

GUAM POWER AUTHORITY

ATURIDÅT ILEKTRESEDÅT GUÅHAN P.O.BOX 2977 • HAGÅTÑA, GUAM U.S.A. 96932-2977

April 22, 2025

AMENDMENT NO.: V

TO

INVITATION FOR BID NO.: GPA-027-25

FOR

GLORIA B. NELSON PUBLIC SERVICE BUILDING FIRE PROTECTION SERVICE AND MAINTENANCE CONTRACT

Prospective Bidders are hereby notified of the following responses to the inquiries received from Bidder No.: 1 dated April 4, 2025:

INCLUSIONS:

- Attachment C: Plan and Hydraulic Calc Wet Piping
- Attachment D: GPA-GWA Multi-Purpose Facility Fire Pump Inspection
- Attachment E: Fire Suppression 2D
- Attachment F: GPA GWA Gloria B

QUESTION:

- 1. Fire Sprinkler System Documentation:
 - Please provide copies of the As-built drawings and original Acceptance Testing Certifications for the fire sprinkler system, including the fire pump system. (Note: Attachment A of the bid documents appears to pertain to the Fire Alarm System, not the Fire Sprinkler System.)

ANSWER:

Refer to Attachments C, D and F of *INCLUSIONS* above.

QUESTION:

- 2. FM-200 Clean Agent Suppression System Documentation:
 - Please provide copies of the As-built drawings, Operation and Maintenance manuals, and System Acceptance Testing Certification for the FM-200 Clean Agent Suppression System.

ANSWER:

Refer to Attachment E of *INCLUSIONS* above.

QUESTION:

3. FM-200 System Component Availability:

o Given that Viking no longer manufactures the installed FM-200 Clean Agent System, how will the government address potential future component replacement and system maintenance?

ANSWER:

Any changes to an existing system shall be submitted in writing for further review.

QUESTION:

4. FM-200 Cylinder Hydrostatic Testing:

 As the FM-200 cylinders are beyond their 10-year hydrostatic testing requirement, please clarify the government's plan for addressing this issue.

ANSWER:

Testing, maintenance, parts, certification and inspection are part of the fire protection maintenance contract. Any FM-200 equipment (cylinders included) that require testing or replacement, that is part of the maintenance contract.

QUESTION:

5. FM-200 Cylinder Bracketing (UPS Room):

The UPS Room features two FM-200 cylinder feeds, but only one cylinder bracket is present. Is the provision and installation of additional bracketing, to ensure code compliance, within the scope of this contract?

ANSWER:

The installation of an additional cylinder bracket is in line with the terms of the maintenance contract.

OUESTION:

6. UPS Room Expansion Drawings:

 Please provide copies of the design/As-built drawings reflecting the expansion of the UPS Room, to ensure accurate assessment of the system configuration.

ANSWER:

Refer to Attachment E of *INCLUSIONS* above.

QUESTION:

7. Server Room Riser Pipe Bracketing:

The riser pipes in the Server Room, downstream of the rubber discharge hose, lack bracketing. Given the 725 PSI cylinder discharge pressure, is the provision and installation of adequate bracketing for these riser pipes within the scope of this contract?

ANSWER:

All work relating to maintenance, repair, inspection, and certification are included in the fire alarm/suppression protection system maintenance contract.

QUESTION:

- 8. IFB GPA-027-25, Page 6, Descriptions E & F:
 - Please clarify whether the existing Fire Sprinkler System incorporates a Pre-Action/Dry Pipe System. Provision of the As-built drawings would greatly assist in this clarification.

ANSWER:

- a. Yes. FM-200 dry-pipe sprinkler system inspection and testing is part of the maintenance contract.
- b. Refer to Attachments C, D and F of *INCLUSIONS* above.

QUESTION:

- 9. Amendment No. 3, Description F.9:
 - Amendment No. 3, Description F.9, stipulates that system parameters must be "within acceptable levels." Please clarify the specific acceptable levels, as manufacturer requirements typically specify a minimum standard, not a range.

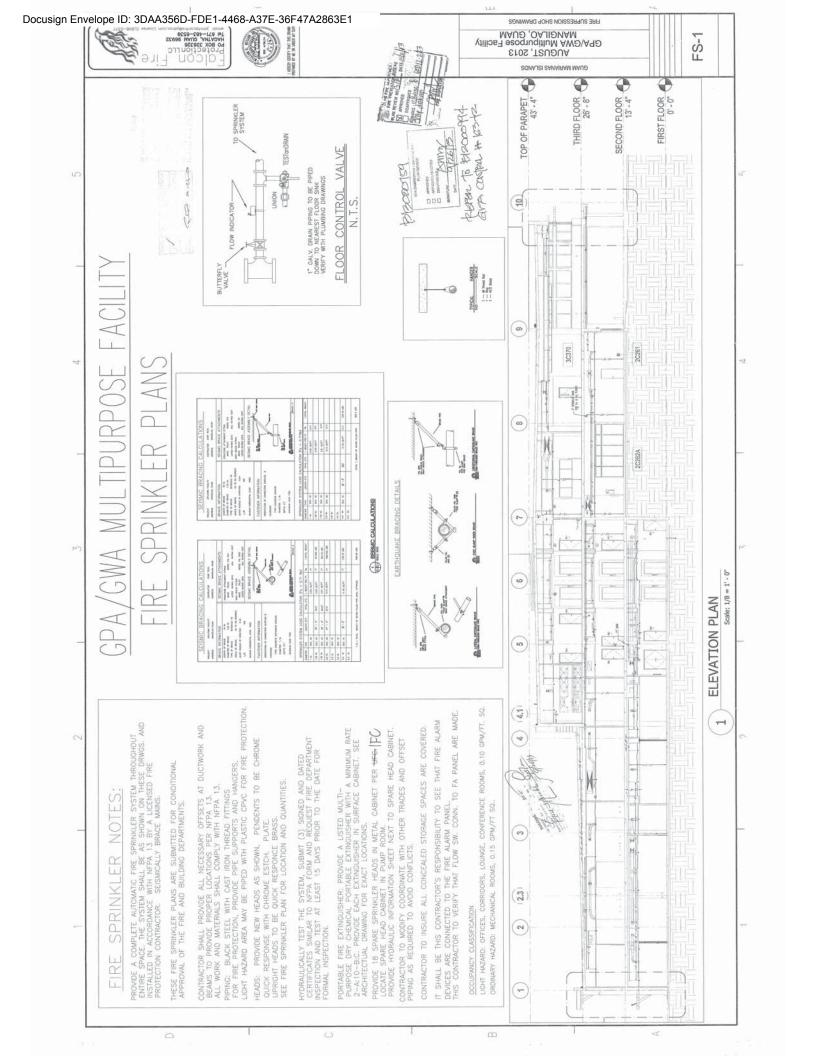
ANSWER:

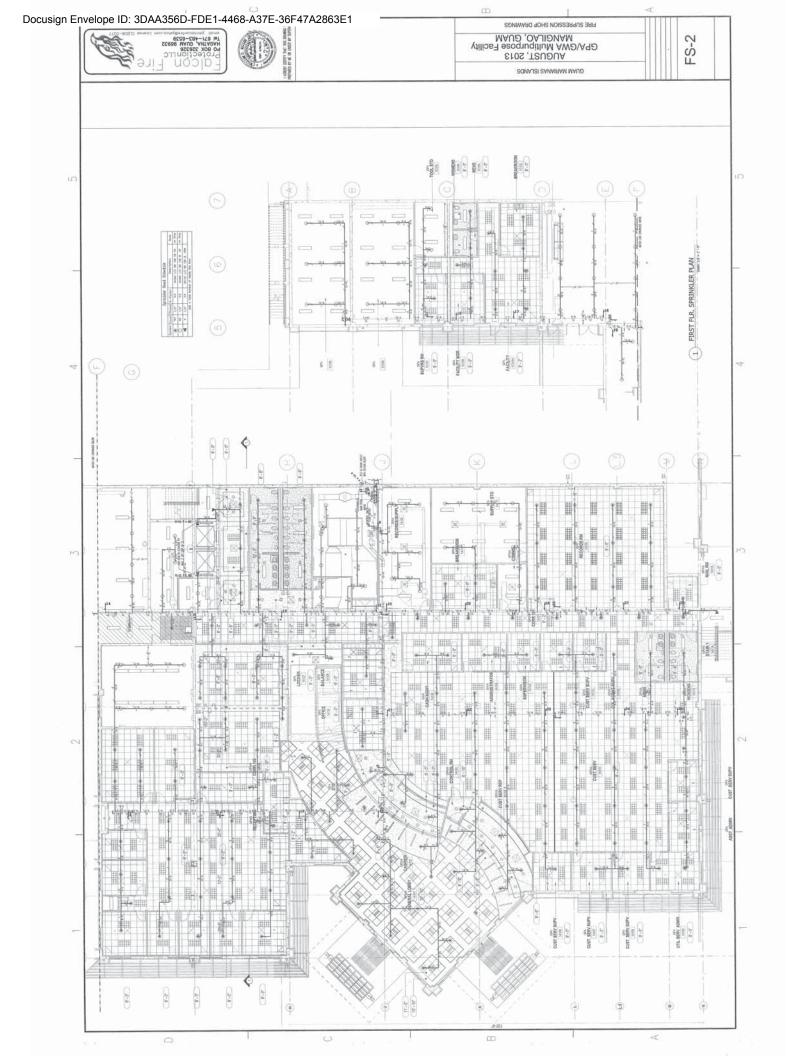
Within acceptable levels, implies "readings must meet manufacturer recommended standards".

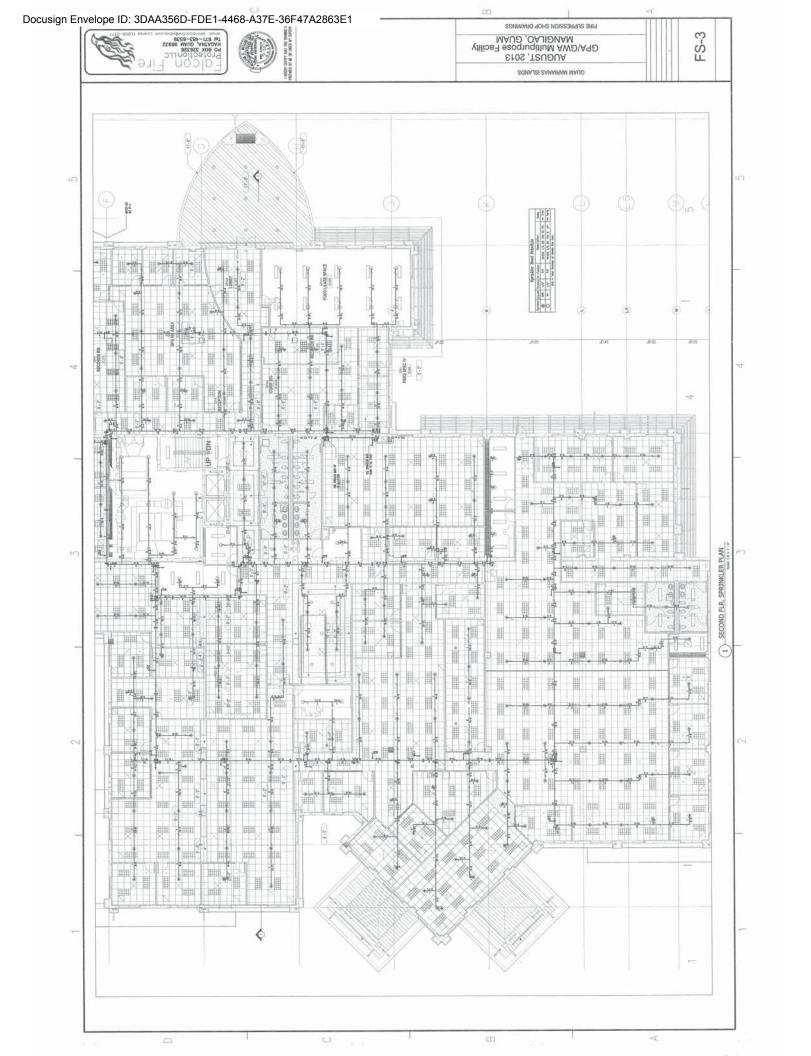
All other Terms and Conditions in the bid package shall remain unchanged and in full force.

