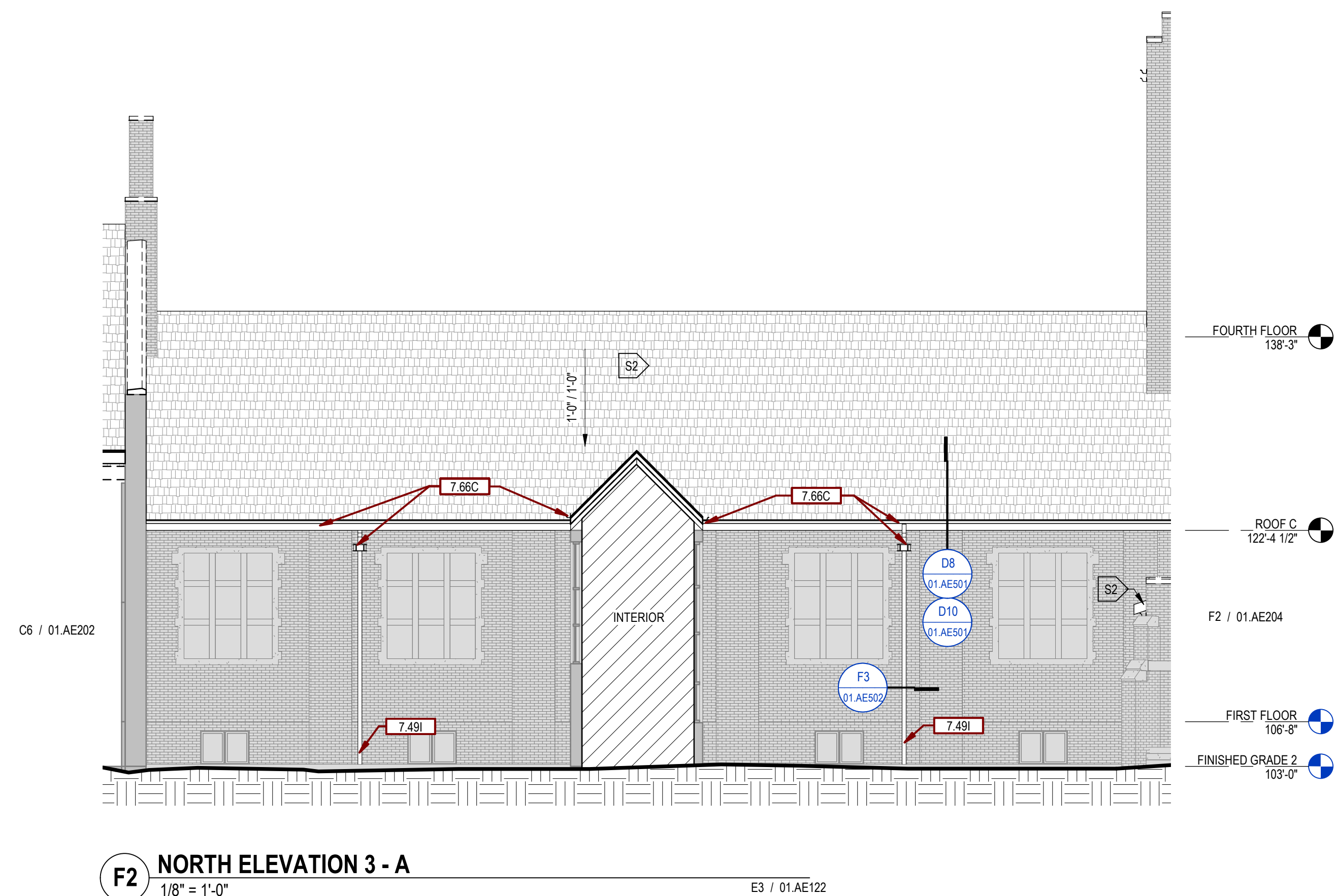
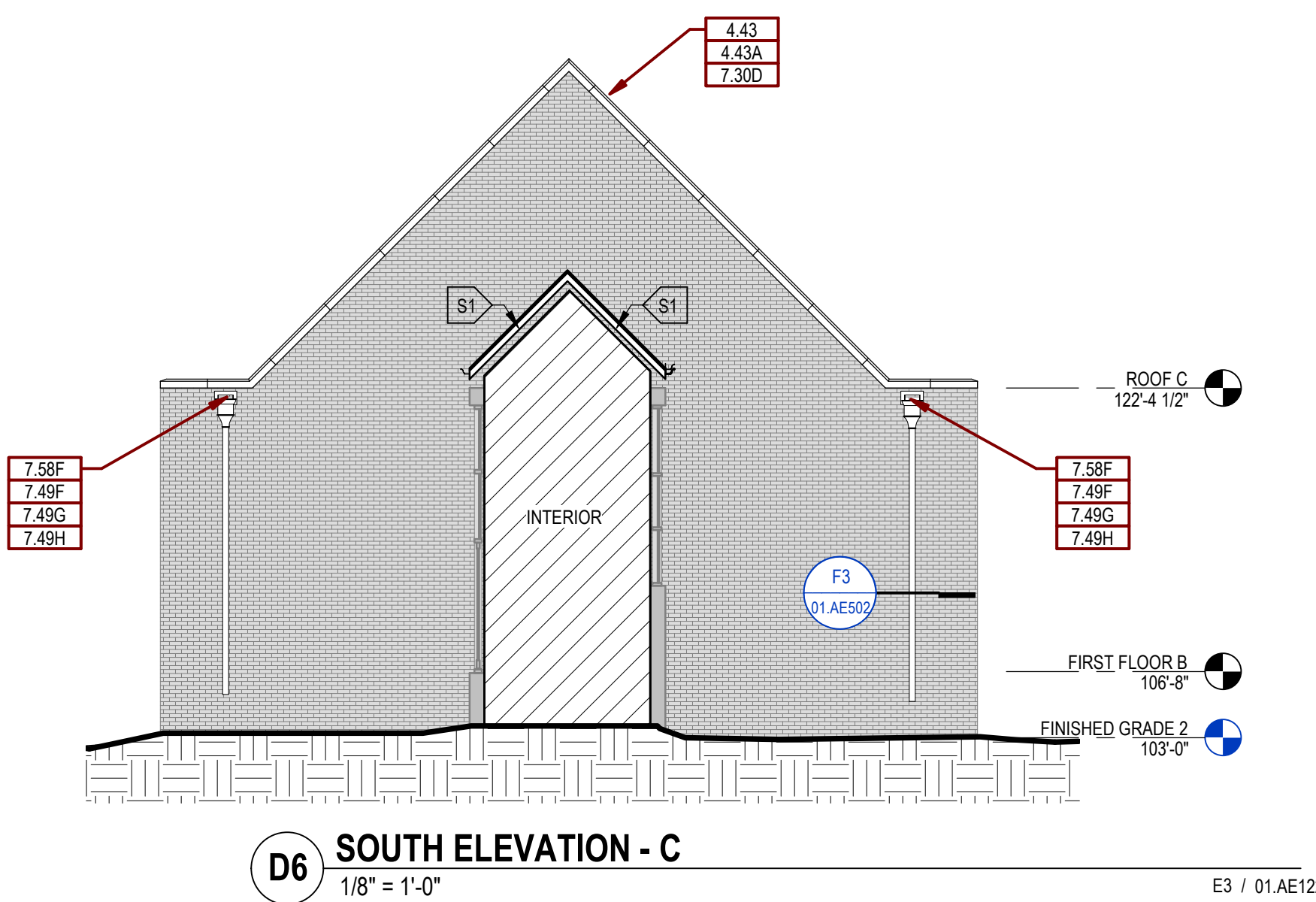
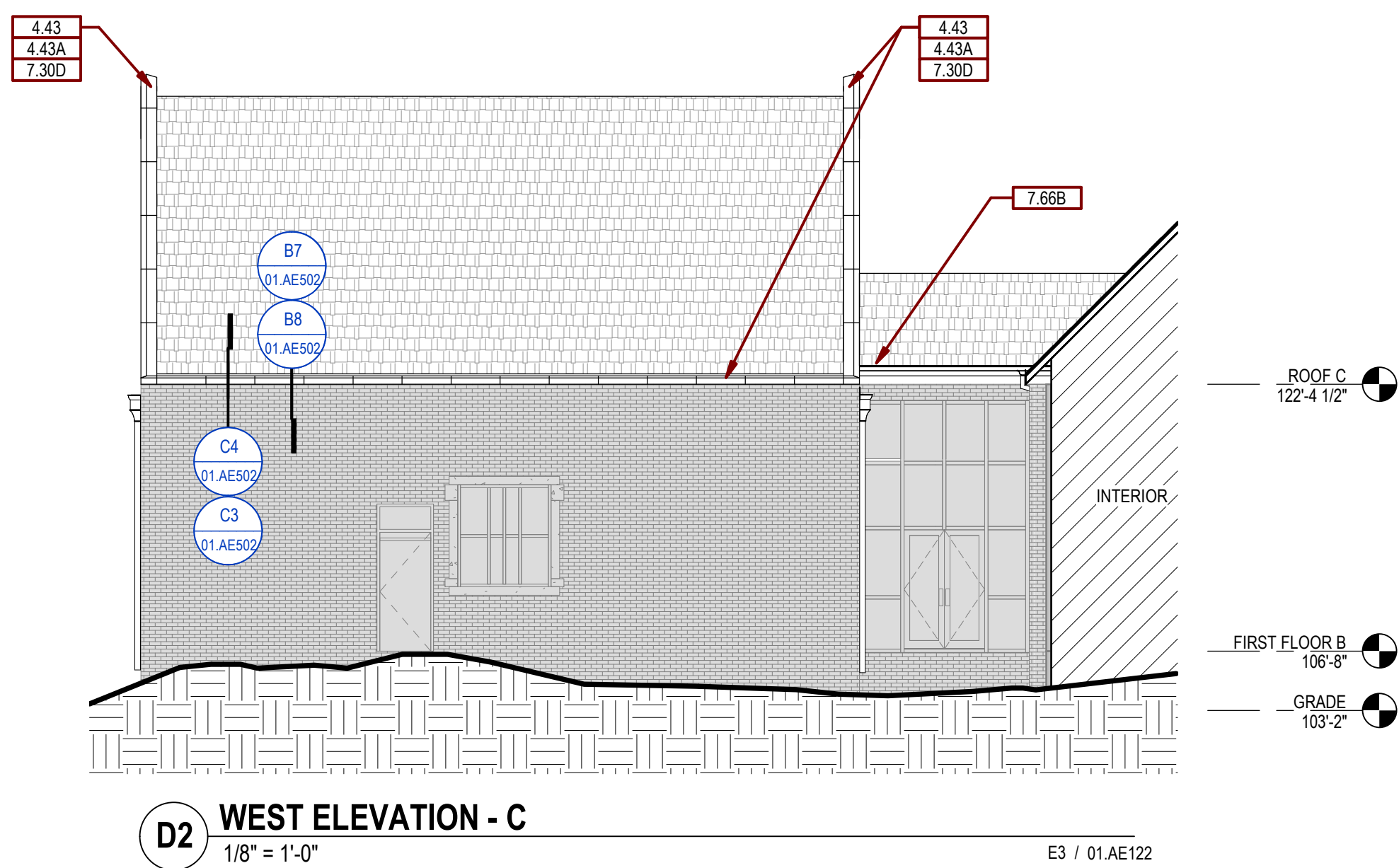
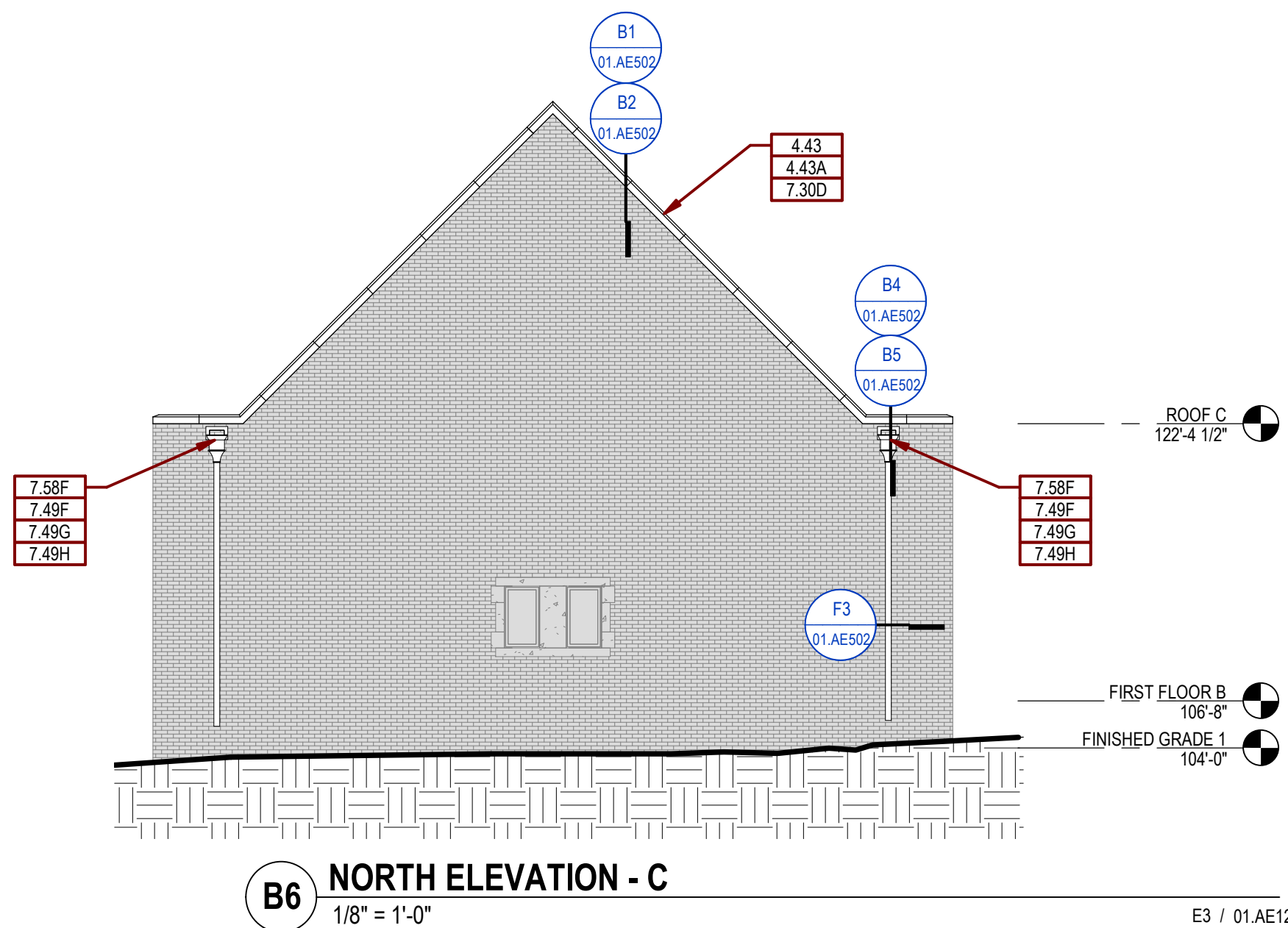
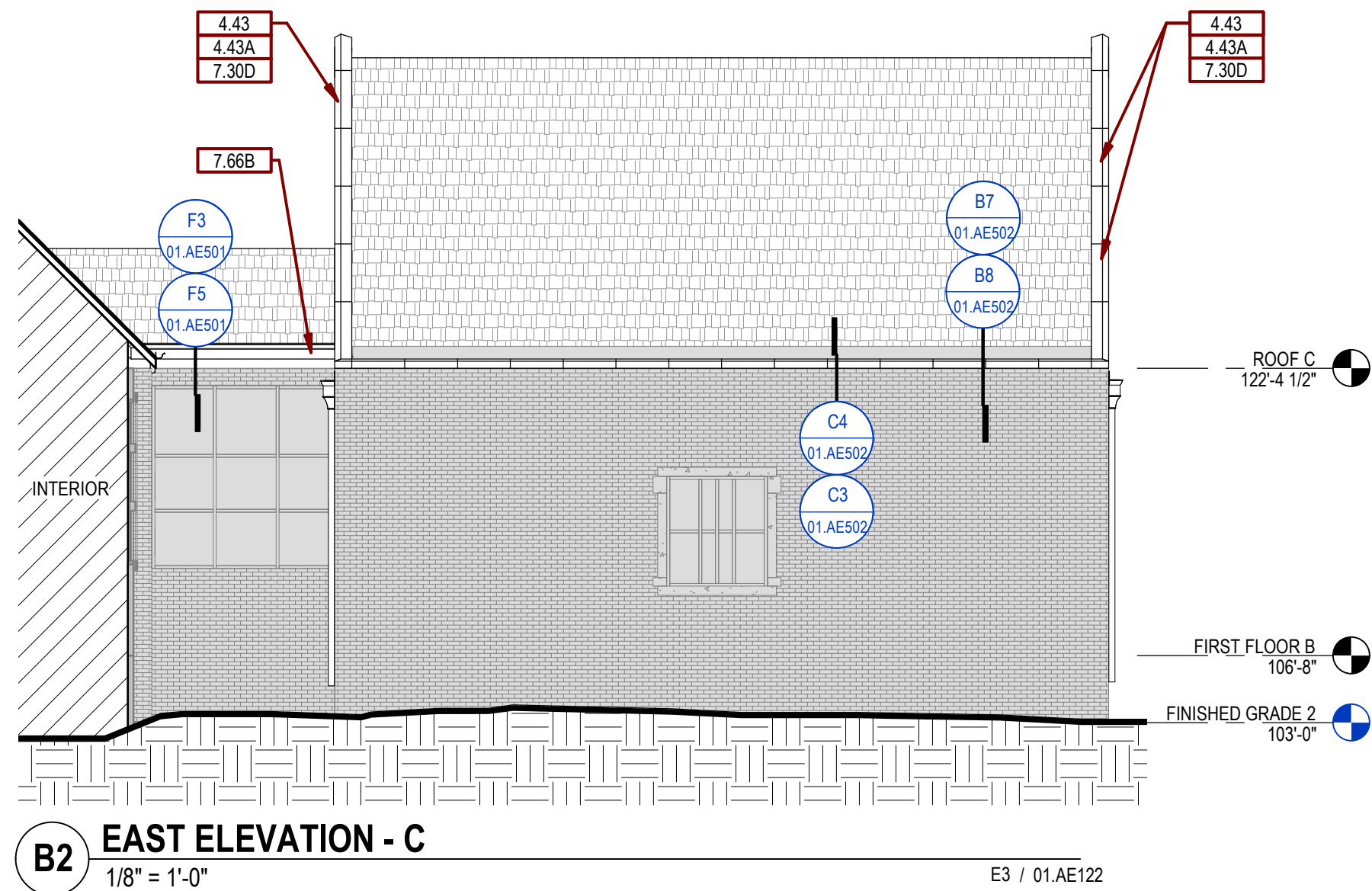


