

FIRE SPRINKLER SITE PLAN

SCALE 1" = 30'-0"

UNDERGROUND CONTRACTOR NOTES

- ALL UNDERGROUND PIPING IS BY OTHERS.
- PLANS ARE PROVIDED FOR HYDRAULIC REFERENCE NODE PURPOSES AND FDC LOCATIONS ONLY.
- UNDERGROUND CONTRACTOR IS TO PROVIDE WAFS WITH TEST CERTIFICATES INDICATING COMPLETION OF HYDROSTATIC TEST AND FLUSH PER NFPA 24 PRIOR TO WAFS CONNECTING TO THE UNDERGROUND.
- UNDERGROUND CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF LEAD-INS WITH WAFS.
- UNDERGROUND CONTRACTOR SHALL NOTIFY WAFS OF MAKE AND MODEL OF BACKFLOW PREVENTER USED WHEN IN THEIR SCOPE.
- ALL TAMPER SWITCHES REQUIRED ON UNDERGROUND NOT IN WAFS SCOPE SHALL BE BY OTHERS.
- FOR HYDRAULIC CALCULATION PURPOSES ELEVATION OF 169' IS CONSIDERED 0'-0".

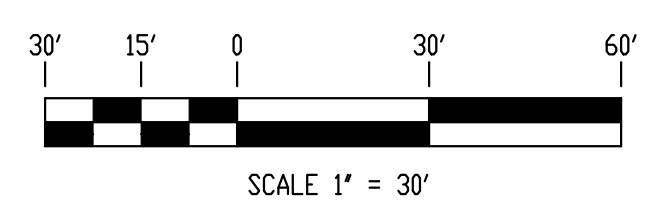
SCALE: NONE
00500N

FLOW HYDRANT
4211 225 LOCATED
369'-0" SOUTHWEST
FLOW = 1060 GPM

TEST HYDRANT
224:
STATIC = 80 PSI
RESIDUAL = 68 PSI
ELEVATION 164'
(-5'-0")

FLOW TEST HYDRANT LOCATION

SCALE 1" = 30'-0"



BUILDING 200

W. WAYNE
Automatic Fire Sprinklers, Inc.

MAIN OFFICE - ORLANDO, FLORIDA
 222 CAPITOL COURT, ORLANDO, FLORIDA 32781
 PHONE (407) 858-3030 FAX (407) 858-8088

JACKSONVILLE, FL 2808 CENTRAL PALM DRIVE JACKSONVILLE, FL 32205-2745 PHONE (904) 328-3224 FAX (904) 328-0724	TAMPA, FL 2808 CENTRAL PALM DRIVE TAMPA, FL 33607-2745 PHONE (813) 832-3224 FAX (813) 832-0724	DEERFIELD BEACH, FL 1000 UNIVERSITY BLVD. SUITE 100 DEERFIELD BEACH, FL 33442-5902 PHONE (561) 871-3224 FAX (561) 871-0424	FT. MYERS, FL 4025 METRO DRIVE FT. MYERS, FL 33907-4804 PHONE (888) 422-3030 FAX (888) 422-3030
--	--	--	---

JUNIPER VILLAGE
 PARKER LANE
 LILLINGTON, NORTH CAROLINA

Wynnefield Properties
 5614 Riverdale Road
 Jamestown, NC 27282

SHEET TITLE: FIRE SPRINKLER SITE PLAN DRAWN BY: Donald Hawkins TOTAL A/S: 938 DATE: 3-5-2021 ANA: Harnett County	CONTRACT # 102001 CENTER OF TILE JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO CENTER ON FIXTURES JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SHEET # FPS 1.1 CONSTRUCTION TYPE: V-B OCCUPANCY: R-2
--	---

J-95-0895
 ELOPMENT LLC
 J10, PG. 783
 JONED RS-20

IMPORTANT OWNER INFORMATION
 THIS DRAWING IS BASED ON THE OWNER'S ACCEPTANCE OF THE CONTRACTOR'S AS-BUILT RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE AS-BUILT RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE AS-BUILT RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE AS-BUILT RECORDS.

CPVC COMPATIBILITY NOTICE
 CPVC FIRE SPRINKLER SYSTEMS HAVE BEEN SUCCESSFULLY USED FOR MORE THAN 25 YEARS IN NEW CONSTRUCTION. CPVC AND CPVC COMPATIBLE PRODUCTS ARE AVAILABLE FROM MANY MANUFACTURERS. CPVC COMPATIBLE PRODUCTS ARE AVAILABLE FROM MANY MANUFACTURERS. CPVC COMPATIBLE PRODUCTS ARE AVAILABLE FROM MANY MANUFACTURERS.

COPYRIGHT
 ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF W. WAYNE AUTOMATIC FIRE SPRINKLERS, INC.

GRAPHICS ELEMENTS NOTE
 THE SPRINKLER CONTRACTOR SHALL VERIFY THE EXISTING SPRINKLER SYSTEMS AND SHALL VERIFY THE EXISTING SPRINKLER SYSTEMS AND SHALL VERIFY THE EXISTING SPRINKLER SYSTEMS.

WATER SUPPLY INFORMATION

ACTUAL	DESIGNED OR ESTIMATED	TEST	DATE OF TEST
STATIC PRESSURE	80	HYDRANT ELEV.	164 (S-2)
RESIDUAL PRESSURE	68	DATE OF TEST	3-20-2024
FLOW IN GPM	1060	TYPE OF TEST	3-20-2024
PITOT READING	40	NUMBER OF PORTS FLOWED	1

TEST PROVIDED BY: Lillington Fire Department
 HYDRANT LOCATION: Test Hydrant 4211 225 - Flow Hydrant 4211 225

DESIGN CRITERIA

SYSTEM / DESIGN AREA	HAZARD CLASS	# OF SPRINKLERS IN DESIGN AREA	MINIMUM DENSITY	DESIGN AREA SF.	PST REQ'D # BASIN	EPN REQ'D # TEST	PST REQ'D # TEST	ELEVATION # HIGHEST SPRINKLER	MODE: INTERIOR/OUTSIDE	DOMESTIC/SEWAGE	DOMESTIC RETURN

SPRINKLERS SPACING

SYMBOL	MAXIMUM	MINIMUM	COMMENTS

SPRINKLERS

SYMB	1ST	2ND	3RD	4TH	SIN	SIZE	K	TEMP	MODEL

TOTAL PER FLOOR: _____
TOTAL THIS SHEET: _____

DATE	SUBMITTALS	BY
3-16-2021	QA Review	DH
4-5-2024	Permit	DH

NO.	DATE	REVISIONS	BY
1	XX/XX/XX		

W. WAYNE
Automatic Fire Sprinklers, Inc.

MAIN OFFICE - ORLANDO, FLORIDA
 222 CAPITOL COURT, ORLANDO, FLORIDA 32781
 PHONE (407) 858-3030 FAX (407) 858-8088

JACKSONVILLE, FL 2808 CENTRAL PALM DRIVE JACKSONVILLE, FL 32205-2745 PHONE (904) 328-3224 FAX (904) 328-0724	TAMPA, FL 2808 CENTRAL PALM DRIVE TAMPA, FL 33607-2745 PHONE (813) 832-3224 FAX (813) 832-0724	DEERFIELD BEACH, FL 1000 UNIVERSITY BLVD. SUITE 100 DEERFIELD BEACH, FL 33442-5902 PHONE (561) 871-3224 FAX (561) 871-0424	FT. MYERS, FL 4025 METRO DRIVE FT. MYERS, FL 33907-4804 PHONE (888) 422-3030 FAX (888) 422-3030
--	--	--	---

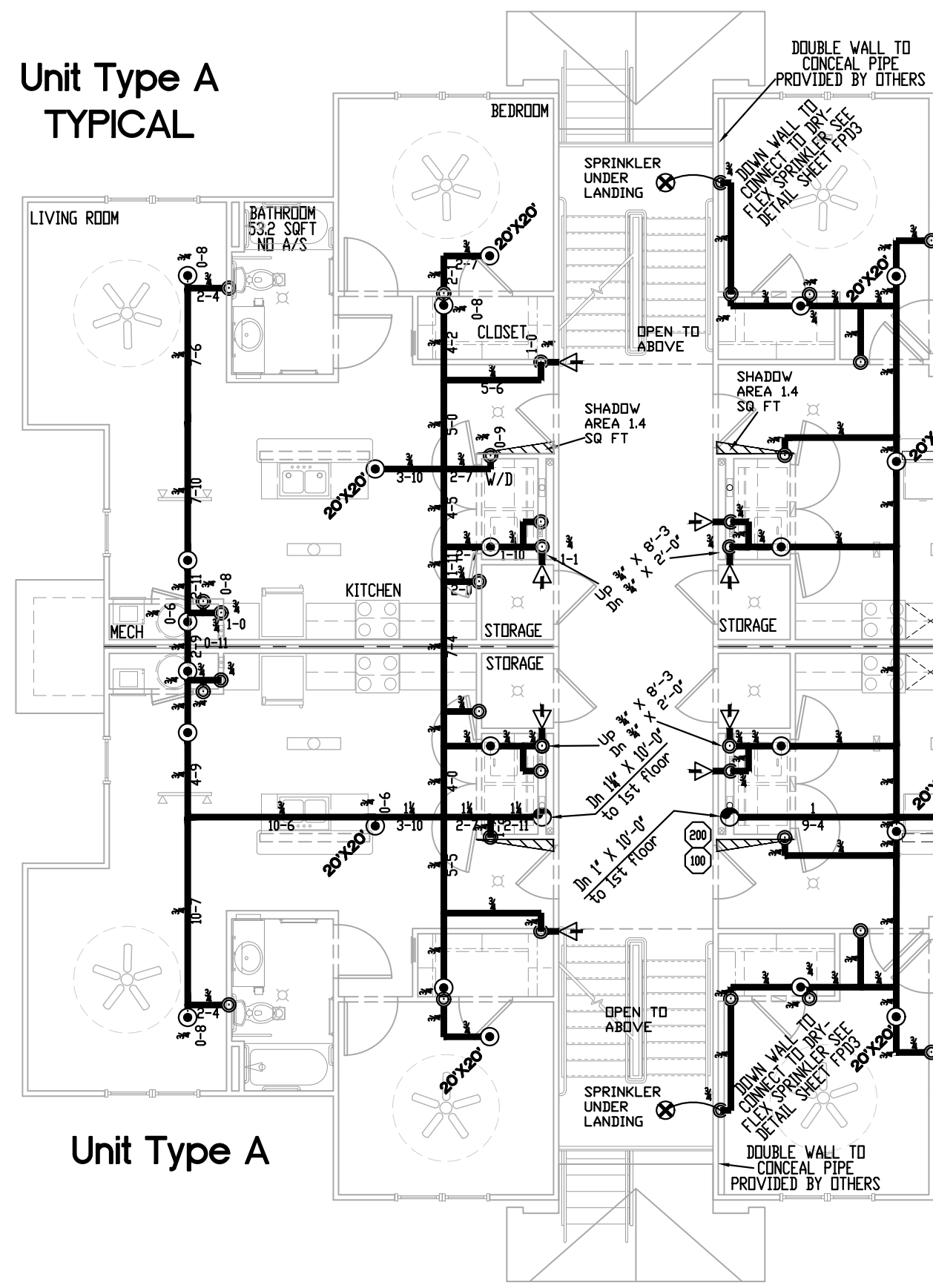
JUNIPER VILLAGE
 PARKER LANE
 LILLINGTON, NORTH CAROLINA

Wynnefield Properties
 5614 Riverdale Road
 Jamestown, NC 27282

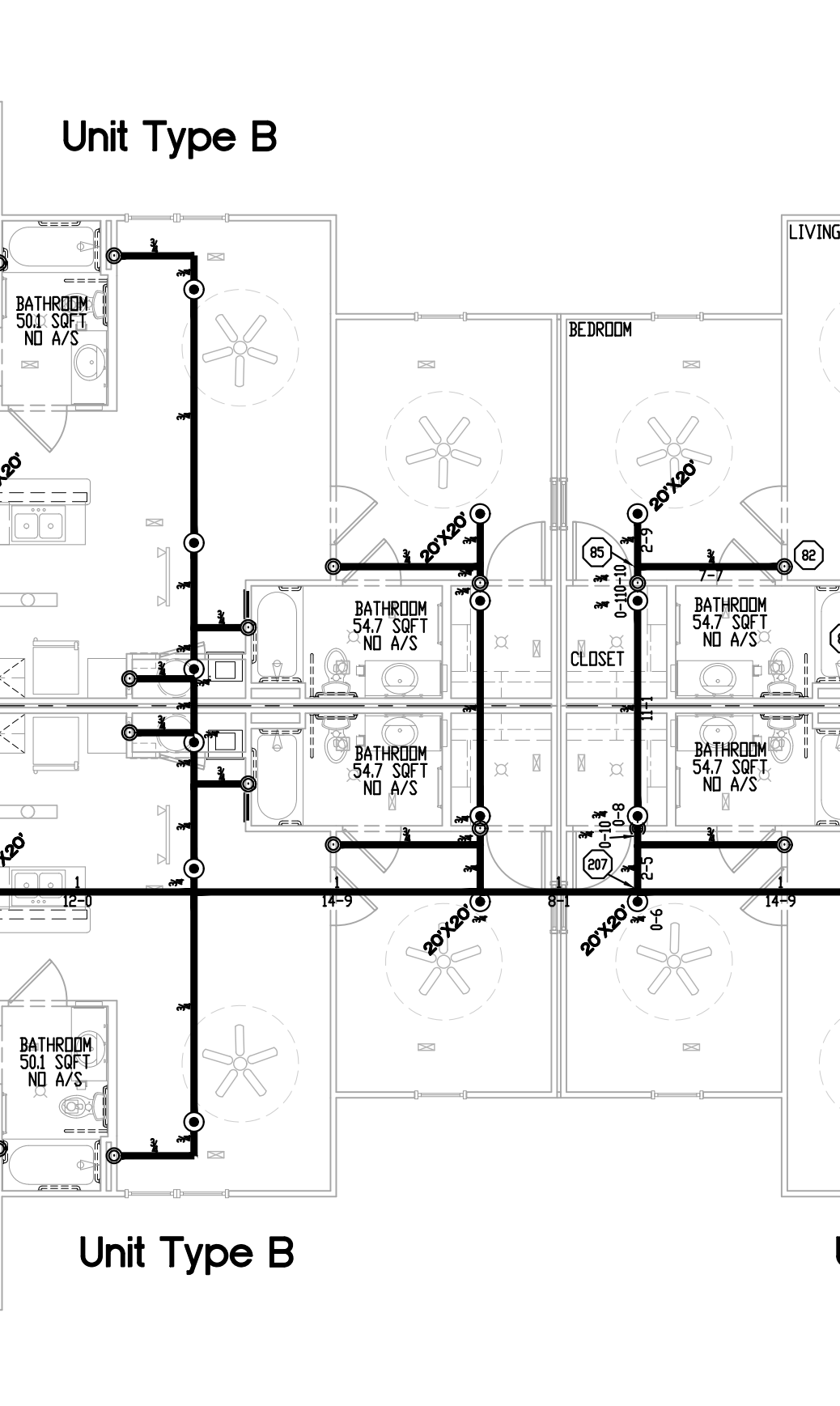
DATE	SUBMITTALS	BY
3-16-2021	QA Review	DH
4-5-2024	Permit	DH

