



Department of Transportation
Bureau of Construction & Materials

LIST OF PREQUALIFIED TRAFFIC SIGNAL SYSTEMS & EQUIPMENT

PQL – 24.1

REVISED – 1/24/24

NEMA SYSTEMS

SPECIFICATION REFERENCE

- 3.2.2.2 **CONTROLLER (TS Type 1 & Type 2)**
 Econolite
 ASC 3/1000
 ASC 3/2100
 Model COBALT

 Siemens
 EPAC 50 Series
 EPAC 60 Series

 PEEK Traffic
 ATC-1000
 Model 3000E

 Intelight
 TS2
 YCT-X3
 XN Compact ATC Controller

 Trafficware
 Naztec Model 980 ATC TS1/TS2 Type 2 controller
 Naztec Commander ATC TS1/TS2 Type 2 controller
-
- 3.2.2.3 **MALFUNCTION MANAGEMENT UNIT**
 (Conflict Monitor) 12 or 16 Channel
 PEEK Traffic
 SG-1000

 Eberle Design Incorporated (EDI)
 MMU2-16LE
 MMU2-16LE IP
 SSM-12LE

 Reno A & E
 MMU-1600D
 MMU-1600GE
-
- 3.2.2.4 **NEMA LOAD BAY**
 8 LOAD SWITCH
 MoboTrex
 TS1-TF4004
 TS2-TF5008
 HENKE Enterprise
 4P84KDOT

 12 LOAD SWITCH
 MoboTrex
 TS1-TF4008
 TS2-TF5012

NEMA SYSTEMS (continued)	
SPECIFICATION REFERENCE	

3.2.2.4 (cont.)	<p>NEMA LOAD BAY <u>12 LOAD SWITCH</u> HENKE Enterprise 8P128KDOT</p> <hr/> <p><u>16 LOAD SWITCH</u> MoboTrex (TS2) TS1-TF4016 TS2-TF 5016 HENKE Enterprise 8P168KDOT (TS-2)</p>
3.2.2.4.3	<p>SURGE PROTECTOR EDCO ACP-340 SHA-1210 SHA-1250</p> <hr/> <p>HESCO HE1750 HE1800</p>
3.2.2.4.7	<p>CABINET POWER SUPPLY MoboTrex Model CPS150</p> <hr/> <p>Econolite PS-200 TS2</p> <hr/> <p>Eberle Design Incorporated (EDI) PS-250</p> <hr/> <p>Reno A&E CPS-TS2</p>
3.2.2.5.1	<p>LOAD SWITCH Eberle Design Incorporated (EDI) 510 Model – Loadswitch</p> <hr/> <p>Power Distribution Control Corp. (PDC) Model SSS-86-3</p> <hr/> <p>Reno A&E LS-200</p>
3.2.2.5.2	<p>FLASHER Eberle Design Incorporated (EDI) 810 Flasher</p> <hr/> <p>Power Distribution Control Corp. (PDC) Model SSF-86-3</p>

NEMA SYSTEMS (continued)	
SPECIFICATION REFERENCE	

3.2.2.5.2 (cont.)	FLASHER Reno A&E FL-200
3.2.2.5.3	<hr/> FLASHER TRANSFER RELAY Reno A&E TR-200 <hr/> Magnecraft W21ACPXD-5
3.2.2.6	<hr/> CABINET POLE MOUNTED MoboTrex Size 4, Catalog No. EL 763 Size M, Catalog No. EL 702-S1 <hr/> EDC, Inc. Erpel Design Corp., Inc. Size K, Catalog #EDCK 251651C <hr/> PAD MOUNTED Bison Pro-Fab Size 6, #467 Rev. F <hr/> MoboTrex Size M, Catalog No. EL 702 Size M-36, Catalog No. EL 704 Size P, Catalog No. EL 712 Size R, Catalog No. EL 720 <hr/> Econolite Size 5 (M), ECPI-M Size 6 (P44), ECPI-P44 <hr/> EDC, Inc. Erpel Design Corp., Inc. Size M, Catalog #EDCM 301750C Size P, Catalog #EDCP 442655C <hr/> Intelight Size M, NEMA TS2 Cabinet (Size 5) Size P, NEMA TS2 Cabinet (Size 6) <hr/> PEDESTAL MOUNTED MoboTrex Size 4, Catalog No. EL 762 Size M-36, Catalog No. 704-S2 <hr/> Econolite Size 4 (K), ECPI-K <hr/> EDC, Inc. Erpel Design Corp., Inc. EDCK 251651C

