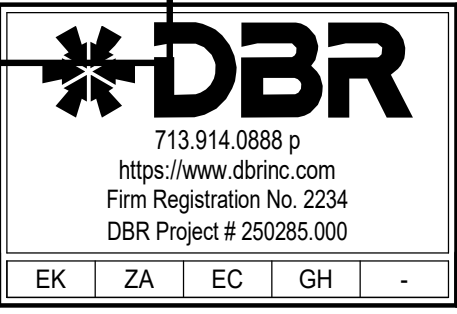
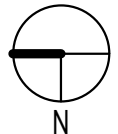


(NOT ALL ITEMS MAY APPLY TO THIS PROJECT)									
ABBREVIATIONS					SYMBOLS				
A		G		Q	PLUMBING SYSTEMS		PIPING FITTINGS		MISCELLANEOUS
AAV	AIR (COMPRESSED)	GA	GAS GAUGE	QTY	AV	ACID VENT			DRAIN(TYPE AND SIZE AS NOTED ON PLANS)
AC	AIR ADMITTANCE VALVE	GAL	GALLON	R	AV(E)	EXISTING ACID VENT PIPING - AV(E)			
AD	AIR COMPRESSOR	GALV	GALVANIZED		AW	ACID WASTE, BURIED			ROOF DRAIN OR OVERFLOW DRAIN
ADA	AIR DRYER	GC	GENERAL CONTRACTOR	RCP	AW(E)	EXISTING ACID WASTE PIPING, BURIED- AW(E)			ROOF DRAIN OR OVERFLOW DRAIN(FROM ABOVE)
AFF	AMERICANS WITH DISABILITIES ACT	GCO	GRADE CLEANOUT	RD	AW	ACID WASTE, NOT BURIED			
AFG	ABOVE FINISHED FLOOR	GI	GREASE INTERCEPTOR	RE	AW(E)	EXISTING ACID WASTE PIPING, NOT BURIED - AW(E)			
ANSI	ABOVE FINISHED GRADE	GL	GLOBE VALVE	RECIRC	AW(E)	COLD WATER - CW			
ASPE	AMERICAN NATIONAL STANDARDS INSTITUTE	GPD	GALLONS PER DAY	REFG		EXISTING DOMESTIC COLD WATER - CW(E)			
ASSE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	GPF	GALLONS PER FLUSH	RH	A	COMPRESSED AIR			
	AMERICAN SOCIETY OF SANITARY ENGINEERING	GPH	GALLONS PER HOUR	RM	D	DRAIN LINE			
AP	ACCESS PANEL	GPM	GALLONS PER MINUTE	RO	F	FIRE STANDPIPE, FIRE LINE			
ARCH	ARCHITECT, ARCHITECTURAL	GT	GREASE TRAP	RPM	FW	FORCE WASTE			
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	GV	GATE VALVE, GREASE VENT	RPZ	GW	GREASE WASTE, BURIED			
	AMERICAN SOCIETY FOR TESTING AND MATERIALS	GW	GREASE WASTE	RTU		GREASE WASTE, NOT BURIED			
AUX	AUXILIARY	GWH	GAS WATER HEATER	RV		HOT WATER - HW			
AV	ACID VENT					EXISTING DOMESTIC HOT WATER - HW(E)			
AVTR	ACID VENT THROUGH ROOF					HOT WATER RECIRCULATION			
AW	ACID WASTE					EXISTING DOMESTIC HOT WATER RETURN - HWR(E)			
B		H		S					
B	BOILER	HB	HOSE BIBB	SAN	LT	LINT WASTE			
BF	BOTTLE FILLER	HC	HANDICAPPED	SCH	LP	LIQUIFIED PETROLEUM GAS			
BFF	BELOW FINISH FLOOR	HD	HEAD, HUB DRAIN	SD	G (4oz)	NATURAL GAS (LOW PRESSURE)			
BFG	BELOW FINISHED GRADE	HKP	HOUSEKEEPING PAD	SDR	G (2 PSI)	NATURAL GAS (MEDIUM PRESSURE)			
BFP	BACKFLOW PREVENTER	HP	HORSEPOWER	SECT	G (5 PSI)	NATURAL GAS (HIGH PRESSURE)			
BFV	BUTTERFLY VALVE	HR	HOSE REEL	SF	N	NITROGEN			
BOF	BOTTOM OF FOOTING	HSC	HORIZONTAL SPLIT CASE	SH	NP-CW	NON-POTABLE - COLD WATER			
BOP	BOTTOM OF PIPE	HT	HEIGHT	SI	OD	OVERFLOW DRAIN, NOT BURIED			
BOS	BOTTOM OF STRUCTURE	HTR	HEATER	SIDS		PIPE, TO BE DEMOLISHED			
BRF	BELOW RAISED FLOOR	HW	HOT WATER	SK	S(E)	EXISTING SANITARY DRAIN, BURIED - S(E)			
BT	BATH TUB	HWR	HOT WATER RETURN	SOS		SANITARY DRAIN, NOT BURIED			
BTU	BRITISH THERMAL UNIT	HZ	HERTZ	SOV	S(E)	EXISTING SANITARY DRAIN PIPING, NOT BURIED - S(E)			
BV	BALL VALVE			SP	SW	SOFT WATER			
BWV	BACK WATER VALVE			SPK	SD	STORM DRAIN, BURIED			
C		I				TP	TRAP PRIMER		
C	CELSIUS	IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS	SSD	TP	TRAP PRIMER DEVICE			
CB	CATCH BASIN	ID	INSIDE DIAMETER	STD	TS	TAMPER SWITCH			
CD	CONDENSATE DRAIN LINE	IE	INVERT ELEVATION	STL	TW	TEMPERED WATER			
CI	CAST IRON	IN	INCH	STR	TYP	TYPICAL			
CIRC	CIRCULATING	INSUL	INSULATION	SV					
CISPI	CAST IRON SOIL PIPE INSTITUTE	IPC	INTERNATIONAL PLUMBING CODE	SW					
CFH	CUBIC FEET PER HOUR	IPW	IRON PIPE SIZE						
CFM	CUBIC FEET PER MINUTE	IW	INDIRECT WASTE						
CFS	CUBIC FEET PER SECOND	IWH	INSTANTANEOUS WATER HEATER						
