



City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
 Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

PERMIT CARD – PLEASE POST AT JOB SITE

THIS DOCUMENT BECOMES YOUR PERMIT WHEN PROPERLY VALIDATED

Per FBC 105.3.3: An enforcing authority may not issue a building permit for any building construction, erection, alteration, modification, repair or addition unless the permit either includes on its face or there is attached to the permit the following statement: "NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies." The issuance of this permit does not grant permission to violate any applicable City, Orange County, State of Florida and/or Federal codes and/or ordinances. Separate permits are required for Signs, Roofing, Electrical, Gas, Plumbing and Mechanical services. This permit becomes VOID if the work authorized is not commenced within 6 months, or is suspended or abandoned for a period of 6 months after commencement. **WORK SHALL BE CONSIDERED SUSPENDED IF AN APPROVED INSPECTION HAS NOT BEEN MADE WITHIN A 6 MONTH PERIOD.** PERMISSION IS GRANTED TO DO THE FOLLOWING WORK ACCORDING TO THE CONDITIONS HEREON AND THE APPROVED PLANS AND SPECIFICATIONS, SUBJECT TO COMPLIANCE WITH THE ORDINANCES OF THE CITY OF BELLE ISLE, FLORIDA.

Scope of Work: ELECTRICAL : change out digital billboard face Comments: None Project Information Address: 3101 McCoy Road, Belle Isle, FL 32812 Parcel ID: 29-23-30-1880-02-055 Property Owner: Clear Channel Outdoor Phone Number: 321 445 2649 ***** Company Name: Clear Channel Outdoor Contractor Name: Hull, William License Number: EC0001352 Address: 5333 Old Winter Garden Road, Orlando, FL 32811 Phone Number: 321 443 2649	Permit Number: 2015-08-036 Date of Application: 08/14/2015 Date Permit Issued: 08/25/2015 WARNING TO OWNER: "YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT." ON THE JOB INSPECTION(S) MUST BE MADE BEFORE PROCEEDING WITH SUBSEQUENT WORK. THIS CARD MUST BE DISPLAYED OUTSIDE AND BE PROTECTED FROM THE WEATHER WHILE BEING VISIBLE FROM THE STREET UNTIL THE FINAL INSPECTIONS HAVE BEEN APPROVED.
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BUILDING FEATURES

IMPACT FEES School \$ Traffic \$ ZONING FEES Zoning Fee \$ UNIVERSAL ENG - BUILDING FEES Cert of Occ \$ Demo \$ Building \$ Fence \$ Driveway \$ Shed \$ Window(s) \$ Door(s) \$ PrePower \$ Electrical \$72.00 Temp Pole \$ Plumbing \$ Mechanical \$ Gas \$ Roofing \$ Boat Dock \$ Screen Encl \$ Swimming Pool \$ Sign \$ SURCHARGE FEES Surcharge Fee \$2.00 Surcharge Fee \$2.00 TOTAL FEES \$76.00 Date Paid 8-27-15 CC or Check # MC 7993 Amount Paid 76.00 The person accepting this permit shall conform to the terms of the application on file and construction shall conform to the requirements of the Florida Building Code (FS 553).	BUILDING INSPECTOR USE ONLY IF APPLICABLE: Have Zoning Approval Conditions Been Met? YES NO Have Stormwater Approval Conditions Been Met? YES NO Silt fencing in place? YES NO Turbidity Barrier in place? YES NO BUILDING 1 st _____ (Footing/Foundation) Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? ____ 2 nd _____ (Slab) 3 rd _____ (Lintel)(Wall Reinforcing on Masonry Building) 4 th _____ (Exterior Framing)(Roof/Wall Sheathing) 5 th _____ (Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins & Windows/Doors Installed) 6 th _____ (Insulation to be Made After Roof Installed) 7 th _____ (Drywall) 8 th _____ (Sidewalk/Driveway) 9 th _____ (Other) 10 th _____ (Final – After MEP and Other Applicable Finals) ROOFING 1 ST ROOFING Deck Nailing/Dry-in/Flashing _____ 2 nd ROOFING Covering In-Progress _____ 3 rd ROOFING Covering Final _____ PLUMBING (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...) 1 ST _____ (Underground) 2 nd _____ (Sewer) 3 rd _____ (Rough-In/Tub Set) 4 th _____ (Final) CHECK APPROPRIATE BOX <input checked="" type="checkbox"/> GAS ___ Natural ___ LP <input type="checkbox"/> MECHANICAL <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> LOW VOLTAGE 1 st _____ (Rough-In) 2 nd _____ (Final)
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Inspection requests are to be emailed to BIDScheduling@UniversalEngineering.com; a confirmation email will be sent back to you upon scheduling. **Next-Day Inspection requests must be made by 1pm.** Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot be guaranteed.

