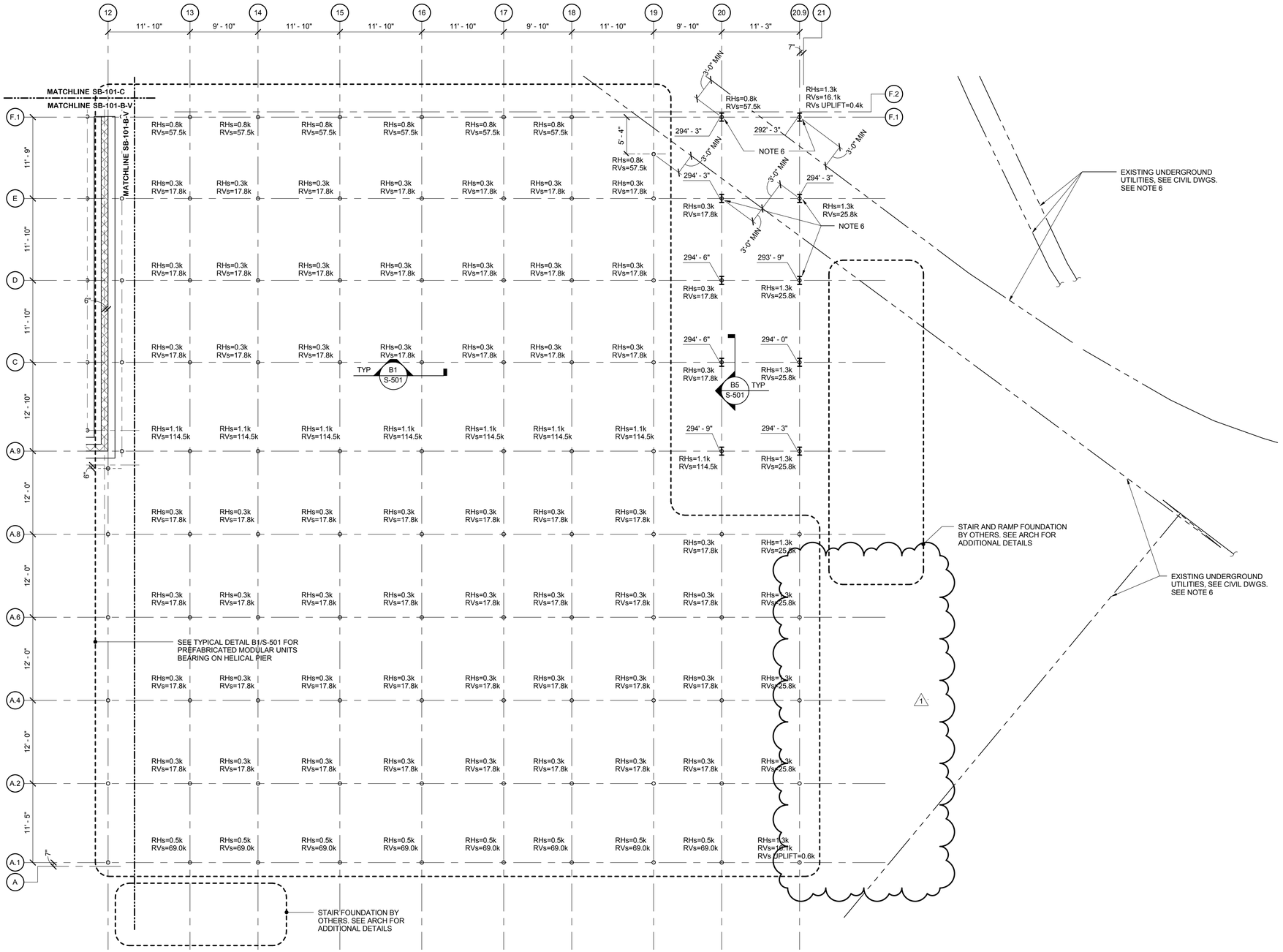


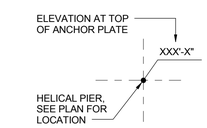
A1 HELICAL PIER FOUNDATION PLAN - AREA A

1/8" = 1'-0"

