

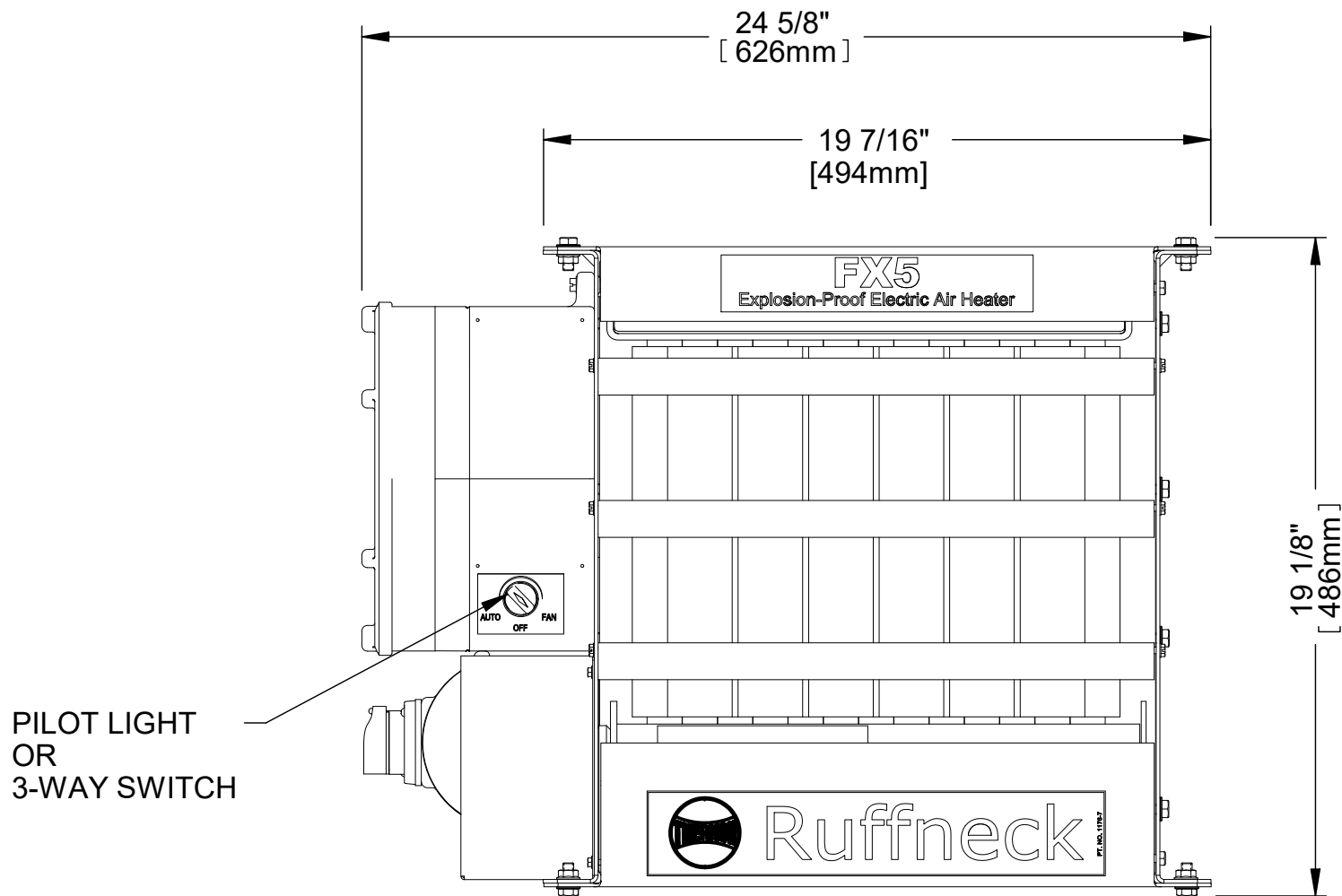
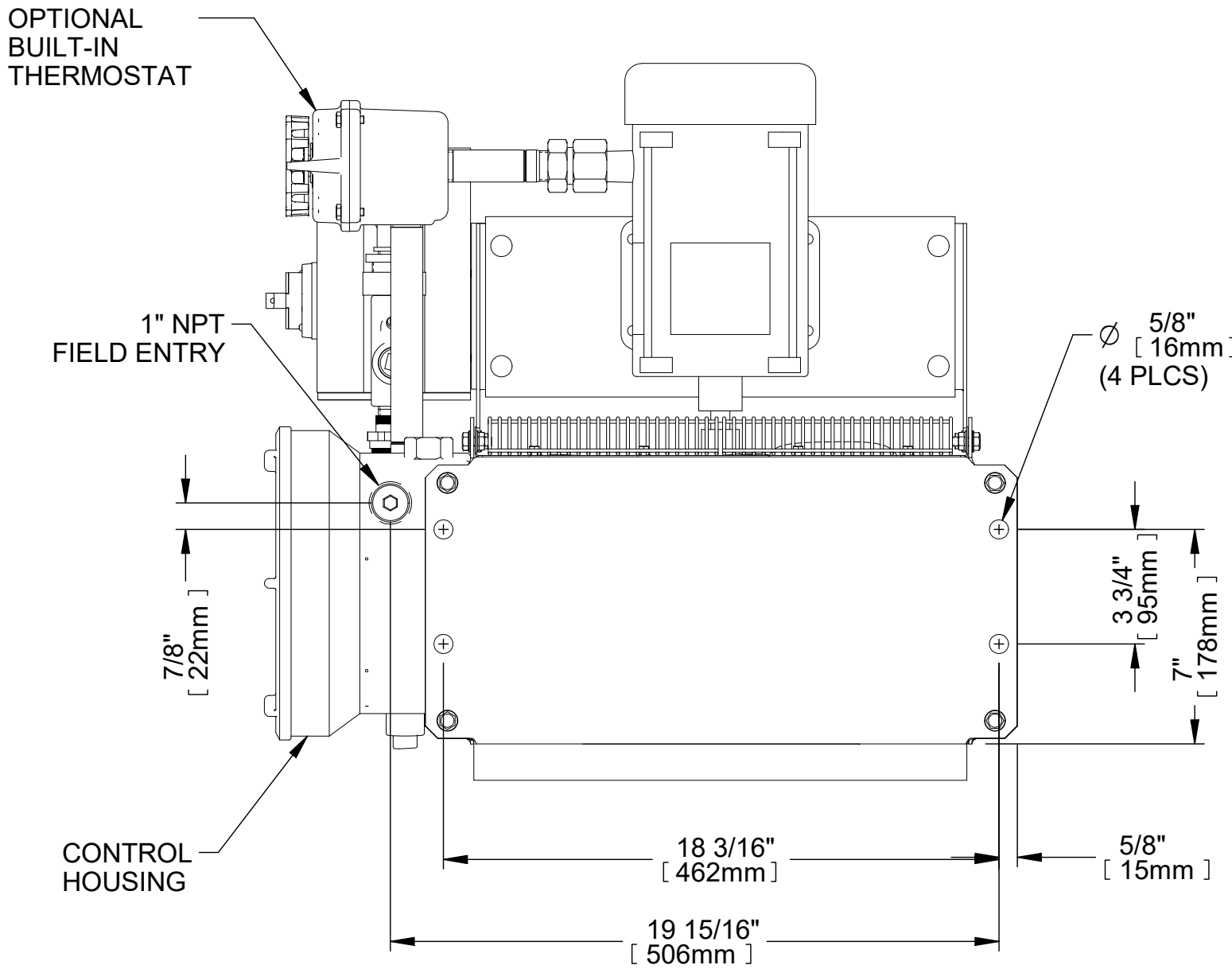
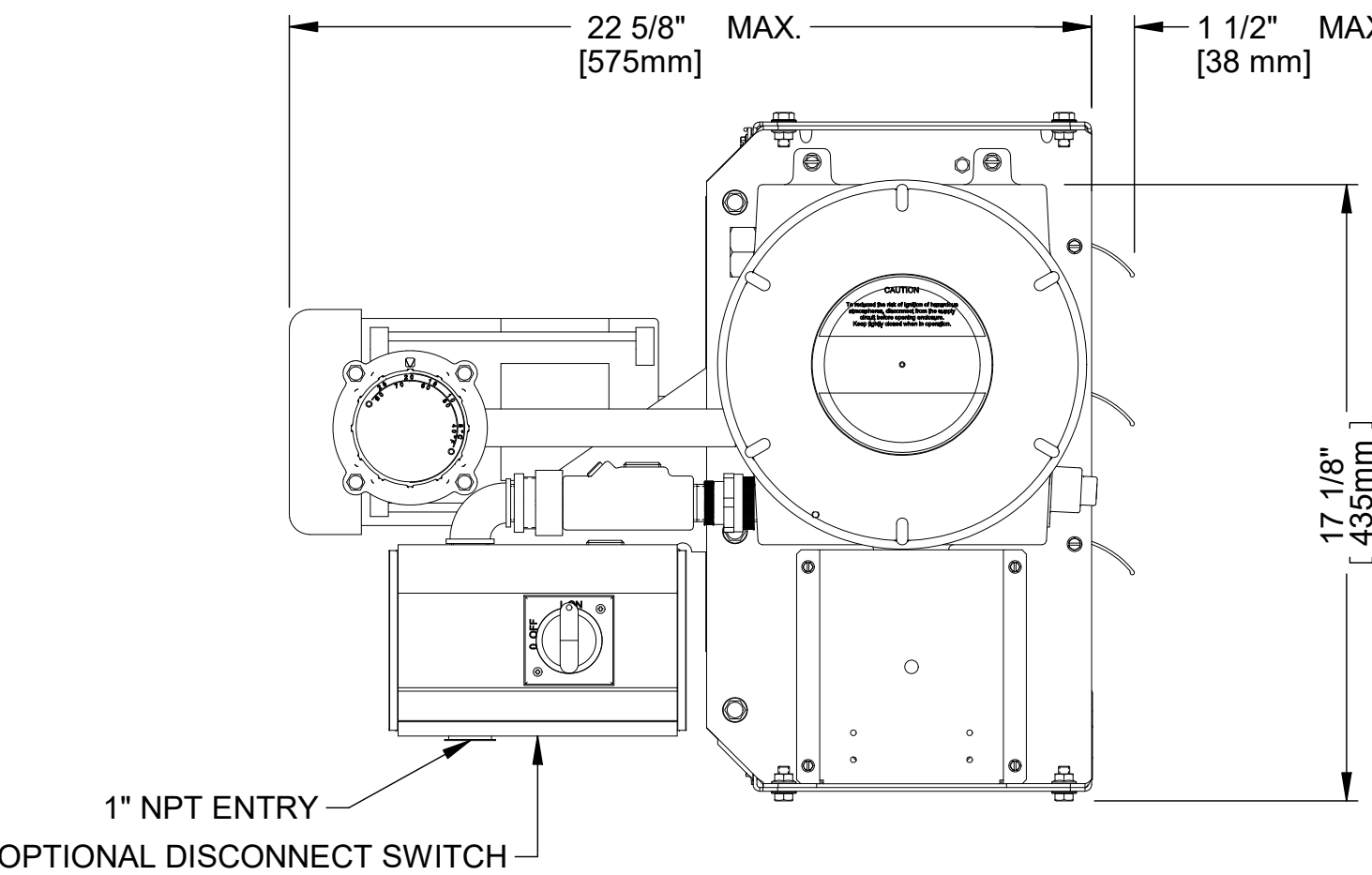
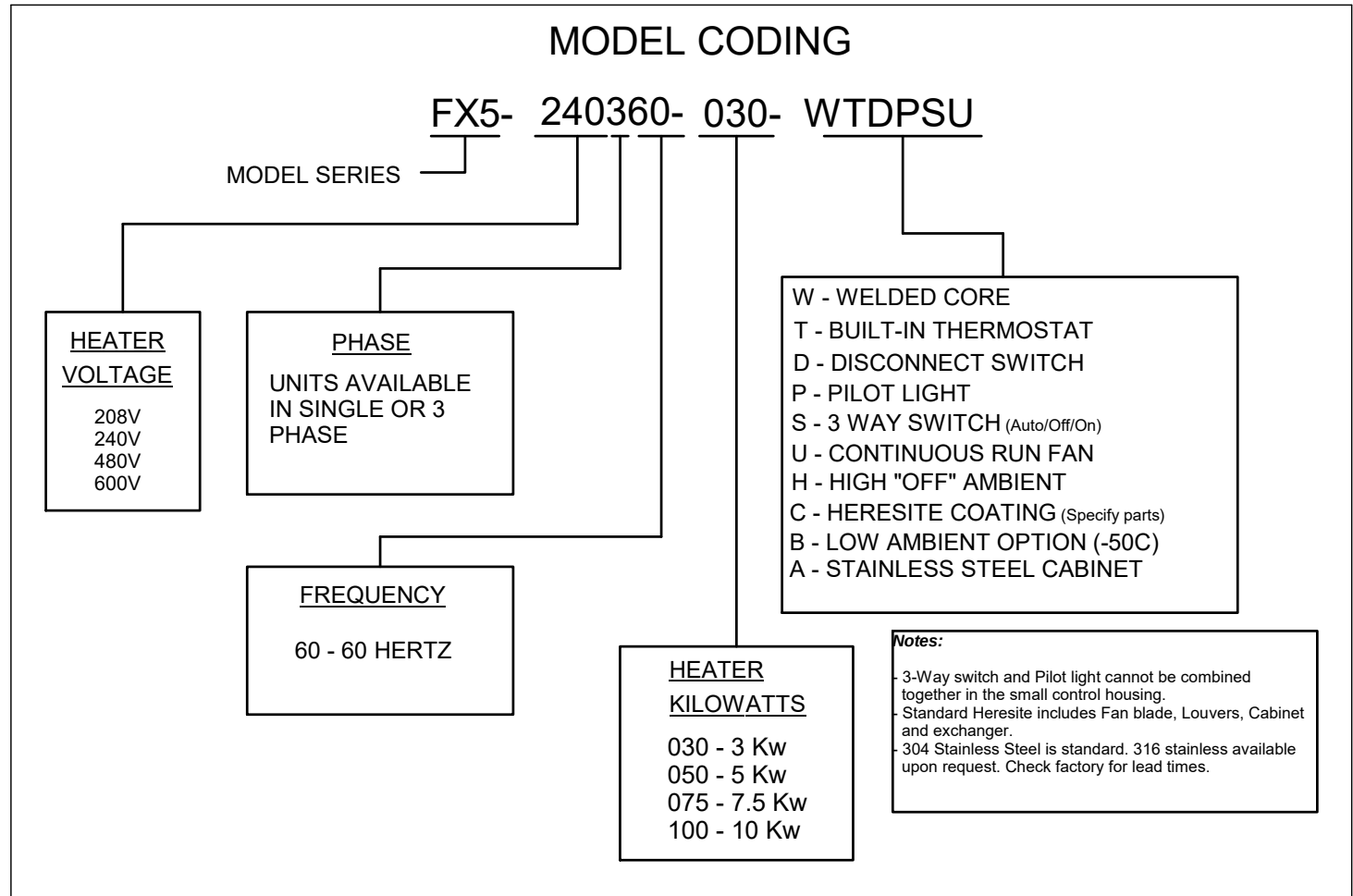
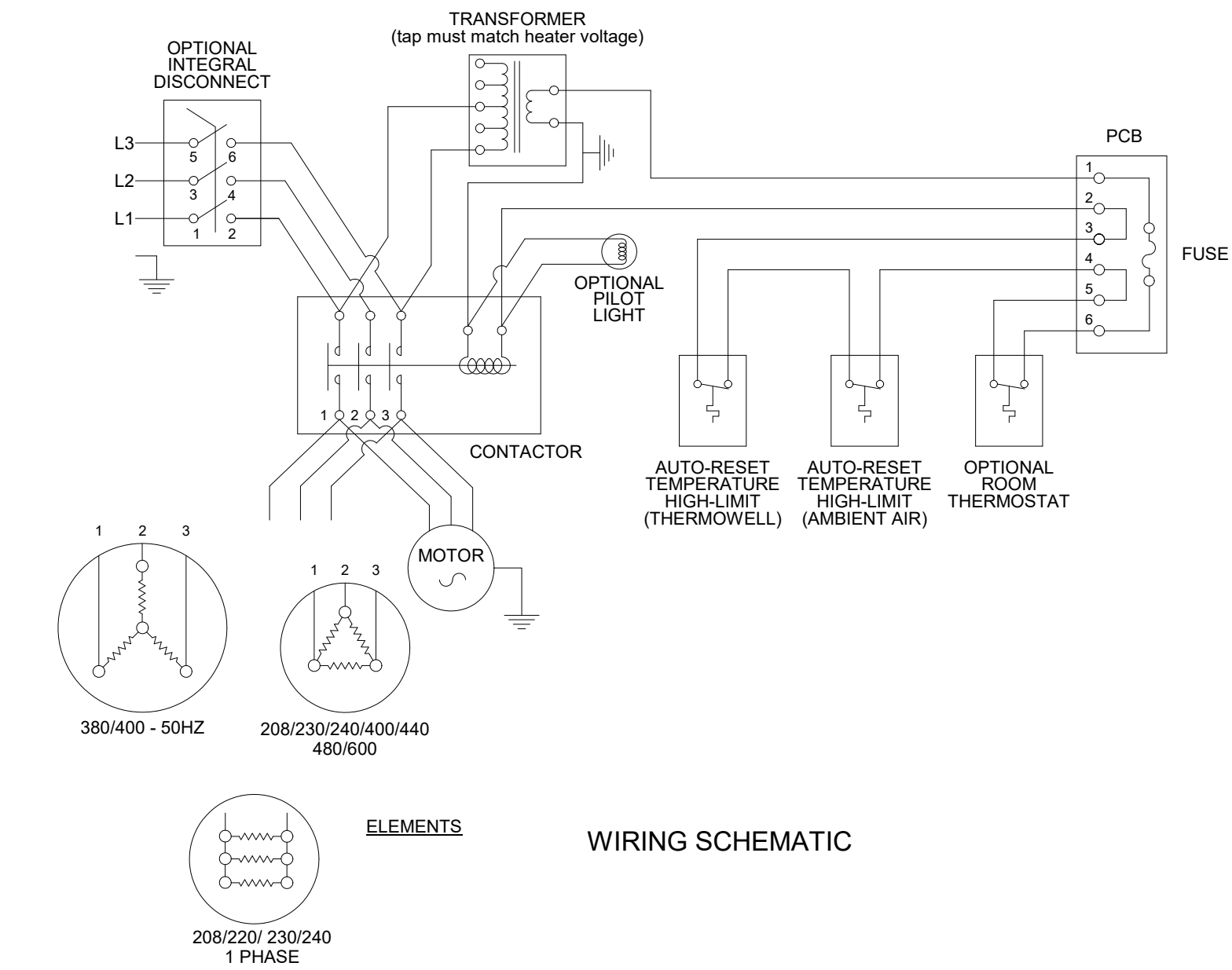


TABLE 1 - SPECIFICATIONS

KW (BTU/HR)	VOLT	PH	TOTAL CURRENT	MIN. CIRCUIT	MAX. FUSE	MIN. WIRE SIZE	BASIC MODEL	BUILT-IN THERMOSTAT	3-WAY SWITCH	PILOT LIGHT	DISCONNECT SWITCH	CONTINUOUS FAN
3 (10236)	208	1	14.4	18.0	20	12	FX5-208160-030	☐	☐	☐	☐	☐
		3	8.3	10.4	15	14	FX5-208360-030	☐	☐	☐	☐	☐
	240	1	12.5	15.6	20	12	FX5-240160-030	☐	☐	☐	☐	☐
		3	7.2	9.0	15	14	FX5-240360-030	☐	☐	☐	☐	☐
	480	1	6.3	7.9	15	14.0	FX5-480160-030	☐	☐	☐	☐	☐
		3	3.6	4.5	15	14	FX5-480360-030	☐	☐	☐	☐	☐
5 (17060)	208	1	24.0	30.0	30	10	FX5-208160-050	☐	☐	☐	☐	☐
		3	13.9	17.4	20	14	FX5-208360-050	☐	☐	☐	☐	☐
	240	1	20.8	26.0	30	10	FX5-240160-050	☐	☐	☐	☐	☐
		3	12.0	15.0	15	14	FX5-240360-050	☐	☐	☐	☐	☐
	480	1	10.4	13.0	15	14	FX5-480160-050	☐	☐	☐	☐	☐
		3	6.0	7.5	15	14	FX5-480360-050	☐	☐	☐	☐	☐
7.5 (25591)	208	1	36.1	45.1	50	6	FX5-208160-075	☐	☐	☐	☐	☐
		3	20.8	26.0	30	10	FX5-208360-075	☐	☐	☐	☐	☐
	240	1	31.3	39.1	40	8	FX5-240160-075	☐	☐	☐	☐	☐
		3	18.0	22.5	25	10	FX5-240360-075	☐	☐	☐	☐	☐
	480	1	15.6	19.5	20	12	FX5-480160-075	☐	☐	☐	☐	☐
		3	9.0	11.3	15	14	FX5-480360-075	☐	☐	☐	☐	☐
10 (34121)	208	1	48.1	60.1	70	4	FX5-208160-100	☐	☐	☐	N/A	☐
		3	27.8	34.8	35	8	FX5-208360-100	☐	☐	☐	☐	☐
	240	1	41.7	52.1	60	6	FX5-240160-100	☐	☐	☐	☐	☐
		3	24.1	30.1	35	8	FX5-240360-100	☐	☐	☐	☐	☐
	480	1	20.8	26.0	30	10	FX5-480160-100	☐	☐	☐	☐	☐
		3	12.0	15.0	15	14	FX5-480360-100	☐	☐	☐	☐	☐
600	3	1	9.6	12.0	15	14	FX5-600360-100	☐	☐	☐	☐	☐
		3	9.6	12.0	15	14	FX5-600360-100	☐	☐	☐	☐	☐

NOTES:

1. NET WEIGHT:

WITHOUT DISCONNECT: 65 KG [143 LBS]
WITH DISCONNECT: 71 KG [156 LBS]

2. SHIPPING WEIGHT:

WITHOUT DISCONNECT: 90 KG [197 LBS]
WITH DISCONNECT: 95 KG [209 LBS]

3. MAX. OPERATING AMBIENT TEMP:

40°C [104°F]

4. HAZARDOUS LOCATION CLASSIFICATION:

cULus LISTED FOR THE FOLLOWING LOCATIONS:
CLASS I, DIVISION 1 & 2, GROUPS C & D
CLASS II, DIVISION 1, GROUPS E, F, & G
CLASS II, DIVISION2, GROUPS F & G
CLASS I, ZONES 1 & 2, GROUPS IIA & IIB

TEMPERATURE CODE:

T3B 165°C [329°F]

5. AIR DELIVERY:

FOR 3 kW and 5 kW UNITS:
500 CFM @ 70°F (NOMINAL)
850 m³/hr @ 21°C (NOMINAL)
FOR 7.5 kW and 10 kW UNITS:
850 CFM @ 70°F (NOMINAL)
1,444 m³/hr @ 21°C (NOMINAL)

6. MATERIALS:

CABINET: 12 GA. STEEL PANELS
EPOXY POWDER COATED RUFFNECK
GREEN (STANDARD).
SEE MODEL CODING CHART FOR OPTIONS.
CORE: STEEL WITH INTEGRAL ALUMINUM FINS
(STANDARD).
SEE MODEL CODING CHART FOR OPTIONS.