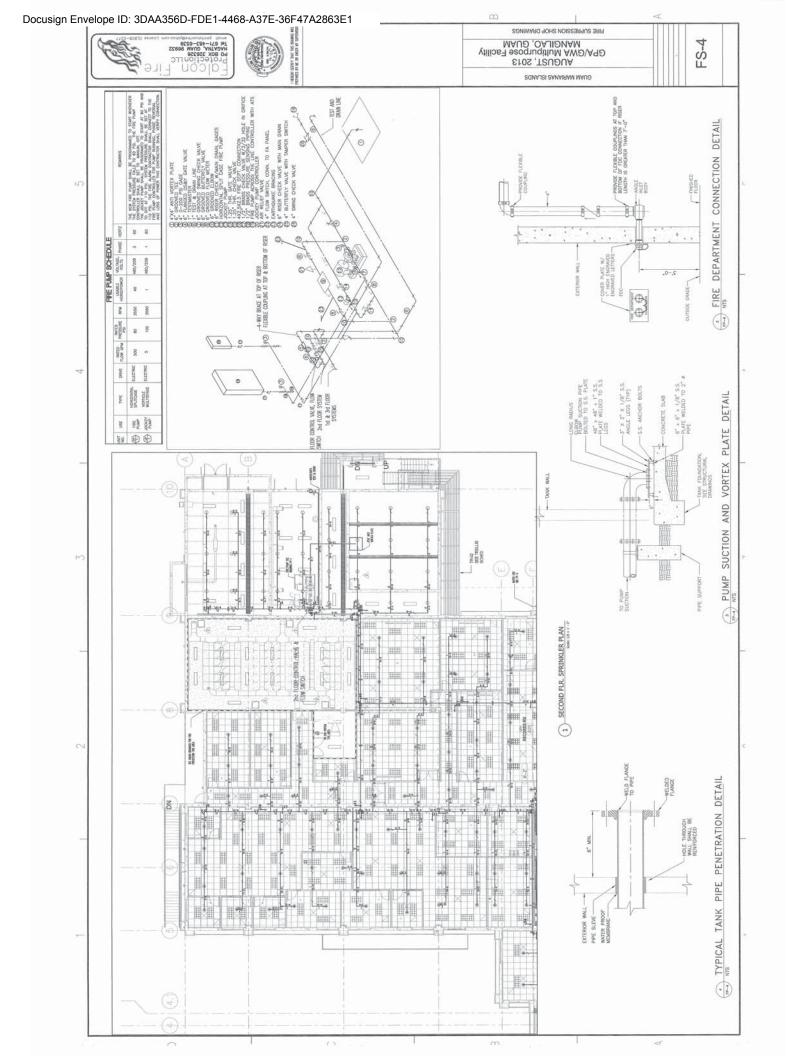
JOHN M. BENAVENTE, P.E. General Manager

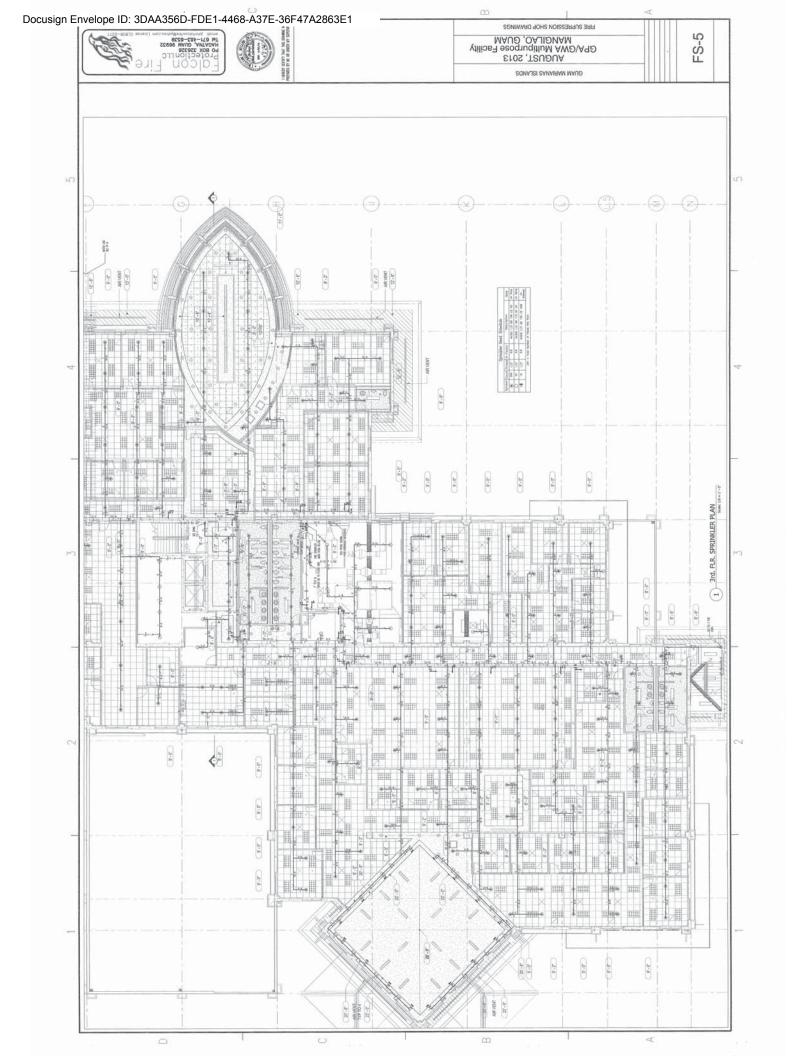
ATTACHMENT C: Plan and Hydraulic Calc -Wet Piping

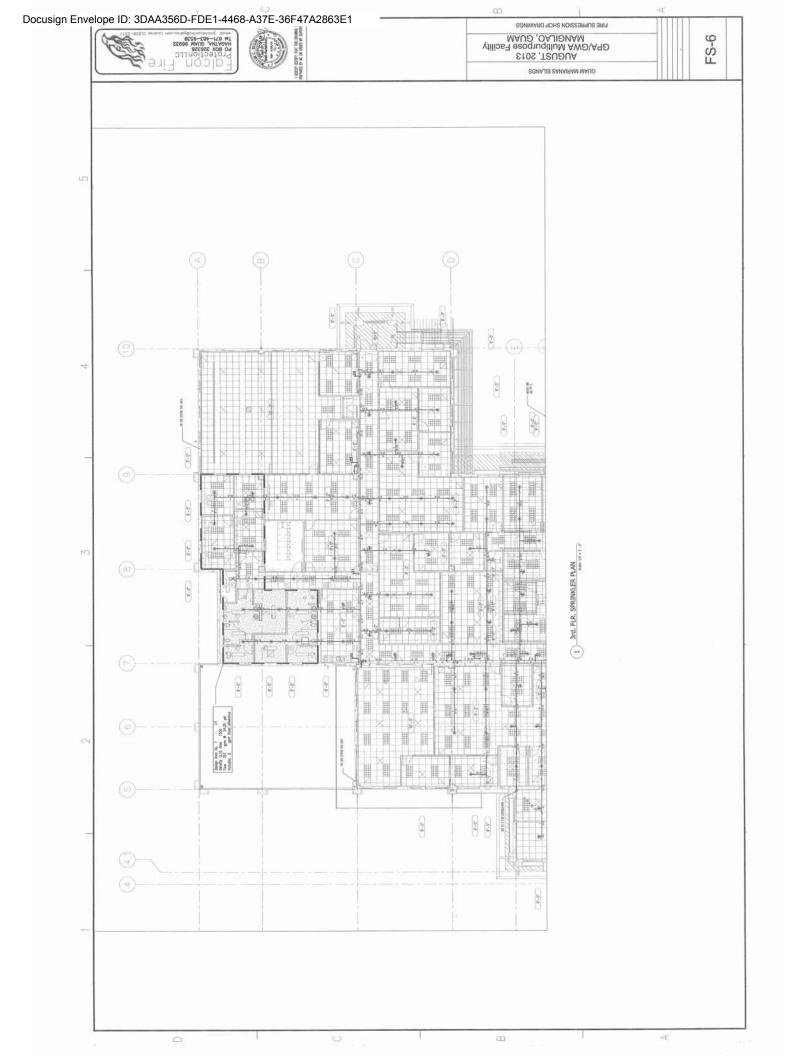


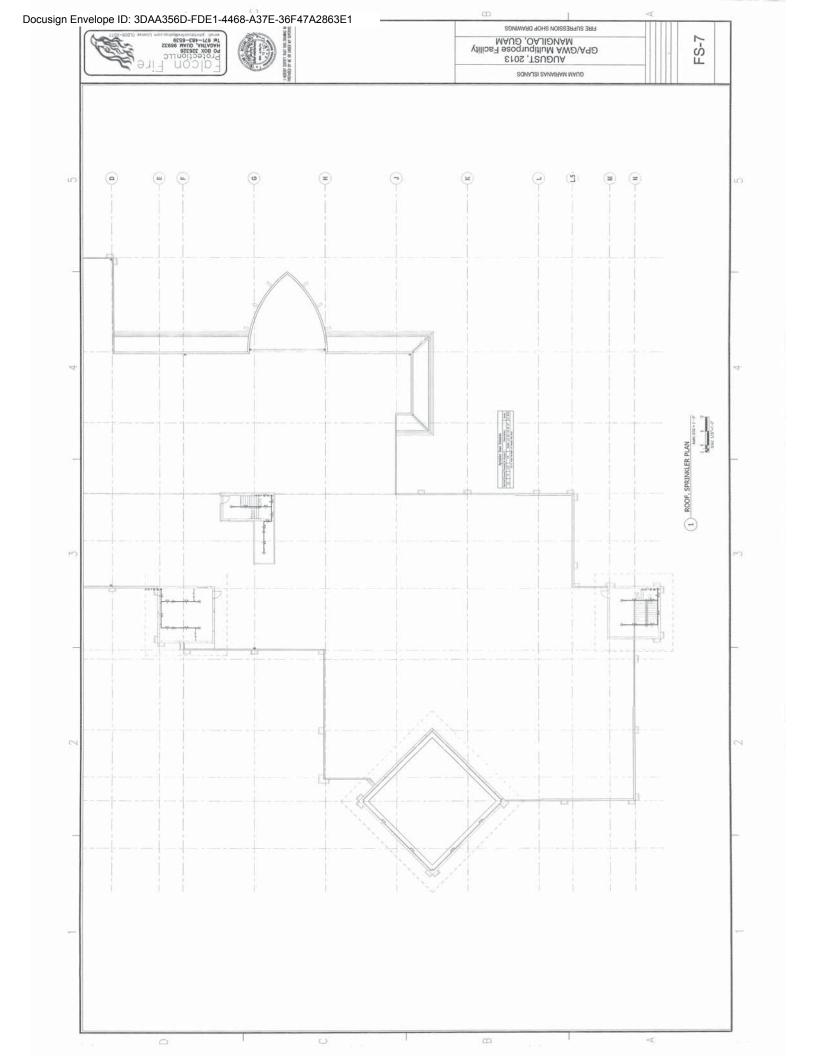












HYDRAULIC CALCULATIONS SUMMARY SHEET

DATE

5-Aug-13

LOCATION

GPA/GWA FACILITY MANGILAO, GUAM

OWNER

GOVERNMENT OF GUAM

REMOTE AREA

THRID FLOOR

HAZARD CLASSIFICATION

LIGHT HAZARD

APPROVING AGENCY

GUAM FIRE DEPT.

