

ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

**AASF & Cold Storage Hangar LED Lighting, POV and MVC Expansion
Whiteman Air Force Base
Knob Noster, Missouri
PROJECT NO.: T2045-01**

Bid Opening Date: 1:30 PM, Tuesday, July 12, 2022 (Not Changed)

Bidders are hereby informed that the construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

N/A

DRAWING CHANGES:

1. Sheet L-201

- a. Revise: Refer to Site Layout Plan. Note that the location of the electrical equipment on the southeast side of the existing building has been adjusted. The access drive to this area has also been adjusted accordingly.

2. Sheet E-003

- a. Revise: The location of the electrical equipment on the southeast side of the existing building has been adjusted.

3. Sheet E-004

- a. Revise: Refer to the Enlarged Power Plan. The location of the electrical equipment on the southeast side of the existing building has been adjusted. Added key note 14 to clarify clearances with gas utility line.

4. Sheet E-201

- a. Revise: Updated Light Fixture Schedule with approved substitutes. Removed KIM fixture as an option for G and J type fixtures.

GENERAL COMMENTS:

1. The pre-bid meeting was held June 23, 2021 at 10:00 AM and the sign in sheet is attached.
2. Please contact Mandy Roberson, Contract Specialist, at 573-522-0074 or Mandy.Roberson@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.
3. The deadline for technical questions is Tuesday, July 5, 2022 at noon.
4. Changes to, or clarification of, the bid documents are only made as issued in the addenda.

5. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
6. Current Plan holders list available online at <https://www.adsplanroom.net/jobs/1414/plan-holders/t2045-01-aasf-cold-storage-hangar-led-lighting-pov-mvc-expansion-whiteman-air-force-base>
7. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 1C, Columbia MO 65201, 573-446-7768 to order official plans and specifications.
8. **All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled. Failure to do so will result in rejection of the bid.**
9. **MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 10%/10%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.**

ATTACHMENTS:

1. Pre-bid Meeting Sign-In Sheet
2. Sheet L-201 Changes
3. Sheet E-003 Changes
4. Sheet E-004 Changes
5. Sheet E-201 Changes

July 6, 2022

END OF ADDENDUM NO. 1

Pre-Bid Meeting Attendance Sheet
AASF & Cold Storage Hangar LED Lighting,
POV and MVC Expansion
Knob Noster, Missouri

Project No. T2045-01
 June 23, 2022 at 10:00 AM

Name & Title	Company Name	Phone	E-Mail Address
Eric Hibdon	OA FMDC	573-522-0322	Eric.Hibdon@oa.mo.gov
SEAN RAY	CLARK+EVENSEN	816-474-8237	SEAN.RAY@CLARK+EVENSEN.COM
Roger Stull	CLARK + EVENSEN	816-474-8237	roger.stull@clark+evensen.com
Basit Sheikh	CLARK + EVENSEN	816-474-8237	Basit_Sheikh@clark+evensen.com
ERIC LARSEN	Citadel Elect	816-524-9957	elarsen@citadel-electric.com
LED TEVIN	STLOUISLEDs	314-922-2250	letervin@stloUISLEDs.com
Scott Hunt	Meyer Electric * General Construction	(573) 694-1319	Scott@meyer-electric.net
Eric Friga	Friga Construction Co	417-887-7134	eric@frigainc.com
KANDY ECKERT	REASBECK CONSTRUCTION	816-826-6015	RECKERT@REASBECK.COM

**Pre-Bid Meeting Attendance Sheet
AASF & Cold Storage Hangar LED Lighting,
POV and MVC Expansion
Knob Noster, Missouri**

**Project No. T2045-01
June 23, 2022 at 10:00 AM**

Name & Title	Company Name	Phone	E-Mail Address
STEPHANIE FAN	509 CES	847 691 1433	STEPHANIE.FAN@
JACK ALLEN	509 CES	660-687-3065	jeh.allen.9@us.af.mil
Brian Field	509 CES Electrical Forman	660 682 3014	brian.field.2@us.af.mil
Lance Persell	Varquez	816-204-7083	lancep@varquezcc.com
Joe Sisker	Flannaster Construction	573-1080-7338	joe@flannasterconstruction.com
Tim Bailew	Kaiser Electric	573-301-3746	tbailew@kaiserconline.com
Jon Binning PE	All Pro Electric	660-580-0065	jbinning@allproelectrical.com
Jim Stuck	All Pro Electrical	660-580-0019	jstuck@allproelectrical.com

