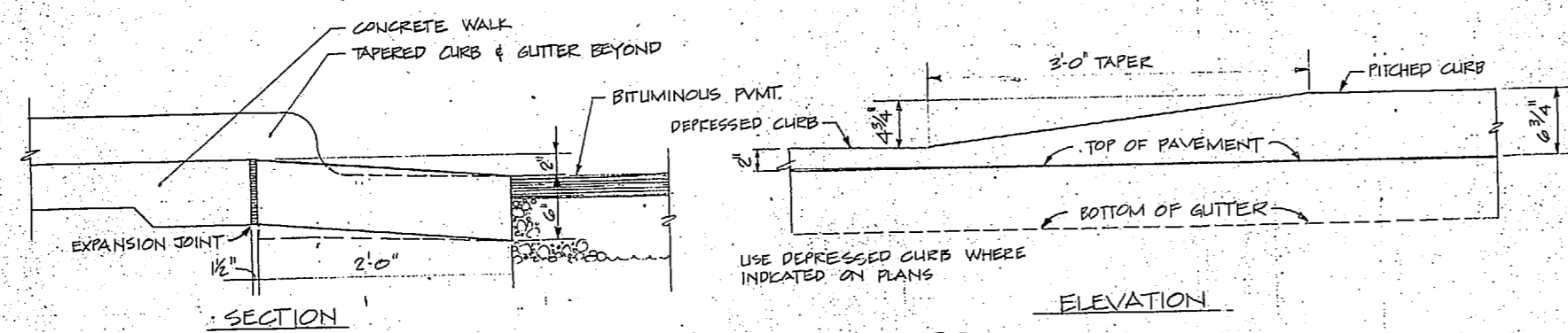
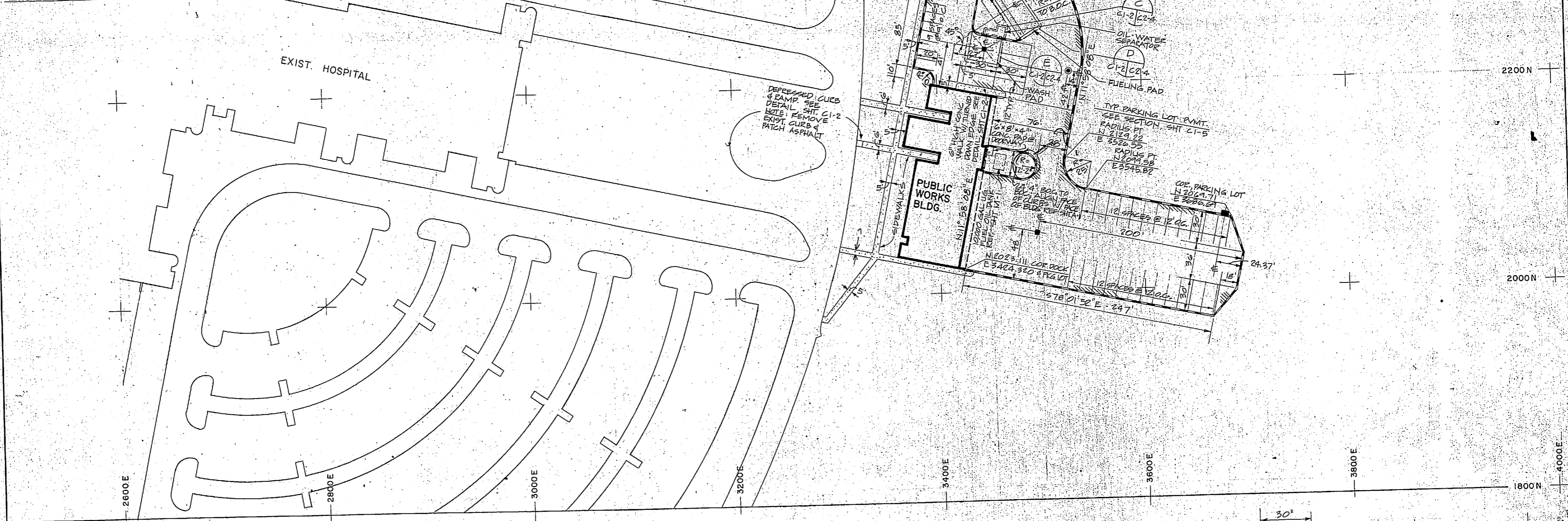


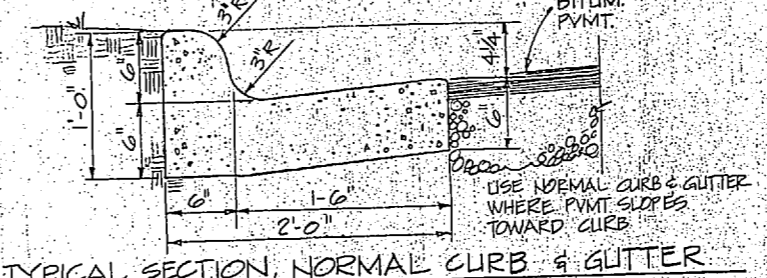
MATCH LINE 2300N

MATCHES SH. C1-3

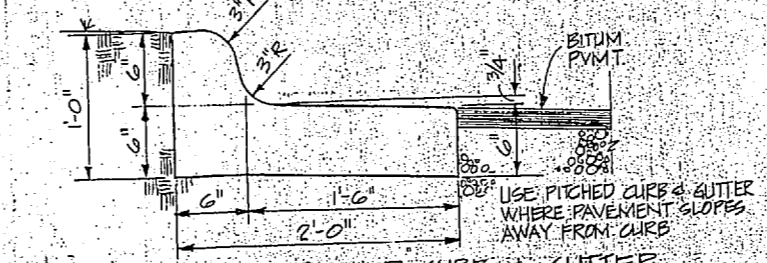
REVISIONS		
SYM.	DESCRIPTION	DATE



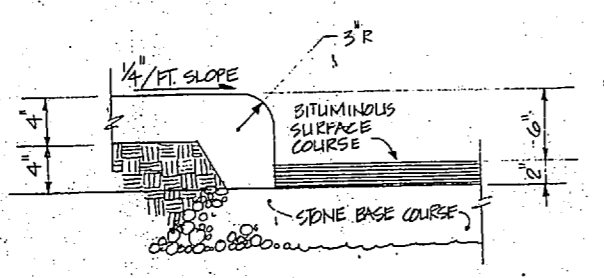
TYPICAL DEPRESSED CURB NOT TO SCALE



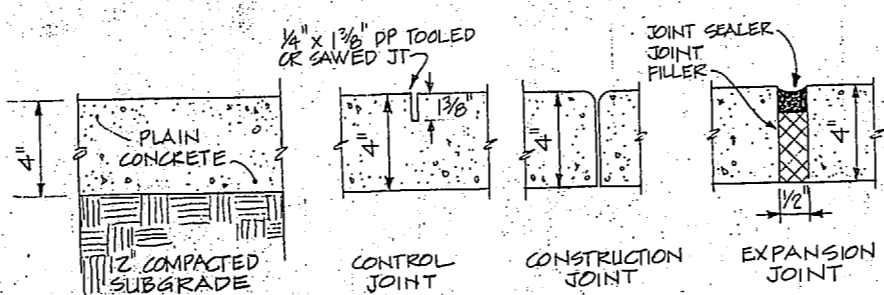
TYPICAL SECTION NORMAL CURB & GUTTER NOT TO SCALE



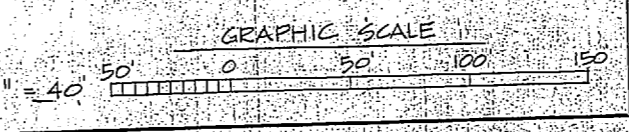
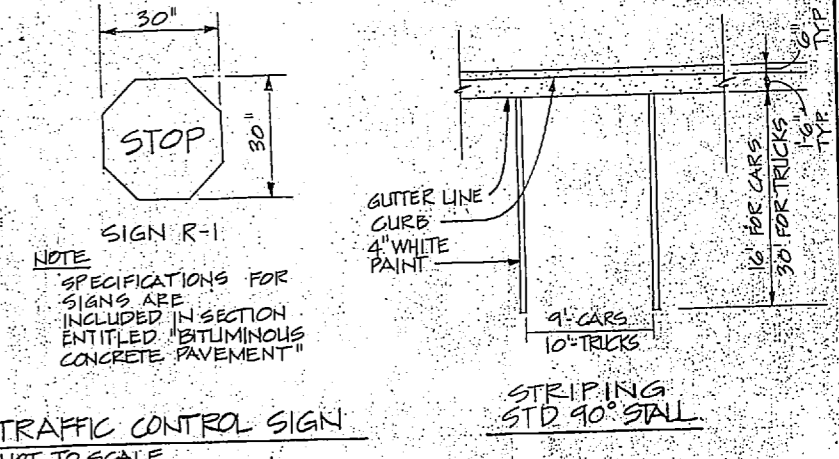
TYPICAL SECTION PITCHED CURB & GUTTER NOT TO SCALE



TYPICAL SECTION CONCRETE WALK W/ TURNED-DOWN EDGE NOT TO SCALE

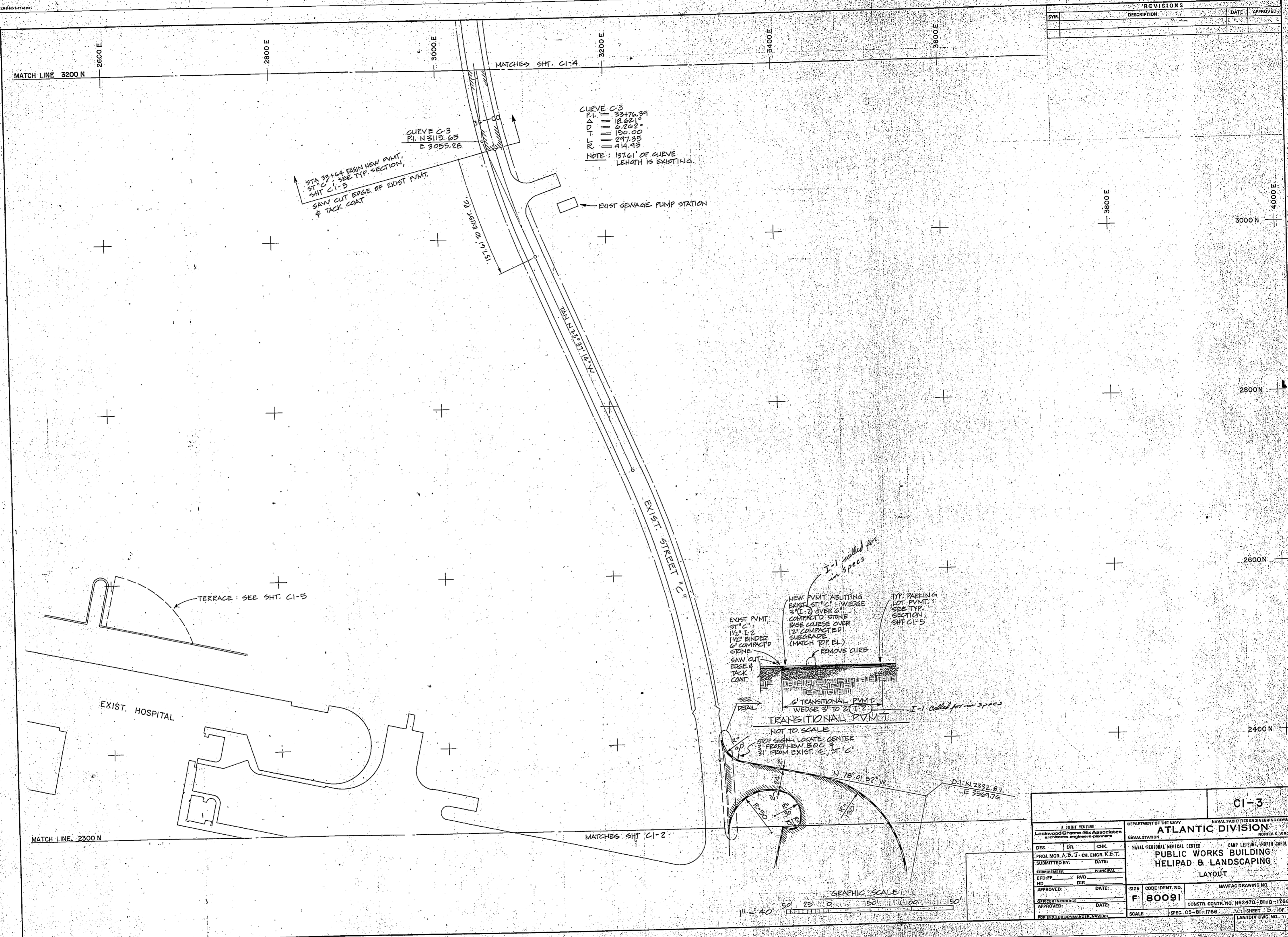


TYPICAL SIDEWALK DETAILS NOT TO SCALE



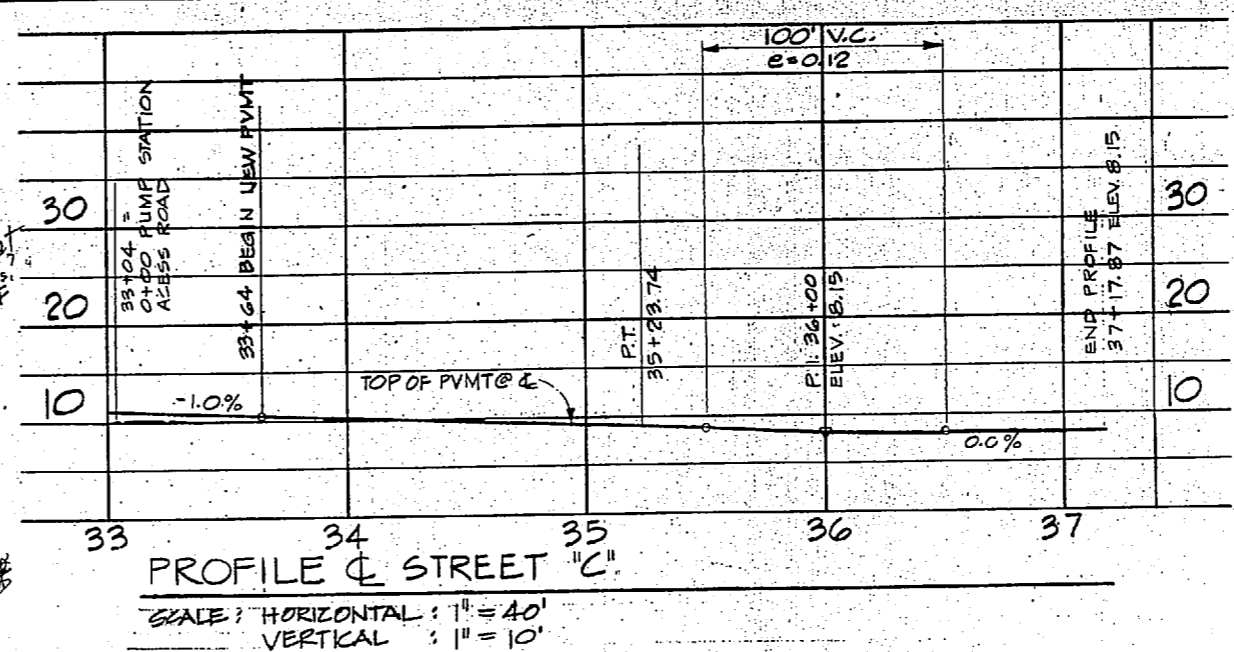
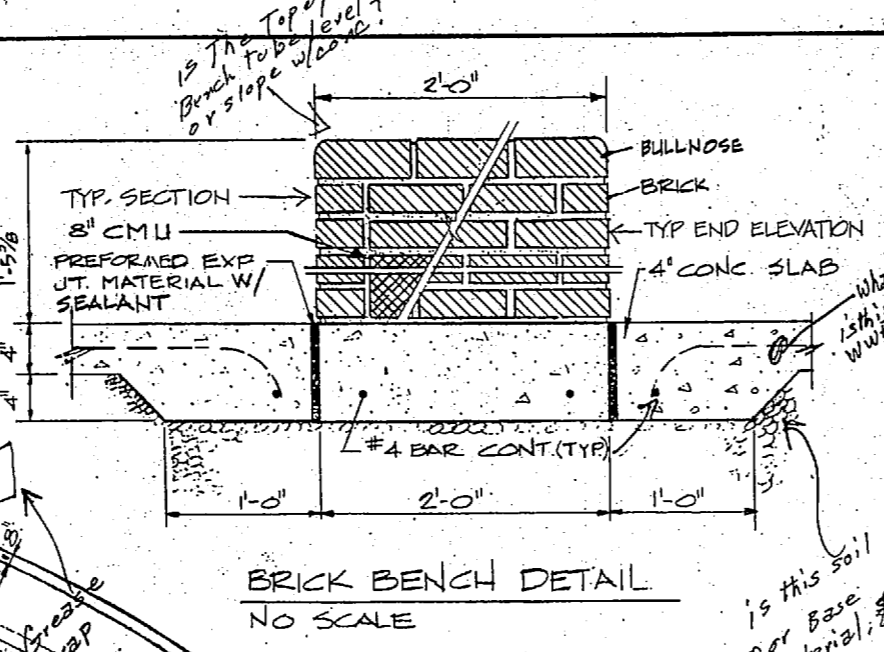
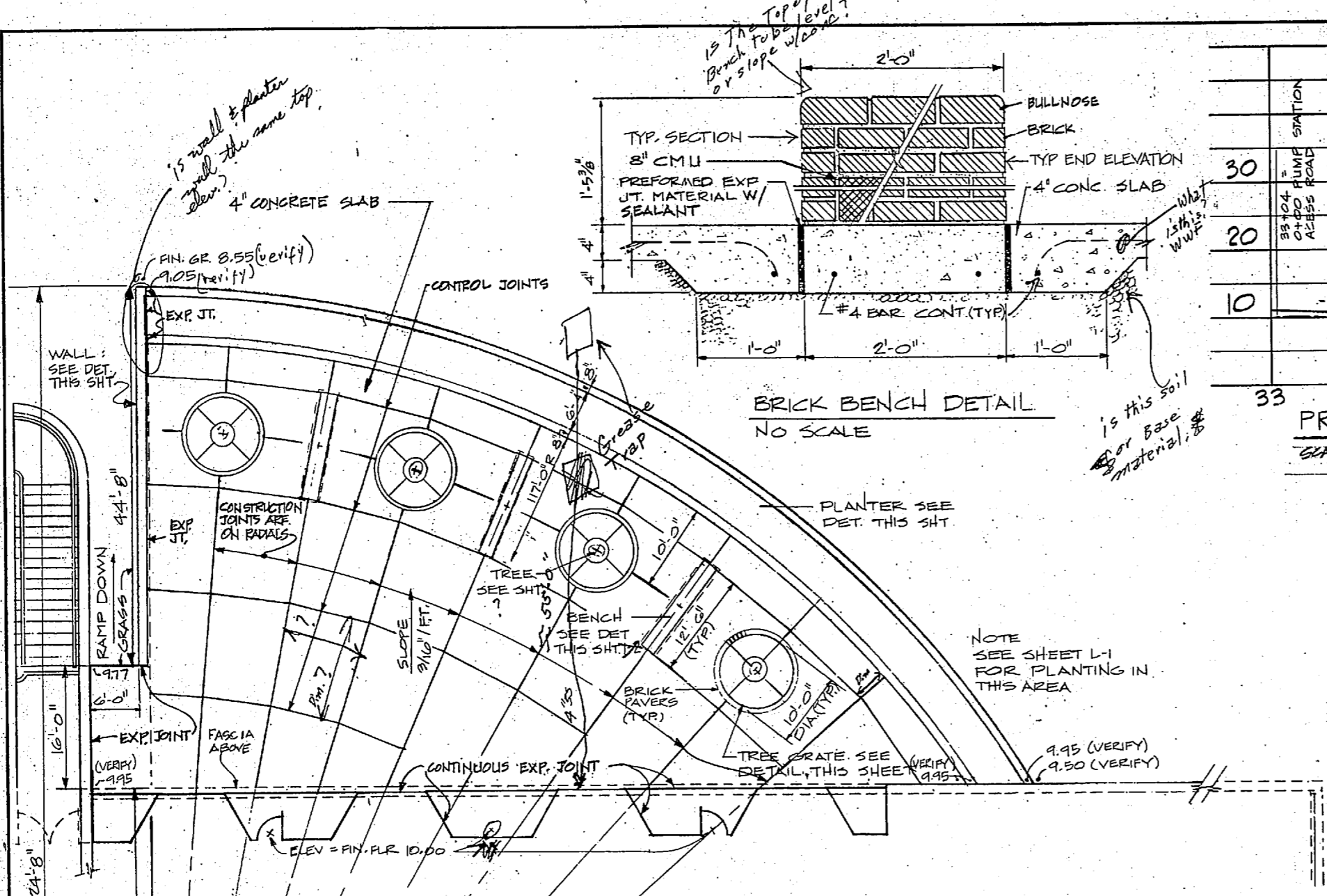
C1-2		NAVFAC DIVISION	
DEPARTMENT OF THE NAVY		NAVAL FACILITIES ENGINEERING COMMAND	
NAVAL STATION		NAVAL REGIONAL MEDICAL CENTER	
PUBLIC WORKS BUILDING		CAMP LEJEUNE - NORTH CAROLINA	
HELIPAD & LANDSCAPING		LAYOUT & DETAILS	
DESIGNED BY: DR. CHK.	DATE: _____	SIZE: F 80091	CODE IDENT. NO. NAVFAC DRAWING NO.
PROJ. MGR. A.B.S. CH. ENGR. P.E., T.	DATE: _____	CONSTR. CONTR. NO. N62470-81-B-1756	SHEET 4 OF 57
SUBMITTED BY: _____	DATE: _____	SCALE: _____	SPEC. 08-81-1766
NO. _____	DATE: _____	LAYOUT DWG. NO. _____	



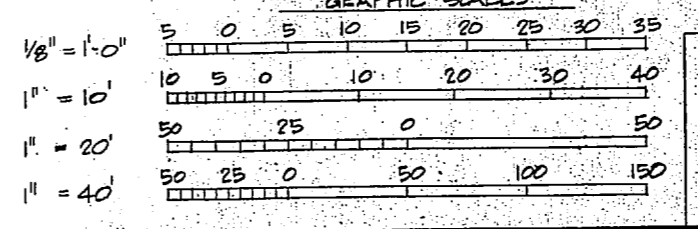
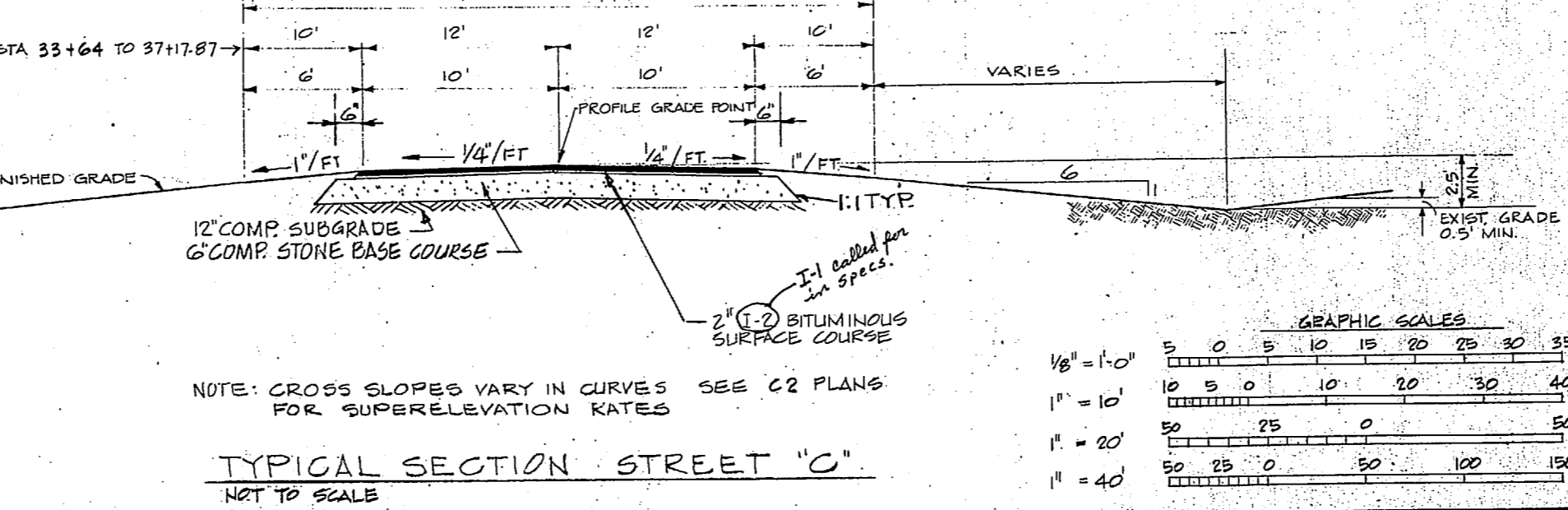
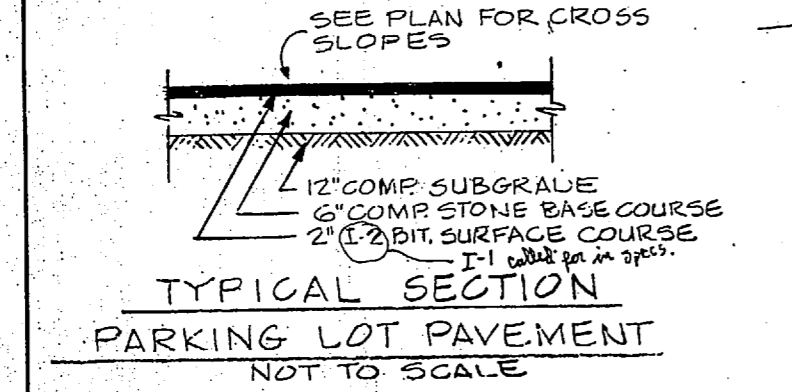
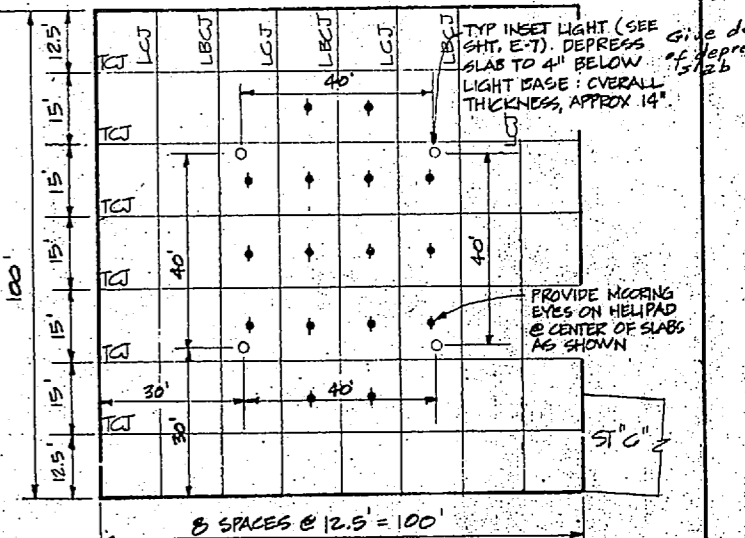
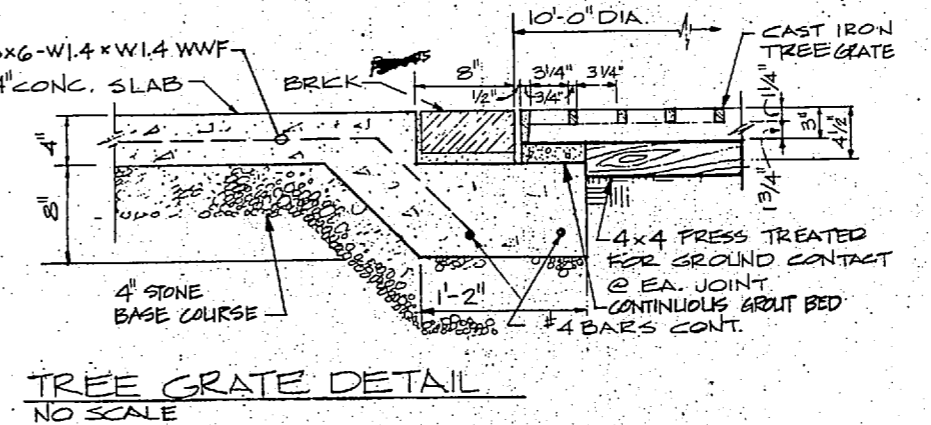
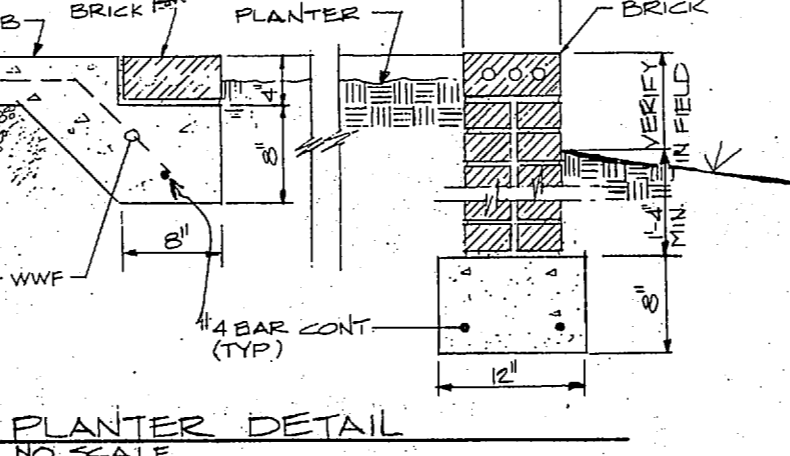
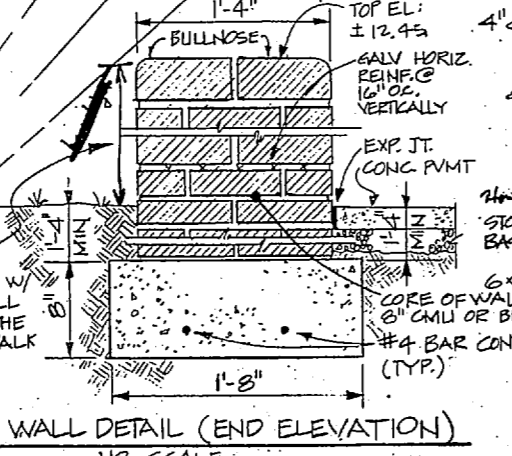
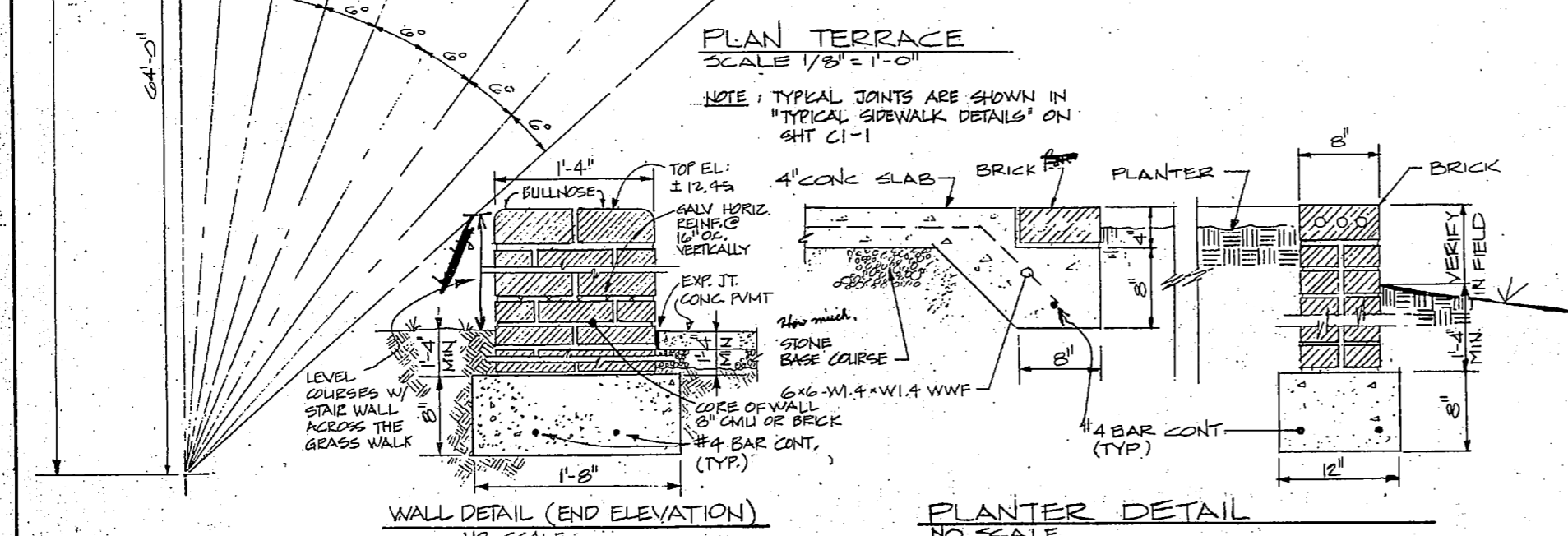
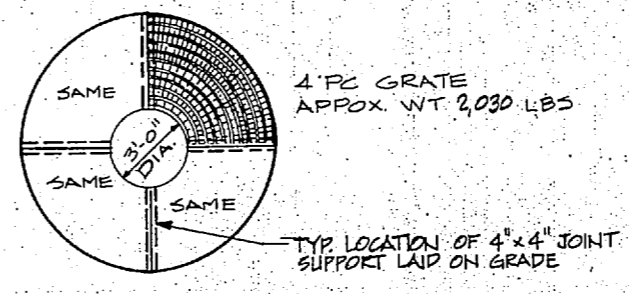
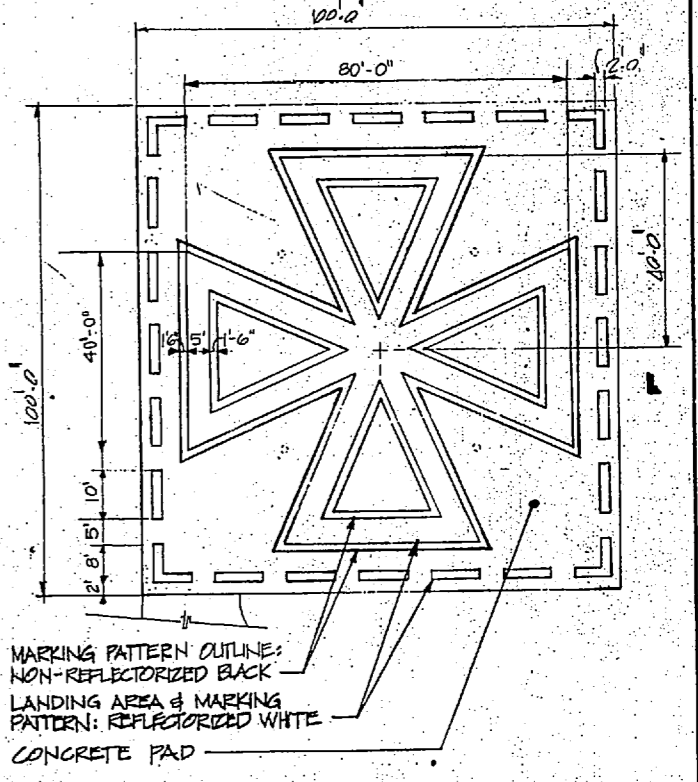


ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND NORFOLK, VIRGINIA	
DEPARTMENT OF THE NAVY NAVAL STATION NAVAL REGIONAL MEDICAL CENTER CAMP LEJEUNE, NORTH CAROLINA	
PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING LAYOUT	
DES. DIR. CHC. PROJ. MGR. A.B. J. CH. ENGR. R.E.T. SUBMITTED BY: DATE: CHECKED BY: PRINCIPAL EFD-PP RVD HD DIR	APPROVED: DATE: OFFICER IN CHARGE: DATE: APPROVED: DATE: FOR TYPING COMMANDER, NAVFAC
SIZE: F 80091 SCALE: SPEC. 05-81-1766	NAVFAC DRAWING NO. CONSTR. CONTR. NO. N62470-81-B-1766 SHEET 5 OF 37 LAND DIV. DWG. NO.

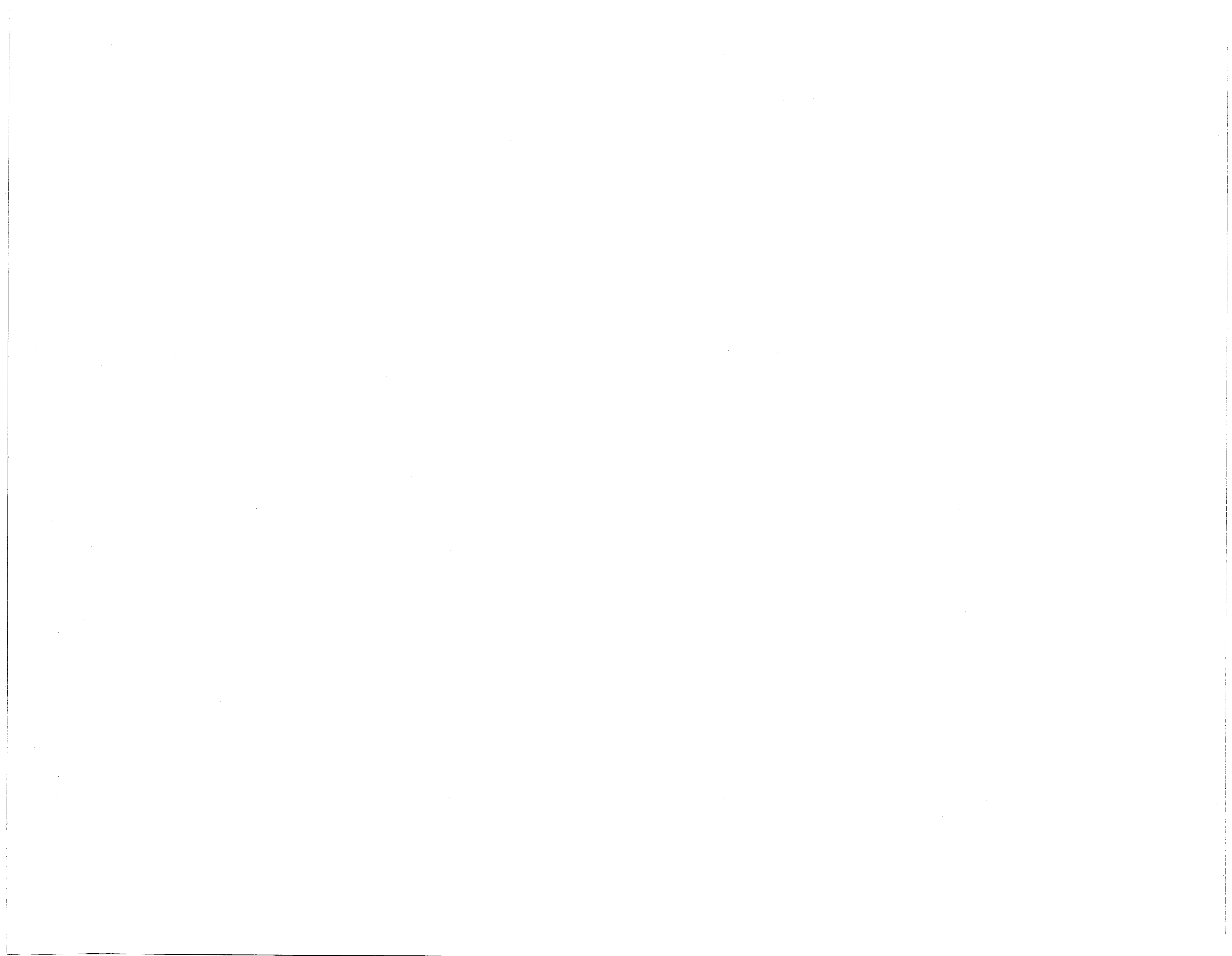


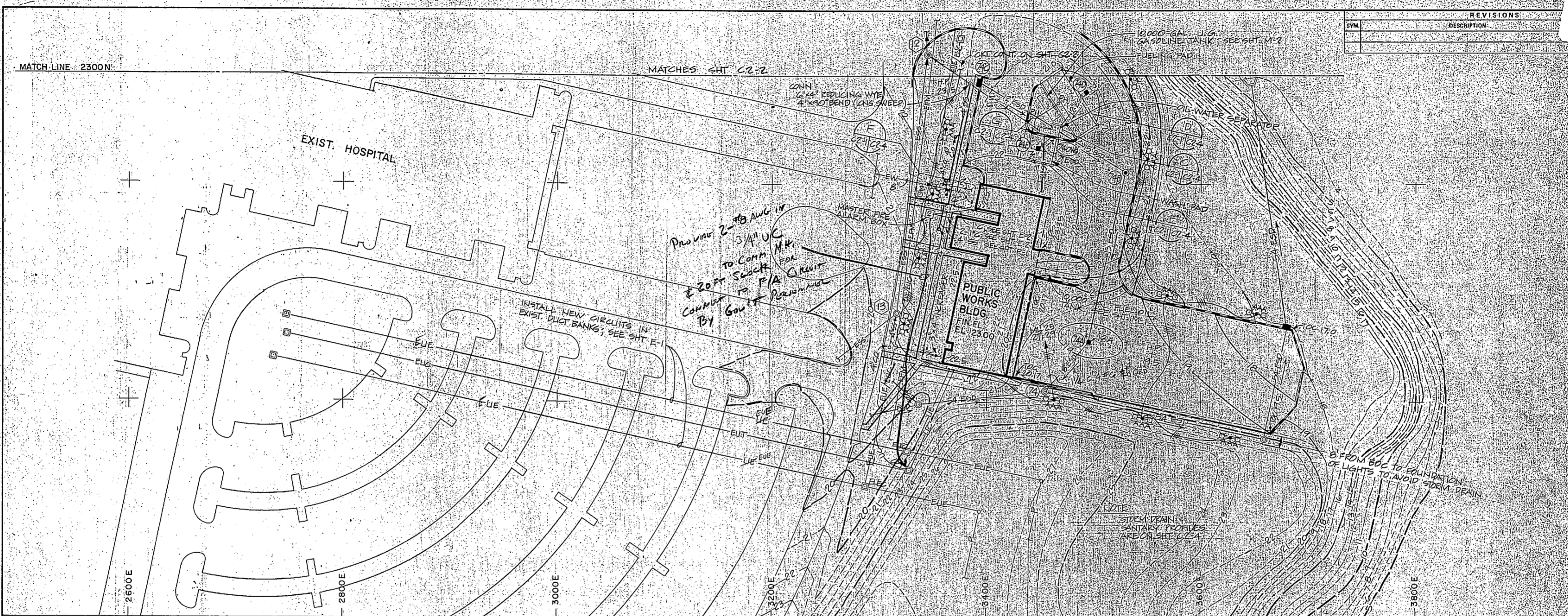


REVISIONS		
NO.	DESCRIPTION	DATE

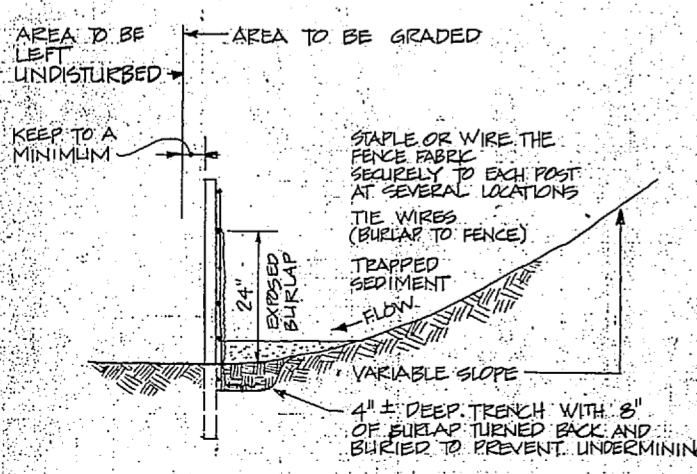
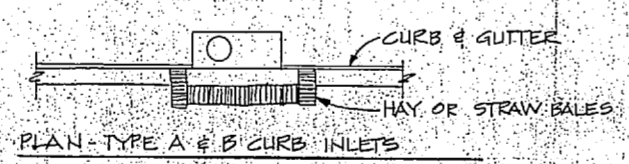
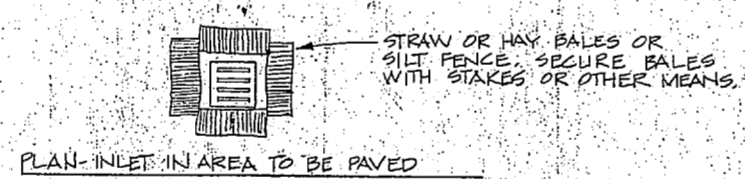
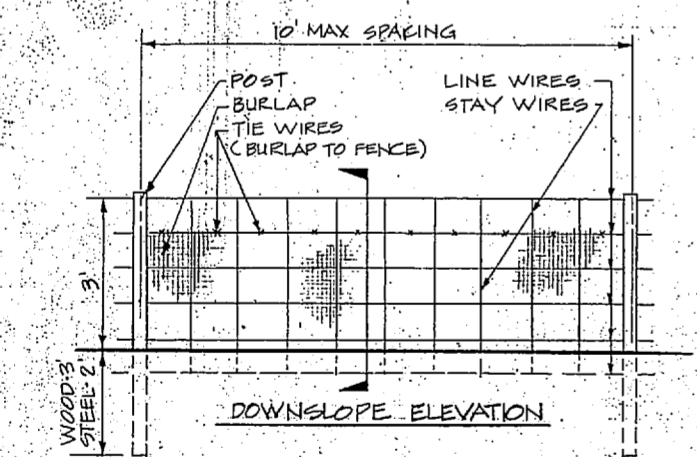


4 JOINT VENTURE Lockwood Greene-Gil Associates architects-engineers-planners		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NORFOLK, VIRGINIA	
DES. DR. CHK. PROJ. MGR. A.B.J. CH. ENGR. R.E.T. SUBMITTED BY: DATE: FOR MESSAGES: PRINCIPAL FOR OFF: RVD NO. DIR.		NAVAL REGIONAL MEDICAL CENTER CAMP LEJEUNE, NORTH CAROLINA PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING TERRACE, ROAD PROFILE & DETAILS	
APPROVED: DATE: OFFICER IN CHARGE APPROVED: DATE:		SIZE: CODE IDENT. NO.: NAVFAC DRAWING NO. F 80091 CONSTR. CONTR. NO. N 62470-B1-5-1766 SCALE: SPEC. 05-B1-1766 SHEET 7 OF 11	



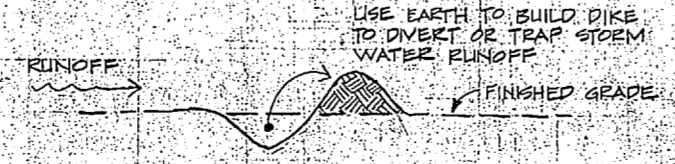


REVISIONS	
SYMBOL	DESCRIPTION



NOTE: THESE BARRIERS ARE NOT SHOWN ON C1 OR C2 SHOTS, BUT AN APPROPRIATE BARRIER IS REQ'D AT EVERY INLET.

