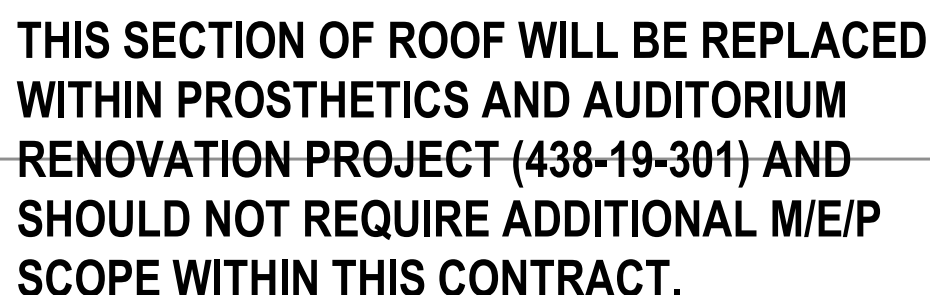
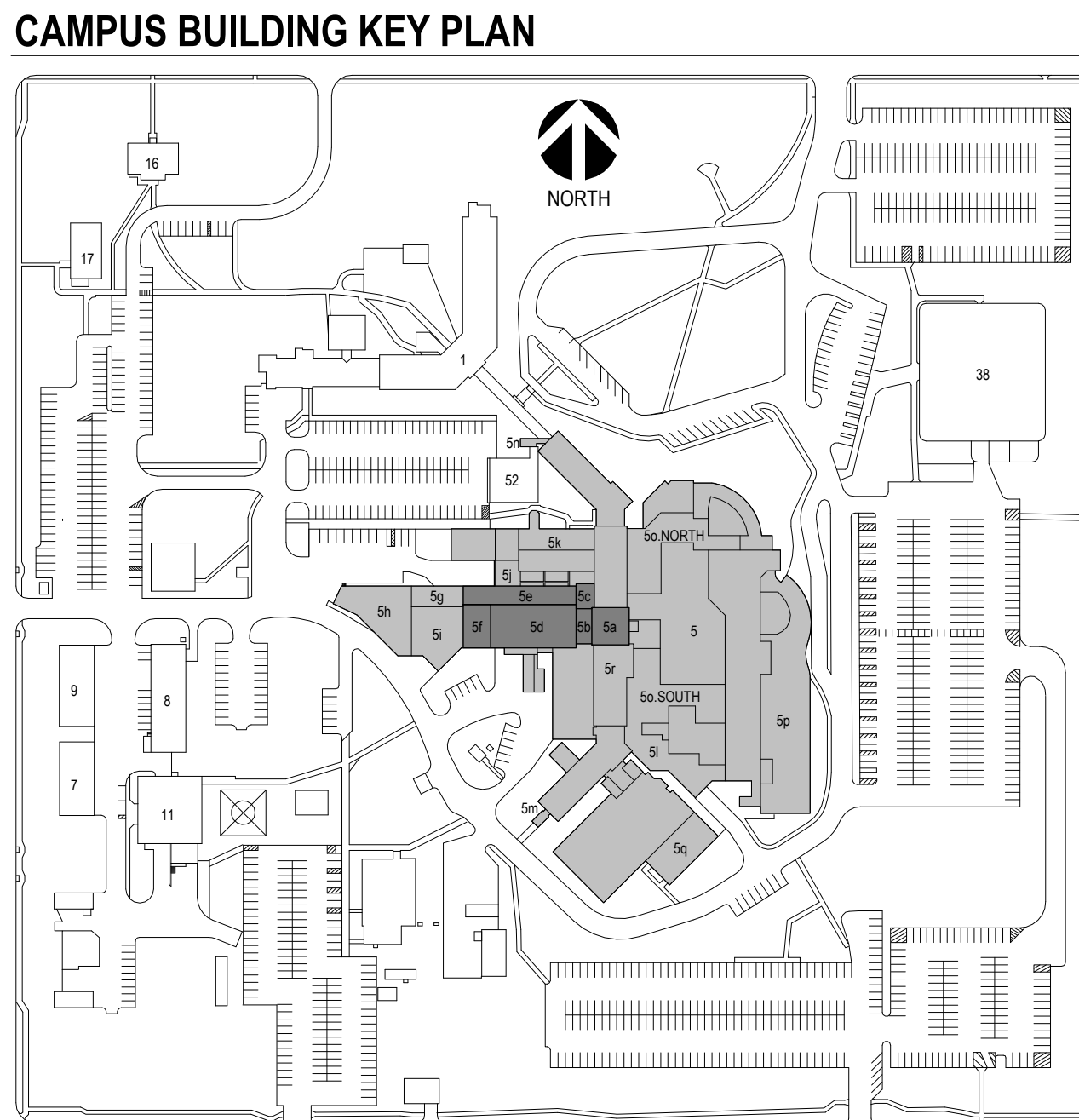


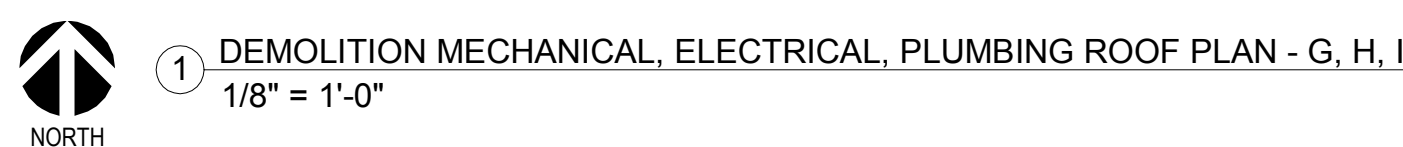


EXISTING ANTENNA SYSTEMS LOCATED ON ROOF OF BUILDING 5 TOWER. COORDINATE WITH VA COR TO VERIFY WHICH ANTENNA'S ARE ACTIVE. ANTENNA SYSTEMS INDICATED AS ACTIVE TO BE REMOVED AND REINSTALLED ANTENNA SYSTEMS INDICATED AS INACTIVE TO BE REMOVED AND DISPOSED OF INCLUDING SUUPORTS AND CABLING. ANTENNA'S NEED TO REMAIN ACTIVE DURING ROOFING WORK.



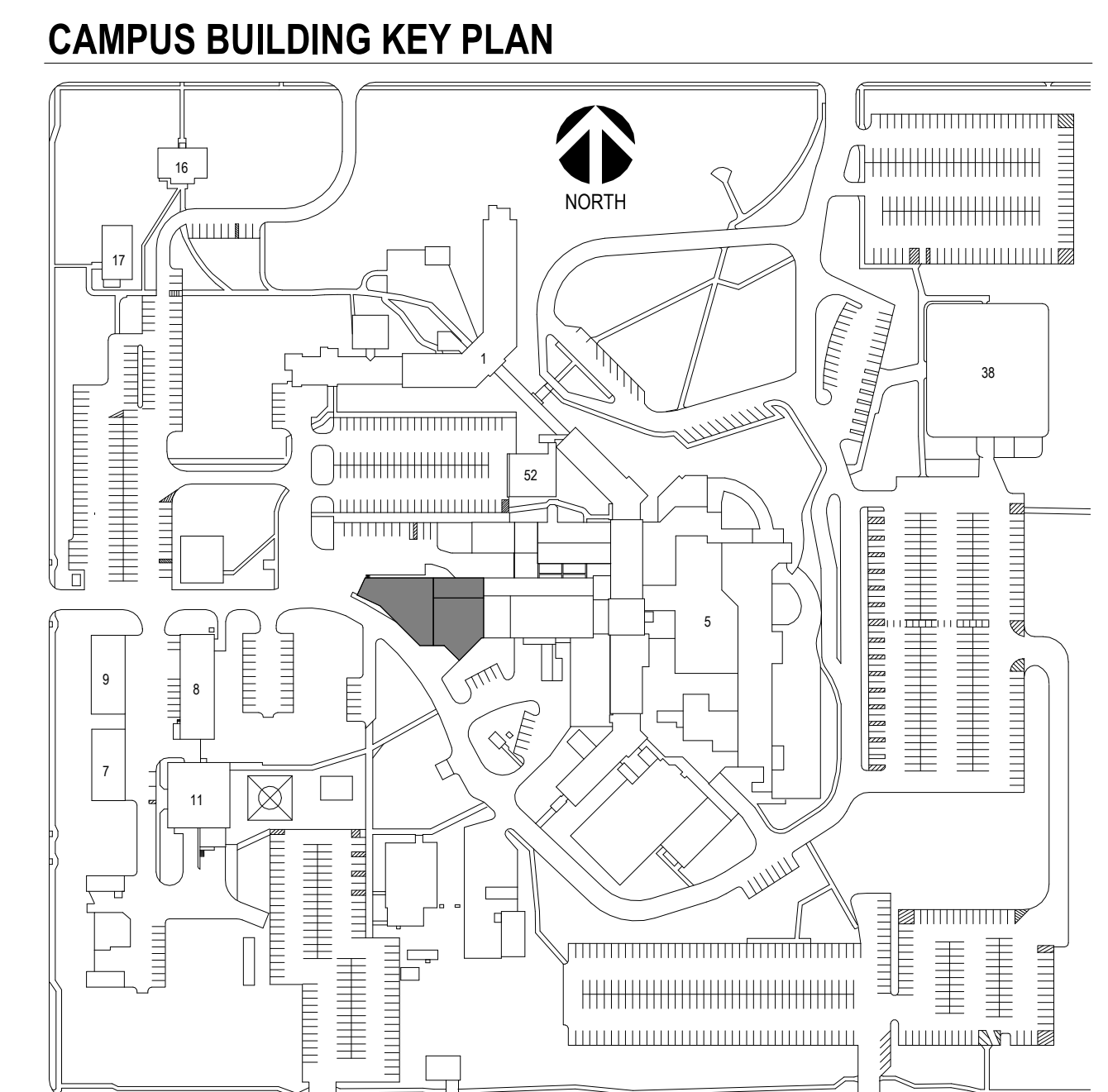
① DEMOLITION MECHANICAL, ELECTRICAL, PLUMBING ROOF PLAN - A, B, C, D, E, F
1/8" = 1'-0"

05.MEPD121



E1 CONTRACTOR TO DOCUMENT EXISTING LAYOUT FOR REINSTALLATION. DISCONNECT LIGHTNING PROTECTION SYSTEM. PROTECT AIR TERMINALS, CONDUCTORS, AND FITTINGS FOR REINSTALLATION.

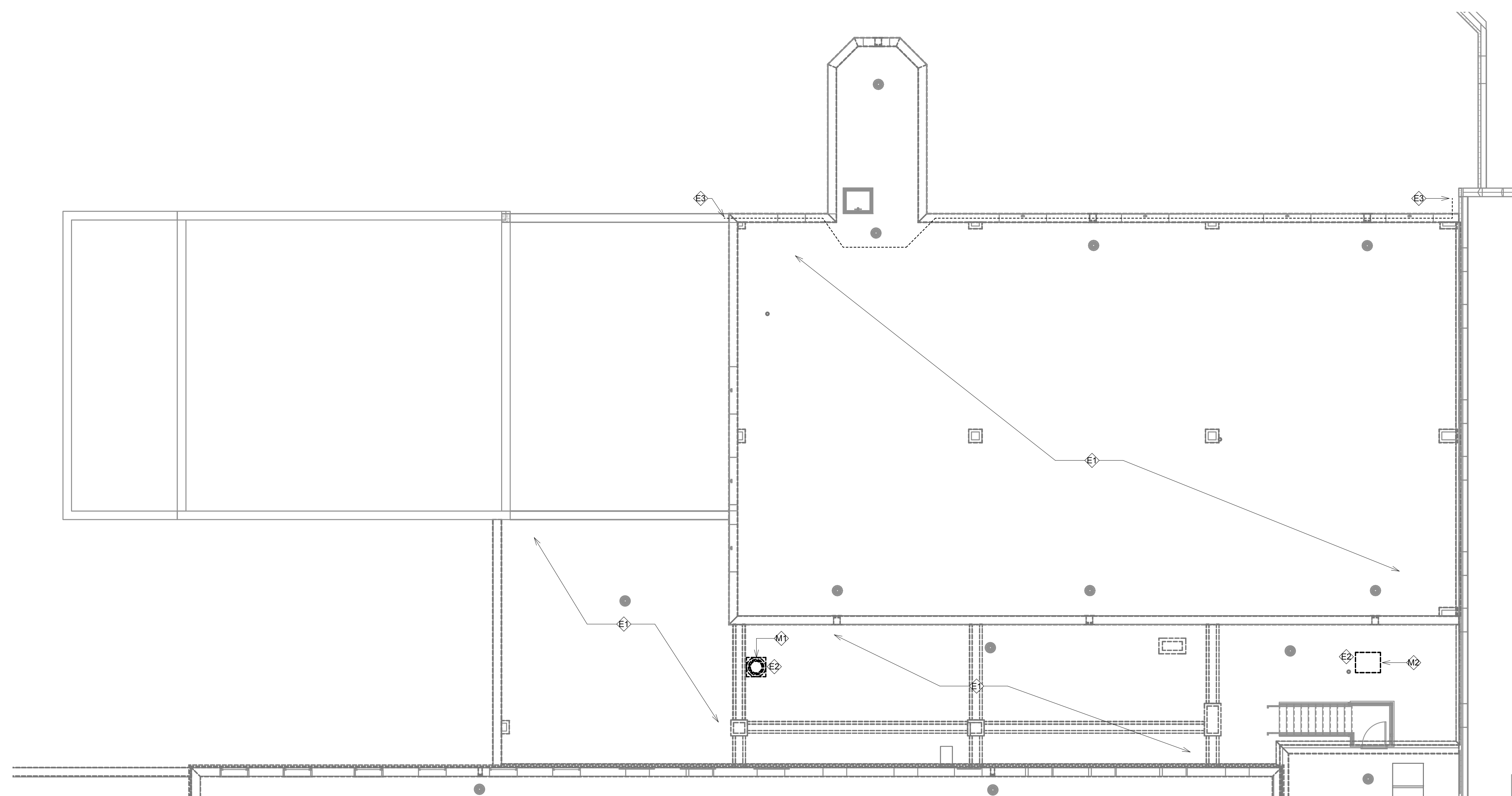
E2 DISCONNECT ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE WITH VA COR AND MECHANICAL CONTRACTOR IF TEMPORARY POWER IS REQUIRED.



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
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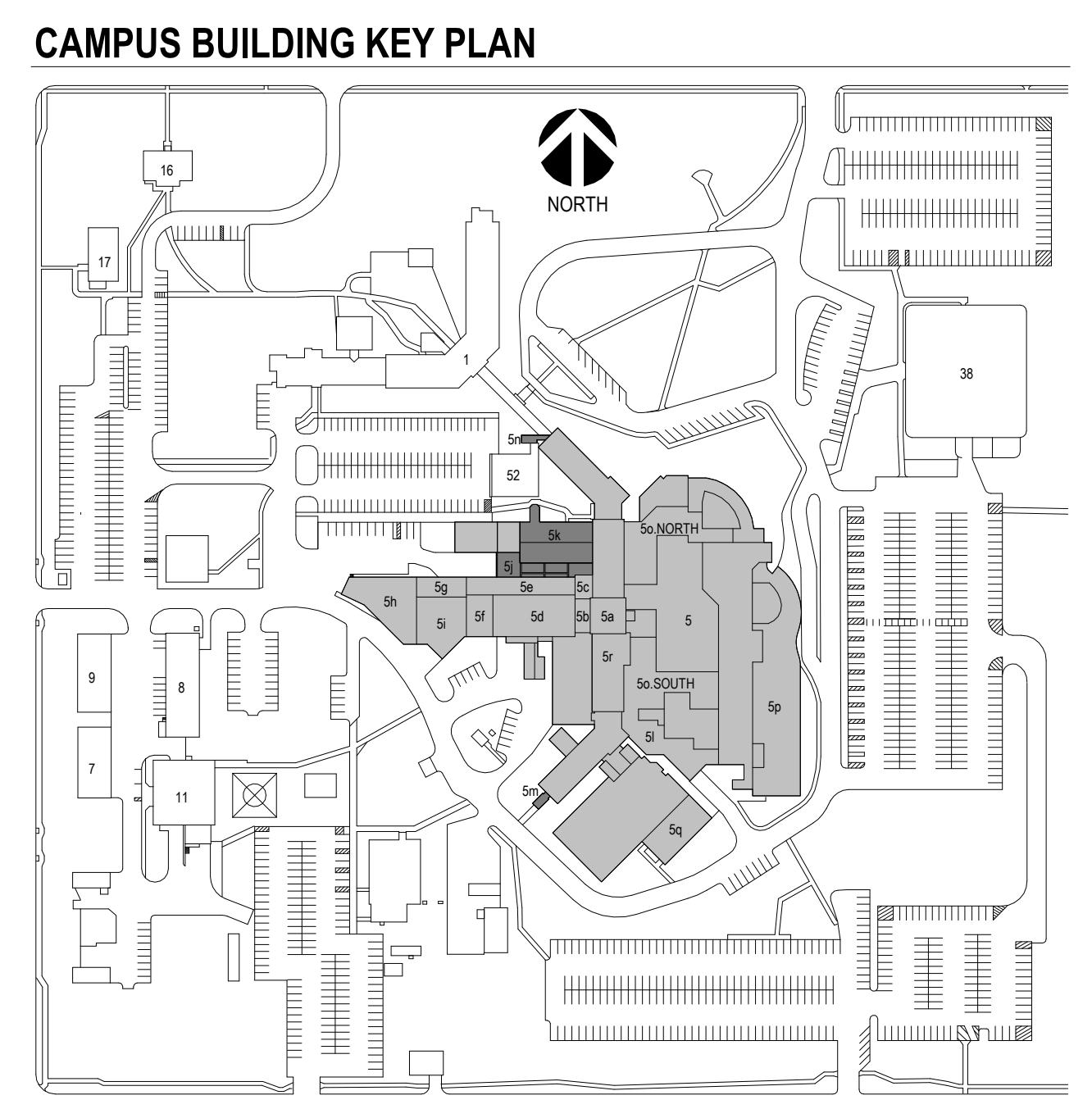
1 2 3 4 5 6 7 8 9 10