Pre-Bid Meeting Attendance Sheet

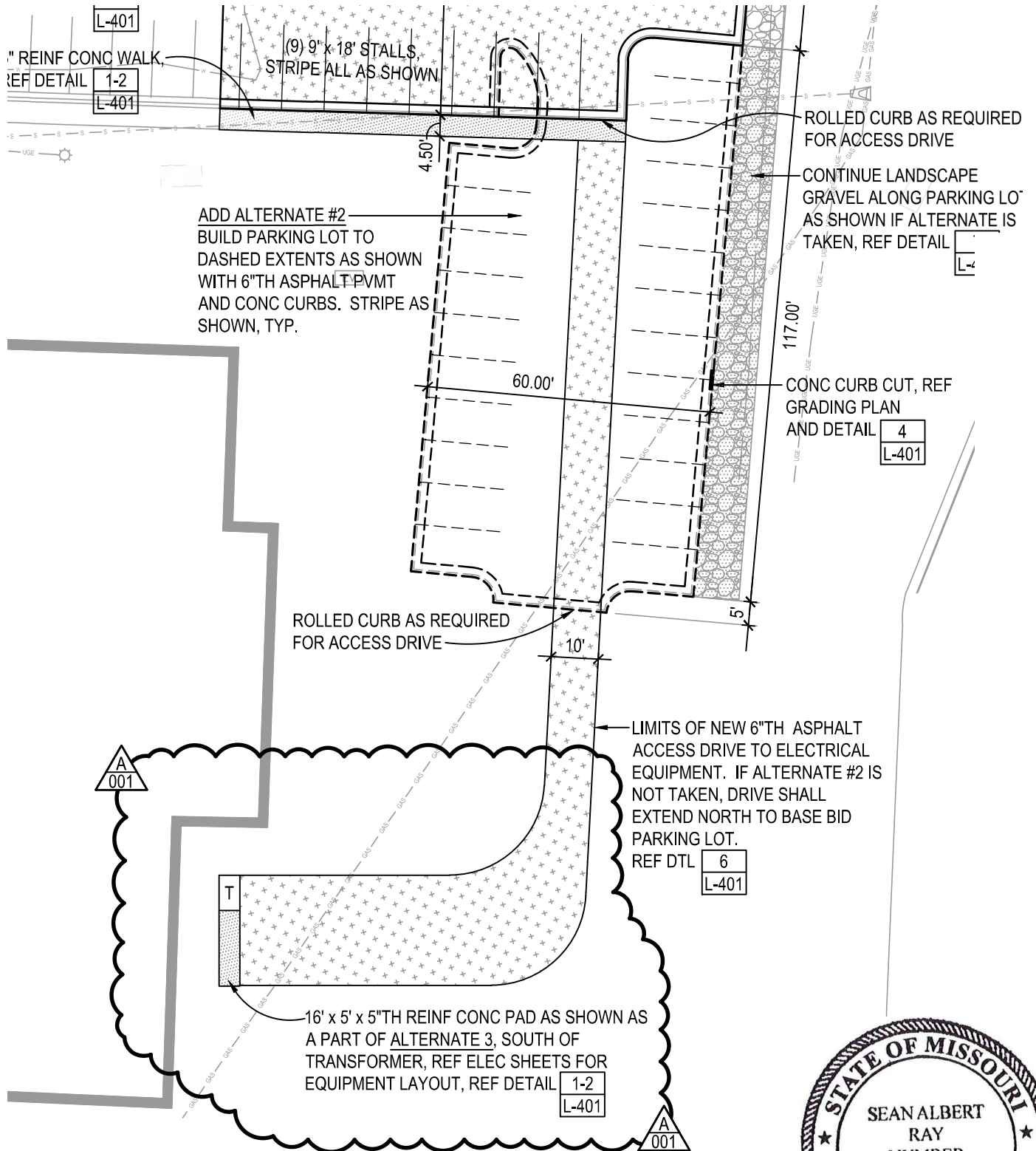
AASF & Cold Storage Hangar LED Lighting, POV and MVC Expansion

Knob Noster, Missouri

Project No. T2045-01
June 23, 2022 at 10:00 AM

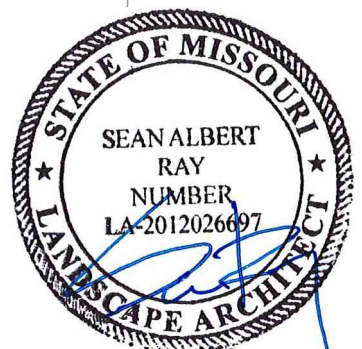
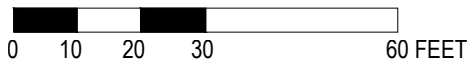
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SHEET L-201 CHANGES