REV.		REVISION DESCRIPTION				DATE		BY	
TITLE: APPROVAL DATA SHEET - RUFFNECK FX5 (3.0 - 10.0 kW)									
DWG NO.: 51746-D			SHEET:		TOLERANCE UNLESS NOTED OTHERWISE				
SYTLINE NO.: 51746			SCALE: NONE		± 1/2" ANGULAR	± 0.005" DECIMAL	± 1/16" FRACTIONAL	± 1 mm METRIC	
DRN BY: pknight		12 AUG 2016							
CHK'D BY: LB									
APP'D. BY: LB									

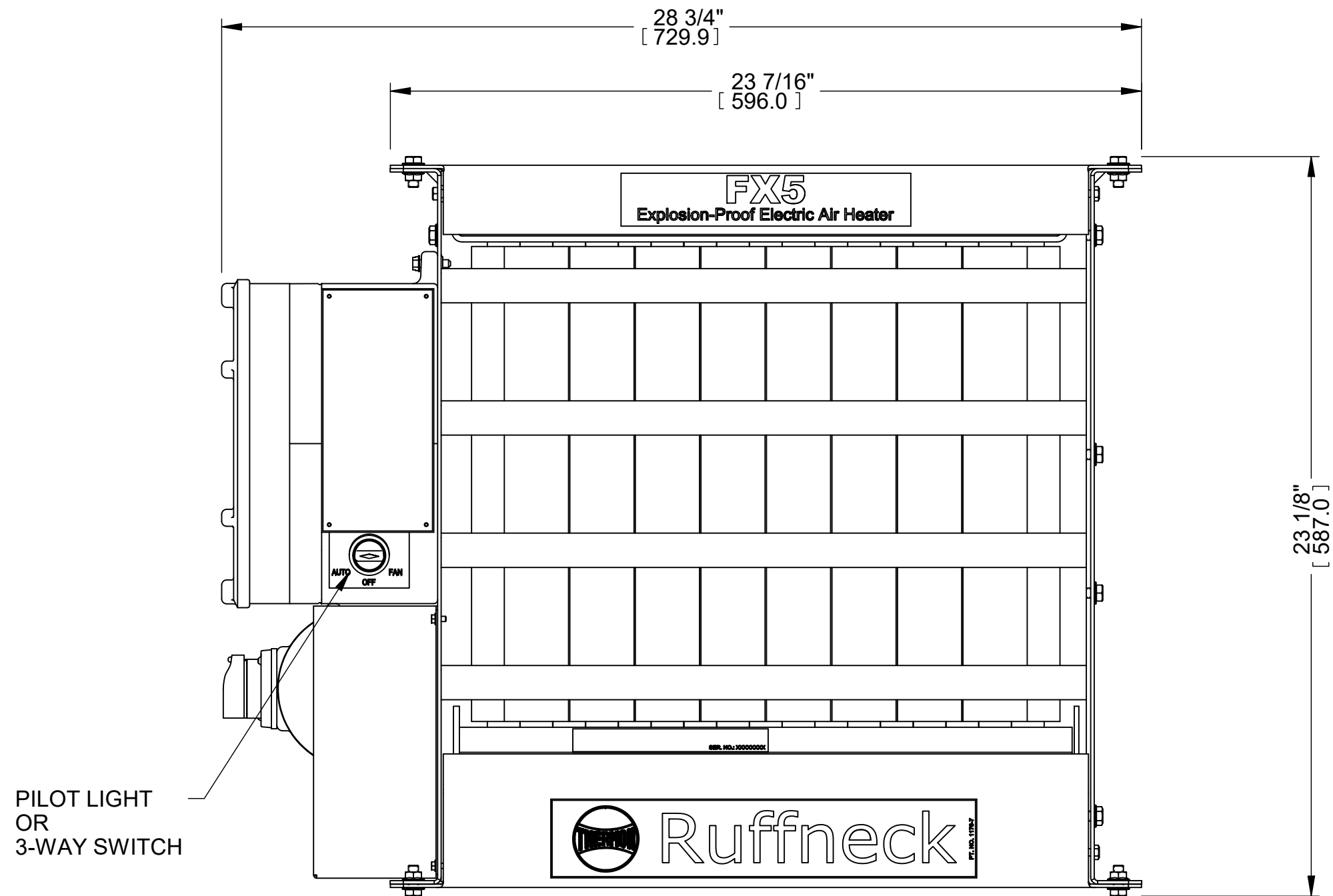
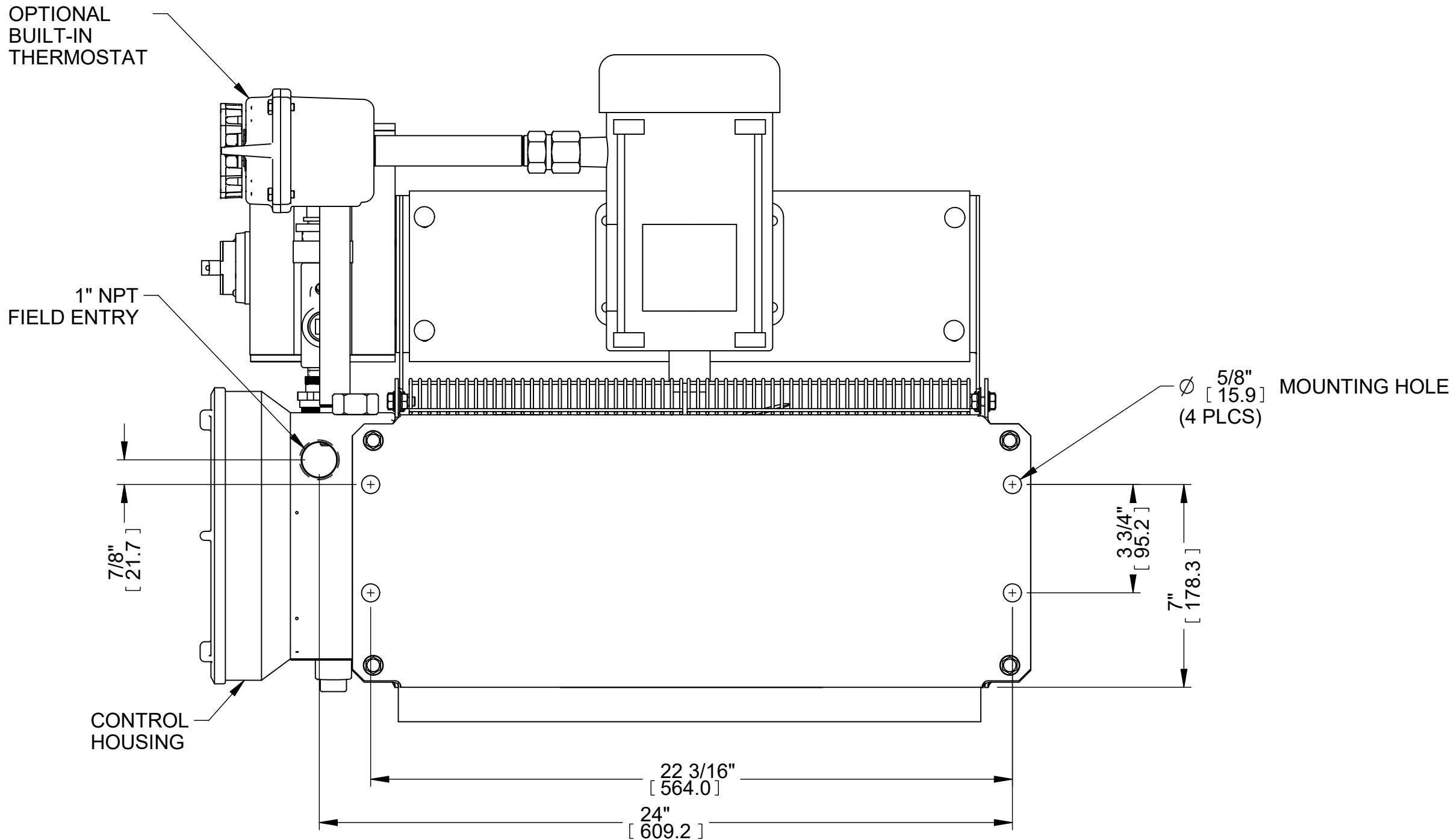
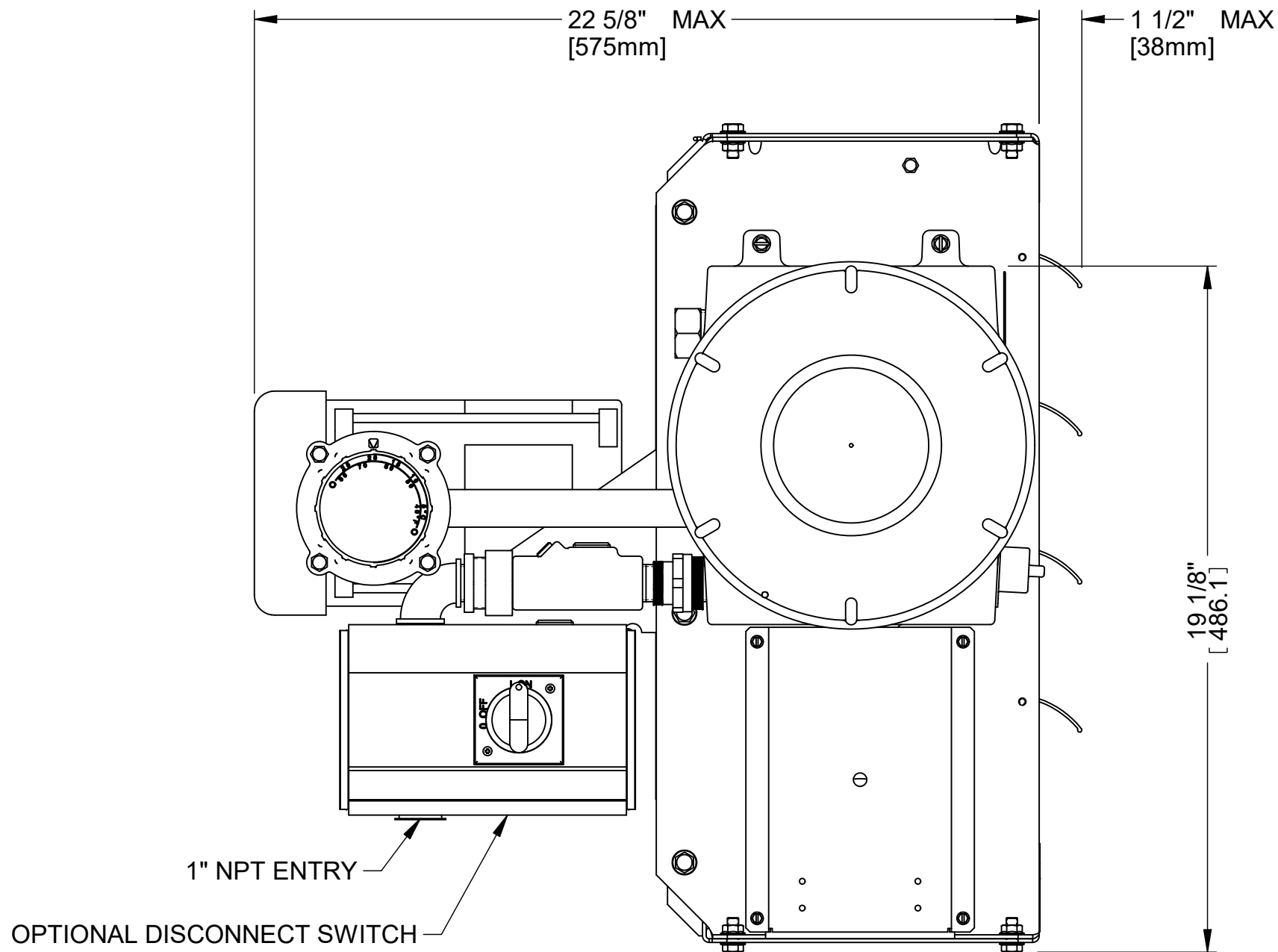
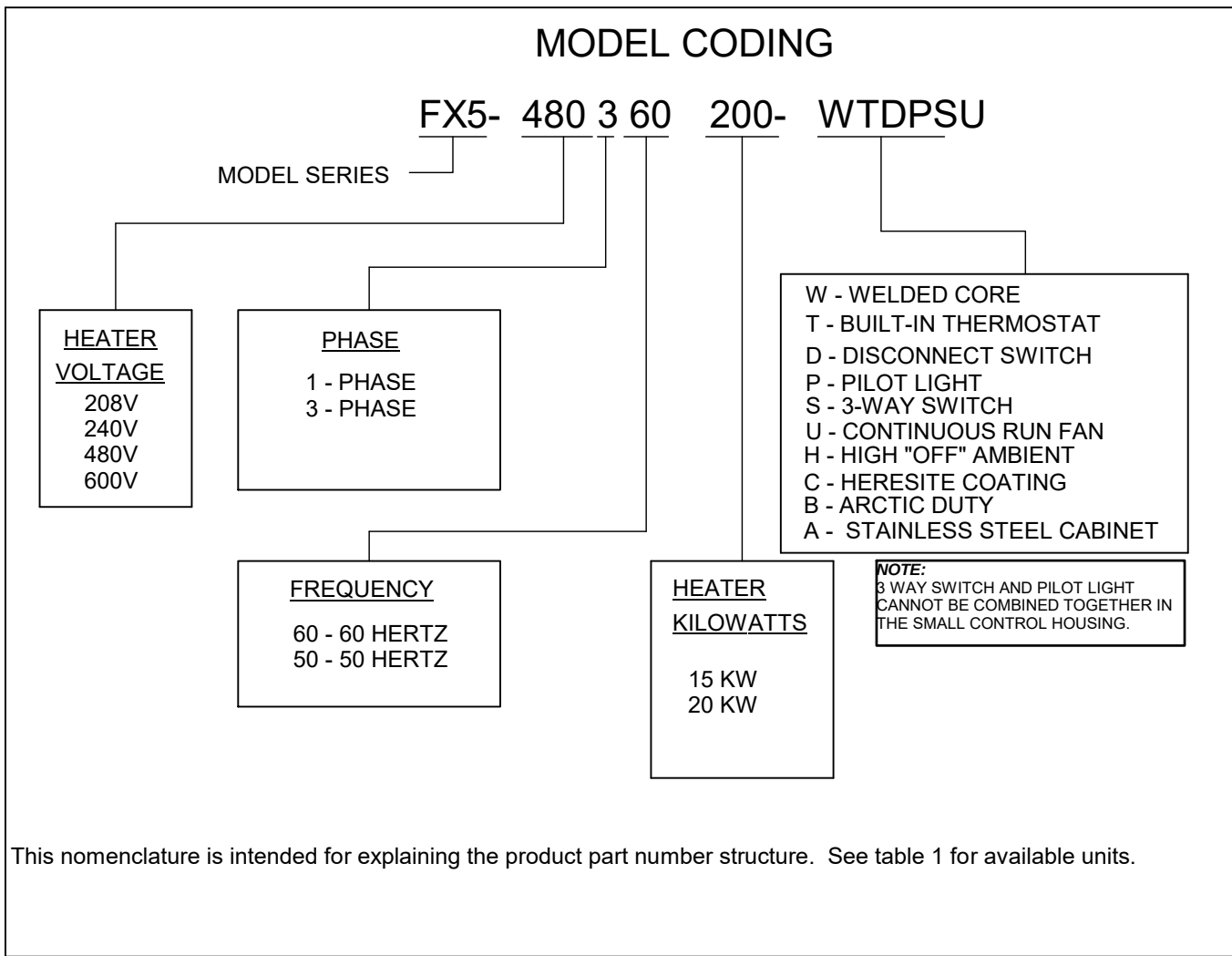
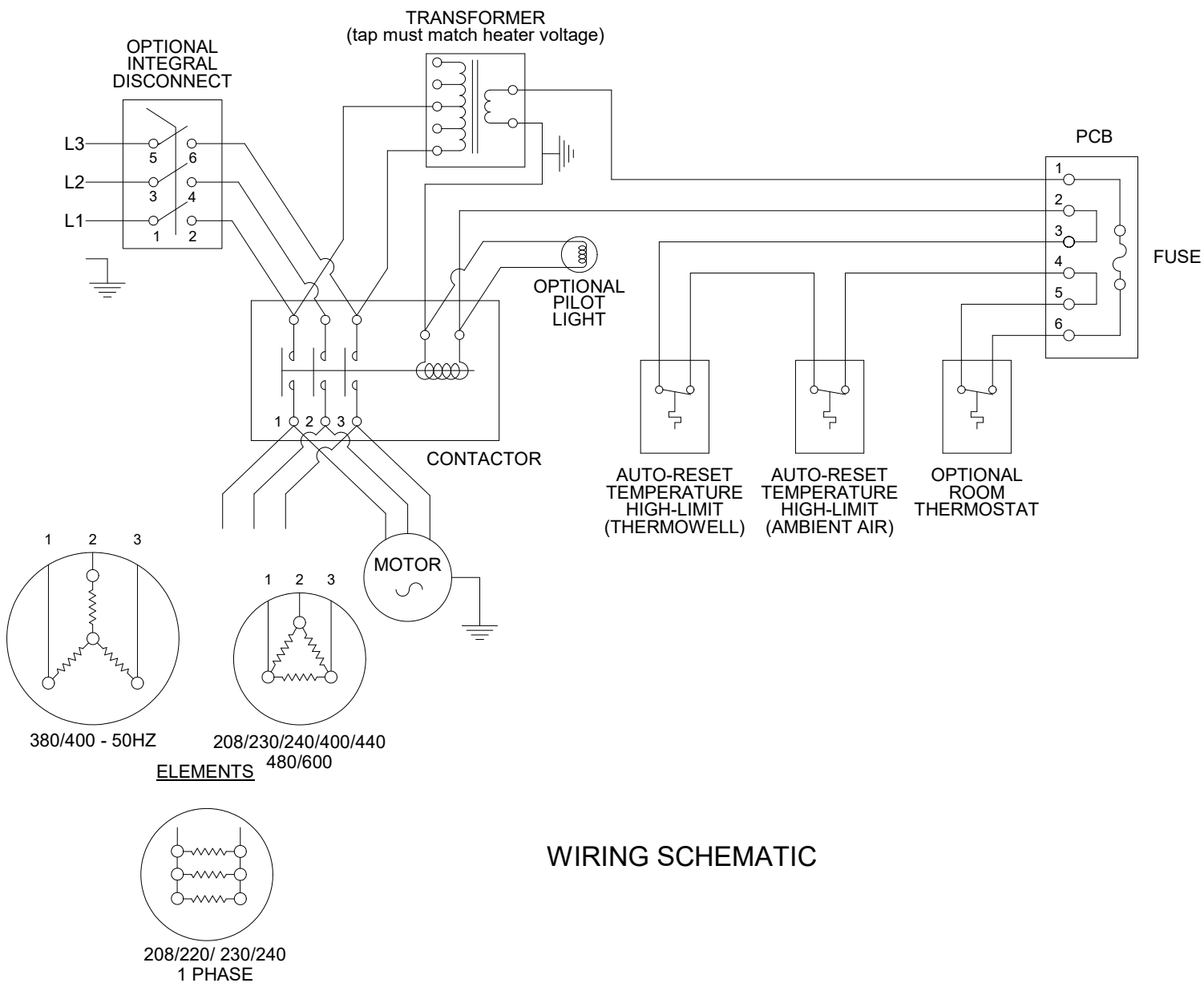


