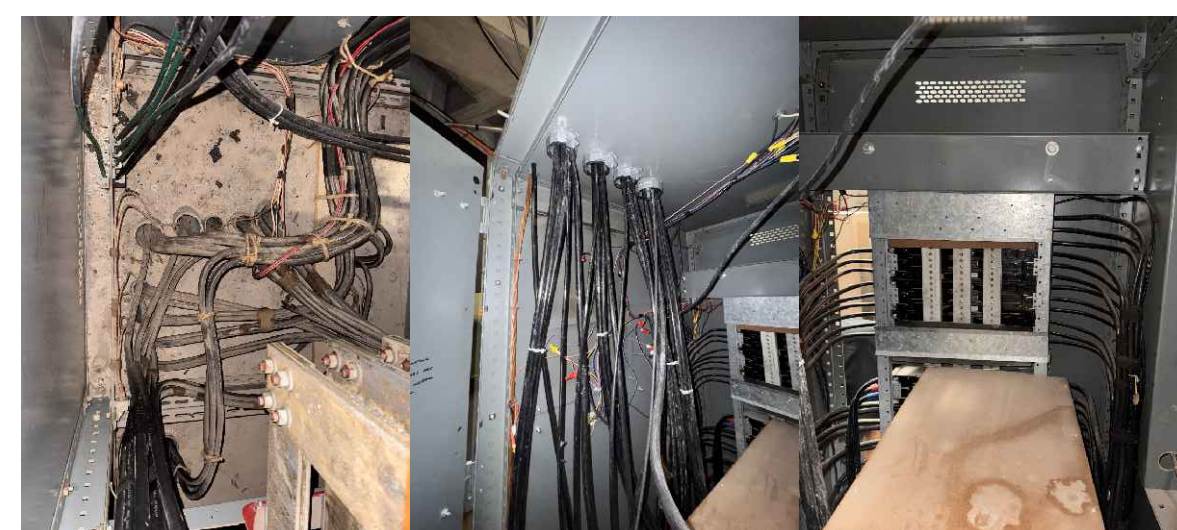


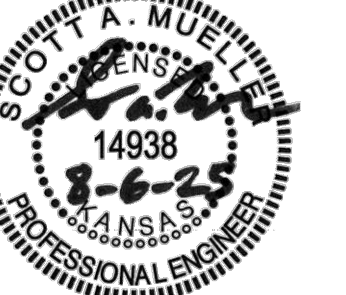


Project: GARVEY FINE ARTS CENTER
ELECTRICAL UPGRADES

Client:
WASHBURN UNIVERSITY
700 SW JEWELL
TOPEKA, KS

Project Number: 25038.00
Drawn By: SAM
Checked By: SAM

Engineer Seal: _____

[illegible]

Issue Date: 08/06/2025

Sheet Title:

Sheet Number

RFP 900072

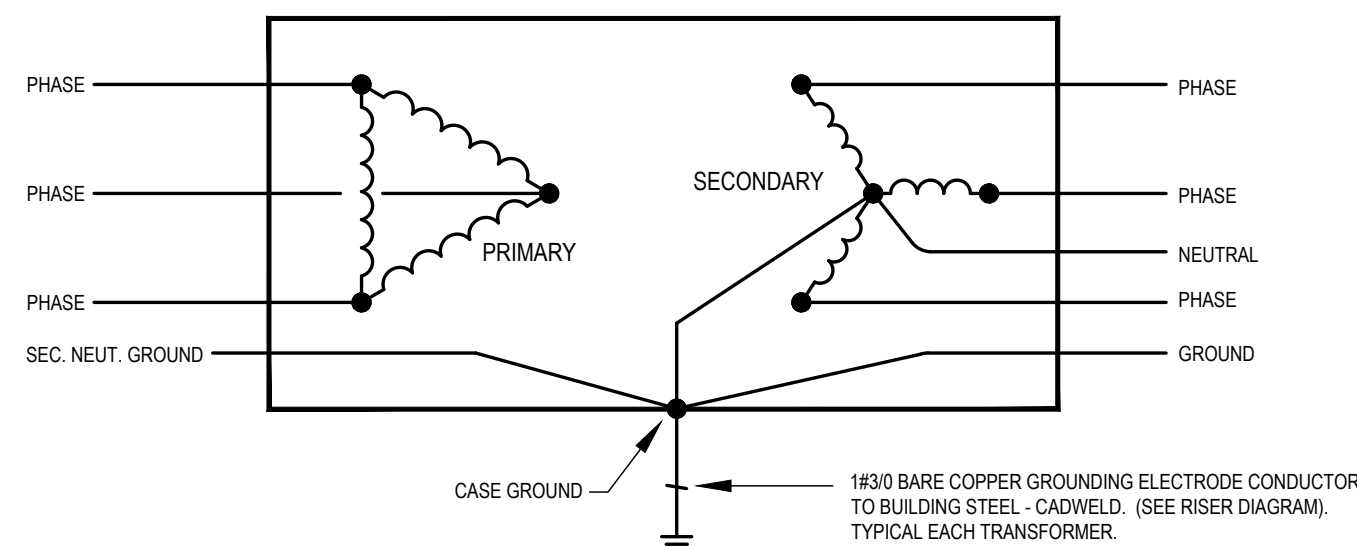
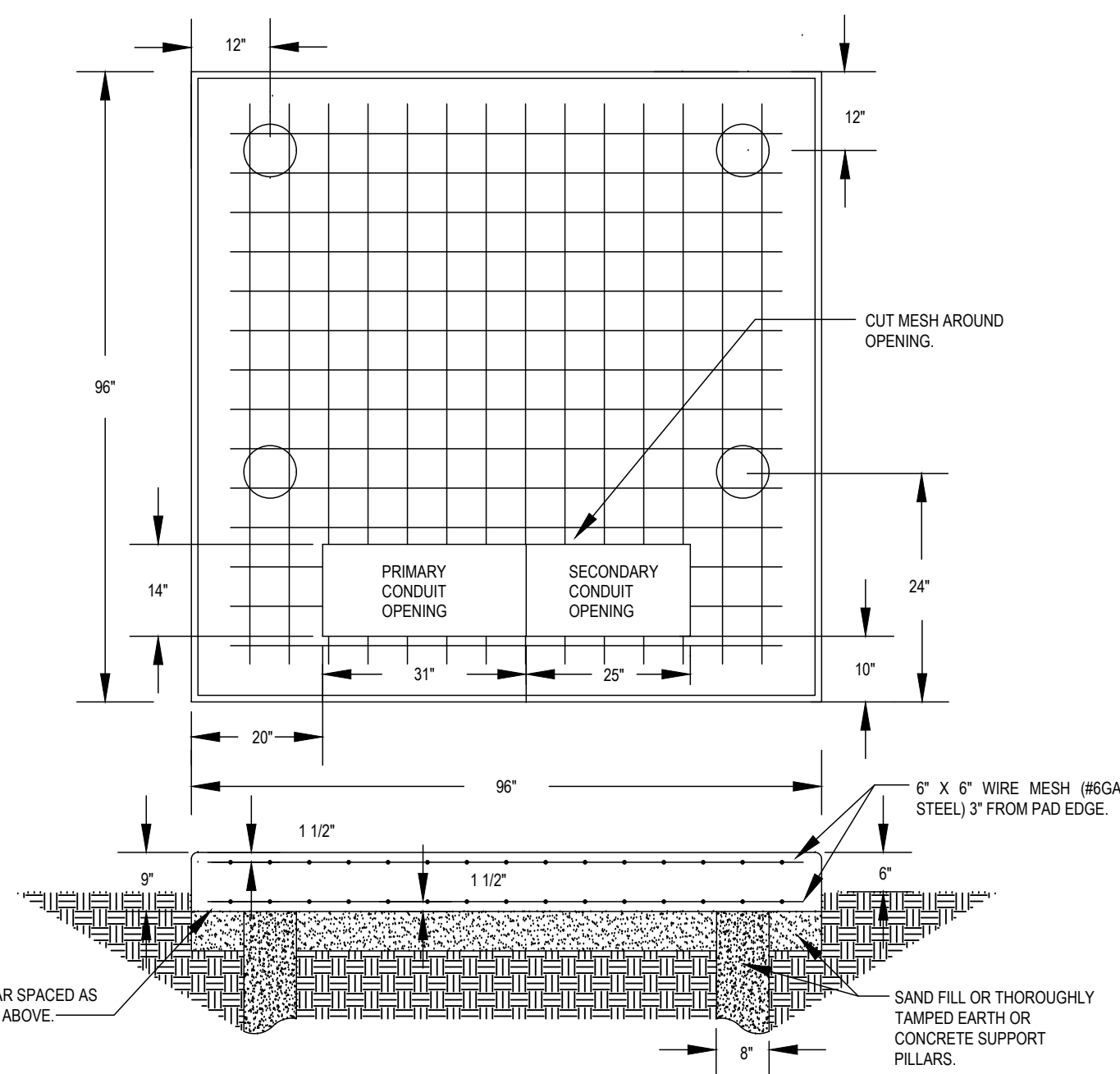
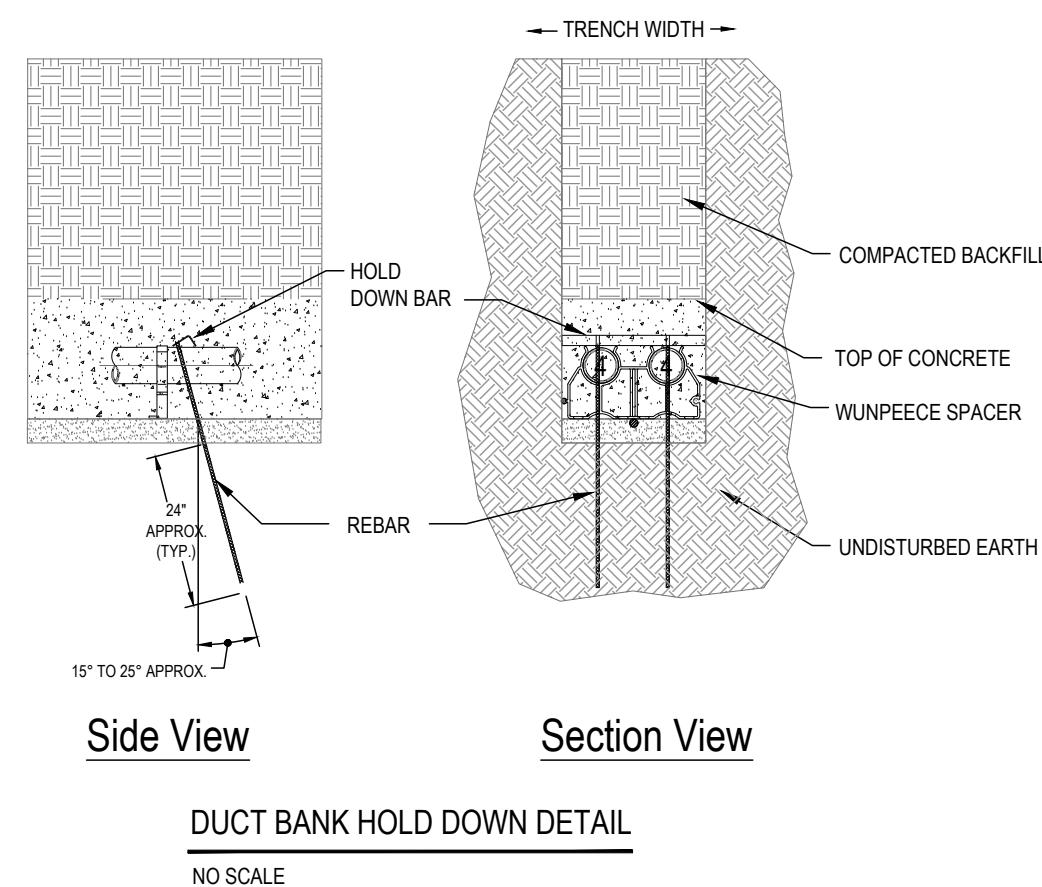
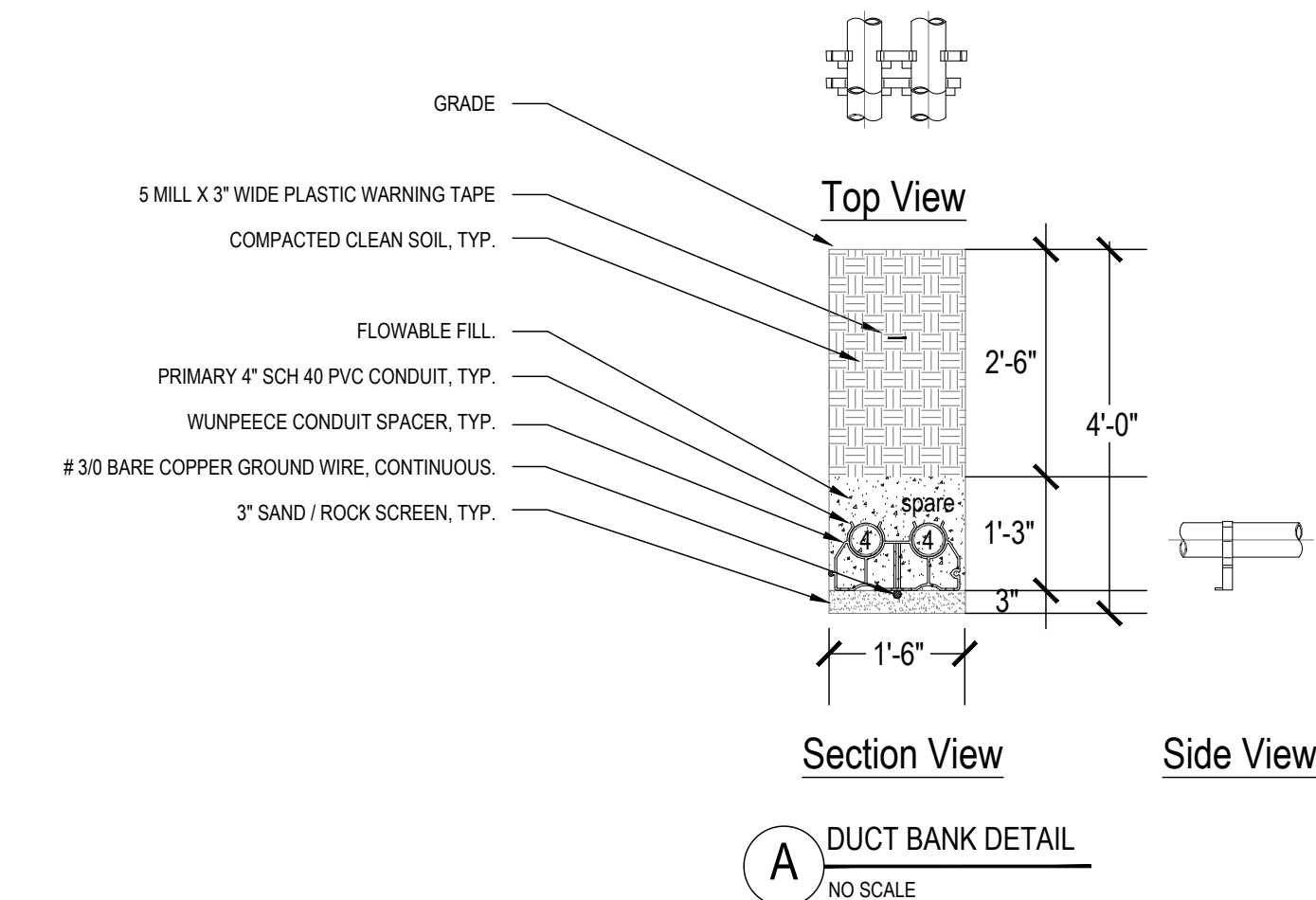
ED1.1

① SEE GENERAL NOTE #8

DRY TRANSFORMER SCHEDULE	
T1	225KVA 480V/3PH DELTA PRIMARY, COPPER WINDINGS - 208Y/120V/3PH 4W SECONDARY, 150" C. RISE. SEE SPECIFICATIONS.

