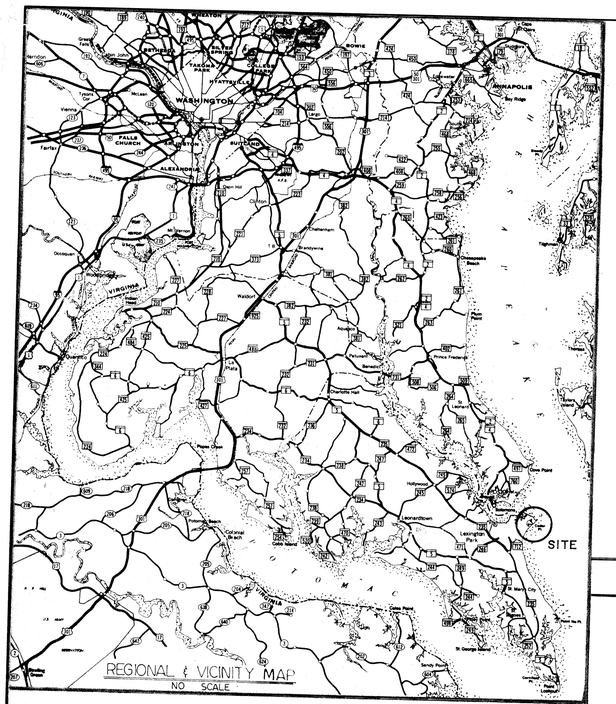
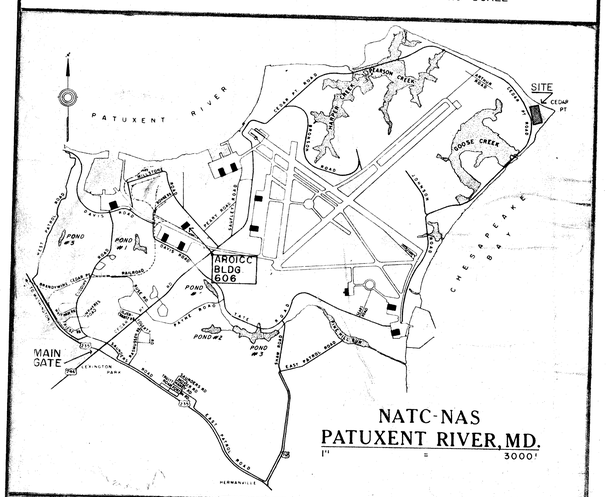
REVISIONS	
SYMBOL	DESCRIPTION

NAVAL AIR TEST CENTER
CHESAPEAKE TEST RANGE BUILDING ADDITION
PATUXENT RIVER, MARYLAND

CHAPMAN, MILLER & LAYNE — Architects
WILLIAM A. BROWN, INC. — Mechanical & Electrical Engineers
CARL C. HANSEN — Structural Engineers
DAVID VOLKERT & ASSOCIATES — Civil Engineers

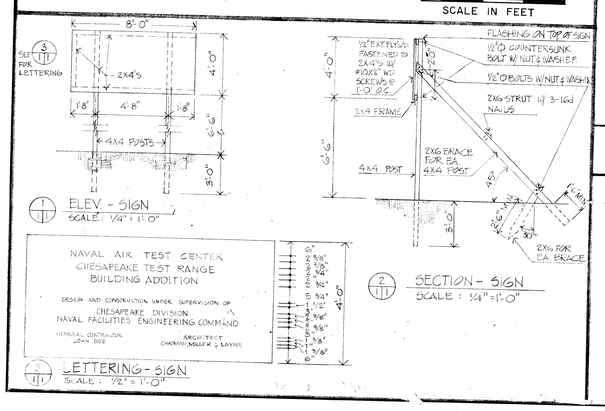


VICINITY MAP NO SCALE



NATC-NAS
PATUXENT RIVER, MD.
1" = 3000'

STATION MAP 1000 0 2000 4000 6000 SCALE IN FEET



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

2 SECTION - SIGN SCALE: 1/4" = 1'-0"

3 LETTERING - SIGN SCALE: 1/2" = 1'-0"

ABBREVIATIONS

ac.	access
ac.t.	acoustic tile
adj.	adjustable
a.h.	air handling
alum.	aluminum
anc.	anchor
@	at
bd.	board
bit.	bituminous
bldg.	building
blk.	block
blk'g.	blocking
bm.	beam
bot.	bottom
br.	brick
br. hd.	branch head
b.u.	built-up roof
betw.	between
c.p.	concrete culvert pipe
cab.	cabinet
c.w.b.m.	capillary water barrier material
cem.	cement
chalkbd.	chalkboard
c.i.	cast iron
[	channel
℄	centerline
c.j.	control joint
cl.	closet
clg.	ceiling
c.m.u.	concrete masonry unit
c.o.	clean out
col.	column
conc.	concrete
conf.	conference
const.	construction
cont.	continuous
corr.	corridor
c.t.	ceramic tile
ctr.	center
cu.ft.	cubic feet
c.w.	cold water
cpd	compartment
det.	detail
dia.	diameter
dim.	dimension
dmt. ptn.	demountable partition
dr.	door
d.s.	downspout
dwg.	drawing or drawings
ea.	each
e.j.c.p.	expansion joint cover plate
elect.	electrical
el./elev.	elevation
engr.	engineer
eq.	equal
equip.	equipment
e.w.c.	electric water cooler
exh.	exhaust
exist.	existing
exp.	exposed
exp. jt.	expansion joint
ext.	exterior
E.W.	Each Way
F.	Fahrenheit
f.d.	floor drain
f.e.c	fire extinguisher cabinet
f.f.	first floor
fin.	finish or finished
fixt.	fixture
fl.	floor
ft.	foot or feet
ftg.	footing
gen.	generator
ga.	gage or gauge
galv.	galvanized
G.F.E.	Government Furnish Equipment
gl.	glass
g.p.m.	gallons per minute
G.I.	galvanized iron pipe
hdcp.	handicap
hdwd.	hardwood
hdw.	hardware
hgt.	height
h.m.	hollow metal
horiz.	horizontal
h.p.	horsepower
h.w.	hot water
I.P.	iron pipe
i.d.	inside diameter
in.	inch or inches
insul.	insulation
inv.	invert
jan.	janitor
jt.	joint
kw.	kilowatt
lav.	lavatory
lb.	pound
lin. ft.	lineal foot
lt.	light
mat.	materials
max.	maximum
mech.	mechanical
met.	metal
met. th.	metal threshold
mfr.	manufacturer
m.h.	man hole
min.	minimum
misc.	miscellaneous
m.o.	masonry opening
mt.	mount
m.t.	marble threshold
N.I.C.	Not in Contract
neopr.	neoprene
no. or #	number
nom.	nominal
o.c.	on center
o.d.	outside diameter
opt. off.	optics office
opg.	opening
oz.	ounce, ounces
p.c.c.	portland cement concrete
p. or /	per
pl. or ℙ	plate
plas.	plaster
plwd.	plywood
pnl.	panel
port.	portable
p.r.	prepared roll
proj.	projection
ptd.	painted
ptn.	partition
Pvmt.	Pavement
qual. cont.	quality control
rad.	radius
r.d.	roof drain
refrig.	refrigerator
rein.	reinforcement
resil.	resilient
rm.	room
S.H.A.	State Highway Administration
s.d.	soap dispenser
sec.	secretary
sect. hd.	section head
serv.	service
sh.	shower
s.n.disp.	sanitary napkin dispenser
s.s.	stainless steel
stl.	steel
std.	standard
struc.	structural
susp.	suspended
sym.	symbol
T.	threshold
t.d.	towel dispenser
temp.	tempered
t.h.	toilet paper holder
toil.	toilet
t.w.	top of the wall
typ.	typical
v.a.t.	vinyl asbestos tile
vert.	vertical
w/	with
wd.	wood
w.c.	water closet
W.W.	welded wire fabric

MATERIALS

BRICK
CONCRETE
CONCRETE MASONRY UNIT
DEMOUNTABLE PARTITION
EARTH
GLASS
ACOUSTIC PNL.
GLASS FIBER FILL
GRAVEL
GYPSUM BOARD
MORTAR, CEMENT OR PUTTY
RIGID INSUL.
STEEL
VERTICALLY REIN. MASONRY
WOOD BLOCKING
WOOD FINISH
PERLITE
ALUMINUM
ROUGH SAWN BOARD FINISH CONCRETE

ARCHITECTURAL REGISTRATION BOARD 3353-R STATE OF MARYLAND

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SYMBOLS

Detail No. / Reference Sheet / Sheet No. Where Shown — 6 / 5 7 — DETAIL

Section No. / Reference Sheet / Sheet No. Where Shown — DETAIL

23 — DOOR SCHEDULE

A — EXTERIOR WINDOW SCHEDULE

2118 North.

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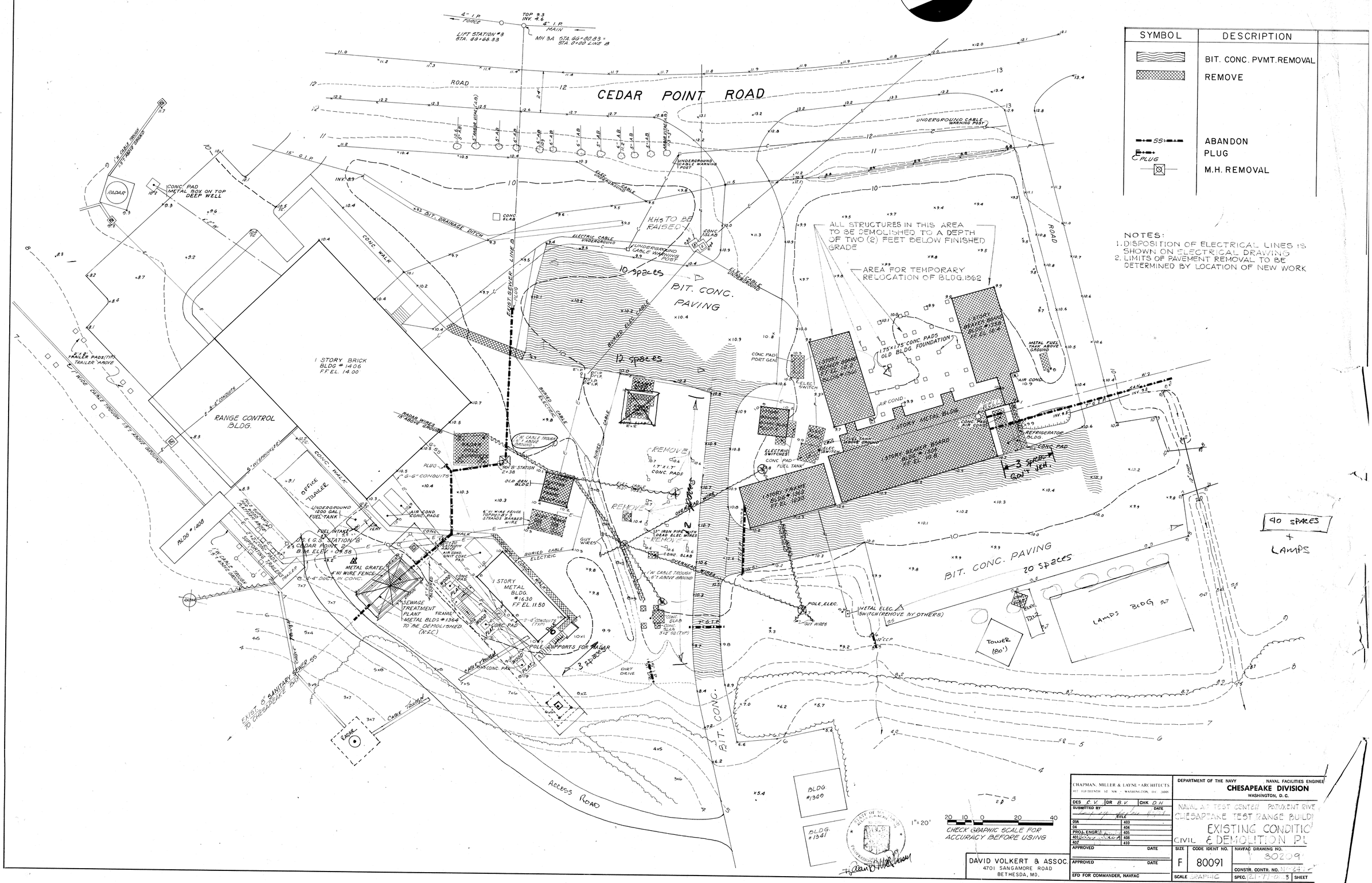
DES J.M.	DR D.D. M.P.	CHK K.L.
SUBMITTED BY		DATE
TITLE		
09A	403	
04	404	
PROJ. ENGR.	405	
401	408	
402	410	
APPROVED		DATE
APPROVED		DATE
EFD FOR COMMANDER, NAVFAC		