SYSTEM DESIGN REQUIREMENTS

1. DESIGN AREA OF APPLICATION

MOST REMOTE 1500 FT. SQ.

2. MINIMUM RATE OF WATER APPLICATION

0.1 GPM PER SQ. FT

3. AREA PER SPRINKLER

VARIES

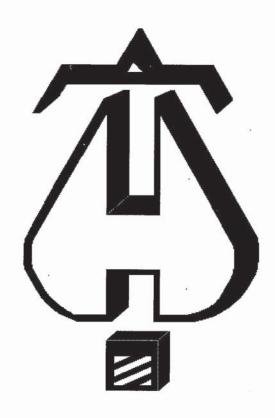
4, IN RACK DEMAND

0

TOTAL WATER REQUIRED AT BASE OF RISER INCLUDES 0 GPM HOSE ALLOWANCE PRIVATE WATER SOURCE

257.8 GPM @ 54.25 PSI





. . . Fire Protection by Computer Design

Gary Lansing, PE Barrigada, Guam Honolulu, Hawaii gla96913@hotmail.com 671-734-6641

Job Name : GPA GWA MULTIPURPOSE FACILITY

Building

Location

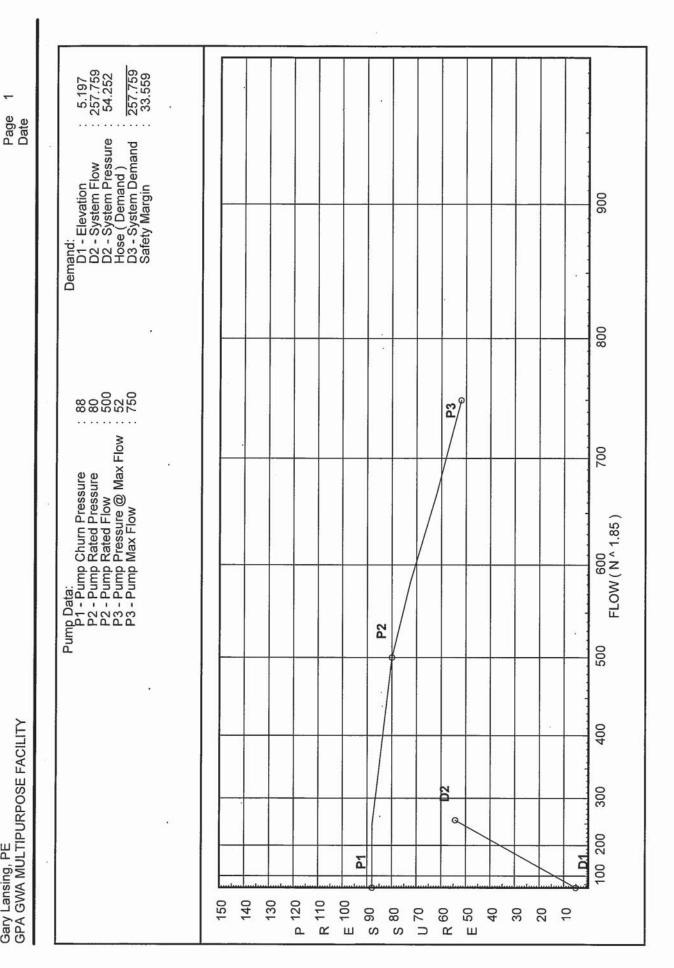
System

Contract

Data File : FP-4 AREA 1.wxf

Water Supply Curve (C)

Gary Lansing, PE GPA GWA MULTIPURPOSE FACILITY



Computer Programs by Hydratec Inc. Route 111 Windham N.H. USA 03087

Fittings Used Summary

| g, PE | NULTIPURPOSE FACILITY |
|---------|-----------------------|
| sing, F | M |
| Lansi | GWA |
| sary | 3PA |

| GPA | Gary Lansing, PE GPA GWA MULTIPURPOSE FACILITY | CILITY | | | | | | | | | | | | | | | | Page Date | Je 2 e | | |
|----------------------|---|--------|---------|----------|-------------------------------|---------|---------|------|----|------|----|----|----|-----|-----|----|-----|--------------|-----------|-----|-----|
| Fitting L Abbrev. | itting Legend Nbrev. Name | 7,2 | 3% | | 17, | 11/2 | . 2 | 21/2 | ю | 3% | 4 | 2 | 9 | | 9 | 12 | 41 | 16 | 18 | 20 | 24 |
| В | NFPA 13 Butterfly Valve | 0 | 0 | 0 | 0 | 9 | 9 | 7 | 10 | 0 | 5 | σ | Ę | 12 | 0, | | | c | c | c | c |
| ш | NFPA 13 90' Standard Elbow | τ- | 7 | 7 | က | 4 | D. | . 9 | 7 | 0 00 | 10 | 12 | 14 | 1 6 | 2 6 | 70 | 3,0 | 9 6 | 2 4 | 2 4 | o 7 |
| Fsp | Flow Switch Potter VSR | Fittin | g gener | ates a F | itting generates a Fixed Loss | s Based | on Flow | | |) | ? | į | | 2 | 1 | ī | 3 | 2 | 2 | 3 | 5 |
| S | NFPA 13 Swing Check | 0 | 0 | 2 | 7 | 6 | 7 | 14 | 16 | 10 | 22 | 27 | 32 | 45 | 55 | 85 | | | | | |
| _ | NFPA 13 90' Flow thru Tee | က | 4 | ည | 9 | 80 | 10 | 12 | 15 | 17 | 20 | 25 | 30 | 35 | 20 | 09 | 71 | 81 | 91 | 101 | 121 |
| | | | | | | | | | ٠ | | | | | | | | | | | | |
| | | | | | ** | | | | | | | | | | , | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

Units Summary

Pounds per Square Inch US Gallons per Minute Inches Feet Diameter Units Pressure Units Length Units Flow Units

supplied by manufacturers based on specific pipe diameters and CFactors and they require no Equivalent lengths shown are standard for actual diameters of Sched 40 pipe and CFactors Note: Fitting Legend provides equivalent pipe lengths for fittings types of various diameters. of 120 except as noted with *. The fittings marked with a * show equivalent lengths values adjustment. All values for fittings not marked with a * will be adjusted in the calculation for CFactors of other than 120 and diameters other than Sched 40 per NFPA.

Pressure / Flow Summary - STANDARD

Gary Lansing, PE GPA GWA MULTIPURPOSE FACILITY

Page Date

| Node No. | Elevation | K-Fact | Pt Actual | Pn | Flow Actual | Density | Area | Press Req. |
|-------------|-----------|--------------|--------------|------|----------------|---------|--------|---------------|
| DP01 | 11.0 | E 6 | 7.0 | 22 | 44.00 | 0.4 | 440 | 7.0 |
| | 12.0 | 5.6 | 7.0 | na | 14.82 | 0.1 | 110 | 7.0 |
| EQ01 | | F. 6 | 6.64 | na. | 44.00 | 0.4 | 140 | 7.0 |
| 1 | 13.0 | 5.6 | 7.0 | na | 14.82 | 0.1 | 110 | 7.0 |
| EQ02 | 12.0 | F.0 | 7.51 | na | 44.00 | | 440 | |
| DP03 | 11.0 | 5.6 | 7.0 | na | 14.82 | 0.1 | 110 | 7.0 |
| EQ03 | 12.0 | 2.2 | 7.02 | na | 77.77.00 | 0.500 | 57.023 | 0.2547 |
| DP04 | 11.0 | 5.6 | 7.0 | na | 14.82 | 0.1 | 110 | 7.0 |
| EQ04 | 12.0 | | 7.02 | na | LL/700Phable 1 | | | |
| 2 3 | 12.0 | K = K @ EQ01 | 6.64 | na | 14.82 | | | |
| 3 | 12.0 | | 7.74 | na | | | | |
| 4 | 12.0 | | 11.75 | na | | | | |
| 5 | 12.0 | K = K @ EQ03 | 12.68 | na | 19.92 | | | |
| 6 | 12.0 | | 16.65 | na | | | | |
| 7 | 12.0 | | 18.52 | na | | | | |
| 8 | 12.0 | • | 18.56 | na · | | | | |
| 9 | 12.0 | | 21.09 | na · | | | | |
| 10 | 12.0 | | 21.6 | na | | | | |
| 11 | 12.0 | | 22.63 | na | | | | |
| 12 | 12.0 | | 26.39 | na | | | | |
| 13 | 12.0 | | 37.68 | na | | | | |
| 14 | 12.0 | | 37.69 | na | | | | |
| 15 | -16.0 | | 50.73 | na | | | | |
| PUMP | 0.0 | | 54.25 | na | | | | |
| 16 | 12.0 | K = K @ EQ01 | 7.01 | na | 15.22 | | | |
| 17 | 12.0 | K = K @ EQ02 | 11.26 | na | 18.15 | | | |
| 18 | 12.0 | K = K @ EQ01 | 6.97 | na · | 15.18 | | | |
| 19 | 12.0 | K K & Lao | 7.78 | na | 13.10 | | | |
| 20 | 12.0 | | 12.14 | na | | | | |
| 21 | 12.0 | | 12.51 | na | | | | |
| 22 | 12.0 | | 15.23 | na | | | | |
| 23 | 12.0 | | 20.72 | | | | | |
| 23 24 | | | | na | | | | |
| 24 | 12.0 | V-V@ F001 | 20.72 | na | 45.74 | | | |
| 25 | 12.0 | K = K @ EQ01 | 7.47 | na | 15.71 | | | |
| 26 | 12.0 | K = K @ EQ01 | 10.7 | na | 18.8 | | | |
| 27 | 12.0 | K = K @ EQ01 | 11.47 | na | 19.47 | | | |
| 28 | 12.0 | K = K @ EQ01 | 10.72 | na | 18.83 | | | |
| 29 | 12.0 | K = K @ EQ04 | 12.28 | na | 19.6 | | | |
| 30 | 12.0 | K = K @ EQ03 | 14.78 | na | 21.51 | | | |
| 31 | 12.0 | K = K @ EQ01 | 10.83 | na | 18.92 | | | |
| 32 | 12.0 | K = K @ EQ04 | 12.11 | na | 19.46 | | | |
| 33 | 12.0 | K = K @ EQ03 | 15.69 | na | 22.16 | | ** | |