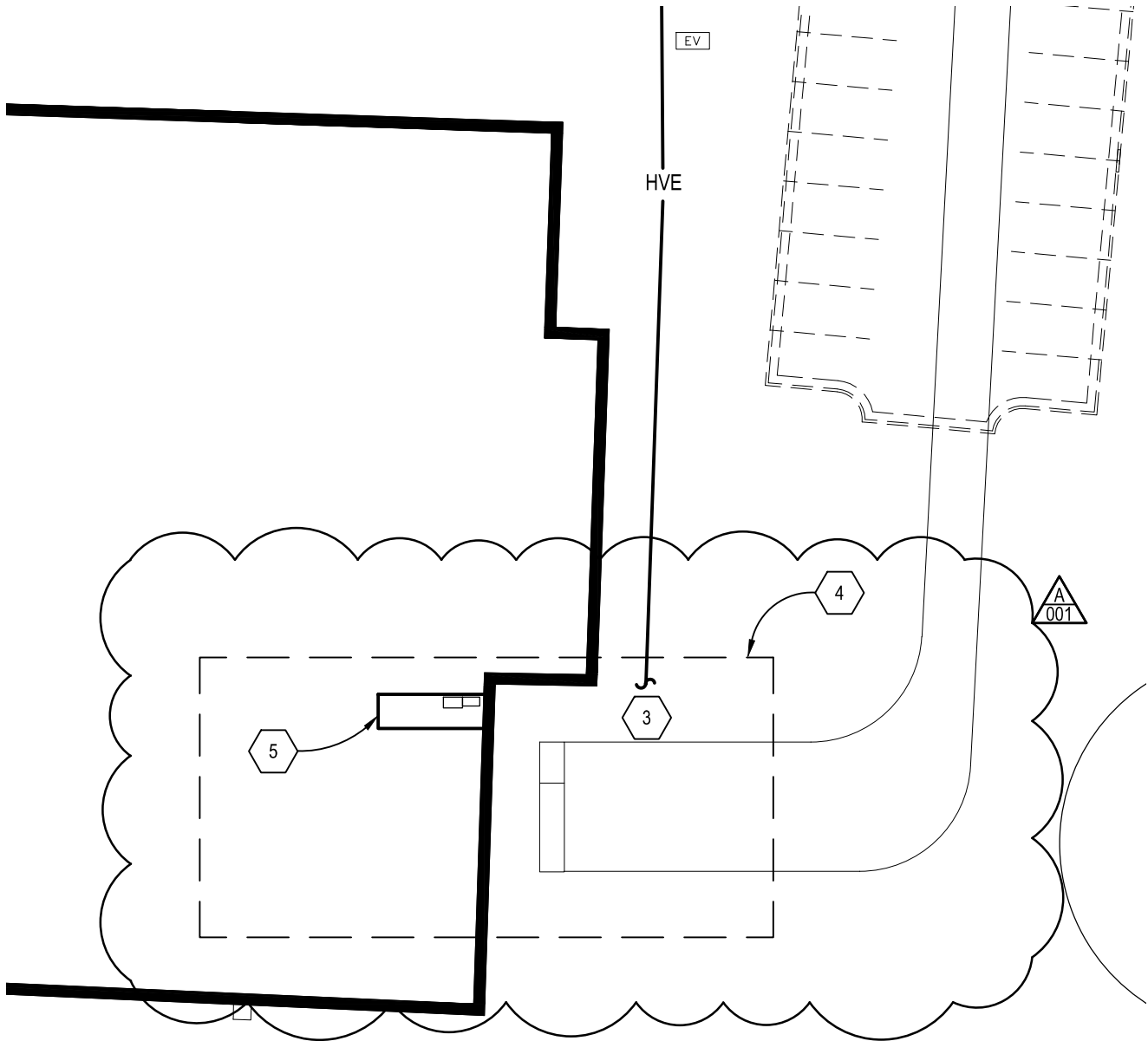
SITE LAYOUT PLAN

SCALE: 1"=30'-0"



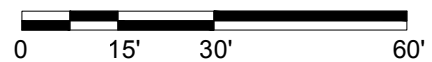
5/27/22

SHEET E-003 CHANGES



ELECTRICAL POWER & AUXILIARY SYSTEMS SITE PLAN

SCALE: 1"=30'-0"





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2020 Baltimore Ave.
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OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES,
MANAGEMENT, DESIGN
AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY

MISSOURI ARMY
NATIONAL GUARD

AASF COLD STORAGE
HANGAR LED LIGHTING,
POV AND MVC PARKING
EXPANSION

WHITEMAN AIR FORCE
BASE

ONE ATTACK AVENUE
KNOB NOSTER, MO 65305

PROJECT # T2045-01

SITE #: 6258

ASSET #: 8136258003

REVISION: ADDENDUM #1
DATE: 07/01/2022
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 05/27/2022

DRAWN BY: HB
CHECKED BY: BA
DESIGNED BY: HB

SHEET TITLE:
Enlarged Power Plans

SHEET NUMBER:

E-004

CONSTRUCTION DOCUMENTS
05/27/2022

ENLARGED POWER PLAN - SWITCH NOTES	
KEY NOTE	DESCRIPTION
1	CONTRACTOR SHALL EXTEND EXISTING CONCRETE PAD TO ACCOMMODATE LARGER, 6-WAY SWITCH INSTALLATION. CONCRETE PAD SPECIFICATIONS/REQUIREMENTS TO MEET SWITCH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SHALL, AT A MINIMUM, EXTEND PAST THE LARGEST OUTSIDE DIMENSION OF THE SWITCH BY 6" ON ALL SIDES. CONCRETE PAD SHALL BE LEVEL AND SHALL EXTEND ABOVE GRADE BY A MINIMUM OF 6" OR AS REQUIRED TO MATCH THE EXISTING PORTION OF THE CONCRETE PAD. IF GROUND RING EXISTS, EXTEND GROUND RING AS NECESSARY IN ORDER TO ENCOMPASS THE NEW PORTION OF THE CONCRETE EQUIPMENT PAD.
2	NEW 15KV RATED PRIMARY SERVICE ENTRANCE FEEDERS FROM THE NEW PAD MOUNTED 6-WAY, 14.4KV RATED SWITCH 'SS01-AS26' TO THE NEW PAD MOUNTED TRANSFORMER 'T-1' TO BE INSTALLED IN NEW 2-WAY CONCRETE ENCASED DUCTBANK AT A MINIMUM OF 42" BELOW FINAL GRADE. COORDINATE ROUTING WITH ALL OTHER BELOW GRADE SYSTEMS. ONE CONDUIT WITHIN DUCTBANK IS FOR FUTURE AND IS NOT TO BE