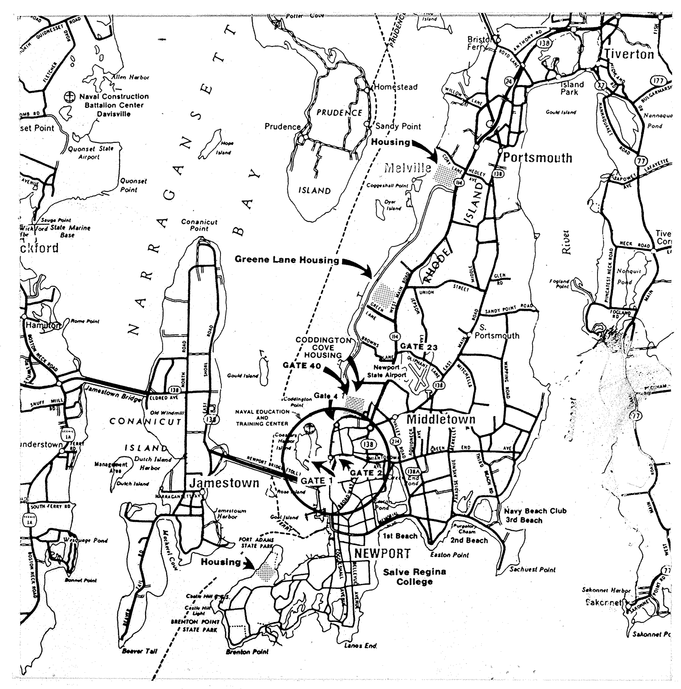
LOCATION MAP

LEGEND OF MATERIALS

- .... RIGID INSULATION
- .... TAPERED INSULATION
- .... METAL
- .... PLYWOOD
- .... BLOCKING
- .... BALLAST
- .... BALLAST PAVER
- .... GYPSUM WALLBOARD
- .... AREAS OF MAIN ROOF FULLY ADHERED MEMBRANE (4" THK. CONCRETE SLABS)

LIST OF ABBREVIATIONS

ALUM..... ALUMINUM
B.U.R..... BUILT-UP ROOFING
CONSTR... CONSTRUCTION
℄ ..... CENTER LINE
DET..... DETAIL
ELEV..... ELEVATION
EPDM.... ETHYLENE PROPYLENE DIENE MONOMER
EXIST..... EXISTING
FIN.FL.... FINISH FLOOR
FLASH'G.. FLASHING
H..... HIGH
HGT..... HEIGHT
INSUL.... INSULATION
MIN..... MINIMUM
MET..... METAL
NO..... NUMBER
O.C..... ON CENTER
PL..... PLAN
R.D..... ROOF DRAIN
R.F..... ROOF FAN
RWC..... RAIN WATER CONDUCTOR
SECT..... SECTION
S.P..... SPLASH PAN
S.S..... SOIL STACK
STL..... STEEL
V.S..... VENT STACK
W/..... WITH
CMU.... CONCRETE MASONRY UNIT
CONT.... CONTINUOUS
N.T.S.... NOT TO SCALE
H.P..... HIGH POINT
C.I..... CAST IRON
W.D.... WOOD
AC..... ACOUSTIC



VICINITY MAP

DRAWING INDEX

A-1 MAPS, DRAWING INDEX & LEGENDS
A-2 TYPICAL FLOOR PLAN, ROOF PLAN
A-3 BASEMENT PLAN, ELEVATION & DETAILS
A-4 PENTHOUSE PLAN, ELEVATIONS & DETAILS
A-5 DETAILS

CHECK GRAPHIC SCALES BEFORE USING

REGISTERED ARCHITECT PENNSYLVANIA RICHARD M. HOROWITZ No. 5 A-3

RICHARD M. HOROWITZ, A.I.A.
ARCHITECT AND PLANNER
TRENTON, NEW JERSEY

DSGN SFM DR WS CHK RMH
SUPV. CH ENGR
SUBMITTED BY R. HOROWITZ (ARCH) DATE 8/8/83
FIRM MEMBER (TITLE)
NORTHDIV MD
DM HD
FPM DIR
APPROVED DATE
OFFICER IN CHARGE
APPROVED DATE
NORTHDIV FOR COMMANDER NAVFAC

SATISFACTORY TO DATE
Forrest of H. Ward 6/19/84

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
NORTHERN DIVISION
NAVAL BASE PHILADELPHIA PA.

NAVAL EDUCATION TRAINING CENTER — COASTERS HARBOR ISLAND, NEWPORT R.I.