The maximum velocity is 15.17 and it occurs in the pipe between nodes 11 and 12

Final Calculations - Hazen-Williams

197.21

0.1012

11

Gary Lansing, PE Page 4 GPA GWA MULTIPURPOSE FACILITY Date Hyd. Qa Dia: Fitting Pipe Pt Pt Ref. "C" Pv ***** Ftng's Pe Notes or Point Qt Pf/Ft Total Pf Pn Eqv. Ln. **DP01** 14.82 1.049 0.0 1.000 7.000 K Factor = 5.60to 120.0 0.0 0.0 -0.43314.82 0.0750 0.0 **EQ01** 1.000 0.075 Vel = 5.500.0 14.82 6.642 K Factor = 5.75 1 14.82 1.049 0.0 1.000 7.000 K Factor = 5.60 120.0 0.0 to 0.0 0.433 EQ02 14.82 0.0750 0.0 1.000 0.075 Vel = 5.500.0 14.82 K Factor = 5.41 7.508 **DP03** 14.82 1.049 1T 5.0 1.000 7.000 K Factor = 5.60 120.0 0.0 to 5.000 -0.43314.82 EQ03 0.0747 0.0 6.000 0.448Vel = 5.500.0 14.82 7.015 K Factor = 5.60DP04 14.82 1.049 1T 5.0 1.000 7.000 K Factor = 5.60 to 120.0 0.0 5.000 -0.433**EQ04** 14.82 0.0747 0.0 6.000 0.448 Vel = 5.500.0 14.82 7.015 K Factor = 5.602 14.82 1.049 1E 2.0 7.660 6.642 K Factor @ node EQ01 120.0 1T 5.0 7.000 to 0.0 14.82 3 0.0747 0.0 14.660 1.095 Vel = 5.503 15.22 1.049 1T 5.0 9.540 7.737 120.0 0.0 5.000 to 0.0 30.04 4 0.2761 0.0 14.540 4.015 Vel = 11.15 4 18.15 1.38 0.0 5.350 11.752 to 120.0 0.0 0.0 0.0 5 48.19 0.1742 0.0 5.350 0.932 Vel = 10.34 5 19.92 1.38 0.0 12.000 12.684 K Factor @ node EQ03 120.0 0.0 to 0.0 0.0 68.11 6 0.3302 12.000 0.0 3.963 Vel = 14.61 6 0.0 1.61 0.0 12.000 16.647 to 120.0 0.0 0.0 0.0 7 68.11 0.1559 0.0 12.000 1.871 Vel = 10.737 0.0 2.067 0.0 1.000 18.518 to 120.0 0.0 0.0 0.0 1.000 8 68.11 0.0460 0.0 0.046 Vel = 6.518 0.0 1.61 1T 8.0 8.220 18.564 120.0 0.0 to 8.000 0.0 9 68.11 0.1559 0.0 16.220 2.528 Vel = 10.739 69.16 2.635 0.0 9.720 21.092 120.0 to 0.0 0.0 0.0 137.27 10 0.0517 0.0 9.720 0.503 Vel = 8.0810 59.94 2.635 0.0 10.250 21.595 to 120.0 0.0 0.0 0.0

1.037

Vel = 11.60

10.250

0.0

Final Calculations - Hazen-Williams

Gary Lansing, PE

| GPA GW | | JRPOSE FAC | ILITY | | žl. | 100 | | Date |
|-----------------------|-----------------------------------|----------------------|----------------------|-------------------|-------------------------|----------------------------|----------------|--|
| Hyd. Ref. Point | Qa Qt | Dia. "C" Pf/Ft | Fittin oı Eqv. | r | Pipe Ftng's Total | Pt Pe Pf | Pt Pv Pn | ****** Notes ***** |
| 11 | 60.55 | 2.635 | 1T | 16.474 | 6.140 | 22.632 | | |
| to 12 | 257.76 | 120.0 0.1660 | | 0.0 | 16.474 22.614 | 0.0 | | Vol = 15 17 |
| 12 | 0.0 | 3.26 | 1T | 20.159 | 162.210 | 3.755 · 26.387 | | Vel = 15.17 |
| to | | 120.0 | 1E | 9.408 | 29.567 | 0.0 | | |
| 13 | 257.76 | 0.0589 | | 0.0 | 191.777 | 11.294 | | Vel = 9.91 |
| 13 | 0.0 | 4.26 | | 0.0 | 0.630 | 37.681 | | |
| to 14 | 257.76 | 120.0 0.0159 | | 0.0 | 0.0 0.630 | 0.0 0.010 | | Vel = 5.80 |
| 14 | 0.0 | 3.26 | 7 | 0.0 | 15.430 | 37.691 | -100 million | VCI - 0.00 |
| to | | 120.0 | | 0.0 | 0.0 | 12.127 | | |
| 15 | 257.76 | 0.0588 | | . 0.0 | 15.430 | 0.908 | | Vel = 9.91 |
| 15 | 0.0 | 4.26 . 120.0 | 2T | 52.668 118.504 | 250.000 | 50.726 | | * Fixed less = 2 |
| to PUMP | 257.76 | 0.0160 | 1B 1Fsp 1S | 15.8 | 215.940 465.940 | -3.930 7.456 | | * Fixed loss = 3 Vel = 5.80 |
| | 0.0 | | 10 | 20.000 | | | | ************************************** |
| | 257.76 | | - WO | | | 54.252 | | K Factor = 35.00 |
| Safety M | Demand Pr argin Ition Press | | | | | 54.252 33.559 87.811 | | |
| 16 | 15.22 | 1.049 | 2E | 4.0 | 5.250 | 7.010 | | K Factor @ node EQ01 |
| to | 45.00 | 120.0 | | 0.0 | 4.000 | 0.0 | | |
| 3 | 15.22 | 0.0786 | | 0.0 | 9.250 | 0.727 | | Vel = 5.65 |
| | 0.0 15.22 | | | | | 7.737 | | K Factor = 5.47 |
| 17 | 18.15 | 1.049 | 1E | 2.0 | 2.500 | . 11.263 | | K Factor @ node EQ02 |
| to | | 120.0 | | 0.0 | 2.000 | 0.0 | | |
| 4 | 18.15 | 0.1087 | | 0.0 | 4.500 | 0.489 | | Vel'= 6.74 |
| 24 | 0.0 18.15 | | | | | 11.752 | | K Factor = 5.29 |
| 18 | 15.18 | 1.049 | 1E | 2.0 | 8.340 | 6.972 | | K Factor @ node EQ01 |
| 0 | | 120.0 | | 0.0 | 2.000 | 0.0 | | TYT dolor @ flode Ede f |
| 19 | 15.18 | 0.0781 | | 0.0 | 10.340 | . 0.808 | | Vel = 5.64 |
| 19 | 15.71 | 1.049 | 1T | 5.0 | 9.990 | 7.780 | | |
| 20 | 30.89 | 120.0 0.2909 | | 0.0 | 5.000 14.990 | 0.0 4.360 | | Vel = 11.47 |
| 20 | 18.81 | 1.38 | 1172 | 0.0 | 2.000 | 12.140 | | 701 11.47 |
| to | | 120.0 | | 0.0 | 0.0 | 0.0 | | |
| 21 | 49.7 | 0.1845 | 7.00-200 | 0.0 | 2.000 | 0.369 | | Vel = 10.66 |
| 21 | 19.47 | 1.38 | | 0.0 | 8.010 | 12.509 | | |
| 22 | 69.17 | 120.0 0.3398 | | 0.0 | 0.0 8.010 | 0.0 2.722 | | Vel = 14.84 |
| 22 | 0.0 | 1.61 | 1T | 8.0 | 26.230 | 15.231 | | VOI 17.07 |
| to | | 120.0 | 8.45 | 0.0 | 8.000 | 0.0 | | 2.5 |
| 23 | 69.17 | 0.1604 | | 0.0 | 34.230 | 5.490 | | Vel = 10.90 |

Final Calculations - Hazen-Williams

Gary Lansing, PE GPA GWA MULTIPURPOSE FACILITY

Page 6 Date

| Hyd. Ref. | Qa | Dia. "C" | Fittin or | - | Pipe Ftng's | Pt Pe | Pt Pv | ***** | Notes ***** |
|----------------|-------|-----------------|---|------------|-----------------|----------------|----------|------------|-------------|
| Point | Qt | Pf/Ft | Eqv. | Ln. | Total | Pf | Pn | | |
| | | JI SOM | | | | | | | |
| 23 | 0.0 | 4.26 | * " | 0.0 | 0.450 | 20.721 | XVIII | | |
| 0 | 60.47 | 120.0 | | 0.0 | 0.0 | 0.0 | | | |
| 24 | 69.17 | 0.0022 | | 0.0 | 0.450 | 0.001 | | Vel = 1. | 56 |
| 24 o | 0.0 | 2.635 120.0 | | 0.0 | 25.430 0.0 | 20.722 0.0 | | | |
| 9 | 69.17 | 0.0145 | | 0.0 | 25.430 | 0.370 | | Vel = 4. | 07 |
| | 0.0 | | | | | | | | |
| | 69.17 | | | | | 21.092 | | K Factor | = 15.06 |
| 25 | 15.71 | 1.049 | 1E | 2.0 | 1.750 | 7.468 | | | @ node EQ01 |
| 0 | | 120.0 | | 0.0 | 2.000 | 0.0 | | | • |
| 19 | 15.71 | 0.0832 | 12-1 | 0.0 | 3.750 | 0.312 | | Vel = 5. | 83 |
| | 0.0 | | | | | | | | |
| | 15.71 | | | | | 7.780 | | K Factor | |
| 26 | 18.80 | 1.049 | 1E | 2.0 | 5.420 | 10.698 | | K Factor | @ node EQ01 |
| o 20 | 18.8 | 120.0 0.1161 | 1T | 5.0 0.0 | 7.000 12.420 | . 0.0 1.442 | | Vol = 6 | 00 |
| | 0.0 | 0.1101 | | 0.0 | 12.420 | 1.442 | | Vel = 6. | 90 |
| | 18.80 | | | | | 12.140 | | K Factor | = 540 |
| 27 | 19.47 | 1.049 | 1E | 2.0 | 1.390 | 11.470 | | | @ node EQ01 |
| 0 | | 120.0 | 1T | 5.0 | 7.000 | 0.0 | | IX I doloi | @ node EQUI |
| 21 | 19.47 | 0.1238 | | 0.0 | 8.390 | 1.039 | | Vel = 7. | 23 |
| | 0.0 | | | | | | | | |
| | 19.47 | | | | | 12.509 | | K Factor | = 5.50 |
| 28 | 18.83 | 1.049 | 1E | 2.0 | 11.370 | 10.724 | | K Factor | @ node EQ01 |
| o - 29 | 18.83 | 120.0 0.1164 | | 0.0 | 2.000 | 0.0 | | \/-I - C | 00 |
| 29 | 19.60 | 1.049 | 1 | | 13.370 | 1.556 | | Vel = 6. | |
| 0 | 19.00 | 120.0 | | 0.0 | 5.750 0.0 | 12.280 0.0 | | K Factor | @ node EQ04 |
| 30 | 38.43 | 0.4357 | | 0.0 | 5.750 | 2.505 | | Vel = 14 | .27 |
| 30 | 21.51 | 1.38 | 1T | 6.0 | 20.120 | 14.785 | | | @ node EQ03 |
| 0 | | 120.0 | | 0.0 | 6.000 | 0.0 | | | @us _uso |
| 10 | 59.94 | 0.2607 | | 0.0 | 26.120 | 6.810 | | Vel = 12 | .86 |
| | 0.0 | | | | | | | | |
| | 59.94 | | | - | | 21.595 | | K Factor | |
| 31 | 18.92 | 1.049 | 1E | 2.0 | 8.870 | 10.831 | | K Factor | @ node EQ01 |
| o 32 | 18.92 | 120.0 0.1175 | | 0.0 | 2.000 10.870 | 0.0 1.277 | | Val = 7 | กว |
| 32 | 19.47 | 1.049 | | 0.0 | 8.250 | 12.108 | | Vel = 7. | |
| 0 | 10.47 | 120.0 | | 0.0 | 0.0 | 0.0 | | K Factor | @ node EQ04 |
| 33 | 38.39 | 0.4347 | | 0.0 | 8.250 | 3.586 | | Vel = 14 | 25 |
| 33 | 22.16 | 1.38 | 1T | 6.0 | 20.120 | 15.694 | | | @ node EQ03 |
| 0 | | 120.0 | | 0.0 | 6.000 | 0.0 | | | O |
| 11 | 60.55 | 0.2656 | | 0.0 | 26.120 | 6.938 | | Vel = 12. | 99 |
| | 0.0 | 684 | 3.5 | | | | | 82201 | |
| reconstruction | 60.55 | | | | | 22.632 | 1100 | K Factor | = 12.73 |

Docusign Envelope ID: 3DAA356D-FDE1-4468-A37E-36F47A2863E1

Final Calculations - Hazen-Williams

| Gary Lansi GPA GWA | | RPOSE FAC | CILITY | | | | Pag Dat | | |
|-----------------------|----|-------------|----------|----------------|----------|----------|------------|-------|-------|
| Hyd. Ref. | Qa | Dia. "C" | Fitting | Pipe Ftng's | Pt Pe | Pt Pv | ***** | Notes | ***** |
| Point | Qt | Pf/Ft | Eqv. Ln. | Total | Pf | Pn | | Notes | |

