

				F	11SER E			LI2					
ITEM	QTY.	SIZE	DESC	RIPTION					MANUF	ACTUR	ER	MODEL	#
1	3	1.25"	SPRIN	IG CHECK	VALVE				NIBCO			T-480	
2	3	1.25"	BUTT	ERBALL C	ONTROL VALVE	WITH TAMP	PER		MILWA	UKEE		BB-SCS0) 2
3	3	1.25"	RISEF		D INCLUDING:				AGF			8111R	
4	3	12 HEAD	PRES	SURE GAU E HEAD C	IDICATOR, MAIN JGE, 4.9K INSPE ABINET CONTA SPRINKLERS &	ECTORS TES	OLLOWIN	IG:	RELIAB	LE		A-4	
		MANUFACT	URER	TYPE	MODEL	HEAD FINISH	K FACTOR	THREAD	TEMP. RATING	QUANTITY]		
		RELIAB	LE	SSU	F1RES49	WHITE	4.9	1/2"	155°	4	1		
		RELIAB	LE	SSU	F1RES49	WHITE	4.9	1/2"	175°	1			
		RELIAB	LE	SSU	F1FR	BRZ	5.6	1/2"	155°	1			
											-		
		BELIAB			SPRINKLER WR								
										1			
		TELIAD								1]		



1. ALL STEEL PIPE TO BE AS FOLLOWS UNLESS NOTED OTHERWISE:

			S	TEEL PIPE ASTM A - 795 OR BETTER		
PIPE SIZE	SCHEDULE	WALL THICKNESS	INTERNAL DIAMETER	END PREP TYPES ALLOWED	WEIGHT OF WATER / PIPE	CAPACITY IN GALLONS
1	40	0.133	1.049	THREADED, CUT GROOVED, ROLL GROOVED, PLAIN END, POLISHED	2.05	0.044
1 1/4	40	0.140	1.380	THREADED, CUT GROOVED, ROLL GROOVED, PLAIN END, POLISHED	2.92	0.078
1 1/2	FLOW PIPE	0.095	1.710	ROLL GROOVED, POLISHED, PLAIN END (FOR BUTT WELDING)	2.83	0.122
2	FLOW PIPE	0.095	2.185	ROLL GROOVED, POLISHED, PLAIN END (FOR BUTT WELDING)	3.94	0.198
2 1/2	FLOW PIPE	0.086	2.703	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	5.10	0.298
3	FLOW PIPE	0.093	3.314	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	7.18	0.448
4	FLOW PIPE	0.101	4.298	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	11.03	0.758
5	10	0.134	5.295	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	17.300	1.144
6	**	0.134	6.357	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	23.030	1.649
8	**	0.188	8.249	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	40.080	2.78
**	WALL THICK	NESS PER N	NFPA # 13			

2. ALL GROOVED COUPLINGS TO BE RIGID TYPE UNLESS NOTED (| | |) WHICH ARE FLEXIBLE. 3. ALL CPVC PIPE TO BE AS FOLLOWS UNLESS NOTED OTHERWISE:

PIPE SIZE	INTERNAL DIAMETER	WALL THICKNESS	END PREP TYPES ALLOWED	WEIGHT OF WATER / PIPE	CAPACITY IN GALLON
3/4	0.874	0.088	PLAIN END	0.427	0.0312
1	1.101	0.107	PLAIN END	0.674	0.049
1 1/4	1.394	0.133	PLAIN END	1.078	0.079
1 1/2	1.598	0.151	PLAIN END	1.412	0.104
2	2.003	0.186	PLAIN END	2.223	0.163

SCOPE OF WORK

SMITH FIRE SYSTEMS IS PROVIDING A WET PIPE SPRINKLER SYSTEM TO PROTECT THE HEATED INTERIOR OF THE BUILDING. THE TOWN HOME BUILDING WILL HAVE A FIRE SPRINKLER RISER ROOM WITH A 4" SUPPLY FLANGE SUPPLIED FROM BUILDING A BY OTHERS. THE BUILDING WILL BE PROTECTED PER NFPA 13R 2007 AND THE CITY OF SEATTLE.

CLARIFICATIONS

- ALL AREAS PROTECTED BY THE WET SYSTEM MUST BE MAINTAINED BY OTHERS AT A MINIMUM OF 40° F. TO PREVENT FREEZING.
 INSULATION CONTRACTOR TO PROVIDE TENTING OF ATTIC INSULATION OVER THE
- WET SPRINKLER PIPING IN THE ATTIC TO PROTECT THE SYSTEM FROM FREEZING.

EXCLUSIONS

- . PAINTING OR LABELING OF SPRINKLER PIPING.
- ELECTRICAL WIRING OF ANY KIND.
 CENTRAL STATION ALARM EQUIPMENT, WIRING, AND MONITORING. 4. ALL UNDERGROUND WORK.
- 5. FIRESTOPPING.

DESIGN CRITERIA

 $\leftarrow +$

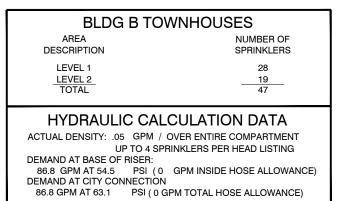
(BR1)

 $\leftarrow \parallel_{104}$

KEY PLAN

RESIDENTIAL AREAS:

PER NFPA 13R - 2007 EDITION. DESIGN DENSITY: .05 GPM/SQ. FT. OVER THE MOST DEMANDING COMPARTMENT UP TO A MAXIMUM OF FOUR SPRINKLERS, AND PER THE LISTING OF THE SPRINKLER HEAD.



-TT

-HXI-<

(BF1)

1 T

(BF2)

