



CGA Committee Agenda
October 7, 2021
9:00am

John Kelly, Councilmember, Chair,
John Williams, Councilmember, Vice-Chair
Kim Agfalvi, City Clerk
Scott Larson, City Administrator
Gretchen Russo, Finance Director

- 1. Call to Order**
- 2. Parks Report**
- 3. Public Comments**
- 4. Agenda Items**
 - A. Orting Historical Society- Clock Tower**
 - B. Golf Cart Fee**
 - C. Parking Strips**
 - D. Storage of Daffodil Float**
 - E. Fee Schedule**
 - F. Interlocal Agreements**
 - G. Grant Applications**
 - H. Swing Sets**
- 5. Meeting Minutes of September 2, 2021.**
- 6. Action Items/Round table review.**
 - Final comments
 - Identify Items that are ready to move forward, establish next meeting's agenda.
- 7. Adjournment**

Kim Agfalvi

From: Guy Colorossi <gcolorossi@centurytel.net>
Sent: Tuesday, September 7, 2021 2:30 PM
To: John Kelly; Scott Larson
Cc: Josh Penner; Scott Drennen; Tod Gunther; Greg Hogan; Gregg Bradshaw; Tony Belot; John Williams; Kim Agfalvi; Greg Reed; Gretchen Russo; Freda Bingham; Margaret O'Harra; Tim Lincoln; Mark Barfield; Danielle Charchenko; Jennifer Corona; Laura Hinds; jscott@cityoforting.org
Subject: Historical Society City Clock budget
Attachments: historical society - budget .xls

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon Councilmember Kelly & City Administrator Larson,

Finally, this morning, I received the last bit of information to formula a budget for the City Hall Clock project. See the attachment. Hope this helps in determining a value for Resolution 2021-12.

Let me give you an overview of what these numbers mean:

- **Electric Time**.....As it looks right now, the total costs for the clocks will be \$16,187.33. As you know Parametrix has committed to finance this portion of the project.
- **Pease Construction**.....I was able to get an estimate of what the installation charges might be from Garet Keehnel, of Pease Construction. This is a great guideline in which to work from and I have two volunteer contractors that will help cut these costs. Just how much? I don't know.
- **Valley Sign**.....You'll notice that we are going to have two plaques made. One in honor of George Capestany and one from the Historical Society recognizing all those who help make this possible. Because Parametrix wants to have a bust of George on their plaque the estimated bid is held in limbo because of the unknown size of the bust desired. We will be in touch with Parametrix regarding this issue as the time grows closer to creating the plaques.
- **Orting Historical Society**.....I am not sure how much more promotional expenses will be required to make this happen. I have listed what we have expended up to date. Further, I have documented the total dollars received as of 09/07/2021 and that is \$3,873.00.

Overall, the expenses are estimated to be \$41,415.05. With the plead of \$16,187.33 for the clocks and the \$3,873.00 cash received we have \$20,600.33 of that taken care. That leaves us with approximately \$21,000.00 to come up with and/or work off with volunteer help and support. I'm sure the latter will play a big role in helping meet our objective.

If you have any questions and/or see an error that I might made, please let me know. As it is right now this budget is as close as I can document. We might see some overruns and most certainly some savings.

Further, if you have a moment, please acknowledge this e-mail so I know that you have received it. Reason: Some platforms are censoring some of my e-mail. Until the next update, have a great day. 😊

Sam Colorossi
Secretary Treasurer
360-893-2334



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Total Control Panel

[Login](#)

To: kagfalvi@cityoforting.org

[Remove](#) this sender from my allow list

From: gcolorossi@centurytel.net

You received this message because the sender is on your allow list.

Hi Kim,

Here is all the communications activity that has taken place from August 23rd through our meeting on September 15th, for the city hall clock project. This packet is for the CGA committee and their meeting for October 7th.

Sam

City Hall Clock Project

Orting Historical Society

Index

- E-mail # 1. – September 07th, page 1. - Budget for clock explanation
- E-mail #1. - September 07th, page 2 . – Estimated cost budget for clocks.

Guy Colorossi

From: Guy Colorossi [<mailto:gcolorossi@centurytel.net>]

Sent: Tuesday, September 7, 2021 2:04 PM

To: madeline.jonesart@yahoo.com

Cc: 'Leland Meitzler'; stephenkmeitzler@gmail.com; patbus344@aol.com; patjmartinez22@gmail.com; skcochran53@comcast.net; JC Hungerford (JHungerford@parametrix.com); edtorreski@gmail.com; drtracy@centurytel.net; info@valley-sign.com; 'MIKE MCMAHON'

Subject: Historical Society City Clock budget

Good Afternoon Madeline and everyone addressed,

Finally, this morning, I received the last bit of information to formula a budget for the City Hall Clock project. See the attachment included.

Let me give you an overview of what these numbers mean:

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Sam Colorossi
Secretary Treasurer

Orting Historical Society						
City Hall Clock Project						
09/07/2021						
		Qty	InKind	Budget	Actual	Difference
Electric Time						
Clocks						
Special WP-6630+MI-LED-SF		2		7351.00		
CTRL-99BMI	Included	1				
CTRL-ELECT-PHOTO-T15	Included	1				
CTRL-GPS-RECEIVER-KIT-150		1		425.00		
WIRE-SPL-16/3-250 FT		1		95.00		
E2000-KIT		1		5657.00		
Shipping/Handling				1282.00		
Sales tax .093 rate				1377.33		
subtotal				16187.33		
Pease Construction						
Estimate Installation charges						
Demolition of Existing Windows & Stone		1		2400.00		
Stone Repair & Material		1		2700.00		
Clock Installation		1		3035.84		
Electrician Hookup & Material		1		3140.00		
Snorkel Lift for 1 month rental		1		2500.00		
Supervision		1		6830.64		
Misc Materials cost		1		500.00		
sub-total				21106.48		
Valley Sign						
Estimate for Plaques						
Plaque commemorating George Capstany		1		1350.00		
Plaque for overall project		1		1350.00		
Installation charges		2		350.00		
Sales tax .093 rate				183.65		
sub-total				3233.65		
Orting Historical Society						
Project Expenses						
Heritage Quest promotional brochures		200		54.80	54.80	
Gorilla Office Supplies - Envelopes/paper				132.79	132.79	
Orting Post Office - Postage Stamps				200.00	110.00	
Orting Rock Festival event exposure			100.00			
Misc expenses				500.00		
sub-total				887.59		
Donations						
Received to date:					3873.00	

City Hall Clock Project

City of Orting

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- #1. Draft - Resolution No. 2021-12

**CITY OF ORTING
WASHINGTON
RESOLUTION NO. 2021-12**

**A RESOLUTION OF THE CITY OF ORTING,
WASHINGTON, DECLARING A PUBLIC PURPOSE AND
AUTHORIZING A CITY GRANT OF FUNDS TO ORTING
HISTORICAL SOCIETY.**

WHEREAS, the City of Orting has adopted a Grant Policy (the "Policy") to provide grant funding to organizations which the City Council determines bring significant value to the citizens of Orting and which serve valid municipal purposes; and

WHEREAS, in the 2021 Budget included Council Discretionary Funds that are available for councilmembers to grant or use in any way that have a valid municipal purpose; and

WHEREAS, the Orting Historical Society is raising money to install two clocks in the City Hall clock tower; and

WHEREAS, the City Council's Community & Government Affairs Committee would like to grant Council Discretionary Funds to this community project; and

WHEREAS, the Historical Society agrees that the city funds granted to it will be used to install the clocks, and a contract between the City and the Historical Society shall be executed to that effect prior to the Historical Society's receipt of the grant funding described herein; and

WHEREAS, the City Council finds that funding the aforementioned activity serves the valid municipal purposes of promoting the historic character of the community, improving the City's position in the larger area and vitality and thus the health, safety and welfare of the community; and

WHEREAS, the City Council finds that the Orting Historical Society meets the requirements of the City's Policy, and qualifies for grant funding as an organization serving valid municipal purposes; and

NOW, THEREFORE, the City Council of the City of Orting, Washington, do resolve as follows:

Section 1. Declaration of Public Purpose. The City Council declares that the Orting Historical Society serves the valid municipal purposes described herein, and that the described intent for the requested funding is instrumental in ensuring that the organization meets those purposes.

Section 2. Authorization for Funding. The City Council authorizes the City's grant funding Orting Historical Society, for the municipal purposes described herein, in the amount of

§ _____. The Mayor is authorized to enter into a contract with the Orting Historical Society to memorialize the City's grant funding described herein.

Section 3. Effective Date. This Resolution shall take effect and be in full force immediately upon its passage.

PASSED BY THE CITY COUNCIL AT A REGULAR MEETING THEREOF ON THE ____ DAY OF _____, 2021.

CITY OF ORTING

Joshua Penner, Mayor

ATTEST/AUTHENTICATED:

Kim Agfalvi, City Clerk

Approved as to form:

Charlotte Archer, City Attorney
Inslee, Best, Doezie & Ryder, P.S.

City Hall Clock Project

Electric Time

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- E-mail #1. August 23rd – subject: Clock options
- E-mail #2. August 23rd – subject: Chime options
- E-mail #1. August 24th – subject: Semi-Flush Mounting Ring information
- E-mail #2. August 24th – subject: Engineering fastener recommendations
- E-mail #1. August ~~25~~²⁶th - subject: Purchasing inquiry – line item costs
- E-mail #1. August 27th - subject: Dial and hands clarification
- E-mail #2. August 27th – subject: Face T-1, T3 and G-1 options clarified
- E-mail #1. September 01st - subject: Advised formal quote in process
- E-mail #1. September 02nd – subject: Quote for backlit canister clocks
- E-mail #2. September 02nd – subject: Clocks and Chimes specifications. (Info not in this packet. – Too many pages.)
- E-mail #3. September 02nd - subject: Explanation of quotes and detail apology.

Guy Colorossi

To: Guy Colorossi
Subject: RE: City hall clock project.

From: Guy Colorossi [<mailto:gcolorossi@centurytel.net>]
Sent: Monday, August 23, 2021 10:20 AM
To: gcolorossi@centurytel.net
Subject: City hall clock project.

Called Tina, with Electric Time this morning, August 23rd and discussed many options to keep this project rolling along.

Clock Options:


- Option 60A00 Edge-lit light requires larger canister.
- Option 6600 Back-lit light has the smaller canister for slipping it into the opening but the face of both clocks are the same in diameter.

Chime Options:

- The E1002 Chimes has a limited range of programs and cost \$3,000.
- The E2000 Chimes has a large range of programs and cost \$5,700.
- Tina is to send a breakdown of the differences between the two.

I asked Tina to bring in our focus of having two clocks installed and down to one design.

Sam

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Guy Colorossi

To: Martina S. Galvin
Subject: RE: Chimes - Orting City Hall - Orting, WA

From: Martina S. Galvin [<mailto:mssg@electrictime.com>]
Sent: Monday, August 23, 2021 10:53 AM
To: gcolorossi@centurytel.net
Subject: Chimes - Orting City Hall - Orting, WA

Dear Sam:

It was nice speaking to you today. Per our discussion, below please find information regarding the two different chime systems we offer.

The E1002 is our basic chime system. The E2000 is the more elaborate chime system.

Both use the same size enclosure, with the same speakers (tower horns and drivers). The standard package comes with (4) tower horns and drivers, and 250ft. speaker wire. We can quote a different speaker quantity, or different speakers, or additional speaker wire, if desired. Information on the standard tower horns and drivers is attached for your reference.

The chime unit needs to be located indoors (temperature & climate controlled), right next to the 99B-MI clock controller.

E1002 Chime Unit

On our E1002 chime unit any settings take effect immediately, and if you would like to change a setting you have to make the adjustments through the 99B-MI clock controller at which time the new settings take effect. You cannot program settings ahead of time, and you cannot program the system to play only on specific days or at specific times - except you can program it to play one specific song (or songs from a specific play list) either just once a day, or all day long, on the top of the hour.

The order of event is as follows.

On the hour:

1st plays the chime (Westminster, or another chime that you select - the standard is the Westminster)
2nd plays the hour strike ("bong")
3rd plays a song if selected

For the song

-it can be set to play only once a day (on any specified hour - this does NOT have to be 12:00 noon), or every hour all day long
-it can be a specific song, or a song from one of the lists
- -- if a list: It does not play the songs randomly. It plays them in order of the list.
 If only once daily: Day 1 play first song, Day 2 play second song from the list, etc.
 If hourly: Play 1st song on first hour, 2nd song on following hour, 3rd song on following hour, etc.

E2000 Chime Unit

The E2000 is a windows based system. You can program chimes/songs ahead of time, to play only on certain days, or only at certain times. You can also add your own song files it has the ability to play .mid files and to record and play other digital audio files (wave and MP3).

Regarding the clock dimensions – Drawing B-4311 shows dimensions for our 6600 series (backlit) canister clocks (attached). We need to know if the canister of the Style 6630 clock would fit through the metal frame (if you can keep the metal frame), and what the o.d. of the semi-flush mounting ring should be (so that it fits from the front). We are planning on providing a custom o.d. semi-flush mounting ring (smaller than the standard size) to fit with your window frame.

