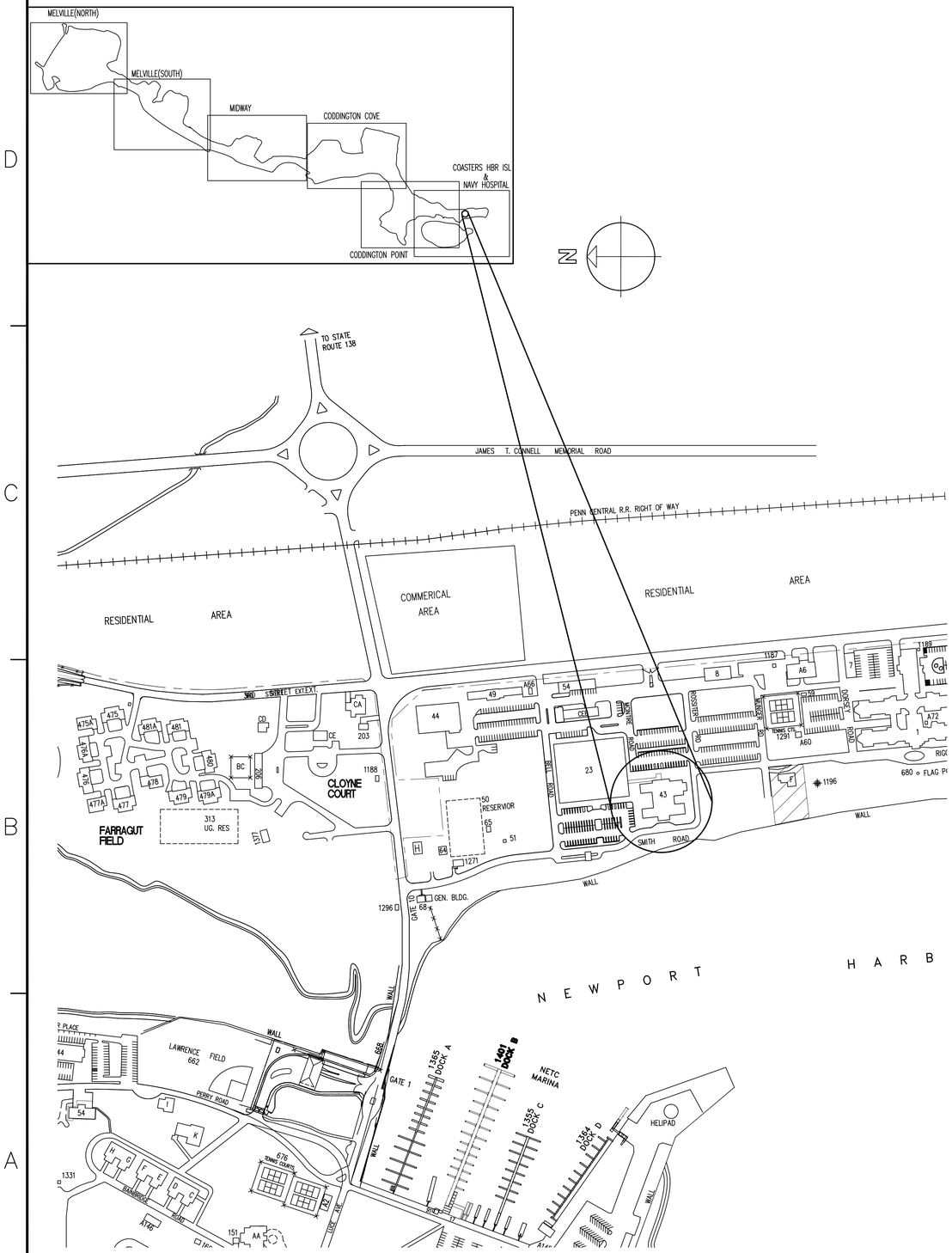

BUILDING 43 NH– EXTERIOR REPAIRS

NEWPORT, RHODE ISLAND

E PROJECT NO. 1360886

ARCHITECT: AMES & WHITAKER, ARCHITECTS

HAZARDOUS MATERIALS ENGINEER: ENVIROMED, INC.
BUILDING ENVELOPE CONSULTANT: GALE ASSOCIATES
LIGHTNING PROTECTION: NORTHEAST LIGHTNING

LIST OF DRAWINGS:

NAVFAC DWG.NO.	DWG.NO	SHEET	TITLE
12716898	G–001	1 OF 22	COVER SHEET
12716899	G–100	2 OF 22	GENERAL INFORMATION
12716900	G–101	3 OF 22	GENERAL INFORMATION
12716901	HM–100	4 OF 22	ELEVATIONS ABATEMENT
12716902	HM–101	5 OF 22	ELEVATIONS ABATEMENT
12716903	A–100	6 OF 22	ROOF AREA PLAN
12716904	A–101	7 OF 22	ROOF TAPERED INSULATION PLAN
12716905	A–200	8 OF 22	ELEVATIONS
12716906	A–201	9 OF 22	ELEVATIONS
12716907	A–202	10 OF 22	ELEVATIONS
12716908	A–203	11 OF 22	PHOTOS
12716909	A–204	12 OF 22	PHOTOS
12716910	A–500	13 OF 22	ROOF DETAILS
12716911	A–501	14 OF 22	ROOF DETAILS
12716912	A–502	15 OF 22	ROOF DETAILS
12716913	A–503	16 OF 22	ROOF DETAILS
12716914	A–504	17 OF 22	CANOPY DETAILS
12716915	A–505	18 OF 22	WINDOW DETAILS
12716916	A–506	19 OF 22	DETAILS
12716917	A–507	20 OF 22	DETAILS
12716918	A–508	21 OF 22	DETAILS
12716919	LP–100	22 OF 22	LIGHTNING PROTECTION PLAN AND DETAILS

SYM	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF CONNECTICUT — WHITAKER, ARCHITECT — No. 11 — REGISTERED PROFESSIONAL — CERTIFICATE OF ARCHITECTURE

SEAL

AMES & WHITAKER Architects
MEMBER OF THE AMERICAN INSTITUTE OF ARCHITECTS
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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
BID DOC SUBMISSION

SATISFACTORY TO DATE 03/22/16
DES XXX DRW XXX CHK XXX
<<PM/DM>> V. TOMA
BRANCH MANAGER
CHIEF ENG/ARCH
<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI
BUILDING 43 NAVY HOSPITAL EXTERIOR REPAIRS
COVER SHEET

SCALE: AS NOTED
EPROJECT NO.: 1360886
CONSTR. CONTR. NO.: N40085–14–D–2323
NAVFAC DRAWING NO.: 12716898
SHEET 1 OF 22
G-001

DRAWFORM REVISION: 10 MARCH 2009

ABBREVIATIONS

@	AT
A–	ARCHITECTURAL DRAWINGS
A/C	AIR CONDITION
A/C UNIT	AIR CONDITIONING UNIT
A/E	ARCHITECT / ENGINEER
AB	ANCHOR BOLT
AC BD	ACOUSTICAL BOARD
ACI	AMERICAN CONCRETE INSTITUTE
ACT	ACOUSTICAL CEILING TILE
ADDL	ADDITIONAL
ADJ	ADJACENT, ADJUSTABLE
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALTRN	ALTERATION
ALUM	ALUMINUM
ANOD	ANODIZE
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AWPA	AMERICAN WOOD PRESERVER ASSOCIATION
AWS	AMERICAN WELDING SOCIETY
B PL	BASE PLATE
BC	BOTTOM CHORD
BD	BOARD
BF	BOTTOM FACE / BOTH FACES
BFF	BELOW FINISH FLOOR
BITUM	BITUMINOUS
BLDG	BUILDING
BM	BEAM, BENDING MOMENT
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRKT	BRACKET
BSMT	BASEMENT
BT WLD	BUTT WELD
BTWN	BETWEEN
BW	BOTH WAYS
C	CHANNEL
C–	COVER & SITE DRAWINGS
C TO C	CENTER TO CENTER
C.I.P.	CAST–IN–PLACE
CANTIL	CANTILEVER
CB	CATCH BASIN
CD	CONSTRUCTION DOCUMENTS
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLG HT	CEILING HEIGHT
CLL	COLUMN LINE
CLR	CLEAR
CMPST	COMPOSITE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
COV PL	COVER PLATE
CPT	CARPET
CRN	CROWN
CRSI	CONCRETE REINFORCING INSTITUTE
CSI	CONSTRUCTION SPECIFICATION INSTITUTE
CSK	COUNTERSUNK
CT	CERAMIC TILE
CTR	CENTER
CU FT	CUBIC FOOT
CU IN	CUBIC INCH
CU YD	CUBIC YARD
CYP	CYPRESS
d	PENNY (NAIL)
D.L.	DEAD LOAD
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DFLCT	DEFLECTION
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DOUG FIR	DOUGLAS FIR
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
DWL	DOWEL
E	MODULUS OF ELASTICITY
E–	ELECTRICAL DRAWING
E.E.	EACH END
E.F.	EACH FACE
E.J.	EXPANSION JOINT
E.L.	EACH LAYER
E.W.	EACH WAY
E.W.A.	ENGINEERED WOOD ASSOCIATION
EA	EACH
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENGR	ENGINEER
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQL SP	EQUALLY SPACED
EQUIP	EQUIPMENT
E.S.	EACH SIDE
ETC	ET CETERA, AND SO FORTH
EXC	EXCAVATE
EXIST	EXISTING
EXST GR	EXISTING GRADE
EXP	EXPANSION, EXPOSED
EXP BT	EXPANSION BOLT
EXT	EXTERIOR
F.F.	FAR FACE
F.O.C.	FACE OF CONCRETE
F.S.	FAR SIDE
F/F	FACE TO FACE
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF EL	FINISH FLOOR ELEVATION
FGL	FIBERGLASS
FH	FIRE HYDRANT
FIN	FINISH
FIN FL	FINISH FLOOR
FIN GR	FINISH GRADE
FLR	FLOOR
FLUOR	FLUORESCENT
FN	FENCE
FP	FLAG POLE
FSTNR	FASTENER
FT	FOOT
FTG	FOOTING
GA	GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GDR	GUARD RAIL
GEN	GENERAL, GENERATOR
GR BM	GRADE BEAM
GSF	GROSS SQUARE FEET
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H.S.	HIGH STRENGTH
HAZ MAT	HAZARDOUS MATERIALS
HB	HOSE BIBB
HC	HANDICAP
HGR	HANGER
HM	HOLLOW METAL, HAZARDOUS MATERIAL DRAWINGS
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HP	HIGH PRESSURE (NOT HIGH POINT)
HPT	HIGH POINT
HT	HEIGHT
HYD	HYDRANT
I	MOMENT OF INERTIA
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
INFO	INFORMATION
INSUL	INSULATION
JAN	JANITOR
JT	JOINT
K	THOUSAND
KIP	THOUSAND POUND
KIP FT.	THOUSAND FOOT/POUND
KLF	KIPS PER LINEAR FOOT
KSF	KIPS PER SQUARE FOOT
L	ANGLE
L.L.	LIVE LOAD
L.W.C.	LIGHT WEIGHT CONCRETE
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LBS	POUNDS
LD BRG	LOAD BEARING
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LPT	LOW POINT
LT	LIGHT
LT WT	LIGHT WEIGHT
M	MOMENT
M–	MECHANICAL DRAWINGS
M.D.	METAL DECK
M.E.	MATCH EXISTING, MECHANICAL ENGINEER
M/E	MECHANICAL/ELECTRICAL
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MC	MANHOLE COVER
Mc	MOMENT CONNECTION
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM, MINUTES
ML	MONOLITHIC
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
N.F.	NEAR FACE
N.S.	NEAR SIDE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NSF	NET SQUARE FEET
NTS	NOT TO SCALE
O.F.	OUT SIDE FACE
O.W.S.J.	OPEN WEB STEEL JOIST
O/O	OUT TO OUT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
P–	PLUMBING DRAWINGS
PART	PARTIAL
PERP	PERPENDICULAR
PH–	PHASING DRAWINGS
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTIC
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PR	PAIR
PREFAB	PREFABRICATED
PREP	PREPARATION
PRKG	PARKING
PROJ	PROJECT
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PT	PAINT, PRESSURE TREATED
PTD	PAINTED
PTN	PARTITION
PWR	POWER
QTY	QUANTITY
R.H.	ROOF HATCH
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RDG INS	RIGID INSULATION
REBAR	REINFORCING STEEL BARS
REINF	REINFORCE
REQD	REQUIRED
RESIL	RESILIENT
RM	ROOM
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
RV	ROOF VENT
S–	STRUCTURAL DRAWINGS
S BM	STANDARD BEAM
S.E.	STRUCTURAL ENGINEER
S.J.	SLIP JOINT
SCHED	SCHEDULE
SD	STORM DRAIN / SHOP DRAWING F
SDI	STEEL DECK INSTITUTE
SDMH	STORM DRAIN MANHOLE
SECT	SECTION
SF	SQUARE FOOT
SHTG	SHEATHING
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SLNT	SEALANT
SLV	SLEEVE
SPEC	SPECIFICATION
SQ	SQUARE
SQ. IN.	SQUARE INCH
SS	STORM SEWER
SST	STAINLESS STEEL
STAG	STAGGERED
STIF	STIFFENER
STIR	STIRRUP
STOR	STORAGE
STRUCT	STRUCTURAL
SURV	SURVEY
SUSP CLG	SUSPENDED CEILING
SW	SIDEWALK
SYMM	SYMMETRICAL
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
T.S.	TUBE STEEL
TB	THROUGH BOLT
TEMP	TEMPORARY, TEMPERATURE
TER	TERRAZZO
TFF	TOP OF FINISH FLOOR
THD	THREAD
THK	THICKNESS
THRU	THROUGH
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE, TABLE OF CONTENTS
TOF	TOP OF FOUNDATION
TOPO	TOPOGRAPHY
TOS	TOP OF STEEL / TOP OF SLAB
TP	TELEPHONE POLE
TPD	TOILET PAPER DISPENSER
TRTD	TREATED
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UNEX	UNEXCAVATED
UNO	UNLESS NOTED OTHERWISE
UP	UTILITY POLE
VCT	VINYL COMPOSITION TILE
VENT	VENTILATION, VENTILATOR
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VRFY	VERIFY
VS	VENT STACK
VWC	VINYL WALL COVERING
W/	WITH
W/O	WITHOUT
WD	WOOD
WF	WIDE FLANGE
WF BM	WIDE FLANGE BEAM
WP	WEATHERPROOF, WORKING POINT
WR	WEATHER RESISTANT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
XBRA	CROSS BRACING
YD	YARD DRAIN
Z	MODULUS OF SECTION

SYMBOLS

EXISTING TO REMAIN

CENTER LINE

DEMOLITION LINE

HIDDEN LINE

PROPERTY LINE

CONTRACT LIMIT LINE

PLYWOOD

ORIENTED STRAND BOARD

PARTICLE BOARD

WOOD FINISH

STEEL

ALUMINUM

1 HOUR FIRE RATED LINE

2 HOUR FIRE RATED LINE

3 & 4 HOUR FIRE RATED LINE

FENCE

MATCH LINE / SEE #/SHEET — MATCH LINE INDICATOR

CONCRETE

CONCRETE MASONRY UNIT

BRICK

CRUSHED ROCK GRAVEL

UNDISTURBED EARTH

COMPACTED FILL

/ SHEET — INTERIOR ELEVATION

A / B / C / D — # / SHEET — INTERIOR ELEVATION MULTIPLE VIEWS

E — WINDOW TYPE

STRAIGHT BREAK MARK

CURVED BREAK MARK

ROOM:NAME / ROOM# — ROOM IDENTIFIER

— DOOR IDENTIFIER

— KEYNOTE INDICATOR

1 — WALL TYPE INDICATOR

1 PLAN TITLE / SCALE — TITLE MARK

/ SHEET — SECTION MARK

/ SHEET — DETAIL MARK

/ SHEET — SMALL CONDITIONS DETAIL MARK

N — NORTH ARROW

/ SHEET — EXTERIOR ELEVATION

GENERAL NOTES

1. DO NOT SCALE THESE DRAWINGS FOR BIDDING OR CONSTRUCTION PURPOSES.

2. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. NOTIFY THE CONTRACTING OFFICE (C.O.) OF ANY DISCREPANCIES. DO NOT PROCEED UNTIL CLARIFICATION IS PROVIDED.

3. VERIFY SIZE, LOCATIONS AND CHARACTERISTICS OF ALL EQUIPMENT TO BE FURNISHED WITH MANUFACTURERS AND SUPPLIERS BEFORE BEGINNING CONSTRUCTION.

4. ALL PLAN DIMENSIONS ARE TO FINISH FACE OF WALL/PARTITION AND CENTERLINE OF COLUMNS, UNLESS NOTED OTHERWISE.

5. THE CONTRACTOR MUST SUBMIT APPROPRIATE SAMPLES, SHOP DRAWINGS, CUTS AND SPECIFICATIONS ON ITEMS DEFINED IN THE SPECIFICATIONS.

6. THE FACILITY OPERATES UNDER STRICT SECURITY. DETAILS OF SPECIFIC SECURITY MEASURES ARE TO BE REVIEWED WITH THE C.O. PRIOR TO THE START OF CONSTRUCTION.

7. THE CONTRACTOR MUST ACCURATELY RECORD ALL CHANGES AND SHALL SUBMIT TO THE C.O. COMPLETE 'AS–BUILT' DRAWINGS UPON COMPLETION OF THE WORK.

8. ALL WORK MUST BE DONE WITH A MINIMUM OF INTERRUPTIONS IN SERVICES. ALL OUTAGES MUST BE COORDINATED WITH THE OWNER'S CONVENIENCE. THE OWNER MUST BE NOTIFIED FIFTEEN (15) DAYS IN ADVANCE OF ANY SUCH OUTAGES.

9. THE CONTRACTOR MUST EXERCISE EXTREME CAUTION TO PROTECT THE BUILDING FROM DUST, WATER, AND DEBRIS. DUST PARTITIONS AND FIREPROOF DROP CLOTHS MUST BE USED DURING ALL DUST PRODUCING OPERATIONS.

10. AT THE CLOSE OF EACH WORKING DAY, CONTRACTOR TO PROVIDE TEMPORARY FIRE STOPPING IN ALL OPENINGS CUT BETWEEN FLOORS AND THROUGH FIRE RATED PARTITIONS. MATERIALS USED SHOULD BE CLASS 'A' NON–COMBUSTIBLE WITH FIRE STOPPING CAPABILITIES EQUAL TO THAT OF THE ADJACENT CONSTRUCTION.

11. CLOSE AND WEATHERPROOF ANY EXISTING AREA EXPOSED TO THE WEATHER DURING CONSTRUCTION PRIOR TO LEAVING THE SITE EACH DAY.

12. ALL AREAS EXPOSED OR DISTURBED BY NEW CONSTRUCTION OR DEMOLITION TO BE PATCHED OR REPAIRED TO MATCH EXISTING CONDITIONS. PATCH PAINTING WITH TWO COATS TO NEAREST CUTOFF POINT.

13. CONTRACTOR MUST NOTIFY OWNER IMMEDIATELY UPON DISCOVERY OR SUSPICION OF HAZARDOUS MATERIAL.

SYM | DESCRIPTION | DATE | APPR

NAVFAC

STATE OF CONNECTICUT · AMES & WHITAKER, ARCHITECTS · SEAL

AMES & WHITAKER Architects

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

BID DOC SUBMISSION

SATISFACTORY TO | DATE 03/22/16

DES XXX | DRW XXX | CHK XXX

<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<XX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NORTHEAST IPT · NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT · NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

GENERAL INFORMATION

SCALE:	AS NOTED
EPROJECT NO.:	1360886
CONSTR. CONTR. NO.	N40085–14–D–2323
NAVFAC DRAWING NO.	12716899
SHEET	2 OF 22

G-100

DRAWFORM REVISION: 10 MARCH 2009

GENERAL NOTES

1. THE INFORMATION SHOWN ON THIS DRAWING HAS BEEN COMPILED FROM VARIOUS SOURCES, AND MAY NOT REFLECT THE ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION.
2. HATCH PATTERNS ARE FOR REPRESENTATION ONLY AND SHOULD NOT BE USED AS A MEANS FOR QUANTIFYING.
3. FOR THE SAKE OF CLARITY, EACH INDIVIDUAL DETAIL ON THE ROOF PLANS HAS NOT BEEN INDICATED. INSTALLATION DETAILS HAVE BEEN INDICATED FOR TYPICAL COMPONENTS AT RANDOM LOCATIONS. DETAILS NOT DEPICTED SHALL BE CONSTRUCTED IN A MANNER CONSISTENT WITH THE DETAIL DRAWINGS.
4. THE BUILDING SHALL REMAIN OCCUPIED DURING CONSTRUCTION. THE CONTRACTOR SHALL SCHEDULE AND EXECUTE WORK TO AVOID INTERRUPTIONS TO BUILDING OPERATIONS AND NOTIFY THE OWNER OF WORK LOCATIONS A MINIMUM OF 5 WORKING DAYS IN ADVANCE IN ORDER THAT OCCUPANCY BELOW THE WORK AREA MAY BE CONTROLLED.
5. THE CONTRACTOR IS CAUTIONED THAT DUE TO BUILDING OCCUPANCY, THE OWNER REQUIRES COMPLIANCE ON WORK HOURS, SCHEDULING, SET UP, CLEANUP, PARKING, SECURITY, ETC. REFER TO SPECIFICATIONS FOR THE OWNER'S REQUIREMENTS.
6. CONTRACTOR SET UP AND STORAGE AREA SHALL BE DESIGNATED, OR APPROVED BY, THE OWNER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INTERIOR PROTECTION INCLUDING SUSPENDED CEILINGS, FLOORS AND EQUIPMENT PRIOR TO DEMOLITION. ONCE REMOVAL IS COMPLETE FOR THE DAY, THE PROTECTIVE COVERING SHALL BE REMOVED AND THE INTERIOR AREAS CLEANED. SHOULD DEBRIS ACCUMULATE ON DROP CEILING TILES, IT SHALL BE CLEANED BY THE CONTRACTOR PRIOR TO DEMOBILIZATION, AND AT NO ADDITIONAL COST TO THE OWNER.
8. REMOVE AND DISPOSE OF EXISTING ROOF SYSTEMS AND ALL ASSOCIATED MATERIALS DOWN TO THE STRUCTURAL SUBSTRATES. THE CONTRACTOR SHALL REPORT DETERIORATED OR UNSUITABLE STRUCTURAL SUBSTRATES TO THE OWNER PRIOR TO PERFORMING ROOF INSTALLATION WORK.
9. ROOFING AND FLASHING SHALL BE 100% WEATHER TIGHT ON A DAILY BASIS. REMOVE ONLY AS MUCH ROOFING AS CAN BE MADE WEATHER TIGHT ON THE SAME DAY.

CODE INFORMATION

THIS PROJECT CONFORMS TO THE 2012 RHODE ISLAND STATE BUILDING CODE / IBC WITH R.I. AMENDMENTS. REPLACEMENT ROOF SYSTEMS SHALL HAVE A MINIMUM UL FIRE CLASSIFICATION OF CLASS A.

THE BUILDING APPEARS TO HAVE BEEN CONSTRUCTED DURING THE YEAR 1942.