BOR ЧН

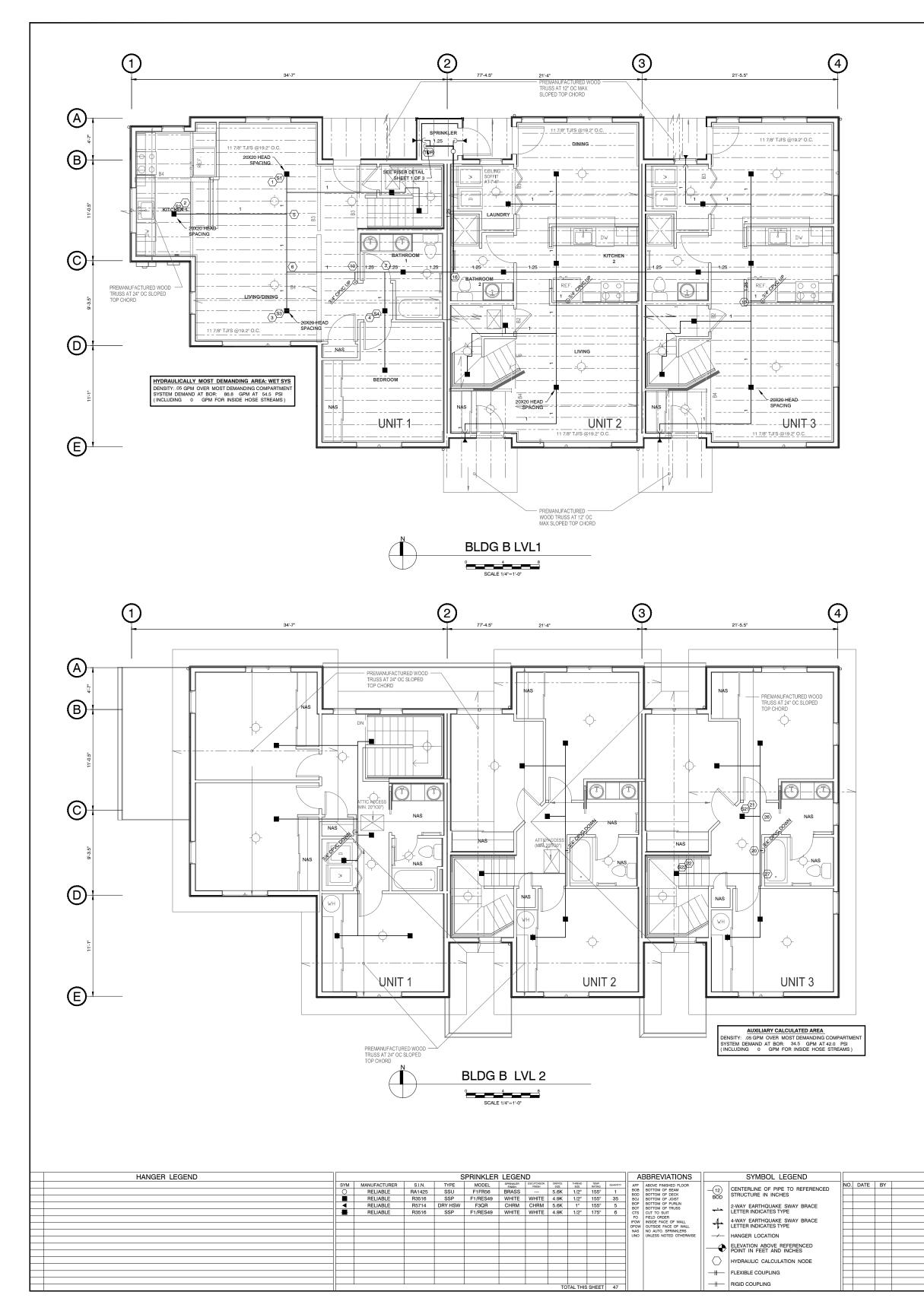
BLDG A RISER DETAIL

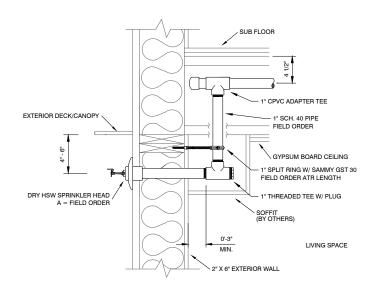
249'-3" LEVEL 2

AS-BUILT SITE PLAN

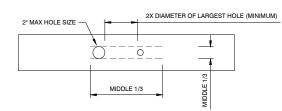


237'-9" LEVEL 1

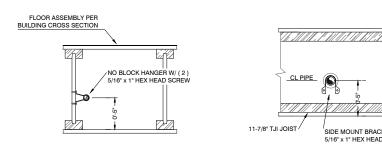


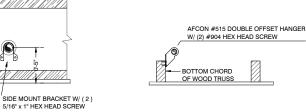


DRY SIDEWALL DETAIL

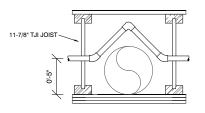


TYP BEAM PEN. DETAIL

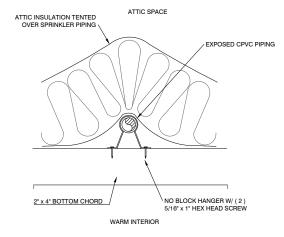




TYPICAL CPVC HANGERS



TYP CPVC OFFSET



INSULATION TENTING DETAIL

FITTER/LISTER NOTES:

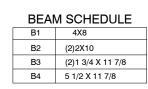
1. ALL CPVC PIPING IS 3/4" U.N.O.

- 2. ALL DROPS ARE TO BE 3/4" CPVC 3. SPRINKLER PIPING IN JOIST SPACES ARE TO BE 5" ABOVE THE BOTTOM OF
- JOIST (ABOJ). THE CENTERLINE OF PIPING IN THE ROOF TRUSS SPACE IS TO BE INSTALLED 2" ABOVE THE TOP OF THE BOTTOM CHORD OF THE TRUSS.
- 4. HANGERS FOR CPVC PIPING ARE NOT SHOWN ON THE PLAN. HANGERS ARE
- REQUIRED WITHIN 6" OF THE SPRINKLER HEAD AT THE END OF THE LINI HANGER SPACING FOR CPVC PIPING IS PER THE MANUFACTURE'S LISTING AS
- FOLLOWS:
- 3/4" CPVC 5'-6" OC 1" CPVC 6'-0" OC
- 1 1/4" CPVC 6'-6" OC
- 1 1/2" CPVC 7'-0" OC 2" CPVC 8'-0" OC
- 5. RELIABLE MODEL F1 RES 49/F1 RESIDENTIAL SPRINKLER SHALL NOT BE SPACED MORE THAN 18 FEET BETWEEN SPRINKLERS OR 9 FEET FROM A WALL OR LESS THAN 8 FEET BETWEEN SPRINKLERS, UNLESS SPECIFICALLY NOTED ON THE DRAWING.
- 6. GENERAL CONTRACTOR IS TO PROVIDE "TENTING" OF INSULATION OVER WET SPRINKLER PIPING IN ATTIC VOID SUCH THAT NO INSULATION IS BETWEEN THE HEATED SPACE AND THE WET SPRINKLER PIPING
- 7. ALL WALLS ARE FULL HEIGHT.
- 8. ALL STELL PIPE IS NOTED BY SIZE AND LENGTH, FOR EXAMPLE:
 1.25

