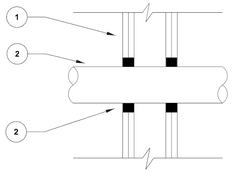
U.L. SYSTEM NO. WL 2098

CLOSED PVC / CPVC PLASTIC PIPE THROUGH
1-HR. AND 2-HR. GYPSUM WALL ASSEMBLY
F RATING = 1-HR. AND 2-HR.
T RATING = 1-HR. AND 2-HR.
L RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L RATING AT 400ºF = 4 CFM/SQ. FT.



1. GYPSUM WALL ASSEMBLY (1-HR. AND 2-HR. FIRE RATED)(2 -HR. SHOWN)
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 2" DIAMETER PVC PLASTIC PIPE (CLOSED PIPING SYSTEM)
   B. MAXIMUM 2" DIAMETER CPVC PLASTIC PIPE (CLOSED PIPING SYSTEM)
3. HILTI FS-ONE FIRESTOP SEALANT:
   A. MINIMUM 5/8" DEPTH OF SEALANT FOR 1-HR. FIRE RATING
   B. MINIMUM 1 1/4" DEPTH OF SEALANT FOR 2-HR. FIRE RATING

NOTES: 1. ANNULAR SPACE = MINIMUM 3/4" MAXIMUM 1 1/4"
2. MAXIMUM DIAMETER OF OPENING = 4 3/8"

DETAIL OF CPVC PIPE THROUGH RATED WALL

SCALE: NTS

Caution

This building contains a CPVC fire sprinkler system. This CPVC fire sprinkler system is a Life Safety Assembly and must be treated carefully. Please read the following before any activity which could contact or be in close proximity of this system:

CPVC piping components may be damaged by certain substances and construction practices.

- **DO NOT** stack, support, hang equipment, or hang flexible wire/cable (especially communications cable), or any other material on or from the fire sprinkler system.
- **Only** system compatible materials including, but not limited to, solvent cements, caulks, sealants, cutting oils and thread pastes as noted at www.systemcompatible.com should be used in contact with this system
- **DO NOT** expose CPVC products to incompatible substances such as cutting oils, non-water based paints, packing oils, traditional pipe thread paste and dope, fungicides, pesticides, detergents, building caulks, adhesive tapes, solder flux, flexible wire/cable (with special consideration for communications cabling), and non-approved spray foam materials. Check www.systemcompatible.com if you are not sure about compatibility.
- **DO NOT** expose CPVC products to edible oils, solvents, or glycol-based anti-freeze fluids.
- **DO NOT** expose CPVC products to open flame, solder, or soldering flux.
- **DO NOT** drop, distort, or impact CPVC products or allow objects to be dropped on them.
- **DO NOT** handle CPVC products with gloves that have been contaminated with oils (hydrocarbons) or other incompatible products.

Failure to follow this notice may cause cracks or fractures to develop in CPVC products resulting in property damage and/or personal injury due to leaks or flooding. The presence of any visible cracks may require partial or full system replacement. For additional information contact the general contractor, the fire sprinkler system installer, or the CPVC piping manufacturer.

FIRE SPRINKLER SYSTEM GENERAL INFORMATION

Name: MAYNARD CROSSINGS APARTMENTS
Location: 102 MAYNARD LAKE RD.
High Piled Storage: ☐ Yes ☒ No | **Rack Storage:** ☐ Yes ☒
Maximum Storage Height: N/A
Minimum Aisle Width: N/A
Commodity Classification: N/A
Encapsulation: ☐ Yes ☒ No | **Solid Shelving:** ☐ Yes ☒

Flow Test Data
Date: 2-25-2026
Location: MAYNARD LAKE RD. & EAST JACKSON BLVD.
Static: 54
Resid: 51
Flow: 957
Pitot: 32.5

Presence of Flammable/Combustable Liquids: ☐ Yes ☒ No
Presence of Hazardous Materials: ☐ Yes ☒ No
Presence of Other Special Storage: ☐ Yes ☒ No
Auxiliary/Low Point Drain Locations: FIRE SPRINKLER RISER ROOM
Original Main Drain Test - **Static:** **Resid:**
Antifreeze of Auxiliary System Present: ☐ Yes ☒ No
Location: N/A

Installing Contractor:
MAKSON INCORPORATED
1293 SPEEDWAY BLVD. SALISBURY, NC 28146
P 704-636-5505 F 704-636-5504

SITE NOTES

1. ALL UNDERGROUND PIPE BY UTILITY OR PLUMBING CONTRACTOR. FIRE SPRINKLER CONTRACTOR TO START AT 1'-0" ABOVE FINISHED FLOOR INSIDE A HEATED SPRINKLER CONTROL ROOM PROVIDED BY THE GENERAL CONTRACTOR.

SHEET INDEX

FP100	COVER SHEET AND SITE UTILITY PLAN
FP200	UNIT PLANS
FP300	NOTES AND SYMBOLS LEGEND
FP400	BUILDING 02 TYPE 3223-2 FIRST & SECOND FLOOR PIPING PLAN

