

AVOCA MAINTENANCE GARAGE, ELECTRICAL UPGRADE

1110 N CHESTNUT ST.
AVOCA, IA 51521

INDEX OF DRAWINGS

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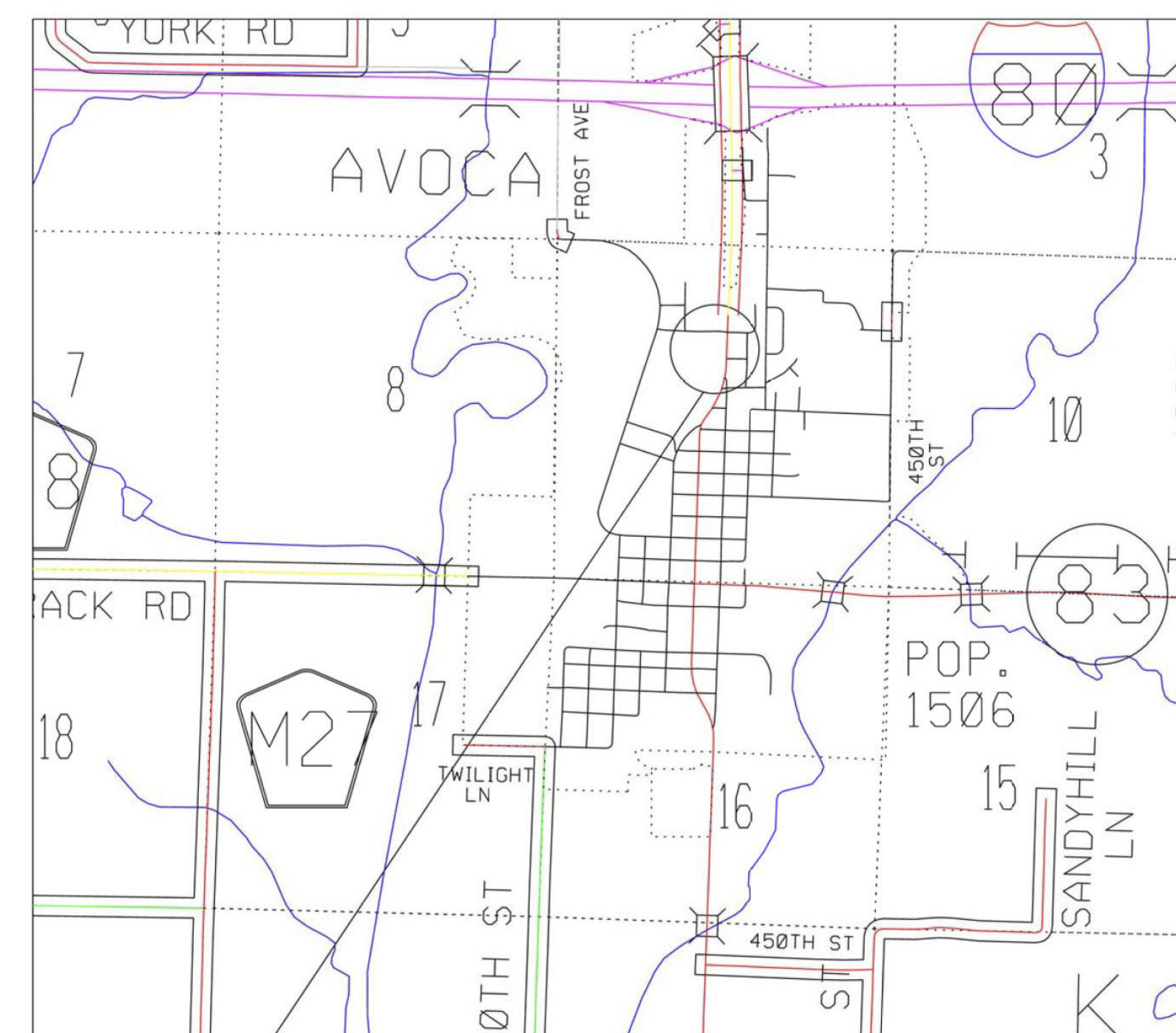
PROJECT: BG-1A41 (015)--80-78



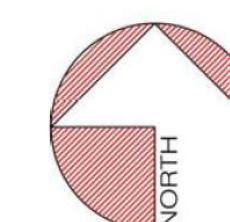
CONSULTANT:

STANLEY CONSULTANTS CO
225 Iowa Avenue
MUSCATINE, IA

OFFICE OF SUPPORT SERVICES
800 LINCOLN WAY
AMES, IOWA 50010



PROJECT LOCATION





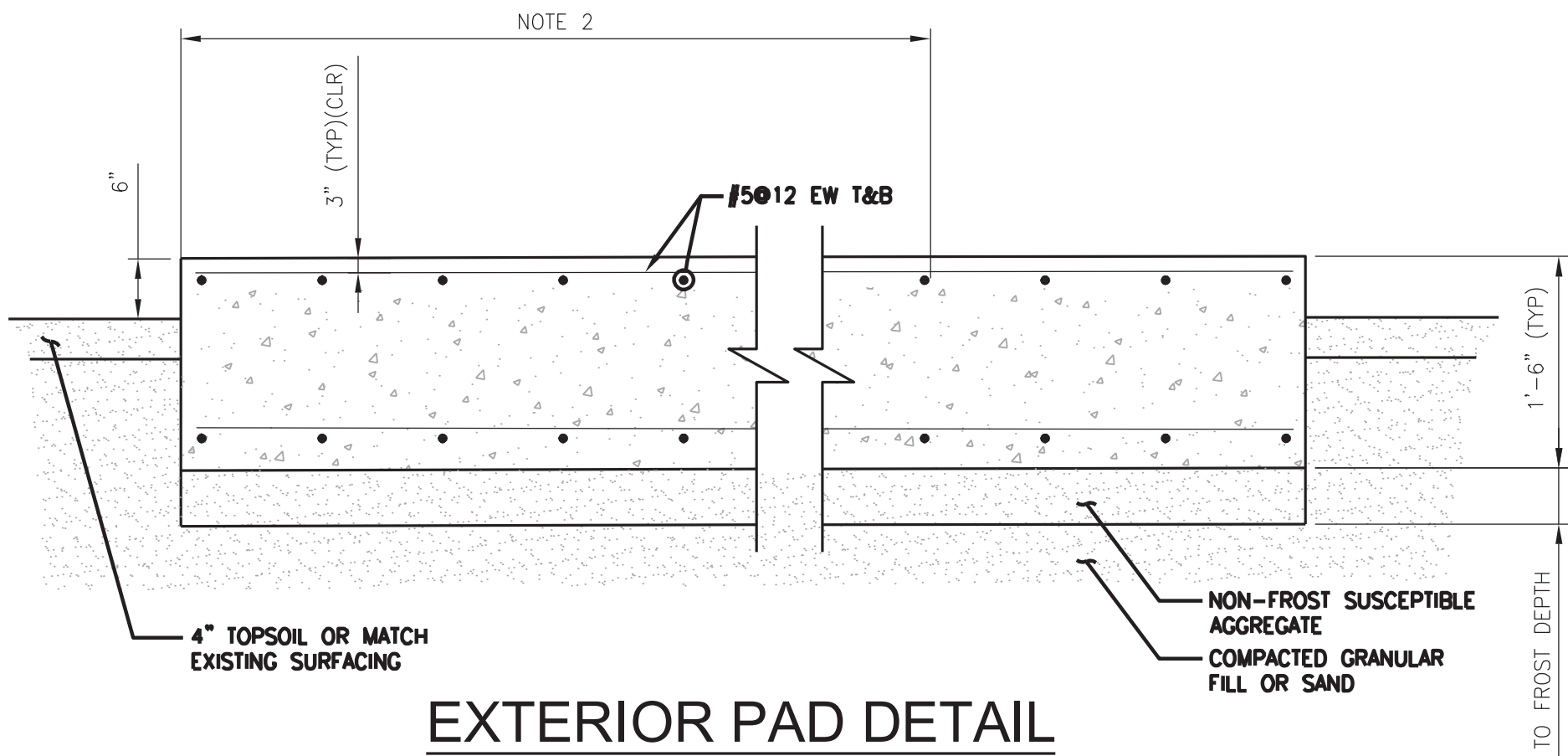
NOTES:

1. NEW 600A ATS AND 600A SERVICE ENTRANCE DISCONNECT. PAD MOUNT ATS BESIDE EXISTING UTILITY SERVICE ENTRANCE.
2. PROVIDE 2 - 500 KCML, #3 GND, 4\"/>

