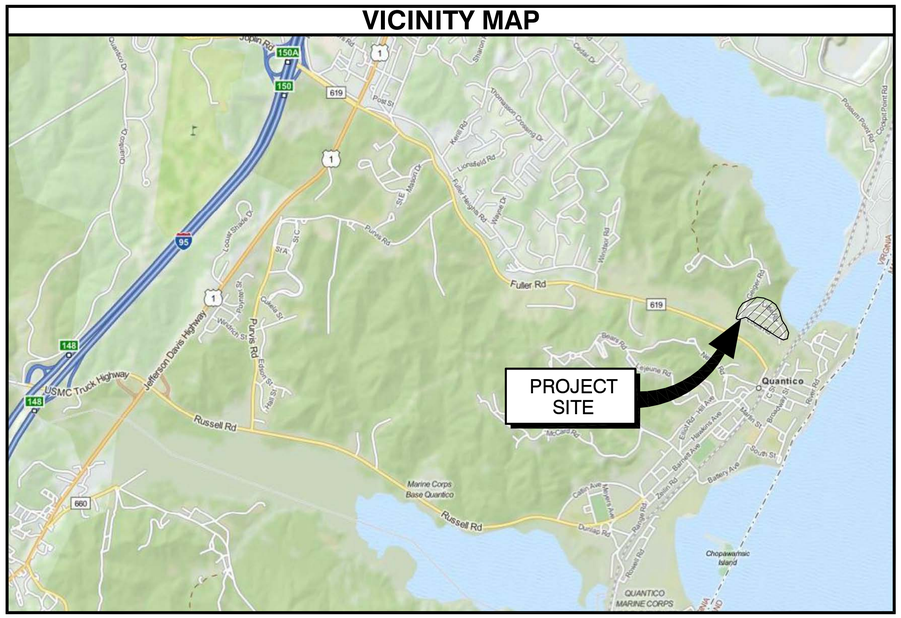
P677
ACADEMIC INSTRUCTION FACILITY TECOM

MARINE CORPS BASE **QUANTICO, VIRGINIA**

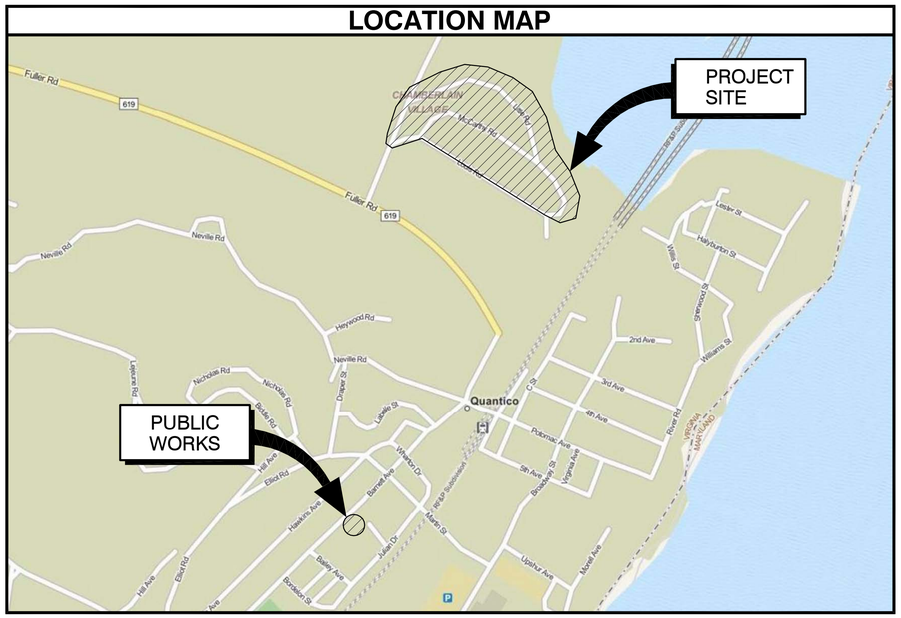
CONSTRUCTION CONTRACT NO. N40080-10-D-0303-86

PERSPECTIVE VIEW

VICINITY MAP



LOCATION MAP



DRAWING INDEX

SHEET INDEX	SHEET NUMBER	SHEET TITLE
GENERAL		
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CIVIL		
2	VF101	EXISTING CONDITIONS PLAN
3	VF102	EXISTING CONDITIONS PLAN
4	CD101	DEMOLITION PLAN
5	CD102	DEMOLITION PLAN
6	CG101	CONCEPT GRADING AND DRAINAGE PLAN
7	CG102	CONCEPT GRADING AND DRAINAGE PLAN
8	CI101	CONCEPT SITE IMPROVEMENT PLAN
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14	AE103	SECOND FLOOR PLAN – A
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21	AE110	ROOF PLAN
22	AE201	SOUTH BUILDING ELEVATION
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25	AE204	EAST BUILDING ELEVATION
ELECTRICAL		
26	ES101	ELECTRICAL SITE PLAN
27	ES102	ELECTRICAL SITE PLAN

APPR	DATE	DESCRIPTION	SYM

NAVFAC

NOT FOR CONSTRUCTION

PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

PRELIMINARY NOT FOR CONSTRUCTION

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A/E INFO

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ACTIVITY

XXXXX

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DES	DRW	CHK

<<PM/TM>> XXXX

BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<<XX>> XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC – WASHINGTON, D.C.
QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

TITLE SHEET

SCALE: NONE

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

NAVFAC DRAWING NO.

SHEET 1 OF 27

G-001

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\G\G-001.dwg LAYOUT NAME: G-001 TITLE SHEET PLOTTED: Thursday, January 30, 2014 – 3:06pm USER: pgallagher

GENERAL NOTES

1. SEE SHEET VF102 FOR LEGEND, ABBREVIATIONS, EXISTING STORM AND SANITARY STRUCTURE INFORMATION.

LITTLE ROAD

MCCARTHY ROAD

MATCH LINE - SEE SHEET VF102

MATCH LINE - SEE SHEET VF102

GRAPHIC SCALE

1"=40' 0 20' 40' 80' 160'

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PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

PRELIMINARY NOT FOR CONSTRUCTION UNTIL SIGNED

SEAL

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DES	DRWD CHK
<<PM/TM>>	XXXX
BRANCH MANAGER	XX
CHIEF ENG/ARCH	XXX
<<XXX>>	XX

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NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC – WASHINGTON, D.C.

QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

EXISTING CONDITIONS PLAN

SCALE: 1"=40'

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

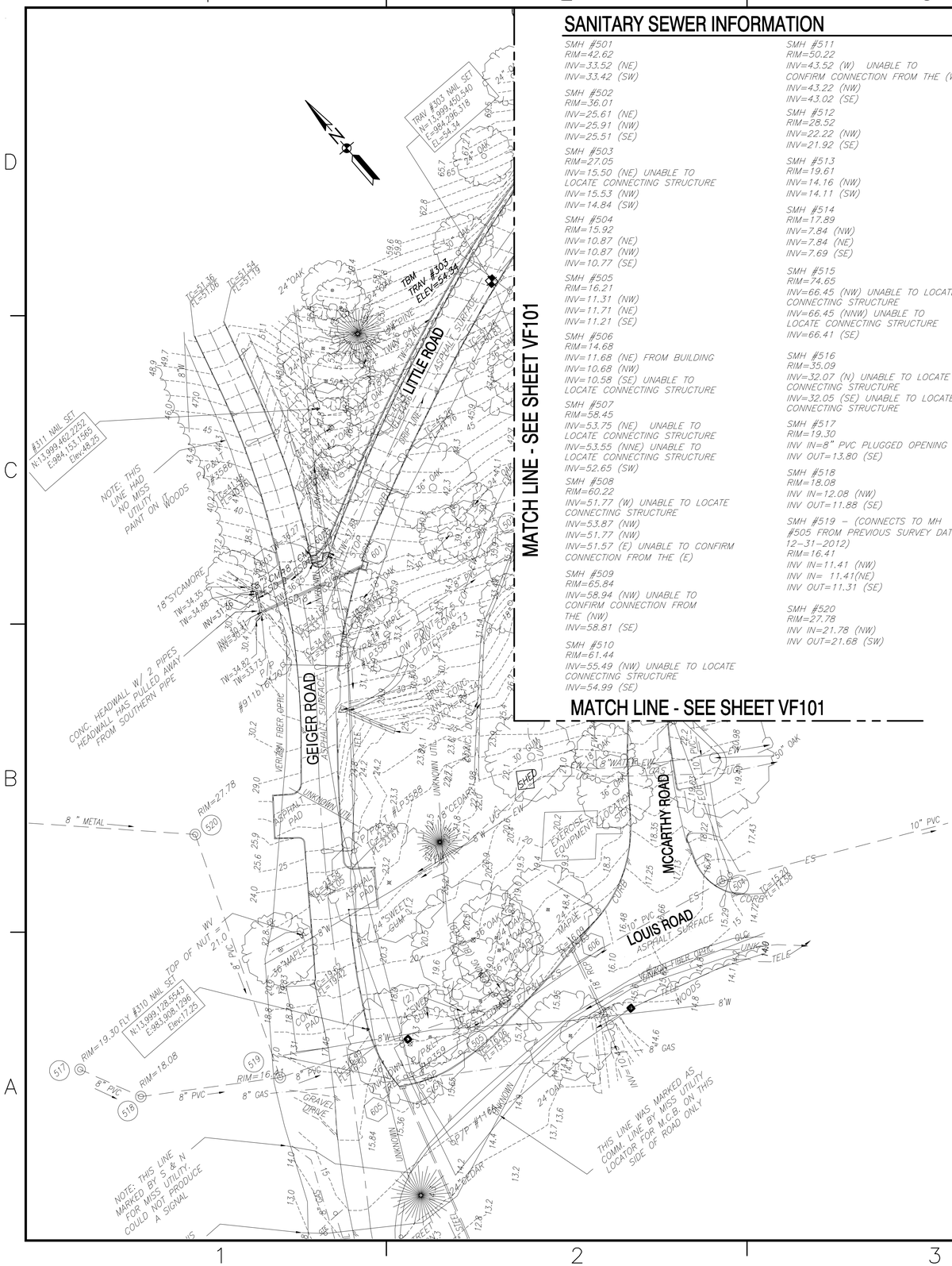
NAVFAC DRAWING NO.

SHEET 2 OF 27

VF101

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\C\VF101.dwg LAYOUT NAME: VF101 EXISTING CONDITIONS PLAN PLOTTED: Friday, January 31, 2014 – 12:51pm USER: ghaack



SANITARY SEWER INFORMATION

SMH #501
RIM=42.62
INV=33.52 (NE)
INV=33.42 (SW)

SMH #502
RIM=36.01
INV=25.61 (NE)
INV=25.91 (NW)
INV=25.51 (SE)

SMH #503
RIM=27.05
INV=15.50 (NE) UNABLE TO LOCATE CONNECTING STRUCTURE
INV=15.53 (NW)
INV=14.84 (SW)

SMH #504
RIM=15.92
INV=10.87 (NE)
INV=10.87 (NW)
INV=10.77 (SE)

SMH #505
RIM=16.21
INV=11.31 (NW)
INV=11.71 (NE)
INV=11.21 (SE)

SMH #506
RIM=14.68
INV=11.68 (NE) FROM BUILDING
INV=10.68 (NW)
INV=10.58 (SE) UNABLE TO LOCATE CONNECTING STRUCTURE

SMH #507
RIM=58.45
INV=53.75 (NE) UNABLE TO LOCATE CONNECTING STRUCTURE
INV=53.55 (NNE) UNABLE TO LOCATE CONNECTING STRUCTURE
INV=52.65 (SW)

SMH #508
RIM=60.22
INV=51.77 (W) UNABLE TO LOCATE CONNECTING STRUCTURE
INV=53.87 (NW)
INV=51.77 (NW)
INV=51.57 (E) UNABLE TO CONFIRM CONNECTION FROM THE (E)

SMH #509
RIM=65.84
INV=58.94 (NW) UNABLE TO CONFIRM CONNECTION FROM THE (NW)
INV=58.81 (SE)

SMH #510
RIM=61.44
INV=55.49 (NW) UNABLE TO LOCATE CONNECTING STRUCTURE
INV=54.99 (SE)

SMH #511
RIM=50.22
INV=43.52 (W) UNABLE TO CONFIRM CONNECTION FROM THE (W)
INV=43.22 (NW)
INV=43.02 (SE)

SMH #512
RIM=28.52
INV=22.22 (NW)
INV=21.92 (SE)

SMH #513
RIM=19.61
INV=14.16 (NW)
INV=14.11 (SW)

SMH #514
RIM=17.89
INV=7.84 (NW)
INV=7.84 (NE)
INV=7.69 (SE)

SMH #515
RIM=74.65
INV=66.45 (NW) UNABLE TO LOCATE CONNECTING STRUCTURE
INV=66.45 (NNW) UNABLE TO LOCATE CONNECTING STRUCTURE
INV=66.41 (SE)

SMH #516
RIM=35.09
INV=32.07 (N) UNABLE TO LOCATE CONNECTING STRUCTURE
INV=32.05 (SE) UNABLE TO LOCATE CONNECTING STRUCTURE

SMH #517
RIM=19.30
INV IN=8" PVC PLUGGED OPENING
INV OUT=13.80 (SE)

SMH #518
RIM=18.08
INV IN=12.08 (NW)
INV OUT=11.88 (SE)

SMH #519 – (CONNECTS TO MH #505 FROM PREVIOUS SURVEY DATED 12–31–2012)
RIM=16.41
INV IN=11.41 (NW)
INV IN= 11.41(NE)
INV OUT=11.31 (SE)

SMH #520
RIM=27.78
INV IN=21.78 (NW)
INV OUT=21.68 (SW)

STORM SEWER INFORMATION

DI #601
RIM=37.46
INV=34.31 (NW)

DI #602
RIM=36.58
INV=32.58 (W)

DI #603
RIM=35.80
INV=31.70 (E)
INV=31.50 (NW)

DI #604
RIM=50.64
INV=48.54 (SW)

DI #605
TOP=14.44
INV=11.76 (SW)

DI #606
TOP=15.26
INV=12.16 (SW)

ABBREVIATIONS

CONC	CONCRETE
CMP	CORRUGATED METAL PIPE
DIP	DUCTILE IRON PIPE
FL	FLOW LINE
RCP	REINFORCED CONCRETE PIPE
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB

LEGEND

EXISTING	NEW	
		ASPHALT SURFACE
		TEST BORING
		CONTOUR LINE
ESD		STORM SEWER
		FIRE HYDRANT
		TREES
		LIGHT POLE
DI		STORM DRAINAGE INLET
TBM		TEMPORARY BENCH MARK
INV=6.57		INVERT ELEVATION
		GUY WIRE
		POWER POLE
		POWER POLE & LIGHT
SMH		SANITARY MANHOLE
		SIGN
		TRAVERSE STATION
		WATER VALVE
28.4		SPOT ELEVATION/ GROUND SHOTS AND EDGES OF CONCRETE AND ASPHALT
TC=30.76 FL=30.48		SPOT ELEVATION/ TC=TOP OF CURB, FL=FLOWLINE
EW		EXISTING WATER
EOE		EXISTING OVERHEAD ELECTRICAL

GRAPHIC SCALE

1"=40' 0 20' 40' 80' 160'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

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PROJECT STATUS
FINAL SUBMITTAL
2-03-2014
SEAL

PRELIMINARY NOT FOR CONSTRUCTION UNTIL INSPECTED

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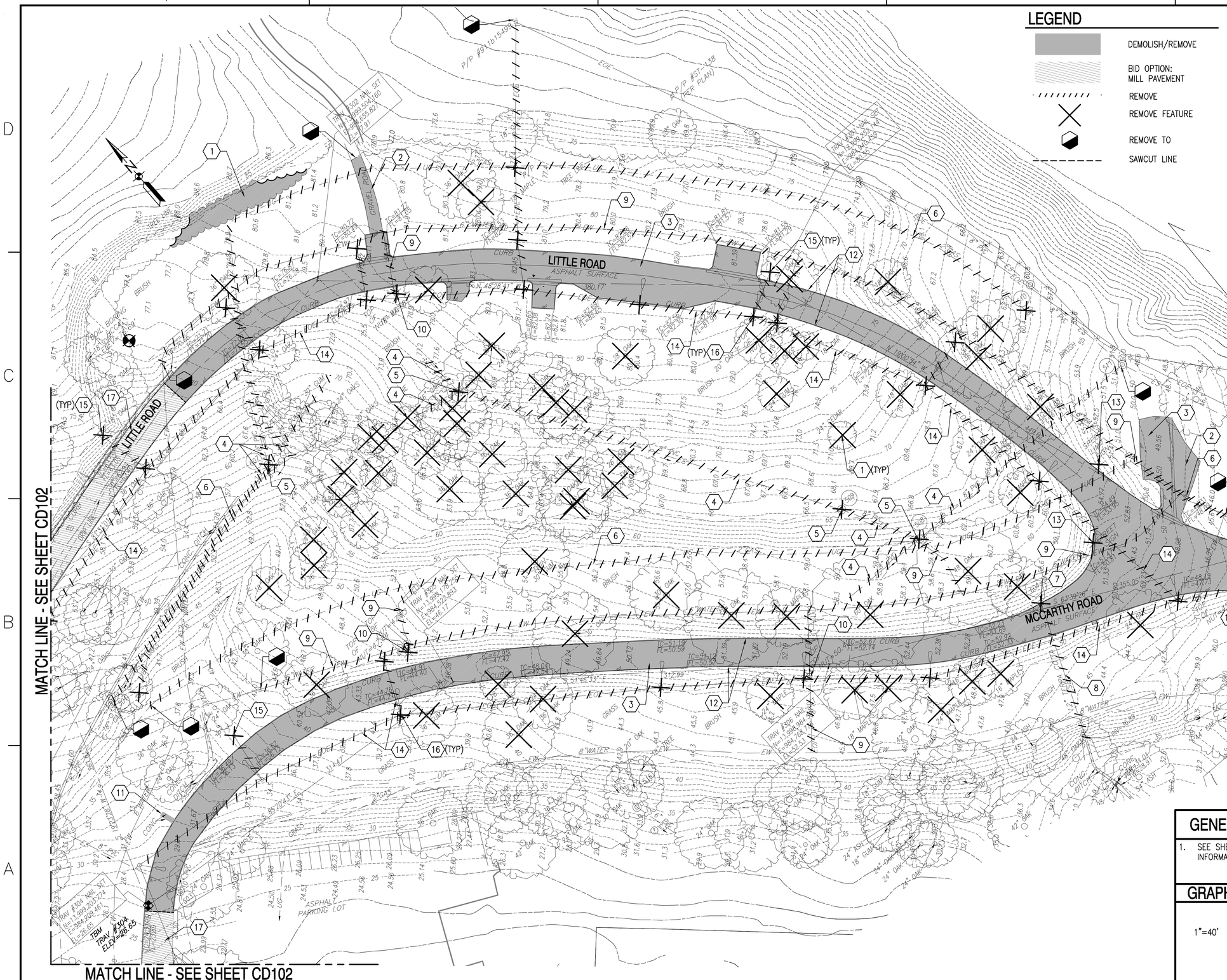
APPROVED
FOR COMMANDER NAVFAC

