FIGURES

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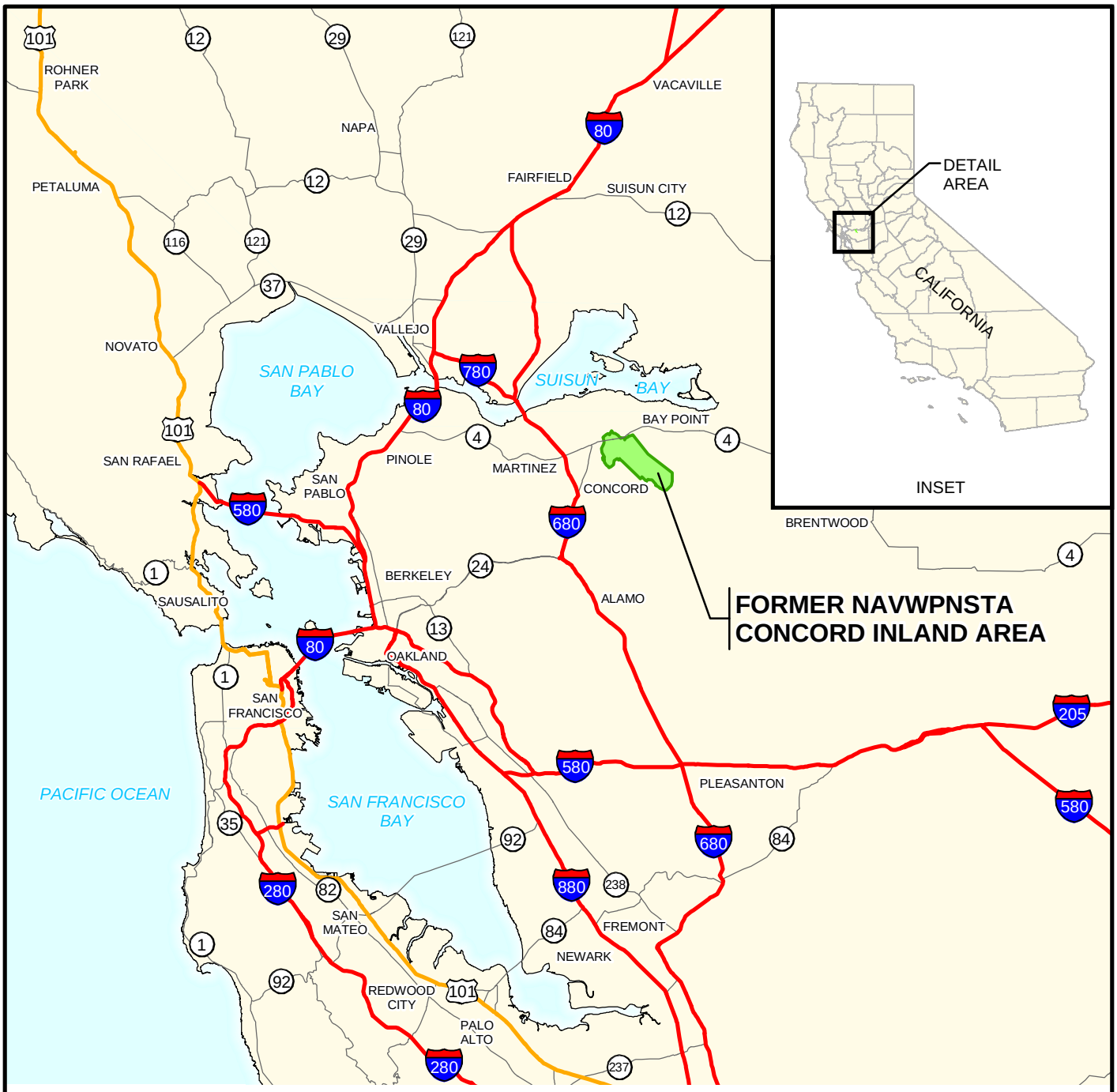


LEGEND

- STATE HIGHWAY
- US HIGHWAY
- INTERSTATE HIGHWAY
- FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY
- WATER

5 0 5 10 Miles

N

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

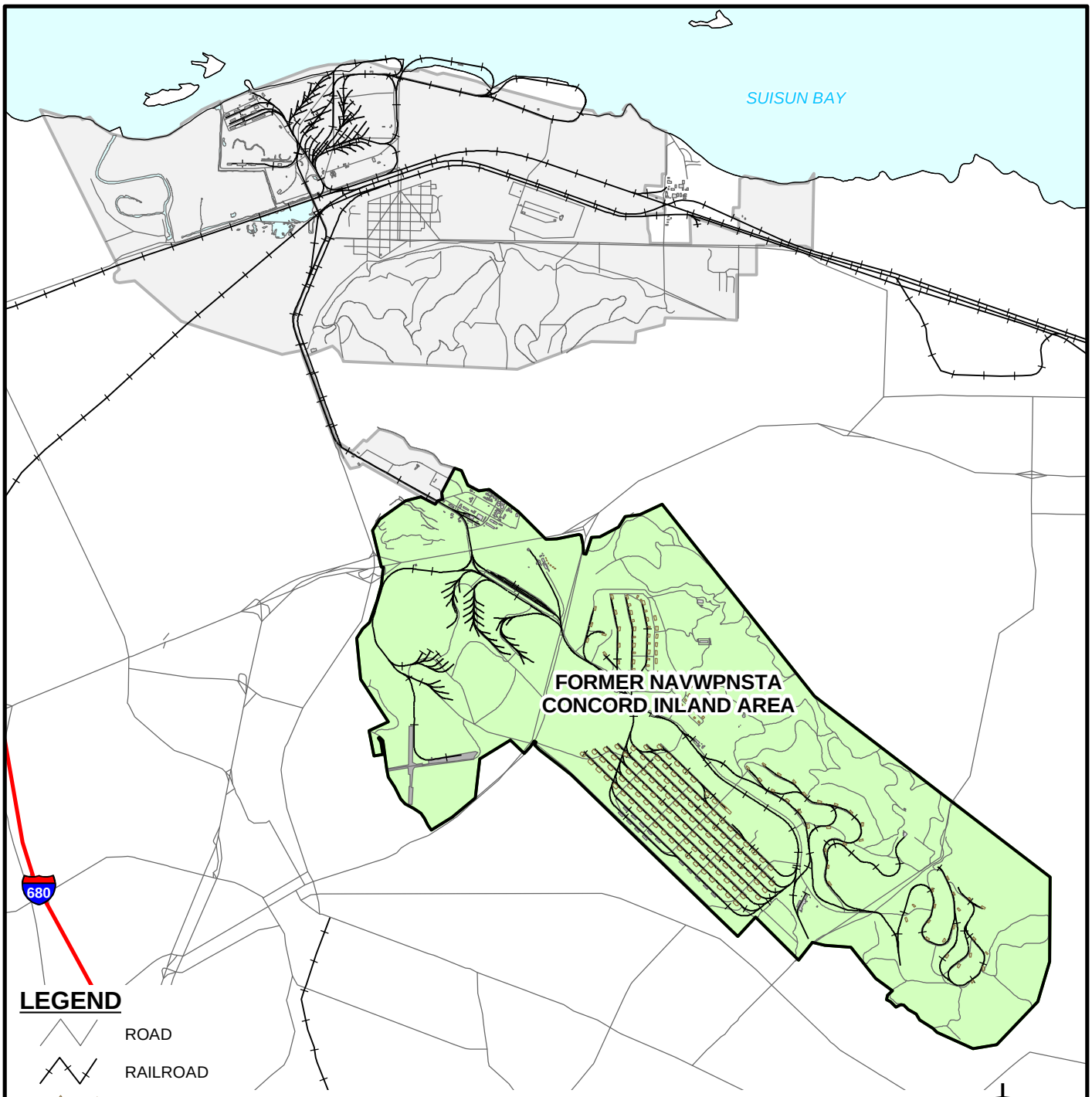
FIGURE 2-1

REGIONAL LOCATION MAP

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401R4528.mxd

TETRA TECH EC, INC.



LEGEND

- ROAD
- RAILROAD
- AMMUNITION MAGAZINE
- INTERSTATE HIGHWAY
- FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY
- CONCORD TIDAL AREA BOUNDARY
- RUNWAY
- WATER

NOTES:

A 115-ACRE SECTION OF THE NORTHWESTERN PART OF FORMER NAVWPNSTA CONCORD IS CURRENTLY AN ACTIVE U.S. DEPARTMENT OF THE ARMY INSTALLATION.

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 2-2

SITE LOCATION MAP

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401S4529.mxd

TETRA TECH EC, INC.

LEGEND

FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY

NOTE:

HISTORICAL IMAGERY IS PROVIDED FOR THE AREAS WHERE THE IMPACTED SITES ARE LOCATED. CURRENT IMAGERY (JUNE 15, 2006) IS PROVIDED AS REFERENCE.

N

1,500 0 1,500 3,000 Feet

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

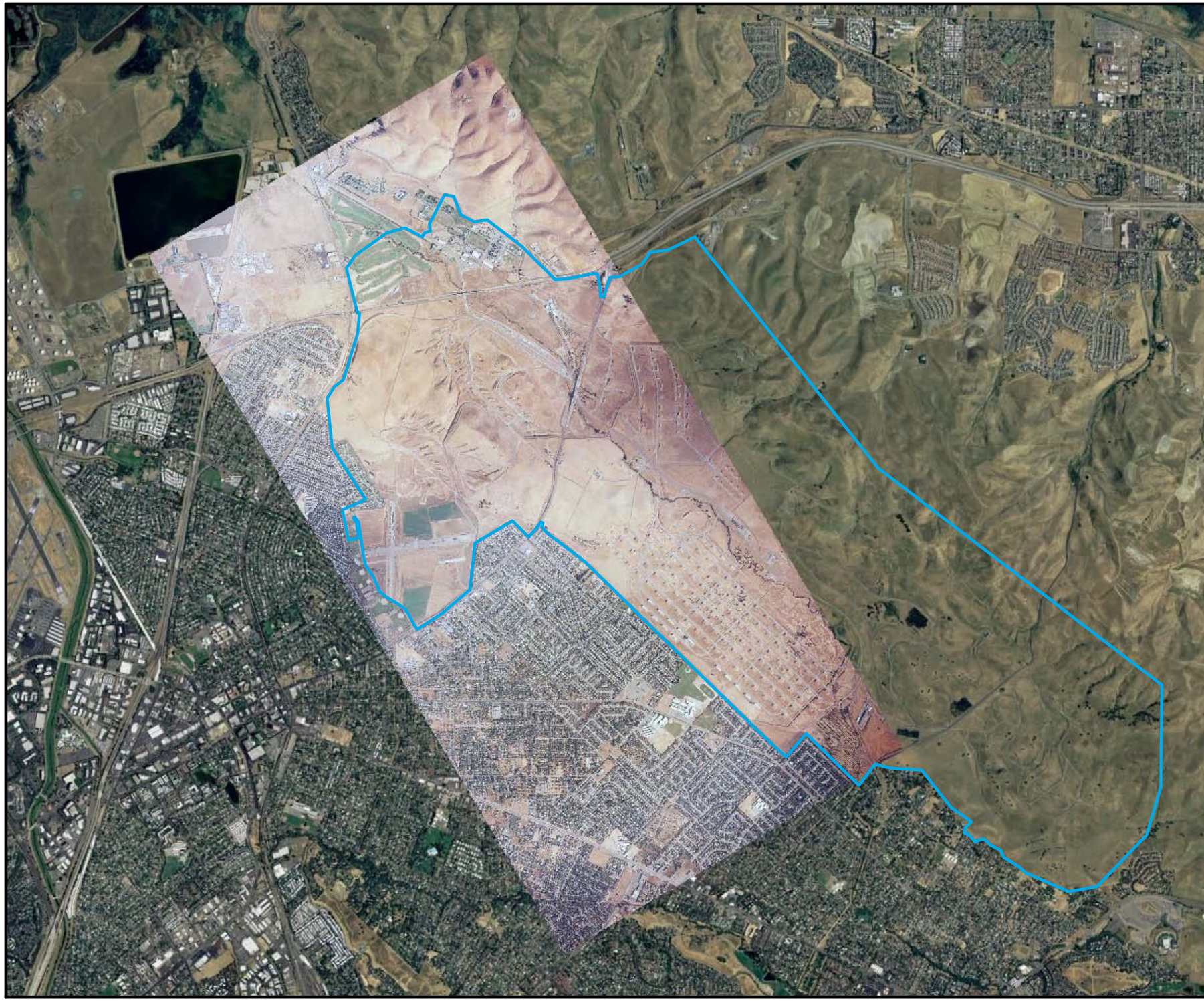
FIGURE 3-1

CONCORD AERIAL IMAGE 1946

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: RKH
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4530.mxd

TETRA TECH EC, INC.



LEGEND

FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY

NOTE:

HISTORICAL IMAGERY IS PROVIDED FOR THE AREAS WHERE THE IMPACTED SITES ARE LOCATED. CURRENT IMAGERY (JUNE 15, 2006) IS PROVIDED AS REFERENCE.

N

1,500 0 1,500 3,000
Feet

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

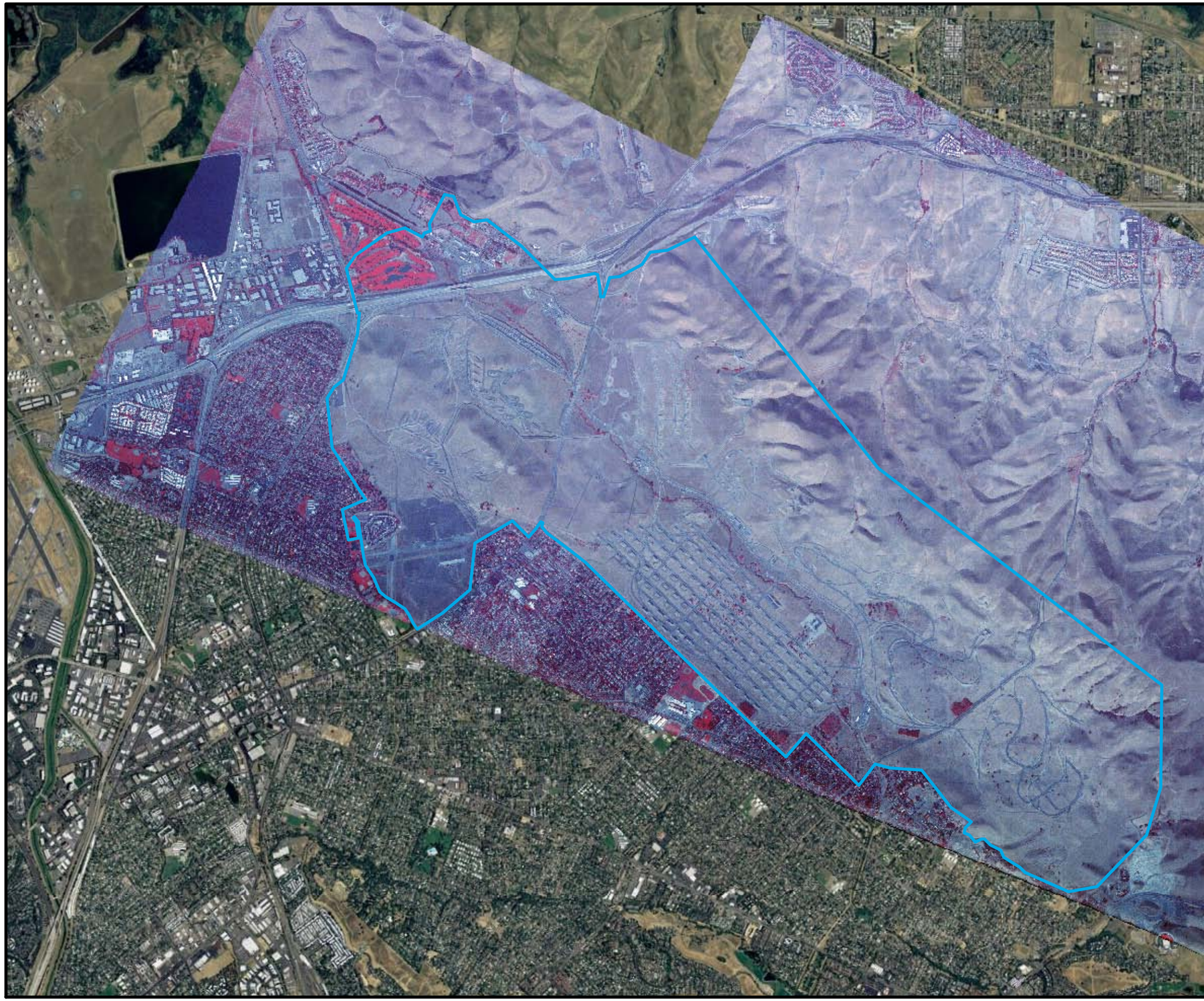
FIGURE 3-2

CONCORD AERIAL IMAGE 1973

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: RKH
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4531.mxd

TETRA TECH EC, INC.



LEGEND

FORMER NAVWPNSTA CONCORD
INLAND AREA BOUNDARY

N

1,500 0 1,500 3,000
Feet

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 3-3

CONCORD AERIAL IMAGE 1991

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: RKH
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4532.mxd

TETRA TECH EC, INC.

LEGEND

FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY

N

1,500 0 1,500 3,000 Feet

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

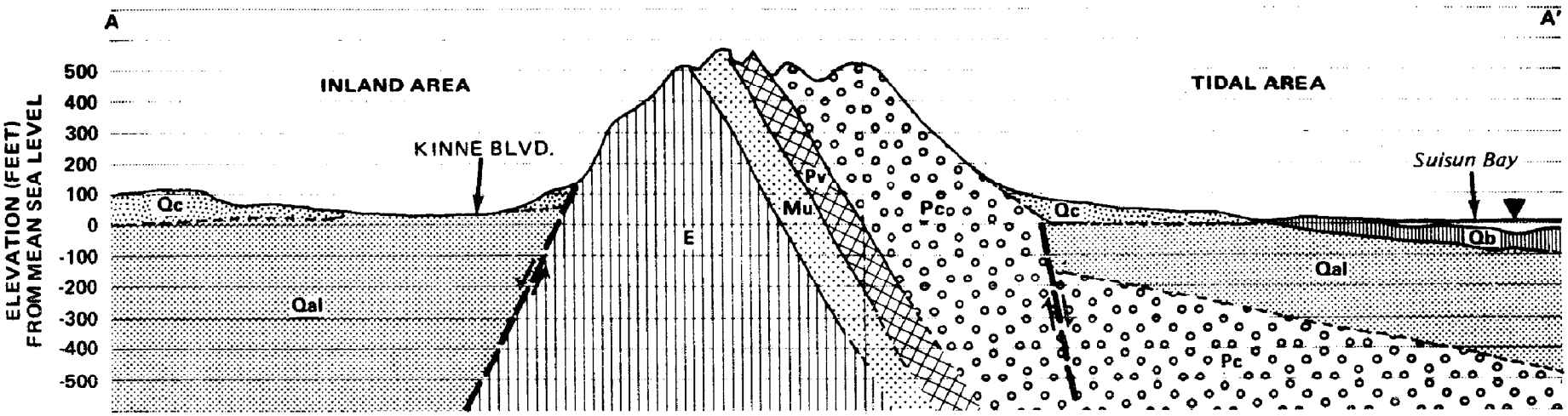
FIGURE 3-4

CONCORD AERIAL IMAGE 2006

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4533.mxd

TETRA TECH EC, INC.



VERTICAL EXAGGERATION = 5x

LEGEND

- Qb — Bay Mud
- Qal — Alluvium
- Qc — Terrace Deposits - Montezuma Formation
- Pc' — Volcanic Tuffs - Orinda Formation
- Pv — Volcanic Lavas - Moraga Formation
- Mu — Marine Conglomerates - San Pablo Group
- E — Undifferentiated Marine Sandstones and Shales

SOURCE:

ADAPTED FROM CONTRA COSTA COUNTY - GEOLOGIC MAP SHOWING MINES, QUARRIES, AND GAS WELLS, 1958, CALIFORNIA DIVISION OF MINES AND GEOLOGY.

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

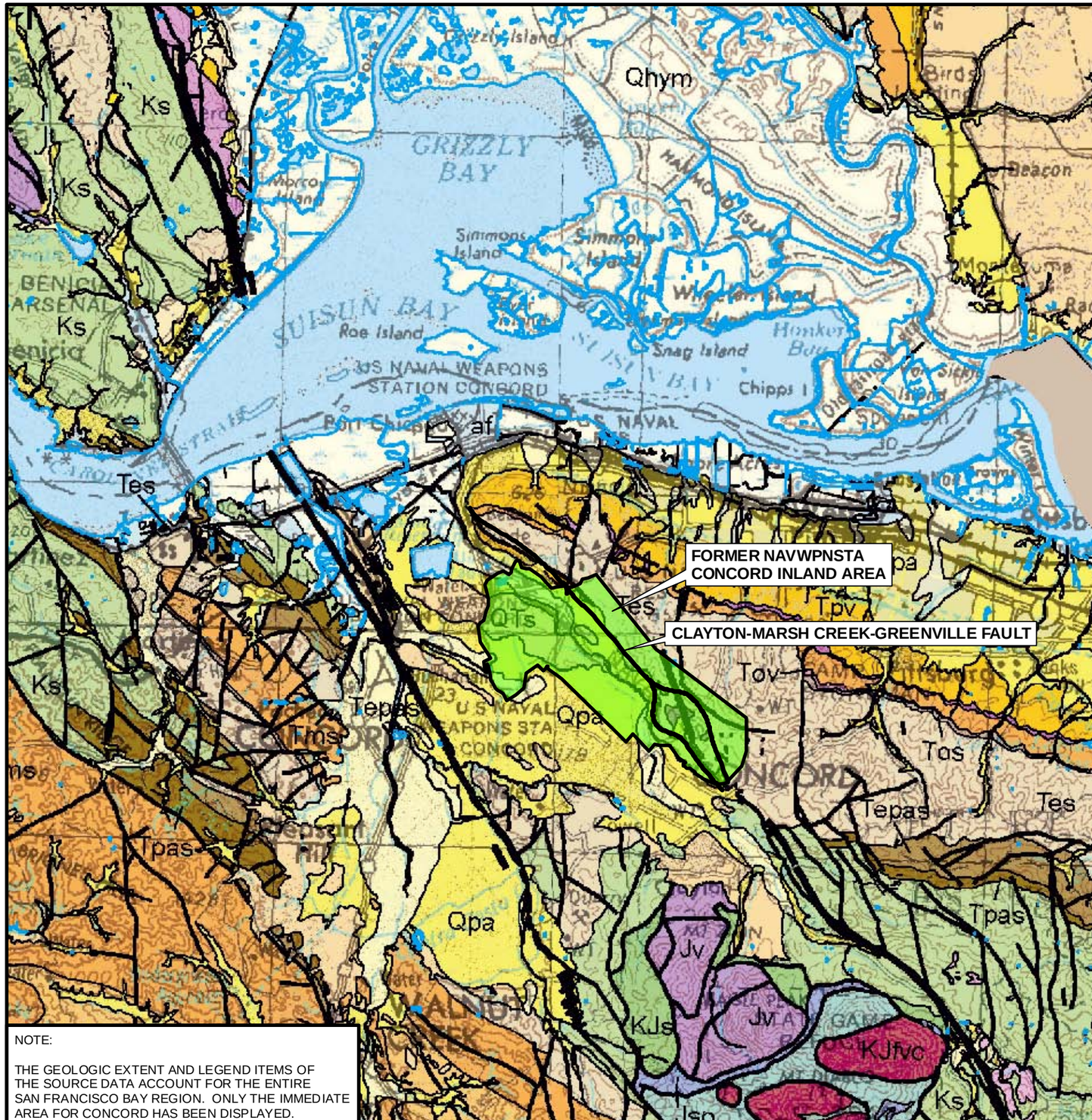
FIGURE 3-5

GEOLOGIC CROSS SECTION SHOWING MAJOR FORMATIONS

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4534.mxd

TETRA TECH EC, INC.



NOTE:

THE GEOLOGIC EXTENT AND LEGEND ITEMS OF THE SOURCE DATA ACCOUNT FOR THE ENTIRE SAN FRANCISCO BAY REGION. ONLY THE IMMEDIATE AREA FOR CONCORD HAS BEEN DISPLAYED.

LEGEND

SURFICIAL SEDIMENTS

af	Artificial Fill
Qhym	Mud deposits (late Holocene)
Qhy	Alluvium (late Holocene)
Qha	Alluvium (Holocene)
Qs	Beach and dune sand (Quaternary)
Qsl	Hillslope Deposits (Quaternary)
Qpa	Alluvium (Pleistocene)
Qt	Marine terrace deposits (Pleistocene)
Qoa	Alluvium (early Pleistocene)

OVERLYING ROCKS

QTs	Sediments (early Pleistocene and (or) Pliocene)
QTv	Volcanic rocks (early Pleistocene and (or) Pliocene)
Tps	Sedimentary rocks (Pliocene)
Tpv	Volcanic rocks (Pliocene)
Tpms	Sedimentary rocks (Pliocene and early Miocene)
Tpmv	Volcanic rocks (Pliocene and early Miocene)
Tms	Sedimentary rocks (Miocene)
Tmv	Volcanic rocks (Miocene)
Tmos	Sedimentary rocks (Miocene and (or) Oligocene)
Tmov	Volcanic rocks (Miocene and/or Oligocene)
Tmoes	Sedimentary rocks (Miocene, Oligocene, and (or) Eocene)
Tos	Sedimentary rocks (Oligocene)
Tov	Volcanic rocks (Oligocene)
Toes	Sedimentary rocks (Oligocene and (or) Eocene)
Tes	Sedimentary rocks (Eocene)
Tepas	Sedimentary rocks (Eocene and (or) Paleocene)
Tpas	Sedimentary rocks (Paleocene)
TKs	Sedimentary rocks (Paleocene and (or) Late Cretaceous)

BASEMENT COMPLEX ROCKS

TKfs	Franciscan Complex sedimentary rocks (Eocene, Paleocene, and (or) Late Cretaceous)
fsr	Franciscan Complex mélange (Eocen, Paleocent, and (or) Late Cretaceous)
TKfv	Franciscan Complex volcanic rocks (Paleocene and (or) Late Cretaceous)
Ks	Great Valley complex sedimentary rocks (Cretaceous)
Kfs	Franciscan Complex sedimentary rocks (Cretaceous)
Kfv	Franciscan Complex volcanic rocks (Cretaceous)
Kfm	Franciscan Complex metamorphic rocks (Cretaceous)
Kgr	Salinian complex plutonic (granite) rocks (Cretaceous)
KJs	Great Valley complex sedimentary rocks (Early Cretaceous and (or) Late Jurassic)
KJv	Franciscan or Great Valley complex volcanic rocks (Early Cretaceous and (or) Late Jurassic)
KJfs	Franciscan Complex sedimentary rocks (Early Cretaceous and (or) Late Jurassic)
KJfc	Franciscan Complex chert (Early Cretaceous and (or) Late Jurassic)
KJfv	Franciscan Complex volcanic rocks (Early Cretaceous and (or) Late Jurassic)
KJfm	Franciscan Complex metamorphic rocks (Early Cretaceous and (or) Late Jurassic)
KJfvc	Franciscan Complex volcanic rocks and chert (Early Cretaceous and (or) Late Jurassic)
KJfvs	Franciscan Complex volcanic and sedimentary rocks (Early Cretaceous and (or) Late Jurassic)
Jv	Great Valley complex volcanic rocks (Jurassic)
Ji	Great Valley complex plutonic rocks (Jurassic)
Jsp	Great Valley complex serpentinite (Jurassic)
Jfv	Franciscan Complex volcanic rocks (Jurassic)
Jhg	Salinian complex plutonic rocks (Jurassic)
MzPzm	Salinian complex metamorphic rocks (Mesozoic and (or) Paleozoic)

N

1 0 1 2 Miles

FAULT

FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY

WATER

SOURCE:

U.S. GEOLOGICAL SURVEY

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 3-6

CONTRA COSTA COUNTY GEOLOGIC MAP

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4535.mxd

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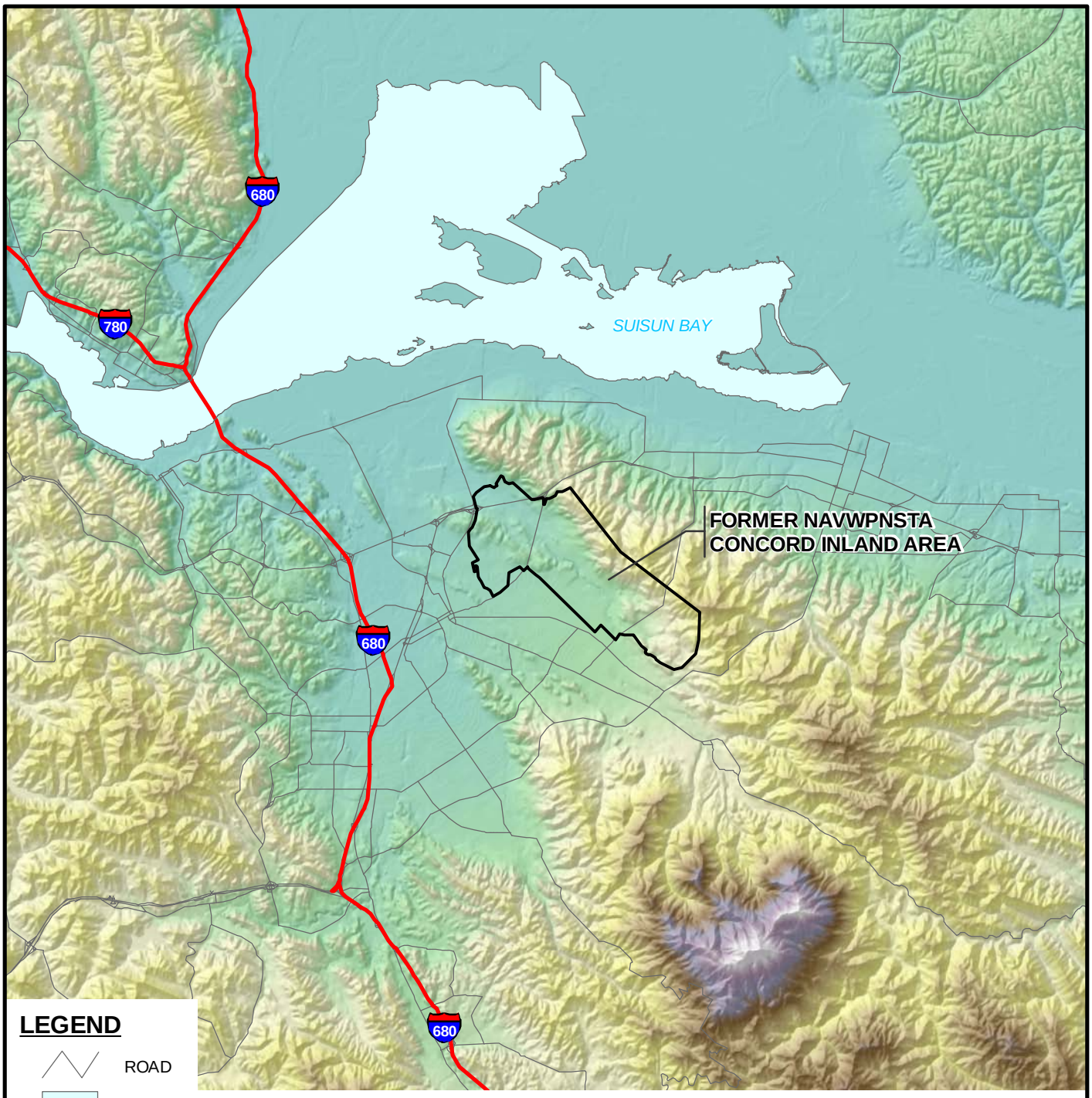


LEGEND

ROAD

WATER

FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY

680 INTERSTATE HIGHWAY

HIGH ELEVATION : 1000 FT

LOW ELEVATION : 0 FT

1.5 0 1.5 3 Miles

N

NOTES:

A 115-ACRE SECTION OF THE NORTHWESTERN PART OF FORMER NAVWPNSTA CONCORD IS CURRENTLY AN ACTIVE U.S. DEPARTMENT OF THE ARMY INSTALLATION.