NEMA SYSTEMS (continued)
SPECIFICATION REFERENCE

3.2.2.7

BUS INTERFACE UNIT

MoboTrex

BIU 100

Eberle Design Incorporated (EDI)

BIU 700

Econolite

BIU-64

Peek Traffic

BIU 2012

Reno

BIU/2

BIU 1200

2070 SYSTEMS
SPECIFICATION REFERENCE

3.2.3.4

CABINET

POLE MOUNTED

McCain Traffic Supply

Model 336A Controller Cabinet

Model 336S Controller Cabinet

Econolite

Model 336A

MoboTrex

Model 336L Cabinet

PAD MOUNTED

McCain Traffic Supply

Model 332A Controller Cabinet

Model 332B Controller Cabinet

Econolite

Model 332

Model 336S

MoboTrex

Model 332L Cabinet

Siemens

332L Cabinet - Caltrans

2070 SYSTEMS (continued)
SPECIFICATION REFERENCE

3.2.3.5	CONTROLLER Intelight YCT-2070LC _____ Yunex Traffic, A Siemens Business 2070LX _____ Trafficware Naztec 2070C/LX ATC Controller
3.2.3.7	CONFLICT MONITOR Eberle Design Incorporated (EDI) 2010 ECL 2010 ECL IP Reno Reno 2018
3.2.3.8	FLASHER Eberle Design Incorporated (EDI) Model #EDI 810 _____ Power Distribution Control Corp. Model SSF-87 _____ Reno A&E FL-200 _____ Traffic Sensor Corporation TSC Model #304
3.2.3.9	LOAD SWITCH Eberle Design Incorporated (EDI) 510 Model – Load switch _____ Power Distribution Control Corp. Model SSS-87 Model SSS-87 I/O _____ Reno A&E LS-200 _____ Traffic Sensor Corporation TSC Model #300
3.2.3.10	FLASH TRANSFER RELAY Magnecraft W21ACPXD-5 _____ Reno A&E TR-200
3.2.3.11	SURGE PROTECTOR EDCO ACP-340 SHA-1210 SHA-12101RS

SHA-1250

2070 SYSTEMS (continued)
SPECIFICATION REFERENCE

3.2.3.10 **FLASH TRANSFER RELAY**

Magnecraft
W21ACPXD-5

Reno A&E
TR-200

3.2.3.11 **SURGE PROTECTOR**

EDCO
ACP-340
SHA-1210
SHA-12101RS
SHA-1250

3.2.3.12 **DC ISOLATOR MODEL 242**

Power Distribution Control Corp.
Model DCI-82-242
Eberle Design Incorporation (EDI)
242-J Model
Reno
Reno 242

3.2.3.13 **AC ISOLATOR MODEL 252**

Power Distribution Control Corp.
Model ACI-88-252

DETECTION SYSTEMS
SPECIFICATION REFERENCE

3.2.4.1 **LOOP DETECTOR SYSTEM**

TWO CHANNEL

Global Traffic Technologies
Model Canoga C922

Eberle Design Incorporated (EDI)
Model LMD 622
Model LMD 622T

RENO A&E
Model GT-200

FOUR CHANNEL

Global Traffic Technologies
Model Canoga C924

Eberle Design Incorporated (EDI)
Model LMD 624H

RENO A&E

Model Y/Z-200-SS

DETECTION SYSTEMS	
SPECIFICATION REFERENCE (Cont.)	

3.2.4.2 **VIDEO DETECTION SYSTEM (VDS)**
 Econolite
 Rackvision Pro 2 (RVP2)
 Autoscope Vision

 Iteris
 Vantage Vector (Combination Video & Radar System)
 Vantage Edge 2 processor
 RZ-4 Advanced WDR System

 Flir
 BCH-AZ10X30-115x camera
 VIP30x processor

3.2.4.3 **RADAR DETECTION SYSTEM (RDS)**
 Iteris
 Vantage Vector (Combination Video & Radar System)
 Vantage Edge 2 Processor

 Wavetronix – **Presence** Detection
 SmartSensor Matrix
 Intersection Preassembled Backplate –AC
 Click 650 Processor
 Click 656 Processor

 Wavetronix – Advance Detection
 SmartSensor Advance detector
 SmartSensor Advance Extended Range detector