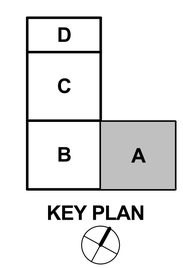
0 4'-0" 8'-0" 16'-0"

NOTES FOR FOUNDATION PLAN

1. TOP OF ANCHOR PLATE EL = 297'-9", UNO.
2. REACTIONS NOTED ON PLAN ARE SERVICE LOADS IN KIPS (k).
3. HORIZONTAL REACTIONS, RHs, ACT IN ALL DIRECTIONS.
4. VERTICAL REACTIONS, RVs, WITH POSITIVE VALUE INDICATE DOWNWARD FORCE. WHERE INDICATED PIERS MUST BE DESIGNED FOR UPLIFT VALUE SHOWN. UPLIFT IS NET UPLIFT AND SHALL NOT BE COMBINED WITH DOWNWARD FORCE INDICATED ABOVE
5. HATCHED AREA INDICATES POTENTIAL LOCATION OF EXISTING UTILITIES PER CIVIL DWGS.
6. THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF HELICAL PIERS OR BUILDING FOUNDATIONS. HELICAL PIERS MUST BE 3'-0" MIN FROM EXITING UTILITIES. IF THE ACTUAL LOCATION OF THE UTILITY IS IN POTENTIAL CONFLICT WITH A HELICAL PIER OR BUILDING FOUNDATION LOCATION, NOTIFY THE ENGINEER OF RECORD PRIOR TO INSTALLATION FOUNDATION. THE EXISTING UNDERGROUND UTILITIES MUST BE KEPT INTACT FOR THE DURATION OF THE PROJECT.
7. CONTINUOUS FOOTING SHALL BE 3'-0" x 1'-4" (WxD) REINFORCED WITH 4-#5 BARS TOP & BOTTOM, CONTINUOUS AND #6 @ 12" TOP & BOTTOM, TRANSVERSE BARS. TOP OF CONTINUOUS FOOTING ELEVATION IS 294'-8 1/2" UNO ON PLAN.
8. (SF) INDICATES STEPPED FOOTING, SEE C5/S-402
9. THE REACTIONS SHOWN ON THE PLANS ARE BASED ON THE ASSUMPTIONS LISTED IN THE GENERAL NOTES AND ON THE STRUCTURAL SHEETS AND WITHIN THE SPECIFICATIONS, WHICH INCLUDE, BUT ARE NOT LIMITED TO THE ASSUMED VALUES OF DEAD AND LIVE LOADS, THE ROOF AND FLOOR STRUCTURES ACTING AS CONTINUOUS FLEXIBLE DIAPRAGMS, AND THE LOCATIONS OF SHEAR WALLS AND COLLECTORS WITHIN THE UNITS.



FOUNDATION LEGEND



KEY PLAN

SYM	DESCRIPTION	DATE
1	BID OPTION	11/04/15
	FINAL CORRECTED SET	03/26/14
	100% FINAL DESIGN SUBMISSION	02/14/14
	65% VE SUBMISSION	11/25/13
	65% SUBMITTAL	04/26/13
	35% SUBMITTAL	03/08/13

NAVFAC

COMMONWEALTH OF VIRGINIA
MATTHEW J. MUHLENKAMP
Lic. No. 032917
11/4/15
PROFESSIONAL ENGINEER

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1101 KING STREET
SUITE 400
ALEXANDRIA, VIRGINIA 22314
703-518-8500

APPROVED
FOR COMMANDER NAVFAC
ACTITY
SATISFACTORY TO DATE

DES MJM DRW RAW CHK JBM
PM/DM CHEMENJU/HILL
BRANCH MANAGER N/A
CHIEF ENG/ARCH TOM COX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND ~ NAVFAC WASHINGTON
Walter Reed National Military Medical Center-Bethesda, Maryland
NSA/Bethesda
BETHESDA, MD
P125 - TEMPORARY MEDICAL FACILITIES
PACKAGE 2 - CLINIC BUILDING
STRUCTURAL - FOUNDATION PLAN - AREA A

