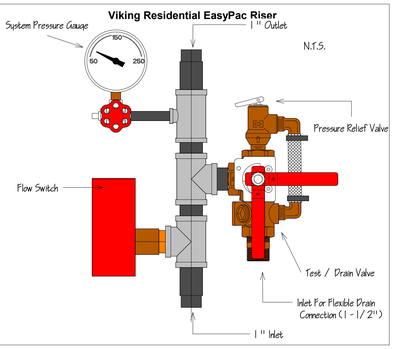
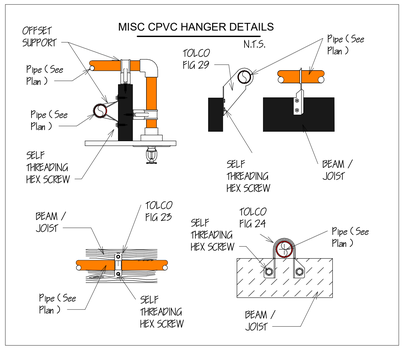
Viking Residential EasyPac Riser



MISC CPVC HANGER DETAILS



CODE REVIEW INFORMATION:
2021 International Building Code
with City of ARGYLE, Amendments
2021 International Mechanical Code
with City of ARGYLE, Amendments
2021 International Plumbing Code
with City of ARGYLE, Amendments
2020 International Electrical Code
with City of ARGYLE, Amendments
2021 International Fire Code with
with City of ARGYLE, Amendments
2021 International Energy Code
with City of ARGYLE, Amendments

HOUSE
BONUS SPACE - 790 SQ.FT.
1ST FLOOR - 6,743 SQ.FT.
2ND FLOOR - 2,584 SQ.FT.

FRONT PORCH - 849 SQ.FT.
SIDE PORCH - 122 SQ.FT.
SIDE PORCH - 200 SQ.FT.
COVERED PORCH - 545 SQ.FT.
SCREENED PORCH - 457 SQ.FT.
4-CAR GARAGE - 1,424 SQ.FT.

A/C TOTAL - 10,117 SQ.FT.
TOTAL - 13,714 SQ.FT.

OWNER:
24A GENEVIEVE TRUST

ARCHITECT:
WILLIAM PECK AND ASSOCIATES, INC.
105 W. MAIN ST.
LEWISVILLE, TX 75057
972-221-1424

GENERAL CONTRACTOR:
ARCHISTRUCTURE, INC.
817-750-3170
972-849-7161

LANDSCAPE DESIGN:
KEVIN CLARK / NAUD BURNETT
214-528-9014

STRUCTURAL ENGINEER:
EIKON CONSULTING GROUP
940-458-7503

HARPOLE HOUSE

BUILDING RENDER



NFPA 13D CALC NOTES:

NFPA 13D - FOR EACH OF THE FOLLOWING SITUATIONS, THE NUMBER OF SPRINKLERS IN THE DESIGN AREA SHALL BE ALL OF THE SPRINKLERS WITHIN A COMPARTMENT, UP TO A MAXIMUM OF TWO SPRINKLERS, THAT REQUIRE THE GREATEST HYDRAULIC DEMAND

FLOW TEST

Fire Hydrant Servicing
400 Casa Grande Ct.
Irving, Texas 75061
214-563-7782
firehydrantrepair@hotmail.com
Firehydrantservicing.com

Fire Hydrant Certificate of Flow Test Results

General Information

Requested by:	**Golden Triangle Fire**	**Date of test:**	**5-26-2026**
Purpose of test:	**New Construction**	**City of test:**	**Argyle, TX.**
Inspector:	***J. Chavez***	**Time of test:**	**10:45 am**
Contact Name:	**Lisa Nack**		
Job No.	**910 E Harpole**	**Witness; Argyle Water Supply Jessie**	

Flow Hydrant Readings

Hyd. No.	*Outlet size*	*Static p.s.i.*	*Flow p.s.i.*	*Projected flow/ gpm*	*Projected flow @20 psi*
1	**2.5"**	**68 psi**	**50 psi**	**1186 gpm**	**2401 gpm**

Location: **Hydrant labeled Flow on the map.**

Static / Residual Hydrant Readings

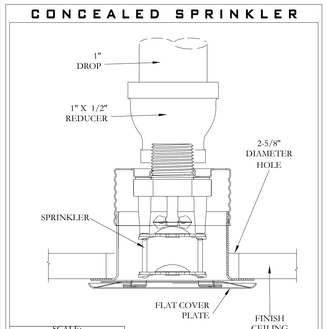
Hyd. No	*Static p.s.i.*	*Residual p.s.i.*
2	**68 psi**	**55 psi**

Location: **Hydrant labeled Residual on the map.**

Hyd. No.	*Static p.s.i.*	*Residual p.s.i.*
	N/A	
Location:	N/A	

Please see attached map if available

CONCEALED SPRINKLER



SPARE SPRINKLERS

A LIST OF THE SPRINKLERS INSTALLED IN THE PROPERTY SHALL BE POSTED IN THE SPRINKLER CABINET.

THE LIST SHALL INCLUDE:

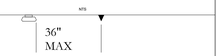
(1) SPRINKLER IDENTIFICATION
(2) NUMBER
(3) GENERAL DESCRIPTION
(4) QUANTITY OF EACH SPRINKLER ISSUE OR REVISION DATE OF THE LIST

TOTAL HEADS	MINIMUM SPARE HEADS
<300	6
300-1000	12
>1000	24

FAN / LIGHT DETAIL



DISTANCE FROM CENTER OF FAN MOTOR HOUSING TO CENTER OF FIRE SPRINKER 36" MINIMUM



DISTANCE FROM EDGE OF LIGHT OR FIXTURE TO THE SPRINKLER HEAD SHALL BE 3 OR 4 TIMES THE MAX DIMENSION OF THE OBSTRUCTION UP TO A MAX OF 36" UNLESS TABLE 8.10.1.2 IS MET.

BASED ON STANDARD AND OR RESIDENTIAL HEADS

PROJECT NOTES:

1: 13D SYSTEM

2: ALL CONCEALED PIPING TO BE CPVC , RISER AND EXPOSED PIPING TO BE SCH 40 STEEL OR EQUAL

3: R OCCUPANCY

4: 2 HEAD CALC IN MOST DEMANDING AREA

5: SPRINKLER SPACING BASED ON CALCS: TYPICALLY 16 X 16 OR 18 X 18. FOR 16 X 16 MAX DISTANCE OFF ANY WALL IS 8'. FOR 18 X18 SPACING MAX DISTANCE OFF ANY WALL IS 9'.