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

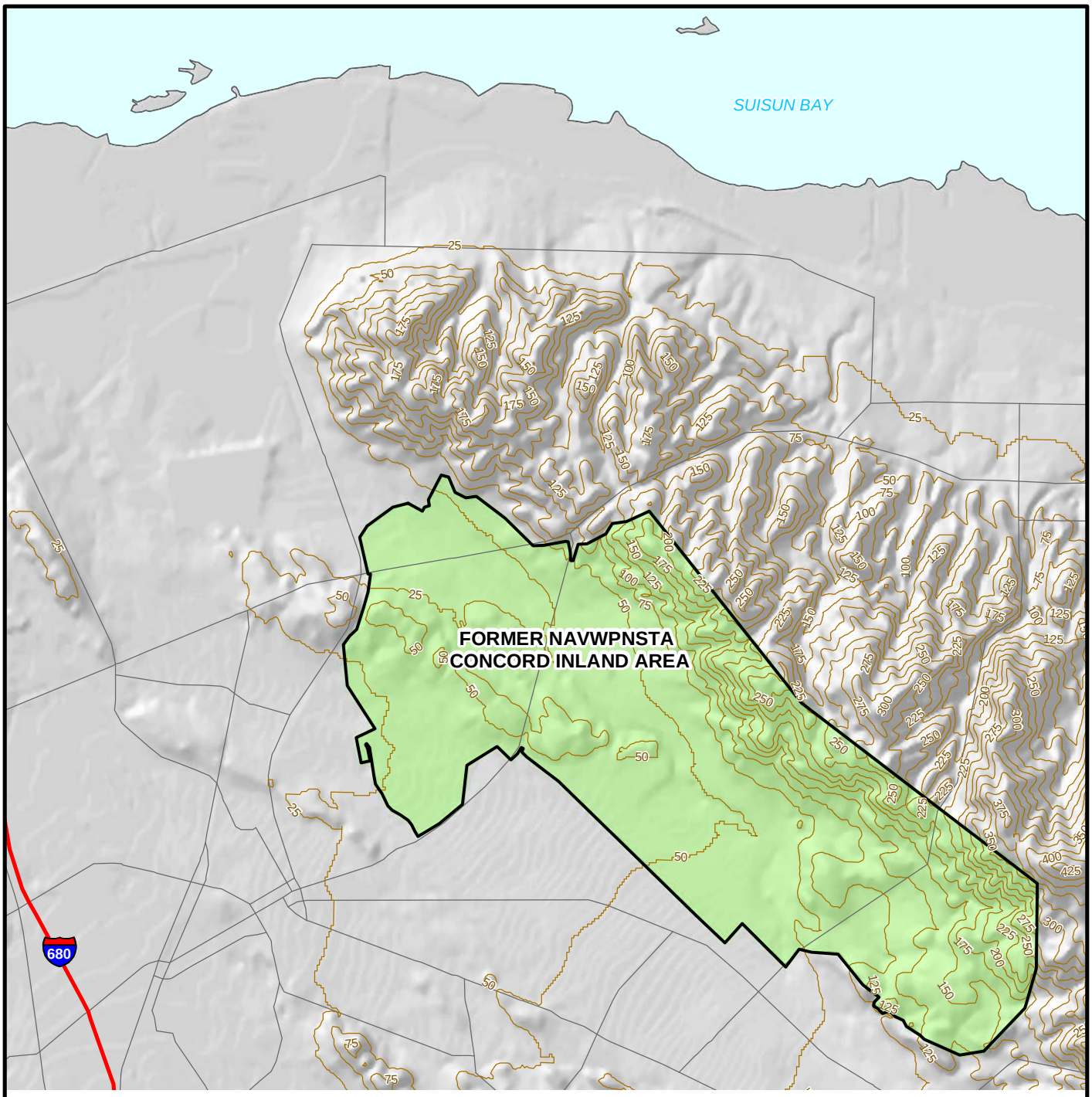
FIGURE 3-7

CONTRA COSTA COUNTY ELEVATION MAP

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4536.mxd

TETRA TECH EC, INC.



LEGEND

- CONTOUR AND ELEVATION (25-FOOT INTERVAL)
- ROAD
- INTERSTATE HIGHWAY
- FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY
- WATER

N

0.5 0 0.5 1 Miles

NOTES:

A 115-ACRE SECTION OF THE NORTHWESTERN PART OF FORMER NAVWPNSTA CONCORD IS CURRENTLY AN ACTIVE U.S. DEPARTMENT OF THE ARMY INSTALLATION.

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

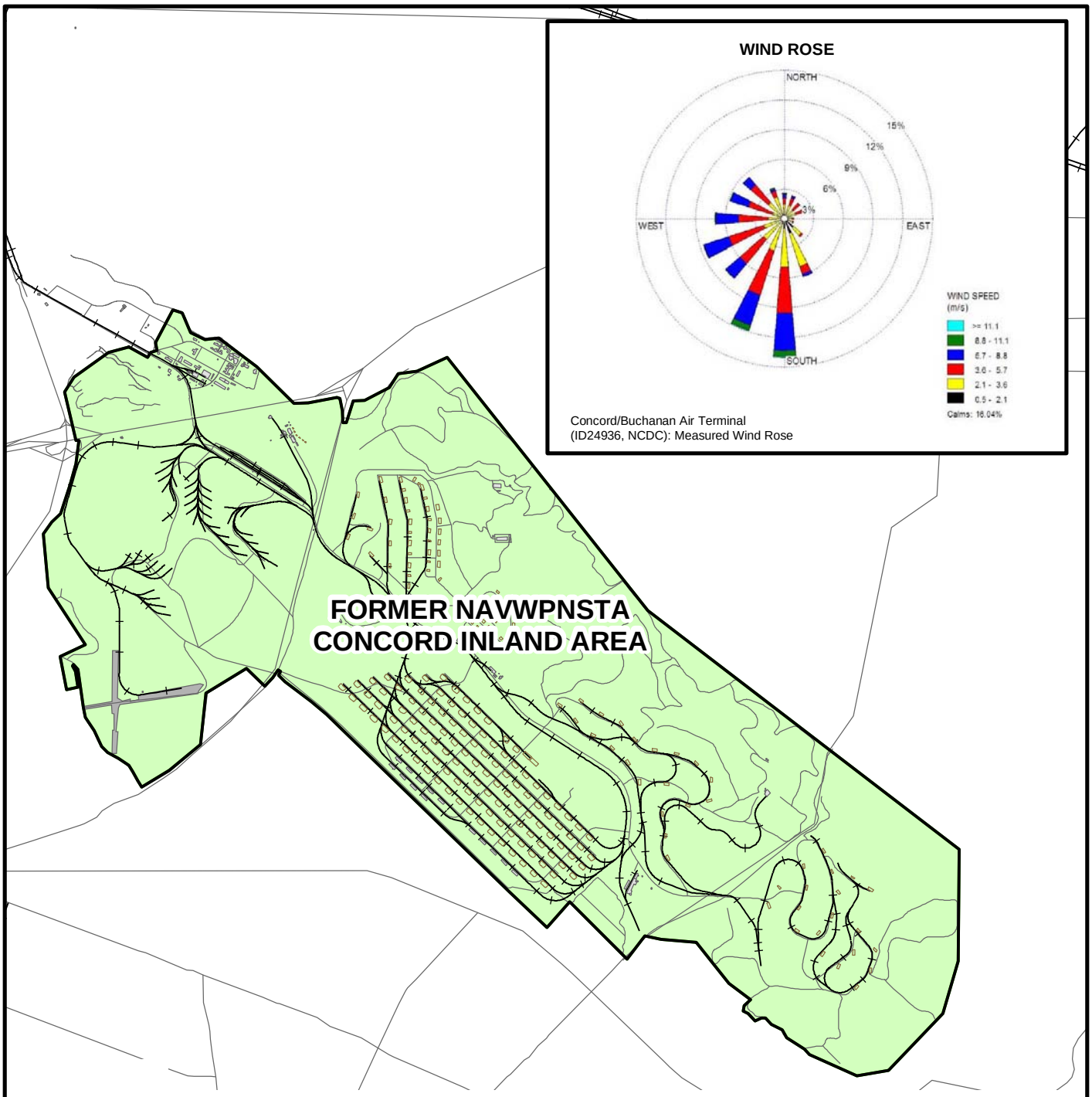
FIGURE 3-8

FORMER NAVWPNSTA CONCORD TOPOGRAPHIC MAP

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4537.mxd

TETRA TECH EC, INC.



LEGEND

- ROAD
- RAILROAD
- AMMUNITION MAGAZINE
- RUNWAY
- FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY

N

2,000 0 2,000 4,000 Feet

NOTES:

A 115-ACRE SECTION OF THE NORTHWESTERN PART OF FORMER NAVWPNSTA CONCORD IS CURRENTLY AN ACTIVE U.S. DEPARTMENT OF THE ARMY INSTALLATION.

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 4-1

HISTORICAL RADIOLOGICAL ASSESSMENT - PHYSICAL BOUNDARY

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4538.mxd

TETRA TECH EC, INC.

LEGEND

- ROAD
- AMMUNITION MAGAZINE
- FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY
- BUILDING
- RUNWAY

50 0 50 100 Feet

N

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

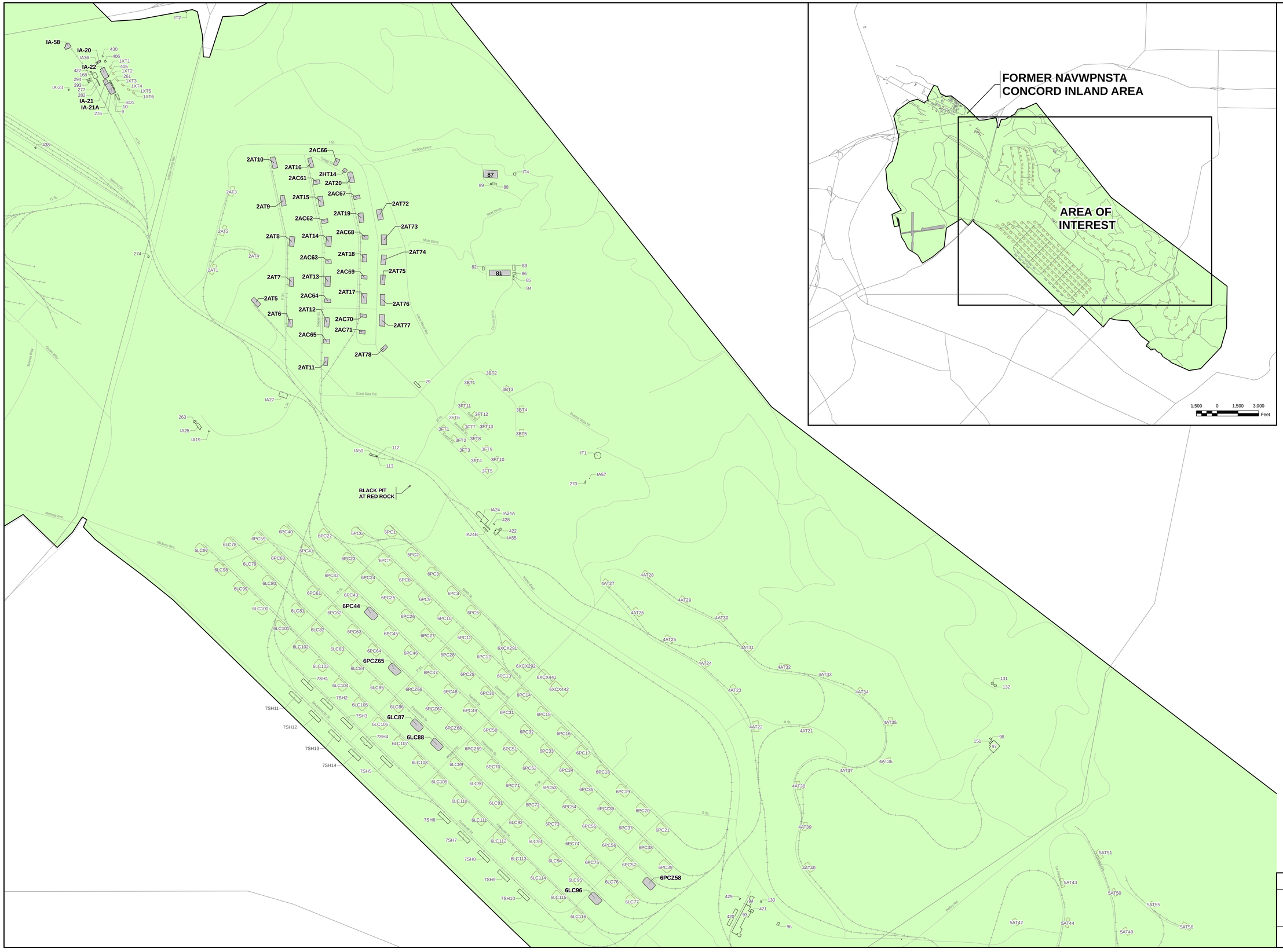
FIGURE 6-1

BLACK PIT AT RED ROCK

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: C
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4539.mxd

TETRA TECH EC, INC.



LEGEND

- ROAD
- RAILROAD
- FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY
- 81 IMPACTED SITE
- 6PC1 AMMUNITION MAGAZINE
- 83 BUILDING

NOTES:

A 115-ACRE SECTION OF THE NORTHWESTERN PART OF NAVWPNSTA CONCORD INLAND AREA IS CURRENTLY AN ACTIVE U.S. DEPARTMENT OF THE ARMY INSTALLATION.

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-1

IMPACTED SITES

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: C
AUTHOR: RKH
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4540.mxd

TETRA TECH EC, INC.

LEGEND

- ROAD
- RAILROAD
- AMMUNITION MAGAZINE
- FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY
- BUILDING
- RUNWAY

N

50 0 50 100 Feet

NOTE:

ONLY THE SITES CALLED OUT IN SECTION 8.0 ARE CONSIDERED IMPACTED FOR THE PURPOSE OF THIS HISTORICAL RADIOLOGICAL ASSESSMENT.

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

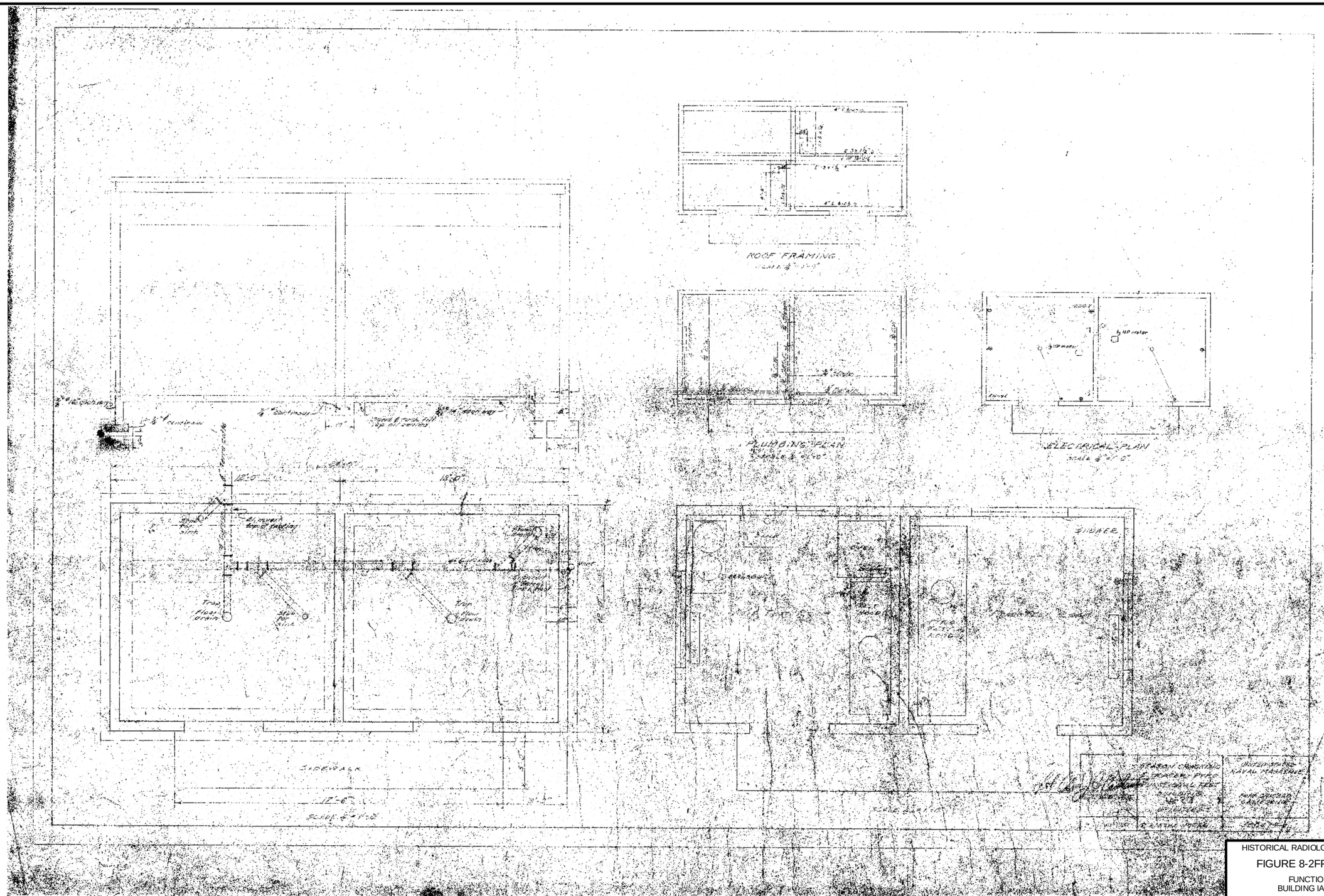
FIGURE 8-2

BUILDINGS IA-20, IA-21, IA-21A, AND IA-22

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4541.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

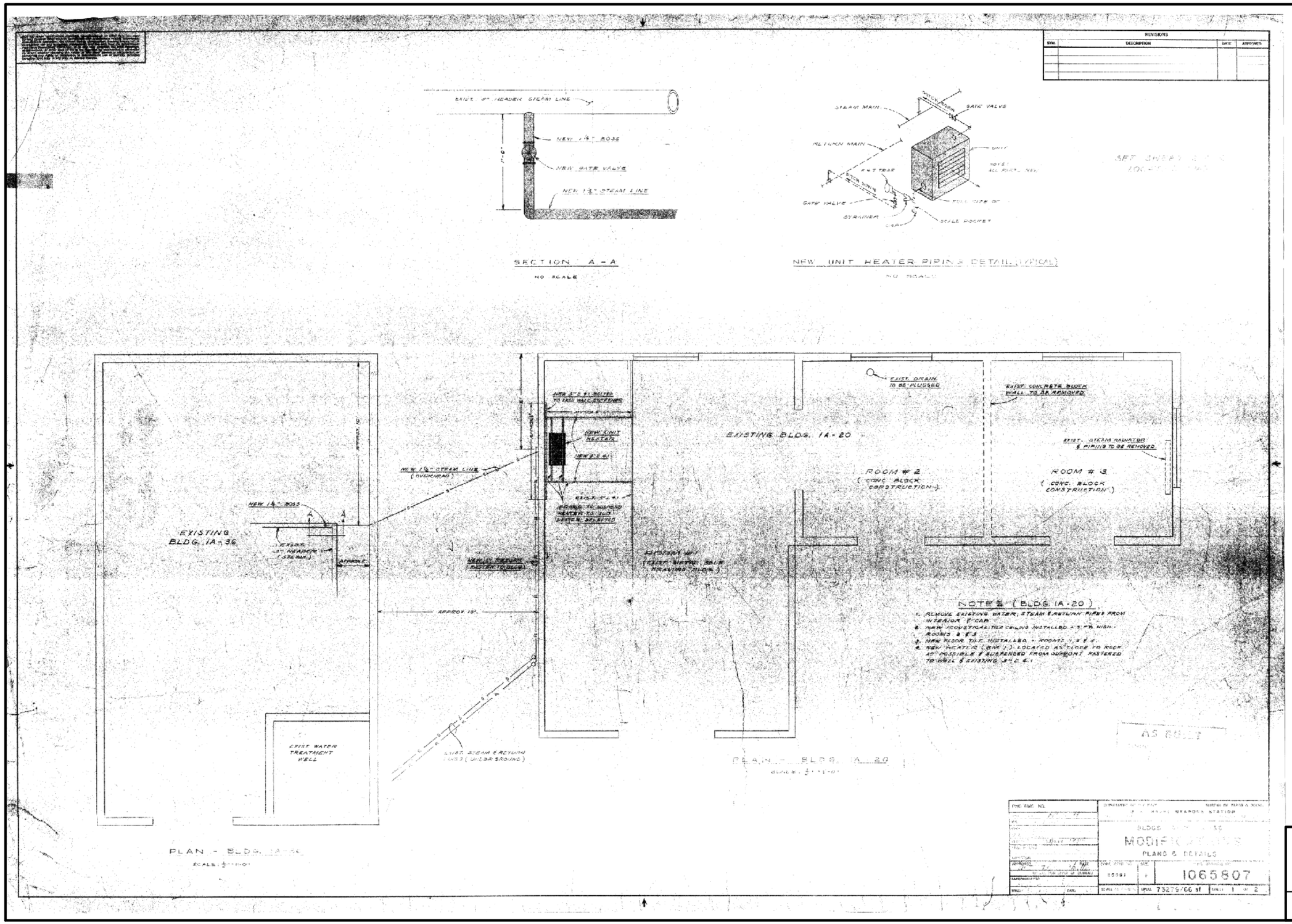
FIGURE 8-2FP BLDG IA-20a

FUNCTIONAL TEST
BUILDING IA-20 UTILITIES

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: RKH
DCN: ECSD-3211-0005-0004
FILE NUMBER: 0904011L4542.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

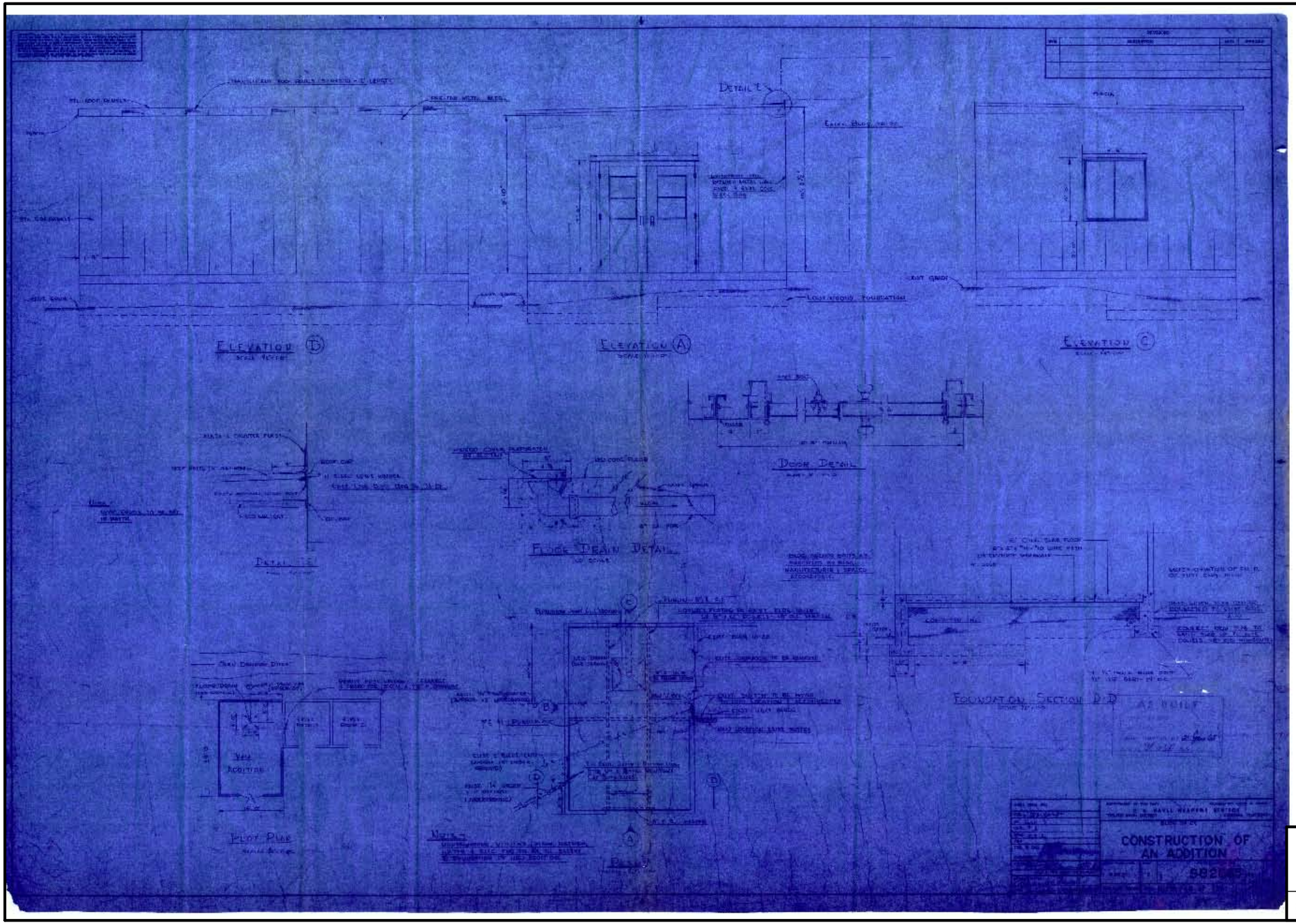
FIGURE 8-2FP BLDG IA-20b

IA-20 A-36 MODIFICATIONS PLANS AND DETAILS
SHEET 1 OF 2

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4543.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

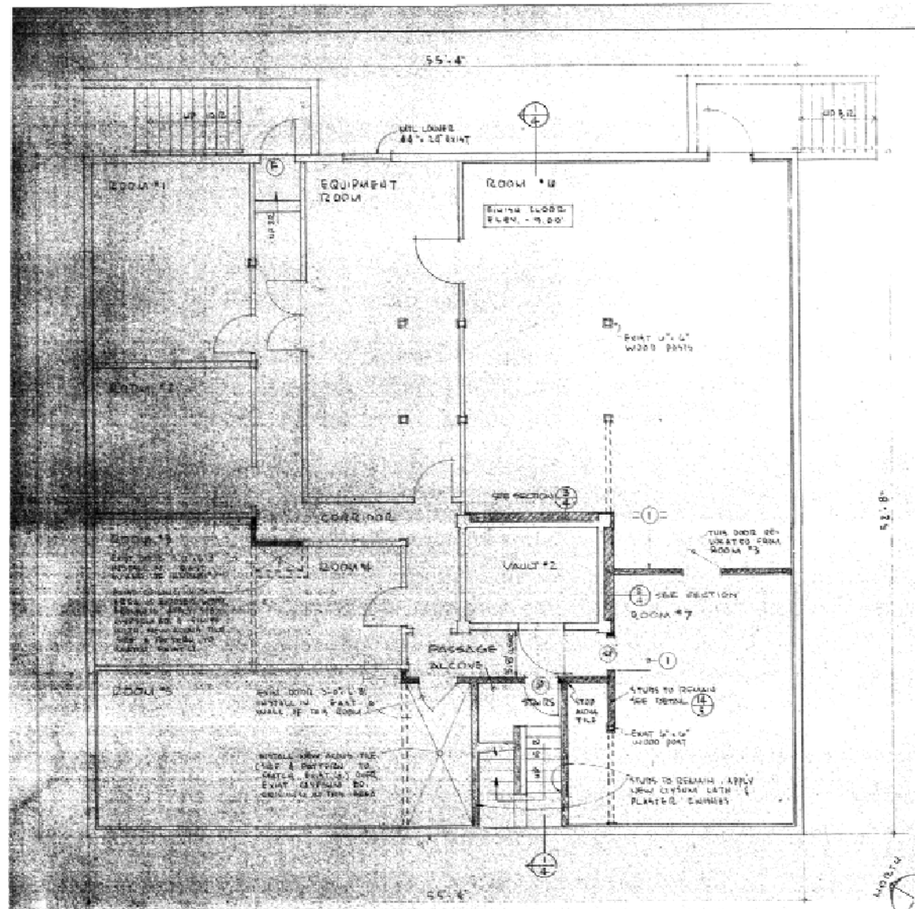
FIGURE 8-2FP BLDG IA-20c

IA-20 CONSTRUCTION OF AN ADDITION

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DON: ECSD-32 11-0005-0004
FILE NUMBER: 090401L4544.mxd

TETRA TECH

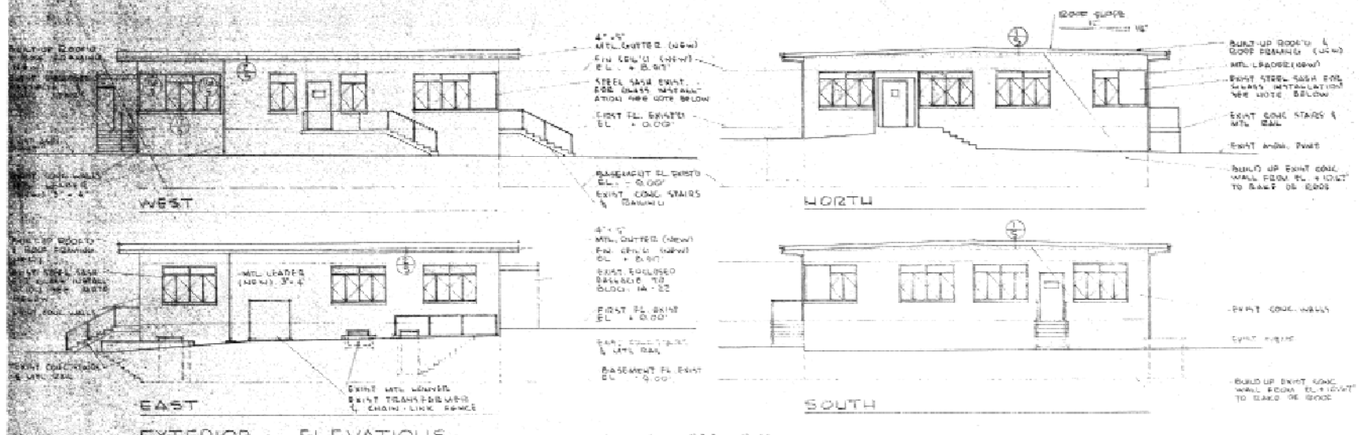


SCHEDULE OF FINISHES

ROOM	EXISTING FINISHES: FLOOR	BASE	WALL	CEILING	NEW WORK REQUIRED
ROOMS #1 & #2	ASPH. TILE	RUBBER TILE	GYPSUM BD CONCRETE	ACOUS. TILE SUSPENDED	CLEAN & WAX ASPH. TILE FLOORING. REMOVE LOOSE ACOUS. TILE UNITS, APPLY NEW ADHESIVE & SECURELY REINSTALL THE UNITS TO EXIST'G GYPSUM BD. BACKING. SET UNITS FLUSH & LEVEL WITH ADJACENT TILE. CLEAN & PAINT ALL ACOUS. TILE UNITS.
ROOMS #3 & #4	ASPH. TILE	RUBBER TILE	GYPSUM OR CONCRETE	ACOUS. TILE SUSPENDED	CLEAN & WAX ASPH. TILE FLOORING. WHERE WALL REMOVALS OCCUR, PATCH FLOOR, WALL & CEILING SURFACES WITH NEW MATERIALS SIMILAR TO EXIST'G. PAINT ALL EXIST. & NEW ACOUS. TILE UNITS.
ROOM #5	ASPH. TILE	WOOD	GYPSUM BD.	ACOUS. TILE KANE FIBRE	CLEAN & WAX ASPH. TILE FLOORING. REMOVE LOOSE ACOUS. TILE UNITS. REPLACE UNITS OR MISSING TO EXIST'G. FURRING STRIPS. SET UNITS FLUSH & LEVEL WITH ADJACENT TILE. CLEAN & PAINT ALL ACOUS. TILE UNITS. WHERE WALL REMOVALS OCCUR, PATCH FLOOR, WALL & CEILING SURFACES WITH NEW MATERIALS SIMILAR TO EXIST'G.
ROOM #6 & #7	ASPH. TILE	WOOD	GYPSUM BD WITH ACOUS. TILE CEMENTED TO UPPER HALF	ACOUS. TILE KANE FIBRE	CLEAN & WAX ASPH. TILE FLOORING. REPLACE DAMAGED ASPH. TILE WITH NEW TILE SIMILAR TO EXIST'G. CLEAN & PAINT EXIST'G. ACOUS. TILE UNITS. FOR ELEVATIONS OF NEW WALL SURFACES SEE 1 & D DRWGS. "TABLE 2" PATCH FLOORS, WALL & CEILING SURFACES WITH NEW MATERIALS SIMILAR TO EXIST'G. INSTALL NEW ACOUS. TILE ON UPPER HALF OF NEW WALLS, SIZE & PATTERN TO MATCH EXIST'G.
CORRIDOR	ASPH. TILE	WOOD	GYPSUM BD	WOOD FRAMING EXPOSED	CLEAN & WAX ASPH. TILE FLOORING.
PASSAGE	ASPH. TILE	WOOD	GYPSUM BD CONCRETE	GYPSUM BD	CLEAN & WAX ASPH. TILE FLOORING.
STAIRS & ALCOVE	WOOD ASPH. TILE	WOOD	PLASTER	PLASTER	SEE INTERIOR ELEVATIONS 1 & 3 DRWG "TABLE 2" CLEAN & WAX ASPH. TILE FLOORING (ALCOVE) INSTALL NEW ASPH. TILE & VTL. NOSINGS ON STAIR TREADS & LANDINGS
EQUIPMENT RM. & VAULT #2	NO WORK REQUIRED				

LEGEND

- EXIST'G CONCRETE WALLS
- EXIST'G WOOD STUD & GYPSUM BD WALLS
- REMOVE EXIST'G WALLS (WOOD STUD & GYPSUM BD)
- NEW WALLS (WOOD STUD & 1/2" GYPSUM BD EXCEPT STAIR & ALCOVE WALLS TO BE GYPSUM LATH & PLASTER ON STAIRWELL SIDE & 5/8" GYPSUM BD. ON OTHER SIDE)



NOTE: SHADED AREAS OF STEEL SASH INDICATE GLASS IS UNAVAILABLE. ALL OTHER SASH UNITS CONTAIN BROKEN GLASS WHICH SHALL BE REPLACED WITH NEW CLEAR GLASS EXCEPT IN EAST WALL OF CHEMISTS & ELECTRONICS ENGINEERS OFFICES WHICH REQUIRE CLEAR, WIRE GLASS.

BEAND DRAWING

GRAPHIC SCALES

SATISFACTORY TO

DATE TITLE

SUBMITTED BY NISHKIAN & MINTON

SIGNATURE AND TITLE

DATE

SYMBOL	DESCRIPTION	DATE	APPROVAL
	REVISIONS		

ARCHITECT'S JOB No.

ARCHITECT'S DWG. No.

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE — 12TH ND SAN BRUNO, CAL
NISHKIAN & MINTON, ARCHITECTS & ENGINEERS
1690 SANSOME ST., SAN FRANCISCO, CALIF.