CMU	CONCRETE MASONRY UNIT	IWR	INDIRECT WASTE RECEPTOR						
CL	CENTERLINE	J		T					
CO	CLEAN OUT	JP	JOCKEY PUMP	TCO	TDH	TOTAL DYNAMIC HEAD			
COL	COLUMN	K		TDL	TLT	TOTAL DEVELOPED LENGTH			
CONC	CONCRETE, CONCENTRIC CONNECTION	KEC	KITCHEN EQUIPMENT CONTRACTOR	TOB	TMV	THERMOSTATIC MIXING VALVE			
CNN	CIRCULATING PUMP, CHROME PLATE	KVA	KILOVOLT-AMPS	TOF	TOB	TOP OF BEAM			
CPVC	CHLORINATED POLYVINYL CHLORIDE	KW	KILOWATT	TP	TOF	TOP OF FOOTER			
CW	COLD WATER	L		TPD	TS	TAMPER SWITCH			
CWP	COLD WORKING PRESSURE	L	LAVATORY, LENGTH	TW	TW	TEMPERED WATER			
D		LF	LAVATORY	TYP					
DBP	DOMESTIC BOOSTER PUMP	LP	LINEAR FEET						
DC	DOWNSPOUT COVER	LPG	LIQUEFIED PETROLEUM GAS						
DCVA	DOUBLE CHECK VALVE ASSEMBLY	LT	LINT, LINT TRAP						
DDCVA	DOUBLE DETECTOR CHECK VALVE ASSEMBLY	LVL	LEVEL						
DF	DRINKING FOUNTAIN	M		U					
DFU	DRAINAGE FIXTURE UNIT	MAX	MAXIMUM	U	UF	URINAL			
DI	DEICED	MBTUH	THOUSAND OF BTU'S PER HOUR	UG	UH	UNIT HEATER			
DIA	DIAMETER	MECH	MECHANICAL	UG	UL	UL SOLUTIONS			
DIM	DIMENSION	MFR	MANUFACTURER	UH	UNO	UNLESS NOTED OTHERWISE			
DISC	DISCONNECT	MH	MANHOLE	UL	UPC	UNIFORM PLUMBING CODE			
DN	DOWN, DOWNSPOUT NOZZLE	MIN	MINIMUM						
DS	DOWNSPOUT	MS	MOP SINK						
DW	DISHWASHER	MSB	MOP SERVICE BASIN						
DWG	DRAWING	MTD	MOUNTED						
DWV	DRAINAGE WASTE AND VENT	N		V					
E		N.C.	NORMALLY CLOSED	V	VAC	VOLT, VENT			
ECC	ECCENTRIC	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	VAC	VB	VACUUM VALVE BOX, VACUUM BREAKER			
EDF	ELECTRIC DRINKING FOUNTAIN	NIC	NOT IN CONTRACT	VB	VFD	VARIABLE FREQUENCY DRIVE			
EEW	EMERGENCY EYEWASH	N.O.	NORMALLY OPEN	VP	VAC	VACUUM PUMP			
EL	ELEVATION	NPT	NATIONAL PIPE THREAD	VS	VST	VENT STACK			
ES	EMERGENCY SHOWER	NTS	NOT TO SCALE	VTR	VTR	VENT THRU ROOF			
ESP	ELEVATOR SUMP PUMP								
ET	EXPANSION TANK								
ETR	EXISTING TO REMAIN								
EWIC	ELECTRIC WATER COOLER								
EWI	ELECTRIC WATER HEATER	O		W					
F		OC	ON CENTER	W	WATT, WASTE, WIDTH, WASHING MACHINE				
FBO	FURNISHED BY OTHERS	OD	OUTSIDE DIAMETER, OVERFLOW DRAIN	W	WITH				
FCO	FLOOR CLEAN OUT	OS&Y	OUTSIDE STEM AND YOKE	W/O	WITHOUT				
FCV	FLOOR CONTROL VALVE	OZ	OUNCES	WB	WALL BOX				
FD	FLOOR DRAIN	P		WC	WATER CLOSET, WATER COLUMN				
FDC	FIRE DEPARTMENT CONNECTION	PD	PRESSURE DROP, PRESSURE DIFFERENTIAL	WCO	WALL CLEANOUT				
FEC	FIRE EXTINGUISHER CABINET	PDI	PLUMBING DRAINAGE INSTITUTE	WH	WALL HYDRANT				
FH	FIRE HYDRANT	PH	PHASE	WHA	WATER HAMMER ARRESTOR				
FHC	FIRE HOSE CABINET	PIV	POST INDICATOR VALVE	WM	WATER METER				
FHR	FIRE HOSE RACK	PLBG	PLUMBING	WMB	WASHING MACHINE BOX				
FHV	FIRE HOSE VALVE	POU	POINT-OF-USE	WOG	WATER OIL AND GAS				
FIXT	FIXTURE	PP	PARTS PER MILLION	WP	WEATHERPROOF				
FOG	FATS, OILS, AND GREASE	PPM	PARTS PER MILLION	WS	WATER SOFTENER, WASTE STACK				
FLR	FLOOR	PRV	PRESSURE REDUCING VALVE	WSFU	WATER SUPPLY FIXTURE UNIT				
FP	FIRE PUMP	PSF	POUNDS PER SQUARE FOOT	WT	WATERTIGHT, WEIGHT				
FS	FLOW SWITCH, FIRE SPRINKLER	PSI	POUNDS PER SQUARE INCH	Y					
FT	FOOT, FEET	PSIG	POUNDS PER SQUARE INCH GAUGE	YCO	YARD CLEANOUT				
FW	FORCE WASTE, FILTER WATER	PVC	POLYVINYL CHLORIDE	YH	YARD HYDRANT				
		PVDF	POLYVINYLIDENE FLUORIDE	Z					
				Z	ZONE				
				ZV	ZONE VALVE				



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No.	DATE	DESCRIPTION
	10/13/25	IFB

SEAL:



NEW FIRE STATION #12 CY-FAIR
VOLUNTEER DEPARTRMENT HARRIS
COUNTY EMERGENCY SERVICES NO.9

TBPE Firm
Registration No. 2234

DATE:

03/16/23

DRAWN BY:

DBR

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PROJECT NUMBER

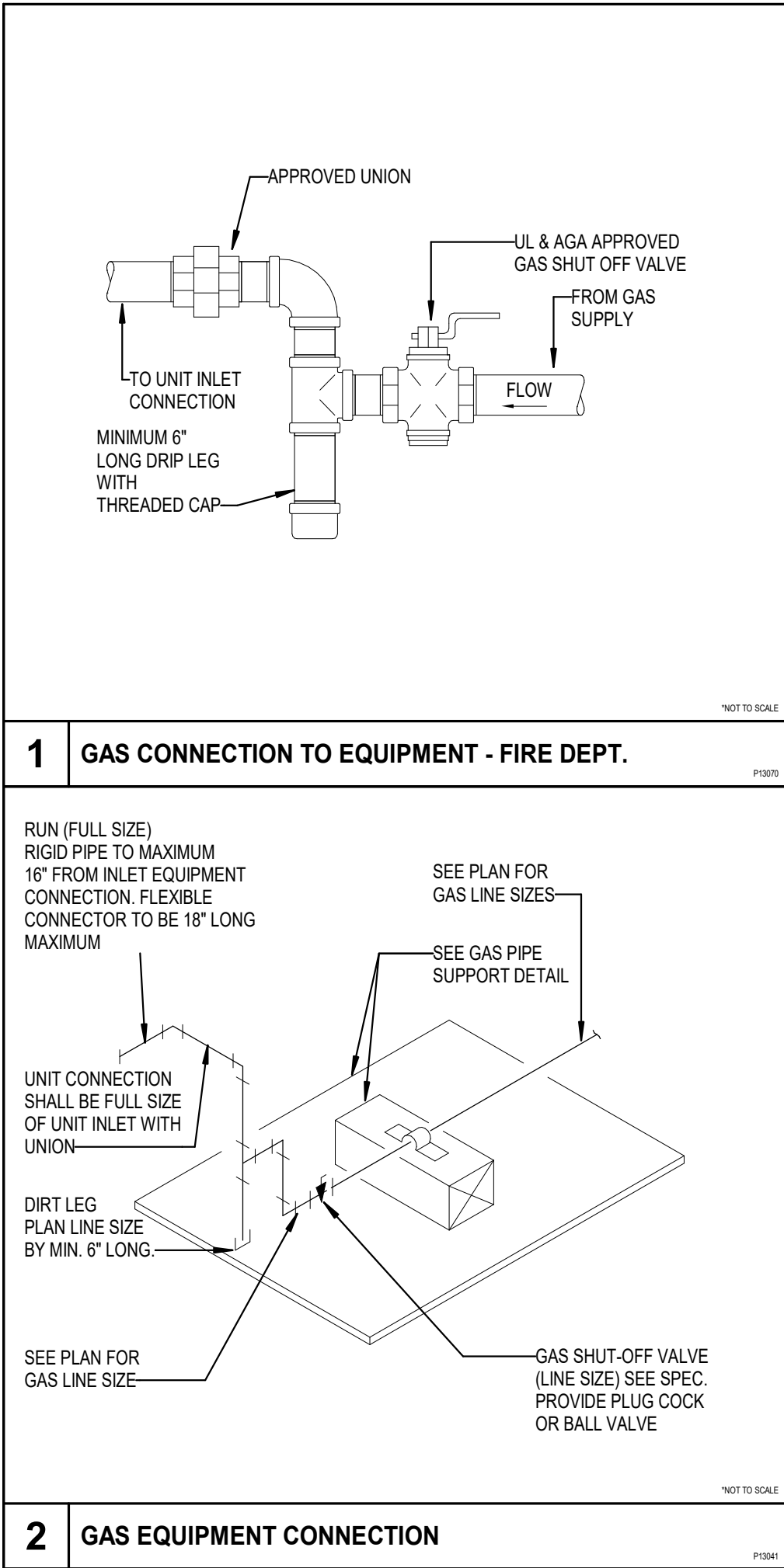
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PLUMBING SYMBOL
LEGEND

SHEET NUMBER:

P0.01



- SITE UTILITY NOTES
1.

REFER TO CIVIL DRAWINGS FOR BUILDING FINISHED FLOOR ELEVATION(S).
2.

ALL INVERT ELEVATIONS INDICATED ARE RELATIVE TO THE FINISHED FLOOR ELEVATION OF THE BUILDING SLAB AT THEIR RESPECTIVE LOCATIONS, UNLESS SPECIFICALLY NOTED OTHERWISE.
3.

ROLL-DOWN AS NECESSARY AND PROVIDE PIPE, FITTINGS, AND ADAPTERS AS REQUIRED TO MAKE PROPER CONNECTIONS TO SITE UTILITY LINES.
4.

PROVIDE SCHEDULE 40 SOLID WALL PVC SLEEVES FOR ALL INCOMING GAS SERVICE PIPING TO BE ROUTED BELOW CONCRETE, ASPHALT, OR PAVING. SLEEVES SHALL BE NO SMALLER THAN TWO TIMES THE DIAMETER OF THE GAS PIPING TO BE SERVED. PROVIDE 4'-0" X 4'-0" TEMPORARY LEAVE-OUTS IN THE PAVING AT ALL CHANGES IN DIRECTION ALONG THE ROUTE OF THE SLEEVING. ENSURE ALL SLEEVES ARE MAINTAINED FREE FROM DIRT AND DEBRIS, CAPPED AT BOTH ENDS, AND CLEARLY LABELED. FILL LEAVE-OUTS TO MATCH FINISHED CONDITIONS. THESE GENERAL GUIDELINES SHALL NOT SUPERCEDE THE LOCAL GAS PROVIDER'S REQUIREMENTS, WHICH SHALL GOVERN THE INSTALLATION OF ALL SLEEVING.
5.