Attachment D: GPA-GWA Multi-Purpose Facility Fire Pump Inspection

P.O. Box 326326 Hagatna, GU 96932 Tel: (671) 482-6539 · Fax: (671) 969-3401 CLB08-0377 C19 & C20

FIRE PUMP - STANDARD TEST REPORT

| DATE OF TEST: 10/14/14 | | NAME OF | BUILDING | OR SITE: | GP | A-GWA M | ulti-Purpose | e Facility | | |
|-----------------------------------|----------------|---------------------|---------------------|------------------|---------------------|----------------|-----------------------------------|----------------|-----------------|------------------|
| ADDRESS OF BUILDING | OR SITE: | Rou | ite 15 Mang | ilao, GU | | | - | • | | |
| TYPE OF TEST: | X | Regulation | 14 X | FD Witne | ess, if any : | FD | assignme | nt | | |
| | ell Powell | | con | npany Con | - solidated Fi | ire Protecti | on, LLC .Ce | rt. of Fitnes | s # see nam | <u></u> |
| FIRE PUMP INFORMAT | TION | | | . , | | | · - | | | |
| FIRE PUMP NUMBER (US | E SEPARA | TE FORM F | OR EACH F | FIRE PUMP |): 1 | PU | MP S/N: 13 | -068092-01 | -01/OK5880 |) |
| MANUFACTURER OF FIR | E PUMP: | AC Fire Pu | ımp System | S | | | | | | |
| RATING OF FIRE PUN | /IP: 500 | GPM at | 80 | PSI (No | te: If pressu | re is given i | n feet, conve | ert to PSI by | / multiplying | by 0.4341) |
| TYPE OF DRIVER : Electr | ic: X | Diesel | | _ | | | | | | |
| A. If electrically-driven, do | oes a generat | - or supply star | ndby/emerger | ncy power? \ | YES X | NO | | | | |
| If yes, how many gal | | | | | _ | our supply for | the generato | or operating a | t full capacity | is required) |
| B. If diesel driven, how ma | any gallons o | f diesel fuel is | available? | (an | —— 8-hour supply | is required; t | he horsepowe | er of the engi | ne is equal in | number |
| of gallons required for | an 8-hour sur | oply) | | | | | | | | |
| PRESSURE RELIEF | VALVE SET | TING, if app | olicable N | /A PSI | | | | | | |
| CONTROLLER: | | | | | | | | | | |
| AUTO START SETTING | 60 | PSI; AU | TO STOP S | SETTING: | Manual | PSI | | | | |
| OVERRUN TIME SETTING | G, if applicat | ole: N/A | minu | ites; MANU | JFACTUREF | R OF CONT | ROLLER: | Eaton | | |
| JOCKEY PUMP CO | NTROLLER | : AUTO STA | ART SETT <u>I</u> I | NG: 70 | PSI; Al | JTO STOP | SETTING: | 80 | PSI | |
| WATER SUPPLY INFORM | ATION: | | | | | | | | _ | |
| CAPACITY OF ON-SITE TA | ANK, if appl | icable: | 60,000 | gallons; | LOCATION | OF TANK: | Next to F | ire Pump Ro | oom | |
| IF SUPPLIED DIRECTLY E | | | | | ximum: | N/A | PSI; | Minimum: | N/A P | SI |
| PERFORMANCE TEST | | | | | | | | | | |
| 1. AUTOMATIC ST prior to any othe | | | | | | | | | most remot | |
| | | - | | | | | | Г | op w/ wet | |
| NUMBER OF | | | RESULTS S | | | RESULIS | JNSATISFA | CTORY [| | |
| 2. MANUAL START(| . , | | NUMBER O | _ | 6 | | | | | |
| RESULTS SATISI | | | JLTS UNSA | | | | | | | |
| 3. FLOW TEST USIN | NG TEST O | UTLETS: If | electric drive | er, was test | on normal p | ower | standby p | ower | | |
| | Req'd | # of test | Nozzle | Req'd | Suction | Discharg | *Second | RPM's if | Net Pump | Previous |
| | Flow (GPM) | outlets | Orifice size | pitot reading | pressure (PSIG) | e pressure | pressure gauge* | available | pressure | test pressure |
| 0% of rated capacity | 0 | Flow Meter | N/A | N/A | 0 | 98 | N/A | 3564 | 98 | N/A |
| 50% of rated capacity | 250 | Flow Meter | N/A | N/A | 0 | 92 | N/A | 3662 | 92 | N/A |
| 100% of rated capacity | 500 | Flow Meter | N/A | N/A | 0 | 85 | N/A | 3660 | 85 | N/A |
| 150% of rated capacity | 750 | Flow Meter | N/A | N/A | 0 | 65 | N/A | 3554 | 65 | N/A |
| % of rated capacity | | | | | | | | | | |
| % of rated capacity | | | | | | | | | | |

Falcon Fire Protection, LLC

| * SECOND PRESSURE GAUGE LOCATED , The |
|--|
| second pressure gauge is to be located in the fire pump room in the same pressure zone as the pump being tested, but as remote as practical from fire pump discharge and flow turbulence (such as at the controller). Caution: Beware of trapped pressure! |
| ACCEPTANCE TEST: DOES THE FIRE PUMP EQUAL OR EXCEED THE CERTIFIED CURVE AT ALL POINTS? YES X NO |
| AT 150% OF RATED CAPACITY, IS NET PUMP PRESSURE AT LEAST 65% OF RATED PRESSURE? YES X NO REG. 4 ONLY: IF PREVIOUS PUMP TESTS RESULTS ARE AVAILABLE, IS THE NET PUMP PRESSURE |
| TES NO |
| IF NOT, SPECIFY: N/A New Pump |
| |
| |
| IS FIRE PUMP STATUS INFORMATION CORRECTLY INDICATED IN THE FIRE CONTROL ROOM, if applicable? YES X NO IF NOT, SPECIFY: |
| |
| |
| |
| OVERALL EVALUATION: IS THE FIRE PUMP IN PROPER OPERATING CONDITION? YES X NO |
| IF NOT, SPECIFY: |
| |
| |
| COMMENTS: |
| COMMENTS. |
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| \sim |
| SIGNATURE OF FD WITNESS, |
| SIGNATURE OF TESTER if any |

Attachment E: Fire Suppression 2D





Application Date

BUILDING PERMITS & INSPECTION SECTION

| PORT | ANT: Applicant must complete | e all items in section | ns I, II, III, IV | | Permit | Number: BE | | 6,19 | |
|-------------------------------|---|--|--|--------------------------|--|---|---------------------------------------|---|--|
| LOC | CATION OF BUILDING | | | | | | | | |
| | R+ 15 | Many | lan | | | | | | PF |
| Loca | (No) | - January | (Street) | | | | Zon | ning District | |
| Betv | ween | (Cross Street) Lot # | 2612 | 1 | and | | (Cross S | treet) | |
| Sub | division | · · · · · · · · · · · · · · · · · · · | 54/2- | K | Z Bloo | k | Lot | Size | |
| | PE AND COST OF BUILDING | | Group Occupancy | | | Repe of Construction | | Co. | Foundation |
| | New Building | Retaining Wall | 187 | П | Repair | | | | |
| _ | Foundation Only | Other | | _ | Demolished | | | | |
| _ | Shell Only | Add Add | | | Reconstructed | | Diia- | at Duitales | |
| _ | Fence Wail | Alter | | | Relocated | , | Dimension | or building | |
| | | | | | | | _ | _ | |
| _ | Ownership | | | | B. F. (E. d. o.) Ou | | | | |
| | Private (individual, corporation, no | on-profit institution. etc | .) | | | ate, or Local Governme | | | |
| C. | COST | | | | | n detail proposed use Iding at hospital, eler | | | |
| | Cost of Improvements | | | parochia | al school, parking g | arage for department | store, ren | tal office buil | ding, office building |
| | electrical | * * * - | | at indust | . 11 | | y changed, | enter propose | 5G GSB. |
| | plumbing | 5 (5) 5 - | | | | propose | Fac | Airy | |
| | heating, air conditioning | | | | FIRE | Supress | ion | Syste | M |
| | other (elevator, etc.) | | | | 1 | | | 1 | |
| | FM-200 | | 20.00 | - | | | | | |
| TOT | AL COST OF IMPROVEMENT | s 138 | 200.00 | | | | | | |
| D. | PROPOSED USE - (For "Wr | recking" most rece | ent use) | | | | | | |
| Res | idential | | | | Non-Residential | | | Office, bank, p | orofessional |
| _ | One family | | | | Amusement, R | ecreational | | Public utility | |
| | Two or more families | ☐ Garage | | | Church, other | religious | _ | | , other educationa |
| | F 4 N. (11 %) | | | | | | | | |
| | Enter No. of Units → | _ Carport | | | ☐ Industrial | | | Stores, merca | ntile |
| | Transient hotel, motel, | _ | sify) | | Industrial Parking garage | 3 | | | |
| | Transient hotel, motel, or dormitory | _ | sify) | _ | | | | Tanks, towers | |
| | Transient hotel, motel, | _ | sify) | | Parking garage | , repair garage | | Tanks, towers Other (specify | |
| | Transient hotel, motel, or dormitory Enter No. of Units → | Other (spec | | for new bu | Parking garage Service station Hospital, instit | , repair garage | 0 0 0 | Tanks, towers Other (specify | of orfose |
| SE | Transient hotel, motel, or dormitory Enter No. of Units → LECTED CHARACTERISTIC | Other (spec | | for new bu | Parking garage Service station Hospital, institutions p to IV. | , repair garage utional s, complete Parts E ~ K | C, for wreck | Tanks, towers Other (specify MULT) ing, complete | only Part I, for all |
| SE | Transient hotel, motel, or dormitory Enter No. of Units → | Other (spec | | | Parking garage Service station Hospital, institutions and additions | , repair garage utional s, complete Parts E ~ K | C, for wreck | Tanks, towers Other (specify | only Part I, for all |
| SE E. | Transient hotel, motel, or dormitory Enter No. of Units → LECTED CHARACTERISTIC | Other (spec | ±. | | Parking garage Service station Hospital, institutions p to IV. | , repair garage utional s, complete Parts E ~ K | G. | Tanks, towers Other (specify MULY) ing, complete Type of Me | only Part I, for all |
| SE E. | Transient hotel, motel, or dormitory Enter No. of Units → LECTED CHARACTERISTIC Principal Type of Frame | Other (spec | ±. | others skij | Parking garage Service station Hospital, institutionings and additioning to IV. F. Type of Sew | , repair garage utional s, complete Parts E - K rage Disposal | G. Yes | Tanks, towers Other (specify Mul F) Ing, complete Type of Me No Centr | only Part I, for all |
| SE E. | Transient hotel, motel, or dormitory Enter No. of Units → LECTED CHARACTERISTIC Principal Type of Frame Masonry (wall bearing) | Other (spec | concrete | others skij | Parking garage Service station Hospital, institutions and additions p to IV. F. Type of Sew | , repair garage utional s, complete Parts E - K rage Disposal | G. Yes | Tanks, towers Other (specify Mul F) ing, complete Type of Me No Centr | only Part I, for all chanical |
| SE E. | Transient hotel, motel, or dormitory Enter No. of Units → LECTED CHARACTERISTIC Principal Type of Frame Masonry (wall bearing) Wood frame Structural steel | Other (spec | concrete | others skij | Parking garage Service station Hospital, institutions and additions p to IV. F. Type of Sew | , repair garage utional s, complete Parts E - K rage Disposal | G. Yes | Tanks, towers Other (specify Mulf) ing, complete Type of Me No Centr | only Part I, for all chanical |
| SE E. D. H. | Transient hotel, motel, or dormitory Enter No. of Units → LECTED CHARACTERISTIC Principal Type of Frame Masonry (wall bearing) Wood frame Structural steel Type of Water Supply | Other (spec | concrete | others skip | Parking garage Service station Hospital, institution to IV. F. Type of Sew Private (septic | , repair garage utional s, complete Parts E - K rage Disposal tank, etc.) | G. G. Yes | Tanks, towers Other (specify Multi ing, complete Type of Me No Centr | only Part I, for all chanical ral Air Conditioning there be an elevator |
| SE E. Q. O O H. Q. | Transient hotel, motel, or dormitory Enter No. of Units → LECTED CHARACTERISTIC Principal Type of Frame Masonry (wall bearing) Wood frame Structural steel Type of Water Supply Public Supply | CS OF BUILDING Reinforced Other (spec | concrete cify) e feet of floor area, used on | others skip | Parking garage Service station Hospital, institution Hospital institution Hospital institution Hospital institution Hospital institution Hospital institution F. Type of Sev Public Sewer Private (septic | , repair garage utional s, complete Parts E - K rage Disposal tank, etc.) | G. Yes K. | Tanks, towers Other (specify Multi ing, complete Type of Me No Centr | only Part I, for all chanical rat Air Conditioning there be an elevated is Buildings Only |
| SE E. P. H. F. | Transient hotel, motel, or dormitory Enter No. of Units → LECTED CHARACTERISTIC Principal Type of Frame Masonry (wall bearing) Wood frame Structural steel Type of Water Supply Public Supply Private (well, cistern) | CS OF BUILDING Reinforced Other (spec | concrete cify) e feet of floor area, used on | J. | Parking garage Service station Hospital, institution to IV. F. Type of Sew Private (septic | , repair garage utional s, complete Parts E - K rage Disposal tank, etc.) | G. G. Yes Yes K. Nun | Tanks, towers Other (specify Multi) ing, complete Type of Me No Centr No Will t Residentia | only Part I, for all chanical rat Air Conditioning there be an elevate is Buildings Only |
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| SE E. | Transient hotel, motel, or dormitory Enter No. of Units → LECTED CHARACTERISTIC Principal Type of Frame Masonry (wall bearing) Wood frame Structural steel Type of Water Supply Public Supply Private (well, cistern) Dimensions Number of storles | CS OF BUILDING Reinforced Other (special floors, be extended dimensions) Total square all floors, be extended dimensions dimension | concrete cify) e feet of floor area, used on ensions rea, sq. ft. A UTWAY | J. En | Parking garage Service station Hospital, institution ididings and additions to to IV. F. Type of Sew Public Sewer Private (septic Number of Off- Parking Spaces addoors | , repair garage utional 5. complete Parts E - K //age Disposal tank, etc.) | C, for wreck G. Yes Yes K. Nun | Tanks, towers Other (specify M U F/ ing, complete Type of Me No Centr No Will t Residentia aber of bedroomber of forcoms Pai | only Part I, for all chanical ral Air Conditioning here be an elevate I Buildings Only ms |
| SE E. | Transient hotel, motel, or dormitory Enter No. of Units → LECTED CHARACTERISTIC Principal Type of Frame Masonry (wall bearing) Wood frame Structural steel Type of Water Supply Public Supply Private (well, cistern) Dimensions Number of storles | Other (spec | concrete cify/ e feet of floor area, used on ensions rea, sq. ft. A UTWOY Mailting | J. En Ou | Parking garage Service station Hospital, institution ididings and additions to to IV. F. Type of Sev Public Sewer Private (septic Number of Off- Parking Spaces addoors Number, street, cit | , repair garage utional 5. complete Parts E - K //age Disposal tank, etc.) | C, for wreck G. Yes Yes K. Nun | Tanks, towers Other (specify Multi) ing, complete Type of Me No Centr No Will t Residentia nber of bedrooms | only Part I, for all chanical ral Air Conditioning here be an elevate I Buildings Only |
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Current Address