For a copy of your permit, or to check inspection results, please visit <https://universalengineering.sharefile.com/f/fo94edc4-832d-44bd-9809-ecf32f9e2e63>

login ID = cobi@universalengineering.com

password = universal13



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APPLICATION FOR ELECTRICAL PERMIT

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

DATE OF APPLICATION: 8/5/15 PERMIT NUMBER 2015-08-036
The undersigned hereby applies for a permit to make electrical installations as indicated below. PLEASE PRINT

Project Address 3101 McCoy Rd Belle Isle FL 32809 32812
Property Owner Clear Channel Outdoor Phone 321-443-2649
Property Owner's Mailing Address 5333 Old Winter Garden Rd City Orlando
State FL Zip Code 32811 Parcel Id Number: 29 23 30 1880 02 155

Class of Building: Old New Type of Building: Residential Commercial Other
Type of Work: New Alteration Addition Repair Low Voltage New Existing

INDICATE THE QUANTITY OF ALL EQUIPMENT TO BE INSTALLED
Dishwasher Exhaust Fan Disposal Water Heater
Hood Fan Dryer Paddle Fan Outlets
Fixtures Spa Pool Switches
Electric Signs Meter Reset Low Voltage Stoves
Pumps Motors Air Conditioning (tons) Furnace (KW)

Temporary Construction Pole One (1) New Meter Service Amperage/Voltage/Phase
Meter Service Upgrade from to = Difference in Size
Relocate Existing Meter Service (No Service Size Change)
Other: Replace existing digital sign.

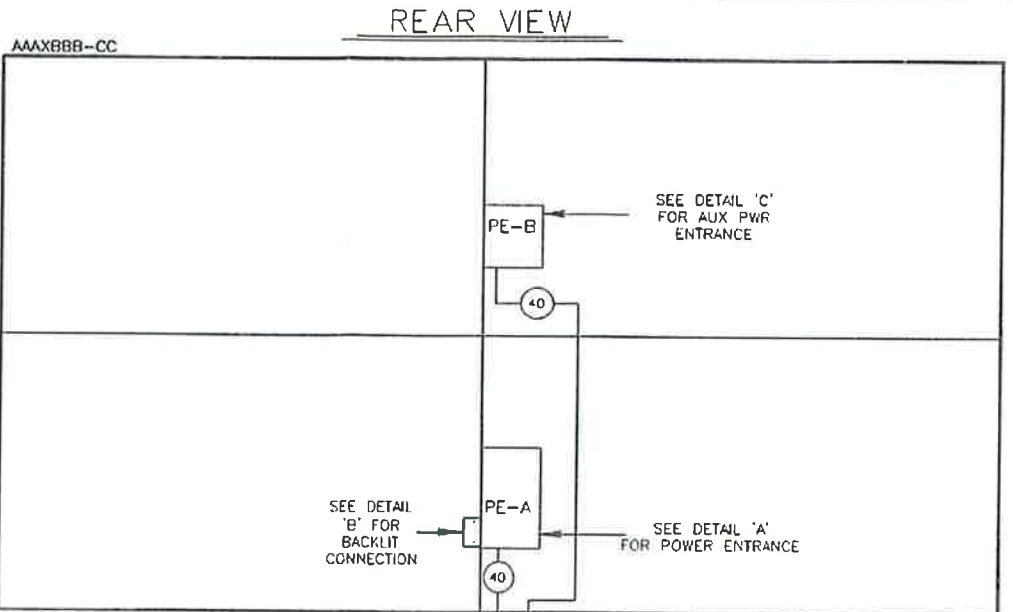
PERMIT FEE BASED ON METER SERVICE SIZE SCHEDULE \$
(IF NO METER SERVICE WORK BEING DONE, USE VALUATION OF JOB FOR PERMIT FEE)
VALUATION OF JOB (VALUATION OF ALL MATERIALS, LABOR, AND FIXTURES INSTALLED \$ 1,500
Permit Fee = \$ 48
Review Fee = \$ 24
3% FL Surcharge = \$ 4
TOTAL Permit = \$ 76.-