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot

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C:_SGA Rent Local\BUILDING 01_MichaelA.vnt
VA FORM 08 - 6231



KEYNOTES_SGA	
Key Value	Keynote Text
4.43	REMOVE EXISTING PRECAST CONC PARAPET CAP AND FLASHING. SALVAGE PRECAST CONC CAPS FOR REINSTALLATION.
4.43A	CLEAN SALVAGED PRECAST CONC PARAPET CAP AND INSTALL W/ NEW S.S. FLASHING (TYP U.N.O.)
7.30D	RAKE OUT PRECAST CONC CAP HEAD JOINTS AND INSTALL BACKER ROD AND SLIT.
7.49F	NEW COPPER THRU-WALL SCUPPER (20 OZ) IN EXISTING OPENING W/ 2 3/4" FACE FLANGE TO MATCH EXISTING.
7.49G	NEW PRE-FAB COPPER CONDUCTOR HEAD (CHURCHILL STYLE 1" X 9" X 20 1/2" - 20 OZ).
7.49H	NEW 3" X 4" RIBBED COPPER D.S. (20 OZ) - COPPER WALL BRACKETS @ 9'-0" O.C. MAX.
7.49I	NEW 3" X 4" RIBBED COPPER D.S. (20 OZ) - COPPER WALL BRACKETS @ 9'-0" O.C. MAX. TIE INTO EXISTING STORM PIPING.
7.58F	REMOVE EXISTING PREFINISHED MTL SCUPPER, CONDUCTOR HEAD AND DS.
7.66B	REMOVE AND REPLACE COPPER GUTTERS AND D.S. - INSTALL NEW SCREENS ON GUTTERS.
7.66C	REMOVE AND REPLACE COPPER GUTTERS, CONDUCTORS AND D.S. - INSTALL NEW SCREENS ON GUTTERS AND CONDUCTORS.

Revision#		Description	Date:

CONSULTANTS		
CIVIL:	STRUCTURAL:	MEP:
EHRHART GRIFFIN & ASSOCIATES 601 N Minnesota Ave Sioux Falls, SD 57104 Phone: 605-339-7215	ERA ERICKSEN ROED & ASSOCIATES 2550 University Ave W Suite 423-S St. Paul, MN 55402 Phone: 651-251-7570	DUNHAM Dunham Associates, Inc. 50 South Sixth St Suite 1100 Minneapolis, MN 55402 Phone: 612-465-7550

ARCHITECT OF RECORD	
STONE GROUP ARCHITECTS Stone Group Architects, Inc. 600 East 7th Street Sioux Falls, SD 57103 Phone: 605-271-1144	REGISTERED ARCHITECT REC. NO. 9771 TOMMY M. MOYAL SIoux FALLS, SD 9.15.23

Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title ARCHITECTURAL - ELEVATIONS - A,C Approved:
---	--

Phase CONSTRUCTION DOCUMENTS	Project Title SIOUX FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS	Project Number VA #438-22-600 SGA #221926
Location SIOUX FALLS, SOUTH DAKOTA	Issue Date 09-15-2023	Checked BH
Drawn MA	Drawing Number 01. AE203	

Scale bars and vertical markers on the left margin.

Vertical text on the left margin: C:_SGA Rent Local\BUILDING 01_MichaelA.vrt

1 2 3 4 5 6 7 8 9 10

GENERAL ELEVATION NOTES:

A.

ANY DISCREPANCIES OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK.

B.

WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS.

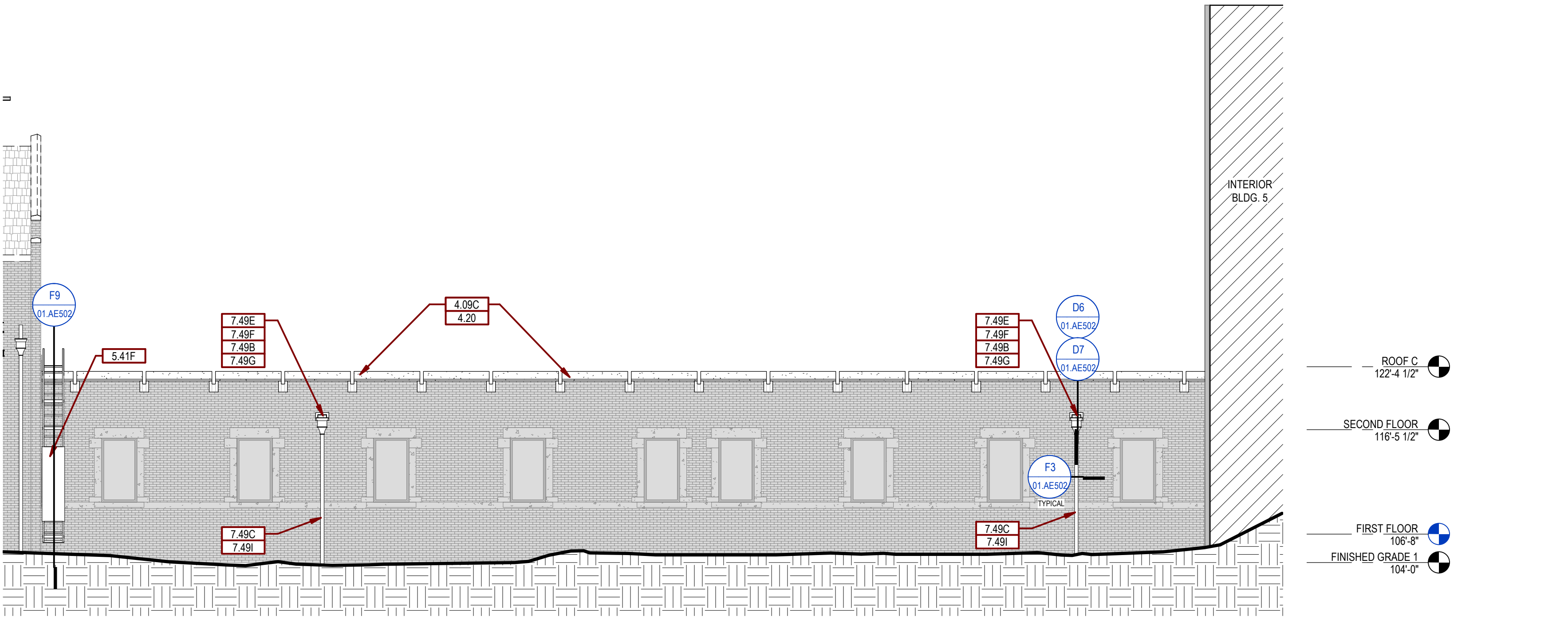
C.

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.