I am checking with the engineer and will send a separate email with feedback regarding the information you had forwarded to me today.

Sincerely,



Martina (“Tina”) Galvin

Customer Service

o: 508-359-4396 x 1020

f: 508-359-4482

a: 97 West Street, Medfield, MA 02052 USA

e: msg@electrictime.com

w: www.electrictime.com



D1075T

75W Driver with 70V Transformer



D1075T

75W Driver with 70V Transformer

The Dayton Audio D1075T PA driver provides efficient, articulate sound and is designed to excel in the harshest environment. The phenolic-impregnated cloth diaphragm will resist years of continuous stress, and multiple-attenuation taps on the enclosed transformer permit easy adjustment of maximum output.

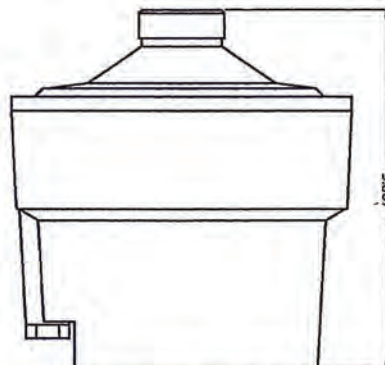
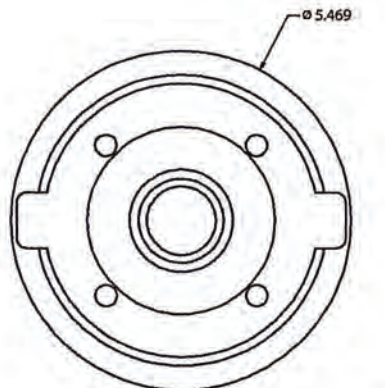
Features

- High power handling
- Durable phenolic diaphragm
- Weather-tight housing
- High output, low distortion
- Integrated 70V transformer with selectable taps
- 1-3/8"-18 threaded horn coupling
- Five-year warranty

Parameters

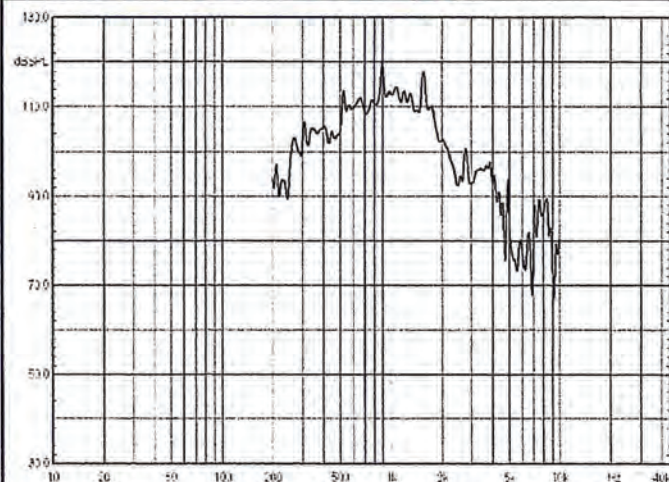
Nominal Input (V)	70.7
RMS Power Handling (W)	75
Frequency Response* (Hz)	180 - 6,000
Horn Coupling	1-3/8" - 18 x 1/2"
Impedance (Ω)	16
SPL (dB@1W/1m)	110
Weatherproof	Yes
Explosion Proof	No
Voice Coil Material	Kapton / Copper
Voice Coil Diameter (Inches)	2
Weight (kg)	2.5
Transformer Taps (W)	25, 30, 50, 75, 16 Ω

Warning: This product not suitable for locations requiring explosion-proof electrical hardware.



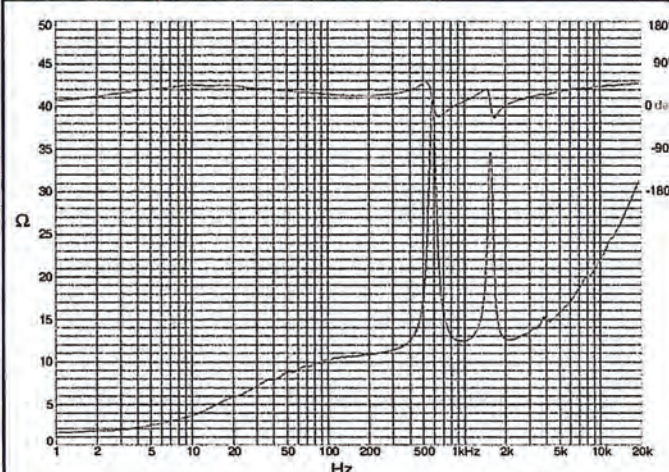
Note: All dimensions in inches.

Frequency Response



Frequency Response measured on RPH20 Horn @ 16-ohm tap, 5.6Vrms (1W)

Impedance/Phase



Impedance Response measured without horn

Guy Colorossi

From: Martina S. Galvin <msg@electrictime.com>
Sent: Tuesday, August 24, 2021 12:48 PM
To: gcolorossi@centurytel.net
Subject: Clock Drawing for Style 6630 with Semi-Flush Mounting Ring - Orting City Hall
Attachments: A-8976.pdf; B-4311.pdf

Dear Sam:

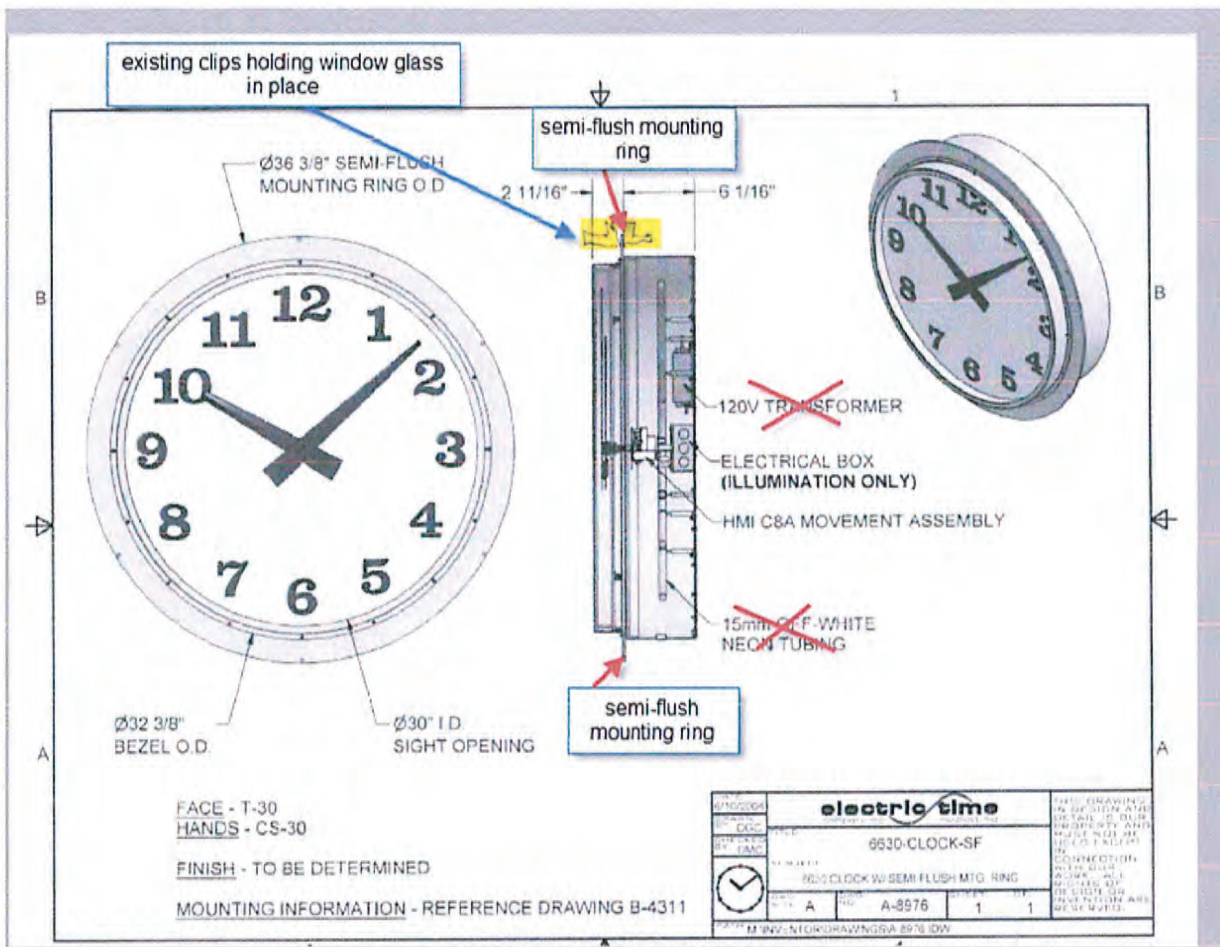
Below is what the engineer recommends regarding fastening the clocks.

Option One

Attached please find Drawing A-8976, showing our Style WP-6630-MI-SF clock (Style 6630 with semi-flush mounting ring). Please disregard the neon lighting reference as the current design uses LED backlighting.

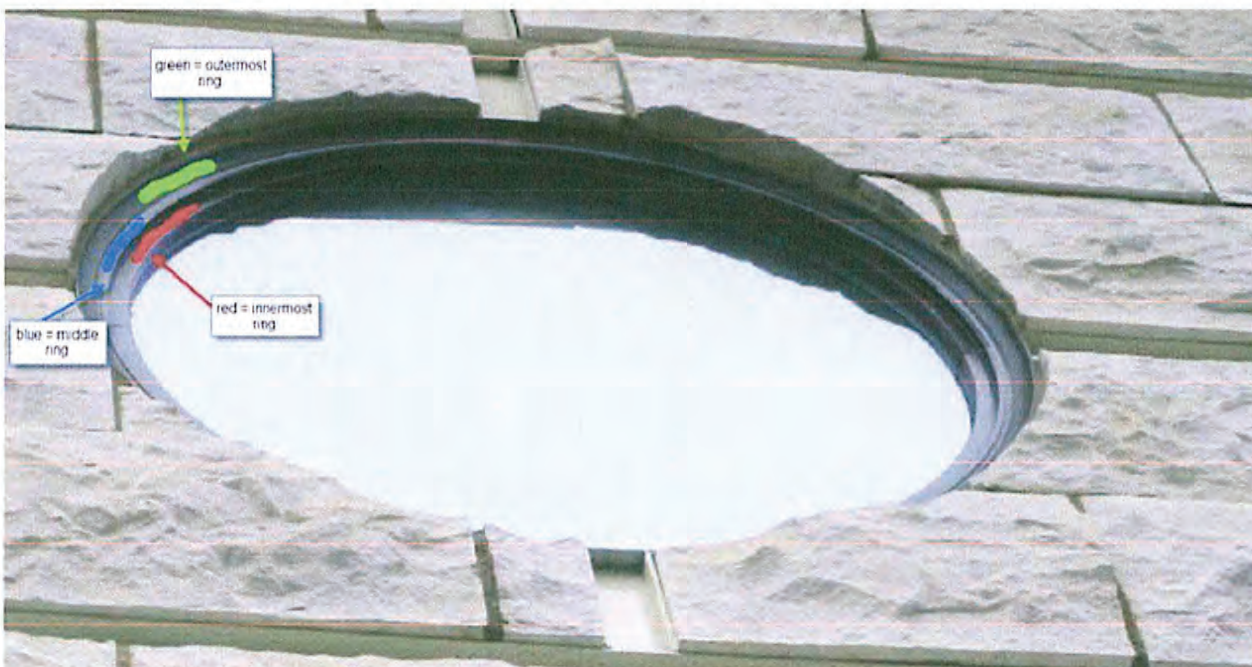
Below is a marked-up version of this drawing – the engineer marked it up with some “clips” which we believe hold your existing window glass in place. Your contractor would remove the window glass, and would use the same “clips” to hold the semi-flush mounting ring of the Style 6630 clock in place. You would measure the o.d. of the window glass (once it is taken out) so we can make the o.d. of the semi-flush mounting ring the same size.

The clock canister (“tuna can”) of the Style 6630 clock measures 32-5/8” o.d. and it needs a clear 33-1/8” i.d. opening to fit through. So once the glass is removed you need to be able to fit this canister through the metal window frame (ref. Drawing B-4311, attached).



Option Two

If the semi-flush mounting ring cannot be sandwiched in place using clips that are currently in place (holding the window glass) the contractor could attach the semi-flush mounting ring to one of the three window frame levels shown in the photo below (with mounting holes in the semi-flush mounting ring, to screw to the window frame ring). You would need to let us know which one of the three frame levels the semi-flush mounting ring should sit on top of, and what the o.d. of that frame level is:



The size of the window frame opening (to fit the canister through) will need to be measured for either mounting option.

If you have any questions tomorrow please do not hesitate to contact us. Please call the office (dial "0" when you get into the voice mail system). Our engineer, David Cournoyer, is in the office until 3:30 PM Eastern time. I have a couple of appointments in the afternoon, so it's best to call the general office number if you cannot reach me at my desk.

Regarding finding an installer, you could also try a window company, or a sign company.