NO.	DATE	REVISIONS	BY
1	XX/XX/XX		

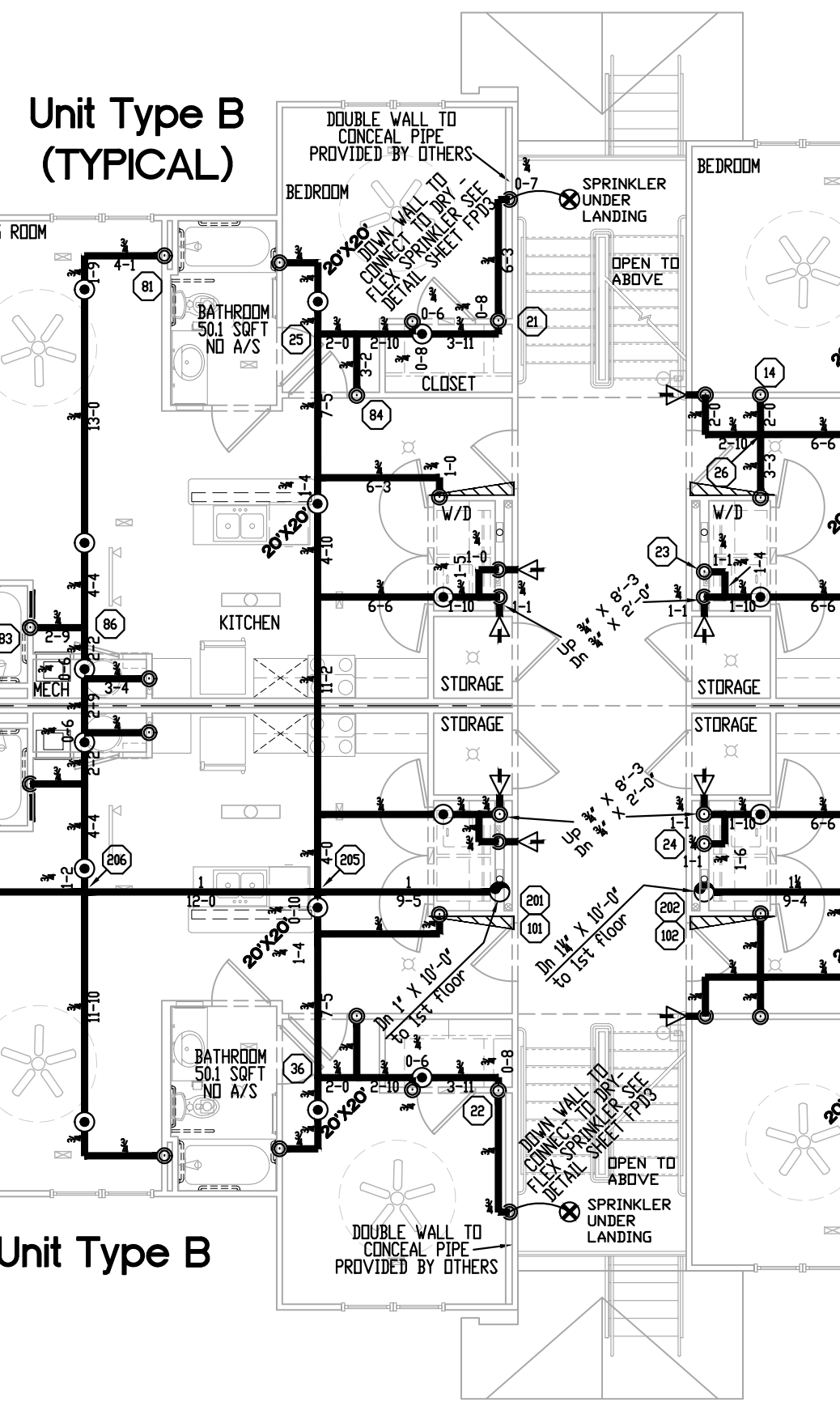
Unit Type A
TYPICAL



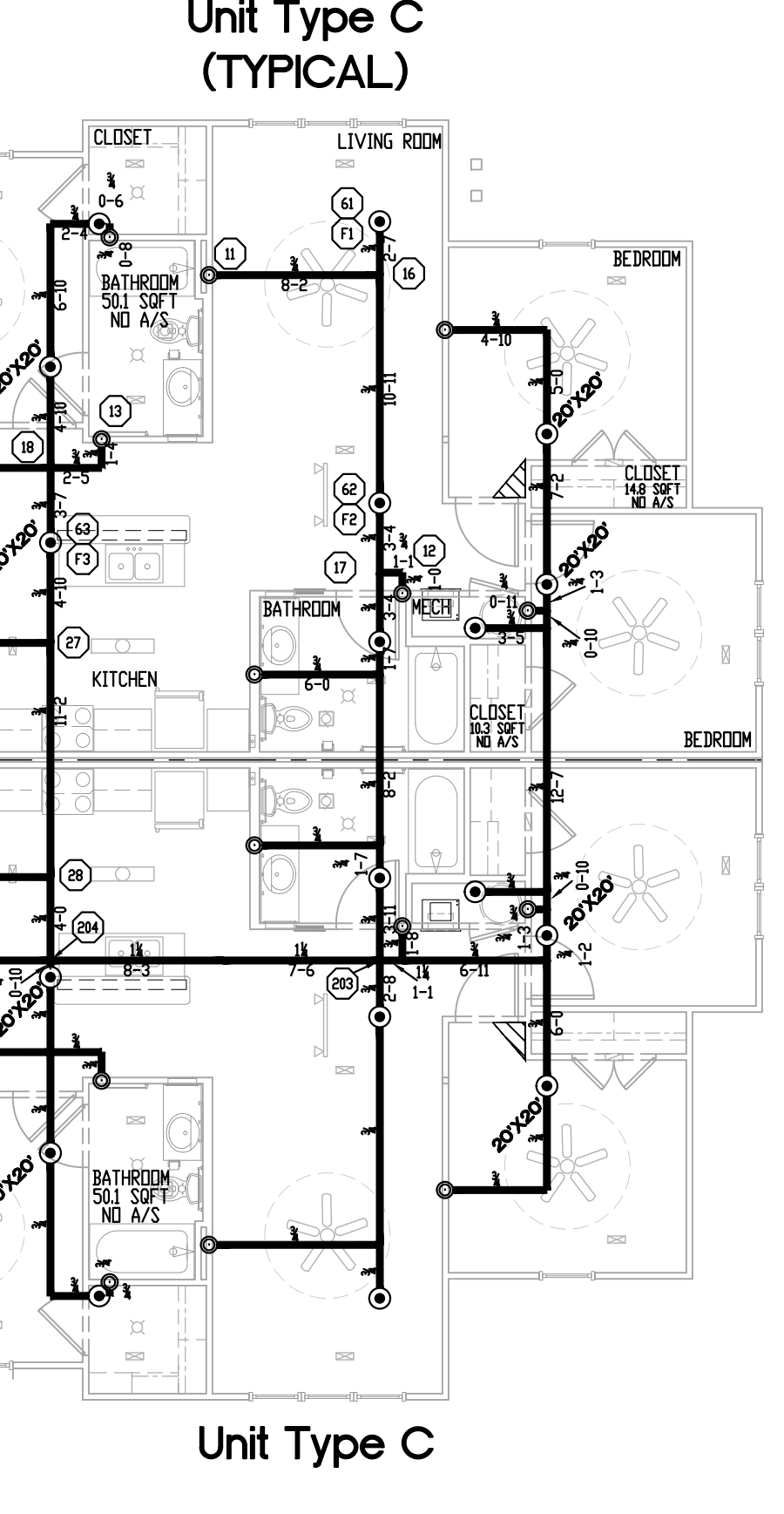
Unit Type B



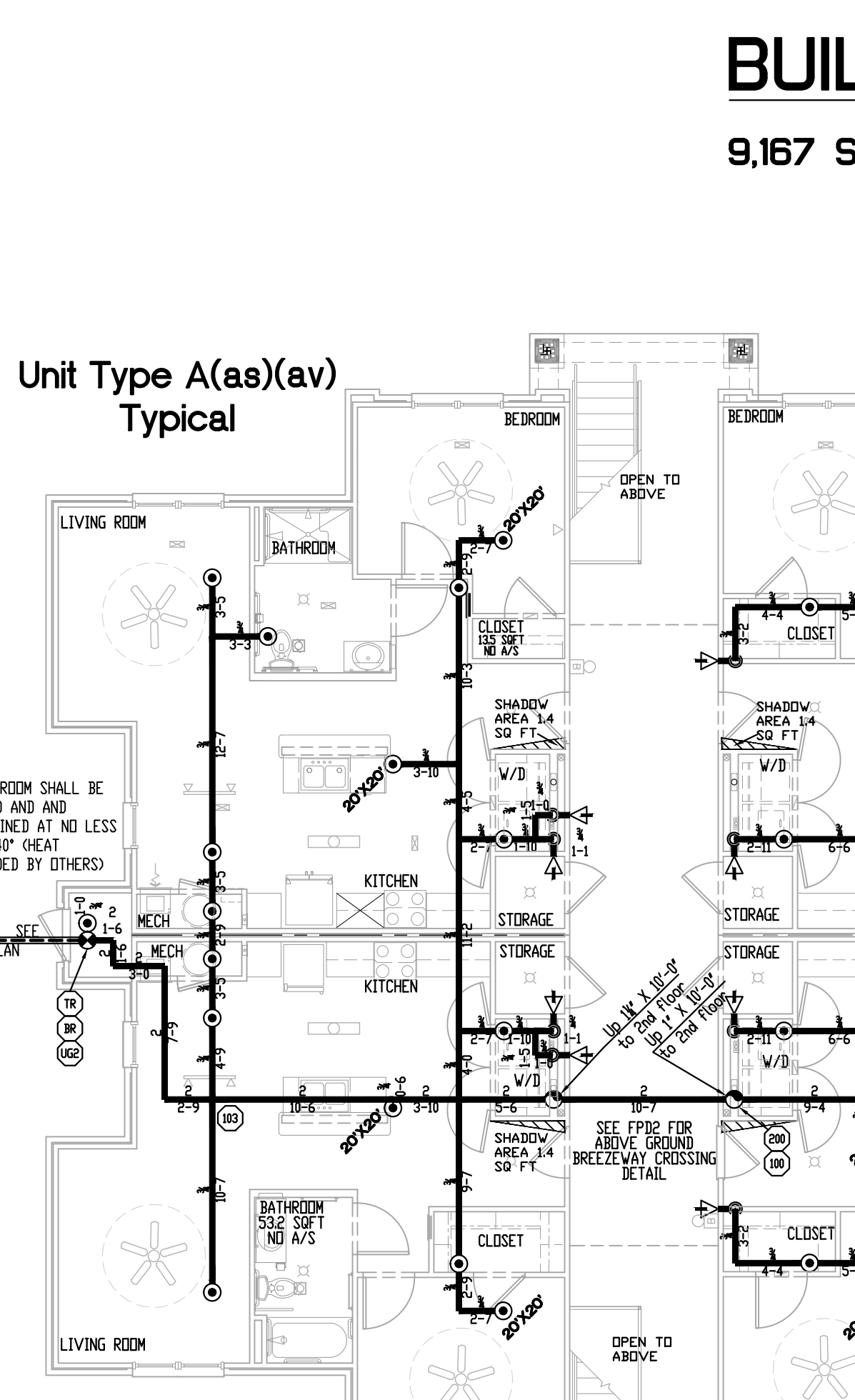
Unit Type B
(TYPICAL)



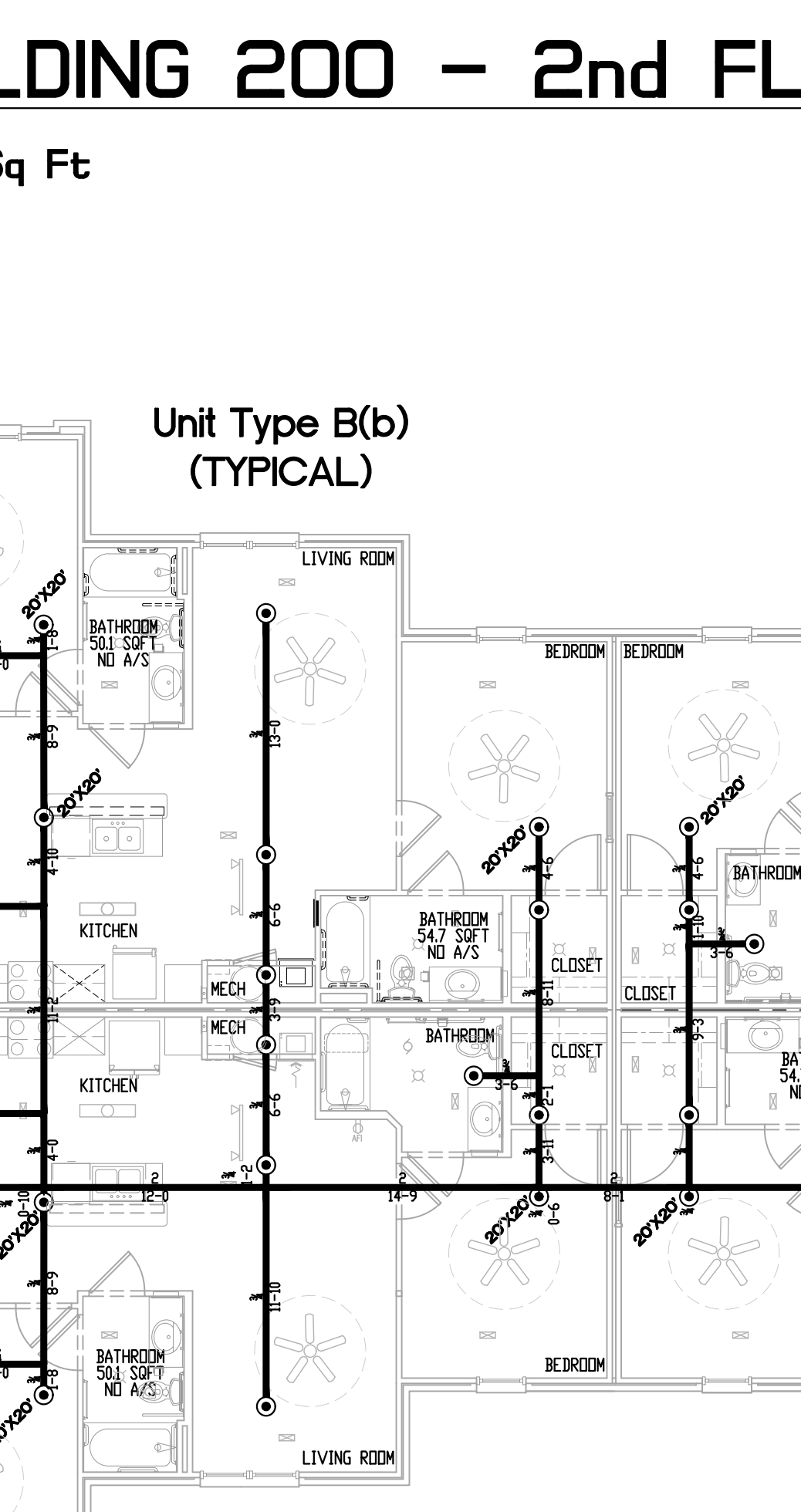
Unit Type C
(TYPICAL)