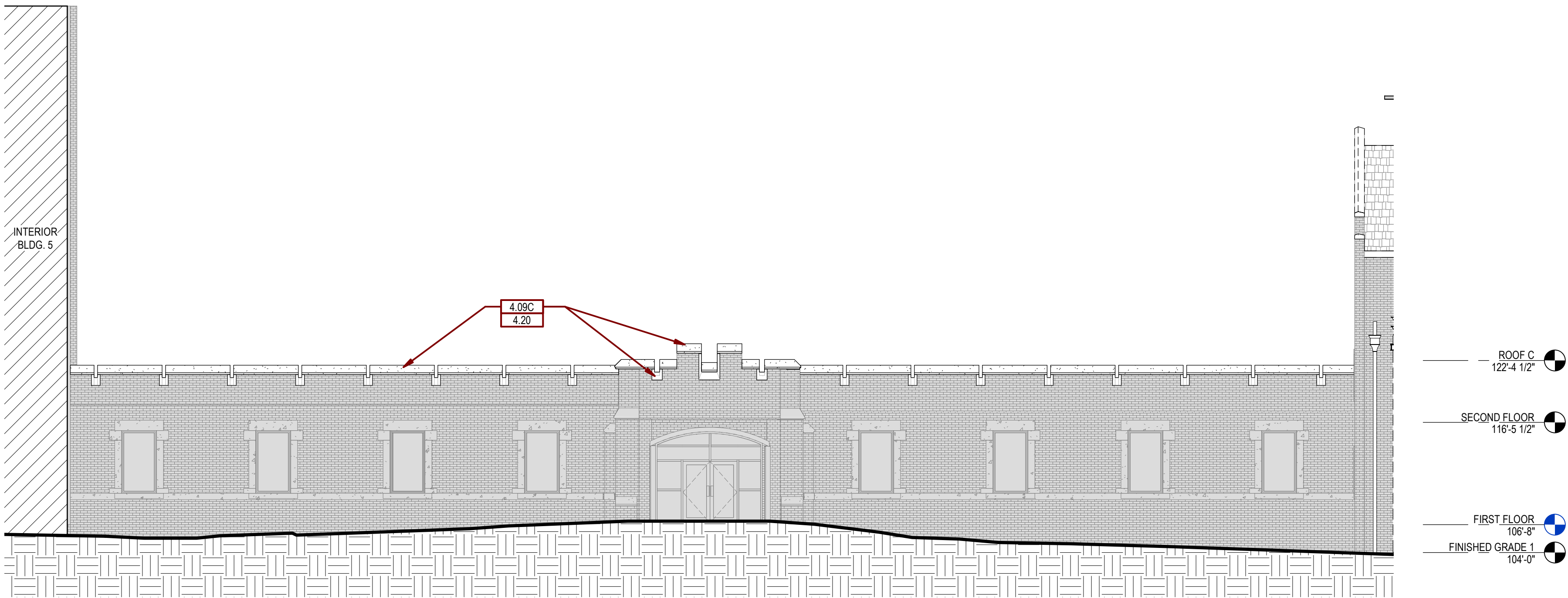
D.

ALL MATERIALS & EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.

KEYNOTES_SGA	
Key Value	Keynote Text
4.09C	CUT OUT EXISTING MORTAR AND SLNT JOINTS IN LIMESTONE CAPSTONES AND INSTALL NEW BACKER ROD AND SLNT.
4.20	CLEAN EXISTING LIMESTONE PARAPET CAPS AND TRIM.
5.41F	STL WALL MOUNTED LADDER W/ 6 FT. HINGED LADDER GUARD (GALV).
7.49B	REMOVE COPPER CONDUCTOR HEAD.
7.49C	REMOVE COPPER D.S.
7.49E	REMOVE COPPER THRU-WALL SCUPPER.
7.49F	NEW COPPER THRU-WALL SCUPPER (20 OZ) IN EXISTING OPENING W/ 2 3/4" FACE FLANGE TO MATCH EXISTING.
7.49G	NEW PRE-FAB COPPER CONDUCTOR HEAD (CHURCHILL STYLE 1" X 8" X 20 1/2" - 20 OZ).
7.49I	NEW 3" X 4" RIBBED COPPER D.S. (20 OZ) - COPPER WALL BRACKETS @ 8'-0" O.C. MAX. TIE INTO EXISTING STORM PIPING.



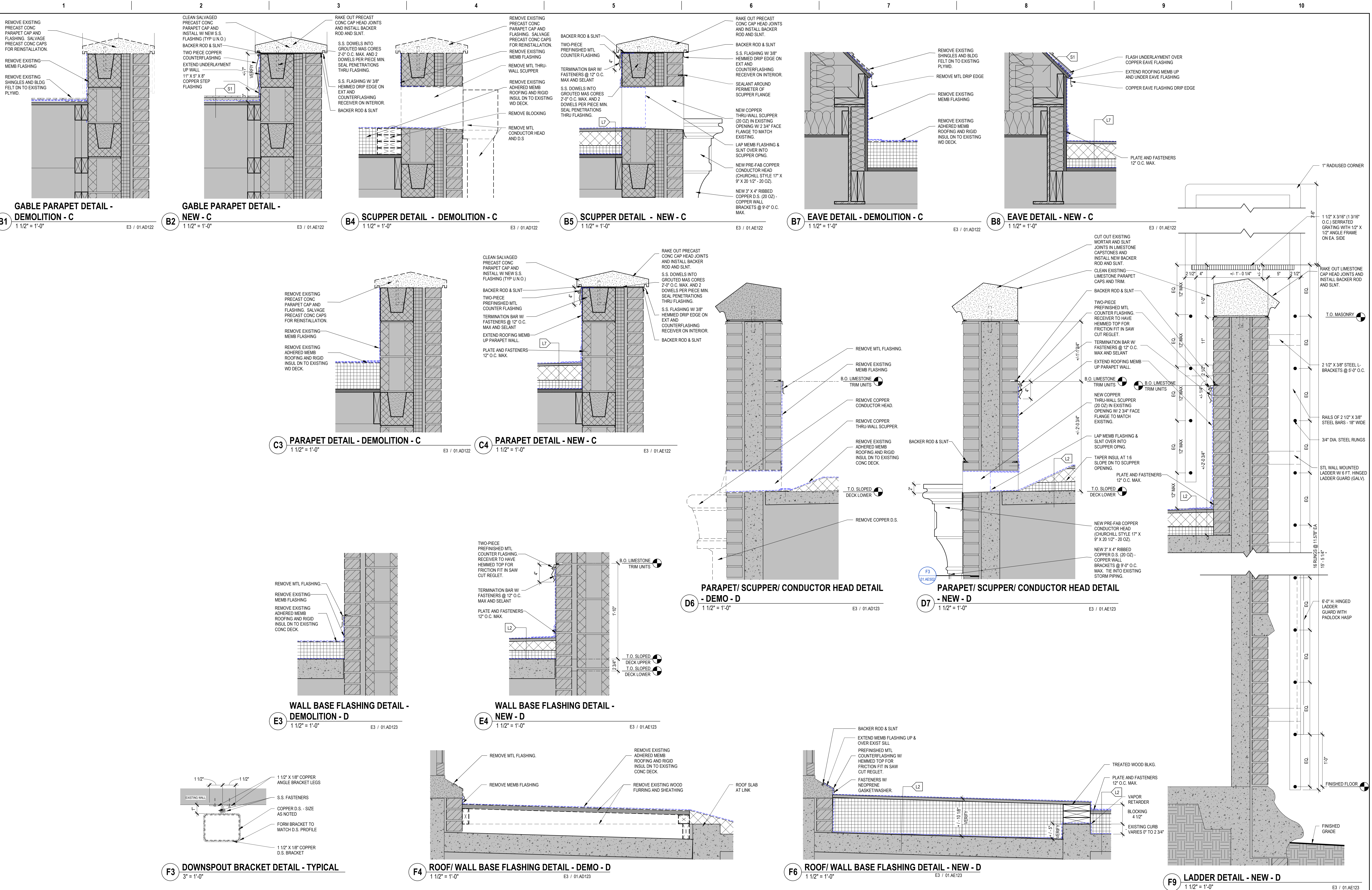
C3 SOUTHWEST ELEVATION - D
1/8" = 1'-0"



F3 NORTHEAST ELEVATION- D
1/8" = 1'-0"

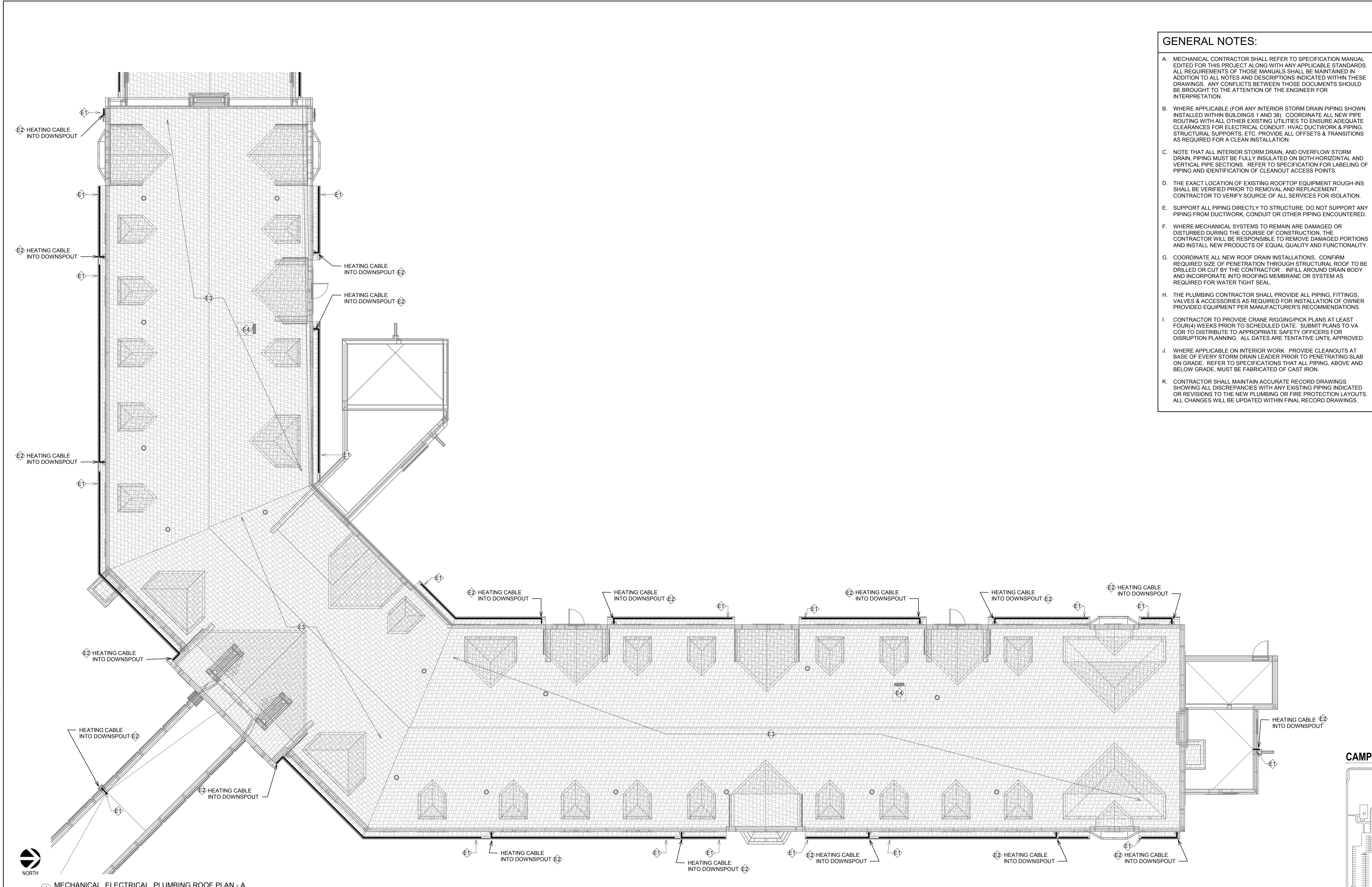
Revision# Description Date:			CONSULTANTS CIVIL: EHRHART GRIFFIN & ASSOCIATES Erickson Roed Associates 601 N Minnesota Ave Sioux Falls, SD 57104 Phone: 605-339-7215 STRUCTURAL: ERA ERICKSEN ROED & ASSOCIATES 2550 University Ave W Suite 423-S St. Paul, MN 55402 Phone: 651-251-7570 MEP: DUNHAM Dunham Associates, Inc. 50 South Sixth St Suite 1100 Minneapolis, MN 55402 Phone: 612-465-7550			ARCHITECT OF RECORD STONE GROUP ARCHITECTS Stone Group Architects, Inc. 600 East 7th Street Sioux Falls, SD 57103 Phone: 605-271-1144			STAMP REGISTERED ARCHITECT REC. NO. 9771 9-15-23			Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs			Drawing Title ARCHITECTURAL - ELEVATIONS - D Approved:			Phase CONSTRUCTION DOCUMENTS			Project Title SIoux FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS			Project Number VA #438-22-600 SGA #221926		
												Location SIoux FALLS, SOUTH DAKOTA			Drawing Number 01. AE205											
												Issue Date 09-15-2023			Checked BH			Drawn MA								