USED. PROVIDE SPARE CONDUIT WITH PULL ROPE. COORDINATE INSTALLATION WITH OWNER. SEE ELECTRICAL ONE LINE DIAGRAM, ELECTRICAL DETAILS AND ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3	CONTRACTOR TO PROVIDE OF NEW PAD MOUNTED 6-WAY, 14.4KV RATED SWITCH 'SS01-AS26'. SALVAGED 12470V, 3PH FEEDERS SHALL BE RECONNECTED TO NEW SWITCH. NEW SWITCH'S COMPARTMENTS SHALL BE ARRANGED SO THAT EXISTING 12470V, 3PH FEEDER CONDUCTORS HAVE ENOUGH LENGTH TO BE RECONNECTED TO THE SWITCH. NEW SWITCH COMPARTMENT LOCATIONS ARE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. CONTRACTOR SHALL OBTAIN EXACT DIMENSIONED SHOP DRAWINGS FOR SWITCH IN ORDER TO DETERMINE SWITCH AND FUSIBLE BAY COMPARTMENT LOCATIONS. SEE ELECTRICAL DETAILS AND ELECTRICAL ONE LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
4	EXISTING REMOTE TELEMETRY UNIT (RTU) FOR SCADA CONTROL SYSTEM FOR MONITORING 14.4KV RATED SWITCH 'SS01-AS26' SWITCH POSITIONS. EXISTING SCADA RTU IS TO BE USED TO MONITOR NEW 6-WAY 14.4KV RATED SWITCH. PROVIDE ALL INTERCONNECTIONS BETWEEN EXISTING SCADA RTU AND NEW 6-WAY, 14.4 KV RATED SWITCH 'SS01-AS26' FOR A COMPLETE INSTALLATION. COORDINATE EXACT DETAILS WITH WHITEMAN AFB ENERGY AND UTILITIES GROUP AND THE 6-WAY, 14.4 KV RATED SWITCH MANUFACTURER.
5	EXISTING PORTION OF CONCRETE PAD TO REMAIN. EXISTING CONCRETE EQUIPMENT PAD GROUND ROD(S) AND/OR GROUND RING IS TO BE MAINTAINED. IF GROUND RING EXISTS, EXTEND GROUND RING AS NECESSARY IN ORDER TO ENCOMPASS THE NEW PORTION OF THE CONCRETE EQUIPMENT PAD.
6	ROUTE (3) #2 (15KV RATED), TYPE MV-105 CONDUCTORS IN (1) 5" CONDUIT IN ORDER TO RE-FEED EXISTING TRANSFORMER FROM NEW 6-WAY, 14.4KVA SWITCH 'SS01-AS26'. COORDINATE EXACT REQUIREMENTS WITH OWNER.
7	EXISTING 5KVA TRANSFORMER 'T-SS01-AS26' TO REMAIN. TRANSFORMER TO BE DISCONNECTED FROM EXISTING 4-WAY SWITCH AND RECONNECTED TO NEW 6-WAY SWITCH 'SS01-AS26' IN ORDER TO CONTINUE FEEDING EXISTING REMOTE TELEMETRY UNIT (RTU).