BUILDING PERMITS & INSPECTION SECTION APPLICATION FOR PERMIT & PLAN REVIEW

Application Number

Permit Numberz

BB000949

| Plans Review Required | Data Plans Chart d | Date Plane Annequed | Comments |
|--|--------------------|-----------------------|--|
| Architectural | Date Plans Started | Date Plans Approved | Comments |
| Accintectural | | _ | |
| Structural | | | WHAT ARE A SECOND ASSESSMENT OF THE SECOND ASS |
| | | | |
| Mechanical/Plumbing | | | - 08 10 31 |
| Flood Control | + | | |
| Electrical | | | |
| HPCC | | | |
| Hydraulics/Civil | | | |
| Highway Encroachment | | | 47 |
| Rights of Way | | | |
| Traffic Engineering | | | |
| VI. ZONING PLAN EXA | MINATION RECORD | TO BE DONE BY DLM | |
| District Ma | monlia | Public Fac | 1. T (PF) GPA/GWA |
| Use Fire | Susovas | an Grote | 7 (1) |
| Front Yard | | 1 | |
| Side Yard | | Side Yard | |
| Rear Yard | | 1.0 | |
| Ownership Of Property: If not owner, is there a | | on to the property? | |
| Did this project receive | TLUC approval? Wh | et are the conditions | |
| VII. COMMENTS BY O | THER AGENCIES (R | oute as indicated) | |
| Agency | Date | Signature | Does your Agency recommend approvait |
| | 12/ | / // | If so, seal your response |
| Land Management, Zone | 12/62/ | 13 1 | A borns |
| Contractor's License Boa | rd 12/02/1 | 3 | THE VECTO G/30/5 |
| Public Health | | | |
| E.P.A. | | | |
| Public Utility Agency | | | |
| Guam Power Authority | | 1 | |
| Fire Prevention Bureau | 1/13/201 | 11,50 | APPROVED LTZZ |
| PEALS BOARD | v 12/02/201 | 3 Jun | - Valid Rigistration |
| Parks & Rec. | | | 3 |
| | | | ions hereon and according to approved plans and specif Building Code and Government Code of Guam. |
| Building Permit Number _ | | A | pproved Valuation: |
| | | | |
| Building Permit Issued | | 19 | Plan Checking fee Rec'd |

| Con the second | FOICON FIRE STORM | MAIN TOTAL T | | 5 |
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| | 20400, LEGAD / ARROHATOR Prop. Prop. Prop. Prop. Prop. | | TYPICAL SEQUENCE OF OPERATION USING VIKING VFR-400 RELEASE CONITROL PANEL; 1. ACTIVATION OF RE RIST DECEDE, WHIN HE STED SHE. 2. ACTIVATION OF RE RIST DECEDE, WHIN HE STED SHE. 1. ACTIVATION OF A SCHOOL DECEDE ON HE STED AND DECEDED IN SEC THE WADDON ARCH. 2. ACTIVATION OF A SCHOOL DECEDE ON HE STED AND SHE OF THE ON HE CHANGE ON THE STED AND SHE OF THE OWN THE CONSTRUCTION OF A SCHOOL DECEDED ON HE STED AND SHE OF THE OWN THE RELEASE OF THE WADDON ARCH. 3. ATTENTION AND AND STED AND SHE ALL OF A STED WIN A CONTROL ON HE RELEASE OF DECEDED ON HE RELEASE OF DECEDER ON HE RELEASE OF DECEDER ON HE RELEASE OF DECEDED ON HE RELEASE OF DECEDER ON HE CHANGE OF THE WADDON HE RELEASE OF DECEDER ON HE RELEASE OF DECEDER OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RELEASE OF DECEDER OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RESTORED ON HE ARROWS RADDON SET RETERDOR OF HE RESTORED ON HE ARROWS RADDON SET RETERD | |
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 $_{\odot}$ SHET CONTOUTS:
GEMER AL.
INSTALLATION/CONSTRUCTION
NOTES, SYMBOLS, LECENOS
AND ABBREW ALLIONS AND
SYSTEM SPECIFICATIONS All Hugers Out 1993 38 Hugers Out 1993 64-623/98-004 FIRE SUPPRESSION SHOP DRAWINGS HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION v cove 86922 356256 35626 COU MULTI-PURPOSE FACILITY
HAGATUA, GUAM FS-GPA - GWA SQNAJSI SANAIRAM MAUĐ 40 FIRE SYSTEM CONTROL PAREL - CLEAN AGENT FIRE SUPRESSION SYSTEM ASSOCUTION NATIONAL FIRE PROTECTION ASSOCIATION EMINGUISHING AGENT CONTAINER MAINTENANCE BY-PASS SMTCH DISCHARGE NOZ 2LE, 360" DISCHARGE NOZZLE, 180" EMERCENCY POWER OFF END OF LINE RESISTOR CLEAN AGENT PIPE SIZE (NOHES) Ô **4** 5 A SIGN THE CENTER OF THE CLEAN KENT IS GREETEN HAW AND SCHULD OF PRETRAININGS IS CHROLA SO THAT THE KENT FORSE NOT DESPOSE THROUGH IN 1915 OFFREEN THE CHROLATE OF THE CHROLATE OFFREEN THE PROPERTY OF THE CHRONIC SHAPE OF THE CHRONIC SHAPE OF THE CHROLATE OFFREEN THE CHROLATE OFFREE THE STATE OF SOUR DATE AND WHILE THE STATE OF THE STATE O A BRODE AN EMPORT THIS TO HELP AND A ME COSTID UP LEA LOTA/SANCE THE DARKES WITH FLORE LOWER THE PROPERTY HIS A VENT CALCULATIONS ME BUSED UPON FSSA PRO-01 SECOND ENTION, JANUARY 2010. VENT SZE BASED UPON AND INVOKUM POSITIVE PRESSURE TO 5 PSF. F. IF ADJOINING DUCTWORK. VENT CALCULATIONS WALL SURFACES CERTIFIC HWAC NI SC 12 apriller Occupants (Figure 1 account of Figure 1 account of Fig A ALL PRICINATORS MAST DE SOALOS DE NESTANO COMPROTOR.