GENERAL SIGNAL EQUIPMENT	
SPECIFICATION REFERENCE	

3.2.5.1.1 **SIGNAL HEAD - STANDARD VEHICLE**
 McCain Traffic Supply Vehicle Signals
 Polycarbonate

 MoboTrex
 "SA" Polycarbonate Vehicle Signal

 Econolite
 12-inch Polycarbonate Signal

 Peek Traffic Systems
 Polycarbonate Vehicle Signals

 North American Signal
 Polycarbonate Vehicle Signals

GENERAL SIGNAL EQUIPMENT

SPECIFICATION REFERENCE

3.2.5.1.2

LED ARROW MODULE

Dialight Corporation

LED (Red) Part No. 432-1314-001XOD

LED (Yellow) Part No. 431-3334-901XOD

LED (Green) Part No. 432-2324-001XOD

Duralight

JXJ 300-07 Series LED Arrows

JXJ-300VIE Series LED Arrows

Act One Communications, Inc.

LED (Red) TA-12R-4 Arrow

LED (Yellow) TA-12A-4 Arrow

LED (Green) TA-12G-4 Arrow

Leotek

LED Arrows TSL-12RA, YA, GA

GE (GT1 LED Arrow (12"))

Tinted RED DR6-RTAAN-17A

Clear RED DR6-RCAAN-17A

Tinted YELLOW DR6-YTAAN-17A-YX

Clear YELLOW DR6-YCAAN-17A-YX

Tinted GREEN DR6-GTAAN-17A

Clear GREEN DR6-GCAAN-17A

3.2.5.1.3

LED MODULE

Act One Communications, Inc.

LED (Red) T1-12R-4

LED (Yellow) T1-12A-1

LED (Green) T1-12G-1

Dialight Corporation

LED (Red) Part No. 433-1210-003XL

LED (Yellow) Part No. 433-3230-901XL

LED (Green) Part No. 433-2220-001XL

Duralight

JXC 300-07 Series LED Traffic Signal Lamps

JXC 300 HF Series LED Traffic Signal Lamps

Leotek

TSL-12R-LX-IL6-A1-P3

TSL-12Y-LX-IL6-A1-P3

TSL-12G-LX-IL6-A1-P3

National Sign and Signal Company

LED Traffic Signal Retrofit Lamps – 12" Red Module

GE

VLA Model LED Signal Modules 12"

GENERAL SIGNAL EQUIPMENT
SPECIFICATION REFERENCE

3.2.5.2	PEDESTRIAN TRAFFIC HEADS MoboTrex "SG" Polycarbonate Pedestrian Signal _____ McCain Traffic Supply Pedestrian Signals _____ National Sign and Signal Company LED Pedestrian Signal Retrofit Kit _____ Peek Traffic Systems Polycarbonate Pedestrian Signals _____ Dialight Corporation Count-down Pedestrian Signal Part No. 430-6479-001X _____ North American Signal Polycarbonate Pedestrian Signals
3.2.5.2.1 & 3.2.5.2.2	LED PEDESTRIAN SIGNALS Duralight JXM 300/400 VIA Series LED Traffic Signal Lamps _____ Dialight Model 430-6479-001X _____ Leotek TSL-PED-16-CIL TSL-PED-16-CD TSL-PED-16-SPC-V1 _____ GE LED Count-down Pedestrian Signals 16 x 18 inch
3.2.5.3	OPTICALLY LIMITED SIGNAL HEADS McCain Traffic Supply Model FS595A 13538 (Fed. Yellow) with black doors & visor
3.2.6.1	SIGNAL MOUNTING BRACKET MAST ARM Pelco Products, Inc. Astro-Brac Series, AB-0116 Astro-Brac Series, AB-0125 Astro-Brac Series, AG-0125 Astro-Brac Series, AS-0125 _____ SkyBracket SB Series SS-SB Series SBC Series SS-SBC Series