FIELD COORDINATE/CONFIRM THE ROUTING AND INSTALLATION OF GAS SERVICE PIPING WITH THE LOCAL UTILITY PROVIDER PRIOR TO ANY SITE PAVING WORK. MAKE ADJUSTMENTS AS REQUIRED.

- GENERAL WORK NOTES
1.

ALL WORK, METHODS, AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE PREVAILING CODE AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
2.

CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS, ELEVATIONS, DIRECTION OF FLOW, PIPE SIZES & CAPACITIES, AND PIPE MATERIAL & CONDITION AT PROPOSED POINTS OF CONNECTION WITH EXISTING BUILDING PLUMBING LINES AND SITE CIVIL LINES PRIOR TO INSTALLATION OF ANY NEW WORK. MODIFY/REPLACE EXISTING PIPING IF AND AS REQUIRED TO ENSURE PROPER CONNECTIONS. ONLY CONNECT NEW LINES TO SUITABLE EXISTING LINES OF EQUAL OR GREATER SIZE.
3.

COORDINATE ROUTING OF BURIED PIPING WITH COLUMN FOOTINGS, GRADE BEAMS, UNDERGROUND UTILITIES, AND ALL OTHER SUB-SURFACE BUILDING ELEMENTS. MAKE ADJUSTMENTS AS REQUIRED AND ADVISE ARCHITECT/ENGINEER OF ANY GRADING CONFLICTS PRIOR TO COMMENCING INSTALLATION.
4.

CONTRACTOR SHALL FIELD COORDINATE LOCATIONS AND ELEVATIONS OF ALL PLUMBING PIPING WITH OTHER TRADES PRIOR TO INSTALLATION. WHERE RELOCATIONS OF NEW WORK ARE REQUIRED TO CORRECT CONFLICTS WITH OTHER TRADES IT SHALL BE DONE AT NO ADDITIONAL COST TO OWNER.
5.

CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING ALL PLUMBING PIPING SLEEVE LOCATIONS WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF ANY PIPING OR SUPPORTS.
6.

RENOVATIONS SITE INSPECTIONS: CONTRACTOR SHALL VISIT THE SITE OF WORK PRIOR TO SUBMITTING A BID AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND EXACT NATURE OF WORK. SUBMISSION OF A BID ACKNOWLEDGES FULL RESPONSIBILITY FOR FURNISHING A COMPLETE AND FUNCTIONAL SYSTEM. NO CHANGES IN THE CONTRACT WILL BE MADE TO ACCOMMODATE OR ALLOW EXTRA FUNDS FOR ANY OMISSION WHICH RESULTS FROM FAILURE TO MAKE SUCH A THOROUGH EXAMINATION. NOTE THAT FOR GRAPHICAL CLARITY, ALL EXISTING PIPING TO REMAIN OR BE ABANDONED IN PLACE MAY NOT BE SHOWN ON THE FLOOR PLANS.

QTY	GAS LOAD DEMAND (EXISTING)	CFH
1	APPLIANCES/EQUIPMENT @ 40Z	875
1	EMERGENCY GENERATOR (EXST.)	1,728
	TOTAL - GAS LOAD (EXISTING)	2,603
	TOTAL DEVELOPED LENGTH 0'-0"	

QTY	GAS LOAD DEMAND (NEW)	CFH
1	APPLIANCES/EQUIPMENT @ 40Z	875
1	EMERGENCY GENERATOR @ 5 PSI (NEW)	2,188
	TOTAL - GAS LOAD (EXISTING)	3,063
	TOTAL DEVELOPED LENGTH 0'-0"	

GAS PRESSURE REGULATORS					
MARK	INLET PRESSURE (PSI)	OUTLET PRESSURE (INC...	CFH	MANUFACTURER	MODEL NUMBER
GPR-1	5	11	3,063	MAXITROL	325 SERIES

- NOTE:
1.

COORDINATE FINAL REGULATOR SELECTIONS WITH FINAL EQUIPMENT BEING PROVIDED. MAKE ADJUSTMENTS AS REQUIRED.
2.

ALL GAS PRESSURE REGULATORS SHALL MEET THE REQUIREMENTS OF ANSI Z21.80 (NFPA 54:5.8.2.).
3.

REGULATORS LOCATED INDOORS SHAL NOT BE INSTALLED CONCEALED OR ABOVE A CEILING. ALL INDOOR REGULATORS MUST BE LOCATED BELOW FINISHED CEILINGS OR IN EXPOSED AREAS.
4.

NATURAL GAS PIPING BELOW GRADE AND OUTSIDE THE BUILDING SHALL BE YELLOW POLYETHYLENE WITH SOCKET HEAT FUSION WELD FITTINGS.
5.

REGULATORS LOCATED INDOORS SHAL NOT BE INSTALLED CONCEALED OR ABOVE A CEILING. ALL INDOOR REGULATORS MUST BE LOCATED BELOW FINISHED CEILINGS OR IN EXPOSED AREAS.
6.

NATURAL GAS PIPING BELOW GRADE AND OUTSIDE THE BUILDING SHALL BE YELLOW POLYETHYLENE WITH SOCKET HEAT FUSION WELD FITTINGS.
7.

NATURAL GAS PIPING ABOVE GRADE SHALL BE SEAMLESS SCHEDULE 40 BLACK STEEL.
8.