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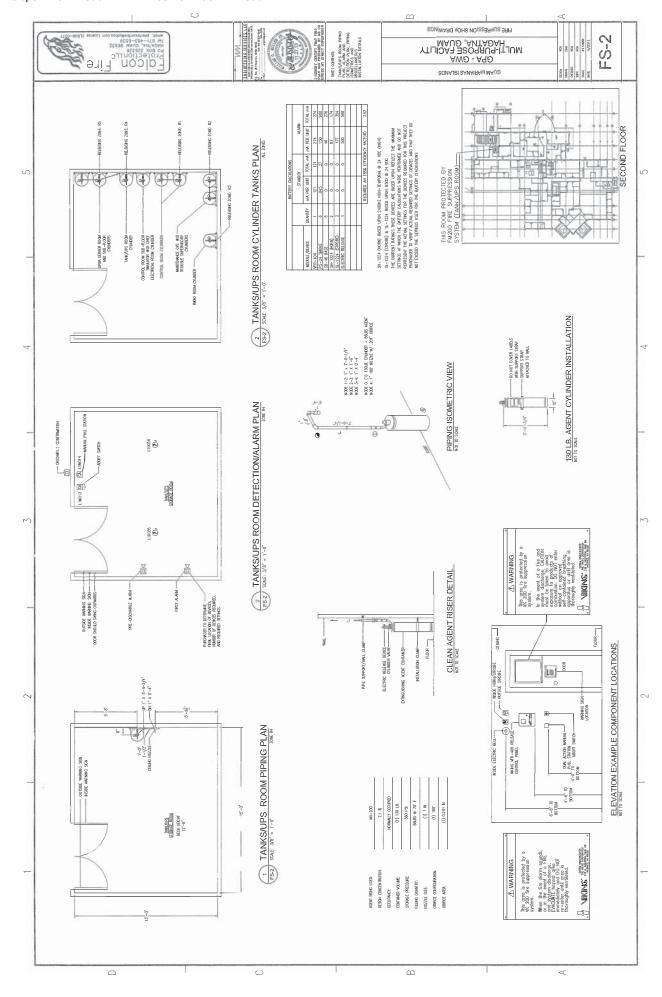
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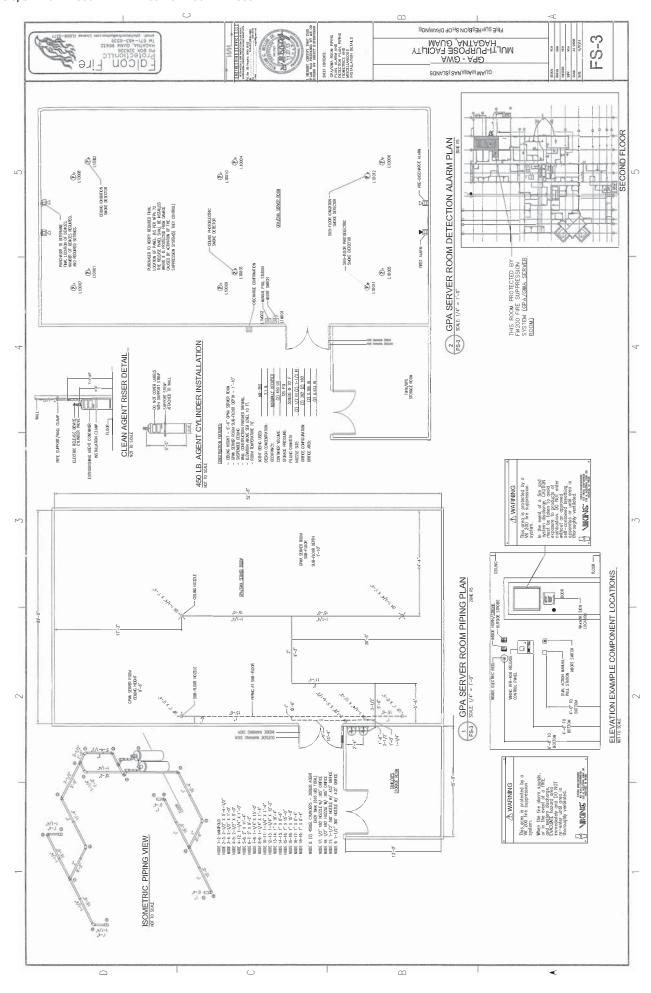
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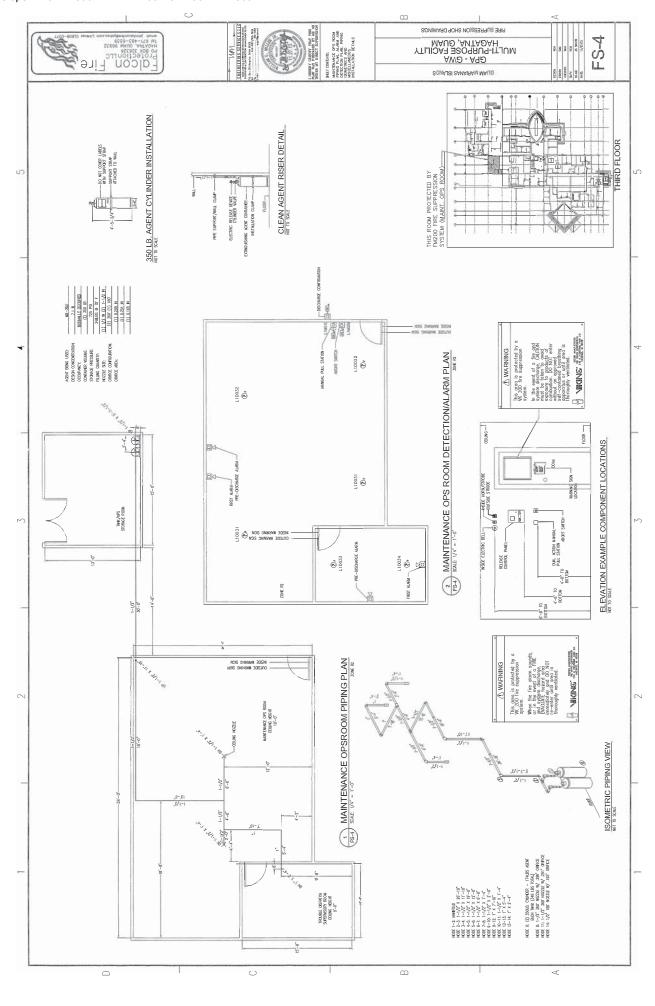
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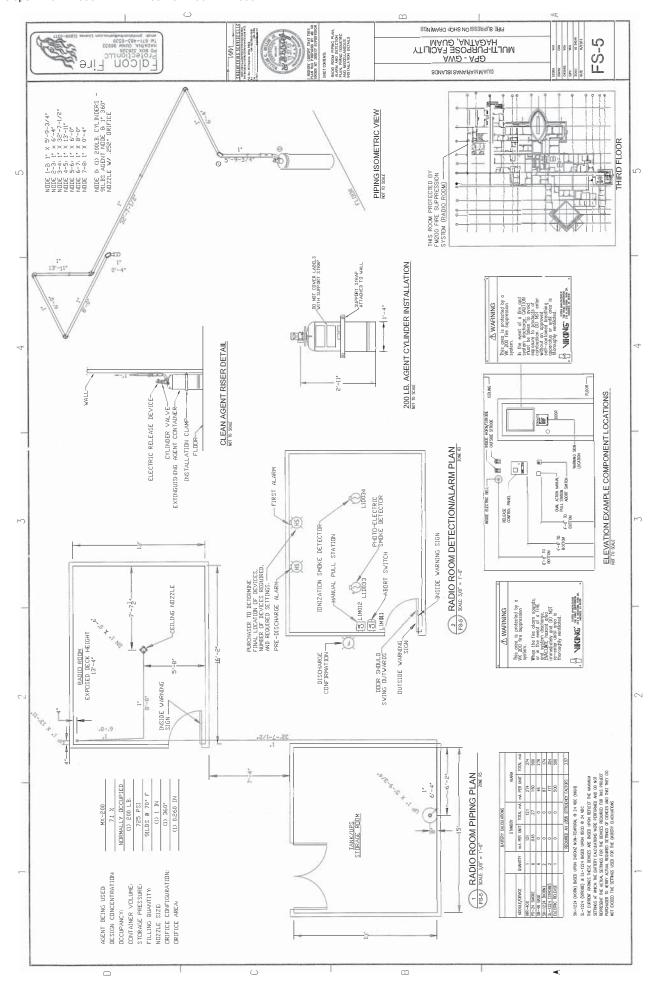
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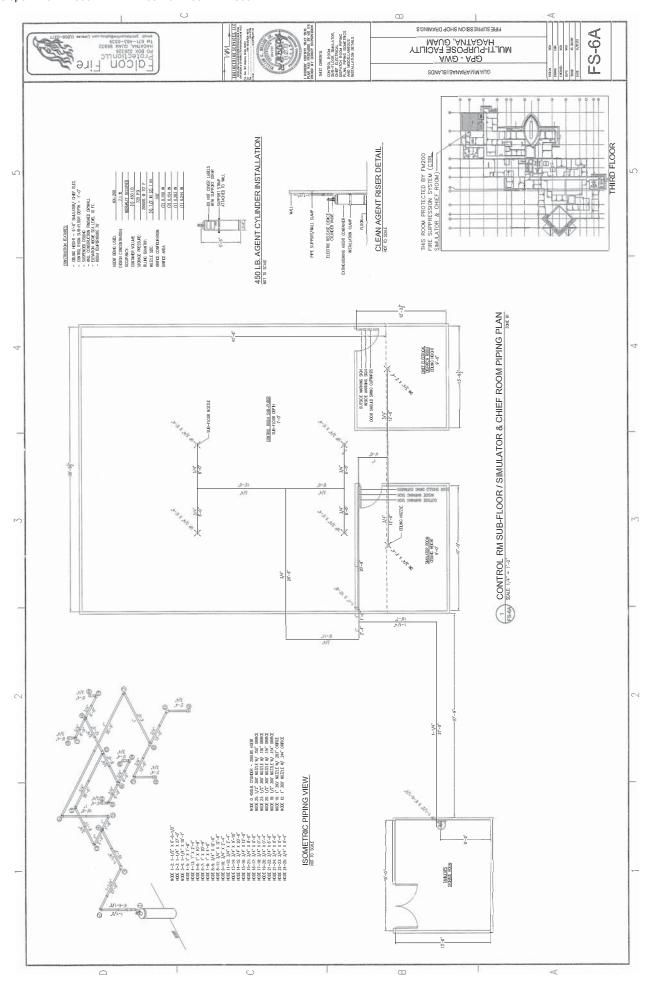
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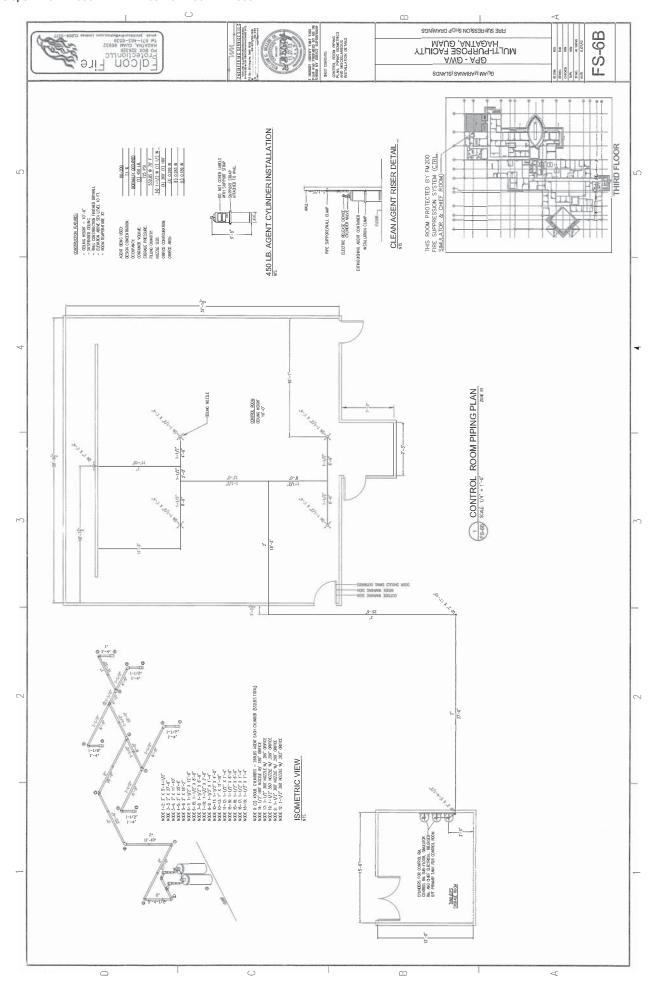