DESIGN BY J. KUMUSGR
DRAWN BY
CHECKED BY J. MINTON

NAVAL AMMUNITION DEPOT
CONCORD CALIFORNIA
REHABILITATION OF QUALITY EVALUATION LABORATORY OFFICE. BUILDING 1A-21

BASEMENT PLAN, FINISH SCHEDULE EXTERIOR ELEVATIONS.

DPWO DRAWING No. B- 58477

APPROVED — RESIDENT OFFICER IN CHARGE (A.&E. CONTRACTS) — DATE

APPROVED FOR BUREAU OF YARDS & DOCKS

FOR DPWO

HEAD OF BUREAU

DATE

SCALE AS SHOWN SPEC. 29200 60

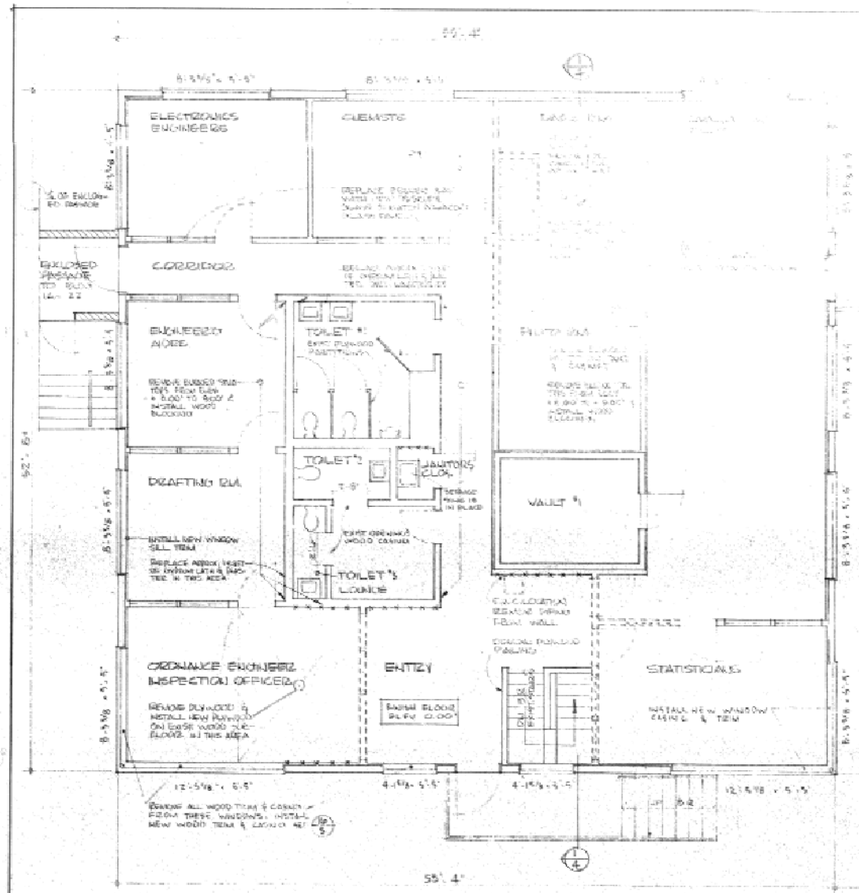
SHEET 2 OF 10 NBy 29200

V&D DRAWING No. 7606627

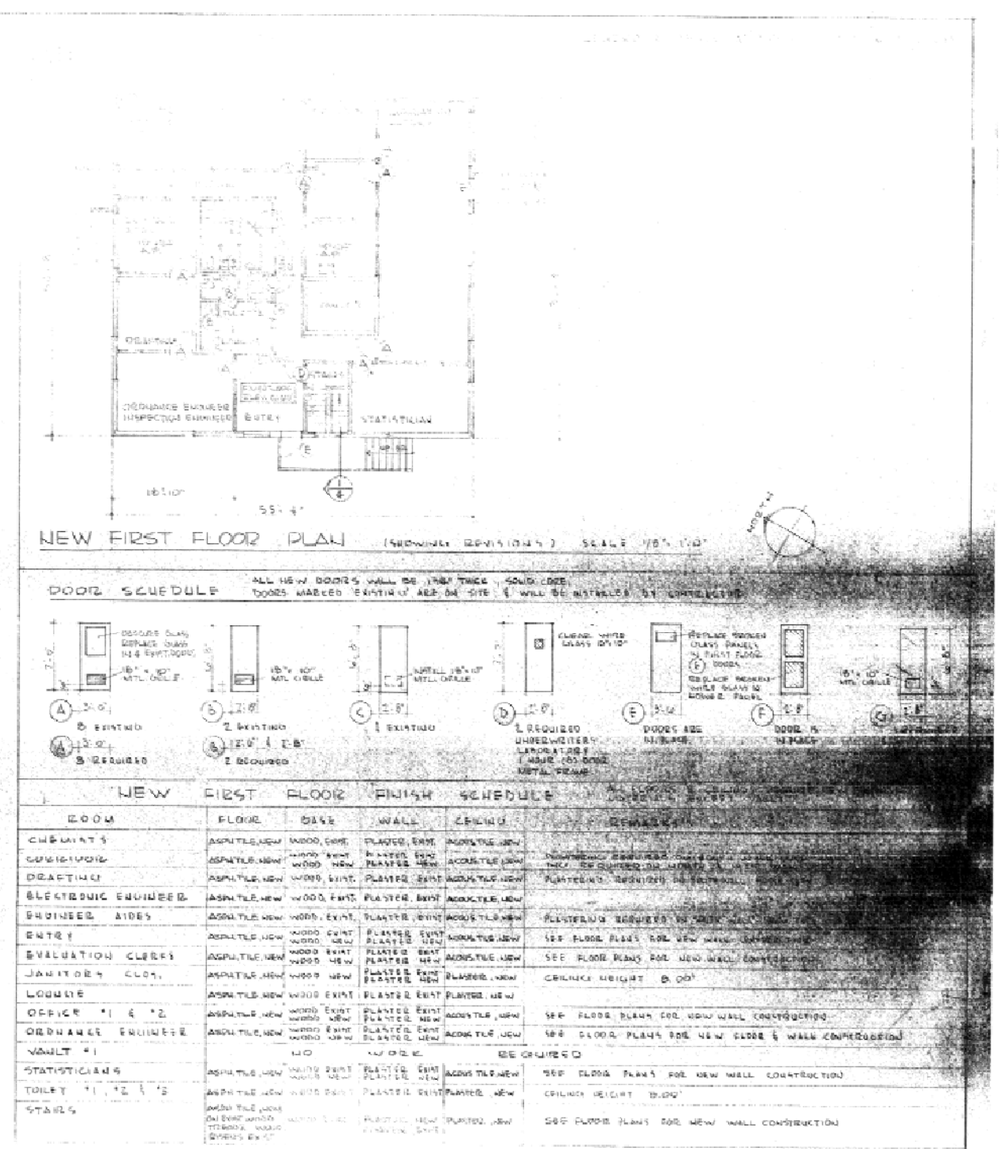
HISTORICAL RADIOLOGICAL ASSESSMENT
FIGURE 8-2FP BLDG IA-21a
REHABILITATION OF QUALITY EVALUATION LAB OFFICE BUILDING IA-21 - BASEMENT PLAN FINISH SCHEDULE EXTERIOR ELEVATIONS
FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 0904011L4545.mxd

TETRA TECH EC, INC.



EXISTING FIRST FLOOR PLAN (SHOWING REMOVALS & REPLACEMENTS) SCALE 1/8" = 1'-0"



NEW FIRST FLOOR PLAN (SHOWING REVISIONS) SCALE 1/8" = 1'-0"

LEGEND & ABBREVIATIONS :

- EXISTING CONCRETE WALLS
- EXISTING WOOD STUD & PLASTER WALLS
- EXISTING OBSCURE GLASS PANELS 42" WIDE
- REMOVE PLASTER & GYPSUM LATH FROM FLOOR TO CEILING & REPLACE WITH NEW PLASTER & GYPSUM LATH, IN ORDNANCE ENGINEERS OFFICE ALSO REPLACE WALL STRIPPING
- REMOVE EXISTING WALLS (WOOD STUD, GYPSUM LATH PLASTER & GLASS PANELS)
- NEW WALLS TO BE INSTALLED (WOOD STUDS, GYPSUM LATH, PLASTER & GLASS PANELS)
- DOORS WHICH HAVE BEEN REMOVED (FROM ORDNANCE ENGINEER'S OFFICE) REMAIN ON THE LANDING. SEE DOOR SCHEDULE FOR EXISTING DOORS WHICH ARE ON SITE

A.P. ACCESS PANEL IN CEILING
W.C. WATER CLOSET
E.W.C. ELECTRIC WATER COOLER
DETAIL NUMBER
SHEET NUMBER
(A) DOOR SCHEDULE NUMBER (EXISTING)
(B) DOOR SCHEDULE NUMBER (NEW)

GENERAL NOTES :

[illegible]

REPAIR PLASTER WALLS & CEILING [illegible]

REMOVE ASPHALT TILE FLOORING [illegible]

THE TOILET FIXTURES & SINKS [illegible] CONTRACTOR. THE TOILET FIXTURES [illegible] FURNISHED & INSTALLED BY THE [illegible]

STEEL SASH REPLACEMENT [illegible] GLASS REPLACEMENT IN STEEL [illegible] MENT IN INTERIOR WALLS AS SHOWN [illegible] DOOR SCHEDULE ABOVE

ALL WINDOW VENTS REQUIRE NEW [illegible] ATTACHING OPENERS FOR THE [illegible]

DOOR SCHEDULE

ALL NEW DOORS WILL BE 1 HR FIRE SOLID CORE. DOORS MARKED "EXISTING" ARE ON SITE & WILL BE INSTALLED AS COMPLETED

NEW FIRST FLOOR FINISH SCHEDULE

ROOM	FLOOR	BASE	WALL	CEILING	REMARKS
CHEMISTS	ASPHALT TILE, NEW	WOOD, EXIST.	PLASTER, EXIST.	ACOUSTIC, NEW	
CORRIDORS	ASPHALT TILE, NEW	WOOD, EXIST. WOOD, NEW	PLASTER, EXIST. PLASTER, NEW	ACOUSTIC, NEW	[illegible]
DRAFTING	ASPHALT TILE, NEW	WOOD, EXIST.	PLASTER, EXIST.	ACOUSTIC, NEW	PLASTERING REQUIRED ON WALL
ELECTRONIC ENGINEER	ASPHALT TILE, NEW	WOOD, EXIST.	PLASTER, EXIST.	ACOUSTIC, NEW	
ENGINEER AIDES	ASPHALT TILE, NEW	WOOD, EXIST.	PLASTER, EXIST.	ACOUSTIC, NEW	PLASTERING REQUIRED ON WALL
ENTRY	ASPHALT TILE, NEW	WOOD, EXIST. WOOD, NEW	PLASTER, EXIST. PLASTER, NEW	ACOUSTIC, NEW	SEE FLOOR PLANS FOR NEW WALL CONSTRUCTION
EVALUATION CLERKS	ASPHALT TILE, NEW	WOOD, EXIST. WOOD, NEW	PLASTER, EXIST. PLASTER, NEW	ACOUSTIC, NEW	SEE FLOOR PLANS FOR NEW WALL CONSTRUCTION
JANITOR'S CLOS.	ASPHALT TILE, NEW	WOOD, NEW	PLASTER, EXIST. PLASTER, NEW	PLASTER, NEW	CEILING HEIGHT 8'-00"
LOUNGE	ASPHALT TILE, NEW	WOOD, EXIST.	PLASTER, EXIST.	PLASTER, NEW	
OFFICE #1 & #2	ASPHALT TILE, NEW	WOOD, EXIST. WOOD, NEW	PLASTER, EXIST. PLASTER, NEW	ACOUSTIC, NEW	SEE FLOOR PLANS FOR NEW WALL CONSTRUCTION
ORDNANCE ENGINEER	ASPHALT TILE, NEW	WOOD, EXIST. WOOD, NEW	PLASTER, EXIST. PLASTER, NEW	ACOUSTIC, NEW	SEE FLOOR PLANS FOR NEW FLOOR & WALL CONSTRUCTION
VAULT #1	NO WORK REQUIRED				
STATISTICIANS	ASPHALT TILE, NEW	WOOD, EXIST. WOOD, NEW	PLASTER, EXIST. PLASTER, NEW	ACOUSTIC, NEW	SEE FLOOR PLANS FOR NEW WALL CONSTRUCTION
TOILET #1, #2 & #3	ASPHALT TILE, NEW (ASPHALT TILE NEW ON EXIST. WOOD TERRAZZO, WOOD QUARRY EXIST.)	WOOD, EXIST.	PLASTER, EXIST.	PLASTER, NEW	CEILING HEIGHT 8'-00"
STAIRS	[illegible]	WOOD, EXIST.	PLASTER, NEW EXIST.	PLASTER, NEW	SEE FLOOR PLANS FOR NEW WALL CONSTRUCTION

DATE	APPROVAL

DEPARTMENT OF NAVY & DOWN TOWN NO SAN BRUNO, CAL. CIVIL ENGINEERS

SIGNATURE AND TITLE

DATE

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-2FP BLDG IA-21b

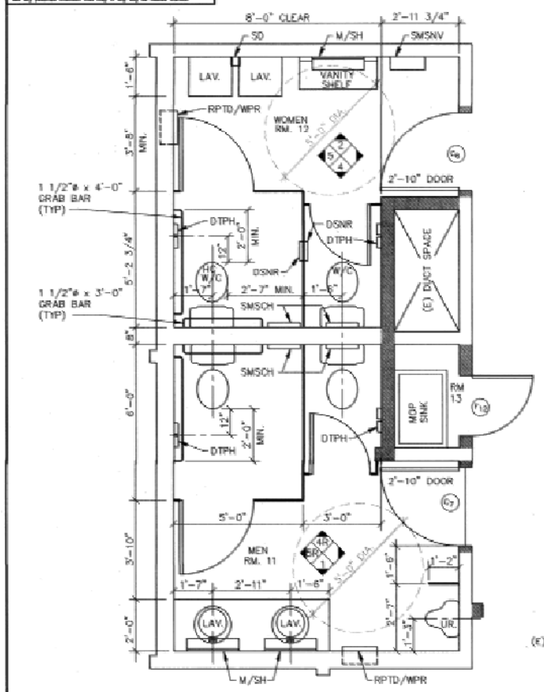
REHABILITATION OF QUALITY EVALUATION LAB OFFICE BUILDING IA-21 - FIRST FLOOR PLAN AND SCHEDULES

FORMER NAVWPNSTA CONCORD, CALIFORNIA

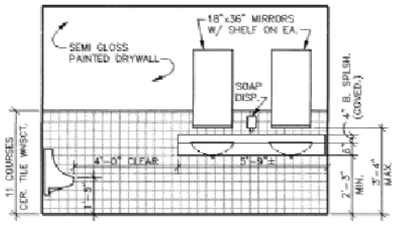
REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4546.mxd

TETRA TECH EC, INC.

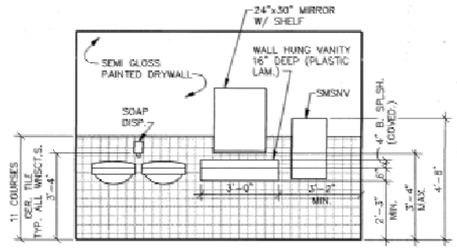
NOTE: When blueprint drawings, specifications, or other data are used for any purpose other than in connection with a definite Naval Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication, or otherwise, as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.



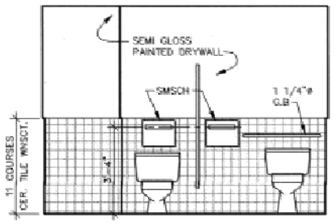
3 ENLARGED PLAN
A-3 A-3 SCALE: 1/2" = 1'-0"



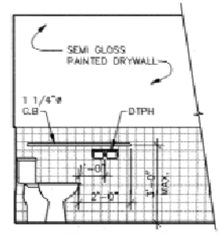
1 MEN'S TOILET RM. NO. 11 ELEVATION
A-3 A-3 SCALE: 1/2" = 1'-0"



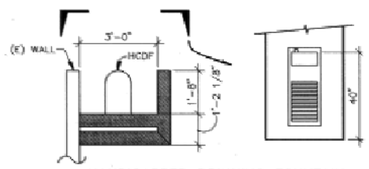
2 WOMEN'S TOILET RM. NO. 12 ELEVATION
A-3 A-3 SCALE: 1/2" = 1'-0"



4 WOMEN'S TOILET RM. NO. 12 ELEVATION
A-3 A-3 MEN'S TOILET RM. NO. 11 ELEVATION 3R
(SAME AS WOMEN'S TOILET RM. EXCEPT REVERSED)
SCALE: 1/2" = 1'-0"



5 TYP. SIDE VIEW OF WATER CLOSET
(SHOWING GRAB BAR & TOILET PAPER HOLDER)
A-3 A-3 SCALE: 1/2" = 1'-0"



HANDICAPPED DRINKING FOUNTAIN
PLAN AND ELEVATION
A-3 A-3 SCALE: 1/2" = 1'-0"

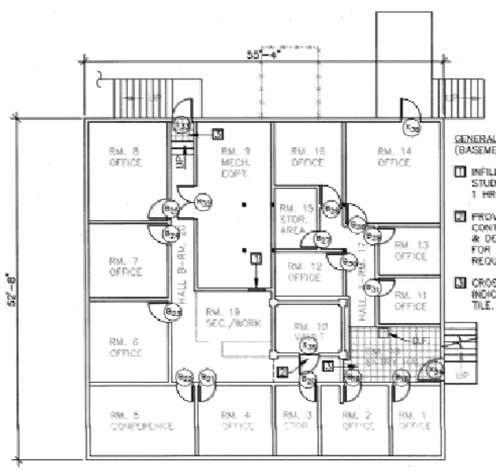
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED

FINISH SCHEDULE – BLDG. 21(NW) BASEMENT

NO.	ROOM NAME	FLOOR	BASE	WALL	CEILING	REMARKS
		CARPET CONCRETE VCT	WOOD CONCRETE	PAINTED-SMOOTH (C) W. WOOD PANELING CERAMIC TILE CONC. (CERTIFIED)	ACOUSTICAL TILE PAINTED-SMOOTH (C) W. CONCRETE (WATER-REPELLENT)	1. ALL WALLS ARE (E): PATCH, REPAIR & PAINT AS NECESSARY. SEE NOTE 4 2. ALL CEILINGS SHALL BE: NEW: —ACOUSTICAL: TILE REPAIR: —HARD SURFACE: PATCH/REPAIR & PAINT 3. ALL (E) CARPET REMOVE FOR INST. OF (N) CARPET 4. ACOUSTICAL TILE ON WALLS OF OFFICES & ROOMS. AROUND CORRIDORS SHALL BE REMOVED & WALLS SHALL BE PATCHED AND REPAINTED. ● =(E)&(N) SURFACES TO BE PAINTED, OR (N) MATERIAL ADDED.
1	OFFICE	●	●	●	●	●
2	OFFICE	●	●	●	●	●
3	STORAGE	○	●	●	●	●
4	OFFICE	●	●	●	●	●
5	CONFERENCE	●	●	○	●	●
6	OFFICE	●	●	●	●	●
7	OFFICE	●	●	●	●	●
8	OFFICE	●	●	●	●	●
9	MECH EQM'T	○	●	○	○	●
10	VAULT	○	○	○	○	●
11	OFFICE	●	●	●	●	●
12	OFFICE	●	●	●	●	●
13	OFFICE	●	●	●	●	●
14	OFFICE	●	●	●	●	●
15	STORAGE	○	●	●	●	●
16	OFFICE	●	●	●	●	●
17	HALL A	●	●	●	●	●/●
18	ENTRY HALL	○	●	●	●	●/●
19	SEC/WORK AREA	●	●	●	●	●
20	HALL B	○	●	●	●	V VCT ON STEPS & LANDING @ ENT. DOOR

FINISH SCHEDULE – FIRST FLOOR

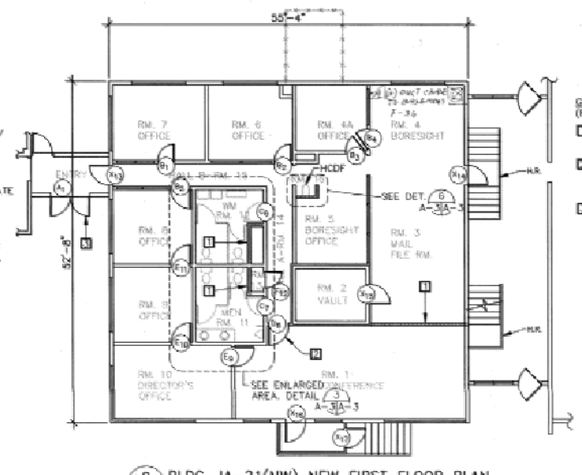
NO.	ROOM NAME	FLOOR	BASE	WALL	CEILING	REMARKS
		CARPET (N)(W) VINYL TILE CONCRETE	WOOD VINYL TILE CONCRETE	(E) HARD SURF.-SMOOTH WOOD PANELING CERAMIC TILE GYPSUM DRY WALL WAINSCOT (2' HIGH) GYPSUM DRY WALL (SHAFT WALLS)	ACOUSTICAL TILE GYPSUM DRY WALL CONCRETE	● EXISTING CEILING HEIGHTS 8'-10 1/2" TO 8'-11 1/2" SHALL BE MAINTAINED BY INSTALLATION OF OF NEW ACOUSTICAL TILE ON (E) SPLINES. REPLACE & REPAIR THESE SPLINES AS REQUIRED. ● =(E)&(N) SURFACES TO BE PAINTED, OR (N) MATERIAL ADDED.
1	CONFERENCE	●	●	○	●	●
2	VAULT	●	●	●	●	● NO WORK INSIDE VAULT
3	MAIL/FILE ROOM	●	●	●	●	●
4	BORESIGHT	●	●	●	●	●
4A	OFFICE	●	●	●	●	●
5	BORESIGHT OFFICE	●	●	●	●	●
6	OFFICE	●	●	●	●	●
7	OFFICE	●	●	●	●	●
8	OFFICE	●	●	●	●	●
9	OFFICE	●	●	○	●	●
10	DIRECTOR'S OFF.	●	●	●	●	●
11	MEN'S TOILET	●	●	●	●	●
12	WOMEN'S TOILET	●	●	●	●	●
13	MOP ROOM	●	●	●	●	●
14	HALL A	●	●	●	●	●
15	HALL B	●	●	●	●	●
16	H.C./ELV. RECESS	●	●	●	●	●



GENERAL NOTES
(BASEMENT LEVEL)

1. INFILL (E) DOOR OPENING W/ STUDS & DRYWALL TO FORM 1 HR. F.R. WALL
2. PROVIDE (E) VAULT DOOR CONTRACT OFFICE WILL LOCATE & DELIVER TO CONTRACTOR FOR INSTALLATION UPON REQUEST.
3. CROSS HATCH FLOOR AREAS INDICATE COMPOSITION VINYL TILE.

7 BLDG. IA-21(NW) NEW BASEMENT FLOOR PLAN
A-3 A-3 SCALE: 1/8" = 1'-0"



GENERAL NOTES
(FIRST FLOOR LEVEL)

1. PROVIDE 1 HR. STUDWALL W/ 5/8 D.W. ON BOTH SIDES
2. PROVIDE WALL & NEW DOOR TO ENLARGED CONFERENCE ROOM NO. 1
3. PROVIDE (N) PAIR OF 3'-0"x6'-8" H.M. STEEL DOORS & FRAMES. CUT NEW OPENING IN CMU WALL TO ACCOMODATE NEW DOUBLE DOORS.

8 BLDG. IA-21(NW) NEW FIRST FLOOR PLAN
A-3 A-3 SCALE: 1/8" = 1'-0"

NOTE:

1. FIRE EXTINGUISHERS SHALL BE TEMPORARILY REMOVED WHILE REHABILITATION WORK IS TAKING PLACE. RE-INSTALL FIRE EXTINGUISHERS AT THEIR FORMER LOCATIONS AFTER REHABILITATION WORK HAS BEEN COMPLETED.

LEGEND:

EXISTING WALLS
NEW WALLS

IF SHEET IS LESS THAN
28" X 40"
IT IS A REDUCED PRINT–
SCALE REDUCED ACCORDINGLY

GRAPHIC SCALE

1/8" = 1'-0" 0" 2' 6' 14' 24'
1/2" = 1'-0" 0" 1' 2' 3' 4' 6'

SAI ENGINEERS, INC.
299 Santa Ana Court, Sunnyvale, Ca 94086
SAI Project No. 93116 DATE: 10/27/94

PWD DWG. NO.
DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
NAVAL WEAPONS STATION
CONCORD, CALIFORNIA
REHABILITATION OF BLDGS. IA-21 & IA-22
BLDG. IA-21(NW)
FLOOR PLAN
CODE IDENT NO. 80091 SIZE F NAVFac DRAWING NO. 6412657
SCALE AS SHOWN SPEC. 13-56-8004 SHEET 4 OF 61

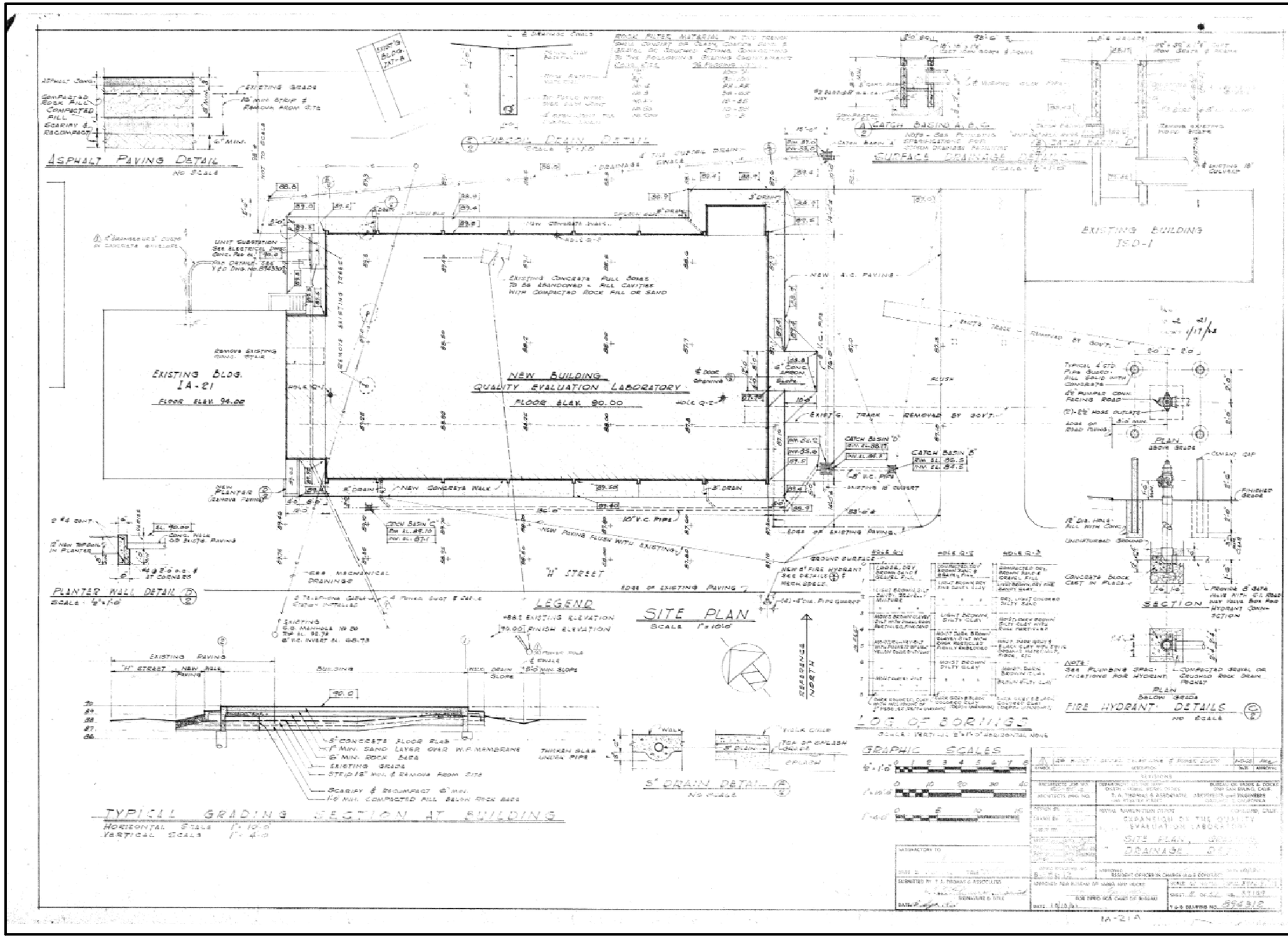
A-3

HISTORICAL RADIOLOGICAL ASSESSMENT
FIGURE 8-2FP BLDG IA-21c
REHABILITATION OF BUILDINGS IA-21 AND IA-22
BUILDING IA-21 (NW) FLOOR PLAN
FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 0904011L4547.mxd

TETRA TECH EC, INC.

