



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

**APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0635

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol

Manufacturer's Technical Representative: Felix Turcotte

Mailing Address: 4100 Desserte Sud, (A-440 Ouest), Laval, QC H7T0H3

Telephone: (514) 334-2503 Email: felix@tornatech.com

Product Information

Product Name: Varies, see Attachment

Product Model Number(s): Varies, see Attachment

Product Category: Electrical Control Panels on Life Safety/Critical Branch

Product Sub-Category: Fire Protection & Security Panels

General Description: Electric and diesel fire pump controllers with various subcomponents with carbon or stainless steel enclosures.

Mounting Description: Several - See Certified Product Tables

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: TRU Compliance, by Structural Integrity Associates

Contact Person: Daniel Zentner

Mailing Address: 233 SW Wilson Ave, Suite 101, Bend, OR 97702

Telephone: (541) 292-5839 Email: dzentner@structint.com

Title: Program Manager



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.

Name: LACHEZAR HANDZHIYSKI California License Number: S6515

Mailing Address: 5215 Hellyer Avenue, Suite 210, San Jose, CA 95138

Telephone: (669) 437-0200 Email: Lhandzhiyski@StructInt.com

Certification Method

- GR-63-Core
- ICC-ES AC156
- IEEE 344
- IEEE 693
- NEBS 3
- Other (Please Specify): _____

Testing Laboratory

Company Name: CLARK TESTING LABORATORY, INC.

Contact Person: Devon Lohr

Mailing Address: 1801 Route 51, Jefferson Hills PA 15025

Telephone: (412) 387-1001 Email: dlohr@clarktesting.com

Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)

Contact Person: Jeremy Lange

Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513

Telephone: (972) 247-9657 Email: jeremy@etldallas.com





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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.50 (SDS = 2.0 at z/h=1); 1.44 (SDS = 3.2 at z/h=0)

SDS (Design spectral response acceleration at short period, g) = 2.0 (z/h = 1.0); 3.2 (z/h = 0.0)

a_p (Amplification factor) = 2.5

R_p (Response modification factor) = 6.0

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

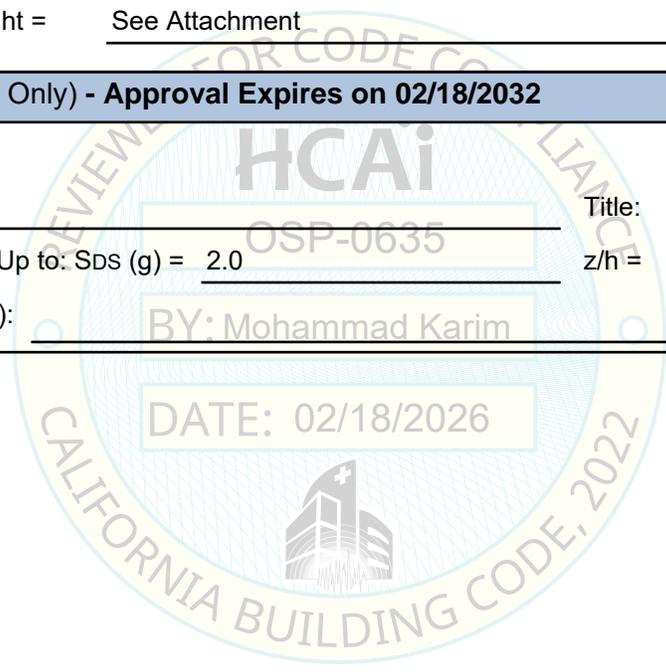
HCAI Approval (For Office Use Only) - Approval Expires on 02/18/2032

Date: 2/18/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 2.0 z/h = 1

Condition of Approval (if applicable): BY: Mohammad Karim



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2100139-CR-002-R3



| | |
|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | TABLE 1 |
| Model Line: FTAXXX | |

Certified Product Construction Summary:
Painted carbon steel & stainless steel enclosure.

Certified Options Summary:
Anti-condensation heater, thermostat and humidistat. Field programmable I/O board

Mounting Configuration:
Base/wall mounted - rigid
Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022 **Seismic Certification Limits:** $S_{DS} = 2.0g$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 3.2g$ $z/h=0.0$

| Model Line | Model ¹ | Dimensions (in) | | | Weight (lbs.) | Notes | UUT |
|--|--------------------|-----------------|-------|--------|---------------|-------------------|---------|
| | | Depth | Width | Height | | | |
| Across-the-line Starter | FTA1000 | 12.0 | 20.0 | 48.0 | 170 | | Interp. |
| | | 14.0 | 24.0 | 54.0 | 230 | | Interp. |
| | | 18.0 | 30.0 | 68.0 | 400 | | Interp. |
| | | 18.0 | 36.0 | 68.0 | 450 | | Interp. |
| | | 20.0 | 40.0 | 75.0 | 600 | | Interp. |
| Across-the-line Starter w/ Automatic Power Transfer Switch | FTA1000(-TSA) | 12.0 | 36.0 | 48.0 | 280 | UUT11: 229 lbs. | 11 |
| | | 14.0 | 44.0 | 54.0 | 390 | | Interp. |
| | | 18.0 | 54.0 | 68.0 | 850 | | Interp. |
| | | 18.0 | 72.0 | 68.0 | 1,000 | UUT12: 955 lbs. | 12 |
| | | 20.0 | 80.0 | 75.0 | 1,150 | UUT19: 1,130 lbs. | 19 |
| Partwinding Starter | FTA1250 | 12.0 | 20.0 | 48.0 | 170 | | Interp. |
| | | 14.0 | 24.0 | 54.0 | 230 | | Interp. |
| | | 18.0 | 30.0 | 68.0 | 400 | | Interp. |
| | | 18.0 | 36.0 | 68.0 | 450 | | Interp. |
| | | 20.0 | 40.0 | 75.0 | 600 | | Interp. |
| Partwinding Starter w/ Automatic Power Transfer Switch | FTA1250(-TSA) | 12.0 | 36.0 | 48.0 | 280 | | Interp. |
| | | 14.0 | 44.0 | 54.0 | 390 | | Interp. |
| | | 18.0 | 54.0 | 68.0 | 850 | | Interp. |
| | | 18.0 | 60.0 | 68.0 | 1,000 | | Interp. |
| | | 20.0 | 80.0 | 75.0 | 1,200 | | Interp. |
| | | | | | | | |
| | | | | | | | |

Notes:
1. The model numbers listed in this table represent specific sets of subcomponents. Test units 1-4, 9, 11-19 cover the range of materials, enclosures, and subcomponents for all models. Models that do not list a UUT are interpolated between the test units.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2100139-CR-002-R3



| | |
|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | TABLE 1 |
| Model Line: FTAXXX | |

Certified Product Construction Summary:
Painted carbon steel & stainless steel enclosure.

Certified Options Summary:
Anti-condensation heater, thermostat and humidistat. Field programmable I/O board

Mounting Configuration:
Base/wall mounted - rigid
Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022 **Seismic Certification Limits:** $S_{DS} = 2.0g$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 3.2g$ $z/h=0.0$

| Model Line | Model ¹ | Dimensions (in) | | | Weight (lbs.) | Notes | UUT |
|---|--------------------|-----------------|-------|--------|---------------|----------------|---------|
| | | Depth | Width | Height | | | |
| Wye-Delta Closed Starter | FTA1350 | 12.0 | 26.0 | 48.0 | 275 | | Interp. |
| | | 14.0 | 30.0 | 54.0 | 350 | | Interp. |
| | | 18.0 | 36.0 | 68.0 | 510 | UUT3: 510 lbs. | 3 |
| | | 18.0 | 60.0 | 68.0 | 600 | | Interp. |
| | | 20.0 | 65.0 | 75.0 | 750 | | Interp. |
| Wye-Delta Closed Starter w/ Automatic Power Transfer Switch | FTA1350(-TSA) | 12.0 | 42.0 | 48.0 | 315 | | Interp. |
| | | 14.0 | 50.0 | 54.0 | 440 | | Interp. |
| | | 18.0 | 60.0 | 68.0 | 850 | | Interp. |
| | | 18.0 | 72.0 | 68.0 | 1,150 | | Interp. |
| | | 20.0 | 80.0 | 75.0 | 1,300 | | Interp. |
| Wye-Delta Open Starter | FTA1300 | 12.0 | 20.0 | 48.0 | 200 | | Interp. |
| | | 14.0 | 24.0 | 54.0 | 300 | | Interp. |
| | | 18.0 | 30.0 | 68.0 | 500 | | Interp. |
| | | 20.0 | 40.0 | 75.0 | 650 | | Interp. |
| Wye-Delta Open Starter w/ Automatic Power Transfer Switch | FTA1300(-TSA) | 12.0 | 36.0 | 48.0 | 300 | | Interp. |
| | | 14.0 | 44.0 | 54.0 | 490 | | Interp. |
| | | 18.0 | 54.0 | 68.0 | 990 | | Interp. |
| | | 18.0 | 60.0 | 68.0 | 1,100 | | Interp. |
| | | 20.0 | 80.0 | 75.0 | 1,200 | | Interp. |
| | | | | | | | |
| | | | | | | | |

Notes:
1. The model numbers listed in this table represent specific sets of subcomponents. Test units 1-4, 9, 11-19 cover the range of materials, enclosures, and subcomponents for all models. Models that do not list a UUT are interpolated between the test units.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2100139-CR-002-R3



| | |
|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | TABLE 1 |
| Model Line: FTAXXX | |

Certified Product Construction Summary:
Painted carbon steel & stainless steel enclosure.

Certified Options Summary:
Anti-condensation heater, thermostat and humidistat. Field programmable I/O board

Mounting Configuration:
Base/wall mounted - rigid
Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022 **Seismic Certification Limits:** $S_{DS} = 2.0g$ $z/h = 1.0$ $I_p = 1.5$
 $S_{DS} = 3.2g$ $z/h = 0.0$

| Model Line | Model ¹ | Dimensions (in) | | | Weight (lbs.) | Notes | UUT |
|---|--------------------|-----------------|-------|-------------------|---------------|-------------------|---------|
| | | Depth | Width | Height | | | |
| Soft Start/Soft Stop | FTA1930 | 12.0 | 26.0 | 48.0 | 200 | UUT13: 158 lbs. | 13 |
| | | 12.0 | 26.0 | 48.0 | 200 | UUT15: 153 lbs. | 15 |
| | | 12.0 | 26.0 | 48.0 | 200 | UUT28: 164 lbs. | 28 |
| | | 12.0 | 26.0 | 48.0 | 200 | UUT26: 183 lbs. | 26 |
| | | 12.0 | 26.0 | 48.0 | 200 | UUT4: 189 lbs. | 4 |
| | | 14.0 | 30.0 | 54.0 | 320 | | Interp. |
| | | 18.0 | 36.0 | 68.0 | 475 | UUT16: 409 lbs. | 16 |
| | | 18.0 | 36.0 | 68.0 | 475 | UUT2: 453 lbs. | 2 |
| | | 18.0 | 54.0 | 68.0 | 600 | | Interp. |
| | | 18.0 | 60.0 | 68.0 | 750 | | Interp. |
| | | 18.0 | 60.0 | 68.0 | 769 | UUT14: 769 lbs. | 14 |
| | | 20.0 | 65.0 | 75.0 | 800 | | Interp. |
| | | 20.0 | 68.0 | 75.0 | 1,176 | UUT29: 1,176 lbs. | 29 |
| 20.0 | 80.0 | 75.0 | 1,338 | UUT27: 1,338 lbs. | 27 | | |
| Soft Start/Soft Stop w/ Automatic Power Transfer Switch | FTA1930(-TSA) | 12.0 | 42.0 | 48.0 | 335 | | Interp. |
| | | 14.0 | 50.0 | 54.0 | 600 | | Interp. |
| | | 18.0 | 60.0 | 68.0 | 1,050 | | Interp. |
| | | 20.0 | 105.0 | 75.0 | 1,350 | | Interp. |
| Autotransformer Starter | FTA1800 | 12.0 | 26.0 | 48.0 | 310 | | Interp. |
| | | 14.0 | 30.0 | 54.0 | 425 | | Interp. |
| | | 18.0 | 36.0 | 68.0 | 765 | | Interp. |
| | | 18.0 | 60.0 | 68.0 | 1,210 | | Interp. |
| | | 20.0 | 65.0 | 75.0 | 1,350 | | Interp. |

Notes:
1. The model numbers listed in this table represent specific sets of subcomponents. Test units 1-4, 9, 11-19 cover the range of materials, enclosures, and subcomponents for all models. Models that do not list a UUT are interpolated between the test units.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2100139-CR-002-R3



| | |
|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | TABLE 1 |
| Model Line: FTAXXX | |

Certified Product Construction Summary:
Painted carbon steel & stainless steel enclosure.