TYPICAL PLANS - SILT BARRIERS AT STORM DRAIN INLETS
NOT TO SCALE



TYPICAL SECTION - TEMPORARY EARTH STORMWATER DIVERSION
NOT TO SCALE

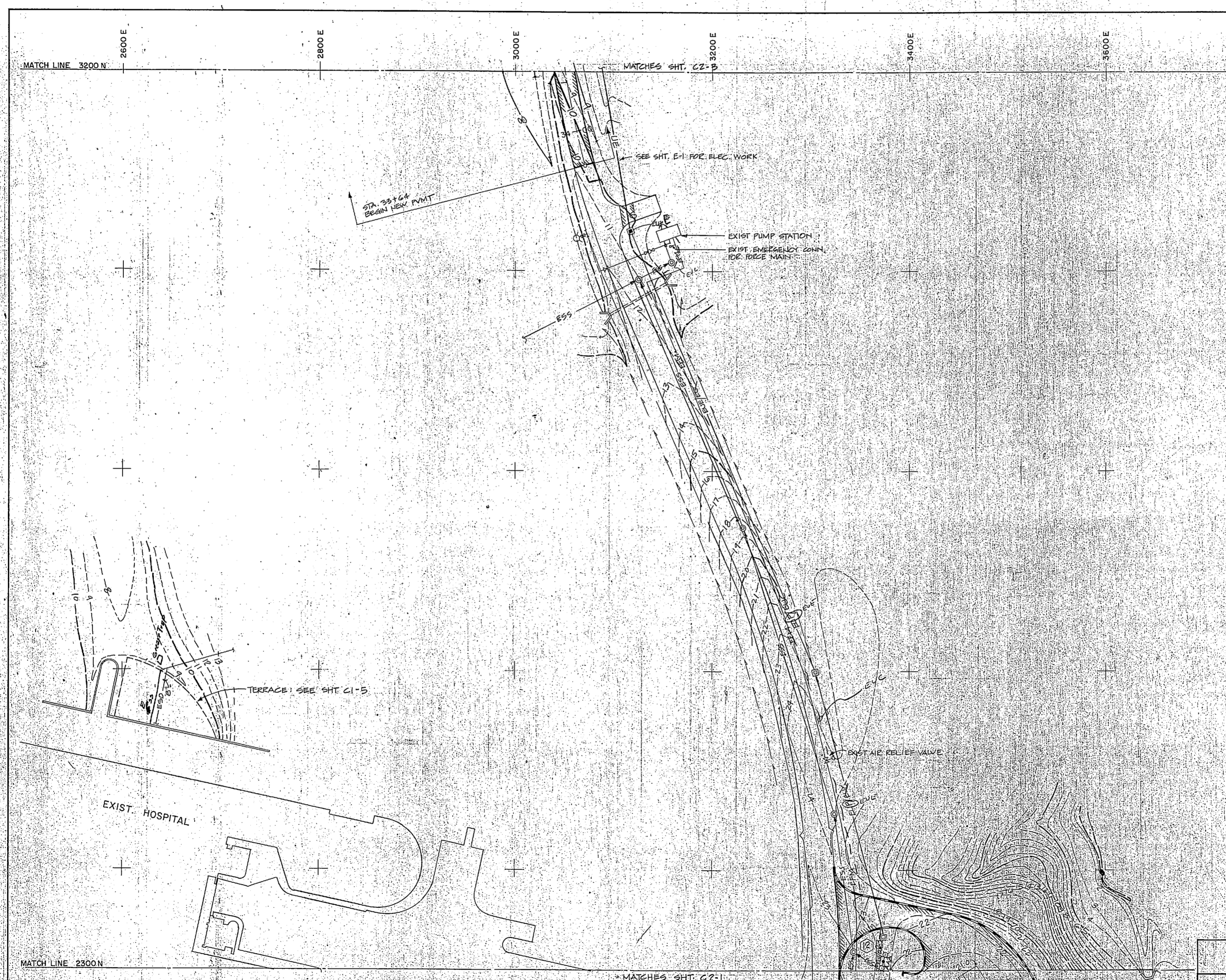
- NOTES:**
1. FINISHED GRADE AT BUILDINGS IS GENERALLY 6" BELOW FINISHED FLOOR, EXCEPT AT SLOPED WALKS.
 2. SEE DRAWG. C2-4 FOR PROFILES OF STORM DRAINS.
 3. LANDFILL PLATES APPLICABLE TO THIS WORK ARE SS-3 - STANDARD CURB INLET TYPE 'B' AND SS-3 - CLEANOUT DETAIL.
 4. IN CASE OF UNDERGROUND CONFLICTS, THE FOLLOWING PRIORITIES SHALL APPLY (HIGHEST TO LOWEST ORDER):
 - A. GRAVITY STORM DRAINS, SANITARY SEWERS
 - B. ELECTRICAL DUCT BANKS
 - C. FORCE MAINS & WATER MAINS, FIRE LINES
 - D. NEW TREES & SHRUBS
 - E. ALL OTHER UNDERGROUND SERVICES
 5. IN ADDITION TO MATING FOR EROSION CONTROL, IN THE SLOPE AREAS INDICATED ON THE PLANS, MATING & WIRE SHALL BE PLACED IN THE INVERTS OF ALL DRAINAGE DITCHES AND SWALES.



DEPARTMENT OF THE NAVY ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND NAVAL STATION NORFOLK, VIRGINIA	
PROJECT: PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING GRADING, DRAINAGE & UTILITIES	
DESIGNED BY: CHM DRAWN BY: CHM CHECKED BY: CHM DATE:	SHEET NO.: 80091 SHEET TOTAL: 9



SPARTAN BLUEPRINTERS 800 775 6871



REVISIONS	
SYM.	DESCRIPTION

MATCH LINE 2300N

MATCHES SHT. C2-1

DESIGNED BY: J. J. VENTURA CHECKED BY: J. J. VENTURA SUBMITTED BY: J. J. VENTURA DATE: 11/15/00		DEPARTMENT OF THE NAVY ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND NAVAL STATION 03170 NORFOLK, VIRGINIA	
APPROVED: [Signature] DATE: 11/15/00		NAVAL REGIONAL MEDICAL CENTER CAMP LEJEUNE, NORTH CAROLINA PUBLIC WORKS BUILDING HELIPAD 'B' LANDSCAPING GRADING, DRAINAGE & UTILITIES	
OFFICE IN CHARGE: [Signature] DATE: 11/15/00		SEE CODE IDENT. NO. F 80091 NAVFAC DRAWING NO. 1100-000-0000 CONSTRUCTION NO. 62470-015-0100 SCALE: 1" = 10' SHEET: 9 OF 27	



C2-2

NAVAL FACILITIES ENGINEERING COMMAND
 NAVAL STATION 03170
 NORFOLK, VIRGINIA



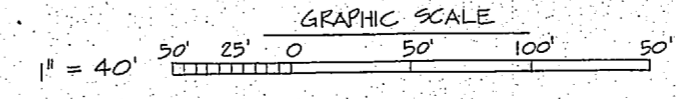
SPARTAN BLUEPRINTERS 600 1/2 6801

REVISIONS	
SYM	DESCRIPTION



MATCH LINE 3200 N

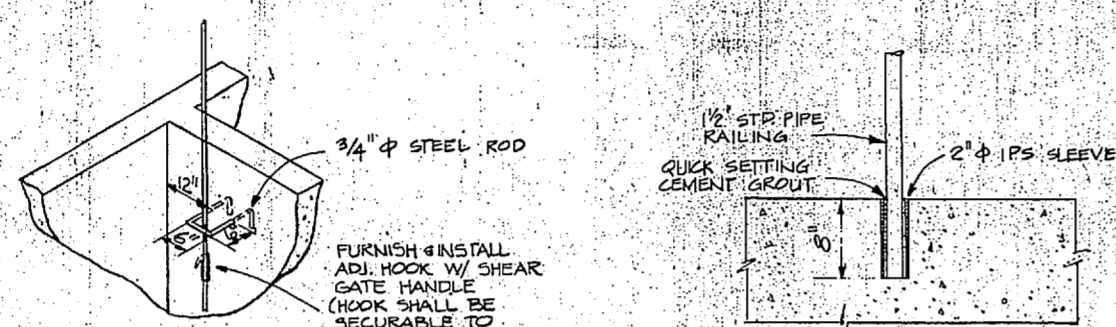
MATCHES SHT. C2-2



1 10111 YENTRE Lockwood Greene-Six Associates architects-engineers-planners		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VIRGINIA	
DES.	DR.	CHK.	NAVAL REGIONAL MEDICAL CENTER CAMP LEJEUNE, NORTH CAROLINA
PROJ. MGR. A. B. J. CH. ENGR. K.E.T.		PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING GRADING, DRAINAGE & UTILITIES	
SUBMITTED BY:	DATE:	SIZE	CODE IDENT. NO.
FOR MEMBER	PRINCIPAL	F	80091
ED. BY	DIR	NAVFAC DRAWING NO.	
APPROVED:	DATE:	CONSTR. CONTR. NO. N 62470-81-D-1768	
SUPERVISOR	DATE:	SHEET 10 OF 37	
APPROVED:	DATE:	SCALE	SPEC. 05-81-1766
FILED FOR COMMANDER, NAVFAC		LANTDIV DWG. NO.	

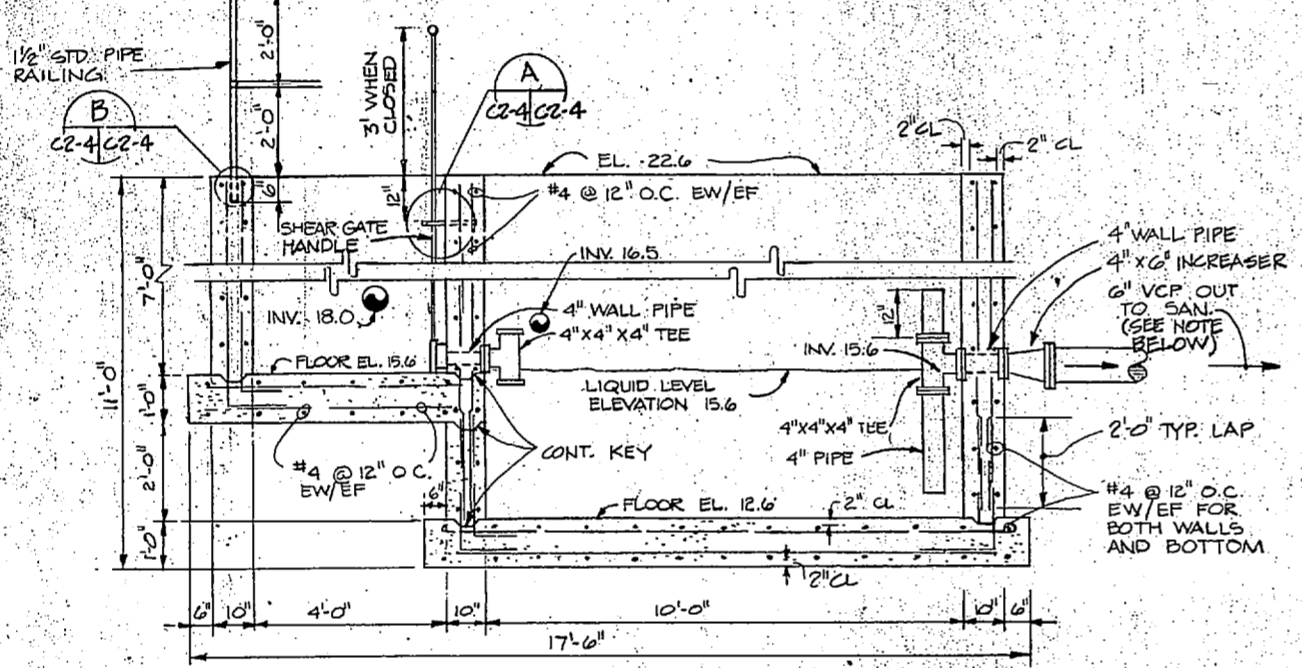
C2-3



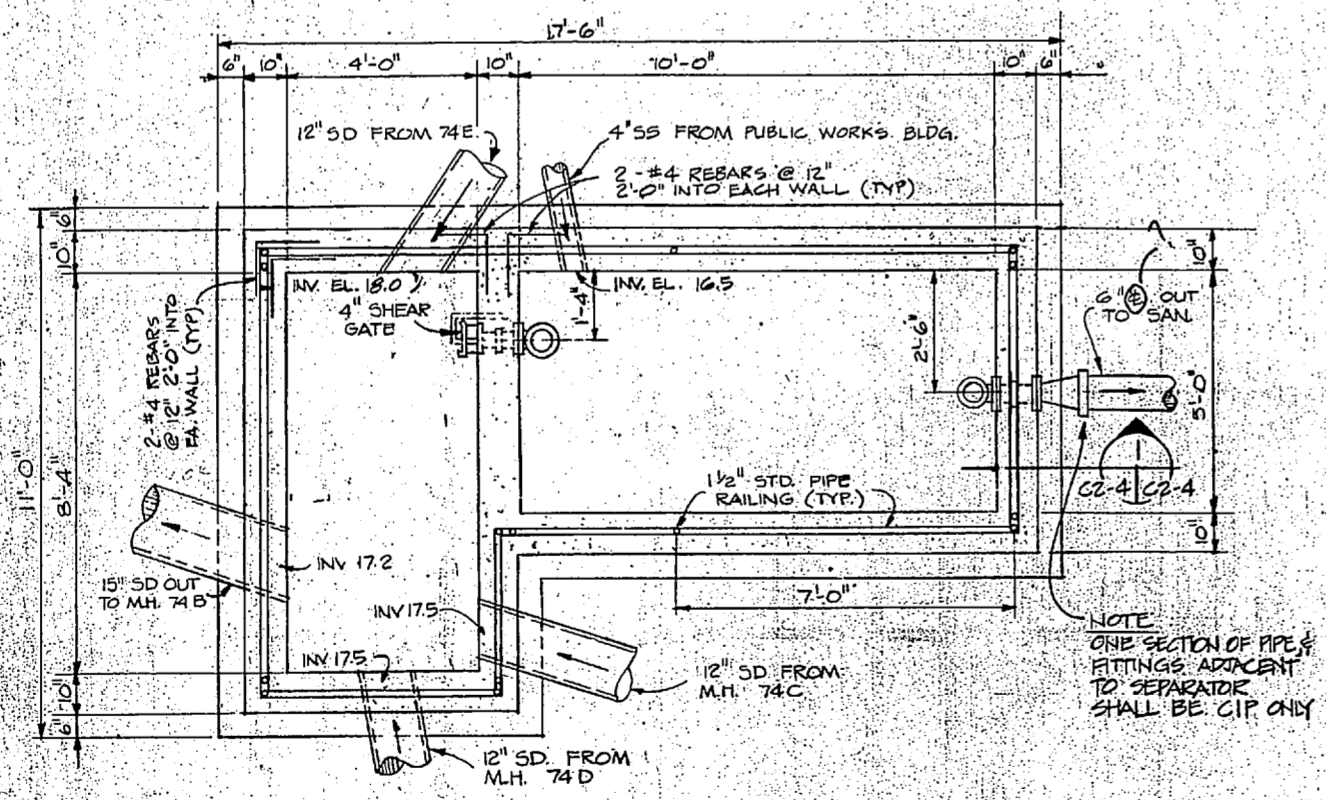


A DETAIL - SHEAR GATE HANDLE
C2-4/C2-4 NOT TO SCALE

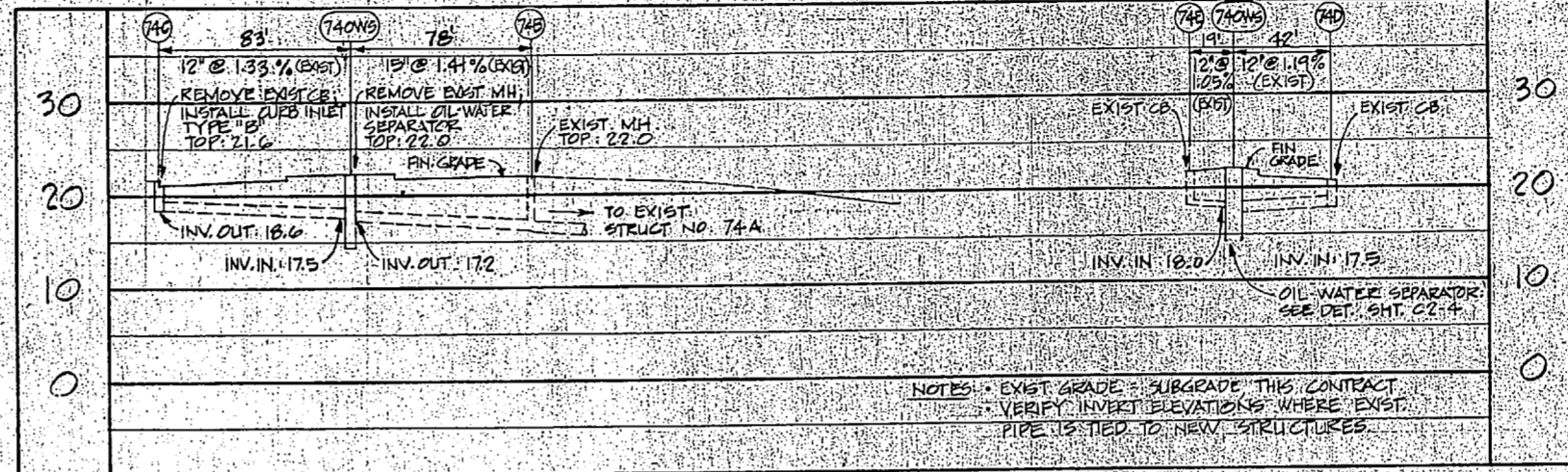
B DETAIL - PIPE RAILING
C2-4/C2-4 NOT TO SCALE



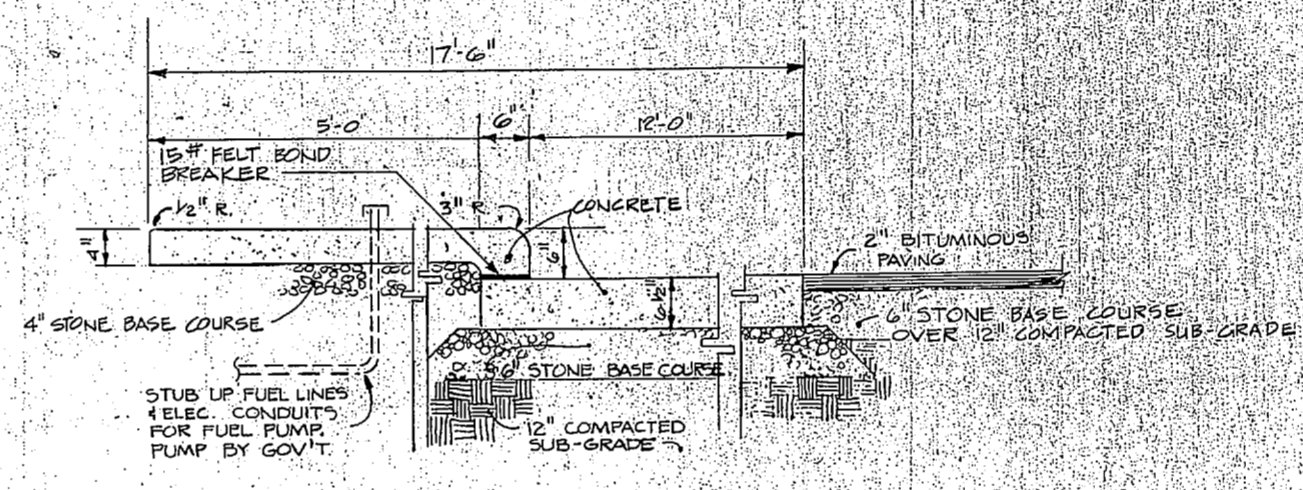
I SECTION - OIL/WATER SEPARATOR
C2-4/C2-4 SCALE: 1/2" = 1'-0"



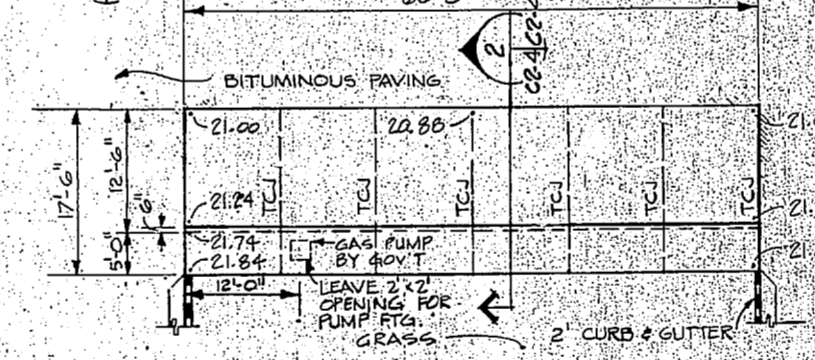
C DETAIL - OIL/WATER SEPARATOR
C2-1/C2-4 SCALE: 1/2" = 1'-0"



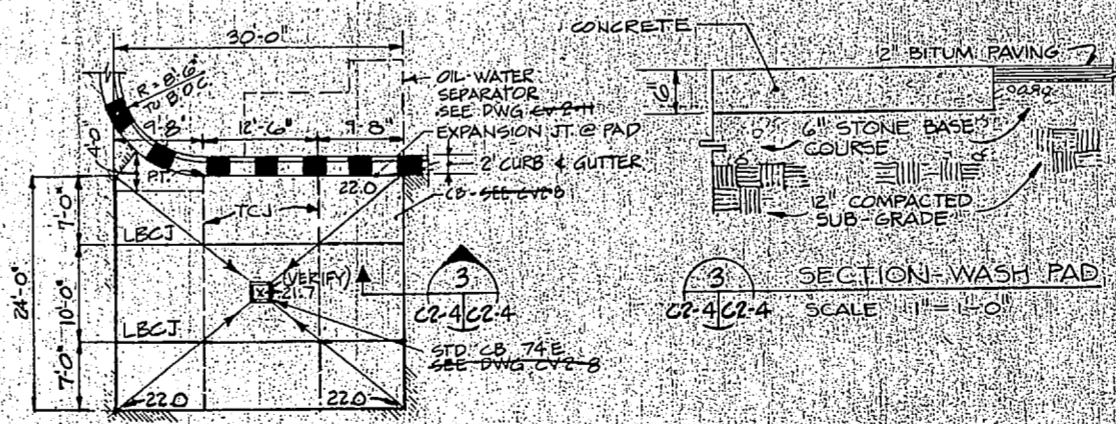
STORM DRAIN PROFILES
SCALE: HORIZ. 1" = 40'
VERT. 1" = 10'



2 SECTION - FUELING PAD
C2-4/C2-4 SCALE: 1" = 10'-0"



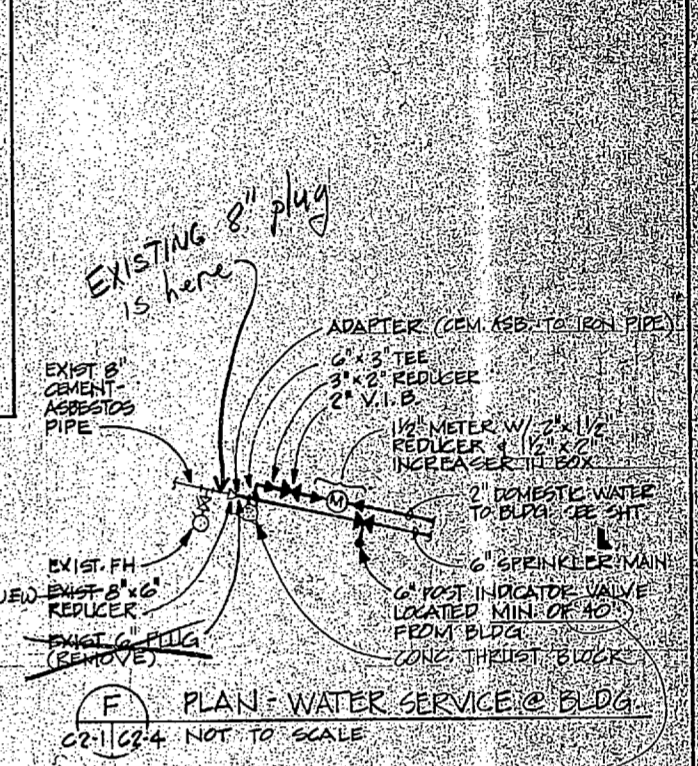
D DETAIL - FUELING PAD
C2-1/C2-4 SCALE: 1" = 10'-0"



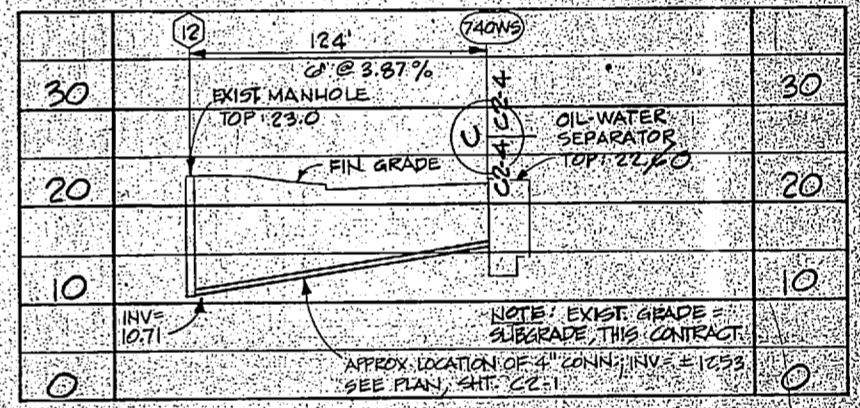
3 SECTION - WASH PAD
C2-4/C2-4 SCALE: 1" = 10'-0"

E DETAIL - WASH PAD
C2-1/C2-4 SCALE: 1" = 10'

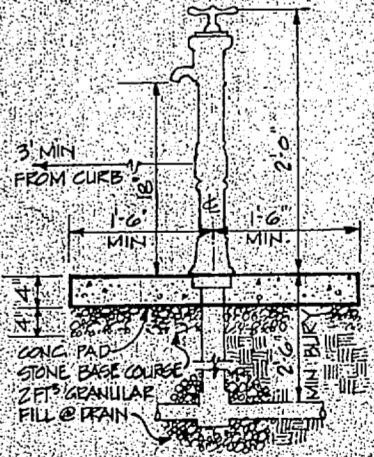
REVISIONS		DATE	APPROVED



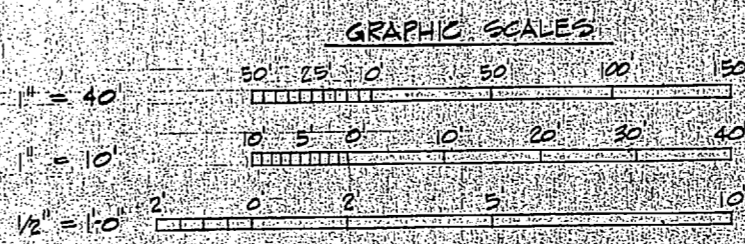
F PLAN - WATER SERVICE @ BLDG.
C2-1/C2-4 NOT TO SCALE



SANITARY PROFILE
SCALE: HORIZ. 1" = 40'
VERT. 1" = 10'



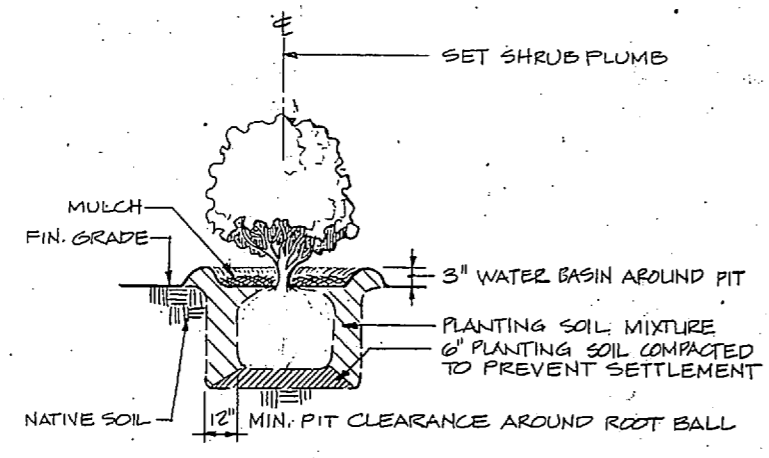
G DETAIL - POST HYDRANT
C2-1/C2-4 NOT TO SCALE



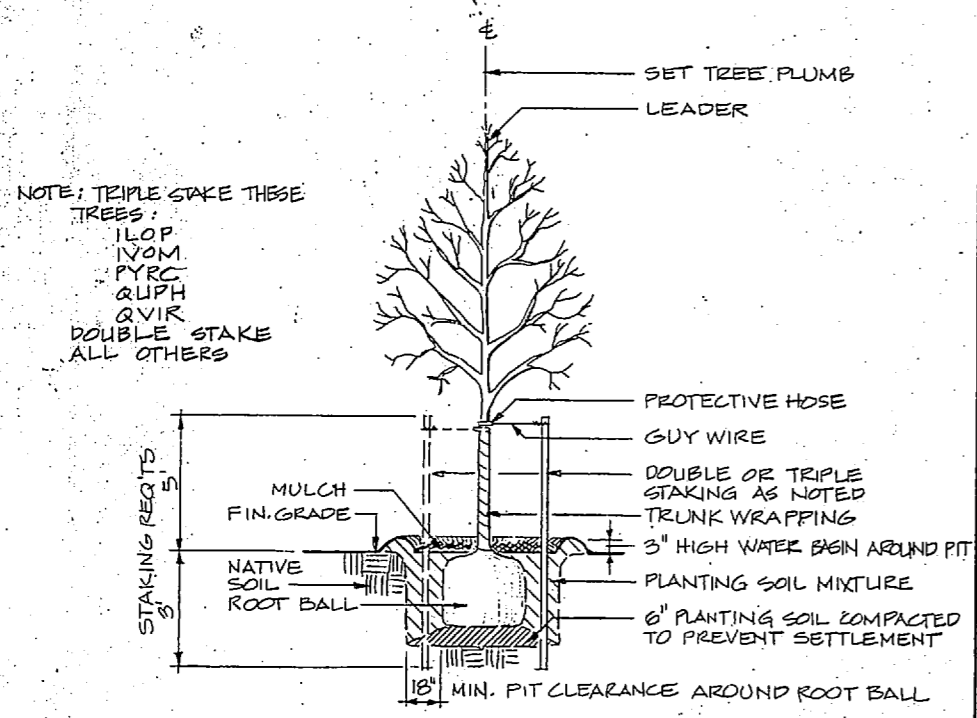
C2-4	
ATLANTIC DIVISION	
DES. DR. CHK.	DATE
PROJ. MGR. A.B.J. CLEMENS, P.E.T.	DATE
APPROVED: _____	DATE: _____
OFFICER IN CHARGE: _____	DATE: _____
SCALE: 1/8" = 1'-0"	NAVAFAC DRAWING NO. F 80091
CONSTR. CONTR. NO. N629705-815-B-768	SHEET 13 OF 37



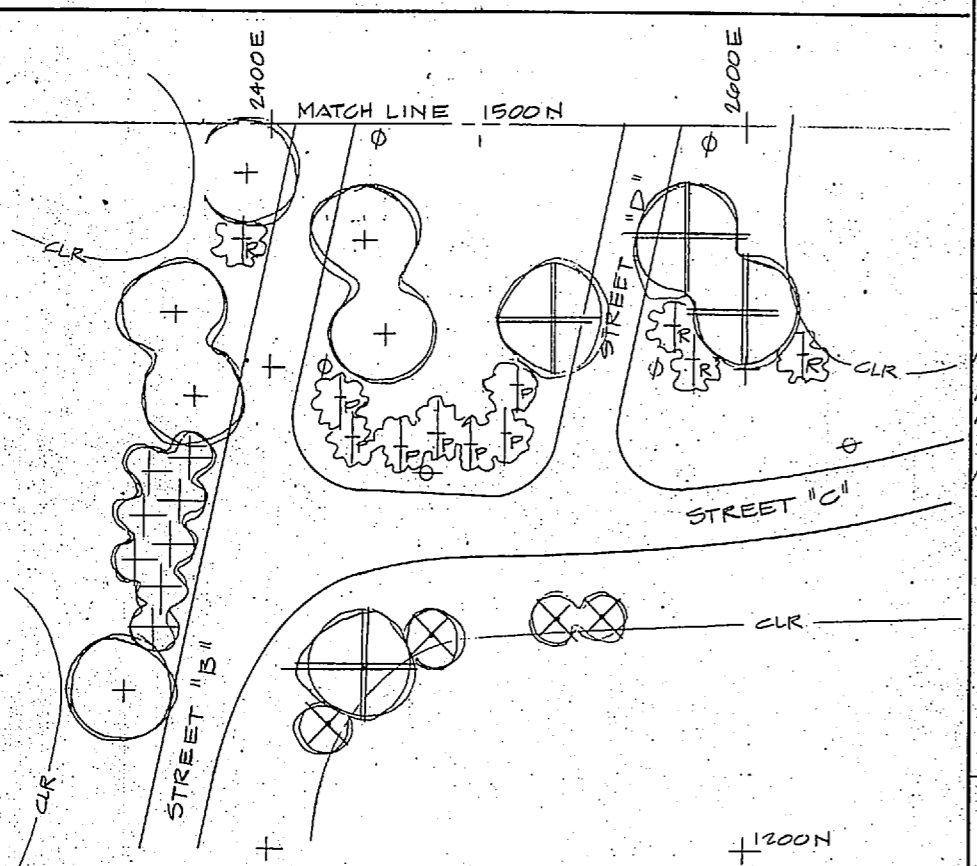




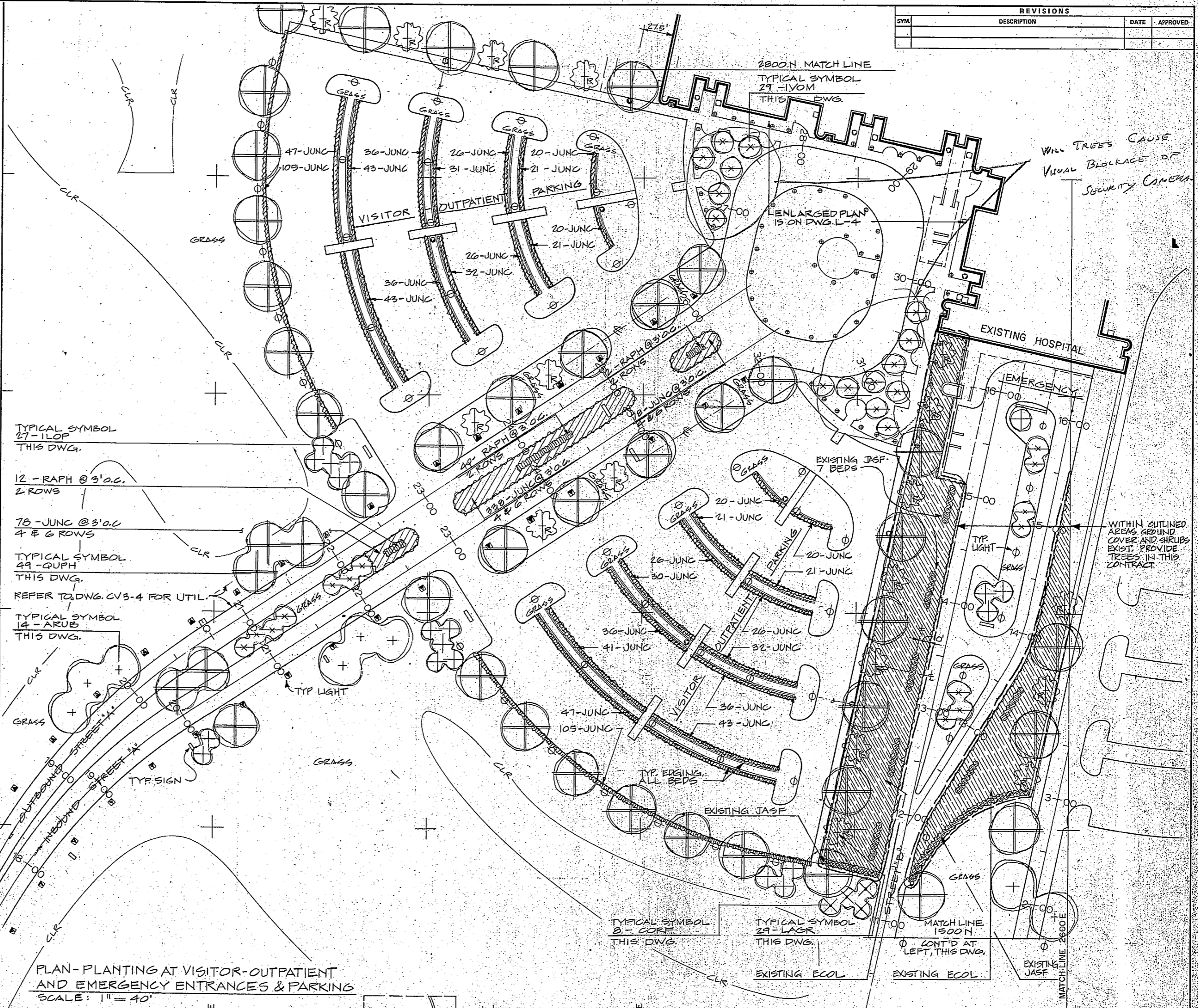
TYPICAL SHRUB PLANTING DETAIL
NOT TO SCALE



TYPICAL TREE PLANTING DETAIL
NOT TO SCALE

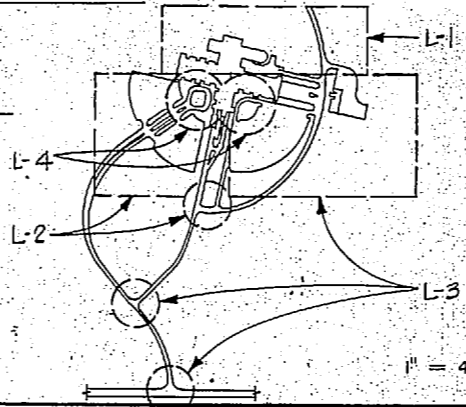


A CONTINUATION OF PLAN TO THE RIGHT ON THIS DWG.
PLANT SYMBOLS AND TOTALS ARE INDICATED THEREON

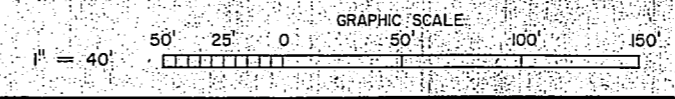


PLAN-PLANTING AT VISITOR-OUTPATIENT
AND EMERGENCY ENTRANCES & PARKING
SCALE: 1" = 40'

- EXISTING SMOKE UEN
- EXISTING TRASH REC.



SHEET KEY



REVISIONS			
SYN	DESCRIPTION	DATE	APPROVED

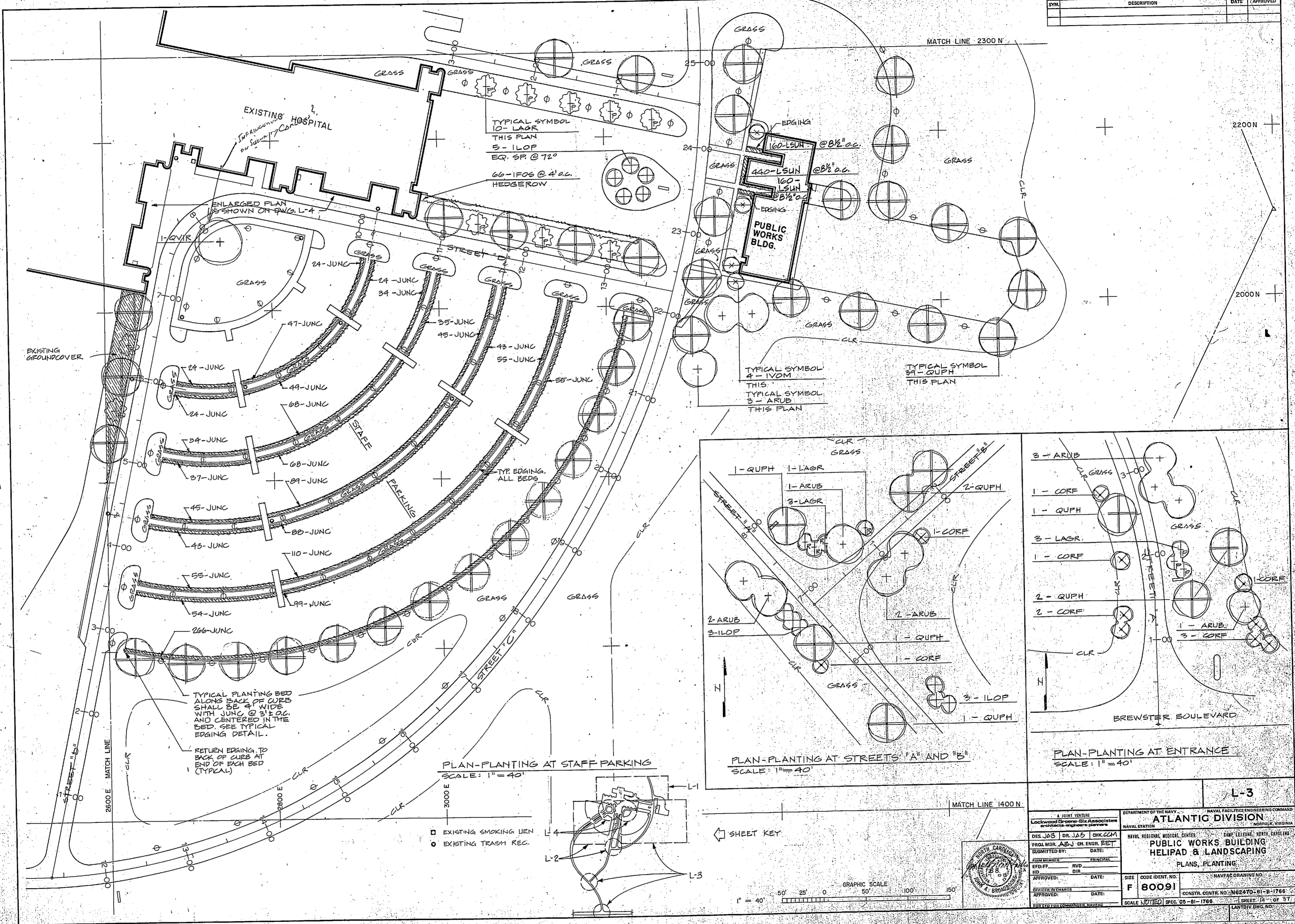
WILL TREES CAUSE
VISUAL BLOCKAGE OF
SECURITY CAMERA?

