30 April 2026

MILITARY DEPARTMENT
STATE of NEBRASKA
LINCOLN, NEBRASKA

NEBRASKA ARMY NATIONAL GUARD
SIDNEY RC INTERIOR SUSTAINMENT

at

Sidney Readiness Center
2225 Legion Park Road
Sidney, NE 69162

PROJECT NO. 31030399

A D D E N D U M N O. 2

The original specifications and drawings on the STATE OF NEBRASKA REQUEST for PROPOSAL FORM for the project noted above are amended as noted in this Addendum No. 2.

Receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Bid Form.

ADDENDUM NO. 2

NOTE TO ALL PLANHOLDERS: Please insert this Addendum into your copy of the Contract Documents for the above named project.

The following changes to the Contract Documents are issued by the CFMO-CMB and shall have the same force and affect as though a part of the original issue.

THE RECEIPT DATE, TIME and LOCATION of the BID PROPOSAL submission HAVE NOT CHANGED.

ITEM NO.

ADD 2-1 Pre-Bid Meeting Sign-In:

1. Refer to the sign-in sheet, attachment #1.

ADD 2-2 General Clarifications:

1. The Military Department's front end in the specifications, page 00800-2 will be the general working hours, 7:30AM to 4:00PM. Other hours to work will need to be arranged with the facility point of contact Mr. Barret or Sergeant Masbauch.
2. Specification section 01 4000 refers to third party testing, note geotechnical is not required on this project. Any testing required by individual specification sections will need to be performed. Specific examples include, but are not limited to, concrete mix testing, HVAC balancing, fire suppression system testing, etc. as indicated in the individual specification sections. Other forms of testing may be provided by the manufacturer as part of product data submittals.

3. Roof manufacturer and warranty information to maintain warranty during new construction:
    a. Manufacturer: Versico Roofing Systems.
    b. Contractor: Twin City Roofing & Sheet Metal Inc., 925 E Country Club Rd., Gering, NE 69341.
    c. Warranty status: 30 year warranty, issued 03/07/2023.
4. The current facility does not currently have a fire suppression system, just antiquated fire hoses.
5. The existing fire alarm system is monitored and serviced by: Summit Fire Protection, www.summitfire.com, (888) 220-7866.
6. ACT-1 note currently indicates paint, this will be revised to acoustic ceiling tile, see information later in this addendum.

ADD 2-3 Reference Specification Section 09 8405 Acoustic Print Panel

1. 2.01, A – add Golterman & Sabo, 3555 Scarlet Oak Blvd., St. Louis, MO, 63122, www.goltermansabo.com as an approved manufacturer.
    a. 2.01, C – add 2, G&S Acoustics, Acousti-Image Wall Panels, fiberglass core, 1" thick, square edges as substituted item.

ADD 2-4 Reference Specification Section 08 3300 Rolling Counter Doors

1. 2.01, A – add Overhead Door Company, www.overheaddoor.com, as approved manufacturer.

ADD 2-5 Reference Drawings C210 Site Plan – New:

1. Detail A1, Site Plan New
    a. Existing water main and existing sewer main route clarified in drawings.
    b. Add post indicator valve.
    c. Add new 2" water service line to building, tee off before new post indicator valve.
    d. Add keynote 33.201, "Provide and install post indicator valve."
    e. Add keynote 33.202, "Tee off 2" water service to building prior to post indicator valve."
    f. Add keynote 33.203, "Tap new 6" water service line into existing main. Provide wet tapping sleeve."
    g. Add keynote 33.204, "Curb stop isolation valve."
    h. Add keynote 33.205, "Provide and install thrust block at change in direction."
    i. Add sheet note 4, "Pipe to be AWWA DR18 C900 PVC pipe, verify with local municipality."
2. Detail K9 Generator Bollard Placement.
    a. Revise detail callout 2/C210 to be K5/C210.
3. Detail K5 Bollard Detail
    a. Revise detail note 2 to be, "8" diameter galvanized steel pipe bollard."
4. Added detail K1 Generator Pad Plan, for generator pad plan and pier footings for clarification.
5. See attachment #2.

ADD 2-6 Reference Drawing A116 Main Level Floor Plan – New, Detail A1, Main Level Floor Plan – New:

1. Clarification, unit heater removal and patch at Kitchen 108 to be part of base bid.
    a. Revise keynotes as shown in the attachment.
2. Add keynote 09.05 to areas of backsplash removal at Kitchen 108 as shown in the attachment.
3. See attachment #3.

ADD 2-7 Reference Drawing A216 Main Level Reflected Ceiling Plan – New:

1. Detail A1, Main Level Reflected Ceiling Plan – New
    a. Add ceiling transition detail at Office 102.
    b. Add section callout L4/A216 for ceiling transition trim detail.
    c. Add keynote 02.01, "Cut existing storage caging for new duct work." at new duct in Storage 114.
2. Add detail L4 Ceiling Transition Detail for ceiling transition detail.

3. Add keynote 09.07, "Axiom ceiling transition trim."
4. Add sheet note 12, "Existing window opening."
5. See attachment #4.

ADD 2-8 Reference Drawing i810 Interior Finish Key & Schedule:

1. Interior Finish Key
   a. Revise ACT-1 to be, "ACT-1, Acoustic Ceiling Tile, Armstrong, White, 24x24, Fine Fissured, Tegular."
2. Interior Finish Schedule
   a. Revise Ceiling Type for Entry 100, Office 102, Office 103 to be ACT, and Ceiling Finish to be ACT-1 in lieu of PNT-4.
3. See attachment #5.

ADD 2-9 Reference MEP Specifications and Drawings

1. See attached MEP Addendum from AES, attachment #6.

THIS ADDENDUM SHALL BE ATTACHED TO AND MADE A PART OF THE DRAWINGS AND SPECIFICATIONS AND SHALL BE ACKNOWLEDGED WITH THE BIDDER'S PROPOSAL.

Mr. Scott R. Smith, Architect
SSH Architecture

FOR CRAIG W. STRONG
MAJOR GENERAL, The Adjutant General

End of Addendum No. 2

Attachments:

NOTE: Attachments may contain full size sheets.

1. Pre-Bid Meeting Sign-In Sheet.
2. Drawing Sheet C210 – Site Plan.
3. Drawing Sheet A116 - Main Level Floor Plan.
4. Drawing Sheet A216 - Main Level Reflected Ceiling Plan.
5. Drawing Sheet i810 - Interior Finish Key & Schedule.
6. MEP Addendum from AES (11 total pages).

Nebraska Military Department

Construction and Facilties Management Office

JFHQ Building, 2433 NW 24th Street, Lincoln, Nebraska 68524-1801

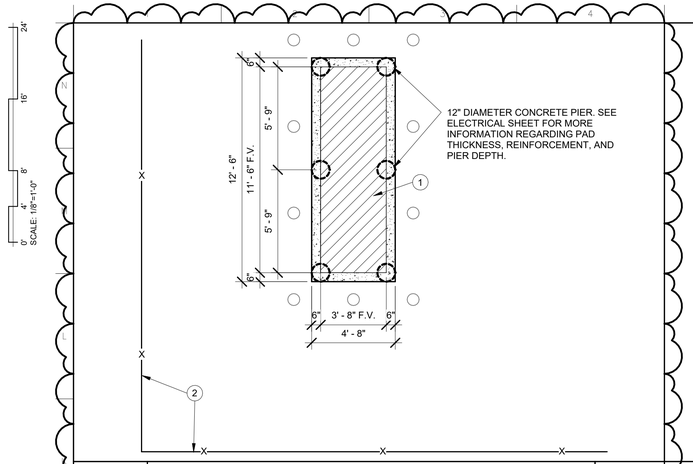
(402) 309-8450 (main) (402) 309-7480 (fax)

PRE-BID MEETING - SIDNEY RC INTERIOR SUSTAINMENT

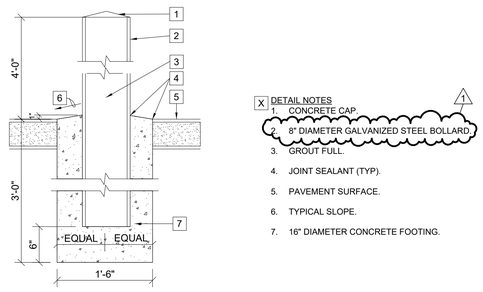
1000 MT Hours 21 April 2026

Name	Agency/Company	Phone Number	E-mail Address
Mr. James Rasmussen	CFMO Business Manager	402-309-8457	james.t.rasmussen3.civ@army.mil
LTC Justin Portenier	CFMO Design & Project Manager	402-309-8415	justin.r.portenier.mil@army.mil
Robert DeMoss	CFMO Contracts Officer	402-309-8464	robert.w.demoss2.nfg@army.mil
Mr. Todd Chase	CFMO Project Manager	402-309-8470	troy.t.chase.nfg.@army.mil
Mr. Scott Smith, Architect SRS	SSH Architecture	402-483-2893	scott@ssh-arch.com
Rick Fleming	Sampson Construction	970-420-0571	rick.fleming@sampson-construction.com
Dan Mohr	Sampson Construction	307-640-0398	danm@sampson-construction.com
Dan Daley	Snell Services	308 532-6870	dan.daley@snellservices.com
Vince Rodriguez	TR Drywall	308-765-1047	vrdrywall672@gmail.com
Chad Wonch	Snell Services	308-530-0729	chadwonch@gmail.com
Jerry Doremus	Adams Electric	308-641-0288	Estimator@AdamsElectricServices.com
Jim Wieser	Wieser Const. LLC	308-249-3783	jwieser53@gmail.com
Tim Rodriguez	TR Drywall Inc	308-631-8750	TRDrywall30@Hotmail.com

Attachment #1

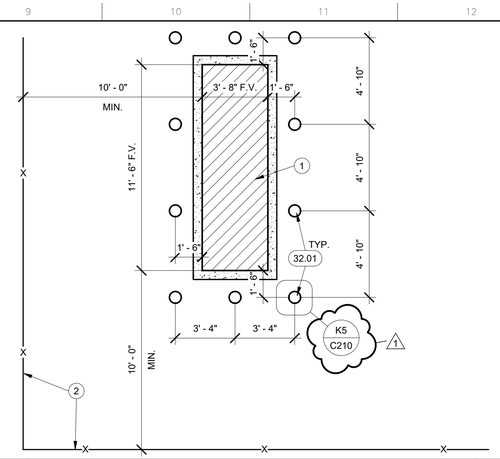


K1 | GENERATOR PAD PLAN
C210 | SCALE: 1"=1'-0"

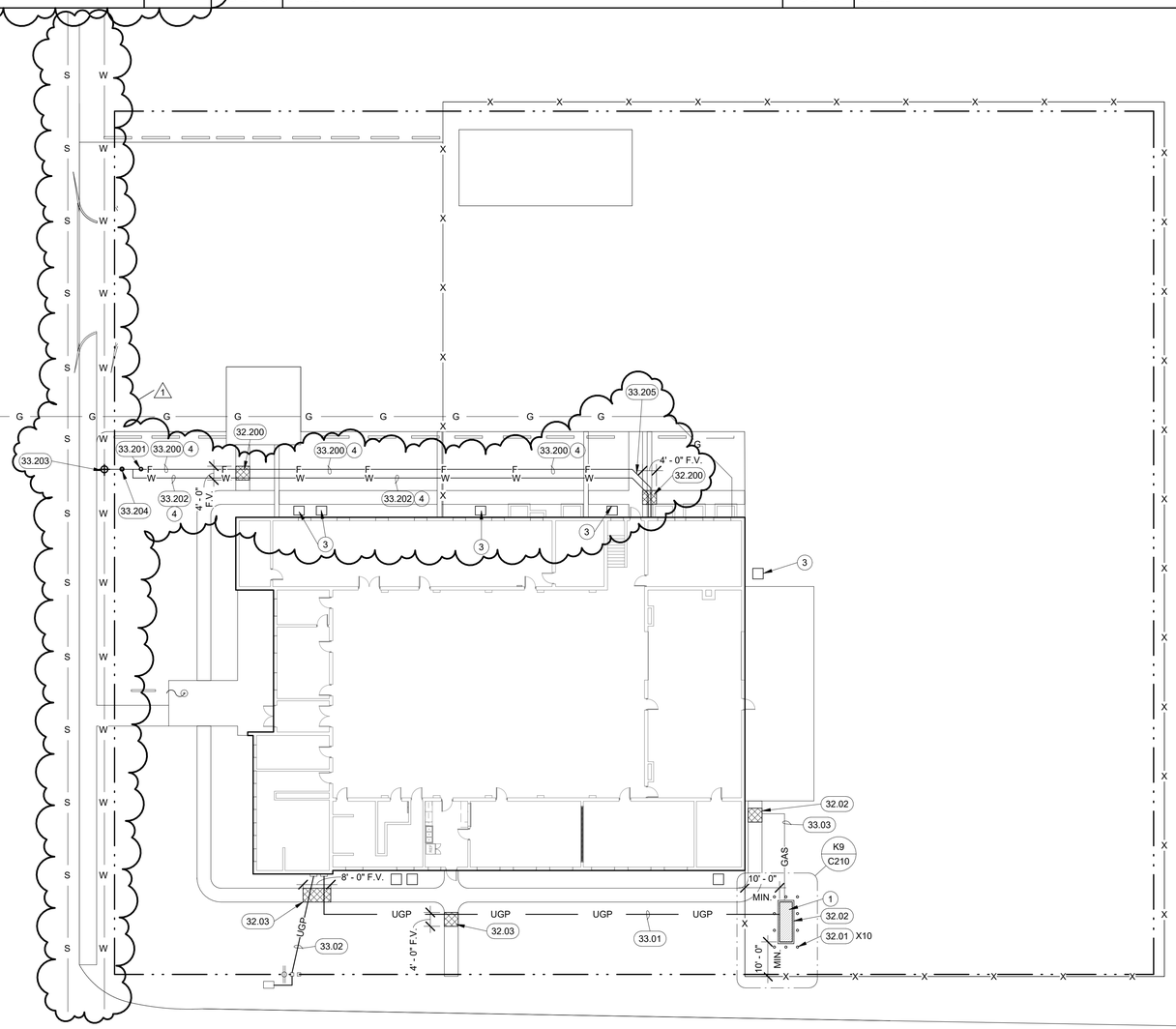


X DETAIL NOTES
1. CONCRETE CAP.
2. 8" DIAMETER GALVANIZED STEEL BOLLARD.
3. GROUT FULL.
4. JOINT SEALANT (TYP).
5. PAVEMENT SURFACE.
6. TYPICAL SLOPE.
7. 16" DIAMETER CONCRETE FOOTING.

K5 | BOLLARD DETAIL
C210 | SCALE: 1"=1'-0"



K9 | GENERATOR BOLLARD PLACEMENT
C210 | SCALE: 1"=1'-0"



A1 | SITE PLAN - NEW
C210 | SCALE: 1"=1'-0"

XX.XX KEYNOTES

DIVISION 32 EXTERIOR IMPROVEMENTS

32.01 8" GALVANIZED STEEL BOLLARD. SLUG FULL.

32.02 CONCRETE GENERATOR PAD.

32.03 REMOVE AND REPLACE CONCRETE WALK AS REQUIRED FOR NEW UNDERGROUND UTILITY. CUT AT EXISTING CONTROL JOINTS. MATCH EXISTING THICKNESS. DOWEL INTO EXISTING WITH 12"L #4 BAR AT 12" O.C. REINFORCE WITH 10 GA. 6X6 WIRE MESH. OVER COMPACTED FILL SAND / GRAVEL.

DIVISION 33 UTILITIES

33.01 UNDERGROUND POWER FROM EMERGENCY GENERATOR TO AUTOMATIC TRANSFER SWITCH. SEE ELECTRICAL SHEETS FOR MORE INFORMATION.

33.02 UNDERGROUND POWER FOR UPGRADED SERVICE TO BUILDING. SEE ELECTRICAL SHEETS FOR MORE INFORMATION.

33.03 UNDERGROUND GAS PIPING TO GENERATOR. SEE MECH FOR SIZE.

ABI-A2

DIVISION 32 EXTERIOR IMPROVEMENTS

32.200 REMOVE AND REPLACE CONCRETE WALK AS REQUIRED FOR NEW WATER MAIN. CUT AT EXISTING CONTROL JOINTS. MATCH EXISTING THICKNESS. DOWEL INTO EXISTING WITH 12"L #4 BAR AT 12" O.C. REINFORCE WITH 10 GA. 6X6 WIRE MESH. OVER COMPACTED FILL SAND / GRAVEL.

DIVISION 33 UTILITIES

33.200 INSTALL NEW 6" WATER MAIN AS REQUIRED FOR NEW FIRE SUPPRESSION. SEE FIRE SUPPRESSION SHEETS FOR MORE INFORMATION. PROVIDE CREDIT IF 6" MAIN NOT REQUIRED.

