

THIS DRAWING
IS NOT IN
CONTRACT

TRUSS FRAMING PLAN-AREA "A"
1/8"=1'-0"



GENERAL STRUCTURAL NOTES

A. FOR GENERAL STRUCTURAL NOTES SEE DRAWINGS S-001 & S-002.

B. CONTRACTOR TO COORDINATE LIGHT GAUGE TRUSS SYSTEMS WITH MANUFACTURER AND THE CONTRACT DOCUMENTS.

C. LAYOUT FRAMING PLAN REPRESENTED ON THIS DRAWING IS SCHEMATIC. FINAL DESIGN IS THE RESPONSIBILITY OF THE LIGHT GAUGE TRUSS DESIGNER AND MANUFACTURER. MAXIMUM TRUSS SPACING IS 4'-0" O.C.

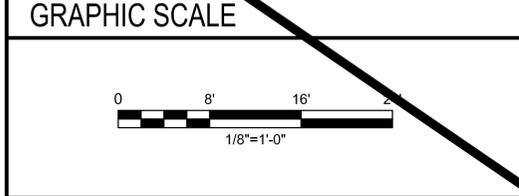
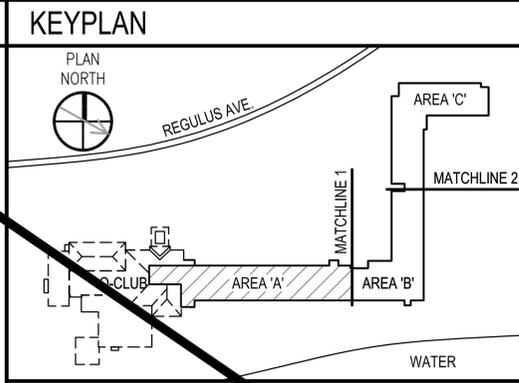
D. TRUSS DESIGNER AND MANUFACTURER SHALL DESIGN AND PROVIDE ALL REQUIRED TRUSS BRACING AND BLOCKING.

E. TRUSS DESIGNER SHALL BE RESPONSIBLE FOR ALL TRUSS-TO-TRUSS CONNECTIONS AND TRUSS TO SUPPORT STEEL CONNECTIONS.

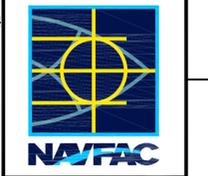
- SHEET KEYED NOTES**
1. ROOF RIDGE LINE
 2. ROOF HIP LINE
 3. HIP JACK TRUSS
 4. GIRDER TRUSS
 5. TRUSS SUPPORT BEAM, BELOW (TYP)
 6. HSS4x4x1/4 SUPPORT POST, TYP. SEE C3 ON S-501 FOR BASE DETAIL.
 7. AISC STANDARD 3/8" SHEAR PLATE CONNECTION AT ALL BEAM TO BEAM CONNECTIONS, TYP
 8. BEAM SPLICES SHALL OCCUR OVER POSTS, TYP
 9. ROOF VALLEY LINE
 10. ROOF VALLEY TRUSS

LEGEND

INDICATES METAL ROOF DECK SYSTEM, SEE GENERAL NOTES ON S-001 & S-002.



NO.	DESCRIPTION	DATE	APP'D.
2	METAL TRUSS SCOPE REMOVED	02/17/16	
1	TITLE BLOCK REVISIONS		



CH2MHILL
CLARK • NEXSEN
(a joint venture)

5701 Cleveland Street
Suite 200
Virginia Beach, VA 23462

APPROVED

FIR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 12/10/15

DES MP DRW JRP CHK MR

BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA

**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**

TRUSS FRAMING PLAN AREA "A"

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

PROJECT NO.: 1308656

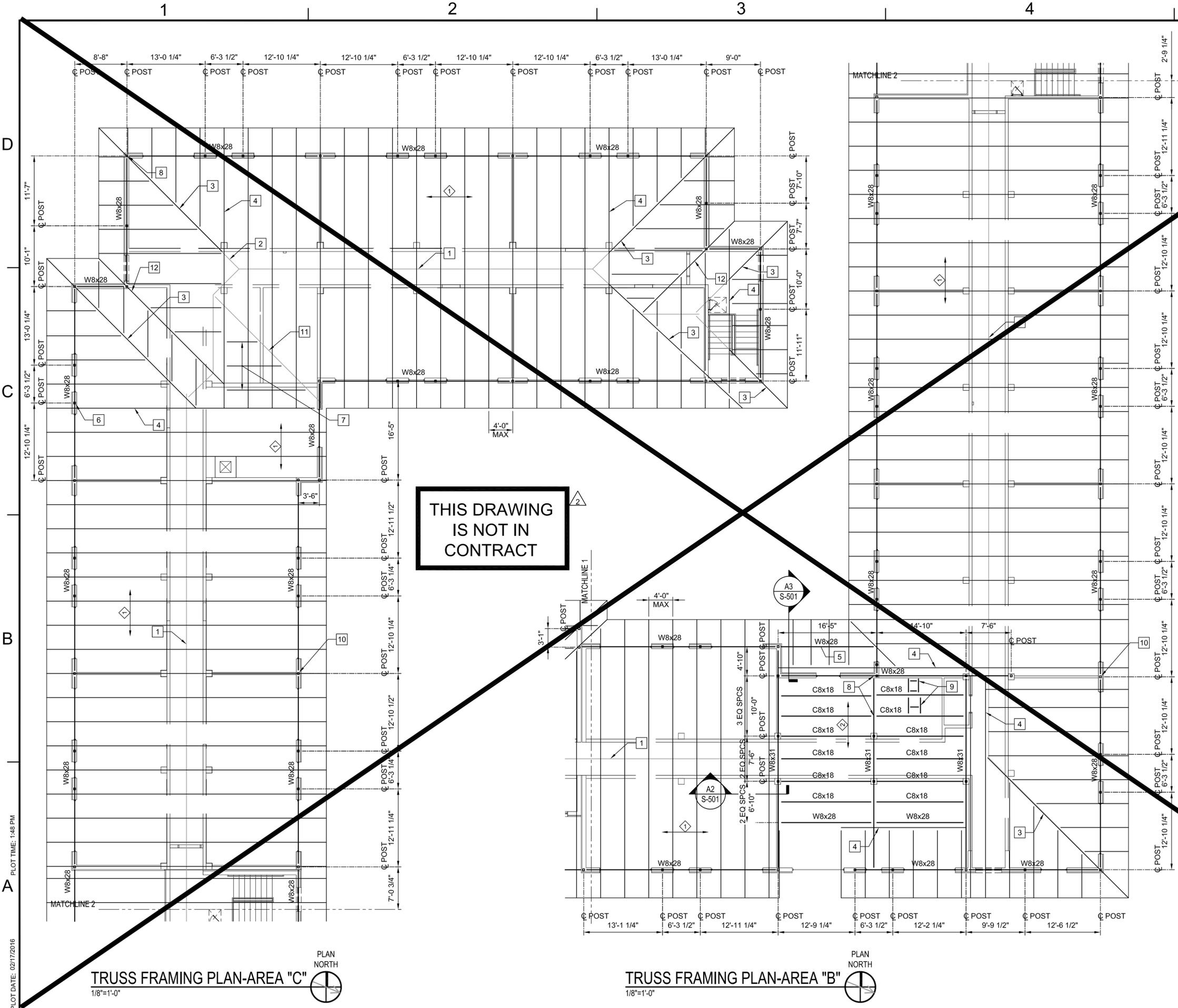
CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12704539

SHEET 10 OF 252

SF101

PLOT DATE: 02/17/2016 PLOT TIME: 1:47 PM



GENERAL STRUCTURAL NOTES

- A. FOR GENERAL STRUCTURAL NOTES SEE DRAWINGS S-001 & S-002.
- B. CONTRACTOR TO COORDINATE LIGHT GAUGE TRUSS SYSTEMS WITH MANUFACTURER AND THE CONTRACT DOCUMENTS.
- C. LAYOUT FRAMING PLAN REPRESENTED ON THIS DRAWING IS SCHEMATIC. FINAL DESIGN IS THE RESPONSIBILITY OF THE LIGHT GAUGE TRUSS DESIGNER AND MANUFACTURER. MAXIMUM TRUSS SPACING IS 4'-0" O.C.
- D. TRUSS DESIGNER AND MANUFACTURER SHALL DESIGN AND PROVIDE ALL REQUIRED TRUSS BRACING AND BLOCKING.
- E. TRUSS DESIGNER SHALL BE RESPONSIBLE FOR ALL TRUSS TO TRUSS CONNECTIONS AND TRUSS TO SUPPORT STEEL CONNECTIONS.

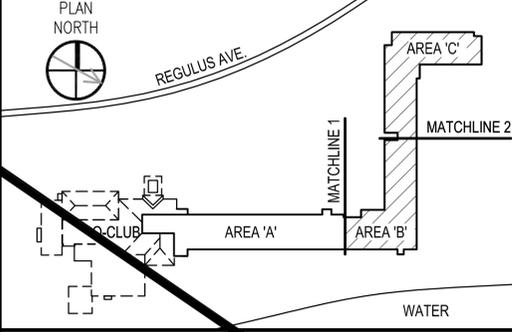
SHEET KEYED NOTES

- 1. ROOF RIDGE LINE
- 2. ROOF HIP LINE
- 3. HIP JACK TRUSS
- 4. GIRDER TRUSS
- 5. TRUSS SUPPORT BEAM, BELOW (TYP)
- 6. HSS4x4x1/4 SUPPORT POST, TYP. SEE C3 ON S-501 FOR BASE DETAIL.
- 7. TRUSS OVERFRAMING
- 8. AISC STANDARD 3/8" SHEAR PLATE CONNECTION AT ALL BEAM TO BEAM CONNECTIONS
- 9. FRAME SLAB OPENING WITH C8x11 CHANNELS. REFER TO MECHANICAL FOR SIZE AND LOCATION.
- 10. BEAM SPLICES SHALL OCCUR OVER POSTS, TYP.
- 11. ROOF VALLEY LINE
- 12. ROOF VALLEY TRUSS

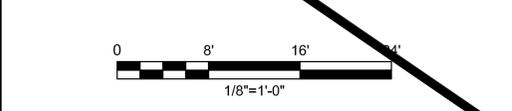
LEGEND

- INDICATES METAL ROOF DECK SYSTEM, SEE GENERAL NOTES ON S-001 & S-002.
- INDICATES 1 1/2" COMPOSITE METAL DECK W/2" CONCRETE COVER REINFORCE W/6x6-W1.4/W1.4 WWF. SEE GENERAL NOTES ON S-001 & S-002.

KEYPLAN



GRAPHIC SCALE



THIS DRAWING IS NOT IN CONTRACT

TRUSS FRAMING PLAN-AREA "C"
1/8"=1'-0"

TRUSS FRAMING PLAN-AREA "B"
1/8"=1'-0"

NO.	DESCRIPTION	DATE
2	METAL TRUSS SCOPE REMOVED	02/17/16
1	TITLE BLOCK REVISIONS	



CH2MHILL CLARK NEXSEN
(a joint venture)
5701 Cleveland Street
Suite 200
Virginia Beach, VA 23462

APPROVED	A/E INFO
FIR COMMANDER NAVFAC	ACTIVITY
SATISFACTORY TO DATE	12/10/15
DES MP	DRW JRP
CHK MR	
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**
TRUSS FRAMING PLANS AREAS "B" & "C"

SCALE:	1/8"=1'-0"
PROJECT NO.:	12704540
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	
SHEET 11 OF 252	
SF102	

D

C

B

A

D

C

B

A

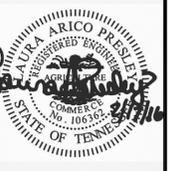
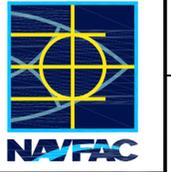
GENERAL STRUCTURAL NOTES

- A. FOR GENERAL STRUCTURAL NOTES SEE DRAWINGS S-001 & S-002.
- B. CONTRACTOR TO COORDINATE LIGHT GAUGE TRUSS SYSTEMS WITH MANUFACTURER AND THE CONTRACT DOCUMENTS.
- C. LAYOUT FRAMING PLAN REPRESENTED ON THIS DRAWING IS SCHEMATIC. FINAL DESIGN IS THE RESPONSIBILITY OF THE LIGHT GAUGE TRUSS DESIGNER AND MANUFACTURER. MAXIMUM TRUSS SPACING IS 4'-0" O.C.
- D. TRUSS DESIGNER AND MANUFACTURER SHALL DESIGN AND PROVIDE ALL REQUIRED TRUSS BRACING AND BLOCKING.
- E. TRUSS DESIGNER SHALL BE RESPONSIBLE FOR ALL TRUSS-TO-TRUSS CONNECTIONS AND TRUSS TO SUPPORT STEEL CONNECTIONS.

REV	DESCRIPTION	DATE
2	METAL TRUSS SCOPE REMOVED	02/17/16
1	TITLE BLOCK REVISIONS	

SHEET KEYED NOTES

- 1. ROOF RIDGE LINE
- 2. NOT USED
- 3. HIP JACK TRUSS
- 4. GIRDER TRUSS
- 5. NOT USED
- 6. HSS4x4x1/4 SUPPORT POST. TYP. SEE DETAIL C3/S-501 FOR BASE CONNECTIONS. SEE DETAIL C5/S-501 FOR BEAM TO COLUMN CONNECTIONS.
- 7. NOT USED
- 8. AISC STANDARD 3/8" SHEAR PLATE CONNECTION AT ALL BEAM TO BEAM CONNECTIONS.
- 9. FRAME SLAB OPENING WITH C8x11 CHANNELS. REFER TO MECHANICAL FOR SIZE AND LOCATION.
- 10. COLD-FORMED STUD SHEAR WALLS BELOW. CONTRACTOR SHALL DESIGN COLD-FORM STEEL FRAMING PER THE REQUIREMENTS OF THE SPECIFICATION, GENERAL NOTES AND DETAILS ON S-502.



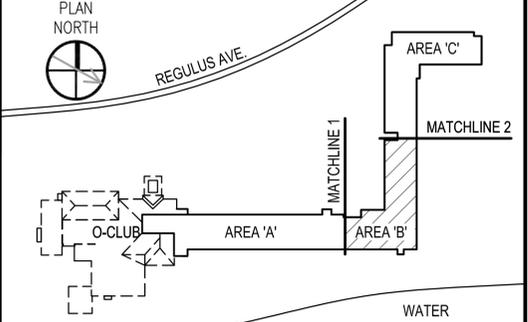
CH2MHILL
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Suite 200
Virginia Beach, VA 23462

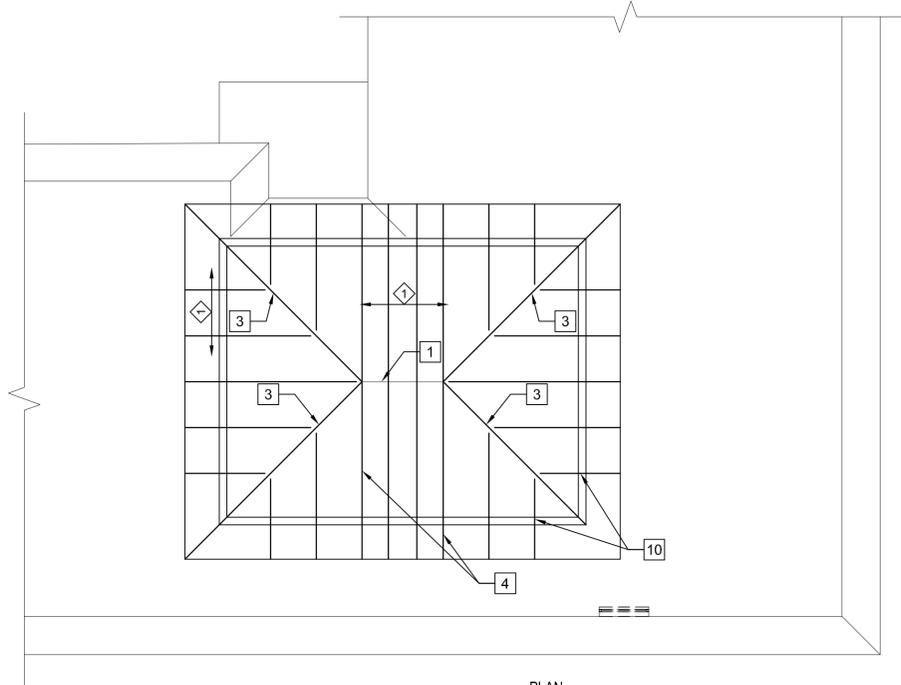
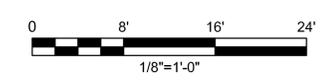
LEGEND

- INDICATES METAL ROOF DECK SYSTEM, SEE GENERAL NOTES ON S-001 & S-002.
- INDICATES 1 1/2" COMPOSITE METAL DECK W/2" CONCRETE COVER, REINFORCE W/6x6-W1.4/W1.4 WWF. SEE GENERAL NOTES ON S-001 & S-002.

KEYPLAN

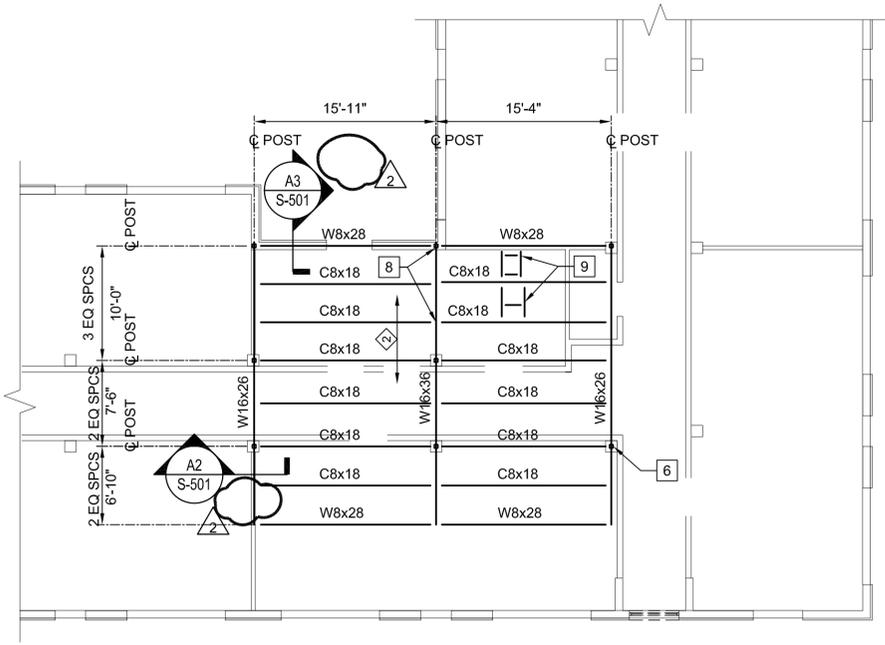


GRAPHIC SCALE



PENTHOUSE TRUSS FRAMING PLAN-AREA "B"

1/8"=1'-0"



PENTHOUSE FLOOR PLAN WITHOUT ROOF OVERFRAMING-AREA "B"

1/8"=1'-0"



PLOT DATE: 02/17/2016 PLOT TIME: 1:49 PM

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA

REGULUS AVE.

O-CLUB

AREA 'A'

AREA 'B'

AREA 'C'

MATCHLINE 1

MATCHLINE 2

WATER

REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX

TRUSS & FLOOR PLANS AREA "B"

SCALE:	1/8"=1'-0"
PROJECT NO.:	1308656
CONSTR. CONTR. NO.:	
NAVFAC DRAWINGS NO.:	12704541
SHEET 12 OF 252	
SF103	

1

2

3

4

5

D

C

B

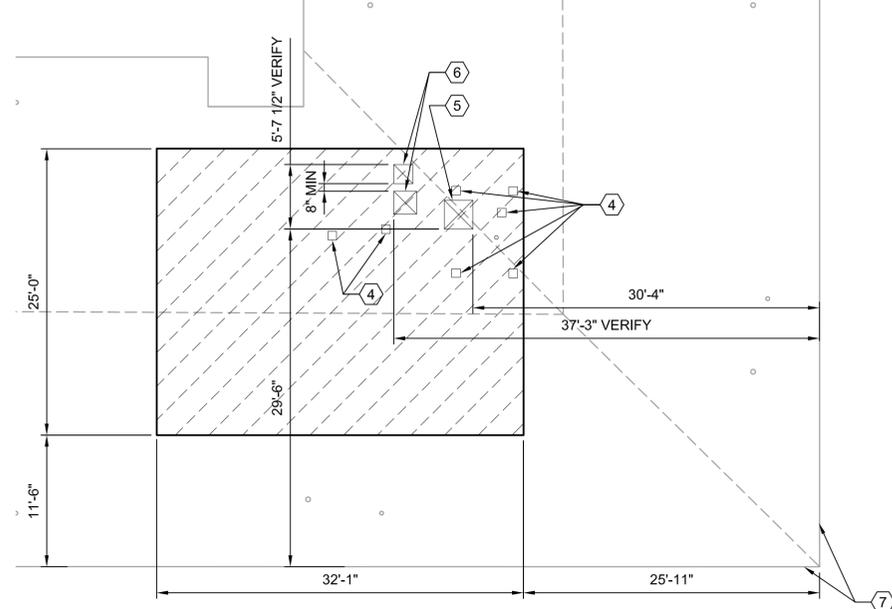
A

D

C

B

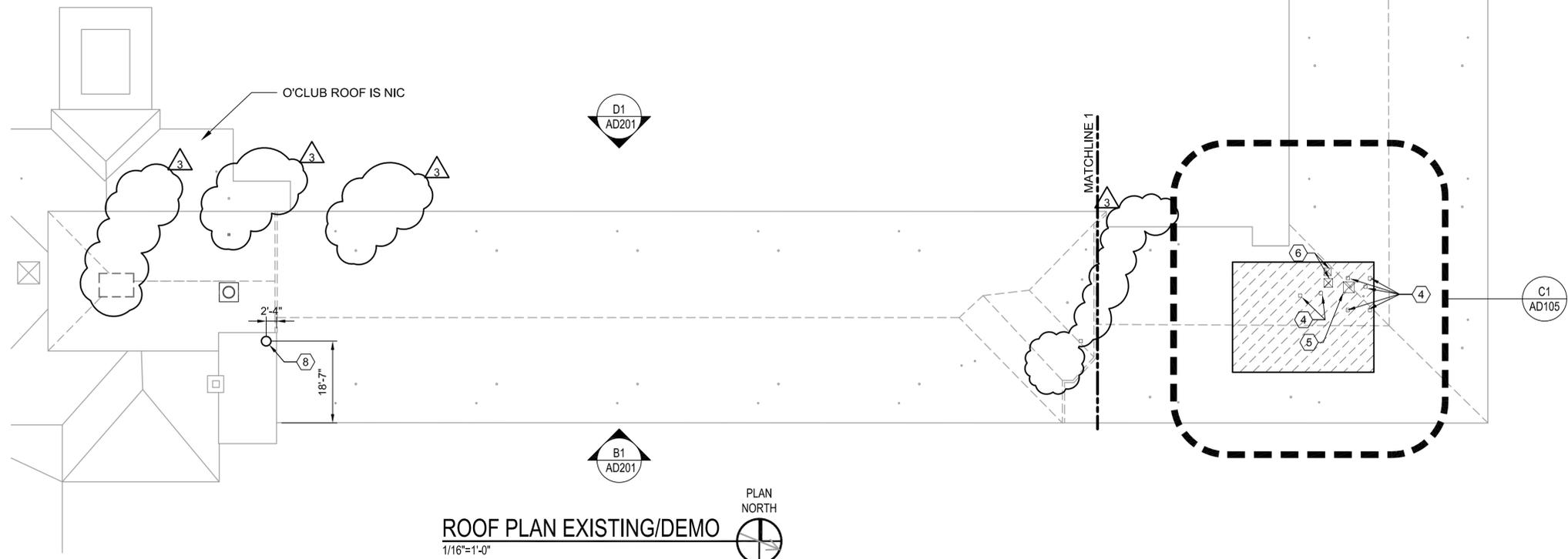
A



PENTHOUSE PLAN

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

AD105
AD106



ROOF PLAN EXISTING/DEMO

1/16" = 1'-0"



GENERAL DEMOLITION NOTES

- A. ALL DEMOLITION DEBRIS SHALL BE SEPARATED BY TYPE FOR RECYCLING TO COMPLY WITH LEED REQUIREMENTS.
- B. COORDINATE HAZARDOUS MATERIAL WORK WITH THE HAZARDOUS MATERIAL REPORT.
- C. REMOVE BUILT-UP ROOFING AND INSULATION DOWN TO CONCRETE DECK WHERE INDICATED. REPAIR ALL DAMAGE AREAS CAUSED BY DEMOLITION AND FILL-IN PENETRATIONS LEFT FROM DEMOLITION OF VENT PIPES AND EQUIPMENT WITH CONCRETE. SEE ROOF PLANS FOR LOCATION AND DIMENSION OF AREA TO BE STRIPPED.
- D. TIE-IN NEW WORK TO EXISTING ROOFING. FILL-IN ANY OPENINGS AT EQUIPMENT REMOVED PRIOR TO PATCHING ROOF.
- E. DEMOLITION SHOWN ON THIS SHEET APPLIES TO ROOFING SHOWN ON SHEET AE105.