KEY NFPA 13D NOTES:

THE INSTALLER SHALL PROVIDE TO THE OWNER/OCCUPANT INSTRUCTIONS ON INSPECTING, TESTING, AND MAINTAINING THE SYSTEM.

ANY SPRINKLERS THAT HAVE BEEN PAINTED OUTSIDE OF THE FACTORY SHALL BE REPLACED WITH A NEW LISTED SPRINKLER

PAINTING AND ORNAMENTAL FINISHES. SPRINKLERS SHALL NOT BE PAINTED OR ENAMELED UNLESS APPLIED BY THE MANUFACTURER AND THE SPRINKLER HAS BEEN LISTED WITH SUCH FINISHES.

SPRINKLER HEAD LOCATION EXCEPTIONS:

1. SPRINKLERS ARE NOT REQUIRED IN BATHROOMS NOT EXCEEDING 55 SF.

2. SPRINKLERS ARE NOT REQUIRED IN CLOTHES CLOSETS, LINEN CLOSETS, AND PANTRIES WHERE THE SPACES DOES NOT EXCEED 24 SF AND THE LEAST DIMENSION IS LESS THAN OR EQUAL TO 3'.

3. SPRINKLERS ARE NOT REQUIRED IN ANY PORCHES, BALCONIES, CARPORTS, AND STAIRS THAT ARE OPEN AND ATTACHED. HOWEVER, THE IFC HAS SPECIFIC REQUIREMENTS - REFER TO IFC NOTE.

4. 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 ANSI A17.1, SAFETY CODE FOR ELEVATORS AND ESCALATORS, AND OTHER CONCEALED SPACES THAT ARE NOT USED OR INTENDED FOR LIVING PURPOSES OR STORAGE AND DO NOT CONTAIN FUEL-FIRED EQUIPMENT.

5. WHEN FUEL-FIRED EQUIPMENT IS PRESENT, AT LEAST ONE QUICK-RESPONSE INTERMEDIATE TEMPERATURE SPRINKLER SHALL BE INSTALLED ABOVE THE EQUIPMENT.

6. 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 DWELLING UNIT.

GENERAL NOTES:

1) THE SPRINKLER SYSTEM DESIGNED AS SHOWN ON THESE DRAWINGS SHALL CONFORM TO NFPA 13D 2022, AND THE LOCAL FIRE DEPT.

2) ALL NEW EQUIPMENT TO BE UL/FM LISTED

3) CPVC PIPE TO BE SDR 13.5, ASTM F-442

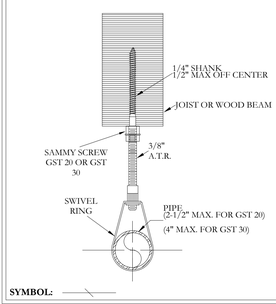
4) CPVC FITTINGS TO BE SCD. 40, ASTM F-437

5) RESIDENTIAL SPRINKLERS SHALL BE SPACED PER PLAN AND HYDRAULIC CALCULATIONS.

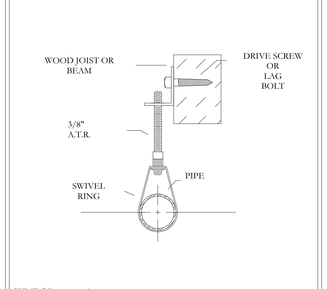
6) PIPE HANGERS FOR CPVC TO BE DOUBLE FASTENER STRAP TYPE, MAXIMUM SPACING 6FT. ALL END HEADS SHALL BE HUNG 12" FROM HEAD.

7) ALL UNDERGROUND PIPING TO BE PROVIDED AND INSTALLED BY OTHERS.

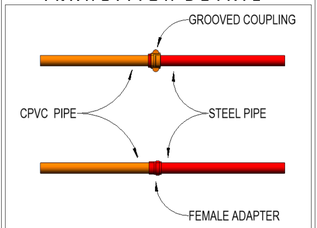
BOTTOM SAMMY SCREW



SIDE BEAM CONNETOR

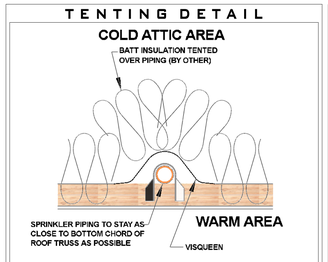


TRANSITION DETAIL



TRANSITION DETAIL
BETWEEN MATERIALS
(WHERE APPLICABLE) NTS

TENTING DETAIL



*** CRITICAL DETAIL**
INSULATION TENTING DETAIL
N.T.S.

SCALE: N.T.S.

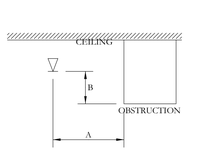
OBSTRUCTIONS TO RESIDENTIAL PENDENT SPRINKLERS

POSITIONING OF SPRINKLERS TO AVOID OBSTRUCTIONS TO DISCHARGE (RESIDENTIAL UPRIGHT/STANDARD SPRAY PENDENT (SSU/SSP).

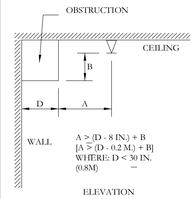
DISTANCE FROM SPRINKLERS TO SIDE OF OBSTRUCTION (A)	MAXIMUM ALLOWABLE DISTANCE OF DEFLECTOR ABOVE BOTTOM OF OBSTRUCTION (IN.) (B)
LESS THAN 1 FT	0
1 FT TO LESS THAN 1 FT 6 IN.	0
1 FT 6 IN. TO LESS THAN 2 FT	1
2 FT TO LESS THAN 2 FT 6 IN.	1
2 FT 6 IN. TO LESS THAN 3 FT	1
3 FT TO LESS THAN 3 FT 6 IN.	3
3 FT 6 IN. TO LESS THAN 4 FT	3
4 FT TO LESS THAN 4 FT 6 IN.	5
4 FT 6 IN. TO LESS THAN 5 FT	7
5 FT TO LESS THAN 5 FT 6 IN.	7
5 FT 6 IN. TO LESS THAN 6 FT	7
6 FT TO LESS THAN 6 FT 6 IN.	9
6 FT 6 IN. TO LESS THAN 7 FT	11
7 FT AND GREATER	14

FOR SI UNITS, 1 IN. = 25.4 MM; 1 FT = 0.3048 M.

NOTE: FOR (A) AND (B), REFER TO FIGURE 8.6.5.1.2 (A)



POSITIONING OF SPRINKLERS TO AVOID OBSTRUCTIONS TO DISCHARGE (SSU/SSP).