Sincerely,



Martina ("Tina") Galvin

Customer Service

o: 508-359-4396 x 1020

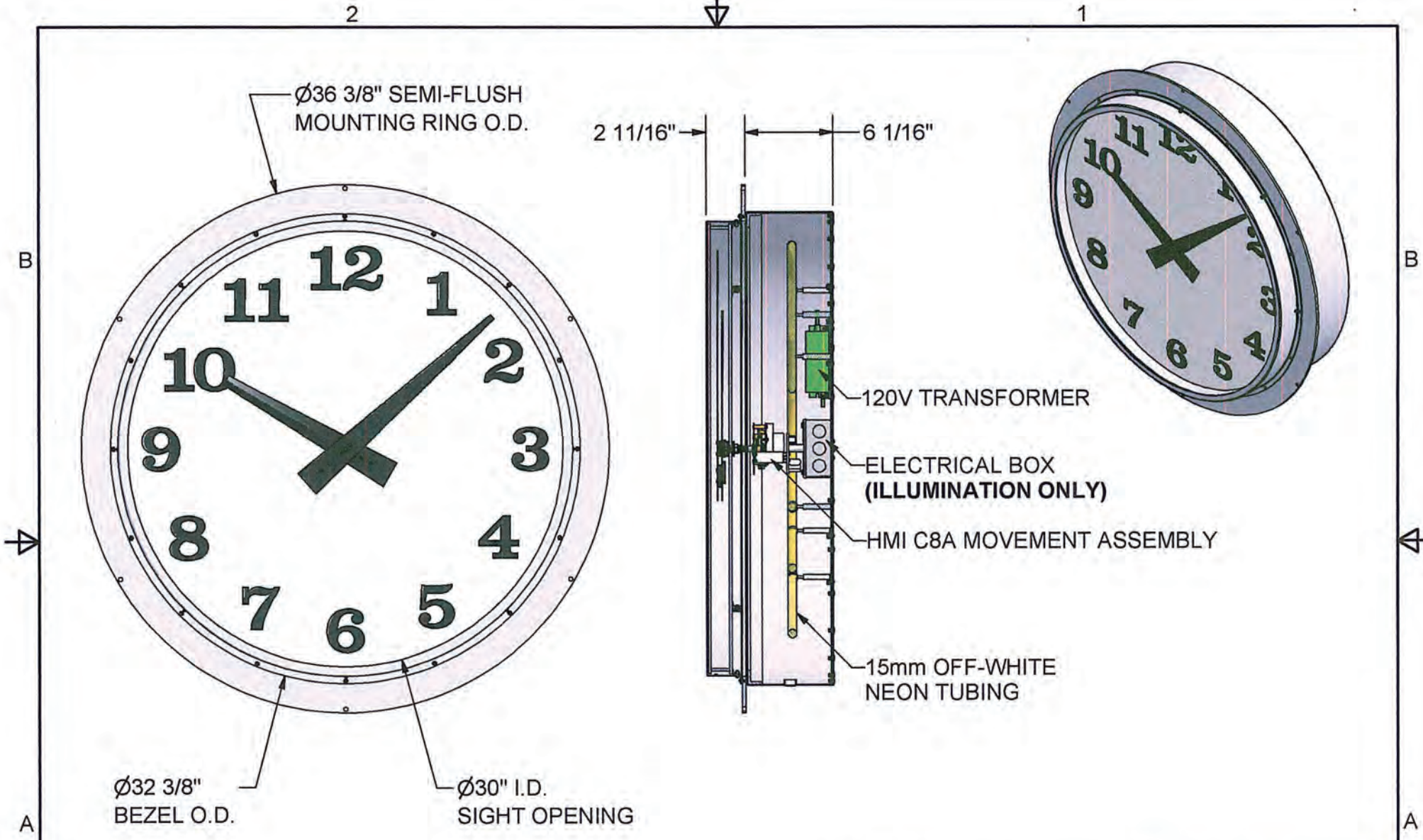
f: 508-359-4482

a: 97 West Street, Medfield, MA 02052 USA



e: msg@electrictime.com

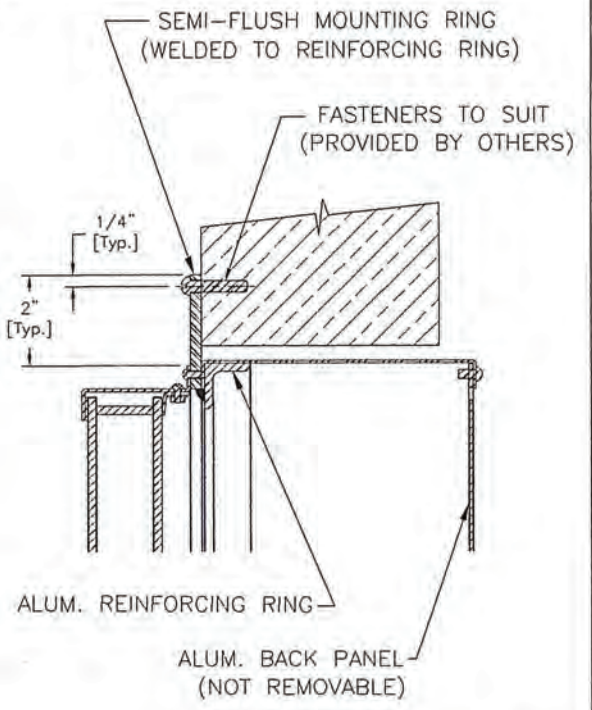
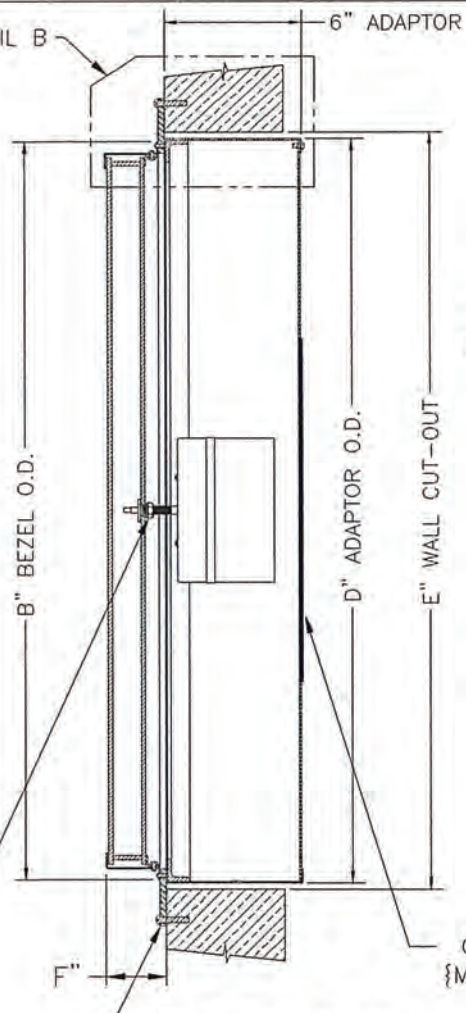
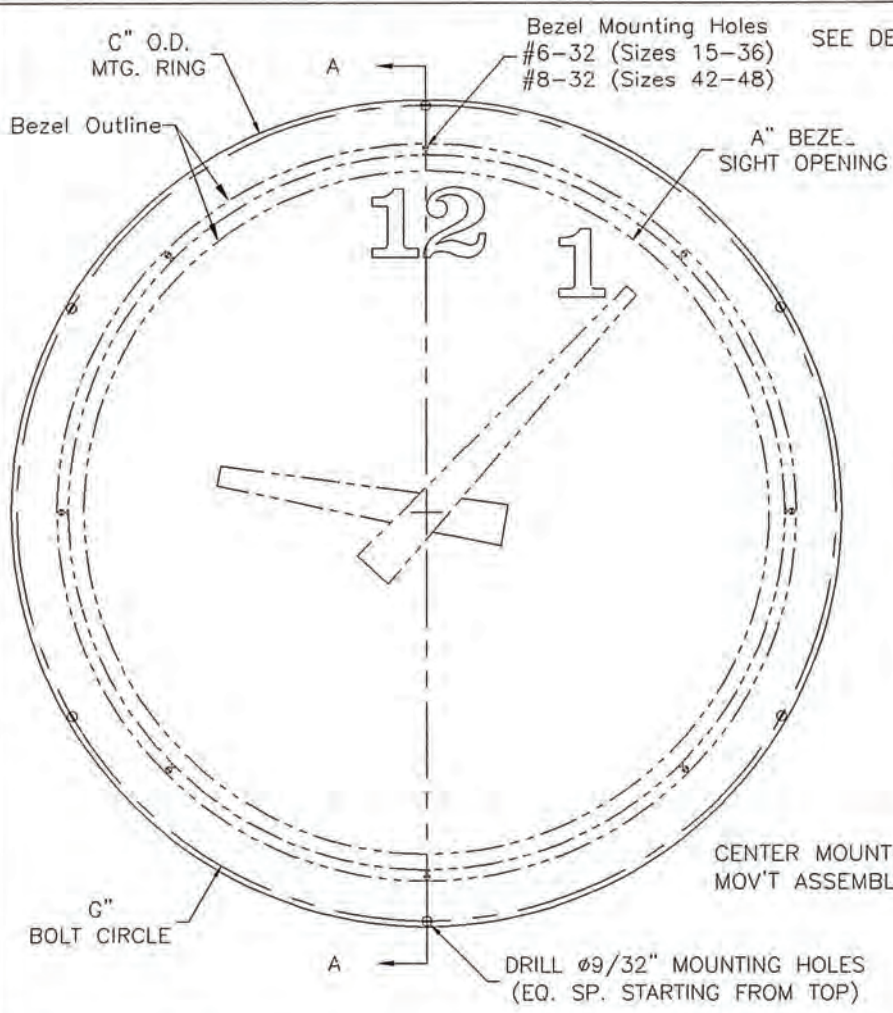
w: www.electrictime.com





FACE - T-30
 HANDS - CS-30
 FINISH - TO BE DETERMINED
 MOUNTING INFORMATION - REFERENCE DRAWING B-4311

DATE: 6/10/2004	 company, inc medfield, ma		THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		
DRAWN BY: DGC					TITLE: 6630-CLOCK-SF
CHECKED BY: DMC	SUBJECT: 6630 CLOCK W/ SEMI-FLUSH MTG. RING		DWG SIZE: A	DWG NO: A-8976	SHEET: 1 OF 1
		PATH: M:\INVENTOR\DRAWINGS\A-8976.IDW			



OPTIONAL ACCESS DOOR {MUST SPECIFY ON ORDER}

SEMI-FLUSH MTG. RING
2-1/2" WIDE x 1/4" THK.
[2" WIDE ON 6615 ONLY]

SECTION A-A

DETAIL B

48"	47"	49-7/8"	53-7/8"	50-1/8"	50-5/8"	3-1/2"	53-3/8"	10
42"	41"	43-7/8"	47-7/8"	44-1/8"	44-5/8"	3-1/2"	47-3/8"	10
36"	36"	38-3/8"	42-3/8"	38-5/8"	39-1/8"	3-1/2"	41-7/8"	8
30"	30"	32-3/8"	36-3/8"	32-5/8"	33-1/8"	2-5/8"	35-7/8"	8
24"	24"	26-3/8"	30-3/8"	26-5/8"	27-1/8"	2-3/8"	29-7/8"	6
15"	15"	17-3/8"	20-3/8"	17-5/8"	18-1/8"	2-3/8"	19-7/8"	4
SIZE	A	B	C	D	E	F	G	# OF MTG. HOLES

SF301	SF305
SF241	SF245
SF151	SF155
CONTOUR PRGM (1/4)	SPOT PRGM

VIEW LASER

PATH M:\MDT\DRAWING\B-4311.DWG

TITLE SEMI-FLUSH MOUNTING RING
6600 CLOCKS (15" - 48")

REVISIONS

REV. A	3-18-02	DMC
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SCALE As Noted

DATE 06-12-00

DRAWN JMC

APPRV DMC

DRAWING B-4311

electrotime
company, inc. medfield, ma

Guy Colorossi

Subject: FW: historical society - city hall clock project .xls
Attachments: historical society - city hall clock project .xls

From: Guy Colorossi [<mailto:gcolorossi@centurytel.net>]
Sent: Thursday, August 26, 2021 7:00 PM
To: Martina S. Galvin (msg@electrictime.com)
Subject: historical society - city hall clock project .xls

Hi Tina,

I put together a simple expense spreadsheet of what I think the clocks, that we want to purchase, will cost. I need to have you review what I have done and correct anything that needs to be corrected. If I were to order these clocks today, is this what I'd be paying for them? Are there any other charges we need to know about?

I put in a footnote inquiring about "G1". What is this? I went back to all the schematics that you sent and I don't see something called a "G1".

Tina, did you notice that I feel the openings that we currently have will work. Did you see the measurements that I sent?

Are there still any loose ends that we need to discuss? We are getting close.