Certified Options Summary:
Anti-condensation heater, thermostat and humidistat. Field programmable I/O board

Mounting Configuration:
Base/wall mounted - rigid
Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022 **Seismic Certification Limits:** $S_{DS} = 2.0g$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 3.2g$ $z/h=0.0$

| Model Line | Model ¹ | Dimensions (in) | | | Weight (lbs.) | Notes | UUT |
|--|--------------------|-----------------|-------|--------|---------------|-------------------|---------|
| | | Depth | Width | Height | | | |
| Autotransformer Starter w/ Automatic Power Transfer Switch | FTA1800(-TSA) | 12.0 | 42.0 | 48.0 | 600 | | Interp. |
| | | 14.0 | 50.0 | 54.0 | 810 | | Interp. |
| | | 18.0 | 60.0 | 68.0 | 1,210 | UUT1: 1,210 lbs. | 1 |
| | | 18.0 | 72.0 | 68.0 | 1,210 | UUT9: 1,003 lbs. | 9 |
| | | 20.0 | 105.0 | 75.0 | 2,000 | | Interp. |
| Pressure Limiting (VFD) w/ Across-the-line Bypass | FTA3100S | 12.0 | 52.0 | 48.0 | 270 | | Interp. |
| | | 14.0 | 60.0 | 54.0 | 650 | | Interp. |
| | | 18.0 | 72.0 | 68.0 | 900 | | Interp. |
| | | 30.0 | 107.0 | 75.0 | 1,350 | | Interp. |
| Pressure Limiting (VFD) w/ Across-the-line Bypass w/ Automatic Power Transfer Switch | FTA3100S(-TSA) | 12.0 | 68.0 | 48.0 | 375 | UUT17: 375 lbs. | 17 |
| | | 14.0 | 80.0 | 54.0 | 800 | | Interp. |
| | | 18.0 | 96.0 | 68.0 | 1,300 | | Interp. |
| | | 30.0 | 147.0 | 75.0 | 1,800 | | Interp. |
| Pressure Limiting (VFD) w/ Soft Start Bypass | FTA3130S | 12.0 | 52.0 | 48.0 | 350 | | Interp. |
| | | 14.0 | 60.0 | 54.0 | 820 | | Interp. |
| | | 18.0 | 72.0 | 68.0 | 1,100 | | Interp. |
| | | 30.0 | 107.0 | 75.0 | 2,200 | UUT18: 2,181 lbs. | 18 |
| | | | | | | | |
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Notes:
1. The model numbers listed in this table represent specific sets of subcomponents. Test units 1-4, 9, 11-19 cover the range of materials, enclosures, and subcomponents for all models. Models that do not list a UUT are interpolated between the test units.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2100139-CR-002-R3



| | |
|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | TABLE 2 |
| Model Line: FTAXXX | |

Certified Product Construction Summary:
Painted carbon steel & stainless steel enclosure.

Certified Options Summary:
FTA1100 Models: CE compliance (disconnect switch), Engine block heater, Anti-condensation heater, thermostat and humidistat, field programmable I/O board.

Mounting Configuration:
Wall mounted - rigid
Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022 **Seismic Certification Limits:** $S_{DS} = 2.0g$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 3.2g$ $z/h=0.0$

| Model Line | Model | Dimensions (in) | | | Weight (lbs.) | Notes | UUT |
|---|--------------|-----------------|-------|--------|---------------|------------------------------------|---------|
| | | Depth | Width | Height | | | |
| Diesel Engine Driven Fire Pump Controller | FTA1100 | 8.0 | 23.6 | 27.5 | 90 | UUT: 73 lbs. | 8 |
| | | 8.0 | 30.0 | 40.0 | 132 | | 10 |
| | | 7.9 | 23.6 | 27.6 | 76 | UUT30: 76 lbs. | 30 |
| Limited Service Fire Pump Controller | FTA750 | 8.0 | 20.0 | 24.0 | 140 | | Interp. |
| | FTA750(-TSA) | 8.0 | 40.0 | 24.0 | 140 | | 7 |
| Jockey Fire Pump Controller | FTA550 | 6.0 | 10.0 | 12.0 | 20 | | 5 |
| | | 7.0 | 16.0 | 16.0 | 40 | UUT6: 38 lbs. | 6 |
| | FTA560 | 6.0 | 10.0 | 12.0 | 20 | | Interp. |
| | | 7.0 | 16.0 | 16.0 | 40 | | Interp. |
| | FTA570E | 8.0 | 20.0 | 24.0 | 60 | UUT24: 56 lbs. | 24 |
| | FTA570F | 6.0 | 9.5 | 12.0 | 20 | UUT25: 17 lbs. | 25 |
| Disconnecting Device | FTA990 | 11.0 | 12.0 | 22.0 | 40 | UUT21: 38 lbs. UUT23: 36 lbs. | 21, 23 |
| | | 11.0 | 14.0 | 26.0 | 75 | | Interp. |
| | | 11.0 | 16.0 | 30.0 | 100 | | Interp. |
| | | 12.5 | 18.0 | 42.0 | 130 | UUT20: 120 lbs. UUT22: 129 lbs. | 20, 22 |
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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2100139-CR-002-R3



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|---|--|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Enclosures | TABLE 3 |
| Model Line: FTAXXX | | |

| | | | |
|--------------------------------|--------------------------------------|---------------------------------|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0g \quad z/h = 1.0$ | $I_p = 1.5$ |
| | | $S_{DS} = 3.2g \quad z/h = 0.0$ | |

| Model Line (Manufacturer) | Model | Dimension (in) | | | Material | Notes | UUT |
|---|-------------------|----------------|-------|--------------------------|--------------------------|-----------------------------|-----------|
| | | Depth | Width | Height | | | |
| Enclosure (GTI Fire Protection Systems Corp. dba Firetrol) | 2BOX101A/2BOX201A | 12.0 | 20.0 | 48.0 | Carbon & Stainless Steel | | Extrap. |
| | 2BOX101B/2BOX201B | 12.0 | 26.0 | 48.0 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 4, 13, 15 |
| | 2BOX101C/2BOX201C | 12.0 | 36.0 | 48.0 | Carbon & Stainless Steel | <i>UUT: Stainless Steel</i> | 11 |
| | 2BOX101D/2BOX201D | 12.0 | 42.0 | 48.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX102A/2BOX202A | 14.0 | 24.0 | 54.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX102B/2BOX202B | 14.0 | 30.0 | 54.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX102C/2BOX202C | 14.0 | 44.0 | 54.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX102D/2BOX202D | 14.0 | 50.0 | 54.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX103A/2BOX203A | 18.0 | 30.0 | 68.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX103B/2BOX203B | 18.0 | 36.0 | 68.0 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 2, 3, 16 |
| | 2BOX103C/2BOX203C | 18.0 | 54.0 | 68.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX103D/2BOX203D | 18.0 | 60.0 | 68.0 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 1, 14 |
| | 2BOX103G/2BOX203G | 18.0 | 72.0 | 68.0 | Carbon & Stainless Steel | <i>UUT: Stainless Steel</i> | 9, 12 |
| | 2BOX301A | 12.0 | 20.0 | 48.0 | Carbon & Stainless Steel | | Extrap. |
| | 2BOX301B | 12.0 | 26.0 | 48.0 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 26, 28 |
| | 2BOX301C | 12.0 | 36.0 | 48.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX301D | 12.0 | 42.0 | 48.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX302A | 14.0 | 24.0 | 54.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX302B | 14.0 | 30.0 | 54.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX302C | 14.0 | 44.0 | 54.0 | Carbon & Stainless Steel | | Interp. |
| 2BOX302D | 14.0 | 50.0 | 54.0 | Carbon & Stainless Steel | | Interp. | |
| 2BOX303A | 18.0 | 30.0 | 68.0 | Carbon & Stainless Steel | | Interp. | |
| 2BOX303B | 18.0 | 36.0 | 68.0 | Carbon & Stainless Steel | | Interp. | |

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2100139-CR-002-R3



| | | |
|---|--|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Enclosures | TABLE 3 |
| Model Line: FTAXXX | | |

| | | | |
|--------------------------------|--------------------------------------|-----------------------------|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0g$ $z/h = 1.0$ | $I_p = 1.5$ |
| | | $S_{DS} = 3.2g$ $z/h = 0.0$ | |

| Model Line (Manufacturer) | Model | Dimension (in) | | | Material | Notes | UUT |
|---|--|----------------|-------|--------|--------------------------|----------------------|---------|
| | | Depth | Width | Height | | | |
| Enclosure (GTI Fire Protection Systems Corp. dba Firetrol) | 2BOX303C | 18.0 | 54.0 | 68.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX303D | 18.0 | 60.0 | 68.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX303G | 18.0 | 72.0 | 68.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX201B+ENENC0007 ¹ | 12.0 | 52.0 | 48.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX201D+ENENC0007 ¹ | 12.0 | 68.0 | 48.0 | Carbon & Stainless Steel | UUT: Carbon Steel | 17 |
| | 2BOX202B+ENENC0008 ¹ | 14.0 | 60.0 | 54.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX202D+ENENC0008 ¹ | 14.0 | 80.0 | 54.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX203B+ENENC0009 ¹ | 18.0 | 72.0 | 68.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX203D+ENENC0009 ¹ | 18.0 | 96.0 | 68.0 | Carbon & Stainless Steel | | Interp. |
| | ENENC0003 | 20.0 | 40.0 | 75.0 | Carbon & Stainless Steel | | Interp. |
| | ENENC0004 | 20.0 | 80.0 | 75.0 | Carbon & Stainless Steel | UUT: Stainless Steel | 19 |
| | ENENC0003+ENENC0006 ¹ | 30.0 | 65.0 | 75.0 | Carbon & Stainless Steel | UUT: Carbon Steel | 29 |
| | ENENC0003+ENENC0003 ¹ | 30.0 | 80.0 | 75.0 | Carbon & Stainless Steel | UUT: Carbon Steel | 27 |
| | ENENC0003+ENENC0005 ¹ | 30.0 | 82.0 | 75.0 | Carbon & Stainless Steel | | Interp. |
| | ENENC0003+ENENC0005 +ENENC0006 ¹ | 30.0 | 107.0 | 75.0 | Carbon & Stainless Steel | UUT: Carbon Steel | 18 |
| | ENENC0004+ENENC0005 ¹ | 30.0 | 122.0 | 75.0 | Carbon & Stainless Steel | | Interp. |
| | ENENC0004+ENENC0005 +ENENC0006 ¹ | 30.0 | 147.0 | 75.0 | Carbon & Stainless Steel | | Interp. |
| | | | | | | | |
| | | | | | | | |

Notes:
1. Configuration consists of several individual enclosures installed side by side. Individual enclosures have been tested in standalone and side by side configurations.