1 DEMOLITION MECHANICAL, ELECTRICAL, PLUMBING ROOF PLAN - J, K, M, N
1/8" = 1'-0"

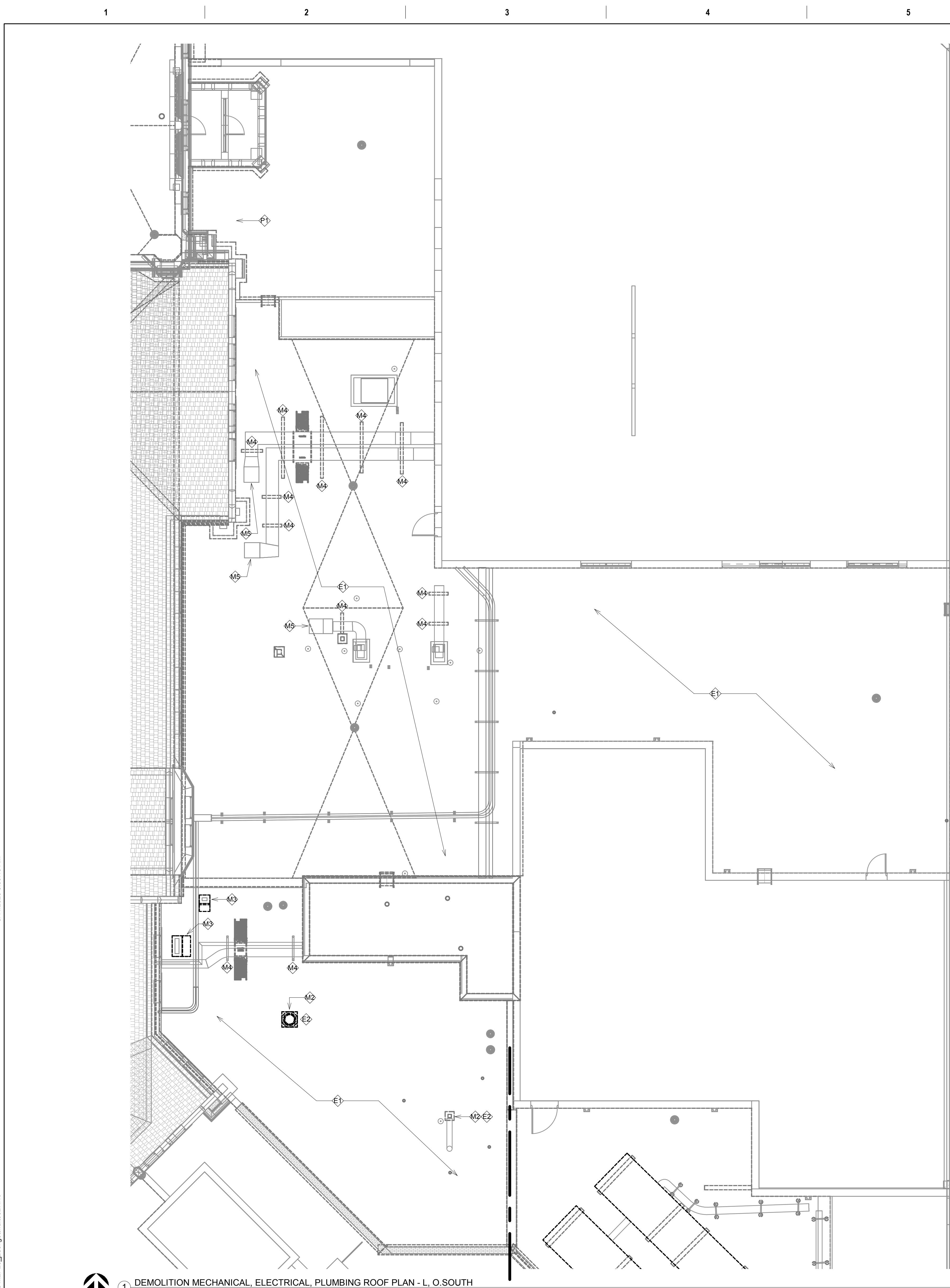
- GENERAL NOTES:**
- A. MECHANICAL CONTRACTOR SHALL REFER TO SPECIFICATION MANUAL EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS. ALL REQUIREMENTS OF THOSE MANUALS SHALL BE MAINTAINED IN ADDITION TO ALL NOTES AND DESCRIPTIONS INDICATED WITHIN THESE DRAWINGS. ANY CONFLICTS BETWEEN THOSE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR INTERPRETATION.
 - B. WHERE APPLICABLE (FOR ANY INTERIOR STORM DRAIN PIPING SHOWN INSTALLED WITHIN BUILDINGS 5 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 DEMOLITION**
- NO PLUMBING DEMOLITION ANTICIPATED FOR THIS DRAWING.
- KEY NOTES: MECHANICAL DEMOLITION**
- M1 TEMPORARILY REMOVE EXISTING POWERED ROOF VENTILATOR (PRV) FAN AND CURB COUNTERFLASHING TO ALLOW ROOFING CONTRACTOR TO APPLY NEW MEMBRANE FLASHING AROUND EXISTING CURB. COORDINATE DISCONNECT/RECONNECT OF POWER AND/OR CONTROL WIRING WITH ASSOCIATED SUBCONTRACTORS.
 - M2 TEMPORARILY REMOVE EXISTING CONDENSING UNIT FAN AND RAIL COUNTERFLASHING TO ALLOW ROOFING CONTRACTOR TO APPLY NEW MEMBRANE FLASHING AROUND EXISTING EQUIPMENT RAILS. COORDINATE DISCONNECT/RECONNECT OF POWER AND/OR CONTROL WIRING WITH ASSOCIATED SUBCONTRACTORS.
- KEY NOTES: ELECTRICAL DEMOLITION**
- E1 CONTRACTOR TO DOCUMENT EXISTING LAYOUT FOR REINSTALLATION. DISCONNECT LIGHTNING PROTECTION SYSTEM. PROTECT AIR TERMINALS, CONDUCTORS, AND FITTINGS FOR REINSTALLATION.
 - E2 DISCONNECT ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE WITH VA GOR AND MECHANICAL CONTRACTOR IF TEMPORARY POWER IS REQUIRED.
 - E3 TEMPORARILY SUPPORT ELECTRICAL CONDUIT AS ROOFING AND PARAPET CAP ARE REPLACED.



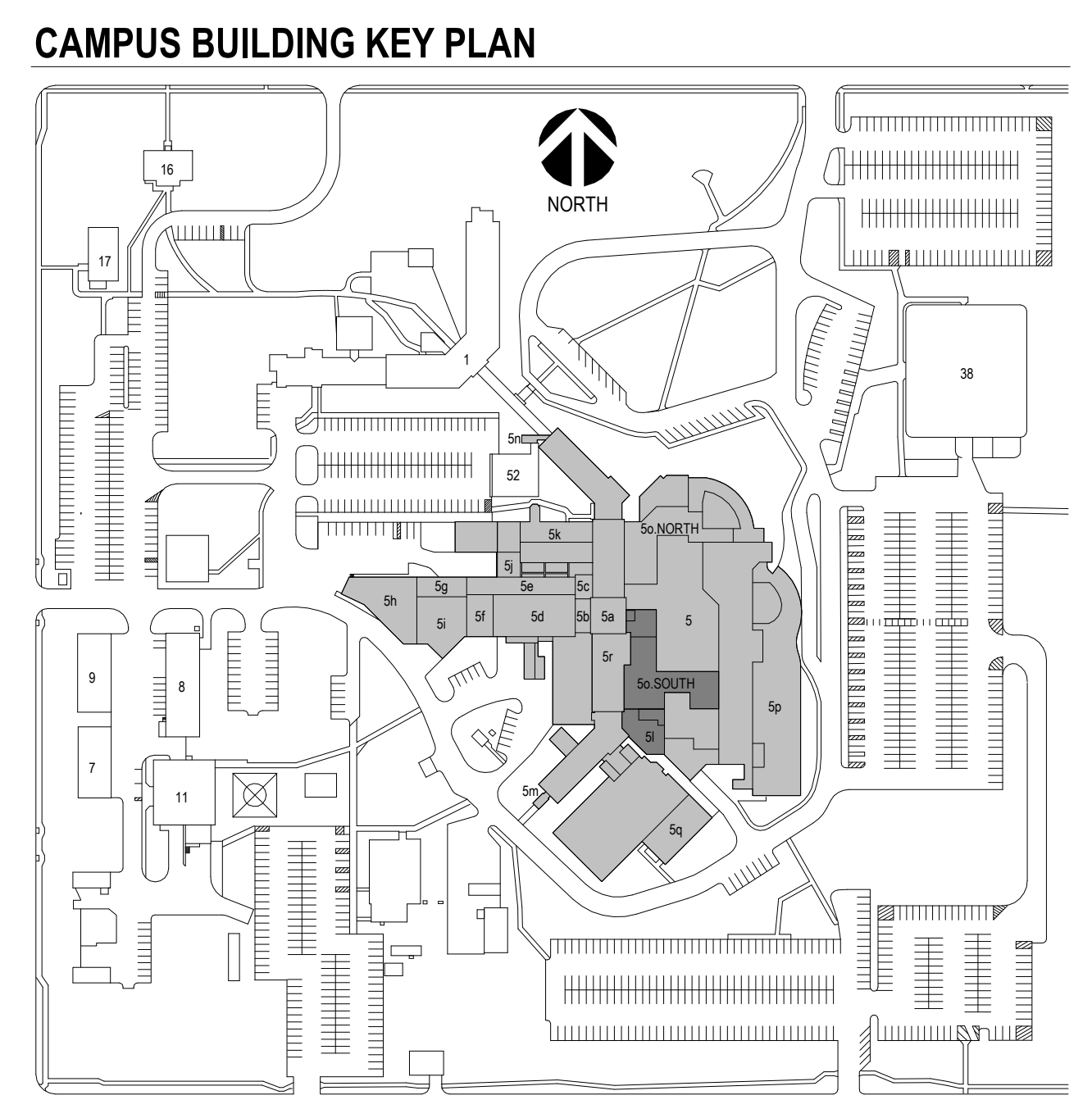
CONSULTANTS		ARCHITECT OF RECORD		Office of Construction and Facilities Management		Drawing Title M/E/P ROOF PLAN - DEMOLITION - J, K, M, N		Phase CONSTRUCTION DOCUMENTS		Project Title SIOUX FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS		Project Number VA #VA #438-22-600 SGA #221926			
CIVIL: EHRHART GRIFFIN & ASSOCIATES Ehrhart Griffin & Associates 601 N Minnesota Ave Sioux Falls, SD 57104 Phone: 605-339-7215		STRUCTURAL: ERICKSEN ROED & ASSOCIATES 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		STONE GROUP ARCHITECTS 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		Drawing Number 05.MEPD123	
Revision#		Description		Date:		Issue Date 09-15-2023		Checked JRG		Drawn JG,TM,BZ		Issue Date 09-15-2023		Checked JRG	

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 - B. WHERE APPLICABLE (FOR ANY INTERIOR STORM DRAIN PIPING SHOWN INSTALLED WITHIN BUILDINGS S AND 3B), 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.
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 - 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.
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- KEY NOTES: PLUMBING DEMOLITION**
- E1 REMOVE EXISTING ROOF DRAIN, AND ASSOCIATED PIPING ON FLOOR BELOW TO NEAREST RISER OR BRANCH TAKE-OFF AND CAP. COORDINATE ACCESS TO INTERIOR SPACE ON FLOOR BELOW DURING OVERTIME HOURS FOR PIPING DEMOLITION AND ROOF PATCHING REQUIREMENTS.
- KEY NOTES: MECHANICAL DEMOLITION**
- M1 MECHANICAL CONTRACTOR TO REVIEW SITE CONDITIONS FOR EXISTING CHILLER UNIT TO BE TEMPORARILY REMOVED AND REINSTALLED FOR ROOFING INSTALLATION. REVIEW EQUIPMENT NEED TO PICK-UP AND TEMPORARILY RELOCATE, ALONG WITH ACCEPTABLE SCHEDULE THROUGH COORDINATION WITH VA FACILITIES FOR REQUIRED OUTAGE (NO TEMP UNIT WILL BE REQ'D).
 - M2 TEMPORARILY REMOVE EXISTING POWERED ROOF VENTILATOR (PRV) FAN AND CURB COUNTERFLASHING TO ALLOW ROOFING CONTRACTOR TO APPLY NEW MEMBRANE FLASHING AROUND EXISTING CURB. COORDINATE DISCONNECT/RECONNECT OF POWER AND/OR CONTROL WIRING WITH ASSOCIATED SUBCONTRACTORS.
 - M3 TEMPORARILY REMOVE EXISTING INTAKE HOOD AND CURB COUNTERFLASHING TO ALLOW ROOFING CONTRACTOR TO APPLY NEW MEMBRANE FLASHING AROUND EXISTING CURB. NOTIFY VA OF VENTILATION OUTAGE CAUSED BY MOMENTARILY BLOCKING INTAKE.
 - M4 CONTRACTOR TO TEMPORARILY SUPPORT ALL ROOFTOP DUCTWORK TO ALLOW ROOFING CONTRACTOR TO INSTALL NEW MEMBRANE AND COUNTERFLASHING ONTO EXISTING ROOF RAIL SUPPORTS.
 - M5 CONTRACTOR TO REMOVE AND/OR MODIFY EXISTING INSULATION AND VENTURECLAD DOUBLE WALL METAL JACKETING ON DUCT PENETRATIONS THROUGH ROOF TO ALLOW ROOFING CONTRACTOR TO REINSTALL MEMBRANE AND COULTERFLASHING UNDERNEATH INSULATION.
- KEY NOTES: ELECTRICAL DEMOLITION**
- E1 CONTRACTOR TO DOCUMENT EXISTING LAYOUT FOR REINSTALLATION. DISCONNECT LIGHTNING PROTECTION SYSTEM. PROTECT AIR TERMINALS, CONDUCTORS, AND FITTINGS FOR REINSTALLATION.
 - E2 DISCONNECT ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT. COORDINATE WITH VA COR AND MECHANICAL CONTRACTOR IF TEMPORARY POWER IS REQUIRED.



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 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 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 - DEMOLITION - L, O.SOUTH 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 05 Drawing Number 05.MEPD124	
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A

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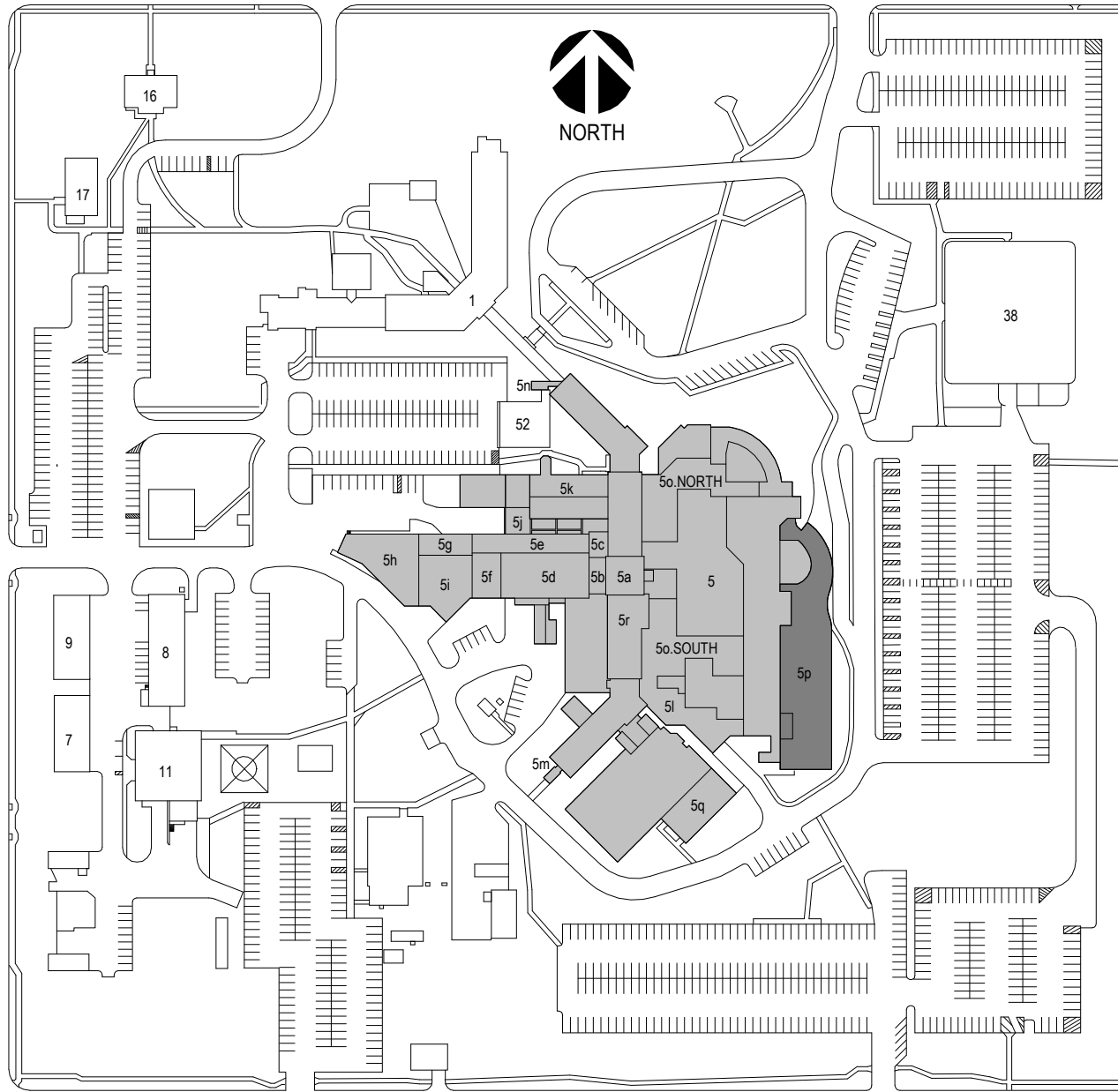
C

D

E

F

CAMPUS BUILDING KEY PLAN



GENERAL NOTES:

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KEY NOTES: PLUMBING DEMOLITION

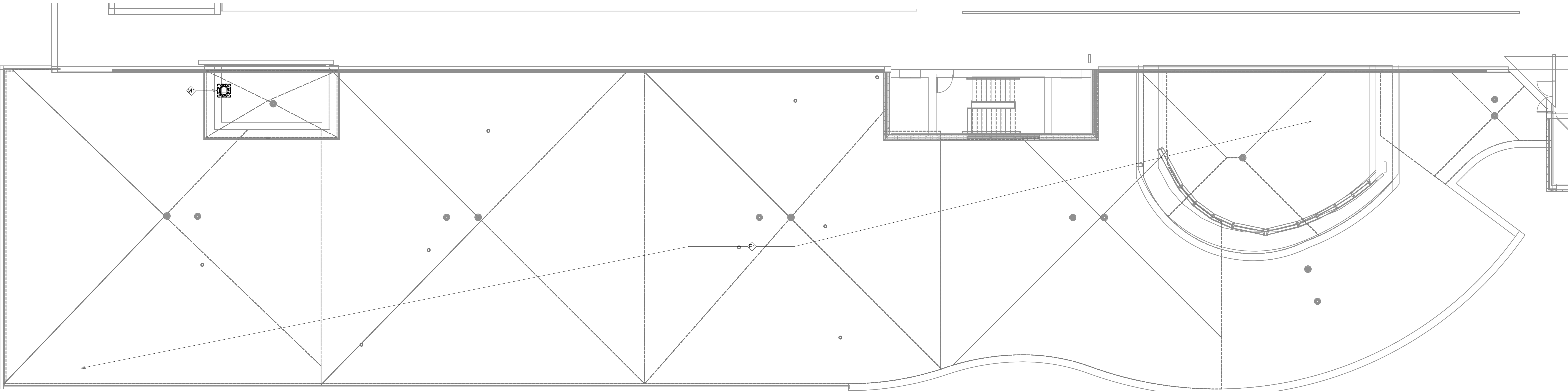
NO PLUMBING DEMOLITION ANTICIPATED FOR THIS DRAWING.

KEY NOTES: MECHANICAL DEMOLITION

- TEMPORARILY REMOVE EXISTING POWERED ROOF VENTILATOR (PRV) FAN AND CURB COUNTERFLASHING TO ALLOW ROOFING CONTRACTOR TO APPLY NEW MEMBRANE FLASHING AROUND EXISTING CURBS. COORDINATE DISCONNECT/RECONNECT OF POWER AND/OR CONTROL WIRING WITH ASSOCIATED SUBCONTRACTORS.