DEPARTMENT OF THE NAVY — NAVAL
CHESAPEAKE
WASHINGTON,

NAVAL AIR TEST CENTER
CHESAPEAKE TEST RA
BUILDING ADDITION
LOCATION PLANS

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.
F	80091	302
SCALE GRAPHIC		CONSTR. CONTR. NO. NE
		SPEC. 21-77-01

REVISIONS				
SYMBOL	DESCRIPTION	PREPARED BY	DATE	APPR



SYMBOL	DESCRIPTION
	BIT. CONC. PVMT. REMOVAL
	REMOVE
SS	ABANDON
E	PLUG
	M.H. REMOVAL

NOTES:
1. DISPOSITION OF ELECTRICAL LINES IS SHOWN ON ELECTRICAL DRAWING
2. LIMITS OF PAVEMENT REMOVAL TO BE DETERMINED BY LOCATION OF NEW WORK

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

NAVAL AIR TEST CENTER PATUXENT RIVER
CHESAPEAKE TEST RANGE BUILDING
EXISTING CONDITIONS
CIVIL & DEMOLITION PLAN

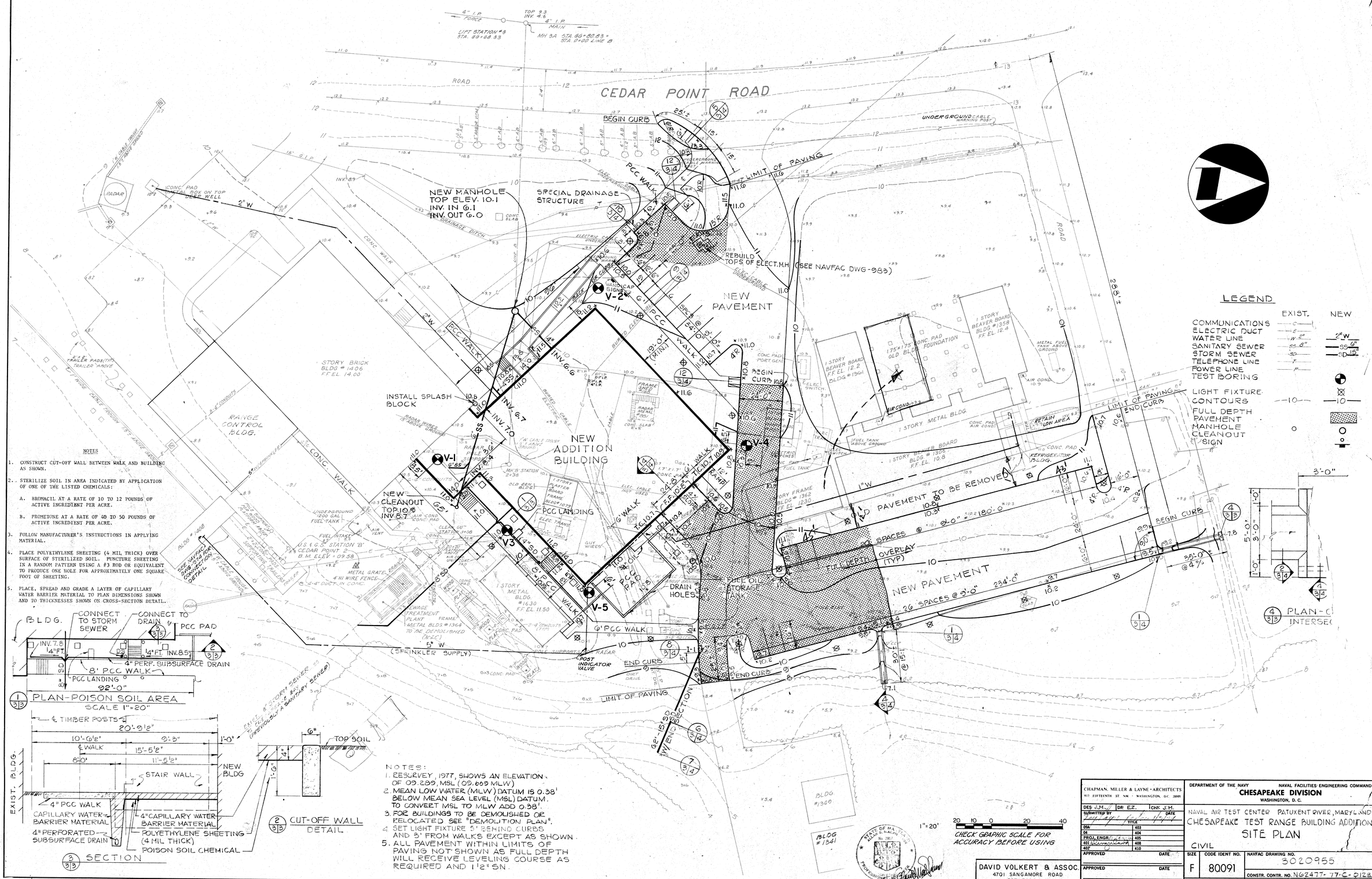
DES	DR	CHK
A.V.	B.V.	D.H.

SUBMITTED BY — DATE
PROJ. ENGR. — DATE
APPROVED — DATE
APPROVED — DATE
EFD FOR COMMANDER, NAVFAC

TITLE	
09A	403
04	404
	405
401	408
402	410

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.
F	80091	30209
SCALE GRAPHIC		CONSTR. CONTR. NO. N62470-77-C-0-3
		SPEC. 121-77-0-3 SHEET

REVISIONS				
SYMBOL	DESCRIPTION	PREPARED BY	DATE	APP



LEGEND

	EXIST.	NEW
COMMUNICATIONS	C	
ELECTRIC DUCT	E	
WATER LINE	W 5"	2" W
SANITARY SEWER	SS 8"	SS 6"
STORM SEWER	SD	SD 15"
TELEPHONE LINE	T	
POWER LINE	P	
TEST BORING		
LIGHT FIXTURE		
CONTOURS	10	10
FULL DEPTH PAVEMENT		
MANHOLE		
CLEANOUT		
SIGN		

NOTES

1. CONSTRUCT CUT-OFF WALL BETWEEN WALK AND BUILDING AS SHOWN.
2. STERILIZE SOIL IN AREA INDICATED BY APPLICATION OF ONE OF THE LISTED CHEMICALS:
   A. BROMACIL AT A RATE OF 10 TO 12 POUNDS OF ACTIVE INGREDIENT PER ACRE.
   B. PROMETONE AT A RATE OF 40 TO 50 POUNDS OF ACTIVE INGREDIENT PER ACRE.
3. FOLLOW MANUFACTURER'S INSTRUCTIONS IN APPLYING MATERIAL.
4. PLACE POLYETHYLENE SHEETING (4 MIL THICK) OVER SURFACE OF STERILIZED SOIL. PUNCTURE SHEETING IN A RANDOM PATTERN USING A #3 ROD OR EQUIVALENT TO PRODUCE ONE HOLE FOR APPROXIMATELY ONE SQUARE FOOT OF SHEETING.
5. PLACE, SPREAD AND GRADE A LAYER OF CAPILLARY WATER BARRIER MATERIAL TO PLAN DIMENSIONS SHOWN AND TO THICKNESSES SHOWN ON CROSS-SECTION DETAIL.

1/3 PLAN-POISON SOIL AREA
SCALE 1"=20'

3/3 SECTION

2/3 CUT-OFF WALL DETAIL

NOTES:
1. RESURVEY, 1977, SHOWS AN ELEVATION OF 09.289, MSL (09.669 MLW)
2. MEAN LOW WATER (MLW) DATUM IS 0.38' BELOW MEAN SEA LEVEL (MSL) DATUM. TO CONVERT MSL TO MLW ADD 0.38'.
3. FOR BUILDINGS TO BE DEMOLISHED OR RELOCATED SEE "DEMOLITION PLAN".
4. SET LIGHT FIXTURE 5' BEHIND CURBS AND 3' FROM WALKS EXCEPT AS SHOWN.
5. ALL PAVEMENT WITHIN LIMITS OF PAVING NOT SHOWN AS FULL DEPTH WILL RECEIVE LEVELING COURSE AS REQUIRED AND 1 1/2" SN.

4/3 PLAN-C INTERSEC

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DES J.H. | DR E.Z. | CHK J.H.

SUBMITTED BY	TITLE	DATE
OSA	403	
OA	404	
PROJ. ENGR.	405	
401	408	
402	410	

APPROVED DATE
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EFD FOR COMMANDER, NAVFAC

DAVID VOLKERT & ASSOC.
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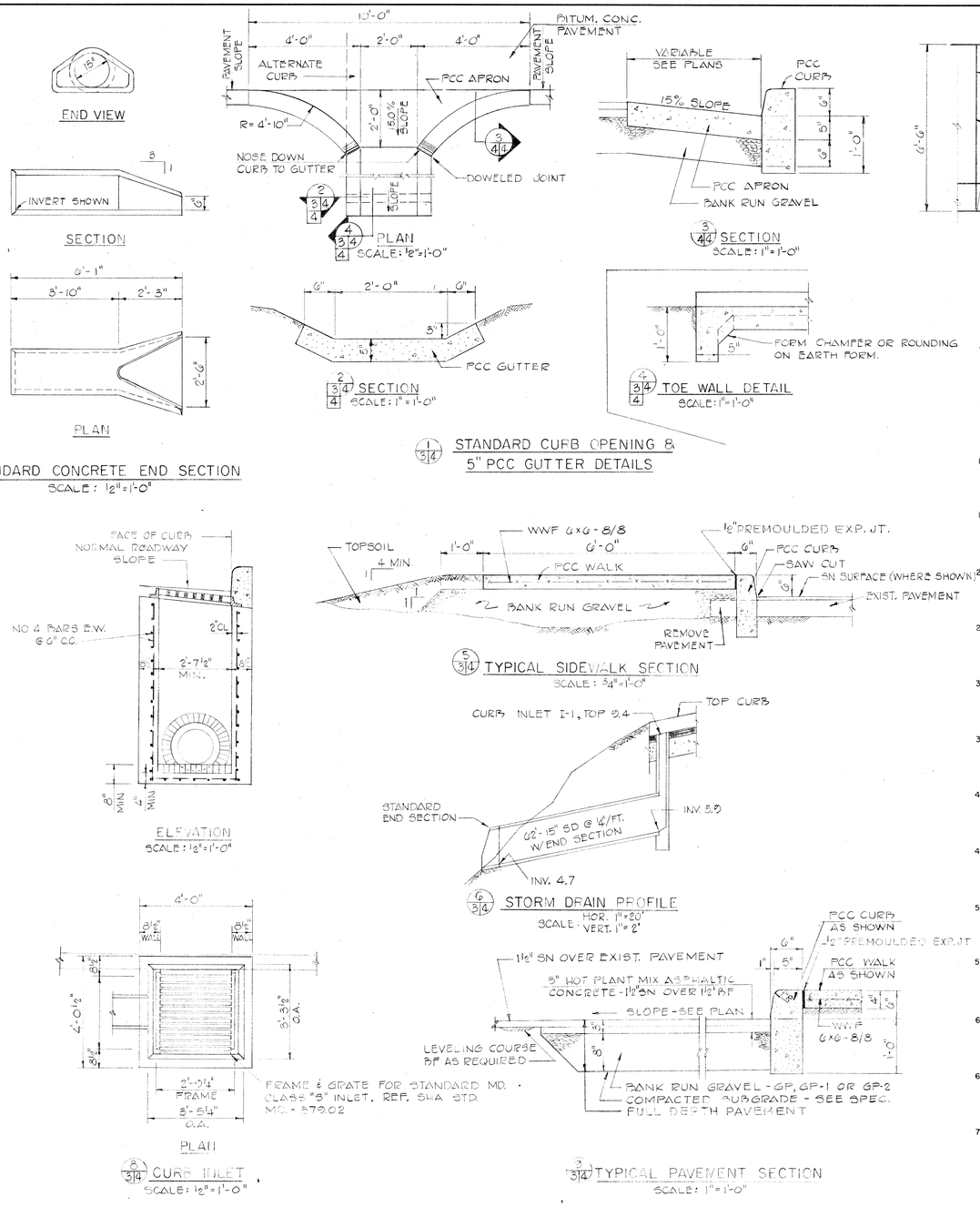
DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

NAVAL AIR TEST CENTER PATUXENT RIVER, MARYLAND
CHESAPEAKE TEST RANGE BUILDING ADDITION
SITE PLAN
CIVIL

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.
F	80091	3020955

CONSTR. CONTR. NO. N62477-77-C-0123
SCALE GRAPHIC | SPEC. 21-77-0123 | SHEET 3 | OF 36

REVISIONS				
SYMBOL	DESCRIPTION	PREPARED BY	DATE	APPROVED



BORING NO. V-1

SOIL DESCRIPTION	STRA. DEPTH	COND.	BLOWS /6"	NO.	TYPE	REC.
SURFACE	0.0					
Topsoil	1.0	I	9 11 9	1	DS	15"
Light Brown, Moist, Silty Fine Sand "SC-SM"	9.0	I	4 5 9	2	DS	18"
		D	2 4 9	3	DS	8"
Light Brown, Wet, Fine Sand, Trace of Silt "SM"	25.0	D	7 9 14	4	DS	10"
		D	4 7 9	5	DS	13"
Light Gray, Wet, Fine Silty Sand "SM"	27.0	I	16 21 24	6	DS	18"
Light Gray, Wet, Sandy Clay "CL"	37.5	I	1 1 1	7	DS	6"
		I	4 7 9	8	DS	18"
Gray, Moist, Silty Clay "CH"	42.0	I	5 7 12	9	DS	16"
		U	PUSH	UD	PT	30"
Greenish-Gray, Wet, Sandy Clay to Clayey Sand W/ Shell "ML"		I	7 11 23	10	DS	17"
		I	7 20 45	11	DS	18"
		I	10 7 8	12	DS	18"
		I	9 15 12	13	DS	18"
		I	10 13 14	14	DS	18"
	70.5	I	7 9 15	15	DS	18"