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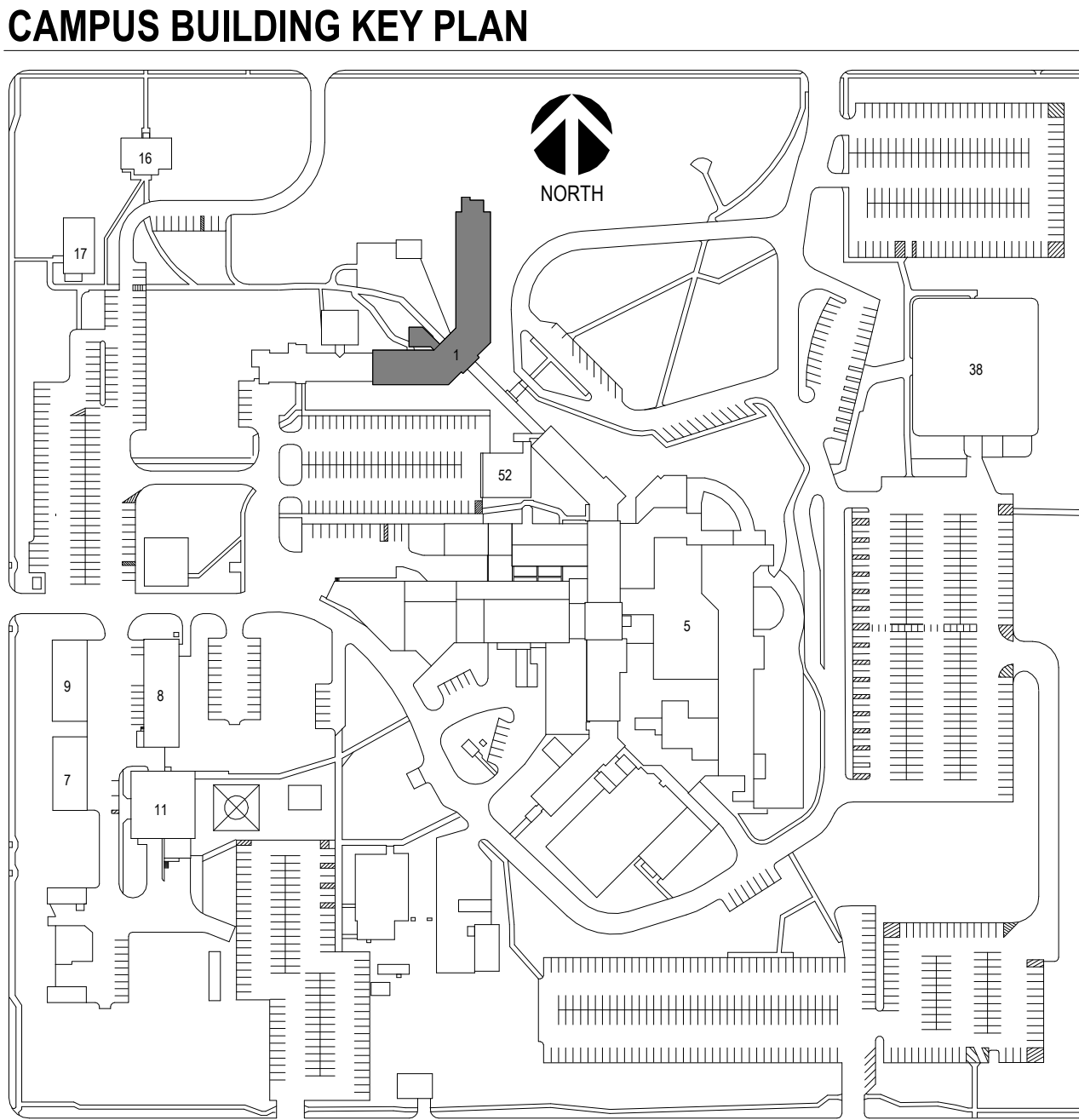
Revision# Description Date		CONSULTANTS		ARCHITECT OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number	
		CIVIL: EHRHART GRIFFIN & ASSOCIATES		STRUCTURAL: ERA ERICKSEN ROED		ARCHITECT: STONE GROUP ARCHITECTS		U.S. Department of Veterans Affairs		ARCHITECTURAL - DETAILS		CONSTRUCTION DOCUMENTS		SIOUX FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS		VA #438-22-600 SGA #221926	
		Ehrhart Griffin & Associates 601 N Minnesota Ave Sioux Falls, SD 57104 Phone: 605-339-7215		Ericksen Roed Associates 2500 University Ave W Suite 423-S Minneapolis, MN 55402 Phone: 612-251-7570		Dunham Associates, Inc. 50 South Sixth St Sioux Falls, SD 57103 Phone: 605-271-1144				Approved:				Location		Drawing Number	
														SIOUX FALLS, SOUTH DAKOTA		01. AE502	
														Issue Date		Checked	
														09-15-2023		BH	
																MA	

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- GENERAL NOTES:**
- A. MECHANICAL CONTRACTOR SHALL REFER TO SPECIFICATION MANUAL EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS. ALL REQUIREMENTS OF THOSE MANUALS SHALL BE MAINTAINED IN ADDITION TO ALL NOTES AND DESCRIPTIONS INDICATED WITHIN THESE DRAWINGS. ANY CONFLICTS BETWEEN THOSE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR INTERPRETATION.
 - B. WHERE APPLICABLE (FOR ANY INTERIOR STORM DRAIN PIPING SHOWN INSTALLED WITHIN BUILDINGS 1 AND 38). COORDINATE ALL NEW PIPE ROUTING WITH ALL OTHER EXISTING UTILITIES TO ENSURE ADEQUATE CLEARANCES FOR ELECTRICAL CONDUIT, HVAC DUCTWORK & PIPING, STRUCTURAL SUPPORTS, ETC. PROVIDE ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
 - C. NOTE THAT ALL INTERIOR STORM DRAIN, AND OVERFLOW STORM DRAIN, PIPING MUST BE FULLY INSULATED ON BOTH HORIZONTAL AND VERTICAL PIPE SECTIONS. REFER TO SPECIFICATION FOR LABELING OF PIPING AND IDENTIFICATION OF CLEANOUT ACCESS POINTS.
 - D. THE EXACT LOCATION OF EXISTING ROOFTOP EQUIPMENT ROUGH-INS SHALL BE VERIFIED PRIOR TO REMOVAL AND REPLACEMENT. CONTRACTOR TO VERIFY SOURCE OF ALL SERVICES FOR ISOLATION.
 - E. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT OR OTHER PIPING ENCOUNTERED.
 - F. WHERE MECHANICAL SYSTEMS TO REMAIN ARE DAMAGED OR DISTURBED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL QUALITY AND FUNCTIONALITY.
 - G. COORDINATE ALL NEW ROOF DRAIN INSTALLATIONS. CONFIRM REQUIRED SIZE OF PENETRATION THROUGH STRUCTURAL ROOF TO BE DRILLED OR CUT BY THE CONTRACTOR. INFILL AROUND DRAIN BODY AND INCORPORATE INTO ROOFING MEMBRANE OR SYSTEM AS REQUIRED FOR WATER TIGHT SEAL.
 - H. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, VALVES & ACCESSORIES AS REQUIRED FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
 - I. CONTRACTOR TO PROVIDE CRANE RIGGING/PICK PLANS AT LEAST FOUR(4) WEEKS PRIOR TO SCHEDULED DATE. SUBMIT PLANS TO VA COR TO DISTRIBUTE TO APPROPRIATE SAFETY OFFICERS FOR DISRUPTION PLANNING. ALL DATES ARE TENTATIVE UNTIL APPROVED.
 - J. WHERE APPLICABLE ON INTERIOR WORK. PROVIDE CLEANOUTS AT BASE OF EVERY STORM DRAIN LEADER PRIOR TO PENETRATING SLAB ON GRADE. REFER TO SPECIFICATIONS THAT ALL PIPING, ABOVE AND BELOW GRADE, MUST BE FABRICATED OF CAST IRON.
 - K. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING OR FIRE PROTECTION LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN FINAL RECORD DRAWINGS.

- KEY NOTES: PLUMBING NEW WORK**
- NO PLUMBING WORK ANTICIPATED FOR THIS DRAWING.
- KEY NOTES: MECHANICAL NEW WORK**
- NO MECHANICAL WORK ANTICIPATED FOR THIS DRAWING.
- KEY NOTES: ELECTRICAL NEW WORK**
- PROVIDE SELF-REGULATING HEATING CABLE WITH BRAID AND TEFLON STABILIZED POLYOLEFIN JACKET. CHROMALOX MODEL SRF-1RG7 OR EQUAL, WITHIN ALL HORIZONTAL GUTTERS AND VERTICAL DOWNSPOUTS. START CABLEING FROM POINT INDICATED THROUGH HORIZONTAL GUTTER, AND INCLUDE DOWNSPOUT HANGERS TO SUPPORT CABLE DROPS TO TERMINATE JUST ABOVE GRADE. CONTRACTOR TO VERIFY LENGTHS OF CABLE REQUIRED AND PROVIDE ALL POWER CONNECTION KITS FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR. PROVIDE GFCI BREAKER AS REQUIRED BY NEC AND SIZED PER MANUFACTURER MAXIMUM CIRCUIT LENGTHS REQUIREMENTS. PROVIDE DEDICATED CIRCUIT FROM NEAREST SOURCE.
 - ROUTE HEATING CABLE DOWN WITHIN VERTICAL DOWNSPOUT. SUPPORT AT TOP OF CABLE WITH DOWNSPOUT HANGER (RDK-1) AND TERMINATE ABOVE POINT OF DISCHARGE WITH END SEAL KIT (RSEK-1).
 - CONTRACTOR TO TEMPORARILY REMOVE LIGHTNING PROTECTION SYSTEM. PROTECT AIR TERMINALS, CONDUCTORS, AND FITTINGS FOR REINSTALLATION. REINSTALL LIGHTNING PROTECTION SYSTEM TO MATCH EXISTING CONDITIONS.
 - APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL LOCATED ON THIRD FLOOR. ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL CEILING REMOVAL, AND REPLACEMENT TO ROUTE CONDUIT WITHIN BUILDING TO EACH LOCATION INDICATED BY KEY NOTE #E1 ABOVE AND SEAL ROOF OR WALL PENETRATION AS REQUIRED. COORDINATE ACCESS TO BUILDING AREAS REQUIRED TO PERFORM WORK A MINIMUM OF 2 WEEKS IN ADVANCE AND COMPLY WITH ALL VA INFECTION CONTROL REQUIREMENTS.



1 MECHANICAL, ELECTRICAL, PLUMBING ROOF PLAN - A
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

CIVIL:
EHRHART GRIFFIN & ASSOCIATES
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601 N Minnesota Ave
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Stone Group Architects, Inc.
600 East 7th Street
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Phone: 605-271-1144

STAMP

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 14944
JASON R. GOTTLWALT
SOUTH DAKOTA

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
M/E/P ROOF PLAN - A

Approved:

Phase
CONSTRUCTION DOCUMENTS

FOR OFFICIAL USE ONLY

Project Title
SIoux FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS

Location
SIoux FALLS, SOUTH DAKOTA

Issue Date
09-15-2023

Checked
JRG

Drawn
JG,TM,BZ

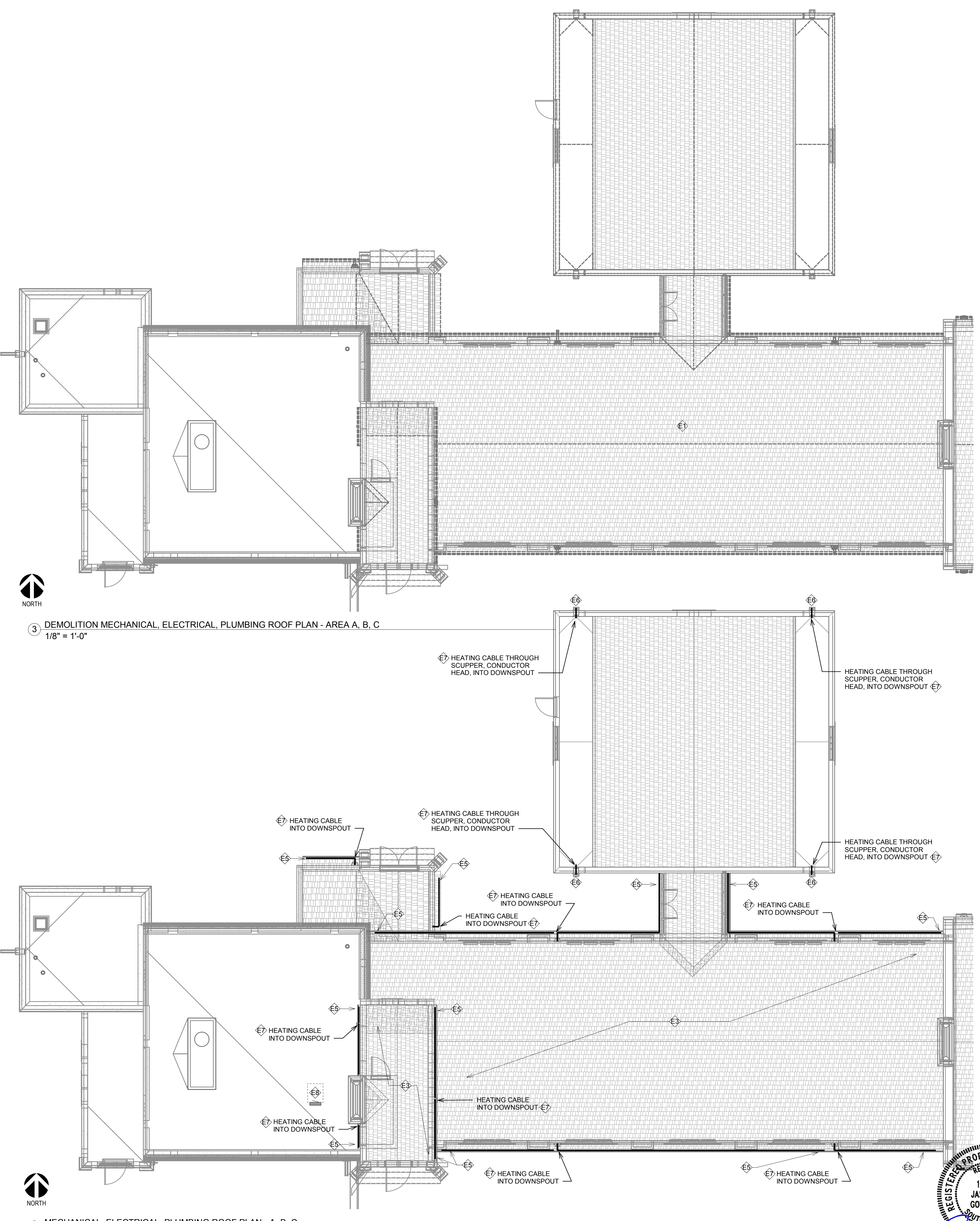
Project Number
VA #VA #438-22-600 SGA #221926