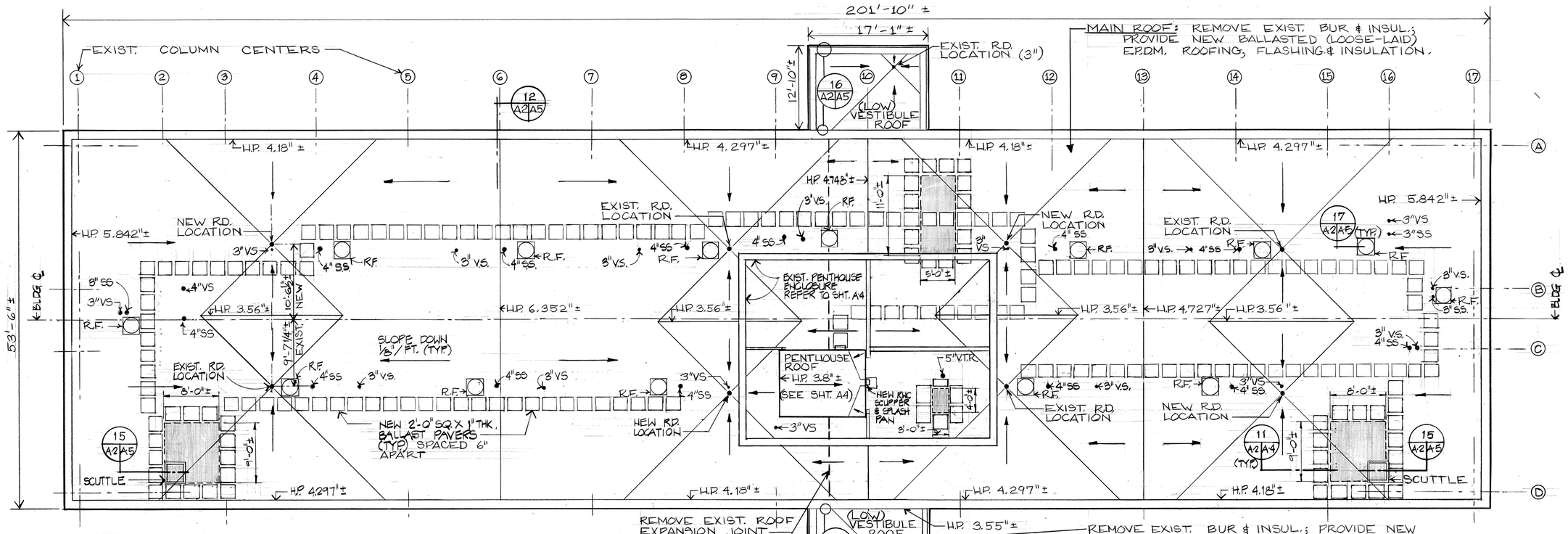
REPAIRS ROOF, BUILDING 172

MAPS, DRAWING INDEX & LEGENDS

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.	
F	80091	2071744	A1
		CONSTR CONTR. NO. NG2472-83C-0271	
SCALE AS NOTED	SPEC. 04-83-0271	SHEET 1 OF 5	

NETC DWG. NO. 25585-252

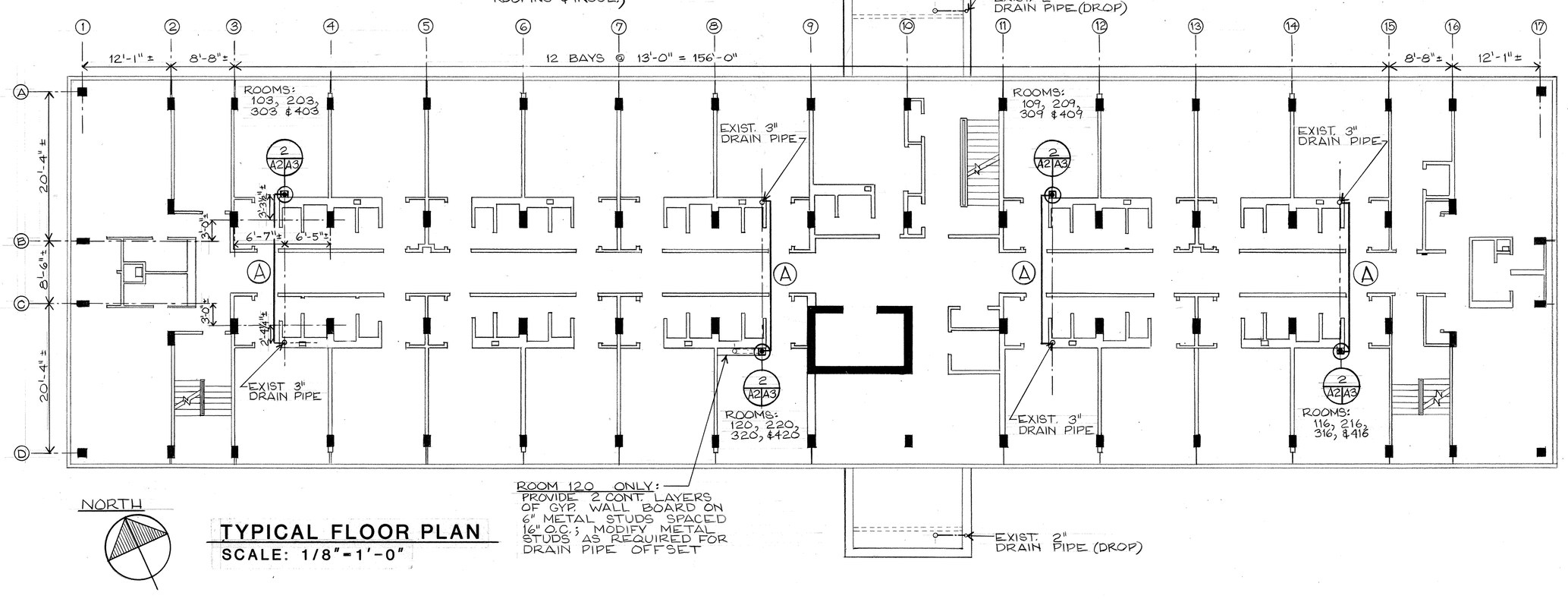
REVISIONS				
LTR	DESCRIPTION	PREP'D BY	DATE	APPROVED
A	REVISED AS BUILT	D.B.	8/24/83	D.B.



ROOF PLAN

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

... LOCATIONS OF 4" THK. CONC. SLAB AREAS ON MAIN ROOF TOTAL 213 S.F. (REMOVE EXIST. BUR & INSUL.; PROVIDE NEW FULLY ADHERED E.P.D.M. ROOFING & INSUL.)