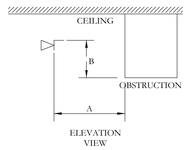


OBSTRUCTIONS AGAINST WALLS (SSU/SSP).

OBSTRUCTIONS TO RESIDENTIAL SIDEWALL SPRINKLERS

POSITIONING OF SPRINKLERS TO AVOID OBSTRUCTIONS TO DISCHARGE (RESIDENTIAL SIDEWALL SPRINKLERS).

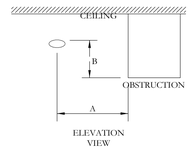
DISTANCE FROM SPRINKLERS TO SIDE OF OBSTRUCTION (A)	MAXIMUM ALLOWABLE DISTANCE OF DEFLECTOR ABOVE BOTTOM OF OBSTRUCTION (IN.) (B)
LESS THAN 8 FT	NOT ALLOWED
8 FT TO LESS THAN 10 FT	1
10 FT TO LESS THAN 11 FT	2
11 FT TO LESS THAN 12 FT	3
12 FT TO LESS THAN 13 FT	4
13 FT TO LESS THAN 14 FT	6
14 FT TO LESS THAN 15 FT	7
15 FT TO LESS THAN 16 FT	9
16 FT TO LESS THAN 17 FT	11
17 FT OR GREATER	14



POSITIONING OF SPRINKLERS TO AVOID OBSTRUCTIONS TO DISCHARGE (HSW).

POSITIONING OF SPRINKLERS TO AVOID OBSTRUCTIONS TO DISCHARGE (RESIDENTIAL SIDEWALL SPRINKLERS).

DISTANCE FROM SPRINKLERS TO SIDE OF OBSTRUCTION (A)	MAXIMUM ALLOWABLE DISTANCE OF DEFLECTOR ABOVE BOTTOM OF OBSTRUCTION (IN.) (B)
LESS THAN 1 FT 6 IN	0
1 FT 6 IN TO LESS THAN 3 FT	1
3 FT TO LESS THAN 4 FT	3
4 FT TO LESS THAN 4 FT 6 IN	5
4 FT 6 IN TO LESS THAN 6 FT	7
6 FT TO LESS THAN 6 FT 6 IN	9
6 FT 6 IN TO LESS THAN 7 FT	11
7 FT TO LESS THAN 7 FT 6 IN	14

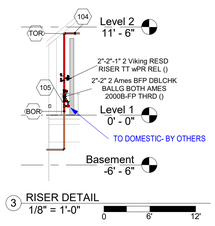


POSITIONING OF SPRINKLERS TO AVOID OBSTRUCTIONS TO DISCHARGE (HSW).

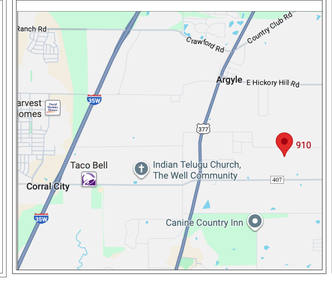
SPRINKLER DIST. TO RESIDENTIAL HEAT SOURCES

HEAT SOURCE	MINIMUMDISTANCE FROM EDGE OF SOURCE TO: ORDINARY TEMPERATURE SPRINKLER	INTERMEDIATE TEMPERATURE SPRINKLER
SIDE OF OPEN OR RECESSED FIREPLACE	36"	12"
FRONT OF RECESSED FIREPLACE	60"	36"
COAL- OR WOOD-BURNING STOVE	42"	12"
KITCHEN RANGE	18"	9"
WALL OVEN	18"	9"
HOT AIR FLUES	18"	9"
UNINSULATED HEAT DUCTS	18"	9"
UNINSULATED HOT WATER PIPES	12"	6"
SIDE OF CEILING- OR WALL-MOUNTED HOT AIR DIFFUSERS	24"	12"
FRONT OF WALL-MOUNTED HOT AIR DIFFUSERS	36"	18"
HOT WATER HEATER OF FURNACE	6"	3"
0W - 250W LIGHT FIXTURE	6"	3"
250W - 499W LIGHT FIXTURE	12"	6"

RISER DETAIL



VICINITY MAP



TRUE

SOFTWARE: REVIT / HCAD

STANDARD SYMBOLS		STANDARD SYMBOLS	
#	- HYDRAULIC NODE POINT		- GLOBE UMC RISER
	- FIRE DEPT. QONNECTION		- BUTTERFLY VALVE
	- CPVC FP PIPING		- CHECK VALVE
	- STEEL FP PIPING		- OS&Y VALVE
	- UNDERGROUND PIPING		- BACKFLOW PREVENTER

PLAN REVIEW STAMP

REVISION

DESCRIPTION	BY

I have reviewed these plans and certify that they comply with the adopted NFPA Standards.
GOLDEN TRIANGLE FIRE PROTECTION, INC.
5000 ENERGY PLACE, BUILDING 300
DENTON, TEXAS 76207
SCR # 0273 Phone 940-243-0929

Printed RME Name: _____
RME Signature: _____
RME #: _____ Date: _____
☐ AS BUILTS ☐ SUBMITTAL ☐ OTHER

COVER SHEET

DESIGNED BY:

NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES
Certified Fire Protection Specialist
Gerald W. Ebeling
Water-Based Systems Layout Level IV

