



NOTES:

- FLOOR AND ROOF PLANS AND BUILDING ELEVATIONS DEPICT CONDITIONS AT FOUR BARRACKS BUILDINGS (516, 807, 520 AND 811) AT THE ENCLAVE AREA OF STEWART AIR NATIONAL GUARD BASE. PLANS WERE DEVELOPED BASED ON SITE INVESTIGATIONS PERFORMED BETWEEN JULY 19 AND JULY 22, 2004 AND ON JULY 14, 2005.
- FLOOR AND ROOF PLANS ARE TYPICAL AT ALL FOUR BUILDINGS WITH THE EXCEPTION OF THE FIRST FLOOR PLAN OF BUILDING 807 (SEE A-2 FOR BUILDING 807 FIRST FLOOR PLAN). MINOR VARIATIONS ARE PRESENT THROUGHOUT THE BUILDINGS, PRIMARILY RELATING TO THE PRESENCE, OR LACK THEREOF, OF INTERIOR PARTITIONS, ROOM SIZES, LAVATORIES, AND DOOR SWING DIRECTION. FOR A LISTING OF THE DIFFERENCES BETWEEN BUILDINGS AND A CROSS REFERENCING OF ROOM NUMBERS FROM BUILDING TO BUILDING, SEE THE ROOM NAME AND ROOM NUMBER LEGEND ON THIS SHEET.
- THE ARCHITECTURAL SCOPE OF WORK CONSISTS OF THE FOLLOWING ITEMS:
  - FACILITIES PROTECTION: WORK INCLUDES UPGRADING THE MEANS OF EGRESS AND FIRE PROTECTION COMPONENTS OF THE CORRIDORS AND EXIT STAIR, INCLUDING PROVIDING NEW CORRIDOR AND EXIT STAIR DOORS AS INDICATED. WORK ALSO INCLUDES PROVIDING FIRESTOPPING AT LAUNDRY ROOM AND MECHANICAL ROOM WALL PENETRATIONS AND PROVIDING AN ADDITIONAL LAYER OF GYPSUM WALLBOARD AT THE EXIT STAIR IN BUILDING 811. SEE A-9 FOR A DETAILED ACCOUNTING OF FACILITIES PROTECTION COMPONENTS AND BID OPTIONS ASSOCIATED WITH THE FACILITIES PROTECTION WORK.
  - HEAD RENOVATIONS: WORK INCLUDES RENOVATIONS TO THE FIRST AND SECOND FLOOR HEADS. SEE A-7 AND A-8 FOR A DETAILED ACCOUNTING OF HEAD RENOVATIONS, HEAD PART PLANS AND BID OPTIONS ASSOCIATED WITH THE HEADS.
- PRIOR TO COMMENCEMENT OF EXTERIOR WORK ON THE BUILDINGS, PROFESSIONALLY EXTERMINATE YELLOWJACKET, WASP AND HORNET NESTS FROM SIDE OF BUILDING WHERE WORK WILL BE PERFORMED. LOCATIONS WHERE NESTS WERE OBSERVED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: UNDERSIDE OF REAR STAIR PLATFORM, ROOF EAVES AND SOFFITS, WINDOW OPENINGS, EYEBROW DORMERS, AND CHIMNEYS (ATTICS ARE ALSO ASSUMED TO CONTAIN NESTS).
- A LARGE HONEYBEES' NEST IS LOCATED BEHIND THE BRICK VENEER AT THE TOP, FRONT-RIGHT CORNER OF BUILDING 520 (BEHIND THE WALL INSIDE THE SHOWER AREA AT THE SECOND FLOOR HEAD). ~~THE HONEYBEES ARE AN ENDANGERED SPECIES AND ARE NOT TO BE EXTERMINATED, OR THEIR NEST DESTROYED.~~ THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A PROFESSIONAL BEEKEEPER TO REMOVE THE NEST FROM INSIDE THE BUILDING AND RELOCATE IT TO A SUITABLE ENVIRONMENT WHERE IT CAN REGENERATE. IT SHALL BE THE BEEKEEPER'S RESPONSIBILITY TO PERFORM ALL THE DEMOLITION WORK THAT IS NECESSARY TO ACCESS THE HIVE (FROM INSIDE THE SHOWER AREA). THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF THE DEMOLITION DEBRIS. NO DEMOLITION WORK SHALL BE PERFORMED THAT WOULD ENDANGER THE HIVE WHILE THE BEES ARE DORMANT (FROM APPROXIMATELY MID-OCTOBER, 2005 TO EARLY-MAY, 2006). THE HEAD RENOVATION WORK AT THE FOUR BARRACKS SHALL BE PHASED SUCH THAT WORK AT THE SECOND FLOOR HEAD AT BUILDING 520 DOES NOT OCCUR UNTIL APPROXIMATELY EARLY-MAY, 2006, OR SUCH TIME THAT IT IS DETERMINED BY A PROFESSIONAL BEEKEEPER THAT THE HONEYBEES ARE NO LONGER DORMANT AND MAY BE SAFELY RELOCATED.

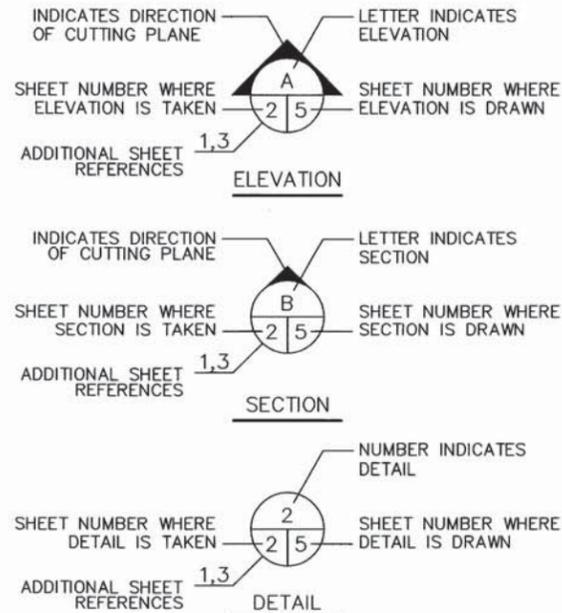
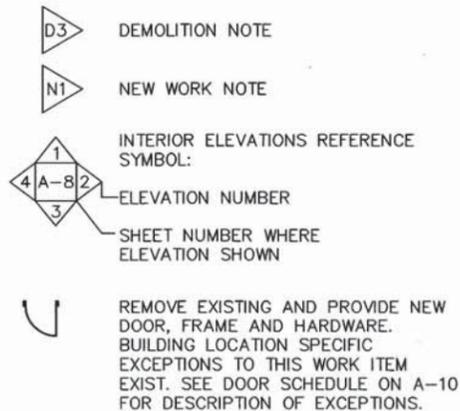
ARCHITECTURAL ABBREVIATIONS:

ACP	ACOUSTICAL CEILING PANEL	N/A	NOT APPLICABLE
ADDL	ADDITIONAL	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	NO	NUMBER
ALUM	ALUMINUM	OC	ON-CENTER
APPROX	APPROXIMATE	OPNG	OPENING
BD	BOARD	PLAM	PLASTIC LAMINATE
BLDG	BUILDING	PNLS	PANELS
CFLG	COUNTERFLASHING	PT	PRESSURE-TREATED
CH	COAT HOOK	PTD	PAINTED, OR
CNTRL	CONTROL	PTN	PAPER TOWEL DISPENSER
CONC	CONCRETE		PARTITION
CT	CERAMIC TILE	R's	RISERS
d	PENNY	R&R	REMOVE AND REINSTALL
D	DEEP, DEPTH	REQD	REQUIRED
DBL	DOUBLE	RH	ROBE HOOK
DIA	DIAMETER	RM	ROOM
DN	DOWN	ROICC	RESERVE OFFICER IN
DS	DOWNSPOUT		CHARGE OF CONSTRUCTION
DWG(S)	DRAWING(S)	RQMTS	REQUIREMENTS
EA	EACH	SD	SOAP DISPENSER
ELEC	ELECTRIC(AL)	SF	SQUARE FOOT (FEET)
EWC	ELECTRIC WATER COOLER	SIM	SIMILAR
EXIST	EXISTING	SMHD	SHELF, METAL, HEAVY-DUTY
EXP	EXPANSION	SQ	SQUARE
FIN	FINISHED	SST	STAINLESS STEEL
FIXT	FIXTURE	T's	TREADS
FL	FLOOR	TCA	TILE COUNCIL OF AMERICA
FND(S)	FOUNDATION(S)	THK	THICK
GND	GROUND	THLD	THRESHOLD
GWB	GYPSUM WALLBOARD	TP	TOWEL PIN
GYP	GYPSUM	TTD	TOILET TISSUE DISPENSER
HDW	HARDWARE	TYP	TYPICAL
HM	HOLLOW METAL	UL	UNDERWRITERS LABORATORY
HR	HOUR	VCT	VINYL COMPOSITION TILE
INSUL	INSULATED, INSULATION	W/	WITH
JT	JOINT	WD	WOOD
JUS	JANITOR'S UTILITY SHELF	WNDW(S)	WINDOW(S)
L	LONG, LENGTH	WR	WASTE RECEPTACLE
LG	LONG	&	AND
LAM	LAMINATED	@	AT
MATL(S)	MATERIAL(S)	#	NUMBER OR POUND(S)
MAX	MAXIMUM	±	PLUS/MINUS
MECH	MECHANICAL	1ST	FIRST
MG	MIRROR, GLASS	2ND	SECOND
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MO	MASONRY OPENING		
MR	MOISTURE RESISTANT		

FLOOR	ROOM NAME ON TYPICAL FLOOR PLANS	CORRESPONDING ROOM NAME/NUMBER				REMARKS
		516	807	520	811	
BASEMENT	EXIT STAIR	SAME	SAME	SAME	SAME	
	CORRIDOR B	N/A	N/A	N/A	N/A	NEW CORRIDOR BEING CREATED
	MECHANICAL ROOM	SAME	SAME	SAME	SAME	
	STORAGE	SAME	SAME(8)	SAME(8)	SAME(8)	SEE NOTE 8
	LAUNDRY ROOM	SAME	SAME(6)	SAME	SAME	SEE NOTE 6
FIRST FLOOR	CRAWL SPACE	SAME	SAME	SAME	SAME	
	VESTIBULE-1	SAME	SAME	SAME	SAME	
	EXIT STAIR	SAME	SAME	SAME	SAME	
	CORRIDOR-1	SAME	SAME	SAME	SAME	
	VESTIBULE-2	SAME	N/A(2)	SAME	SAME	SEE NOTE 2
	HEAD-1	SAME	SAME	SAME	SAME	
	1A	1	STORAGE	1	11	
	1B	2	2	2	13	
	1C	3	3	3	15(1)	SEE NOTE 1
	1D	4	4	4	15(1)	SEE NOTE 1
	1E	5	N/A(2)	5	17	SEE NOTE 2
	1F	6	N/A(2)	6	16	SEE NOTE 2
	1G	7	N/A(2)	7	14	SEE NOTE 2
	1H	8	8	8	12	
1J	9	6	9	12(3)	SEE NOTE 3	
SECOND FLOOR	EXIT STAIR	SAME	SAME	SAME	SAME	
	CORRIDOR-2	SAME	SAME	SAME	SAME	
	VESTIBULE-3	SAME	SAME	SAME	SAME	
	HEAD-2	SAME	SAME	SAME	SAME	
	2A	10	10	10	21	
	2B	11	11	11	23	
	2C	12	12	12	25	
	2D	13	13(4)	13	27	SEE NOTE 4
	2E	14	14(4)	14	29	SEE NOTE 4
	2F	15	15	15	26	
2G	16	16(4)(5)	16	24	SEE NOTES 4 & 5	
2H	17	17	17	22(1)(7)	SEE NOTES 1 & 7	
2J	18	18(4)(5)	18	22(1)	SEE NOTES 1, 4 & 5	

LEGEND

- EXISTING ITEM TO REMAIN
- EXISTING ITEM TO BE REMOVED
- NEW ITEM TO BE PROVIDED UNDER THIS CONTRACT
- (NIC)** ITEM/NOTE/WORK NOT IN CONTRACT
- EXISTING BRICK MASONRY
- [1E]** ROOM NUMBER/ROOM NAME, SEE THIS SHEET FOR ROOM NAME & ROOM NUMBER LEGEND
- (1)** NEW DOOR TYPE, SEE A-10
- (W1)** WINDOW TYPE, SEE A-11



NOTES:

- PARTITIONS SEPARATING ROOMS 1C & 1D AND 2H & 2J EXIST AT ALL BUILDINGS, EXCEPT 811.
- SEE BUILDING 807 FIRST FLOOR PLAN FOR ATYPICAL ROOM CONFIGURATION AT ROOMS 1E, 1F AND 1G.
- BASE AND WALL CABINETS IN ROOM AT BUILDING 811 ONLY.
- PIPE CHASE IN ROOM AT BUILDING 807 ONLY.
- SINK IN ROOM AT BUILDING 807 ONLY.
- PARTITION IN LAUNDRY ROOM AT BUILDING 807 ONLY.
- OPPOSITE DOOR SWING IN BUILDING 811 ONLY.
- STORAGE ROOM PARTITION AT BUILDINGS 811, 807 & 520.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

DESCRIPTION: \_\_\_\_\_

SYMBOL: \_\_\_\_\_

**ENGINEERS**  
FST  
1914  
FAY, SPOFFORD & THORNDIKE  
5 BARRINGTON WOODS  
BURLINGTON, MA 01803

**REGISTERED PROFESSIONAL ENGINEER**  
VICTOR M. GOYONE  
CIVIL  
No. 41734  
REQUIREMENTS MET

APPROVED: \_\_\_\_\_

ACTIVITY - SATISFACTORY TO \_\_\_\_\_

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

FOR EPA FOR COMPLIANCE NAIFAC \_\_\_\_\_

DATE: AUGUST 5, 2005

A/E: \_\_\_\_\_ ETD: \_\_\_\_\_  
 JMC: DESIGN \_\_\_\_\_  
 JMC: DRAWN \_\_\_\_\_  
 DWD: REVIEW \_\_\_\_\_  
 VMG: OC \_\_\_\_\_  
 MAR: CHIEF ARCH/ ENGR \_\_\_\_\_

DESIGN MANAGER: \_\_\_\_\_  
 FIRE PROTECTION: \_\_\_\_\_  
 BRANCH MANAGER: \_\_\_\_\_  
 DESIGN DIRECTOR: \_\_\_\_\_

NAVY FACILITIES ENGINEERING COMMAND  
 ENGINEERING FIELD ACTIVITY NORTHEAST  
 PENNSYLVANIA  
 MCRC STEWART AIR NATIONAL GUARD BASE NEWBURGH, NY  
 ENCLAVE IMPROVEMENTS  
 BUILDINGS 516, 807, 520 & 811  
 ARCHITECTURAL NOTES, LEGEND AND ABBREVIATIONS

CODE ID. NO. 80091 SIZE: D  
 SCALE: AS NOTED  
 ETD. NO.: \_\_\_\_\_  
 STA. PROJ. NO.: \_\_\_\_\_  
 SPEC. NO. 04-04-0030  
 CONSTR. CONTR. NO. N62472-04-C-0030  
 NAVFAC DRAWING NO. 2224472  
 SHEET 2 OF 38

**A-1**

DRAWING REVISION FEBRUARY 2001

CHECK GRAPHIC SCALES BEFORE USING

PROVIDE NEW 3'-6" SQ CONC PAD, LOCATION TO SUIT NEW WATER HEATER, FOR DETAIL, SEE A-12

CORE-DRILL NEW FLUE OPENING IN BLDG 516 ONLY, SEE DWG H-2

PROVIDE FIRESTOPPING AT FLOOR JOIST BAYS @ BEARING ON CONC WALLS AT MECH RM & LAUNDRY RM, FOR DETAILS, SEE A-12

SEE A-9 FOR WALL MATERIALS

REMOVE DOOR, FRAME & HDW, IN-FILL 36"x82" ± OPENING IN WALL W/ 8" CMU; PAINTED EA SIDE

REMOVE WOOD-FRAMED GYPSUM BOARD PARTITION, DOOR, FRAME AND HARDWARE FROM BLDG 807 LAUNDRY ROOM

PROVIDE NEW FULL-HEIGHT GYPSUM BOARD PARTITION, 1-HOUR FIRE-RATED ASSEMBLY (UL DESIGN NO U305), FOR DETAIL, SEE A-12

FOR STAIR PART PLANS, SEE A-9

CUT-IN (SAWCUT) NEW 46" WIDE ± OPENING IN 8" CONC WALL TO SUIT NEW DOOR NO 4, REMOVE WALL FROM FLOOR TO WD SILL (APPROX 8' HIGH), PATCH FLOOR SMOOTH W/ GROUT. COORDINATE EXACT OPNG WIDTH W/ DOOR ROUGH OPNG RQMTS, SEE DOOR DETAIL ON A-10

DIRT FLOOR WITH 3'-6" ± CLEAR HEADROOM TO FLOOR JOISTS

CONCRETE PIER & WD POST W/ WOOD GIRDERS SPANNING BETWEEN POSTS, TYP

NOTE: WOOD POSTS AND FLOOR FRAMING THROUGHOUT THE CRAWL SPACE ARE COVERED IN POLYETHYLENE SHEETS, FORMING A VAPOR BARRIER. REMOVE AND REINSTALL POLYETHYLENE SHEETS WHERE REQUIRED TO PERFORM PLUMBING AND ELECTRICAL WORK IN THE CRAWL SPACE.

