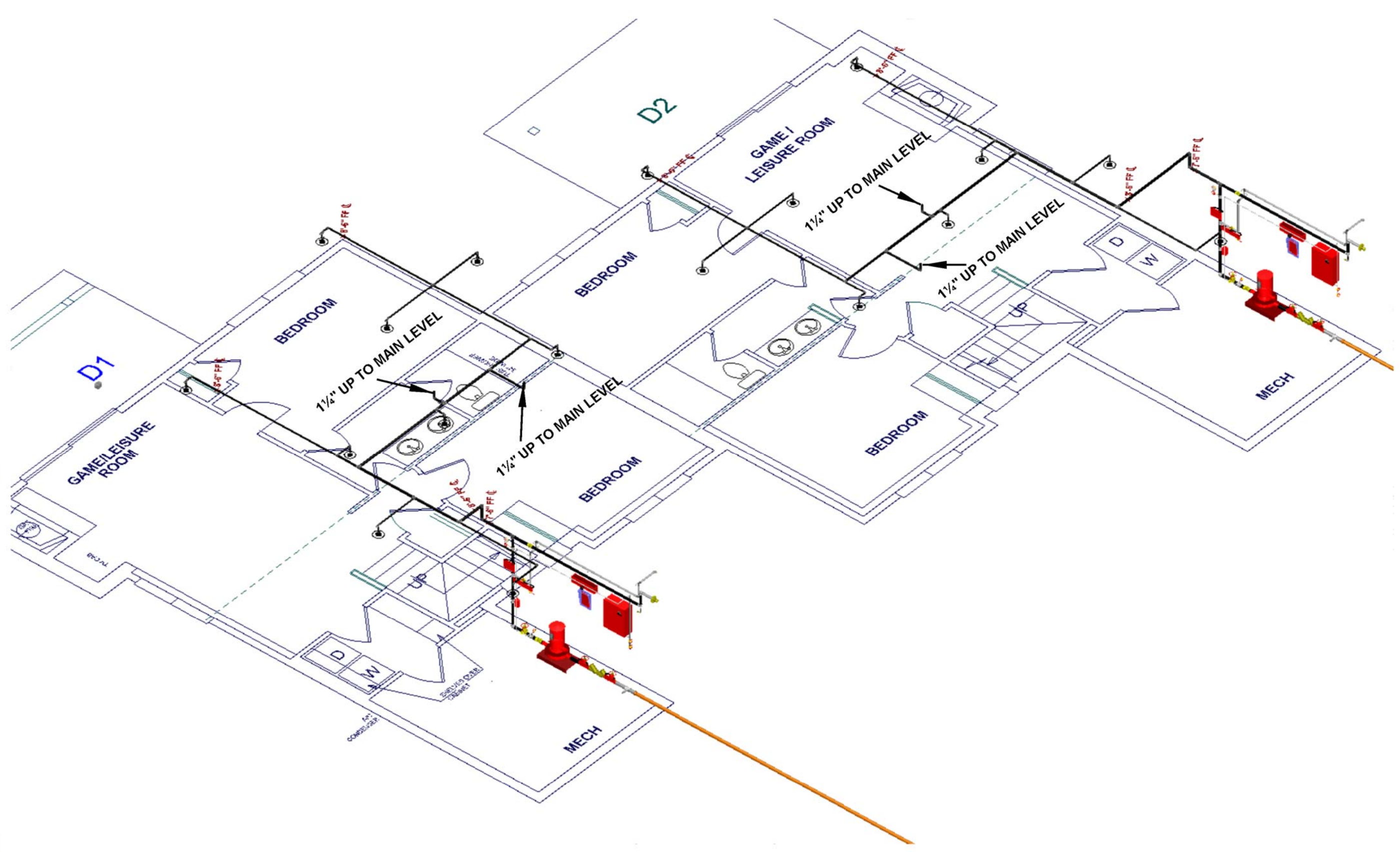
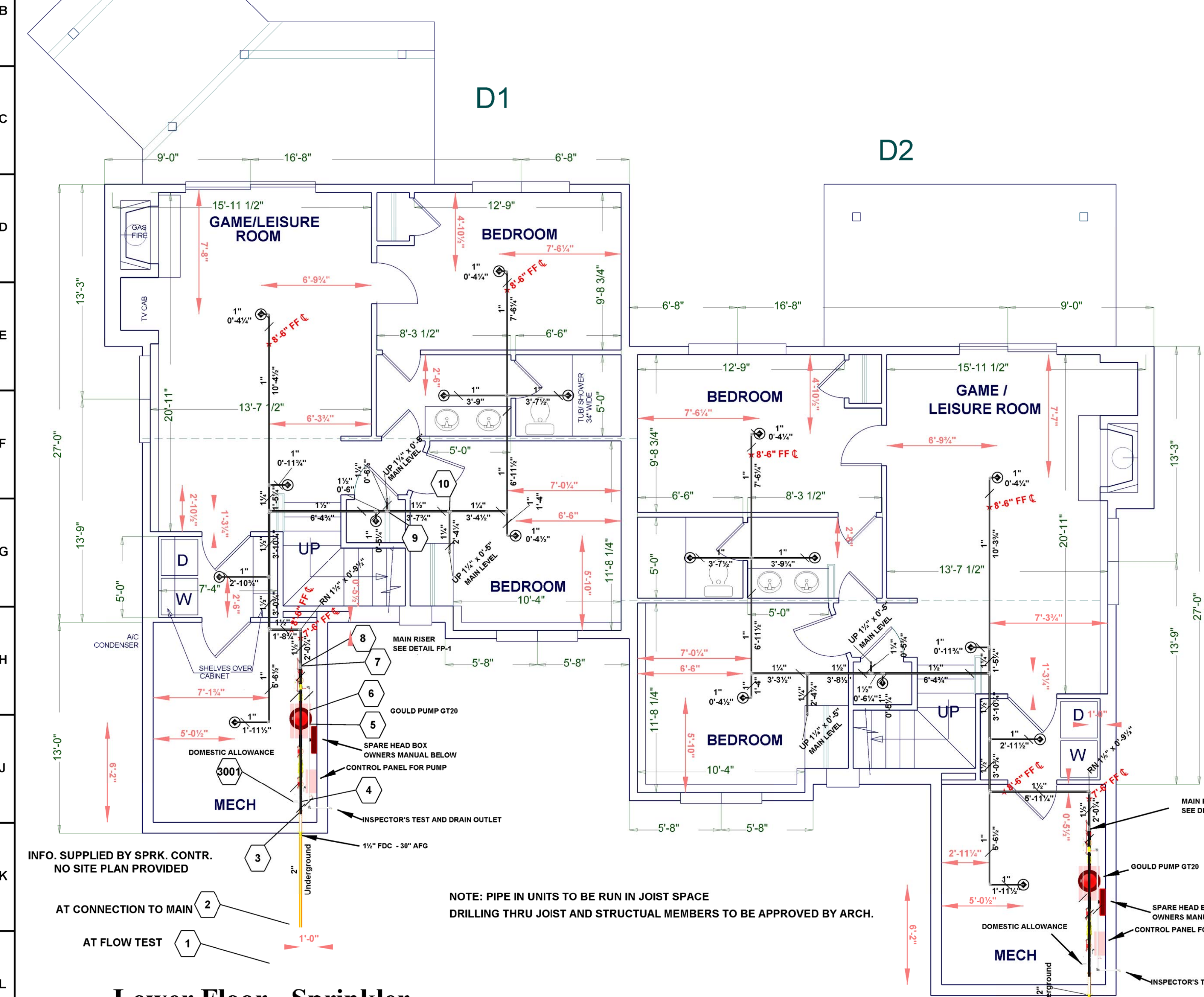