IMPORTANT NOTE: FOR OWNER

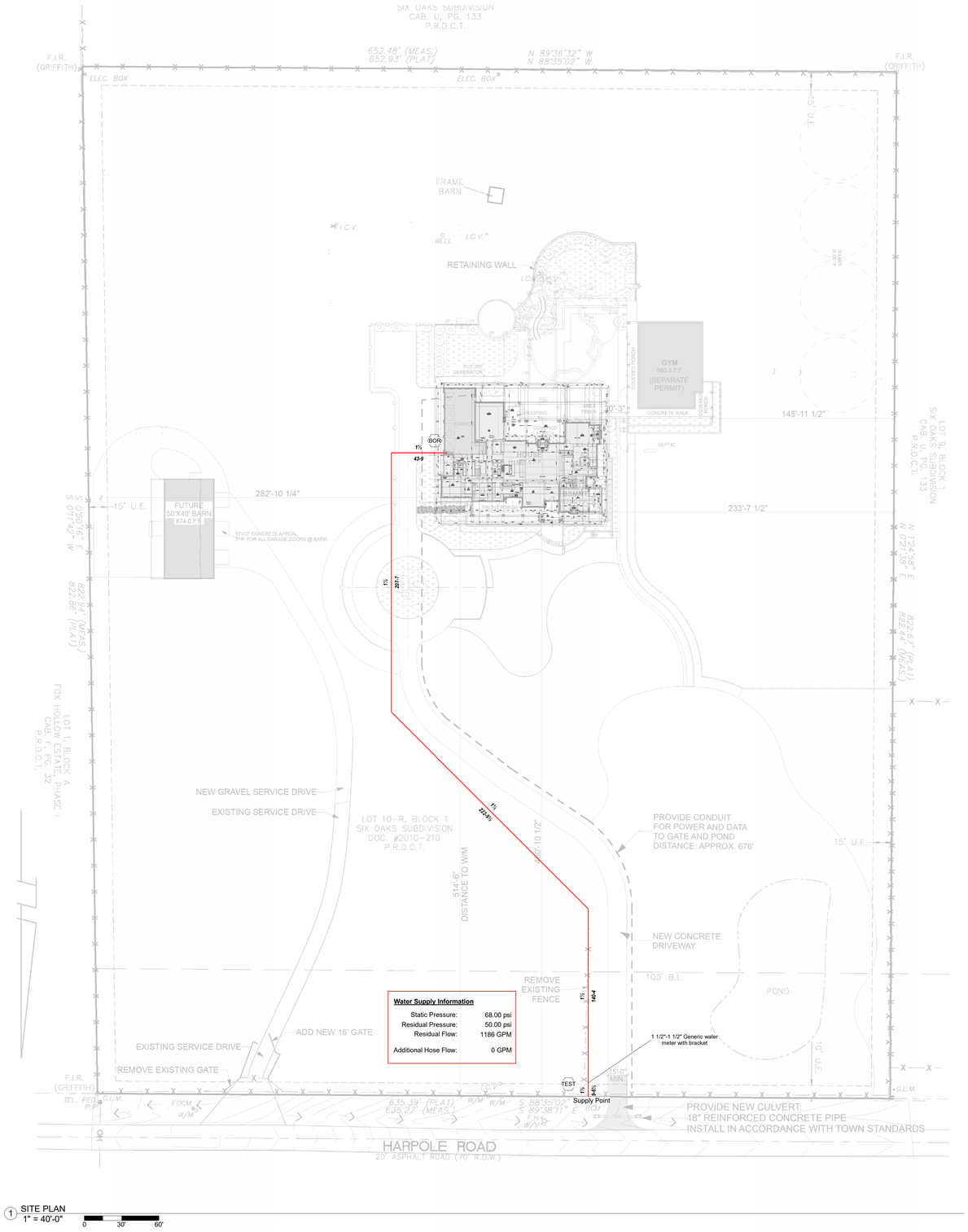
in localities subject to freezing conditions, it is the owner's responsibility to provide heat & maintain a minimum of 40 degrees throughout wet pipe sprinkler system & in enclosures for dry pipe, deluge, & other types of valves controlling water supplies to sprinkler systems..

CONTRACT NAME: HARPOLE HOUSE
910 E. HARPOLE RD.
ARGYLE, TEXAS 76226

GOLDEN TRIANGLE FIRE PROTECTION
GOLDEN TRIANGLE FIRE PROTECTION INC.
5000 ENERGY PLACE, BUILDING 300
DENTON TEXAS 76207
METRO (940) 243-0929

SCALE:	As indicated
DESIGNED BY:	Gerald W. Ebeling
CHECKED BY:	CHK
CONTRACT NO:	Project Number
DATE:	6/29/2026 4:45:26 PM
DRAWING NO.	FP0

File Path: C:\Users\Admin\3D Fire Design Dropbox\3D Fire Design Team Folder\Golden Triangle Fire Protection, Inc\CURRENT PROJECTS\Harpole House - 13D\Harpole House 13D FP R26.rvt



1 SITE PLAN
1" = 40'-0"
0 30' 60'

File Path: C:\Users\Admin\3D Fire Design Dropbox\3D Fire Design Team Folder\Golden Triangle Fire Protection, Inc\CURRENT PROJECTS\Harpole House - 13D\Harpole House 13D FP R26.rvt

TRUE

Software: REVIT/HCAD

STANDARD SYMBOLS		STANDARD SYMBOLS	
#	- HYDRAULIC NODE POINT		- GLOBE UMC RISER
	- FIRE DEPT. CONNECTION		- BUTTERFLY VALVE
	- CPVC FP PIPE		- CHECK VALVE
	- STEEL FP PIPING		- O.S.&Y. GATE VALVE
	- UNDERGROUND FP PIPING		- BACKFLOW PREVENTER

PLAN REVIEW STAMP

REVISION

DESCRIPTION	BY

I have reviewed these plans and certify that they comply with the adopted NFPA Standards.

GOLDEN TRIANGLE FIRE PROTECTION, INC.
5000 ENERGY PLACE, BUILDING 300
DENTON, TEXAS 76207
SCR # 0273 Phone 940-243-0929

Printed RME Name: _____
RME Signature: _____
RME #: _____ Date: _____
___ AS BUILTS ___ SUBMITTAL ___ OTHER

SITE PLAN

DESIGNED BY:

NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES
Certificate of Competency and Registration in the Field of
Gerald W. Ebeling
Water-based Systems Layout Level IV
Certification No. 000000 Expiration Date 00/00/0000
Certification Scope: DESIGN OF WATER-BASED SYSTEMS INSTALLATIONS UP TO AND INCLUDING 49 SP HEADS PER SYSTEM

IMPORTANT NOTE: FOR OWNER

in localities subject to freezing conditions, it is the owner's responsibility to provide heat & maintain a minimum of 40 degrees throughout wet pipe sprinkler system & in enclosures for dry pipe, deluge, & other types of valves controlling water supplies to sprinkler systems..