TABLE 1 - SPECIFICATIONS

KW (BTU/HR)	VOLT	PH	TOTAL CURRENT	MIN. CIRCUIT	MAX. FUSE	WIRE SIZE	BASIC MODEL	BUILT-IN THERMOSTAT	DISCONNECT SWITCH	PILOT LIGHT	3-WAY SWITCH	CONTINUOUS FAN
15 (51225)	208	3	41.6	52	60	6	FX5-208360-150	☐	☐	☐	☐	☐
	240	1	62.5	78.1	80	2	FX5-240160-150	☐	N/A	☐	☐	☐
	240	3	36.1	45.1	50	6	FX5-240360-150	☐	☐	☐	☐	☐
	480	3	18.0	22.5	25	10	FX5-480360-150	☐	☐	☐	☐	☐
20 (68300)	600	3	14.4	18.0	20	12	FX5-600360-150	☐	☐	☐	☐	☐
	480	1	41.7	52.1	60	6	FX5-480160-200	☐	☐	☐	☐	☐
		3	24.1	30.1	35	8	FX5-480360-200	☐	☐	☐	☐	☐
	600	3	19.2	24.0	25	10	FX5-600360-200	☐	☐	☐	☐	☐

NOTES:

1. NET WEIGHT:
WITHOUT DISCONNECT: 78 KG [172 LBS]
WITH DISCONNECT: 84 KG [185 LBS]

2. SHIPPING WEIGHT:
WITHOUT DISCONNECT: 101 KG [222 LBS]
WITH DISCONNECT: 106 KG [233 LBS]

3. MAX. OPERATING AMBIENT TEMP:
40°C [104°F]

4. HAZARDOUS LOCATION CLASSIFICATION:
cULus LISTED FOR THE FOLLOWING LOCATIONS:
CLASS I, DIVISION 1 & 2, GROUPS C & D
CLASS II, DIVISION 1, GROUPS E, F, & G
CLASS II, DIVISION2, GROUPS F & G
CLASS I, ZONES 1 & 2, GROUPS IIA & IIB

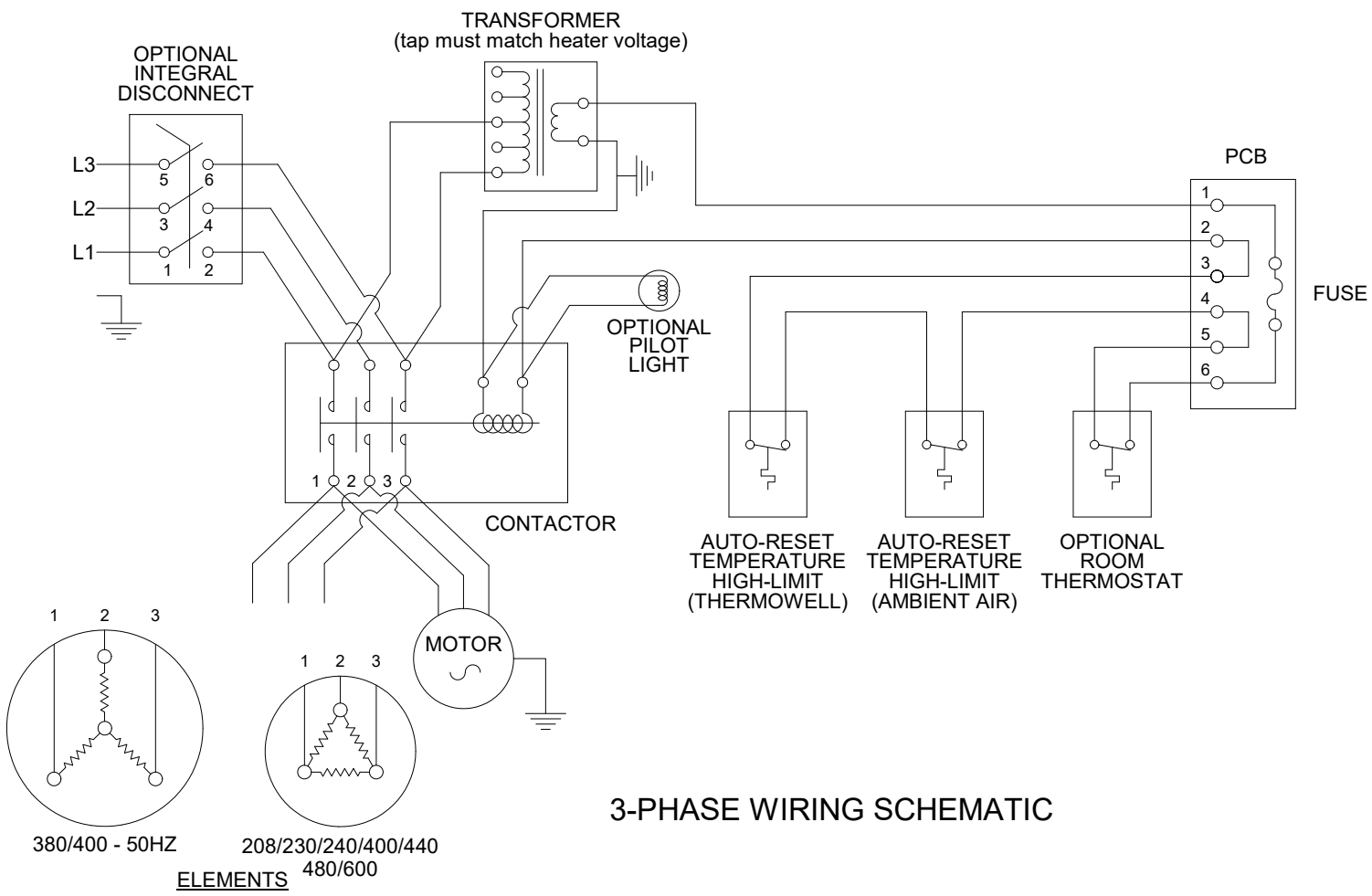
TEMPERATURE CODE:
T3B 165°C [329°F]

5. AIR DELIVERY:
1750 CFM @ 70°F (NOMINAL)
2973 m³/hr @ 21°C (NOMINAL)

6. MATERIALS:
CABINET: 12 GA. EPOXY POWDER COATED
RUFFNECK GREEN.

CORE: STEEL WITH INTEGRAL ALUMINUM FINS

REV.	REVISION DESCRIPTION				DATE	BY
TITLE: FX5 SERIES SLIM HEATER 16" FAN SIZE GENERAL ARRANGEMENT						
DWG NO.: 51747		SHEET: 1 OF 1		TOLERANCE UNLESS NOTED OTHERWISE		
SYTELIN NO.: N/A				± 1/2° ANGULAR	± - DECIMAL	± 1/8" FRACTIONAL
SCALE: NTS				± 3 mm METRIC		
DRN BY: pknight		15 AUG 2016				
CHK'D BY: LB						
APP'D. BY: LB						



3-PHASE WIRING SCHEMATIC

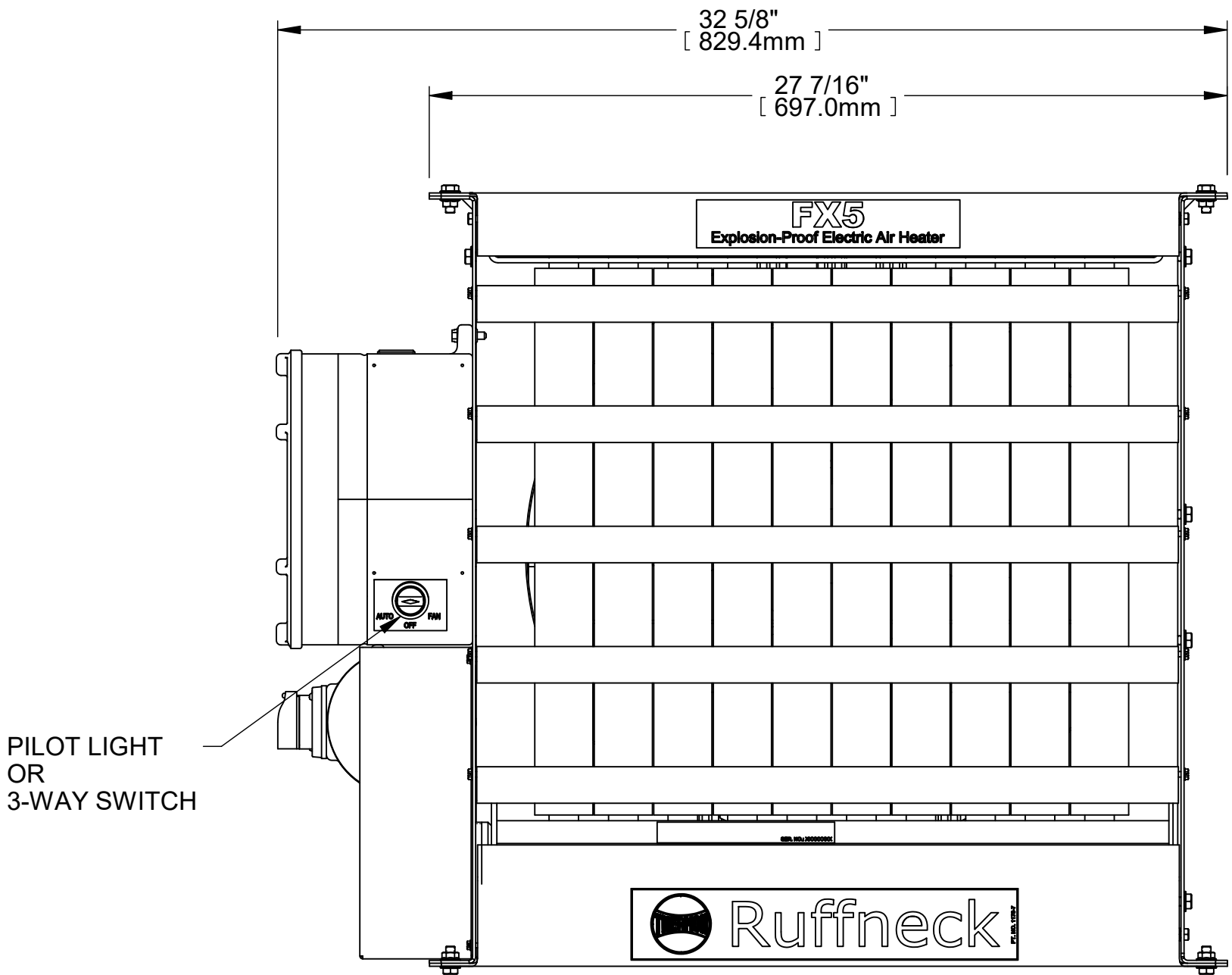
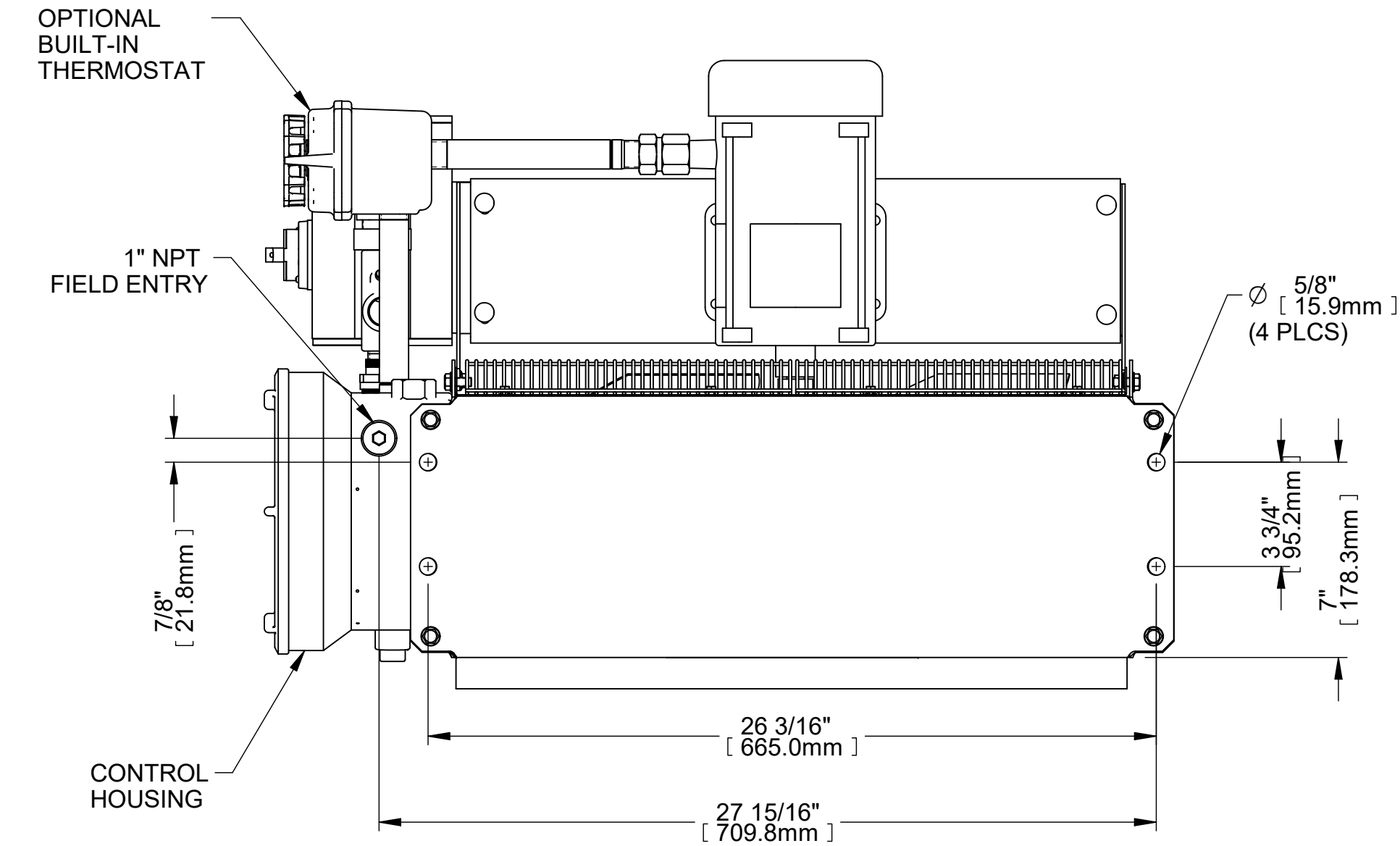
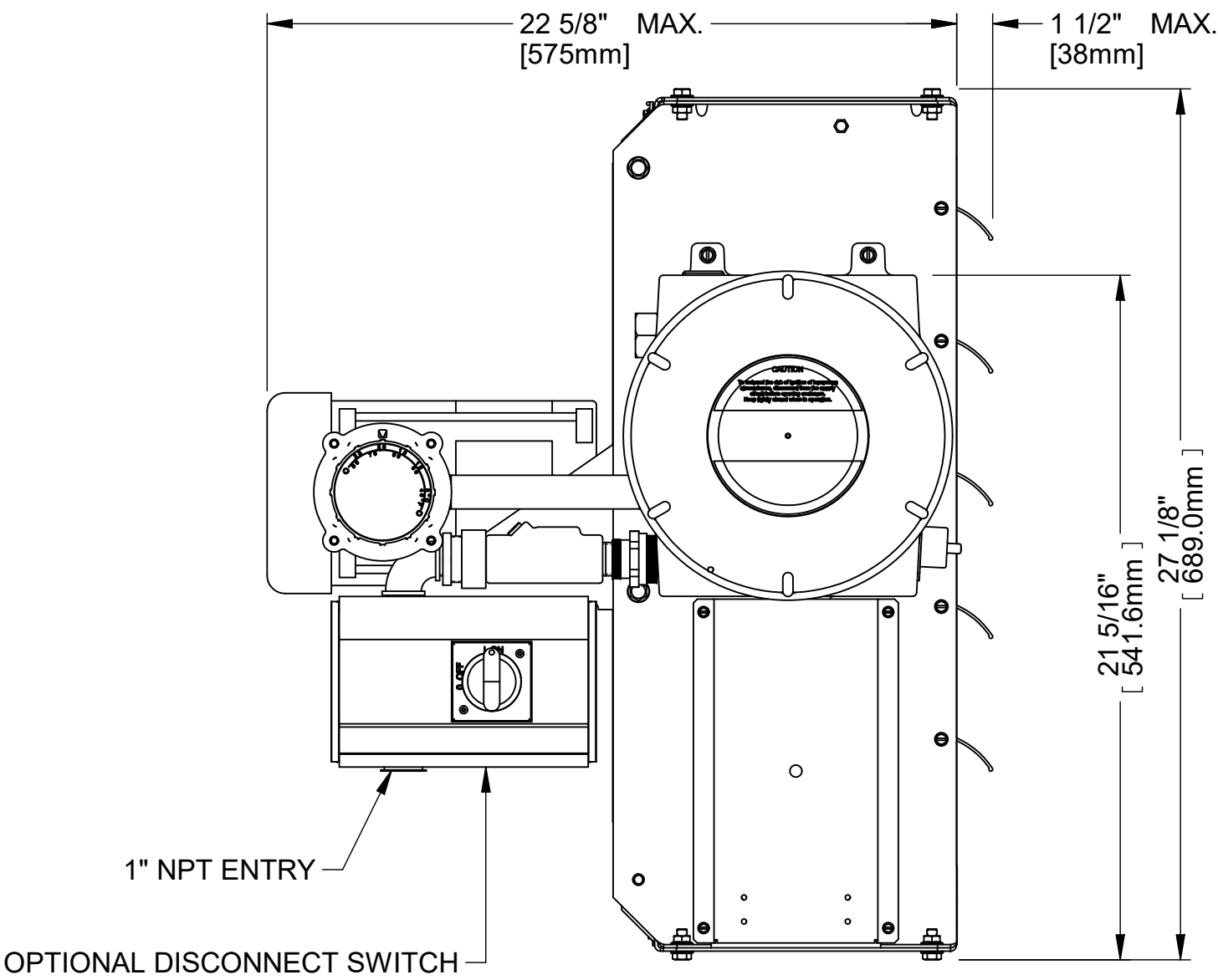
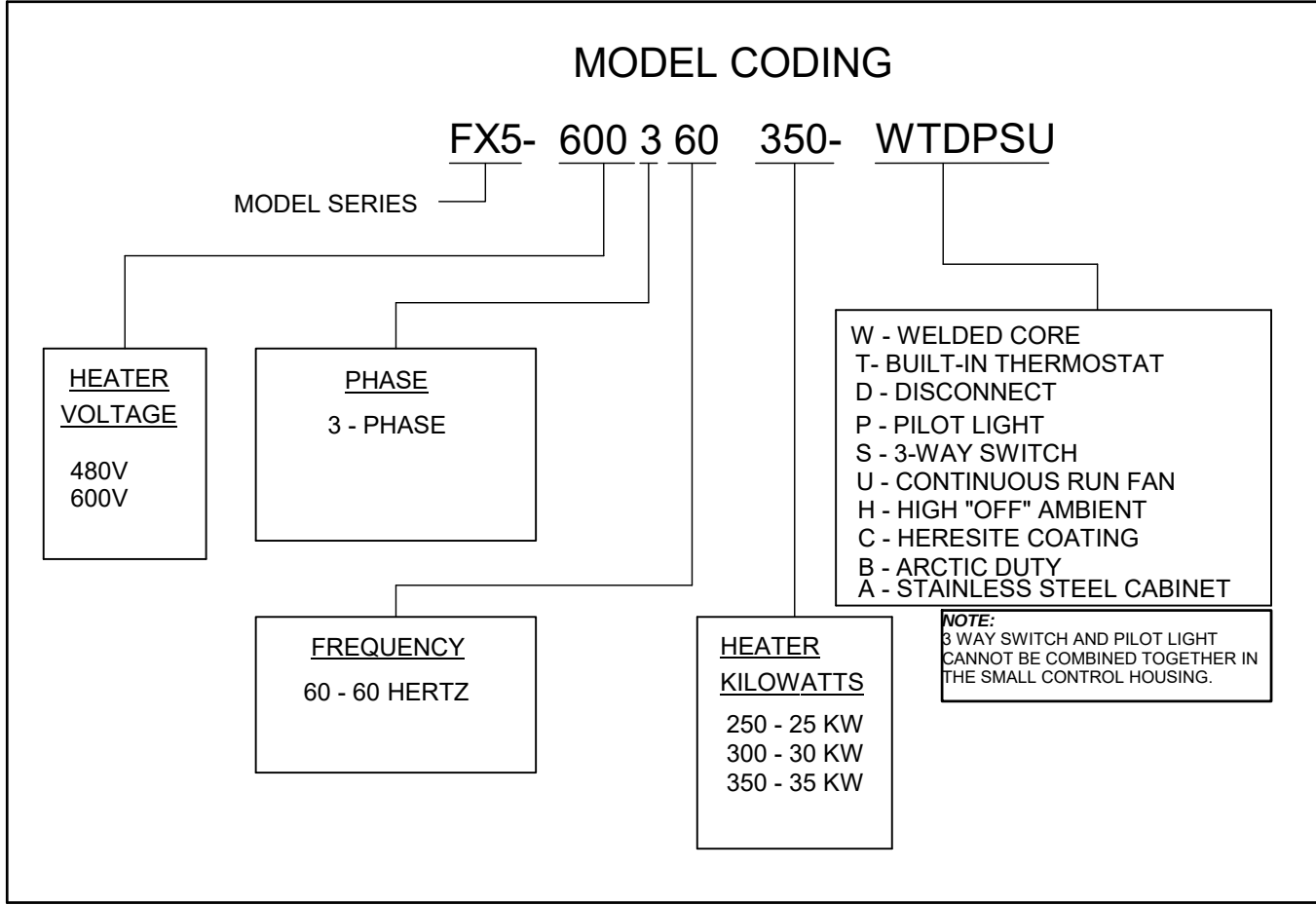


