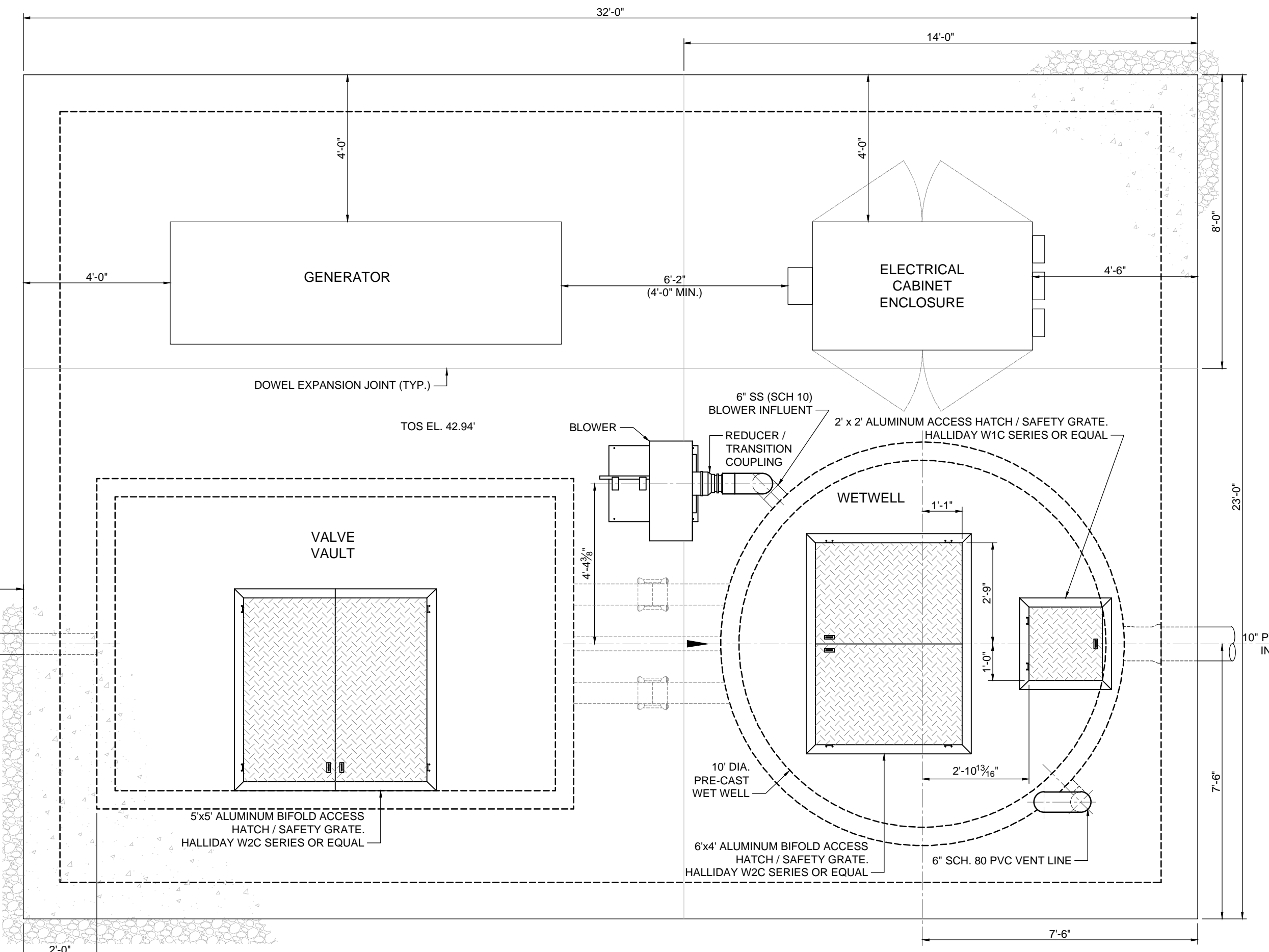
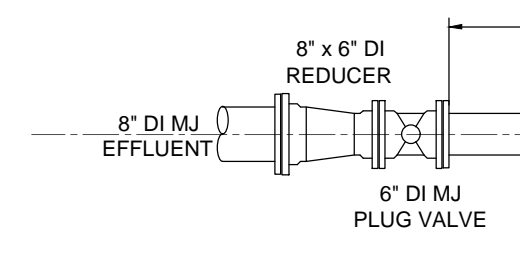
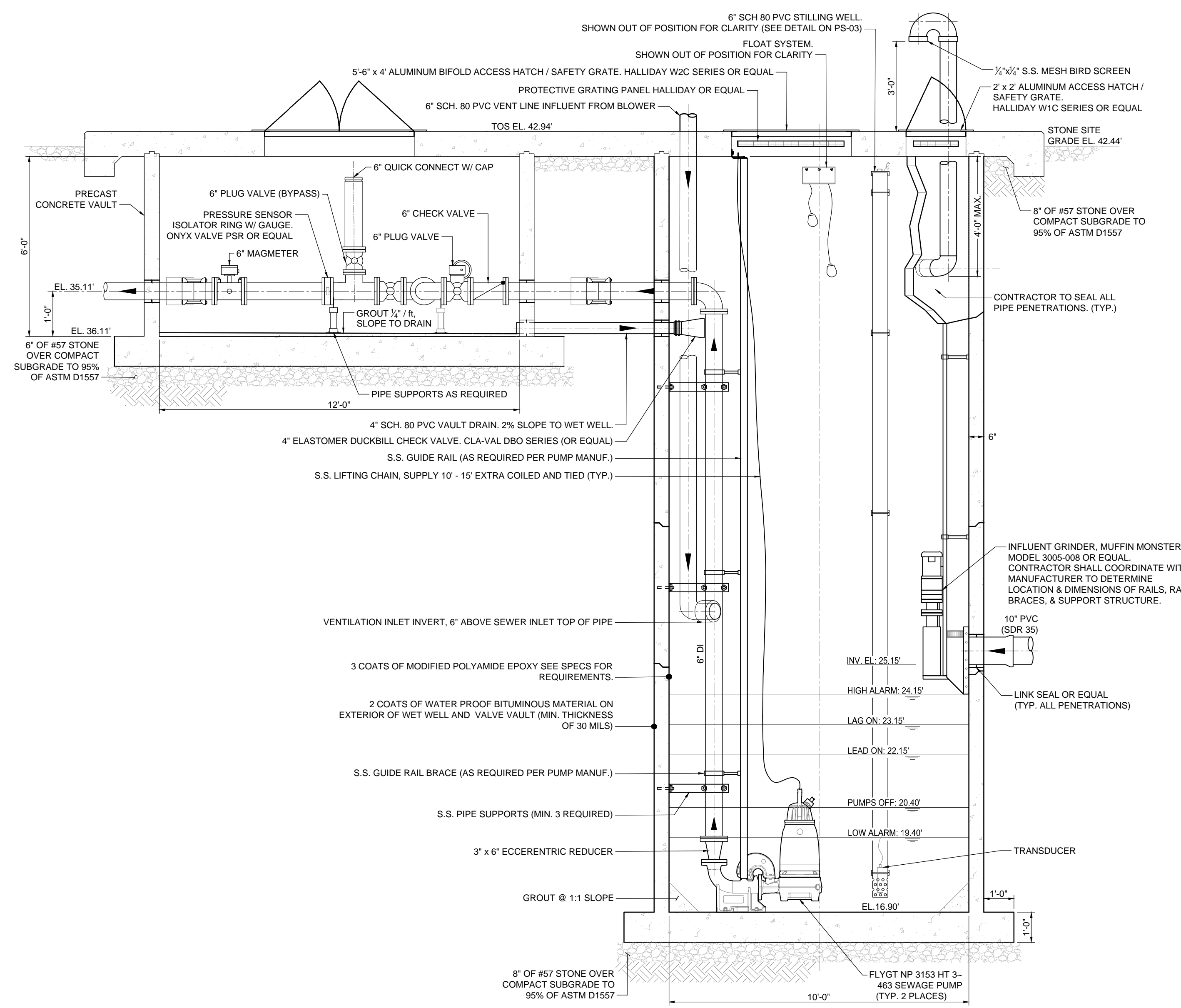


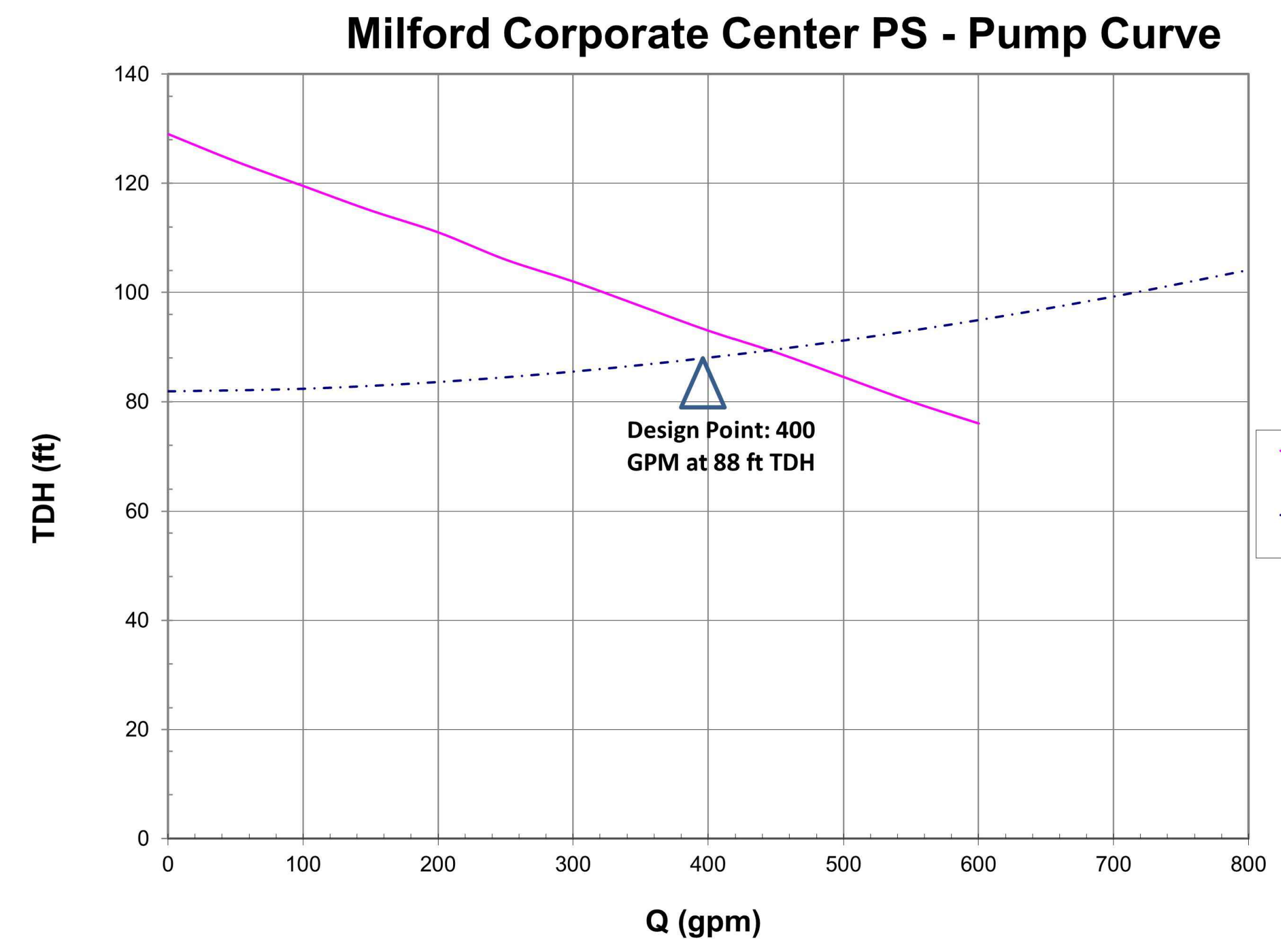
BELOW SLAB PLAN VIEW
SCALE: 3/8" = 1'-0"



AT GRADE PLAN VIEW
SCALE: 3/8" = 1'-0"



ELEVATION VIEW
SCALE: 3/8" = 1'-0"



NO.	DATE	REVISION

OWNER/DEVELOPER:
CITY OF MILFORD
119 S WALNUT STREET
MILFORD, DE 19967
PH: (302) 422-6616

KCI TECHNOLOGIES, INC.
ENGINEERS - PLANNERS - SURVEYORS
814 N. DuPont Highway, Suite 100 Dover DE 19901
PHONE: (302) 747-3889 FAX: (302) 751-1687 Website: www.kci.com