Building Official: [Signature] Date 8-21-15
Verified Contractor's Licenses & Insurance are on file [Signature] Date 8-28-15

I hereby certify that the above is true and correct to the best of my knowledge.
I hereby make Application for Permit as outlined above, and if same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable Town and/or State of Florida codes and/or ordinances.
LICENSE HOLDER SIGNATURE Agent: Meredith McKenna LICENSE # EC8001352
LICENSE HOLDER NAME William G Hull COMPANY NAME Clear Channel Outdoor
Street Address 3800 77th Ct
City Miami State FL Zip Code 33166 Phone Number Agent: 321.443.2649
Email Address Agent: meredith.mckenna@clearchannel.com

NOTE: The Building Permit Number is required if the Electrical Installation is associated with any construction or alteration where a Building Permit has been issued.
Building Permit Number 2015-08-035

- NOTES:
1. DISPLAY LOADS ARE NON-CONTINUOUS.
 2. IT IS THE RESPONSIBILITY OF THE ELECTRICAL INSTALLATION CONTRACTOR TO ENSURE THAT ALL ELECTRICAL WORK PERFORMED ON SITE MEETS OR EXCEEDS ALL LOCAL AND NATIONAL ELECTRICAL CODES.
 3. DAKTRONICS IS NOT RESPONSIBLE FOR THE QUALITY OF THE POWER DELIVERY SYSTEM TO THE DISPLAY SYSTEM.
BECAUSE EACH INSTALLATION IS UNIQUE, DAKTRONICS OFFERS THESE INSTRUCTIONS AS GUIDELINES ONLY. DAKTRONICS, INC. ASSUMES NO LIABILITY IF INSTALLATION STEPS HAVE BEEN OMITTED OR OTHER NECESSARY PROCEDURES ARE NOT INCLUDED IN THIS SYSTEM RISER DIAGRAM.
 4. ALL DISPLAYS MUST BE GROUNDED PER ARTICLE 250 AND 600 OF THE NATIONAL ELECTRICAL CODE WITH NO MORE THAN 10 OHMS GROUND RESISTANCE.
 5. DAKTRONICS UTILIZES BOTH STANDARD AND SUPPLEMENTARY CIRCUIT BREAKERS IN THE DISPLAY ASSEMBLY PROCESS. IT IS THE ELECTRICAL INSTALLATION CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL PRIMARY FEEDER CIRCUIT BREAKERS TO EACH DISPLAY/DISPLAY SECTION ARE UL 489 LISTED.
 6. POWER AND SIGNAL REQUIREMENTS ARE SPECIFIED TO THE EQUIPMENT AND SETUP SHOWN. ANY CHANGES MADE TO EQUIPMENT OR THEIR SETUP SHOULD BE DISCUSSED WITH DAKTRONICS DESIGN PERSONNEL AND WILL REQUIRE AN UPDATED RISER DIAGRAM DRAWING.
 7. THE CONTRACTUAL AGREEMENT WILL DETERMINE THE PARTY OR PARTIES RESPONSIBLE FOR ITEMS LISTED AS FIELD INSTALLED. THIS DRAWING IS NOT INTENDED TO DETERMINE RESPONSIBILITIES AND SHOULD BE USED FOR REFERENCES ONLY.
 8. THIS IS NOT A SCALED DRAWING AND SHOULD BE USED FOR POWER AND SIGNAL REQUIREMENTS ONLY. ACTUAL PLACEMENT OF ELECTRICAL COMPONENTS, SUCH AS PANEL BOARDS, A/C'S, AND SPLICE PANELS, MAY VARY. PLEASE REFERENCE THE SYSTEM SHOP DRAWING FOR THIS DETAIL. THIS DRAWING REPRESENTS A GENERAL MOUNTING LOCATION ONLY.
- EXTERNALLY MOUNTED HARDWARE
- - - INTERNALLY MOUNTED HARDWARE