CONTRACT NAME:

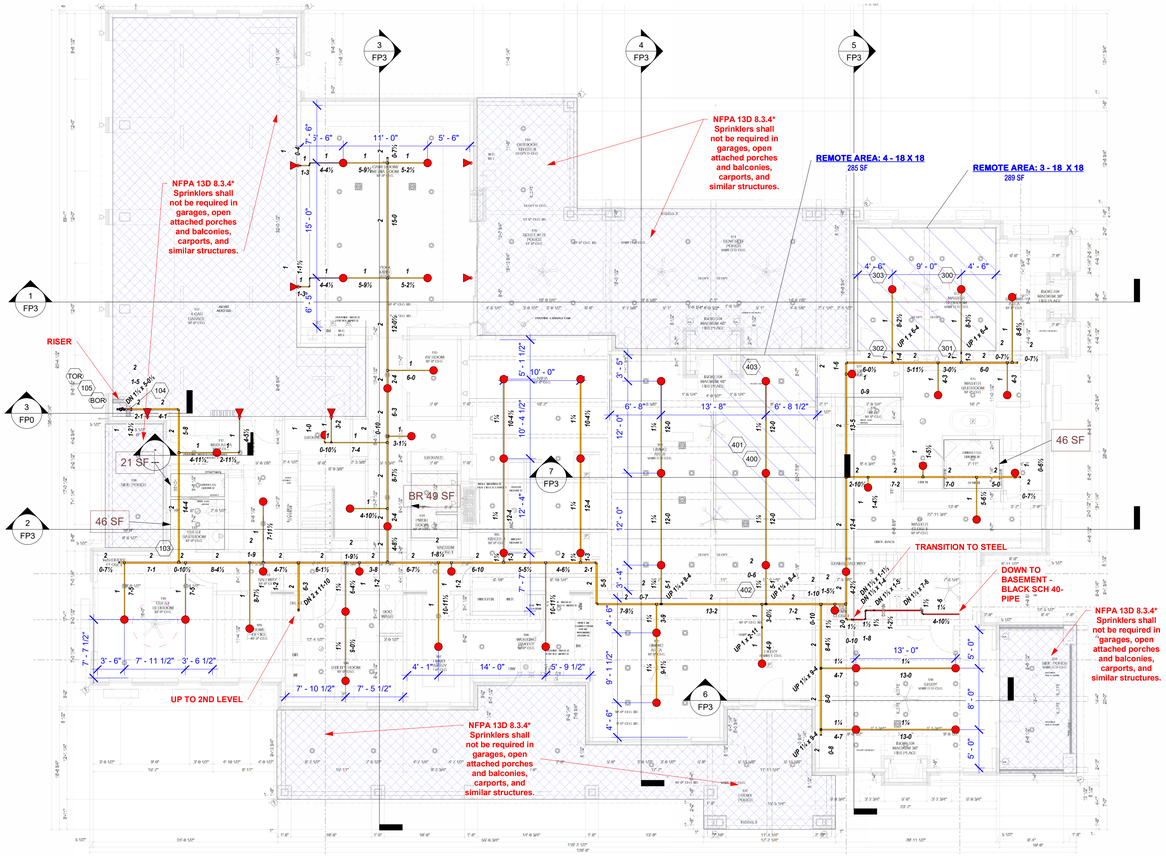
HARPOLE HOUSE

910 E. HARPOLE RD.
ARGYLE, TEXAS 76226

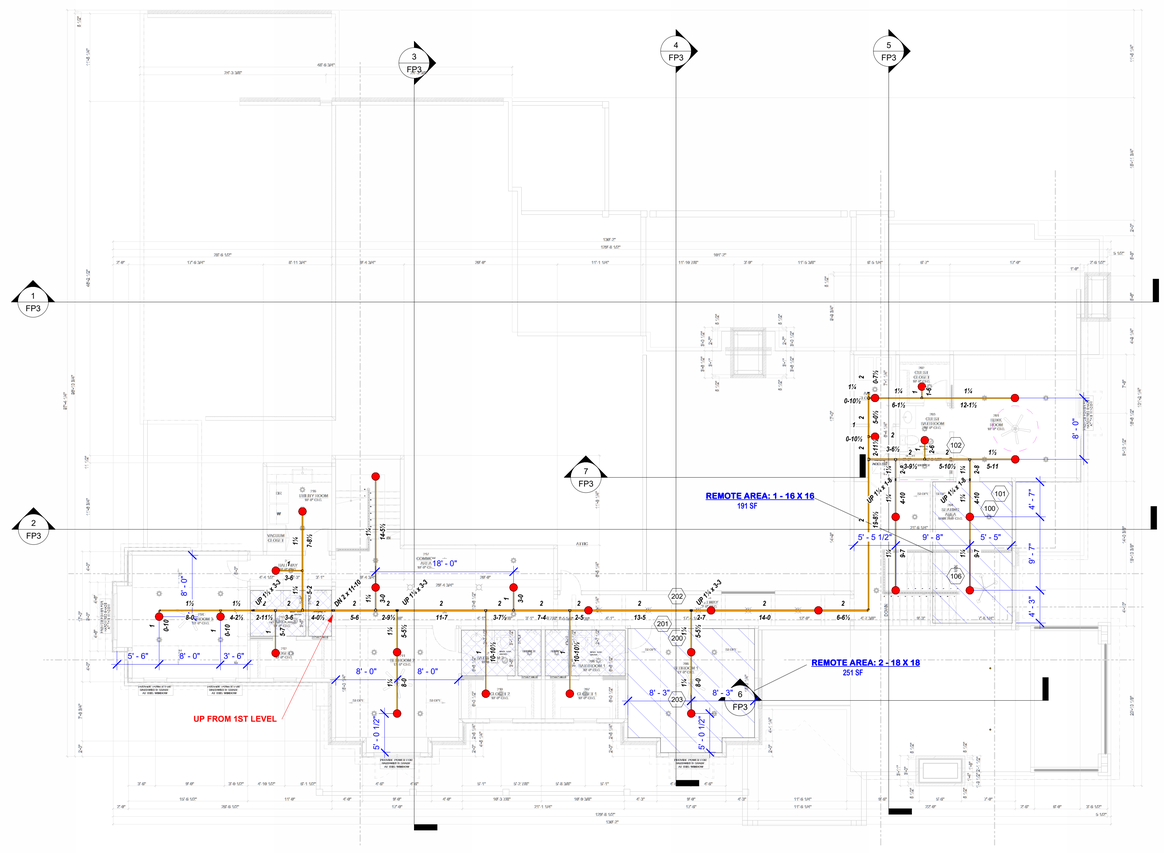
GOLDEN TRIANGLE FIRE PROTECTION

GOLDEN TRIANGLE FIRE PROTECTION INC.
5000 ENERGY PLACE, BUILDING 300
DENTON TEXAS 76207
METRO (940) 243-0929

SCALE:	1" = 40'-0"
DESIGNED BY:	Author
CHECKED BY:	Checker
CONTRACT NO:	Project Number
DATE:	6/29/2026 4:45:30 PM
DRAWING NO.	FP1



1 Level 1
1/8" = 1'-0"



2 Level 2
1/8" = 1'-0"

Fire Protection System Demand:

Remote area number:	4
Occupancy classification:	13D
Density:	.05 Gpm/SqFt
Area of application:	285 SqFt
No. of sprinklers calculated:	2
Total Hose Streams:	0 GPM
Total Additional Flow:	0 GPM
Total water required (including hose streams): @ a required system pressure of:	33.9722 GPM 55.3975 Psi
Safety Margin:	12.5773 Psi (18.5%)