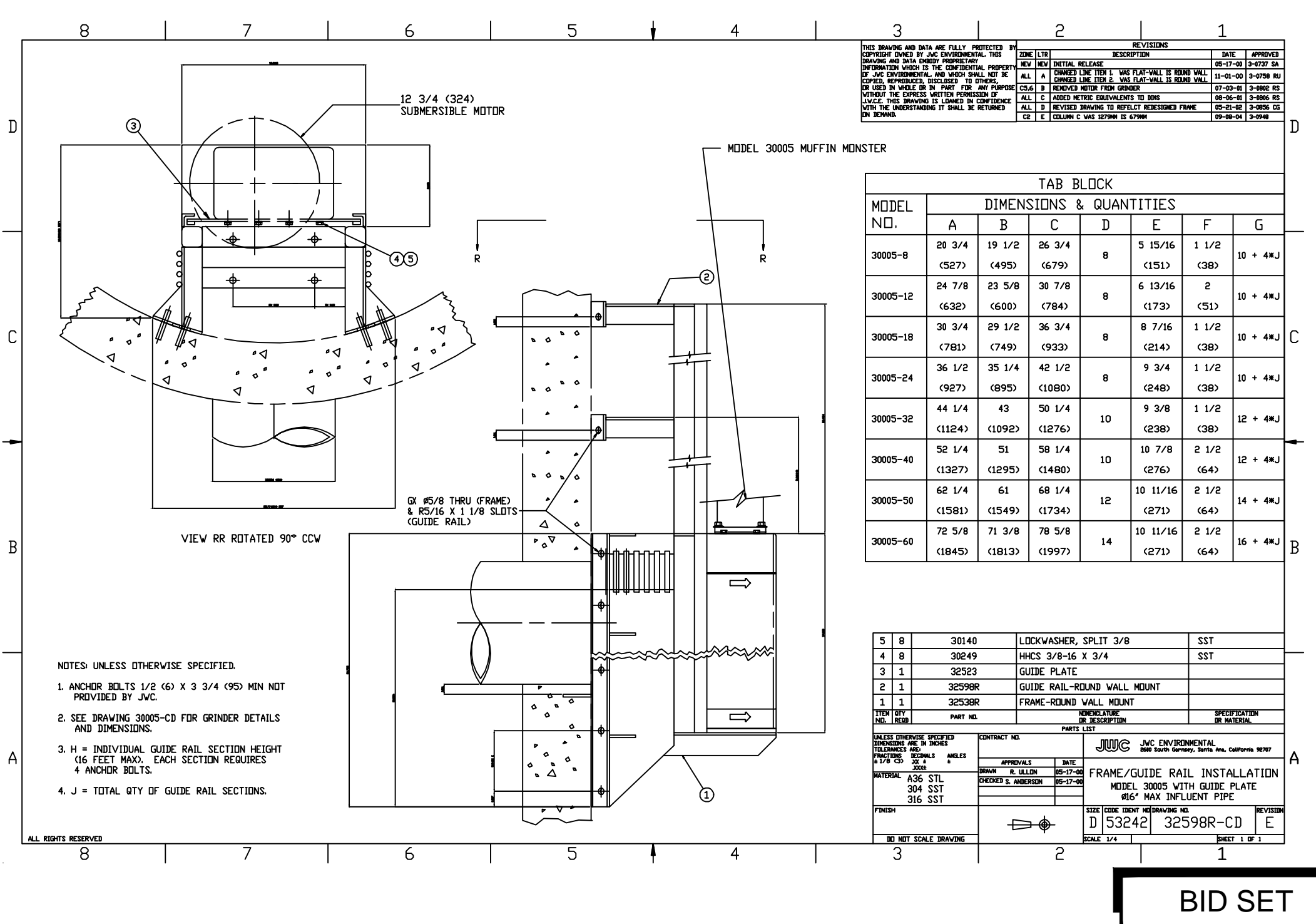
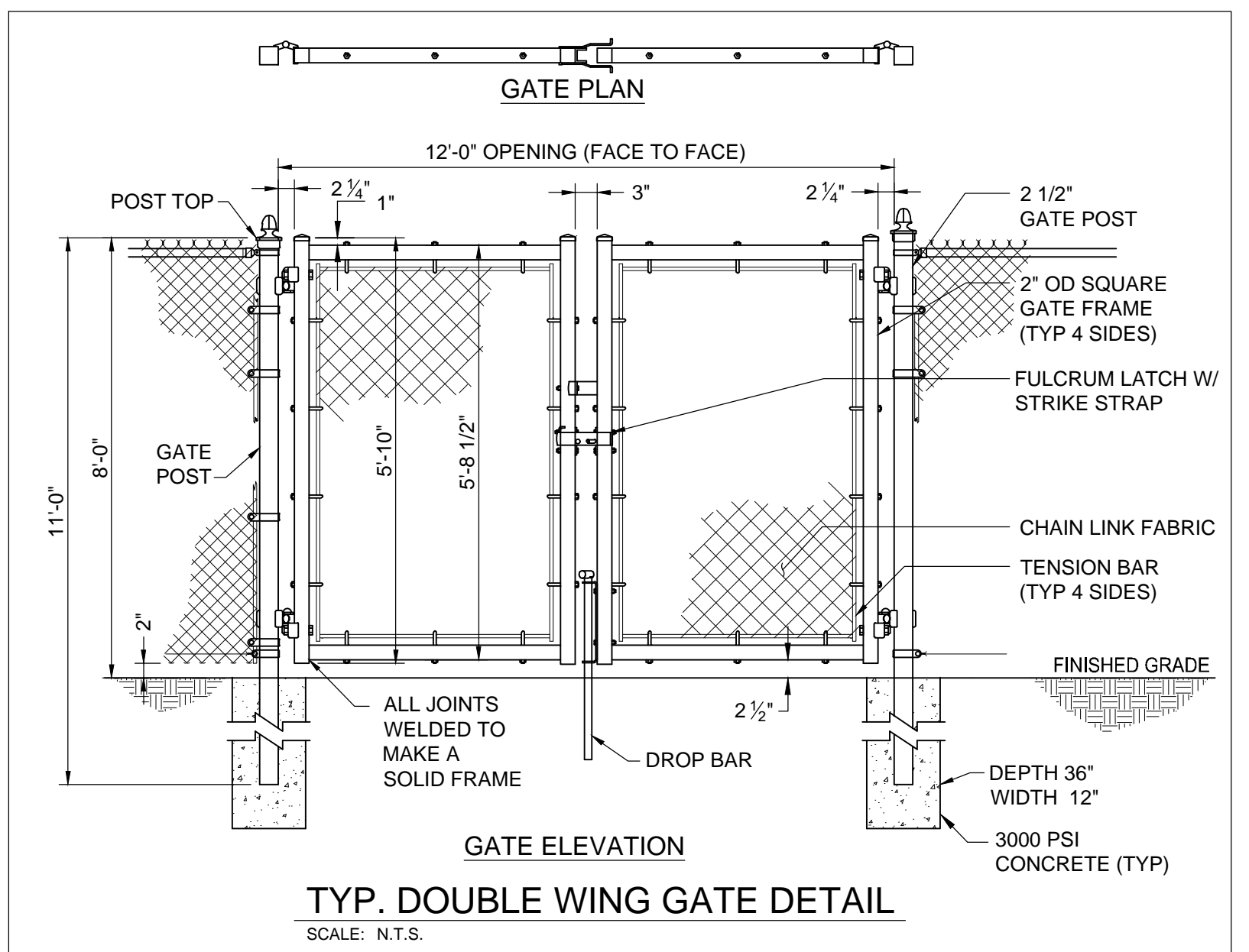
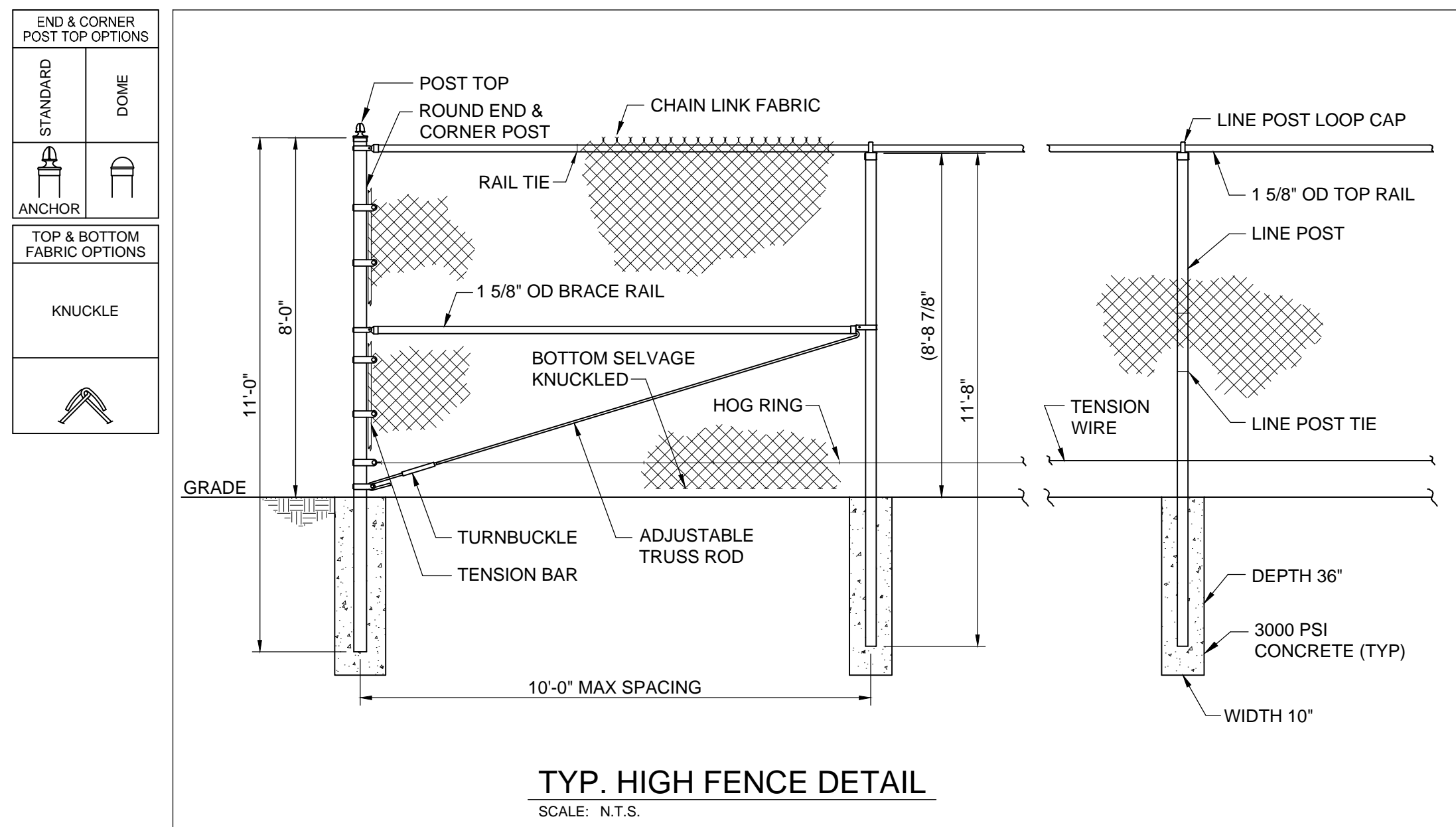
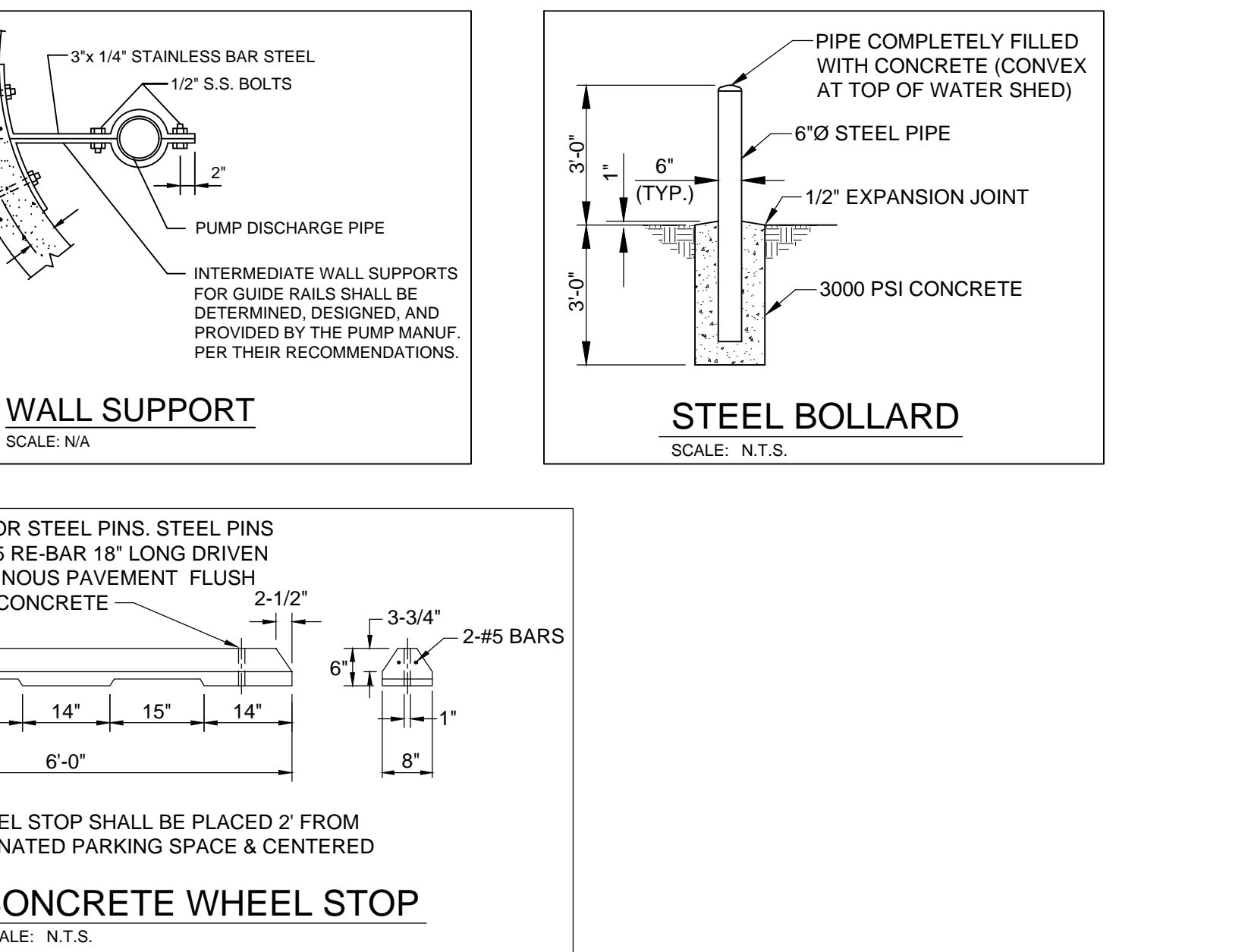
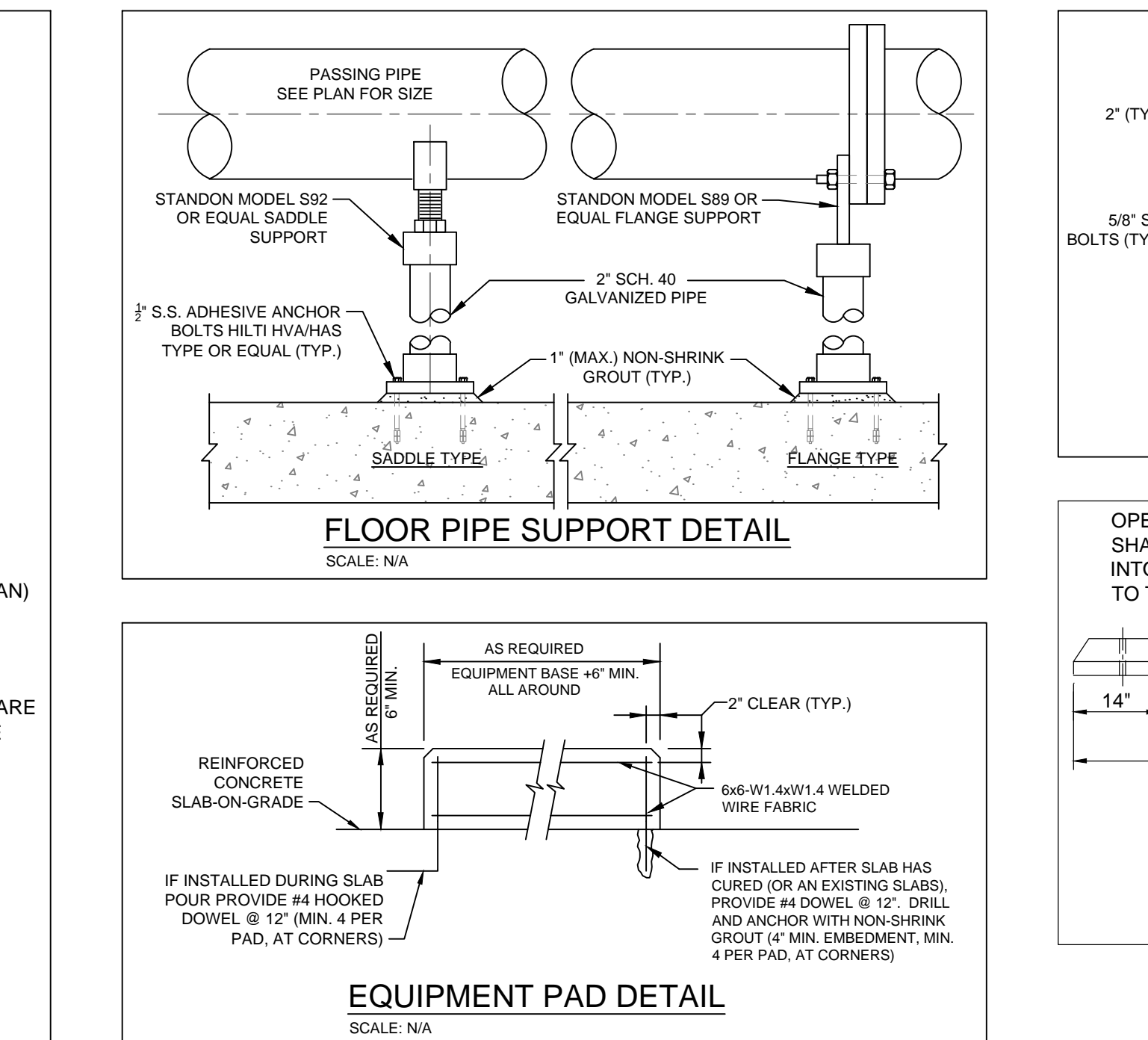
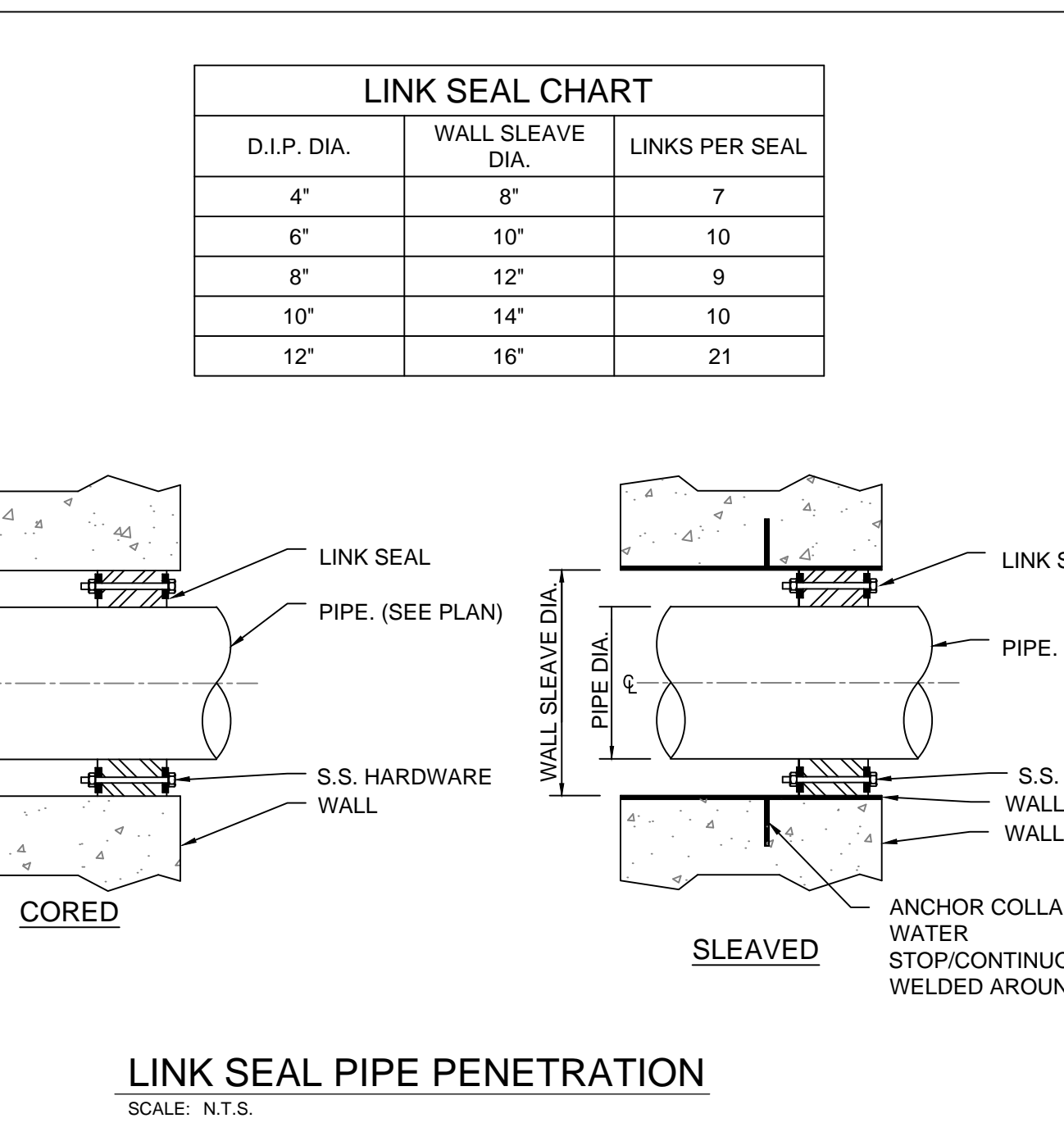
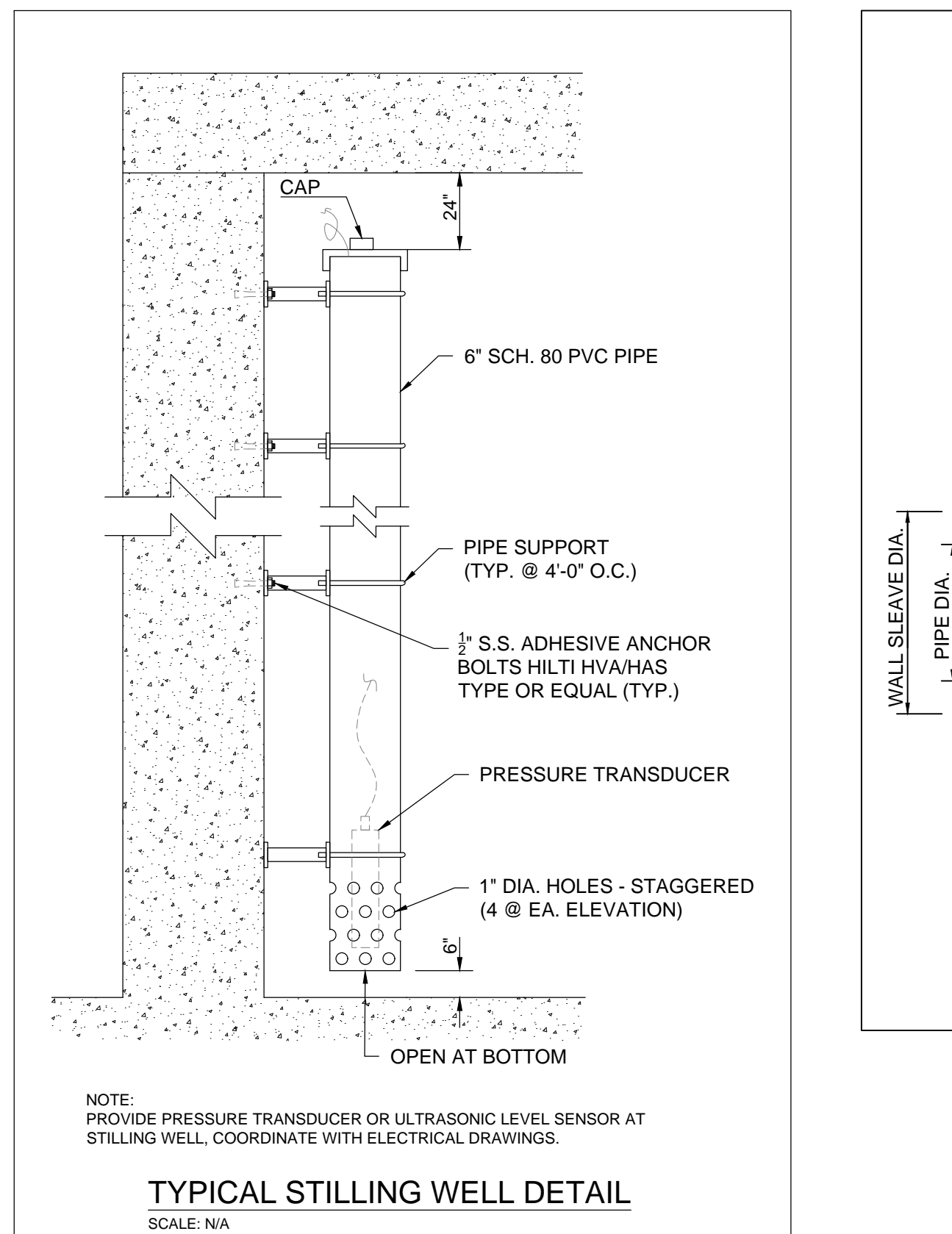