GENERAL SIGNAL EQUIPMENT	
SPECIFICATION REFERENCE	
3.2.6.2	SIGNAL MOUNTING BRACKET SIDE-OF-POLE Component Products, Inc. CPI-50 PB [TSP-880] Siemens P/N PDM 405
3.2.7	BACK PLATE Gades Sales Co., Inc. Vacuum Formed Plastic Backplate, BP483PO BP485DHPO BP484PO BP485PO Mid-American Signal, Inc. One Piece Vacuum Formed Backplate McCain Traffic Supply Vehicle Signal Backplate North American Signal One Piece Vacuum Formed Backplate Pelco Products, Inc. Model BK-1003 Model BK-1005
3.2.8	PEDESTRIAN PUSHBUTTON Pelco Products, Inc. ADA Round-SE2091-1039
3.2.8.1	ACCESSIBLE PEDESTRIAN SIGNALS (APS) Campbell Company Advanced Accessible Pedestrian Station (AAPS) APB 915 Sign (9"x15") APC III (control unit) (2 wire) Advisor Guide Accessible Pedestrian Station (AGPS) AGPS 915 Sign (9" x 15") (4 wire) Pelco Products, Inc. IntelliCross APS System (9" x 15") Polara Navigator APS EN23T (2 wire with 9"x15" MUTCD R10-3e) EN43T(4 wire with 9"x15" MUTCD R10-3e)
3.2.9	PEDESTRIAN SIGN Gades Sales Co., Inc. R10-3e Pelco Products, Inc. SF-1074 Pedestrian Sign

Work Zone Company

GENERAL SIGNAL EQUIPMENT (continued)
SPECIFICATION REFERENCE

3.2.10	STEEL TRAFFIC SIGNAL POLE Valmont Maico
3.2.11	ALUMINUM TRAFFIC SIGNAL PEDESTAL Component Products Inc. CPI-AP [Length] Pole CPI-APC-1 Pole Cap CPI-BAS-1 BASE Gades Sales Co., Inc. Pelco Products, Inc. Spun Aluminum Pole – PB5100-L Anchor Bolt Set – PB 5306 Alum. Sq. Base Assy. – PB 5335 Pole Cap – PB 5402
.2.12	TERMINAL BLOCK Cembre Zeta Block Marathon Special Products Kulka 602 GP 24 Terminal Blocks Vernitron Electrical Components Series 21000-30 AMP
3.2.13	JUNCTION BOX – IN GROUND POLYMER REINFORCED CONCRETE American Polymer Company (APC) PC3048-36 Tier 22 Armorcast Products A6001423TA Oldcastle/Carson Industries, LLC H Series, HLW 1212 CDR Systems Corporation SA14-1212-12 GlasMaster Boxes Model No. AP111812P22H Cover Model AP111818P22H Model No. AP173018P22H Cover Model AP173024PSSH Model No. AP243624P Cover Model AP243636P22H Model No. AP304824M22H Cover Model AP304836M22H Highline Products PHA 121212HD Newbasis PCA 111812-00030 PCA 243624-00030

PCA 243636-00030
PCA 304830-00062

GENERAL SIGNAL EQUIPMENT (continued)
SPECIFICATION REFERENCE

**JUNCTION BOX – IN GROUND
POLYMER REINFORCED CONCRETE**

Oldcastle/Synertech
S1212HFAOA

Hubbell/Quazite
Model#: PC1212

**JUNCTION BOX – IN GROUND
HDPE- HIGH DENSITY POLYETHYLENE**

Channell
BULK & SHIELD (Tier 15 or Tier 22 Load Category)

3.2.14 **JUNCTION BOX – ABOVE GROUND**

3.2.15 **SERVICE BOX**

POLYMER REINFORCED CONCRETE

Armorcast Products
A6001974HDAPCx36 (24*36*36)
A6001430HDAPCx36 (30*48*36)
A6001460HDAPCx36 (30*60*36)
A6001430HDAPCx36 (36*60*36)
A6001974TAPCx36 (24*36*36)
A6001430TAPCx36 (30*48*36)
A6001460TAPCx36 (30*60*36)
A6001430TAPCx36 (36*60*36)

Carson Industries, LLC
Model H2436-36

CDR Systems Corporation
SA12-2700-36

Highline Products
PHA 243624

Newbasis
FCA 270036T-00030

Hubbell/Quazite
PG 2436

Synertech
S2436HCBOA

**SERVICE BOX
CONCRETE**

McPherson Concrete Service Box
24" I.D. x 36" DEEP (600mm x 900mm)