SPRINKLER HEADS PER UNIT ON THIS PLAN									
Symbol	Manufacturer	SIN/Model	Quantity	K-Factor	Type	Orifice Size	Finish	Temperature	Note
⊙	Viking Corporation	VK430	9	4.3	Pendent	1/2"	White	155°F	W/ E-1 White Escutcheon
			Total = 9						

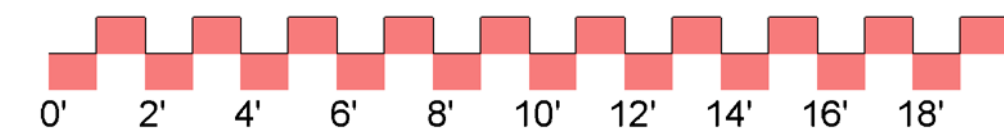


Isometric View Lower Floor - Sprinkler

not to scale

Lower Floor - Sprinkler

SCALE: 1/4" = 1'-0"



Special Notes:
 All information and design is based on plans and information provided by Owner, SFPI. 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 Manufacturers specifications and listing for all installation of sprinkler heads. All sprinklers to be installed with the Manufacturers 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 Manufacturers Listing and Specifications. System installation to conform to NFPA 13d - Occupancy - Residential

THIS PLAN IS THE PROPERTY OF CHAPIN CONSULTING & DESIGN
 THIS DRAWING IS THE PROPERTY OF CHAPIN CONSULTING & DESIGN. IT IS NOT TO BE REPRODUCED, ALTERED, DISCLOSED TO OTHERS OR OTHERWISE USED IN ANY MANNER EXCEPT AS AUTHORIZED IN WRITING BY CHAPIN CONSULTING & DESIGN. UPON COMPLETION OF USE, PLANS & RELATED ITEMS ARE TO BE RETURNED TO CHAPIN CONSULTING & DESIGN AND/OR AUTHORIZED CONTRACTOR OR CONSUMER AS PER AGREEMENT OR CONTRACT.

MISTY POND DESIGN
 RICHARD C. WALSH
 BRIDGEWATER CORNERS, VERMONT
 802-672-4204 mistypnd@vermontel.net

SPRINKLER DESIGN BY:
 CHAPIN CONSULTING & DESIGN
 SINCE 69
 212 WEST RIVER ROAD - BRATTLEBORO, VT 05301
 802-257-5889 FAX 802-257-0121
 email: chapin_design@gmail.com

 Terence E. Chapin, SET
 Fire Protection Design, Consulting & Training

Fire Protection Plans:
 FP1Specifications & Details
 FP2Lower Floor Sprinkler System
 FP3Main Floor Sprinkler System & Views
 FP4Upper Floor Sprinkler System & Views