WOOD PARTITION PRESENT @ ALL BUILDINGS EXCEPT 516

BLOCKED-IN WINDOW, TYP

TYPICAL FLOOR JOIST SPAN DIRECTION  
1-3/4"x7" WD JOISTS @ 16" OC

MECHANICAL ROOM

STORAGE ROOM

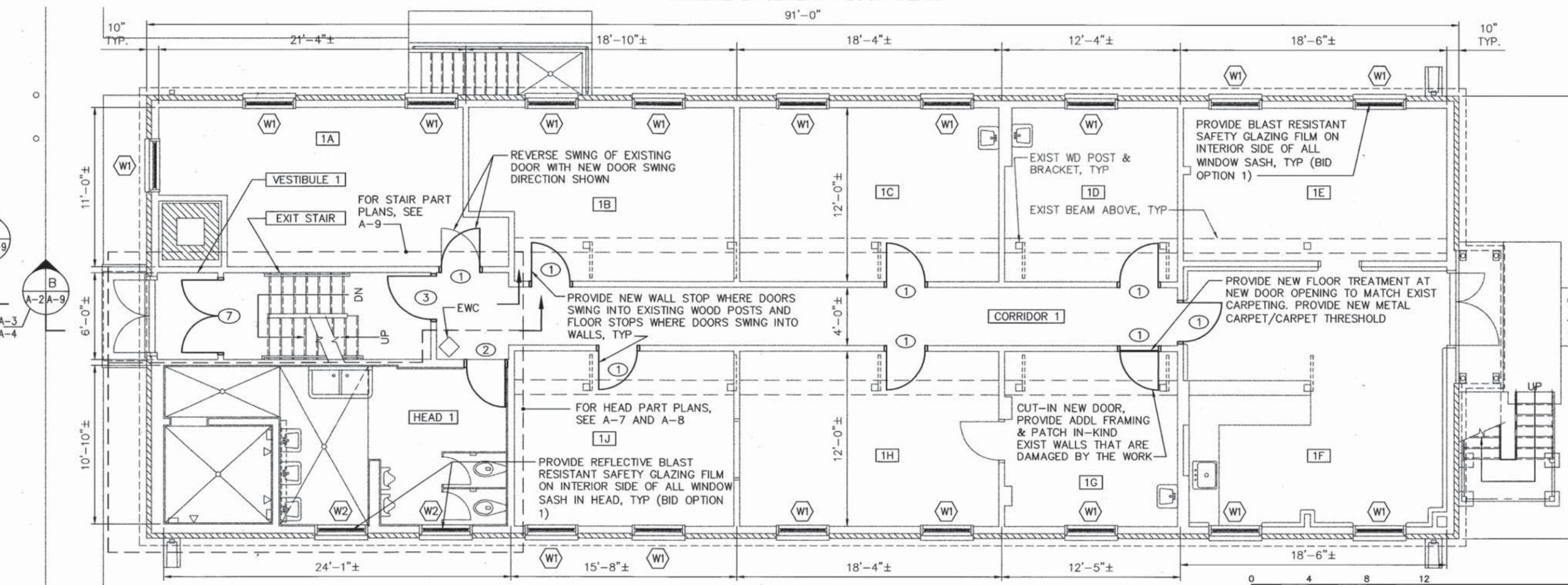
EXIT STAIR

CORRIDOR B

LAUNDRY ROOM

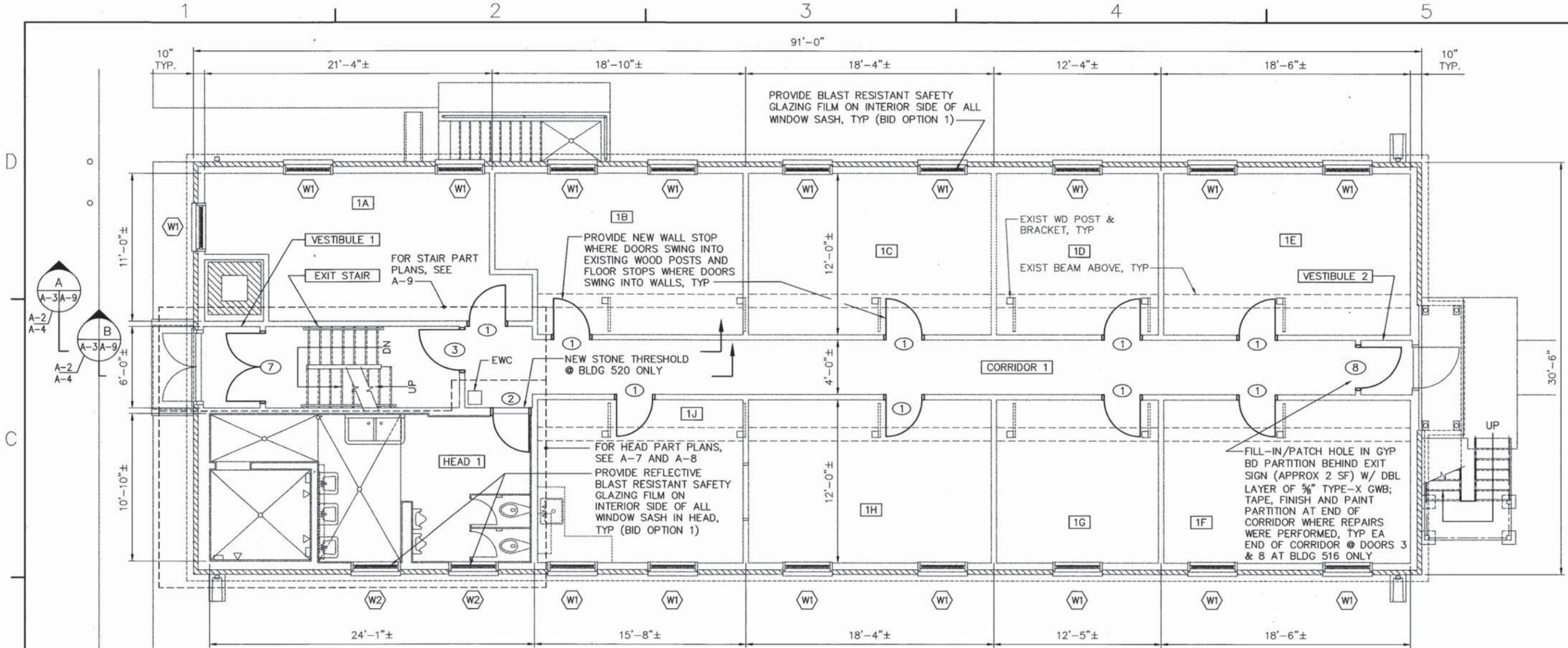
CRAWL SPACE

TYPICAL BASEMENT FLOOR PLAN



BUILDING 807 FIRST FLOOR PLAN

DATE	APPROVED
DESCRIPTION	SYMBOL
APPROVED	
ACTIVITY - SATISFACTORY TO	
DATE	
APPROVED	
FOR USA FOR COMMANDER NAUAC	
DATE	AUGUST 5, 2005
A/E	EFD
JMC	DESIGN
JMC	DRAWN
DWD	REVIEW
VMG	OC
MAR	CHEF ARCH/ ENGR.
DESIGN MANAGER	
FIRE PROTECTION	
BRANCH MANAGER	
DESIGN DIRECTOR	
DEPARTMENT OF THE NAVY	ENGINEERING COMMAND
ENGINEERING FIELD ACTIVITY NORTHEAST	PENNSYLVANIA
MCRS STEWART AIR NATIONAL GUARD BASE NEWBURGH, NY	
ENCLAVE IMPROVEMENTS	
BUILDINGS 516, 807, 520 & 811	
TYPICAL BASEMENT PLAN AND	
BUILDING 807 FIRST FLOOR PLAN	
CODE ID. NO. 80091	SIZE: D
SCALE: AS NOTED	
EFD NO.	
STA. PROJ. NO.	
SPEC. NO. 04-04-0030	
CONSTR. CONTR. NO. N62472-04-C-0030	
NAUAC DRAWING NO. 2224473	
SHEET 3 OF 38	
A-2	



TYPICAL FIRST FLOOR PLAN - BUILDINGS 516, 520 & 811

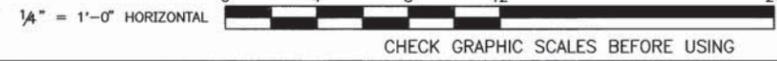
ROOM FINISH SCHEDULE - BUILDINGS 516, 807\*, 520 & 811

ROOM	FLOOR					BASE				WALLS				CEILING				REMARKS
	F1	F2	F3	F4	F5	B1	B2	B3	WA1	WA2	WA3	WA4	C1	C2	C3	HGT		
VESTIBULE 1	●	●				○	○	○	○	○	○	○	○	○	○	○	7'-6"±	FOR ADDITIONAL MISC FINISH WORK ITEMS, SEE A-9
EXIT STAIR	●	●				○	○	○	○	○	○	○	○	○	○	○	VARIES	CEILING HEIGHT = 13'-1" @ VESTIBULE LANDING, 8'-8" @ CORRIDOR LANDING. FOR WALLS & ADDITIONAL MISC FINISH WORK ITEMS, SEE A-9
CORRIDOR 1						○	○	○	○	○	○	○	○	○	○	○	8'-8"±	EXIST BASE IS 1x3 WOOD @ 811
VESTIBULE 2						○	○	○	○	○	○	○	○	○	○	○	8'-8"±	EXIST BASE IS 1x3 WOOD @ 811
HEAD 1						○	○	○	○	○	○	○	○	○	○	○	8'-6"±	FOR WALLS & ADDITIONAL MISC FINISH WORK ITEMS, SEE A-7 & A-8
1A						○	○	○	○	○	○	○	○	○	○	○	8'-7"±	-
1B						○	○	○	○	○	○	○	○	○	○	○	8'-7"±	-
1C						○	○	○	○	○	○	○	○	○	○	○	8'-7"±	-
1D						○	○	○	○	○	○	○	○	○	○	○	8'-7"±	-
1E						○	○	○	○	○	○	○	○	○	○	○	8'-7"±	-
1F						○	○	○	○	○	○	○	○	○	○	○	8'-7"±	-
1G						○	○	○	○	○	○	○	○	○	○	○	8'-7"±	-
1H						○	○	○	○	○	○	○	○	○	○	○	8'-7"±	-
1J						○	○	○	○	○	○	○	○	○	○	○	8'-7"±	-

\* OPEN CIRCLE DENOTES FINISHES @ 807. CLOSED CIRCLE DENOTES FINISHES AT 516, 520 AND 811. FOR 807 FIRST FLOOR PLAN, SEE A-2. VESTIBULE 2 DOES NOT EXIST AT 807.  
 \*\* FINISHES NOTED FOR BID OPTION 4 @ GROUND FLOOR LEVEL ONLY. SEE A-9 FOR ADDITIONAL INFORMATION.

FINISHES LEGEND

- FLOORING:  
 F1 - PROVIDE NEW VCT W/ 1/4" PLYWOOD UNDERLAYMENT OVER EXISTING RESILIENT FLOORING.  
 F2 - PROVIDE NEW CARPETING W/ 1/4" PLYWOOD UNDERLAYMENT OVER EXISTING RESILIENT FLOORING. NIC  
 F3 - REMOVE EXISTING RESILIENT TREAD COVERS AND PROVIDE NEW RESILIENT TREAD AND RISER COVERS ON STAIRS.  
 F4 - PROVIDE NEW CERAMIC TILE FLOORING WITHIN LIMITS OF NEW SHOWER AREA. EXISTING CERAMIC TILE FLOORING TO REMAIN OUTSIDE LIMITS OF SHOWER AREA. SEE A-7 & A-8.  
 F5 - EXISTING FLOORING TO REMAIN.
- WALL BASE:  
 B1 - REMOVE EXISTING RESILIENT BASE AND PROVIDE NEW 4" VINYL WALL BASE (STRAIGHT @ CARPET & COVERED @ VCT).  
 B2 - PROVIDE NEW CERAMIC TILE WALL BASE WITHIN LIMITS OF NEW SHOWER AREA. EXISTING CERAMIC TILE WALL BASE TO REMAIN OUTSIDE LIMITS OF SHOWER AREA. SEE A-7 & A-8.  
 B3 - EXISTING WALL BASE TO REMAIN.
- WALLS:  
 WA1 - CLEAN, PATCH AND PAINT EXISTING GYPSUM WALLBOARD. NIC  
 WA2 - PROVIDE LAYER OF ADDITIONAL GYPSUM WALLBOARD OVER EXISTING; TAPE, FINISH AND PAINT GYPSUM WALLBOARD.  
 WA3 - EXISTING CONCRETE WALL TO REMAIN.  
 WA4 - EXISTING GYPSUM WALLBOARD TO REMAIN.
- CEILING:  
 C1 - PROVIDE NEW PAINTED GYPSUM BOARD CEILING WITHIN LIMITS OF NEW SHOWER AREA. EXISTING PLASTER CEILING TO REMAIN OUTSIDE LIMITS OF SHOWER AREA. SEE A-7 & A-8.  
 C2 - PROVIDE NEW GYPSUM BOARD OVER EXISTING PLASTER CEILING.  
 C3 - EXISTING CEILING TO REMAIN.



DATE: APR 04  
 DESCRIPTION: ENCLAVE IMPROVEMENTS BUILDINGS 516, 807, 520 & 811  
 TYPICAL FIRST FLOOR FLOOR PLAN BUILDINGS 516, 520 & 811

ENGINEERS  
 FST  
 1914  
 FAY, SPOFFORD & THORNDIKE  
 3 BARKLINGTON WOODS  
 BURLINGTON, MA 01803

VICTOR M. GOVONI  
 CIVIL  
 No. 41734  
 REGISTERED PROFESSIONAL ENGINEER

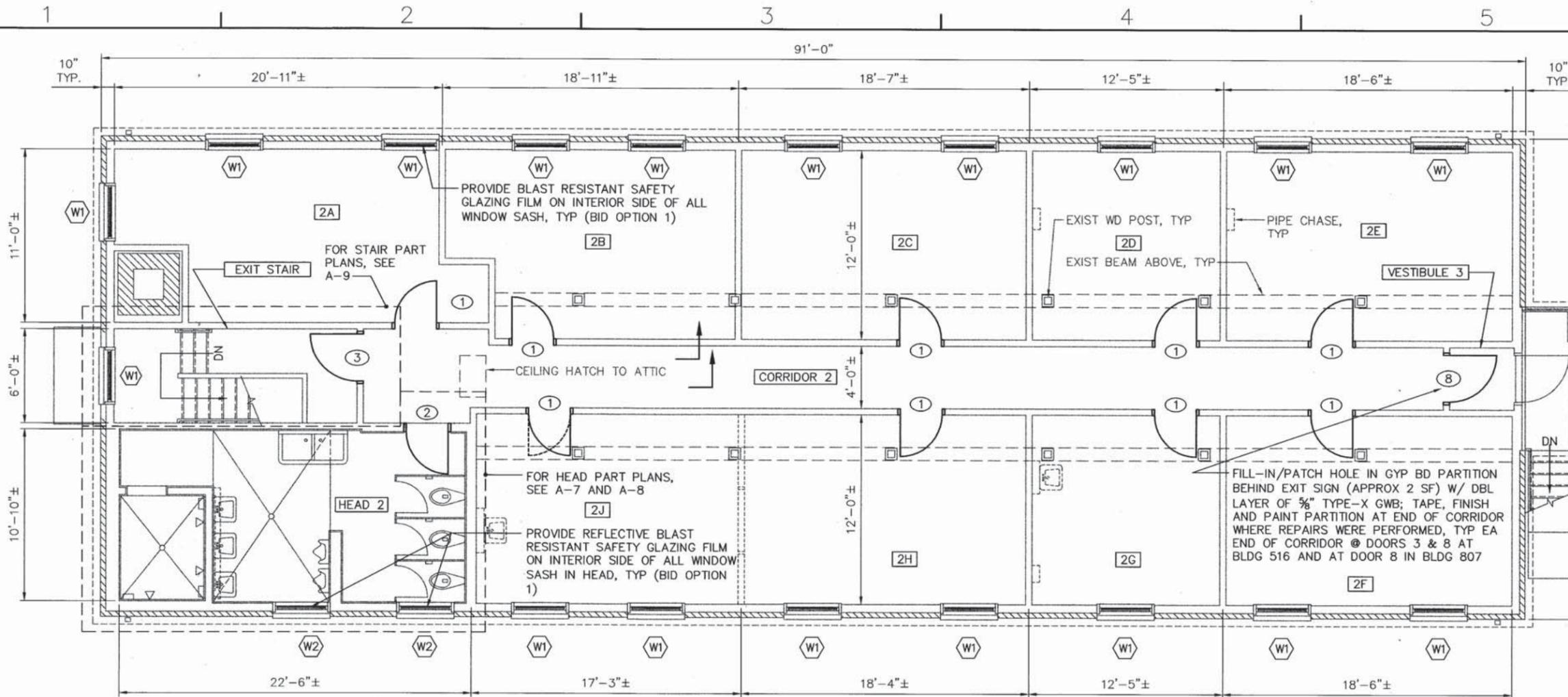
APPROVED: \_\_\_\_\_  
 ACTIVITY - SATISFACTORY TO: \_\_\_\_\_  
 DATE APPROVED: \_\_\_\_\_  
 FOR EPA FOR COMMANDER NAUAC: \_\_\_\_\_