GENERAL SIGNAL EQUIPMENT (continued)	
SPECIFICATION REFERENCE	
3.2.15 (cont'd.)	SERVICE BOX CAST IRON COVER Deeter Foundry, Inc. 1720 Walkway Ring and Cover 1981 Inlet Ring and Cover 2000 Ring and Cover
3.2.16	LUMINAIRES (see PQL 24.2)
3.2.17	LUMINAIRE LAMPS (see PQL 24.2)
3.2.18	PHOTOCELLS (see PQL 24.2)
3.2.20	FUSED STREET LIGHT CONNECTOR KIT (see PQL 24.2)
3.2.20.1	FUSEHOLDERS & FUSES (see PQL 24.2)
3.2.21	OVERHEAD STREET SIGNS Gades Sales Co., Inc. Luther Sign Co. Newman Sign Co. Work Zone Company
3.2.23	BLANK OUT SIGN (LED or FIBER OPTIC) DUAL INDICATION TURN ARROW National Sign & Signal Co. Dual Color Fiber Optic Turn Arrow Kit. Fiber Optic Blank Out Sign Traffic Sign Technology Fiber Optic Regulatory Blank Out Signs
3.2.24	ENTRANCE HEAD Blackburn Type DEH O-Z Gedney Type ECO
3.2.25	SERVICE ENCLOSURE – LOAD CENTER Siemens Type 3R Square D Type 3R

GENERAL SIGNAL EQUIPMENT (continued)	
SPECIFICATION REFERENCE	
3.2.26	CIRCUIT BREAKERS Siemens Q One Pole _____ Square D QO One Pole _____
3.2.27	GROUND ROD Blackburn No. 7510 _____ Galvan Part No. 7510 (3/4" x 10'), Copper-coated _____
3.2.28	GROUND ROD CLAMP Blackburn No. JAB34H _____ Galvan Part No. 7510 _____ ERITCH Part No. 613400 _____
3.2.29	SERVICE WIRE – TYPE USE-2 Anixter Class B, Bare Copper, Stranding per ASTM B-8 _____ Encore Wire USE-2 Copper Conductor _____ Essex Cross-Link Type USE-2 _____ Rome Cable Corp. Rome USE-2 _____ Service Wire Co. XLP USE-2 _____ Southwire USE-2 _____
3.2.30	LIGHTING DISTRIBUTION WIRE – TYPE USE-2 (see PQL 24.2)
3.2.31	POLE & BRACKET WIRE – TYPE USE-2 (see PQL 24.2)
3.2.32	GROUND WIRE – SOLID BARE COPPER American Insulated Wire, Solid Bare Copper _____ Anixter, Solid B-3 _____ Encore Wire, Solid ASTM B-3 _____ Service Wire Co., Solid Bare Copper

Southwire, Solid Bare Copper ASTM B-3

GENERAL SIGNAL EQUIPMENT (continued)

SPECIFICATION REFERENCE

3.2.33

MULTI-CONDUCTOR CABLE – IMSA 19-1/IMSA 20-1

Alcatel Wire & Cable Inc.

IMSA Type 19-1, Traffic Control Cable

Advanced Digital Cable, Inc.

IMSA Type20-1 Stranded Conductor Signal Cable

Anixter

IMSA 19-1, Stranded Conductor, Polyethylene Insulation

Belden

Duct Signal Cable IMSA 19-1/IMSA 20-1

BSCC

Type IMSA 19-1

Alcatel Wire & Cable Inc.

IMSA Type 19-1, Traffic Control Cable

Advanced Digital Cable, Inc.

IMSA Type20-1 Stranded Conductor Signal Cable

Anixter

IMSA 19-1, Stranded Conductor, Polyethylene Insulation

Belden

Duct Signal Cable IMSA 19-1/IMSA 20-1

BSCC

Type IMSA 19-1

Coleman Cable

14 AWG/7 conductor per IMSA 19-1

Part #559107-XX-08

Coleman Cable

14 AWG/7 conductor stranded with jacket per IMSA 20-1

Part #559307-XX-08

Janor Wire & Cable Corp.

Traffic Control Cable IMSA 19-1

Service Wire Co.

Multi Conduction Cable

TW Cable, (LLC)

Aerial & Duct Signal Cable, IMSA 19-1

3.2.34

SHIELDED DETECTOR LEAD-IN CABLE-IMSA 50-2

Alcatel

IMSA-Type 50-2 Loop Lead-In Cable

Anixter

IMSA-50-2 Loop Detector Lead-In

Belden

Signal Loop Detector Cable & Wires Lead-In IMSA 50-2
BSCC
IMSA 50-2

GENERAL SIGNAL EQUIPMENT (continued)
SPECIFICATION REFERENCE

3.2.34 (cont'd) **SHIELDED DETECTOR LEAD-IN CABLE-IMSA 50-2**

Coleman Cable
2 conductor IMSA 50-2
Part #513258-XX-08
Janor Wire & Cable Corp.
Loop and Lead-In Cable, IMSA 50-2
TW Cable, (LLC)
IMSA 50-2 Lead-In Cable