Sam Colorossi

Two Clock expenses		Orting city hall clock project
25-Aug-21		
Style: WP-6630-MI-SF - Backlit	7400.00	Includes (1) 99B-MI clock controller. Requires 33 - 1/8 inch opening. We have 33 - 7/8 inch with small trim currently attached. We remove small trim and we have 34 - 3/8 inch opening.
"T3" dial markings	Included	
Style "ES" hands	Included	
Glass Face	Included	Protective clear, flat, tempered glass crystal.
E2000-Kit Chime system	5700.00	Chimes require 99B-MI clock controler.
GPS satellite receiver	425.00	GPS receiver is needed to connect to 99B-MI clock controller.
Shipping and Handling	1400.00	For two clocks and one set of chimes.
Total	14925.00	
Footnote: Don't understand style option "G1". Don't have any examples to look at.		

Guy Colorossi

To: Martina S. Galvin
Subject: RE: historical society - city hall clock project .xls Orting City Hall

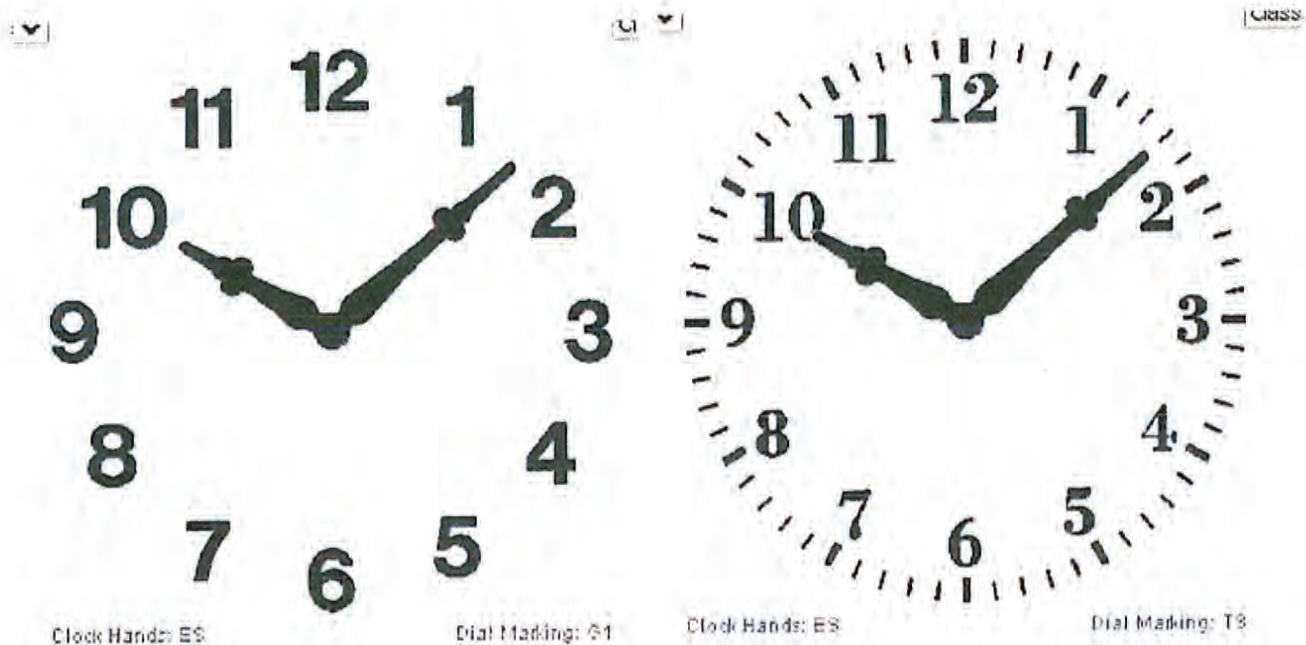
From: Martina S. Galvin [<mailto:msg@electrictime.com>]
Sent: Friday, August 27, 2021 6:52 AM
To: Guy Colorossi
Subject: RE: historical society - city hall clock project .xls Orting City Hall

Good Morning Sam:

I will check the numbers, and send you a formal quotation for your selections, so you have the exact amounts.

The "G1" dial markings are shown below, with the "ES" hands. They are a design which can be found on Data Sheet 439 (attached).

I am also sending an image of the alternate design you were considering - the "T3" dial markings with the "ES" hands.



That's great news if you found that the canister of the Style 6630-SF clock will fit. We will need to know what the o.d. of the semi-flush mounting ring should be, and whether you are having it held in by the presumed "clips" that would be holding your current glass in place, or whether it should have mounting holes to attach to the metal window frame from the front.

Sincerely,

electric time
company, inc.
since 1921
Martina ("Tina") Galvin
Customer Service

o: 508-359-4396 x 1020
f: 508-359-4482
a: 97 West Street, Medfield, MA 02052 USA
e: msg@electrictime.com
w: www.electrictime.com



DS-439A

ADDITIONAL CLOCK FACES

97 West Street, Medfield, MA 02052

p: 508.359.4396 f: 508.359.4482

www.electrictime.com

NOTE: "*" THESE HANDS ARE AVAILABLE FOR ADDITIONAL COST



Face A2 / Hands WS



Face A1 / Hands WS



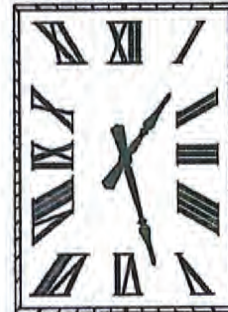
Face BE / Hands LS



Face C1 / Hands IS



Face F1 / Hands SS*



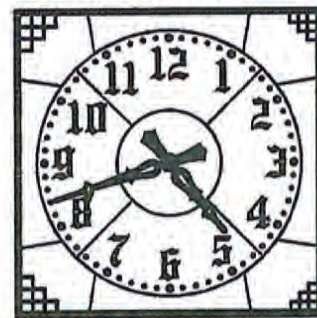
Face F2 / Hands FS



Face G1 / Hands LS



Face JE / Hands AS



Face JE1 / Hands MS-A



Face L1 / Hands HS



Face L2 / Hands CS



Face L3 / Hands MC

Guy Colorossi

To: Guy Colorossi
Subject: RE: historical society - city hall clock project .xls Orting City Hall

From: Guy Colorossi [<mailto:gcolorossi@centurytel.net>]
Sent: Friday, August 27, 2021 8:26 AM
To: 'Martina S. Galvin'
Subject: RE: historical society - city hall clock project .xls Orting City Hall

Good Morning Tina,

Just got off the telephone with our president of the historical society with regards to the Face T-1 , T-3 and G-1 options. We have come to the conclusion that we'd like to stay away from the minute marks on the clock and just go with numbers. We like the font style of T-1 better than G-1. Again, we will be sticking with the ES hands.

Thanks for your quick response.

Sam Colorossi

Guy Colorossi

To: Martina S. Galvin
Subject: RE: Dial Marking Style - Orting City Hall

From: Martina S. Galvin [<mailto:msg@electrictime.com>]
Sent: Friday, August 27, 2021 8:53 AM
To: Guy Colorossi
Subject: Dial Marking Style - Orting City Hall

Dear Sam:

Thanks for the update. I will use T1 ("tee-one") with the "ES" hands.

To avoid confusion, I am spelling out the dial marking Style – we have a T1 ("tee-one") and a TI ("tee-eye"). I understand you want "T1" ("tee-one"), which has Arabic numerals for all twelve hour positions. See Data Sheet 469 pasted below.

ADDITIONAL CLOCK FACES

DS-469

NOTE: "*" THESE HANDS ARE
AVAILABLE FOR ADDITIONAL COST

97 West Street, Medfield, MA 02052

p: 508.359.4396 f: 508.359.4482

www.electrictime.com



Face Q2 / Hands MC



Face RA / Hands SS*



Face RB / Hands WS



Face RC / Hands CS



Face T1 / Hands ES



Face T2 / Hands MS



Face T2A / Hands GS



Face T3 / Hands AS



Face T4 / Hands DS



Face T5 / Hands CS



Face T1 / Hands IS



Face U1 / Hands LS

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Sincerely,

Martina (“Tina”) Galvin

Customer Service

o: 508-359-4396 x 1020

f: 508-359-4482

a: 97 West Street, Medfield, MA 02052 USA

e: msg@electrictime.com

w: www.electrictime.com



Guy Colorossi

To: Guy Colorossi
Subject: RE: Dial Marking Style - Orting City Hall

From: Guy Colorossi [<mailto:gcolorossi@centurytel.net>]
Sent: Friday, August 27, 2021 8:54 AM
To: 'Martina S. Galvin'
Subject: RE: Dial Marking Style - Orting City Hall

Wow, Tina, the options are endless. And yes, we want the T-1 (“tee – one”) with all twelve hour positions.

Thank you for the clarification.

Sam Colorossi

Guy Colorossi

Subject: RE: Clock Update - Orting City Hall - Orting, WA

From: Martina S. Galvin [mailto:msg@electrictime.com]

Sent: Wednesday, September 1, 2021 12:09 PM

To: gcolorossi@centurytel.net

Subject: Clock Update - Orting City Hall - Orting, WA

Dear Sam:

I wanted to let you know that I have your formal quotation in process. It should be finished by tomorrow morning.

Sincerely,



Martina ("Tina") Galvin

Customer Service

o: 508-359-4396 x 1020

f: 508-359-4482

a: 97 West Street, Medfield, MA 02052 USA

e: msg@electrictime.com

w: www.electrictime.com



Guy Colorossi

To: Guy Colorossi

Subject: RE: Clock Update - Orting City Hall - Orting, WA

From: Guy Colorossi [mailto:gcolorossi@centurytel.net]

Sent: Wednesday, September 1, 2021 1:09 PM

To: 'Martina S. Galvin'

Subject: RE: Clock Update - Orting City Hall - Orting, WA

Thank you Tina. Have had you on my mind every day since we last spoke.

Sam

Guy Colorossi

From: Martina S. Galvin <msg@electrictime.com>
Sent: Thursday, September 2, 2021 2:07 PM
To: gcolorossi@centurytel.net
Subject: Price Overview Orting City Hall - Orting, WA
Attachments: Orting City Hall - Price Overview for 09022021 Quote.pdf

Dear Sam:

Attached please find our price overview.

Sincerely,



Martina ("Tina") Galvin

Customer Service

o: 508-359-4396 x 1020

f: 508-359-4482

a: 97 West Street, Medfield, MA 02052 USA

e: msg@electrictime.com

w: www.electrictime.com





September 2, 2021

Sam Colorossi
Orting City Clock Committee
P.O. Box 373
Orting, WA 98360
Via E-Mail: gcolorossi@centurytel.net

Subject: Clock Equipment - Orting City Hall - Orting, WA

Dear Sam:

Per your request, below please find a short pricing overview for the equipment quoted for the above project in our September 2, 2021 quotation. This is for the standard chime configuration (with 4 tower horns with drivers), and includes 250ft. of low voltage wire.

Item	Quantity	Price
Special WP-6630-MI-LED-SF	2	\$7,351.00
CTRL-99BMI	1	included in above price
CTRL-ELEC-PHOTO-T15	1	Included in above price
CTRL-GPS-RECEIVER-KIT-150	1	\$425.00
WIRE-SPL-16/3-250FT	1	\$95.00
E2000-KIT	1	\$5,657.00
Shipping & handling for the above equipment		\$1,282.00
Total of the above		\$14,810.00

.093 T~~x~~ 1377.33

Please let me know if I can be of any further assistance.

Sincerely,

Martina Galvin

Martina "Tina" Galvin
msg@electrictime.com

Standard Terms & Conditions of Sale

97 West Street, P.O. Box 466

Medfield, MA 02052 USA

(p) 508.359.4396 (f) 508.359.4482

www.electrictime.com

TAXES Unless otherwise stated, prices are exclusive of applicable sales, excise or similar taxes of federal, state or local government. As a Massachusetts corporation, we collect only Massachusetts taxes. Any other applicable taxes must be reported and paid directly by the purchaser.

INSURANCE Any insurance requirements made by you which result in an expense to Electric Time Co., Inc., will be in addition to any published or quoted prices. Copies of insurance certificates are available on request. To be named as an additional insured for a specific project, there will be an additional \$250.00 one-time charge.

PRICES All prices are in U.S. dollars and payment is to be in U.S. dollars. Unless otherwise stated, if we provide a written quotation, we hold quoted prices for 90 days. Prices are subject to change without notice. It is our policy not to review and execute contracts for orders under \$25,000.

SHIPMENTS Unless otherwise stated, all shipments are made F.O.B., Medfield, MA, USA. All quoted lead times are approximate based upon current and projected work loads. Shipments will be made the least expensive and fastest way, taking into consideration the delivery and urgent need of your order, unless otherwise stated on your order. Prepaid freight charges will be added to invoices.

CLAIMS Upon acceptance from Electric Time Co., Inc. by the carrier, the material becomes the property of the consignee. All claims for damage, breakage or loss, concealed or obvious, must be made to the carrier by the consignee. Claims of short shipment must be made to Electric Time Co., Inc. within five (5) days of receipt of material.

