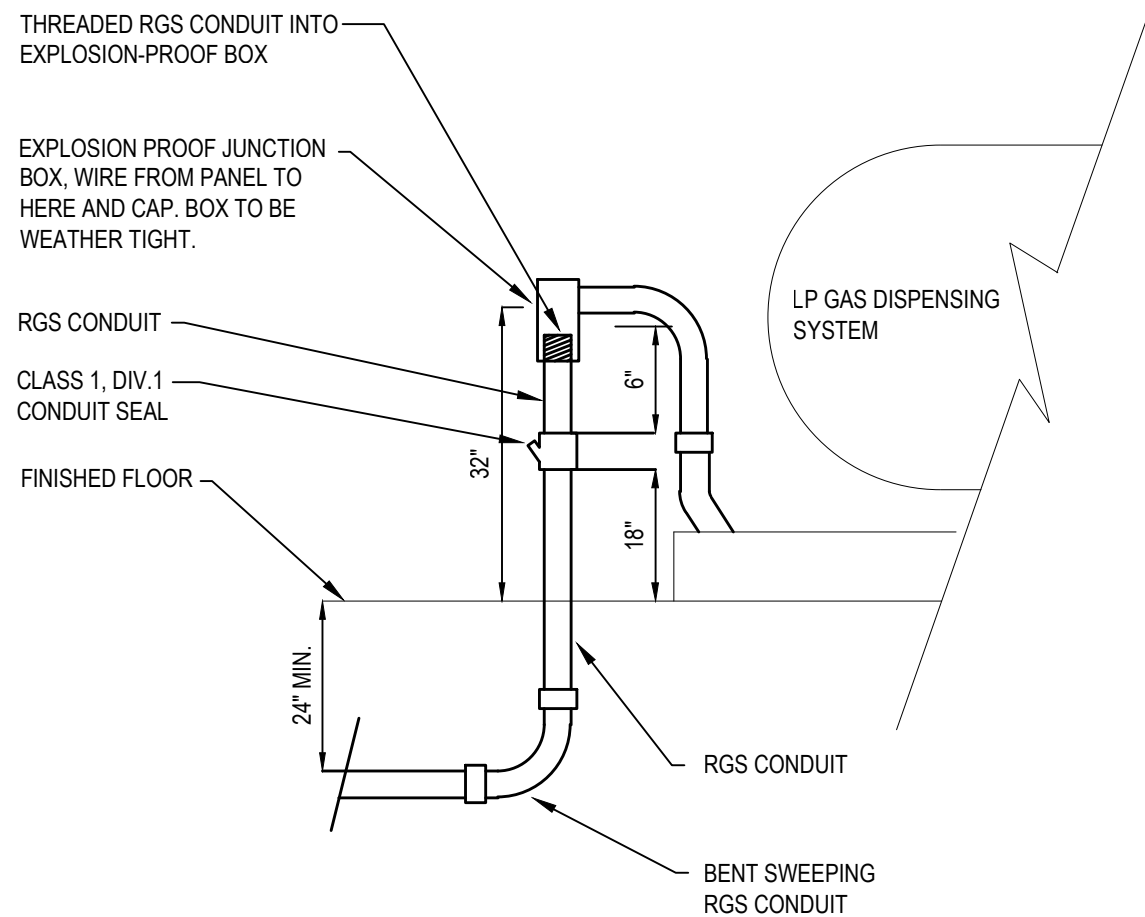


2 PROPANE DISPENSING SYSTEM
CONTROL DIAGRAM
N.T.S.

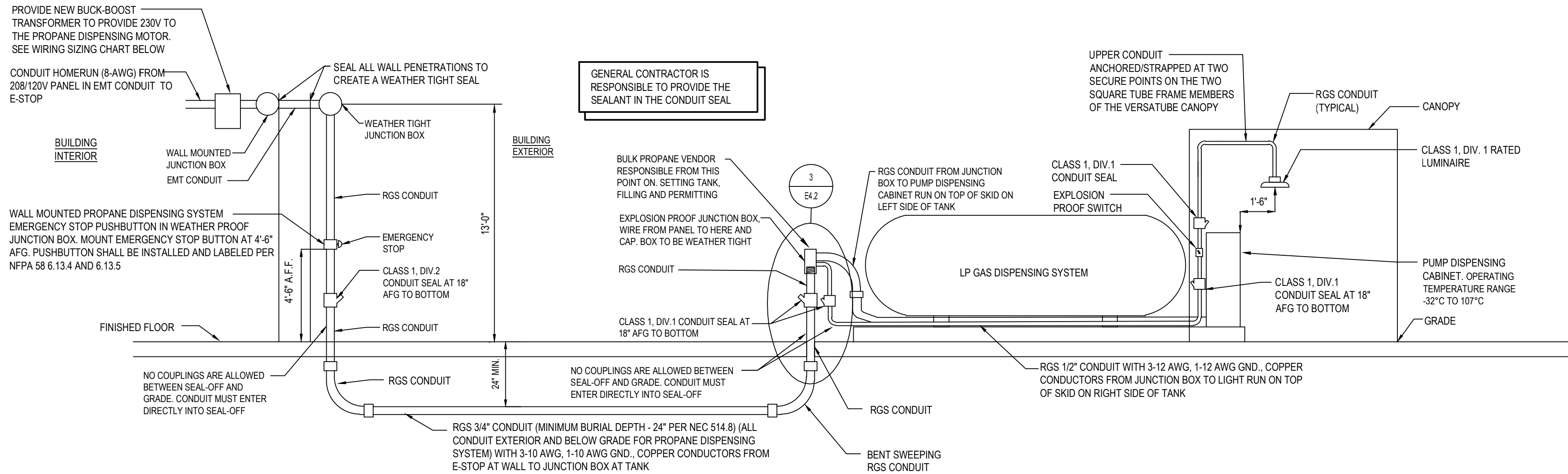


3 ENLARGED DETAIL
N.T.S.
NOTE:
SEE DETAIL NOTES FOR MODEL
NUMBER OF EXPLOSION-PROOF
BOXES AND HARDWARE

WIRE SIZING CHART					
PUMP MODEL	MOTOR RATED VOLTAGE	MINIMUM STARTING VOLTAGE	FLA	MINIMUM WIRE SIZE FOR LENGTH OF RUN	(USES SWITCH 2275)
				0-300'	
C10/C12	230	210	12	8-AWG	

NOTES:

- PREFERRED MOTOR VOLTAGE IS 230V.
- VERIFY INITIAL VOLTAGE DROP DURING MOTOR INRUSH DOES NOT DROP STARTING VOLTAGE BELOW MINIMUM REQUIREMENTS.
- PROVIDE BUCKBOOST TRANSFORMER AT PANELBOARD FOR 240V OPERATION. FEDERAL PACIFIC #KXGF16-0.5 OR EQUAL.



1 PROPANE DISPENSING SYSTEM
N.T.S.

PROPANE RESPONSIBILITY NOTES:

IF PROPANE IS DELIVERED PRIOR TO FIXTURE DATE:

- GC IS RESPONSIBLE FOR INFRASTRUCTURE RELATED TO PROPANE TANK INSTALLATION.
- GC IS RESPONSIBLE FOR ELECTRICAL PERMITTING AND FINAL CONNECTION TO PUMP DISPENSING CABINET.
- BULK PROPANE VENDOR IS RESPONSIBLE FOR GAS PERMITTING OF THE TANK.
- BULK PROPANE VENDOR IS RESPONSIBLE FOR INSTALLATION AND FINAL GAS CONNECTION AND INSPECTION OF THE TANK.