OIL-FILLED TRANSFORMER SCHEDULE	
T	1000KVA - 4150/12470/3PH DELTA PRIMARY, 55K KV BIL, ALUMINUM WINDINGS, 65 DEG. RISE, DEAD FRONT - 450/127/3PH4W SECONDARY, 30 KV BIL. SEE SPECIFICATION

COMB. DISC. SWITCH/STARTER SCHEDULE					
EQUIP. I.D. TAG	DISC. SWITCH SIZE (FUSE) STARTER SIZE	LOAD KVA	N.P.	WIRE/CONDUIT SIZE FROM PANEL TO DISCONNECT SWITCH	
EF-12	30A-3P-600V (3A) NEMA SIZE 3P-40V	876	.75	3#12 & 1#12G. IN 112" C.	
EF-13	30A-3P-600V (4A) NEMA SIZE 3P-40V	1673	1.0	3#12 & 1#12G. IN 112" C.	
EF-17	30A-3P-600V (5A) NEMA SIZE 3P-40V	2390	1.5	3#12 & 1#12G. IN 112" C.	



Project:
GARVEY FINE ARTS CENTER
ELECTRICAL UPGRADES

Client:
WASHBURN UNIVERSITY
1700 SW JEWELL
TOPEKA, KS

Project Number: 25038.00
Drawn By: SAM
Checked By: SAM

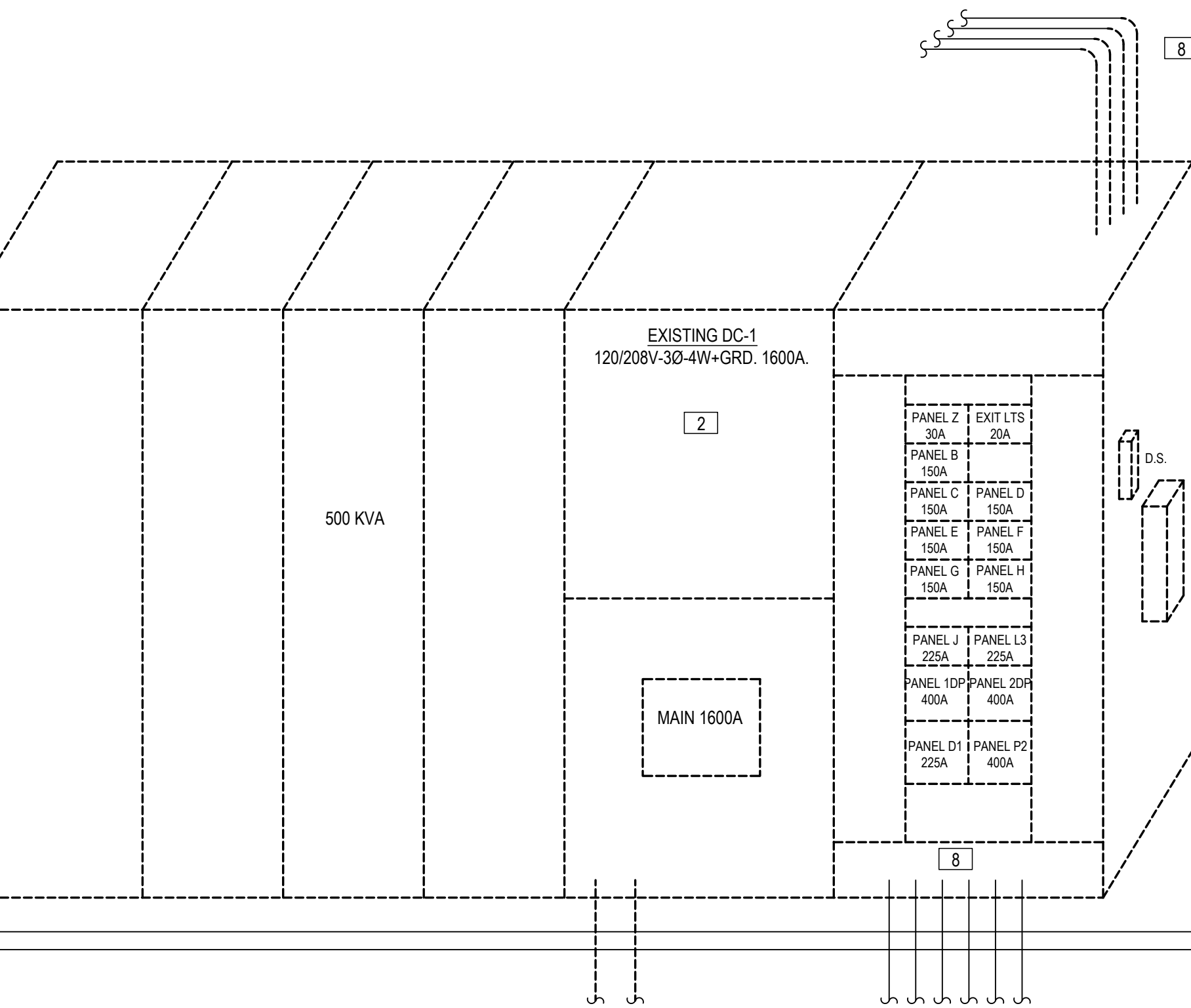
Engineer Seal: _____

[illegible]

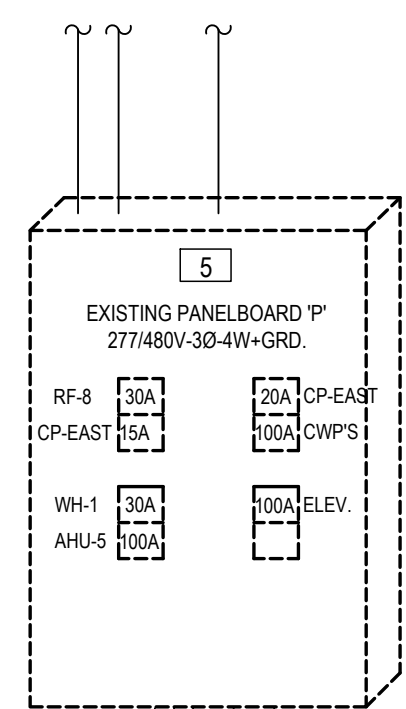
Issue Date: 08/06/2025

Sheet Title:

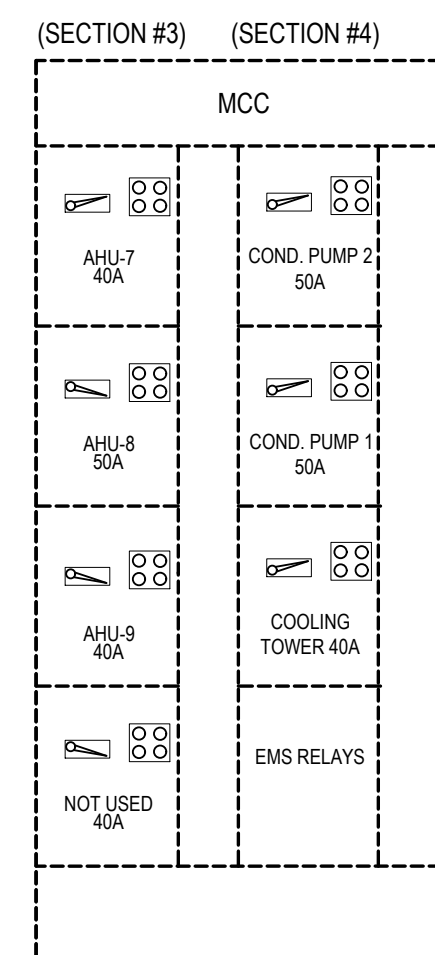
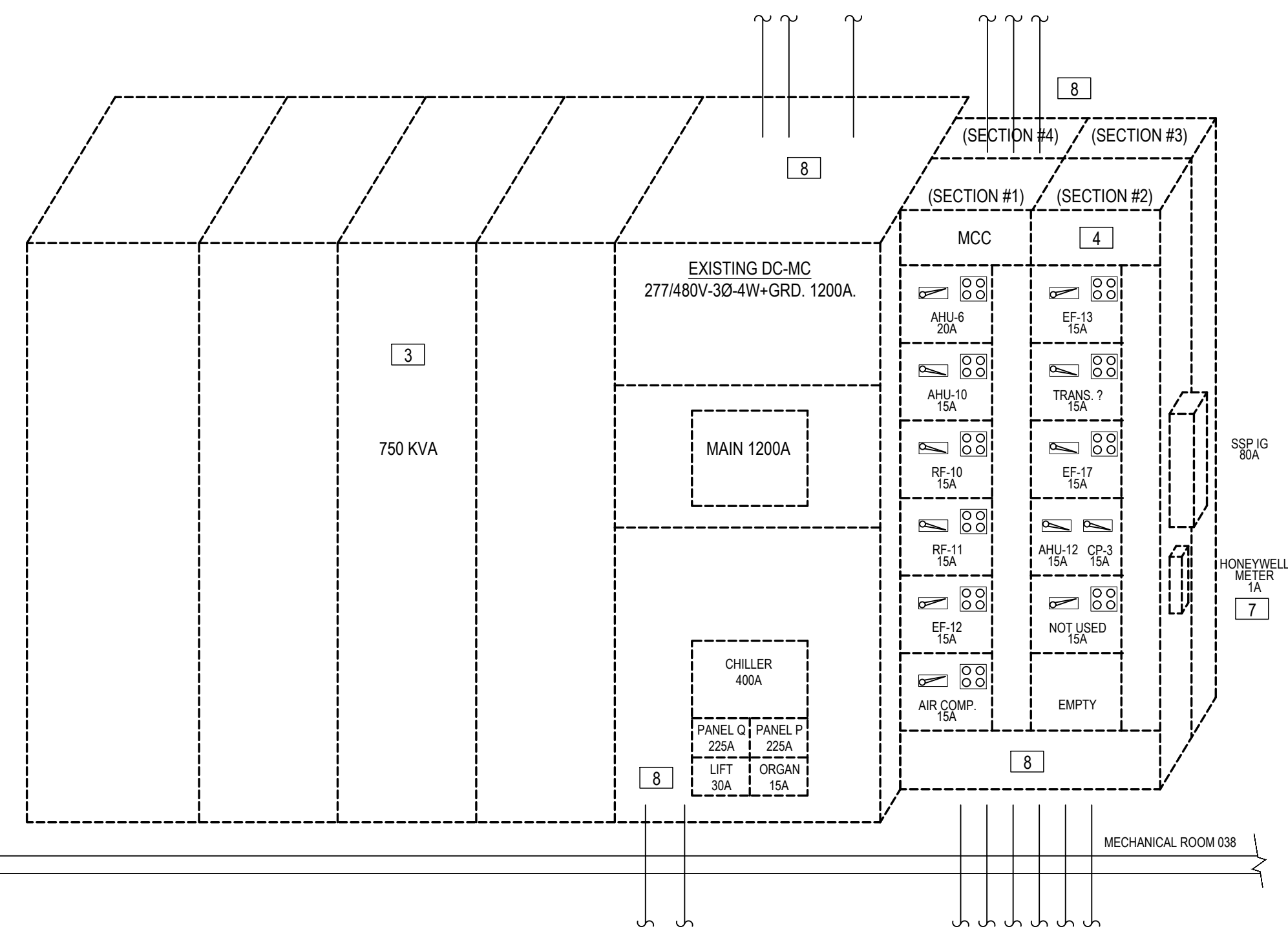
Sheet Number



1



1

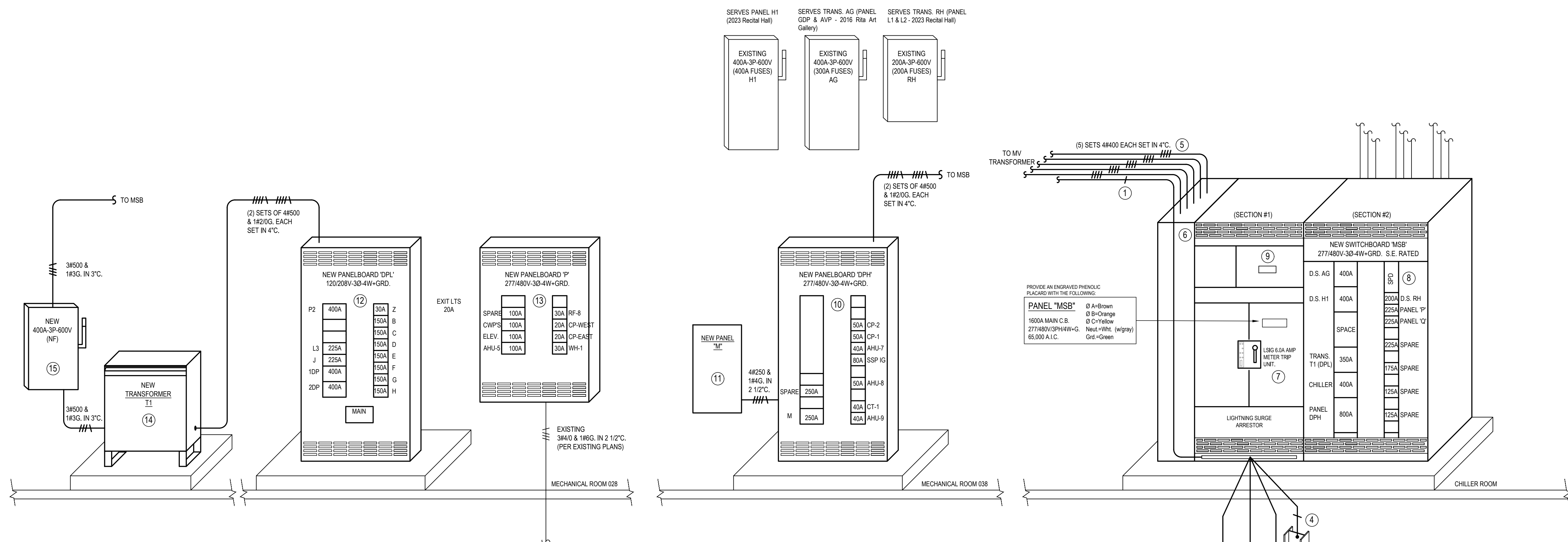


1. DISCONNECT & REMOVE EXISTING HV SWITCHBOARD SECTION #4.
2. DISCONNECT & REMOVE EXISTING DISTRIBUTION CENTER #1.
3. DISCONNECT & REMOVE EXISTING DISTRIBUTION CENTER "MC".
4. DISCONNECT & REMOVE EXISTING MCC.
5. DISCONNECT & REMOVE EXISTING PANEL 1"
6. DISCONNECT & REMOVE EXISTING LIGHTING CONTACTOR / ENCLOSURE. SALVAGE FOR REUSE.
7. DISCONNECT & REMOVE EXISTING HONEYWELL METER. SALVAGE FOR REUSE.
8. PROTECT & PRESERVE EXISTING FEEDERS.