TABLE 1 - SPECIFICATIONS

KW (BTU/HR)	VOLT	PH	TOTAL CURRENT	MIN. CIRCUIT	MAX. FUSE	WIRE SIZE	BASIC MODEL	BUILT-IN THERMOSTAT	3-WAY SWITCH	PILOT LIGHT	DISCONNECT SWITCH	CONTINUOUS FAN
25 (85300)	480	3	30.1	37.6	40	8	FX5-480360-250	☐	☐	☐	☐	☐
	600	3	24.1	30.1	35	8	FX5-600360-250	☐	☐	☐	☐	☐
30 (102350)	480	3	36.1	45.1	50	6	FX5-480360-300	☐	☐	☐	☐	☐
	600	3	28.9	36.1	40	8	FX5-600360-300	☐	☐	☐	☐	☐
35 (119450)	480	3	42.1	52.6	60	6	FX5-480360-350	☐	☐	☐	☐	☐
	600	3	33.7	42.1	45	8	FX5-600360-350	☐	☐	☐	☐	☐

NOTES:

- 1. NET WEIGHT:**
WITHOUT DISCONNECT: 94 KG [207 LBS]
WITH DISCONNECT: 100 KG [220 LBS]

2. SHIPPING WEIGHT:
WITHOUT DISCONNECT: 117 KG [258 LBS]
WITH DISCONNECT: 123 KG [270 LBS]

3. MAX. OPERATING AMBIENT TEMP:
40°C [104°F]

4. HAZARDOUS LOCATION CLASSIFICATION:
cUL_{us} LISTED FOR THE FOLLOWING LOCATIONS:
CLASS I, DIVISION 1 & 2, GROUPS C & D
CLASS II, DIVISION 1, GROUPS E, F, & G
CLASS II, DIVISION 2, GROUPS F & G
CLASS I, ZONES 1 & 2, GROUPS IIA & IIB

TEMPERATURE CODE:
T3B 165°C [329°F]
- 5. AIR DELIVERY:**
3600 CFM @ 70°F (NOMINAL)
6116 m³/hr @ 21°C (NOMINAL)

6. MATERIALS:
CABINET: 12 GA. EPOXY POWDER COATED
RUFFNECK GREEN

CORE: STEEL WITH INTEGRAL ALUMINUM FINS

REV.	REVISION DESCRIPTION				DATE	BY
TITLE: APPROVAL DATA SHEET RUFFNECK FX5 20"						
DWG NO.: 51748		SHEET: 1 OF 1		TOLERANCE UNLESS NOTED OTHERWISE		
SYTELINE NO.: 51748		± 1/2° ANGULAR	± - DECIMAL	± 1/8" FRACTIONAL	± 3 mm METRIC	
SCALE: NTS						
DRN BY: pknight						
15 AUG 2016						
CHK'D BY: LB						
APP'D. BY: LB						

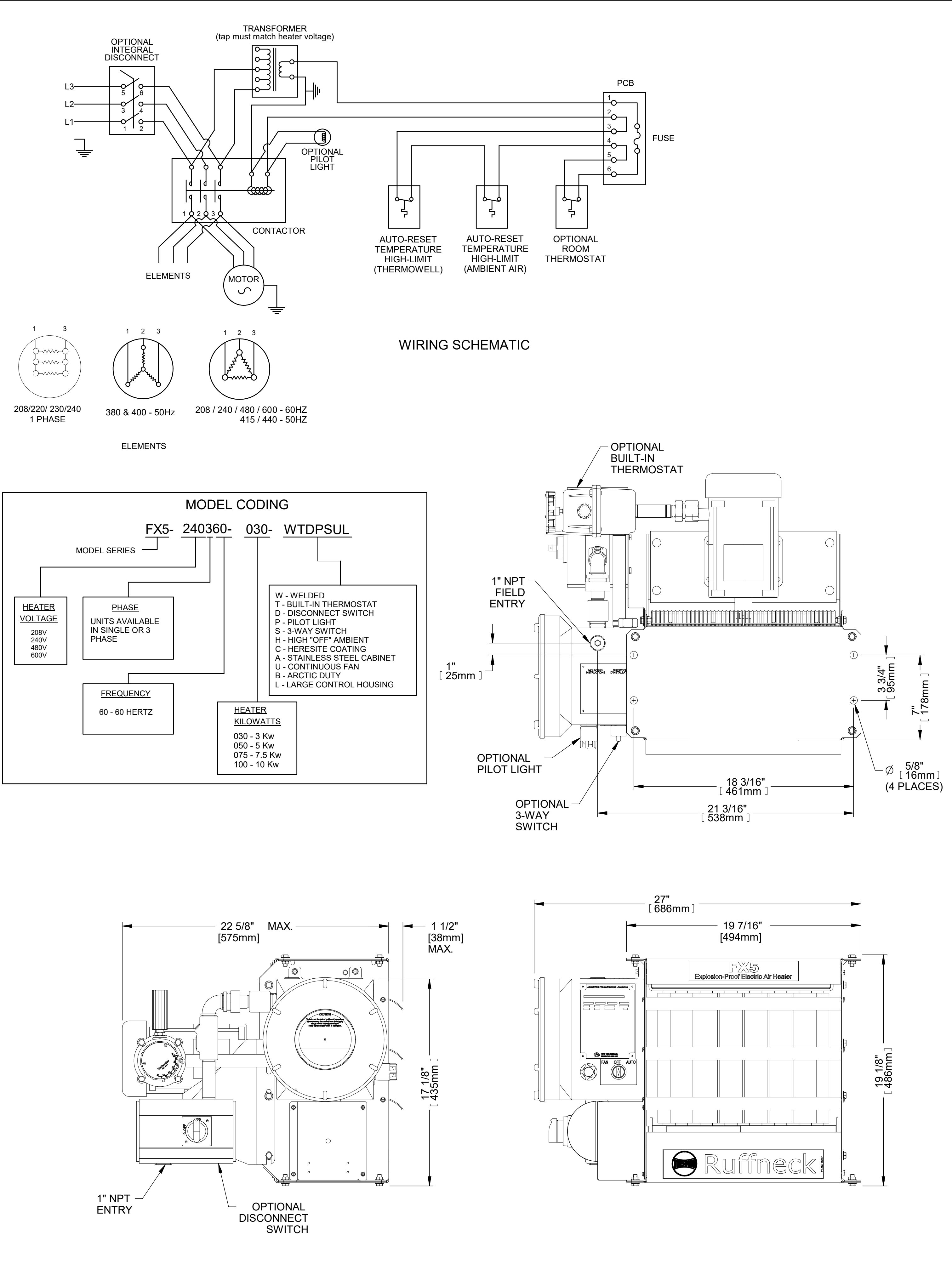


TABLE 1 - SPECIFICATIONS

KW (BTU/HR)	VOLT	PH	TOTAL CURRENT	MIN. CIRCUIT	MAX. FUSE	WIRE SIZE	BASIC MODEL	BUILT-IN THERMOSTAT	3-WAY SWITCH	PILOT LIGHT	DISCONNECT SWITCH	CONTINUOUS FAN
3 (10236)	208	1	14.4	18.0	20	12	FX5-208160-030	☐	☐	☐	☐	☐
		3	8.3	10.4	15	14	FX5-208360-030	☐	☐	☐	☐	☐
	240	1	12.5	15.6	20	12	FX5-240160-030	☐	☐	☐	☐	☐
		3	7.2	9.0	15	14	FX5-240360-030	☐	☐	☐	☐	☐
	480	1	6.3	7.9	15	14	FX5-480160-030	☐	☐	☐	☐	☐
		3	3.6	4.5	15	14	FX5-480360-030	☐	☐	☐	☐	☐
5 (17060)	208	1	24.0	30.0	30	10	FX5-208160-050	☐	☐	☐	☐	☐
		3	13.9	17.4	20	14	FX5-208360-050	☐	☐	☐	☐	☐
	240	1	20.8	26.0	30	10	FX5-240160-050	☐	☐	☐	☐	☐
		3	12.0	15.0	15	14	FX5-240360-050	☐	☐	☐	☐	☐
	480	1	10.4	13.0	15	14	FX5-480160-050	☐	☐	☐	☐	☐
		3	6.0	7.5	15	14	FX5-480360-050	☐	☐	☐	☐	☐
7.5 (25591)	208	1	36.1	45.1	50	6	FX5-208160-075	☐	☐	☐	☐	☐
		3	20.8	26.0	30	10	FX5-208360-075	☐	☐	☐	☐	☐
	240	1	31.3	39.1	40	8	FX5-240160-075	☐	☐	☐	☐	☐
		3	18.0	22.5	25	10	FX5-240360-075	☐	☐	☐	☐	☐
	480	1	15.6	19.5	20	12	FX5-480160-075	☐	☐	☐	☐	☐
		3	9.0	11.3	15	14	FX5-480360-075	☐	☐	☐	☐	☐
10 (34121)	208	1	48.1	60.1	70	4	FX5-208160-100	☐	☐	☐	N/A	☐
		3	27.8	34.8	35	8	FX5-208360-100	☐	☐	☐	☐	☐
	240	1	41.7	52.1	60	6	FX5-240160-100	☐	☐	☐	☐	☐
		3	24.1	30.1	35	8	FX5-240360-100	☐	☐	☐	☐	☐
	480	1	20.8	26.0	30	10	FX5-480160-100	☐	☐	☐	☐	☐
		3	12.0	15.0	15	14	FX5-480360-100	☐	☐	☐	☐	☐
600	208	1	9.6	12.0	15	14	FX5-600360-100	☐	☐	☐	☐	☐
		3	9.6	12.0	15	14	FX5-600360-100	☐	☐	☐	☐	☐

NOTES:

1. NET WEIGHT:

Without Disconnect 67 KG [148 LBS]
With Disconnect 73 KG [160 LBS]

2. SHIPPING WEIGHT:

Without Disconnect 92 KG [202 LBS]
With Disconnect 97 KG [214 LBS]

3. MAX. OPERATING AMBIENT TEMP:

40°C [104°F]

4. HAZARDOUS LOCATION CLASSIFICATION:

cULus LISTED FOR THE FOLLOWING LOCATIONS:
CLASS I, DIVISION 1 & 2, GROUPS C & D
CLASS II, DIVISION 1, GROUPS E, F, & G
CLASS II, DIVISION2, GROUPS F & G
CLASS I, ZONES 1 & 2, GROUPS IIA & IIB

TEMPERATURE CODE:

T3B 165°C [329°F]

5. AIR DELIVERY:

FOR 3 kW and 5 kW UNITS:
500 CFM @ 70°F (NOMINAL)
850 m³/hr @ 21°C (NOMINAL)

FOR 7.5 kW and 10 kW UNITS:

850 CFM @ 70°F (NOMINAL)
1,444 m³/hr @ 21°C (NOMINAL)

6. MATERIALS:

CABINET: 12 GA. EPOXY POWDER COATED
RUFFNECK GREEN.

CORE: STEEL WITH INTEGRAL ALUMINUM FINS

REV.		REVISION DESCRIPTION				DATE		BY	
TITLE: APPROVAL DATA SHEET - FX5 12" 60HZ, LARGE CONTROL HOUSING									
DWG NO.: 50960			SHEET:		TOLERANCE UNLESS NOTED OTHERWISE				
SYTLINE NO.:50960			SCALE: N.T.S.		± 1/2° ANGULAR	± 0.005" DECIMAL	± 1/16" FRACTIONAL	± 1 mm METRIC	
DRN BY: MCARGILL			12 AUG 2016		 HEATING SYSTEMS				
CHK'D BY: RW									
APP'D. BY: MAN									



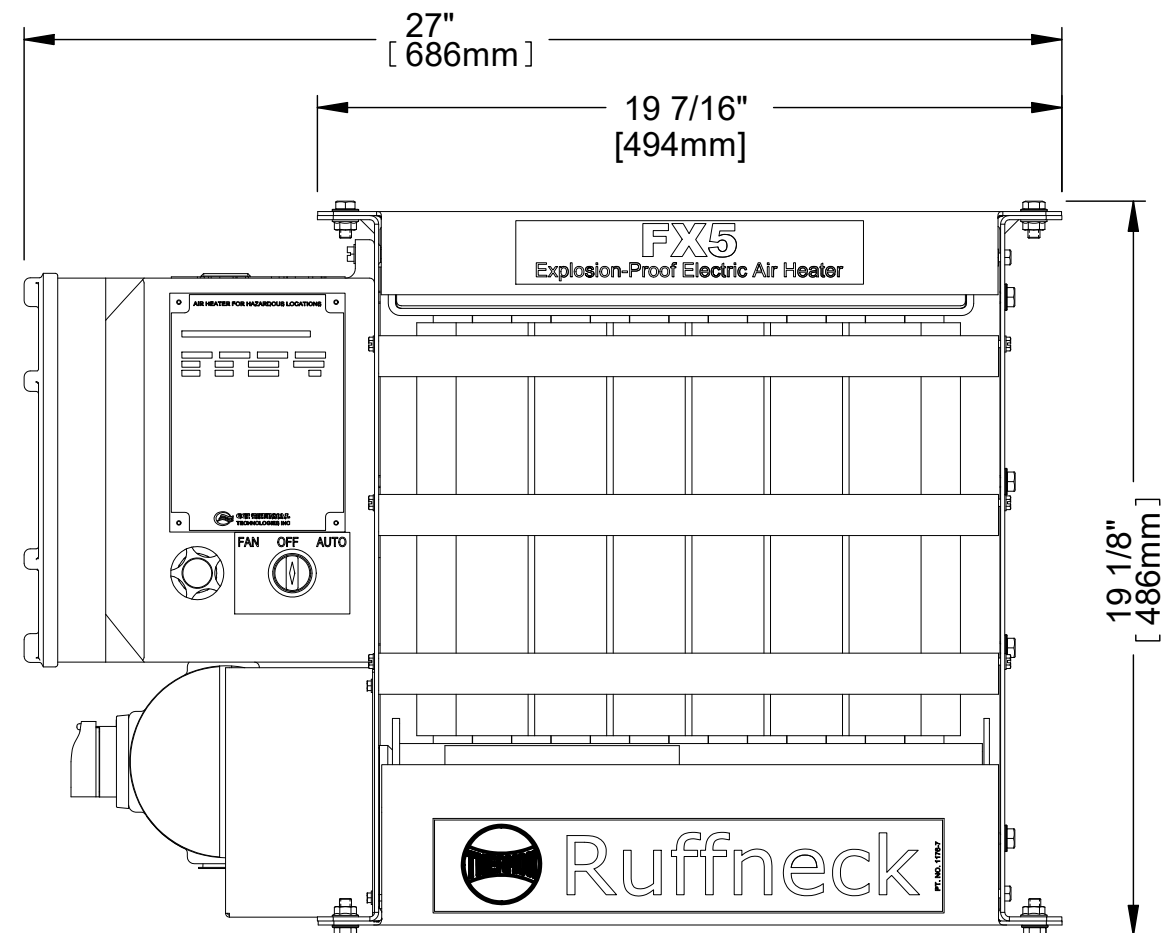
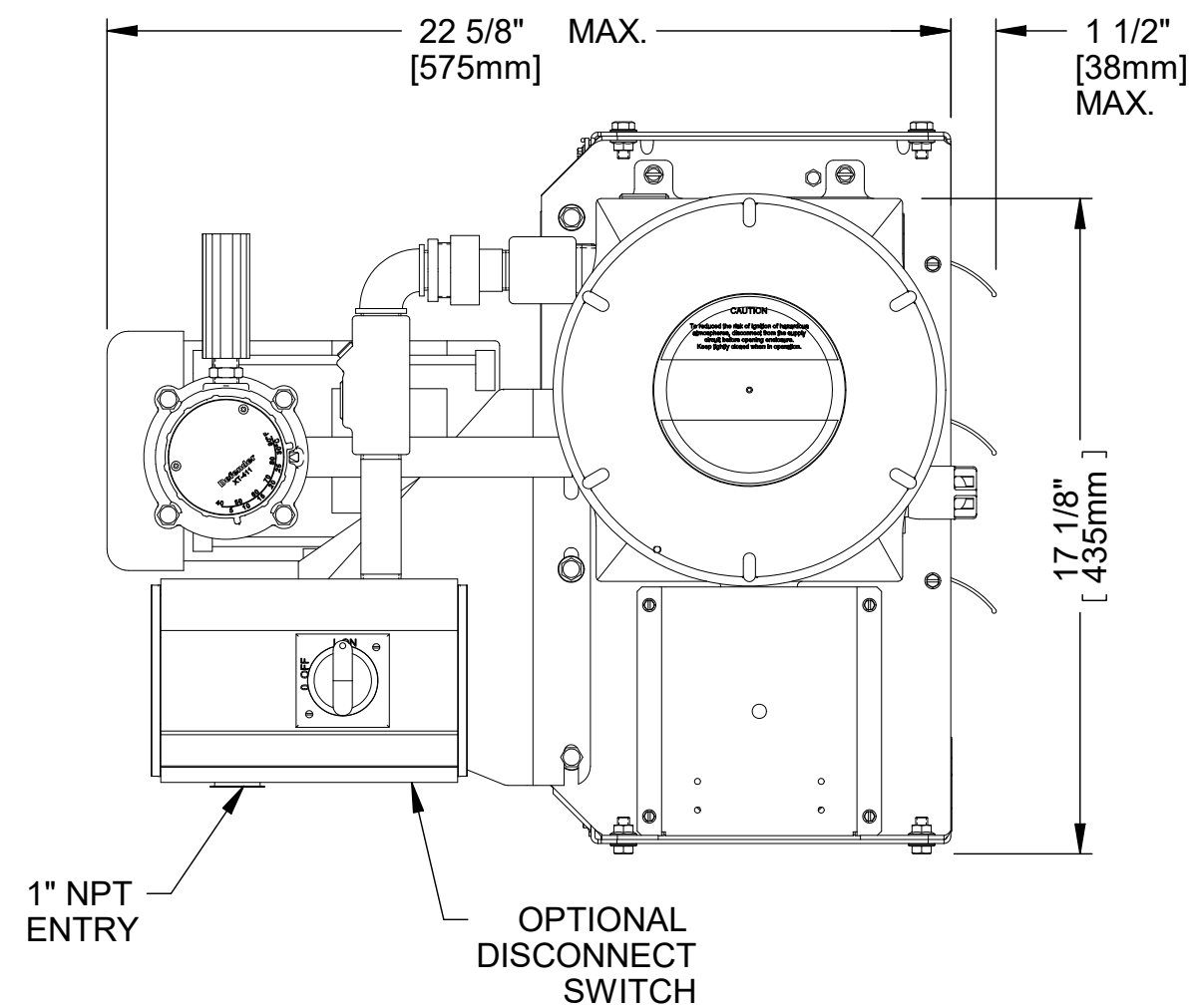
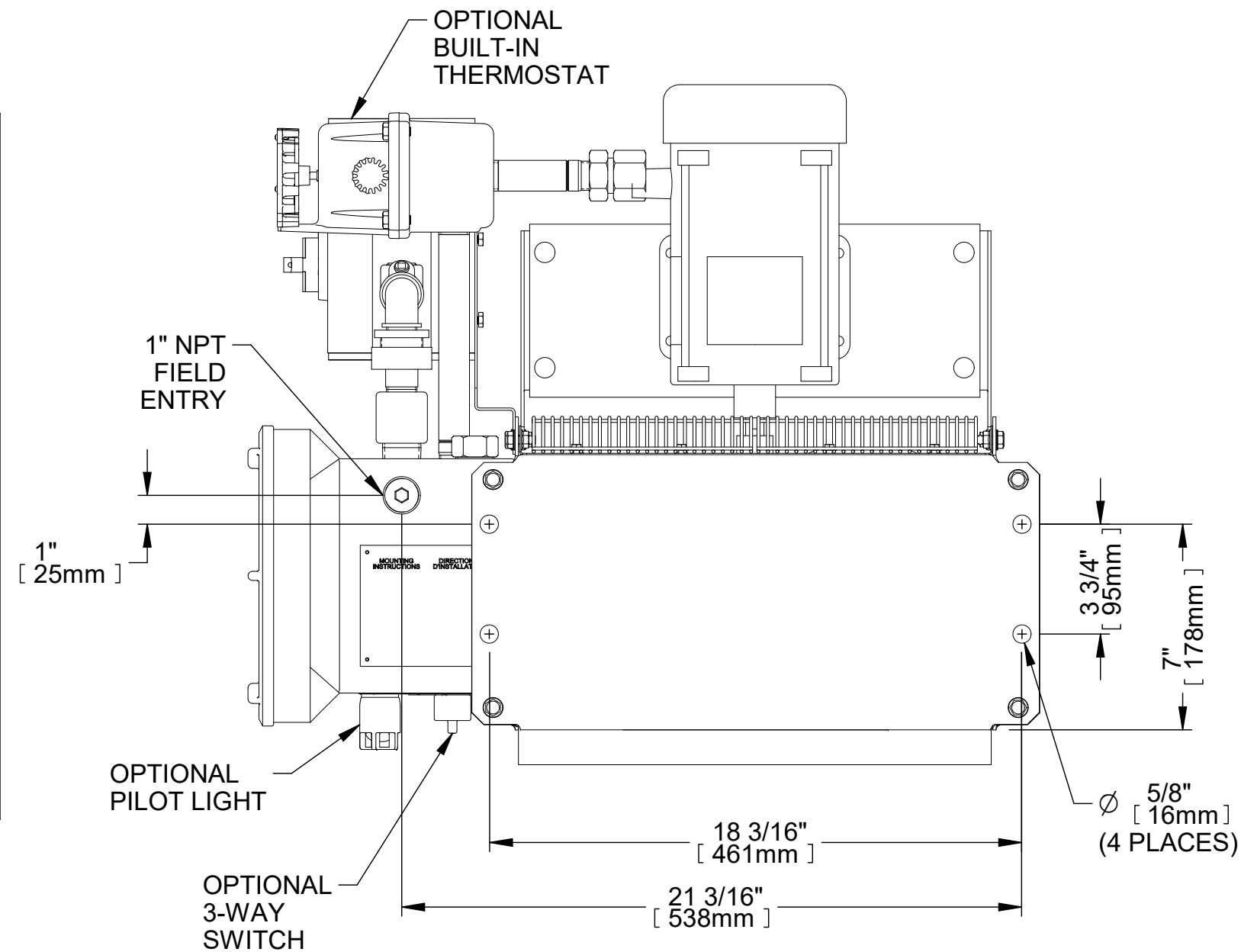
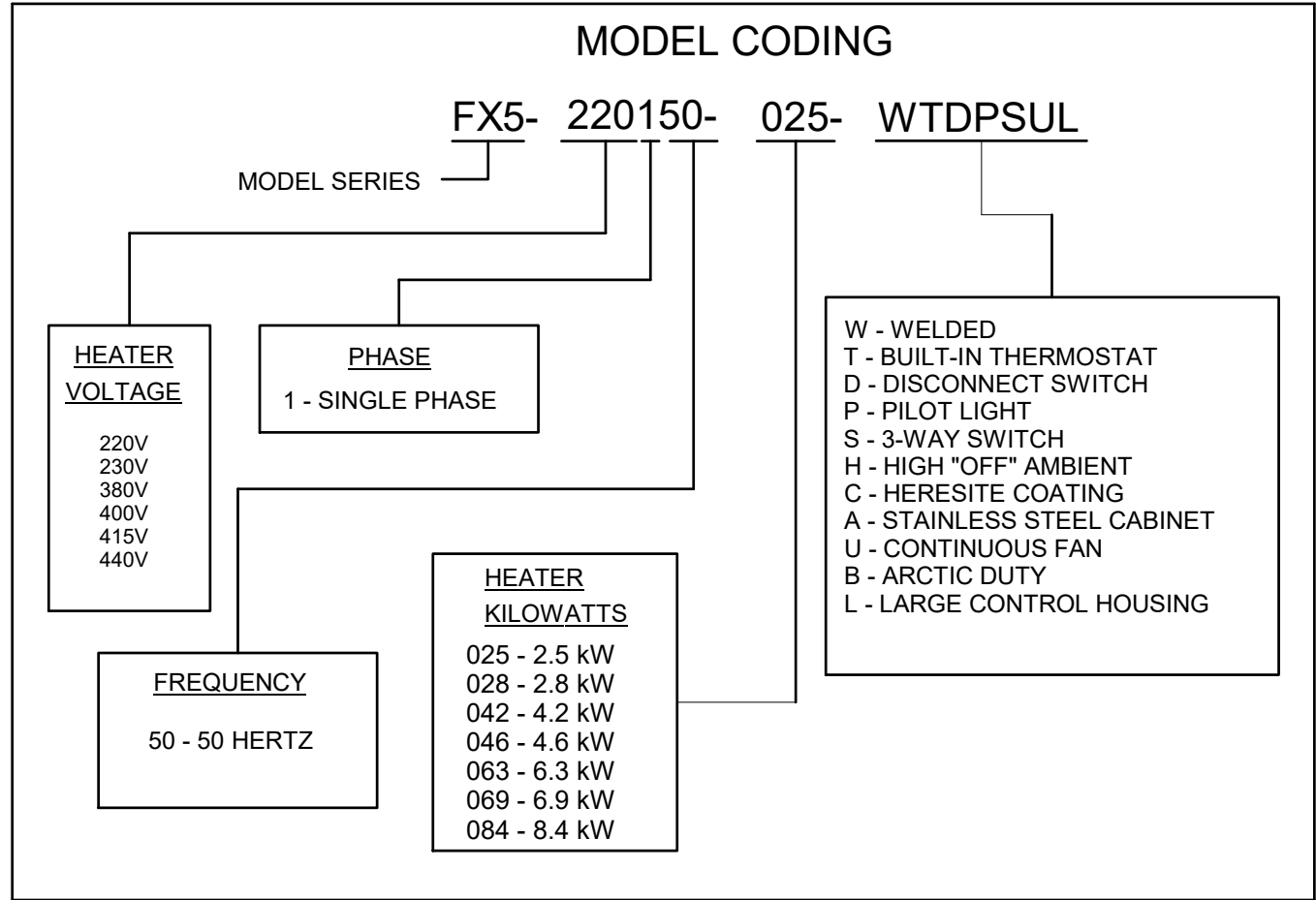
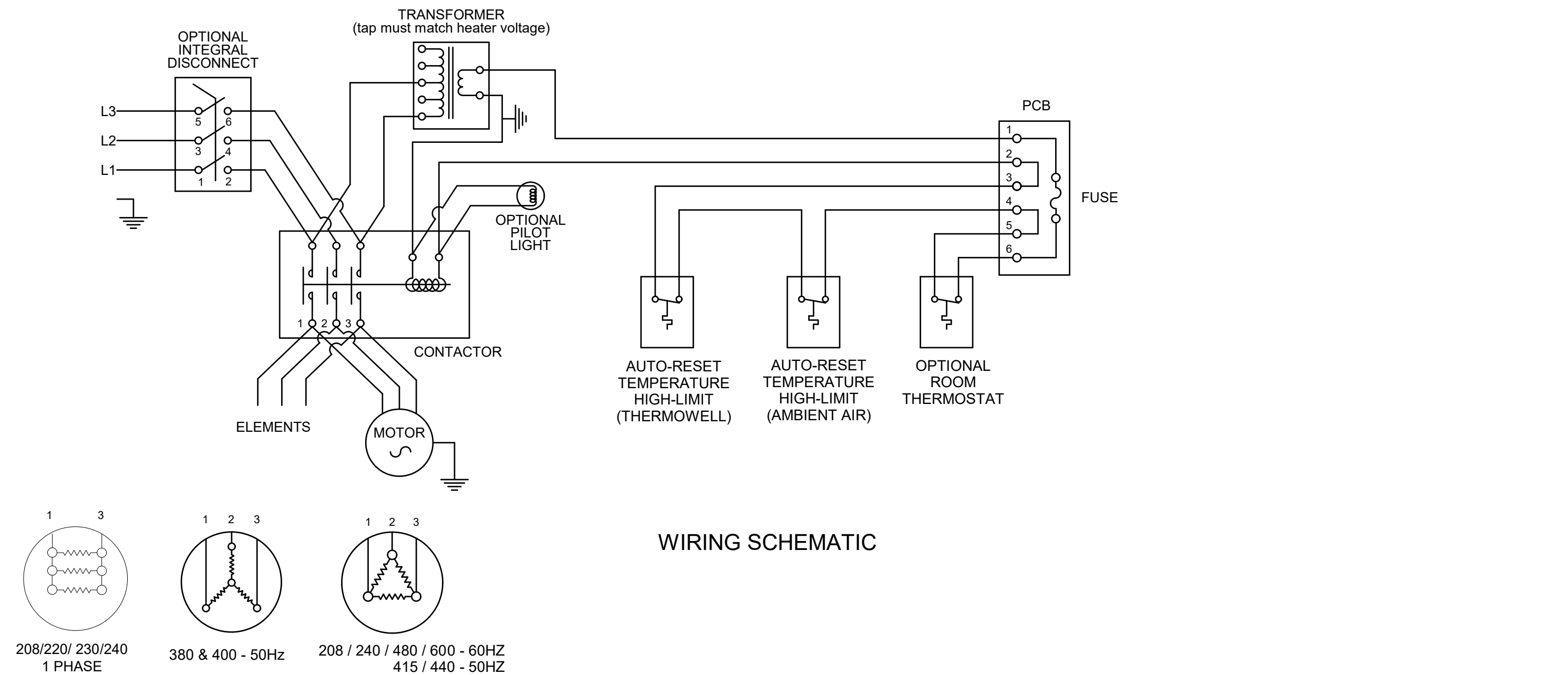


