

FLASCHEN TASCHEN  
 63 CRATES  
 1575 BOTTLES/LEDs  
 $1575 * 60mA / 1000 = 94.5A$   
 $94.5V * 5V = 472.5W$

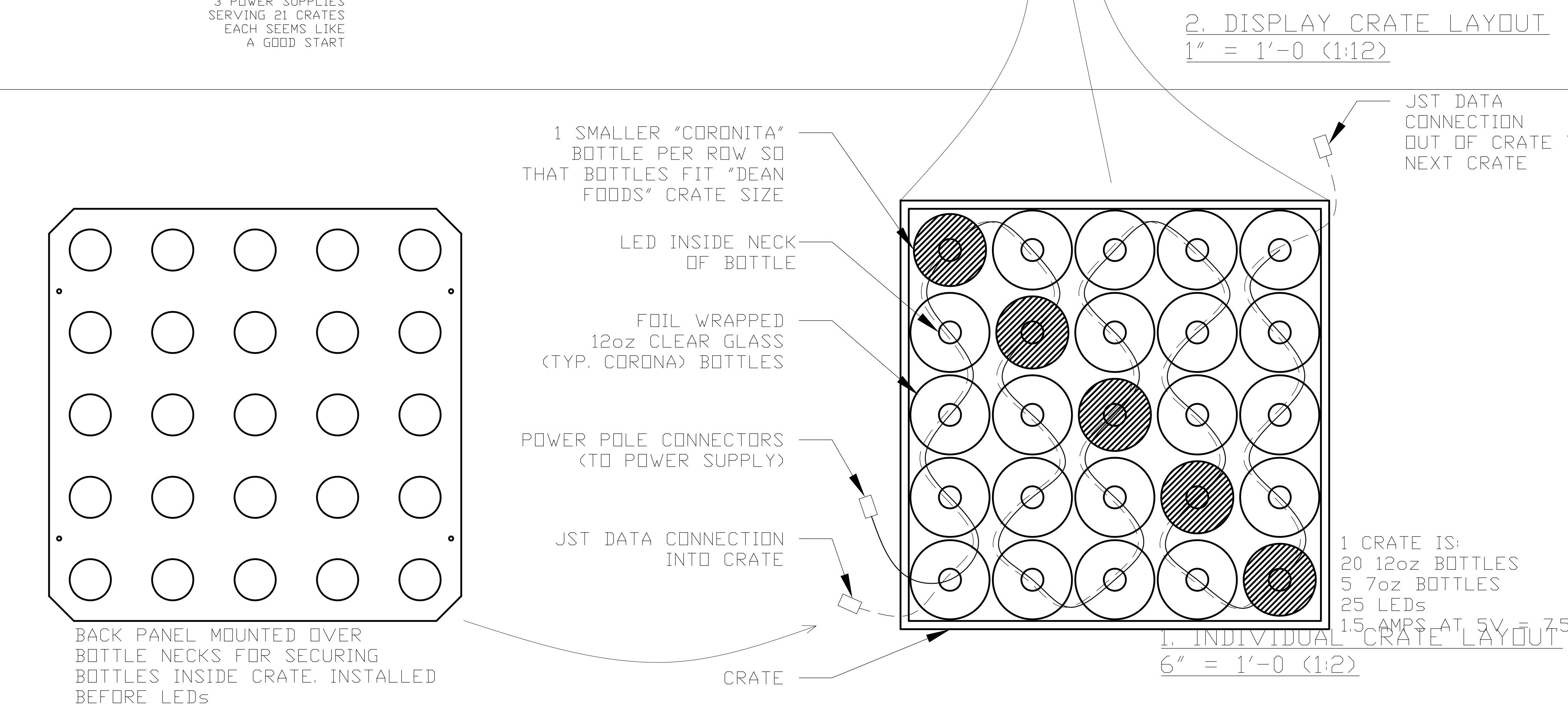
OUTLINE SPEC/SHOPPING LIST:

- 63 CRATES  
BLACK "DEAN FOODS" CRATES FROM MI-RANCHITA MARKET.
- LEDs:  
1575 5V LED STRAND LIGHTS CUT INTO 50 LIGHT SEGMENTS.  
BASIS OF DESIGN: LPD6803, ALTERNATE: WS2811  
TAPE FOR INSTALLING LEDs IN BOTTLE NECKS
- POWER SUPPLIES  
3 5V 40A DC
- BOTTLES  
1260 12oz CLEAR GLASS BOTTLES.  
BASIS OF DESIGN 12oz CORONA BEER BOTTLES  
315 7oz CLEAR GLASS BOTTLES  
BASIS OF DESIGN CORONITA BEER BOTTLES  
ALUMINUM FOIL SHEETS FOR WRAPPING BOTTLES  
TAPE
- BACK PANEL  
THIN PLYWOOD OR CHIPBOARD SHEET.  
STEEL WIRE FOR SECURING INTO CRATE
- WIRE / CONNECTORS  
JST CONNECTORS FOR DATA LINES: 1 PAIR PER CRATE,  
ADDITIONAL PAIRS FOR CONNECTION OF CRATE ROWS TO  
DRIVER HARDWARE.  
POWER POLE CONNECTORS FOR CRATES AND LINES TO POWER  
SUPPLIES  
WIRE TBD
- DRIVER HARDWARE / SOFTWARE  
IN DEVELOPMENT - TBD
- CABLE MANAGEMENT  
SUPPLIES  
CORD CLIPS, WIRE TIES,
- POWER DATA PANEL  
GROUNDED STEEL SHEET DRILLED TO HOLD POWER SUPPLIES,  
DRIVER HARDWARE, AND MISC. EQUIPMENT. MOUNT TO FLASCHEN  
TASCHEN SUPERSTRUCTURE.
- MISC. CONNECTIONS  
SOLDER  
HEAT SHRINK TUBING

FLASCHEN TASCHEN SUPERSTRUCTURE  
 IN DEVELOPMENT / PLANS TO FOLLOW - STEEL OR  
 LUMBER/PLYWOOD FRAME WITH CONNECTIONS FOR SECURING  
 CRATES IN 7X9 ASPECT RATIO. MOUNTING LOCATION FOR  
 POWER/HARDWARE BOARD. QUICK SETUP AND TAKEDOWN.

PROJECT NOTES:

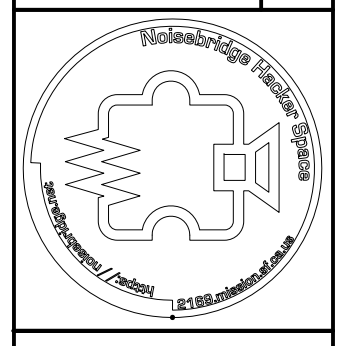
- THIS DISPLAY IS BASED ON THE "MATELIGHT" BY JASEG
- ADDRESSABLE LED LIGHTS ON STRANDS ARE TO BE INSERTED INTO CLEAR FOIL WRAPPED BOTTLES. THESE BOTTLES ARE TO BE STACKED 5X5 IN CRATES. CRATES ARE TO BE STACKED NEXT TO AND ON TOP OF EACH OTHER, AND CLIPPED/TIED TOGETHER FOR SUPPORT.
- DATA AND POWER CONNECTERS WILL BE ADDED TO EACH CRATE'S LED STRAND SO THAT EACH CRATE MAY OPERATE AS AN INDEPENDENT MODULE. THIS IS FOR FOR QUICK SETUP / TAKE DOWN AND RECONFIGURATION OF THE OVERALL DISPLAY INTO DIFFERENT ASPECT RATIOS
- CORD CLIPS WILL BE MOUNTED ON THE CRATES FOR CABLE MANAGEMENT
- POWER AND DATA CABLES WILL RUN TO A NEAR BY PANEL HOLDING THE POWER SUPPLIES AND PIXEL DRIVER/CONTROLLER HARDWARE.
- SUPER STRUCTURE FOR FLOOR STANDING FLASCHEN TASCHEN 63 CRATE ASSEMBLY TBD. MUST BE STURDY, LIGHT, AND COLLAPSIBLE. DRAWINGS AND DETAILS TO FOLLOW.
- MAKER FAIRE 2016 LOGISTICS FOR CRATES TBD



2. DISPLAY CRATE LAYOUT  
 1" = 1'-0 (1:12)

1. INDIVIDUAL CRATE LAYOUT  
 6" = 1'-0 (1:2)

REVISIONS	



FLASCHEN TASCHEN  
 NOISEBRIDGE - SAN FRANCISCO CA.

DESIGN DEVELOPMENT R3

Date 2016-01-31

Scale As Noted

Drawn HICKS

Sheet

1.0