Building Number
01

Drawing Number
01.MEP121

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot

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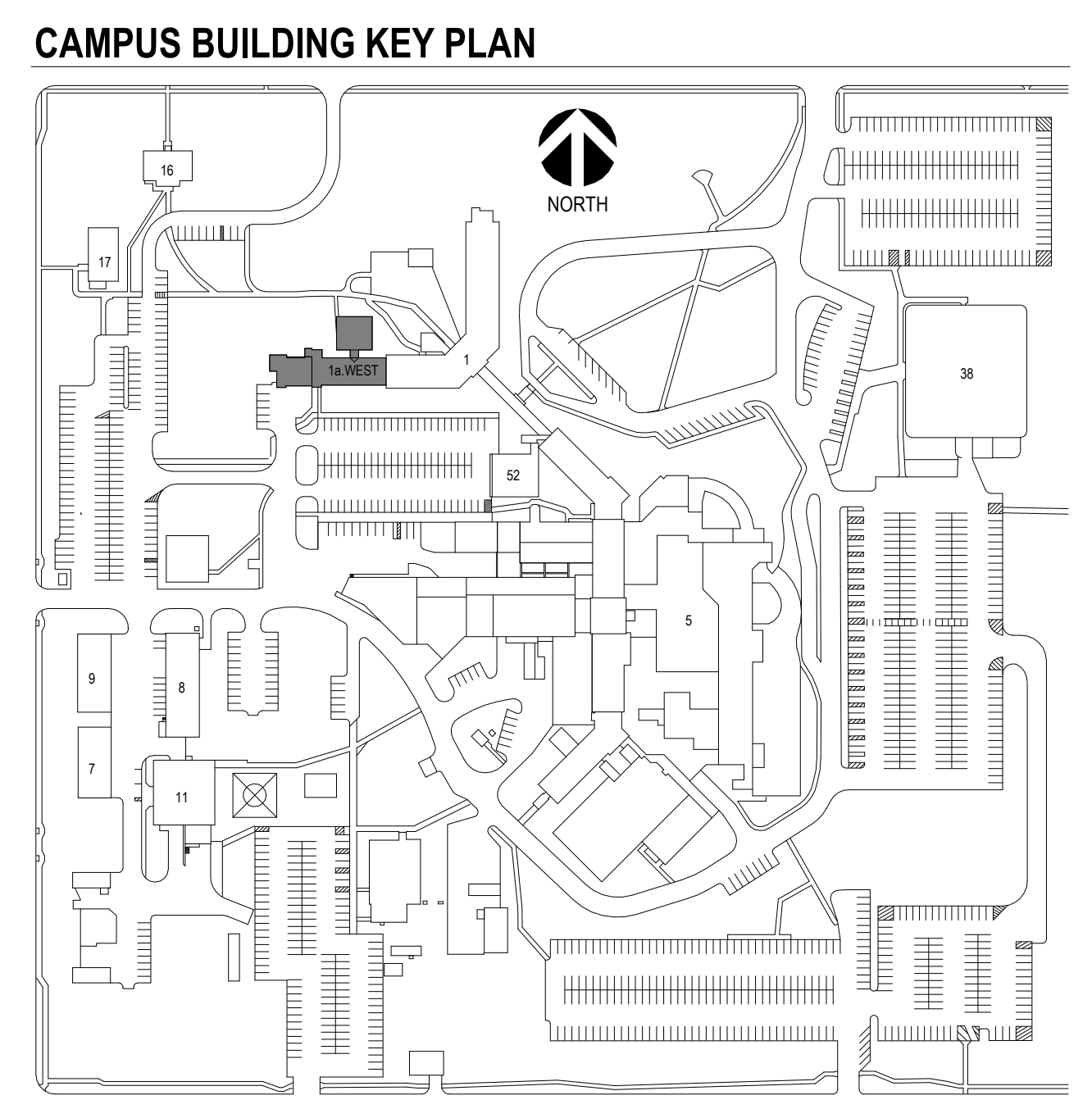


3 DEMOLITION MECHANICAL, ELECTRICAL, PLUMBING ROOF PLAN - AREA A, B, C
1/8" = 1'-0"

1 MECHANICAL, ELECTRICAL, PLUMBING ROOF PLAN - A, B, C
1/8" = 1'-0"

- GENERAL NOTES:**
- A. MECHANICAL CONTRACTOR SHALL REFER TO SPECIFICATION MANUAL EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS. ALL REQUIREMENTS OF THOSE MANUALS SHALL BE MAINTAINED IN ADDITION TO ALL NOTES AND DESCRIPTIONS INDICATED WITHIN THESE DRAWINGS. ANY CONFLICTS BETWEEN THOSE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR INTERPRETATION.
 - B. WHERE APPLICABLE (FOR ANY INTERIOR STORM DRAIN PIPING SHOWN INSTALLED WITHIN BUILDINGS S AND 38). COORDINATE ALL NEW PIPE ROUTING WITH ALL OTHER EXISTING UTILITIES TO ENSURE ADEQUATE CLEARANCES FOR ELECTRICAL CONDUIT, HVAC DUCTWORK & PIPING, STRUCTURAL SUPPORTS, ETC. PROVIDE ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
 - C. NOTE THAT ALL INTERIOR STORM DRAIN, AND OVERFLOW STORM DRAIN, PIPING MUST BE FULLY INSULATED ON BOTH HORIZONTAL AND VERTICAL PIPE SECTIONS. REFER TO SPECIFICATION FOR LABELING OF PIPING AND IDENTIFICATION OF CLEANOUT ACCESS POINTS.
 - D. THE EXACT LOCATION OF EXISTING ROOFTOP EQUIPMENT ROUGH-INS SHALL BE VERIFIED PRIOR TO REMOVAL AND REPLACEMENT. CONTRACTOR TO VERIFY SOURCE OF ALL SERVICES FOR ISOLATION.
 - E. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT OR OTHER PIPING ENCOUNTERED.
 - F. WHERE MECHANICAL SYSTEMS TO REMAIN ARE DAMAGED OR DISTURBED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL QUALITY AND FUNCTIONALITY.
 - G. COORDINATE ALL NEW ROOF DRAIN INSTALLATIONS. CONFIRM REQUIRED SIZE OF PENETRATION THROUGH STRUCTURAL ROOF TO BE DRILLED OR CUT BY THE CONTRACTOR. INFILL AROUND DRAIN BODY AND INCORPORATE INTO ROOFING MEMBRANE OR SYSTEM AS REQUIRED FOR WATER TIGHT SEAL.
 - H. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, VALVES & ACCESSORIES AS REQUIRED FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
 - I. CONTRACTOR TO PROVIDE CRANE RIGGING/PICK PLANS AT LEAST FOUR(4) WEEKS PRIOR TO SCHEDULED DATE. SUBMIT PLANS TO VA COR TO DISTRIBUTE TO APPROPRIATE SAFETY OFFICERS FOR DISRUPTION PLANNING. ALL DATES ARE TENTATIVE UNTIL APPROVED.
 - J. WHERE APPLICABLE ON INTERIOR WORK. PROVIDE CLEANOUTS AT BASE OF EVERY STORM DRAIN LEADER PRIOR TO PENETRATING SLAB ON GRADE. REFER TO SPECIFICATIONS THAT ALL PIPING, ABOVE AND BELOW GRADE, MUST BE FABRICATED OF CAST IRON.
 - K. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING OR FIRE PROTECTION LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN FINAL RECORD DRAWINGS.

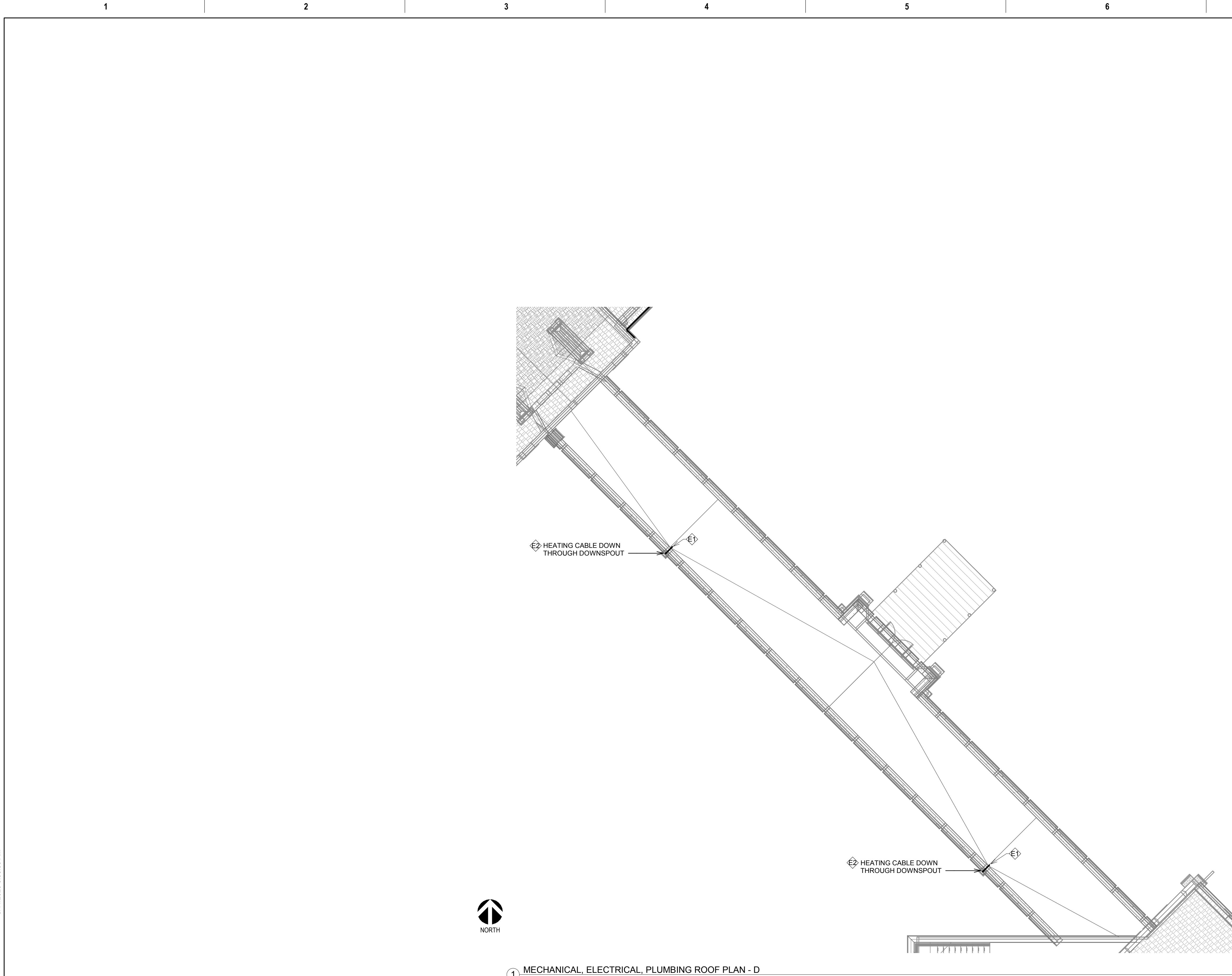
- KEY NOTES: PLUMBING NEW WORK**
- NOT USED
- KEY NOTES: MECHANICAL NEW WORK**
- NOT USED
- KEY NOTES: ELECTRICAL NEW WORK**
- E1 REMOVE LIGHTNING PROTECTION SYSTEM OFF ROOF, FOR NEW ROOF INSTALLATION. PROTECT EQUIPMENT FOR REINSTALLATION AFTER ROOF WORK IS COMPLETE. COORDINATE ELECTRICAL WORK WITH PHASING PLAN.
 - E2 DISCONNECT ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE WITH VA COR AND MECHANICAL CONTRACTOR IF TEMPORARY POWER IS REQUIRED.
 - E3 REINSTALL LIGHTNING PROTECTION SYSTEM AFTER ROOF WORK IS COMPLETE. COORDINATE ELECTRICAL WORK WITH PHASING PLAN.
 - E4 RECONNECT ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT. MODIFY EXISTING FEEDER AS REQUIRED.
 - E5 PROVIDE SELF-REGULATING HEATING CABLE WITH BRAID AND TEFLON STABILIZED POLYOLEFIN JACKET, CHROMALOX MODEL SRP-1RG1 OR EQUAL. WITHIN ALL HORIZONTAL GUTTERS AND VERTICAL DOWNSPOUTS. START CABLING FROM POINT INDICATED THROUGH HORIZONTAL GUTTER, AND INCLUDE DOWNSPOUT HANGERS TO SUPPORT CABLE DROPS TO TERMINATE JUST ABOVE GRADE. CONTRACTOR TO VERIFY LENGTHS OF CABLE REQUIRED AND PROVIDE ALL POWER CONNECTION KITS FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR. PROVIDE GFCI BREAKER AS REQUIRED BY NEC AND SIZED PER MANUFACTURER MAXIMUM CIRCUIT LENGTHS REQUIREMENTS. PROVIDE DEDICATED CIRCUIT FROM NEAREST SOURCE.
 - E6 SAME AS KEY NOTE #E5 ABOVE, EXCEPT ONLY NEED TO HEAT TRACE VERTICAL DOWNSPOUT THROUGH SCUPPER AT THIS LOCATION.
 - E7 ROUTE HEATING CABLE DOWN WITHIN VERTICAL DOWNSPOUT. SUPPORT AT TOP OF CABLE WITH DOWNSPOUT HANGER (RDK-1) AND TERMINATE ABOVE POINT OF DISCHARGE WITH END SEAL KIT (RG-EK-1).
 - E8 APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL LOCATED ON FOURTH FLOOR. ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL CEILING REMOVAL AND REPLACEMENT TO ROUTE CONDUIT WITHIN BUILDING TO EACH LOCATION INDICATED BY KEY NOTE #E5 ABOVE AND SEAL ROOF OR WALL PENETRATION AS REQUIRED. COORDINATE ACCESS TO BUILDING AREAS REQUIRED TO PERFORM WORK A MINIMUM OF 2 WEEKS IN ADVANCE AND COMPLY WITH ALL VA INFECTION CONTROL REQUIREMENTS.



