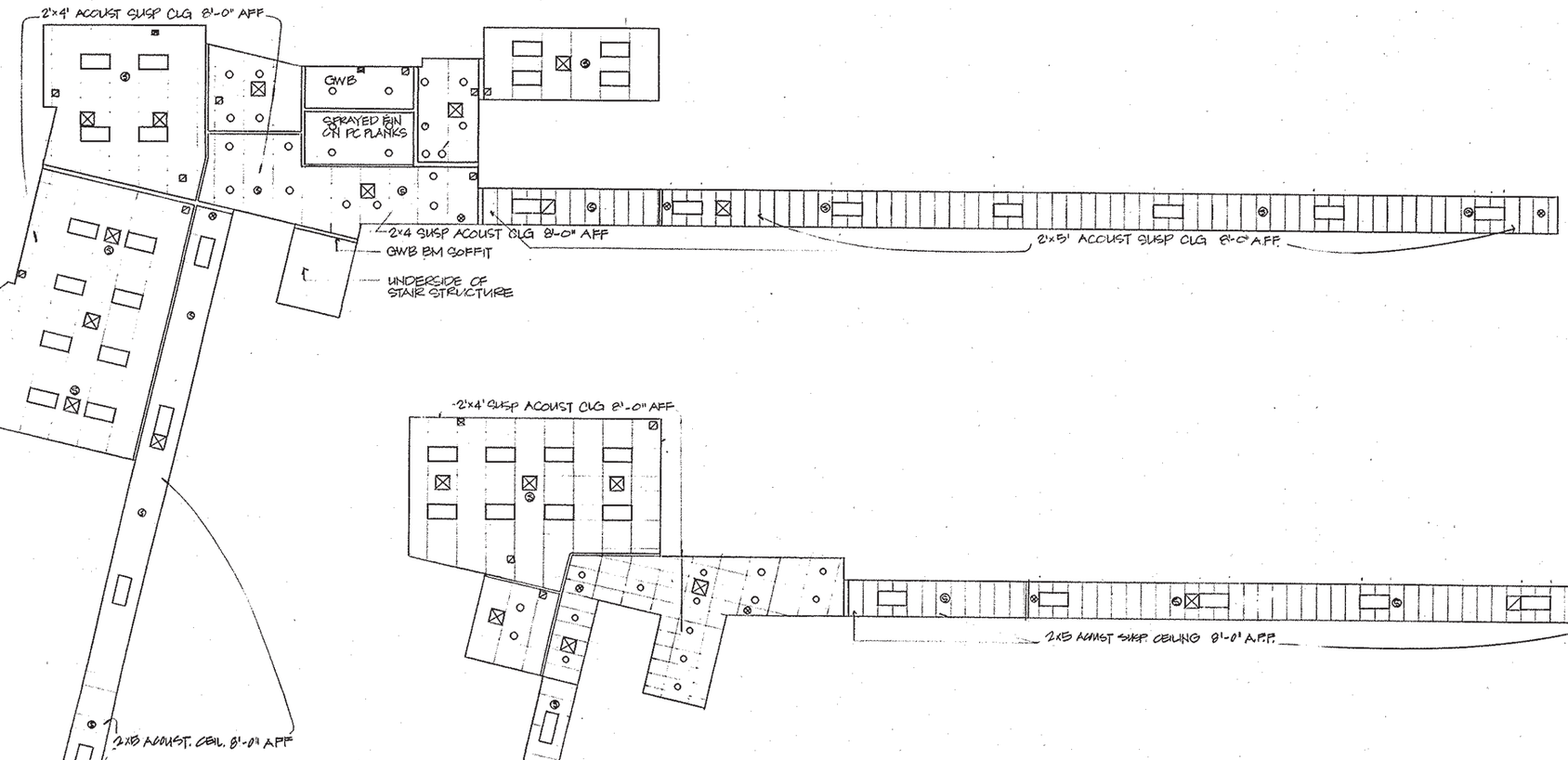
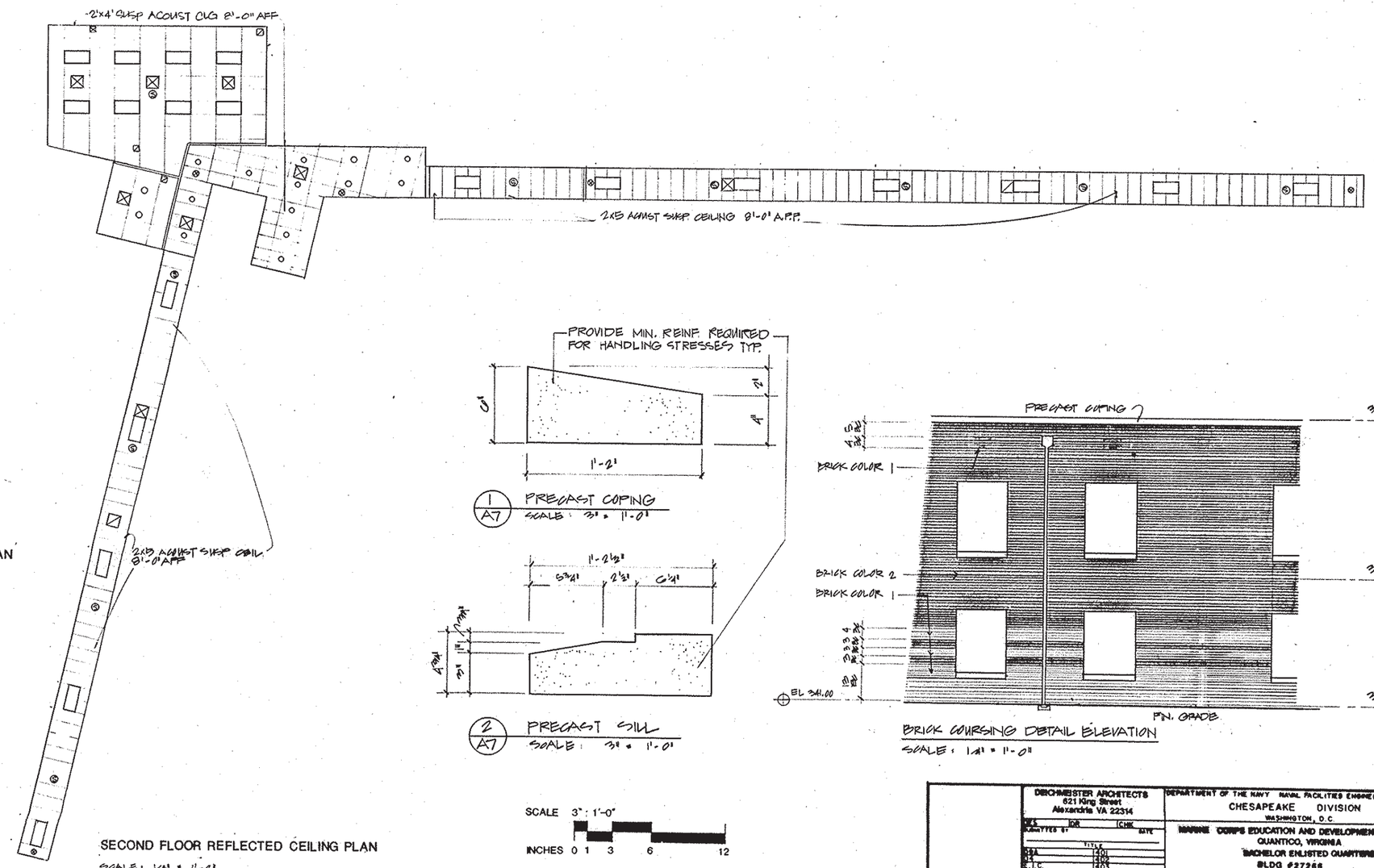


FIRST FLOOR REFLECTED CEILING PLAN

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



SECOND FLOOR REFLECTED CEILING PLAN

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

1/A7 PRECAST COPING
SCALE: 3" = 1'-0"

2/A7 PRECAST SILL
SCALE: 3" = 1'-0"

BRICK COURSING DETAIL ELEVATION

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

2'x4' CLG MOUNTED FLUOR. LIGHT FIXTURE
INCANDESCANT RECESSED CLG LIGHT FIXTURE (SEE E-DWGS FOR FIXTURE LIST) (CENTER FIXTURES IN GRID CLG TILE TYP.)
SMOKE DETECTOR
EXIT LIGHT
CEILING AIR DIFFUSER
CEILING AIR RET. OR TRANSFER GRILLE

SCALE 3" : 1'-0"
INCHES 0 1 3 6 12

SCALE 1/4" : 1'-0"
FEET 0 1 2 5 10

SCALE 1/8" : 1-0"
FEET 0 2 4 10 20

A-7

DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

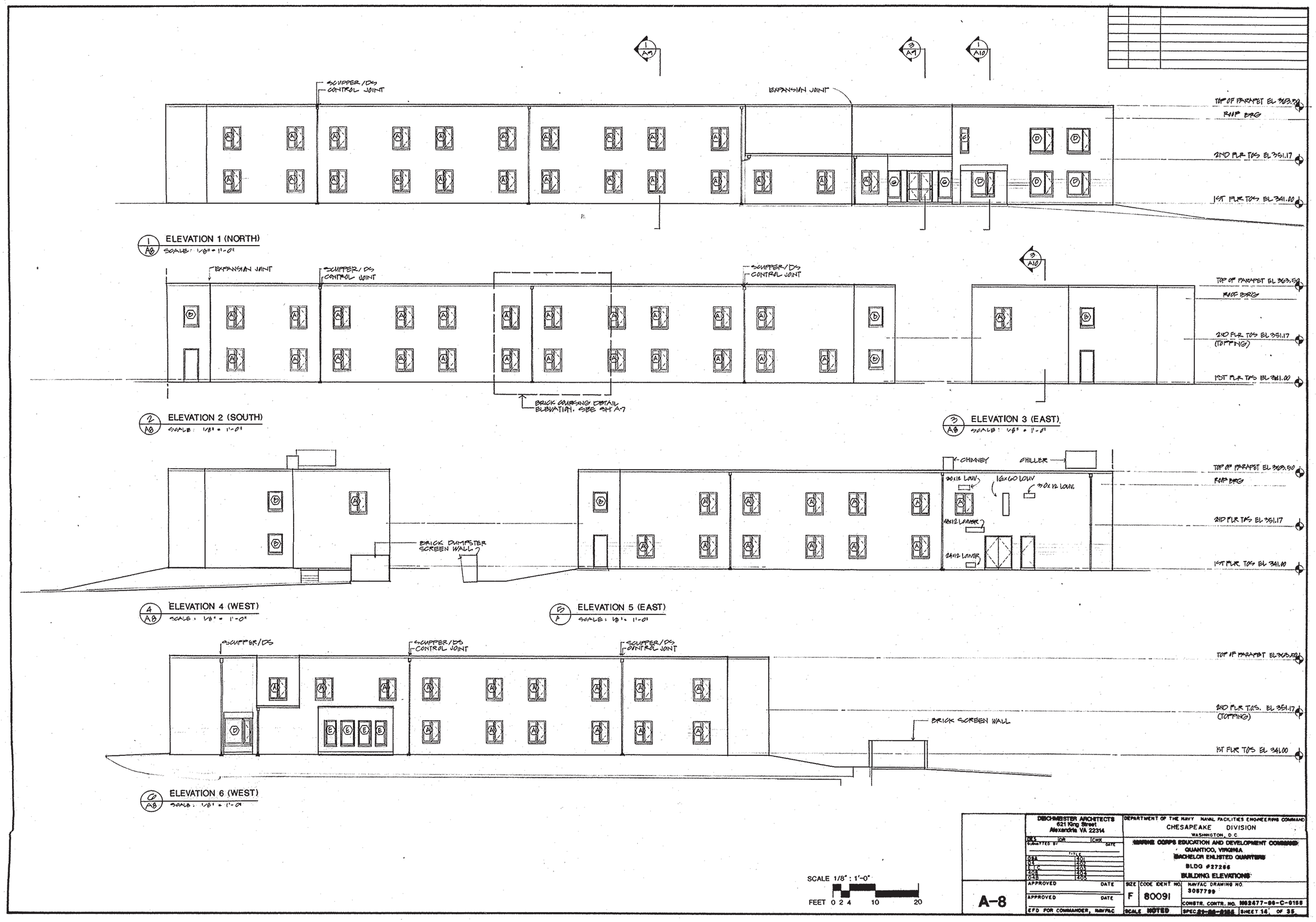
MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS
BLDG #27266
REFLECTED CEILING PLANS

DES	DR	CHK
SUBMITTED BY		DATE

TITLE	
09A	401
04	402
E.I.C.	403
40B	404
04B	405

APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

SIZE F | CODE IDENT. NO. 80091 | NAVFAC DRAWING NO. 3057798
CONSTR. CONTR. NO. N62477-88-C-0165
SCALE NOTED | SPEC. 21-88-0166 | SHEET 18 OF 35



DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DES | DR | CHK
SUBMITTED BY | DATE

TITLE	
09A	401
04	402
E.I.C.	403
40B	404
04B	405

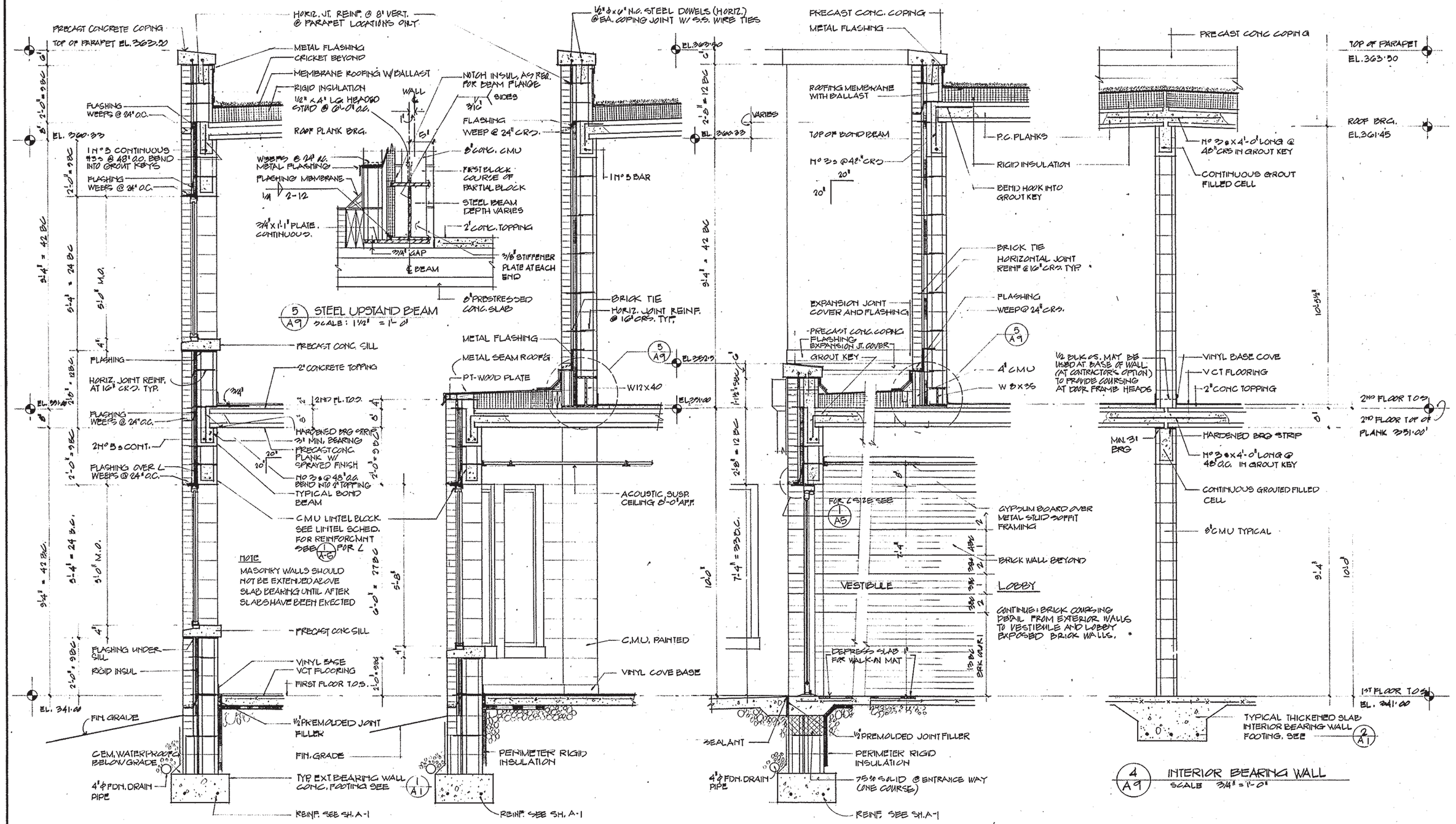
APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS
BLDG #27266
BUILDING ELEVATIONS

SIZE F | CODE IDENT NO. 80091 | NAVFAC DRAWING NO. 3057799
CONSTR. CONTR. NO. N62477-86-C-0155
SCALE NOTED | SPEC. [illegible] | SHEET 14 OF 35

A-8



5/A9 STEEL UPSTAND BEAM
SCALE: 1 1/2" = 1'-0"

4/A9 INTERIOR BEARING WALL
SCALE 3/4" = 1'-0"

1/A9 EXTERNAL BEARING WALL
SCALE: 3/4" = 1'-0"

2/A9 WALL AT BAY WINDOW
SCALE: 3/4" = 1'-0"

3/A9 WALL AT ENTRY
SCALE: 3/4" = 1'-0"

SCALE 1-1/2" : 1'-0"
FEET 0 .25 .5 1 2

SCALE 3/4" : 1'-0"
FEET 0 .5 1 2 3 5

DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DRN	IDR	CHK	DATE
CONCEPTS BY			

TITLE	
DBA	401
DA	402
E.C.	403
208	404
048	405

APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

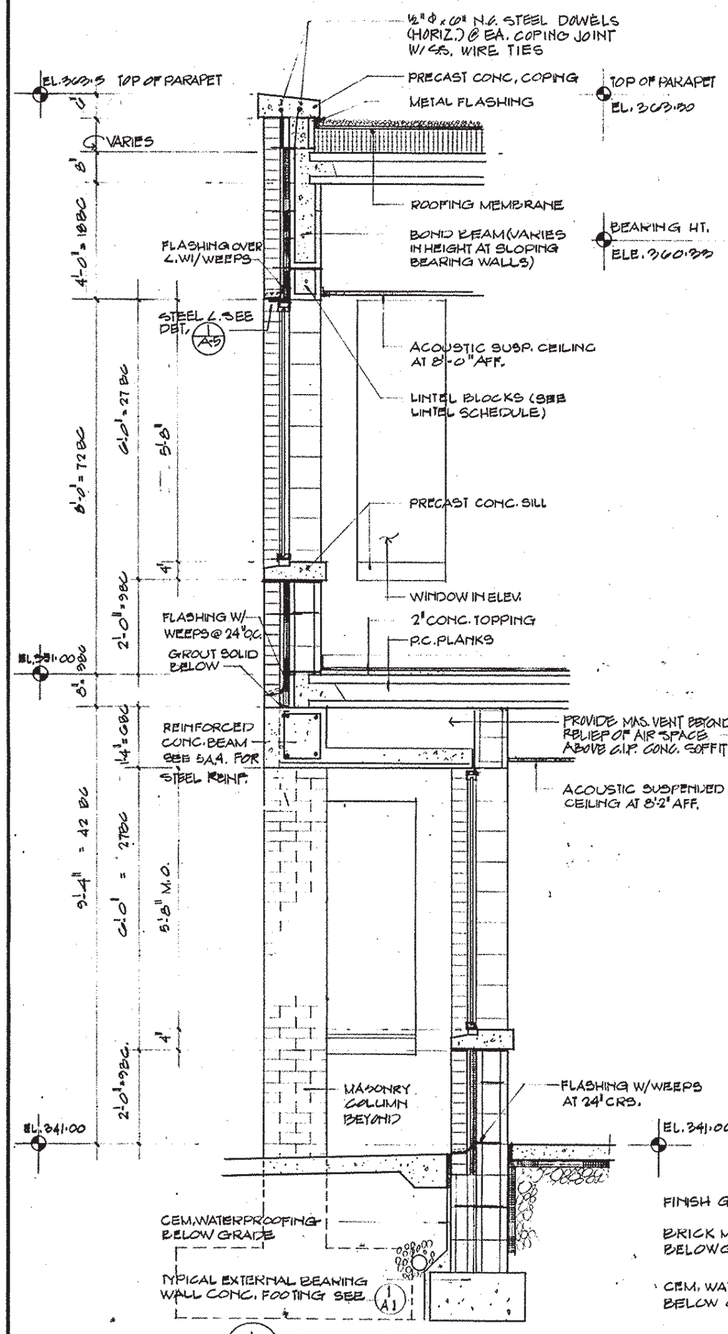
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS
BLDG #27266
WALL SECTIONS