BUILDING ADDRESSES

BUILDING 2	ST #, ST ADDRESS, CITY, STATE, ZIP CODE
BUILDING 3	
BUILDING 4	
BUILDING 5	
BUILDING 6	

BUILDING SQFT

BUILDING 2	10,589 SQFT
BUILDING 3	9,054 SQFT
BUILDING 4	13,578 SQFT
BUILDING 5	23,334 SQFT
BUILDING 6	23,334 SQFT

DOMESTIC DEMAND

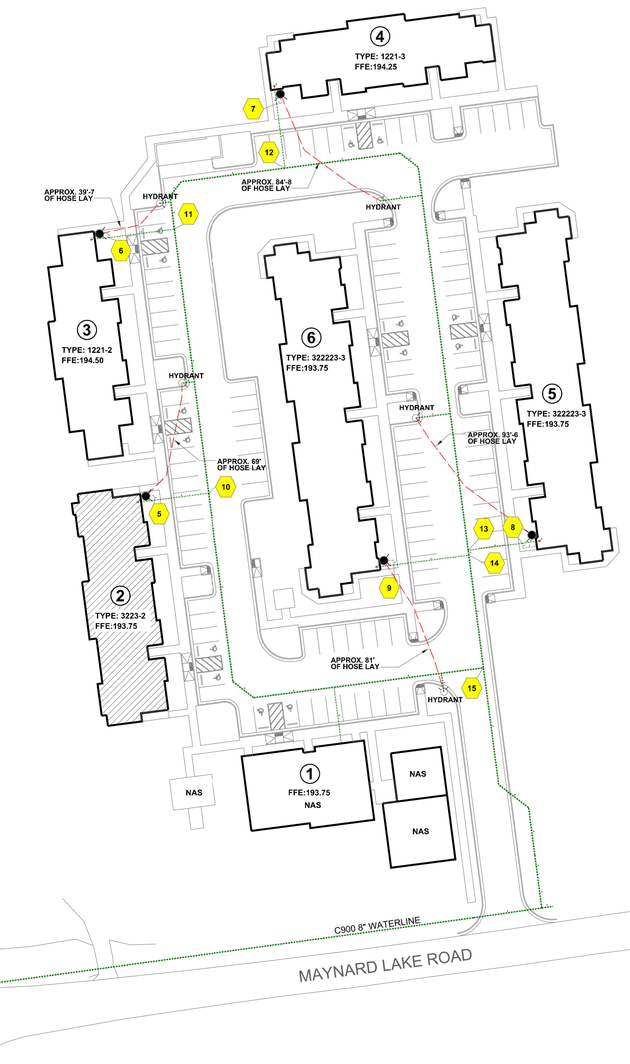
BUILDING 2	36.6 GPM
BUILDING 3	36.6 GPM
BUILDING 4	51.0 GPM
BUILDING 5	77.7 GPM
BUILDING 6	77.7 GPM

TEST PAPER CHECKLIST

FP400 - BUILDING WET SYSTEM

SITE SYMBOLS

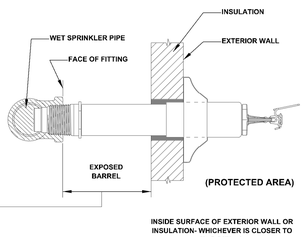
- **DENOTES SYSTEM CONTROLS TO BE SUPPLIED WITH A 4" WATER LINE UP TO 1'-0" ABOVE FINISHED FLOOR WITH A 4" FLANGED OUTLET BY OTHERS.**
- FDC — **DENOTES A FIRE DEPARTMENT CONNECTION (FDC) LOCATED ON THE SIDE OF THE BUILDING MAINTAIN SPECIFIED CLEARANCES FROM OBSTRUCTIONS PER LOCAL AUTHORITIES. FDC PROVIDED AND INSTALLED BY OTHERS.**
- 1 — **DENOTES HYDRAULIC REFERENCE POINT**
- **DENOTES HYDRAULICALLY CALCULATED BUILDING**
- G.V. — **DENOTES GATE VALVE BY OTHERS**
- EX. HYD — **DENOTES EXISTING FIRE HYDRANT**
- HYD — **DENOTES NEW FIRE HYDRANT (BY OTHERS)**



WATER TEST INFORMATION

STATIC = 54 PSI
RESIDUAL = 51 PSI
FLOW = 957 GPM
APROX. ELV. = 184'
DATE: 2-25-2026
BY: MAKSON, INC.
LOCATION: 102 MAYNARD LAKE RD.

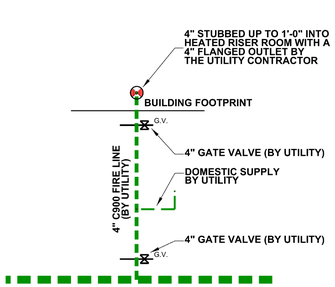
AMBIENT TEMPERATURE OF PROTECTED AREA** AT THE DISCHARGE END OF THE SPRINKLER	EXPOSED BARREL AMBIENT TEMPERATURE		
	40ºF/4ºC	50ºF/10ºC	60ºF/16ºC
	EXPOSED MINIMUM BARREL LENGTH** FACE OF THE TEE TO THE INSIDE FACE OF THE EXTERIOR WALL		
	IN. (MM)	IN. (MM)	IN. (MM)
40ºF (4ºC)	0	0	0
30ºF (-1ºC)	0	0	0
20ºF (-7ºC)	4 (100)	0	0
10ºF (-12ºC)	8 (203)	1 (25.4)	0
0ºF (-18ºC)	12 (305)	3 (76)	0
-10ºF (-23ºC)	14 (356)	4 (102)	1 (25.4)
-20ºF (-29ºC)	14 (356)	6 (152)	3 (76)
-30ºF (-34ºC)	16 (406)	8 (203)	4 (102)
-40ºF (-40ºC)	18 (457)	8 (203)	4 (102)
-50ºF (-45ºC)	20 (508)	10 (254)	6 (152)



THE RECORD LOWEST ONE-DAY MEAN TEMPERATURE FOR ERWIN, NC AREA WAS 15 DEGREES. PER 2013 EDITION OF NFPA 13, SECTION 8.4.9, WHICH REFERENCES TABLES 8.4.9.1(a) OR 8.4.9.1(b). THE OWNER IS RESPONSIBLE TO MAINTAIN A MINIMUM OF 50 DEGREES FAHRENHEIT ANYWHERE WET PIPE IS INSTALLED. THE RECOMMENDED EXPOSED BARREL LENGTH IS BASED ON A 50 DEGREE AMBIENT TEMPERATURE IN THE SPACE WHERE THE DRY SPRINKLER IS SUPPLIED FROM.