DATE: AUGUST 5, 2005  
 A/E: JMC  
 JMC DESIGN  
 DWD DRAWN  
 VMG REVIEW  
 MAR GC  
 MAR CHIEF ARCH/ ENGR

DESIGN MANAGER: \_\_\_\_\_  
 FIRE PROTECTION: \_\_\_\_\_  
 BRANCH MANAGER: \_\_\_\_\_  
 DESIGN DIRECTOR: \_\_\_\_\_

NAVAL FACILITIES ENGINEERING COMMAND  
 ENGINEERING FIELD ACTIVITY NORTHEAST  
 PENNSYLVANIA  
 MCRC STEWART AIR NATIONAL GUARD BASE  
 NEWBURGH, NY  
 ENCLAVE IMPROVEMENTS  
 BUILDINGS 516, 807, 520 & 811  
 TYPICAL FIRST FLOOR FLOOR PLAN  
 BUILDINGS 516, 520 & 811

CODE ID NO. 80091 SIZE: D  
 SCALE: AS NOTED  
 ETD NO.: \_\_\_\_\_  
 STA. PROJ. NO.: \_\_\_\_\_  
 SPEC. NO. 04-04-0030  
 CONTR. CONTR. NO. N62472-04-C-0030  
 NAVFAC DRAWING NO. 2224474  
 SHEET 4 OF 38  
 A-3  
 UNIFORM REVISION FEBRUARY 2001



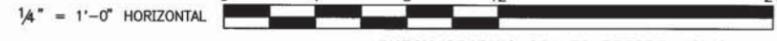
TYPICAL SECOND FLOOR PLAN

FINISHES LEGEND

- FLOORING:
- F1 - PROVIDE NEW VCT W/ 1/4" PLYWOOD UNDERLAYMENT OVER EXISTING RESILIENT FLOORING.
  - F2 - PROVIDE NEW CARPETING W/ 1/4" PLYWOOD UNDERLAYMENT OVER EXISTING RESILIENT FLOORING- NIC
  - F3 - REMOVE EXISTING RESILIENT TREAD COVERS AND PROVIDE NEW RESILIENT TREAD AND RISER COVERS ON STAIRS.
  - F4 - PROVIDE NEW CERAMIC TILE FLOORING WITHIN LIMITS OF NEW SHOWER AREA. EXISTING CERAMIC TILE FLOORING TO REMAIN OUTSIDE LIMITS OF SHOWER AREA. SEE A-7 & A-8.
  - F5 - EXISTING FLOORING TO REMAIN.
- WALL BASE:
- B1 - REMOVE EXISTING RESILIENT BASE AND PROVIDE NEW 4" VINYL WALL BASE (STRAIGHT @ CARPET & COVERED @ VCT).
  - B2 - PROVIDE NEW CERAMIC TILE WALL BASE WITHIN LIMITS OF NEW SHOWER AREA. EXISTING CERAMIC TILE WALL BASE TO REMAIN OUTSIDE LIMITS OF SHOWER AREA. SEE A-7 & A-8.
  - B3 - EXISTING WALL BASE TO REMAIN.
- WALLS:
- WA1 - CLEAN, PATCH AND PAINT EXISTING GYPSUM WALLBOARD- NIC
  - WA2 - PROVIDE ADDITIONAL LAYER OF GYPSUM WALLBOARD OVER EXISTING; TAPE, FINISH AND PAINT GYPSUM WALLBOARD.
  - WA3 - EXISTING CONCRETE WALL TO REMAIN.
  - WA4 - EXISTING GYPSUM WALLBOARD TO REMAIN.
- CEILINGS:
- C1 - PROVIDE NEW PAINTED GYPSUM BOARD CEILING WITHIN LIMITS OF NEW SHOWER AREA. EXISTING PLASTER CEILING TO REMAIN OUTSIDE LIMITS OF SHOWER AREA. SEE A-7 & A-8.
  - C2 - PROVIDE NEW GYPSUM BOARD OVER EXISTING PLASTER CEILING
  - C3 - EXISTING CEILING TO REMAIN.

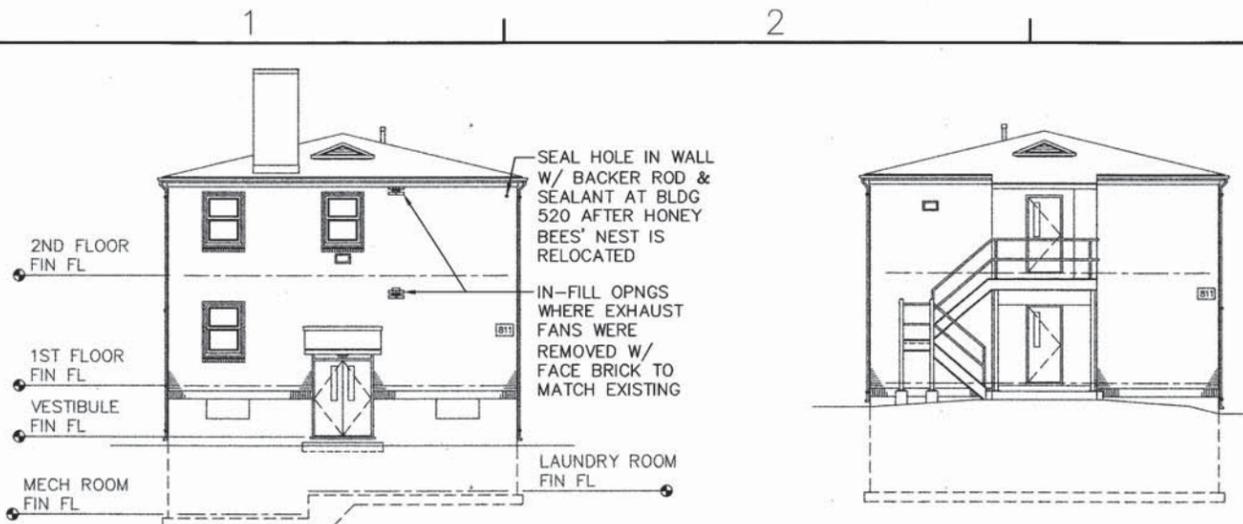
ROOM FINISH SCHEDULE - BUILDINGS 516, 807, 520 & 811

ROOM	FLOOR					BASE			WALLS				CEILING				REMARKS	
	F1	F2	F3	F4	F5	B1	B2	B3	WA1	WA2	WA3	WA4	C1	C2	C3	HGT		
EXIT STAIR						●	●	●	●	●	●	●	●	●	●	●	8'-3"	FOR WALLS & ADDITIONAL MISC FINISH WORK ITEMS, SEE A-9
CORRIDOR 2						●											8'-3"±	EXIST BASE IS 1x3 WOOD @ 811
VESTIBULE 3						●											8'-3"±	EXIST BASE IS 1x3 WOOD @ 811
HEAD 2				●													8'-3"±	FOR WALLS & ADDITIONAL MISC FINISH WORK ITEMS, SEE A-7 & A-8
2A					●												8'-3"±	-
2B					●												8'-3"±	-
2C					●												8'-3"±	-
2D					●												8'-3"±	-
2E					●												8'-3"±	-
2F					●												8'-3"±	-
2G					●												8'-3"±	-
2H					●												8'-3"±	-
2J					●												8'-3"±	-



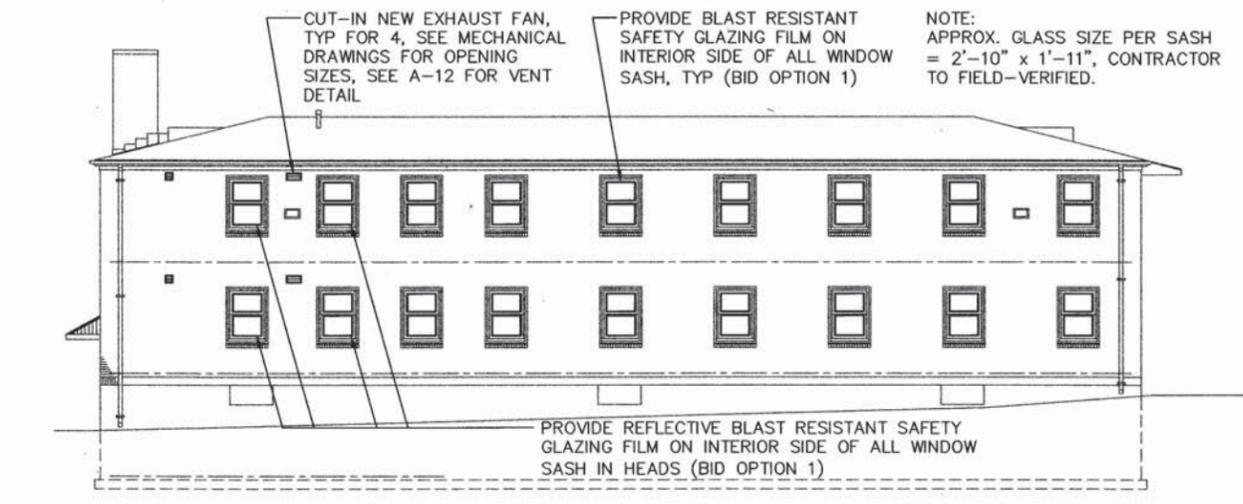
CHECK GRAPHIC SCALES BEFORE USING

<p>DATE: APR</p> <p>DESCRIPTION:</p> <p>DATE: APR</p> <p>DESCRIPTION:</p> <p>DATE: APR</p> <p>DESCRIPTION:</p>	<p>ENGINEERS</p> <p>FST</p> <p>1914</p> <p>FAY, SPOFFORD &amp; THORNDIKE</p> <p>5 BURLINGTON WOODS</p> <p>BURLINGTON, MA 01803</p> <p>VICTOR M. GOVONI</p> <p>CIVIL</p> <p>No. 41734</p> <p>REGISTERED ENGINEER</p> <p>MASSACHUSETTS</p> <p>APPROVED</p> <p>ACTIVITY - SATISFACTORY TO</p> <p>DATE APPROVED</p> <p>FOR EPA FOR COMMANDER NAVFAC</p> <p>DATE: AUGUST 5, 2005</p> <p>A/E JMC EFD</p> <p>JMC DESIGN</p> <p>DWD DRAWN</p> <p>VMG REVIEW</p> <p>MAR QC</p> <p>MAR CHIEF ARCH/ ENGR.</p> <p>DESIGN MANAGER</p> <p>FIRE PROTECTION</p> <p>BRANCH MANAGER</p> <p>DESIGN DIRECTOR</p> <p>NAVAL FACILITIES ENGINEERING COMMAND</p> <p>ENGINEERING FIELD ACTIVITY NORTHEAST</p> <p>PENNSYLVANIA</p> <p>MCRS STEWART AIR NATIONAL GUARD BASE NEWBURGH, NY</p> <p>ENCLAVE IMPROVEMENTS</p> <p>BUILDINGS 516, 807, 520 &amp; 811</p> <p>TYPICAL SECOND FLOOR PLAN</p> <p>CODE ID. NO. 80091 SIZE D</p> <p>SCALE: AS NOTED</p> <p>EFD NO.</p> <p>STA. PROJ. NO.</p> <p>SPEC. NO. 04-04-0030</p> <p>CONSTR. CONTR. NO. N62472-04-C-0030</p> <p>NAVFAC DRAWING NO. 2224475</p> <p>SHEET 5 OF 38</p> <p>A-4</p> <p>DAWFORM REVISION FEBRUARY 2001</p>
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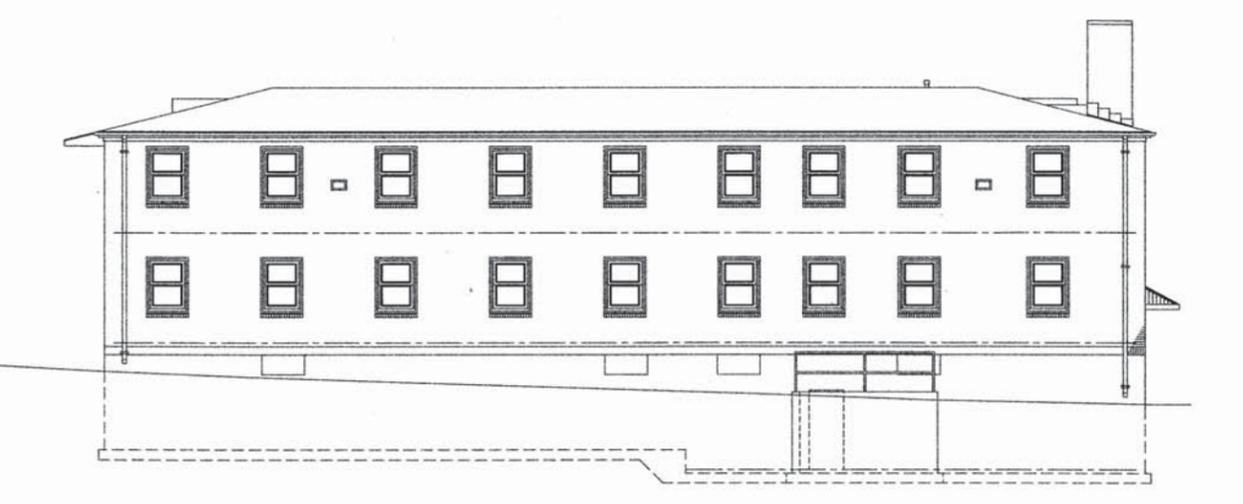


**FRONT ELEVATION**  
SCALE: 1/8"=1'-0"

**REAR ELEVATION**  
SCALE: 1/8"=1'-0"



**LAUNDRY ROOM SIDE ELEVATION**  
SCALE: 1/8"=1'-0"



**MECHANICAL ROOM SIDE ELEVATION**  
SCALE: 1/8"=1'-0"

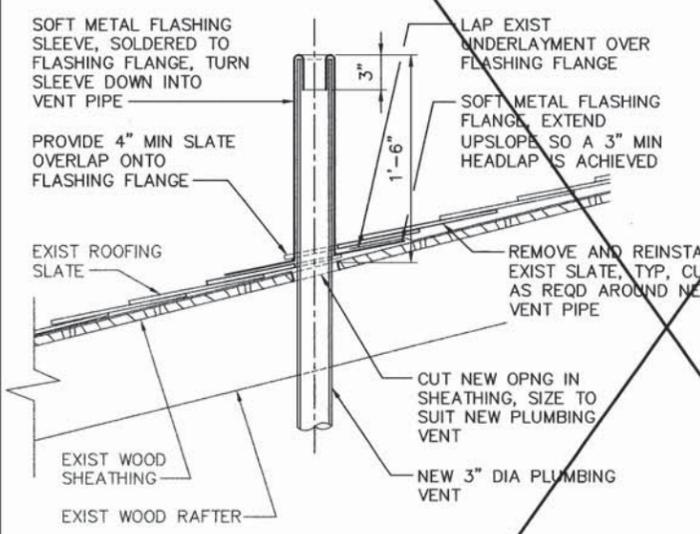


**LAUNDRY ROOM BASEMENT WINDOW KEY PLAN**  
NOT TO SCALE  
(TYP FOR ALL BUILDINGS)

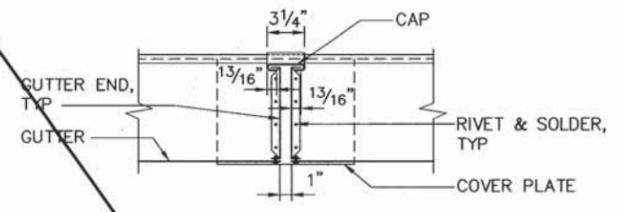
BASEMENT WINDOW REPAIR SCHEDULE			
BLDG 516	BLDG 807	BLDG 520	BLDG 811
REMOVE CONCRETE IN-FILL FROM BOTH WINDOW OPENINGS. PROVIDE NEW PT WOOD SUBFRAMES. PROVIDE WNDW TYPE W3 @ #1 AND WNDW TYPE W4 @ #2	REMOVE EXIST WNDWS FROM BOTH WINDOW OPENINGS. EXIST WOOD SUBFRAME TO REMAIN. PROVIDE WNDW TYPE W4 @ #1 AND WNDW TYPE W3 @ #2	REMOVE EXIST BOARDED-UP WINDOWS FROM BOTH WINDOW OPENINGS. EXIST SUBFRAMES TO REMAIN. PROVIDE WNDW TYPE W3 @ #1 AND WNDW TYPE W4 @ #2	REMOVE CONCRETE IN-FILL FROM BOTH WINDOW OPENINGS. PROVIDE NEW PT WOOD SUBFRAMES. PROVIDE WNDW TYPE W3 AT #1 & #2

NOTE:  
1. FOR WINDOW SCHEDULE AND DETAILS, SEE A-11.