PROVIDE REGULATOR VENT LINE FOR EACH REGULATOR INDEPENDENTLY AND ROUTE EACH LINE FULL SIZE TO THE OUTDOORS. (HIDE CELL IF SCHEDULING VENTLESS/VENT LIMITING PRESSURE REGULATORS)

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	10/13/25	IFB



NEW FIRE STATION #12 CY-FAIR
VOLUNTEER DEPARTRMENT HARRIS
COUNTY EMERGENCY SERVICES NO.9

TBPE Firm
Registration No. 2234

DATE:
07/31/24

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Author

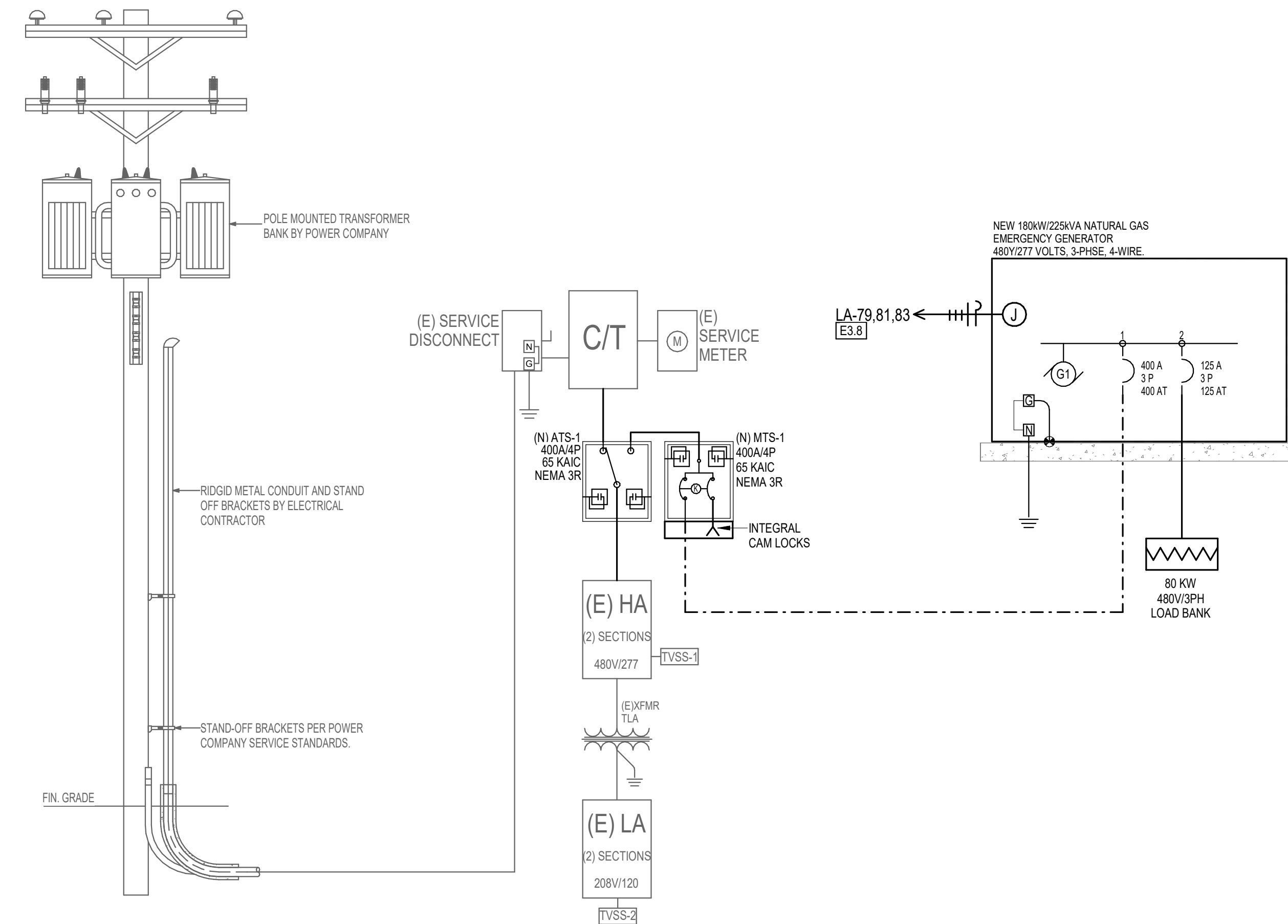
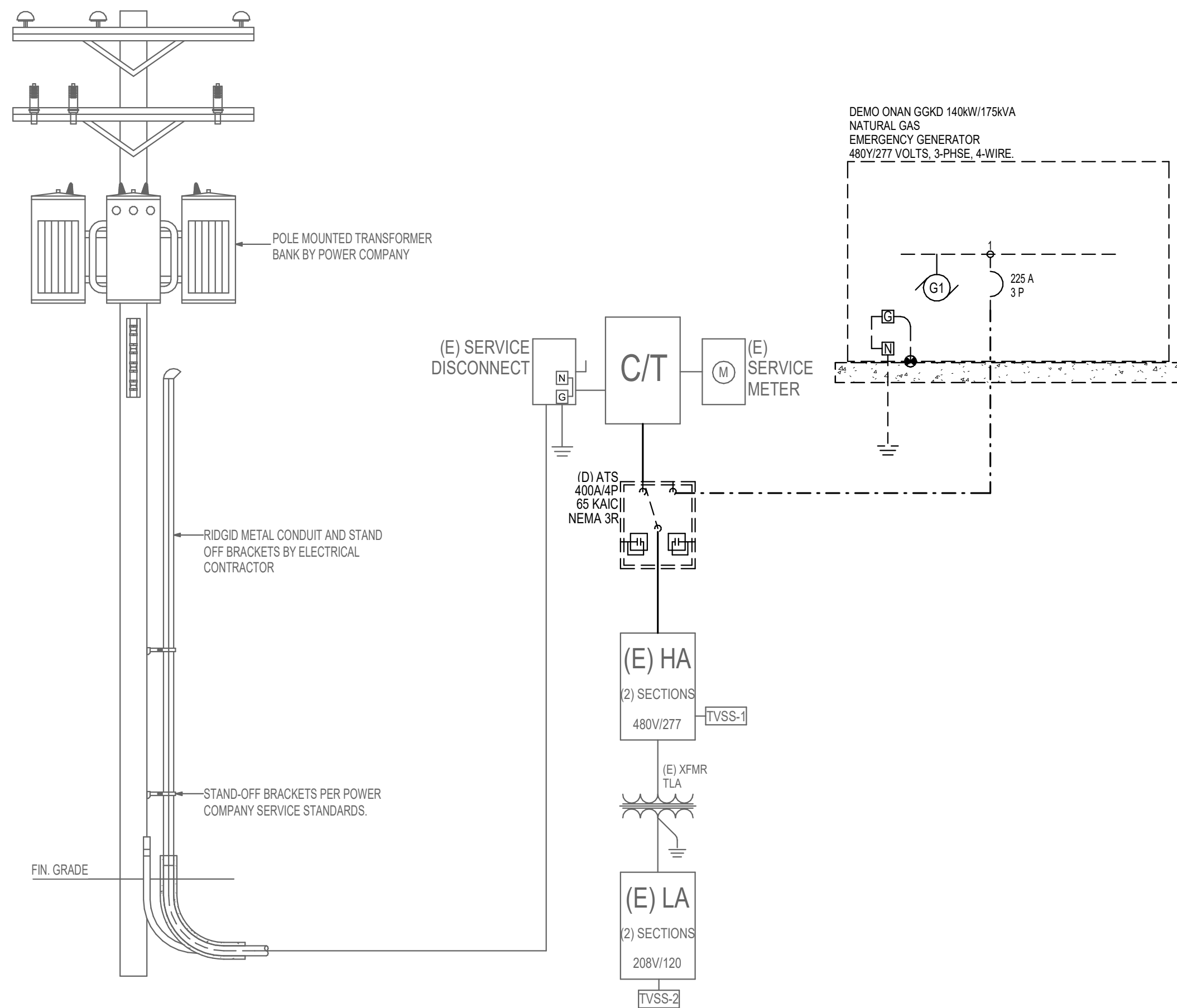
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PROJECT NUMBER
Project Number