Project Number: 25038.00
 Drawn By: SAM
 Checked By: SAM

Seal: 08/06/2025

Sheet Number



- (1) EXISTING BASE GROUND ROD IN BOTTOM OF TRENCH BELOW SERVICE ENTRANCE CONDUITS.
- (2) INSTALL BASE GROUND IN 12" PVC SCHEDULE 40 TO 3/4"x4" 10' LONG COPPER GROUND ROD (JAWBLED) AND DRIVEN TO A MINIMUM DEPTH OF 7'. TYPE OF (2) ROADS SPREAD AT 90° PART. FIELD VERIFY EXISTING INSTALLATION LOCATION.
- (3) EXISTING GROUND CONNECTED TO WATER SERVICE AT POINT WATER LINE ENTERS BUILDING NOT EXCEEDING 8 FEET FROM FOUNDATION. REMOVE ALL MATERIAL REQUIRED TO RE-INSTALL NEW GROUND ROD TO NEW SERVICE ENTRY LOCATION.
- (4) INSULATE EXISTING GROUNDRODS ELECTRODE CONDUCTOR CONNECTED TO BUILDING STEEL.
- (5) ALL FEEDERS ROUTED BELOW GRADE SHALL BE PVC SCHEDULE 40 (U/N) 4", ALL BENDS SHALL BE G.R.S., CONVERT TO G.R.S. BEFORE ENTERING BUILDING. NO ELECTRICAL PVC INSULING BUILDING.
- (6) PROVIDE A INSTALL NEW SERVICE ENTRANCE SWITCHBOARD WITH LINE DISTRIBUTION (REPLACES EXISTING SWITCHBOARDS). CONNECT ALL FEEDERS THAT ARE REQUIRED TO REMAIN TO NEW SWITCHBOARD. PROVIDE ALL LABOR & MATERIAL REQUIRED TO RE-MANUFACTURE ALL EXISTING CIRCUITS AND PROPERTY IDENTIFY IN NEW CIRCUIT DIRECTORY. NOTE: PROVIDE AUXILIARY SECTION (IF REQUIRED) TO FACILITATE SERVICE ENTRANCE RECORDS.
- (7) PROVIDE 2000A FRAME MAIN BREAKER SET 120V LINE-TIME RATING TO 100A. ELECTRONIC POWER FACT MICROLOGIC TRIP UNIT. EQUIP. TO SQUARE D 6BA FOR LSI SETTINGS (PROVIDE COMMUNICATIONS OPTION).
- (8) INTEGRAL UNIT DIRECTLY CONNECT TO BUS. EQUIP. TO SQUARE D ICFM24AC.
- (9) REENTRANCE EXISTING HONEYPWELL POWER METER TO NEW SWITCHBOARD.
- (10) PROVIDE A INSTALL NEW DISTRIBUTION PANELEMBAYD (RP) REPLACES EXISTING DC-MC). CONNECT ALL EXISTING FEEDERS & BRANCH CIRCUITS THAT ARE REQUIRED TO REMAIN TO THIS NEW PANEL. PROVIDE ALL LABOR & MATERIAL REQUIRED TO RE-MANUFACTURE ALL EXISTING CIRCUITS AND PROPERTY IDENTIFY IN NEW CIRCUIT DIRECTORY. REMOVE ALL UNUSED/ABANDONED CIRCUITS. TYPICAL.
- (11) PROVIDE A INSTALL NEW BRANCH PANEL IF REPLACES EXISTING MCQ. CONNECT ALL EXISTING BRANCH CIRCUITS THAT ARE REQUIRED TO REMAIN TO THIS NEW PANEL. PROVIDE ALL LABOR & MATERIAL REQUIRED TO RE-MANUFACTURE ALL EXISTING CIRCUITS AND PROPERTY IDENTIFY IN NEW CIRCUIT DIRECTORY. REMOVE ALL UNUSED/ABANDONED CIRCUITS. TYPICAL.
- (12) PROVIDE A INSTALL NEW DISTRIBUTION PANELEMBAYD (RP) REPLACES EXISTING DC-D. CONNECT ALL EXISTING FEEDERS & BRANCH CIRCUITS THAT ARE REQUIRED TO REMAIN TO THIS NEW PANEL. PROVIDE ALL LABOR & MATERIAL REQUIRED TO TRACE OUT ALL EXISTING CIRCUITS AND PROPERTY IDENTIFY IN NEW CIRCUIT DIRECTORY. REMOVE ALL UNUSED/ABANDONED CIRCUITS. TYPICAL.
- (13) PROVIDE A INSTALL NEW DISTRIBUTION PANELEMBAYD (RP) REPLACES EXISTING GP. CONNECT ALL EXISTING FEEDERS THAT ARE REQUIRED TO REMAIN TO THIS NEW PANEL. PROVIDE ALL LABOR & MATERIAL REQUIRED TO TRACE OUT ALL EXISTING CIRCUITS AND PROPERTY IDENTIFY IN NEW CIRCUIT DIRECTORY. REMOVE ALL UNUSED/ABANDONED CIRCUITS. TYPICAL.
- (14) PROVIDE A INSTALL NEW TRANSFORMER T1 ON NEW HOUSEKEEPING PAD. FIELD VERIFY EXISTING TRANSFORMATION LOCATION WITH OWNER. USE LEGIBLE METAL DISCOUNT WHEN CONNECTING TO TRANSFORMER. CONNECT AT SIDE OF TRANSFORMER. FIELD VERIFY EXISTING TRANSFORMATION LOCATION WITH OWNER.
- (15) PROVIDE A INSTALL NEW 400A-3P/4W NON-FUSED DISCONNECT ON PRIMARY SIDE OF TRANSFORMER. FIELD VERIFY EXISTING MOUNTING LOCATION WITH OWNER.
- (16) AT EACH PANEL, REPLACEMENT LOCATION, PROTECT EXISTING DEVICES TO BE REUSED. PROVIDE ALL REQUIRED MATERIALS TO NEW NEARBY PANELS. PROVIDE A FOLD BACK RECONNECTING EXISTING DEVICES TO NEW SWITCHGEAR. IF NECESSARY, SPLICE EXISTING FEEDERS USING 3/8" NALME CONNECTION SPLICE KIT WITH HEAVY CORD GOLD SPRING INSULATION. CABLE ALL SPRINGS TO A MAINLINE - UNNECESSARY SPLICES WILL NOT BE PERMITTED.