SCALE: As indicated
EPROJECT NO. 1151333
CONSTR. CONTR. NO. N62470-09-D-9044
NAVFAC DRAWING NO. 13065765
SHEET OF 0
SB-101-A-V

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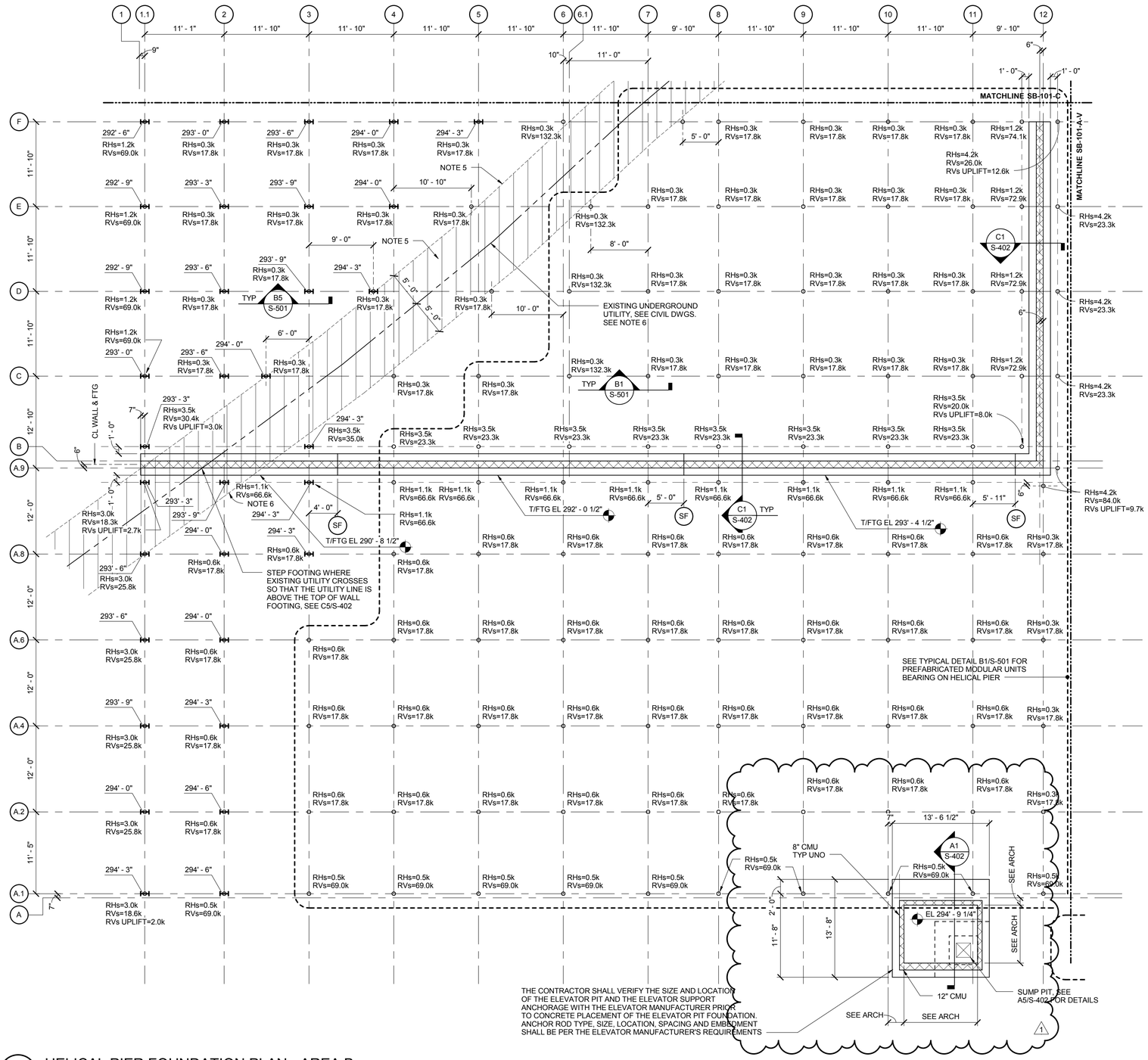

A1 HELICAL PIER FOUNDATION PLAN - AREA B

1/8" = 1'-0"