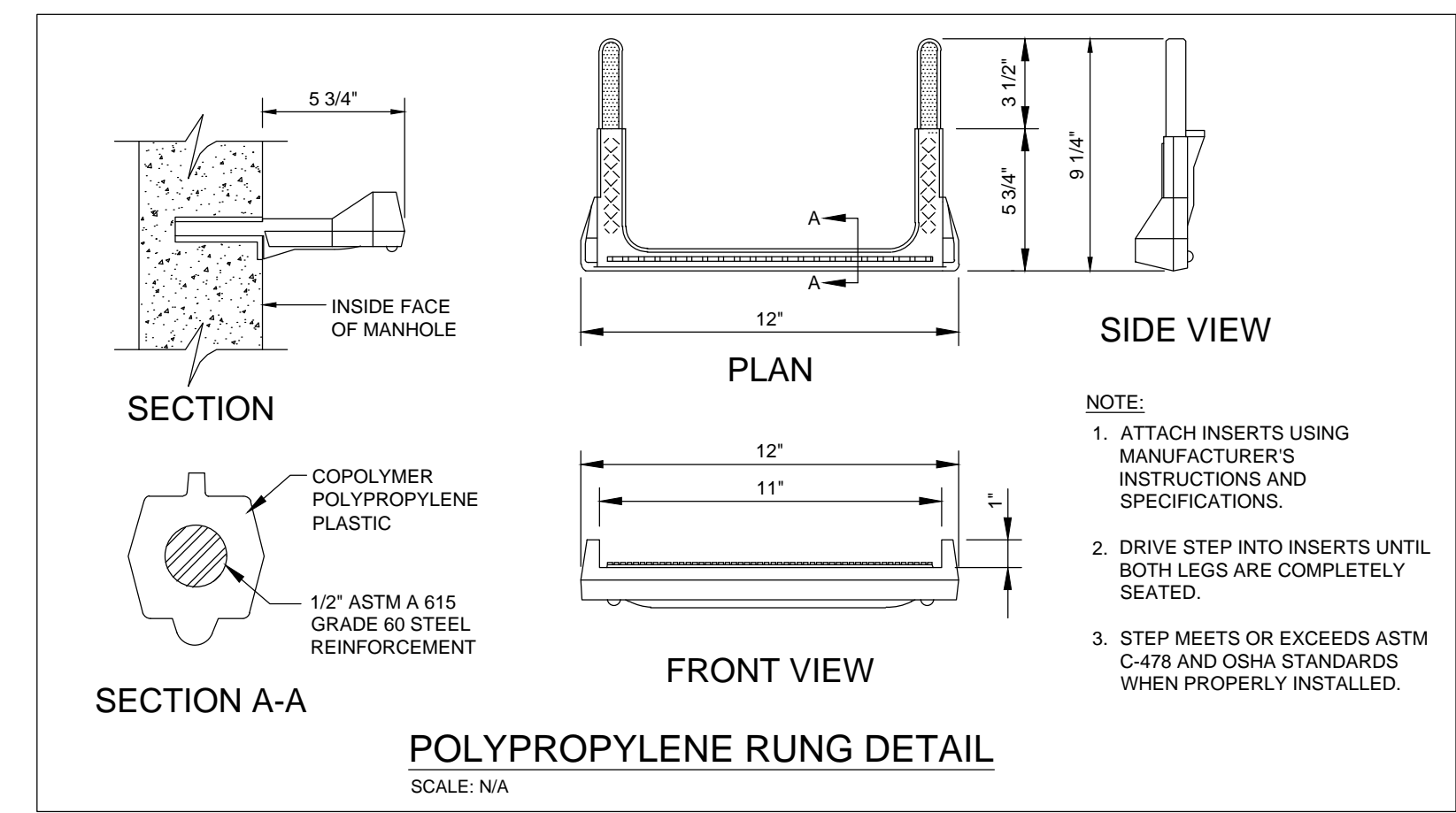
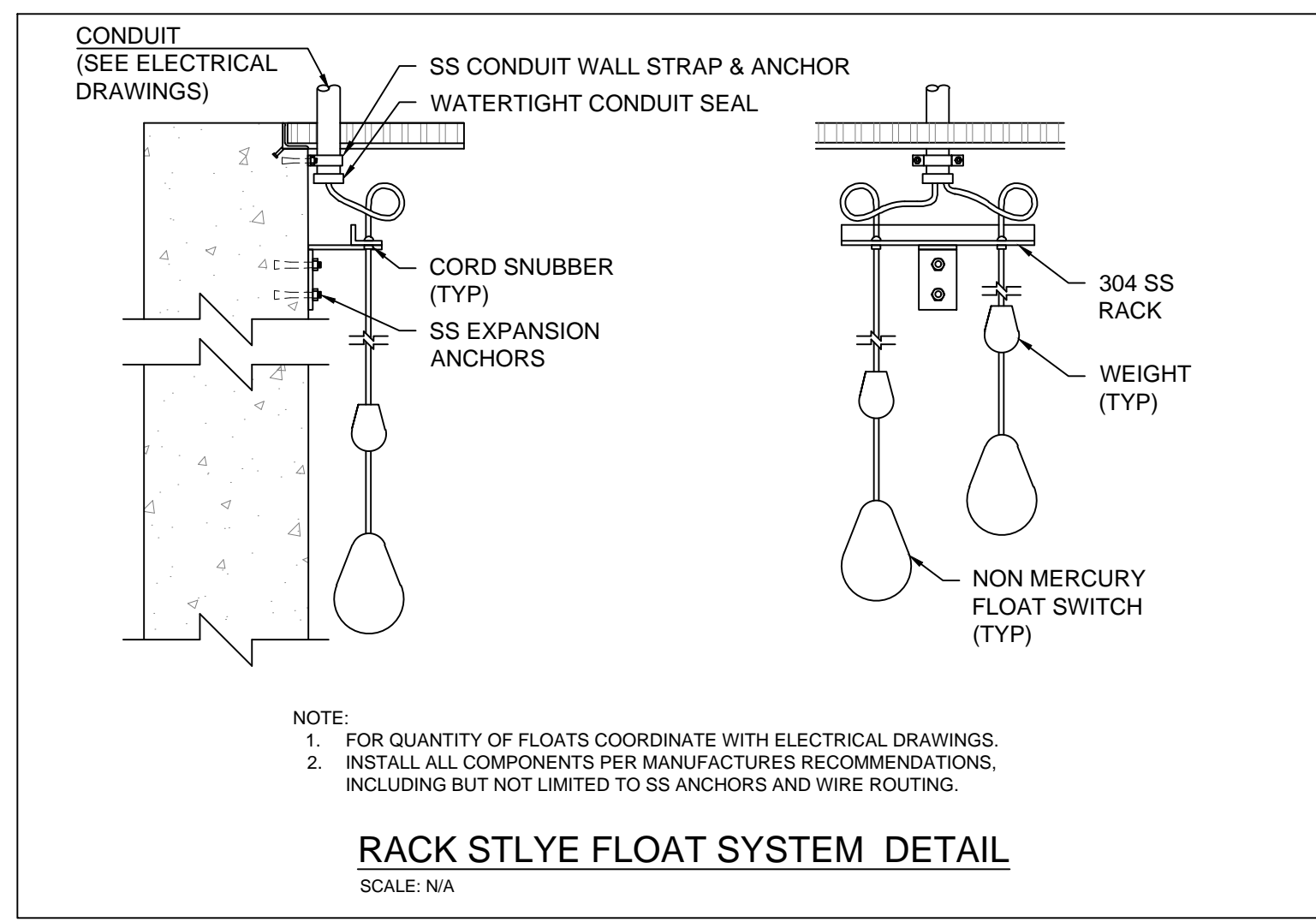
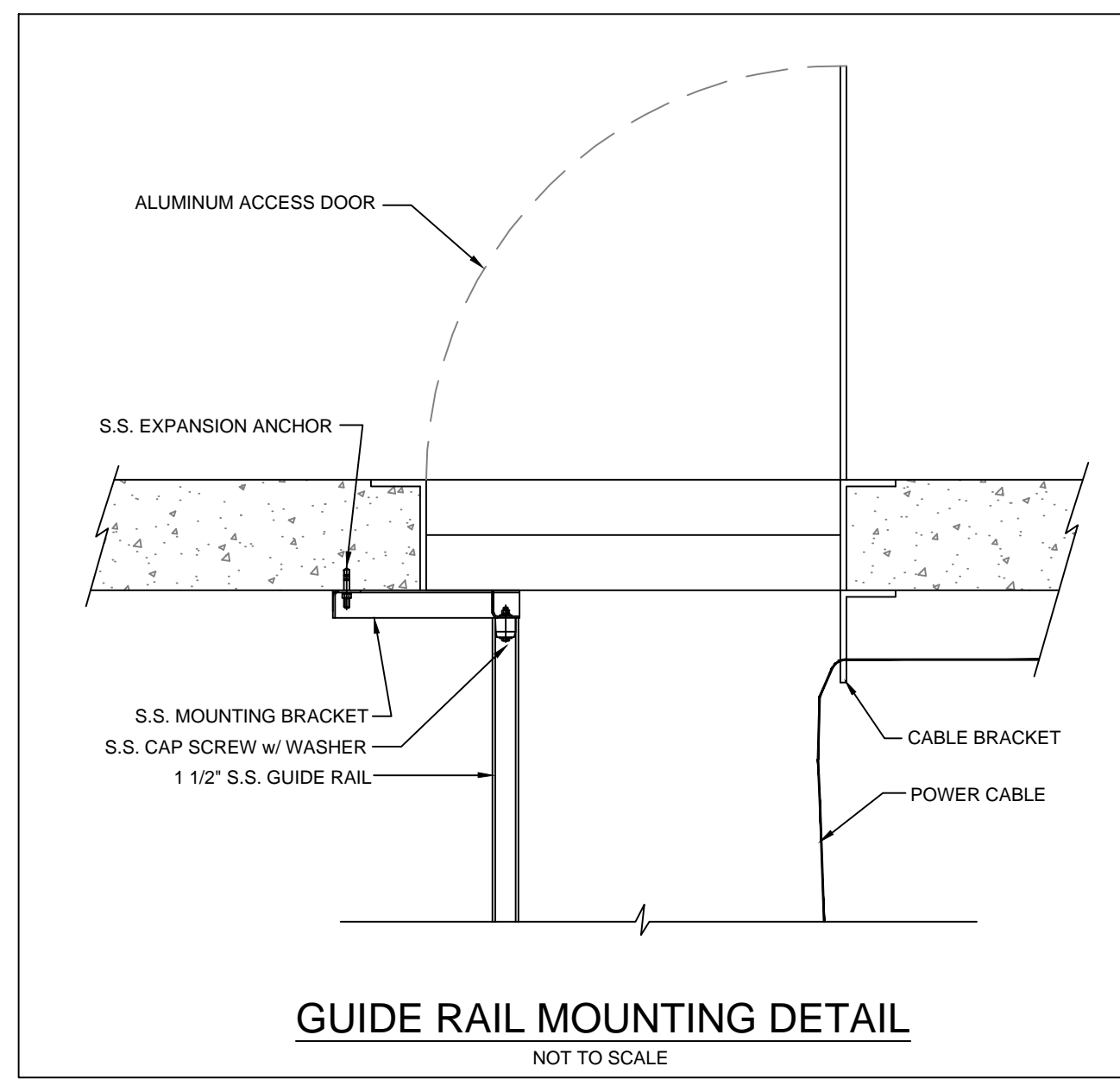
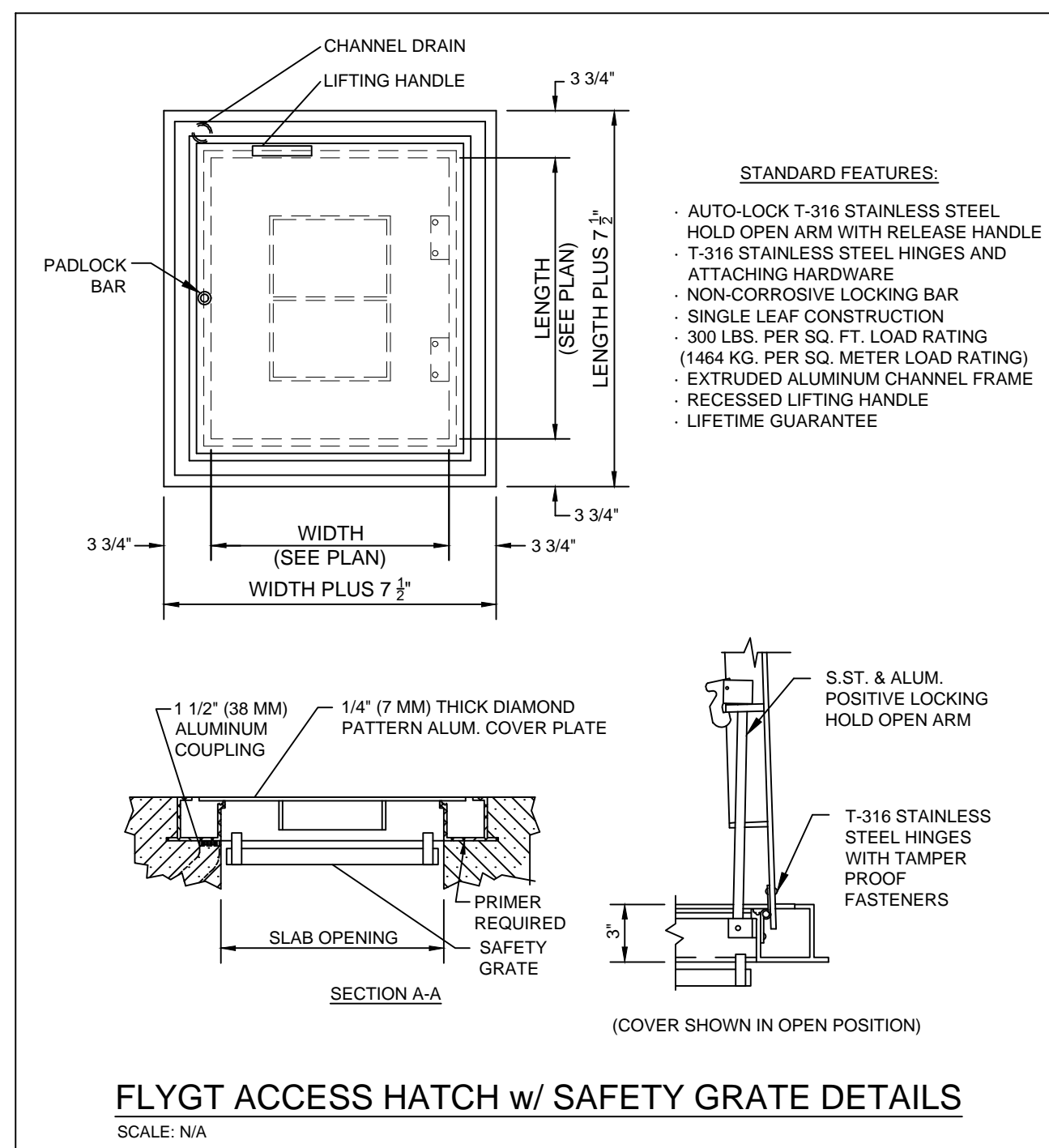
PUMP STATION PLAN & ELEVATION VIEWS
CITY OF MILFORD
CORPORATE CENTER PUMPING STATION
MILFORD KENT COUNTY DELAWARE