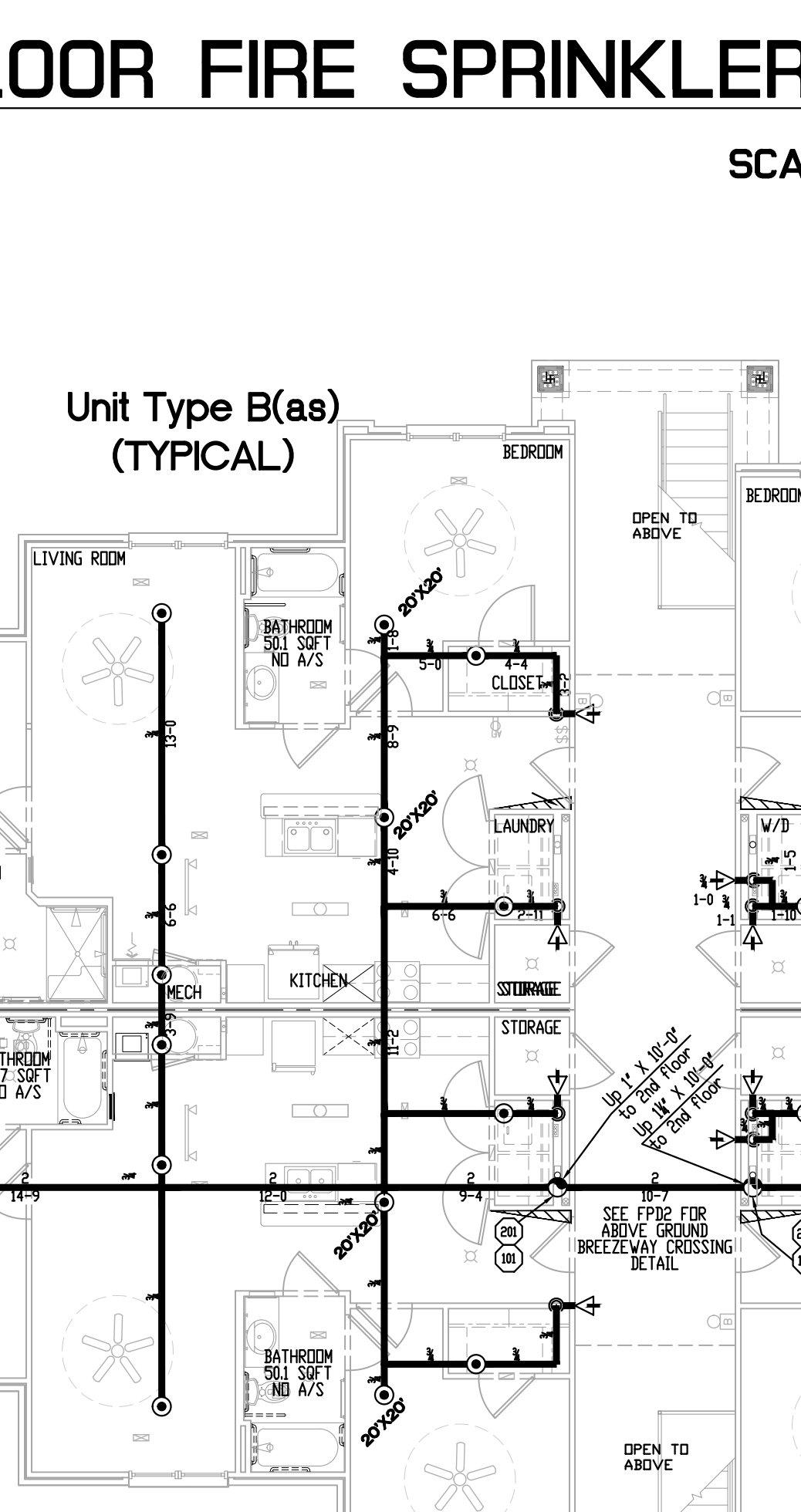
Unit Type A



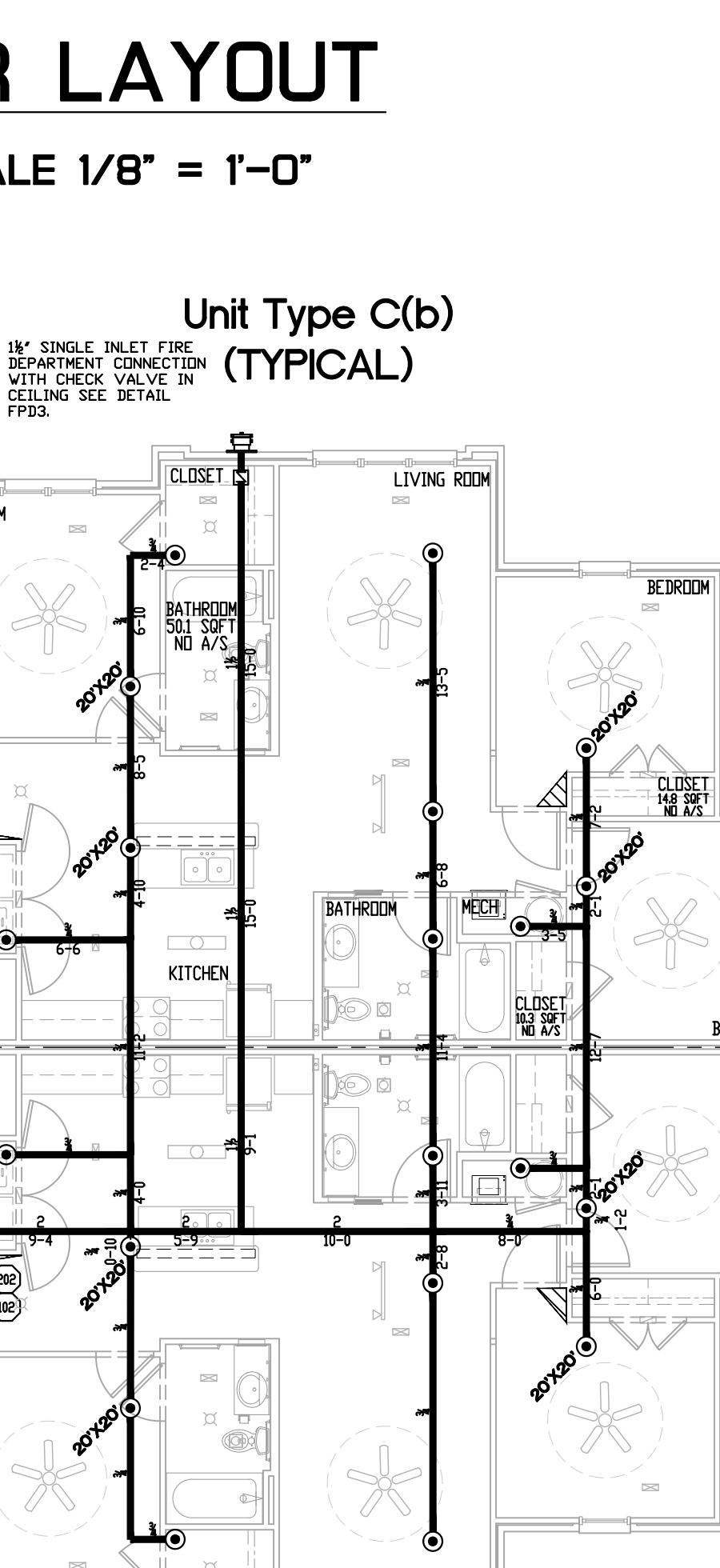
Unit Type B



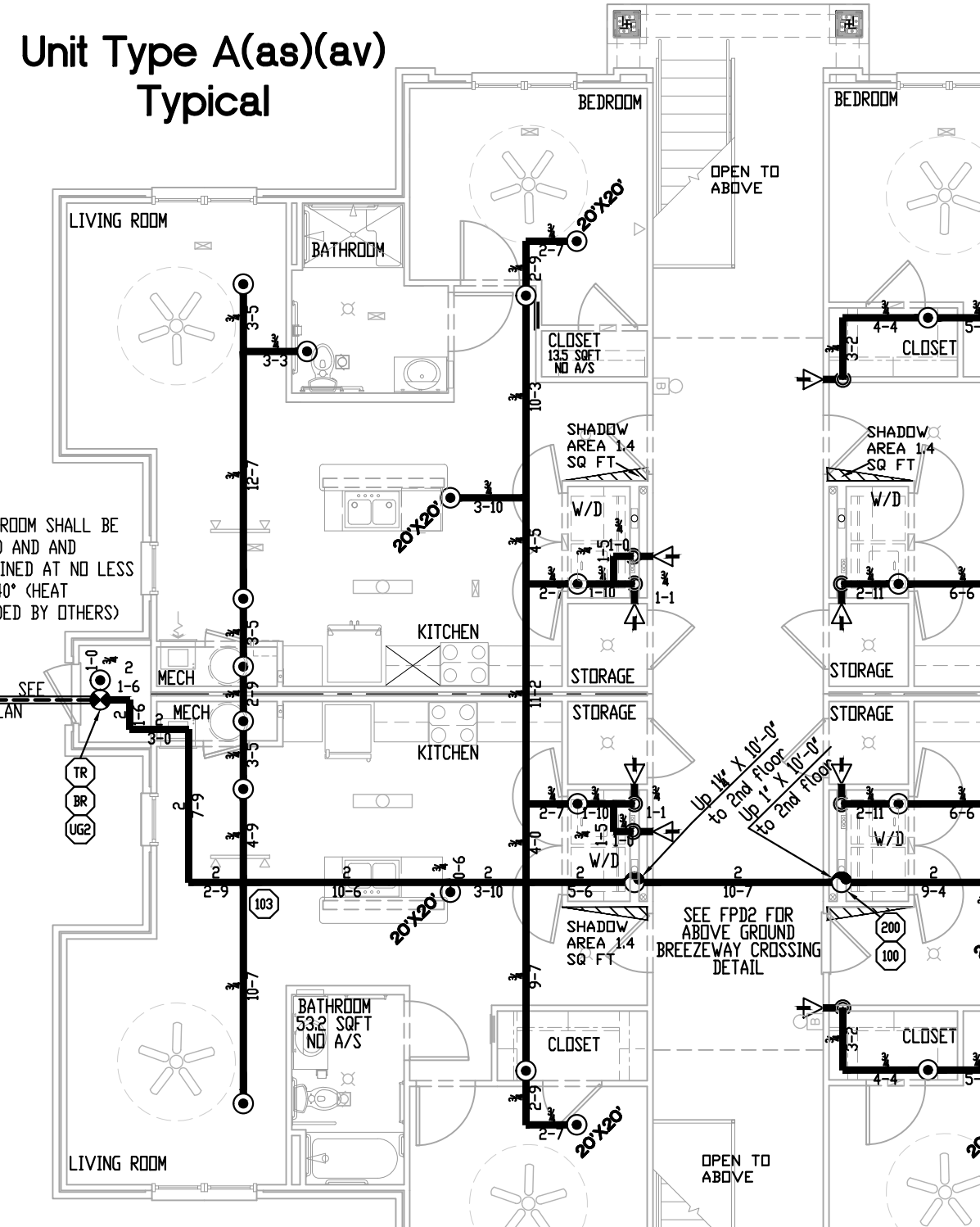
Unit Type B



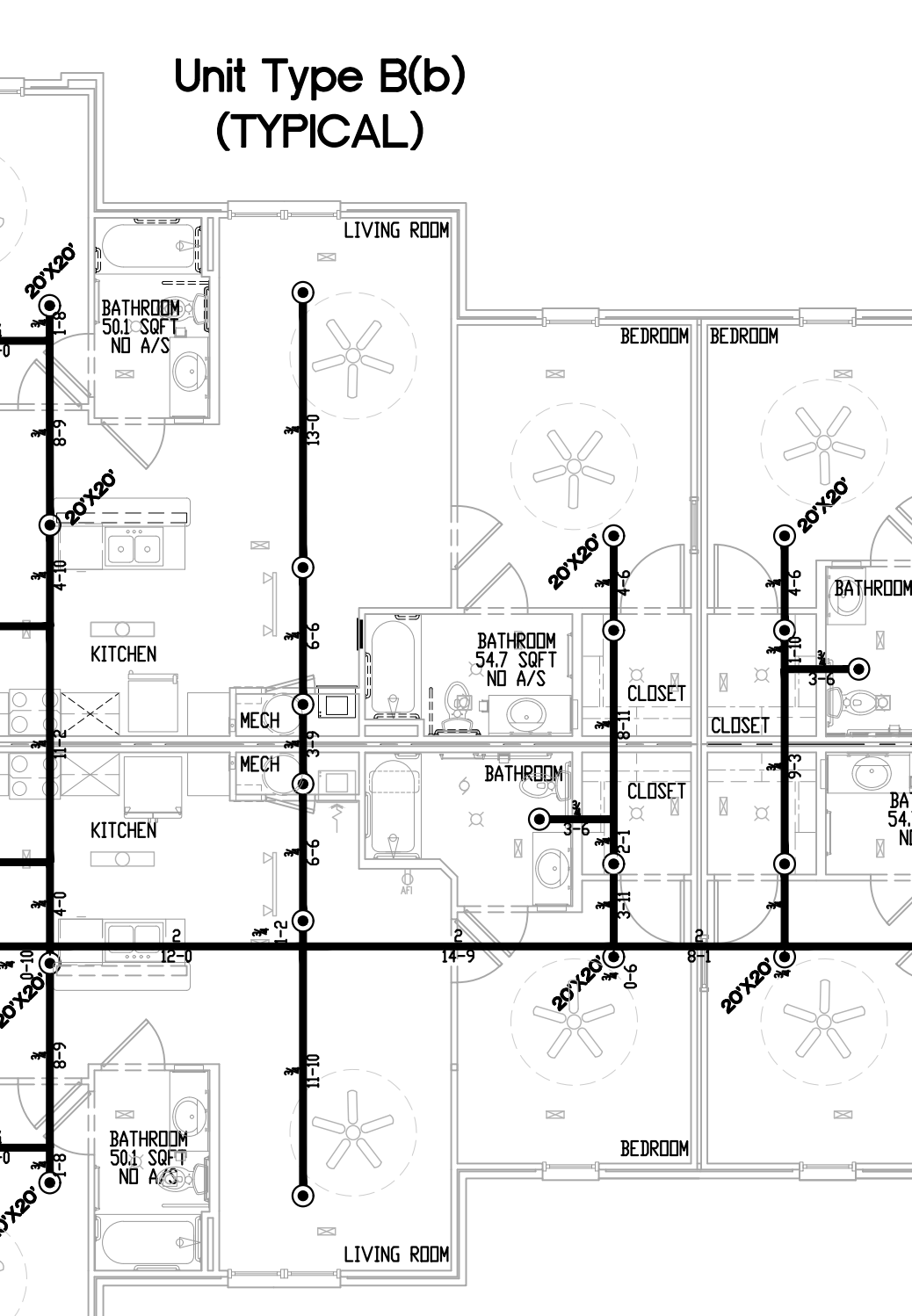
Unit Type C



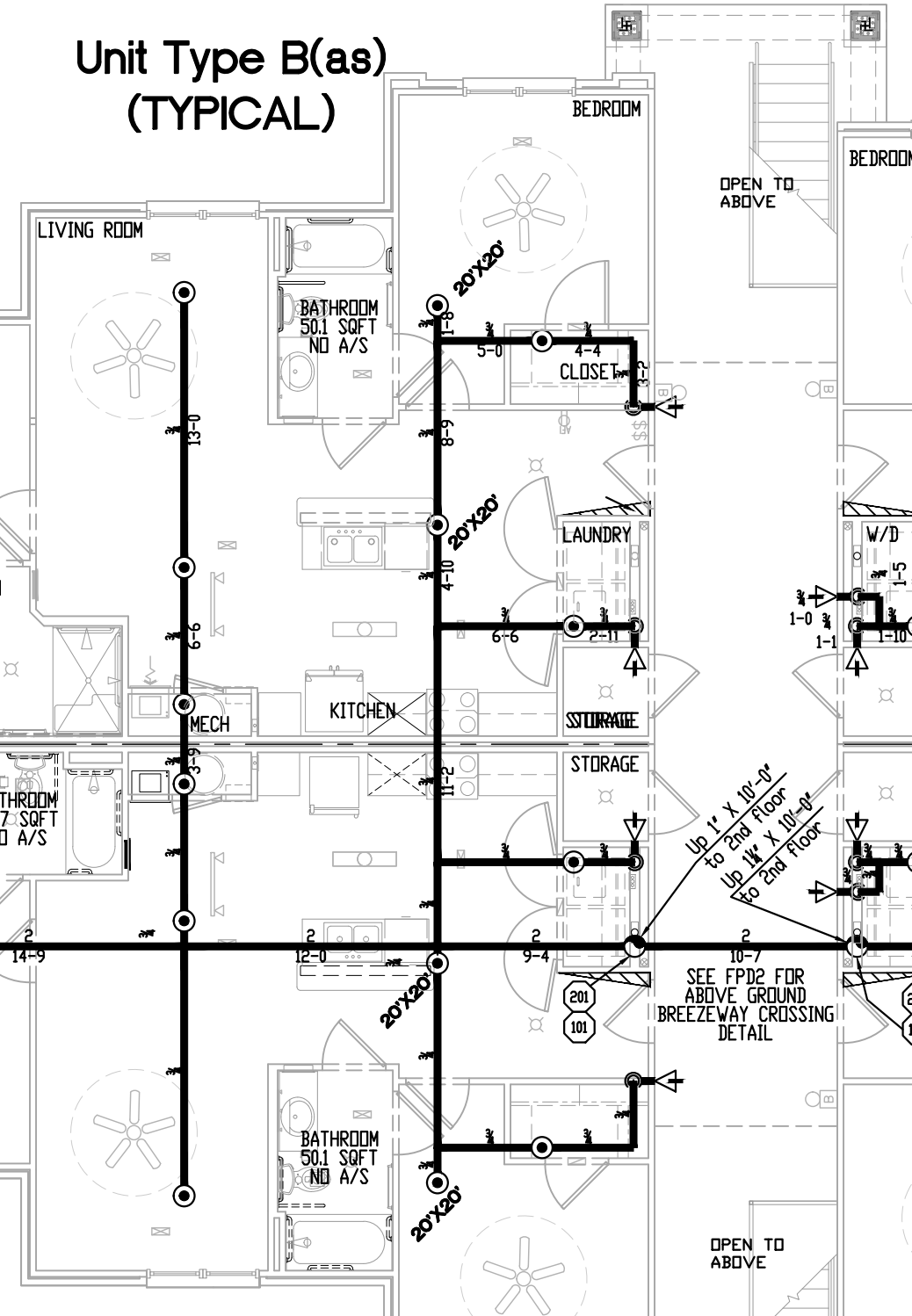
Unit Type A(as)(av)
Typical



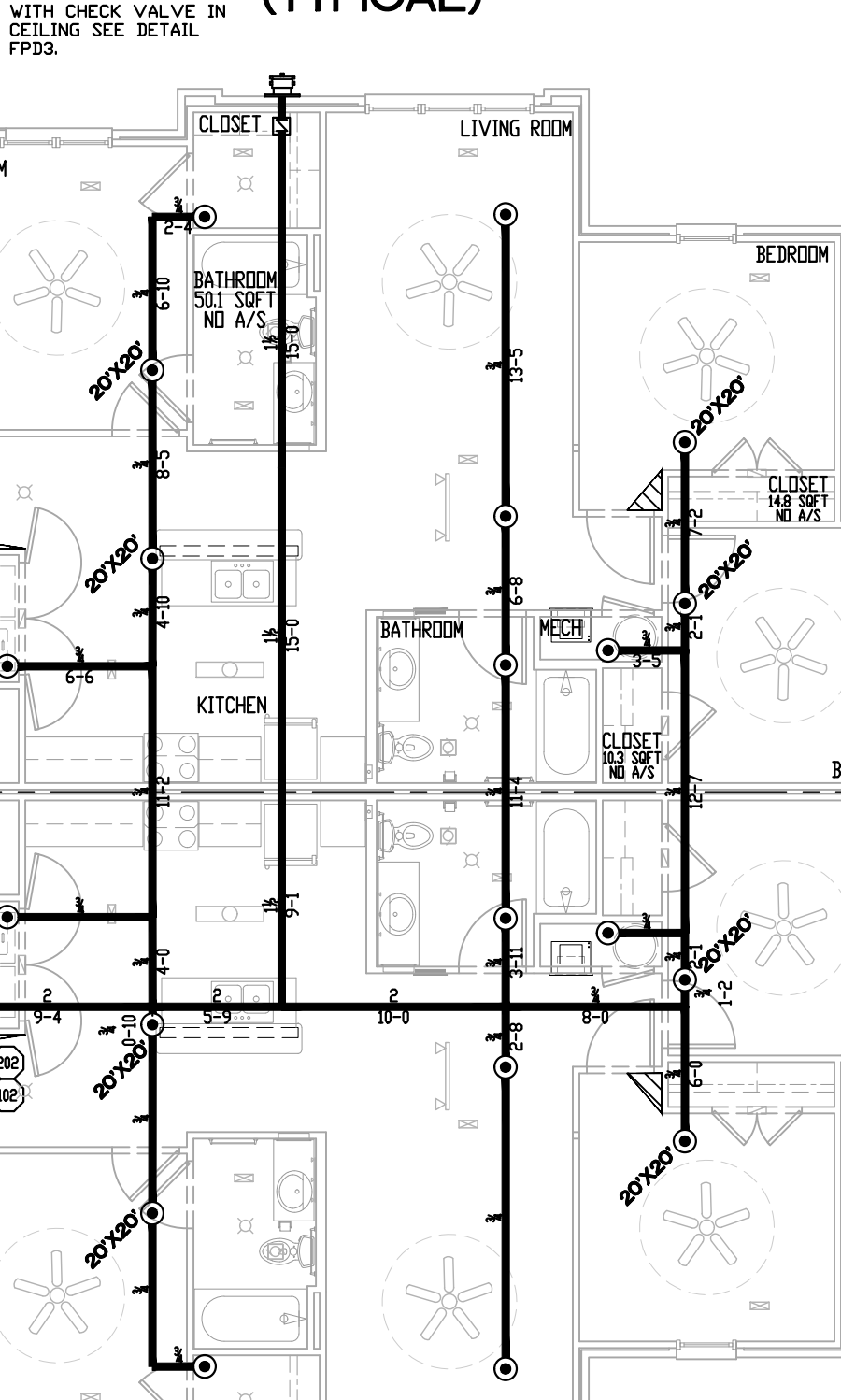
Unit Type B(b)
(TYPICAL)



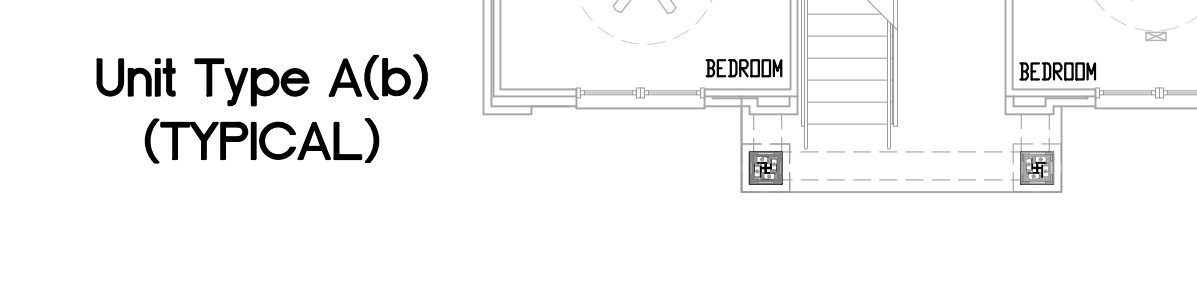
Unit Type B(as)
(TYPICAL)



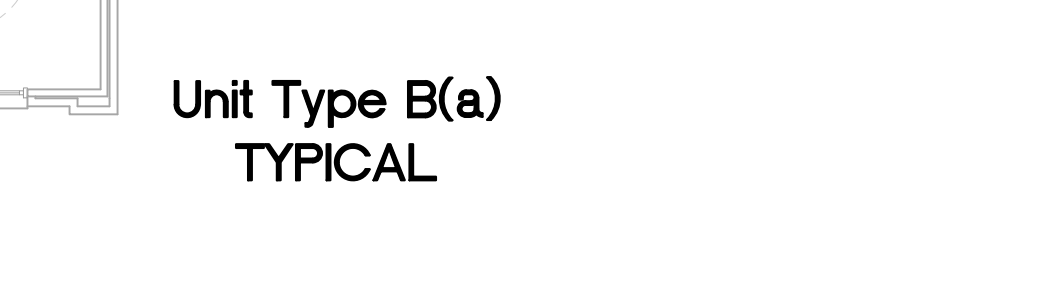
Unit Type C(b)
(TYPICAL)



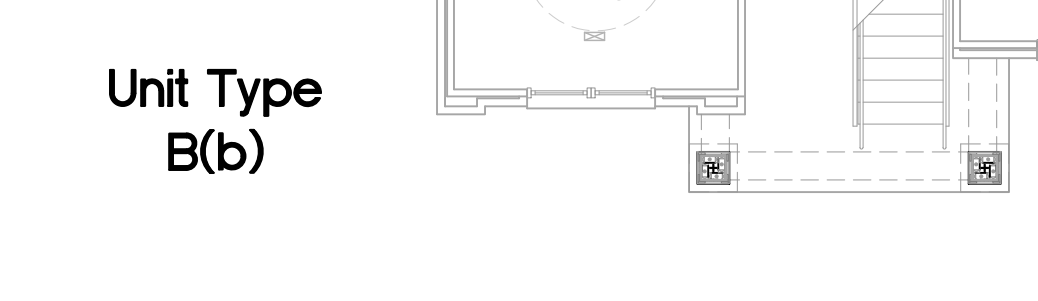
