



131 Westcreek Dr., Woodbridge, Ontario L4L 9N6
(905) 265-7800 (905) 265-7805 fax

QUOTATION

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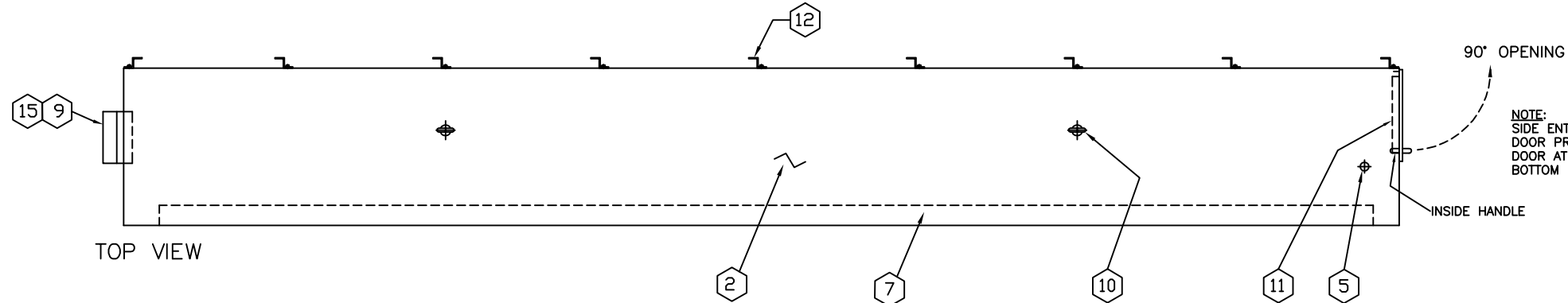
Quote No. M2021-001a

To:	City of Shakopee, Minnesota	Date:	December 9, 2021
Attention:	Ryan Halverson	From:	Milan Patel
Email:	rhalverson@shakopeemn.gov	Total Pages:	1

Item No.	Description	Qty	Unit Cost	Extended Cost
1	W30C3-20 (Walk in 30 ft, 3 line of text, full color matrix Dynamic Message Sign, includes DMS controller)	1	88,624.73	88,624.73
2	Life time power supply	1	3,909.78	3,909.78
3	Commissioning for Walk-in DMS	1	806.93	806.93
4	Commissioning Trip	1	3,019.63	3,019.63
			TOTAL	96,361.07

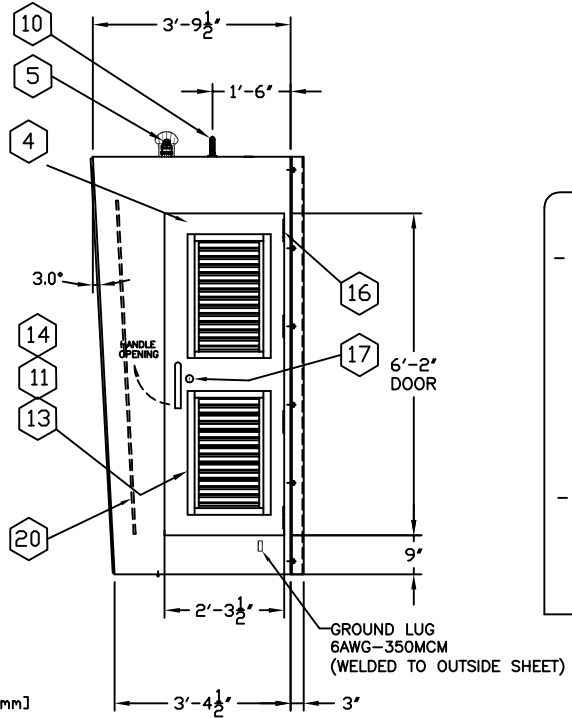
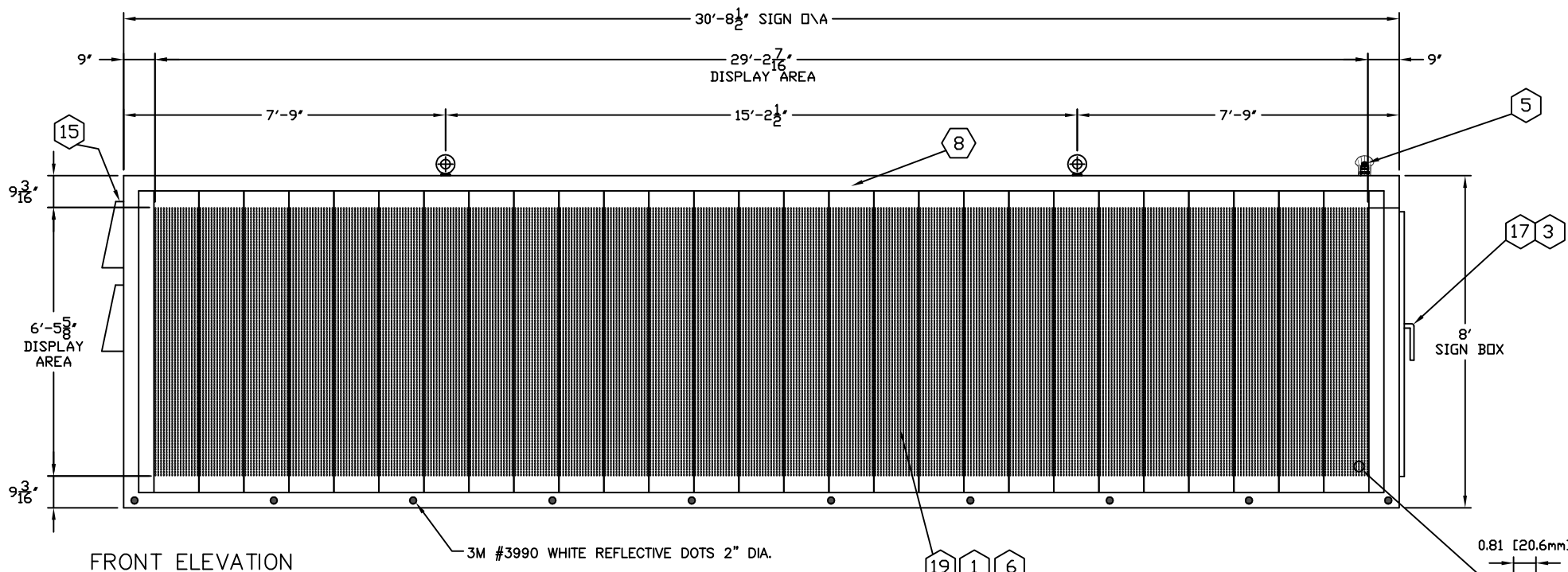
Notes:

1. Customs duties are included in price.
2. Transportation cost is included.
3. Unloading of DMS on delivery not included.
4. State taxes (If applicable) not included in price.
5. Currency is US Dollars.
6. Quotation is valid for 180 days.
7. Installation of DMS not included.
8. Ground cabinet not included.
9. Supply of multi-mode fiber optic cable between ground cabinet and sign not included.
10. Mounting hardware (bolts, nuts, washers) for DMS to structure not included.
11. Delivery: 28 weeks after PO received.



DESIGN LOADING:
PER AASHTO STANDARDS
ULTIMATE LIMIT STATE:
 $P_f = 0.00256 * K_s * G * V^2 * L * C_d = 49.62$ PSF
BASED ON WIND VELOCITY OF
160 Km/H (100 MPH), 30% GUST,
 $C_d = 1.7$, $I_f = 1.0$, $G = 1.14$, $K_z = 1.0$
VIBRATION & FATIGUE (NCHRP 10-38)
TRUCK GUST, $P_{TG} = 18.8 * C_d * I_f = 32.0$ PSF
 $C_d = 1.7$, $I_f = 1.0$
SNOW LOAD OF 40 PSF
ICE LOAD PER AASHTO

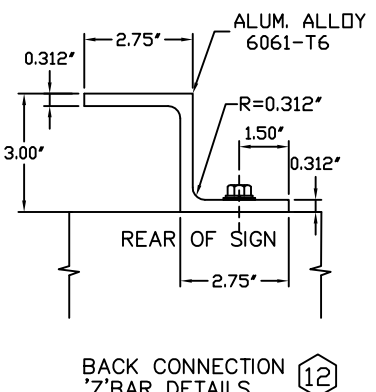
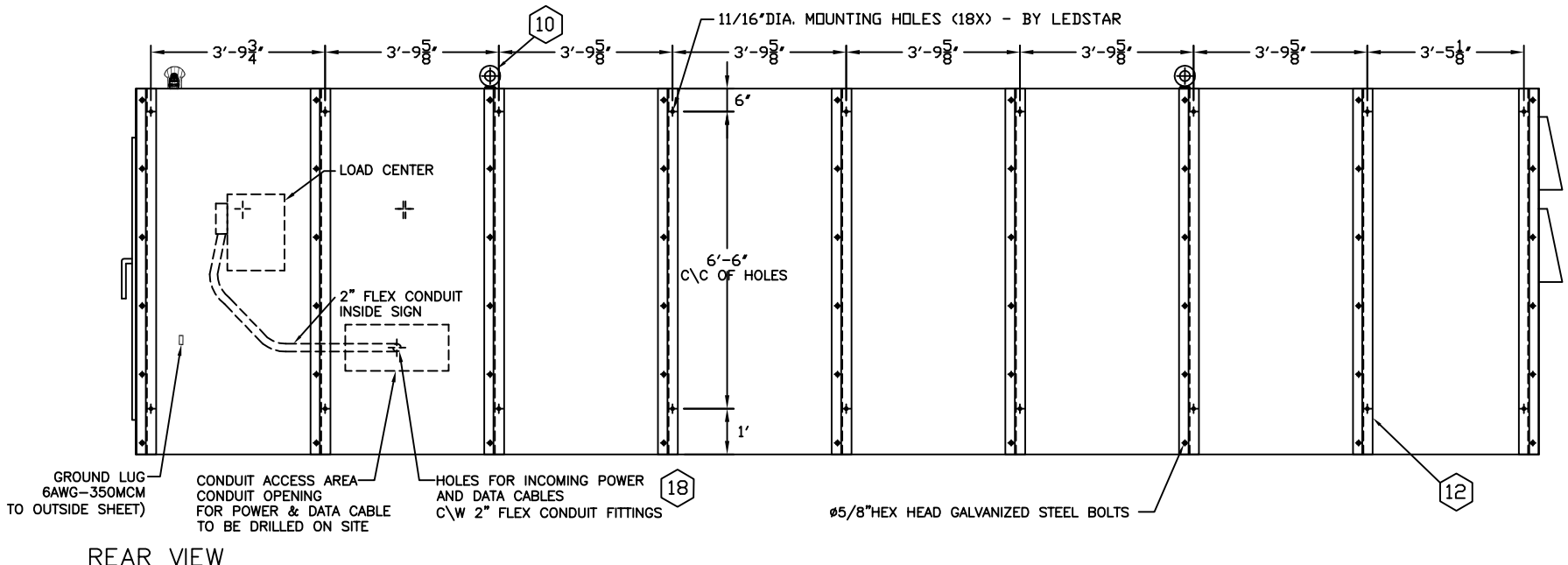
NOTE:
SIDE ENTRY DOOR TO HAVE
DOOR PROP RODS TO SECURE
DOOR AT 90° AT THE TOP AND
BOTTOM OF THE DOOR



FRONT FACE OF SIGN PAINTED:
POLYVINYLIDENE FLUORIDE COATING
SYSTEM (MEETS OR EXCEEDS AAMA
SPECIFICATION NO. 2605)
COLOR: MATTE BLACK
BACK, SIDES, TOP, BOTTOM & INSIDE:
NATURAL ALUM. - MILL FINISH

WEIGHT OF THE SIGN: 4800LB

NOTES:
- WELDING:
ALL EXTERIOR SEAMS SHALL BE CONTINUOUSLY
WELDED AND EACH WELD SHALL BE UNIFORM
FLOW. ALL WELDS SHALL BE NEATLY FORMED