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2100139-CR-002-R3



| | | | |
|----------------------|--|---|----------------|
| Manufacturer: | GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Wall Mounted Enclosures | |
| Model Line: | FTAxxx | | TABLE 4 |

Building Code: CBC 2022 **Seismic Certification Limits:** $S_{DS} = 2.0g \quad z/h = 1.0$ $I_p = 1.5$
 $S_{DS} = 3.2g \quad z/h = 0.0$

| Model Line (Manufacturer) | Model | Dimension (in) | | | Material | Notes | UUT |
|---|------------|----------------|-------|--------|--------------------------|-----------------------------|---------|
| | | Depth | Width | Height | | | |
| Enclosure (GTI Fire Protection Systems Corp. dba Firetrol) | 2BOX13A | 6.0 | 10.0 | 12.0 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 5 |
| | 2BOX13C | 7.0 | 16.0 | 16.0 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 6 |
| | 2BOX08A | 8.0 | 20.0 | 24.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX08A x2 | 8.0 | 40.0 | 24.0 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 7 |
| | 2BOX11A | 8.0 | 23.6 | 27.5 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 8 |
| | 2BOX11D | 8.0 | 30.0 | 40.0 | Carbon & Stainless Steel | <i>UUT: Stainless Steel</i> | 10 |
| | 2BOX16A | 11.0 | 12.0 | 22.0 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 21, 23 |
| | 2BOX213A | 6.0 | 9.5 | 12.0 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 25 |
| | 2BOX213B | 6.0 | 12.0 | 12.0 | Carbon & Stainless Steel | | Interp. |
| | 2BOX311A | 8.0 | 23.6 | 27.5 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 30 |
| | ENENC0025 | 8.0 | 20.0 | 24.0 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 24 |
| | ENENC0014 | 11.0 | 16.0 | 30.0 | Carbon & Stainless Steel | | Interp. |
| | ENENC0015 | 12.5 | 18.0 | 42.0 | Carbon & Stainless Steel | <i>UUT: Carbon Steel</i> | 20, 22 |
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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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| | | |
|---|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: FTxxx | | |

| | | | |
|--------------------------------|--------------------------------------|----------------------------------|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0 g \quad z/h = 1.0$ | $I_p = 1.5$ |
| | | $S_{DS} = 3.2 g \quad z/h = 0.0$ | |

| Component Type | Manufacturer | Model | Description | Notes | UUT |
|----------------|--------------|-------------|-------------|-------|---------|
| Soft-starter | Schneider | ATS22D17S6U | 17A | | 13 |
| | | ATS22D32S6U | 32A | | Interp. |
| | | ATS22D47S6U | 47A | | Interp. |
| | | ATS22D62S6U | 62A | | Interp. |
| | | ATS22D75S6U | 75A | | Interp. |
| | | ATS22D88S6U | 88A | | Interp. |
| | | ATS22C11S6U | 110A | | Interp. |
| | | ATS22C14S6U | 140A | | Interp. |
| | | ATS22C17S6U | 170A | | Interp. |
| | | ATS22C21S6U | 210A | | Interp. |
| | | ATS22C25S6U | 250A | | Interp. |
| | | ATS22C32S6U | 320A | | Interp. |
| | | ATS22C41S6U | 410A | | Interp. |
| | | ATS22C48S6U | 480A | | Interp. |
| | | ATS22C59S6U | 590A | | 18 |
| | | ATS480D17Y | 17A | | Interp. |
| | | ATS480D22Y | 22A | | Interp. |
| | | ATS480D32Y | 32A | | Interp. |
| | | ATS480D38Y | 38A | | Interp. |
| | | ATS480D47Y | 47A | | Interp. |
| ATS480D62Y | 62A | | Interp. | | |
| ATS480D75Y | 75A | | Interp. | | |
| ATS480D88Y | 88A | | Interp. | | |

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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| | | |
|---|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: FTAXXX | | |

| | | | |
|--------------------------------|--------------------------------------|------------------------------|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0 g$ $z/h = 1.0$ | $I_p = 1.5$ |
| | | $S_{DS} = 3.2 g$ $z/h = 0.0$ | |

| Component Type | Manufacturer | Model | Description | Notes | UUT |
|----------------|--------------|----------------------|-------------|---------|---------|
| Soft-starter | Schneider | ATS480C11Y | 110A | | 26 |
| | | ATS480C14Y | 140A | | Interp. |
| | | ATS480C17Y | 170A | | Interp. |
| | | ATS480C21Y | 210A | | Interp. |
| | | ATS480C25Y | 250A | | Interp. |
| | | ATS480C32Y | 320A | | Interp. |
| | | ATS480C41Y | 410A | | Interp. |
| | | ATS480C48Y | 480A | | Interp. |
| | | ATS480C59Y | 590A | | Interp. |
| | | ATS48C66Y/ATS480C66Y | 660A | | 14 |
| | | ATS480C79Y | 790A | | Interp. |
| | ATS480M10Y | 1000A | | 27 | |
| | Lovato | ADXL 0030 600 | 30A | | 15 |
| | | ADXL 0045 600 | 45A | | Interp. |
| | | ADXL 0060 600 | 60A | | Interp. |
| | | ADXL 0075 600 | 75A | | Interp. |
| | | ADXL 0085 600 | 85A | | Interp. |
| | | ADXL 0115 600 | 115A | | Interp. |
| | | ADXL 0135 600 | 135A | | Interp. |
| | | ADXL 0162 600 | 162A | | Interp. |
| ADXL 0195 600 | | 195A | | Interp. | |
| ADXL 0250 600 | 250A | | Interp. | | |
| ADXL 0320 600 | 320A | | 16 | | |

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| | | |
|---|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: FTxxx | | |

| | | | |
|--------------------------------|--------------------------------------|------------------------------|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0 g$ $z/h = 1.0$ | $I_p = 1.5$ |
| | | $S_{DS} = 3.2 g$ $z/h = 0.0$ | |

| Component Type | Manufacturer | Model | Description | Notes | UUT |
|----------------|--------------|--------------|-------------|-------|---------|
| Soft-starter | 3L3 | SOFNK0015-6D | 15A | | 28 |
| | | SOFNK0022-6D | 22A | | Interp. |
| | | SOFNK0030-6D | 30A | | Interp. |
| | | SOFNK0037-6D | 37A | | Interp. |
| | | SOFNK0044-6D | 44A | | Interp. |
| | | SOFNK0060-6D | 60A | | Interp. |
| | | SOFNK0074-6D | 74A | | Interp. |
| | | SOFNK0090-6D | 90A | | Interp. |
| | | SOFNK0110-6D | 110A | | Interp. |
| | | SOFNK0150-6D | 150A | | Interp. |
| | | SOFNK0180-6D | 180A | | Interp. |
| | | SOFNK0220-6D | 220A | | Interp. |
| | | SOFNK0264-6D | 264A | | Interp. |
| | | SOFNK0320-6D | 320A | | Interp. |
| | | SOFNK0370-6D | 370A | | Interp. |
| | | SOFNK0440-6D | 440A | | Interp. |
| | | SOFNK0500-6D | 500A | | Interp. |
| | | SOFNK0560-6D | 560A | | Interp. |
| | | SOFNK0630-6D | 630A | | Interp. |
| | | SOFNK0710-6D | 710A | | Interp. |
| SOFNK0800-6D | 800A | | Interp. | | |
| SOFNK0900-6D | 900A | | Interp. | | |
| SOFNK1000-6D | 1000A | | 29 | | |

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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| | | | | |
|----------------------|--|---------------------------|---|----------------|
| Manufacturer: | GTI Fire Protection Systems Corp. dba Firetrol | Table Description: | Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: | FTAxXX | | | |

| | | | | |
|-----------------------|----------|--------------------------------------|--|-------------|
| Building Code: | CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0 g$ $z/h = 1.0$ $S_{DS} = 3.2 g$ $z/h = 0.0$ | $I_p = 1.5$ |
|-----------------------|----------|--------------------------------------|--|-------------|

| Component Type | Manufacturer | Model | Description | Notes | UUT | |
|-------------------|--------------|--------------|-----------------------|-------|---------|---------|
| Soft-starter | Siemens | 3RW4427 | 93A | | 4 | |
| | | 3RW4056 | 115-230 VAC, 145-162A | | Interp. | |
| | | 3RW4075 | 480V, 315A | | 2 | |
| Circuit Breaker | Siemens | MCP 100A | 100A | | 4 | |
| | | MCP 125A | 125A | | Interp. | |
| | | MCP 250A | 250A | | Interp. | |
| | | MCP 400A | 400A | | 2, 3 | |
| | | MCP 600A | 600A | | 4 | |
| | Schneider | HJL36050M72 | 50A | | | 13, 15 |
| | | HJL36150M74 | 150A | | | 11 |
| | | JJL36250M75 | 250A | | | Interp. |
| | | LJL36400M37X | 400A | | | 16 |
| | | LJL36600M37X | 600A | | | Interp. |
| | | PJL36080M68 | 800A | | | 12, 14 |
| | | PJL36100M69 | 1000A | | | 27 |
| | | PJL36120M70 | 1200A | | | 19 |
| Transfer Switches | Socomec | 97233010 | 100A | | 11 | |
| | | 97233020 | 200A | | Interp. | |
| | | 97233026 | 260A | | Interp. | |
| | | 97233040 | 400A | | Interp. | |
| | | 97233060 | 600A | | Interp. | |
| | | 97233080 | 800A | | 12 | |
| | | 97233120 | 1200A | | 19 | |

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| | | |
|---|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: FTAXXX | | |

| | | | |
|--------------------------------|--------------------------------------|-----------------------------|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0g$ $z/h = 1.0$ | $I_p = 1.5$ |
| | | $S_{DS} = 3.2g$ $z/h = 0.0$ | |

| Component Type | Manufacturer | Model | Description | Notes | UUT |
|-----------------------------|--------------|--------------|-------------|-------|---------|
| Molded Case Circuit Breaker | 3L3 | MCPNK0015M1F | 15A | | 17 |
| | | MCPNK0025M1F | 25A | | Interp. |
| | | MCPNK0040M1F | 40A | | Interp. |
| | | MCPNK0060M1F | 60A | | Interp. |
| | | MCPNK0100M1F | 100A | | Interp. |
| | | MCPNK0150M2F | 150A | | Interp. |
| | | MCPNK0225M2F | 225A | | Interp. |
| | | MCPNK0250M3F | 250A | | Interp. |
| | | MCPNK0400M3F | 400A | | Interp. |
| | | MCPNK0600M4F | 600A | | Interp. |
| | | MCPNK0800M5F | 800A | | Interp. |
| | | MCPNK0800M6F | 800A | | Interp. |
| | | MCPNK1000M6F | 1000A | | Interp. |
| | | MCPNK1200M6F | 1200A | | 19, 29 |
| Switches | 3L3 | MCSNK0100M1F | 100A | | 17 |
| | | MCSNK0150M2F | 150A | | Interp. |
| | | MCSNK0225M2F | 225A | | Interp. |
| | | MCSNK0250M3F | 250A | | Interp. |
| | | MCSNK0400M3F | 400A | | Interp. |
| | | MCSNK0600M4F | 600A | | Interp. |
| | | MCSNK0800M5F | 800A | | Interp. |
| | | MCSNK0800M6F | 800A | | Interp. |
| | | MCSNK1000M6F | 1000A | | Interp. |
| MCSNK1200M6F | 1200A | | 19, 29 | | |

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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| | | |
|---|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: FTxxx | | |

| | | | |
|--------------------------------|--------------------------------------|------------------------------|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0 g$ $z/h = 1.0$ | $I_p = 1.5$ |
| | | $S_{DS} = 3.2 g$ $z/h = 0.0$ | |

| Component Type | Manufacturer | Model | Description | Notes | UUT | |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------|----------------------|---------|
| Transformers | Transfab | DL 150VA 208-240V | For 100/200/260/400A versions | | Extrap. | |
| | | DL 150VA 380/400/415-240V | For 100/200/260/400A versions | | 11 | |
| | | DL 150VA 440/460/480-240V | For 100/200/260/400A versions | | Interp. | |
| | | DL 150VA 600-240V | For 100/200/260/400A versions | | Interp. | |
| | | DL 200VA 208-240V | For 600/800A versions | | Interp. | |
| | | DL 200VA 380/400/415-240V | For 600/800A versions | | Interp. | |
| | | DL 200VA 440/460/480-240V | For 600/800A versions | | Interp. | |
| | | DL 200VA 600-240V | For 600/800A versions | | 12 | |
| | | EXS114340 | 600/120V, 100VA, 50-60Hz. | | 1, 2, 9, 14, 16 | |
| | | ET5841 | Toroidal 4000:1 | | 1, 2, 3, 9, 14, 16 | |
| | | ET5874 | Toroidal 3600:1 | | 4, 13, 15 | |
| | | DL 8849QB | 600/24V, 25VA, 50-60Hz. | | 1, 9 | |
| | DL 8882QB | 600/24V, 50VA, 60Hz. | | 1, 4, 9, 13, 15 | | |
| | Rex Manufacturing | RS75J | 75kVA | | GPR only | 9 |
| | | RS150J | 150kVA | | GPR only | Interp. |
| RS400J | | 400kVA | | GPR only | 1 | |
| Marcus Transformer | MTC250 | 600/120V, 250VA, 60Hz. | | | 2, 4, 13, 14, 15, 16 | |
| | | | | | | |
| | | | | | | |