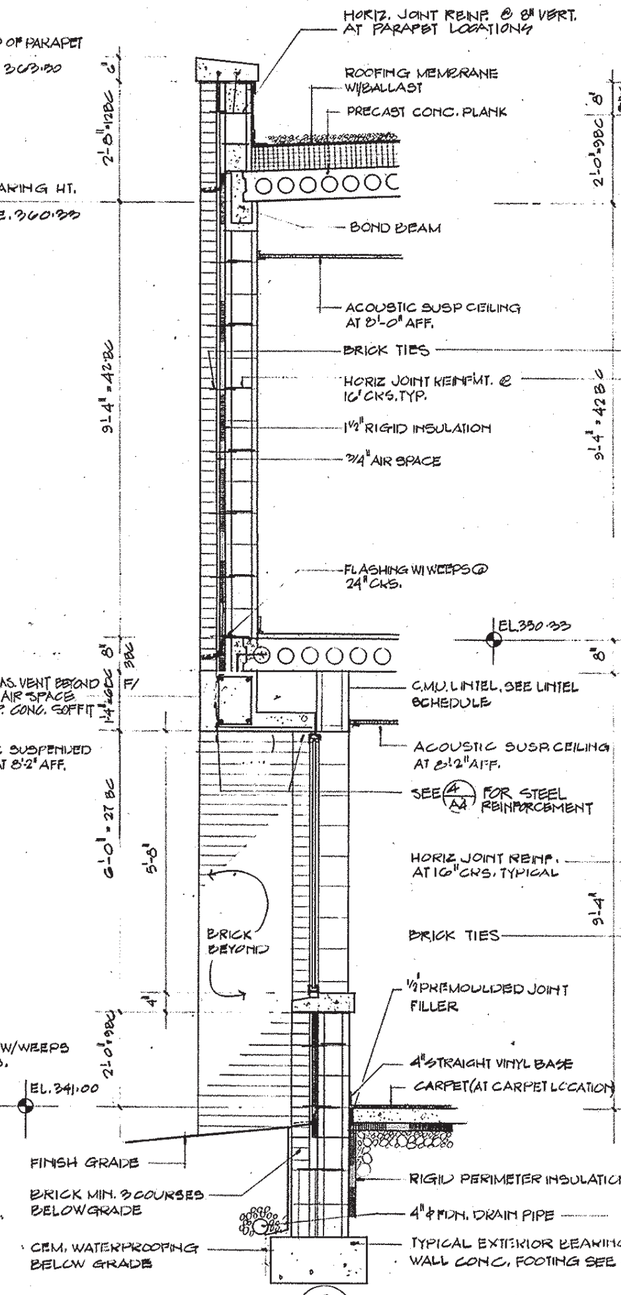
SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F	80091	3087800

CONSTR. CONTR. NO. N62477-86-C-0155
SCALE NOTED
SPEC. 21-86-0000 SHEET 16 OF 36

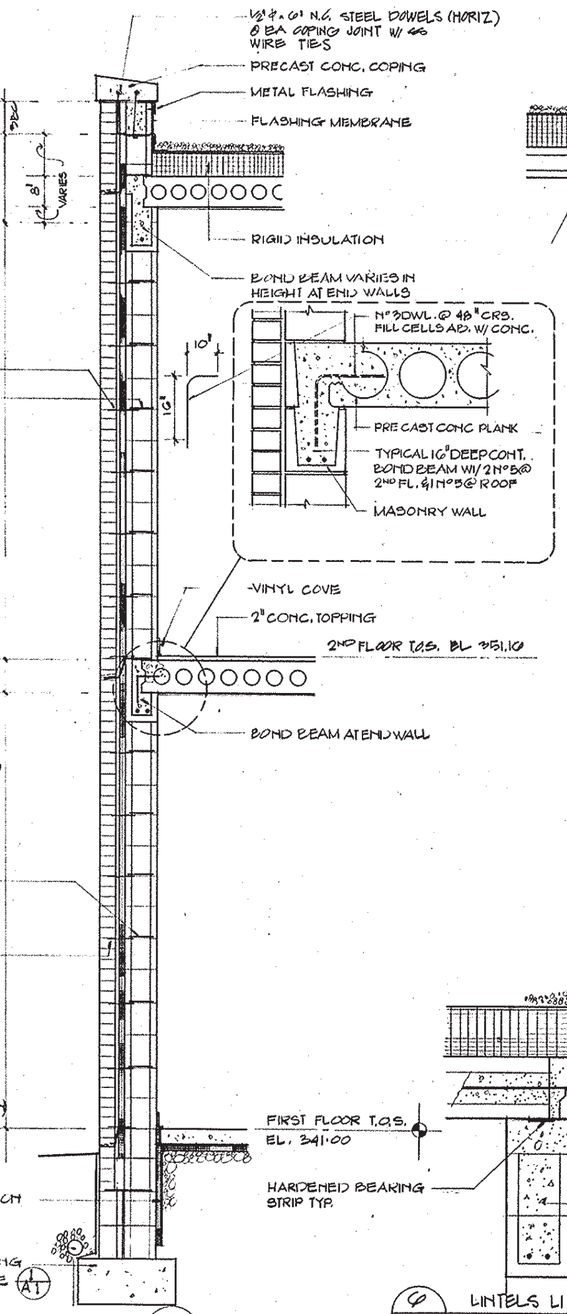
A-9



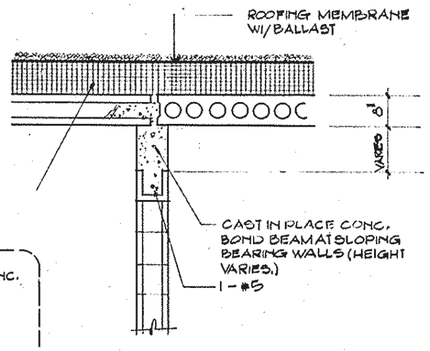
1. A10 WALL SECTION
SCALE: 3/4" = 1'-0"



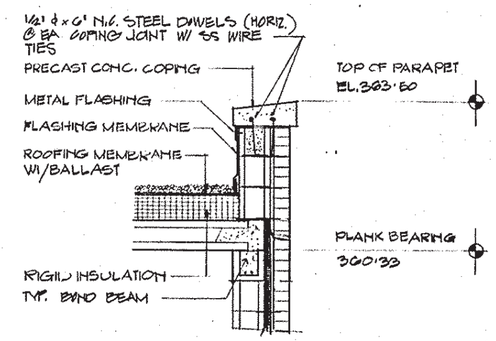
2. A10 WALL SECTION
SCALE: 3/4" = 1'-0"



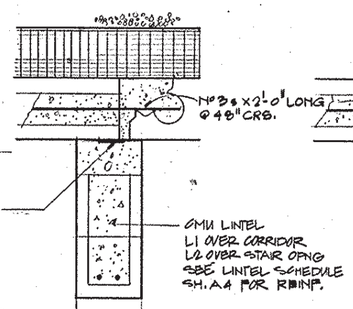
3. A10 WALL SECTION
SCALE: 3/4" = 1'-0"



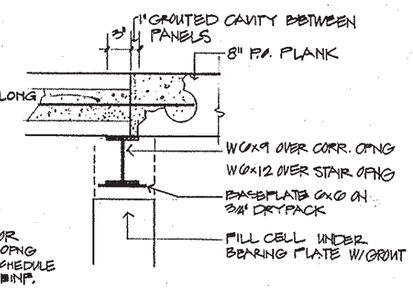
4 A-10 INTERIOR BEARING WALL @ ROOF
SCALE 3/4" = 1'-0"



5 A10 PARAPET @ REAR WALL
SCALE: 3/4" = 1'-0"



6 A10 LINTELS L1/L2 @ ROOF DRG.
SCALE: 1½" = 1'-0"



7 A10 STEEL BEAM @ CORR 114
SCALE: 1½" = 1'-0"

SCALE 1-1/2" : 1'-0"
FEET 0 .25 .5 1 2

SCALE 3/4" : 1'-0"
FEET 0 .5 1 2 3 5

DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DES	DR	CHK
SUBMITTED BY		DATE

TITLE	
OSA	401
OS	402
F.C	403
403	404
404	405
405	406

APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

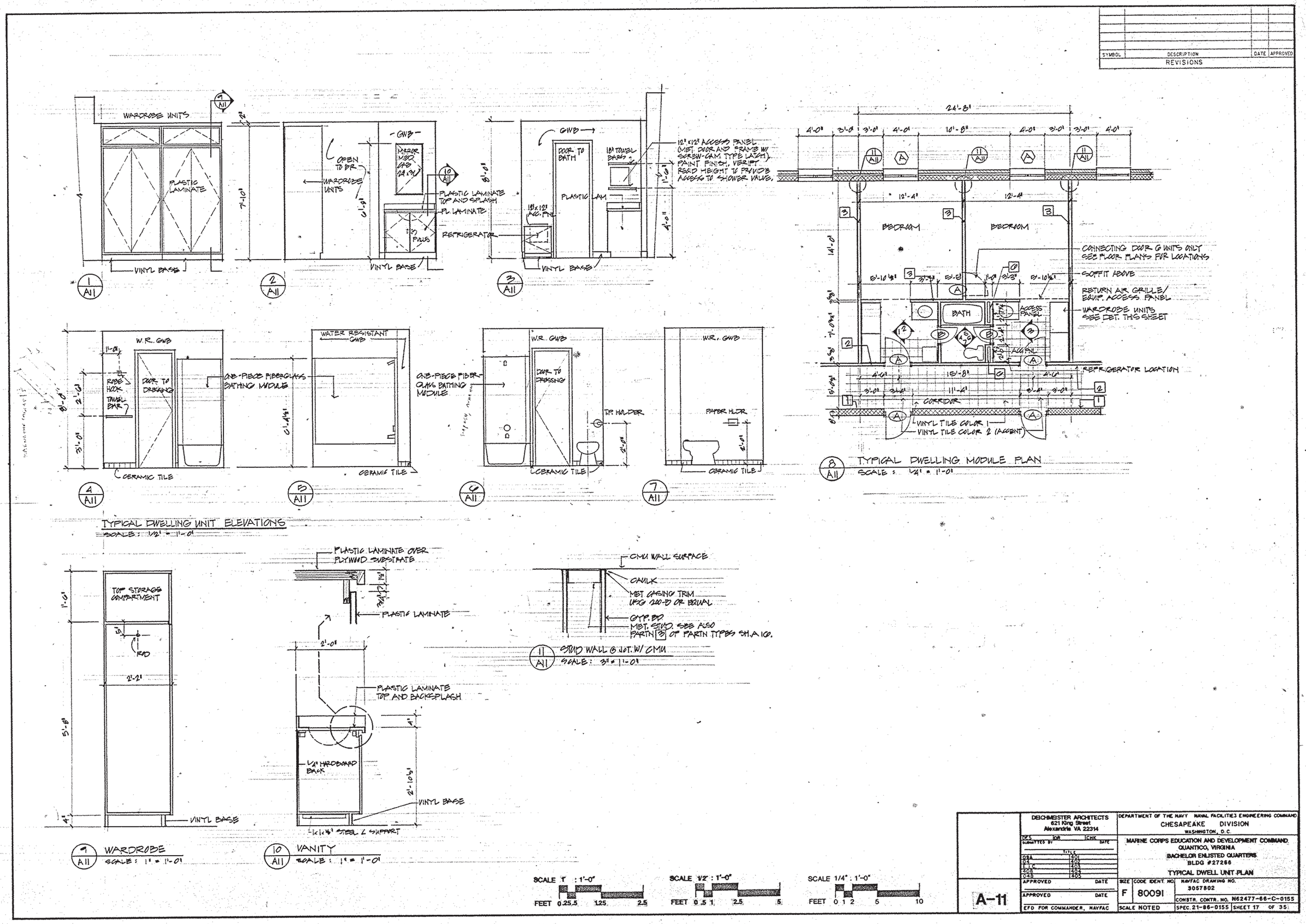
A-10

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

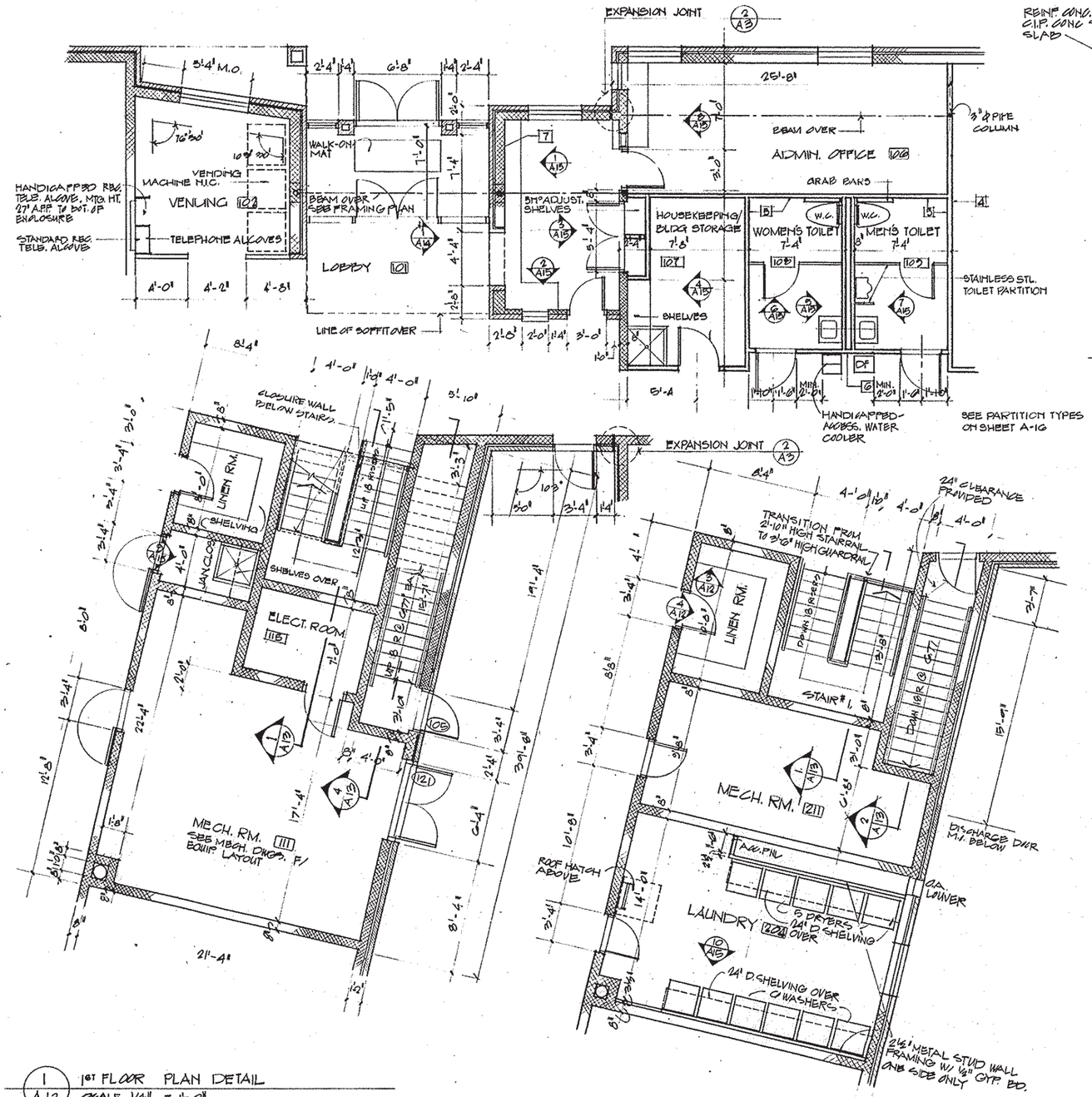
MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS
BLDG #27266
WALL SECTIONS

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F	80091	3057801

CONSTR. CONTR. NO. N62477-86-C-0156
SCALE NOTED SPEC 21-86-0156 SHEET 28 OF 35

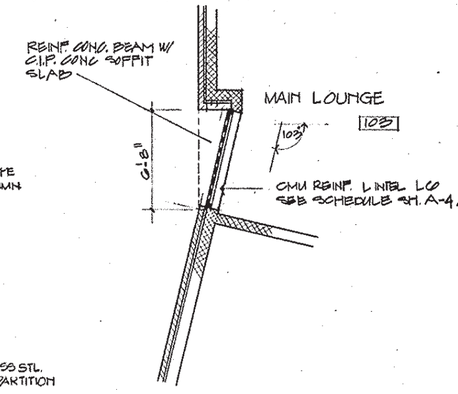


SYMBOL
DESCRIPTION
DATE
APPROVED
REVISIONS
WARDROBE UNITS
PLASTIC LAMINATE
VINYL BASE
OPEN TO BR
WARDROBE UNITS
GWB
MIRROR MED CAB 24x36
PLASTIC LAMINATE TOP AND SPLASH
PL LAMINATE
REFRIGERATOR
DOOR TO BATH
PLASTIC LAM
18" TOWEL BARS
12"x12" ACCESS PANEL (MET. DOOR AND FRAME W/ SCREW-CAM TYPE LATCH). PAINT FINISH, VERIFY REQD HEIGHT TO PROVIDE ACCESS TO SHOWER VALVE.
W.R. GWB
ROBE HOOK
TOWEL BAR
DOOR TO DRESSING
ONE-PIECE FIBERGLASS BATHING MODULE
WATER RESISTANT GWB
CERAMIC TILE
T.P. HOLDER
PAPER HLDR
24'-8"
BEDROOM
BEDROOM
CONNECTING DOOR 6 UNITS ONLY SEE FLOOR PLANS FOR LOCATIONS
SOFFIT ABOVE
RETURN AIR GRILLE/ EQUIP. ACCESS PANEL
WARDROBE UNITS SEE DET. THIS SHEET
BATH
ACCESS PANEL
ACC. PNL
REFRIGERATOR LOCATION
CORRIDOR
VINYL TILE COLOR 1
VINYL TILE COLOR 2 (ACCENT)
TYPICAL DWELLING MODULE PLAN
SCALE: 1/4" = 1'-0"
TYPICAL DWELLING UNIT ELEVATIONS
SCALE: 1/2" = 1'-0"
TOP STORAGE COMPARTMENT
ROD
VINYL BASE
WARDROBE
SCALE: 1" = 1'-0"
PLASTIC LAMINATE OVER PLYWOOD SUBSTRATE
PLASTIC LAMINATE
PLASTIC LAMINATE TOP AND BACKSPLASH
1/4" HARDBOARD BACK
VINYL BASE
1x1x1/8" STEEL ∠ SUPPORT
VANITY
SCALE: 1" = 1'-0"
CMU WALL SURFACE
CAULK
MET CASING TRIM USG 200-B OR EQUAL
GYP. BD
MET. STUD. SEE ALSO PARTN 3 OF PARTN TYPES SH. A 16.
STUD WALL @ JOT. W/ CMU
SCALE: 3" = 1'-0"
SCALE 1" : 1'-0"
FEET 0.25 .5 1.25 2.5
SCALE 1/2" : 1'-0"
FEET 0 .5 1 2.5 5
SCALE 1/4" : 1'-0"
FEET 0 1 2 5 10
DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.
MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS
BLDG #27266
TYPICAL DWELL UNIT PLAN
A-11
APPROVED
DATE
EFD FOR COMMANDER, NAVFAC
SIZE F
CODE IDENT. NO. 80091
NAVFAC DRAWING NO. 3057802
CONSTR. CONTR. NO. N62477-66-C-0155
SCALE NOTED
SPEC. 21-86-0155
SHEET 17 OF 35

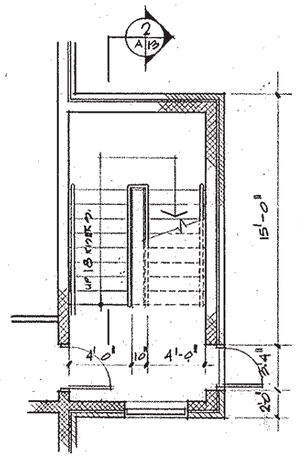


1 / A12 1ST FLOOR PLAN DETAIL
SCALE 1/4" = 1'-0"

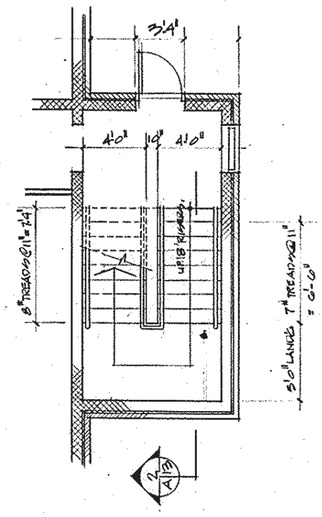
2 / A12 2ND FLOOR PLAN DETAIL
SCALE 1/4" = 1'-0"