- NAVAL STATION NEWPORT
- RISK EXPOSURE: III / IV
- BASIC WIND SPEED = 150 MPH
- WIND EXPOSURE "B"
- SNOW LOAD = 30 PSF
- CONSTRUCTION TYPE: IIB
- USE GROUP: B

ROOF WIND UPLIFT PRESSURES
- SIX FOOT CORNER AND PERIMETER ZONES. TYP. FOR ALL ROOFS
- FIELD: 62.1 PSF
- PERIMETER: 73.6 PSF
- CORNER 132.4 PSF

2012 INTERNATIONAL ENERGY CONSERVATION CODE / R.I.S.E.C.C. :
- CLIMATE ZONE 5
- CONTINUOUS INSULATION ABOVE DECK= R25ci (TABLE 402.2)
- WITHIN 1 INCH VERTICAL ALLOWED PER C402.2.1
- POLYISO ROOF INSULATION = R5.56/INCH PER NAVFAC
- R25/R5.56 PER INCH = 3.49"ci REQUIRED; 3.5" PROVIDED

SRC-1 RHODE ISLAND STATE REHABILITATION CODE
- 403.2.1 RE-ROOFING: COMPLIANT

2012 INTERNATIONAL PLUMBING CODE / R.I.S.P.C.

TEST CUT SUMMARY (REFER TO DRAWING A-100 FOR LOCATIONS)

ROOF TEST CUTS – PREFORMED 10/02/2012

TEST CUT #1 – ROOF AREA C
CONCRETE DECK
±1/4" PITCH ON DECK FROM PREVIOUS ROOF
±2.75" POLYISOCYANURATE INSULATION–NOT ADHERED
±1/2" WOOD FIBERBOARD COVER BOARD
EPDM MEMBRANE ADHERED

TEST CUT #2 – ROOF AREA B
CONCRETE DECK
±1/4" PITCH ON DECK FROM PREVIOUS ROOF
±2.75" POLYISOCYANURATE INSULATION–NOT ADHERED
±1/2" WOOD FIBERBOARD COVER BOARD
EPDM MEMBRANE ADHERED

TEST CUT #3 – ROOF AREA A
CONCRETE DECK
±1/4" PITCH ON DECK FROM PREVIOUS ROOF
±2.75" POLYISOCYANURATE INSULATION W/ PAPER FACER, NOT ADHERED
±1/2" WOOD FIBERBOARD COVER BOARD
EPDM MEMBRANE ADHERED

TEST CUT #4 – ROOF AREA D
CONCRETE DECK
1/8"–1/4" WOOD FIBER BOARD BETWEEN LAYERS OF PITCH
±2.75" POLYISOCYANURATE INSULATION W/ PAPER FACER, NOT ADHERED
±1/2" WOOD FIBERBOARD COVER BOARD
EPDM MEMBRANE ADHERED
DECAYED FASTENERS

TEST CUT #5 – ROOF AREA C
CONCRETE DECK
±1/4" PITCH ON DECK FROM PREVIOUS ROOF
±2.75" POLYISOCYANURATE INSULATION W/ PAPER FACER, NOT ADHERED
±1/2" WOOD FIBERBOARD COVER BOARD – DECAYED
EPDM MEMBRANE ADHERED NOT WELL
DECAYED FASTENERS

ROOF TEST CUTS – PREFORMED 11/13/2014

TEST CUT #2/2A (6/6A ON PLAN)– ROOF AREA F
CONCRETE PLANK DECK
(2) L FELT EMBEDDED IN PITCH – AVB
±2.5" POLYISOCYANURATE INSULATION W/ PAPER FACER, MECH. ATTACHED
±1/2" WOOD FIBERBOARD COVER BOARD
EPDM MEMBRANE ADHERED, PATCHED AT DECAYED FASTENERS

TEST CUT #3 (7 ON PLAN) – ROOF AREA E
CONCRETE DECK
±1/4" PITCH ON DECK FROM PREVIOUS ROOF
±2.75" POLYISOCYANURATE INSULATION W/ PAPER FACER, NOT ADHERED
±1/2" WOOD FIBERBOARD COVER BOARD
EPDM MEMBRANE ADHERED

TEST CUT #4 (8 ON PLAN) – ROOF AREA C EDGE
CONCRETE DECK
±1/4" PITCH ON DECK FROM PREVIOUS ROOF
±(2) x 1/2" POLYISOCYANURATE INSULATION W/ PAPER FACE ON SLOPED CINDER
±1/2" WOOD FIBERBOARD COVER BOARD
SOME WOOD BLOCKING DETERIORATED

TEST CUT #5A (9 ON PLAN) – ROOF AREA A
CONCRETE DECK
±1/4" PITCH ON DECK FROM PREVIOUS ROOF
±2.5" POLYISOCYANURATE INSULATION W/ PAPER FACER, NOT ADHERED
±1/2" WOOD FIBERBOARD COVER BOARD
EPDM MEMBRANE ADHERED

TEST CUT #6 (10 ON PLAN) – ROOF AREA A
CONCRETE DECK
±1/4" PITCH ON DECK FROM PREVIOUS ROOF
±2.5" POLYISOCYANURATE INSULATION W/ PAPER FACER, NOT ADHERED
±1/2" WOOD FIBERBOARD COVER BOARD
EPDM MEMBRANE ADHERED

TEST CUT #8 (11 ON PLAN) – ROOF AREA A EDGE
CONCRETE DECK
±1/4" PITCH ON DECK FROM PREVIOUS ROOF
±1" POLYISOCYANURATE INSULATION W/ PAPER FACE ON SLOPED CINDER
±1/2" WOOD FIBERBOARD COVER BOARD
EPDM MEMBRANE ADHERED
WOOD BLOCKING IN FLOOD COAT OF BITUM.

TEST CUT #9 (12 ON PLAN) – ROOF AREA A
CONCRETE DECK
±1/4" PITCH ON DECK FROM PREVIOUS ROOF
±2.5" POLYISOCYANURATE INSULATION W/ PAPER FACER, NOT ADHERED
±1/2" WOOD FIBERBOARD COVER BOARD
EPDM MEMBRANE ADHERED

TEST CUT NOTE:
DIMENSIONS ARE APPROXIMATE AND MAY VARY THROUGHOUT THE ROOF AREA. DIMENSIONS PROVIDED ARE REPRESENTATIVE AT TEST CUT LOCATIONS ONLY AND MAY NOT REFLECT SYSTEM THICKNESS AT OTHER LOCATIONS. CONTRACTOR TO REMOVE ALL INSULATIONS AND EXISTING ROOF SYSTEMS ENCOUNTERED DOWN TO STRUCTURAL ROOF DECK ELEVATIONS.

LEGEND, SYMBOLS, AND ABBREVIATIONS

MATERIALS

WALKWAY PADS

LINE TYPES

ROOF EDGE/PARAPET
OVERHANG
CONDUIT/LIGHTNING PROTECTION CABLE
PROPOSED NEW TWF AT RISING WALLS

SYMBOLS

OVERFLOW SCUPPER
SCUPPER WITH DOWNSPOUTS
VP # — VENT PIPE; # INDICATES DIAMETER
— FLUE (HOT PIPE)
— ROOF DRAIN; # INDICATES DIAMETER
A — WALL MOUNTED ANTENNA
E — EXISTING ELECTRICAL JUNCTION BOX AND CONDUIT
— TEST CUT LOCATION
V # — VENT; # INDICATES APPROX. DIA.
J — J-VENT; #x# INDICATES APPROX. SIZE
F — FAN
H — ACCESS HATCH
RTU #x# — ROOF TOP MECH. EQPT. ON CURB; #x# INDICATES SIZE
(A) #x# — REMOVE ABANDONED ROOF CURB; #x# INDICATES APPROX. SIZE. INFILL DECK PER NEW TYP. INFILL DETAIL.
BENCH MARK
LIGHT FIXTURE
LIGHTNING ROD–AIR TERMINAL
LIGHTNING ROD CONDUCTOR
POURABLE SEALER POCKET
ROOF DRAIN
— ROOF DRAIN WITH SUMP
DECK SLOPE
ACCESS HATCH REMOVED AND INFILLED
DECK INFILLED

SYMBOLS (CONT.)

ELEV.=_'-_"± — ROOF DECK ELEVATION RELATIVE TO AVERAGE GRADE WHICH IS ASSUMED TO BE ZERO FEET
/ #### — DETAIL INDICATOR
— SHEET NOTE

ABBREVIATIONS

A.F.F.	=	ABOVE FINISHED FLOOR
AHU	=	AIR HANDLING UNIT
APPROX.	=	APPROXIMATE
BF	=	BOARD FEET
CMU	=	CONCRETE MASONRY UNIT
CONT.	=	CONTINUOUS
CWF	=	CEMENTITIOUS WOOD FIBER
DIA.	=	DIAMETER
DIM.	=	DIMENSION
DS	=	DOWNSPOUT
EA.	=	EACH
EFF	=	EFFECTIVE
ELEV.	=	ELEVATION
EMBED	=	EMBEDMENT
EOS	=	EDGE OF SLAB
EQ.	=	EQUAL
EX.	=	EXISTING
GA.	=	GAUGE
GSBUR	=	GRAVEL-SURFACED BUILT-UP ROOF
GYP.	=	GYPSUM
HORIZ.	=	HORIZONTAL
HT	=	HIEGHT
I.D.	=	INSIDE DIAMETER
INSUL.	=	INSULATION
ISO	=	POLYISOCYANURATE
LF	=	LINEAR FEET
M/A	=	MECHANICALLY ATTACHED
MAX.	=	MAXIMUM
MIN.	=	MINIMUM
M.O.	=	MASONRY OPENING
MOD. BIT.	=	MODIFIED BITUMINOUS
N.I.C.	=	NOT IN CONTRACT
NTS	=	NOT TO SCALE
O.C.	=	ON CENTER
O.D.	=	OUTSIDE DIAMETER
OH	=	OPPOSITE HAND
OSB	=	ORIENTED STRAND BOARD
PL	=	PLATE
P.T.	=	PRESSURE TREATED
PTD.	=	PAINTED
R.O.	=	ROUGH OPENING
RTU	=	ROOF TOP (MECHANICAL) UNIT
SBS	=	STYRENE BUTADIENE STYRENE
SDST	=	SELF-DRILLING SELF-TAPPING
SF	=	SQUARE FEET
SIM.	=	SIMILAR
SSTL	=	STAINLESS STEEL
TES	=	TAPERED EDGE STRIP
TWF	=	THROUGH WALL FLASHING
TYP.	=	TYPICAL

SYM	DESCRIPTION	DATE	APPR

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CHIEF ENG/ARCH
<<DD>>

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NORTHEAST BPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT NEWPORT, RI
BUILDING 43 NAVY HOSPITAL EXTERIOR REPAIRS
GENERAL INFORMATION

SCALE: AS NOTED
EPROJECT NO.: 1360886
CONSTR. CONTR. NO. N40085-14-D-2323
NAVFAC DRAWING NO. 12716900
SHEET 3 OF 22
G-101

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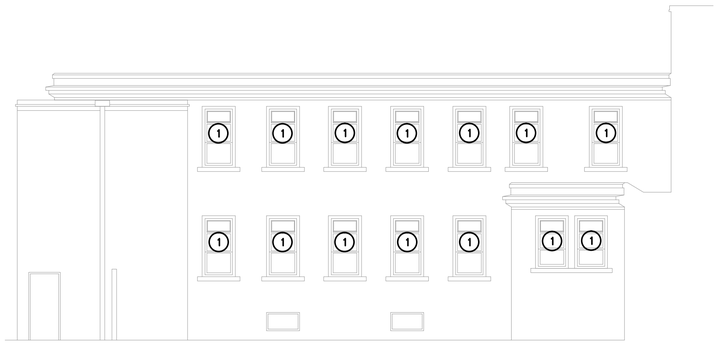
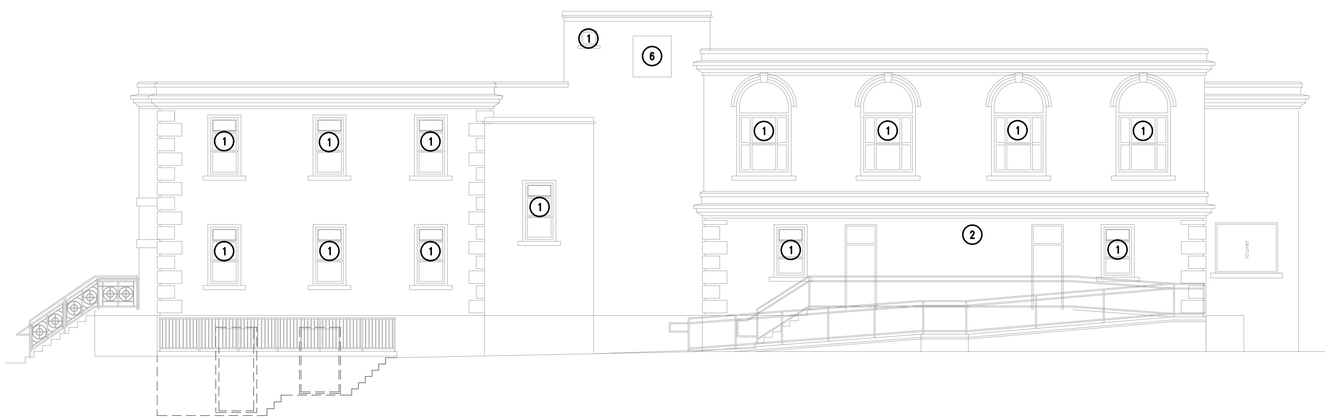
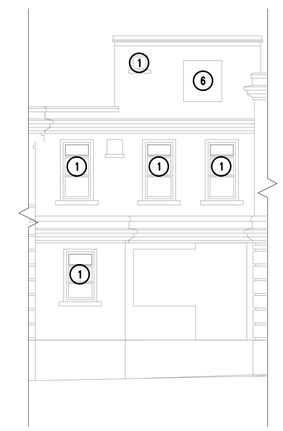


4 EAST ELEVATION – COURTYARD

5 WEST ELEVATION – COURTYARD



2 SOUTH ELEVATION



3 SOUTH ELEVATION – COURTYARD

1 WEST ELEVATION

ABATEMENT NOTES

1	REMOVE EXISTING EXTERIOR CAULKING FROM PERIMETER OF WINDOW FRAME AND FROM LINTEL. DISPOSE OF CAULK AS COMBINATION ASBESTOS AND LEAD WASTE. 2 LAYERS OF CAULK ARE PRESENT WITH BROWN CAULK OVER RESIDUAL GRAY ASBESTOS-CONTAINING CAULK. THE ADJACENT LINTEL AND WOOD WINDOW FRAMING BEHIND THE METAL WINDOW CASING ARE PAINTED WITH LEAD-BASED PAINT. REMOVE LINTEL, PAINTED WITH LEAD-BASED PAINT, AND DISPOSE OF LINTEL AS SCRAP METAL.
2	REMOVE RESIDUAL ASBESTOS-CONTAINING GRAY ROOFING CEMENT FROM BRICK WALL. ENTRY STRUCTURE WAS FORMERLY LOCATED AT THIS LOCATION.
3	REMOVE RESIDUAL ASBESTOS-CONTAINING GRAY FLASHING CEMENT FROM BRICK WALL ABOVE ROOF COUNTERFLASHING.
4	REMOVE LEAD-BASED PAINT FROM ENTIRE AWNING STRUCTURE AND FLASHING. DISPOSE OF PAINT AS LEAD WASTE.
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6	REMOVE EXISTING EXTERIOR CAULKING FROM PERIMETER OF LOUVER AND FROM LINTEL. DISPOSE OF CAULK AS COMBINATION ASBESTOS AND LEAD WASTE. 2 LAYERS OF CAULK ARE PRESENT WITH BROWN CAULK OVER RESIDUAL GRAY ASBESTOS-CONTAINING CAULK. THE LINTEL IS PAINTED WITH LEAD-BASED PAINT. REMOVE LINTEL, PAINTED WITH LEAD-BASED PAINT, AND DISPOSE OF LINTEL AS SCRAP METAL.

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BRANCH MANAGER

CHIEF ENG/ARCH

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NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL EXTERIOR REPAIRS

ELEVATIONS ABATEMENT

SCALE: AS NOTED

EPROJECT NO.: 1360886

CONSTR. CONTR. NO.: N40085-14-D-2323

NAVFAC DRAWING NO.: 12716901

SHEET 4 OF 22

HM-100

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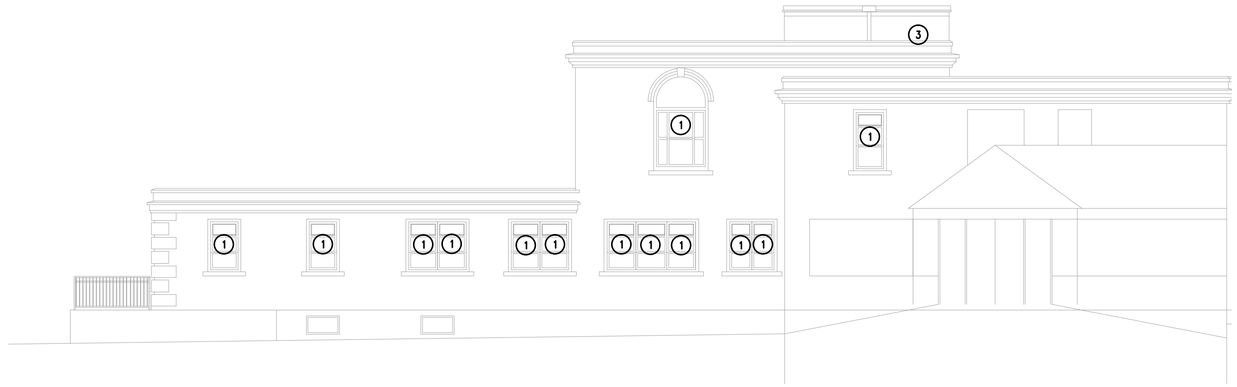
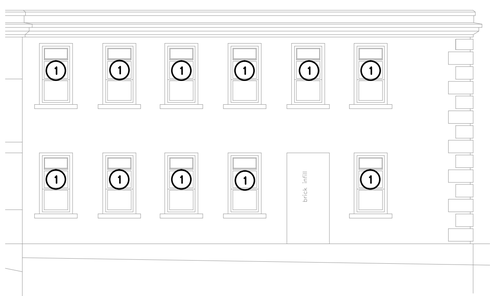


5 EAST ELEVATION



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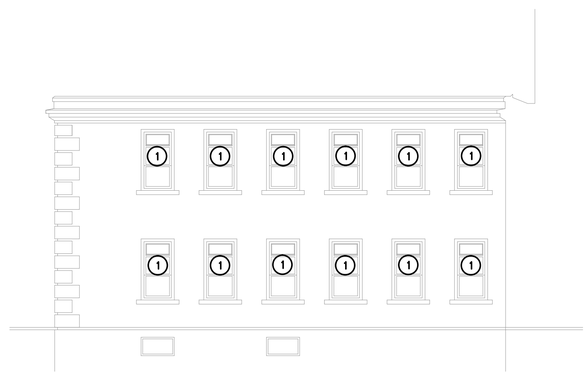
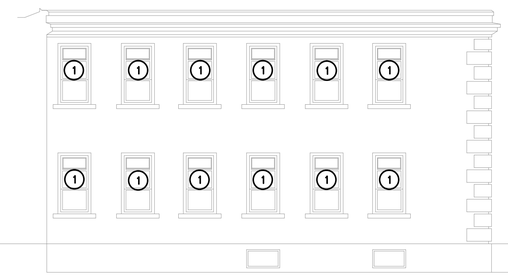
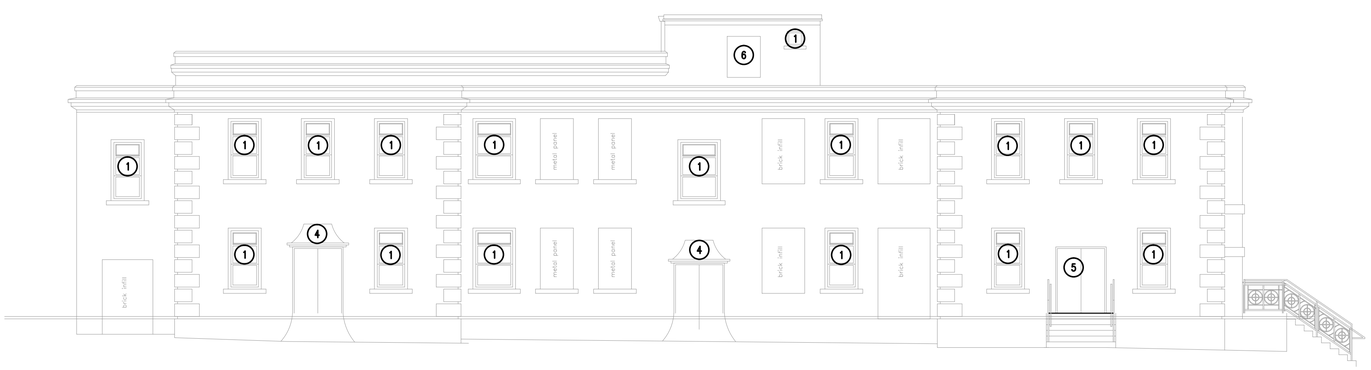


3 WEST ELEVATION – NORTH COURTYARD



4 EAST ELEVATION – NORTH COURTYARD



1 NORTH ELEVATION

ABATEMENT NOTES

1	REMOVE EXISTING EXTERIOR CAULKING FROM PERIMETER OF WINDOW FRAME AND FROM LINTEL. DISPOSE OF CAULK AS COMBINATION ASBESTOS AND LEAD WASTE. 2 LAYERS OF CAULK ARE PRESENT WITH BROWN CAULK OVER RESIDUAL GRAY ASBESTOS–CONTAINING CAULK. THE ADJACENT LINTEL AND WOOD WINDOW FRAMING BEHIND THE METAL WINDOW CASING ARE PAINTED WITH LEAD–BASED PAINT. REMOVE LINTEL, PAINTED WITH LEAD–BASED PAINT, AND DISPOSE OF LINTEL AS SCRAP METAL.
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NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

ELEVATIONS ABATEMENT

SCALE: AS NOTED

EPROJECT NO.: 1360886

CONSTR. CONTR. NO. N40085–14–D–2323

NAVFAC DRAWING NO. 12716902

SHEET 5 OF 22

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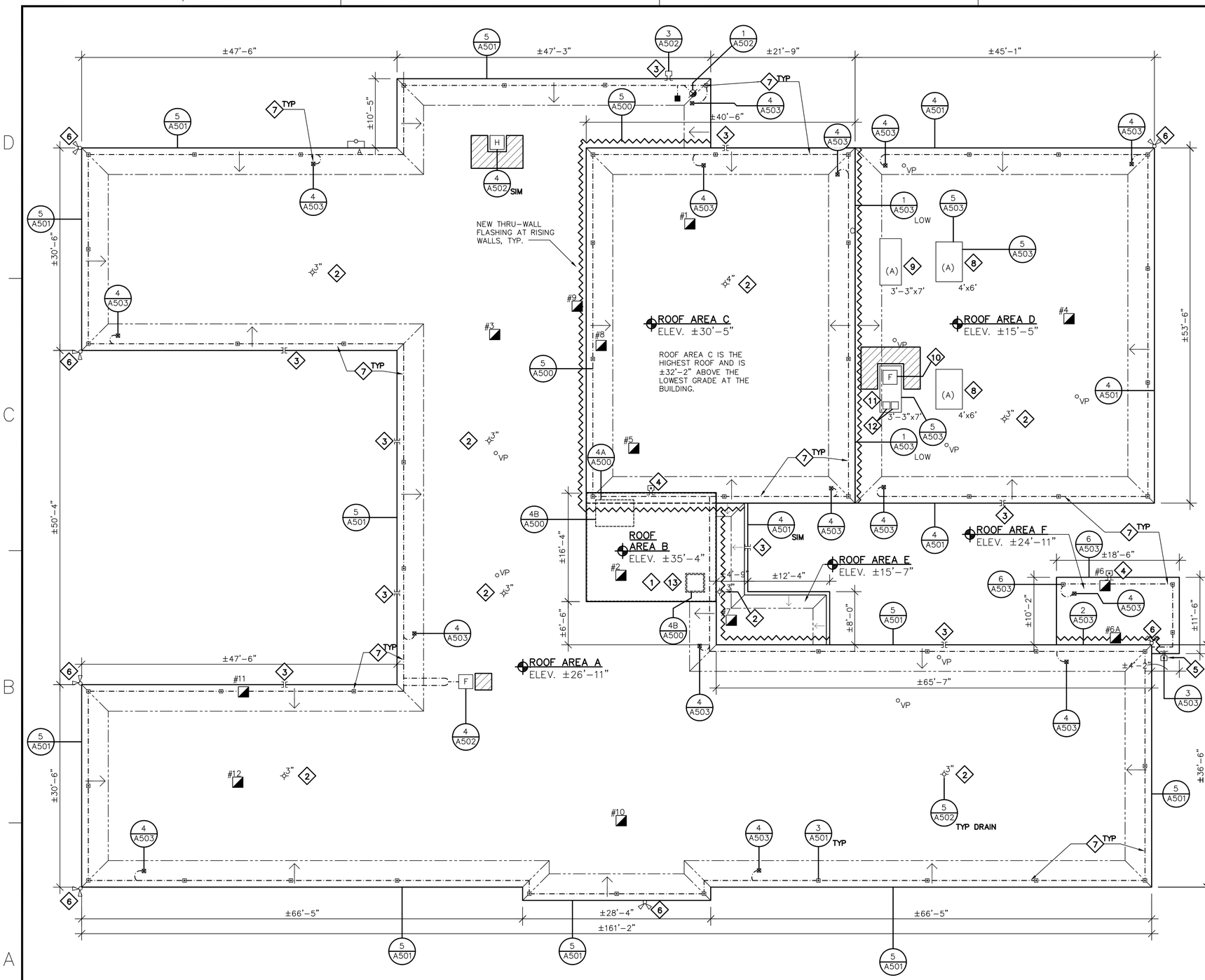