L-2

10101 YANTON Lockwood Greene-Ell Associates architects-engineers-planners		DEPARTMENT OF THE NAVY ATLANTIC DIVISION NAVAL STATION NAVAL FACILITIES ENGINEERING COMMAND NORFOLK, VIRGINIA	
DES. JAS PROJ. MGR. ABJ SUBMITTED BY:	DR. JAG CH. ENGR. PET DATE:	NAVAL REGIONAL MEDICAL CENTER PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING PLANS AND DETAILS, PLANTING	CAMP LEJEUNE, NORTH CAROLINA CONSTR. CONTR. NO. N62470-01-8-1766 SCALE NOTED: SPEC. 05-81-1766
APPROVED:	DATE:	SIZE: F 80091	NAVFAC DRAWING NO.
OFFICER IN CHARGE	DATE:	SCALE NOTED:	SHEET 13 OF 37



REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



TYPICAL SYMBOL
10-LAGR
THIS PLAN
5-ILOP
EQ. SP @ 72"
60-IFOS @ 4' O.C.
HEDGEROW

TYPICAL SYMBOL
4-IVOM
THIS PLAN
TYPICAL SYMBOL
3-ARUB
THIS PLAN

TYPICAL SYMBOL
39-QUPH
THIS PLAN

TYPICAL PLANTING BED
ALONG BACK OF CURB
SHALL BE 4' WIDE
WITH JUNC @ 3' O.C.
AND CENTERED IN THE
BED. SEE TYPICAL
EDGING DETAIL.

RETURN EDGING TO
BACK OF CURB AT
END OF EACH BED
(TYPICAL)

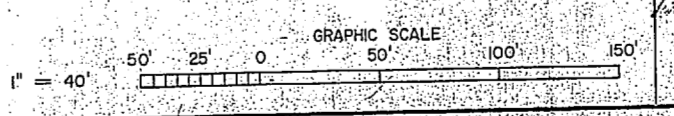
PLAN-PLANTING AT STAFF PARKING
SCALE: 1" = 40'

PLAN-PLANTING AT STREETS 'A' AND 'B'
SCALE: 1" = 40'

PLAN-PLANTING AT ENTRANCE
SCALE: 1" = 40'

- EXISTING SMOKING UEN
- EXISTING TRASH REC.

◀ SHEET KEY

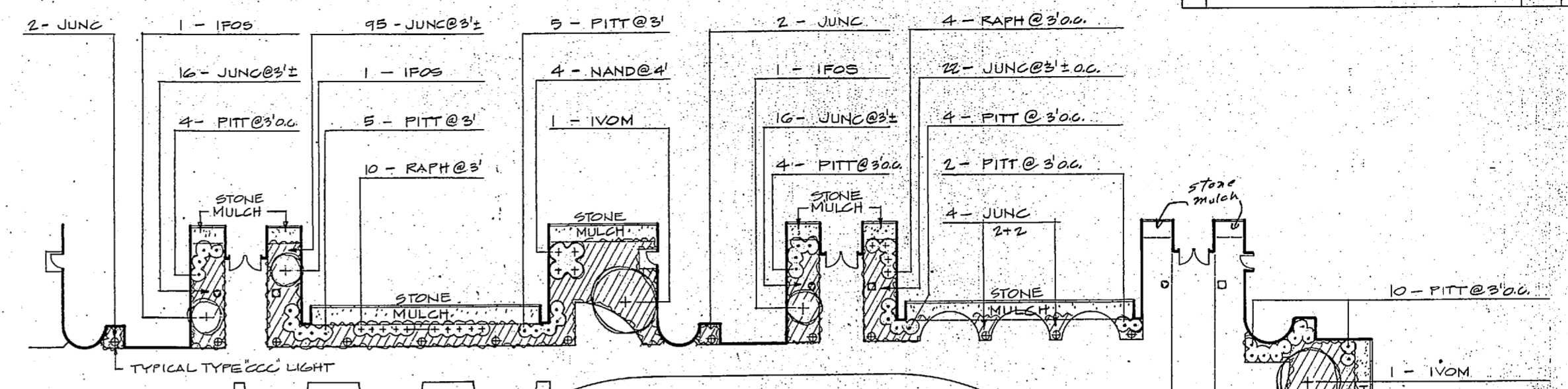
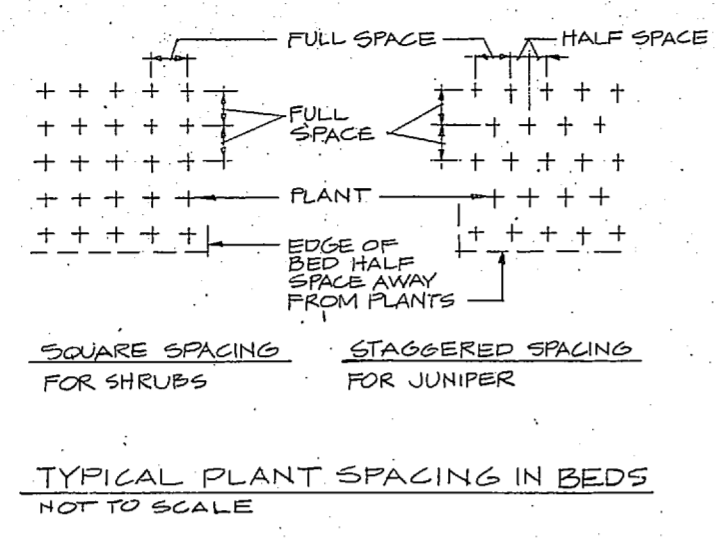


A JOINT VENTURE Lockheed Greene-De Associates architects-engineers-planners		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION CAMP LEJEUNE, NORTH CAROLINA NORFOLK, VIRGINIA	
DES. JAB	DR. JAB	CHK. CCM	
PROJ. MGR. A&J	CH. ENGR. PET		
SUBMITTED BY:	DATE:		
FIRM NUMBER:	PRINCIPAL:		
EDRFP:	RVD:		
	DIR:		
APPROVED:	DATE:	SIZE:	CODE IDENT. NO.:
		F 80091	NAVFAC DRAWING NO.
OFFICER IN CHARGE:	DATE:		CONSTR. CONTR. NO. N62470-91-P-1766
			SCALE: NOTED SPEC. 05-81-1766
			SHEET 14 OF 37
			LAST REV. DATE:

L-3

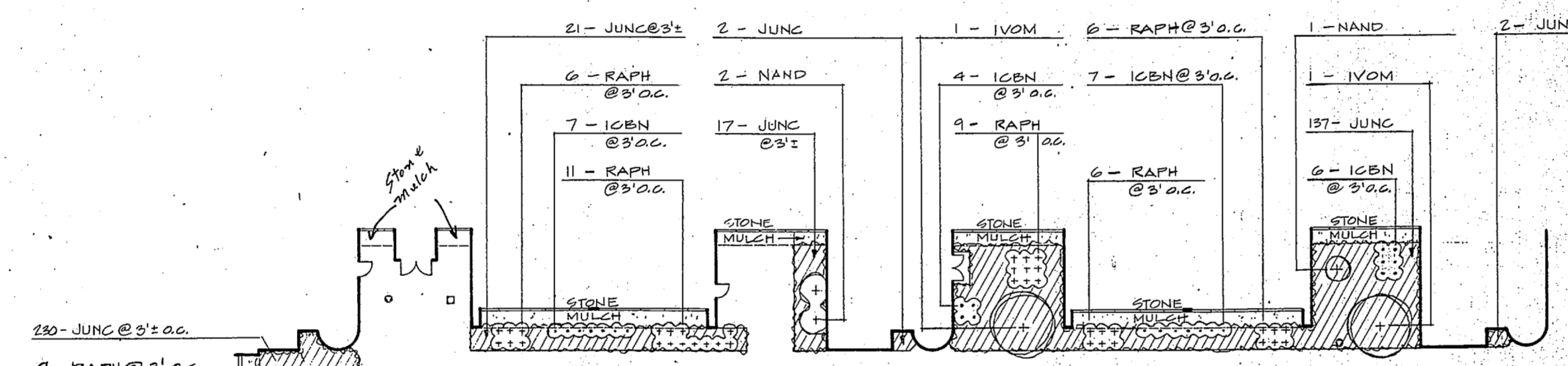


REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



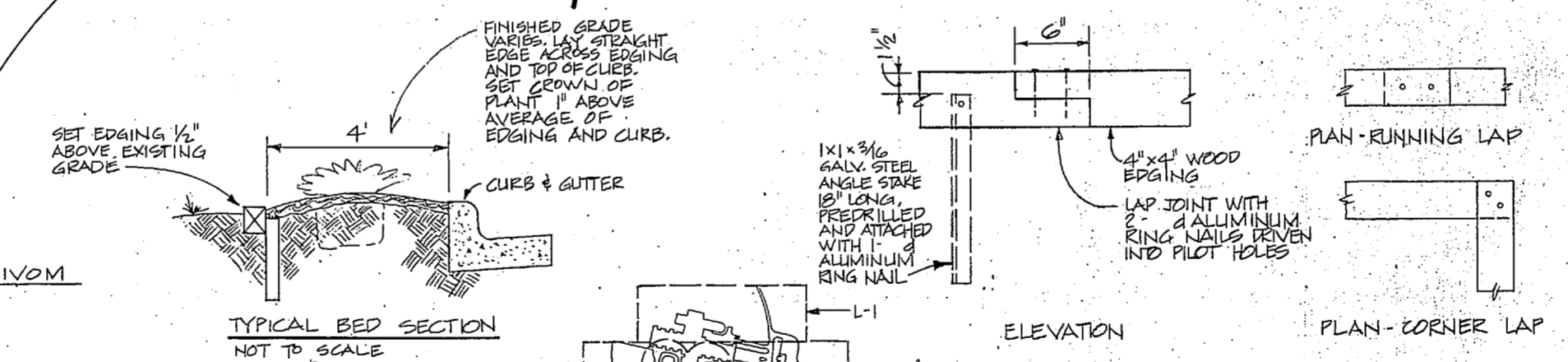
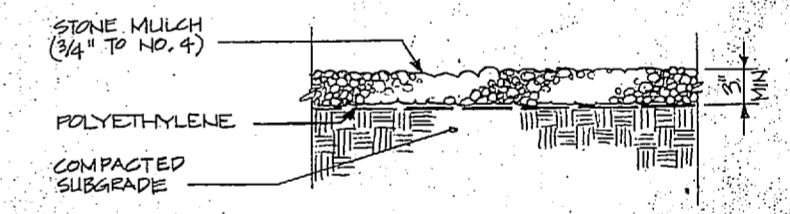
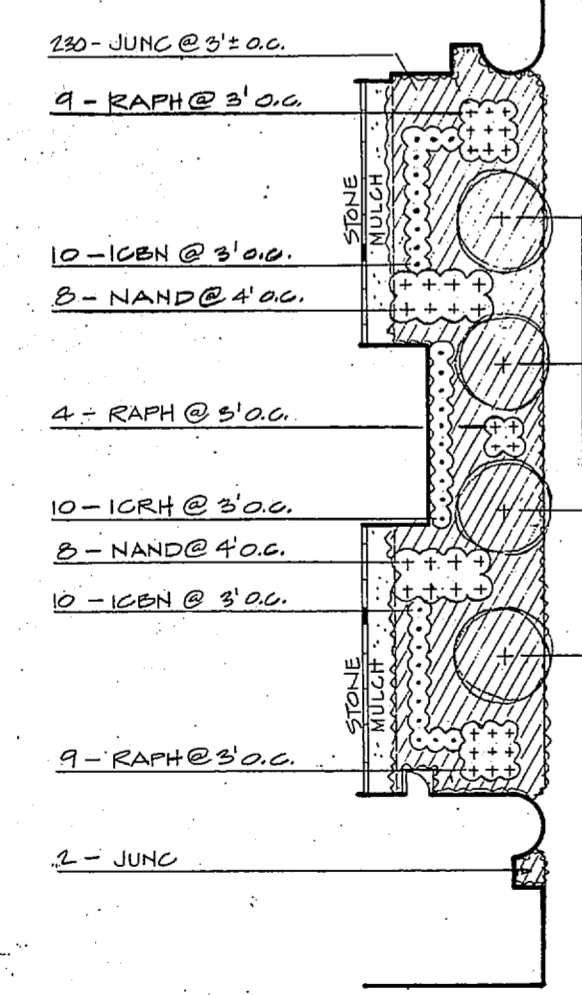
NOTE: PLAIN MULCH AREAS SHALL BE WEED FREE IN THE SAME MANNER AS PLANTED AREAS.

PLAN, PLANTING AT VISITOR-OUTPATIENT PLAZA
 SCALE: 1/16" = 1'-0"
 REFER TO DWG. L-2
 REFER TO C&M-11 FOR TRASH REC. & SMOKE URN LOC.
 □ EXL. SMOKE URN (EXISTING)
 ○ EXL. TRASH REC. (EXISTING)

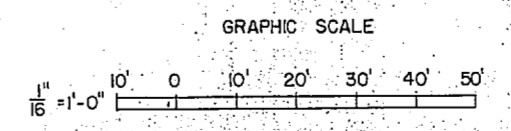
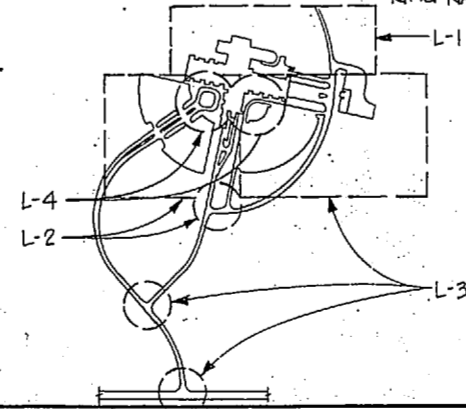


NOTE: STONE MULCH AREAS SHALL BE WEED FREE IN THE SAME MANNER AS PLANTED AREAS.

PLAN, PLANTING AT STAFF PLAZA
 SCALE: 1/16" = 1'-0"
 REFER TO DWG. L-3

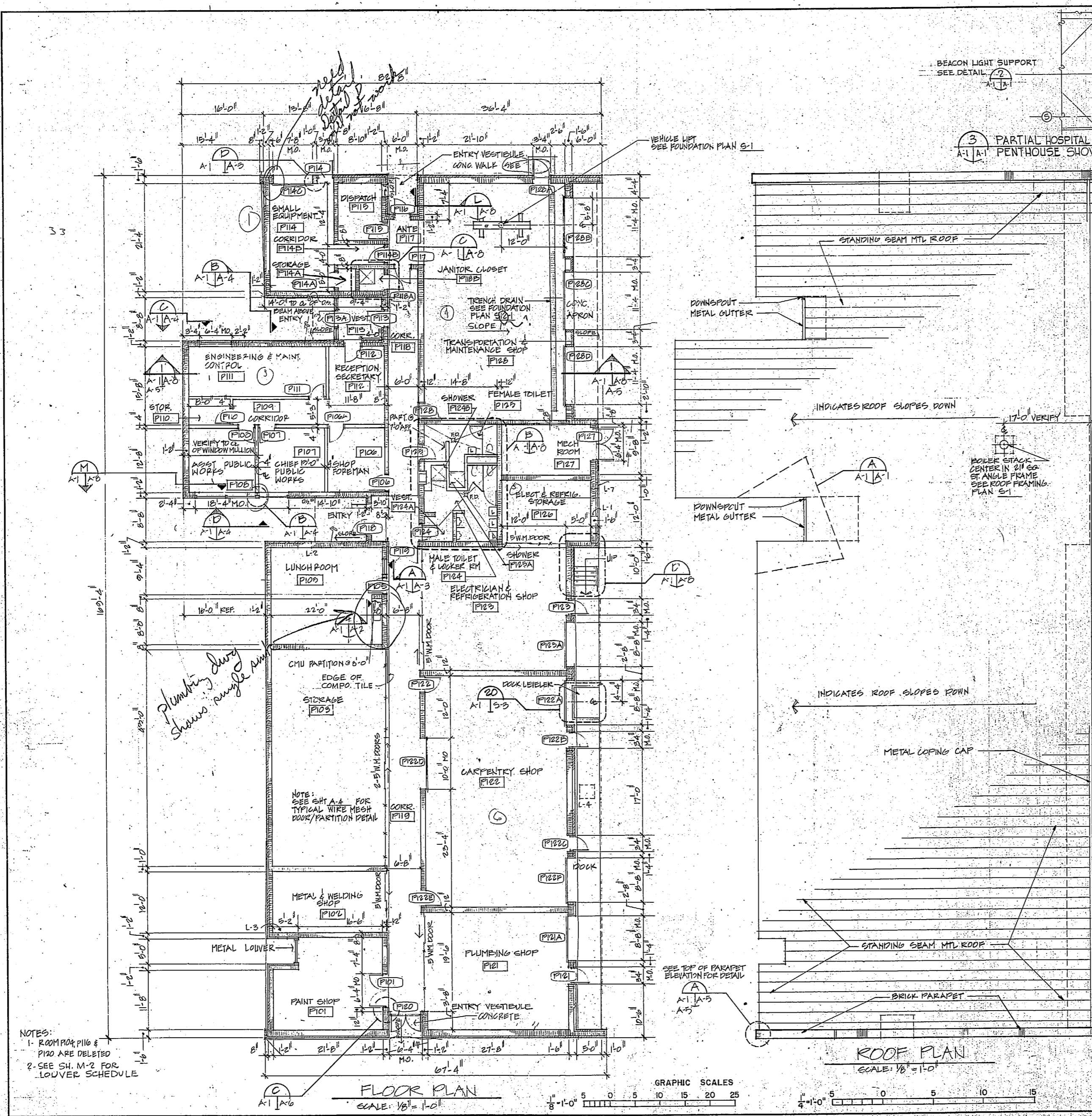


TYPICAL EDGING DETAILS
 NOT TO SCALE



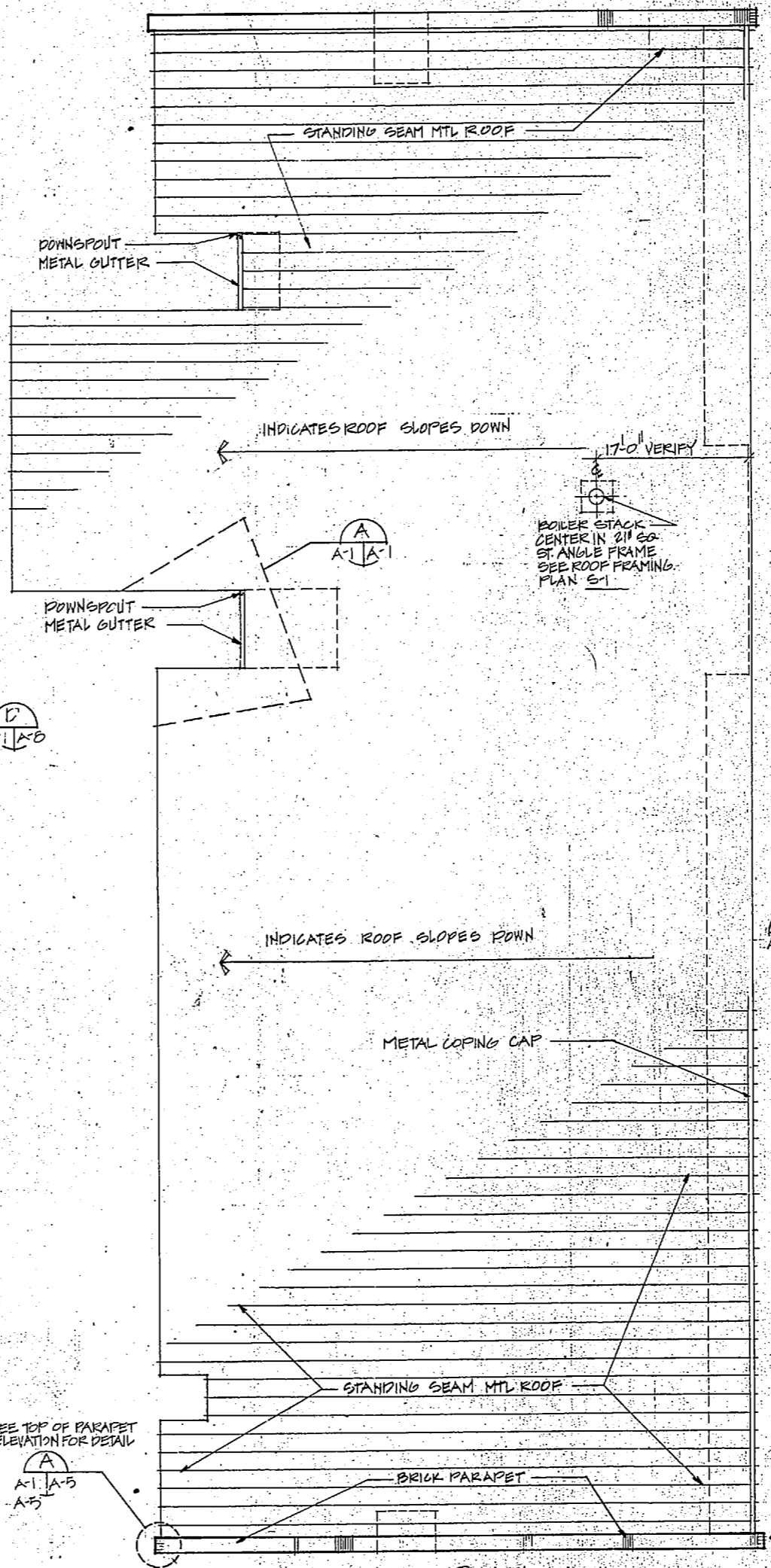
L-4	
A JOINT VENTURE Lockwood Greene & Associates Architects-engineers-planners	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION CAMP LEJEUNE, NORTH CAROLINA	
PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING PLANS, PLANTING	
DES. JAB	CHK. CCM
PROJ. MGR. A.E.J. CH. ENGR. ZET	DATE: _____
SUBMITTED BY: _____	DATE: _____
REV. MEMBERS: _____	PRINCIPAL: _____
ED: FP	RVD
NO. _____	DIR. _____
APPROVED: _____	DATE: _____
DESIGN IN CHARGE: _____	DATE: _____
APPROVED: _____	DATE: _____
SCALE: NOTED	SPEC. 05-81-1766
NAVAC DRAWING NO. _____	CONSTR. CONTR. NO. N02470-BI-8-1766
SHEET 10 OF 37	LANTDIV.DWG. NO. _____



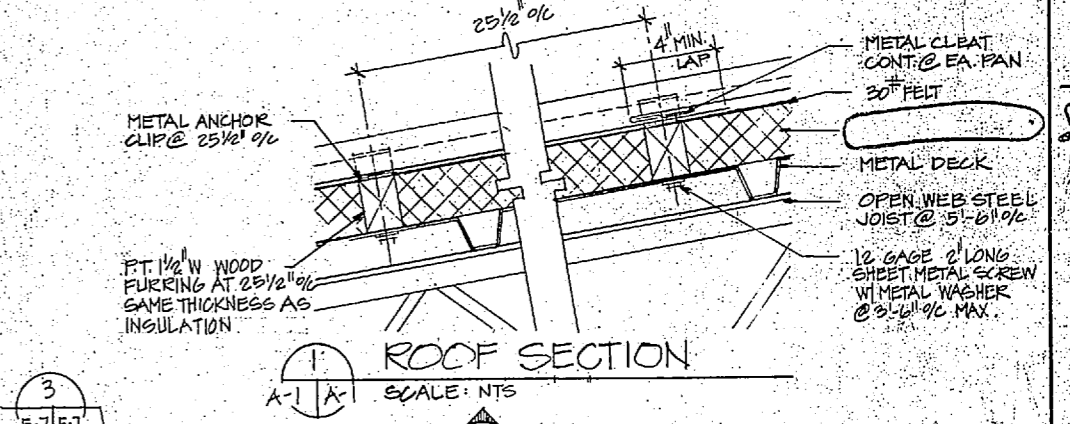


REVISIONS		
SYM	DESCRIPTION	DATE

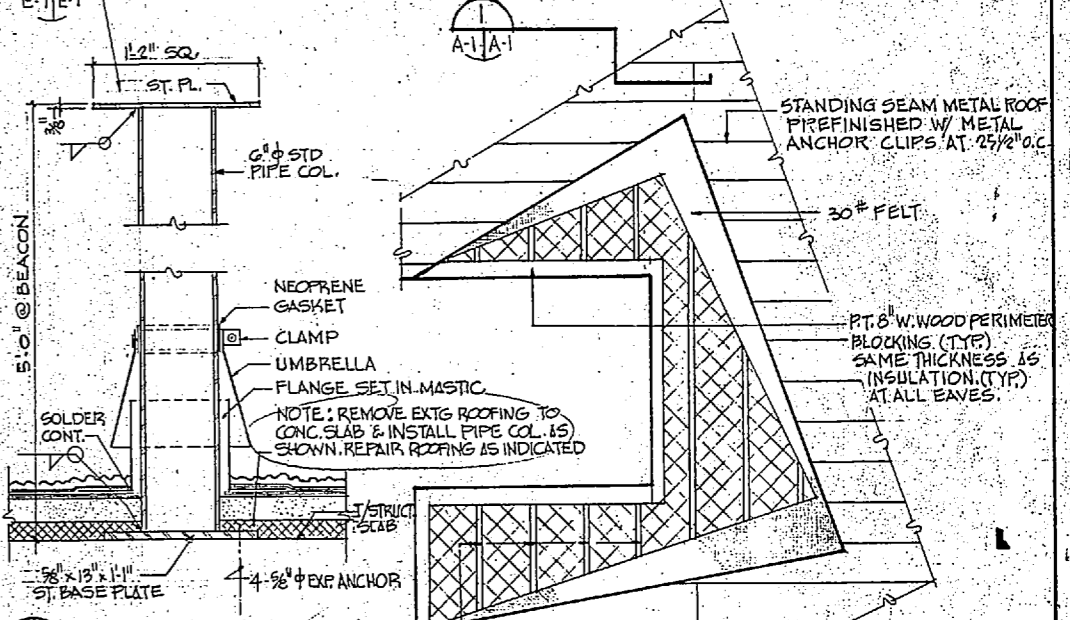
3 PARTIAL HOSPITAL ROOF PLAN-AREA "G" "E" "H" A-1 A-1 PENTHOUSE. SHOWING LOCATION OF BEACON SUPPORT SCALE: 1/2"=1'-0" EXISTING SURFACE 3/4" CUD PENETRATION



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

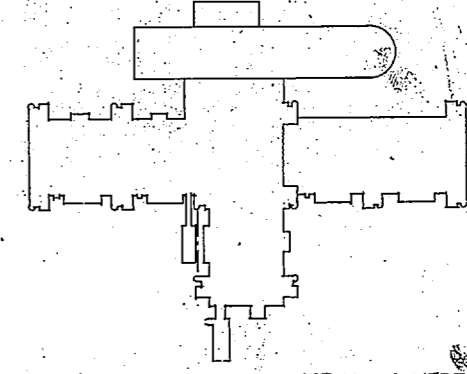


1 ROOF SECTION SCALE: NTS



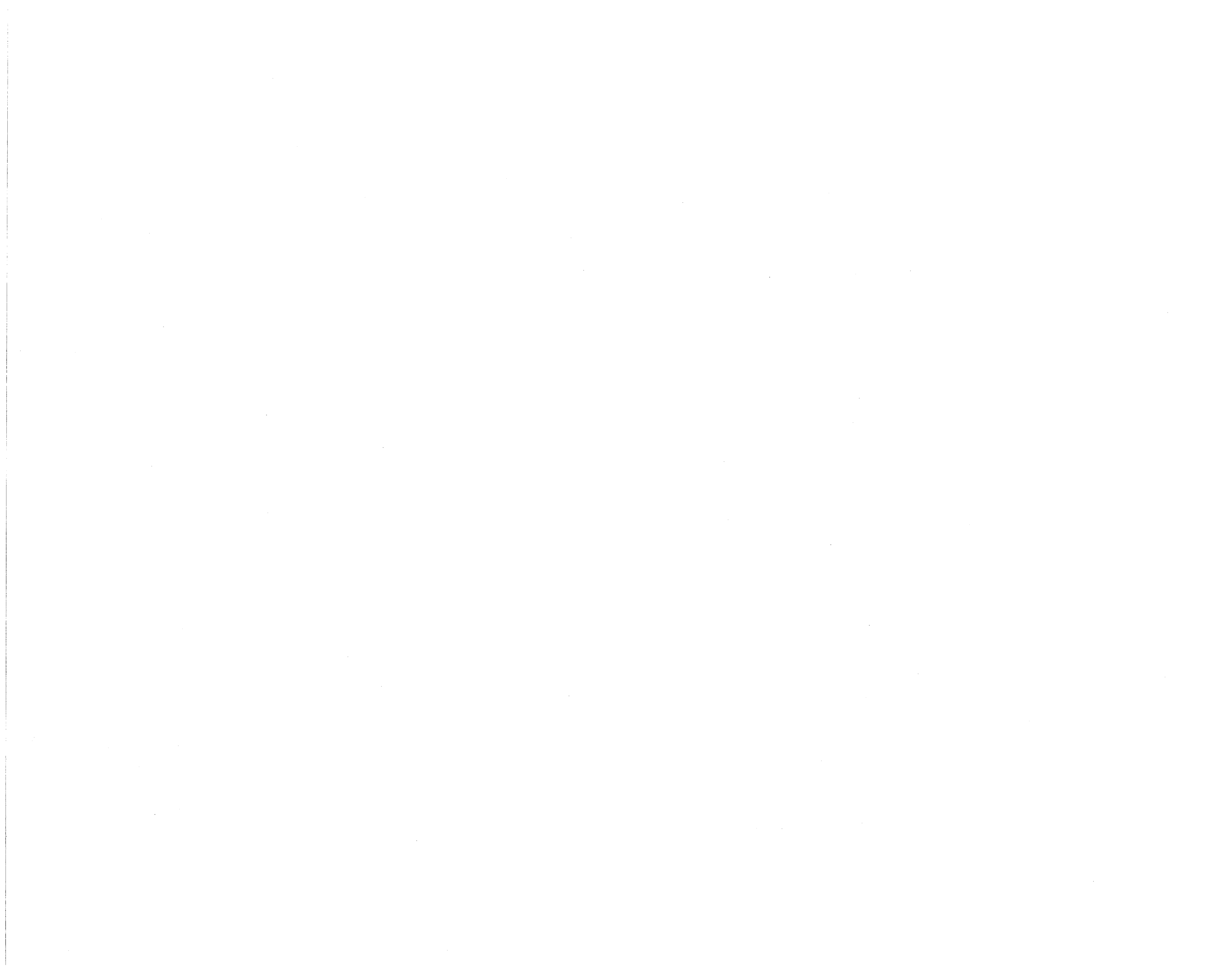
2 DETAIL: BEACON LIGHT SUPPORT SCALE: 1/2"=1'-0" EXISTING SURFACE

A CUTAWAY DETAIL SCALE: 1/4"=1'-0"



KEY PLAN

A-1		NAVAL FACILITIES ENGINEERING COMMAND	
Lockwood Greene-Gis Associates		DEPARTMENT OF THE NAVY	
ARCHITECTS-ENGINEERS-PLANNERS		ATLANTIC DIVISION	
DES. BY: DR. P.H.T. CHK. W.Z.M.		NAVAL STATION	
PROJ. NO. AB-1 CH. ENCL.		NAVAL REGIONAL MEDICAL CENTER - CAMP LEJEUNE, NORTH CAROLINA	
SUBMITTED BY: DATE:		PUBLIC WORKS BUILDING	
MEMBER: PRINCIPAL		HELIPAD & LANDSCAPING	
ED. BY: RVD		FLOOR AND ROOF PLAN	
NO. DIR		SIZE: CODE IDENT. NO.	
APPROVED: DATE:		NAVFAC DRAWING NO.	
SUPERVISOR: DATE:		F 80091	
APPROVER: DATE:		CONSTR. CONTR. NO. N 62470-81-B-1756	
FOR EST. FILE CONSTRUCTION DIVISION		SCALE: 1/8"=1'-0" SPEC: 05-81-1766 SHEET 16 OF 37	
		LAND DIV. DWG. NO.	



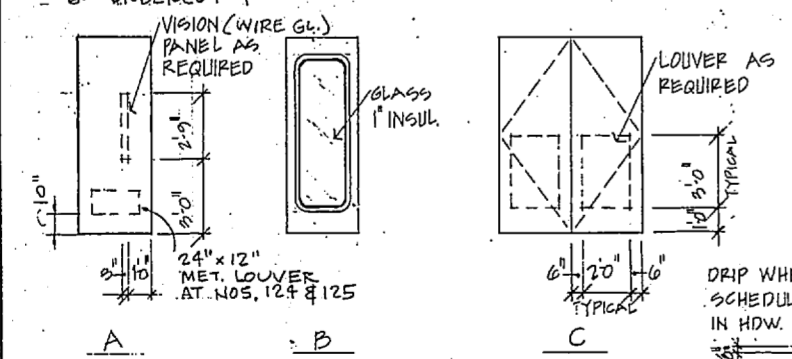
DOOR SCHEDULE

FINISH SCHEDULE

NUMBER	SIZE	THICK.	TYPE	DOOR MAT.	FRAME MAT.	HEAD*	JAMB*	SILL	REMARKS	FIN. NO.	FLOOR	FINISHES	COLOR SCHEME	NOTES
P100	NOT USED													
P101	6'-0" x 7'-10"	1 3/4"	C	MET.	H.M.	100	101			F-2	FLOOR	NONE		
P102	NOT USED										BASE	NONE		
P103	NOT USED										WALLS	GMU - SEMI GLOSS ENAMEL	A	6
P104	NOT USED										CEILING	EXPOSED CONSTRUCTION - ENAMEL	B	7
P105	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101				DOOR & FRAME	METAL - SEMI GLOSS ENAMEL	D	1,2
P106	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101							
P106A	3'-0" x 7'-0"	1 3/4"	A	WOOD	H.M.	104	105			F-2	FLOOR	VINYL COMPOSITION TILE	AA	
P107	3'-0" x 7'-0"	1 3/4"	A	WOOD	H.M.	104	105				BASE	VINYL	BB	
P108	3'-0" x 7'-0"	1 3/4"	A	WOOD	H.M.	104	105				WALLS	GMU & OTR DR. - SEMI GLOSS	E	
P109	NOT USED										CEILING	SUSPENDED ACOUSTICAL	CC	
P110	3'-0" x 7'-0"	1 3/4"	A	WOOD	H.M.	104	105				DOOR & FRAME	METAL - SEMI GLOSS ENAMEL	C	4
P111	3'-0" x 7'-0"	1 3/4"	A	WOOD	H.M.	104	105				WOOD DOOR		H	
P112	3'-0" x 7'-0"	1 3/4"	A	WOOD	H.M.	102	103							
P113	3'-0" x 7'-0"	1 3/4"	A	WOOD	H.M.	102	103							
P113A	3'-0" x 7'-0 1/2"	1 3/4"	A	WOOD	H.M.	102	103			F-3	FLOOR	VINYL COMPOSITION TILE	AA	
P114	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103	2	3		BASE	VINYL	BB	
P114A	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103	2	3		WALLS	BRKF		
P114B	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103	2	3		CEILING	SUSPENDED ACOUSTICAL	CC	B
P114C	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103	2	3		DOOR & FRAME	METAL - SEMI GLOSS ENAMEL	C	
P114D	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103	2	3		WOOD DOOR		H	
P115	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101			F-4	FLOOR	NONE		
P116	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103		1,9		BASE	NONE		
P117	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103		1		WALLS	GMU - SEMI GLOSS ENAMEL	A	
P118	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101	1	3		CEILING	SUSPENDED ACOUSTICAL	CC	7
P118A	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101		6		DOOR & FR.	METAL - SEMI GLOSS ENAMEL PHT ONLT	B	
P119	3'-0" x 7'-10"	1 3/4"	C	MET.	H.M.	100	101							
P120	3'-0" x 7'-10"	1 3/4"	C	MET.	H.M.	102	103	2	3	F-5	FLOOR	VINYL COMPOSITION TILE	AA	
P121	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103	2	3		BASE	VINYL	BB	
P121A	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103	2	3		WALLS	GMU - EPOXY	E	9
P122	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101		1		CEILING	SUSPENDED ACOUSTICAL	CC	7
P122A	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101		3, 5, 7		DOOR & FR.	METAL - SEMI GLOSS ENAMEL	D	
P122B	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103	2	3					
P122C	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103	2	3					
P123	10'-0" x 12'-0"	1 3/4"	A	MET.	H.M.	110	111		1, 7	F-6	FLOOR	CERAMIC TILE	GG	
P123A	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101		1		BASE	CERAMIC TILE	EE	
P123B	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101		3, 5, 7		WALLS	GMU & OTR DR. - EPOXY COATING	E	10
P123C	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103	2	3		CEILING	OTR DR. - EPOXY COATING	F	
P124	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101		9		DOOR & FR.	METAL - SEMI GLOSS ENAMEL	D	
P125	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101		9					
P126	NOT USED									F-7	FLOOR	PRECAST TERRAZZO	DD	
P127	3'-0" x 7'-10"	1 3/4"	C	MET.	H.M.	102	103	2	4		BASE	NONE		
P128	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	100	101		1		WALLS	CERAMIC TILE	EE	
P128A	3'-0" x 7'-10"	1 3/4"	A	MET.	H.M.	102	103	2	3		CEILING	OTR DR. - EPOXY COATING	F	
P128B	11'-4" x 12'-0"	1 3/4"	A	MET.	H.M.	100	101		3, 5, 8		DOOR & FR.	METAL - SEMI GLOSS ENAMEL	D	
P129	11'-4" x 12'-0"	1 3/4"	A	MET.	H.M.	100	101		3, 5, 7					
P130	11'-4" x 12'-0"	1 3/4"	A	MET.	H.M.	100	101		3, 5, 7					

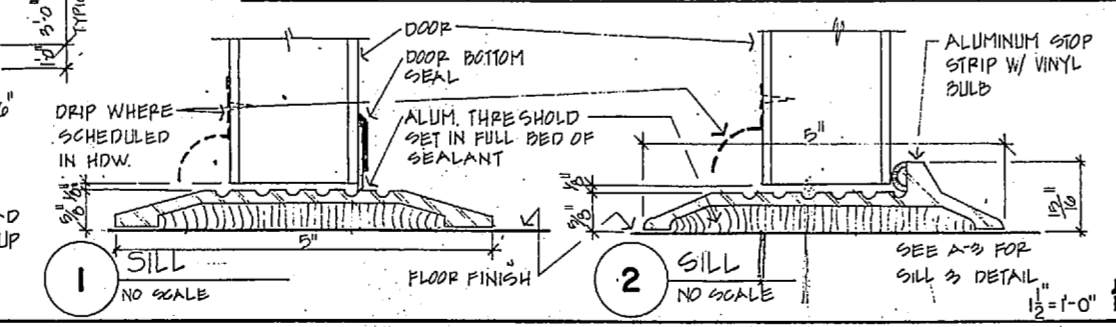
REMARKS:
 1- LABEL - B 1/2 HOURS ('A' LABEL FOR 122D)
 2- WINDOW PANELS (SEE TYPE FOR SIZE)
 3- W/ INTRUSION DEVICE
 4- PROVIDE 12" (COMBINED AREA) LOUVER
 5- ROLL-UP DOORS TO HAVE WEATHERSILL
 6- UNDERCUT 1"
 7- CHAIN & GEARS OPERATED
 8- ELECTRIC OPERATED
 9- MARBLE THRESHOLD

TYPE AND QUANTITY



DOOR TYPES
NO SCALE

*SEE A-3 FOR JAMB & HEAD DETAIL. SEE A-7 FOR ROLL-UP DOOR DETAILS



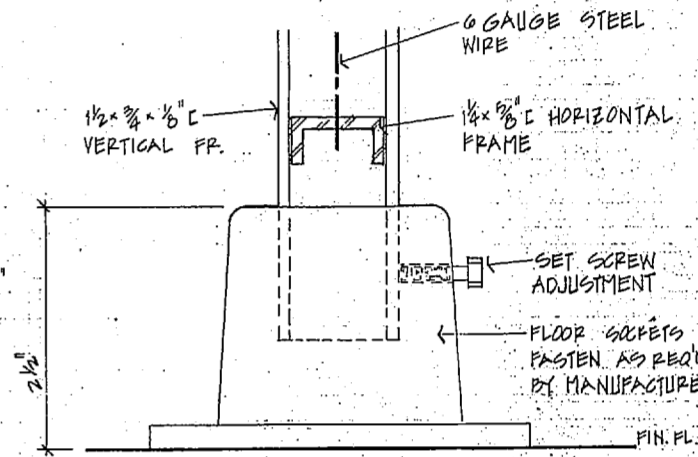
COLOR SCHEME CODE:
 PAINTED COLOR CODE:
 FEDERAL STANDARD NUMBER
 999 NUMBERS
 A. GOLD TAN 30100
 B. BLACK 17090
 C. CHAR. BROWN 30120
 D. ROYAL BLUE 35189
 E. PUTTY 37809
 F. OFF-WHITE 37886
 G. OFF-WHITE 37886
 H. NATURAL STAIN & FINISH

MATERIAL COLOR CODE:
 AA #55905 - NEUTRAL ARMSTRONG BACELON
 BB BLACK (ARMSTRONG RUBBER CO.)
 CC WHITE PATTERN 'SECRET' BRASS GRIDS
 DD OFF-WHITE (U.S. GYPSUM CO. 'ACOUSTONE')
 EE LIGHT TAN W/ NATIONAL TERRAZZO & MOHIC ASSOCIATION NO. 5-109 WHITE CEMENT
 FF #74 ANTIQUE, W/ WHITE GROUT (AMERICAN CLEAN CO.)
 GG DRIFTWOOD - GROUP 1 (AMERICAN CLEAN CO.)

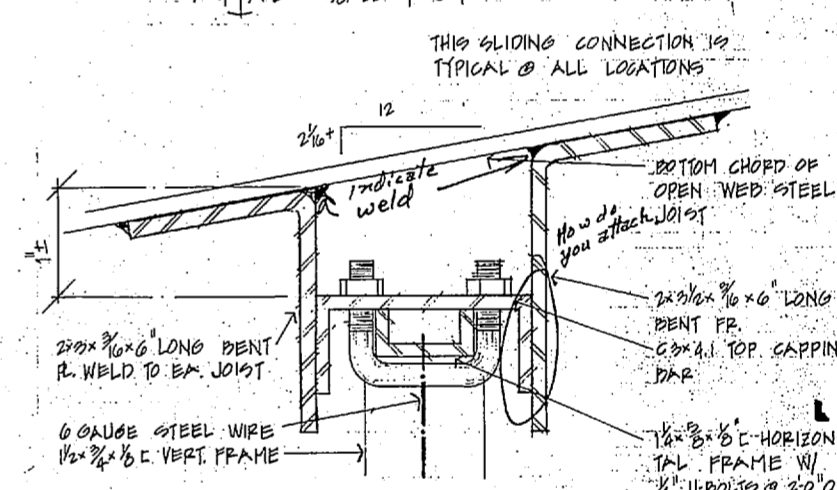
- GENERAL NOTES:
- MANUFACTURER LISTED HEREIN ARE TO ESTABLISH DESIRED COLORS, PATTERNS, TEXTURES & QUALITY.
 - SAMPLES OF COLORS & PATTERNS INDICATED HEREIN OR OTHERWISE SPECIFIED SHALL BE ON DISPLAY AT THE OFFICE OF THE CONTRACTING OFFICER LOCATED AT THE ATLANTIC DIVISION, NAVAL FACILITIES ENGINEERING COMMAND, NORFOLK, VIRGINIA.
 - 1/2" THICK HARDBOARD PANELS & OTHER SURFACES LOCATED IN THE CAVITIES BEHIND EXTERIOR INSULATING GLASS SHALL BE PAINTED CHAR GRAY #26192.
 - REFER TO FINISH SCHEDULE FOR PAINT FINISHES, AND COLORS REQUIRED ON ALL METAL DOORS & FRAME.
 - COLOR FOR ALL PREFINISHED EXTERIOR METAL, UNLESS OTHERWISE INDICATED OR SPECIFIED, SHALL BE 'D'.
 - FIELD PAINT EXTERIOR FERROUS METALS W/ COLOR 'D', UNLESS OTHERWISE NOTED.
 - FIELD PAINT NON-FERROUS METALS W/ COLOR 'D', UNLESS OTHERWISE NOTED.
 - PLASTIC LAM. @ WINDOW SILLS TO BE 'FF'.

FINISH SCHEDULE NOTES:

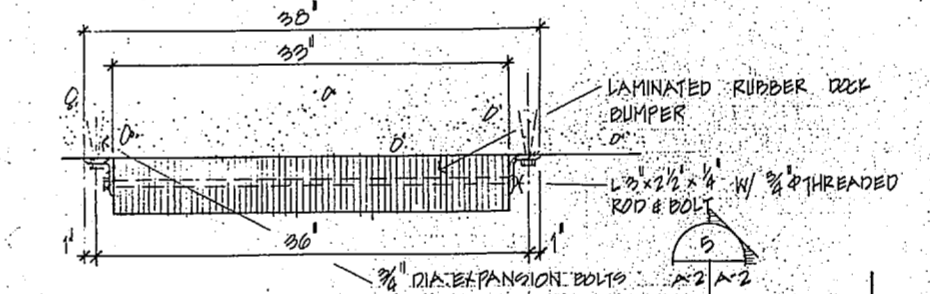
- ALL DOOR FRAMES TO BE COLOR 'D', EXCEPT P122F TO BE COLOR 'C'.
- ALL METAL DR. LEAVES TO BE COLOR 'D' EXCEPT P118, P121A TO BE COLOR 'D', DOOR P122F TO BE COLOR 'C'.
- STUCCO SOFFITS TO HAVE SAND FLOAT FINISH.
- P105, P115 & P116 DOORS & FRAMES TO BE COLOR 'D'.
- DOOR P118A - STAINLESS STEEL FRAME W/ BLACK ANODIZED ALUM. FRAME.
- WIRE MESH PARTITIONS TO BE PAINTED TO MATCH ADJACENT WALL COLOR.
- STUCCO SOFFIT SHALL BE PAINTED ACRYLIC EMULSION COLOR 'F'.
- STUCCO SOFFIT SHALL BE PAINTED ACRYLIC EMULSION COLOR 'G'.
- WALL COLOR @ P110 TO BE COLOR 'A'.
- WALLS @ VESTIBULE P124 TO BE COLOR 'A'.