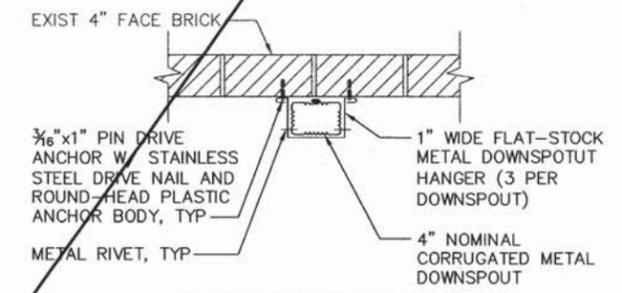
**NOT IN CONTRACT**



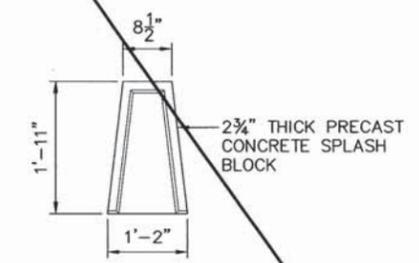
**PLUMBING VENT DETAIL**  
SCALE: 1/2"=1'-0"



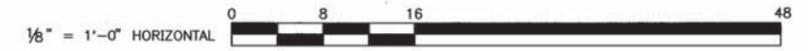
**GUTTER EXPANSION JOINT DETAIL**  
SCALE: 1/2"=1'-0"



**DOWNSPOUT DETAIL**  
SCALE: 1/2"=1'-0"



**SPLASH BLOCK DETAIL**  
SCALE: 3/4"=1'-0"



CHECK GRAPHIC SCALES BEFORE USING

DATE: APR 04

DESCRIPTION:

SYN:

APPROVED:

ACTIVITY - SATISFACTORY TO:

DATE APPROVED:

FOR ETA FOR COMMANDER N71AC:

DATE: AUGUST 5, 2005

A/E: EFD

JMC DESIGN

JMC DRAWN

DWD REVIEW

VMG QC

MAR CHIEF ARCH/ENGR.

DESIGN MANAGER:

FIRE PROTECTION:

BRANCH MANAGER:

DESIGN DIRECTOR:

NAVAL FACILITIES ENGINEERING COMMAND  
ENGINEERING FIELD ACTIVITY NORTHEAST  
PENNSYLVANIA  
MCRC STEWART AIR NATIONAL GUARD BASE NEWBURGH, NY  
ENCLAVE IMPROVEMENTS  
BUILDINGS 516, 807, 520 & 811  
TYPICAL BUILDING ELEVATIONS

DEPARTMENT OF THE NAVY  
LESTER

CODE ID. NO. 80091 SIZE: D

SCALE: AS NOTED

ETA NO.:

STA. PROJ. NO.:

SPEC. NO. 04-04-0030

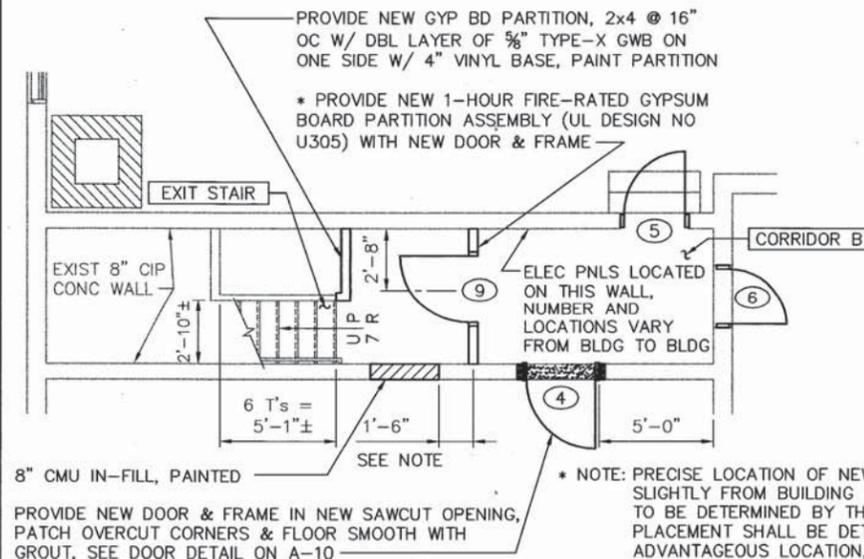
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NAVFAC DRAWING NO. 2224477

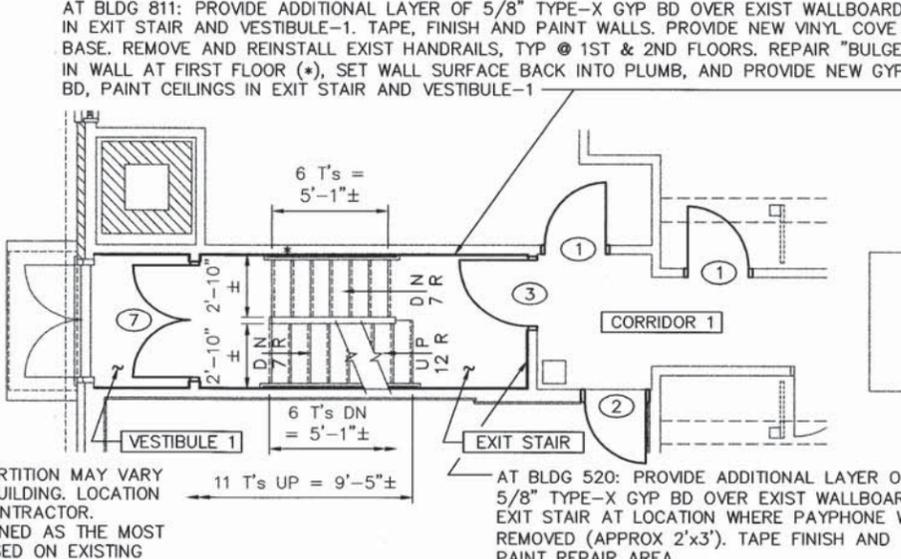
SHEET 7 OF 38

**A-6**

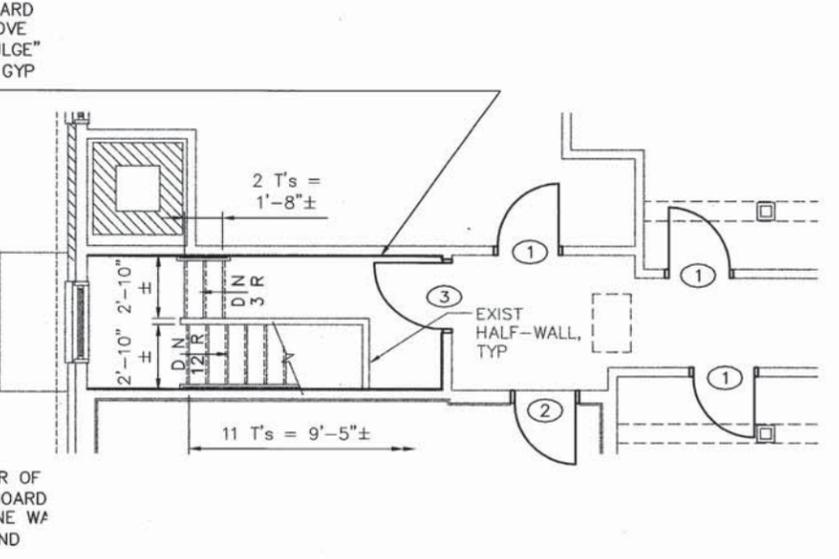
DRAWING REVISION FEBRUARY 2001



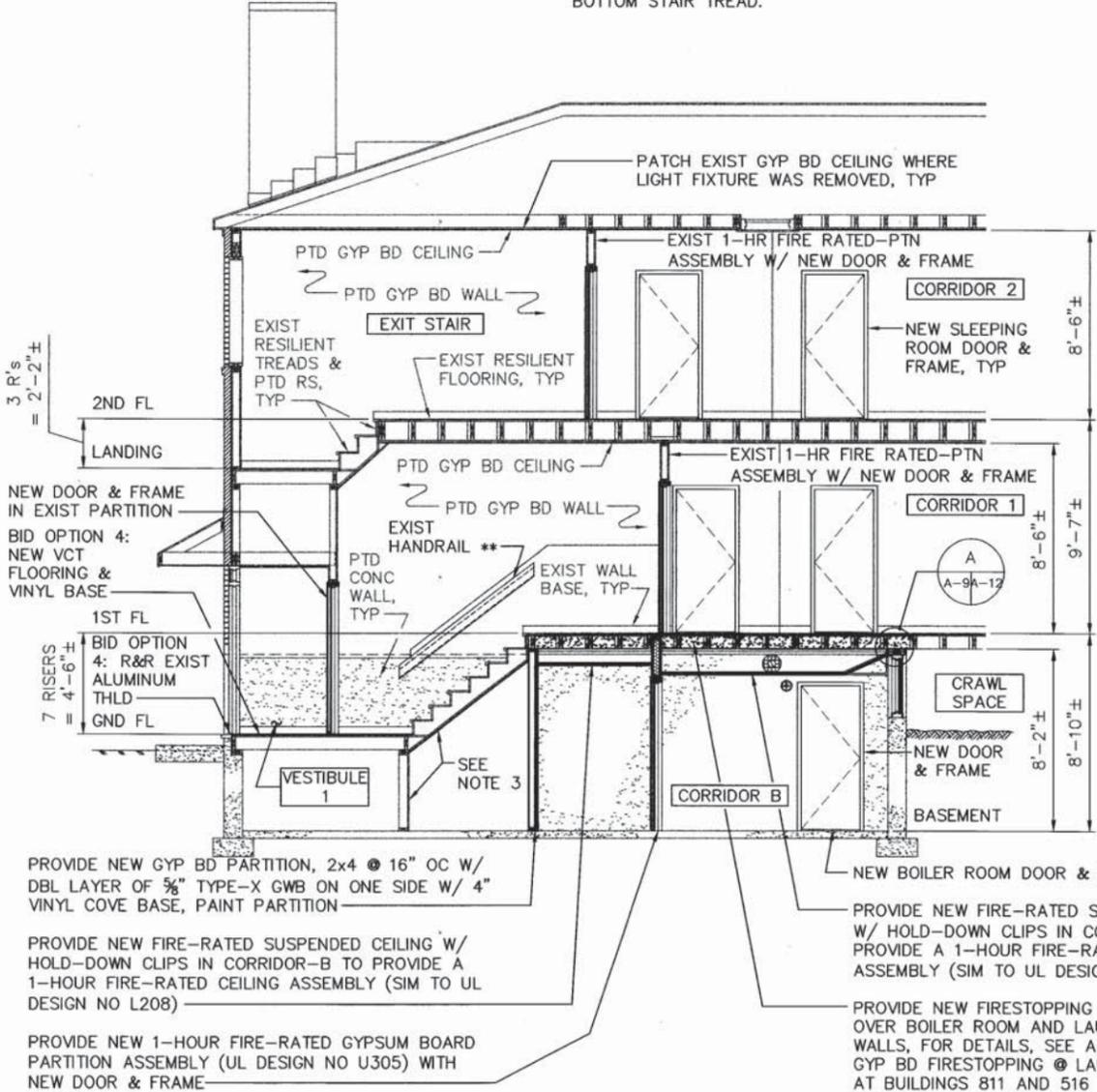
**EXIT STAIR PART PLAN - BASEMENT**  
SCALE: 1/4" = 1'-0"



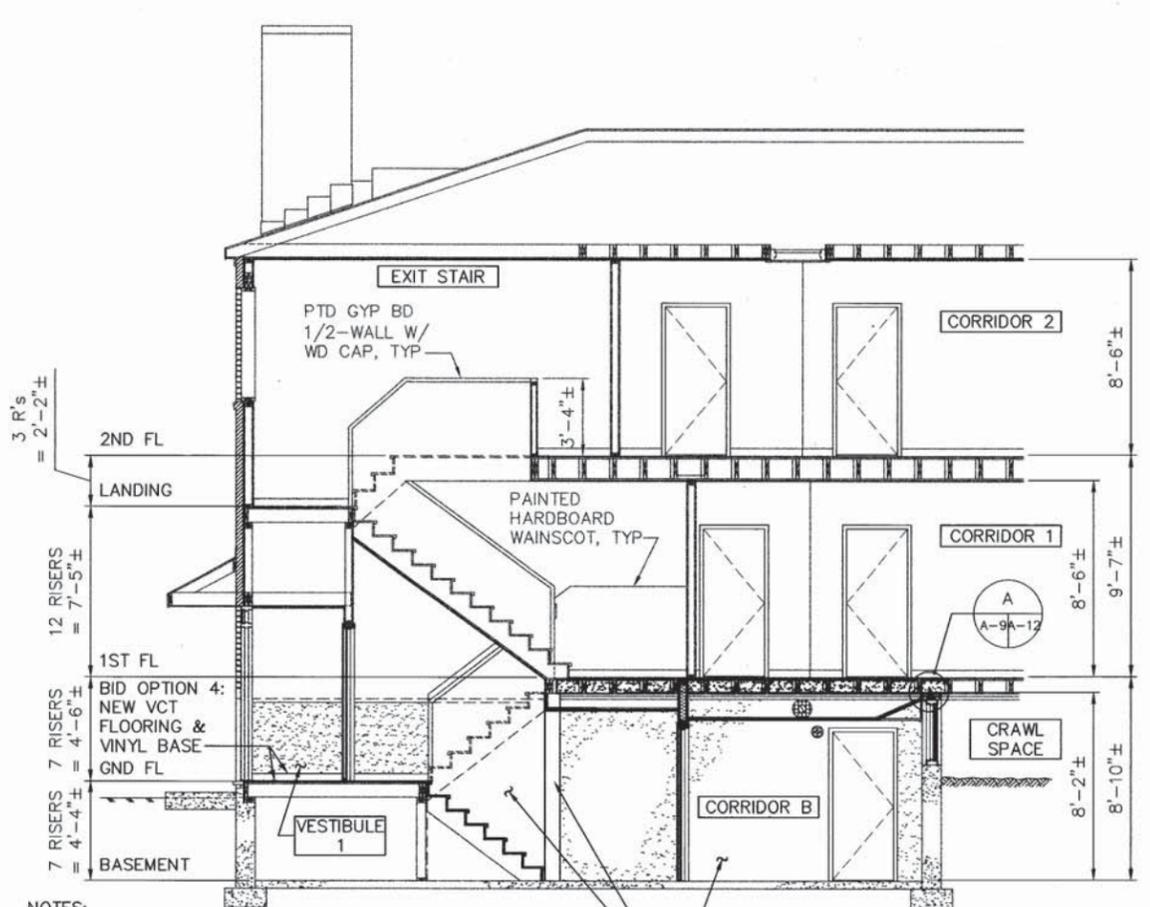
**EXIT STAIR PART PLAN - 1ST FLOOR**  
SCALE: 1/4" = 1'-0"



**EXIT STAIR PART PLAN - 2ND FLOOR**  
SCALE: 1/4" = 1'-0"



**SECTION A-A**  
SCALE: 1/4" = 1'-0"

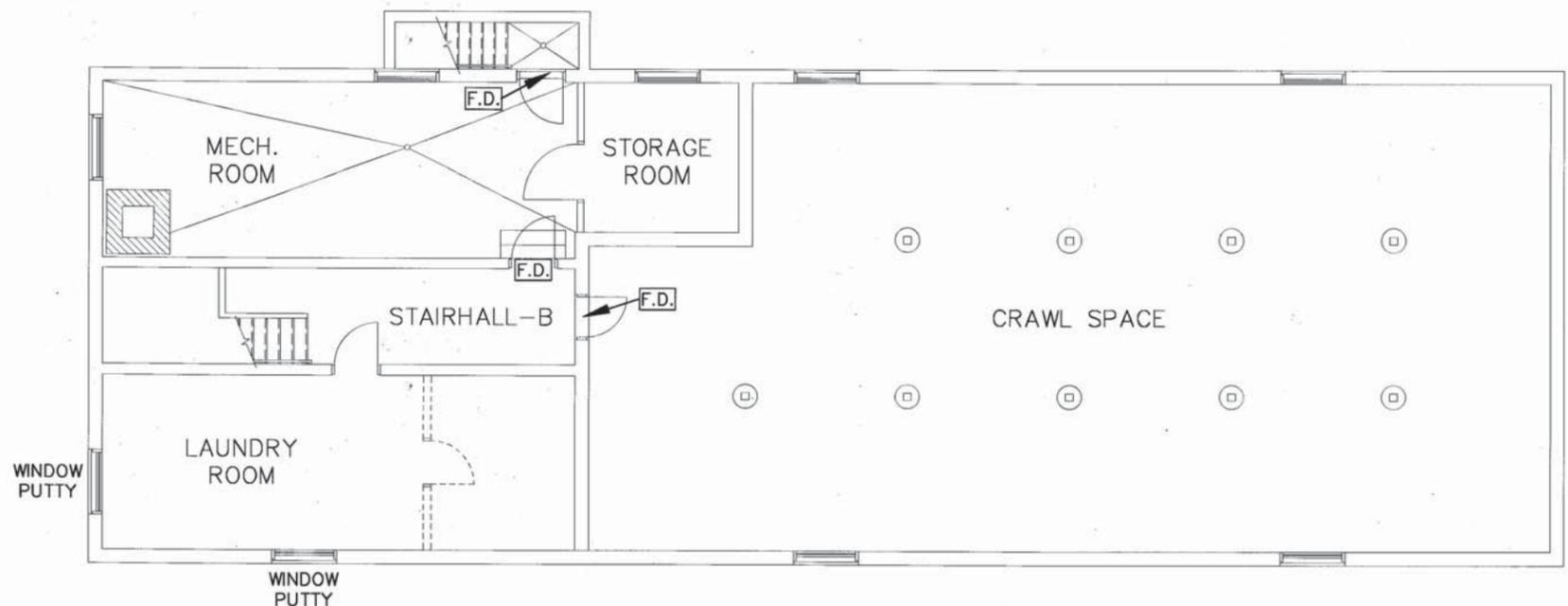


- NOTES:
1. REMOVE EXISTING RUBBER STAIR TREADS AND PROVIDE NEW RESILIENT TREAD AND RISER COVERS AT BASEMENT STAIRS IN BUILDINGS 811 & 516.
  2. BID OPTION 4: PROVIDE NEW VCT AT GND FLOOR LANDING. COVER EXIST VCT W/ 1/4" PLYWOOD UNDERLAYMENT. REMOVE EXIST BASE AND PROVIDE NEW VINYL COVE BASE AT LANDING. PROVIDE NEW RESILIENT TREAD AND RISER COVERS AT BASEMENT STAIRS AT BUILDINGS 807 & 520.
  3. AT BUILDING 516: REMOVE EXISTING GYP BD AND PROVIDE NEW 5/8" TYPE-X GYP BD BENEATH STAIRS PRIOR TO CONSTRUCTING NEW PARTITION. TAPE & FINISH GYP BD (2-COATS OF JT TREATMENT), PAINTING NOT REQUIRED.