NOTES FOR FOUNDATION PLAN

1. TOP OF ANCHOR PLATE EL = 297'-9", UNO.
2. REACTIONS NOTED ON PLAN ARE SERVICE LOADS IN KIPS (k).
3. HORIZONTAL REACTIONS, RHs, ACT IN ALL DIRECTIONS.
4. VERTICAL REACTIONS, RVs, WITH POSITIVE VALUE INDICATE DOWNWARD FORCE. WHERE INDICATED PIERS MUST BE DESIGNED FOR UPLIFT VALUE SHOWN. UPLIFT IS NET UPLIFT AND SHALL NOT BE COMBINED WITH DOWNWARD FORCE INDICATED ABOVE
5. HATCHED AREA INDICATES POTENTIAL LOCATION OF EXISTING UTILITIES PER CIVIL DWGS.
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7. CONTINUOUS FOOTING SHALL BE 3'-0" x 1'-4" (WxD) REINFORCED WITH 4-#5 BARS TOP & BOTTOM, CONTINUOUS AND #6 @ 12" TOP & BOTTOM, TRANSVERSE BARS. TOP OF CONTINUOUS FOOTING ELEVATION IS 294'-8 1/2" UNO ON PLAN.
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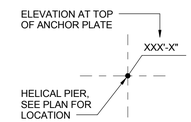
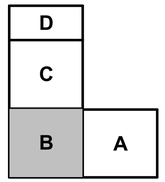
9. THE REACTIONS SHOWN ON THE PLANS ARE BASED ON THE ASSUMPTIONS LISTED IN THE GENERAL NOTES AND ON THE STRUCTURAL SHEETS AND WITHIN THE SPECIFICATIONS, WHICH INCLUDE, BUT ARE NOT LIMITED TO THE ASSUMED VALUES OF DEAD AND LIVE LOADS, THE ROOF AND FLOOR STRUCTURES ACTING AS CONTINUOUS FLEXIBLE DIAPRAGMS, AND THE LOCATIONS OF SHEAR WALLS AND COLLECTORS WITHIN THE UNITS.



FOUNDATION LEGEND



KEY PLAN

SYM	DESCRIPTION	DATE
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	35% SUBMITTAL	03/08/13

NAVFAC

COMMONWEALTH OF VIRGINIA
MATTHEW J. MUHLENKAMP
Lic. No. 032917
11/4/15
PROFESSIONAL ENGINEER

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SUITE 400
ALEXANDRIA, VIRGINIA 22314
703-518-8500

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE

DES MJM DRW RAW CHK JBM
PM/DM CHEMENJU/HILL
BRANCH MANAGER N/A
CHIEF ENG/ARCH TOM COX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND – NAVFAC WASHINGTON
Walter Reed National Military Medical Center-Bethesda, Maryland
NSA/Bethesda
BETHESDA, MD
P125 - TEMPORARY MEDICAL FACILITIES
PACKAGE 2 - CLINIC BUILDING
STRUCTURAL - FOUNDATION PLAN - AREA B

SCALE: As indicated
EPROJECT NO. 1151333
CONSTR. CONTR. NO. N62470-09-D-9044
NAVFAC DRAWING NO. 13065766
SHEET OF 0
SB-101-B-V