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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| | | | | |
|----------------------|--|---------------------------|---|----------------|
| Manufacturer: | GTI Fire Protection Systems Corp. dba Firetrol | Table Description: | Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: | FTAxxx | | | |

| | | | | |
|-----------------------|----------|--------------------------------------|--|-------------|
| Building Code: | CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0 g$ $z/h = 1.0$ $S_{DS} = 3.2 g$ $z/h = 0.0$ | $I_p = 1.5$ |
|-----------------------|----------|--------------------------------------|--|-------------|

| Component Type | Manufacturer | Model | Description | Notes | UUT |
|---------------------|----------------------|-----------------|----------------------------|--------------------|------------------------|
| Resistor | I-Gard Corp. | TR-600-75 | Wye-Delta, 600V, 75HP | | 9 |
| | | TR-600-150 | Wye-Delta, 600V, 150HP | GPW only | Interp. |
| | | TR-600-400 | Wye-Delta, 600V, 400HP | GPW only | 3 |
| | Huntington Vishay | ALSR5F-5-1.0-1% | 1 Ohm, 5W, 1% Ceramic | | 1-4, 9, 13, 14, 15, 16 |
| Solenoid Valve | Granzow | 1ASC024 | 24VDC | | 1-4, 9, 13, 14, 15, 16 |
| Alarm Bell | Newsmart | 1NEW001 | 12VDC, Ø150mm, red | | 1-4, 13, 14, 15, 16 |
| | | 1NEW002 | 24VDC, Ø150mm, red | | 9, 11 |
| Pressure Transducer | Telemecanique | XMLP600PPF13Q3 | 600psi, 0.5-4.5V, 1/4" NPT | | 1-4, 9, 13, 14, 15, 16 |
| Control Relay | Siemens | 3RH1122-1AB00 | 24VAC, 2NO/2NC, 50/60Hz. | | 1-4, 9, 13, 14, 15, 16 |
| Contactor | Siemens | 3RT103 | Frame size S2 | | Extrap. |
| | | 3RT104 | Frame size S3 | | 4 |
| | | 3RT105 | Frame size S6 | | 1, 3 |
| | | 3RT106 | Frame size S10 | | 1, 2, 3, 9 |
| | | 3RT107 | Frame size S12 | | 1, 9 |
| | | 3RH1921-1DA11 | 1NO+1NC | | 4 |
| | | 3RH1921-1FA22 | 2NO+2NC | UUT: (2) installed | 1, 9 |
| | | 3RH1921-1FC22 | 2NO+2NC, Late break | UUT: (2) installed | 3 |
| | | 3RT1016-1BB41 | 24VDC Contactor 9A | | 11, 12 |
| 3RA1912-2H | Mechanical Interlock | | 11, 12 | | |

TRU Compliance, by Structural Integrity Associates, Inc.

844-TRU-0200 | info@trucompliance.com

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| | | |
|---|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: FTAXXX | | |

| | | | |
|--------------------------------|--------------------------------------|------------------------------|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0 g$ $z/h = 1.0$ | $I_p = 1.5$ |
| | | $S_{DS} = 3.2 g$ $z/h = 0.0$ | |

| Component Type | Manufacturer | Model | Description | Notes | UUT |
|----------------|-----------------------|---------|-----------------------|-------|---------|
| Contactor | Schneider | LC1D25 | 3-Pole, 25A | | 11 |
| | | LC1D40 | 3-Pole, 40A | | 13, 15 |
| | | LC1D65A | 3-Pole, 65A | | Interp. |
| | | LC1D80 | 3-Pole, 80A, 4 lbs. | | Interp. |
| | | LC1D95 | 3-Pole, 95A, 4 lbs. | | Interp. |
| | | LC1D115 | 3-Pole, 115A, 4 lbs. | | Interp. |
| | | LC1F185 | 3-Pole, 185A, 12 lbs. | | Interp. |
| | | LC1F225 | 3-Pole, 225A, 12 lbs. | | Interp. |
| | | LC1F265 | 3-Pole, 265A, 19 lbs. | | Interp. |
| | | LC1F330 | 3-Pole, 330A, 21 lbs. | | Interp. |
| | | LC1F400 | 3-Pole, 400A, 18 lbs. | | 16 |
| | | LC1F630 | 3-Pole, 630A, 34 lbs. | | 14 |
| | | LC1F800 | 3-Pole, 800A, 41 lbs. | | 12 |
| | | LC1G115 | 3-Pole, 115A, 8 lbs. | | 26 |
| | | LC1G150 | 3-Pole, 150A, 8 lbs. | | Interp. |
| | | LC1G185 | 3-Pole, 185A, 8 lbs. | | Interp. |
| | | LC1G225 | 3-Pole, 225A, 8 lbs. | | Interp. |
| | | LC1G265 | 3-Pole, 265A, 15 lbs. | | Interp. |
| | | LC1G330 | 3-Pole, 330A, 15 lbs. | | Interp. |
| | | LC1G400 | 3-Pole, 400A, 15 lbs. | | Interp. |
| LC1G500 | 3-Pole, 500A, 15 lbs. | | Interp. | | |
| LC1G630 | 3-Pole, 630A, 31 lbs. | | Interp. | | |
| LC1G800 | 3-Pole, 800A, 31 lbs. | | 27 | | |

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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| | | |
|---|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: FTxxx | | |

| | | | |
|--------------------------------|--------------------------------------|-----------------------------|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0g$ $z/h = 1.0$ | $I_p = 1.5$ |
| | | $S_{DS} = 3.2g$ $z/h = 0.0$ | |

| Component Type | Manufacturer | Model | Description | Notes | UUT |
|-----------------------------|---------------|-----------|------------------------|-------|---------|
| Contactor | 3L3 | CONNK0009 | 3-Pole, 9A | | 17 |
| | | CONNK0012 | 3-Pole, 12A | | Interp. |
| | | CONNK0018 | 3-Pole, 18A | | Interp. |
| | | CONNK0025 | 3-Pole, 25A | | Interp. |
| | | CONNK0032 | 3-Pole, 32A | | Interp. |
| | | CONNK0040 | 3-Pole, 40A | | 28 |
| | | CONNK0050 | 3-Pole, 50A | | Interp. |
| | | CONNK0065 | 3-Pole, 65A | | Interp. |
| | | CONNK0080 | 3-Pole, 80A | | Interp. |
| | | CONNK0095 | 3-Pole, 95A | | Interp. |
| | | CONNK0115 | 3-Pole, 115A | | Interp. |
| | | CONNK0150 | 3-Pole, 150A | | Interp. |
| | | CONNK0185 | 3-Pole, 185A | | Interp. |
| | | CONNK0225 | 3-Pole, 225A | | Interp. |
| | | CONNK0265 | 3-Pole, 265A | | Interp. |
| | | CONNK0330 | 3-Pole, 330A | | Interp. |
| | | CONNK0400 | 3-Pole, 400A | | Interp. |
| | | CONNK0500 | 3-Pole, 500A | | Interp. |
| | | CONNK0630 | 3-Pole, 630A | | Interp. |
| | | CONNK0800 | 3-Pole, 800A | | Interp. |
| CONNK1000 | 3-Pole, 1000A | | 19, 29 | | |
| Contactor Replacement Parts | Siemens | 3RT202 | Replacement for 3RT102 | | 11 |
| | | 3RT203 | Replacement for 3RT103 | | 12 |

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | | Table Description: Base/Wall Mounted Electrical Components | | | TABLE 5 |
|---|--|---|-------------------------------------|--------------|------------------------|
| Model Line: FTAXXX | | | | | |
| Building Code: CBC 2022 | | Seismic Certification Limits: $S_{DS} = 2.0g$ $z/h = 1.0$ $S_{DS} = 3.2g$ $z/h = 0.0$ | | | $I_p = 1.5$ |
| Component Type | Manufacturer | Model | Description | Notes | UUT |
| Switch Contact Block | Siemens | 3SB3400-0B | 10A, 1NO | | 1-4, 9, 13, 14, 15, 16 |
| HMI | GTI Fire Protection Systems Corp. dba Firetrol | 2VIZ001 | Programmable Logic Controller | | 1, 2, 3, 4 |
| | | VZASS0001 | Programmable Logic Controller | | 9, 11-16, 18 |
| | | VZASS0003 | Programmable Logic Controller | | 17, 19 |
| I/O Board | GTI Fire Protection Systems Corp. dba Firetrol | 2VIZ002/2VIZ102 | I/O Board Electric | | 1-4, 9, 11-19 |
| | | 2VIZ003/2VIZ103 | I/O Board Transfer Switch | | 1, 9, 11, 12, 17, 19 |
| | | 2VIZ005/2VIZ105 | I/O Board Expander | | 2, 9, 14, 16, 17, 18 |
| Surge Arrester | Square D | SDSA 3650 | 40kA Surge Current Rating per Phase | | 1, 2, 3, 4 |
| | Citel | DS44US-480D | 40kA Surge Current Rating per Phase | | 13, 14, 15, 16 |
| | | DS44US-600D | 40kA Surge Current Rating per Phase | | Extrap. |
| 3-Way Valve | Granzow | 1ASC028 | 24VDC 3-Way Valve 500 psi Brass | | 11 |
| | | 1ASC029 | 24VDC 3-Way Valve 500 psi Stainless | | Interp. |
| | | 1ASC030 | 12VDC 3-Way Valve 500 psi Brass | | Interp. |
| | | 1ASC031 | 12VDC 3-Way Valve 500 psi Stainless | | 12 |
| Auxiliary Contact | Socomec | 1SOC011 | Aux. Contact NO/NC | | 11 |
| Heater | DBK | HP06-2-15-240 | 160W, 110/240V | | 2, 14, 16 |
| Thermostat | DBK | FGT100 | 0-60°C, NC | | 2, 14, 16 |
| Humidistat | DBK | RFHSS-112 | 24V-230V, 50/60Hz., 40-90% rH | | 2, 14, 16 |