LEGEND:

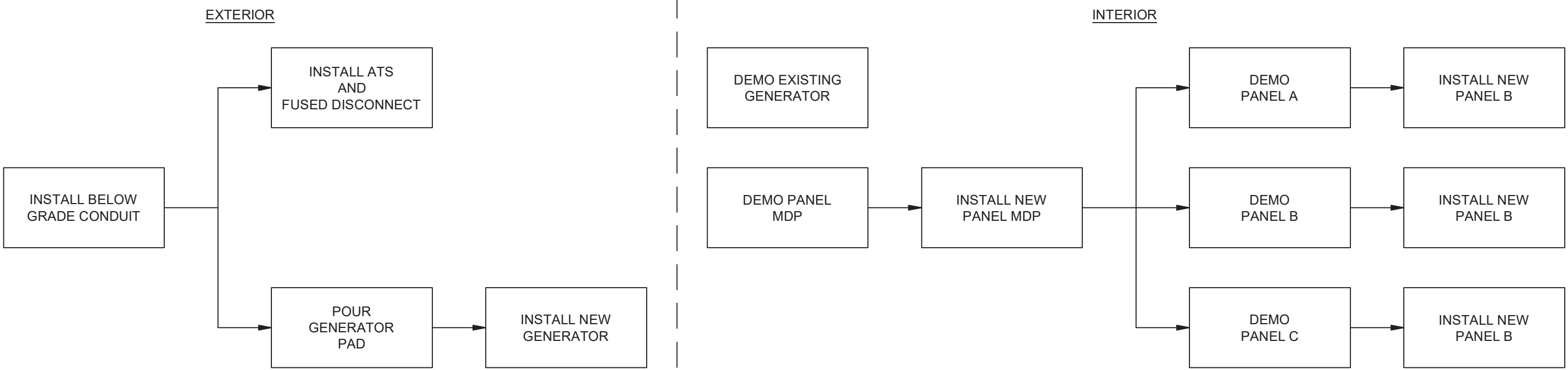


TIE POINT INTO AN EXISTING SYSTEM

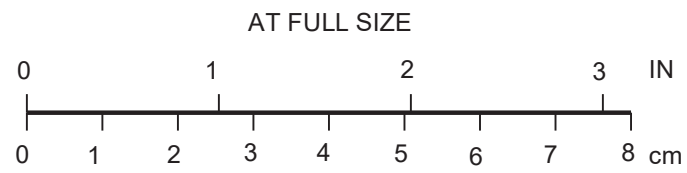


NOTES:

1. COORDINATE WITH ELECTRICAL CONTRACTOR FOR DINAL DIMENSIONS BEFORE POURING PAD.
2. CONCRETE PAD SHALL BE SIZED FOR THE GENERATOR EXTENTS PLUS 6\"/>



CONSTRUCTION PHASING



LICENSED PROFESSIONAL ENGINEER

LANE E. INGRAM

17368

IOWA

I HEREBY CERTIFY THAT REVISION 0 TO THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