18A001 12/08/94 at 12:44



HISTORICAL RADIOLOGICAL ASSESSMENT

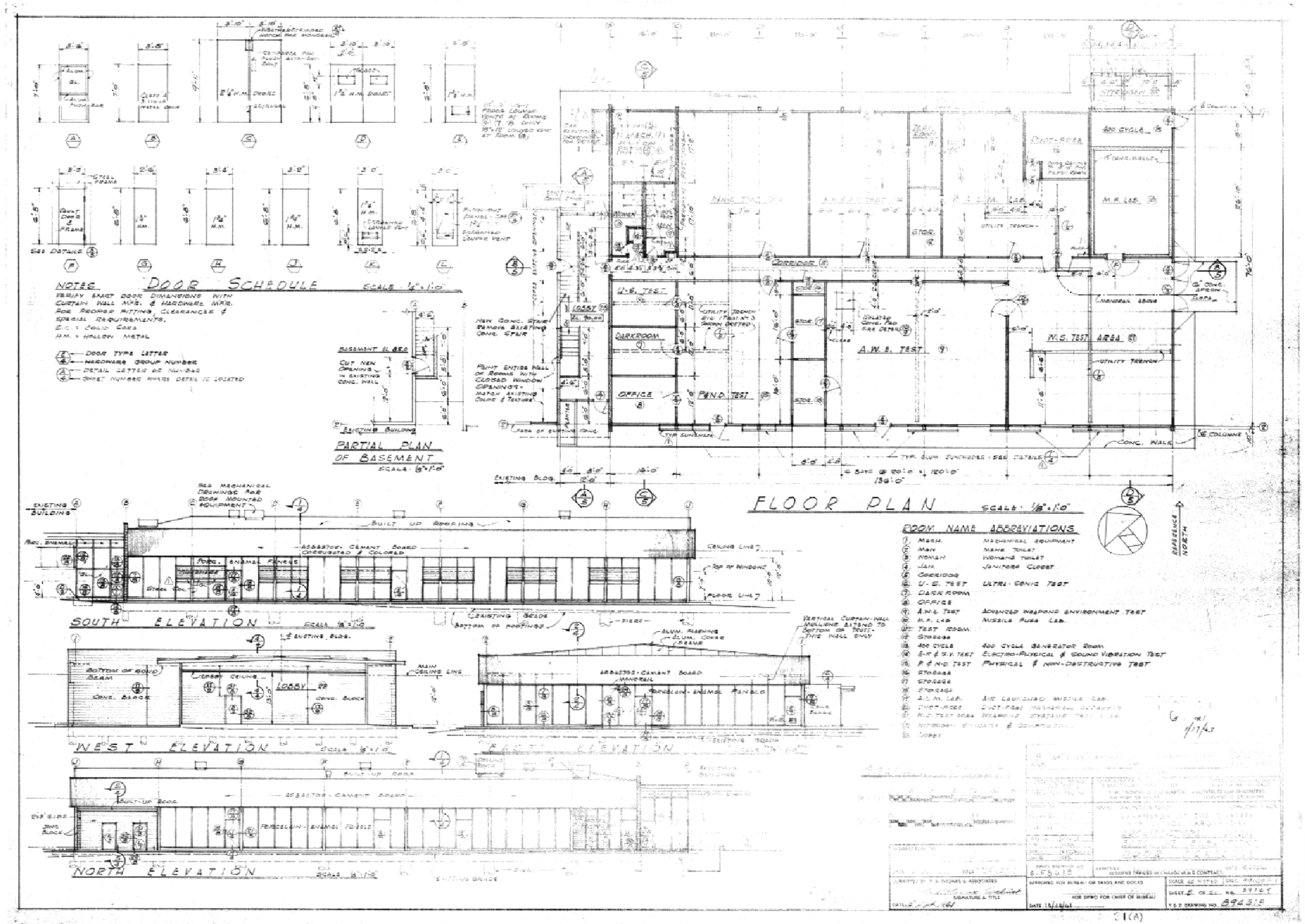
FIGURE 8-2FP BLDG IA-21Aa

EXPANSION OF THE QUALITY EVALUATION LAB
SITE PLAN GRADING DRAINAGE DETAILS

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4548.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

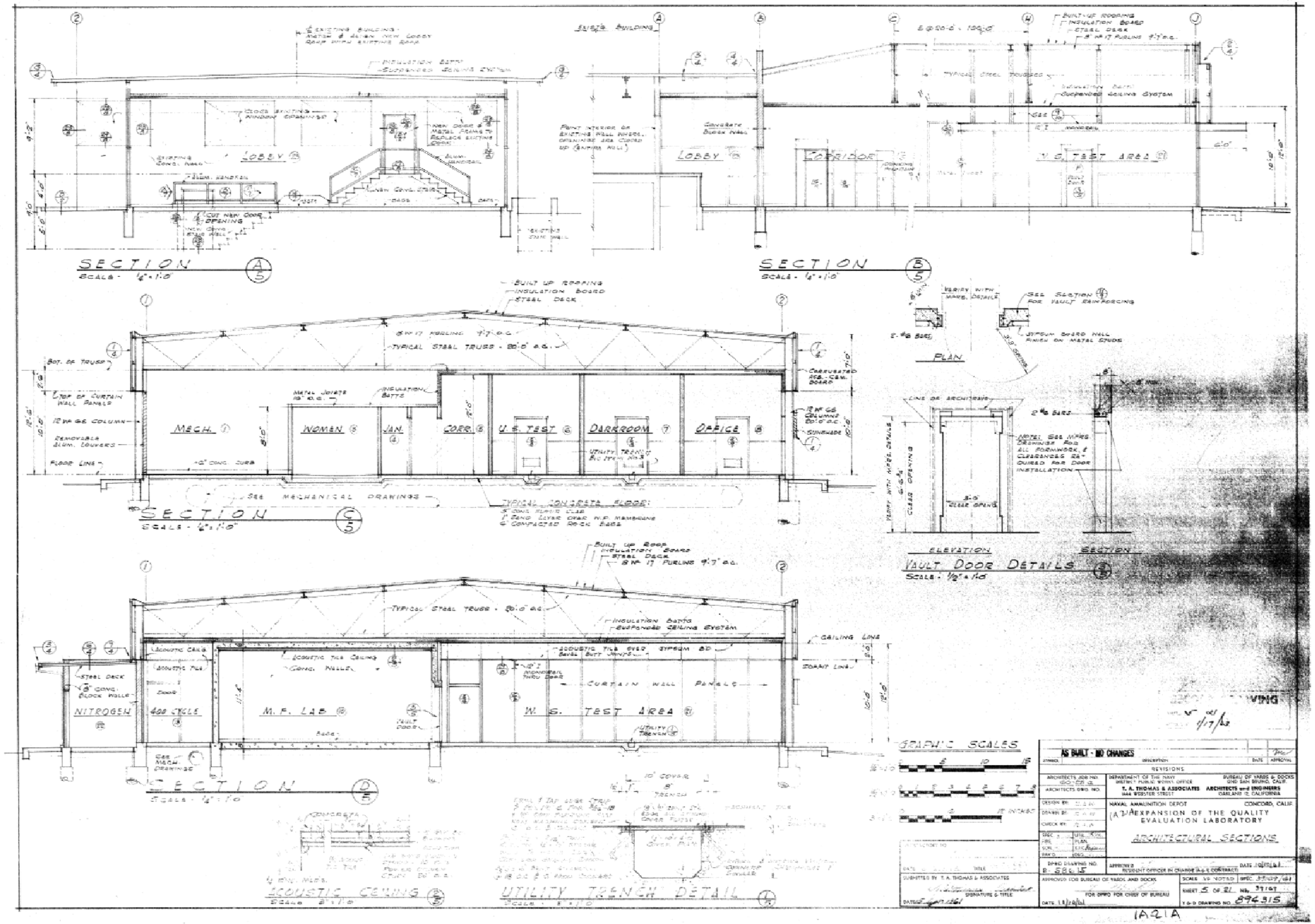
FIGURE 8-2FP BLDG IA-21Ab

IA-21A EXPANSION OF THE QUALITY EVALUATION LAB ARCHITECTURAL PLAN, EXTERIOR ELEVATIONS, DOOR SCHEDULE

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4549.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

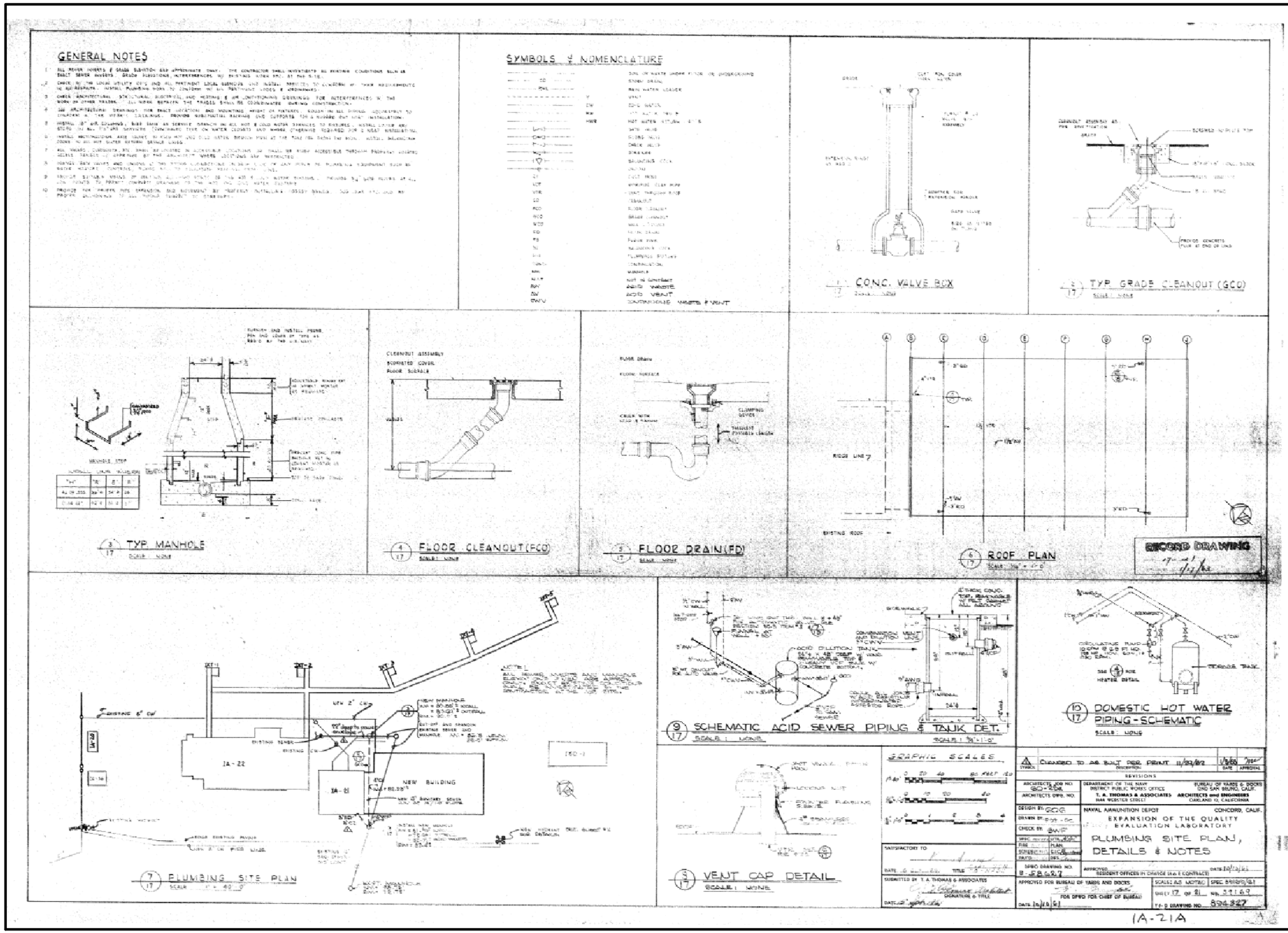
FIGURE 8-2FP BLDG IA-21Ac

IA-21A EXPANSION OF THE QUALITY EVALUATION LAB ARCHITECTURAL SECTIONS

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4550.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

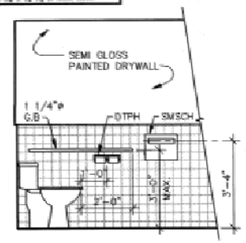
FIGURE 8-2FP BLDG IA-21Ad

EXPANSION OF THE QUALITY EVALUATION LAB PLUMBING SITE PLAN DETAILS AND NOTES

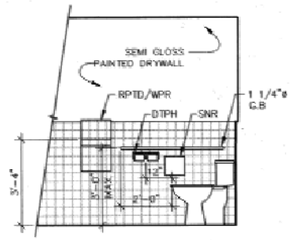
FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 0904011L4551.mxd

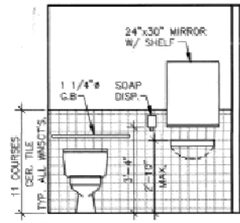
TETRA TECH EC, INC.



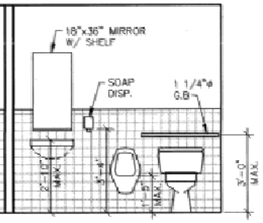
1 A-4 A-4 SIDE VIEW OF WATER CLOSET MEN'S TOILET RM. 2A
SCALE: 1/2" = 1'-0"



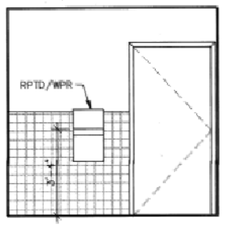
2 A-4 A-4 SIDE VIEW OF WATER CLOSET WOMEN'S TOILET RM. 2A
SCALE: 1/2" = 1'-0"



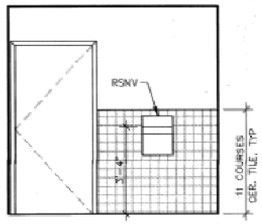
3 A-4 A-4 ELEVATION WOMEN'S TOILET RM. NO. 2B
SCALE: 1/2" = 1'-0"



4 A-4 A-4 ELEVATION MEN'S TOILET RM. NO. 2A
SCALE: 1/2" = 1'-0"



5 A-4 A-4 ELEVATION MEN'S TOILET RM. 2A
SCALE: 1/2" = 1'-0"



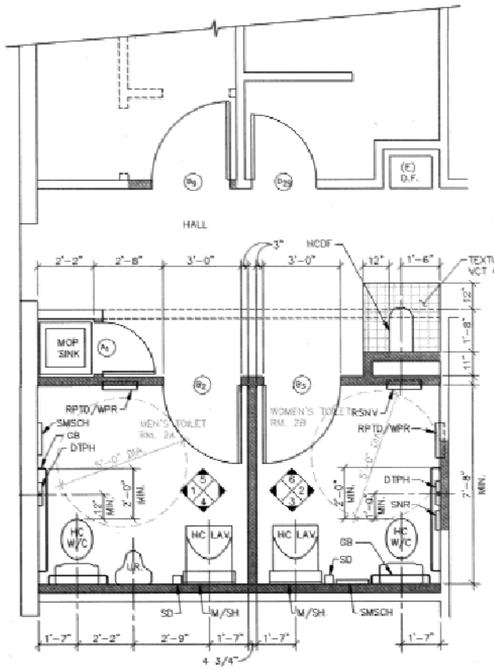
6 A-4 A-4 ELEVATION WOMEN'S TOILET RM. 2B
SCALE: 1/2" = 1'-0"

FINISH SCHEDULE

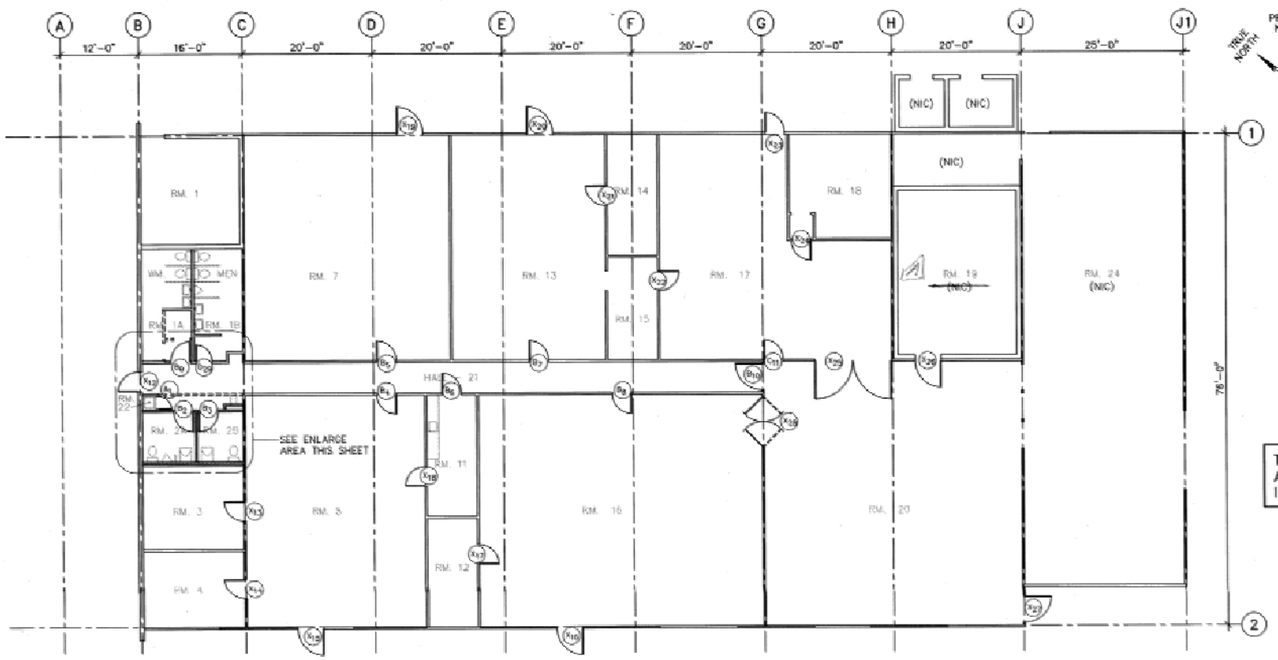
NO.	ROOM NAME	FLOOR: VINYL COVE TILE	FLOOR: VINYL CONC.	FLOOR: CONCRETE	FLOOR: CERAMIC TILE	BASE: TOP SET VINYL BASE	BASE: COVED VINYL	BASE: CERAMIC TILE	WALL: FIR. DRY WALL	WALL: EMT/SCOT-WALL BD.	WALL: EMT/SCOT-C.T.	WALL: CMU	WALL: FR. WALL FINIS.	WALL: CONCRETE	CEILING: ACOUSTICAL T-BAR SYSTEM	CEILING: GYP. WALL BD.	CEILING: ACOUSTICAL TILE	REMARKS
1	STORAGE/MECH.				●									●			●	● NO PAINT REQ'D. EX FINISH REMAINS
1A	WOMEN'S TOILET						●		●							●		PATCH FL. @ ENTRY
1B	MEN'S TOILET			●					●									
2A	MEN'S H.C. TOILET		●				●		●							●		
2B	WOMEN'S H.C. T.		●				●		●							●		
3	ADMIN. ASST. OFF.		●				●		●				●					
4	DIVERSION HEAD		●				●		●				●					
5	ORDNANCE, EVALTN.		●				●		●				●					
7	SURVEILLANCE		●				●		●				●					
11	KITCHENETTE		●				●		●				●					
12	MAGRV FILES		●				●		●				●					
13	TEST EQMT. DEV.		●				●		●				●					
14	OFFICE		●				●		●				●					
15	STORAGE		●				●		●				●					
16	MATRU		●				●		●				●					
17	NON-DESTR. TSTG.		●				●		●				●					
18	DUST FREE-MECH ASST		●				●		●				●					
19	WEAPONS SPEC TEST AREA		●				●		●				●			●		
20	FUSE LAB		●				●		●				●					
21	HALL		●				●		●				●					
22	MOP ROOM		●				●		●				●					

REVISIONS

SYM.	DESCRIPTION	DATE	APPROVED
01	12-06-94	12-07	[illegible]



7 A-4 A-4 ENLARGED AREA
SCALE: 1/2" = 1'-0"



8 A-4 A-4 BLDG. IA-21(SE) FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTE:

1. FIRE EXTINGUISHERS SHALL BE TEMPORARILY REMOVED WHILE REHABILITATION WORK IS TAKING PLACE. RE-INSTALL FIRE EXTINGUISHERS AT THEIR FORMER LOCATIONS AFTER REHABILITATION WORK HAS BEEN COMPLETED.

LEGEND:

= = = = WALLS DEMOLISHED

EXISTING WALLS

NEW WALLS

THIS ENTIRE DRAWING IS AN ADDITIVE BID ITEM AND IS NOT INCLUDED IN THE PROJECT BASE BID.

IF SHEET IS LESS THAN 28" X 40" IT IS A REDUCED PRINT– SCALE REDUCED ACCORDINGLY

GRAPHIC SCALE

1/8" = 1'-0" 0" 2' 6' 14' 24'

1/2" = 1'-0" 0" 1' 2' 3' 4' 6'

SAI ENGINEERS, INC.
235 Santa Ana Court, Sunnyvale, Ca 94086
SAI Project No. 93116 DATE: 10/27/94

Prev. Dwg. No.
DES. WC VR. NH
DR. WC PROJ.
CHK. DATE:
ENGR. IN CHG.
SUPERVISOR
FOR/AUTHORITY TO.
TITLE DATE
APPROVED DATE
APPROVE AS CHANGE

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
NAVAL WEAPONS STATION
CONCORD, CALIFORNIA

REHABILITATION OF BLDGS. IA-21 & IA-22
BLDG. IA-21(SE)
FLOOR PLAN

CODE IDENT NO. 80091 SIZE F NAVFAC DRAWING NO. 641265B
SCALE AS SHOWN SPEC. 12-90-6024 SHEET 5 OF 4

A-4

16A003 12/06/94 at 12:49

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-2FP BLDG IA-21Ae

REHABILITATION OF BUILDINGS IA-21 AND IA-22
BUILDING IA-21(SOUTHEAST) FLOOR PLAN

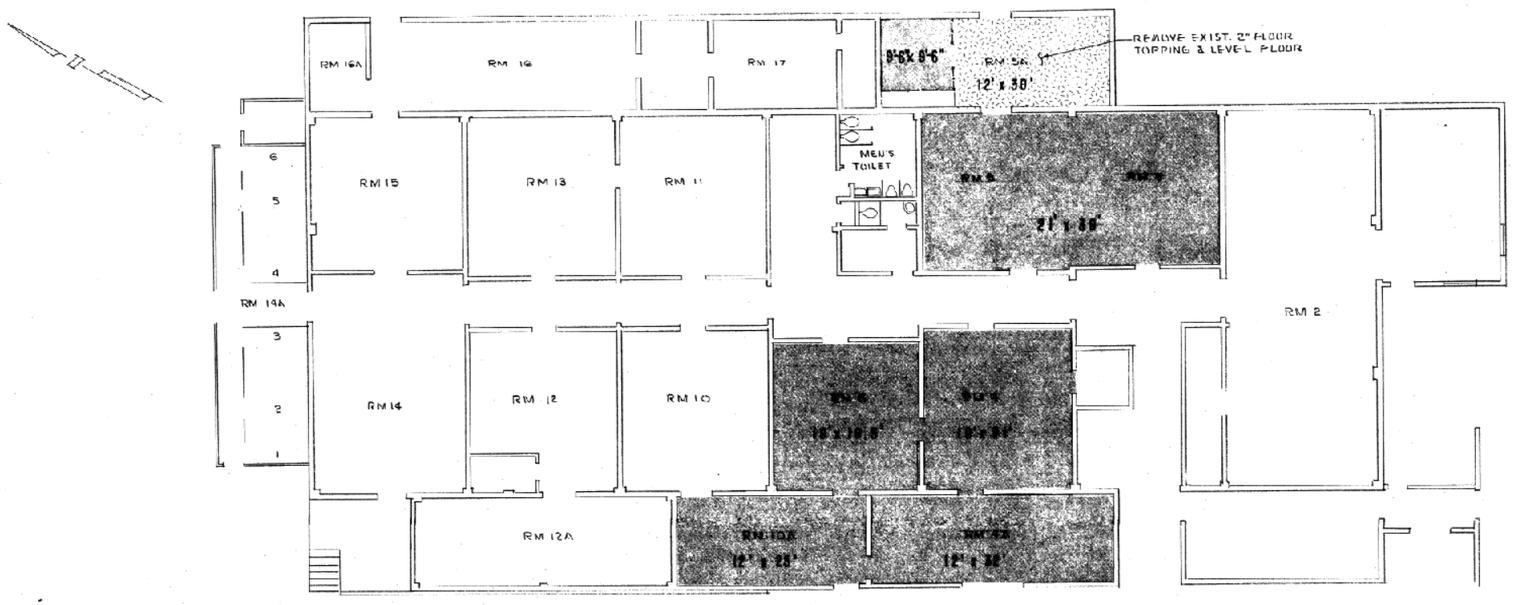
FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4552.mcd

TETRA TECH EC, INC.

NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related government procurement operation, the U.S. Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



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

LEGEND

INSTALL DIELECTRIC STRENGTH FLOOR

PWD DWG. NO.		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL WEAPONS STATION CONCORD, CALIFORNIA
DES. RES	DR. EZELL	
CHK. RES	SPEC. RES	BLDG. IA-22
FIRE	SAFETY KANES	INSTALLATION OF DIELECTRIC STRENGTH FLOOR
ENGR. IN CHG RES		
DIRECTOR		
SUBMITTED TO: TITLE	DATE	
APPROVED OFFICER IN CHARGE	DATE	CODE IDENT. NO. 80091 / SIZE D / NAVFAC DRAWING NO. 6028921
		SCALE As Shown / SPEC. 6424 / SHEET 1 OF 1

HISTORICAL RADIOLOGICAL ASSESSMENT

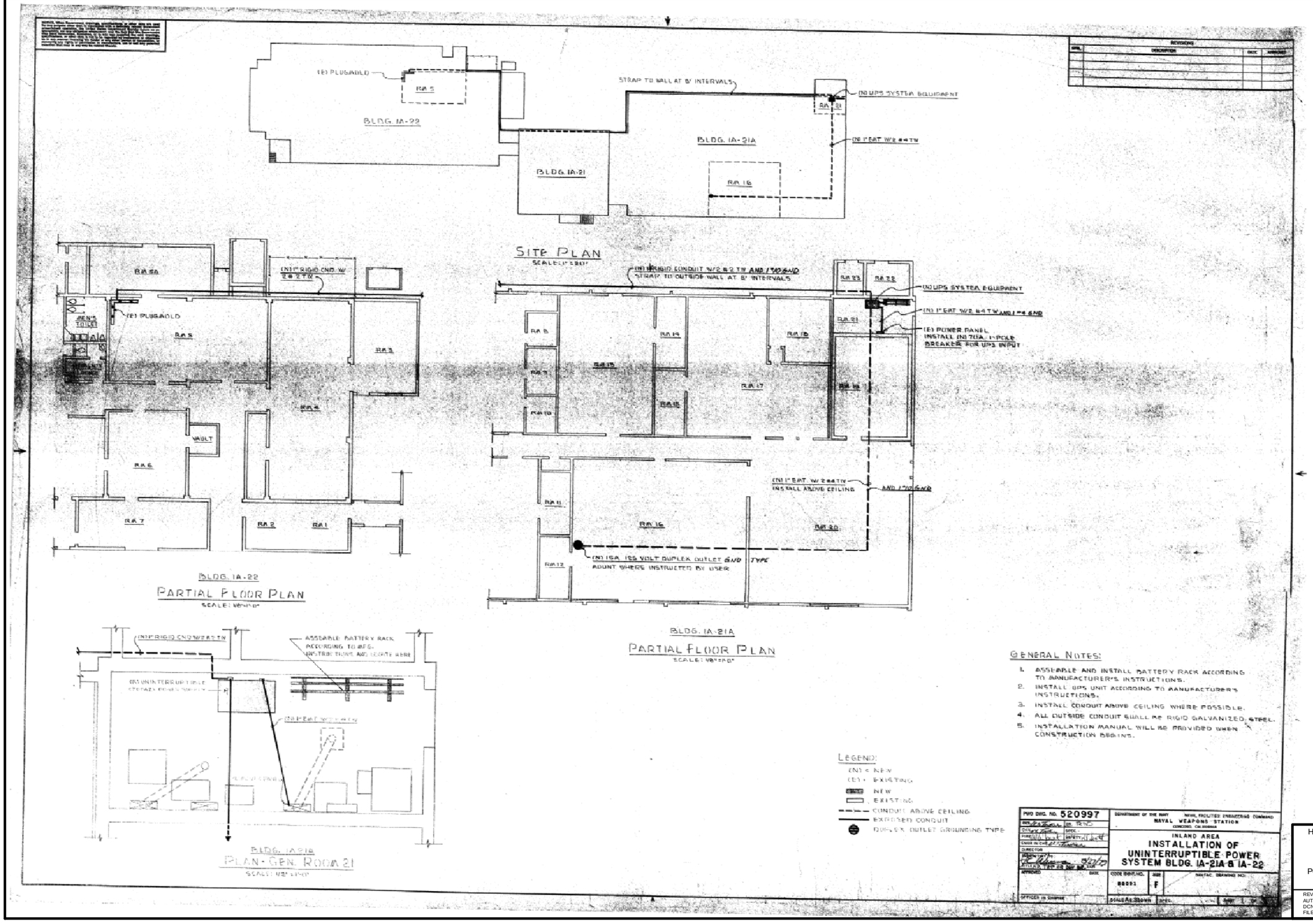
FIGURE 8-2FP BLDG IA-22a

INSTALLATION OF DIELECTRIC STRENGTH FLOOR

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4553.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-2FP BLDG IA-22b

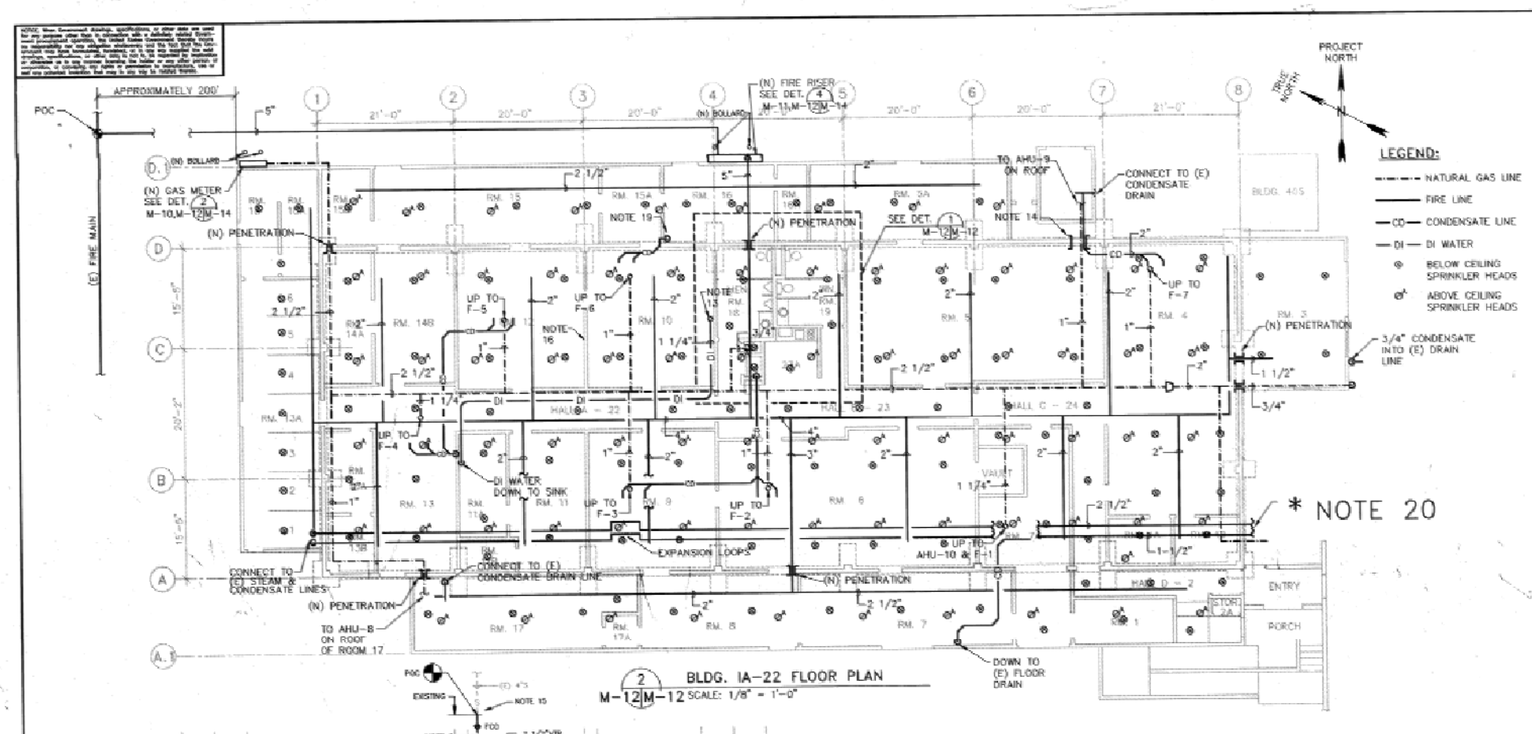
INSTALLATION OF UNINTERRUPTIBLE POWER SYSTEM BUILDING IA-21A AND IA-22

FORMER NAVWPNSTA CONCORD, CALIFORNIA

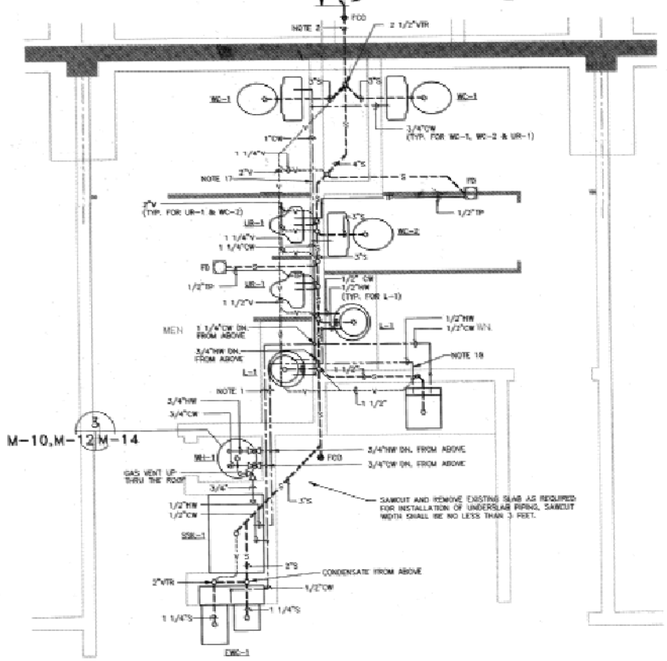
REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4554.mxd

TETRA TECH EC, INC.

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED



2 BLDG. IA-22 FLOOR PLAN
M-12 M-12 SCALE: 1/8" = 1'-0"



1 DETAIL
M-12 M-12 SCALE: 1/2" = 1'-0"

LEGEND:

- NATURAL GAS LINE
- FIRE LINE
- CD — CONDENSATE LINE
- DI — DI WATER
- BELOW CEILING SPRINKLER HEADS
- ABOVE CEILING SPRINKLER HEADS

NOTES:

1. ROUTE CW AND HW ABOVE CEILING. DROP TO FIXTURES OR GROUPING OF FIXTURES. CW SUPPLY SHALL BE FROM EXISTING 2" COPPER CW PIPE LOCATED IN THE ATTIC SPACE. INSTALL A 2" SHUTOFF VALVE AT POINT OF CONNECTION.
2. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING SANITARY DRAIN PIPE. A NEW WALL PENETRATION WILL BE REQUIRED TO PLACE NEW UNDERFLOOR PIPING.
3. CONTRACTOR SHALL PROVIDE DOUBLE INTERLOCKING PREACTION FIRE SYSTEM.
4. CONTRACTOR SHALL PROVIDE SPRINKLER AND FIRE ALARM SYSTEM, HANGERS, CONDUITS AND SUPPORTS AS REQUIRED BY CURRENT CODES.
5. ALL SPRINKLER AND FIRE ALARM DEVICE LOCATIONS ARE FOR REFERENCE ONLY. A LICENSED FIRE PROTECTION ENGINEER SHALL FIELD VERIFY ALL LOCATIONS FOR SUITABLE INSTALLATION.
6. CONTRACTOR SHALL HYDRAULICALLY CALCULATE SYSTEM BASED ON REMOTE 3000 SQUARE FOOT AREA.
7. BUILDING CLASSIFICATION IS ORDINARY HAZARD.
8. CONTRACTOR SHALL FIELD VERIFY AND AVOID UNDERGROUND ELECTRICAL CONDUIT AND MECHANICAL PIPING INTERFERENCES WHEN INSTALLING NEW FIRE LINE.
9. EXCAVATION SHALL BE FREE FROM WATER WHILE CONSTRUCTION IS IN PROGRESS. EXCAVATE ROCKS AND OTHER UNYIELDING MATERIAL TO AN OVERDEPTH OF AT LEAT 6" BELOW THE BOTTOM OF THE PIPE. PLACE A PIPE BEDDING IN 6" MAXIMUM LAYERS TO REFILL OVERDEPTH TO THE PROPER GRADE. GRADE BOTTOM OF TRENCH ACCURATELY TO PROVIDE UNIFORM BEARING AND SUPPORT FOR EACH SECTION OF PIPE ON BEDDING MATERIAL.
10. BACKFILL SHALL BE PLACED IN 6" MAXIMUM LAYERS. COMPACT EACH LOOSE LIFT BEFORE PACING NEXT LIFT.
11. USE ANY SUITABLE HAND OPERATED TAMPER TO COMPACT THE BACKFILL MATERIAL TO AT LEAST 90 PERCENT OF ASTM D1557 MAXIMUM RELATIVE DENSITY. AVOID DAMAGING PIPES AND PROTECTIVE PIPE COATINGS.
12. PIPE SHALL BE BURIED 24" DEEP IN TRAFFIC FREE AREAS AND 36" DEEP IN TRAFFIC AREAS.
13. CONTRACTOR TO CONNECT NEW 1/4" DI WATER LINE ABOVE CEILING FROM ROOM 10 TO ROOM 11A SINK.
14. GAS PIPING SHALL SHARE BUILDING PENETRATION WITH NEW HVAC DUCT. SEE DRAWING M-9 FOR PENETRATION LOCATION.
15. AFTER DEMOLITION OF EXISTING PLUMBING TO POC AND PRIOR TO INSTALLATION OF NEW PIPE FLUSH REMAINING PIPE. DETERMINE THAT FLOW IS UNIMPEDED BY OBSERVATION AT THE FIRST DOWNSTREAM MANHOLE.
16. PRIOR TO DEMOLITION OF INTERIOR BLOCK WALLS. DISCONNECT ALL PLUMBING FIXTURES OR PIPE FROM WALLS. DURING CONSTRUCTION OF THE NEW WALLS RE-ESTABLISH PLUMBING CONNECTION, ADDING REQUIRED PIPE AND FITTINGS TO RESTORE EXISTING SERVICES.
17. PROVIDE WATER HAMMER ARRESTOR GOOD FOR 30-40 FIXTURE UNITS.
18. PROVIDE WATER HAMMER ARRESTOR GOOD FOR 10-15 FIXTURE UNITS.
19. RUN PIPE THROUGH (N) WALL PENETRATION WITH DUCT. PIPE TO RUN EXPOSED ON WALL DOWN CORNER OF ROOM 16 AND TIE INTO (E) DRAIN.