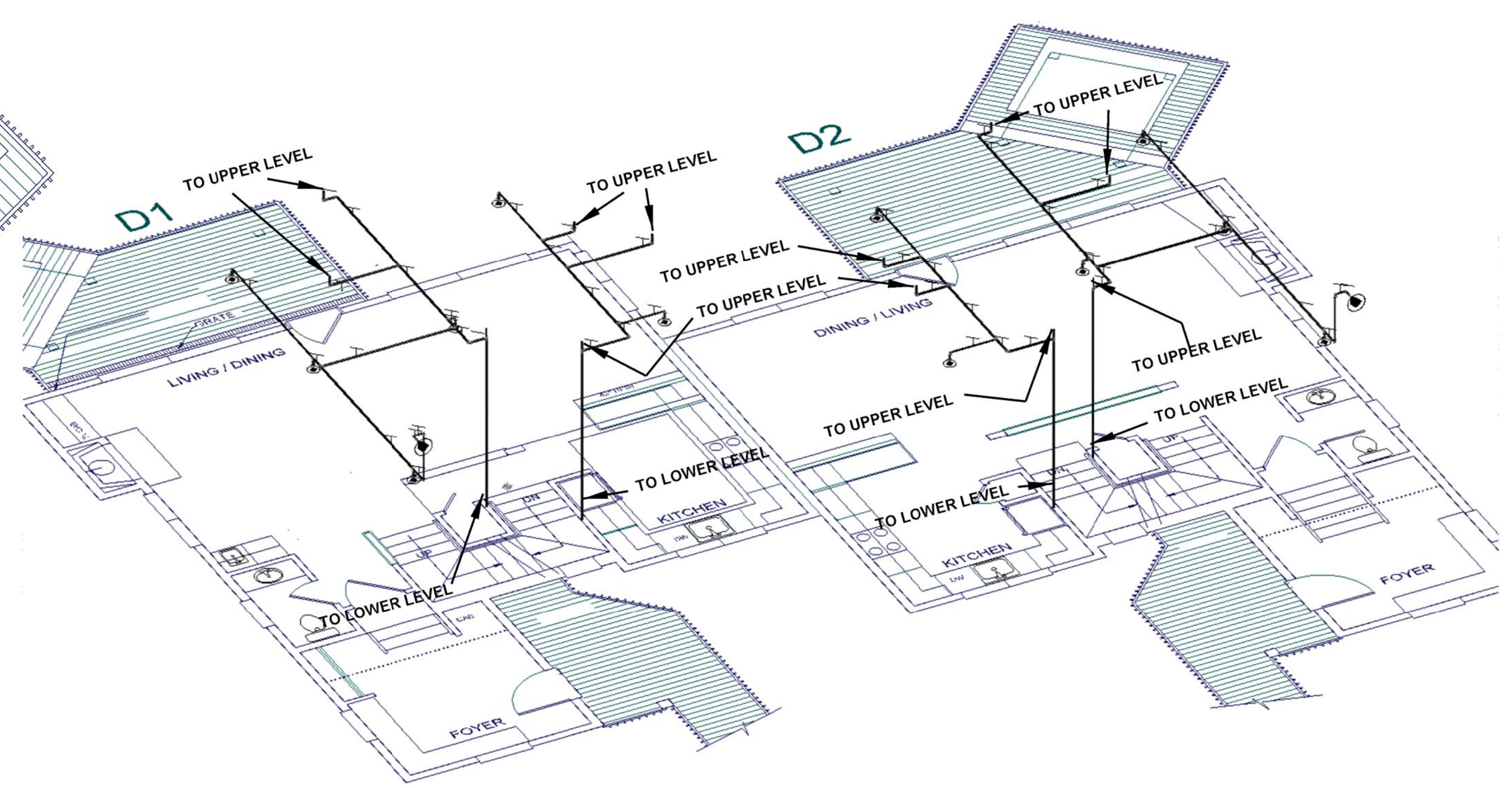
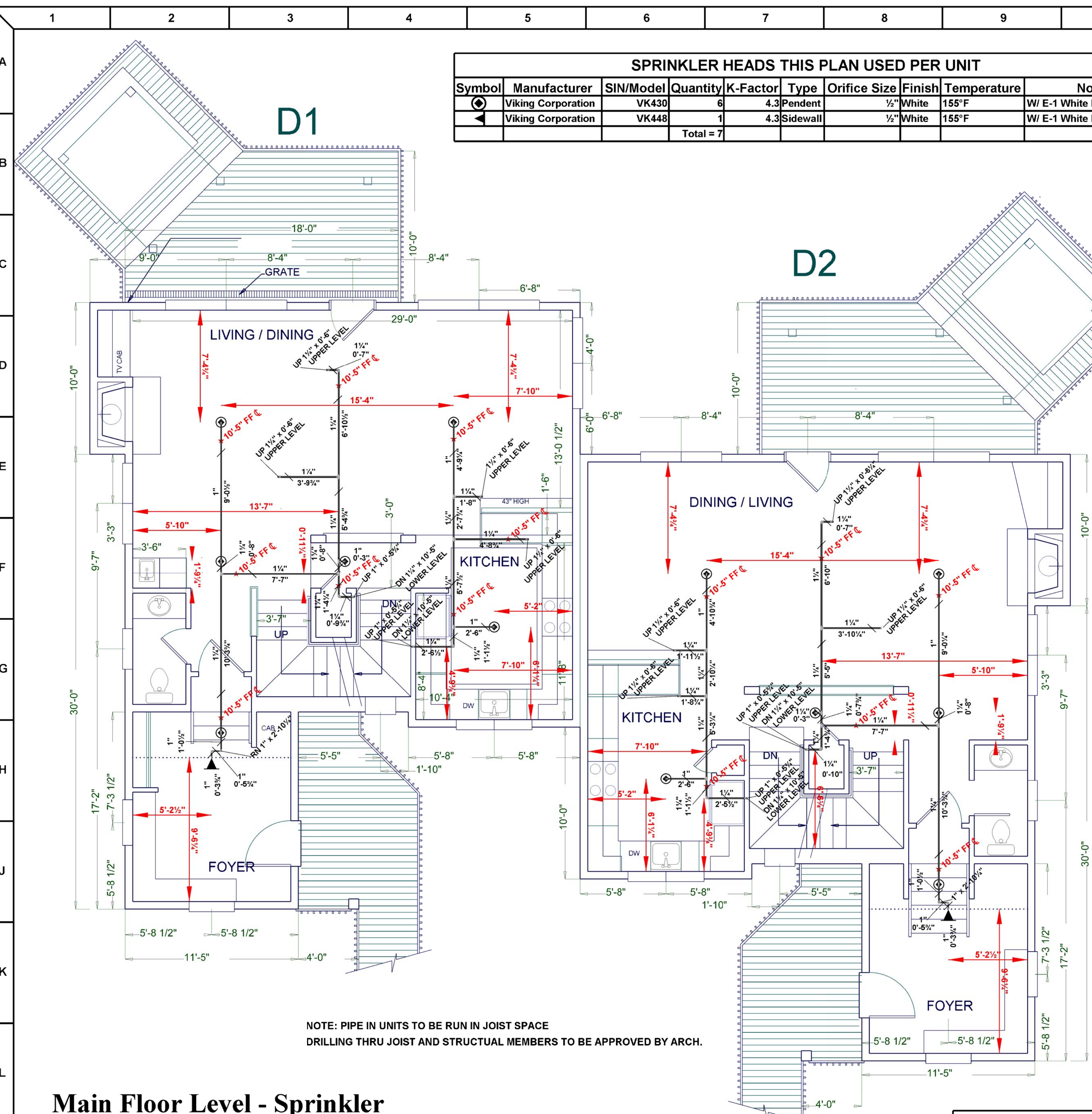
NEW DUPLEX BUILDING -D
 WINTERPLACE C. O. A.
 WINTERPLACE AT OKEMO
 LUDLOW, VERMONT