FREEZE PROTECTION DETAIL "G"

SCALE: NTS



TYPICAL WATER SERVICE

ALL BUILDINGS **SCALE: NTS**

NORTH

SITE UTILITY PLAN

SCALE: 1" = 40'-0"

SCHEMATIC PLAN FOR HYDRAULIC CALCULATION PURPOSES

GRAPHIC SCALES

0 20 40 80 120

SCALE: 1" = 40'-0"

DRAWING REVISIONS		
NO.	DATE	REVISION DESCRIPTION
1		

CERTIFICATIONS / LICENSING
MAKSON FIRE PROTECTION
NC LICENSE #24333
EXP. DATE 12-31-2026
NICET LEVEL III
WATER-BASED SYSTEMS LAYOUT
EXP. DATE 10-1-2027

10-22-2026
JACKIE W. TOWNS, JR.

OCCUPANCY HAZARD:	RESIDENTIAL (R-2)
SYSTEM DESIGN:	NFPA 13R (2013)
TYPE SYSTEM:	WET
CONSTRUCTION TYPE:	V-B (NCBC 2018)

Sprinkler Legend

SYM	TYPE	FINISH	TEMP	RES	"K"	NPT	MANUF.	SIN	ESCUTCHEON	QTY

MAYNARD CROSSING APARTMENTS

FOR: WAYNE JONES

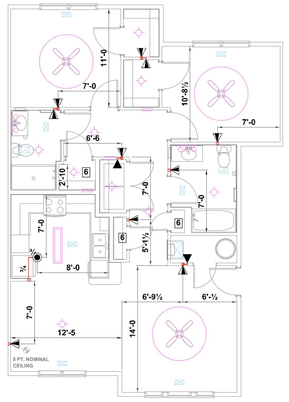
COVER SHEET AND SITE UTILITY PLAN

MAKSON INCORPORATED
1293 SPEEDWAY BLVD. SALISBURY, NC 28146
P 704-636-5505 F 704-636-5504

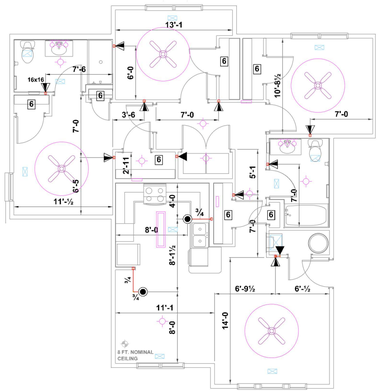
SCALE	As Noted
DRAWN BY	D.PORTER
DATE	10-22-2026
APPROVAL	HARNETT COUNTY FIRE MARSHAL
CONTRACT NO.	1450D
DRAWING NO.	FP100

BACKGROUNDS USED 2-6-2026 CONSTRUCTION DOCUMENTS

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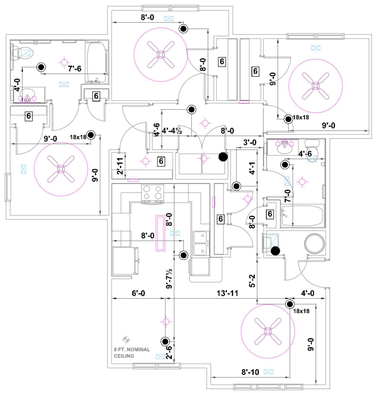


2BR 2BA TYPE B REFL. CEILING PLAN

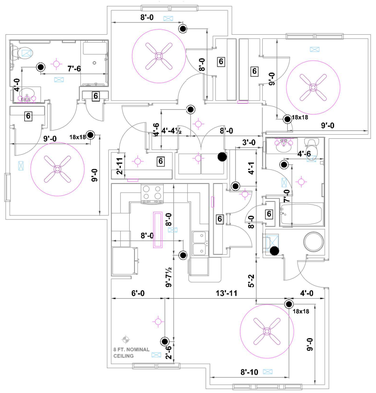


3 BR TYPE B UNIT REFL. CEILING PLAN

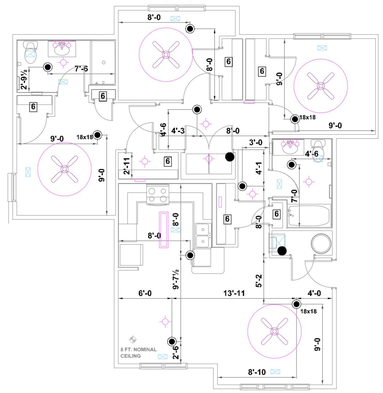
TYPICAL UPPER UNIT LAYOUTS



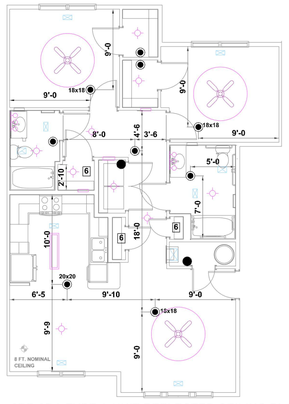
3 BR TYPE A UNIT REFLECTED CEILING PLAN



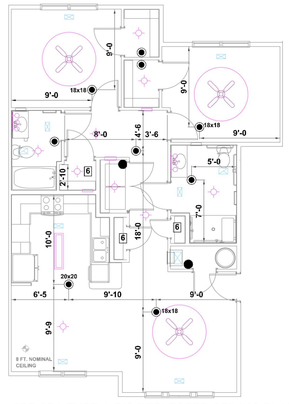
3 BR TYPE A-RIS UNIT REFLECTED CEILING PLAN



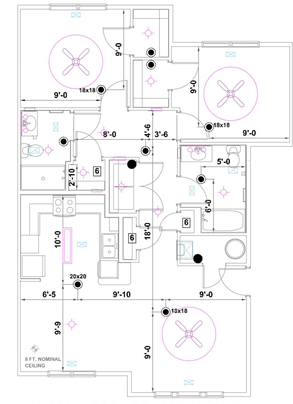
3 BR TYPE B UNIT REFL. CEILING PLAN



2BR 2BA TYPE A UNIT REFLECTED CEILING PLAN



2BR 2BA TYPE A-RIS REFLECTED CEILING PLAN



2BR 2BA TYPE B REFL. CEILING PLAN

TYPICAL LOWER UNIT LAYOUTS

NOTES AND SYMBOLS

REFER TO THE FIRE PROTECTION SHEET FP300, FOR FIRE SPRINKLER DRAWING NOTES AND SYMBOLS LEGEND

GRAPHIC SCALES

2 1 0 4 8

SCALE: 1/8" = 1'-0"

DRAWING REVISIONS		
NO.	DATE	REVISION DESCRIPTION
1		

CERTIFICATIONS / LICENSING
MAKSON FIRE PROTECTION
NC LICENSE #24333
EXP. DATE 12-31-2026
NICET LEVEL III
WATER-BASED SYSTEMS LAYOUT
EXP. DATE 10-1-2027

10-22-2026

JACKIE W. TOWNS, JR.