Unit Type A(b)
(TYPICAL)



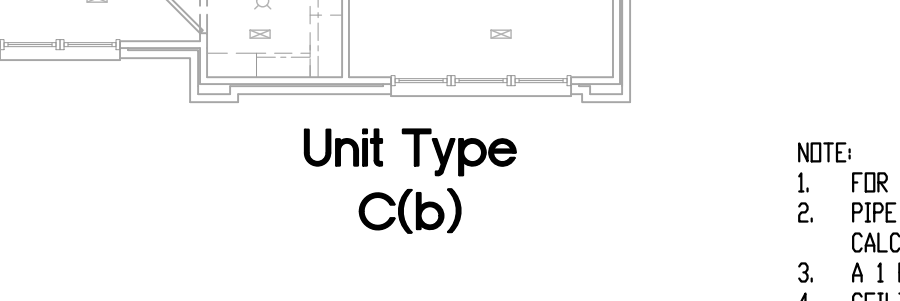
Unit Type B(a)
TYPICAL



Unit Type B(b)



Unit Type C(b)



BUILDING 200 - 2nd FLOOR FIRE SPRINKLER LAYOUT

9,167 Sq Ft

SCALE 1/8" = 1'-0"

BUILDING 200 - 1ST FLOOR FIRE SPRINKLER LAYOUT

9,507 Sq Ft

SCALE 1/8" = 1'-0"

DESIGN AREA 2.3 2nd FLOOR UNIT C, COMMON AREA COMPARTMENT DESIGN PER NFPA 13R, SECTION 7.1.1	
F1 16'W X 16' SPACING 16 GPM @ 13.3 PSI	F2 16'W X 16' SPACING 16 GPM @ 13.3
F3 20' X 20' SPACING 20 GPM @ 16.7	
DENSITY .05	
DOMESTIC DEMAND - 103 GPM	

N.I.C.E.T.