REVISIONS				NOTES	
NUMBER	DATE	DESCRIPTION	BY	#	

SQUIERS FIRE PROTECTION, INC.
 24 - Hour Emergency Service
 485 Hinesburg Road West Brattleboro, VT 05301
 John Squiers, Pres. Lic. #T3-148
 Phone / Fax (802) 258-9111
 Cell # 380-4112

FIRE PROTECTION SYSTEM		PERMIT NO.
LOWER FLOOR PLAN		CONTRACT NO. WAO-9-07
		APPROVAL Fire Prevention
		DESIGNER T.E. Chapin, SET
		SCALE As-noted
		DATE 9/17/2007
		W.O.D. FP2
		FP2 of 4

SPRINKLER HEADS THIS PLAN USED PER UNIT									
Symbol	Manufacturer	SIN/Model	Quantity	K-Factor	Type	Orifice Size	Finish	Temperature	Note
⊙	Viking Corporation	VK430	6	4.3	Pendent	1/2"	White	155°F	W/ E-1 White Escutcheon
◀	Viking Corporation	VK448	1	4.3	Sidewall	1/2"	White	155°F	W/ E-1 White Escutcheon
			Total = 7						



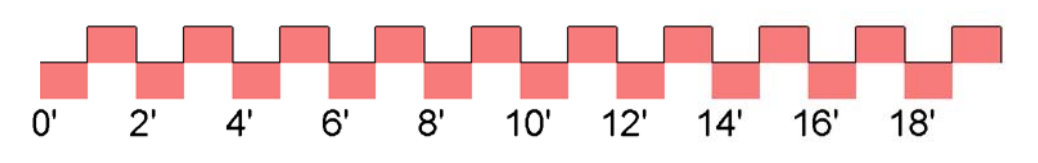
Isometric View Main Floor Level - Sprinkler

NOT TO SCALE

NOTE: PIPE IN UNITS TO BE RUN IN JOIST SPACE
DRILLING THRU JOIST AND STRUCTUAL MEMBERS TO BE APPROVED BY ARCH.

Main Floor Level - Sprinkler

SCALE: 1/4" = 1'-0"



Special Notes:
All information and design is based on plans and information provided by Owner, SFPI
Purpose of design is for placement and hydraulic calculations of the sprinkler system.
This drawing has not been field verified should be checked for accuracy and routing of the sprinkler system prior to fabrication and installation.
Refer to Manufacturers specifications and listing for all installation of sprinkler heads.
All sprinklers to be installed with the Manufacturers 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 Manufacturers Listing and Specifications.
System installation to conform to NFPA 13d - Occupancy - Residential

THIS PLAN IS THE PROPERTY OF CHAPIN CONSULTING & DESIGN
THIS DRAWING IS THE PROPERTY OF CHAPIN CONSULTING & DESIGN. IT IS NOT TO BE REPRODUCED, ALTERED, DISCLOSED TO OTHERS OR OTHERWISE USED IN ANY MANNER EXCEPT AS AUTHORIZED IN WRITING BY CHAPIN CONSULTING & DESIGN. UPON COMPLETION OF USE, PLANS & RELATED ITEMS ARE TO BE RETURNED TO CHAPIN CONSULTING & DESIGN AND/OR AUTHORIZED CONTRACTOR OR CONSUMER AS PER AGREEMENT OR CONTRACT.