**SECTION B-B**  
SCALE: 1/4" = 1'-0"



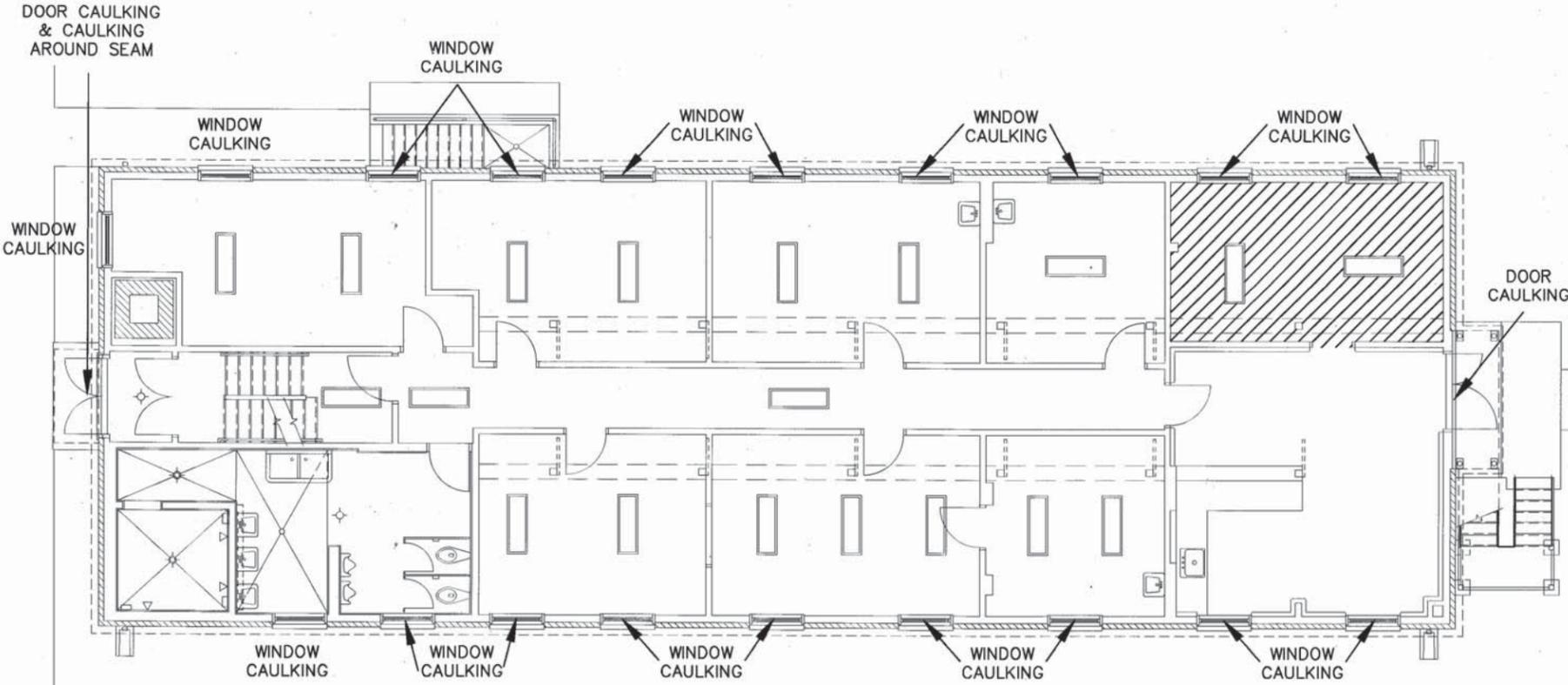
DATE	APPR
DESCRIPTION	SYN
FAY, SPOFFORD & THORNDIKE 5 BURLINGTON WOODS BURLINGTON, MA 01803	
APPROVED	SCALE
ACTIVITY - SATISFACTORY TO	
DATE	
APPROVED	
FOR EFA FOR COMMANDER NAVFAC	
DATE	AUGUST 5, 2005
A/E	EFD
JMC	DESIGN
JMC	DRAWN
DWD	REVIEW
VMG	CC
MAR	CHEF ARCH/ENGR.
DESIGN MANAGER	
FIRE PROTECTION	
BRANCH MANAGER	
DESIGN DIRECTOR	
DEPARTMENT OF THE NAVY ENGINEERING FIELD ACTIVITY NORTHEAST PENNSYLVANIA LESTER MCRS STEWART AIR NATIONAL GUARD BASE NEWBURGH, NY ENCLAVE IMPROVEMENTS BUILDINGS 516, 807, 520 & 811 EXIT STAIR SECTIONS AND DETAILS	
CODE ID. NO. 80091	SIZE: D
SCALE: AS NOTED	
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STA. PROJ. NO.	
SPEC. NO. 04-04-0030	
CONSTR. CONTR. NO. N62472-04-C-0030	
NAVFAC DRAWING NO. 2224480	
SHEET 10 OF 38	
<b>A-9</b> DRAWING REVISION FEBRUARY 2001	



BUILDING 807 BASEMENT FLOOR PLAN

HAZARDOUS MATERIAL	LOCATION	ESTIMATED QUANTITY
ASBESTOS-CONTAINING FLUE PUTTY	BUILDINGS 516, 520, 811-MECHANICAL ROOM	12 SF
ASBESTOS-CONTAINING EXTERIOR DOOR CAULKING	ALL BUILDINGS-EXTERIOR DOORS	20 DOORS (336 LF)
ASBESTOS-CONTAINING 1'X1' WHITE FLOOR TILE & MASTIC	BUILDING 516-THROUGHOUT	4,264 SF
	BUILDING 520-THROUGHOUT	4,264 SF
	BUILDING 807-1E, 2E, 2H, 2J	811 SF
	BUILDING 811-1A, 1B, 1J, CORRIDOR-1, STAIR HALL-1, STAIR HALL-2, 2A, 2B	1,456 SF
ASBESTOS-CONTAINING 1'X1' GREY MOTTLED FLOOR TILE & MASTIC	BUILDING 811-1C, 1D, 1E, 1F, 1G, CORRIDOR-2, 2C, 2D, 2E, 2F, 2G, 2H, 2J	2,592 SF
ASBESTOS-CONTAINING EXTERIOR WINDOW CAULKING & FRAMES	ALL BUILDINGS-EXTERIOR WINDOWS & FRAMES	160 WINDOWS (1,624 LF)
ASBESTOS-CONTAINING BASEMENT WINDOW PUTTY	ALL BUILDINGS-LAUNDRY ROOM WINDOWS	4 WINDOWS (64 LF)
ASBESTOS-CONTAINING CAULKING AROUND SEAM	ALL BUILDINGS-ENTRANCE ROOF OVERHANG	4 OVERHANGS (40 LF)
ASSUMED ASBESTOS-CONTAINING FIRE DOORS	ALL BUILDINGS-BASEMENTS	12 DOORS
ASSUMED ASBESTOS-CONTAINING GLUE DAUBS	BUILDING 811-1A, 2A	430 SF
MERCURY-CONTAINING LIGHT TUBES	ALL BUILDINGS-THROUGHOUT	608 LIGHT TUBES

- THIS HAZARDOUS MATERIALS SURVEY PLAN HAS BEEN PREPARED TO ALERT CONTRACTORS TO THE PRESENCE OF ASBESTOS-CONTAINING BUILDING MATERIALS (ACBM'S) AND THE LOCATIONS WHERE THESE MATERIALS MAY BE ENCOUNTERED. LOCATIONS OF ACBM'S NOT DISTURBED BY THE CONTRACTOR OPERATIONS DO NOT REQUIRE ABATEMENT. MATERIALS REQUIRING ABATEMENT MUST BE ABATED IN ACCORDANCE WITH SPECIFICATION SECTION 13281N ENGINEERING CONTROLS FOR ASBESTOS MATERIALS.
- DISCONNECT ALL ELECTRICAL CIRCUITS TO ENSURE SAFE WORKING AREA AND CONDITIONS. COORDINATE WITH FACILITIES ENGINEERING TO SHUT OFF AND TAG-OUT ELECTRICITY AND OTHER UTILITIES AS NECESSARY.
- REMOVE AND DISPOSE OF MERCURY-CONTAINING LIGHT TUBES IN ACCORDANCE WITH 40CFR 263 AND 40CFR 273 AND SPECIFICATION 13286N HANDLING OF LIGHTING LAMPS CONTAINING MERCURY.
- SEE DRAWINGS HM-9 & HM-10 FOR HAZARDOUS MATERIALS SAMPLE LOCATION PLANS. SEE SPECIFICATIONS SECTION 02220, APPENDIX A, FOR TEST RESULTS.



BUILDING 807 FIRST FLOOR PLAN

SYMBOL	DESCRIPTION
	ASBESTOS-CONTAINING FLOOR TILE AND/OR MASTIC
	ASSUMED ASBESTOS-CONTAINING FIRE DOOR
	ASSUMED ASBESTOS-CONTAINING CEILING GLUE DAUBS

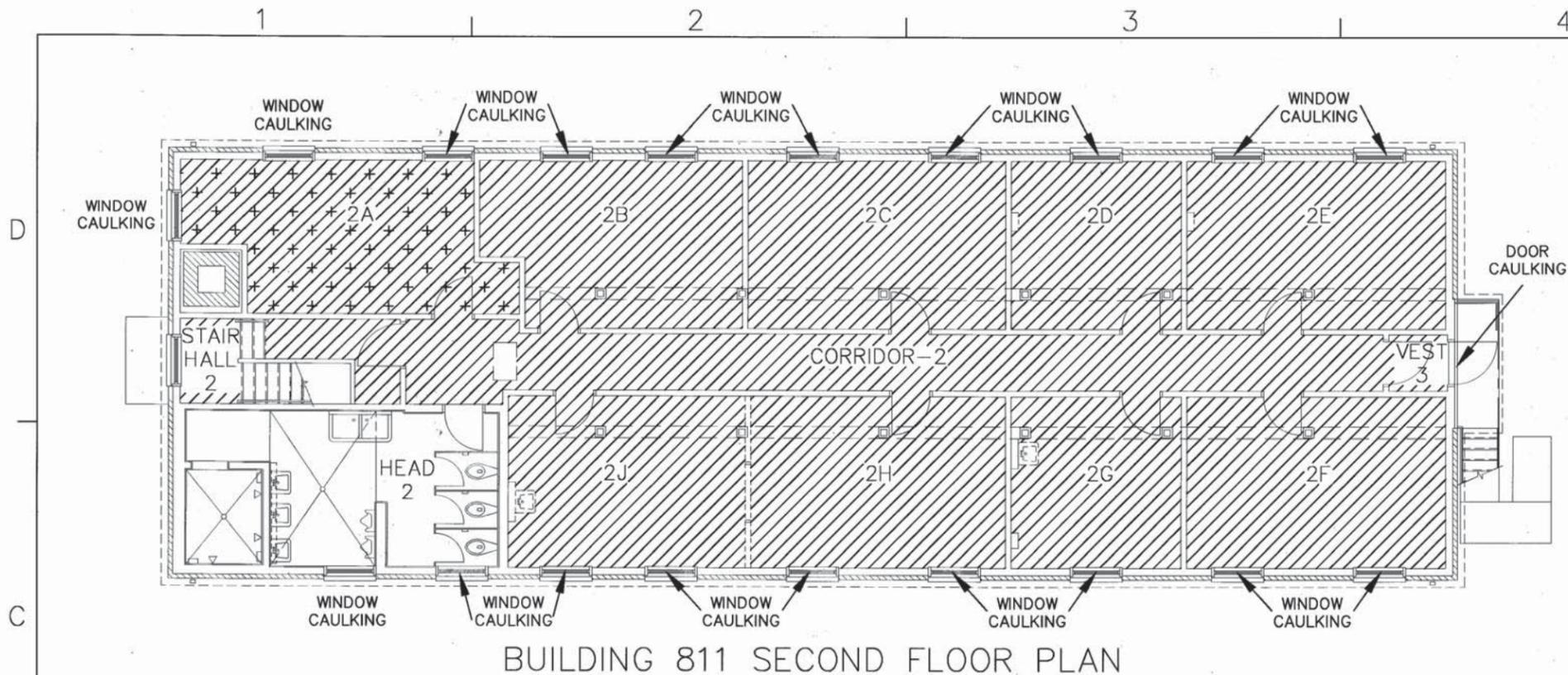


CHECK GRAPHIC SCALES BEFORE USING

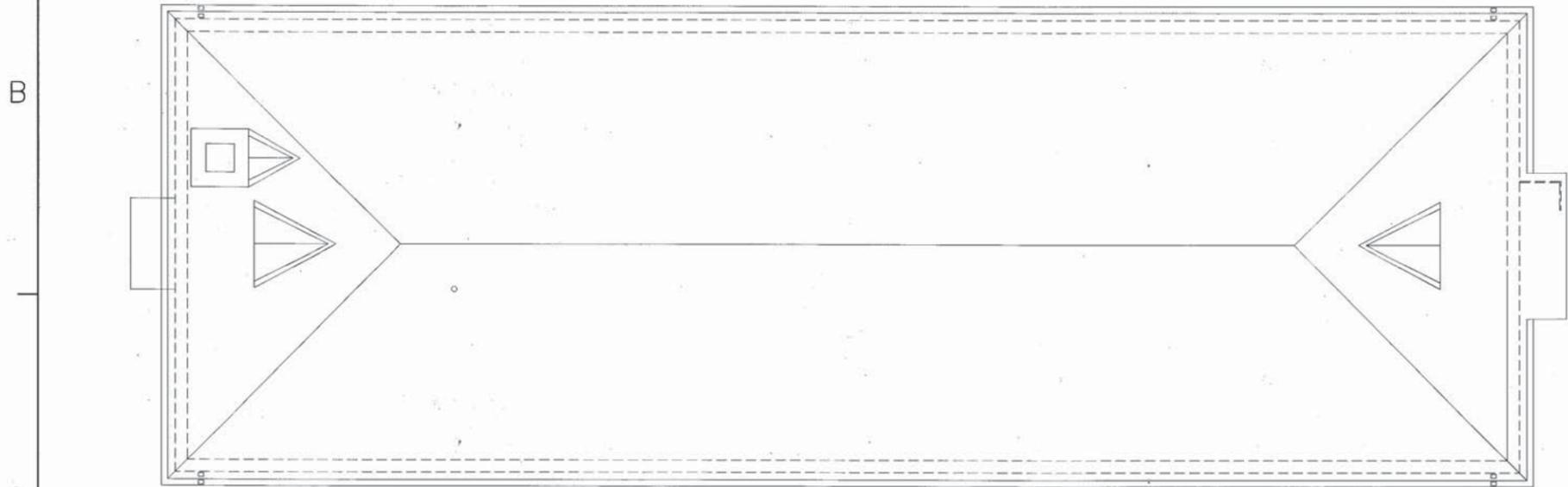
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DESCRIPTION	
SYN	
APPROVED	
ACTIVITY - SATISFACTORY TO	
DATE	
APPROVED	
FOR EPA FOR COMMANDER NMFC	
DATE	AUGUST 5, 2005
A/E	EFD
W/E	DESIGN
W/R	DRAWN
P/P	REVIEW
P/P	QC
M/R	CHIEF ARCH/ ENGR.
DESIGN MANAGER	
FIRE PROTECTION	
BRANCH MANAGER	
DESIGN DIRECTOR	
DEPARTMENT OF THE NAVY ENGINEERING FIELD ACTIVITY NORTHEAST PUNJAB, PENNSYLVANIA MCRC STEWART AIR NATIONAL GUARD BASE NEWBURGH, NY ENCLAVE IMPROVEMENTS BUILDINGS 516, 807, 520 & 811 BUILDING 807 BASEMENT & FIRST FLOOR	
CODE ID. NO. 80081	SIZE D
SCALE: 1/8" = 1'-0"	
EFD NO.	
STA. PROJ. NO.	
SPEC. NO. 04-04-0030	
CONSTR. CONTR. NO. N62472-04-C-0030	
NMFC DRAWING NO. 2224503	
SHEET 33 OF 38	
HM-5	
DRAWING REVISION FEBRUARY 2001	