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I AM A
FULLY LICENSED PROFESSIONAL ENGINEER UNDER
THE LAWS OF THE STATE OF DELAWARE.
LICENSE NO. 22929
EXPIRATION DATE 03-31-2024

SIGNATURE	
Drafting: T.J.G.	Check: KN
Design: KN	Check: DRS
SCALE: 3/8" = 1'-0"	
DATE: 03-07-2024	
KCI JOB #: 131903632.15	
SHEET: PS-01	

BID SET

BY: JIMMY COY PRINTED: 7/10/2024 3:32 PM LOCATION: C:\projects\131903632\131903632.dwg PLOT: 03/07/2024 11:00:00 AM



PUMP STATION DETAILS

CITY OF MILFORD

CORPORATE CENTER PUMPING STATION

MILFORD

KENT COUNTY

DELAWARE

BID SET

PS-03

OWNER/DEVELOPER: CITY OF MILFORD, 1915 W. MILFORD STREET, MILFORD, DE 19968, PH: (302) 422-6616

ENGINEERS - PLANNERS - SURVEYORS: KCI TECHNOLOGIES, INC., 1901 W. MILFORD STREET, MILFORD, DE 19968, PH: (302) 742-5899, FAX: (302) 742-7677, www.kci.com

PROFESSIONAL CERTIFICATION: PREPARED BY: [Signature] REGISTERED PROFESSIONAL ENGINEER LICENSE NO. 22929 EXPIRES: 12/31/2024

DESIGN: TJK **CHECK:** KN

DATE: 03-07-2024

KCI JOB #: 131803632.15

GENERAL ELECTRICAL NOTES:

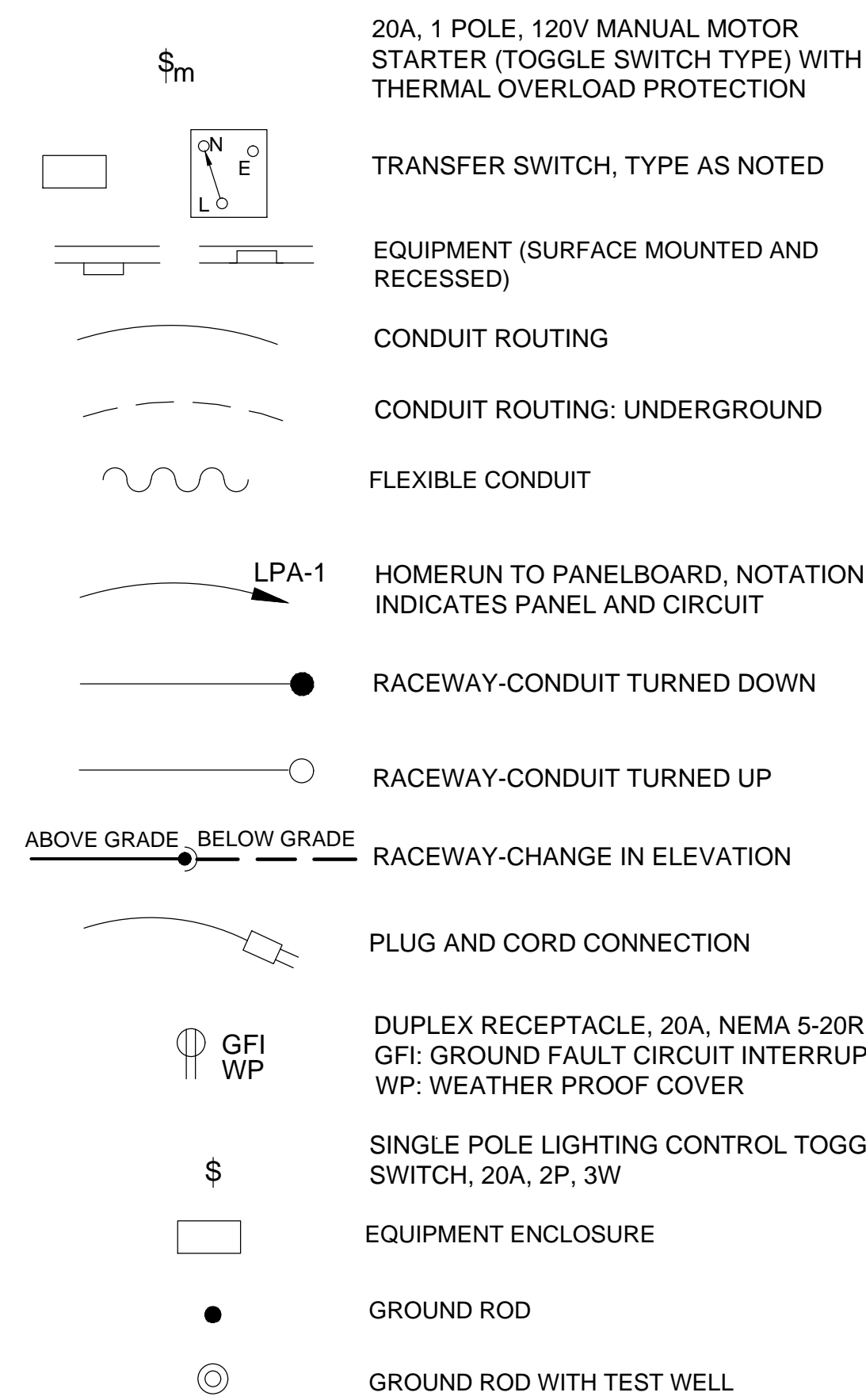
- PROVIDE MATERIALS THAT ARE NEW AND WITHOUT IMPERFECTIONS OR BLEMISHES, AND PROTECTED FROM THE ELEMENTS PRIOR TO CONSTRUCTION.
- COMPLY WITH OWNER'S USE OF PREMISES AND SAFETY REGULATIONS.
- COORDINATE LOCATIONS OF ALL ELECTRICAL EQUIPMENT AND ROUTINGS OF ALL ELECTRICAL FEEDERS (AND ASSOCIATED PULLBOXES) AND BRANCH CIRCUITS WITH ALL OTHER UTILITIES (EXISTING AND NEW), WITH STRUCTURE, AND WITH BUILDING ELEMENTS.
- UNLESS NOTED OTHERWISE, EVERY CONDUIT CONTAINING 120V RATED WIRING AND GREATER, SHALL CONTAIN A SEPARATE INSULATED GROUND WIRE RATED FOR 600V.
- PROVIDE SEPARATE UNSHARED NEUTRAL CONDUCTOR(S) FOR ALL BRANCH CIRCUITS UTILIZING A NEUTRAL (I.E. 120V, 277V, ETC). PROVIDE SEPARATE UNSHARED NEUTRAL CONDUCTOR(S) FOR ALL FEEDERS REQUIRING A NEUTRAL (I.E. 1 PHASE-3 WIRE, 3 PHASE-4 WIRE FEEDERS). SHARING OF NEUTRAL CONDUCTORS BETWEEN ANY CIRCUIT (BRANCH OR FEEDER) IS NOT PERMITTED. MULTI-WIRE BRANCH CIRCUITS ARE NOT PERMITTED.
- PROVIDE STRUCTURAL SUPPORTS AS REQUIRED FOR CEILING AND WALL MOUNTED EQUIPMENT.
- PROVIDE ALL CUTTING, PATCHING, AND ACCESS PANELS REQUIRED FOR ELECTRICAL WORK. REPAIR AND REFINISH DISTURBED FINISH MATERIALS AND OTHER SURFACES TO MATCH ADJACENT UNDISTURBED SURFACES.
- ALL WORK AND EQUIPMENT SHALL COMPLY WITH ALL AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL MECHANICAL CODE, THE LOCAL FIRE MARSHALL, UNDERWRITERS LABORATORY (UL), AND THE NATIONAL ELECTRICAL CODE (NEC). MODIFICATIONS REQUIRED BY THE ABOVE SAID AUTHORITIES TO BRING THE SPACE UNDER CONTRACT UP TO CODE SHALL BE MADE WITHOUT ADDITIONAL CHARGE WHERE CONTRACT DOCUMENT REQUIREMENTS ARE IN EXCESS OF CODE REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN. DEVIATIONS FROM THE CONTRACT DOCUMENTS REQUIRED BY THE ABOVE AUTHORITIES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
- CONTRACTOR SHALL VERIFY ALL POINTS OF CONNECTION BEFORE COMMENCING WORK. CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS, DEBRIS, AND RUBBISH FROM THE SITE AND LEGALLY DISPOSE OF IT.
- A SET OF ELECTRICAL RECORD/COORDINATION DRAWINGS SHALL BE MAINTAINED AT THE JOB SITE. ACTUAL LOCATIONS OF ALL EQUIPMENT, CONDUIT, ETC., AND ALL DEVIATIONS OF THE WORK FROM THAT SHOWN ON THE CONTRACT DOCUMENTS SHALL BE MARKED ON THE RECORD/COORDINATION DRAWINGS. EACH TRADE SHALL REVIEW THE COORDINATION DRAWINGS AND RESOLVE ANY POTENTIAL CONFLICTS WITH OTHER TRADES PRIOR TO INSTALLING ANY PORTION OF THERE WORK.
- WORK SHALL BE EXECUTED IN A GOOD WORKMANLIKE MANNER USING MECHANICS SKILLED IN THEIR RESPECTIVE TRADES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES FOR ALL COORDINATION OF WORK UNDER THIS CONTRACT. MAINTAIN THE CONSTRUCTION PREMISES IN A NEAT AND ORDERLY CONDITION AT THE END OF EACH WORKING DAY.
- CONTRACTOR SHALL MAKE ALL FINAL EQUIPMENT CONNECTIONS AND PROVIDE THE NECESSARY DEVICES, ETC. FOR A COMPLETE AND OPERABLE SYSTEM.
- ARRANGE CONDUIT, WIRING, EQUIPMENT AND OTHER WORK GENERALLY AS SHOWN, PROVIDING PROPER CLEARANCE AND ACCESS. CAREFULLY EXAMINE ALL CONTRACT DRAWINGS AND COORDINATE THE WORK WITH ALL TRADES. WHERE DEPARTURES ARE PROPOSED BECAUSE OF FIELD CONDITIONS OR OTHER CAUSES, PREPARE AND SUBMIT DETAILED DRAWINGS FOR ACCEPTANCE.
- THE CONTRACT DRAWINGS ARE DIAGRAMMATIC. ALL OFFSETS, BENDS, FITTINGS AND ACCESSORIES ARE NOT NECESSARILY SHOWN. PROVIDE ALL SUCH ITEMS AS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, PLAN REVIEWS AND CERTIFICATES OF INSPECTION REQUIRED BY THE AUTHORITIES HAVING JURISDICTION OVER THIS WORK.
- COST INCURRED FROM DAMAGES AS A RESULT OF THE CONTRACTOR'S WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. DAMAGES WILL NOT WARRANT COST OR DELAY CLAIMS.
- CONTRACTOR SHALL COMPLY WITH LOCAL AND APPLICABLE CODES. IN THE EVENT OF A CONFLICT, THE MOST STRINGENT SHALL GOVERN. SHOULD A CONFLICT ARISE BETWEEN CONSTRUCTION DOCUMENTS AND APPLICABLE CODES, WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ENFORCING CODE AUTHORITIES.
- WHERE EVER POSSIBLE, THE CONTRACTOR SHALL OBTAIN ACTUAL ROUGH-IN DRAWINGS FOR THE ACTUAL ITEM OF EQUIPMENT TO BE INSTALLED PRIOR TO ROUGH-IN. THIS SHALL APPLY TO ALL EQUIPMENT, WHETHER IT IS TO BE INSTALLED BY THE CONTRACTOR OR BY OTHERS.
- ANY EXISTING ELECTRICAL WORK SHOWN ON THESE DRAWINGS IS INDICATED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE OWNER AND ENGINEER IN NO WAY WARRANT OR GUARANTEE EITHER THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. FINAL LOCATIONS AND QUANTITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR TO THEIR OWN SATISFACTION.
- THE CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. ROUTINGS SHOWN ON DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL VERIFY THAT INTERFERENCES WILL NOT BE ENCOUNTERED. IF ANY DISCREPANCY IS DETECTED, THE CONTRACTOR SHALL BRING IT TO THE OWNER'S ATTENTION WITH RECOMMENDATIONS FOR OWNER'S APPROVAL.
- PROVIDE 60-INCHES SLACK WIRE AT EACH OF ALL SPARE INSTRUMENTATION WIRES.
- CONDUIT CONTAINING ANALOG SIGNALS SHALL BE LOCATED 6-INCHES (MINIMUM) AWAY FROM CONDUIT CONTAINING POWER CONDUCTORS OR DISCRETE SIGNALS.
- ALL CONDUIT SHALL BE 3/4-INCH IN SIZE UNLESS OTHERWISE NOTED ON RISER DIAGRAMS.
- SYSTEM INTEGRATOR SHALL VERIFY ALL APPROVED EQUIPMENT AND TERMINATIONS PRIOR TO INSTALLATION. THE SYSTEM INTEGRATOR SHALL VERIFY ALL WIRE COUNTS AND INCLUDE SPARES AS SHOWN HERE IN AND ASSEMBLE INSTRUMENT RISERS FOR CONSTRUCTION. THE RISERS SHALL BE SUBMITTED FOR APPROVAL AS A SHOP DRAWING.
- ALL RELAYS SHALL HAVE LED INDICATION OF STATUS.
- ALL FUSES AND BREAKERS SHALL BE SIZED IN ACCORDANCE WITH NEC.