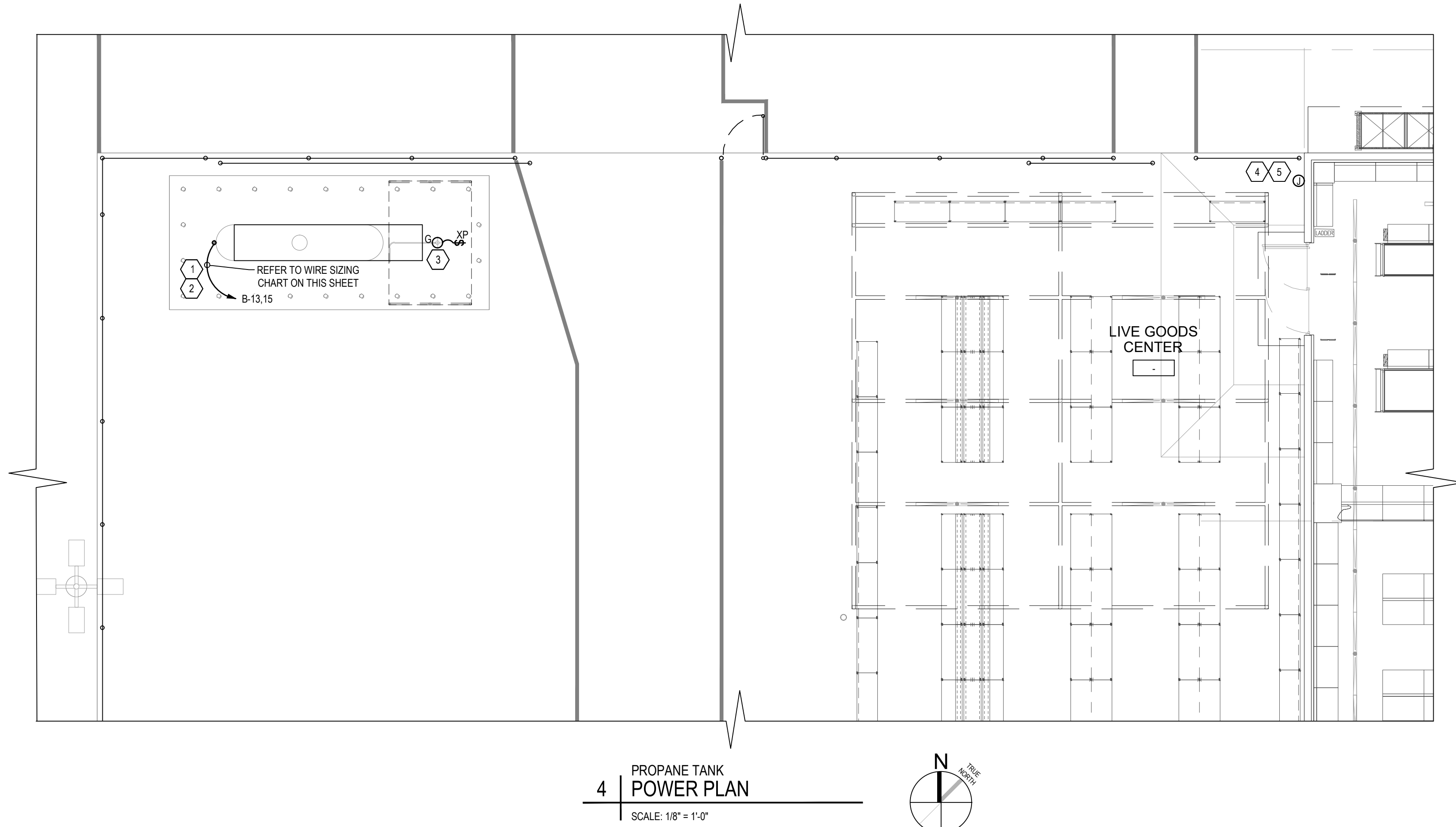
IF PROPANE TANK IS DELIVERED AFTER FIXTURE DATE:

- GC IS RESPONSIBLE FOR INFRASTRUCTURE RELATED TO PROPANE TANK INSTALLATION.
- BULK PROPANE VENDOR IS RESPONSIBLE FOR ELECTRICAL PERMITTING AND FINAL CONNECTION TO PUMP DISPENSING CONTROL PANEL.
- BULK PROPANE VENDOR IS RESPONSIBLE FOR GAS PERMITTING OF THE TANK.
- BULK PROPANE VENDOR IS RESPONSIBLE FOR INSTALLATION AND FINAL GAS CONNECTION AND INSPECTION OF THE TANK.