* 20. (N) STEAM AND CONDENSTE LINES RUN UNDER EAVES ALONG BUILDINGS IA-21(NW) TO BUILDING IA-21(SE).

NOTE 20 IS PART OF THE PROJECT BASE BID. IF ADDITIVE BID WORK IS PERFORMED, THE STEAM AND CONDENSATE LINES INSTALLED AS PART OF NOTE 20 MUST BE DEMOLISHED.

IF SHEET IS LESS THAN 28" X 40" IT IS A REDUCED PRINT- SCALE REDUCED ACCORDINGLY

M-12

GRAPHIC SCALES

1/8" = 1'-0" 0" 2' 6' 14' 24'

1/2" = 1'-0" 0" 1' 2' 3' 4' 6'

SAI ENGINEERS, INC.
295 Santa Ana Court, Sunnyvale, Ca 94086
SAI Project No. 93116 DATE: 10/27/94

PWD DWG. NO.
DES. JK DR. RW
CHK. PB SPEC.
DWG. SAFETY
CHECK IN CHIEF
DIRECTOR
DISTRIBUTION TO:
TITLE DATE
APPROVED DATE
STATUS IN CLEARANCE

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
NAVAL WEAPONS STATION
CONCORD, CALIFORNIA

REHABILITATION OF BLDGS. IA-21 & IA-22
BUILDING IA-22 INSTALLATION
PLUMBING, FIRE PROTECTION, GAS

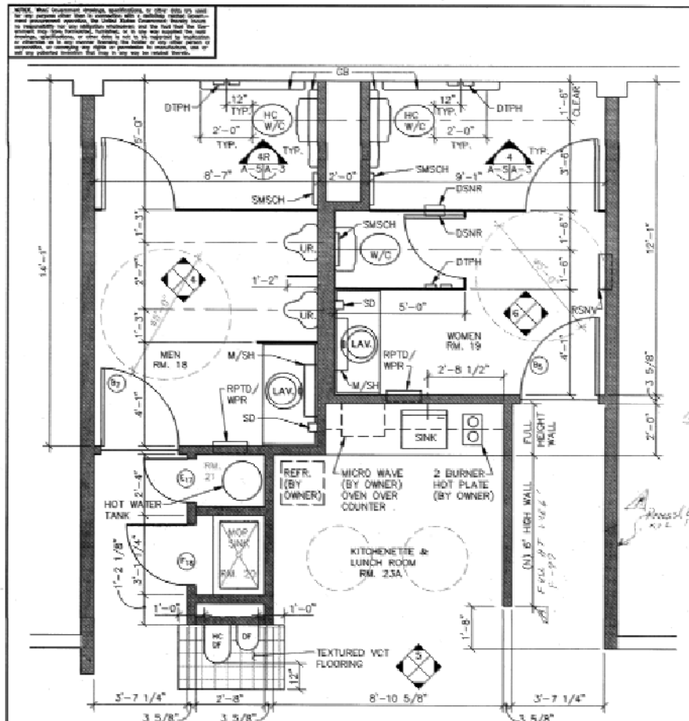
CODE IDENT NO. 80091 SIZE F NAVFAC DRAWING NO. 6412685
SCALE 1/8" = 1'-0" SPEC. 12-90-9924 SHEET 32 OF 61

HISTORICAL RADIOLOGICAL ASSESSMENT
FIGURE 8-2FP BLDG IA-22c
REHABILITATION OF BUILDINGS IA-21 AND IA-22
BUILDING IA-22 INSTALLATION PLUMBING, FIRE PROTECTION, GAS
FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4555.mxd

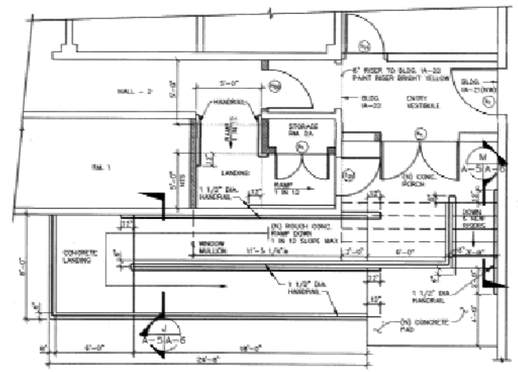
TETRA TECH EC, INC.

16MC07 12/05/94 at 15:59

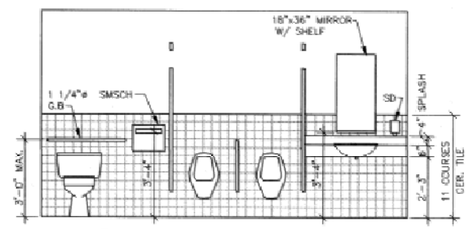


2 ENLARGED PLAN
A-5|A-5 SCALE: 1/2" = 1'-0"

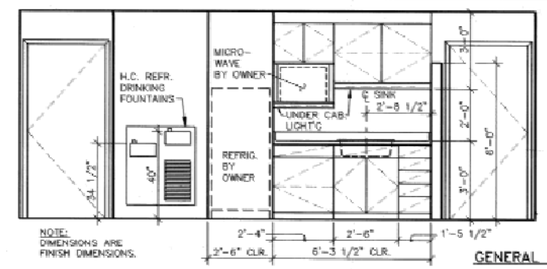
NOTE: DIMENSIONS ARE STUD TO STUD DIMENSIONS.



3 MAIN ENTRY RAMP & STEPS TO BLDGS. IA-21(NW) & IA-22
A-5|A-5 SCALE: 1/4" = 1'-0"

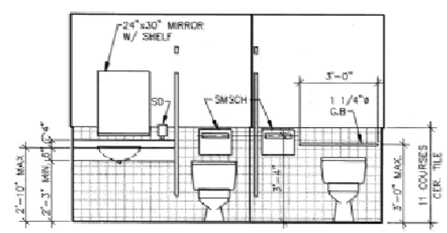


4 MEN'S TOILET RM. NO. 18 ELEVATION
A-5|A-5 SCALE: 1/2" = 1'-0"

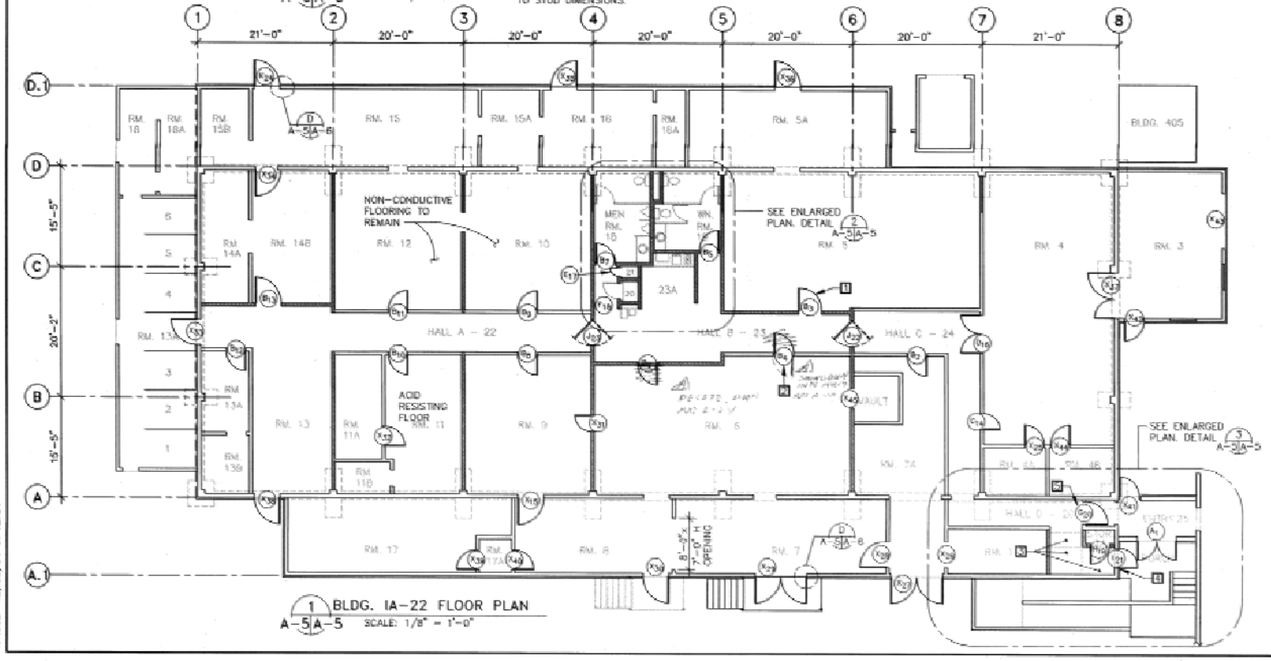


NOTE: DIMENSIONS ARE FINISH DIMENSIONS.

5 KITCHENETTE RM. NO. 23A ELEVATION
A-5|A-5 SCALE: 1/2" = 1'-0"



6 WOMEN'S TOILET RM. NO. 19 ELEVATION
A-5|A-5 SCALE: 1/2" = 1'-0"



1 BLDG. IA-22 FLOOR PLAN
A-5|A-5 SCALE: 1/8" = 1'-0"

REVISIONS

SYM.	DESCRIPTION	DATE	APPROVED

FINISH SCHEDULE

NO.	ROOM NAME	FLOOR	BASE	WALL	CEILING	REMARKS
1	OFFICE					
2	HALL - D					
3	TESTING					
4						
4A	OFFICE					
4B	OFFICE					
5						
5A						9'-0" TO 9'-4"
6						
7						
7A						
8						
9						
10						
11						
11A						
11B	STORAGE					
12						
13						
13A						
13B						
14A						
14B						
15						9'-1" TO 9'-4"
15A						9'-1" TO 9'-4"
15B						9'-1" TO 9'-4"
16						9'-1" TO 9'-4"
16A						9'-0" TO 9'-4"
17						
17A						
18	MEN'S TOILET					
19	WOMEN'S TOILET					
20	MOP ROOM					
21	HOT WATER					
22	HALL - A					
23	HALL - B					
23A	KITCHENETTE/LUNCH					
24	HALL - C					
25	ENTRY					

GENERAL NOTES:

1. PROVIDE NEW 3'-0"x6'-8" 20 MINUTE FIRE RATED DOOR ASSEMBLY IN NEW WALL.
2. PROVIDE NEW 3'-0"x6'-8" 20 MINUTE FIRE RATED DOOR ASSEMBLY IN EXISTING WALL.
3. RAMP DOWN FLOOR WITH 5'-0"x5'-0" LANDING TO NEW ENTRY PORCH LEVEL AT NEW DOOR H_2
4. CUT NEW OPENING IN EXTERIOR WALL AND PROVIDE NEW 3'-0"x6'-8"x1 3/4" H.M. STEEL DOOR AND FRAME.
5. PROVIDE NEW 3'-0"x6'-8"x1 3/4" H.M. STEEL DOOR AND FRAME IN NEW WALL.
6. FIRE EXTINGUISHERS SHALL BE TEMPORARILY REMOVED WHILE REHABILITATION WORK IS TAKING PLACE. RE-INSTALL FIRE EXTINGUISHERS AT THEIR FORMER LOCATIONS AFTER REHABILITATION WORK HAS BEEN COMPLETED.

LEGEND:

EXISTING WALLS
NEW WALLS

IF SHEET IS LESS THAN 28" X 40" IT IS A REDUCED PRINT- SCALE REDUCED ACCORDINGLY

GRAPHIC SCALES

1/8" = 1'-0" 0" 2' 6' 14' 24'
1/4" = 1'-0" 0" 2' 4' 6' 8' 12'
1/2" = 1'-0" 0" 1' 2' 3' 4' 6'

A-5

SAI ENGINEERS, INC.
283 Santa Ana Court, Sunnyvale, Ca 94086
SAI Project No. 93116 DATE: 10/27/94

NAVAL WEAPONS STATION
CONCORD, CALIFORNIA

REHABILITATION OF BLDGS. IA-21 & IA-22
BLDG. IA-22
FLOOR PLAN

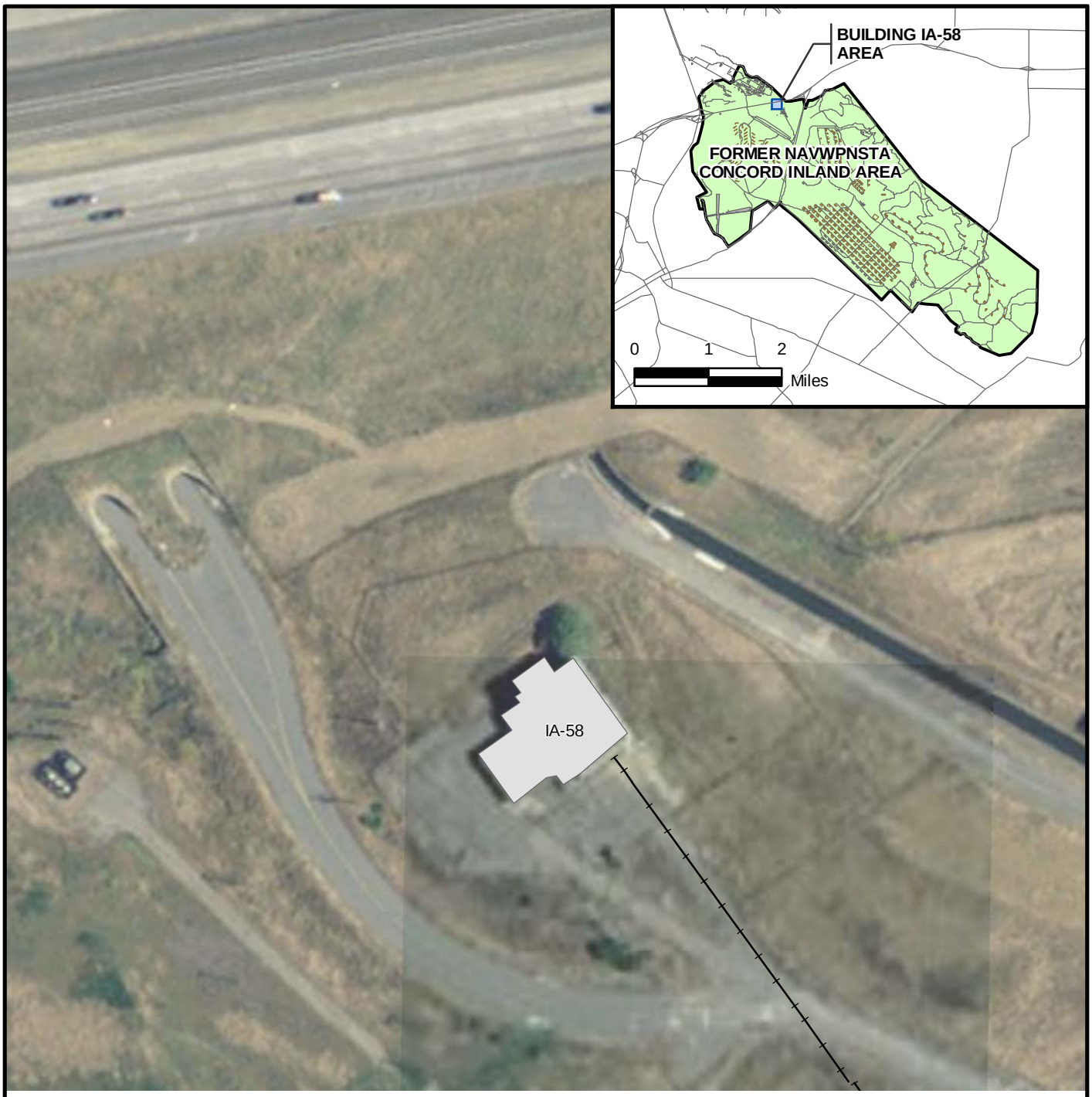
CODE IDENT NO. 80091 | SIZE F | NAVFAC DRAWING NO. 6412659
SCALE AS SHOWN | SPEC. 12-30-0024 | SHEET 6 of 61

HISTORICAL RADIOLOGICAL ASSESSMENT
FIGURE 8-2FP BLDG IA-22d
REHABILITATION OF BUILDINGS IA-21 AND IA-22
BUILDING IA-22 FLOOR PLAN
FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4556.mxd

TETRA TECH EC, INC.

16A002 12/08/94 at 12:54



LEGEND

- ROAD
- RAILROAD
- AMMUNITION MAGAZINE
- FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY
- BUILDING
- RUNWAY

N

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

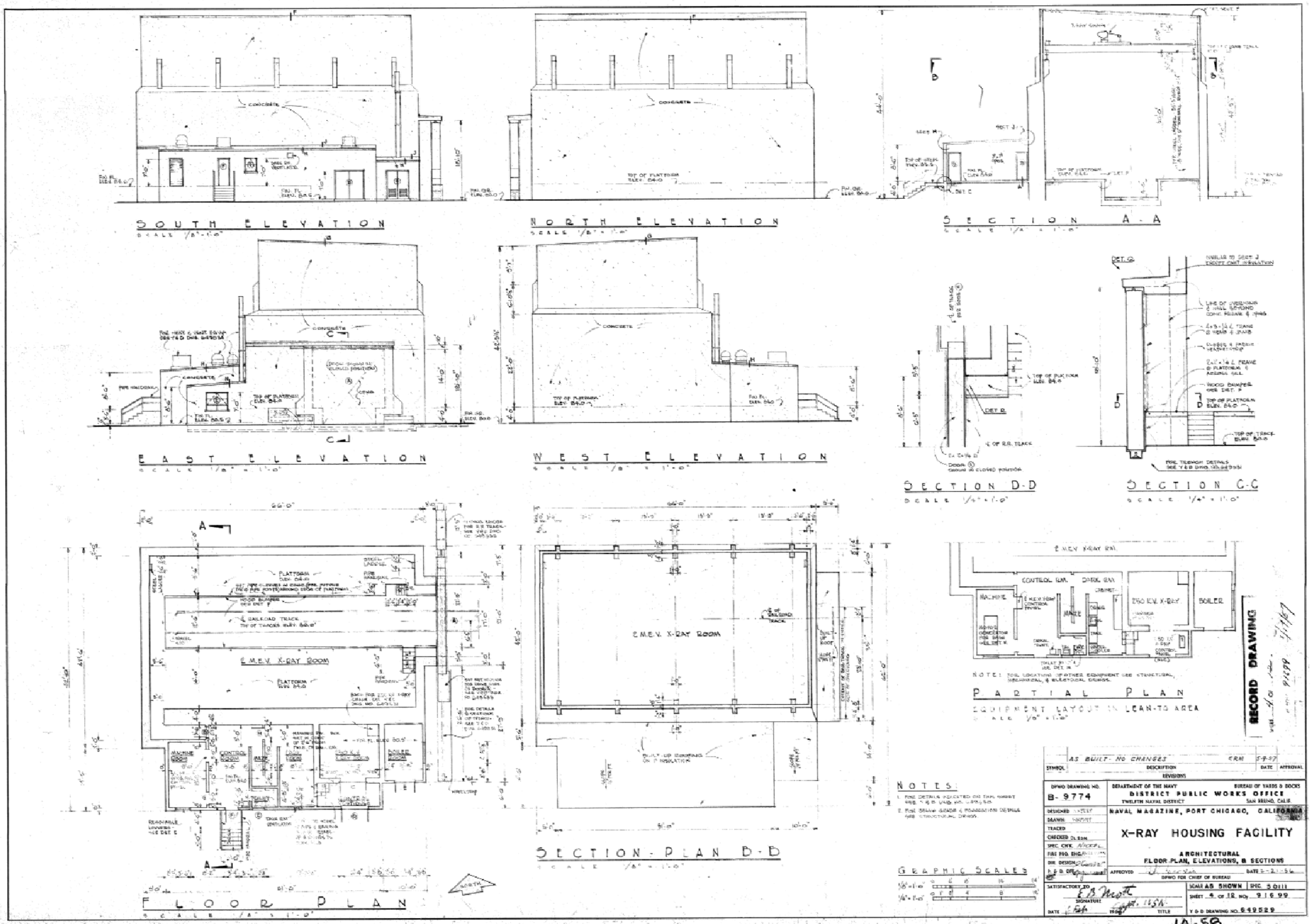
FIGURE 8-3

BUILDING IA-58

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4557.mxd

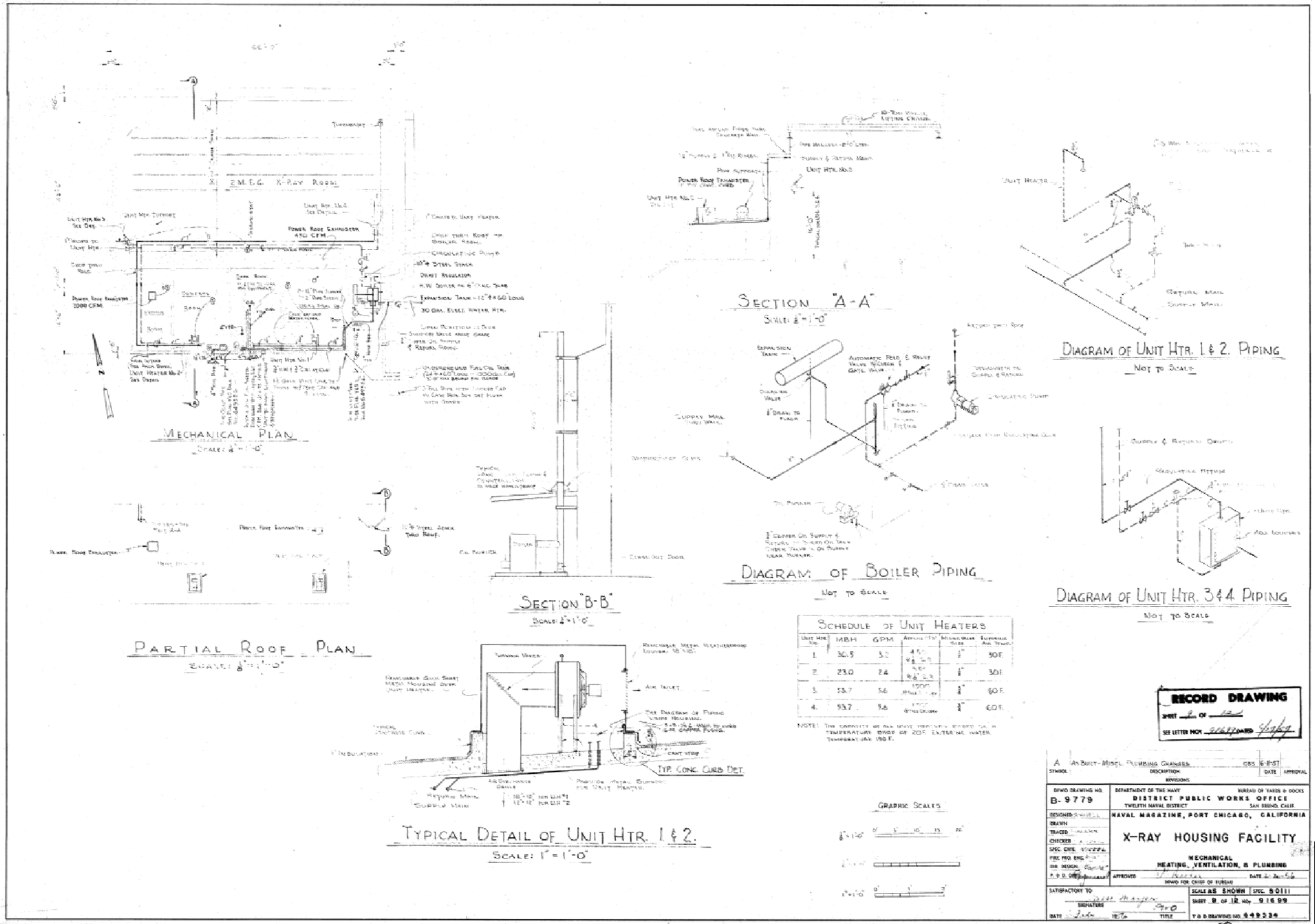
TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT
FIGURE 8-3FP BLDG IA-58a
X-RAY HOUSING FACILITY
ARCHITECTURAL FLOOR PLAN, ELEVATIONS, AND SECTIONS
FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 0904011L4558.mxd

TETRA TECH EC, INC.



SCHEDULE OF UNIT HEATERS

UNIT HTR. NO.	MBH	GPM	APPROX. CFM	MINIMUM VALVE SIZE	EXPANSION AIR TEMP.
1.	30.5	3.2	4.5 [illegible]	1/2"	30 F.
2.	23.0	2.4	3.5 [illegible]	1/2"	30 F.
3.	53.7	5.6	1500 [illegible]	3/4"	60 F.
4.	53.7	5.6	1500 [illegible]	3/4"	60 F.

NOTE: THE CAPACITY OF ALL UNIT HEATERS RATED ON A TEMPERATURE DROP OF 20F. ENTERING WATER TEMPERATURE 180 F.

RECORD DRAWING
SHEET 9 OF 12
SEE LETTER NO. 91699 DATED 4/12/59

SYMBOL	DESCRIPTION	DATE	APPROVAL
A	AS BUILT - MISCL. PLUMBING CHANGES	6-8-57	

REVISIONS

DPWO DRAWING NO. B-9779

DEPARTMENT OF THE NAVY — BUREAU OF YARDS & DOCKS
DISTRICT PUBLIC WORKS OFFICE
TWELFTH NAVAL DISTRICT — SAN BRUNO, CALIF.

NAVAL MAGAZINE, PORT CHICAGO, CALIFORNIA

X-RAY HOUSING FACILITY

MECHANICAL
HEATING, VENTILATION, & PLUMBING

DESIGNED: SCHNELL
DRAWN
TRACED
CHECKED
SPEC. CHK.
FIRE PRO. ENG.
DIR. DESIGN.
P. & D. CHIEF

APPROVED — DATE 2-26-56
DPWO FOR CHIEF OF BUREAU

SATISFACTORY TO — SIGNATURE — DATE — TITLE

SCALE AS SHOWN — SPEC. 50111
SHEET 9 OF 12 NO. 91699
T & D DRAWING NO. 649334

IA-58

HISTORICAL RADIOLOGICAL ASSESSMENT

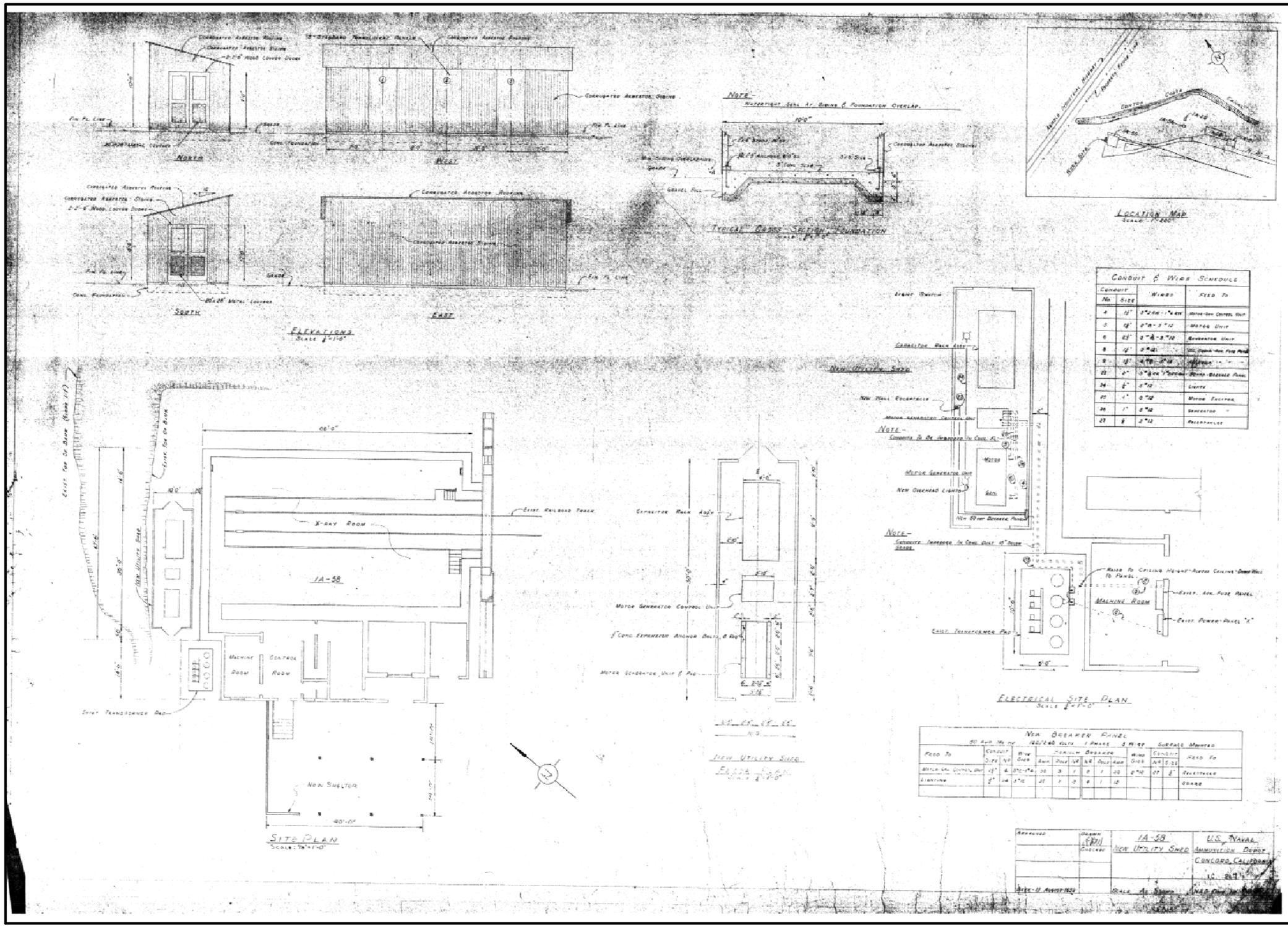
FIGURE 8-3FP BLDG IA-58b

X-RAY HOUSING FACILITY - MECHANICAL HEATING, VENTILATION, AND PLUMBING

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4559.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

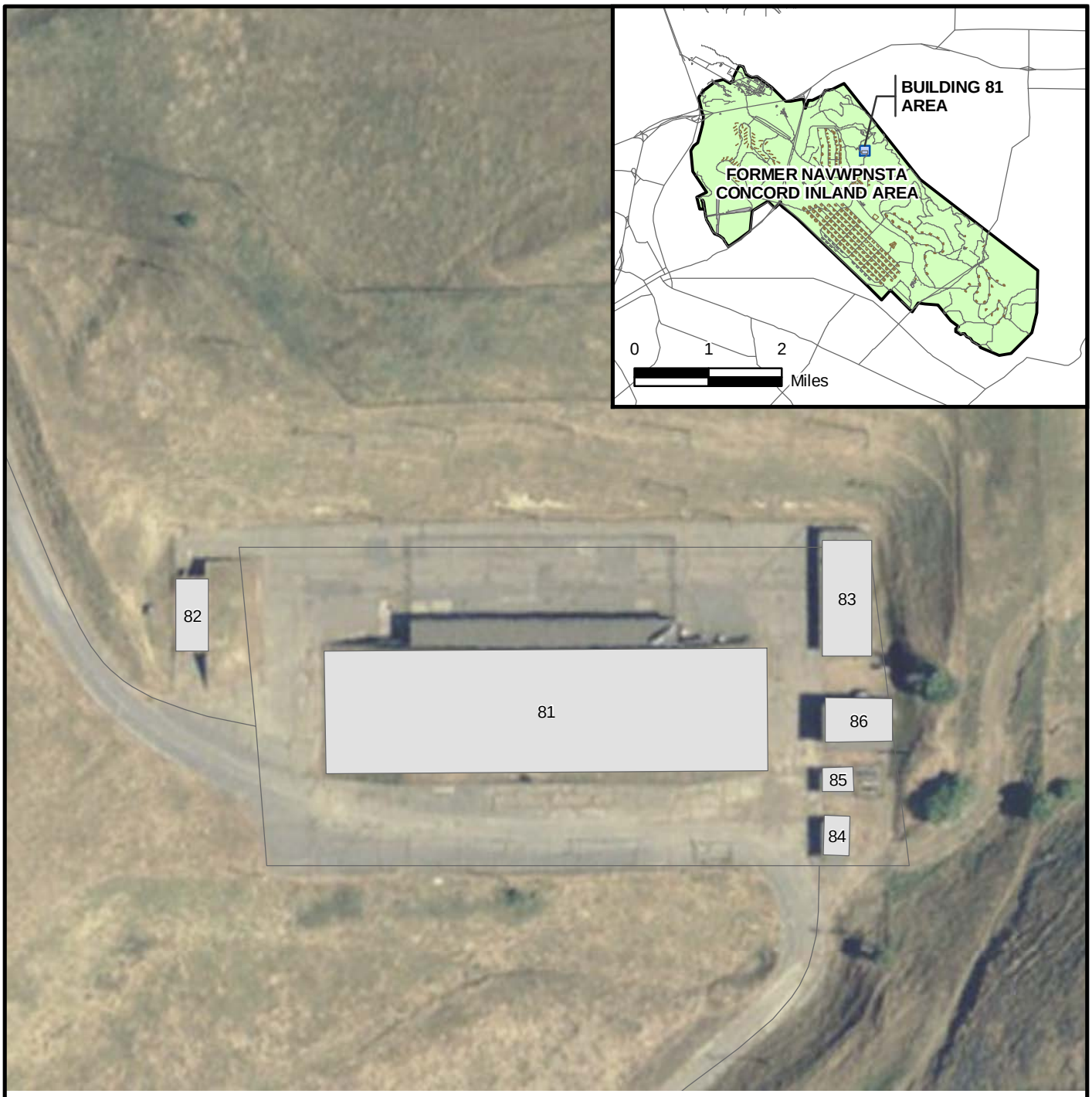
FIGURE 8-3FP BLDG IA-58c

IA-58 NEW UTILITY SHED

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 0904011L4560.mxd

TETRA TECH EC, INC.