Encountered Water at 9.0'

Hole Caved at 9.3' on completion
Date Started 5-13-77
Date Completed 5-16-77

BORING NO. V-2

SOIL DESCRIPTION	STRA. DEPTH	COND.	BLOWS /6"	NO.	TYPE	REC.
SURFACE	0.0					
Blacktop	0.5	D	3 4 4	1	DS	3"
Gray Cinders & Gravel	3.0					
Light Brown Clayey Silt "ML"	7.5	I	4 5 5	2	DS	10"
		D	2 4 8	3	DS	4"
Light Brown, Wet Sand & Gravel. "SP"	19.5	D	5 10 12	4	DS	6"
		I	2 3 4	5	DS	7"
Light Gray Silty Clay "CL"	24.0	I	4 4 5	6	DS	8"
Light Gray Wet, Fine to Medium Sand W/Silt Layers Some Shells "SP"		I	3 4 5	7	DS	10"
		I	PUSH	1	PT	27" *
		I	5 8 11	8	DS	18"
		I	3 5 10	9	DS	14"
		I	3 15 14	10	DS	11"
	49.0	I	50/2"	11	DS	3"
Light Gray, Wet, Silty Sand With Cemented Shell Layers. "SM"		I	50/5"	12	DS	9"
		I	9 14 26	13	DS	10"
Dark Green, Moist, Fine Sand, Trace of Silt W/ Shells. "SM"	63.0	I	12 25 30	14	DS	12"
	70.5	I	9 14 32	15	DS	10"

* Pushed Tube 30.5' To 33.0' Rec. 27"

Encountered Water at 9.6'

Hole Caved at 8.4' on completion
Date Started 5-12-77
Date Completed 5-12-77

BORING NO. V-3

SOIL DESCRIPTION	STRA. DEPTH	COND.	BLOWS /6"	NO.	TYPE	REC.
SURFACE	0.0					
Topsoil	1.0	I	9 26 25	1	DS	10"
Light Brown, Moist, Sandy Silt, Trace of Gravel at 1.0' "CL-ML"	9.0	I	2 5 9	2	DS	14"
Light Brown, Wet, Fine Sand, Trace Silt. "SM"		I	2 4 6	3	DS	16"
	20.0	I	3 5 12	4	DS	16"
Light Gray, Wet Sand, Trace Silt to Some Silt. "SC-SM"		I	3 6 2	5	DS	18"
		I	4 18 15	6	DS	18"
Light Gray, Wet, Silty Clay "CH"	32.0	I	2 2 3	7	DS	18"
Greenish Gray, Moist Silty Clay "CL"	37.0	I	2 2 2	8	DS	18"
	40.5	I	4 7 16	9	DS	18"

Encountered Water at 9.0'

Hole caved at 9.11 on completion
Date Started 5-17-77
Date Completed 5-17-77

BORING NO. V-4

SOIL DESCRIPTION	STRA. DEPTH	COND.	BLOWS /6"	NO.	TYPE	REC.
SURFACE	0.0					
Topsoil	1.0	I	2 3 5	1	DS	6"
Lt. Brown, Moist Silt Clay & Fine Sand "ML"	9.0	I	8 7 7	2	DS	10"
		D	8 10 12	3	DS	14"
Light Brown, Wet, Fine Sand, Trace Silt "SM"		D	5 8 13	4	DS	18"
		D	5 10 12	5	DS	10"
Lt. Gray Wet Sand, Trace Silt. "SM"	25.0	D	15 15 16	6	DS	18" *
Lt Gray Wet Clay, Some Fine Sand Trace Organic "CL"	28.5	I	W.O.R. 2 2	7	DS	18"
Dk. Brown, Wet, Peat "PT"	34.0	I	4 4 4	8	DS	18"
Dk. Gray, Wet, Clayey Silt "MH"	38.0	I	4 9 10	9	DS	16"
Light Gray, Wet, Silt, Sand & Shells "SM"	43.0	I	7 12 16	10	DS	10"
		I	8 27 30	11	DS	18"
		I	7 8 50	12	DS	16"
		I	21 21 50	13	DS	10"
Lt. Gray to Green Moist Sand w/Some Silt, Clay & Shells. "SM-SC"	61.5	I	7 12 30	14	DS	16"
	70.5	I	8 14 34	15	DS	15"

* Two Samples for Sample "6"

Encountered Water at 9.0'

Hole Caved at 9.0' on completion
Date Started 5-11-77
Date Completed 5-11-77

BORING NO. V-5

SOIL DESCRIPTION	STRA. DEPTH	COND.	BLOWS /6"	NO.	TYPE	REC.
SURFACE	0.0					
Topsoil	1.0	I	4 6 8	1	DS	18"
Light Brown, Moist Clayey Sand "SC"	8.5	I	2 5 5	2	DS	18"
Lt. Brown, Wet, Fine Sand, Trace of Silt, Some Gravel Below 17' "SP"		D	2 2 3	3	DS	10"
		D	2 7 9	4	DS	14"
Yellow To Lt. Gray, Wet Clay Trace Silt. "CL"	23.0	I	3 2 2	5	DS	18"
Lt. Gray, Wet Fine to Medium Sand, Trace of Silt "SM"		I	9 10 13	6	DS	18"
	31.5	D	2 2 3	7	DS	10"
Light Gray Sand & Silty Clay "CL"		I	2 2 3	8	DS	18"
Greenish Gray Moist, Silty Clay "CL"	37.0	I	2 7 8	9	DS	18"
	43.5	D	4 5 5	10	DS	13"
Greenish Gray Wet to Moist Sandy Clay With Shells "CL"		I	8 14 19	11	DS	18"
		I	4 5 11	12	DS	18"
		I	15 19 29	13	DS	17"
		I	4 11 25	14	DS	18"
	70.5	I	8 10 27	15	DS	18"

Encountered Water at 9.5'

Hole Caved at 8.2' on completion
Date Started 5-16-77
Date Completed 5-16-77

NOTES:

1. Boring made by Hollow Stem Augers (H.S.A.)
2. Standard penetration test (SPT) made by driving 2" OD sampler for 12" with 140# hammer falling 30". Count is made at 6" intervals. SPT is sum of 2nd and 3rd 6" interval counts.
3. Classification of soil made by using Unified Soil Classification System — i.e. "SM", "CL" etc.

LEGEND

SAMPLE CONDITIONS:
D - Disintegrated
I - Intact
U - Undisturbed
SAMPLE TYPE:
DS - Driven Split Spoon
PT - Pressed Shelby Tube

GRAPHIC SCALE

1" = 20'
1" = 1'-0"
1/2" = 1'-0"
1/8" = 1'-0"

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DES. J.M. GRAY DRFT. M.G. CHK. J.M.

SUBMITTED BY	DATE
[illegible]	

TITLE	
OIA	403
04	404
PROJ. ENGR.	405
403	408
403	410

APPROVED DATE

APPROVED DATE

EFD FOR COMMANDER, NAVFAC

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

NAVAL AIR TEST CENTER PATUXENT RIVER, MARYLAND
CHESAPEAKE TEST RANGE BUILDING ADDITION

SECTIONS, DETAILS & SOIL BORING LOGS

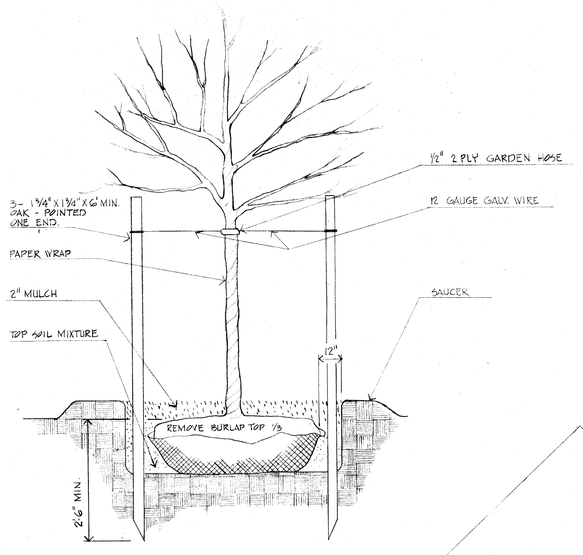
CIVIL

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.
F	80091	3020456

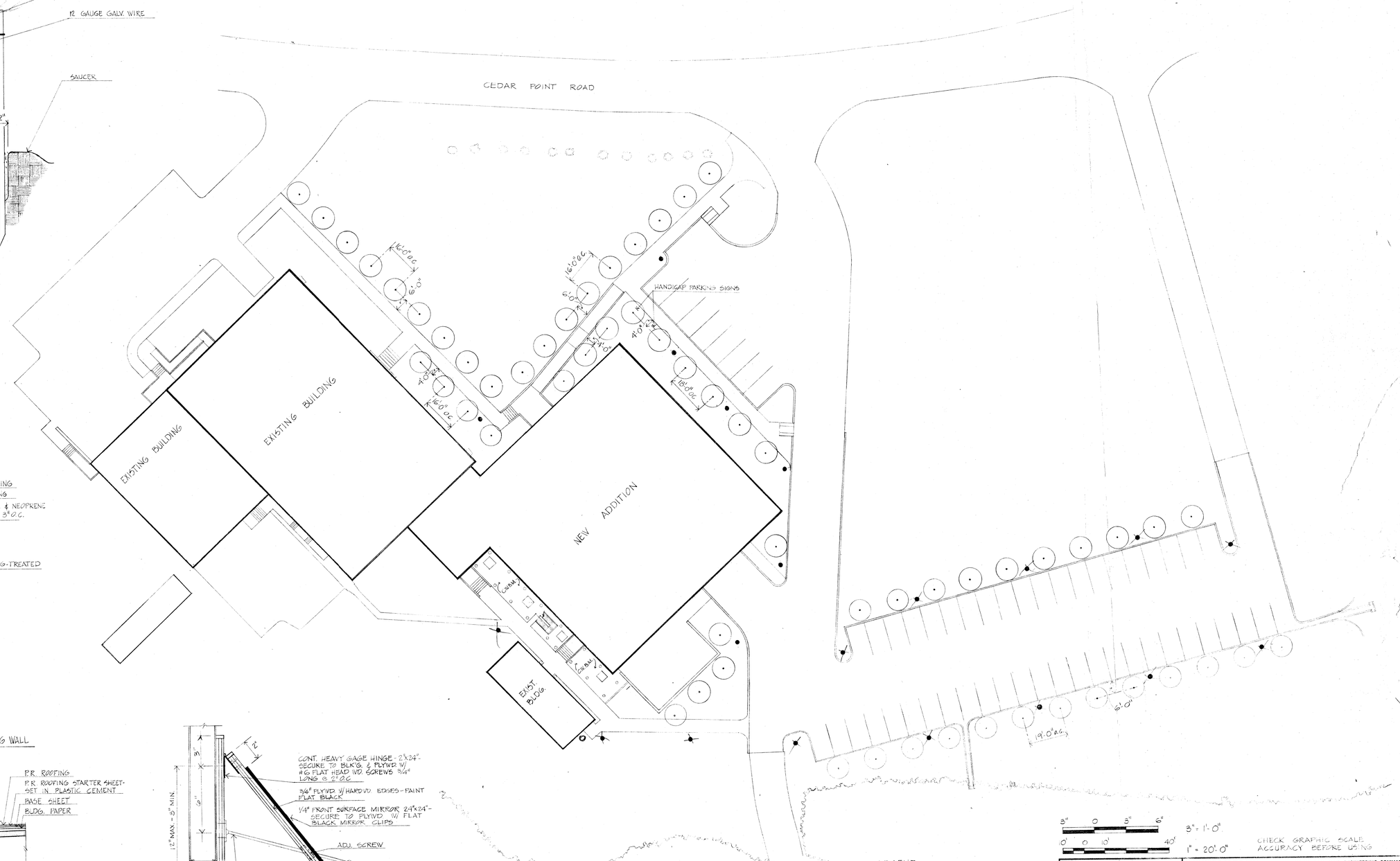
CONSTR. CONTR. NO. N62477-77-C-0123

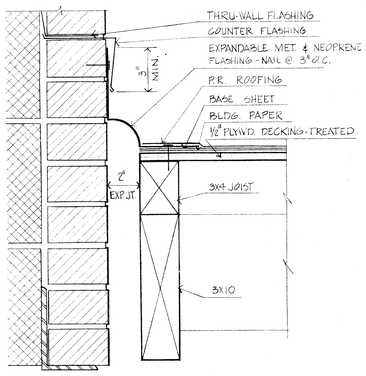
SCALE GRAPHIC — SPEC. 21-77-0123 — SHEET 4 OF 36