BUILDING 811 SECOND FLOOR PLAN

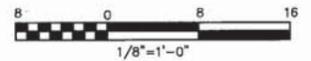


BUILDING 811 ROOF PLAN

HAZARDOUS MATERIAL	LOCATION	ESTIMATED QUANTITY
ASBESTOS-CONTAINING FLUE PUTTY	BUILDINGS 516, 520, 811-MECHANICAL ROOM	12 SF
ASBESTOS-CONTAINING EXTERIOR DOOR CAULKING	ALL BUILDINGS-EXTERIOR DOORS	20 DOORS (336 LF)
ASBESTOS-CONTAINING 1'X1' WHITE FLOOR TILE & MASTIC	BUILDING 516-THROUGHOUT	4,264 SF
	BUILDING 520-THROUGHOUT	4,264 SF
	BUILDING 807-1E, 2E, 2H, 2J	811 SF
ASBESTOS-CONTAINING 1'X1' GREY MOTTLED FLOOR TILE & MASTIC	BUILDING 811-1A, 1B, 1J, CORRIDOR-1, STAIR HALL-1, STAIR HALL-2, 2A, 2B	1,456 SF
	BUILDING 811-1C, 1D, 1E, 1F, 1G, CORRIDOR-2, 2C, 2D, 2E, 2F, 2G, 2H, 2J	2,592 SF
ASBESTOS-CONTAINING EXTERIOR WINDOW CAULKING & FRAMES	ALL BUILDINGS-EXTERIOR WINDOWS & FRAMES	160 WINDOWS (1,624 LF)
ASBESTOS-CONTAINING BASEMENT WINDOW PUTTY	ALL BUILDINGS-LAUNDRY ROOM WINDOWS	4 WINDOWS (64 LF)
ASBESTOS-CONTAINING CAULKING AROUND SEAM	ALL BUILDINGS-ENTRANCE ROOF OVERHANG	4 OVERHANGS (40 LF)
ASSUMED ASBESTOS-CONTAINING FIRE DOORS	ALL BUILDINGS-BASEMENTS	12 DOORS
ASSUMED ASBESTOS-CONTAINING GLUE DAUBS	BUILDING 811-1A, 2A	430 SF
MERCURY-CONTAINING LIGHT TUBES	ALL BUILDINGS-THROUGHOUT	608 LIGHT TUBES

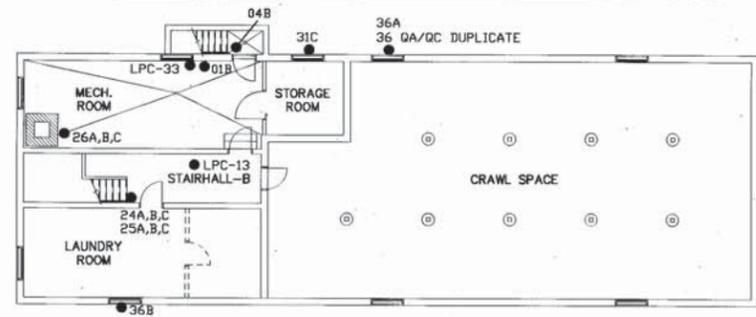
- 1) THIS HAZARDOUS MATERIALS SURVEY PLAN HAS BEEN PREPARED TO ALERT CONTRACTORS TO THE PRESENCE OF ASBESTOS-CONTAINING BUILDING MATERIALS (ACBM'S) AND THE LOCATIONS WHERE THESE MATERIALS MAY BE ENCOUNTERED. LOCATIONS OF ACBM'S NOT DISTURBED BY THE CONTRACTOR OPERATIONS DO NOT REQUIRE ABATEMENT. MATERIALS REQUIRING ABATEMENT MUST BE ABATED IN ACCORDANCE WITH SPECIFICATION SECTION 13281N ENGINEERING CONTROLS FOR ASBESTOS MATERIALS.
- 2) DISCONNECT ALL ELECTRICAL CIRCUITS TO ENSURE SAFE WORKING AREA AND CONDITIONS. COORDINATE WITH FACILITIES ENGINEERING TO SHUT OFF AND TAG-OUT ELECTRICITY AND OTHER UTILITIES AS NECESSARY.
- 3) REMOVE AND DISPOSE OF MERCURY-CONTAINING LIGHT TUBES IN ACCORDANCE WITH 40CFR 263 AND 40CFR 273 AND SPECIFICATION 13286N HANDLING OF LIGHTING LAMPS CONTAINING MERCURY.
- 4) SEE DRAWINGS HM-9 & HM-10 FOR HAZARDOUS MATERIALS SAMPLE LOCATION PLANS. SEE SPECIFICATIONS SECTION 02220, APPENDIX A, FOR TEST RESULTS.

SYMBOL	DESCRIPTION
	ASBESTOS-CONTAINING FLOOR TILE AND/OR MASTIC
	ASSUMED ASBESTOS-CONTAINING FIRE DOOR
	ASSUMED ASBESTOS-CONTAINING CEILING GLUE DAUBS

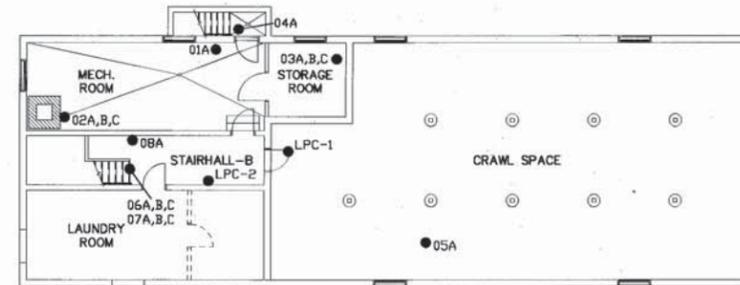


CHECK GRAPHIC SCALES BEFORE USING

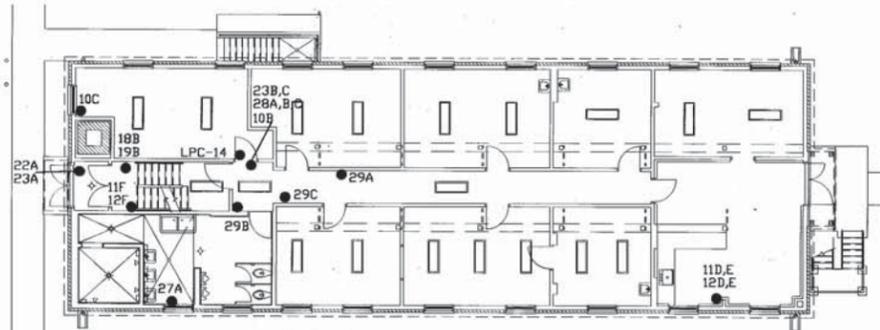
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DESCRIPTION	
SYL	
<b>FAY, SPOFFORD &amp; THORNDIKE</b> <small>3 BURLINGTON WOODS BURLINGTON, MA 01803</small>	
APPROVED	
ACTIVITY - SATISFACTORY TO	
DATE	
APPROVED	
FOR IFA FOR COMMANDER HWAFAC	
DATE	AUGUST 5, 2008
A/E	ETD
W/S	DESIGN
W/S	DRAWN
PJP	REVIEW
PJP	DC
MAR	CHIEF ARCH/ ENGR.
DESIGN MANAGER	
FIRE PROTECTION	
BRANCH MANAGER	
DESIGN DIRECTOR	
<small>DEPARTMENT OF THE NAVY</small> <b>ENGINEERING FIELD ACTIVITY NORTHEAST</b> <small>LESTER</small> <b>MCRS STEWART AIR NATIONAL GUARD BASE NEWBURGH, NY</b> <b>ENCLAVE IMPROVEMENTS</b> <b>BUILDINGS 516, 807, 520 &amp; 811</b> <b>BUILDING 811 SECOND FLOOR &amp; ROOF</b>	
CODE ID. NO. 80091	SIZE: 0
SCALE: 1/8" = 1'-0"	
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SPEC. NO. 04-04-0030	
CONSTR. CONTR. NO.	
N82472-04-C-0030	
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2224506	
SHEET 36 OF 38	
HM-8	
<small>ENGINEERING REVISION FEBRUARY 2001</small>	



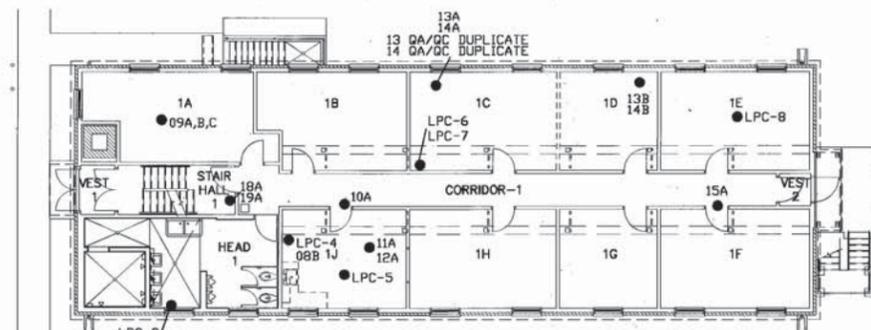
BUILDING 807 BASEMENT FLOOR PLAN



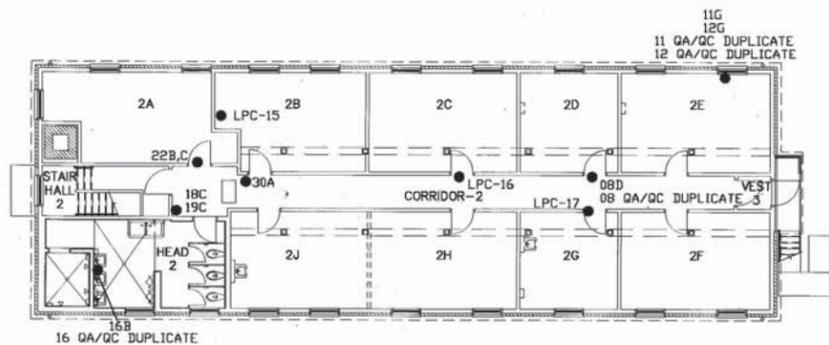
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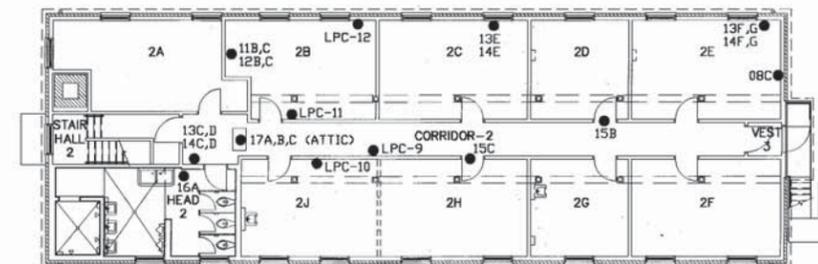
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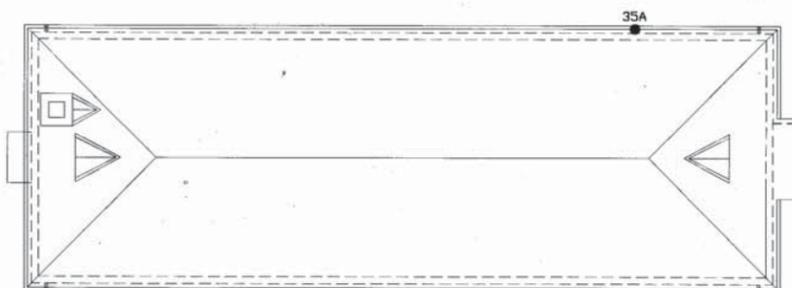
BUILDING 811 FIRST FLOOR PLAN



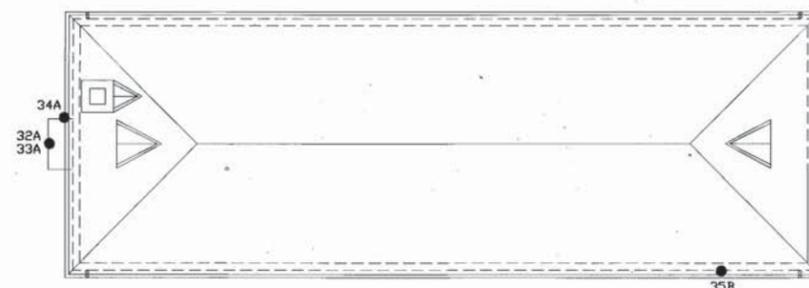
BUILDING 807 SECOND FLOOR PLAN



BUILDING 811 SECOND FLOOR PLAN



BUILDING 807 ROOF PLAN



BUILDING 811 ROOF PLAN

DATE	
DESCRIPTION	



APPROVED	
ACTIVITY - SATISFACTORY TO	
DATE	
APPROVED	
FOR EPA FOR COMMANDER NWFAC	
DATE	AUGUST 5, 2005
A/E	ETD
W/S	DESIGN
W/S	DRAWN
PJP	REVIEW
PJP	DC
MAR	CHIEF ARCH./ ENGR.
DESIGN MANAGER	
FIRE PROTECTION	
BRANCH MANAGER	
DESIGN DIRECTOR	

DEPARTMENT OF THE NAVY  
 ENGINEERING FIELD ACTIVITY NORTHEAST  
 NAVAL FACILITIES ENGINEERING COMMAND  
 PENNSYLVANIA  
 MCRS STEWART AIR NATIONAL GUARD BASE NEWBURGH, NY  
 ENCLAVE IMPROVEMENTS  
 BUILDINGS 516, 807, 520 & 811  
 BUILDINGS 807 & 811 HAZARDOUS MATERIALS  
 SAMPLE LOCATION PLANS

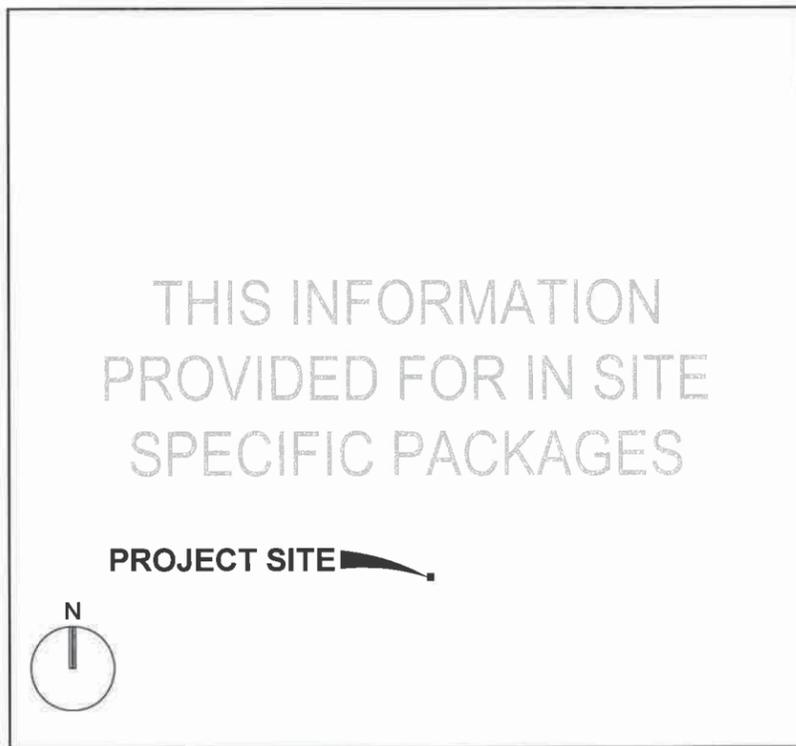
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SPEC. NO.	04-04-0030		
CONSTR. CONTR. NO.	N82472-04-C-0030		
NWFAC DRAWING NO.	2224508		
SHEET	38	OF	38
HM-10			
DRAWING REVISION FEBRUARY 2001			

U.S. MARINE CORPS TRAINING CENTER  
FINAL BUILDING / PIT STANDARD DESIGN

NOVEMBER 2012  
100% SUBMITTAL

# MARINE CORPS MARTIAL ARTS PROGRAM (MCMAP) TRAINING PITS

PROJECT NUMBER W912DY-08-D-0043  
DELIVERY ORDER No. 0043



LOCATION MAP N.T.S.