OCCUPANCY HAZARD:	RESIDENTIAL (R-2)
SYSTEM DESIGN:	NFPA 13R (2013)
TYPE SYSTEM:	WET
CONSTRUCTION TYPE:	V-B (NCBC 2018)

Sprinkler Legend

SYM	TYPE	FINISH	TEMP	RES	"K"	NPT	MANUF.	SIN	ESCUTCHEON
●	Pendent	Chrome	175°F	Fast	4.9	½	Viking	VK4680	2 PC RECESSED WHITE
▶	Horizontal Sidewall	White Polyester	155°F	Fast	4	½	Viking	VK4860	2 PC RECESSED WHITE
◉	Pendent	White Polyester	155°F	Fast	4.9	½	Viking	VK4680	2 PC RECESSED WHITE
▶	Horizontal Sidewall	White Polyester	175°F	Fast	4	½	Viking	VK4860	2 PC RECESSED WHITE

MAYNARD CROSSING APARTMENTS

FOR: WAYNE JONES

TYPICAL UNIT PLANS

MAKSON INCORPORATED
1283 SPEEDWAY BLVD. SALISBURY, NC 28146
P 704-636-5505 F 704-636-5504

SCALE	As Noted
DRAWN BY	D.PORTER
DATE	10-22-2026
APPROVAL	HARNETT COUNTY FIRE MARSHAL
CONTRACT NO.	1450D
DRAWING NO.	FP200

BACKGROUNDS USED - CONSTRUCTION DOCUMENTS 2-6-2026

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NOTES

1. ALL UNDERGROUND PIPE BY UTILITY OR PLUMBING CONTRACTOR. THE FIRE SPRINKLER CONTRACTOR TO START AT 1'-0" ABOVE FINISHED FLOOR INSIDE A HEATED FIRE SPRINKLER CONTROL ROOM PROVIDED BY THE GENERAL CONTRACTOR.

2. FIRE SPRINKLER PIPE AND FITTINGS TO BE UL LISTED CPVC AND ARE TO BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

3. ALL FIRE SPRINKLER PIPE TO BE 3/4" CPVC UNLESS NOTED OTHERWISE.

4. SPACING OF RESIDENTIAL PENDENT SPRINKLERS TO BE 16'x16' UNLESS NOTED OTHERWISE. MAINTAIN 8'-0" MINIMUM UNOBSTRUCTED DISTANCE BETWEEN PENDENT SPRINKLERS. SPRINKLERS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

5. BATHROOMS 55 SQ. FT. OR LESS IN AREA ARE UNSPRINKLERED PER NFPA 13R PARAGRAPH 6.6.2; 2013 EDITION.

6. SPRINKLERS SHALL NOT BE REQUIRED IN CLOTHS CLOSETS, LINEN CLOSETS AND PANTRIES WITHIN DWELLING UNITS PER NFPA 13R PARAGRAPH 6.6.3; 2013 EDITION.

7. SPRINKLERS SHALL NOT BE REQUIRED IN CLOSETS, REGARDLESS OF SIZE, ON EXTERIOR BALCONIES AND EXTERIOR BREEZEWAYS/CORRIDORS, REGARDLESS OF SIZE, AS LONG AS THE CLOSET DOES NOT HAVE DOORS OR UNPROTECTED PENETRATIONS DIRECTLY INTO THE UNIT PER NFPA 13R PARAGRAPH 6.6.7; 2013 EDITION

8. PROVIDE METAL NAIL PLATES AT ALL FLOOR RISERS. (TYPICAL)

9. ALL CEILING HEIGHTS TO BE 9'-0" UNLESS NOTED OTHERWISE.

10. ALL NEW MATERIALS AND INSTALLATION PER NFPA 13R, 2013 EDITION.

11. ALL PENETRATIONS THROUGH WALLS TO HAVE FIRESTOPS EQUAL TO WALL FIRE RATINGS. REFERENCE THE DETAIL ON SHEET FP100.

12. REFERENCE THIS SHEET FOR TYPICAL UNIT REFLECTED CEILING PLANS.

12. ALL CPVC PIPE TO BE INSTALLED PER MATERIAL LISTING USING TOLCO HANGERS #16W & HANGER #9W.

14. ALL STEEL PIPE TO BE INSTALLED PER NFPA 13 STANDARDS. SEE HANGER DETAILS THIS SHEET

15. SPRINKLERS SHALL NOT BE REQUIRED IN ATTICS, PENTHOUSE EQUIPMENT ROOMS ELEVATOR MACHINE ROOMS, CONCEALED SPACES DEDICATED EXCLUSIVELY TO AND CONTAINING ONLY DWELLING UNIT VENTILATION EQUIPMENT, CRAWL SPACES, FLOOR/CEILING SPACES, NONCOMBUSTIBLE ELEVATOR SHAFTS WHERE THE ELEVATOR CARS COMPLY WITH ANSIA17.1, AND OTHER CONCEALED SPACES THAT ARE NOT USED OR INTENDED FOR LIVING PURPOSES OR STORAGE AND DO NOT CONTAIN FUEL-FIRED EQUIPMENT PER NFPA 13R PARAGRAPH 6.6.6; 2013 EDITION.

16. SPRINKLERS SHALL NOT BE REQUIRED IN ANY PORCHES, BALCONIES, CORRIDORS, CARPORTS, PORTE COCHERES, AND STAIRS THAT ARE OPEN AND ATTACHED PER NFPA 13R PARAGRAPH 6.6.5; 2013 EDITION.