NOTE:
TSC CONTACT FOR BULK PROPANE:
FELICIA MINGS (815)-4404217

DETAIL NOTES:

- CONDUIT FROM BUILDING TO DISPENSING SYSTEM SHALL BE ROUTED MINIMUM 24" BELOW GRADE PER NEC ARTICLE 514.8.
- ALL EQUIPMENT LOCATED WITHIN FIVE FEET OF DISPENSING UNIT SHALL BE RATED FOR USE IN CLASS 1, DIVISION 1 HAZARDOUS LOCATIONS.
- ALL EQUIPMENT LOCATED BETWEEN FIVE FEET OF TANK AND 20 FEET OF TANK SHALL BE RATED FOR USE IN CLASS 1, DIVISION 2 HAZARDOUS LOCATIONS.
- ALL CONDUIT SHALL BE RGS. NO MC OR BLACK IRON PERMITTED. ALL FITTINGS ON RGS CONDUITS SHALL BE THREADED.
- CONDUIT SEALS SHALL BE INSTALLED ON ALL CONDUITS THAT PASS INTO OR THROUGH THE CLASS 1, DIVISION 1 OR 2 HAZARDOUS BOUNDARIES WITHIN TEN FEET AFTER PENETRATION ABOVE GRADE ON EACH END OF CONDUIT PER NEC 514.9.
- PROVIDE ONE (1) EXPLOSION-PROOF JUNCTION BOX AT THE DISPENSING UNIT. JUNCTION BOX TO BE COOPER CROUSE HINDS MODEL #GUAWZ6. INSTALL SUCH THAT BOX IS IN A VERTICAL POSITION SO THE MAXIMUM WIDTH IS 4-1/4". COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH PROPANE DISPENSING VENDOR PRIOR TO ROUGH-IN. COORDINATE LOCATION OF CONDUIT ENTRIES WITH PROPANE DISPENSING VENDOR PRIOR TO ORDERING.
- REFERENCE SHEET AS-1.2 FOR EXACT LOCATION OF CONDUIT STUB-UP AT PROPANE TANK.



4 PROPANE TANK
POWER PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTE SCHEDULE

- PROVIDE NEW PROPANE DISPENSING CIRCUIT FROM 20A-2P BREAKER IN PANEL 'B' TO NEW PROPANE LOCATION. REFER TO WIRE SIZING CHART FOR REQUIREMENTS FOR INCREASED WIRE SIZE AND BOOSTING XFMR.
- PROVIDE ONE (1) EXPLOSION-PROOF JUNCTION BOX AT THE DISPENSING UNIT. JUNCTION BOX TO BE COOPER CROUSE HINDS MODEL #GUAWZ6. INSTALL SUCH THAT BOX IS IN A VERTICAL POSITION SO THE MAXIMUM WIDTH IS 4-1/4". COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH PROPANE DISPENSING VENDOR PRIOR TO ROUGH-IN. COORDINATE LOCATION OF CONDUIT ENTRIES WITH PROPANE DISPENSING VENDOR PRIOR TO ORDERING.
- PROVIDE TYPE "G" LUMINAIRE AT CANOPY, CONTROLLED BY AN EXPLOSION-PROOF SWITCH. CONNECT LUMINAIRE TO PROPANE DISPENSING CIRCUIT. SEE DETAIL 1 ON THIS SHEET.
- PROPANE EMERGENCY STOP BUTTON, MOUNTED TO BUILDING. LOCATE WITHIN 100' OF PROPANE DISPENSING UNIT. PROPANE DISPENSING SYSTEM EMERGENCY STOP PUSHBUTTON TO BE IN WEATHER PROOF JUNCTION BOX. MOUNT EMERGENCY STOP BUTTON AT 4'-6" AFF. CONTRACTOR SHALL PROVIDE SIGN AT PUSHBUTTON TO IDENTIFY AS "PROPANE CONTAINER LIQUID VALVE EMERGENCY SHUT-OFF". COORDINATE EXACT MOUNTING LOCATION OF PUSHBUTTON WITH ARCHITECT. REFERENCE DETAIL 2 ON THIS SHEET FOR CONTROL DIAGRAM. PUSHBUTTON SHALL BE INSTALLED AND LABELED PER NFPA 58 6.13.4 AND 6.13.5.
- CONTRACTOR SHALL ROUTE CONDUIT CONCEALED FOR ELECTRICAL DEVICES LOCATED BELOW 96" AFF. CONDUIT MAY BE ROUTED EXPOSED ABOVE 96" AFF. PAINT CONDUIT TO MATCH MOUNTING SURFACE.