

LEGEND

●●●●●	570Z-4P	8-MPR SERIES	TORO FIXED SPRAY POP-UP (4')
■	570Z-4P	10-MPR SERIES	TORO FIXED SPRAY POP-UP (4')
●●●●●	570Z-4P	12-MPR SERIES	TORO FIXED SPRAY POP-UP (4')
▼▼▼▼▼	570Z-4P	15-MPR SERIES	TORO FIXED SPRAY POP-UP (4')
○●●●○	570Z-12P	5-MPR SERIES	TORO FIXED SPRAY POP-UP (12')
●●●●●	570Z-12P	8-MPR SERIES	TORO FIXED SPRAY POP-UP (12')
●●●●●	570Z-12P	10-MPR SERIES	TORO FIXED SPRAY POP-UP (12')
●●●●●	570Z-12P	12-MPR SERIES	TORO FIXED SPRAY POP-UP (12')
●●●●●	570Z-12P	15-MPR SERIES	TORO FIXED SPRAY POP-UP (12')
●	570Z-12P	TVAN-15 NOZZLE	TORO FIXED SPRAY POP-UP (12')
●	T5PCK-R5 (PIC)	#1.5 LOW ANGLE NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP
●	T5PCK-R5 (PIC)	#3.0 LOW ANGLE NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP
●	T5PCK-R5 (PIC)	#3.0 NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP
●	T5PCK-R5 (PIC)	#6.0 NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP
○●	474-00		TORO 1" QUICK COUPLER VALVE W/2 KEYS AND HOSE SWIVELS
●	EZF-26-04		TORO 1" ELECTRIC VALVE
●	P220-26-06		TORO 1-1/2" ELECTRIC VALVE
□	CCP24	24 STATION	TORO COMMAND COMMAND CONTROLLER W/TWINS RAIN SWITCH

—	PVC 1 60# PIPE (ALL PIPE 1-1/2" AND LARGER)
—	1 00# POLYETHYLENE PIPE (PE-3406 NSF APPROVED) (ALL PIPE DOWNSTREAM OF VALVE 1-1/4" AND SMALLER EXCEPT FOR DRIP PIPE)

NOT SHOWN #14 UL APPROVED 24V RED CONTROL WIRE WITH A #14 UL APPROVED WHITE COMMON WIRE

● POINT OF CONNECTION (P.O.C.)

▶ 2" REDUCED PRESSURE BACKFLOW PREVENTER

NOT SHOWN 2615DK-12PG

----- TLCV4-1800X

----- TLCVXXX

NOT SHOWN PRV075LF42V2K

NOT SHOWN DF075-140

NOT SHOWN TLOS0MPV-1

NOT SHOWN 10-F-01

NOT SHOWN 2615DK-12PG

BUCKNER 3/4" IMPACT SPRINKLER (PROVIDE TWO TO OWNER)

NETAFIM .4 GPH CV DRIP PIPE

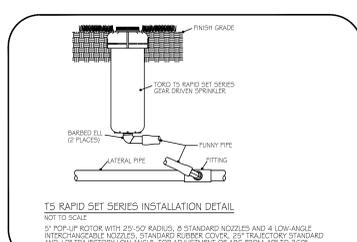
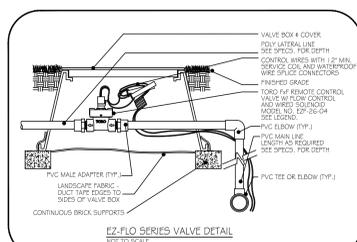
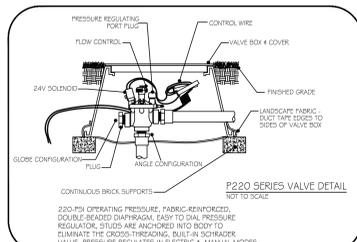
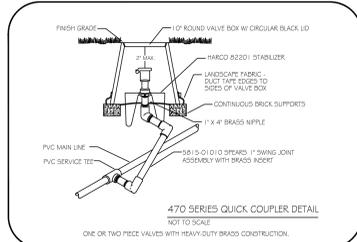
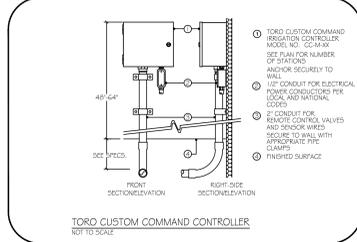
NETAFIM CV BLANK TUBING (AS SUPPLY & EXHAUST HEADERS)