ACTIVITY: XXXXX
SATISFACTORY TO: DATE: DD/MM/YY
DES: DRWN: CHK:
<<PM/DM>>: XXXX
BRANCH MANAGER: XX
CHIEF ENG/ARCH: XXX
<<XXX>>: XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC – WASHINGTON, D.C.
QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA
P677
ACADEMIC INSTRUCTION FACILITY TECOM
EXISTING CONDITIONS PLAN

SCALE: 1"=40'
EPROJECT NO.:
CONSTR. CONTR. NO. N40080-10-D-0303-86
NAVFAC DRAWING NO. ----
SHEET 3 OF 27
VF102
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\C\VF102.dwg LAYOUT NAME: VF102 EXISTING CONDITIONS PLAN PLOTTED: Friday, January 31, 2014 - 12:52pm USER: ghaack



DEMOLITION NOTES

1. REMOVE TREE/SHRUBS
2. REMOVE GRAVEL
3. SAWCUT AND REMOVE ASPHALT ROAD
4. REMOVE SANITARY SEWER PIPE
5. REMOVE SANITARY SEWER MANHOLE
6. REMOVE GAS LINE. CAP/PLUG AT TERMINATION POINTS
7. REMOVE STORM DRAIN INLET
8. REMOVE STORM DRAIN PIPE
9. REMOVE WATERLINE PIPE. CAP/PLUG AT TERMINATION POINTS
10. REMOVE FIRE HYDRANT
11. REMOVE CONCRETE
12. REMOVE CURB
13. REMOVE SIGN
14. REMOVE OVERHEAD ELECTRIC LINE
15. REMOVE POWER POLE
16. REMOVE LIGHT POLE
17. BID OPTION: MILL TOP 2" ASPHALT SURFACE
18. REMOVE CONCRETE CHANNEL
19. CONVERT DROP INLET TOP TO MANHOLE FRAME AND COVER
20. RELOCATE STOP SIGN
21. RELOCATE STREET SIGN

GENERAL NOTES

1. SEE SHEET VF102 FOR EXISTING STORM AND SANITARY STRUCTURE INFORMATION.

GRAPHIC SCALE

1"=40' 0 20' 40' 80' 160'

APPR	DATE	DESCRIPTION	SYM

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DES — DRW — CHK

<<PM/DM>>	XXXX
BRANCH MANAGER	XX
CHIEF ENG/ARCH	XXX
<<XX>>	XX

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NAVFAC – WASHINGTON, D.C.
QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

DEMOLITION PLAN

SCALE: 1"=40'

EPROJECT NO.:

CONSTR. CONTR NO.
N40080-10-D-0303-86

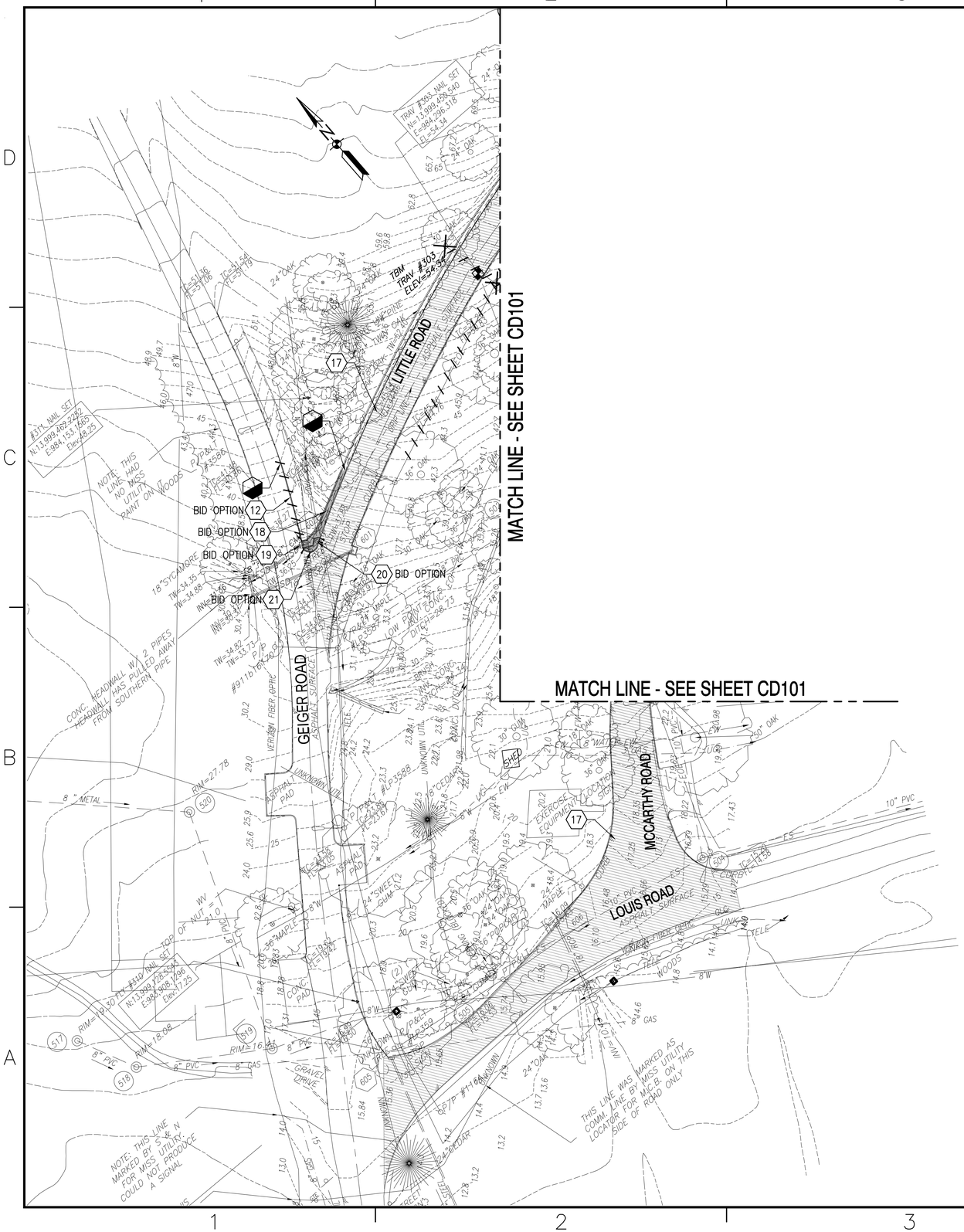
NAVFAC DRAWING NO.
– – – –

SHEET 4 OF 27

CD101

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\14618-P677 Academic Instruction Facility TECOM\CAD–Norfolk\Sheets\C\CD101.dwg LAYOUT NAME: CD101 DEMOLITION PLAN PLOTTED: Friday, January 31, 2014 – 12:52pm USER: ghoock


MATCH LINE - SEE SHEET CD101
LITTLE ROAD
GEIGER ROAD
MCCARTHY ROAD
LOUIS ROAD
BID OPTION 12
BID OPTION 18
BID OPTION 19
BID OPTION 20
BID OPTION 21
17
TEMP TRAV. #103 ELEV=54.34
TRAV #103, NAIL SET N:13,999,439,540 E:984,296,318 EL=54.34
#314, NAIL SET N:13,999,469,224 E:984,153,166 Elev=48.25
#315, NAIL SET N:13,999,725,504 E:983,908,196 Elev=17.25
NOTE: THIS LINE HAD NO MSS UTILITY PAINT ON WOODS
CONC. HEADWALL W/ 2 PIPES HEADWALL HAS PULLED AWAY FROM SOUTHERN PIPE
NOTE: THIS LINE WAS MARKED BY S & N FOR MSS UTILITY. COULD NOT PRODUCE A SIGNAL
THIS LINE WAS MARKED AS COMM. LINE BY MSS UTILITY LOCATOR FOR MCB. ON THIS SIDE OF ROAD ONLY
EXPOSED UTILITY LOCATION STOP
ASPHALT PAD
CONC. PAD
GRAVEL DRIVE
WOODS
TOP OF NUT = 21.0
RIM=19.30 CTV #310
RIM=18.08
RIM=16.05
RIM=27.78
#9116
#1168
#LP1588
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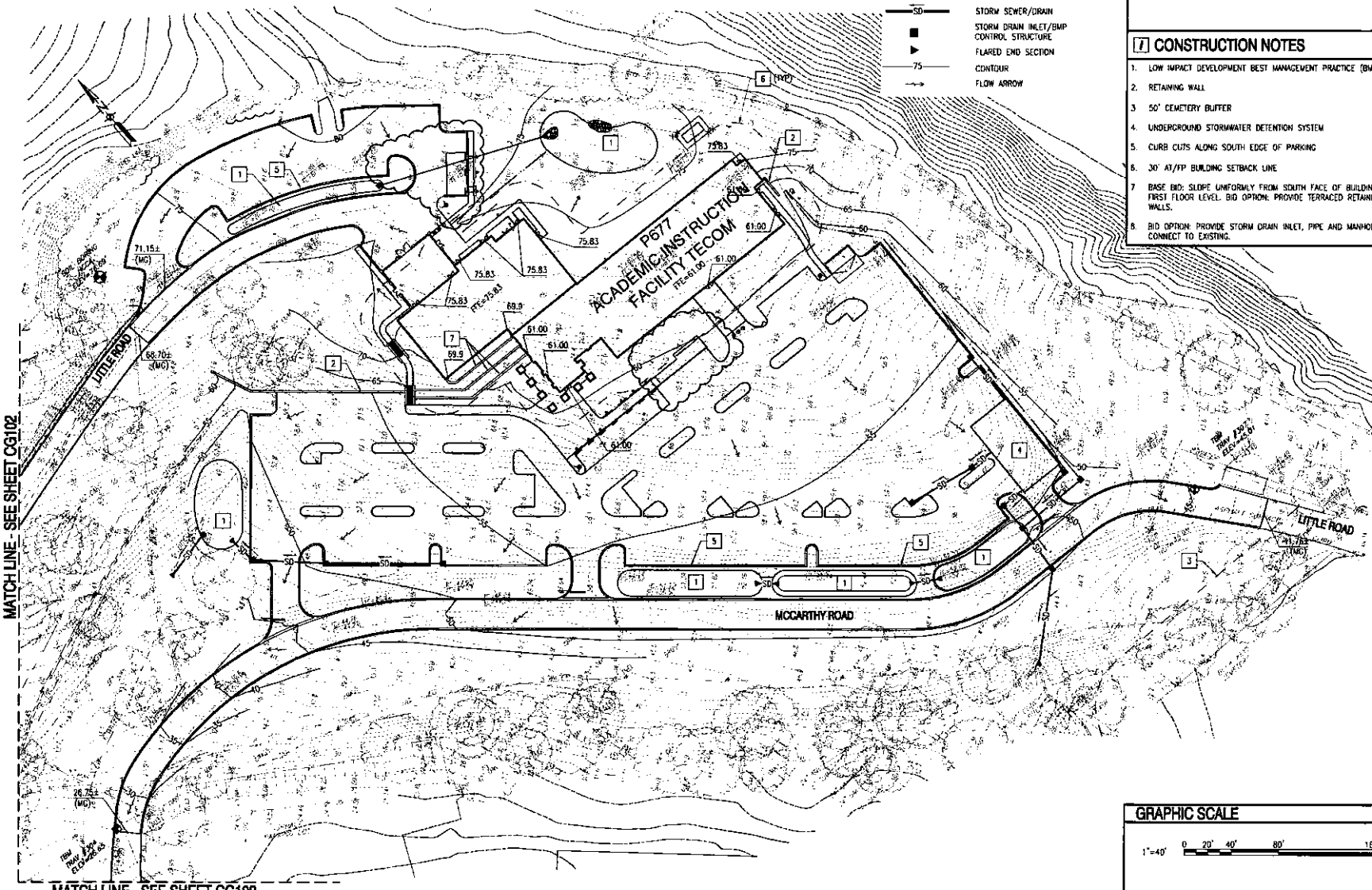

LEGEND

- VEGETATED SWALE
- SD — STORM SEWER/DRAIN
- STORM DRAIN INLET/BMP CONTROL STRUCTURE
- FLARED END SECTION
- 75 — CONTOUR
- FLOW ARROW

GENERAL NOTES

1. SEE SHEET VF102 FOR EXISTING STORM AND SANITARY STRUCTURE INFORMATION.

CONSTRUCTION NOTES

1. LOW IMPACT DEVELOPMENT BEST MANAGEMENT PRACTICE (BMP)
2. RETAINING WALL
3. 50' CEMETERY BUFFER
4. UNDERGROUND STORMWATER DETENTION SYSTEM
5. CURB CUTS ALONG SOUTH EDGE OF PARKING
6. 30' AT/FP BUILDING SETBACK LINE
7. BASE BID: SLOPE UNIFORMLY FROM SOUTH FACE OF BUILDING TO FIRST FLOOR LEVEL. BID OPTION: PROVIDE TERRACED RETAINING WALLS.
8. BID OPTION: PROVIDE STORM DRAIN INLET, PIPE AND MANHOLE TO CONNECT TO EXISTING.

GRAPHIC SCALE

1"=40' 0 20' 40' 80' 160'

NAVFAC

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PROJECT STATUS
FINAL SUBMITTAL
2-03-2014

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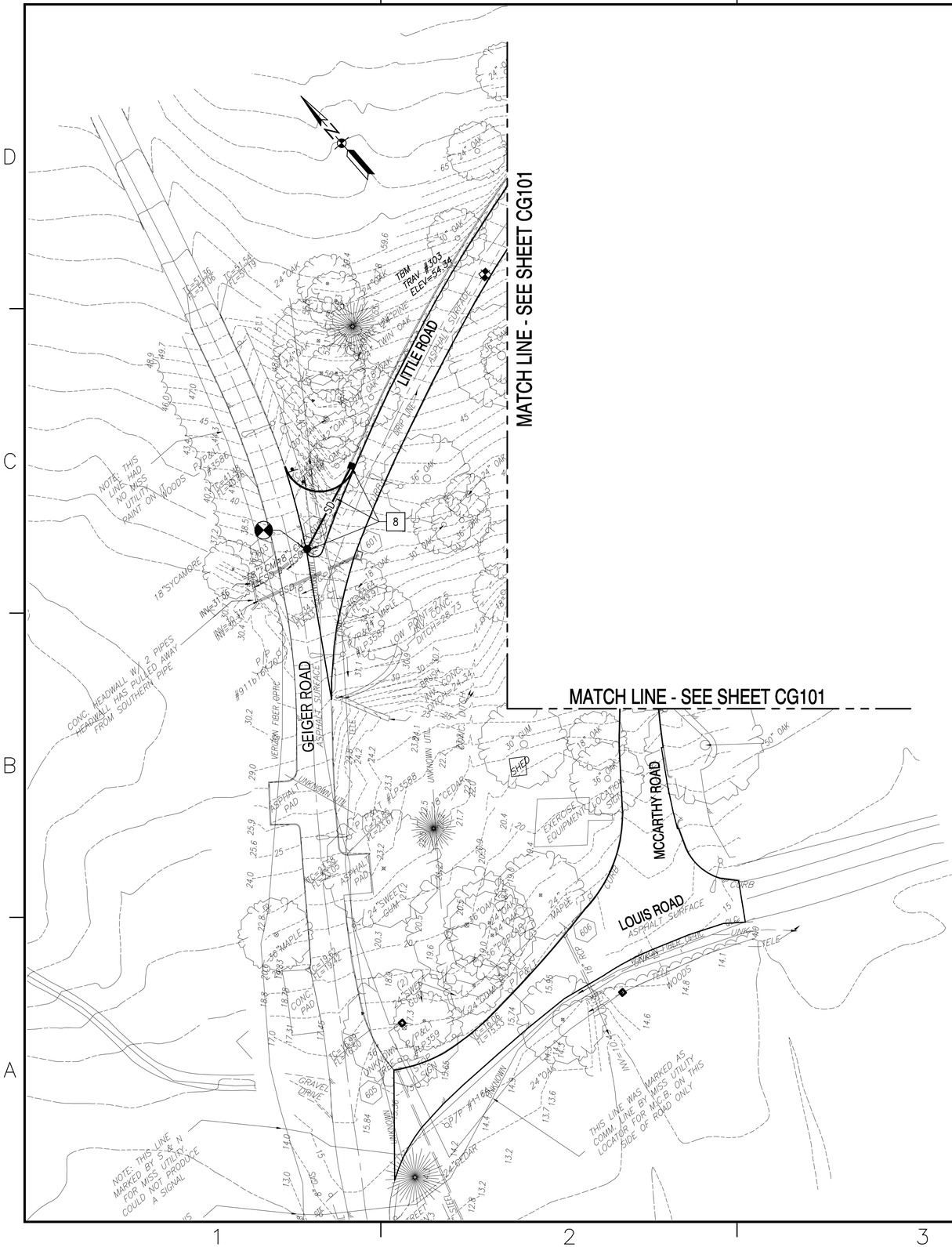
SCALE	XXXXX
DESIGNED BY	DD/MM/YY
DES	
CHK	
CONTRACT	XXXX
DRAWN	XX
CHKD	XXX
CHKD	XX

NAVAL FACILITIES ENGINEERING COMMAND
DEPARTMENT OF THE NAVY
QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO
NAVFAC - WASHINGTON, D.C.
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM
CONCEPT GRADING AND DRAINAGE PLAN

SCALE: 1"=40'
PROJECT NO.
CONTR. CONTR. NO. N40080-10-D-0303-56
NAVFAC DRAWING NO.
SHEET 6 OF 27
CG101



GENERAL NOTES

1. SEE SHEET CG101 FOR GRADING AND DRAINAGE CONSTRUCTION NOTES AND LEGEND.
2. SEE SHEET VF102 FOR EXISTING STORM AND SANITARY STRUCTURE INFORMATION.

GRAPHIC SCALE

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SYM	DESCRIPTION	DATE	APPR

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BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<<XXX>> XX

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QUANTICO MARINE CORPS BASE
NAVFAC – WASHINGTON, D.C.

MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

CONCEPT GRADING AND DRAINAGE PLAN

SCALE: 1"=40'

EPROJECT NO.:

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N40080-10-D-0303-86

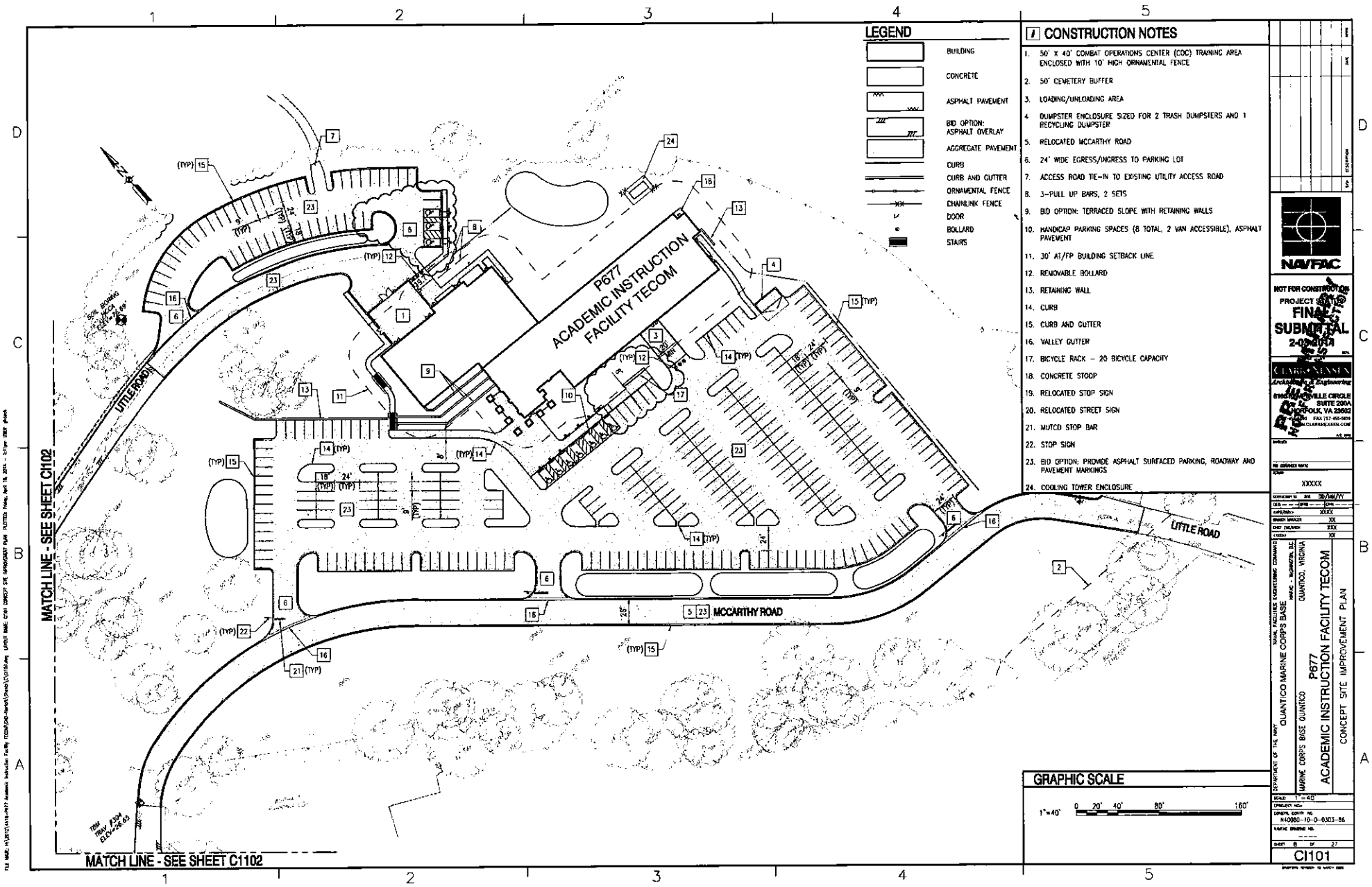
NAVFAC DRAWING NO.

SHEET 7 OF 27

CG102

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\C\CG102.dwg LAYOUT NAME: CG102 CONCEPT GRADING AND DRAINAGE PLAN PLOTTED: Friday, January 31, 2014 – 12:53pm USER: ghoack



LEGEND

- BUILDING
- CONCRETE
- ASPHALT PAVEMENT
- BID OPTION: ASPHALT OVERLAY
- AGGREGATE PAVEMENT
- CURB
- CURB AND GUTTER
- ORNAMENTAL FENCE
- CHAINLINK FENCE
- DOOR
- BOLLARD
- STAIRS

CONSTRUCTION NOTES

1. 50' X 40' COMBAT OPERATIONS CENTER (COC) TRAINING AREA ENCLOSED WITH 10' HIGH ORNAMENTAL FENCE
2. 50' CEMETERY BUFFER
3. LOADING/UNLOADING AREA
4. DUMPSTER ENCLOSURE SIZED FOR 2 TRASH DUMPSTERS AND 1 RECYCLING DUMPSTER
5. RELOCATED MCCARTHY ROAD
6. 24' WIDE EGRESS/INGRESS TO PARKING LOT
7. ACCESS ROAD TIE-IN TO EXISTING UTILITY ACCESS ROAD
8. 3-PULL UP BARS, 2 SETS
9. BID OPTION: TERRACED SLOPE WITH RETAINING WALLS
10. HANDICAP PARKING SPACES (8 TOTAL, 2 VAN ACCESSIBLE), ASPHALT PAVEMENT
11. 30' AT/FP BUILDING SETBACK LINE
12. REMOVABLE BOLLARD
13. RETAINING WALL
14. CURB
15. CURB AND GUTTER
16. VALLEY GUTTER
17. BICYCLE RACK - 20 BICYCLE CAPACITY
18. CONCRETE STOOP
19. RELOCATED STOP SIGN
20. RELOCATED STREET SIGN
21. MUTCD STOP BAR
22. STOP SIGN
23. BID OPTION: PROVIDE ASPHALT SURFACED PARKING, ROADWAY AND PAVEMENT MARKINGS
24. COOLING TOWER ENCLOSURE

GRAPHIC SCALE

1"=40' 0 20' 40' 80' 160'

NAVFAC

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XXXXX

DD/MM/YY

XXXX
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XXX
XX

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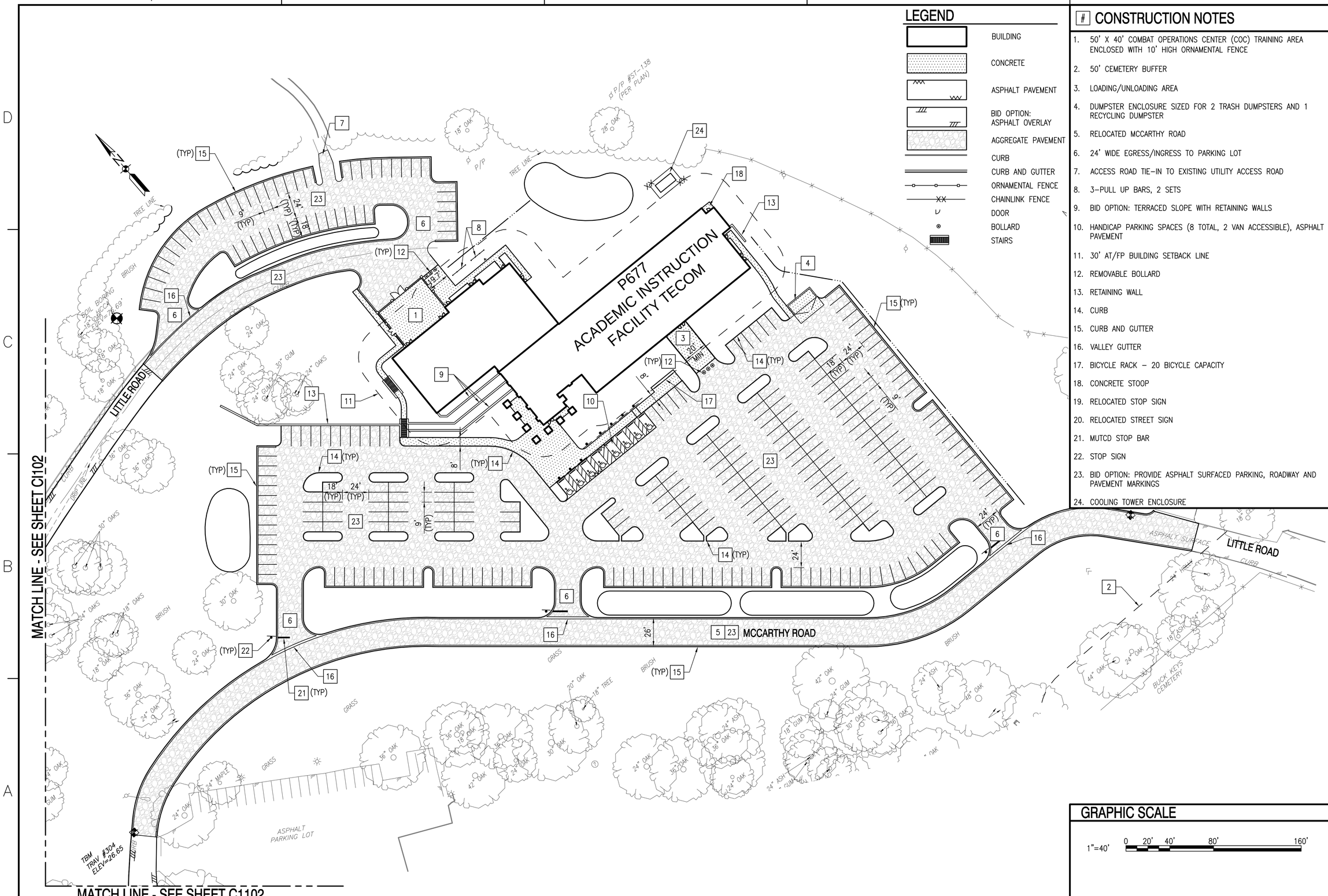
NAVFAC - WASHINGTON, D.C.
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM
CONCEPT SITE IMPROVEMENT PLAN

SCALE: 1"=40'
CONTRACT NO.: N40080-10-0-0303-86
NAVFAC DRAWING NO.:
SHEET 8 OF 27
CI101



LEGEND

- BUILDING
- CONCRETE
- ASPHALT PAVEMENT
- BID OPTION: ASPHALT OVERLAY
- AGGREGATE PAVEMENT
- CURB
- CURB AND GUTTER
- ORNAMENTAL FENCE
- CHAINLINK FENCE
- DOOR
- BOLLARD
- STAIRS

CONSTRUCTION NOTES

1. 50' X 40' COMBAT OPERATIONS CENTER (COC) TRAINING AREA ENCLOSED WITH 10' HIGH ORNAMENTAL FENCE
2. 50' CEMETERY BUFFER
3. LOADING/UNLOADING AREA
4. DUMPSTER ENCLOSURE SIZED FOR 2 TRASH DUMPSTERS AND 1 RECYCLING DUMPSTER
5. RELOCATED MCCARTHY ROAD
6. 24' WIDE EGRESS/INGRESS TO PARKING LOT
7. ACCESS ROAD TIE-IN TO EXISTING UTILITY ACCESS ROAD
8. 3-PULL UP BARS, 2 SETS
9. BID OPTION: TERRACED SLOPE WITH RETAINING WALLS
10. HANDICAP PARKING SPACES (8 TOTAL, 2 VAN ACCESSIBLE), ASPHALT PAVEMENT
11. 30' AT/FP BUILDING SETBACK LINE
12. REMOVABLE BOLLARD
13. RETAINING WALL
14. CURB
15. CURB AND GUTTER
16. VALLEY GUTTER
17. BICYCLE RACK – 20 BICYCLE CAPACITY
18. CONCRETE STOOP
19. RELOCATED STOP SIGN
20. RELOCATED STREET SIGN
21. MUTCD STOP BAR
22. STOP SIGN
23. BID OPTION: PROVIDE ASPHALT SURFACED PARKING, ROADWAY AND PAVEMENT MARKINGS
24. COOLING TOWER ENCLOSURE

GRAPHIC SCALE

1"=40' 0 20' 40' 80' 160'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

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PROJECT STATUS
FINAL SUBMITTAL
2-03-2014

SEAL

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CLARK NEXSEN
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<<PM/DM>>	XXXX
BRANCH MANAGER	XX
CHIEF ENG/ARCH	XXX
<<XXX>>	XX

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QUANTICO MARINE CORPS BASE
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P677
ACADEMIC INSTRUCTION FACILITY TECOM

CONCEPT SITE IMPROVEMENT PLAN

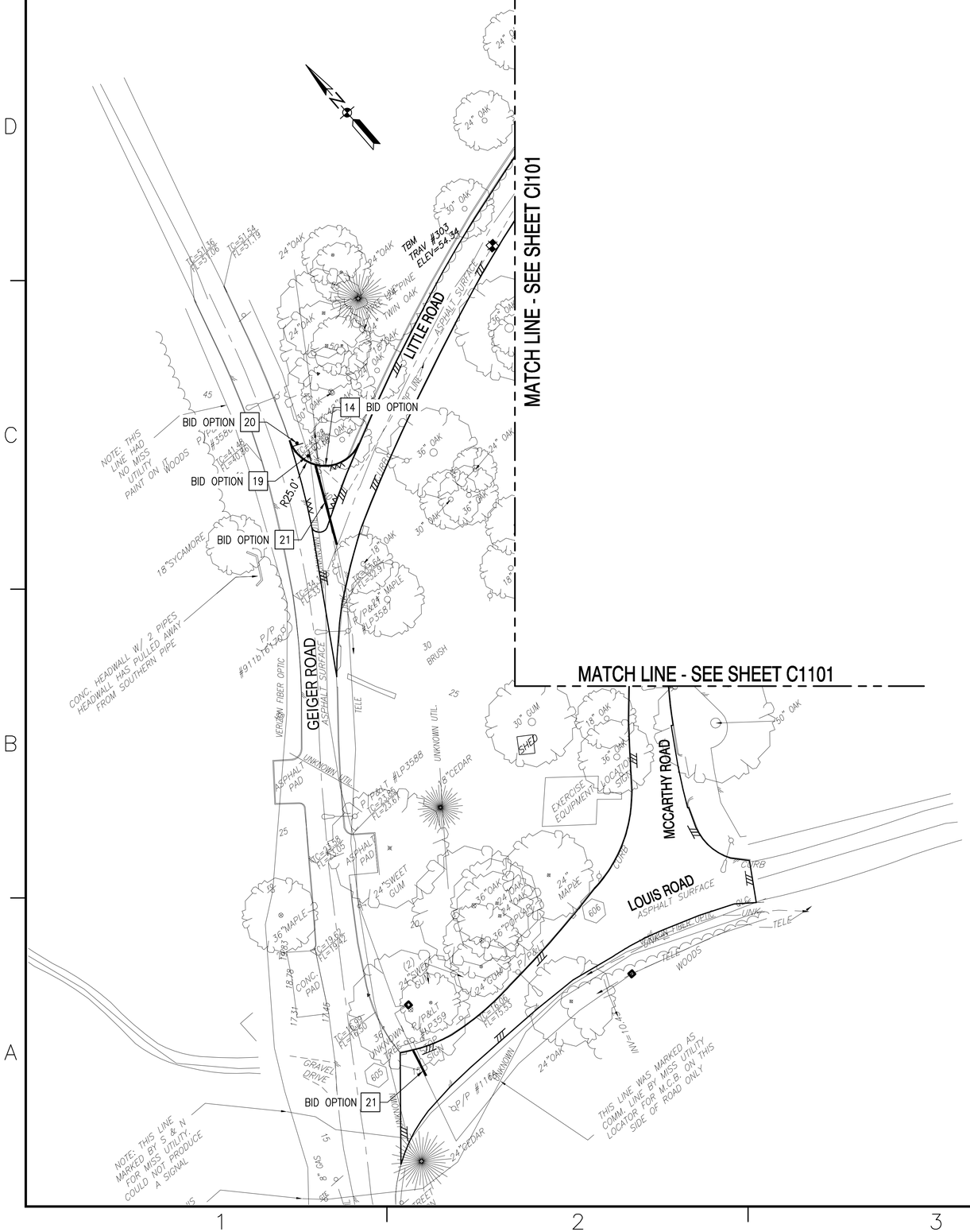
SCALE: 1"=40'
EPROJECT NO.:
CONSTR. CONTR. NO.
N40080-10-D-0303-86
NAVFAC DRAWING NO.

SHEET 8 OF 27

CI101

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\CI\CI101.dwg LAYOUT NAME: CI101 CONCEPT SITE IMPROVEMENT PLAN PLOTTED: Friday, January 31, 2014 - 12:53pm USER: ghaack



GENERAL NOTES

1. SEE SHEET CI101 FOR SITE IMPROVEMENTS, CONSTRUCTION NOTES AND LEGEND.

GRAPHIC SCALE

1"=40' 0 20' 40' 80' 160'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

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DES	DRW	CHK
<<PM/DM>>	XXXX	
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CHIEF ENG/ARCH	XXX	
<<XXX>>	XX	

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P677
ACADEMIC INSTRUCTION FACILITY TECOM
CONCEPT SITE IMPROVEMENT PLAN

SCALE: 1"=40'

PROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

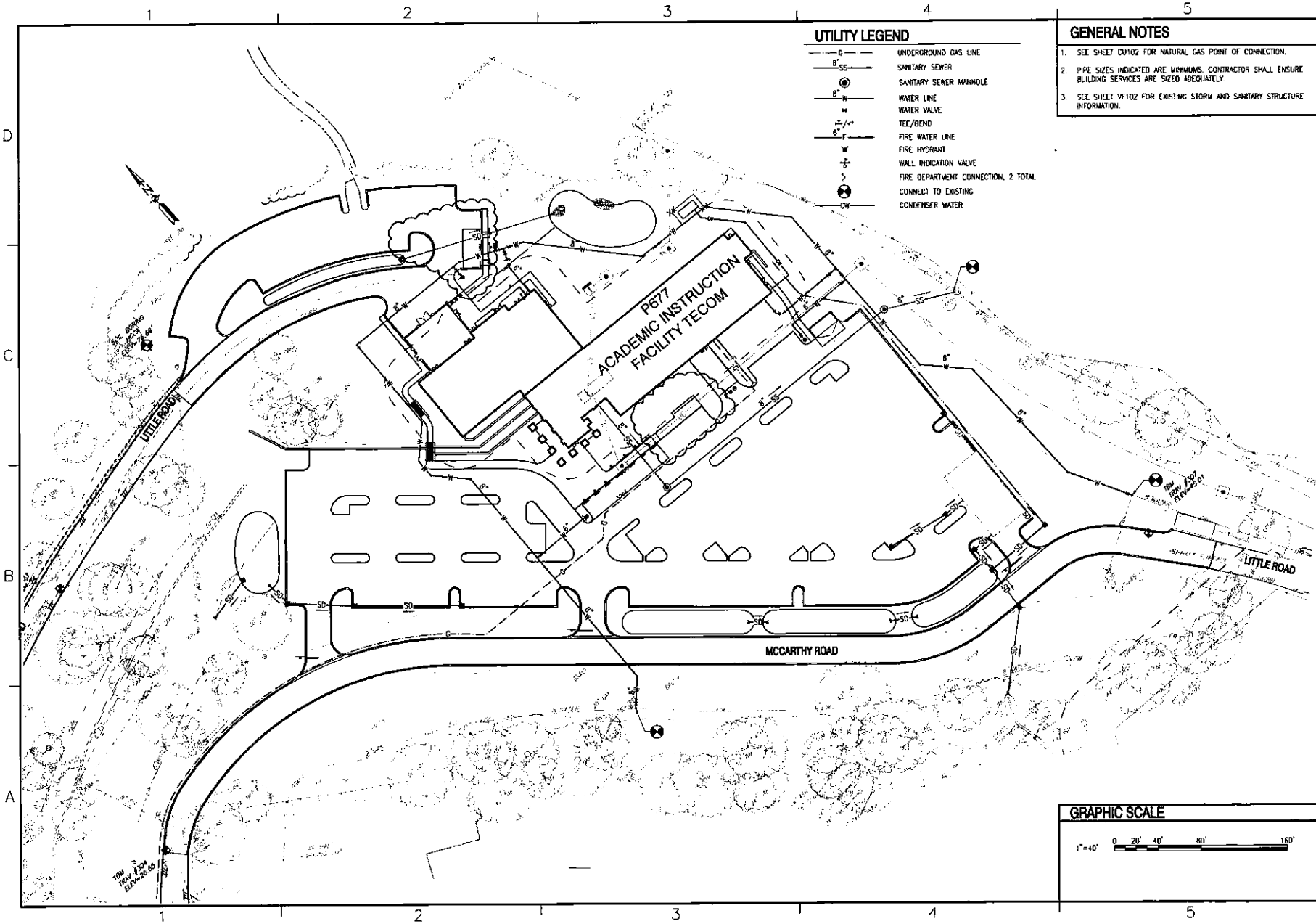
NAVFAC DRAWING NO.
- - - - -

SHEET 9 OF 27

CI102

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\C\CI102.dwg LAYOUT NAME: CI102 CONCEPT SITE IMPROVEMENT PLAN PLOTTED: Friday, January 31, 2014 - 12:53pm USER: ghoack



UTILITY LEGEND

—G—	UNDERGROUND GAS LINE
8" SS	SANITARY SEWER
	SANITARY SEWER MANHOLE
8" W	WATER LINE
	WATER VALVE
	TEE/BEND
6" F	FIRE WATER LINE
	FIRE HYDRANT
	WALL INDICATION VALVE
	FIRE DEPARTMENT CONNECTION, 2 TOTAL
	CONNECT TO EXISTING
CW	CONDENSER WATER

GENERAL NOTES

1. SEE SHEET CU102 FOR NATURAL GAS POINT OF CONNECTION.
2. PIPE SIZES INDICATED ARE MINIMUMS. CONTRACTOR SHALL ENSURE BUILDING SERVICES ARE SIZED ADEQUATELY.
3. SEE SHEET VF102 FOR EXISTING STORM AND SANITARY STRUCTURE INFORMATION.