LEGEND

- ROAD
- AMMUNITION MAGAZINE
- FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY
- BUILDING
- RUNWAY

N

50 0 50 100 Feet

NOTE:

ONLY THE SITES CALLED OUT IN SECTION 8.0 ARE CONSIDERED IMPACTED FOR THE PURPOSE OF THIS HISTORICAL RADIOLOGICAL ASSESSMENT.

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

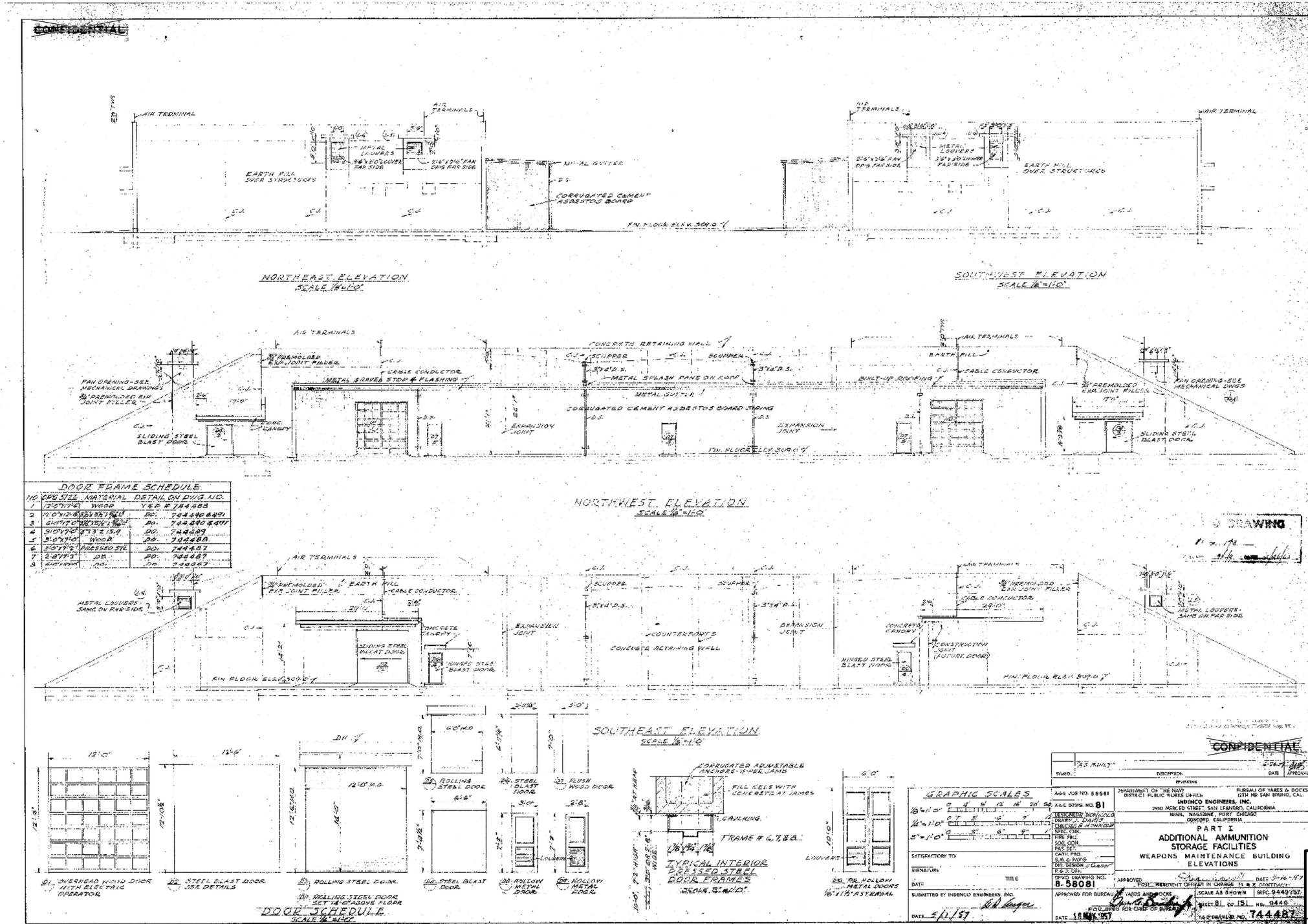
FIGURE 8-4

BUILDING 81

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4561.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

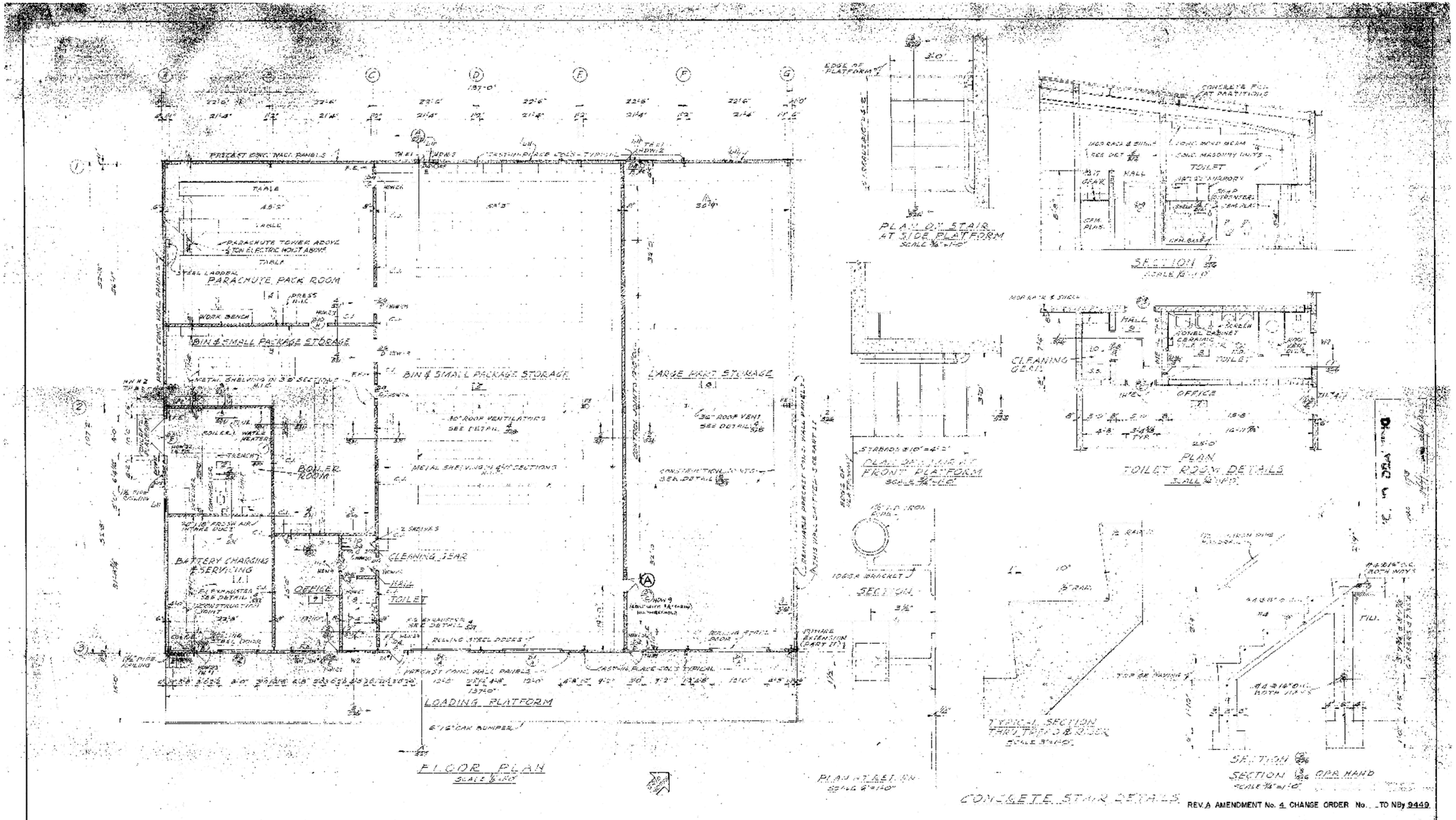
FIGURE 8-4FP BLDG 81a

ADDITIONAL AMMUNITION STORAGE FACILITIES

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 09040114562.mxd

TETRA TECH EC, INC.



REV. A AMENDMENT No. 4 CHANGE ORDER No. _ TO NBy 9449

SYMBOL	DESCRIPTION	DATE	APPROVAL
A	"AS BUILT" REVISIONS-BATTERY ENC. PANELS	6-26-58	
A	Added Door	11-7-58	

REVISIONS

A&E JOB NO. 58581
A&E DRWG. NO. 120
DESIGNED
DRAWN
CHECKED
SPEC. CITY
FIRE PROT.
SOIL CON.
SAE DES.
CATH. PROT.
S.M.G. PATH.
DIL DESIGN
P.&D. CHK.
GPWO DRAWING NO. B-58120

DEPARTMENT OF THE NAVY
DISTRICT PUBLIC WORKS OFFICE
BUREAU OF YARDS & DOCKS
12TH ND SAN BRUNO, CAL.

INDENCO ENGINEERS, INC.
2960 MERCED STREET, SAN LEANDRO, CALIFORNIA

NAVAL MAGAZINE, FORT CHICAGO
CONCORD, CALIFORNIA

PART I
ADDITIONAL AMMUNITION STORAGE FACILITIES
INERT STORAGE & PROCESSING BLDG.
PLAN & INTERIOR DETAILS

APPROVED FOR: MOVEMENT OFFICER IN CHARGE
DATE 5-4-61

APPROVED FOR BUREAU OF YARDS AND DOCKS
FOR: CHIEF OF BUREAU
DATE 15 MAY 1957

SCALE AS SHOWN
SPEC. 9449/57
SHEET 120 OF 151
NBy 9449
Y&D DRAWING NO. 744526

CONFIDENTIAL

INTERIOR FINISH SCHEDULE

NO.	ROOM DESCRIPTION	FLOOR MAT'L	FLOOR FINISH	BASE MAT'L	BASE FINISH	WAINSCOT MAT'L	WAINSCOT FINISH	WALL MAT'L	WALL FINISH	CEILING MAT'L	CEILING FINISH	TRIM MAT'L	TRIM FINISH	COLOR REMARKS
1	BATTERY CHARGING & SERVICING	CONC.	NAT.	—	—	—	—	CONC. & B.	ENAMEL	STEEL	ENAMEL	METAL	ENAMEL	PR #5
2	BOILER ROOM	CONC.	NAT.	—	—	—	—	CONC. & B.	ENAMEL	STEEL	ENAMEL	METAL	ENAMEL	PR #2
3	BIN & SMALL PACKAGE STORAGE	CONC.	NAT.	—	—	—	—	CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #5
4	PARACHUTE PACK ROOM	CONC.	WAX	—	—	—	—	CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #3
5	BIN & SMALL PACKAGE STORAGE	CONC.	NAT.	—	—	—	—	CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #5
6	LARGE PART STORAGE	CONC.	NAT.	—	—	—	—	CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #5
7	OFFICE	ASPH. TILE	WAX	TO TILE	—	—	—	CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #7
8	TOILET	CER. TILE	NAT.	C.&M.	B.	CER. PLAS.	ENAMEL	CONC. & B.	ENAMEL	STEEL	ENAMEL	METAL	ENAMEL	PR #13
9	HALL	CONC.	NAT.	—	—	—	—	CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #7
10	CLEANING GEAR	CONC.	NAT.	CER.	B.	CER. PLAS.	ENAMEL	CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #13

GENERAL NOTES

1. PROVIDE WET PIPE SPRINKLER SYSTEM IN ENTIRE BUILDING UNDER UNIFORM DISCHARGE DENSITY PER SPEC. 29-40 (16) & HAZ. DOCKS TO-WIT IV AREAS 3, 5 & 6 AND ORDINARY HAZARD OCCUPANCIES TO PLUS IN THE REMAINDER OF THE BUILDING.
2. ALL EXPOSED PIPES (WATER), DUCTWORK & SUNDRY METAL SHALL BE PAINTED AS TRIM.
3. PROVIDE ALL NECESSARY ANCHORS, SLEEVES, HANGERS & INSERTS REQUIRED FOR MECHANICAL & ELECTRICAL WORK.

GRAPHIC SCALES

SATISFACTORY TO
SIGNATURE
TITLE
DATE
SUBMITTED BY INDENCO ENGINEERS, INC.
DATE 3/1/57

HISTORICAL RADIOLOGICAL ASSESSMENT

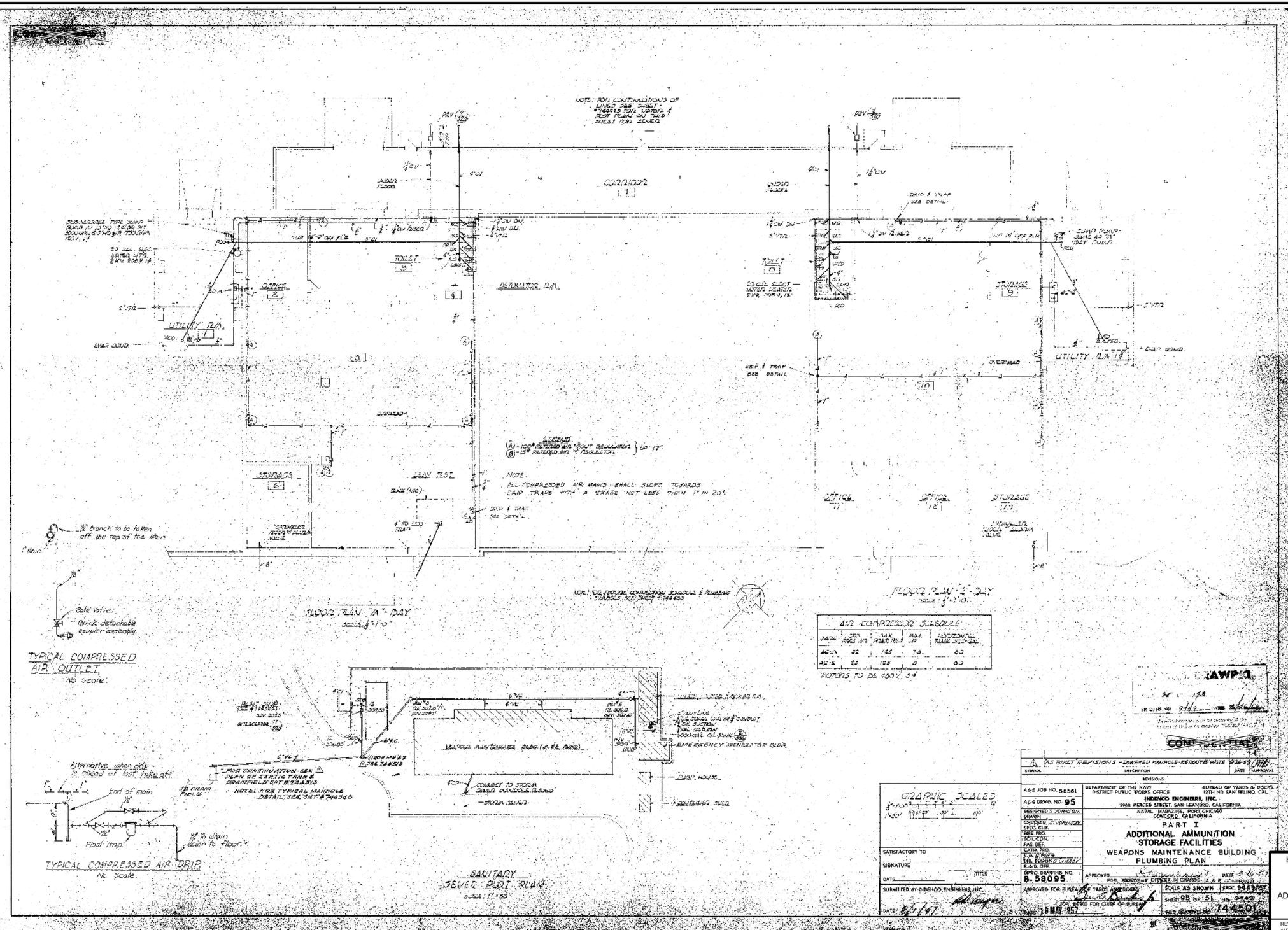
FIGURE 8-4FP BLDG 81b

ADDITIONAL AMMUNITION STORAGE FACILITIES

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4563.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

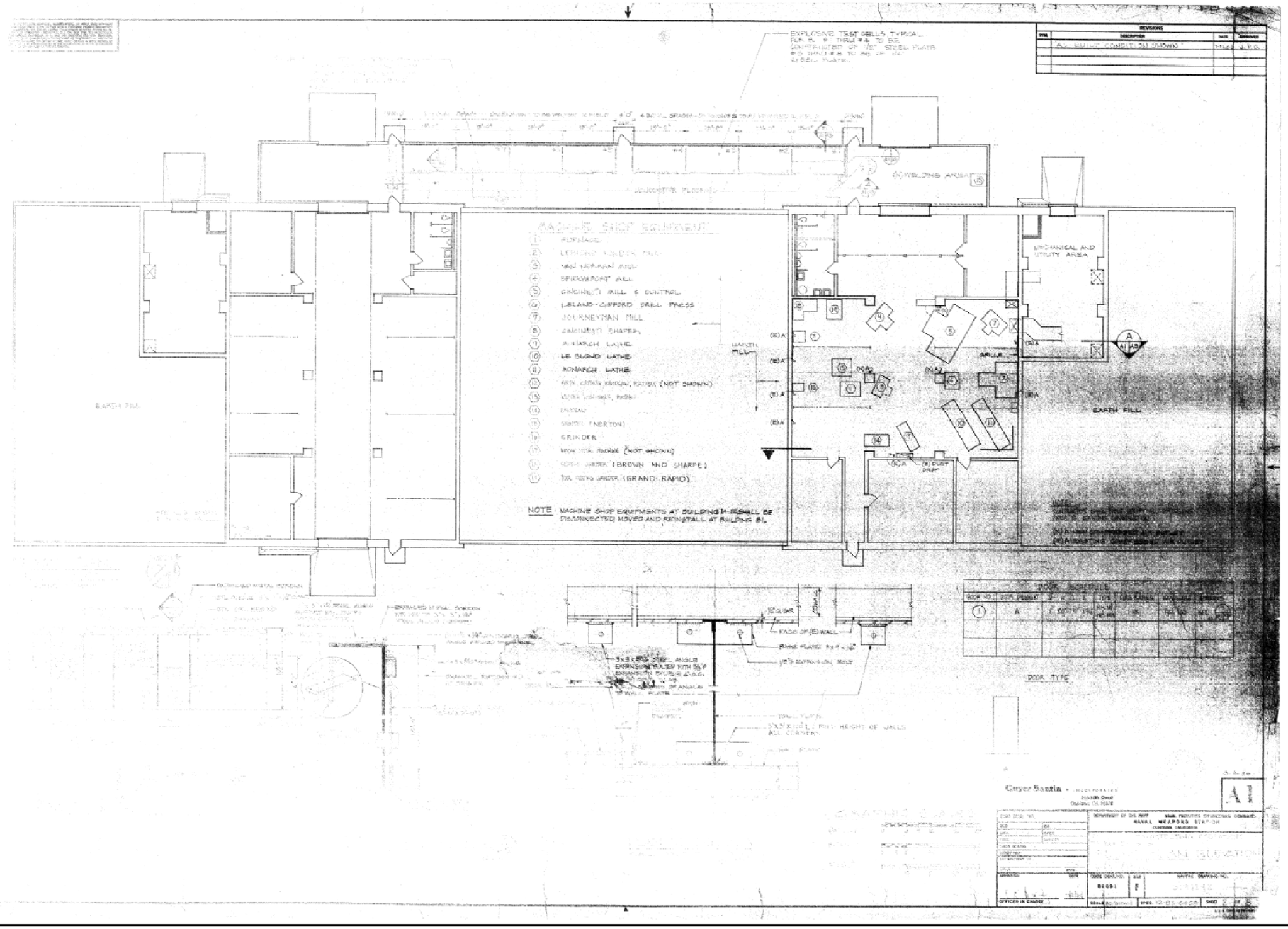
FIGURE 8-4FP BLDG 81c

ADDITIONAL AMMUNITION STORAGE FACILITIES

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 0904011.4564.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

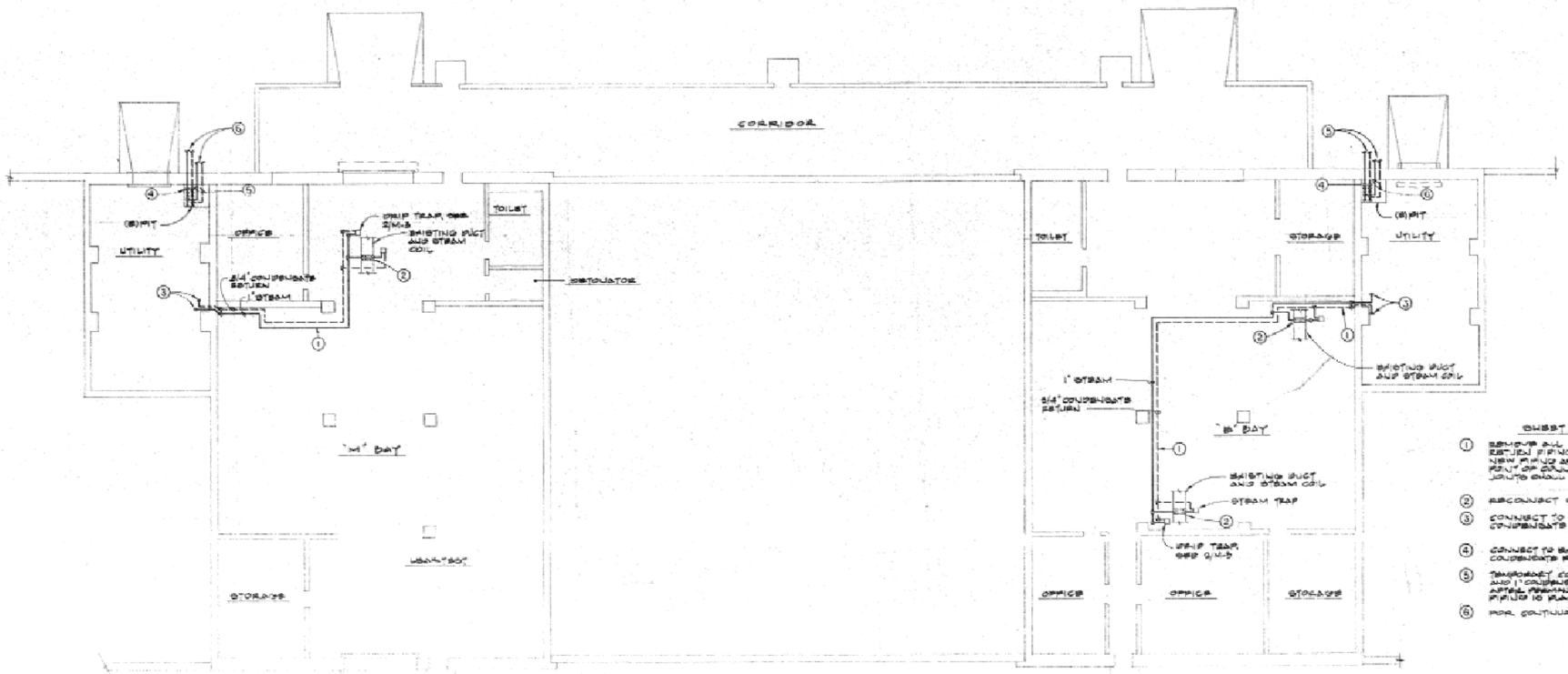
FIGURE 8-4FP BLDG 81d

RELOCATION OF WQEC TESTING OPERATIONS TO BUILDING 81 FLOOR PLAN EVALUATION DETAILS

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 0904001.4565.mxd

TETRA TECH EC, INC.



FLOOR PLAN

SHEET NOTES

1. REMOVE ALL STEAM & CONDENSATE RETURN PIPING AND REPLACE WITH NEW PIPING AS SPECIFIED FROM POINT OF CONNECTION SHOWN. SHARP BENDS SHALL BE AVOIDED.
2. RECONNECT STEAM COIL
3. CONNECT TO EXISTING STEAM & CONDENSATE RETURN.
4. CONNECT TO EXISTING STEAM AND CONDENSATE RETURN IN PIT.
5. TEMPORARY CONNECTIONS TO 1" STEAM AND 1" CONDENSATE RETURN. REMOVE AFTER PERMANENT HOUSEKEEPING PIPING IS PLACED IN OPERATION.
6. FOR CONTINUATION SEE SHEET M-1.

M·2

GRAPHIC SCALE

0 1 2 3 4 5 6 7 8 9 10

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

GAYNER ENGINEERS
831 HOWARD STREET
SAN FRANCISCO, CALIF. 94103
TELEPHONE: 415-333-1333

FWO DWG. NO.
DES. | DR
CHK. | SPEC.
TYPE | SAFETY
CHKD IN CHK | DATE
E-INSTOR | DATE
SUPERVISOR IN
CHIEF | DATE
APPROVED | DATE
OFFICER IN CHARGE

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
NAVAL WEAPONS STATION
CONCORD, CALIFORNIA

BUILDING 81
STEAM & CONDENSATE PIPING

CODE IDENT. NO. 80091 | SIZE F | NAVFAC DRAWING NO. 6108515
SCALE | SPEC. 12-78-2572 | SHEET 3 OF 4

HISTORICAL RADIOLOGICAL ASSESSMENT

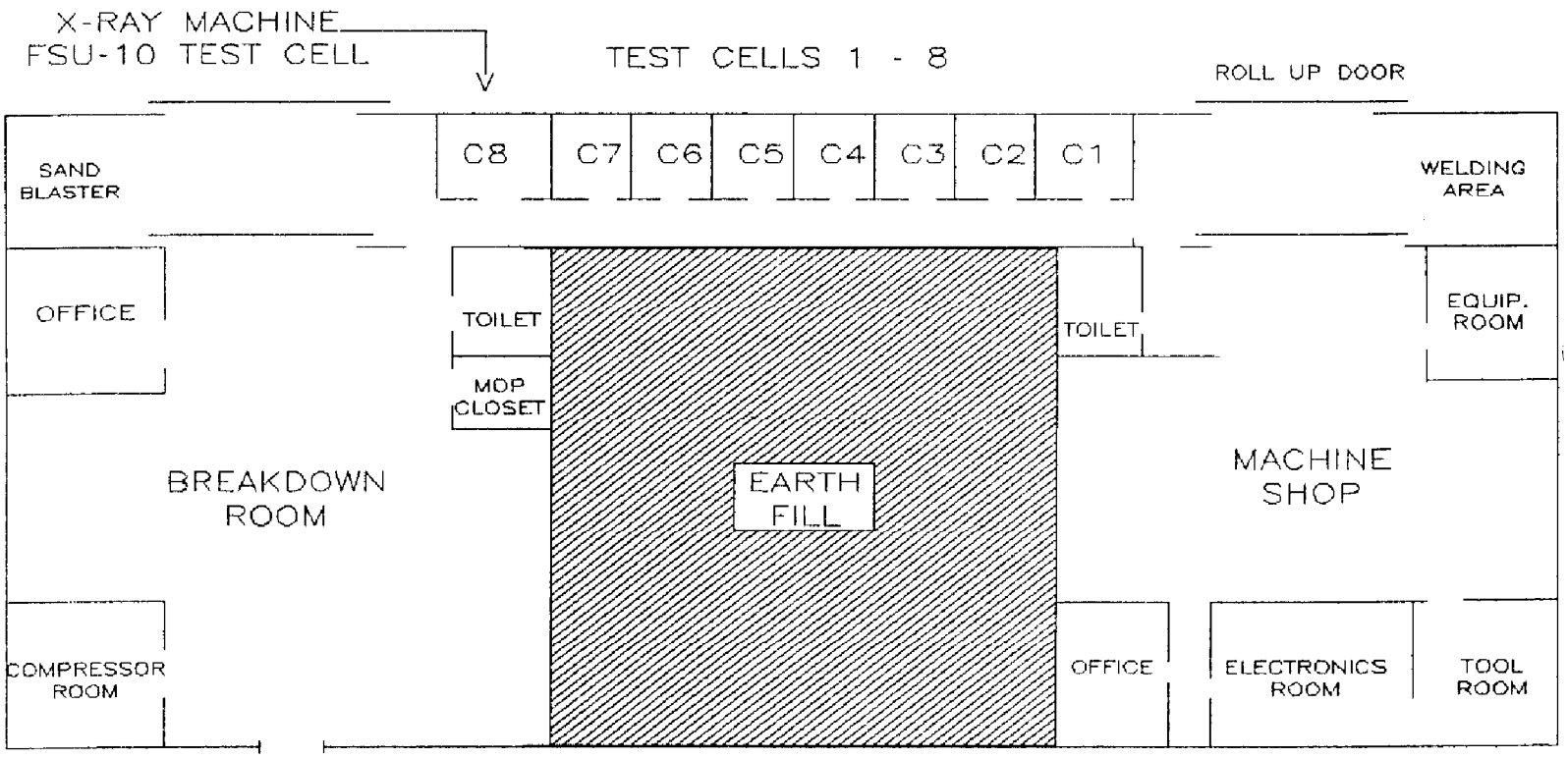
FIGURE 8-4FP BLDG 81e

BUILDING 81 STEAM AND CONDENSATE PIPING

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 09040114566.mxd

TETRA TECH EC, INC.



NOT TO SCALE

SOURCE:

FACILITY EVALUATION OF BUILDING 81. LETTER. SEPTEMBER 8, 1989

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

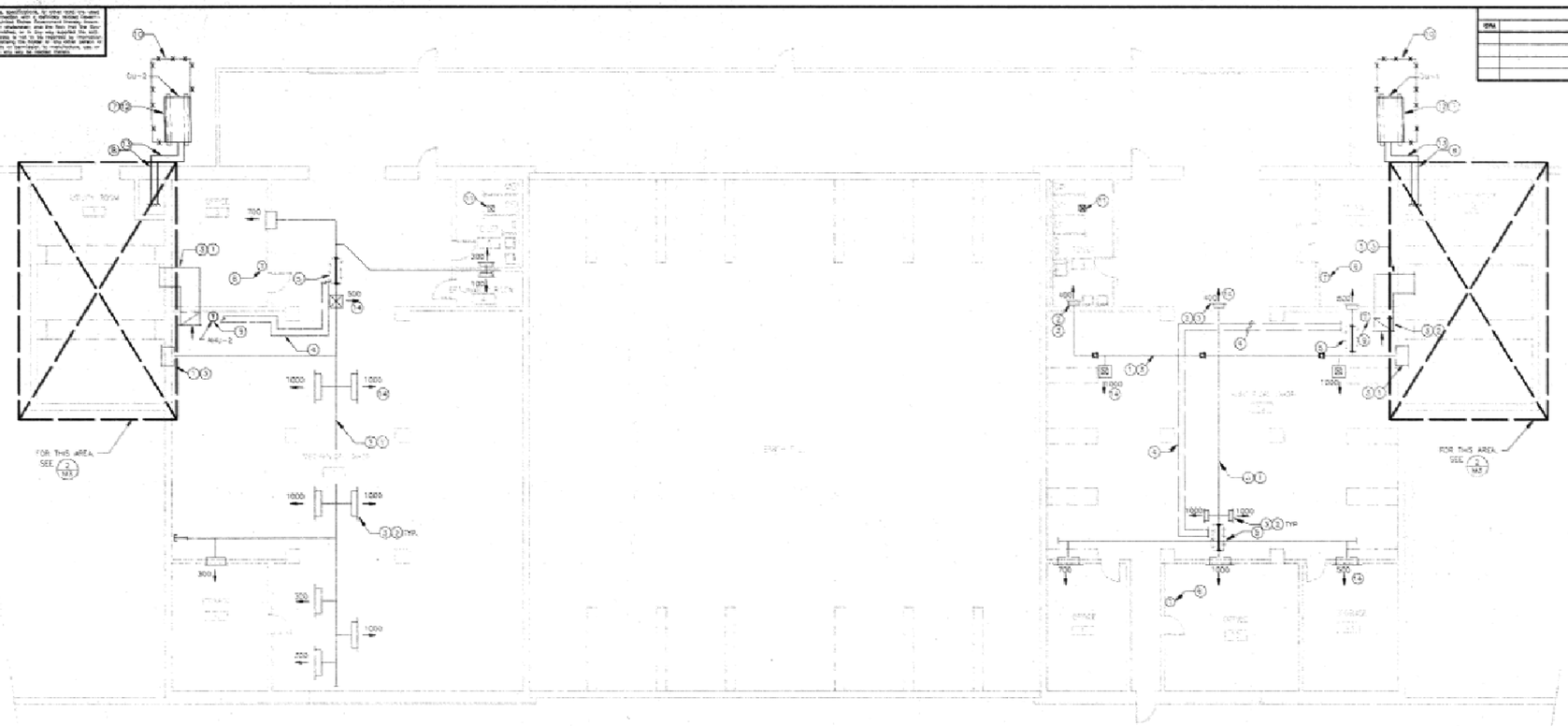
FIGURE 8-4FP BLDG 81f

BUILDING 81 FLOOR PLAN

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4567.mxd

TETRA TECH EC, INC.