 Christopher Williams
 Fire Protection Engineer
 North Carolina License # 29745

IMPORTANT OWNER INFORMATION
 THIS DRAWING IS BASED ON THE OWNER'S ACCEPTANCE OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROPERTY OF THE OWNER.

CPVC COMPATIBILITY NOTICE
 CPVC FIRE SPRINKLER PIPING SYSTEMS HAVE BEEN SUCCESSFULLY USED FOR MORE THAN 25 YEARS IN NEW CONSTRUCTION. CPVC AND CPVC COMPATIBLE FITTINGS ARE NOT COMPATIBLE WITH CHLORINATED FLUOROCARBON (CFC) AND CHLORINE FLUOROCARBON (CFE) CLEANING AGENTS. CPVC CAN BE DAMAGED BY CONTACT WITH CHLORINATED FLUOROCARBON (CFC) AND CHLORINE FLUOROCARBON (CFE) CLEANING AGENTS. CPVC CAN BE DAMAGED BY CONTACT WITH CHLORINATED FLUOROCARBON (CFC) AND CHLORINE FLUOROCARBON (CFE) CLEANING AGENTS.

COPYRIGHT
 ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER.

GRAPHICS ELEMENTS NOTE
 THE GRAPHICS ELEMENTS SHOWN AND SHOWN AS NOT SHOWN ARE THE PROPERTY OF THE DESIGNER. THESE GRAPHICS ELEMENTS ARE FOR GENERAL INFORMATION ONLY. THE GRAPHIC ELEMENTS SHOWN ARE NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER.

WATER SUPPLY INFORMATION

STATIC PRESSURE	80	TEST PRESSURE	150
RESIDUAL PRESSURE	68	DATE OF TEST	3-20-2021
FLOW IN GPM	1060	TYPE OF TEST	300 GPM / 100' AM
PITOT READING	40	NUMBER OF PORTS FLOWED	1

TEST PROVIDED BY: Lillington Fire Department
 HYDRANT LOCATION: Parker Lane and North Main Street - Hydrant #224

DESIGN CRITERIA

SYSTEM / DESIGN AREA	2.3
HAZARD CLASS	NFPA 13R
TYPE SPRINKLER IN DESIGN AREA	05
MINIMUM DENSITY	.05
DESIGN AREA S.F.	3 SPRINKLERS
PSI READ @ BASR	39.3
GPM READ @ BASR	49.9
PSI READ @ TEST	51.1
GPM READ @ TEST	152.9
ELEVATION @ HIGHEST SPRINKLER	17'-9"
HOSE WASH / OUTSIDE	
DOMESTIC DEMAND	103

SPRINKLERS SPACING

SYMBOL	MAXIMUM	MINIMUM	COMMENTS
⊙	18' x 18' UNID	8' BETWEEN SPRINKLERS	8'-0" MAX SPACING OFF WALLS UNID DEFLECTOR TO BE INSTALLED 1'-0" BELOW CEILING
⊗	225 SQ FT	8' BETWEEN SPRINKLERS	8'-0" MAX SPACING OFF WALLS UNID DEFLECTOR TO BE INSTALLED 1'-0" BELOW CEILING
⊠	16' x 16' UNID	8' BETWEEN SPRINKLERS	8'-0" MAX SPACING OFF WALLS UNID DEFLECTOR TO BE INSTALLED 1'-0" BELOW CEILING
⊡	196 SQ FT	8' BETWEEN SPRINKLERS	8'-0" MAX SPACING OFF WALLS UNID DEFLECTOR TO BE INSTALLED 1'-0" BELOW CEILING

SPRINKLERS

SYMB	QTY	1ST	2ND	3RD	4TH	SIN	SIZE	K	TEMP	MODEL
⊙	74	70	4	-	-	R3516	1/2"	49	175°	RELIABLE MODEL F1 R69 49 WHITE RESIDENTIAL PENDENT WITH WHITE SEMI-RECESSED ESCUTCHEON
⊗	4	-	-	-	-	V3506	1"	56	200°	VICTORIAN MODEL V3506 WHITE QUICK RESPONSE PENDENT SPRINKLER WITH WHITE SEMI-RECESSED ESCUTCHEON
⊠	74	-	-	-	-	R3531	1/2"	44	175°	RELIABLE MODEL F1 R69 44 RESIDENTIAL HORIZ SIDEWALL WITH WHITE SEMI-RECESSED ESCUTCHEON
⊡	16	16	16	-	-	R5714	1"	56	200°	RELIABLE MODEL F308 WHITE QUICK RESPONSE 30" HORIZONTAL SIDEWALL SPRINKLER WITH WHITE SLEEVE AND SKIRT ESCUTCHEON 12" LONG
	90	90	94	-	-					TOTAL PER FLOOR
	274									TOTAL THIS BUILDING

DATE SUBMITTALS

DATE	REVISION	BY
3-16-2021	QA Review	DH
2-1-2023	Permit	DH

REVISIONS

NO.	DATE	REVISIONS	BY
1	XX/XX/XX		

WAYNE
 Automatic Fire Sprinklers, Inc.
 MAIN OFFICE - ORLANDO, FLORIDA
 222 CAPITOL COURT ORLANDO FLORIDA 32781
 PHONE (407) 858-3030 FAX (407) 858-8088

JACKSONVILLE, FL 32609-1000 TAMPA, FL 33607-0000 GERRARD BEACH, FL 32161-0000
 JACKSONVILLE, FL 32205-0000 TAMPA, FL 33607-0000 GERRARD BEACH, FL 32161-0000
 PHONE (904) 388-3242 PHONE (813) 830-0200 PHONE (386) 871-4624
 FAX (904) 388-0764 FAX (813) 830-0200 FAX (386) 871-4624

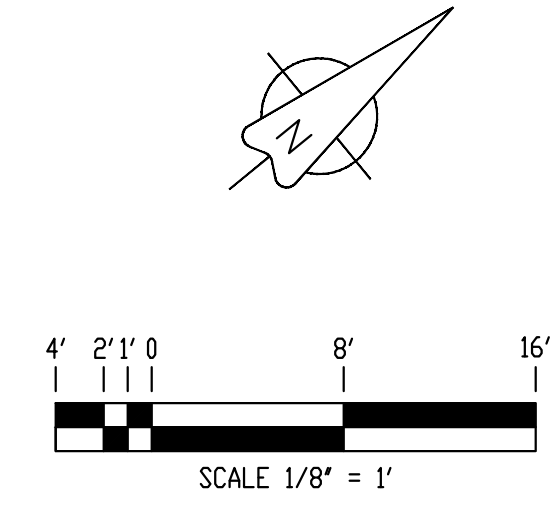
FT. MYERS, FL 33901-0000 CONCORD, NC 28027-0000 STATE LICENSED
 4825 LANTANA AVE. CONCORD, NC 28027-0000 NC SPRINKLER
 FT. MYERS, FL 33901-0000 PHONE (813) 433-2822 NC ALARM 8889 OF LV
 PHONE (813) 433-2822 FAX (813) 433-2822 NC SPRINKLER IN
 NC ALARM 3085

JUNIPER VILLAGE
 PARKER LANE
 LILLINGTON, NORTH CAROLINA

Wynnefield Properties
 5614 Riverdale Road
 Jamestown, NC 27282

SHEET TITLE: Building 200 1st & 2nd Floor Fire Sprinkler Plan
 DRAWN BY: Donald Hawkins
 TOTAL A/S: 938
 DATE: 3-5-2021
 ANS: Town of Lillington
 CONTRACT #: 102001
 CENTER OF FILE JOB: YES NO CENTER ON FIXTURES JOB: YES NO
 SHEET # **FP2.1** CONSTRUCTION TYPE: V-B OCCUPANCY: R-2

- NOTE:
- FOR FIRE SPRINKLER RISER DETAIL SEE SHEET FP03.
 - PIPE LENGTHS FOR TYPICAL UNITS AND UNITS WITHOUT HYDRAULIC CALCULATION POINTS HAVE BEEN OMITTED FOR CLARITY.
 - A 1 HOUR FIRE WALL IS PROVIDED BY OTHERS BETWEEN DWELLING UNITS.
 - CEILING IN UNITS ARE 8'-0" AFF UNLESS NOTED OTHERWISE.
 - THE RISER ROOM SHALL BE HEATED AND MAINTAINED AT NO LESS THAN 40° (HEAT IS TO BE PROVIDED BY OTHERS).
 - HORIZONTAL SIDEWALL SPRINKLERS ON THE TOP FLOOR ARE SUPPLIED BY AN 8" X 8" SECTION OF CPVC PIPE.



UNIT A			UNIT B, B2 and C		
FIXTURE LOAD PER ITEM	NUMBER OF ITEMS	ITEM	FIXTURE LOAD PER ITEM	NUMBER OF ITEMS	ITEM
1	6	BATH GROUPS W/ FLUSH TANK	2	6	BATH GROUPS W/ FLUSH TANK
2	0	BATH TUB OR SHOWER STALL	2	0	BATH TUB OR SHOWER STALL
1	2	KITCHEN SINKS	1	2	KITCHEN SINKS
1	0	LAVATORY	1	0	LAVATORY
1	1	WATER CLOSET W/ FLUSH TANK	1	1	WATER CLOSET W/ FLUSH TANK
1	1	DISHWASHERS	1	1	DISHWASHERS
1	2	WASHING MACHINES	1	2	WASHING MACHINES
TOTAL FIXTURE LOAD PER UNIT		11	TOTAL FIXTURE LOAD PER UNIT		17

UNIT A UNIT B & C		
TOTAL FIXTURE LOAD PER UNIT	11	17
TOTAL UNITS PER BUILDING	6	18
TOTAL LOAD UNITS PER UNIT	66	306
TOTAL UNIT DEMAND PER BUILDING	372	
TOTAL DOMESTIC DEMAND PER BLDG IN GPM INTERPOLATION USED	103	

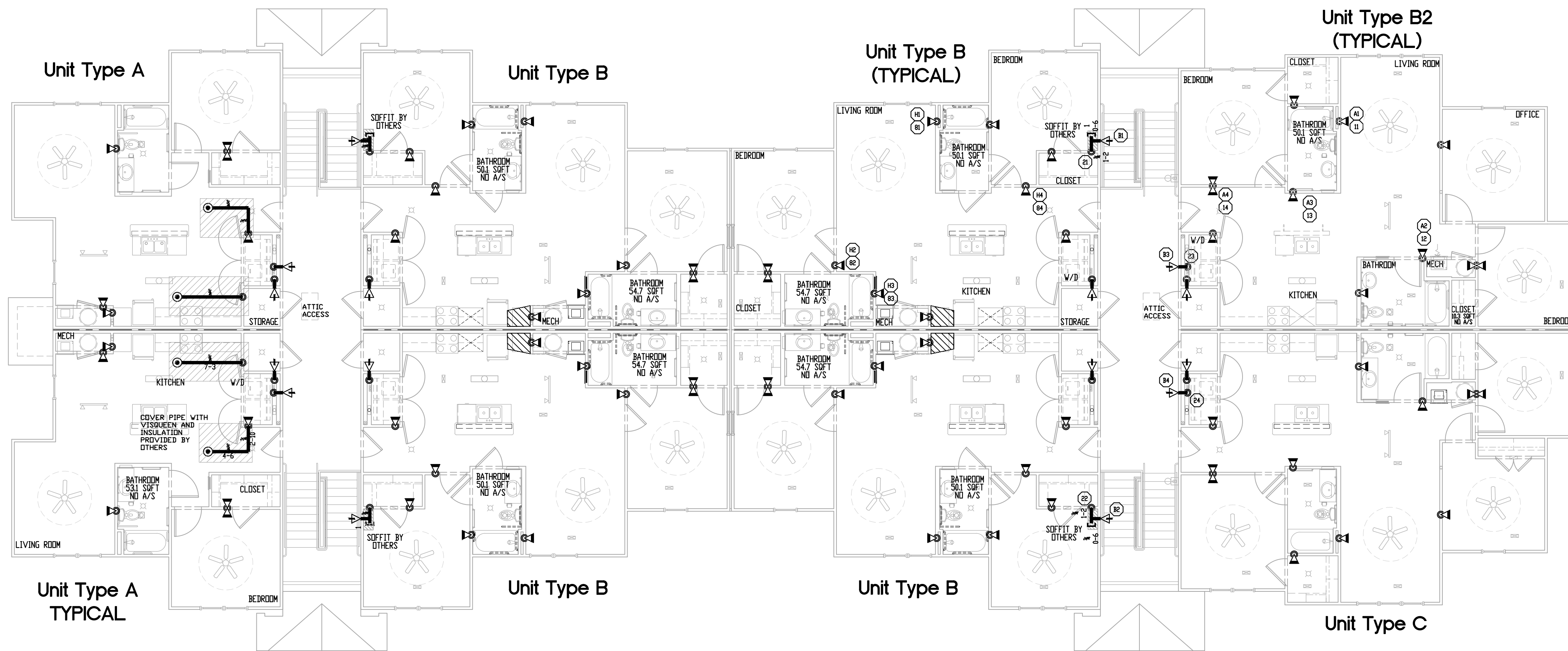
TABLES A.9.6 (a)/(b) DOMESTIC DEMAND
 WAYNE Automatic Fire Sprinklers, Inc. SCALE: NONE