GRAPHIC SCALE

1"=40' 0 20' 40' 80' 160'

NAVFAC

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PROJECT STATUS
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P677
ACADEMIC INSTRUCTION FACILITY TECOM
CONCEPT SITE UTILITIES PLAN

SCALE: 1"=40'
PROJECT NO.:
CONSTR. CONTR. NO.: N40080-10-D-0303-86
NAVFAC DRAWING NO.:
SHEET 10 OF 27

CU101

P677-ACADEMIC
INSTRUCTION
FACILITY
TECOM

BUILDING
#2462-A

GEIGER ROAD

LOUIS ROAD

LITTLE ROAD

FULLER ROAD

BARNETT AVENUE

NICHOLAS
ROAD

HILL AVENUE

GRAPHIC SCALE

1"=200' 0 100' 200' 400' 800'

APPR	DATE	DESCRIPTION	SYM

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PROJECT STATUS:
FINAL SUBMITTAL
2-03-2014

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DES	DRAW	CHK
<<PM/DM>>		XXXX
BRANCH MANAGER		XX
CHIEF ENG/ARCH		XXX
<<XXX>>		XX

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QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM
CONCEPT NATURAL GAS UTILITY PLAN

SCALE: 1"=200'
EPROJECT NO.:
CONSTR. CONTR. NO.
N40080-10-D-0303-86
NAVFAC DRAWING NO.

SHEET 11 OF 27

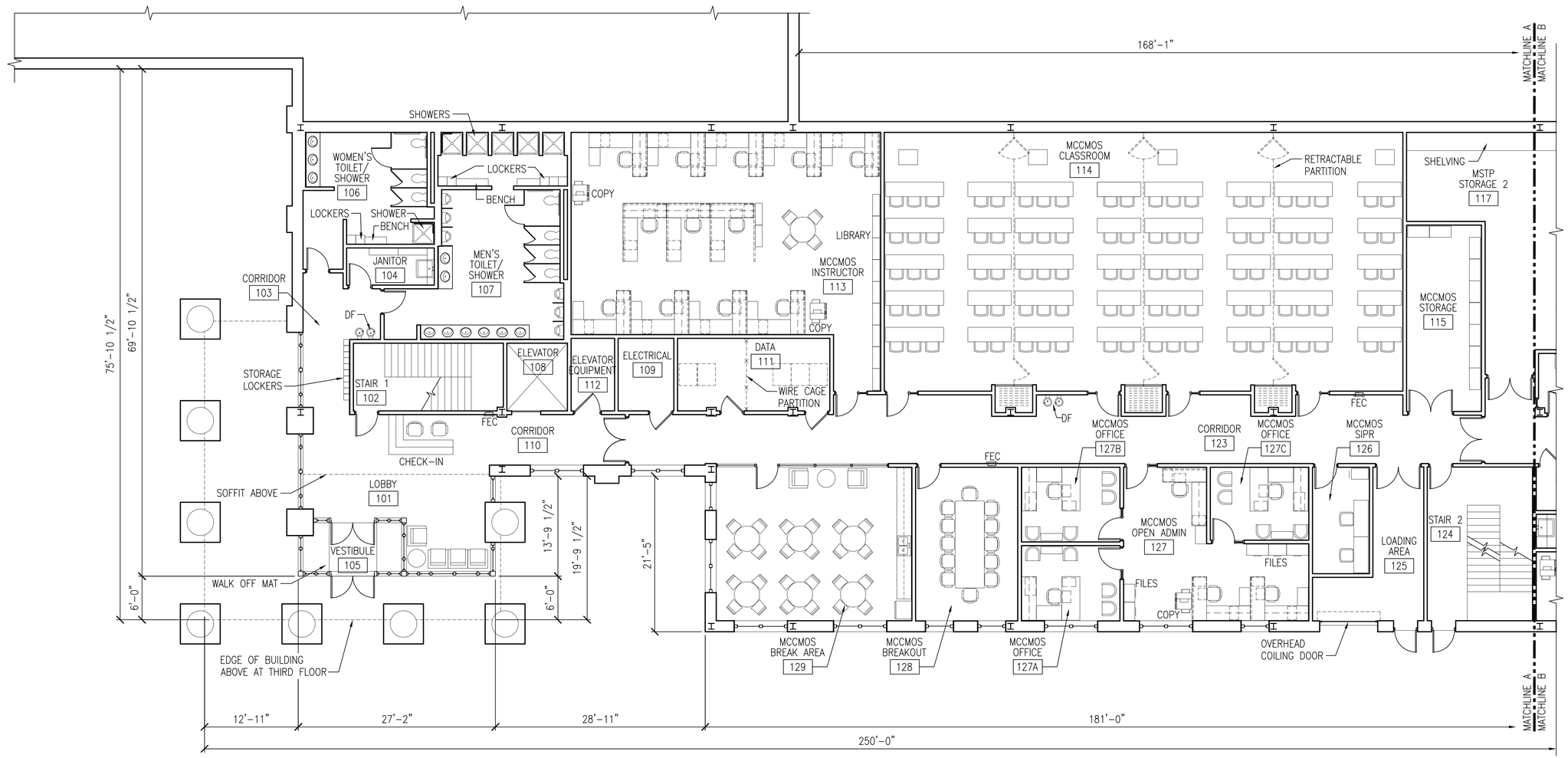
CU102

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\C\CU102.dwg LAYOUT NAME: CU102 CONCEPT NATURAL GAS UTILITY PLAN PLOTTED: Friday, January 31, 2014 – 12:54pm USER: ghaack

GENERAL NOTES (APPLIES TO SHEETS AE101 THRU AE108)

1. THE MECHANICAL ROOM SIZES AND LOCATIONS INDICATED ON THESE DRAWINGS ARE GENERIC IN NATURE AND REPRESENT ONE POSSIBLE CONFIGURATION OF THE EQUIPMENT. PROVIDE PROPER MAINTENANCE ACCESS/CLEARANCES AROUND ALL EQUIPMENT AND COORDINATE LOCATIONS OF ALL EQUIPMENT WITHIN THE SPACE PROVIDED.



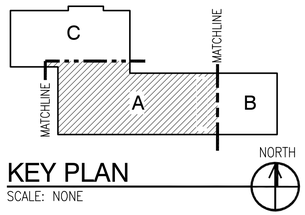
FIRST FLOOR PLAN - A

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

NORTH

ROOM SCHEDULE

ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE	ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE	ROOM NUMBER	ROOM DESCRIPTION	
101	LOBBY	442 SQ. FT.	111	DATA	209 SQ. FT.	127	MCCMOS, OPEN ADMIN	391 SQ. FT.
102	STAIR 1	192 SQ. FT.	112	ELEVATOR EQUIPMENT	70 SQ. FT.	127A	MCCMOS, OFFICE	141 SQ. FT.
103	CORRIDOR	151 SQ. FT.	113	MCCMOS, INSTRUCTOR	1,239 SQ. FT.	127B	MCCMOS, OFFICE	140 SQ. FT.
104	JANITOR	62 SQ. FT.	114	MCCMOS, CLASSROOM	2,588 SQ. FT.	127C	MCCMOS, OFFICE	136 SQ. FT.
105	VESTIBULE	88 SQ. FT.	115	MCCMOS, STORAGE	265 SQ. FT.	128	MCCMOS, BREAKOUT	298 SQ. FT.
106	WOMEN'S TOILET/SHOWER	280 SQ. FT.	117	MSTP, STORAGE 2	688 SQ. FT.	129	MCCMOS, BREAK AREA	570 SQ. FT.
107	MEN'S TOILET/SHOWER	523 SQ. FT.	123	CORRIDOR	952 SQ. FT.			
108	ELEVATOR	78 SQ. FT.	124	STAIR 2	307 SQ. FT.			
109	ELECTRICAL	77 SQ. FT.	125	LOADING AREA	198 SQ. FT.			
110	CORRIDOR	130 SQ. FT.	126	MCCMOS, SIPR	115 SQ. FT.			



KEY PLAN

SCALE: NONE

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

NO.	DESCRIPTION	DATE	APPR

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PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

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SATISFACTORY TO	DATE	DD/MM/YY
DES JPG	DRW KAF	CHK RAM
<<PM/DM>>		XXXX
BRANCH MANAGER		XX
CHIEF ENG/ARCH		XXX
<<XX>>		XX

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QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

FIRST FLOOR PLAN – A

SCALE:	1/8"=1'-0"
EPROJECT NO.:	
CONSTR. CONTR. NO.	N40080-10-D-0303-86
NAVFAC DRAWING NO.	–
SHEET	12 OF 27

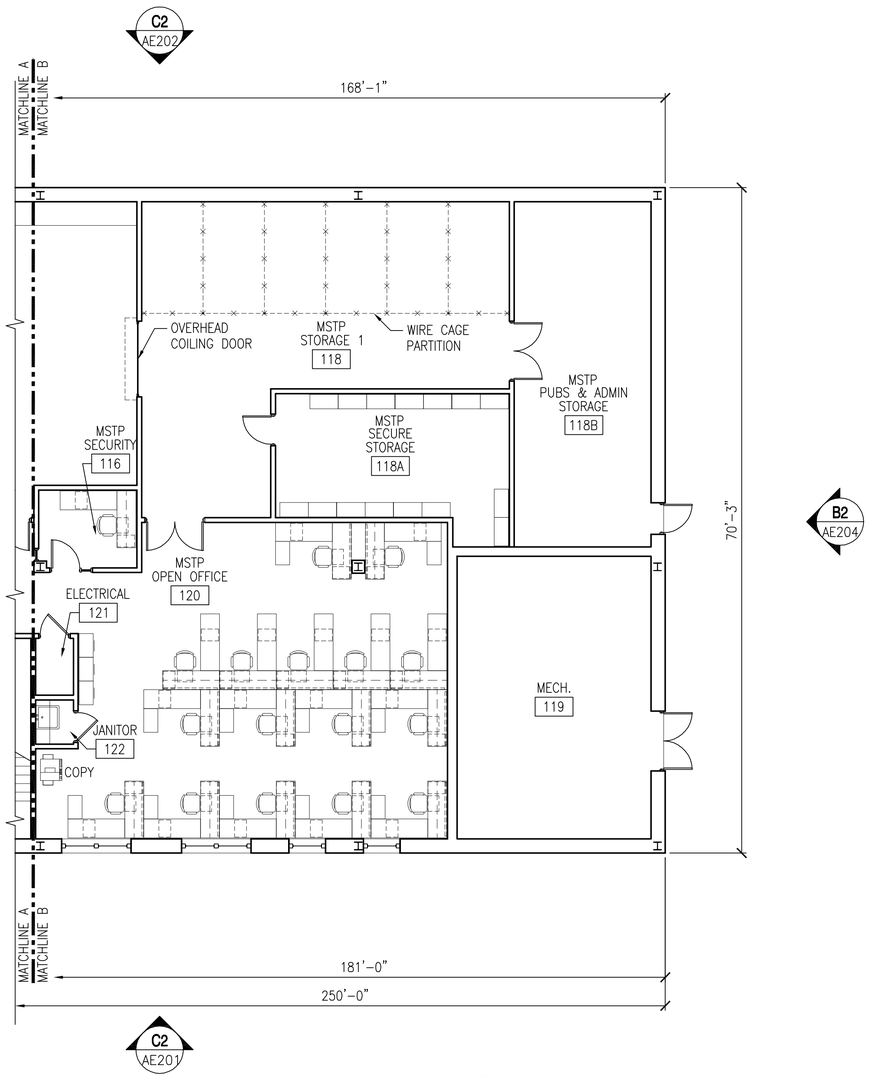
AE101

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\1461(8-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE101.dwg LAYOUT NAME: AE101 FIRST FLOOR PLAN – A PLOTTED: Thursday, January 30, 2014 – 3:08pm USER: pgallagher

ROOM SCHEDULE

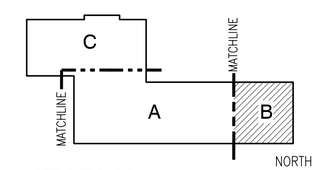
ROOM NUMBER	ROOM DESCRIPTION	
116	MSTP, SECURITY	85 SQ. FT.
118	MSTP, STORAGE 1	953 SQ. FT.
118A	MSTP, SECURE STORAGE	342 SQ. FT.
118B	MSTP, PUBS & ADMIN STORAGE	527 SQ. FT.
119	MECHANICAL	612 SQ. FT.
120	MSTP, OPEN OFFICE	1,422 SQ. FT.
121	ELECTRICAL	24 SQ. FT.
122	JANITOR	19 SQ. FT.



FIRST FLOOR PLAN - B

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

NORTH



KEY PLAN

SCALE: NONE

NORTH

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

NAVFAC

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PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

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SATISFACTORY TO DATE DD/MM/YY

DES JPG DRW KAF CHK RAM

<<PM/DM>> XXXX

BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<<XX>> XX

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QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

FIRST FLOOR PLAN – B

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

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

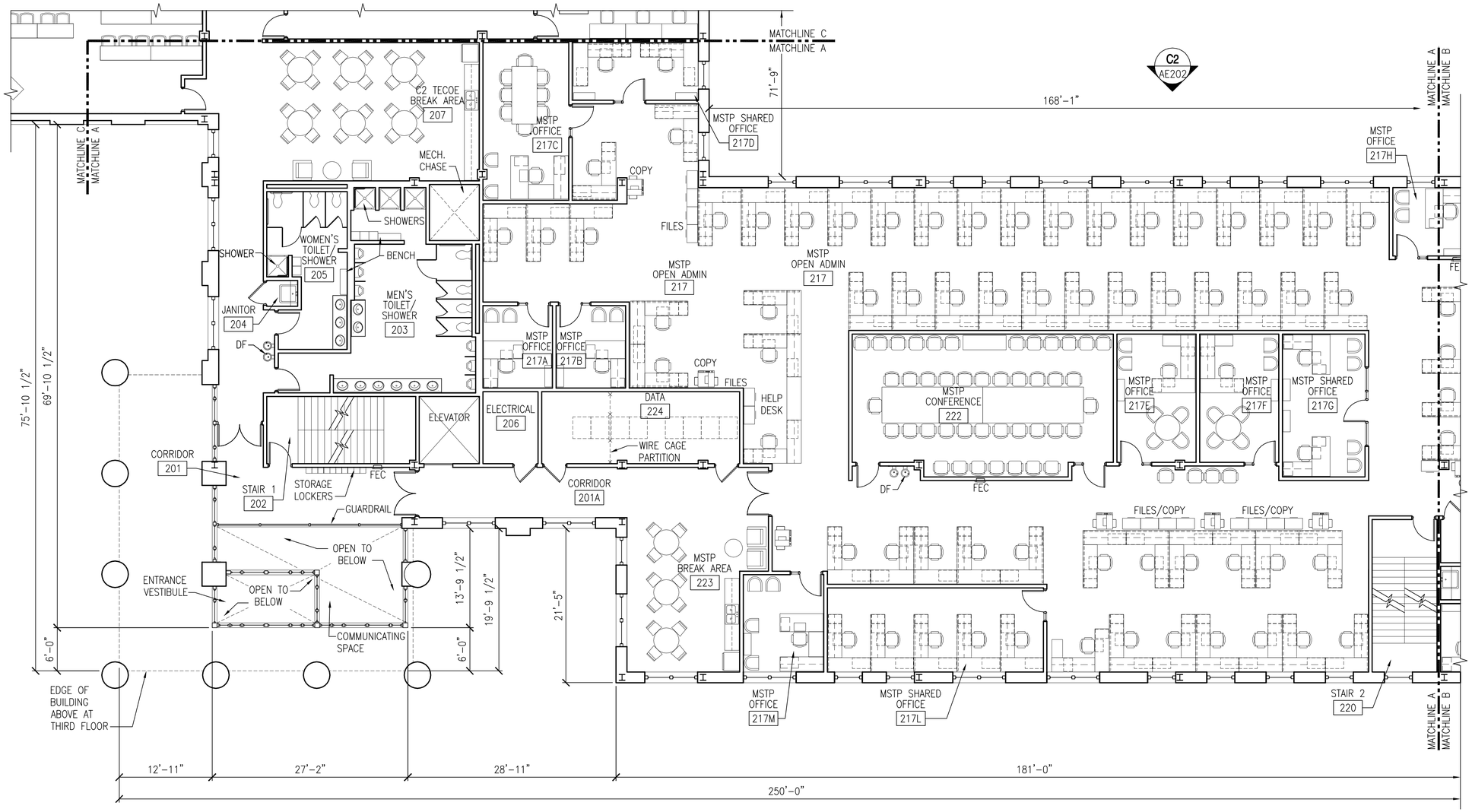
NAVFAC DRAWING NO.
–

SHEET 13 OF 27

AE102

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE102.dwg LAYOUT NAME: AE102 FIRST FLOOR PLAN – B PLOTTED: Thursday, January 30, 2014 – 3:08pm USER: pgallagher



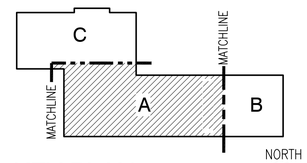
SECOND FLOOR PLAN - A

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

NORTH

ROOM SCHEDULE

ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE	ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE	ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE
201	CORRIDOR	247 SQ. FT.	217B	MSTP, OFFICE	110 SQ. FT.	222	MSTP, CONFERENCE	686 SQ. FT.
201A	CORRIDOR	338 SQ. FT.	217C	MSTP, OFFICE	260 SQ. FT.	223	MSTP, BREAK AREA	365 SQ. FT.
202	STAIR 1	192 SQ. FT.	217D	MSTP, SHARED OFFICE	140 SQ. FT.	224	DATA	274 SQ. FT.
203	MEN'S TOILET/SHOWER	476 SQ. FT.	217E	MSTP, OFFICE	196 SQ. FT.			
204	JANITOR	15 SQ. FT.	217F	MSTP, OFFICE	196 SQ. FT.			
205	WOMEN'S TOILET/SHOWER	212 SQ. FT.	217G	MSTP, SHARED OFFICE	227 SQ. FT.			
206	ELECTRICAL	77 SQ. FT.	217H	MSTP, OFFICE	106 SQ. FT.			
207	C2 TECOE, BREAK AREA	575 SQ. FT.	217L	MSTP, SHARED OFFICE	350 SQ. FT.			
217	MSTP, OPEN ADMIN	9,138 SQ. FT.	217M	MSTP, OFFICE	151 SQ. FT.			
217A	MSTP, OFFICE	110 SQ. FT.	220	STAIR 2	191 SQ. FT.			