 9. ALL CPVC PIPE IS NOTED BY SIZE ONLY, FOR EXAMPLE:
 3-6

 10. FIRE STOPPING OF WALLS IS BY OTHERS.

 1.25



REVISIONS

REASON FOR REVISION

BLDG B TOWNHOUSE SPRINKLER PLAN

KEY PLAN

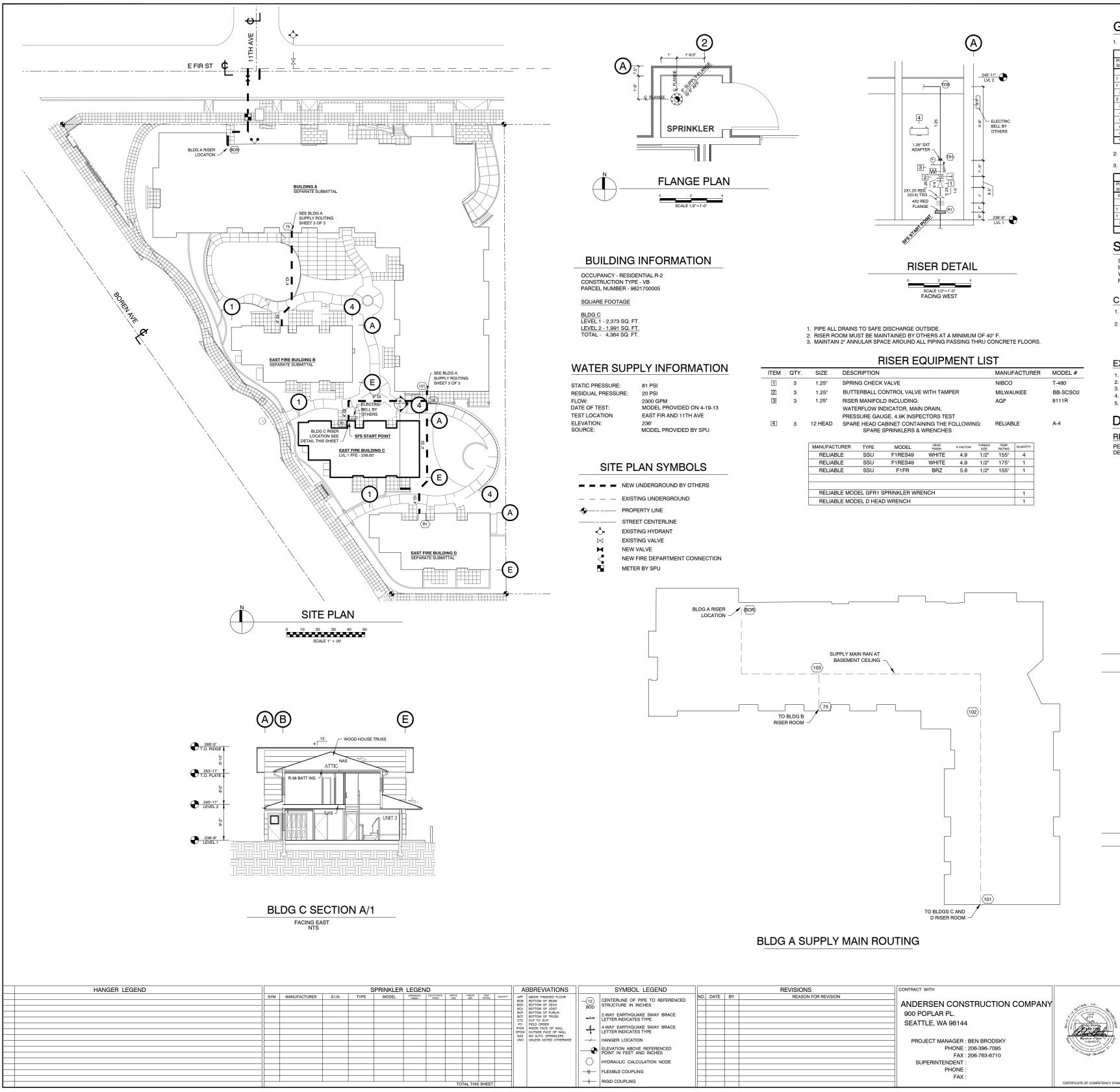
CONTRACT WITH ANDERSEN CONSTRUCTION COMPANY 900 POPLAR PL. SEATTLE, WA 98144

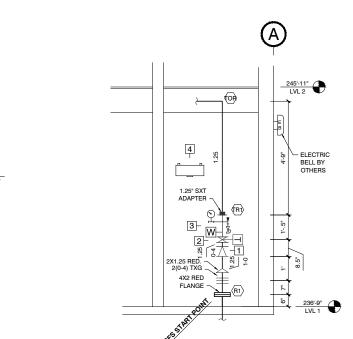
> PROJECT MANAGER : BEN BRODSKY PHONE : 206-396-7095 FAX : 206-763-6710 SUPERINTENDENT : PHONE :

> > FAX :









				RISER E			LIS				
ITEM	QTY.	SIZE	DESCRIPT	ON				MANUF	ACTURE	R	MODEL #
1	3	1.25"	SPRING CH	IECK VALVE				NIBCO			T-480
2	3	1.25"	BUTTERBA	LL CONTROL VAL	VE WITH TAMI	PER		MILWA	UKEE		BB-SCSO2
3	з	1.25"	RISER MAN	IFOLD INCLUDING	à:			AGF			8111R
4	3	12 HEAD	PRESSURE	W INDICATOR, M/ GAUGE, 4.9K INS AD CABINET CONT ARE SPRINKLERS	PECTORS TES	FOLLOWIN	IG:	RELIAB	LE		A-4
		MANUFACTU	RER TYP	E MODEL	HEAD FINISH	K FACTOR	THREAD	TEMP. RATING	QUANTITY		
		RELIABL	E SS	U F1RES49	WHITE	4.9	1/2"	155°	4		
		RELIABL	e ss	U F1RES49	WHITE	4.9	1/2"	175°	1		
		RELIABL	E SS	U F1FR	BRZ	5.6	1/2"	155°	1		
		BELIABL		FR1 SPRINKLER W	BENCH				1		
				HEAD WRENCH	ILENOIT				1		

GENERAL NOTES 1. ALL STEEL PIPE TO BE AS FOLLOWS UNLESS NOTED OTHERWISE:

PIPE SIZE	SCHEDULE	WALL THICKNESS	INTERNAL DIAMETER	END PREP TYPES ALLOWED	WEIGHT OF WATER / PIPE	CAPACITY IN GALLONS
1	40	0.133	1.049	THREADED, CUT GROOVED, ROLL GROOVED, PLAIN END, POLISHED	2.05	0.044
1 1/4	40	0.140	1.380	THREADED, CUT GROOVED, ROLL GROOVED, PLAIN END, POLISHED	2.92	0.078
1 1/2	FLOW PIPE	0.095	1.710	ROLL GROOVED, POLISHED, PLAIN END (FOR BUTT WELDING)	2.83	0.122
2	FLOW PIPE	0.095	2.185	ROLL GROOVED, POLISHED, PLAIN END (FOR BUTT WELDING)	3.94	0.198
2 1/2	FLOW PIPE	0.086	2.703	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	5.10	0.298
3	FLOW PIPE	0.093	3.314	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	7.18	0.448
4	FLOW PIPE	0.101	4.298	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	11.03	0.758
5	10	0.134	5.295	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	17.300	1.144
6	**	0.134	6.357	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	23.030	1.649
8	**	0.188	8.249	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	40.080	2.78

2. ALL GROOVED COUPLINGS TO BE RIGID TYPE UNLESS NOTED (| | |) WHICH ARE FLEXIBLE. 3. ALL CPVC PIPE TO BE AS FOLLOWS UNLESS NOTED OTHERWISE:

PIPE SIZE	INTERNAL DIAMETER	WALL THICKNESS	END PREP TYPES ALLOWED	WEIGHT OF WATER / PIPE	CAPACITY IN GALLONS
3/4	0.874	0.088	PLAIN END	0.427	0.0312
1	1.101	0.107	PLAIN END	0.674	0.0495
1 1/4	1.394	0.133	PLAIN END	1.078	0.0793
1 1/2	1.598	0.151	PLAIN END	1.412	0.1042
2	2.003	0.186	PLAIN END	2.223	0.1637

SCOPE OF WORK

SMITH FIRE SYSTEMS IS PROVIDING A WET PIPE SPRINKLER SYSTEM TO PROTECT THE HEATED INTERIOR OF THE BUILDING. THE TOWN HOME BUILDING WILL HAVE A FIRE SPRINKLER RISER ROOM WITH A 4" SUPPLY FLANGE SUPPLIED FROM BUILDING A BY OTHERS. THE BUILDING WILL BE PROTECTED PER NFPA 13R 2007 AND THE CITY OF SEATTLE.

CLARIFICATIONS

- ALL AREAS PROTECTED BY THE WET SYSTEM MUST BE MAINTAINED BY OTHERS AT A MINIMUM OF 40° F. TO PREVENT FREEZING.
 INSULATION CONTRACTOR TO PROVIDE TENTING OF ATTIC INSULATION OVER THE
- WET SPRINKLER PIPING IN THE ATTIC TO PROTECT THE SYSTEM FROM FREEZING.

EXCLUSIONS

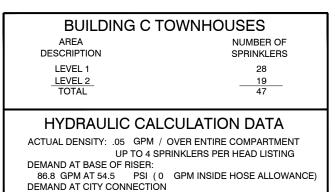
. PAINTING OR LABELING OF SPRINKLER PIPING.

- 2. ELECTRICAL WIRING OF ANY KIND.
 3. CENTRAL STATION ALARM EQUIPMENT, WIRING, AND MONITORING.
- 4. ALL UNDERGROUND WORK.
- 5. FIRESTOPPING.

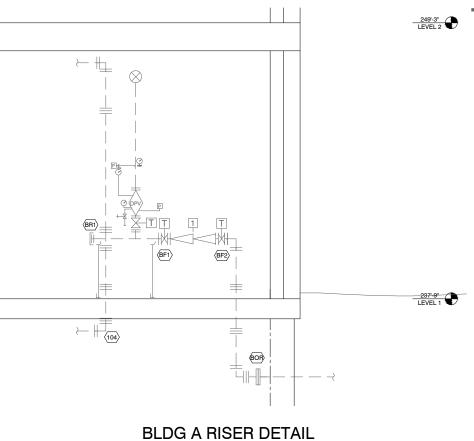
DESIGN CRITERIA

RESIDENTIAL AREAS:

PER NFPA 13R - 2007 EDITION. DESIGN DENSITY: .05 GPM/SQ. FT. OVER THE MOST DEMANDING COMPARTMENT UP TO A MAXIMUM OF FOUR SPRINKLERS, AND PER THE LISTING OF THE SPRINKLER HEAD.