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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| | | |
|---|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: FTxxx | | |

| | | |
|--------------------------------|---|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: $S_{DS} = 2.0 g$ $z/h = 1.0$ $S_{DS} = 3.2 g$ $z/h = 0.0$ | $I_P = 1.5$ |
|--------------------------------|---|-------------|

| Component Type | Manufacturer | Model | Description | Notes | UUT |
|----------------|--------------|---------------------|------------------|--------------------------|---------|
| Line Reactor | Transfab TMS | KDRB25H | 208-240V, 5 Hp | 4"D x 6"W x 5"H | Interp. |
| | | KDRB26H | 208-240V, 7.5 Hp | 4"D x 6"W x 5"H | 17 |
| | | KDRD21H | 208-240V, 10 Hp | 4.25"D x 7.2"W x 5.75"H | Interp. |
| | | KDRD22H | 208-240V, 15 Hp | 4.25"D x 7.2"W x 5.75"H | Interp. |
| | | KDRC22H | 208-240V, 20 Hp | 4.25"D x 7.2"W x 5.75"H | Interp. |
| | | KDRF28H | 208-240V, 25 Hp | 6"D x 9"W x 7"H | Interp. |
| | | KDRF25H | 208-240V, 30 Hp | 7"D x 9"W x 7"H | Interp. |
| | | KDRF26H | 208-240V, 40 Hp | 7"D x 9"W x 7"H | Interp. |
| | | KDRH24H | 208-240V, 50 Hp | 7"D x 11"W x 9"H | Interp. |
| | | KDRH23H | 208-240V, 60 Hp | 7.5"D x 11"W x 9"H | Interp. |
| | | KDRI22H | 208-240V, 75 Hp | 8.25"D x 11"W x 9"H | Interp. |
| | | KDRI21H | 208-240V, 100 Hp | 8.25"D x 11"W x 9"H | Interp. |
| | | KDRAA3H2 | 480V, 5 Hp | 2.64"D x 4.25"W x 4.44"H | Interp. |
| | | KDRAA4H2 | 480V, 7.5 Hp | 2.64"D x 4.25"W x 4.44"H | Interp. |
| | | KDRAA5H2 | 480V, 10 Hp | 2.64"D x 4.25"W x 4.44"H | Interp. |
| | | KDRB2H | 480V, 15 Hp | 4"D x 6"W x 5"H | Interp. |
| | | KDRC3H | 480V, 20 Hp | 5"D x 7.2"W x 5.75"H | Interp. |
| | | KDRC1H | 480V, 25 Hp | 5"D x 7.2"W x 5.75"H | Interp. |
| | | KDRE2H | 480V, 30 Hp | 5"D x 7.2"W x 5.75"H | Interp. |
| | | KDRF4H | 480V, 40 Hp | 6"D x 9"W x 7"H | Interp. |
| KDRF1H | 480V, 50 Hp | 6"D x 9"W x 7"H | Interp. | | |
| KDRF2H | 480V, 60 Hp | 6"D x 9"W x 7"H | Interp. | | |
| KDRH2H | 480V, 75 Hp | 7.25"D x 11"W x 9"H | Interp. | | |

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| | | |
|---|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: FTxxx | | |

| | | |
|--------------------------------|---|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: $S_{DS} = 2.0 g$ $z/h = 1.0$ $S_{DS} = 3.2 g$ $z/h = 0.0$ | $I_P = 1.5$ |
|--------------------------------|---|-------------|

| Component Type | Manufacturer | Model | Description | Notes | UUT |
|----------------|--------------|---------------------|--------------|---------------------------|---------|
| Line Reactor | Transfab TMS | KDRI2H | 480V, 100 Hp | 7"D x 11"W x 9"H | Interp. |
| | | KDRG3H | 480V, 125 Hp | 8"D x 11"W x 9"H | Interp. |
| | | KDRG1H | 480V, 150 Hp | 8.12"D x 11"W x 9"H | Interp. |
| | | KDRJ1H | 480V, 200 Hp | 9.75"D x 11"W x 9"H | Interp. |
| | | KDRL1H | 480V, 250 Hp | 9.31"D x 14.5"W x 11.38"H | Interp. |
| | | KDRL2H | 480V, 300 Hp | 11"D x 14.5"W x 11.38"H | Interp. |
| | | KDRL3H | 480V, 350 Hp | 9.31"D x 14.5"W x 11.38"H | Interp. |
| | | KDRL4H | 480V, 400 Hp | 12"D x 15"W x 11.38"H | Interp. |
| | | KDRL5H | 480V, 450 Hp | 12.25"D x 15"W x 11.38"H | 18 |
| | | KDRL6H | 480V, 500 Hp | 12.25"D x 15"W x 11.38"H | Interp. |
| | | KDRS1H | 480V, 600 Hp | 13.25"D x 15"W x 11.38"H | Interp. |
| | | KDRAA58H2 | 600V, 5 Hp | 2.64"D x 4.25"W x 4.44"H | Interp. |
| | | KDRB42H | 600V, 7.5 Hp | 4"D x 6"W x 5"H | Interp. |
| | | KDRB43H | 600V, 10 Hp | 4"D x 6"W x 5"H | Interp. |
| | | KDRB44H | 600V, 15 Hp | 4"D x 6"W x 5"H | Interp. |
| | | KDRD41H | 600V, 20 Hp | 4.25"D x 7.2"W x 5.75"H | Interp. |
| | | KDRC43H | 600V, 25 Hp | 5"D x 7.2"W x 5.75"H | Interp. |
| | | KDRE42H | 600V, 30 Hp | 5"D x 7.2"W x 5.75"H | Interp. |
| | | KDRF44H | 600V, 40 Hp | 6"D x 9"W x 7"H | Interp. |
| | | KDRF45H | 600V, 50 Hp | 6"D x 9"W x 7"H | Interp. |
| KDRH43H | 600V, 60 Hp | 6"D x 11"W x 9"H | Interp. | | |
| KDRH42H | 600V, 75 Hp | 6"D x 11"W x 9"H | Interp. | | |
| KDRI41H | 600V, 100 Hp | 7.25"D x 11"W x 9"H | Interp. | | |

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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| | | |
|---|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: FTxxx | | |

| | | | |
|--------------------------------|--------------------------------------|------------------------------|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0 g$ $z/h = 1.0$ | $I_P = 1.5$ |
| | | $S_{DS} = 3.2 g$ $z/h = 0.0$ | |

| Component Type | Manufacturer | Model | Description | Notes | UUT |
|--------------------------------|-------------------------------|--------------|---------------------------------|--------------|---------|
| Variable Frequency Drive (VFD) | Schneider | ATV630U40M3 | 200-240V 3PH AC, 5 Hp, 4 kW | Frame Size 1 | 17 |
| | | ATV630U55M3 | 200-240V 3PH AC, 7.5 Hp, 5.5 kW | Frame Size 2 | Interp. |
| | | ATV630U75M3 | 200-240V 3PH AC, 10 Hp, 7.5 kW | Frame Size 3 | Interp. |
| | | ATV630D11M3 | 200-240V 3PH AC, 15 Hp, 11 kW | Frame Size 3 | Interp. |
| | | ATV630D15M3 | 200-240V 3PH AC, 20 Hp, 15 kW | Frame Size 4 | Interp. |
| | | ATV630D18M3 | 200-240V 3PH AC, 25 Hp, 18.5 kW | Frame Size 4 | Interp. |
| | | ATV630D22M3 | 200-240V 3PH AC, 30 Hp, 22 kW | Frame Size 4 | Interp. |
| | | ATV630D30M3 | 200-240V 3PH AC, 40 Hp, 30 kW | Frame Size 5 | Interp. |
| | | ATV630D37M3 | 200-240V 3PH AC, 50 Hp, 37 kW | Frame Size 5 | Interp. |
| | | ATV630D45M3 | 200-240V 3PH AC, 60 Hp, 45 kW | Frame Size 5 | Interp. |
| | | ATV630D55M3 | 200-240V 3PH AC, 75 Hp, 55 kW | Frame Size 6 | Interp. |
| | | ATV630D75M3 | 200-240V 3PH AC, 100 Hp, 75 kW | Frame Size 6 | Interp. |
| | | ATV630U40N4 | 380-480V 3PH AC, 5 Hp, 4 kW | Frame Size 1 | Interp. |
| | | ATV630U55N4 | 380-480V 3PH AC, 7.5 Hp, 5.5 kW | Frame Size 1 | Interp. |
| | | ATV630U75N4 | 380-480V 3PH AC, 10 Hp, 7.5 kW | Frame Size 2 | Interp. |
| | | ATV630D11N4 | 380-480V 3PH AC, 15 Hp, 11 kW | Frame Size 2 | Interp. |
| | | ATV630D15N4 | 380-480V 3PH AC, 20 Hp, 15 kW | Frame Size 3 | Interp. |
| | | ATV630D18N4 | 380-480V 3PH AC, 25 Hp, 18.5 kW | Frame Size 3 | Interp. |
| | | ATV630D22N4 | 380-480V 3PH AC, 30 Hp, 22 kW | Frame Size 3 | Interp. |
| | | ATV630D30N4 | 380-480V 3PH AC, 40 Hp, 30 kW | Frame Size 4 | Interp. |
| | | ATV630D37N4 | 380-480V 3PH AC, 50 Hp, 37 kW | Frame Size 4 | Interp. |
| | | ATV630D45N4 | 380-480V 3PH AC, 60 Hp, 45 kW | Frame Size 4 | Interp. |
| ATV630D55N4 | 380-480V 3PH AC, 75 Hp, 55 kW | Frame Size 5 | Interp. | | |

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| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | | Table Description: Base/Wall Mounted Electrical Components | | | TABLE 5 | |
|---|--|---|---------------------------------|---------------------------|----------------|--|
| Model Line: FTAXXX | | | | | | |
| Building Code: CBC 2022 | | Seismic Certification Limits: $S_{DS} = 2.0 g$ $z/h = 1.0$ $S_{DS} = 3.2 g$ $z/h = 0.0$ | | | $I_P = 1.5$ | |
| Component Type | Manufacturer | Model | Description | Notes | UUT | |
| Variable Frequency Drive (VFD) | Schneider | ATV630D75N4 | 380-480V 3PH AC, 100 Hp, 75 kW | Frame Size 5 | Interp. | |
| | | ATV630D90N4 | 380-480V 3PH AC, 125 Hp, 90 kW | Frame Size 5 | Interp. | |
| | | ATV630C11N4 | 380-480V 3PH AC, 150 Hp, 110 kW | Frame Size 6 | Interp. | |
| | | ATV630C13N4 | 380-480V 3PH AC, 200 Hp, 132 kW | Frame Size 6 | Interp. | |
| | | ATV630C16N4 | 380-480V 3PH AC, 250 Hp, 160 kW | Frame Size 6 | Interp. | |
| | | ATV630C22N4 | 380-480V 3PH AC, 350 Hp, 220 kW | Frame Size 7A | Interp. | |
| | | ATV630C25N4 | 380-480V 3PH AC, 400 Hp, 250 kW | Frame Size 7B | Interp. | |
| | | ATV630C31N4 | 380-480V 3PH AC, 500 Hp, 315 kW | Frame Size 7B | 18 | |
| | | ATV630U55Y6 | 500-690V 3PH AC, 5 Hp, 4 kW | Frame Size 3Y | Interp. | |
| | | ATV630U75Y6 | 500-690V 3PH AC, 7.5 Hp, 5.5 kW | Frame Size 3Y | Interp. | |
| | | ATV630D11Y6 | 500-690V 3PH AC, 10 Hp, 7.5 kW | Frame Size 3Y | Interp. | |
| | | ATV630D15Y6 | 500-690V 3PH AC, 15 Hp, 11 kW | Frame Size 3Y | Interp. | |
| | | ATV630D18Y6 | 500-690V 3PH AC, 20 Hp, 15 kW | Frame Size 3Y | Interp. | |
| | | ATV630D22Y6 | 500-690V 3PH AC, 25 Hp, 18.5 kW | Frame Size 3Y | Interp. | |
| | | ATV630D30Y6 | 500-690V 3PH AC, 30 Hp, 22 kW | Frame Size 3Y | Interp. | |
| | | ATV630D37Y6 | 500-690V 3PH AC, 40 Hp, 30 kW | Frame Size 5Y | Interp. | |
| | | ATV630D45Y6 | 500-690V 3PH AC, 50 Hp, 37 kW | Frame Size 5Y | Interp. | |
| | | ATV630D55Y6 | 500-690V 3PH AC, 60 Hp, 45 kW | Frame Size 5Y | Interp. | |
| | | ATV630D75Y6 | 500-690V 3PH AC, 75 Hp, 55 kW | Frame Size 5Y | Interp. | |
| ATV630D90Y6 | 500-690V 3PH AC, 100 Hp, 75 kW | Frame Size 5Y | Interp. | | | |
| Trip Module | GTI Fire Protection Systems Corp. dba Firetrol | 2PLA048 | 24VDC | For CB Sentron 100A, 125A | 4 | |

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| | | |
|---|---|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Base/Wall Mounted Electrical Components | TABLE 5 |
| Model Line: FTAXXX | | |