KEY PLAN

SCALE: NONE

NORTH

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

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PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

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SATISFACTORY TO DATE: DD/MM/YY

DES: JPG DRW: KAF CHK: RAM

<<CPM/DMD>>: XXXX

BRANCH MANAGER: XX

CHIEF ENG/ARCH: XXX

<<XXX>>: XX

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ACADEMIC INSTRUCTION FACILITY TECOM

SECOND FLOOR PLAN - A

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

EPROJECT NO.:

CONSTR. CONTR. NO.: N40080-10-D-0303-86

NAVFAC DRAWING NO.: –

SHEET 14 OF 27

AE103

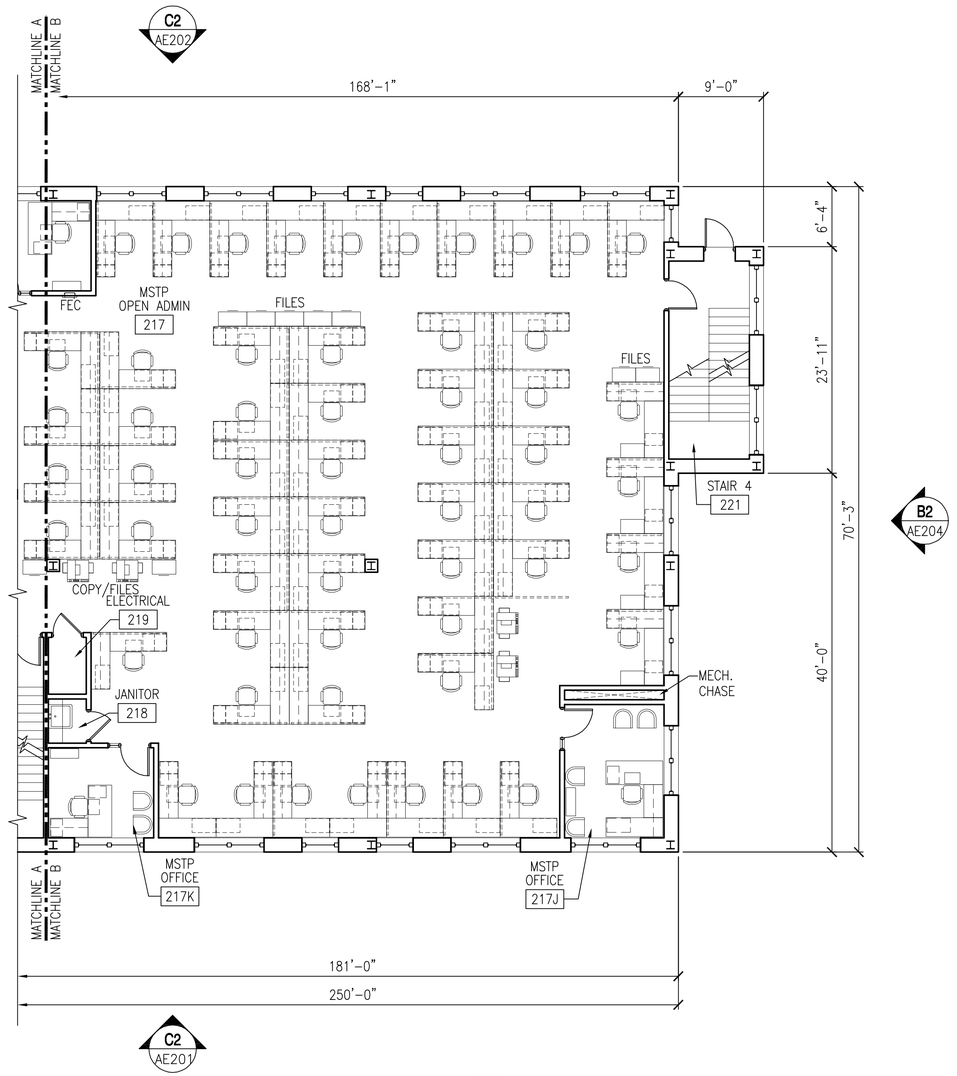
DRAWFORM REVISION: 10 MARCH 2009

SYM	DESCRIPTION	DATE	APPR

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE103.dwg LAYOUT NAME: AE103 SECOND FLOOR PLAN - A PLOTTED: Thursday, January 30, 2014 - 3:08pm USER: pgallagher

ROOM SCHEDULE

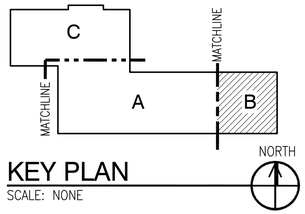
ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE
217	MSTP, OPEN ADMIN	9,138 SQ. FT.
217J	MSTP, OFFICE	148 SQ. FT.
217K	MSTP, OFFICE	105 SQ. FT.
218	JANITOR	19 SQ. FT.
219	ELECTRICAL	24 SQ. FT.
221	STAIR 4	191 SQ. FT.



SECOND FLOOR PLAN - B

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

NORTH



KEY PLAN

SCALE: NONE

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

NAVFAC

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PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

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DES JPG DRW KAF CHK RAM

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BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<<XX>> XX

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ACADEMIC INSTRUCTION FACILITY TECOM

SECOND FLOOR PLAN – B

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

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

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SHEET 15 OF 27

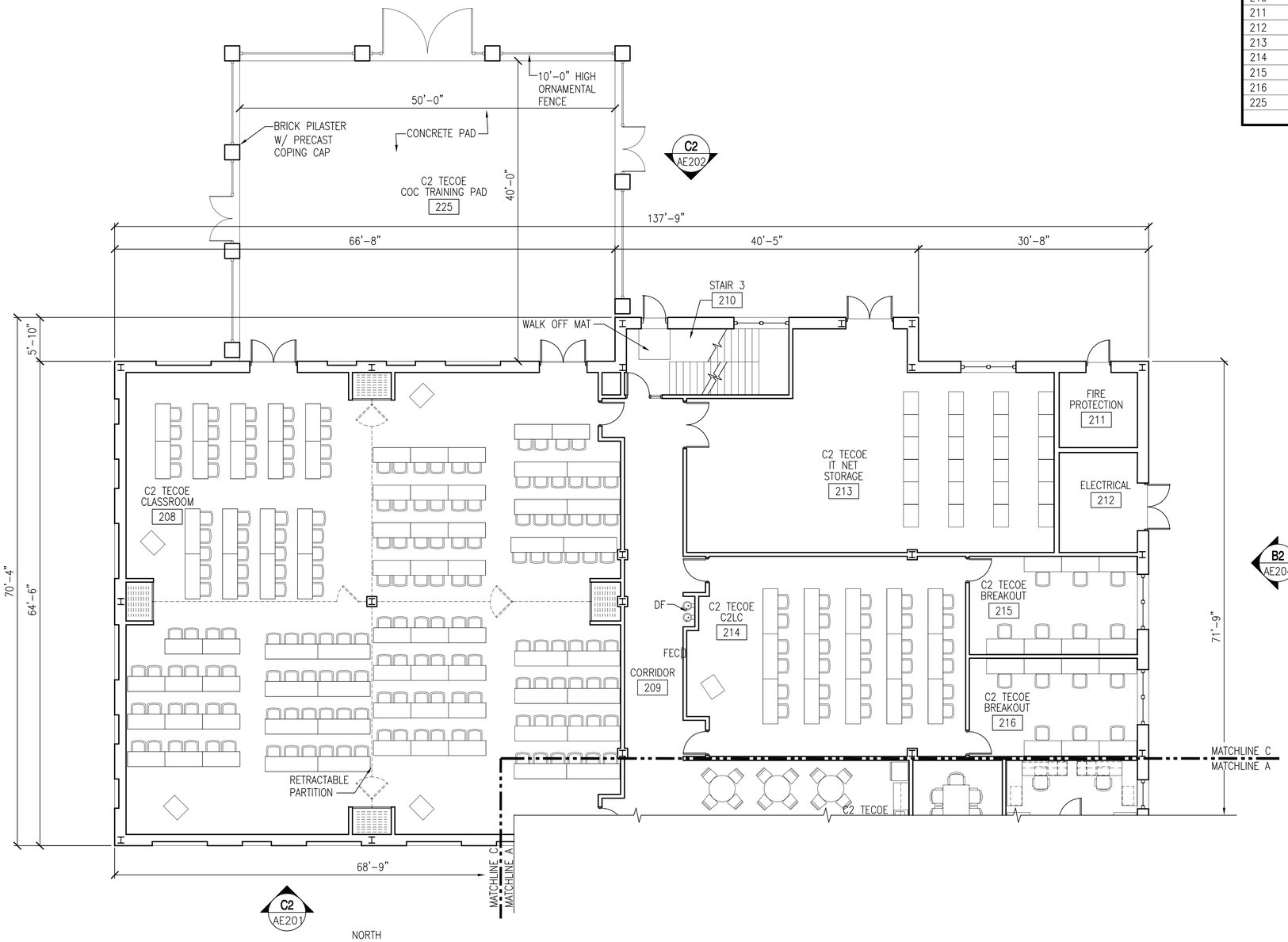
AE104

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE104.dwg LAYOUT NAME: AE104 SECOND FLOOR PLAN – B PLOTTED: Thursday, January 30, 2014 – 3:08pm USER: pgallagher

ROOM SCHEDULE

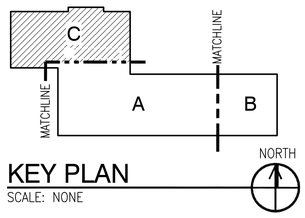
ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE
208	C2 TECOE, CLASSROOM	4,004 SQ. FT.
209	CORRIDOR	805 SQ. FT.
210	STAIR 3	191 SQ. FT.
211	FIRE PROTECTION	104 SQ. FT.
212	ELECTRICAL	138 SQ. FT.
213	C2 TECOE, IT NET STORAGE	1,213 SQ. FT.
214	C2 TECOE, C2LC	949 SQ. FT.
215	C2 TECOE, BREAKOUT	293 SQ. FT.
216	C2 TECOE, BREAKOUT	293 SQ. FT.
225	C2 TECOE, COC TRAINING PAD	4,000 SQ. FT.



SECOND FLOOR PLAN - C

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

NORTH



KEY PLAN

SCALE: NONE

NORTH

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

APPR	
DATE	
DESCRIPTION	
SYM	

NAVFAC

NOT FOR CONSTRUCTION

PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

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DES JPG DRW KAF CHK RAM

<<PM/TM>>	XXXX
BRANCH MANAGER	XX
CHIEF ENG/ARCH	XXX
<<XX>>	XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC – WASHINGTON, D.C.

QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

SECOND FLOOR PLAN – C

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

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

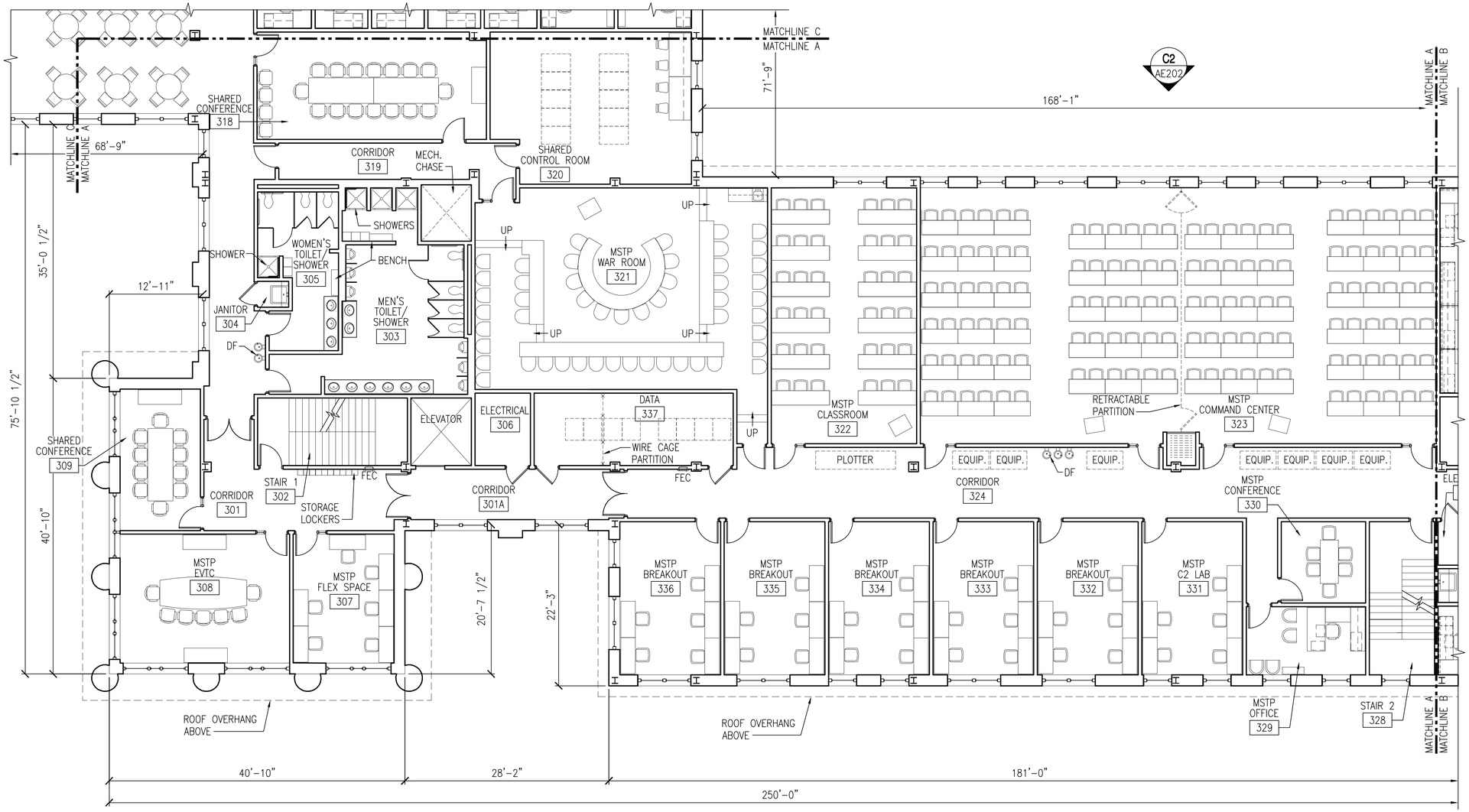
NAVFAC DRAWING NO.
–

SHEET 16 OF 27

AE105

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\46118-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE105.dwg LAYOUT NAME: AE105 SECOND FLOOR PLAN – C PLOTTED: Thursday, January 30, 2014 – 3:09pm USER: pgallagher



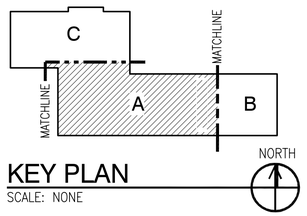
THIRD FLOOR PLAN - A

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

NORTH

ROOM SCHEDULE

ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE	ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE	ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE
301	CORRIDOR	281 SQ. FT.	318	SHARED CONFERENCE	468 SQ. FT.	331	MSTP, C2 LAB	295 SQ. FT.
301A	CORRIDOR	204 SQ. FT.	319	CORRIDOR	178 SQ. FT.	332	MSTP, BREAKOUT	295 SQ. FT.
302	STAIR 1	192 SQ. FT.	320	SHARED CONTROL ROOM	557 SQ. FT.	333	MSTP, BREAKOUT	295 SQ. FT.
303	MEN'S TOILET/SHOWER	476 SQ. FT.	321	MSTP, WAR ROOM	1,145 SQ. FT.	334	MSTP, BREAKOUT	295 SQ. FT.
304	JANITOR	15 SQ. FT.	322	MSTP, CLASSROOM	710 SQ. FT.	335	MSTP, BREAKOUT	295 SQ. FT.
305	WOMEN'S TOILET/SHOWER	212 SQ. FT.	323	MSTP, COMMAND CENTER	2,511 SQ. FT.	336	MSTP, BREAKOUT	295 SQ. FT.
306	ELECTRICAL	77 SQ. FT.	324	CORRIDOR	1,147 SQ. FT.	337	DATA	274 SQ. FT.
307	MSTP, FLEX SPACE	248 SQ. FT.	328	STAIR 2	191 SQ. FT.			
308	MSTP, EVTC	416 SQ. FT.	329	MSTP, OFFICE	155 SQ. FT.			
309	SHARED CONFERENCE	217 SQ. FT.	330	MSTP, CONFERENCE	331 SQ. FT.			