CONTRACTOR SHALL IDENTIFY, SUPPORT, AND PROTECT ALL EXISTING UTILITIES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL SYSTEM OUTAGES SHALL BE FULLY COORDINATED WITH THE OWNER'S REPRESENTATIVE/LOCAL UTILITY.

ALL MEDIUM VOLTAGE WORK SHALL BE FULLY COORDINATED WITH WHITEMAN AIR FORCE BASE ENERGY AND UTILITIES GROUP. INSTALLATION SHALL FULLY MEET ALL REQUIREMENTS AS SET FORTH BY WHITEMAN AIR FORCE BASE ENERGY AND UTILITIES GROUP.

ENLARGED POWER PLAN NOTES	
KEY NOTE	DESCRIPTION
1	EXISTING ELECTRICAL CLOSET IN BUILDING 1750 SHOWN FOR REFERENCE ONLY. REFER TO ARCHITECT FOR EXACT DIMENSIONS AND LAYOUT OF ROOM.
2	SEE ELECTRICAL POWER & AUXILIARY SYSTEMS SITE PLAN FOR FEEDER CONTINUATION.
3	ROUTE NEW FEEDER FROM SECONDARY SIDE OF NEW MANUAL TRANSFER SWITCH 'MTS-1' BELOW GRADE TO BUILDING. ONCE AT THE BUILDING, ROUTE FEEDER VERTICALLY, ALONG EXTERIOR SURFACE OF THE BUILDING TO A NEW WEATHERPROOF PULLBOX SURFACE MOUNTED ON EXTERIOR WALL. ROUTE NEW FEEDERS INTO BUILDING AND INTO ELECTRICAL CLOSET ON FIRST FLOOR VIA NEW PULLBOX. PROVIDE CONDUIT SLEEVES AND SEAL BUILDING PENETRATION PER SPECIFICATIONS IN ORDER TO CREATE A WEATHERTIGHT INSTALLATION. COORDINATE ANY PENETRATION WORK THROUGH EXTERIOR BUILDING WALL WITH ARCHITECT. SIZE PULLBOX PER NEC AT A MINIMUM, UPSIZE TO AID IN ROUTING OF FEEDERS AS NECESSARY. COORDINATE EXACT FINISH OF PULLBOX WITH OWNER. ONCE INSIDE THE BUILDING, FEEDERS SHALL BE ROUTED SURFACE MOUNTED ON CEILING OF EXISTING ELECTRICAL CLOSET THE REMAINDER OF THE RUN UNTIL CONNECTED TO EXISTING MAIN SWITCH BOARD 'MSB'.
4	CONDUIT TO BE ROUTED SURFACE MOUNTED DOWN WALL AND CONNECTED INTO EXISTING SWITCHBOARD 'MSB'. PROVIDE WIREWAY INSTALLED ALONGSIDE EXISTING SWITCHBOARD AS REQUIRED TO PROVIDE PATH FOR FEEDERS TO ENTER INTO EXISTING SWITCHBOARD 'MSB'.
5	NEW PAD MOUNTED ELECTRICAL SERVICE TRANSFORMER 'T-1'. TRANSFORMER AND TRANSFORMER PAD TO BE PROVIDED AND INSTALLED BY CONTRACTOR. SEE TRANSFORMER PAD DETAIL FOR ADDITIONAL INFORMATION.
6	ROUTE 480V, 3PH FEEDER A MINIMUM OF 42" BELOW GRADE, CABLING, AND CONDUIT PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE FINAL ROUTING AND REQUIREMENTS WITH OWNER. SEE ELECTRICAL ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
7	NEW 800A PAD MOUNTED MANUAL TRANSFER SWITCH 'MTS-1' TO BE INSTALLED AT THIS LOCATION. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH MANUFACTURER IN ORDER TO ENSURE A SECURE INSTALLATION. REFER TO ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
8	NEW PORTABLE GENERATOR DOCKING STATION 'DS-1'. PROVIDE NEW GENERATOR DOCKING STATION WITH NEMA 3R ENCLOSURE. GENERATOR DOCKING STATION BOX SHALL HAVE A MINIMUM OF 5' OF CLEARANCE IN FRONT OF EQUIPMENT FOR ACCESS. GENERATOR DOCKING STATION TO BE UNISTRUT MOUNTED UTILIZING STAINLESS STEEL UNISTRUT ANCHORED TO CONCRETE PAD FOR A SECURE INSTALLATION. SEE ELECTRICAL ONE LINE DIAGRAM AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
9	NEW KWH SOLID STATE POLYPHASE ELECTRICAL CONSUMPTION METER (GENERAL ELECTRIC KV2C METER FAMILY, OR ENGINEER APPROVED EQUAL) AND COMPATIBLE WEATHERPROOF METER BASE (MILBANK) TO BE PROVIDED AND INSTALLED BY CONTRACTOR. METER ASSEMBLY TO BE MOUNTED ON STAINLESS STEEL UNISTRUT RACK THAT IS SECURED TO CONCRETE PAD. CONTRACTOR TO PROVIDE CURRENT TRANSFORMERS (CT'S) COMPATIBLE WITH PROVIDED METER. CT'S SHALL BE REVENUE GRADE. CONTRACTOR SHALL PROVIDE AND INSTALL (1) 3/4" X 10' COPPER CLAD GROUND ROD INSTALLED ADJACENT TO THE NEW METER ASSEMBLY. TOP OF ROD SHALL BE JUST BELOW TOP SURFACE OF CONCRETE PAD AND SHALL BE PROVIDED WITH A GROUND ROD TEST WELL THAT IS FLUSH WITH TOP SURFACE OF THE CONCRETE PAD. FROM GROUND ROD, ROUTE (1) #3/0 GROUNDING ELECTRODE CONDUCTOR IN 1" SCHEDULE 40 PVC CONDUIT AND UTILIZE TO GROUND METER ASSEMBLY. CONTRACTOR SHALL ROUTE (1) 1-1/4" RIGID GALVANIZED STEEL CONDUIT BETWEEN CT CABINET AND METER SOCKET. PROVIDE ALL NECESSARY FUSES, FUSE BLOCKS, CURRENT TRANSFORMERS, METER, METER BASE, CONDUIT, GROUNDING, AND WIRING TO ENSURE A COMPLETE METERING INSTALLATION. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH OWNER.
10	NEW 480V, 3PH, 800A, NEMA 4X, LOCKABLE, MILBANK (OR ENGINEER APPROVED EQUAL) CURRENT TRANSFORMER (CT) CABINET TO BE MOUNTED ON STAINLESS STEEL UNISTRUT RACK THAT IS SECURED TO CONCRETE PAD. CONTRACTOR TO ENSURE CT CABINET IS COMPATIBLE WITH PROVIDED CURRENT TRANSFORMERS AND METER. PROVIDE ALL NECESSARY EQUIPMENT, WIRE, CONDUIT, AND CONNECTIONS TO ENSURE A COMPLETE METERING INSTALLATION. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH OWNER.
11	REFERENCE LANDSCAPE SITE PLANS FOR CONCRETE PAD INFORMATION IN THIS AREA.
12	UNDER BAS BID CONDITION ONLY, SERVICE ENTRANCE FEEDER SHALL BE ROUTED DIRECTLY FROM THE NEW CT CABINET TO THE EXISTING MAIN SWITCHBOARD, 'MSB'.
13	ALL WORK ASSOCIATED WITH THE INSTALLATION OF 'MTS-1' AND 'DS-1', INCLUDING ASSOCIATED CONCRETE PAD, IS TO BE PERFORMED ONLY IF ADD ALTERNATE #3 IS ACCEPTED.
14	VERIFY LOCATION OF EXISTING GAS UTILITY LINE PRIOR TO PERFORMING ANY WORK IN AREA. ALL ELECTRICAL EQUIPMENT TO MAINTAIN A MINIMUM CLEARANCE OF 6' FROM GAS UTILITY LINE.