Building Code: CBC 2022 **Seismic Certification Limits:** $S_{DS} = 2.0 g$ $z/h = 1.0$ $I_p = 1.5$
 $S_{DS} = 3.2 g$ $z/h = 0.0$

| Component Type | Manufacturer | Model | Description | Notes | UUT |
|--|--------------|--------|-------------|-------|---------|
| Fuse (Mersen Class J Time Delay Fuse 600V) | Schneider | AJT15 | 15A | | Interp. |
| | | AJT20 | 20A | | Interp. |
| | | AJT25 | 25A | | 17 |
| | | AJT30 | 30A | | Interp. |
| | | AJT35 | 35A | | Interp. |
| | | AJT40 | 40A | | Interp. |
| | | AJT45 | 45A | | Interp. |
| | | AJT50 | 50A | | Interp. |
| | | AJT60 | 60A | | Interp. |
| | | AJT70 | 70A | | Interp. |
| | | AJT80 | 80A | | Interp. |
| | | AJT90 | 90A | | Interp. |
| | | AJT100 | 100A | | Interp. |
| | | AJT110 | 110A | | Interp. |
| | | AJT150 | 150A | | Interp. |
| | | AJT175 | 175A | | Interp. |
| | | AJT200 | 200A | | Interp. |
| | | AJT250 | 250A | | Interp. |
| | | AJT315 | 315A | | Interp. |
| | | AJT350 | 350A | | Interp. |
| AJT500 | 500A | | Interp. | | |
| AJT600 | 600A | | 18 | | |

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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| | | |
|---|--|----------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | Table Description: Wall Mounted Electrical Components | TABLE 6 |
| Model Line: FTxxx | | |

| | | | |
|--------------------------------|--------------------------------------|-----------------------------|-------------|
| Building Code: CBC 2022 | Seismic Certification Limits: | $S_{DS} = 2.0g$ $z/h = 1.0$ | $I_p = 1.5$ |
| | | $S_{DS} = 3.2g$ $z/h = 0.0$ | |

| Component Type | Manufacturer | Model | Description | Notes | UUT | |
|------------------|--------------|--------------|------------------------------------|----------------------|-----|---------|
| Circuit Breakers | Lovato | P1MB1PD10 | Miniature CB, 1 pole, D curve, 10A | | 10 | |
| | | P1MB1PB16 | Miniature CB, 1 pole, B curve, 16A | | 10 | |
| | | P1MB1PC25 | Miniature CB, 1 pole, C curve, 25A | | 10 | |
| | 3L3 | MCPNK0025M1F | 25A M1 Frame CB | | | 23 |
| | | MCPNK0030M1F | 30A M1 Frame CB | | | Interp. |
| | | MCPNK0040M1F | 40A M1 Frame CB | | | Interp. |
| | | MCPNK0050M1F | 50A M1 Frame CB | | | Interp. |
| | | MCPNK0060M1F | 60A M1 Frame CB | | | Interp. |
| | | MCPNK0070M1F | 70A M1 Frame CB | | | Interp. |
| | | MCPNK0100M1F | 100A M1 Frame CB | | | Interp. |
| | | MCPNK0150M1F | 150A M1 Frame CB | | | Interp. |
| | | MCPNK0150M2F | 150A M2 Frame CB | | | Interp. |
| | | MCPNK0225M2F | 225A M2 Frame CB | | | Interp. |
| | | MCPNK0250M3F | 250A M3 Frame CB | | | Interp. |
| | | MCPNK0400M3F | 400A M3 Frame CB | | | Interp. |
| | | MCPNK0600M4F | 600A M4 Frame CB | | | Interp. |
| | | MCPNK0800M5F | 800A M5 Frame CB | | | Interp. |
| | | MCPNK1000M6F | 1000A M6 Frame CB | | | Interp. |
| | | MCPNK1200M6F | 1200A M6 Frame CB | | | 22 |
| | | Schneider | Multi 9 | 15A, 1 pole, curve C | | |
| | MG-24506 | | 10A | | | 8 |
| | MG-17406 | | 15A | | | 8 |
| | BJL36100 | | 100A | | | 24 |

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| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol Model Line: FTxxx | | Table Description: Wall Mounted Electrical Components | | | TABLE 6 | |
|---|--------------|--|------------------------------------|-----------------------------|--|--|
| Building Code: CBC 2022 | | Seismic Certification Limits: | | | $S_{DS} = 2.0g \quad z/h = 1.0$ $S_{DS} = 3.2g \quad z/h = 0.0$ | |
| | | | | | $I_p = 1.5$ | |
| Component Type | Manufacturer | Model | Description | Notes | UUT | |
| Circuit Breakers | Schneider | H(J/L/R)L36050M72 | 50A H Frame CB | | 21 | |
| | | H(J/L/R)L36100M73 | 100A H Frame CB | | Interp. | |
| | | H(J/L/R)L36150M74 | 150A H Frame CB | | Interp. | |
| | | J(J/L/R)L36250M75 | 250A J Frame CB | | Interp. | |
| | | L(J/L/R)L36400M37X | 400A L Frame CB | | Interp. | |
| | | L(J/L/R)L36600M37X | 600A L Frame CB | | Interp. | |
| | | P(J/L/R)L36080M68 | 800A P Frame CB | | Interp. | |
| | | P(J/L/R)L36100M69 | 1000A P Frame CB | | Interp. | |
| | | P(J/L/R)L36120U31A | 1200A P Frame CB | | 20 | |
| Switches | 3L3 | MMSNK00403PH-F | 4A | Type F Manual Motor Starter | 25 | |
| | Katko | KU325N | 25A | | 5 | |
| | | KU340N | 40A | | 8 | |
| | | VKA3100N | 100A | | 6 | |
| | Lovato | GA025A | 25A Disconnect Switch | | 10 | |
| | | GA040A | 40A Disconnect Switch | | Interp. | |
| | | GA063A | 63A Disconnect Switch | | Interp. | |
| | | GA080A | 80A Disconnect Switch | | 10 | |
| | | GAX7200 | Disconnect Switch Handle | | 10 | |
| Transformer | Transfab | DO 0025HC | 25VA, 120/240-12/24V, 50/60Hz, 1PH | | 5 | |
| | | ET5874 | 3600:1 | | 7 | |
| | | DL 8848FB | 208/24V, 25VA, 50/60Hz. | | 7 | |
| | | DL 9316SB | 208/240V, 24V, 50VA, 50/60Hz. | | 7 | |
| | | DL 9997SB | 100VA, 208/240-24V, 50/60Hz | | 6 | |

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

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| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol Model Line: FTxxx | | Table Description: Wall Mounted Electrical Components | | TABLE 6 | |
|---|--|--|-------------------------------------|--|---------|
| Building Code: CBC 2022 | | Seismic Certification Limits: | | $S_{DS} = 2.0g \quad z/h = 1.0$ $S_{DS} = 3.2g \quad z/h = 0.0$ | |
| | | | | $I_p = 1.5$ | |
| Component Type | Manufacturer | Model | Description | Notes | UUT |
| Solenoid Valve | Granzow | 1ASC025 | 12VDC | | 8, 10 |
| Alarm Bell | Newsmart | 1NEW002 | 24VDC, Ø150mm, red | | 10 |
| Pressure Transducer | Telemecanique | XMLP600PPF13Q3 | 600PSI, 0.5-4.5V, 1/4" NPT | | 8, 10 |
| Contactactor | Schneider | LC1D65A | 65A | | 24 |
| Contact Block | Schneider | GV-AE11 | 1NO/1NC | | 5 |
| | Siemens | 3SB3400-0B | 1 NO Contact, 10A | | 8, 10 |
| HMI | GTI Fire Protection Systems Corp. dba Firetrol | 2VIZ001 | Programmable Logic Controller | | 7, 8 |
| | | VZASS0001 | Programmable Logic Controller | | 10 |
| | | VZASS0002 | Programmable Logic Controller | Same as VZASS0001 | Interp. |
| | | VZASS0005 | Programmable Logic Controller | | 24, 25 |
| Battery charger | Lovato | BCG1212 | 12V | | 10 |
| | | BCG1024 | 24V | | 8 |
| | 3L3 | BCGNK150W12V | 12V | | 30 |
| | | BCGNK300W24V | 24V | Same as BCGNK150W12V | Interp. |
| I/O Board | GTI Fire Protection Systems Corp. dba Firetrol | 2VIZ002/2VIZ102 | I/O Board Electric | | 7 |
| | | 2VIZ003/2VIZ103 | I/O Board Transfer Switch | | 7 |
| | | 2VIZ004/2VIZ104 | I/O Board Diesel | | 8, 10 |
| | | 2VIZ005/2VIZ105 | I/O Board Expander | | 8, 10 |
| EMC Filter | EPCOS/TKD | B84111F0000B110 | 1PH, 250V, 50/60Hz., 10A | | 8, 10 |
| Heater | DBK | HP06-2-15-240 | 160W, 110-240V | | 8, 10 |
| Thermostat | DBK | FGT100 | 0-60 °C, NC | | 8, 10 |
| Humidistat | DBK | RFHSS-112 | 24V-230V, 50/60Hz., 40-90% rH | | 8, 10 |
| Surge Arrester | Square D | SDSA 3650 | 40kA Surge Current Rating per Phase | | 7 |

UNIT UNDER TEST (UUT) SUMMARY SHEET

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| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol Model Line: FTAXXX | | | | | | | | |
|--|---|-------------------------|------------------------------------|----------------|-----------------------|-----------------|------------|----------------|
| UUT | Unit Description (Mounting) | Report Number (UUT#) | Testing Lab | Year Tested | ISO 17025 Accredited? | S _{DS} | z/h | I _p |
| 1 | FTA1800AM400C + FTA950AM400C (Base/wall mounted - rigid) | 13729 Rev.2 (UUT1) | Environmental Testing Lab (ETL) | 5/14/ 2015 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 2 | FTA1930AM300C (Base/wall mounted - rigid) | 13729 Rev.2 (UUT2) | Environmental Testing Lab (ETL) | 5/13/ 2015 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 3 | FTA1350AM400C (Base/wall mounted - rigid) | 13729 Rev.2 (UUT3) | Environmental Testing Lab (ETL) | 5/13/ 2015 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 4 | FTA1930AM60C (Base/wall mounted - rigid) | 13729 Rev.2 (UUT4) | Environmental Testing Lab (ETL) | 5/14/ 2015 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 5 | FTA550-AA014D-TT (Wall mounted - rigid) | 13729 Rev.2 (UUT5) | Environmental Testing Lab (ETL) | 5/13/ 2015 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 6 | FTA550-AA020A-TT (Wall mounted - rigid) | 13729 Rev.2 (UUT6) | Environmental Testing Lab (ETL) | 5/13/ 2015 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 7 | FTA750-AD30H-TT + FTA976-AD150H-TT (Wall mounted - rigid) | 13729 Rev.2 (UUT7) | Environmental Testing Lab (ETL) | 5/14/ 2015 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 8 | FTA1100-JL24N (Wall mounted - rigid) | 13729 Rev.2 (UUT8) | Environmental Testing Lab (ETL) | 5/14/ 2015 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 9 | FTA1800AM400C + FTA950AM400C (Base/wall mounted - rigid) | JID 15-01258 (UUT9) | Clark Testing | 11/16/ 2015 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 10 | FTA1100-JL12N (Wall mounted - rigid) | JID 15-01258 (UUT10) | Clark Testing | 11/16/ 2015 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 11 | FTA1000AM60C + FTA950AM60C (Base/wall mounted - rigid) | 14599 Rev.1 (UUT11) | Environmental Testing Lab (ETL) | 9/18/ 2017 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| Notes: | | | | | | | | |