TYPICAL FLOOR PLAN

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

ROOM 120 ONLY: PROVIDE 2 CONT. LAYERS OF GYP. WALL BOARD ON 6" METAL STUDS SPACED 16" O.C.; MODIFY METAL STUDS AS REQUIRED FOR DRAIN PIPE OFFSET

GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE 6 NEW ROOF DRAINS TO REPLACE EXISTING. EXISTING DRAIN PIPES SHALL BE MECHANICALLY CLEANED TO LEVEL OF STORM SEWER INVERT (± 40 FEET EACH FOR MAIN ROOF AND ± 20 FEET FOR VESTIBULE DRAINS).
2. CONTRACTOR SHALL PROVIDE 4 NEW ROOF DRAINS AND PIPING CONNECTING TO EXISTING C.I. STORM DRAINAGE PIPING IN BASEMENT AS INDICATED.
3. EXCAVATE EXISTING 3" STABILIZED CONCRETE FILL AND 6" GRAVEL ON GRADE AS REQUIRED FOR NEW DRAINPIPE CONNECTIONS. PROVIDE BACKFILL AS REQUIRED, WELL TAMPED AND PUDDLED. AFTER PIPING INSTALLATION AND BACKFILL, MATCH 6" GRAVEL AND 3" STABILIZED FILL.
4. ALL TAPERED INSULATION (INCLUDING GUSSETS OF PENTHOUSE ROOF) SHALL BE INSTALLED BENEATH NEW RIGID INSULATION. PERLITE AND ASPHALT SHALL NOT COME IN CONTACT WITH MEMBRANE BONDING ADHESIVES.
5. TOP LAYER OF INSULATION SHALL BE CUT TO CONFORM TO NEW VALLEYS FORMED BY TAPERED INSULATION.
6. HIGH POINT ELEVATIONS INDICATE TOTAL MINIMUM INSULATION THICKNESS. LOW POINTS (AT DRAINS AND SCUPPER) SHALL BE MIN. 2.3" (MIN. 1/2" THICK TAPERED INSULATION UNDER MIN. 1.8" RIGID INSULATION). THICKNESS OF NEW RIGID INSULATION SHALL NOT VARY.
7. SEE EXISTING CONSTRUCTION DRAWINGS ADJACENT TO NEW DETAILS FOR TYPICAL ITEMS TO BE REMOVED.
8. APPROXIMATELY 40% OF MAIN ROOF AREA IS PATCHED WITH ADDITIONAL 4 PLYS OF ASPHALT ROOFING OVER EXISTING 4 PLYS.
9. NEW PIPING IN BASEMENT SHALL BE INSTALLED SO AS TO MAINTAIN MAXIMUM HEAD ROOM.
10. NEW ROOF DRAINS SHALL INCLUDE DOME STRAINER, CLAMPING RING, EXTENSION COLLAR, AND SUMP RECEIVER. ALL DRAINS 3" DIAMETER.

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

CHECK GRAPHIC SCALES BEFORE USING

REGISTERED ARCHITECT PENNSYLVANIA RICHARD M. HOROWITZ No. 8-4208

SATISFACTORY TO DATE

RICHARD M. HOROWITZ, A.I.A.
ARCHITECT AND PLANNER
TRENTON, NEW JERSEY

DSGN SFM DR SFN CHK RMH
SUPV CH ENGH
SUBMITTED BY R. HOROWITZ (ARCH) DATE 8/8/83
FIRM MEMBER (TITLE)
NORTHDIV MD
DM HD
FBE DIR
APPROVED DATE
OFFICER IN CHARGE
APPROVED DATE
NORTHDIV FOR COMMANDER NAVFAC

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
NORTHERN DIVISION
NAVAL BASE PHILADELPHIA PA.

NAVAL EDUCATION TRAINING CENTER, COASTERS HARBOR ISLAND, NEWPORT R.I.