1 ROOF AREA PLAN
SCALE = 1/8" = 1'-0"

ALLOWANCE OF CONCRETE DECK REPAIR QUANTITIES	
SHALLOW CONCRETE DECK REPAIR	– 50.0 SF
DEEP CONCRETE DECK REPAIR	– 42.5 SF

REFER TO DRAWING 1/A101 FOR TAPERED INSULATION LAYOUTS

PLAN NORTH

SHEET NOTES

1. ROOF AREA B TO BE REMOVED , ALONG WITH PENTHOUSE STRUCTURE. COORDINATE WITH ARCHITECTURAL SCOPE. REMOVE LIGHTNING PROTECTION THIS AREA.
2. REMOVE ALL EXISTING ROOF DRAINS AND INSTALL NEW ROOF DRAINS SIZED TO THE DRAIN PIPE SIZE ACCORDINGLY, AS NOTED ON THE PLAN.
3. PROVIDE NEW ROOF EDGE OVERFLOW SCUPPER PER DETAIL 3/A5.02.
4. REMOVE SCUPPER AND DOWNSPOUT.
5. NEW OVERFLOW SCUPPER AND DOWNSPOUT
6. REMOVE EXISTING WALL MOUNTED LIGHT FIXTURE. REMOVE ELECTRICAL BACK TO NEAREST JUNCTION BOX AND ELIMINATE POWER. RESTORE BRICK AT EXTERIOR WALL.
7. REMOVE LIGHTNING PROTECTION EQUIPMENT, FASTENERS, CONDUIT REFER TO DRAWING LP-100 FOR NEW LIGHTNING PROTECTION SYSTEMS.
8. REMOVE WOOD CURB DOWN TO CONCRETE DECK. REPAIR AND INFILL OPENING PER DETAILS 4A & 4B/A500.
9. REMOVE CONCRETE CURB DOWN TO CONC. DECK. REPAIR AND INFILL OPENING PER DETAILS 4A & 4B/A500.
10. DISCONNECT & REMOVE FAN FROM EXISTING CURB. RAISE CURB PER DETAIL 4/A5.02 TO ACCOMMODATE DEEPER INSULATION. REINSTALL FAN TO BE FULLY OPERATIONAL. COORDINATE WITH OWNER'S PROGRAMMATIC REQUIREMENTS.
11. REMOVE SHEET METAL CURB COVER. AFTER CURBS ARE RAISED FOR DEEPER INSULATION, REINSTALL COVER. COORDINATE WITH FAN AND DUCTS. PROVIDE 2 INCHES RIGID INSULATION BELOW THE SHEET METAL COVER.
12. REMOVE GOOSE NECK DUCTS ABOVE DECK. PROVIDE NEW SHEET METAL DUCT SECTIONS TO ACCOMMODATE RAISED CURB AND COVER; REINSTALL REMOVED DUCT SECTIONS. PROVIDE LIQUID FLASHING ON DUCT BASES ABOVE THE CURB LINE PER DETAIL 2/A5.02.
13. REMOVE ACCESS HATCH FROM EXISTING CURB. RAISE CURB PER DETAIL 4/A5.02 TO ACCOMMODATE DEEPER INSULATION. REINSTALL HATCH TO BE FULLY OPERATIONAL.

ROOFING NOTES

- [ ] THE PROJECT GENERALLY ENCOMPASSES COMPLETE REMOVAL AND REPLACEMENT OF ALL ROOFING SYSTEMS. REMOVE ALL ROOFING PRODUCTS DOWN TO THE EXISTING CONCRETE DECK AND PREPARE FOR CONCRETE DECK REPAIRS. BASED ON TEST CUT DATA, IT IS ANTICIPATED THE ROOF DECKS ARE COATED WITH PITCH. ALL PITCH SHALL BE REMOVED DOWN TO BARE CONCRETE TO SUPPORT INSTALLATION OF THE VAPOR RETARDER PRIMER. CONFIRM COMPATIBILITY OF PRIMER AND ANY RESIDUAL MATERIAL LEFT ON THE DECK.
- [ ] ROOFING AND FLASHING SHALL BE 100% WEATHER TIGHT ON A DAILY BASIS. REMOVE ONLY AS MUCH ROOFING AS CAN BE MADE WEATHER TIGHT ON THE SAME DAY. NO PHASED CONSTRUCTION IS ALLOWED.
- [ ] DISCONNECT, REMOVE, RAISE, REINSTALL AND RECONNECT EXISTING ROOFTOP EQUIPMENT AND ASSOCIATED MECHANICAL/ELECTRICAL PENETRATIONS TO PROVIDE MINIMUM SPECIFIED FLASHING HEIGHTS.
- [ ] CONTRACTOR TO VERIFY WITH BUILDING OWNER THE STATUS OF ALL HVAC, MECHANICAL UNITS, AND RELATED ROOFTOP PENETRATIONS. ALL ABANDONED ROOFTOP EQUIPMENT, STACKS, WOOD SLEEPERS, ETC., SHALL BE REMOVED AND LEGALLY DISPOSED OF. ALL ABANDONED CURBS SHALL BE REMOVED – EXISTING ROOF DECK SHALL BE PATCHED AND REPAIRED AND PREPARED TO RECEIVE NEW ROOFING SYSTEM.
- [ ] FURNISH AND INSTALL NEW REPLACEMENT ROOF DRAINS ON ALL EXISTING ROOF DRAIN PIPING – TYPICAL.
- [ ] WIRE BRUSH CLEAN AND MAKE FREE OF ALL RUST AND CONTAMINANTS ALL EXPOSED STEEL, STEEL SUPPORTS, VENT PIPES, GAS PIPES AND RELATED PIPE FITTINGS. PRIME SURFACES AND APPLY CONTINUOUS ZINC RICH RUST PROOF COATING TO STEEL.
- [ ] ALL FLASHINGS AND COPINGS EXPOSED TO VIEW, INCLUDING THE NEW COPING AND FASCIA SYSTEM SHALL BE ZINC COATED (TO MATCH EXISTING L.C.C.) AND SHALL MEET ALL WALL CONDITIONS AS INDICATED AND ENCOUNTERED – TYPICAL. ALL ROOF FLASHINGS AND COPINGS ARE TO BE REMOVED AND REPLACED.
- [ ] COAL TAR PITCH ON ROOF DECKS SHALL BE REMOVED. REFER TO DETAIL 2/A501

SYM	DESCRIPTION	DATE	APPR

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BRANCH MANAGER

CHIEF ENG/ARCH

<<XXX>>

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NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL EXTERIOR REPAIRS

ROOF AREA PLAN

SCALE: AS NOTED

EPROJECT NO.: 1380886

CONSTR. CONTR. NO. N40085-14-D-2323

NAVFAC DRAWING NO. 12716903

SHEET 6 OF 22

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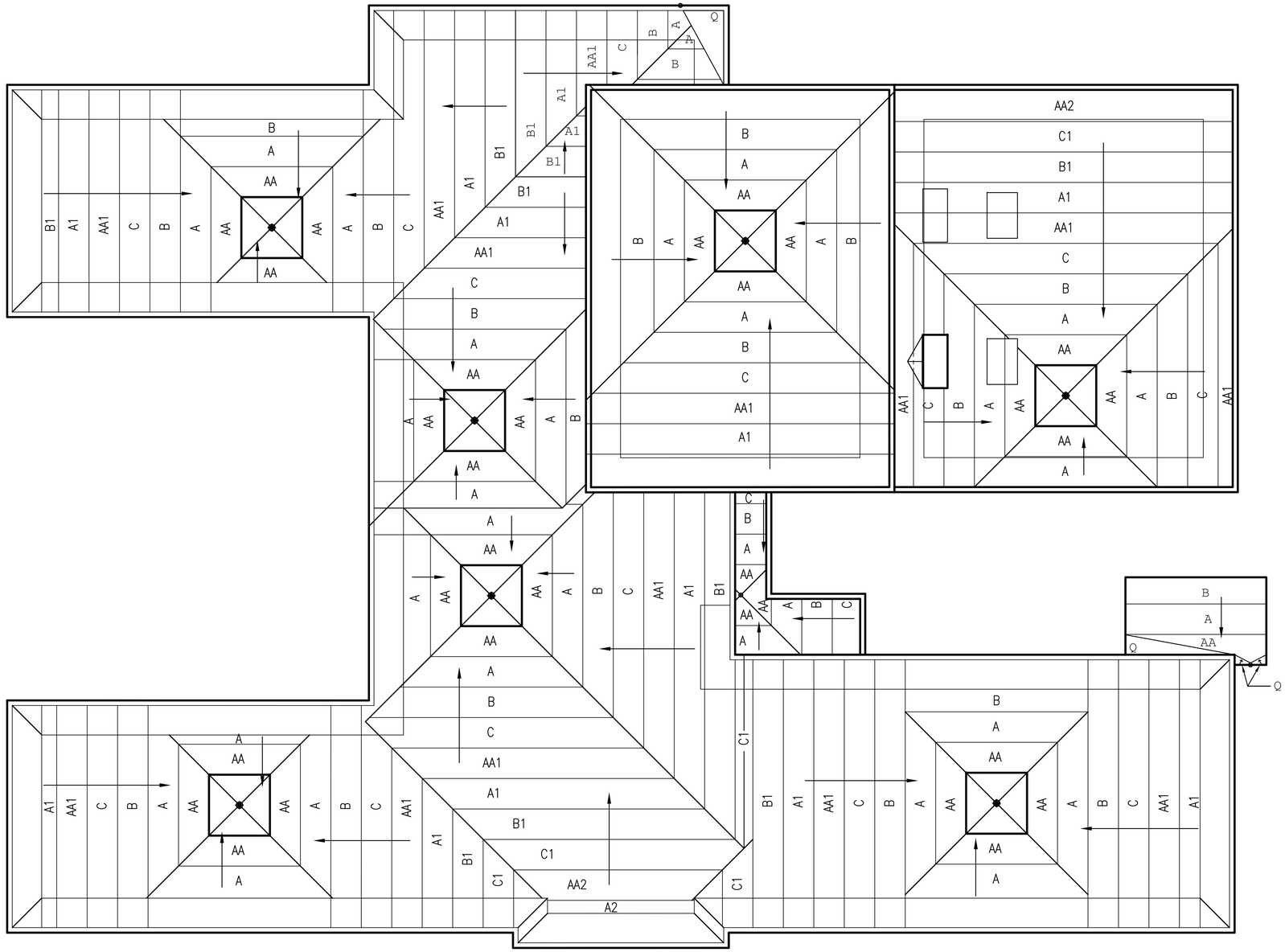
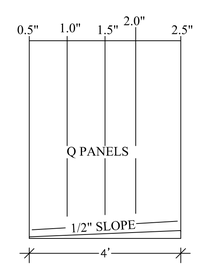
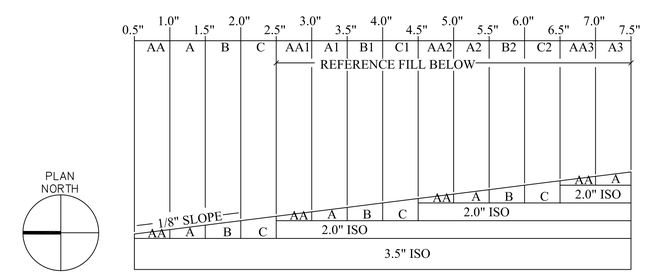


1 ROOF TAPERED INSULATION PLAN
SCALE = 1/8" = 1'-0"

THIS PLAN SHOWS A DIAGRAMMATIC LAYOUT OF $\frac{1}{8}$" PER FOOT TAPERED INSULATION THAT CAN BE EXPECTED FOR AN ADEQUATE INSTALLATION. ACTUAL MANUFACTURER'S LAYOUT REQUIREMENTS MAY VARY. PROVIDE COMPLETE SHOP DRAWING LAYOUTS DURING CONSTRUCTION FOR APPROVAL.





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CHIEF ENG/ARCH

<<XO>>

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NORTHEAST IPT
NAVAL STATION NEWPORT

NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA

NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

ROOF TAPERED INSULATION PLAN

SCALE: AS NOTED

EPROJECT NO.: 1360886

CONSTR. CONTR. NO.
N40085-14-D-2323

NAVFAC DRAWING NO.
12716904

SHEET 7 OF 22

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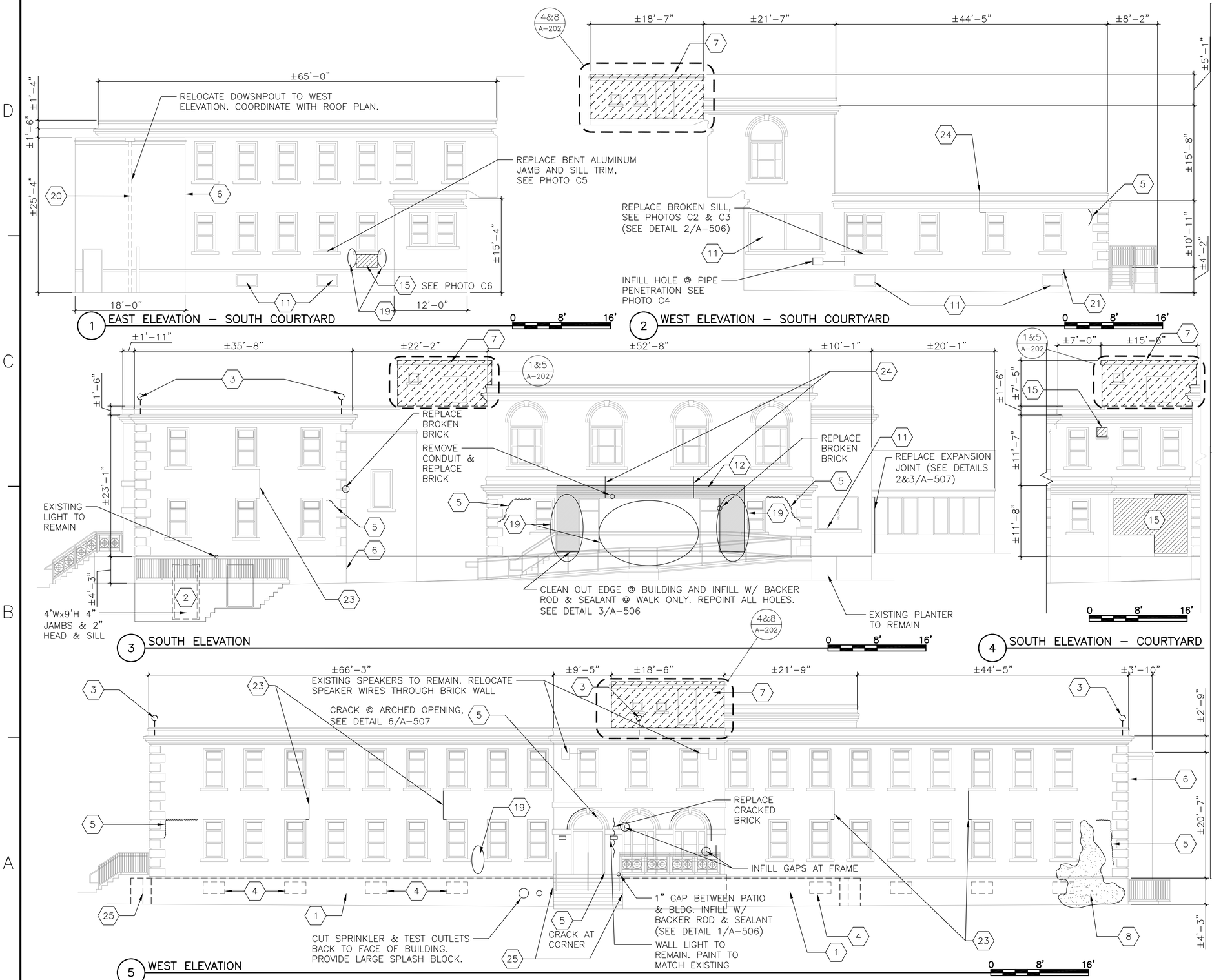


WORK NOTES:

1. REMOVE CONCRETE PLANTER. PATCH FOUNDATION WALL AS NEEDED.
2. REMOVE DOOR & FRAME. INFILL WITH CMU & PARGE FOUNDATION WALL TO MATCH EXIST.
3. REMOVE ABANDONED LIGHTS, REPLACE DAMAGED BRICK
4. REMOVE BLACK SELF ADHERED WATERPROOF MEMBRANE
5. REPLACE CRACKED BRICK, REPOINT VERTICAL JOINT CRACKS
6. REPLACE EXPANSION JOINT, SEE DETAIL 1/A-507
7. REMOVE PENTHOUSE
8. REMOVE PLANTS & VEGETATION. SEE PHOTOS W1, N6, N7, N8
11. PROVIDE SEALANT AT LOUVERS. SCRAPE, PREP AND PAINT LOUVERS
12. REMOVE PAINT, SEALANT, ASPHALT AND EXCESS MORTAR FROM BRICK. REPAIR HOLES WITH BRICK TO MATCH.
15. REMOVE EXISTING BRICK PATCH AND PROVIDE NEW WITH MATCHING BRICK
19. REMOVE BOLTS, BRACKETS AND INFILL HOLES AND OTHER MISC HOLES
20. REMOVE DOWNSPOUT
21. REPAIR CONCRETE FOUNDATION CRACK
23. PROVIDE EXPANSION JOINT FROM CAST STONE SILL TO LINTEL BELOW. SEE DETAIL 3/A-508
24. PROVIDE EXPANSION JOINT FROM END OF LINTEL UP THROUGH CAST STONE CORNICE AND PARAPET. SIMILAR TO DETAIL 3/A-508
25. PARGE SIDES OF STAIRS TO MATCH FOUNDATION WALL AFTER STAIRS ARE REMOVED

GENERAL NOTES:

1. REPOINT EVERY VERTICAL JOINT IN CONCRETE CORNICE BAND.
2. REPOINT EVERY VERTICAL JOINT IN WINDOW SILLS. APPLY WATER REPELLENTS AND POROSITY REDUCER OVER ALL EXISTING PRECAST SILLS. SEE DETAIL 2/A-508.
3. CLEAN ALL ALGAE GROWTH FROM BRICK.
4. PARGE ALL CONCRETE FOUNDATION AND PAINT. (SEE DETAIL 5/A-507)
5. REMOVE & PROVIDE LINTELS @ ALL RECTANGULAR WINDOW OPENINGS AND LOUVERS IN BRICK OPENINGS. (SEE DETAIL 3/A-505)
6. REMOVE & REINSTALL EXISTING CONCRETE SILLS AT ALL RECTANGULAR WINDOW OPENINGS AND LOUVERS IN BRICK OPENINGS. PROVIDE COPPER FLASHING SILL PAN. (SEE DETAIL 2/A-506)
7. REMOVE AND PROVIDE INSULATED METAL PANELS AT ALL WINDOW OPENINGS TO REPLACE EXISTING.
8. PROVIDE STORM WINDOW AT EACH WINDOW OPENING. (SEE DETAILS 1&2/A-505)
9. REPLACE WEATHERSTRIP AT ALL EXTERIOR DOORS & WINDOWS.
10. REMOVE ALL SEALANT AND REPLACE WITH NEW AT ALL EXTERIOR WINDOWS. BRICK TO TRIM, TRIM TO FRAME, TRIM TO SILL, TRIM TO LINTEL.
11. REMOVE ALL SEALANT AT ALUMINUM PANEL WINDOW INFILL LOCATIONS AND REPLACE WITH NEW; BRICK TO TRIM, TRIM TO SILL, TRIM TO LINTEL.
12. APPLY WATER REPELLENTS AND POROSITY REDUCER TO ENTIRE BRICK AND CAST STONE FACADES.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF CONNECTICUT – CHARLES R. WHITAKER, ARCHITECT – REGISTERED ARCHITECT – PRACTICE OF ARCHITECTURE

SEAL

AMES & WHITAKER Architects

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

BID DOC SUBMISSION

SATISFACTORY TO DATE 03/22/16

DES RWS DRW CA CHK SP

<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL EXTERIOR REPAIRS

ELEVATIONS

SCALE: AS NOTED

EPROJECT NO.: 1360886

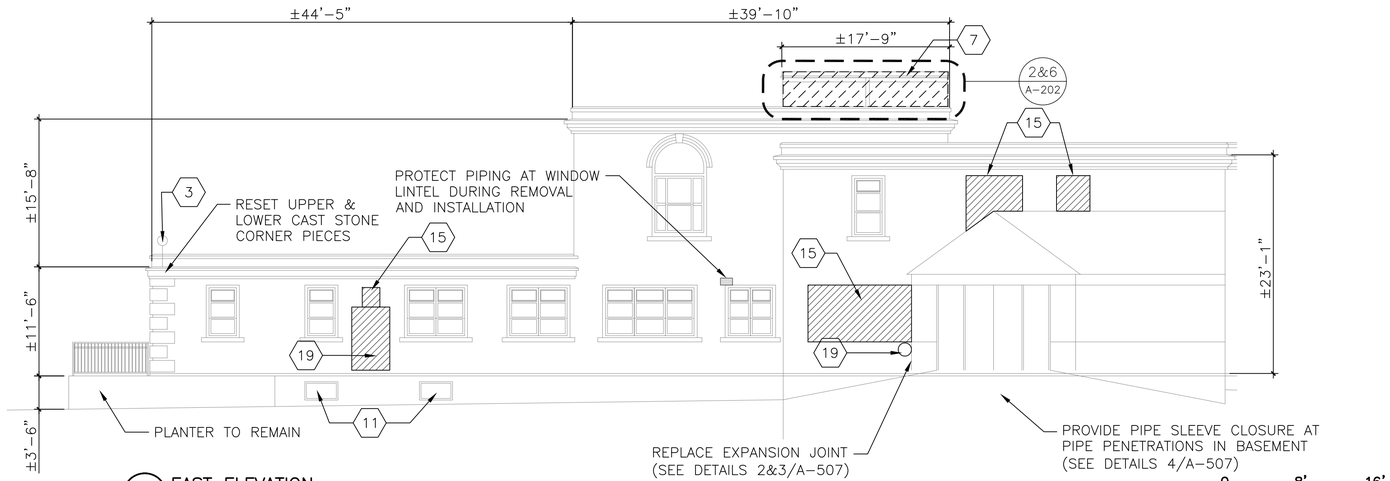
CONSTR. CONTR. NO.: N40085-14-D-2323

NAVFAC DRAWING NO.: 12716905

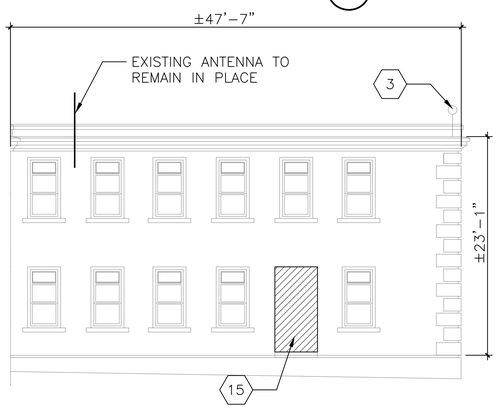
SHEET 8 OF 22

A-200

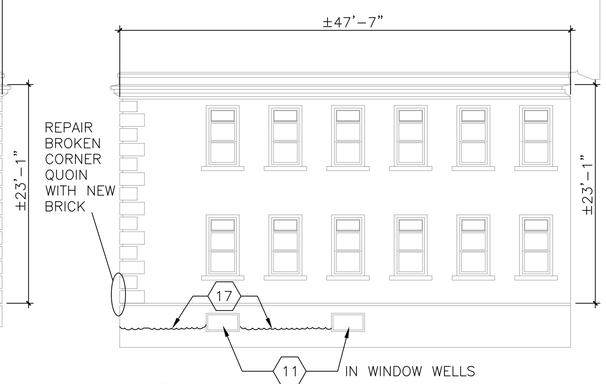
DRAWFORM REVISION: 10 MARCH 2009



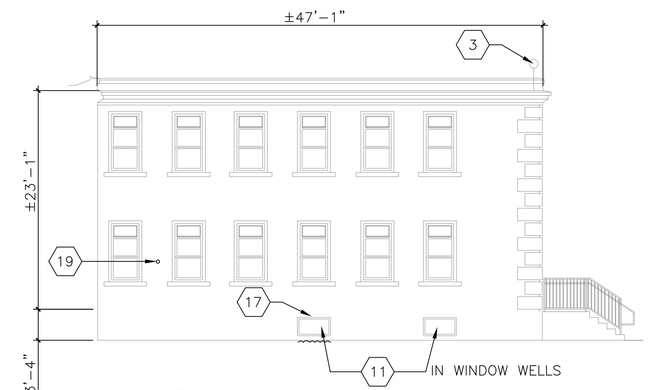
1 EAST ELEVATION 0 8' 16'