REVISIONS				
SYMBOL	DESCRIPTION	PREPARED BY	DATE	APPROVED

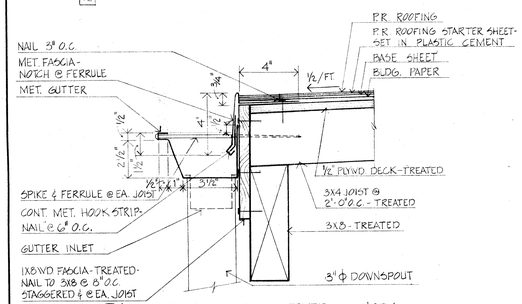


2 (2/5) DETAIL - TREE PLANTING
NO SCALE

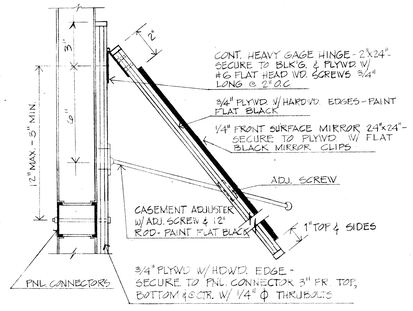




3 (3/12 5) DETAIL - CANOPY ROOF @ BUILDING WALL
SCALE : 3" = 1'-0"



4 (4/12 5) DETAIL - FASCIA & GUTTER @ CANOPY
SCALE : 3" = 1'-0"



5 (5/12 5) DETAIL - REAR PROJECTION MIRROR
SCALE : 3" = 1'-0"

1 (1/5 5) LANDSCAPE PLAN
SCALE : 1" = 20'-0"

LEGEND

- EXISTING TREES & SHRUBS
- CRAPE MYRTLES - 59 @ 10'-12' HIGH
- LIGHT POLES

NOTE : SEED ALL AREAS DISTURBED BY CONSTRUCTION OR DEMOLITION

3" 0 3" 6"
0 0 10' 40'
3" = 1'-0"
1" = 20'-0"
CHECK GRAPHIC SCALE ACCURACY BEFORE USING

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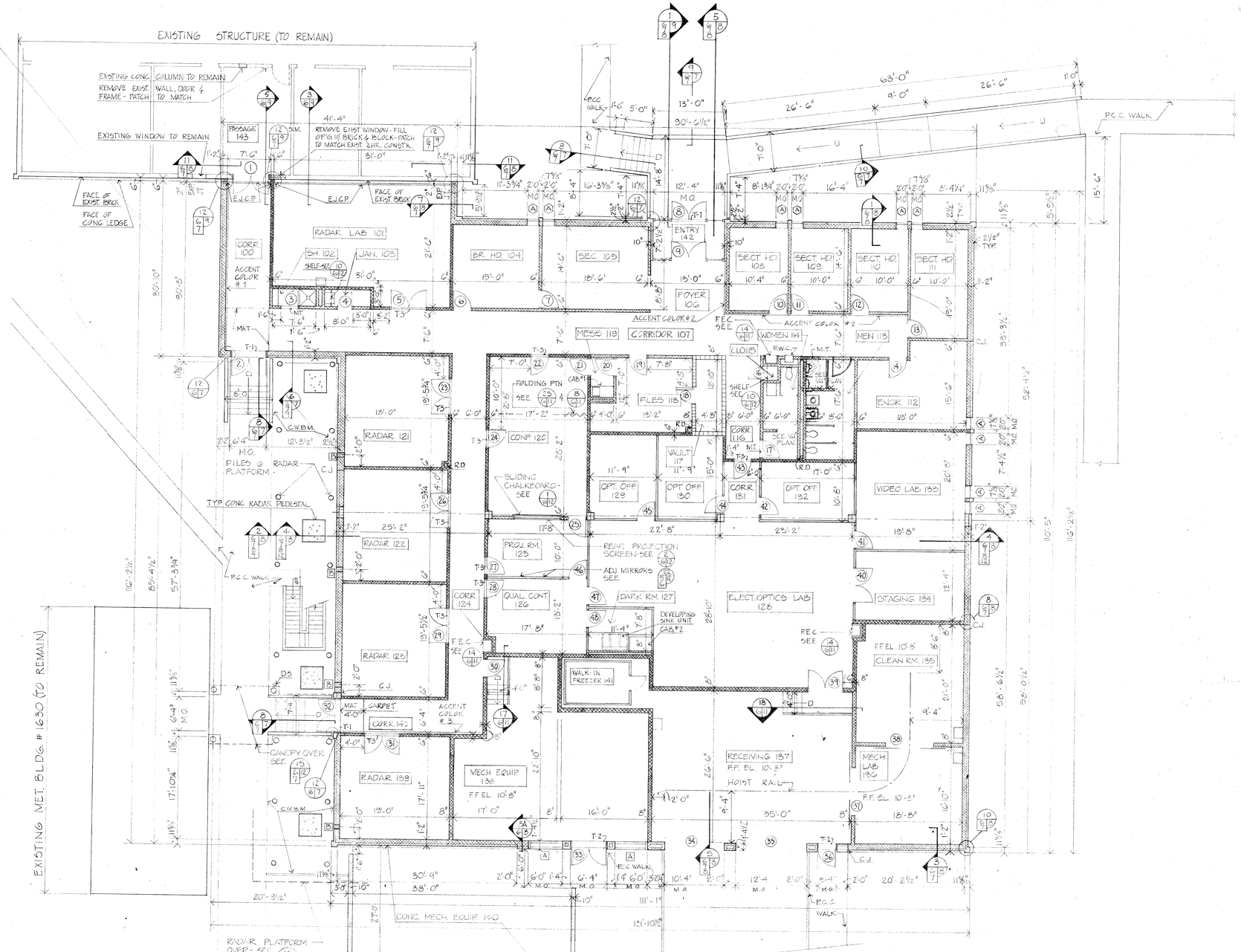
DES J. W. / DR D. D. / CHK K. L.		NAVAL AIR TEST CENTER PATUXENT RIVER, MD. CHESAPEAKE TEST RANGE BUILDING ADDITION	
SUBMITTED BY / TITLE / DATE		LANDSCAPE PLAN & MISC. DETAILS	
OIC	403	LANDSCAPE	
04	404		
PROJ. ENGR.	405		
401	408		
407	410		
APPROVED / DATE		SIZE F / CODE IDENT NO. 80091	NAVFAC DRAWING NO. 3020957
APPROVED / DATE			CONSTR. CONTR. NO. N62477-77-C-0123
EFD FOR COMMANDER, NAVFAC		SCALE GRAPHIC	SPEC. 21-77-0123 / SHEET 5 OF 56

FINISH SCHEDULE

RM. NO.	DESCRIPTION	FLOOR MAT.	FLOOR FIN.	BASE MAT.	BASE HGT.	WALLS MAT.	WALLS FIN.	CEILING MAT.	CEILING HGT.	REMARKS
100	CORRIDOR	CARPET * MAT	—	RESIL.	4"	C.M.U. E.J.C.P.	PTD.* —	AC. T.	9'-0"	* SEE DET. (16/6/11) ** ACCENT WALL COLOR #1 - SEE PLAN
101	RADAR LAB.	ACCESS FLOOR W/ CARPET (2)	—	RESIL.	4"	C.M.U. E.J.C.P.	PTD. —	AC.T.	9'-0"	
102	SHOWER	C.T.	—	C.T.	—	C.T.	—	CEMENT PLASTER-PTD.	8'-0"	
103	JANITOR	V.A.T.	WAX	RESIL.	4"	C.M.U.	PTD.	CEMENT PLASTER-PTD.	8'-0"	
104	BRANCH HEAD	CARPET	—	RESIL.	4"	C.M.U.	PTD.	AC. T.	9'-0"	
105	SECRETARIES	CARPET	—	RESIL.	4"	C.M.U.	PTD.	AC. T.	9'-0"	
106	FOYER	CARPET	—	RESIL.	4"	C.M.U. BRICK	PTD.* EXP.	AC. T.	9'-0"	* ACCENT WALL COLOR #2 - SEE PLAN
107	CORRIDOR	CARPET	—	RESIL.	4"	C.M.U.	PTD*	A.C. T.	9'-0"	* ACCENT WALL COLOR #2 - SEE PLAN
108	SECTION HEAD	CARPET	—	RESIL.	4"	C.M.U.	PTD.	AC. T.	9'-0"	
109	SECTION HEAD	CARPET	—	RESIL.	4"	C.M.U.	PTD.	A.C. T.	9'-0"	
110	SECTION HEAD	CARPET	—	RESIL.	4"	C.M.U.	PTD.	AC. T.	9'-0"	
111	SECTION HEAD	CARPET	—	RESIL.	4"	C.M.U.	PTD.	AC. T.	9'-0"	
112	ENGINEER	CARPET	—	RESIL.	4"	C.M.U.	PTD.	AC. T.	9'-0"	
113	MEN	C.T.	—	C.T.	5'	C.M.U. C.T. *	PTD. —	SUSP. MET. PAN	9'-0"	* 5'-8" WAINSCOT @ FIXT. WALL
114	WOMEN	C.T.	—	C.T.	5'	C.M.U. C.T. *	PTD. —	SUSP. MET. PAN	9'-0"	* 5'-8" WAINSCOT @ FIXT. WALL
115	CLOSET	V.A.T.	WAX	RESIL.	4"	C.M.U.	PTD.	AC.T.	8'-0"	
116	CORRIDOR	CARPET	—	RESIL.	4"	C.M.U.	PTD.	AC. T.	8'-0"	
117	VAULT	V.A.T.	—	RESIL.	4"	C.M.U.	PTD.	CONC-PTD	9'-0"	
118	FILES	CARPET	—	RESIL.	4"	C.M.U.	PTD.	AC. T.	9'0"	
119	MESS	VAT.	WAX	RESIL.	4"	C.M.U.	PTD.	AC T.	8'-0"	
120	CONFERENCE	CARPET	—	RESIL.	4"	C.M.U.	PTD.	A.C. T.	9'-0"	
121	RADAR	ACCESS FLOOR W/ CARPET (2)	—	RESIL.	4	*AC PNLS	—	AC. T	9'-0"	* SEE DET. (11/8/13)
122	RADAR	ACCESS FLOOR W/ CARPET (2)	—	RESIL.	4"	*AC. PNLS.	—	AC T	9'-0"	* SEE DET. (11/8/13)
123	RADAR	ACCESS FLOOR W/ CARPET (2)	—	RESIL.	4"	*AC PNLS	—	AC T	9'-0"	* SEE DET. (11/8/13)
124	CORRIDOR	CARPET	—	RESIL.	4"	C.M.U.	PTD	A.C. T.	9'-0"	
125	PROJECTION RM.	ACCESS FLOOR W/ CARPET (2)	—	RESIL. DMT. PTN.	4" —	C.M.U. DMT. PTN	PTD.* PTD*	AC. T. PTD. *	9'-0"	* TO BE PTD. FLAT BLACK
126	QUALITY CONTROL	AC. T. FLOOR W. CARPET (2)	—	RESIL. DMT. PTN.	4" —	C.M.U DMT. PTN	PTD —	AC. T.	9'-0"	
127	DARK ROOM	ACCESS FLOOR W/ CARPET (2)	—	RESIL. DMT. PTN.	4" —	C.M.U. DMT. PTN.	PTD. —	AC. T.	9'-0"	
128	ELECTRICAL / OPTICS LAB	ACCESS FLOOR W/ CARPET (2)	—	RESIL. DMT. PTN	4" —	C.M.U. DMT. PTN.	PTD —	AC. T.	9'-0"	
129	OPTICS OFFICE	ACCESS FLOOR W/ CARPET (2)	—	RESIL. DMT. PTN.	4" —	C.M.U DMT. PTN	PTD —	AC. T	9'-0"	
130	OPTICS OFFICE	ACCESS FLOOR W/ CARPET (2)	—	RESIL. DMT. PTN.	4" —	C.M.U. DMT. PTN.	PTD —	AC. T.	9'-0"	
131	CORRIDOR	ACCESS FLOOR W/ CARPET (2)	—	RESIL. DMT. PTN.	4" —	C.M.U DMT. PTN	PTD. —	AC. T.	9'-0"	
132	OPTICS OFFICE	ACCESS FLOOR W/ CARPET (2)	—	RESIL. DMT. PTN.	4" —	C.M.U. DMT. PTN.	PTD. —	AC. T.	9'-0"	
133	VIDEO LAB	ACCESS FLOOR W/ CARPET (2)	—	RESIL. DMT. PTN.	4" —	C.M.U DMT. PTN	PTD —	AC. T.	9'0"	
134	STAGING	ACCESS FLOOR W/ CARPET (2)	—	RESIL. DMT. PTN.	4" —	C.M.U. DMT. PTN.	PTD —	AC. T.	9'-0"	
135	CLEAN ROOM	CONC.	STL. TROWEL	RESIL.	4"	SOUND-ABSORB. CMU *	PTD	CONC. PTD. MET. PAN (1)	VARIES VARIES	* FOR DET. @ EXT. WALL, SEE (25/6/11)
136	MECH. LAB	CONC	STL. TROWEL	—	—	SOUND-ABSORB. CMU *	PTD.	CONC. PTD. MET. PAN. (1)	VARIES VARIES	* FOR DET. @ EXT. WALL, SEE (25/6/11)
137	RECEIVING	CONC	ST. TROWEL	—	—	C.M.U.	PTD.	CONC. PTD	VARIES	
138	MECH. EQUIP.	CONC	ST. TROWEL	—	—	C.M.U.	PTD.	CONC. PTD	VARIES	
139	RADAR	ACCESS FLOOR W/ CARPET (2)	—	RESIL.	4"	*AC. PNLS.	—	AC. T.	VARIES	* SEE DET. (11/8/13)
140	CORRIDOR	CARPET * MAT	—	RESIL	4"	C.M.U.	PTD.*	AC. T.	9'-0"	* SEE DET. (16/6/11) ** ACCENT WALL COLOR #3 - SEE PLAN
H1	WALK-IN FREEZER*	—	—	—	—	—	—	—	—	* G.F.E. - INSTALLATION IN CONTRACT
142	ENTRY	MAT	—	—	—	BRICK	EXP.	AC. T.	11'-0"	
143(E)	PASSAGE	V.A.T.*	WAX	RESIL*	4"	C.M.U. * CONC. *	PTD PTD.	CONC-PTD.	11'-0"	* PATCH TO MATCH EXIST.