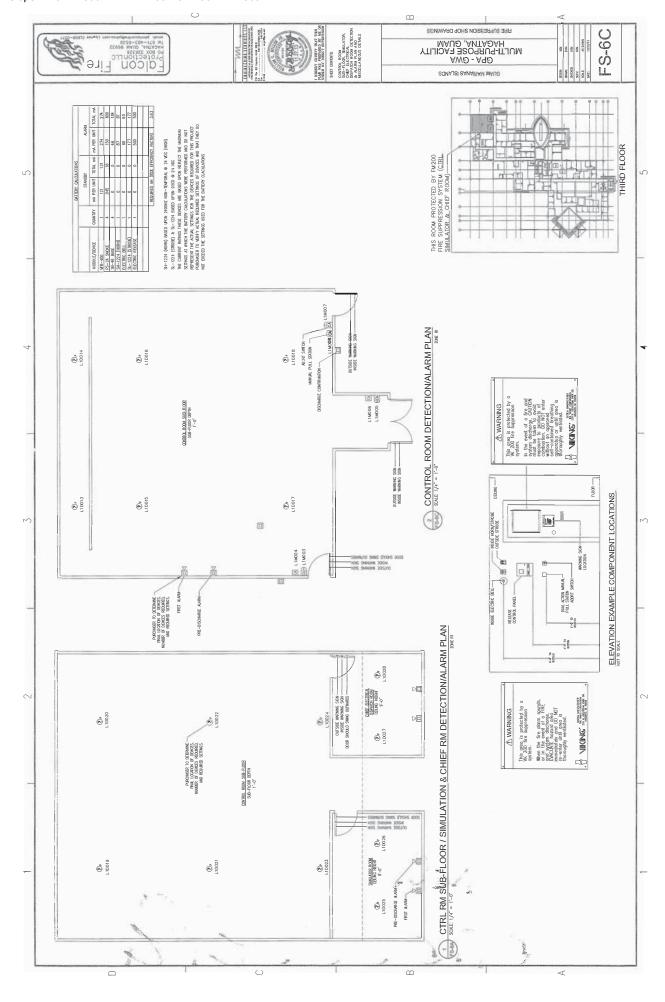












Attachment F: GPA GWA Gloria B



CERTIFICATE OF COMPLETION

| Name of Protected Property: | GPA / GWA Gloria B. Nelson Combined Utilities Facility | | | | | | |
|--|---|--|--|--|--|--|--|
| Mailing Address: | P.O. Box 2977 | | | | | | |
| | Agana, Guam 96932-2977 | | | | | | |
| Representative of Protected Property: | Jerald Guzman | | | | | | |
| Authority Having Jurisdiction: | GUAM FIRE DEPARTMENT (ONE STOP) | | | | | | |
| Address/Contact Number(s): | (671) 646-3102 | | | | | | |
| | X NFPA 72, Chapter 3-Local | | | | | | |
| II Alaim is transmitted to locati | If Alarm is transmitted to location(s) off premise, list where received: | | | | | | |
| N/A NFPA 72, Chapter 3 -E Quantity of voice/alarm channels: | N/A NFPA 72, Chapter 3 -Emergency Voice/Alarm Service Quantity of voice/alarm channels: N/A Single: N/A Multiple: N/A | | | | | | |
| N/A NFPA 72, Chapter 4 – A Indicate type of connection: | N/A NFPA 72, Chapter 4 –Auxiliary | | | | | | |
| Local energy: N/A | Shunt: N/A Parallel telephone: N/A | | | | | | |
| Location and telephone number | | | | | | | |
| zodation and telephone name | or recorpt or engineers | | | | | | |
| N/A NFPA 72, Chapter 4-Re | | | | | | | |
| Supervisory: N/A | | | | | | | |
| | N/A NFPA 72, Chapter 4-Proprietary | | | | | | |
| and telephone number of the o | If alarms are re-transmitted to public fire service communications center or others, indicate location and telephone number of the organization receiving alarm: | | | | | | |
| | N/A | | | | | | |
| Indicate how alarm is re-transr N/A | nitted: | | | | | | |
| N/A NFPA 72. Chapter 4-Co | N/A NFPA 72, Chapter 4-Central Station | | | | | | |
| The Prime Contractor: | | | | | | | |
| N/A | | | | | | | |
| Central Station Location: N/A | | | | | | | |
| • | Means of transmission of signals from the protected premise to the central station: | | | | | | |
| N/A Digital Alarm Con | | | | | | | |
| Means of transmission of alarr | N/A Digital Alarm Communicator N/A Two-Way Radio N/A Others Means of transmission of alarms to the public fire service communications center: Type(s) of System or Service: | | | | | | |
| •• • • | | | | | | | |
| 1. MANUAL DIALING 911 | | | | | | | |
| System | | | | | | | |
| Location: Mangilao, | Juam | | | | | | |

| | | Organization | Representative (Name/Number) | | |
|--|---|---|--|--|--|
| | Installer: | Existing System | Ob - 22 II M - b - I | | |
| | Supplier: | Phoenix Pacific (Guam), Inc. | Sharoll Mobel - 646-6461 Vince Castro - 646-6461 | | |
| | Location of Record (As | Phoenix Pacific (Guam), Inc. | VIIICE Castro — 646-6461 | | |
| | ` | , | | | |
| | Location of Owner's Ma | anuals: | | | |
| | Location of Test Repor Phoenix Pacific (Guam | | | | |
| • | A contract, dated 10/2 | , for test and inspection | n in accordance with NFPA standard(s) | | |
| | No.(s) /2 | dated <u>10/21/2021</u> , i | s in eπect. | | |
| 2. | Certification of System | | and for an are already many of facility and | | |
| Fill out after installation is complete and wiring checked for open, shorts, ground fau improper branching, but prior to conducting operational acceptance tests.) | | | | | |
| | | | FPA standards as listed below, and was | | |
| | Inspected by Existing | | includes the devices listed below and | | |
| | has been in service sin | | · | | |
| X NFPA 72, Chapters <u>1</u> 3 4 <u>5 6 7</u> (circle all that apply) | | | y) | | |
| - | | nal Electrical Code, Article 760 | | | |
| | X Manufacturer's | | | | |
| | Other (specify): | | | | |
| | | | | | |
| Sign | | stem | Date: October 21, 2021 | | |
| Orga | inization: | | | | |
| 3. | Certification of System | • | | | |
| | | nd functions of this system were tested | | | |
| | | | in accordance with the requirements of: | | |
| | X NFPA 72, Chapters 1 3 4 5 6 7 (circle all that apply) X NFPA 70, National Electrical Code, Article 760 | | | | |
| • | X Manufacturer's Instructions | | | | |
| • | Other specify: | 1 1 1 1 | | | |
| | | | | | |
| _ | | andez Tech Rep. NICET # 146107 | Date: October 21, 2021 | | |
| Orga | inization: Phoenix Pa | icific (Guam), Inc. | | | |
| 4. | Alarm Initiating Devices MANUAL | s and Circuits (Use blanks to indica | ate quantity of devices). | | |
| | a) 17 Manual Stations X Non-coded, Activating Transmitters Coded | | | | |
| | , <u>——</u> | n Manual Fire Alarm and Guard's T | | | |
| | AUTOMATIC | | | | |
| | Coverage 100% | Complete: 100% | Partial: N/A | | |
| | | · 0 1 70 | | | |
| | a) 70 Smoke Dete | | noto | | |
| | | ors <u>-0-</u> Ion <u>5</u> Pi | noto | | |

| | d) | -0- | Sprinkler Water | er Flow Switch | es | Non-coded | , activating | Transmitters | Coded |
|----|------|--------|------------------|----------------|-----------|--------------|----------------|----------------------|--------------|
| | e) | | Other (list): | Water Flov | v/Tampei | Switch | | | |
| | f) | | Other (list): | | | | | | |
| 5. | Sup | erviso | ry Signal Initia | ating Device | s and Cir | cuits (Use l | olanks to in | dicate quantity of d | levices.) |
| | GU/ | ARD'S | TOUR | Ü | | ` | | | , |
| | a) | -0- | Coded Statio | ons | | | | | |
| | • | | Non-Coded | Stations | | | | | |
| | b) | -0- | Activating | | | | Transm | itters | |
| | c) | -0- | Compulsory | Guard Tour S | ystem Co | mprised of | <u> </u> | Transmitter | Stations and |
| | , | | Intermediate | | • | • | | | |
| | SPR | RINKL | ER SYSTEM | **NOT PRO | VIDED B | Y PHOENI | X PACIFIC | (GUAM), INC.** | |
| | | | Coded Valve | | | | | | |
| | Valv | e Supe | rvisory Switch | nes Activating | I | | Transmitt | ers. | |
| | | • | Building Ten | _ | | | - | | |
| | | | Site Water T | | | | | | |
| | | | Site Water S | | | | | | |
| | , | | FIRE PUMI | | | | | | |
| | e) | -0- | Fire Pump F | ower | | | | | |
| | f) | | Fire Pump F | | | | | | |
| | g) | | Phase Reve | | | | | | |
| | | CTRIC | CA-DRIVEN I | FIRE PUMP: | | | | | |
| | h) | -0- | Selector in A | Auto Position | | | | | |
| | i) | | Engine or Co | | | | | | |
| | j) | | Fire Pump F | | | | | | |
| | • | | · | Ü | | | | | |
| | | | RIVEN GEN | | | | | | |
| | • | | Selector In A | | | | | | |
| | l) | | Control Pan | | | | | | |
| | , | | Transfer Sw | | | | | | |
| | n) | | Engine Runi | • | :6 | | | | |
| _ | | | pervisory Fu | . , , | | | | | |
| 6. | | | fication Appli | | | | | | |
| | | | f indicating a | ppliance circ | uits conn | ected to the | 9 | | |
| | syst | | | | | | | -0- | |
| | | | d quantities | | _ | | | 0 | |
| | a) | -0- | _ Bells | -0- | Inch | 0 | - | Speakers | |
| | b) | -0- | _ Horns | | | | | | |
| | c) | 0- | _ Chimes | | | | | | |
| | d) | -0- | _ Other: | | _ | 45/250 114 | | | |
| | e) | 142 | _ Visual Sig | | · · · · · | | all Mount | Horn/Strobe | |
| | | 30 | _ with audil | | withou | t audible | | | |
| _ | f) | 1- | _ Local Anr | | | | | | |
| 7. | _ | _ | Line Circuits: | | . | | | | |
| | | • | • ' | | | , | ling line cire | cuits connected to | system: |
| | Qua | ntity: | N/A | ١ | Style: _ | N/A | | | |

| 8. | System Power Supplies: Inside Electrical Room | | | |
|------|---|--|--|--|
| | of signaling line circuits connected to system: | | | |
| | a) | | oltage: 110VAC Current Rating: | |
| | • | Over-current Protection: Type: FUS | | |
| | b) | Secondary (Standby): | | |
| | - | 02 Storage battery: Amp-Hour F | Rating: 18 AH | |
| | | Calculated capacity to drive system, in hou | rs: X 24 60 | |
| | | -0- Engine-driven generator dedicated | to fire alarm system | |
| | | Location of fuel storage: | • | |
| | c) | Emergency or Standby System used as ba | ckup to Primary Power Supply, instead of using a | |
| | • | Secondary Power Supply: | | |
| | | 0- Emergency System described in NF | PA 70, Article 700 | |
| | | 0- Legally Required Standby System of | lescribed in NFPA 70, Article 701 | |
| | | -0- Optional Standby System described | I in NFPA 70, Article 702, which also meets the | |
| | | Performance requirements of Article | e 700 or 701. | |
| 0 | Cva | tom Coffware | | |
| 9. | - | tem Software | IO500 | |
| | a) | Operation System Software Revision Level(s): Application Software Revision Level(s): | REV. 4.11 | |
| | p) | Revision Completed by (Name): | EDWARDS | |
| | c) | Revision Completed by (Firm): | EDWARDS | |
| | | Revision Completed by (Firm). | EDWARDS | |
| ** | COI | MMENTS: | | |
| | | | | |
| | | | | |
| Ву: | | Phoenix Pacific (Guam), Inc. | October 21, 2021 | |
| • | | Central Station or Alarm Service Company | | |
| | | | | |
| | | 1/1/ | 7 | |
| | _ | | Load Cyatam Taabuisian | |
| | \ | /ince Castro. NICET # 124020 | Lead System Technician | |
| | | Name | Title | |
| | | | | |
| | | | | |
| Und | er co | mnletion of the system(s) satisfactory test(s) | witnessed (if required by the authority having | |
| | dictio | | withoused in required by the duthonty having | |
| jano | aiotio | · · · · | | |
| | | | | |
| Ву: | | | | |
| - | F | Representative of the authority having jurisdic | ction Date | |
| | | | | |
| | | Name | Title | |
| | | Name | LITIA | |