SHEET TITLE:
PLUMBING GENERAL NOTES

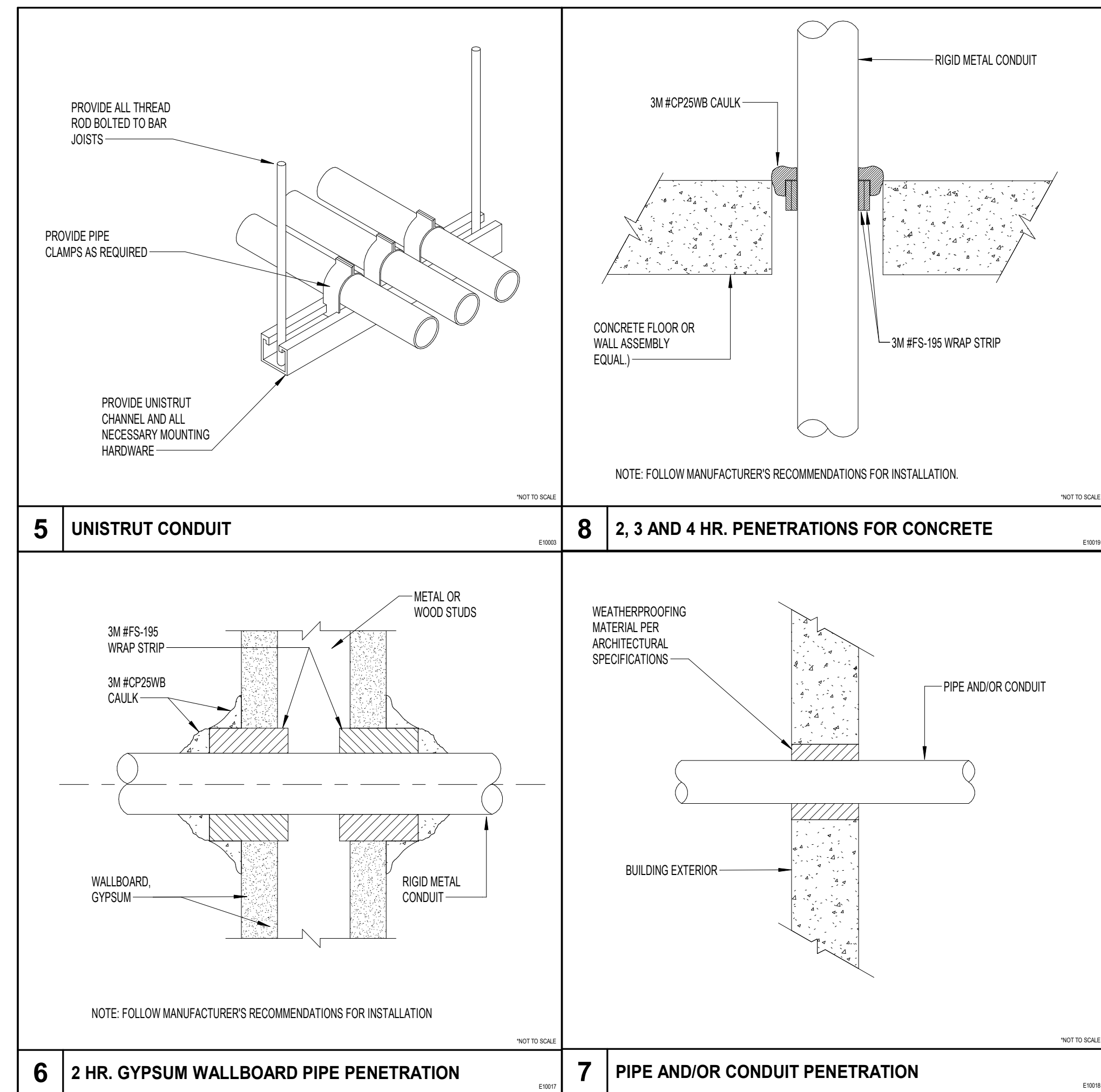
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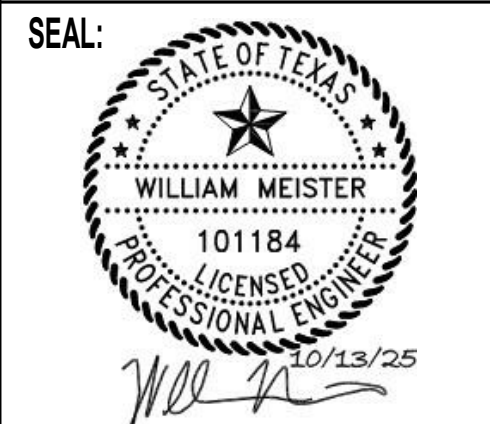
FEEDER SCHEDULE COPPER ONLY			
RATING	SETS	CONDUCTOR SIZE	CONDUIT
30A	1	#10, 1F10 G.	3/4"
40A	1	#8, 1F10 G.	1"
50A	1	#8, 1F10 G.	1"
60A	1	#8, 1F10 G.	1"
70A	1	#4, 1#8 G.	1 1/4"
80A	1	#4, 1#8 G.	1 1/4"
90A	1	#3, 1#8 G.	1 1/4"
100A	1	#3, 1#8 G.	1 1/4"
125A	1	#1, 1#6 G.	1 1/2"
150A	1	#1/0, 1#5 G.	1 1/2"
175A	1	#2/0, 1#5 G.	2"
200A	1	#3/0, 1#5 G.	2"
225A	1	#4/0, 1#4 G.	2 1/2"
250A	1	#2/0, 1#4 G.	2 1/2"
300A	1	#3/0, 1#4 G.	3"
350A	1	#5/0, 1#3 G.	3 1/2"
400A	1	#6/0, 1#3 G.	4"
450A	2	2#4/0, 1#2 G.	2 1/2"
500A	2	#2/0, 1#2G.	2 1/2"
600A	2	#3/0, 1#1G.	3"
700A	2	#5/0, 1#1/0G.	4"
800A	2	#6/0, 1#1/0G.	4"
1000A	3	#5/0, 1#2/0G.	4"
1200A	4	#3/0, 1#3/0G.	3"
1600A	4	#6/0, 1#4/0G.	4"
	5	#5/0, 1#4/0G.	4"
2000A	5	#6/0, 1#2/0 G.	4"
	6	#5/0, 1#2/0 G.	4"
2500A	6	#6/0, 1#3/0 G.	4"
	7	#5/0, 1#3/0 G.	4"
3000A	8	#5/0, 1#4/0 G.	4"
	9	#6/0, 1#5/0 G.	4"
3500A	10	#5/0, 1#5/0 G.	4"
4000A	10	#6/0, 1#5/0 G.	4"
	11	#5/0, 1#5/0 G.	4"
5000A	12	#6/0, 1#7/0 G.	4"
	14	#5/0, 1#7/0 G.	4"