ELECTRICAL ABBREVIATIONS

- A = AMPERE
- AF = AMPERE FRAME
- AFF = ABOVE FINISHED FLOOR
- AFG = ABOVE FINISHED GRADE
- AIC = AMPERE INTERRUPTING CAPACITY
- AT = AMPERE TRIP
- ATS = AUTOMATIC TRANSFER SWITCH
- AUTO = AUTOMATIC
- AWG = AMERICA WIRE GAUGE
- BC = BATTERY CHARGER
- C = CONDUIT
- CB = CIRCUIT BREAKER
- CPT = CONTROL POWER TRANSFORMER
- CTRL = CONTROL
- DP = DISTRIBUTION PANEL
- DWG = DRAWING(S)
- DPDT = DOUBLE POLE-DOUBLE THROW
- ECD = ELECTRICAL CONTROL DIAGRAM
- ELEC = ELECTRICAL
- ETM = ELAPSED TIME METER
- EX = EXISTING
- FLA = FULL LOAD AMPS
- FVNR = FULL VOLTAGE NON-REVERSING
- GF = GROUND FAULT INTERRUPTING
- GND,G = GROUND
- HMI = HUMAN MACHINE INTERFACE
- HP = HORSEPOWER
- I/O = INPUT/OUTPUT
- ISR = INTRINSICALLY SAFE RELAY
- JB = JUNCTION BOX
- JH = JACKET HEATER
- KMIL = THOUSAND CIRCULAR MILS
- KV = KILOVOLT
- KVA = KILOVOLT AMPERE

- KW = KILOWATT
- LBC = LOAD BANK CONNECTION BOX
- LED = LIGHT EMITTING DIODE DISPLAY
- LRA = LOCKED ROTOR AMPS
- LSIG = LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT
- MCA = MINIMUM CIRCUIT AMPACITY
- MCB = MAIN CIRCUIT BREAKER
- MTS = MANUAL TRANSFER SWITCH
- NEC = NATIONAL ELECTRICAL CODE
- NEMA = NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
- NFPA = NATIONAL FIRE PROTECTION ASSOCIATION
- P = POLE
- PB = PULL BOX
- PFFB = PROVIDED FOR FUTURE BREAKER (BUS STRUCTURE)
- PH = PHASE
- PLC = PROGRAMMABLE LOGIC CONTROLLER
- PM = PHASE MONITOR
- PRI = PRIMARY
- PSI = POUNDS PER SQUARE INCH
- RCT = RUN CYCLE TIMER
- RGS = RIGID GALVANIZED STEEL
- RTU = REMOTE TERMINAL UNIT
- SPD = SURGE PROTECTION DEVICE
- S.S. = STAINLESS STEEL
- STP = SHIELDED TWISTED PAIR
- TB = TERMINAL BLOCK
- UG = UNDERGROUND
- U.L. = UNDERWRITER'S LABORATORIES
- VA = VOLTAMPERES
- VAC = VOLTS / ALTERNATING CURRENT
- VDC = VOLTS / DIRECT CURRENT
- W = WIRE
- XDCR = TRANSDUCER
- XFMR = TRANSFORMER
- XMTR = TRANSMITTER

PLAN SYMBOLS



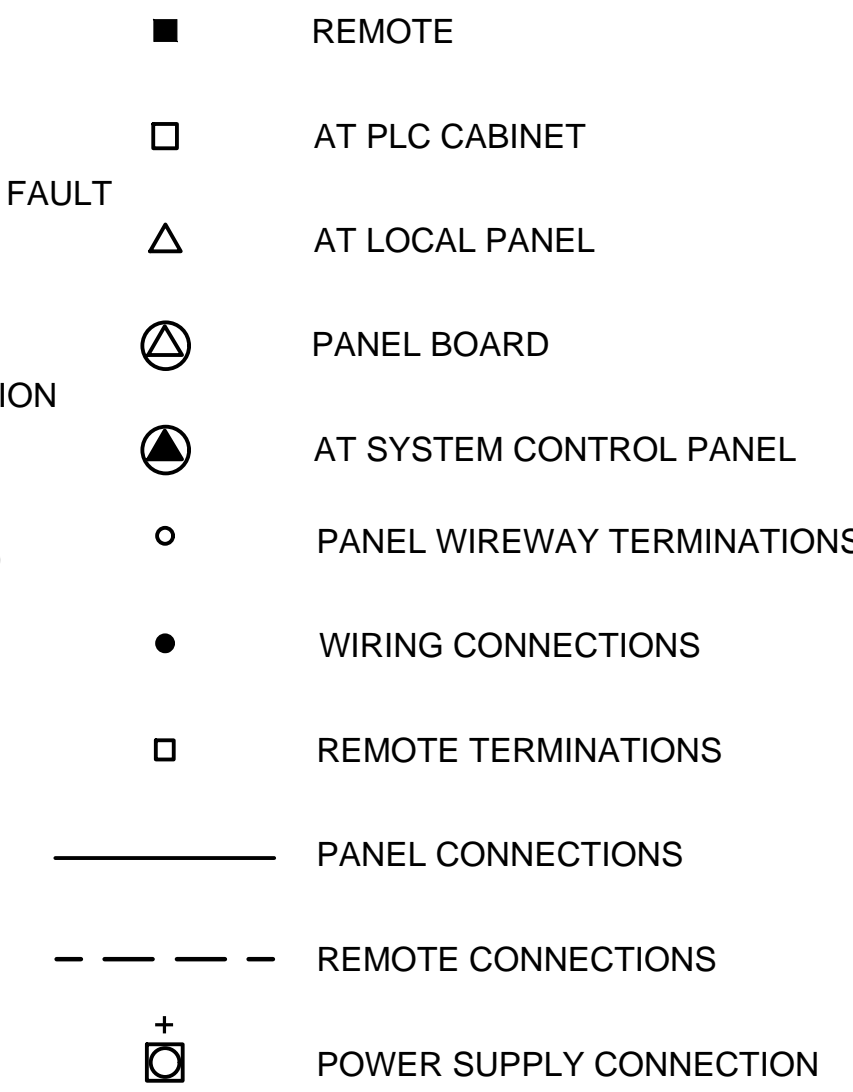
NEMA RATING OF ENCLOSURES

NEMA ENCLOSURE TYPES FOR MISCELLANEOUS ELECTRICAL BOXES, PANELS, DISCONNECT SWITCHES AND ALL OTHER ELECTRICAL EQUIPMENT ENCLOSURES NOT SPECIFICALLY INDICATED SHALL BE RATED IN ACCORDANCE WITH THE FOLLOWING:

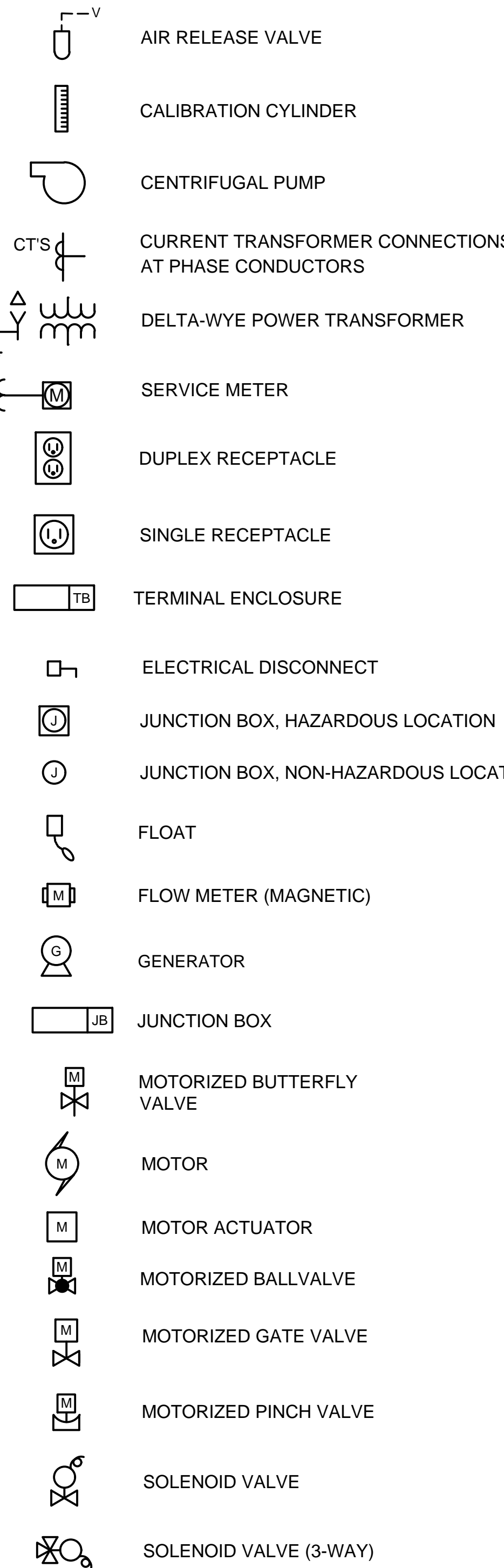
- EXTERIOR APPLICATIONS: NEMA 4X STAINLESS STEEL
- INTERIOR APPLICATIONS: NEMA 12 (UNLESS NOTED OTHERWISE)
- VALVE VAULT APPLICATIONS: NEMA 4X STAINLESS STEEL
- WET WELL APPLICATIONS: NEMA 7

NOTE:
THIS IS A STANDARD LEGEND AND ABBREVIATIONS SHEET. NOT ALL THE INFORMATION SHOWN ON THIS LEGEND IS USED ON THIS PROJECT.

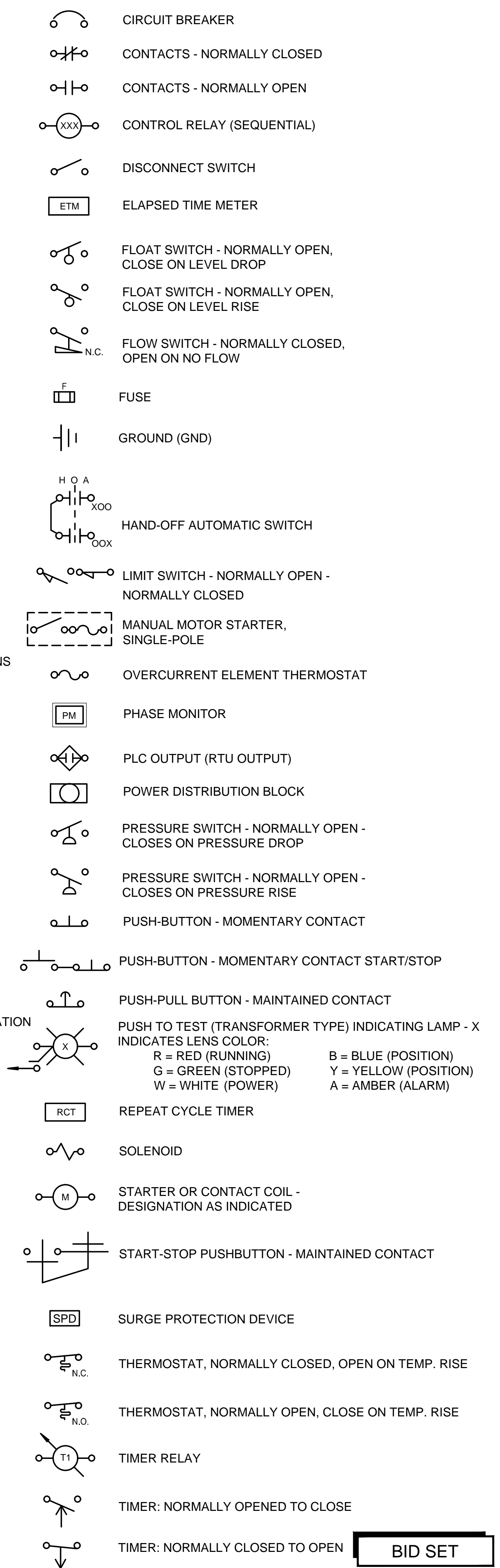
ELECTRICAL CONTROL DIAGRAM LEGEND (ECD):



EQUIPMENT SYMBOLS



ELECTRICAL CONTROL DIAGRAM SYMBOLS (ECD)



BID SET

BID SET PRINTED: 1/10/2024 3:32 PM

REVISIONS PER KENT COUNTY COMMENTS

DATE


OWNER/DEVELOPER:

CITY OF MILFORD
1915 MILLIKEN STREET
MILFORD, DE 19967
PH: (302) 422-6616

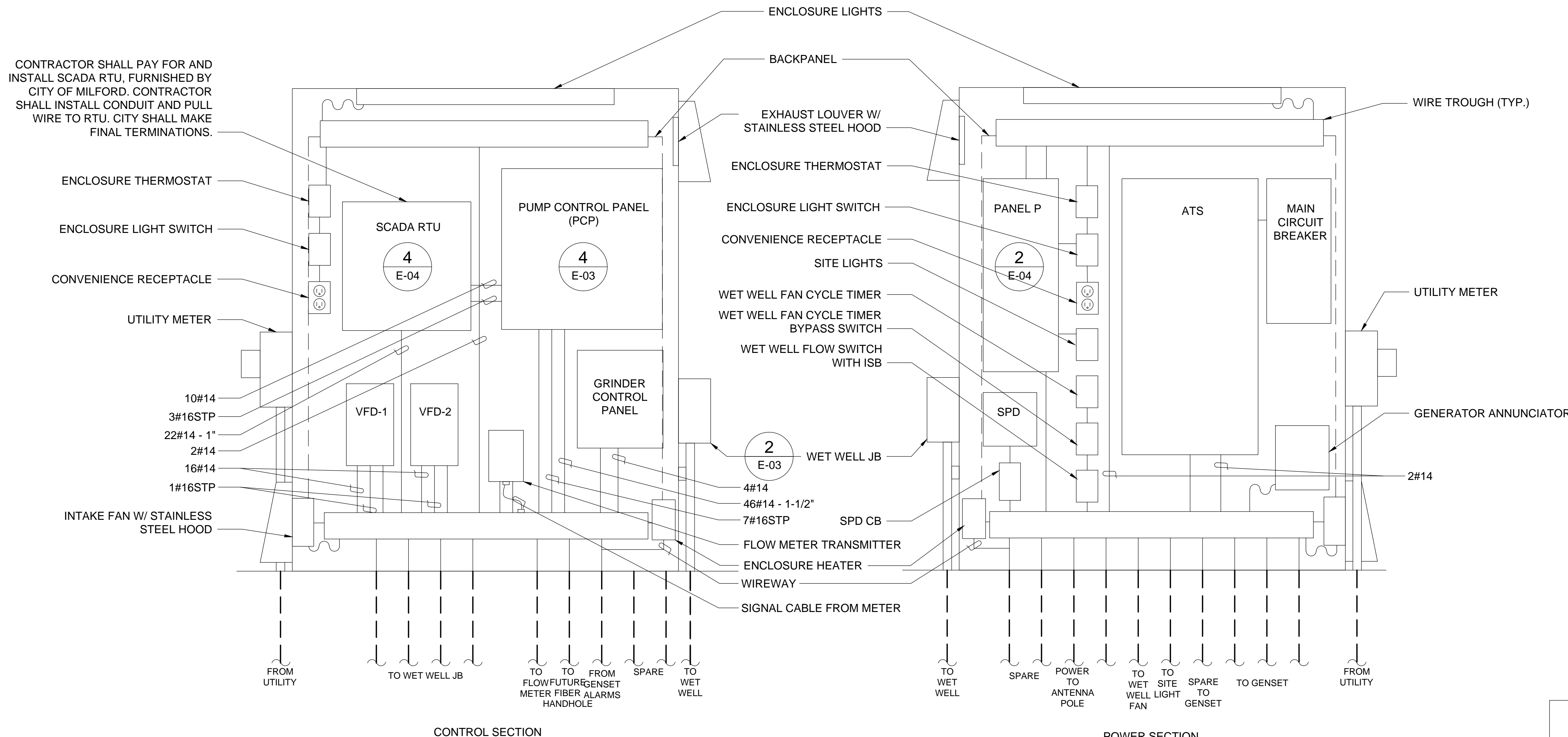
KCI TECHNOLOGIES, INC.
ENGINEERS - PLANNERS - SURVEYORS
ARCHITECTS - INTERIORS
PHONE: (802) 742-5888 FAX: (802) 742-7807 Website: www.kci.com