DEMAND AT CITY CONNECTION 86.8 GPM AT 63.2 PSI (0 GPM TOTAL HOSE ALLOWANCE)

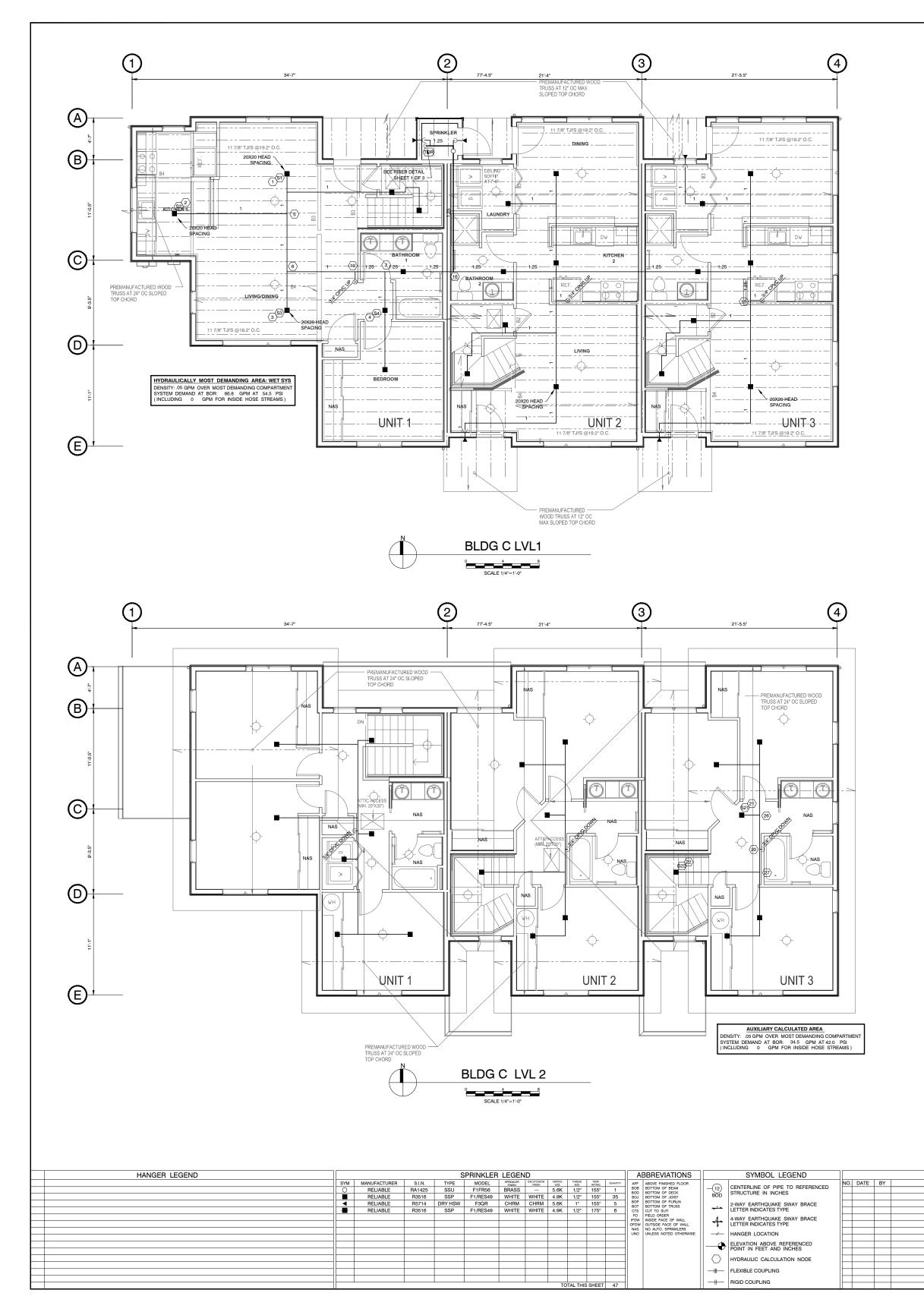


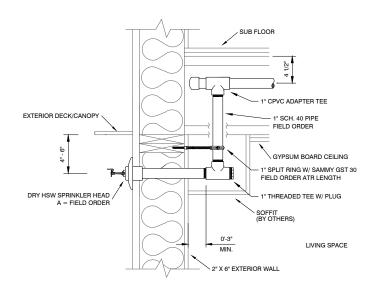
KEY PLAN

AS-BUILT SITE PLAN

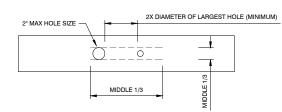


S PRINT EDUCED Υ 50% **CAUTION!**

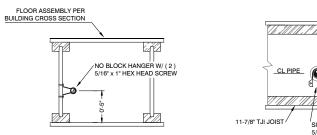


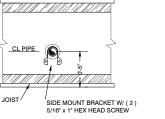


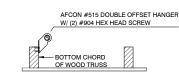
DRY SIDEWALL DETAIL



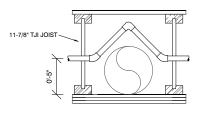
TYP BEAM PEN. DETAIL



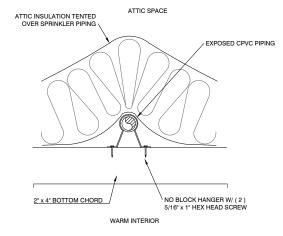




TYPICAL CPVC HANGERS



TYP CPVC OFFSET



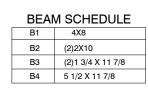
INSULATION TENTING DETAIL

FITTER/LISTER NOTES:

- 1. ALL CPVC PIPING IS 3/4" U.N.O. 2. ALL DROPS ARE TO BE 3/4" CPVC
- 3. SPRINKLER PIPING IN JOIST SPACES ARE TO BE 5" ABOVE THE BOTTOM OF
- JOIST (ABOJ). THE CENTERLINE OF PIPING IN THE ROOF TRUSS SPACE IS TO BE INSTALLED 2" ABOVE THE TOP OF THE BOTTOM CHORD OF THE TRUSS.
- 4. HANGERS FOR CPVC PIPING ARE NOT SHOWN ON THE PLAN. HANGERS ARE
- REQUIRED WITHIN 6" OF THE SPRINKLER HEAD AT THE END OF THE LINI HANGER SPACING FOR CPVC PIPING IS PER THE MANUFACTURE'S LISTING AS
- FOLLOWS:
- 3/4" CPVC 5'-6" OC
- 1" CPVC 6'-0" OC 1 1/4" CPVC 6'-6" OC
- 1 1/2" CPVC 7'-0" OC
- 2" CPVC 8'-0" OC
- 5. RELIABLE MODEL F1 RES 49/F1 RESIDENTIAL SPRINKLER SHALL NOT BE SPACED MORE THAN 18 FEET BETWEEN SPRINKLERS OR 9 FEET FROM A WALL OR LESS THAN 8 FEET BETWEEN SPRINKLERS, UNLESS SPECIFICALLY NOTED ON THE DRAWING.
- 6. GENERAL CONTRACTOR IS TO PROVIDE "TENTING" OF INSULATION OVER WET SPRINKLER PIPING IN ATTIC VOID SUCH THAT NO INSULATION IS BETWEEN THE HEATED SPACE AND THE WET SPRINKLER PIPING 7. ALL WALLS ARE FULL HEIGHT.
- 8. ALL STELL PIPE IS NOTED BY SIZE AND LENGTH, FOR EXAMPLE:
 1.25