00333N

DESIGN AREA 2.4 3rd FLOOR UNIT B COMMON AREA COMPARTMENT DESIGN PER NFPA 13R, SECTION 7.1.1			
H1	16'W X 16' SPACING 16 GPM @ 13.3 PSI	H2	16'W X 16' SPACING 16 GPM @ 13.3 PSI
H3	16'W X 16' SPACING 16 GPM @ 13.3 PSI	H4	16'W X 16' SPACING 16 GPM @ 13.3 PSI
DENSITY .05 DOMESTIC DEMAND - 103 GPM			

DESIGN AREA 2.2 3rd FLOOR OUTSIDE DWELLING UNIT DESIGN PER NFPA 13R, SECTION 7.2			
B1	122 FT ² .10 DENSITY @ 7 PSI	B2	122 FT ² .10 DENSITY @ 7 PSI
B3	122 FT ² .10 DENSITY @ 7 PSI	B4	122 FT ² .10 DENSITY @ 7 PSI
DENSITY .10 DOMESTIC DEMAND - 103 GPM			

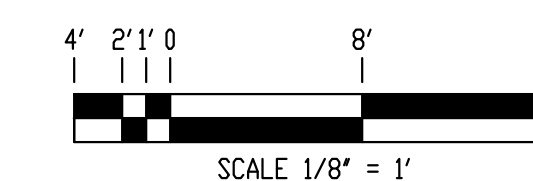
DESIGN AREA 2.1 3rd FLOOR UNIT B2 COMMON AREA COMPARTMENT DESIGN PER NFPA 13R, SECTION 7.1.1			
A1	16'W X 16' SPACING 16 GPM @ 13.3 PSI	A2	16'W X 16' SPACING 16 GPM @ 13.3 PSI
A3	16'W X 16' SPACING 16 GPM @ 13.3 PSI	A4	16'W X 16' SPACING 16 GPM @ 13.3 PSI
DENSITY .05 DOMESTIC DEMAND - 103 GPM			



BUILDING 200 - 3rd FLOOR FIRE SPRINKLER LAYOUT

8,737 Sq Ft

SCALE 1/8" = 1'-0"



- NOTE:
- FOR FIRE SPRINKLER RISER DETAIL SEE SHEET FP03.
 - PIPE LENGTHS FOR TYPICAL UNITS AND UNITS WITHOUT HYDRAULIC CALCULATION POINTS HAVE BEEN OMITTED FOR CLARITY.
 - A 1 HOUR FIRE WALL IS PROVIDED BY OTHERS BETWEEN DWELLING UNITS.
 - CEILINGS IN UNITS ARE 8'-0" AFF UNLESS NOTED OTHERWISE.
 - THE RISER ROOM SHALL BE HEATED AND MAINTAINED AT NO LESS THAN 40° (HEAT IS TO BE PROVIDED BY OTHERS)
 - HORIZONTAL SIDEWALL SPRINKLERS ON THE TOP FLOOR ARE SUPPLIED BY AN 1/2" X 8'-3" SECTION OF CPVC PIPE.

N.I.C.E.T.
 Christopher A. Williams
 8/27/21 Level 3
 Certification Number 115724
 North Carolina Licence # 29745

IMPORTANT OWNER INFORMATION
 THIS DRAWING IS BASED ON THE OWNER'S ACCEPTANCE OF THE CURRENTLY ADOPTED EDITIONS OF THE LOCAL OR STATE CODES OF ORDINANCES AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES. THE OWNER SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF THE FIRE PROTECTION SYSTEM. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF THE SYSTEM. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF THE SYSTEM. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF THE SYSTEM. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF THE SYSTEM.

CPVC COMPATIBILITY NOTICE
 CPVC FIRE SPRINKLER PIPING SYSTEMS HAVE BEEN SUCCESSFULLY USED FOR MORE THAN 25 YEARS IN NEW CONSTRUCTION. CPVC AND CPVC FITTINGS ARE COMPATIBLE WITH ALL COMMONLY USED FIRE PROTECTION MATERIALS. CPVC IS NOT COMPATIBLE WITH ALL COMMONLY USED FIRE PROTECTION MATERIALS. CPVC IS NOT COMPATIBLE WITH ALL COMMONLY USED FIRE PROTECTION MATERIALS. CPVC IS NOT COMPATIBLE WITH ALL COMMONLY USED FIRE PROTECTION MATERIALS. CPVC IS NOT COMPATIBLE WITH ALL COMMONLY USED FIRE PROTECTION MATERIALS.

COPYRIGHT
 ALL RIGHTS RESERVED. INCLUDING ORIGINAL DRAWING, REPRODUCTION, TRANSMISSION, AND DATA. INCLUDING COMPUTER PROGRAMS. PROGRAMS TO THE PROPERTY OF WAYNE AUTOMATIC FIRE SPRINKLERS, INC. NO PART OF THIS DRAWING OR ANY INFORMATION HEREON MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF WAYNE AUTOMATIC FIRE SPRINKLERS, INC. THIS DRAWING IS THE PROPERTY OF WAYNE AUTOMATIC FIRE SPRINKLERS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF WAYNE AUTOMATIC FIRE SPRINKLERS, INC.

GRAPHICS ELEMENTS NOTE
 THE SPRINKLER CONSTRUCTION DRAWINGS AND SHOP DRAWINGS MAY INCLUDE REVISIONS. REVISIONS OR CHANGES INDICATED FROM THE ARCHITECTURAL, CIVIL, STRUCTURAL, OR MEP DRAWINGS. THESE REVISIONS AND CHANGES ARE FOR GENERAL INFORMATION ONLY. THE FIRE SPRINKLER ENGINEER DOES NOT ACCEPT RESPONSIBILITY FOR SUCH ELEMENTS. THE FIRE SPRINKLER ENGINEER IS ONLY RESPONSIBLE FOR THE PORTION OF THE FIRE SPRINKLER DRAWINGS SPECIFIC TO THE SPRINKLER SYSTEM. THE FIRE SPRINKLER ENGINEER DOES NOT ACCEPT RESPONSIBILITY FOR SUCH ELEMENTS. THE FIRE SPRINKLER ENGINEER IS ONLY RESPONSIBLE FOR THE PORTION OF THE FIRE SPRINKLER DRAWINGS SPECIFIC TO THE SPRINKLER SYSTEM.

WATER SUPPLY INFORMATION		
STATIC PRESSURE	80	FIRE PUMP
RESIDUAL PRESSURE	68	HYDRANT ELEV.
FLOW IN GPM	1060	DATE OF TEST
PITOT READING	40	TEST DATE
TEST PROVIDED BY	Lillington Fire Department	NUMBER OF PORTS FLOWED
TEST LOCATION	Parker Lane and North Main Street - Hydrant #224	

DESIGN CRITERIA		
SYSTEM / DESIGN AREA	21	22
HAZARD CLASS	NFPA 13R	NFPA 13R
# OF SPRINKLERS IN DESIGN AREA	4	4
MINIMUM DENSITY	.05	.05
DESIGN AREA SF.	4 SPRINKLERS	4 SPRINKLERS
PSI REQ'D @ BASK	37.2	34.7
GPM REQ'D @ BASK	65.7	62.3
PSI REQ'D @ TEST	68.6	46.2
GPM REQ'D @ TEST	168.7	165.3
ELEVATOR @ HIGHEST SPRINKLER	27'-6"	27'-6"
HEAD IN/OUTSIDE	103	103
DOMESTIC DEMAND	103	103

SPRINKLERS SPACING		
SYMBOL	MAXIMUM	MINIMUM
⊙	18' x 18' UNIFORM	8' BETWEEN SPRINKLERS
⊗	225 SQ FT	7'-6" MAX SPACING OFF WALLS UNDO DEFLECTOR TO BE INSTALLED 1" - 2" BELOW CEILING
⊠	16' x 16' UNIFORM	8' BETWEEN SPRINKLERS
⊡	196 SQ FT	7'-6" MAX SPACING OFF WALLS UNDO DEFLECTOR TO BE INSTALLED 1" - 2" BELOW CEILING

SPRINKLERS		
SYMB	QTY	MODEL
⊙	74	RS516 1/2" 49 175°
⊗	4	V3506 1" 56 200°
⊠	74	RS531 1/2" 44 175°
⊡	16	RS714 1" 56 200°
TOTAL PER FLOOR		168
TOTAL THIS BUILDING		276

DATE	SUBMITTALS	BY
3-16-2021	QA Review	DH
2-1-2023	Permit	DH

NO.	DATE	REVISIONS	BY
1	XX/XX/XX	--	--

WAYNE
 Automatic Fire Sprinklers, Inc.
 MAIN OFFICE - ORLANDO, FLORIDA
 222 CAPITOL COURT, ORLANDO, FLORIDA 32701
 PHONE (407) 858-3030 FAX (407) 858-8088

JACKSONVILLE, FL 8888 UNIVERSITY BLVD. SUITE 100 JACKSONVILLE, FL 32216-2746 PHONE (904) 328-3272 FAX (904) 328-0724	TAMPA, FL 3808 LORRY PALM DRIVE TAMPA, FL 33618-0227 PHONE (813) 832-0263 FAX (813) 832-0262	DEERFIELD BEACH, FL 800 S. PINEAPPLE AVENUE DEERFIELD BEACH, FL 33442 PHONE (561) 971-2624 FAX (561) 971-2624
FT. MYERS, FL 4625 METROBLVD. FT. MYERS, FL 33907-4804 PHONE (888) 423-3030 FAX (888) 423-3030	CONCORD, NC 4000 METROBLVD. CONCORD, NC 28027-6877 PHONE (704) 788-8888 FAX (704) 788-8888	STATE LICENSE NC SPRINKLER 8705 NC ALARM 8808 OF LV IC SPRINKLER 88 IC ALARM 3085

JUNIPER VILLAGE
 PARKER LANE
 LILLINGTON, NORTH CAROLINA

Wynnefield Properties
 5614 Riverdale Road
 Jamestown, NC 27282

SHEET TITLE:	Building 200 3rd Floor Fire Sprinkler Plan
DRAWN BY:	Donald Hawkins
TOTAL A/S:	938
DATE:	3-5-2021
APP'D:	Town of Lillington
CONTRACT #:	102001
CENTER OF TITLE (JOB) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CENTER ON FIXTURES (JOB) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

SHEET # **FP2.2**
 CONSTRUCTION TYPE: V-B
 OCCUPANCY: R-2

IMPORTANT OWNER INFORMATION
 THIS DRAWING IS BASED ON THE OWNER'S ACCEPTANCE OF THE CURRENTLY APPLICABLE EDITIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13 AND 13R CODES. THE OWNER'S RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED IN THIS DRAWING IS NOT TRANSFERRED TO THE ENGINEER AND CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION PROVIDED IN THIS DRAWING AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTION.

CPVC COMPATIBILITY NOTICE
 CPVC FIRE SPRINKLER PIPING SYSTEMS HAVE BEEN USED SUCCESSFULLY FOR MORE THAN 25 YEARS IN NEW CONSTRUCTION. CPVC AND CPVC FITTINGS ARE COMPATIBLE WITH THE FOLLOWING MATERIALS: STEEL, BRASS, COPPER, ALUMINUM, GALVANNEAL, AND STAINLESS STEEL. CPVC IS NOT COMPATIBLE WITH THE FOLLOWING MATERIALS: BRASS, COPPER, ALUMINUM, GALVANNEAL, AND STAINLESS STEEL. CPVC IS NOT COMPATIBLE WITH THE FOLLOWING MATERIALS: BRASS, COPPER, ALUMINUM, GALVANNEAL, AND STAINLESS STEEL. CPVC IS NOT COMPATIBLE WITH THE FOLLOWING MATERIALS: BRASS, COPPER, ALUMINUM, GALVANNEAL, AND STAINLESS STEEL.

COPYRIGHT
 ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF WAYNE AUTOMATIC FIRE SPRINKLERS, INC. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THIS DRAWING IS STRICTLY PROHIBITED AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

GRAPHICS ELEMENTS NOTE
 THE SPINKLER CONSTRUCTION DRAWINGS AND SHOP DRAWINGS ARE THE PROPERTY OF WAYNE AUTOMATIC FIRE SPRINKLERS, INC. AND SHALL BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECT OR SITE WITHOUT THE WRITTEN PERMISSION OF WAYNE AUTOMATIC FIRE SPRINKLERS, INC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTION.

WATER SUPPLY INFORMATION

ACTUAL	DESIGN OR ESTIMATED AS REV'D BY A.U.D.	FIRE FLOW	HYDRANT ELEV.
80	-	1500	163 (3'-9")
68	-	1000	163 (3'-9")
1000	-	1000	163 (3'-9")
40	-	1	1

TEST PROVIDED BY: Lillington Fire Department
 HYDRANT LOCATION: Parker Lane and North Main Street - Hydrant #224

DESIGN CRITERIA

SYMBOL	MAXIMUM	MINIMUM	COMMENTS
SYMB 1ST			
SYMB 2ND			
SYMB 3RD			
SYMB 4TH			
SYMB SIN			
SYMB SIZE			
SYMB K			
SYMB TEMP			
SYMB MODEL			

TOTAL PER FLOOR: _____
 TOTAL THIS BUILDING: _____

SPRINKLERS SPACING

SYMBOL	MAXIMUM	MINIMUM	COMMENTS
SYMB 1ST			
SYMB 2ND			
SYMB 3RD			
SYMB 4TH			
SYMB SIN			
SYMB SIZE			
SYMB K			
SYMB TEMP			
SYMB MODEL			

QUANTITY - SPRINKLERS

SYMB	1ST	2ND	3RD	4TH	SIN	SIZE	K	TEMP	MODEL

DATE SUBMITTALS BY

DATE	SUBMITTALS	BY
2-24-2021	QA Review	DH
3-4-2021	Permit	DH

NO. DATE REVISIONS BY

NO.	DATE	REVISIONS	BY
1	XX/XX/XX	--	--

WAYNE
 Automatic Fire Sprinklers, Inc.
 MAIN OFFICE - ORLANDO, FLORIDA
 222 CAPITOL COURT ORLANDO, FLORIDA 32718
 PHONE (407) 858-3030 FAX (407) 858-8088

JACKSONVILLE, FL 3808 UNIVERSITY BLVD. SUITE 100 JACKSONVILLE, FL 32216-2746 PHONE: (904) 328-3272 FAX: (904) 328-0724	TAMPA, FL 3808 UNIVERSITY BLVD. SUITE 100 TAMPA, FL 33610-2746 PHONE: (813) 830-3272 FAX: (813) 830-0724	ORLANDO, FL 3808 UNIVERSITY BLVD. SUITE 100 ORLANDO, FL 32716-2746 PHONE: (407) 858-3030 FAX: (407) 858-8088
---	---	---