KEY NOTES: ELECTRICAL DEMOLITION

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1 DEMOLITION MECHANICAL, ELECTRICAL, PLUMBING ROOF PLAN - P.UPPER
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

CIVIL:
EHRHART GRIFFIN & ASSOCIATES
Ehrhart Griffin & Associates
601 N Minnesota Ave
Sioux Falls, SD 57104
Phone: 605-339-7215

STRUCTURAL:
ERA ERICKSEN ROED & ASSOCIATES
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



Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
M/E/P ROOF PLAN - DEMOILITION -
P.UPPER

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

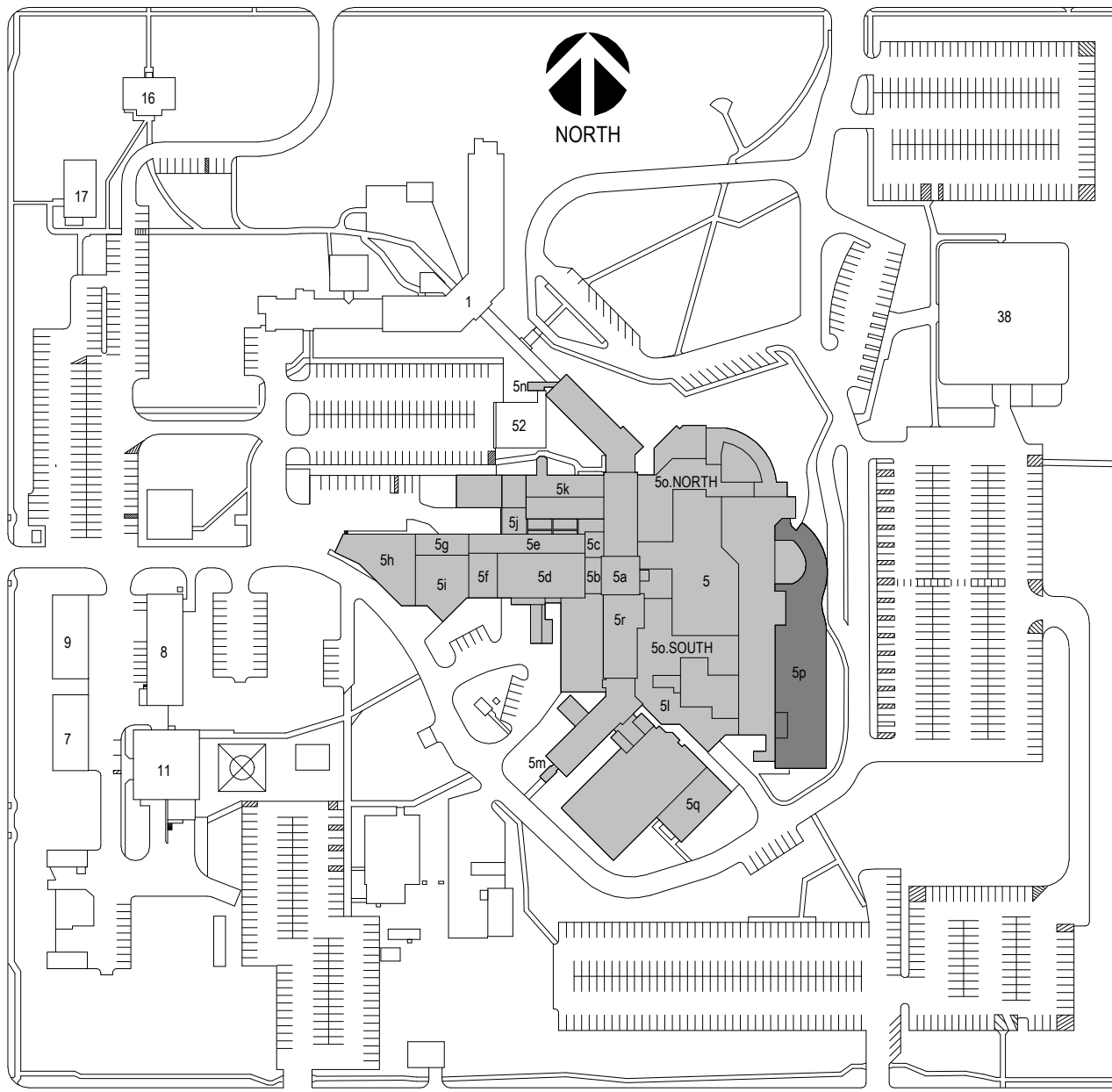
Building Number
05

Drawing Number

05.MEPD126

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CAMPUS BUILDING KEY PLAN



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KEY NOTES: PLUMBING DEMOLITION

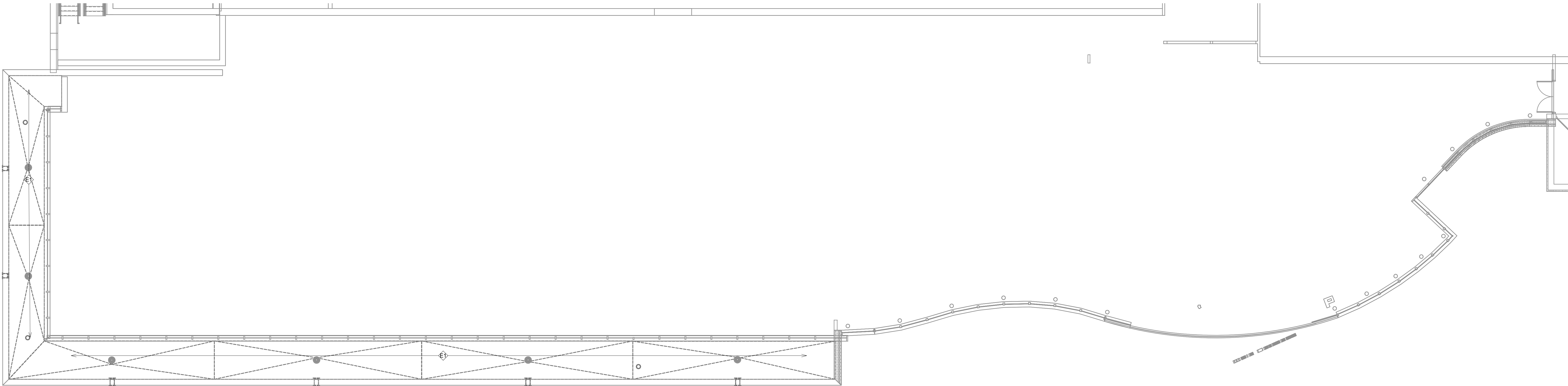
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KEY NOTES: MECHANICAL DEMOLITION

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KEY NOTES: ELECTRICAL DEMOLITION

CONTRACTOR TO DOCUMENT EXISTING LAYOUT FOR REINSTALLATION. DISCONNECT LIGHTNING PROTECTION SYSTEM. PROTECT AIR TERMINALS, CONDUCTORS, AND FITTINGS FOR REINSTALLATION.



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STRUCTURAL:
ERA ERICKSEN ROED & ASSOCIATES
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



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
M/E/P ROOF PLAN - DEMOLITION - P.LOWER

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
05

Drawing Number
05.MEPD127



VA | U.S. Department
of Veterans Affairs

Approved:

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NO PLUMBING DEMOLITION ANTICIPATED FOR THIS DRAWING

41 LARGE AIR-COOLED CHILLER UNITS WILL REQUIRE TO BE FULLY REMOVED WHILE ROOFING WORK OCCURS. PROVIDE VACOR WITH A COMPREHENSIVE CRANE LIFT PLAN, AND INCLUDE LARGE FLATED SEMI-TRAILERS LARGE ENOUGH TO OFFLOAD EACH OF THESE TWO CHILLERS ONTO TO BE ABLE TO REMOVED FROM SITE WHILE RE-ROOFING OCCURS. NOTE THAT EXISTING ROOF RAISE FOR THESE CHILLERS WILL NEED TO BE MODIFIED TO RAISE UNITS ENOUGH FOR THICKER ROOF INSULATION AT THIS LOCATION. COORDINATE DISCONNECTION OF CHILLED WATER PIPING CONNECTION ALONG WITH ANY CONTROL WIRING.

E1 DISCONNECT POWER TO CHILLER UNIT. COORDINATE LOCK-OUT OF POWER AT ASSOCIATED PANEL UNTIL TIME OF RECONNECTION.

A. MECHANICAL CONTRACTOR SHALL REFER TO SPECIFICATION MANUAL EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS. ALL REQUIREMENTS OF THE SPECIFICATION SHALL BE COMPLIED WITH 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 & 38), COORDINATE ALL NEW PIPING WITH ALL OTHER EXISTING PIPING TO ENSURE ADEQUATE CLEARANCES FOR ELECTRICAL CABLES, CONDUITS, VENTILATION, 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, MUST BE IDENTIFIED AND LABELED WITH 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-IN SHALL BE VERIFIED PRIOR TO REMOVAL AND REPLACEMENT. COORDINATE TO VERIFY SUFFICIENT CLEARANCE FOR EQUIPMENT LOCATION.

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 REPLACE WITH NEW PROVIDED EQUIPMENT AND FUNCTIONALITY.

G. COORDINATE NEW ROOF DRAIN INSTALLATIONS. PROVIDE 18" MINIMUM SIZED PIPE OF PNEUMATIC STRUCTURE ROOF TO BE DRILLED OR CUT BY THE CONTRACTOR. INFILL AROUND DRAIN BODY. COORDINATE TO INSTALL A 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 PROJECT MANAGER FOR REVIEW AND APPROVAL. 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 NOTES AND SPECIFICATIONS FOR DRAWING, ABOVE AND BELOW GRADE. MUST BE FABRICATED OF CAST IRON.

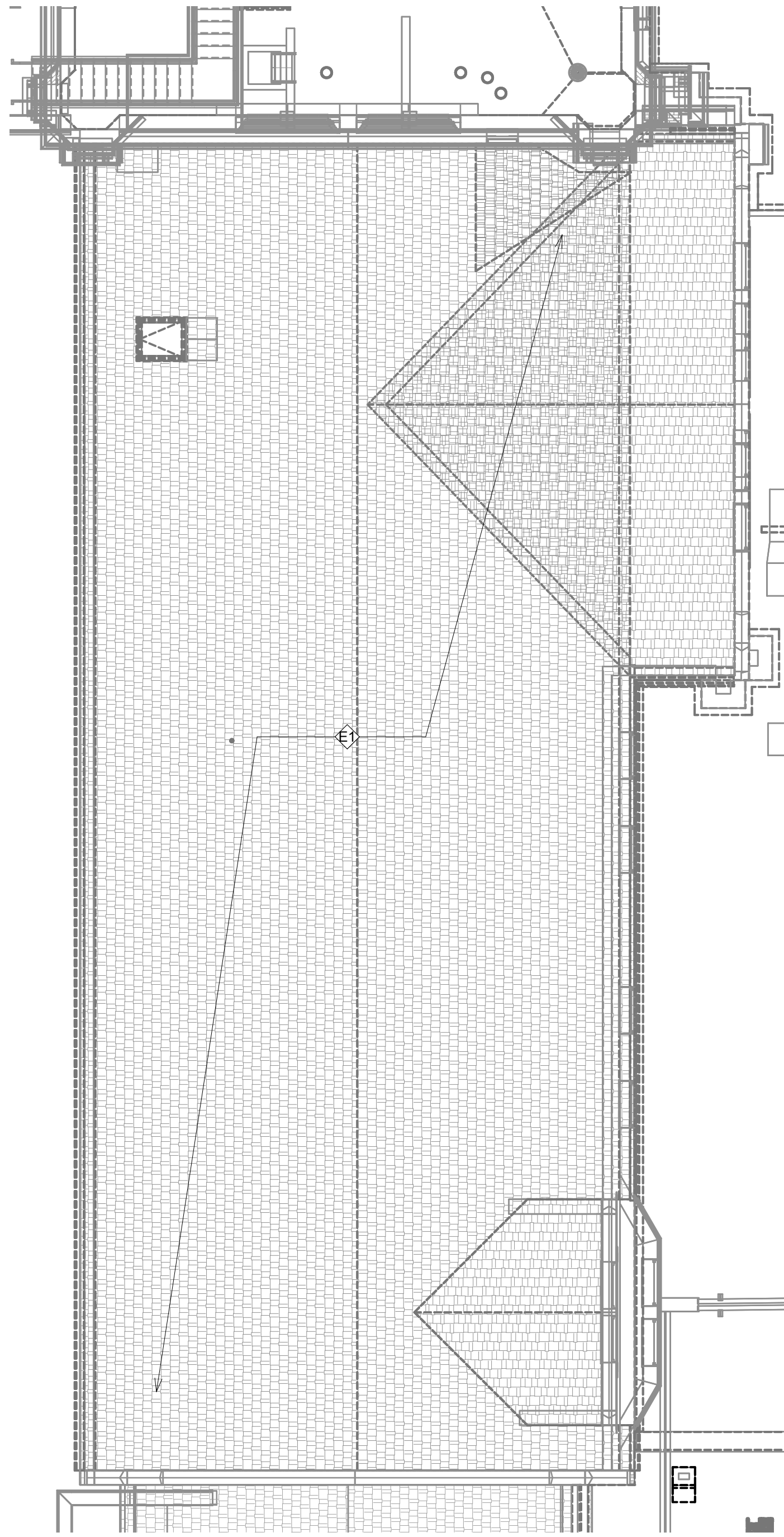
K. CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES WITH ANY EXISTING PIPING INDICATED OR REVISIONS TO THE NEW PLUMBING OR FIRE PROTECTION LAYOUTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE RECORD DRAWING.


STONE GROUP
ARCHITECTS

Stone Group Architects, Inc.
600 East 7th Street
Sioux Falls, SD 57103
605.336.1144

Three inches = one foot
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three quarters inch = one foot
one half inch = one foot
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one eighth inch = one foot

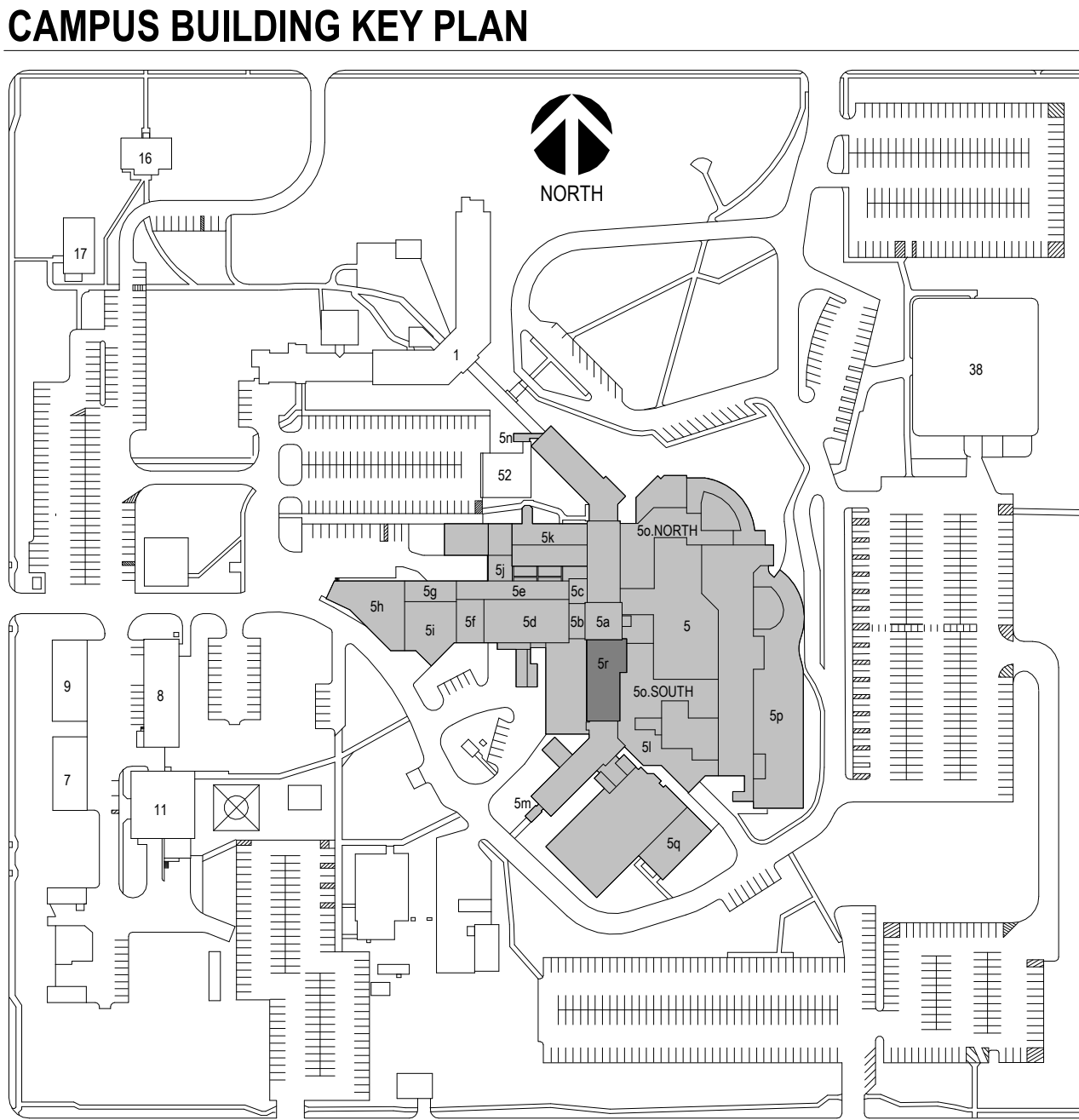
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1 DEMOLITION MECHANICAL, ELECTRICAL, PLUMBING ROOF PLAN - AREA R
1/8" = 1'-0"

- 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 3B). 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 DEMOLITION**
- NO PLUMBING DEMOLITION ANTICIPATED FOR THIS DRAWING.
- KEY NOTES: MECHANICAL DEMOLITION**
- NO MECHANICAL DEMOLITION ANTICIPATED FOR THIS DRAWING.
- KEY NOTES: ELECTRICAL DEMOLITION**
- CONTRACTOR TO DOCUMENT EXISTING LAYOUT FOR REINSTALLATION. DISCONNECT LIGHTNING PROTECTION SYSTEM. PROTECT AIR TERMINALS, CONDUCTORS, AND FITTINGS FOR REINSTALLATION.



Revision#	Description	Date:

CONSULTANTS

CIVIL:
EHRHART GRIFFIN & ASSOCIATES
601 N Minnesota Ave
Sioux Falls, SD 57104
Phone: 605-339-7215

STRUCTURAL:
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 PROFESSIONAL ENGINEER
REG. NO. 7073
JAY ROHKOHL
SOUTH DAKOTA

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

Drawing Title
M/E/P ROOF PLAN - DEMOLITION - R
Approved:

Phase
CONSTRUCTION DOCUMENTS
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SIOUX FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS
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Issue Date
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Project Number
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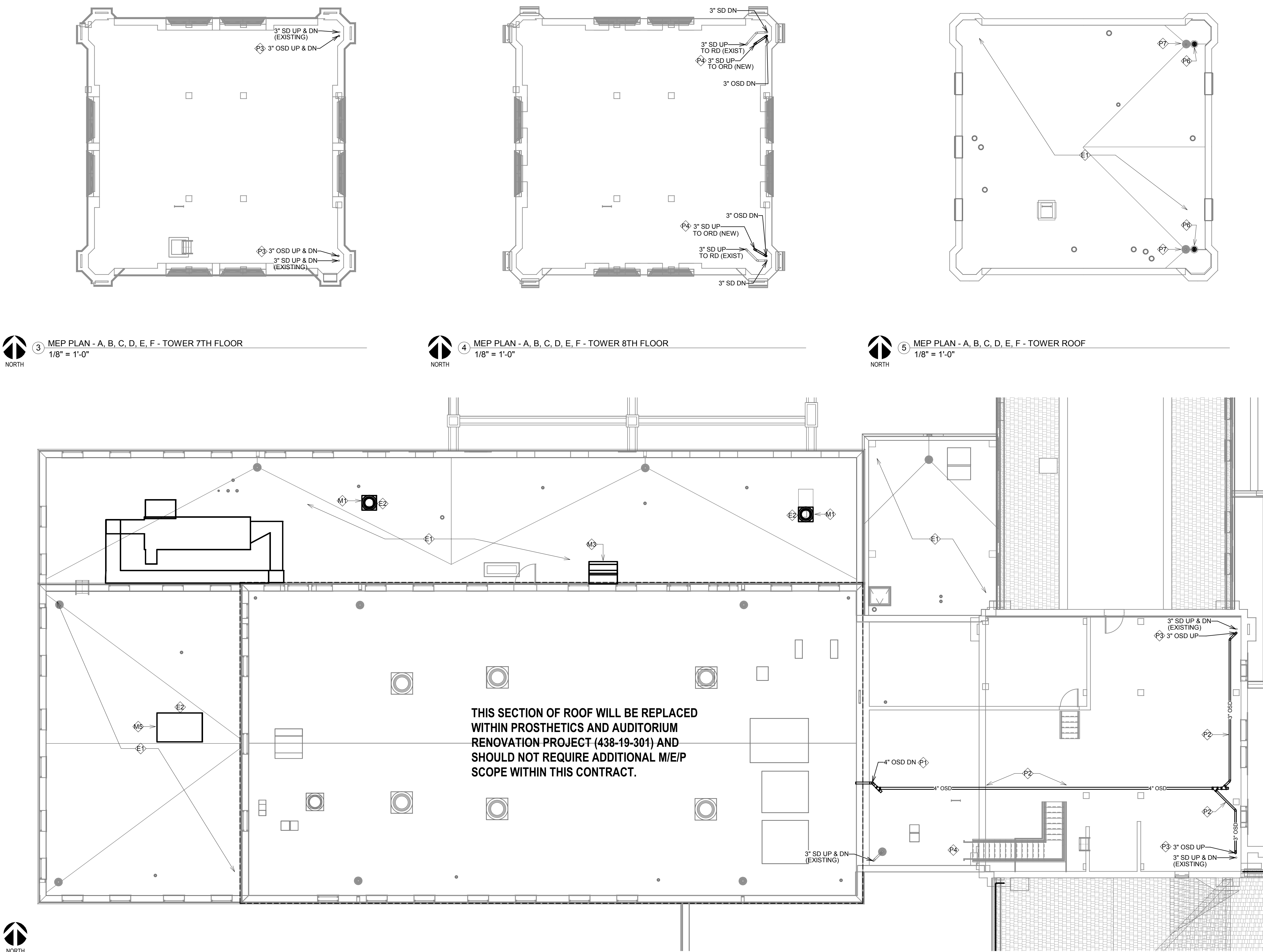
A
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- GENERAL NOTES:**
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 - B. WHERE APPLICABLE (FOR ANY INTERIOR STORM DRAIN PIPING SHOWN INSTALLED WITHIN BUILDINGS S AND SB). COORDINATE ALL NEW PIPE ROUTING WITH ALL OTHER EXISTING UTILITIES TO ENSURE 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.
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 - 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.
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 - 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.
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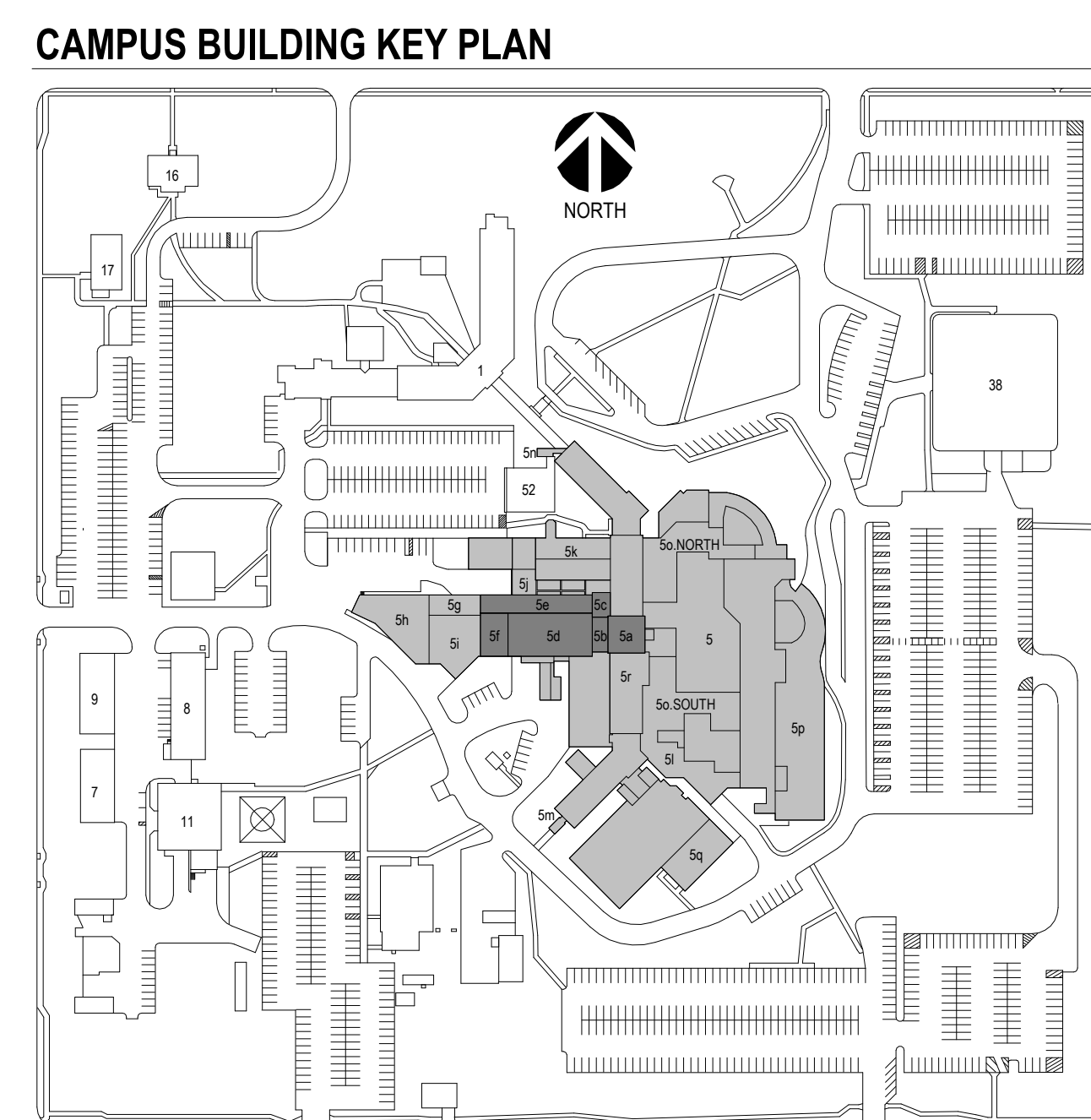
- KEY NOTES: PLUMBING NEW WORK**
- P1 ROUTE 4" OVERFLOW DRAIN PIPE MAIN DOWN EXPOSED ON EXTERIOR WALL OF BUILDING. CORE DRILL AND EXTEND STORM DRAIN PIPE OUT THROUGH WALL AND TERMINATE WITH DOWNSPOUT NOZZLE. ZURN Z199-SS, WITH STAINLESS STEEL BRID SCREEN. DISCHARGE ONTO ADJACENT ROOF AREA (APPROX 10' ABOVE ROOF LEVEL).
 - P2 ROUTE NEW 4" OVERFLOW STORM DRAIN PIPING THROUGH MECHANICAL ROOM. SUPPORT AS REQUIRED AND INCLUDE ALL OFFSET TRANSITIONS NEEDED FOR EXISTING OBSTRUCTIONS IN THIS AREA. CONTRACTOR TO REVIEW SITE PRIOR TO BID.
 - P3 CORE DRILL FLOOR ABOVE FOR PIPING TO EXTEND UP TO NEXT LEVEL. PROVIDE PENETRATION WITH SLEEVE AND ARMY FLOOR TO AVOID ANY REBAR OR IMBEDDED CONDUIT.
 - P4 CORE DRILL ROOF ABOVE LARGE ENOUGH FOR NEW DRAIN INSTALLATION. AT TOP OF RISER PROVIDE A CLEANOUT FOR INSTALLATION OF OPTIONAL HEAT TRACING WITHIN PIPE IF NEEDED (NOTE TO ALSO ALTER EXISTING STORM DRAIN WITH SIMILAR CLEANOUT ON TOP OF RISER).
 - P5 NOT USED.
 - P6 PROVIDE NEW ROOF DRAIN, JOSAM MODEL 21500-AE-03-23, OR EQUAL WITH DECK CLAMP AND RECEIVER (-03) AND ROUGH BRONZE DOME (-23). COORDINATE CORE DRILLING OF CONCRETE ROOF STRUCTURE AS REQUIRED. NOTE THAT OVERFLOW DRAINS SHALL ALSO BE PROVIDED WITH 2" EXTENSION COLLARS (-17).
 - P7 EXISTING DRAINS SHALL HAVE EXISTING DOWNS DRAINS REPLACED WITH BRONZE DOWNS (-23) TO MATCH NEW ROOF DRAINS. VERIFY FIT WITH CURRENT MANUFACTURER/MODEL.

- KEY NOTES: MECHANICAL NEW WORK**
- M1 REINSTALL PRV FAN WITH CURB COUNTERFLASHING AND SEAL AIRTIGHT TO CURB. RECONNECT POWER AND CONTROL WIRING AND PERFORM START-UP TESTING FOR PROPER PERFORMANCE.
 - M2 NOT USED.
 - M3 REINSTALL INTAKE HOOD WITH CURB COUNTERFLASHING AND SEAL AIRTIGHT. REFER TO DEMOLITION DRAWING FOR COORDINATION OF ANY ASSOCIATED HVAC OUTGAGES RESULTING FROM THIS REMOVAL/REPLACEMENT.
 - M4 NOT USED.
 - M5 REINSTALL PREVIOUSLY REMOVED CHILLER ONTO NEW ROOF RAILS (SEE DEMOLITION NOTES). CONTRACTOR TO REVIEW ALL PIPING AND WIRING CONNECTIONS AND PERFORM FULL START-UP SERVICE ON COMPLETION TO VERIFY PROPER OPERATION. INCLUDE TESTING OF WATER TREATMENT AND ASSESSMENT OF EXISTING CONDITION AND COMPONENTS REQUIRING SERVICE. REPORT FINDING TO VA FACILITIES TO ADDRESS SEPARATELY FROM THIS PROJECT.

- KEY NOTES: ELECTRICAL NEW WORK**
- E1 RECONNECT LIGHTNING PROTECTION SYSTEM TO MATCH EXISTING CONDITIONS. VERIFY AIR TERMINAL CONNECTIONS AND ROOF PENETRATIONS SEALED AND FLASHED BY ROOFING CONTRACTOR.
 - E2 RECONNECT ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT. MODIFY EXISTING FEEDER AS REQUIRED.



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



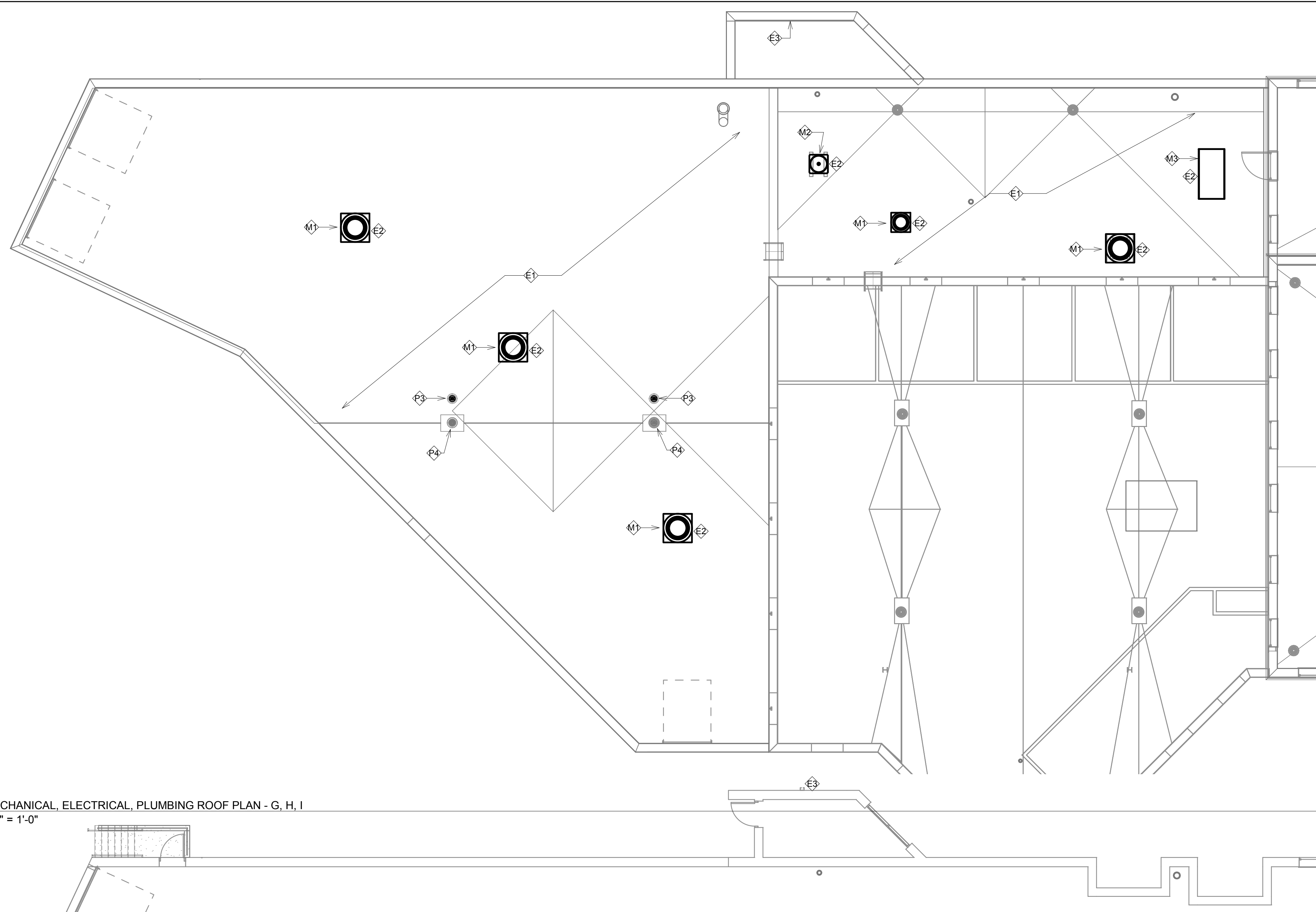
Revision# Description Date:	CONSULTANTS CIVIL: EHRHART GRIFFIN & ASSOCIATES Ehrhart Griffin & Associates 601 N Minnesota Ave Sioux Falls, SD 57104 Phone: 605-339-7215 STRUCTURAL: ERA ERICKSEN ROED & ASSOCIATES Ericksen Roed Associates 2550 University Ave W Suite 423-S St. Paul, MN 55402 Phone: 651-251-7570 MEP: DUNHAM ASSOCIATES, INC. 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 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, D, E, F	Phase CONSTRUCTION DOCUMENTS	Project Title SIOUX FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS	Project Number VA #VA #438-22-600 SGA #221926		
					Approved:	FOR OFFICIAL USE ONLY	Location SIOUX FALLS, SOUTH DAKOTA	Building Number 05		
							Issue Date 09-15-2023	Checked JRG	Drawn JG,TM,BZ	Drawing Number 05.MEP121

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one eighth inch = one foot
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A
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1 MECHANICAL, ELECTRICAL, PLUMBING ROOF PLAN - G, H, I
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- GENERAL NOTES:**
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 - B. WHERE APPLICABLE (FOR ANY INTERIOR STORM DRAIN PIPING SHOWN INSTALLED WITHIN BUILDINGS S AND SB). 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.
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 - 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**
- E1 ROUTE 8" OVERFLOW STORM DRAIN PIPE MAIN DOWN EXTERIOR WALL OF BUILDING, ADJACENT TO EXISTING STORM DRAIN RISER. EXTEND STORM DRAIN OUT THROUGH WALL AND TERMINATE WITH DOWNSPOUT NOZZLE. ZURN Z190-SS, WITH STAINLESS STEEL BIRD SCREEN. DISCHARGE ONTO CONCRETE SPLASH BLOCK. INSTALL DOWNSPOUT NOZZLE APPROXIMATELY 18" ABOVE GRADE. SECURE PIPING TO EXTERIOR WALL (EXPOSED) AND INSULATE ENTIRE LENGTH AS REQUIRED TO EACH OF THE TWO(2) ROOF DRAIN CONNECTIONS SHOWN.
 - E2 OFFSET STORM DRAIN PIPING AS REQUIRED TO GET BETWEEN EXISTING OBSTRUCTIONS IN THIS AREA. NOTE THAT THIS SPACE IS A WAREHOUSE WITHOUT CEILINGS AND WILL HAVE READILY AVAILABLE ACCESS FOR INSTALLATION OF SUPPORT HANGERS AND PIPING.
 - E3 PROVIDE NEW ROOF DRAIN, JOGAM MODEL Z1500-AE-03-23, OR EQUAL WITH DECK CLAMP AND RECEIVER (J35) AND ROUGH BRONZE DOME (J23). COORDINATE CORE DRILLING OF CONCRETE ROOF STRUCTURE AS REQUIRED. NOTE THAT OVERFLOW DRAINS SHALL ALSO BE PROVIDED WITH 2" EXTENSION COLLARS (-17).
 - E4 EXISTING DRAINS SHALL HAVE EXISTING DOWNS DRAINS REPLACED WITH BRONZE DOWNS (J23) TO MATCH NEW ROOF DRAINS. VERIFY FIT WITH CURRENT MANUFACTURER/MODEL. ALSO PROVIDE 2" EXTENSION COLLARS (-17) FOR DRAINS TO BE CONVERTED TO OVERFLOW. REFER TO NOTES ON FIRST FLOOR PLUMBING DRAWINGS.

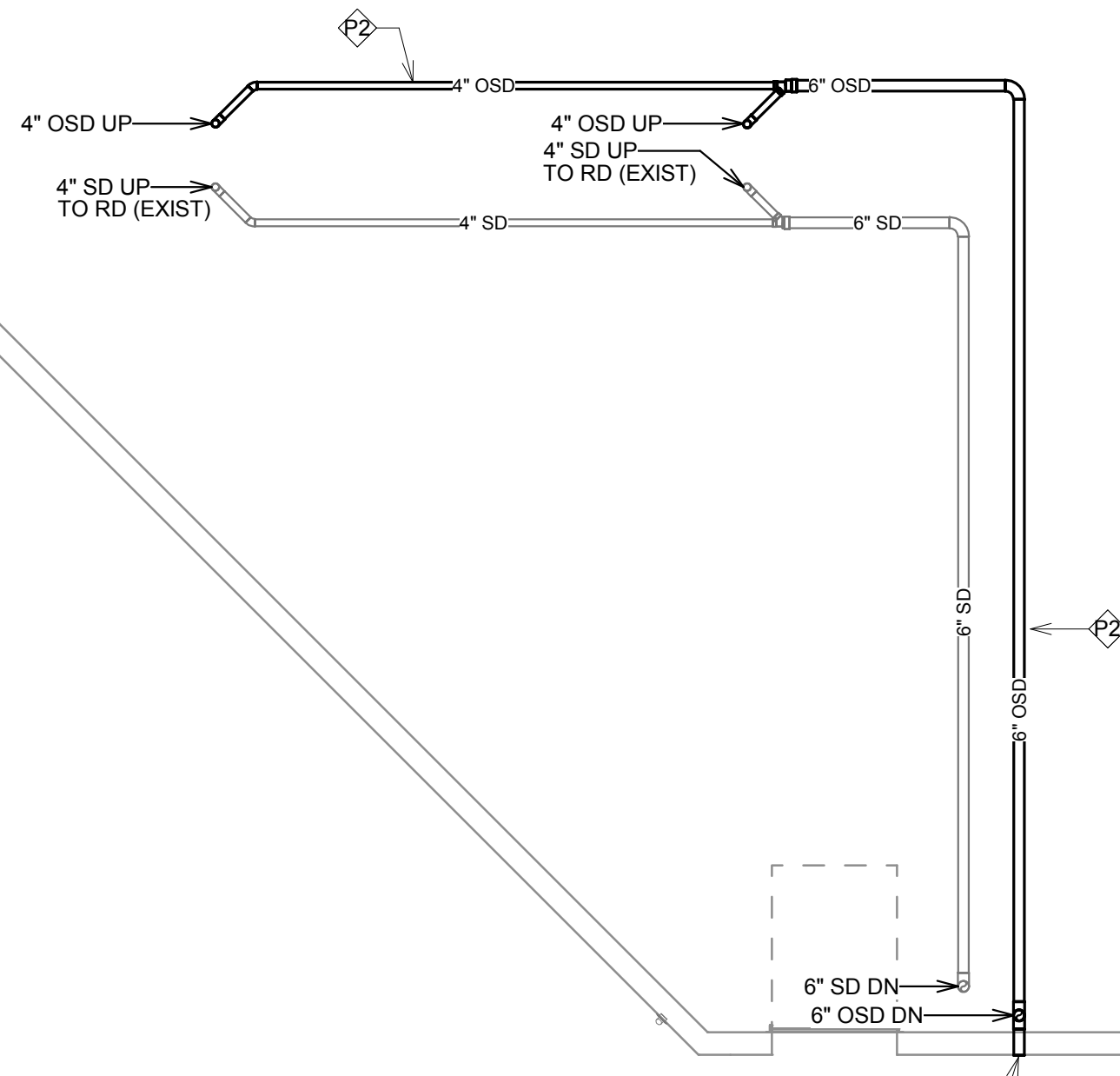
- KEY NOTES: MECHANICAL NEW WORK**
- M1 REINSTALL PRV FAN WITH CURB COUNTERFLASHING AND SEAL AIRTIGHT TO CURB. RECONNECT POWER AND CONTROL WIRING AND PERFORM START-UP TESTING FOR PROPER PERFORMANCE.
 - M2 REINSTALL PREVIOUS REMOVED SMALL CONDENSING UNIT WITH CURB COUNTERFLASHING ALONG WITH ANY ASSOCIATED RECLAIMED REFRIGERANT. PERFORM START-UP SERVICE TESTING FOR FUNCTIONALITY AND SUBMIT REPORT TO ENGINEER.
 - M3 REINSTALL INTAKE HOOD WITH CURB COUNTERFLASHING AND SEAL AIRTIGHT. REFER TO DEMOLITION DRAWING FOR COORDINATION OF ANY ASSOCIATED HVAC OUTAGES RESULTING FROM THIS REMOVAL/REPLACEMENT.

- KEY NOTES: ELECTRICAL NEW WORK**
- E1 RECONNECT LIGHTNING PROTECTION SYSTEM TO MATCH EXISTING CONDITIONS. VERIFY AIR TERMINAL CONNECTIONS AND ROOF PENETRATIONS SEALED AND FLASHED BY ROOFING CONTRACTOR.
 - E2 RECONNECT ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT. MODIFY EXISTING FEEDER AS REQUIRED.
 - E3 PROVIDE SELF-REGULATING HEATING CABLE WITH BRAID AND TEFLON STABILIZED POLYOLEFIN JACKET, CHROMALOX MODEL SRF-180T 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.
 - E4 APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL. ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL CEILING REMOVAL AND REPLACEMENT TO ROUTE CONDUIT WITHIN BUILDING TO EACH LOCATION INDICATED BY KEY NOTE #E3 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.