18. LATERAL BRACING REQUIREMENTS SHALL NOT APPLY TO PIPES INDIVIDUALLY SUPPORTED BY RODS LESS THAN 6" FROM TOP OF PIPE TO POINT OF ATTACHMENT TO BUILDING STRUCTURE, AS PER NFPA 13, 9.3.5.5.10; 2013 EDITION.

19. PIPING 2" OR SMALLER IN SIZE IS PLIABLE ENOUGH SO FLEXIBLE COUPLINGS ARE NOT USUALLY NECESSARY, PER NFPA 13, A.9.2.1.3.3.3; 2013 EDITION.

20. 4 WAY BRACING IS NOT REQUIRED WHERE RISERS PENETRATE INTERMEDIATE FLOORS IN MULTI-STORY BUILDINGS WHERE CLEARANCE DOES NOT EXCEED THE LIMITS OF NFPA 9.3.4, AS PER NFPA 13, 9.3.5.8.5; 2013 EDITION.

25. FREEZE PROTECTION OF FIRE SPRINKLER PIPE IN THE ATTIC IS TO CONSIST OF ONE LAYER OF POLYETHYLENE OVER ATTIC PIPING INSTALLED BY THE FIRE SPRINKLER CONTRACTOR.

R-30 INSULATION IS TO BE INSTALLED OVER THE PIPE AND POLYETHYLENE TO PROTECT FROM FREEZING. INSULATION TO BE PROVIDED BY AND INSTALLED BY THE GENERAL CONTRACTOR .

HEAT TO BE MAINTAINED BY THE OWNER WITHIN ALL AREAS WITH WET FIRE SPRINKLER PIPE IN THE ATTIC ABOVE.

INSULATION TO PREVENT FREEZING OF PIPES IS TO BE MAINTAINED BY THE OWNER. REFERENCE DETAIL "AB" THIS SHEET

SYMBOLS

XX DENOTES UNIT TYPE

3'-0"

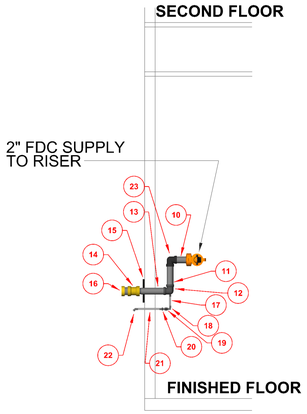
DENOTES CEILING MOUNTED CEILING FAN WITH 3'-0" DIAMETER RADIUS OF CLEAR SPACE FROM CENTER OF FAN MOTOR - VERIFY LOCATION AND DISTANCE IN FIELD

DENOTES CEILING MOUNTED LIGHT FIXTURE VERIFY LOCATION AND DISTANCE IN FIELD

DENOTES CEILING MOUNTED DIFFUSER VERIFY LOCATION AND DISTANCE IN FIELD

AA DENOTES DETAIL 'AA' - SEE DETAIL THIS SHEET

CE DENOTES DETAIL 'CE' - SEE DETAIL THIS SHEET

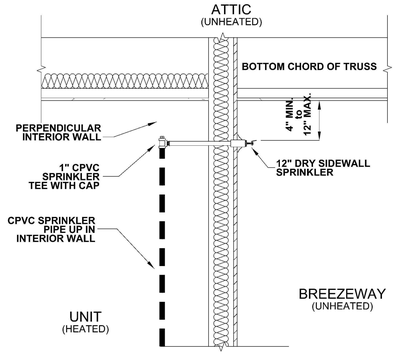


FDC DETAIL

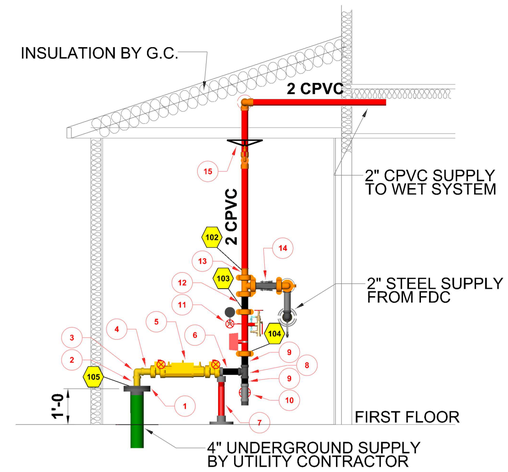
SCALE 1/2"=1'-0"

FDC PARTS LEGEND

PART TAG	SIZE	DESCRIPTION	QTY
10	2"	0-6" BLACK SCH 40 TxG NIPPLE	1
11	2"	2-7-1/2" BLACK SCH 40 TxT NIPPLE	1
12	NA	2"x 1/2"x 2-1/2" DI THREADED REDUCING TEE	1
13	2"	1-3" TxT SCH 40 BLACK NIPPLE	1
14	NA	2-1/2" x 2" OUTSIDE HEX BUSHING	1
15	NA	FDC WALL PLATE	1
16	2-1/2"	FDC SNOOT WITH CAP AND CHAIN	1
17	1/2"	0-4" GALVANIZED SCH 40 TxT NIPPLE	1
18	1/2"	GALVANIZED THREADED ELBOW	1
19	1/2"	AUTOMATIC BALL DRIP	1
20	1/2"	GALVANIZED UNION	1
21	1/2"	0-8" GALVANIZED THREADED NIPPLE	1
22	1/2"	GALVANIZED THREADED 45 ELBOW	1
23	2"	DI THREAED ELBOW	1

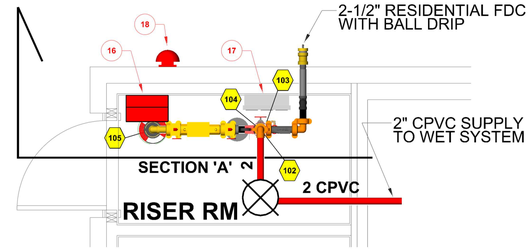


DETAIL "CE"