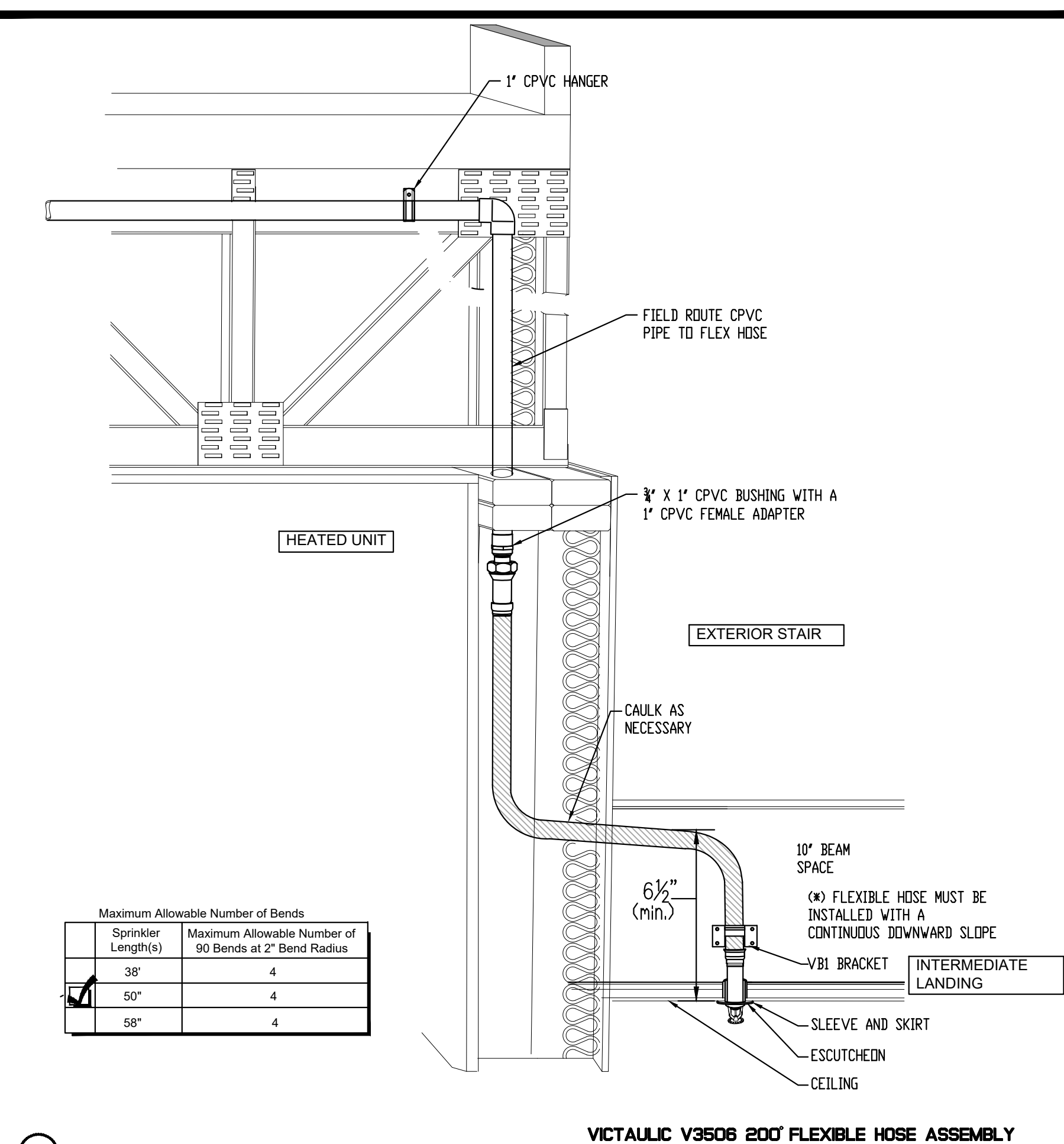
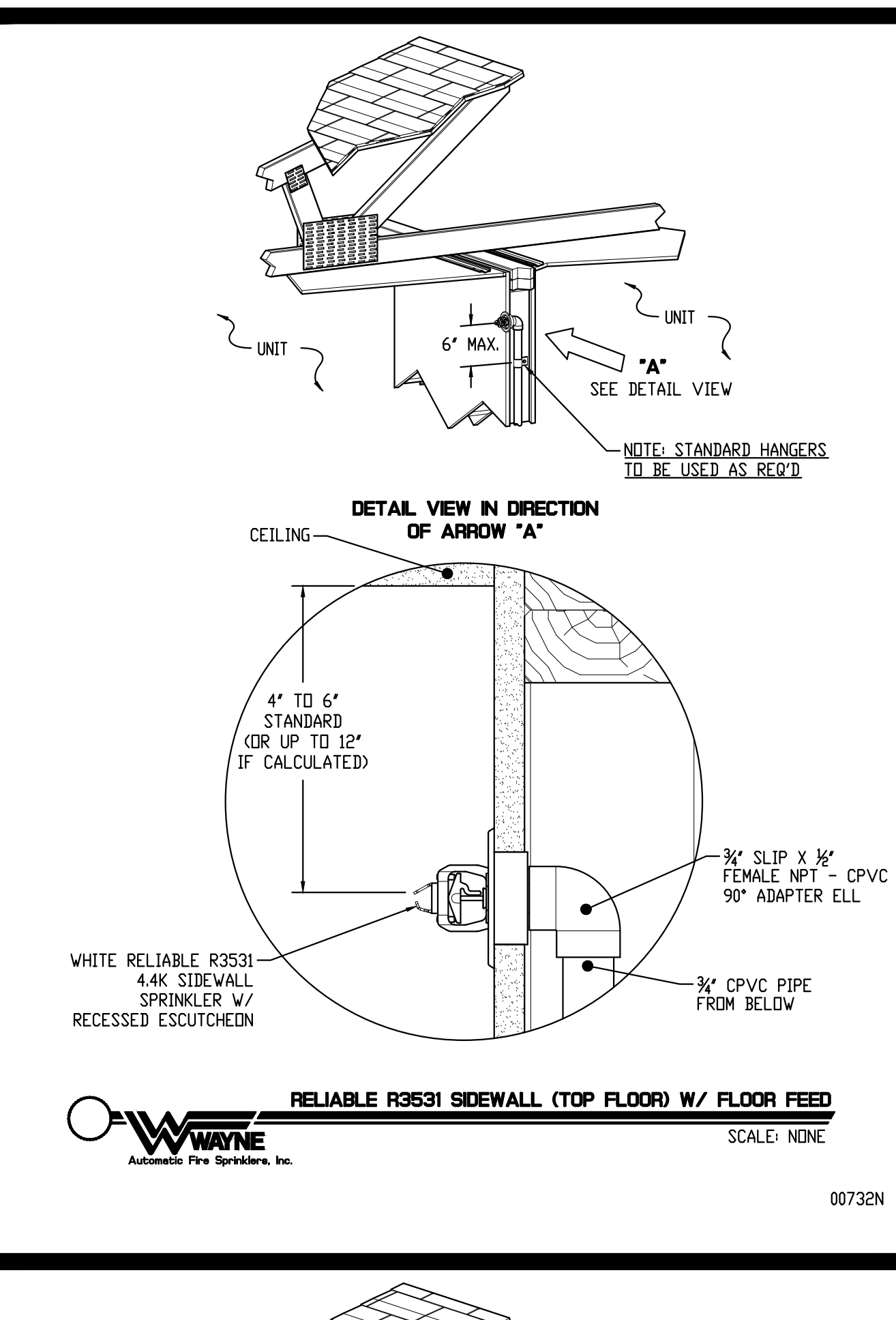
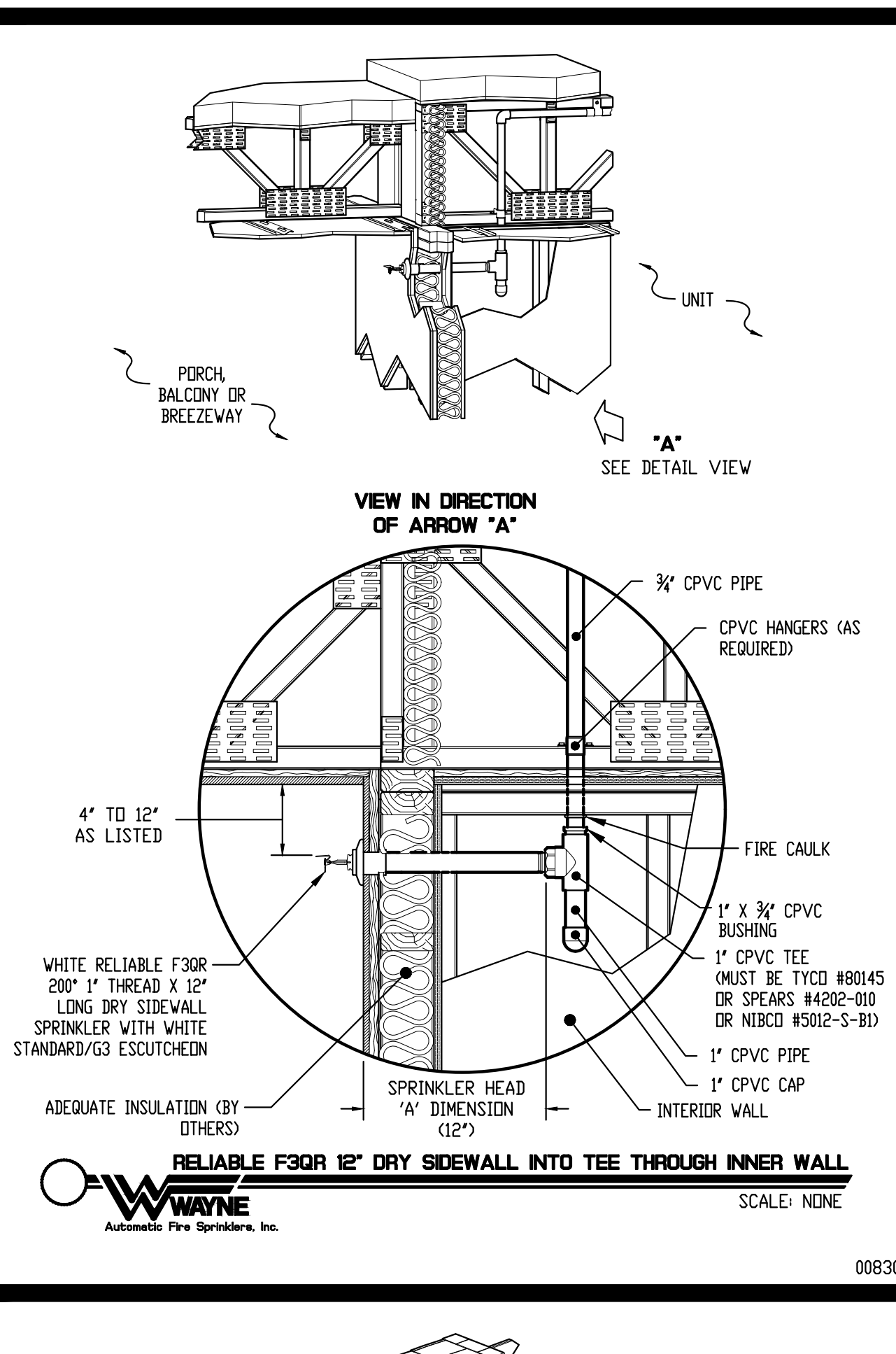
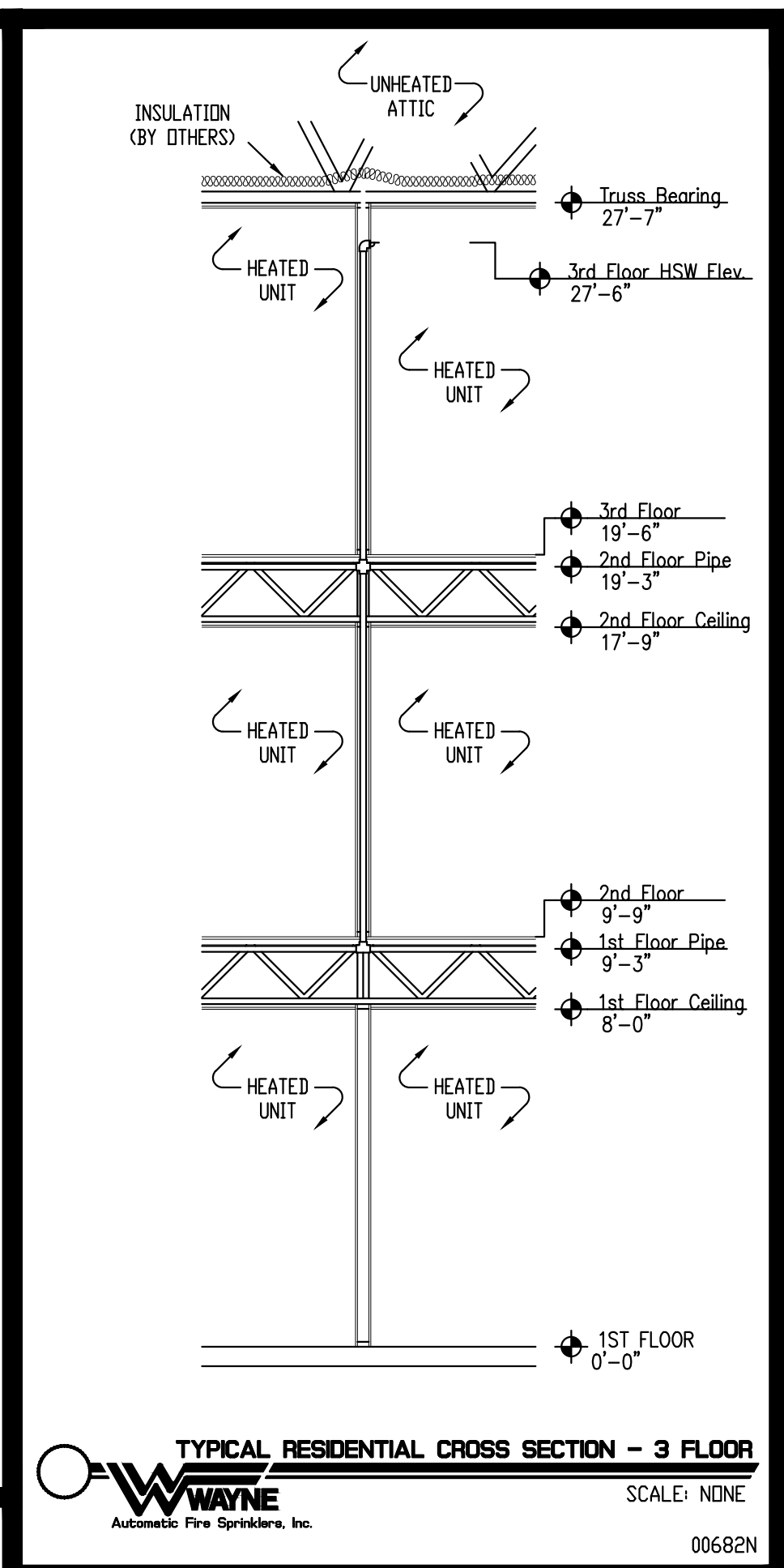
WAYNE
 Automatic Fire Sprinklers, Inc.
 MAIN OFFICE - ORLANDO, FLORIDA
 222 CAPITOL COURT ORLANDO, FLORIDA 32718
 PHONE (407) 858-3030 FAX (407) 858-8088