Project:
**GARVEY FINE ARTS CENTER
ELECTRICAL UPGRADES**

Client:
WASHBURN UNIVERSITY
1700 SW JEWELL
TOPEKA, KS

Project Number: 25038.00
Drawn By: SAM
Checked By: SAM

Engineer Seal:



Rev.	Description	Date
------	-------------	------

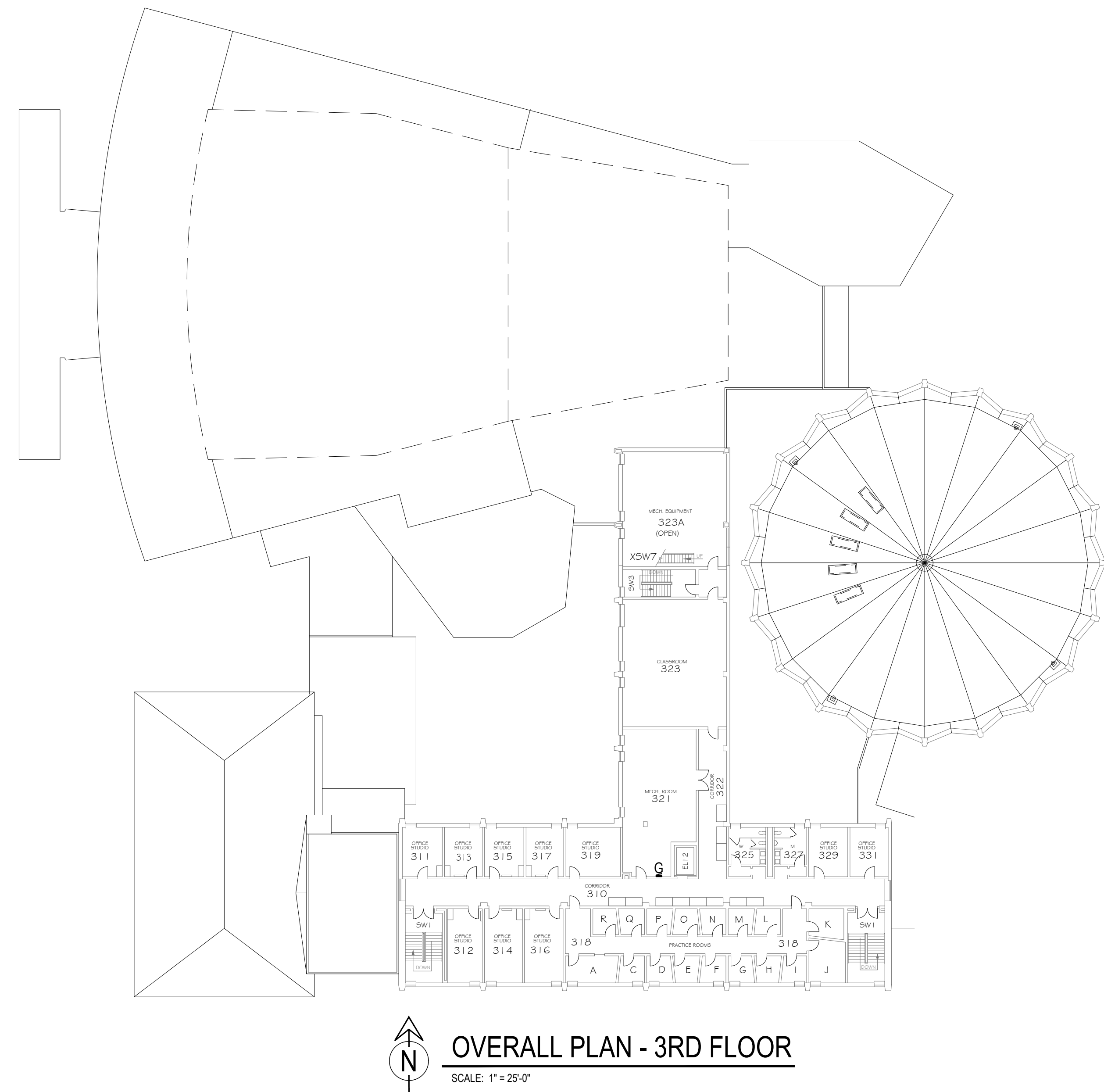
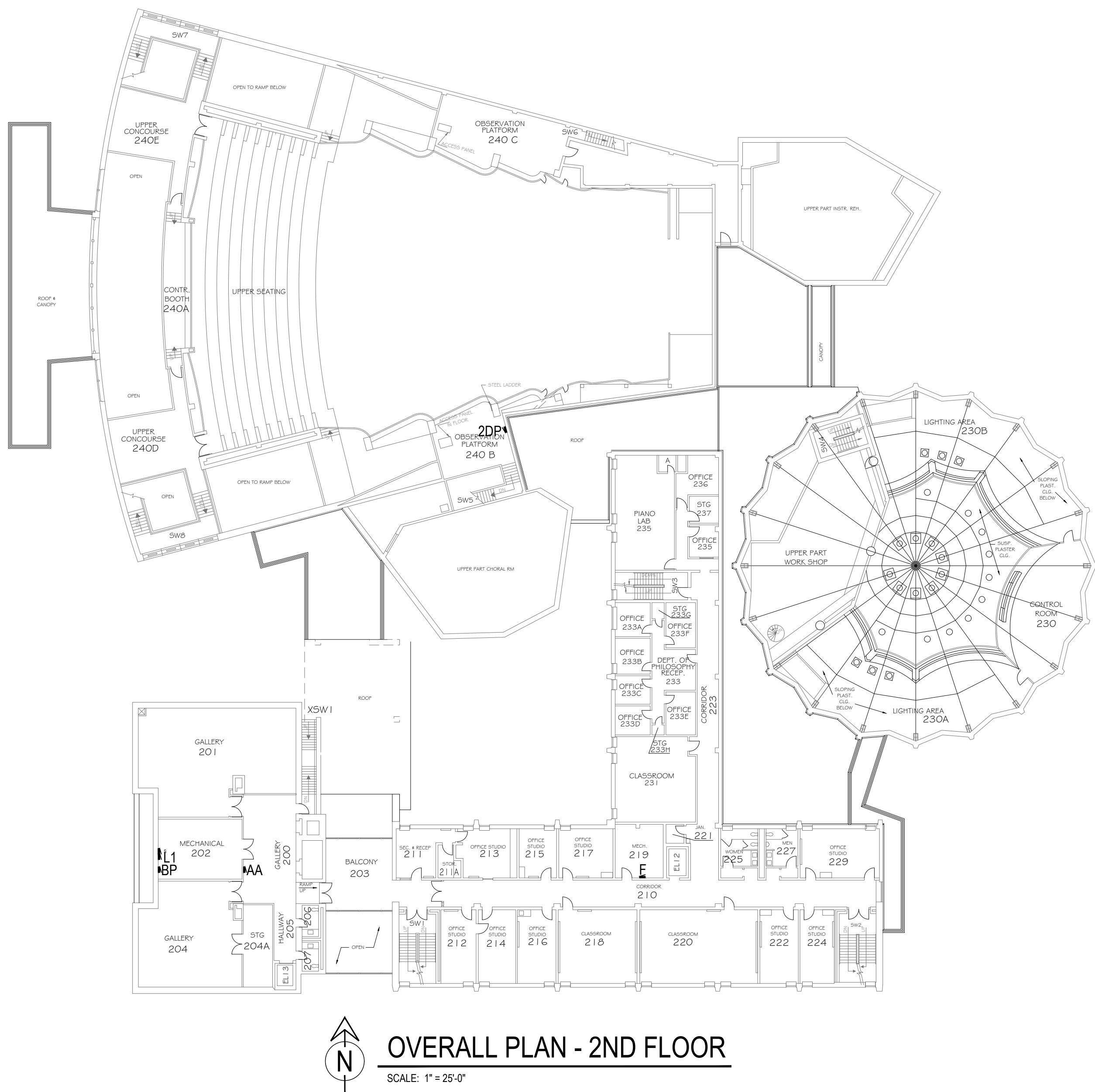
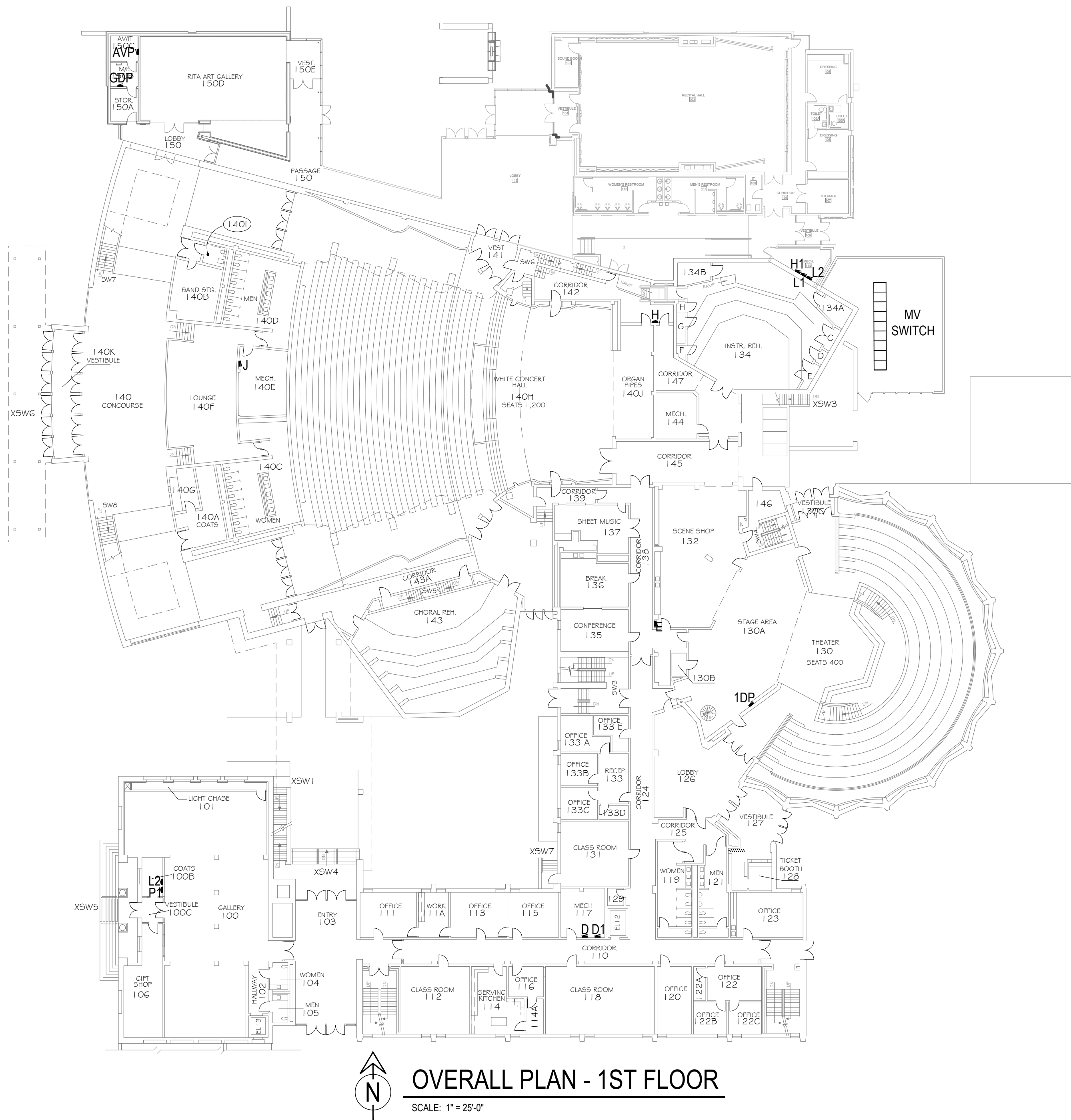
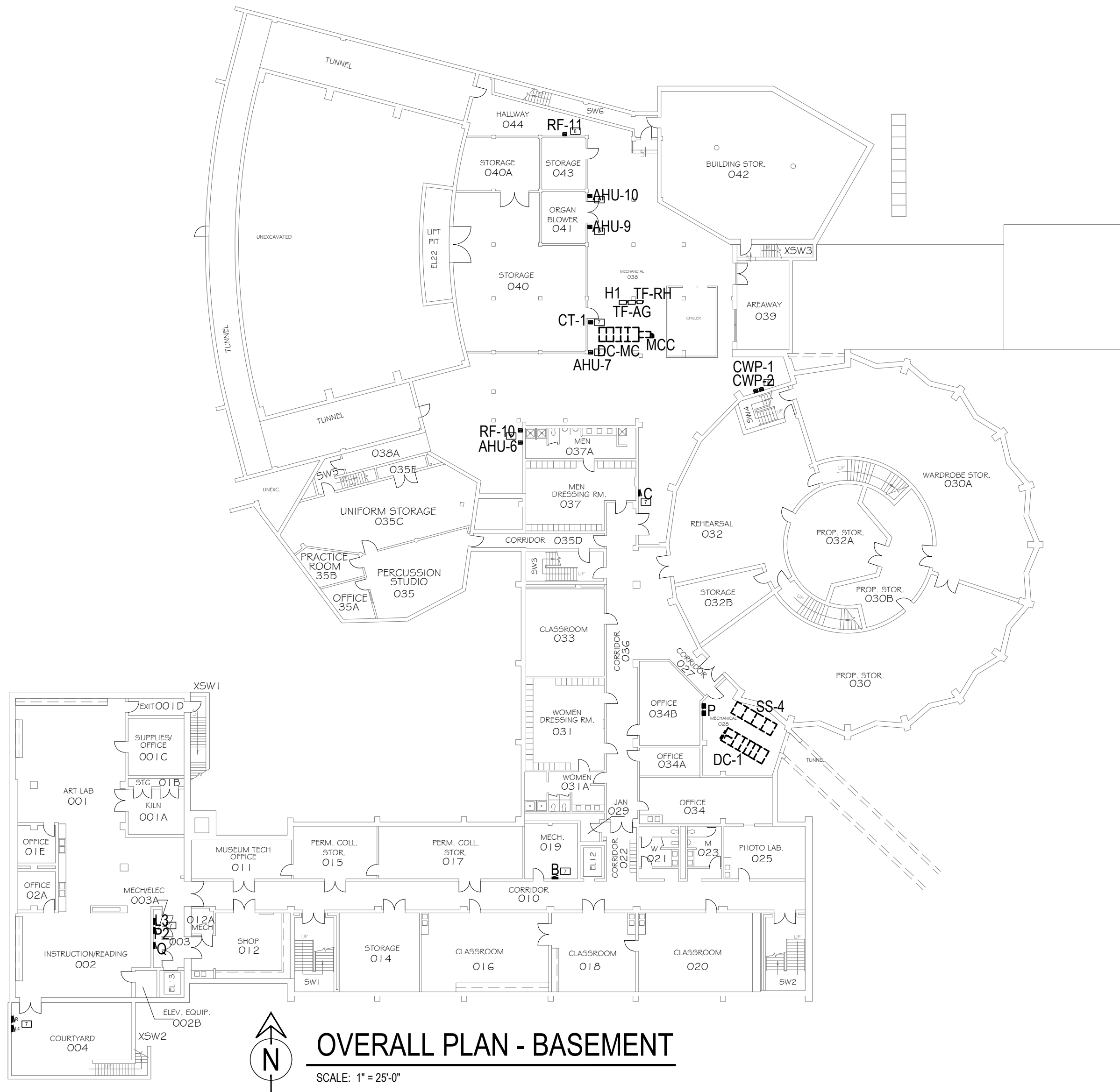
Issue Date: 08/06/2025