9/14/2023 8:39:02 AM

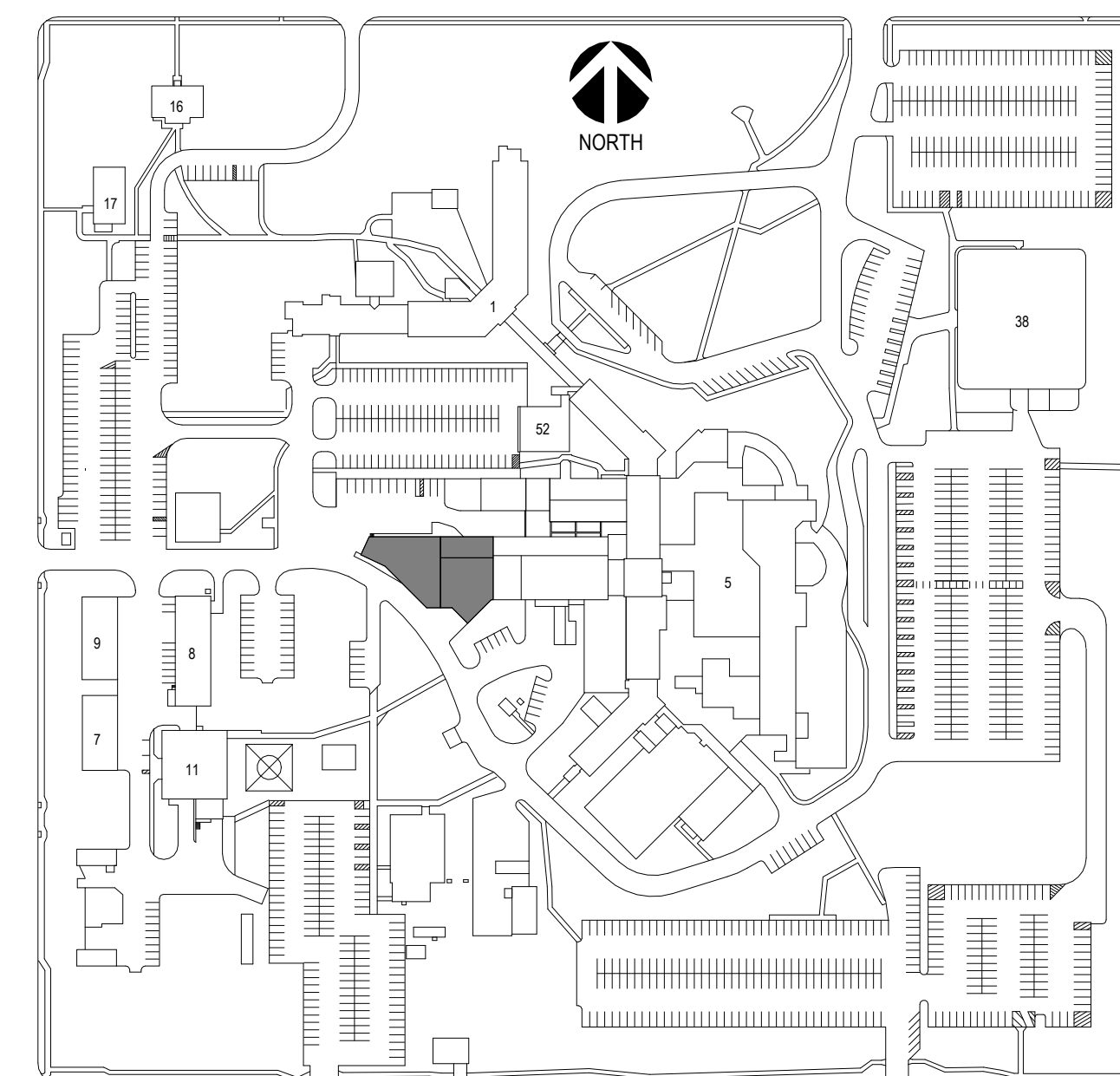


3 MECHANICAL, ELECTRICAL, PLUMBING GROUND FLOOR PLAN - G, H, I
1/8" = 1'-0"



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

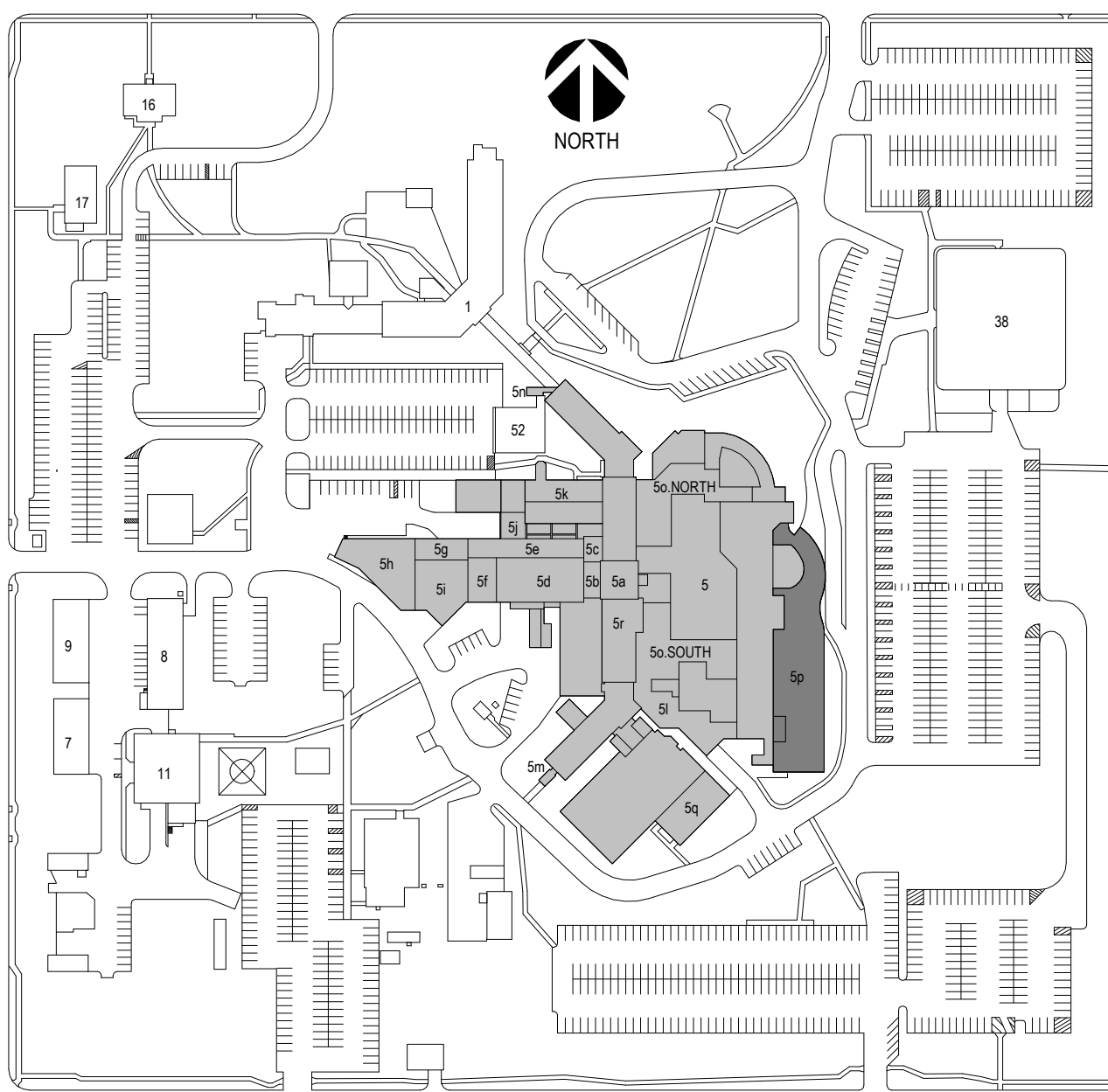
CAMPUS BUILDING KEY PLAN



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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
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

CAMPUS BUILDING KEY PLAN



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 5 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.
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KEY NOTES: PLUMBING NEW WORK

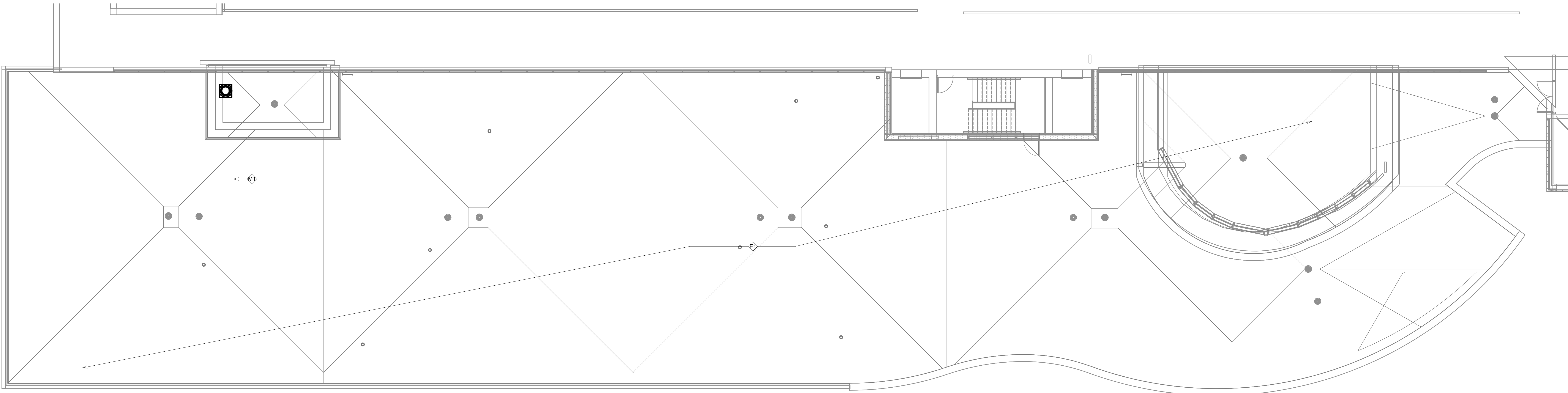
NO PLUMBING WORK ANTICIPATED FOR THIS DRAWING.

KEY NOTES: MECHANICAL NEW WORK

- M1) REINSTALL PRV FAN WITH CURB COUNTERFLASHING AND SEAL AIRTIGHT TO CURB. RECONNECT POWER AND CONTROL WIRING AND PERFORM START-UP TESTING FOR PROPER PERFORMANCE.

KEY NOTES: ELECTRICAL NEW WORK

- E1) RECONNECT LIGHTNING PROTECTION SYSTEM TO MATCH EXISTING CONDITIONS. VERIFY AIR TERMINAL CONNECTIONS AND ROOF PENETRATIONS SEALED AND FLASHED BY ROOFING CONTRACTOR.



1 MECHANICAL, ELECTRICAL, PLUMBING ROOF PLAN - P.UPPER
1/8" = 1'-0"



Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Revision#	Description	Date:

CONSULTANTS

CIVIL:
EHRHART GRIFFIN & ASSOCIATES
Ehrlhart Griffin & Associates
601 N Minnesota Ave
Sioux Falls, SD 57104
Phone: 605-339-7215

STRUCTURAL:
ERA ERICKSEN ROED & ASSOCIATES
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

Drawing Title
M/E/P ROOF PLAN - P.UPPER

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

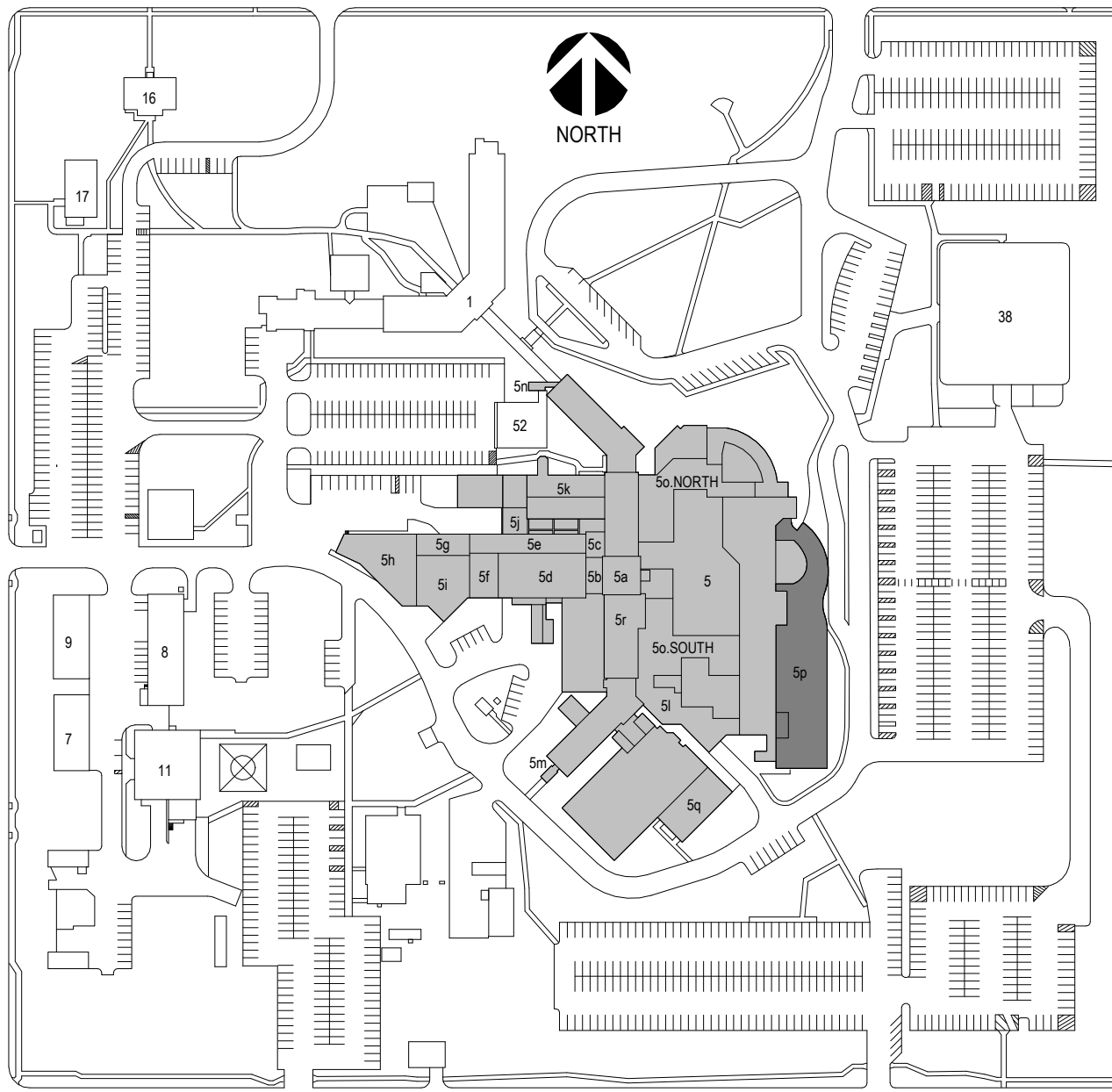
Building Number
05

Drawing Number

05.MEP126

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CAMPUS BUILDING KEY PLAN



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KEY NOTES: PLUMBING NEW WORK

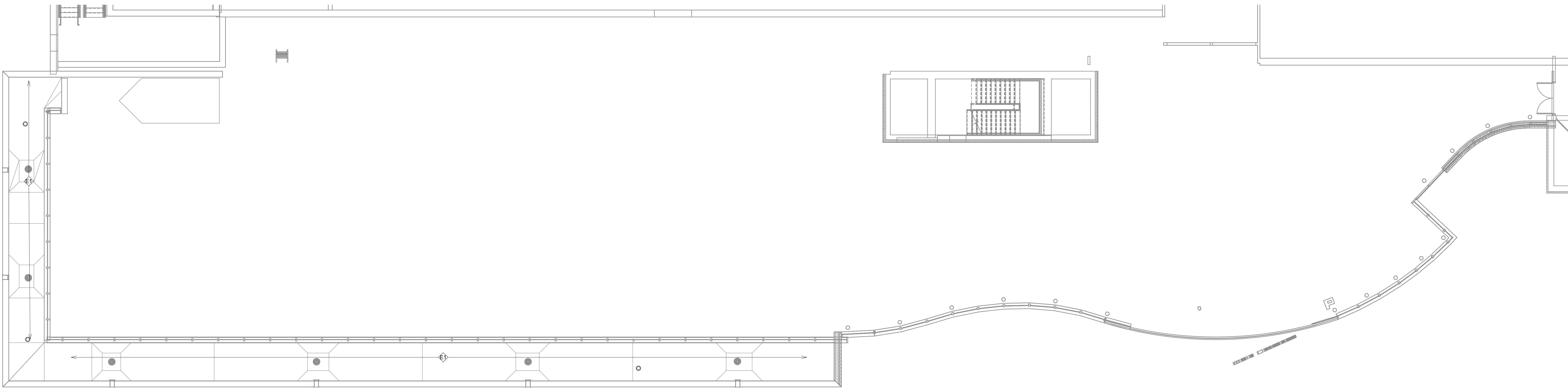
NO PLUMBING WORK ANTICIPATED FOR THIS DRAWING.

KEY NOTES: MECHANICAL NEW WORK

NO MECHANICAL WORK ANTICIPATED FOR THIS DRAWING.

KEY NOTES: ELECTRICAL NEW WORK

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1 MECHANICAL, ELECTRICAL, PLUMBING ROOF PLAN - P.LOWER
1/8" = 1'-0"

Revision#	Description	Date:

CONSULTANTS

CIVIL:
EHRHART GRIFFIN & ASSOCIATES
Ehrhart Griffin & Associates
601 N Minnesota Ave
Sioux Falls, SD 57104
Phone: 605-339-7215

STRUCTURAL:
ERA ERICKSEN ROED & ASSOCIATES
Ericksen Roed Associates
2550 University Ave W
Suite 423-S
St. Paul, MN 55402
Phone: 651-251-7570

MEP:
DUNHAM
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Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
M/E/P ROOF PLAN - P.LOWER

Approved:

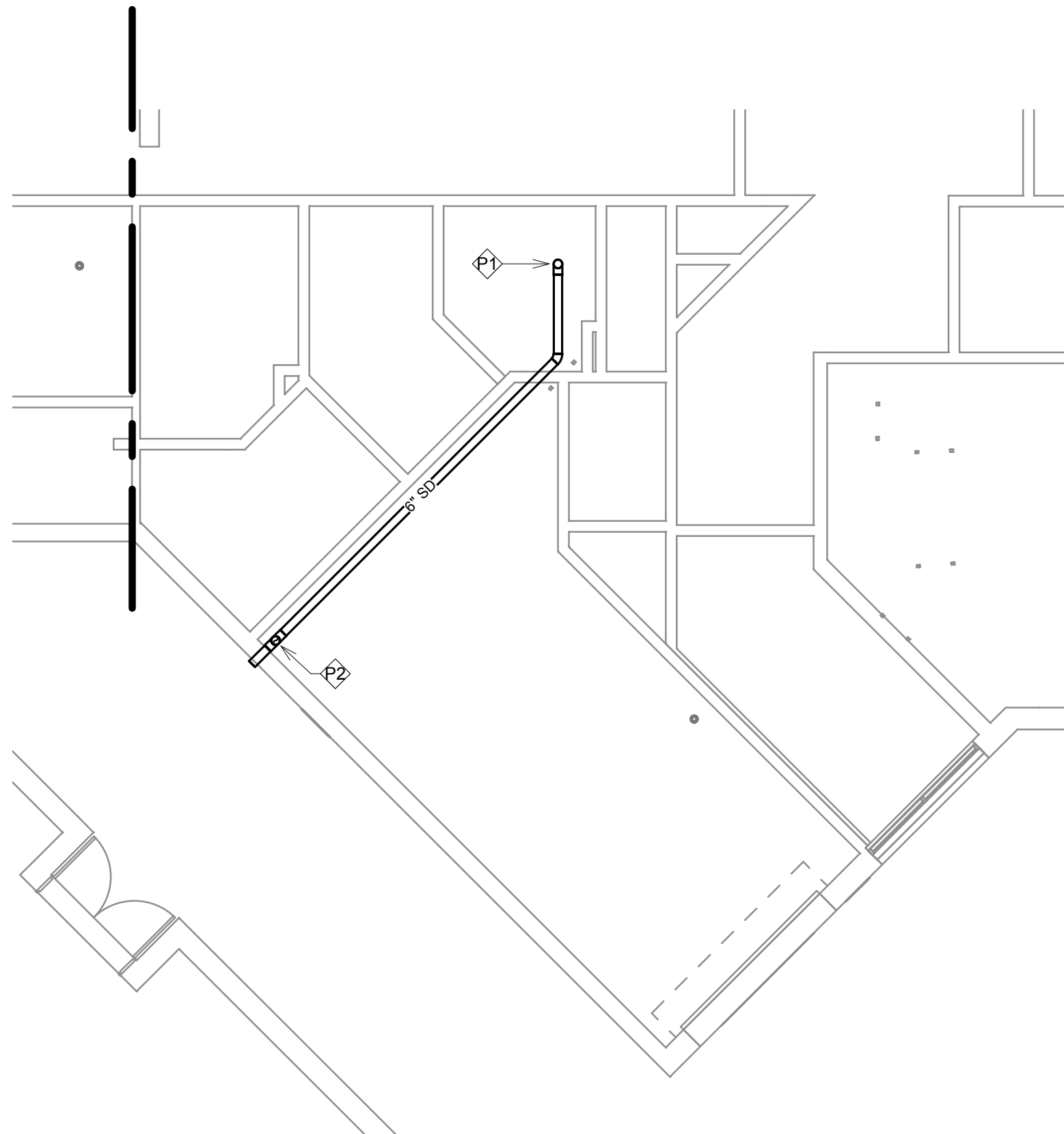
Phase
CONSTRUCTION
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FOR OFFICIAL USE ONLY