KEY PLAN

SCALE: NONE

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

		APPR
		DATE
		DESCRIPTION
		SYM

NAVFAC

NOT FOR CONSTRUCTION

PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

PREFINAL NOT READY FOR INSPECTION

CLARK NEXSEN
Architecture & Engineering
6160 KEMPSVILLE CIRCLE
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757.455.6000 FAX 757-455-5638
WWW.CLARKNEXSEN.COM

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

XXXXX

SATISFACTORY TO DATE DD/MM/YY

DES JPG DRW KAF CHK RAM

<<PM/DM>> XXXX

BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<<XX>> XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC - WASHINGTON, D.C.
QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM
THIRD FLOOR PLAN - A

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

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

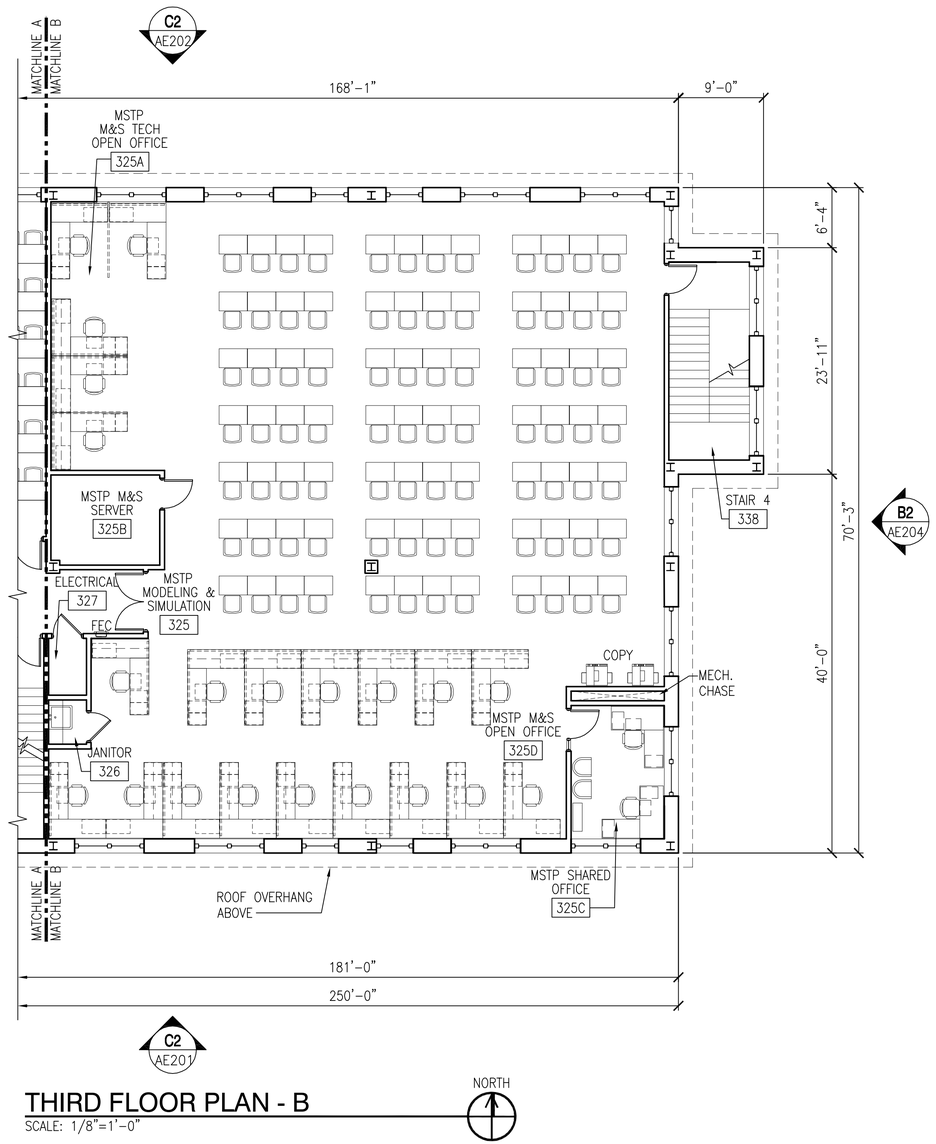
NAVFAC DRAWING NO.
–

SHEET 17 OF 27

AE106

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE106.dwg LAYOUT NAME: AE106 THIRD FLOOR PLAN - A PLOTTED: Thursday, January 30, 2014 - 3:09pm USER: pgallagher



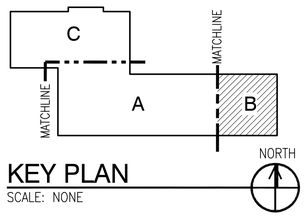
THIRD FLOOR PLAN - B

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

NORTH

ROOM SCHEDULE

ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE
325	MSTP, MODELING & SIMULATION	2,495 SQ. FT.
325A	MSTP, M&S TECH OPEN OFFICE	340 SQ. FT.
325B	MSTP, M&S SERVER	109 SQ. FT.
325C	MSTP, SHARED OFFICE	139 SQ. FT.
325D	MSTP, M&S OPEN OFFICE	1,157 SQ. FT.
326	JANITOR	19 SQ. FT.
327	ELECTRICAL	24 SQ. FT.
338	STAIR 4	191 SQ. FT.



KEY PLAN

SCALE: NONE

NORTH

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

NO.	DESCRIPTION	DATE	APPR

NAVFAC

NOT FOR CONSTRUCTION

PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

PREFINAL NOT FOR CONSTRUCTION

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A/E INFO

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ACTIVITY

XXXXX

SATISFACTORY TO DATE DD/MM/YY

DES JPG DRW KAF CHK RAM

<<PM/TM>> XXXX

BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<<XXX>> XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC – WASHINGTON, D.C.

QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM
THIRD FLOOR PLAN – B

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

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

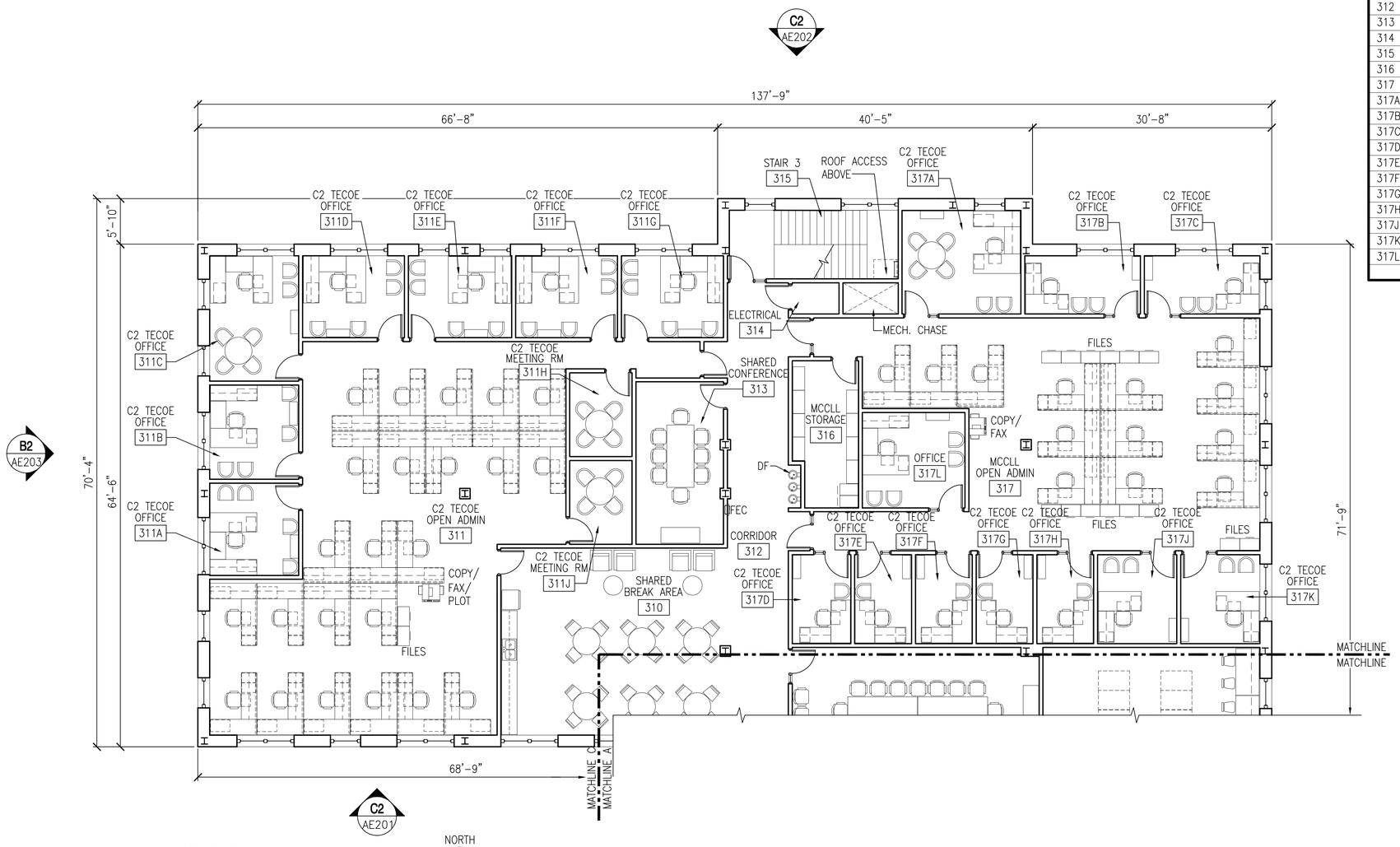
NAVFAC DRAWING NO.
–

SHEET 18 OF 27

AE107

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE107.dwg LAYOUT NAME: AE107 THIRD FLOOR PLAN – B PLOTTED: Thursday, January 30, 2014 – 3:09pm USER: pgallagher

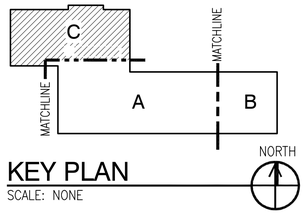


THIRD FLOOR PLAN - C

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

ROOM SCHEDULE

ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE
310	SHARED BREAK AREA	696 SQ. FT.
311	C2 TECOE, OPEN ADMIN	1,796 SQ. FT.
311A	C2 TECOE, OFFICE	135 SQ. FT.
311B	C2 TECOE, OFFICE	138 SQ. FT.
311C	C2 TECOE, OFFICE	184 SQ. FT.
311D	C2 TECOE, OFFICE	137 SQ. FT.
311E	C2 TECOE, OFFICE	139 SQ. FT.
311F	C2 TECOE, OFFICE	137 SQ. FT.
311G	C2 TECOE, OFFICE	137 SQ. FT.
311H	C2 TECOE, MEETING RM	86 SQ. FT.
311J	C2 TECOE, MEETING RM	86 SQ. FT.
312	CORRIDOR	754 SQ. FT.
313	SHARED CONFERENCE	233 SQ. FT.
314	ELECTRICAL	24 SQ. FT.
315	STAIR 3	192 SQ. FT.
316	MCCLL, STORAGE	150 SQ. FT.
317	MCCLL, OPEN ADMIN	1,405 SQ. FT.
317A	MCCLL, OFFICE	203 SQ. FT.
317B	MCCLL, OFFICE	110 SQ. FT.
317C	MCCLL, OFFICE	110 SQ. FT.
317D	MCCLL, OFFICE	85 SQ. FT.
317E	MCCLL, OFFICE	85 SQ. FT.
317F	MCCLL, OFFICE	85 SQ. FT.
317G	MCCLL, OFFICE	85 SQ. FT.
317H	MCCLL, OFFICE	85 SQ. FT.
317J	MCCLL, OFFICE	116 SQ. FT.
317K	MCCLL, OFFICE	116 SQ. FT.
317L	MCCLL, OFFICE	158 SQ. FT.



KEY PLAN

SCALE: NONE

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

NOT FOR CONSTRUCTION

PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

PREFINAL NOT FOR CONSTRUCTION SUBMITTAL FOR REVIEW ONLY

CLARK NEXSEN

Architecture & Engineering

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WWW.CLARKNEXSEN.COM

A/E INFO

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ACTIVITY

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SATISFACTORY TO DATE DD/MM/YY

DES JPG DRW KAF CHK RAM

<<CPM/DM>> XXXX

BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<<XXX>> XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC – WASHINGTON, D.C.

QUANTICO MARINE CORPS BASE
QUANTICO, VIRGINIA

MARINE CORPS BASE QUANTICO

P677

ACADEMIC INSTRUCTION FACILITY TECOM

THIRD FLOOR PLAN – C

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

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

NAVFAC DRAWING NO.
–

SHEET 19 OF 27

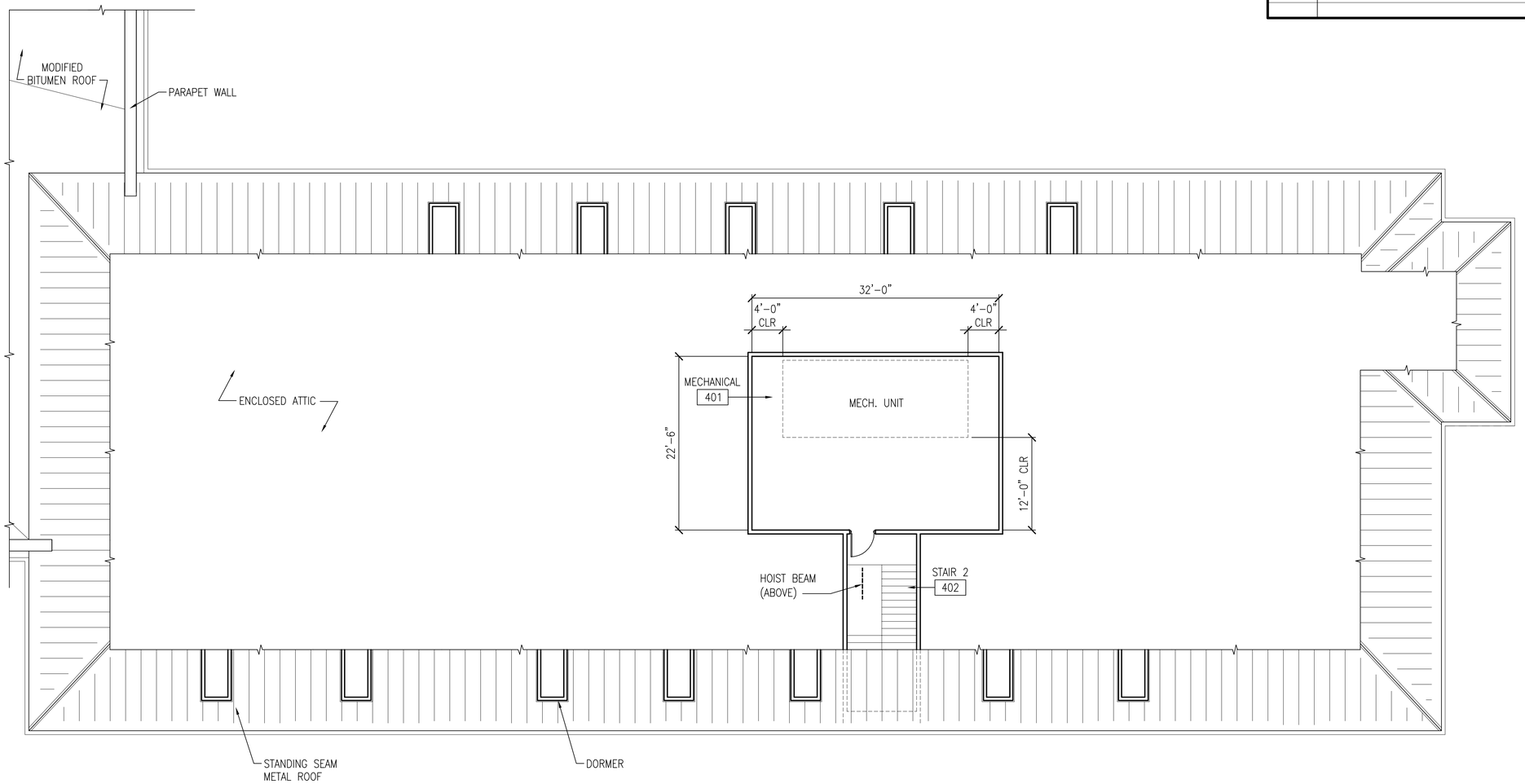
AE108

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE108.dwg LAYOUT NAME: AE108 THIRD FLOOR PLAN – C PLOTTED: Thursday, January 30, 2014 – 3:09pm USER: pgallagher

ROOM SCHEDULE

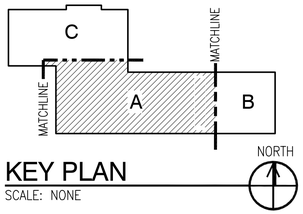
ROOM NUMBER	ROOM DESCRIPTION	SQUARE FOOTAGE
401	MECHANICAL	720 SQ. FT.
402	STAIR 2	207 SQ. FT.



PARTIAL ATTIC PLAN - A

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

NORTH



KEY PLAN

SCALE: NONE

NORTH

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

APPR	
DATE	
DESCRIPTION	
SYM	

NAVFAC

NOT FOR CONSTRUCTION

PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

PREFINAL NOT READY FOR INSPECTION

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ACTIVITY

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SATISFACTORY TO DATE DD/MM/YY

DES JPG DRW KAF CHK RAM

<<PM/DM>> XXXX

BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<<XXX>> XX

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NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC – WASHINGTON, D.C.
QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

PARTIAL ATTIC PLAN – A

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

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

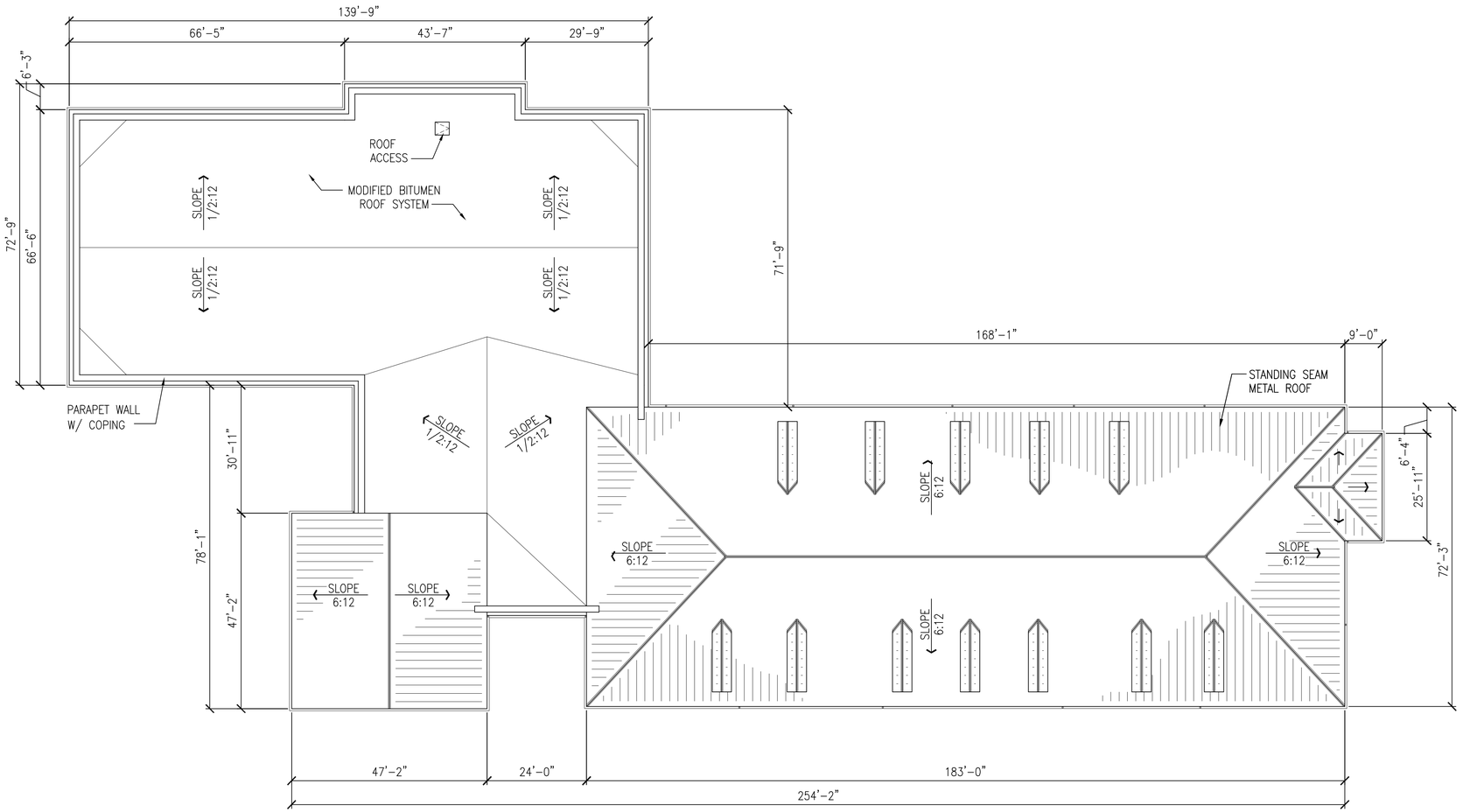
NAVFAC DRAWING NO.
–

SHEET 20 OF 27

AE109

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE109.dwg LAYOUT NAME: AE109 PARTIAL ATTIC PLAN – A PLOTTED: Thursday, January 30, 2014 – 3:09pm USER: pgallagher



ROOF PLAN

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

GRAPHIC SCALE

1/16" = 1'-0" 0 5' 10' 20' 30' 60'

NAVFAC

NOT FOR CONSTRUCTION

PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

PRELIMINARY NOT FOR CONSTRUCTION

CLARK NEXSEN

Architecture & Engineering

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WWW.CLARKNEXSEN.COM

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ACTIVITY

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SATISFACTORY TO DATE DD/MM/YY

DES JPG DRW KAF CHK RAM

<<PM/DM>> XXXX

BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<<XXX>> XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
QUANTICO MARINE CORPS BASE
NAVFAC – WASHINGTON, D.C.

MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

ROOF PLAN

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

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

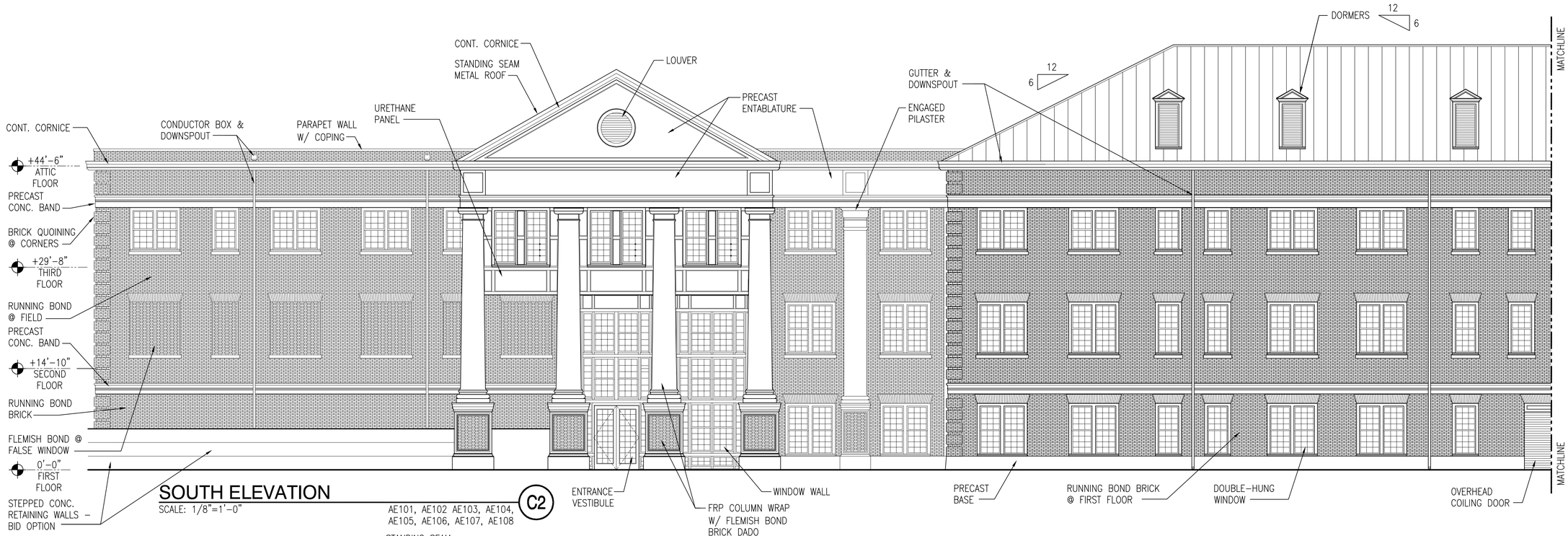
NAVFAC DRAWING NO.
–

SHEET 21 OF 27

AE110

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE110.dwg LAYOUT NAME: AE110 ROOF PLAN PLOTTED: Friday, January 31, 2014 - 2:28pm USER: pgallagher

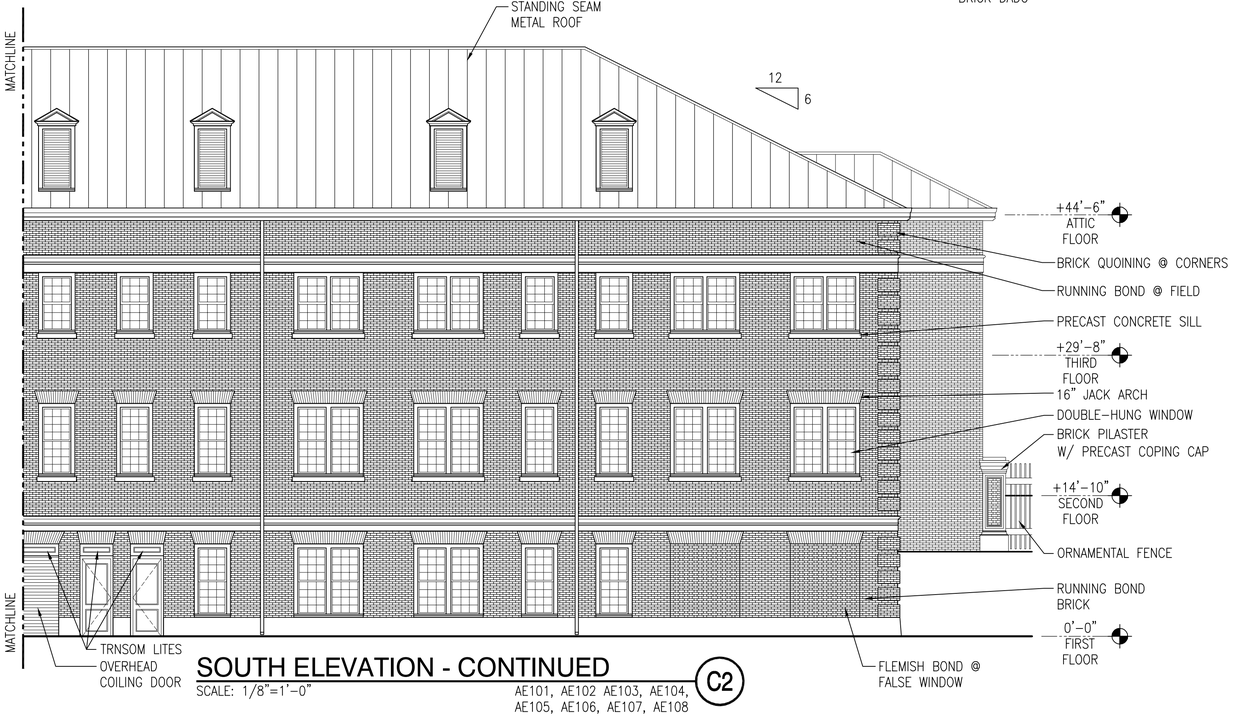


SOUTH ELEVATION

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

C2

AE101, AE102 AE103, AE104, AE105, AE106, AE107, AE108

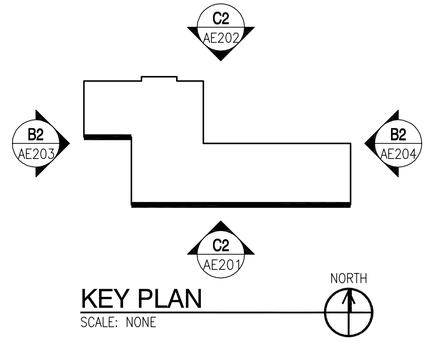


SOUTH ELEVATION - CONTINUED

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

C2

AE101, AE102 AE103, AE104, AE105, AE106, AE107, AE108



KEY PLAN

SCALE: NONE

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

APPR	
DATE	
DESCRIPTION	
SYM	

NAVFAC

NOT FOR CONSTRUCTION

PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

PRELIMINARY NOT FOR CONSTRUCTION

CLARK NEXSEN

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A/E INFO

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ACTIVITY

XXXXX

SATISFACTORY TO DATE DD/MM/YY

DES JPG DRW KAF CHK RAM

<CPM/TM/> XXXX

BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<XXX> XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC - WASHINGTON, D.C.

QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

SOUTH BUILDING ELEVATION

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

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

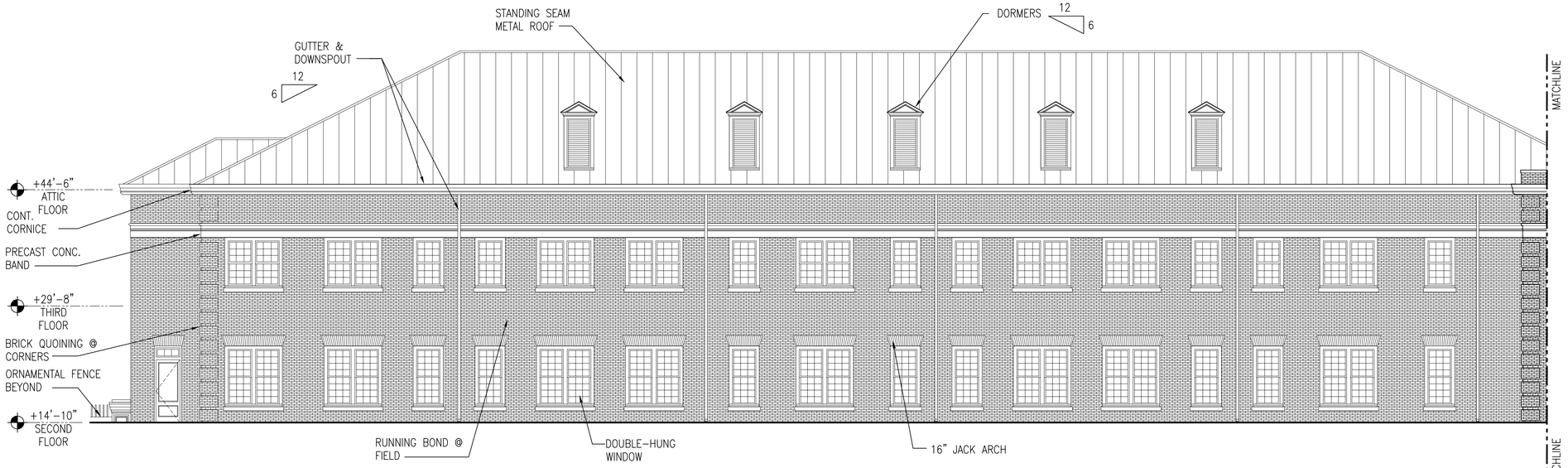
NAVFAC DRAWING NO.
-

SHEET 22 OF 27

AE201

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE201.dwg LAYOUT NAME: AE201 SOUTH BUILDING ELEVATION PLOTTED: Friday, January 31, 2014 - 7:58am USER: pgallagher

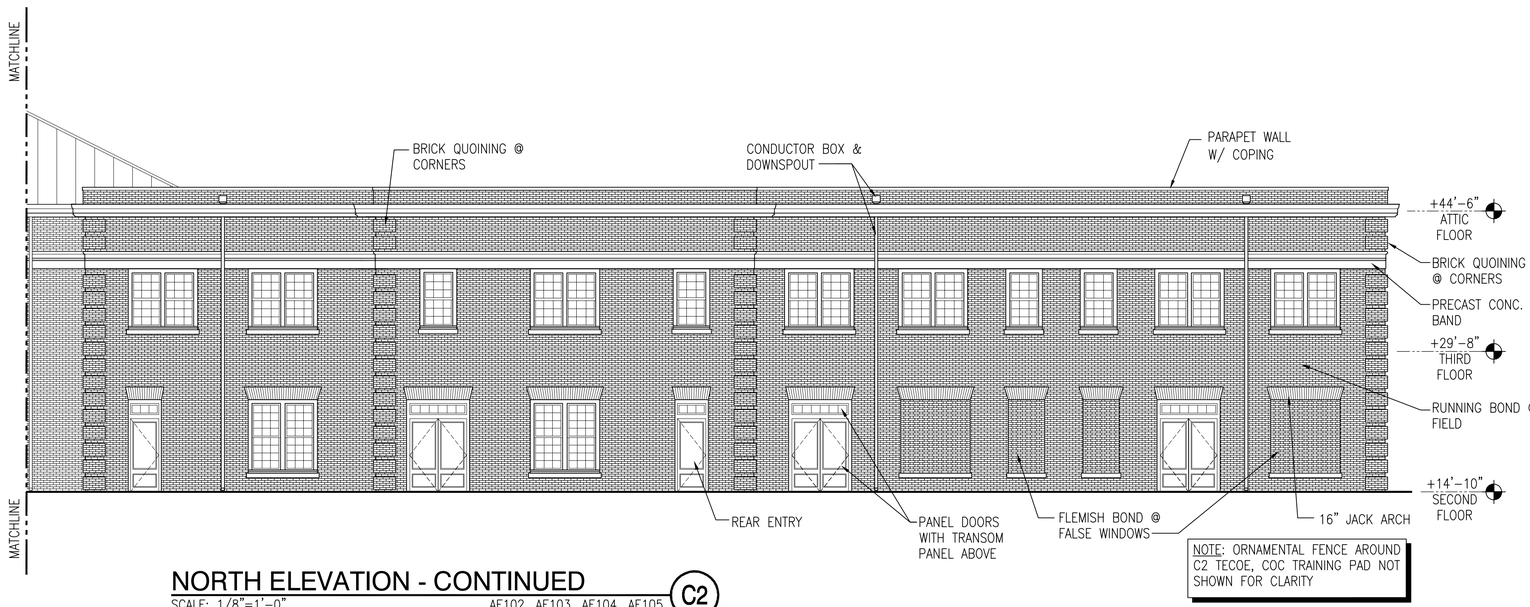


NORTH ELEVATION

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

AE102, AE103, AE104, AE105
AE106, AE107, AE108

C2



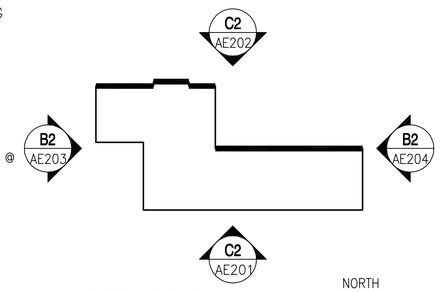
NORTH ELEVATION - CONTINUED

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

AE102, AE103, AE104, AE105
AE106, AE107, AE108

C2

NOTE: ORNAMENTAL FENCE AROUND C2 TECOE, COC TRAINING PAD NOT SHOWN FOR CLARITY



KEY PLAN

SCALE: NONE

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

APPR	
DATE	
DESCRIPTION	
SYM	

NAVFAC

NOT FOR CONSTRUCTION

PROJECT STATUS
FINAL SUBMITTAL
2-03-2014

SEAL

PRELIMINARY NOT FOR CONSTRUCTION

CLARK NEXSEN
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A/E INFO

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FOR COMMANDER NAVFAC

ACTIVITY
XXXXX

SATISFACTORY TO DATE DD/MM/YY

DES JPG	DRW KAF CHK RAM
<<PM/DM>>	XXXX
BRANCH MANAGER	XX
CHIEF ENG/ARCH	XXX
<<XX>>	XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC - WASHINGTON, D.C.
QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

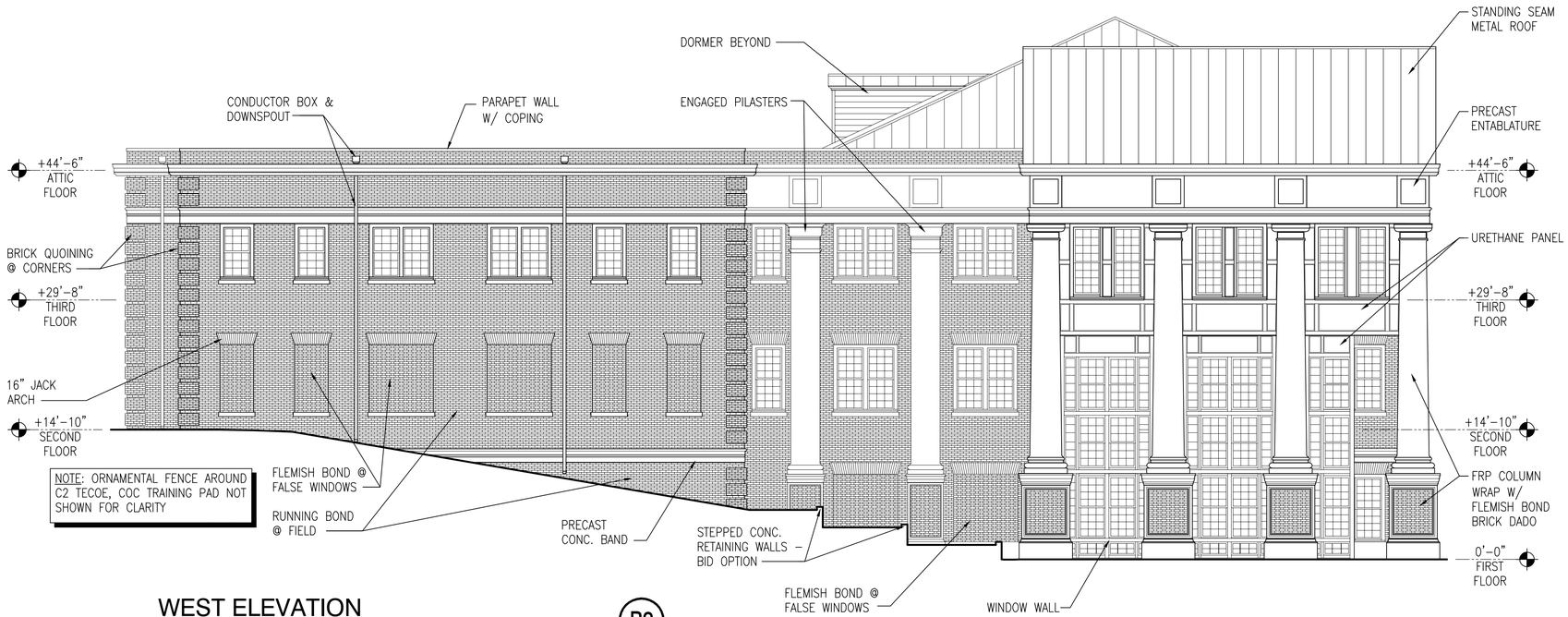
NORTH BUILDING ELEVATION

SCALE: 1/8"=1'-0"
EPROJECT NO.
CONSTR. CONTR. NO.
N40080-10-D-0303-86
NAVFAC DRAWING NO.
–
SHEET 23 OF 27

AE202

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE202.dwg LAYOUT NAME: AE202 NORTH BUILDING ELEVATION PLOTTED: Friday, January 31, 2014 - 7:59am USER: pgallagher

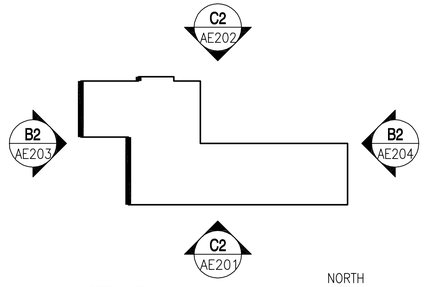


WEST ELEVATION

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

AE101, AE103, AE105, AE106, AE107, AE108

B2



KEY PLAN

SCALE: NONE

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

NOT FOR CONSTRUCTION

PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

PRELIMINARY NOT FOR CONSTRUCTION

CLARK NEXSEN

Architecture & Engineering

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SUITE 200A
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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

XXXXX

SATISFACTORY TO DATE DD/MM/YY

DES JPG DRW KAF CHK RAM

<<CPM/DM>> XXXX

BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<<XXX>> XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC - WASHINGTON, D.C.
QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

WEST BUILDING ELEVATION

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

EPROJECT NO.