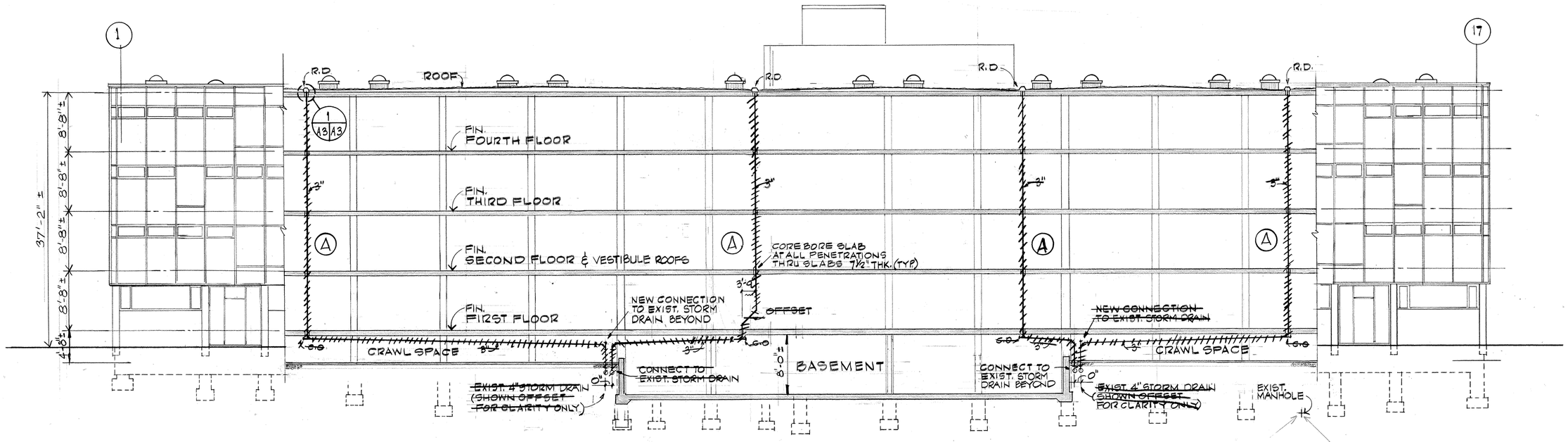
REPAIRS ROOF, BUILDING 172

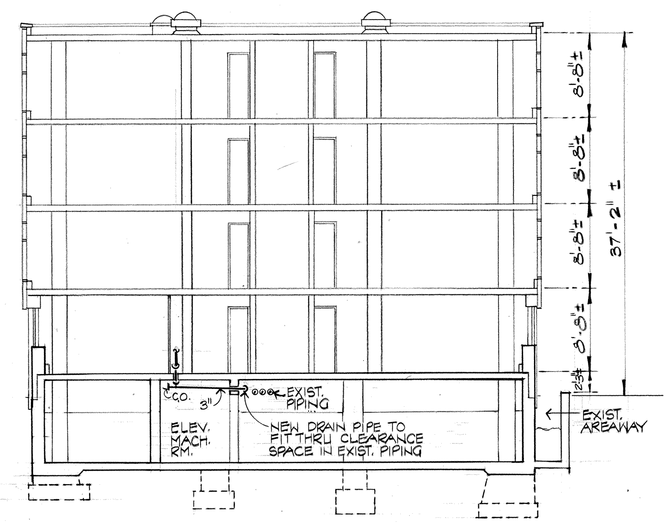
TYPICAL FLOOR PLAN, ROOF PLAN

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.	
F	80091	2071745	A2
		CONSTR CONTR NO. N62472-83C-0271	
SCALE AS NOTED	SPEC. 04-83-0271	SHEET 4 OF 5	

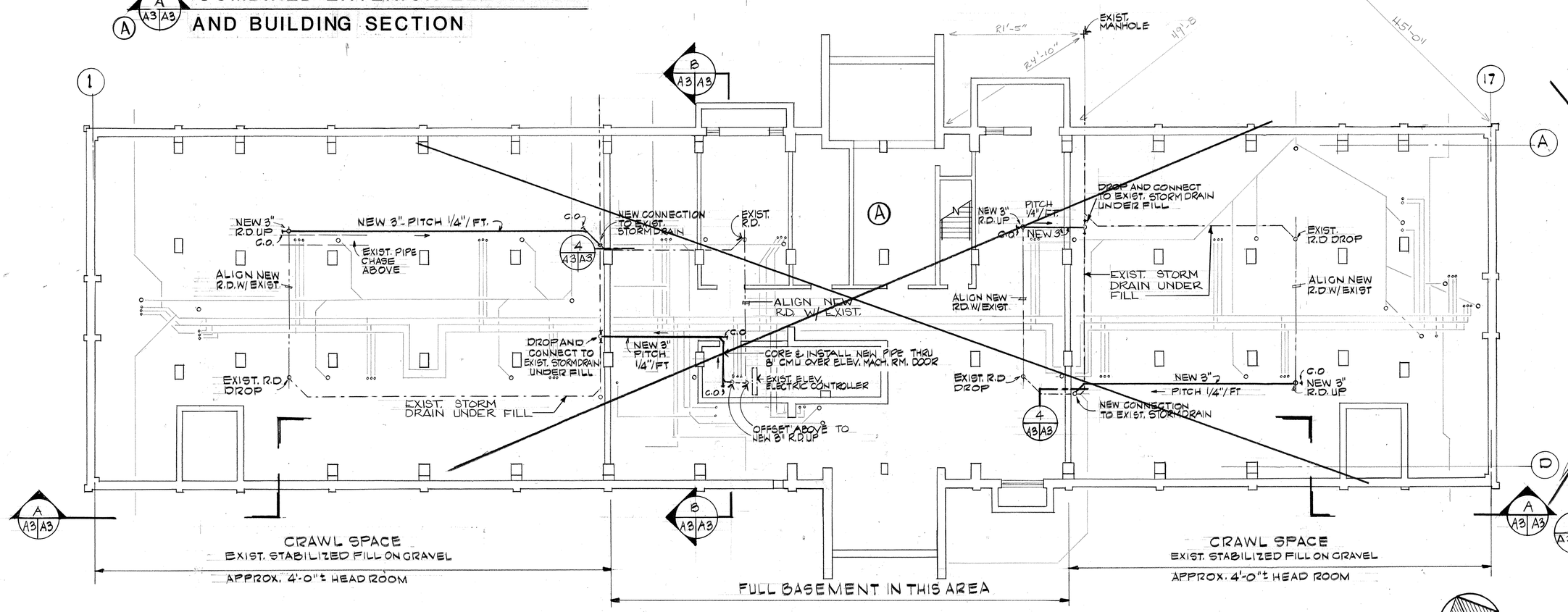
NETC DWG. NO. 25586-252

REVISIONS				
LTR	DESCRIPTION	PREP'D BY	DATE	APPROVED
A	REVISED AS BUILT	D.B.	8/26/85	D.B.



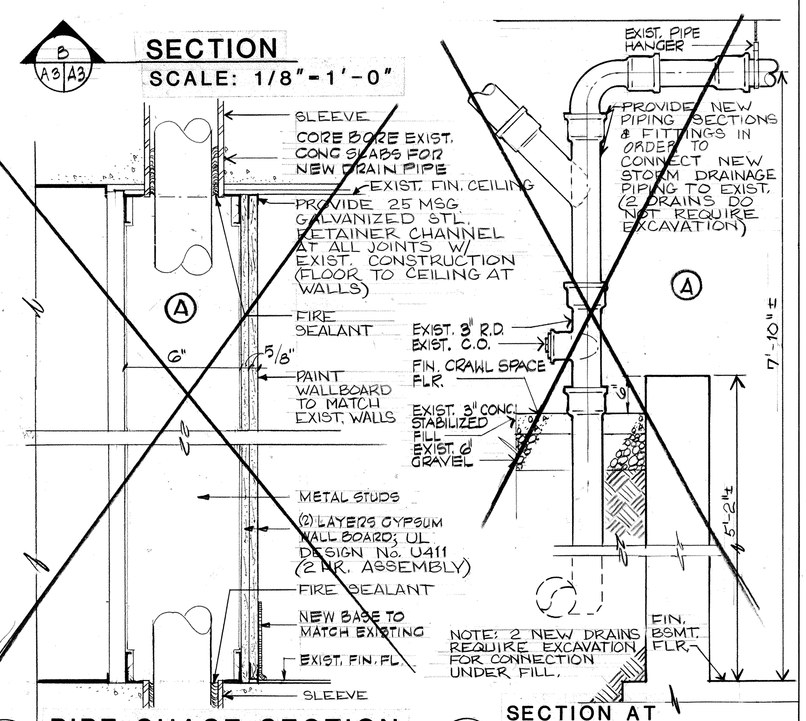


COMBINED EXTERIOR ELEVATION AND BUILDING SECTION



BASEMENT FLOOR PLAN

SCALE 1/8" = 1'-0"