1. ELECTRICAL CONTRACTOR SHALL PROVIDE THE NUMBER OF LUGS AND PROPER LUG SIZES TO ACCEPT CONDUCTOR SIZES SHOWN.
2. GROUND NOT REQUIRED AT SERVICE LATERAL.



- GENERAL ELECTRICAL DEMOLITION NOTES:**

Generator Load Analysis - FIRE STATION 12					
480 / 277 ,		3 -PHASE,		4 -WIRE	
DESCRIPTION				NEC	KVA
LIGHTING:					
INTERIOR =	3.5	VA/S.F. x	8,903	S.F. X 125%	39.0
EXTERIOR =	3000	VA X	125%		3.8
POWER:					
RECEPTACLES =	1.0	VA/S.F. x	8,903	S.F.	8.9
MDF/IDF/MISC	3	VA/S.F. x	8903	S.F.	26.7
KITCHEN WALK-INS =	17339	VA X	65%		11.3
COOLING=	29986	VA			30.0
HEATING=	9000	VA	X	0	0.0
FANS=	8902	VA			8.9
25% LARGEST MOTOR =	7063	VA			7.1
WATER HEATER =	18000	VA			18.0
DRINKING FOUNTAIN =	3000	VA			3.0
CIRCULATION PUMP=	500	VA			0.5
				TOTAL KVA	157.0
				TOTAL KW	141.3
Squire footage: 8,903 S.F.				GEN SIZE (KW)	180.0
MAX RUNNING CAPACITY IS 80% OF GENERATOR RATING PER MANUFACTURER				RUNNING CAPACITY (KW)	144.0
				SPARE CAPACITY (KW)	2.7

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NEW FIRE STATION #12 CY-FAIR
VOLUNTEER DEPARTMENT HARRIS
COUNTY EMERGENCY SERVICES NO. 9

