Part 1 – General

1.1 Summary

A. Related work specified elsewhere includes:
   1. Rough carpentry.
   2. Finish carpentry and millwork.
   3. Metal support systems.
   4. Gypsum board systems.
   5. Painting.
   7. Electrical.

1.2 Submittals

A. Product data: Indicate product description, including compliance with specified requirements and installation requirements. Mark manufacturer's brochures to include only those products proposed for use.

1.3 Quality Assurance

A. Applicable standards; standards of the following, as referenced herein:
   1. Aluminum Association (AA).

B. ** Allowable tolerances in horizontal planes:
   1. Variation from level: +1/8" in 12'-0".
   2. Variation in plane of adjacent wallboard panels prior to joint treatment: 1/16". **

C. ** Allowable tolerances in framed vertical construction.
   1. Position: +1/4" maximum variation from design position.
   2. Alignment: 1/8" in 8'-0"; 1/4" maximum in any continuous wall, line or surface.
   3. Surface smoothness: No joint or fastener location, roughness or blemish discernible after application of finish when viewed at any angle from a distance of 5'-0" under occupancy lighting conditions, with surface preparation as specified in Painting section. **

1.4 Delivery, Storage and Handling

A. Storage:
   1. Stack LED Reveals off floor on pallets or similar platforms providing continuous support to prevent sagging. Stack so that long lengths
   2. Handle material to prevent damage to surfaces, edges and ends of extruded metal items. DO NOT DAMAGE EXPOSED ENDS OF LED STRIPS. Reject and remove damaged material from site.

B. Handle materials to prevent damage to surfaces, edges and ends of sheet metal items. Reject and remove damaged material from site.

Part 2 - Products

2.1 Manufacturer:

A. Acceptable manufacturer; subject to compliance with specified requirements:

   Fry Reglet Corporation
   1377 Stonefield Court
   Alpharetta, GA 30004
   Phone 800-237-9773 Fax 800-200-4379
2.2 Materials and finish:

A. Clear Anodized finish (Standard):

2.3 Led Reveals:

A. LED ½" Reveal – 1/2" depth with 1/2" lighted opening
   1. Acceptable Product: Number LED-RVL5050
   2. Characteristics:
      a. Description: LED Reveal 5050 shall create a lighted horizontal or vertical recessed reveal.
      c. Lengths: Specify **1' to 10'**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, or **4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**

B. LED 1" Reveal – 1/2" depth with 1" lighted opening
   1. Acceptable Product: Number LED-RVL50100
   2. Characteristics:
      a. Description: LED Reveal 50100 shall create a lighted horizontal or vertical recessed reveal.
      c. Lengths: Specify **1' to 10'**
      d. LED Tape: 20mm
      e. Light Intensity: **520 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, **4000**, **5000** or **6000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**

C. LED F Reveal – 1/2" depth with 1/2" lighted opening
   1. Acceptable Product: Number LED-RVLF5050
   2. Characteristics:
      a. Description: LED F Reveal 5050 shall create a lighted horizontal or vertical recessed reveal.
      c. Lengths: Specify **1' to 10'**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, or **4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**

D. LED Edge – 1/2" depth with 1/2" lighted opening
   1. Acceptable Product: Number LED-EDGE
   2. Characteristics:
      a. Description: LED Light Edge shall create a lighted horizontal or vertical recessed reveal.
      c. Lengths: Specify **1' to 10'**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**
E. LED 3/4" Reveal – 1/2" Radius with 3/4" lighted opening.
   1. Acceptable Product: Number LED-RVL75
   2. Characteristics:
      a. Description: LED Reveal 75 shall create a lighted horizontal or vertical recessed reveal.
      c. Lengths: Specify **1’ to 10’**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch **

F. LED Contemporary Drywall Reveal Molding – 2", 3" or 4" reveal 1/2" light opening at each side:
   1. Acceptable product: Number LED-CDRM200, LED-CDRM300, or LED-CDRM400.
   2. Characteristics:
      a. Description: LED CDRM (Contemporary Reveal Molding) shall create a lighted horizontal or vertical recessed reveal.
      c. Lengths: Specify **1’ to 10’**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch **

G. LED 4" Cove – 4" Diameter:
   2. Characteristics:
      a. Description: 4" Light cove shall create a lighted horizontal recessed reveal.
      c. Lengths: Specify **1’ to 10’**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch **

H. LED 4" Trough – 4" Diameter
   1. Acceptable Product: Number LED-TR4
   2. Characteristics:
      a. Description: 4” Light cove shall create a lighted horizontal recessed reveal.
      c. Lengths: Specify **1’ to 10’**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch **

I. LED 1 1/2" Cove – 1 ½" Diameter
   1. Acceptable Product: Number LED-CV150
   2. Characteristics:
      a. Description: 1 ½" Diameter light cove shall create a lighted horizontal recessed reveal.
      c. Lengths: Specify **1’ to 10’**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC,
J. LED 4” Base
1. Acceptable Product: Number LED-BS4
2. Characteristics:
   a. Description: 4” Flat base shall create a lighted horizontal recessed reveal.
   c. Lengths: Specify **1’ to 10’**
   d. LED Tape: 10mm
   e. Light Intensity: **330 or 550 lumens**
   f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
   g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC,**
      Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch **

K. LED Flat Base (Variable Height)
1. Acceptable Product: Number LED-FLATBS
2. Characteristics:
   a. Description: Flat base shall create a lighted horizontal recessed reveal.
   c. Lengths: Specify **1’ to 10’**
   d. LED Tape: 10mm
   e. Light Intensity: **330 or 550 lumens**
   f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
   g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC,**
      Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch **

L. LED Drywall Molding Glazing Track
1. Acceptable Product: Number LED-DMGT
2. Characteristics:
   a. Description: LED DMGT shall create a lighted horizontal recessed reveal.
   c. Lengths: Specify **1’ to 10’**
   d. LED Tape: 10mm
   e. Light Intensity: **330 or 550 lumens**
   f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
   g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC,**
      Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch **

M. Drywall molding end closure
1. Acceptable product: Number DMEC.
2. Characteristics:
   a. Description: Molding shall terminate wall, partition or cased opening, use with LED-
      DMGT.
   c. Dimensions: **     ** As indicated on drawings. **

N. LED Millwork U Channel
1. Acceptable Product: Number LED-MWU
2. Characteristics:
   a. Description: LED Millwork U Channel shall create a lighted horizontal or vertical
      recessed reveal in millwork applications.
   c. Lengths: Specify **1’ to 10’**
   d. LED Tape: 10mm
   e. Light Intensity: **330 or 550 lumens**
   f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
   g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC,**
      Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch **
O. **LED Millwork Channel**
   1. Acceptable Product: Number LED-MWR
   2. Characteristics:
      a. Description: LED Millwork Channel shall create a lighted horizontal or vertical recessed reveal in millwork applications.
      c. Lengths: Specify **1’ to 10’**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**

P. **LED Millwork Channel w/ Return Keys**
   1. Acceptable Product: Number LED-MWC
   2. Characteristics:
      a. Description: LED Millwork Channel w/ Return Keys shall create a lighted horizontal or vertical recessed reveal.
      c. Lengths: Specify **1’ to 10’**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**

Q. **LED Millwork F Channel**
   1. Acceptable Product: Number LED-MWRF
   2. Characteristics:
      a. Description: LED Millwork F Channel shall create a lighted horizontal or vertical termination at end of millwork.
      c. Lengths: Specify **1’ to 10’**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**

R. **LED Millwork F Channel w/ Return Key**
   1. Acceptable Product: Number LED-MWCF
   2. Characteristics:
      a. Description: LED Millwork F Channel w/ Return Key shall create a lighted horizontal or vertical termination at end of millwork.
      c. Lengths: Specify **1’ to 10’**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**

S. **LED Millwork F Channel Base**
   1. Acceptable Product: Number LED-MWRF + Sheared Material
   2. Characteristics:
      a. Description: LED Millwork F Channel Base shall create a lighted horizontal or vertical termination at the base of millwork. Sheared material applied below MWRF to create a base, various heights.
      c. Lengths: Specify **1’ to 10’**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**

T. LED Millwork F Channel w/ Return Key Base
   1. Acceptable Product: Number LED-MWCF + Sheared Material
   2. Characteristics:
      a. Description: LED Millwork F Channel w/ Return Key Base shall create a lighted horizontal or vertical termination at the base of millwork. Sheared material applied below MWCF to create a base, various heights.
      c. Lengths: Specify **1' to 10'**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**

U. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**

V. LED Millwork 135° Outside Corner Channel
   1. Acceptable Product: Number LED-MWCOSC
   2. Characteristics:
      a. Description: LED MWCOSC Lighted Millwork Outside Corner shall create a lighted Vertical recessed reveal.
      c. Lengths: Specify **1' to 10'**
      d. LED Tape: 10mm
      e. Light Intensity: **330 or 550 lumens**
      f. Kelvin Temperature Specify: **2700**, **3000**, **3500**, OR**4000**
      g. Driver: **PWM-90-24 AC-DC, 24VDC, 0-10Vdc** or **M96L24 DC-AR, 24VDC, Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch**

Part 3 - Execution

3.1 Installation:

Install LED gypsum wallboard accessories in accordance with manufacturer's product data and as follows:

A. Fasten reveal through board to framing on 16" centers.

B. Joint treatment: Finish joints and attachment flanges as specified in Gypsum Board Systems section.

C. Dust surfaces and leave ready for decoration. Joint and fastener treatment shall be indistinguishable in finished work.

D. Insert LED reveal in horizontal or vertical opening and install LED connectors.

3.2 Protection

A. Protect LED reveals from damage until date of Substantial Completion. Replace LED Reveals which become damaged.

End of Section