NETAFIM 3/4" PRESSURE REGULATOR

NETAFIM 3/4" FILTER

NETAFIM LINE-FLUSHING VALVE

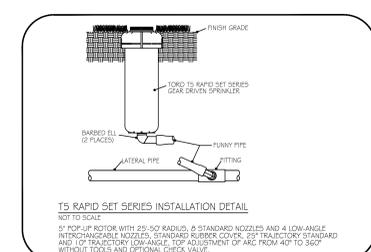
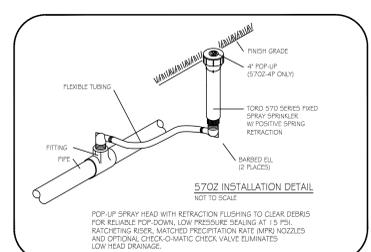
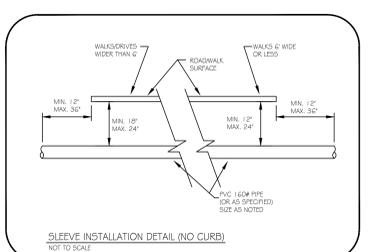
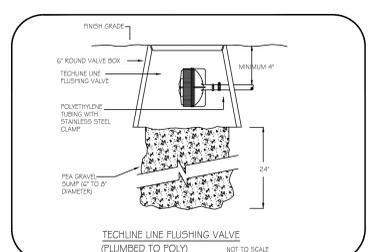
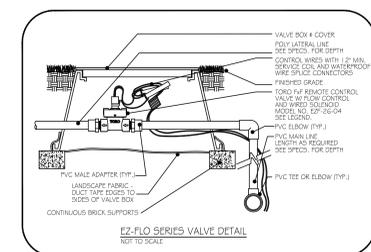
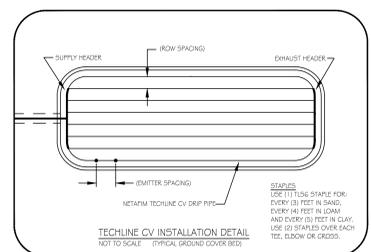
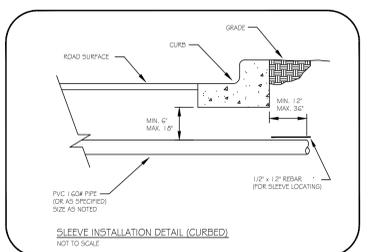
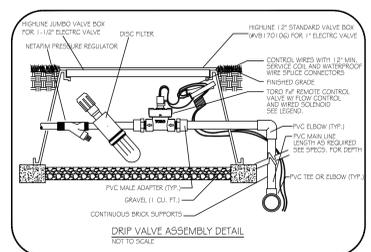
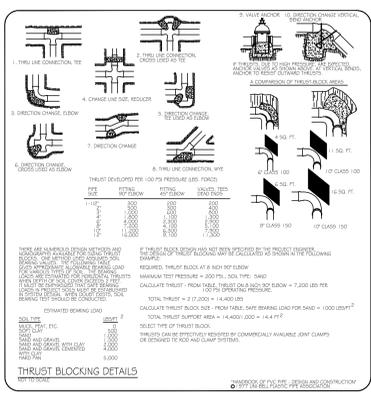
NETAFIM OPERATION FLAG