AND FREE OF CRACKS, BLOW HOLES, AND OTHER
IRREGULARITIES.
WELDING ON ALUMINUM HOUSING SHALL BE DONE
BY MIG OR TIG PROCESS USING BARE ALUMINUM
WELDING ELECTRODES.
WELDING ELECTRODES TO BE ER5356 AL. ALLOY.
PROCEDURES, WELDERS, AND WELDING OPERATORS
SHALL BE QUALIFIED IN ACCORDANCE WITH THE
REQUIREMENTS OF AWS D1.2 IN ALUMINUM.
- WORKMANSHIP:
HOUSING SHALL BE CONSTRUCTED TO PRESENT
A CLEAN, NEAT APPEARANCE. ALL SURFACES
SHALL BE FREE OF DENTS, SCRATCHES, BURRS,
WELD BURNS, OR ABRASIONS. ALL SHARP EDGES
AND CORNERS SHALL BE ROUNDED.



RIGHT HAND ACCESS VERSION SHOWN
LEFT HAND ACCESS VERSION OPTIONAL

MATERIAL LIST				
No.	Part #	Description	Material Size	Qty
1	LMM 116	LED MODULES		162
2	5052-H32	ALU. SIGN SHEETING	0.125" THK. ALUM.	1
3		3 POINT LOCK	3/4" DIA. ST. STEEL	1
4		SIDE ENTRY DOOR	.125" THK. ALUM.	1
5	PST12A01R10	PHOTO SENSOR UNIT	c/w WIRE GUARD	1
6		0.093" POLYCARBONATE FACE	CLEAR	27
7		MODULE DISPLAY AREA	BEHIND EXTERNAL MASK	1
8		FRONT WINDOW FRAME	1/8" THK. AL. EXT.	1
9		EXHAUST FAN	1650 CFM	2
10		LIFTING EYE BOLTS	2" L.D. OF EYE/EYB-18	2
11		INTAKE AIR FILTER	ALUM. FRAME	2
12	6061-T6	Z'BAR 2.75"x3"x2.75"x5	16" THK. ALUM. EXTRUSION	9
13		AIR INLET LOUVERS	19"x28"	2
14		REPLACEABLE FILTER	16"x25"x2"	2
15		EXHAUST RAIN HOOD	1/8" THK. ALUM.	2
16		SIDE DOOR HINGE	5" LONG ST. STEEL	4
17	2 KEYS REQ'D.	SIDE DOOR LOCK	BEST LOCK #2	1
18		POWER & DATA INLETS	1 1/4" CONDUIT FITTINGS	2
19		FACE MASK	BLACK PVDF FINISH	27
20		CURTAIN WALL	0.063" THK. ALUM.	11