PAYMENT Orders under \$1,000.00 will require full payment with order. Since all the equipment we manufacture is custom built, we require a 40% deposit on any order over \$1,000.00. To establish an account with us, we require three credit references and the name of your bank with full addresses. If you do not care to open an account, we can ship upon receipt of final payment. All payments are due NET 10 days upon receipt of invoice. Final payment is due within 30 days after shipment of clocks invoiced. After 30 days, there will be a 1-1/2% interest charge per month on any unpaid balance. Minimum invoice charge is \$55.00. For international sales, payment is to be made by wire transfer.

WARRANTY All equipment is sold subject to the mutual agreement that it is warranted by Electric Time Co., Inc. to be free from defects of material and construction, but our liability in connection with it shall be limited to replacing or repairing without charge at our factory any material or construction defects which become apparent within three years from the date on which new equipment is shipped, that we shall have no liability for damages of any kind arising from the installation and/or use of the apparatus by anyone, and that the purchaser by the acceptance of the equipment will assume all liability for any damages which may result from its use or misuse by the purchaser, his or its employees or by others. There is no guarantee or warranty or liability except as here stated.

RETURNS Since most of our clocks are custom built, in general, returns are not accepted. Standard stock items may be returned for credit, subject to inspection and acceptance, if prior authorization has been obtained from Electric Time Co., Inc. There will be a 20% restocking charge on all standard catalog items.

FINISHES Our standard paint colors are matte black, off-white, bright-white, satin aluminum, medium bronze (matches Duranodic #312), dark bronze (matches Duranodic #313), forest green, gold, blue and red. Other colors and finishes are available at additional cost.

Guy Colorossi

Subject: FW: Clock Quotation - Orting City Hall - Orting, WA
Attachments: 6630-SF special & E2000 with attachments - Orting City Hall - Orting, WA.pdf

From: Martina S. Galvin [<mailto:msg@electrictime.com>]
Sent: Thursday, September 2, 2021 12:58 PM
To: gcolorossi@centurytel.net
Subject: Clock Quotation - Orting City Hall - Orting, WA

Hi Sam,

I just realized that I replied to your September 1 email, when I sent you the quotation this afternoon, so you may not have received it.

I am sending a fresh email with it now, please see attached our quotation for the two backlit canister clocks and the elaborate chime system on the above project.

Please let me know if I can be of any further assistance.

Sincerely,

electric time
company, inc.
Telephone & Internet Marketing Since 1982

Martina ("Tina") Galvin

Customer Service

o: 508-359-4396 x 1020

f: 508-359-4482

a: 97 West Street, Medfield, MA 02052 USA

e: msg@electrictime.com

w: www.electrictime.com





September 2, 2021

Sam Colorossi
Orting City Clock Committee
P.O. Box 373
Orting, WA 98360
Via E-Mail: gcolorossi@centurytel.net

Subject: Quotation – Clock Equipment - Orting City Hall - Orting, WA

Dear Sam:

Thank you for your interest in Electric Time clocks. In reply to your request, I am sending Data Sheets 455, 469, 467 & 483, plus Drawings B-4311 and B-10668, page 15 of our latest tower clock brochure "Designing Time", HORN-DAYAD-RPH16-pg1.dpf, DRIV-DAYAD-D1075T-pg1.pdf, along with our Standard Terms and Conditions of Sale.

We are pleased to quote on the equipment you requested, as follows:

- | Qty. | Description |
|------|--|
| (2) | Special Style WP-6630-MI-LED-SF, nominal 30" round, back-lighted outdoor canister clocks with semi-flush mounting ring – <i>o.d. of semi-flush mounting ring and mounting method tbd.</i> The outside diameter of the canister measures 32-5/8" and requires a clear 33-1/8" i.d opening in the wall. Features include: Electric Time Company, Inc. Style H-MI minute impulse clock movement. Translucent milky white acrylic dial, backlit with white LED's. Black dial markings, Style "T1" ("tee-one"), and clock hands, Style "ES" (rod tails to be bright white, <i>please confirm rod tail color when ordering.</i>) Flat clear tempered glass crystal. Aluminum bezel, canister, and semi-flush mounting ring to have a polyurethane painted finish, <i>please specify color from Manufacturer's Standards.</i> Our standard painted finishes are: medium or dark bronze (matches Duranodic #312 & #313), off-white, matte-black, satin aluminum, forest green, red, bright white, blue or gold. Optional small rear access panel for movement servicing – <i>please specify if desired when ordering.</i> <i>Semi-flush mounting ring o.d. and mounting method tbd*</i> . Single source: Clock and movement to be manufactured by the same company. UL listed. |
| (1) | Type CTRL-99BMI, Automatic Clock Controller with IP65 enclosure – Indoor & Outdoor Use. Automatically resets clock after power failures and for daylight savings time (if required). Precision Quartz Time base 4 minutes per year maximum drift. Optional GPS – no drift. Built in 100 year daylight savings time calendar. 2 Line 16 character back lit LCD display. ETL listed to UL 863. |

ELECTRIC TIME COMPANY, INC. 97 WEST STREET - MEDFIELD, MA USA 02052
PHONE 508-359-4396 - FAX 508-359-4482 SALES@ELECTRICTIME.COM
HTTP://WWW.ELECTRICTIME.COM

Power Failure Event logging. Standard MI output – 4 clocks maximum standard. Standard 24VDC RP output -20 clocks maximum. Sweep Second hand output. Hour Strike Capability. RS-232 and RS-485 output ports
24 VAC hour strike output – configurable pulse output.

- (1) CTRL-ELEC-PHOTO-T15 photoelectric cell to control the illumination.
- (1) CTRL-GPS-RECEIVER-KIT-150 GPS receiver kit with 150ft. cord. This will provide time accurate to 1 microsecond 1×10^{-6} . This will enable the clock to synchronize with National Bureau Standard Atomic Clock.

All of the above for the net (BUY) price of \$7,776.00, plus \$761.00 for shipping and handling to Orting, WA. This price does not include any sales taxes.

**Please specify semi-flush mounting ring o.d.* when ordering. *Please specify also* whether mounting holes should be provided in the ring, or if the ring will be wedged in-between existing clips/brackets which currently hold the window glass in place. The standard semi-flush mounting ring o.d. is 36-3/8" (ref. Drawing B-4311).

Low Voltage Wire

As an option, we can offer a spool of 250ft. 16 Gauge low voltage wire (part# WIRE-SPL-16/3-250FT) for an additional \$95.00 plus shipping and handling, or a spool of 500ft. 16 Gauge low voltage wire (part# WIRE-SPL-16/3-500FT) for an additional \$185.00 plus shipping and handling - *please specify if desired when ordering.* This is 16GA-3 conductor cable.

Electronic Chime Option

As an option we can offer our E2000-Kit elaborate electronic chimes as described below, for an additional US\$5,657.00, plus an additional \$521.00 for shipping and handling to Orting, WA when shipped together with the above clocks – *please specify if desired when ordering.* If you do not need (4) tower horns with drivers you can deduct a total of \$130.00 from the chime package price for deleting (1) horn with the associated driver. *Please confirm horn/driver quantity when ordering.*

Quantity	Description
1	Style E2000-W10 MI Integrated chime & hour strike. 150 watt amplifier with current limit protection. Digital Recorded Westminster Chime and hour strike. Chime may be played during a time setable window. Control can be programmed for either an hour strike or an hour strike and Westminster chime on the quarter hour. Ability to play .mid files and to record and play other digital audio files (wave and MP3). Mid song library.
250'	#16/2 Speaker Wire (70 Volts)

4	HORN-DAYAD-RPH16 tower horns with DRIV-DAYAD-D1075T drivers
---	---

Note: The E2000-W10 chime cabinet must be located indoors (temperature and climate controlled), right next to the 99B-MI clock controller.

Since this equipment is custom built, on orders over \$1,000.00 we require a 40% deposit. Delivery is typically 8 to 10 weeks (currently approximately 10 to 12 weeks) *or as needed* after receipt of purchase order, deposit and release, F.O.B., Medfield, MA. Please see enclosed Standard Terms and Conditions of Sale.

If I can be of any further assistance please let me know.

Sincerely,

Martina Galvin

Martina "Tina" Galvin
msg@electrictime.com

5

SURFACE MOUNTED CLOCKS
STYLE 8 6600 (ROUND)
& 3600 (SQUARE)
15" TO 48" SIZES

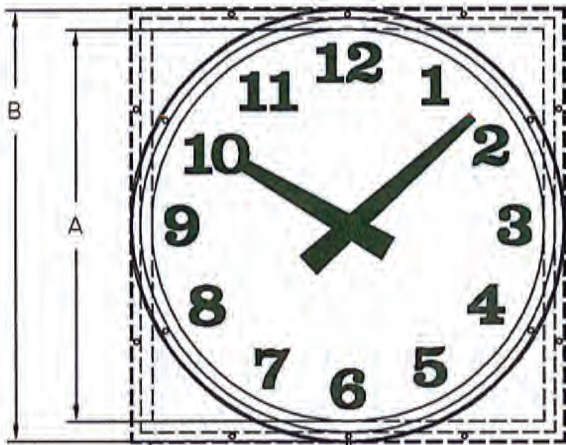


DS-455A

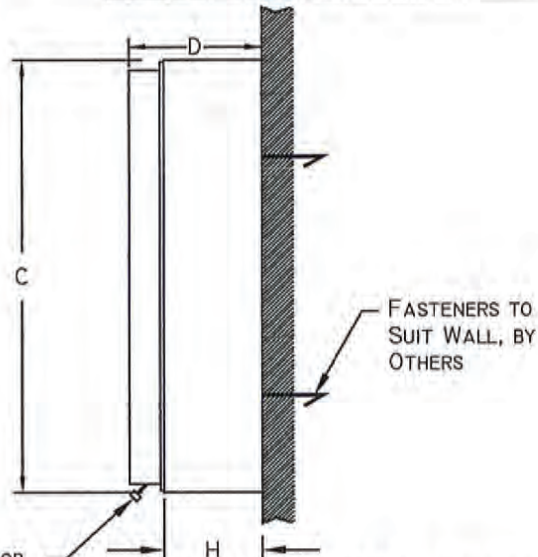
Medfield, MA 02052

p: 508.359.4396 f: 508.359.4482

www.electrictime.com



OUTLINE OF 3600 SERIES CLOCK
FRONT ELEVATION



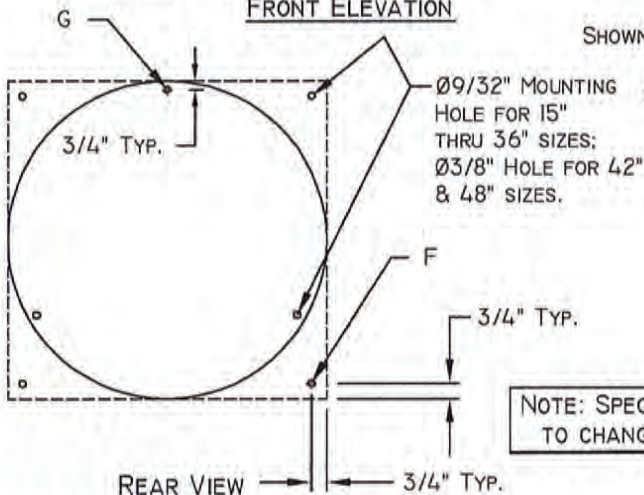
SURFACE MOUNTING

SPECIFICATIONS:

SHOWN W/ FACE "T" & "CS" HANDS (ANY OF OUR STYLES ARE AVAILABLE)

OPTIONS:

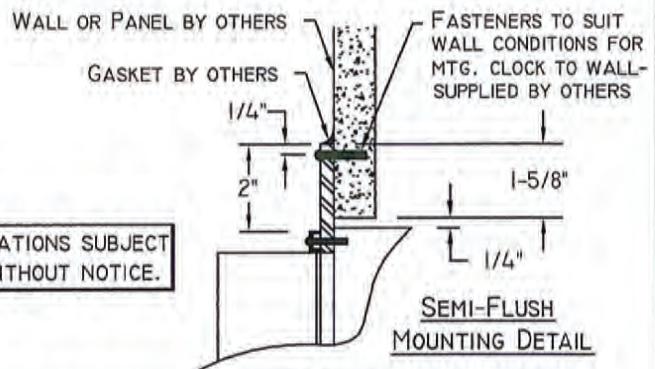
STYLE 99B AUTOMATIC RESET CONTROL (REFER TO MANUAL M274)
 CLOCK CASE CAN BE PROVIDED IN DIFFERENT FINISHES.