JACKSONVILLE, FL 3808 UNIVERSITY BLVD. SUITE 100 JACKSONVILLE, FL 32216-2746 PHONE: (904) 328-3272 FAX: (904) 328-0724	TAMPA, FL 3808 UNIVERSITY BLVD. SUITE 100 TAMPA, FL 33610-2746 PHONE: (813) 830-3272 FAX: (813) 830-0724	ORLANDO, FL 3808 UNIVERSITY BLVD. SUITE 100 ORLANDO, FL 32716-2746 PHONE: (407) 858-3030 FAX: (407) 858-8088
---	---	---

JUNIPER VILLAGE
 PARKER LANE
 LILLINGTON, NORTH CAROLINA

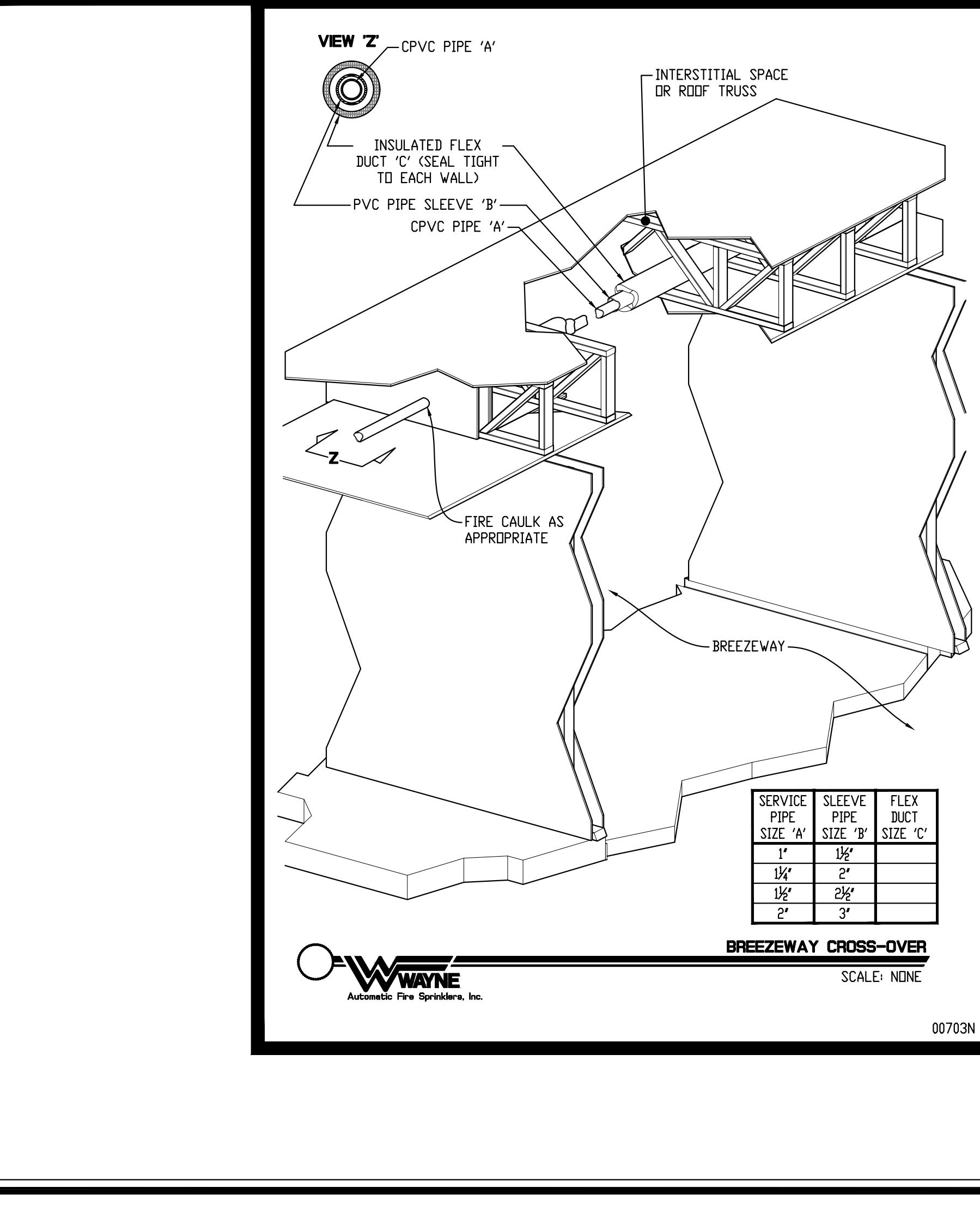
Wynnefield Properties
 5614 Riverdale Road
 Jamestown, NC 27282

SHEET TITLE: Notes and Details 2
DRAWN BY: Donald Hawkins
TOTAL A/S: 938
DATE: 3-5-2021
CONTRACT #: 102001
CENTER OF TILE JOB? YES NO **CENTER ON FIXTURES JOB?** YES NO
SHEET # **CONSTRUCTION TYPE:** V-B
OCCUPANCY: R-2

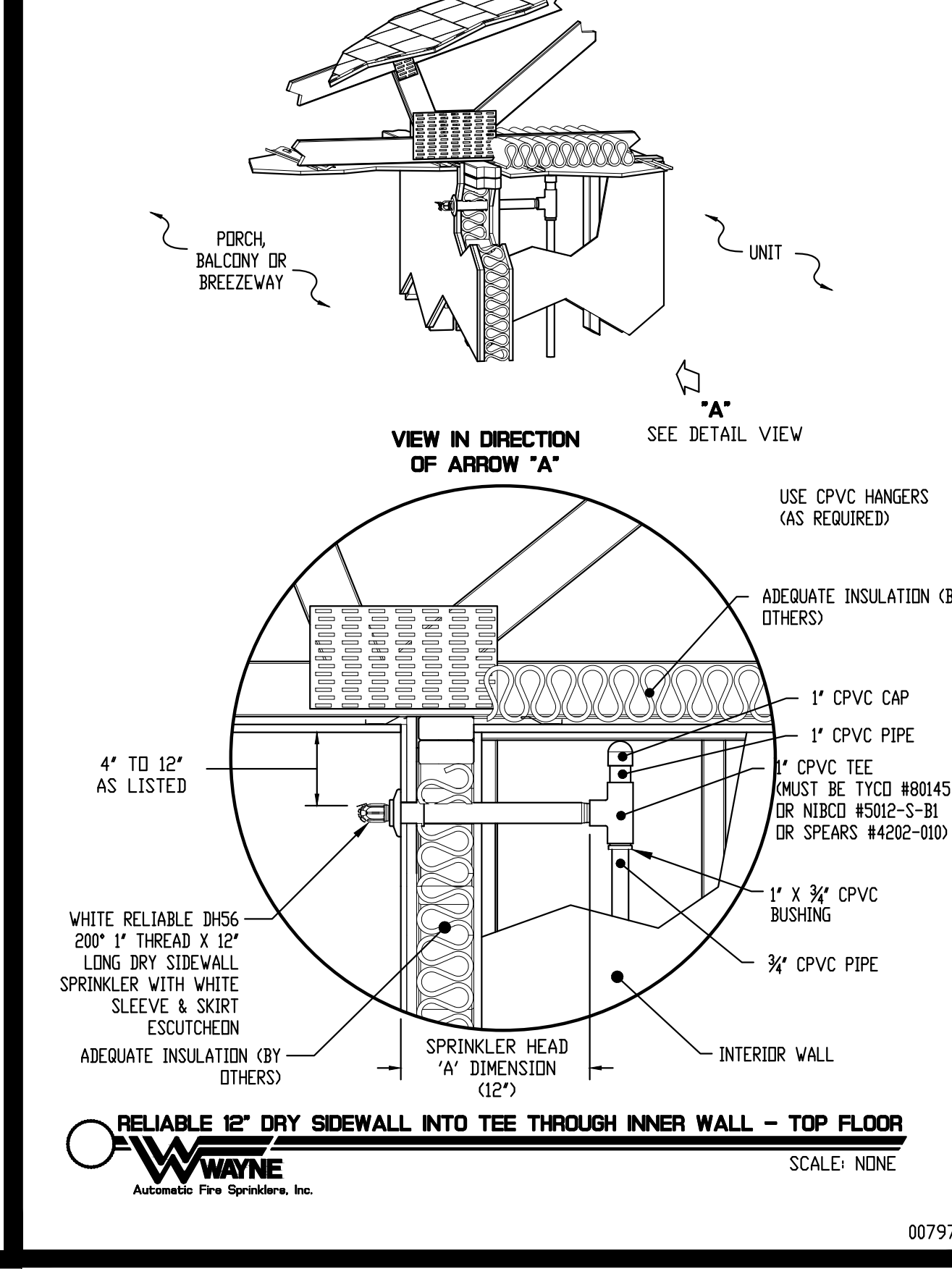
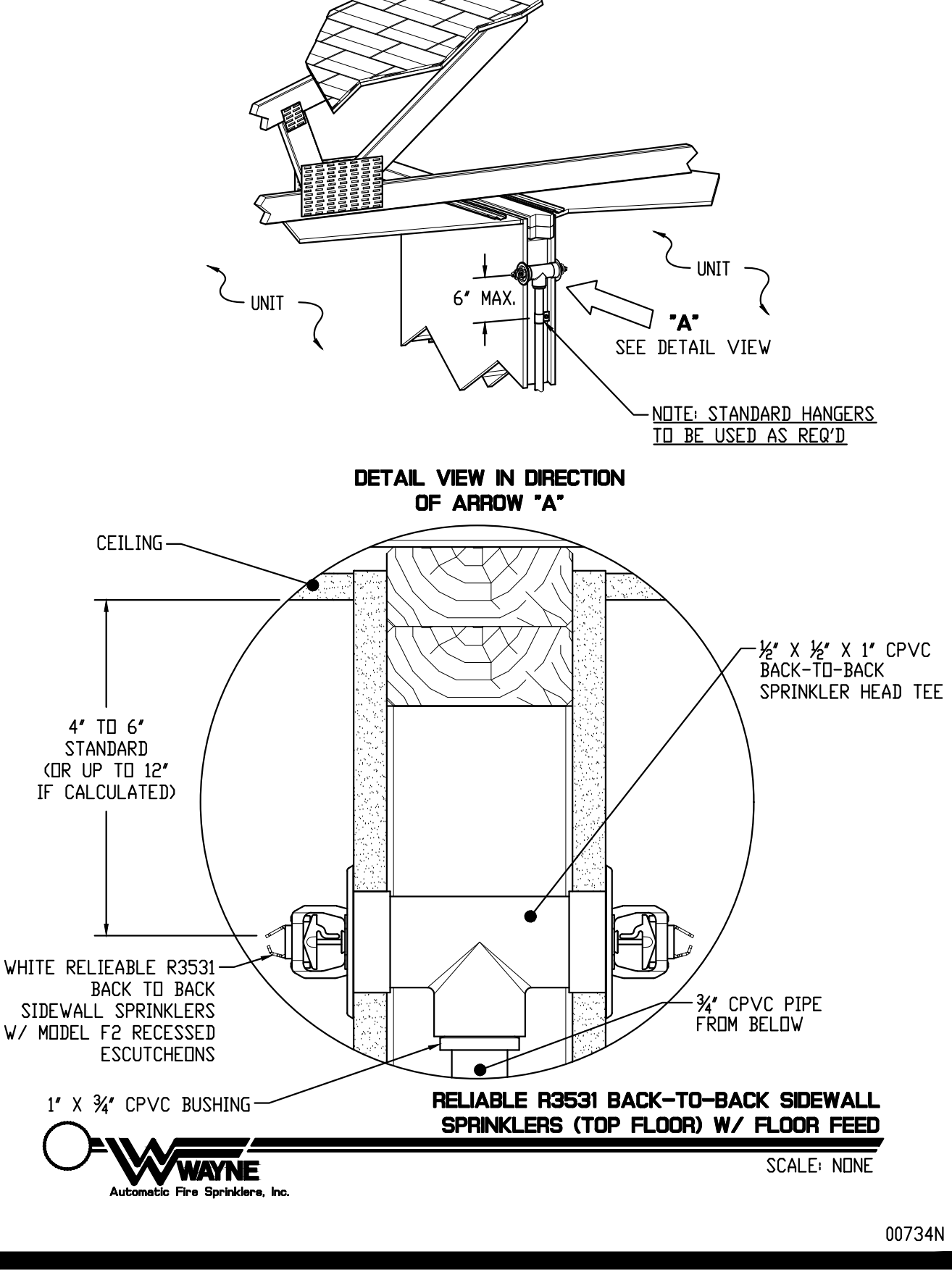


Maximum Allowable Number of Bends

Sprinkler Length(s)	Maximum Allowable Number of 90 Bends at 2' Bend Radius
38'	4
50'	4
58'	4



WAYNE
 Automatic Fire Sprinklers, Inc.
 SCALE: NONE
 00703N



WAYNE
 Automatic Fire Sprinklers, Inc.
 SCALE: NONE
 00732N

WAYNE
 Automatic Fire Sprinklers, Inc.
 SCALE: NONE
 00797N

WAYNE
 Automatic Fire Sprinklers, Inc.
 SCALE: NONE
 00682N