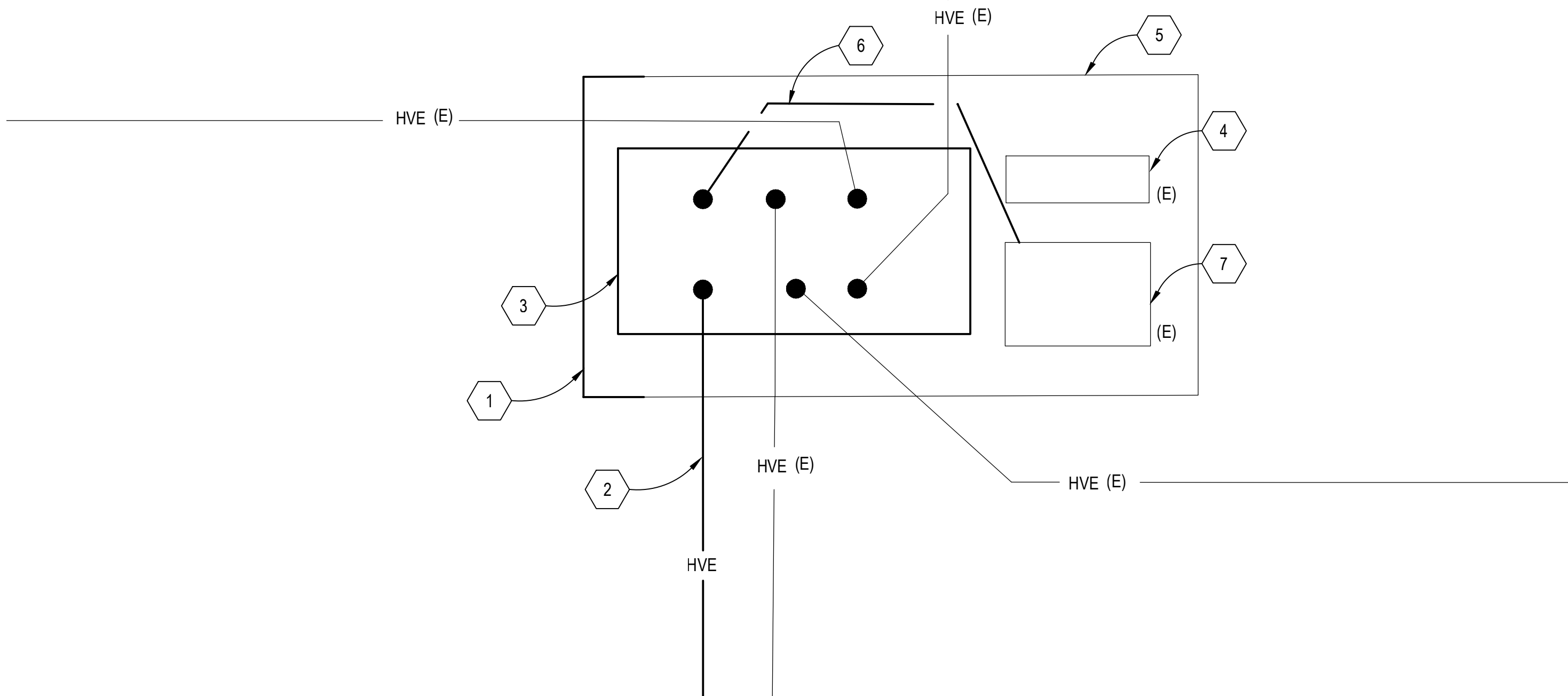
ALL MEDIUM VOLTAGE WORK SHALL BE FULLY COORDINATED WITH WHITEMAN AIR FORCE BASE ENERGY AND UTILITIES GROUP. INSTALLATION SHALL FULLY MEET ALL REQUIREMENTS AS SET FORTH BY WHITEMAN AIR FORCE BASE ENERGY AND UTILITIES GROUP.

CONTRACTOR SHALL IDENTIFY, SUPPORT, AND PROTECT ALL EXISTING UTILITIES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL SYSTEM OUTAGES SHALL BE FULLY COORDINATED WITH THE OWNER'S REPRESENTATIVE/LOCAL UTILITY.

ALL WORK ASSOCIATED WITH THE INSTALLATION OF 'MTS-1' AND 'DS-1', INCLUDING ASSOCIATED CONCRETE PAD, IS TO BE PERFORMED ONLY IF ADD ALTERNATE #3 IS ACCEPTED. BASE BID SHALL INCLUDE ROUTING NEW SERVICE ENTRANCE FEEDER DIRECTLY FROM THE NEW CT CABINET TO THE BUILDING'S EXISTING MAIN SWITCHBOARD, 'MSB'.

ENLARGED POWER PLAN -SWITCH

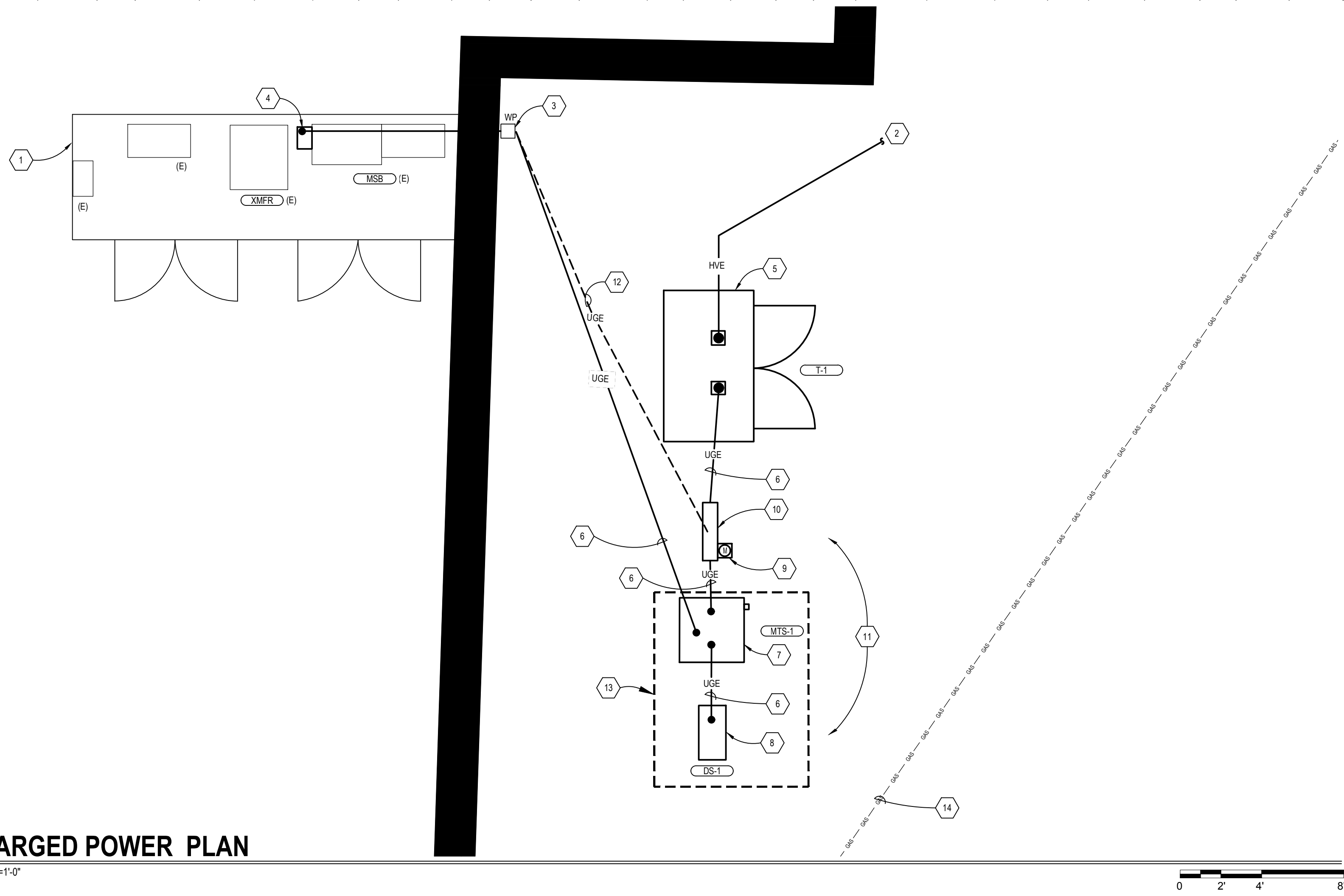
SCALE: 1/4"=1'-0"