SECTION

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

PIPE CHASE SECTION

SCALE: 3" = 1'-0"

SECTION AT CRAWL SPACE

SCALE: 1" = 1'-0"

GRAPHIC SCALES

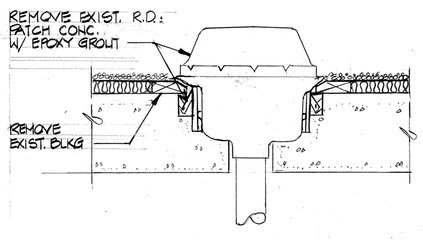
1" = 1'-0" : 0 3 6 9 1'-0" 2'-0" 3'-0" 5'-0"

3" = 1'-0" : 0" 3" 6" 9" 1'-0" 1'-6"

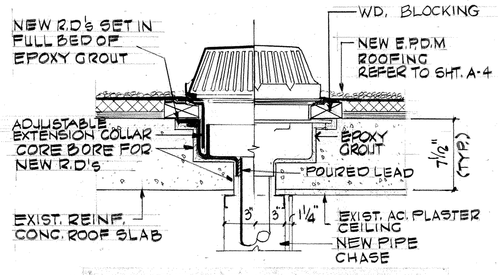
1/2" = 1'-0" : 0 1' 2' 3' 4' 5' 6' 7' 8' 9' 10'

1/8" = 1'-0" : 0 5' 10' 20' 30' 40'

CHECK GRAPHIC SCALES BEFORE USING



SECT. THRU EXIST. R.D.



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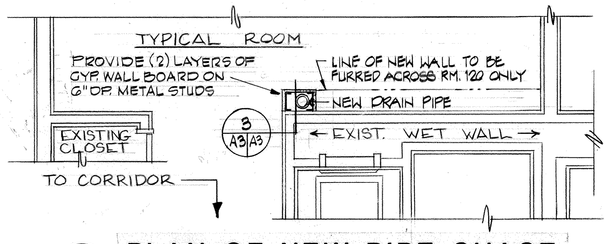


PLAN OF NEW PIPE CHASE

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

RICHARD M. HOROWITZ, A. I. A.
ARCHITECT AND PLANNER
TRENTON, NEW JERSEY

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA RICHARD M. HOROWITZ No. 4200

SATISFACTORY TO DATE

DSGN SFM DRK.NHCHK RMH
SUPV CH ENGH
SUBMITTED BY R. HOROWITZ (ARCH) 8/8/83 DATE
FIRM MEMBER (TITLE)
NORTHDIV MD
DM HD
FIRE DR
APPROVED DATE
OFFICER IN CHARGE
APPROVED DATE
NORTHDIV FOR COMMANDER NAVFAC

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
NORTHERN DIVISION
NAVAL BASE PHILADELPHIA PA.

NAVAL EDUCATION TRAINING CENTER — COASTERS HARBOR ISLAND, NEWPORT R.I.

REPAIRS ROOF, BUILDING 172

PLAN, ELEVATION & DETAILS

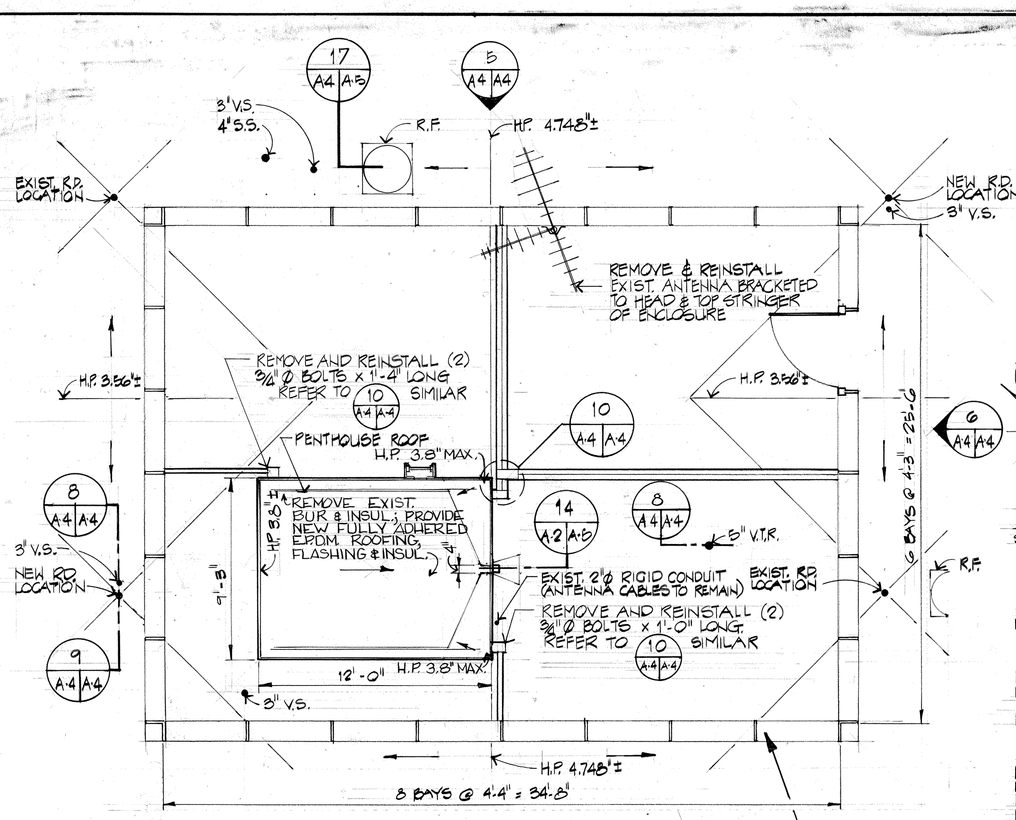
SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.	
F	80091	2071746	A3