ELECTRICAL GENERAL NOTES
CITY OF MILFORD
CORPORATE CENTER PUMPING STATION
MILFORD, KENT COUNTY, DELAWARE

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF DELAWARE.
LICENSE NO. 131803632
EXPIRATION DATE: 06-30-26

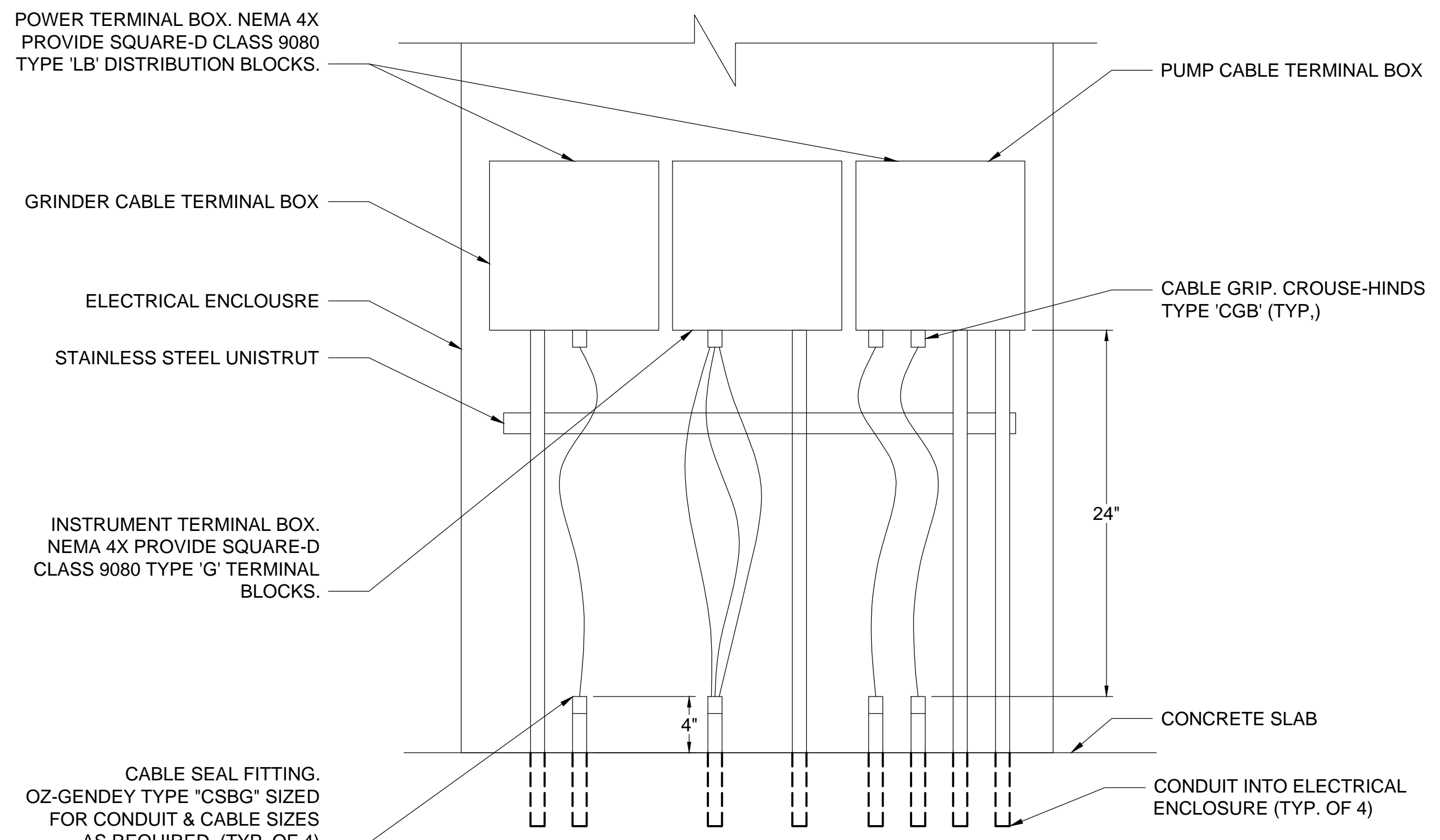
SIGNATURE: 

Drafting:	MD	Check:	SR
Design:	MD	Check:	SR
SCALE:	N/A		
DATE:	03-07-2024		
KCI JOB #:	131803632.15		
SHEET:	E-01		

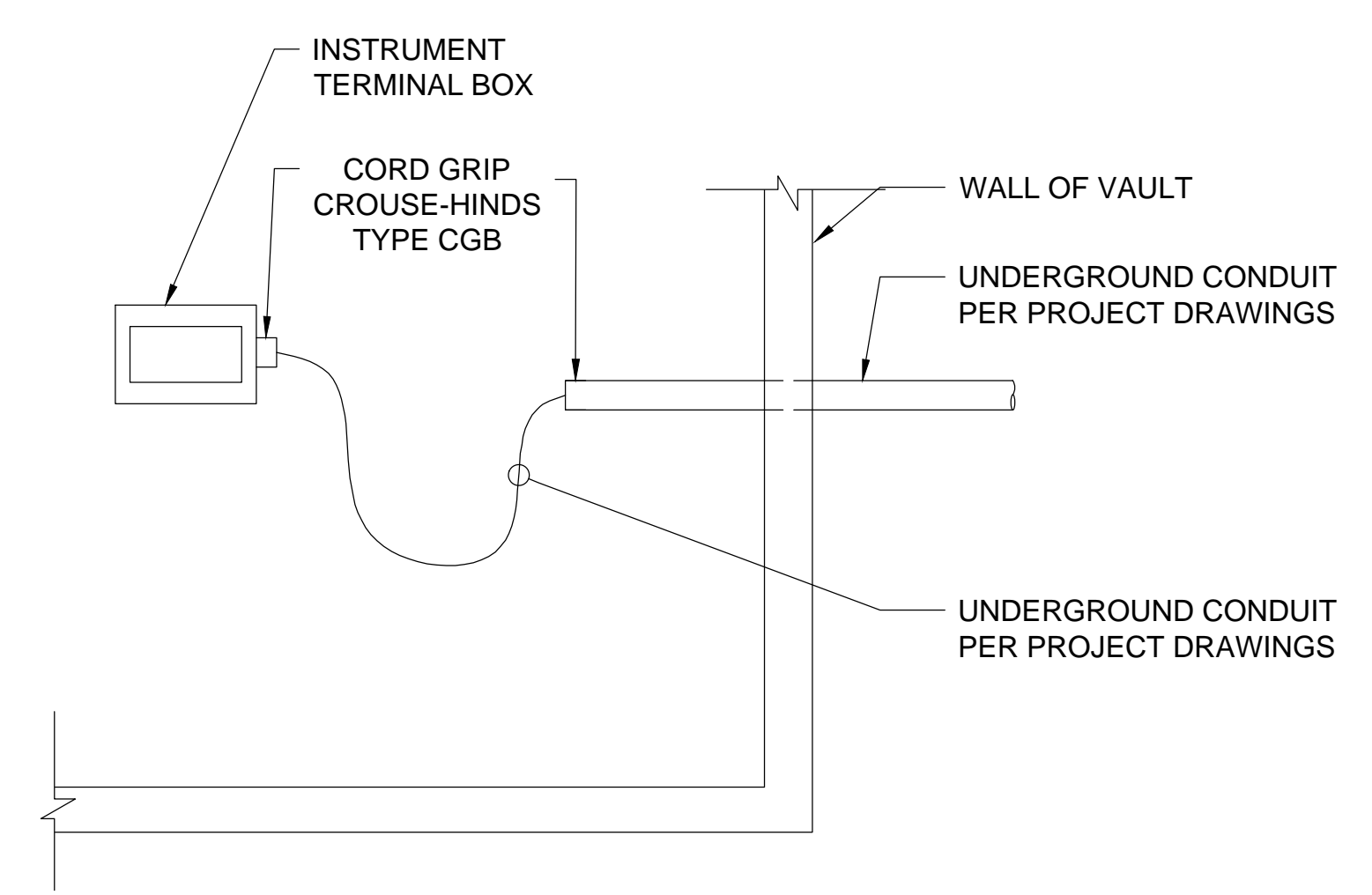


GENERAL SHEET NOTES:
1. SEE PLAN VIEWS FOR EQUIPMENT LOCATIONS.

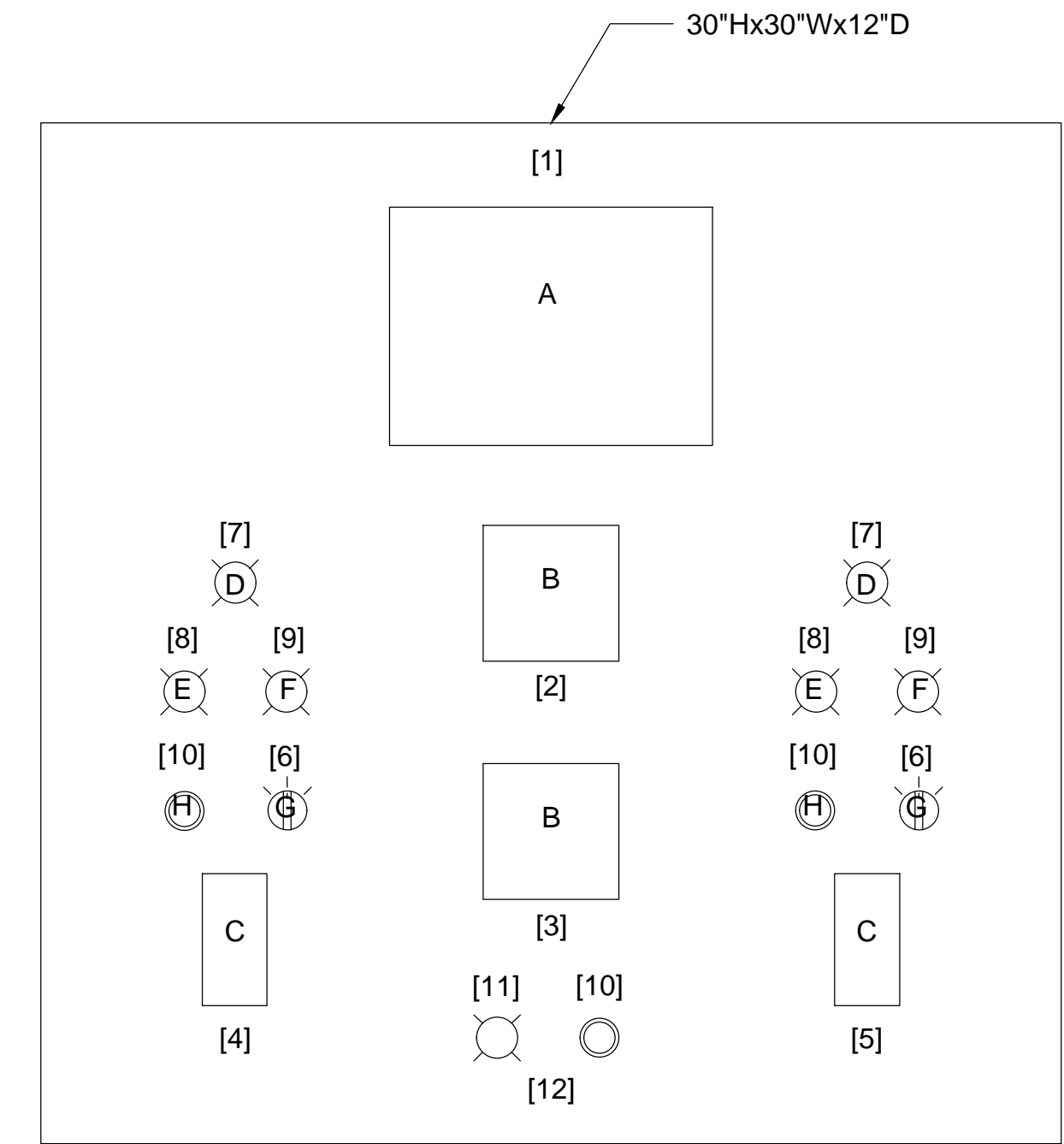
1 ELECTRICAL CABINET ENCLOSURE ELEVATION
E-03 SCALE: NONE



2 WET WELL JUNCTION BOX DETAIL
E-03 SCALE: NONE



3 WIRING TO VALVE VAULT INSTRUMENT DETAIL
E-03 SCALE: NONE



- DEVICE LEGEND**
- A. PUMP CONTROLLER
 - B. VIDEO CHART RECORDER
 - C. PUMP LEAK / HIGH TEMP RELAY
 - D. PUSH TO TEST PILOT LIGHT - GREEN
 - E. PUSH TO TEST PILOT LIGHT - RED
 - F. PUSH TO TEST PILOT LIGHT - AMBER
 - G. 3-POSITION SELECTOR SWITCH
 - H. PUHSHBUTTON
- NAMEPLATE LEGEND**
- 1. PUMP CONTROL PANEL
 - 2. STATION FLOW
 - 3. STATION PRESSURE
 - 4. SEWAGE PUMP 1
 - 5. SEWAGE PUMP 2
 - 6. HAND-OFF-AUTO
 - 7. RUNNING
 - 8. FAULT
 - 9. AUTOMATIC
 - 10. RESET
 - 11. ENABLED
 - 12. BACKUP LEVEL

4 PUMP CONTROL PANEL ELEVATION
E-03 SCALE: NONE

DATE
REVISED PER KENT COUNTY COMMENTS
GENERAL

OWNER/DEVELOPER:
CITY OF MILFORD
1915 E. MILFORD STREET
MILFORD, DE 19963
PH: (302) 422-4616

KCI TECHNOLOGIES, INC.
ENGINEERS - PLANNERS - SURVEYORS
1000 W. MARKET STREET, SUITE 200
MILFORD, DE 19963
PHONE: (302) 742-5899 FAX: (302) 751-7807 Website: www.kci.com

ELECTRICAL DETAILS
CITY OF MILFORD
CORPORATE CENTER PUMPING STATION
MILFORD, KENT COUNTY, DELAWARE

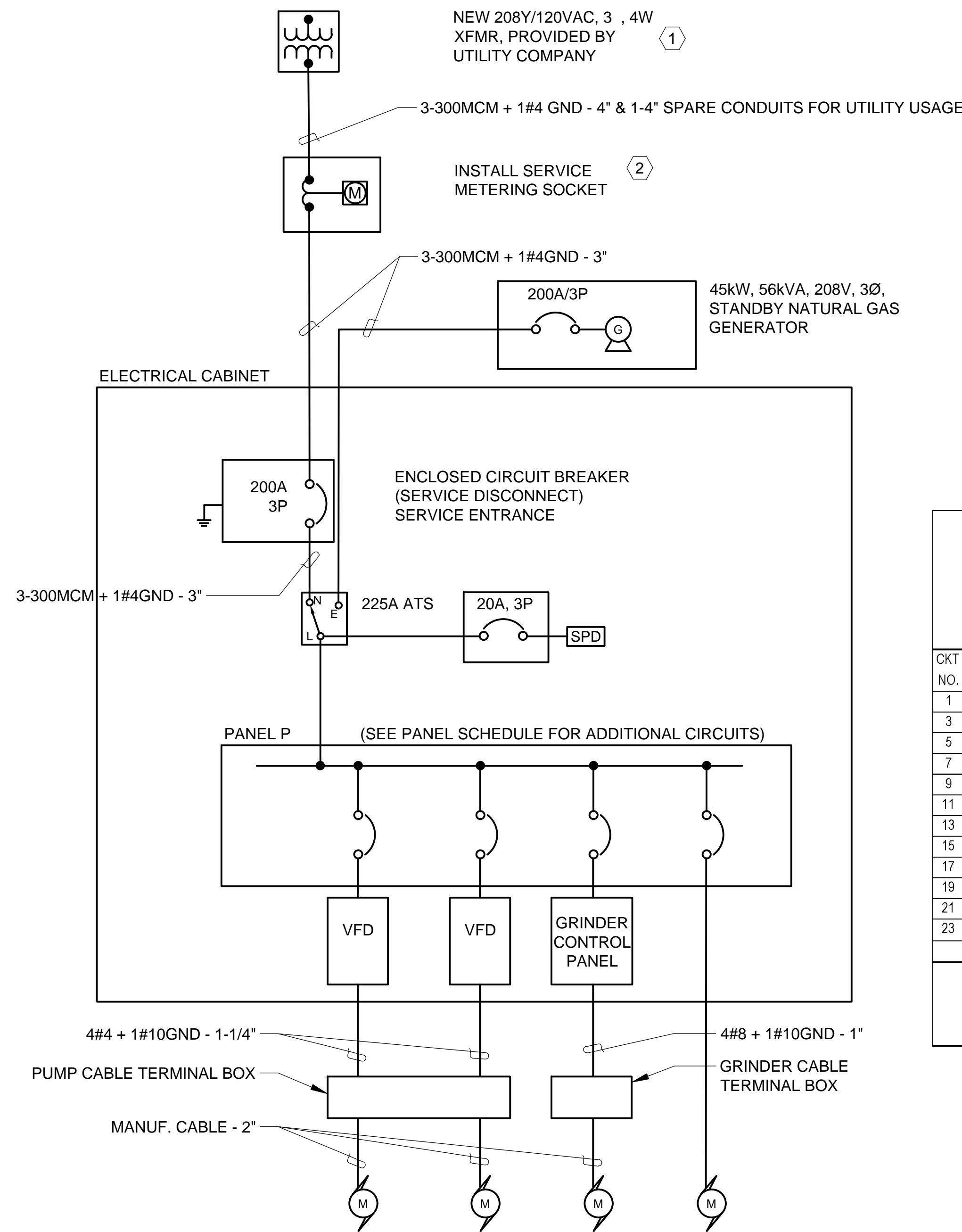
PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A duly LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF DELAWARE.
LICENSE NO. 13180363215
EXPIRATION DATE: 06-30-22