 9. ALL CPVC PIPE IS NOTED BY SIZE ONLY, FOR EXAMPLE:
 3-6

 10. FIRE STOPPING OF WALLS IS BY OTHERS.



REVISIONS

REASON FOR REVISION

BLDG C TOWNHOUSE SPRINKLER PLAN

KEY PLAN

CONTRACT WITH ANDERSEN CONSTRUCTION COMPANY 900 POPLAR PL. SEATTLE, WA 98144

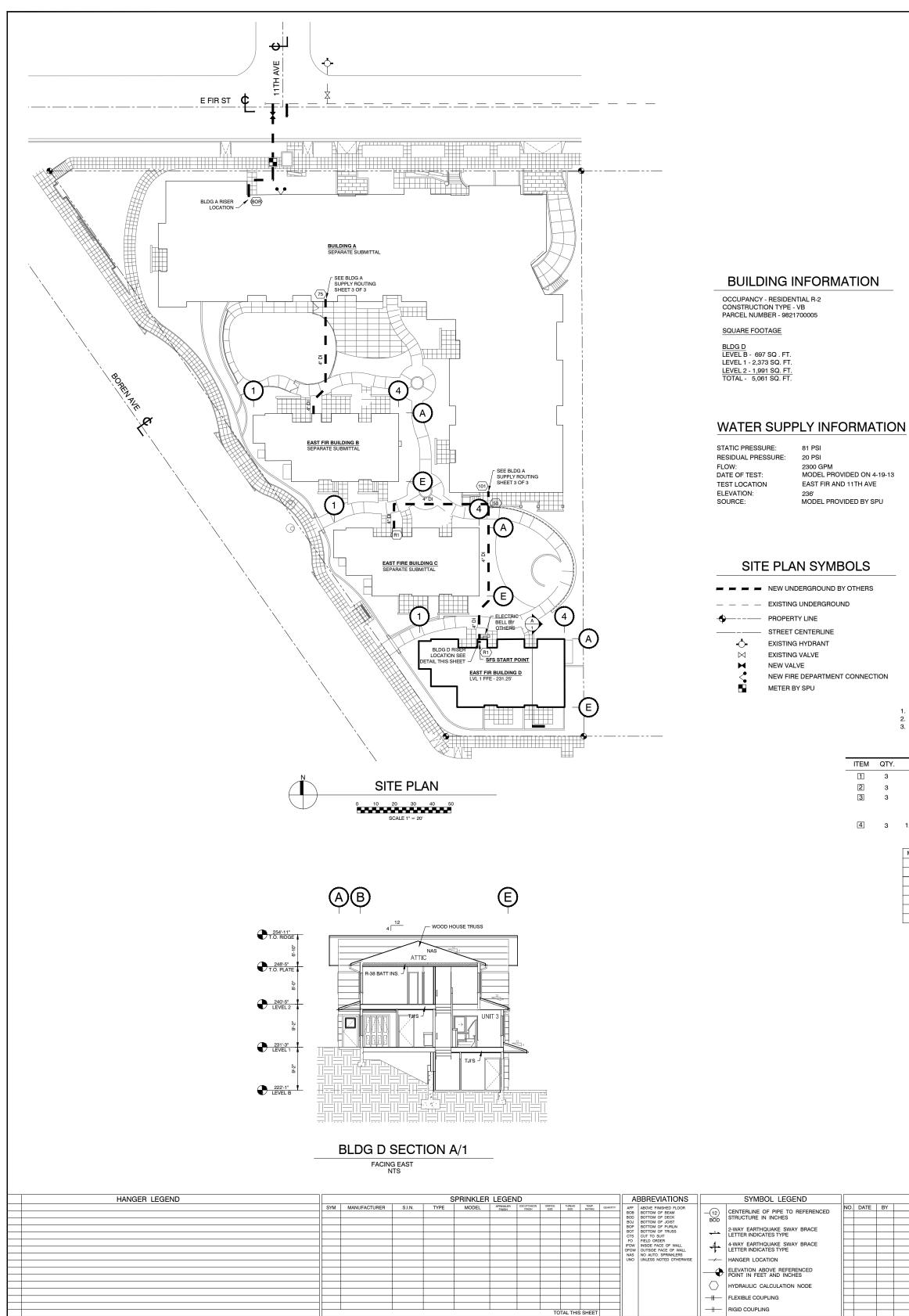
1.25

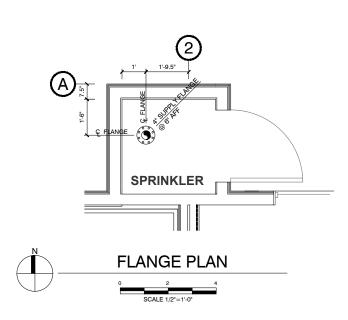
PROJECT MANAGER : BEN BRODSKY PHONE : 206-396-7095 FAX : 206-763-6710 SUPERINTENDENT : PHONE :

FAX :









GENERAL NOTES

1. ALL STEEL PIPE TO BE AS FOLLOWS UNLESS NOTED OTHERWISE:

			5	TEEL PIPE ASTM A - 795 OR BETTER		
PIPE SIZE	SCHEDULE	WALL THICKNESS	INTERNAL DIAMETER	END PREP TYPES ALLOWED	WEIGHT OF WATER / PIPE	CAPACITY IN GALLONS
1	40	0.133	1.049	THREADED, CUT GROOVED, ROLL GROOVED, PLAIN END, POLISHED	2.05	0.044
1 1/4	40	0.140	1.380	THREADED, CUT GROOVED, ROLL GROOVED, PLAIN END, POLISHED	2.92	0.078
1 1/2	FLOW PIPE	0.095	1.710	ROLL GROOVED, POLISHED, PLAIN END (FOR BUTT WELDING)	2.83	0.122
2	FLOW PIPE	0.095	2.185	ROLL GROOVED, POLISHED, PLAIN END (FOR BUTT WELDING)	3.94	0.198
2 1/2	FLOW PIPE	0.086	2.703	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	5.10	0.298
3	FLOW PIPE	0.093	3.314	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	7.18	0.448
4	FLOW PIPE	0.101	4.298	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	11.03	0.758
5	10	0.134	5.295	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	17.300	1.144
6	**	0.134	6.357	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	23.030	1.649
8	**	0.188	8.249	ROLL GROOVED, PLAIN END (FOR BUTT WELDING)	40.080	2.78
**	WALL THICK	NESS PER N	NFPA # 13			

2. ALL GROOVED COUPLINGS TO BE RIGID TYPE UNLESS NOTED (| | |) WHICH ARE FLEXIBLE.

3. ALL CPVC PIPE TO BE AS FOLLOWS UNLESS NOTED OTHERWISE:

PIPE SIZE	INTERNAL DIAMETER	WALL THICKNESS	END PREP TYPES ALLOWED	WEIGHT OF WATER / PIPE	CAPACITY IN GALLONS
3/4	0.874	0.088	PLAIN END	0.427	0.0312
1	1.101	0.107	PLAIN END	0.674	0.0495
1 1/4	1.394	0.133	PLAIN END	1.078	0.0793
1 1/2	1.598	0.151	PLAIN END	1.412	0.1042
2	2.003	0.186	PLAIN END	2.223	0.1637
	** PER SDR 13.5	ASTM F 442			

SCOPE OF WORK

SMITH FIRE SYSTEMS IS PROVIDING A WET PIPE SPRINKLER SYSTEM TO PROTECT THE HEATED INTERIOR OF THE BUILDING. THE TOWN HOME BUILDING WILL HAVE A FIRE SPRINKLER RISER ROOM WITH A 4" SUPPLY FLANGE SUPPLIED FROM BUILDING A BY OTHERS. THE BUILDING WILL BE PROTECTED PER NFPA 13R 2007 AND THE CITY OF SEATTLE.

CLARIFICATIONS

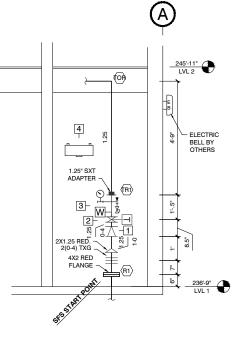
- ALL AREAS PROTECTED BY THE WET SYSTEM MUST BE MAINTAINED BY OTHERS AT A MINIMUM OF 40° F. TO PREVENT FREEZING.
 INSULATION CONTRACTOR TO PROVIDE TENTING OF ATTIC INSULATION OVER THE WET SPRINKLER PIPING IN THE ATTIC TO PROTECT THE SYSTEM FROM FREEZING.