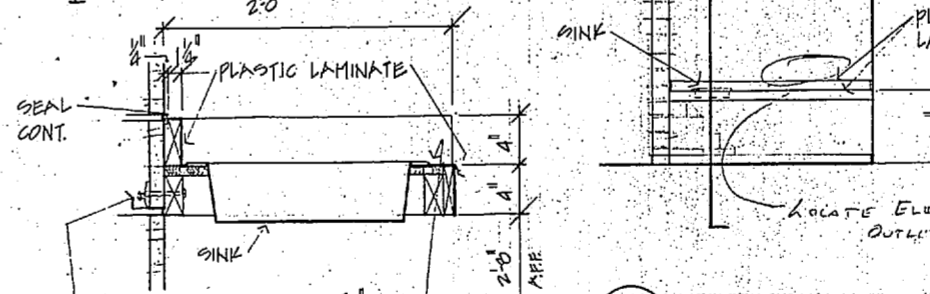
DETAIL G
A-4 | A-2 SCALE - 1"=0'-1"



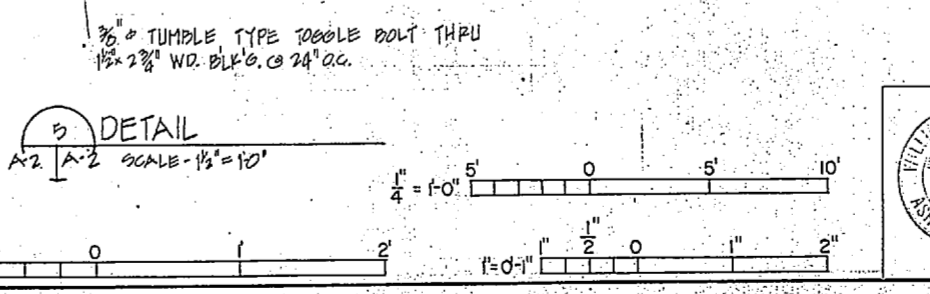
DETAIL H
A-4 | A-2 SCALE - 1"=0'-1"



DETAIL E
A-5 | A-2 SCALE - 1/2\"/>



DETAIL I
A-4 | A-2 SCALE - 1"=0'-1"



ELEVATION A
A-1 | A-2 SCALE - 1/2\"/>

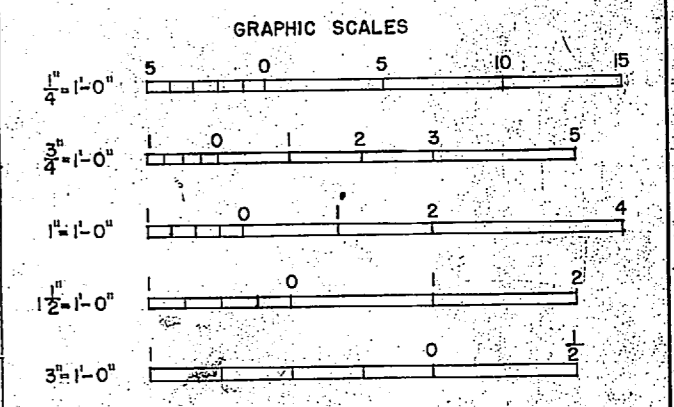
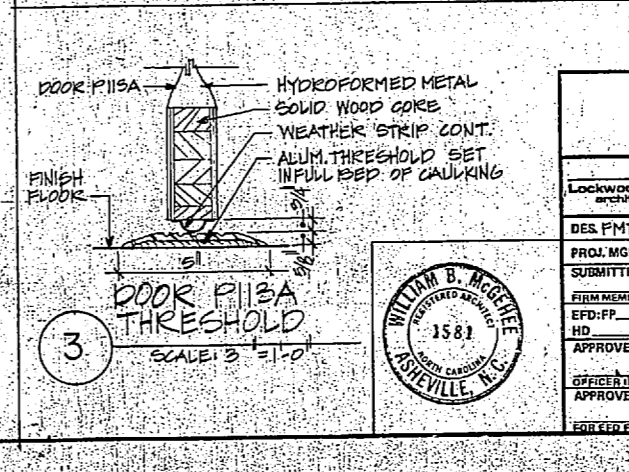
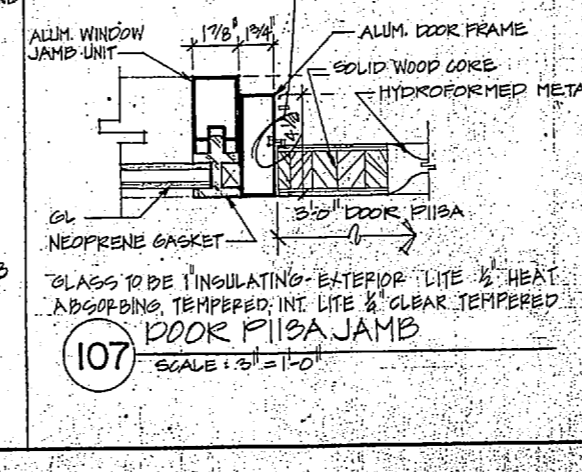
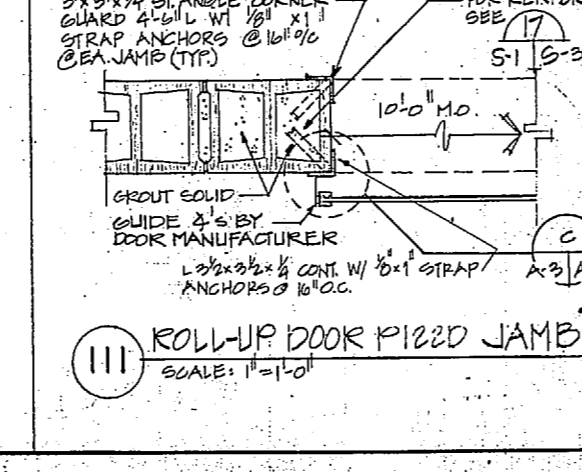
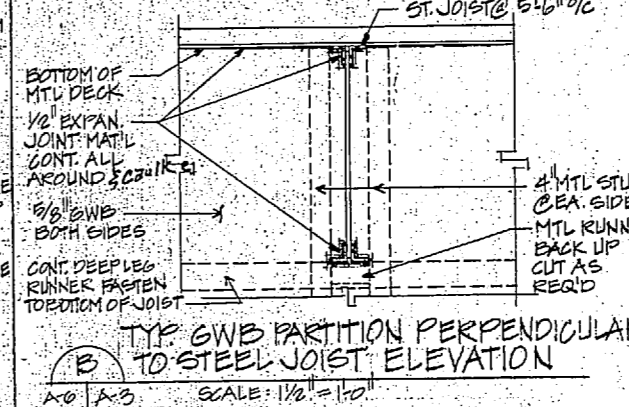
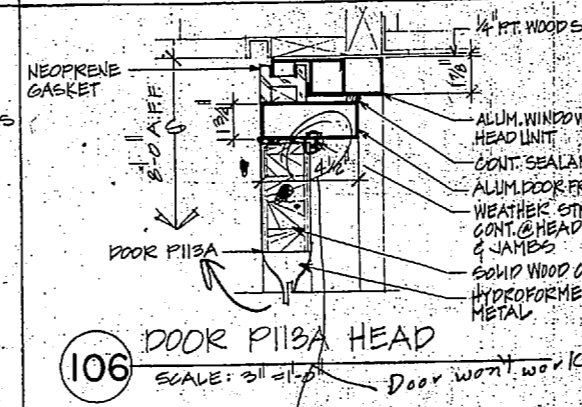
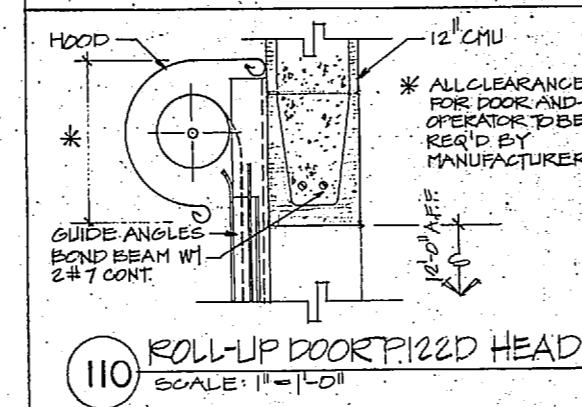
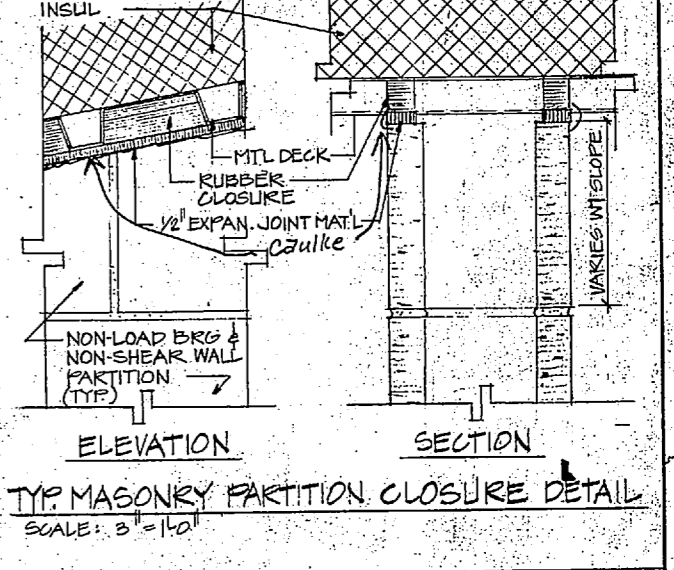
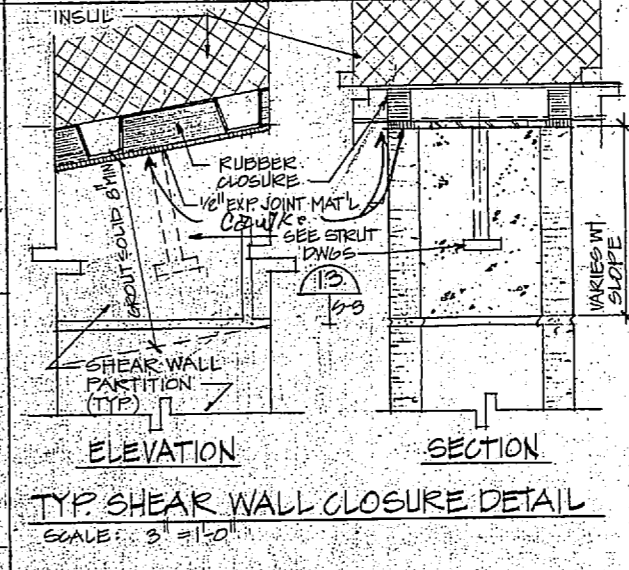
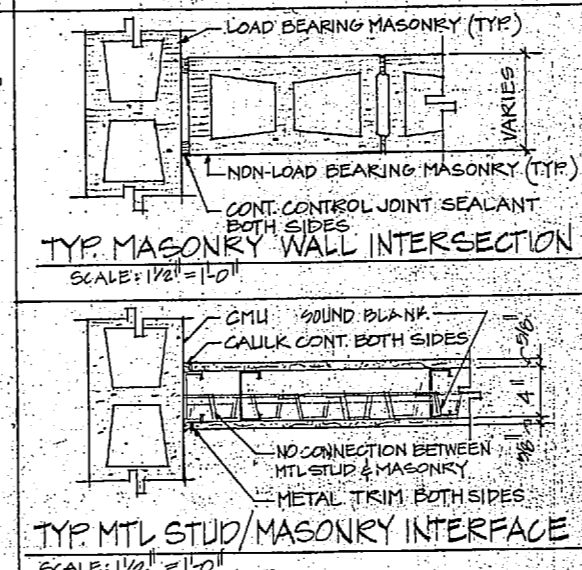
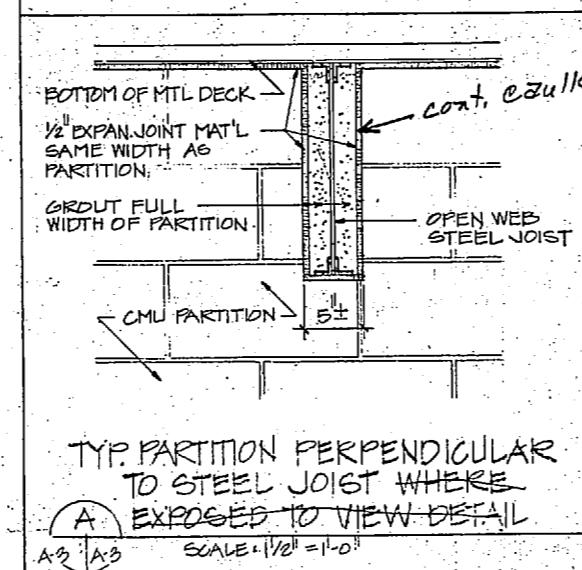
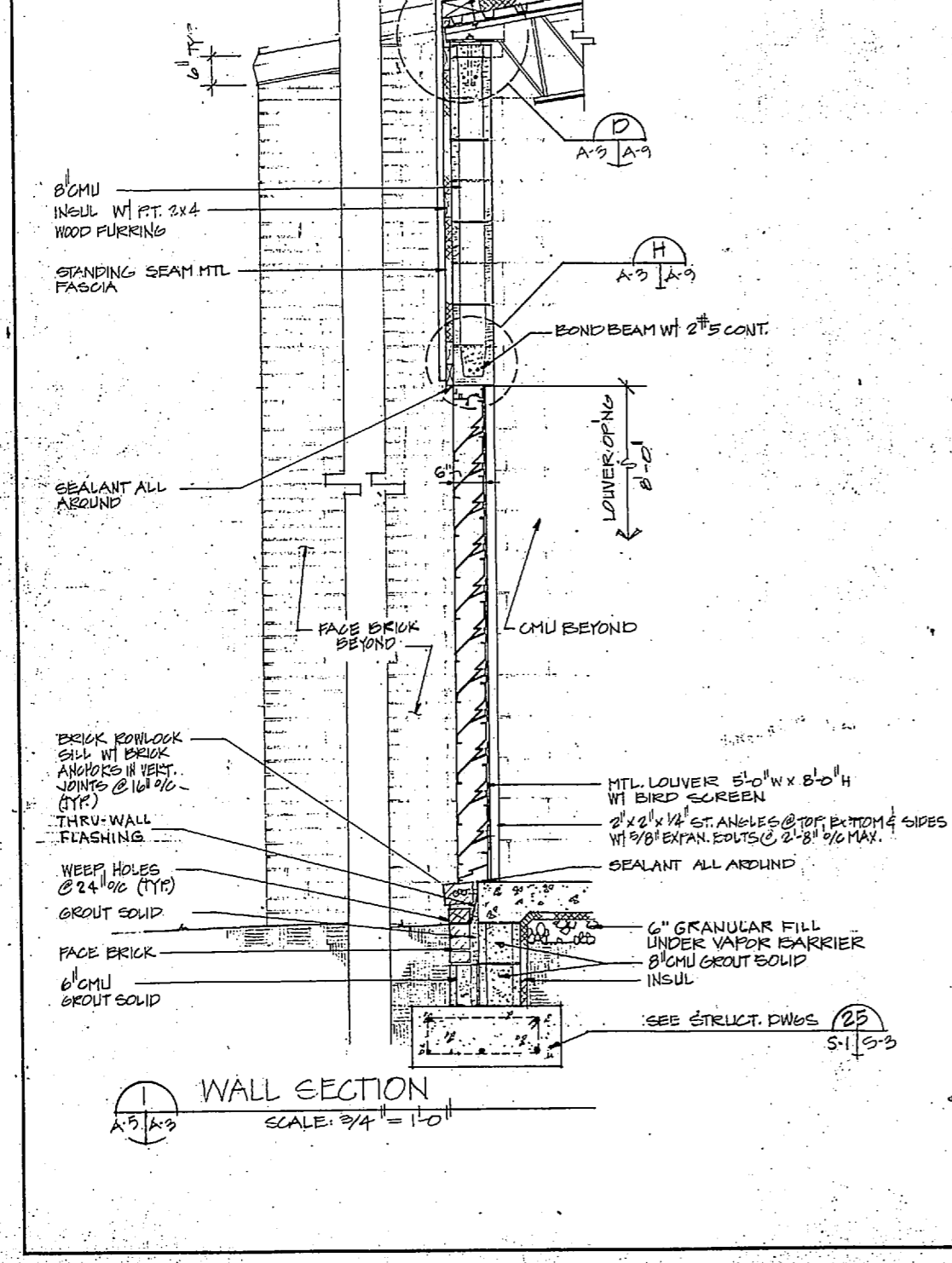
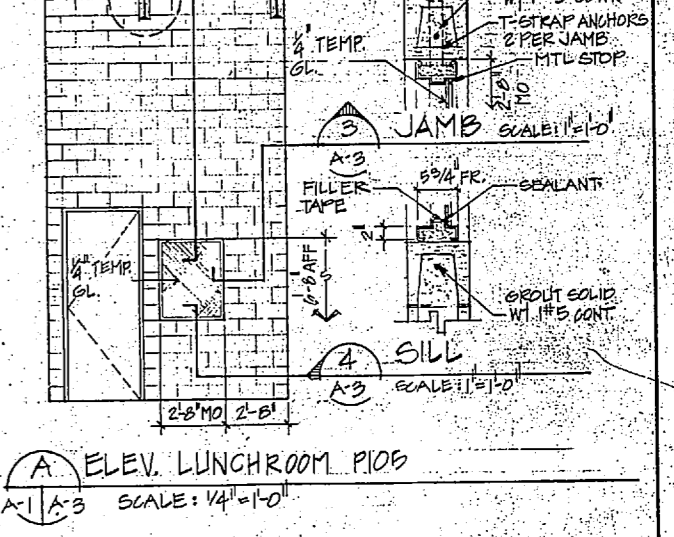
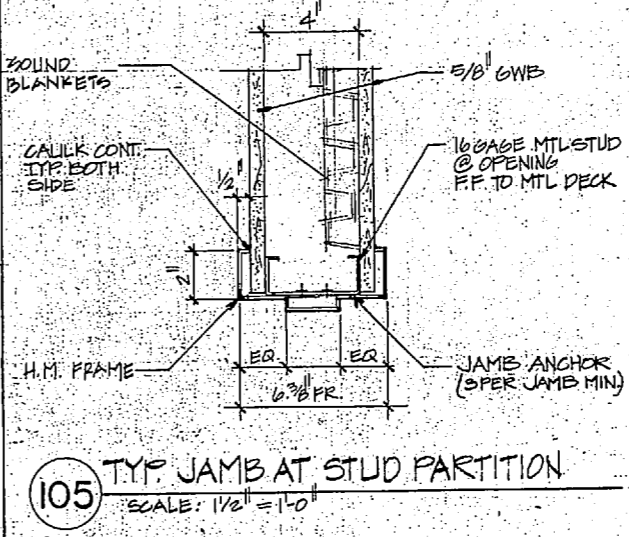
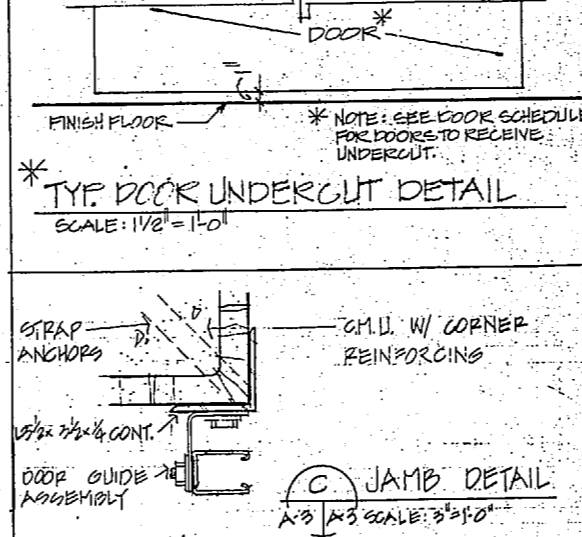
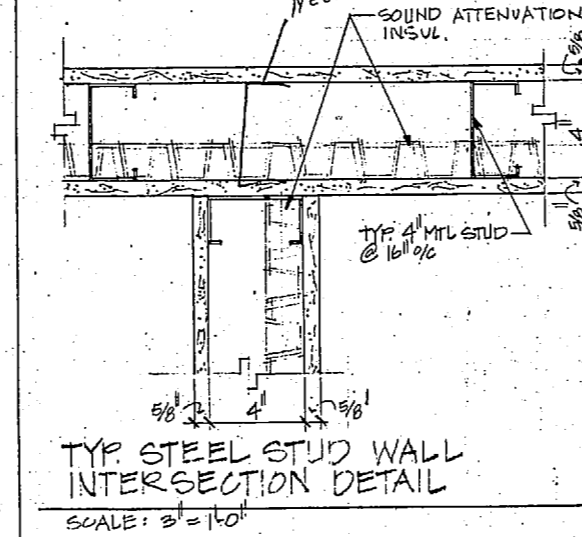
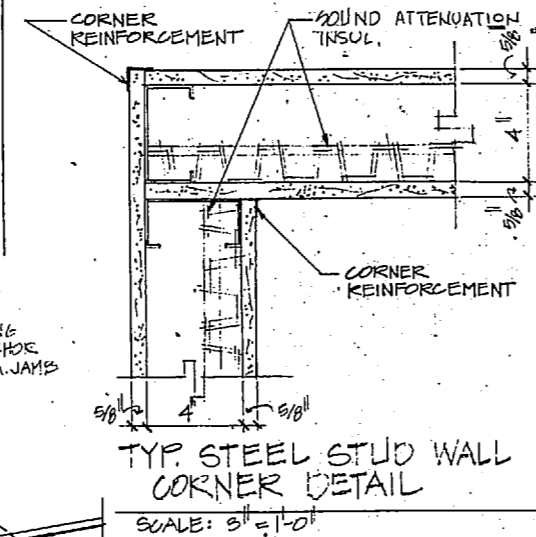
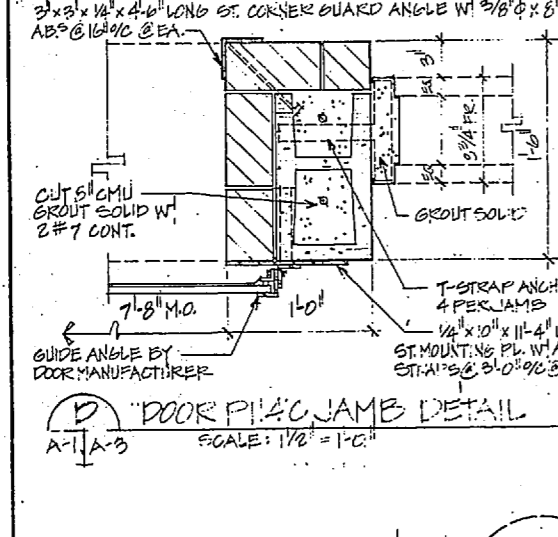
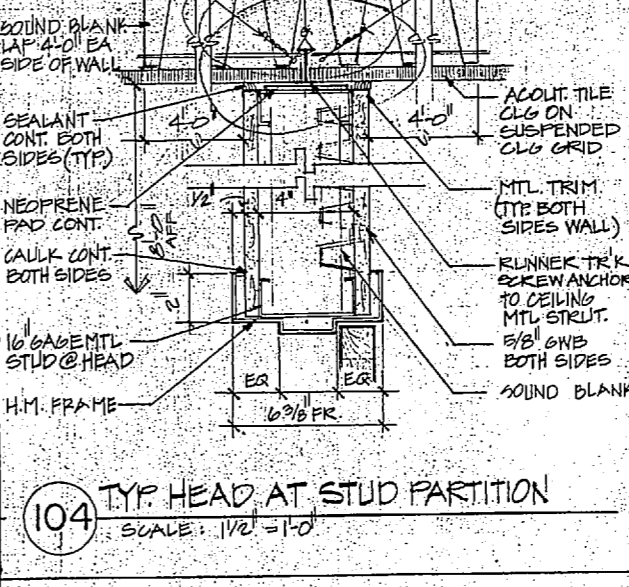
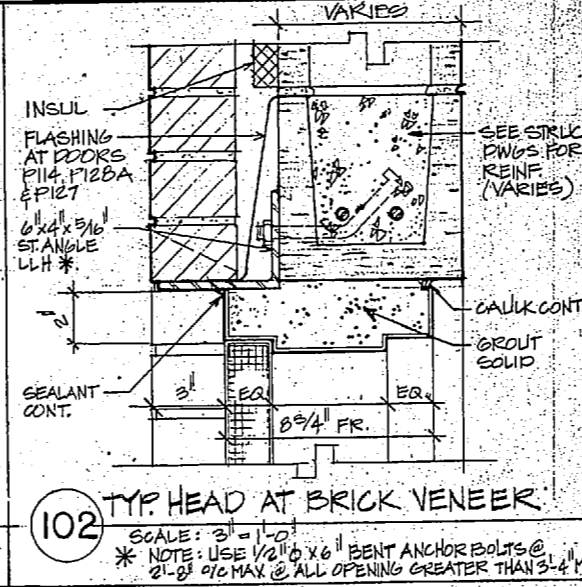
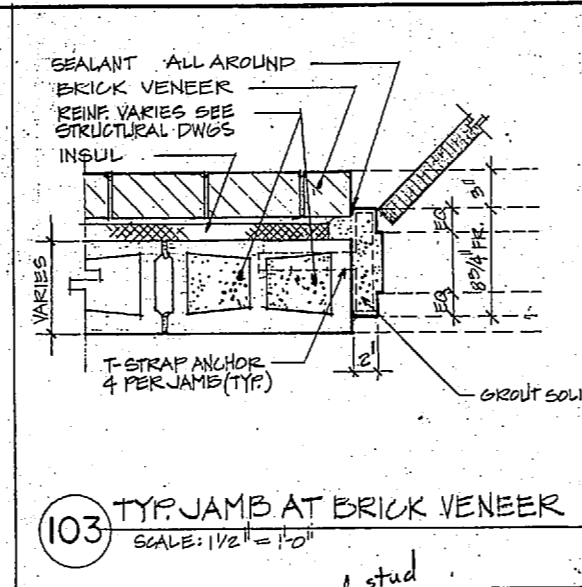
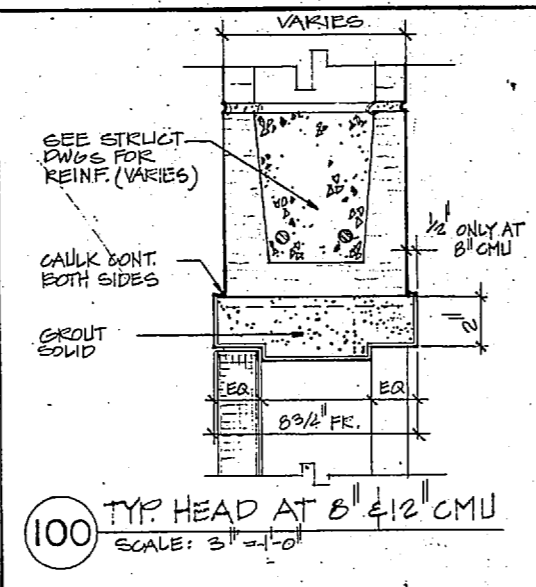
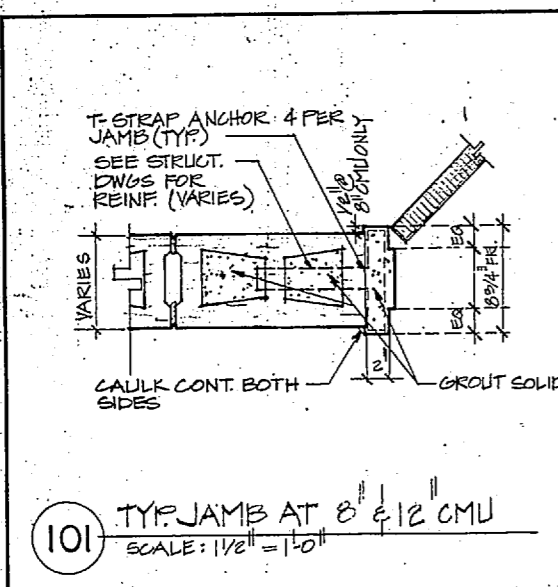
A-2

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
 NAVAL STATION
 NAVAL REGIONAL MEDICAL CENTER CAMP LEJEUNE, NORTH CAROLINA
PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING
 DOOR AND FINISH SCHEDULE

DES. DR. CHK.
 PROJ. MGR. A.E.J. CH. ENGR.
 SUBMITTED BY: DATE:
 FIRM NUMBER: PRINCIPAL
 E.D. P.P. R.V.D.
 NO. DIR.
 APPROVED: DATE:
 OFFICER IN CHARGE: DATE:
 APPROVED: DATE:
 DATE FOR CONSTRUCTION REVIEW

SIZE CODE IDENT. NO. NAVFAC DRAWING NO.
F 80091
 CONSTR. CONTR. NO. N82470-81-B-1766
 SCALE NOTED SPEC. 05-BI-1766 SHEET 7 OF 37
 LANTDIV DWG. NO.





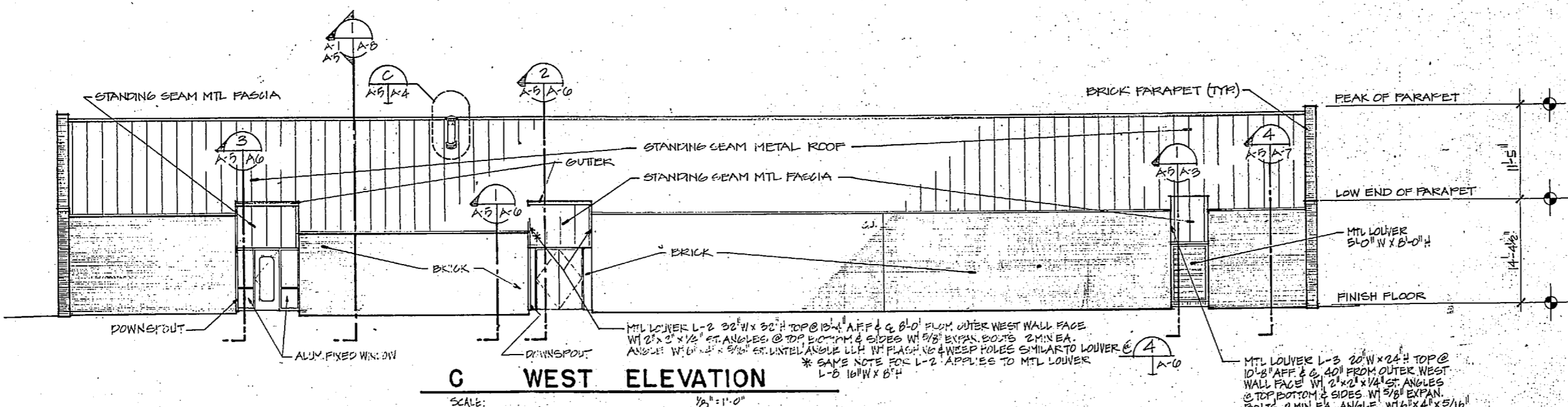
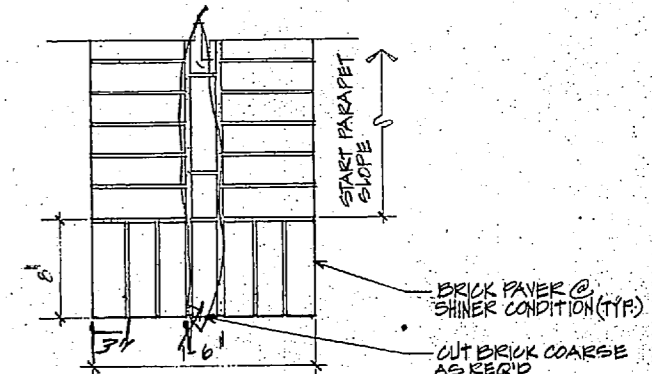
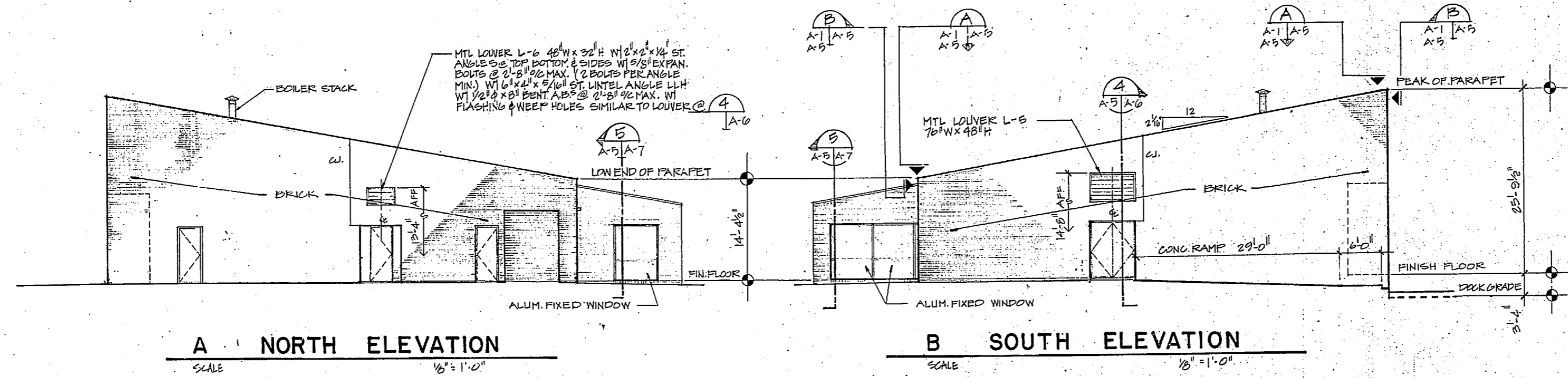
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED

A-3	
LOCKWOOD GREENE & ASSOCIATES ARCHITECTS-ENGINEERS-PLANNERS 1000 W. BROAD ST. SUITE 200 NORFOLK, VIRGINIA 23510	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VIRGINIA
DES. P.M.T. DR. F.M.T. CHK. W.D.M. PROJ. MGR. A.B.J. CH. ENGR. SUBMITTED BY: DATE: SUPERVISOR: PROFESSIONAL E.P.D./P. R.V.D. NO. DIR. APPROVED: DATE: SPECIAL INSTRUCTIONS: DATE: APPROVED: DATE:	NAVAL REGIONAL MEDICAL CENTER CAMP LEJEUNE, NORTH CAROLINA PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING WALL SECTION AND DETAILS SIZE: CODE IDENT. NO. NAVFAC DRAWING NO. F 80091 CONSTR. CONTR. NO. N62470-81-8-1786 SCALE: NOTE D1 REG. 05-81-1765 SHEET 18 OF 37 LANTOIV DWA. NO.

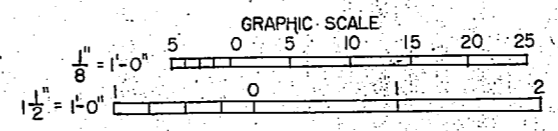
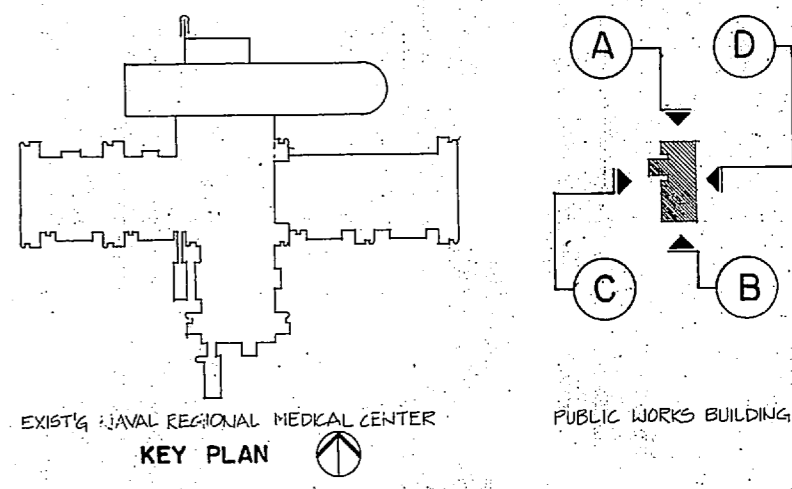
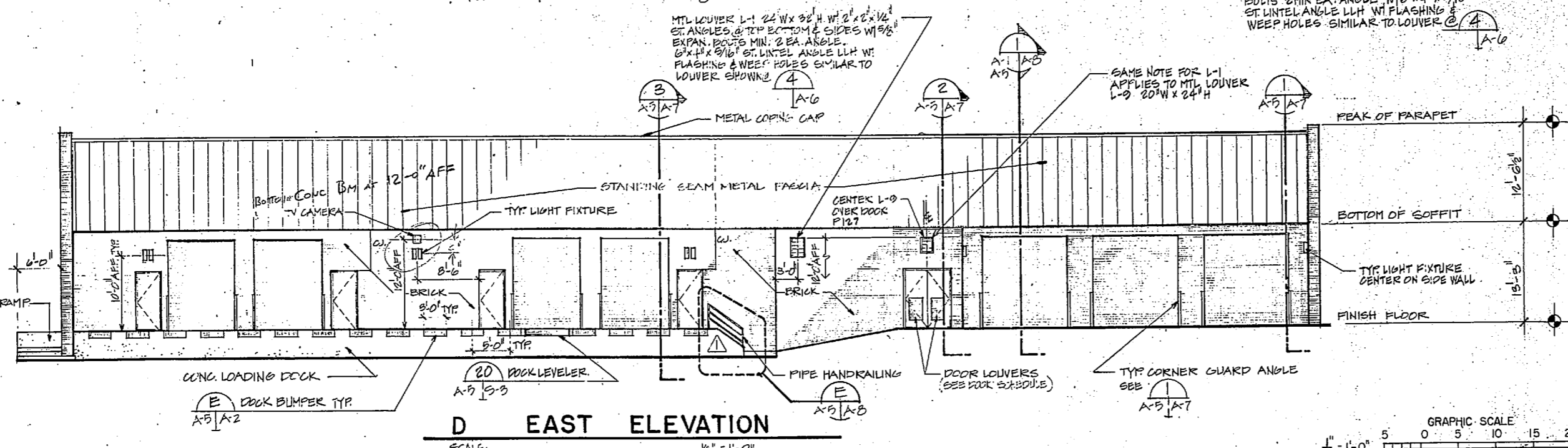
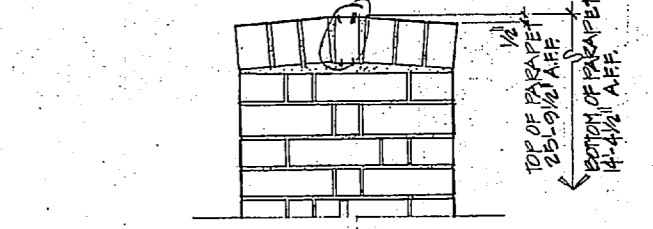




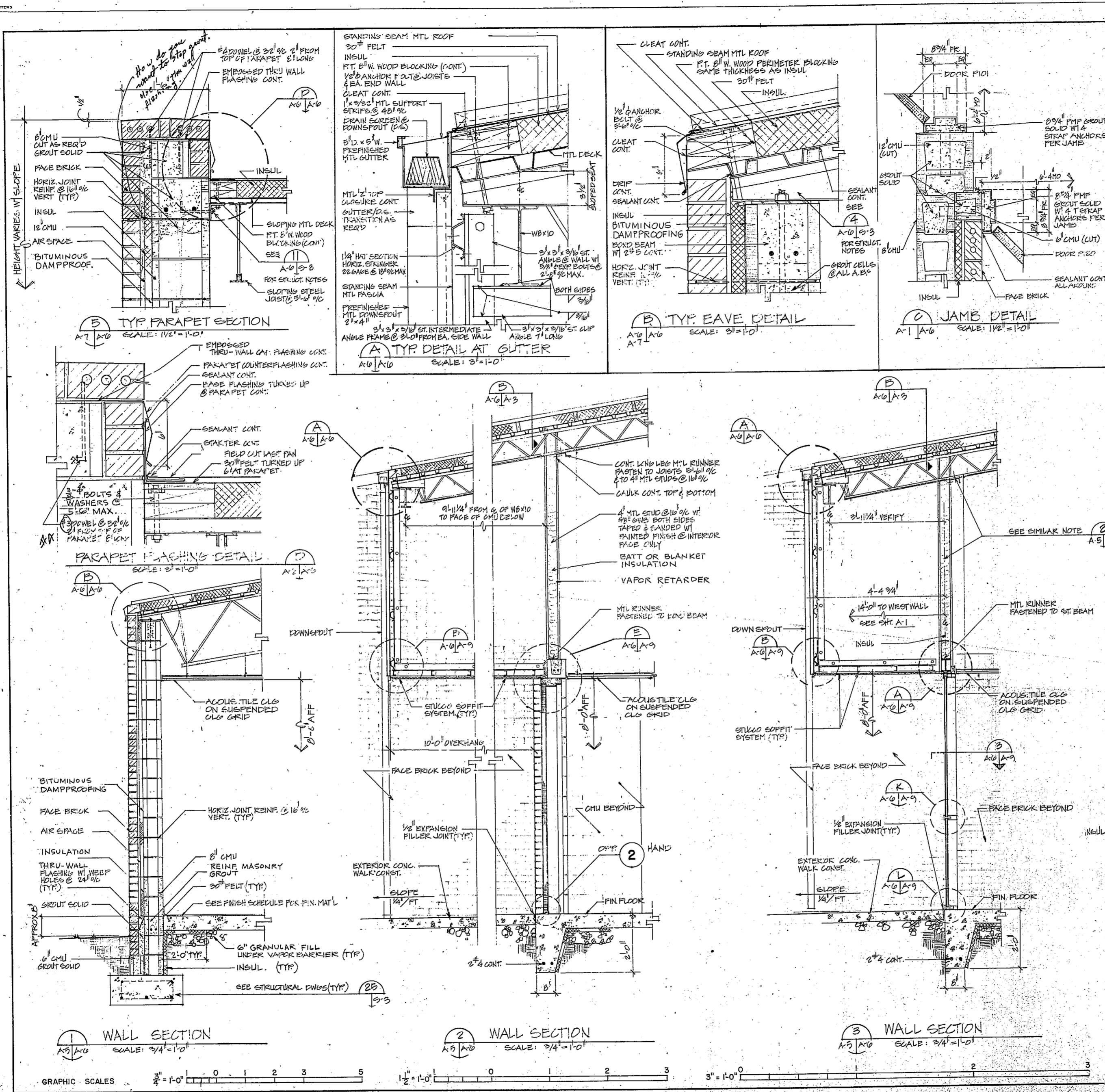
REVISIONS		
SYM	DESCRIPTION	DATE



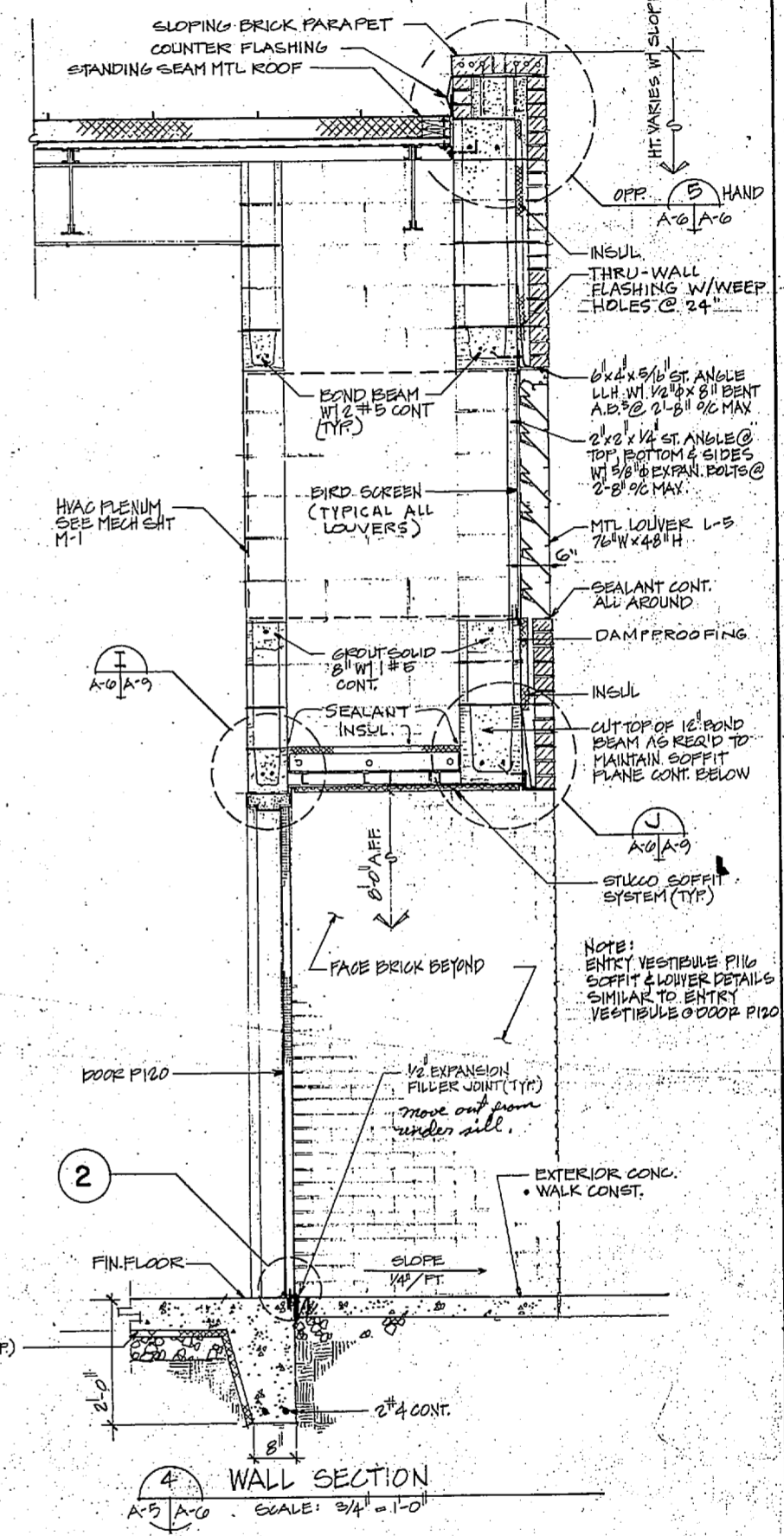
A TOP OF PARAPET ELEVATION (TYP)
SCALE: 1/2" = 1'-0"