3 / A12 PLAN DETAIL
SCALE: 1/4" = 1'-0"



4 / A12 STAIR # 4
SCALE 1/4" = 1'-0"

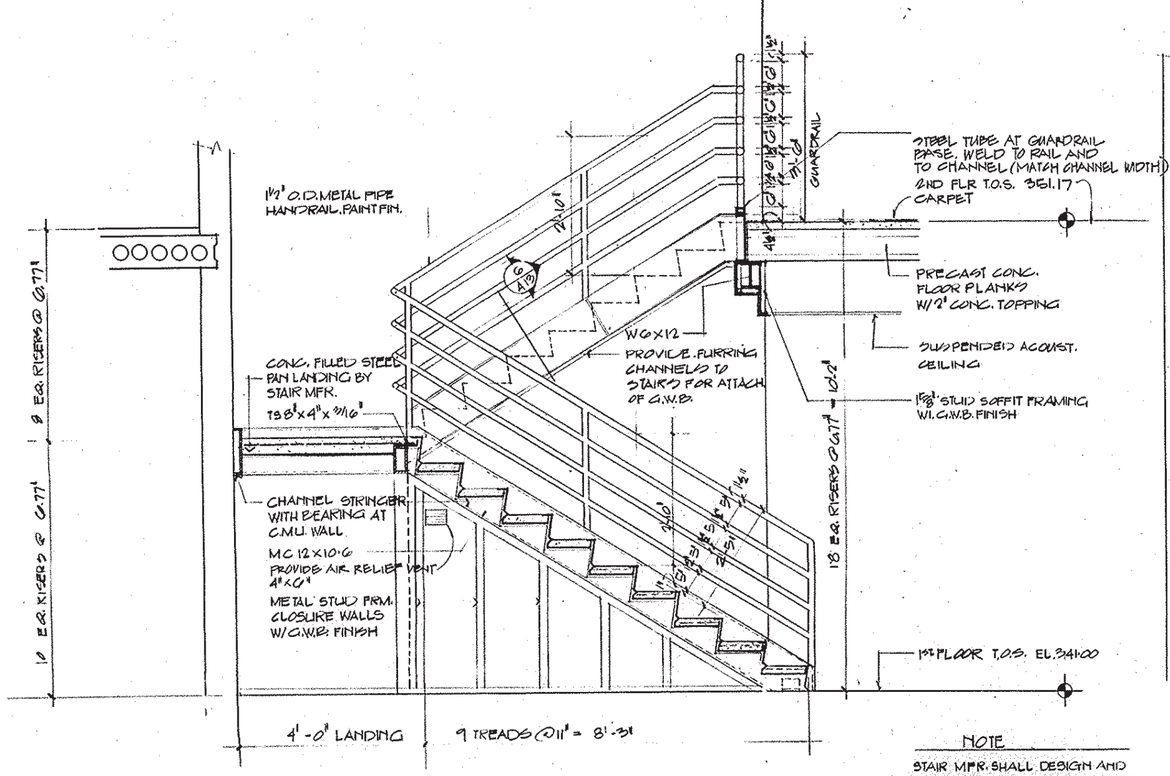


5 / A12 STAIR # 3
SCALE 1/4" = 1'-0"

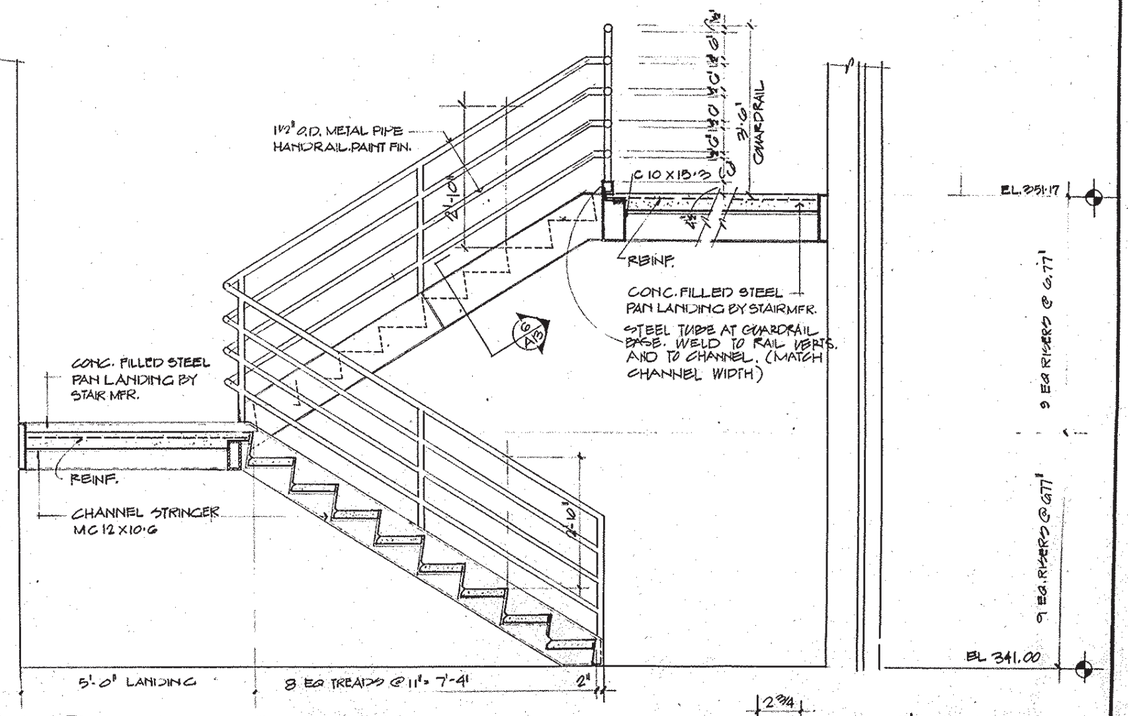
SCALE 1/4" : 1'-0"
FEET 0 1 2 5 10

DEICHMEISTER ARCHITECTS 621 King Street Alexandria VA 22314	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D C	
DES DR CHK SUBMITTED BY DATE TITLE 09A 401 04 402 L.I.C. 403 408 404 04B 405	MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND QUANTICO, VIRGINIA BACHELOR ENLISTED QUARTERS BLDG #27265 DETAIL PLANS	
APPROVED DATE APPROVED DATE EFD FOR COMMANDER, NAVFAC	SIZE F CODE IDENT. NO. 80091 SCALE NOTED	NAVFAC DRAWING NO. 3057803 CONSTR. CONTR. NO. N65477-55-C-0155 SPEC 21-00-0155 SHEET 18 OF 35

A-12



1 / A13 SECTION AT STAIR # 1
SCALE: 3/4" = 1'-0"

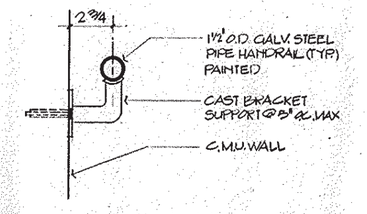


2 / A13 SECTION AT STAIR #3 (STAIR #4 SIMILAR)
SCALE: 3/4" = 1'-0"

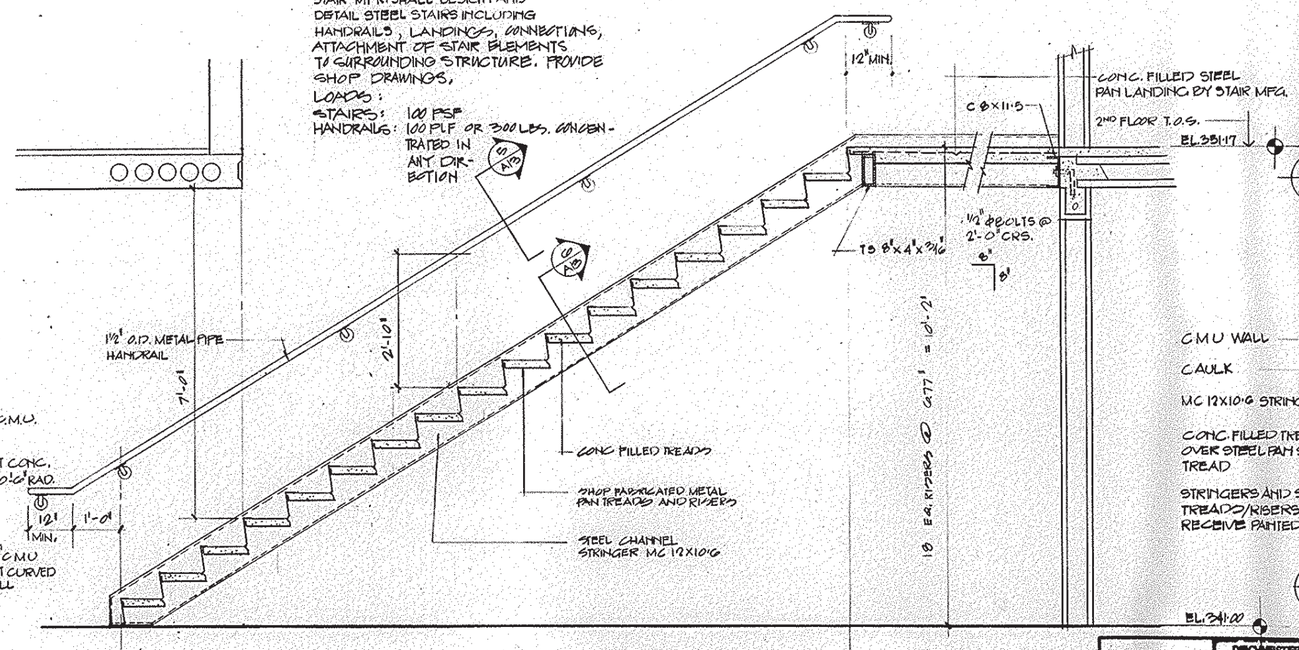
NOTE

STAIR MFR. SHALL DESIGN AND DETAIL STEEL STAIRS INCLUDING HANDRAILS, LANDINGS, CONNECTIONS, ATTACHMENT OF STAIR ELEMENTS TO SURROUNDING STRUCTURE. PROVIDE SHOP DRAWINGS.

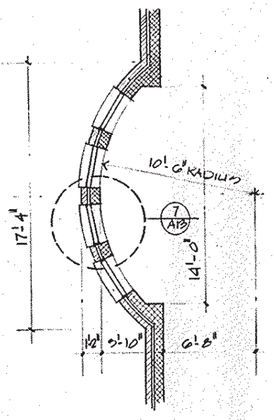
LOADS:
STAIRS: 100 PSF
HANDRAILS: 100 PLF OR 300 LBS. CONCENTRATED IN ANY DIRECTION



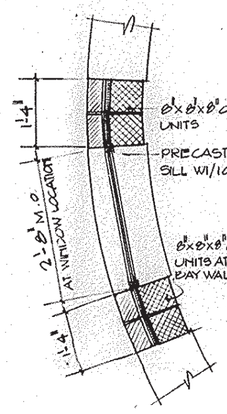
5 / A13 HANDRAIL
SCALE: 3" = 1'-0"



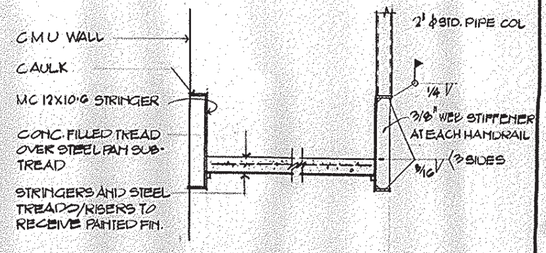
4 / A13 SECTION AT STAIR # 2
SCALE: 3/4" = 1'-0"



3 / A13 BAY WINDOW
SCALE 1/4" = 1'-0"



7 / A13 WINDOW DETAIL
SCALE: 1½" = 1'-0"



6 / A13 STRINGER
SCALE: 1½" = 1'-0"

SCALE 3" : 1'-0"
INCHES 0 1 3 6 12

SCALE 3/4" : 1'-0"
FEET 0 .5 1 2 3 5

SCALE 1-1/2" : 1'-0"
FEET 0 .25 .5 1 2

SCALE 1/4" : 1'-0"
FEET 0 1 2 5 10

DISCHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

SUBMITTED BY	DR	CHK	DATE

TITLE	
OBA	1401
04	402
04C	403
04D	404
04B	405

APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

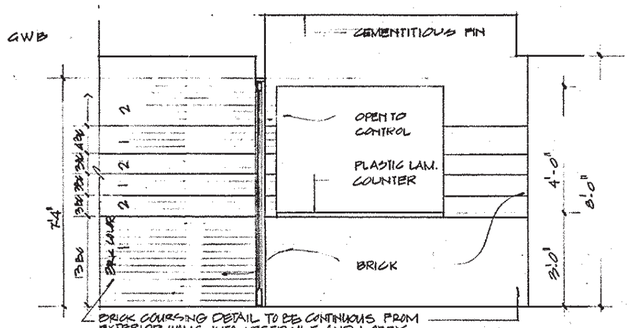
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS
BLDG #27266
STAIR SECTIONS

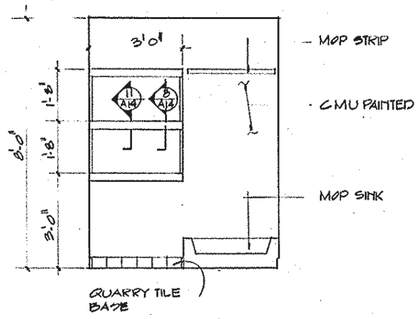
SIZE	CODE IDENT. NO	NAVFAC DRAWING NO.
F	80091	3057804

CONSTR. CONTR. NO. N62477-86-C-0195
SCALE NOTED
SPEC. 21-86-0195 SHEET NO. OF: 38

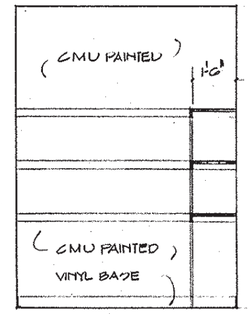
A-13



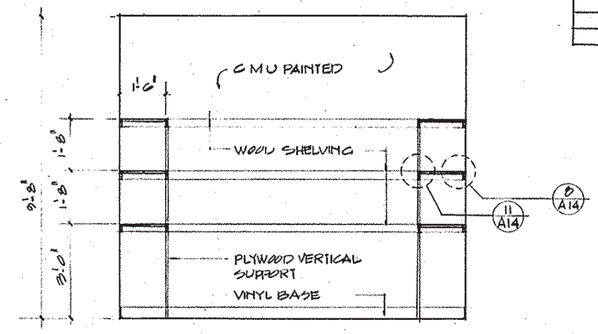
1 / A14 LOBBY [201]
SCALE 1/2" = 1'-0"



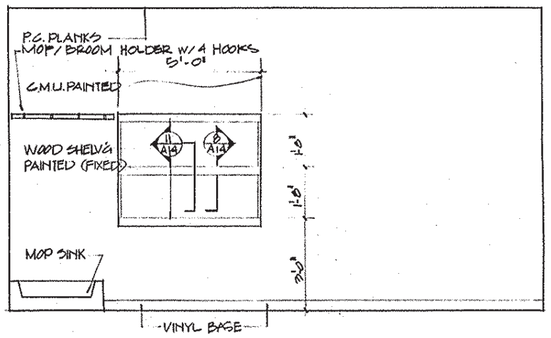
2 / A14 JANITOR'S CLOSET [205]
SCALE 1/2" = 1'-0"



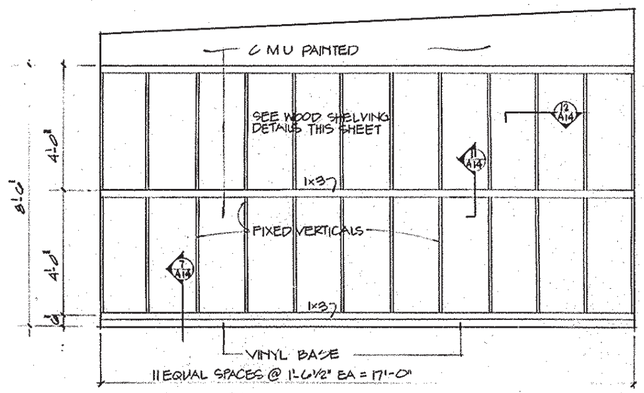
3 / A14 LINEN STORAGE [206]
(OPPOSITE WALL SIMILAR REVERSE)
SCALE 1/2" = 1'-0"



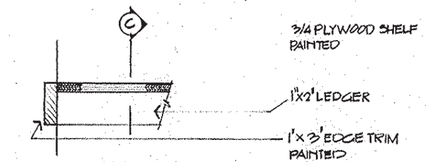
4 / A14 LINEN STORAGE [206]
SCALE 1/2" = 1'-0"



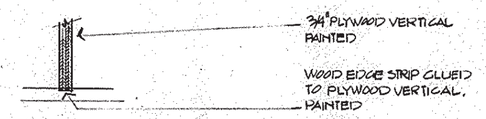
5 / A14 HOUSEKEEPING / BUILDING STORAGE [207]
SCALE 1/2" = 1'-0"



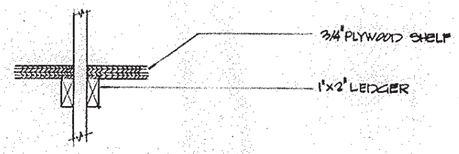
6 / A14 BAG STORAGE [208] (OPPOSITE WALL = SIMILAR REVERSE)
SCALE 1/2" = 1'-0"



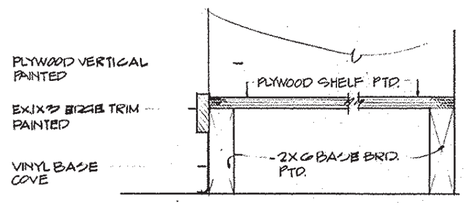
11 / A14 EDGE TRIM DTL
SCALE 3" = 1'-0"



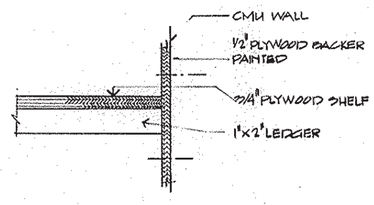
12 / A14 EDGE STRIP PLAN DETAIL
SCALE 3" = 1'-0"



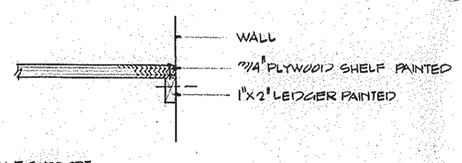
13 / A14 SHELF SUPPORT
SCALE: 3"=1'-0"



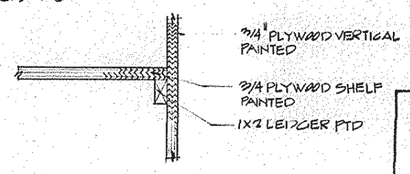
7 / A14 BASE BOARD DTL.
SCALE 3" = 1'-0"



8 / A14 SHELF @ BACKER
SCALE: 3"=1'-0"



9 / A14 SHELF SUPPORT
SCALE: 3"=1'-0"



10 / A14 SHELF SUPPORT
SCALE: 3"=1'-0"

SCALE 1/2" : 1'-0"
FEET 0 .5 1 2.5 5

SCALE 3" : 1'-0"
INCHES 0 1 3 6 12

A-14

DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

NAME	DR	CHK
SUBMITTED BY		DATE

TITLE	
OBA	401
OA	402
E.P.C.	403
40B	404
OAB	405

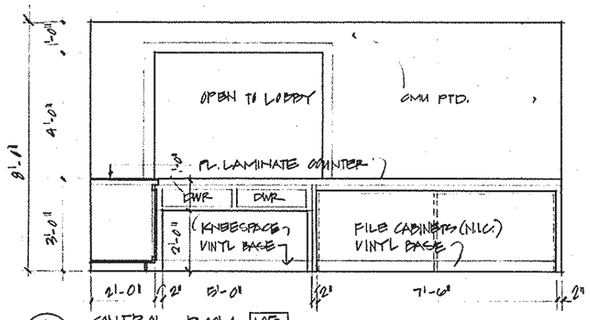
APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

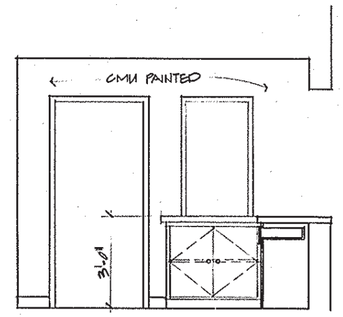
MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS
BLDG #27266
INTERIOR ELEVATIONS