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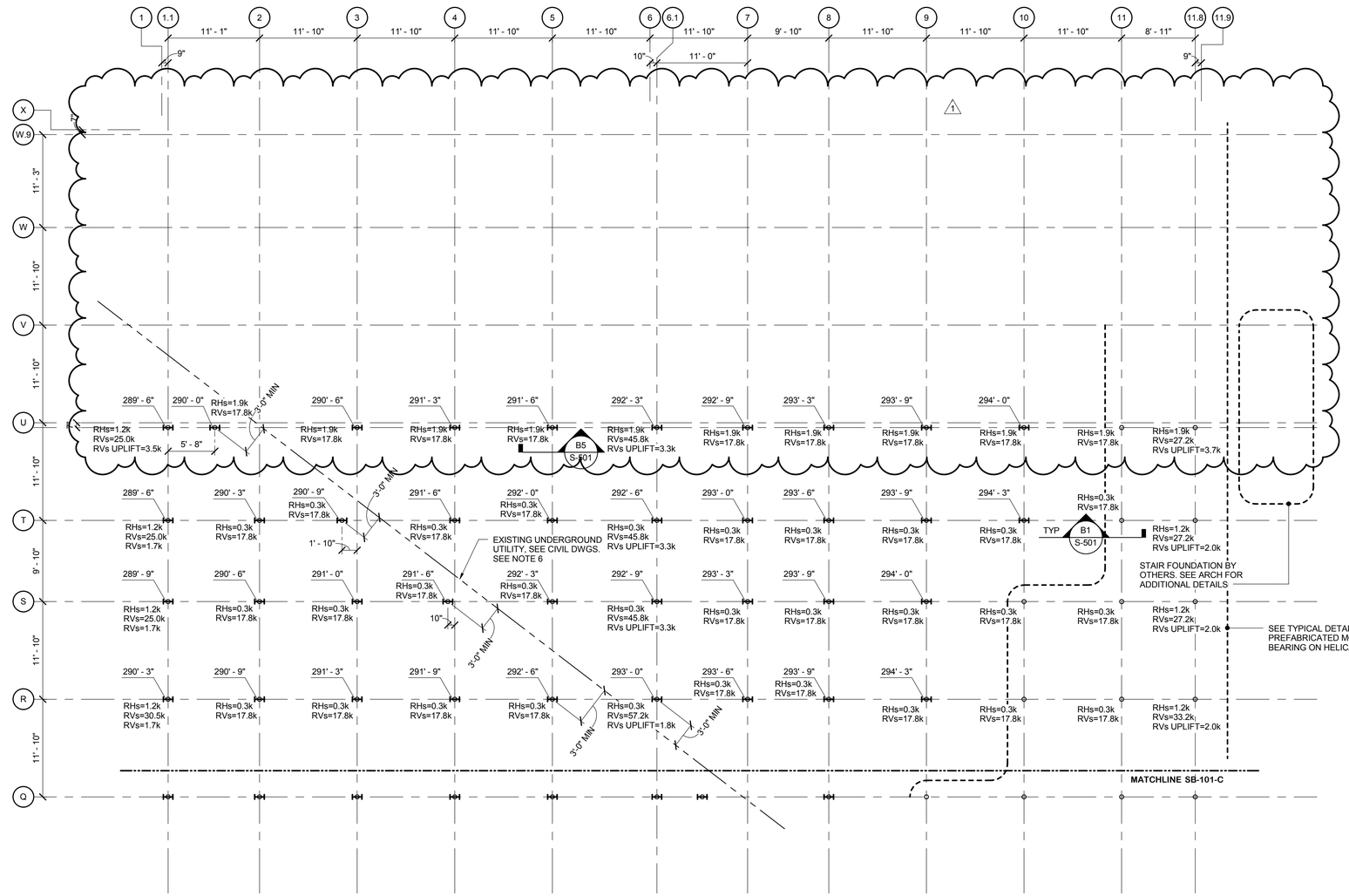

A1 HELICAL PIER FOUNDATION PLAN - AREA D

1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"

NOTES FOR FOUNDATION PLAN

1. TOP OF ANCHOR PLATE EL = 297'-9", UNO.
2. REACTIONS NOTED ON PLAN ARE SERVICE LOADS IN KIPS (k).
3. HORIZONTAL REACTIONS, RHs, ACT IN ALL DIRECTIONS.
4. VERTICAL REACTIONS, RVs, WITH POSITIVE VALUE INDICATE DOWNWARD FORCE.
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7. CONTINUOUS FOOTING SHALL BE 3'-0" x 1'-4" (WxD) REINFORCED WITH 4-#5 BARS TOP & BOTTOM, CONTINUOUS AND #6 @ 12" TOP & BOTTOM, TRANSVERSE BARS. TOP OF CONTINUOUS FOOTING ELEVATION IS 294'-8 1/2" UNO ON PLAN.
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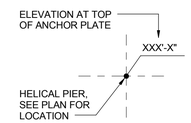
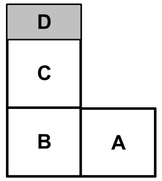