BETH D. BARKER
LICENSE
NOV 28 2021
PROFESSIONAL ENGINEER
DELAWARE

SIGNATURE:
Drafting: MD Check: SR
Design: MD Check: SR
SCALE: N/A
DATE: 03-07-2024
KCI JOB #: 13180363215
SHEET: E-03

BID SET

BCI, JUN 10, 2024, 1:30 PM
 C:\PROJECTS\13180363215\13180363215_E-03.dwg
 E:\SERIES.dwg



1 PUMPING STATION SINGLE LINE DIAGRAM
SCALE: NONE

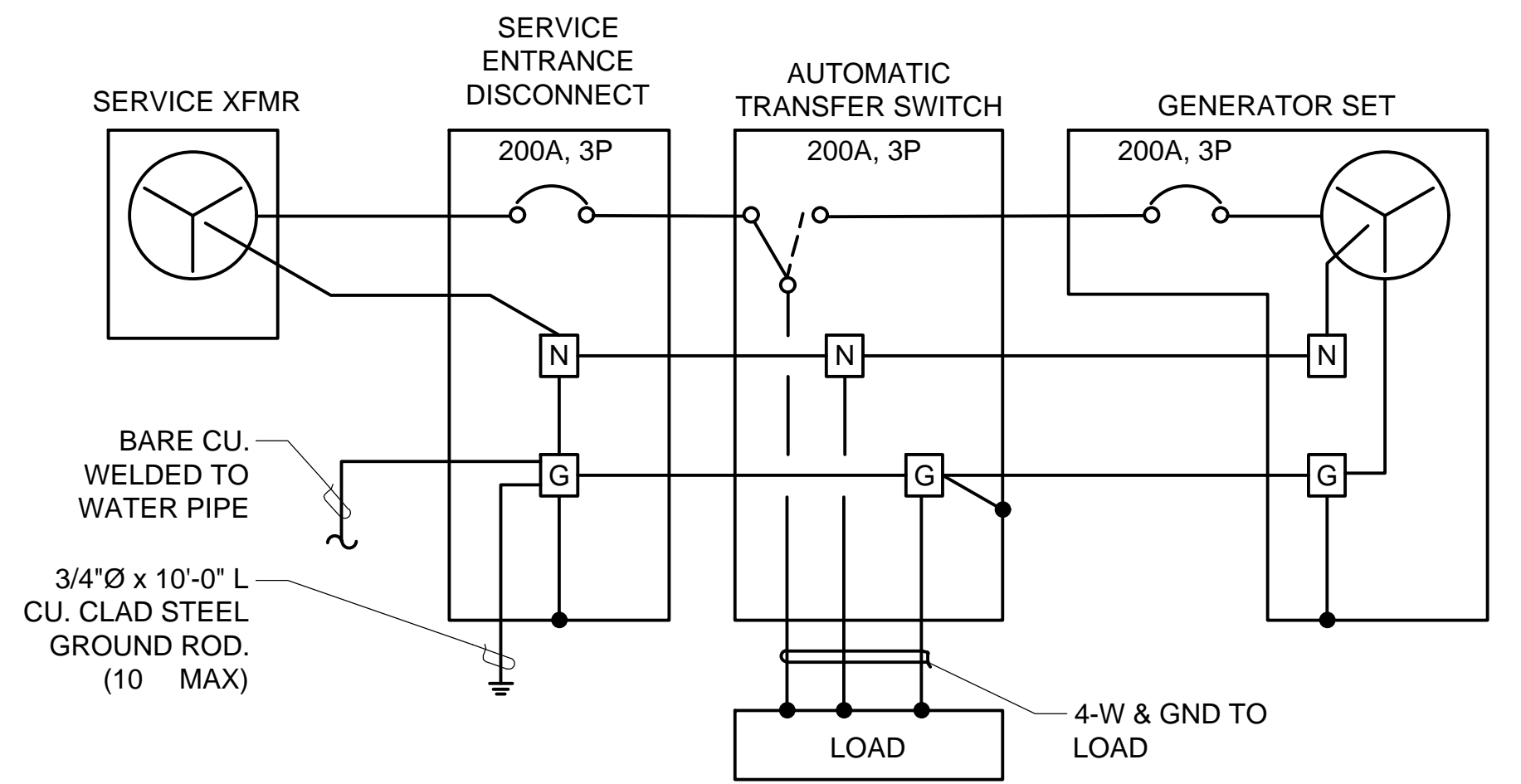
PANEL DESIGNATION: P VOLTAGE: 120/208 VOLT, 3 PHASE, 4 WIRE MIN. AIC: 10,000

MOUNTING: SURFACE BUS AMP: 225 AMP (100% NEUTRAL) TOTAL POLES: 24

LOCATION: ELECTRICAL ENCLOSURE MAIN BREAKER: MLO NOTES:

CKT NO.	DESCRIPTION	BREAKER			LOAD (KVA)			WIRE			GND.			COND.			DESCRIPTION	CKT NO.									
		A	P	GFI	A	B	C	NO.	SIZE	SIZE	SIZE	A	B	C	NO.	SIZE			SIZE	SIZE							
1	VFD-1	60	3		5.3			4	4	10	11/4				11/4	10	4	4	5.3					VFD-2	2		
3	-																									4	
5	-																									6	
7	GRINDER	40	3		2.3			4	8	10	1				3/4	12	12	2	1.0				1	20	WET WELL FAN	8	
9	-														3/4	12	12	2	2.0				1	20	GENERATOR BLOCK HEATER	10	
11	-														3/4	12	12	2			0.5		1	20	BATTERY CHARGER	12	
13	SITE LIGHTS	20	1		0.2			2	12	12	3/4				3/4	12	12	2	1.0				1	20	ENCLOSURE HVAC/LIGHTS	14	
15	PUMP CONTROL PANEL	20	1		0.2			2	12	12	3/4				3/4	12	12	2	0.5				1	20	SCADARTU	16	
17	ENCLOSURE RECEPTACLES	20	1					0.5	2	12	3/4				3/4	12	12	2			0.2		1	20	FLOWMETER	18	
19	SPARE	20	1																				3	20	SPARE	20	
21	SPARE	20	1																							22	
23	SPARE	20	1																							24	
SIDE TOTAL CONNECTED KVA					7.8	7.8	8.1							7.3	7.8	6							SIDE TOTAL CONNECTED KVA				
LOAD:		A:		15.1 KVA		B:		15.6 KVA		C:		14.1 KVA		TOTAL LOAD:		44.8 KVA											

2 PANEL SCHEDULE
SCALE: NONE



3 ELECTRICAL SERVICE/GENERATOR - NEUTRAL/GROUND DIAGRAM
SCALE: NONE

GENERATOR DESIGN CRITERIA

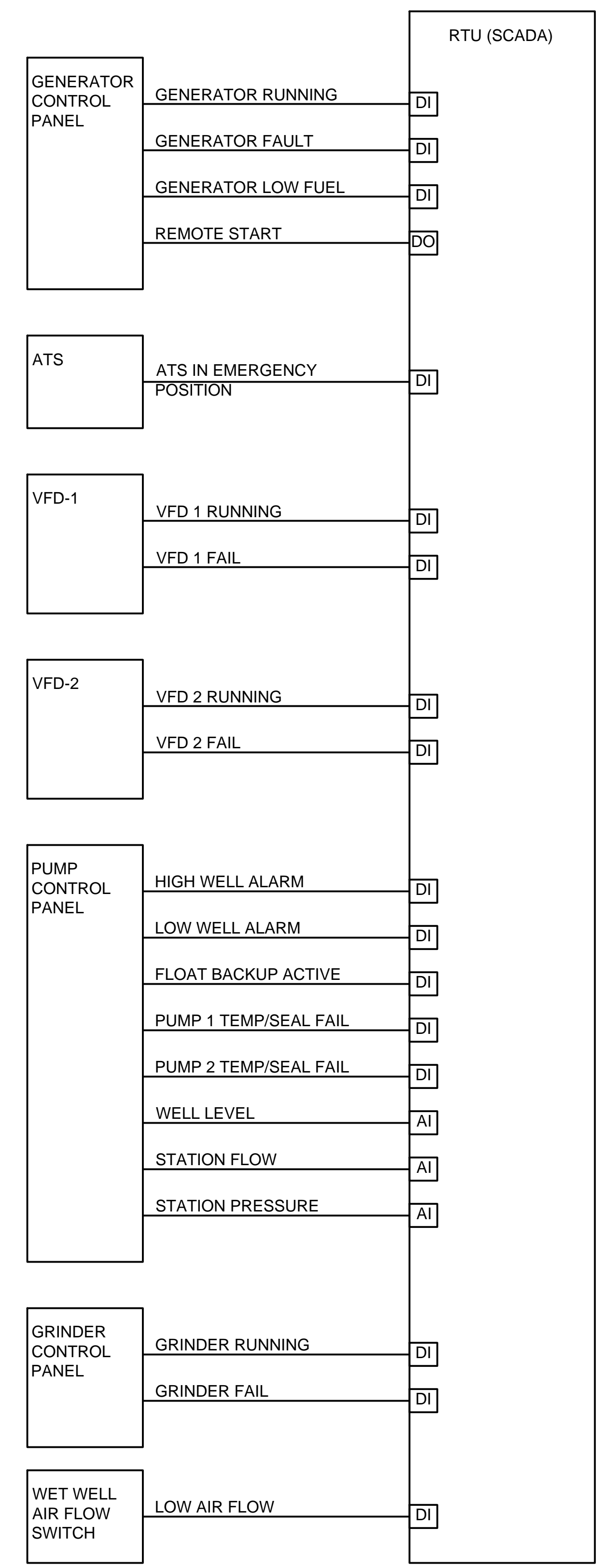
GENERATOR	CUMMINS C45 N6
ALTERNATOR	CUMMINS UC2D
CAPACITY	45 KW / 56 KVA
RATING	STANDBY
VOLTAGE	120/208 VAC, 3-PHASE, 4W
FREQUENCY	60 HZ
FLA AT STANDBY RATING	156
EMISSIONS	EPA TIER 3
RPM	1800
RUNNING KW/KVA	23.6 KW / 26.9 KVA
VOLTAGE DIP LIMIT	20.0%
FREQUENCY DIP LIMIT	7.5%
GENERATOR TYPE	NATURAL GAS
FUEL CONSUMPTION	710 SCFH (@100% LOAD)

GENERAL SHEET NOTES:

- SEE PLAN VIEWS FOR EQUIPMENT LOCATIONS.

SHEET KEY NOTES:

- CONTRACTOR IS RESPONSIBLE TO COORDINATE UTILITY INSTALLATION OF NEW ELECTRIC SERVICE AND TRANSFORMER.
- PROVIDE AND CONNECT AS REQUIRED BY UTILITY.



4 PUMPING STATION I/O DIAGRAM
SCALE: NONE

BID SET

OWNER/DEVELOPER: CITY OF MILFORD
1915 MILLIKEN STREET
MILFORD, DE 19963
PH: (302) 422-4616

ENGINEERS - PLANNERS - SURVEYORS
KCI TECHNOLOGIES, INC.
1000 W. MARKET STREET, SUITE 200
MILFORD, DE 19963
PHONE: (302) 742-5899 FAX: (302) 751-7807 Website: www.kci.com

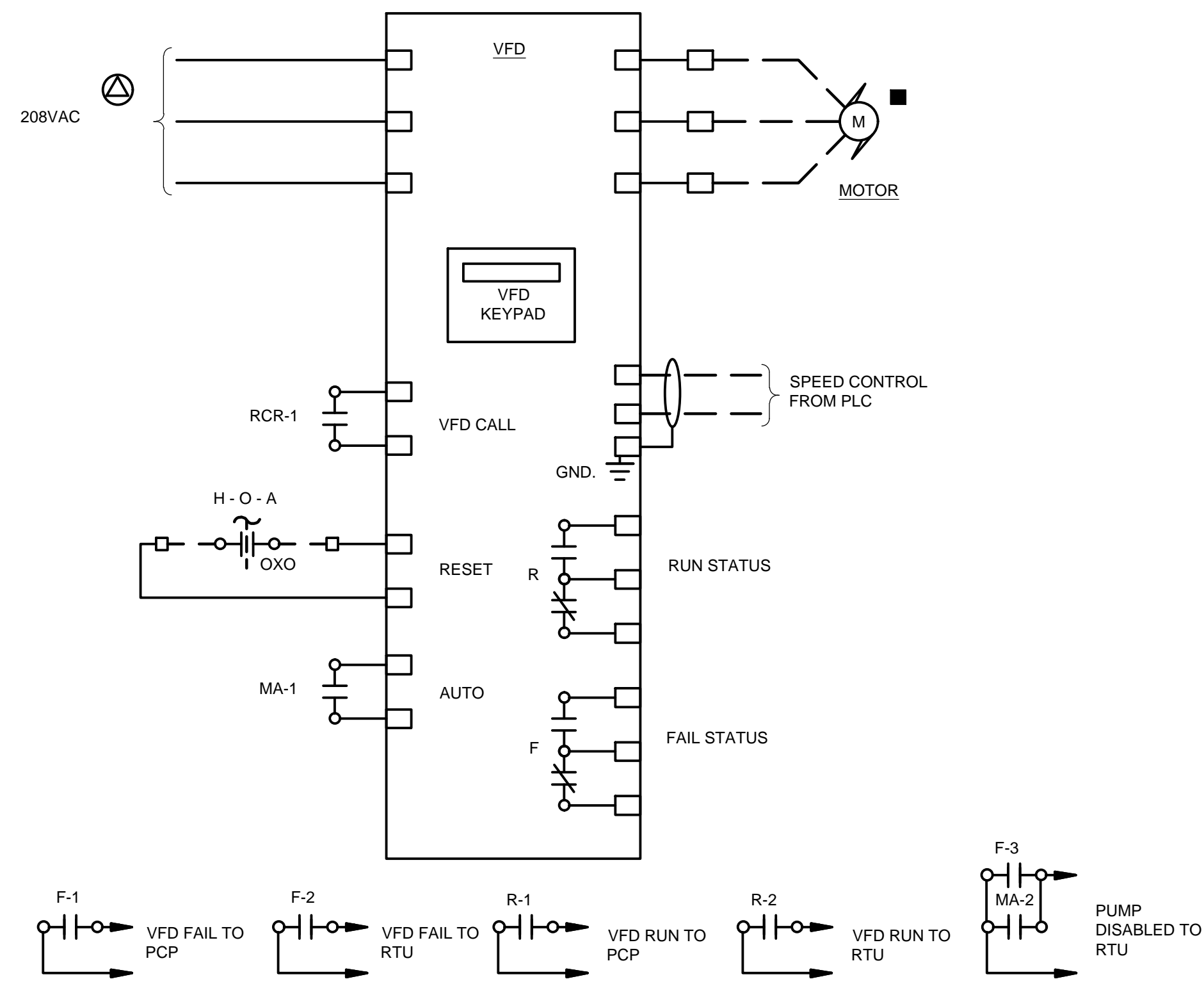
ELECTRICAL ONE-LINE
CITY OF MILFORD
CORPORATE CENTER PUMPING STATION
MILFORD, DELAWARE
KENT COUNTY