Revision# Description Date:		CONSULTANTS CIVIL: EHRHART GRIFFIN & ASSOCIATES 601 N Minnesota Ave Sioux Falls, SD 57104 Phone: 605-339-7215 STRUCTURAL: ERA ERICKSEN ROED & ASSOCIATES 2550 University Ave W Suite 423-S St. Paul, MN 55402 Phone: 651-251-7570 MEP: DUNHAM Dunham Associates, Inc. 50 South Sixth St Suite 1100 Sioux Falls, SD 57103 Phone: 612-465-7550		ARCHITECT OF RECORD STONE GROUP ARCHITECTS Stone Group Architects, Inc. 600 East 7th Street Sioux Falls, SD 57103 Phone: 605-271-1144		STAMP REGISTERED PROFESSIONAL ENGINEER REG. NO. 14944 JASON R. GOTTWALT SOUTH DAKOTA		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title M/E/P ROOF PLAN - A, B, C Approved:		Phase CONSTRUCTION DOCUMENTS FOR OFFICIAL USE ONLY		Project Title SIOUX FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS Location SIOUX FALLS, SOUTH DAKOTA Issue Date 09-15-2023 Checked JRG Drawn JG,TM,BZ		Project Number VA #VA #438-22-600 SGA #221926 Building Number 01 Drawing Number 01.MEP122	
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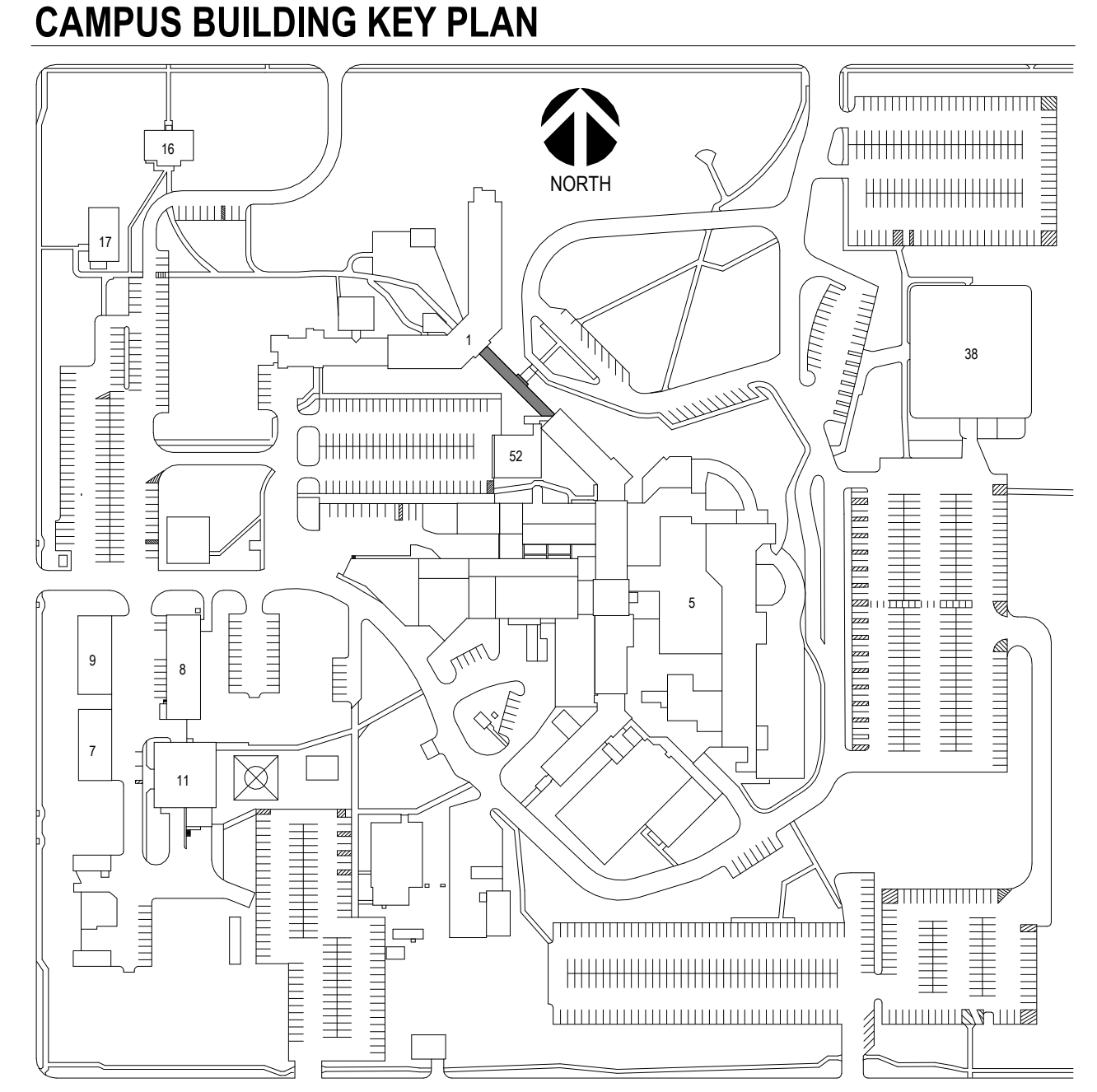
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1 MECHANICAL, ELECTRICAL, PLUMBING ROOF PLAN - D
1/8" = 1'-0"

- GENERAL NOTES:**
- A. MECHANICAL CONTRACTOR SHALL REFER TO SPECIFICATION MANUAL EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS. ALL REQUIREMENTS OF THOSE MANUALS SHALL BE MAINTAINED IN ADDITION TO ALL NOTES AND DESCRIPTIONS INDICATED WITHIN THESE DRAWINGS. ANY CONFLICTS BETWEEN THOSE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR INTERPRETATION.
 - B. WHERE APPLICABLE (FOR ANY INTERIOR STORM DRAIN PIPING SHOWN INSTALLED WITHIN BUILDINGS 1 AND 38). COORDINATE ALL NEW PIPE ROUTING WITH ALL OTHER EXISTING UTILITIES TO ENSURE ADEQUATE CLEARANCES FOR ELECTRICAL CONDUIT, HVAC DUCTWORK & PIPING, STRUCTURAL SUPPORTS, ETC. PROVIDE ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
 - C. NOTE THAT ALL INTERIOR STORM DRAIN, AND OVERFLOW STORM DRAIN, PIPING MUST BE FULLY INSULATED ON BOTH HORIZONTAL AND VERTICAL PIPE SECTIONS. REFER TO SPECIFICATION FOR LABELING OF PIPING AND IDENTIFICATION OF CLEANOUT ACCESS POINTS.
 - D. THE EXACT LOCATION OF EXISTING ROOFTOP EQUIPMENT ROUGH-INS SHALL BE VERIFIED PRIOR TO REMOVAL AND REPLACEMENT. CONTRACTOR TO VERIFY SOURCE OF ALL SERVICES FOR ISOLATION.
 - E. SUPPORT ALL PIPING DIRECTLY TO STRUCTURE. DO NOT SUPPORT ANY PIPING FROM DUCTWORK, CONDUIT OR OTHER PIPING ENCOUNTERED.
 - F. WHERE MECHANICAL SYSTEMS TO REMAIN ARE DAMAGED OR DISTURBED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL QUALITY AND FUNCTIONALITY.
 - G. COORDINATE ALL NEW ROOF DRAIN INSTALLATIONS. CONFIRM REQUIRED SIZE OF PENETRATION THROUGH STRUCTURAL ROOF TO BE DRILLED OR CUT BY THE CONTRACTOR. INFILL AROUND DRAIN BODY AND INCORPORATE INTO ROOFING MEMBRANE OR SYSTEM AS REQUIRED FOR WATER TIGHT SEAL.
 - H. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL PIPING, FITTINGS, VALVES & ACCESSORIES AS REQUIRED FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
 - I. CONTRACTOR TO PROVIDE CRANE RIGGING/PICK PLANS AT LEAST FOUR(4) WEEKS PRIOR TO SCHEDULED DATE. SUBMIT PLANS TO VA COR TO DISTRIBUTE TO APPROPRIATE SAFETY OFFICERS FOR DISRUPTION PLANNING. ALL DATES ARE TENTATIVE UNTIL APPROVED.
 - J. WHERE APPLICABLE ON INTERIOR WORK. PROVIDE CLEANOUTS AT BASE OF EVERY STORM DRAIN LEADER PRIOR TO PENETRATING SLAB ON GRADE. REFER TO SPECIFICATIONS THAT ALL PIPING, ABOVE AND BELOW GRADE, MUST BE FABRICATED OF CAST IRON.
 - K. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING OR FIRE PROTECTION LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN FINAL RECORD DRAWINGS.

- KEY NOTES: PLUMBING NEW WORK**
- NO PLUMBING WORK ANTICIPATED FOR THIS DRAWING.
- KEY NOTES: MECHANICAL NEW WORK**
- NO MECHANICAL WORK ANTICIPATED FOR THIS DRAWING.
- KEY NOTES: ELECTRICAL NEW WORK**
- E1 PROVIDE SELF-REGULATING HEATING CABLE WITH BRAID AND TEFLON STABILIZED POLYOLEFIN JACKET, CHROMALOX MODEL SRF-1RGT OR EQUAL, WITHIN ALL SCUPPERS, CONDUCTOR HEADS, AND VERTICAL DOWNSPOUTS. START CABLING FROM POINT INDICATED THROUGH SCUPPERS, CONDUCTOR HEADS, AND INCLUDE DOWNSPOUT HANGERS TO SUPPORT CABLE DROPS TO TERMINATE JUST ABOVE GRADE. CONTRACTOR TO VERIFY LENGTHS OF CABLE REQUIRED AND PROVIDE ALL POWER CONNECTION KITS FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR. PROVIDE GFCI BREAKER AS REQUIRED BY NEC AND SIZED PER MANUFACTURER MAXIMUM CIRCUIT LENGTHS REQUIREMENTS. PROVIDE DEDICATED CIRCUIT FROM NEAREST SOURCE. REFER TO DRAWING 01.MEP121.
 - E2 ROUTE HEATING CABLE DOWN WITHIN VERTICAL DOWNSPOUT. SUPPORT AT TOP OF CABLE WITH DOWNSPOUT HANGER (RDK-1) AND TERMINATE ABOVE POINT OF DISCHARGE WITH END SEAL KIT (RG-EK-1).