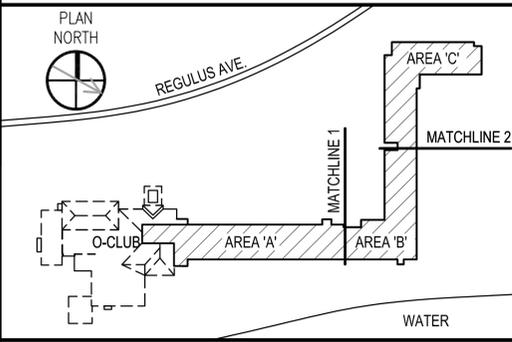
SHEET KEYED NOTES

- 1. NOT USED.
- 2. NOT USED.
- 3. NOT USED
- 4. REMOVE 8" X 8" PITCH POCKETS AND ABANDONED EQUIPMENT WITHIN THE FOOTPRINT OF THE NEW MECHANICAL PENTHOUSE. FILL-IN HOLES THAT ARE LEFT AFTER DEMOLITION WITH CONCRETE.
- 5. SAW-CUT OPENING IN CONCRETE SLAB FOR 40" X 40" 1 HR FIRE RATED FLOOR DOOR. SEE SB401 FOR REINFORCING.
- 6. SAW-CUT OPENING IN CONCRETE SLAB FOR DUCT PENETRATIONS. VERIFY DIMENSIONS SHOWN, OPENINGS TO ALIGN WITH OPENINGS AT SECOND FLOOR. SEE MECHANICAL DRAWINGS FOR SIZE AND CONFIRM REQUIRED CLEARANCES. SEE STRUCTURAL DRAWINGS FOR REINFORCING.
- 7. DIMENSION IS TO OUT EDGE OF ROOF OVERHANG.
- 8. SAW-CUT OPENING IN CONCRETE SLAB FOR 24" DIA. STEEL CHUTE LINER PENETRATION. COORDINATE SIZE WITH MANUFACTURER FOR CLEARANCES AND SEE SB401 FOR REINFORCING.

LEGEND

- FILL OPENING WITH CONCRETE.
- ROOFING TO BE REMOVED

KEYPLAN



GRAPHIC SCALE

NO.	DESCRIPTION	DATE
3	METAL ROOF SCOPE REMOVAL	02/17/16
2	TITLE BLOCK REVISIONS	
1	MECH OPENINGS RELOCATED	



5701 Cleveland Street
Suite 200
Virginia Beach, VA 23462

APPROVED

FIR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 12/10/15

DES TJE Draw TJE Chk SHR

BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
VIRGINIA BEACH, VA
REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX
ROOF DEMOLITION PLAN

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

EPROJCT NO.: 1308656

CONSTR. CONTR. NO.

NAVFAC DRAWINGS NO. 12704551

SHEET 22 OF 252

AD105

FINAL DESIGN

PLOT DATE: 02/17/2016
PLOT TIME: 2:03 PM

495211

PLOT DATE: \$PLOTDATE

PLOT TIME: \$PLOTTIME

DRAWING REVISIONS TO MARCH 2009

THIS DRAWING IS NOT IN CONTRACT

GENERAL DEMOLITION NOTES

- A. ALL DEMOLITION DEBRIS SHALL BE SEPARATED BY TYPE FOR RECYCLING TO COMPLY WITH LEED REQUIREMENTS. COORDINATE HAZARDOUS MATERIAL WORK WITH THE HAZARDOUS MATERIAL REPORT.
- B. REMOVE BUILT-UP ROOFING AND INSULATION DOWN TO CONCRETE DECK. REPAIR ALL DAMAGE AREAS CAUSED BY DEMOLITION AND FILL-IN PENETRATIONS LEFT FROM DEMOLITION OF VENT PIPES AND EQUIPMENT WITH CONCRETE.
- C. DEMOLITION SHOWN ON THIS SHEET APPLIES TO ROOFING INDICATED ON SHEET AE106.
- E. GENERAL CONDITIONS REGARDING BID OPTIONS APPLY TO WORK SHOWN ON THIS SHEET.

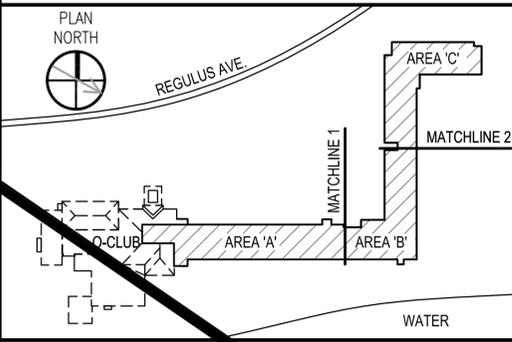
SHEET KEYED NOTES

1. VENT PIPES TO REMAIN FOR REUSE. SEE PIPING DRAWINGS. REMOVE FLASHING AND SEAL PENETRATIONS WITH FIRESTOPPING.
2. NOT USED.
3. REMOVE AIR HANDLER UNIT (5'-6" x8'-0" +/-) ENTIRELY. FILL-IN OPENING WITH CONCRETE-SEE STRUCTURAL, MECHANICAL AND ELECTRICAL DWGS.
4. REMOVE PITCH POCKETS AND ABANDONED EQUIPMENT. FILL-IN HOLES THAT ARE LEFT AFTER DEMOLITION WITH CONCRETE.
5. REMOVE EAVE FLASHING AND ALL WOOD BLOCKING ASSOCIATED WITH ROOFING INDICATED.
6. REMOVE EXPANSION JOINT FLASHING AND ALL WOOD BLOCKING.
7. SAW-CUT OPENING IN CONCRETE SLAB FOR 40" X 40" 1 HR FIRE RATED FLOOR DOOR. SEE SB401 FOR REINFORCING. DEMOLISH CONCRETE CHIMNEY DOWN TO TOP OF CONCRETE ROOF DECK.
8. REMOVE (3'-0" x2'-6"+/-) ROOF HATCH AND FLASHING. LEAVE OPENING FOR NEW 1 HR RATED FLOOR DOOR.
10. SAW-CUT OPENING IN CONCRETE SLAB FOR DUCT PENETRATIONS. SEE AD105 FOR ADDITIONAL NOTES AND DIMENSIONS.
11. SAW-CUT OPENING IN CONCRETE SLAB FOR 24" DIAMETER STEEL CHUTE VENT PENETRATION. COORDINATE SIZE WITH MANUFACTURER FOR CLEARANCES AND SEE SB401 FOR REINFORCING.
12. REMOVE FLASHING AT FIREPLACE CHIMNEY.

LEGEND

- FILL OPENING WITH CONCRETE.
- ROOFING TO BE REMOVED

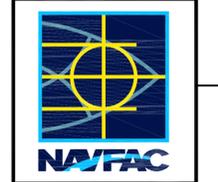
KEYPLAN



GRAPHIC SCALE

SCALE:	1/16" = 1'-0"
PROJECT NO.:	1308656
CONSTR. CONTR. NO.:	
NAVAFAC DRAWINGS NO.:	12704552
SHEET 23 OF 252	

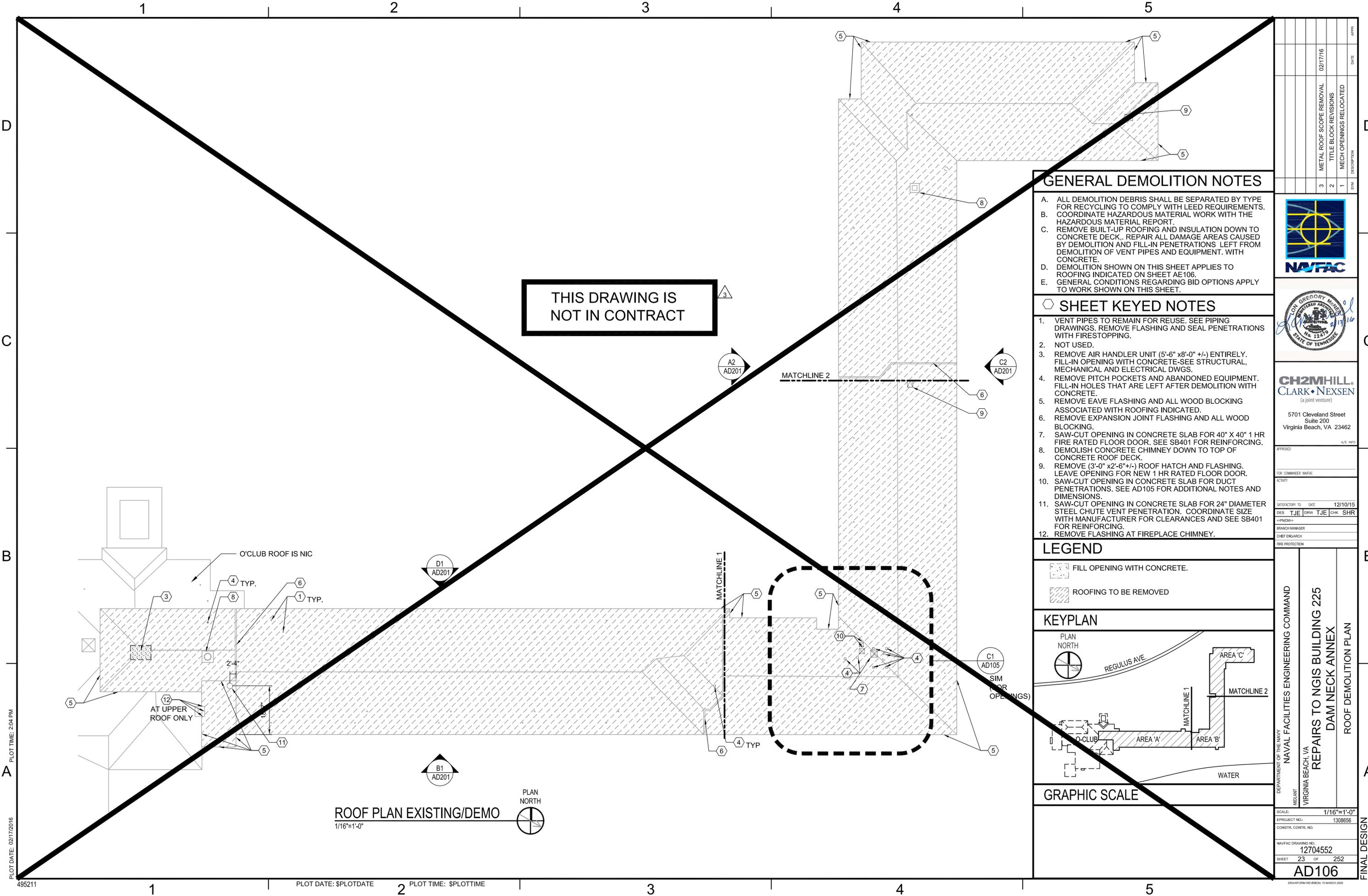
NO.	DATE	DESCRIPTION
3	02/17/16	METAL ROOF SCOPE REMOVAL
2		TITLE BLOCK REVISIONS
1		MECH OPENINGS RELOCATED



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Suite 200
Virginia Beach, VA 23462

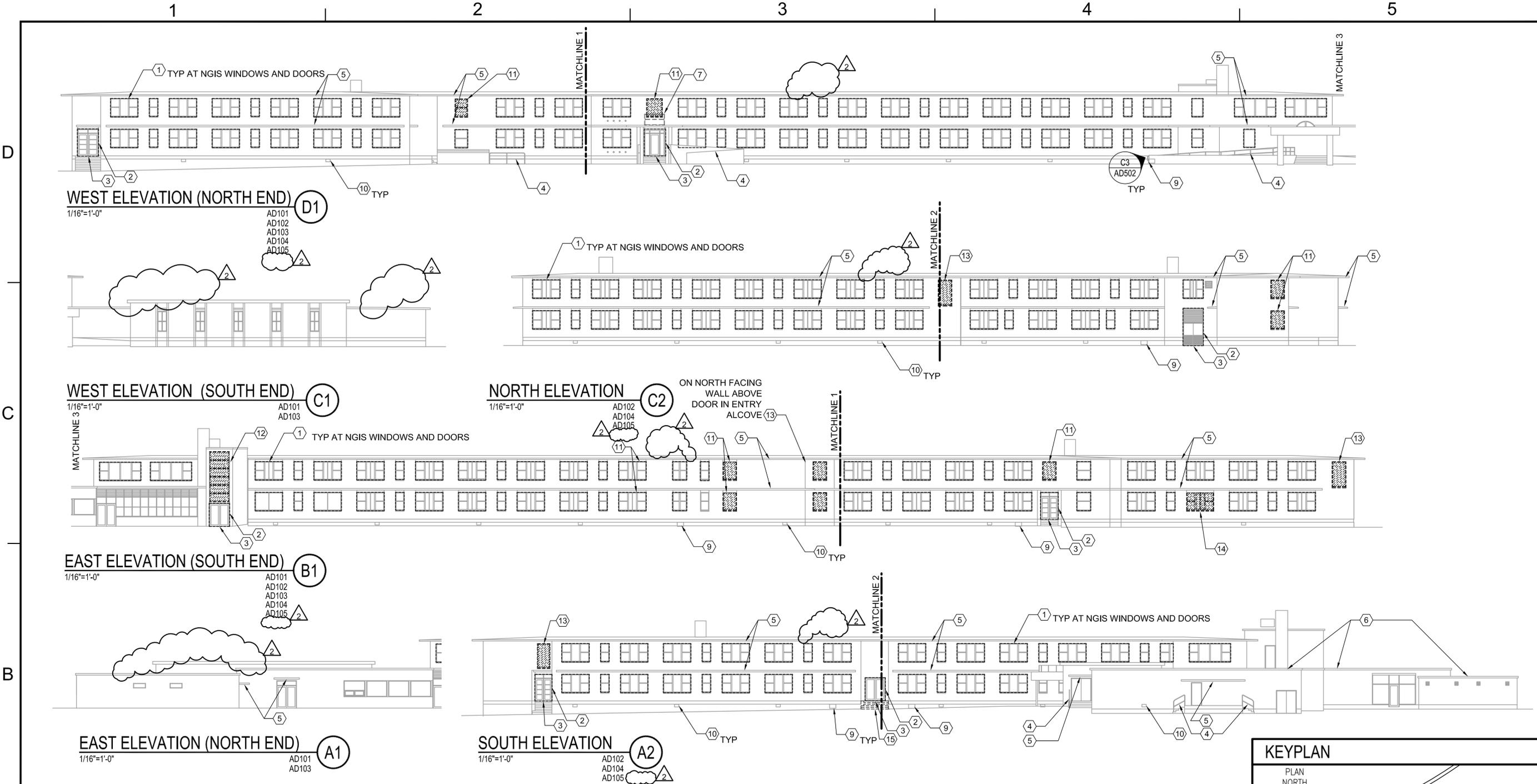
APPROVED:		
FIR COMMANDER NAVFAC:		
ACTIVITY:		
SATISFACTORY TO:	DATE: 12/10/15	
DES: TJE	DRAW: TJE	CHK: SHR
BRANCH MANAGER:		
CHIEF ENGINEER:		
FIRE PROTECTION:		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX
ROOF DEMOLITION PLAN



PLOT DATE: 02/17/2016
PLOT TIME: 2:04 PM

FINAL DESIGN



GENERAL DEMOLITION NOTES

- A. ALL DEMOLITION DEBRIS SHALL BE SEPARATED BY TYPE FOR RECYCLING TO COMPLY WITH LEED REQUIREMENTS.
- B. DEMOLITION WORK RELATED TO THE BUILDING EXTERIOR WINDOWS AND WALLS TO PROVIDE SURFACE CONDITIONS THAT ARE READY FOR RECAULKING WINDOWS AND PAINTING BUILDING EXTERIOR.

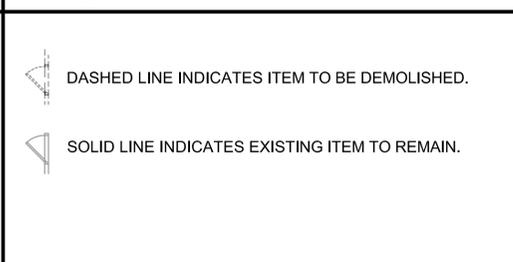
SHEET KEYED NOTES

- 1. REMOVE ALL LOOSE CAULK AROUND WINDOWS BETWEEN FRAMES AND BUILDING WALL.
- 2. REMOVE ALL LOOSE CAULK AROUND DOORS BETWEEN FRAMES AND BUILDING WALL.
- 3. REMOVE ALL LOOSE CAULK AND DAMAGED CONCRETE AT DOOR THRESHOLD. PATCH DAMAGED CONCRETE.
- 4. REMOVE RUST AND LOOSE PAINT FROM HANDRAILS AND GUARDRAILS.
- 5. EXISTING SUNSHADES AND CANOPIES WERE RECENTLY PAINTED. CLEAN AND PREPARE SURFACE FOR PAINTING.
- 6. NOT USED
- 7. REMOVE BUILDING SIGN AND STEEL FRAME, PATCH HOLES AND ROOFING WHERE FRAME WAS ANCHORED TO STRUCTURE.
- 8. NOT USED.
- 9. REMOVE ALL RUST FROM EXISTING CRAWL SPACE ACCESS DOORS SEE C1/AD502.
- 10. REMOVE LOOSE PAINT FROM FOUNDATION VENTS SEE D3/AD502.

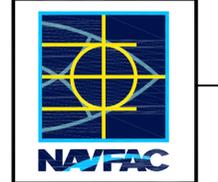
LEGEND

- 11. REMOVE ALUMINUM FRAME WINDOW (4'-4" X 5'-8"+/-).
- 12. REMOVE ALUMINUM FRAME WINDOW (6'-5" X 16'-10"+/-).
- 13. REMOVE ALUMINUM FRAME WINDOW (4'-4" X 8'-0"+/-).
- 14. REMOVE ALUMINUM FRAME WINDOW WITH DOUBLE HUNG (8'-7" X 5'-8"+/-).
- 15. DEMOLISH CONCRETE STAIR, LANDING AND SIDEWALK.

KEYPLAN



DATE	02/17/16
DESCRIPTION	METAL ROOF SCOPE REMOVAL
BY	TJE
NO.	1
REVISIONS	TITLE BLOCK REVISIONS



CH2MHILL
CLARK • NEXSEN
(a joint venture)
5701 Cleveland Street
Suite 200
Virginia Beach, VA 23462

APPROVED	
FIR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 12/10/15
DES TJE	DRW TJE
CHK SHR	
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**
EXISTING/DEMO EXTERIOR ELEVATIONS

SCALE	1/16"=1'-0"
EPROJCT NO.	1308656
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12704553
SHEET	24 OF 252
AD201	

PLOT DATE: 02/17/2016
PLOT TIME: 2:05 PM



PHOTO-CORNER SUNSHADES (D1) NONE AD102



PHOTO-TYPICAL WINDOW (D2) NONE AD101



PHOTO-FOUNDATION VENT (D3) NONE AD201



PHOTO-RAMP WITH HANDRAIL (D4) NONE AD101



PHOTO-ACCESS DOOR (C1) NONE AD201



PHOTO-RAIL/DAMAGE (C2) NONE AD101



PHOTO-RAMP RAIL (C3) NONE AD201

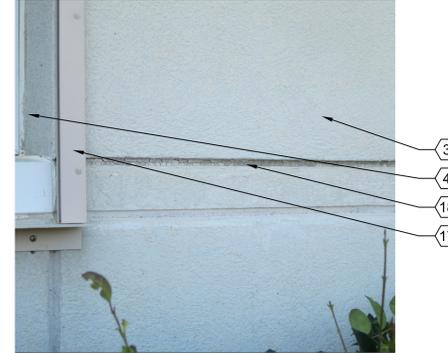


PHOTO-EIFS CAULK JOINT (C4) NONE AD101



PHOTO-ENTRANCE (A1) NONE AD101



PHOTO-ENTRANCE (A3) NONE AD102



PHOTO-ROOF (A4) NONE

THIS PHOTO IS NOT IN CONTRACT

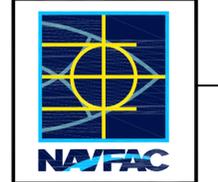
GENERAL DEMOLITION NOTES

- A. REFER TO AD201 FOR GENERAL DEMOLITION NOTES.
- B. PHOTOS ARE PROVIDED AS A REFERENCE TO ILLUSTRATE TYPICAL EXISTING CONDITIONS. CONTRACTOR TO VERIFY EXACT CONDITIONS PRIOR TO WORK.

SHEET KEYED NOTES

- (3'-6" +/-) CONCRETE ROOF OVERHANG/SUNSHADE.
- (3'-0" +/-) CONCRETE SUNSHADE.
- EXISTING EIFS ON (1 1/2" +/-) OF INSULATION ON CONCRETE.
- EXISTING ALUMINUM FRAME WINDOW - SEE ELEVATIONS.
- EXISTING ALUMINUM SILL FLASHING - SEE ELEVATIONS.
- EXISTING ALUMINUM FOUNDATION VENT - SEE ELEVATIONS.
- ELECTRICAL CONDUIT - SEE ELECTRICAL DEMOLITION DRAWINGS.
- EXTERIOR HOSE BIBB - SEE MECHANICAL DRAWINGS.
- 1 1/2" DIAMETER STEEL HANDRAIL TO BE PAINTED.
- CONCRETE SIDEWALK.
- EXISTING RAMP WALL W/ EIFS FINISH ON 8" CMU.
- REMOVE DAMAGED EIFS AND REPAIR TO MATCH ADJACENT SURFACE PRIOR TO PAINTING.
- REMOVE DAMAGED CONCRETE AND REPAIR TO MATCH ADJACENT SURFACE PRIOR TO PAINTING-SEE STRUCTURAL DWGS
- STEEL (24" X 24" +/-) CRAWL SPACE ACCESS DOOR. REMOVE ALL RUST AND PREPARE SURFACE PRIOR TO PAINTING.
- RE-GRADE PERIMETER TO SLOPE AWAY FROM BUILDING AND CLEAR BOTTOM OF ACCESS DOOR-SEE LANDSCAPE DWG.
- GUARDRAIL W/ 1 1/2" DIAMETER STEEL TOP AND BOTTOM RAILS AND 1/2" SQUARE PICKETS @ 4" OC TO BE PAINTED.
- EXISTING ALUMINUM TRACK FOR HURRICANE SHUTTERS ALONG WITH ENTIRE MECHANISM TO REMAIN.
- REMOVE ALL LOOSE CAULK FROM EIFS JOINT AND PREPARE SURFACE FOR NEW CAULK.
- REMOVE BUILDING SIGN AND SUPPORTING STRUCTURE.
- EXTERIOR LIGHTING-SEE ELECTRICAL DWGS.
- EIFS FINISH ON 12" CONCRETE FOUNDATION WALL.
- DEMOLISH CONCRETE STAIR AND LANDING.
- DEMOLISH DRYER VENTS, FILL-IN PENETRATION WITH CONCRETE AND PATCH EIFS TO MATCH ADJACENT SURFACE AND TEXTURE.
- NOT USED.