DRAWING INDEX	
SHEET No.	DESCRIPTION
G-001	COVER SHEET / DRAWING INDEX
* C-001	CIVIL GENERAL NOTES AND ABBREVIATIONS
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E-100A	FLOOR PLAN - LIGHTNING PROTECTION (28' x 28')
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\*INCLUDED SITE SPECIFIC PACKAGES



US Army Corps of Engineers  
Engineering and Support  
Center, Huntsville



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PROJECT: T. MORAN  
CHIEF ENGINEER: T. MORAN

DEPARTMENT OF THE NAVY  
PROJECT SITE  
MARINE FORCES RESERVE  
MARINE CORPS MARTIAL ARTS PROGRAM  
(MCMAP) TRAINING PITS - STANDARD DESIGN  
COVER SHEET / DRAWING INDEX

CODE NO. 100000  
SCALE: AS SHOWN  
STA. DWG. NO.  
STA. PREL. NO.  
SPEC. NO.  
CONTR. CENTER NO. W912DY-08-D-0043  
TASK ORDER NO. 0043  
MANUFACTURING NO.  
N/A

SHEET 1 OF 14  
**G-001**

## STRUCTURAL GENERAL NOTES

- A SINGLE DESIGN USING WORST CASE WIND, SNOW, AND SEISMIC CONDITIONS HAS BEEN PERFORMED FOR THE FOLLOWING SITES. IF THE SITE IS NOT LISTED BELOW, THE CONTRACTOR MUST VERIFY WITH THE STRUCTURAL ENGINEER OF RECORD THAT THE USE OF THIS DESIGN IS APPLICABLE TO THE SELECTED SITE.
  - ORLANDO, FLORIDA
  - GALVESTON, TEXAS
  - WACO, TEXAS
  - GRAND PRAIRIE, TEXAS
  - ROANOKE, VIRGINIA
  - DAM NECK, VIRGINIA
  - FREDERICK, MARYLAND
  - WILMINGTON, DELAWARE
  - HARRISBURG, PENNSYLVANIA
  - RED BANK, NEW JERSEY
  - SYRACUSE, NEW YORK
  - MOUNT CLEMENS, MICHIGAN
  - GREEN BAY, WISCONSIN
- STRUCTURAL DESIGN CRITERIA:
  - BUILDING CODES AND STANDARDS: 2009 INTERNATIONAL BUILDING CODE  
AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS (ACI 318-08)  
ASCE 7-05 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES  
AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION, LRFD METHOD  
UFC 1-200-01, GENERAL BUILDING REQUIREMENTS  
UFC 3-301-01, STRUCTURAL ENGINEERING
  - DEAD LOADS: ACTUAL WEIGHT OF MATERIALS USED
  - LIVE LOADS:
 

ROOF:	20 PSF
GROUND SNOW, pg:	40 PSF (BASED ON SYRACUSE, NY LOCATION)
FLOOR:	NONE
  - WIND LOADS (BASED ON GALVESTON, TX LOCATION):  
PER UFC 3-301-01:  
BASIC WIND SPEED OF 132 MPH, EXPOSURE "C"  
IMPORTANCE FACTOR = 1.0
  - SEISMIC (BASED ON RED BANK, NJ LOCATION): IBC 2006  
OCCUPANCY CATEGORY II  
IMPORTANCE FACTOR: I=1.0  
SITE (SOIL) CLASSIFICATION: D  
  
GROUND MOTION:  
0.2 SEC DESIGN SPECTRAL RESPONSE ACCEL.:  $S_s = 0.30g$   
1.0 SEC DESIGN SPECTRAL RESPONSE ACCEL.:  $S_1 = 0.06g$   
0.2 SEC DESIGN SPECTRAL RESPONSE COEFFICIENT:  $S_{DS} = 0.32g$   
1.0 SEC DESIGN SPECTRAL RESPONSE COEFFICIENT:  $S_{D1} = 0.10g$   
  
SEISMIC DESIGN CATEGORY: B  
BASIC SEISMIC FORCE RESISTING SYSTEMS:  
STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE:  
RESPONSE MODIFICATION FACTOR:  $R = 3.0$   
SEISMIC RESPONSE COEFFICIENT:  $C = 0.107_g$   
ANALYSIS PROCEDURE: E.L.F.  
DESIGN BASE SHEAR:  $V = 0.107W$
- SUBSTITUTION OF EXPANSION ANCHORS FOR EMBEDDED ANCHORS SHOWN ON DRAWINGS WILL NOT BE PERMITTED. WELDED STUD PLATE ANCHORS OF EQUIVALENT PULLOUT STRENGTH MAY BE SUBSTITUTED FOR PLATE ANCHORS SHOWN ON DRAWINGS SUBJECT TO APPROVAL OF ENGINEER OF RECORD.
- ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF (ASSUMED), FROST DEPTH = 4'-0" BELOW GRADE (BASED ON SYRACUSE, NY LOCATION).
- DRAINAGE: ALL EXCAVATION SHALL BE PERFORMED SO THAT THE SITE AND THE AREA IMMEDIATELY SURROUNDING THE SITE WHICH AFFECTS CONSTRUCTION OPERATIONS WILL BE CONTINUALLY AND EFFECTIVELY DRAINED. THE CONTRACTOR SHALL PROVIDE DRAINAGE AND DEWATERING AS REQUIRED TO ENSURE THAT ALL FOOTING EXCAVATIONS ARE ACCOMPLISHED WITH THE SUBGRADE SOILS REMAINING DRY AND FIRM UNTIL AFTER FOOTINGS ARE PLACED AND BACKFILLED. REMOVAL OF SURFACE WATER, GROUND WATER, AND ANY PERCHED WATER CONDITIONS WHICH MIGHT BE ENCOUNTERED DURING EXCAVATIONS SHALL BE ACCOMPLISHED BY APPROVED MEANS. REFER TO SPECIFICATION SECTION "EARTHWORK," PARAGRAPHS "DRAINAGE" AND "DEWATERING" FOR ADDITIONAL REQUIREMENTS.

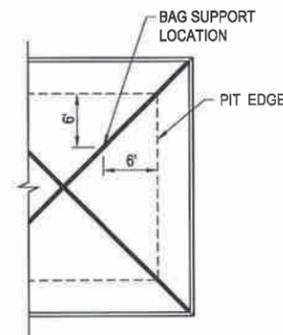
## CONCRETE AND FOUNDATION NOTES

- UNLESS NOTED OTHERWISE, ALL CAST-IN-PLACE CONCRETE SHALL HAVE A SPECIFIED MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
- REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.
- UNLESS NOTED OTHERWISE, LAP SPLICES AND EMBEDMENT LENGTHS SHALL CONFORM TO THE REINFORCING SPLICE AND DEVELOPMENT LENGTH PER ACI 318-08.
- CONCRETE COVER OVER STEEL REINFORCING SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF ACI 318.
- FABRICATION OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE DETAILS OF ACI 315, "DETAILING OF CONCRETE REINFORCEMENT".
- ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4" ON CORNERS UNLESS NOTED OTHERWISE.
- SUBGRADE SHALL BE UNIFORM OVER THE ENTIRE FOUNDATION AREA.

SOIL SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER MODIFIED PROCTOR ASTM D1557 UNLESS SITE-SPECIFIC GEOTECHNICAL ENGINEER SPECIFIES MORE STRINGENT REQUIREMENTS.

## PRE-ENGINEERED METAL BUILDING NOTES

- THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL DESIGN THE STRUCTURAL SYSTEM TO PROVIDE SUPPORT FOR THE GRAVITY LOADS AS WELL AS ADEQUATE RESISTANCE FOR THE LATERAL LOADS FOR THE CONDITIONS SPECIFIED IN THE GENERAL NOTES. LOAD COMBINATIONS SHALL BE IN ACCORDANCE WITH THE IBC 2006 UNLESS THE MBMA BUILDING SYSTEMS MANUAL 2006 LOAD COMBINATIONS ARE MORE STRINGENT.
- COORDINATE WITH THE ELECTRICAL AND ARCHITECTURAL DRAWINGS PRIOR TO THE DESIGN OF THE STRUCTURE.
- BUILDING LATERAL DEFLECTIONS AND RACKING LIMITS SHALL BE IN ACCORDANCE WITH "SERVICEABILITY DESIGN CONSIDERATIONS FOR LOW RISE BUILDINGS", ACI 803-04.
- STEEL FRAME SHALL BE FABRICATED AND ERECTED TO BE ELECTRICALLY CONTINUOUS FOR LIGHTNING PROTECTION. SEE NFPA 780 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- PRE-ENGINEERED METAL BUILDING MANUFACTURER MUST HAVE AISC CERTIFICATION.
- PRE-ENGINEERED METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR THE DESIGN OF COLUMN ANCHOR BOLTS AND SHALL PROVIDE ANCHOR BOLT SIZES WITH BOTH DIAMETER AND EMBEDMENT, SPACING, AND LOCATIONS.
- PRE-ENGINEERED METAL BUILDING MANUFACTURER MUST PROVIDE FINAL DESIGN DRAWINGS WITH COLUMN REACTIONS, COLUMN ANCHOR BOLT SIZES, SPACING, AND LOCATION FOR APPROVAL TO THE CONTRACTOR AND STRUCTURAL ENGINEER OF RECORD (SER) PRIOR TO BUILDING INSTALLATION.
- DESIGN THE BUILDING SYSTEM WITH HINGED COLUMN BASES. FIXED COLUMNS ARE NOT ALLOWED.
- ALL DRAWINGS, REACTIONS, DESIGN CALCULATIONS, AND SPECIFICATIONS SHALL BE PREPARED AND STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
- ALL CORNER RAFTERS NEED TO BE CAPABLE OF SUPPORTING A 150 LB POINT LOAD OF THE 150 LB HEAVY BAG.



## STANDARD STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	IF	INSIDE FACE
AC	AIR CONDITIONER	JST	JOIST
A/E	ARCHITECT/ENGINEER	K	KIP (1000 POUNDS)
AFF	ABOVE FINISHED FLOOR	KOBB	KNOCK-OUT BOND BEAM
ALT	ALTERNATE	KLF	KIPS PER LINEAR FOOT
ANCH	ANCHOR	KSF	KIPS PER SQUARE FOOT
ARCH	ARCHITECTURAL	KSI	KIPS PER SQUARE INCH
B/B	BACK-TO-BACK	LBS	POUNDS (FORCE)
BD	BOARD	LL	LIVE LOAD
BLDG	BUILDING	LLH	LONG LEG HORIZONTAL
BM	BEAM	LLV	LONG LEG VERTICAL
BRCG	BRACING	LONG	LONGITUDINAL
BRG	BEARING	LP	LOW POINT
BSMT	BASEMENT	MC	MOMENT CONNECTION
C/C	CENTER-TO-CENTER	MCJ	MASONRY CONTROL JOINT
CIP	CAST-IN-PLACE	MECH	MECHANICAL
CJ	CONTROL JOINT or CONSTRUCTION JOINT	MAX	MAXIMUM
	CENTERLINE or COLUMN LINE	MFR(S)	MANUFACTURER(S)
CL	CLEAR	MIN	MINIMUM
CLR	CONCRETE MASONRY UNIT	MO	MASONRY OPENING
CMU	COLUMN	MTL or MET	METAL
COL	CONCRETE	N/A	NOT APPLICABLE
CONC	CONNECTION	NF	NEAR FACE
CONN	CONTINUOUS	NOM	NOMINAL
CONT	CONTRACTOR	NS	NEAR SIDE
CONTR	DETAIL	NTS	NOT TO SCALE
DET. or DTL	DIAMETER	OC	ON CENTER
DIA	DIMENSION	OCEF	ON CENTER EACH FACE
DIM	DEAD LOAD	OCEW	ON CENTER EACH WAY
DL	DOWN	OPNG	OPENING
DN	DITTO	OPP	OPPOSITE
DO	DRAWING(S)	PC	PRECAST CONCRETE
DWG(S)	DOWEL	PLF	POUNDS PER LINEAR FOOT
DWL	EACH	POS	POSITIVE
EA	EACH FACE	PREFAB	PREFABRICATED
EF	EXPANSION JOINT	PSF	POUNDS PER SQUARE FOOT
EJ	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
ELEC	ELEVATION	RAD	RADIUS
ELEV	EMBEDMENT	RECT	RECTANG(LE) (ULAR)
EMBED	EQUAL	REINF	REINFORCING
EQ	EQUIPMENT	SCHED	SCHEDULE
EQUIP	EACH SIDE	SF	SQUARE FOOT (FEET)
ES	EACH WAY	SIM	SIMILAR
EW	EXISTING	SQ	SQUARE
(E) or EXIST	EXPANSION ANCHOR	SS	STAINLESS STEEL
EXP ANCH	FOUNDATION	STD	STANDARD
EXP JNT	FINISHED FLOOR	SP	SPACE(S)
FNDN	FACE-TO-FACE	T AND B	TOP AND BOTTOM
FF or FIN FLR	FACE OF CONCRETE	TOC	TOP OF CONCRETE
F/F	FACE OF MASONRY	TOD	TOP OF DECK
FOC	FINISH(ED)	TOF	TOP OF FOOTING
FOM	FLOOR	TOM	TOP OF MASONRY
FIN	GAGE	TOP	TOP OF PLATE
FLR	GALVANIZED	TOS	TOP OF STEEL
GA	GENERAL CONTRACTOR	TOW	TOP OF WALL
GALV	GRADE	TYP	TYPICAL
GB or GR BM	GRADE BEAM	TS	TUBE STEEL
GC	GENERAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
GR	GRADE	VERT	VERTICAL
HAS	HEADED ANCHOR STUD	WF	WIDE FLANGE
HCP	HOLLOW CORE PANEL	W/	WITH
HORIZ	HORIZONTAL	W/O	WITHOUT
HP	HIGH POINT	WL	WIND LOAD
HSS	HOLLOW STRUCTURAL SECTION	WP	WORKING POINT
		WWF	WELDED WIRE FABRIC
		WT	WEIGHT

NOTE: ABBREVIATIONS MAY OR MAY NOT HAVE PERIOD (.) SEPARATORS.

DEPARTMENT OF THE ARMY  
PROJECT SITE  
MARINE FORCES RESERVE  
MARINE CORPS MARTIAL ARTS PROGRAM  
(MCMAP) TRAINING PITS - STANDARD DESIGN  
GENERAL NOTES

DATE: APR  
DESCRIPTION: RFA  
SCALE: AS SHOWN  
STA. DIMS. NO.:  
STA. PROJ. NO.:  
SHEET NO.:  
CONTROL. CONTROL NO.: 10/12/07-08-D-0043  
TASK ORDER NO. 0043  
SHEET 2 OF 14  
S-001



ABOUT	ABT
ACCESS DOOR	AD
ACCESS PANEL	AP
ACOUSTICAL	ACST
ACOUSTICAL TILE CEILING	ATC
ABOVE FINISH FLOOR	AFF
AQUEOUS FILM-FORMING FOAM	AFFF
ABOVE FINISH GRADE	AFG
AGGREGATE	AGG
AIR CONDITIONING	A/C
AIR HANDLING UNIT	AHU
ALTERNATE	ALT
ALTERNATING CURRENT	AC
ALUMINUM	AL
ALUMINUM CONDUCTOR	ACSR
STEEL REINFORCED	
AMERICAN WIRE GAUGE	ASWG
AMPERE	AMP
AMPS INTERRUPTING CAPACITY (SYM RMS)	AIC
ANCHOR BOLT	AB
ANGLE	L
APPROVED	APPD
APPROXIMATE	APPROX
ARCHITECTURAL	ARCH
AREA DRAIN	AD
AREA INLET	AI
ASPHALT	ASPH
AUTOMATIC	AUTO
AT	@
AVENUE	AVE
AVERAGE	AVG

CONDENSING UNIT	CU
CONDUIT (for raceway)	C. or CND
CONNECTION	CONN
CONSTRUCTION	CONSTR
CONSTRUCTION JOINT	CJ
CONTRACTING OFFICER REPRESENTATIVE	C.O.R.
CONTINUOUS	CONT.
CONTROL	CTRL
CORNER	COR
CORNER GUARD	CG
CORPS OF ENGINEERS	C.O.E.
CORRIDOR	CORR
CORROSIVE-RESISTANT	CRES
STEEL	
CORRUGATED METAL PIPE	CMP
COUNTER	CNTR
COUNTERSUNK	CSK
COURSE	CRS
COVERED	COV
COVER ELEVATION	CE
CUBIC FEET PER MINUTE	CFM
CUBIC YARDS	CU YD
CURB INLET	CI
CURB & GUTTER	C&G
CYCLES PER SECOND	CPS
CYLINDER	CYL

FACING	FCG
FAN COIL UNIT	FC
FAHRENHEIT	F
FAR SIDE	F.S.
FEET or FINNED TUBE	DT
FEET PER MINUTE	F.P.M.
FIBER OPTIC CABLE	FOC
FIELD VERIFY	FV
FIGURE	FIG
FINISH	FIN.
FINISH FLOOR	FF
FIRE EXTINGUISHER	FE
FIRE EXTINGUISHER CABINET	FEC
FIRE HOSE CABINET	FHC
FIRE HYDRANT	FH
FIREPROOF	FPRF
FIRE PROTECTION	FP
FIXTURE	FIX.
FLASHING	FLASH.
FLOOR	FL
FLOOR DRAIN or FIRE DAMPER	FD
FLOWLINE	FL
FLOORING	FLG
FLUORESCENT	FLUOR
FLUSH FLOOR CLEANOUT	FFCO
FOOT CANDLE	FC
FOOTING	FTG
FOUNDATION	FDN
FRAME or FIRE-RATED	FR
FRESH AIR	FA
FULL SIZE	F.S.
FURRING	FURR'G

INTERNATIONAL BUILDING CODE	IBC
INVERT ELEVATION	IE
INVERT	INV
IRON	I or FE
IRON PIPE	I.P.