A-5	
LOCKWOOD GREENE & ASSOCIATES ARCHITECTS-ENGINEERS-PLANNERS	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION FORT MONROE, VIRGINIA	
NAVAL REGIONAL MEDICAL CENTER PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING ELEVATIONS	
DES. PHT. DR. PHT. CHK. W.D.M.	DATE: _____
SUBMITTED BY: _____	DATE: _____
APPROVED: _____	DATE: _____
APPROVED IN CHARGE: _____	DATE: _____
APPROVED: _____	DATE: _____
SIZE: F 80091	NAVFAEC DRAWING NO. _____
CONSTR. CONTR. NO. N62470-BI-B-1766	SCALE: NOTED SEC. 05-61-1766
SHEET 20 OF 37	LAND DIV. DWG. NO. _____



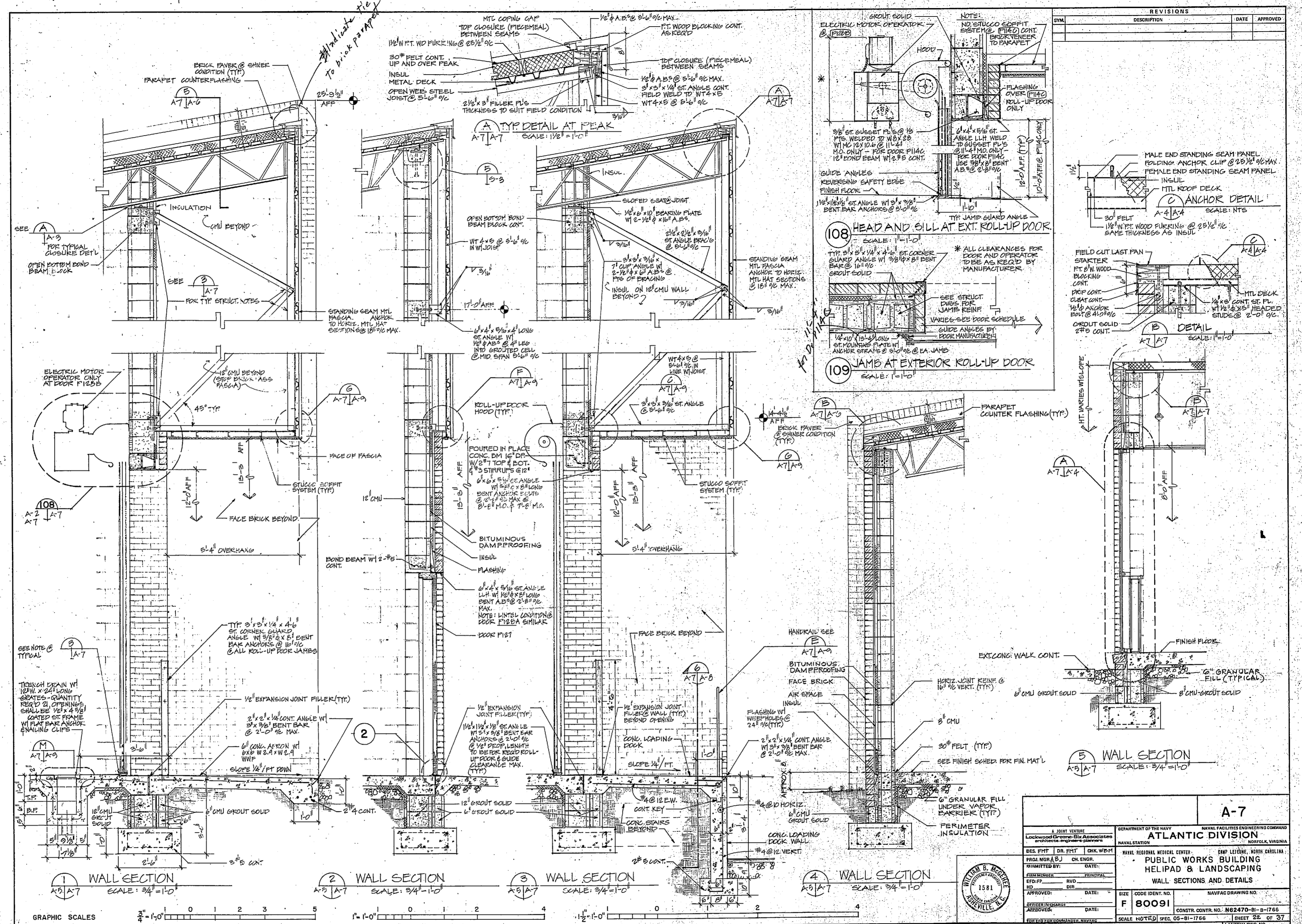
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



A-6		ATLANTIC DIVISION	
A JOINT VESTIBULE		NAVAL FACILITIES ENGINEERING COMMAND	
Lockwood Greene-Elliott Association		NAVAL STATION	
Architectural Engineers & Planners		NAVAL REGIONAL MEDICAL CENTER	
DES. PHT. DR. PHT. CHK. WSH		CAP. LEITER, NORTH CAROLINA	
PROJ. MGR. A.S.J. CK. ENGR.		PUBLIC WORKS BUILDING	
SUBMITTED BY: DATE:		HELIPAD & LANDSCAPING	
MEMBER: PRINCIPAL		WALL SECTIONS AND DETAILS	
EFD. PP. RVD. DIM.		SIZE: CODE IDENT. NO. NAVFAC DRAWING NO.	
APPROVED: DATE:		F 80091	
SUPERVISOR: DATE:		CONSTR. CONTR. NO. N62470-BI-B-1766	
APPROVED: DATE:		SCALE: NOTED SPEC. 05-91-1766	
		SHEET 21 OF 37	
		LANTDIV DWG. NO.	







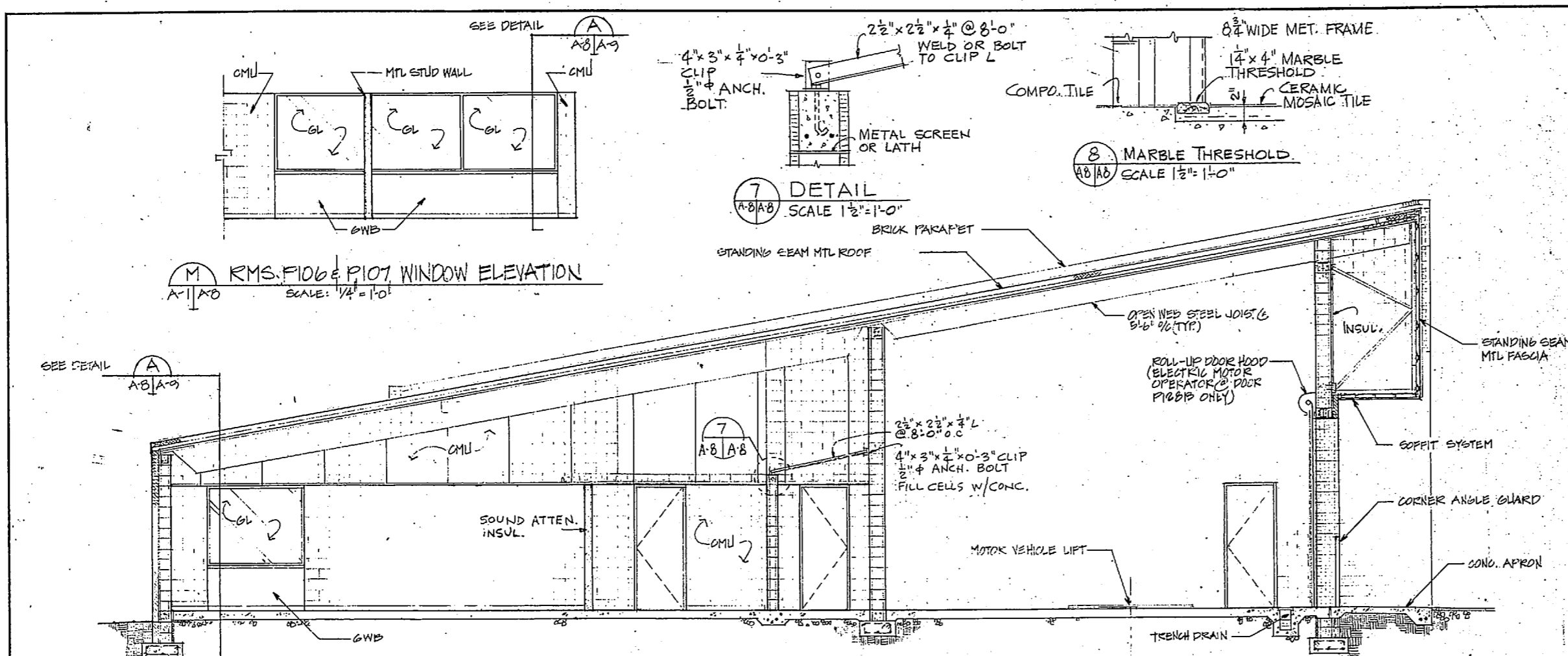
SYMBOL	REVISIONS	DESCRIPTION	DATE	APPROVED

GRAPHIC SCALES: 3/4" = 1'-0", 1" = 1'-0", 1 1/2" = 1'-0"



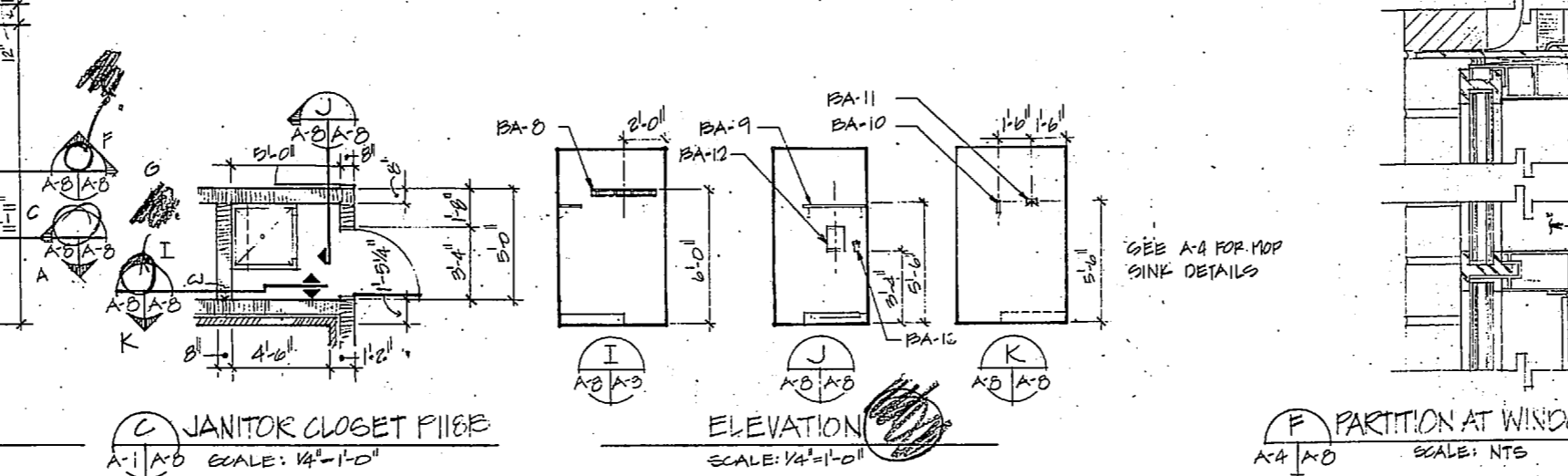
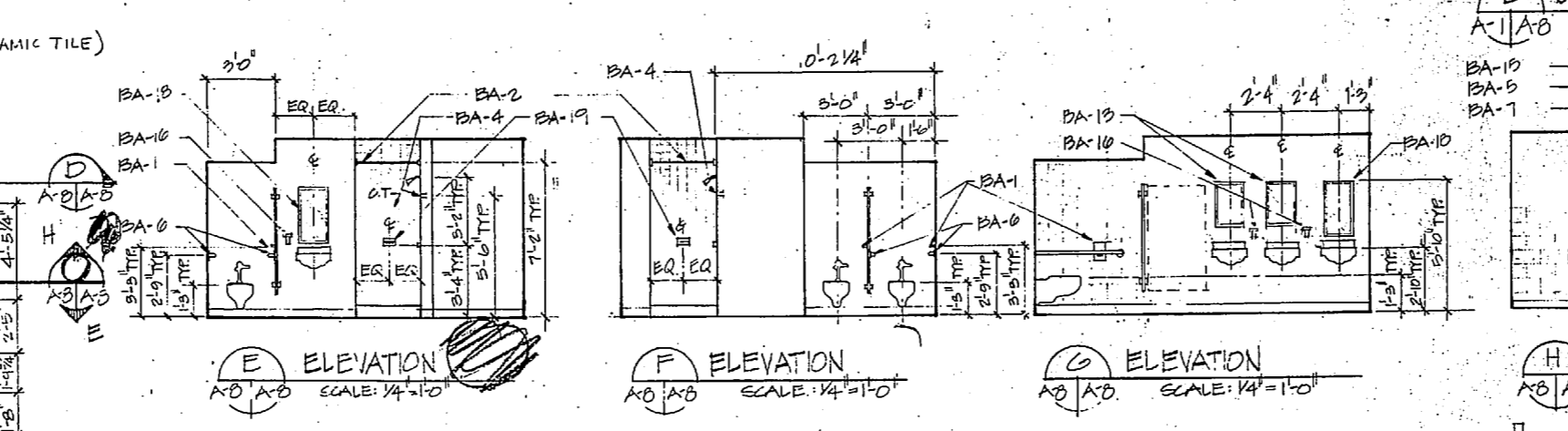
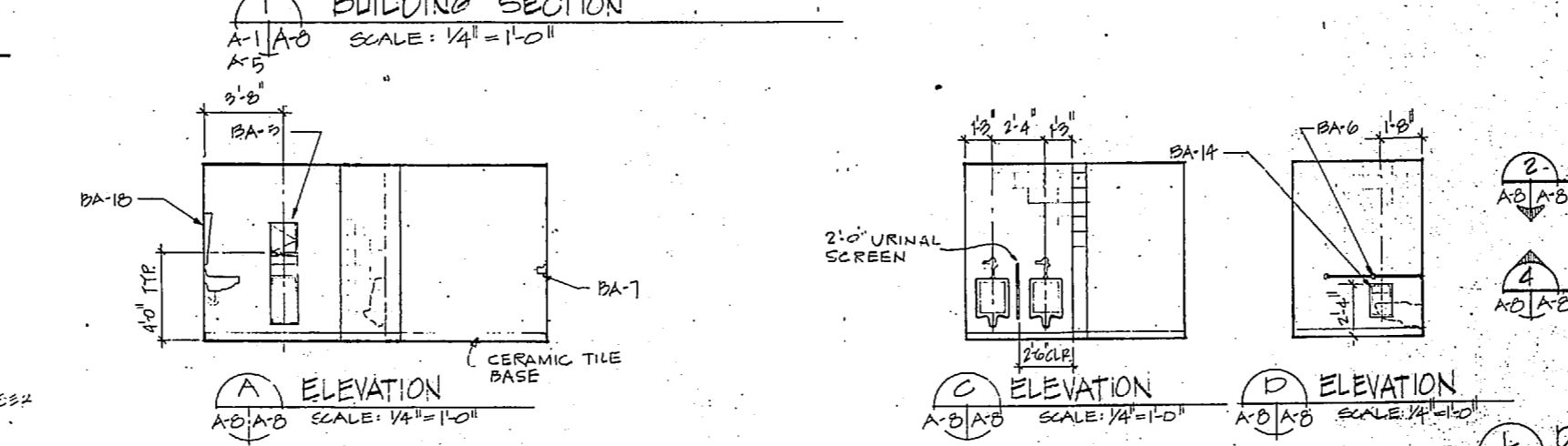
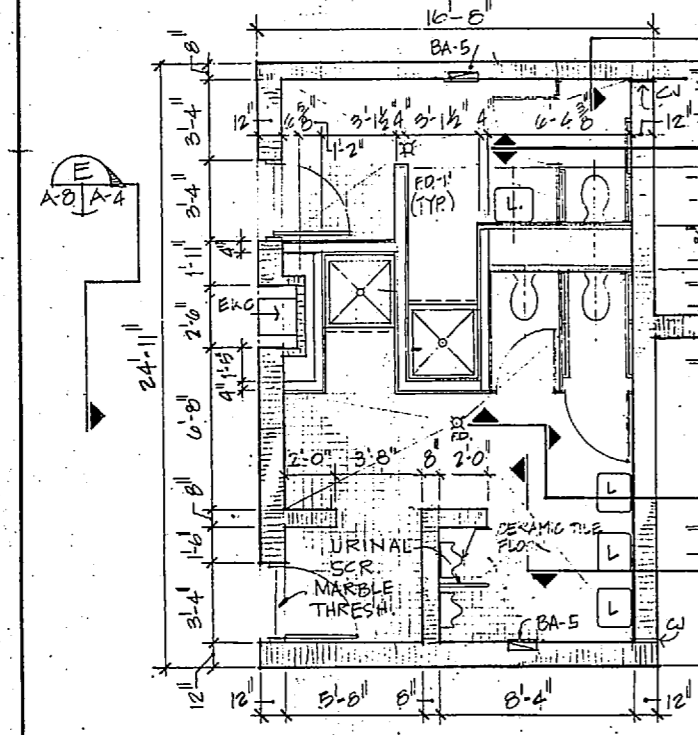
A-7		ATLANTIC DIVISION	
DEPARTMENT OF THE NAVY		NAVAL FACILITIES ENGINEERING COMMAND	
NAVAL REGIONAL MEDICAL CENTER		PAMP LEONARD, NORTH CAROLINA	
PUBLIC WORKS BUILDING		HELIPAD & LANDSCAPING	
WALL SECTIONS AND DETAILS		NAVFAC DRAWING NO.	
DESIGNED BY: DATE:	PROJ. MGR (A-7) CH. ENGR.	SIZE: F 80091	CONSTR. CONTR. NO.: N62470-81-8-1766
APPROVED: DATE:	OFFICER IN CHARGE: DATE:	SCALE: NOTED	SPEC: 05-81-1766
LOCKWOOD GREENE, INC. ARCHITECTS-ENGINEERS-PLANNERS		SHEET 22 OF 37	





- ITEM # ACCESSORIES**
- BA-1 TOILET TISSUE DISPENSERS
 - BA-2 SHOWER CURTAIN ROD
 - BA-3 NOT USED
 - BA-4 ROSE HOOD, DOUBLE
 - * BA-5 COMBINATION PAPER TOWEL DISPENSER & SOAP DISPENSER
 - BA-6 GRAB BAR (5' AND 24")
 - BA-7 ASH RECEIVER
 - BA-8 MOP & BROOM HOLDER
 - BA-9 METAL SHELF
 - BA-10 PAIL OR LADDER HOOK
 - BA-11 VACUUM HOSE HOLDER
 - BA-12 PAPER TOWEL DISPENSER
 - BA-13 COMBINATION PAPER TOWEL DISPENSER (16" x 24")
 - BA-14 SANITARY NAPKIN DISPOSAL
 - BA-15 COMBINATION SAN. NAPKIN-TAPERON DISPENSER
 - BA-16 SOAP DISPENSER 1
 - BA-17 NOT USED
 - BA-18 TILT MIRROR
 - BA-19 COMBINATION GRAB BAR, SOAP DISH (CERAMIC TILE)
- * 3" x 3/8" FLAT IR. LINTEL

BATHROOM ACCESSORY KEY

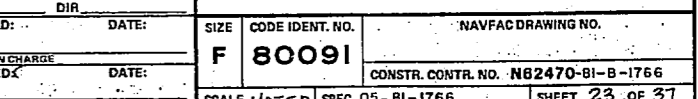
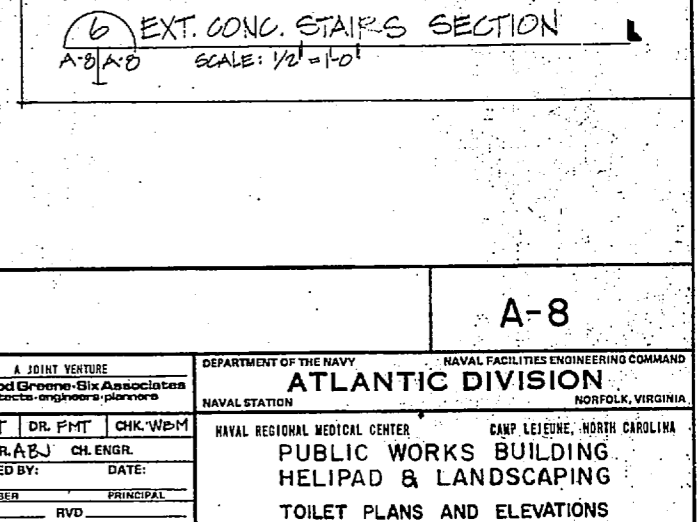
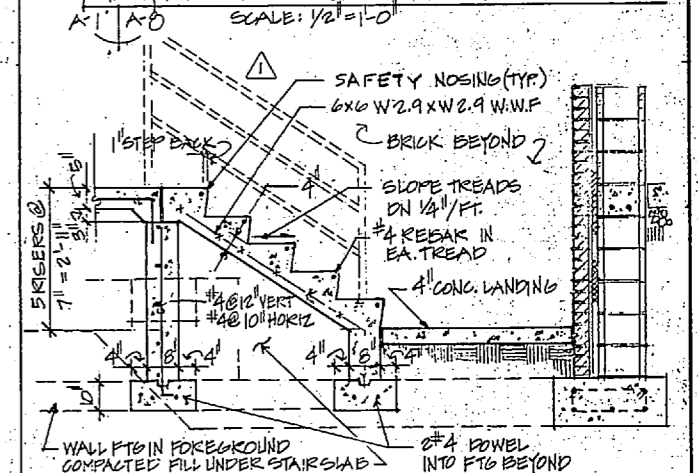
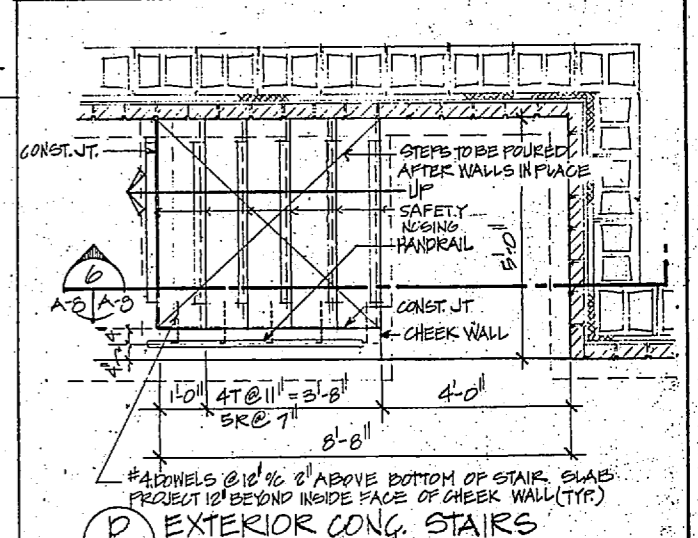
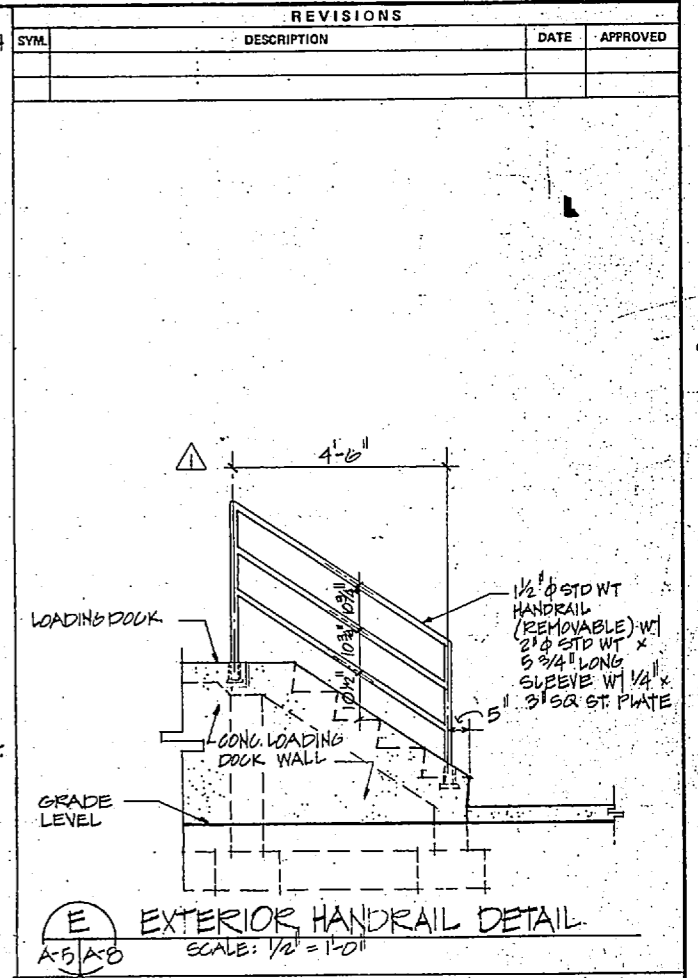
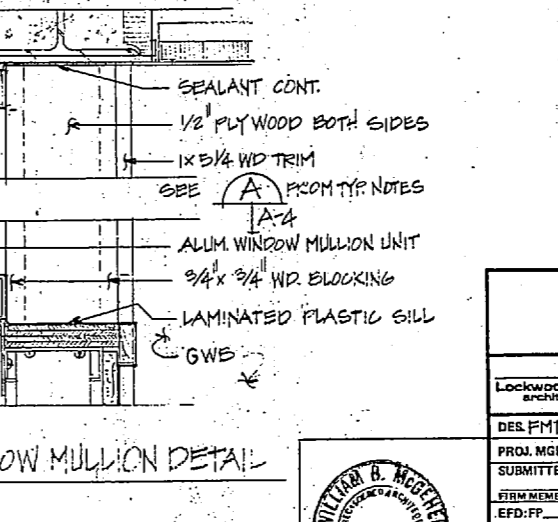
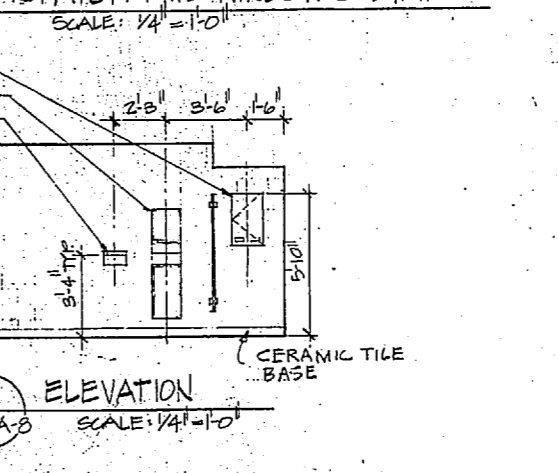
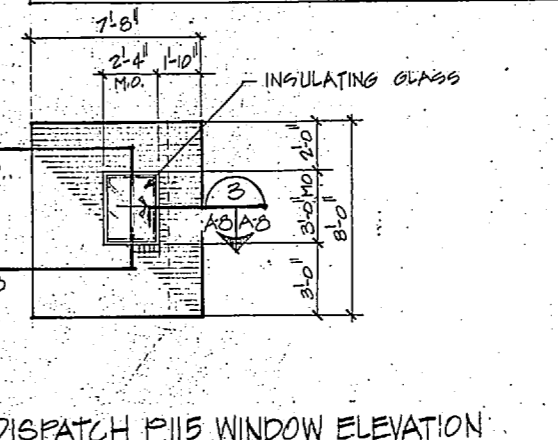
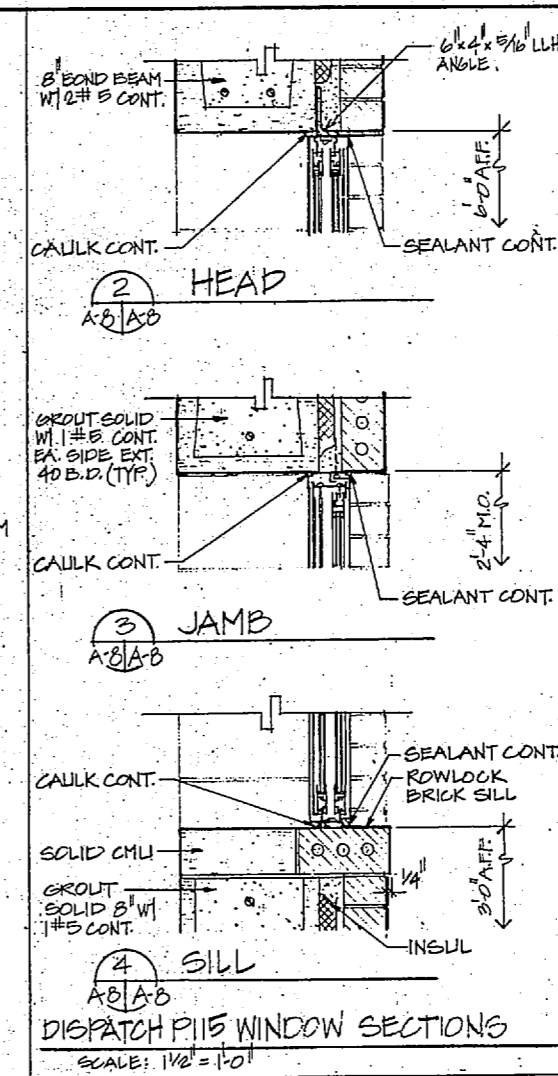
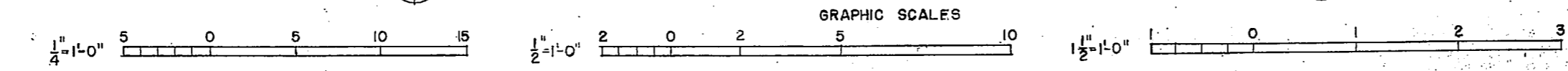


DETAIL TOILET/LOOKER REIMS
A-1/A-2 SCALE: 1/4"=1'-0"

JANITOR CLOSET FIBER
A-1/A-2 SCALE: 1/4"=1'-0"

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

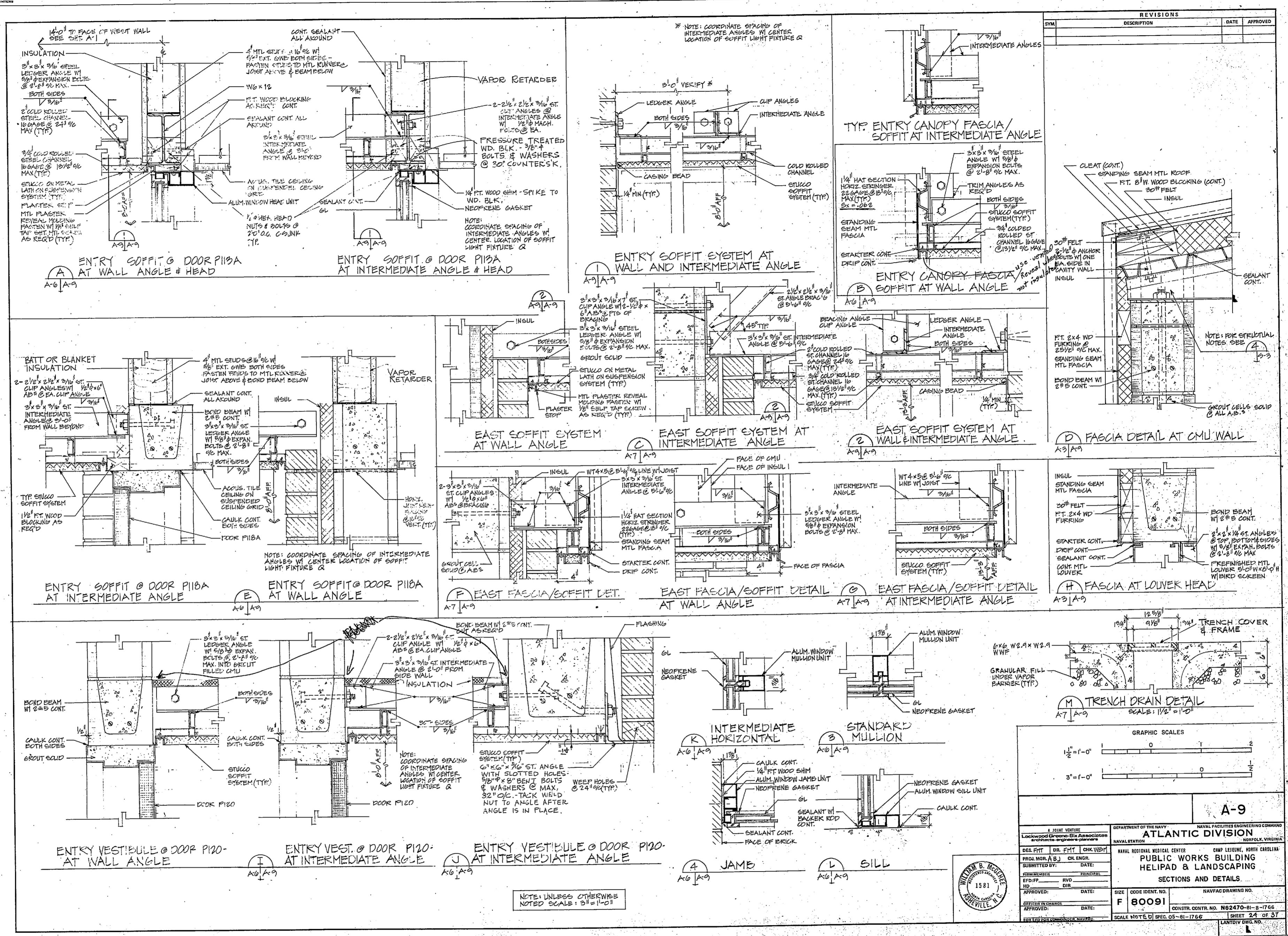
PARTITION AT WINDOW MULLION DETAIL
A-4/A-5 SCALE: NTS



REVISIONS		DATE	APPROVED

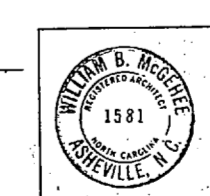
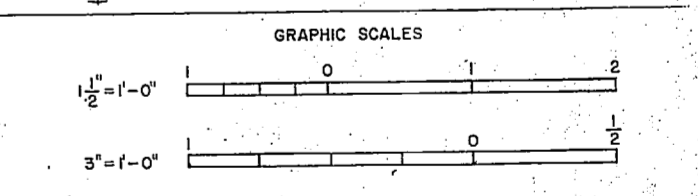
4 10111 YOUNG Lockwood Greene-Six Associates architects-engineers-planners		DEPARTMENT OF THE NAVY NAVAL STATION NAVAL FACILITIES ENGINEERING COMMAND NORFOLK, VIRGINIA	
DES. FMT PROJ. MGR. A.B.J. SUBMITTED BY: DATE: EST. MEMBER: RVD RD: DIR:		NAVAL REGIONAL MEDICAL CENTER CAMP LEJEUNE, NORTH CAROLINA PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING TOILET PLANS AND ELEVATIONS	
APPROVED: DATE: OFFICER IN CHARGE: DATE: APPROVED: DATE:		SIZE: CODE IDENT. NO.: NAVFAC DRAWING NO. F 80091 CONSTR. CONTR. NO. N62470-BI-8-1766 SCALE NOTED: SPEC. 05-BI-1766 SHEET 23 OF 37 LANTIERI ENG. INC.	



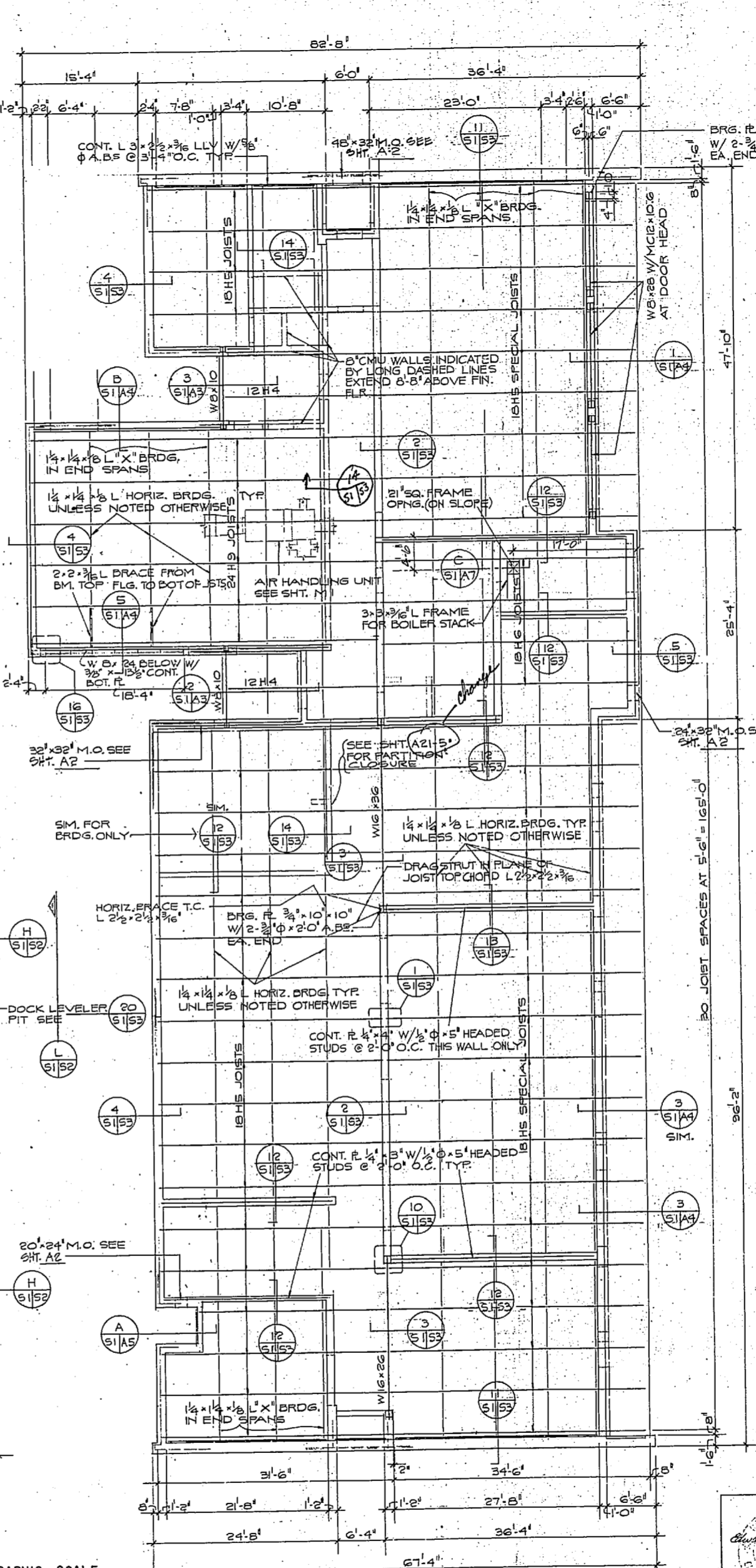
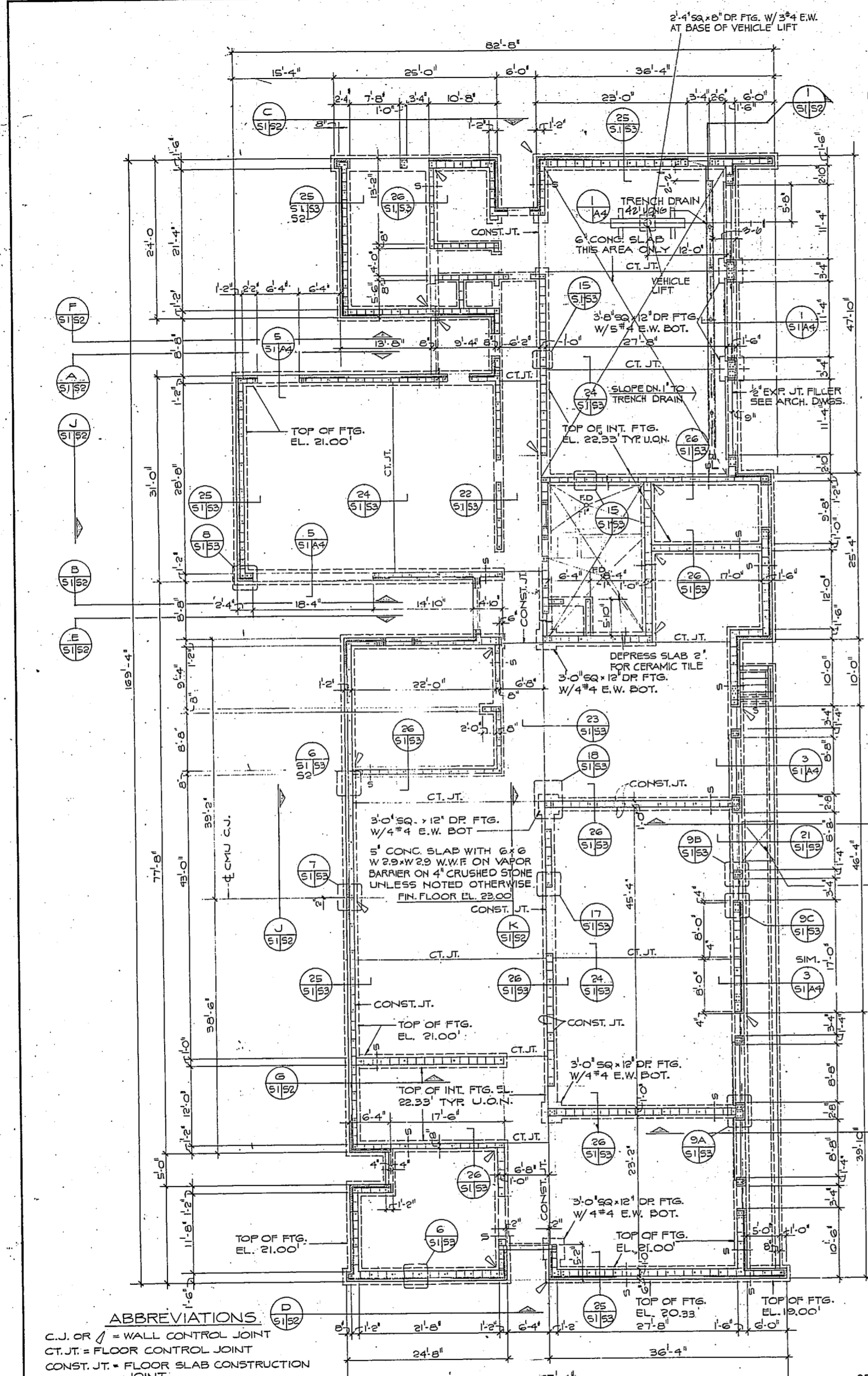


REVISIONS		
SYM.	DESCRIPTION	DATE

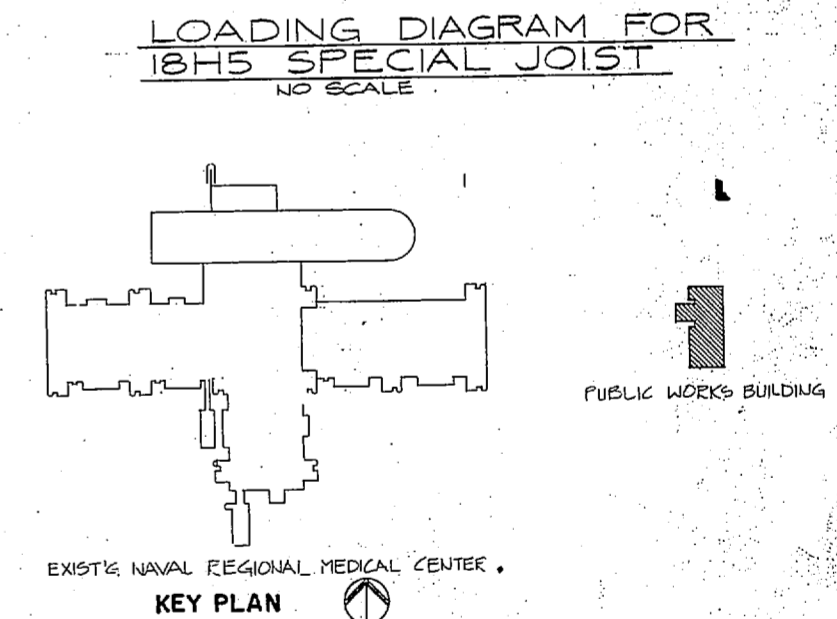
A. JOINT VENTURE Lockheed Greiner-Elis Associates Architects and Engineers, Inc.		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VIRGINIA	
DES. PNT. DR. PNT. CHK. VEST. PROJ. MOR. A. B. J. CH. ENGR.	DATE:	NAVAL REGIONAL MEDICAL CENTER CAMP LEJEUNE, NORTH CAROLINA PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING SECTIONS AND DETAILS	
SUBMITTED BY:	DATE:	SIZE: CODE IDENT. NO. NAVFAC DRAWING NO.	
FIRM NUMBER:	RVD:	F 80091	
EFD: PP:	DIV:	CONSTR. CONTR. NO. N62470-BI-B-1766	
APPROVED:	DATE:	SCALE: NOTE D) SEC. 05-81-1766 SHEET 24 OF 37	
SPECIAL IN CHARGE:	DATE:	LAND DIV. DWG. NO.	
APPROVED:	DATE:	LAND DIV. DWG. NO.	