LANE E INGRAM

LICENSE NUMBER: 17368

MY LICENSE RENEWAL DATE IS 12/31/2022

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ALL SHEETS

04-15-2022

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

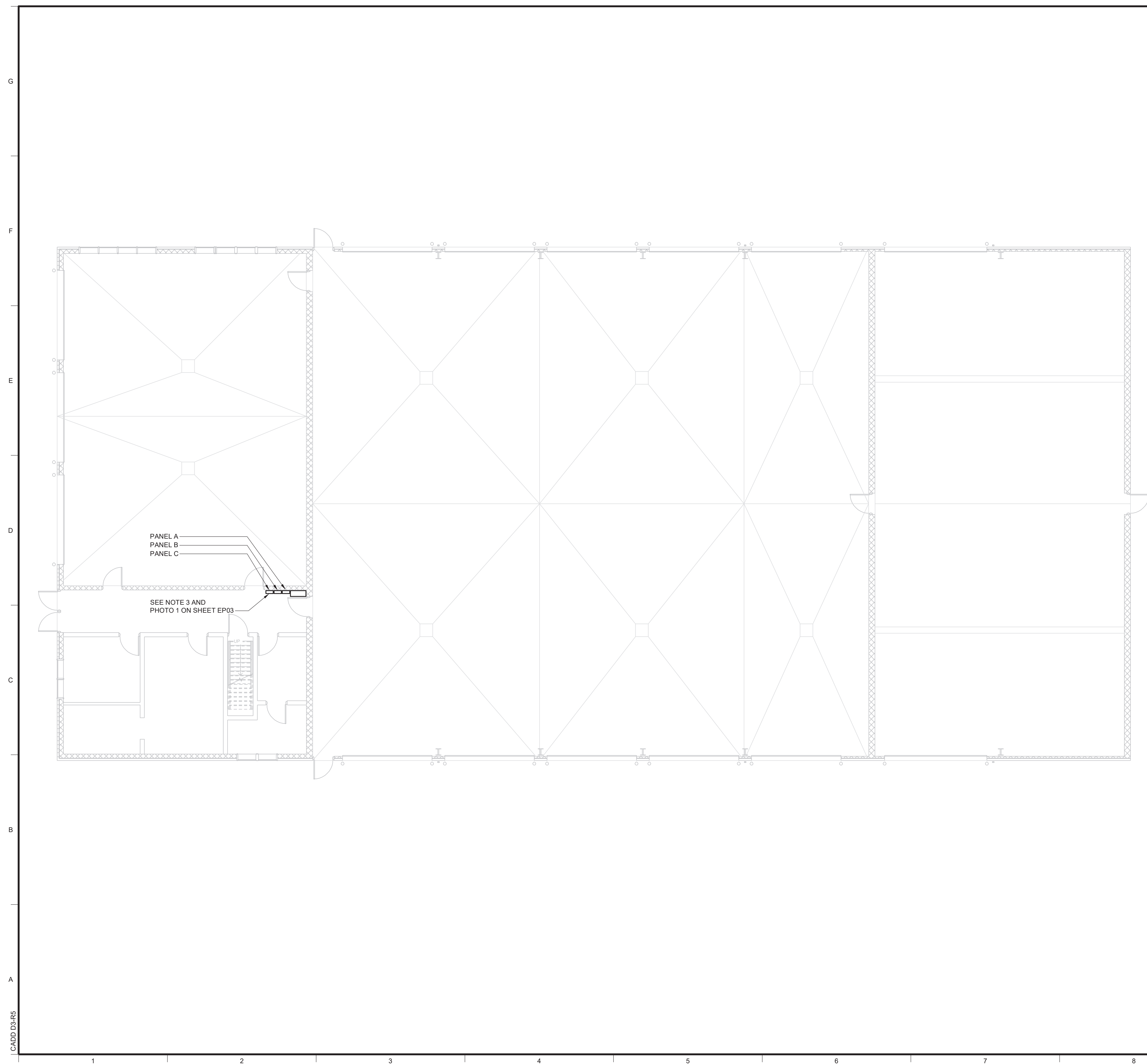
225 Iowa Avenue, Muscatine, Iowa 52761-3764

www.stanleyconsultants.com

IOWA DEPARTMENT OF TRANSPORTATION
WO 30 AVOCA ELECTRICAL UPGRADES
XXX, IOWA

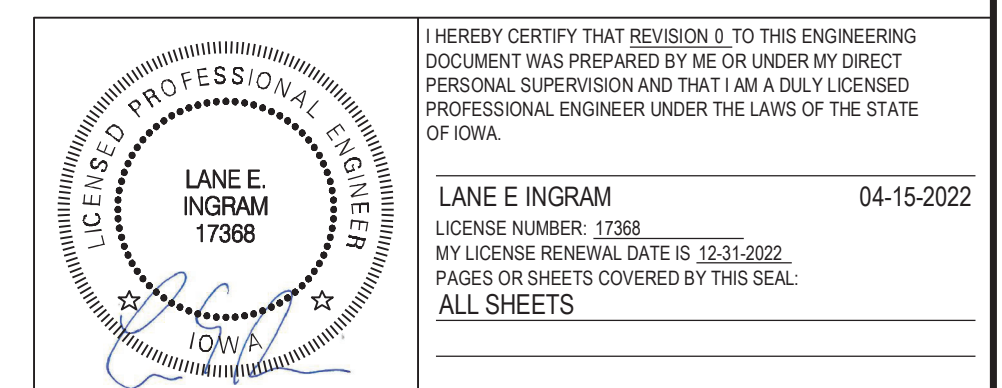
ELECTRICAL
ELECTRICAL PLAN - SHEET 1

DESIGNED: BA WACHTEL	SCALE: NONE	NO. 30093.30	REV.
DRAWN: BW DEEN			
CHECKED: LE INGRAM			
APPROVED: APRIL 15, 2002		EP001	0
DATE			



