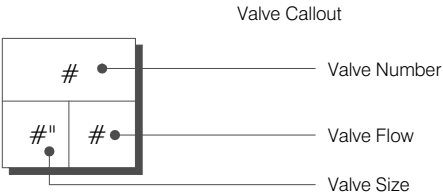


IRRIGATION SCHEDULE				
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	60	30	
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	54	30	
	Rain Bird 1800-PA-S-PRS 15 Strip Series Shrub Spray on fixed riser with the PA-S-PRS Pressure Regulating Shrub Adapter. Use with 1/2" MPT threaded risers.	41	30	
	Rain Bird 1800-PA-S-PRS ADJ Shrub Spray on fixed riser with the PA-S-PRS Pressure Regulating Shrub Adapter. Use with 1/2" MPT threaded risers.	2	30	
	Rain Bird 1800-5 Series Stream Stream Bubbler on fixed riser.	63	15	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY		DETAIL
	Rain Bird PEB-PRS-D 1-1/2" 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulator Module.	5		
	Rain Bird PEB-PRS-D 2" 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulator Module.	7		
	Febco 825Y 1-1/4" Reduced Pressure Backflow Preventer	1		
	Rain Bird ESPLXME2P w/ (1) ESPLXMSM12 24 Station, Traditionally-Wired, PRO Smart, Commercial Controller. (1) ESPLXME2P 12-Station, PRO Smart, (Module Included) Indoor/Outdoor, Plastic Wall-Mount Enclosure w/ (1) ESPLXMSM12 - 12-Station Expansion Modules.	1		
	Rain Bird RSD-BEX (2) Rain Sensor, with metal latching bracket, extension wire.	1		
	Water Meter 1-1/4" 1-1/4" METER	1		
	Irrigation Lateral Line: PVC Schedule 40 1/2"	1,110 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 3/4"	666.4 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1"	568.3 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	696.6 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1 1/2"	229.9 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 2"	257.2 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1"	8.1 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1 1/4"	406.3 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1 1/2"	147.9 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 2"	119.0 l.f.		
	Pipe Sleeve: PVC Schedule 40	3.5 l.f.		
	Pipe Sleeve: PVC Schedule 40 2"	65.4 l.f.		
	Pipe Sleeve: PVC Schedule 40 2 1/2"	260.9 l.f.		



CRITICAL ANALYSIS

Generated: 2024-04-09 17:38

P.O.C. NUMBER: 01
Water Source Information: 1-1/4" METER

FLOW AVAILABLE
Water Meter Size: 1-1/4"
Flow Available: 34.2 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 60 PSI
Elevation Change: 5.00 ft
Service Line Size: 1 1/4"
Length of Service Line: 20 ft
Pressure Available: 57 PSI

DESIGN ANALYSIS
Maximum Station Flow: 34.5 GPM
Flow Available at POC: 34.2 GPM
Residual Flow Available: -0.3 GPM

Critical Station: 3
Design Pressure: 30 PSI
Friction Loss: 2.68 PSI
Fittings Loss: 0.27 PSI
Elevation Loss: 0 PSI
Loss through Valve: 4.9 PSI
Pressure Req. at Critical Station: 37.7 PSI
Loss for Fittings: 0 PSI
Loss for Main Line: 4.45 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 8.82 PSI
Loss for Water Meter: 2.37 PSI
Critical Station Pressure at POC: 53.4 PSI
Pressure Available: 57 PSI
Residual Pressure Available: 3.62 PSI

SLEEVING SCHEDULE

PIPE SIZE	SLEEVING PIPE SIZE
3/4"	2"
1"	2"
1-1/4"	3"
1-1/2"	3"
2"	4"
3"	6"
4"	8"
6"	12"
8"	16"

PROJECT NAME & LOCATION:
THERMOSET ROOFING
500 NW 12TH AVENUE
POMPANO BEACH, FLORIDA

DISTRIBUTION:	DATE:

DRAWING NAME:
**IRRIGATION
PLAN AND
SCHEDULE**

DRAWING NUMBER:
DL-300
PZ24-12000009
5/15/2024