Fire Protection System Demand:

Remote area number:	3
Occupancy classification:	13D
Density:	.05 Gpm/SqFt
Area of application:	289 SqFt
No. of sprinklers calculated:	2
Total Hose Streams:	0 GPM
Total Additional Flow:	0 GPM
Total water required (including hose streams): @ a required system pressure of:	33.9651 GPM 54.5405 Psi
Safety Margin:	13.4344 Psi (19.8%)

Fire Protection System Demand:

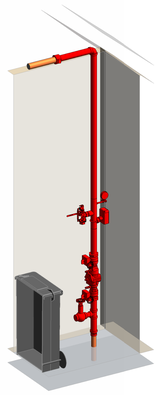
Remote area number:	2
Occupancy classification:	13D
Density:	.05 Gpm/SqFt
Area of application:	251 SqFt
No. of sprinklers calculated:	2
Total Hose Streams:	0 GPM
Total Additional Flow:	0 GPM
Total water required (including hose streams): @ a required system pressure of:	34.0183 GPM 57.385 Psi
Safety Margin:	10.5898 Psi (15.6%)

Fire Protection System Demand:

Remote area number:	1
Occupancy classification:	13D
Density:	.05 Gpm/SqFt
Area of application:	191 SqFt
No. of sprinklers calculated:	2
Total Hose Streams:	0 GPM
Total Additional Flow:	0 GPM
Total water required (including hose streams): @ a required system pressure of:	25.9896 GPM 43.0842 Psi
Safety Margin:	24.9005 Psi (36.6%)

Sprinkler Schedule

	No. of Sprklrs	Manufacturer	SIN	K-Factor	Orifice Size	Temp	Response	FINISH
◀	7	Viking	VK449	4	1/2"	200 °F	Quick	WHITE
○	6	Viking	VK467	4.9	1/2"	155 °F	Quick	WHITE
◉	80	Viking	VK494	4.9	1/2"	155 °F	Quick	WHITE
: 93								
Total No. of Sprinklers: 93								



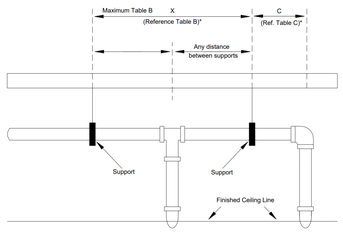
7 3D RISER

Table A - Support Spacing for Water Filled Pipe

Nominal Size, Inches/(mm)	Max. Support Spacing, Feet/(Meters)
3/4" (20.0 mm)	5-1/2' (1.67 m)
1" (25.0 mm)	6' (1.82 m)
1-1/4" (32.0 mm)	6-1/2' (1.98 m)
1-1/2" (40.0 mm)	7' (2.13 m)
2" (50.0 mm)	8' (2.43 m)
2-1/2" (65.0 mm)	9' (2.74 m)
3" (80.0 mm)	10' (3.04 m)

Table C - Maximum Support Spacing Distance End Sprinkler Head Drop Elbow

Nominal Pipe Size (inches/mm)	Less than 100 psi (690 kPa)	More than 100 psi (690 kPa)
3/4" (20 mm)	9" (228.6 mm)	6" (152.4 mm)
1" (25 mm)	12" (304.8 mm)	9" (228.6 mm)
1-1/4" (32 mm)	16" (406.4 mm)	12" (304.8 mm)
1-1/2" – 3" (40 – 80 mm)	24" (609.6 mm)	12" (304.8 mm)



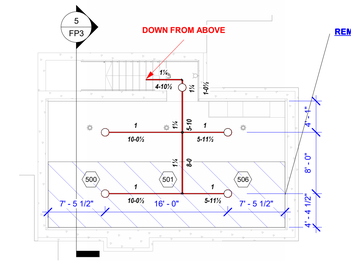
Support Spacing Drop Elbow and Drop Tee

Table B - Maximum Support Spacing Distance In Line Sprinkler Head Drop Tee

Nominal Pipe Size (inches/mm)	Less than 100 psi (690 kPa)	More than 100 psi (690 kPa)
3/4" (20 mm)	4' (1.22 m)	3' (0.91 m)
1" (25 mm)	5' (1.52 m)	4' (1.22 m)
1-1/4" (32 mm)	6' (1.83 m)	5' (1.52 m)
1-1/2" – 3" (40 - 80 mm)	7' (2.13 m)	7' (2.13 m)

Pipe Fitting & Size Schedule

Qty	Family and Type	Size	HCAD-System
1	CPVC - Coupling: Standard	1 1/2"-1 1/2"	13D
6	CPVC Cap: Standard	2"	13D
3	CPVC Elbow: Standard Reducing	1 1/2"-1 1/2"	13D
2	CPVC Elbow: Standard Reducing	1 1/2"-1"	13D
25	CPVC Elbow: Standard Reducing	1 1/4"-1 1/4"	13D
44	CPVC Elbow: Standard Reducing	1"-1"	13D
1	CPVC Elbow: Standard Reducing	2"-1 1/2"	13D
6	CPVC Elbow: Standard Reducing	2"-2"	13D
15	CPVC Red Coupling: Standard	1 1/4"-1/2"	13D
65	CPVC Red Coupling: Standard	1"-1/2"	13D
1	CPVC Tee: Standard - Reducing	1 1/2"-1 1/2"-1"	13D
20	CPVC Tee: Standard - Reducing	1 1/4"-1 1/4"-1"	13D
1	CPVC Tee: Standard - Reducing	2"-1 1/2"-1 1/4"	13D
1	CPVC Tee: Standard - Reducing	2"-1 1/2"-2"	13D
14	CPVC Tee: Standard - Reducing	2"-2"-1 1/4"	13D
36	CPVC Tee: Standard - Reducing	2"-2"-1"	13D
7	CPVC Tee: Standard - Reducing	2"-2"-2"	13D
3	CPVC-Cross: Standard	2"-2"-1"-1"	13D
4	HCAD1-Thread-Ell: Std	1 1/2"-1 1/2"	13D
1	HCAD1-Thread-Ell: Std	1 1/2"-1 1/4"	13D
4	HCAD1-Thread-Ell: Std	1"-1/2"	13D
1	HCAD1-Thread-Ell: Std	2"-2"	13D
1	HCAD1-Thread-Tee: Standard	1 1/2"-1 1/2"-1/2"	13D
1	Hcad3-Vic-Coupling: 22-Flick-009N	2"-2"	13D
1	HCAD-Thread-Ell: Std	1 1/4"-1 1/4"	13D
1	HCAD-Thread-Tee: Standard	1 1/4"-1"-1"	13D
1	HCAD-Thread-Tee: Standard	1 1/4"-1/2"-1 1/4"	13D