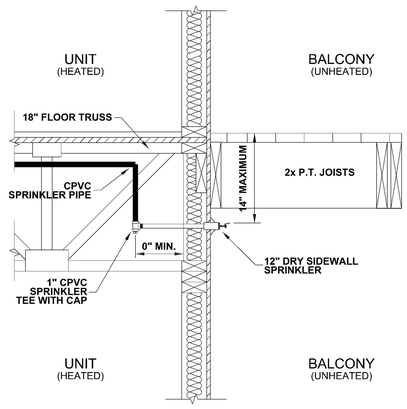
RISER SECTION A

SCALE 1/2"=1'-0"



RISER ROOM PLAN VIEW

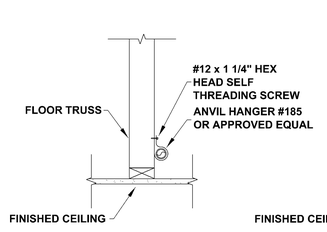
SCALE 1/2"=1'-0"



DETAIL "AA"

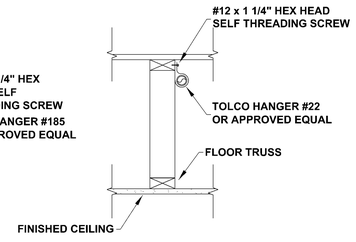
RISER PARTS LEGEND

PART TAG	SIZE	DESCRIPTION	QTY.
1	4"	2-9 FLANGED OUTLET BY UTILITY CONTRACTOR	-
2	2"	0-6 TxT BRASS NIPPLE	1
3	2"	THREADED BRASS ELBOW	1
4	2"	0-4 TxG BRASS NIPPLE	1
5	2"	AMES LF4000BM2-FP-GV BUTTERFLY RPZA BACKFLOW	
		WITH TAMPER SWITCHES	1
6	2"	1-0 GxT SCH 40 BLACK NIPPLE	1
7	2"	1'-6 PIPE STAND FOR 2" PIPE	1
8	2"	2" DI THREADED TEE	1
9	2"	0-6 GxT SCH 40 BLACK NIPPLE	2
10	2"	BALL VALVE w/PLUG AND TAMPER SWITCH	1
11	2"	VICTAULIC RISER PACK WITH 5.6K TEST AND DRAIN	1
		ASSEMBLY TO DISCHARGE TO FLOOR DRAIN	
12	2"	0-6 GxG SCH 40 BLACK NIPPLE	1
13	2"	CPVC SLIPxGRV ADAPTER	1
14	2"	GROOVED CHECK VALVE	1
15	1/2"	VICTAULIC UPRIGHT SPRINKLER	1
15	-	SPRINKLER HEAD BOX	1
16	-	WALL MOUNTED HEATER BY CONTRACTOR	1
17	-	ALARM BELL WIRED BY ELECTRICIAN	1



HANGER SPACING

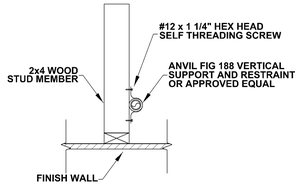
3/4" PIPE - 5'-6" MAX
1" PIPE - 6'-0" MAX
1 1/4" PIPE - 6'-6"
1 1/2" PIPE - 7'-0"
2" PIPE - 8'-0"



HANGER SPACING

3/4" PIPE - 5'-6" MAX
1" PIPE - 6'-0" MAX
1 1/4" PIPE - 6'-6"
1 1/2" PIPE - 7'-0"
2" PIPE - 8'-0"

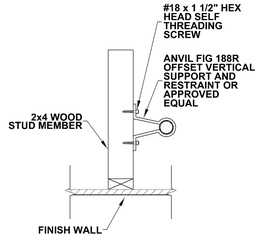
HANGER DETAIL 16W



HANGER SPACING

3/4" PIPE - 5'-6" MAX
1" PIPE - 6'-0" MAX
1 1/4" PIPE - 6'-6"
1 1/2" PIPE - 7'-0"
2" PIPE - 8'-0"

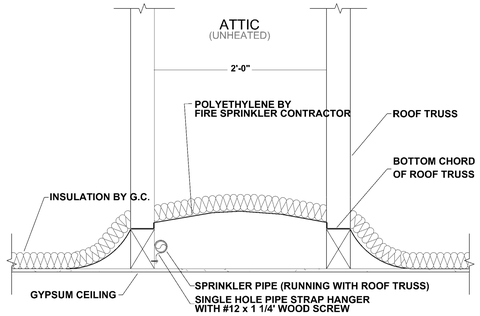
HANGER DETAIL 9W

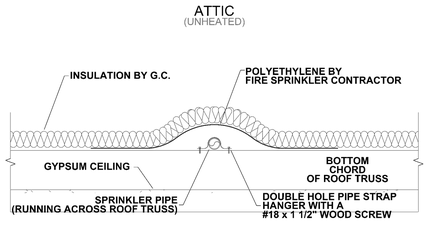


HANGER SPACING

3/4" PIPE - 5'-6" MAX
1" PIPE - 6'-0" MAX
1 1/4" PIPE - 6'-6"
1 1/2" PIPE - 7'-0"
2" PIPE - 8'-0"

HANGER 19W





DETAIL "AB"

GRAPHIC SCALES

½ ¼ 0 2 4

SCALE: 1/2" = 1'-0"

2 1 0 4 8

SCALE: 1/8" = 1'-0"

SPARE SPRINKLER COUNT

SYM	TYPE	FINISH	TEMP	RES	"K"	NPT	MANUF.	SIN	ESCUTCHEON	QTY
	Upright	Brass	155°F	Quick	5.6	½	Viking	VK300		1
	Pendent	Chrome	175°F	Fast	4.9	½	Viking	VK4680	2 PC RECESSED WHITE	1
	Horizontal Sidewall	White Polyester	155°F	Fast	4	½	Viking	VK4860	2 PC RECESSED WHITE	1
	Pendent	White Polyester	155°F	Fast	4.9	½	Viking	VK4680	2 PC RECESSED WHITE	1
	Horizontal Sidewall	White Polyester	175°F	Fast	4	½	Viking	VK4860	2 PC RECESSED WHITE	1
TOTAL:										Total = 5

DRAWING REVISIONS

NO.	DATE	REVISION DESCRIPTION
1		

CERTIFICATIONS / LICENSING
MAKSON FIRE PROTECTION
NC LICENSE #24333
EXP. DATE 12-31-2026
NICET LEVEL III
WATER-BASED SYSTEMS LAYOUT
EXP. DATE 10-1-2027

10-22-2026
JACKIE W. TOWNS, JR.