NO.	DESCRIPTION	DATE
2	METAL ROOF SCOPE REMOVAL	02/17/16
1	TITLE BLOCK REVISIONS	



CH2MHILL
CLARK • NEXSEN
(a joint venture)

5701 Cleveland Street
Suite 200
Virginia Beach, VA 23462

APPROVED	A/E: INF3
FIR COMMANDER: NAFAC	
SATISFACTORY TO: DATE: 12/10/15	
DES: TJE (DRW: TJE) (CHK: SHR)	
BRANCH MANAGER:	
CHIEF ENGINEER:	
FIRE PROTECTION:	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX
EXTERIOR DEMOLITION PHOTOS

SCALE:	NONE
PROJECT NO.:	1308656
CONSTR. CONTR. NO.:	
NAFAC DRAWINGS NO.:	12704556
SHEET 27 OF 252	
AD502	

PLOT DATE: 02/17/2016

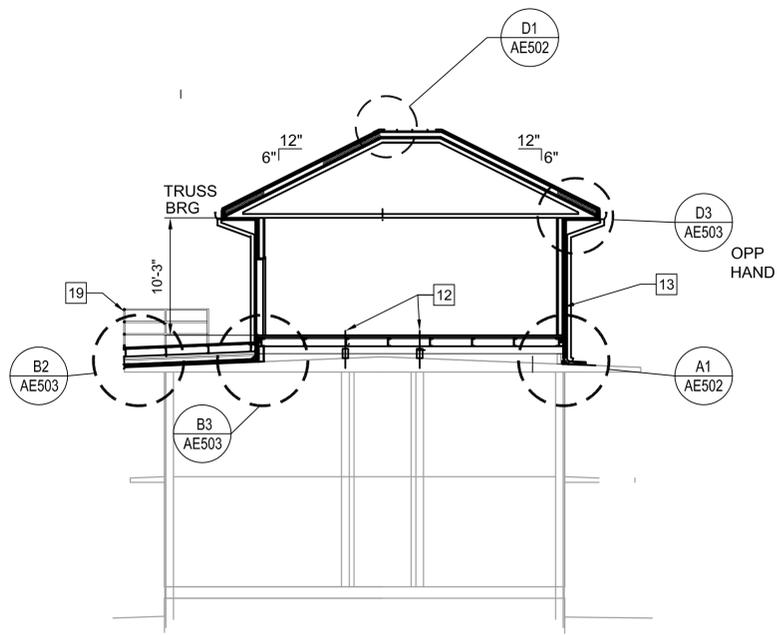
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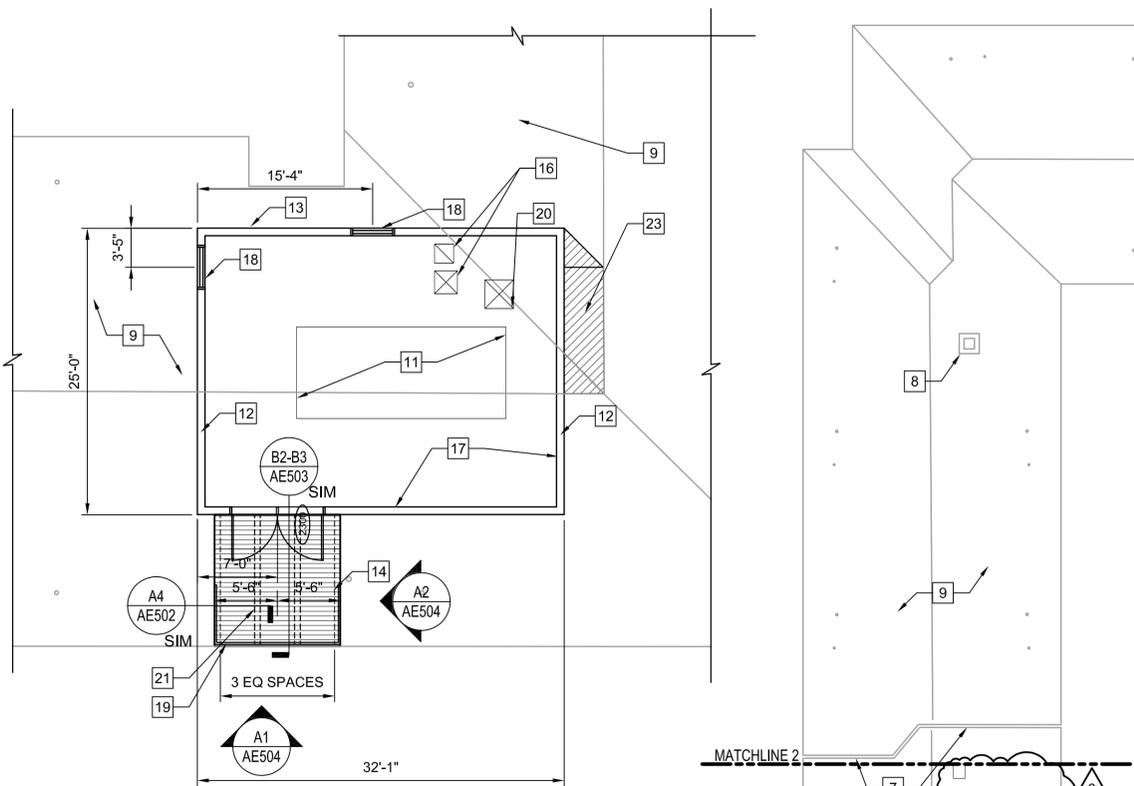
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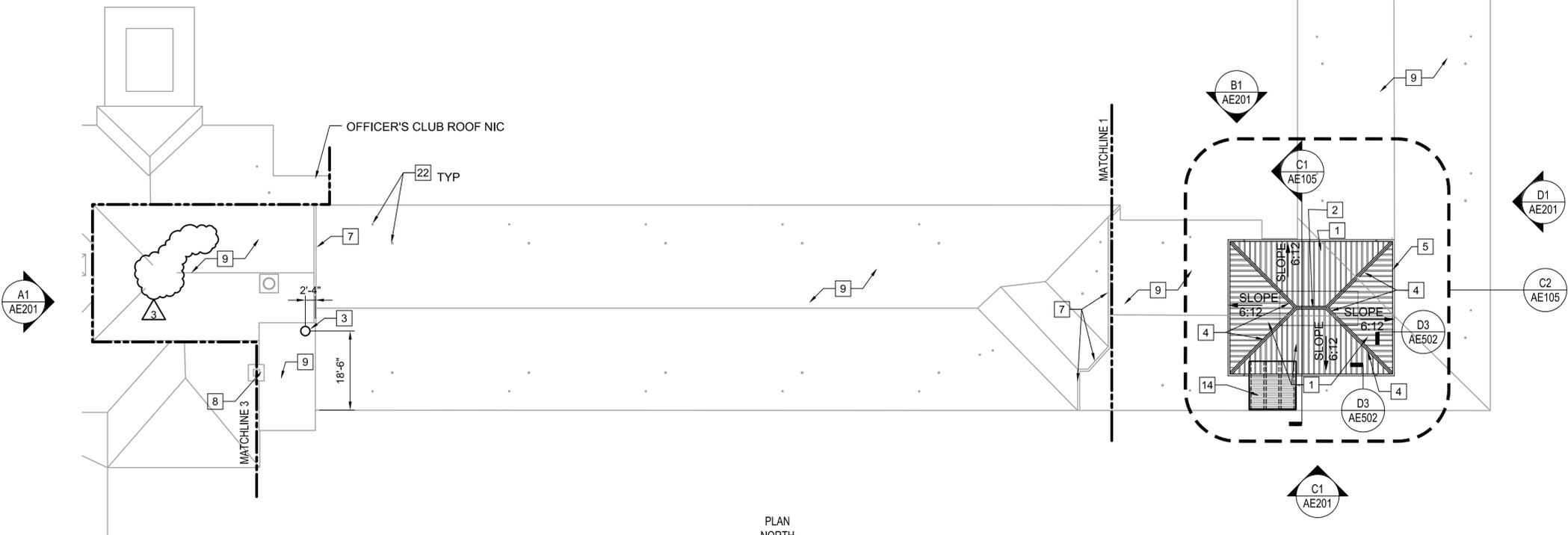
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SECTION THRU PENTHOUSE
1/8" = 1'-0" AE105 C1

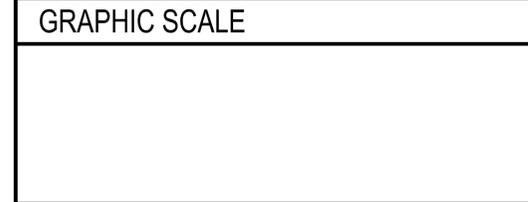
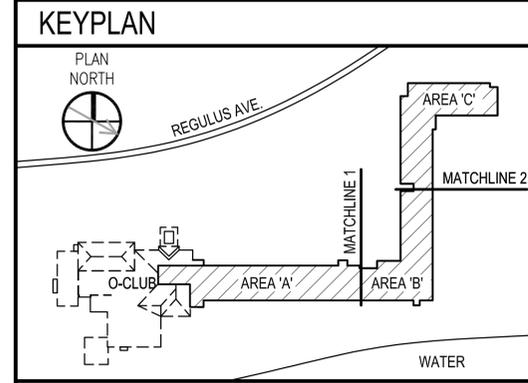


PENTHOUSE PLAN
1/8" = 1'-0" AD105 C2

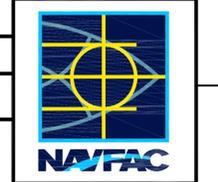


ROOF PLAN
1/16" = 1'-0" PLAN NORTH

- ### GENERAL ARCH NOTES
- A. REFER TO AE001 FOR ADDITIONAL GENERAL NOTES.
- #### SHEET KEYED NOTES
- STANDING SEAM METAL ROOF.
 - RIDGE CAP FLASHING-SEE D1/AE502.
 - LAUNDRY CHUTE VENT-SEE A1/AE503 AND A2/AE505.
 - HIP CAP FLASHING-SEE D1/AE502.
 - GUTTER AND DOWNSPOUTS.
 - NOT USED 3
 - EXISTING EXPANSION JOINT.
 - EXISTING CONCRETE CHIMNEY.
 - EXISTING MODIFIED BITUMEN ROOF.
 - NOT USED.
 - MECHANICAL EQUIPMENT.
 - ALIGN CENTER OF LOAD BEARING STUDS OVER PENTHOUSE FLOOR BEAM BELOW-SEE STRUCTURAL DWGS SF103 FOR PLAN AND S501 FOR DETAILS.
 - ALIGN FACE OF PENTHOUSE WALL WITH FINISHED FACE OF WALL BELOW-SEE STRUCTURAL DWGS.
 - ALUMINUM ACCESS PLATFORM ABOVE ROOFING.
 - NOT USED 3
 - INSULATED METAL WALL PANELS ON GYPSUM SHEATHING ON METAL STUD FRAMING WALLS.
 - WALL LOUVER-SEE A4/AE604 AND MECHANICAL DWGS.
 - ALUMINUM GUARDRAIL-SEE A1 AND A2/AE504.
 - 40" X 40" HATCH ACCESS TO PENTHOUSE FROM SECOND FLOOR-SEE B1/AE505.
 - SUPPORT CURB-SEE A3/AE502
 - REUSE EXISTING VENT PIPES-SEE MECHANICAL DRAWINGS.
 - TAPERED RIGID INSULATION.



NO.	DATE	DESCRIPTION
3	02/17/16	METAL ROOF SCOPE REMOVAL
2		TITLE BLOCK REVISIONS
1		MECH OPENINGS SHIFTED



CH2MHILL
CLARK NEXSEN
(a joint venture)
5701 Cleveland Street
Suite 200
Virginia Beach, VA 23462

APPROVED	A/E: INF3
FIR COMMANDER NAVFAC	ACTIVITY
SATISFACTORY TO DATE 12/10/15	DES TJE DRW TJE CHK SHR
BRANCH MANAGER	CHIEF ENGINEER
FIRE PROTECTION	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**
ROOF PLAN

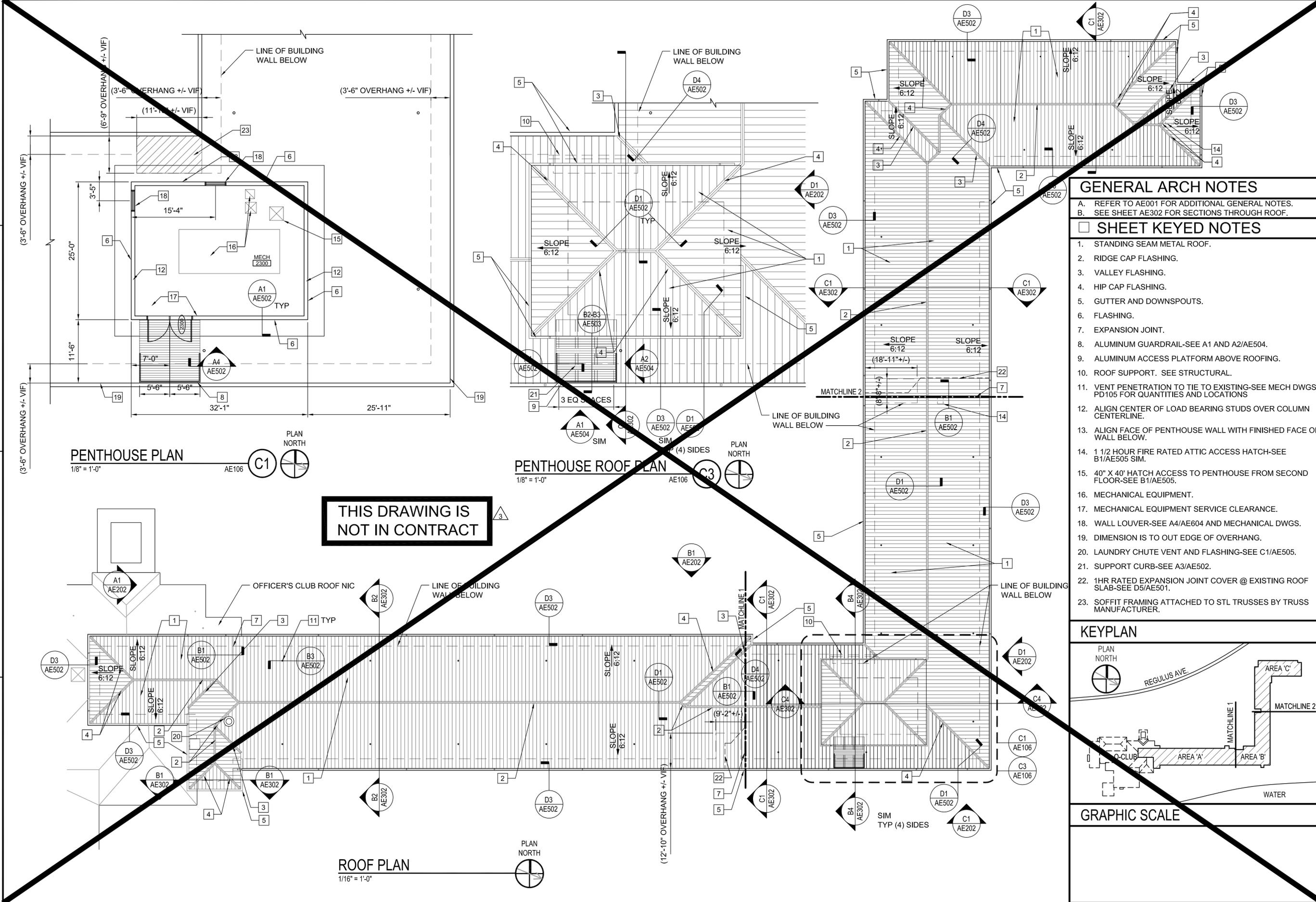
SCALE:	1/16" = 1'-0"
PROJECT NO.:	1308656
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	12704561
SHEET 32 OF 252	

AE105
DRAWING REVISIONS: 10 MARCH 2009

PLOT DATE: 02/17/2016 PLOT TIME: 2:08 PM

495211

FINAL DESIGN



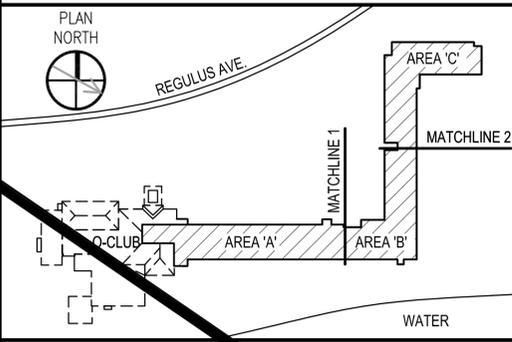
GENERAL ARCH NOTES

- A. REFER TO AE001 FOR ADDITIONAL GENERAL NOTES.
- B. SEE SHEET AE302 FOR SECTIONS THROUGH ROOF.

SHEET KEYED NOTES

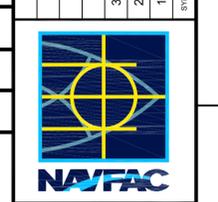
1. STANDING SEAM METAL ROOF.
2. RIDGE CAP FLASHING.
3. VALLEY FLASHING.
4. HIP CAP FLASHING.
5. GUTTER AND DOWNSPOUTS.
6. FLASHING.
7. EXPANSION JOINT.
8. ALUMINUM GUARDRAIL-SEE A1 AND A2/AE504.
9. ALUMINUM ACCESS PLATFORM ABOVE ROOFING.
10. ROOF SUPPORT. SEE STRUCTURAL.
11. VENT PENETRATION TO TIE TO EXISTING-SEE MECH DWGS PD105 FOR QUANTITIES AND LOCATIONS
12. ALIGN CENTER OF LOAD BEARING STUDS OVER COLUMN CENTERLINE.
13. ALIGN FACE OF PENTHOUSE WALL WITH FINISHED FACE OF WALL BELOW.
14. 1 1/2 HOUR FIRE RATED ATTIC ACCESS HATCH-SEE B1/AE505 SIM.
15. 40" X 40" HATCH ACCESS TO PENTHOUSE FROM SECOND FLOOR-SEE B1/AE505.
16. MECHANICAL EQUIPMENT.
17. MECHANICAL EQUIPMENT SERVICE CLEARANCE.
18. WALL LOUVER-SEE A4/AE604 AND MECHANICAL DWGS.
19. DIMENSION IS TO OUT EDGE OF OVERHANG.
20. LAUNDRY CHUTE VENT AND FLASHING-SEE C1/AE505.
21. SUPPORT CURB-SEE A3/AE502.
22. 1HR RATED EXPANSION JOINT COVER @ EXISTING ROOF SLAB-SEE D5/AE501.
23. SOFFIT FRAMING ATTACHED TO STL TRUSSES BY TRUSS MANUFACTURER.

KEYPLAN



GRAPHIC SCALE

NO.	DESCRIPTION	DATE	APPR.
3	METAL ROOF SCOPE REMOVAL	02/17/16	
2	TITLE BLOCK REVISIONS		
1	MECH OPENINGS SHIFTED		

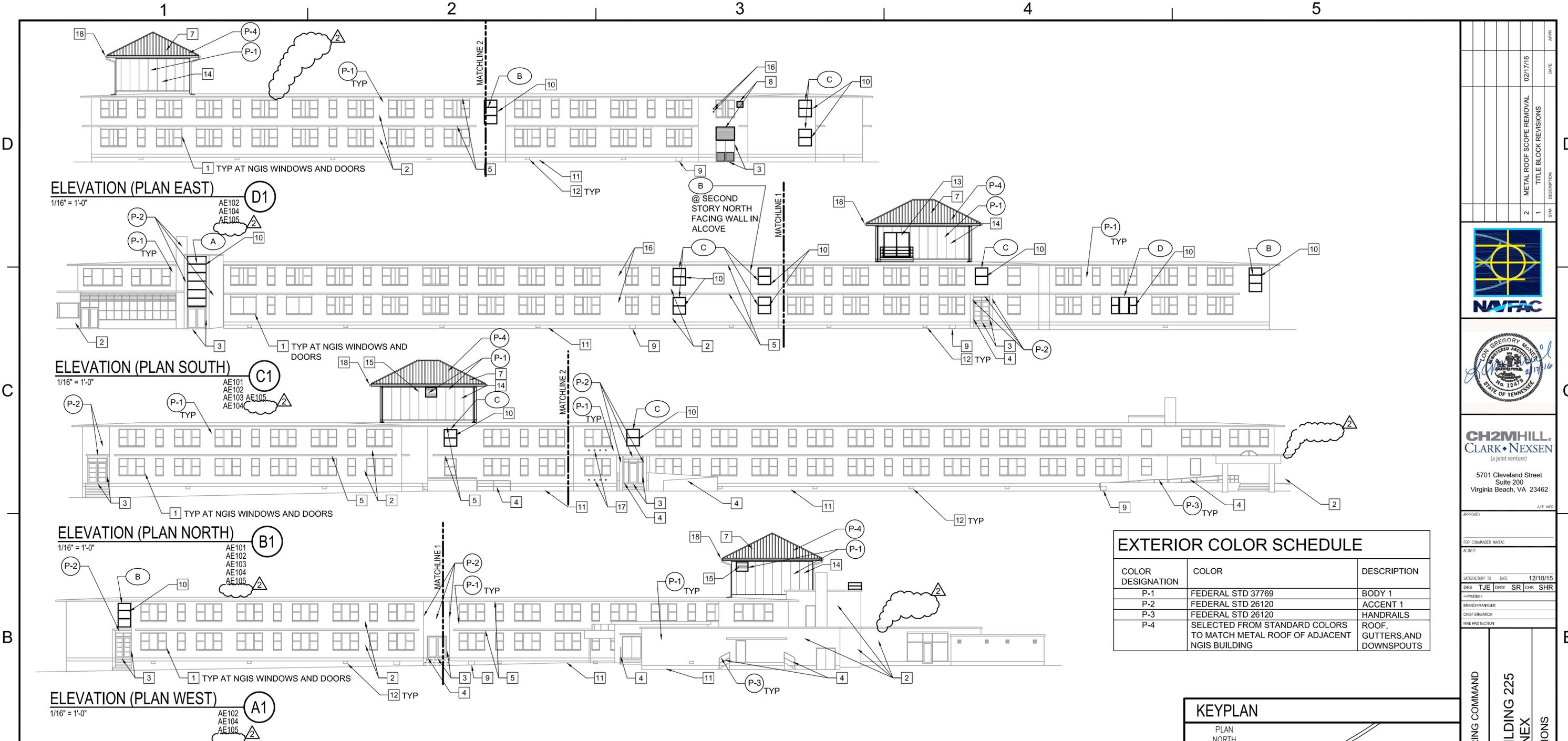


CH2MHILL CLARK NEXSEN
 (a joint venture)
 5701 Cleveland Street
 Suite 200
 Virginia Beach, VA 23462

APPROVED	A/E: JPM
FIR COMMANDER: NAVFAC	
ACTIVITY	
SATISFACTORY TO: DATE: 12/10/15	
DES: TJE DRAW: TJE CHK: SHR	
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

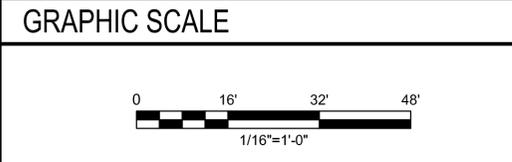
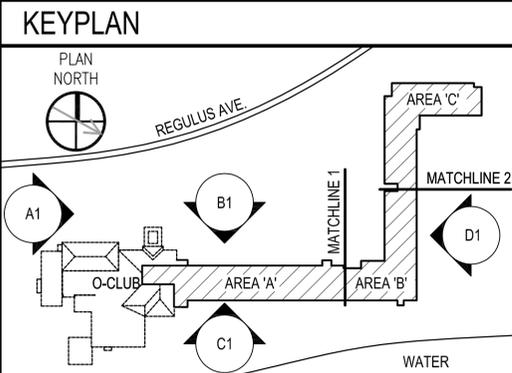
DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 VIRGINIA BEACH, VA
 REPAIRS TO NGIS BUILDING 225
 DAM NECK ANNEX
 ROOF PLAN
 SCALE: 1/16" = 1'-0"
 EPROJCT NO.: 1308656
 CONSTR. CONTR. NO.
 NAVFAC DRAWING NO.: 12704562
 SHEET 33 OF 252
AE106
 FINAL DESIGN

PLOT DATE: 02/17/2016 PLOT TIME: 2:09 PM



EXTERIOR COLOR SCHEDULE

COLOR DESIGNATION	COLOR	DESCRIPTION
P-1	FEDERAL STD 37769	BODY 1
P-2	FEDERAL STD 26120	ACCENT 1
P-3	FEDERAL STD 26120	HANDRAILS
P-4	SELECTED FROM STANDARD COLORS TO MATCH METAL ROOF OF ADJACENT NGIS BUILDING	ROOF, GUTTERS, AND DOWNSPOUTS



GENERAL ARCH NOTES

- A. CAULK NGIS WINDOWS AND DOORS AROUND ENTIRE PERIMETER TO PROVIDE WEATHERTIGHT SEAL.
- B. PAINT EXTERIOR WALLS OF NGIS AND OFFICER'S CLUB INCLUDING UNDERSIDE OF CONCRETE OVERHANG AND EXPOSED CONCRETE OF SUNSHADE.
- C. REFER TO AE105 FOR ROOF SLOPES.