REAR VIEW

SHOWING MOUNTING LOCATIONS

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



SEMI-FLUSH MOUNTING DETAIL

3600/6600 SERIES - SURFACE MOUNTING CLOCKS

STYLE	SIZE	A"	B"	C"	D"	F" (3600 SERIES)	G" (6600 SERIES)	H"	NET WEIGHT (LBS.)	
									3600	6600
3615/6615	15	15	17-3/8	17-5/8	9-11/16	4	3	7-1/2	16	13
3624/6624	24	24	26-3/8	26-5/8	9-11/16	4	3	7-1/2	32	25
3630/6630	30	30	32-3/8	32-5/8	8-7/16	4	3	6	47	36
3636/6636	36	36	38-3/8	38-5/8	9-5/16	4	3	6	71	54
3642/6642	42	41	43-7/8	44-1/8	9-5/16	4	4	6	94	87
3648/6648	48	47	49-7/8	50-1/8	9-5/16	4	4	6	130	119

ADDITIONAL CLOCK FACES

DS-469

NOTE: "*" THESE HANDS ARE AVAILABLE FOR ADDITIONAL COST

97 West Street, Medfield, MA 02052

p: 508.359.4396 f: 508.359.4482

www.electrictime.com



Face Q2 / Hands MC



Face RA / Hands SS*



Face RB / Hands WS



Face RC / Hands CS



Face T1 / Hands ES



Face T2 / Hands MS



Face T2A / Hands GS



Face T3 / Hands AS



Face T4 / Hands DS



Face T5 / Hands CS



Face T1 / Hands IS



Face U1 / Hands LS

Data Sheet 467D

Available Finishes

97 West Street, Medfield, MA 02052

p: 508.359.4396 f: 508.359.4482

www.electrictime.com



**Medium Bronze
(#312)**



Off-White



**Dark Bronze
(#313)**



Matte Black



Satin Aluminum



Gold



Forest Green



Bright White



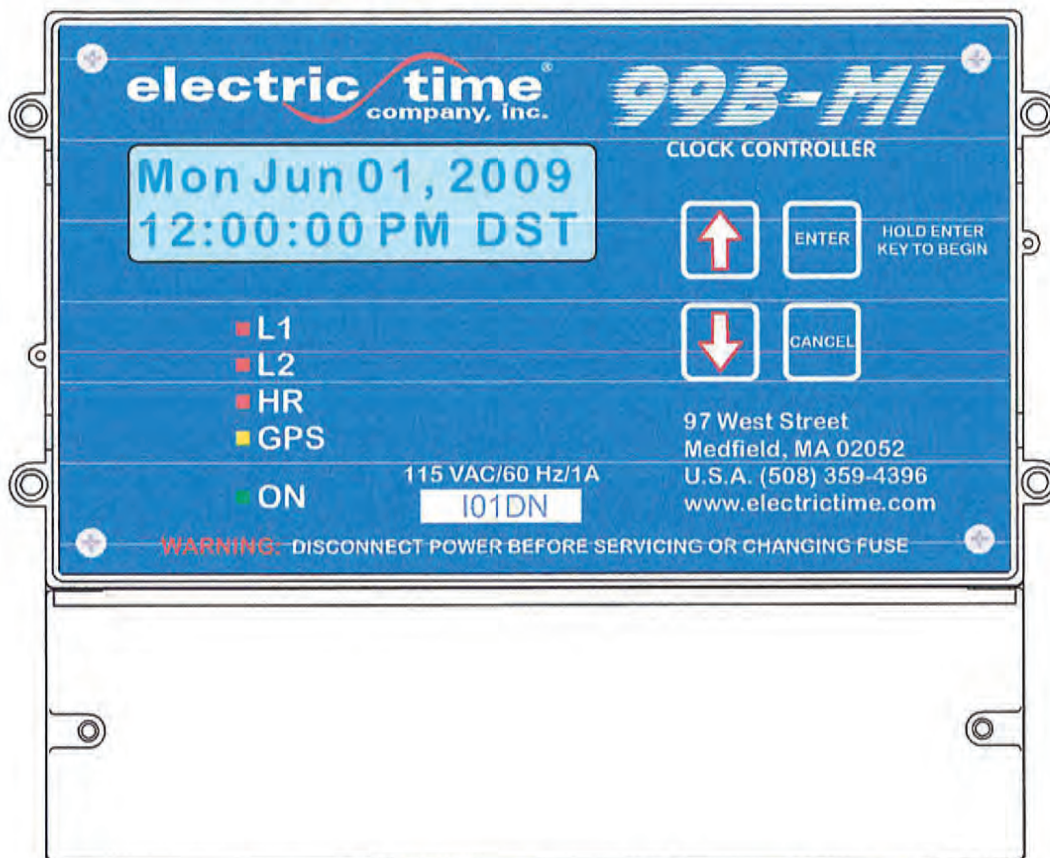
Red



Blue

For additional cost we can offer: Verde Green, Copper Patina, Gold Leaf, and brushed, circle-line or polished finishes over the base material. If you have a special finish not listed here please contact the factory.

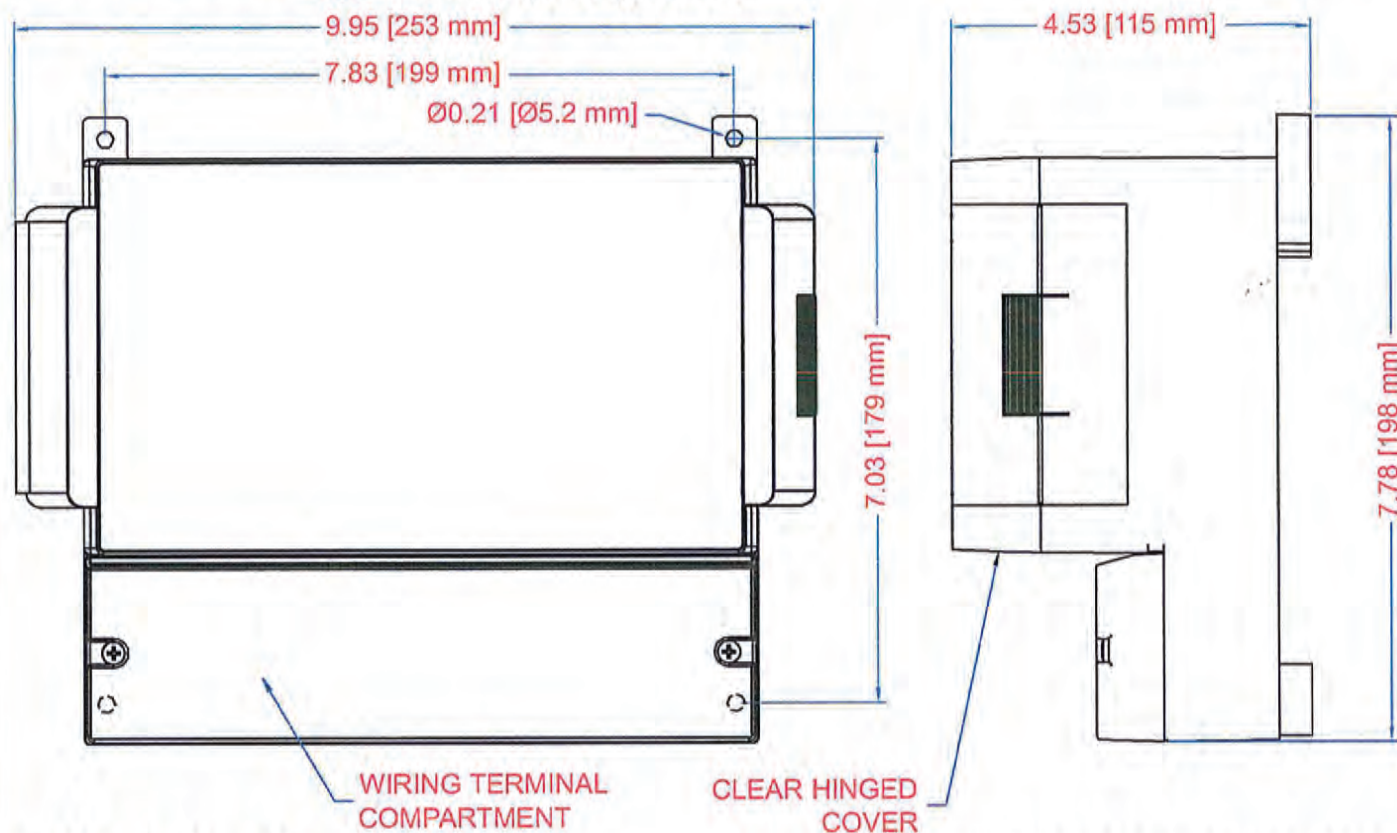
NOTE: Specifications subject to change without notice.



99B-MI Clock Controller

The 99B-MI Clock Controller is a microprocessor based master clock that provides completely automatic control of Electric Time minute impulse clocks.

- Provides "Minute Impulse" (MI) Control (Clock hands index from one minute to the next)
- Automatically resets clocks after power failures (Resets at 6X speed)
- Automatically resets clocks for daylight saving time (if required)
- Precision Quartz Time Base
- Optional GPS interface for ultimate time keeping accuracy
- 10 Year Battery Backup for time base
- For indoor or outdoor use - Protected to IP65
- ETL listed to UL 863

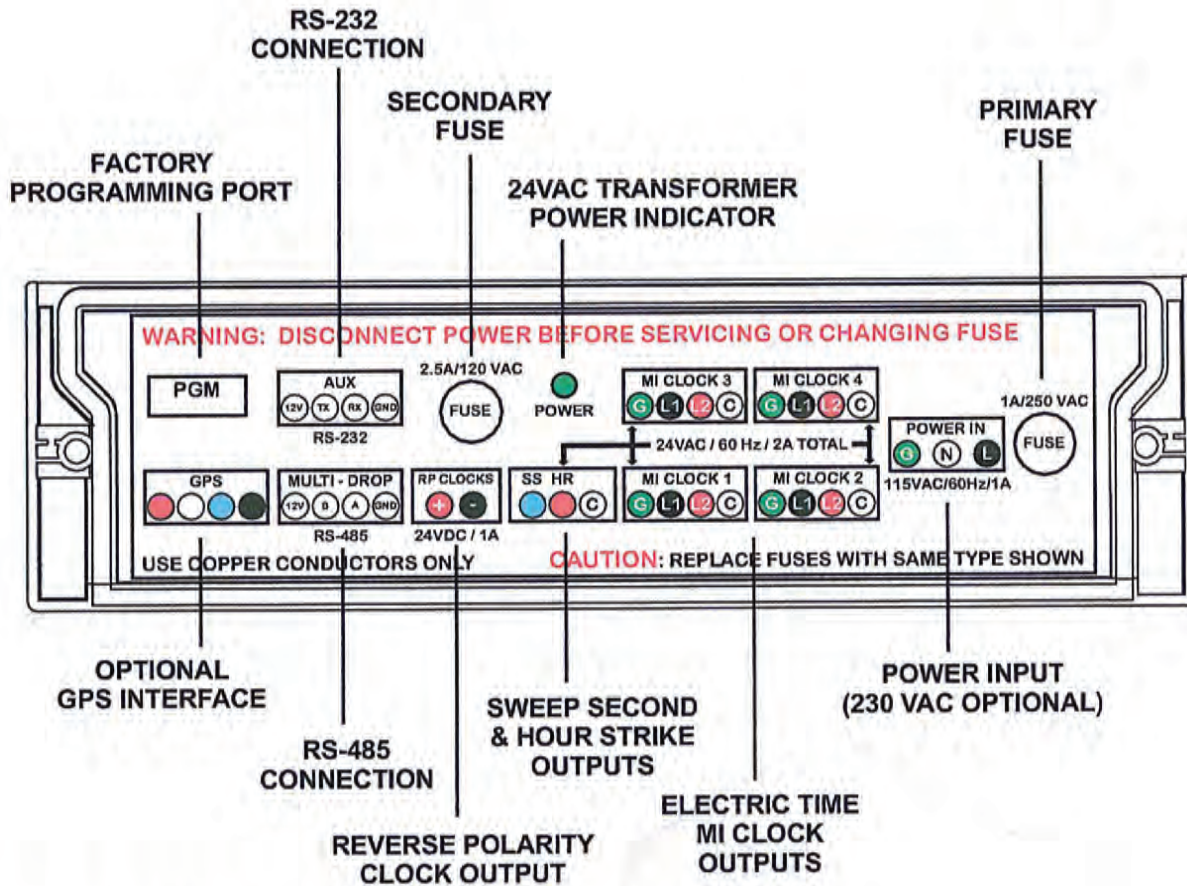


DIMENSIONS IN INCHES [MILLIMETERS]

99B-MI Specifications

Input Power	115VAC/50 or 60Hz/1A or 230VAC/50 or 60Hz/0.5A (Factory Preset)
Clock Outputs	<p>24VAC Minute Impulse</p> <ul style="list-style-type: none"> • Controls up to (4) Minute Impulse (MI) Clocks <p>24VDC Reverse Polarity</p> <ul style="list-style-type: none"> • Controls up to (20) Reverse Polarity (RP) Clocks <p>24VAC Sweep Second line (continuous power)</p> <ul style="list-style-type: none"> • Controls up to (2) MI Clocks with Sweep Second Hands <p>**For multiple clock arrays, contact Electric Time to verify maximum electrical loads on 99B-MI</p>
Event Outputs	24VAC Hour Strike (configurable pulse output)
Communication	RS-232 port, RS-485 port

Terminal Compartment Layout



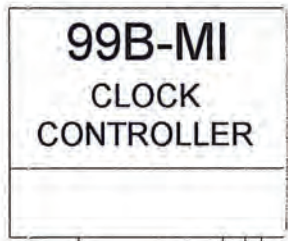
Connection for 1/2" conduit provided for power input & MI Outputs
Cable gland strain relief provided for all other connections

Maximum Minute Impulse control wire run 350 feet

Reference Electric Time Company Manual #274 for complete operation and installation instructions