MISTY POND DESIGN
RICHARD C. WALSH
BRIDGEWATER CORNERS, VERMONT
802-672-4204 mistypnd@vermontel.net

SPRINKLER DESIGN BY:
CHAPIN CONSULTING & DESIGN
SINCE 69
212 WEST RIVER ROAD - BRATTLEBORO, VT 05301
802 257-5889 FAX 802 257-0121
email: chapin_design@gmail.com
Terence E. Chapin, SET
Fire Protection Design, Consulting & Training

Fire Protection Plans:
FP1Specifications & Details
FP2Lower Floor Sprinkler System
FP3Main Floor Sprinkler System & Views
FP4Upper Floor Sprinkler System & Views

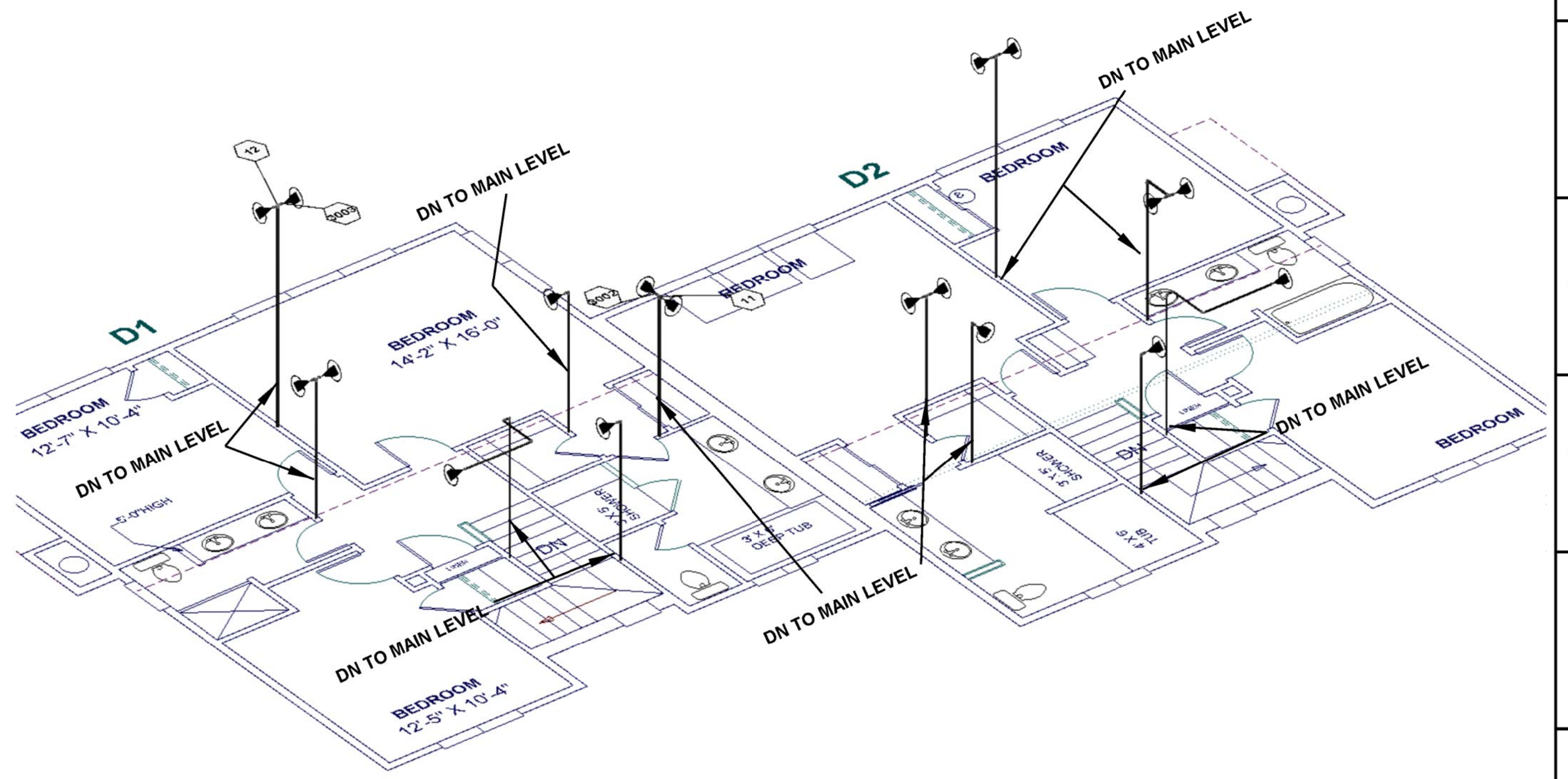
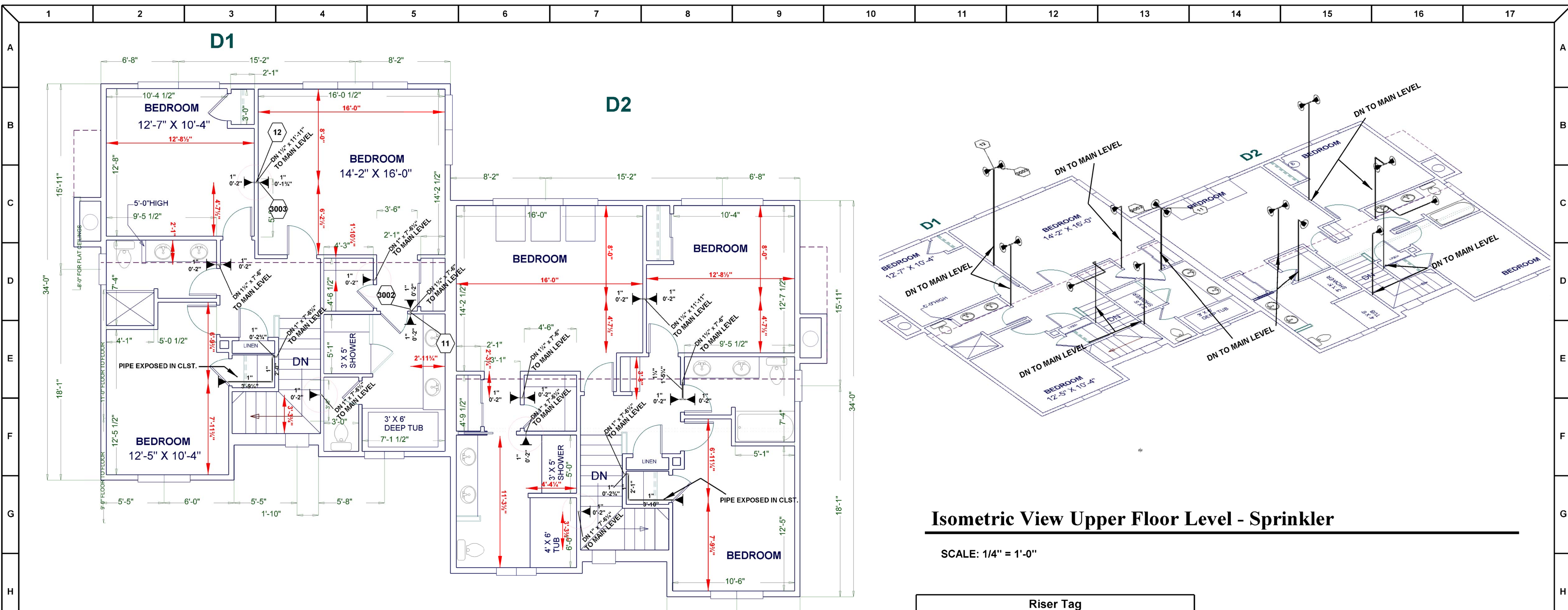
NEW DUPLEX BUILDING -D
WINTERPLACE C. O. A.
WINTERPLACE AT OKEMO
LUDLOW, VERMONT