FOUNDATION LEGEND



KEY PLAN

SYM	DESCRIPTION	DATE
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NAVFAC

COMMONWEALTH OF VIRGINIA
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1101 KING STREET
SUITE 400
ALEXANDRIA, VIRGINIA 22314
703-518-8500

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MJM DRW RAW CHK JBM

PM/DM CHEMENJU/HILL

BRANCH MANAGER N/A

CHIEF ENG/ARCH TOM COX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC

NAVAL FACILITIES ENGINEERING COMMAND ~ NAVFAC WASHINGTON
Walter Reed National Military Medical Center-Bethesda, Maryland

NSA/Bethesda

BETHESDA, MD

P125 - TEMPORARY MEDICAL FACILITIES
PACKAGE 2 - CLINIC BUILDING

STRUCTURAL - FOUNDATION PLAN - AREA D

SCALE: As indicated

EFPROJECT NO.: 1151333

CONSTR. CONTR. NO. N62470-09-D-9044

NAVFAC DRAWING NO. 13065768

SHEET OF 0

SB-101-D-V

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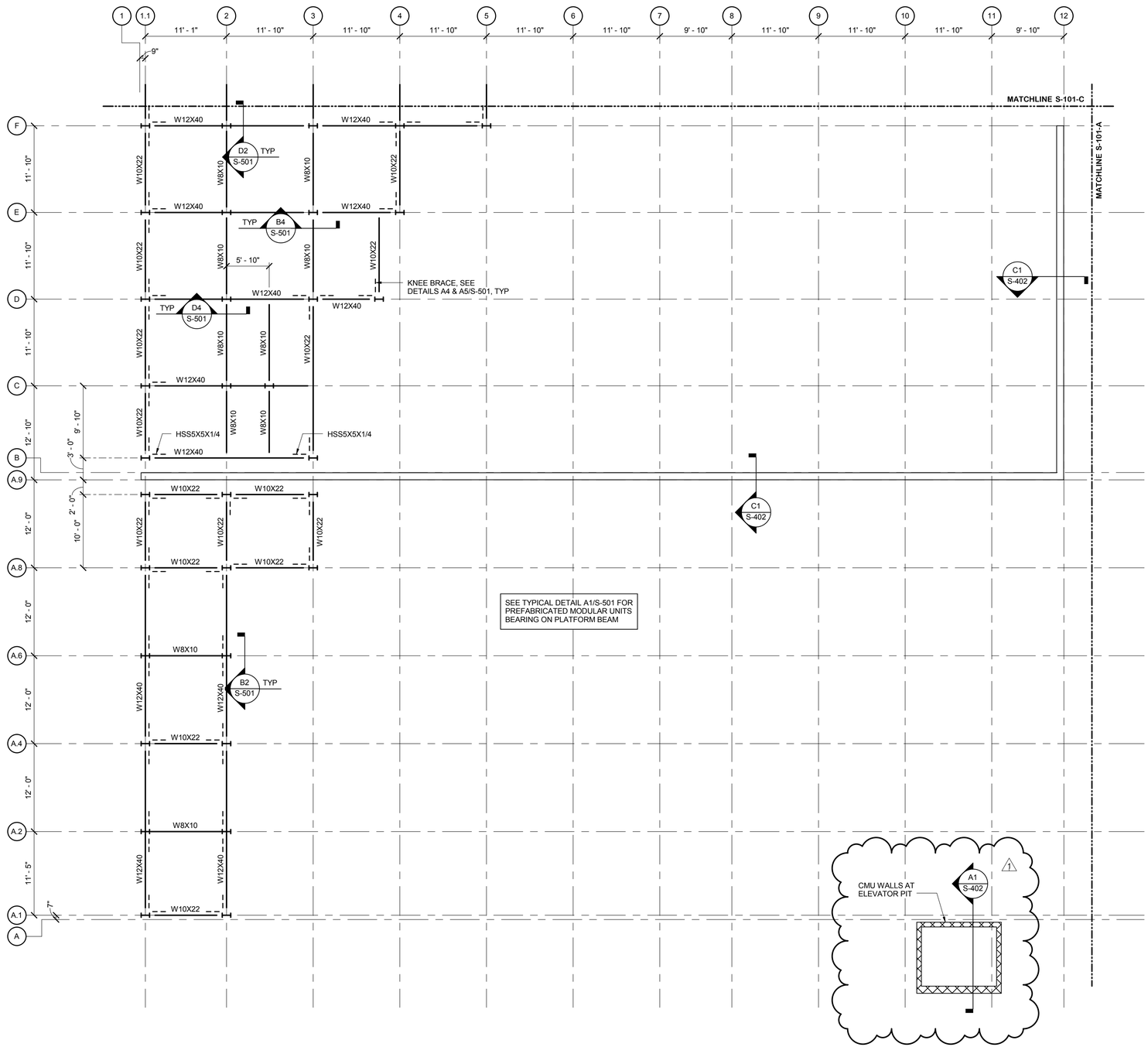