SIZE	CODE IDENT. NO	NAVFAC DRAWING NO.
F	80091	3067606

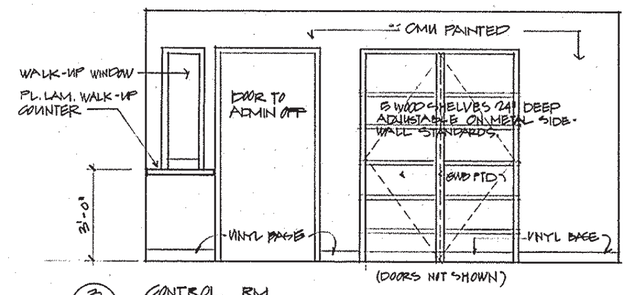
SCALE NOTED
CONSTR. CONTR. NO. N62477-86-C-0166
SPEC. 21-86-0166 SHEET 26 OF 35



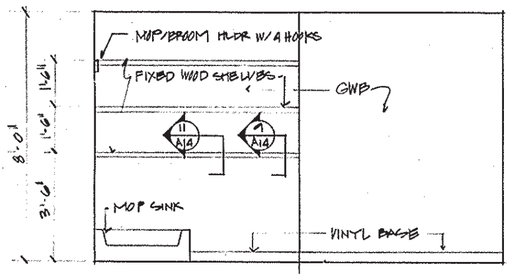
1 / A15 CONTROL ROOM 105
SCALE: 1/2" = 1'-0"



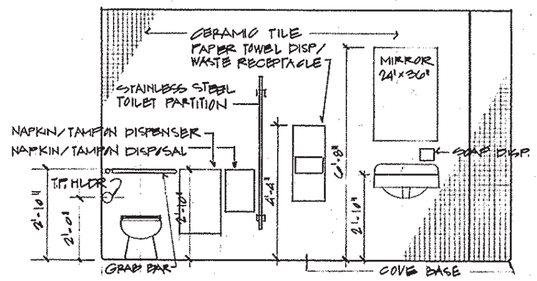
2 / A15 CONTROL ROOM
SCALE: 1/2" = 1'-0"



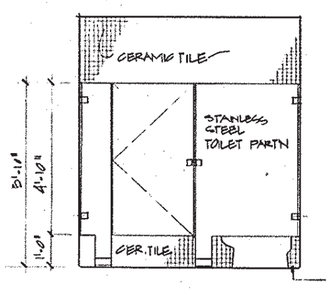
3 / A15 CONTROL RM
SCALE: 1/2" = 1'-0"



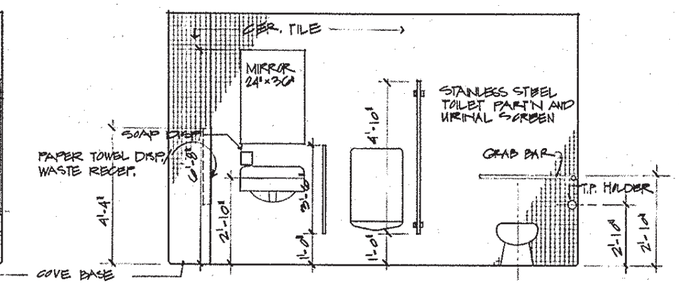
4 / A15 HOUSEKEEPING / BLDG STORAGE 107
SCALE: 1/2" = 1'-0"



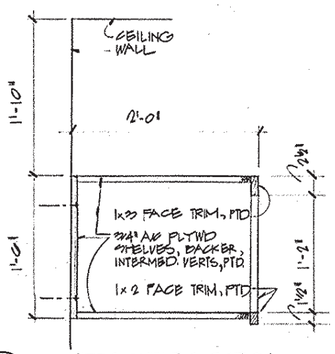
5 / A15 WOMEN'S ROOM 108
SCALE: 1/2" = 1'-0"



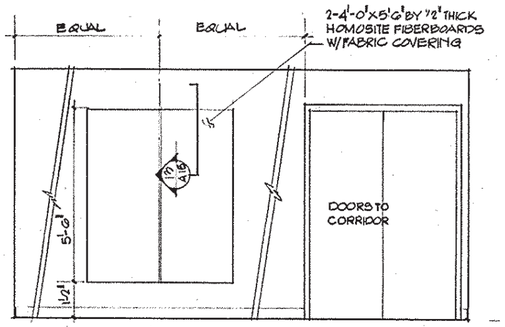
6 / A15 WOMEN'S ROOM
SCALE: 1/2" = 1'-0"



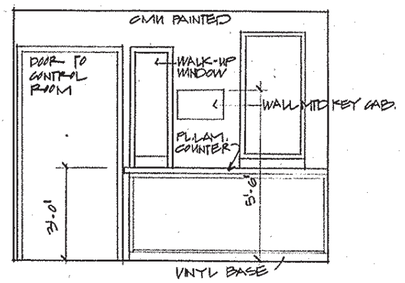
7 / A15 MEN'S ROOM 109
SCALE: 1/2" = 1'-0"



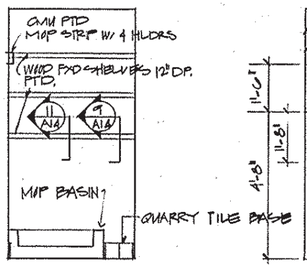
11 / A15 L'DRY SHELF SECTION
SCALE: 1 1/2" = 1'-0"



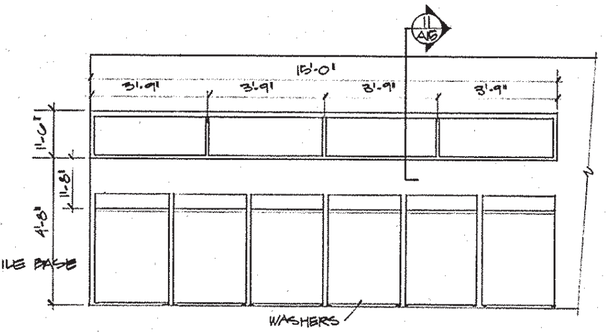
12 / A15 MAIN LOUNGE BULLETIN BOARD
SCALE 1/2" = 1'-0"



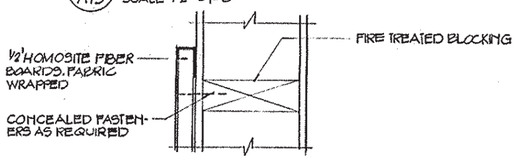
8 / A15 ADMINISTRATIVE OFFICE 105
SCALE: 1/2" = 1'-0"



9 / A15 JANITOR CLOSET 110
SCALE: 1/2" = 1'-0"



10 / A15 LAUNDRY SHELVING
SCALE: 1/2" = 1'-0"



13 / A15 FIXING DETAIL
SCALE: 1/2 FULL SIZE

SCALE 1/2" : 1'-0"
FEET 0 .5 1 5

DESCHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DES	DR	CHK
SUBMITTED BY		DATE
TITLE		
04A	401	
04	402	
04C	403	
04B	404	
04B	405	
APPROVED		DATE
APPROVED		DATE
EFD FOR COMMANDER, NAVFAC		

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

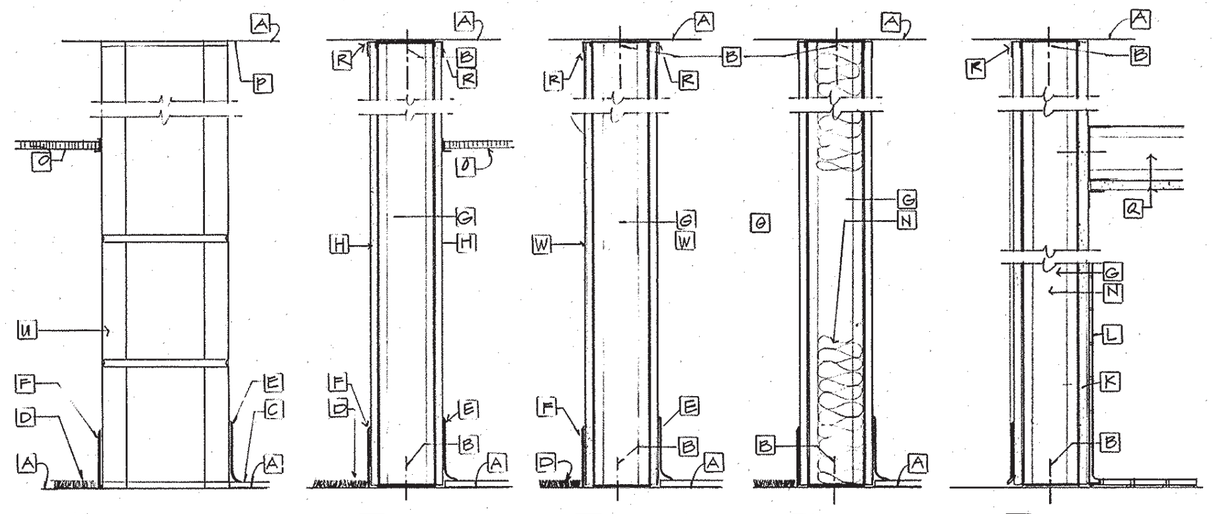
MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS
BLDG #27266
INTERIOR ELEVATIONS

A-15

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F	80091	3067808
SCALE NOTED		CONSTR. CONTR. NO. N62477-86-C-0166
		SPEC 21-86-0166 SHEET 21 OF 38

FINISH SCHEDULE

ROOM NUMBER	ROOM	FLOOR: CERAMIC TILE (1)	FLOOR: CARPET (2)	FLOOR: VCT (3)	FLOOR: EXPOSED CONCRETE (4)	FLOOR: QUARRY TILE (5)	FLOOR: RUBBER TREADS (6)	BASE: VINYL (1)	BASE: CERAMIC TILE (2)	BASE: QUARRY TILE (3)	BASE: NONE (4)	WALLS: CMU - PAINTED (1)	WALLS: BRICK (2)	WALLS: GYP BD - PAINTED (3)	WALLS: WR GYP BD - PAINTED (4)	WALLS: CERAMIC TILE (5)	CEILING MATERIAL: ACOUSTICAL TILE (1)	CEILING MATERIAL: GYP BD - PAINTED (2)	CEILING MATERIAL: WR GYP BD - PAINTED (3)	CEILING MATERIAL: EXP CONC. - PAINTED (4)	CEILING MATERIAL: CEMENTITIOUS FINISH (5)	HT	REMARKS
	TYPICAL UNIT																						
	BEDROOM			3				1				1		3						4		9'-4"(6)	
	BATHROOM	1							2						4				3			8'-0"	EPOXY PAINT
	DRESSING RM			3				1				1		3					3			8'-0"	EPOXY PAINT
	STAIR NO. 1						5	1				1					1						
	STAIR NO. 2						5	1				1								4			
	STAIR NO. 3						5	1				1								4			
	STAIR NO. 4						5	1				1								4			
101	LOBBY			3				1				1	2				1				5	VARIES	
102	TELEPHONE/VENDING			3				1				1		3			1					8'-0"	
103	MAIN LOUNGE		2					1				1		3			1					8'-0"	
104	READING/TV LOUNGE		2					1				1		3			1					8'-0"	
105	CONTROL		2					1				1					1					8'-0"	
106	ADMIN. OFFICES		2					1				1		3			1					8'-0"	
107	HOUSEKEEP/BLDG STOR			3				1				1								4		9'-4"	
108	WOMAN'S TOILET	1							2							5			3			8'-0"	
109	MEN'S TOILET	1							2							5			3			8'-0"	
110	JANITOR'S CLOSET					5				3		1							3			8'-0"	EPOXY PAINT ALL WALLS
111	MECHANICAL ROOM				4						4	1								4		9'-4"	CONC. W/ HARDENER/EPOXY PAINT ALL WALLS
112	LINEN STORAGE			3				1				1								4		9'-4"	
113	CORRIDOR			3				1				1		3			1					8'-0"	
114	CORRIDOR			3				1				1		3			1					8'-0"	
115	ELECT. ROOM				4						4	1								4		9'-4"	CONC W/ HARDENER/EPOXY PAINT ALL WALLS
201	UPPER LOBBY			3				1				1		3			1					8'-0"	
202	TELEPHONE/VENDING			3				1				1		3			1					8'-0"	
203	READING/TV LOUNGE			3				1				1		3			1					8'-0"	
204	LAUNDRY			3				1				1		3					3			8'-0"	EPOXY PAINT ALL WALLS
205	JANITOR'S CLOSET					5				3		1			4				3			8'-0"	EPOXY PAINT ALL WALLS
206	LINEN STORAGE			3				1				1								4		9'-4"(6)	
207	HOUSEKEEP/BLDG STOR			3				1				1		3						4		9'-4"(6)	
208	BAG STORAGE			3				1				1		3						4		9'-4"(6)	
209	MECHANICAL ROOM				4						4	1								4		9'-4"(6)	CONC W/ HARDENER/EPOXY PAINT ALL WALLS
210	STORAGE ROOM			3				1				1		3				2				8'-0"	
211	CORRIDOR			3				1				1		3			1					8'-0"	
212	CORRIDOR			3				1				1		3			1					8'-0"	



1 8" CMU WALL
FIRE RATING: 2 HRS.
ACOUST. PERF: 48 STC

2 FIRE RATING: 1HR.
(FIRE TEST T-3362-OSU)
ACOUST PERFORMANCE: 48 STC
(TEST TL-65-158)

3 ACOUST. PERF.: 48 STC

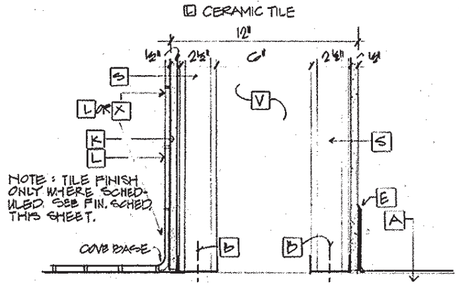
4 ACOUST. PERF: 50 STC

5 ACOUST. PERF: 52 STC

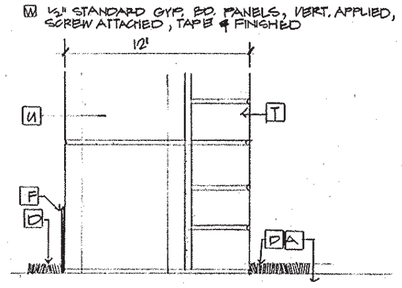
PARTITION TYPES

SCALE: 3" = 1'-0"

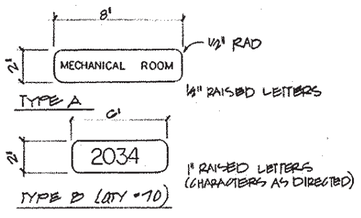
- A CONC SLAB OR PRECAST CONC PLANK
- B MECHANICAL FASTENER @ 24" O.C.
- C VINYL COMPOSITION TILES, MAST.C ATTACHMENT
- D CARPET (SEE SCHEDULE FOR LOCATION)
- E 4" VINYL COVE BASE
- F 4" VINYL STRAIGHT BASE
- G 3⅝" METAL STUDS @ 24" O.C.
- H ½" FIRECODE 'C' GYPSUM BOARD PANELS, APPLIED VERT AND SCREW ATTACHED
- J 5/8" FIRECODE GYPSUM BOARD PANELS, APPLIED VERT & SCREW ATTACHED
- K ½" MOISTURE RESISTANT TILE BACKER GYPSUM BOARD PANELS
- L CERAMIC TILE
- M 2" SOUND ATTENUATION BLANKETS
- N 3" SOUND ATTENUATION BLANKETS
- O 2x4 OR 2x5 SUSP. ACOUSTICAL CEILING
- P SPRAYED FINISH ON PRECAST CONC. FLOOR OR ROOF PLANKS
- Q ½" GYPSUM WALLBOARD CEILING, SCREW ATTACHED TO METAL STUD SOFFIT SYSTEM
- R 200-B METAL CASING TRIM
- S 2½" METAL STUDS @ 24" O.C.
- T EXPOSED BRICK FINISH
- U 8" CMU WALL, PAINTED
- V 1" PLUMBING PIPE CHASE
- W ½" STANDARD GYP. BD. PANELS, VERT. APPLIED, SCREW ATTACHED, TAPE & FINISHED
- X CERAMIC TILE BASE



6 CHASE WALL
ACOUST. PERF: 48 STC



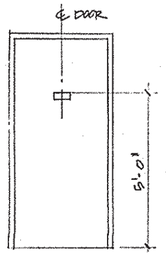
7 CMU / EXPOSED BRICK



1 / A16 SIGNAGE DETAILS
SCALE: 3" = 1'-0"

TYPE A SIGNS/QUANTITIES:

OFFICE	
HOUSEKEEPING	(2)
MEN	
WOMEN	
MECHANICAL	(2)
LINEN	(2)
LOUNGE	(3)
MAIN LOUNGE	
LAUNDRY	
JANITOR	(2)
BAG STORAGE	
STORAGE	



TYP. SIGN PLACEMENT
(UNLESS OTHERWISE NOTED)
SCALE: ½" = 1'-0"

SCALE 3" : 1'-0"
INCHES 0 1 3 6 12

DECHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS
BLDG #27266
FINISH SCHEDULE

DES.	DR.	CHK.
SUBMITTED BY		DATE
	TITLE	
03A	1401	
04	1402	
E.I.C.	1403	
03B	1404	
04B	1405	

APPROVED DATE
APPROVED DATE
CFD FOR COMMANDER, NAVFAC

A-16

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F	80091	3067607

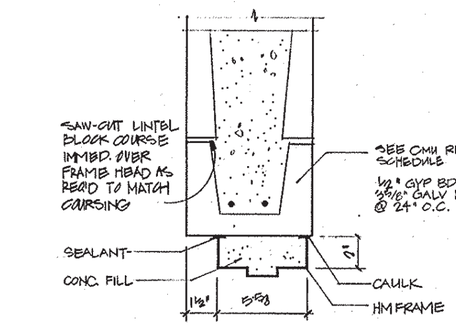
CONSTR. CONTR. NO. N62477-88-C-0155
SCALE NOTED
SPEC 21-88-0155 SHEET 22 OF 36

DOOR SCHEDULE

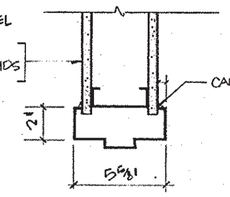
MARK	ROOM	DOOR SIZE	DOOR TYPE	DOOR LABEL	HDWE	FRAME HEAD	FRAME JAMB	FRAME THRESH	REMARKS
101	MAIN LOUNGE	PR. 3'-0" x 6'-8"	D		8	H-1	J-1	T-3	
102	READING/TV LOUNGE	3'-0" x 6'-8"	A		8S	H-1	J-1	T-3	
103	" " "	3'-0" x 6'-8"	A		8S	H-1	J-1	T-3	
104	MECHANICAL ROOM	3'-0" x 6'-8"	B	B	2	H-2	J-2	-	
105	STAIR #2	3'-0" x 7'-0"	B	B	1	H-3	J-3	T-2	
106	JANITOR CLOS	3'-0" x 6'-8"	A	C	2	H-2	J-2	T-1	
107	LINEN STORAGE	3'-0" x 6'-8"	A	C	2	H-2	J-2	-	
108	CONTROL ROOM	2'-8" x 6'-8"	A		7	H-2	J-2	T-3	
109	ADMIN. OFF.	2'-8" x 6'-8"	A		7	H-2	J-2		
110	HOUSEKEEP/BLDG STR.	3'-0" x 6'-8"	A	C	2	H-1	J-1	-	
111	WOMEN TOILET	3'-0" x 6'-8"	A		3	H-1	J-1	T-1	
112	MENS TOILET	3'-0" x 6'-8"	A		3	H-1	J-1	T-1	
113	CORRIDOR	PR. 2'-4" x 6'-8"	E	B	9	H-1	J-1		SMOKE DOORS
114	LOBBY	3'-0" x 7'-0"	B	B	1	H-3	J-3	T-2	
115	STAIR #3	3'-0" x 6'-8"	C	B	4	H-2	J-2	-	
116	STAIR #3	3'-0" x 7'-0"	B	B	1	H-3	J-3	T-2	
117	STAIR #4	3'-0" x 6'-8"	C	B	4	H-2	J-2	-	
118	STAIR #4	3'-0" x 7'-0"	B	B	1	H-3	J-3	T-2	
119	CONTROL ROOM	PR. 2'-4" x 6'-8"	D		10	H-2	J-2	-	
120	ELEC. ROOM	3'-0" x 6'-8"	B	B	2	H-2	J-2	-	
201	READING/TV LOUNGE	PR. 3'-0" x 6'-8"	D		8	H-1	J-1	T-3	
202	LAUNDRY	3'-0" x 6'-8"	A	C	8S	H-2	J-2	-	
203	MECH. RM.	3'-0" x 6'-8"	B	B	2	H-2	J-2	-	
204	LINEN STORAGE	3'-0" x 6'-8"	A	C	2	H-2	J-2	-	
205	STORAGE RM.	3'-0" x 6'-8"	A	C	2	H-1	J-1	-	
206	JANITOR CLOSET	3'-0" x 6'-8"	A	C	2	H-1	J-1	T-1	
207	HOUSEKEEP/BLDG STR.	3'-0" x 6'-8"	A	C	2	H-1	J-1	-	
208	BAG STORAGE	3'-0" x 6'-8"	A	C	2	H-1	J-1	-	
209	CORRIDOR	PR. 2'-4" x 6'-8"	E	B	9	H-1	J-1		SMOKED DOORS
210	STAIR #3	3'-0" x 6'-8"	C	B	4	H-2	J-2	-	
211	STAIR #4	3'-0" x 6'-8"	C	B	4	H-2	J-2	-	
212	STAIR #2	3'-0" x 6'-8"	C	B	4	H-2	J-2	-	
A	TYPICAL BEDROOM	3'-0" x 6'-8"	A	B	6	H-1/H-2	J-1/J-2	-	
B	TYPICAL TOILET	2'-0" x 6'-8"	A		5	H-1	J-1	T-1	
121	MECHANICAL ROOM (EXT.)	PR 3'-0" x 7'-0"	B	B	2P	H-3	J-3	T-2	
122	VESTIBULE ENTRANCE	PR. 3'-0" x 7'-0"							ALUM. STOREFRONT, SEE MFR.
123	VESTIBULE ENTRANCE	PR. 3'-0" x 7'-0"							SUBMITTAL F/ FRAME DETAILS.