SHEET KEYED NOTES

- 1. CAULK ALL WINDOWS OF NGIS.
- 2. PATCH PREP AND PAINT EIFS.
- 3. CAULK PERIMETER OF DOOR AND THRESHOLD.
- 4. PAINT HANDRAILS AND GUARDRAILS..
- 5. EXISTING CONCRETE SUNSHADES AND OVERHANG TO BE PAINTED.
- 6. NOT USED
- 7. STANDING SEAM METAL ROOFING.
- 8. PREFINISHED METAL LOUVER IN EXISTING OPENING-SEE MECHANICAL DWGS.
- 9. PAINT EXISTING CRAWL SPACE ACCESS DOORS.
- 10. PROVIDE NEW ALUMINUM WINDOW.
- 11. PAINT CONCRETE FOUNDATION WALL.
- 12. PAINT ALUMINUM VENTS.
- 13. PROVIDE STL DOORS-SEE DOOR SCHEDULE.
- 14. PREFINISHED INSULATED METAL PANELS R-19.
- 15. PREFINISHED METAL LOUVER-SEE A4/AE604.
- 16. CORE DRILL HOLES FOR DRYER VENTS-SEE MECHANICAL DWGS FOR SIZE AND LOCATION.
- 17. PATCH EIFS WHERE DRYER VENT HOLE WERE FILLED-IN WITH CONCRETE. EIFS TO FLUSH OUT WITH EXISTING SURFACE AND MATCH TEXTURE.
- 18. ALUMINUM GUTTERS AND DOWNSPOUTS

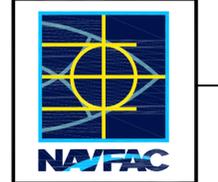
LEGEND

- (C) WINDOW TYPE-SEE WINDOW SCHEDULE ON AE604.
- (A) COLOR TYPE-SEE EXTERIOR COLOR SCHEDULE ON THIS SHEET.

EXTERIOR COLOR NOTES

- 1. SEALANT TO MATCH ADJACENT COLOR

NO.	DESCRIPTION	DATE
2	METAL ROOF SCOPE REMOVAL	02/17/16
1	TITLE BLOCK REVISIONS	



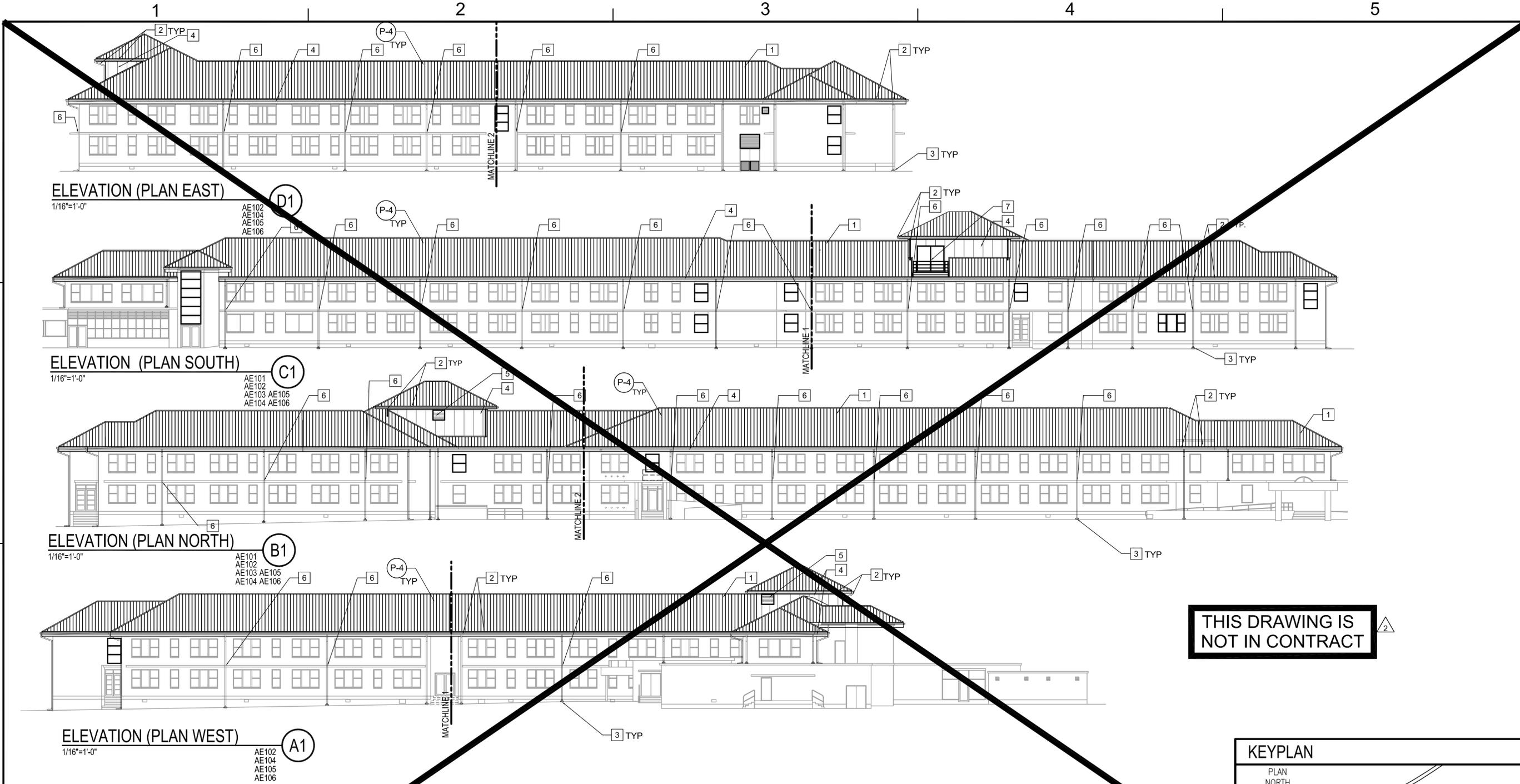
CH2MHILL
CLARK • NEXSEN
(a joint venture)
5701 Cleveland Street
Suite 200
Virginia Beach, VA 23462

APPROVED	DATE	12/10/15
FOR COMMANDER NAVFAC	DES	TJE
ACTIVITY	DRW	SR
	CHK	SHR
SATISFACTORY TO	DATE	12/10/15
BRANCH MANAGER		
CHIEF ENGINEER		
FIRE PROTECTION		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**
EXTERIOR ELEVATIONS

SCALE:	1/16"=1'-0"
PROJECT NO.:	1308656
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	12704568
SHEET	39 OF 252
AE201	

PLOT DATE: 02/17/2016 PLOT TIME: 2:10 PM



ELEVATION (PLAN EAST)
1/16"=1'-0"

ELEVATION (PLAN SOUTH)
1/16"=1'-0"

ELEVATION (PLAN NORTH)
1/16"=1'-0"

ELEVATION (PLAN WEST)
1/16"=1'-0"

THIS DRAWING IS NOT IN CONTRACT

GENERAL ARCH NOTES

- A. THIS DRAWING IS TO SHOW EXTENT OF ALUMINUM STANDING SEAM ROOFING. SEE AE201 FOR ADDITIONAL EXTERIOR ELEVATION NOTES.
- B. REFER TO AE106 FOR ROOF SLOPES.

SHEET KEYED NOTES

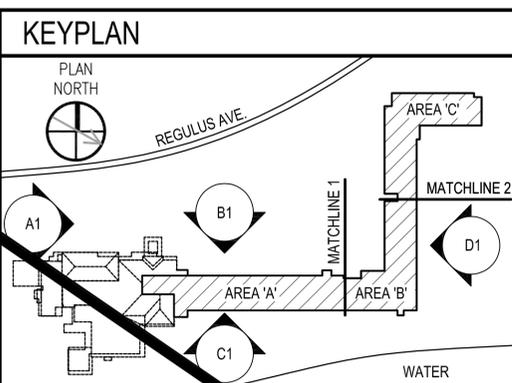
- 1. STANDING SEAM METAL ROOFING.
- 2. GUTTER AND DOWNSPOUT.
- 3. CONCRETE SPLASHBLOCKS.
- 4. PREFINISHED INSULATED METAL PANELS R-19.
- 5. PREFINISHED METAL LOUVER-SEE A4/AE604 AND MECHANICAL DRAWINGS.
- 6. CORE DRILL CONCRETE SUNSHADE AT DOWNSPOUT.
- 7. STEEL DOORS-SEE DOOR SCHEDULE.

LEGEND

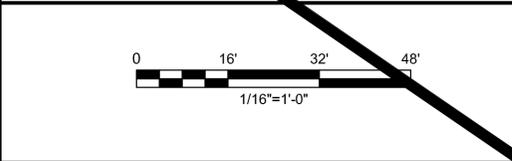
- (C) WINDOW TYPE-SEE WINDOW SCHEDULE ON AE604.
- (A) COLOR TYPE-SEE EXTERIOR COLOR SCHEDULE ON THIS SHEET.

EXTERIOR COLOR NOTES

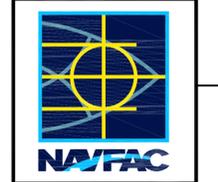
- 1. REFER TO AE 201 FOR EXTERIOR PAINT COLORS.
- 2. SEALANT TO MATCH ADJACENT COLOR



GRAPHIC SCALE



NO.	DESCRIPTION	DATE	APPR.
2	METAL ROOF SCOPE REMOVAL	02/17/16	
1	TITLE BLOCK REVISIONS		



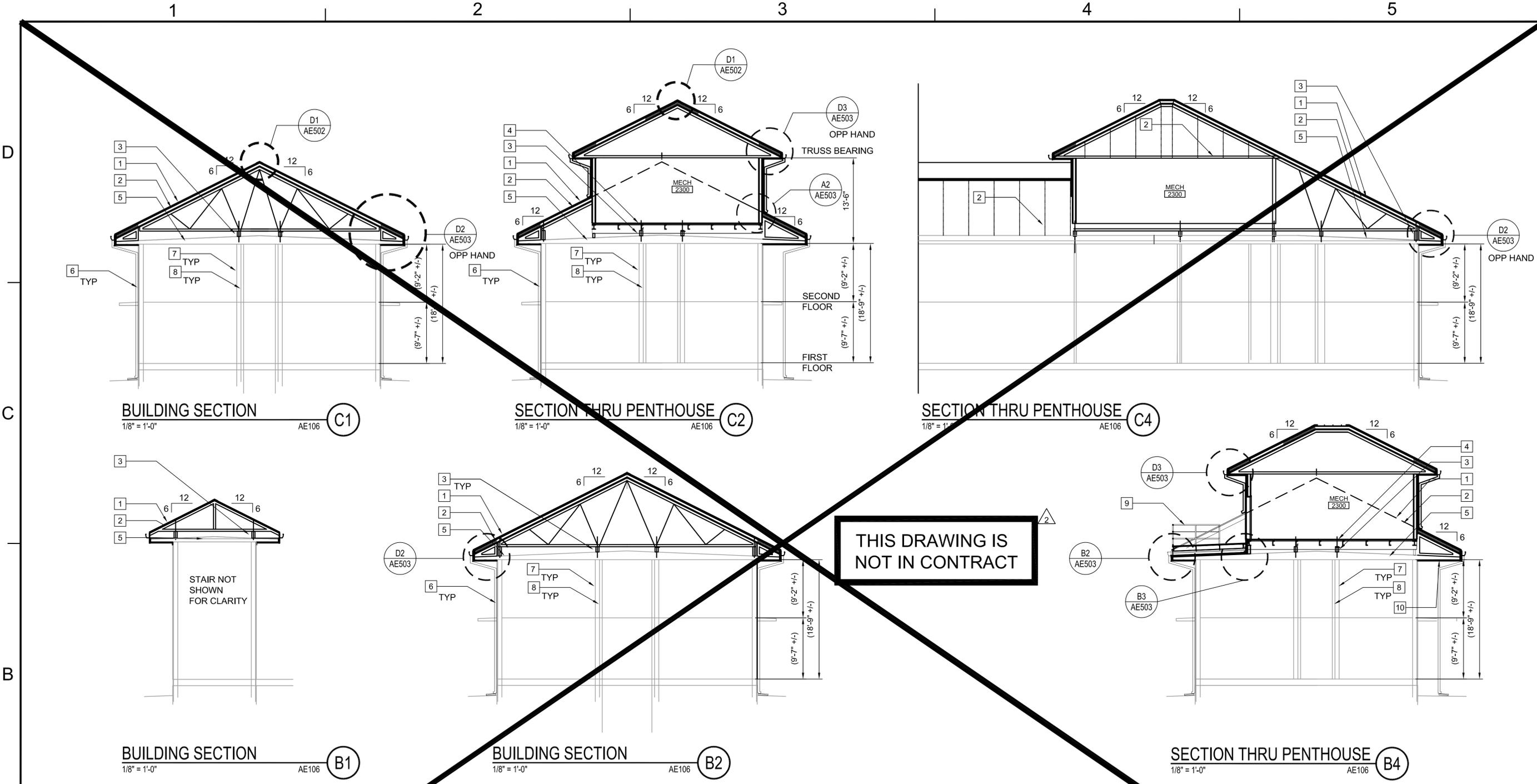
CH2MHILL
CLARK • NEXSEN
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5701 Cleveland Street
Suite 200
Virginia Beach, VA 23462

APPROVED	DATE	12/10/15
PER COMMANDER NAVFAC	DES	TJE
ACTIVITY	DRW	TJE
	CHK	SHR
	SHR	
SATISFACTORY TO	DATE	12/10/15
BRANCH MANAGER	CHIEF ENGINEER	
FIRE PROTECTION		

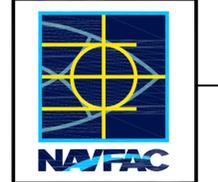
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**
EXTERIOR ELEVATIONS

SCALE: 1/16"=1'-0"
PROJECT NO.: 1308656
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12704569
SHEET 40 OF 252
AE202
DRAWING REVISIONS: 10 MARCH 2009

PLOT DATE: 02/17/2016
PLOT TIME: 2:11 PM



NO.	DESCRIPTION	DATE	APPR.
2	METAL ROOF SCOPE REMOVAL	02/17/16	
1	TITLE BLOCK REVISIONS		



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APPROVED	
FIR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 12/10/15
DES TJE	DRW TJE
CHK	SHR
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**
BUILDING SECTIONS

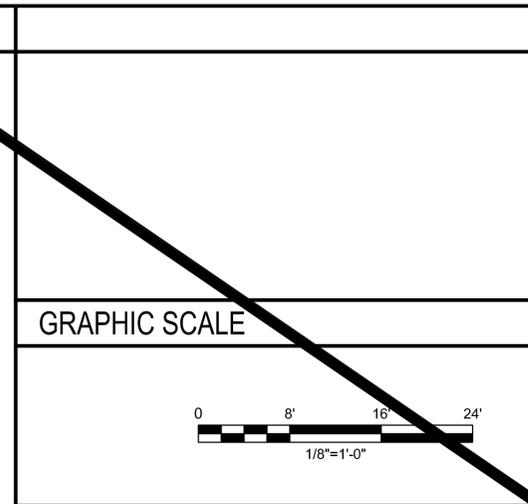
SCALE: 1/8" = 1'-0"
PROJECT NO.: 1308656
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12704571
SHEET 42 OF 252
AE302

GENERAL ARCH NOTES

A. REFER TO STRUCTURAL DWGS FOR TRUSS FRAMING PLANS AND ADDITIONAL DETAILS AND NOTES.

B. REFER TO DETAILS, ROOF PLAN AND STRUCTURAL DRAWINGS FOR ADDITIONAL DIMENSIONS AND NOTES.

- SHEET KEYED NOTES**
1. STANDING SEAM METAL ROOFING.
 2. MTL TRUSS-SEE STRUCTURAL DWGS..
 3. SUPPORT BEAMS AND POST BASE-SEE STRUCTURAL DWGS.
 4. MECHANICAL PENTHOUSE FLOOR-SEE STRUCTURAL DRAWINGS.
 5. EXISTING CONCRETE ROOF SLAB.
 6. EXISTING 8" CONCRETE EXTERIOR WALL.
 7. EXISTING CONCRETE COLUMN-BEYOND.
 8. EXISTING 6" CMU CORRIDOR WALL.
 9. ALUMINUM GUARDRAIL-SEE A1 AND A2/AE504.
 10. SOFFIT FRAMING ATTACHED TO STL TRUSS BY TRUSS MANUFACTURER-SEE AE106.



1

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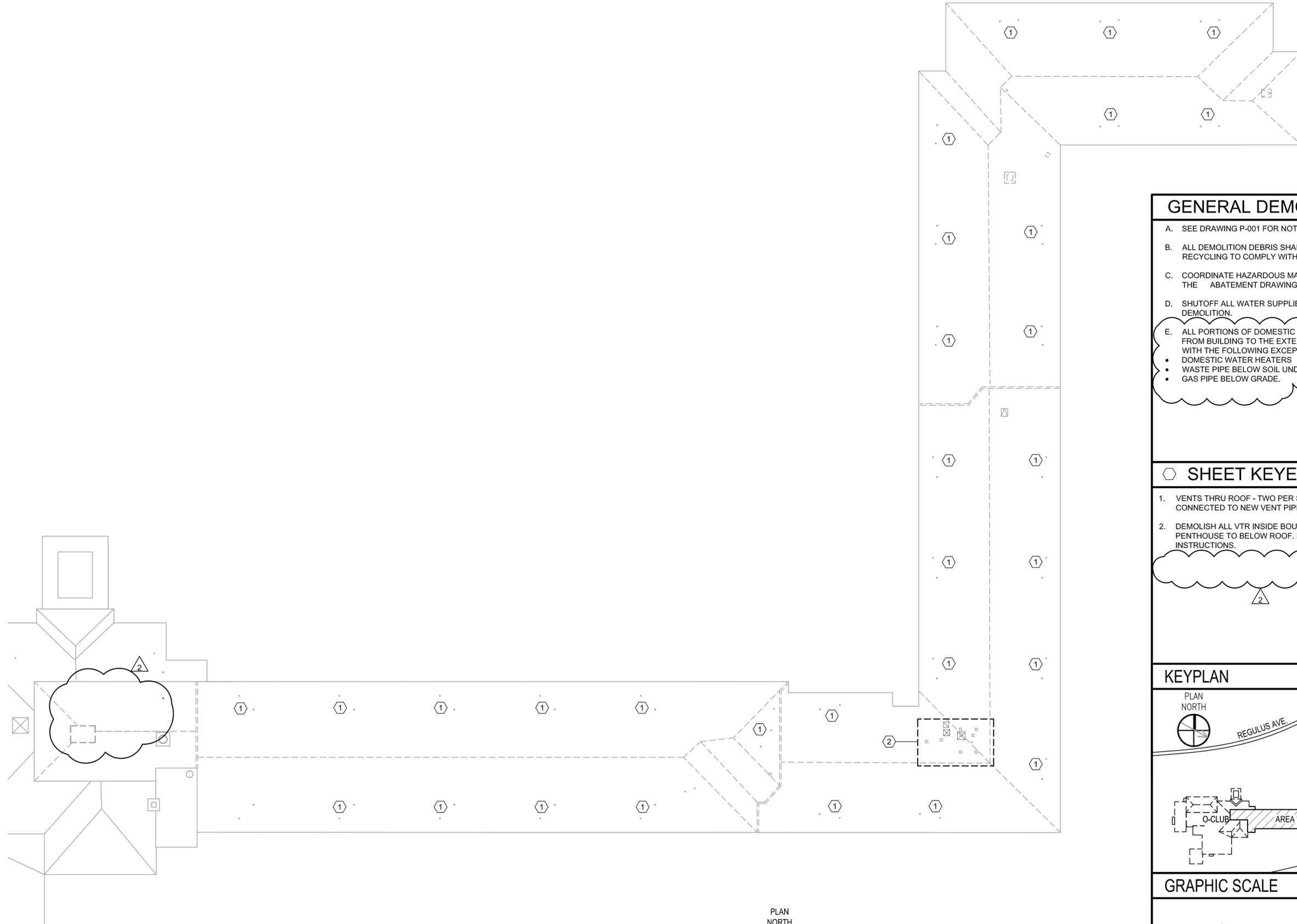
A

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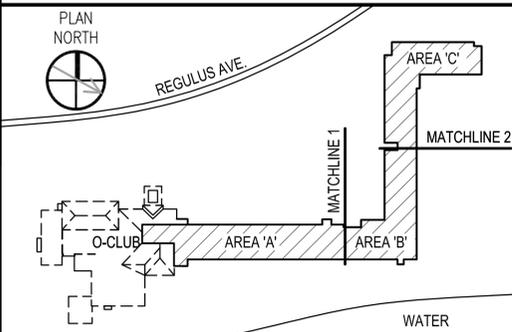
GENERAL DEMOLITION NOTES

- A. SEE DRAWING P-001 FOR NOTES, ABBREVIATIONS, AND LEGEND
- B. ALL DEMOLITION DEBRIS SHALL BE SEPARATED BY TYPE FOR RECYCLING TO COMPLY WITH LEED REQUIREMENTS.
- C. COORDINATE HAZARDOUS MATERIAL ABATEMENT WORK WITH THE ABATEMENT DRAWINGS.
- D. SHUTOFF ALL WATER SUPPLIES TO BUILDING PRIOR TO START OF DEMOLITION.
- E. ALL PORTIONS OF DOMESTIC WATER SERVICE TO BE REMOVED FROM BUILDING TO THE EXTENT OF 5'-0" OUTSIDE THE BUILDING WITH THE FOLLOWING EXCEPTIONS:
 - DOMESTIC WATER HEATERS
 - WASTE PIPE BELOW SOIL UNDERNEATH BUILDING
 - GAS PIPE BELOW GRADE.

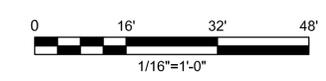
SHEET KEYED NOTES

- 1. VENTS THRU ROOF - TWO PER SUITE - TO REMAIN AND BE CONNECTED TO NEW VENT PIPE BELOW.
- 2. DEMOLISH ALL VTR INSIDE BOUNDARY OF NEW MECHANICAL PENTHOUSE TO BELOW ROOF. FILL OPENING PER ARCHITECT INSTRUCTIONS.