Revision#	Description	Date:

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REGISTERED PROFESSIONAL ENGINEER
REG. NO. 14944
JASON R. GOTTWALT
SOUTH DAKOTA

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
M/E/P ROOF PLAN - D

Approved:

Phase
CONSTRUCTION DOCUMENTS

FOR OFFICIAL USE ONLY

Project Title
SIOUX FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS

Location
SIOUX FALLS, SOUTH DAKOTA

Issue Date
09-15-2023

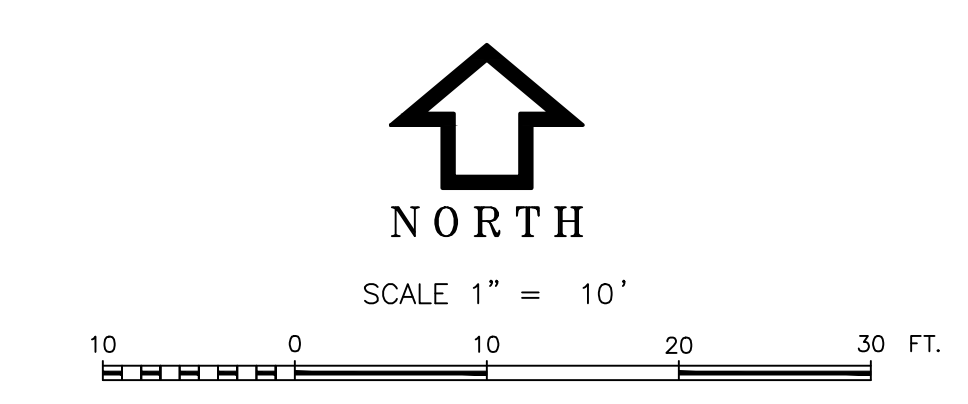
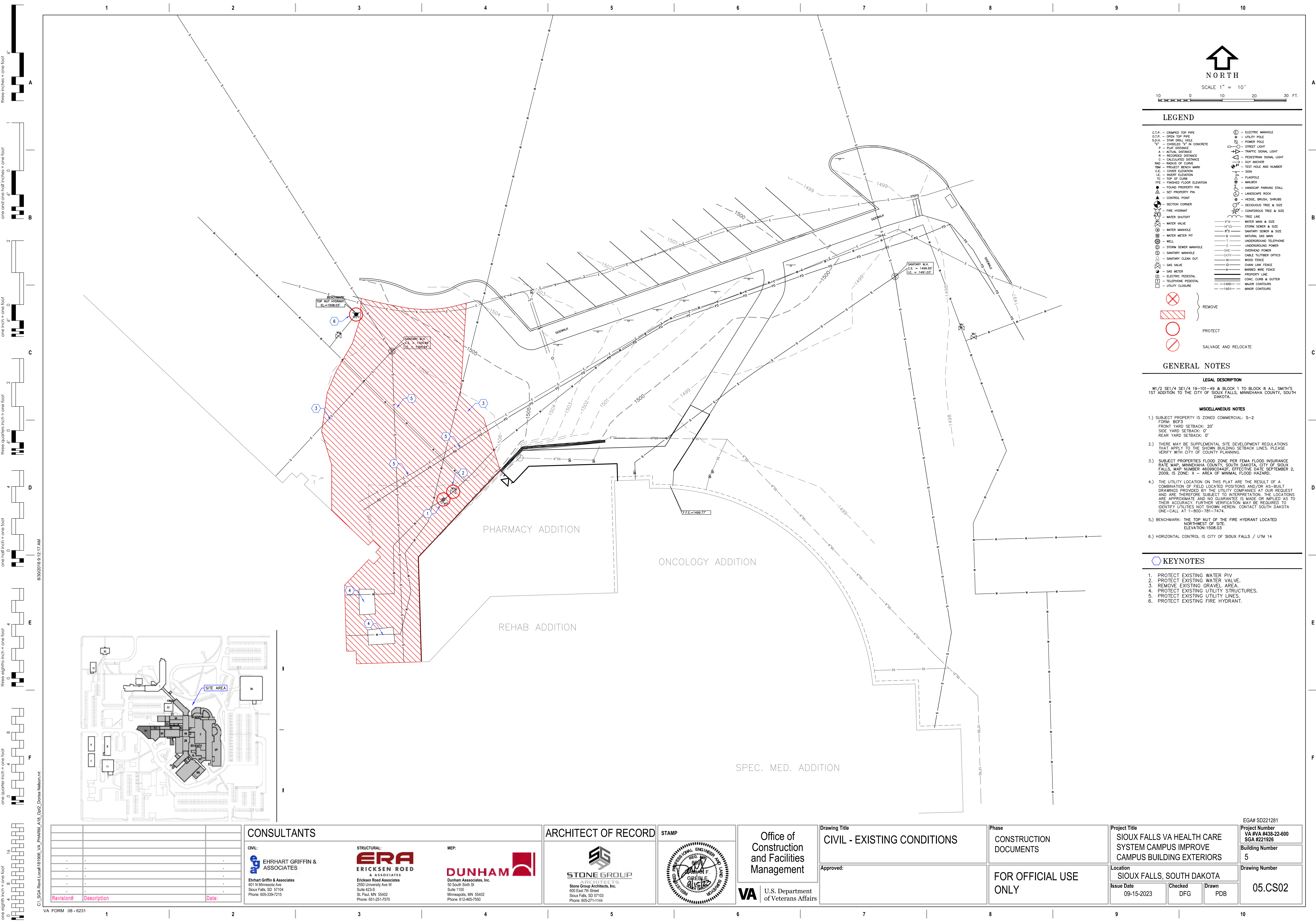
Checked
JRG