WINDOW SCHEDULE

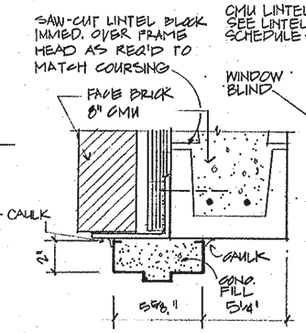
MARK	ROOM	SIZE (M.O.)	TYPE	HDWE	HEAD	JAMB	THRESH	REMARKS
			ALUM CLR MT TYP.					
A	TYP. BEDROOM	4'-0" x 5'-0"	FXD/OPBR					HORIZ. VENETIAN BLINDS
B	STAIR	3'-4" x 4'-4"	FXD					
C	LOUNGE	2'-0" x 5'-8"	FXD					HORIZ. VENETIAN BLINDS
D	LOUNGE	5'-4" x 5'-8"	FXD/OPBR					" " "
E	LOUNGE	2'-8" x 5'-8"	FXD					" " "
F	ADMIN OFF	2'-0" x 4'-0"	FXD					" " "
G	LOBBY ENTRANCE	2'-4" x 6'-4"	FXD					



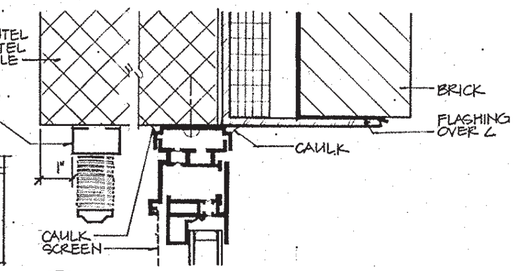
H-2 / A17 HEAD
SCALE: 3" = 1'-0"



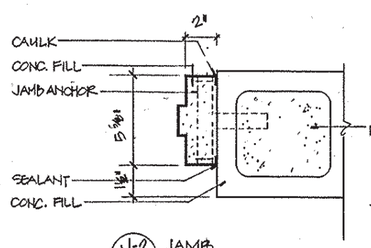
H-1 / A17 HEAD
SCALE: 3" = 1'-0"



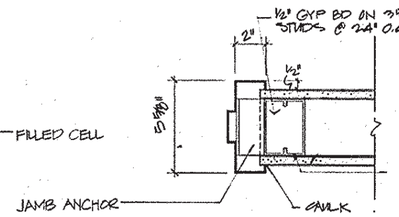
H-3 / A17 HEAD
SCALE: 3" = 1'-0"



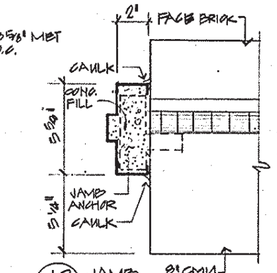
WH-1 / A17 HEAD
SCALE: 6" = 1'-0"



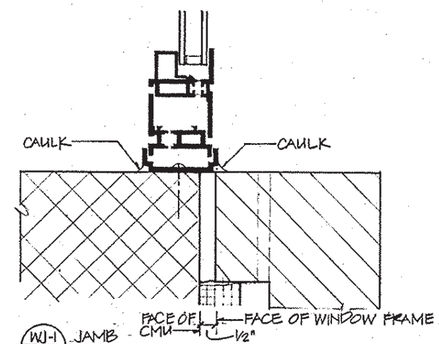
J-2 / A17 JAMB
SCALE: 3" = 1'-0"



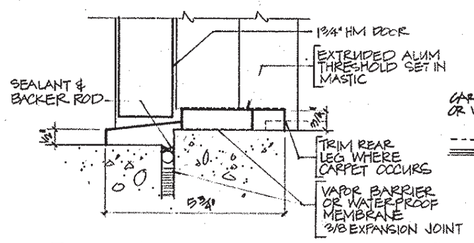
J-1 / A17 JAMB
SCALE: 3" = 1'-0"



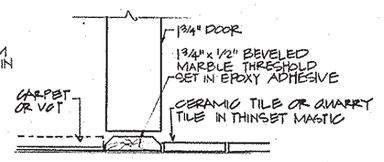
J-3 / A17 JAMB
SCALE: 3" = 1'-0"



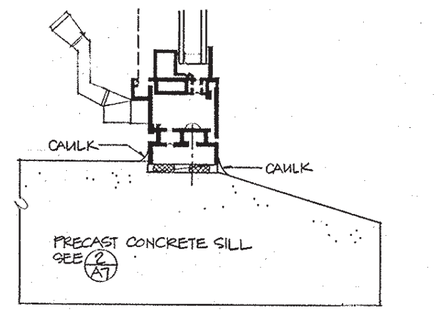
WJ-1 / A17 JAMB
SCALE: 6" = 1'-0"



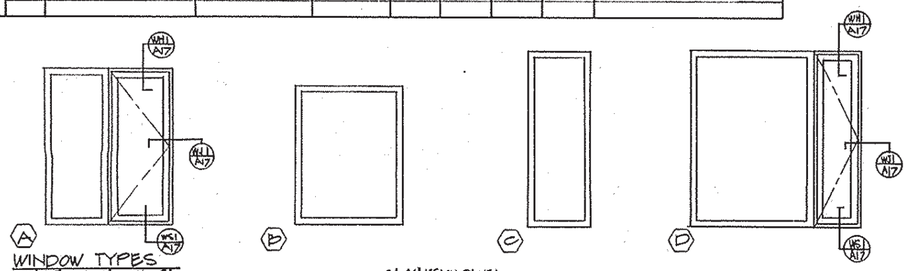
T-2 / A17 THRESHOLD
SCALE: 6" = 1'-0"



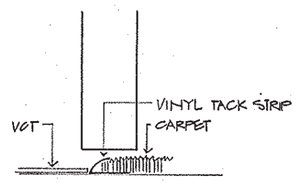
T-1 / A17 THRESHOLD
SCALE: 6" = 1'-0"



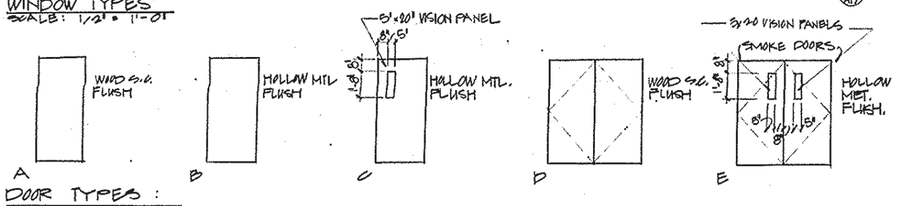
WS-1 / A17 SILL
SCALE: 6" = 1'-0"



WINDOW TYPES
SCALE: 1/4" = 1'-0"



T-3 / A17 THRESHOLD
SCALE: 6" = 1'-0"



DOOR TYPES:
SCALE: 1/4" = 1'-0"

SCALE 1/4" : 1'-0"
FEET 0 1 2 5 10

SCALE 1/2" : 1'-0"
FEET 0 .5 1 5

SCALE 6" : 1'-0"
INCHES 0 1 3 6

SCALE 3" : 1'-0"
INCHES 0 1 3 6 12

A-17

DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

DRAWN BY	DR	CHK	
SUBMITTED BY			DATE

TITLE	
108A	401
114	402
108C	403
108	404
108B	405

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS
BLDG #27266
DOOR AND WINDOW SCHEDULES

APPROVED	DATE
APPROVED	DATE
EFD FOR COMMANDER, NAVFAC	

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F	80091	3057806

CONSTR. CONTR. NO. N62477-88-C-0156
SCALE NOTED
SPEC. 21-88-0166 SHEET 23 OF 33

SYMBOL	DESCRIPTION	DATE	APPROVED
	REVISIONS		

FAN COIL UNIT SCHEDULE

UNIT NO.	TOTAL (CFM)	O.A. (CFM)	WATER DATA: MAX (GPM)	WATER DATA: MAX P.D. (FT)	COOLING DATA: TOTAL (MBH)	COOLING DATA: SENS. (MBH)	COOLING DATA: ENT WATER TEMP (°F)	COOLING DATA: ENT AIR (°F) DB	COOLING DATA: ENT AIR (°F) WB	HEATING DATA: TOTAL MBH	HEATING DATA: ENT. WATER TEMP (°F)	HEATING DATA: ENT AIR DB (°F)	MOTOR DATA: HP	MOTOR DATA: RPM (MED. SPD.)	MOTOR DATA: NO. OF SPEEDS	MOTOR DATA: VOLT/PHASE/Hz	CONTROL VALVE	TYPE	REMARKS
1	300	—	2.0	4.1	8.8	6.3	45°	78	65	5.5	180	70	1/12	1200	3	120/1/60	3-WAY	SEMI-RECESSED	
2	200	—	1.5	1.1	4.7	3.8	45°	78	65	5.5	180	70	1/15	1200	3	120/1/60	3-WAY	RECESSED	
3	300	—	2.0	4.1	8.8	6.3	45°	78	65	5.5	180	70	1/12	1200	3	120/1/60	3-WAY	RECESSED	

NOTES:
1. FAN COIL UNITS SHALL BE THE HORIZONTAL TYPE
2. PROVIDE WALL MOUNTED THERMOSTAT & 3-SPEED SWITCH.
3. MAXIMUM FACE VELOCITY = 400 FT/MIN.

AIR HANDLING UNIT SCHEDULE

UNIT NO.	AREA SERVED	FAN DATA: S.A. (CFM)	FAN DATA: MIN O.A. (CFM)	FAN DATA: EXT. S.P. (IN. WG)	FAN DATA: HP	FAN DATA: RPM	FAN DATA: FAN DIA. (INCH)	COOLING DATA: AIR TEMP (°F) ENT. DB	ENT. WB	LVG. DB	LVG. WB	COOLING CAP (MBH) TOTAL	SENS.	GPM	MAX AIR PRESS DROP	HEATING: AIR TEMP (°F) ENT DB	LVG. D.B.	CAP (MBH)	REMARKS
AHU-1	FIRST FLOOR	2000	450	1.0	2.0	1240	12¼	80.9	70.1	61.4	60.4	84.0	54.0	17.0	0.3"	55.0	90.0	75.6	
AHU-2	SECOND FLOOR	1800	270	1.0	1.5	1200	12¼	80.0	69.5	61.4	60.4	72.0	47.5	14.5	0.3"	59.0	80.0	40.8	

NOTE: 1. MAXIMUM FACE VELOCITY = 400 FT/MIN.

EXHAUST FAN SCHEDULE

UNIT NO.	CFM	S.P. IN.W.G.	TYPE	RPM	ELECT. DATA: HP	VOLT	PH	DRIVE	REMARKS
EF-1	80	0.25	CENTRIFUGAL CLG. MTD	1500	1/40	120	1	DIRECT	TYPICAL MODULE
EF-2	800	0.25	PRV	1500	1/6	120	1	BELT	TOILETS & J.C.
EF-3	870	0.25	IN-LINE CENTRIF.	1050	1/6	120	1	BELT	T. E. ROOM 1ST FL
EF-4	640	0.25	PRV	925	1/8	120	1	BELT	LAUNDRY
EF-5	400	0.25	PRV	1750	1/12	120	1	BELT	M.E ROOM 2ND. FLR

NOTES
1. ALL FAN SHALL BE PROVIDED WITH DISCONNECT SWITCHES AND BACK DRAFT DAMPERS.
2. EF-3 SHALL HAVE INLET SCREEN.

PUMP SCHEDULE

NO.	TYPE	GPM	HEAD (FT)	RPM	HP	ELECTRICAL DATA	REMARKS
P-1	END SUCTION	144	65	1750	5	460V, 3Ø, 60 Hz	
P-2	END SUCTION	144	65	1750	5	460V, 3Ø, 60Hz	STAND BY PUMP
-	FUEL OIL	1	25 PSI	1800	1/4	120V, 1Ø, 60 HZ	DUPLEX TYPE

AIR COOLED CHILLER.

60 TONS COOLING CAP. @ 55°F ENTERING AND 45°F
LVG. WATER TEMPERATURE. 95°F ENTERING CONDENSER
AIR TEMPERATURE. 144 GPM, 16 FT WATER PRESSURE DROP
TWO COMPRESSORS RLA = 44.0 CONDENSER FAN - 6.1.8 FLA EA.
LRA = 213.0
CONTROLS 0.5 KW.
ELECTRICAL DATA = 460 V - 3PH. - 60Hz
SIMILAR TO TRANE CGA060 OR APPROVED EQUAL

HOT WATER BOILER

OIL FIRED CAST IRON BOILER
GROSS OUTPUT = 706 MBH
WATER ENT/LVG TEMP = 160°F/180°F
1/2 HP BURNER
SIMILAR TO PEERLESS 706FDA OR APPROVED EQUAL.

UNIT HEATER (UH-1)

HORIZONTAL TYPE - CAPACITY: 3.0 MBH, USING 180°F/160°F WATER
280 CFM, 1/25 HP MOTOR.

EXPANSION TANK
DIAPHRAGM TYPE 50 GALS. CAP. TOT. 26.0 GALS. ACCEPTANCE.
FLOOR MTD. 24" DIA.

SYMBOL LIST

- TWO-WAY CONTROL VALVE
- THEREE-WAY CONTROL VALVE
- G — GAUGE PIPING
- V — VENT PIPING

- DUCTWORK
- MOTORIZED DAMPER
- B.D. — BACK DRAFT DAMPER
- V.D. — VOLUME DAMPER
- F.D. — FIRE DAMPER
- DUCT ELBOW WITH TURNING VANES
- SPLITTER DAMPER
- SUPPLY/OUTSIDE AIR DUCT UP, DN
- RETURN/EXHAUST AIR DUCT UP, DN
- CEILING DIFFUSER - 4 WAY UNLESS STATED
- DUCTWORK W/SOUNDLINING. DUCT SIZES SHOWN ON ARE INSIDE CLEAR DIMENSIONS.
- FLEXIBLE CONNECTION
- 1 — FAN COIL UNIT DESIGNATION
- HW — HOT WATER SUPPLY PIPING
- HWR — HOT WATER RETURN PIPING
- CHWS — CHILLED AND HOT WATER SUPPLY PIPING
- CHWR — CHILLED AND HOT WATER RETURN PIPING
- D — CONDENSATE DRAIN PIPING
- FOS — FUEL OIL SUPPLY PIPING
- FOR — FUEL OIL RETURN PIPING
- GATE VALVE
- UNION
- THERMOMETER
- PRESSURE GAUGE
- BALANCING COCK
- STRAINER
- T — THERMOSTAT
- S — FAN SWITCH
- U — UNDERCUT DOOR
- NOTE NUMBER
- AHU — AIR HANDLING UNIT
- CUH — CABINET UNIT HEATER
- CFM — CUBIC FEET PER MINUTE
- C.G. — CEILING GRILLE
- C.D. — CEILING DIFFUSER
- E.F. — EXHAUST FAN
- F.D. — FIRE DAMPER
- F.C.U. — FAN COIL UNIT
- O.A.I.L — OUTSIDE AIR INTAKE LOUVER
- O.A. — OUTSIDE AIR
- R/A — RETURN AIR
- S.A. — SUPPLY AIR
- T.D. — TRANSFER DUCT
- TR.GR, T.G. — TRANSFER GRILLE
- N. — DIFFUSER NECK
- S.L. — SOUNDLINING
- C.R — CEILING REGISTER
- P.E. — PIPE ENCLOSURE
- SD — SMOKE DETECTOR
- S.D. — DUCT SMOKE DAMPER
- CH — CHILLED WATER SUPPLY PIPING
- CHR — CHILLED WATER RETURN PIPING

R. PETROSSIAN & ASSOCIATES
Engineers - Consultants - Planners
1340 Old Chain Bridge Rd
McLEAN, VIRGINIA 22101

M-4

DEICHMEISTER ARCHITECTS
521 King Street
Alexandria VA 22314

DWN	JOB	CHK
SUBMITTED BY		DATE

TITLE

CHA	201
CS	202
E.I.C.	203
408	204
04	205

APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

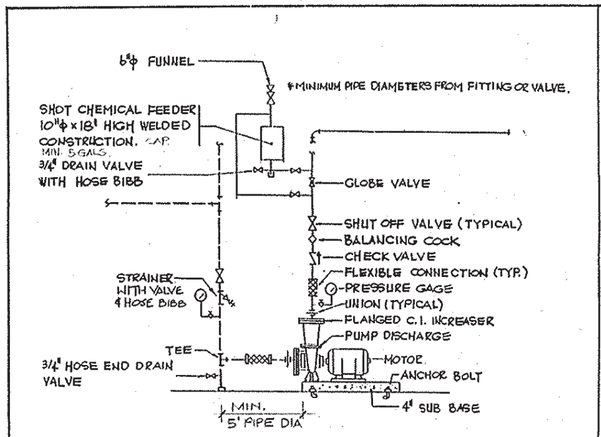
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS BL#27266

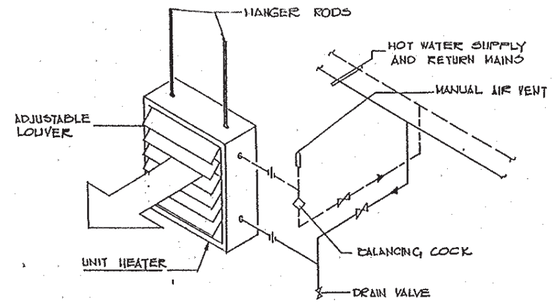
SYMBOL LIST AND SCHEDULES

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F	80091	3057812

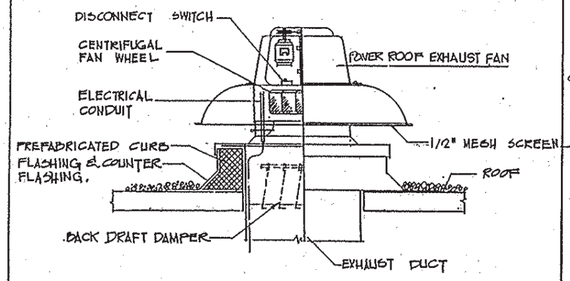
CONSTR. CONTR. NO. N62477-86-C-0166
SCALE
SPEC. 21-86-0166 SHEET 27 OF 35



PUMP PIPING DETAIL
NO SCALE

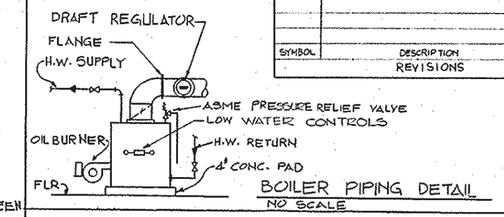


HOT WATER UNIT HEATER DETAIL
NO SCALE

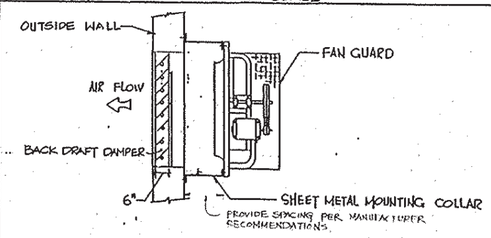


POWER ROOF EXHAUST FAN DETAIL
NO SCALE

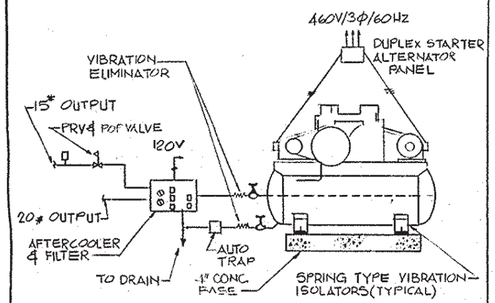
SYMBOL	DESCRIPTION	DATE	APPROVED
	REVISIONS		