2 EAST ELEVATION – NORTH ALLEY 0 8' 16'



3 WEST ELEVATION – NORTH COURTYARD 0 8' 16'



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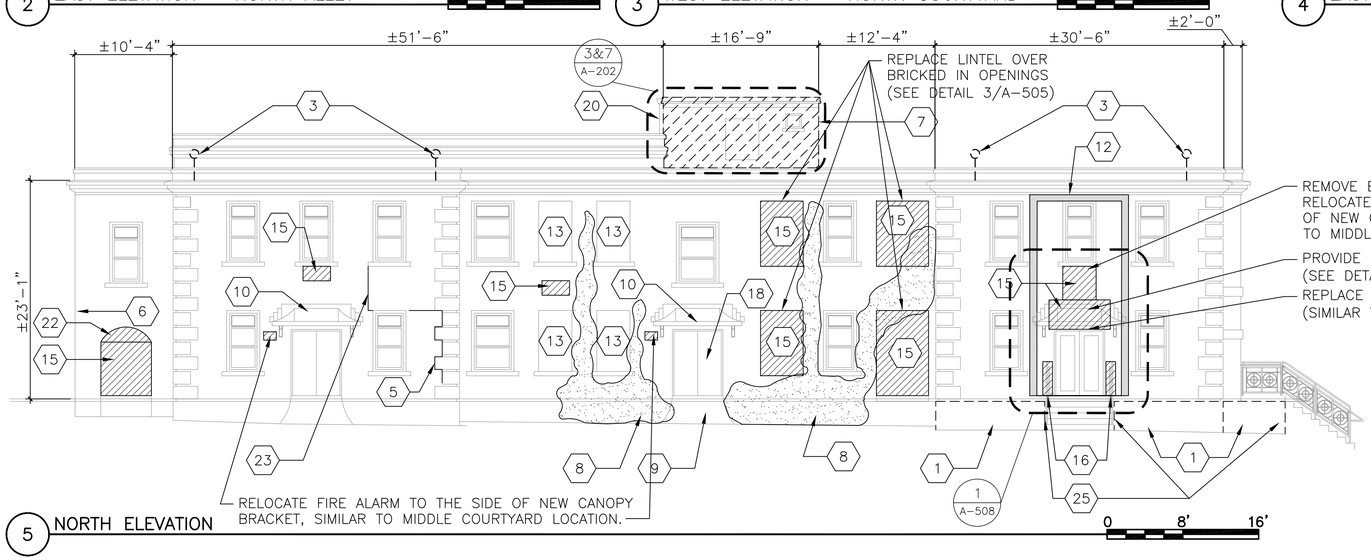

5 NORTH ELEVATION 0 8' 16'

ALLOWANCE OF BRICK QUANTITIES TO BE REPLACED:

AT LINTELS – 3000 BRICKS

AT LARGE AREAS – 5050 BRICKS

INDIVIDUALS – 2200 BRICKS
(INCLUDING CRACKED BRICKS, HOLES IN BRICKS AND UNUSED FASTENERS)

WORK NOTES:

1. REMOVE CONCRETE PLANTER. PATCH FOUNDATION WALL AS NEEDED.
3. REMOVE ABANDONED LIGHTS, REPLACE DAMAGED BRICK
5. REPLACE CRACKED BRICK, REPOINT VERTICAL JOINT CRACKS
6. REPLACE EXPANSION JOINT, SEE DETAIL 1/A–507
7. REMOVE PENTHOUSE
8. REMOVE PLANTS & VEGETATION. SEE PHOTOS W1, N6, N7, N8
9. PROVIDE CONTINUOUS HINGES TO EXISTING DOOR AND FRAME
10. REMOVE CANOPY AND BRACKETS. PROVIDE CANOPY SIMILAR TO EXISTING DESIGN. SEE DETAILS ON A–504 AND A–508.
11. PROVIDE SEALANT AT LOUVERS. SCRAPE, PREP AND PAINT LOUVERS
12. REMOVE PAINT, SEALANT, ASPHALT AND EXCESS MORTAR FROM BRICK. REPAIR HOLES WITH BRICK TO MATCH.
13. REMOVE & PROVIDE INSULATED METAL PANELS TO MATCH EXISTING SIZES. REMOVE & PROVIDE LINTELS SIMILAR TO DETAIL 3/A–505.
15. REMOVE EXISTING BRICK PATCH AND PROVIDE NEW WITH MATCHING BRICK
16. REPAIR BRICK FROM REMOVED RAILINGS WITH MATCHING BRICK
17. REPAIR CRACKED PARGING AT CONCRETE FOUNDATION WALL
18. PREP AND REPAINT DOORS AND FRAME
19. REMOVE BOLTS, BRACKETS AND INFILL HOLES AND OTHER MISC HOLES
20. REMOVE DOWNSPOUT
22. REMOVE MISMATCHED BRICK, WOOD BLOCKING, STEP FLASHING AND CONDUIT STUB. INFILL OPENING WITH BRICK TO MATCH.
23. PROVIDE EXPANSION JOINT FROM CAST STONE SILL TO LINTEL BELOW. SEE DETAIL 3/A–508
25. PARGE SIDES OF STAIRS TO MATCH FOUNDATION WALL AFTER STAIRS ARE REMOVED

GENERAL NOTES:

1. REPOINT EVERY VERTICAL JOINT IN CONCRETE CORNICE BAND.
2. REPOINT EVERY VERTICAL JOINT IN WINDOW SILLS. APPLY WATER REPELLENTS AND POROSITY REDUCER OVER ALL EXISTING PRECAST SILLS. SEE DETAIL 2/A–508.
3. CLEAN ALL ALGAE GROWTH FROM BRICK.
4. PARGE ALL CONCRETE FOUNDATION AND PAINT. (SEE DETAIL 5/A–507)
5. REMOVE & PROVIDE LINTELS @ ALL RECTANGULAR WINDOW OPENINGS AND LOUVERS IN BRICK OPENINGS. (SEE DETAIL 3/A–505)
6. REMOVE & REINSTALL EXISTING CONCRETE SILLS AT ALL RECTANGULAR WINDOW OPENINGS AND LOUVERS IN BRICK OPENINGS. PROVIDE COPPER FLASHING SILL PAN. (SEE DETAIL 2/A–506)
7. REMOVE AND PROVIDE INSULATED METAL PANELS AT ALL WINDOW OPENINGS TO REPLACE EXISTING.
8. PROVIDE STORM WINDOW AT EACH WINDOW OPENING. (SEE DETAILS 1&2/A–505)
9. REPLACE WEATHERSTRIP AT ALL EXTERIOR DOORS & WINDOWS.
10. REMOVE ALL SEALANT AND REPLACE WITH NEW AT ALL EXTERIOR WINDOWS. BRICK TO TRIM, TRIM TO FRAME, TRIM TO SILL, TRIM TO LINTEL.
11. REMOVE ALL SEALANT AT ALUMINUM PANEL WINDOW INFILL LOCATIONS AND REPLACE WITH NEW; BRICK TO TRIM, TRIM TO SILL, TRIM TO LINTEL.
12. APPLY WATER REPELLENTS AND POROSITY REDUCER TO ENTIRE BRICK AND CAST STONE FACADES.

SYM	DESCRIPTION	DATE	APPR

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STATE OF CONNECTICUT · WHITAKER, ARCHITECT · CERTIFICATE OF PROFESSIONAL ARCHITECTURE

SEAL

AMES & WHITAKER Architects
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS
9 Liberty Road Washington, Connecticut 06793 (860) 868-0844 Fax (860) 868-0847

A/E INFO

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ACTIVITY
BID DOC SUBMISSION

SATISFACTORY TO DATE 03/22/16

DES RWS DRW CA CHK SP

<<CPM/CM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

ELEVATIONS

SCALE: AS NOTED

EPROJECT NO.: 1360886

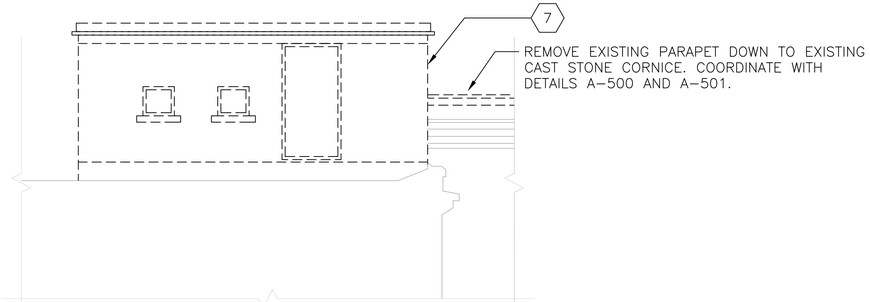
CONSTR. CONTR. NO.
N40085–14–D–2323

NAVFAC DRAWING NO.
12716906

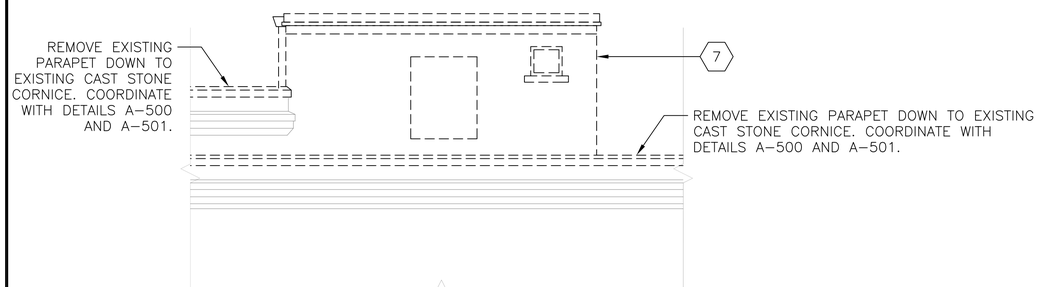
SHEET 9 OF 22

A-201

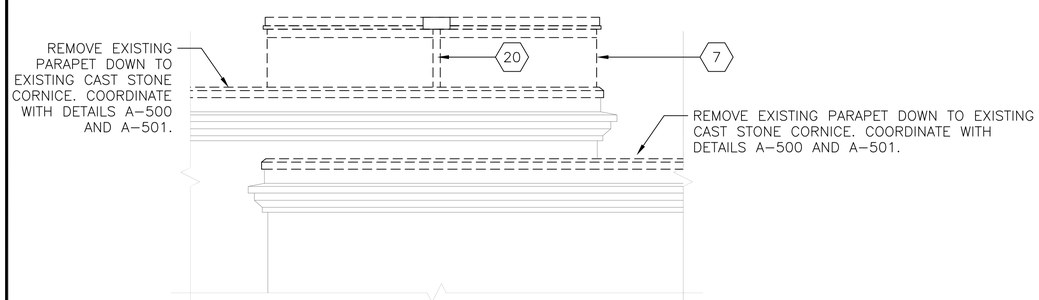
DRAWFORM REVISION: 10 MARCH 2009



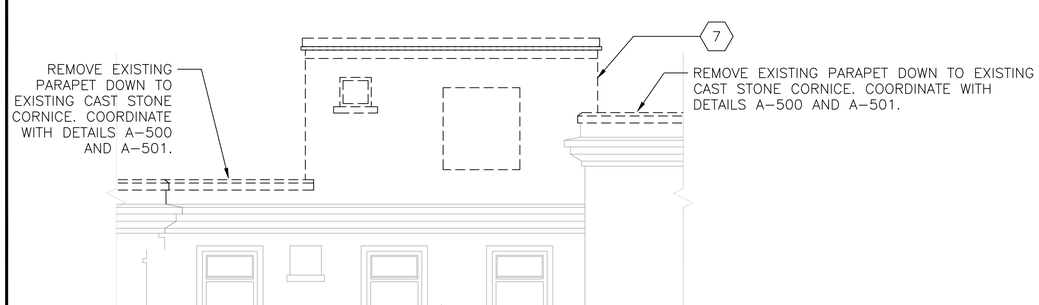
4 WEST DEMO ELEVATION 0 2 4 8



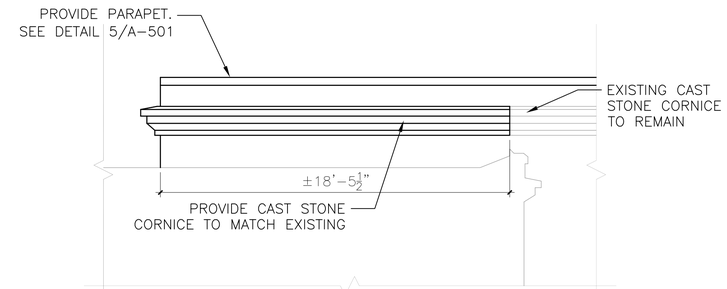
3 NORTH DEMO ELEVATION 0 2 4 8



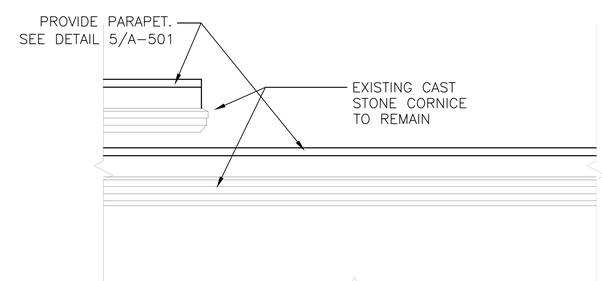
2 EAST DEMO ELEVATION 0 2 4 8



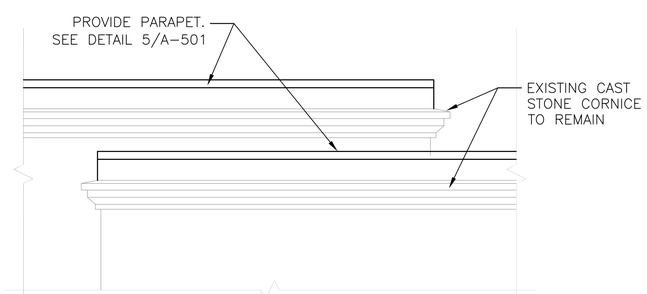
1 SOUTH DEMO ELEVATION 0 2 4 8



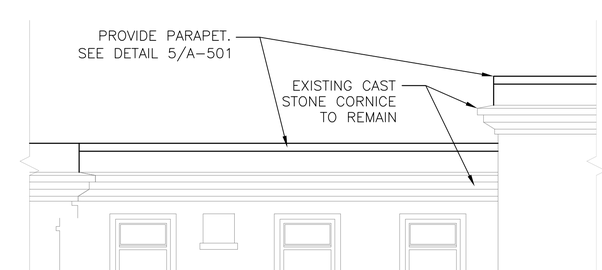
8 WEST NEW WORK ELEVATION 0 2 4 8



7 NORTH NEW WORK ELEVATION 0 2 4 8



6 EAST NEW WORK ELEVATION 0 2 4 8



5 SOUTH NEW WORK ELEVATION 0 2 4 8

WORK NOTES:

7 REMOVE PENTHOUSE

20 REMOVE DOWNSPOUT

GENERAL NOTES:

1. REPOINT EVERY VERTICAL JOINT IN CONCRETE CORNICE BAND.
2. REPOINT EVERY VERTICAL JOINT IN WINDOW SILLS. APPLY WATER REPELLENTS AND POROSITY REDUCER OVER ALL EXISTING PRECAST SILLS. SEE DETAIL 2/A–508.
3. CLEAN ALL ALGAE GROWTH FROM BRICK.
4. PARGE ALL CONCRETE FOUNDATION AND PAINT. (SEE DETAIL 5/A–507)
5. REMOVE & PROVIDE LINTELS @ ALL RECTANGULAR WINDOW OPENINGS AND LOUVERS IN BRICK OPENINGS. (SEE DETAIL 3/A–505)
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8. PROVIDE STORM WINDOW AT EACH WINDOW OPENING. (SEE DETAILS 1&2/A–505)
9. REPLACE WEATHERSTRIP AT ALL EXTERIOR DOORS & WINDOWS.
10. REMOVE ALL SEALANT AND REPLACE WITH NEW AT ALL EXTERIOR WINDOWS. BRICK TO TRIM, TRIM TO FRAME, TRIM TO SILL, TRIM TO LINTEL.
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12. APPLY WATER REPELLENTS AND POROSITY REDUCER TO ENTIRE BRICK AND CAST STONE FACADES.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF CONNECTICUT · AMES & WHITAKER, ARCHITECTS · CERTIFICATE OF PROFESSIONAL PRACTICE OF ARCHITECTURE

SEAL

AMES & WHITAKER Architects
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS
9 Liberty Road · Hingham, Massachusetts 02043 · (781) 331-1001 · Fax (781) 331-1007

A/E INFO

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FOR COMMANDER NAVFAC

ACTIVITY

BID DOC SUBMISSION

SATISFACTORY TO DATE 03/22/16

DES RWS DRW CA CHK SP

<<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

ELEVATIONS

SCALE: AS NOTED

EPROJECT NO.: 1360886

CONSTR. CONTR. NO. N40085–14–D–2323

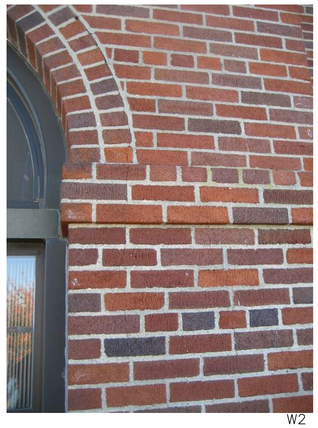
NAVFAC DRAWING NO. 12716907

SHEET 10 OF 22

A-202

DRAWFORM REVISION: 10 MARCH 2009

WEST ELEVATION W1


W2

W3

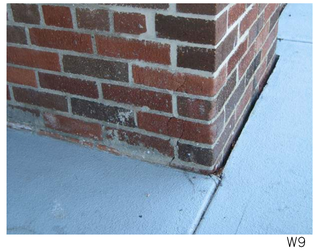
W4

W5

W6

W7

WEST ELEVATION W8


W9

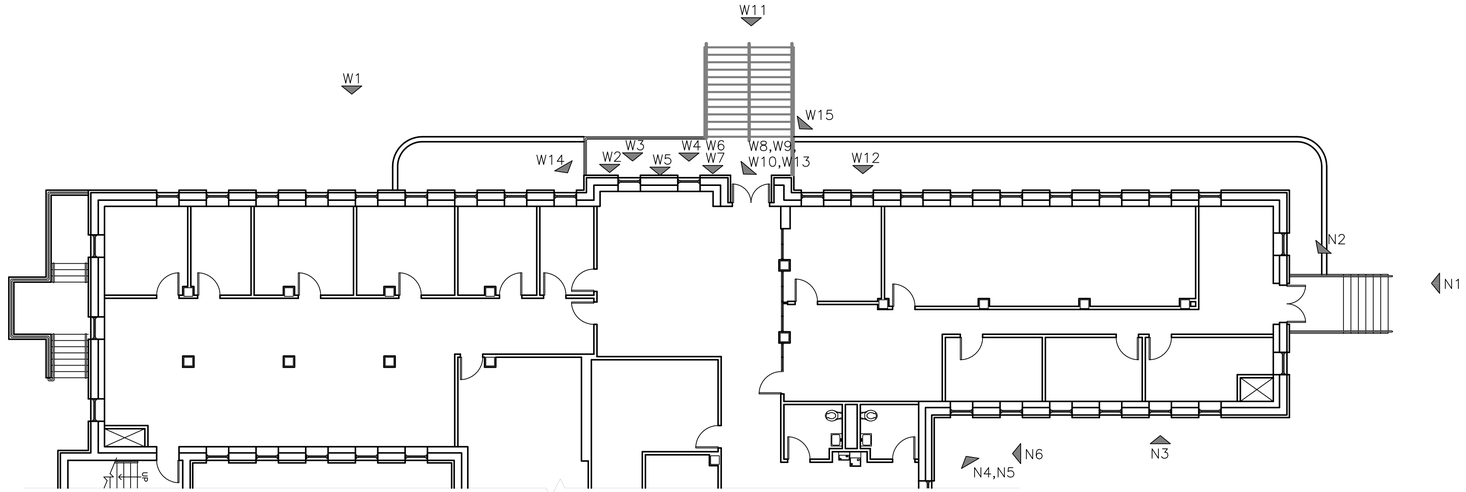
W10

W11

W12

W13

W14



KEY PLAN

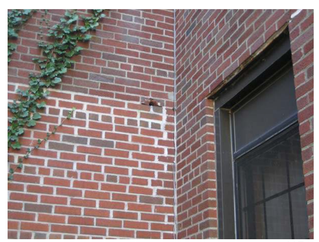
WEST ELEVATION W15

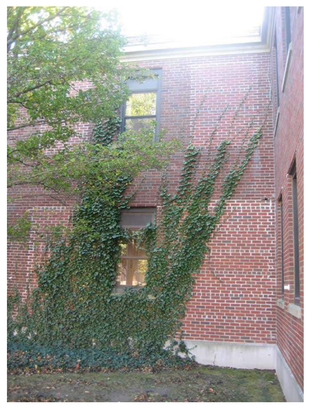
NORTH ELEVATION N1

N2

N3

N4


N5


N6

SYM	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF CONNECTICUT
AMES & WHITAKER, ARCHITECTS P.C.
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AMES & WHITAKER Architects
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9 Liberty Road Bedington, Connecticut 06031 (860) 632-0844 Fax (860) 632-0907

A/E INFO

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ACTIVITY

BID DOC SUBMISSION

SATISFACTORY TO DATE 03/22/16

DES XXX DRW XXX CHK XXX

<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION ~ NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL EXTERIOR REPAIRS