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

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED

SHEET NOTES :

1. EXISTING DUCT TO REMAIN. (TYPICAL)
2. EXISTING DIFFUSERS & REGISTERS TO REMAIN. BALANCE SYSTEM TO CFM AS SHOWN. TYP. FOR ALL.
3. CLEAN ALL DUCTWORK (INSIDE) AND DIFFUSERS OF ALL DEBRIS, DUST, ETC.
4. ABANDON PIPING IN PLACE. CAP PIPE ENDS.
5. REMOVE EXISTING BY-PASS DUCT & HEATING COIL. INSTALL NEW CONNECTOR & PATCH EXISTING DUCT AIRTIGHT.
6. REMOVE UNUSED THERMOSTATS AND CONTROL TUBING. PATCH AND PAINT WALL TO MATCH. TYPICAL FOR ALL.
7. (N) AIR COOLED CONDENSING UNIT. SET UNIT ON WOOD SLEEPERS. SECURE WITH 1/4"DIA. LAG BOLTS.
8. RUN PIPES THRU (E) WALL OPENING. SEAL WATERTIGHT.
9. REPLACE (E) THERMOSTAT WITH (N)THERMOSTAT AS SPECIFIED.
10. REMOVE (E) AIR-COOLED CONDENSER AND PIPING. RECLAIM REFRIGERANT (R12) PER CODE AND RETURN TO OWNER. PATCH (2) PIPE HOLES IN WALL.
11. (E)EXHAUST FAN TO REMAIN. CHECK AND SERVICE FAN FOR PROPER OPERATION.
12. PROVIDE (N) SLEEPER(S) AS REQUIRED. (N) SLEEPER TO MATCH (E) SLEEPER. REMOVE UNUSED (E) SLEEPER AND PATCH SURFACE AS REQUIRED.
13. NEW REFRIGERANT PIPES PIPE SIZE AS RECOMMENDED BY THE MANUFACTURER OF UNIT. SUBMIT DATA FOR APPROVAL. RUN PIPES TIGHT TO BEAM.
14. CLEAN AND RE-USE ALL (E) DIFFUSERS. TYPICAL

IF THIS SHEET IS LESS THAN 28"X40" IT IS A REDUCED PRINT-SCALE REDUCED ACCORDINGLY.

M2

Ford Engineers, Inc.
CHAMBERLAIN/PAINTER
Consulting Engineers, Electrical/Mechanical
130 OAKLAND BLVD
WALNUT CREEK, CALIFORNIA 94594
(510) 935-9000 Fax (510) 932-0000

PWO DWG. NO.	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL WEAPONS STATION CONCORD, CALIFORNIA
DES.	DR. R.ROSAPOLSKI
DATE	SPEC.
DWN.	SUPERVISOR
CHKD. & CHG.	
DIRECTOR	
INSPECTOR IN CHARGE	
APPROVED	DATE
DRAWER IN CHARGE	

HVAC SYSTEM REPLACEMENT TO BUILDING 81

HVAC FLOOR PLAN

CODE IDENT NO.	SIZE	MAPSAC DRAWING NO.
80091	F	6397195

SCALE AS NOTED DATE 12-05-2000 SHEET 3 OF 3

HISTORICAL RADIOLOGICAL ASSESSMENT

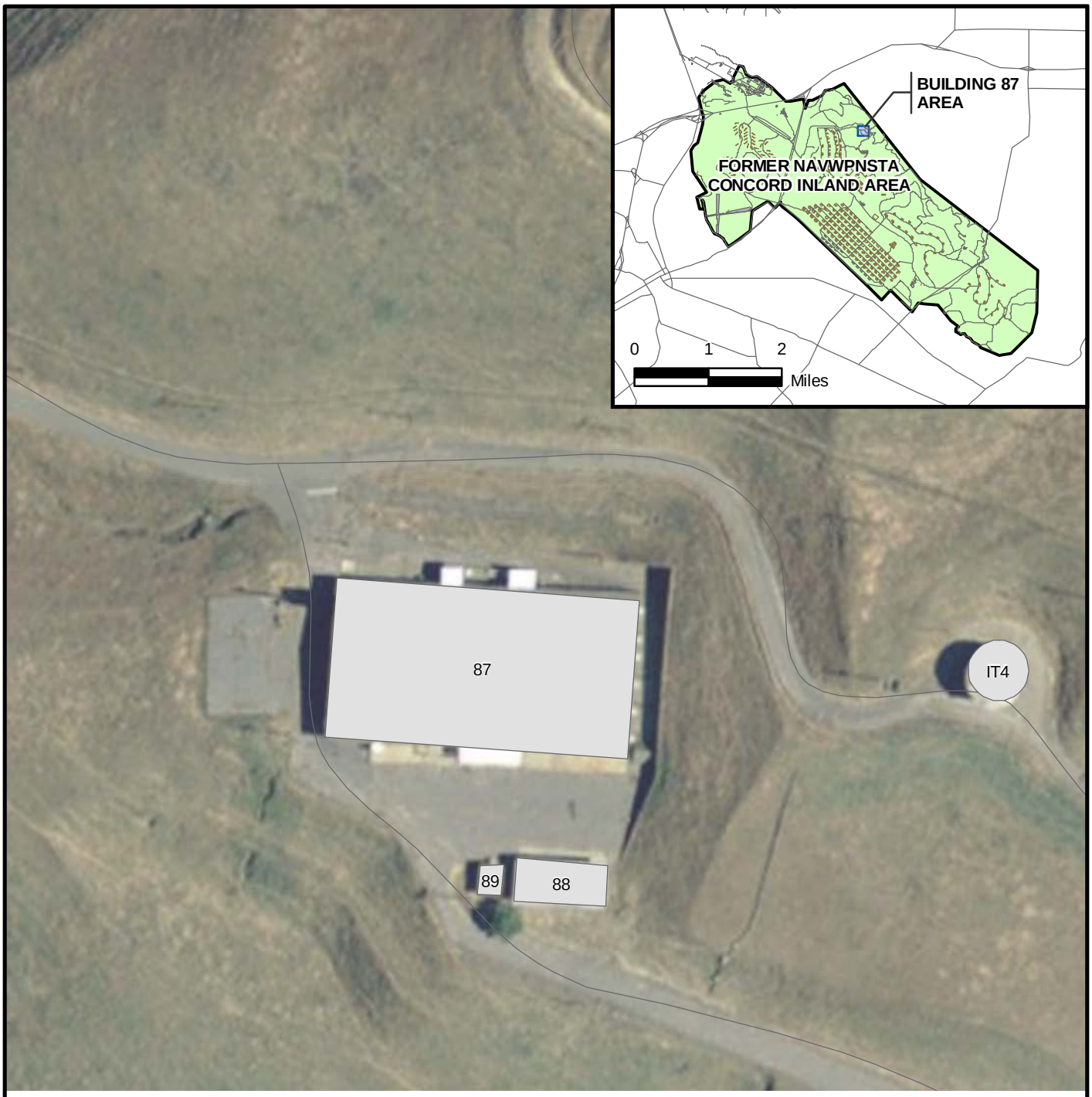
FIGURE 8-4FP BLDG 81g

HVAC SYSTEM REPLACEMENT TO BUILDING 81

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 09040114568.mxd

TETRA TECH EC, INC.



LEGEND

- ROAD
- AMMUNITION MAGAZINE
- FORMER NAVWPNSTA CONCORD INLAND AREA BOUNDARY
- BUILDING
- RUNWAY

N

50 0 50 100 Feet

NOTE:

ONLY THE SITES CALLED OUT IN SECTION 8.0 ARE CONSIDERED IMPACTED FOR THE PURPOSE OF THIS HISTORICAL RADIOLOGICAL ASSESSMENT.

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-5

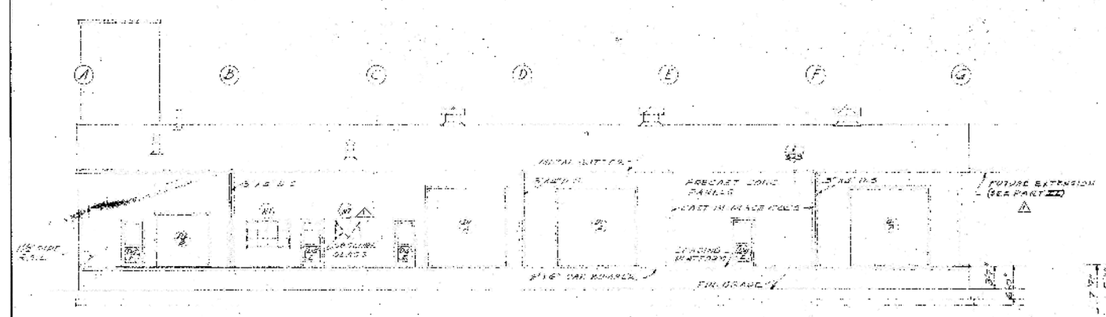
BUILDING 87

FORMER NAVWPNSTA CONCORD, CALIFORNIA

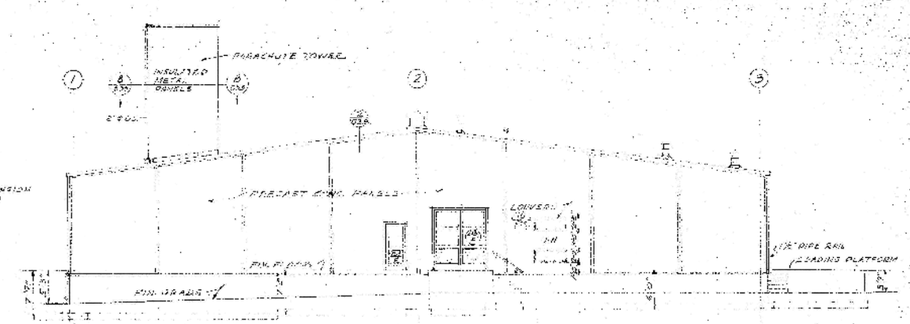
REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401I4569.mxd

TETRA TECH EC, INC.

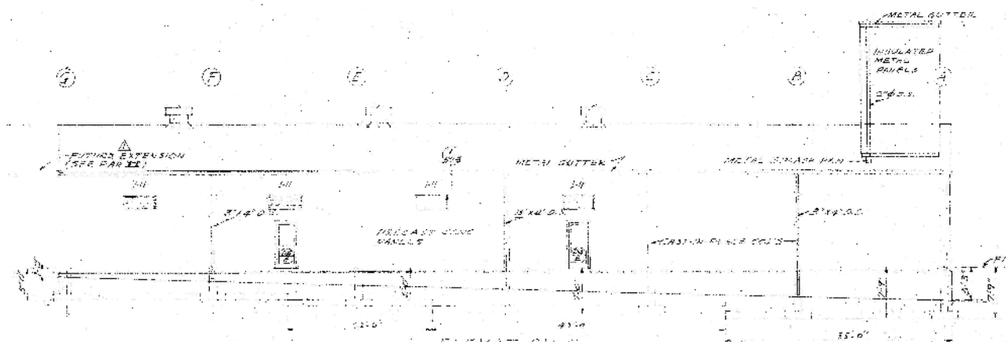
CONFIDENTIAL



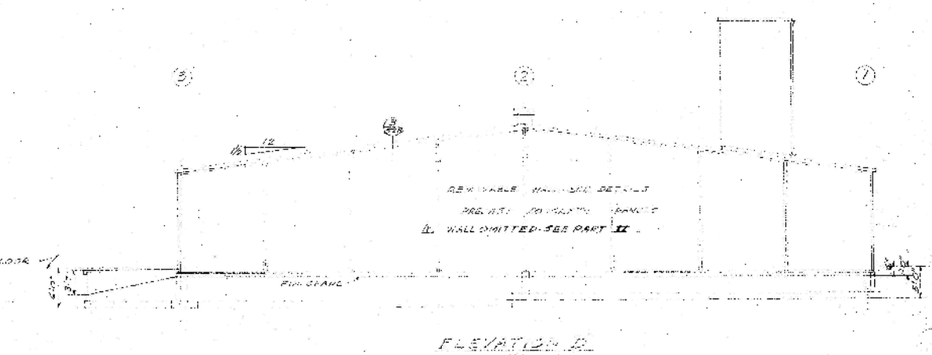
ELEVATION A
SCALE 1/8"=1'-0"



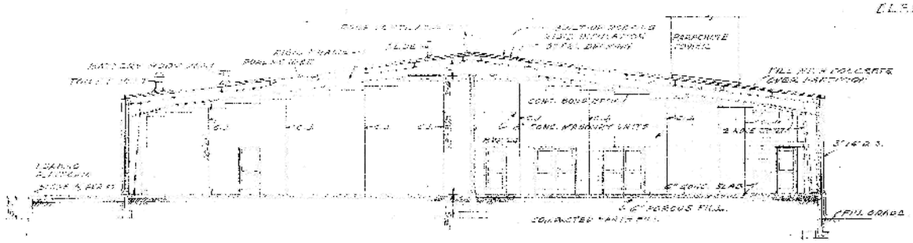
ELEVATION B
SCALE 1/8"=1'-0"



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



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



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

ELEV. C
ELEV. B
ELEV. D
ELEV. A

KEY PLAN
NO SCALE

CONFIDENTIAL

SYMBOL	DESCRIPTION	DATE	APPROVAL
1	AS BUILT REVISIONS - SUBMITTED BY INGRAM-CUSH ASSN.	6-24-59	

REVISIONS

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

SATISFACTORY TO
SIGNATURE
TITLE
DATE

SUBMITTED BY INGRICO ENGINEERS, INC.
DATE 5/1/57

A&E JOB NO. 56561
A&E DWG. NO. 121
DESIGNED
DRAWN
CHECKED
SPEC. CHK.
PRE. REC.
SOIL CON.
WAS. DIV.
CATH. PRO.
S.M. & PAV'G
DIR. DESIGN
P.G.D. DES.
DPWO DRAWING NO. B-58121

APPROVED FOR BUREAU OF YARDS AND DOCKS
DATE 19 MAY 1957

DEPARTMENT OF THE NAVY
DISTRICT PUBLIC WORKS OFFICE
INGRICO ENGINEERS, INC.
2060 MERCED STREET, SAN LEANDRO, CALIFORNIA

BUREAU OF YARDS & DOCKS
12TH NO SAN BRUNO, CAL.

NAVAL MAGAZINE, PORT CHICAGO
CONCORD, CALIFORNIA

PART I
ADDITIONAL AMMUNITION STORAGE FACILITIES
INERT STORAGE & PROCESSING BLDG.
ELEVATIONS & SECTION

APPROVED FOR RESIDENT OFFICER IN CHARGE (A & E CONTRACT)
DATE 8-16-62

SCALE AS SHOWN
SPEC. 9449/57
SHEET 121 OF 151
NO. 9449
T&D DRAWING NO. 744527

HISTORICAL RADIOLOGICAL ASSESSMENT

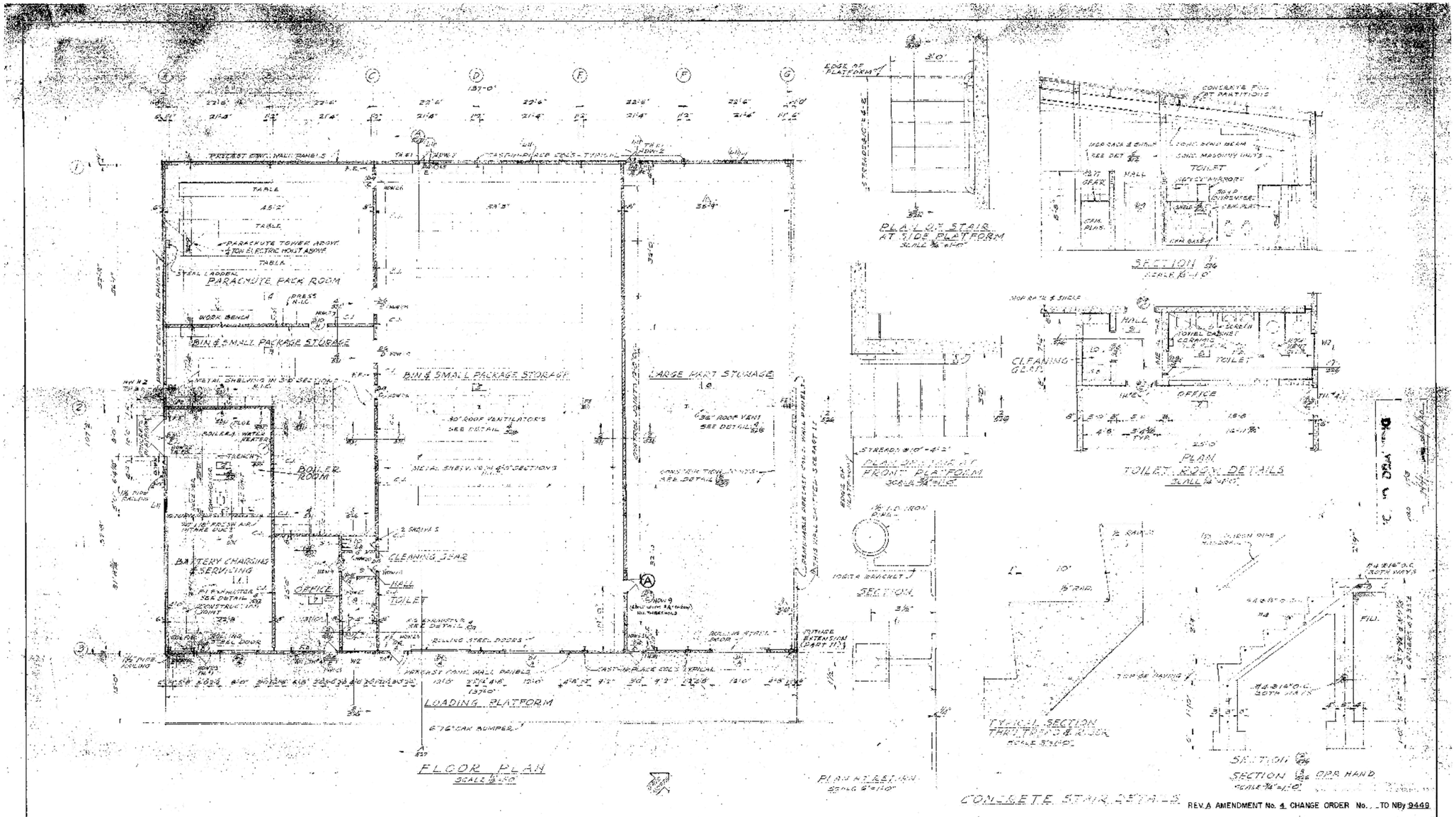
FIGURE 8-5FP BLDG 87a

ADDITIONAL AMMUNITION STORAGE FACILITIES

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 0904011L4570.mxd

TETRA TECH EC, INC.



REV. A AMENDMENT No. 4 CHANGE ORDER No. TO NBy 9449

SYMBOL	DESCRIPTION	DATE	APPROVAL
A	AS MOUT REVISIONS OUTSIDE WALL PANELS	6-26-57	
A	Added Door	11-27-58	

REVISIONS

INTERIOR FINISH SCHEDULE

ROOM NO.	ROOM DESCRIPTION	FLOOR MAT'L	FLOOR FINISH	BASE MAT'L	BASE FINISH	WAINSCOT MAT'L	WAINSCOT FINISH	WALL MAT'L	WALL FINISH	CEILING MAT'L	CEILING FINISH	TRIM MAT'L	TRIM FINISH	COLOR REMARKS
1	BATTERY CHARGING & SERVICING	CONC.	NAT.	—	—		—	CONC. & B.	ENAMEL	STEEL	ENAMEL	METAL	ENAMEL	PR #5
2	BOILER ROOM	CONC.	NAT.	—	—			CONC. & B.	ENAMEL	STEEL	ENAMEL	METAL	ENAMEL	PR #4
3	BIN & SMALL PACKAGE STORAGE	CONC.	NAT.	—	—			CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #5
4	PARACHUTE PACK ROOM	CONC.	WAX	—	—			CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #3
5	MINE SMALL PACKAGE STORAGE	CONC.	NAT.	—	—			CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #5
6	LARGE PART STORAGE	CONC.	NAT.	—	—			CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #5
7	OFFICE	ASP. TILE	WAX	CO. TILE	—			CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #7
8	TOILET	CER. TILE	NAT.	CER.	B.	CER. PLAS.	ENAMEL	CONC. & B.	ENAMEL	STEEL	ENAMEL	METAL	ENAMEL	PR #13
9	HALL	CONC.	NAT.	—	—			CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #7
10	CLEANING GEAR	CONC.	NAT.	CER.	B.	CER. PLAS.	ENAMEL	CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #13

GENERAL NOTES

1. PROVIDE WET PIPE SPRINKLER SYSTEM IN ENTIRE BUILDING UNDER UNIFORM DISCHARGE DENSITY PER SPEC. 24-404(16) & NAV. DOCKS TP-NUM IN AREAS 3, 5 & 6, AND ORDINARY HAZARD OCCUPANCIES SCHEDULE IN THE REMAINDER OF THE BUILDING.
2. ALL EXPOSED PIPE, CONDUIT, DUCTWORK & MISC. METAL SHALL BE PAINTED AS TRIM.
3. PROVIDE ALL NECESSARY ANCHORS, SLEEVES, FRAMES & INSERTS REQUIRED FOR MECHANICAL & ELECTRICAL WORK.

GRAPHIC SCALES

SATISFACTORY TO
SIGNATURE
TITLE
DATE
SUBMITTED BY INDENCO ENGINEERS, INC.
DATE 5/1/57

A&E JOB NO. 58551
A&E DRWG. NO. 120
DESIGNED
DRAWN
CHECKED
SPEC. CIR.
PRE. PROV.
SOIL CON.
RES. DEC.
CATH. PROT.
S. M. & DAYS
SUB. DESIGN
P. & D. OFF.
DPWO DRAWING NO. B-58120

APPROVED FOR BUREAU OF YARDS AND DOCKS
FOR: DIRECTOR, DIVISION OF DESIGN
DATE 16 MAY 1957

DEPARTMENT OF THE NAVY
DISTRICT PUBLIC WORKS OFFICE
INDENCO ENGINEERS, INC.
2966 MERCED STREET, SAN LEANDRO, CALIFORNIA
NAVAL MAGAZINE, PORT CHICAGO
CONCORD, CALIFORNIA

BUREAU OF YARDS & DOCKS
17TH ND SAN BRUNO, CAL.

PART I
ADDITIONAL AMMUNITION STORAGE FACILITIES
INERT STORAGE & PROCESSING BLDG.
PLAN & INTERIOR DETAILS

APPROVED: FOR: PRESIDENT OFFICER IN CHARGE
DATE: 5/1/57
A & E CONTRACTOR
SCALE AS SHOWN
SPEC. 9440/57
SHEET 120 OF 151
NBy 9449
T&D DRAWING NO. 744526

CONFIDENTIAL

HISTORICAL RADIOLOGICAL ASSESSMENT

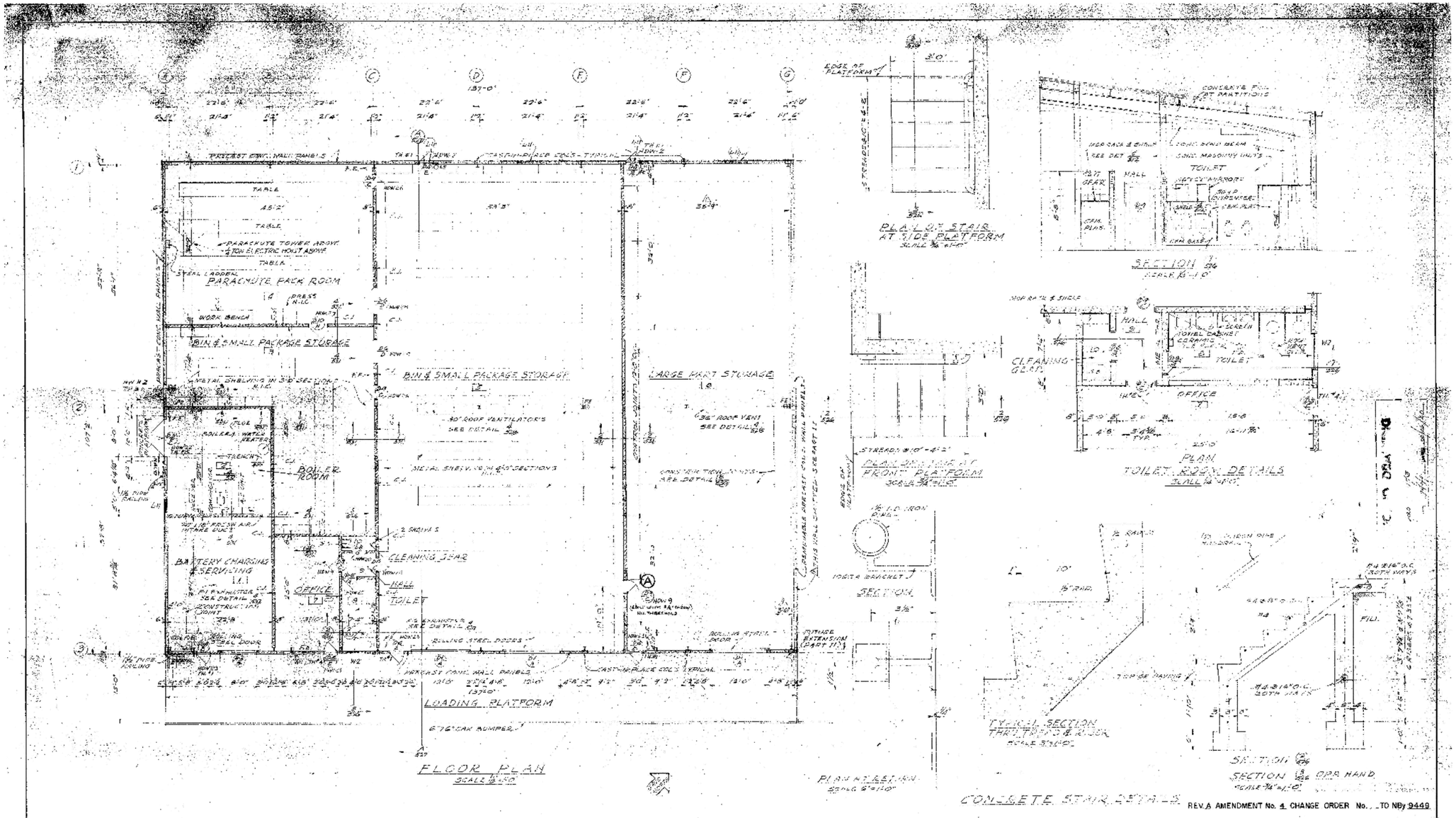
FIGURE 8-5FP BLDG 87b

ADDITIONAL AMMUNITION STORAGE FACILITIES

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 09040114571.mxd

TETRA TECH EC, INC.



REV. A AMENDMENT No. 4 CHANGE ORDER No. _ TO NBy 9449

SYMBOL	DESCRIPTION	DATE	APPROVAL
A	AS MOUT REVISIONS OUTSIDE WALL PANELS	6-26-57	
A	Added Door	11-27-58	

REVISIONS

INTERIOR FINISH SCHEDULE

ROOM NO.	ROOM DESCRIPTION	FLOOR MAT'L	FLOOR FINISH	BASE MAT'L	BASE FINISH	WAINSCOT MAT'L	WAINSCOT FINISH	WALL MAT'L	WALL FINISH	CEILING MAT'L	CEILING FINISH	TRIM MAT'L	TRIM FINISH	COLOR REMARKS
1	BATTERY CHARGING & SERVICING	CONC.	NAT.	----	----		----	CONC. & B.	ENAMEL	STEEL	ENAMEL	METAL	ENAMEL	PR #5
2	BOILER ROOM	CONC.	NAT.	----	----			CONC. & B.	ENAMEL	STEEL	ENAMEL	METAL	ENAMEL	PR #4
3	BIN & SMALL PACKAGE STORAGE	CONC.	NAT.	----	----			CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #5
4	PARACHUTE PACK ROOM	CONC.	WAX	----	----			CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #3
5	MINE SMALL PACKAGE STORAGE	CONC.	NAT.	----	----			CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #5
6	LARGE PART STORAGE	CONC.	NAT.	----	----			CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #5
7	OFFICE	ASP. TILE	WAX	ASP. TILE	----			CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #7
8	TOILET	CER. TILE	NAT.	CER.	B.	CER. PLAS.	ENAMEL	CONC. & B.	ENAMEL	STEEL	ENAMEL	METAL	ENAMEL	PR #13
9	HALL	CONC.	NAT.	----				CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #7
10	CLEANING GEAR	CONC.	NAT.	CER.	B.	CER. PLAS.	ENAMEL	CONC. & B.	FLAT PT.	STEEL	FLAT PT.	METAL	ENAMEL	PR #13

GENERAL NOTES

1. PROVIDE WET PIPE SPRINKLER SYSTEM IN ENTIRE BUILDING UNDER UNIFORM DISCHARGE DENSITY PER SPEC. 24-404(16) & NAV. DOCKS TP-NUM IN AREAS 3, 5 & 6, AND ORDINARY HAZARD OCCUPANCIES SCHEDULE IN THE REMAINDER OF THE BUILDING.
2. ALL EXPOSED PIPE, CONDUIT, DUCTWORK & MISC. METAL SHALL BE PAINTED AS TRIM.
3. PROVIDE ALL NECESSARY ANCHORS, SLEEVES, FRAMES & INSERTS REQUIRED FOR MECHANICAL & ELECTRICAL WORK.

GRAPHIC SCALES

1/4"=1'-0" 1/8"=1'-0" 3/16"=1'-0" 3/32"=1'-0" 1/16"=1'-0"

A&E JOB NO.	58551
A&E DRWG. NO.	120
DESIGNED	
DRAWN	
CHECKED	
SPEC. CIR.	
PRE. PROV.	
SOIL CON.	
RAS. DEC.	
CATH. PRO.	
S. M. & PAVE.	
SUB. DESIGN	
P. & D. OFF.	
DPWO DRAWING NO.	B-58120

SATISFACTORY TO _____ SIGNATURE _____ TITLE _____ DATE _____

SUBMITTED BY INDENCO ENGINEERS, INC. _____ DATE 5/1/57

APPROVED FOR BUREAU OF YARDS AND DOCKS: _____ FOR CHIEF OF BUREAU DATE 16 MAY 1957

DEPARTMENT OF THE NAVY
DISTRICT PUBLIC WORKS OFFICE
INDENCO ENGINEERS, INC.
2966 MERCED STREET, SAN LEANDRO, CALIFORNIA
NAVAL MAGAZINE, PORT CHICAGO
CONCORD, CALIFORNIA

BUREAU OF YARDS & DOCKS
17TH ND SAN BRUNO, CAL.