EXCLUSIONS

- 1. PAINTING OR LABELING OF SPRINKLER PIPING.
- ELECTRICAL WIRING OF ANY KIND.
 CENTRAL STATION ALARM EQUIPMENT, WIRING, AND MONITORING.
- 4. ALL UNDERGROUND WORK. 5. FIRESTOPPING.

DESIGN CRITERIA

RESIDENTIAL AREAS:



RISER DETAIL

SCALE 1/2"=1'-0" FACING WEST

1. PIPE ALL DRAINS TO SAFE DISCHARGE OUTSIDE. 2. RISER ROOM MUST BE MAINTAINED BY OTHERS AT A MINIMUM OF $40^\circ\,{\rm F}.$ 3. MAINTAIN 2" ANNULAR SPACE AROUND ALL PIPING PASSING THRU CONCRETE FLOORS.

RISER EQUIPMENT LIST

SIZE	DESC	RIPTION					MANUF	ACTUR	ER	MODEL #
1.25"	SPRIN	G CHECK	VALVE				NIBCO			T-480
1.25"	BUTTE	ERBALL CO	ONTROL VALVE	WITH TAMP	PER		MILWAU	JKEE		BB-SCSO2
1.25"	RISER	MANIFOL	D INCLUDING:				AGF			8111R
	WATE	RFLOW IN	DICATOR, MAIN	I DRAIN,						
	PRESS	SURE GAU	IGE, 4.9K INSPE	CTORS TES	ST					
12 HEAD	SPARE		ABINET CONTAI			IG:	RELIAB	LE		A-4
		SPARE	SPRINKLERS &	WRENCHES	6					
MANUFACT	JRER	TYPE	MODEL	HEAD FINISH	K FACTOR	THREAD SIZE	TEMP. RATING	QUANTITY		
	-	0011			4.0	4 /01	4 0			

RELIABLE	SSU	F1RES49	WHITE	4.9	1/2"	155°	4
RELIABLE	SSU	F1RES49	WHITE	4.9	1/2"	175°	1
RELIABLE	SSU	F1FR	BRZ	5.6	1/2"	155°	1
RELIABLE MC	DEL GFR1 S	SPRINKLER WRI	ENCH				1
RELIABLE MC	DEL D HEAI	D WRENCH					1

REVISIONS

REASON FOR REVISION

DESCRIPTION	SPRINKLERS
BASEMENT LEVEL 1	8 24
LEVEL 2 TOTAL	<u> 19 </u> 51
TOTAL	51
HYDRAULIC CA	LCULATION DATA
ACTUAL DENSITY: .05 GPM / 0	
UP TO 4 SPF DEMAND AT BASE OF RISER:	INKLERS PER HEAD LISTING
86.8 GPM AT 54.5 PSI (0	
DEMAND AT CITY CONNECTION	GPM INSIDE HOSE ALLOWANCE)

KEY PLAN

S

BUILDING D TO	WNHOUSES
AREA DESCRIPTION	NUMBER OF SPRINKLERS
BASEMENT	8
LEVEL 1 LEVEL 2	24 19
TOTAL	51
HYDRAULIC CALC	ULATION DATA
ACTUAL DENSITY: .05 GPM / OVER	R ENTIRE COMPARTMENT
ACTUAL DENSITY: .05 GPM / OVE UP TO 4 SPRINK	
ACTUAL DENSITY: .05 GPM / OVER	RENTIRE COMPARTMENT LERS PER HEAD LISTING





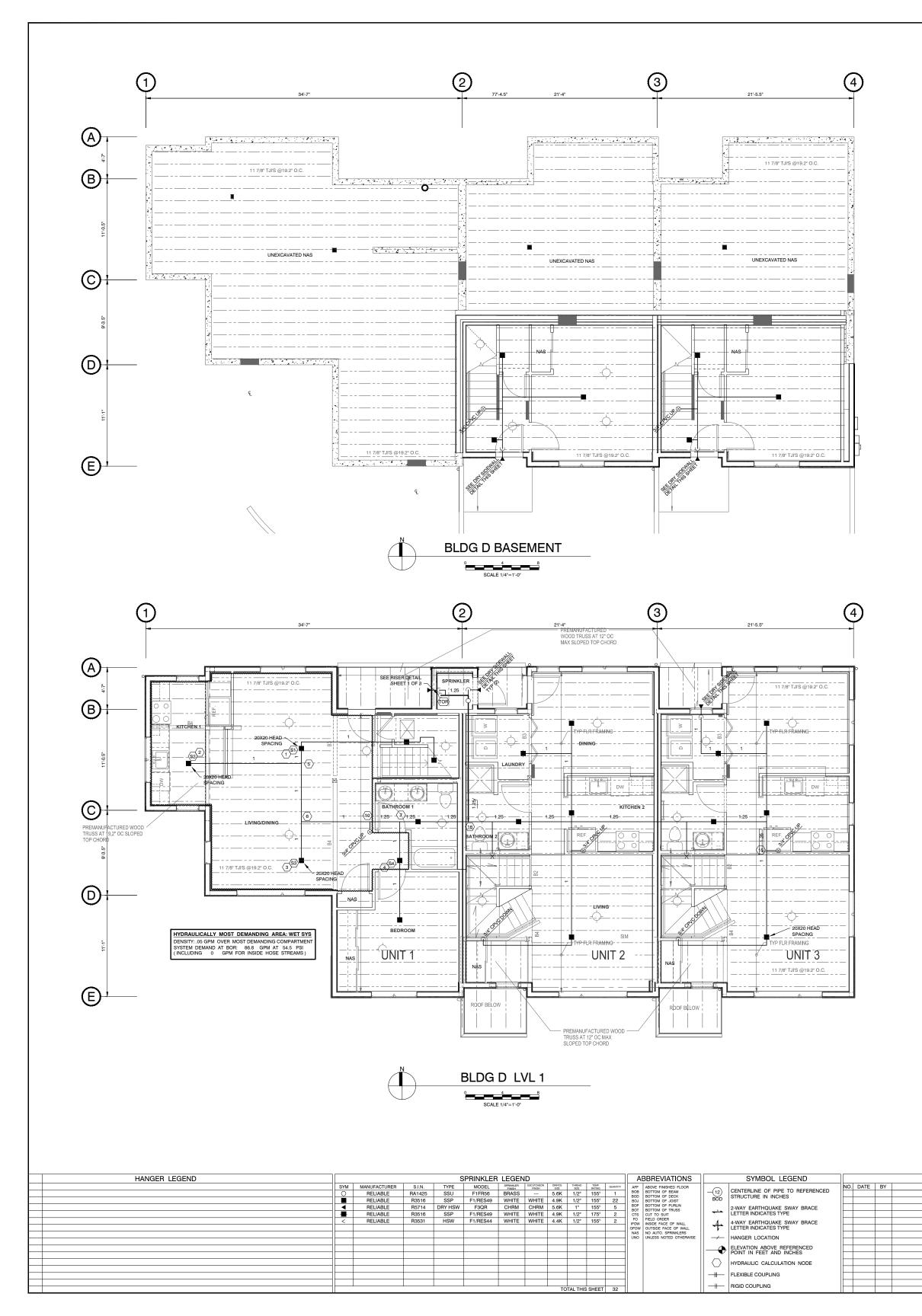
ANDERSEN CONSTRUCTION COMPANY 900 POPLAR PL. SEATTLE, WA 98144

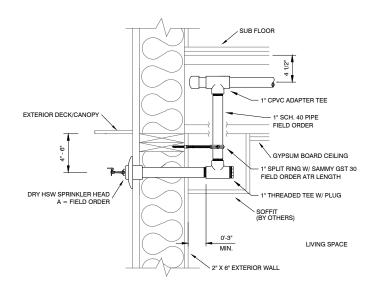
PROJECT MANAGER : BEN BRODSKY PHONE : 206-396-7095 FAX : 206-763-6710 SUPERINTENDENT : PHONE : FAX :



