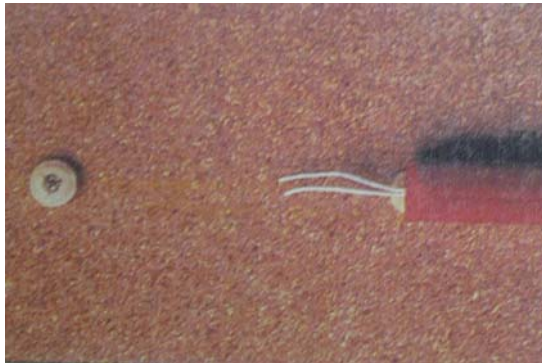
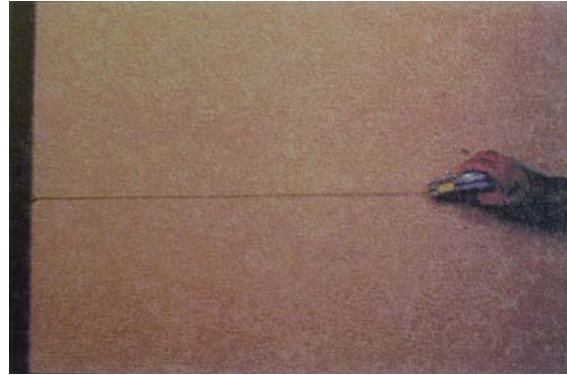


BorderBrite Installation Procedure

1. DROP A CHALK LINE WHERE THE **BORDERBRITE** IS TO BE INSTALLED. DETERMINED BY CUSTOMER.



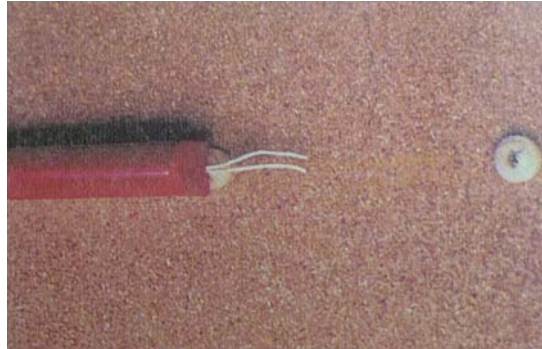
2. INSTALL MOUNTING BUTTONS BASED ON THE LENGTH OF EACH **BORDERBRITE** SECTION. USE LENGTHS AS SHOWN ON THE SITE LAYOUT WHENEVER POSSIBLE. SEE SPACING PATTERN CHART FOR BUTTON SPACING. OVERLAP **BORDERBRITE** ON OUTER EDGE CORNER LEAVING ¼" SPACE AT THE CORNER IF NOT USING

3. PLACE BUTTON AT MINIMUM OF 3" FROM ENDS OF EACH SECTION.



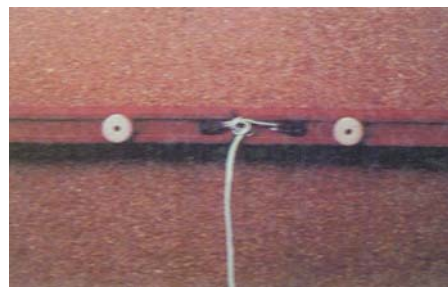
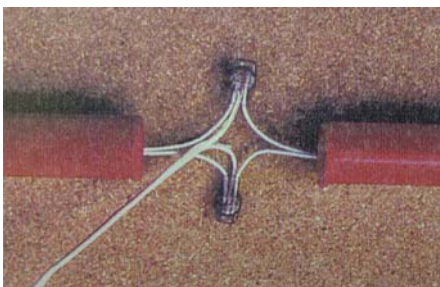
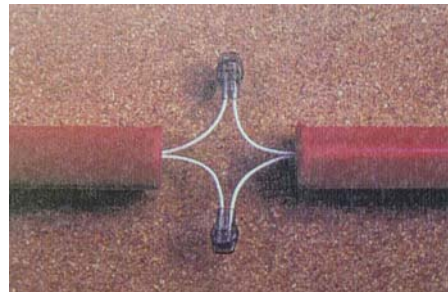
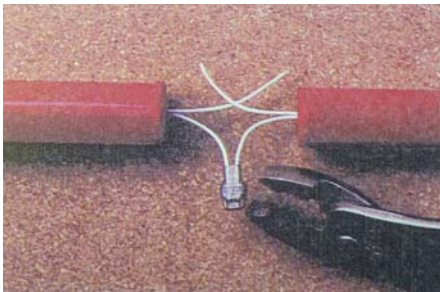
4. DRILL HOLES FOR POWER INPUT WIRES AT EVERY 32' INCREMENT OR AS REQUIRED DEPENDING ON THE LAYOUT OF THE BUILDING.