KEYPLAN



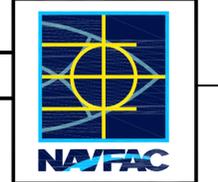
GRAPHIC SCALE



ROOF PLAN - PLUMBING DEMOLITION
1/16" = 1'-0"



NO.	DESCRIPTION	DATE	APP'D.
2	ROOFTOP UNIT SCOPE REMOVED	02/17/16	
1	TITLE BLOCK REVISIONS		



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5701 Cleveland Street
Suite 200
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APPROVED	
FIR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 12/10/15
DES JH	DRW JB
CHK JC	
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
VIRGINIA BEACH, VA
REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX
ROOF PLAN - DEMOLITION

SCALE:	1/16"=1'-0"
PROJECT NO.:	1308656
CONSTR. CONTR. NO.	
NAVFAC DRAWINGS NO.	12704646
SHEET	117 OF 252
PD105	

FINAL DESIGN

PLOT DATE: 02/17/2016
PLOT TIME: 1:59 PM
495211

PLOT DATE: \$PLOTDATE
PLOT TIME: \$PLOTTIME

1

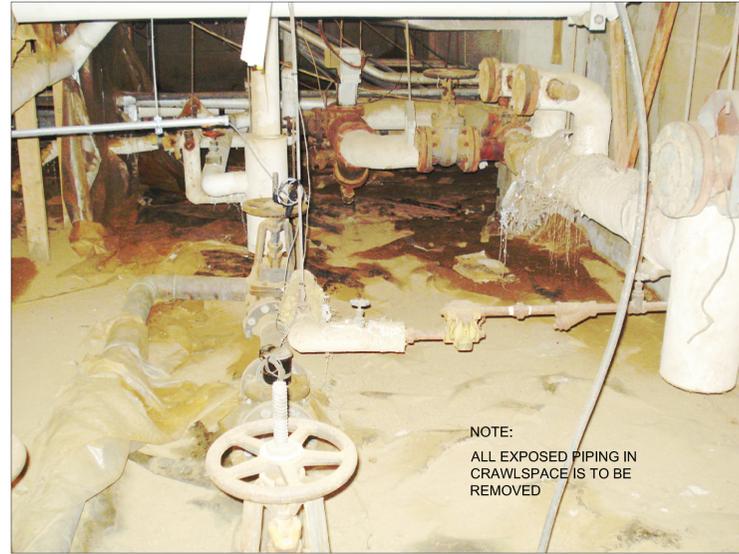
2

3

4

5

D



DEMO - WATER SERVICE ENTRANCE

NTS

PD101

C1



DEMO - WATER SERVICE ENTRANCE

NTS

PD101

C3



DEMO - ABANDONED WATER HEATER

NTS

PD102

C4

C

B

A



DEMO - GAS PIPING

NTS

PD102

A1



DEMO - ABANDONED WATER TANK

NTS

PD102

A3



DEMO - ROOFTOP UNIT

NTS

PD105

A4

NO.	DESCRIPTION	DATE	APPR.
2	ROOFTOP UNIT SCOPE REMOVED	02/17/16	
1	TITLE BLOCK REVISIONS		



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5701 Cleveland Street
Suite 200
Virginia Beach, VA 23462

APPROVED	
FIR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES JH	12/10/15
DRW JB	CHK JC
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX
PLUMBING DEMO DETAILS

SCALE:	NONE
PROJECT NO.:	1308656
CONSTR. CONTR. NO.:	
NAVFAC DRAWINGS NO.:	12704649
SHEET	120 OF 252
PD501	

FINAL DESIGN

PLOT DATE: 02/17/2016
PLOT TIME: 2:00 PM

1

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D

C

B

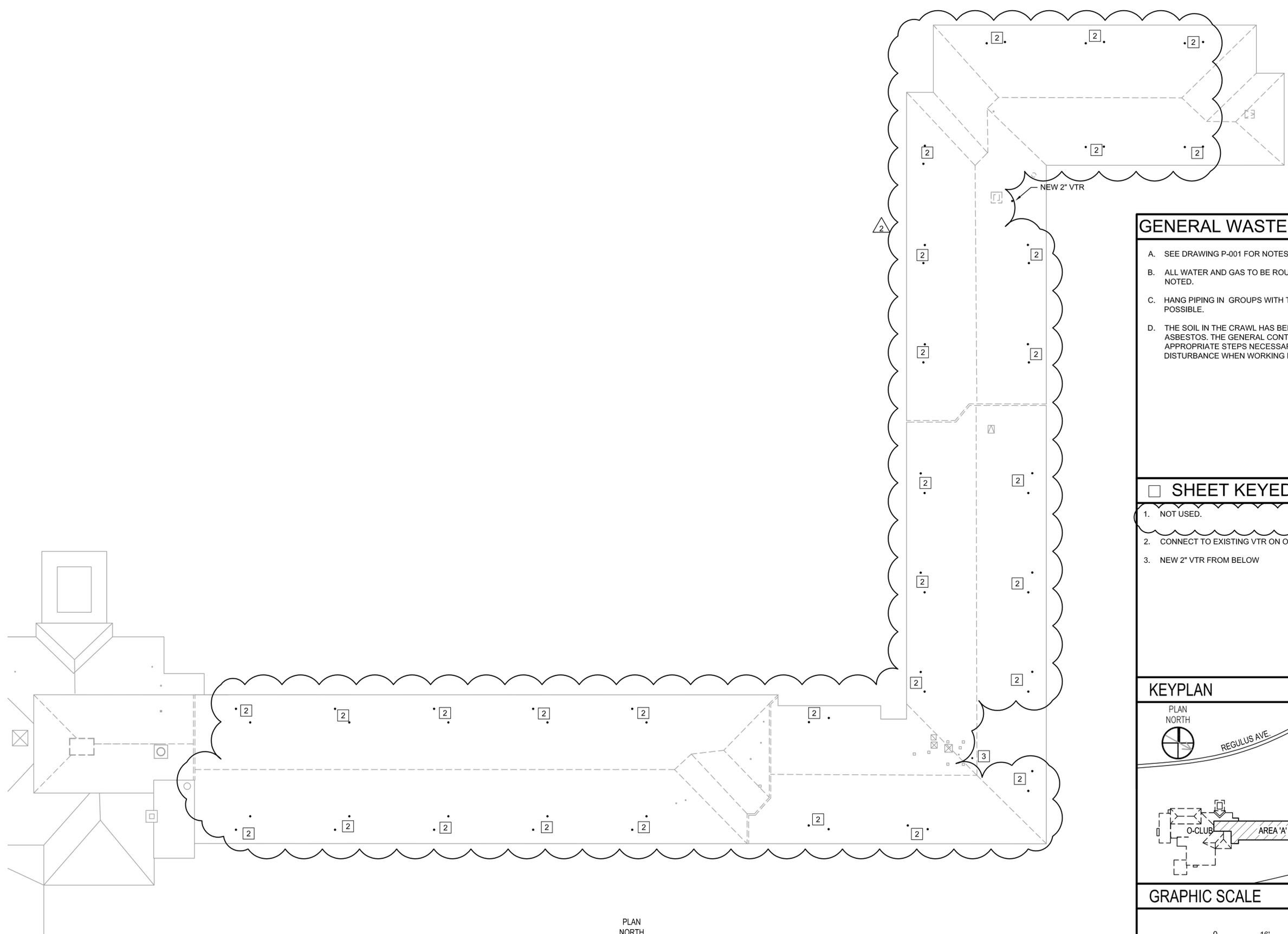
A

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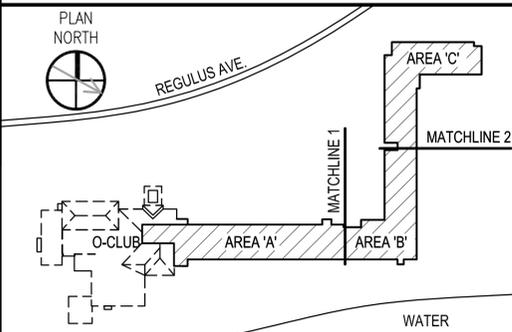
GENERAL WASTE & VENT NOTES

- A. SEE DRAWING P-001 FOR NOTES, ABBREVIATIONS, AND LEGEND
- B. ALL WATER AND GAS TO BE ROUTED IN CRAWLSPACE UNLESS NOTED.
- C. HANG PIPING IN GROUPS WITH TRAPEZE HANGERS WHEREVER POSSIBLE.
- D. THE SOIL IN THE CRAWL HAS BEEN TESTED AND CONTAINS ASBESTOS. THE GENERAL CONTRACTOR SHALL TAKE APPROPRIATE STEPS NECESSARY TO MINIMIZE SOIL DISTURBANCE WHEN WORKING IN THE CRAWLSPACE.

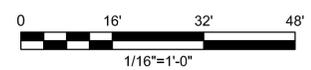
SHEET KEYED NOTES

- 1. NOT USED.
- 2. CONNECT TO EXISTING VTR ON ORIGINAL ROOF
- 3. NEW 2" VTR FROM BELOW

KEYPLAN

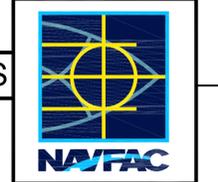


GRAPHIC SCALE



VENT ROOF PLAN
 1/16" = 1'-0"
 PLAN NORTH

NO.	DATE	DESCRIPTION
2	02/17/16	VENT PIPING MOD REMOVED
1		TITLE BLOCK REVISIONS



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CLARK • NEXSEN
 (a joint venture)
 5701 Cleveland Street
 Suite 200
 Virginia Beach, VA 23462

APPROVED	
FIR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 12/10/15
DES JH	DRW JB
CHK JC	
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
 DAM NECK ANNEX**
 ROOF VENT PLAN

SCALE:	1/16" = 1'-0"
PROJECT NO.:	1308656
CONSTR. CONTR. NO.	
NAVFAC DRAWINGS NO.	12704654
SHEET	125 OF 252
PL105	

FINAL DESIGN

PLOT DATE: 02/17/2016
 PLOT TIME: 2:01 PM

495211

PLOT DATE: \$PLOTDATE
 PLOT TIME: \$PLOTTIME

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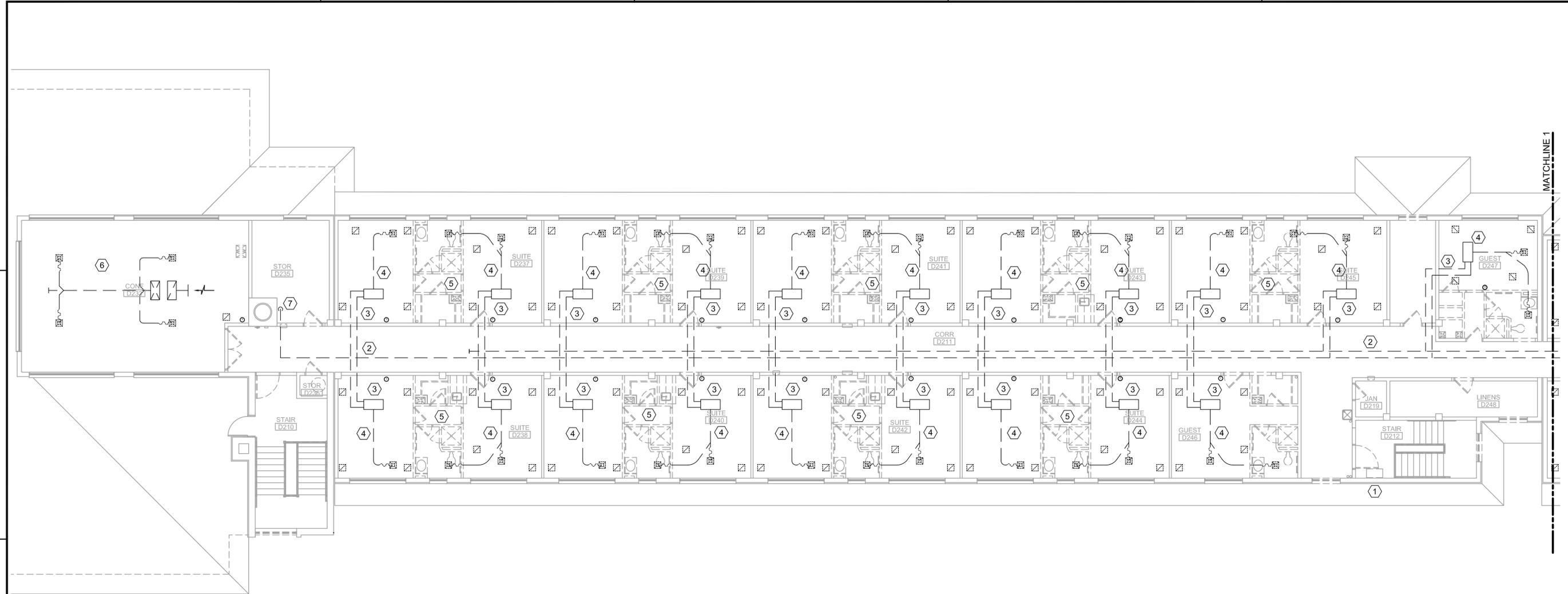
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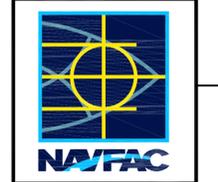
A



2ND FLOOR HVAC DEMOLITION PLAN-AREA "A"
1/8" = 1'-0"



NO.	DATE	DESCRIPTION
2	02/17/16	ROOFTOP UNIT SCOPE REMOVED
1		TITLE BLOCK REVISIONS



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APPROVED	A/E: JPH
FIR COMMANDER NAFAC	
ACTIVITY	
SATISFACTORY TO DATE	12/10/15
DES	JH DRW DHF CHK JC
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

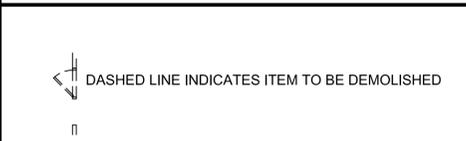
GENERAL DEMOLITION NOTES

- A. ALL DEMOLITION DEBRIS SHALL BE SEPARATED BY TYPE FOR RECYCLING TO COMPLY WITH LEED REQUIREMENTS.
- B. COORDINATE HAZARDOUS MATERIAL ABATEMENT WORK WITH THE INFORMATION AND INSTRUCTION FOUND IN BUILDING 225 RENOVATIONS: HAZARDOUS MATERIALS REPORT - NAVY GATEWAY INNS & SUITES.
- C. ALL HYDRONIC DISTRIBUTION PIPING PLUS HANGERS AND INSULATION ARE TO BE REMOVED, UNLESS OTHERWISE DIRECTED.
- D. DEMOLISH FAN COIL UNITS AND ENTIRE HVAC SYSTEM IN ALL SUITES.
- E. GROUND MOUNTED DOAS UNITS AND ALL ASSOCIATED DUCT WORK ARE TO BE DEMOLISHED.
- F. ALL EQUIPMENT AND MATERIALS TO BE DEMOLISHED MAY NOT BE SHOWN ON PLANS.
- G. THE SOIL IN THE CRAWL HAS BEEN TESTED AND CONTAINS ASBESTOS. THE GENERAL CONTRACTOR SHALL TAKE APPROPRIATE STEPS NECESSARY TO MINIMIZE SOIL DISTURBANCE WHEN WORKING IN THE CRAWLSPACE.

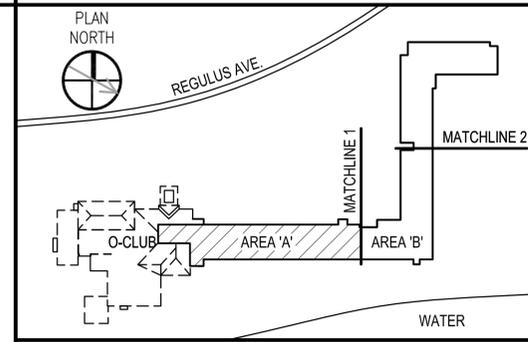
SHEET KEYED NOTES

- 1. REMOVE CABINET - STYLE FAN COIL UNIT.
- 2. REMOVE ALL CHILLED AND HOT WATER PIPING ABOVE CEILINGS IN HALLWAYS, AND STAIRS. SINGLE LINE REPRESENTS BOTH SUPPLY AND RETURN PIPE.
- 3. REMOVE ALL CHILLED AND HOT WATER IN ALL ROOMS. PATCH PENETRATION THRU CORRIDOR WALL WITH FIRESTOP.
- 4. REMOVE FAN COIL UNIT ABOVE CEILING AND ALL RELATED DUCTWORK, DIFFUSERS, GRILLES AND THERMOSTATS IN ALL ROOMS. TYPICAL LAYOUT AS SHOWN.
- 5. REMOVE ALL OA AND EA DUCT LOCATED IN CHASE. TYPICAL FOR ALL SUITES.
- 6. REMOVE ALL DUCT, DIFFUSERS, GRILLES AND THERMOSTATS ASSOCIATED WITH ROOFTOP UNIT, PREVIOUSLY REMOVED UNDER NEW ROOF CONTRACT.
- 7. HOT WATER PIPE DOWN TO MECHANICAL ROOM TO BE DEMOLISHED. SINGLE LINE REPRESENTS BOTH SUPPLY AND RETURN PIPE.

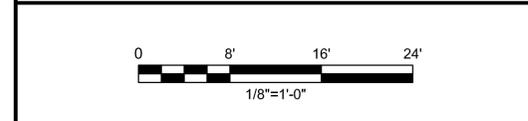
LEGEND



KEYPLAN



GRAPHIC SCALE



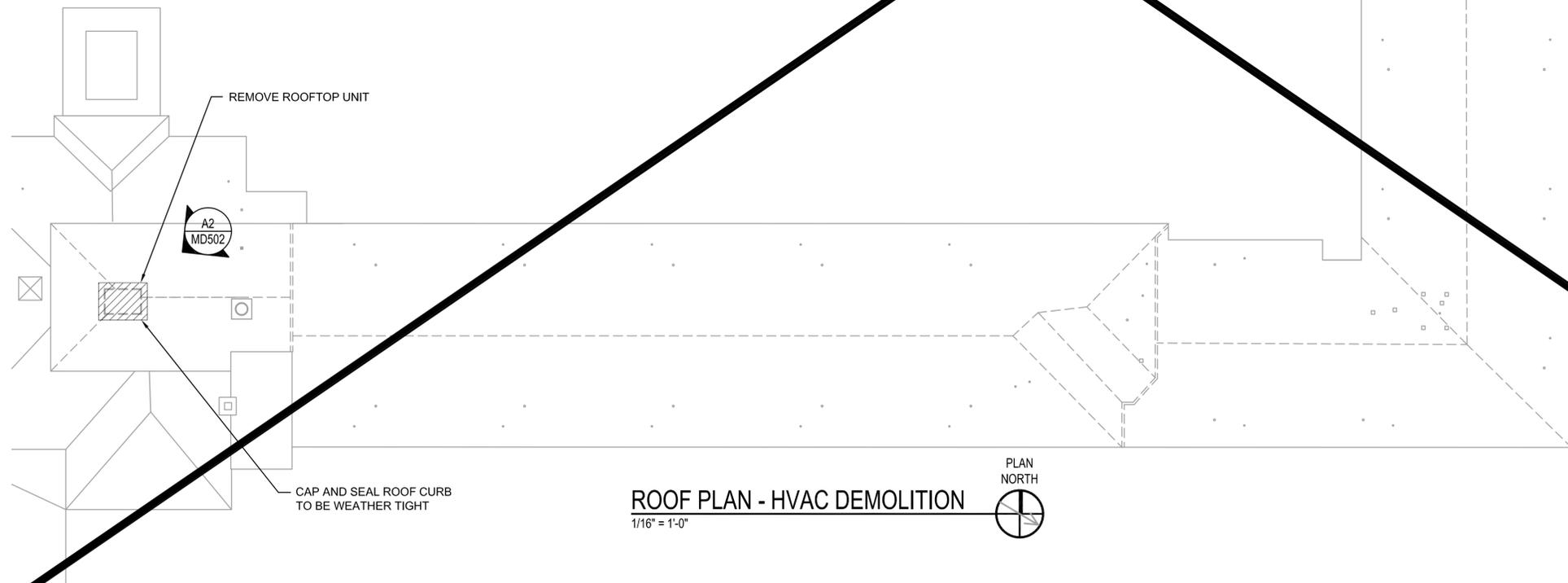
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**
2ND FLOOR HVAC DEMOLITION AREA PLAN A

SCALE:	1/8"=1'-0"
EPROJCT NO.:	1308656
CONSTR. CONTR. NO.	
NAFAC DRAWINGS NO.	12704677
SHEET	148 OF 252

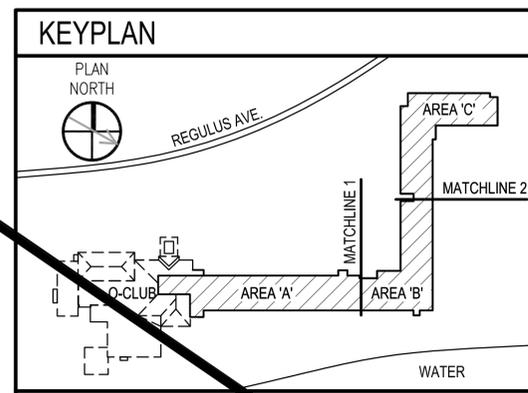
MD103
DRAWING REVISIONS: 10 MARCH 2009

PLOT DATE: 02/17/2016
PLOT TIME: 1:54 PM

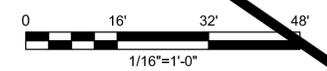
THIS DRAWING NOT IN CONTRACT



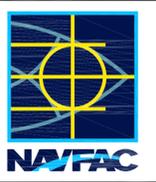
ROOF PLAN - HVAC DEMOLITION
1/16" = 1'-0"



GRAPHIC SCALE



NO.	DATE	DESCRIPTION
2	02/17/16	ROOFTOP UNIT SCOPE REMOVED
1		TITLE BLOCK REVISIONS



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Virginia Beach, VA 23462

APPROVED
FIR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 12/10/15
DES JH DRW DHF CHK JC
BRANCH MANAGER
CHIEF ENGINEER
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
VIRGINIA BEACH, VA
REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX
ROOF PLAN - HVAC DEMOLITION

SCALE: 1/16"=1'-0"
PROJECT NO.: 1308656
CONSTR. CONTR. NO.
NAVFAC DRAWINGS NO. 12704679
SHEET 150 OF 252

MD105

Grid lines 1, 2, 3, 4, 5 and A, B, C, D are present along the drawing boundaries.