SYSTEM CLOCKS : "MI" OPERATION

CONTROL WIRING



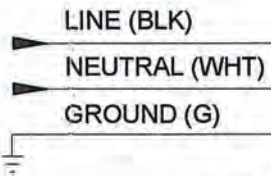
"HOME RUNS" REQUIRED
ALL "MI" CLOCKS



"CMI" BOARD
(1 PER CLOCK)

"CMI" BOARD
(1 PER CLOCK)

115VAC / 60Hz



MI OUTPUTS
(24VAC / 2A MAX)
(1A MAX)

*Shield Connects
ONLY at 99B-MI

*G (SHIELD)
L1 (BLK)
L2 (RED)
C (WHT)

*G (SHIELD)
L1 (BLK)
L2 (RED)
C (WHT)

*G (SHIELD)
L1 (BLK)
L2 (RED)
C (WHT)

TO
ADDITIONAL
CLOCKS

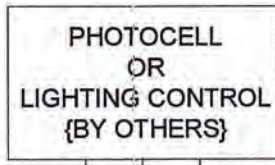
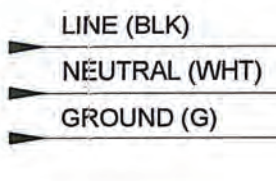
CONTROL SPECIFICATIONS

- 1) CONTROLS UP TO (4) "MI" CLOCKS
- 2) MAX CONTROL WIRE RUN 350'
- 3) "HOME RUNS" REQUIRED FROM EACH CLOCK
- 4) DEDICATED 115VAC BRANCH CIRCUIT MUST BE PROVIDED FOR 99B-MI CONTROLLER
- 5) CONNECTIONS FOR 1/2" CONDUIT PROVIDED

CLASS II (24VAC)
16 AWG WIRE
RECOMMENDED

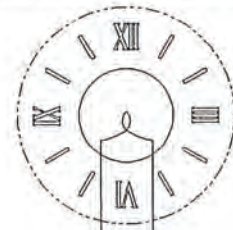
ILLUMINATION WIRING
(IF APPLICABLE)

115VAC / 60Hz



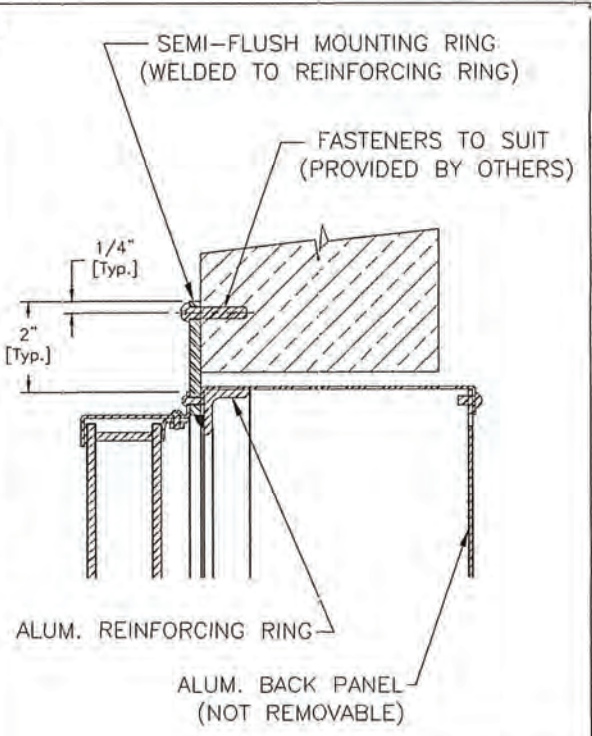
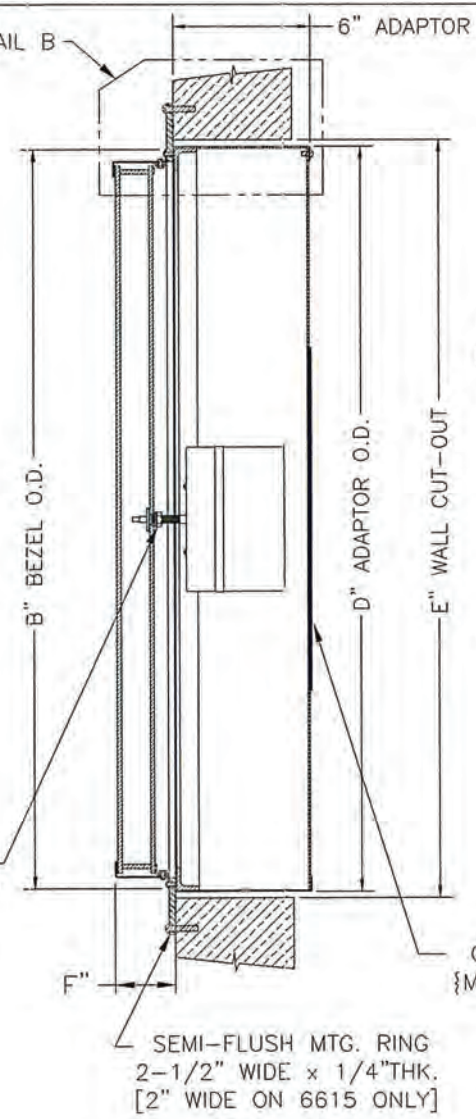
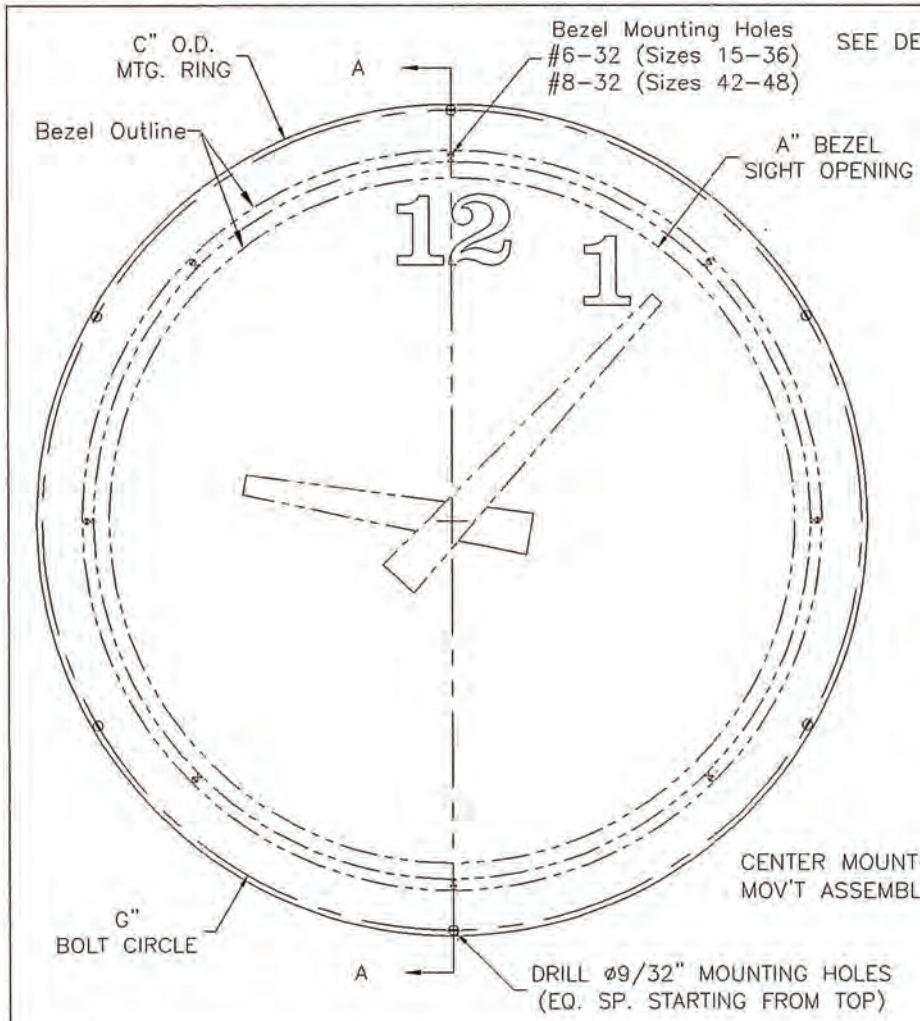
LOCAL
DISCONNECT
{BY OTHERS}

CLOCK ILLUMINATION



VIEW LASER	PATH M:\ACAD10\A-14425.DWG			
	TITLE Clock Installation Wiring Detail Control & Illumination Diagram			
DRAWING A-14425	SCALE	DATE	DRAWN	APP'Y
	NONE	06-24-15	DMC	TDE
REVISIONS				





DETAIL B

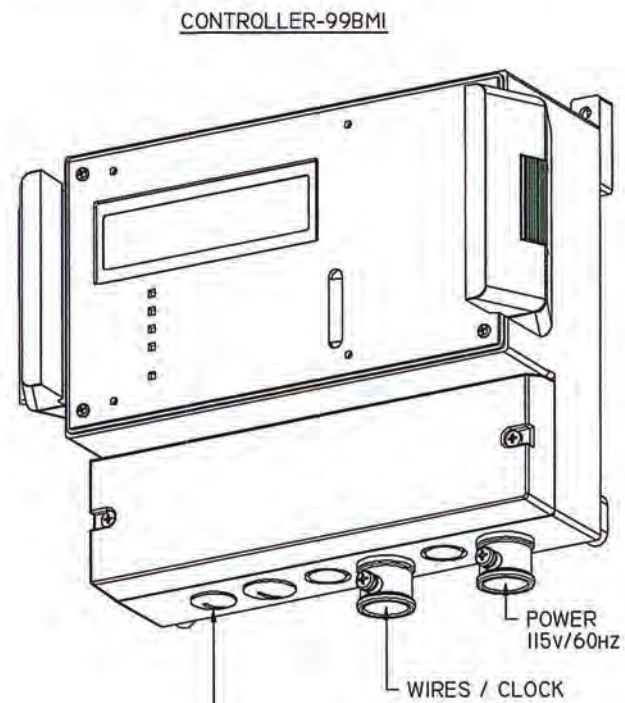
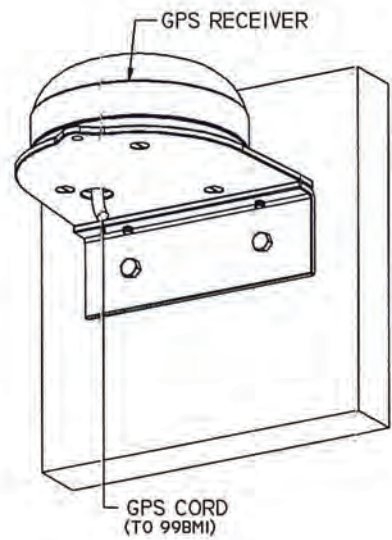
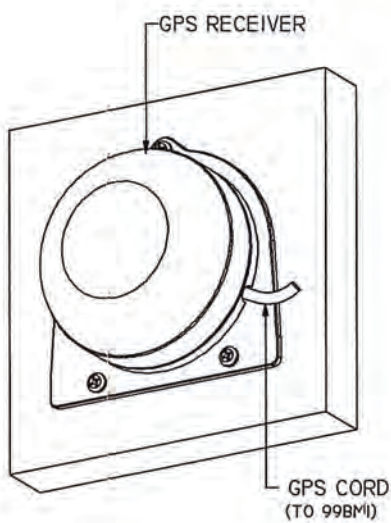
OPTIONAL ACCESS DOOR {MUST SPECIFY ON ORDER}

SECTION A-A

48"	47"	49-7/8"	53-7/8"	50-1/8"	50-5/8"	3-1/2"	53-3/8"	10
42"	41"	43-7/8"	47-7/8"	44-1/8"	44-5/8"	3-1/2"	47-3/8"	10
36"	36"	38-3/8"	42-3/8"	38-5/8"	39-1/8"	3-1/2"	41-7/8"	8
30"	30"	32-3/8"	36-3/8"	32-5/8"	33-1/8"	2-5/8"	35-7/8"	8
24"	24"	26-3/8"	30-3/8"	26-5/8"	27-1/8"	2-3/8"	29-7/8"	6
15"	15"	17-3/8"	20-3/8"	17-5/8"	18-1/8"	2-3/8"	19-7/8"	4
SIZE	A	B	C	D	E	F	G	
								# OF MTG. HOLES
								CONTOUR PRGM (1/4)
								SPOT PRGM

SF301	SF305
SF241	SF245
SF151	SF155

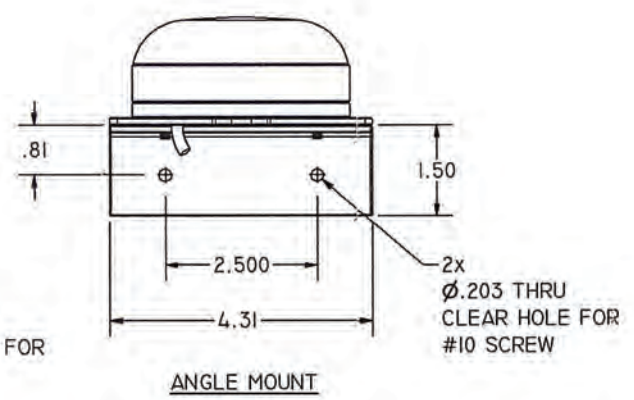
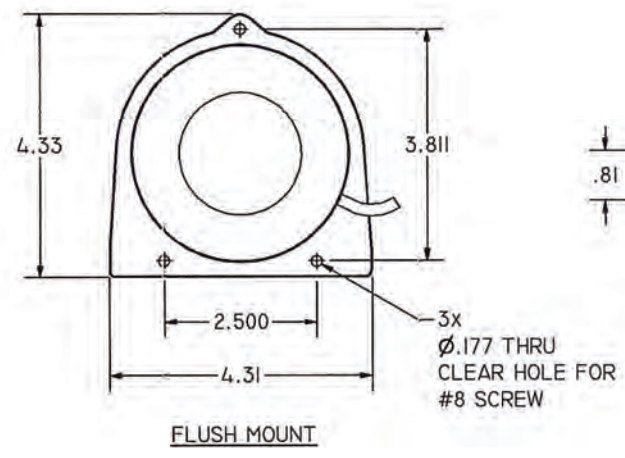
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 TITLE SEMI-FLUSH MOUNTING RING
 6600 CLOCKS (15" - 48")
 SCALE DATE DRAWN APP'Y
 As Noted 06-12-00 JMC DMC
 REVISIONS
 REV. A 3-18-02 JMC
 DRAWING B-4311
electrolite
 company, inc. medfield, ma



CORD / GPS RECEIVER REFER TO SHEET 2 OF 2

NOTE:

GPS RECEIVER MUST BE MOUNTED WHERE IT IS EXPOSED TO ATMOSPHERE AND UNOBSTRUCTED SKIES.