TABLE 1 - SPECIFICATIONS

KW (BTU/HR)	VOLT	PH	TOTAL CURRENT	MIN. CIRCUIT	MAX. FUSE	WIRE SIZE	BASIC MODEL	BUILT-IN THERMOSTAT	3-WAY SWITCH	PILOT LIGHT	DISCONNECT SWITCH	CONTINUOUS FAN
2.5 (8,550)	220	1	11.4	14.3	15	14	FX5-220150-025	☐	☐	☐	☐	☐
4.2 (14,350)	220	1	19.1	23.9	25	10	FX5-220150-042	☐	☐	☐	☐	☐
6.3 (21,500)	220	1	28.6	35.8	40	8	FX5-220150-063	☐	☐	☐	☐	☐
8.4 (28,700)	220	1	38.2	47.8	50	6	FX5-220150-084	☐	☐	☐	☐	☐
2.8 (9,550)	230	1	12.2	15.3	20	12	FX5-230150-028	☐	☐	☐	☐	☐
4.6 (16,000)	230	1	20.0	25.0	25	10	FX5-230150-046	☐	☐	☐	☐	☐
6.9 (23,550)	230	1	30.0	37.5	40	8	FX5-230150-069	☐	☐	☐	☐	☐
2.5 (8,550)	380	3	3.8	4.8	5	16	FX5-380350-025	☐	☐	☐	☐	☐
4.2 (14,350)	380	3	6.4	8	10	16	FX5-380350-042	☐	☐	☐	☐	☐
6.3 (21,000)	380	3	9.6	12	15	14	FX5-380350-063	☐	☐	☐	☐	☐
8.4 (28,700)	380	3	12.8	16	20	12	FX5-380350-084	☐	☐	☐	☐	☐
2.8 (9,5630)	400	3	4	5	5	16	FX5-400350-028	☐	☐	☐	☐	☐
4.6 (15,710)	400	3	6.6	8.3	10	16	FX5-400350-046	☐	☐	☐	☐	☐
6.9 (23,565)	400	3	10	12.5	15	14	FX5-400350-069	☐	☐	☐	☐	☐
9.3 (31,761)	400	3	13.4	16.8	20	12	FX5-400350-093	☐	☐	☐	☐	☐
3.7 (12,636)	415	3	5.1	6.4	10	16	FX5-415350-037	☐	☐	☐	☐	☐
7.5 (25,614)	415	3	10.4	13	15	14	FX5-415350-075	☐	☐	☐	☐	☐
4.2 (14,344)	440	3	5.5	6.9	10	16	FX5-440350-042	☐	☐	☐	☐	☐
8.4 (28,688)	440	3	11	13.8	15	14	FX5-440350-084	☐	☐	☐	☐	☐

NOTES:

1. NET WEIGHT:

Without Disconnect 67 KG [148 LBS]

With Disconnect 73 KG [160 LBS]

2. SHIPPING WEIGHT:

Without Disconnect 92 KG [202 LBS]

With Disconnect 97 KG [214 LBS]

3. MAX. OPERATING AMBIENT TEMP:

40°C [104°F]

4. HAZARDOUS LOCATION CLASSIFICATION:

cULus LISTED FOR THE FOLLOWING LOCATIONS:

CLASS I, DIVISION 1 & 2, GROUPS C & D

CLASS II, DIVISION 1, GROUPS E, F, & G

CLASS II, DIVISION2, GROUPS F & G

CLASS I, ZONES 1 & 2, GROUPS IIA & IIB

TEMPERATURE CODE:

T3B 165°C [329°F]

5. AIR DELIVERY:

FOR 2.5 kW - 4.6 kW UNITS:

400 CFM @ 70°F (NOMINAL)

679 m³/hr @ 21°C (NOMINAL)

FOR 6.3 kW - 8.4 kW UNITS:

700 CFM @ 70°F (NOMINAL)

1,189 m³/hr @ 21°C (NOMINAL)

6. MATERIALS:

CABINET: 12 GA. EPOXY POWDER COATED

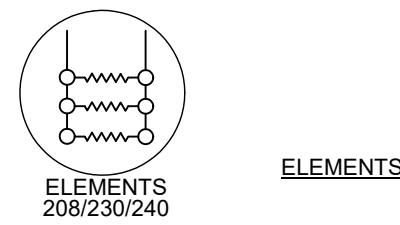
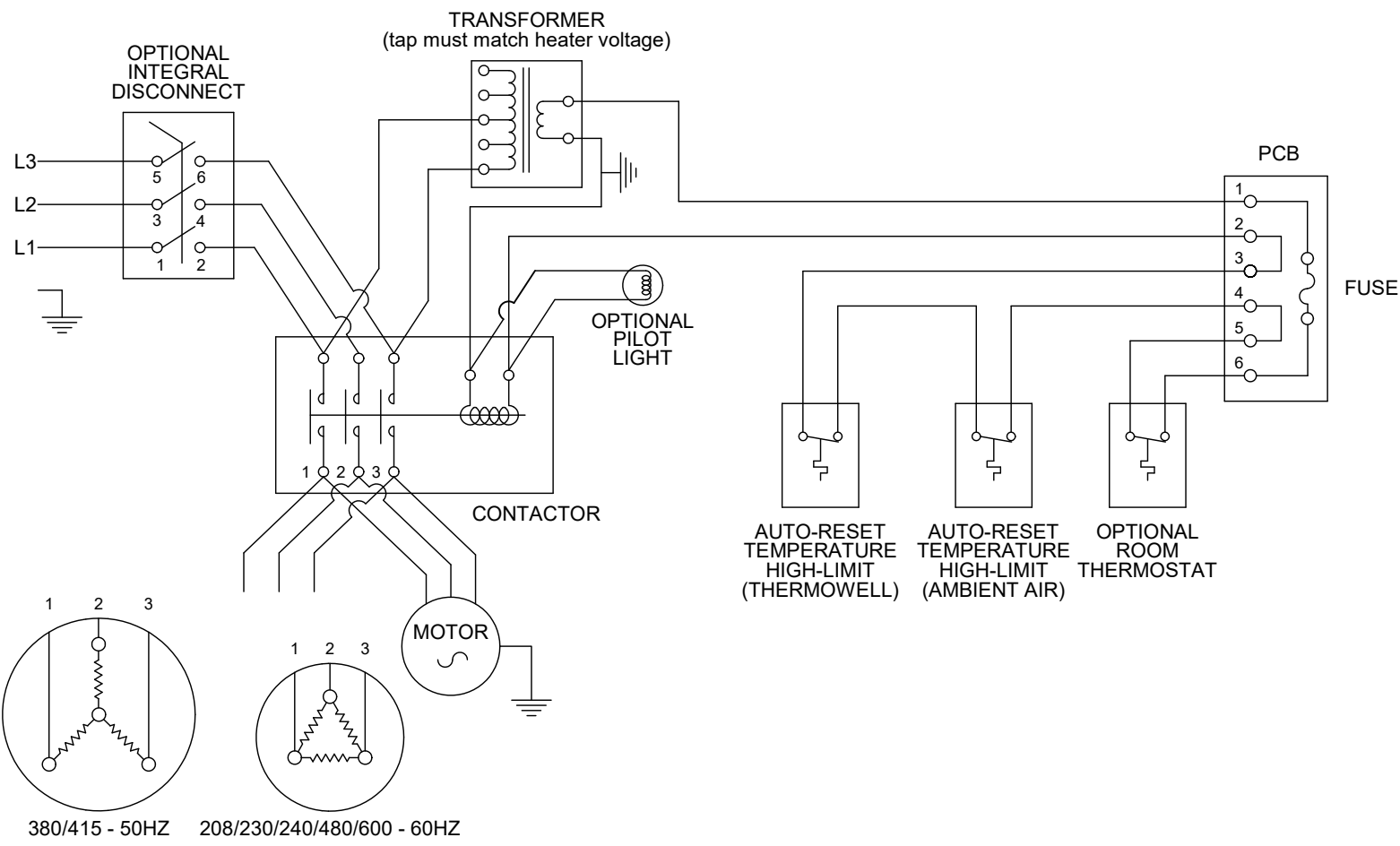
RUFFNECK GREEN.

CORE:

STEEL WITH INTEGRAL ALUMINUM FINS

REV.	REVISION DESCRIPTION				DATE	BY
TITLE: APPROVAL DATA SHEET - FX5 12" 50HZ, LARGE CONTROL HOUSING						
DWG NO.: 50960		SHEET:		TOLERANCE UNLESS NOTED OTHERWISE		
SYTLINE NO.:50960		± 1/2° ANGULAR	± 0.005" DECIMAL	± 1/16" FRACTIONAL	± 1 mm METRIC	
SCALE: N.T.S.						
DRN BY: MCARGILL	12 AUG 2016					
CHK'D BY: RW						
APP'D. BY: MAN						