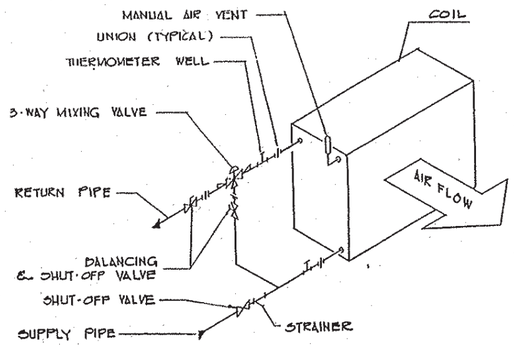
BOILER PIPING DETAIL
NO SCALE



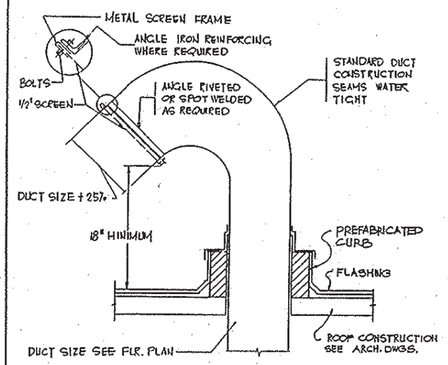
POWER WALL VENTILATOR
NO SCALE



AIR COMPRESSOR DETAIL
NO SCALE

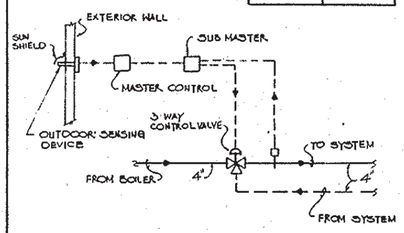


DUAL TEMPERATURE
WATER COIL PIPING DETAIL
NO SCALE

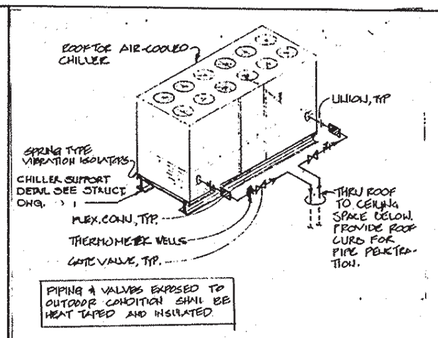


RECTANGULAR GOOSE NECK
AND COUNTER FLASHING
NO SCALE

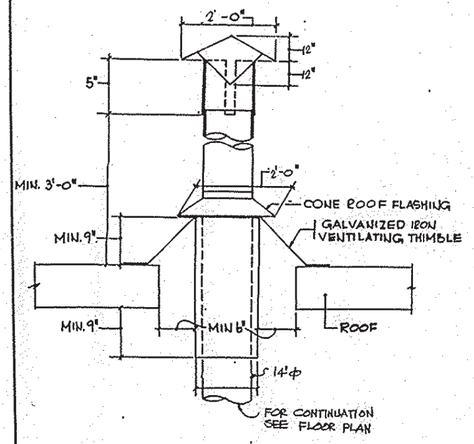
OUTDOOR TEMP.	WATER TEMP.
0°F	180°F
60°F	120°F



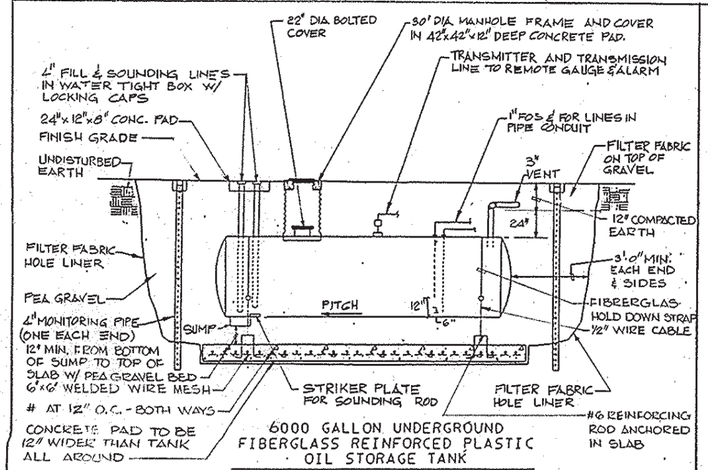
OUTDOOR RESET CONTROL
NO SCALE



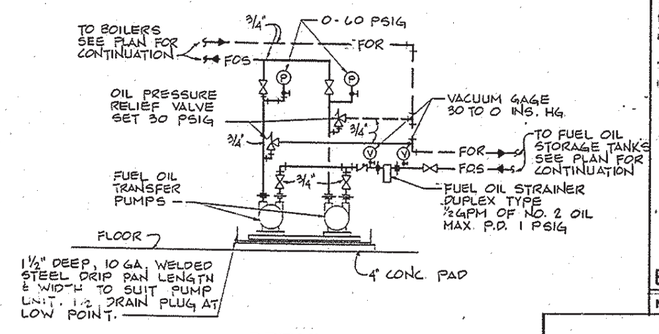
CHILLER PIPING DETAIL
SCALE: NONE



STACK DETAIL
NO SCALE

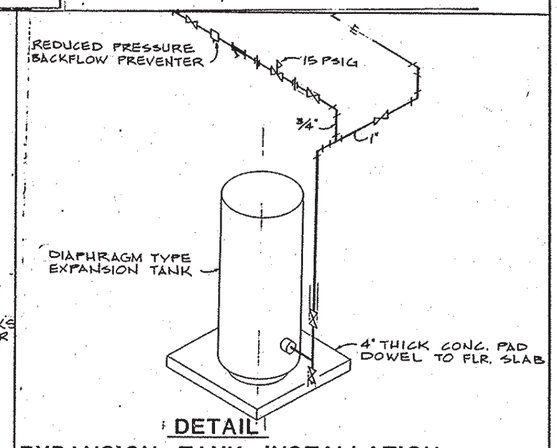


6000 GALLON UNDERGROUND
FIBERGLASS REINFORCED PLASTIC
OIL STORAGE TANK
NO SCALE



DETAIL

FUEL OIL TRANSFER PUMP PIPING
NO SCALE



DETAIL

EXPANSION TANK INSTALLATION
NO SCALE

R. PETROSSIAN & ASSOCIATES
Engineers · Consultants · Planners
1340 Old Chain Bridge Rd
McLEAN, VIRGINIA 22101

M-5

DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS BL#27265

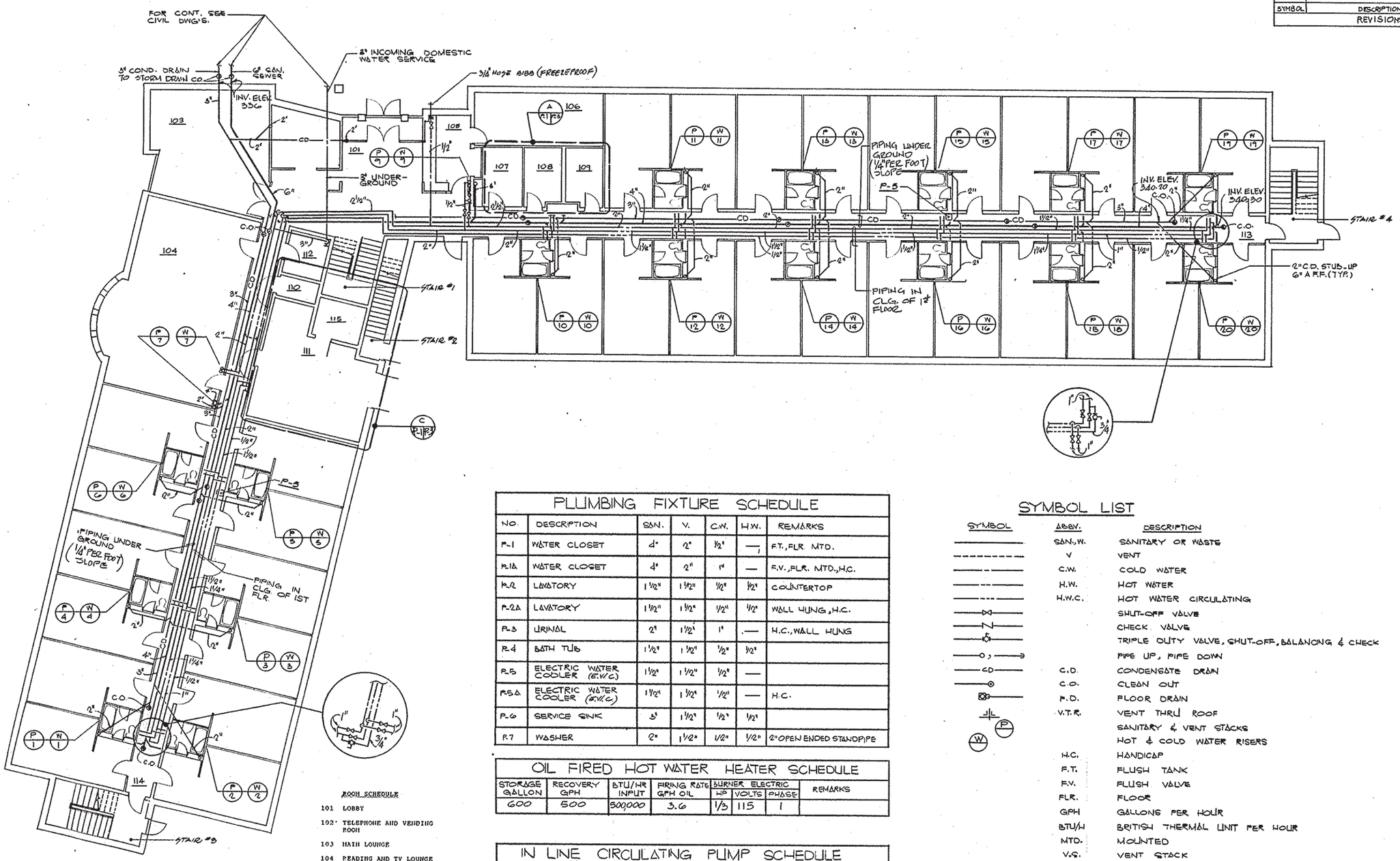
DETAILS

DES.	DR.	CHK.
SUBMITTED BY		DATE
TITLE		
CBA	20	
RA	20	
E.I.C.	20	
20	20	
20	20	

APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

SIZE F | CODE IDENT. NO. 80091 | NAVFAC DRAWING NO. 3057613
CONSTR. CONTR. NO. N62477-85-C-0155
SCALE | SPEC. 21-56-0155 | SHEET 28 OF 35

SYMBOL	DESCRIPTION	DATE	APPROVED
	REVISIONS		



PLUMBING FIXTURE SCHEDULE

NO.	DESCRIPTION	SAN.	V.	C.W.	H.W.	REMARKS
P-1	WATER CLOSET	4"	2"	1/2"	—	F.T., FLR. MTD.
P-1A	WATER CLOSET	4"	2"	1"	—	F.V., FLR. MTD., H.C.
P-2	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	COUNTERTOP
P-2A	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	WALL HUNG, H.C.
P-3	URINAL	2"	1 1/2"	1"	—	H.C., WALL HUNG
P-4	BATH TUB	1 1/2"	1 1/2"	1/2"	1/2"	
P-5	ELECTRIC WATER COOLER (E.W.C.)	1 1/2"	1 1/2"	1/2"	—	
P-5A	ELECTRIC WATER COOLER (E.W.C.)	1 1/2"	1 1/2"	1/2"	—	H.C.
P-6	SERVICE SINK	3"	1 1/2"	1/2"	1/2"	
P-7	WASHER	2"	1 1/2"	1/2"	1/2"	2" OPEN ENDED STANDPIPE

OIL FIRED HOT WATER HEATER SCHEDULE

STORAGE GALLON	RECOVERY GPH	BTU/HR INPUT	FIRING RATE GPH OIL	BURNER ELECTRIC HP	VOLTS	PHASE	REMARKS
600	500	500,000	3.6	1/3	115	1	

IN LINE CIRCULATING PUMP SCHEDULE

NO.	CAPACITY GPM	HEAD FEET	RPM	HP	VOLTS	PHASE	REMARKS
H.W.C. PUMP #1	8	10	1750	1/12	115	1	

SYMBOL LIST

SYMBOL	ABBV.	DESCRIPTION
	SAN.W.	SANITARY OR WASTE
	V	VENT
	C.W.	COLD WATER
	H.W.	HOT WATER
	H.W.C.	HOT WATER CIRCULATING
		SHUT-OFF VALVE
		CHECK VALVE
		TRIPLE DUTY VALVE, SHUT-OFF, BALANCING & CHECK
		PIPE UP, PIPE DOWN
	C.D.	CONDENSATE DRAIN
	C.O.	CLEAN OUT
	F.D.	FLOOR DRAIN
	V.T.R.	VENT THRU ROOF
P		SANITARY & VENT STACKS
W		HOT & COLD WATER RISERS
	H.C.	HANDICAP
	F.T.	FLUSH TANK
	F.V.	FLUSH VALVE
	FLR.	FLOOR
	GPH	GALLONS PER HOUR
	BTU/H	BRITISH THERMAL UNIT PER HOUR
	MTD.	MOUNTED
	V.S.	VENT STACK
	S.S.	SOIL STACK
	A.F.F.	ABOVE FINISH FLOOR
		SHOCK ABSORBER

SCALE 1/8" : 1'-0" FEET 0 2 4 10 20

SCALE 1/4" : 1'-0" FEET 0 1 2 5 10

NOTE:

1- FOR TYPICAL TOILET PLUMBING WORK SEE DWG. P-3.

FIRST FLOOR PLAN

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

ROOM SCHEDULE

101	LOBBY
102	TELEPHONE AND VENDING ROOM
103	MAIN LOUNGE
104	READING AND TV LOUNGE
105	CONTROL
106	ADMINISTRATIVE OFFICES
107	HOUSEKEEPING/BUILDING STORAGE
108	WOMEN'S TOILET
109	MEN'S TOILET
110	JANITOR'S CLOSET
111	MECHANICAL ROOM
112	LINEN STORAGE
113	CORRIDOR
114	CORRIDOR

R. PETROSSIAN & ASSOCIATES
Engineers - Consultants - Planners
1340 Old Chain Bridge Rd
McLEAN, VIRGINIA 22101

P-1

DEICHMEISTER ARCHITECTS
821 King Street
Alexandria VA 22314

DES	DWN	CHK
SUBMITTED BY		DATE
	TITLE	
DES	401	
DR	402	
E.I.C.	403	
APR	404	
CHK	405	
APPROVED		DATE
APPROVED		DATE
EFD FOR COMMANDER, NAVFAC		

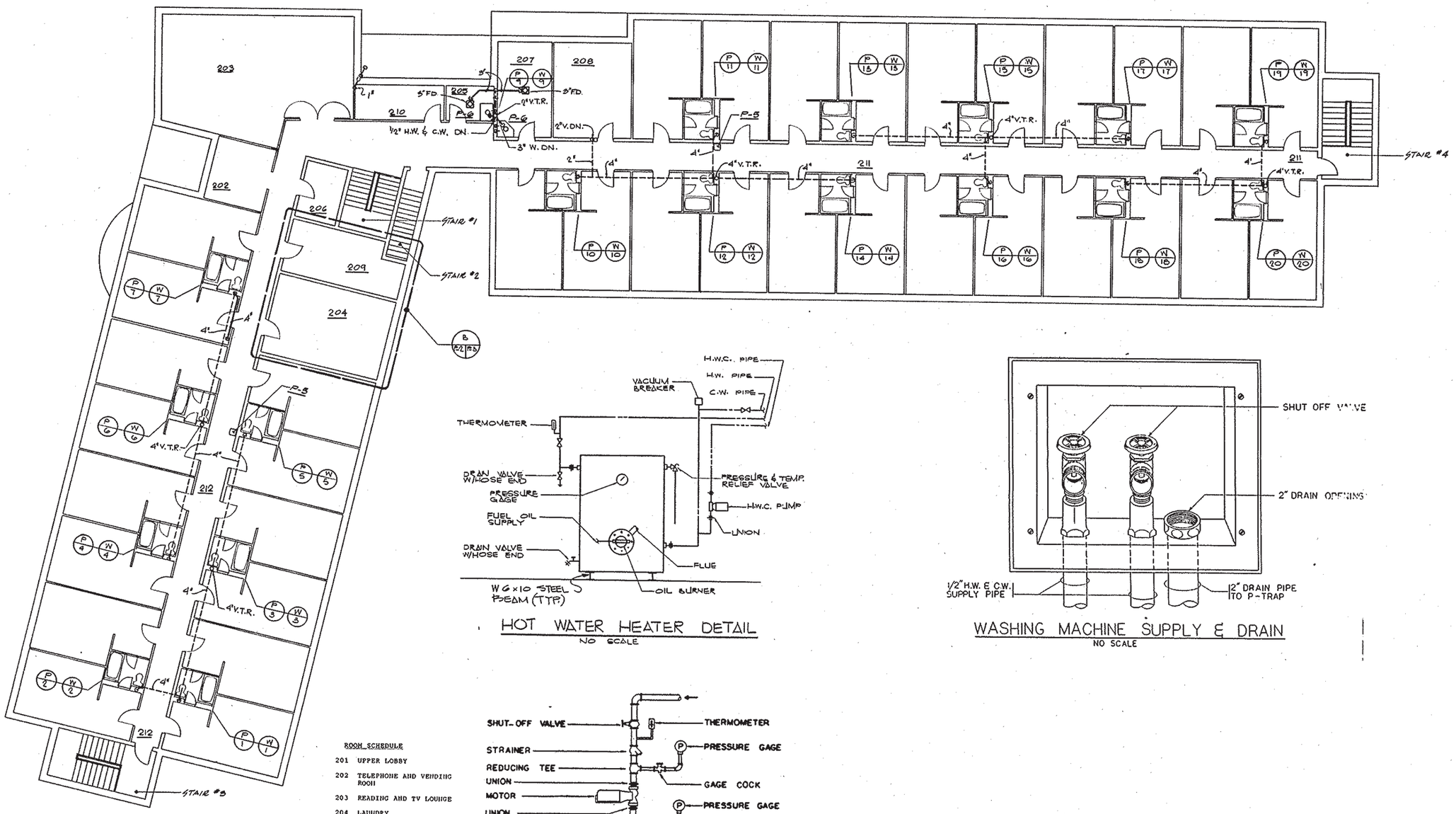
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS BL#27266
FIRST FLOOR PLAN
SYMBOL LIST AND SCHEDULES

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F	80091	3087614

CONSTR. CONTR. NO. N62477-88-C-0155
SCALE
SPEC. 21-85-0155 SHEET 28 OF 35

SYMBOL	DESCRIPTION	DATE	APPROVED
	REVISIONS		



SECOND FLOOR PLAN

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

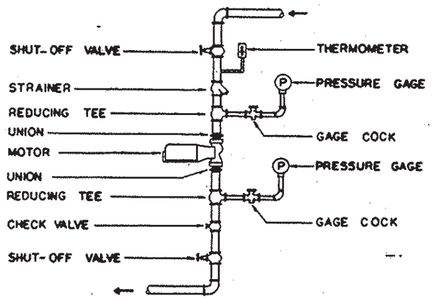
ROOM SCHEDULE	
201	UPPER LOBBY
202	TELEPHONE AND VENDING ROOM
203	READING AND TV LOUNGE
204	LAUNDRY
205	JANITOR'S CLOSET
206	LINEN CLOSET
207	HOUSEKEEPING/BUILDING STORAGE
208	BAG STORAGE
209	MECHANICAL ROOM
210	ADDITIONAL OFFICE OR STORAGE ROOM
211	CORRIDOR
212	CORRIDOR