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A duly LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF DELAWARE.
LICENSE NO. 13180363215
EXPIRATION DATE: 06-30-26

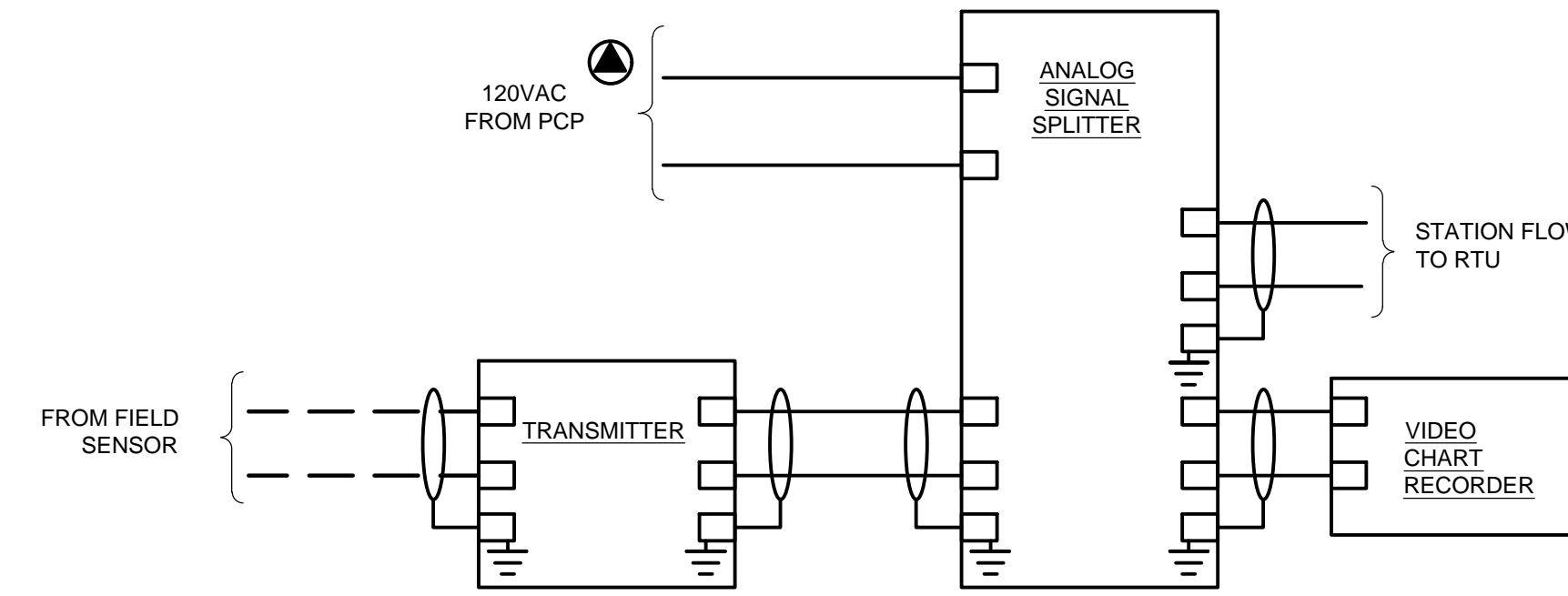
SETH D. RANKS
LICENSE
13180363215
PROFESSIONAL ENGINEER
DELAWARE

SIGNATURE:
Drafting: MD Check: SR
Design: MD Check: SR
SCALE: N/A
DATE: 03-07-2024
KCI JOB #: 13180363215
SHEET: E-04

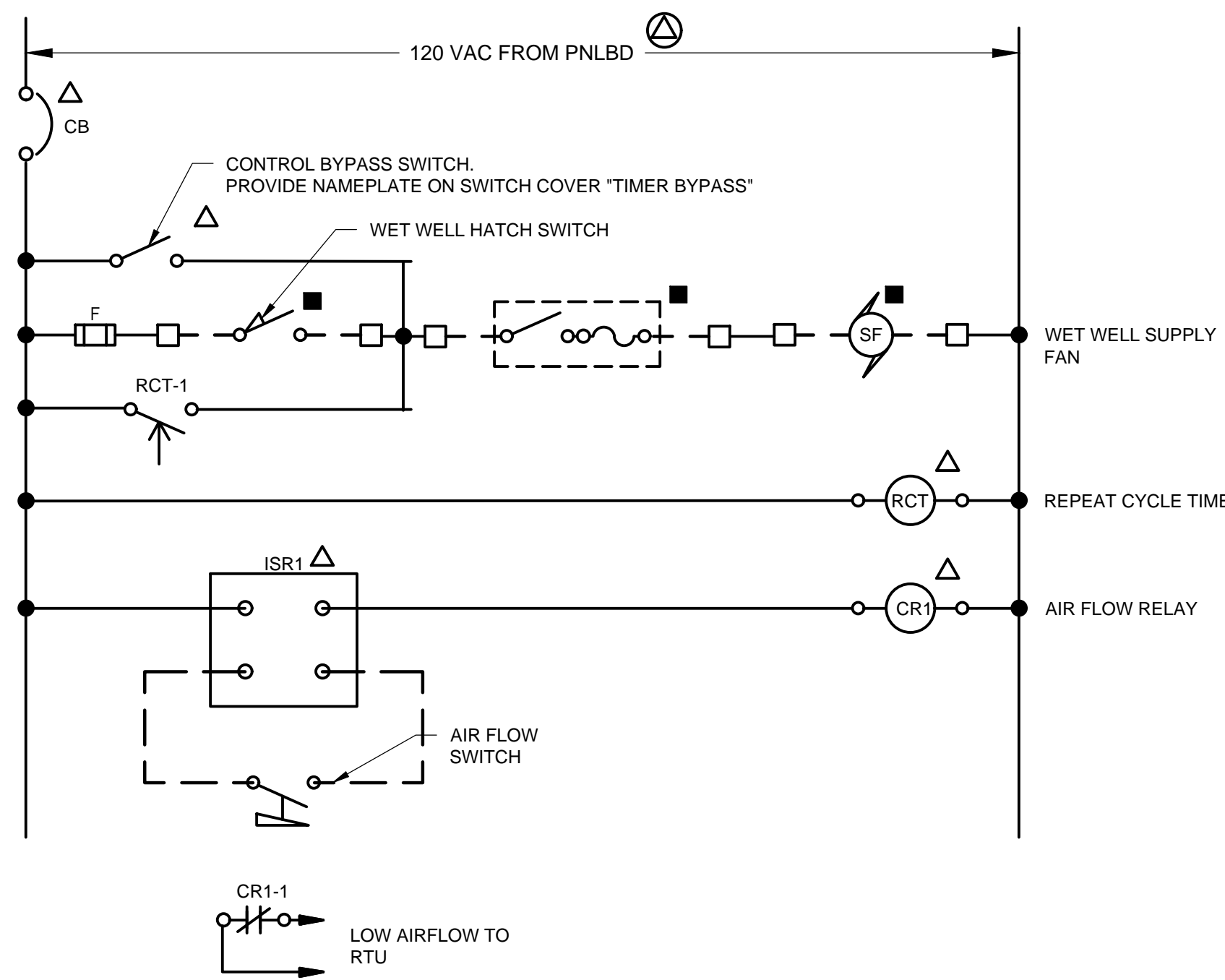
(X) SHEET KEY NOTES:
 1. ONLY ONE PUMP SHALL ACTIVATE ON GENERATOR POWER.



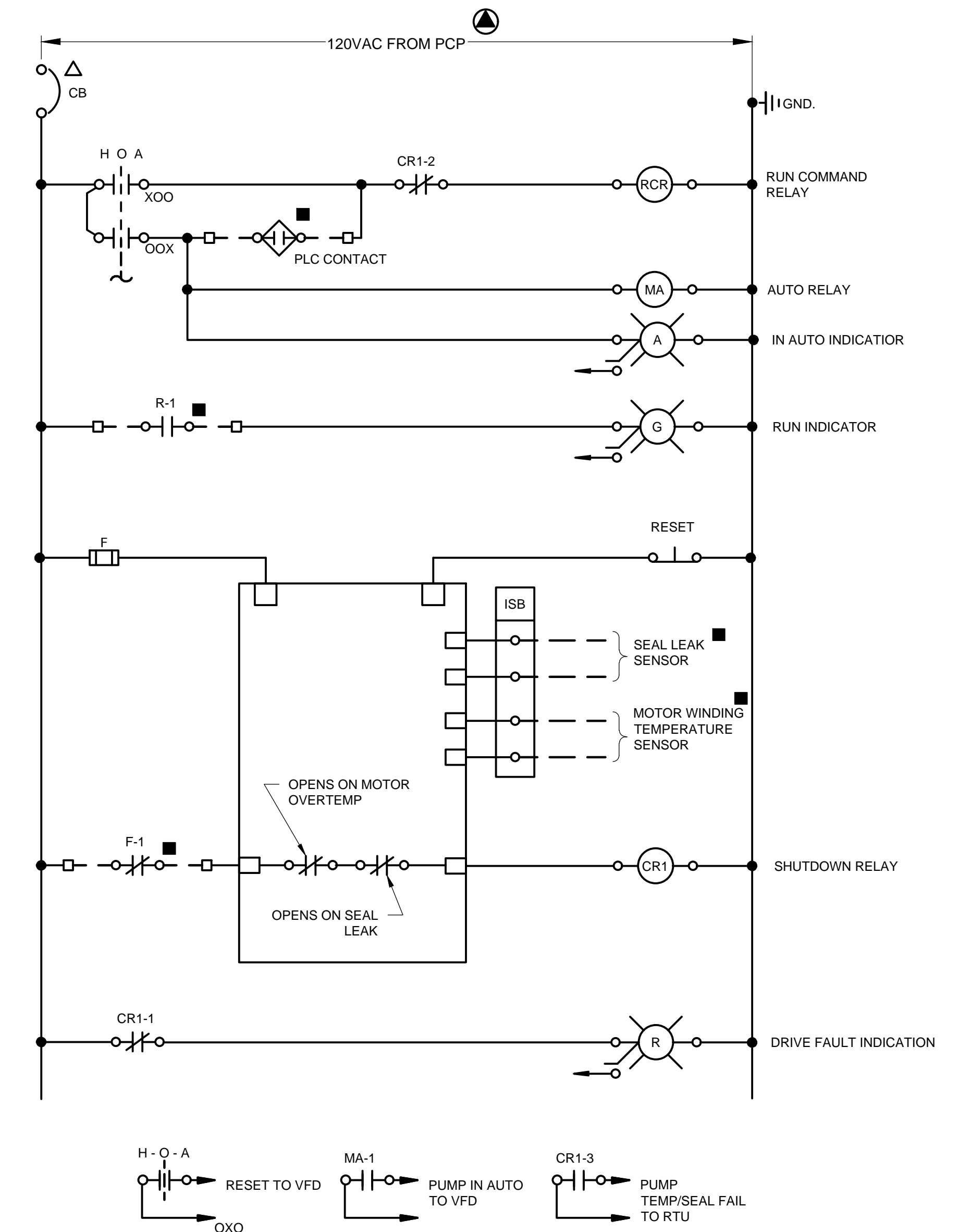
1 VFD WIRING DIAGRAM
 E-05 SCALE: NONE (TYP. OF 2)



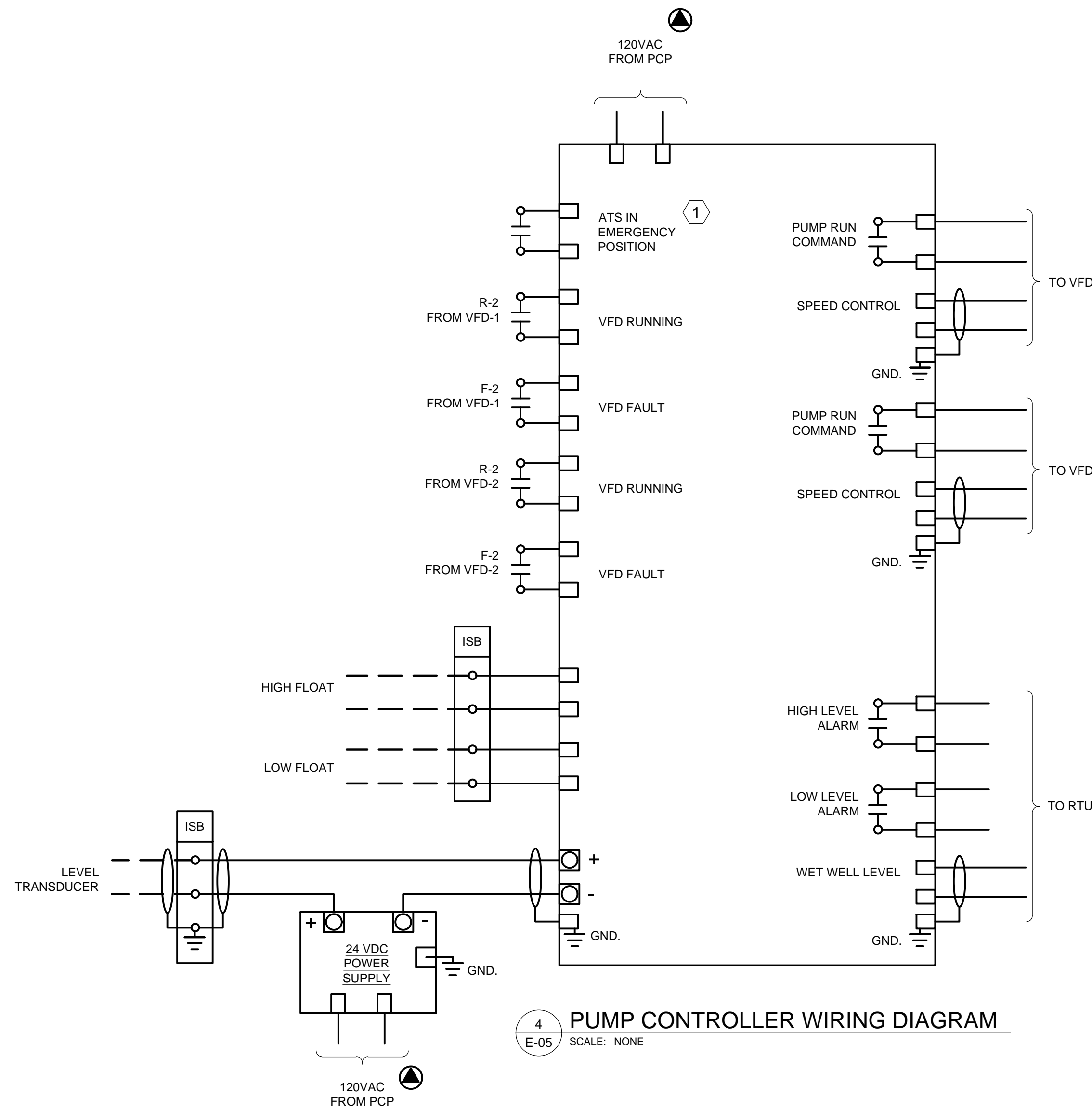
2 SIGNAL SPLITTER WIRING DIAGRAM
 E-03 SCALE: NONE (TYP. OF FLOW AND PRESSURE INSTRUMENTS)



3 WET WELL SUPPLY FAN WIRING DIAGRAM
 E-05 SCALE: NONE



5 PUMP CONTROL PANEL WIRING DIAGRAM
 E-05 SCALE: NONE (TYP. OF 2)



4 PUMP CONTROLLER WIRING DIAGRAM
 E-05 SCALE: NONE

OWNER/DEVELOPER:

KCI TECHNOLOGIES, INC.
 ENGINEERS - PLANNERS - SURVEYORS
 1915 MILL CREEK STREET
 MILFORD, DE 19380
 PH: (302) 422-6616
 PHONE: (302) 742-5999 FAX: (302) 751-7807 Website: www.kci.com

ELECTRICAL CONTROL DIAGRAMS
CITY OF MILFORD
CORPORATE CENTER PUMPING STATION
 MILFORD, DELAWARE

PROFESSIONAL CERTIFICATION
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 FULLY LICENSED PROFESSIONAL ENGINEER UNDER
 THE LAWS OF THE STATE OF DELAWARE.
 LICENSE NO. _____
 EXPIRATION DATE: _____



SIGNATURE:
 Drafting: MD Check: SR
 Design: MD Check: SR
 SCALE: N/A
 DATE: 03-07-2024
 KCI JOB #: 131803632.15
 SHEET: E-05

BID SET