PHOTOS

SCALE AS NOTED

EPROJECT NO. 1360886

CONSTR. CONTR. NO. N40085-14-D-2323

NAVFAC DRAWING NO. 12716908

SHEET 11 OF 22

A-203

DRAWFORM REVISION: 10 MARCH 2009

NORTH ELEVATION N7

N8

N9

N10

N11

N12

N13

NORTH ELEVATION N14

EAST ELEVATION E1

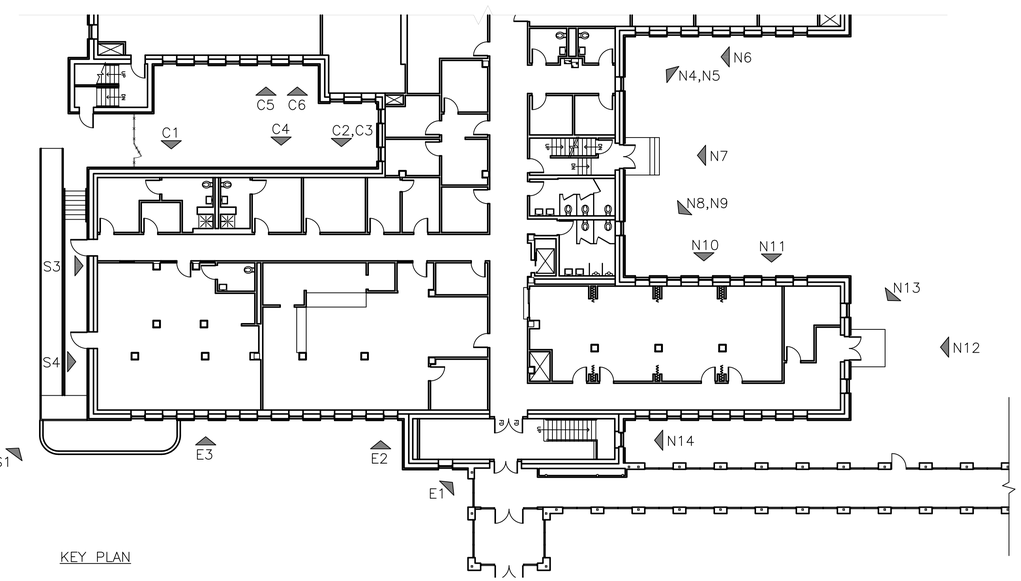
E2

E3

SOUTH ELEVATION S1

S2

S3



KEY PLAN

SOUTH ELEVATION S4

COURTYARD C1

C2

C3

C4

C5

C6

SYM	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF CONNECTICUT — AMES & WHITAKER, ARCHITECTS P.C. — No. 11 — PRACTICE OF ARCHITECTURE

SEAL

AMES & WHITAKER Architects
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS
9 Liberty Road Bethlehem, Connecticut 06751 (203) 266-7564 Fax (203) 266-4507

A/E INFO

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FOR COMMANDER NAVFAC

ACTIVITY

BID DOC SUBMISSION

SATISFACTORY TO DATE 03/22/16

DES XXX DRW XXX CHK XXX

<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NORTHEAST IPT
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL EXTERIOR REPAIRS

PHOTOS

SCALE: AS NOTED

EPROJECT NO.: 1360886

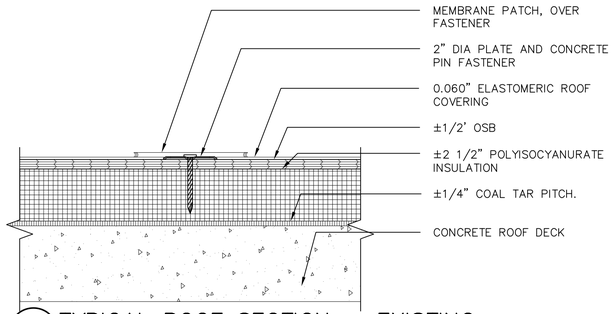
CONSTR. CONTR. NO. N40085-14-D-2323

NAVFAC DRAWING NO. 12716909

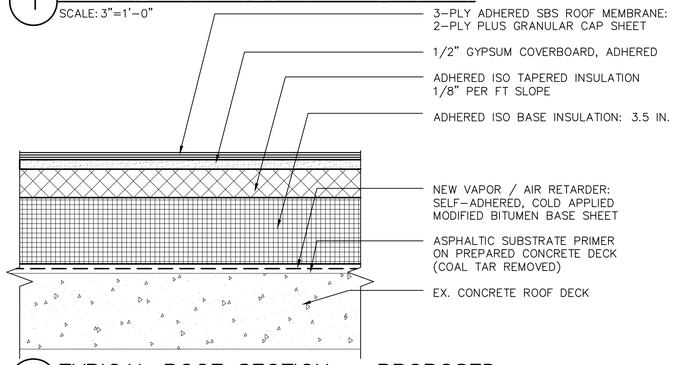
SHEET 12 OF 22

A-204

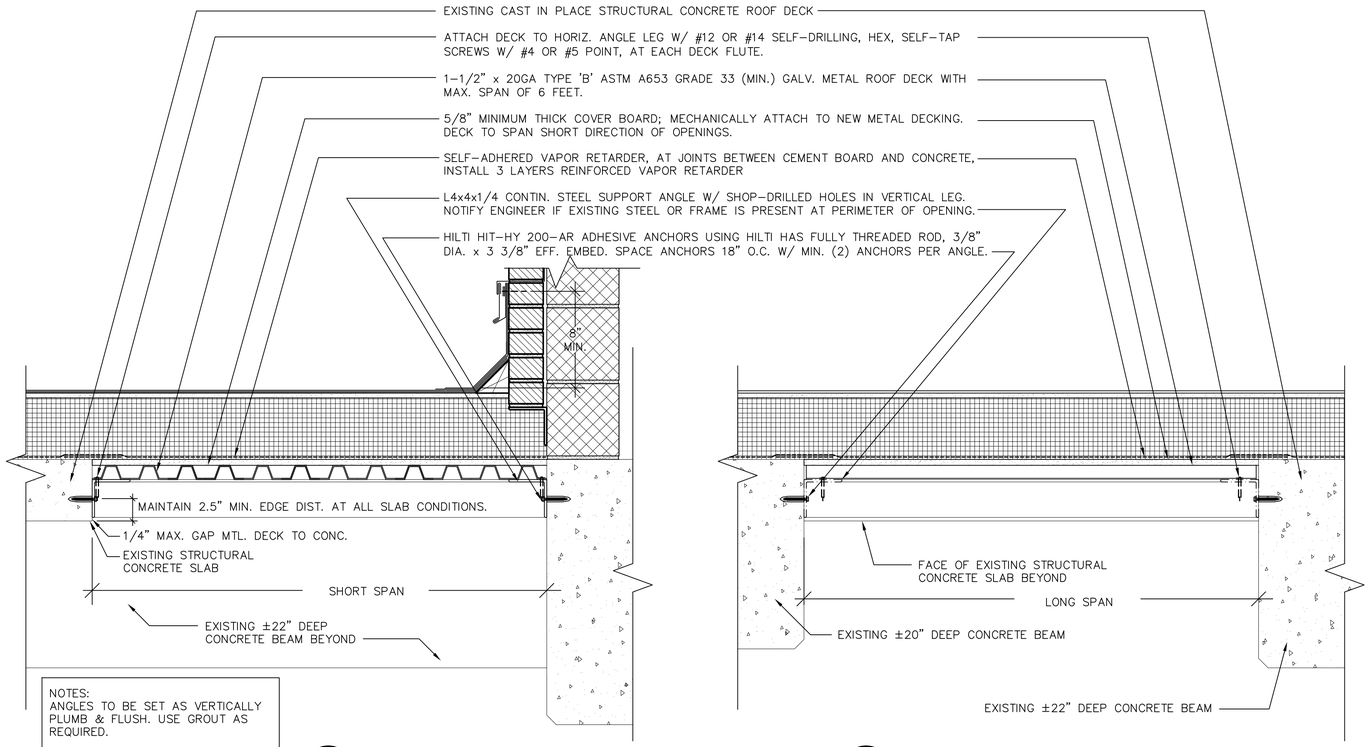
DRAWFORM REVISION: 10 MARCH 2009



1 TYPICAL ROOF SECTION – EXISTING
SCALE: 3"=1'–0"



2 TYPICAL ROOF SECTION – PROPOSED
SCALE: 3"=1'–0"

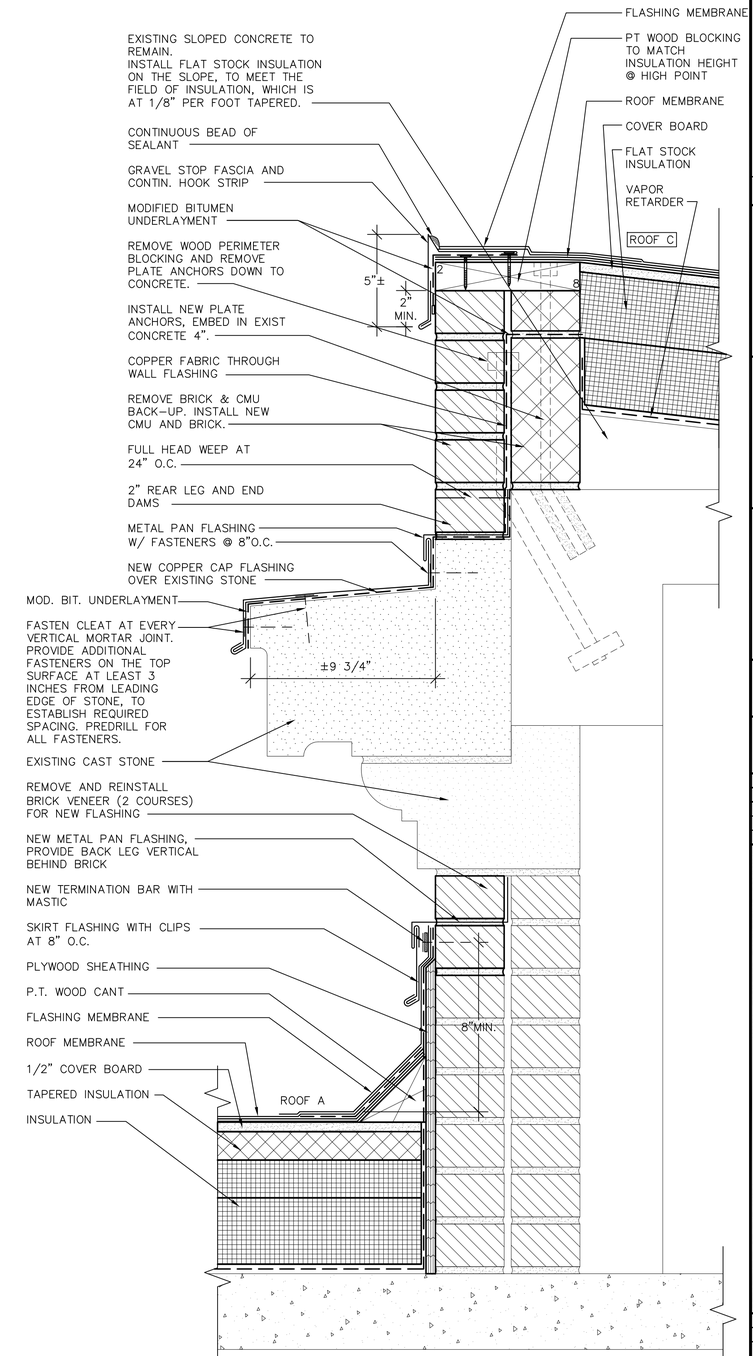


NOTES:
ANGLES TO BE SET AS VERTICALLY PLUMB & FLUSH. USE GROUT AS REQUIRED.

USE #10 HEX HEAD SIDELAP SCREWS @12" O.C. MAX. AT LAPS IN DECKING

4A DECK INFILL DETAIL
SCALE: 1 1/2"=1'–0"

4B DECK INFILL DETAIL
SCALE: 1 1/2"=1'–0"



5 ROOF / WALL SECTION: ROOF A TO ROOF C
SCALE: 3"=1'–0"

STM	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF CONNECTICUT MICHAEL D. FEERRY No. 12492 LICENSED ARCHITECT
SEAL

AMES & WHITAKER Architects
Member of the American Institute of Architects
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Engineers and Planners
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A/E INFO

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ACTIVITY
BID DOC SUBMISSION
SATISFACTORY TO DATE 03/22/16
DES MDF DRW MDF CHK MAL
<<PM/TM/>> V. TOMA
BRANCH MANAGER
CHIEF ENG/ARCH
<<COD>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT
NAVAL STATION NEWPORT

NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NEWPORT, RI

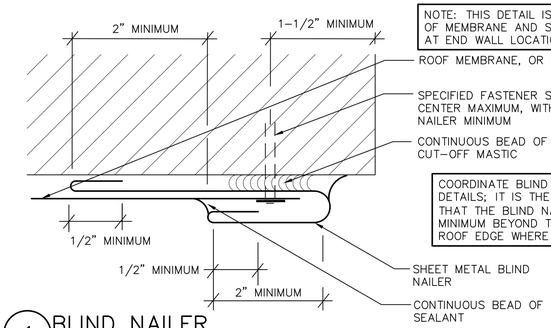
BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS
ROOF DETAILS

SCALE: AS NOTED
EPROJECT NO.: 1360886
CONSTR. CONTR. NO. N40085-14-D-2323
NAVFAC DRAWING NO. 12716910
SHEET 13 OF 22
A-500

DRAWFORM REVISION: 10 MARCH 2009

THIS DETAIL MAY NOT BE SHOWN ON THE PLANS, BUT SHALL BE UNDERSTOOD FOR ALL VERTICAL TERMINATIONS.

NOTE: THIS DETAIL IS AT ALL TERMINATIONS OF MEMBRANE AND SHEET METAL FLASHINGS AT END WALL LOCATIONS.



COORDINATE BLIND NAILERS WITH ADJACENT DETAILS; IT IS THE INTENT OF THIS DETAIL THAT THE BLIND NAILER SHALL EXTEND 8" MINIMUM BEYOND THE LIMITS OF A LOWER ROOF EDGE WHERE PRACTICAL.

1 BLIND NAILER

NOT TO SCALE
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)

UNACCEPTABLE ROOF DECK PREPARATION

UNACCEPTABLE ROOF DECK PREPARATION

ACCEPTABLE ROOF DECK PREPARATION (SHOT BLAST) IN PROGRESS

COAL TAR PITCH IS PRESENT ON THE EXISTING CONCRETE ROOF DECKS. CONTRACTOR SHALL REMOVE COAL TAR PITCH FROM THE DECKS. NEW WORK SHALL NOT PROCEED UNTIL THE DECK IS ACCEPTED AS SUITABLE BY THE ENGINEER.

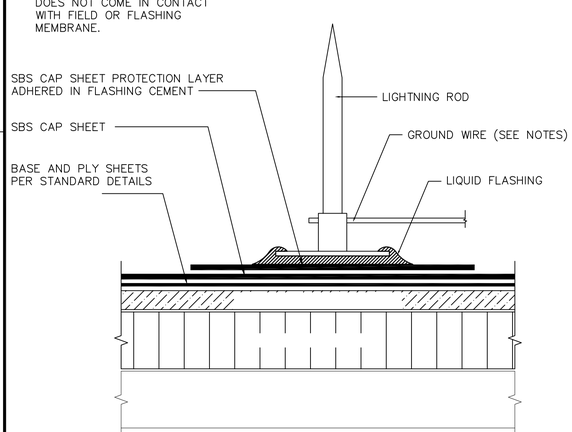
COAL TAR PITCH REMOVAL SHALL RESULT IN THE CONCRETE DECKS BEING CLEAN, SMOOTH, DRY, FREE OF CONTAMINANTS AND READY FOR THE INSTALLATION OF THE SPECIFIED ADHERED ROOFING. ACCEPTABLE METHODS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

- USE OF SPUD BARS
- PNEUMATIC HAMMERS
- SHOT BLASTING
- SCARIFYING

2 ROOF DECK COAL TAR PITCH REMOVAL DETAIL

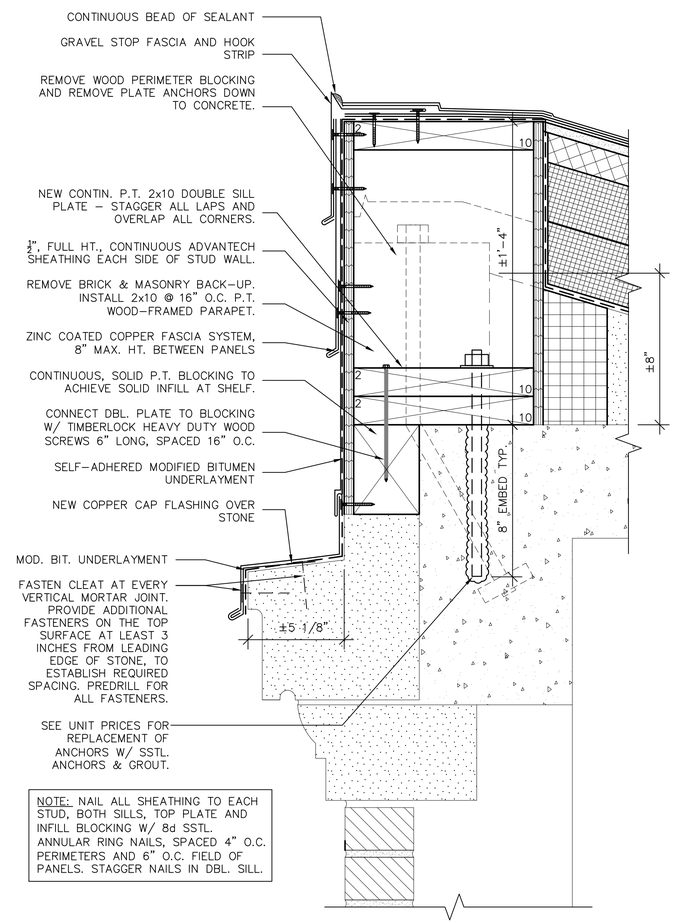
SCALE: NO SCALE

NOTES:
1. GROUND WIRE SUPPORTS SHALL BE INSTALLED SIMILARLY TO LIGHTNING RODS.
2. A SUFFICIENT NUMBER OF GROUND WIRE SUPPORTS MUST BE INSTALLED SO THAT THE GROUND WIRE DOES NOT COME IN CONTACT WITH FIELD OR FLASHING MEMBRANE.



3 LIGHTNING ROD AIR TERMINAL DETAIL

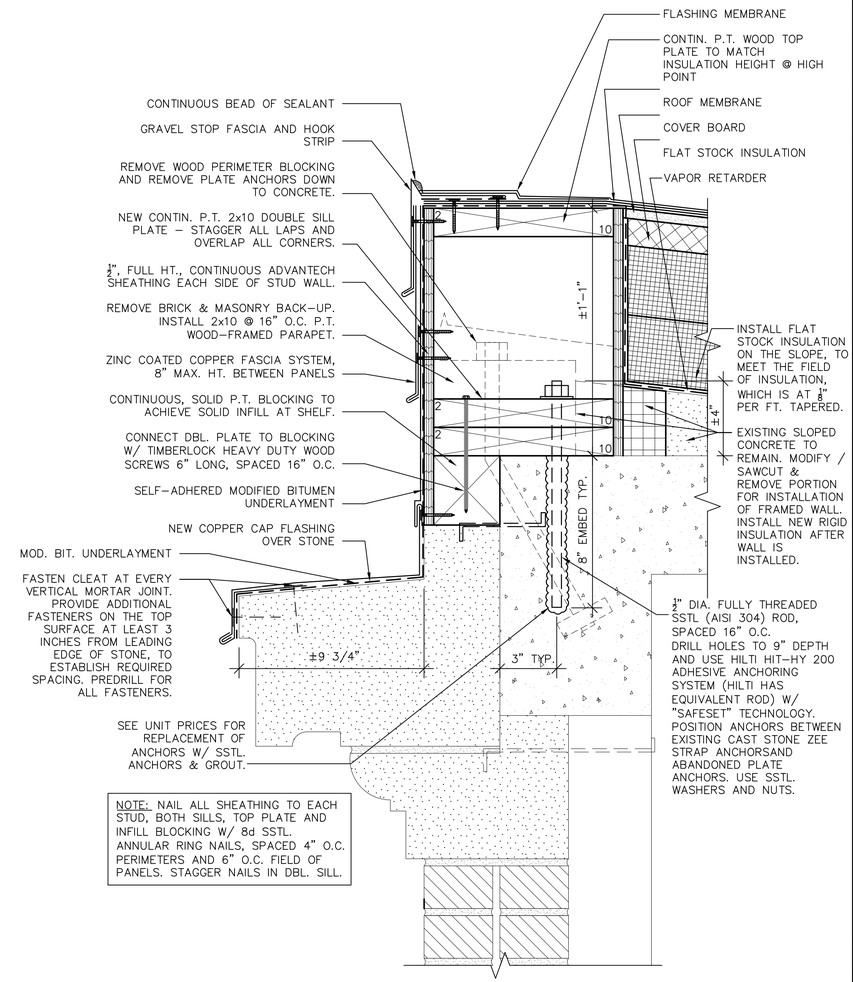
SCALE: 3"=1'-0"



NOTE: NAIL ALL SHEATHING TO EACH STUD, BOTH SILLS, TOP PLATE AND INFILL BLOCKING W/ 8d SSTL. ANNULAR RING NAILS, SPACED 4" O.C. PERIMETERS AND 6" O.C. FIELD OF PANELS. STAGGER NAILS IN DBL. SILL.

4 ROOF / WALL SECTION: ROOF D

SCALE: 3"=1'-0"



NOTE: NAIL ALL SHEATHING TO EACH STUD, BOTH SILLS, TOP PLATE AND INFILL BLOCKING W/ 8d SSTL. ANNULAR RING NAILS, SPACED 4" O.C. PERIMETERS AND 6" O.C. FIELD OF PANELS. STAGGER NAILS IN DBL. SILL.

5 ROOF / WALL SECTION: ROOF A TYPICAL

SCALE: 3"=1'-0"

SYM	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF CONNECTICUT MICHAEL D. FERNEY No. 12492 LICENSED ARCHITECT

SEAL

AMES & WHITAKER Architects
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A/E INFO

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SATISFACTORY TO DATE 03/22/16
DES MDF DRW MDF CHK MAL
<<PM/DM>> V. TOMA
BRANCH MANAGER
CHIEF ENG/ARCH
<<OOD>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI

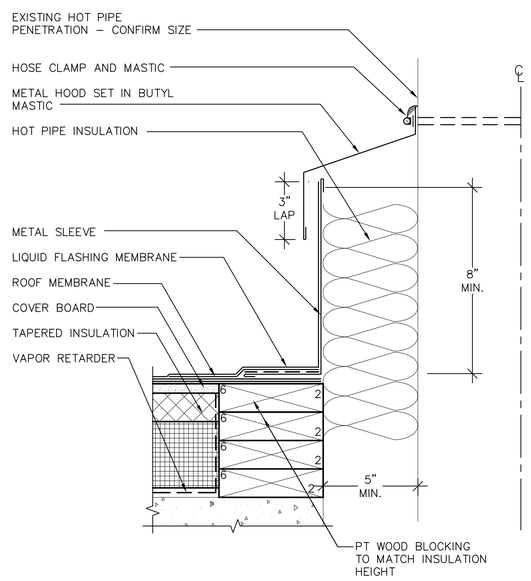
BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

ROOF DETAILS

SCALE: AS NOTED
EPROJECT NO.: 1380886
CONSTR. CONTR. NO. N40085-14-D-2323
NAVFAC DRAWING NO. 12716911
SHEET 14 OF 22

A-501

DRAWFORM REVISION: 10 MARCH 2009

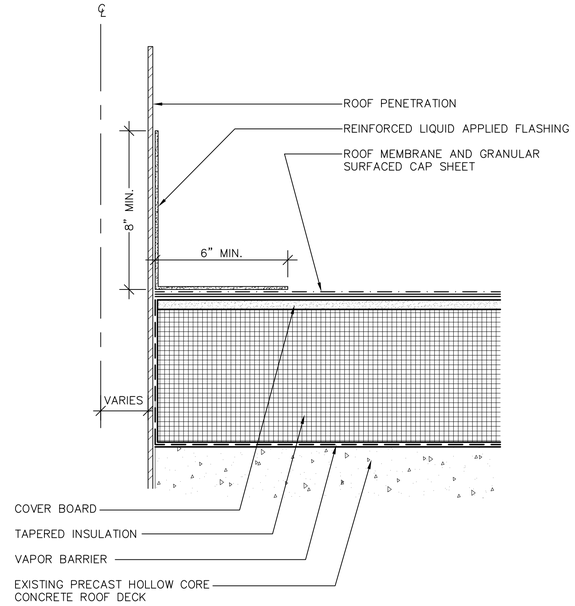


1 TYPICAL HOT PIPE

SCALE: 3"=1'–0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)

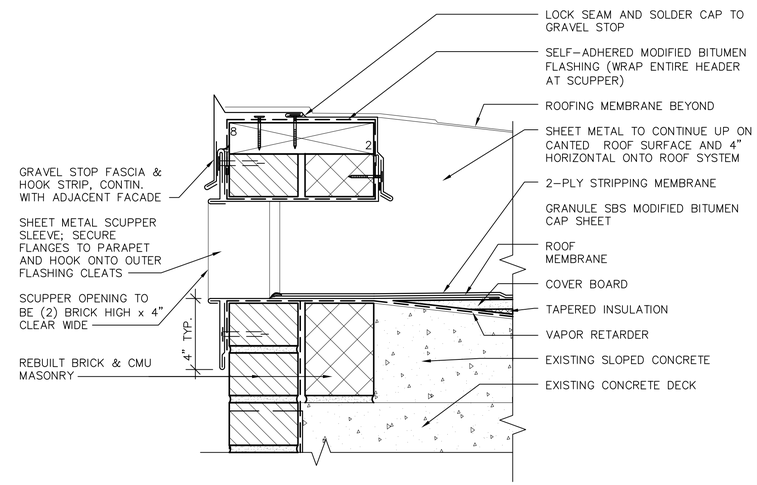
NOTE:
ADJUSTMENTS TO WOOD BLOCKING HEIGHTS AND CONFIGURATIONS OF FLASHING ARE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL COSTS WILL BE ALLOWED TO THE CONTRACTOR IF PROPOSED DETAIL CONFIGURATIONS ARE ALTERED.