PLOT DATE: 02/17/2016
PLOT TIME: 1:55 PM

PLOT DATE: \$PLOTDATE
PLOT TIME: \$PLOTTIME

495211

FINAL DESIGN



DEMO - COOLING TOWER
NTS MD102 (C1)



DEMO - CHILLER
NTS MD102 (C2)



DEMO - CHILLED WATER PUMPS
NTS MD102 (C4)

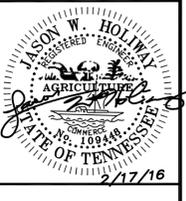
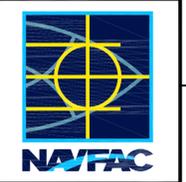


DEMO - LOUVER
NTS MD104 (A1)



DEMO - ROOFTOP UNIT
NTS MD105 (A2)

REV	DESCRIPTION	DATE
2	ROOFTOP UNIT SCOPE REMOVED	02/17/16
1	TITLE BLOCK REVISIONS	



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APPROVED	
FIR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 12/10/15
DES JH	DRW JB
CHK JC	
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**
HVAC DEMO DETAILS

SCALE:	NONE
PROJECT NO.:	1308656
CONSTR. CONTR. NO.	
NAVFAC DRAWINGS NO.	12704681
SHEET	152 OF 252
MD502	

FINAL DESIGN

PLOT DATE: 02/17/2016
PLOT TIME: 1:56 PM

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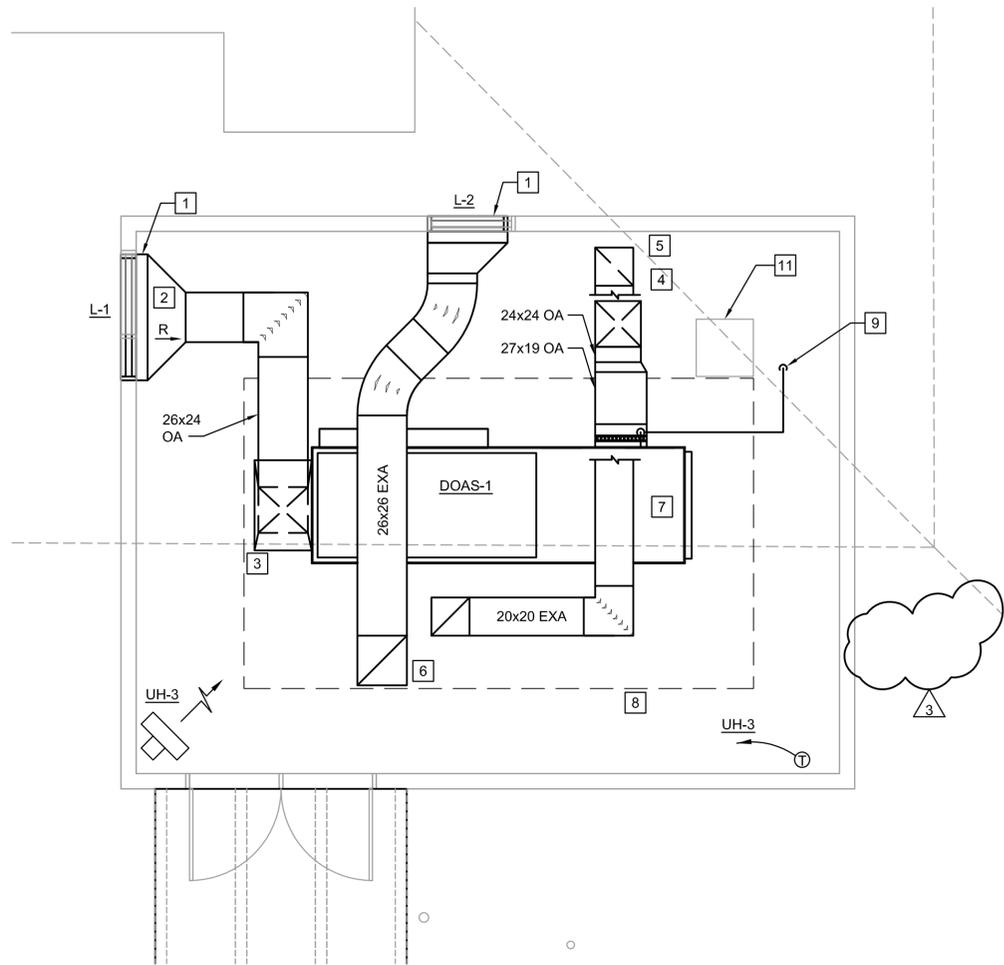
D

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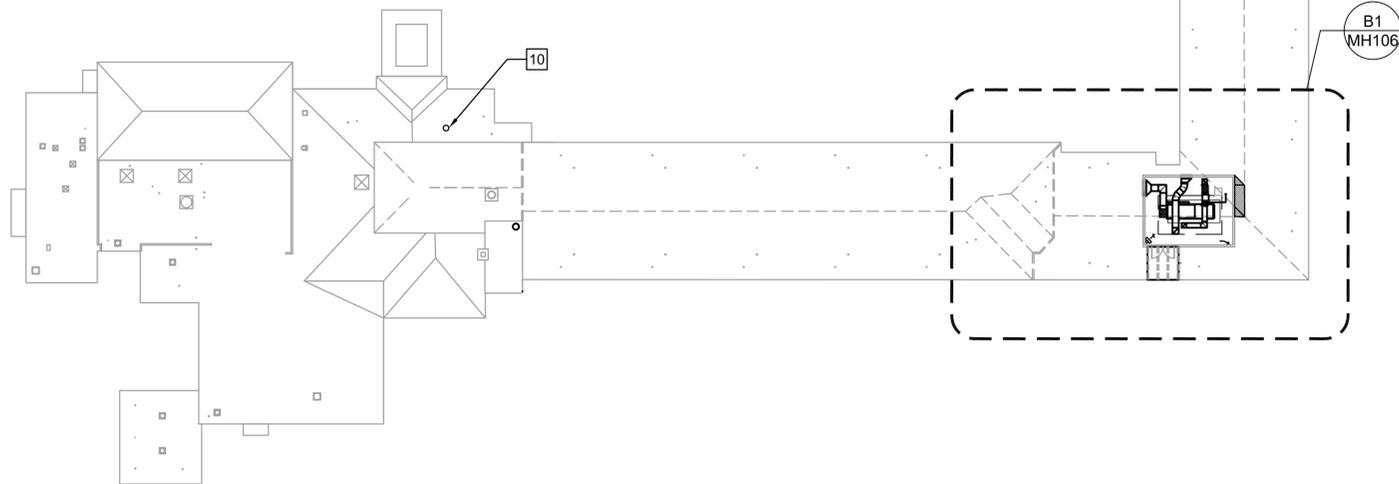
B

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PLOT DATE: 02/17/2016 PLOT TIME: 1:58 PM



ENLARGED ATTIC PLAN - HVAC (B1)
1/4"=1'-0"



OVERALL ATTIC PLAN - HVAC
1/32" = 1'-0"



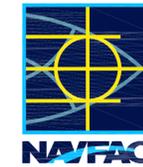
GENERAL MECHANICAL NOTES

- A. SEE DRAWING M-001 FOR NOTES, ABBREVIATIONS, AND LEGEND.
- B. THE SOIL IN THE CRAWL HAS BEEN TESTED AND CONTAINS ASBESTOS. THE GENERAL CONTRACTOR SHALL TAKE APPROPRIATE STEPS NECESSARY TO MINIMIZE SOIL DISTURBANCE WHEN WORKING IN THE CRAWLSPACE.

SHEET KEYED NOTES

1. 6" DEEP PLENUM BOX, FULL SIZE OF LOUVER PLUS TWO INCHES EXTENSION BELOW BOTTOM OF LOUVER. SLOPE BOTTOM OF PLENUM TO ONE CORNER AND INSTALL 3/4" DRAIN. ROUTE DRAIN TO SPILL ONTO ROOF (BASE BID) OR INTO GUTTER SYSTEM (BID OPTION 1).
2. TRANSITION PLENUM TO 26x24 OA DUCT.
3. TURN OA DUCT DOWN AND TRANSITION INTO TOP OF DOAS-1 INTAKE PLENUM. INTAKE PLENUM TO BE FULL SIZE OF OA INTAKE, AND USE TURNING VANES. CONNECT TO DOAS-1 WITH FLEXIBLE DUCT CONNECTOR.
4. TURN 24x24 OA DUCT DOWN AND ROUTE DUCT TO CRAWLSPACE.
5. 20x20 EXHAUST FROM CRAWLSPACE. TAKE TO 7'-0" AFF AND OVER TO DOAS-1 EXHAUST INTAKE.
6. 26x26 EXHAUST DUCT FROM DOAS-1. MINIMUM 2'-0" FROM DOAS-1 THEN TURN UP TO 7'-0" AFF OVER TO L-2.
7. MAXIMUM DOAS-1 DIMENSIONS ARE 16'-6"Lx5'-6"Wx8'-9"H W/66" CLEARANCE ON ONE SIDE FOR WHEEL REMOVAL AND 36" CLEARANCE ON ALL OTHER SIDES.
8. APPROXIMATE UNIT CLEARANCES.
9. 1 1/4" CONDENSATE LINE DN INTO PLUMBING CHASE IN JANITOR CLOSET. FOR CONTINUATION SEE MP104.
10. OUTDOOR AIR TEMPERATURE SENSOR. FACE SENSOR DUE NORTH.
11. PENTHOUSE ACCESS DOOR IN PENTHOUSE FLOOR.

NO.	DATE	DESCRIPTION
3	02/17/16	ROOFTOP UNIT SCOPE REMOVED
2		TITLE BLOCK REVISIONS
1		UPDATED DUCTWORK

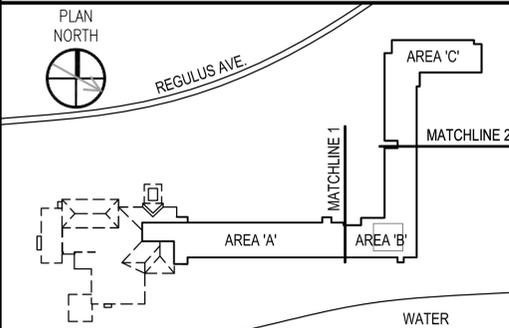


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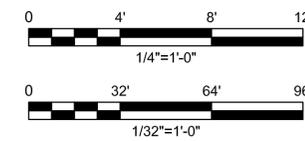
5701 Cleveland Street
Suite 200
Virginia Beach, VA 23462

APPROVED	A/E: INF3
FIR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	12/10/15
DES: JH	DRW: DHF
CHK: JC	
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

KEYPLAN



GRAPHIC SCALE



DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**
ATTIC PLAN - HVAC

SCALE:	AS NOTED
EPROJCT NO.:	1308656
CONSTR. CONTR. NO.	
NAVFAC DRAWINGS NO.	12704688
SHEET	159 OF 252
MH106	

FINAL DESIGN

SYMBOL DESCRIPTION

	CONNECTION POINT MADE BY ELECTRICAL CONTRACTOR, TO EQUIPMENT SPECIFIED, OR PROVIDED BY GOVERNMENT OR OTHER DISCIPLINES. RACEWAY, CONDUCTOR AND CONNECTION SPECIFIED IN DIVISION 26 AND 28. COORDINATE FINAL CONNECTION REQUIREMENTS WITH EQUIPMENT SUPPLIER.
	MAJOR ELECTRICAL COMPONENT OR DEVICE - NAME OR IDENTIFYING SYMBOL AS SHOWN.
	MOTOR CONNECTION, HORSE POWER INDICATED.
	WALL PACK SURFACE MOUNTED LUMINAIRE. SEE DRAWING FIXTURE HALF FILLED INDICATES EMERGENCY BATTERY PACK.
	EXIT LIGHTS. SEE DRAWING ARROW WHEN USED, INDICATES DIRECTION
	LOWER CASE LETTER AT SWITCH AND LUMINAIRE INDICATES SWITCHING. FIXTURE HALF FILLED INDICATES EMERGENCY BATTERY PACK.
	PHOTOCELL
	RECESSED CAN LIGHT FIXTURE. FIXTURE HALF FILLED INDICATES EMERGENCY BATTERY PACK
	LUMINAIRE AND POLE, SEE SCHEDULES.
	SURFACE MOUNTED CEILING FAN.
	SURFACE MOUNTED CEILING LUMINAIRE
	LIGHTING FIXTURE TYPE. SEE LUMINAIRE SCHEDULE ON E-630 AND E-631.
	POWER/RECEPTACLE HOMERUN, SEE LEGEND NOTE 4.
	EQUIPMENT HOMERUN, SEE LEGEND NOTE 5.
	LIGHTING HOMERUN, SEE LEGEND NOTE 6.
	LIGHTING CONTACTOR
	WIRING (CONDUIT AND CONDUCTORS UON) IN WALLS OR ABOVE CEILING, CONCEALED UON.

NOTE:
FOR REQUIREMENTS AND LIMITATIONS, SEE DETAILS AND SPECIFICATIONS. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE.

CIRCUIT CALLOUT, [3# 8 & 1# 10G - 3/4"C], CONDUCTOR, GROUND, AND CONDUIT SIZE WITH CONDUCTOR QUANTITY AND CONDUIT SIZE AS INDICATED

CONDUIT DOWN
 CONDUIT UP

SYMBOL DESCRIPTION

	SWITCH: 2 - BACKLIT & WIDE ROCKER SWITCH DOUBLE POLE 3 - THREE WAY 4 - FOUR WAY F - FAN-RATED SPEED CONTROL P - PILOT LIGHT WP - WEATHERPROOF OC - OCC SENSOR 1 CKT, LINE VOLTAGE, DUAL TECHNOLOGY 1 - 1 CKT, LOW VOLTAGE, DUAL TECHNOLOGY 2 - 2 CKT, LINE VOLTAGE, DUAL TECHNOLOGY
	WALL SWITCH
	MOTOR SWITCH M - MOTOR RATED TOGGLE SWITCH WITHOUT OVERLOADS MS - MANUAL MOTOR STARTER WITH OVERLOADS
	CONTROL STATION - MOUNT 48" AFF.
	DUPLEX CONVENIENCE RECEPTACLE, 18" BOTTOM OF RECEPTACLE AFF UON WP - WEATHERPROOF GFI - GFCI
	FOURPLEX RECEPTACLE
	CEILING MOUNTED RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE, NEMA CONFIGURATION AS NOTED.
	BOILER E-STOP PUSHBUTTON
	OCCUPANCY SENSOR, CEILING MOUNTED DUAL TECHNOLOGY, LOW VOLTAGE, SINGLE CIRCUIT (OMNI-DIRECTIONAL)
	DRY TYPE TRANSFORMER
	PADMOUNTED TRANSFORMER, EXISTING
	DISCONNECT SWITCH, 250V RATED. 3P INDICATES NUMBER OF POLES 60 INDICATES SWITCH AMP RATING NF INDICATES NON FUSIBLE.
	VFD WITH COMBINATION DISCONNECT
	COMBINATION (FUSE OR CIRCUIT BREAKER AS INDICATED) MAGNETIC STARTER, SEE CONTROL DIAGRAM

SYMBOL DESCRIPTION

	GROUND FAULT RELAY WITH CT
	CURRENT TRANSFORMER, RATIO AND NUMBER INDICATED
	MAGNETIC STARTER WITH NEMA SIZE INDICATED
	DRAWOUT AIR CIRCUIT BREAKER, LOW VOLTAGE
	CIRCUIT BREAKER, MAGNETIC TRIP ONLY, FRAME SIZE SHOWN, 3 POLE UNLESS INDICATED OTHERWISE.
	CIRCUIT BREAKER, THERMAL MAGNETIC TRIP SHOWN, 3 POLE UNLESS INDICATED OTHERWISE. LSIG DENOTES 9-FUNCTION ELECTRONIC TRIP WITH ADJUSTABLE LONG TIME, SHORT TIME, INSTANTANEOUS AND GROUND FAULT SETTINGS. 100% DENOTES CONTINUOUS DUTY AT RATED TRIP.
	SWITCH - CURRENT RATING INDICATED, 3 POLE UNLESS INDICATED OTHERWISE.
	FUSE - RATING INDICATED
	METER WITH SWITCH - SCALE RANGE SHOWN
	GROUND
	TRANSFORMER, AS INDICATED
	CIRCUIT BREAKER WITH ELECTRIC OPERATOR
	NEW ELECTRICAL PANEL, 208Y/120V, 3 - PHASE, 4 - WIRE
	EXISTING ELECTRICAL PANEL
	NEW WORK CONNECTION TO EXISTING WORK

LEGEND NOTES:

- FOR ADDITIONAL ABBREVIATIONS OF OTHER DIVISIONS, FOR HVAC, MECHANICAL, AND STRUCTURAL/ARCHITECTURAL. SEE OTHER LEGENDS.
- WHERE BRANCH CIRCUIT HOMERUNS ARE LABELED "SPLIT CIRCUIT" (SC), THE BRANCH CIRCUIT NUMBER INDICATED HAS BEEN USED ON MORE THAN ONE HOMERUN INDICATOR. INSTALL ONLY ONE CONDUCTOR PER CIRCUIT BREAKER POLE WITHIN THE PANELBOARD ENCLOSURE. SPLICES NECESSARY TO COMPLY WITH THE REQUIREMENT SHALL BE MADE IN A SEPARATE SPLICE BOX OUTSIDE THE PANEL BOARD ENCLOSURE.
- WHERE A NEW-TO-EXISTING CONNECTION IS INDICATED, PROVIDE MATERIALS AND LABOR REQUIRED TO MAKE THE CONNECTION.
- HOMERUN TO PANEL; PANEL AND CIRCUIT AS INDICATED. HOMERUN 2 #12 CONDUCTORS AND 1 #12 GND IN 1/2" CONDUIT, UNLESS CIRCUIT CALLOUT IS NOTED AS INDICATED ON THIS LEGEND.
- HOMERUNS TO EQUIPMENT DENOTED WITH EQUIPMENT TAGS INDICATE SOURCE PANEL EQUIPMENT IS FED FROM. REFER TO EQUIPMENT CONNECTION SCHEDULES ON E-620 AND E-621 FOR CONDUIT AND CONDUCTOR SIZING.
- HOMERUNS FOR LIGHTING INDICATE SOURCE PANEL AND CIRCUIT. CONTRACTOR TO PROVIDE APPROPRIATE CONDUCTOR COUNT FOR LIGHTING CIRCUIT HOT, NEUTRAL, GROUND, SWITCHED AND UNSWITCHED AS REQUIRED. CIRCUIT HOT, NEUTRAL, GROUND, SWITCHED AND UNSWITCHED CONDUCTORS ARE #12 IN 1/2" CONDUIT UNLESS CIRCUIT CALLOUT IS NOTED AS INDICATED ON THIS LEGEND.

D

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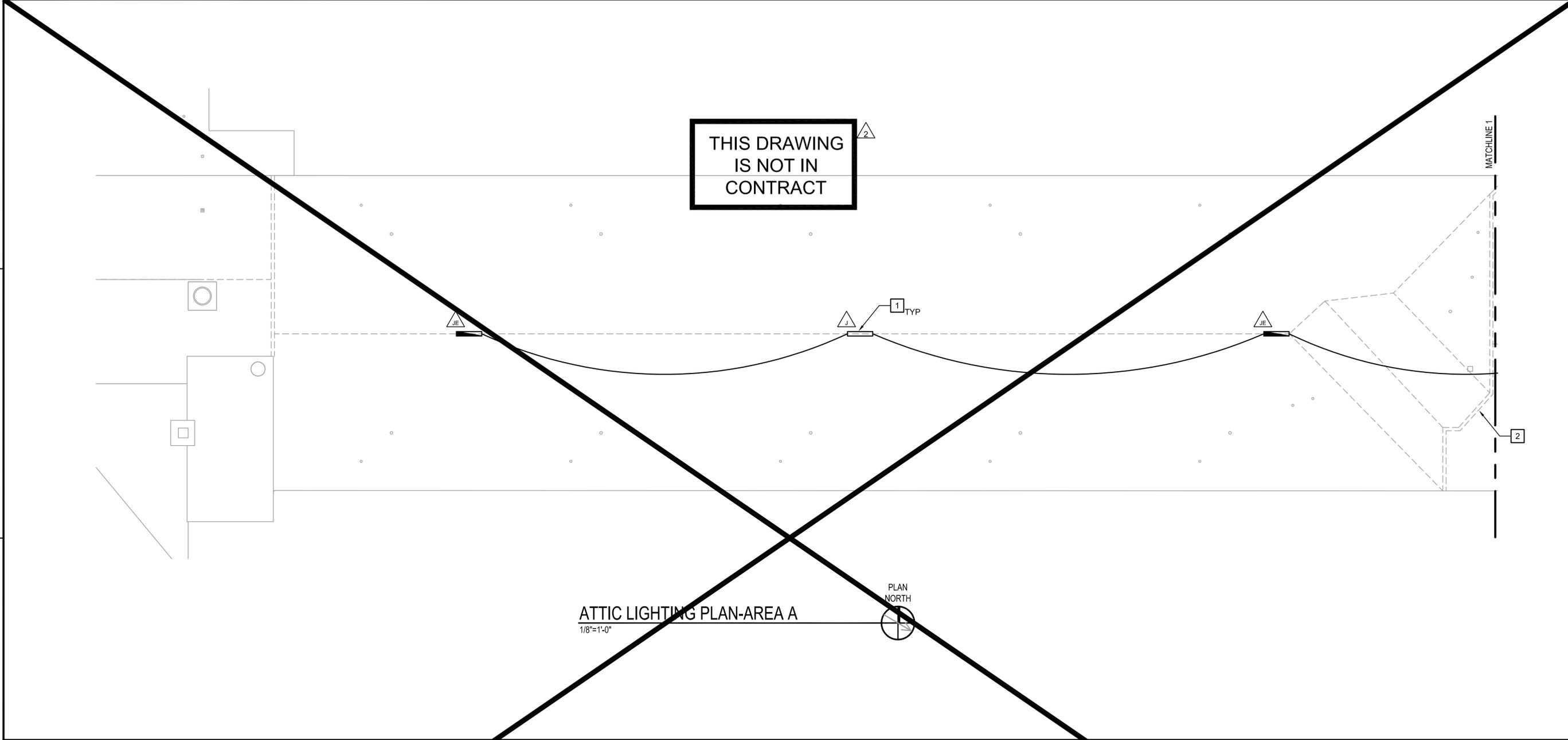
C

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A

DATE	02/17/16
DESCRIPTION	ADDED FAN SWITCH SYMBOL
DATE	02/17/16
DESCRIPTION	TITLE BLOCK REVISIONS
DATE	2
DESCRIPTION	1
 CH2MHILL CLARK • NEXSEN (a joint venture) 5701 Cleveland Street Suite 200 Virginia Beach, VA 23462 <small>A/E INF2</small>	
APPROVED	
FOR COMMANDER NAFAC	
ACTIVITY	
SATISFACTORY TO	DATE 12/10/15
DES LHC	DRW MJA
CHK CRJ	
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND VIRGINIA BEACH, VA REPAIRS TO NGIS BUILDING 225 DAM NECK ANNEX LEGEND	
SCALE:	NONE
PROJECT NO.:	1308656
CONSTR. CONTR. NO.	
NAVFAC DRAWINGS NO.	12704718
SHEET	189 OF 252
E-001	
<small>DRAWING REVISIONS: 10 MARCH 2009</small>	

PLOT DATE: 02/17/2016
PLOT TIME: 2:34 PM



THIS DRAWING IS NOT IN CONTRACT

ATTIC LIGHTING PLAN-AREA A
1/8"=1'-0"



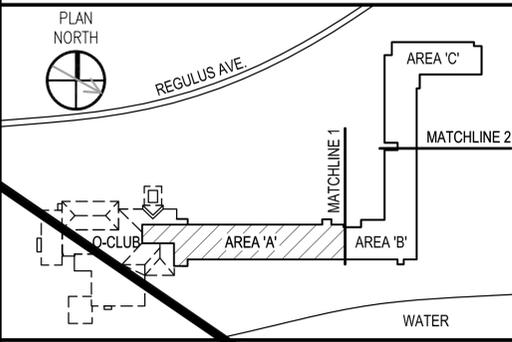
GENERAL LIGHTING NOTES

- A. SEE DRAWINGS E-001 AND E-002 FOR NOTES, ABBREVIATIONS, AND LEGEND.
- B. FOR GENERAL LIGHTING NOTES SEE DRAWING EL101.

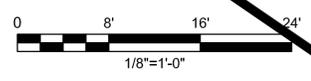
SHEET KEYED NOTES

- 1. SUSPEND FIXTURES 8'-0" ABOVE ATTIC FLOOR.
- 2. EXISTING EXPANSION JOINT. PROVIDE EXPANSION COUPLING IN THE CONDUIT RUN THAT PASSES OVER THE EXPANSION JOINT.