33.201 PROVIDE AND INSTALL POST INDICATOR VALVE.

33.202 TEE OFF 2" WATER SERVICE TO BUILDING PRIOR TO POST INDICATOR VALVE

33.203 TAP NEW 6" FIRE SERVICE LINE INTO EXISITNG WATER MAIN. PROVIDE WET TAPPING SLEEVE.

33.204 CURB STOP ISOLATION VALVE.

33.205 PROVIDE AND INSTALL THRUST BLOCK AT CHANGE IN DIRECTION.

H13 | KEYNOTES
C210 | SCALE: NONE

X SHEET NOTES

1 PAD MOUNT GAS GENERATOR PROVIDED BY OWNER. SEE ELECTRICAL FOR REQUIRED WORK.

2 EXISTING CHAIN LINK FENCE. PROVIDE 10' CLEAR MIN.

3 MECH CONDENSING UNIT ON PRECAST CONCRETE PAD. SEE MECHANICAL FOR MORE INFORMATION.

4 PIPE TO BE AWWA DR18 C900 PVC PIPE. VERIFY WITH LOCAL MUNICIPALITY

D13 | SHEET NOTES
C210 | SCALE: NONE

GENERAL NOTES

A13 | GENERAL NOTES
C210 | SCALE: NONE

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Sidney RC Interior
Sustainment #31030399
2225 Legion Park Road
Sidney, Nebraska 69162

DATE: 03 / 24 / 2026
REVIEWED BY:

MARK	DESCRIPTION	DATE
1	Addendum #2	04/29/2026

PROJECT #: 2519

SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

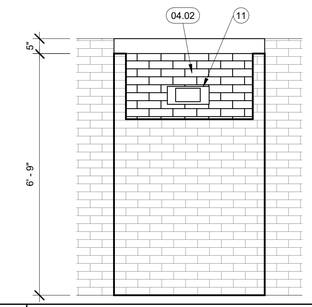
ARCHITECT
SCOTT R. SMITH
A-5459
03/24/2026
STATE OF NEBRASKA
PROFESSIONAL SEAL

DRAWING TITLE:
SITE PLAN - NEW

SHEET #:
C210

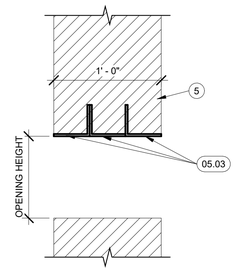
Attachment #2

PLOT: SSH Arch_ 4/30/2026 3:26:43 PM _90%_ Rev # 1_ Addendum #2



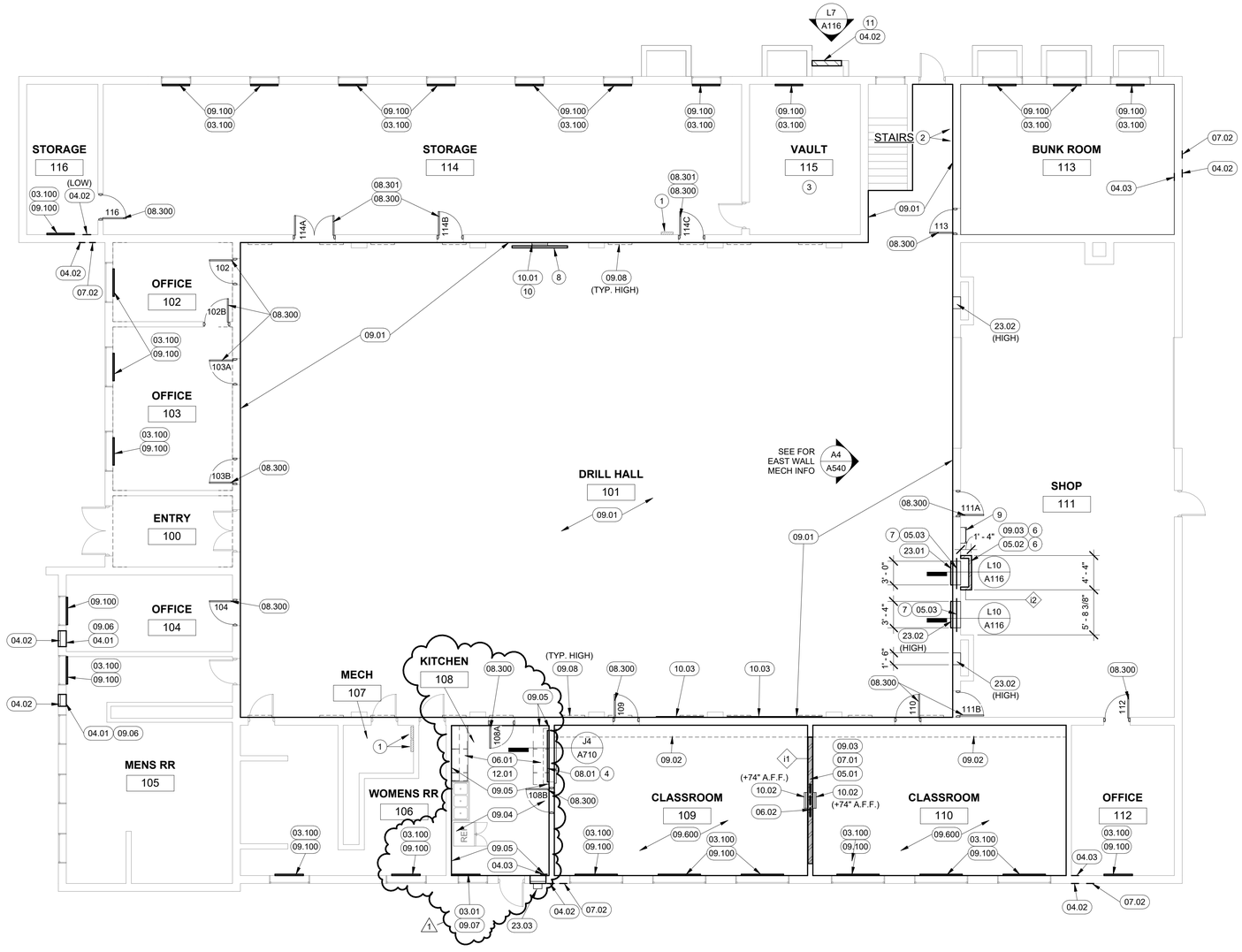
L7 A116 — CHASE WALL DETAIL

SCALE: NONE



L10 A116 — MASONRY OPENING DETAIL

SCALE: NONE



A1 — MAIN LEVEL FLOOR PLAN - NEW

A116 — SCALE: 1/8"=1'-0"

(XX.XX) KEYNOTES

DIVISION 03 CONCRETE

03.01 PATCH HOLES IN FLOOR LEFT BY STEAM PIPE. INSTALL TIGHT FITTING INSULATION AND GROUT HOLE FULL WITH NON-SHRINK GROUT. GROUT TO BE FLUSH WITH EXISTING CONCRETE FLOOR.

DIVISION 04 MASONRY

04.01 PATCH EXISTING CMU BLOCK. TOOTH INTO EXISTING.

04.02 PATCH EXISTING EXTERIOR BRICK. TOOTH INTO EXISTING. MATCH EXISTING BRICK AND GROUT COLOR AND TEXTURE. PROVIDE SAMPLES FOR APPROVAL.

04.03 GROUT OPENING IN CMU FULL. GROUT TO BE FLUSH WITH CMU FACE.

DIVISION 05 METALS

05.01 6" METAL FRAMING.

05.02 3 5/8" METAL FRAMING.

05.03 (3) STEEL ANGLE LINTEL. SEE STRUCTURAL FOR MORE INFORMATION.

DIVISION 06 WOOD, PLASTICS, AND COMPOSITES

06.01 NEW CUSTOM CASEWORK. SEE INTERIOR DETAILS FOR MORE INFORMATION.

06.02 2x10 WOOD BLOCKING AT WALL FRAMING FOR TV MOUNT. BOTH SIDES OF WALL.

DIVISION 07 THERMAL AND MOISTURE PROTECTION

07.01 SOUND ATTENUATION BLANKET AT FRAME WALL.

07.02 SEALANT AT SMALL PENETRATIONS IN BRICK. MATCH BRICK COLOR. BROADCAST SAND IN SEALANT TO MATCH BRICK TEXTURE.

DIVISION 08 OPENINGS

08.01 NEW COUNTER SERVICE ROLL UP SERVICE DOOR. SURFACE MOUNTED. SEE SPECIFICATIONS.

DIVISION 09 FINISHES

09.01 CLEAR SEAL AT EXISTING CONCRETE FLOOR.

09.02 PAINTED DRYWALL SOFFIT ABOVE.

09.03 PAINTED DRYWALL FINISH.

09.04 NEW HIGH PERFORMANCE FLOOR COATING. SEE INTERIORS.

09.05 PATCH PLASTER FINISH. PAINT TO MATCH EXISTING.

09.06 PAINT NEW PATCH TO MATCH EXISTING.

09.07 PATCH EXISTING FLOOR AND WALL FINISH. PAINT EXISTING WALL TO MATCH. AFTER CABINET HEATER REMOVAL.

09.08 PRINTED ACOUSTIC SOUND PANEL AT EACH SIDE OF WINDOW. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION.

DIVISION 10 SPECIALTIES

10.01 PROVIDE AND INSTALL TV MOUNTING BRACKET. BARKAN E400+ (OR EQUAL).

10.02 INSTALL OWNER PROVIDE TV MOUNTING BRACKET.

10.03 PRINTED MURAL. SEE INTERIOR SHEETS FOR MORE INFORMATION.

DIVISION 12 FURNISHINGS

12.01 NEW PLASTIC LAMINATE COUNTERTOPS. SEE INTERIOR DETAILS.

DIVISION 23 HVAC

23.01 HVAC RETURN GRILLE THRU WALL. SEE MECHANICAL FOR MORE INFORMATION.

23.02 HVAC SUPPLY REGISTER THRU WALL. SEE MECHANICAL FOR MORE INFORMATION.

23.03 HVAC OUTSIDE AIR INTAKE THROUGH EXISITING OPENING. COLOR TO MATCH EXISTING DOWNSPOUT/FLASHING.

ABI-A1

DIVISION 03 CONCRETE

03.100 PATCH HOLES IN FLOOR LEFT BY STEAM PIPE. INSTALL TIGHT FITTING INSULATION AND GROUT HOLE FULL WITH NON-SHRINK GROUT. GROUT TO BE FLUSH WITH EXISTING CONCRETE FLOOR.

DIVISION 09 FINISHES

09.100 PATCH TOUCH UP PAINT AS REQ. FLOOR AND WALL FINISH. PAINT EXISTING WALL TO MATCH. AFTER CABINET HEATER REMOVAL.

ABI-A3

DIVISION 08 OPENINGS

08.300 PROVIDE AND INSTALL NEW HOLLOW METAL DOOR LEAF AT EXISTING FRAME. INSTALL NEW DOOR HARDWARE. SEE SPECS FOR HARDWARE.

08.301 REINSTALL EXISTING DOOR SECURITY HARDWARE.

ABI-A6

DIVISION 09 FINISHES

09.600 NEW CARPET FINISH. SEE INTERIORS.

F13 — KEYNOTES

A116 — SCALE: NONE

(X) SHEET NOTES

1 EXISTING ELECTRICAL PANEL TO REMAIN. PROTECT FROM DAMAGE.

2 EXISTING FIRE ALARM PANEL TO REMAIN. PROTECT FROM DAMAGE.

3 EXISTING VAULT IS SECURED ENTRY ONLY. COORDINATE WITH BUILDING MANAGER.

4 NEW COUNTERTOP TO EXTEND BEYOND SERVICE DOOR. SEE DETAIL.

5 EXISTING BRICK WALL.

6 MECH CHASE WALL. COORDINATE WITH MECH FOR EXACT SIZING.

7 NEW OPENING THRU MASONRY WALL FOR MECHANICAL.

8 98" TV PROVIDED BY OWNER.

9 EXISTING ROOF LADDER.

10 INSTALL MOUNT AT 8'-6" A.F.F. TO CENTER OF MOUNT. BOTTOM OF TV TO BE ABOVE FIRE HOSE BOX SEE INTERIORS. FIELD VERIFY AND NOTIFY ARCHITECT PRIOR TO INSTALL.

11 COORDINATE WITH MECH. FOR REQUIRED PENETRATIONS.

C13 — SHEET NOTES

A116 — SCALE: NONE

GENERAL NOTES

A13 — GENERAL NOTES

A116 — SCALE: NONE

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Sidney RC Interior
Sustainment #31030399
2225 Legion Park Road
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DATE: 03 / 24 / 2026
PROJECT #: 2519

MARK	DESCRIPTION	DATE
1	Addendum #2	04/29/2026

REVIEWED BY:

SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

ARCHITECT SCOTT R. SMITH A-5459 04.24.2026 STATE OF NEBRASKA

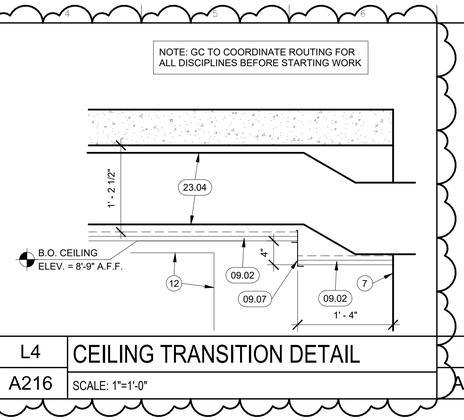
PROFESSIONAL SEAL

DRAWING TITLE:
MAIN LEVEL FLOOR PLAN - NEW

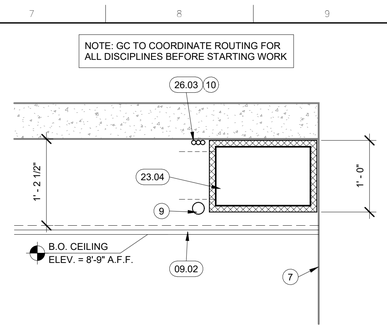
SHEET #:
A116

Attachment #3

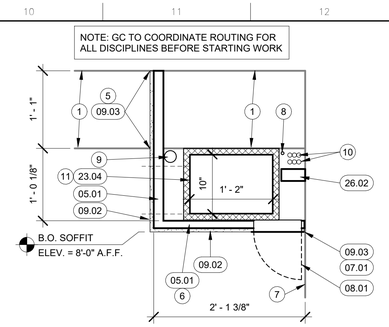
PLOT: SSH Arch_ 4/30/2026 2:41:06 PM _90%_ Rev # 1_ Addendum #2



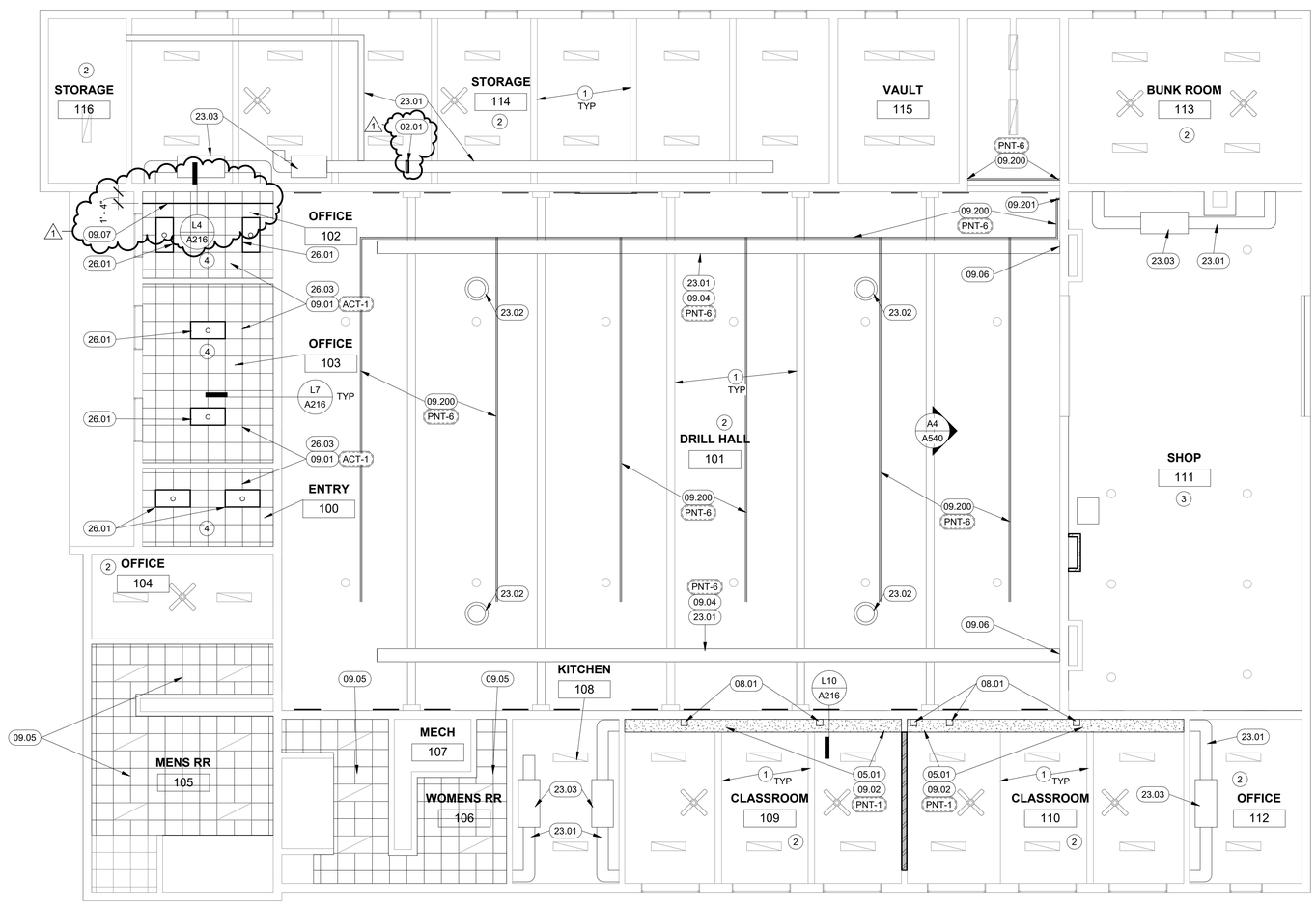
L4	CEILING TRANSITION DETAIL
A216	SCALE: 1"=1'-0"



L7	SOFFIT DETAIL
A216	SCALE: 1"=1'-0"



L10	SOFFIT DETAIL
A216	SCALE: 1"=1'-0"



A1	MAIN LEVEL REFLECTED CEILING PLAN - NEW
A216	SCALE: 1/8"=1'-0"

XX.XX KEYNOTES

DIVISION 02 EXISTING CONDITIONS
02.01 CUT EXISTING STORAGE CAGING FOR NEW DUCT (1)

DIVISION 05 METALS
05.01 1 5/8" METAL SOFFIT FRAMING.

DIVISION 07 THERMAL AND MOISTURE PROTECTION
07.01 PAINTABLE SEALANT AT WALL JOINT.

DIVISION 08 OPENINGS
08.01 8" X 8" PAINTABLE STEEL ACCESS DOOR IN SOFFIT AT EXISTING POWER J-BOX. ACUDOR (OR EQUAL).

DIVISION 09 FINISHES
09.01 2X2 ACOUSTIC CEILING TILE AND TRACK.

09.02 PAINTED DRYWALL SOFFIT.

09.03 INSTALL TEARAWAY BEAD AT DRYWALL TRANSITION.

09.04 PAINT NEW DUCT WORK TO MATCH EXPOSED WOOD ROOF DECK.

09.05 REINSTALL EXISTING CEILING TILE AND TRACK. ACCOUNT FOR 15% OF SF REPLACEMENT OF TILE AND TRACK IN BID.

09.06 PAINT VERTICAL DUCT TO MATCH WALL.

09.07 AXIOM CEILING TRANSITION TRIM (1)

DIVISION 23 HVAC
23.01 EXPOSED DUCT. SEE MECHANICAL FOR MORE INFORMATION.

23.02 INSTALL NEW DESTRATIFICATION FAN. SEE MECHANICAL AND ELECTRICAL FOR MORE INFORMATION.

23.03 NEW MECHANICAL HVAC UNIT HUNG FROM ROOF DECK. SEE MECHANICAL FOR MORE INFORMATION.

23.04 NEW DUCT WITH INSULATION. SEE MECHANICAL FOR MORE INFORMATION.

DIVISION 26 ELECTRICAL
26.01 NEW TROFFER LIGHT FIXTURE. SEE ELECTRICAL FOR MORE INFORMATION.

26.02 REWORK EXISTING J-BOX FOR ACCESS FROM BELOW. SEE ELECTRICAL. VERIFY LOCATIONS ALONG WALL.

26.03 SURFACE MOUNT CONDUIT AT BOTTOM OF ROOF DECK ABOVE CEILING. SEE ELECTRICAL FOR MORE INFORMATION.

ABI-A2
DIVISION 09 FINISHES
09.200 PAINT EXPOSED HORIZONTAL FIRE SUPPRESSION PLUMBING AT DRILL HALL TO MATCH EXITING WOOD ROOF DECK.