NOTE:
NOTCH INSULATION AS REQUIRED AROUND EXISTING WOOD BLOCKING TO PROVIDE A SMOOTH TRANSITION.



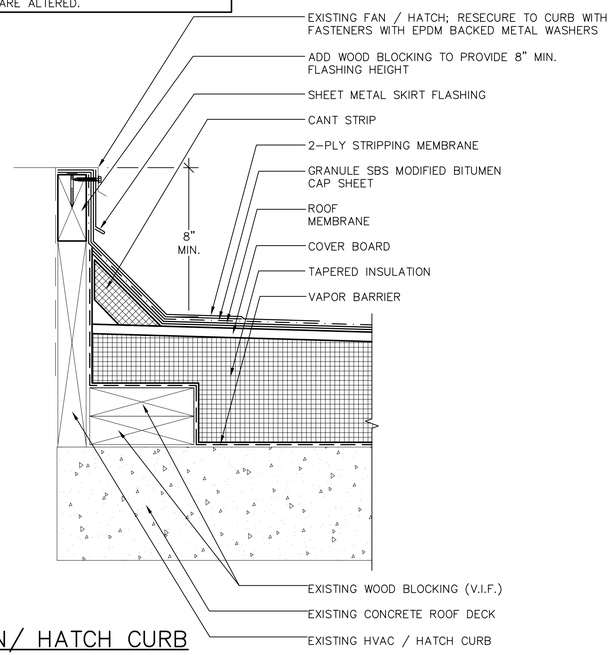
2 LIQUID APPLIED FLASHINGS

3"=1'–0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



3 OVERFLOW SCUPPER

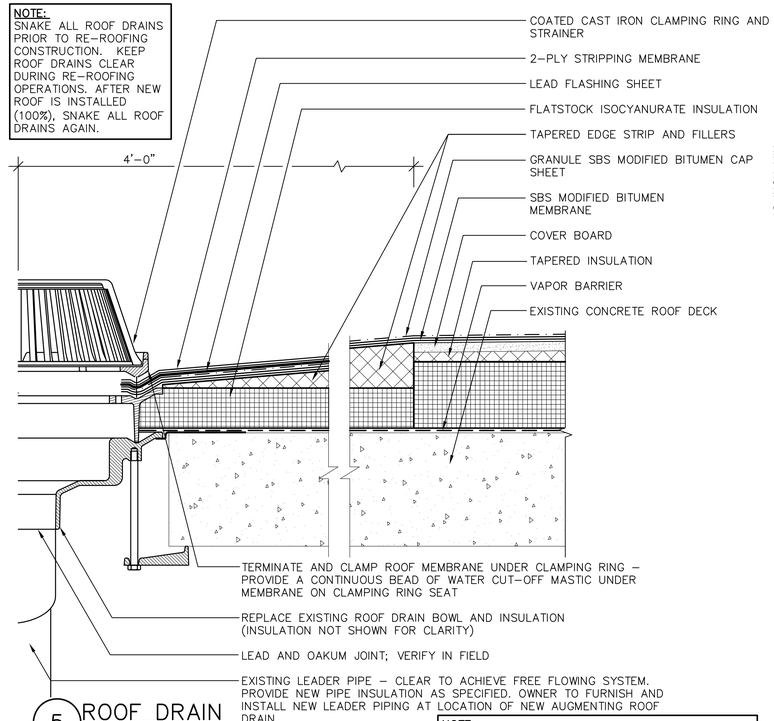
3"=1'–0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



4 FAN/ HATCH CURB

3"=1'–0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)

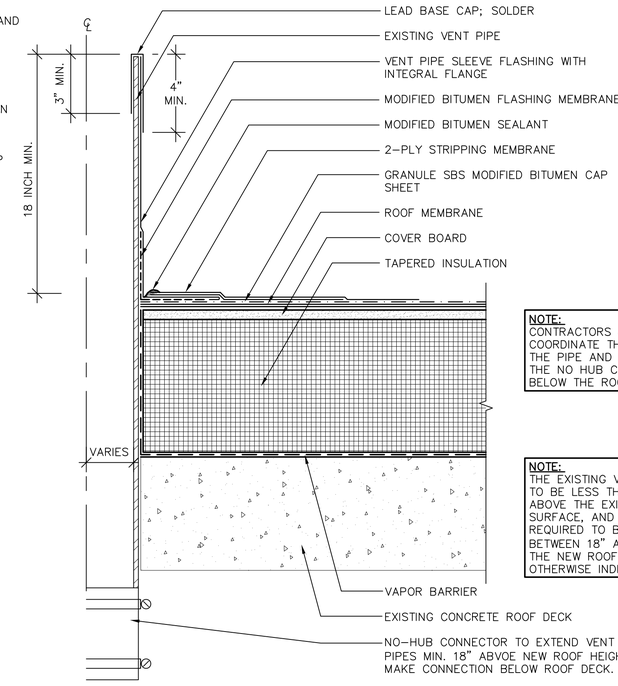
NOTE:
SNAKE ALL ROOF DRAINS PRIOR TO RE–ROOFING CONSTRUCTION. KEEP ROOF DRAINS CLEAR DURING RE–ROOFING OPERATIONS. AFTER NEW ROOF IS INSTALLED (100%), SNAKE ALL ROOF DRAINS AGAIN.



5 ROOF DRAIN

3"=1'–0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)

NOTE:
REMOVE EXISTING ROOF DRAIN INSERTS AND VERIFY IN FIELD DRAIN BOWL TO LEADER PIPE CONNECTION.



NOTE:
CONTRACTORS ARE TO COORDINATE THE CUTTING OF THE PIPE AND INSTALLATION OF THE NO HUB CONNECTION BELOW THE ROOF DECK.

NOTE:
THE EXISTING VENT PIPES APPEAR TO BE LESS THAN 12 INCHES ABOVE THE EXISTING ROOF SURFACE, AND ALL PIPES ARE REQUIRED TO BE RAISED TO BETWEEN 18" AND 24" ABOVE THE NEW ROOF SURFACE, UNLESS OTHERWISE INDICATED.

6 VENT PIPE

3"=1'–0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)

APPR	DATE	DESCRIPTION	STM

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STATE OF CONNECTICUT — MICHAEL D. FERRERA — No. 12492 — LICENSED ARCHITECT

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AMES & WHITAKER Architects
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8 Shady Road Hingham, Massachusetts 02043 (781) 749-1000 Fax (781) 749-4007

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SATISFACTORY TO DATE 03/22/16

DES MDF DRW MDF CHK MAL

<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NORTHEAST IPT
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

ROOF DETAILS

SCALE: AS NOTED

EPROJECT NO.: 1360886

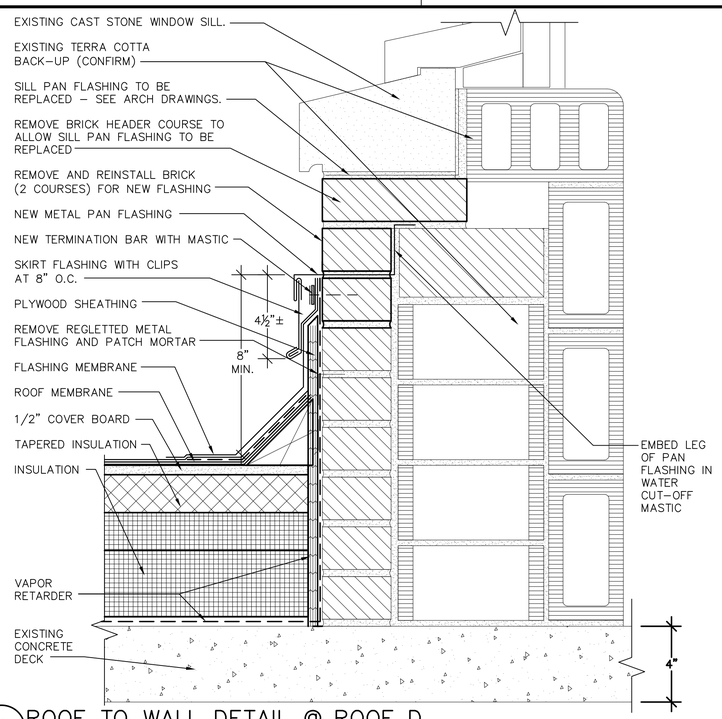
CONSTR. CONTR. NO.
N40085-14-D-2323

NAVFAC DRAWING NO.
12716912

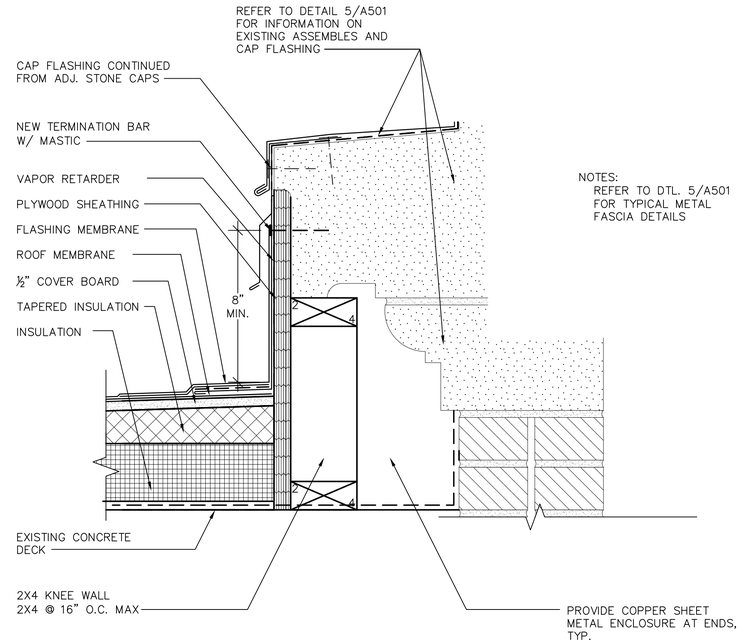
SHEET 15 OF 22

A-502

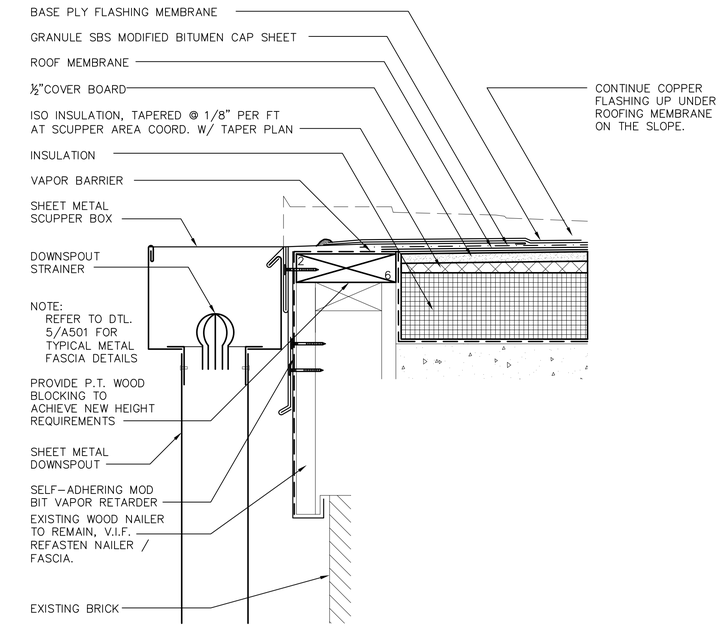
DRAWFORM REVISION: 10 MARCH 2009



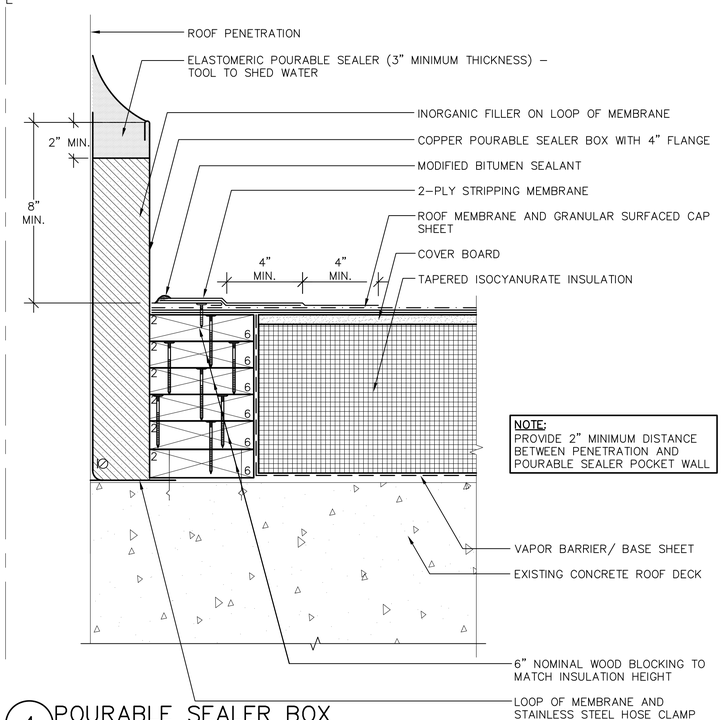
1 ROOF TO WALL DETAIL @ ROOF D
3"=1'-0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



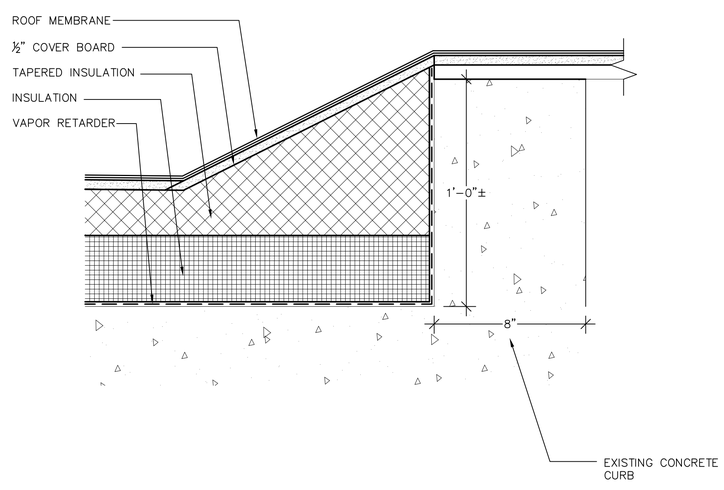
2 ROOF TO WALL DETAIL @ ROOF F
3"=1'-0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



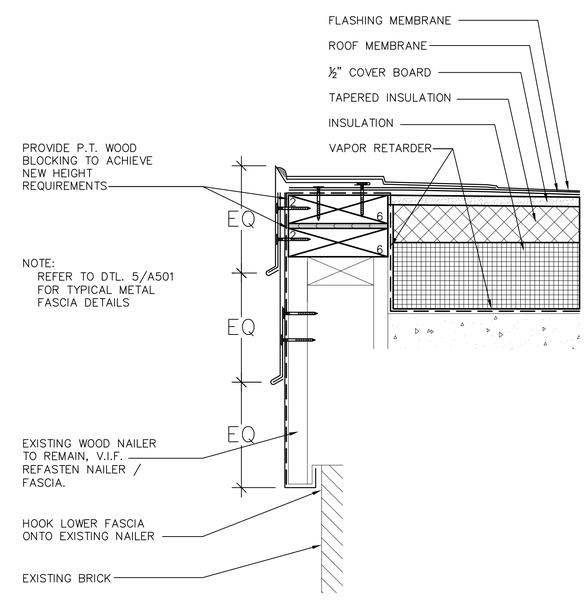
3 SCUPPER WITH DOWNSPOUT (ROOF AREA "F")
3"=1'-0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



4 POURABLE SEALER BOX
3"=1'-0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



5 CONCRETE CURB DETAIL @ HVAC
3"=1'-0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



6 ROOF F TYPICAL EDGE DETAIL
3"=1'-0"
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)

SYM	DESCRIPTION	DATE	APPR

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STATE OF CONNECTICUT MICHAEL D. FERREY No. 12482 LICENSED ARCHITECT

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SATISFACTORY TO DATE 03/22/16

DES MDF | DRW MDF | CHK MAL

<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

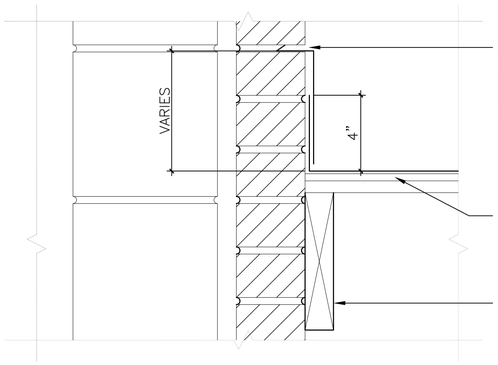
<<XX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI
BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS
ROOF DETAILS

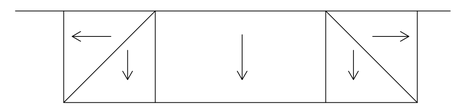
SCALE: AS NOTED
EPROJECT NO.: 1380686
CONSTR. CONTR. NO. N40085-14-D-2323
NAVFAC DRAWING NO. 12716913
SHEET 16 OF 22

A-503

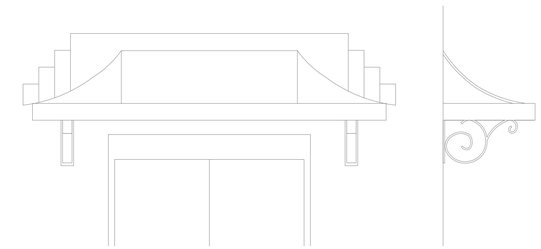
DRAWFORM REVISION: 10 MARCH 2009



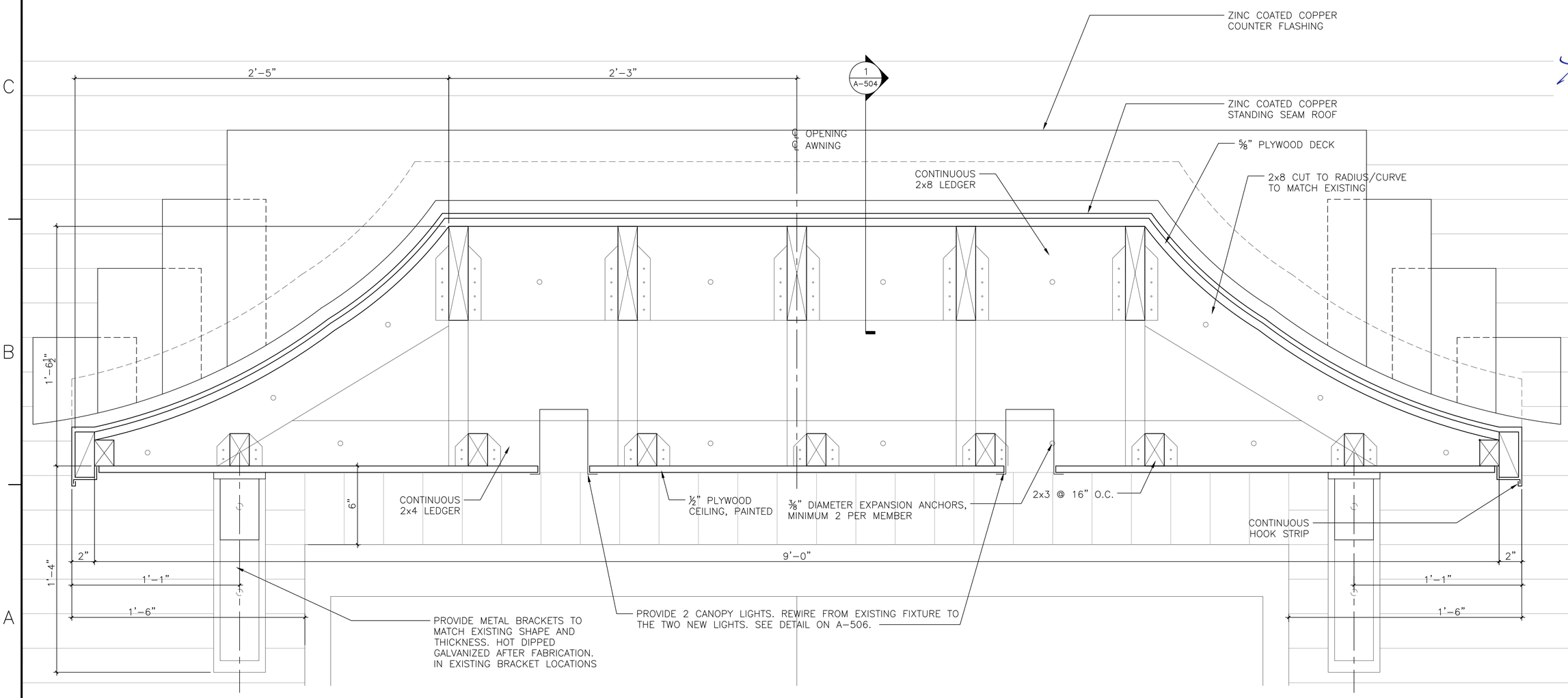
1 CANOPY COUNTERFLASHING DETAIL 0 1



3 ROOF PLAN 0 1 2 3 4



4 ROOF ELEVATION 0 1 2 3 4



2 CANOPY SECTION 0 1

SYM	DESCRIPTION	DATE	APPR

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STATE OF CONNECTICUT
AMES & WHITAKER, ARCHITECTS P.C.
LICENSED PRACTICE OF ARCHITECTURE

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AMES & WHITAKER Architects
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS
9 Liberty Road Bethlehem, Connecticut 06751 (203) 266-7544 Fax (203) 266-4567