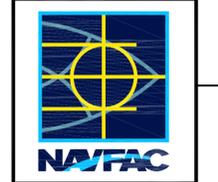
KEYPLAN



GRAPHIC SCALE



DATE	DESCRIPTION	BY	CHK
02/17/16	ROOFTOP SCOPE REMOVED		
	TITLE BLOCK REVISIONS	1	



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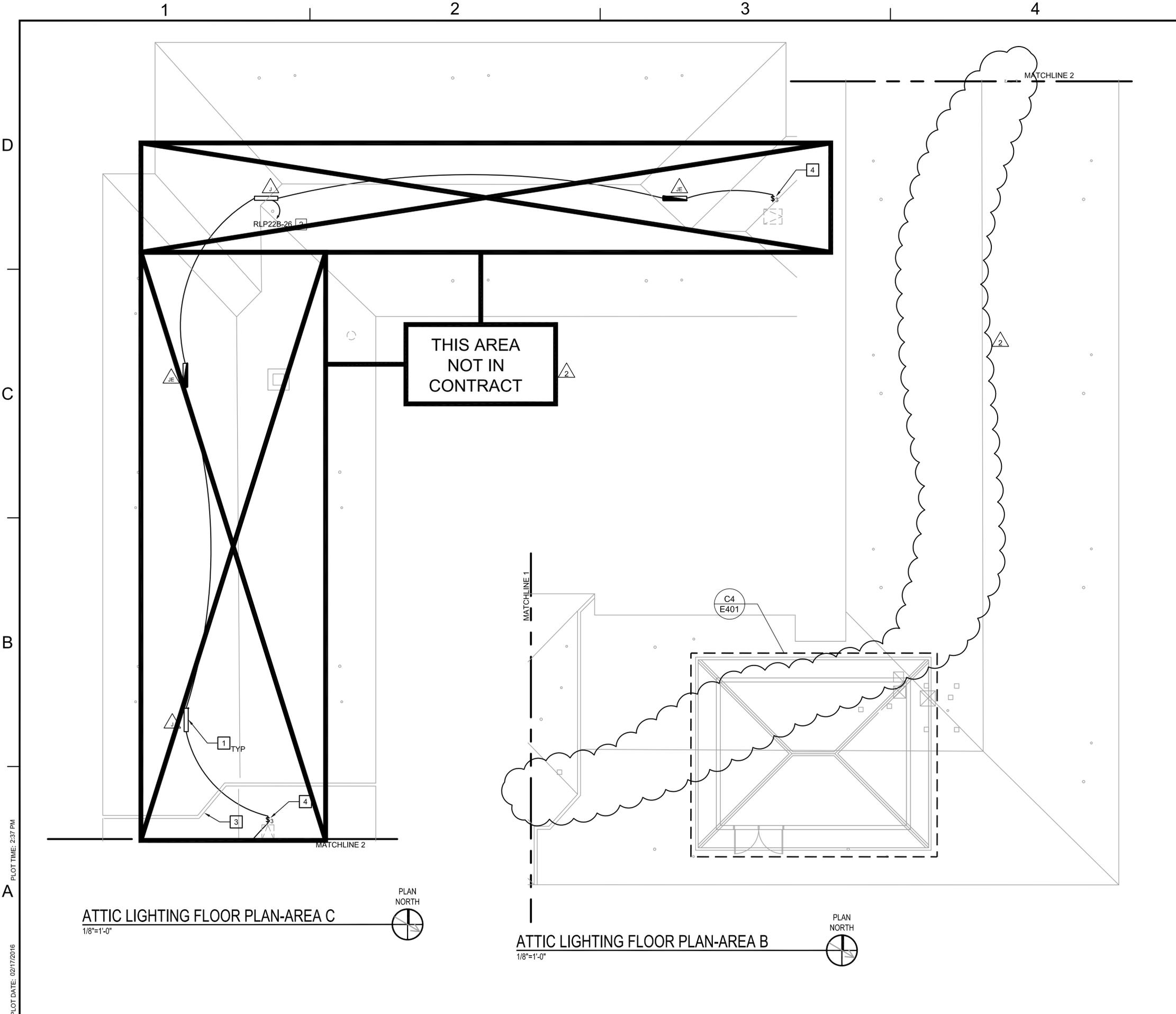
APPROVED	
FIR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	12/10/15
DES	LHC
DRW	MJA
CHK	CRJ
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDJANT
VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**
ATTIC LIGHTING PLAN AREA A

SCALE:	AS NOTED
PROJECT NO.:	1308656
CONSTR. CONTR. NO.	
NAVFAC DRAWINGS NO.	12704731
SHEET	202 OF 252

EL105
DRAWING REVISIONS: 10 MARCH 2009

PLOT DATE: 02/17/2016 PLOT TIME: 2:38 PM



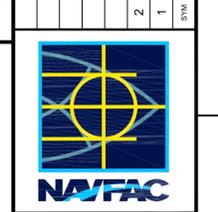
GENERAL LIGHTING NOTES

- A. SEE DRAWINGS E-001 AND E-002 FOR NOTES, ABBREVIATIONS, AND LEGEND.
- B. FOR GENERAL LIGHTING NOTES SEE DRAWING EL101.

SHEET KEYED NOTES

1. SUSPEND FIXTURES AT 8'-0" ABOVE ATTIC FLOOR.
2. PANEL LOCATION IN ROOM 2266. REFER TO DRAWINGS EP104 AND E-401 FOR LOCATION.
3. EXISTING EXPANSION JOINT. PROVIDE EXPANSION COUPLING IN THE CONDUIT RUN THAT PASSES OVER THE EXPANSION JOINT.
4. MOUNT LIGHT SWITCHES NEAR ATTIC ACCESS POINTS. PROVIDE PEDESTAL MOUNT FOR SWITCH PER DETAIL A1, E-501

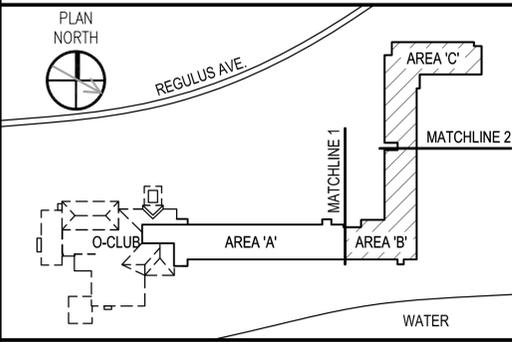
DATE	DESCRIPTION	BY	CHK
02/17/16	ROOFTOP SCOPE REMOVED		
	TITLE BLOCK REVISIONS		



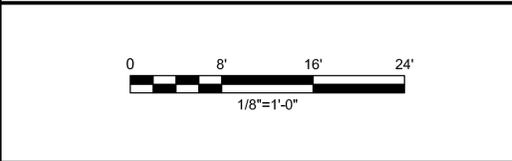
CH2MHILL
CLARK • NEXSEN
 (a joint venture)
 5701 Cleveland Street
 Suite 200
 Virginia Beach, VA 23462

APPROVED	
FIR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	12/10/15
DES	GK
DRW	BA
CHK	CRJ
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

KEYPLAN



GRAPHIC SCALE



DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 VIRGINIA BEACH, VA
 REPAIRS TO NGIS BUILDING 225
 DAM NECK ANNEX
 ATTIC LIGHTING PLAN AREA B & C

SCALE:	1/8"=1'-0"
PROJECT NO.:	1308656
CONSTR. CONTR. NO.:	
NAVFAC DRAWINGS NO.:	12704732
SHEET	203 OF 252
EL106	

PLOT DATE: 02/17/2016 PLOT TIME: 2:37 PM

1

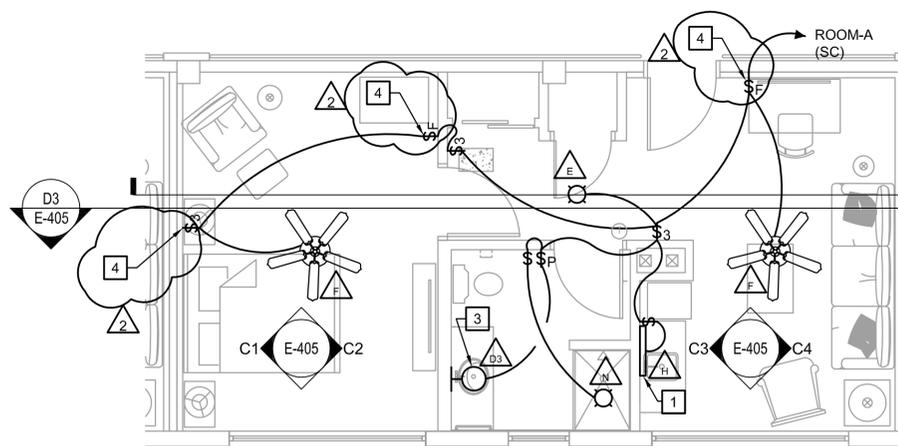
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D

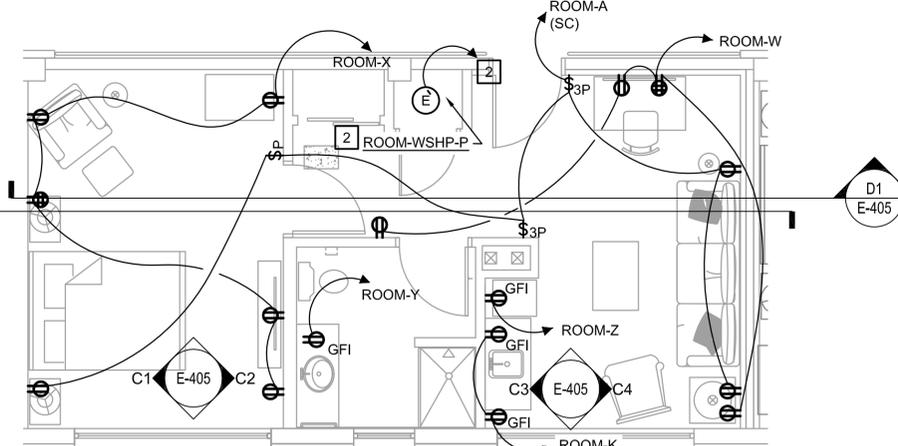


TYPE I SUITE ENLARGED LIGHTING PLAN

1/4"=1'-0"

EL101 THRU EL104

D1



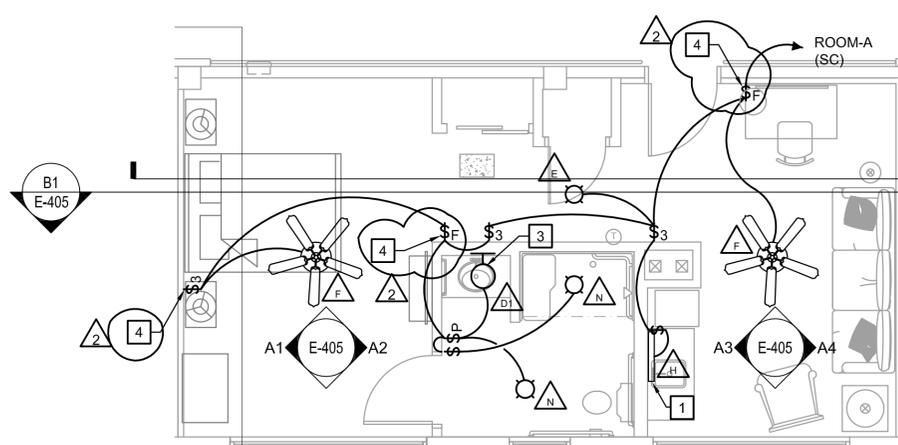
TYPE I SUITE ENLARGED POWER PLAN

1/4"=1'-0"

EP101 THRU EP104

D3

C

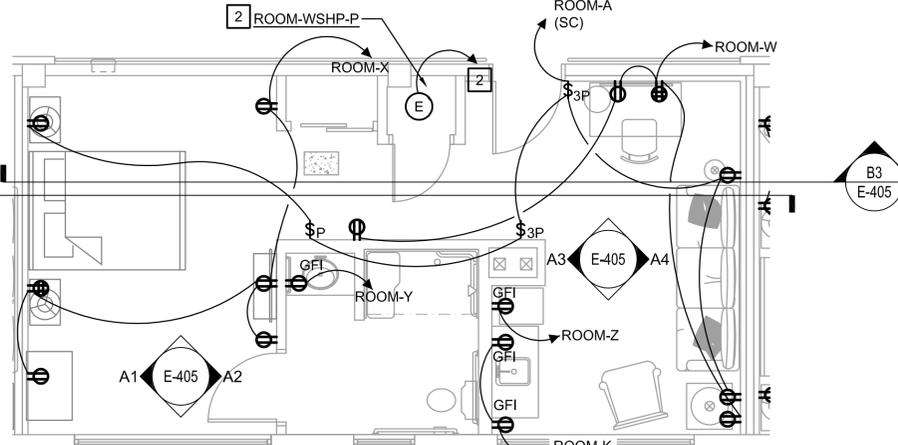


TYPE II SUITE (ADAAG) ENLARGED LIGHTING PLAN

1/4"=1'-0"

EL101 AND EL102

B1



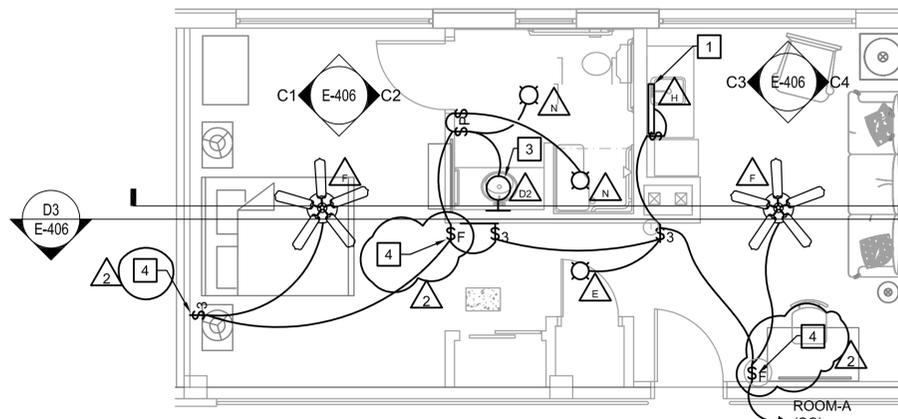
TYPE II SUITE (ADAAG) ENLARGED POWER PLAN

1/4"=1'-0"

EP101 AND EP102

B3

B

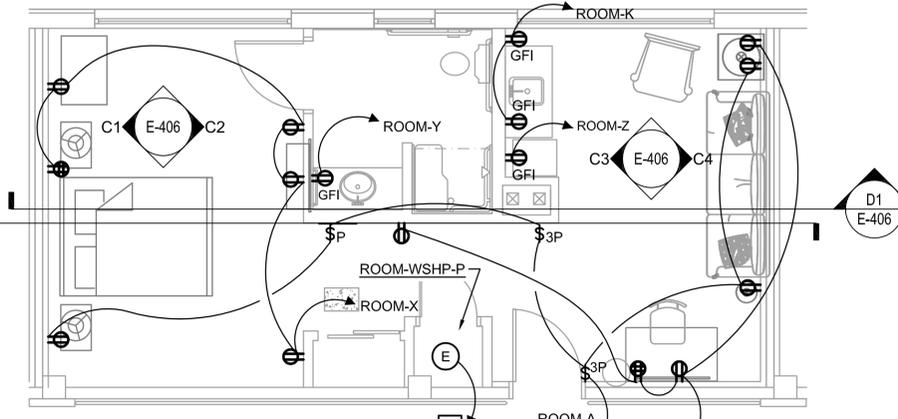


TYPE III SUITE (ADAAG) ENLARGED LIGHTING PLAN

1/4"=1'-0"

EL101 AND EL102

A1



TYPE III SUITE (ADAAG) ENLARGED POWER PLAN

1/4"=1'-0"

EP101 AND EP102

A3

A

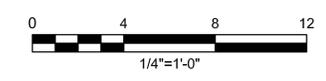
GENERAL ELECTRICAL NOTES

- A. SEE DRAWINGS E-001 AND E-002 FOR NOTES, ABBREVIATIONS, AND LEGEND.
- B. SEE DRAWINGS E-405 AND E-406 FOR RECEPTACLE AND SWITCH ELEVATION LOCATIONS.
- C. THIS IS A TYPICAL SUITE POWER AND LIGHTING LAYOUT. ALL CIRCUIT DESIGNATIONS ARE "ROOM-LETTER", LETTER BEING ONE ALPHA CHARACTER. THE "ROOM" WILL BE THE ACTUAL ROOM NUMBER, "2134". THE ALPHA CHARACTER, "A", WILL BE THE CIRCUIT DESCRIPTION ON THE PANEL SCHEDULE, FOR INSTANCE "2134-A". REFER TO POWER PLANS TO INDICATE WHICH PANEL EACH ROOM IS FED FROM.
- D. ROOM LAYOUTS ARE DESIGNATED BY TYPE, FOLLOWED BY ROMAN NUMERALS I, II, AND III. THESE CORRELATE TO THE TYPES SHOWN AT THE SUITES ON THE LIGHTING AND POWER PLANS.
- E. SEE DRAWINGS E-610 THRU E-614 FOR PANEL SCHEDULES.
- F. SEE DRAWINGS E-630 AND E-631 FOR LUMINAIRE SCHEDULE.
- G. PROVIDE [2#12 & 1#12G - 1/2"C] FOR ALL RECEPTACLE AND LIGHTING CIRCUITS, UON, WITHIN EACH SUITE. ALL BRANCH CIRCUITS (LIGHTING, POWER AND WSHP) TO BE COMBINED IN HOMERUN CONDUIT TO ELECTRICAL ROOM AS NOTED ON POWER PLANS. REFER TO POWER PLANS FOR PANELBOARD DESIGNATIONS FOR EACH SUITE.
- H. PROVIDE [3#12 & 1#12G - 1/2"C] BETWEEN ALL 3-WAY LIGHT SWITCHES, WITHIN EACH SUITE.
- I. MOUNT TOP OF COUNTER RECEPTACLES AT 6" ABOVE BACK SPLASH.
- J. PROVIDE GFCI RECEPTACLES FOR ALL COUNTERTOP RECEPTACLES AND ALL RECEPTACLES WITH IN 6 FEET OF SINKS.

SHEET KEYED NOTES

- 1. PROVIDE LUMINAIRE "H" FOR UNDER CABINET LIGHT.
- 2. REFER TO EQUIPMENT SCHEDULES FOR WSHP CONDUIT AND CONDUCTOR SIZING FOR EACH SUITE. WSHP CONDUCTORS IN SUITES TO BE ROUTED IN HOME RUN CONDUIT AS PER GENERAL NOTES, AND PER KEYED NOTE 1 ON DRAWINGS EP101 THRU EP104.
- 3. MOUNT TOP OF FIXTURE AT 7'-0" AFF. CENTER FIXTURE OVER BATHROOM SINK.
- 4. PROVIDE SINGLE SPEED CONTROL OR 3-WAY AS SHOWN FOR THE CEILING FAN.

GRAPHIC SCALE



DATE	02/17/16
DESCRIPTION	TITLE BLOCK REVISIONS
NO.	1
DATE	
DESCRIPTION	
CH2MHILL CLARK • NEXSEN (a joint venture)	
5701 Cleveland Street Suite 200 Virginia Beach, VA 23462	
APPROVED	A/E: [Signature]
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND VIRGINIA BEACH, VA REPAIRS TO NGIS BUILDING 225 DAM NECK ANNEX SUITE ENLARGED ELECTRICAL PLANS	
SCALE:	1/4"=1'-0"
PROJECT NO.:	1308656
CONSTR. CONTR. NO.:	
NAVFAC DRAWINGS NO.:	12704743
SHEET:	214 OF 252
E-402	
FINAL DESIGN	