CONSTR CONTR NO. N62472-83C-0271

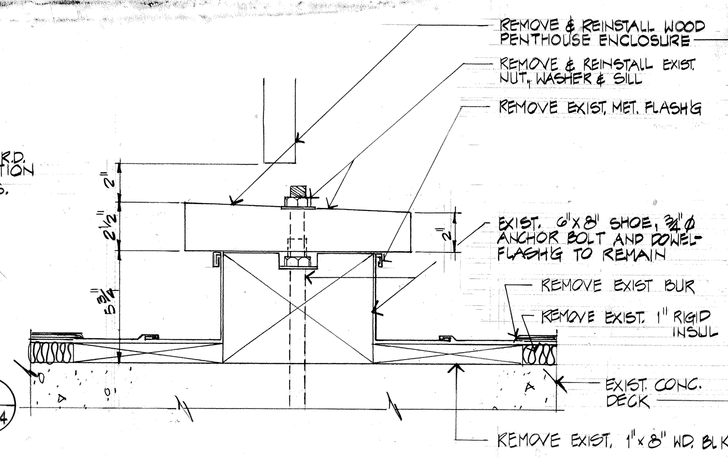
SCALE AS NOTED | SPEC 04-83-0271 | SHEET 3 OF 5

NETC DWG. NO. 25587-252

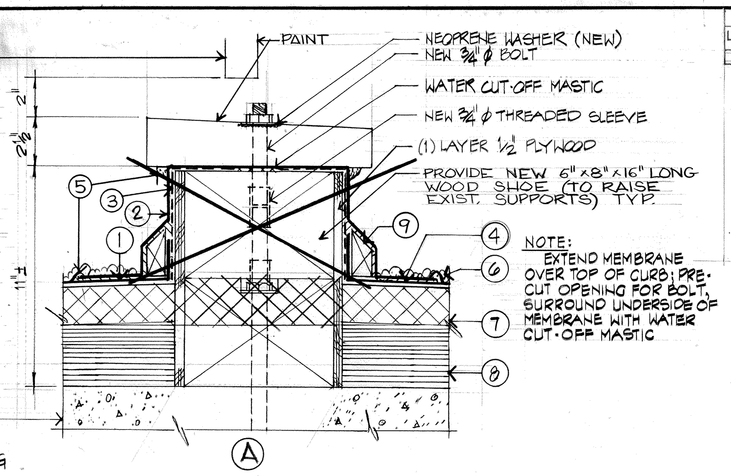
REVISIONS				
LTR	DESCRIPTION	PREP'D BY	DATE	APPROVED
A	REVISED AS BUILT	D.B.	8/24/85	D.B.



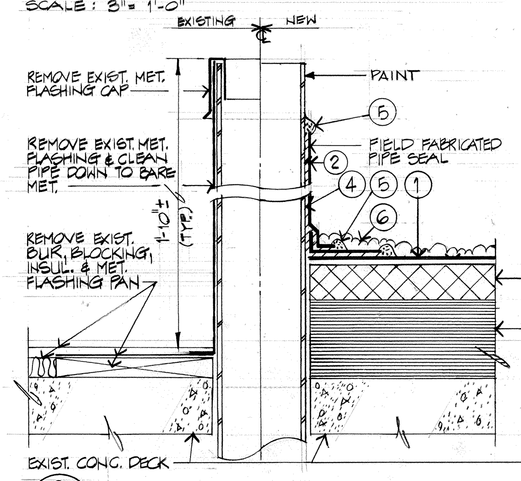
PLAN OF PENTHOUSE ENCLOSURE
SCALE: 1/4" = 1'-0"



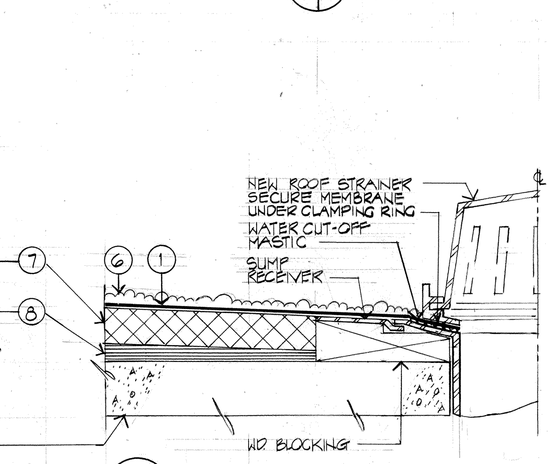
EXIST. ENCLOSURE SUPPORT CONSTRUCTION
SCALE: 3" = 1'-0"



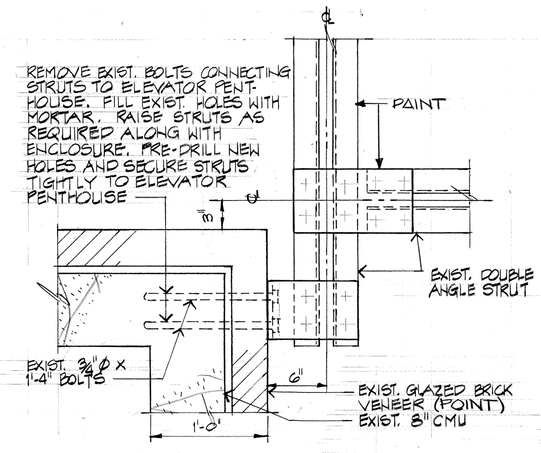
7 A-4 A4 ENCLOSURE SUPPORT DETAIL
SCALE: 3" = 1'-0"