HOT WATER HEATER DETAIL

NO SCALE

WASHING MACHINE SUPPLY & DRAIN

NO SCALE



IN-LINE CIRCULATING PUMP

NO SCALE

SCALE 1/8" : 1'-0" FEET 0 2 4 10 20

SCALE 1/4" : 1'-0" FEET 0 1 2 5 10

DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS BL#27266

SECOND FLOOR PLAN AND DETAILS

DESIGNED BY	DR	CHK	DATE

TITLE	
OBA	401
OH	402
E.H.K.	403
203	404
O.H.	405

APPROVED DATE

APPROVED DATE

EFD FOR COMMANDER, NAVFAC

R. PETROSSIAN & ASSOCIATES
Engineers - Consultants - Planners
1340 Old Chain Bridge Rd.
McLEAN, VIRGINIA 22101

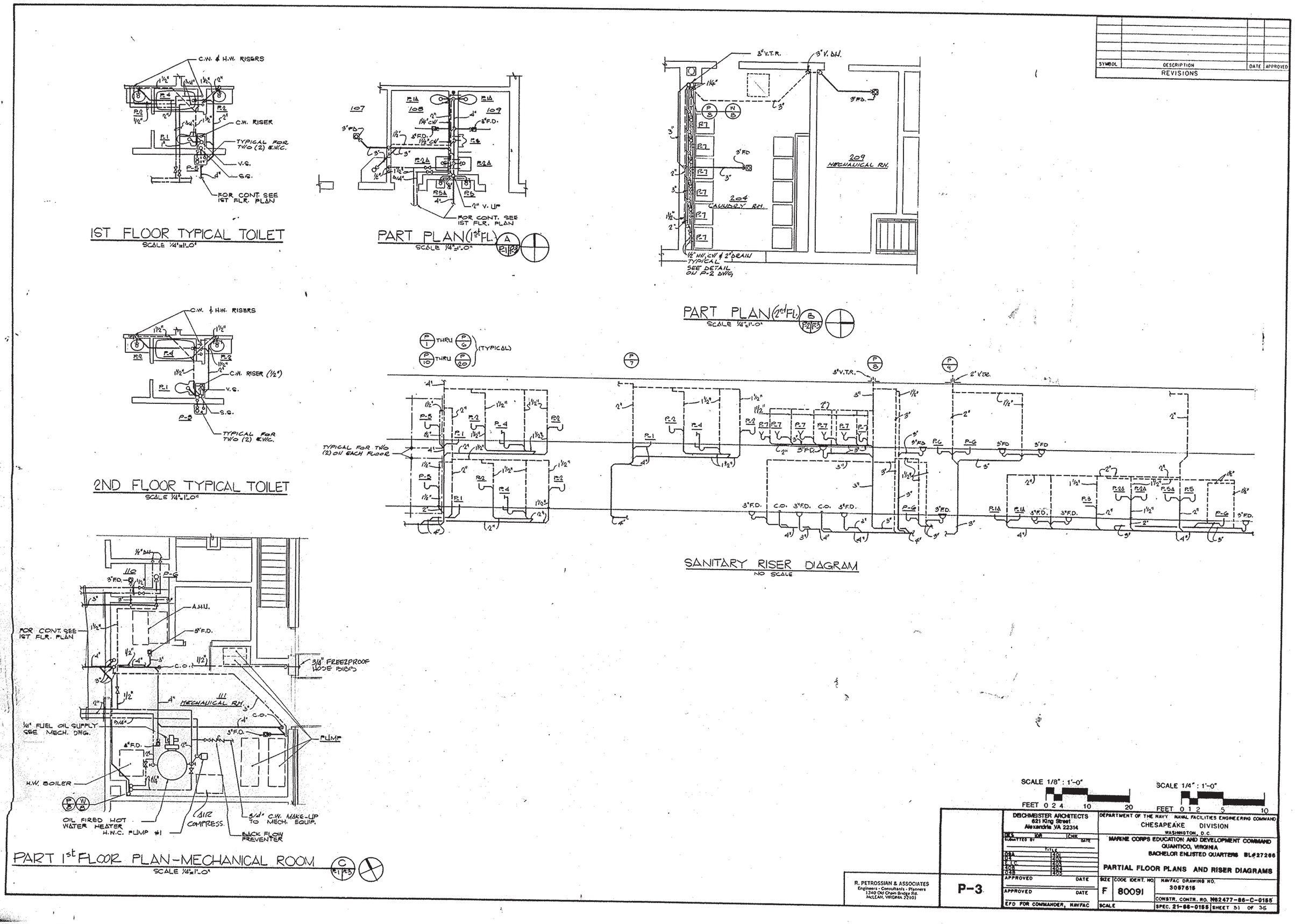
P-2

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F	80091	3057815

CONSTR. CONTR. NO. N62477-86-C-0155

SCALE

SPEC. 21-86-0155 SHEET 30 OF 36



1ST FLOOR TYPICAL TOILET
SCALE 1/4"=1'-0"

PART PLAN (1st FL.) A P-1 P-3
SCALE 1/4"=1'-0"

PART PLAN (2nd FL.) B P-2 P-3
SCALE 1/4"=1'-0"

2ND FLOOR TYPICAL TOILET
SCALE 1/4"=1'-0"

SANITARY RISER DIAGRAM
NO SCALE

PART 1st FLOOR PLAN-MECHANICAL ROOM C P-1 P-3
SCALE 1/4"=1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVED
	REVISIONS		

SCALE 1/8" : 1'-0" FEET 0 2 4 10 20

SCALE 1/4" : 1'-0" FEET 0 1 2 5 10

R. PETROSSIAN & ASSOCIATES
Engineers - Consultants - Planners
1340 Old Chain Bridge Rd.
McLEAN, VIRGINIA 22101

P-3

DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DES. | DR. | CHK.
SUBMITTED BY | DATE

TITLE

09A	401
04	402
E.I.C.	403
40B	404
04B	405

APPROVED | DATE
APPROVED | DATE
EFD FOR COMMANDER, NAVFAC

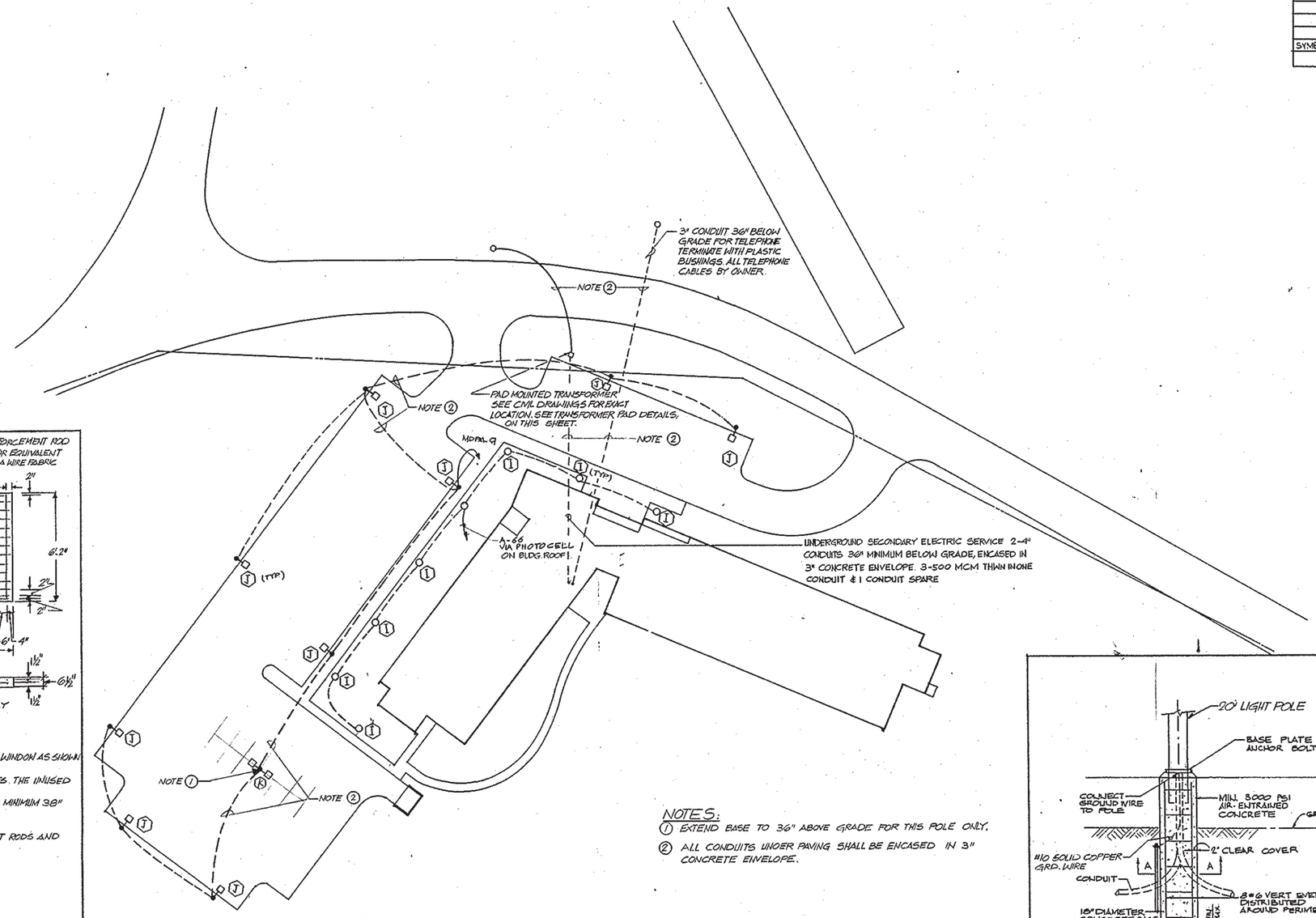
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS BL#27266

PARTIAL FLOOR PLANS AND RISER DIAGRAMS

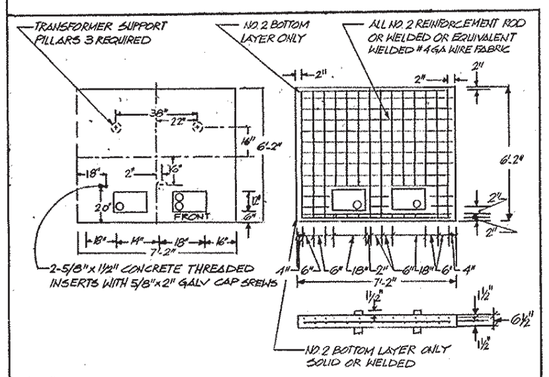
SIZE F | CODE IDENT. NO. 80091 | NAVFAC DRAWING NO. 3057615
CONSTR. CONTR. NO. N62477-86-C-0155
SCALE | SPEC. 21-86-0155 | SHEET 31 OF 35

SYMBOL	DESCRIPTION	DATE	APPROVED
	REVISIONS		



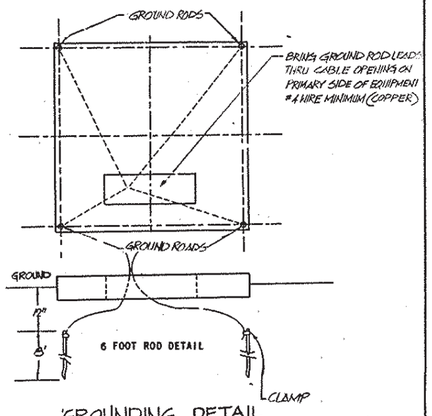
NOTES:
1. EXTEND BASE TO 36" ABOVE GRADE FOR THIS POLE ONLY.
2. ALL CONDUITS UNDER PAVING SHALL BE ENCASED IN 3" CONCRETE ENVELOPE.

SITE PLAN
SCALE: 3/4" = 20'-0"



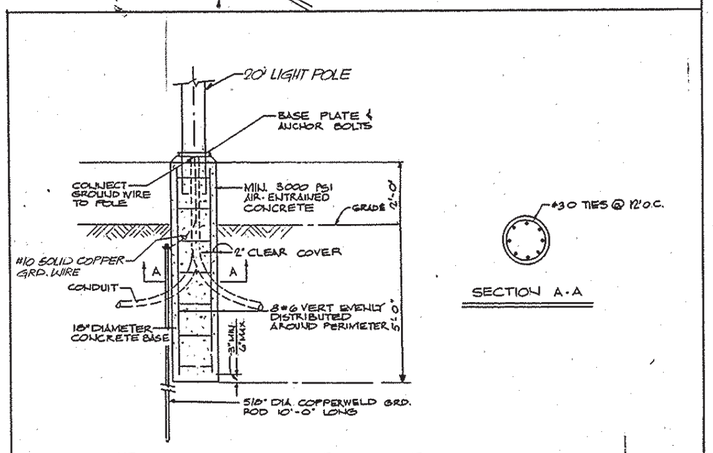
GENERAL NOTES

1- PRIMARY CONDUIT MUST BE POSITIONED AT THE FRONT OF PRIMARY WINDOW AS SHOWN
2- NUMBER OF CONDUIT IS TO BE AS SHOWN
3- IF CONDUCTORS ARE NOT PULLED IN ALL SECONDARY SERVICE CONDUITS. THE UNUSED CONDUIT SHOULD BE AT THE FRONT POSITION
4- SWEEPS MUST BE 4" RIGID CONDUIT OR INTERMEDIATE CONDUIT WITH A MINIMUM 38" RADIUS BEND
5- CONCENTRATION 6 BAGS OF CEMENT PER YARD.
6- MAINTAIN CONCRETE COVER CLEARANCES BETWEEN REINFORCEMENT RODS AND SURFACES AS SHOWN.



GROUNDING DETAIL
NO SCALE

TYPICAL TRANSFORMER PAD
NOT TO SCALE



SECTION A-A

TYPICAL LIGHT POLE BASE
NOT TO SCALE

SCALE 3/4" = 20'-0"
FEET 0 5 10 20 40

DEICHMEISTER ARCHITECTS 621 King Street Alexandria VA 22314	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.	
DES JOB CHK SUBMITTED BY DATE TITLE 09A 401 04 402 E.I.C. 403 40B 404 04B 405	MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND QUANTICO, VIRGINIA BACHELOR ENLISTED QUARTERS BL #27266 SITE PLAN	
APPROVED DATE APPROVED DATE EFD FOR COMMANDER, NAVFAC	SIZE F CODE IDENT. NO. 80091 SCALE 3/4" = 20'	NAVFAC DRAWING NO. 3057817 CONSTR. CONTR. NO. N62477-88-C-0155 SPEC. 21-88-0155 SHEET 32 OF 35

E-1

PANEL SCHEDULE (DOUBLE SECTION SURFACE MOUNTED)

PANEL: A 120/208 VOLTS 3Φ 4W — MAIN BREAKER: 225 AMPS
CONNECTED LOAD: 66.3 KW AISC = 10,000 — MAIN LUGS: AMPS

CONN. LOAD HP	CONN. LOAD KW	WIRE	SERVING	CKT BREAKER AMP 1000 AIC SYM	TRIP	FRAME	POLE	CKT NO	PHASE	CKT NO	POLE	FRAME	TRIP	CKT BREAKER AMP 1000 AIC SYM	SERVING	WIRE	CONN. LOAD KW	CONN. LOAD HP
	1.1	#12	MODULE LTS.	10	20	100	1	1	A	2	1	100	20	10	MODULE LTS.	#12	1.1	
	1.1							3	B	4							1.1	
	1.1							5	C	6							1.1	
	1.1							7	A	8							1.1	
	1.1							9	B	10							1.1	
	1.1							11	C	12							1.1	
	1.1							13	A	14							1.1	
	1.1							15	B	16							1.1	
	1.1							17	C	18							1.1	
	1.1							19	A	20							1.1	
	1.1							21	B	22							1.1	
	1.1							23	C	24							1.1	
	1.1							25	A	26							1.1	
	1.1							27	B	28							1.1	
	1.1							29	C	30							1.1	
	1.1							31	A	32							1.1	
	1.2		TV LOUNGE LTS.					33	B	34					ADM.OFF. LTG		.4	
	1.3		OFF.& TLT. LTS					35	C	36					LOBBY LTG.		1.7	
	.7		CORR. LTS.					37	A	38			15		EF. 3 & UH-1		.3	
	.5		// //					39	B	40			20		PERIM.	#8	1.4	
	1.0		EWC					41	C	42					EWC	#12	1.0	
	1.2		RECEPT.					43	A	44					RECEPT.	#12	1.2	
			SPARE					45	B	46							1.2	
			RECEPT.					47	C	48							1.2	
			//					49	A	50							1.2	
			//					51	B	52							1.2	
	1		F.C.U.					53	C	54					F.C.U.		1.0	
			//					55	A	56					//		1.0	
			//					57	B	58					//		1.0	
1/12			RECIRC. PUMP		15			59	C	60			15		OIL PUMP			2e¼
1/3			H.W. HEATER		15			61	A	62			20		RECEPT		1.2	
	1.2		TEL. RECEPT.		20			63	B	64					EXIT LIGHTS		.4	**
	1		LIGHTS					65	C	66					SIDEWALK LTS.	#8	.8	
			SPARE					67	A	68					RECEPT.	#12	.4	
			// //					69	B	70					SPARE			
			SPARE					71	C	72								
			//					73	A	74								
			//					75	B	76								
			//					77	C	78								
			SPACE					79	A	80					SPACE			
			//					81	B	82					//			
			//					83	C	84					//			

** PROVIDE HANDLE LOCK ON CIRCUIT BREAKER.

MDP 'A' 400A 3Φ 3W 480 V.

MAIN BREAKER = 400 AMPS
SURFACE MOUNTED AISC = 14,000

CKT. NO.	POLE	FRAME	TRIP	FEEDER	SERVING	KVA
1	3	225	125	3#1/0+1#4G. - 2"C.	TRANSFORMER 'TA'	75
2	3	225	125	3#1/0+1#4G. - 2"C.	TRANSFORMER 'TB'	75
3	3	225	150	3#1/0+1#4G. - 2"C	CHILLER	84
4	3	100	15	3#12+1#12G.-3/4"C	P-2	5
5	3	100	15	3#12+1#12G.-3/4"C	P-1	5
6	3	100	15	3#12+1#12G.-3/4"C.	AHU-1	2
7	3	100	15	3#12+1#12G.-3/4"C.	AHU-2	1½
8	3	100	20	3#12+1#12G.-3/4"C.	BURNERS (2)	4
9	2	100	20	2#8+1#10G -3/4"C.	PARKING LIGHTING	4.4
10-27	1	100	-	—	SPACE	

* PROVIDE ENERGY SAVING BALLASTS WITH ALL FLUORESCENT LUMINAIRES

LIGHTING FIXTURE SCHEDULE

TYPE	LAMP NO	LAMP TYPE	VOLTS	DESCRIPTION	MOUNTING	REMARKS
A	2	F34W T12/RS/WW	120	*LITHONIA LB 240 120 ES	SURFACE	INTERIOR
B	2	60W A-19	120	PRESCOLITE 7012	SURFACE	INTERIOR
C	2	F20T 12/WW	120	DAY-BRITE A5220W	WALL	INTERIOR
D	2	F40WW RS/WM	120	*LITHONIA C240 120ES TILW	SURFACE	INTERIOR
F	1	75W R-30	120	LIGHTOLIER 7064	SEMI-RECESSED	INTERIOR
F1	1	150W R-40	120	LIGHTOLIER 7064	SEMI-RECESSED	INTERIOR
I	1	70W E-23½	120	PRESCOLITE 6210	BOLLARD 48" HIGH	EXTERIOR
J	1	551 WA-400	480	HUBBELL, RCJ-0400S-1T5-1-F5-PC, LUMINAIRE	20' POLE	EXTERIOR
K	2	551 WA-400	480	HUBBEL (2 HEAD), RCJ-0400S-1T5-1-F5-PC, LUMINAIRE	20' POLE	EXTERIOR
L	2	F40WWX RS/WM	120	*COLUMBIA LIGHTING INC. 294-WM-4	WALL	INTERIOR
M	2	F40WWX RS/WM	120	*LITHONIA AF 240 120 ES	SURFACE	INTERIOR
G	4	F40WWX RS/WM	120	*LITHONIA 2SPG440RWA12-120ES	RECESSED	INTERIOR
N	2	F40WWX RS/WM	120	*LITHONIA 2SPG240RWA12-120ES	RECESSED	INTERIOR
P	1	70W E 23½	120	LIGHTOLIER 33670-EB	RECESSED	INTERIOR
Q	1	M57PE-R175/U	120	LITHONIA TWH 175MP 120	WALL	EXTERIOR
E	2 2	20W 6V-3W	120	EMERGI-LITE SMX22 & SMX23	SURFACE	INTERIOR
H	2	WITH UNIT	120	EMERGI-LITE 12.5C36-2E	WALL	INTERIOR

PANEL SCHEDULE (DOUBLE SECTION SURFACE MOUNTED)