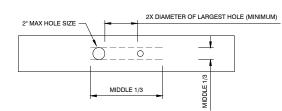
CERTIFICATE OF COMPETENCY STAM

CONTRACT WITH

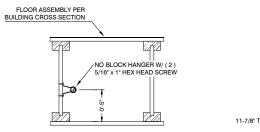


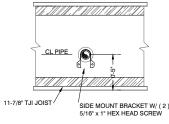


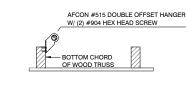
DRY SIDEWALL DETAIL



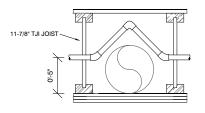
TYP BEAM PEN. DETAIL



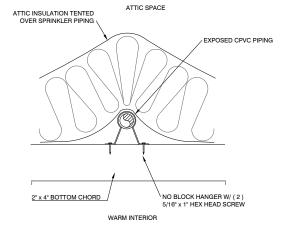




TYPICAL CPVC HANGERS



TYP CPVC OFFSET



INSULATION TENTING DETAIL

BEAM SCHEDULE								
B1	4X8							
B2	(2)2X10							
B3	(2)1 3/4 X 11 7/8							

FITTER/LISTER NOTES:

1. ALL CPVC PIPING IS 3/4" U.N.O. 2. ALL DROPS ARE TO BE 3/4" CPVC.

- 3. SPRINKLER PIPING IN JOIST SPACES ARE TO BE 5" ABOVE THE BOTTOM OF
- JOIST (ABOJ). THE CENTERLINE OF PIPING IN THE ROOF TRUSS SPACE IS TO BE INSTALLED 2" ABOVE THE TOP OF THE BOTTOM CHORD OF THE TRUSS.
- 4. HANGERS FOR CPVC PIPING ARE NOT SHOWN ON THE PLAN. HANGERS ARE REQUIRED WITHIN 6" OF THE SPRINKLER HEAD AT THE END OF THE LINE. HANGER SPACING FOR CPVC PIPING IS PER THE MANUFACTURE'S LISTING
- FOLLOWS: 3/4" CPVC 5'-6" OC 1" CPVC 6'-0" OC 1 1/4" CPVC 6'-6" OC 1 1/2" CPVC 7'-0" OC
- 2" CPVC 8'-0" OC

REVISIONS

REASON FOR REVISION

- 5. RELIABLE MODEL F1 RES 49/F1 RESIDENTIAL SPRINKLER SHALL NOT BE SPACED MORE THAN 18 FEET BETWEEN SPRINKLERS OR 9 FEET FROM A WALL OR LESS THAN 8 FEET BETWEEN SPRINKLERS. UNLESS SPECIFICALLY NOTED ON THE DRAWING.
- 6. GENERAL CONTRACTOR IS TO PROVIDE "TENTING" OF INSULATION OVER WET SPRINKLER PIPING IN ATTIC VOID SUCH THAT NO INSULATION IS BETWEEN THE HEATED SPACE AND THE WET SPRINKLER PIPING

CONTRACT WITH

- 7. ALL WALLS ARE FULL HEIGHT. ALL WALLS ARE FULL REIGHT.
 ALL STEEL PIPE IS NOTED BY SIZE AND LENGTH, FOR EXAMPLE:
 <u>1.25</u>
 ALL CPVC PIPE IS NOTED BY SIZE ONLY. FOR EXAMPLE:
 <u>1.25</u>
 3-6 9. ALL CPVC PIPE IS NOTED BY SIZE ONLY, FOR EXAMPLE: ____
- 10. FIRE STOPPING OF WALLS IS BY OTHERS.

BEAM SCHEDULE										
B1	4X8									
B2	(2)2X10									
B3	(2)1 3/4 X 11 7/8									
B4	5 1/2 X 11 7/8									

BLDG D TOWNHOUSE SPRINKLER PLAN

KEY PLAN

ANDERSEN CONSTRUCTION COMPANY 900 POPLAR PL. SEATTLE, WA 98144

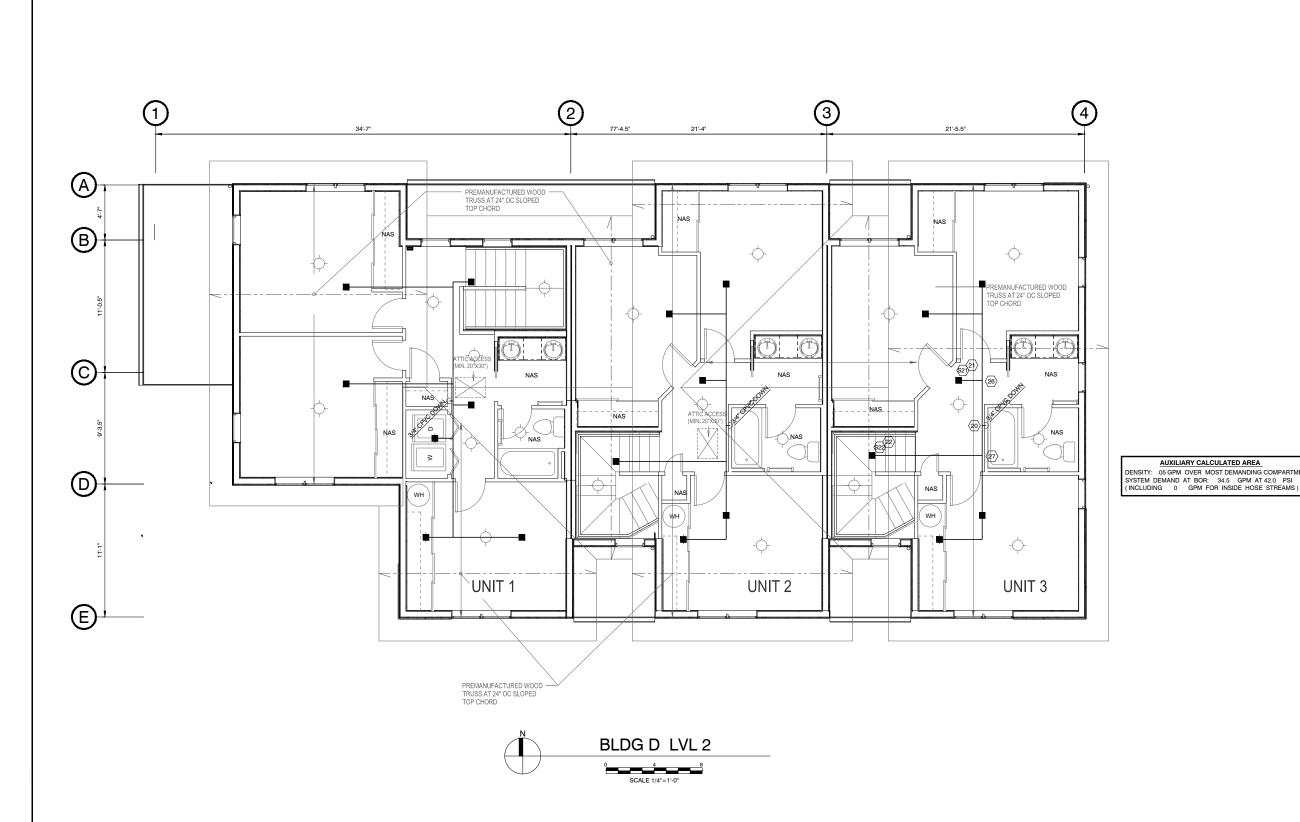
> PROJECT MANAGER : BEN BRODSKY PHONE : 206-396-7095 FAX : 206-763-6710 SUPERINTENDENT : PHONE :

> > FAX :