CONSTR. CONTR. NO.
N40080-10-D-0303-86

NAVFAC DRAWING NO.
-

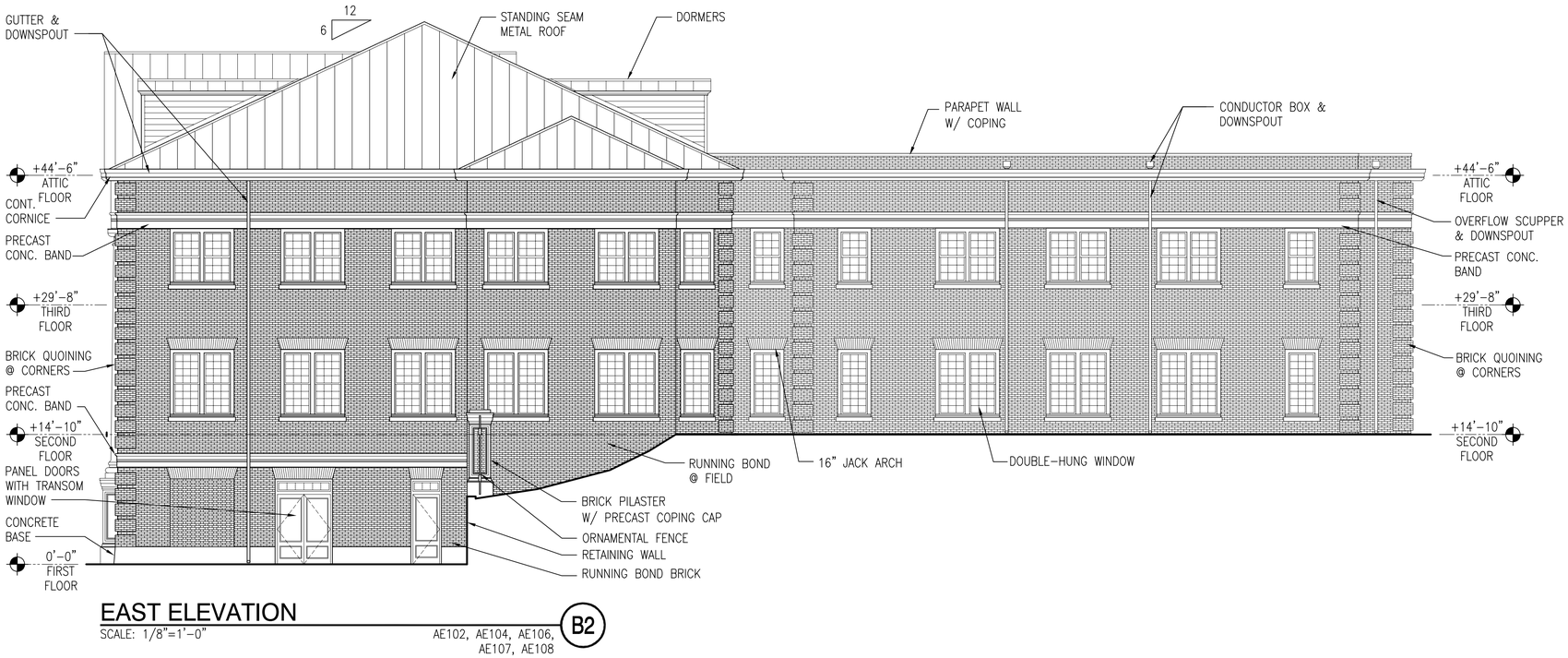
SHEET 24 OF 27

AE203

DRAWFORM REVISION: 10 MARCH 2009

APPR | DATE | DESCRIPTION | SYM

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE203.dwg LAYOUT NAME: AE203 WEST BUILDING ELEVATION PLOTTED: Friday, January 31, 2014 - 8:00am USER: pgallagher

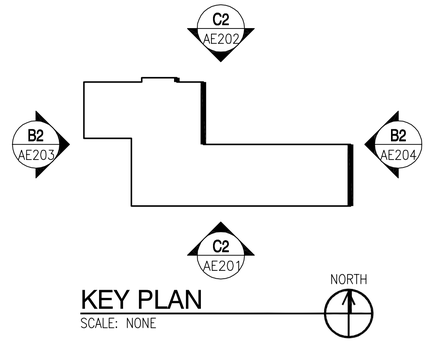


EAST ELEVATION

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

AE102, AE104, AE106, AE107, AE108

B2



KEY PLAN

SCALE: NONE

GRAPHIC SCALE

1/8" = 1'-0"

0 5' 10' 15' 30'

APPR	
DATE	
DESCRIPTION	
SYM	

NAVFAC

NOT FOR CONSTRUCTION

PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

PRELIMINARY NOT FOR CONSTRUCTION

CLARK NEXSEN
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757 455-5800 FAX 757 455-5638
WWW.CLARKNEXSEN.COM
A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

XXXXX

SATISFACTORY TO DATE DD/MM/YY

DES JPG DRW KAF CHK RAF

<<PM/DM>>	XXXX
BRANCH MANAGER	XX
CHIEF ENG/ARCH	XXX
<<XX>>	XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC – WASHINGTON, D.C.
QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

EAST BUILDING ELEVATION

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

EPROJECT NO.:

CONSTR. CONTR. NO.
N40080-10-D-0303-86

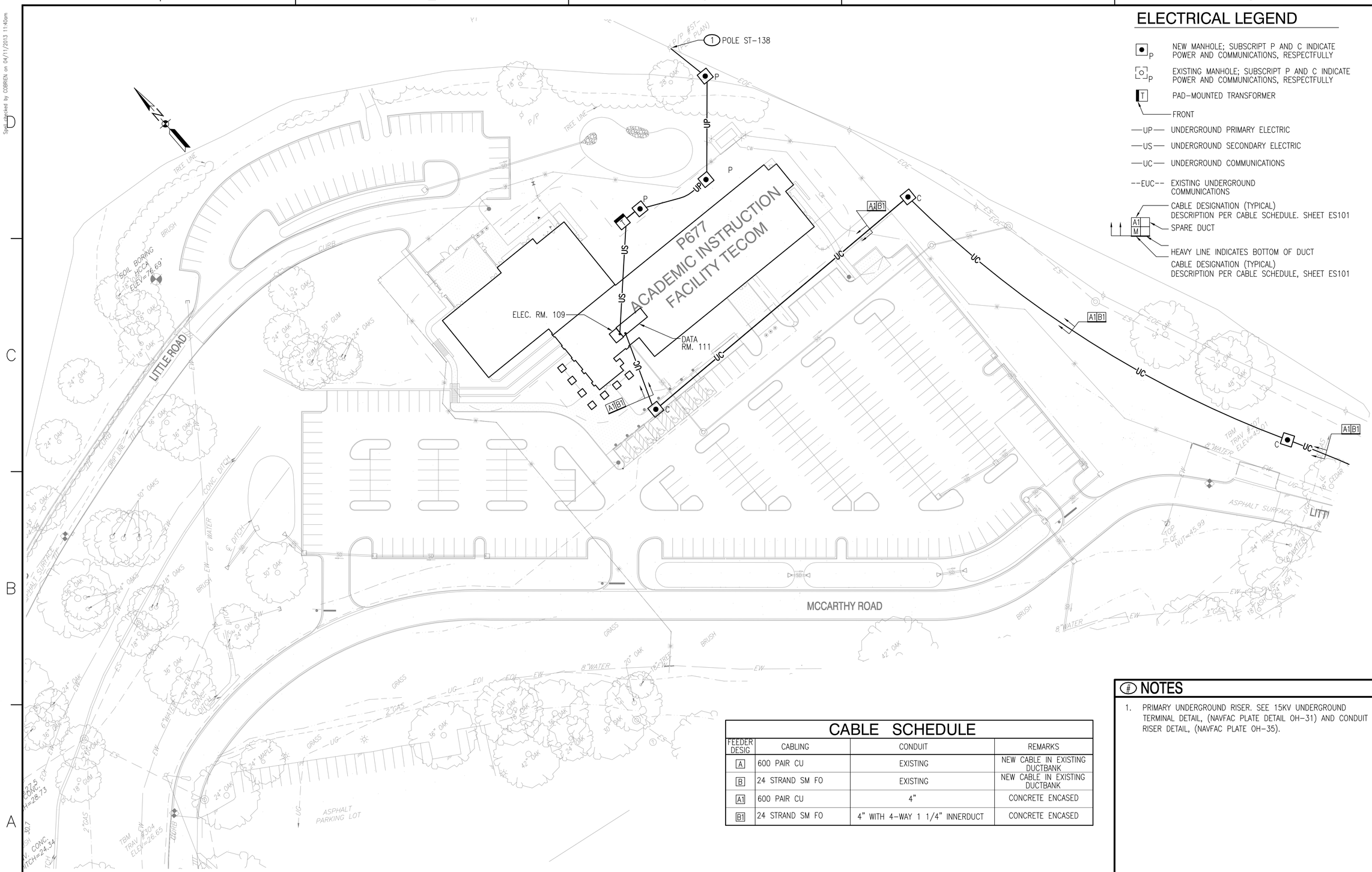
NAVFAC DRAWING NO.
–

SHEET 25 OF 27

AE204

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\A\AE204.dwg LAYOUT NAME: AE204 EAST BUILDING ELEVATION PLOTTED: Friday, January 31, 2014 - 8:01am USER: jgallagher



ELECTRICAL LEGEND

- NEW MANHOLE; SUBSCRIPT P AND C INDICATE POWER AND COMMUNICATIONS, RESPECTFULLY
- EXISTING MANHOLE; SUBSCRIPT P AND C INDICATE POWER AND COMMUNICATIONS, RESPECTFULLY
- PAD-MOUNTED TRANSFORMER
- FRONT
- —UP— UNDERGROUND PRIMARY ELECTRIC
- —US— UNDERGROUND SECONDARY ELECTRIC
- —UC— UNDERGROUND COMMUNICATIONS
- --EUC-- EXISTING UNDERGROUND COMMUNICATIONS
- CABLE DESIGNATION (TYPICAL) DESCRIPTION PER CABLE SCHEDULE. SHEET ES101
- SPARE DUCT
- HEAVY LINE INDICATES BOTTOM OF DUCT
- CABLE DESIGNATION (TYPICAL) DESCRIPTION PER CABLE SCHEDULE, SHEET ES101

CABLE SCHEDULE

FEEDER DESIG	CABLING	CONDUIT	REMARKS
A	600 PAIR CU	EXISTING	NEW CABLE IN EXISTING DUCTBANK
B	24 STRAND SM FO	EXISTING	NEW CABLE IN EXISTING DUCTBANK
A1	600 PAIR CU	4"	CONCRETE ENCASED
B1	24 STRAND SM FO	4" WITH 4-WAY 1 1/4" INNERDUCT	CONCRETE ENCASED

NOTES

1. PRIMARY UNDERGROUND RISER. SEE 15KV UNDERGROUND TERMINAL DETAIL, (NAVFAC PLATE DETAIL OH-31) AND CONDUIT RISER DETAIL, (NAVFAC PLATE OH-35).

ELECTRICAL SITE PLAN

SCALE: 1"=40'

GRAPHIC SCALE

1"=40' 0 20' 40' 80' 160'

NAVFAC

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PROJECT STATUS

FINAL SUBMITTAL

2-03-2014

SEAL

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A/E INFO

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ACTIVITY XXXXX

SATISFACTORY TO DATE DD/MM/YY

DES DWR DRW CPO CHK SPS

<<PM/DM>> XXXX

BRANCH MANAGER XX

CHIEF ENG/ARCH XXX

<<XXX>> XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
QUANTICO MARINE CORPS BASE
NAVFAC - WASHINGTON, D.C.
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA

P677
ACADEMIC INSTRUCTION FACILITY TECOM

ELECTRICAL SITE PLAN

SCALE: 1"=40'

EPROJECT NO.:

CONSTR. CONTR. NO. N40080-10-D-0303-86

NAVFAC DRAWING NO. ----

SHEET 26 OF 27

ES101

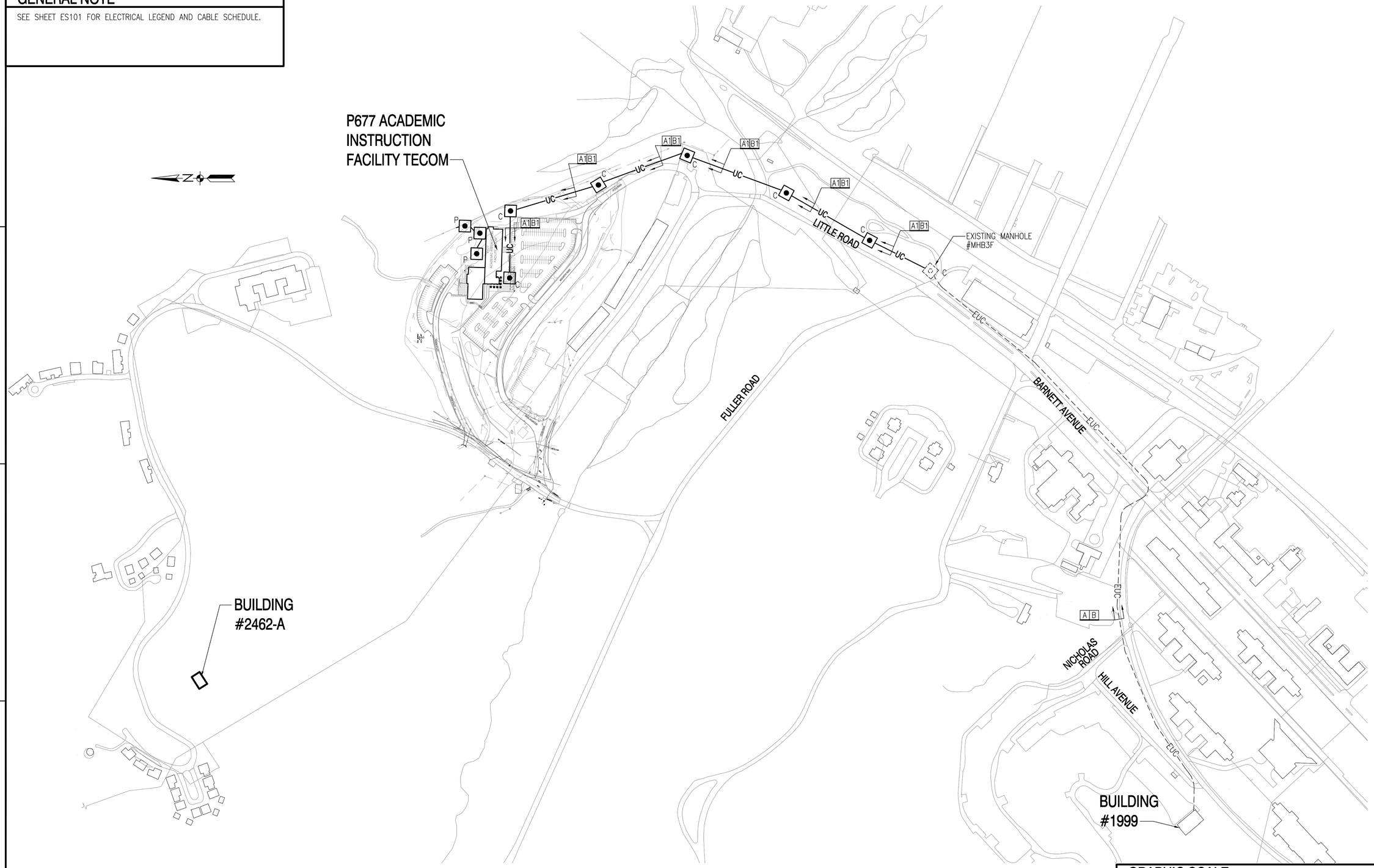
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\ES101.dwg LAYOUT NAME: ES101 ELECTRICAL SITE PLAN PLOTTED: Friday, January 31, 2014 - 1:43pm USER: bwarren

Spell checked by COBRIEN on 04/11/2013 11:40am

GENERAL NOTE

SEE SHEET ES101 FOR ELECTRICAL LEGEND AND CABLE SCHEDULE.



ELECTRICAL SITE PLAN
SCALE: 1"=200'

GRAPHIC SCALE
1"=200' 0 100' 200' 400' 800'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

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PROJECT STATUS
FINAL SUBMITTAL
2-03-2014
SEAL

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APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
XXXXX
SATISFACTORY TO DATE DD/MM/YY
DES DWR DRW CPO CHK SPS
<<PM/TM>> XXXX
BRANCH MANAGER XX
CHIEF ENG/ARCH XXX
<<XXX>> XX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC – WASHINGTON, D.C.
QUANTICO MARINE CORPS BASE
MARINE CORPS BASE QUANTICO
QUANTICO, VIRGINIA
P677
ACADEMIC INSTRUCTION FACILITY TECOM
ELECTRICAL SITE PLAN

SCALE: 1"=200'
EPROJECT NO.:
CONSTR. CONTR. NO.
N40080-10-D-0303-86
NAVFAC DRAWING NO.
SHEET 27 OF 27
ES102

DRAWFORM REVISION: 10 MARCH 2009

Saved checked by COBRIEN on 04/11/2013 11:40am
FILE NAME: H:\2012\4618-P677 Academic Instruction Facility TECOM\CAD-Norfolk\Sheets\ES\ES102 ELECTRICAL SITE PLAN.dwg LAYOUT NAME: ES102 ELECTRICAL SITE PLAN PLOTTED: Friday, January 31, 2014 - 1:44pm USER: swarren