PANEL: 'B' 120/208 VOLTS 3Φ 4W — MAIN BREAKER: 225 AMPS
CONNECTED LOAD: 98.9 KW AISC = 10,000 — MAIN LUGS: AMPS

CONN. LOAD HP	CONN. LOAD KW	WIRE	SERVING	CKT BREAKER AMP 1000 AIC SYM	TRIP	FRAME	POLE	CKT NO	PHASE	CKT NO	POLE	FRAME	TRIP	CKT BREAKER AMP 1000 AIC SYM	SERVING	WIRE	CONN. LOAD KW	CONN. LOAD HP
	1.1	#12	MODULE LTG.	10	20	100	1	1	A	2	1	100	20	10	MODULE LTG.	#12	1.1	
	1.1							3	B	4							1.1	
	1.1							5	C	6							1.1	
	1.1							7	A	8							1.1	
	1.1							9	B	10							1.1	
	1.1							11	C	12							1.1	
	1.1							13	A	14							1.1	
	1.1							15	B	16							1.1	
	1.1							17	C	18							1.1	
	1.1							19	A	20							1.1	
	1.1							21	B	22							1.1	
	1.1							23	C	24							1.1	
	1.1							25	A	26							1.1	
	1.1							27	B	28							1.1	
	1.1							29	C	30							1.1	
	1.1							31	A	32							1.1	
	1.1							33	B	34							1.1	
	1.1							35	C	36							1.1	
	.8		LOUNGE LTG.					37	A	38							.7	
	1.3		LOBBY LTG.					39	B	40					STOR. LTS.		.7	
	.8		LAUNDRY LTS.					41	C	42					//		.6	
	1.2		RECEPT.					43	A	44					RECEPT.		1.2	
								45	B	46							1.2	
								47	C	48							1.2	
								49	A	50							1.2	
								51	B	52					F.C.U.		1.0	
	1.0		F.C.U.					53	C	54					//		1.0	
								55	A	56					//		1.0	
								57	B	58					//		1.0	
	1.5		WASHER					59	C	60					WASHER		1.5	
	1.5		//					61	A	62					//		1.5	
	1.5		IRONING					63	B	64					SPARE			
	5	#10	DRYER	10	30	100	2	65	C	66					//			
								67	A	68	2	100	30	10	DRYER	#10	5	
	5	#10	DRYER	10	30	100	2	69	B	70								
								71	C	72	1	100	20	10	EXIT LIGHTS	#12	.3	
	5	#10	DRYER	10	30	100	2	73	A	74					(2) EF & UH	#12	.8	
								75	B	76					WASHER	#12	1.5	
	5	#10	DRYER	10	30	100	2	77	C	78					WASHER	#12	1.5	
								79	A	80					SPARE			
			SPARE					81	B	82								
			//					83	C	84								

SYMBOL	DESCRIPTION	DATE	APPROVED

REVISIONS

SYMBOL LIST

Symbol	Description
(symbol)	FLUORESCENT FIXTURE - CEILING/WALL MOUNTED
(symbol)	STRIP FLUORESCENT FIXTURE
(symbol)	EMERGENCY BATTERY OPERATED REMOTE LIGHT
(symbol)	INCANDESCENT FIXTURE
(symbol)	POLE MOUNTED SITE LUMINAIRE
(symbol)	EXIT SIGN
(symbol)	HOMERUN TO PANELBOARD, ARROW HEADS INDICATE NO. OF CIRCUITS. CROSS-MARKS INDICATE NO. OF WIRES WHEN MORE THAN TWO.
GFI	GROUND FAULT INTERRUPTER - 42" AFF. NEMA 5-20R
(symbol)	DUPLEX RECEPTACLE - 18" AFF NEMA 5-20R OR AS NOTED
(symbol)	TELEPHONE OUTLET - 18" AFF
Ⓙ	JUNCTION BOX
Ⓕ	FIRE ALARM BELL - 84" AFF
F	FIRE ALARM PULL BOX - 48" AFF
(symbol)	DISCONNECT SWITCH 30A 3P N/F 480V UNLESS INDICATED.
Ⓢ	SMOKE DETECTOR
Ⓗ	HEAT DETECTOR
(symbol)	MOTOR
(symbol)	PANELBOARD
(symbol)	TV. OUTLET - 18" AFF
(symbol)	MAGNETIC DOOR HOLDER
Ⓓ	SELF CONTAINED 120V. BATTERY BACK-UP SMOKE-DETECTOR, CONNECT TO LIVING AREA UNSWITCHED LIGHTING CIRCUIT
(symbol)	WIRING CONCEALED IN WALL OR CEILING
(symbol)	UNDER GROUND WIRING
(symbol)	30A 2P 3W 250V. GROUNDING TYPE RECEPTACLE - 48" AFF - NEMA 10-30R
—T—	RUN 1" EC IN FLOOR SLAB TO TELEPHONE TERMINAL BOARD AT 1ST FLOOR
—TV—	RUN 3/4" EC IN FLOOR SLAB TO 'TV' PULL BOX LOCATED AT 1ST FLOOR IN EACH ROOM.
EC	EMPTY CONDUIT
WP	WEATHER PROOF
(symbol)	MOTOR CONTROLLER - MAGNETIC - 60" AFF
R	MASTER BOX & ANTENNA
I	INTERFACE PANEL FOR ALARM SYSTEM
DS	DUCT SMOKE DETECTOR
Ⓐ	LETTER INDICATES TYPE OF FIXTURE
$M	MANUAL MOTOR STARTER, MOTOR RATED - 54" AFF
$	SINGLE POLE TOGGLE SWITCH - 48" AFF
(symbol)	BRANCH CIRCUIT PANEL BOARD
(symbol)	DISTRIBUTION PANELBOARD
$3	THREE WAY SWITCH - 48" AFF
○ ●	CONDUIT UP AND DOWN
TB	DRY TYPE TRANSFORMER, LETTERS INDICATE IDENTIFICATION
(symbol)	CLOCK HANGER OUTLET, 84" AFF
TYP.	TYPICAL
GFI	GROUND FAULT INTERRUPTING
F.C.U.	FAN COIL UNIT
PNL	PANEL
RLA	RUNNING LOAD AMPS
FLA	FULL LOAD AMPS
COMP.	COMPRESSOR
MCM	CIRCULAR MILS
MDP	MAIN DISTRIBUTION PANEL
KVA	KILO VOLT AMPS
UH	UNIT HEATER
MIN.	MINIMUM
DWG.	DRAWING
TEL.	TELEPHONE
HP	HORSE POWER
V	VOLT
C	CONDUIT
G	GROUND
A	AMPS
EF	EXHAUST FAN
AHU	AIR HANDLING UNIT
AFF	ABOVE FINISHED FLOOR

DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DES | DR | CHK
SUBMITTED BY | DATE

TITLE
09A	401
03	402
E.I.C.	403
408	404
04B	405

APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS BL #27260

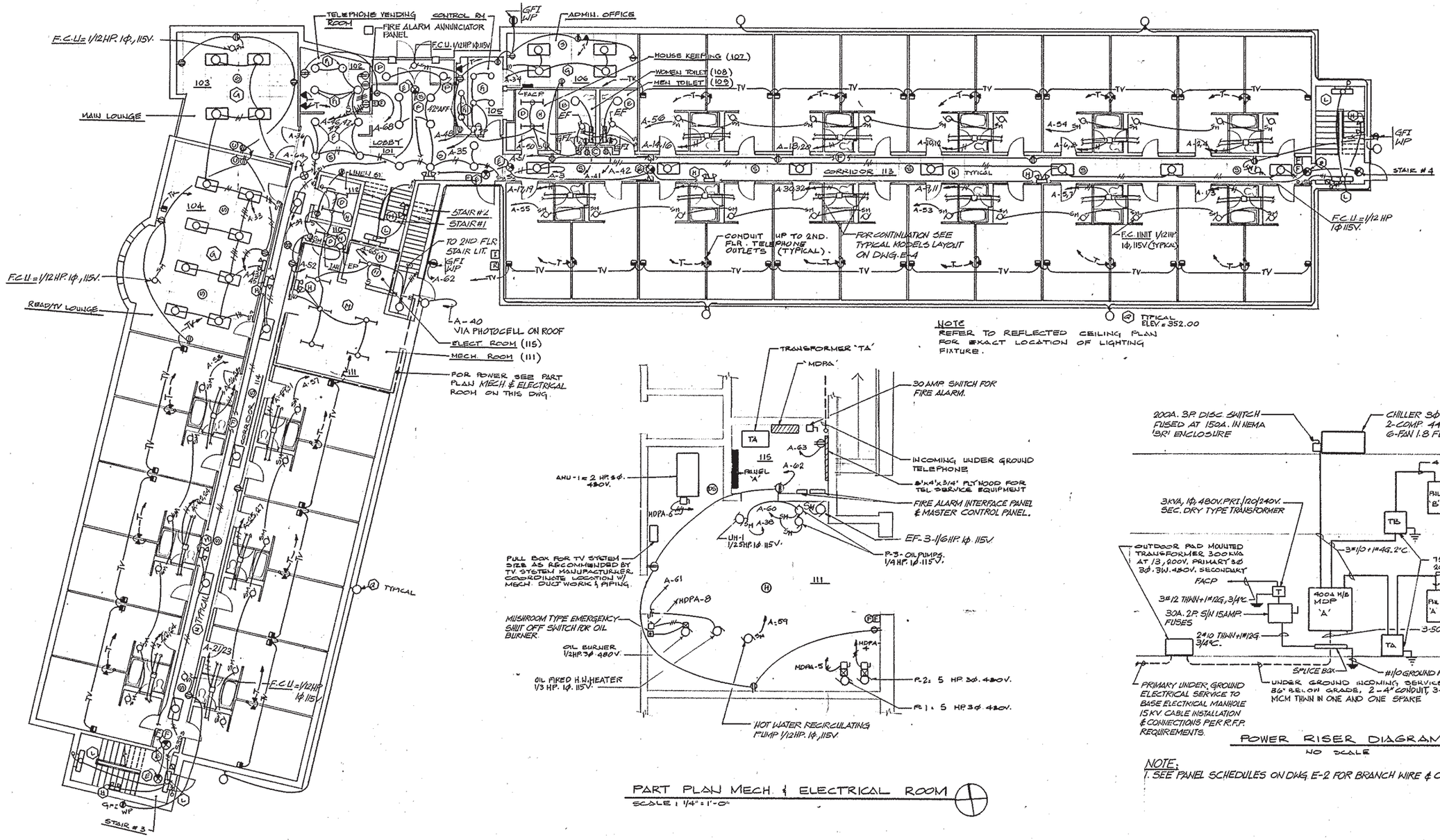
SYMBOL LIST & SCHEDULES

SIZE F | CODE IDENT. NO. 80091 | NAVFAC DRAWING NO. 3067818
CONSTR. CONTR. NO. N62477-86-C-0156
SCALE | SPEC. [illegible] | SHEET 33 OF 35

E-2

SYMBOL	DESCRIPTION	DATE	APPROVED

REVISIONS



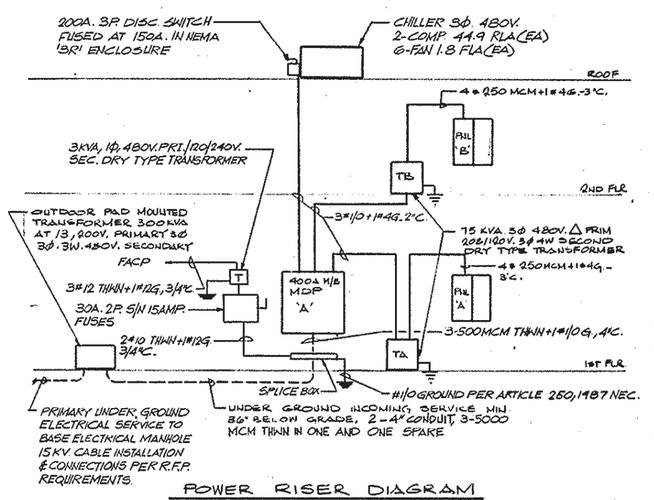
NOTE
REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURE.

FIRST FLOOR PLAN

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

PART PLAN MECH. & ELECTRICAL ROOM

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



POWER RISER DIAGRAM

NO SCALE

NOTE:
1. SEE PANEL SCHEDULES ON DWG. E-2 FOR BRANCH WIRE & CONDUIT SIZES.

SCALE 1/4" : 1'-0" FEET 0 1 2 5 10

SCALE 1/8" : 1'-0" FEET 0 2 4 10 20

DEICHMEISTER ARCHITECTS
621 King Street
Alexandria VA 22314

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND
QUANTICO, VIRGINIA
BACHELOR ENLISTED QUARTERS BL #27260
1st FLR. PLAN, MECH. & ELECT. RM'S &
POWER RISER DIAGRAM

DWG.	DR	CHK
SUBMITTED BY		DATE

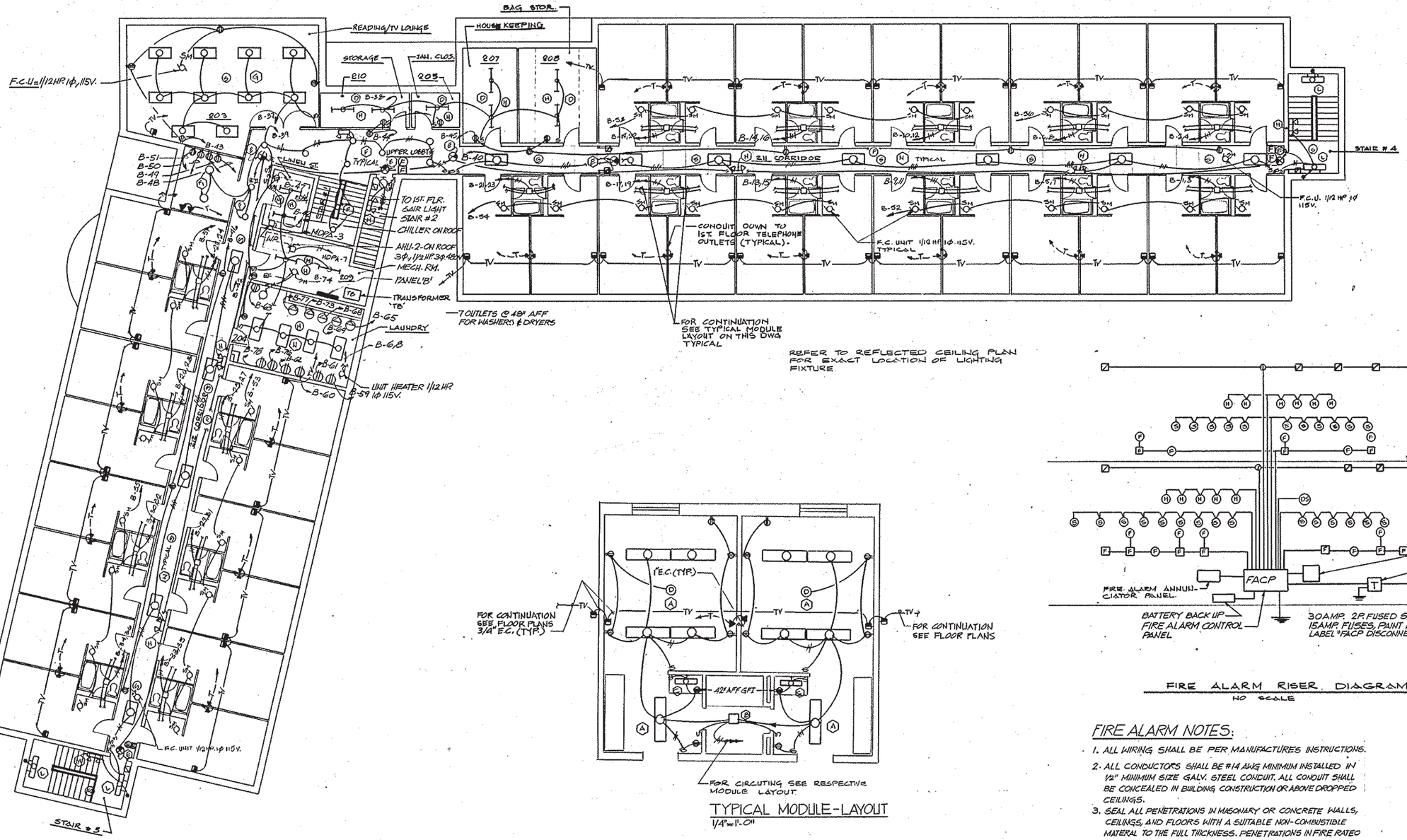
	TITLE
00A	200
00B	200
00C	200
00D	200
00E	200

E-3

APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

SIZE F | CODE IDENT. NO. 80091 | NAVFAC DRAWING NO. 3087515
CONSTR. CONTR. NO. N62477-86-C-0155
SCALE AS NOTED | SPEC. 21-86-0155 | SHEET 34 OF 35

SYMBOL	DESCRIPTION	DATE	APPROVED
	REVISIONS		

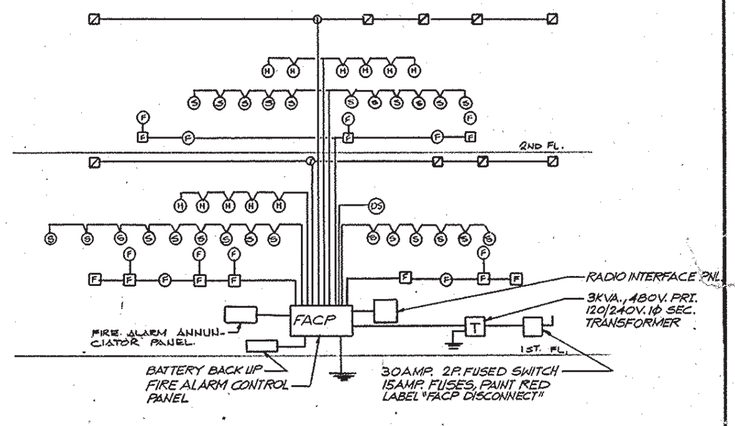


SECOND FLOOR PLAN

SCALE 1/8" = 1'-0"

TYPICAL MODULE-LAYOUT

1/4" = 1'-0"



FIRE ALARM RISER DIAGRAM

NO SCALE

FIRE ALARM ANNUNCIATOR PANEL ZONES

01. MANUAL PULL STATIONS - 1ST. FLOOR EAST
02. MANUAL PULL STATIONS - 1ST. FLOOR SOUTH
03. MANUAL PULL STATIONS - 2ND. FLOOR EAST
04. MANUAL PULL STATIONS - 2ND. FLOOR SOUTH
05. HEAT DETECTORS - 1ST. FLOOR EAST
06. HEAT DETECTORS - 1ST. FLOOR SOUTH
07. HEAT DETECTORS - 2ND. FLOOR SOUTH
08. HEAT DETECTORS - 2ND. FLOOR SOUTH
09. SMOKE DETECTORS - 1ST. FLOOR EAST
10. SMOKE DETECTORS - 1ST. FLOOR SOUTH
11. SMOKE DETECTORS - 2ND. FLOOR EAST
12. SMOKE DETECTORS - 2ND. FLOOR SOUTH
13. DUCT SMOKE DETECTORS
14. SPARE
15. SPARE
16. SPARE

FIRE ALARM NOTES:

1. ALL WIRING SHALL BE PER MANUFACTURES INSTRUCTIONS.
2. ALL CONDUCTORS SHALL BE #14 AWG MINIMUM INSTALLED IN ½" MINIMUM SIZE GALV. STEEL CONDUIT. ALL CONDUIT SHALL BE CONCEALED IN BUILDING CONSTRUCTION OR ABOVE DROPPED CEILINGS.
3. SEAL ALL PENETRATIONS IN MASONARY OR CONCRETE WALLS, CEILINGS, AND FLOORS WITH A SUITABLE NON-COMBUSTIBLE MATERAL TO THE FULL THICKNESS. PENETRATIONS IN FIRE RATED WALLS SHALL BE SEALED WITH A MATERIAL OF EQUAL FIRE RESISTANCE.

SCALE 1/4" : 1'-0"
FEET 0 1 2 5 10

SCALE 1/8" : 1'-0"
FEET 0 2 4 10 20

E-4	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C. MARINE CORPS EDUCATION AND DEVELOPMENT COMMAND QUANTICO, VIRGINIA BACHELOR ENLISTED QUARTERS BL #27266 2nd. FLR. PLAN, TYP. MODULE LAYOUT & FIRE ALARM RISER DIAGRAM	
	DESIGNED BY / DRAWN BY / CHK. / DATE	
	TITLE: 208A 1201; 204 1202; 206 1203; 208B 1204; 204B 1205	
	APPROVED / DATE	SIZE F; CODE IDENT. NO. 80091; NAVFAC DRAWING NO. 3057520
	APPROVED / DATE	CONSTR. CONTR. NO. N62477-86-C-0155
	EFD FOR COMMANDER, NAVFAC	SCALE AS NOTED; SPEC. 21-86-0155; SHEET 35 OF 35