- ### GENERAL NOTES:
- COORDINATE THIS WORK WITH ALL OTHER TRADES.
 - ALL PLUMBING AND ELECTRICAL SHALL BE INSTALLED ACCORDING TO STATE AND LOCAL CODES.
 - ALL SLEEVES SHALL BE 4" PVC 160# (UNLESS OTHERWISE SPECIFIED). SLEEVE INSTALLATION SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.
 - ALL PIPE NOT SIZED DOWNSTREAM OF VALVE IS 1" EXCEPT DRIP PIPE.
 - IRRIGATION CONTRACTOR'S POINT OF CONNECTION SHALL BE ON A 2" TYPE K COPPER PIPE STUBBED OUTSIDE OF THE BUILDING AT THE LOCATION SHOWN.
 - 115V POWER INTO CONTROLLER SHALL BE SUPPLIED BY ELECTRICAL CONTRACTOR.
 - CONTROLLER AND RAINSWITCH SHALL BE MOUNTED AT LOCATION SHOWN ON PLAN (VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE).
 - IRRIGATION CONTRACTOR SHALL ADJUST THE FLOW CONTROL FEATURE ON ALL ELECTRIC VALVES PER THE MANUFACTURER'S RECOMMENDATIONS TO MAXIMIZE THE VALVES PERFORMANCE AND LONGEVITY.
 - IF SITE PRESSURE IS NOT ADEQUATE, A BOOSTER PUMP AND RELATED EQUIPMENT MAY BE REQUIRED AT ADDITIONAL COST TO OWNER.
 - IRRIGATION PIPE AND EQUIPMENT SHOWN IN PAVED AREAS IS FOR CLARITY ONLY AND SHALL BE INSTALLED WITHIN THE TURF & LANDSCAPE AREAS.
 - PIPE ROUTING IS DIAGRAMMATIC. ALL EQUIPMENT AND PIPE ARE TO BE FIELD ADJUSTED TO TAKE INTO CONSIDERATION ANY OBSTRUCTIONS AND ALL LANDSCAPE.
- WATER REQUIREMENTS: 50 GPM @ 40 PSI AT THE IRRIGATION CONTRACTOR'S P.O.C.

ZONE NUMBER	VALVE SIZE	GPM	ZONE TYPE
1-1	1-1/2"	34	TURF ROTORS
1-2	1"	14	TURF ROTORS
1-3	1-1/2"	45	TURF SPRAYS
1-4	1-1/2"	33	TURF ROTORS
1-5	1-1/2"	31	TURF ROTORS
1-6	1-1/2"	36	TURF ROTORS
1-7	1-1/2"	34	TURF ROTORS
1-8	1"	18	TURF ROTORS
1-9	1"	20	TURF SPRAYS
1-10	1"	27	TURF ROTORS
1-11	1-1/2"	46	TURF ROTORS
1-12	1-1/2"	45	TURF ROTORS
1-13	1-1/2"	50	TURF ROTORS
1-14	1-1/2"	40	LANDSCAPE SPRAYS
1-15	1"	3	LANDSCAPE DRIP
1-16	1-1/2"	42	TURF ROTORS
1-17	1-1/2"	43	TURF ROTORS
1-18	1-1/2"	39	TURF ROTORS

CONTROLLER NUMBER
SYMBOL (11)
STATION NUMBER



DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] DATE: [Date]
 DRAWN BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] DATE: [Date]

PORTAGE PUBLIC SCHOOLS
 CENTRAL MIDDLE SCHOOL
 PORTAGE, KALAMAZOO COUNTY, MI

IRRIGATION PLAN AND DETAILS

REVISIONS
 CONSTRUCTION 2018.01.18
 SCALE: AS SHOWN
 PROJ. #: 160017
 DATE: 2018.01.18
 SHEET
 L-201