3 Basement
1/8" = 1'-0"

Fire Protection System Demand:

Remote area number:	5
Occupancy classification:	13D
Density:	.05 Gpm/SqFt
Area of application:	SqFt
No. of sprinklers calculated:	2
Total Hose Streams:	265 GPM
Total Additional Flow:	0 GPM
Total water required (including hose streams): @ a required system pressure of:	32.2483 GPM 49.2449 Psi
Safety Margin:	18.7322 Psi (27.6%)

Pipe Size & Type Schedule

Diameter	Segment Description
1"	CPVC - SDR 13.5 - Blazemaster Plastic Pipe (nominal diameters in inches)
1 1/4"	CPVC - SDR 13.5 - Blazemaster Plastic Pipe (nominal diameters in inches)
1 1/2"	CPVC - SDR 13.5 - Blazemaster Plastic Pipe (nominal diameters in inches)
2"	CPVC - SDR 13.5 - Blazemaster Plastic Pipe (nominal diameters in inches)
1"	Schedule 40 Pipe using Nominal Diameters in Inches
1 1/4"	Schedule 40 Pipe using Nominal Diameters in Inches
1 1/4"	Schedule 40 Pipe using Nominal Diameters in Inches
1 1/2"	Schedule 40 Pipe using Nominal Diameters in Inches
2"	Schedule 40 Pipe using Nominal Diameters in Inches

TRUE

Software: REVIT/HCAD

STANDARD SYMBOLS	STANDARD SYMBOLS
# - HYDRAULIC NODE POINT	- GLOBE UMC RISER
- FIRE DEPT. CONNECTION	- BUTTERFLY VALVE
- CPVC FP PIPE	- CHECK VALVE
- STEEL FP PIPING	- O.S.&Y. GATE VALVE
- UNDERGROUND FP PIPING	- BACKFLOW PREVENTER

PLAN REVIEW STAMP

REVISION

DESCRIPTION	BY

I have reviewed these plans and certify that they comply with the adopted NFPA Standards.

GOLDEN TRIANGLE FIRE PROTECTION, INC.
5000 ENERGY PLACE, BUILDING 300
DENTON, TEXAS 76207
SCR # 0273 Phone 940-243-0929

Printed RME Name: _____
RME Signature: _____
RME #: _____ Date: _____
AS BUILTS SUBMITTAL OTHER

PIPING PLAN

DESIGNED BY:

NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES
Certificate of Competency
This is to certify that
Gerald W. Ebeling
Water-based Systems Layout Level IV
Certification Date: 08/08/2008
Expiration Date: 08/08/2013
Certificate Number: 92408-W4
Chairman, National Institute for Certification in Engineering Technologies

IMPORTANT NOTE: FOR OWNER

In localities subject to freezing conditions, it is the owner's responsibility to provide heat & maintain a minimum of 40 degrees throughout wet pipe sprinkler system & in enclosures for dry pipe, deluge, & other types of valves controlling water supplies to sprinkler systems..

CONTRACT NAME:

HARPOLE HOUSE

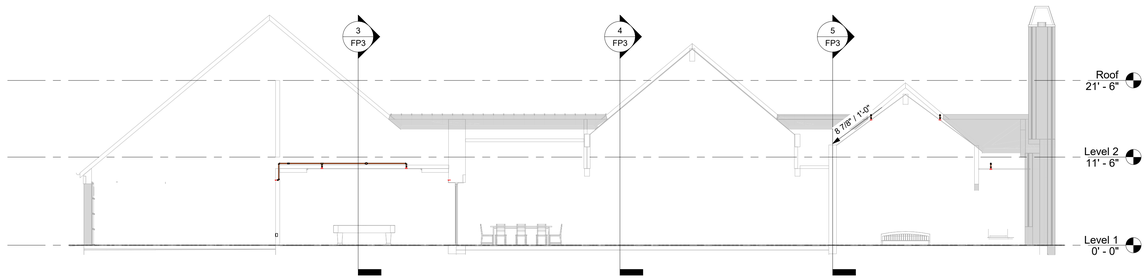
910 E. HARPOLE RD.
ARGYLE, TEXAS 76226

GOLDEN TRIANGLE FIRE PROTECTION

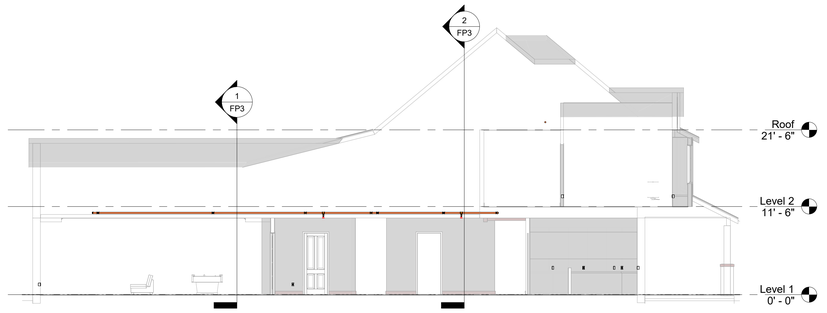
GOLDEN TRIANGLE FIRE PROTECTION INC.
5000 ENERGY PLACE, BUILDING 300
DENTON TEXAS 76207
METRO (940) 243-0929

SCALE: As indicated
DESIGNED BY: Author
CHECKED BY: Checker
CONTRACT NO: Project Number
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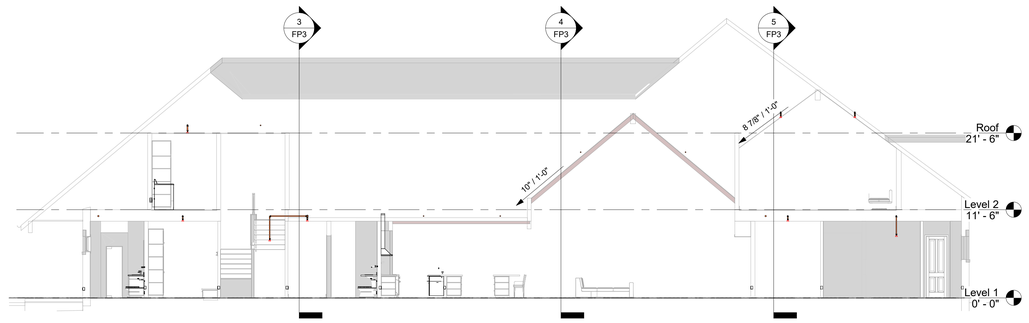
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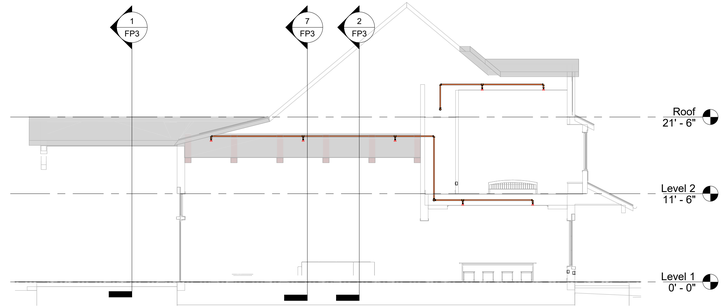
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0 6' 12'