WIRING SCHEMATIC

MODEL CODING

FX5- 480 3 60 200- WTDP SUL

MODEL SERIES

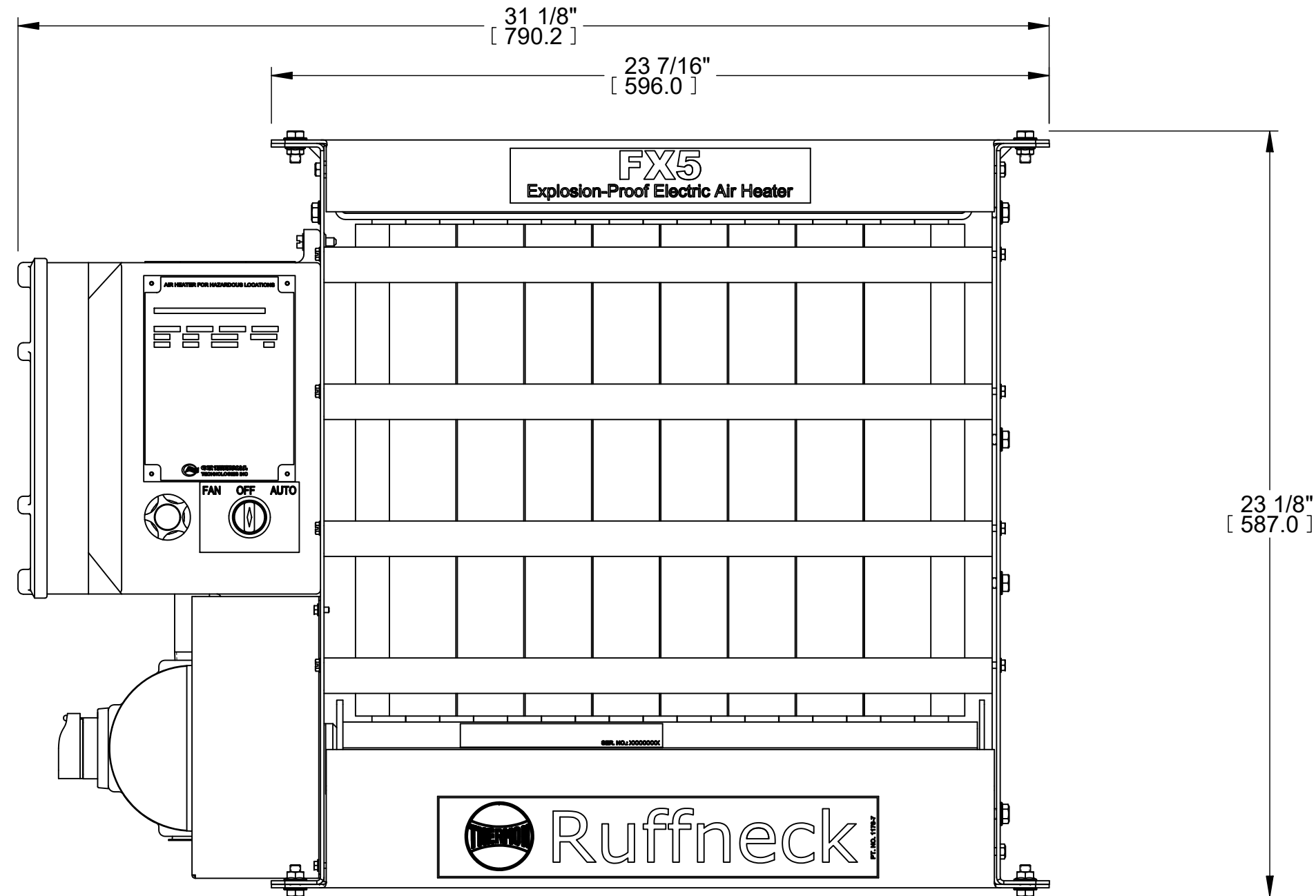
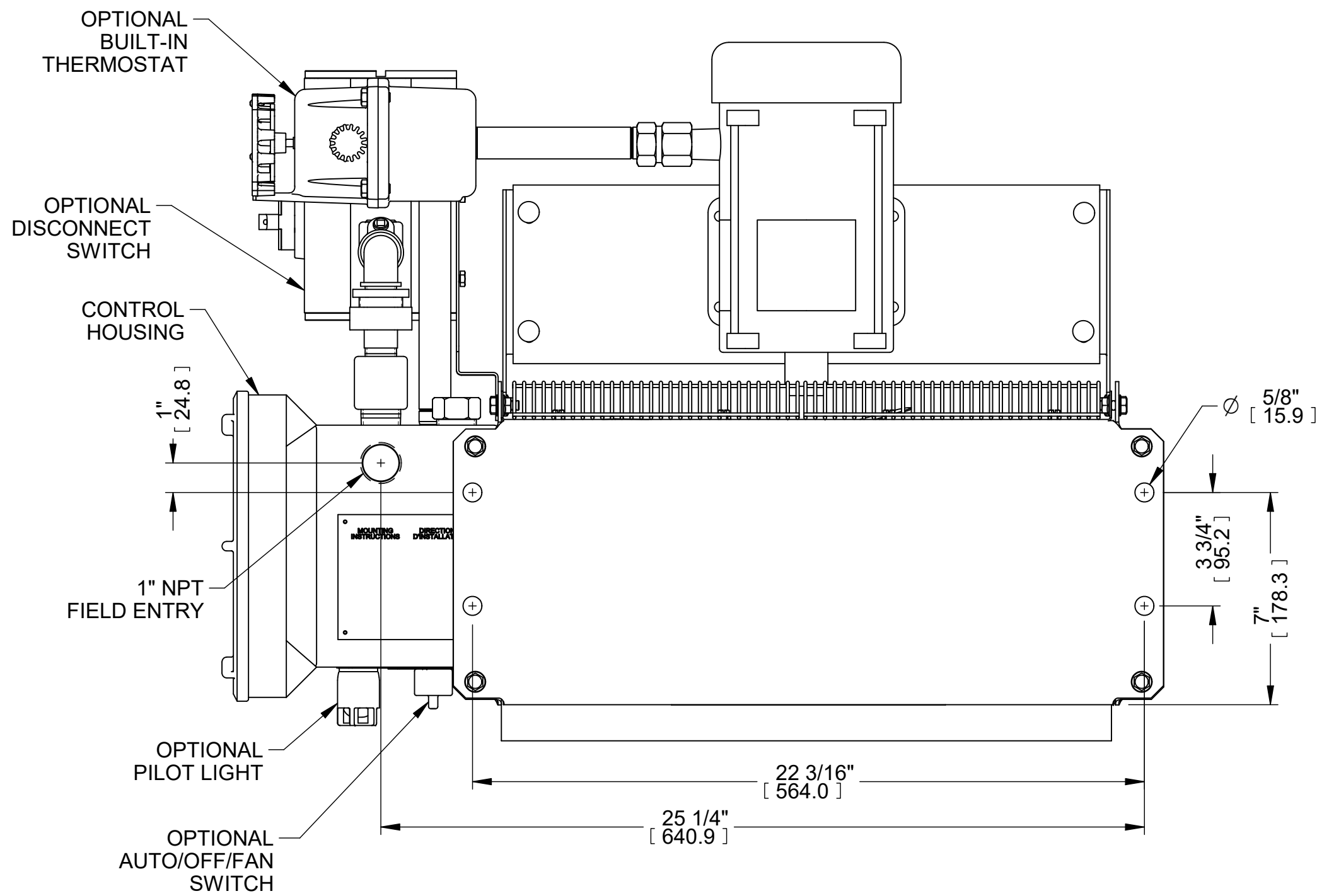
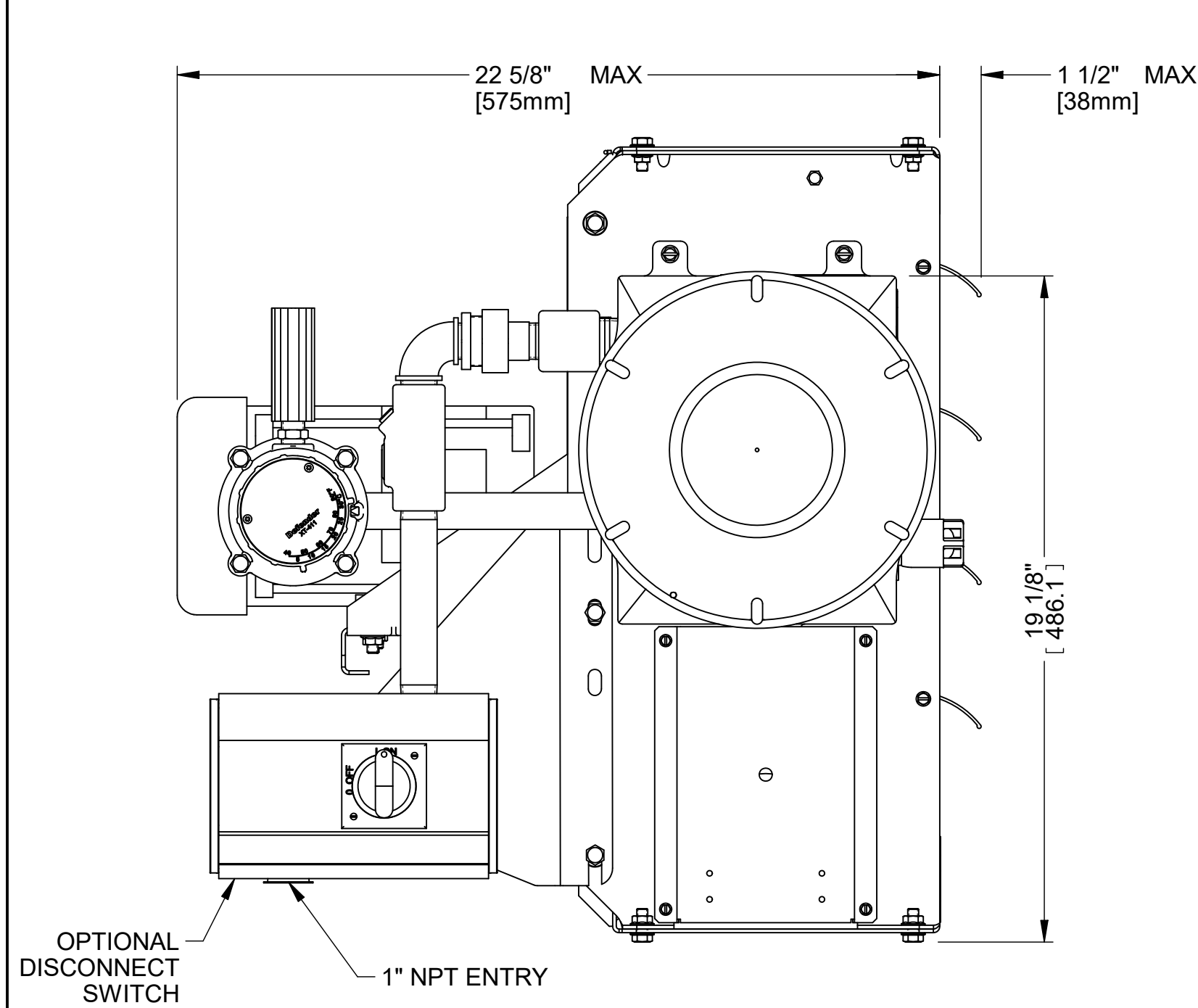
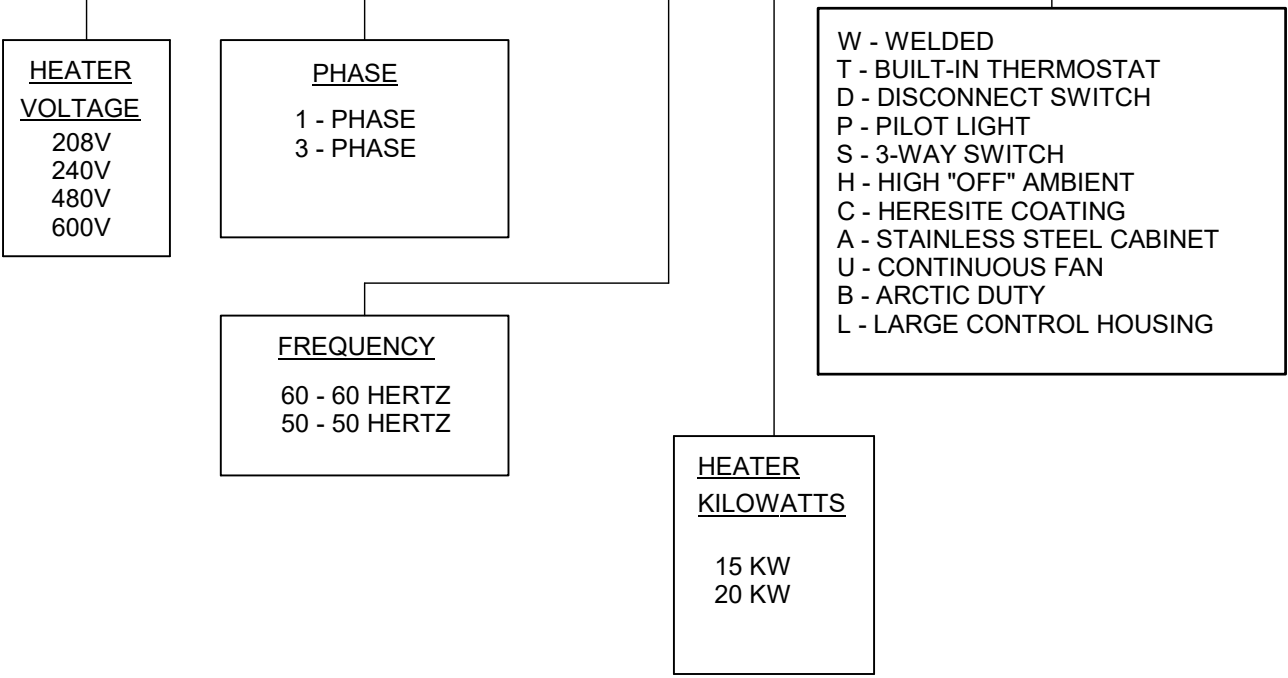


TABLE 1 - SPECIFICATIONS

KW (BTU/HR)	VOLT	PH	TOTAL CURRENT	MIN. CIRCUIT	MAX. FUSE	WIRE SIZE	BASIC MODEL	BUILT-IN THERMOSTAT	3-WAY SWITCH	PILOT LIGHT	DISCONNECT SWITCH	CONTINUOUS FAN
15 (51225)	208	3	41.6	52	60	6	FX5-208360-150	☐	☐	☐	☐	☐
	240	1	62.5	78.1	80	2	FX5-240160-150	☐	☐	☐	N/A	☐
	480	3	36.1	45.1	50	6	FX5-240360-150	☐	☐	☐	☐	☐
	600	3	18.0	22.5	25	10	FX5-480360-150	☐	☐	☐	☐	☐
20 (68300)	480	1	41.7	52.1	60	6	FX5-480160-200	☐	☐	☐	☐	☐
		3	24.1	30.1	35	8	FX5-480360-200	☐	☐	☐	☐	☐
	600	3	19.2	24.0	25	10	FX5-600360-200	☐	☐	☐	☐	☐

NOTES:

1. NET WEIGHT:

Without Disconnect 80 KG [177 LBS]

With Disconnect 86 KG [189 LBS]

2. SHIPPING WEIGHT:

Without Disconnect 103 KG [227 LBS]

With Disconnect 108 KG [239 LBS]

3. MAX. OPERATING AMBIENT TEMP:

40°C [104°F]

4. HAZARDOUS LOCATION CLASSIFICATION:

cULus LISTED FOR THE FOLLOWING LOCATIONS:

CLASS I, DIVISION 1 & 2, GROUPS C & D

CLASS II, DIVISION 1, GROUPS E, F, & G

CLASS II, DIVISION2, GROUPS F & G

CLASS I, ZONES 1 & 2, GROUPS IIA & IIB

TEMPERATURE CODE:

T3B 165°C [329°F]

5. AIR DELIVERY:

1750 CFM @ 70°F (NOMINAL)

2973 m³/hr @ 21°C (NOMINAL)

6. MATERIALS:

CABINET: 12 GA. EPOXY POWDER COATED

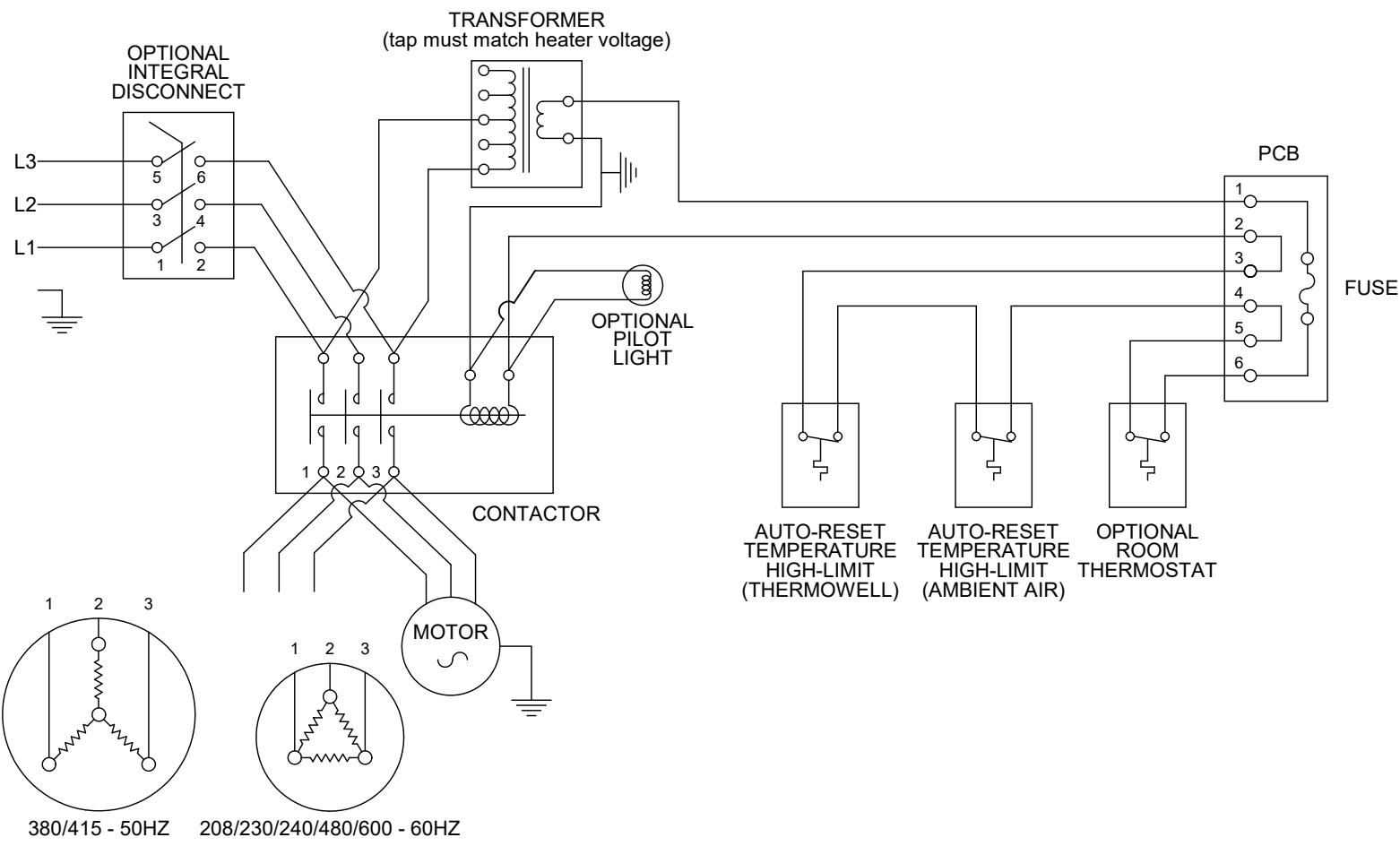
RUFFNECK GREEN.