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DES RWS DRW SP CHK RWS

<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT

NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA

NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

CANOPY DETAILS

SCALE: AS NOTED

EPROJECT NO.: 1360886

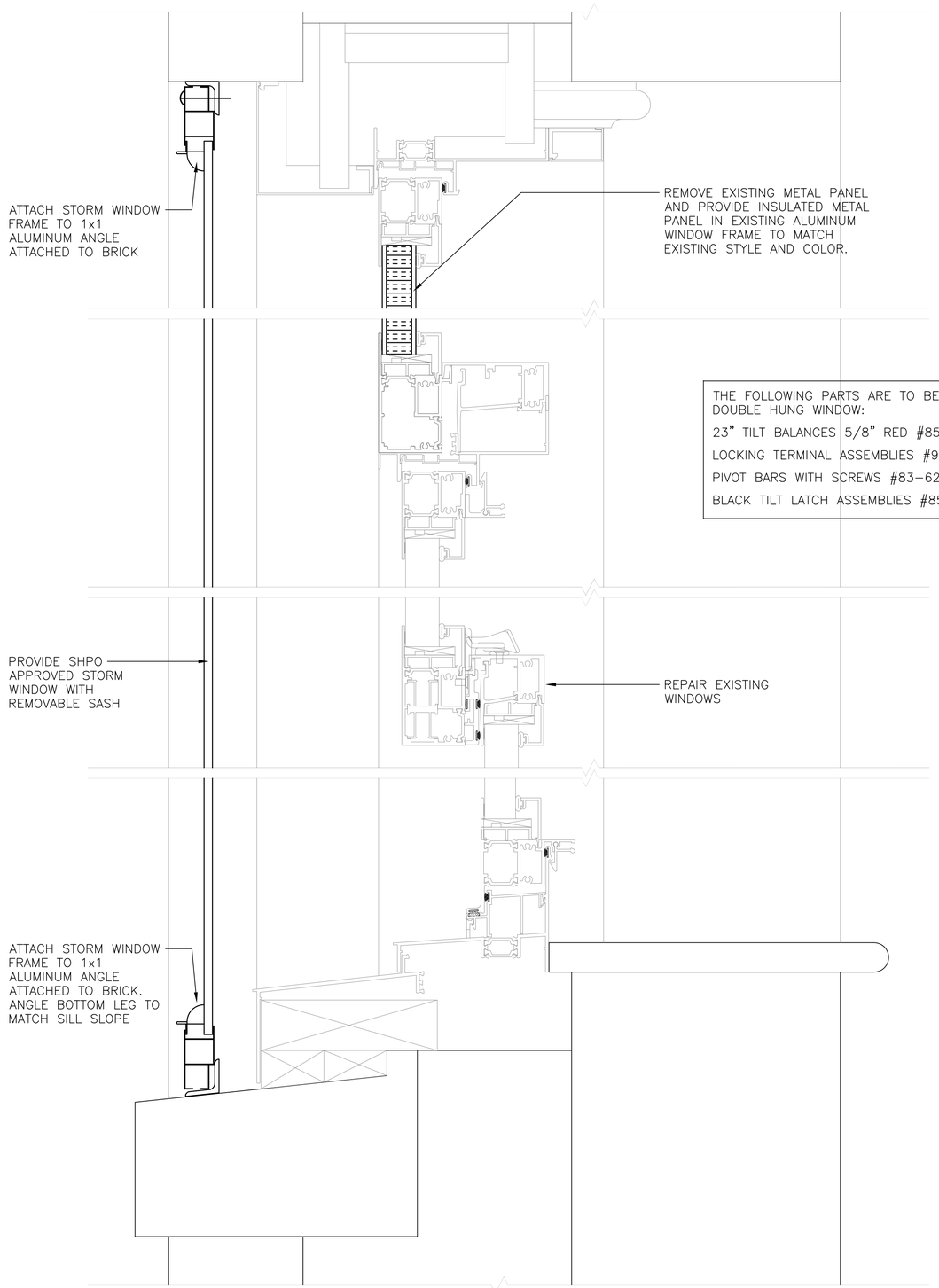
CONSTR. CONTR. NO.
N40085-14-D-2323

NAVFAC DRAWING NO.
12716914

SHEET 17 OF 22

A-504

DRAWFORM REVISION: 10 MARCH 2009



1 TYPICAL WINDOW HEAD/MEETING RAIL AND SILL DETAIL

0 ½ 1 2

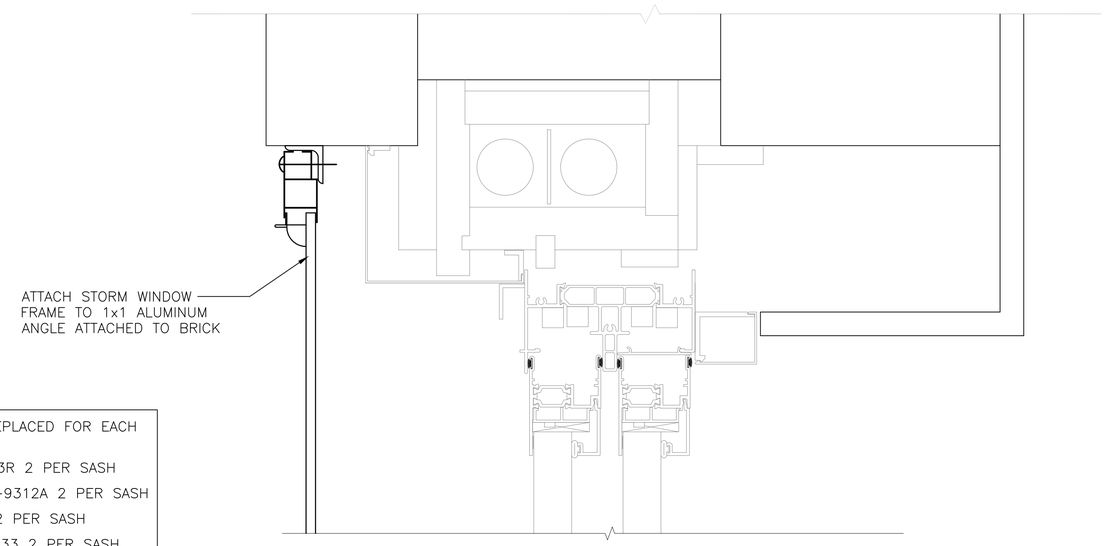
THE FOLLOWING PARTS ARE TO BE REPLACED FOR EACH DOUBLE HUNG WINDOW:

23" TILT BALANCES 5/8" RED #85-23R 2 PER SASH

LOCKING TERMINAL ASSEMBLIES #900-9312A 2 PER SASH

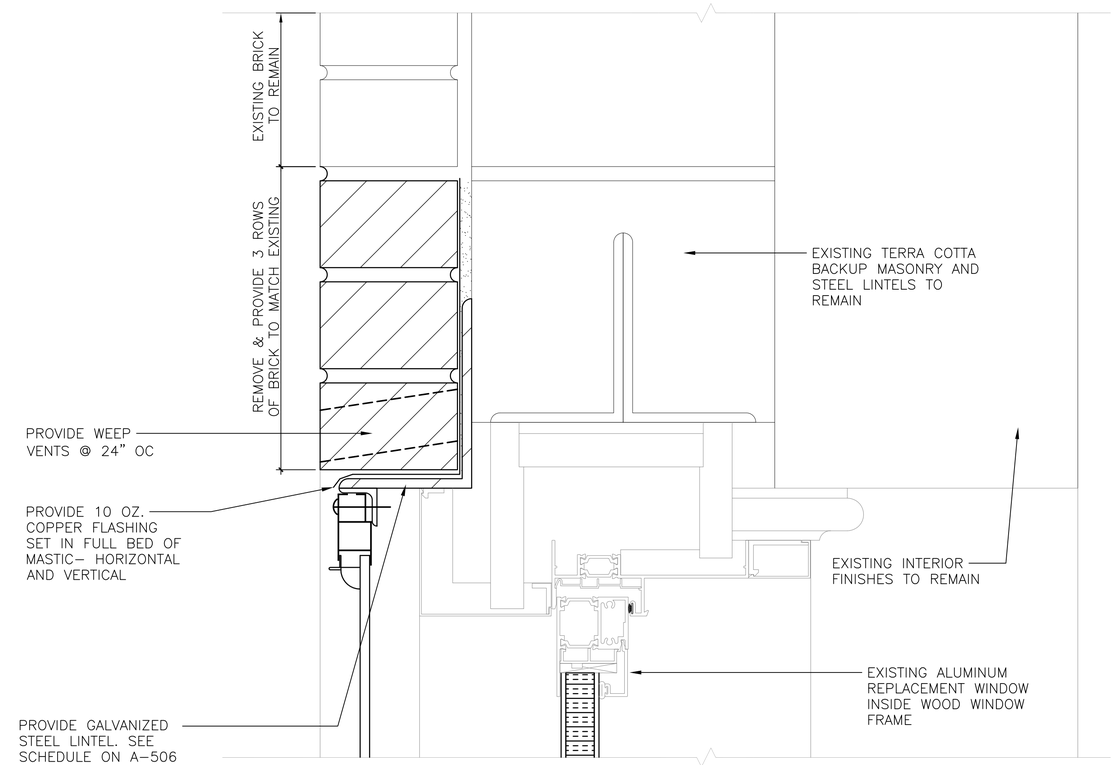
PIVOT BARS WITH SCREWS #83-628 2 PER SASH

BLACK TILT LATCH ASSEMBLIES #85-533 2 PER SASH



2 TYPICAL WINDOW JAMB DETAIL

0 ½ 1 2



3 TYPICAL WINDOW LINTEL REPLACEMENT DETAIL

0 ½ 1 2

SYM	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF CONNECTICUT AMES & WHITAKER, ARCHITECTS P.C. CERTIFICATE OF ARCHITECTURE

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AMES & WHITAKER Architects

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DES XXX DRW XXX CHK XXX

<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT

NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA

NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

WINDOW DETAILS

SCALE: AS NOTED

EPROJECT NO.: 1360886

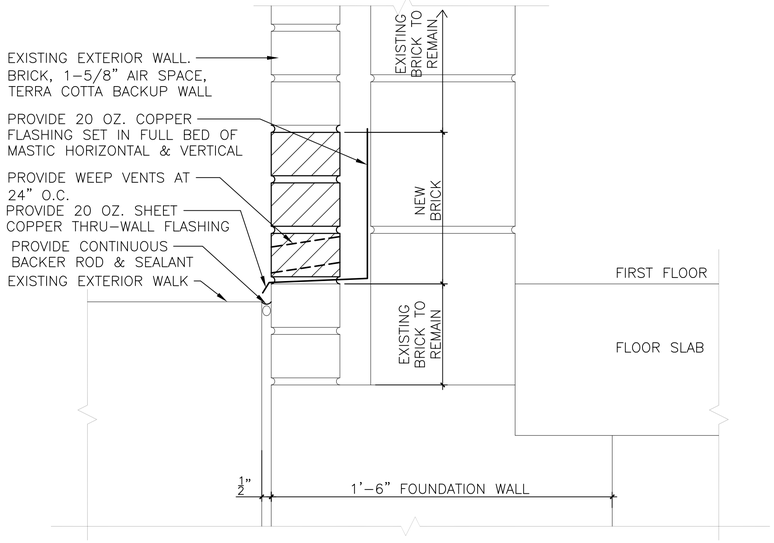
CONSTR. CONTR. NO. N40085-14-D-2323

NAVFAC DRAWING NO. 12716915

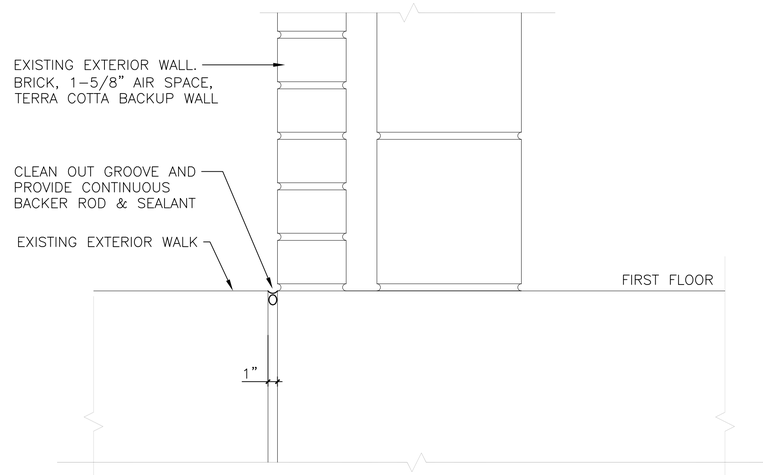
SHEET 18 OF 22

A-505

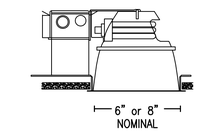
DRAWFORM REVISION: 10 MARCH 2009



1 WEST SIDE ENTRY STAIR LANDING 0 1



3 SOUTH SIDE ENTRY 0 1

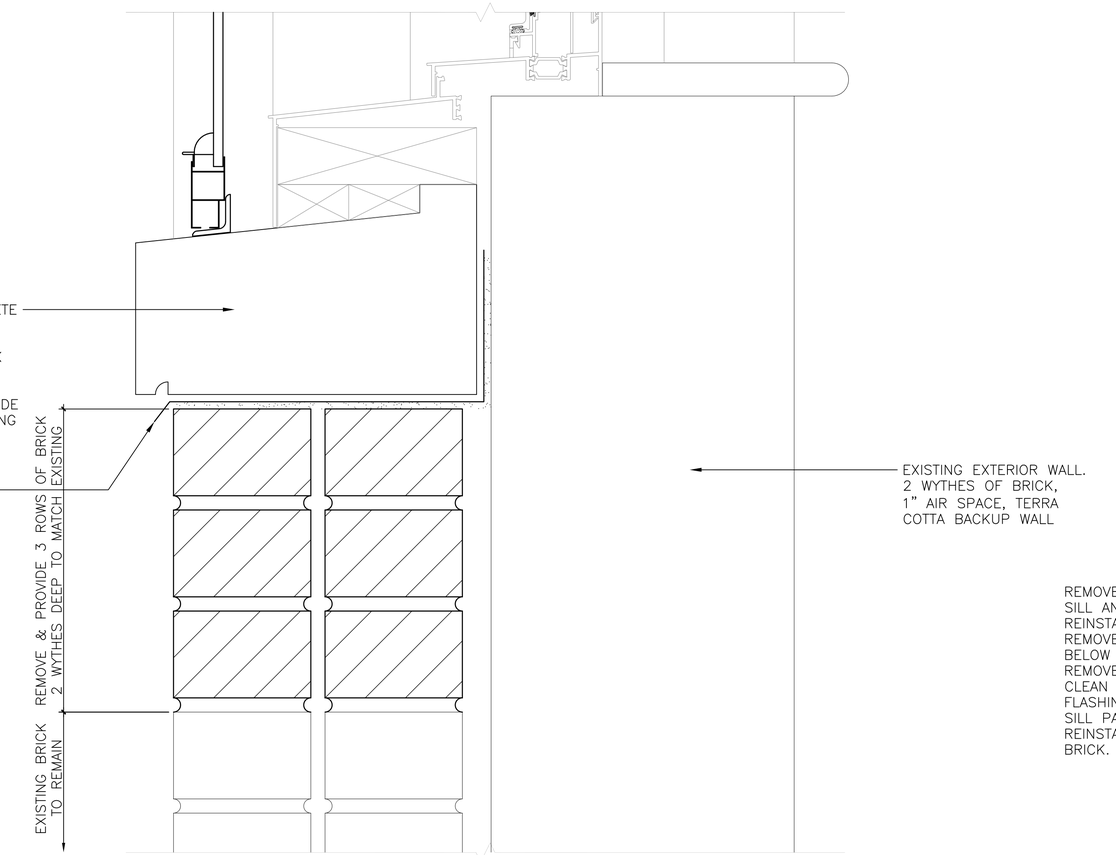


LUMINAIRE REQUIREMENTS:

1. HOUSING – ONE-PIECE, DIE-STAMPED, COLD ROLLED STEEL OR ACRYLIC-ENAMELED ALUMINUM. PROVIDE WITH PRE-WIRED JUNCTION BOX HAVING SNAP-ON ACCESS COVER. ACCESS TO JUNCTION BOX FROM BELOW CEILING SHALL BE PROVIDED THROUGH FIXTURE AFTER REMOVAL OF REFLECTOR.
2. REFLECTOR AND TRIM – ONE-PIECE, CLEAR, SPUN ALUMINUM, IRIDESCENCE-SUPRESSED, WITH PAINTED WHITE SELF TRIM.
3. BALLAST – CLASS P, MULTI-VOLT (120V-277V INPUT), HIGH POWER FACTOR (≥.95), PROGRAMMED RAPID START ELECTRONIC TYPE WITH ≤10% TOTAL HARMONIC DISTORTION. BALLAST SHALL BE CAPABLE OF UNIVERSALLY OPERATING 26W, 32W, OR 42 WATT LAMPS.
4. LAMPS – MULTI-TUBE, COMPACT FLUORESCENT WITH 4-PIN BASE. PROVIDE WITH WATTAGES AS INDICATED.
5. LENS – PRISMATIC PATTERN IN ACRYLIC
6. CERTIFICATION – UL LISTED AND LABELED.
7. FIXTURE TYPES –
   TYPE A – 6" NOMINAL APERTURE

RECESSED LENSED COMPACT FLUORESCENT DOWNLIGHT

REVISED:	AUGUST 2004	LIGHTING PLATE:	NL-33



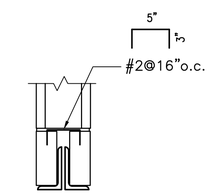
2 TYPICAL WINDOW SILL DETAIL 0 ½ 1 2

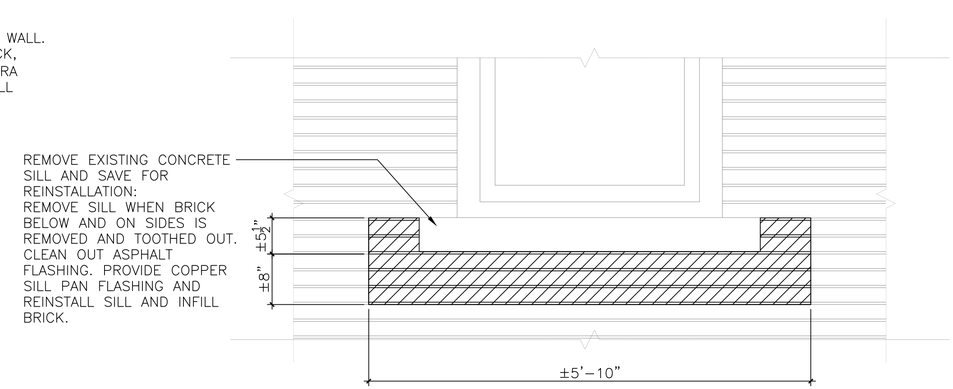
TYPICAL LOOSE ANGLE LINTEL SCHEDULE

NOTE = FOR SIZE OF LOOSE LINTELS WHERE NEEDED AND NOT CALLED FOR, PROVIDE 1 ANGLE FOR EVERY 4" OF MASONRY THICKNESS AS FOLLOWS (UP TO 7'-6" OP'GS.) U.O.N.

SPAN	LINTEL	NOTES
UP TO 4'-6"	$\angle 3\frac{1}{2}x3\frac{1}{2}x\frac{5}{16}$"	1. LENGTH OF LINTEL=OP'G. + 1'-4" (8" E.S.) 2. EXTERIOR LINTELS TO BE GALVANIZED 3. ALL DOUBLE JL B. TO B. OVER 5'-0" TO BE BOLTED OR WELDED
4'-6" TO 5'-6"	$\angle 4x3\frac{1}{2}x\frac{5}{16}$"	
5'-6" TO 6'-6"	$\angle 5x3\frac{1}{2}x\frac{5}{16}$"	
6'-6" TO 7'-6"	$\angle 6x3\frac{1}{2}x\frac{5}{16}$"	

1. COORDINATE WITH ARCHITECTURAL DWGS.
2. ENTIRE BEAM LINTEL ASSEMBLY TO BE HOT DIPPED GALVANIZED AT EXTERIOR WALLS.





4 WINDOW SILL ELEVATION DETAIL 0 1 2 3

SYM	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF CONNECTICUT AMES & WHITAKER, ARCHITECTS P.C. LICENSED PRACTICE OF ARCHITECTURE

SEAL

AMES & WHITAKER Architects
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS
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A/E INFO

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ACTIVITY

BID DOC SUBMISSION

SATISFACTORY TO DATE 03/22/16

DES XXX DRW XXX CHK XXX

<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST PT.

NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA

NAVAL STATION NEWPORT

NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

DETAILS

SCALE: AS NOTED

EPROJECT NO.: 1360886

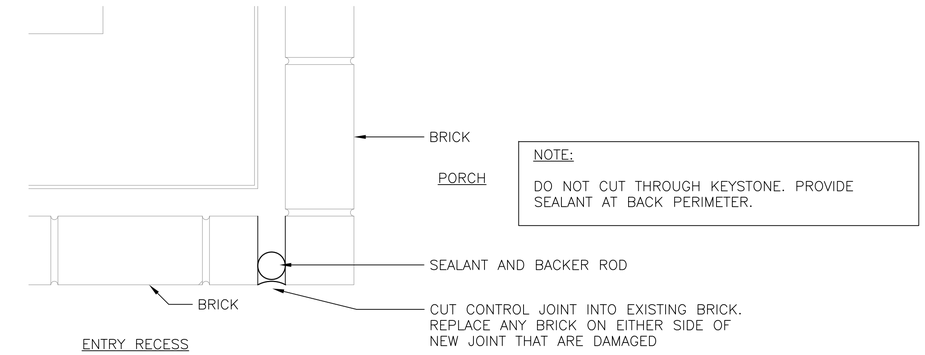
CONSTR. CONTR. NO. N40085-14-D-2323

NAVFAC DRAWING NO. 12716916

SHEET 19 OF 22

A-506

DRAWFORM REVISION: 10 MARCH 2009

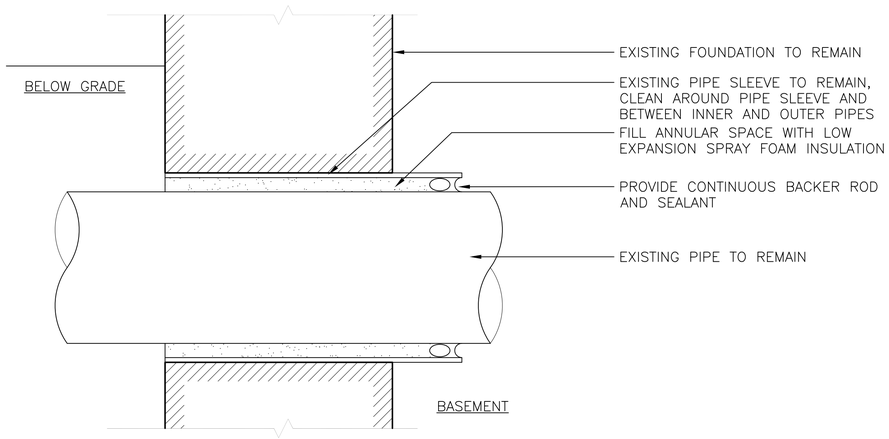


NOTE:

DO NOT CUT THROUGH KEYSTONE. PROVIDE SEALANT AT BACK PERIMETER.