0 2' 4' 8'

ENLARGED POWER PLAN

SCALE: 1/4"=1'-0"



0 2' 4' 8'



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AASF COLD STORAGE
HANGAR LED LIGHTING,
POV AND MVC PARKING
EXPANSION

WHITEMAN AIR FORCE
BASE

ONE ATTACK AVENUE
KNOB NOSTER, MO 65305

PROJECT # T2045-01

SITE #: 6258

ASSET #: 8136258001

REVISION: ADDENDUM #1
DATE: 07/01/2022

REVISION: _____
DATE: _____

REVISION: _____
DATE: _____

ISSUE DATE: 05/27/2022

DRAWN BY: BS
CHECKED BY: BA
DESIGNED BY: BS

SHEET TITLE:
Electrical Schedules

SHEET NUMBER:

E-201

CONSTRUCTION DOCUMENTS
05/27/2022

BLANK AREAS IN THE CATALOGUE NUMBER DENOTES AREAS
WHERE THE CONTRACTOR WILL NEED TO VERIFY AND MATCH
EXISTING LIGHTING CONDITIONS IN THE FIELD.

LIGHTING FIXTURE SCHEDULE										
Fixture Type	Manufacturers	Catalog Numbers	Description	No. of Lamps	Lamp Type	Volt	VA	Mounting	Remarks	
A	LITHONIA	JHBL-6000LM-ACL-WD-277-40K-80CRI	HIGH BAY LED	NA	LED, 4000K	277	388	SUSPENDED	PROVIDE ALL REQUIRED COMPONENTS FOR A RIGID PENDANT MOUNTED SUSPENDED INSTALLATION. FIXTURES ARE TO BE MOUNTED AT SAME ELEVATION AS DEMOLISHED HIGH BAY FIXTURES THAT ARE BEING REPLACED. PROVIDE FIXTURES WITH SAFETY CABLE/CHAIN OR OTHER SECONDARY SAFETY MEANS TO PREVENT FIXTURE FROM FALLING IF PRIMARY PENDANT MOUNT FAILS. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.	
	METALUX	BMK-60-WCL-277-L840								
	HE WILLIAMS	GRP-L600-8-40-W-DRV-277								
	COLUMBIA	PEL-4-40-HH-FA-W-E-U								
B	LITHONIA	FEM-L48-6000LM-LPAFL-WD-277-40K-80	1'x 4' GASKETED INDUSTRIAL LED	NA	LED, 4000K	277	38	SURFACE	PROVIDE ALL COMPONENTS FOR A SURFACE MOUNT INSTALLATION ON WALL. PROVIDE FIXTURE WITH INTEGRAL BATTERY DRIVER.	
	HE WILLIAMS	96-4-L62-8-40-HIAFR-DRV-277								
	METALUX	4VT2-LD5-6-FR50-W-UNV-EL10W-L840-5LTD1-WL-U								
	COLUMBIA	LXEM-4-40-HL-RFA-E-U								
C	HE WILLIAMS	80-4'-L63-8-40-VBY-2-DRV-UNV	1' x 4' INDUSTRIAL LED	NA	LED, 4000K	UNV	42	SURFACE	PROVIDE ALL COMPONENTS REQUIRED FOR A SURFACE MOUNT INSTALLATION. PROVIDE C1 FIXTURES WITH INTEGRAL BATTERY DRIVER. COORDINATE WITH MANUFACTURER FOR EXACT LUMEN PACKAGE SPECIFIED.	
	LITHONIA	MSL-6000LM-SBL								
	METALUX	4'-LED-LD5-7-W-UNV-L840-1								
	LA LIGHTING	ND220-6-4L-UNV-840								
D	LITHONIA	HLF2-P6-40K-WFL-480-YK064-DF-DOBXD	LED FLOODLIGHT	NA	LED, 4000K	480	1000	SURFACE	PROVIDE ALL COMPONENTS NECESSARY FOR WALL MOUNT AT LOCATION OF PREVIOUS FLOODLIGHT THAT IS TO BE DEMOLISHED WITH SAME AIMING POINTS. PROVIDE NEW FIXTURE WITH ALL NECESSARY COMPONENTS FOR AN ADJUSTABLE YOKETRONION MOUNTING THAT IS COMPATIBLE WITH EXISTING INSTALLATION.	
	SPECORGRADE	AFL-1000-40K-75-V04-TL-NDIM								
	CREE	FLD-EHO-70-HV-24-E-UH-BZ-1000-F-40K-EHO-UNV								
F	MCGRAW-EDISON	IST-SA1-600-740-U-E1-T4FT-BZ	WALL MOUNTED LED SITE FIXTURE	NA	LED, 4000K	UNV	40	WALL	MOUNT AT SAME LOCATION AND HEIGHT AS PREVIOUS LIGHT FIXTURES THAT ARE TO BE DEMOLISHED. REFERENCE LIGHTING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING PHOTOCELL CONTROL FOR FIXTURES.	
	KIM	WDS-D-24L-40-4K8-4F-UNV-DB								