PIXELS HIGH (AAA)	PIXELS WIDE (BBB)	PIXEL SPACING (CC)
244	936	150T
242	838	163T
242	838	164T
196	702	204T

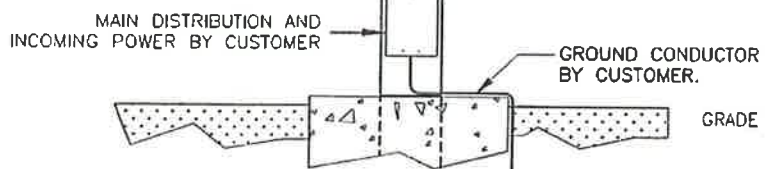
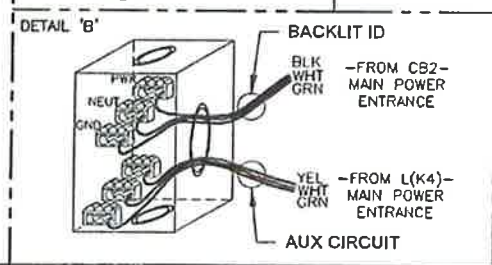
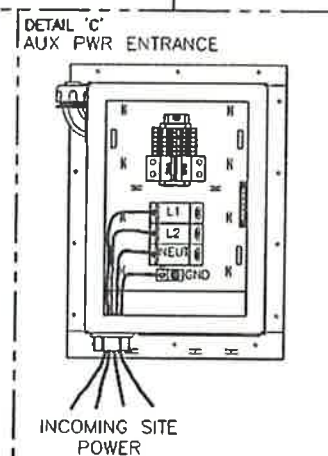
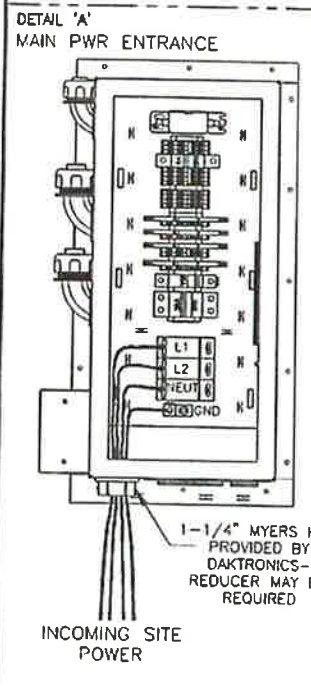
CIRCUIT	PE-A	PE-B	TOTAL
NUMBER OF WIRES	3 + GND	3 + GND	-
SYSTEM VOLTAGE	120/208 OR 120/240	120/208 OR 120/240	-
NUMBER OF FOLDS	2	2	-
MAXIMUM WATTS	7,440	6,000	13,440
AMPERES PER LINE	31	25	56

80 AMP - 1 ϕ 120/240VAC - MINIMUM SERVICE SIZE RECOMMENDED OR
80 AMP - 3 ϕ 120/208VAC - MINIMUM SERVICE SIZE RECOMMENDED

IDENTIFIER	COMPONENT DESCRIPTION	MANUFACTURER'S PART NUMBER	COMPONENT PROVIDED BY	COMPONENT INSTALLED BY
PE-A, PE-B	POWER ENTRANCE TERMINATION		DAKTRONICS	FACTORY