09.201 PAINT EXPOSED FIRE VERTICAL FIRE SUPPRESSION PLUMBING TO MATCH WALL COLOR.

G13	KEYNOTES
A216	SCALE: NONE

(X) SHEET NOTES

1 EXISTING LVL BEAM TO REMAIN. PROTECT FROM DAMAGE.

2 EXPOSED TONGUE AND GROVE WOOD DECK.

3 EXPOSED BAR JOIST STRUCTURE AND GYPSUM DECK.

4 EXISTING CONCRETE DECK ABOVE CEILING.

5 INSTALL DRYWALL TIGHT TO WOOD BEAM AT ALL SIDES.

6 INSTALL METAL FRAMING ON SIDE.

7 EXISTING CMU WALL. PROTECT FROM DAMAGE.

8 NEW GAS PIPING. SEE MECHANICAL.

9 NEW FIRE SPRINKLER PIPING. SEE FIRE SUPPRESSION SHEETS.

10 NEW POWER CONDUIT AS REQUIRED.

11 DUCT ROUTED THRU SOFFIT, TIGHT TO BEAM.

12 EXISTING WINDOW OPENING (1)

D13	SHEET NOTES
A216	SCALE: NONE

GENERAL NOTES

A13	GENERAL NOTES
A216	SCALE: NONE

SSH

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SSH ARCHITECTURE
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ARCHITECT
SCOTT R. SMITH
A-5459
04/24/2026
STATE OF NEBRASKA

PROFESSIONAL SEAL

DRAWING TITLE:
MAIN LEVEL REFLECTED CEILING PLAN - NEW

SHEET #:
A216

Attachment #4

PLOT: SSH Arch_ 4/30/2026 2:41:07 PM _90%_ Rev # 1_ Addendum #2

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

INTERIOR FINISH KEY

MARK	MATERIAL	SPEC SECTION	MANUFACTURER	COLOR	SIZE	FINISH	STYLE	DETAIL NOTE
BASE								
VB-1	VINYL BASE	09 6513	JOHNSONITE	MATCH EXISTING	4"		COVE	
CEILING								
ACT-1	ACOUSTIC CEILING TILE		ARMSTRONG	WHITE	24X24	FINE FISSURED	TEGULAR	
FLOOR PAINT								
HPC-1	CLEAR EPOXY FLOOR PAINT	09 9500	TNEMEC	CLEAR				
HPC-2	DECORATIVE EPOXY FLOOR PAINT	09 9500	TNEMEC	Q205 - SUBMIT COLOR CHART		MEDIUM GRIT	SLIP RESISTANT	
FLOORING								
CPT-1	CARPET	09 6813						
MISC.								
PL-1	PLASTIC LAMINATE	06 4110	WILSONART	STEEL MESH 4879-38				
PL-2	PLASTIC LAMINATE	06 4110	WILSONART	ISSELBURG Y0456				
TS-1	TRANSITION STRIP	09 6513	JOHNSONITE	MATCH CARPET	AS REQ.		REDUCER	
PAINT								
PNT-1	WALL PAINT	09 9900	SHERWIN WILLIAMS	MATCH EXISTING		EGGSHELL		3
PNT-3	DOOR PAINT	09 9900	SHERWIN WILLIAMS	MATCH EXISTING		EGGSHELL		
PNT-4	WALL PAINT (ABI-A4)	09 9900	SHERWIN WILLIAMS	MATCH EXISTING		EGGSHELL		1,3
PNT-5	WALL PAINT (ABI-A5)	09 9900	SHERWIN WILLIAMS	MATCH EXISTING		EGGSHELL		2,3
PNT-6	DUCT / PLUMBING PAINT	09 9900	SHERWIN WILLIAMS	MATCH ROOF DECK		EGGSHELL		4

1

FINISH KEY NOTES:
1. PAINTED WALLS TO BE PART OF ABI-A4.
2. PAINTED WALLS TO BE PART OF ABI-A5.
3. MATCH EXISTING WAINSCOTING COLORS WHERE EXISTING WAINSCOT IS PAINTED.
4. PAINT COLOR TO GENERALLY MATCH EXPOSED WOOD ROOF DECK / BEAMS.

GENERAL NOTES:
1. THE GENERAL INTENT IS TO PAINT ALL WALLS AND EXPOSED CONDUIT ON WALLS AS PART OF ABI-A4 AND ABI-A5.
2. DO NOT PAINT OVER EXISTING EXPOSED RED BRICK.
3. PREVIOUSLY PAINTED BRICK TO BE PAINTED.

INTERIOR FINISH SCHEDULE

MARK	NAME	FLOOR FINISH TYPE					FLOOR FINISH	BASE FINISH	WALL FINISH				CEILING TYPE				CEILING FINISH	DETAIL NOTE
		SURF	LVT	TILE	CPT	PAINT	UNF			NORTH	EAST	SOUTH	WEST	ACT	GYP	DAS	UNF		
90	BOILER ROOM							EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.					EXIST.	
91	STORAGE							EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.					EXIST.	
92	STORAGE							EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.					EXIST.	
93	STORAGE							EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.					EXIST.	
100	ENTRY							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2	X				ACT-1	2
101	DRILL HALL				X			HPC-1	VB-1	PNT-2	PNT-2	PNT-2	PNT-2			1		EXIST.	1
102	OFFICE							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2	X				ACT-1	2
103	OFFICE							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2	X				ACT-1	2
104	OFFICE							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2					EXIST.	2
105	MENS RR							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2					EXIST.	
106	WOMENS RR							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2					EXIST.	
107	MECH							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2					EXIST.	
108	KITCHEN					X		HPC-2	HPC-2	PNT-2	PNT-2	PNT-2	PNT-2					EXIST.	2
109	CLASSROOM				X			CPT-1	VB-1	PNT-2	PNT-2 / PNT-2	PNT-2	PNT-2		X			PNT-4	2
110	CLASSROOM				X			CPT-1	VB-1	PNT-2	PNT-2	PNT-2	PNT-2 / PNT-2		X			PNT-4	2
111	SHOP							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2					EXIST.	
112	OFFICE							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2					EXIST.	
113	BUNK ROOM							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2					EXIST.	2
114	STORAGE							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2					EXIST.	2
115	VAULT							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2					EXIST.	
116	STORAGE							EXIST.	EXIST.	PNT-2	PNT-2	PNT-2	PNT-2					EXIST.	2

FINISH SCHEDULE NOTES:
1. PAINTED WALLS TO BE PART OF ABI-A4.
2. PAINTED WALLS TO BE PART OF ABI-A5.

GENERAL NOTES:
1. THE GENERAL INTENT IS TO PAINT ALL WALLS AND EXPOSED CONDUIT ON WALLS AS PART OF ABI-A4 AND ABI-A5.
2. DO NOT PAINT OVER EXISTING EXPOSED RED BRICK.
3. PREVIOUSLY PAINTED BRICK TO BE PAINTED.

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Sidney RC Interior
Sustainment #31030399
2225 Legion Park Road
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PROJECT #: 2519 REVIEWED BY: DATE: 03 / 24 / 2026

MARK	DESCRIPTION	DATE
1.	Addendum #2	04/29/2026

SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

ARCHITECT SCOTT R. SMITH A-5459 STATE OF NEBRASKA

PROFESSIONAL SEAL

DRAWING TITLE:
INTERIOR FINISH KEY & SCHEDULE

SHEET #:
i810

Attachment #5

PLOT: SSH Arch_ 4/30/2026 2:41:07 PM _90%_ Rev # 1_ Addendum #2

ADDENDUM

Date:	April 30, 2026	**Project:**	Sidney Readiness Center Sustainment #31030399
Addendum No.:	2	**AES Project No.:**	25178

All work shall be in accordance with the terms, stipulations, and conditions of the original contract.

Mechanical – See floor plans for more information.

Sheet F101 – BASEMENT PLAN – FIRE PROTECTION

1. BASEMENT PLAN – FIRE PROTECTION
    - The Combination Fire & Water Service has been separated into two separate entrances to accommodate the required PIV.
    - A new 2" water service is to extend into the building alongside the new 6" fire service, see Civil plan for routing of water lines into building.
    - Refer to revised drawing for NFPA 13 Fire Service Entrance Detail.

Sheet M102 – BASEMENT PLAN – HVAC PIPING

1. BASEMENT PLAN – HVAC PIPING
    - The Combination Fire & Water Service has been separated into two separate entrances to accommodate the required PIV.
    - A new 2" water service is to extend into the building alongside the new 6" fire service, see Civil plan for routing of water lines into building. The new 2" water main shall be provided with proper backflow prevention and meter. The new 2" line shall be connected to the existing 2" water feed located in the boiler room.
    - Refer to revised drawing for Water Service Entrance Detail.
    - See revised drawing for new Sheet Note 7.

Sheet M103 – FIRST FLOOR PLAN – HVAC

1. FIRST FLOOR PLAN - HVAC
    - The two existing turbine ventilators located in the Drill Hall are to be capped to prevent air infiltration. See revised drawing for locations of ventilators and Keynote 18 for capping instructions.

Sheet M501 – SCHEDULES – HVAC

1. ROOF TOP UNIT SCHEDULE
    - Refer to Schedule Note 11 that reads " PROVIDE WITH MODULATING HOT GAS REHEAT." This note shall be omitted, RTUs are not to be provided with hot gas reheat. Note 11 to now read NOT USED.
2. CONDENSING UNIT SCHEDULE
    - Refer to Condensing Unit Schedule: CU-4 shall be a 2-ton unit, Carrier Model GA5SAN52400W in lieu of specified model number.

Electrical – See floor plans for more information.

Sheet E001 – Site Plan - Electrical

1. Added PIV to site plan with Keynote 6.
2. Added Keynote 6 to read: "POST INDICATOR CALCE – PROVIDE WIRING IN 3/4" CONDUIT AND ROUTE UNDERGROUND TO FIRE ALARM CONTROL PANEL. VERIFY LOCATION WITH FIRE SPRINKLER CONTRACTOR."
3. Added MDP at service entrance location on exterior of building with Keynote 7.
4. Added Keynote 7 to read: "600A 120/240V I-LINE PANEL WITH LOCKABLE NEMA 3R ENCLOSURE."
5. Changed Keynote 4 to read: "400A 120/240V 3 POLE ATS."

Sheet E201 – Lower Floor Plan - Power

1. Added tamper and flow switches to new fire service with Keynote 2.
2. Added Keynote to read: "CONNECT TAMPER/FLOW SWITCHES TO EXISTING FIRE ALARM SYSTEM."

Sheet E202 - Main Floor Plan - Power

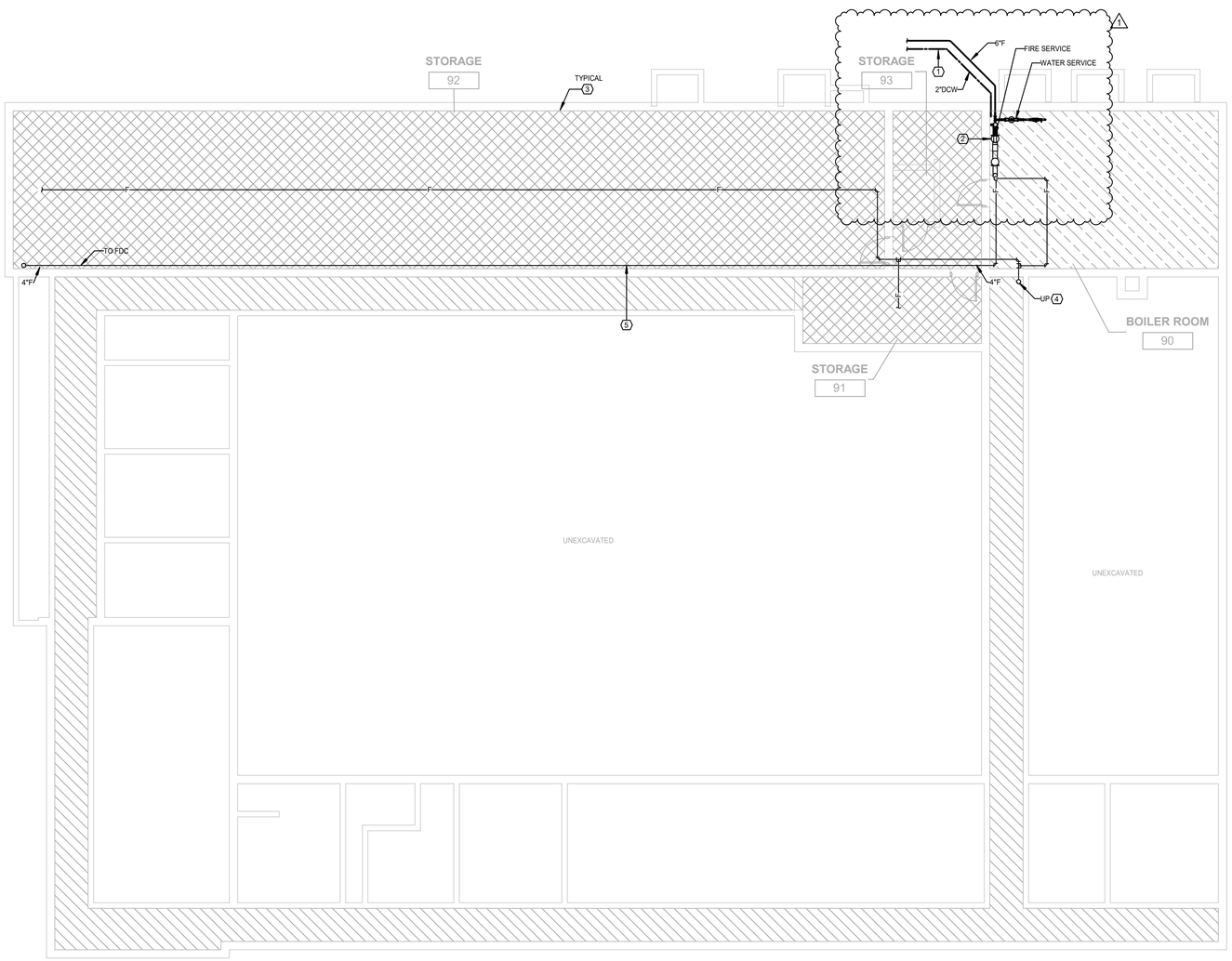
1. Added MDP at service entrance location on exterior of building.

Sheet E301 – Electrical & Panel Schedules

1. Changed panel 'L3' as follows:
    - **a.** KAIC RATING: 22
    - **b.** MAINS RATING: 400
    - **c.** MCB RATING: 400
    - **d.** ENCLOSURE: TYPE 1
2. Added MDP panel schedule.
3. Removed existing panel 'L1A' and 'L1B' from panel 'L3' and placed them in MDP.
4. Removed equipment connection schedule from sheet.

Sheet E401 – Electrical Schedule & Riser Diagrams

1. Added equipment connection schedule to sheet.
2. Added Keynote 9 to read: "GENSET IS BEING REFURBISHED BY OWNER. CONTRACTOR TO CHANGE FROM 3 PHASE TO 1 PHASE. COORDINATE WORK WITH NEBRASKA GENERATOR SERVICE, LLC. TO MAINTAIN WARRANTY."
3. Added Keynote 10 to read: "PROVIDE 600A, 120/240V I-LINE PANEL WITH LOCKABLE NEMA 3R ENCLOSURE AND BREAKERS AS SHOWN. SEE E301 FOR DETAILS."
4. Added Keynote 9 to Generator notes.
5. Added MDP to riser diagram and all changes that are required for the new service design.
6. Added Keynote 10 to MDP.



C1 BASEMENT PLAN - FIRE PROTECTION

F101 SCALE: 1/8"=1'-0"

KEY NOTES

SYMBOL = (X)

1 EXISTING 4" FIRE SERVICE LINE TO BE REMOVED AND REPLACED WITH NEW 6" FIRE SERVICE LINE AS SHOWN. PROVIDE CONCRETE THRUST BLOCKS AT ALL BENDS, TEES, AND TERMINATIONS PER NFPA 13.

2 PROVIDE NEW 6" FIRE SERVICE ENTRANCE COMPLETE WITH APPROVED BACKFLOW PREVENTION ASSEMBLY.

3 INSTALL NEW FIRE SPRINKLER SYSTEM IN HATCHED AREAS. FIRE SPRINKLER PIPING TO BE EXPOSED AND PAINTED IN SOME AREAS. SEE ARCHITECTURAL PLANS FOR AREAS WHERE PIPE IS TO BE PAINTED.

4 EXTEND FIRE PIPING UP THROUGH THE EXISTING FLOOR DECK. SEE PAGE F102 FOR CONTINUATION.

5 INSTALL FIRE PIPING HIGH AND TIGHT TO STRUCTURE.

L12 KEYNOTES

F101 SCALE: NONE

SPRINKLER HEAD LEGEND

AREA PATTERN	AREA DESCRIPTION	SET TEMP °F	SPRINKLER HEADS TYPE	SPRINKLER HEADS FINISH	SPRINKLER HEADS WET/DRY	SYSTEM PIPING LOCATION	SYSTEM PIPING WET/DRY	NOTES
	MECHANICAL SPACE	155°	PENDANT WITH PROTECTIVE CAGE	BRASS	WET	CONDITIONED, EXPOSED	WET	-
	OCCUPIABLE OPEN TO STRUCTURE	155°	UPRIGHT	BRASS	WET	CONDITIONED, EXPOSED	WET	1
	UNOCCUPIED NON-CONDITIONED AREA WITH NO COMBUSTIBLES	N/A	N/A	N/A	N/A	N/A	N/A	-

SPRINKLER HEAD LEGEND NOTES

1. SEE ARCHITECTURAL PLANS FOR AREAS WHERE EXPOSED PIPE IS TO BE PAINTED.

H12 SPRINKLER HEAD LEGEND

F101 SCALE: NONE

NOTE:
ALL WORK ASSOCIATED WITH PROVIDING THE NEW AUTOMATIC FIRE SPRINKLER SYSTEM, INCLUDING MODIFICATIONS TO THE EXISTING 4" WATER SERVICE, NEW FIRE SPRINKLER SERVICE, INTERIOR SPRINKLER PIPING, DEVICES AND ALL ASSOCIATED PERMITS, TESTING, AND ACCEPTANCE, SHALL BE PROVIDED AS AN ALTERNATE BID ITEM (ABI-A2).

G12 ABI NOTE

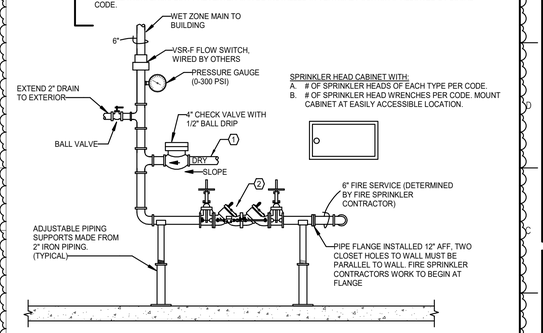
F101 SCALE: NONE

DETAIL NOTES

A. ALL PIPING FITTINGS AND BENDS MUST BE RESTRAINED AGAINST MOVEMENT, PIPE CLAMPS, TIE RODS AND THRUST BLOCKS ARE APPROVED RESTRAINTS. PUMPS SHALL BE INSTALLED LEVEL AND ALIGNED PER FACTORY RECOMMENDATIONS.
B. FIRE SERVICE ENTRANCE PIPING MUST BE FLUSHED AND TESTED PER NFPA 24 STANDARDS BY OTHERS. FIRE PUMP MUST BE FLUSHED, INSTALLED AND TESTED PER NFPA 20, 24 AND ALL AUTHORITIES HAVING JURISDICTION. ALL REQUIRED INSPECTIONS SHOULD BE COMPLETED BEFORE BACKFILL.
C. ALL PIPING, FITTINGS AND ACCESSORIES SHALL BE GROOVED CONSTRUCTION. ALL VALVES EXCEPT DRAINS AND TEST VALVES SHALL BE SUPERVISED BY THE ALARM PANEL. ALL VALVES TO BE LABELED.
D. LOCATION OF FIRE DEPARTMENT CONNECTION AND PIV SHALL BE COORDINATED WITH ALL AUTHORITIES HAVING JURISDICTION.

KEY NOTES

1. EXTEND FULL SIZE PIPE TO 2-1/2" X 2-1/2" X 4" FIRE DEPARTMENT CONNECTION (ELKHART ROUGH BRASS MODEL 11 OR EQUAL). VERIFY HOSE THREADS WITH LOCAL AUTHORITY. PROVIDE METAL SIGN WITH MINIMUM 1" RAISED LETTERS PER CODE AT CONNECTION READING WHAT IT SERVES.
2. NEW DOUBLE CHECK BACKFLOW PREVENTER. VERIFY WITH LOCAL CODES EXACT REQUIREMENTS FOR INSTALLATION. BACKFLOW PREVENTER CAN BE INSTALLED IN VERTICAL POSITION IF ALLOWED BY LOCAL CODE.