OCCUPANCY HAZARD:	RESIDENTIAL (R-2)
SYSTEM DESIGN:	NFPA 13R (2013)
TYPE SYSTEM:	WET
CONSTRUCTION TYPE:	V-B (NCBC 2018)

Sprinkler Legend

SYM	TYPE	FINISH	TEMP	RES	"K"	NPT	MANUF.	SIN	ESCUTCHEON

MAYNARD CROSSING APARTMENTS

FOR: WAYNE JONES

NOTES AND DETAILS PLAN

MAKSON INCORPORATED
1203 SPEEDWAY BLVD. SALISBURY, NC 28146
P 704-636-5505 F 704-636-5504

SCALE	As Noted
DRAWN BY	D.PORTER
DATE	10-22-2026
APPROVAL	HARNETT COUNTY FIRE MARSHAL
CONTRACT NO.	1450D
DRAWING NO.	FP300

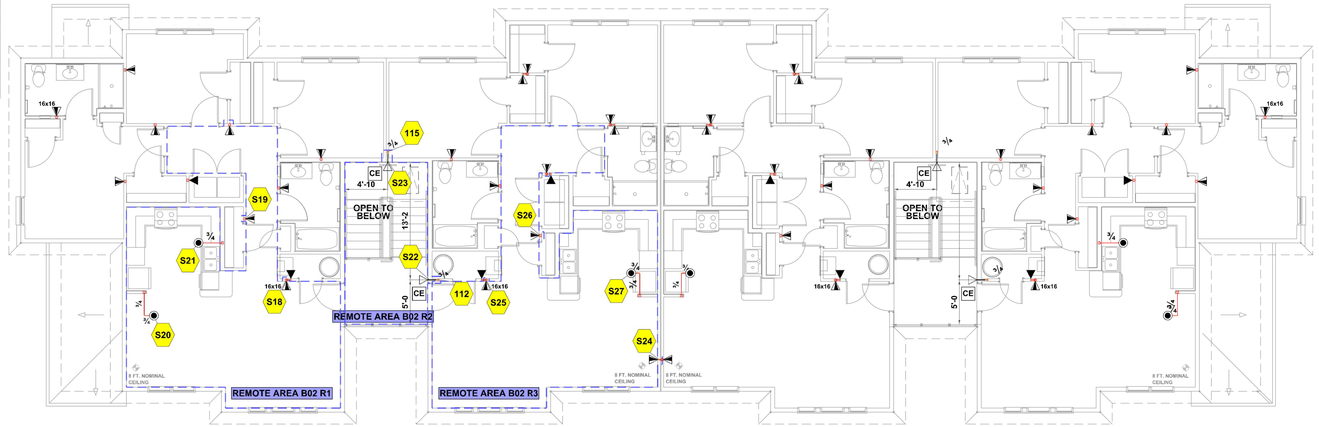
BACKGROUNDS USED - CONSTRUCTION DOCUMENTS 2-6-2026

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Hydraulic Information	
Remote Area B02 R2	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft²)	0.10 for 1700ft² (Actual 170ft²)
TOTAL HOSE STREAMS	100.00
TOTAL HEADS FLOWING	2
K-FACTOR	5.6
TOTAL WATER REQUIRED	132.87
TOTAL PRESSURE REQUIRED	37.598
BASE of RISER (gpm) (Gauge 1)	32.87
BASE of RISER (psi) (Gauge 1)	32.927
SAFETY MARGIN (psi)	+16.324 (30.3%)

Hydraulic Information	
Remote Area B02 R1	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft²)	0.05 for 512ft² (Actual 512ft²)
TOTAL HEADS FLOWING	4
K-FACTOR	4, 4.9
TOTAL WATER REQUIRED	89.88
TOTAL PRESSURE REQUIRED	44.865
BASE of RISER (gpm) (Gauge 1)	53.28
BASE of RISER (psi) (Gauge 1)	39.994
SAFETY MARGIN (psi)	+9.098 (16.9%)

Hydraulic Information	
Remote Area B02 R3	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft²)	0.05 for 527ft² (Actual 527ft²)
TOTAL HEADS FLOWING	4
K-FACTOR	4, 4.9
TOTAL WATER REQUIRED	91.58
TOTAL PRESSURE REQUIRED	43.977
BASE of RISER (gpm) (Gauge 1)	54.98
BASE of RISER (psi) (Gauge 1)	39.096
SAFETY MARGIN (psi)	+9.984 (18.5%)



BUILDING 02 TYPE 3223-2 SECOND FLOOR PIPING PLAN

SCALE: 1/8" = 1'-0"

HYDRAULIC-SYSTEM

This Building is protected bu a Hydraulically Designed Automatic Sprinkler System

Location: MAYNARD CROSSING APARTMENTS

No. of Sprinklers: 4

Basis of Design:

NFPA 13 Edition: ☐ 2013 ☐ 2016 ☐ 2019 ☐ 2022 ☐ 2025

NFPA 13R Edition: ☒ 2013 ☐ 2016 ☐ 2019 ☐ 2022 ☐ 2025

NFPA 13D Edition: ☐ 2013 ☐ 2016 ☐ 2019 ☐ 2022 ☐ 2025

1. DENSITY	0.05	GPM/SQ.FT.
2. DESIGN AREA REDUCTION FOR QUICK RESPONSE SPRINKLERS	N/A	PERCENT
3. DESIGNED AREA OF DISCHARGE	3 SPRKS	SQ.FT.