Drawn
JG,TM,BZ

Project Number
VA #VA #438-22-600
SGA #221926

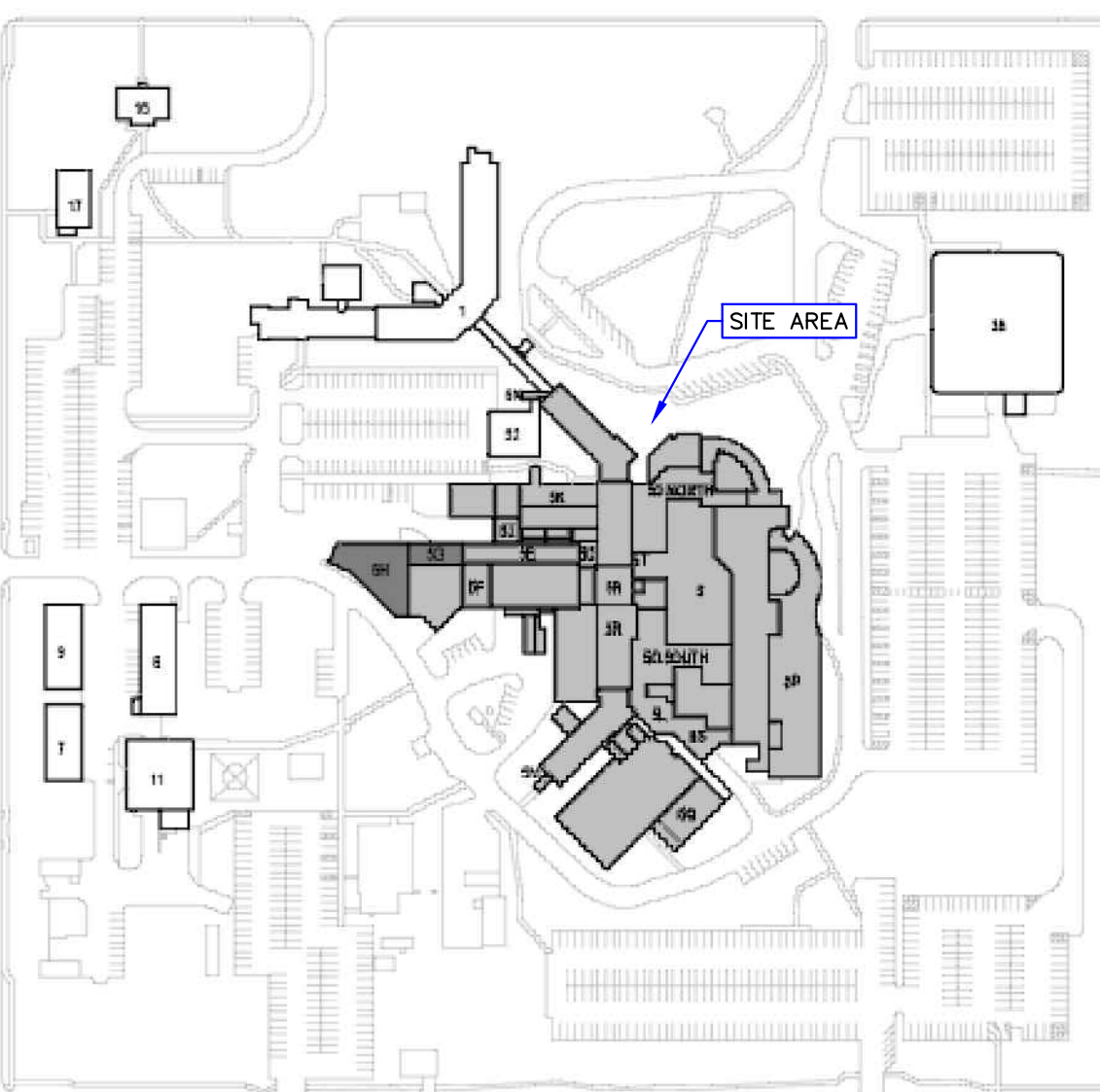
Building Number
01

Drawing Number
01.MEP123

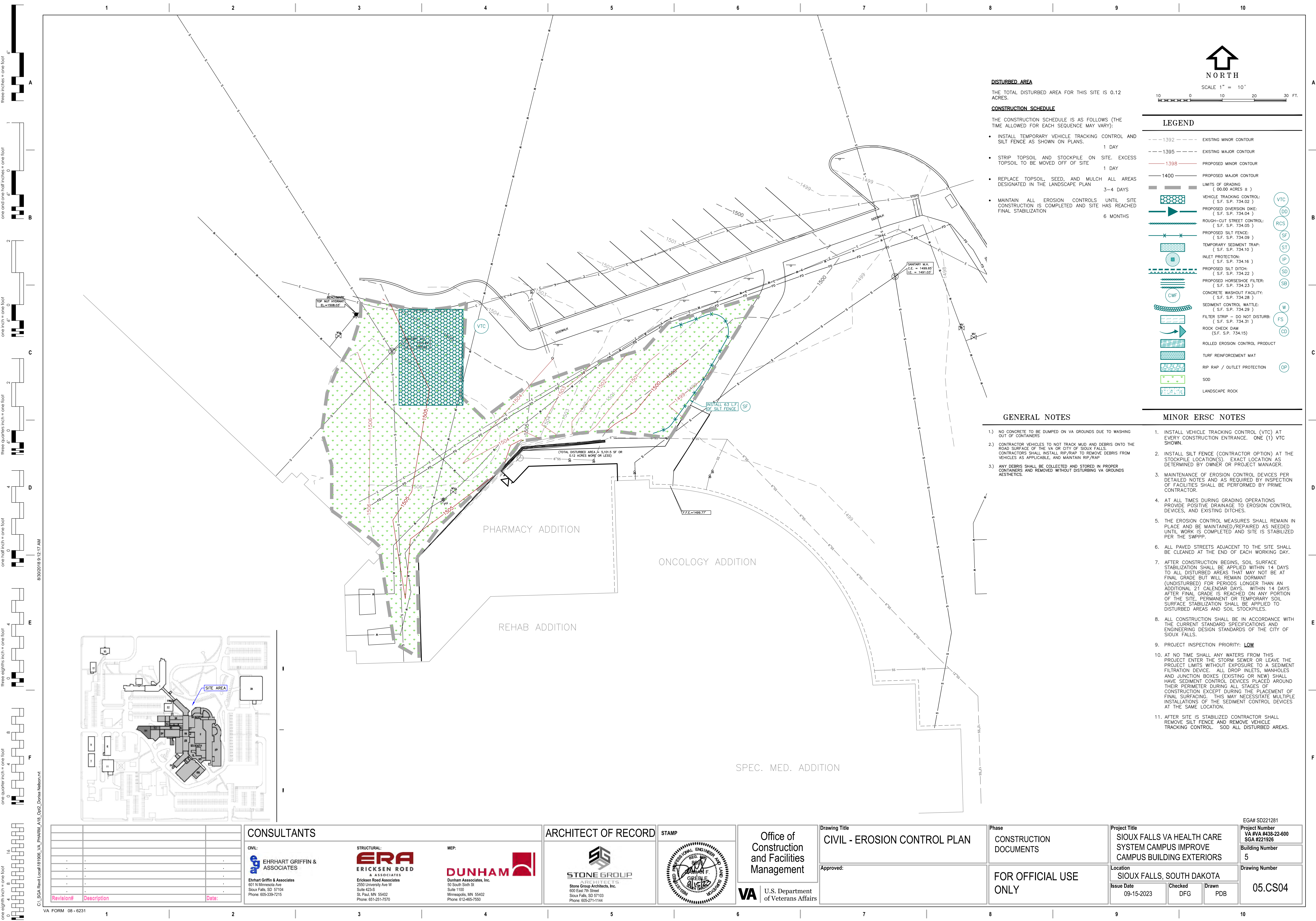


LEGEND	
C.T.P. - CHANGED TOP PIPE	⊙ - ELECTRIC MANHOLE
O.T.P. - OPEN TOP PIPE	⊙ - UTILITY POLE
S.E.H. - STAIN DRILL HOLE	⊙ - POWER POLE
"C" - CHISELED "V" IN CONCRETE	⊙ - STREET LIGHT
P - PLAT DISTANCE	⊙ - TRAFFIC SIGNAL LIGHT
A - ACTUAL DISTANCE	⊙ - PEDESTRIAN SIGNAL LIGHT
R - RECORDED DISTANCE	⊙ - GUT ANCHOR
C - CALCULATED DISTANCE	⊙ - TEST HOLE AND NUMBER
RD - RADIUS OF CURVE	⊙ - FLAGPOLE
TBM - PROJECT BENCH MARK	⊙ - SIGN
C.E. - COVER ELEVATION	⊙ - MAILOX
I.E. - INSERT ELEVATION	⊙ - HANDICAP PARKING STALL
T.C. - TOP OF CURB	⊙ - LANDSCAPE ROCK
F.F.E. - FINISHED FLOOR ELEVATION	⊙ - HEDGE, BUSH, SHRUBS
● - FOUND PROPERTY PIN	⊙ - DECIDUOUS TREE & SIZE
▲ - CONTROL POINT	⊙ - CONIFEROUS TREE & SIZE
⊙ - SECTION CORNER	⊙ - TREE LINE
⊙ - FIRE HYDRANT	⊙ - WATER MAIN & SIZE
⊙ - WATER SHUTOFF	⊙ - STORM SEWER & SIZE
⊙ - WATER VALVE	⊙ - SANITARY SEWER & SIZE
⊙ - WATER MANHOLE	⊙ - NATURAL GAS MAIN
⊙ - WATER METER PIT	⊙ - UNDERGROUND TELEPHONE
⊙ - WELL	⊙ - UNDERGROUND POWER
⊙ - STORM SEWER MANHOLE	⊙ - OVERHEAD POWER
⊙ - SANITARY MANHOLE	⊙ - CABLE TV/FIBER OPTICS
⊙ - SANITARY CLEAN OUT	⊙ - WOOD FENCE
⊙ - GAS VALVE	⊙ - CHAIN LINK FENCE
⊙ - GAS METER	⊙ - BARBED WIRE FENCE
⊙ - ELECTRIC PEDESTAL	⊙ - PROPERTY LINE
⊙ - TELEPHONE PEDESTAL	⊙ - CONC. CURB & BUTTER
⊙ - UTILITY CLOSURE	⊙ - MAJOR CONTOURS
	⊙ - MINOR CONTOURS
⊙ - REMOVE	
⊙ - PROTECT	
⊙ - SALVAGE AND RELOCATE	

- GENERAL NOTES**
- LEGAL DESCRIPTION**
- W1/2 SE1/4 SE1/4 19-101-49 & BLOCK 1 TO BLOCK 8 A.L. SMITH'S 1ST ADDITION TO THE CITY OF SIOUX FALLS, MINNEHAHA COUNTY, SOUTH DAKOTA.
- MISCELLANEOUS NOTES**
- SUBJECT PROPERTY IS ZONED COMMERCIAL: S-2
FORM: BCF3
FRONT YARD SETBACK: 20'
SIDE YARD SETBACK: 0'
REAR YARD SETBACK: 0'
 - THERE MAY BE SUPPLEMENTAL SITE DEVELOPMENT REGULATIONS THAT APPLY TO THE SHOWN BUILDING SETBACK LINES. PLEASE VERIFY WITH CITY OF COUNTY PLANNING.
 - SUBJECT PROPERTIES FLOOD ZONE PER FEMA FLOOD INSURANCE RATE MAP, MINNEHAHA COUNTY, SOUTH DAKOTA, CITY OF SIOUX FALLS, MAP NUMBER 460990442P, EFFECTIVE DATE SEPTEMBER 2, 2009, IS ZONE: X - AREA OF MINIMAL FLOOD HAZARD.
 - THE UTILITY LOCATION ON THIS PLAT ARE THE RESULT OF A COMBINATION OF FIELD LOCATED POSITIONS AND/OR AS-BUILT DRAWINGS PROVIDED BY THE UTILITY COMPANIES AT OUR REQUEST AND ARE THEREFORE SUBJECT TO INTERPRETATION. THE LOCATIONS ARE APPROXIMATE AND NO GUARANTEE IS MADE OR IMPLIED AS TO THEIR ACCURACY. FURTHER VERIFICATION MAY BE REQUIRED TO IDENTIFY UTILITIES NOT SHOWN HEREIN. CONTACT SOUTH DAKOTA ONE-CALL AT 1-800-781-7474.
 - BENCHMARK: THE TOP NUT OF THE FIRE HYDRANT LOCATED NORTHWEST OF SITE
ELEVATION: 1508.03
 - HORIZONTAL CONTROL IS CITY OF SIOUX FALLS / UTM 14
- KEYNOTES**
- PROTECT EXISTING WATER PIV
 - PROTECT EXISTING WATER VALVE
 - REMOVE EXISTING GRAVEL AREA
 - PROTECT EXISTING UTILITY STRUCTURES
 - PROTECT EXISTING UTILITY LINES
 - PROTECT EXISTING FIRE HYDRANT



CONSULTANTS		ARCHITECT OF RECORD		Office of Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number	
CIVIL: EHRHART GRIFFIN & ASSOCIATES		STRUCTURAL: ERA ERICKSEN ROED & ASSOCIATES		MEP: DUNHAM		Stone Group Architects, Inc.		CIVIL - EXISTING CONDITIONS		CONSTRUCTION DOCUMENTS		SIoux FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS	
Ehrhart Griffin & Associates 601 N Minnesota Ave Sioux Falls, SD 57104 Phone: 605-339-7215		Ericksen Roed Associates 2550 University Ave W Suite 425-S St. Paul, MN 55402 Phone: 651-251-7570		Dunham Associates, Inc. 600 East 7th Street Sioux Falls, SD 57103 Phone: 612-465-7550		Stone Group Architects, Inc. 600 East 7th Street Sioux Falls, SD 57103 Phone: 605-271-1144		Approved:		FOR OFFICIAL USE ONLY		Location SIoux FALLS, SOUTH DAKOTA	
Revision# Description Date:										Issue Date 09-15-2023		Checked DFG	
										Drawn PDB		Drawing Number 05.CS02	



DISTURBED AREA

THE TOTAL DISTURBED AREA FOR THIS SITE IS 0.12 ACRES.

CONSTRUCTION SCHEDULE

THE CONSTRUCTION SCHEDULE IS AS FOLLOWS (THE TIME ALLOWED FOR EACH SEQUENCE MAY VARY):

- INSTALL TEMPORARY VEHICLE TRACKING CONTROL AND SILT FENCE AS SHOWN ON PLANS. 1 DAY
- STRIP TOPSOIL AND STOCKPILE ON SITE. EXCESS TOPSOIL TO BE MOVED OFF OF SITE. 1 DAY
- REPLACE TOPSOIL, SEED, AND MULCH ALL AREAS DESIGNATED IN THE LANDSCAPE PLAN. 3-4 DAYS
- MAINTAIN ALL EROSION CONTROLS UNTIL SITE CONSTRUCTION IS COMPLETED AND SITE HAS REACHED FINAL STABILIZATION. 6 MONTHS

LEGEND

- 1392--- EXISTING MINOR CONTOUR
- 1395--- EXISTING MAJOR CONTOUR
- 1398--- PROPOSED MINOR CONTOUR
- 1400--- PROPOSED MAJOR CONTOUR
- LIMITS OF GRADING (00.00 ACRES ±)
- VEHICLE TRACKING CONTROL (S.F. S.P. 734.04)
- PROPOSED DIVERSION DIKE (S.F. S.P. 734.04)
- ROUGH-CUT STREET CONTROL (S.F. S.P. 734.05)
- PROPOSED SILT FENCE (S.F. S.P. 734.09)
- TEMPORARY SEDIMENT TRAP (S.F. S.P. 734.10)
- INLET PROTECTION (S.F. S.P. 734.16)
- PROPOSED SILT DITCH (S.F. S.P. 734.22)
- PROPOSED HORSESHOE FILTER (S.F. S.P. 734.23)
- CONCRETE WASHOUT FACILITY (S.F. S.P. 734.28)
- SEDIMENT CONTROL WATTLE (S.F. S.P. 734.29)
- FILTER STRIP DO NOT DISTURB (S.F. S.P. 734.31)
- ROCK CHECK DAM (S.F. S.P. 734.15)
- ROLLED EROSION CONTROL PRODUCT
- TURF REINFORCEMENT MAT
- RIP RAP / OUTLET PROTECTION
- SOD
- LANDSCAPE ROCK

GENERAL NOTES

- NO CONCRETE TO BE DUMPED ON VA GROUNDS DUE TO WASHING OUT OF CONTAINERS
- CONTRACTOR VEHICLES TO NOT TRACK MUD AND DEBRIS ONTO THE ROAD SURFACE OF THE VA OR CITY OF SIOUX FALLS. CONTRACTORS SHALL INSTALL RIP/RAP TO REMOVE DEBRIS FROM VEHICLES AS APPLICABLE, AND MAINTAIN RIP/RAP
- ANY DEBRIS SHALL BE COLLECTED AND STORED IN PROPER CONTAINERS AND REMOVED WITHOUT DISTURBING VA GROUNDS AESTHETICS.

MINOR ERSC NOTES

- INSTALL VEHICLE TRACKING CONTROL (VTC) AT EVERY CONSTRUCTION ENTRANCE. ONE (1) VTC SHOWN.
- INSTALL SILT FENCE (CONTRACTOR OPTION) AT THE STOCKPILE LOCATION(S). EXACT LOCATION AS DETERMINED BY OWNER OR PROJECT MANAGER.
- MAINTENANCE OF EROSION CONTROL DEVICES PER DETAILED NOTES AND AS REQUIRED BY INSPECTION OF FACILITIES SHALL BE PERFORMED BY PRIME CONTRACTOR.
- AT ALL TIMES DURING GRADING OPERATIONS PROVIDE POSITIVE DRAINAGE TO EROSION CONTROL DEVICES, AND EXISTING DITCHES.
- THE EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AND BE MAINTAINED/REPAIRED AS NEEDED UNTIL WORK IS COMPLETED AND SITE IS STABILIZED PER THE SWPPP.
- ALL PAVED STREETS ADJACENT TO THE SITE SHALL BE CLEANED AT THE END OF EACH WORKING DAY.
- AFTER CONSTRUCTION BEGINS, SOIL SURFACE STABILIZATION SHALL BE APPLIED WITHIN 14 DAYS TO ALL DISTURBED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR PERIODS LONGER THAN AN ADDITIONAL 21 CALENDAR DAYS. WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE, PERMANENT OR TEMPORARY SOIL SURFACE STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS AND SOIL STOCKPILES.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS AND ENGINEERING DESIGN STANDARDS OF THE CITY OF SIOUX FALLS.
- PROJECT INSPECTION PRIORITY: **LOW**
- AT NO TIME SHALL ANY WATERS FROM THIS PROJECT ENTER THE STORM SEWER OR LEAVE THE PROJECT LIMITS WITHOUT EXPOSURE TO A SEDIMENT FILTRATION DEVICE. ALL DROP INLETS, MANHOLES AND JUNCTION BOXES (EXISTING OR NEW) SHALL HAVE SEDIMENT CONTROL DEVICES PLACED AROUND THEIR PERIMETER DURING ALL STAGES OF CONSTRUCTION EXCEPT DURING THE PLACEMENT OF FINAL SURFACING. THIS MAY NECESSITATE MULTIPLE INSTALLATIONS OF THE SEDIMENT CONTROL DEVICES AT THE SAME LOCATION.
- AFTER SITE IS STABILIZED CONTRACTOR SHALL REMOVE SILT FENCE AND REMOVE VEHICLE TRACKING CONTROL. SOD ALL DISTURBED AREAS.

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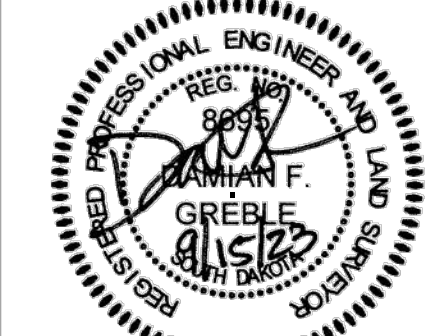
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STAMP



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

CIVIL - EROSION CONTROL PLAN

Approved:

Phase

CONSTRUCTION DOCUMENTS

FOR OFFICIAL USE ONLY

Project Title

SIOUX FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS

Location

SIOUX FALLS, SOUTH DAKOTA

Issue Date

09-15-2023

Checked

DFG

Drawn

PDB

EGAH# SD221281

Project Number
VA #VA #438-22-600
SGA #221926

Building Number
5

Drawing Number

05.CS04