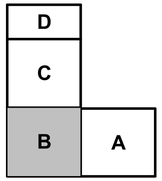
A1 PLATFORM FRAMING PLAN - AREA B

1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"

NOTES FOR PLATFORM FRAMING PLAN

1. ALL COLUMNS SHALL BE W14X30.
2. TOP OF STEEL EL = 297'-9"
3. ALL KNEE BRACES SHALL BE HSS3X3X1/4, UNO.
4. —+—+— INDICATES BEAMS CONTINUOUS OVER COLUMNS, SEE SECTION D4/S-501 FOR CONNECTION DETAIL
5. THE MODULAR MANUFACTURER SHALL CONNECT THE MODULAR BULDING STEEL TO THE TOP OF THE STEEL PLATFORM AT COLUMN LOCATIONS ONLY
6. SEE A1/S-501 AND B1/S-501 FOR CONNECTION OF MODULAR UNITS TO STEEL PLATFORM AND HELICAL PIERS



KEY PLAN

SYM	DESCRIPTION	DATE
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NAVFAC

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PROFESSIONAL ENGINEER

HDR
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SUITE 400
ALEXANDRIA, VIRGINIA 22314
703-518-8500

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE

DES MJM | DRW RAW | CHK JBM
PM/DM CHEMENJU/HILL
BRANCH MANAGER N/A
CHIEF ENG/ARCH TOM COX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND ~ NAVFAC WASHINGTON
Walter Reed National Military Medical Center-Bethesda, Maryland
NSA/Bethesda
BETHESDA, MD
P125 - TEMPORARY MEDICAL FACILITIES
PACKAGE 2 - CLINIC BUILDING
STRUCTURAL - PLATFORM FRAMING PLAN - AREA B

