



BIRDSEYE VIEW
SCALE: 1/8" = 1'-0" +/-

SECTION A-A
SCALE: 1/8" = 1'-0" +/-

SECTION B-B
SCALE: 1/4" = 1'-0" +/-

VIEWS ARE NOT TO SCALE. SOME VIEWS HAVE TRANSPARENT ITEMS FOR BETTER VIEW

ISOMETRIC VIEW - SPRINKLER SYSTEM
NOT TO SCALE

BEARING AREAS EACH DIRECTION OF THRUST IN SQUARE FEET

PIPE SIZE	TEES & BRANCHES	90° ELBOW	45° ELBOW CROSSIES IN DIRECTION OF FLOW	20-45° ELBOW
4"	4.0	6.5	3.5	3.0
6"	7.0	8.5	5.0	3.5
8"	8.5	10.0	7.0	4.5
10"	10.0	12.0	8.5	5.5
12"	12.0	14.0	10.0	6.5
14"	14.0	16.0	11.5	7.5
16"	16.0	18.0	13.0	8.5

MAXIMUM SPACING BETWEEN HANGERS (FT. IN.) AS PER NFPA STANDARD TABLE 6-2.2

NOMINAL PIPE SIZE	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"	5"	6"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	12'-0"	12'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"
THREADED LIGHTWALL STEEL PIPE	12'-0"	12'-0"	15'-0"	12'-0"	12'-0"	N.A.	N.A.	N.A.	N.A.	
COPPER TUBE	8'-0"	10'-0"	10'-0"	12'-0"	12'-0"	12'-0"	15'-0"	15'-0"	15'-0"	15'-0"

BUILDING DESIGN BY:
State of Vermont
Agency of Transportation
IMPROVEMENT BRIDGE PROJECT
TOWN OF BRATTLEBORO - WINDHAM COUNTY
ROUTE NO. TH 374, CL 111 BRIDGE NO. 30
PROJECT MANAGER: J. WEAVER

SPRINKLER DESIGN BY:
Chapin Consulting & Design
Terrence E. Chapin, SET
For Professional Seals, Engineering, Consulting & Training
CHAPIN CONSULTING & DESIGN
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SPRINKLER CONTRACTOR
SOUTHERN VERMONT SPRINKLER SERVICES INC.
Design Installation Service
118 Birge Street
Brattleboro, VT 05301
802-254-2242 Fax 802-257-0670

PROJECT NAME
CREAMERY COVERED BRIDGE
Bridge # 30 - Western Ave.
Brattleboro, Vermont 05301
Owner: Town of Brattleboro

SPRINKLER PIPING Specifications & Details
PERMIT NO.
CONTRACT NO. ToB-CB-11-06
APPROVAL VT Dept. of Trans & FD
DESIGNER T.E. Chapin, SET
SCALE 1/4" = 1'-0"
DATE 11/17/2006
DRAWN BY JFW
PLOTTER FP2 of 2

Special Notes:
All information and design is based on plans and information provided by Owner, SVSSI and information gathered during site visit.
Purpose of design is for placement and hydraulic calculations of the sprinkler system. This drawing has not been field verified and should be checked for accuracy and routing of the sprinkler system prior to fabrication and installation.
Refer to Manufacturer's specifications and listing for all installation of sprinkler heads.
All sprinklers to be installed with the Manufacturer's approved head wrench.
Care is to be given to the handling and storage of all sprinkler heads.
Pipe Joint Compound and teflon tape to be applied to male threads only.
Refer to specifications and details for the installation of the Automatic Sprinkler System and all components.
All equipment to be UL & FM Listed and installed per Manufacturer's Listing and Specifications.
System installation to conform to NFPA 13 for placement and installation of sprinkler system, but is a non automatic system and will meet no other requirements.

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