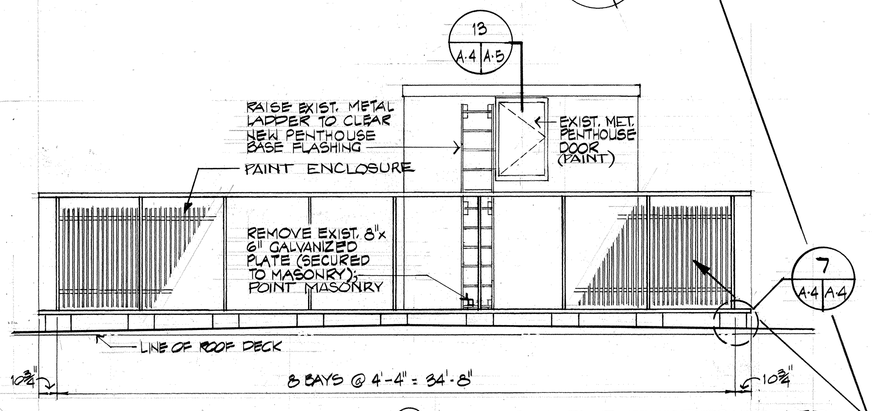
8 A-4 A-4 ROOF VENT FLASHING DETAIL
SCALE: 3" = 1'-0"



9 A4 A-4 ROOF DRAIN DETAIL
N.T.S.

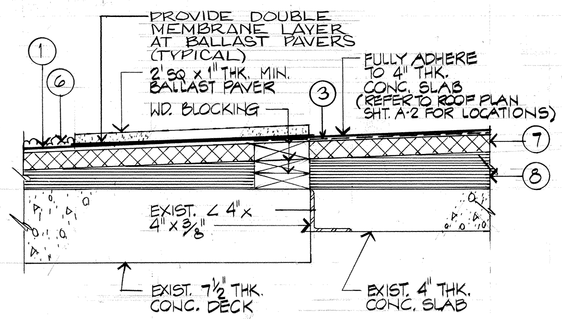


10 A-4 A-4 STRUT CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"

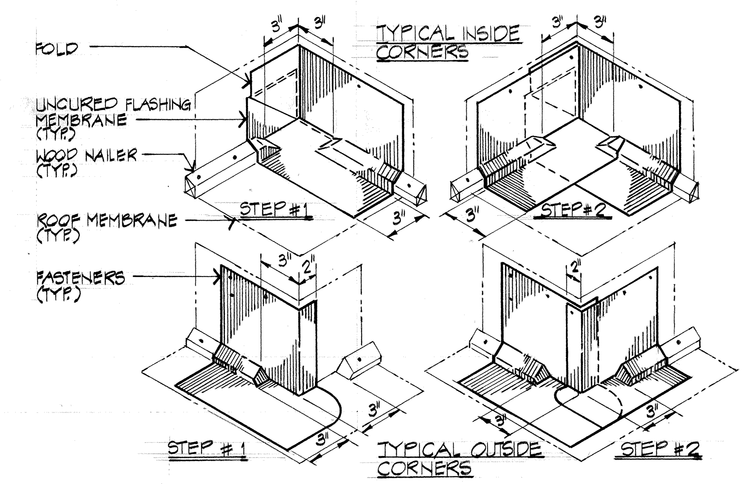


5 A-4 A-4 NORTH ELEVATION
SCALE: 1/4" = 1'-0"

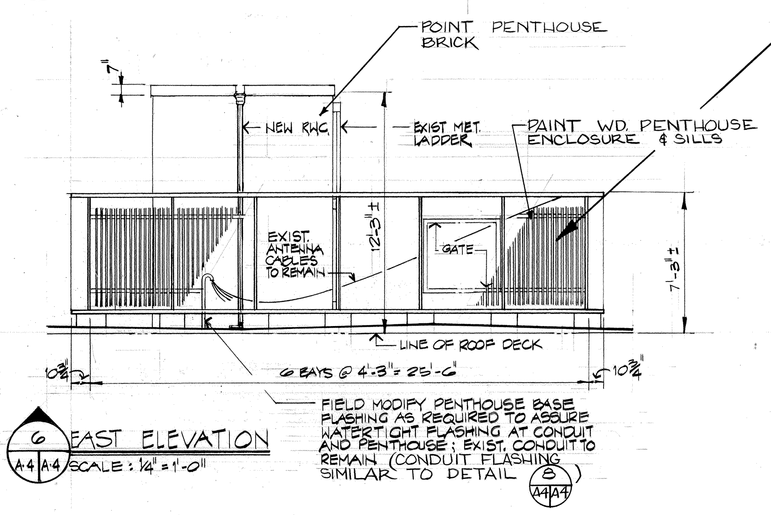
(A) FENCE REMOVED BUT NOT REINSTALLED BY REQUEST OF ACTIVITY



11 A-2 A-4 DETAIL @ 4" THICK CONCRETE SLABS
SCALE: 1 1/2" = 1'-0"

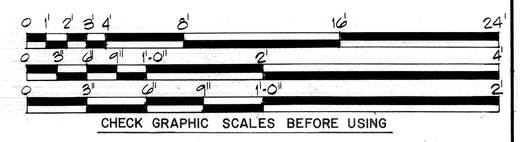


FIELD FABRICATED CORNERS



6 A-4 A-4 EAST ELEVATION
SCALE: 1/4" = 1'-0"

GRAPHIC SCALES



REGISTERED ARCHITECT PENNSYLVANIA RICHARD M. HOROWITZ No. 14500

SATISFACTORY TO DATE

RICHARD M. HOROWITZ, A. I. A.
ARCHITECT AND PLANNER
TRENTON, NEW JERSEY

DSGN RMH DR APM/VCHK RMH
SUPV. CH ENGH
SUBMITTED BY DATE
R. HOROWITZ (ARCH) 8/8/83
FIRM MEMBER (TITLE)
NORTHDIV MD
DM HD
FPE DIR
APPROVED DATE
OFFICER IN CHARGE
APPROVED DATE
NORTHDIV FOR COMMANDER NAVFAC

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
NORTHERN DIVISION
NAVAL BASE PHILADELPHIA PA.