SCALE: As indicated
EPROJECT NO.: 1151333
CONSTR. CONTR. NO. N62470-09-D-9044
NAVFAC DRAWING NO. 13065770
SHEET OF 0

S-101-B-V

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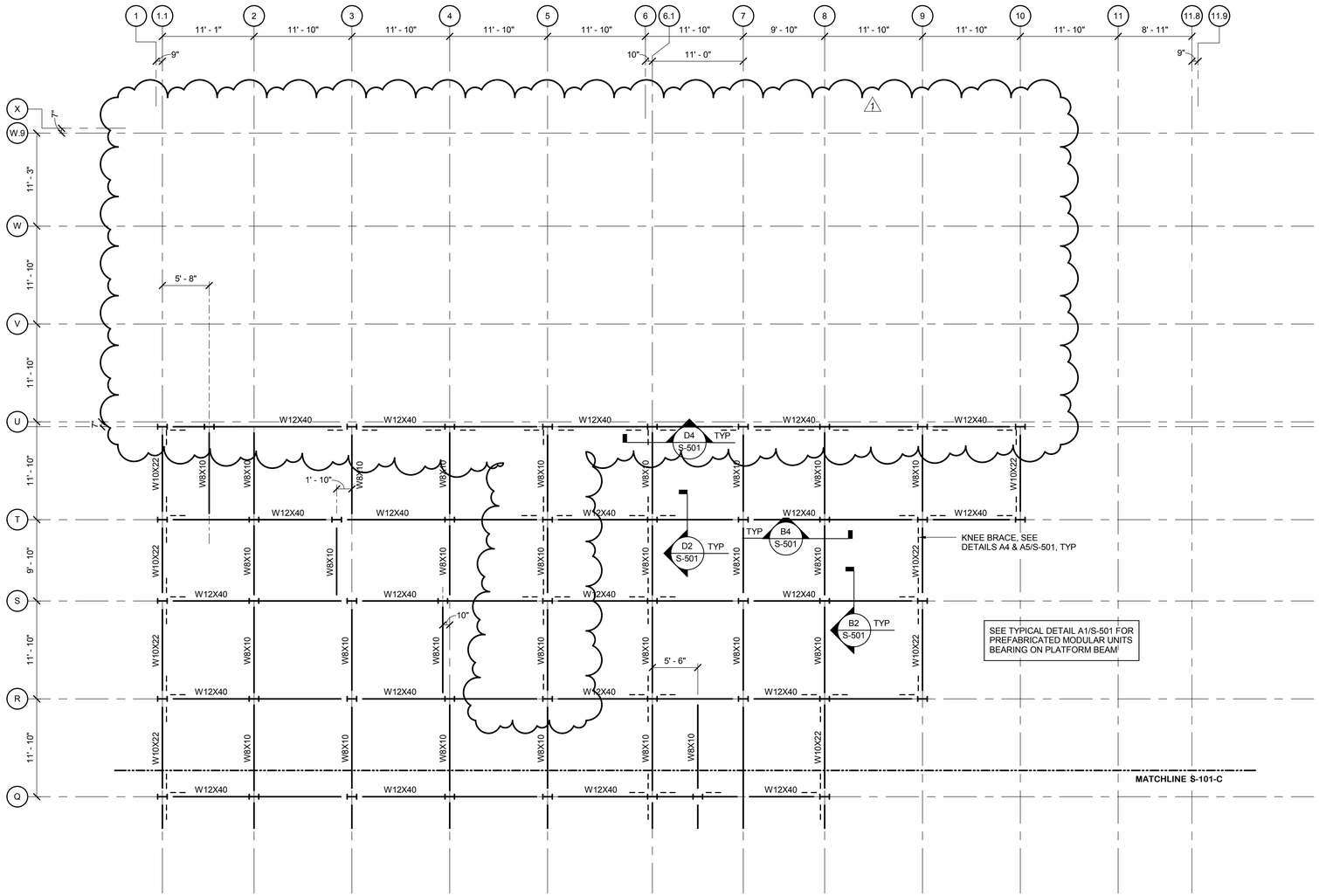


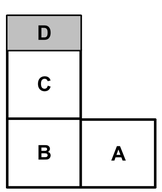
A1 PLATFORM FRAMING PLAN - AREA D

1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"

NOTES FOR PLATFORM FRAMING PLAN

1. ALL COLUMNS SHALL BE W14X30.
2. TOP OF STEEL EL = 297'-9"
3. ALL KNEE BRACES SHALL BE HSS3X3X1/4, UNO.
4. INDICATES BEAMS CONTINUOUS OVER COLUMNS, SEE SECTION D4/S-501 FOR CONNECTION DETAIL
5. THE MODULAR MANUFACTURER SHALL CONNECT THE MODULAR BULDING STEEL TO THE TOP OF THE STEEL PLATFORM AT COLUMN LOCATIONS ONLY
6. SEE A1/S-501 AND B1/S-501 FOR CONNECTION OF MODULAR UNITS TO STEEL PLATFORM AND HELICAL PIERS



KEY PLAN

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NAVFAC

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ACTIVITY
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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
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NAVAL FACILITIES ENGINEERING COMMAND ~ NAVFAC WASHINGTON
Walter Reed National Military Medical Center-Bethesda, Maryland

BETHESDA, MD
P125 - TEMPORARY MEDICAL FACILITIES
PACKAGE 2 - CLINIC BUILDING

STRUCTURAL - PLATFORM FRAMING PLAN - AREA D

SCALE: As indicated
EPROJECT NO: 1151333
CONSTR. CONTR. NO. N62470-09-D-9044
NAVFAC DRAWING NO. 13065772
SHEET OF 0

S-101-D-V

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