Project Title
SIOUX FALLS VA HEALTH CARE
SYSTEM CAMPUS IMPROVE
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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
05
Drawing Number
05.MEP127



NORTH

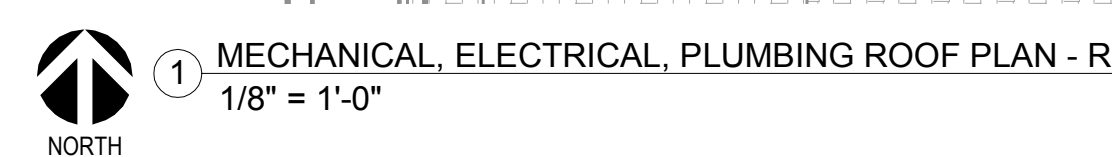
- A. MECHANICAL CONTRACTOR SHALL REFER TO SPECIFICATION MANUAL, EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS, AND ALL COMMENTS TO THE SPECIFICATIONS TO THE PROJECT MANUAL, IN ADDITION TO ALL NOTES AND DESCRIPTIONS INDICATED WITHIN THESE DRAWINGS, ANY CONFLICTS BETWEEN THOSE DOCUMENTS SHOULD 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 PIPING WITH ALL EXISTING PIPING, INCLUDING ALL EXISTING PIPING, CLEARANCES FOR ELECTRICAL CONDUIT, HVAC DUCTWORK & PIPING, STRUCTURAL SUPPORTS, ETC. PROVIDE ALL OFFSETS & TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION.
- C. NOTE THAT ANY INTERIOR STORM DRAIN, AND OVERFLOW STORM DRAIN, MUST BE FULLY DRAIN TO THE EXISTING STORM DRAIN 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 FOR UNDESIRABLE PIPING SHALL BE IDENTIFIED BY THE MECHANICAL 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 REPLACE WITH NEW REPAIRS TO MATCH THE ORIGINAL FUNCTIONALITY.
- G. COORDINATE ALL NEW ROOF DRAIN INSTALLATIONS. CONFIRM REQUIRED SIZE OF PENETRATION THROUGH STRUCTURAL ROOF TO BE DRILLED OR CUT BY THE CONTRACTOR. INSTALL AROUND DRAIN BODY AND FLANGE AN IMPERMEABLE 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 AND PROVIDE TO THE CONTRACTOR FOR REVIEW AND APPROVAL BY THE 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 GROUND. REFER TO SECTION 05410 FOR DETAILS. 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 REVISIONS WILL BE SHOWN ON THE RECORD DRAWINGS.

- ⑥ 6" OVERFLOW DRAIN UP TO NEW STORM DRAIN (OR ORD) ABOVE. REFER TO DRAWING DETAIL 1055 MP/2F FOR CONTINUATION.
- ⑦ ROUTE R DRAINING STORM DRAIN PIPE MAIN DOWN EXTERIOR WALL OF BUILDING. EXTEND DOWN EXTERIOR WALL OF BUILDING THROUGH WALL AND TERMINATE WITH DOWNSPOUT NOZZLE. TURN 1/8" SLOPE WITH STAINLESS STEEL BIRD SCREEN. DISCHARGE ONTO CONCRETE CURB. SPREAD AND APPROXIMATELY 12" ABOVE GRADE.
- ⑧ PROVIDE NEW ROOF DRAIN, (JOSAM MODEL 21550-AE) OR EQUAL WITH DECK CLAMP AND RECEIVER (33) AND BRONZE DRAINAGE DOWNSPOUT. COORDINATE PENETRATION OF METAL DECK ROOF STRUCTURE AS REQUIRED. NOTE THAT OVERFLOW DRAIN SHALL ALSO BE PROVIDED WITH 2" EXHUSION COLLARS (14).
- ⑨ EXISTING DRAINS SHALL HAVE EXISTING DOWNS REPLACED WITH BRONZE DOWNS (-23) TO MATCH NEW ROOF DRAINS. VERIFY FIT WITH CURRENT MANUFACTURER/MODEL. ALSO PROVIDE 2" EXHUSION COLLARS (17) FOR DRAINS TO BE CONVERTED TO OVERFLOW. REFER TO NOTES ON FIRST FLOOR PLUMBING DRAWINGS.

REFER TO DEMOLITION DRAWING 05.MEPD128 INDICATING CRANE REMOVAL AND TEMPORARY TRAFFIC OFF SITE OF THESE LARGE AIR-COOLED CHILLERS. PROVIDE ALL NEW ROOF RAILS ONCE THE ROOF MECH. HAS BEEN REMOVED. THE MINIMUM HEIGHT OF RAILS SHALL BE A MINIMUM OF 22" HIGH TO ACCOMMODATE ROOF INSULATION. CONTRACTOR TO VERIFY ADEQUATE SUPPORT LOCATIONS, AND WEIGHTS AT THOSE POINT LOADS; FOR THESE SPREADER CHILLERS, THE SHIP OR BULKHEADS WILL BE PROVIDED FOR VERIFICATION AND REFERENCE. ONCE ROOFING WORK OVER NEW SUPPORT RAILS AS COMPLETED, THE MECHANICAL CONTRACTOR WILL PROVIDE A SECOND CRANE PICK PLANS TO PUT THE MECH. BACK INTO THE BUILDING. PROVIDE PICKING MARKING MODIFICATION TO ACCOUNT FOR SLIGHTLY ELEVATED POSITION.

NO ELECTRICAL WORK ANTICIPATED FOR THIS DRAWING.

A FORM 08 - 6231



NORTH

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

- A. MECHANICAL CONTRACTOR SHALL REFER TO SPECIFICATION MANUAL EDITED FOR THIS PROJECT ALONG WITH ANY APPLICABLE STANDARDS. ALL CONFLICTS MUST BE RESOLVED BY THE ARCHITECT. THE CONTRACTOR SHALL 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 SHOWING INSTALLED WITHIN BUILDINGS 5 AND 38), COORDINATE ALL NEW PIPING ROUTING WITH ALL OTHER EXISTING UTILITIES TO ENSURE ADEQUATE CLEARANCE FOR ELECTRICAL, MECHANICAL, PLUMBING, 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 INSTALLED TO THE EXTERIOR OF THE BUILDING 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-IN SHALL BE VERIFIED PRIOR TO REMOVAL AND REPLACEMENT. THE CONTRACTOR SHALL VERIFY THE EXISTING LOCATION OF THE EQUIPMENT.
- 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 REPLACE WITH NEW PRODUCT OF THE SAME QUALITY.
- G. COORDINATE ALL NEW ROOF DRAIN INSTALLATIONS. CONFIRM REQUIRED SIZE OF PENETRATION THROUGH STRUCTURAL ROOF TO BE DRILLED OR CUT BY THE CONTRACTOR. INSTALL AROUND DRAIN BODY AND FLANGE AN APPROPRIATE TYPE OF 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 AND OMAHA TO BE REVIEWED BY THE PROJECT'S SPECIALTY OFFICERS FOR DISPERSED 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 SLABS AND GRAVEL. REFER TO SCHEDULE FOR THE LOCATION OF CLEANOUTS, 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. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE ACCURACY OF ALL DRAWINGS.

NO PLUMBING WORK ANTICIPATED FOR THIS DRAWING.

NO MECHANICAL WORK ANTICIPATED FOR THIS DRAWING.

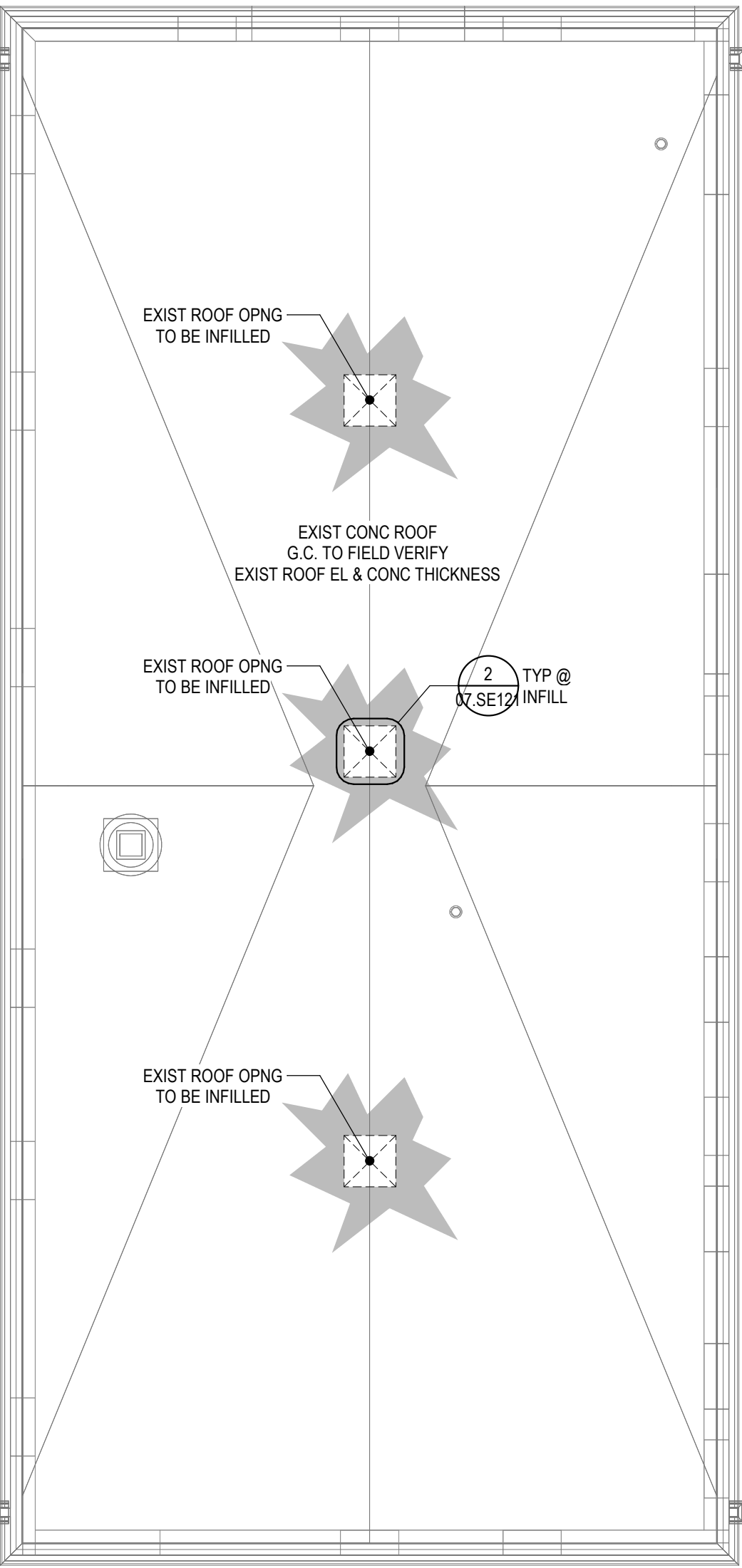
- ④ RECONNECT LIGHTNING PROTECTION SYSTEM TO MATCH EXISTING CONDITIONS. VERIFY AIR TERMINAL CONNECTIONS AND ROOF PENETRATIONS SEALED AND FLASHED BY ROOFING CONTRACTOR.
- ⑤ PROVIDE SELF-REGULATING HEATING CABLE WITH BRAID AND TEFLON STABILIZED POLYOLEFIN JACKET, CHROMALOX MODEL SRP-1RSF OR EQUAL, WITH AN ALL-WEATHER, UL LISTED, 120V, 10A, 1250W HEATING DOWNSPOUTS. START CABLEING FROM POINT INDICATED THROUGH HORIZONTAL GUTTER, AND INCLUDE DOWNSPOUT HANGERS TO SUPPORT CABLE DOWNSPOUT. CONTRACTOR TO VERIFY LENGTHS OF CABLE REQUIRED AND PROVIDE ALL POWER CONNECTION KITS FOR FINAL CONNECTION BY ELECTRICIAN. CONTRACTOR TO PROVIDE CABLE LENGTHS REQUIRED BY NEC AND SIZE PER MANUFACTURER MAXIMUM CIRCUIT LENGTHS REQUIREMENTS. PROVIDE DEDICATED CIRCUIT FROM NEAREST SOURCE.
- ⑥ APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL ON FORTH FLOOR (464 AND 487 HALLWAY). ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL CEILING REMOVAL AND REPLACEMENT TO ROUTE CONDUIT WITHIN BUILDING TO EACH LOCATION INDICATED BY KEY NOTE #22 AND ABOVE. CONTRACTOR TO VERIFY ALL CONDITIONS AS REQUIRED. COORDINATE ACCESS TO BUILDING AREAS REQUIRED TO PERFORM WORK A MINIMUM OF 2 WEEKS IN ADVANCE AND COMPLY WITH ALL VA INSPECTION CONTROL REQUIREMENTS.
- ⑦ ROUTE HEATING CABLE DOWN WITH VERTICAL DOWNSPOUT. SUPPORT TO TOP OF DOWNSPUT. TERMINATE HEATING CABLE (RDK-1) AND TERMINATE ABOVE POINT OF DISCHARGE WITH END SEAL KIT (RG-K-1).

			CONSULTANTS CIVIL:  EHRHART GRIFFIN & ASSOCIATES Ehnhart Griffin & Associates 601 N. Minnesota Ave. Sioux Falls, SD 57104 Phone: 605-339-7215		STRUCTURAL:  ERA ERICKSEN ROED & ASSOCIATES Ericksen Roed Associates 550 University Ave W Suite 423 S St. Paul, MN 55402 Phone: 651-251-7570		MEP:  DUNHAM Dunham Associates, Inc. 550 University Ave W Suite 1100 Minneapolis, MN 55402 Phone: 651-465-7500		ARCHITECT OF RECORD  STONE 6 GROUP ARCHITECTS Stone Group Architects, Inc. 600 East 7th Street Sioux Falls, SD 57103 Phone: 605-271-1144		STAMP 		Office of Construction and Facilities Management  U.S. Department of Veterans Affairs		Drawing Title M/E/P ROOF PLAN - R 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 05 Drawing Number 05.MEP129	
Revision#	Description	Date:																								

1
2
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10

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
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

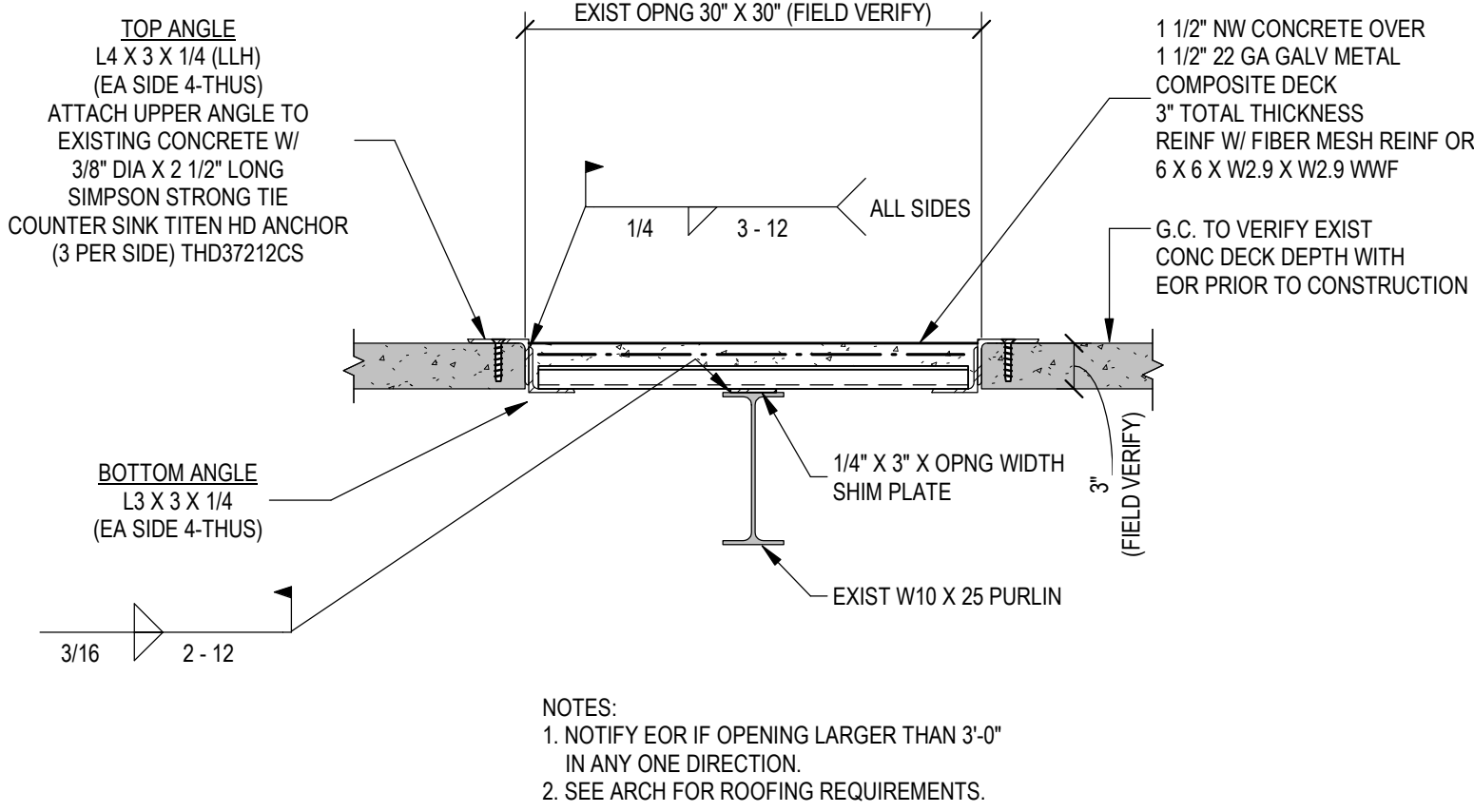
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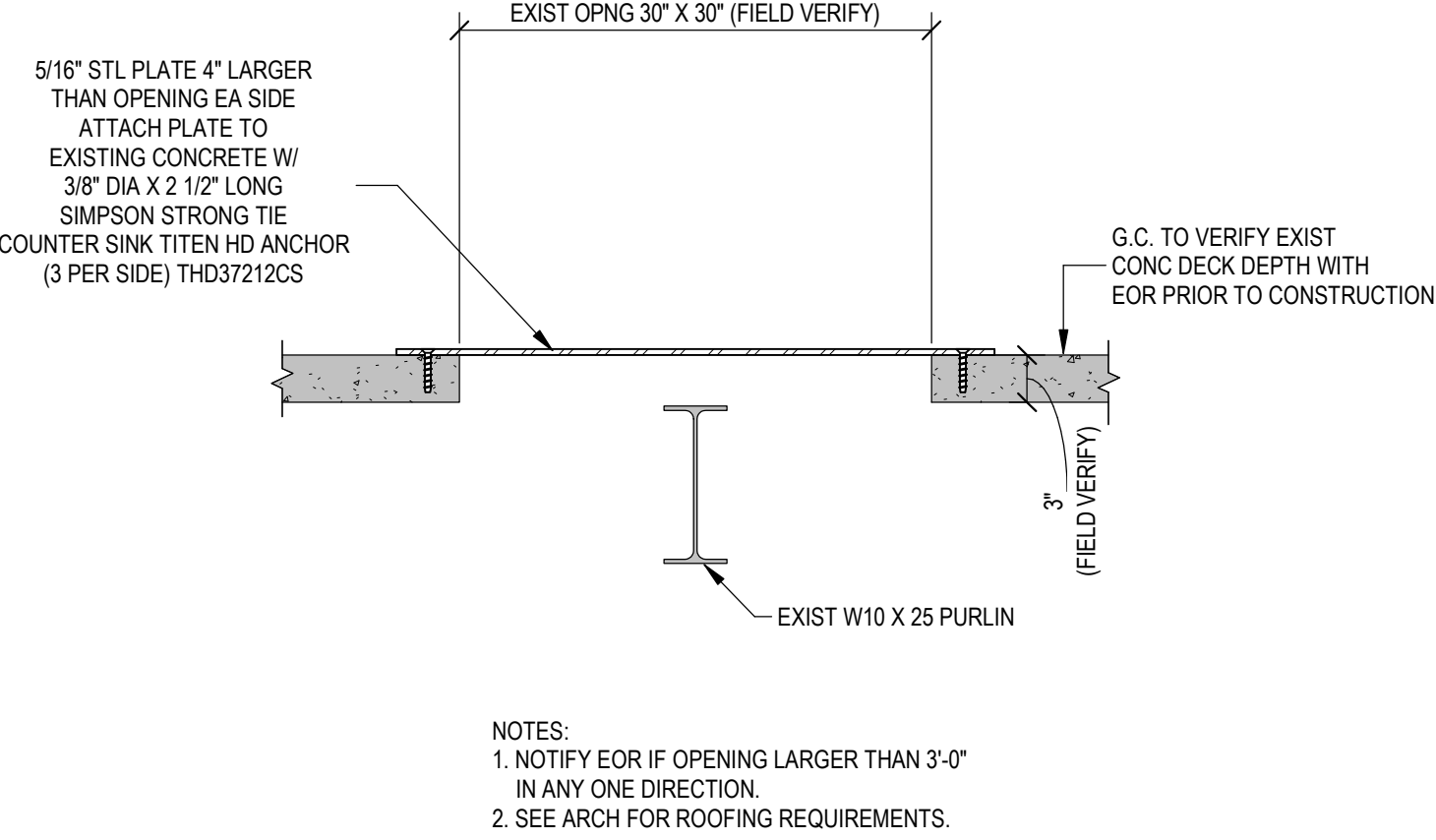
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07.SE121 1/8" = 1'-0"

ROOF PLAN - 7

INFORMATION ON THIS PLAN REGARDING EXISTING STRUCTURE WAS TAKEN FROM EXISTING CONSTRUCTION DOCUMENTS. ACTUAL FIELD CONDITION MAY VARY FROM WHAT IS SHOWN. ALL DIMENSIONS, ELEVATIONS AND CONDITIONS OF EXISTING STRUCTURE TO BE FIELD VERIFIED PRIOR TO FABRICATION.