B12 NFPA 13 FIRE SERVICE ENTRANCE DETAIL

F101 SCALE: NONE

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Sidney RC Interior Sustainment #31030399
2225 Legion Park Road
Sidney, Nebraska 69162

DATE: 03 / 24 / 2026
REVIEWED BY:

MARK	DESCRIPTION	DATE
1	Addendum#2	04-30-2026

PROJECT #: 2519

SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

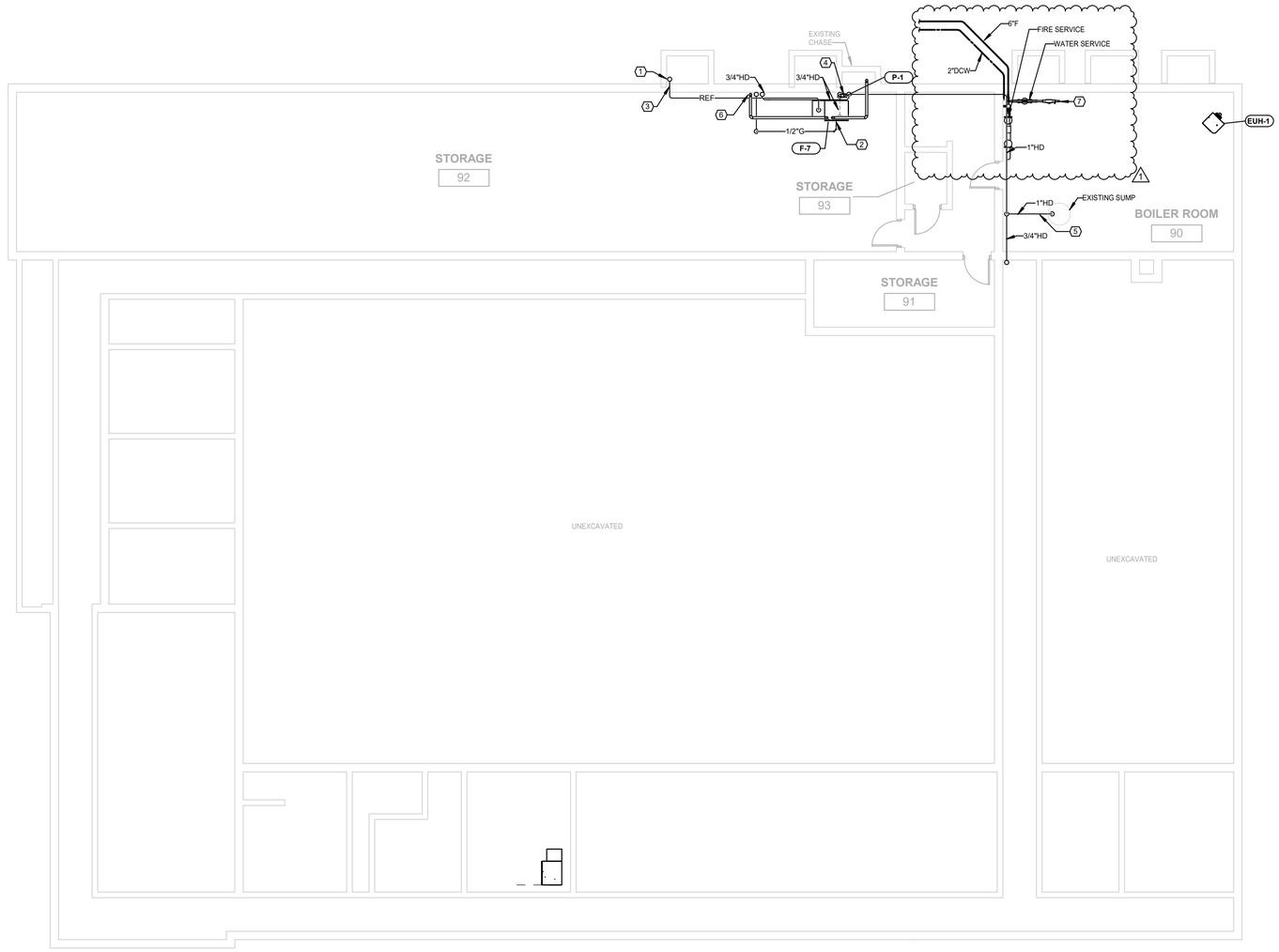
PROFESSIONAL SEAL
PROFESSIONAL MECHANICAL ENGINEER
VISHAL G. KHANNA
E-6671
04-30-26
STATE OF NEBRASKA

DRAWING TITLE:
BASEMENT PLAN - FIRE PROTECTION

SHEET #:
F101

Attachment #6

PLOT: SSH Arch_ 4/30/2026 11:38:21 AM _90%_ Rev # 1_ Addendum# 1



KEY NOTES

SYMBOL = (X)

1 EXTEND REFRIGERANT PIPING TO CORRESPONDING INDOOR/OUTDOOR UNIT. ALL ROUTING, INSULATION, ACCESSORIES, AND SIZING TO BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. STEEL NAIL PLATES MUST BE USED WHERE PIPING PENETRATES A JOIST OR STUD WITH LESS THAN 2" OF DISTANCE BETWEEN PIPING AND DRYWALL.

2 PROVIDE UNION, 3 INCH MINIMUM DIRT LEG, SHUT-OFF VALVE AND PRESSURE REGULATOR IN GAS PIPING AT CONNECTION TO EQUIPMENT. VENT PRESSURE REGULATOR TO OUTSIDE IF REQUIRED. PROVIDE A UNION ON BOTH SIDES OF REGULATOR. REGULATOR MUST BE INSTALLED IN HORIZONTAL POSITION DOWN STREAM OF DIRT LEG. PROVIDE A FACTORY VENT PROTECTOR FOR THE GAS REGULATORS MOUNTED OUTSIDE. SHALL BE INSTALLED A MINIMUM OF 24" ABOVE ROOF SURFACE AND 5' FROM RTU EXHAUST AIR HOOD.

3 EXTEND REFRIGERANT LINE THROUGH THE WALL TO EXISTING WINDOW WELL TO THE SIDE OF THE EXISTING WINDOW. HOLD LINES TIGHT TO CONCRETE WINDOW WELL WALL, AWAY FROM WINDOW FRAME.

4 EXTEND 3/4" HUMIDITY DRAIN PIPING FROM CONDENSATE TO NEAREST FLOOR DRAIN. PROVIDE CLEAN OUT IN DRAIN. SECURE PIPING TO FLOOR DRAIN COVER WITH ZIP TIE. SEE PAGE M104 FOR CONTINUATION.

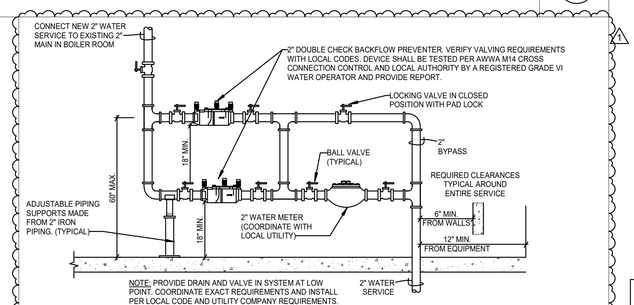
5 EXTEND 1" HUMIDITY DRAIN PIPING TO NEAREST FLOOR DRAIN. PROVIDE CLEAN OUT IN DRAIN. SECURE PIPING TO FLOOR DRAIN COVER WITH ZIP TIE.

6 EXTEND FLUE, GAS, AND HUMIDITY DRAIN UP THROUGH FLOOR DECK UP TO THE MAIN LEVEL.

7 CONNECT NEW 2" WATER SERVICE TO EXISTING 2" WATER SERVICE DOWNSTREAM OF BACKFLOW PREVENTER. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING PIPING PRIOR TO CONNECTION. MODIFY EXISTING METER AND WATER SERVICE AS REQUIRED TO ACCOMMODATE NEW SERVICE CONNECTION.

K14	KEYNOTES
M102	SCALE: NONE

C1	BASEMENT PLAN - HVAC PIPING
M102	SCALE: 1/8"=1'-0"



A10	WATER SERVICE ENTRANCE DETAIL
M102	SCALE: NONE

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DATE: 03 / 24 / 2026
REVIEWED BY:

MARK	DESCRIPTION	DATE
1	Addendum#2	04-30-2026

PROJECT #: 2519

SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

PROFESSIONAL ENGINEER — MECHANICAL — VISHAL G. KHANNA — E-6671 — 04-30-26 — STATE OF NEBRASKA

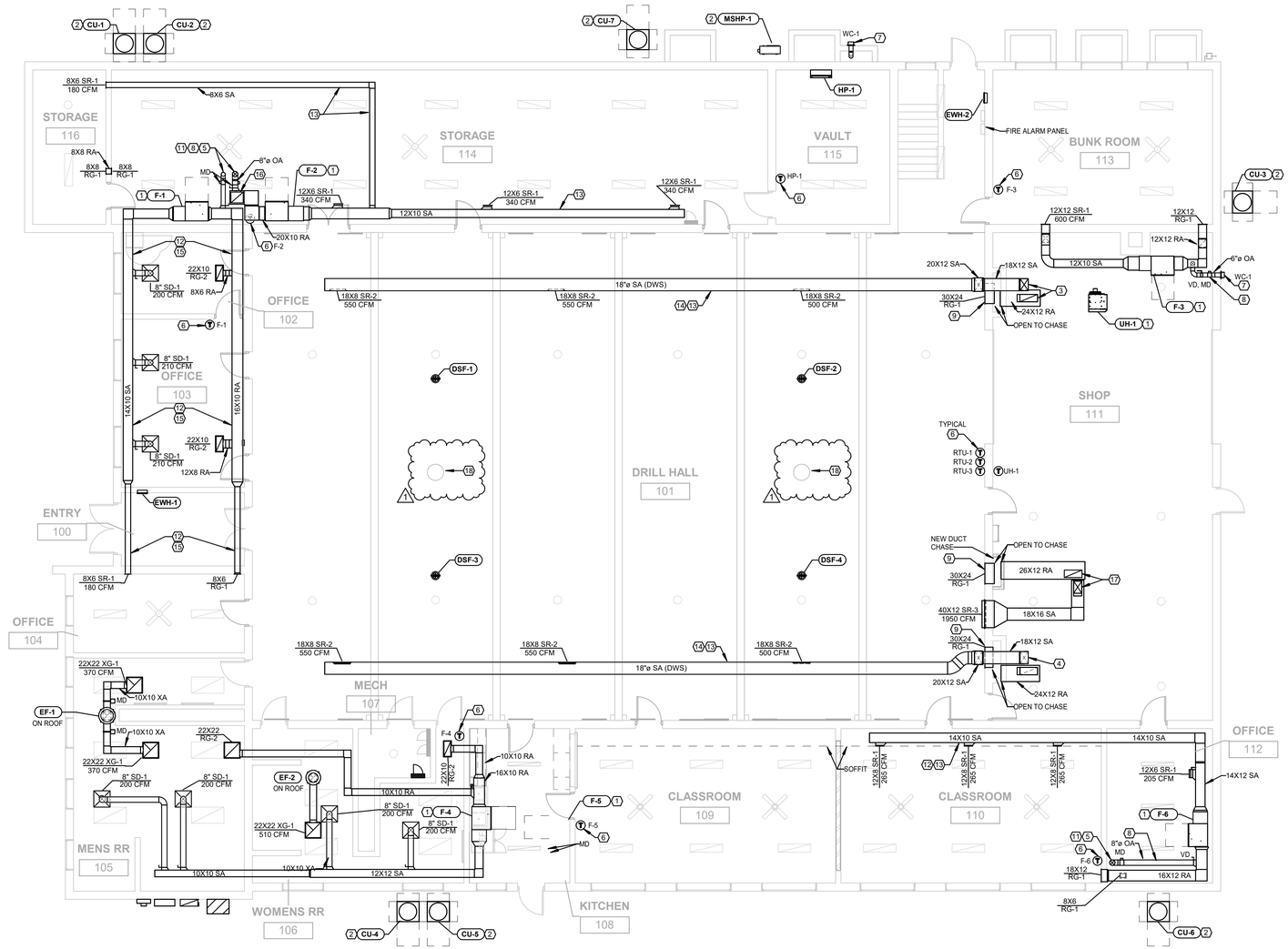
PROFESSIONAL SEAL

DRAWING TITLE:
BASEMENT PLAN - HVAC PIPING

SHEET #:
M102

Attachment #6

PLOT: SSH Arch_ 4/30/2026 11:46:16 AM _90%_ Rev # 1_ Addendum# 1



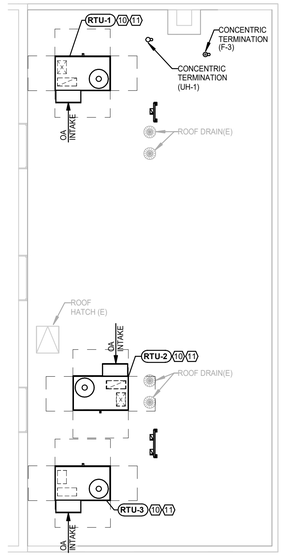
C1 | FIRST FLOOR PLAN - HVAC

M103 | SCALE: 1/8"=1'-0"

KEY NOTES

SYMBOL = (X)

1. HANG UNIT FROM THE CEILING HIGH AND EXPOSED. VIBRATION ISOLATION PADS SHALL BE USED AT EACH SUPPORT. MOUNT NO LOWER THAN 8'-0" ABOVE FINISHED FLOOR.
2. MOUNT UNIT ON PUMP UPS ON A PRE-CAST LEVEL CONCRETE PAD. GROUND UNDER THE PAD SHALL BE COMPACTED TO PREVENT PAD SETTLING.
3. EXTEND FULL SIZE DUCT UP TO RTU 1
4. EXTEND FULL SIZE DUCT UP TO RTU 3
5. EXTEND OA DUCT UP THROUGH ROOF AND TERMINATE WITH A GOOSENECK. SEE GOOSENECK DETAIL ON SHEET M 301
6. INSTALL THERMOSTAT 54" ABOVE FINISHED FLOOR (TYPICAL).
7. EXTEND OA DUCT THROUGH WALL AND TERMINATE WITH A WALL CAP.
8. EXTEND FRESH AIR TO RETURN DUCT AS REQUIRED. INSTALL MANUAL VOLUME BALANCING DAMPER AND MOTORIZED DAMPER AT EASILY ACCESSIBLE LOCATION AND BALANCE CFM SHOWN ON SCHEDULE SHEET M401. MOTORIZED DAMPERS SHALL BE OPEN WHEN FAN BLOWER IS RUNNING AND SHUT WHEN BLOWER IS OFF.
9. MOUNT BOTTOM OF GRILLE 6" AFF.
10. SEE ARCHITECTURAL AND STRUCTURAL FOR ROOFTOP UNIT LOCATIONS AND REINFORCEMENT DETAILS.
11. SEE ARCHITECTURAL PLANS FOR ROOF DETAIL.
12. COORDINATE DUCT INSTALL WITH PLUMBING AND ELECTRICAL ABOVE CEILING PRIOR TO STARTING WORK. SEE ARCHITECTURAL PLANS FOR DETAILS.
13. HOLD DUCT TIGHT TO B.O. EXPOSED BEAMS.
14. DUCT TO BE PAINTED. SEE ARCHITECTURAL PLAN FOR MORE INFORMATION.
15. HOLD DUCT TIGHT TO ROOF DECK.
16. PROVIDE 16"X16" OPENING ON TOP OF RETURN DUCT.
17. EXTEND FULL SIZE DUCT UP TO RTU 2
18. TEMPORARILY REMOVE EXISTING ROOF TURBINE VENTILATOR. PROVIDE AND INSTALL SEALED SHEET METAL CAP AT EXISTING CURB TO PREVENT AIR INFILTRATION. REINSTALL EXISTING TURBINE VENTILATOR ON CURB AND SECURE WEATHER-TIGHT. (1)



C12 | LOWER PARAPET ROOF PLAN - HVAC

M103 | SCALE: 1/8"=1'-0"

K12 | KEYNOTES

M103 | SCALE: NONE

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SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

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DRAWING TITLE:
FLOOR PLAN - HVAC

SHEET #:
M103

Attachment #6

PLOT: SSH Arch_4/30/2026 11:43:50 AM _90%_ Rev #-1_ Addendum#1

DUCT MATERIAL AND INSULATION

DUCT	DUCT LOCATION	SPACE	DUCT CONSTRUCTION MATERIAL	TYPE	CONNECTION	DUCT INSULATION TYPE	MATERIAL	SKIN TYPE	THICKNESS	DENSITY LB/FT^3	MIN. R VALUE	NOTES
EXHAUST / RELIEF AIR	CONCEALED	PARTIALLY CONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	WRAP	FIBERGLASS	ALUMINUM FSK JACKET	2"	3/4	5	1,2,3,5
EXHAUST / RELIEF AIR	CONCEALED	CONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	WRAP	FIBERGLASS	ALUMINUM FSK JACKET	1"	3/4	3	1,2,3,5
EXHAUST / RELIEF AIR	CONCEALED	UNCONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	WRAP	FIBERGLASS	ALUMINUM FSK JACKET	2"	3/4	5	1,2,3,5
EXHAUST / RELIEF AIR	EXPOSED	CONDITIONED	PAINT GRIP STEEL	SINGLE WALL	SLIP & DRIVE	LINER	FIBERGLASS	ACRYLIC POLYMER ANIT-MICROBIAL COATING	1"	1-1/2	3	1,2,4,7
FLUE	CONCEALED / EXPOSED	SAME FOR ALL CONDITION TYPES	SCHEDULE 40 PVC	PVC PIPE	PRIMED AND GLUED	-	-	-	-	-	-	1,7
FRESH AIR	CONCEALED	PARTIALLY CONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	WRAP	FIBERGLASS	ALUMINUM FSK JACKET	2"	3/4	3	1,2,3,8
FRESH AIR	CONCEALED	CONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	WRAP	FIBERGLASS	ALUMINUM FSK JACKET	1"	3/4	3	1,2,3,8
FRESH AIR	CONCEALED	UNCONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	WRAP	FIBERGLASS	ALUMINUM FSK JACKET	3"	3/4	8	1,2,3
FRESH AIR	EXPOSED	CONDITIONED	PAINT GRIP STEEL	SINGLE WALL	SLIP & DRIVE	LINER	FIBERGLASS	ACRYLIC POLYMER ANIT-MICROBIAL COATING	1"	1-1/2	3	1,2,4,6
RETURN / TRANSFER AIR	CONCEALED	PARTIALLY CONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	LINER	FIBERGLASS	ACRYLIC POLYMER ANIT-MICROBIAL COATING	1-1/2"	1-1/2	4	1,2,4
RETURN / TRANSFER AIR	CONCEALED	CONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	LINER	FIBERGLASS	ACRYLIC POLYMER ANIT-MICROBIAL COATING	1/2"	2	2	1,2,4
RETURN / TRANSFER AIR	EXPOSED	CONDITIONED	PAINT GRIP STEEL	SINGLE WALL	SLIP & DRIVE	LINER	FIBERGLASS	ACRYLIC POLYMER ANIT-MICROBIAL COATING	1"	1-1/2	3	1,2,4
RETURN / TRANSFER AIR	CONCEALED	UNCONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	LINER	FIBERGLASS	ACRYLIC POLYMER ANIT-MICROBIAL COATING	3"	3/4	8	1,2,4
SUPPLY AIR	CONCEALED	PARTIALLY CONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	WRAP	FIBERGLASS	ALUMINUM FSK JACKET	2"	3/4	5	1,2,3
SUPPLY AIR	CONCEALED	CONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	WRAP	FIBERGLASS	ALUMINUM FSK JACKET	1"	3/4	3	1,2,3
SUPPLY AIR	EXPOSED	CONDITIONED	PAINT GRIP STEEL	DOUBLE WALL SPIRAL	SCREWED	LINER	FIBERGLASS	DUCT	1"	1-1/2	3	1,2,3,6
SUPPLY AIR	CONCEALED	UNCONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	WRAP	FIBERGLASS	ALUMINUM FSK JACKET	3"	3/4	8	1,2,3

SPACE DEFINITION

A. PARTIALLY CONDITIONED SPACE: A SPACE THAT HAS A TEMPERATURE DIFFERENTIAL BETWEEN THE AIR IN DUCT AND HTE SURROUNDING GREATER THAN 15°. EXAMPLES INCLUDE ATTIC SPACE (WITH INSULATION ON ROOF), CRAWL SPACE, GARAGE, MECHANICAL/ELECTRICAL ROOM, NON PLENUM RETURN CEILING SPACE.