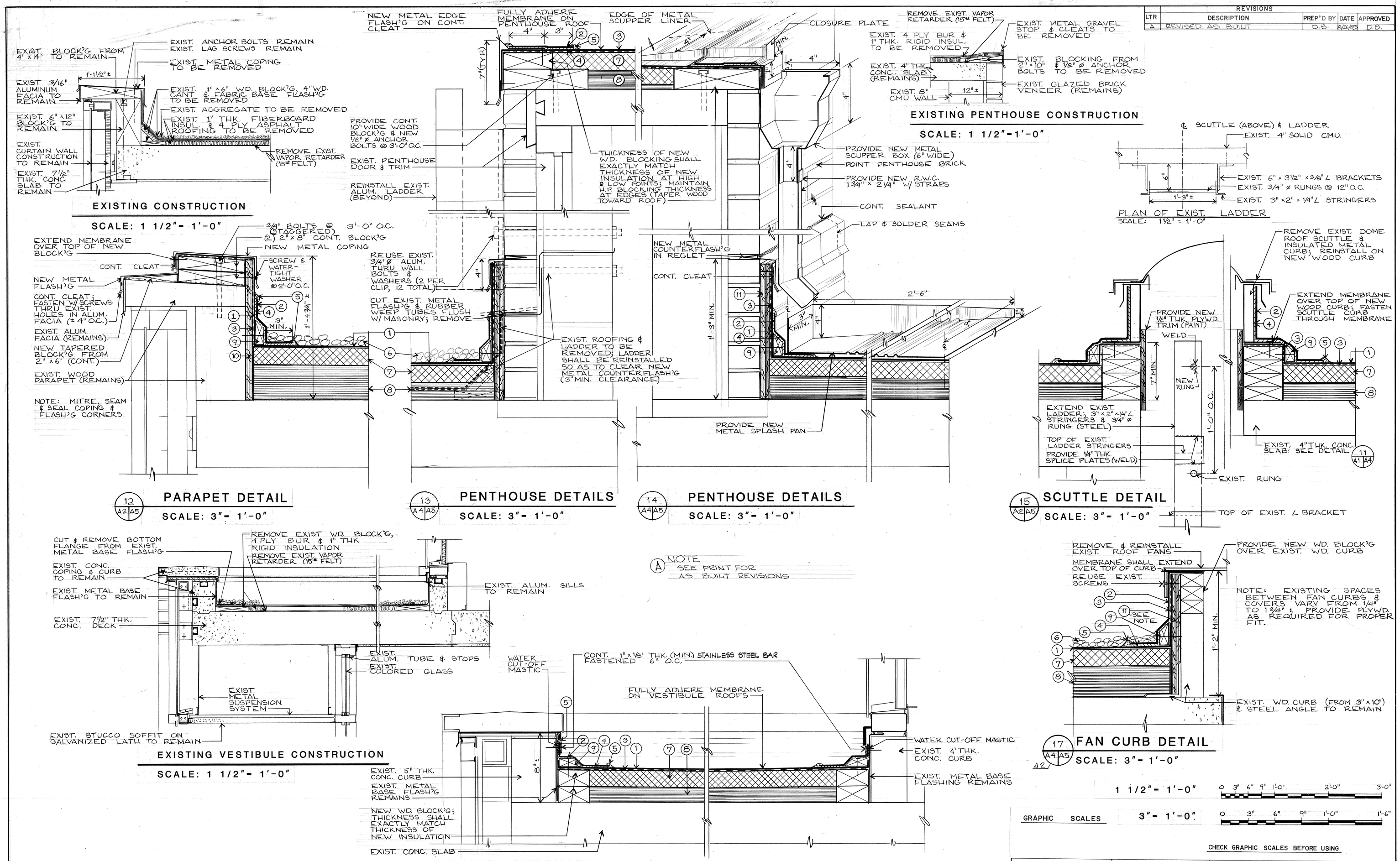
NAVAL EDUCATION TRAINING CENTER
COASTERS HARBOR ISLAND, NEWPORT R.I.

REPAIRS ROOF, B.O.Q BUILDING 172
PENTHOUSE PLAN, ELEVATIONS & DETAILS

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.	
F	80091	2071747	A4
		CONSTR CONTR. NO. N62472-83C-0271	
SCALE AS NOTED	SPEC. 04-83-0271	SHEET 4 OF 5	

NETC DWG. NO. 25588-252

REVISIONS				
LTR	DESCRIPTION	PREP'D BY	DATE	APPROVED
A	REVISED AS BUILT	D.B.	8/24/85	D.B.



GRAPHIC SCALES

1 1/2"= 1'-0" 0 3" 6" 9" 1'-0" 2'-0" 3'-0"

3"= 1'-0" 0 3" 6" 9" 1'-0" 1'-6"

CHECK GRAPHIC SCALES BEFORE USING

SATISFACTORY TO DATE

RICHARD M. HOROWITZ, A.I.A.
ARCHITECT AND PLANNER
TRENTON, NEW JERSEY

DSGN SFM DR SFM Chk RMH
SUPV. CH ENGR
SUBMITTED BY R. HOROWITZ (ARCH) 8/3/83 DATE
FIRM MEMBER (TITLE)
NORTHDIV MD
DM MD
FPE DIR
APPROVED DATE
OFFICER IN CHARGE
APPROVED DATE
NORTHDIV FOR COMMANDER NAVFAC

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
NORTHERN DIVISION
NAVAL BASE PHILADELPHIA PA.

NAVAL EDUCATION TRAINING CENTER
COASTERS HARBOR ISLAND, NEWPORT, R.I.

REPAIRS ROOF, BUILDING 172

DETAILS

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.	
F	80091	2071748	A5
		CONSTR CONTR NO. N62472-83C-0271	
SCALE AS NOTED	SPEC. 04-83-0271	SHEET 5 OF 5	

NETC DWG. NO. 25589-252