5. INSTALL **BORDERBRITE** ON THE BUTTONS. SECTIONS MAYBE SNAPPED ON TO THE BUTTONS OR SLID IN PLACE.



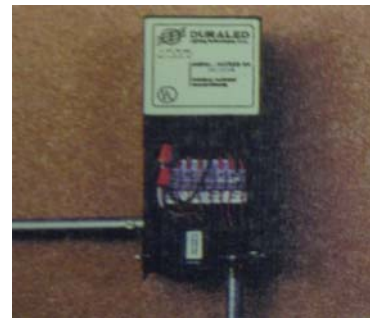
6. INSERT TRANSFORMER OUTPUT WIRE THROUGH THE PREVIOUSLY DRILLED HOLES. SEE WIRING DIAGRAM FOR WIRE GAUGE.
7. T-SPLICE THE INPUT WIRE TO THE **BORDERBRITE** WITH CONN. SUPPLIED (SEE WIRING DIAGRAM). **STRAIGHT SPLICE ALL OTHER**

WIRES (SEE WIRING DIAGRAM). EACH OF THE 4 BLOCKS IN THE TRANSFORMER WILL SUPPORT 32 FEET OF **BORDERBRITE**. EACH 32 FOOT MUST HAVE A T-SPLICE AT A MAX. OF 16 FEET WHICH THEN GOES TO TRANSFORMER. UNEQUAL SECTIONS ARE ACCEPTABLE SO LONG AS THEY DO NOT EXCEED 32 FEET FROM T-SPLICE TO T-SPLICE.



8. DO NOT EXCEED 32 FEET FOR EACH OUTPUT OF THE TRANSFORMER. TOTAL **BORDERBRITE** FOOTAGE FOR ONE TRANSFORMER MUST NOT EXCEED 128 FEET. LESS FOOTAGE IS PREFERRED.
9. TEST EACH SECTION BY APPLYING 12V (CORDLESS DRILL BATTERY) TO THE END OF THE INPUT WIRES.
10. INSTALL TRANSFORMERS IN THE MIDDLE OF EVERY 120' SECTION WHENEVER POSSIBLE. LENGTH OF WIRE FROM THE TRANSFORMER TO THE **BORDERBRITE** MUST BE KEPT AT MINIMUM OF 8 FEET. SEE WIRE CHART FOR WIRE GAUGE.

11. SCREW IN THE LOW VOLTAGE WIRES INTO THE CONNECTOR STRIP IN THE TRANSFORMERS. FOUR SETS PER TRANSFORMER. NO POLARITY IS REQUIRED.

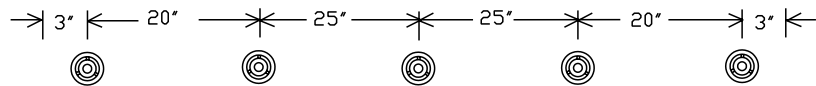


12. HIGH VOLTAGE: CONNECT BLACK TRANSFORMER WIRE TO BLACK (HOT), BLUE TRANSFORMER WIRE TO WHITE.(COMMON)
13. INSTALL AN ON/OFF SWITCH NEXT TO EACH TRANSFORMER. FOR OUTDOOR APPLICATION USE WEATHER-PROOF SWITCH.
14. TURN ON ONE TRANSFORMER AT A TIME AND CHECK FOR **BORDERBRITE** TO BE FULLY ILLUMINATED. TURN THE WHOLE SYSTEM ON AND CHECK FOR UNIFORMITY.