NOTES:
1. ACOUSTIC METAL PAN PNLS ATTACHED TO UNDERSIDE OF CONC TEES - SEE (24/6/11)
2. PAINT CONC SLAB BELOW ACCESS FLOOR.

REVISIONS				
SYMBOL	DESCRIPTION	PREPARED BY	DATE	APPROVED



NOTES:
1) FIN. FL. ELEV. 14'-0" UNLESS OTHERWISE NOTED.
2) DIM. TO DMT. PTN. ARE TO FINISHED FACE.
3) ▨ ONE HR. FIRE RATED CONSTRUCTION, UL#U904 - SEE SEC. 4 - NAVFAC DWG # 3020940
4) SEE NAVFAC DWG. # 3020979 FOR DETS IN WALL ABOVE CLG.
5) ALL PIPING TO BE RUN IN WALLS UNLESS CHASE INDICATED - SEE NAVFAC DWG # 3020972 - 3020976 FOR PIPING LOCATIONS.

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

5' 0 5' 10' 15' 20'
1/8" = 1'-0"
CHECK GRAPHIC SCALE ACCURACY BEFORE USING

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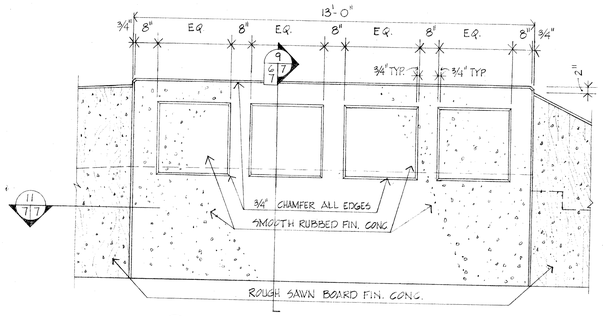
DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

DES. J.M. | DR. D.D. MP | CHK. K.L.
SUBMITTED BY | DATE
TITLE
09A 403
04 404
PROJ. ENGR. 405
401 408
402 410
APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

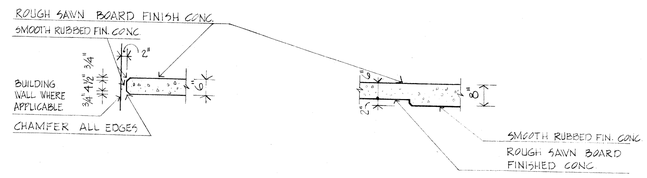
NAVAL AIR TEST CENTER PATUXENT RIVER, MARYLAND
CHESAPEAKE TEST RANGE BUILDING ADDITION
FLOOR PLAN & FINISH SCHEDULE
ARCHITECTURAL

SIZE F | CODE IDENT NO. 80091 | NAVFAC DRAWING NO. 3020958
CONSTR. CONTR. NO. N62477-77-C-0123
SCALE GRAPHIC | SPEC. 2. 77-0123 | SHEET 6 OF 36

REVISIONS				
SYMBOL	DESCRIPTION	PREPARED BY	DATE	APPROVED

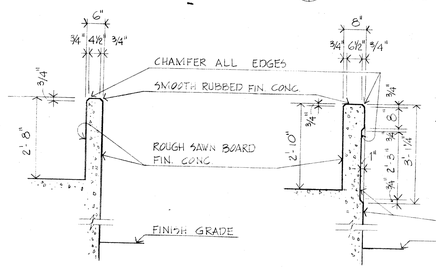


13 (13/7/7) ELEVATION - FRONT LANDING
SCALE : 1/2" = 1'-0"



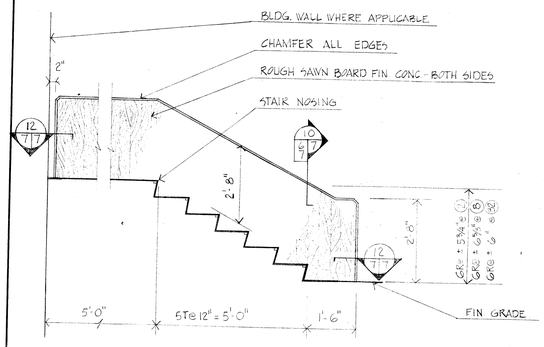
12 (12/6/7) PLAN DETAIL @ RAIL TERMINUS
SCALE : 1/2" = 1'-0"

11 (11/7/7) PLAN DETAIL @ RAMP FRONT LANDING
SCALE : 1/2" = 1'-0"

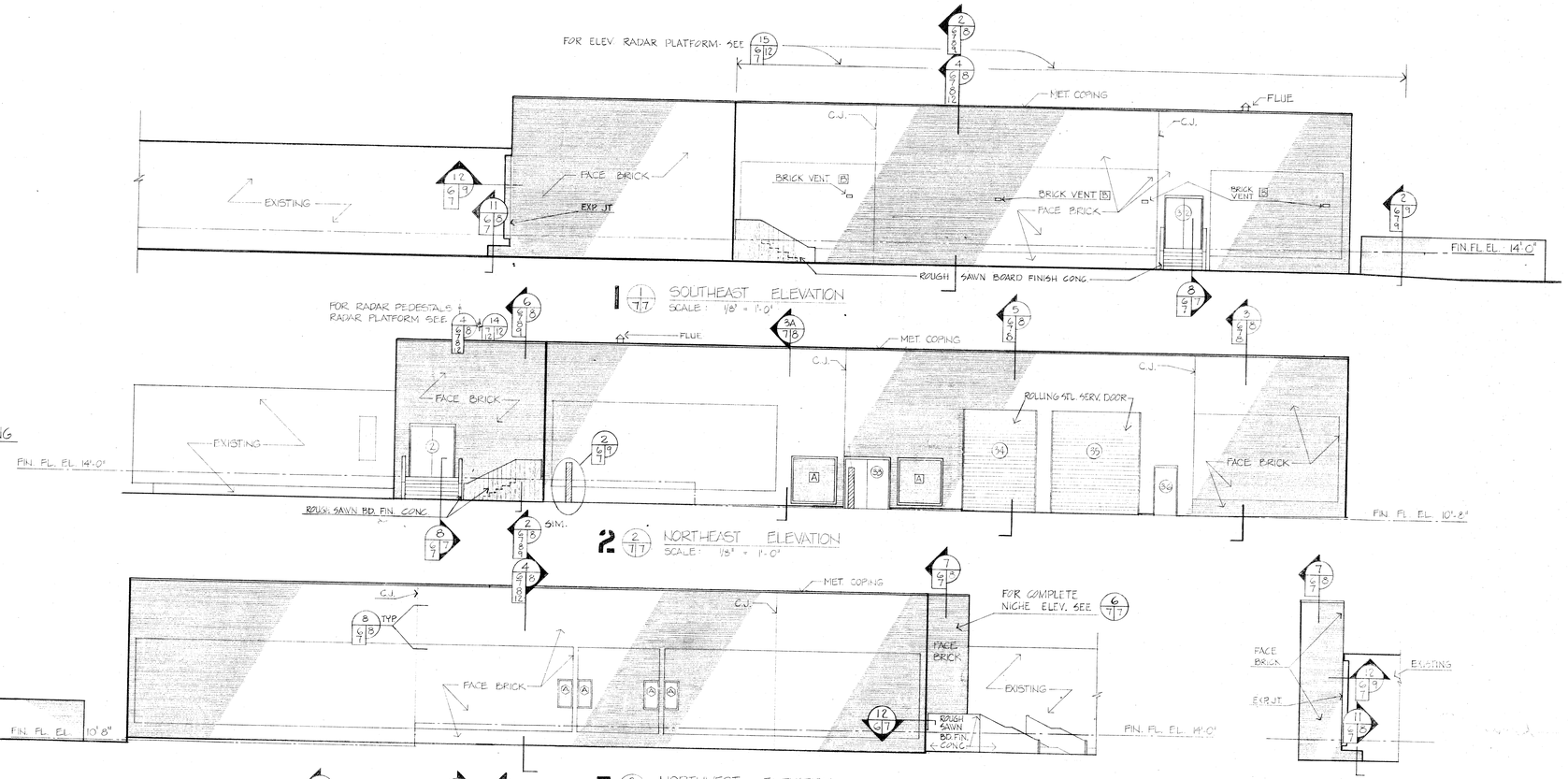


10 (10/6/7) SECTION THRU RAMP & STAIR RAIL
SCALE : 1/2" = 1'-0"

9 (9/6/7) SECTION THRU RAMP
SCALE : 1/2" = 1'-0"



8 (8/6/7) SECTION - TYP. EXTERIOR STAIRS
SCALE : 1/2" = 1'-0"



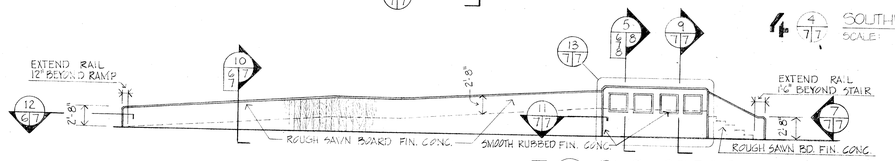
1 (1/7/7) SOUTHEAST ELEVATION
SCALE : 1/8" = 1'-0"

2 (2/7/7) NORTHEAST ELEVATION
SCALE : 1/8" = 1'-0"

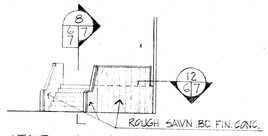
3 (3/7/7) NORTHWEST ELEVATION
SCALE : 1/8" = 1'-0"

4 (4/7/7) SOUTHWEST ELEVATION
SCALE : 1/8" = 1'-0"

6 (6/7/7) NICHE @ N.W. ELEV.
SCALE : 1/8" = 1'-0"

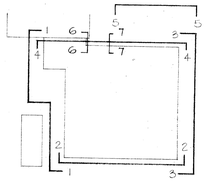


5 (5/7/7) RAMP - SOUTHWEST ELEVATION
SCALE : 1/8" = 1'-0"



7 (7/7/7) STAIR - SOUTHEAST ELEV.
SCALE : 1/8" = 1'-0"

CHECK GRAPHIC SCALE ACCURACY BEFORE USING
1' 0 1' 5' 1/2" = 1'-0"
5' 0 5' 10' 15' 20' 1/8" = 1'-0"



KEY PLAN (14)

ARCHITECTURAL REGISTRATION BOARD 2888-78 STATE OF MARYLAND

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

DES J.W. DR D.C.M. CHK K.L.