CERTIFICATE OF COMPETENCY STAM



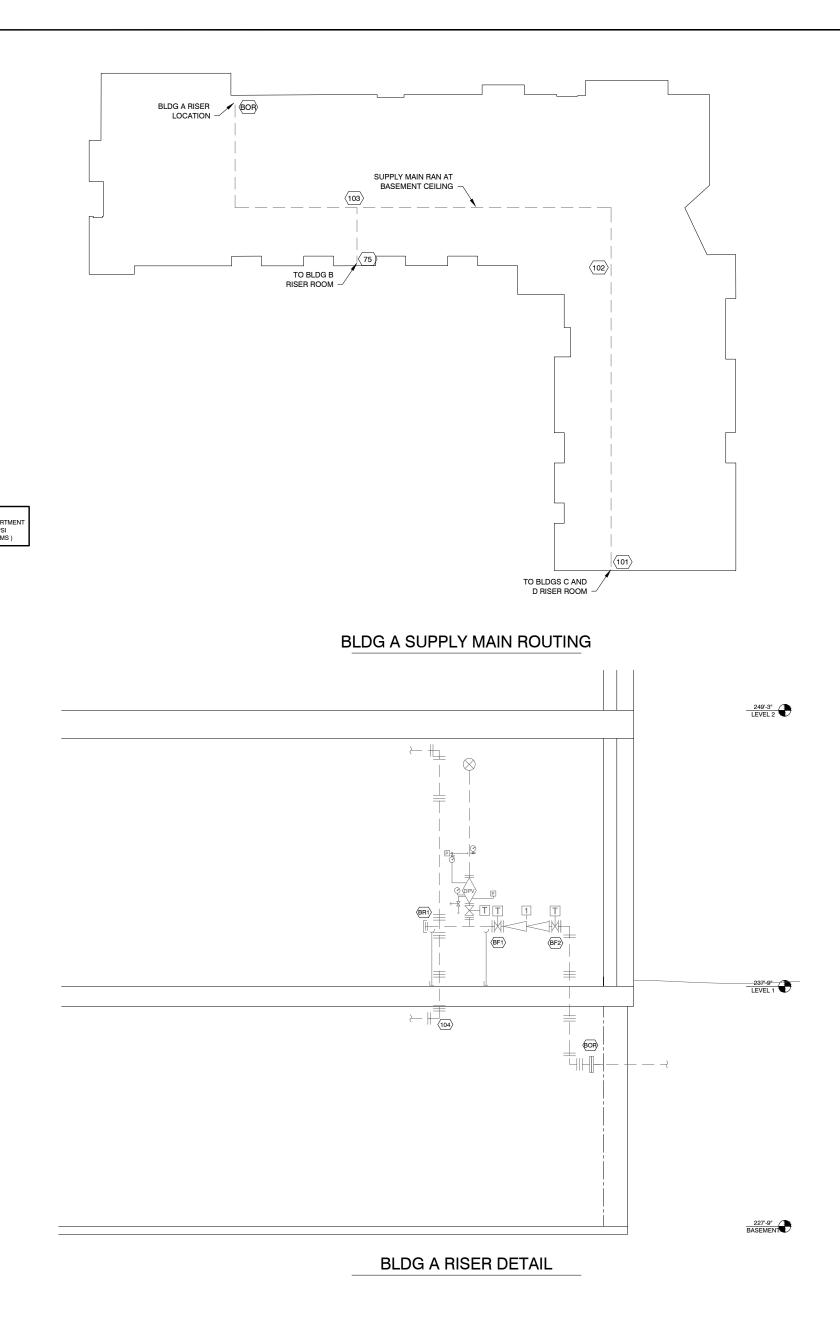


FITTER/LISTER NOTES:

1. ALL CPVC PIPING IS 3/4" U.N.O. 2. ALL DROPS ARE TO BE 3/4" CPVC.

- 3. SPRINKLER PIPING IN JOIST SPACES ARE TO BE 5" ABOVE THE BOTTOM OF
- JOIST (ABOJ). THE CENTERLINE OF PIPING IN THE ROOF TRUSS SPACE IS TO BE INSTALLED 2" ABOVE THE TOP OF THE BOTTOM CHORD OF THE TRUSS. 4. HANGERS FOR CPVC PIPING ARE NOT SHOWN ON THE PLAN. HANGERS ARE REQUIRED WITHIN 6" OF THE SPRINKLER HEAD AT THE END OF THE LINE.
- HANGER SPACING FOR CPVC PIPING IS PER THE MANUFACTURE'S LISTING AS FOLLOWS:
- 3/4" CPVC 5'-6" OC 1" CPVC 6'-0" OC 1 1/4" CPVC 6'-6" OC
- 1 1/2" CPVC 7'-0" OC
- 2" CPVC 8'-0" OC
- 5. RELIABLE MODEL F1 RES 49/F1 RESIDENTIAL SPRINKLER SHALL NOT BE SPACED MORE THAN 18 FEET BETWEEN SPRINKLERS OR 9 FEET FROM A WALL OR LESS THAN 8 FEET BETWEEN SPRINKLERS, UNLESS SPECIFICALLY NOTED ON THE DRAWING.
- 6. GENERAL CONTRACTOR IS TO PROVIDE "TENTING" OF INSULATION OVER WET SPRINKLER PIPING IN ATTIC VOID SUCH THAT NO INSULATION IS BETWEEN THE HEATED SPACE AND THE WET SPRINKLER PIPING
- . ALL WALLS ARE FULL HEIGHT
- ALL WALLS ARE FULL REIGHTI.
 ALL STEEL PIPE IS NOTED BY SIZE AND LENGTH, FOR EXAMPLE:
 1.25
 3-6 9. ALL CPVC PIPE IS NOTED BY SIZE ONLY, FOR EXAMPLE:
- 10. FIRE STOPPING OF WALLS IS BY OTHERS.

HANGER LEGEND	SPRINKLER LEGEND											ABBREVIATIONS	SYMBOL LEGEND				
	SYM	MANUFACTURER	S.I.N.	TYPE	MODEL		ESCUTCHEON FINISH		THREAD SIZE	HATING	QUANTITY	AFF ABOVE FINISHED FLOOR BOB BOTTOM OF BEAM		CENTERLINE OF PIPE TO REFERENCED	NO.	DATE	BY
		RELIABLE	R3516	SSP	F1/RES49		WHITE		1/2"	155°	15	BOD BOTTOM OF DECK	-(12) BOD	STRUCTURE IN INCHES		L	
	-	RELIABLE	R3516	SSP	F1/RES49	WHITE	WHITE	4.9K	1/2"	175°	4	BOJ BOTTOM OF JOIST	BOD			L	
												BOP BOTTOM OF PURLIN BOT BOTTOM OF TRUSS		2-WAY EARTHQUAKE SWAY BRACE		L	
												CTS CUT TO SUIT	-	LETTER INDICATES TYPE		<u> </u>	
												FO FIELD ORDER	A.	4-WAY EARTHQUAKE SWAY BRACE		L	
												OFOW OUTSIDE FACE OF WALL		LETTER INDICATES TYPE		L	
												NAS NO AUTO. SPRINKLERS UNO UNLESS NOTED OTHERWISE		HANGER LOCATION		. <u> </u>	
																. <u> </u>	
														ELEVATION ABOVE REFERENCED POINT IN FEET AND INCHES		L	
														FOINT IN FEET AND INCHES			
													$ \langle\rangle$	HYDRAULIC CALCULATION NODE		L	
																L	
														FLEXIBLE COUPLING		L	
														RIGID COUPLING			
	TOTAL THIS SHEET 19										19		<u> </u>				



BLDG D TOWNHOUSE SPRINKLER PLAN

KEY PLAN





CERTIFICATE OF COMPETENCY STAM

ANDERSEN CONSTRUCTION COMPANY 900 POPLAR PL. SEATTLE, WA 98144

CONTRACT WITH

REVISIONS

REASON FOR REVISION

PROJECT MANAGER : BEN BRODSKY PHONE : 206-396-7095 FAX : 206-763-6710 SUPERINTENDENT : PHONE : FAX :