CORE: STEEL WITH INTEGRAL ALUMINUM FINS

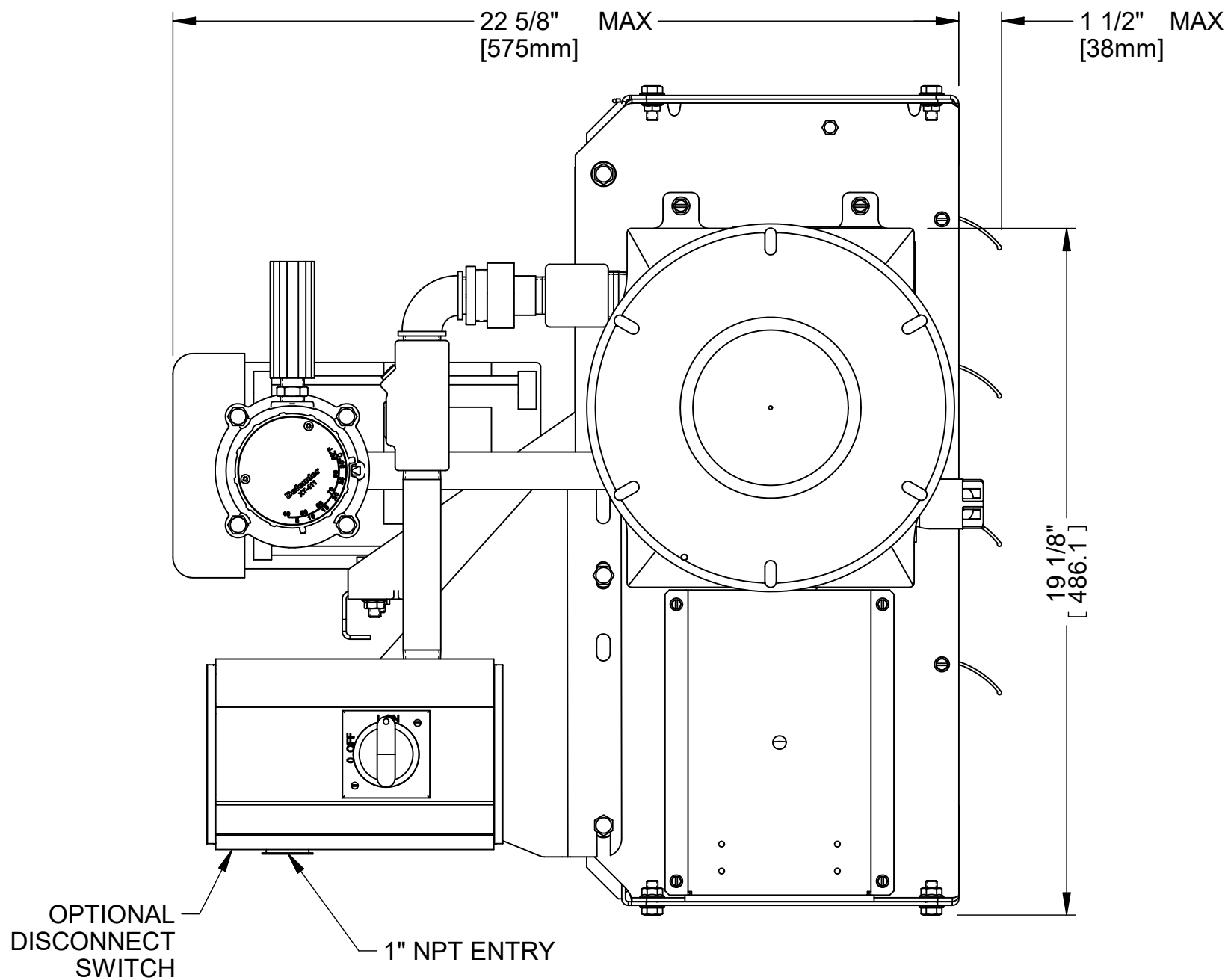
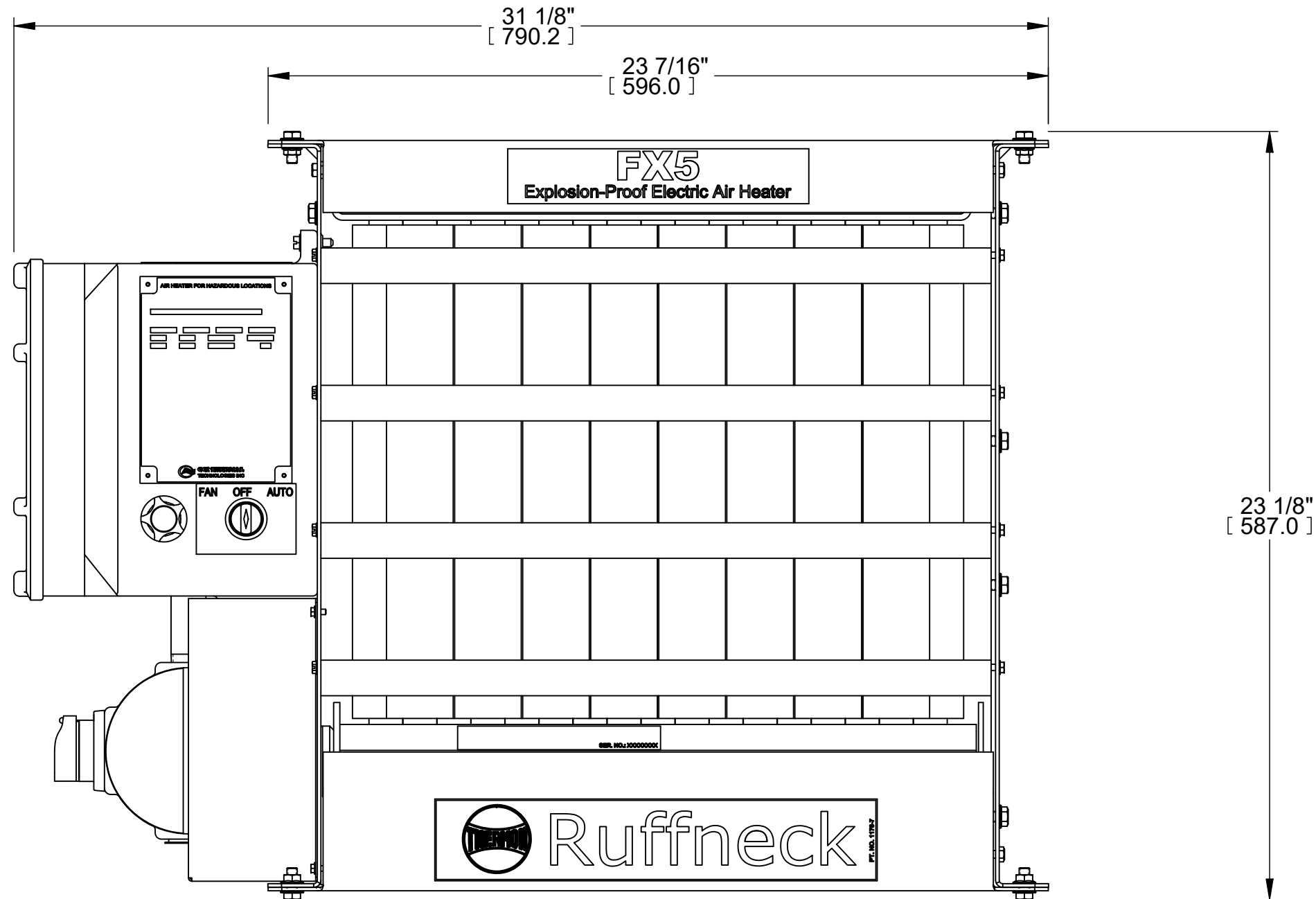
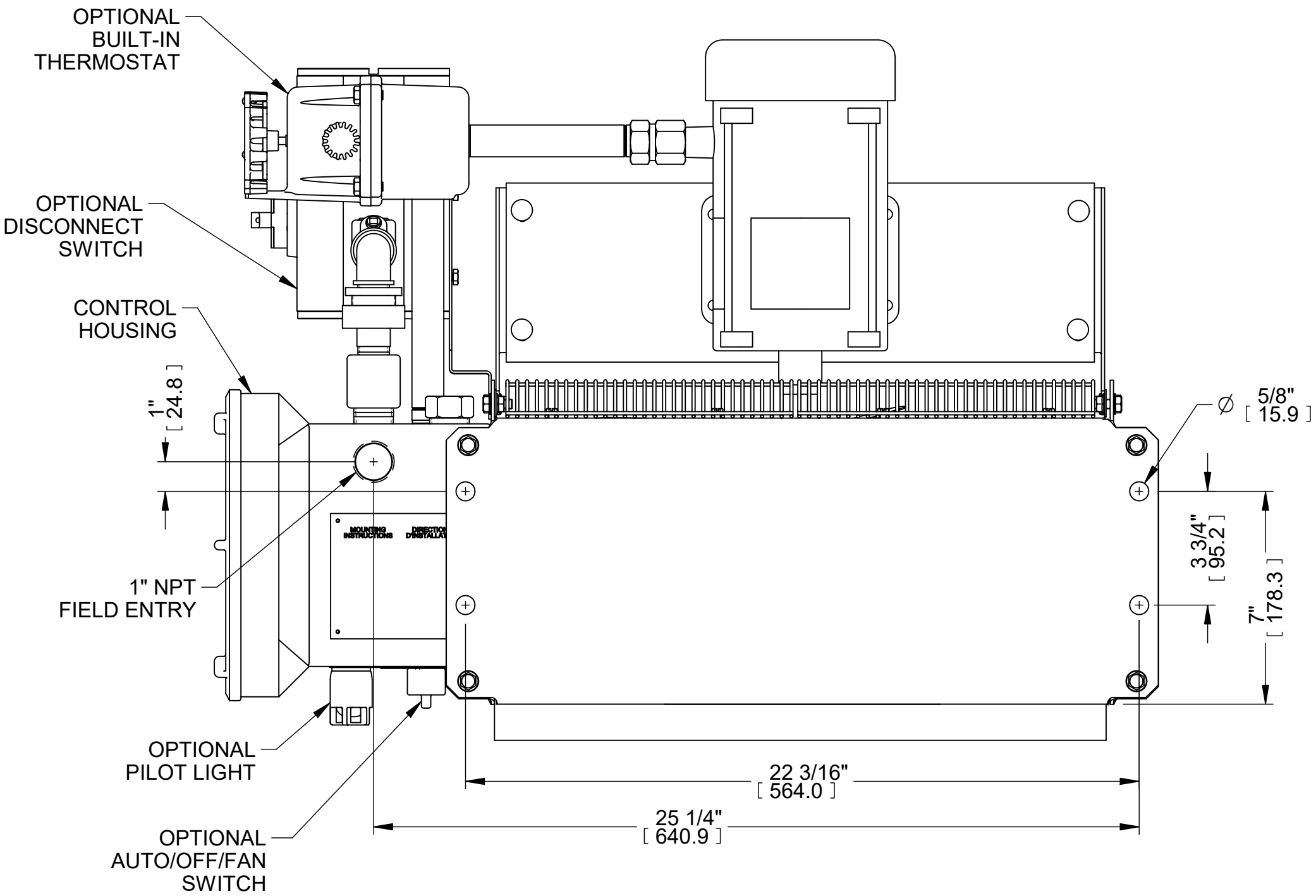
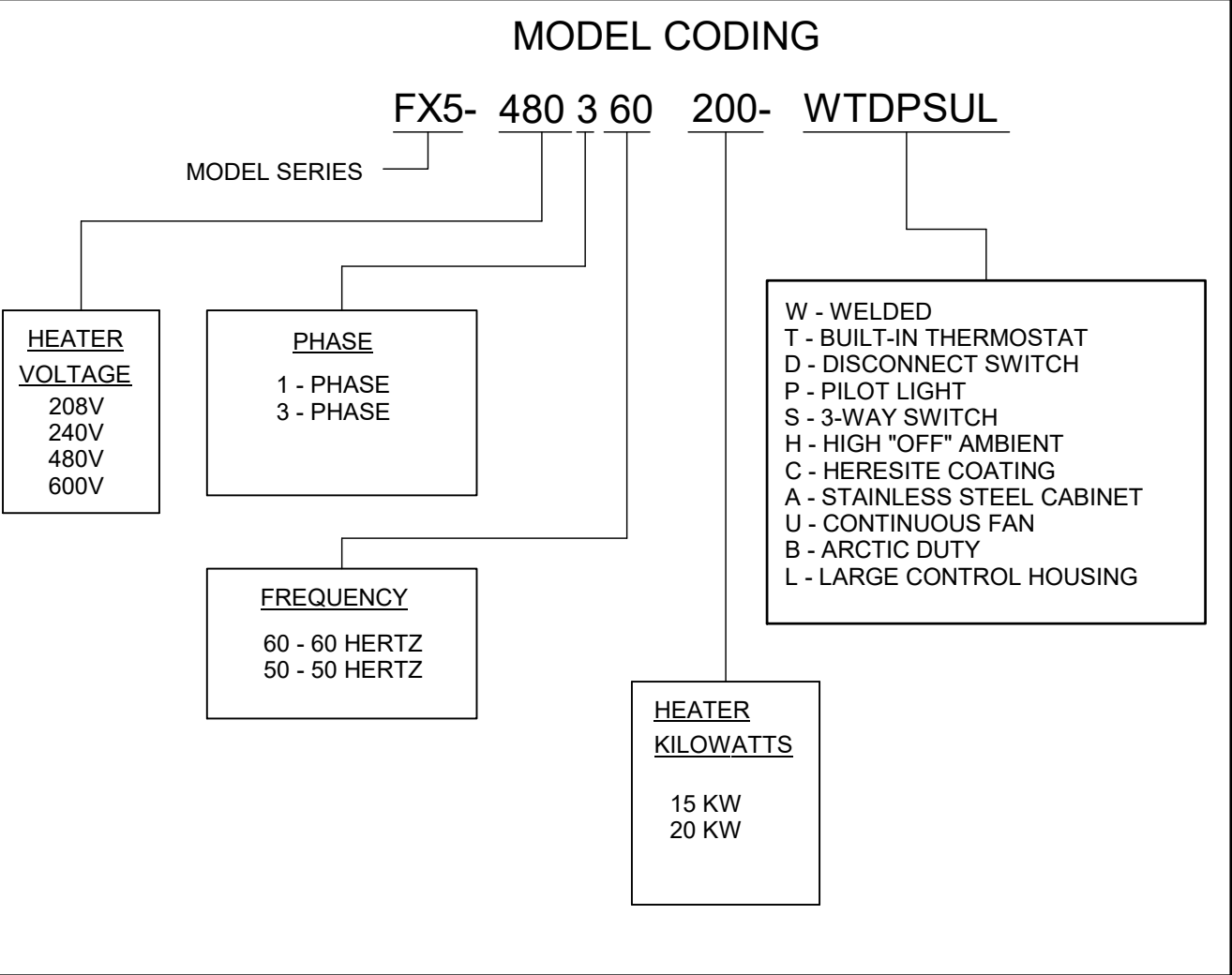
REV.	REVISION DESCRIPTION				DATE	BY
TITLE: APPROVAL DATA SHEET - FX5 16" 60HZ, LARGE CONTROL HOUSING						
DWG NO.: 50962		SHEET:		TOLERANCE UNLESS NOTED OTHERWISE		
SYTLINE NO.: N/A		SCALE: NONE		± 1/2° ANGULAR	± - DECIMAL	± 1/8" FRACTIONAL
DRN BY: nsanchez		12 AUG 2016		± 3 mm METRIC		
CHK'D BY: LB						
APP'D. BY: MAN						

TABLE 1 - 50 HZ MODEL SPECIFICATIONS

KW (BTU/HR)	VOLT	PH	TOTAL CURRENT	MIN. CIRCUIT	MAX. FUSE	WIRE SIZE	BASIC MODEL	BUILT-IN THERMOSTAT	3-WAY SWITCH	PILOT LIGHT	DISCONNECT SWITCH	CONTINUOUS FAN
12.6 (43,031)	220	1	57.3	71.6	80	2	FX5-220150-126	☐	☐	☐	N/A	☐
13.8 (47,129)	230	1	59.9	74.9	80	2	FX5-230150-138	☐	☐	☐	N/A	☐
15.0 (51,228)	240	1	62.5	78.1	80	2	FX5-240150-150	☐	☐	☐	N/A	☐
12.5 (42,690)	380	3	19.0	23.8	25	10	FX5-380350-125	☐	☐	☐	☐	☐
13.9 (47,471)	400	3	20.1	25.1	30	10	FX5-400350-139	☐	☐	☐	☐	☐
18.5 (63,181)	400	3	26.7	33.4	35	8	FX5-400350-185	☐	☐	☐	☐	☐
14.9 (50,886)	415	3	20.7	25.9	30	10	FX5-415350-149	☐	☐	☐	☐	☐
16.8 (57,375)	440	3	27.5	34.4	35	8	FX5-440350-168	☐	☐	☐	☐	☐



WIRING SCHEMATIC



NOTES:

1. NET WEIGHT:
Without Disconnect 80 KG [177 LBS]
With Disconnect 86 KG [189 LBS]

2. SHIPPING WEIGHT:
Without Disconnect 103 KG [227 LBS]
With Disconnect 109 KG [239 LBS]

3. MAX. OPERATING AMBIENT TEMP:
40°C [104°F]

4. HAZARDOUS LOCATION CLASSIFICATION:
cULus LISTED FOR THE FOLLOWING LOCATIONS:
CLASS I, DIVISION 1 & 2, GROUPS C & D
CLASS II, DIVISION 1, GROUPS E, F, & G
CLASS II, DIVISION2, GROUPS F & G
CLASS I, ZONES 1 & 2, GROUPS IIA & IIB

TEMPERATURE CODE:
T3B 165°C [329°F]

5. AIR DELIVERY:
1450 CFM @ 70°F (NOMINAL)
2463 m³/hr @ 21°C (NOMINAL)

6. MATERIALS:
CABINET: 12 GA. EPOXY POWDER COATED
RUFFNECK GREEN.

CORE: STEEL WITH INTEGRAL ALUMINUM FINS

REV.	REVISION DESCRIPTION			DATE	BY
TITLE: APPROVAL DATA SHEET - FX5 16" 50HZ, LARGE CONTROL HOUSING					
DWG NO.: 50962		SHEET:		TOLERANCE UNLESS NOTED OTHERWISE	
SYTLINE NO.: N/A		± 1/2° ANGULAR	± - DECIMAL	± 1/8" FRACTIONAL	± 3 mm METRIC
SCALE: NONE		 HEATING SYSTEMS			
DRN BY: nsanchez	12 AUG 2016				
CHK'D BY: LB					
APP'D. BY: MAN					

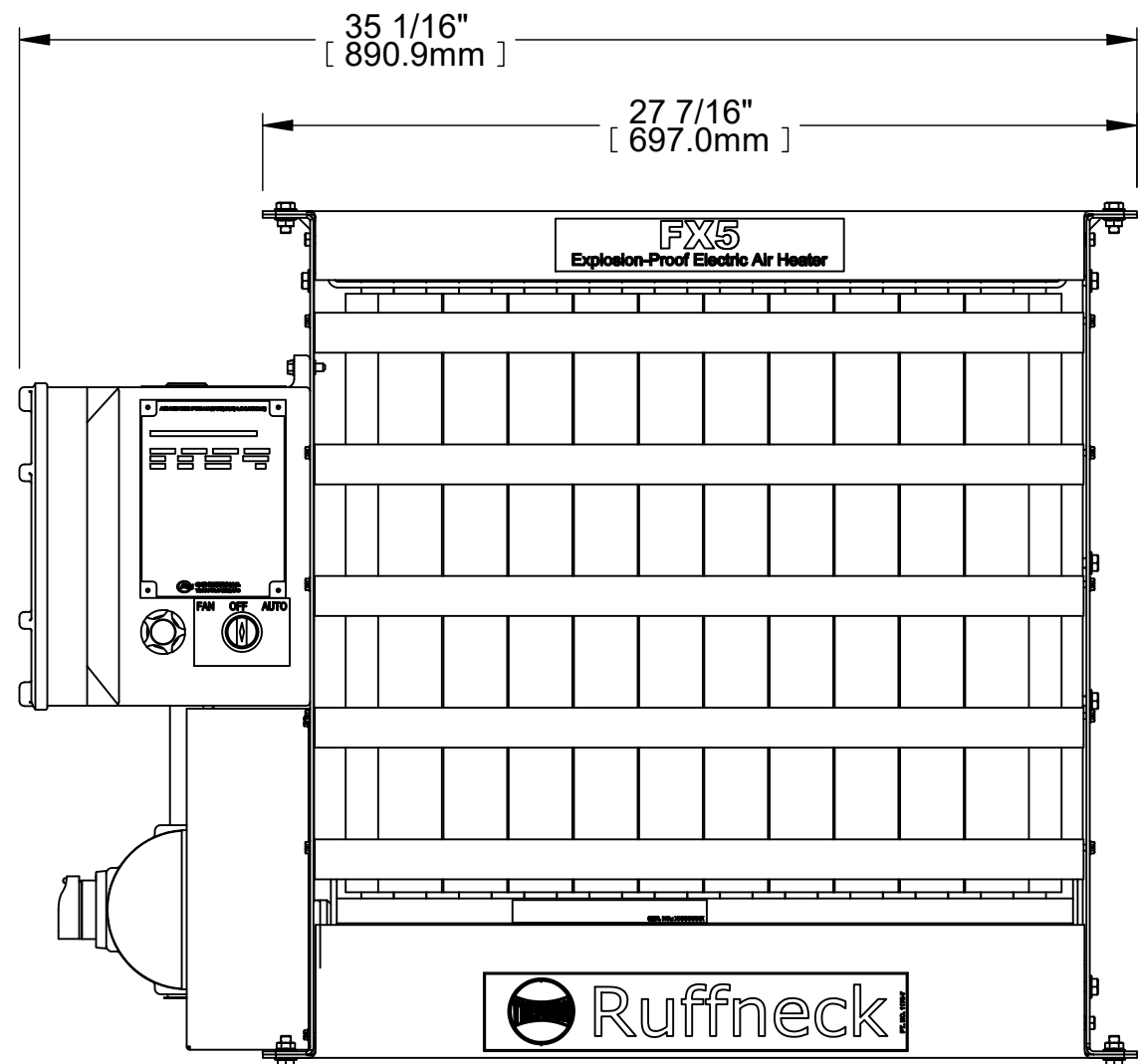
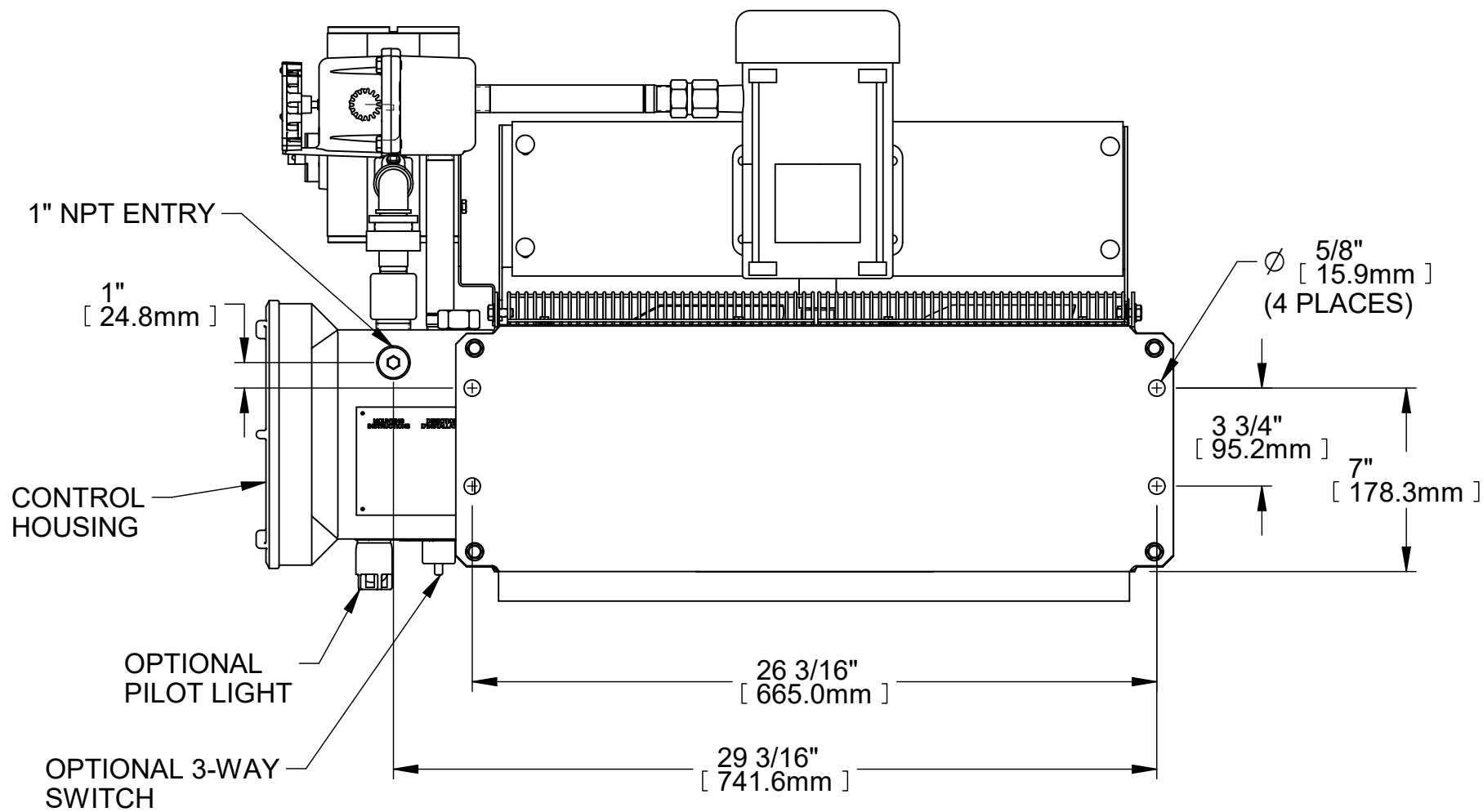
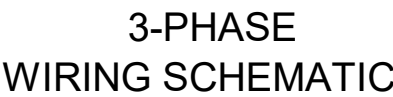


TABLE 1 - SPECIFICATIONS

KW (BTU/HR)	VOLT	PH	TOTAL CURRENT	MIN. CIRCUIT	MAX. FUSE	WIRE SIZE	BASIC MODEL	BUILT-IN THERMOSTAT	3-WAY SWITCH	PILOT LIGHT	DISCONNECT SWITCH	CONTINUOUS FAN
25 (85300)	480	3	30.1	37.6	40	8	FX5-480360-250	☐	☐	☐	☐	☐
	600	3	24.1	30.1	35	8	FX5-600360-250	☐	☐	☐	☐	☐
30 (102350)	480	3	36.1	45.1	50	6	FX5-480360-300	☐	☐	☐	☐	☐
	600	3	28.9	36.1	40	8	FX5-600360-300	☐	☐	☐	☐	☐
35 (119450)	480	3	42.1	52.6	60	6	FX5-480360-350	☐	☐	☐	☐	☐
	600	3	33.7	42.1	45	8	FX5-600360-350	☐	☐	☐	☐	☐

NOTES:

1. NET WEIGHT:

Without Disconnect	96 KG [212 LBS]
With Disconnect	102 KG [224 LBS]

2. SHIPPING WEIGHT:

Without Disconnect	119 KG [263 LBS]
With Disconnect	125 KG [275 LBS]

3. MAX. OPERATING AMBIENT TEMP:

40°C [104°F]

4. HAZARDOUS LOCATION CLASSIFICATION:

JULUS LISTED FOR THE FOLLOWING LOCATIONS:
 CLASS I, DIVISION 1 & 2, GROUPS C & D
 CLASS II, DIVISION 1, GROUPS E, F, & G
 CLASS II, DIVISION 2, GROUPS F & G
 CLASS I, ZONES 1 & 2, GROUPS IIA & IIB

TEMPERATURE CODE:
T3B 165°C [329°F]