SUBMITTED BY	DATE
TITLE	
09A	403
04	404
PROJ. ENGR.	405
401	408
402	410

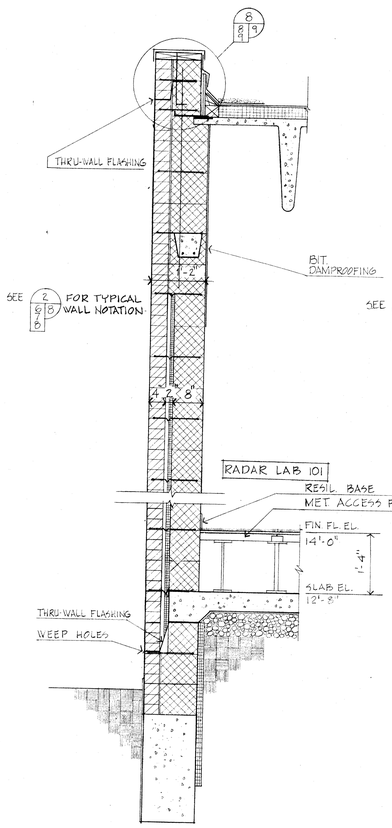
APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

NAVAL AIR TEST CENTER PATUXENT RIVER, MARYLAND
CHESAPEAKE TEST RANGE BUILDING ADDITION
BUILDING ELEVATIONS
ARCHITECTURAL

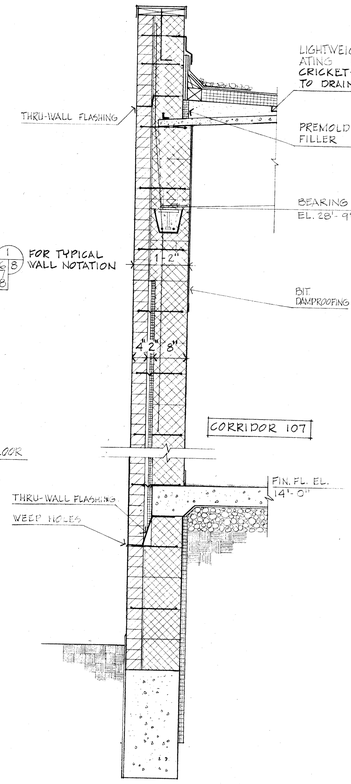
SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.
F	80091	3020959

CONSTR. CONTR. NO. N62477-77-C-0113
SCALE GRAPHIC SPEC. 21-77-0123 SHEET 7 OF 36

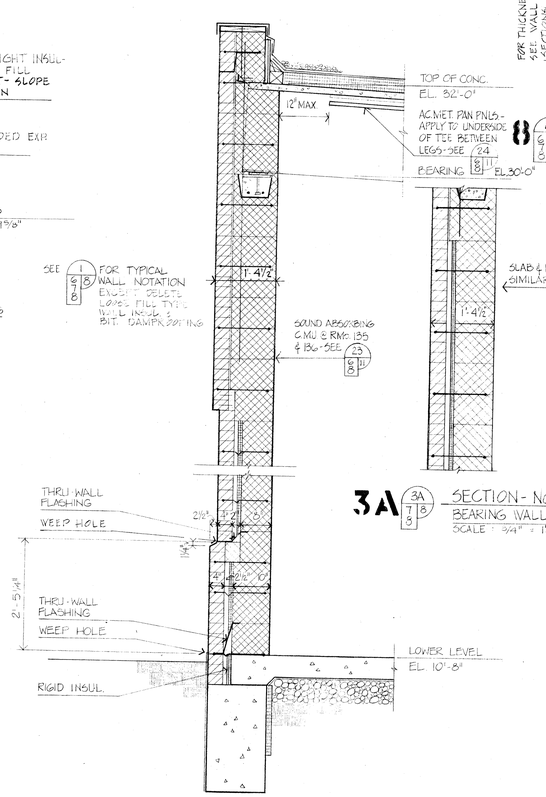
REVISIONS				
SYMBOL	DESCRIPTION	PREPARED BY	DATE	APPROVED



7 — 7/6/8 SECTION-NON-BEARING WALL @ CONNECTING LINK
SCALE: 3/4" = 1'-0"

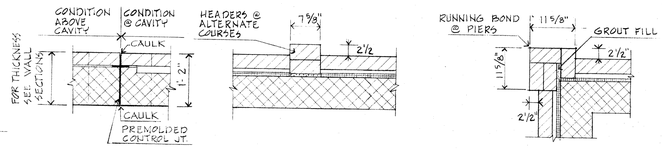


6 — 6/6/8 SECTION-BEARING WALL @ CONNECTING LINK
SCALE: 3/4" = 1'-0"



3A — 3A/7/8 SECTION-NORTHEAST BEARING WALL W/OUT CORBEL
SCALE: 3/4" = 1'-0"

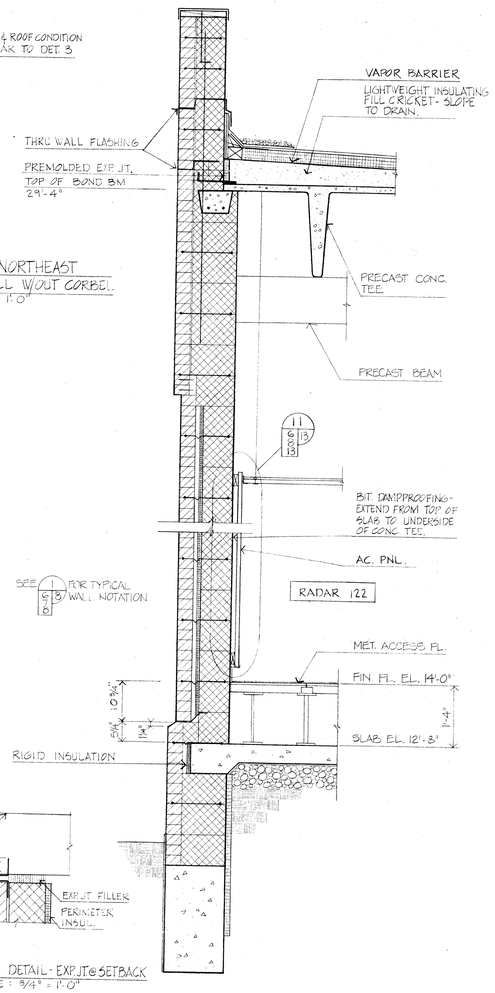
3 — 3/6/8 SECTION-TYPICAL NORTHEAST EXTERIOR BEARING WALL
SCALE: 3/4" = 1'-0"

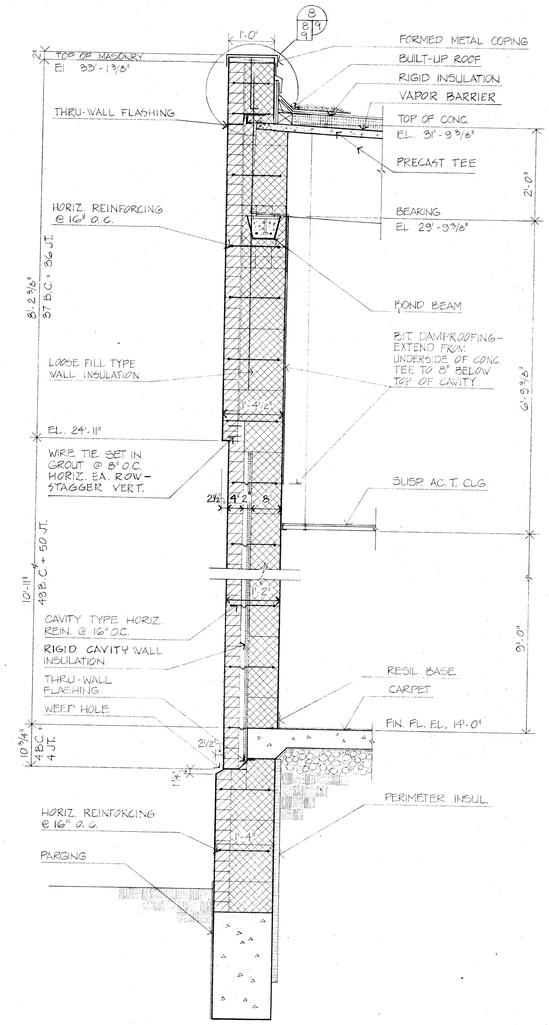


8 — 8/6/8 PLAN DETAIL-CONTROL JOINT
SCALE: 3/4" = 1'-0"

9 — 9/7/8 PLAN DETAIL-PIER
SCALE: 3/4" = 1'-0"

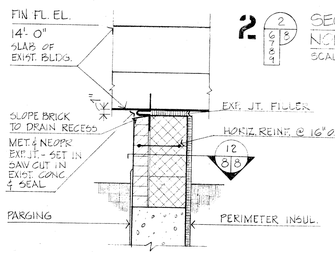
10 — 10/6/8 PLAN DETAIL-CORNER
SCALE: 3/4" = 1'-0"



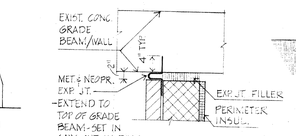


1 — 1/6/8 SECTION-SOUTHWEST EXTERIOR BEARING WALL
SCALE: 3/4" = 1'-0"

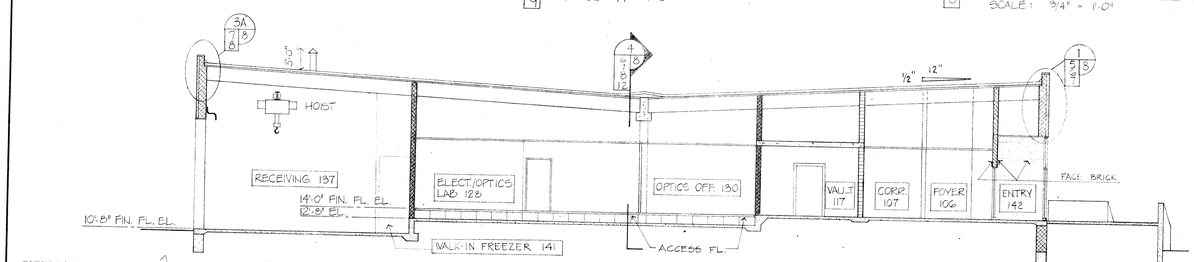
2 — 2/6/8 SECTION-TYPICAL EXTERIOR NON-BEARING WALL
SCALE: 3/4" = 1'-0"



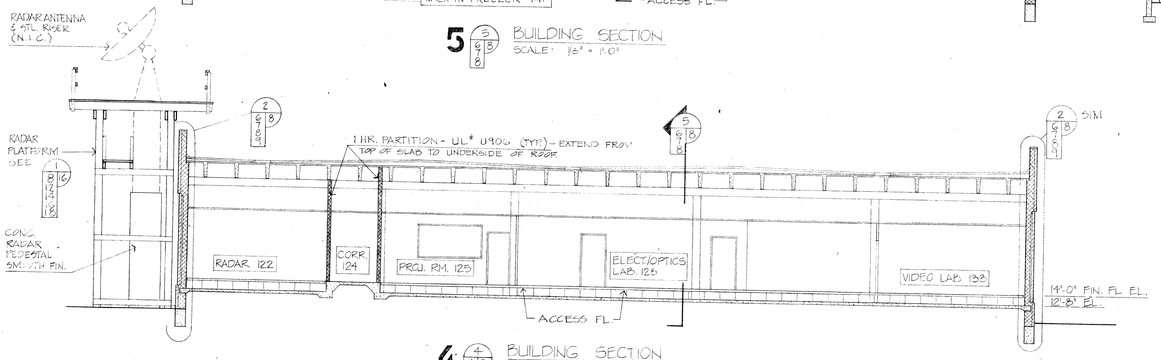
11 — 11/6/8 SECTION @ CONNECTING LINK
SCALE: 3/4" = 1'-0"



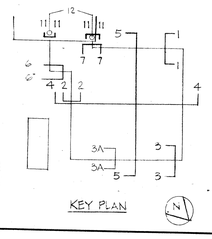
12 — 12/8/8 PLAN DETAIL-EXP. JT. @ SETBACK
SCALE: 3/4" = 1'-0"



5 — 5/6/8 BUILDING SECTION
SCALE: 1/8" = 1'-0"



4 — 4/6/8 BUILDING SECTION
SCALE: 1/8" = 1'-0"



5' 0 5' 10' 15' 20' 1/8" = 1'-0"
1' 6" 0 1' 2' 3' 3/4" = 1'-0"
CHECK GRAPHIC SCALE ACCURACY BEFORE USING

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817 FIFTEENTH ST. N.W. · WASHINGTON, D.C. 20005

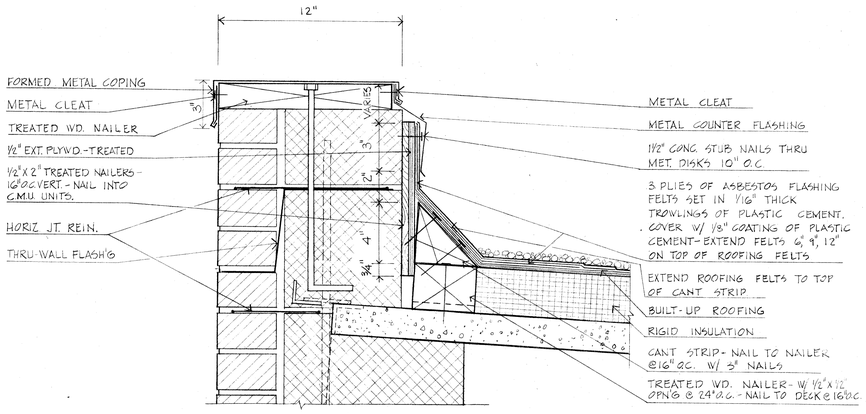
DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