	VISIONAIRE	PGAS-1-T4-16LC-700MA-4k-UNV-WM-BZ								
G	MCGRAW-EDISON	GLEON-SA2-A-____-U-T4W-BZ	30' POLE WITH LED SITE LIGHTING FIXTURE	NA	LED	UNV	129	POLE	MOUNT FIXTURE ON 30' POLE. SEE ELECTRICAL LIGHTING SITE PLAN FOR ADDITIONAL INFORMATION. REFERENCE PARKING LOT POLE BASE DETAIL FOR ADDITIONAL MOUNTING INFORMATION. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. COLOR TEMPERATURE IS TO MATCH EXISTING PARKING LOT LIGHTS. CONTRACTOR TO VERIFY COLOR TEMPERATURE PRIOR TO PURCHASE OF FIXTURES. POLE AND FIXTURE FINISH TO MATCH EXISTING ON SITE.	
	BEACON	VP-ST-2-72L-145-4K7-4W-UNV								
	LITHONIA	DSX0-P6-____-T4M-MVOLT-SPA-____-DOBXD								
	POLE LITHONIA	SSS-30-5G-PT-DOBXD								
	POLE KIM	SSS-K-30-50-B-1/2-K2-DBS								
	POLE COOPER	SSS-5-M-30-S-F-1-1-2								
H	COLUMBIA	VTH-4K-G-X-D_-GR	LED EXPLOSION PROOF LIGHT	NA	LED, 4000K	UNV	25	SURFACE	PROVIDE ALL COMPONENTS REQUIRED FOR A SURFACE MOUNTED INSTALLATION ON EXISTING FRAME. FIXTURE TO BE CLASS 1 DIVISION 2 RATED AND FULLY EXPLOSION PROOF.	
	HOLOPHANE	HRLL-8L-AS-GG-CE								
	RAB	HAZXLED-26-F-DG								
J	MCGRAW-EDISON	GLEON-SA2-B-740-U-T4FT-BZ	30' POLE WITH LED SITE LIGHTING FIXTURE	NA	LED	UNV	129	POLE	MOUNT FIXTURE ON 30' POLE. SEE ELECTRICAL LIGHTING SITE PLAN FOR ADDITIONAL INFORMATION. REFERENCE PARKING LOT POLE BASE DETAIL FOR ADDITIONAL MOUNTING INFORMATION. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. COLOR TEMPERATURE IS TO MATCH EXISTING PARKING LOT LIGHTS. CONTRACTOR TO VERIFY COLOR TEMPERATURE PRIOR TO PURCHASE OF FIXTURES. POLE AND FIXTURE FINISH TO MATCH EXISTING ON SITE.	
	BEACON	VP-ST-2-72L-145-4K7-4F-UNV-A								
	LITHONIA	DSX0-P6-____-TFTM-MVOLT-SPA-____-DOBXD								
	POLE LITHONIA	SSS-30-5G-PT-DOBXD								
	POLE KIM	SSS-K-30-50-B-1/2-K2-DBS								
	POLE COOPER	SSS-5-M-30-S-F-1-1-2								
LIGHTING FIXTURE SCHEDULE GENERAL NOTES:										
	1. FIXTURES WITH EMERGENCY BATTERY BACKUP OR INVERTER BACKUP SHALL BE PROVIDED WITH TEST SWITCH AS REQUIRED BY CODE. TEST SWITCH SHALL EITHER BE FIXTURE MOUNTED OR LOCATED IN NEARBY ACCESSIBLE LOCATION. FINAL LOCATION SHALL BE COORDINATED WITH OWNER, ARCHITECT AND ENGINEER.									
	2. EMERGENCY BATTERY BACKUP SHALL BE PROVIDED FOR ENTIRE FIXTURE SHOWN AS EMERGENCY UNLESS OTHERWISE NOTED. MULTIPLE BATTERY PACKS SHALL BE PROVIDED AS NECESSARY TO POWER THE ENTIRE FIXTURE. PROVIDE ALL PARTS NECESSARY FOR A COMPLETE AND CODE COMPLIANT INSTALLATION.									
	3. FIXTURES WITH EMERGENCY BATTERY BACKUP SHALL BE CAPABLE OF BEING LOCALLY SWITCHED OFF. BATTERY SHALL ENERGIZE FIXTURE ONLY IN A POWER LOSS SITUATION, NOT A SWITCHING EVENT.									
	4. CONTRACTOR SHALL VERIFY MOUNTING HEIGHTS OF ALL FIXTURES PRIOR TO INSTALLATION.									

FOR ALL FIXTURES REPLACING EXISTING FIXTURES, CONTRACTOR SHALL VERIFY MOUNTING OF EXISTING FIXTURES AND COORDINATE WITH MANUFACTURER TO ENSURE NEW FIXTURES ARE PROVIDED WITH ALL COMPONENT NECESSARY SO THAT NEW INSTALLATION IS COMPATIBLE WITH AND MATCHES EXISTING INSTALLATION.