B. CONDITIONED SPACE: A SPACE THAT HAS A TEMPERATURE DIFFERENTIAL BETWEEN THE AIR IN THE DUCT AND THE SURROUNDING LESS THAN 15°. EXAMPLES INCLUDE: ABOVE CEILING RETURN PLENUM SPACE, HEATED AND COOLED SPACE.

C. UNCONDITIONED SPACE: A SPACE WHOSE TEMPERATURE IS THE SAME AS OUTDOORS OR WORSE (FURTHER FROM ROOM SET POINT) OR IS THE OUTDOORS. EXAMPLES INCLUDE ATTIC WITH INSULATION AT CEILING, DUCT CHASES.

D. EXTERIOR (OUTSIDE): LOCATED OUTSIDE OF THE BUILDING ENVELOPE. EXPOSED TO THE WEATHER.

DUCT LOCATION DEFINITION

A. CONCEALED: ANY NON VISIBLE DUCT. EXAMPLES INCLUDE: MECHANICAL ROOMS, JANITORS ROOMS, ATTICS AND CRAWL SPACES.

B. EXPOSED: ANY VISIBLE DUCT IN ANY PUBLIC OR OCCUPIABLE SPACE. EXAMPLES INCLUDE: STORAGE ROOMS, CLOSETS

WHERE DUCT INSULATION IS SPECIFIED:

A. ALL DUCTS SHALL BE COMPLETELY INSULATED ON ALL SIDES ENCOMPASSING DUCT SUPPORTS/ HANGERS WITH INSULATION SEALED TO SUPPORTS AS THEY PENETRATE INSULATION.

B. ALL SUPPLY AND FRESH AIR DIFFUSERS AND REGISTERS INCLUDING DUCT BOOTS SHALL BE COMPLETELY WRAPPED IN INSULATION DOWN TO THE CEILING TO PREVENT CONDENSATION.

C. ALL INSULATION HOLES FROM TESTING AND BALANCING SHALL BE RE-SEALED.

D. ALL BALANCING DAMPERS SHALL HAVE THE HANDLES OUTSIDE THE INSULATION, WITH A PROPER STANDOFF/ SHAFT LENGTH TO ALLOW PROPER DAMPER ADJUSTMENT.

DUCT MATERIAL AND INSULATION SCHEDULE NOTES

1. ALL DUCTWORK SHALL BE CONSTRUCTED, REINFORCED AND SUPPORTED ACCORDING TO CURRENT MECHANICAL CODE, SMACNA STANDARDS, AND PER REQUIREMENTS OF CURRENT EDITION OF INTERNATIONAL ENERGY CODES. DUCTS SHALL BE CONSTRUCTED BASED ON THE TOTAL FAN PRESSURE THE DUCTS ARE CONNECTED TO (A MINIMUM OF 2") AND BE TAKEN AS POSITIVE ON THE FAN DISCHARGE SIDE AND NEGATIVE ON THE FAN SUCTION SIDE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE FAN PRESSURES BEFORE BIDDING AND CONSTRUCTION. SINGLE WALL DUCT SHALL BE SEALED WITH EITHER FOIL TAPE OR DUCT SEAL COMPOUND ON ALL JOINTS INCLUDING LONG TRANSVERSE JOINTS. FOR LOW PRESSURE (< 2" W.C.) NON SPIRAL DUCT, ADJUSTABLE 1xRADIUS ELBOWS AND SNAPLOCK PIPE ARE ACCEPTABLE. FOR DUCT MATE/TDC CONNECTIONS FOAM TAPE, PLASTIC CLEATS ARE NOT ACCEPTABLE, BUTYL TAPE, METAL CLEATS AND NUT & BOLTS MUST BE USED.
2. INSULATION SHALL HAVE A FHC OF 25/50 AND BE CLASSIFIED AS MEETING THE REQUIREMENTS OF LIMITED COMBUSTIBILITY.
3. DUCT WRAP INSULATION: INSULATION SHALL COMPLY WITH ASTM C 553. TAPE AND SEAL INSULATION ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. EVERY JOINT SHALL BE COMPLETELY TAPPED WITH FACED TAPE (MEETING UL181 STANDARD) TO MATCH INSULATION AND COMPLETELY SEAL INSULATION PER MANUFACTURER'S RECOMMENDATIONS.
4. DUCT LINER INSULATION: INSULATION SHALL COMPLY WITH ASTM C 1071. PROVIDE MANUFACTURER'S SEALANT FOR COATING OF ALL EXPOSED EDGES, CONNECTIONS, OR MINOR SURFACE DAMAGE. WELD PINS OF SUFFICIENT LENGTH AND GLUE OR STAPLES WITH SHEET METAL DISCS SHALL BE USED TO FASTEN LINER TO DUCT. ALL BUTT EDGES SHALL BE COATED WITH ADHESIVE AND PRESSED TOGETHER. DUCT LINER SHALL HAVE PERMACOTE ANTI FUNGI AND BACTERIA GROWTH AGENT APPLIED TO THE LINER. ALL ROUND RETURN DUCT MUST BE WRAPPED WITH DUCT WRAP INSULATION OF AN EQUAL INSTALLED "R" VALUE SCHEDULED LINER.
5. PROVIDE INSULATION ON FIRST 15' OF DUCT FROM EXTERIOR TERMINATION.
6. IF DUCT IS GOING TO BE PAINTED, THOROUGHLY CLEAN AND DRY OUTSIDE OF DUCT WITH A WARM SOAPY SOLUTION CONSISTING OF "SIMPLE GREEN" CLEANER AND WATER PRIOR TO BEING PAINTED. THIS SHALL BE WITNESSED BY THE GENERAL CONTRACTOR AND PAINTER.
7. ANY FLUE PIPING RUNNING THROUGH AN OPEN PLENUM RETURN SHALL BE INSULATED WITH FHC 25150 RATED INSULATION.
8. DUCT SHALL BE WRAPPED WITH FLEXIBLE ELASTOMERIC WRAP WITH SAME R VALUE UP TO FIRST UNIT FROM LOUVER/HOOD.

MINI SPLIT SYSTEM - INDOOR UNITS

MARK	MANUFACTURER	MODEL #	UNIT TYPE	CFM (AT HIGH SPEED)	MOISTURE REMOVAL PINTS/HR	TOTAL COOLING (MBH)	TOTAL HEATING (MBH)	ELECTRICAL VOLT	ELECTRICAL PHASE	WEIGHT (LBS)	NOTES
HP-1	CARRIER	45MPHAQ09	HIGH WALL	424	1.06	13013	11000	240	1	37	1,2,3,4,6

MINI SPLIT SYSTEM - OUTDOOR UNITS

MARK	MANUFACTURER	MODEL #	DX COOLING TOTAL (MBH)	DX HEATING TOTAL (MBH)	ELECTRICAL VOLT	PHASE	MCA	MOP	REFRIGERANT PIPING LENGHTS UNIT MAXIMUM (FT.)	DESIGNED (FT.)	WEIGHT (LBS)	NOTES
MSHP-1	CARRIER	37MPRAQ09	13013	4573	240	1	16	20	25	10	107	1,2,3,5,6

MIN SPLIT HEAT PUMP SYSTEM SCHEDULE NOTES

1. ALL TEMPERATURES ARE IN DEGREES FAHRENHEIT.
2. ALL COOLING CAPACITIES BASED ON ARI STANDARDS, 95°F DB/74° WB AMBIENT AIR & 80° DB/67° WB RETURN AIR.
3. ALL HEATING CAPACITIES BASED ON 17°F DB AMBIENT AIR & 70° DB INDOOR AIR.
4. THERMOSTAT SHALL BE COMPATIBLE WITH SYSTEM. SYSTEM SHALL BE CONNECTED TO BUILDING MANAGEMENT SYSTEM (BMS). PROVIDE WITH BACNET CARDS.
5. OUTDOOR UNIT SHALL BE PROVIDED WITH HAIL GUARD PROTECTION.
6. PROVIDE UNIT WITH INTEGRAL LEAK DETECTION SYSTEM INCLUDING SENSOR AND ALL ASSOCIATED CONTROLS TO SHUT HEATING / COOLING WITH FAN REMAINING ON UPON LEAK PER ASHRAE 15 AND UL 60335-2-40.

DIFFUSERS, GRILLES, REGISTERS AND LOUVERS

MARK	FIXTURE	MANUFACTURER	MODEL #	DAMPER	FINISH	MOUNTING TYPE	DESCRIPTION AND OPTIONS
RG-1	RETURN GRILLE	TITUS	350R	-	WHITE	SURFACE MOUNT	24 GAUGE STEEL, 35° BLADE DEFLECTION, 3/4" BLADE SPACING, BLADES PARALLEL TO FLOOR, PROVIDE SIZE AS SHOWN ON DRAWINGS.
RG-2	RETURN GRILLE	TITUS	PAR-AA	-	WHITE	LAY-IN	ALUMINUM, 24" X 24" OR 12" X 24" PANEL PROVIDE NECK SIZE S SHOWN ON DRAWINGS
SD-1	SUPPLY DIFFUSER	TITUS	TMS-AA	-	WHITE	LAY-IN	ALUMINUM, 24" X 24" PANEL, PROVIDE NECK SIZE AS SHOWN ON DRAWINGS
SR-1	SUPPLY REGISTER	TITUS	300RS	OPOSED BLADE	WHITE	SURFACE MOUNT	24 GAUGE STEEL, 3/4" BLADE SPACING, INDIVIDUALLY ADJUSTABLE BLADES, DOUBLE DEFLECTION, PROVIDE SIZE AS SHOWN ON DRAWINGS
SR-2	SUPPLY REGISTER	TITUS	S300FS	-	PAINT GRIP	SURFACE MOUNT ON SPIRAL DUCT	ALUMINUM, DOUBLE DEFLECTION WITH 0° BLADE DEFLECTION ANGLE, CURVED FACE TO MATCH DUCT, AIR EXTRACTOR, PROVIDE SIZE AS SHOWN ON DRAWINGS.
SR-3	SUPPLY REGISTER	TITUS	DL	-	WHITE	SURFACE MOUNT	HIGH CAPACITY LONG THROW DRUM LOUVER. PROVIDE SIZE AS SHOWN ON DRAWINGS
WC-1	WALL CAP	FAMCO	SWVSR	-	BY ARCH.	SURFACE MOUNT	HOODED WALL CAP, BIRDSCREEN, SEE PLANS FOR THROAT SIZE
XG-1	EXHAUST GRILLE	TITUS	PAR	OPPOSED BLADE	WHITE	LAY-IN	24 GAUGE STEEL, 24" X 24" OR 12" X 24" PANEL PROVIDE NECK SIZE S SHOWN ON DRAWINGS

DIFFUSERS, GRILLES, REGISTERS AND LOUVERS SCHEDULE NOTES

A. COORDINATE FINISH COLOR WITH ARCHITECT, LOCATION AND MOUNTING TYPE FOR ALL REGISTER, GRILLES AND DIFFUSERS WITH GENERAL CONTRACTOR PRIOR TO ORDERING.
B. PROVIDE SIZE AND SHAPE AS SHOWN ON THE DRAWING.

ROOF TOP UNITS

MARK	MANUFACTURER	MODEL #	CFM	E.S.P. WG	BLOWER HP	GAS HEATING MBH INPUT	GAS HEATING EAT DB	GAS HEATING STAGES	R454 DX COOLING TOTAL BTUH	R454 DX COOLING SENS. BTUH	R454 DX COOLING SEER2	ELECTRICAL VOLT	ELECTRICAL PHASE	ELECTRICAL MCA	ELECTRICAL MOP	WEIGHT LBS	FA CFM	AREA(S) SERVED	NOTES
RTU-1	CARRIER	48FE05	1600	0.50	1	75.6	95 °F	1	47.6	36.6	13.4	240	1	39	60	680	180	DRILL HALL 101	1-10
RTU-2	CARRIER	48FE06	1950	0.50	2	109.2	54 °F	1	58.7	44.8	13.4	240	1	43	60	711	220	DRILL HALL 101	1-10
RTU-3	CARRIER	48FE05	1600	0.50	1	75.6	95 °F	1	47.6	36.6	13.4	240	1	39	60	680	180	DRILL HALL 101	1-10
RTU-7																			1-10

ROOF TOP UNITS SCHEDULE NOTES

1. ALL TEMPERATURES IN DEGREES F, ALL COOLING CAPACITIES ARE BASED ON 105°F OUTSIDE AIR TEMPERATURE.
2. ALL UNITS SHALL BE PROVIDED WITH 100% ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROLS, POWERED EXHAUST, HAIL GUARD, HINGED ACCESS PANELS, AND MERV 8 FILTERS.
3. PROVIDE WITH AN INTEGRAL SMOKE DETECTOR.
4. THERMOSTAT SHALL BE PROVIDED BY TEMPERATURE CONTROL CONTRACTOR.
5. FUSED DISCONNECT TO BE PROVIDED AND INSTALLED BY ELECTRICIAN.
6. PROVIDE UNIT WITH NON-POWER GFCI RECEPTACLE.
7. REQUIRED FRESH AIR AMOUNTS SHALL ONLY BE INTRODUCED INTO THE BUILDING DURING OCCUPIED TIMES WHEN THE FAN IS RUNNING. FRESH AIR DAMPER ON ROOF TOP UNIT SHALL BE CLOSED SHUT DURING UNOCCUPIED TIMES.
8. UNIT SHALL INLCUDE A FACTORY INSTALLED LEAK DETECTION SYSTEM AND CONTROLLER WITH LEAK MITIGATION SEQUENCE PER UL 60335-2-40.
9. PROVIDE WITH BACKNET INTERFACE CARD.
10. PROVIDE WITH AN 18" STANDARD ROOF CURB. VERIFY SLOPE OF THE ROOF.
11. NOT USED

FURNACES

MARK	MANUFACTURER	MODEL #	EVAP. COIL MODEL #	CFM	E.S.P. IN W.C.	GAS HEATING INPUT (MBH)	ELECTRICAL VOLT	ELECTRICAL PHASE	ELECTRICAL MCA	ELECTRICAL MOP	OA CFM/SIZE	NOTES
F-1	CARRIER	59TP6C040V14	CAAMP2414AMA	800	0.30	40.0	120	1	10	15	70 / 6"Ø	1,2,3,4,6,7
F-2	CARRIER	59TP6C080V17	CAAMP3617AMA	1200	0.30	80.0	120	1	13	15	130 / 8"Ø	1,2,3,4,6,7
F-3	CARRIER	59TP6C040V14	CAAMP1917AMA	600	0.30	40.0	120	1	10	15	70 / 6"Ø	1,2,3,4,6,7
F-4	CARRIER	59TP6C040V14	CAAMP2414AMA	800	0.30	40.0	120	1	10	15	80 / 6"Ø	1,2,3,4,6,7
F-5	CARRIER	59TP6C060V14	CAAMP3014AMA	1000	0.30	60.0	120	1	10	15	110 / 8"Ø	1,2,3,4,6,7
F-6	CARRIER	59TP6C060V14	CAAMP3014AMA	1000	0.30	60.0	120	1	10	15	130 / 8"Ø	1,2,3,4,6,7
F-7	CARRIER	59TP6C040V14	CAAMP2414AMA	800	0.30	40.0	120	1	10	15	120 / 8"Ø	1,2,3,4,6,7

CONDENSING UNITS

MARK	MANUFACTURER	MODEL #	DX COOLING NET MBH	DX COOLING NET SENS. MBH	DX COOLING STAGES	DX COOLING EER2 @ AHRI	ELECTRICAL VOLT	ELECTRICAL PHASE	ELECTRICAL MCA	ELECTRICAL MOP	REFRIGERANT PIPING LENGHTS UNIT MAXIMUM (FT.)	NOTES
CU-1	CARRIER	GASSAN52400W	23.4	16.6	1	12.5	240	1	14	20	250	1,5,6
CU-2	CARRIER	GASSAN53600W	34.7	25.2	1	12.5	240	1	18	30	250	1,5,6
CU-3	CARRIER	GASSAN53600W	34.7	25.2	1	12.5	240	1	18	30	250	1,5,6
CU-4	CARRIER	GASSAN52400W	23.4	16.6	1	12.5	240	1	14	20	250	1,5,6
CU-5	CARRIER	GASSAN52400W	23.4	16.6	1	12.5	240	1	14	20	250	1,5,6
CU-6	CARRIER	GASSAN53000W	29.5	21.3	1	12.5	240	1	17	25	250	1,5,6
CU-7	CARRIER	GASSAN52400W	23.4	16.6	1	12.5	240	1	14	20	250	1,5,6

FURNACE AND CONDENSING UNIT SCHEDULE NOTES

1. ALL CAPACITIES BASED ON ARI STANDARDS, 95°F DB AMBIENT AIR & 80°F/67°F WB RETURN AIR
2. FILTER AND FILTER RACK SHALL BE PROVIDED WITH UNIT.
3. CONCENTRIC ROOF/WALL TERMINATION KIT SHALL BE PROVIDED WITH UNIT FOR INTAKE AND EXHAUST PIPING.
4. THERMOSTAT SHALL BE PROVIDED BY TEMPERATURE CONTROL CONTRACTOR.
5. CONDENSING UNIT SHALL HAVE LOW AMBIENT CONTROLS, A HIGH PRESSURE SWITCH AND LOW PRESSURE SWITCH.
6. PROVIDE UNIT WITH INTEGRAL LEAK DETECTION SYSTEM INCLUDING SENSOR AND ALL ASSOCIATED CONTROLS TO SHUT HEATING / COOLING WITH FAN REMAINING ON UPON LEAK PER ASHRAE 15 AND UL 60335-2-40.
7. PROVIDE UNIT WITH TERMINAL STRIP SO UNIT CAN BE CONNECTED TO BMS.

DESTRATIFICATION FANS

MARK	MANUFACTURER	MODEL #	AIRSPEED AT 20' (FT/MIN)	FAN TYPE	FAN MOTOR DATA HP	VOLT	PHASE	RPM	dB(A)	DRIVE	FAN LOCATION	NOTES
DSF-1	AIRIUS	A-25-EC	284	ECM	FRAC	120	1	1670	33	DIRECT	ASSEMBLY AREA	1,2,3
DSF-2	AIRIUS	A-25-EC	284	ECM	FRAC	120	1	1670	33	DIRECT	ASSEMBLY AREA	1,2,3
DSF-3	AIRIUS	A-25-EC	284	ECM	FRAC	120	1	1670	33	DIRECT	ASSEMBLY AREA	1,2,3
DSF-4	AIRIUS	A-25-EC	284	ECM	FRAC	120	1	1670	33	DIRECT	ASSEMBLY AREA	1,2,3

DESTRATIFICATION FAN SCHEDULE NOTES

1. FAN SHALL BE WHITE, UNITS SHALL BE CORD AND PLUG CONNECTION
2. PROVIDE 3 YEAR PARTS WARRANTY.
3. dB (A) VALUES MEASURED AT 20 FT.