DES J.M.	DR DD, M.P.	CHK K.L.
SUBMITTED BY		DATE
	TITLE	
09A		403
04		404
PROJ. ENGR.		405
401		408
402		410
APPROVED		DATE
APPROVED		DATE
EFD FOR COMMANDER, NAVFAC		

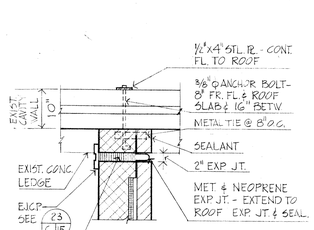
NAVAL AIR TEST CENTER — PATUXENT RIVER, MARYLAND
CHESAPEAKE TEST RANGE BUILDING ADDITION
BUILDING & WALL SECTIONS
ARCHITECTURAL

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.
F	80091	5020960
SCALE GRAPHIC		CONSTR. CONTR. NO. N62477-77-C-0123
		SPEC. 21-77-0123 — SHEET 8 OF 36

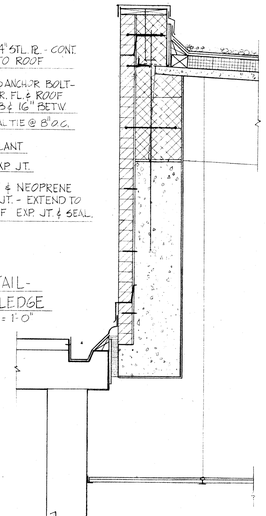
REVISIONS				
SYMBOL	DESCRIPTION	PREPARED BY	DATE	APPROVED

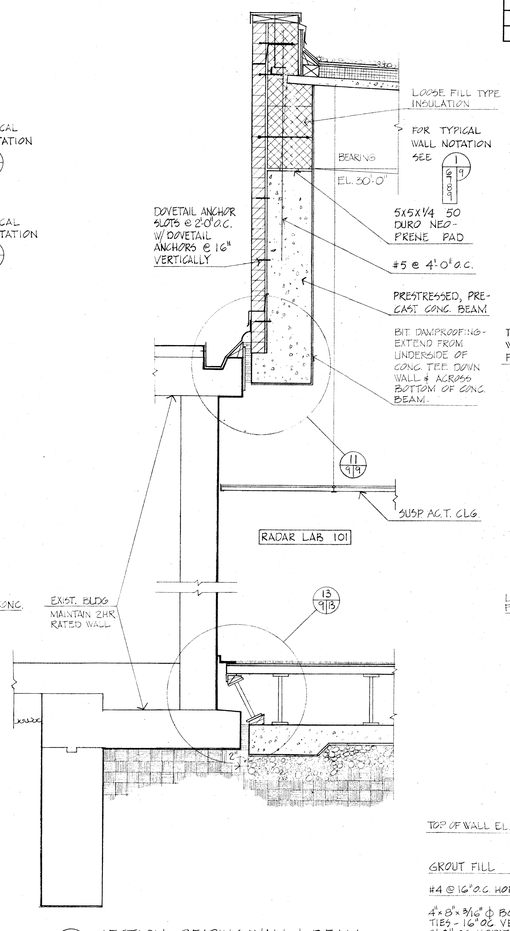


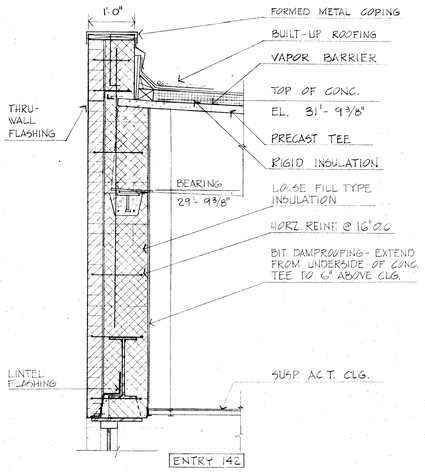
8 (8/9) PARAPET DETAIL
SCALE : 3" = 1'-0"



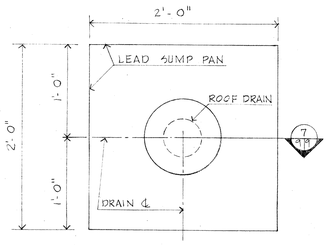
12 (12/6,7/9) PLAN DETAIL - EXP. JT. @ LEDGE
SCALE : 3/4" = 1'-0"



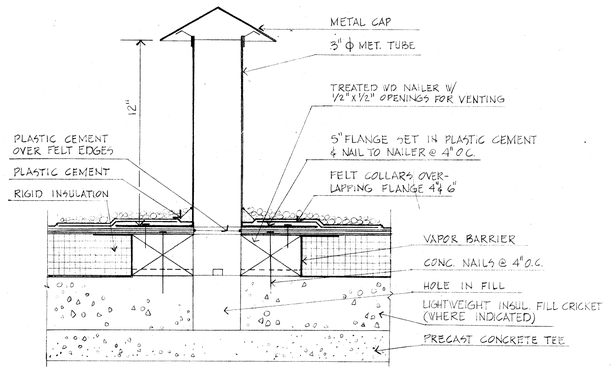




1 (1/9,10) SECTION - ENTRY 142
SCALE : 3/4" = 1'-0"



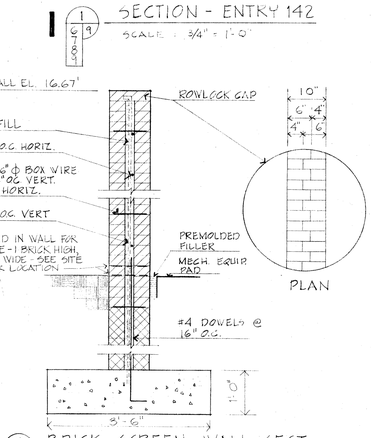
9 (9/9,10) SUMP PAN & DRAIN PLAN
SCALE : 1/2" = 1'-0"



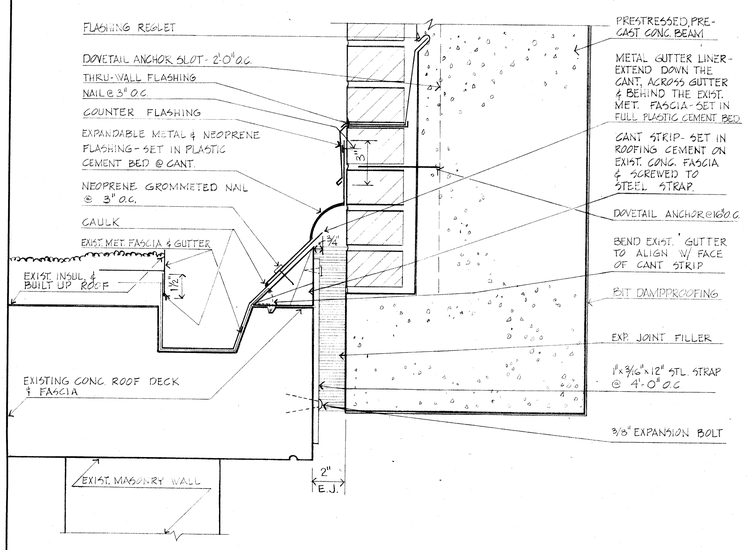
10 (10/9,10) MOISTURE RELEASE VENT
SCALE : 3" = 1'-0"

5 (5/6,9) SECTION - BEARING WALL & BEAM @ CONNECTING LINK
SCALE : 3/4" = 1'-0"

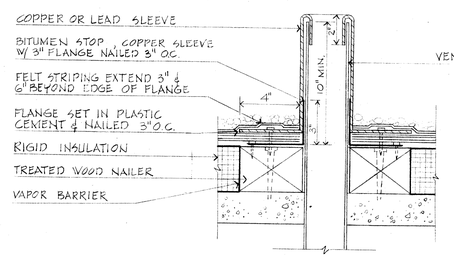
3 (3/6,9) SECTION - BEARING WALL & BEAM @ CONNECTING LINK
SCALE : 3/4" = 1'-0"



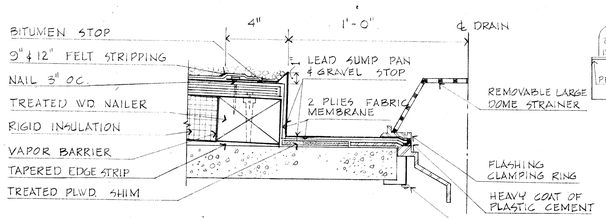
2 (2/6,9/14) BRICK SCREEN WALL SECT.
SCALE 3/4" = 1'-0"



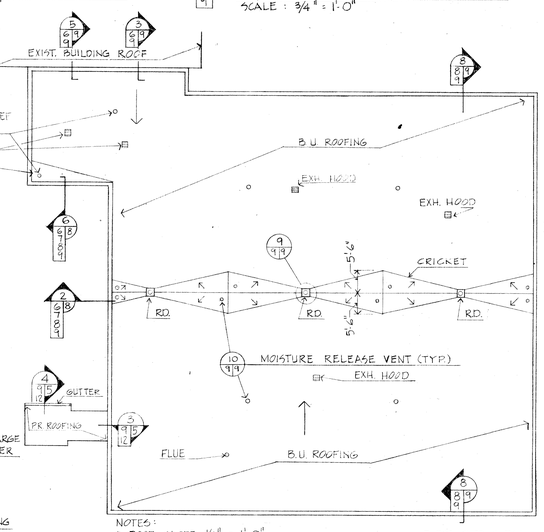
11 (11/9,9) DETAIL - ROOF EXPANSION JOINT @ EXISTING BUILDING
SCALE : 3" = 1'-0"



6 (6/9,9) VENT STACK DETAIL
SCALE : 3" = 1'-0"



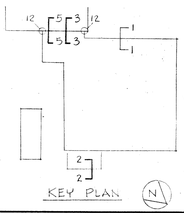
7 (7/9,9) ROOF DRAIN DETAIL
SCALE : 3" = 1'-0"



NOTES:
1. ROOF SLOPE 1/2" = 1'-0"
2. VENT STACK DET. - SEE (6/9,9)
3. CRICKET SHALL BE LIGHTWEIGHT INSULATING FILL W/ TAPERED EDGE STRIPS.
4. MOISTURE RELEIF VENT DETAIL - SEE (10/9,9)
5. FOR CURB @ EXH. HOODS, SEE (22/9,13)

4 (4/9,9/16) ROOF PLAN
SCALE : 1/16" = 1'-0"

CHECK GRAPHIC SCALE ACCURACY BEFORE USING



KEY PLAN

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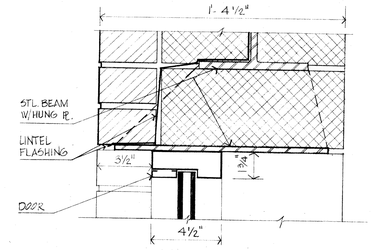
DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

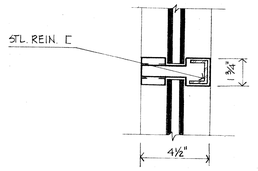
DES J.M.	DR C.D.	CHK
SUBMITTED BY		DATE
TITLE		
OIA	403	
04	404	
PROJ. ENGR.	405	
401	408	
402	410	
APPROVED		DATE
APPROVED		DATE
EFD FOR COMMANDER, NAVFAC		

NAVAL AIR TEST CENTER — PATUXENT RIVER, MD
CHESAPEAKE TEST RANGE BUILDING ADDITION
WALL SECTION, DETAILS, ROOF PLAN
ARCHITECTURAL

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.
F	80091	3020961
SCALE GRAPHIC		CONSTR. CONTR. NO. N62477-77-C-0123
		SPEC. 21-77-0125 SHEET 9 OF 36



11 (11/10/10) HEAD
SCALE : 3" = 1'-0"



12 (12/10/10) RAIL & MULLION
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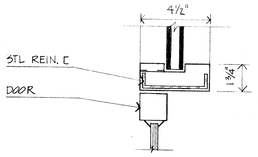
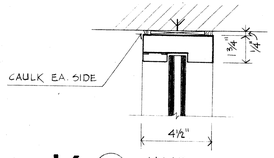
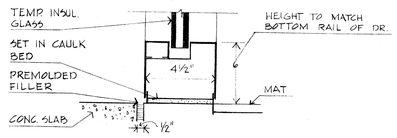


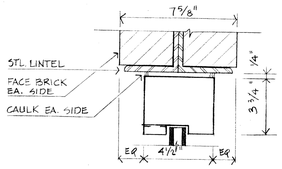
13 (3/10/10) JAMB
SCALE : 3" = 1'-0"



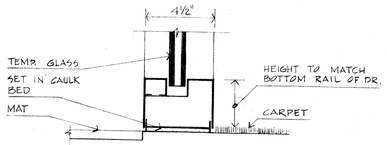
14 (14/10/10) JAMB
SCALE : 3" = 1'-0"