Sheet Title:

Sheet Number

E2.0

RFP 900072





basisengineers.com
Telephone 316.941.5533

© 2025 BASIS CONSULTING ENGINEERS, LLC

Client:
WASHBURN UNIVERSITY
1700 SW JEWELL
TOPEKA, KS

Engineer Seal:

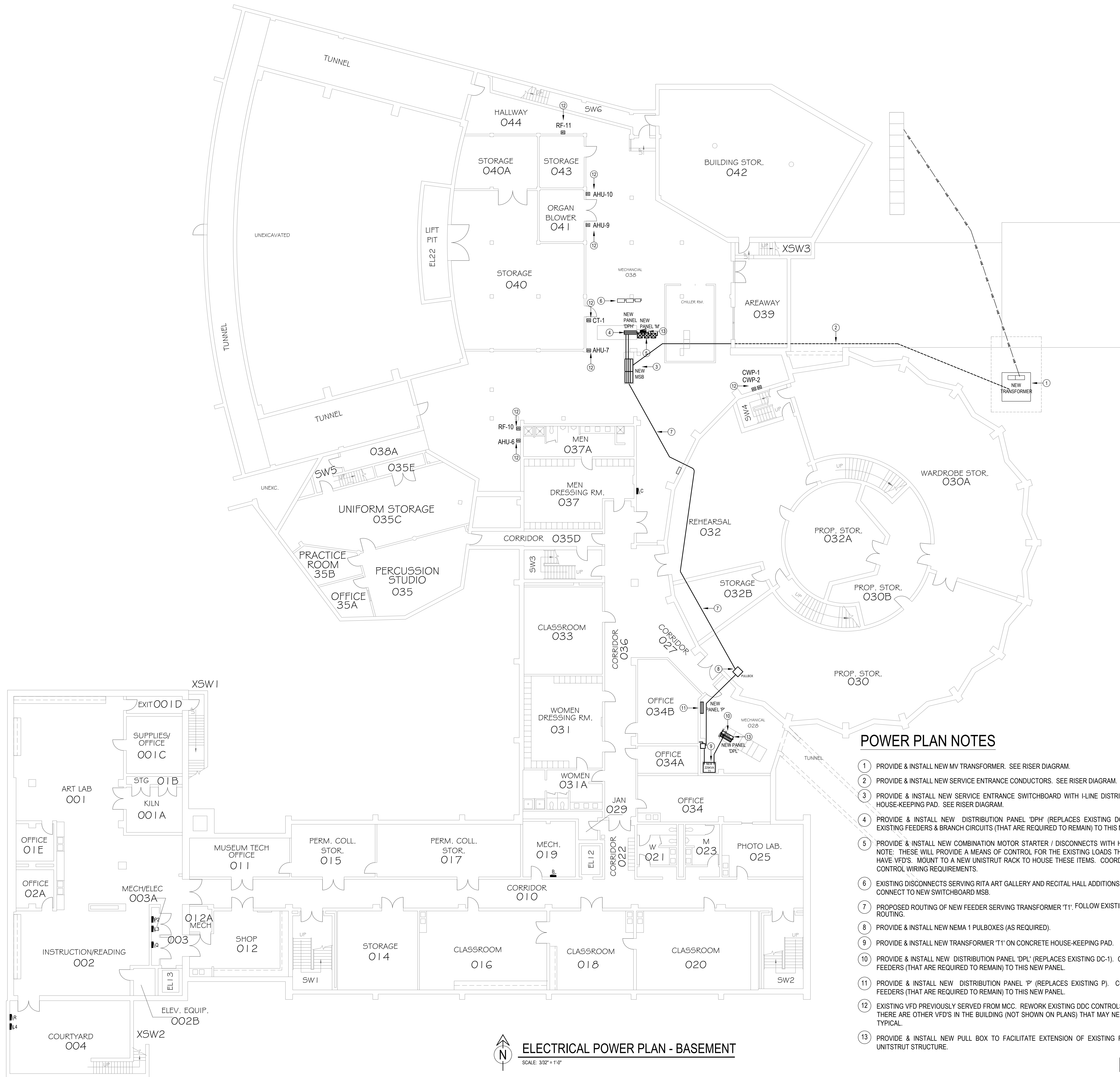


Sheet Title:

Sheet Number

E2.1

RFP 900072



30" x 42"



basisengineers.com
Telephone 316.941.5533

© 2025 BASIS CONSULTING ENGINEERS, LLC

Client:
WASHBURN UNIVERSITY
1700 SW JEWELL
TOPEKA, KS

Engineer Seal:

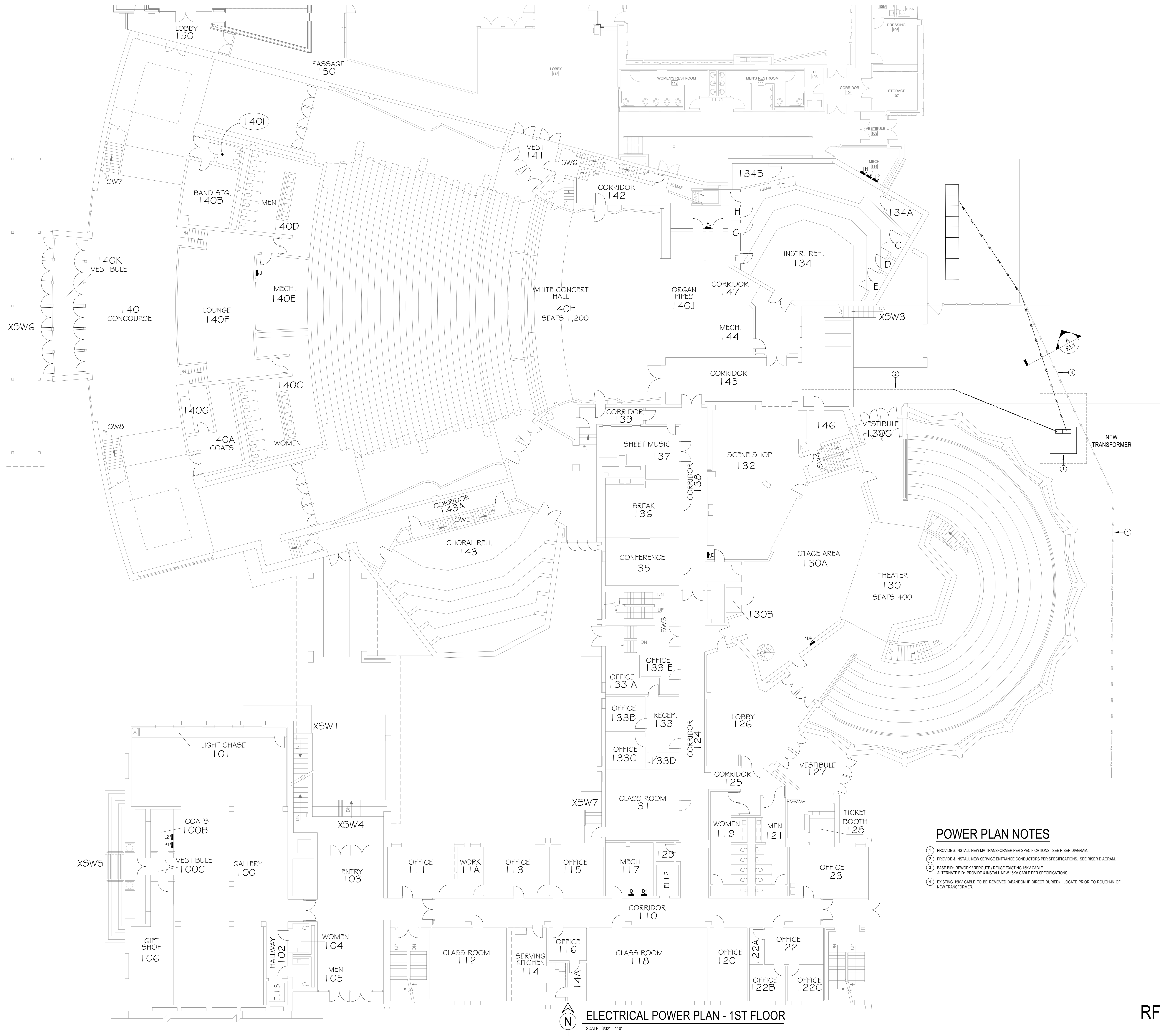
[illegible]

Sheet Title:

Sheet Number

E2.2

RFP 900072



30" x 42"