UNIT UNDER TEST (UUT) SUMMARY SHEET

2100139-CR-002-R3



| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol Model Line: FTAXXX | | | | | | | | |
|--|--|---------------------------|------------------------------------|----------------|-----------------------|-----------------|------------|----------------|
| UUT | Unit Description (Mounting) | Report Number (UUT#) | Testing Lab | Year Tested | ISO 17025 Accredited? | S _{DS} | z/h | I _P |
| 12 | FTA1005AM400C + FTA950AM400C (Base/wall mounted - rigid) | 14599 Rev.1 (UUT12) | Environmental Testing Lab (ETL) | 9/18/ 2017 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 13 | FTA1930AM5C (Base/wall mounted - rigid) | 2100139-TR-001 (UUT1) | Environmental Testing Lab (ETL) | 4/7/ 2021 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 14 | FTA1930AM500C (Base/wall mounted - rigid) | 2100139-TR-001 (UUT2) | Environmental Testing Lab (ETL) | 4/8/ 2021 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 15 | FTA1930AM5C (Base/wall mounted - rigid) | 2100139-TR-001 (UUT3) | Environmental Testing Lab (ETL) | 4/7/ 2021 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 16 | FTA1930AM250C (Base/wall mounted - rigid) | 2100139-TR-001 (UUT4) | Environmental Testing Lab (ETL) | 4/7/ 2021 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 17 | FTA3100S-AM05HH-TSA (Base/wall mounted - rigid) | 2101253-TR-001 (UUT17) | Environmental Testing Lab (ETL) | 11/16/ 2022 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 18 | FTA3130S-AM450B (Base/wall mounted - rigid) | 2101253-TR-001 (UUT18) | Environmental Testing Lab (ETL) | 11/17/ 2022 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 19 | FTA1000-AM400A-TSA (Base/wall mounted - rigid) | 2101253-TR-001 (UUT19) | Environmental Testing Lab (ETL) | 11/16/ 2022 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 20 | FTA990-M350B (Schneider CB) (Wall mounted - rigid) | 2101253-TR-001 (UUT20) | Environmental Testing Lab (ETL) | 11/16/ 2022 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 21 | FTA990-M05B (Schneider CB) (Wall mounted - rigid) | 2101253-TR-001 (UUT21) | Environmental Testing Lab (ETL) | 11/16/ 2022 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 22 | FTA990-M350B (3L3 CB) (Wall mounted - rigid) | 2101253-TR-001 (UUT22) | Environmental Testing Lab (ETL) | 11/16/ 2022 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| Notes: | | | | | | | | |

UNIT UNDER TEST (UUT) SUMMARY SHEET

2100139-CR-002-R3



| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | | | | | | | | |
|---|---|---------------------------|---------------------------------|-------------|-----------------------|-----------------|------------|----------------|
| Model Line: FTAXXX | | | | | | | | |
| UUT | Unit Description (Mounting) | Report Number (UUT#) | Testing Lab | Year Tested | ISO 17025 Accredited? | S _{DS} | z/h | I _P |
| 23 | FTA990-M05B (3L3 CB) (Wall mounted - rigid) | 2101253-TR-001 (UUT23) | Environmental Testing Lab (ETL) | 11/16/2022 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 24 | FTA570E-AA040B (Wall mounted - rigid) | 2101253-TR-001 (UUT24) | Environmental Testing Lab (ETL) | 11/16/2022 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 25 | FTA570F-AG002B (Wall mounted - rigid) | 2101253-TR-001 (UUT25) | Environmental Testing Lab (ETL) | 11/16/2022 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 26 | FTA1930AM30HH (Base/wall mounted - rigid) | 17770, Rev. 0 (UUT26) | Environmental Testing Lab (ETL) | 5/8/2025 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 27 | FTA1930AM350A (Base/wall mounted - rigid) | 17770, Rev. 0 (UUT27) | Environmental Testing Lab (ETL) | 5/8/2025 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 28 | FTA1930AM05A (Base/wall mounted - rigid) | 17770, Rev. 0 (UUT28) | Environmental Testing Lab (ETL) | 5/8/2025 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 29 | FTA1930AM400AZ (Base/wall mounted - rigid) | 17770, Rev. 0 (UUT29) | Environmental Testing Lab (ETL) | 5/8/2025 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| 30 | FTA1100-JL12N (Wall mounted - rigid) | 17770, Rev. 0 (UUT30) | Environmental Testing Lab (ETL) | 5/8/2025 | Yes | 2.0 3.2 | 1.0 0.0 | 1.5 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Notes: | | | | | | | | |

UNIT UNDER TEST (UUT) SUMMARY SHEET

2100139-CR-002-R3



| | |
|---|--------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | UUT 2 |
| Model Line: FTAXxx | |
| Model Number: FTA1930AM300C | |
| Serial Number: N/A | |
| Test Report: 13729 Rev.2 (UUT2) | |

| UUT Properties | | | | | | |
|----------------|----------------|-------|--------|-------------------------------|-----------|----------|
| Weight (lbs.) | Dimension (in) | | | Lowest Natural Frequency (Hz) | | |
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 453 | 18.0 | 36.0 | 68.0 | N/A | N/A | N/A |

| UUT Highest Passed Seismic Run Information | | | | | | | | |
|--|---------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------------|
| Building Code | Test Criteria | S _{DS} (g) | z/h | I _p | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2022 | ICC-ES AC156 | 2.0 | 1.0 | 1.5 | 3.20 | 2.40 | 2.13 | 0.85 |
| | | 3.2 | 0.0 | | | | | |

| Product Construction Summary: | | | Test Mounting Details: | |
|---|-----------------------|-------------------------------------|---|--|
| Painted 14 ga. Carbon Steel Enclosure (2BOX103B/2BOX203B) | | |  | |
| Options/Subcomponent Summary: | | | | |
| Description | Mfr. | Part Number |  <p>UUT2 was Base and Wall mounted - rigid. Base: Four (4) 7/16" Grade 5 bolts and washers. Wall: Two (2) 3/8" Grade 5 bolts and washers. Wall Bracket to Cabinet: Two (2) M10-1.5mm Grade 8.8 bolts and washers. Manufacturer provided two (2) top brackets (p/n: 885 ESMF1) Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.</p> | |
| Alarm Bell | Newsmart | 1NEW001 | | |
| Circuit Breaker | Siemens | MCP 400A | | |
| Contactors | Siemens | 3RT106 | | |
| Control Relay | Siemens | 3RH1122-1AB00 | | |
| Heater | DBK | HP06-2-15-240 | | |
| HMI | GTI Fire ¹ | 2VIZ001 | | |
| Humidistat | DBK | RFHSS-112 | | |
| I/O Board | GTI Fire ¹ | 2VIZ002/2VIZ102, 2VIZ005/2VIZ105 | | |
| Pressure Transducer | Telemecanique | XMLP600PPF13Q3 | | |
| Resistor | Huntington Vishay | ALSR5F-5-1.0-1% | | |
| Shunt Trip | Siemens | 3VL9400-1SC01 | | |
| Soft-Starter | Siemens | 3RW4075 | | |
| Solenoid Valve | Granzow | 1ASC024 | | |
| Surge Arrester | Square D | SDSA 3650 | | |
| Switches | Siemens | MCS 400A | | |
| Switch Contact Block | Siemens | 3SB3400-0B | | |
| Thermostat | DBK | FGT100 | | |
| Transformer | Marcus Transformer | MTC250-39 | | |
| | Transfab | EXS114340, ET5841 | | |
| Trip Module | GTI Fire ¹ | 2PLA048 | | |
| Notes: 1. GTI Fire Protection Systems Corp. dba Firetrol | | | | |

UNIT UNDER TEST (UUT) SUMMARY SHEET

2100139-CR-002-R3



| | |
|---|--------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | UUT 7 |
| Model Line: FTAXxx | |
| Model Number: FTA750-AD30H-TT + FTA976-AD150H-TT | |
| Serial Number: N/A | |
| Test Report: 13729 Rev.2 (UUT7) | |

| UUT Properties | | | | | | |
|----------------|----------------|-------|--------|-------------------------------|-----------|----------|
| Weight (lbs.) | Dimension (in) | | | Lowest Natural Frequency (Hz) | | |
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 140 | 8.0 | 40.0 | 24.0 | N/A | N/A | N/A |

| UUT Highest Passed Seismic Run Information | | | | | | | | |
|--|---------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------------|
| Building Code | Test Criteria | S _{DS} (g) | z/h | I _p | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2022 | ICC-ES AC156 | 2.0 | 1.0 | 1.5 | 3.20 | 2.40 | 2.13 | 0.85 |
| | | 3.2 | 0.0 | | | | | |

| | |
|--|-------------------------------|
| Product Construction Summary: Painted 16 ga. Carbon Steel Enclosure (2BOX08A x2) | Test Mounting Details: |
|--|-------------------------------|

| Options/Subcomponent Summary: | | |
|-------------------------------|-----------------------|-------------------------------------|
| Description | Mfr. | Part Number |
| Actuator Motor | Hiwin | LAS-2-1-100-24G |
| Battery | GTI Fire ¹ | 1VIZ001 |
| Circuit Breaker | Cutler Hammer | ED3150L |
| | Siemens | ED63B125 |
| Contactors | Telemecanique | LC1F115 |
| Control Relay | Siemens | 3RH1122-1AB00 |
| HMI | GTI Fire ¹ | 2VIZ001 |
| I/O Board | GTI Fire ¹ | 2VIZ002/2VIZ102, 2VIZ003/2VIZ103 |
| Pressure Transducer | Telemecanique | XMLP600PPF13Q3 |
| Resistor | Huntington Vishay | ALSR5F-5-1.0-1% |
| Surge Arrester | Square D | SDSA 3650 |
| Switches | GTI Fire ¹ | TSP150 |
| | Saia-Burgess | XGG6-88-P27Z1 |
| | Siemens | 3VL9400-2AB01, MCS 150A |
| Transformer | Transfab | ET5874, DL 8848FB, DL 9316SB |
| | | |
| | | |
| | | |



UUT7 wall mounted - rigid using four (4) 1/4" Grade 8 bolts and washers
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

Notes: 1. GTI Fire Protection Systems Corp. dba Firetrol

UNIT UNDER TEST (UUT) SUMMARY SHEET

2100139-CR-002-R3



| | |
|---|--------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | UUT 9 |
| Model Line: FTAXxx | |
| Model Number: FTA1800AM400C + FTA950AM400C | |
| Serial Number: N/A | |
| Test Report: JID 15-01258 (UUT9) | |

| UUT Properties | | | | | | |
|----------------|----------------|-------|--------|-------------------------------|-----------|----------|
| Weight (lbs.) | Dimension (in) | | | Lowest Natural Frequency (Hz) | | |
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 1,003 | 18.0 | 72.0 | 68.0 | N/A | N/A | N/A |

| UUT Highest Passed Seismic Run Information | | | | | | | | |
|--|---------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------------|
| Building Code | Test Criteria | S _{DS} (g) | z/h | I _p | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2022 | ICC-ES AC156 | 2.0 | 1.0 | 1.5 | 3.20 | 2.40 | 2.13 | 0.85 |
| | | 3.2 | 0.0 | | | | | |

| Product Construction Summary: | | | Test Mounting Details: | | | | | |
|---|-----------------------|---|--|--|--|--|--|--|
| Painted 14 ga. Stainless Steel Enclosure (2BOX103G/2BOX203G) | | |  | | | | | |
| Options/Subcomponent Summary: | | | | | | | | |
| Description | Mfr. | Part Number |  <p>UUT 9 was Base and Wall mounted - rigid Base: Four (4) 7/16" Grade 5 bolts and lock washers Wall: Two (2) 3/8" Grade 5 bolts and lock washers Wall Bracket to Cabinet: Two (2) M10-1.5mm Grade 8.8 bolts and washers. Manufacturer provided two (2) top brackets (p/n: 885 ESMF1) Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.</p> | | | | | |
| Alarm Bell | Newsmart | 1NEW001 | | | | | | |
| Contactors | Siemens | 3RT106, 3RT107, 3RH1921-1FA22 | | | | | | |
| Control Relay | Siemens | 3RH1122-1AB00 | | | | | | |
| Fan | Orion | 0A172SAP-11-1TB | | | | | | |
| HMI | GTI Fire ¹ | VZASS0002 | | | | | | |
| I/O Board | GTI Fire ¹ | 2VIZ002/2VIZ102, 2VIZ003/2VIZ103, 2VIZ005/2VIZ105 | | | | | | |
| Pressure Transducer | Telemecanique | XMLP600PPF13Q3 | | | | | | |
| Resistor | Huntington Vishay | ALSR5F-5-1.0-1% | | | | | | |
| | I-Gard Corp. | TR-600-75 | | | | | | |
| Shunt Trip | Siemens | S17JLD6 | | | | | | |
| Solenoid Valve | Granzow | 1ASC024 | | | | | | |
| Switches | GTI Fire ¹ | TSP150 | | | | | | |
| | Saia-Burgess | XGG6-88-P27Z1 | | | | | | |
| | Siemens | MCS 600A, A01JLD64 | | | | | | |
| Switch Contact Block | Siemens | 3SB3400-0B | | | | | | |
| Transformer | Rex Mfg. | RS75J | | | | | | |
| | Transfab | EXS114340, ET5841, DL 8849QB, DL 8882QB | | | | | | |
| Notes: 1. GTI Fire Protection Systems Corp. dba Firetrol | | | | | | | | |