DATE: 1/28/2006	electric time CORPORATION		THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.
DRAWN BY: JCK	TITLE: GPS RECEIVER MOUNTING OPTIONS		
CHECKED BY:	SUBJECT: GPS RECEIVER KIT		
	SIZE: B	REV: B-10668	
		SHEET: 1	TOTAL: 2
PATH: M:\INVENTOR\DRAWINGS\B-10668.idw			

6600 ROUND/3600 SQUARE SURFACE BACKLIGHTED

15"/38CM-48"/122CM BACKLIGHTED
 54"/137CM-96"/244CM BACKLIGHTED
 Part Number: 66XX/36XX

Product Description

Surface Mounted Canister backlighted tower clock design available in sizes from 15" to 96". Features include:

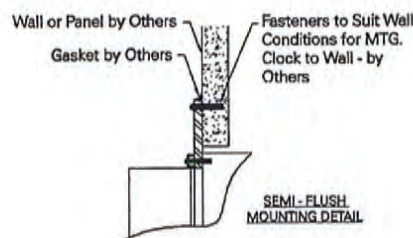
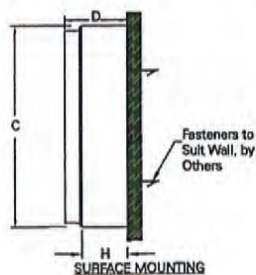
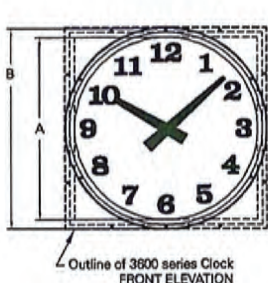
- Completely weathertight canister.
- LED backlighting.
- Also available with color-changing RGB LEDs.
- Semi-flush ring available for recessed mounting.
- For square specify Style 3600.
- Shown with Type "LS" hands and Type "PA" dial markings.
- Available with any of our dial markings and hands, or ones of your own design.
- Larger or custom shapes available on special order.
- UL & CUL Listed.
- Controller required for operation.



STYLE		A"	B"	C"	D"	H"
3600	6600					
3615	6615	15	17 3/8	17 5/8	8 1/4	6
3624	6624	24	26 3/8	26 5/8	8 1/4	6
3630	6630	30	32 3/8	32 5/8	8 5/8	6
3636	6636	36	38 3/8	38 5/8	9 3/8	6
3642	6642	41	43 7/8	44 1/8	9 3/8	6
3648	6648	47	49 7/8	50 1/8	9 3/8	6
3654	6654	55	59	58 5/8	12 1/2	n/a
3660	6660	60	64 1/4	63 5/8	12 1/2	n/a
3672	6672	73 1/4	77 1/4	76 5/8	12 1/2	n/a
3684	6684	85	90	89 1/2	12 3/8	n/a
3696	6696	93 3/4	98 3/4	98 1/4	12 3/8	n/a

Reference

- Data Sheet 455
- Drawing B-4311(sf)
- CSI Specification
- Request Info
- Online Information





RPH-16 & RPH-20 Public Address Horns Assembly Instructions

Contents of hardware package:

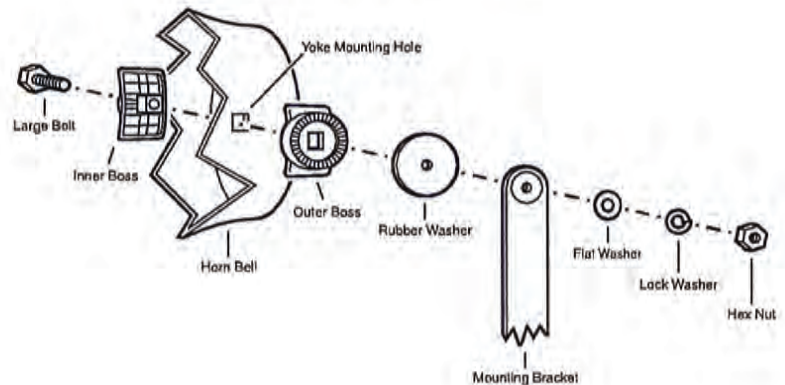
2 large hex bolts
2 large split-ring lockwashers
2 large hex nuts

2 large flat washers
2 black rubber flat washers
2 plastic inner mounting bosses

2 plastic outer mounting bosses
3 small hex screws
3 small flat washers

Step one:

Insert one large hex bolt through one inner mounting boss, and position on one of the two yoke mounting holes on the inside of the horn bell. The inner mounting boss has a hex-shaped indentation for the bolt head to rest in. Be sure to place the boss so that the arrow is pointing toward the mouth or large opening of the horn. You may find it helpful to put a piece of tape over the bolt head and boss to hold them in position while repeating the procedure on the other side.

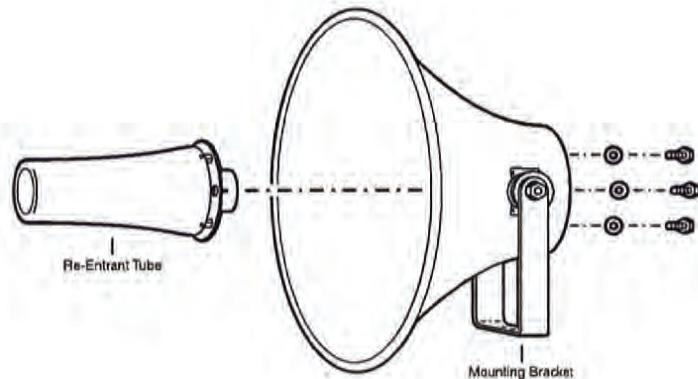


Step two:

With both inner bosses and hex bolts in place, position one outside mounting boss on a protruding hex bolt, again taking care to align the boss with the arrows pointing to the front of the horn. Hold the inner boss and bolt with one hand, and place one rubber washer over the boss.

Step three:

While still holding the hardware from the inside, slip one end of the U-shaped mounting bracket over the bolt, capturing the rubber washer. Place one flat washer, one split ring lockwasher, and one hex nut over the bolt and thread loosely to hold in place.

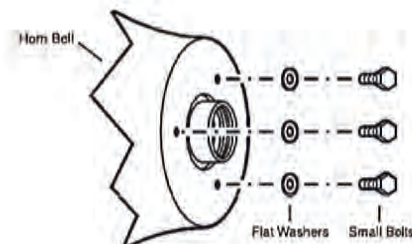


Step four:

Gently spread the mounting bracket to attach to the opposite mounting boss, ensuring that the bolt passes through, and that a second rubber washer is captured between the bracket and the mounting boss. Place a flat washer, a lockwasher, and a hex nut on the bolt and fasten finger-tight.

Step five:

Align the three threaded mounting holes on the re-entrant tube with the holes on the back or small end of the main horn assembly. Start a small bolt and washer into each hole, and then tighten with a wrench.



Step six:

Mount the compression driver of your choice. Tighten the two large bolts on the mounting bracket, taking care to not overtighten them.

The Dayton Audio D1075T PA driver provides efficient, articulate sound and is designed to excel in the harshest environment. The phenolic-impregnated cloth diaphragm will resist years of continuous stress, and multiple-attenuation taps on the enclosed transformer permit easy adjustment of maximum output.

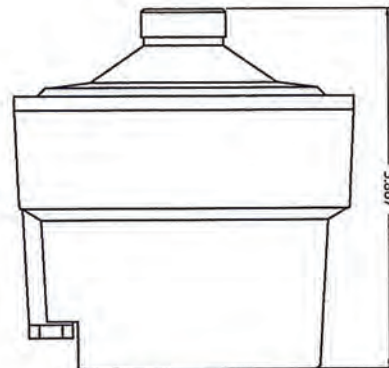
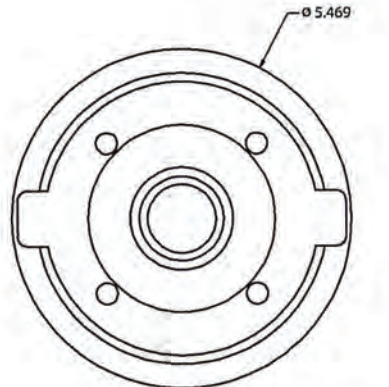
Features

- High power handling
- Durable phenolic diaphragm
- Weather-tight housing
- High output, low distortion
- Integrated 70V transformer with selectable taps
- 1-3/8"-18 threaded horn coupling
- Five-year warranty

Parameters

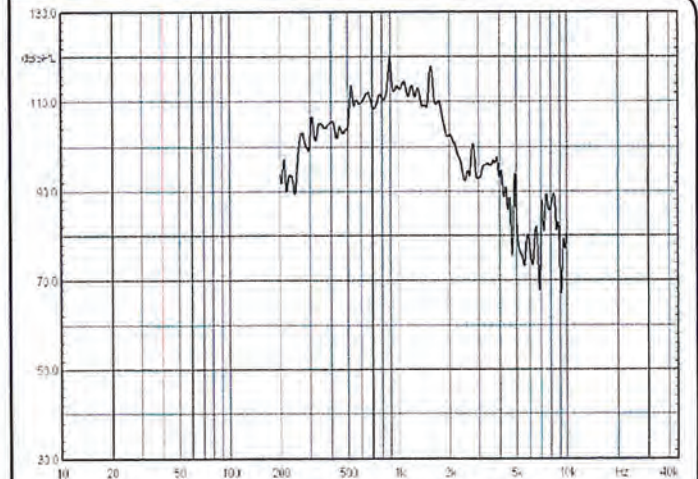
Nominal Input (V)	70.7
RMS Power Handling (W)	75
Frequency Response* (Hz)	180 - 6,000
Horn Coupling	1-3/8" - 18 x 1/2"
Impedance (Ω)	16
SPL (dB@1W/1m)	110
Weatherproof	Yes
Explosion Proof	No
Voice Coil Material	Kapton / Copper
Voice Coil Diameter (Inches)	2
Weight (kg)	2.5
Transformer Taps (W)	25, 30, 50, 75, 16 Ω

Warning: This product not suitable for locations requiring explosion-proof electrical hardware.



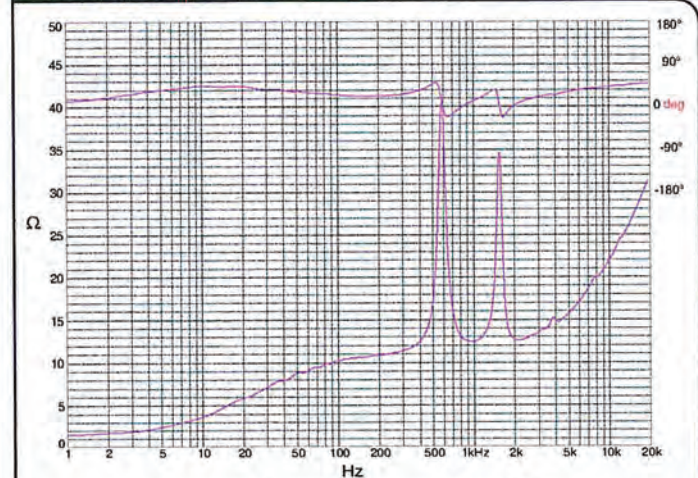
Note: All dimensions in inches.

Frequency Response



Frequency Response measured on RPH20 Horn @ 16-ohm tap, 5.6Vrms (1W)

Impedance/Phase



Impedance Response measured without horn