JANITOR CLOSET	JC
JOINT	JT
JOIST	JST
JUNCTION	JCT
JUNCTION BOX	JB

KEY	K
KEY LOCK	KL
KICKPLATE	KP
KILOVOLTS	KV
KILOVOLT AMPERES	KVA
KILOVOLT	KVAR
AMPERES REACTIVE	KW
KILOWATTS	KW
KITCHEN	KIT
KIPS/SQUARE INCH	KSI
KIPS/SQUARE FOOT	KSF
KILOWATT HOUR METER	KWH

LANDING	LDG
LAUNDRY	LAU
LAVATORY	LAV
LAWN IRRIGATION SYSTEM	LIS
LENGTH	LG
LIGHT	LT
LIGHTING	LTG
LIGHTPROOF SHADE	LPS
LIGHTWEIGHT	LT. WT.
LINEAR	LIN
LINTEL	LINTEL
LOAD	LD
LOADING	LDG
LONGITUDINAL	LONG
LONG - LEG HORIZONTAL	LLH
LONG - LEG VERTICAL	LLV
LOW POINT	LP
LUMBER	LBR
LUMEN	L

MACHINE	MACH
MAHOGANY	MHGY
MANHOLE	MH
MANUFACTURE	MFR
MANUFACTURING	MFG
MASONRY	MAS
MASONRY OPENING	MO
MASONRY UNIT	MU
MASTIC	MSTC
MATCH EXISTING	ME
MATCH & BEADED	M & B
MATERIAL	MAT
MAXIMUM	MAX
MECHANICAL	MECH
MEDICINE CABINET	MC
METAL	MET.
METAL LATHE	ML
METAL THRESHOLD	MT
MINIMUM	MIN
MONITORING WELL	MW
MONOLITHIC	MONO
MONUMENT	MON
MOTOR	MOT
MOTOR GENERATOR	MG
MOULDING	MLDG
MOUNTED	MTD

NATIONAL ELECTRICAL CODE	NEC
NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION	NEMA
NEAR SIDE	NS
NORTH	N
NOT IN CONTRACT	NIC
NUMBER	NO.

OBSCURE	OBSC
OBSCURE GLASS	OBGL
OBSCURE WIRE GLASS	OB WG
OFFICE	OFF.
OIL/WATER SEPARATOR ON CENTERS	OWS
OPENING	OPNG
OPPOSITE	OPP
OPPOSITE HAND	OPP. HD.
OPERATIONS	OPS
OUTSIDE AIR	OA
OUTSIDE DIMENSION	OD
OUTSIDE PLANT CABLE	OSP
OVERFLOW SCUPPER	OVSCP
OVERHEAD	OH

PAINTED	PTD
PAIR	PR
PANEL	PNL
PANEL BOARD	PNL BD
PANIC BOLT	PAN. B.
PARAPET	PRPT
PARTITION	PTN
PAVEMENT DRAIN	PD
PENNY (i.e. nail-10d)	d
PERFORATED	PERF
PHASE	PH or Ø
PIECE	PC
PILING	PLG
PLASTER	PLAS
PLASTIC LAMINATE	P. LAM.
PLATE	PL or P
PLATFORM	PLATF
PLUMBING	PLBG
PLYWOOD	PLY WD
POINT	PT
POINT OF INTERSECTION	PI
POINT OF TANGENCY	POT
POLE	P
POLISH	POL
PORCELAIN	PORC
POST INDICATOR VALVE	PIV
POUNDS	LBS
POUNDS/SQUARE FOOT	PSF
POUNDS/SQUARE INCH	PSI
POWER LINE	PL
POWER POLE	PP
PREFABRICATED	PREFAB
PRESSURE	PRV
REGULATING VALVE	P/S
PRESTRESSED	PROJ
PROJECTION	PROP
PROPOSED	PA
PUBLIC ADDRESS	PBS
PUSH BUTTON STATION	

QUARRY TILE	Q.T.
QUART	QT
QUARTER ROUND	1/4 RD
QUARTERS	QRTERS

RADIATOR CONVECTOR	RC
RADIUS	RAD or R
RANGE	RGE
RECEIVER	RCVR
RECEPTACLE	RECP
RECREATION	RECR
REFERENCE	REF or RE
REFRIGERATOR	REFR
REGISTER	REG
REGULAR	REG
REINFORCED	RCB
CONCRETE BOX	RCP
REINFORCED	
CONCRETE PIPE	REINF
REINFORCEMENT	RC
REMOTE CONTROL	REM
REMOVABLE	REQ'D
REQUIRED	RA
RETURN AIR	REV
REVISIONS	R
RISER	ROW
RIGHT-OF-WAY	RD
ROAD	R.D.
ROOF DRAIN	R.S.
ROOF SCUTTLE	RM
ROOM	RMC
RIGID METAL CONDUIT	RGH
ROUGH	RD or Ø
ROUND	RUB
RUBBER	RB
RUBBER BASE	

SANITARY SEWER	SS
SANITARY SEWER MANHOLE	SSMH
SCHEDULE	SCH
SCREW	SCR
SCUPPER	SCP
SCUTTLE	SCUT
SECRETARY	SECY
SECTION	SECT
SEQUENCE	SEQ
SHEATHING	SHTHG
SHEET	SHT
SIDEWALK	S/W
SIMILAR	SIM
SINGLE POLE	SPDT
DOUBLE THROW	
SOUNDPROOF	SPF
SOUTH	S
SPACE HEATER	SPH
SPACING	SP
SPEAKER	SPKR
SPECIAL	SPL

SPECIFICATIONS	SPEC
SPRINKLER UNIT	SU
SPLASH BLOCK	SB
SQUARE	SQ or □
SQUADRON	SQUAD
STAINLESS STEEL	S.S.T.
STAIRWAY	STWY
STANDARD	STD
STATION	STA
STEEL	STL
STIFFENER	STF
STONE	STN
STORAGE	STOR
STORM DRAIN	SD
STORM DRAIN MANHOLE	SDMH
STRAND	ST
STRINGER	STGR
STRUCTURAL	STR
STRUCTURAL FACING UNIT	SFU
SUB FLOOR	SUB FL
SUPPLY AIR	SA
SUPPLY AIR FAN	SAF
SUPPLY DIFFUSER	S.D.
SUPPLY REGISTER	SR
SUSPENDED	SUSP
SWITCH	SW
SWITCHBOARD	SWBD
SYMMETRICAL	SYMM
SEISMIC SURVEY	SL

TELE TERMINAL BOARD	TTB
TACK BOARD	TBD
TANGENT	TAN.
TELEPHONE	TEL
TELEVISION	TV
TEMPERATURE	TMP
TERMINAL	TERM
TERRAZZO	TER
TEST PIT	TP
THERMOSTAT	THERMO
THICK	THK
THOUSAND	M
THOUSAND	MCM
CIRCULAR MILLS	TH
THRESHOLD	TBR&R
TO BE REMOVED AND REPLACED	
TOGGLE	TGL
TOILET	TOIL.
TOP AND BOTTOM	TAB
TOP OF	T.O.
TOP OF CONCRETE	TOC
TOP OF STEEL	TOS
TOPOGRAPHY	TOPO
TRAINING AREA	TA
TRANSFER DUCT	TD
TRANSFORMER	XFMTR
TREAD	T
TYPICAL	TYP

UNDERGROUND ELECTRIC	UGE
UNDERGROUND	UG
UNDERWRITERS' LABORATORIES	UL
UNEXCAVATED	UNEX
UNFINISHED	UNFIN
UNLESS NOTED OTHERWISE	UNO
UNIT COOLER	UC
UNIT HEATER	UH
UNIT VENTILATOR	UV
UNITED STATES	U.S.
URINAL	UR
USE IN PLACE	UIP
UTILITY	UT

VARIABLE FREQUENCY DRIVE UNIT	VFDU
VENTILATION or VENTILATOR	VENT
VENT STACK	VS
VENT THRU ROOF	VTR
VERIFY IN FIELD	VIF
VERTICAL	VERT
VINYL COMPOSITION TILE	VCT
VINYL BASE	VB
VINYL-WALL COVERING	VC
VITRIFIED CLAY PIPE	VCP
VOLT	V
VOLUME	VOL

WALL HYDRANT	WH
WARDROBE	WRB
WASTE STACK	WS
WATER CLOSET	WC
WATER ELEVATION	W.E.
WATER LINE	WL
WATERPROOF	WPF
WATERPROOFING	WPPFG
WATER VALVE	WV
WATTAGE TAP	TAP

WATTHOUR METER	WHM
WEAPON STORAGE AREA	WSA
WEATHERPROOF	WP
WEATHERSTIPPING	WS
WEIGHT	WT
WELDED WIRE FABRIC	WWF
WEST	W
WET BULB	WB
WIDE FLANGE	WF
WITH	W/
WITHOUT	W/O
WOOD	WD
WORKSHOP	WKS
WROUGHT IRON	W.I.

YARD	YD
YARD DRAIN	Y.D.

### GENERAL NOTES

- THESE LEGENDS ARE COMPOSED OF STANDARD SYMBOLS AND ARE PERTINENT TO THE CONDITIONS ON THIS SET OF DRAWINGS TO THE EXTENT APPLICABLE.
- ADDITIONAL LEGENDS AND/OR ANOTHER LEGEND SHEET MAY APPEAR IN THIS SET OF DRAWINGS TO INDICATE SPECIFIC CONDITIONS IN LIEU OF SYMBOLS SHOWN ON THIS SHEET.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE COMMENCEMENT OF ANY WORK.
- DIMENSIONS ARE TO FACE OF MASONRY, MASONRY OPENING OR FINISH FACE OF WALL UNLESS NOTED OTHERWISE.

### GENERAL PROJECT NOTES

- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING ITSELF WITH ALL FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK SHALL BE ACCOMPLISHED AS SHOWN, PRIOR TO PROCEEDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE CONTRACTING OFFICER REPRESENTATIVE (COR) REGARDING ANY QUESTIONS ABOUT THE EXISTING CONDITIONS AND/OR DESIGN INTENT, BEFORE PROCEEDING WITH THE WORK.
- CONTRACTOR SHALL VERIFY, COORDINATE AND COMPLY WITH ALL CURRENT BUILDING CONSTRUCTION CODES AND STANDARDS.
- THE CONTRACTOR SHALL PROVIDE COMPLETE AND OPERATIONAL BUILDING SYSTEMS/ COMPONENTS. PROVIDE ALL MISCELLANEOUS ITEMS NOT SPECIFICALLY NOTED BUT REQUIRED FOR THE PROPER EXECUTION OF THE WORK.
- ALL FIRE PROTECTION, PLUMBING, HVAC, LIGHTING AND ELECTRICAL SYSTEM REQUIREMENTS SHALL BE COORDINATED WITH ENGINEERING DRAWINGS. IF ITEMS ARE NOT SHOWN ON ENGINEERING DRAWINGS, NOTIFY COR IMMEDIATELY FOR DETERMINATION OF INCLUSION IN THE WORK.

### ARCHITECTURAL LEGEND

	CONCRETE		INSULATION - RIGID
	CONCRETE BLOCK		INSULATION - BLANKET
	EARTH - EXISTING		METAL
	EARTH - FILL		WOOD (ROUGH)
	FIRE EXTINGUISHER CABINET		WOOD (FINISH)
	GYPSUM WALLBOARD		

### ARCHITECTURAL SYMBOLS

	DOOR IDENTIFICATION:		GRAPHIC SCALE
	ROOM NUMBER		ELEVATION TAG
	DOOR NUMBER		NORTH ARROW
	COLUMN GRIDS		KEYED NOTES
	CENTERLINE		WALL TYPE
	ROOM NUMBER		EXTERIOR ELEVATION MARKER
	SECTION:		INTERIOR ELEVATION MARKER
	SECTION LETTER		
	SHEET No. SHOWN		
	SHEET No. TAKEN		
	DETAIL:		
	DETAIL NUMBER		
	SHEET No. SHOWN		
	SHEET No. TAKEN		

DEPARTMENT OF THE ARMY  
UNITED STATES MARINE CORPS

US Army Corps of Engineers  
Engineering and Support Center, Huntsville

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ATLANTA, GEORGIA 30303-1919  
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12801 Auburn Street  
Detroit, Michigan 48223  
205.818.4000

DEPARTMENT OF THE ARMY  
MARINE FORCES RESERVE  
PROJECT SITE  
MARINE CORPS MARTIAL ARTS PROGRAM  
(MCMAP) TRAINING PITS - STANDARD DESIGN  
ARCHITECTURAL LEGEND AND ABBREVIATIONS

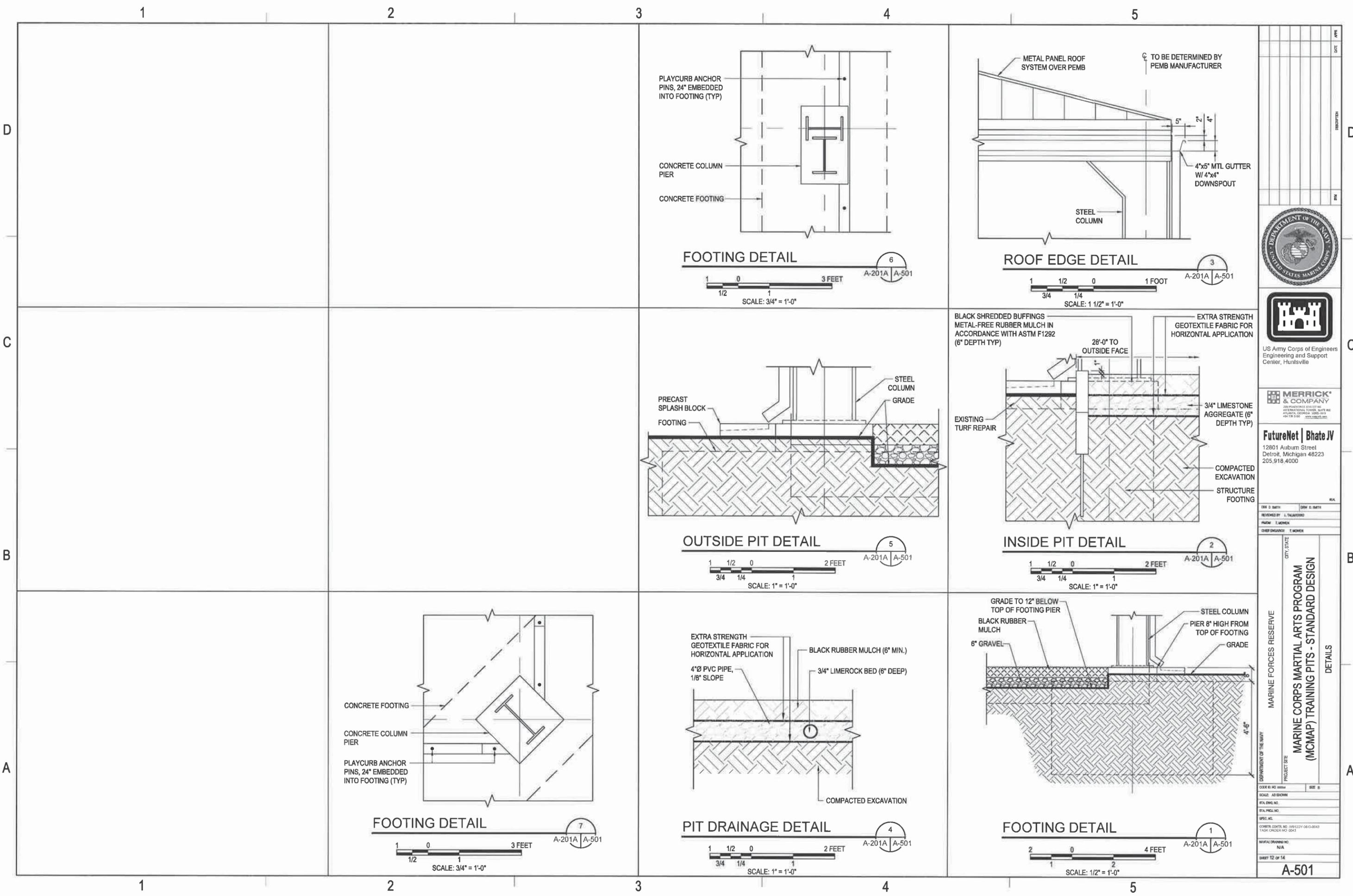
CODED NO. 20000  
SCALE: AS SHOWN  
SIA PROJ. NO.  
SIA INCL. NO.  
SREC. NO.  
SHEET 5 OF 14

A-001









DATE: APR
DESCRIPTION:
REV:
 DEPARTMENT OF THE NAVY UNITED STATES MARINE CORPS
 US Army Corps of Engineers Engineering and Support Center, Huntsville
 MERRICK & COMPANY 200 PRAIRIEVILLE BLVD ATLANTA, GEORGIA 30329-1119 404.726.5100
<b>FutureNet   Bhat JV</b> 12801 Auburn Street Detroit, Michigan 48223 205.918.4000
DESIGNED BY: [ ] CHECKED BY: [ ] REVIEWED BY: L. SALVENDY PROJECT: T. MCKEN CHIEF ENGINEER: T. MCKEN
DEPARTMENT OF THE NAVY MARINE FORCES RESERVE MARINE CORPS MARTIAL ARTS PROGRAM (MCMAP) TRAINING PITS - STANDARD DESIGN DETAILS
CODE NO. 10000 SCALE: AS SHOWN STA. DIM. NO. STA. PIELL. NO. SPEC. NO. CONTR. CONTROL NO. 1091227-06-D-2043 TASK ORDER NO. 0543 W/AFAC DRAWING NO. N/A SHEET 12 OF 14 <b>A-501</b>