ELECTRIC HEATERS

MARK	MANUFACTURER	MODEL #	HEATER TYPE	BTU/HR.	VOLUME CFM	ELECTRICAL KW	ELECTRICAL VOLT	ELECTRICAL PHASE	AREA SERVED	NOTES
EUH-1	REZNOR	EUH-TSL	UNIT HEATER	17060	480	5	240	1	BOILER ROOM 90	1-4
EWH-1	QMARK	AWH4504F	WALL MOUNT	16378	100	4.8	240	1	ENTRY 100	1-4
EWH-2	QMARK	AWH4504F	WALL MOUNT	16378	100	4.8	240	1	DRILL HALL 101	1-4

ELECTRIC HEATER SCHEDULE NOTES

1. SEE DRAWINGS FOR EXACT CONFIGURATION AND COORDINATE AS REQUIRED PRIOR TO ORDERING.
2. MAINTAIN ALL RECOMMENDED CLEARANCES FOR ACCESS.
3. PROVIDE STANDARD SINGLE STAGE REMOTE THERMOSTAT AND MOUNT AT LOCATION SHOWN ON DRAWINGS.
4. PROVIDE UNIT WITH DISCONNECT SWITCH.

EXHAUST FANS

MARK	MANUFACTURER	MODEL #	CFM	E.S.P. WG	FAN TYPE	FAN MOTOR DATA HP	VOLT	PHASE	RPM	SONES	DRIVE	MOTOR TYPE	FAN LOCATION	CONTROLS	AREA(S) SERVED	NOTES
EF-1	GREENHECK	G-98-VG	500	0.50	CENTRIFUGAL	0.25	120	1	1500	8.6	DIRECT	ECM	ROOF	BMS	MEN RR 105	1-4
EF-2	GREENHECK	G-090-VG	400	0.50	CENTRIFUGAL	FRAC	120	1	1672	8.4	DIRECT	ECM	ROOF	BMS	WOMEN RR 106	1-4

EXHAUST FAN SCHEDULE NOTES

1. PROVIDE FAN WITH A MOTORIZED DAMPER WITH END SWITCH (END SWITCH TO BE PROVEN OPEN BEFORE FAN WILL COME ON) FOR FANS OVER 500 CFM. ALL FANS TO BE PROVIDED WITH BIRDSCREEN.
2. PROVIDE FANS WITH A THERMAL ELEMENT SWITCH.
3. FAN SHALL BE PROVIDED WITH ADJUSTABLE INTGRAL SPEED CONTROLLER.
4. FAN CONTROLS SHALL BE TIED INTO THE BUILDING MANAGEMENT SYSTEM.

PUMPS

MARK	MANUFACTURER	MODEL #	GPM	FT. HEAD	MIN. PUMPING EFFICIENCY	MOTOR DATA HP	VOLT	PHASE	RPM	MOTOR TYPE	DIRECT OR SPLIT COUPLING TYPE	SYSTEM SERVED	NOTES
P-1	LITTLE GIANT	VCMA-15	5.0	24	-	FRAC	120	1	-	PSC	DIRECT	F-7	1
P-2	LITTLE GIANT	VCMA-15	5.0	24	-	FRAC	120	1	-	PSC	DIRECT	F-4, F-5	1

PUMP SCHEDULE NOTES

1. PUMP SHALL HAVE A HALF GALLON ABS TANK WITH COVER, SAFETY SWITCH, THERMAL OVERLOAD PROTECTION, AND UL/ CSA LISTED.

UNIT HEATERS

MARK	MANUFACTURER	MODEL #	GAS TYPE	INPUT (BTUH)	OUTPUT (BTUH)	AIR FLOW (CFM)	VENTING	MOTOR DATA HP	VOLT	PHASE	AMPS	NOTES
UH-1	REZNOR	UDXC	NATURAL	105	87150	1345	POWER VENTED	0.033	120	1		1-2

UNIT HEATER SCHEDULE NOTES

1. PROVIDE HARD-WIRED HEAT ONLY THERMOSTAT.
2. PROVIDE VIBRATION ISOLATION KIT.

B5 SCHEDULES

M501 SCALE: NONE

AES ADVANCED ENGINEERING SYSTEMS
CERTIFICATE OF AUTHORIZATION # CA1800
www.a-e-sys.com PROJECT # 25178
4630 ANTELOPE CREEK RD STE 200 LINCOLN, NE 68506
P: 402-488-0075 F: 402-488-0272

SSH ARCHITECTURE
Architecture & Construction Consulting Services
6240 Ballard Ave, Suite A, Lincoln, NE 68507
(402) 483-2893
www.SSH-Arch.com E-MAIL: corp@ssh-arch.com

Sidney RC Interior
Sustainment #31030399
2225 Legion Park Road
Sidney, Nebraska 69162

DATE: 03 / 24 / 2026
REVIEWED BY:

MARK	DESCRIPTION	DATE
1	Addendum#2	04-30-2026

PROJECT #: 2519

SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

PROFESSIONAL ENGINEER — VISHAL KHANNA E-6671 — 04-30-26 — STATE OF NEBRASKA

PROFESSIONAL SEAL

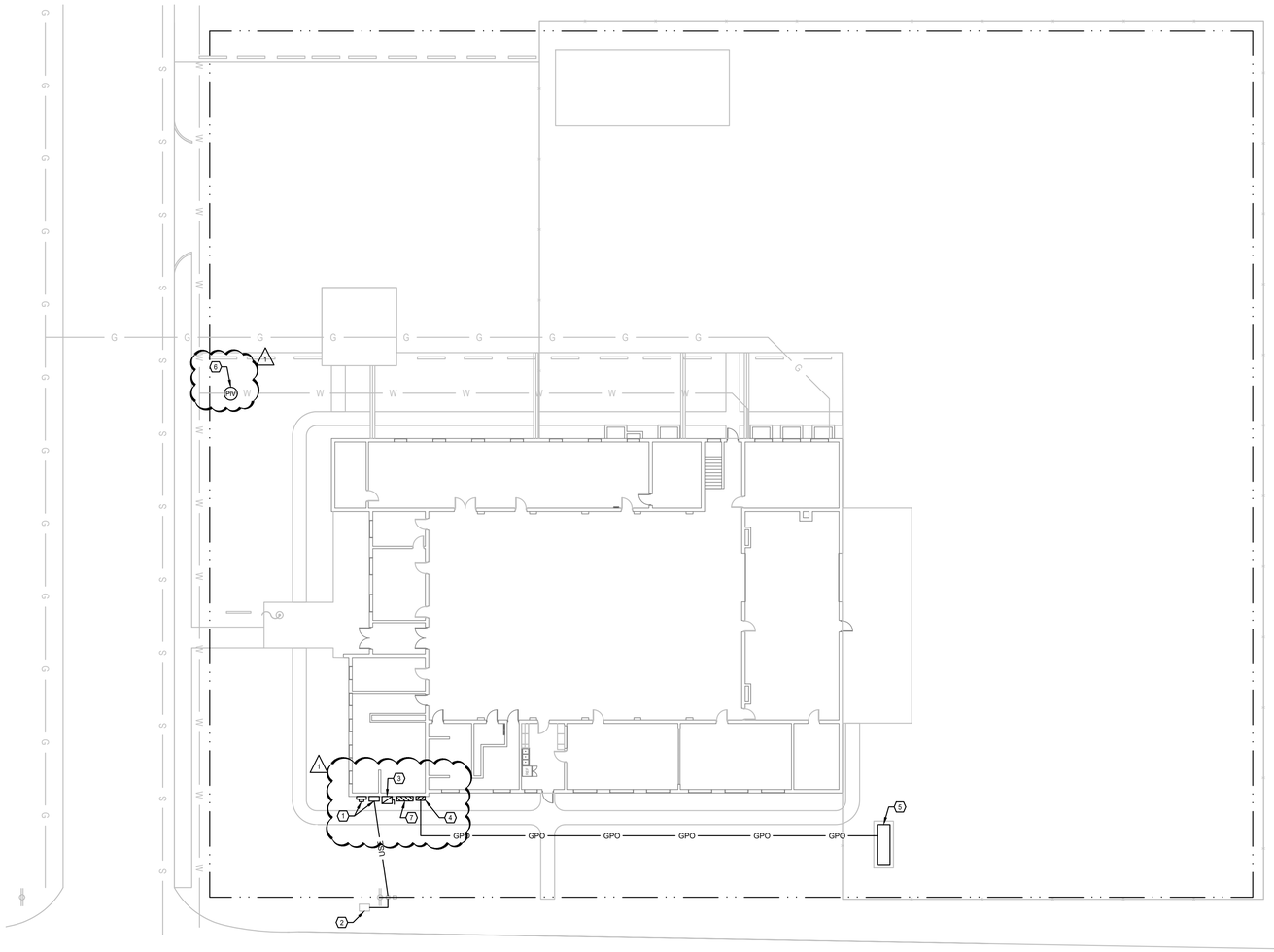
DRAWING TITLE: SCHEDULES - HVAC

SHEET #: M501

Attachment #6

PLOT: SSH Arch_ 4/30/2026 11:38:25 AM _90%_ Rev #1_ Addendum#1

SCALE: 1/8"=1'-0"
0' 4' 8' 16' 24'



KEY NOTES

SYMBOL = (X)

POINTS OF CONTACT

- ELECTRICAL UTILITY: CITY OF SIDNEY
  NAME: TOM MATHINE
  PHONE NUMBER: (308)249-3673

KEY NOTES

1. ELECTRICAL METER AND CT CABINET.
2. EXISTING 120/240V 1PH 3W PADMOUNT TRANSFORMER. SEE ELECTRICAL ONE-LINE DIAGRAM.
3. 600A 120/240V 1PH 3W NEMA 3R FUSED SERVICE DISCONNECT.
4. 400A 120/240V 3 POLE ATS.
5. OWNER PROVIDED GENERATOR.
6. POST INDICATOR VALVE - PROVIDE WIRING IN 3/4" CONDUIT AND ROUTE UNDERGROUND TO FIRE ALARM CONTROL PANEL. VERIFY LOCATION WITH FIRE SPRINKLER CONTRACTOR.
7. 600A 120/240V I-LINE PANEL WITH LOCKABLE NEMA 3R ENCLOSURE.

B14 KEYNOTES

E001 SCALE: NONE

AES ADVANCED ENGINEERING SYSTEMS
CERTIFICATE OF AUTHORIZATION # CA1800
www.a-e-sys.com PROJECT# 25178
4630 ANTELOPE CREEK RD STE 200 P: 402-488-0075
LINCOLN, NE 68506 F: 402-488-0272

A1 SITE PLAN - ELECTRICAL

E001 SCALE: 1"=20'-0"

SSH

SSH ARCHITECTURE
Architecture & Construction Consulting Services
6240 Ballard Ave, Suite A, Lincoln, NE 68507
(402) 483-2893
www.SSH-Arch.com E-MAIL: corp@ssh-arch.com

Sidney RC Interior Sustainment #31030399
2225 Legion Park Road
Sidney, Nebraska 69162

PROJECT #: 2519 DATE: 03 / 24 / 2026

MARK	DESCRIPTION	DATE
1	Addendum#2	04-30-2026

REVIEWED BY:

SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

PROFESSIONAL ELECTRICAL ENGINEER
4/30/2026
REBECCA ANN FURTADO
E-18192
STATE OF NEBRASKA

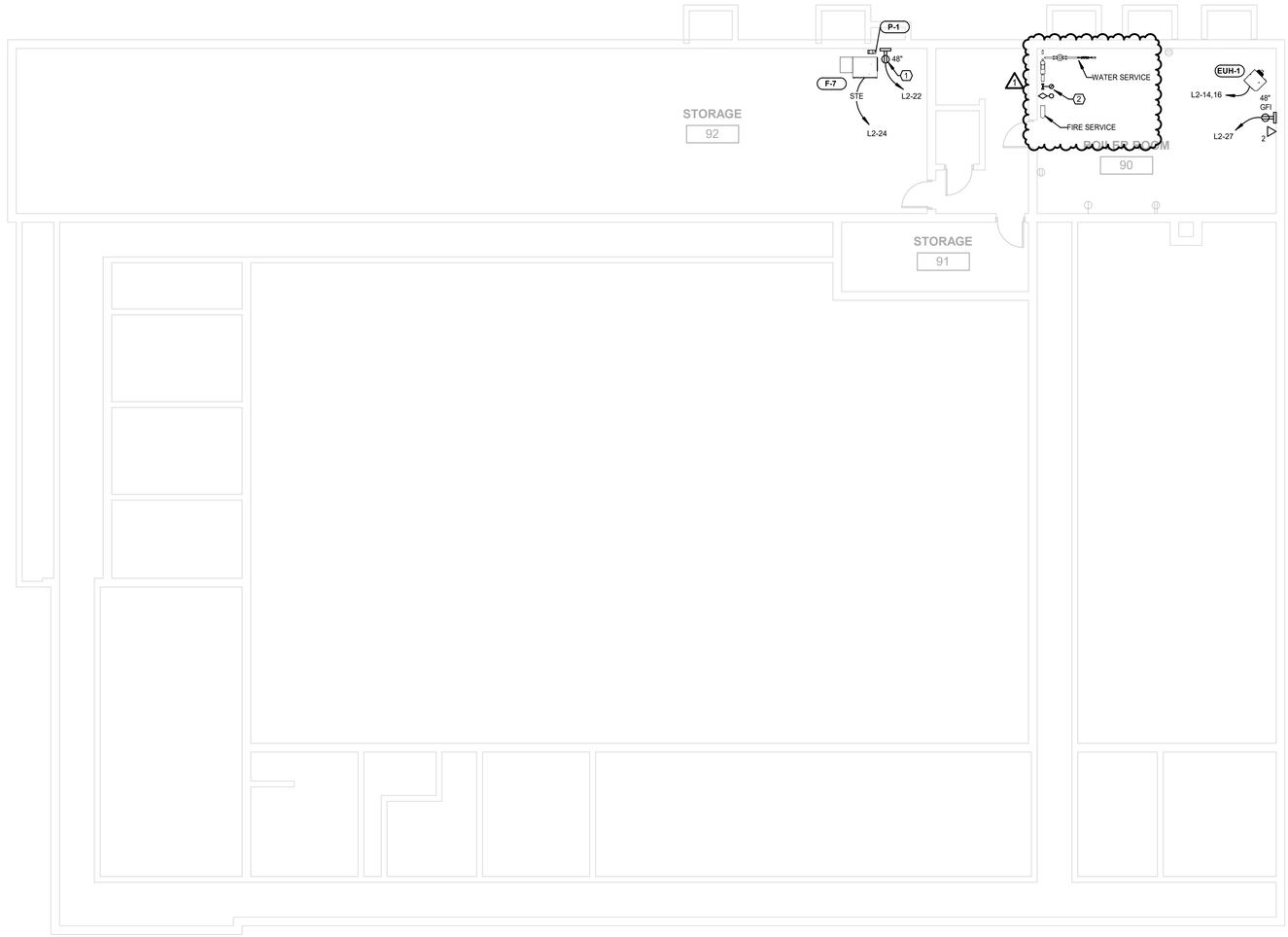
PROFESSIONAL SEAL

DRAWING TITLE:
SITE PLAN - ELECTRICAL

SHEET #:
E001

Attachment #6

PLOT: SSH Arch_ 4/30/2026 12:30:13 PM _90%_ Rev # 1_ Addendum#1



KEY NOTES

SYMBOL = (X)

1 PROVIDE DEDICATED RECEPTACLE FOR P-1

2 CONNECT TAMPER/FLOW SWITCHES TO EXISTING FIRE ALARM SYSTEM.

A1 | LOWER LEVEL PLAN - POWER

E201 | SCALE: 1/8"=1'-0"

B14 | KEYNOTES

E201 | SCALE: NONE

ADVANCED ENGINEERING SYSTEMS
CERTIFICATE OF AUTHORIZATION # CA1800
www.a-e-sys.com PROJECT# 25178
4630 ANTELOPE CREEK RD STE 200 LINCOLN, NE 68506
P: 402-488-0075 F: 402-488-0272

SSH ARCHITECTURE
Architecture & Construction Consulting Services
6240 Ballard Ave, Suite A, Lincoln, NE 68507
(402) 483-2893
www.SSH-Arch.com E-MAIL: corp@ssh-arch.com

Sidney RC Interior Sustainment #31030399

2225 Legion Park Road
Sidney, Nebraska 69162

DATE: 03 / 24 / 2026
REVIEWED BY:

MARK	DESCRIPTION	DATE
1	Addendum#2	04-30-2026

PROJECT #: 2519

SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

PROFESSIONAL ELECTRICAL ENGINEER
4/30/2026
REBECCA ANN FURTADO
E-16152
STATE OF NEBRASKA

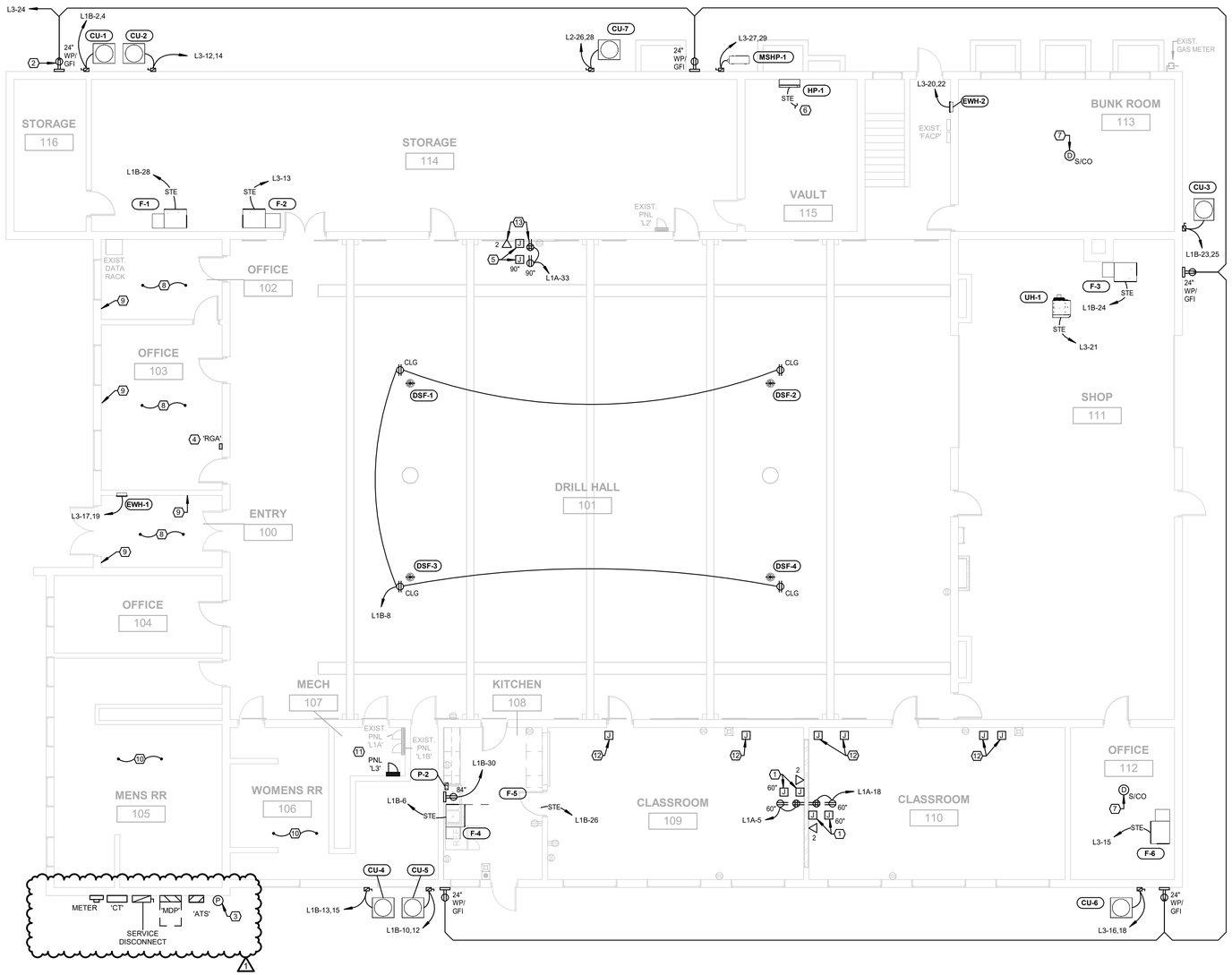
PROFESSIONAL SEAL

DRAWING TITLE:
LOWER FLOOR PLAN - POWER

SHEET #:
E201

Attachment #6

PLOT: SSH Arch_ 4/30/2026 12:30:14 PM _90%_ Rev # 1_ Addendum# 1



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

KEY NOTES

SYMBOL = (X)