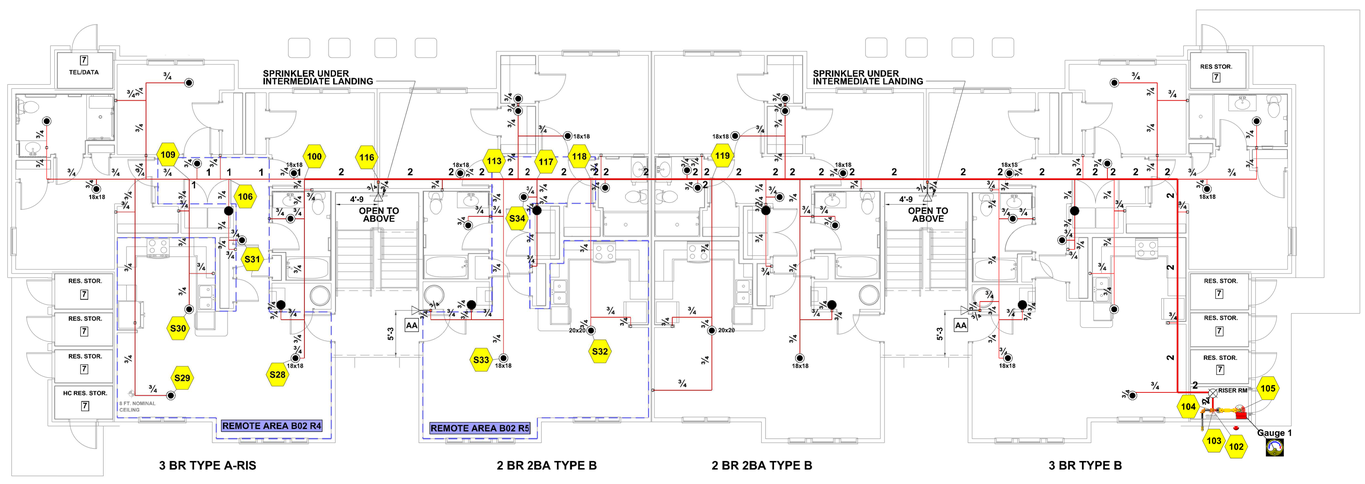
Basis of Design:

1. GPM DISCHARGE	97.2	GPM
2. RESIDUAL PRESSURE AT THE BASE OF THE RISER	42.9	PSI
3. HOSE STREAM ALLOWANCE	N/A	GPM

MAKSON INCORPORATED
1293 SPEEDWAY BLVD. SALISBURY, NC 28146
P 704-636-5505 F 704-638-5504

Hydraulic Information	
Remote Area B02 R4	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft²)	0.05 for 513ft² (Actual 513ft²)
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	100.22
TOTAL PRESSURE REQUIRED	45.777
BASE of RISER (gpm) (Gauge 1)	63.62
BASE of RISER (psi) (Gauge 1)	40.846
SAFETY MARGIN (psi)	+8.177 (15.2%)

Hydraulic Information	
Remote Area B02 R5	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft²)	0.05 for 526ft² (Actual 526ft²)
TOTAL HEADS FLOWING	3
K-FACTOR	4.9
TOTAL WATER REQUIRED	97.27
TOTAL PRESSURE REQUIRED	47.908
BASE of RISER (gpm) (Gauge 1)	60.67
BASE of RISER (psi) (Gauge 1)	42.995
SAFETY MARGIN (psi)	+6.048 (11.2%)



BUILDING 02 TYPE 3223-2 FIRST FLOOR PIPING PLAN

SCALE: 1/8" = 1'-0"

NOTES AND SYMBOLS

REFER TO THE FIRE PROTECTION SHEET FP300, FOR FIRE SPRINKLER DRAWING NOTES AND SYMBOLS LEGEND

GRAPHIC SCALES

2 1 0 4 8

SCALE: 1/8" = 1'-0"

DRAWING REVISIONS		
NO.	DATE	REVISION DESCRIPTION
1		

CERTIFICATIONS / LICENSING
MAKSON FIRE PROTECTION
NC LICENSE #24333
EXP. DATE 12-31-2026
NICET LEVEL III
WATER-BASED SYSTEMS LAYOUT
EXP. DATE 10-1-2027

10-22-2026
JACKIE W. TOWNS, JR.

OCCUPANCY HAZARD:	RESIDENTIAL (R-2)
SYSTEM DESIGN:	NFPA 13R (2013)
TYPE SYSTEM:	WET
CONSTRUCTION TYPE:	V-B (NCBC 2018)

Sprinkler Legend

SYM	TYPE	FINISH	TEMP	RES	"K"	NPT	MANUF.	SIN	ESCUTCHEON	QTY
⊠	Upright	Brass	155°F	Quick	5.6	½	Viking	VK300		1
◉	Pendent	White Polyester	155°F	Fast	4.9	½	Viking	VK4680	2 PC RECESSED WHITE	45
●	Pendent	Chrome	175°F	Fast	4.9	½	Viking	VK4680	2 PC RECESSED WHITE	8
▷	Horizontal Sidewall	Chrome	155°F	Quick	5.6	1	Victaulic	V3610	STD ADJ CHROME (12")	8
▶	Horizontal Sidewall	White Polyester	155°F	Fast	4	½	Viking	VK4860	2 PC RECESSED WHITE	38
▶	Horizontal Sidewall	White Polyester	175°F	Fast	4	½	Viking	VK4860	2 PC RECESSED WHITE	8
										Total = 108

MAYNARD CROSSING APARTMENTS

FOR: WAYNE JONES

BUILDING 02 TYPE 3223-2
FIRST & SECOND FLOOR PIPING PLAN

MAKSON INCORPORATED
1293 SPEEDWAY BLVD. SALISBURY, NC 28146
P 704-636-5505 F 704-638-5504

SCALE	As Noted
DRAWN BY	D.PORTER
DATE	10-22-2026
APPROVAL	HARNETT COUNTY FIRE MARSHAL
CONTRACT NO.	1450D
DRAWING NO.	FP400

BACKGROUNDS USED - CONSTRUCTION DOCUMENTS 2-6-2026

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