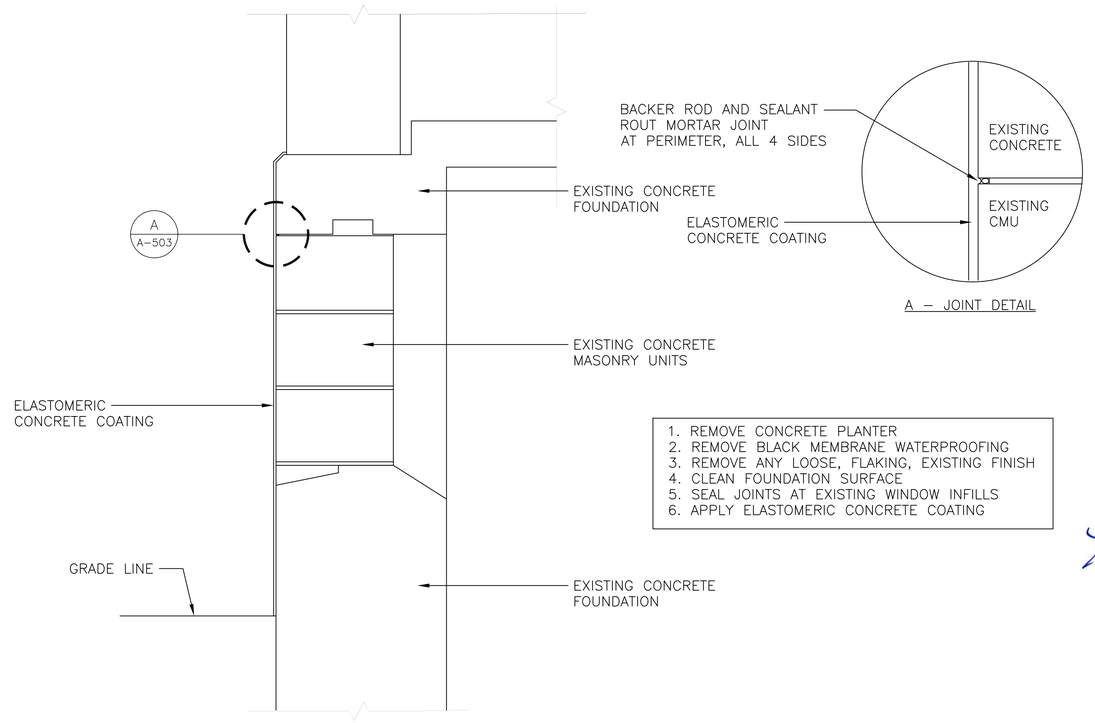
6 HEAD & PLAN DETAIL @ ARCHED WEST SIDE ENTRY

0 1



4 PIPE THROUGH FOUNDATION SEALANT DETAIL

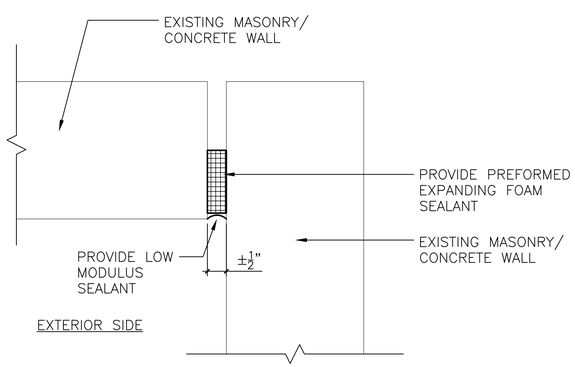
0 1



1. REMOVE CONCRETE PLANTER
2. REMOVE BLACK MEMBRANE WATERPROOFING
3. REMOVE ANY LOOSE, FLAKING, EXISTING FINISH
4. CLEAN FOUNDATION SURFACE
5. SEAL JOINTS AT EXISTING WINDOW INFILLS
6. APPLY ELASTOMERIC CONCRETE COATING

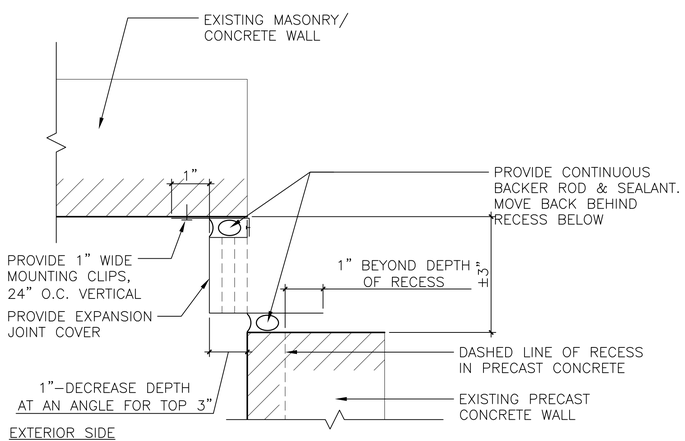
5 FOUNDATION WINDOW AND COATING DETAIL

0 1 2



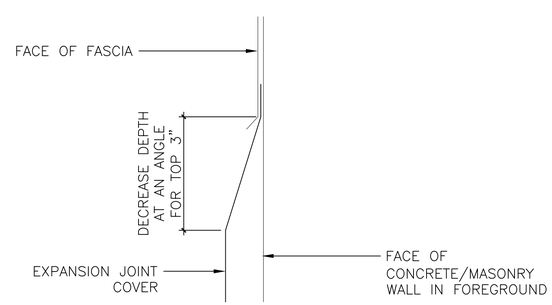
1 EXPANSION JOINT PLAN DETAIL

0 ½ 1 2



2 EAST ELEVATION – EXPANSION JOINT PLAN DETAIL

0 ½ 1 2



3 EAST ELEVATION – EXPANSION JOINT ELEVATION DETAIL

0 ½ 1 2

SYM	DESCRIPTION	DATE	APPR

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STATE OF CONNECTICUT — AMES & WHITAKER, ARCHITECTS P.C. — LICENSED TO PRACTICE ARCHITECTURE — No. 11

SEAL

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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

BID DOC SUBMISSION

SATISFACTORY TO DATE 03/22/16

DES XXX DRW XXX CHK XXX

<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST PT.

NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA

NAVAL STATION NEWPORT — NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

DETAILS

SCALE: AS NOTED

EPROJECT NO.: 1360886

CONSTR. CONTR. NO. N40085-14-D-2323

NAVFAC DRAWING NO. 12716917

SHEET 20 OF 22

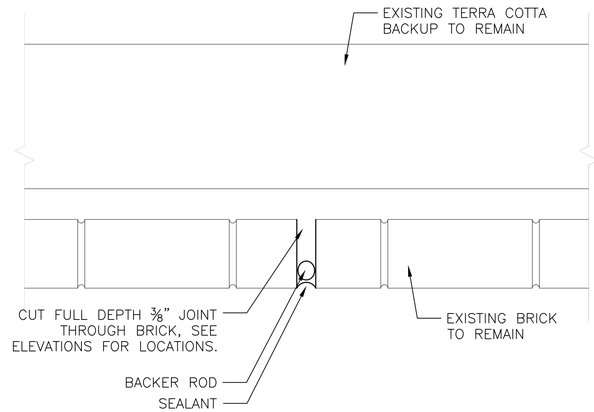
A-507

DRAWFORM REVISION: 10 MARCH 2009

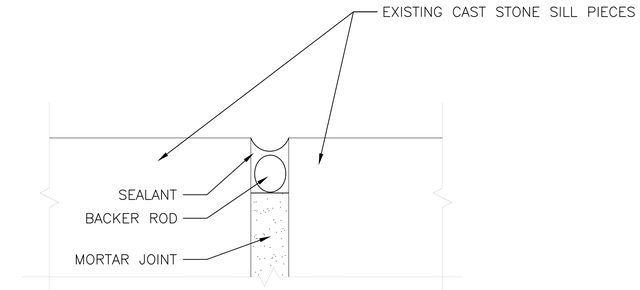
GYPSUM BOARD:
- ASTM C1396/C1396M
- PAPER FACING SHALL CONTAIN 100 PERCENT POST–CONSUMER RECYCLED PAPER CONTENT.
- 48 INCH WIDE, 5/8 INCH THICK, TAPERED EDGES.
- JOINT TREATMENT MATERIALS – ASTM C475/C 475M. USE ALL PURPOSE JOINT AND TEXTURING COMPOUND CONTAINING INERT FILLERS AND NATURAL BINDER, INCLUDING LIME COMPOUND. PRE–MIXED COMPOUNDS SHALL BE FREE OF ANTI–FREEZE, VINYL ADHESIVES, PRESRVATIVES, BIOCIDES AND OTHER SLOW RELEASING COMPOUNDS.
- JOINT TAPE –
  USE CROSS LAMINATED, TAPERED EDGE, REINFORCED PAPER, OR FIBER GLASS MESH TAPE RECOMMENDED BY THE MANUFACTURER
- FASTENERS – SCREWS
  ASTM C 1002, TYPE "G", TYPE "S" OR TYPE "W" STEEL DRILL SCREWS FOR FASTENING GYPSUM BOARD, WOOD FRAMING MEMBERS AND STEEL FRAMING MEMBERS LESS THAN 0.033 INCH THICK. ASTM C 954 STEEL DRILL SCREWS FOR FASTENING GYPSUM BOARD TO STEEL FRAMING MEMBERS 0.033 TO 0.112 INCH THICK. PROVIDE CEMENTITIOUS BACKER UNIT SCREWS WITH A POLYMER COATING.
- ADHESIVES –
  DO NOT USE ADHESIVE CONTAINING BENZENE, CARBON TETRACHLORIDE, OR TRICHLOROETHYLENE. ADHESIVE SHALL CONTAIN A MAXIMUM VOC CONTENT OF 50 GRAMS PER LITER.

WALL BASE:
CONFORM TO ASTM F 1861, TYPE TP (THERMOPLASTIC RUBBER), STYLE B (COVED). PROVIDE 4 INCH HIGH AND A MINIMUM 1/8 INCH THICK WALL BASE. PROVIDE JOB FORMED CORNERS IN MATCHING HEIGHT, SHAPE, AND COLOR. RUBBER SHALL CONTAIN A MINIMUM OF 10 PERCENT POST–CONSUMER RECYCLED MATERIAL.

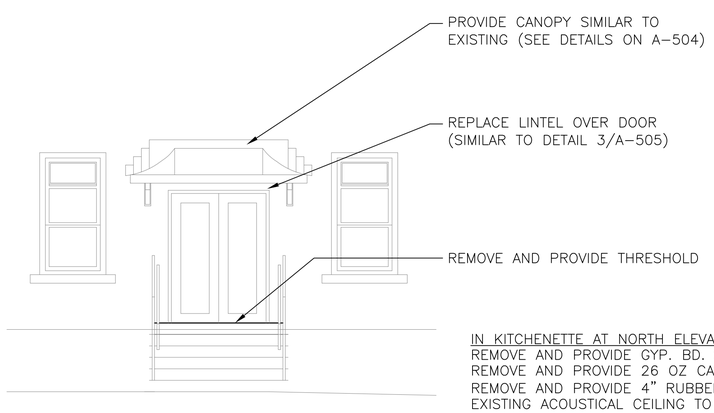
CARPET:
CARPET SHALL BE BROADLOOM.
MATCH EXISTING
GLUE DOWN INSTALLATION



3 EXPANSION JOINT 0 1

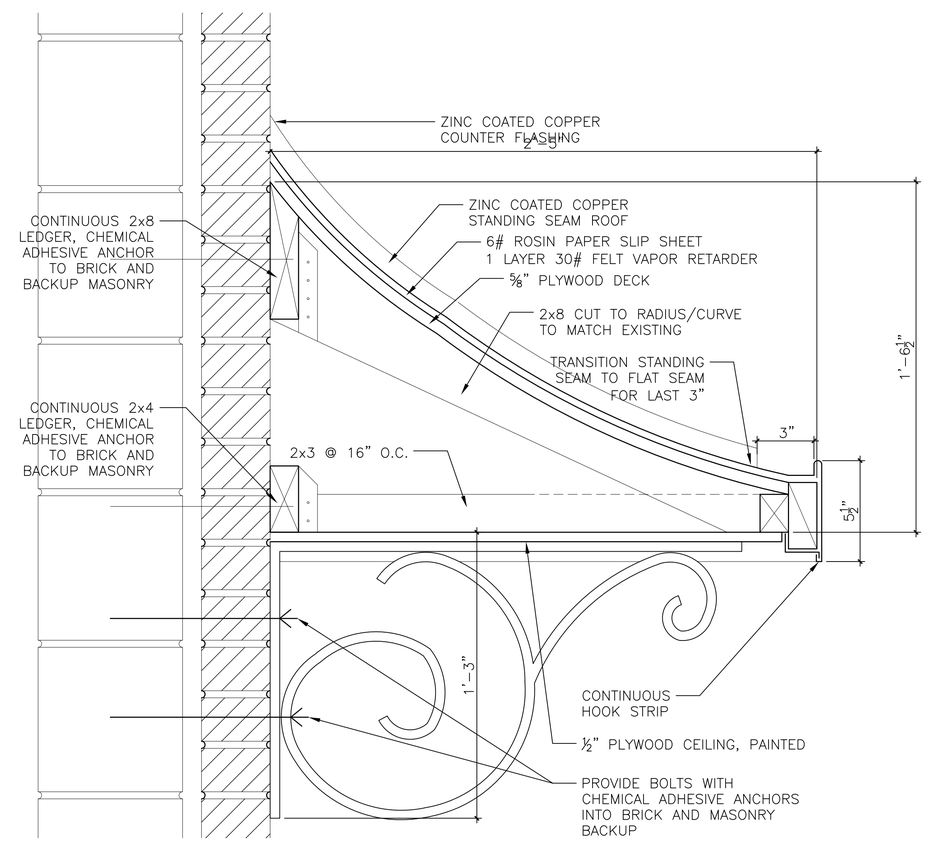


2 MULTI–PIECE CAST STONE WINDOW SILL DETAIL 0 ½ 1 2



IN KITCHENETTE AT NORTH ELEVATION:
REMOVE AND PROVIDE GYP. BD. SOFFIT AT DOOR
REMOVE AND PROVIDE 26 OZ CARPET TO MATCH EXISTING IN CORRIDOR
REMOVE AND PROVIDE 4" RUBBER BASE TO MATCH EXISTING IN CORRIDOR
EXISTING ACOUSTICAL CEILING TO REMAIN

1 NORTH ELEVATION – WEST WING 0 2 4 8



4 CANOPY SECTION 0 1

SYM	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF CONNECTICUT – JAMES R. WHITAKER, ARCHITECT – LICENSED TO PRACTICE ARCHITECTURE – No. 7-2-2-2

SEAL

AMES & WHITAKER Architects
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS
9 Liberty Road Washington, Connecticut 06793 (860) 868-0841 Fax (860) 868-0847

A/E INFO

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ACTIVITY
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SATISFACTORY TO DATE 03/22/16

DES RWS DRW CA CHK SP

<<PM/DM>> V. TOMA

BRANCH MANAGER

CHIEF ENG/ARCH

<<XXX>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST PT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT
NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

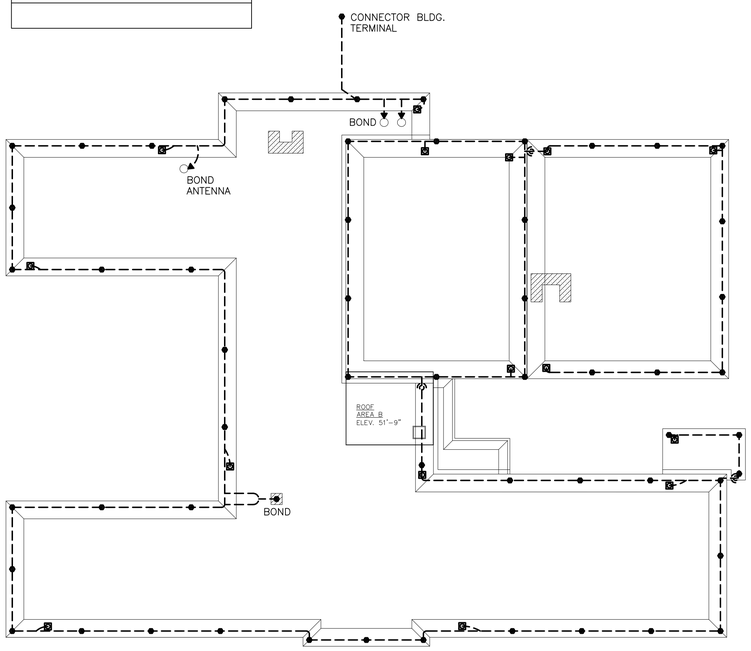
DETAILS

SCALE: AS NOTED
EPROJECT NO. 1360886
CONSTR. CONTR. NO. N40085–14–D–2323
NAVFAC DRAWING NO. 12716918
SHEET 21 OF 22

A-508

DRAWFORM REVISION: 10 MARCH 2009

LEGEND	
—	CONDUCTOR CABLE
⬢	AIR TERMINAL
▣	EXISTING THROUGH ROOF UNIT
©	DOWNLEAD EXPOSED ON WALL
▲	BOND



1 LP100 ROOF LIGHTNING PROTECTION PLAN

0 4' 8' 16' 32'

Scale: 1/16" = 1'-0"

NOTES:

1. METALS SHALL BE USED IN COMBINATIONS THAT ARE GALVANICALLY COMPATIBLE. ALUMINUM COMPONENTS SHALL NOT BE INSTALLED IN DIRECT CONTACT WITH BARE COPPER ROOFING MATERIALS/SURFACES, AND COPPER MATERIALS SHALL NOT BE INSTALLED IN DIRECT CONTACT WITH BARE ALUMINUM ROOFING MATERIALS/SURFACES. METALS ACCEPTABLE FOR USE WITH COPPER AND ALUMINUM ARE AS FOLLOWS:

   –METALS THAT ARE ACCEPTABLE FOR USE WITH COPPER: NICKEL, BRASS, TIN LEAD, STAINLESS STEEL, AND MONEL.

   –METALS THAT ARE ACCEPTABLE FOR USE WITH ALUMINUM: MAGNESIUM, ZINC, GALVANIZED STEEL, GALVALUM, STAINLESS STEEL, LEAD, AND WROUGHT IRON.

   –PAINT IS NOT CONSIDERED AN ACCEPTABLE STAND–OFF BETWEEN GALVANICALLY INCOMPATIBLE MATERIALS.

2. NEW MATERIALS SHALL BE COPPER, WITH THE EXCEPTION BEING WHERE NEW MATERIALS ARE IN CONTACT WITH EXISTING ALUMINUM CONDUCTORS AND COMPONENTS.

MATERIALS LIST

NEA24 - Cable 24 strands of 14 gauge (1.63mm) basket weave aluminum cable. 102 pounds per thousand feet (152 grams/meter). 98,640 circular mils (50mm²) of conductivity. Exceeds Class I requirements. UL Listed.

NEC29 - Cable 29 strands of 17 gauge (1.15mm) basket weave copper cable. 192 pounds per thousand feet (286 grams/meter). 59,450 circular mils (30mm²) of conductivity. Exceeds Class I requirements. UL Listed.

NEAT15AB - Air Terminal
Class I – ALUMINUM $\frac{1}{2}$"X15" (12.7mmX381mm)
$\frac{1}{2}$" (12.7mm) diameter, threaded base, UL listed.
NEAT15CB - Class I – COPPER $\frac{3}{8}$"X15" (9.5mmX381mm)
$\frac{3}{8}$" (9.5mm) diameter, threaded base, UL listed.

NEBB3A - Adhesive Base An aluminum base suitable for use on built–up, single membrane, or other roof surfaces where all mechanical penetrations must be avoided. For use with adhesives compatible to roof surface. $4\frac{1}{2}$" x 4" (10.8cm x 10.2cm); approximately 6 oz. (170 grams).
NEBB3B - Cast bronze; approximately 16 oz. (454 grams).

NEBB1A - Ridge Saddle
An aluminum malleable base which easily forms to ridges and other contoured surfaces. 8"X2" (203mmX51mm); approximately 4 oz. (113 grams).
NEBB1B - bronze; approximately 12 oz. (340 grams).

NEPM1A - Aluminum Point Mount
Cast aluminum holder, $3\frac{1}{4}$" (8.26cm) diameter; approximately 2.25 oz (64 grams).
NEPM1B - Bronze 6.75 oz (191 grams)

NEPF1A - Stamped Crimp Aluminum Parallel Splice.
Crimp in line abutting cable splicer
NEPF1C - Stamped Copper

NEPF2A - Stamped Crimp Aluminum "Tee" Splice.
Crimp perpendicularly dissecting cable splicer.
NEPF2C - Stamped Copper

NEPF3A - Stamped Crimp Aluminum Splice.
Crimp in line abutting cable splicer
NEPF3C - Stamped Copper

NEBF8A - 2-Way Bonding Plate
Cast aluminum, 8–square–inch bonding plate $2\frac{1}{8}$"X4" (52.4mmX101.6mm); approximately 3.8 oz. (108 grams).
NEBF8B - Cast bronze; approximately 10.3 oz. (292 grams).

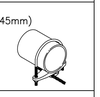
NEBF9A - Bonding Clamp
Cast aluminum, 4–square–inch bonding clamp with bolt pressure cable holder. Approximately 3 oz. (85 grams).
NEBF9B - Cast bronze,
Approximately 9 oz. (255 grams).

NEBF16A - Bonding Plate
Cast aluminum secondary bonding plate. $1\frac{7}{8}$"X$2\frac{1}{2}$" (47.63mmX63.5mm); approximately 2.6 oz. (73.7 grams).
NEBF16B - Cast bronze; approximately 7.1 oz. (201 grams).

NEBF1AX$\frac{1}{2}$ - Round to Round "Spin On"
Cast aluminum bottom and two–way cap with $\frac{1}{2}$" diameter threaded hole for joining cable to threaded rod. Bottom is drilled and threaded for $\frac{1}{2}$"–13 (12.7mm). Stainless steel nut and washer included. $1\frac{5}{16}$" x $1\frac{3}{4}$" (39.7mmX44.45mm); approx. 2.3 oz. (85 grams).
NEBF1BX$\frac{1}{2}$ - Cast bronze; approximately 6.8 oz. (193 grams).

NEBM3 - Bimetallic 4-Bolt Straight Splicer
For joining aluminum and copper cables. $3\frac{1}{2}$"X$\frac{3}{4}$" (89mmX19mm) hex; approximately 6 oz. (170 grams).

NEBM100 - Bimetallic Round To Round Patent Pending
Cast bimetallic clamp for joining 2 dissimilar cables. $\frac{1}{2}$Aluminum, $\frac{1}{2}$bronze and a stainless steel spacer. Specifically for cable splices on single membrane roofs. $1\frac{5}{16}$"X$1\frac{3}{4}$" (39.69mmX44.45mm); approximately 6 oz. (170 grams).



NEPC"UA - U-Bolt Clamp
Cast aluminum pipe clamp. Fits up to 6.75" (171.45mm) O.D. pipe. Stainless steel U–bolt, nuts and washers. From 5oz. (142 grams) to 14 oz. (397 grams).
NEPC"UB - From 9oz. (255 grams) to 2 lbs. 5.4 oz. (1060 grams).

NEGC3/4 - Ground Rod Clamp
Cast bronze, cable to $\frac{3}{4}$" (19.1mm) ground rod, clamp.
Approximately 9 oz. (255 grams).
NEGR4 - Copper clad steel rod
$\frac{3}{4}$"X10' (19.1mmX3.05m)

NEFL2A - Fastener Loop
$\frac{1}{4}$" hole, Medium stamped aluminum loop.
Use with class I conductors.
NEFL2C - stamped copper loop.

NEFL4A - Stamped Adhesive Crimp Aluminum Loop.
For use on built–up, single membrane or other flat roof surfaces where mechanical penetrations must be avoided. Use with adhesives compatible to roof surface. $2\frac{1}{4}$"X$3\frac{1}{2}$" (57mmX89mm); approximately .8 oz (23 grams).
NEFL4C - Stamped Copper Loop. approximately 1.4 oz (40 grams).

NORTH

SYM	DESCRIPTION	DATE	APPR.

NAVFAC

PRELIMINARY NOT FOR CONSTRUCTION

SEAL

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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
Bid Set

SATISFACTORY TO DATE 03/22/16

DES JGB	DRW JGB	CHK JGB	
<<PM/DM>>	V. TOMA		
BRANCH MANAGER	XX		
CHIEF ENG/ARCH	XXX		
<<XXX>>	XX		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL STATION – NORFOLK, VIRGINIA
NAVAL STATION NEWPORT NEWPORT, RI

BUILDING 43 NAVY HOSPITAL
EXTERIOR REPAIRS

LIGHTNING PROTECTION PLAN AND DETAILS

SCALE:	AS NOTED
EPROJECT NO.:	1360886
CONSTR. CONTR. NO.	######-##-#-####
NAVFAC DRAWING NO.	12716919
SHEET	22 OF 22

LP-100

DRAWFORM REVISION: 10 MARCH 2009