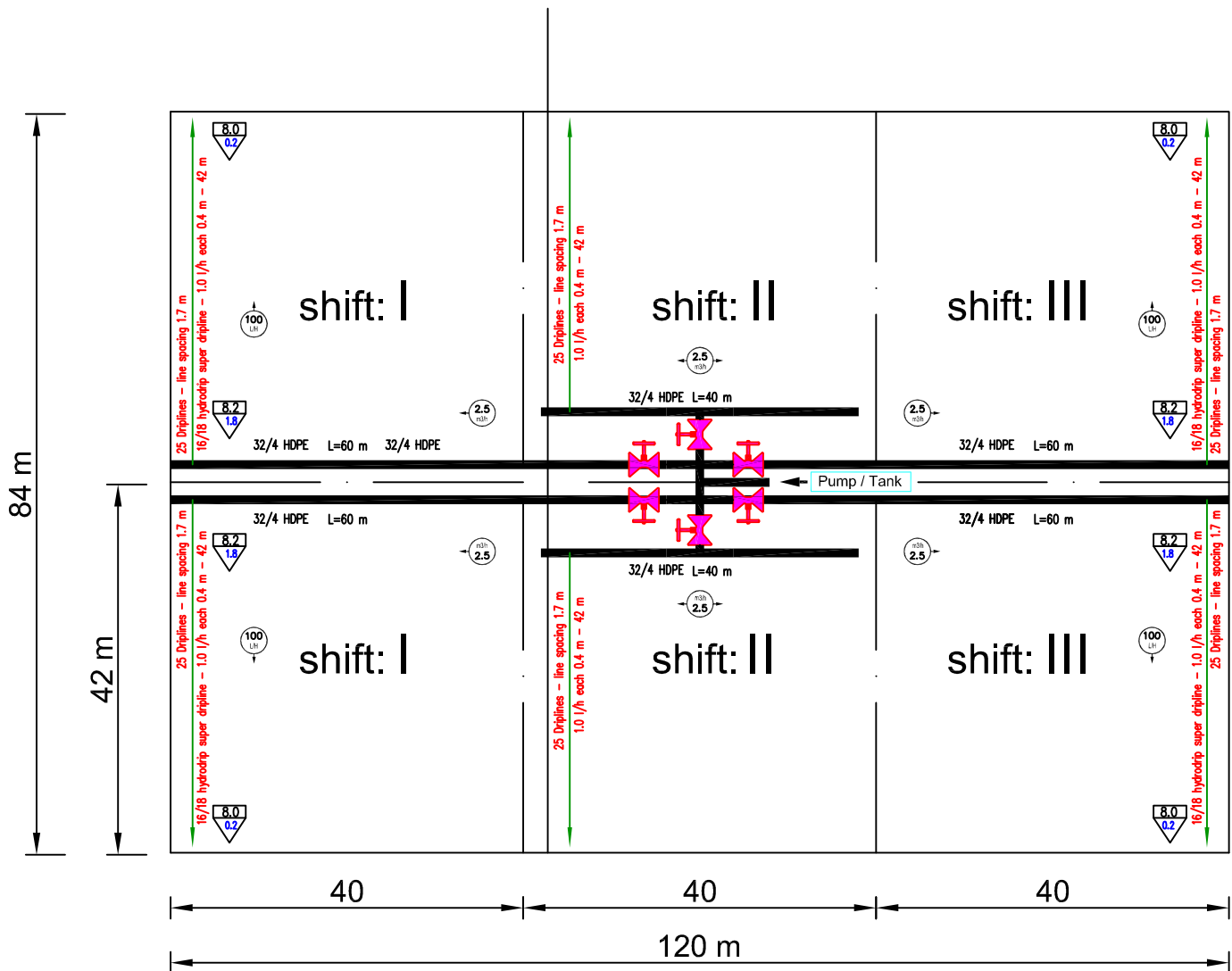


# Drip irrigation complete kit, ready to install - DIY

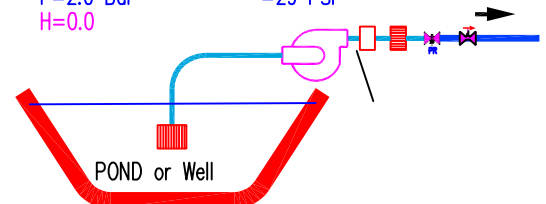
## Covers 1.0 hectare = 2.5 Acres



<b>Program:</b>	
1.0 l/h dripper each 0.4 m	
Distance between driplines 1.0 to 1.7 m	
Dripping rate 2.5 to 1.6 mm/h	
Irrigation Shifts: 2 ( any 2 valves in each shift)	
Irrigation time per shift: 1.5 to 2.5 Hours per day	
Flowrate per Shift: 2.5 x 2 = 5.0 M3/H	
Filtration: 140 mesh 1 1/2" Super screen filter	
Needed pressure at the lot entrance: 1.0 Bar (10 m)	
Needed pressure at the end of pump 2.0 Bar (20 m)	

<b>PUMP calculations</b>	
Needed pressure lot entrance	10.0 m
Local head losses	2.5 m
Filtration unit	5.0 m
Optional fertigation	2.5 m
Topography	?
Needed pressure at pump outlet	20 m = 2.0 Bar

Pump flow rate = 5 M<sup>3</sup>/H = 22 GPM  
 P = 2.0 Bar = 29 PSI  
 H = 0.0



### Kit coverage:

Crop: Vegetables, Flowers and othe field crops		
Total Dripline length	6000 m	19,670'
Covered Area	1.0 Ha. = 10,000 M <sup>2</sup>	2.5 Acres
Distance between crop rows	1.0 to 1.7 m	40" to 67"

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