OVER CURRENT PROTECTION AMPLITUDE	VOLTAGE (AC)	NUMBER OF POLES	NUMBER OF CONDUCTORS	CONDUIT PROVIDED & INSTALLED BY	CONDUCTIONS PROVIDED & INSTALLED BY
40	120/240/208	2	3 + GND	CUSTOMER	CUSTOMER

REFER TO DWG-1106714 FOR SIGNAL CONNECTIONS



GROUND ROD BY CUSTOMER. DAKTRONICS REQUIRES 10 OHMS OR LESS IMPEDANCE. MULTIPLE GROUND RODS MAY BE NEEDED TO ACHIEVE THIS. REFER TO LOCAL AND NATIONAL CODES ON GROUNDING AND BONDING METHODS. REFERENCE-NOTE: 4

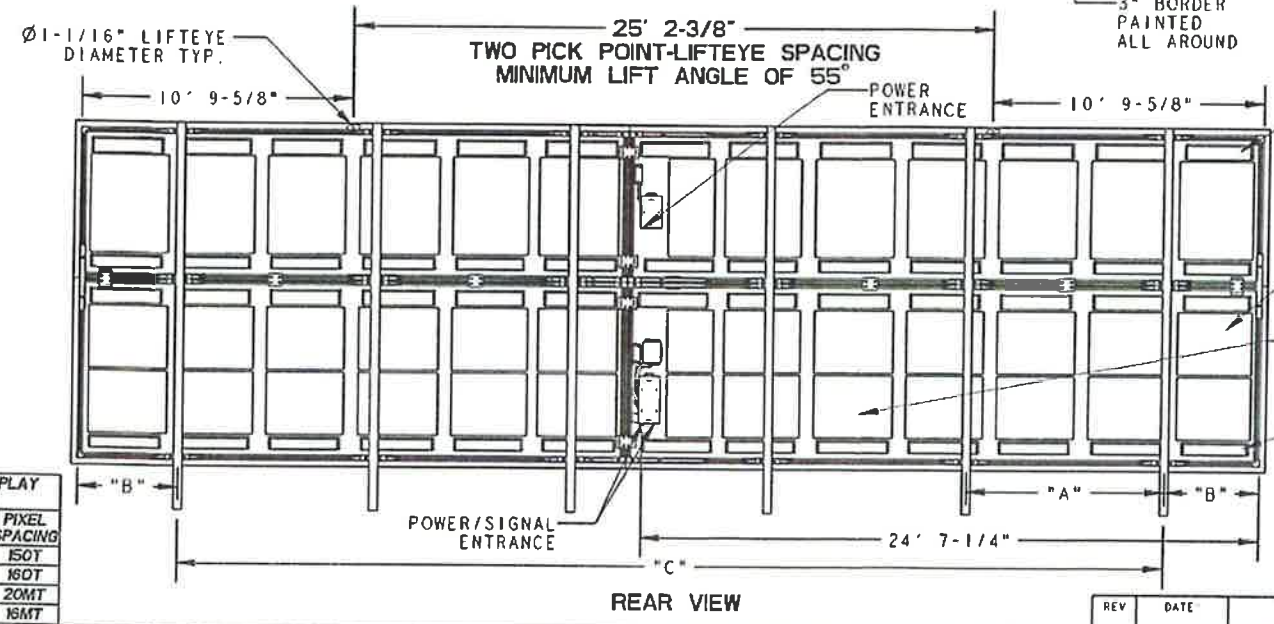
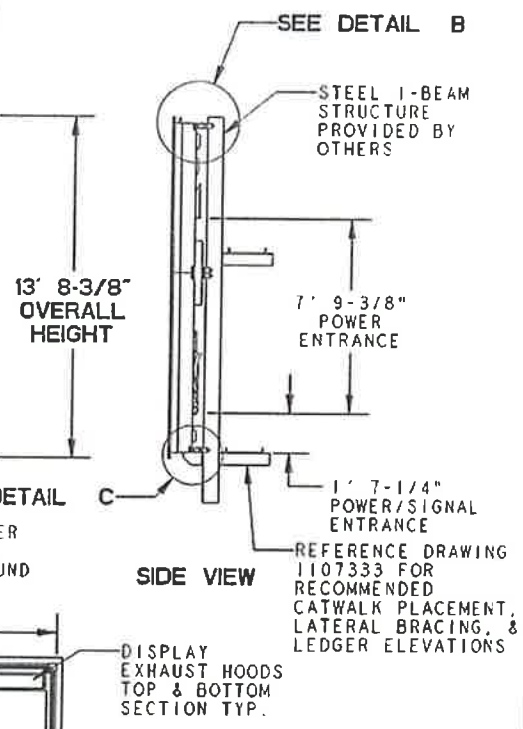
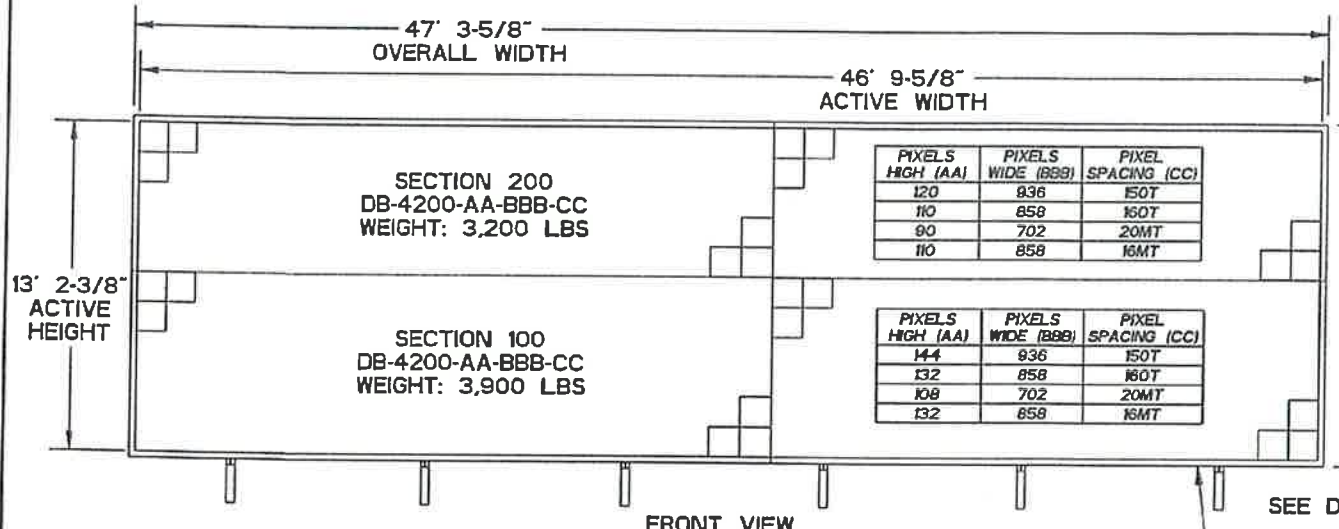
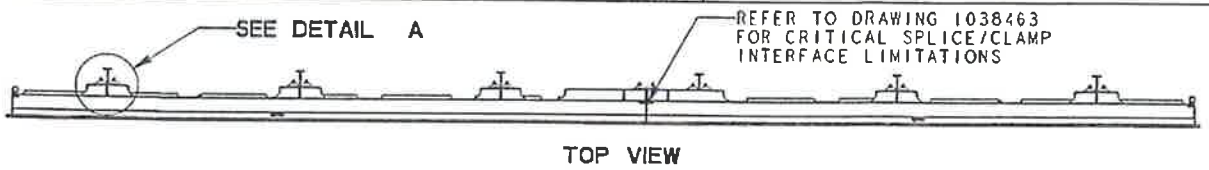
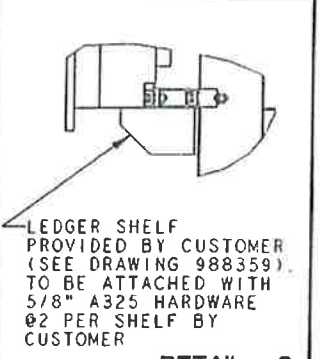
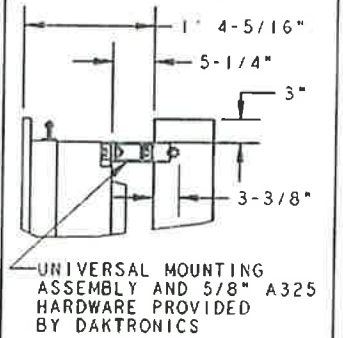