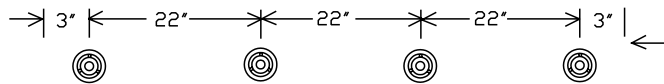
FOR TECHNICAL SUPPORT
CALL **1-866-DURALED** (387-2533)
OR **1-949-753-0162**

BORDERBRITE MOUNTING BUTTON SPACING

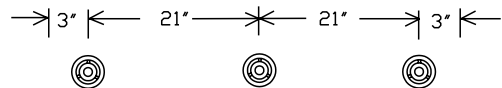
7 to 8 FOOT SECTION



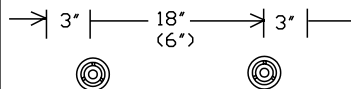
5 to 6 FOOT SECTION



3 to 4 FOOT SECTION



1 to 2 FOOT SECTION (1 FOOT SECTION)



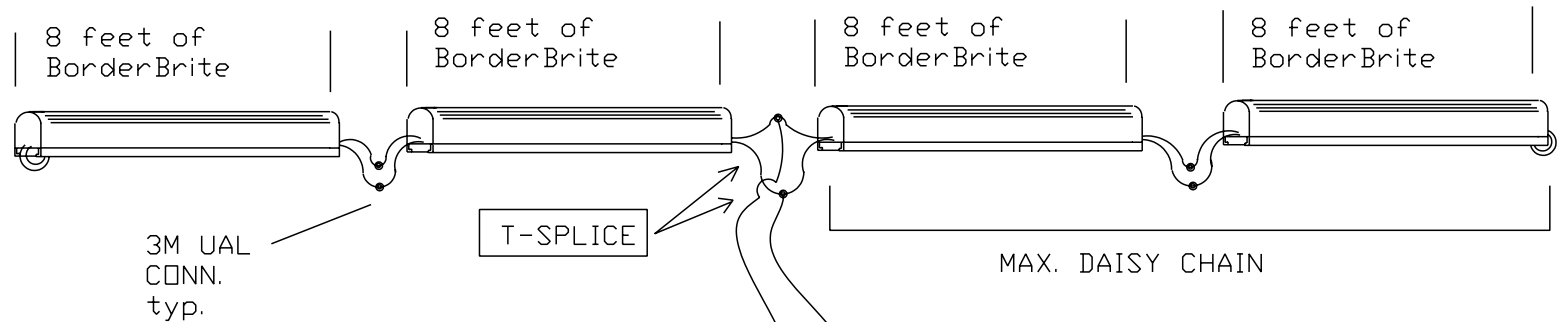
WIRE GAUGE

(WIRES FROM BORDERBRITE TO TRANSFORMER)

LENGTH OF WIRE	WIRE GAUGE
UPTO 20 FEET	18 GA.
20 TO 45 FEET	16 GA.
45 TO 80 FEET	14 GA.
OVER 80 FEET	12 GA.

DURALED LIGHTING TECHNOLOGIES

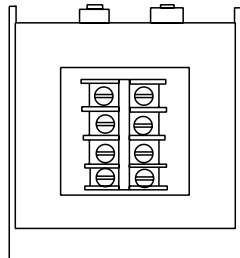
BORDERBRITE-TYPICAL WIRING LAYOUT



TRANSFORMER

4 TERMINAL BLOCKS -- 12v

3 TERMINAL BLOCKS -- 24v




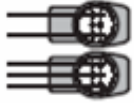
12V/24V

COM.



Transformer (C2240)	12 v		24v	
	Min	Max.	Min.	Max.
Footage				
per transformer	2 lf	128 lf	2 lf	60 lf
per terminal block	2 lf	32 lf	2 lf	20 lf
per daisy chain	2 lf	16 lf	2 lf	16 lf

UAL Connector Spec Sheet

Connector	Type Connector	Special Features	Metric (mm)	Inches	AWG	Metric (mm)	AWG	Metric (mm)
UAL 		For Aluminum Gel-Filled Polycarbonate	2.08	0.082	17-20AL 19-24 CU	1.2-0.8AL 0.9-0.5 CU	N/A	N/A

Connector Crimping Instruction

Trim, straighten
conductors



Separate, fully
insert conductors



Crimp with cap
side down