<p>TBPE Firm Registration No. 2234</p>
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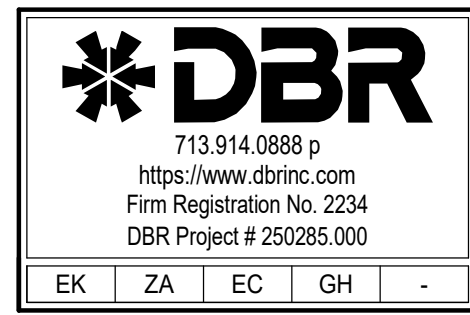
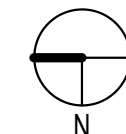
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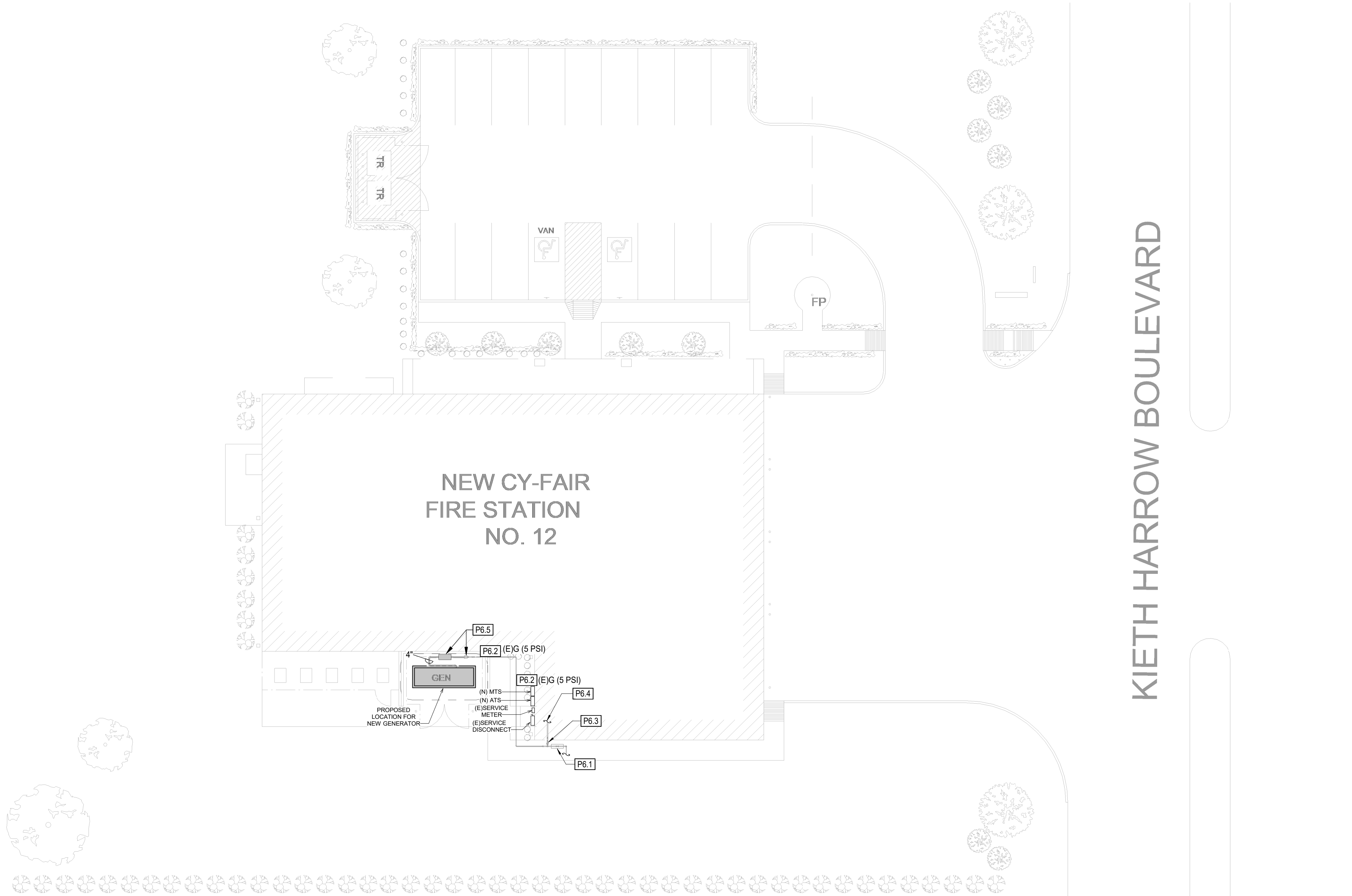
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ELECTRICAL ONE-LINE DIAGRAM

SHEET NUMBER:

E4.01

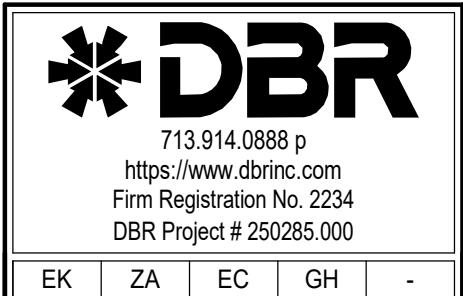
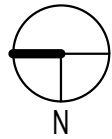




1 PLUMBING SITE PLAN
1/16" = 1'-0"

PLUMBING KEYED NOTES

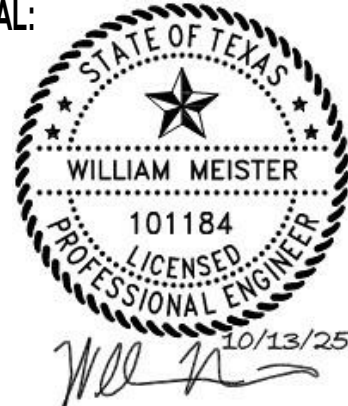
- P6.1 APPROXIMATE LOCATION OF EXISTING GAS METER: 2,603 CFH AT 5 PSI. SHUT-OFF VALVE AND PRESSURE REGULATOR ASSEMBLY. INCREASE IN GAS LOAD OF 460 CFH FOR A NEW TOTAL GAS LOAD OF 3,063 (REFER TO BUILDING GAS LOAD DEMAND TABLE ON SHEET P0.11). LOCAL GAS UTILITY COMPANY HAS BEEN CONTACTED TO DETERMINE IF EXISTING GAS METER REQUIRES REPLACING.
- P6.2 EXISTING GAS PIPING TO GENERATOR ROUTED UNDERGROUND FROM GAS METER AND UP THROUGH SLEEVE AT GENERATOR PAD. CONTRACTOR SHALL VERIFY, IN THE FIELD, EXACT LOCATION OF EXISTING GAS PIPING TO GENERATOR.
- P6.3 EXISTING GAS PRESSURE REGULATOR SET FROM 5 PSI TO 4 OZ TO REMAIN AND BE REUSED.
- P6.4 EXISTING GAS 875 CFH AT 4 OZ TO EXISTING MECHANICAL EQUIPMENT AND APPLIANCES.
- P6.5 EXISTING GAS PRESSURE REGULATOR AND BUFFER TANK TO BE REMOVED AND REPLACED WITH NEW GAS PRESSURE REGULATOR (5 PSI IN, 11" W.C. OUT) AND BUFFER TANK OF EQUAL SIZE (APPROXIMATELY). PROVIDE NEW PIPING FROM GAS PRESSURE REGULATOR OUTLET TO NEW GENERATOR. SIZE AS NOTED ON PLANS. CONTRACTOR SHALL VERIFY MANUFACTURER'S RECOMMENDED PRESSURE(S) PRIOR TO ORDER GAS PRESSURE REGULATOR.



REVISION:

No.	DATE	DESCRIPTION
1	10/13/25	IFB

SEAL:



NEW FIRE STATION #12 CY-FAIR
VOLUNTEER DEPARTEMENT HARRIS
COUNTY EMERGENCY SERVICES NO. 9

TBPE Firm
Registration No. 2234

DATE:
05/07/18

DRAWN BY:
DBR

CHECKED BY:
DBR

PROJECT NUMBER
Project Number

SHEET TITLE:
ELECTRICAL AND
PLUMBING SITE PLAN

SHEET NUMBER:

EP.021