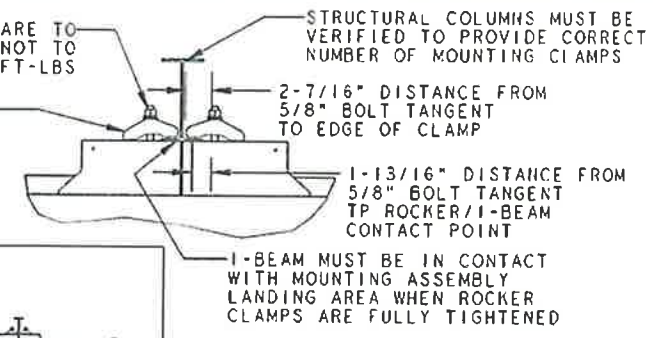
SUBMITTAL APPROVAL	
<input type="checkbox"/> APPROVED	
<input type="checkbox"/> APPROVED AS NOTED	
<input type="checkbox"/> APPROVED AS NOTED & RESUBMIT	
COMPANY:	_____
SIGNED:	_____
TITLE:	_____
DATE:	_____
<small>THE CONCEPTS EXPRESSED AND DETAILS SHOWN ON THIS DRAWING ARE CONFIDENTIAL AND PROPRIETARY. DO NOT REPRODUCE BY ANY MEANS WITHOUT THE EXPRESSED WRITTEN CONSENT OF DAKTRONICS, INC. COPYRIGHT 2012 DAKTRONICS, INC.</small>	
PROJ: DB4200 DIGITAL BILLBOARD	
TITLE: DISPLAY RISER; 14'X48' (11X39 MODS) 120/240 VAC	
DESIGN BANDERS	DATE 17 JUL 2012
SCALE: NTS	
SHEET	REV
00	P1604
JOB NO.	1106361
FUNC-TYPE-SIZE	R-01-B