REVISIONS				NOTES	
NUMBER	DATE	DESCRIPTION	BY	#	

SQUIERS FIRE PROTECTION, INC.
24 - Hour Emergency Service
485 Hinesburg Road West Brattleboro, VT 05301
Phone / Fax (802) 258-9111
Cell # 380-4112
John Squiers, Pres. Lic. #T3-148

FIRE PROTECTION SYSTEM
MAIN FLOOR LEVEL

PERMIT NO.	WAO-D-9-07
CONTRACT NO.	WAO-D-9-07
APPROVAL	Fire Prevention
DESIGNER	T.E. Chapin, SET
SCALE	As-noted
DATE	9/18/2007
WAO D-FPS	FP3 of 4
PLOTTED	

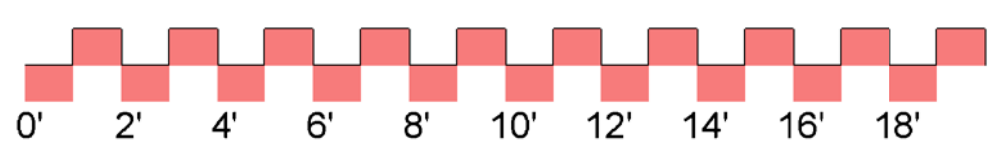


Isometric View Upper Floor Level - Sprinkler

SCALE: 1/4" = 1'-0"

Upper Floor Level - Sprinkler

SCALE: 1/4" = 1'-0"



RISER TAG INFO TO APPEAR ON MAIN RISER

Riser Tag	
Design Basis	
Occupancy:	Manually Calculated
Total Sprinklers:	25
Number Of Sprinklers Calculated:	2
K-Factor:	4.3K
Orifice Size:	0.5"
Design Density:	NA
Average Density	
Area of Application:	NA
Demand at Base Of Riser or Point Of Connection	
Total Demand Flow(gpm):	48.65gpm
Pressure(psi):	53.913psi
Water Supply Information At Time Of Design	
Static Pressure(psi):	20.000psi
Residual Pressure(psi):	18.000psi
Supply Flow(gpm):	797.00gpm
Total Demand Flow(gpm):	173.65gpm
Total Demand Pressure(psi):	15.802psi

SPRINKLER HEADS USED THIS FLOOR PER UNIT									
Symbol	Manufacturer	SIN/Model	Quantity	K-Factor	Type	Orifice Size	Finish	Temperature	Note
◀	Viking Corporation	VK448	9	4.3	Sidewall	1/2"	White	155°F	W/ E-1 White Escutcheon
			Total = 9						

Special Notes:
 All information and design is based on plans and information provided by Owner, SFPI. Purpose of design is for placement and hydraulic calculations of the sprinkler system. This drawing has not been field verified should be checked for accuracy and routing of the sprinkler system prior to fabrication and installation.
 Refer to Manufacturers specifications and listing for all installation of sprinkler heads. All sprinklers to be installed with the Manufacturers 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 Manufacturers Listing and Specifications. System installation to conform to NFPA 13a - Occupancy - Residential

THIS PLAN IS THE PROPERTY OF CHAPIN CONSULTING & DESIGN
 THIS DRAWING IS THE PROPERTY OF CHAPIN CONSULTING & DESIGN. IT IS NOT TO BE REPRODUCED, ALTERED, DISCLOSED TO OTHERS OR OTHERWISE USED IN ANY MANNER EXCEPT AS AUTHORIZED IN WRITING BY CHAPIN CONSULTING & DESIGN. UPON COMPLETION OF USE, PLANS & RELATED ITEMS ARE TO BE RETURNED TO CHAPIN CONSULTING & DESIGN AND/OR AUTHORIZED CONTRACTOR OR CONSUMER AS PER AGREEMENT OR CONTRACT.

Fire Protection Plans:
 FP1 Specifications & Details
 FP2 Lower Floor Sprinkler System
 FP3 Main Floor Sprinkler System & Views
 FP4 Upper Floor Sprinkler System & Views

MISTY POND DESIGN
 RICHARD C. WALSH
 BRIDGEWATER CORNERS, VERMONT
 802-672-4204 mistypnd@vermontel.net

SPRINKLER DESIGN BY:
 CHAPIN CONSULTING & DESIGN
 SINCE 69
 212 WEST RIVER ROAD - BRATTLEBORO, VT 05301
 802-257-5889 FAX 802-257-0121
 email: chapin_design@gmail.com

 Terence E. Chapin, SET
 Fire Protection Design, Consulting & Training

NEW DUPLEX BUILDING - D
 WINTERPLACE C. O. A.
 WINTERPLACE AT OKEMO
 LUDLOW, VERMONT

REVISIONS					NOTES	
NUMBER	DATE	DESCRIPTION	BY	#		

SQUIERS FIRE PROTECTION, INC.
 24 - Hour Emergency Service
 485 Hinesburg Road West Brattleboro, VT 05301
 Phone / Fax (802) 258-9111 Cell # 380-4112
 John Squiers, Pres. Lic. #T3-148

FIRE PROTECTION SYSTEM BASEMENT LEVEL	
PERMIT NO.	WAO-D-9-07
CONTRACT NO.	WAO-D-9-07
APPROVAL	Fire Prevention
DESIGNER	T.E. Chapin, SET
SCALE	As-noted
DATE	9/18/2007
WAO-D-FP4	FP4 of 4
PLOTTED	