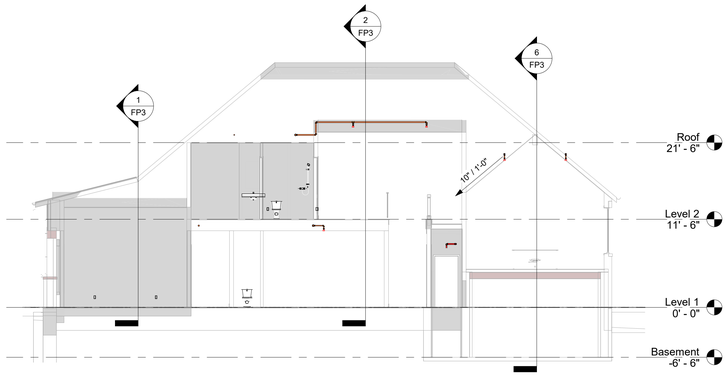
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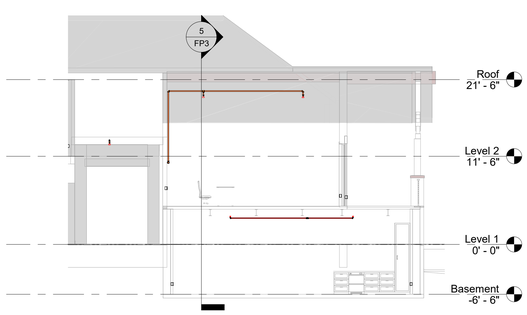
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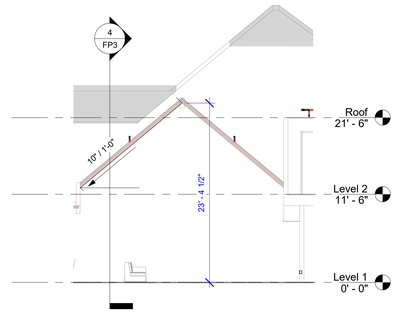
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5 Section 7
1/8" = 1'-0"
0 6' 12'



6 Section 10
1/8" = 1'-0"
0 6' 12'



7 Section 12
1/8" = 1'-0"
0 6' 12'

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TRUE

Software: REVIT/HCAD

STANDARD SYMBOLS	STANDARD SYMBOLS
# - HYDRAULIC NODE POINT	- GLOBE UMC RISER
- FIRE DEPT. CONNECTION	- BUTTERFLY VALVE
- CPVC FP PIPE	- CHECK VALVE
- STEEL FP PIPING	- O.S.&Y. GATE VALVE
- UNDERGROUND FP PIPING	- BACKFLOW PREVENTER

PLAN REVIEW STAMP

REVISION

DESCRIPTION	BY

I have reviewed these plans and certify that they comply with the adopted NFPA Standards.

GOLDEN TRIANGLE FIRE PROTECTION, INC.
5000 ENERGY PLACE, BUILDING 300
DENTON, TEXAS 76207
SCR # 0273 Phone 940-243-0929

Printed RME Name: _____
RME Signature: _____
RME #: _____ Date: _____
___ AS BUILTS ___ SUBMITTAL ___ OTHER

SECTION PLAN

DESIGNED BY:

NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES
Certificate of Competency
Gerald W. Ebeling
Water-based Systems Layout Level IV
Certificate No. 000000 Expiration Date: 00/00/0000
THIS CERTIFICATE IS AWARDED TO THE ABOVE NAMED INDIVIDUAL AND HAS BEEN AUTHORIZED BY THE NICET COUNCIL

IMPORTANT NOTE: FOR OWNER

in localities subject to freezing conditions, it is the owner's responsibility to provide heat & maintain a minimum of 40 degrees throughout wet pipe sprinkler system & in enclosures for dry pipe, deluge, & other types of valves controlling water supplies to sprinkler systems..

CONTRACT NAME:

HARPOLE HOUSE

910 E. HARPOLE RD.
ARGYLE, TEXAS 76226

GOLDEN TRIANGLE FIRE PROTECTION INC.
5000 ENERGY PLACE, BUILDING 300
DENTON TEXAS 76207
METRO (940) 243-0929

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1 3D ISO PLAN

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TRUE

Software: REVIT/HCAD

STANDARD SYMBOLS		STANDARD SYMBOLS	
#	- HYDRAULIC NODE POINT		- GLOBE UMC RISER
	- FIRE DEPT. CONNECTION		- BUTTERFLY VALVE
	- CPVC FP PIPE		- CHECK VALVE
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PLAN REVIEW STAMP

REVISION

DESCRIPTION	BY

I have reviewed these plans and certify that they comply with the adopted NFPA Standards.

GOLDEN TRIANGLE FIRE PROTECTION, INC.
5000 ENERGY PLACE, BUILDING 300
DENTON, TEXAS 76207
SCR # 0273 Phone 940-243-0929

Printed RME Name: _____
RME Signature: _____
RME #: _____ Date: _____
AS BUILTS SUBMITTAL OTHER

3D ISO PLAN

DESIGNED BY:

NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES

Gerald W. Ebeling
Water-Based Systems Layout Level IV

IMPORTANT NOTE: FOR OWNER

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CONTRACT NAME:

HARPOLE HOUSE

910 E. HARPOLE RD.
ARGYLE, TEXAS 76226

GOLDEN TRIANGLE FIRE PROTECTION

GOLDEN TRIANGLE FIRE PROTECTION INC.
5000 ENERGY PLACE, BUILDING 300
DENTON TEXAS 76207
METRO (940) 243-0929

SCALE:

DESIGNED BY: Author

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CONTRACT NO: Project Number

DATE: 6/29/2026 4:45:49 PM

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