REVISIONS		
SYM.	DESCRIPTION	DATE

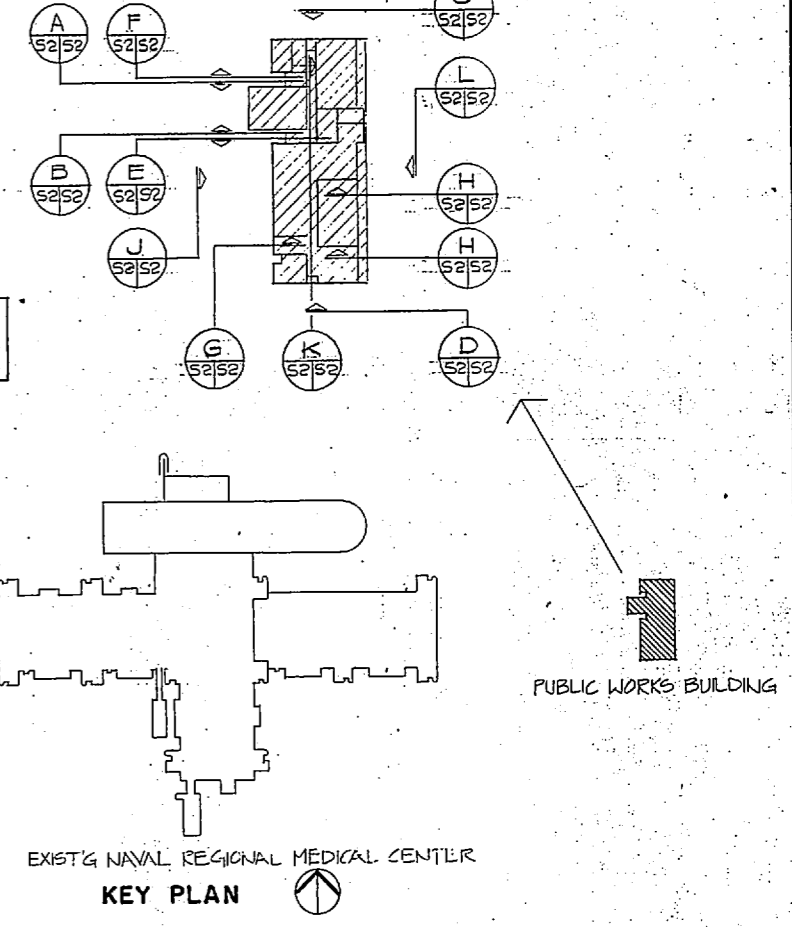
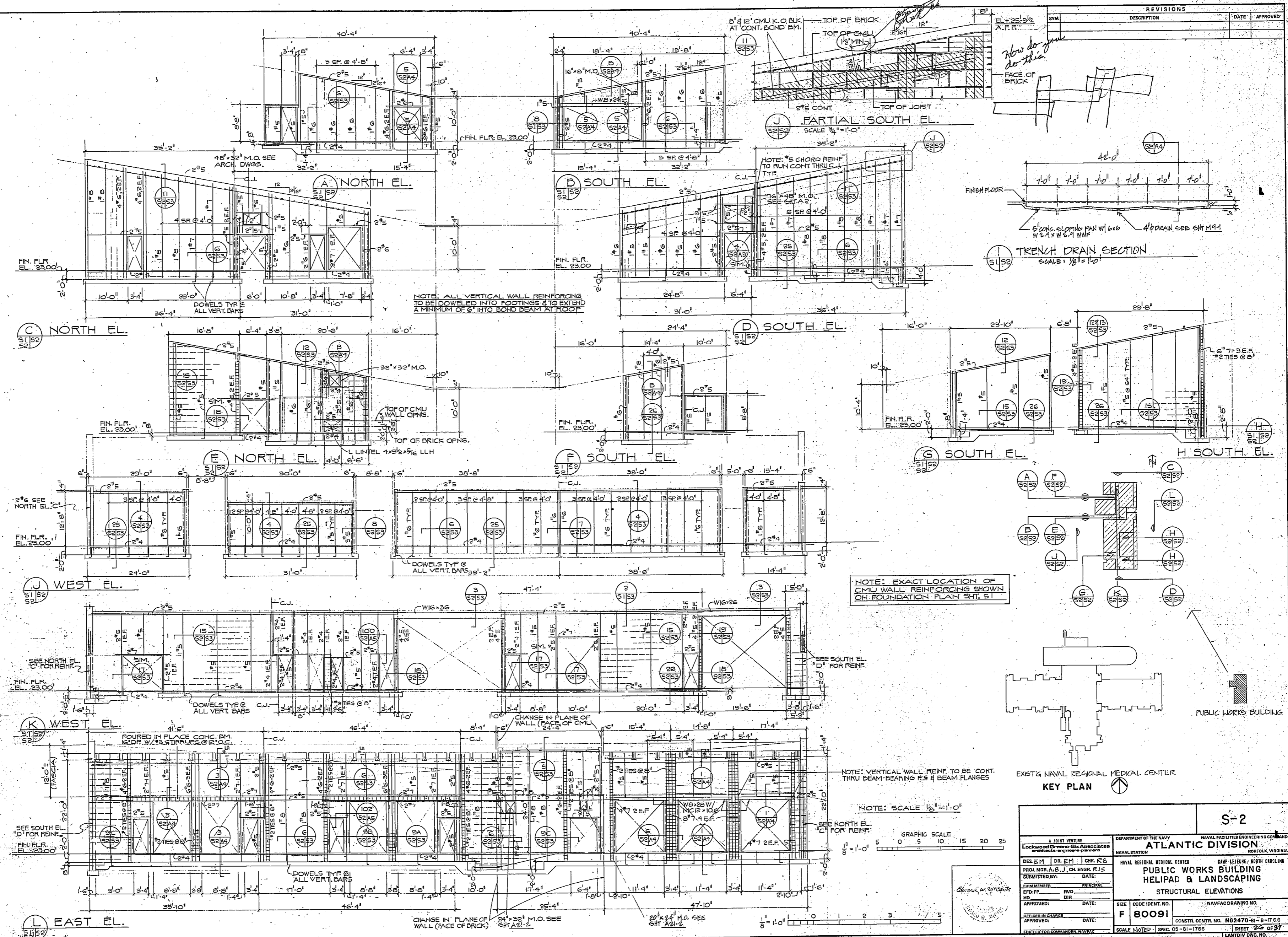


- GENERAL STRUCTURAL NOTES**
- GOVERNING CODES:
 - NAVFAC DM-2 STRUCTURAL ENGINEERING, LATEST EDITION.
 - NAVFAC P-355 SEISMIC DESIGN FOR BUILDINGS, LATEST EDITION.
 - ACI BUILDINGS CODE REQUIREMENTS FOR REINFORCED CONCRETE, LATEST EDITION.
 - SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, AISC - LATEST EDITION INCLUDING ALL SUPPLEMENTS.
 - SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY, NCM-A - LATEST EDITION.
 - STANDARD SPECIFICATIONS FOR OPEN-WEB STEEL JOISTS, H SERIES, SJI - LATEST EDITION.
 - DESIGN LOADS:
 - ROOF LIVE LOAD _____ 20 PSF
 - WIND _____ 15 MPH
 - SEISMIC LOADING ZONE I, Z = 1.25, K = 1.33
 - FOUNDATIONS
 - FOUNDATIONS ARE DESIGNED FOR A MAXIMUM SOIL PRESSURE OF 3000 PSF.
 - CONCRETE AND REINFORCING
 - ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI IN 28 DAYS.
 - REINFORCING STEEL SHALL BE GRADE 60 CONFORMING TO ASTM A-615.
 - REINFORCE ALL CONCRETE SLABS ON GRADE WITH 6x6 W29x29 W.W.F.
 - REINFORCED CONCRETE MASONRY
 - REINFORCED MASONRY DESIGN IS BASED ON $F_m = 1350$ PSI
 - REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.
 - STRUCTURAL STEEL
 - STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36.
 - SHOP CONNECTIONS ARE WELDED OR HIGH STRENGTH BOLTED, FIELD CONNECTIONS HIGH STRENGTH BOLTED. ALL BOLTS 3/4" ϕ ASTM A-325.
 - WELDS SHALL BE MADE WITH E-70 ELECTRODES.
 - OPEN WEB STEEL JOISTS
 - DESIGN SHALL BE BASED ON LOADS TABULATED IN THE SJI TABLES FOR JOIST SIZES SHOWN ON THE DRAWINGS, EXCEPT FOR SPECIAL JOISTS LOADED AS SHOWN.
 - ALL JOISTS SHALL BE DESIGNED FOR A NET UPLIFT DUE TO WIND OF 27.4 PSF.
 - STEEL ROOF DECK
 - STEEL DECK SHALL BE GALVANIZED & SHOP PRIMED.
 - STEEL DECK SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES PER FOOT OF WIDTH:
 - $S = 0.11$ IN³
 - $I = 0.18$ IN⁴
 - UNLESS OTHERWISE SHOWN, DECK SHALL BE WELDED TO ALL JOISTS AND SHEAR WALL PLATES WITH 4 PUDDLE WELDS IN EACH 30 INCH WIDTH. ALL PANEL SEAMS SHALL BE WELDED WITH 1/2 INCH SEAM WELDS AT 18 IN. O.C. PUDDLE WELDS SHALL HAVE A MINIMUM FUSION AREA OF 3/8" x 1"
 - ALL VERTICAL WALL REINFORCING TO BE DOVELOED INTO FOOTINGS AND TO EXTEND A MINIMUM OF 6" INTO BOND SM. AT ROOF.
 - $D.L. = 10 \frac{W}{L} \frac{L}{F}$
 - $D.L. = 12 \frac{W}{L} \frac{L}{F}$
 - UPLIFT (SPAN) = $151 \frac{W}{L} \frac{L}{F}$ (NET)
 - UPLIFT (CANT) = $283 \frac{W}{L} \frac{L}{F}$ (NET)
 - $D.L. = 660 \frac{W}{L} \frac{L}{F}$



S-1		NAVFAC DRAWING NO.	
DES. BY: DR. EM		DATE: _____	
CHK. BY: CH. ENGR. RJS		DATE: _____	
SUBMITTED BY: _____		DATE: _____	
REVISED BY: _____		DATE: _____	
APPROVED: _____		DATE: _____	
SUPERVISING ENGINEER: _____		DATE: _____	
APPROVED: _____		DATE: _____	
SCALE: NOTED		SPEC. 05-91-1766	
SHEET: 25 OF 27		LANTDIV DWG. NO.	

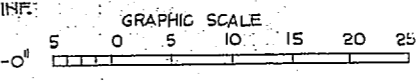
SYMBOL	DESCRIPTION	DATE	APPROVED



NOTE: EXACT LOCATION OF CMU WALL REINFORCING SHOWN ON FOUNDATION PLAN SHIT. 51

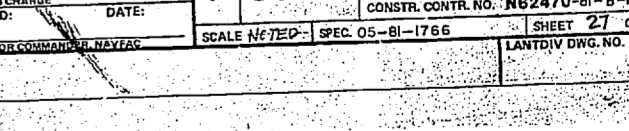
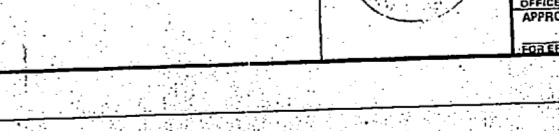
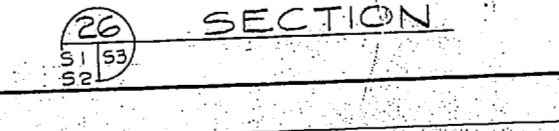
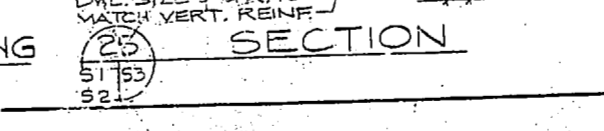
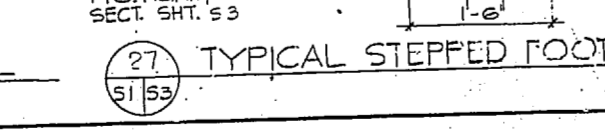
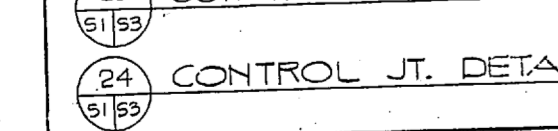
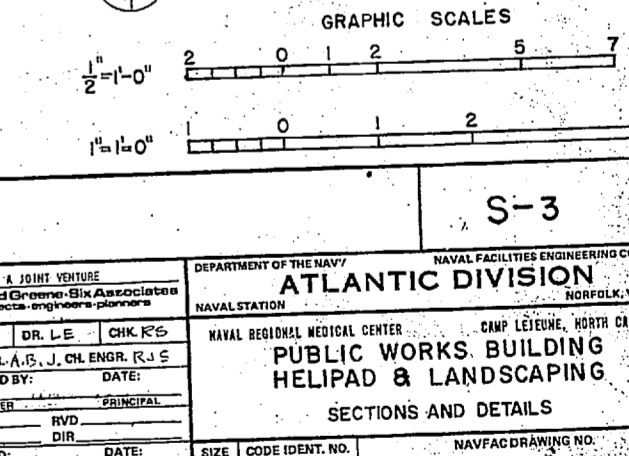
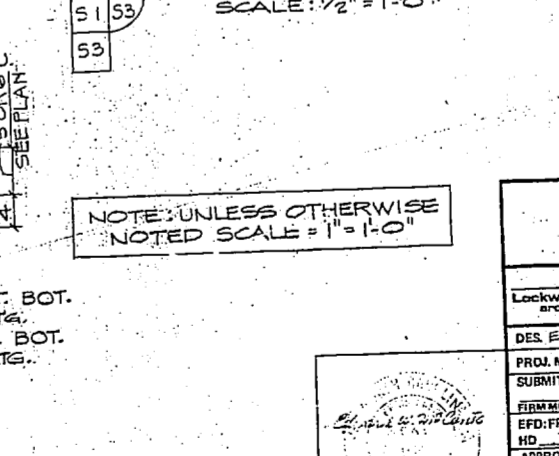
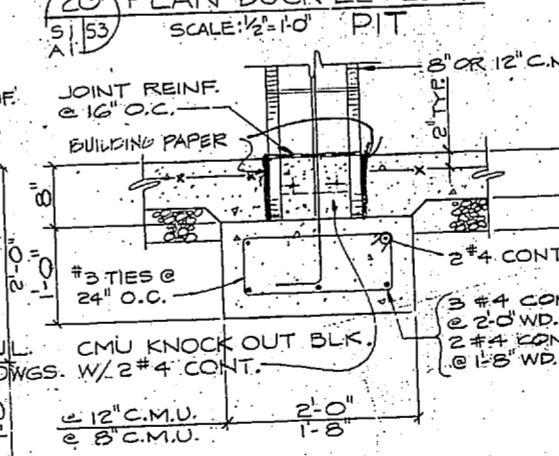
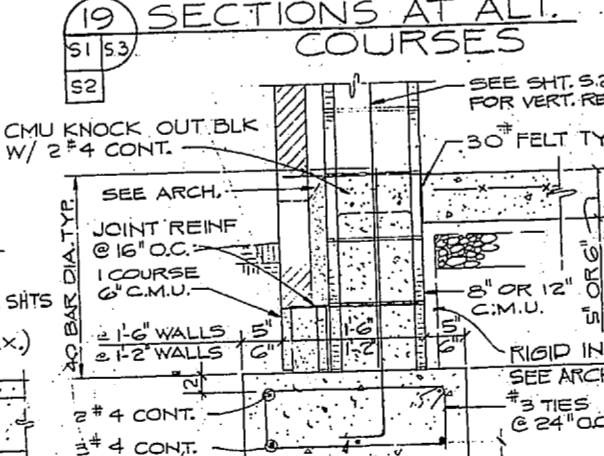
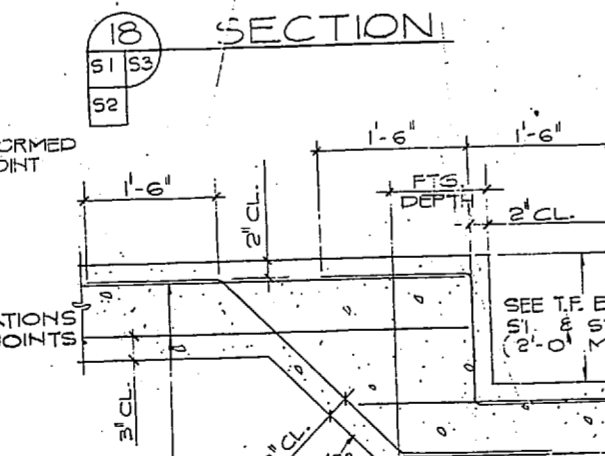
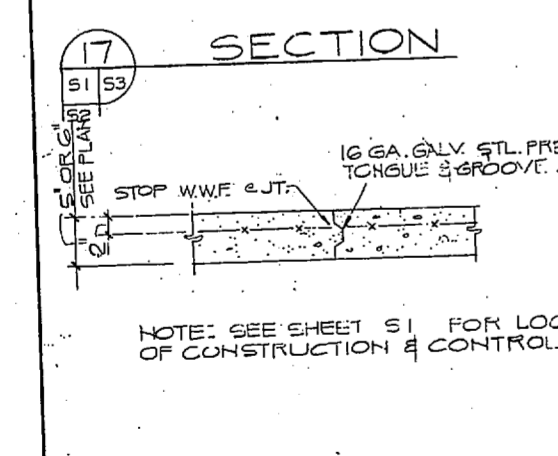
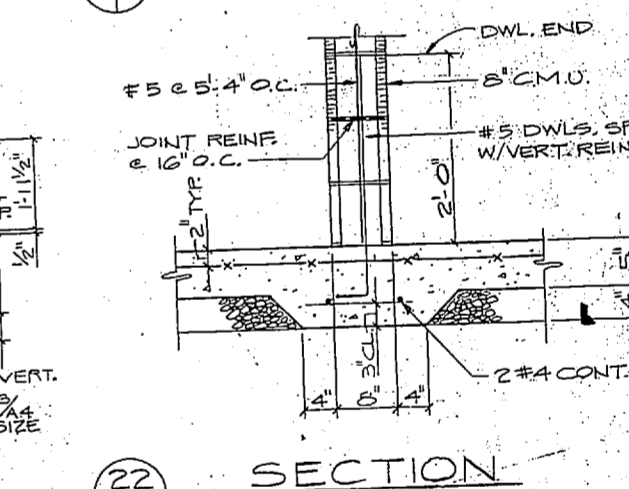
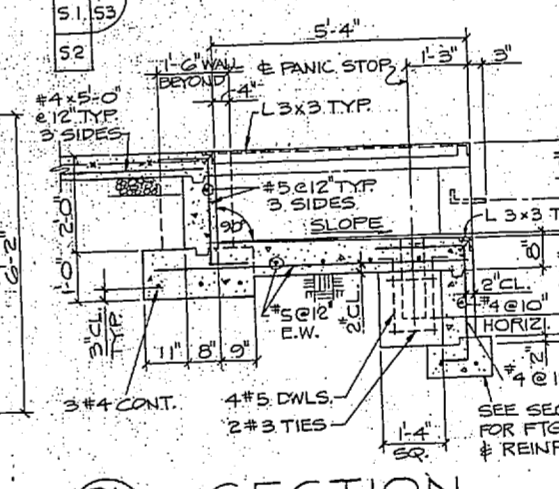
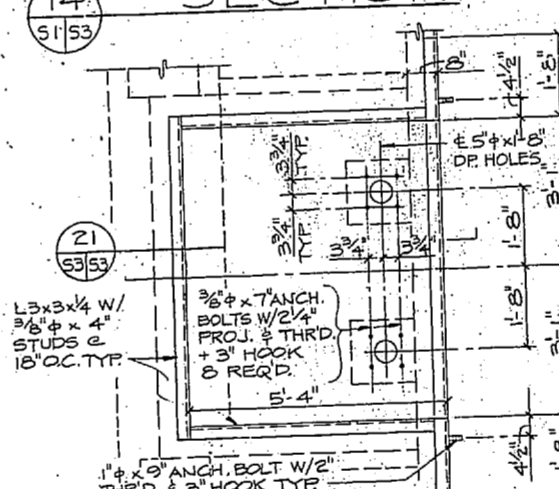
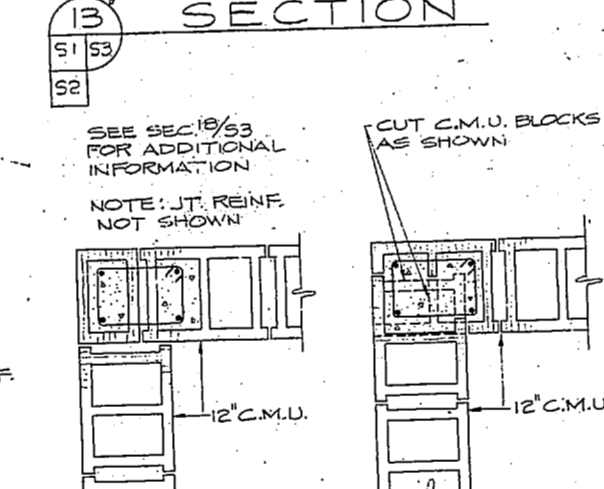
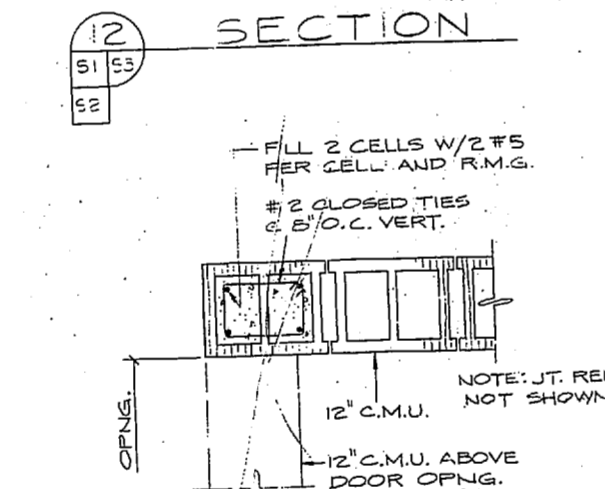
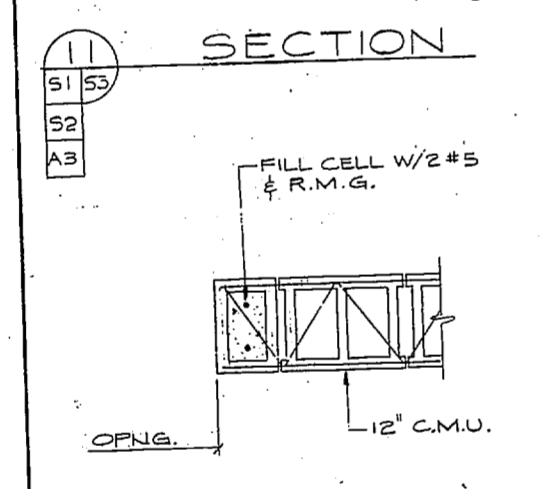
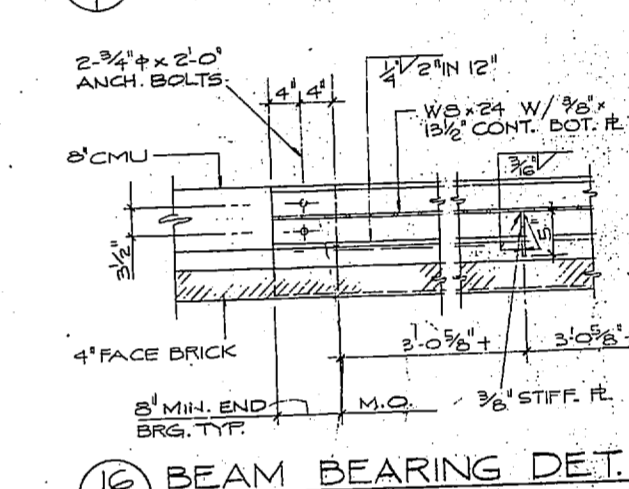
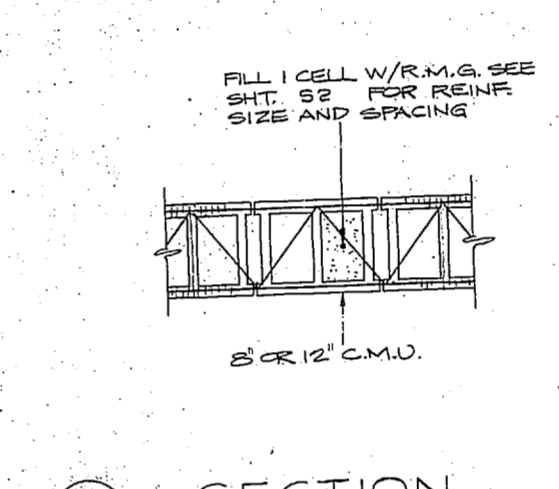
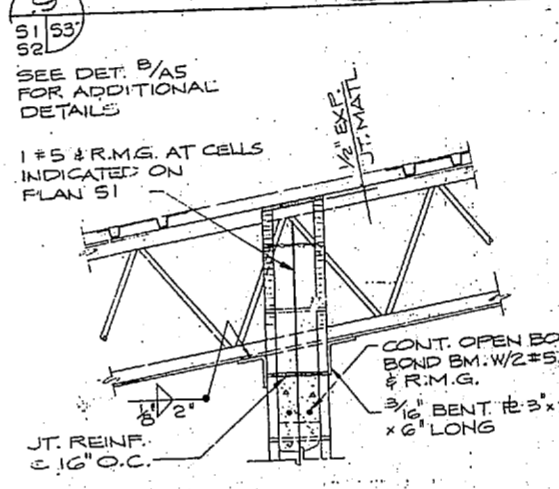
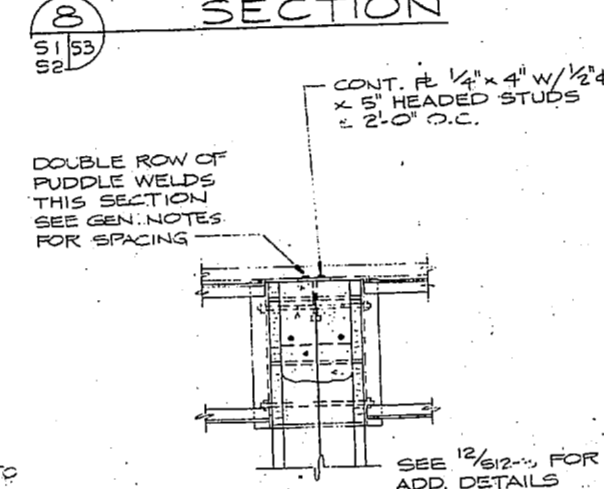
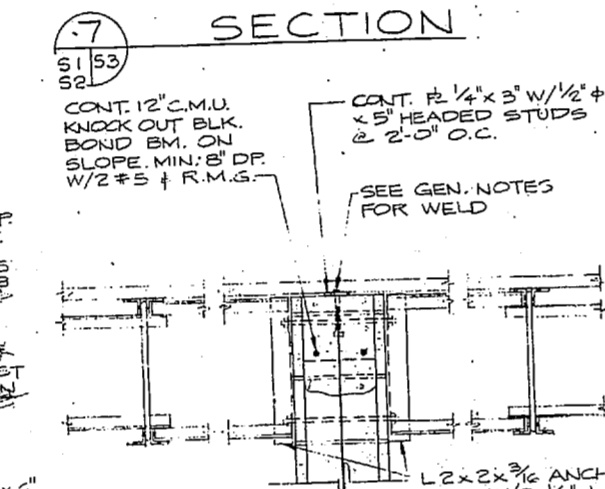
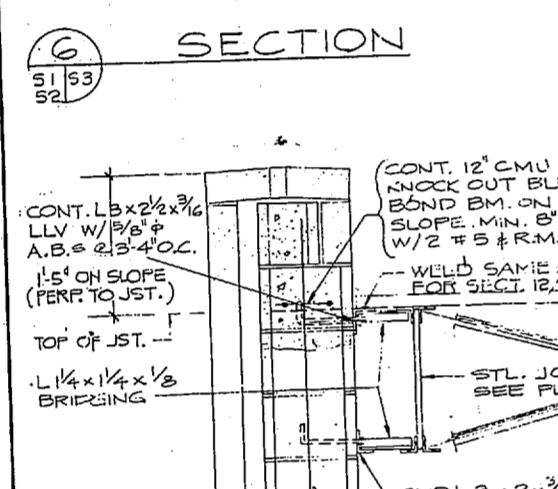
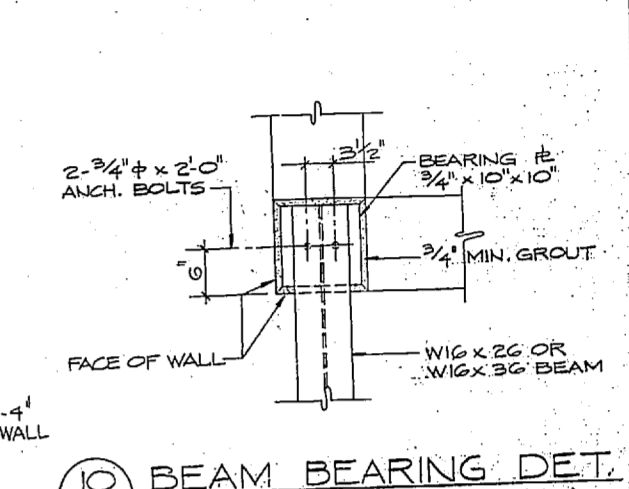
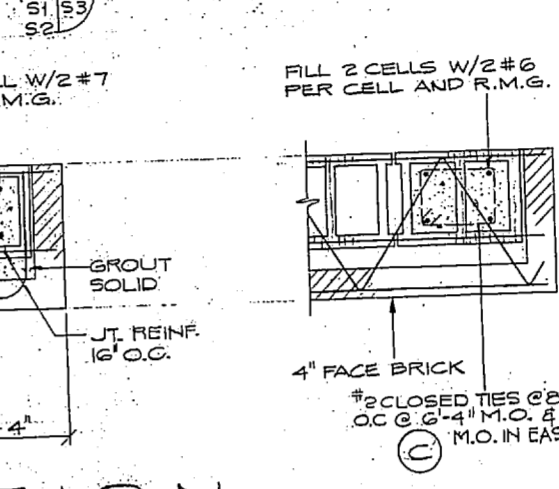
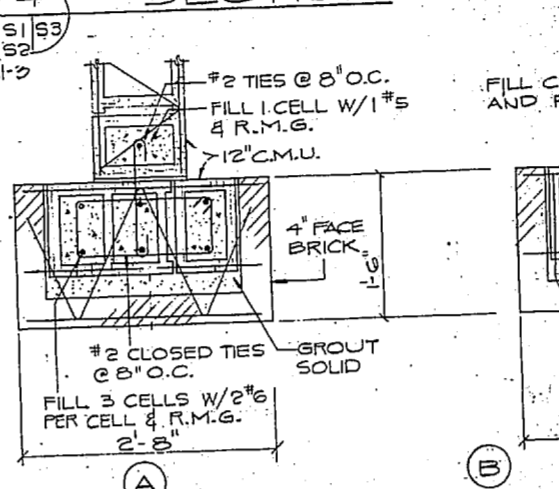
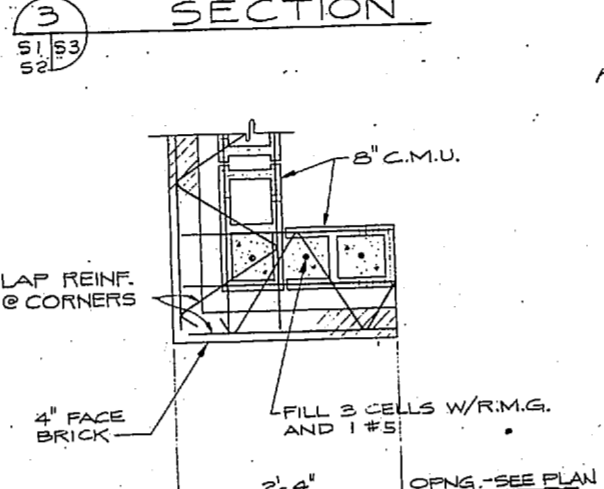
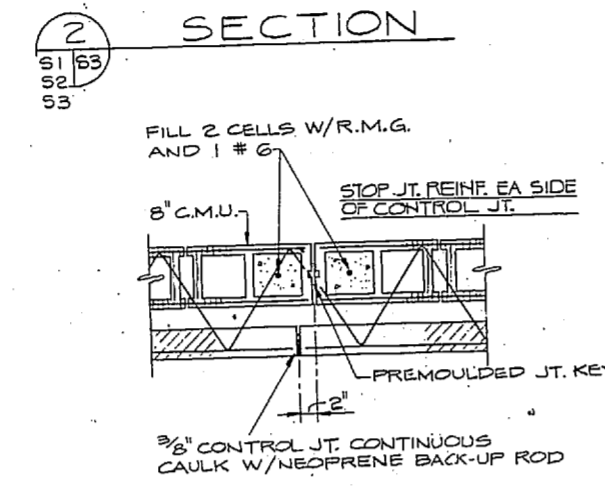
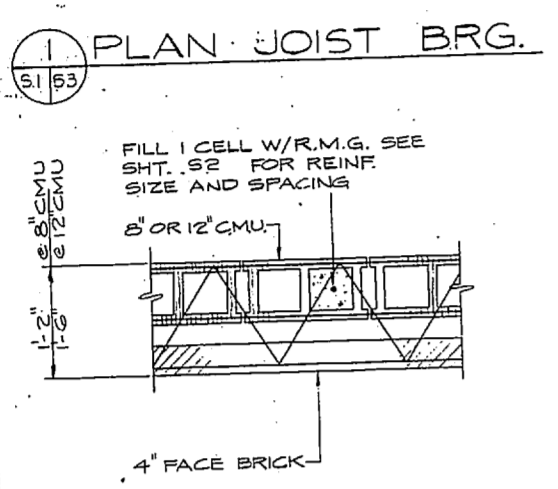
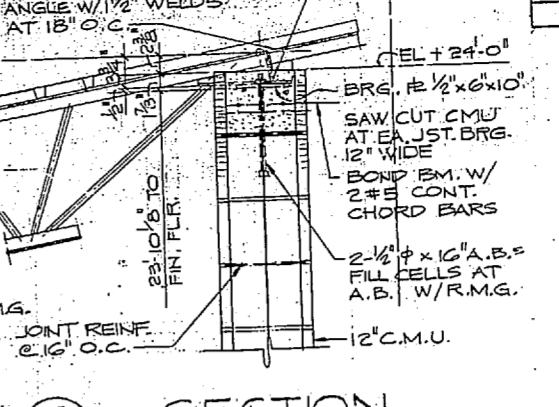
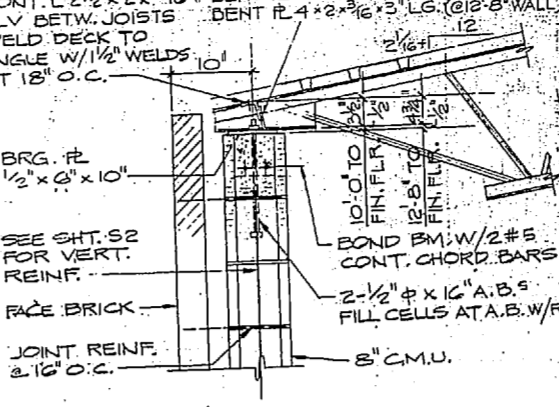
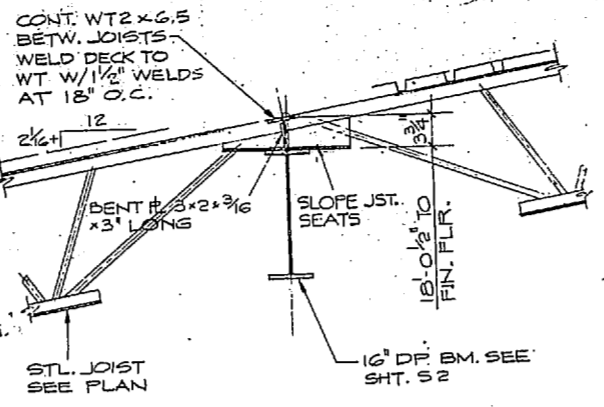
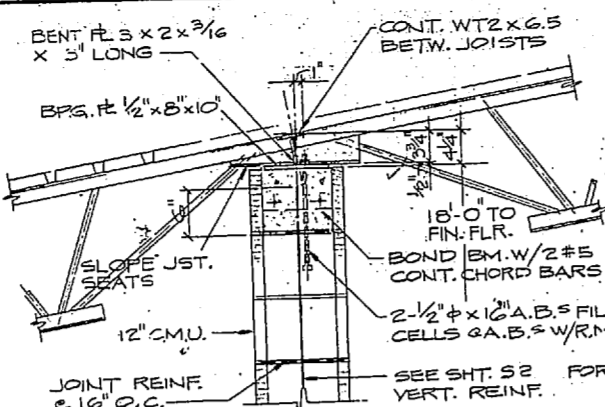
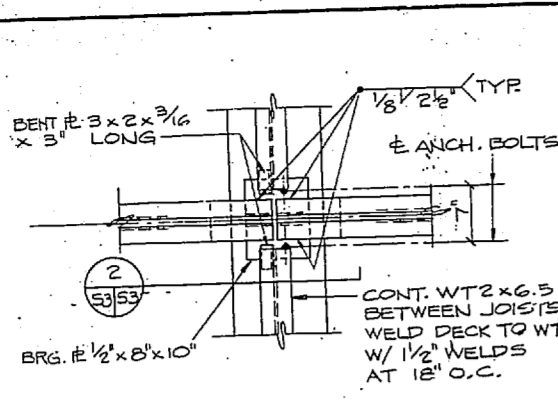
NOTE: VERTICAL WALL REINF. TO BE CONT. THRU BEAM BEARING FLE & BEAM FLANGES

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



S-2	
DEPARTMENT OF THE NAVY ATLANTIC DIVISION <small>NAVAL STATION NORFOLK, VIRGINIA</small>	
NAVAL REGIONAL MEDICAL CENTER PUBLIC WORKS BUILDING HILIPAD & LANDSCAPING STRUCTURAL ELEVATIONS	
DES. EM PROJ. MGR. A. B. J. CH. ENGR. R. J. S. SUBMITTED BY: DATE: APPROVED: RVD DIR	SIZE: CODE IDENT. NO. F 80091 NAVFAC DRAWING NO. CONSTR. CONTR. NO. N82470-81-9-1766 SCALE: 1/8" = 1'-0" SPEC. 05-81-1766 SHEET 22 OF 37 LAND DIV. DRG. NO.

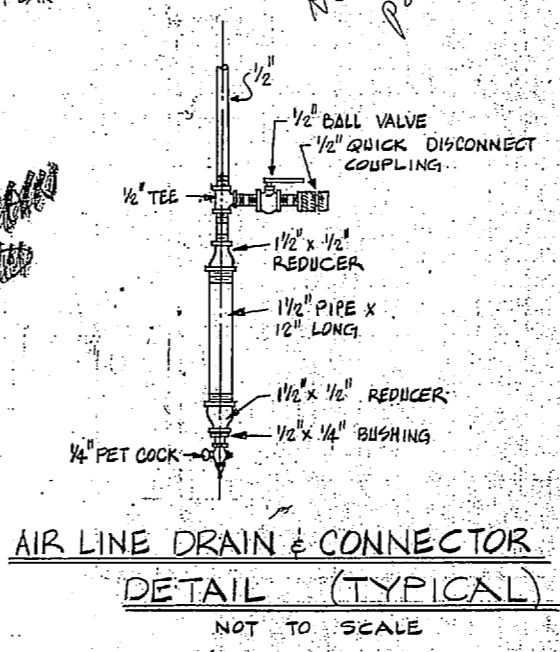
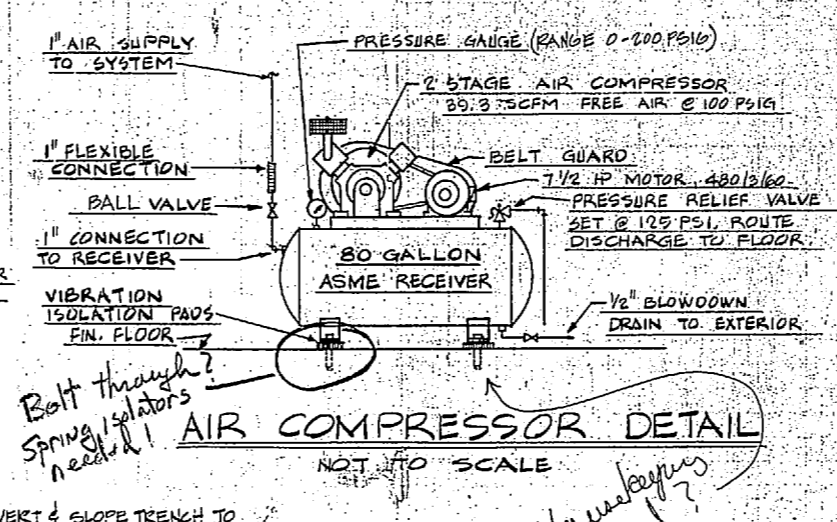
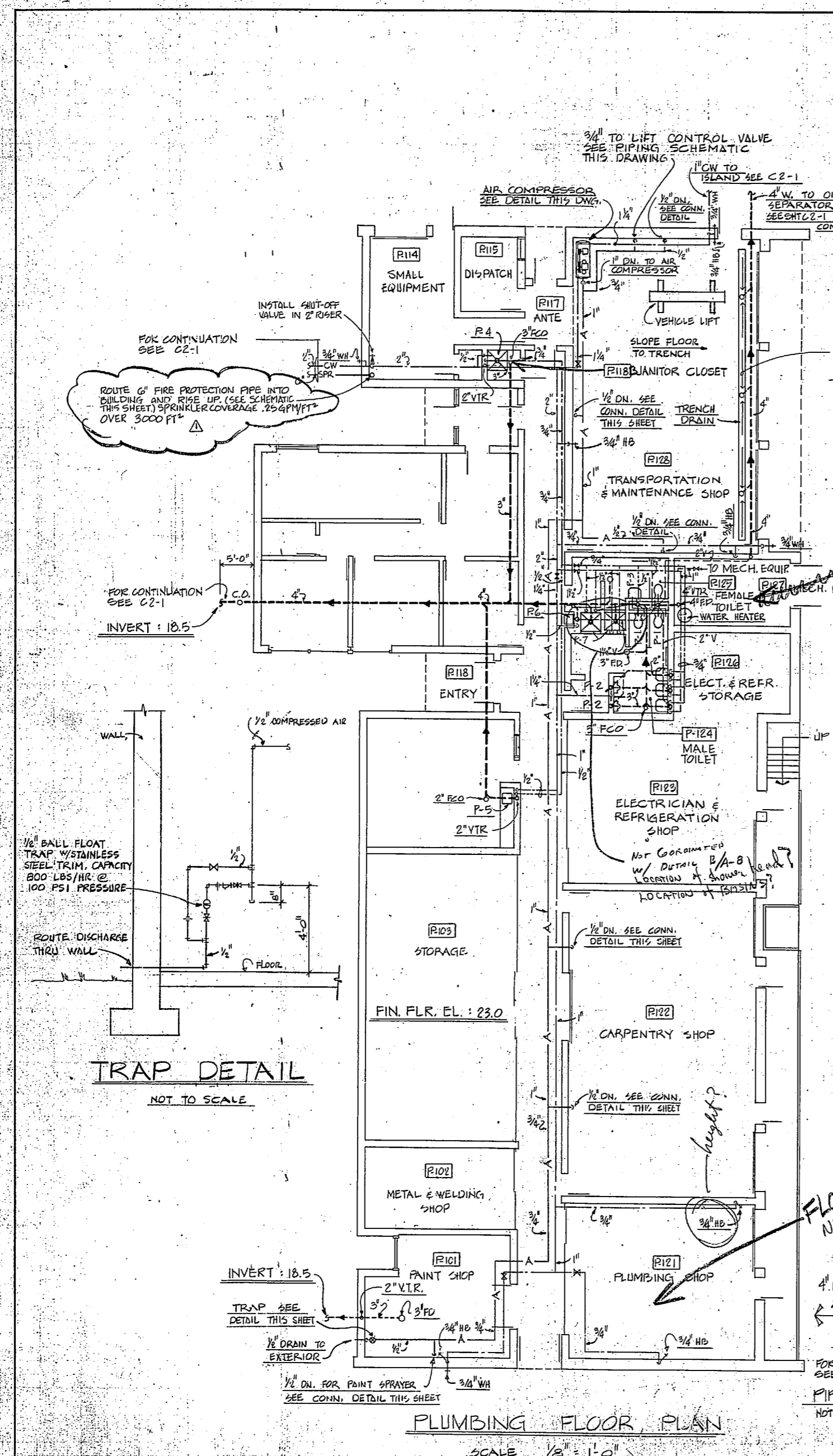




S-3

LOCKWOOD GREENE & ASSOCIATES ARCHITECTS ENGINEERS PLANNERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DES. BY DR. L.E. CHK. R.S.		NAVAL STATION	
PROJ. MGR. A.B. J. CHL. ENGR. R.J.S.		NAVAL REGIONAL MEDICAL CENTER	
SUBMITTED BY: DATE:		CAMP LEJEUNE, NORTH CAROLINA	
FIRM/USER: PRINCIPAL		PUBLIC WORKS BUILDING	
EFD: PPD		HELIPAD & LANDSCAPING	
NO. DIR.		SECTIONS AND DETAILS	
APPROVED: DATE:		SIZE: CODE IDENT. NO. NAVFAC DRAWING NO.	
SUPER INCHARGE: DATE:		F 80091	
APPROVED: DATE:		CONSTR. CONTR. NO. N62470-BI-8-1766	
FOR LEAD: DATE:		SCALE: NOTED - SEC. 05-BI-1766 SHEET 27 OF 37	
FOR LEAD: DATE:		LAND DIV. DWG. NO.	