VERTICAL UPRIGHT SPACING TABLE: APPLICABLE DESIGN CODE IS IBC 2006/2009. IF UPRIGHT SPACINGS FALL OUTSIDE LISTED RANGE CONTACT DAKTRONICS ENGINEERING

DESIGN WIND PRESSURE "P"	58 psf	72 psf	87 psf	103 psf	121 psf	140 psf	162 psf
MAX UPRIGHT SPACING "A"	12'-6"	11'-9"	11'-3"	10'-6"	10'-0"	9'-6"	9'-3"
MAX CANTILEVER SPACING "B"	6'-3"	5'-9"	5'-6"	5'-3"	5'-0"	4'-9"	4'-6"
MINIMUM REQUIRED # OF UPRIGHTS	4	4	5	5	5	5	6
MAX OUTSIDE UPRIGHT SPACING "C"	42'						

ALL 5/8" A325 MOUNTING HARDWARE TO BE TIGHTENED TO 75 FT-LBS; NOT TO EXCEED 100 FT-LBS

CLAMPS MUST BE SLID ONTO I-BEAM UNTIL ROCKER CONTACTS I-BEAM WEB OR BOLT CONTACTS OUTER FLANGE OF I-BEAM TO ENSURE PROPER LOAD DISTRIBUTION