PART I
ADDITIONAL AMMUNITION STORAGE FACILITIES
(INERT STORAGE & PROCESSING BLDG.
PLAN & INTERIOR DETAILS

APPROVED: _____ DATE 5/1/57
FOR: PRESIDENT OFFICER IN CHARGE (A & E COMMAND)

SCALE AS SHOWN | SPEC. 9440/57
SHEET 120 OF 151 | NBy 9449
T&D DRAWING NO. 744526

CONFIDENTIAL

HISTORICAL RADIOLOGICAL ASSESSMENT

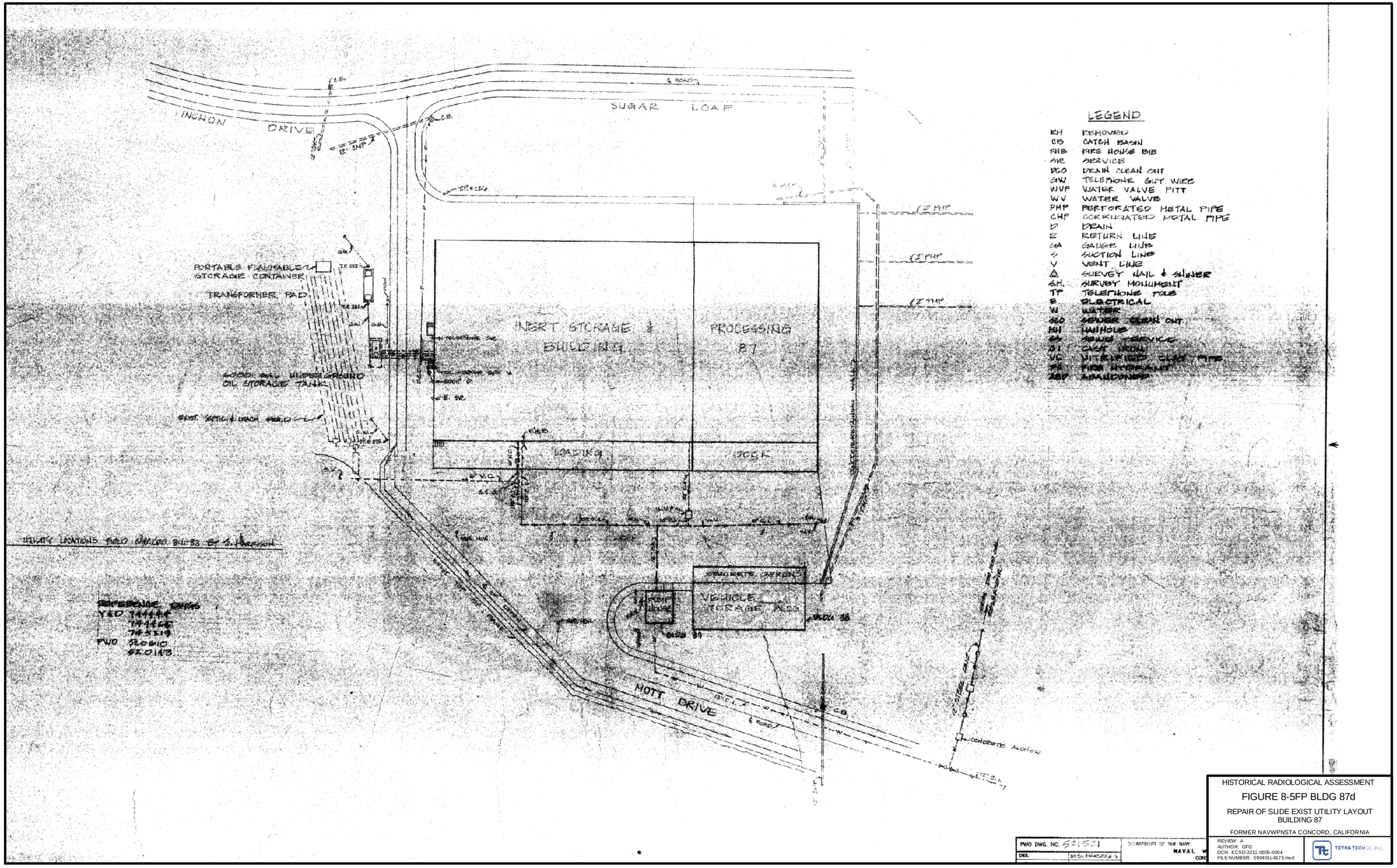
FIGURE 8-5FP BLDG 87c

ADDITIONAL AMMUNITION STORAGE FACILITIES

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 09040114572.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-5FP BLDG 87d

REPAIR OF SLIDE EXIST UTILITY LAYOUT
BUILDING 87

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4573.mxd

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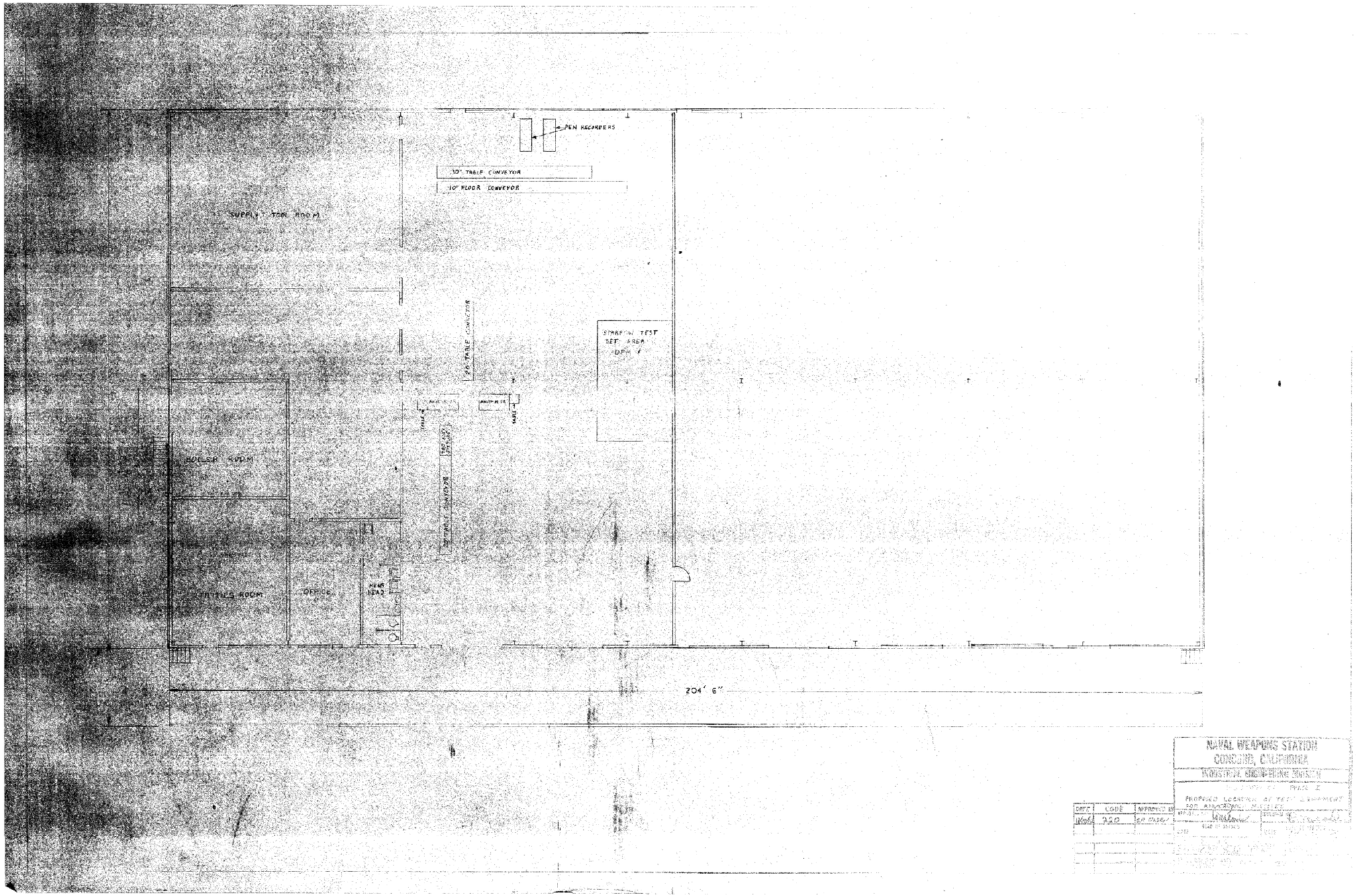

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-5FP BLDG 87e

BUILDING 87 PHASE I - PROPOSED LOCATION OF TEST EQUIPMENT FOR AIR LAUNCH MISSILES

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4574.mxd

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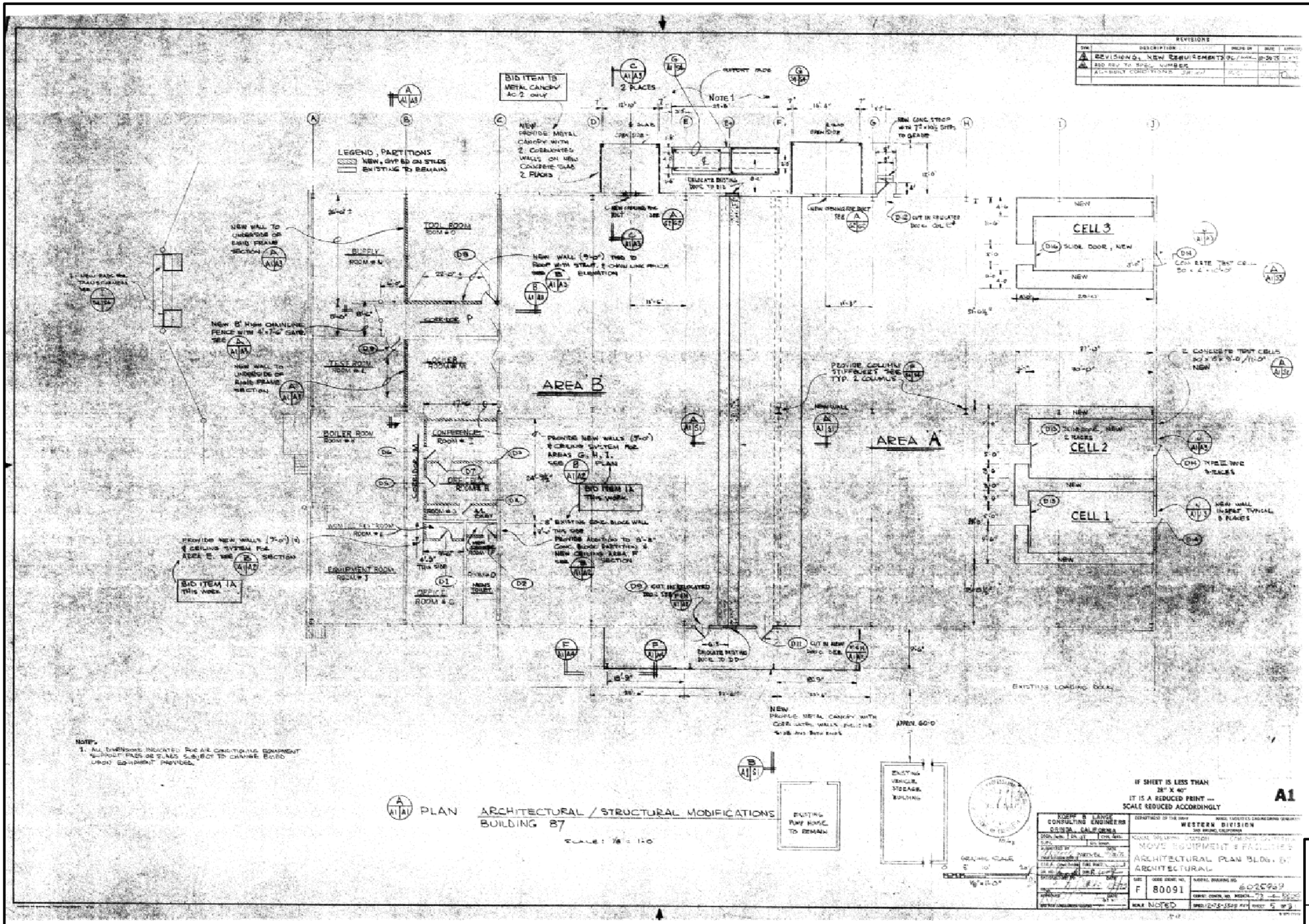


HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-5FP BLDG 87f

MOVE EQUIPMENT AND FACILITIES
ARCHITECTURAL PLAN BUILDING 87

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4575.mxd

TETRA TECH EC, INC.

LEGEND

- ROAD
- RAILROAD
- DEPLETED URANIUM MUNITIONS MAGAZINES
- AMMUNITION MAGAZINES
- BUILDING

250 0 250 500
Feet

N

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

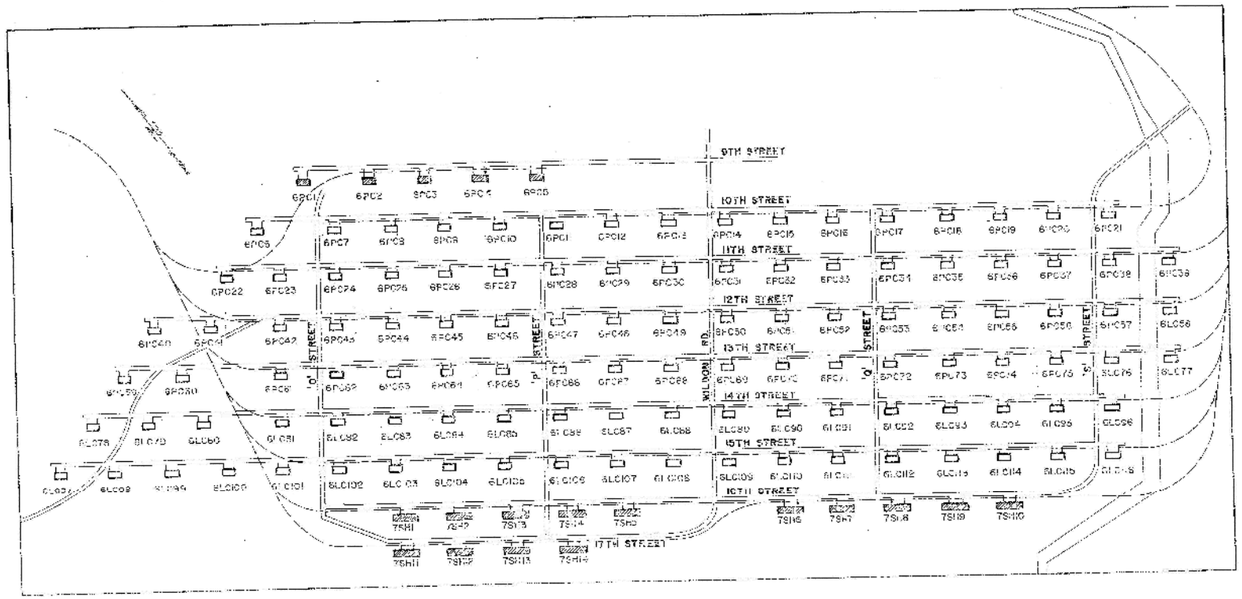
FIGURE 8-6

DEPLETED URANIUM MUNITIONS MAGAZINES
6LC87, 6LC88, 6LC96, 6PC44, 6PCZ65, 6PCZ58

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4576.mxd

TETRA TECH EC, INC.



LOCATION PLAN
SCALE: 1"=400'-0"

LEGEND:

IN CONTRACT

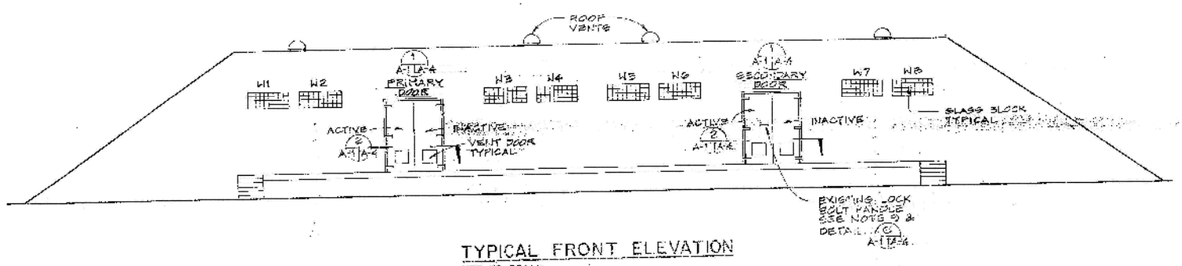
NOT INCLUDED IN THIS CONTRACT

NOTES:

1. RE-ALIGN ALL DOOR PANELS TO ORIGINAL SPECIFIED TOLERANCES. SEE DRAWING A-4.
2. REPAIR/REPLACE MISALIGNED OR MISSING 1x5/8 BAR STRIP WEATHERSTOP WELDED TO DOOR FRAME. SEE DETAIL (3) A-4/A-4
3. REMOVE & REPLACE DAMAGED DOOR HINGES. REPLACE ALL EXISTING DOOR HINGE PINS WITH 3/4"Ø BOLTS AND 2 NUTS TACK WELDED TO BOLTS. SEE DETAIL (A) A-4/A-4
4. WELD ALL GAPS CONTINUOUS ALONG VENT DOOR OPENING.
5. REPAIR OR REPLACE DAMAGED LOCK BOLTS, HEAD & SILL, INCLUDING PINS, CHAINS TO OPERABLE CONDITIONS. CLEAN ALL THRESHOLD BOLT SLOTS FREE OF DIRT OR FOREIGN OBJECTS.
6. REMOVAL OF ALL INSTALLED DOOR & JAMB INTERLOCK DEVICE. GRIND SMOOTH ALL SURFACES OF ANY SAFETY HAZARD.
7. INSTALL NEW HIGH SECURITY MAGP ON PRIMARY DOORS. SEE DETAIL (B) A-4/A-4 FOR TYPE OF DOOR APPLICATION.
8. INSTALL NEW DOOR & JAMB INTERLOCK DEVICE. SEE DETAIL (B) A-4/A-4
9. CUT & REMOVE EXTERIOR LOCK BOLT HANDLE FOR SECONDARY DOORS & WELD STANDARD PIPE CAP COVER. SEE DETAIL (C) A-4/A-4
10. PAINTING - DOOR PANEL & DOOR FRAME.
11. A BARRIER (I.E. WELDING CURTAIN, CANVAS, ETC.) MUST BE PLACED BETWEEN THE CONTENTS AND THE WELDING OPERATION.
12. A FIRE WATCH MUST BE PRESENT OUTSIDE THE MAGAZINE AND THE MAGAZINE DOORS MUST REMAIN OPEN DURING THE WELDING OPERATION.
13. THE MAGAZINES MUST BE SWEPT AND ALL TOOLS, EXCESS MATERIALS AND WASTE REMOVED DAILY.

ABBREVIATIONS:

BLK.	BLOCK
BOT.	BOTTOM
CLR.	CLEAR
EXIST.	EXISTING
E.W.	EACH WAY
G.F.E.	GOVERNMENT FURNISHED EQUIPMENT
HOR.	HORIZONTAL
MAX.	MAXIMUM
MIN.	MINIMUM
PL	PLATE
PRI.	PRIMARY
SEC.	SECONDARY
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL



TYPICAL FRONT ELEVATION
NOT TO SCALE

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
NAVAL WEAPONS STATION
CONCORD, CALIFORNIA

SECURITY HARDENING
GROUP 6 MAGAZINES (PHASE I)
LOCATION PLAN, NOTES & EXTERIOR ELEVATION

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-6FP DU MAGAZINES a

SECURITY HARDENING
GROUP 6 MAGAZINES (PHASE I)

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: RKH
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4577.mxd

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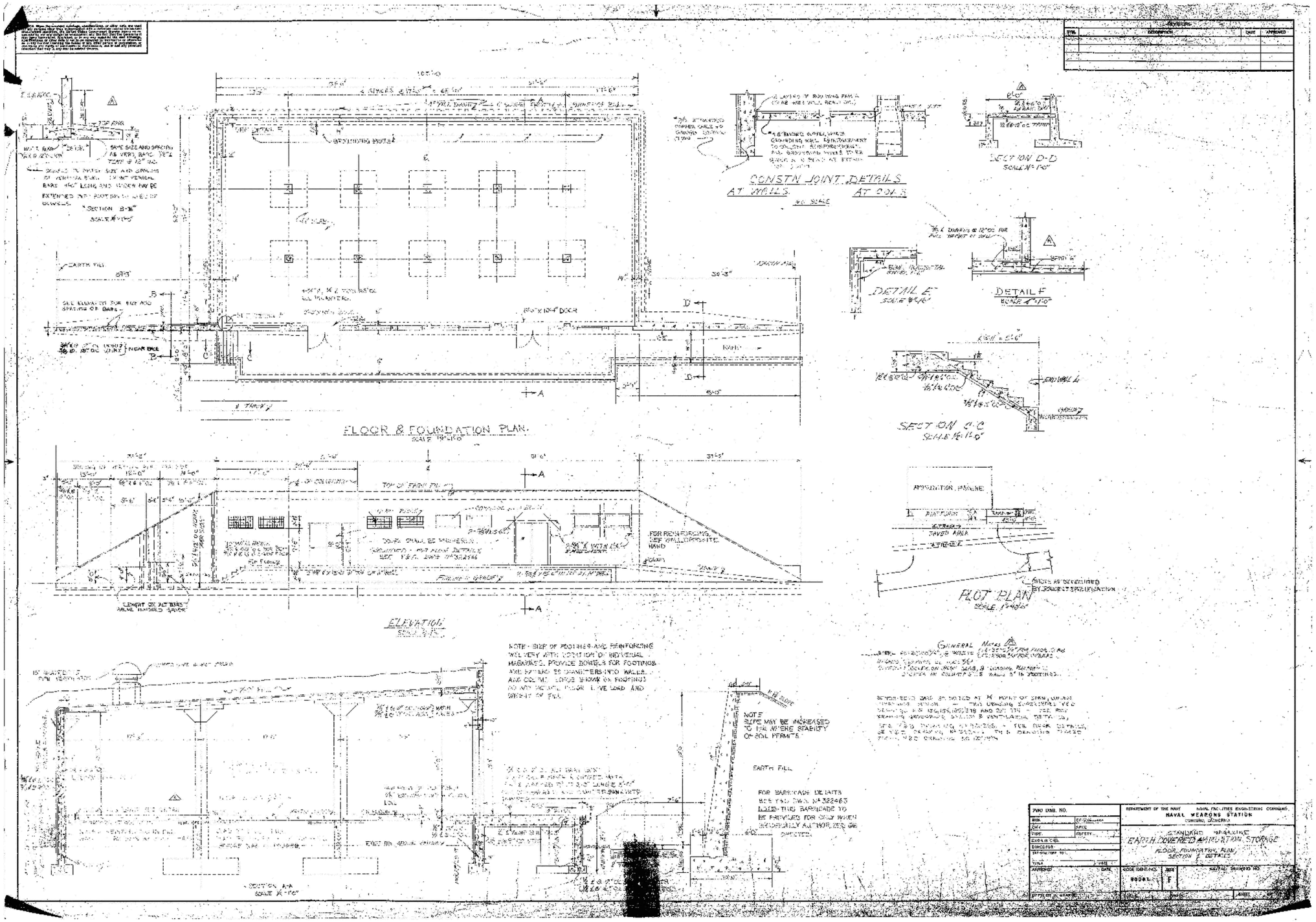

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-6FP DU MAGAZINES b

EARTH COVERED AMMUNITION STORAGE

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: RKH
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4578.mxd

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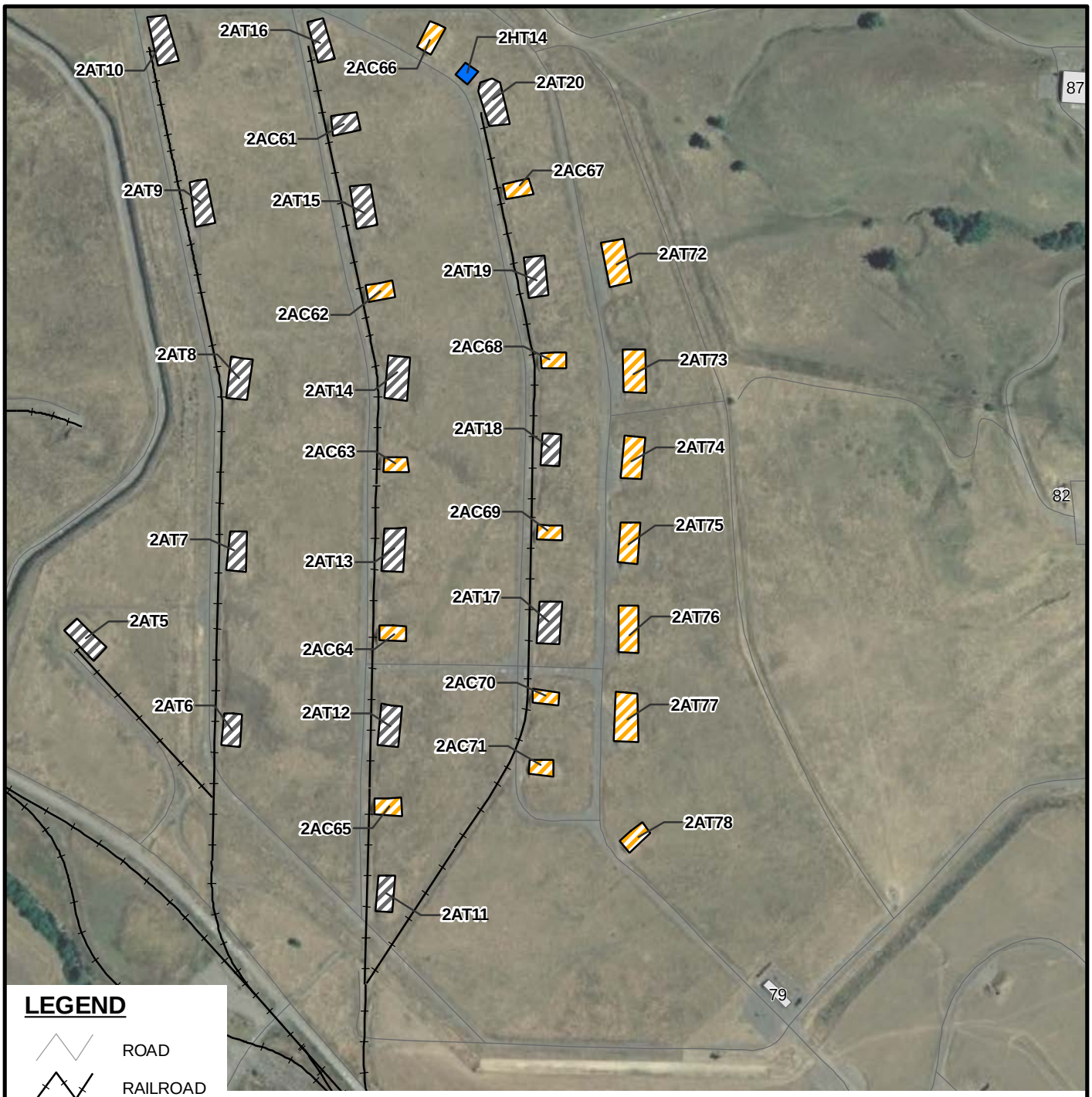

LEGEND

- ROAD
- RAILROAD
- MAG. SPECIAL WEAPONS-RI
- SPECIAL WEAPONS MAGAZINE
- SPECIAL WEAPONS MAGAZINE-BULK
- BUILDING

N

250 0 250 500 Feet

NOTE:

ONLY THE SITES CALLED OUT IN SECTION 8.0 ARE CONSIDERED IMPACTED FOR THE PURPOSE OF THIS HISTORICAL RADIOLOGICAL ASSESSMENT.

SOURCE:

CONCORD INLAND AREA ENVIRONMENTAL STATUS REPORT, MARCH 2005.

NAVAL SEA SYSTEMS COMMAND
YORKTOWN, VIRGINIA

HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-7

SPECIAL WEAPONS MAGAZINE

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: B
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4579.mxd

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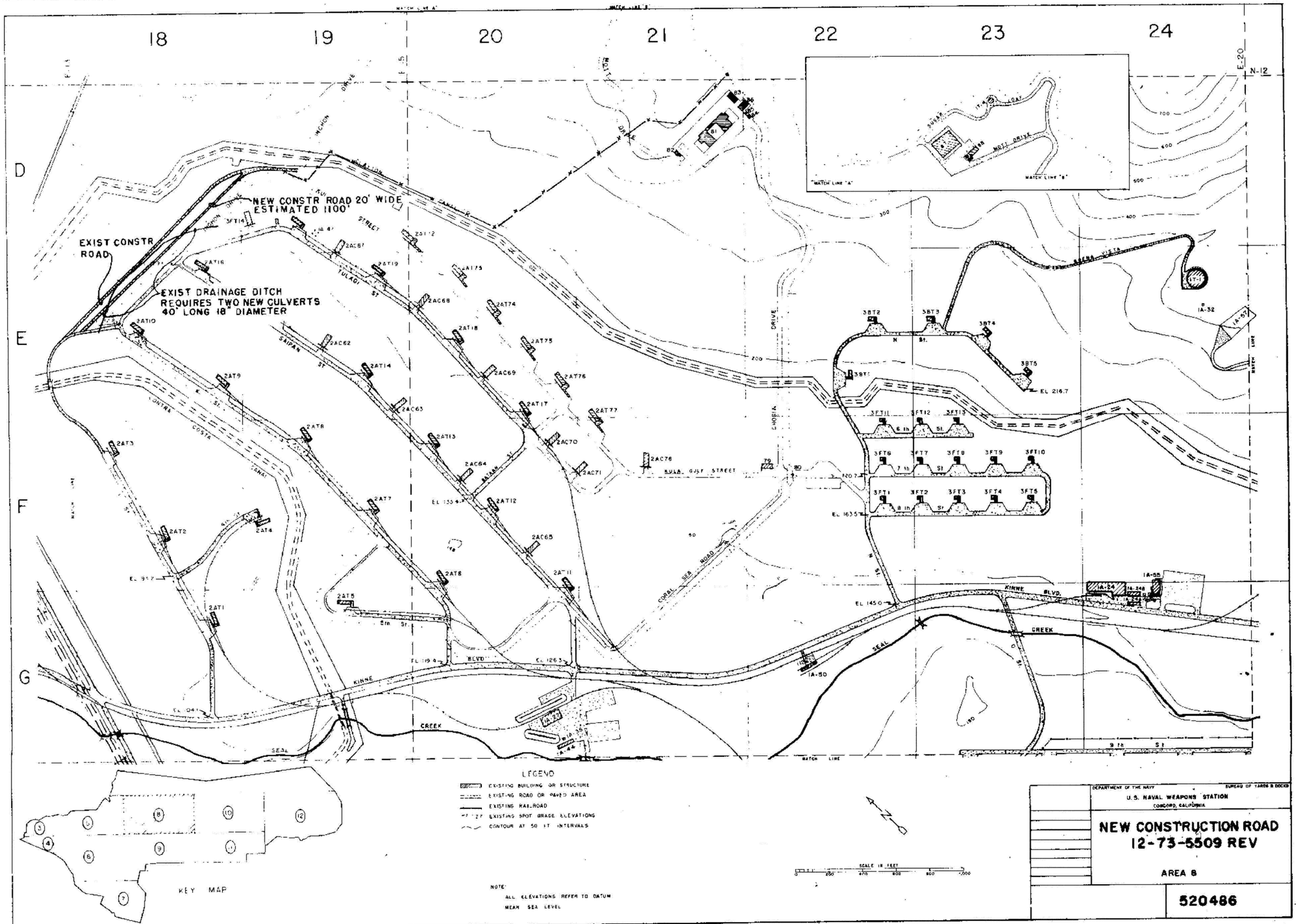


HISTORICAL RADIOLOGICAL ASSESSMENT

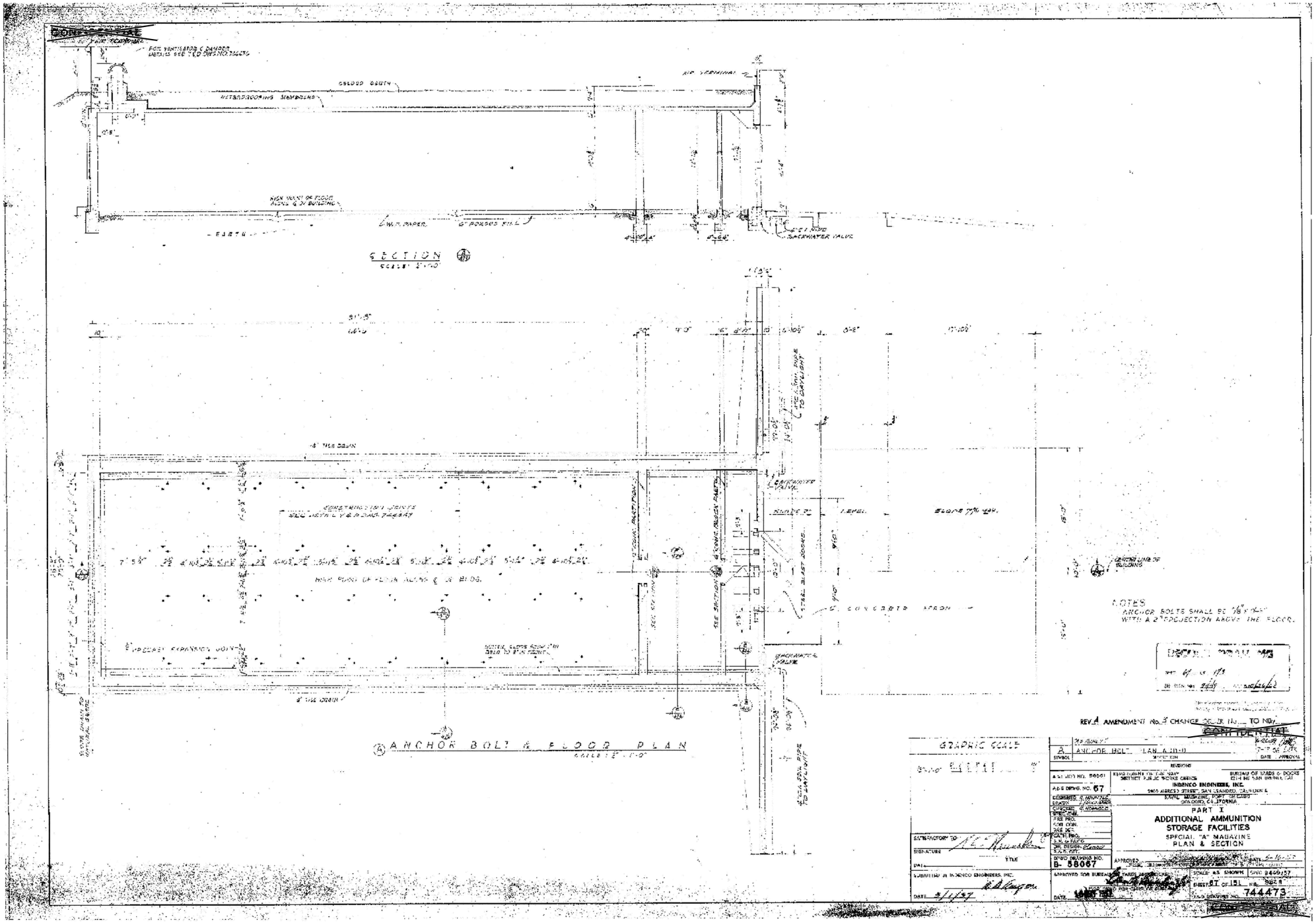
FIGURE 8-7FP SPECIAL WEAPONS MAGAZINE a

NEW CONSTRUCTION ROAD

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: GFG
DCN: ECSD-3211-0005-0004
FILE NUMBER: 0904011L4580.mxd

TETRA TECH EC, INC.



HISTORICAL RADIOLOGICAL ASSESSMENT

FIGURE 8-7FP SPECIAL
WEAPONS MAGAZINE b

ADDITIONAL AMMUNITION STORAGE FACILITIES

FORMER NAVWPNSTA CONCORD, CALIFORNIA

REVIEW: A
AUTHOR: RKH
DCN: ECSD-3211-0005-0004
FILE NUMBER: 090401L4581.mxd

TETRA TECH EC, INC.