UNIT UNDER TEST (UUT) SUMMARY SHEET

2100139-CR-002-R3



| | |
|---|---------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | UUT 11 |
| Model Line: FTAXxx | |
| Model Number: FTA1000AM60C + FTA950AM60C | |
| Serial Number: N/A | |
| Test Report: 14599 Rev.1 (UUT11) | |

| UUT Properties | | | | | | |
|----------------|----------------|-------|--------|-------------------------------|-----------|----------|
| Weight (lbs.) | Dimension (in) | | | Lowest Natural Frequency (Hz) | | |
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 229 | 12.0 | 36.0 | 48.0 | N/A | N/A | N/A |

| UUT Highest Passed Seismic Run Information | | | | | | | | |
|--|---------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------------|
| Building Code | Test Criteria | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2022 | ICC-ES AC156 | 2.0 | 1.0 | 1.5 | 3.20 | 2.40 | 2.13 | 0.85 |
| | | 3.2 | 0.0 | | | | | |

| | |
|--|-------------------------------|
| Product Construction Summary: Painted 16 ga. Stainless Steel Enclosure (2BOX101C/2BOX201C) | Test Mounting Details: |
|--|-------------------------------|

| Options/Subcomponent Summary: | | |
|-------------------------------|-----------------------|-------------------------------------|
| Description | Mfr. | Part Number |
| 3-Way Valve | Granzow | 1ASC028 |
| Alarm Bell | Newsmart | 1NEW002 |
| Auxiliary Contact | Socomec | 1SOC011 |
| Circuit Breaker | Schneider | HJL36150M74 |
| Contactor | Schneider | LC1D25 |
| | Siemens | 3RT1016-1BB41, 3RA1912-2H |
| Contactor Replacement Parts | Siemens | 3RT202 |
| HMI | GTI Fire ¹ | VZASS0002 |
| I/O Board | GTI Fire ¹ | 2VIZ002/2VIZ102, 2VIZ003/2VIZ103 |
| Switches | Schneider | HGL36000S15 |
| | Socomec | 97233010, TSWTOR100 |
| Transformer | Transfab | DL 150VA 380/400/ 415-240V |
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UUT11 was Base and Wall mounted - rigid.
 Base: Four (4) 7/16" Grade 5 bolts and washers
 Wall: Two (2) 3/8" Grade 5 bolts and washers
 Wall Bracket to Cabinet: Two (2) M10-1.5mm Grade 8.8 bolts and washers. Manufacturer provided two (2) top brackets (p/n: 885 ESMF1)
 Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

Notes: 1. GTI Fire Protection Systems Corp. dba Firetrol

UNIT UNDER TEST (UUT) SUMMARY SHEET

2100139-CR-002-R3



| | | |
|-----------------------|--|---------------------|
| Manufacturer: | GTI Fire Protection Systems Corp. dba Firetrol | UUT 12 |
| Model Line: | FTAxxx | |
| Model Number: | FTA1005AM400C + FTA950AM400C | |
| Serial Number: | N/A | |
| Test Report: | | 14599 Rev.1 (UUT12) |

| UUT Properties | | | | | | |
|----------------|----------------|-------|--------|-------------------------------|-----------|----------|
| Weight (lbs.) | Dimension (in) | | | Lowest Natural Frequency (Hz) | | |
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 955 | 18.0 | 72.0 | 68.0 | N/A | N/A | N/A |

| UUT Highest Passed Seismic Run Information | | | | | | | | |
|--|---------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------------|
| Building Code | Test Criteria | S _{DS} (g) | z/h | I _p | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2022 | ICC-ES AC156 | 2.0 | 1.0 | 1.5 | 3.20 | 2.40 | 2.13 | 0.85 |
| | | 3.2 | 0.0 | | | | | |

| | |
|--|-------------------------------|
| Product Construction Summary: Painted 16 ga. Stainless Steel Enclosure (2BOX103G/2BOX203G) | Test Mounting Details: |
|--|-------------------------------|

| Options/Subcomponent Summary: | | |
|-------------------------------|-----------------------|-------------------------------------|
| Description | Mfr. | Part Number |
| 3-Way Valve | Granzow | 1ASC031 |
| Auxiliary Contact | Socomec | 1SOC011 |
| Circuit Breaker | Schneider | PJL36080M68 |
| Contactor | Schneider | LC1F800 |
| | Siemens | 3RT1016-1BB41, 3RA1912-2H |
| Contactor Replacement Parts | Siemens | 3RT203 |
| HMI | GTI Fire ¹ | VZASS0002 |
| I/O Board | GTI Fire ¹ | 2VIZ002/2VIZ102, 2VIZ003/2VIZ103 |
| Switches | Schneider | PJL36000S80 |
| | Socomec | 97233080, TSWTOR800 |
| Transformer | Transfab | DL 200VA 600-240V |
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UUT12 was Base and Wall mounted - rigid.
 Base: Four (4) 7/16" Grade 5 bolts and washers
 Wall: Two (2) 3/8" Grade 5 bolts and washers
 Wall Bracket to Cabinet: Two (2) M10-1.5mm Grade 8.8 bolts and washers. Manufacturer provided two (2) top brackets (p/n: 885 ESMF1)
 Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

Notes: 1. GTI Fire Protection Systems Corp. dba Firetrol

UNIT UNDER TEST (UUT) SUMMARY SHEET

2100139-CR-002-R3



| | | |
|-----------------------|--|-----------------------|
| Manufacturer: | GTI Fire Protection Systems Corp. dba Firetrol | UUT 13 |
| Model Line: | FTAxxx | |
| Model Number: | FTA1930AM5C | |
| Serial Number: | N/A | |
| Test Report: | | 2100139-TR-001 (UUT1) |

| UUT Properties | | | | | | |
|----------------|----------------|-------|--------|-------------------------------|-----------|----------|
| Weight (lbs.) | Dimension (in) | | | Lowest Natural Frequency (Hz) | | |
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 158 | 12.0 | 26.0 | 48.0 | N/A | N/A | N/A |

| UUT Highest Passed Seismic Run Information | | | | | | | | |
|--|---------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------------|
| Building Code | Test Criteria | S _{DS} (g) | z/h | I _p | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2022 | ICC-ES AC156 | 2.0 | 1.0 | 1.5 | 3.20 | 2.40 | 2.13 | 0.85 |
| | | 3.2 | 0.0 | | | | | |

| Product Construction Summary: | Test Mounting Details: |
|---|---|
| Painted 16 ga. Carbon Steel Enclosure (2BOX101B/2BOX201B) |  |

| Options/Subcomponent Summary: | | |
|-------------------------------|-----------------------|------------------|
| Description | Mfr. | Part Number |
| Alarm Bell | Newsmart | 1NEW001 |
| Circuit Breaker | Schneider | HJL36050M72 |
| Contactors | Schneider | LC1D40 |
| Control Relay | Siemens | 3RH1122-1AB00 |
| HMI | GTI Fire ¹ | VZASS0002 |
| I/O Board | GTI Fire ¹ | 2VIZ002/2VIZ102 |
| Pressure Transducer | Telemecanique | XMLP600PPF13Q3 |
| Resistor | Huntington Vishay | ALSR5F-5-1.0-1% |
| Soft-Starter | Schneider | ATS22D17S6U |
| Solenoid Valve | Granzow | 1ASC024 |
| Surge Arrester | Citel | DS44US-480D |
| Switches | Schneider | HGL36000S15 |
| Switch Contact Block | Siemens | 3SB2400-0B |
| Transformer | Marcus Transformer | MTC250-39 |
| | Transfab | ET5874, DL8882QB |

UUT13 was Base and Wall mounted - rigid.
 Base: Four (4) 7/16" Grade 5 bolts and washers
 Wall: Two (2) 3/8" Grade 5 bolts and washers
 Wall Bracket to Cabinet: Two (2) M10-1.5mm Grade 8.8 bolts and washers. Manufacturer provided two (2) top brackets (p/n: 885 ESMF1)
 Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

Notes: 1. GTI Fire Protection Systems Corp. dba Firetrol

UNIT UNDER TEST (UUT) SUMMARY SHEET

2100139-CR-002-R3



| | |
|---|---------------|
| Manufacturer: GTI Fire Protection Systems Corp. dba Firetrol | UUT 15 |
| Model Line: FTAXxx | |
| Model Number: FTA1930AM5C | |
| Serial Number: N/A | |
| Test Report: 2100139-TR-001 (UUT3) | |

| UUT Properties | | | | | | |
|----------------|----------------|-------|--------|-------------------------------|-----------|----------|
| Weight (lbs.) | Dimension (in) | | | Lowest Natural Frequency (Hz) | | |
| | Depth | Width | Height | Front-Back | Side-Side | Vertical |
| 153 | 12.0 | 26.0 | 48.0 | N/A | N/A | N/A |

| UUT Highest Passed Seismic Run Information | | | | | | | | |
|--|---------------|---------------------|-----|----------------|------------------------|------------------------|------------------------|------------------------|
| Building Code | Test Criteria | S _{DS} (g) | z/h | I _p | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2022 | ICC-ES AC156 | 2.0 | 1.0 | 1.5 | 3.20 | 2.40 | 2.13 | 0.85 |
| | | 3.2 | 0.0 | | | | | |

| Product Construction Summary: | | | Test Mounting Details: | | |
|---|-----------------------|------------------|------------------------|--|--|
| Painted 16 ga. Carbon Steel Enclosure (2BOX101B/2BOX201B) | | | | | |
| Options/Subcomponent Summary: | | | | | |
| Description | Mfr. | Part Number | | | |
| Alarm Bell | Newsmart | 1NEW001 | | | |
| Circuit Breaker | Schneider | HJL36050M72 | | | |
| Contactors | Schneider | LC1D40 | | | |
| Control Relay | Siemens | 3RH1122-1AB00 | | | |
| HMI | GTI Fire ¹ | VZASS0002 | | | |
| I/O Board | GTI Fire ¹ | 2VIZ002/2VIZ102 | | | |
| Pressure Transducer | Telemecanique | XMLP600PPF13Q3 | | | |
| Resistor | Huntington Vishay | ALSR5F-5-1.0-1% | | | |
| Soft-Starter | Lovato | ADXL 0030 600 | | | |
| Solenoid Valve | Granzow | 1ASC024 | | | |
| Surge Arrester | Citel | DS44US-480D | | | |
| Switches | Schneider | HGL36000S15 | | | |
| Switch Contact Block | Siemens | 3SB3400-0B | | | |
| Transformer | Marcus Transformer | MTC250-39 | | | |
| | Transfab | ET5874, DL8882QB | | | |

Notes: 1. GTI Fire Protection Systems Corp. dba Firetrol

UUT15 was Base and Wall mounted - rigid.
 Base: Four (4) 7/16" Grade 5 bolts and washers
 Wall: Two (2) 3/8" Grade 5 bolts and washers
 Wall Bracket to Cabinet: Two (2) M10-1.5mm Grade 8.8 bolts and washers. Manufacturer provided two (2) top brackets (p/n: 885 ESMF1)
 Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