PLUMBING LEGEND

---	SANITARY SEWER, UNDERFLOOR
---	COLD WATER MAIN
---	FIRE PROTECTION PIPING
---	VENT PIPING
---	DOMESTIC COLD WATER PIPING
---	DOMESTIC HOT WATER PIPING
---	AIR PIPING
---	INTERIOR HOSE BIBB W/ VAC. BREAKER
---	EXTERIOR WALL HYDRANT W/ VAC. BKE.
---	FLOOR CLEAN OUT
---	WALL CLEAN OUT
---	VENT THRU ROOF
---	GATE VALVE
---	STRAINER
---	BALL VALVE
---	UNION

REVISIONS

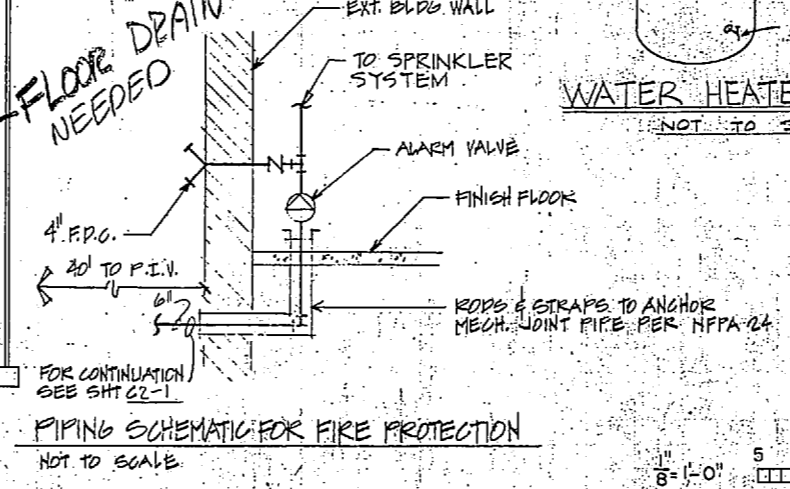
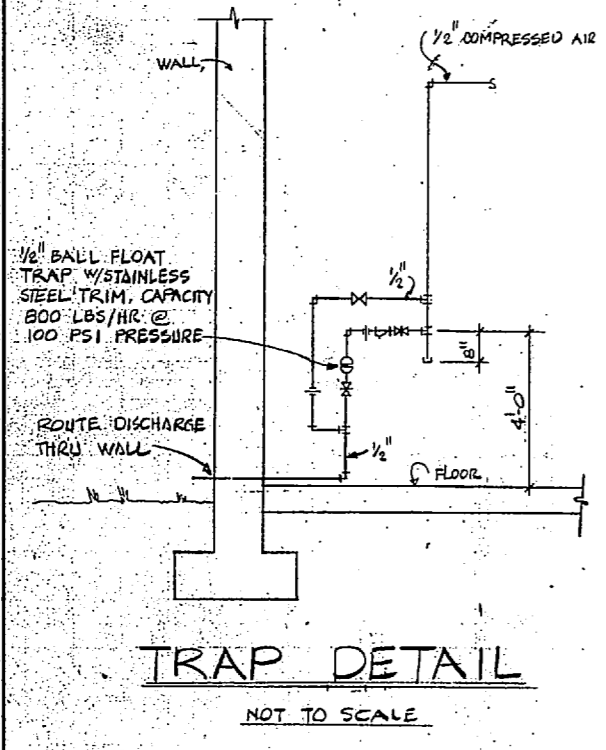
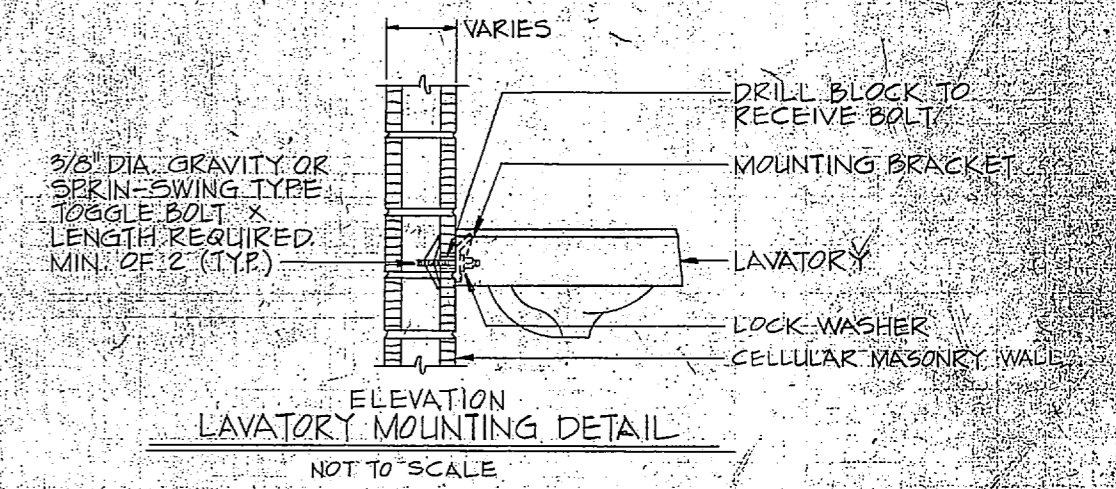
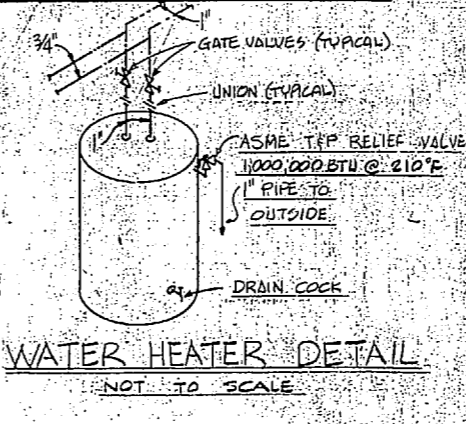
SYM.	DESCRIPTION	DATE	APPROVED

PLUMBING FIXTURE SCHEDULE

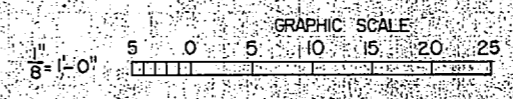
ITEM	FIXTURE	TYPE	CW	HW	WASTE	VENT
P-1	WATER CLOSET	FLUSH VALVE WALL HUNG	1"	—	4"	2"
P-2	URINAL	FLUSH VALVE WALL HUNG	1"	—	3"	2"
P-3	LAVATORY	FLUSH VALVE WALL HUNG	1/2"	1/2"	1 1/2"	1 1/2"
P-4	SERVICE SINK	36" x 30" x 16"	3/4"	3/4"	3"	2"
P-5	KITCHEN SINK	36" x 30" x 16"	1/2"	1/2"	1 1/2"	2"
P-6	WATER COOLER	ELECTRIC	1/2"	—	2"	—
P-7	SHOWER	36" x 36"	1/2"	1/2"	1 1/2"	1 1/2"

WATER HEATER: 52 GAL., 5KW, 208V/10/60HZ., 25 G.P.H. RECOVERY AT 60°F RISE.

- #### GENERAL PLUMBING NOTES:
- ROUTE ALL DOMESTIC HOT AND COLD WATER PIPES AS HIGH AS POSSIBLE.
 - ROUTE ALL AIR PIPING AS HIGH AS POSSIBLE.
 - ROUTE ALL HORIZONTAL VENT PIPING AS HIGH AS POSSIBLE.
 - VENTS THRU THE ROOF SHALL BE CENTERED BETWEEN TWO STANDING SEAMS ON THE ROOF.

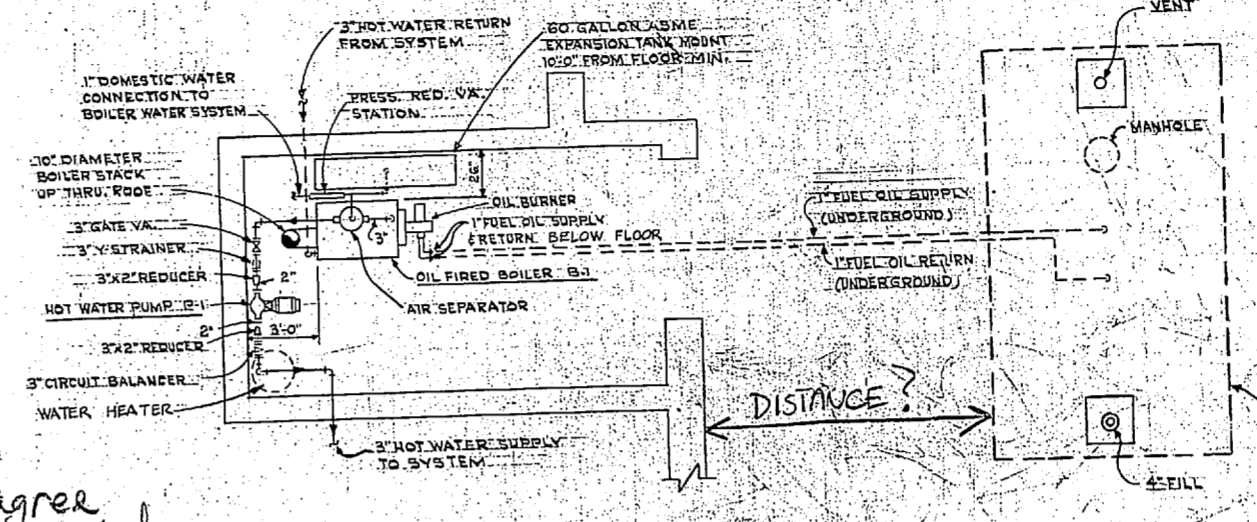
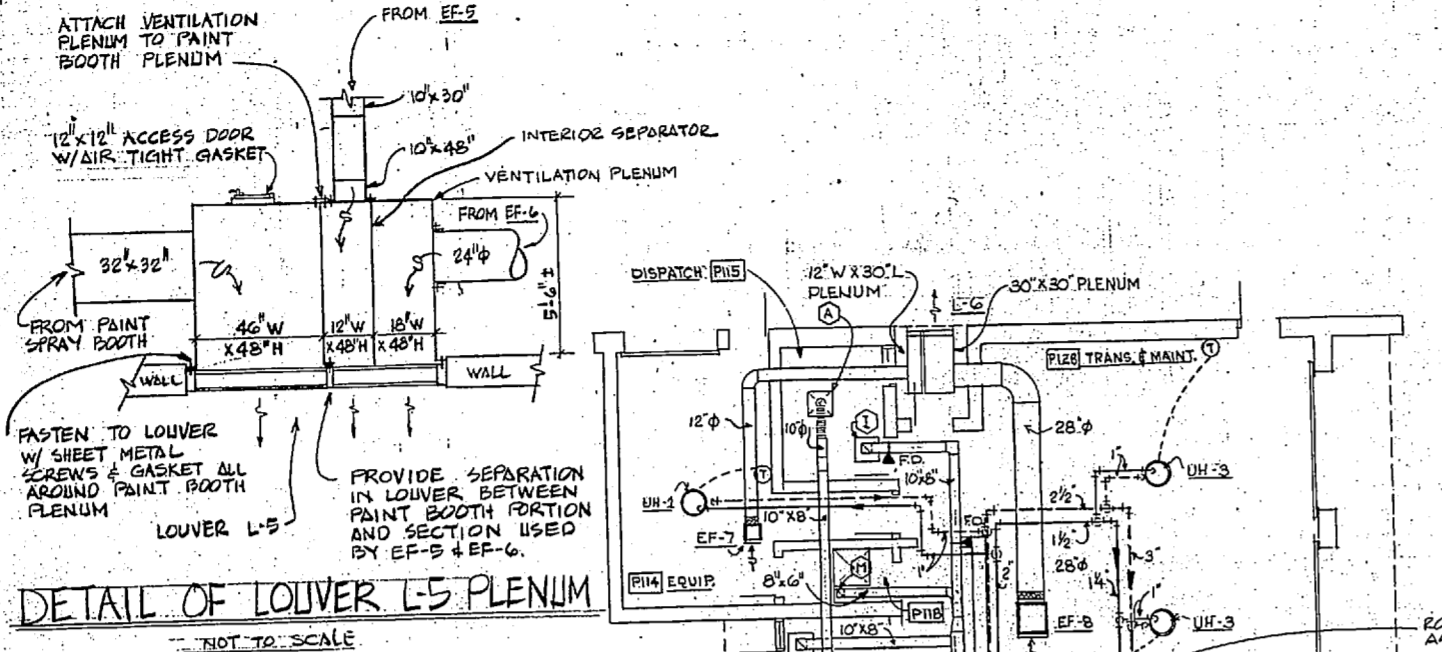


LOCKWOOD GREENE & ASSOCIATES ARCHITECTS AND ENGINEERS 1000 BAYVIEW BLVD., SUITE 100 BALTIMORE, MD 21201 TEL: (410) 528-1000		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION 1000 BAYVIEW BLVD., SUITE 100 BALTIMORE, MD 21201 TEL: (410) 528-1000	
DESIGN BY: CAB, J. OR, EPH, CHK, JML	DATE: 10/1/81	SCALE: AS SHOWN	PROJECT: PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING
APPROVED: [Signature]	DATE: 10/1/81	SCALE: AS SHOWN	PROJECT: PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING
OFFICE RECORD: [Signature]	DATE: 10/1/81	SCALE: AS SHOWN	PROJECT: PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING

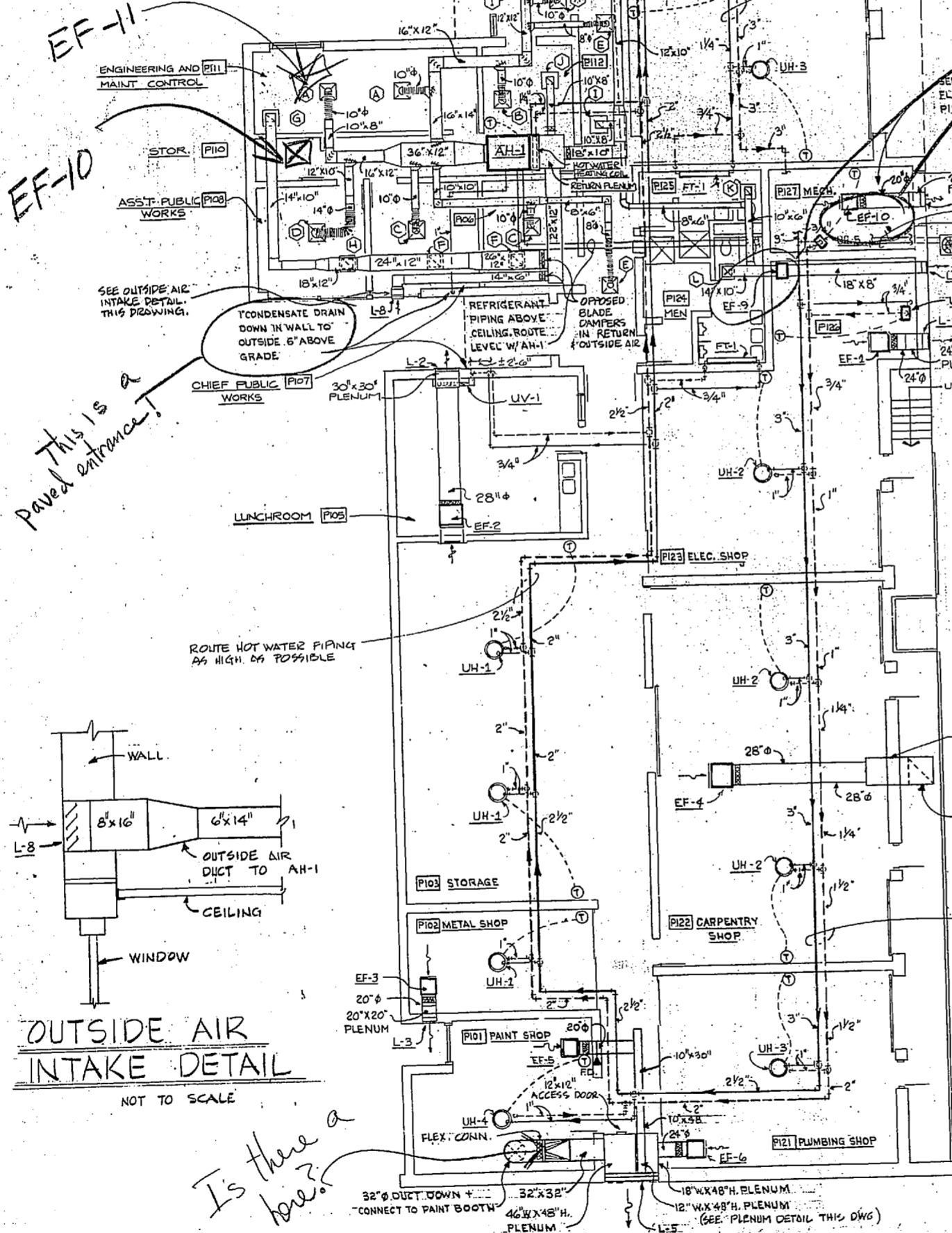




REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED



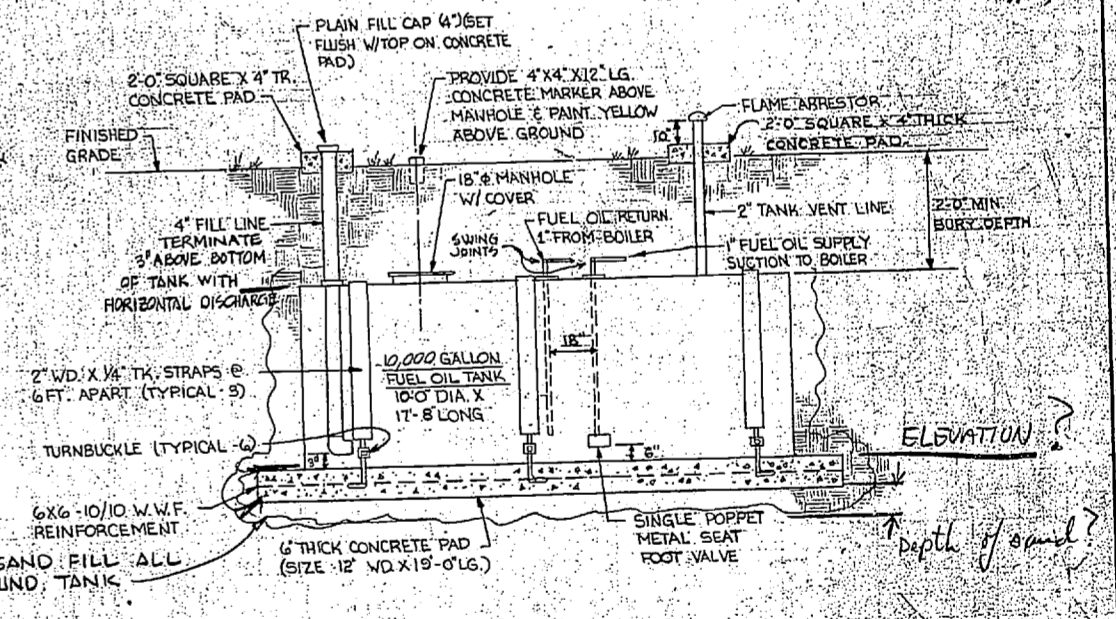
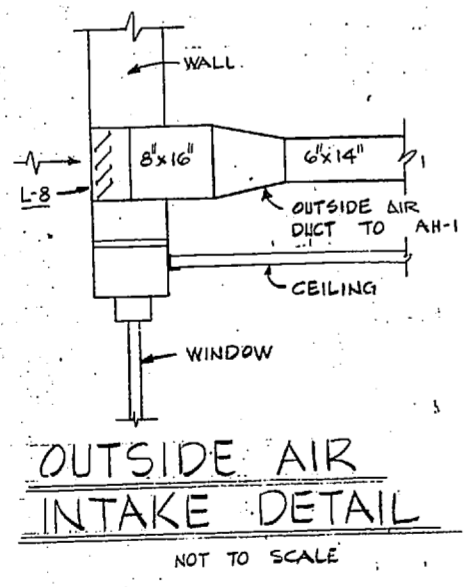
MECHANICAL LEGEND	
	HOT WATER SUPPLY
	HOT WATER RETURN
	GATE VALVE
	CIRCUIT BALANCING VALVE
	UNION
	UNIT HEATER
	FIN TUBE RADIATION
	EXHAUST FAN
	WALL LOUVER
	PUMP
	THERMOMETER
	GLOBE VALVE
	PRESSURE REDUCING VALVE
	PIPE REDUCER
	2 WAY MODULATING CONTROL VALVE
	OPPOSED BLADE DUCT HTR VOLUME DAMPER
	FIRE DAMPER



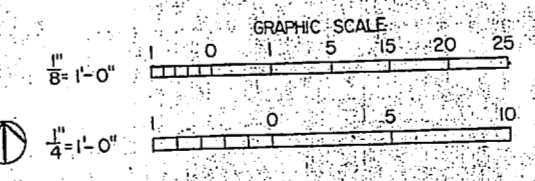
MECHANICAL ROOM FLOOR PLAN
SCALE: 1/4" = 1'-0"

BOILER PIPING DIAGRAM
NO SCALE

UNDERGROUND FUEL OIL TANK DETAIL
NO SCALE



I JOHN WATSON Lockwood Greene & Associates Architects Engineers Planners		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION	
DES: CD	DR: DR	CHK: J.M.L.	DATE: 11/15/51
PROJ. MGR: A.B.J.	CH. ENGR: J.M.L.	NAVAL REGIONAL MEDICAL CENTER, CAMP LEJEUNE, WAREHAM, N.C. PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING	
SUBMITTED BY: _____	DATE: _____	MECHANICAL HVAC FLOOR PLAN AND DIAGRAMS SIZE: F 80091 CONSTRUCTION NO: H62470-91-2-1766 SCALE: AS SHOWN SPEC. 05-91-1766 SHEET: 25 OF 37	
APPROVED: _____	DATE: _____	OFFICER IN CHARGE: _____ APPROVED: _____ FOR LIEUTENANT COMMANDER, NAVY	





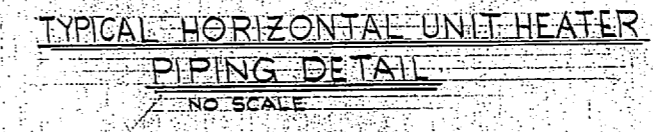
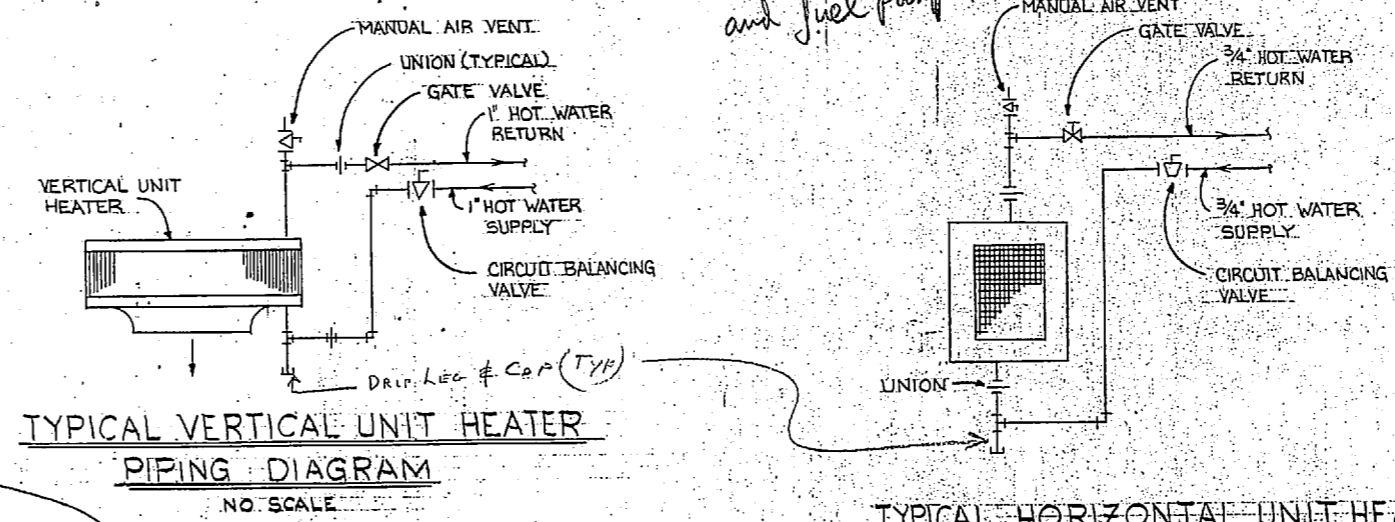
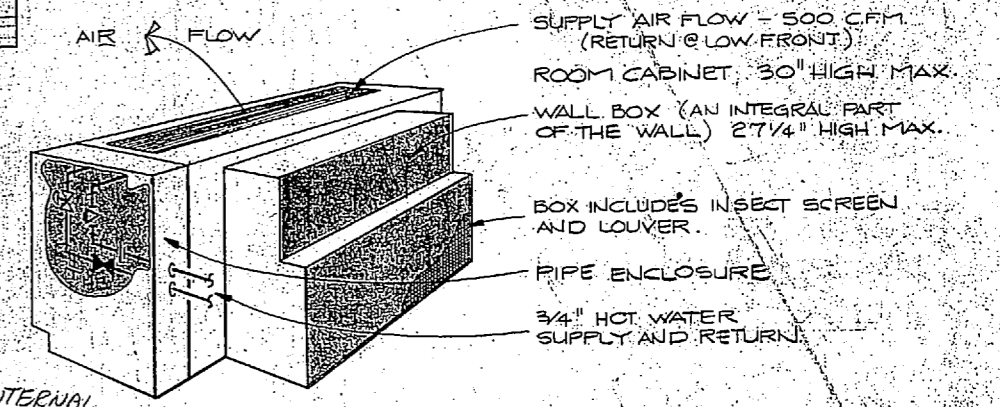
SPLIT SYSTEM AIR CONDITIONER															DESIGN CONDITIONS																	
INDOOR UNIT DATA					COOLING DATA					HEATING DATA					OUTDOOR UNIT DATA					SUMMER					WINTER							
UNIT NO.	CFM	E.S.P. INCHES	H.P.	VOLTAGE	TOTAL MBH	ENTERING AIR DB°F	ENTERING AIR WB°F	MAX. F.V.	REFRIG. ROWS	E.A.T. DB°F	L.A.T. DB°F	MBH	GPM.	PRESS. DROP	E.W.T. °F	UNIT NO.	CFM	KV	FLA	LRA	VOLTAGE	N.B.	H.P.	FLA	VOLTAGE	INDOOR TEMP. DB°F	INDOOR TEMP. WB°F	INDOOR TEMP. DB°F	INDOOR TEMP. WB°F	INDOOR TEMP. DB°F	INDOOR TEMP. WB°F	
AH-1	3000	300	0.65	1	460/3/60	74.8	79.2	66.9	300	R-22	63.9	74.8	35.3	10	6.4 FT.	180	C-1	4600	8.1	10.9	71.0	460/3/60	1	1/2	1.8	460/1/60	78.0	65.0	90.0	88.0	68.0	25.0

THRU-WALL SELF-CONTAINED UNIT VENTILATOR														
COOLING DATA					HEATING DATA					ELECTRIC DATA				
SYMBOL	CFM	C.F.M. O.A.	BTU/H CAPACITY	INDOOR DB	OUTDOOR DB	BTU/H CAPACITY	ENT. AIR WB°F	ENT. AIR WB°F	G.P.M.	MAX. VLV SIZE	VOLTS	PH.	HZ.	
UV-1	500	135	18,500	78	65	15,000	180	180	3	1 FT.	277	1	60	

DIFFUSER AND GRILLE SCHEDULE					
SYMBOL	TYPE	NECK SIZE	CFM	N.C.	
A	24" X 24" LAY-IN	10" Ø	300	.03	22
B	24" X 24" LAY-IN	10" Ø	260	.02	23
C	24" X 24" LAY-IN	10" Ø	340	.04	25
D	24" X 24" LAY-IN	14" Ø	500	.03	28
E	24" X 24" LAY-IN	8" Ø	150	.01	20
F	24" X 24" LAY-IN	10" X 10"	240	.03	20
G	24" X 24" LAY-IN	14" X 14"	600	.03	27
H	24" X 24" LAY-IN	12" X 12"	560	.04	25
I	24" X 24" LAY-IN	10" X 10"	300	.03	20
J	24" X 24" LAY-IN	10" X 10"	280	.02	20
K	24" X 24" LAY-IN	10" X 10"	210	.02	20
L	24" X 24" LAY-IN	14" X 14"	480	.02	20
M	6" X 6" LAY-IN	6" X 6"	65	.02	20

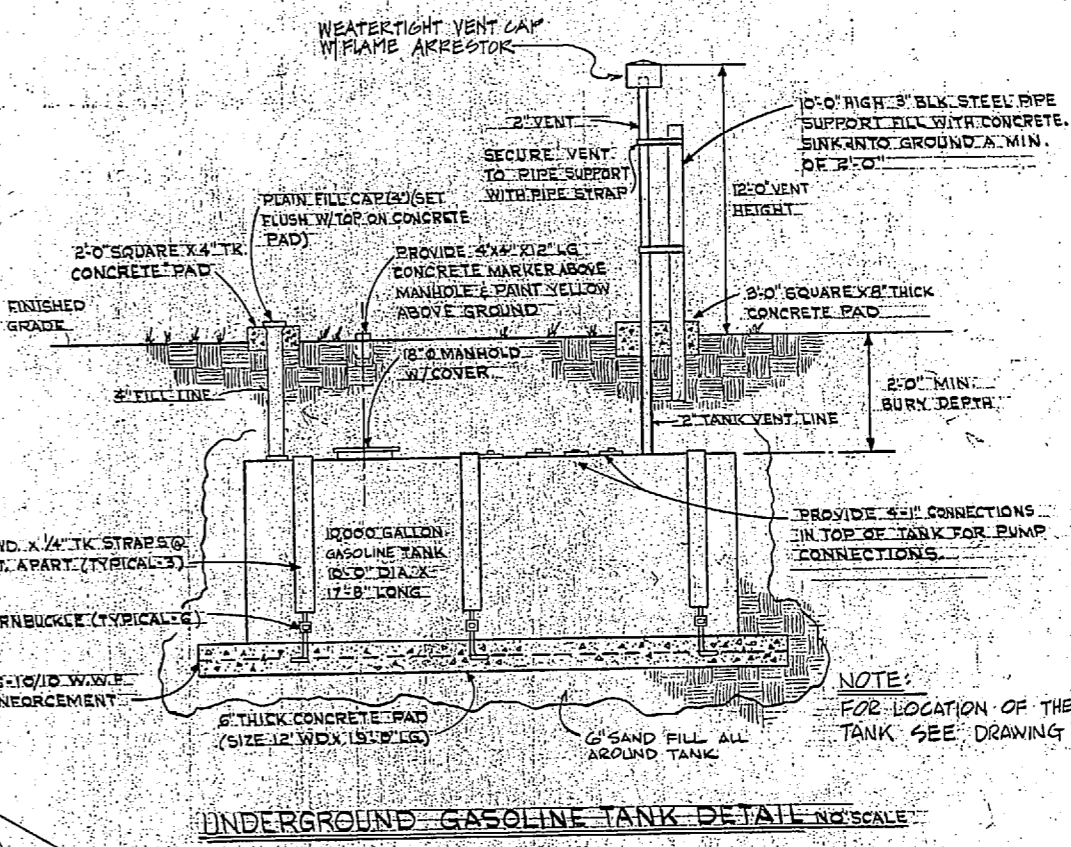
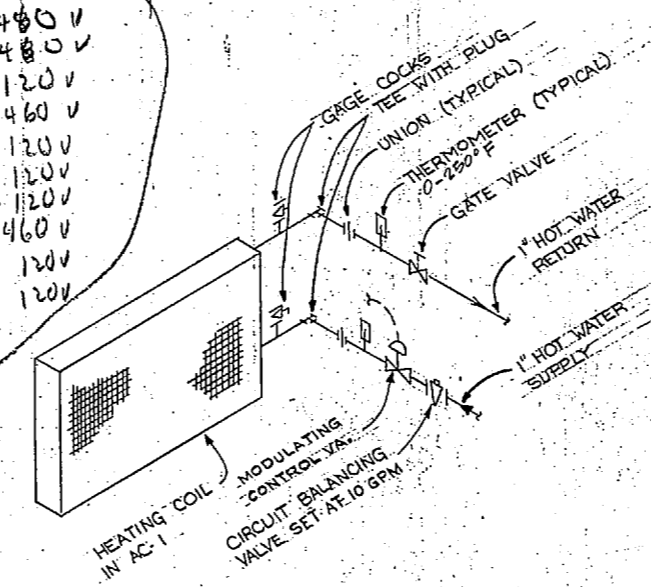
UNIT HEATER SCHEDULE								
SYMBOL	TYPE	CFM	RPM	HP	WATER ST.	MBH	GPM.	QTY
UH-1	VERTICAL	731	1050	V30	10"	17.5	3.5	4
UH-2	VERTICAL	731	1050	V30	10"	20.0	4.0	3
UH-3	VERTICAL	1105	1050	V30	10"	25.0	5.0	4
UH-4	VERTICAL	1105	1050	V30	10"	30.0	6.0	1
UH-5	HORIZONTAL	273	1550	V85	10"	2.5	.5	2

BOILER SCHEDULE											
SYMBOL NO.	RATED HP	NET 1/2" M.P.H.	HEAT GROSS 1/2" M.P.H.	TRANSFER GPM	PERFORMANCE LVG. WATER TEMP. °F	STACK OIL FIRING RATE GPH	BURNER H.P.	VOLTAGE	CONTROL VOLTAGE		
B-1	14.3	411.4	480.0	71.0	180.0	4.25	2660	120/160	24 V		

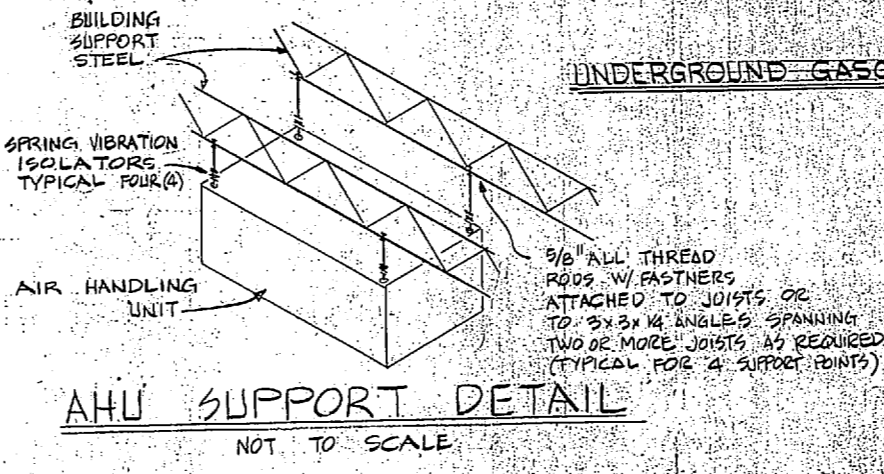
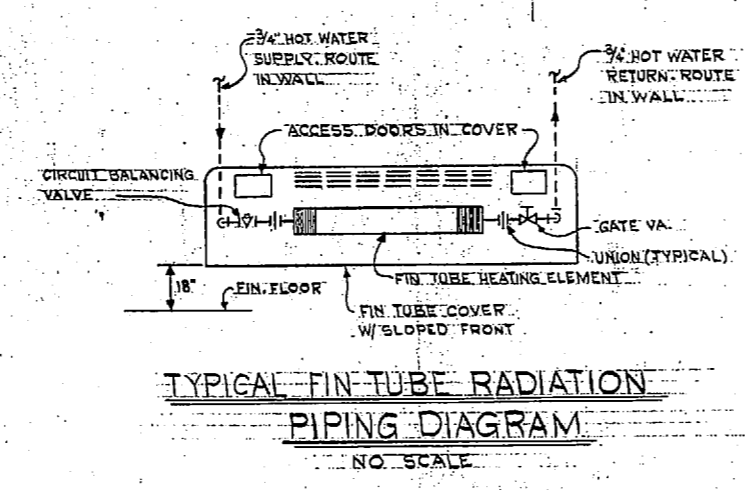
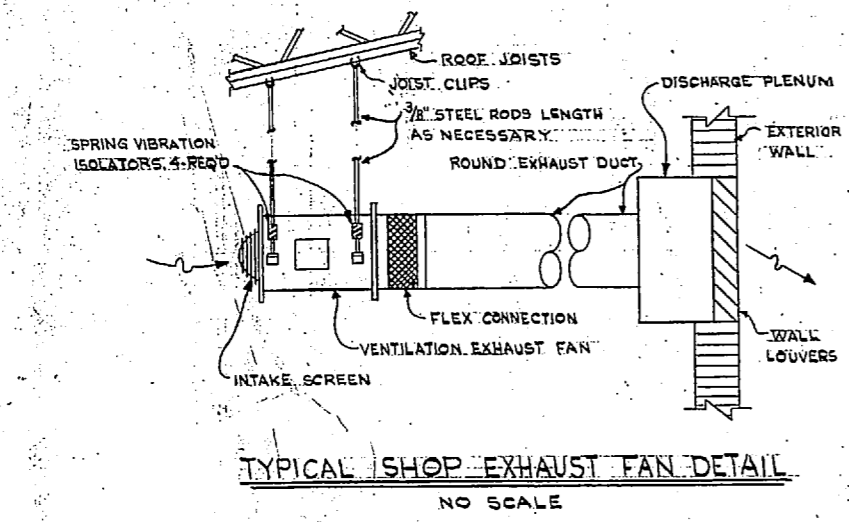


LOUVER SCHEDULE			
SYMBOL	CFM	L X H	SERVICE
L-1	1900	24" X 32"	EXHAUST
L-2	2400	36" X 32"	EXHAUST
L-3	600	20" X 24"	EXHAUST
L-4	2600	30" X 30"	EXHAUST (GRILLE)
L-5	12000	76" X 48"	EXHAUST
L-6	3350	48" X 32"	EXHAUST
L-7	690	18" X 10"	EXHAUST
L-8	300	16" X 8"	OUTSIDE AIR
L-9	665	20" X 24"	EXHAUST

EXHAUST FAN SCHEDULE						
SYMBOL	FAN TYPE	TYPE DRIVE	CFM	RPM	S.P. INCHES	HP
EF-1	IN-LINE CENTRIFUGAL	DIRECT	1900	1140	0.375	1/2
EF-2	IN-LINE CENTRIFUGAL	DIRECT	2400	860	0.375	1/2
EF-3	IN-LINE CENTRIFUGAL	DIRECT	600	1050	0.375	1/6
EF-4	IN-LINE CENTRIFUGAL	DIRECT	2600	860	0.375	1/2
EF-5	IN-LINE CENTRIFUGAL	DIRECT	800	1140	0.375	1/4
EF-6	IN-LINE CENTRIFUGAL	DIRECT	1400	1050	0.375	1/3
EF-7	IN-LINE CENTRIFUGAL	DIRECT	350	1140	0.375	1/4
EF-8	IN-LINE CENTRIFUGAL	DIRECT	2600	860	0.375	1/2
EF-9	IN-LINE CENTRIFUGAL	DIRECT	755	1140	0.375	1/4
EF-10	IN-LINE CENTRIFUGAL	DIRECT	600	1050	0.375	1/6



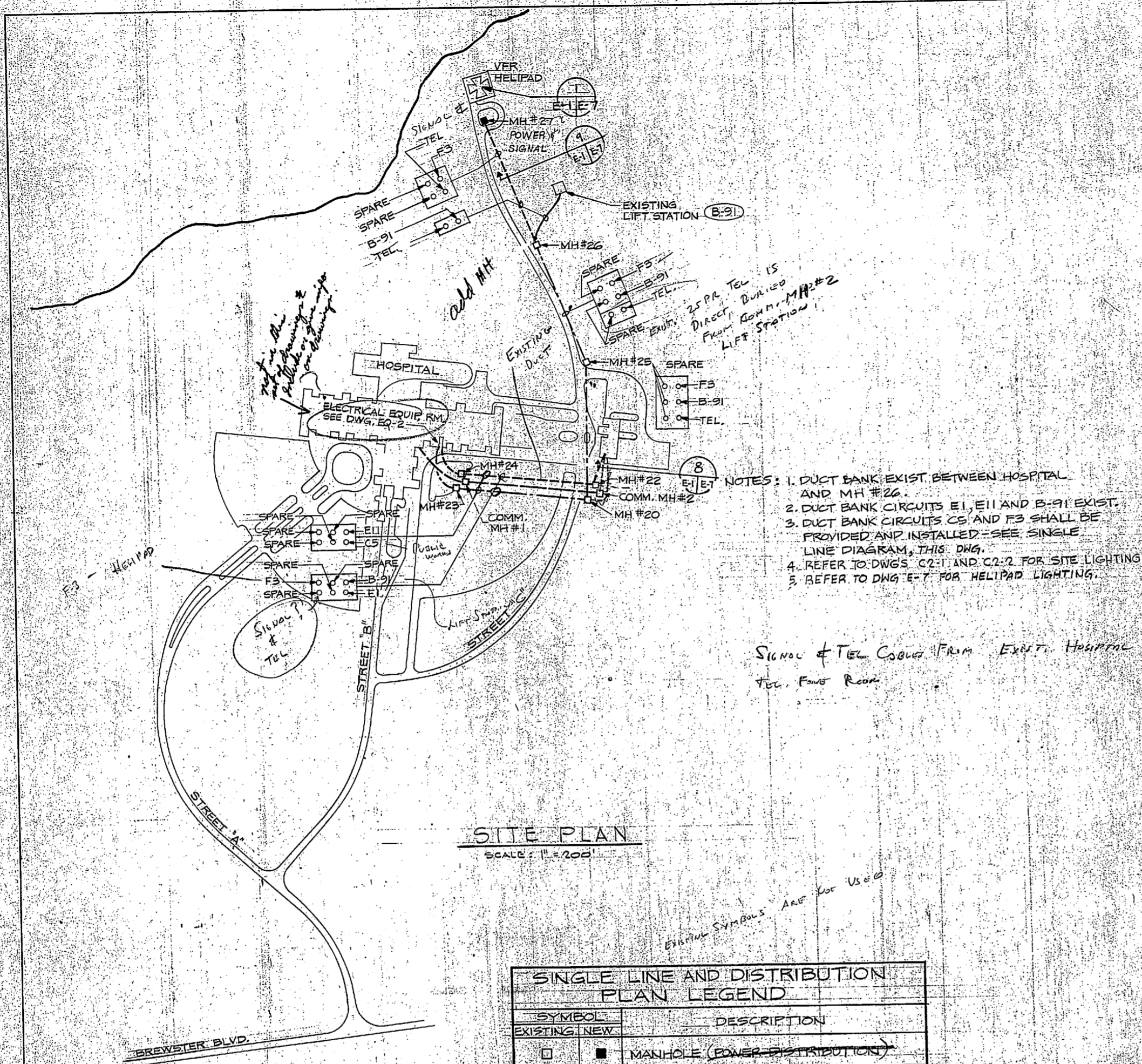
PUMP SCHEDULE				
PUMP NO.	TYPE	GPM	HEAD FT.	HP
P-1	IN-LINE, BRONZE	71	30.6	1 1/2



M-2	
A JOINT VENTURE Lockheed Group-Elia Associates ARCHITECTS-ENGINEERS-PLANNERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL STATION PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING
DES. CD. DR. G. J. CHK. J. M. L. PROJ. NO. A. E. J. ON ENDR. M. L. SUBMITTED BY: DATE: APPROVED: DATE: OFFICIAL IN CHARGE: DATE:	NAVY REGIONAL VEHICLE CENTER EMPLOYEE: ROYCE KRAMER MECHANICAL HVAC SCHEDULES AND DIAGRAMS SIZE: CODE IDENT. NO.: NAVFAC DRAWING NO.: F 80091 CONSTR. CONTR. NO. N 62470-B-1766 SCALE: NONE: SPEC. 05-81-1766 SHEET 21 OF 37



REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVED



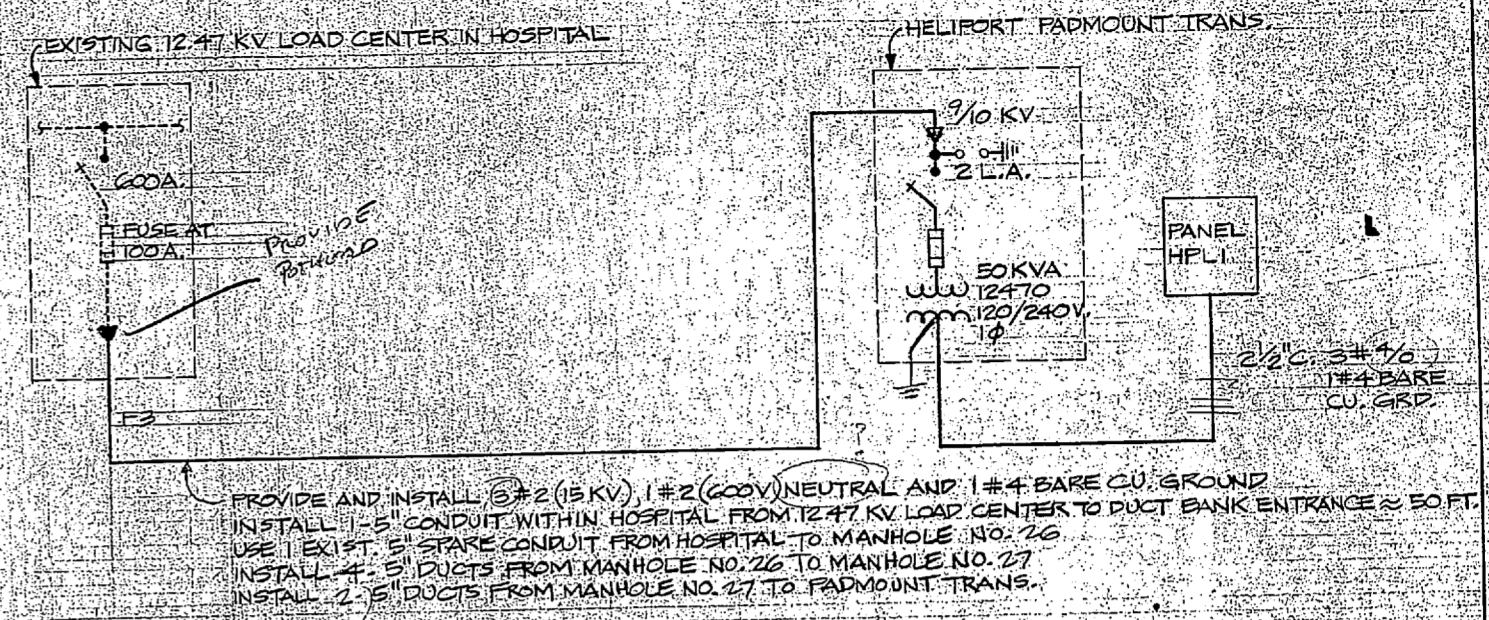
2.5" DIA. TEL. IS DIRECTLY BURIED FROM COMM. MH#2 LIFT STATION

- NOTES:
1. DUCT BANK EXIST. BETWEEN HOSPITAL AND MH #26.
 2. DUCT BANK CIRCUITS E1, E11 AND B-91 EXIST.
 3. DUCT BANK CIRCUITS C5 AND F3 SHALL BE PROVIDED AND INSTALLED - SEE SINGLE LINE DIAGRAM, THIS DWG.
 4. REFER TO DWG'S C2-1 AND C2-2 FOR SITE LIGHTING.
 5. REFER TO DWG. E-7 FOR HELIPAD LIGHTING.