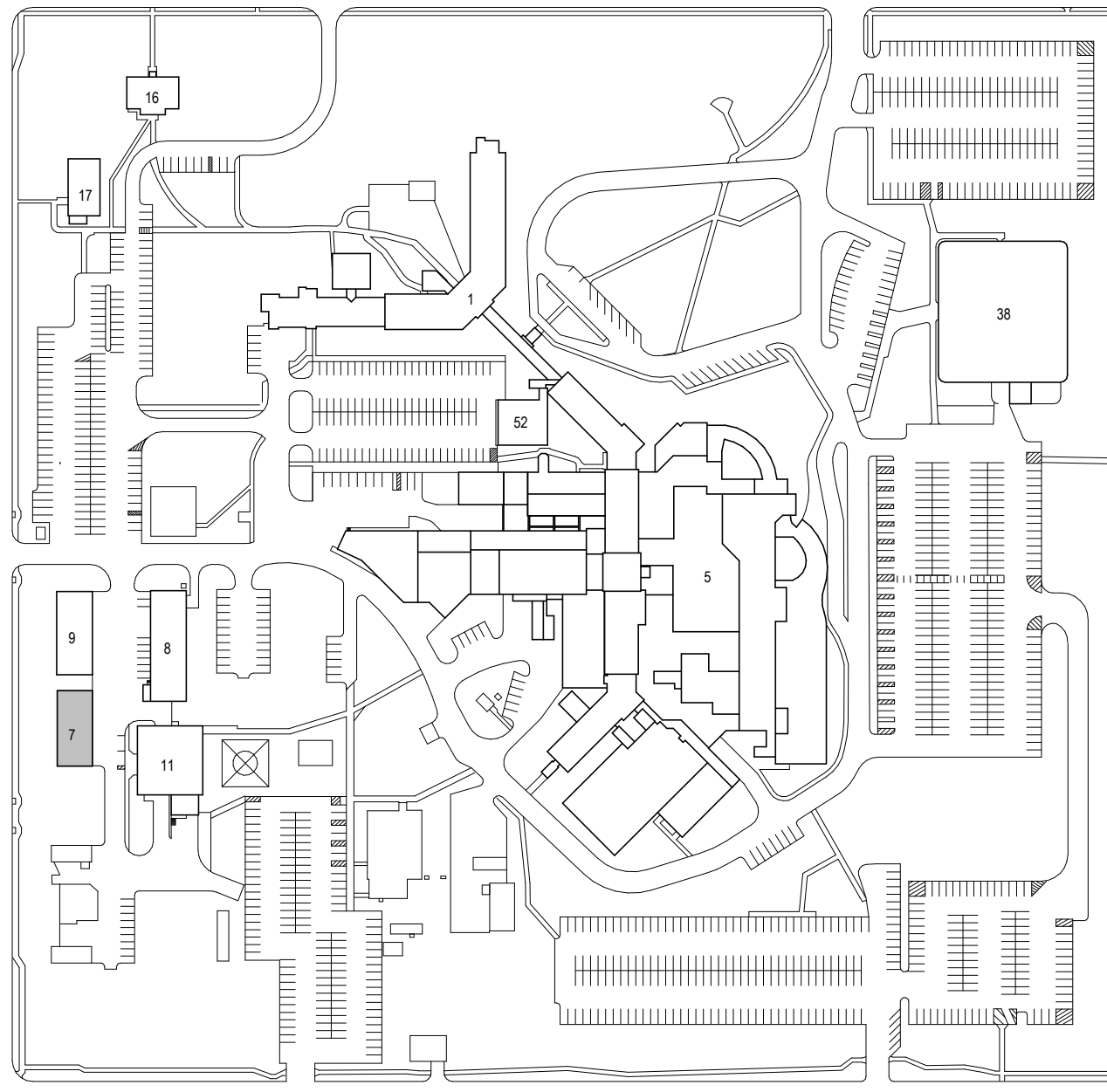
BUILDING 7 ROOF OPENING - OPTION A CONCRETE OVER METAL DECK INFILL IN EXISTING CONCRETE DECK



BUILDING 7 ROOF OPENING - OPTION B METAL PLATE INFILL OVER EXISTING CONCRETE DECK

2
07.SE121 1" = 1'-0"

SECTION/ DETAIL



KEY PLAN
1" = 200'-0"

Revision #	Description	Date:
1		

CONSULTANTS

CIVIL:
EHRHART GRIFFIN & ASSOCIATES
601 N Minnesota Ave
Sioux Falls, SD 57104
Phone: 605-339-7215

STRUCTURAL:
ERA
STRUCTURAL ENGINEERING
2550 University Ave., W.
Suite 423-S
St. Paul, MN 55114
651.251.7570
www.eraeng.com

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

1609
STEPHEN
CLARK
ARCHITECT
9/15/2023

Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
STRUCTURAL - ROOF PLAN & DETAILS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

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

Location
SIOUX FALLS, SOUTH DAKOTA

Issue Date
09-15-2023

Checked
TDN

Drawn
CS/MJD

Project Number
VA #438-22-600
ERA #20221954

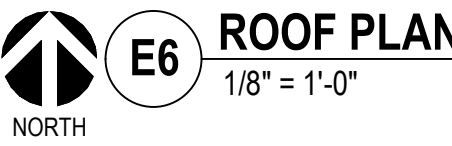
Building Number
07

Drawing Number
07.SE121

A. PROTECT ALL EXISTING UTILITIES.
B. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AT THE PROJECT SITE.
C. PATCH REMAINING EXISTING CONSTRUCTION, AFFECTED BY DEMOLITION, TO MATCH EXISTING
D. U.O.N.
E. EXISTING ITEMS TO REMAIN ARE SHOWN AS HALFTONE.
F. DEMO ITEMS ARE SHOWN AS DASHED.
SEE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
RELEVANT TO DEMOLITION & PATCHING.

A. PROVIDE SEALANT AT ALL JOINTS BETWEEN DIFFERENT MATERIALS, TRANSITIONS, AND
ACCORDING TO INDUSTRY STANDARDS AND MANUFACTURER'S SPECIFICATIONS.

B. ROOF SHALL MATCH EXISTING SLOPE U.O.N.

FORM 08 - 6231

CONSULTANTS

CIVIL:

 **EHRHART GRIFFIN & ASSOCIATES**

Ehrhart Griffin & Associates

STRUCTURAL:
ERA
ERICKSEN ROED
& ASSOCIATES
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

Office of
Construction
and Facilities
Management

VA | U.S. Department
of Veterans Affairs

ARCHITECTURAL - ROOF PLAN

CONSTRUCTION DOCUMENTS

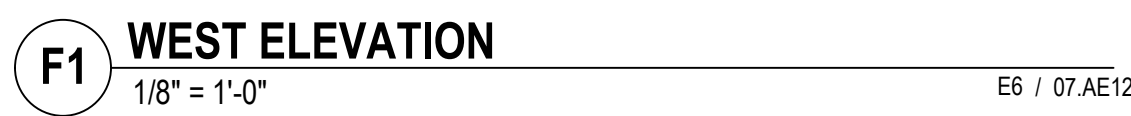
Project title	SIOUX FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS
Location	SIOUX FALLS, SOUTH DAKOTA

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

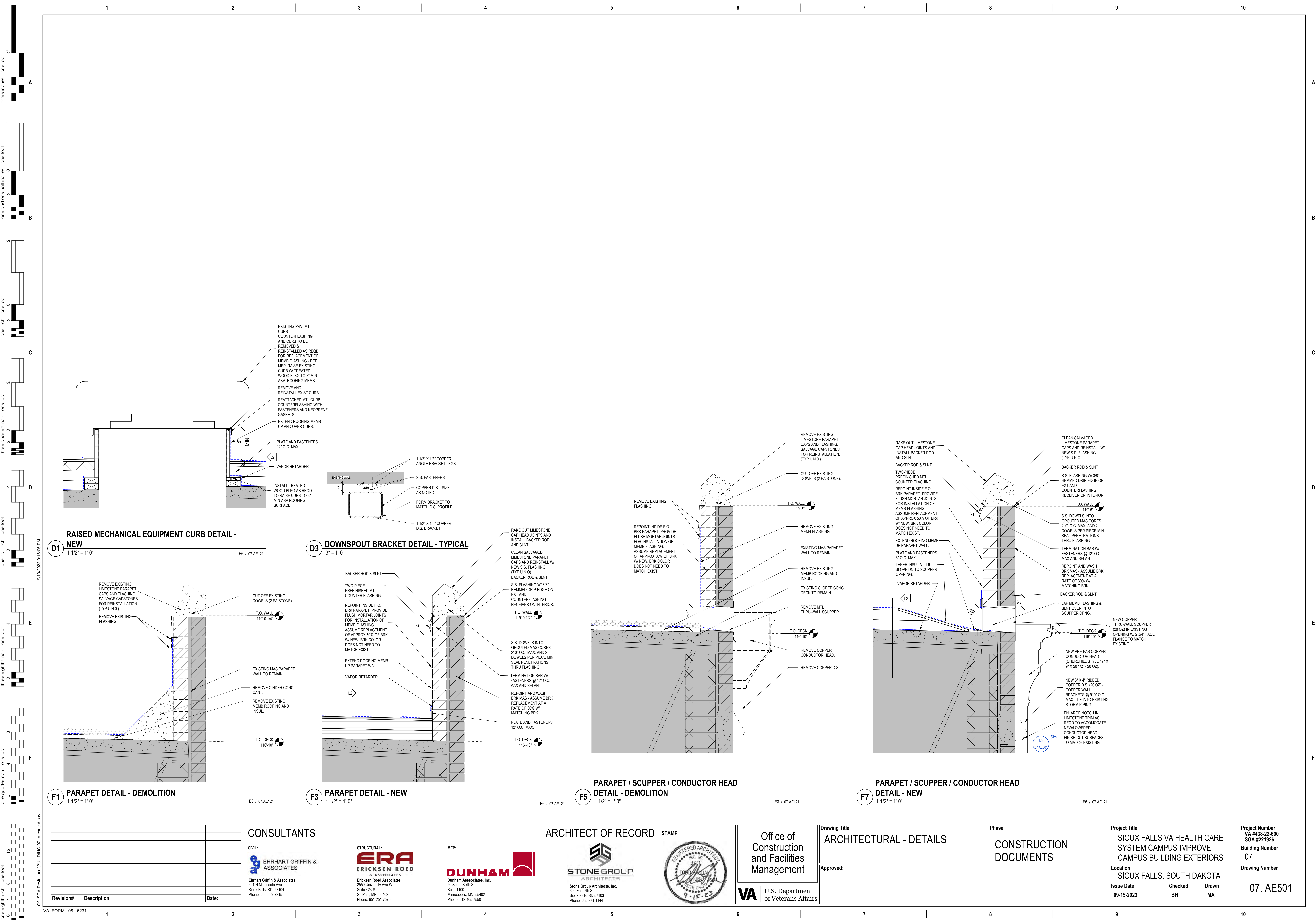
Building Number
07

Drawing Number
07. AE1

KEYNOTES_SGA	
Key Value	Keynote Text
1	MAS CONTROL JOINT W/ COMPRESSIBLE JOINT FILLER, BACKER ROD AND SLNT.
13	SAWCUT NEW CONTROL JOINT IN BRK AND INSTALL COMPRESSIBLE JOINT FILLER, BACKER ROD AND SLNT.
58	ENLARGE NOTCH IN LIMESTONE TRIM AS REQ TO ACCOMMODATE NEW/LOWERED CONDUCTOR HEAD. FINISH CUT SURFACES TO MATCH EXISTING.
9F	REPORT AND WASH BRK MAS - ASSUME BRK REPLACEMENT AT A RATE OF 30% W/ MATCHING BRK.
10	CLEAN EXISTING LIMESTONE PARAPET CAPS AND TRIM.
2C	REMOVE EXISTING LIMESTONE PARAPET CAPS AND FLASHING. SALVAGE CAPSTONES FOR REINSTALLATION. CLEAN SALVAGE LIMESTONE PARAPET CAPS AND REINSTALL W/ NEW S.S. FLASHING. TYPICAL.
10C	RAKE OUT LIMESTONE CAP HEAD JOINTS AND INSTALL BACKER ROD AND SLNT.
9B	REMOVE COPPER CONDUCTOR HEAD.
9C	REMOVE COPPER D.S.
9E	REMOVE COPPER THRU-WALL SCUPPER.
9F	NEW COPPER THRU-WALL SCUPPER (20 OZ) IN EXISTING OPENING W/ 3 3/4" FACE FLANGE TO MATCH EXISTING.
9G	NEW PRE-FAB COPPER CONDUCTOR HEAD (CIRCULAR STYLE 17" X 9" X 12" - 20 OZ.
9H	NEW 1/4" X 8" RIBBED COPPER D.S. (20 OZ) - COPPER WALL BRACKETS 8 1/2" O.C. MAX. TIE TO EXISTING STORM DRAIN.



A FORM 08 - 6231									
1	2	3	4	5	6	7	8	9	10



C:_SGA Rent Local\BUILDING 07 Michael\A5.vrt

Revision#	Description	Date:

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

ARCHITECT OF RECORD	
Stone Group Architects, Inc. 600 East 7th Street Sioux Falls, SD 57103 Phone: 605-271-1144	

Office of Construction and Facilities Management	U.S. Department of Veterans Affairs
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Drawing Title	ARCHITECTURAL - DETAILS
Approved:	

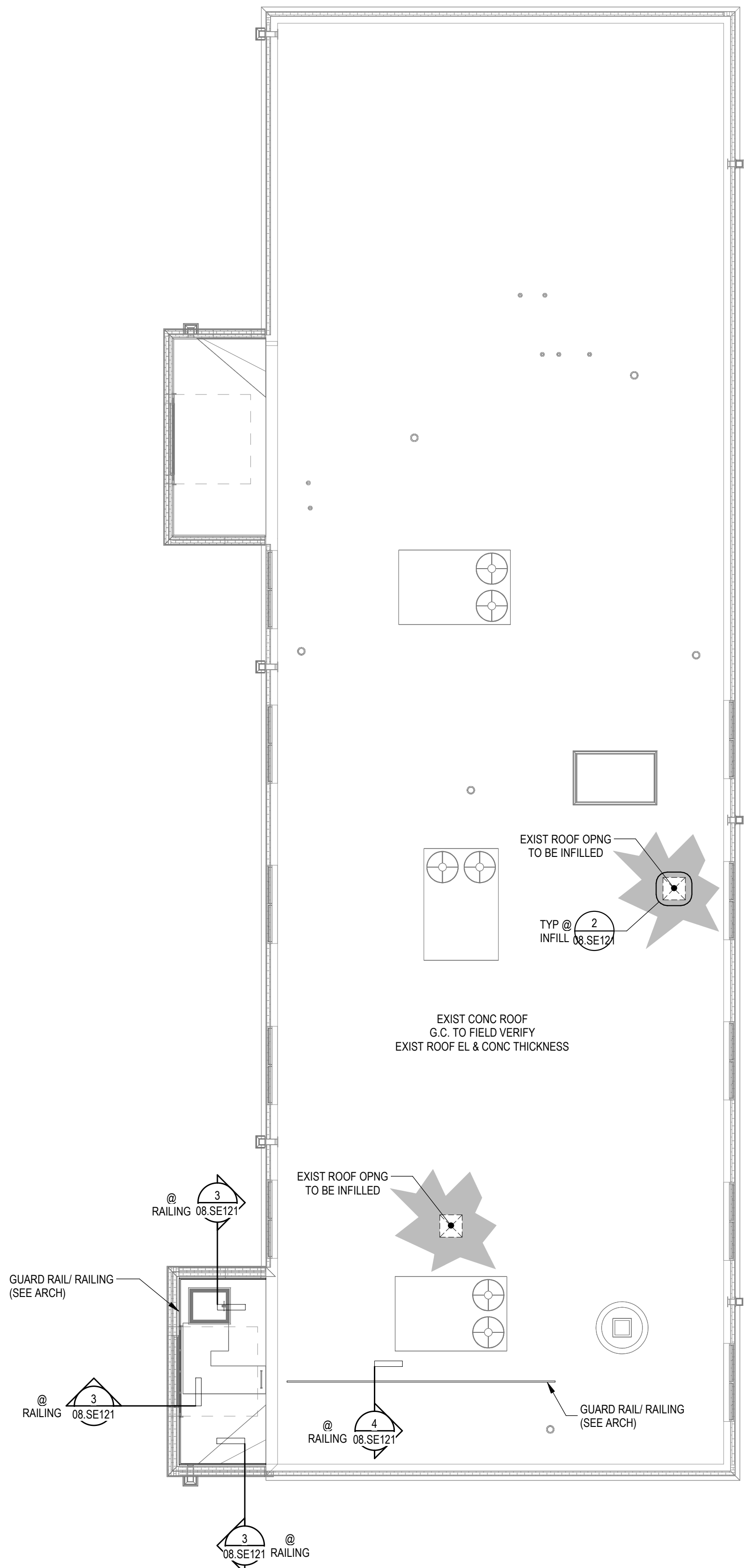
Phase	CONSTRUCTION DOCUMENTS
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Project Title	SIoux FALLS VA HEALTH CARE SYSTEM CAMPUS IMPROVE CAMPUS BUILDING EXTERIORS
Location	SIoux FALLS, SOUTH DAKOTA
Issue Date	09-15-2023
Checked	BH
Drawn	MA

Project Number	VA #438-22-600 SGA #221926
Building Number	07
Drawing Number	07. AE501