OVERALL DISPLAY MATRIX

PIXELS HIGH	PIXELS WIDE	PIXEL SPACING
264	936	150T
242	858	160T
198	702	20MT
242	858	16MT

- NOTES:**
- 1.0 REFERENCE
 - 1.1 REFER TO INSTALLATION AND MAINTENANCE MANUAL FOR COMPLETE INSTALLATION INSTRUCTIONS
 - 1.2 REFER TO DAKTRONICS RISER DIAGRAM FOR ALL ELECTRICAL POWER AND SIGNAL CONNECTIONS
 - 1.3 ALL DIMENSIONS ARE IN FEET AND INCHES.
 - 2.0 PROJECT RESPONSIBILITY
 - 2.1 CUSTOMER IS RESPONSIBLE FOR DESIGNING AND CERTIFYING THE SUPPORT STRUCTURE.
 - 2.2 CUSTOMER IS RESPONSIBLE FOR OBTAINING LOCAL CERTIFICATION FOR THE STEEL MOUNTING STRUCTURE.
 - 2.3 CUSTOMER IS RESPONSIBLE FOR SUPPLYING EQUIPMENT W/ APPROPRIATE SAFETY FACTOR TO LIFT DISPLAY.
 - 2.4 DAKTRONICS AND CUSTOMER ARE RESPONSIBLE FOR CONFIRMING THE STRUCTURAL UPRIGHT QUANTITY AND SIZE. DAKTRONICS IS RESPONSIBLE FOR PROVIDING STRUCTURAL CLAMPS OF THE CORRECT QUANTITY.
 - 2.5 DISPLAY TO BE SUPPORTED EVENLY ACROSS ALL LEDGERS. SUPPORTING LEDGERS SHOULD NOT EXCEED 1/16" TOLERANCE ON THE ELEVATIONS. SHIMS SHALL BE USED TO FILL LEDGER GAPS TO ENSURE A DISTRIBUTED LOAD.
 - 3.0 DISPLAY SPECIFICATIONS
 - 3.1 DISPLAY IS ALL ALUMINUM CONSTRUCTION.
 - 3.2 DISPLAY IS FRONT AND REAR ACCESSIBLE.
 - 3.3 DISPLAY WILL SHIP IN TWO SECTIONS.
 - 3.4 DISPLAY OVERALL AREA: 648.01 SQ. FT. DISPLAY ACTIVE AREA: 617.76 SQ. FT.
 - 3.5 WEIGHTS: SECTION 100 = 3,900 LBS SECTION 200 = 3,200 LBS

TOTAL DISPLAY WEIGHT = 7,100 LBS

SUBMITTAL APPROVAL

APPROVED **D**

APPROVED AS NOTED

APPROVED AS NOTED & RESUBMIT

COMPANY: _____

SIGNED: _____

TITLE: _____ DATE: _____

D DAKTRONICS, INC. THE CONCEPTS EXPRESSED AND DETAILS SHOWN ON THIS DRAWING ARE CONFIDENTIAL AND PROPRIETARY. DO NOT REPRODUCE OR ANY MEANS WITHOUT THE EXPRESSED WRITTEN CONSENT OF DAKTRONICS, INC. COPYRIGHT 2011 DAKTRONICS, INC.

BRIDGINGS, SD 57006

DO NOT SCALE DRAWING

PROJ: DIGITAL BILLBOARD

TITLE: SHOP DWG: DB-4200 14'X48' (11X39 MODS)

DESIGN: JCOOK DRAWN: JCOOK DATE: 19-JUL-12

SCALE: 1=75

SHEET	REV	JOB NO.	FUNC-TYPE-SIZE
1 OF 1	00	P 1604	E-10-B

1098594

Reviewed for Code Compliance
Universal Engineering Sciences

REV	DATE	BY