Signal & Tel. Cables From Exist. Hospital Tel. Four Room

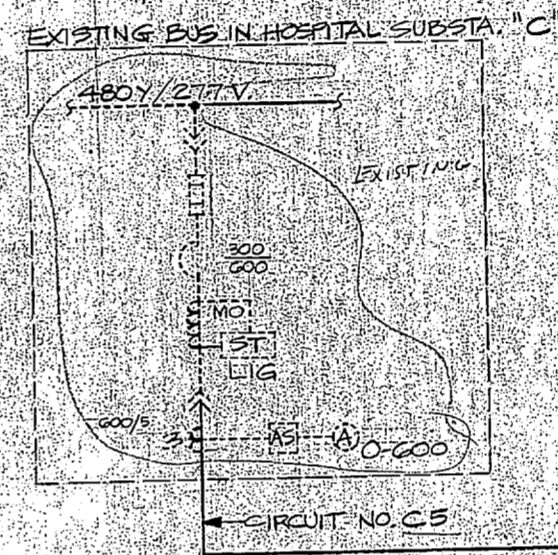
SITE PLAN
SCALE: 1" = 200'

SYMBOL		DESCRIPTION
EXISTING	NEW	
□	■	MANHOLE (POWER DISTRIBUTION)
△	▲	POthead, 1/2 UNLESS OTHERWISE NOTED
---	---	DUCT BANK, UNDERGROUND DISTRIBUTION
600/5	600/5	CURRENT TRANSFORMER NOTATIONS INDICATE RATINGS AND QUANTITY
(A)	(A)	AMMETER
LA	LA	ARRESTER, 9 KV DISTRIBUTION UNLESS OTHERWISE NOTED
		CURRENT LIMITING FUSE
⊙	⊙	GROUND ROD



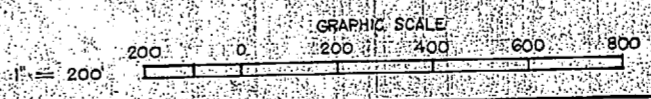
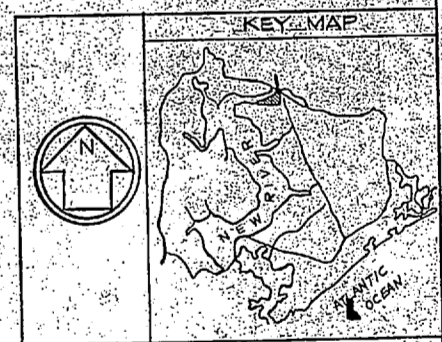
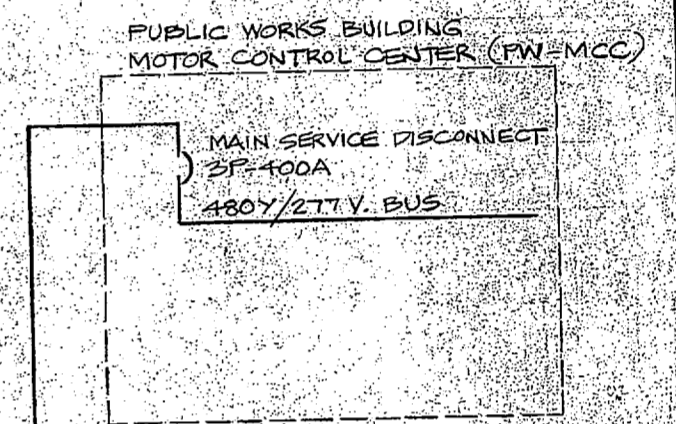
PROVIDE AND INSTALL 3# 2 (15 KV), 1# 2 (600V) NEUTRAL AND 1# 4 BARE CU. GROUND
INSTALL 1.5" CONDUIT WITHIN HOSPITAL FROM 12.47 KV LOAD CENTER TO DUCT BANK ENTRANCE @ 50 FT.
USE 1 EXIST. 5" SPARE CONDUIT FROM HOSPITAL TO MANHOLE NO. 26
INSTALL 4" 5" DUCTS FROM MANHOLE NO. 26 TO MANHOLE NO. 27
INSTALL 2" 5" DUCTS FROM MANHOLE NO. 27 TO PADMOUNT TRANS.

HELIPORT SINGLE LINE POWER DIAGRAM
SCALE: NONE



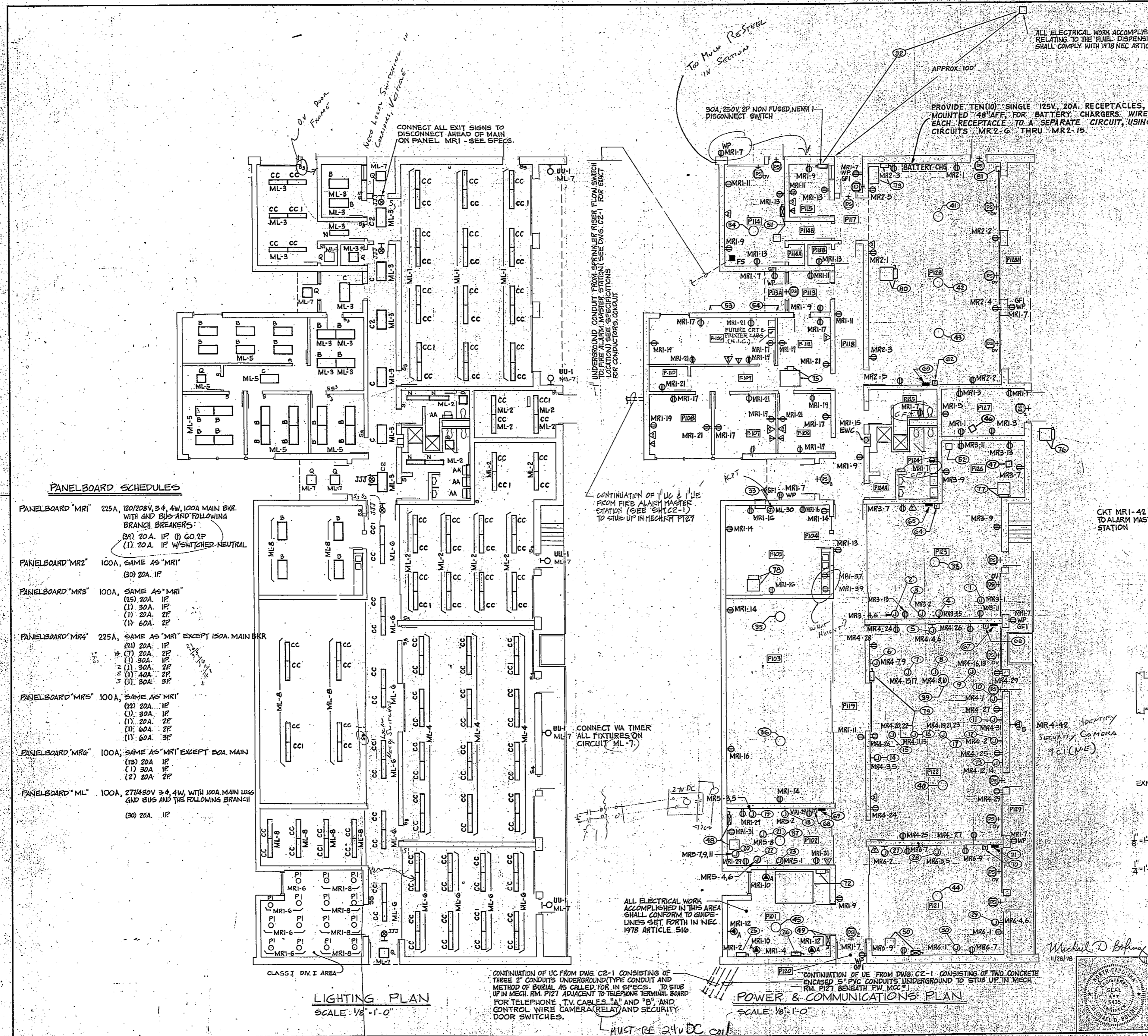
PROVIDE AND INSTALL 4# 150 MCM CABLES AND CONNECT AT BOTH ENDS.
INSTALL 1 NEW 5" CONDUIT WITHIN HOSPITAL FROM SUBSTATION 'C' TO DUCT BANK ENTRANCE @ 50 FT.
USE ONE OF EXIST. 5" CONDUITS IN DUCT BANK BETWEEN HOSPITAL AND MANHOLE NO. 22
INSTALL 2.5" CONDUITS FROM MANHOLE NO. 22 TO FW-MCC, ONE CONDUIT IS SPARE.

SINGLE LINE POWER DIAGRAM PUBLIC WORKS BUILDING
SCALE: NONE



A JOINT VENTURE Lockheed Greene-Ely Associates Electrical Engineers & Architects		DEPARTMENT OF THE NAVY ATLANTIC DIVISION NAVAL STATION NAVAL REGIONAL MEDICAL CENTER SANF. LEISURE, NORTH CAROLINA PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING ELECTRICAL SITE PLAN	
DES. DR. CHK. - I	DATE:	SIZE: CODE IDENT. NO.	NAVFAC DRAWING NO.
PROJ. MGR. A. B. J. CH. ENGR.	DATE:	F 80091	CONSTR. CONTR. NO. N 62470-81-B-1766
APPROVED:	DATE:	SCALE: NOTED	SPEC. 05 # 81-1766
OFFICER IN CHARGE	DATE:		SHEET 31 OF 37
APPROVED:	DATE:		LANTRIV DWG. NO.

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



E-2

A JOINT VENTURE Lockwood Greene & Associates Architects - Engineers - Planners		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION FANT LEONE, NORTH CAROLINA NORFOLK, VIRGINIA	
DES. BY: DR. A. J. CHIK-MO	PROJ. MGR. A. B. J. CH. EMGR.	NAVAL REGIONAL MEDICAL CENTER PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING	
SUBMITTED BY: DATE:	APPROVED: DATE:	POWER / COMMUNICATIONS AND LIGHTING PLAN	
DATE: DATE:	DATE: DATE:	SIZE: CODE IDENT. NO. NAVFAC DRAWING NO.	
DATE: DATE:	DATE: DATE:	F 80091 CONSTR. CONTR. NO. N62470-81-8-1766	
DATE: DATE:	DATE: DATE:	SCALE: NOTED - SPEC. 05-81-1766 SHEET 22 OF 27	

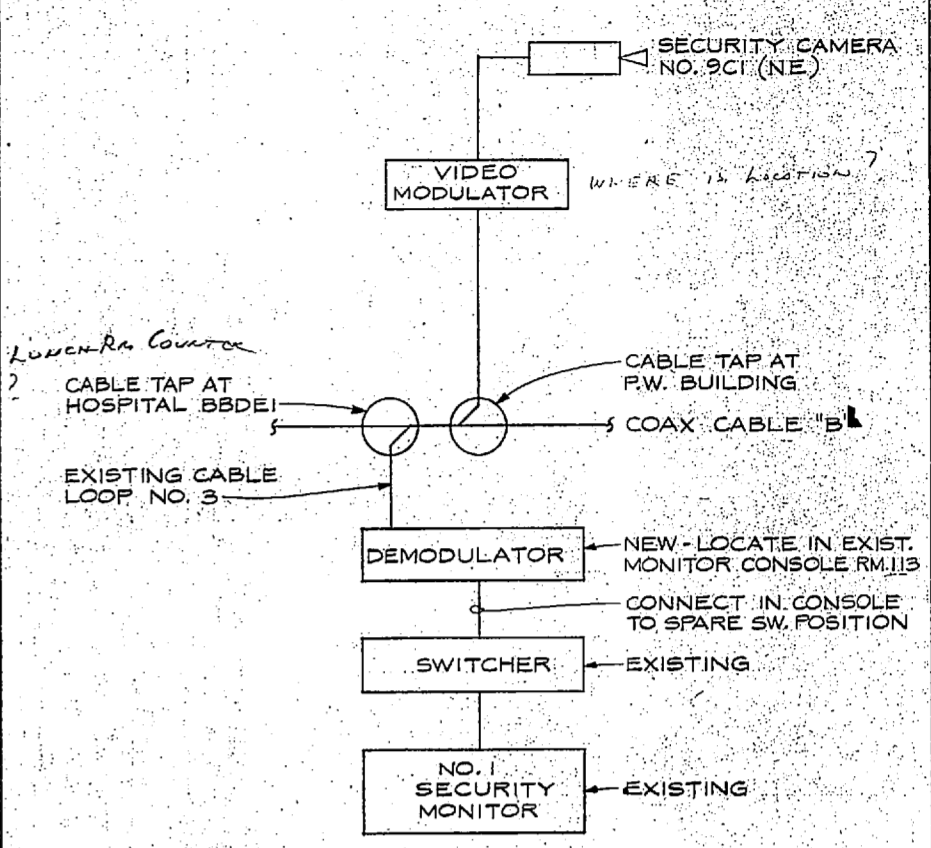
LANTDIV DRG. NO.



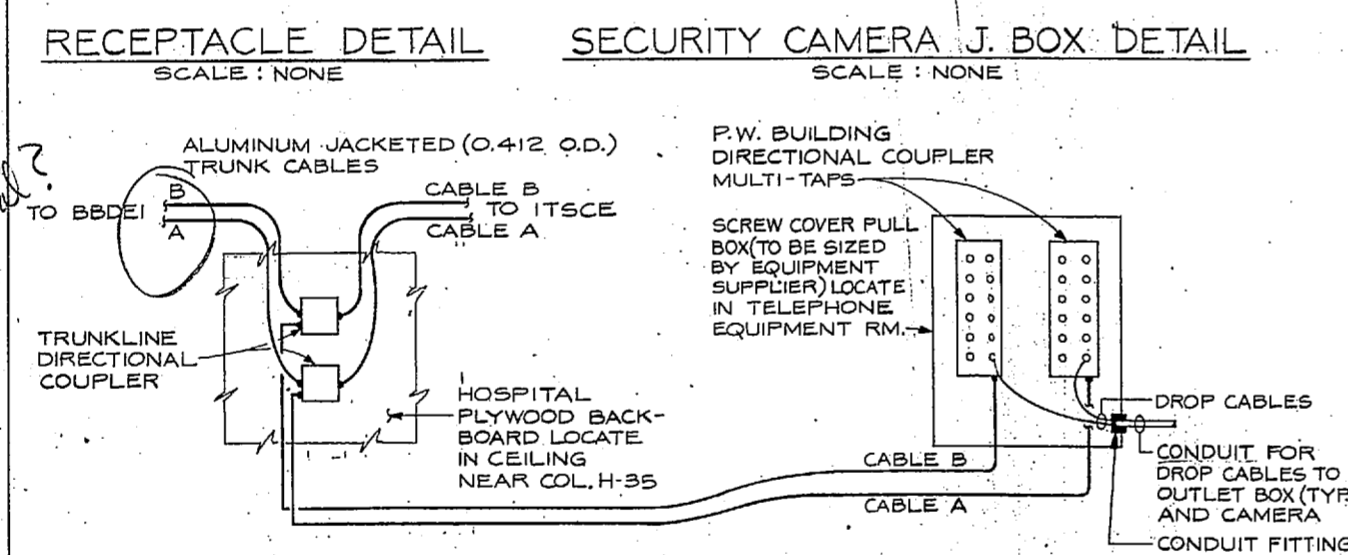
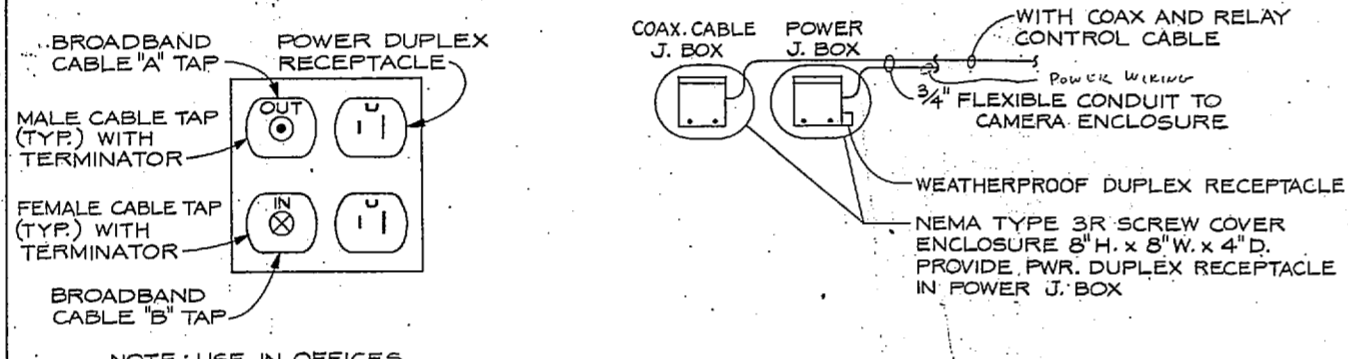
LIGHTING FIXTURE SCHEDULE						
FIXTURE - SEE SPECIFICATIONS						
SYMBOL	STYLE	TYPE	LAMPS	VOLTS	MOUNTING	REMARKS
B	NL-3	D	3F40	277	RECESSED	
C	NL-3	C	2F40	277	RECESSED	
C2	NL-3	C	2F40	277	RECESSED	WITH EMERGENCY SYSTEM
N	NL-3	B	1F40	277	RECESSED	
Q	NL-3	A	1F40/U/G	277	RECESSED	1 LAMP
AA	NL-4	A	2F20	120	WALL	
CC	NL-6	A	2F40	277	PENDANT	<i>Indicate ltr above RFF and/or below joint</i>
CC1	NL-6	A	2F40	277	PENDANT	WITH EMERGENCY SYSTEM
UUI	NL-25	D	1-70W.H.P.S.	277	WALL	DAMP LABEL
JJJ	NL-48	A	2-20W 20TG 1/2	120	UNIVERSAL	EXIT SIGN
PI	NL-48	C	1-175W.M.H.	120	PENDANT	METAL HALIDE, EXP. PROOF
AAA	-	-	2-250-H.P.S.	277	15' POLE	PARKING LOT FIXTURE PROVIDE 5' x 18' x 18' REINFORCED CONCRETE BASE WHERE'S ITS DETAIL?

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	REMARKS
□A	FLUORESCENT. LETTER DENOTES FIXTURE SYMBOL	
○	WALL BRACKET	
⊗	EXIT LIGHT	
⊕	DUPLEX RECEPTACLE 120V. 20A. 1Φ	
⊕⊕	DUPLEX GROUND FAULT RECEPTACLE 120V. 20A. 1Φ	<i>WHAT MTD HOT W/ ⚡ ON WALLS?</i>
⊖	SINGLE RECEPTACLE (FOR EWC) 120V. 20A. 1Φ	
⊕⊕	RECEPTACLE 120V. 20A. 1Φ EXPLOSION PROOF	FURNISH WITH PLUG
W.P.	WEATHERPROOF DEVICE	
S	LOCAL TUMBLER SWITCH 20A. SINGLE POLE	
S3	LOCAL TUMBLER SWITCH 20A. 3 WAY	
S4	LOCAL TUMBLER SWITCH 20A. 4 WAY	
○1-500	MOTOR SINGLE PHASE NUMERAL DENOTES ITEM NUMBER ON ELECTRICAL EQUIPMENT AND WIRING SCHEDULE.	
○1-1	MOTOR THREE PHASE NUMERAL DENOTES ITEM NUMBER ON ELECTRICAL EQUIPMENT AND WIRING SCHEDULE	
□	JUNCTION BOX	
⊕	OUTLET BOX	
■	BRANCH CIRCUIT PANELBOARD	
□30A.	NON-FUSED SAFETY SWITCH SIZED AS INDICATED OR AS EQUIPPED	SUSPENDED FROM BLDG. STRUCT. MOUNT HIGH AS POSSIBLE
⊕	DRY-TYPE TRANSFORMER. SIZE AND PHASES AS SCHEDULED	
⊕⊕	BROADBAND DISTRIBUTION CABINET	
⊕	BROADBAND COAX. SYSTEM OUTLET WALL MTD. (18" A.F.F.)	
⊕	PRIVATE TELEPHONE - WALL MTD. OUTLET/BOX. (48" A.F.F.)	
+2	MANUAL PULL STATION (SUBSCRIPT "M" DENOTES MASTER BOX-WP DENOTES WEATHER PROOF) MTD. PULL HANDLE 4'-0" A.F.F. OR GRADE	
FS	WATER FLOW SWITCHES	
+ID	DEFEAT SWITCH FOR INTRUSION ALARM SYSTEM (48" A.F.F.)	
+PS	DOOR SWITCH - SUBSCRIPT "2" DENOTES TWO SWITCHES REQUIRED. SUBSCRIPT "OV" DENOTES OVERHEAD DOOR TYPE SWITCH	<i>Med Specifications</i>
⊕S	SECURITY CCTV CAMERA FIXED POSITION TYPE WITH MOUNTING HARDWARE AND ENVIRONMENTAL ENCLOSURE	<i>Refer to Security Camera J. Box Detail</i>

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED



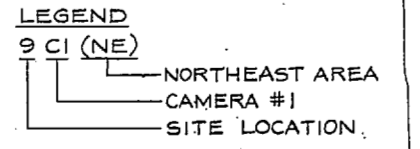
SECURITY CAMERA SINGLE LINE DIAGRAM
SCALE: NONE



SECURITY CAMERA SCHEDULE					
CAMERA NUMBER	LENS FOCAL LENGTH (mm)	APERTURE	COMMUNICATION CENTER MONITOR	* ANGLE FROM APPROXIMATE REFERENCE TO SCENE ILLUM. CENTER LINE OF CAMERA (DEGREES-MINUTES)	APPROXIMATE LEVEL (FOOT-CANDLES)
9CI (NE)	25	f/1.4	M7	0°	2.5

* MEASURE ZERO REFERENCE ANGLE PARALLEL WITH BUILDINGS EAST-WEST COORDINATE (EAST = 0°). (COUNTERCLOCKWISE DIRECTION CONSIDERED MINUS ANGLES). ADJUST CAMERA VERTICAL ANGLE IN FIELD TO GIVE OPTIMUM AREA SURVEILLANCE AS DEFINED BY THE CONTRACTING OFFICER AT SYSTEM FINAL INSPECTION.

** MAXIMUM IMAGE FORMAT ANGLES
HORIZONTAL ANGLE - 28° 30'
VERTICAL ANGLE - 21° 34'
DIAGONAL ANGLE - 35° 10'



E-3

LOCKWOOD GREENE, INC. ARCHITECTS-ENGINEERS-PLANNERS

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL REGIONAL MEDICAL CENTER

CAMP LEJEUNE, NORTH CAROLINA

PUBLIC WORKS BUILDING

HELIPAD & LANDSCAPING

ELECTRICAL LEGEND AND LIGHT FIXTURE SCHEDULE

PROJ. MGR. A. B. J. CH. ENGR.

SUBMITTED BY: DATE:

DES. DR. CHK.

APPROVED: DATE:

SIZE CODE IDENT. NO. NAVFAC DRAWING NO.

F 80091

CONSTR. CONTR. NO. N62470-01-0-1766

SHEET 33 OF 37



ELECTRICAL EQUIPMENT AND WIRING SCHEDULE

REVISIONS		
SYMBOL	DESCRIPTION	DATE APPROVED

DESIG.	LOAD DESCRIPTION	MOTOR OR RESISTANCE HEATER DATA			CONTROLLER DATA					REMO. STNS.	PUSHBUTTON DESCRIPTION	STATIONS ENCL. TYPE NEMA	CIRCUIT PROTECTION		DISC. SW. FURN. MTD. WIRED	CONDUCTORS AND CONDUIT					REMARKS (BUS RATINGS, CONTROL INTERLOCK, DWG. REF. AND SPECIAL INSTRUCTIONS)	
		H.P. OR K.W.	VOLTS/PHASE	TYPE	LOCATION	TYPE	NEMA SIZE	CONTROL VOLTS	POWER FROM				EXTRA AUX. CONTACTS	COVER MOUNTED DEVICES		ENCL. TYPE NEMA	LOCATION	FRAME SIZE	TRIP SIZE	PHASE		NEUTRAL
1	MOTOR COIL WINDING MACHINE	1.0	120/1	MTR	P123								100A	20A		#12	#12	#12		3/4"		
2	20" DRILL PRESS	1/2 HP	208/1													#12	#12	#12				
3	BENCH GRINDER	1 HP	120/1													#10	#10	#10				
4	MOTOR BAKE OVEN	11KW @ 220/14	208/1	HEAT												#6	#6	#10		1/4"		
5	24" BAND SAW	1/2 HP	208/1	MTR	P122											#12	#12	#12		3/4"		
6	WOOD LATHE	1 HP	208/1													#12	#12	#12				
7	8" TABLE SAW	1/2 HP	208/1													#12	#12	#12				
8	18" JOINTER	3 HP	208/1													#10	#10	#10				
9	12" DISC GRINDER	1 HP	208/1													#12	#12	#12				
10	PLASTIC LAMINATE ENGRAVER	0.5	120/1													#12	#12	#12				
11	KEY MACHINE	0.5	120/1													#12	#12	#12				
12	BENCH GRINDER	1 HP	120/1													#10	#10	#10				
13	20" DRILL PRESS	1/2 HP	208/1													#12	#12	#12				
14	12" RADIAL ARM SAW	1/2 HP	208/1													#12	#12	#12				
15	SHAPER	1 HP	208/1													#12	#12	#12				
16	12" TABLE SAW	5 HP	208/1													#8	#8	#10		1"		
17	24" PLANER	10 HP	208/3		P122											#10	#10	#10				
18	8" METAL BAND SAW	2 HP	120/1		P102											#12	#12	#12		3/4"		
19	20" DRILL PRESS	1/2 HP	208/1													#12	#12	#12				
20	WELDER (300A AC/DC)		208/3													#6	#10			1/4"		
21	FUME COLLECTOR		120/1													#12	#12	#12		3/4"		
22	WELDING ROD OVEN	11KW @ 220/14	208/1	HEAT												#6	#6	#10		1/4"		
23	BENCH GRINDER	1 HP	120/1	MTR	P102											#10	#10	#10		3/4"		
24	TIME CLOCK	6.5 K.W.	277/1	LTS	P127											#6	#6	#10		1/4"	AAA - 277V, 5P TO CONTROL OUTSIDE LIGHTING, ML 25, 27, 29.	
25	PAINT SHAKER	1/2 HP	120/1	MTR	P100								100A	20A		#12	#12	#12		3/4"		
26	PAINT SHAKER	1/2 HP	120/1													#12	#12	#12				
27	PIPE THREADING MACHINE	1/2 HP	120/1		P121											#12	#12	#12				
28	DRILL PRESS	1/2 HP	208/1													#12	#12	#12				
29	16" METAL LATHE	2 HP	208/1													#10	#10	#10				
30	BENCH GRINDER	1 HP	120/1													#10	#10	#10				
31	WATER HEATER	9 KW	208/1		P127											#12	#12	#12			CKT. MR1-18, 20	
32	GAS PUMP	1/4 HP	120/1		FUELING ISLAND											#12	#12	#12			CKT. MR1-25 (NEUT. MUST BE SWITCHED)	
33	UV-1	35 KW	277/1													#12	#12	#12		3/4"	CKT. MR1-23	
34	UH-1A	130	120/1	MTR	P114								100A	20A		#12	#12	#12			CKT. MR1-22	
35	UH-1B				P103																	CKT. MR1-22
36	UH-1C				P103																	CKT. MR5-10
37	UH-1D				P102																	CKT. MR3-8
38	UH-2A				P123																	CKT. MR4-28
39	UH-2B				P122																	CKT. MR4-28
40	UH-2C				P122																	CKT. MR2-4
41	UH-3A				P126																	

KEY TO ABBREVIATIONS

NEMA SIZES FOR MAGNETIC STARTERS
SINGLE SPEED FULL VOLTAGE POLYPHASE
MAXIMUM HORSEPOWER CAPACITY

SIZE	200V	230V	460V B	575V
1	7 1/2 HP	7 1/2 HP	10 HP	
2	15 HP	15 HP	25 HP	
3	25 HP	30 HP	50 HP	
4	40 HP	50 HP	100 HP	
5	75 HP	100 HP	200 HP	
6	150 HP	200 HP	400 HP	
7		300 HP	600 HP	
8		450 HP	900 HP	
9		800 HP	1600 HP	

(FOR JOGGING OR HIGHLY REPETITIVE DUTY USE 1 SIZE LARGER THAN ABOVE.)

CONTROLLER TYPE

H - MANUAL, FULL VOLTAGE
HR - MANUAL, REDUCED VOLTAGE
FV - MAGNETIC, FULL VOLTAGE NON-REV.
FVR - MAGNETIC, FULL VOLTAGE REVERSING
YD - MAGNETIC, STAR-DELTA
AT - MAGNETIC, AUTO-TRANSFORMER

SUFFIXES FOR COMB. MAG. TYPE -
CB - CIRCUIT BREAKER
FS - FUSIBLE SWITCH
NS - NON-FUSIBLE SWITCH

CONTACT TYPES
NO - NORMALLY OPEN
NC - NORMALLY CLOSED
MOM - MOMENTARY
MA - MAINTAINING

PILOT DEVICES

FLS - FLOW SWITCH
EL - ELECTRODES & RELATED RELAYS
FS - FLOAT SWITCH
LS - LIMIT SWITCH
PS - PRESSURE OR "PE" SWITCH
T - THERMOSTAT

PILOT LIGHTS

A - AMBER R - RED
B - BLUE W - WHITE
G - GREEN Y - YELLOW

CONTROL POWER SOURCE

CPT - INTERNAL TRANSFORMER
CPT-S - SEPARATELY MTD. TRANSF.
LINE - LINE SIDE OF CONTROLLER
C. BUS - CONTROL BUS

VOLTAGE RATINGS: (AC)

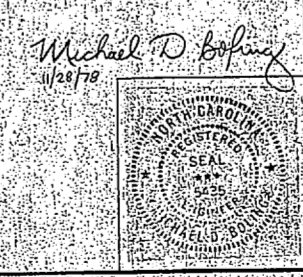
SYSTEM	MOTOR
120	115
208	200
240	230
480	460
500	575
2400	2300
4160	4000

WINDING TYPE

SC - SQUIRREL CAGE INDUCTION
WR - WOUND ROTOR INDUCTION
SYN - SYNCHRONOUS

SUFFIXES FOR 2-SPEED TYPES

2 TS - CONST. TORQUE, 1 WINDING
2 HS - CONST. HP, 1 WINDING
2 VS - VARIABLE TORQUE, 1 WINDING
2 TD - CONSTANT TORQUE, 2 WINDING
2 HD - CONSTANT HP, 2 WINDING
2 VD - VARIABLE TORQUE, 2 WINDING



E-4

LIGHT VENTURE		DEPARTMENT OF THE NAVY		NAVAL FACILITIES ENGINEERING COMMAND	
Lackwood Greene-Bix Associates		ATLANTIC DIVISION		NAVAL STATION	
DESIGNED BY: DR. NB		CHECKED BY: CHK. MIP		NAVAL REGIONAL MEDICAL CENTER	
SUBMITTED BY: A.B.J. CH. ENGR.		DATE: 11/28/78		NAVAL FACILITIES ENGINEERING DIVISION	
		PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING ELECTRICAL EQUIPMENT AND WIRING SCHEDULE		CONSTR. CONTR. NO. 62470-BI-B-1766	
		APPROVED: DATE: OFFICER IN CHARGE: DATE: FOR USE FOR COMMANDER, NAVY		SCALE: 1/8" = 1'-0" SEC. 05-81-1766 SHEET 24 OF 31 LANTDIV.DWG. NO.	



ELECTRICAL EQUIPMENT AND WIRING SCHEDULE

DESIG.	LOAD DESCRIPTION	MOTOR OR RESISTANCE HEATER DATA				CONTROLLER DATA					LOCATION	NO. OF STNS.	DESCRIPTION	ENCL. TYPE NEMA	CIRCUIT PROTECTION		DISC. SW. FURN/MTD/WIRED	CONDUCTORS AND CONDUIT				REMARKS (BUS RATING, CONTROL INTERLOCK, DWG. REF. AND SPECIAL INSTRUCTIONS)
		HP OR K.W.	VOLTS/PHASE	TYPE	LOCATION	TYPE	NEMA SIZE	CONTROL VOLTS	POWER FROM	EXTRA AUX. CONTACTS					COVER MOUNTED DEVICES	ENCL. TYPE NEMA		FRAME SIZE	TRIP SIZE	PHASE	NEUTRAL	
42	UH-3B	30	120/1	MTR	P128										100A	80A		#12	#12	#12	3/4"	CKT. MR2-4
43	UH-3C				P128																	CKT. MR2-4
44	UH-3D				P121																	CKT. MR6-8
45	UH-4				P100																	CKT. MRI-22
46	UH-5A	25			P127																	CKT. MRI-23
47	UH-5B	25			P126																	CKT. MR3-8
48	EF-3	1/2 HP									H											CKT. MRS-10, VIA MANUAL MOTOR STARTER
49	EF-5	1/2 HP			P100-P10						H											CKT. MRI-22
50	EF-6	1/2 HP			P121						H											CKT. MR6-8
51	EF-7	1/2 HP			P114						H											CKT. MRI-23
52	EF-9	1/2 HP			P124						H											CKT. MRI-5
53	EF-10	20HP			P110						H											CKT. MRI-10
54	EF-11	1/20HP			P111						H											CKT. MRI-12
55	BOILER OIL BURNER MOTOR	3HP			P127																	CKT. MRI-24
56	EF-9	1/2 HP			P127						H											CKT. MRI-26, VIA MANUAL MOTOR STARTER
57																						
58	PW MCC #1	480/277/3			P127																	400A MAIN CIRCUIT BREAKER FULL NEUTRAL AND GND. BUSES
59	PBRD 'ML'	480/277/3			P127						P S				100A	100A (FUSE)		#2	#2	#8	2"	
60	XFMR FOR PBRD 'MRI'	30 KVA 480/3 TO 120/208/3			P127										60A	45A (FUSE)		#8	#2	#10	1"	GND. NEUTRAL TO BLDG. STEEL WITH IFS
61	PBRD 'MRI'				P127													#2	#2	#8	2"	
62	XFMR FOR PBRD 'MR2'	30 KVA 480/3 TO 120/208/3			P128										60A	45A (FUSE)		#8	#2	#10	1"	GND. NEUTRAL TO BLDG. STEEL WITH IFS
63	PBRD 'MR2'				P128													#2	#2	#8	2"	
64	XFMR FOR PBRD 'MRS'	30 KVA 480/3 TO 120/208/3			P123										60A	45A (FUSE)		#8	#2	#10	1"	GND. NEUTRAL TO BLDG. STEEL WITH IFS
65	PBRD 'MRS'				P123													#2	#2	#8	2"	
66	XFMR FOR PBRD 'MR4'	45 KVA 480/3 TO 120/208/3			P122										100A	80A (FUSE)		#4	#6	#8	1 1/2"	GND. NEUTRAL TO BLDG. STEEL WITH IFS
67	PBRD 'MR4'				P122													#10	#10	#6	2 1/2"	
68	XFMR FOR PBRD 'MRS'	30 KVA 480/3 TO 120/208/3			P102										60A	45A (FUSE)		#8	#6	#10	1"	GND. NEUTRAL TO BLDG. STEEL WITH IFS
69	PBRD 'MRS'				P102													#6	#6	#8	1 1/2"	
70	XFMR FOR PBRD 'MR6'	15 KVA 480/3 TO 120/208/3			P121										30A	20A (FUSE)		#12	#6	#8	3/4"	GND. NEUTRAL TO BLDG. STEEL WITH IFS
71	PBRD 'MR6'				P121													#6	#6	#8	1 1/2"	
72	PAINT BOOTH	5HP 1/2 HP	460/3	MTR	P100										30A	15A (FUSE)	30A, 3P C/C/C	#12	#12	#12	3/4"	CLASS I DIV. I AREA CONTACT PROVIDED FOR RUN TIME TOTALIZER
73	AIR COMPRESSOR	7 1/2 HP			P128	FVFS	I	120	CPT	(2) NO	HOA											
74	HOT WTR. PUMP F-1	1/4 HP			P127																	TO BE CONNECTED TO COMPUTER FOR REMOTE CONTROL CONTACT PROVIDED FOR RUN TIME TOTALIZER
75	AH-1	1HP			P112																	
76	C-1	8KW 1/2 HP			OUTSIDE	S																INSTALLATION MUST BE WEATHERPROOF CONTACT PROVIDED FOR RUN TIME TOTALIZER
77	EF-1	1/2 HP			P123	FVFS	I	120	CPT	(1) NO	HOA											
78	EF-2	1/2 HP			P104																	
79	EF-4	1/2 HP			P122																	
80	EF-8	1/2 HP			P128																	
81	ROLL UP DOOR	1/2 HP			P128																	4' x 8' x 3/4" PLYWOOD
82	TELE. TERMINAL BR.				P127																	

does not agree with mechanical drawing

Needs Race Room for Power

*How are run time contacts connected to EMCS?
How is TV wiper connected to EMCS?
How is Helipad lighting connected to EMCS?
EMCS I/O schedule needed.*

KEY TO ABBREVIATIONS

NEMA SIZES FOR MAGNETIC STARTERS
SINGLE SPEED FULL VOLTAGE POLYPHASE
MAXIMUM HORSEPOWER CAPACITY

SIZE	200V	230V	460V B	575V
1	7 1/2 HP	7 1/2 HP	10 HP	15 HP
2	10 HP	15 HP	25 HP	50 HP
3	25 HP	30 HP	50 HP	100 HP
4	40 HP	60 HP	100 HP	200 HP
5	75 HP	100 HP	200 HP	400 HP
6	150 HP	200 HP	400 HP	800 HP
7	300 HP	400 HP	800 HP	1600 HP
8	450 HP	600 HP	1200 HP	2400 HP
9	800 HP	1000 HP	2000 HP	4000 HP

(FOR JOGGING OR HIGHLY REPETITIVE DUTY USE 1 SIZE LARGER THAN ABOVE)

CONTROLLER TYPE
M - MANUAL, FULL VOLTAGE
MR - MANUAL, REDUCED VOLTAGE
FV - MAGNETIC, FULL VOLTAGE NON-REV.
FVR - MAGNETIC, FULL VOLTAGE REVERSING
YD - MAGNETIC, STAR-DELTA
AT - MAGNETIC, AUTO-TRANSFORMER
SUFFIXES FOR COMB. MAG. TYPE -
CB - CIRCUIT BREAKER
FS - FUSIBLE SWITCH
NS - NON-FUSIBLE SWITCH
CONTACT TYPES
NO - NORMALLY OPEN
NC - NORMALLY CLOSED
MOM - MOMENTARY
MA - MAINTAINING

PILOT DEVICES
FLS - FLOW SWITCH
EL - ELECTRODES & RELATED RELAYS
FS - FLOAT SWITCH
LS - LIMIT SWITCH
PS - PRESSURE OR "PE" SWITCH
T - THERMOSTAT

PILOT LIGHTS
A - AMBER
R - RED
B - BLUE
W - WHITE
G - GREEN
Y - YELLOW

CONTROL POWER SOURCE
CPT - INTERNAL TRANSFORMER
CPT-S - SEPARATELY MTD. TRANSF.
LINE - LINE SIDE OF CONTROLLER
C - BUS - CONTROL BUS

VOLTAGE RATINGS (AC)

SYSTEM	MOTOR
120	115
208	200
240	230
480	460
600	575
2400	2300
4160	4000

WINDING TYPE
SC - SQUIRREL CAGE INDUCTION
WR - WOUND ROTOR INDUCTION
SYN - SYNCHRONOUS

SUFFIXES FOR 2-SPEED TYPES:
2 TS - CONST. TORQUE, 1 WINDING
2 NS - CONST. HP, 1 WINDING
2 VS - VARIABLE TORQUE, 1 WINDING
2 TD - CONSTANT TORQUE, 2 WINDING
2 HD - CONSTANT HP, 2 WINDING
2 VD - VARIABLE TORQUE, 2 WINDING

E-5

ATLANTIC DIVISION

PUBLIC WORKS BUILDING HELIPAD & LANDSCAPING ELECTRICAL EQUIPMENT AND WIRING SCHEDULE

DESIGNED BY: *Michael D. Bohan*
CHECKED BY: *J. J. CHEN*

DATE: _____

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

SHEET: **35 OF 37**