3.2.35 **DETECTOR LOOP WIRE – IMSA 51-5**

Alcatel
51-5 Tube-Loop Detector Wire
Anixter
IMSA – 51-5 Loop Detector
Belden
IMSA – 51-5 Loop Detector Wire
BSCC
IMSA 51-5
Coleman Cable
14 AWG/1 conductor in tube per IMSA 51-5
Part #513264-XX-08
Janor Wire & Cable Corp.
Loop and Lead-In Cable, IMSA 51-5
Service Wire Co.
Detector Loop Wire
TW Cable, (LLC)
Traffic Tube Loop Cable, IMSA 51-5

3.2.36 **LOOP SEALANT**

Chem Rex, Inc.
Gold Label 1P Loop Sealant
Chemque
Q-SEAL 290S
The Ruscoe Company
Ruscoe PS-2000
3M
Bondo No. 575
Black 5000
Gray 5794
Pecora Corporation
Urexpan NR-201

GENERAL SIGNAL EQUIPMENT (continued)

SPECIFICATION REFERENCE

3.2.37

PRE-FORMED LOOP

Detech Manufacturing

Model HDR

Never-Fail preformed loops

Models A, C, & F

Patriot Detection

Preformed Inductive Loops (P-ILDs)

Reno

PLH Preformed Loop

3.2.38.1

GALVANIZED RIGID STEEL CONDUIT

Allied Pipe

Galvanized Rigid Conduit

Maverick CMP, Inc.

Republic Conduit Galvite Electrical Rigid Metal Conduit

Western Tube

GRC Conduit

Wheatland Tube Company

Hot-Dipped GRC

GALVANIZED STEEL CONDUIT FITTINGS & ELBOWS

Conduit Pipe Products

Galvanized Elbows & Fittings

Picoma

Electrical Metallic Conduit Fittings

Robroy Industries

Electrical Conduit Fittings & Elbows

INSULATED GROUNDING BUSHINGS

O-Z/Gedney

Zinc Grounding Type Insulated Bushings

3.2.38.2

PVC CONDUIT

Contex

Schedule 40 Conduit

Schedule 80 Conduit

Allied Tube & Conduit

Schedule 40 PVC Electrical Conduit

Schedule 80 PVC Electrical Conduit

Carlou

Schedule 40 PVC Rigid Nonmetallic Conduit

Schedule 80 PVC Rigid Nonmetallic Conduit

Cantex

Schedule 40 Nonmetallic Conduit Fittings
Schedule 80 Nonmetallic Conduit Fittings

GENERAL SIGNAL EQUIPMENT (continued)
SPECIFICATION REFERENCE

3.2.38.2 (cont.)

PVC CONDUIT ELBOWS

Allied Tube & Conduit
Schedule 40 Fittings
Schedule 80 Fittings

Carlson
Schedule 40 Fittings

Cantex
Schedule 40 Nonmetallic Elbows
Schedule 80 Nonmetallic Elbows

Allied Tube & Conduit
Schedule 40 Elbows
Schedule 80 Elbows

Carlson
Schedule 40 Elbows
Schedule 80 Elbows

3.2.38.3

POLYETHYLENE CONDUIT (HDPE)

Dura-line
Endot Enduct
PetroFlex
United Poly Systems
Blue Diamond

3.2.38.4

FIBERGLASS CONDUIT

Champion Fiberglass Conduit

3.2.39

EXPANSION FITTINGS

Cantex
Expansion Couplings- Two Piece

O-Z Gedney
Expansion Fitting Type AX
Expansion Fitting Type AX-8

Gafco Green
Expansion Fitting Type AF (4" conduit movement)
Expansion Fitting Type AF8 (8" conduit movement)
Deflection/Expansion Fittings Type DF
Bonding Jumper Type AJ & AJE

GENERAL SIGNAL EQUIPMENT (continued)
SPECIFICATION REFERENCE

- 3.4.1 **BATTERY BACKUP SYSTEM (BBS)/UNINTERRUPTED POWER SYSTEM (UPS)**
 - TSI Power
 - Outdoor-XUPS-600
 - Outdoor-XUPS-1500
 - Outdoor-XUPS-3000B

 - Gades Battery Side Mount BBS System
 - Alpha Technologies
 - Alpha FXM 1100 (UPS Module)

 - Marathon Battery Back-up System