PLOT DATE: 02/17/2016 PLOT TIME: 2:38 PM

495211

1

PLOT DATE: \$PLOTDATE

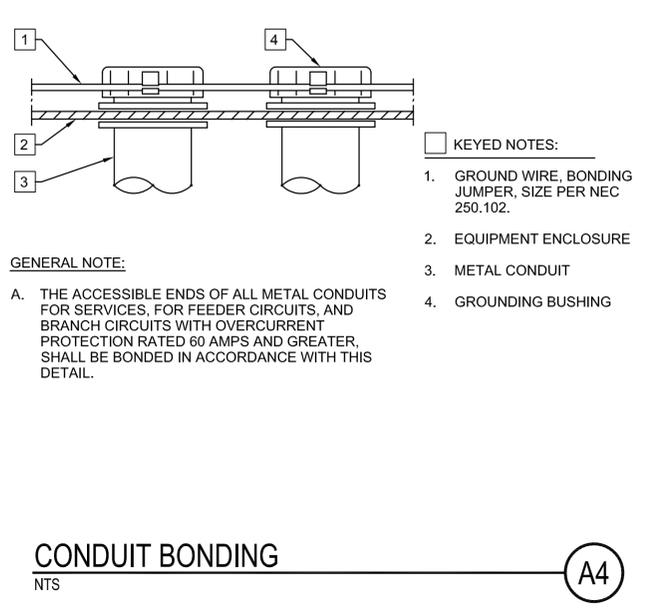
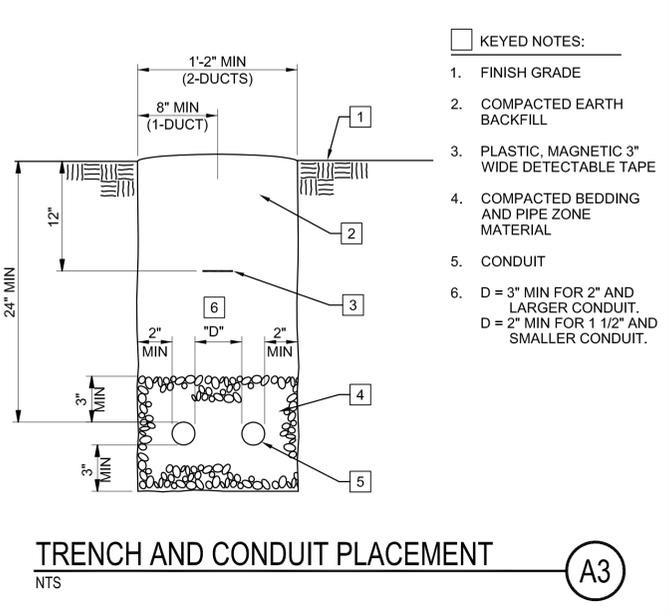
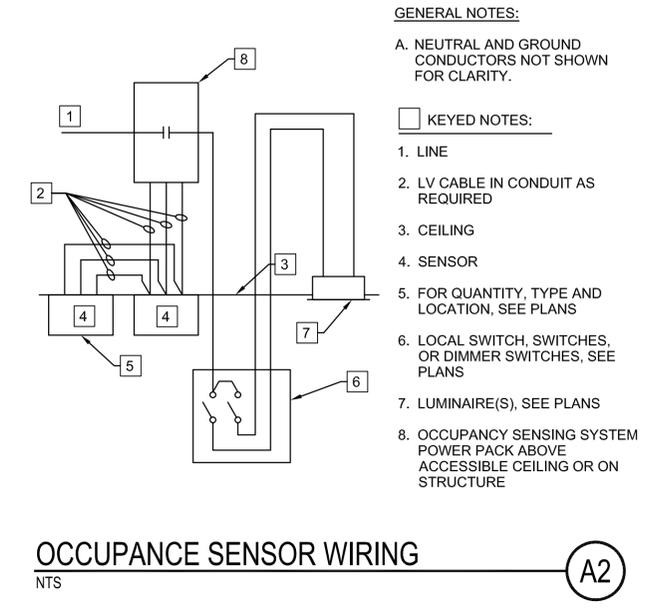
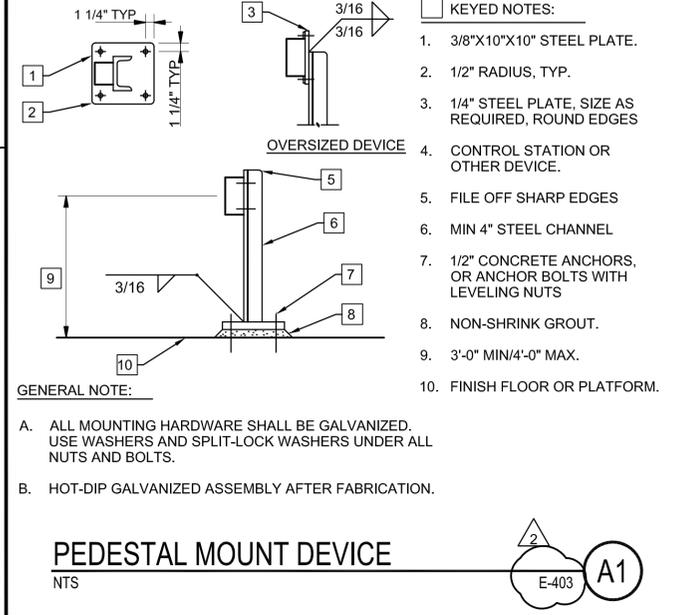
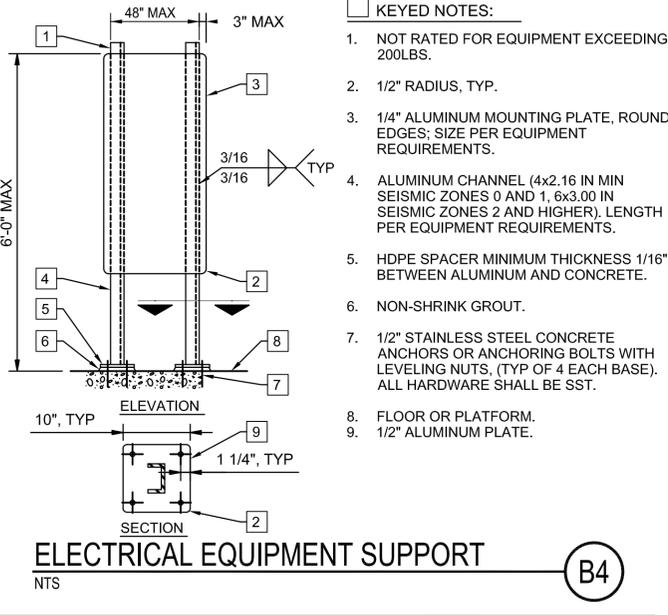
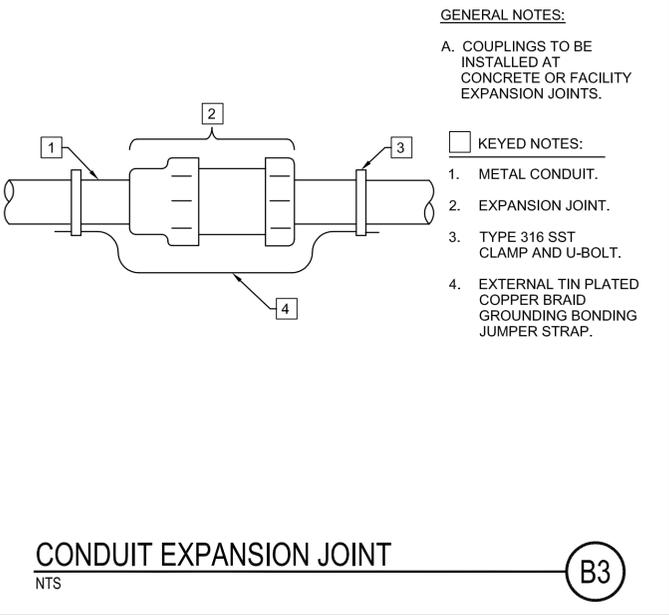
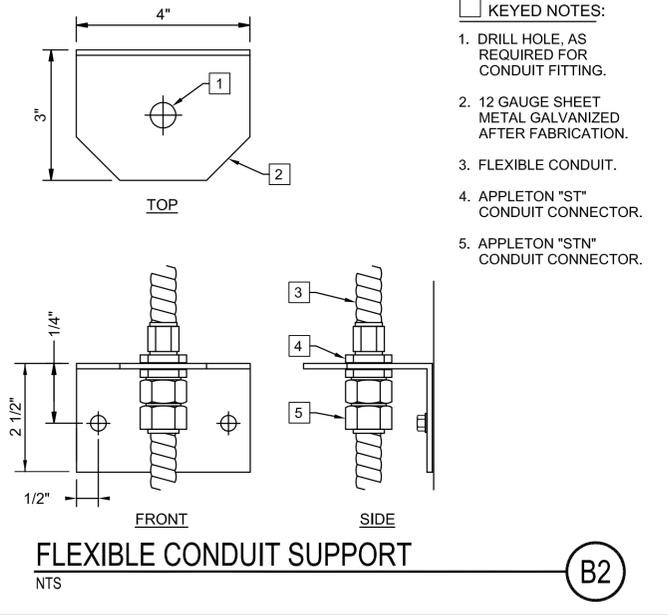
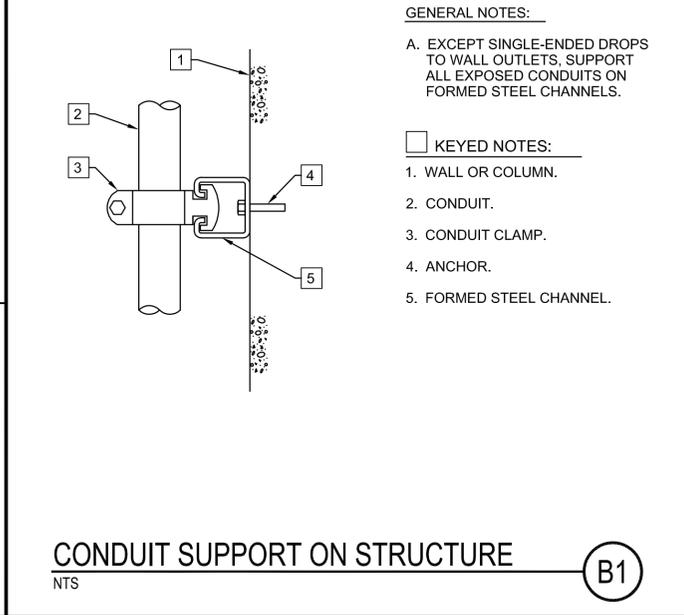
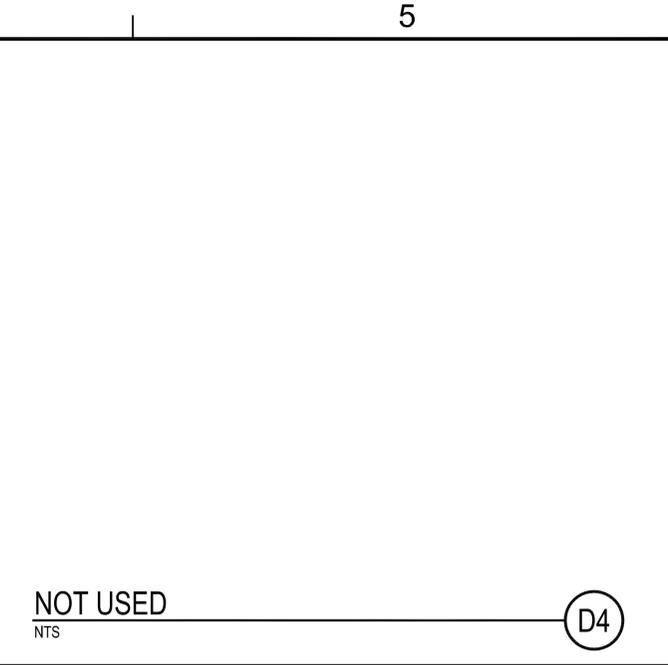
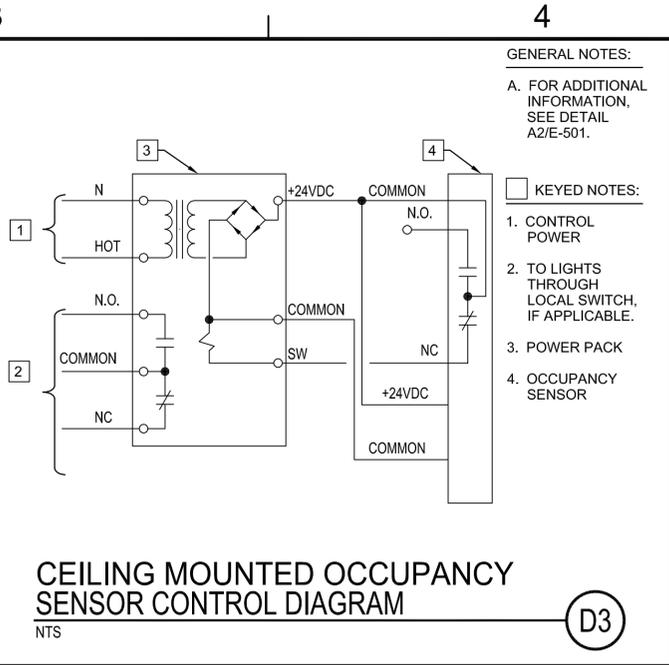
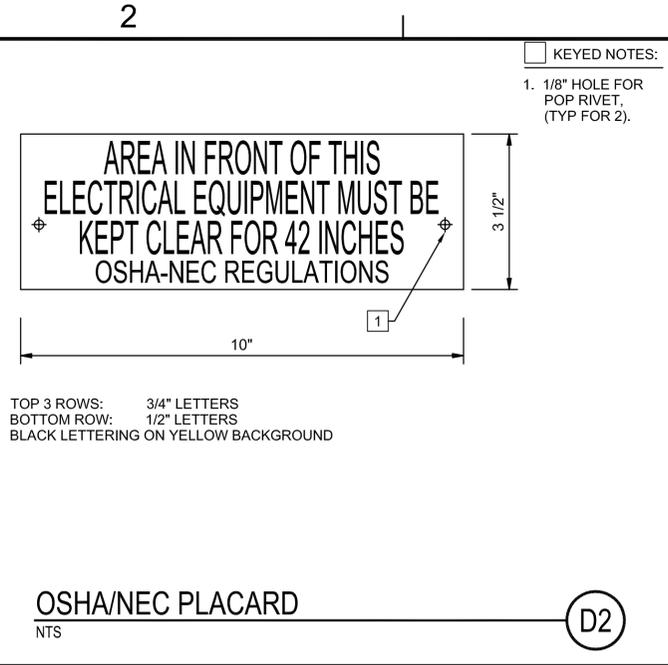
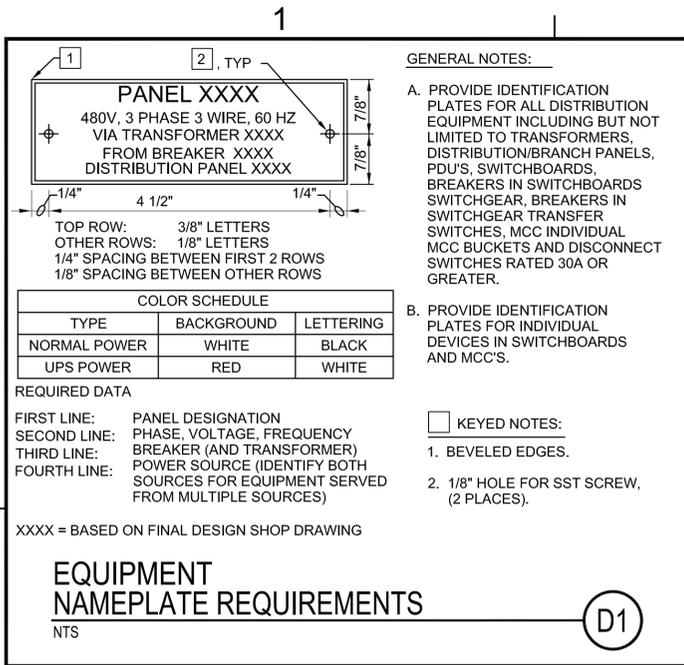
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PLOT TIME: \$PLOTTIME

3

4

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DATE	02/17/16
DESCRIPTION	TITLE BLOCK REVISIONS
NO.	1
BY	

CH2MHILL CLARK NEXSEN
(a joint venture)
5701 Cleveland Street
Suite 200
Virginia Beach, VA 23462

APPROVED: _____
FOR COMMANDER NAVFAC
ACTIVITY: _____

SATISFACTORY TO: _____ DATE: 12/10/15
DES: LHC | DRW: JG | CHK: CRJ

BRANCH MANAGER: _____
CHIEF ENGINEER: _____
FIRE PROTECTION: _____

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MIDLAND
VIRGINIA BEACH, VA
**REPAIRS TO NGIS BUILDING 225
DAM NECK ANNEX**
DETAILS

SCALE: NONE
PROJECT NO.: 1308656
CONSTR. CONTR. NO.: _____
NAVFAC DRAWING NO.: 12704748
SHEET 219 OF 252
E-501
DRAWING REVISIONS TO: 10 MARCH 2009

DESCRIPTION	OPT	LOAD	TRIP	WIRE SIZE	NO.	A	B	C	NO.	WIRE SIZE	TRIP	LOAD	OPT	DESCRIPTION
PANEL RLP22A	3	6336	100	#2	1	-A	-	-	2	#6	50	720	3	PANEL PT22
		10680		#2	3	-B	-	-	4	#6	-	1200		
		7560		#2	5	-C	-	-	6	#6	-	1200		
PANEL RLP22B	3	11416	100	#2	7	-A	-	-	8	#2	100	7759	3	PANEL PP22A
		11360		#2	9	-B	-	-	10	#2	-	7343		
		9482		#2	11	-C	-	-	12	#2	-	6532		
SPACE	0	0			13	-A	-	-	14			0		SPACE
SPACE	0	0			15	-B	-	-	16			0		SPACE
SPACE	0	0			17	-C	-	-	18			0		SPACE
SPACE	0	0			19	-A	-	-	20			0		SPACE
SPACE	0	0			21	-B	-	-	22			0		SPACE
SPACE	0	0			23	-C	-	-	24			0		SPACE
SPACE	0	0			25	-A	-	-	26			0		SPACE
SPACE	0	0			27	-B	-	-	28			0		SPACE
SPACE	0	0			29	-C	-	-	30			0		SPACE
SPACE	0	0			31	-A	-	-	32			0		SPACE
SPACE	0	0			33	-B	-	-	34			0		SPACE
SPACE	0	0			35	-C	-	-	36			0		SPACE
SPACE	0	0			37	-A	-	-	38			0		SPACE
SPACE	0	0			39	-B	-	-	40			0		SPACE
SPACE	0	0			41	-C	-	-	42			0		SPACE

Connected Load

Options:

TOTAL LOAD PHASE A = 26231
 TOTAL LOAD PHASE B = 30583
 TOTAL LOAD PHASE C = 24774
 TOTAL LOAD = 81588
 TOTAL AMPS = 226.73

Demand Load
123 A

DESCRIPTION	OPT	LOAD	TRIP	WIRE SIZE	NO.	A	B	C	NO.	WIRE SIZE	TRIP	LOAD	OPT	DESCRIPTION
2270-A		876	20	#10	1	-A	-	-	2	#10	20	876		2273-A
2270-X		1080	20	#10	3	-B	-	-	4	#10	20	1080		2273-X
2270-W		900	20	#10	5	-C	-	-	6	#10	20	900		2273-W
2270-Y		180	20	#10	7	-A	-	-	8	#10	20	180		2273-Y
2270-Z		700	20	#10	9	-B	-	-	10	#10	20	700		2273-Z
2270-K		360	20	#10	11	-C	-	-	12	#10	20	360		2273-K
2272-A		876	20	#10	13	-A	-	-	14	#10	20	876		2271-A
2272-X		1080	20	#10	15	-B	-	-	16	#10	20	1080		2271-X
2272-W		900	20	#10	17	-C	-	-	18	#10	20	900		2271-W
2272-Y		180	20	#10	19	-A	-	-	20	#10	20	180		2271-Y
2272-Z		700	20	#10	21	-B	-	-	22	#10	20	700		2271-Z
2272-K		360	20	#10	23	-C	-	-	24	#10	20	360		2271-K
2269-A		876	20	#10	25	-A	-	-	26	#10	20	876		2267-A
2269-X		1080	20	#10	27	-B	-	-	28	#10	20	1080		2267-X
2269-W		900	20	#10	29	-C	-	-	30	#10	20	900		2267-W
2269-Y		180	20	#10	31	-A	-	-	32	#10	20	180		2267-Y
2269-Z		700	20	#10	33	-B	-	-	34	#10	20	700		2267-Z
2269-K		360	20	#10	35	-C	-	-	36	#10	20	360		2267-K
SPARE	0	0	20		37	-A	-	-	38		20	0		SPARE
SPARE	0	0	20		39	-B	-	-	40		20	0		SPARE
SPARE	0	0	20		41	-C	-	-	42		20	0		SPARE

Connected Load

Options:

TOTAL LOAD PHASE A = 6336
 TOTAL LOAD PHASE B = 10680
 TOTAL LOAD PHASE C = 7560
 TOTAL LOAD = 24576
 TOTAL AMPS = 68.30

DESCRIPTION	OPT	LOAD	TRIP	WIRE SIZE	NO.	A	B	C	NO.	WIRE SIZE	TRIP	LOAD	OPT	DESCRIPTION
2265-A		876	20	#10	1	-A	-	-	2	#10	20	876		2262-A
2265-X		1080	20	#10	3	-B	-	-	4	#10	20	1080		2262-X
2265-W		900	20	#10	5	-C	-	-	6	#10	20	900		2262-W
2265-Y		180	20	#10	7	-A	-	-	8	#10	20	180		2262-Y
2265-Z		700	20	#10	9	-B	-	-	10	#10	20	700		2262-Z
2265-K		360	20	#10	11	-C	-	-	12	#10	20	360		2262-K
2266-A		876	20	#10	13	-A	-	-	14	#10	20	876		2260-A
2266-X		1080	20	#10	15	-B	-	-	16	#10	20	1080		2260-X
2266-W		900	20	#10	17	-C	-	-	18	#10	20	900		2260-W
2266-Y		180	20	#10	19	-A	-	-	20	#10	20	180		2260-Y
2266-Z		700	20	#10	21	-B	-	-	22	#10	20	700		2260-Z
2266-K		360	20	#10	23	-C	-	-	24	#10	20	360		2260-K
DRYER RM 2264	2	2500	30	#10	25	-A	-	-	26	#10	20	0		SPARE
		2500		#10	27	-B	-	-	28	#10	20	540		RCPT RM 2215
DRYER RM 2264	2	2500	30	#10	29	-C	-	-	30	#12	20	742		LTS CORRIDOR, RM 2215 & 2216
		2500		#10	31	-A	-	-	32	#12	20	860		LTS RM 2264, 2266, & 2268
WASHER RM 2264		1200	20	#12	33	-B	-	-	34		20	0		SPARE
WASHER RM 2264		1200	20	#12	35	-C	-	-	36		20	0		SPARE
RCPT RM 2216, 2264		720	20	#12	37	-A	-	-	38		20	0		SPARE
SPARE	0	0	20		39	-B	-	-	40		20	0		SPARE
SPARE	0	0	20		41	-C	-	-	42		20	0		SPARE

Connected Load

Options:

TOTAL LOAD PHASE A = 10804
 TOTAL LOAD PHASE B = 11360
 TOTAL LOAD PHASE C = 9482
 TOTAL LOAD = 31646
 TOTAL AMPS = 87.94

DESCRIPTION	OPT	LOAD	TRIP	WIRE SIZE	NO.	A	B	C	NO.	WIRE SIZE	TRIP	LOAD	OPT	DESCRIPTION
WSHP-54 (ROOM #2270)	2	905	15	#12	1	-A	-	-	2	#12	15	905	2	WSHP-57 (ROOM #2273)
		905		#12	3	-B	-	-	4	#12	15	905		
WSHP-56 (ROOM #2272)	2	905	15	#12	5	-C	-	-	6	#12	15	905	2	WSHP-55 (ROOM #2271)
		905		#12	7	-A	-	-	8	#12	15	905		
WSHP-53 (ROOM #2269)	2	905	15	#12	9	-B	-	-	10	#12	15	905	2	WSHP-52 (ROOM #2267)
		905		#12	11	-C	-	-	12	#12	15	905		
WSHP-51 (ROOM #2265)	2	905	15	#12	13	-A	-	-	14	#12	15	759	2	WSHP-49 (ROOM #2262)
		905		#12	15	-B	-	-	16	#12	15	759		
WSHP-50 (ROOM #2263)	2	905	15	#12	17	-C	-	-	18	#12	15	759	2	WSHP-47 (ROOM #2260)
		905		#12	19	-A	-	-	20	#12	15	759		
WSHP-74 (ROOM #2215)	2	624	15	#12	21	-B	-	-	22	#12	15	624	2	WSHP-75 (ROOM #2217)
		624		#12	23	-C	-	-	24	#12	15	624		
SPARE	2	0	15		25	-A	-	-	26	#12	15	811	2	WSHP-73 (ROOM #2264)
SPARE	0	0			27	-B	-	-	28	#12	15	811		
SPARE	2	0	15		29	-C	-	-	30		15	0		SPARE
SPARE	0	0			31	-A	-	-	32		0	0		SPARE
SPARE	0	0	20		33	-B	-	-	34		15	0		SPARE
SPARE	0	0	20		35	-C	-	-	36		0	0		SPARE
SPARE	0	0	20		37	-A	-	-	38		20	0		SPARE
SPARE	0	0	20		39	-B	-	-	40		20	0		SPARE
SPARE	0	0	20		41	-C	-	-	42		20	0		SPARE

Connected Load

Options:

TOTAL LOAD PHASE A = 7759
 TOTAL LOAD PHASE B = 7343
 TOTAL LOAD PHASE C = 6532
 TOTAL LOAD = 21634
 TOTAL AMPS = 60.12

DESCRIPTION	OPT	LOAD	TRIP	WIRE SIZE	NO.	A	B	C	NO.	WIRE SIZE	TRIP	LOAD	OPT	DESCRIPTION
SPARE	0	0	20		1	-A	-	-	2	#12	20	720		RCPT RM 2268
SPARE	0	0	20		3	-B	-	-	4	#12	20	1200		QUAD RCPT TEL RACK
SPARE	0	0	20		5	-C	-	-	6	#12	20	1200		QUAD RCPT TEL RACK
SPARE	0	0	20		7	-A	-	-	8		20	0		SPARE
SPACE	0	0			9	-B	-	-	10		20	0		SPACE
SPACE	0	0			11	-C	-	-	12		0	0		SPACE
SPACE	0	0			13	-A	-	-	14		0	0		SPACE
SPACE	0	0			15	-B	-	-	16		0	0		SPACE
SPACE	0	0			17	-C	-	-	18		0	0		SPACE
SPACE	0	0			19	-A	-	-	20		0	0		SPACE
SPACE	0	0			21									

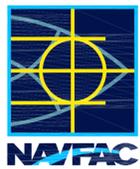
LUMINAIRE SCHEDULE: NAVY INN BUILDING 225 DAM NECK ANNEX

Table with columns: TYPE, DESCRIPTION, MANUFACTURER, DESIGN BASIS, LAMP(S), BALLAST(S), MOUNTING, FINISH, REMARKS / NOTES. Rows include items AE through ME.

GENERAL ELECTRICAL NOTES

- A. FOR EXACT LOCATION OF RECESSED INTERIOR LUMINAIRES, SEE ARCHITECTURAL REFLECTED CEILING PLAN.
B. FOR LOCATION OF EXTERIOR MOUNTED LUMINAIRES, SEE ELECTRICAL LIGHTING PLANS.
C. FOR CEILING TYPES, SEE ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS.
D. ALL DIMENSIONS INDICATED ARE "NOMINAL DIMENSIONS".
E. PENDANT MOUNT FIXTURES INDIVIDUAL. FOR CONTINUOUS ROW MOUNTING USE SLOTTED SUPPORT CHANNEL.
F. SYMBOL [triangle] FLUORESCENT OR LED LUMINAIRES WITH SHADING INDICATES INTEGRAL EMERGENCY BALLAST OR DRIVER, SEE SPECIFICATIONS.
G. LUMINAIRES MARKED AS "24 HR" WILL NOT BE SWITCHED.
H. CONNECT EXIT SIGNS TO CIRCUIT CONNECTED TO LIGHT FIXTURES IN AREA SERVED.
I. VERIFY ALL LUMINAIRE FINISHES WITH ARCHITECT PRIOR TO PURCHASE.

Revision table with columns: NO., DATE, DESCRIPTION. Row 1: 1, 02/17/16, TITLE BLOCK REVISIONS. Row 2: 2, 12/10/15, FAN SPEED SWITCH CLARIFICATION.



5701 Cleveland Street Suite 200 Virginia Beach, VA 23462

APPROVED: [Signature]

PER: COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO: DATE 12/10/15

DES: LHC DRW: MJA CHK: CRJ

BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND VIRGINIA BEACH, VA REPAIRS TO NGIS BUILDING 225 DAM NECK ANNEX LUMINAIRE SCHEDULES

SCALE: NONE

E-PROJECT NO.: 1308656

CONSTR. CONTR. NO.

NAVIFAC DRAWING NO. 12704761

SHEET 232 OF 252

E-630

PLOT DATE: 02/17/2016

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