1. PROVIDE ONE (1) HDMI CABLE WITH TERMINATIONS ON BOTH ENDS IN 1 1/4"CONDUIT.
2. TYPICAL. PROVIDE WEATHER RESISTANT TAMPER PROOF GFI RECEPTACLE WITH IN-USE COVER AT 24" AFG.
3. GENERATOR EMERGENCY STOP SWITCH WITH PROTECTIVE COVER. LABEL WITH APPROPRIATE SIGNAGE. VERIFY LOCATION WITH OWNER.
4. REMOTE GENERATOR ANNUNCIATOR PANEL. VERIFY LOCATION WITH OWNER.
5. PROVIDE ONE (1) HDMI CABLE WITH TERMINATIONS ON BOTH ENDS. ROUTE THROUGH WHITE WIREMOLD 4000 SERIES OR EQUAL.
6. CONNECT TO MINI SPLIT OUTDOOR UNIT. PROVIDE INTER-UNIT POWER SUPPLY/CONTROL LINE BETWEEN INDOOR/OUTDOOR UNITS. INSTALL PER MANUFACTURER.
7. PROVIDE NEW COMBO SMOKE/CARBON MONOXIDE SMOKE DETECTOR. EXTEND WIRING AND CONDUIT AS REQUIRED TO CONNECT TO EXISTING SILENT KNIGHT FIRE ALARM SYSTEM.
8. NEW CONDUIT TO BE ROUTED ABOVE NEW CEILING AS HIGH AS POSSIBLE. COORDINATE INSTALL WITH MECHANICAL CONTRACTOR PRIOR TO STARTING WORK.
9. EXISTING SECURITY SYSTEM CONDUIT TO BE REWORKED TO ABOVE NEW CEILING.
10. NEW CONDUIT TO BE ROUTED ABOVE CEILING AS HIGH AS POSSIBLE. COORDINATE INSTALL WITH MECHANICAL CONTRACTOR PRIOR TO STARTING WORK.
11. NEW CONDUIT TO BE ROUTED AROUND DRILL HALL, NOT THROUGH DRILL HALL, TO EXTENT POSSIBLE. CONCEAL ABOVE CEILINGS AND IN NEW SOFFIT. KEEP CONDUIT AS HIGH AS POSSIBLE.
12. EXISTING J-BOX TO BE RELOCATED. MOUNT J-BOX IN NEW SOFFIT SUCH THAT THE J-BOX CAN BE ACCESSED THROUGH PROVIDED ACCESS PANEL.
13. ROUTE POWER AND DATA CONDUIT EXPOSED IN STORAGE ROOM 114 AND THROUGH WALL TO DEVICE LOCATION.

B14	KEYNOTES
E202	SCALE: NONE

A1	MAIN LEVEL PLAN - POWER
E202	SCALE: 1/8"=1'-0"

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(402) 483-2893
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Sidney RC Interior Sustainment #31030399
2225 Legion Park Road
Sidney, Nebraska 69162

PROJECT #: 2519
DATE: 03 / 24 / 2026
REVIEWED BY:

MARK	DESCRIPTION	DATE
1	Addendum#2	04-30-2026

SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

PROFESSIONAL ENGINEER — REBECCA ANN FURTADO — E-16152 — 4/30/2026 — STATE OF NEBRASKA

PROFESSIONAL SEAL

DRAWING TITLE:
MAIN FLOOR PLAN - POWER

SHEET #:
E202

AES ADVANCED ENGINEERING SYSTEMS
CERTIFICATE OF AUTHORIZATION # CA1800
www.a-e-sys.com PROJECT# 25178
4630 ANTELOPE CREEK RD STE 200 P: 402-488-0075
LINCOLN, NE 68506 F: 402-488-0272

Attachment #6

PANEL SCHEDULE: PANEL 'L3'

LOCATION: MECH 107
SUPPLY FROM: ATS 600, 120/240, Single Phase, 3...
MOUNTING: Surface
ENCLOSURE: TYPE 1

VOLTS: 120/240 Single
PHASES: 1
WIRES: 3

KAIC RATING: 22
MAINS TYPE: MCB
MAINS RATING: 400
MCB RATING: 400

PANEL SCHEDULE GENERAL NOTES:
A. COPPER BUS/100% RATED COPPER NEUTRAL.

NOTE	CKT	CIRCUIT DESCRIPTION	AMP	POLE	A		B		POLE	AMP	CIRCUIT DESCRIPTION	CKT	NOTE
	L3-1											L3-2	
	L3-3											L3-4	
	L3-5	RTU-1	60	2	4680	5160			2	20	RTU-2	L3-6	
--	L3-7	--	--	--			4680	5160	--	--	--	L3-8	--
	L3-9	RTU-3	60	2	4680	540			1	20	RCPT RTU-1, 2, 3	L3-10	
--	L3-11	--	--	--			4680	2112	2	20	CU-2	L3-12	
	L3-13	F-2	15	1	1608	2112			--	--	--	L3-14	--
	L3-15	F-6	15	1			1176	1980	2	25	CU-6	L3-16	
	L3-17	EWH-1	25	2	2400	1980			--	--	--	L3-18	--
--	L3-19	--	--	--			2400	2400	2	25	EWH-2	L3-20	
	L3-21	UH-1	20	1	516	2400			--	--	--	L3-22	--
	L3-23	RCPT ROOF	20	1			180	900	1	20	RCPT EXTERIOR	L3-24	
	L3-25	EF-1	20	1	696	528			1	20	EF-2	L3-26	
	L3-27	MSHP-1	20	2			1920					L3-28	
--	L3-29	--	--	--	1920							L3-30	
	L3-31											L3-32	
	L3-33											L3-34	
	L3-35											L3-36	
	L3-37											L3-38	
	L3-39											L3-40	
	L3-41											L3-42	

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
HVAC	55188	75.00%	41391
Receptacle	1620	100.00%	1620

PANEL TOTALS	
TOTAL CONN. LOAD:	56808
TOTAL EST. DEMAND:	43011
TOTAL CONN. CURRENT:	237
TOTAL EST. DEMAND CURRENT:	179

NOTES:

Distribution Panel: MDP

Location: EXTERIOR
Supply From: SERVICE
Mounting: Surface
Enclosure: 3R

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 42KA
Mains Type: MCB
Mains Rating: 600
MCB Rating: 600

Notes:
A. CALCULATIONS REFLECT ADDED LOAD. EXISTING FACILITY LOAD IS 37KW PER UTILITY.

CKT	Circuit Description	# of Poles	Trip Rating	Load	Conductors	Ground	Conduit	Notes
1	'ATS' ('L3')	2	400	56808				
2	EXIST. PNL 'L1A'	2	200	1620				
3	EXIST. PNL 'L1B'	2	200	27488				
4	SPACE	1	--	--				
5	SPACE	1	--	--				
6	SPACE	1	--	--				
7	SPACE	1	--	--				
8	SPACE	1	--	--				
9	SPACE	1	--	--				
			Total Conn. Load:	85916				
			Total Amps:	358				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	75516	75.00%	56637		
Motor	6260	121.17%	7585	Total Conn. Load:	85916
Receptacle	4140	100.00%	4140	Total Est. Demand:	68362
				Total Conn. Current:	358
				Total Est. Demand Current:	285

Notes:

PANEL SCHEDULE: EXISTING PANEL 'L1A'

LOCATION: MECH 107
SUPPLY FROM: MDP
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTS: 120/240 Single
PHASE: 1
WIRES: 3

KAIC RATING: 10
MAINS TYPE: MCB
MAINS RATING: 200
MCB RATING: 200

PANEL SCHEDULE GENERAL NOTES:
A. PANEL IS EXISTING SQUARE D TO REMAIN. UPDATE DIRECTORY AS NEEDED.
B. THIS PANEL SCHEDULE INDICATES EXISTING CIRCUITING INFORMATION TO THE EXTENT KNOWN. FIELD VERIFY EXISTING CONDITIONS.

NOTE	CKT	CIRCUIT DESCRIPTION	AMP	POLE	A		B		POLE	AMP	CIRCUIT DESCRIPTION	CKT	NOTE
	L1A-1	EXISTING CIRCUIT	20	1	0	0			1	20	EXISTING CIRCUIT	L1A-2	
	L1A-3	LTS KITCH, BATHRM, JAN	20	1			0	0	1	20	EXISTING CIRCUIT	L1A-4	
2	**L1A-5**	**RCPT CLASSRM 109 A/V**	**20**	**1**	540	0			1	20	LTS WEST DRILL HALL	L1A-6	
	L1A-7	LTS HALLWAY	20	1			0	0	1	20	LTS WEST DRILL HALL	L1A-8	
	L1A-9	LTS WEST DRILL HALL	20	1	0	0			1	20	LTS CENTER DRILL HALL	L1A-10	
	L1A-11	LTS CENTER DRILL HALL	20	1			0	0	1	20	LTS CENTER DRILL HALL	L1A-12	
	L1A-13	LTS CENTER DRILL HALL	20	1	0	0			1	20	LTS EAST DRILL HALL	L1A-14	
	L1A-15	LTS EAST DRILL HALL	20	1			0	0	1	20	LTS EAST DRILL HALL	L1A-16	
	L1A-17	LTS EAST DRILL HALL	20	1	0	540			1	20	**RCPT CLASSRM 110 A/V**	**L1A-18**	**1**
	L1A-19	RCPT WOMEN RR	20	1			0	0	1	20	RCPT KITCHEN	L1A-20	
	L1A-21	RCPT KITCHEN	20	1	0	0			1	20	RCPT DRILL HALL, OFFICE	L1A-22	
	L1A-23	EXISTING CIRCUIT	20	1			0	0	1	20	RCPT DRILL HALL SOUTH	L1A-24	
	L1A-25	LTS EXIT	20	1	0	0			1	20	RCPT DAY RM	L1A-26	
	L1A-27	LTS EXIT	20	1			0	0	1	20	RCPT OFFICE	L1A-28	
	L1A-29	HOT WATER HEATER	125	2	0	0			1	20	LTS MENS RR	L1A-30	
--	L1A-31	--	--	--			0	0	1	20	MENS SHOWER FAN	L1A-32	
1	**L1A-33**	**RCPT NW DRILL HALL A/V**	20	1	540	0			1	20	WOMENS RR EXHAUST FAN	L1A-34	
	L1A-35	WOMENS SHOWER FAN	20	1			0	0	1	20	RCPT MENS RR	L1A-36	
	L1A-37					0			1	20	MENS RR EXHAUST FAN	L1A-38	
	L1A-39	SPACE	--	1			--	--	1	--	SPACE	L1A-40	
	L1A-41	SPACE	--	1	--	--			1	--	SPACE	L1A-42	

NOTES:
1. **REMOVE EXISTING CIRCUIT. BREAKER TO REMAIN FOR NEW CIRCUIT.**
2. **PROVIDE NEW BREAKER FOR EXISTING SPACE.**

PANEL SCHEDULE: EXISTING PANEL 'L1B'

LOCATION: MECH 107
SUPPLY FROM: MDP
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTS: 120/240 Single
PHASE: 1
WIRES: 3

KAIC RATING: 10
MAINS TYPE: MCB
MAINS RATING: 200
MCB RATING: 200

PANEL SCHEDULE GENERAL NOTES:
A. PANEL IS EXISTING SQUARE D TO REMAIN. UPDATE DIRECTORY AS NEEDED.
B. THIS PANEL SCHEDULE INDICATES EXISTING CIRCUITING INFORMATION TO THE EXTENT KNOWN. FIELD VERIFY EXISTING CONDITIONS.

NOTE	CKT	CIRCUIT DESCRIPTION	AMP	POLE	A		B		POLE	AMP	CIRCUIT DESCRIPTION	CKT	NOTE
	L1B-1	EXISTING SUB PNL 'L2'	125	2	4762	1632			2	20	**CU-1**	**L1B-2**	**1**
--	L1B-3	--	--	--			5626	1632	--	--	--	**L1B-4**	**--**
	L1B-5	WELDER	20	2	0	1164			1	20	**F-4**	**L1B-6**	**1**
--	L1B-7	--	--	--			0	720	1	20	**RCPT DSF-1, 2, 3, 4**	**L1B-8**	**1**
	L1B-9	RIFLE RANGE HEATER	20	2	0	1632			2	20	**CU-5**	**L1B-10**	**1**
--	L1B-11	--	--	--			0	1632	--	--	--	**L1B-12**	**--**
1	**L1B-13**	**CU-4**	50	2	1632	0			2	50	EXISTING A/V PNL	L1B-14	
--	**L1B-15**	**--**	--	--			1632	0	--	--	--	L1B-16	--
	L1B-17	EXISTING CIRCUIT	20	2	0	0			1	20	RCPT C CLASSRM	L1B-18	
--	L1B-19	--	--	--			0	0	1	20	RCPT B & C CLASSRM	L1B-20	
	L1B-21	LTS JANITOR	20	1	0	0			1	20	RCPT EXTERIOR	L1B-22	
1	**L1B-23**	**CU-3**	20	2			1308	1164	**1**	**15**	**F-3**	**L1B-24**	**2**
--	**L1B-25**	**--**	--	--	1308	0			**1**	**15**	**F-5**	**L1B-26**	**2**
	L1B-27	EXISTING CIRCUIT	60	2			0	1164	**1**	**15**	**F-1**	**L1B-28**	**2**
--	L1B-29	--	--	--	0	480			**1**	**20**	**RCPT P-2**	**L1B-30**	**3**
	L1B-31	EXISTING CIRCUIT	15	2			0	0	1	20	RCPT VA OFFICE WEST	L1B-32	
--	L1B-33	--	--	--	0	0			1	20	RCPT VA OFFICE EAST	L1B-34	
	L1B-35	SPACE	--	1			--	--	1	--	SPACE	L1B-36	
	L1B-37	SPACE	--	1	--	--			1	--	SPACE	L1B-38	
	L1B-39	SPACE	--	1			--	--	1	--	SPACE	L1B-40	
	L1B-41	SPACE	--	1	--	--			1	--	SPACE	L1B-42	

NOTES:
1. **REMOVE EXISTING CIRCUIT. BREAKER TO REMAIN FOR NEW CIRCUIT.**
2. **REMOVE EXISTING CIRCUIT. PROVIDE NEW BREAKER FOR NEW CIRCUIT.**
3. **REMOVE EXISTING CIRCUIT. PROVIDE NEW GFI BREAKER FOR NEW CIRCUIT.**

PANEL SCHEDULE: EXISTING PANEL 'L2'

LOCATION: STORAGE 114
SUPPLY FROM: EXISTING PANEL 'L1B'
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTS: 120/240 Single
PHASE: 1
WIRES: 3

KAIC RATING: 10
MAINS TYPE: MLO
MAINS RATING: 200
MCB RATING:

PANEL SCHEDULE GENERAL NOTES:
A. PANEL IS EXISTING TO REMAIN.
B. THIS PANEL SCHEDULE INDICATES EXISTING CIRCUITING INFORMATION TO THE EXTENT KNOWN. FIELD VERIFY EXISTING CONDITIONS.

NOTE	CKT	CIRCUIT DESCRIPTION	AMP	POLE	A		B		POLE	AMP	CIRCUIT DESCRIPTION	CKT	NOTE
	L2-1	EXISTING CIRCUIT	20	1	0	0			1	20	RCPT SOUTHWEST DAY RM	L2-2	
	L2-3	LTS HALLWAY	20	1			0	0	1	20	LTS FLAG / WEST RM	L2-4	
	L2-5	EXISTING CIRCUIT	20	1	0	0			1	20	RCPT SUPPLY RM	L2-6	
	L2-7	RCPT DAY RM	20	1			0	0	1	20	LTS BACK RIFLE RANGE	L2-8	
	L2-9	LTS RIFLE RANGE	20	1	0	0			1	20	LTS SHOP AREA	L2-10	
	L2-11	LTS RIFLE RANGE	20	1			0	0	1	20	RCPT BOILER RM	L2-12	
	L2-13	RCPT SHOP AREA	20	1	0	2650			2	30	**EUH-1**	**L2-14**	**1**
	L2-15	LTS SUPPLY RM	20	1			0	2650	--	--	**--**	**L2-16**	**--**
	L2-17	LTS DAY RM	20	1	0	0			1	20	EXISTING CIRCUIT	L2-18	
	L2-19	DAY RM EXHAUST FAN	20	1			0	0	1	20	LTS RIFLE RANGE	L2-20	
	L2-21	VAULT ALARM	20	1	0	480			**1**	**20**	**RCPT P-1**	**L2-22**	**3**
	L2-23	RCPT VAULT SOUTH WALL	20	1			0	1164	**1**	**15**	**F-7**	**L2-24**	**2**
	L2-25	EXISTING 'FACP'	20	1	0	1632			**2**	**20**	**CU-7**	**L2-26**	**2**
2	**L2-27**	**RCPT BMS**	**20**	**1**			180	1632	**--**	**--**	**--**	**L2-28**	**--**
	L2-29	SPACE	--	1	--	--			1	--	SPACE	L2-30	

NOTES:
1. **REMOVE EXISTING CIRCUIT. BREAKER TO REMAIN FOR NEW CIRCUIT.**
2. **PROVIDE NEW BREAKER FOR EXISTING SPACE.**
3. **PROVIDE NEW GFI BREAKER FOR EXISTING SPACE.**

SSH

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Sidney RC Interior
Sustainment #31030399
2225 Legion Park Road
Sidney, Nebraska 69162

DATE: 03 / 24 / 2026
PROJECT #: 2519

MARK	DESCRIPTION	DATE
1	Addendum#2	04-30-2026

REVIEWED BY:

SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

PROFESSIONAL ELECTRICAL ENGINEER
4/30/2026
REBECCA ANN FURTADO
E-18102
STATE OF NEBRASKA
PROFESSIONAL SEAL

DRAWING TITLE:
PANEL SCHEDULES

SHEET #:
E301

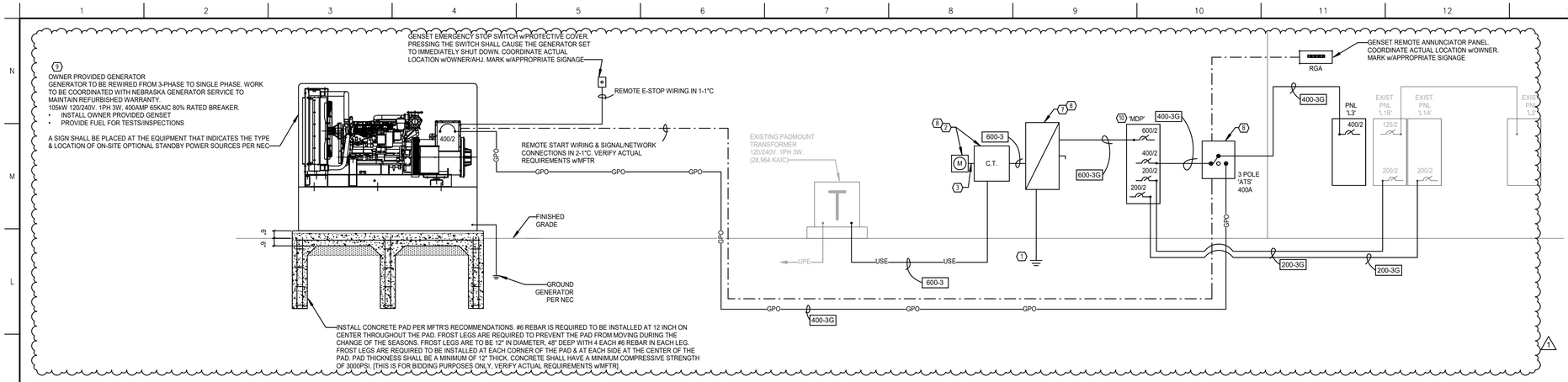
AES ADVANCED ENGINEERING SYSTEMS
CERTIFICATE OF AUTHORIZATION # CA1800
www.a-e-sys.com PROJECT # 25178
4630 ANTELOPE CREEK RD STE 200 P: 402-488-0075
LINCOLN, NE 68506 F: 402-488-0272

A1	NEW PANEL SCHEDULES	A10	EXISTING PANEL SCHEDULES
E301	SCALE: NONE	E301	SCALE: NONE

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

PLOT: SSH Arch_ 4/30/2026 1:01:48 PM _90%_ Rev #1_ Addendum#1

Attachment #6



K1 | ELECTRICAL RISER DIAGRAM - NEW

E401 | SCALE: NONE

FEEDER SCHEDULE

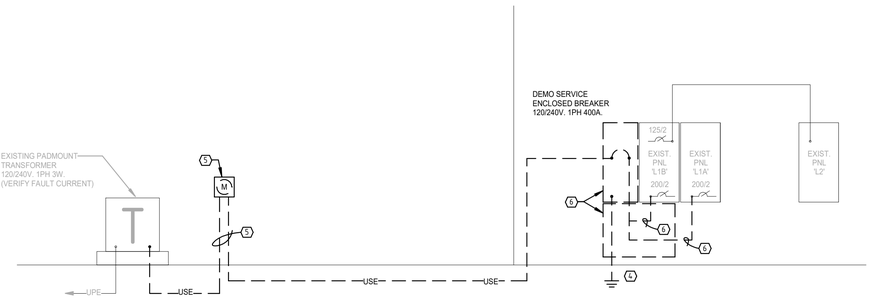
TAG	COPPER	ALUMINUM
2 WIRE + GROUND		
20-2G	(2)#12, (1)#12 GND IN 3/4"C	NOT ALLOWED
30-2G	(2)#10, (1)#10 GND IN 3/4"C	NOT ALLOWED
40-2G	(2)#8, (1)#10 GND IN 3/4"C	NOT ALLOWED
50-2G	(2)#6, (1)#10 GND IN 3/4"C	NOT ALLOWED
60-2G	(2)#4, (1)#10 GND IN 1"C	NOT ALLOWED
70-2G	(2)#4, (1)#8 GND IN 1"C	NOT ALLOWED
80-2G	(2)#3, (1)#8 GND IN 1"C	NOT ALLOWED
90-2G	(2)#2, (1)#8 GND IN 1"C	(2)#1/0, (1)#8 CU GND IN 1-1/4"C
100-2G	(2)#1, (1)#8 GND IN 1-1/4"C	(2)#1/0, (1)#8 CU GND IN 1-1/4"C
3 WIRE + GROUND		
20-3G	(3)#12, (1)#12 GND IN 3/4"C	NOT ALLOWED
30-3G	(3)#10, (1)#10 GND IN 3/4"C	NOT ALLOWED
40-3G	(3)#8, (1)#10 GND IN 3/4"C	NOT ALLOWED
50-3G	(3)#6, (1)#10 GND IN 1"C	NOT ALLOWED
60-3G	(3)#4, (1)#10 GND IN 1"C	NOT ALLOWED
70-3G	(3)#4, (1)#8 GND IN 1-1/4"C	NOT ALLOWED
80-3G	(3)#3, (1)#8 GND IN 1-1/4"C	NOT ALLOWED
90-3G	(3)#2, (1)#8 GND IN 1-1/4"C	(3)#1/0, (1)#8 CU GND IN 1-1/2"C
100-3G	(3)#1, (1)#8 GND IN 1-1/2"C	(3)#1/0, (1)#8 CU GND IN 1-1/2"C
110-3G	(3)#1, (1)#6 GND IN 1-1/2"C	(3)#1/0, (1)#6 CU GND IN 1-1/2"C
125-3G	(3)#1/0, (1)#6 GND IN 1-1/2"C	(3)#2/0, (1)#6 CU GND IN 2"C
150-3G	(3)#1/0, (1)#6 GND IN 1-1/2"C	(3)#3/0, (1)#6 CU GND IN 2"C
175-3G	(3)#2/0, (1)#6 GND IN 2"C	(3)#4/0, (1)#6 CU GND IN 2"C
200-3G	(3)#3/0, (1)#6 GND IN 2"C	(3)250 KCMIL, (1)#6 CU GND IN 2-1/2"C
225-3G	(3)#4/0, (1)#4 GND IN 2"C	(3)300 KCMIL, (1)#4 CU GND IN 2-1/2"C
250-3G	(3)250 KCMIL, (1)#4 GND IN 2-1/2"C	(3)350 KCMIL, (1)#4 CU GND IN 3"C
300-3G	(3)350 KCMIL, (1)#4 GND IN 3"C	(3)500 KCMIL, (1)#4 CU GND IN 3"C
350-3G	(3)500 KCMIL, (1)#3 GND IN 3"C	2 SETS OF (3)#4/0, (1)#3 CU GND IN 2"C
400-3G	2 SETS OF (3)#3/0, (1)#3 GND IN 2"C	2 SETS OF (3)250 KCMIL, (1)#3 CU GND IN 2-1/2"C
450-3G	2 SETS OF (3)#4/0, (1)#2 GND IN 2"C	2 SETS OF (3)300 KCMIL, (1)#1/0 GND IN 2-1/2"C
500-3G	2 SETS OF (3)250 KCMIL, (1)#2 GND IN 2-1/2"C	2 SETS OF (3)350 KCMIL, (1)#1/0 GND IN 3"C
600-3G	2 SETS OF (3)350 KCMIL, (1)#1 GND IN 3"C	2 SETS OF (3)500 KCMIL, (1)#2/0 GND IN 3"C
700-3G	2 SETS OF (3)500 KCMIL, (1)#1/0 GND IN 3"C	3 SETS OF (3)350 KCMIL, (1)#3/0 GND IN 3"C
800-3G	3 SETS OF (3)300 KCMIL, (1)#1/0 GND IN 2-1/2"C	3 SETS OF (3)400 KCMIL, (1)#3/0 GND IN 3"C
3 WIRE - NO GROUND		
60-3	(3)#4 IN 1"C	NOT ALLOWED
70-3	(3)#4 IN 1"C	NOT ALLOWED
80-3	(3)#3 IN 1-1/4"C	NOT ALLOWED
90-3	(3)#2 IN 1-1/4"C	(3)#1/0 IN 1-1/2"C
100-3	(3)#1 IN 1-1/4"C	(3)#1/0 IN 1-1/2"C
110-3	(3)#1 IN 1-1/4"C	(3)#1/0 IN 1-1/2"C
125-3	(3)#1/0 IN 1-1/2"C	(3)#2/0 IN 1-1/2"C
150-3	(3)#1/0 IN 1-1/2"C	(3)#3/0 IN 2"C
175-3	(3)#2/0 IN 1-1/2"C	(3)#4/0 IN 2"C
200-3	(3)#3/0 IN 2"C	(3)250 KCMIL IN 2-1/2"C
225-3	(3)#4/0 IN 2"C	(3)300 KCMIL IN 2-1/2"C
250-3	(3)250 KCMIL IN 2-1/2"C	(3)350 KCMIL IN 2-1/2"C
300-3	(3)350 KCMIL IN 2-1/2"C	(3)500 KCMIL IN 3"C
350-3	(3)500 KCMIL IN 3"C	2 SETS OF (3)#4/0 IN 2"C
400-3	2 SETS OF (3)#3/0 IN 2"C	2 SETS OF (3)250 KCMIL IN 2-1/2"C
450-3	2 SETS OF (3)#4/0 IN 2"C	2 SETS OF (3)300 KCMIL IN 2-1/2"C
500-3	2 SETS OF (3)250 KCMIL IN 2-1/2"C	2 SETS OF (3)350 KCMIL IN 2-1/2"C
600-3	2 SETS OF (3)350 KCMIL IN 2-1/2"C	2 SETS OF (3)500 KCMIL IN 3"C
700-3	2 SETS OF (3)500 KCMIL IN 3"C	3 SETS OF (3)350 KCMIL IN 2-1/2"C
800-3	3 SETS OF (3)300 KCMIL IN 2-1/2"C	3 SETS OF (3)400 KCMIL IN 3"C
EQUIPMENT		
MECH	REFER TO EQUIPMENT CONNECTION SCHEDULE	REFER TO EQUIPMENT CONNECTION SCHEDULE
XFMR	REFER TO TRANSFORMER SCHEDULE	REFER TO TRANSFORMER SCHEDULE

FEEDER SCHEDULE GENERAL NOTES:

A. THIS IS A MASTER SCHEDULE. ALL SIZES MAY NOT OCCUR IN ALL PROJECTS.
B. ALUMINIMUM CONDUCTORS (LINE, NEUTRAL, OR GROUND) SMALLER THAN #1/0 ARE NOT ALLOWED. WHEN ALUMINUM FEEDERS ARE ALLOWED, FOR ALUMINUM FEEDERS WHERE THE ALUMINUM GROUND CONDUCTOR SIZE WOULD BE SMALLER THAN #1/0, PROVIDE COPPER GROUND CONDUCTOR AS INDICATED.
C. FIELD VERIFY CABLE SIZES DO NOT RESULT IN TOTAL CIRCUIT VOLTAGE DROP GREATER THAN 5% AFTER ACCOUNTING FOR INTENDED CABLE ROUTING.

A1 | FEEDER SCHEDULE

E401 | SCALE: NONE



F7 | ELECTRICAL RISER DIAGRAM - DEMO

E401 | SCALE: NONE

EQUIPMENT CONNECTION SCHEDULE

TAG	DESCRIPTION	DATA KW	HP	FLA	MCA	MOCP	VOLTAGE	PHASE	CONNECTION FEEDER	PLUG	NEMA CONFIG.	DIRECT	DISCONNECT	MOTOR STARTER	NOTES
CU-1	CONDENSING UNIT				14	20	240	1	20-2G			X	30A NEMA 3R FUSED AT 20A		
CU-2	CONDENSING UNIT				18	30	240	1	30-2G			X	30A NEMA 3R FUSED AT 30A		
CU-3	CONDENSING UNIT				11	15	240	1	20-2G			X	30A NEMA 3R FUSED AT 15A		
CU-4	CONDENSING UNIT				14	20	240	1	20-2G			X	30A NEMA 3R FUSED AT 20A		
CU-5	CONDENSING UNIT				14	20	240	1	20-2G			X	30A NEMA 3R FUSED AT 20A		
CU-6	CONDENSING UNIT				17	25	240	1	30-2G			X	30A NEMA 3R FUSED AT 25A		
CU-7	CONDENSING UNIT				14	20	240	1	20-2G			X	30A NEMA 3R FUSED AT 20A		
DSF-1	DESTRATIFICATION FAN		FRAC			20	120	1	20-2G	X	5-20				
DSF-2	DESTRATIFICATION FAN		FRAC			20	120	1	20-2G	X	5-20				
DSF-3	DESTRATIFICATION FAN		FRAC			20	120	1	20-2G	X	5-20				
DSF-4	DESTRATIFICATION FAN		FRAC			20	120	1	20-2G	X	5-20				
EF-1	EXHAUST FAN		0.25			15	120	1	20-2G			X	NEMA 3R NON-FUSED		
EF-2	EXHAUST FAN		FRAC			15	120	1	20-2G			X	NEMA 3R NON-FUSED		
EUH-1	ELECTRIC UNIT HEATER	5				30	240	1	30-2G			X	INTEGRAL		
EWH-1	ELECTRIC WALL HEATER	4.8				25	240	1	30-2G			X	INTEGRAL		
EWH-2	ELECTRIC WALL HEATER	4.8				25	240	1	30-2G			X	INTEGRAL		
F-1	FURNACE				10	15	120	1	20-2G			X	STE		
F-2	FURNACE				13	15	120	1	20-2G			X	STE		
F-3	FURNACE				10	15	120	1	20-2G			X	STE		
F-4	FURNACE				10	15	120	1	20-2G			X	STE		
F-5	FURNACE				10	15	120	1	20-2G			X	STE		
F-6	FURNACE				10	15	120	1	20-2G			X	STE		
F-7	FURNACE				10	15	120	1	20-2G			X	STE		
HP-1	HEAT PUMP						240	1	20-2G			X	STE		1
MSHP-1	MINI SPLIT HEAT PUMP				16	20	240	1	20-2G			X	30A NEMA 3R FUSED AT 20A		
P-1	CONDENSATE PUMP		FRAC			20	120	1	20-2G	X	5-20				
P-2	CONDENSATE PUMP		FRAC			20	120	1	20-2G	X	5-20				
RTU-1	ROOFTOP UNIT				39	60	240	1	60-2G			X	60A NEMA 3R FUSED AT 60A		
RTU-2	ROOFTOP UNIT				43	60	240	1	60-2G			X	60A NEMA 3R FUSED AT 60A		
RTU-3	ROOFTOP UNIT				39	60	240	1	60-2G			X	60A NEMA 3R FUSED AT 60A		
UH-1	UNIT HEATER				4	20	120	1	20-2G			X	STE		

A7 | EQUIPMENT CONNECTION SCHEDULE

E401 | SCALE: NONE

ELECTRICAL RISER DIAGRAM NOTES

POINTS OF CONTACT — KEY NOTE SYMBOL = (X)

- ELECTRICAL UTILITY: CITY OF SIDNEY
  NAME: TOM MATHINE
  PHONE: (308)249-3673

GENERAL NOTES

A. CONTRACTOR IS RESPONSIBLE FOR ALL SITE WORK REQUIRED BY UTILITIES & FOR CLEARING OVERHEAD/UNDERGROUND ROUTES. VISIT JOB SITE & ADAPT TO ACTUAL SITE CONDITIONS.

B. SERVICE-ENTRANCE CONDUITS MUST BE INSTALLED PER UTILITY SPECIFICATIONS & INSPECTED PRIOR TO BEING COVERED. ALL CONDUITS SHALL INCLUDE A PULL ROPE.

C. ALL CONDUCTORS SHALL BE COPPER, UNLESS NOTED OTHERWISE.

D. EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL WIRE. ONE GREEN EQUIPMENT GROUND WIRE SHALL BE INSTALLED IN EACH CONDUIT.

E. COORDINATE ALL REQUIREMENTS WITH UTILITY.

F. AID TO CONSTRUCTION: ANY COSTS ASSOCIATED WITH THE INSTALLATION OF THE TRANSFORMER AND PRIMARY SERVICE SHALL NOT BE INCLUDED IN THIS BID, BUT SHALL BE PAYABLE BY THE OWNER DIRECTLY TO THE UTILITY. (FINAL UTILITY COSTS TBD)

G. CONDUIT RUNS ARE DIAGRAMMATIC AND SHOWN FOR INFORMATIONAL PURPOSES ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD.

H. COORDINATE EXACT LOCATION OF TRANSFORMER WITH UTILITY. VERIFY CONDUIT SIZE AND QUANTITIES WITH UTILITY PRIOR TO COMMENCING ANY WORK.

I. VERIFY EXACT LOCATION OF ALL UNDERGROUND SECONDARY SERVICES. RE-FEED FROM RELOCATED TRANSFORMER.

J. VERIFY ALL PANEL FEEDERS TO BE REMOVED. CONTRACTOR SHALL TRACE THROUGH EXISTING CIRCUITS AND FEEDERS BEFORE COMMENCING WORK. ALL EXISTING CIRCUITS IN REMAINING BUILDINGS SHALL BE MAINTAINED.

K. BOLD DASHED PRINT INDICATES DEMOLITION AND SHALL BE REMOVED. LIGHT SHADE INDICATES EXISTING AND SHALL BE PROTECTED. RETEST ALL AFFECTED DEVICES TO ENSURE INTEGRITY.

KEY NOTES

1. SEE SERVICE GROUNDING DETAIL.
2. CT CABINET AND METER SOCKET BY CONTRACTOR. CTs AND METER BY UTILITY. VERIFY ALL REQUIREMENTS WITH UTILITY.
3. 1" RGS CONDUIT.
4. REMOVE NEUTRAL TO GROUND BOND AND REISTABLISH AT THE NEW 600A EXTERIOR PANEL. SEE ELECTRICAL RISER DIAGRAM - NEW.
5. REMOVE EXISTING METER AND FEEDER CONDUIT AND WIRING AS SHOWN. SEE ELECTRICAL RISER DIAGRAM - NEW FOR NEW CONNECTION.
6. REMOVE EXISTING ENCLOSED BREAKER, JUNCTION BOX, AND FEEDERS TO PANELS 'L1B' AND 'L1A'.
7. PROVIDE 600A 120/240V 1PH 3W FUSED SERVICE DISCONNECT WITH CLASS T CURRENT LIMITING FUSE.
8. PROVIDE WITH NEMA 3R LOCKABLE ENCLOSURE.
9. GENSET IS BEING REFURBISHED BY OWNER/CONTRACTOR TO CHANGE FROM 3 PHASE TO 1 PHASE. COORDINATE WORK WITH NEBRASKA GENERATOR SERVICE, LLC. TO MAINTAIN WARRANTY.
10. PROVIDE 600A, 120/240V I-LINE PANEL WITH LOCAKBLE NEMA 3R ENCLOSURE AND BREAKERS AS SHOWN. SEE E301 FOR DETAILS.

B14 | RISER NOTES

E401 | SCALE: NONE

AES ADVANCED ENGINEERING SYSTEMS
CERTIFICATE OF AUTHORIZATION # CA1800
www.a-e-sys.com PROJECT# 25178
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Sidney RC Interior
Sustainment #31030399
2225 Legion Park Road
Sidney, Nebraska 69162

DATE: 03 / 24 / 2026
REVIEWED BY:

MARK	DESCRIPTION	DATE
1.	Addendum#2	04-30-2026

PROJECT #: 2519

SSH ARCHITECTURE CERTIFICATE OF AUTHORIZATION: CA0510

PROFESSIONAL SEAL — 4/30/2026 — REBECCA ANN FURTADO E-18192 — STATE OF NEBRASKA — PROFESSIONAL ELECTRICAL ENGINEER

DRAWING TITLE:
ELECTRICAL SCHEDULE & RISER DIAGRAMS

SHEET #:
E401

PLOT: SSH Arch_ 4/30/2026 2:30:12 PM _90%_ Rev # 1_ Addendum#2

Attachment #6