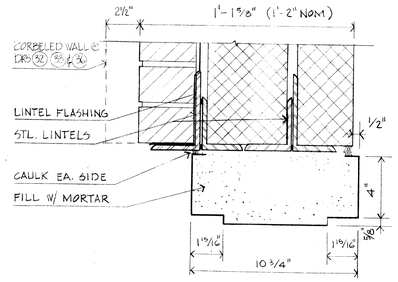
15 (15/10/10) SILL
SCALE : 3" = 1'-0"



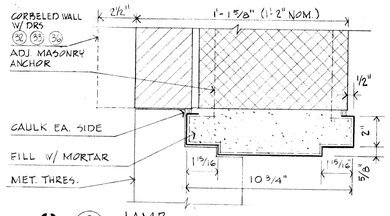
16 (16/10/10) HEAD
SCALE : 3" = 1'-0"



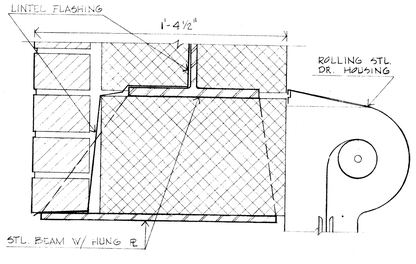
17 (17/10/10) SILL
SCALE : 3" = 1'-0"



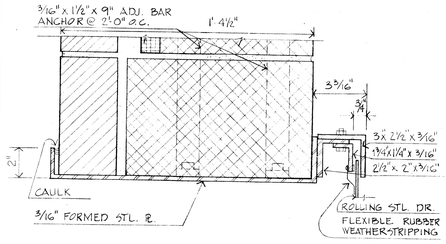
7 (7/10/10) HEAD
SCALE : 3" = 1'-0"



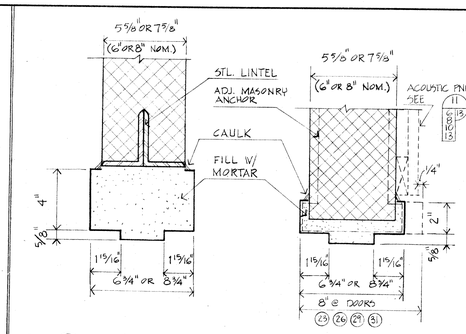
8 (8/10/10) JAMB
SCALE : 3" = 1'-0"



9 (9/10/10) HEAD
SCALE : 3" = 1'-0"

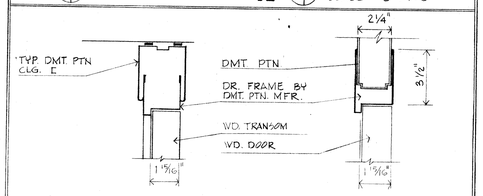


10 (10/10/10) JAMB
SCALE : 3" = 1'-0"



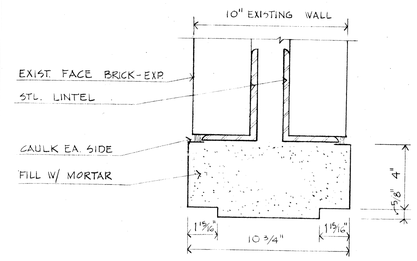
1 (1/10/10) HEAD
SCALE : 3" = 1'-0"

2 (2/10/10) JAMB
SCALE : 3" = 1'-0"

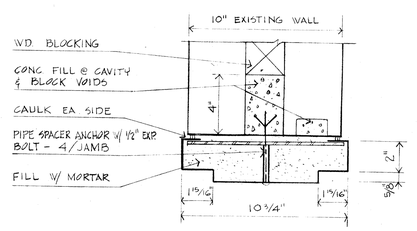


3 (3/10/10) HEAD
SCALE : 3" = 1'-0"

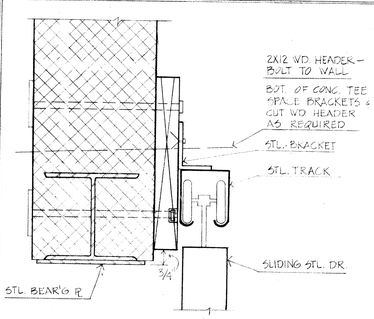
4 (4/10/10) JAMB
SCALE : 3" = 1'-0"



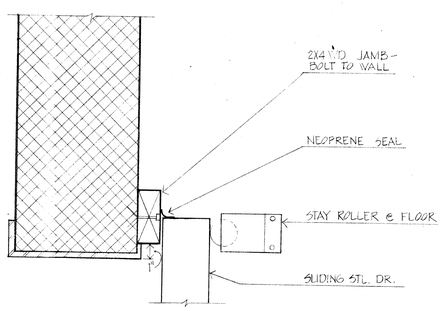
5 (5/10/10) HEAD
SCALE : 3" = 1'-0"



6 (6/10/10) JAMB
SCALE : 3" = 1'-0"

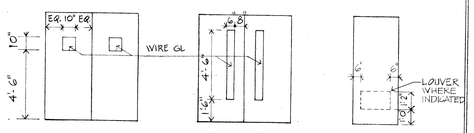


18 (18/10/10) HEAD
SCALE : 3" = 1'-0"

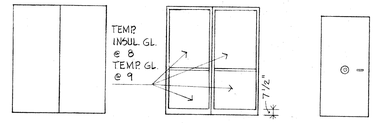


19 (19/10/10) JAMB
SCALE : 3" = 1'-0"

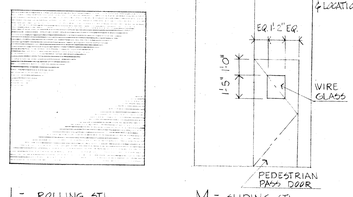
DOOR TYPES (NO SCALE)



A- H.M. B- EXT. H.M. C- WD. D- H.M. E- EXT. H.M.

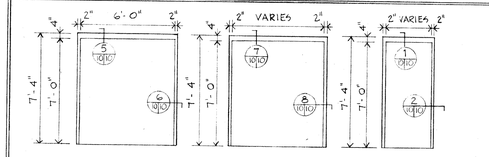


F- WD. G- H.M. H- EXT. H.M. J- ALUM. K- VAULT

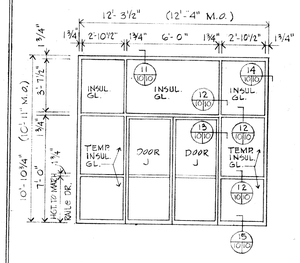


L- ROLLING STL. SERVICE DOOR M- SLIDING STL. SERVICE DOOR

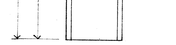
BUCK TYPES (SCALE : 1/4" = 1'-0")



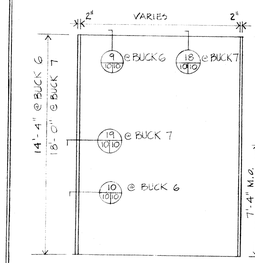
1 H.M. 2 EXT. H.M. 3 H.M.



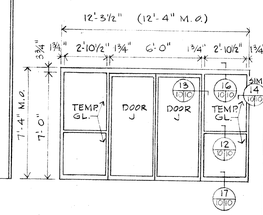
4- ALUM.



5 STEEL FRAME PROVIDED BY DMT. PTN. MANUFACTURER



6 - STEEL
7 - STEEL

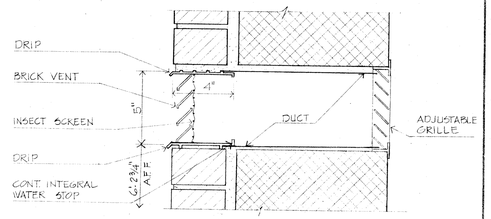


8 - ALUM.

REVISIONS				
SYMBOL	DESCRIPTION	PREPARED BY	DATE	APPROVED

DOOR SCHEDULE

DOOR NO	SIZE	DOOR TYPE	BUCK TYPE	HDW.	REMARKS
1	2- 3'-0" x 7'-0" x 1 3/4"	A	1	1	B-LABEL, 1 1/2 HR.
2	2- 3'-0" x 7'-0" x 1 3/4"	B	2	2	
3	2'-6" x 7'-0" x 1 3/4"	C	3	15	UNDERCUT
4	2'-8" x 7'-0" x 1 3/4"	C	3	16	UNDERCUT
5	2 - 3'-0" x 7'-0" x 1 3/4"	F	3	5	C-LABEL, 3/4" HR
6	3'-0" x 7'-0" x 1 3/4"	C	3	8	
7	3'-0" x 7'-0" x 1 3/4"	C	3	8	
8	2- 3'-0" x 7'-0" x 1 3/4"	J	4	AL1	
9	2- 3'-0" x 7'-0" x 1 3/4"	J	8	AL2	
10	3'-0" x 7'-0" x 1 3/4"	C	3	8	
11	3'-0" x 7'-0" x 1 3/4"	C	3	8	
12	3'-0" x 7'-0" x 1 3/4"	C	3	8	
13	3'-0" x 7'-0" x 1 3/4"	C	3	8	
14	3'-0" x 7'-0" x 1 3/4"	C	3	8	
15	3'-0" x 7'-0" x 1 3/4"	C	3	17	LOUVER
16	2'-0" x 7'-0" x 1 3/4"	C	3	16	LOUVER
17	3'-0" x 7'-0" x 1 3/4"	C	3	17	
18	3'-4" x 6'-6"	K	-	-	
19	3'-0" x 7'-0" x 1 3/4"	C	3	8	
20	3'-0" x 7'-0" x 1 3/4"	C	3	14	UNDERCUT
21	3'-0" x 7'-0" x 1 3/4"	C	3	10	C-LABEL, 3/4 HR
22	3'-0" x 7'-0" x 1 3/4"	C	3	9	C-LABEL, 3/4 HR.
23	2 - 3'-0" x 7'-0" x 1 3/4"	F	3	5	C-LABEL, 3/4 HR.
24	3'-0" x 7'-0" x 1 3/4"	C	3	9	C-LABEL, 3/4 HR.
25	3'-0" x 7'-0" x 1 3/4"	C	3	11	
26	2 - 3'-0" x 7'-0" x 1 3/4"	F	3	5	C-LABEL, 3/4 HR
27	3'-0" x 7'-0" x 1 3/4"	C	3	10	C-LABEL, 3/4 HR
28	3'-0" x 7'-0" x 1 3/4"	C	3	9	C-LABEL, 3/4 HR.
29	2 - 3'-0" x 7'-0" x 1 3/4"	F	3	5	C-LABEL, 3/4 HR.
30	3'-0" x 7'-0" x 1 3/4"	D	3	13	C-LABEL, 3/4 HR.
31	2 - 3'-0" x 7'-0" x 1 3/4"	F	3	5	C-LABEL, 3/4 HR.
32	2 - 3'-0" x 7'-0" x 1 3/4"	B	2	2	
33	2 - 3'-0" x 7'-0" x 1 3/4"	H	2	3	
34	10'-4" x 14'-4"	L	6	-	
35	12'-4 x 14'-4"	L	6	-	
36	3'-0" x 7'-0" x 1 3/4"	E	2	4	
37	2-4'-0" x 18'-0" x 3"	M	7	-	W/ 3'-0" x 7'-0" PEDESTRIAN PASS DR.
38	2-4'-0" x 18'-0" x 3"	M	7	-	W/ 3'-0" x 7'-0" PEDESTRIAN PASS DR.
39	2 - 3'-0" x 7'-0" x 1 3/4"	G	2	5	C-LABEL, 3/4 HR
40	2 - 3'-0" x 7'-0" x 1 3/4"	F	5	6	
41	3'-0" x 7'-0" x 1 3/4"	C	5	7	
42	3'-0" x 7'-0" x 1 3/4"	C	5	8	
43	3'-0" x 7'-0" x 1 3/4"	C	3	18	C-LABEL, 3/4 HR
44	3'-0" x 7'-0" x 1 3/4"	C	5	8	
45	3'-0" x 7'-0" x 1 3/4"	C	5	8	
46	3'-0" x 7'-0" x 1 3/4"	C	5	11	
47	3'-0" x 7'-0" x 1 3/4"	C	5	7	
48	3'-0" x 7'-0" x 1 3/4"	C	5	12	LT. SEAL & LT. PROOF LOUVER



20 (20/11/10) DETAIL - BRICK VENT (B)
SCALE : 3" = 1'-0"

5' 0 5
3" 0 3" 6" 9" 1'
1/4" = 1'-0"
3" = 1'-0"
CHECK GRAPHIC SCALE ACCURACY BEFORE USING

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WASHINGTON, D.C.

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

DES J.M. DR D.D. CHK K.L.
SUBMITTED BY DATE
DIA 403
DI 404
PROJ. ENGR. 405
402 408
402 410
APPROVED DATE
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

NAVAL AIR TEST CENTER PATUXENT RIVER, MD
CHESAPEAKE TEST RANGE BUILDING ADDITION
DOOR SCHEDULE & DETAILS
ARCHITECTURAL

SIZE	CODE IDENT NO.	NAVFAC DRAWING NO.
F	80091	3020962

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