



Typical Electric Barrier Layout
Scale 1:40

Typical Conduit Layout				
Item	Description	Conduit Size	Wire Size	Power Description
1A	Motor Power (Electric)	2-1/2"	14AWG 7-CON	240V
1B	Hydraulic Hoses	2-1/2"	1/2" Power, 1/4" Breather Hoses	N/A
2	Barrier Switches & Lights	1"	18AWG 9-CON	24 VDC
3	Accessory Conduit #1*	1"	Varies	Varies
4	Heater Conduit (Optional)	1"	10 AWG	480V MAX, 25A MAX
5	Incoming Utility Power***	Varies	Varies	208V, 3Ph, 30A
6	Safety Loop Conduit	3/4"	16AWG	24 VDC
7	Master Control Panel	1"	18AWG 9-CON	24 VDC
8	Remote Control Panel #1**	1"	18AWG 9-CON	24 VDC
9	Remote Control Panel #2**	1"	18AWG 9-CON	24 VDC

*Conduit access holes are provided as standard for accessories such as sump pumps or heating.

** Typically, the Remote Control Panel will integrate into control system at the EPU/HPU, but when Remote Control Panel is physically located closer to the Master Control Panel, it can terminate there.

*** Control system can be designed around AC Power input determined per project specifications, ideal power is as noted.

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REV #	DESCRIPTION:	DRAWN BY:	APPD BY:	DATE:	PROJECT: STANDARD
3	Added reference to hydraulic conduit requirement	DP	JP	08-12-19	
2	Updated standard utility power input	JP	JH	02-21-18	
1	Approved for distribution	JP	PL	11-29-17	
0	Issued for approval	JP	PL	11-27-17	
				SCALE: NTS	SHEET: 1 OF 1
				DWG # G2-PU-2CL	