NOTES:

1. DIMENSIONS SHOWN ARE ESTIMATES. CONTRACTOR TO COORDINATE EQUIPMENT DIMENSIONS CIRCUIT LENGTHS IN THE ALL ROUTING SHOWN IS SCHEMATIC IN NATURE AND SHALL BE FIELD ROUTED BY THE CONTRACTOR. COORDINATE OUTAGES WITH THE OWNER.
2. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE NEC AND LOCAL CODES.
3. DEMO EXISTING PANELS A, B AND, C, MDP, & ATS. PROTECT EXISTING CIRCUITS FOR RELOCATION TO NEW PANELS A, B AND C. REROUTE CIRCUITS TO NEW PANELS A, B AND C. SEE PANEL SCHEDULES ON SHEET EP04. INSTALL NEW CABLE TROUGH FOR REQUIRED SPLICES TO MAKE NEW PANEL CONNECTIONS BELOW PANEL A, B AND C.
4. DEMO EXISTING GENERATOR ON SECOND FLOOR AND REMOVE CONDUIT CABLEING TO SOURCE. PATCH AND FILL ANY OPENINGS LEFT AFTER GENERATOR DEMOLITION INCLUDING INSTALLATION OF NEW CMUS FOR WALL.
5. COORDINATE OUTAGE WITH OWNER. UTILIZE TEMPORARY PANEL TO KEEP SERVICE ENERGIZED WHILE WORK IS BEING PERFORMED TO MINIMIZE OUTAGES.
6. CONTRACTOR TO PATCH AND REPAIR ALL UNUSED CONDUIT OPENINGS AND MODIFIED FINISH SURFACES. PATCHING AND REPAIRS SHALL MATCH MATERIALS, FINISH, AND TEXTURE OF ADJACENT SURFACES.
7. CONTRACTOR TO PROVIDE CONDUIT EXPANSION FITTINGS WHEN CROSSING EXPANSION JOINTS.
8. CONTRACTOR SHALL MAINTAIN ALL FIRE RATINGS WHEN MAKING WALL PENETRATIONS. PROVIDE FIRE PROOFING MATERIAL AS REQUIRED TO MAINTAIN RATING.



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ELECTRICAL
ELECTRICAL PLAN - SHEET 2

DESIGNED <u>BA WACHTEL</u>	SCALE: 1/4" = 1'-0"	
DRAWN <u>BW DEEN</u>	NO. 30093.30	REV.
CHECKED _____		
APPROVED <u>LE INGRAM</u>		
APPROVED _____		
DATE <u>APRIL 15, 2002</u>	EP002	0



PHOTO 1



PHOTO 2



PHOTO 3

(NOTE 2)



PHOTO 4

NOTES:

1. CAP EXISTING GAS LINE TO EXISTING GENERATOR.
2. CONTRACTOR TO IDENTIFY MAINTENANCE GARAGE CIRCUIT AND DEMO EXISTING CIRCUIT. INSTALL NEW CIRCUIT AS SHOWN ON SHEET EP04. INSTALL NEW TERMINATION BLOCKS TO ACCOMMODATE THE EXTRA CABLES AND INCREASED SIZE.
3. COORDINATE WITH NATURAL GAS UTILITY PROVIDER TO ADJUST GAS PRESSURE TO 2PSI.
4. PROVIDE AND INSTALL PRESSURE REGULATOR SUITABLE FOR NATURAL GAS SERVICE. SET PRESSURE REGULATOR TO 11"WG.

LEGEND:

////// DEMOLITION

	I HEREBY CERTIFY THAT REVISION 0 TO THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.	
	LANE E. INGRAM LICENSE NUMBER: 17368 MY LICENSE RENEWAL DATE IS 12/31/2022 PAGES OR SHEETS COVERED BY THIS SEAL: ALL SHEETS	04-15-2022

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