No.		Description	Date
REVISION RECORD			
LEDSTAR			
This drawing is the property of LEDSTAR Inc. and contains information which is confidential and must not be duplicated, used or disclosed without the consent of LEDSTAR Inc.			
Customer		MINNESOTA DOT	
Title		W30C3-96x432-20-C-W	
Drawn by	D. POPOVIC	Date	14 March 19
Scale	N/A	Issued	
Ref. Des.		Customer Approval	
Drawing Number		190313D	
Rev. No.		0	



PRICE QUOTE

QUOTE ID: 573011
Revision: 1
CUSTOMER ID: 6584417
QUOTE DATE: 12/14/2021
QUOTE EXPIRES: 01/14/2022
PAYMENT TERMS: Net 30 Days
FOB: Port of Origin

230 N Milwaukee Ave
Vernon Hills, IL 60061

Project: IE-1000
Attention: Andy Hutson
Prepared for: City Of Shakopee
485 Gorman St
Shakopee, MN
55379-2687

Sales Person: Allie Pipp
Phone: (312) 547-2362
Fax: (312) 705-7798
Email: AllieandGeoff@cdw.com
ISR: Jesse Schmidt
Phone: (920) 996-3158
Email: jesse.schmidt@cdw.com

Line #	Qty	Part Number	Description	Customer Price	Customer Extended Price
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1-1 State of MN Contract 147097

1-2 SNT term 12 Months

Sub Total: \$ -

2-1 IE-1000-8P2S-LM

2-2	1	IE-1000-8P2S-LM	IE1000 with 8 FE Copper PoE+ ports and 2 GE SFP uplinks	\$ 1,310.04	\$ 1,310.04
2-3	1	CON-SNT-IE002SLM	SNTC-8X5XNBD IE1K with 2 GE SFP 8	\$ 162.62	\$ 162.62
2-4	1	PWR-IE170W-PC-AC	IE family power supply 170W. AC to DC	\$ 1,002.50	\$ 1,002.50
2-5	1	IOT-OTHER	Not related to an IoT Solution; For tracking only.	\$ -	\$ -
2-6	1	NO-IOT-SOLUTION	Not related to an IoT Solution; For tracking only.	\$ -	\$ -

Sub Total: \$ 2,475.16

Quote Total: \$ 2,475.16

Ryan Halverson

To: 'Adair, Ralph (ralph.adair@state.mn.us)'
Subject: RE: [External]RE: Overhead DMS Board Control Cabinet Acquisition

Ryan,

Yup, we have an agreement with you that is current until June. So I'll start the work order for the cabinet.

The cabinet is \$3,108.

Did you purchase the sign? If so, did you give them a "need by" date so they can make sure to have it here when you're ready to hang it?

Ralph

From: Adair, Ralph (DOT) <ralph.adair@state.mn.us>
Sent: Tuesday, December 14, 2021 3:11 PM
To: Ryan Halverson <RHalverson@ShakopeeMN.gov>
Subject: RE: [External]RE: Overhead DMS Board Control Cabinet Acquisition

Ryan,

I'll have to check with our state aid folks, but I'm pretty sure we have a municipal cooperative agreement with you already. That should make it easy for us to do the paperwork for that.

I'll check with them and get back with you.

Ralph

From: Ryan Halverson <RHalverson@ShakopeeMN.gov>
Sent: Monday, December 13, 2021 11:02 AM
To: Adair, Ralph (DOT) <ralph.adair@state.mn.us>
Subject: RE: [External]RE: Overhead DMS Board Control Cabinet Acquisition

Ralph,

I'm emailing to start the process of purchasing a 334MP DMS control cabinet from the state needed for an overhead DMS sign for the Scott County CSAH 83 project. Mark Callahan at Scott County has discussed this with you earlier this year (see emails below). The county project went out for bid and was initially rejected, delaying the need for the cabinet. Scott County has since rebid the project and are in the process of awarding the contract in early January 2022.

It has also been determined the City of Shakopee will be purchasing the cabinet instead of the county. The City is also purchasing the overhead DMS sign from LEDSTAR and other networking switches and power supplies from other vendors. These items aren't needed until late 2022, so we have plenty of time so secure the cabinet.

Please let me know what you need to start the process of purchasing the cabinet.

Thanks Much,
Ryan