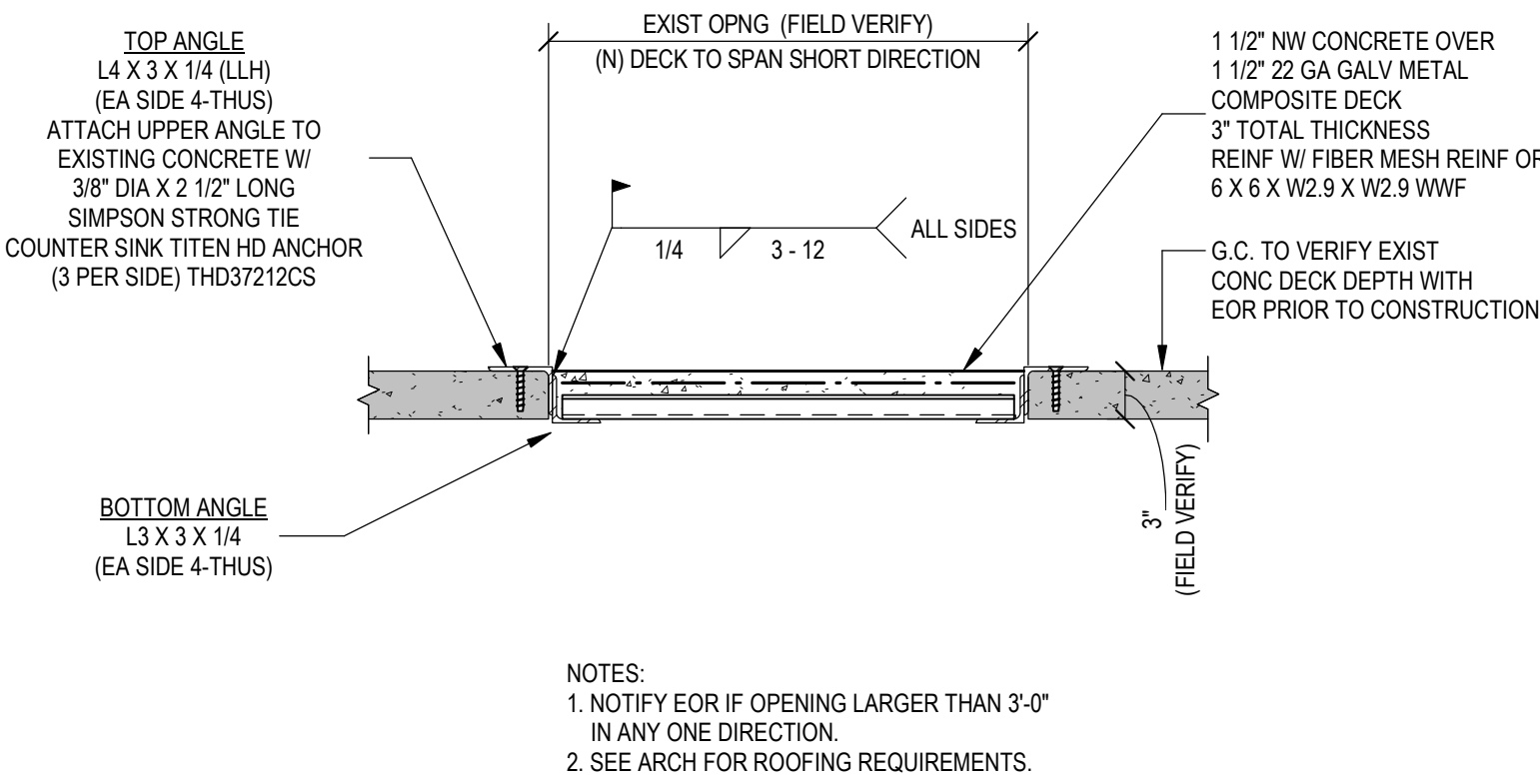
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three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot

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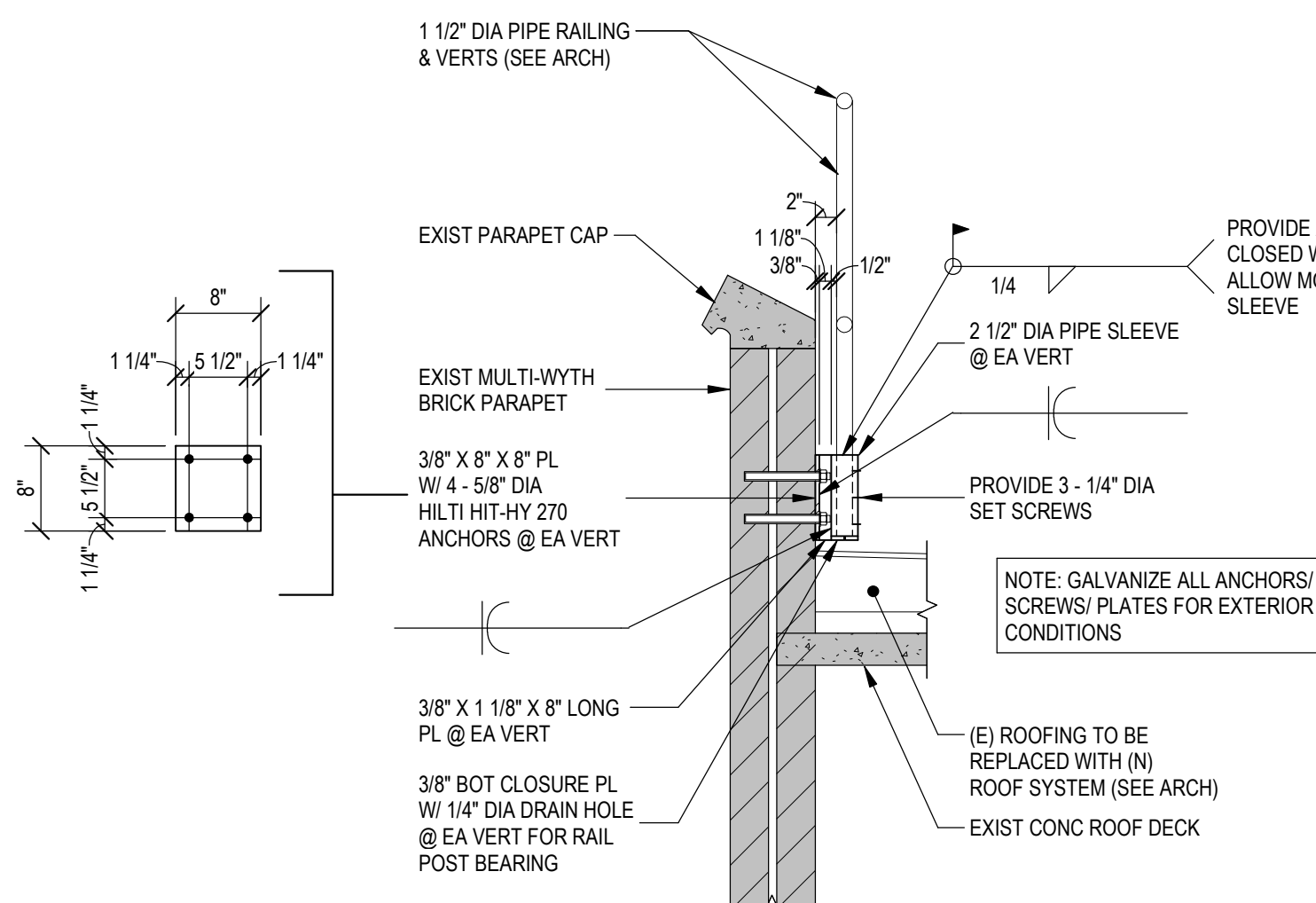
1 ROOF PLAN - 8
08.SE121 1/8" = 1'-0"

INFORMATION ON THIS PLAN REGARDING EXISTING STRUCTURE WAS TAKEN FROM EXISTING CONSTRUCTION DOCUMENTS. ACTUAL FIELD CONDITION MAY VARY FROM WHAT IS SHOWN. ALL DIMENSIONS, ELEVATIONS AND CONDITIONS OF EXISTING STRUCTURE TO BE FIELD VERIFIED PRIOR TO FABRICATION.

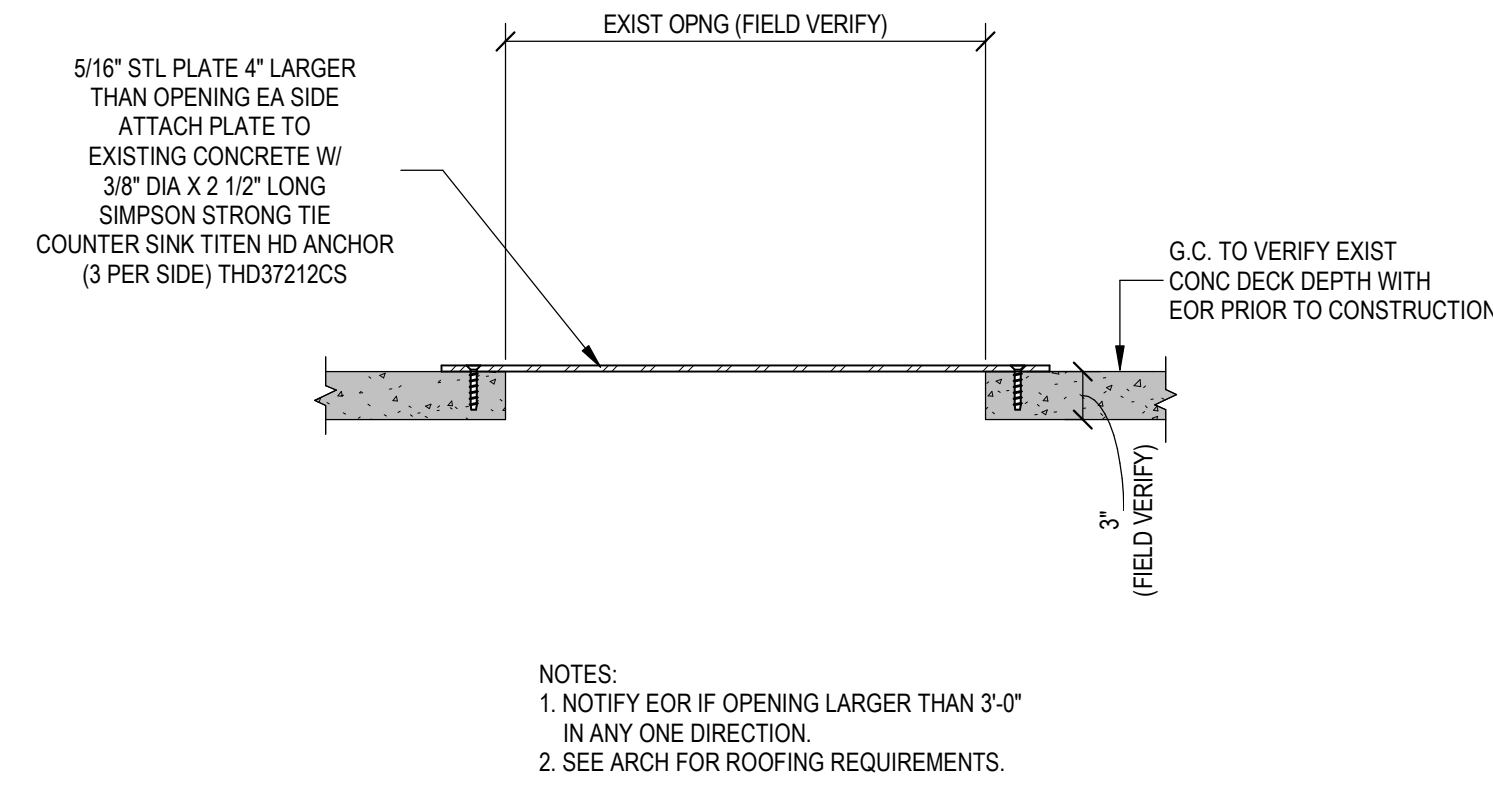


BUILDING 8 ROOF OPENING - OPTION A CONCRETE OVER METAL DECK INFILL IN EXISTING CONCRETE DECK

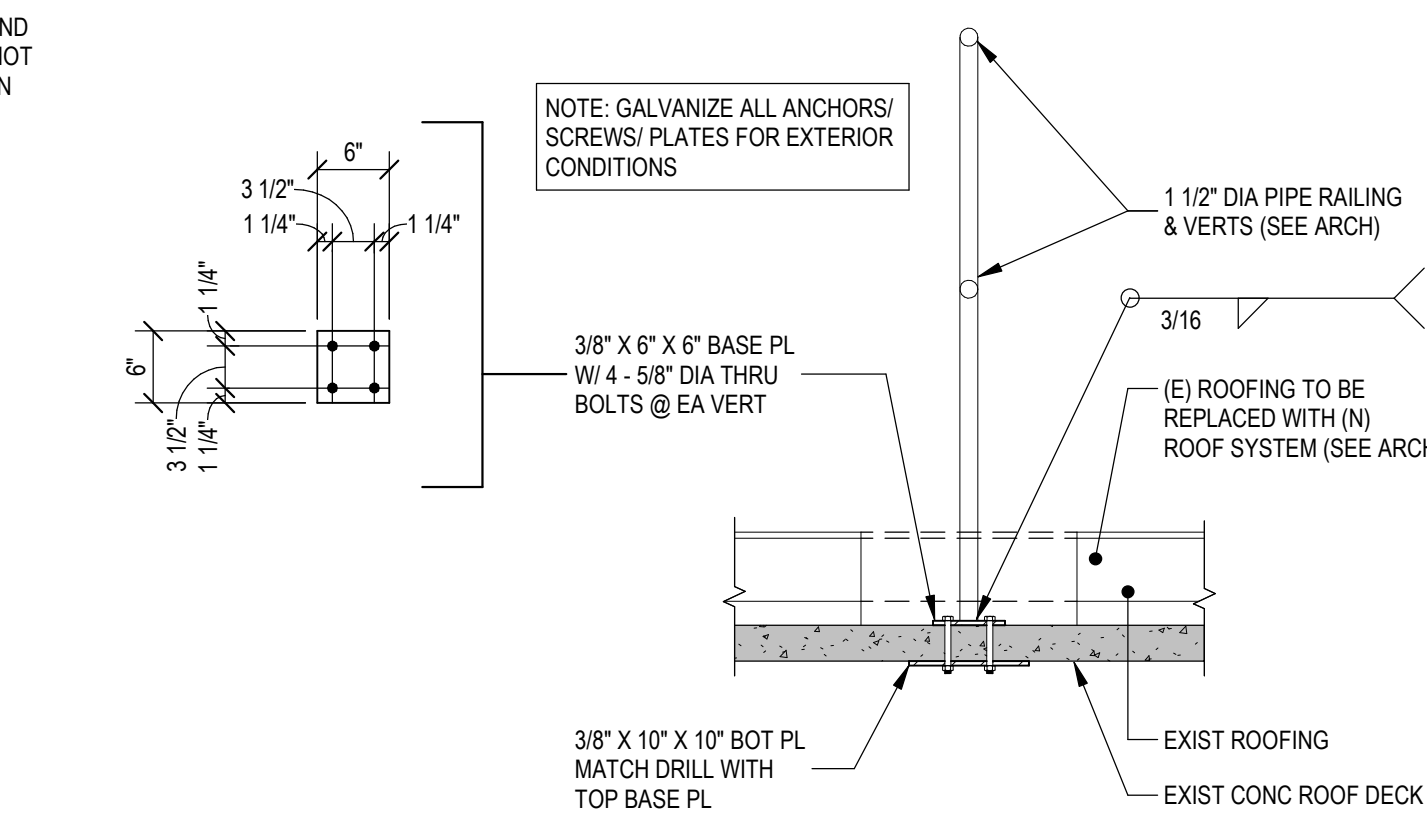
2 SECTION/ DETAIL
08.SE121 1" = 1'-0"



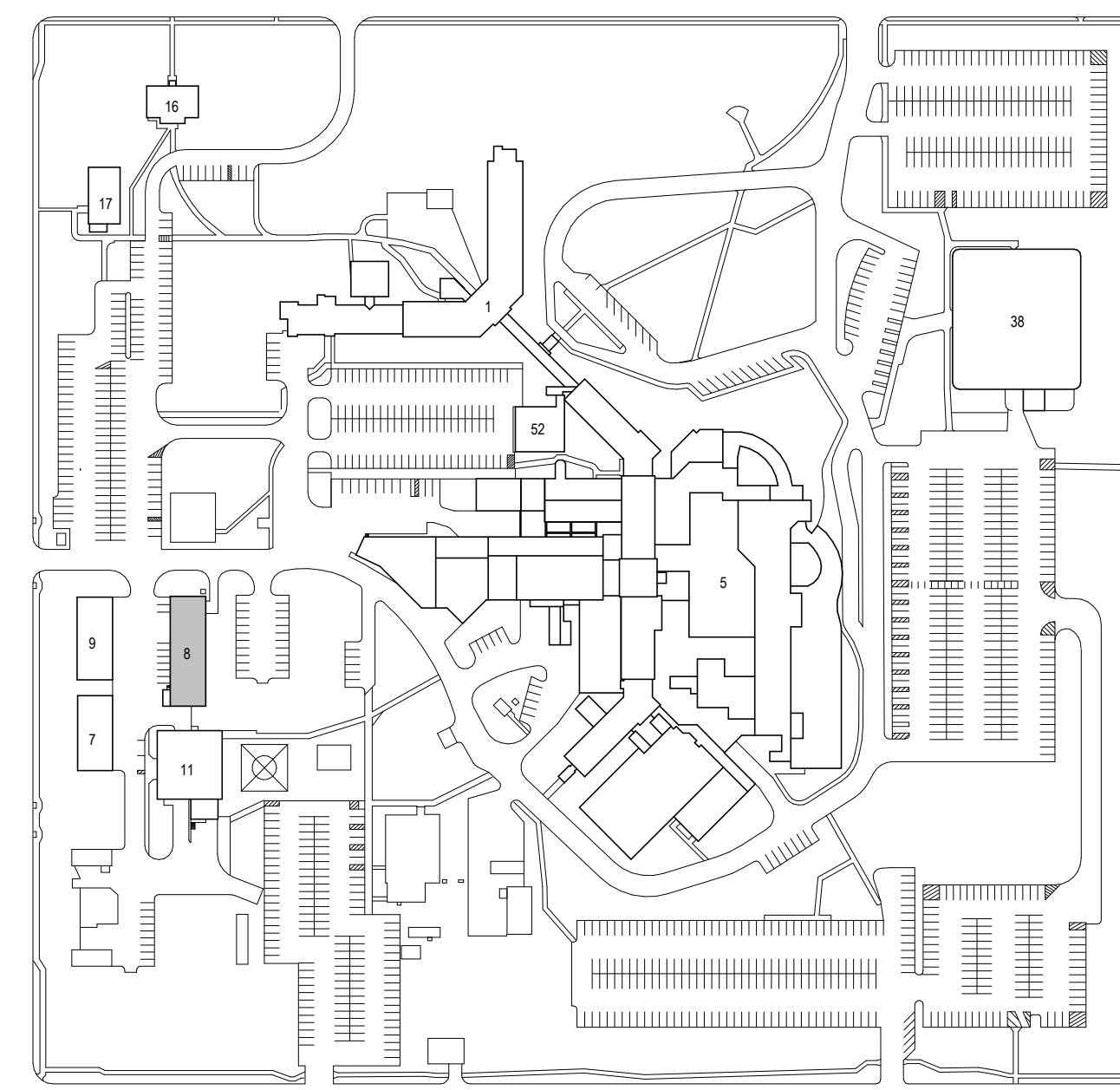
3 SECTION/ DETAIL
08.SE121 3/4" = 1'-0"



BUILDING 8 ROOF OPENING - OPTION B METAL PLATE INFILL OVER EXISTING CONCRETE DECK



4 SECTION/ DETAIL
08.SE121 3/4" = 1'-0"



KEY PLAN
1" = 200'-0"

Revision #	Description	Date:

CONSULTANTS
CIVIL: EHRHART GRIFFIN & ASSOCIATES Ehrhart Griffin & Associates 601 N Minnesota Ave Sioux Falls, SD 57104 Phone: 605-339-7215
STRUCTURAL: ERA STRUCTURAL ENGINEERING 2550 University Ave., W. Suite 423-S St. Paul, MN 55114 651.251.7570 www.eraeng.com
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 PROFESSIONAL ENGINEER RES. 360 STEPHEN CLARK EARTH BANK 9/15/2023

Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs
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Drawing Title STRUCTURAL - ROOF PLAN & DETAILS
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 TDN
Drawn CS/MJD

Project Number VA #438-22-600 ERA #20221954
Building Number 08
Drawing Number 08.SE121