5. AIR DELIVERY:

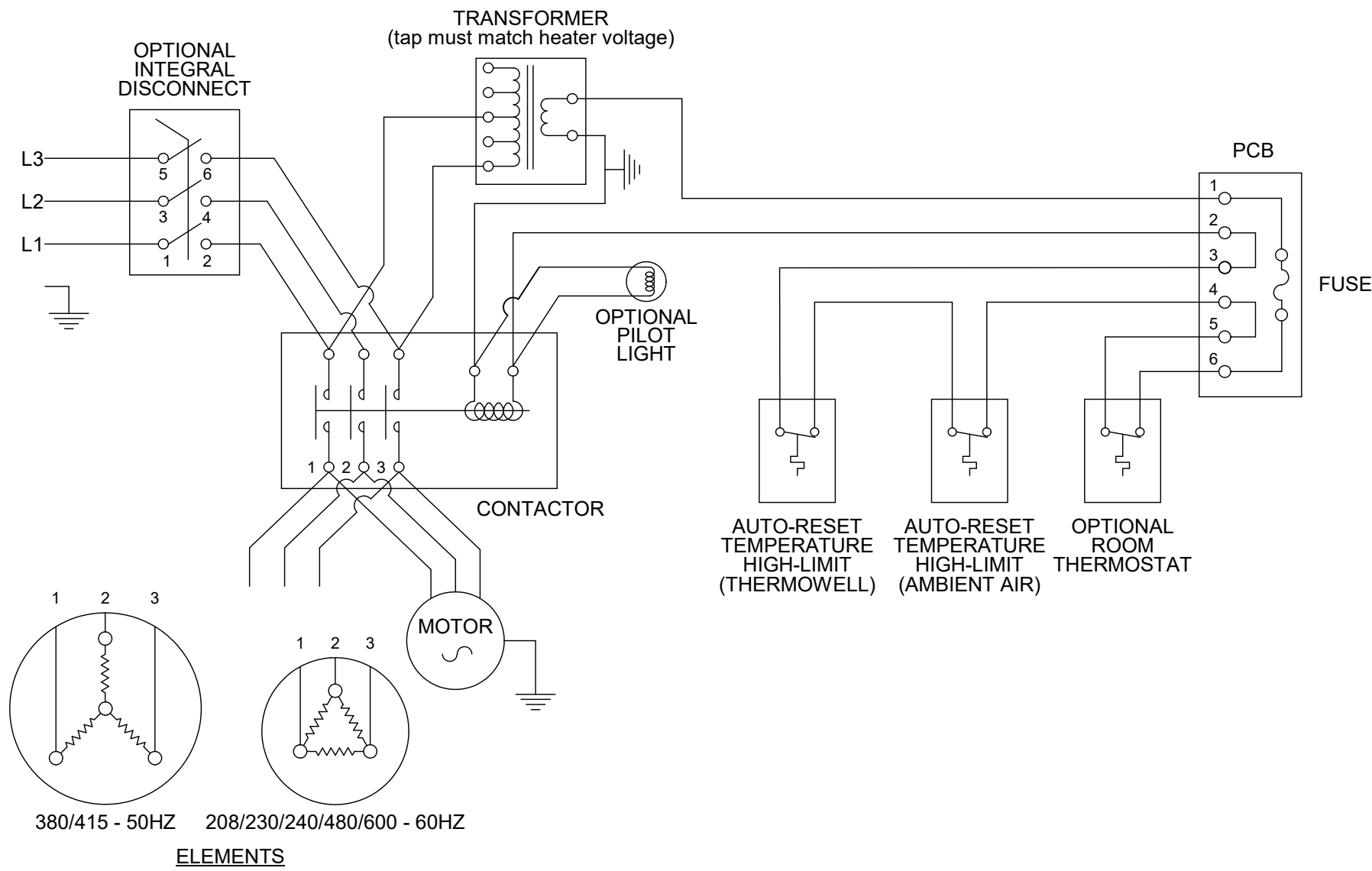
3600 CFM @ 70°F (NOMINAL)
6116 m³/hr @ 21°C (NOMINAL)

6. MATERIALS:

CABINET: 12 GA. CARBON STEEL
RUFFNECK GREEN

CORE: STEEL WITH INTEGRAL ALUMINUM FINNS

REV.	REVISION DESCRIPTION	DATE	BY
TITLE: APPROVAL DATA SHEET - FX5 20" 60HZ, LARGE CONTROL HOUSING			
DWG NO.: 50974		SHEET:	
SYTLINE NO.: 50974		TOLERANCE UNLESS NOTED OTHERWISE	
SCALE: NTS		± 1/2" ANGULAR	± - DECIMAL
DRN BY: MCARGILL		± 1/8" FRACTIONAL	± 3 mm METRIC
CHK'D BY: LB		 HEATING SYSTEMS	
APP'D. BY: MAN			



3-PHASE
WIRING SCHEMATIC

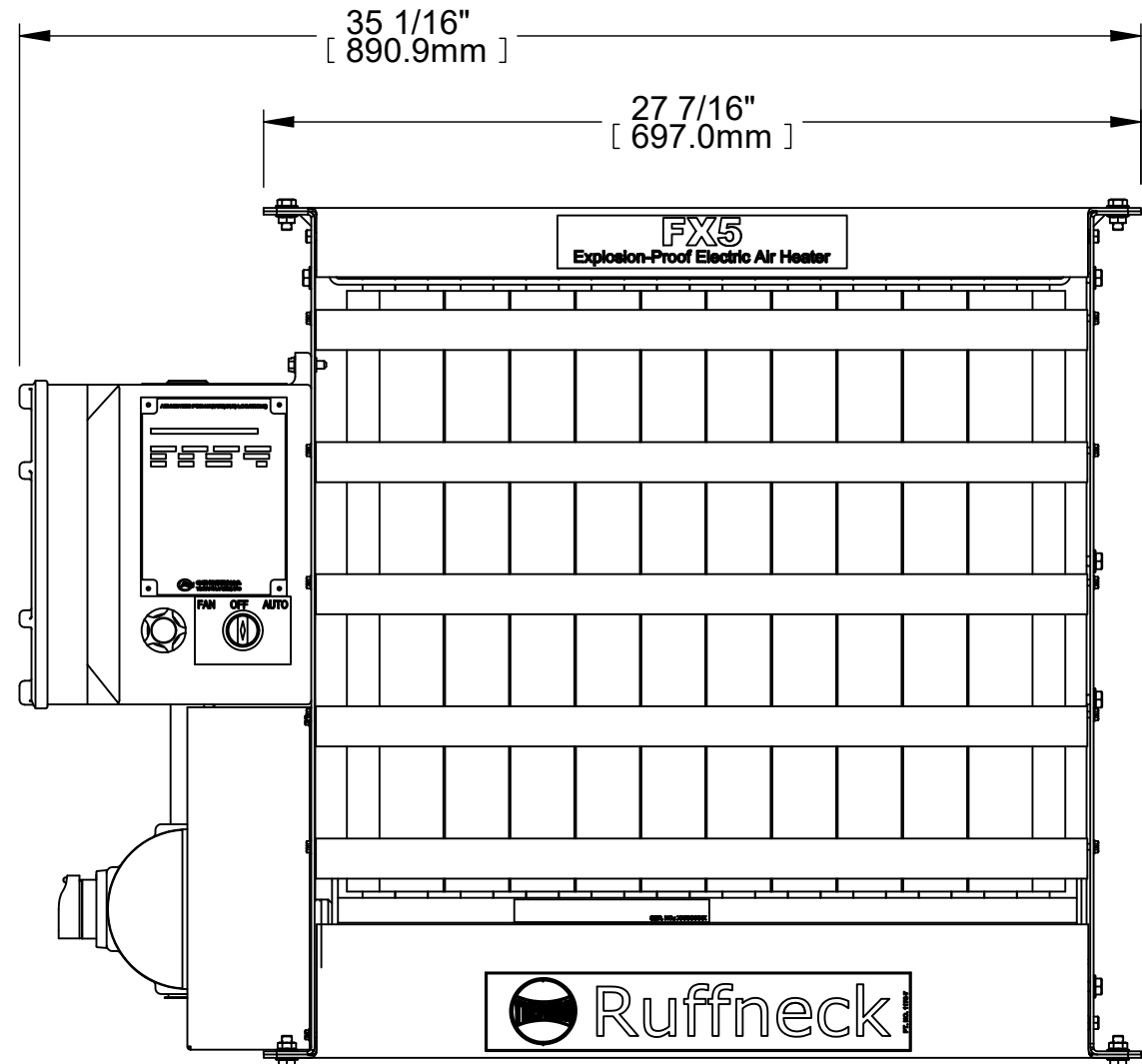
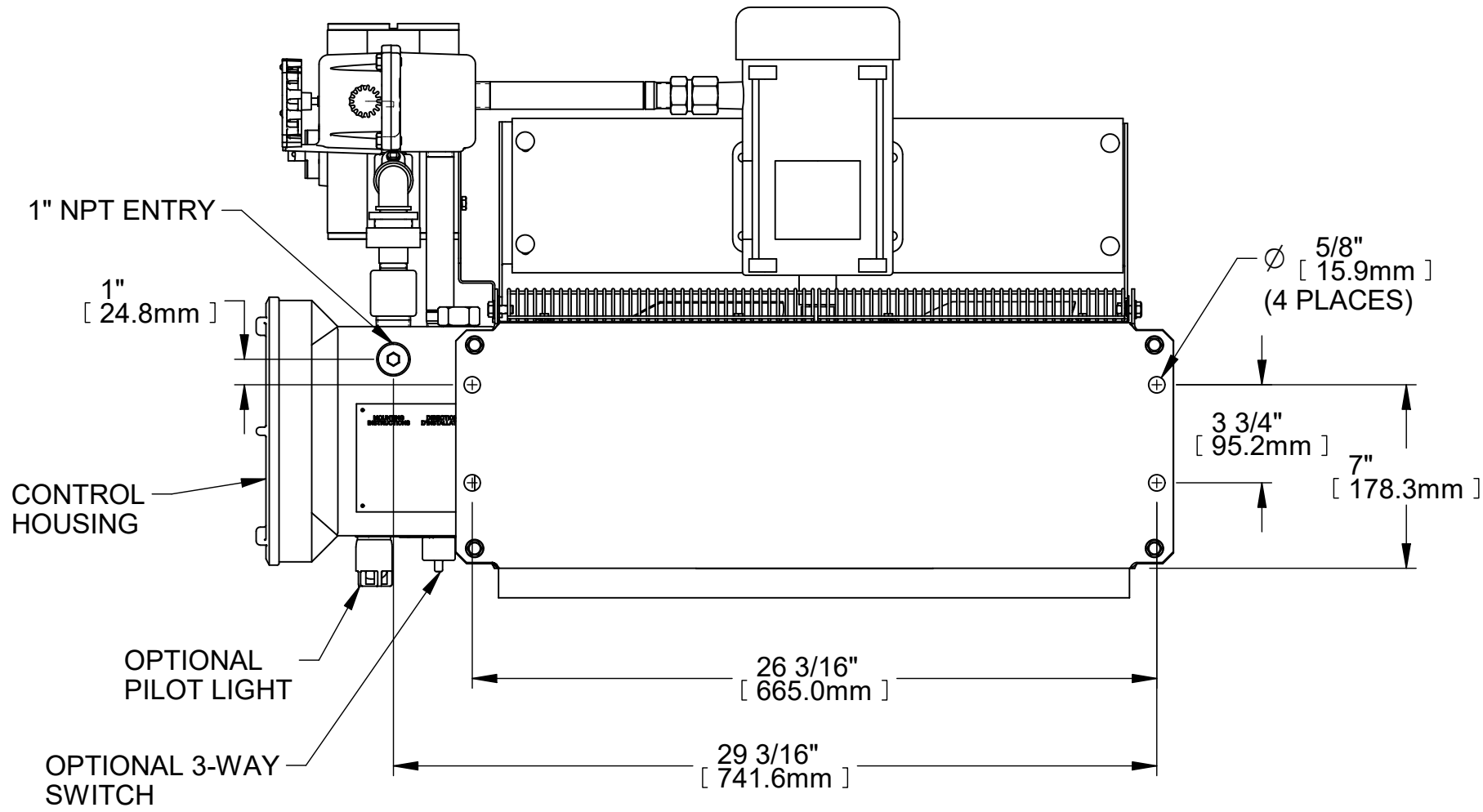
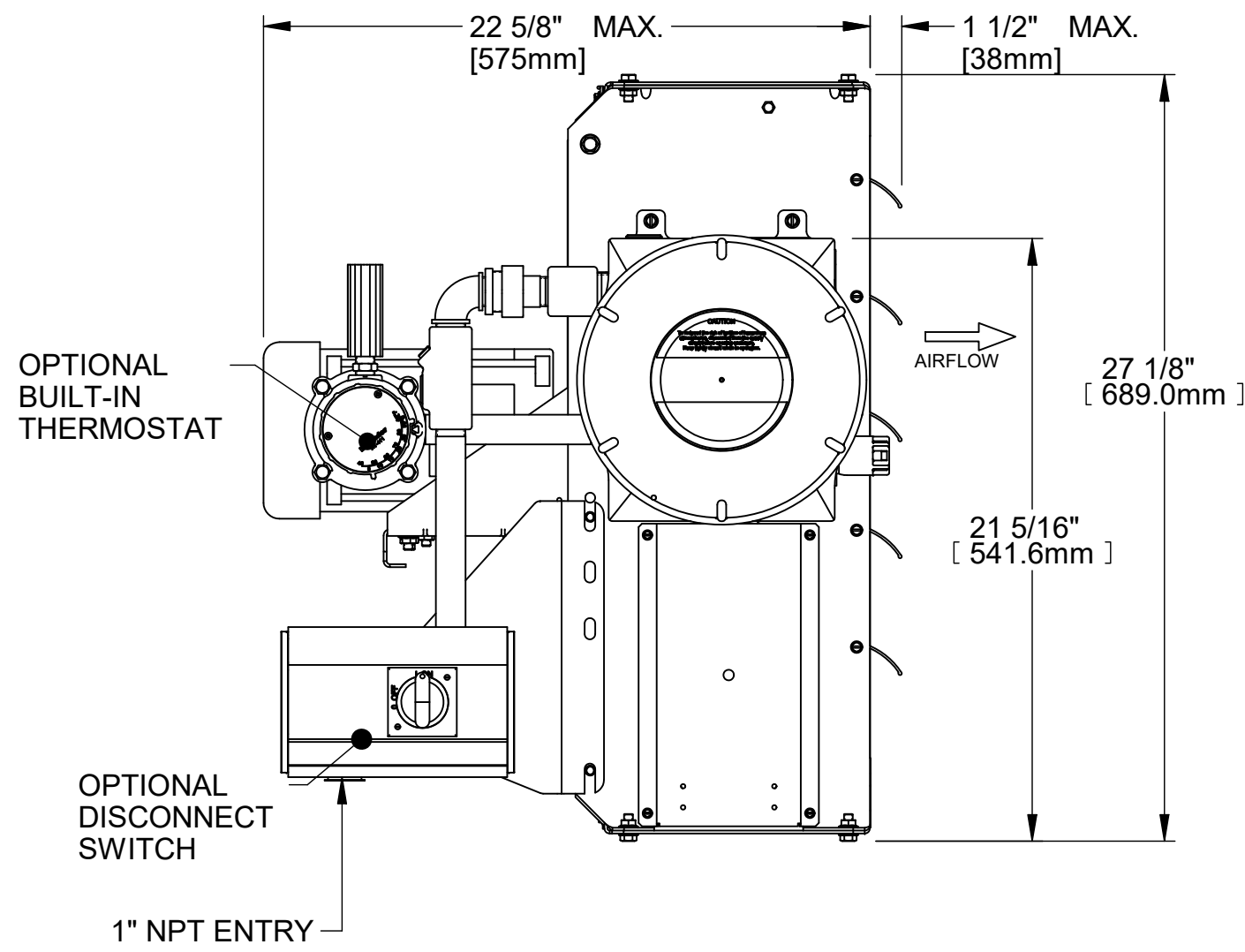
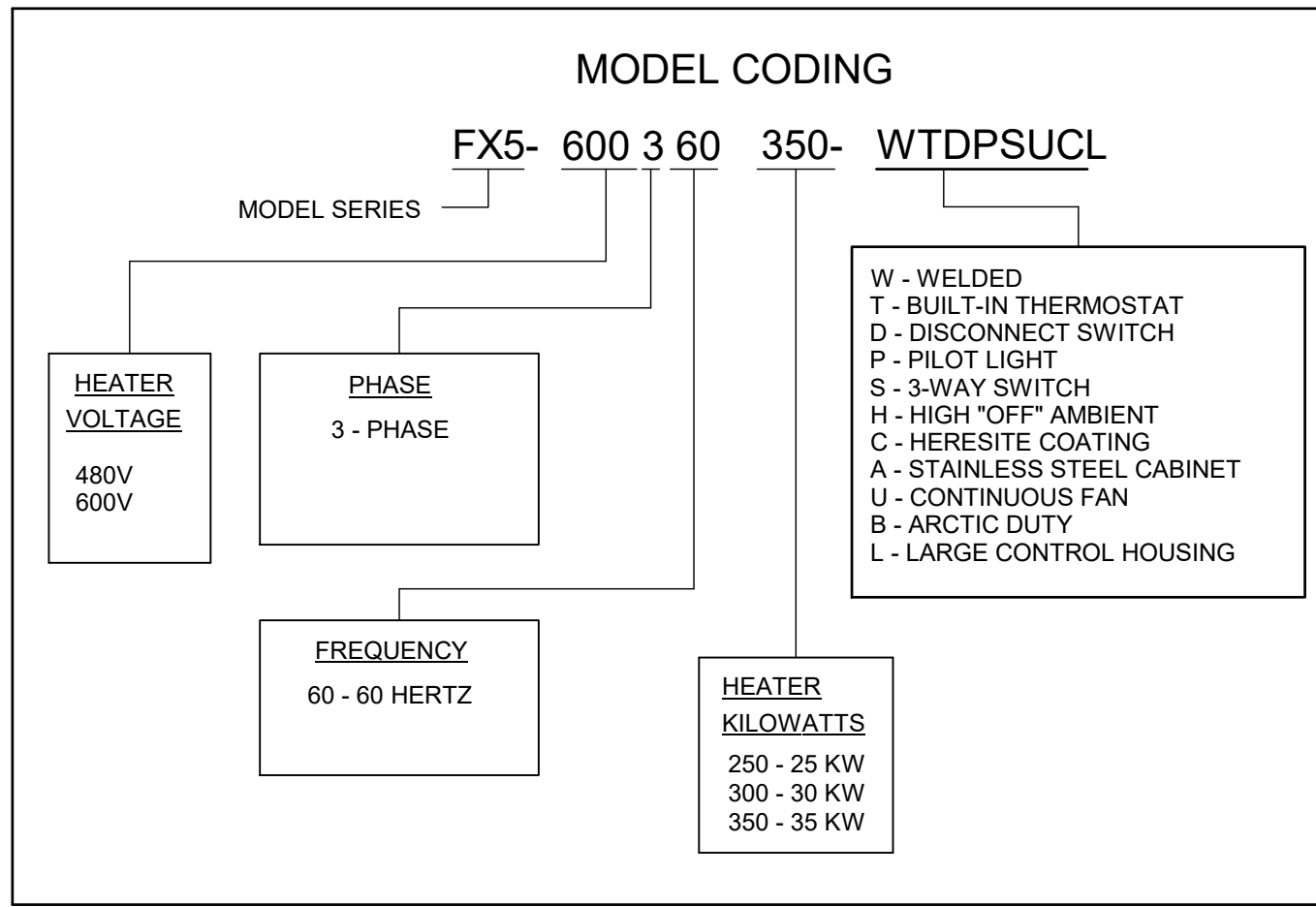


TABLE 1 - SPECIFICATIONS

KW (BTU/HR)	VOLT	PH	TOTAL CURRENT	MIN. CIRCUIT	MAX. FUSE	WIRE SIZE	BASIC MODEL	BUILT-IN THERMOSTAT	3-WAY SWITCH	DISCONNECT SWITCH	CONTINUOUS FAN
20.9 (71,350)	380	3	31.8	39.8	40	8	FX5-380350-209	☐	☐	☐	☐
23.1 (78,850)	400	3	33.3	41.6	45	8	FX5-400350-231	☐	☐	☐	☐
22.4 (76,450)	415	3	31.2	39	40	8	FX5-415350-224	☐	☐	☐	☐
21.0 (71,350)	440	3	27.6	34.4	35	8	FX5-440350-209	☐	☐	☐	☐

NOTES:

1. NET WEIGHT:

Without Disconnect 96 KG [212 LBS]
With Disconnect 102 KG [224 LBS]

2. SHIPPING WEIGHT:

Without Disconnect 119 KG [263 LBS]
With Disconnect 125 KG [275 LBS]

3. MAX. OPERATING AMBIENT TEMP:

40°C [104°F]

4. HAZARDOUS LOCATION CLASSIFICATION:

cULus LISTED FOR THE FOLLOWING LOCATIONS:
CLASS I, DIVISION 1 & 2, GROUPS C & D
CLASS II, DIVISION 1, GROUPS E, F, & G
CLASS II, DIVISION 2, GROUPS F & G
CLASS I, ZONES 1 & 2, GROUPS IIA & IIB

TEMPERATURE CODE:

T3B 165°C [329°F]

5. AIR DELIVERY:

3000 CFM @ 70°F (NOMINAL)
5096 m³/hr @ 21°C (NOMINAL)

6. MATERIALS:

CABINET: 12 GA. CARBON STEEL
RUFFNECK GREEN

CORE: STEEL WITH INTEGRAL ALUMINUM FINS

REV.	REVISION DESCRIPTION				DATE	BY
TITLE: APPROVAL DATA SHEET - FX5 20" 50HZ, LARGE CONTROL HOUSING						
DWG NO.: 50974		SHEET: 2 OF 2		TOLERANCE UNLESS NOTED OTHERWISE		
SYTLINE NO.: 50974		± 1/2° ANGULAR	± - DECIMAL	± 1/8" FRACTIONAL	± 3 mm METRIC	
SCALE: NTS						
DRN BY: MCARGILL	12 AUG 2016					
CHK'D BY: LB						
APP'D. BY: MAN						