

Scoreboard Specifications

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 815 lbs
Incoming Mains Power: (2x) 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

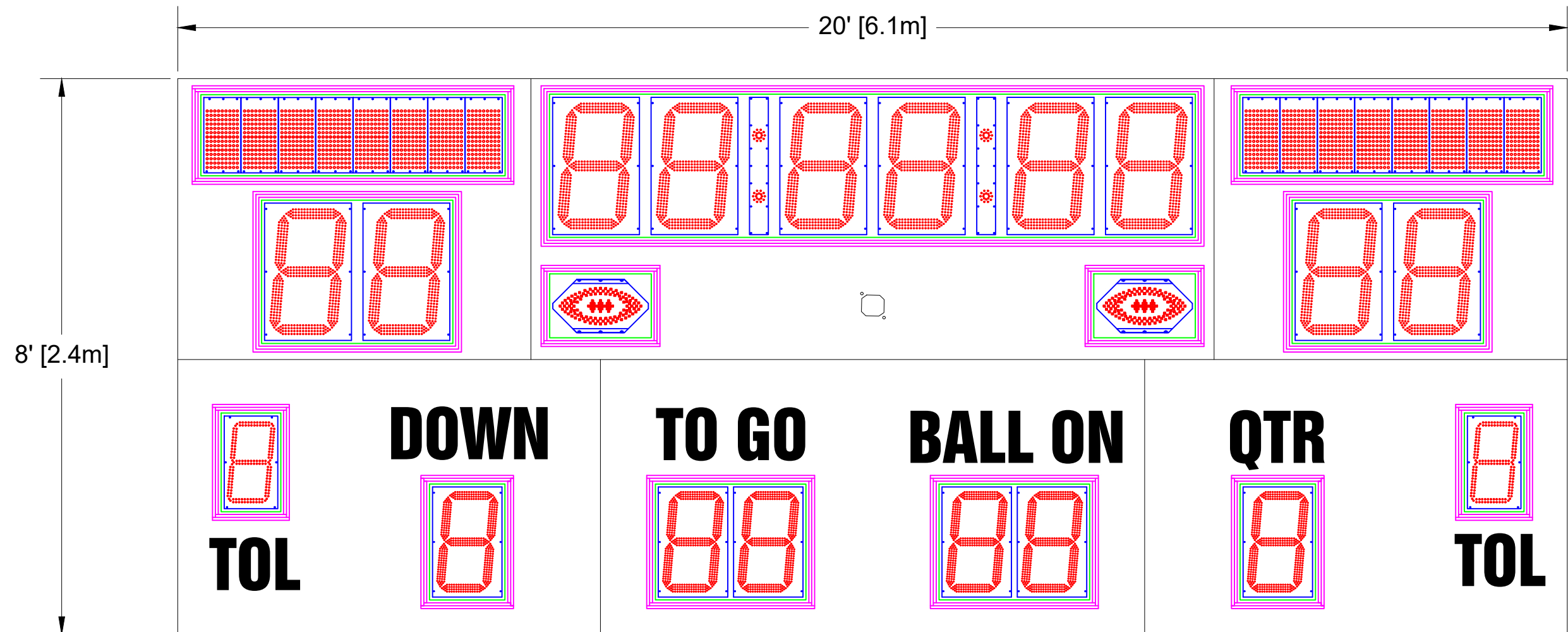
10" Electronic Team Names of 8 characters

9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR

All LED digits include the following:

- * Shatter Resistant Lexan cover
- * Conformal coating to protect from environmental conditions
- * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025
NOTICE TO PERSON RECEIVING THIS DRAWING AND TECHNICAL INFORMATION:			
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TOLERANCE INFORMATION Dimensions are in Inches			
Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 30°			
THIRD ANGLE PROJECTIONS			
DESCRIPTION			
OES ELECTRONIC SCOREBOARDS M8020AOCE-HF			
SIZE	FILENAME	INIT DRAWING DATE	REV
A	M8020AOCE-HF	2/5/25	A
USAGE		USE FOR REVIEW	
SCALE	NTS	DRAWN BY	PAGE 1 OF 1



Scoreboard Specifications
Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 809 lbs
Incoming Mains Power: (2x) 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

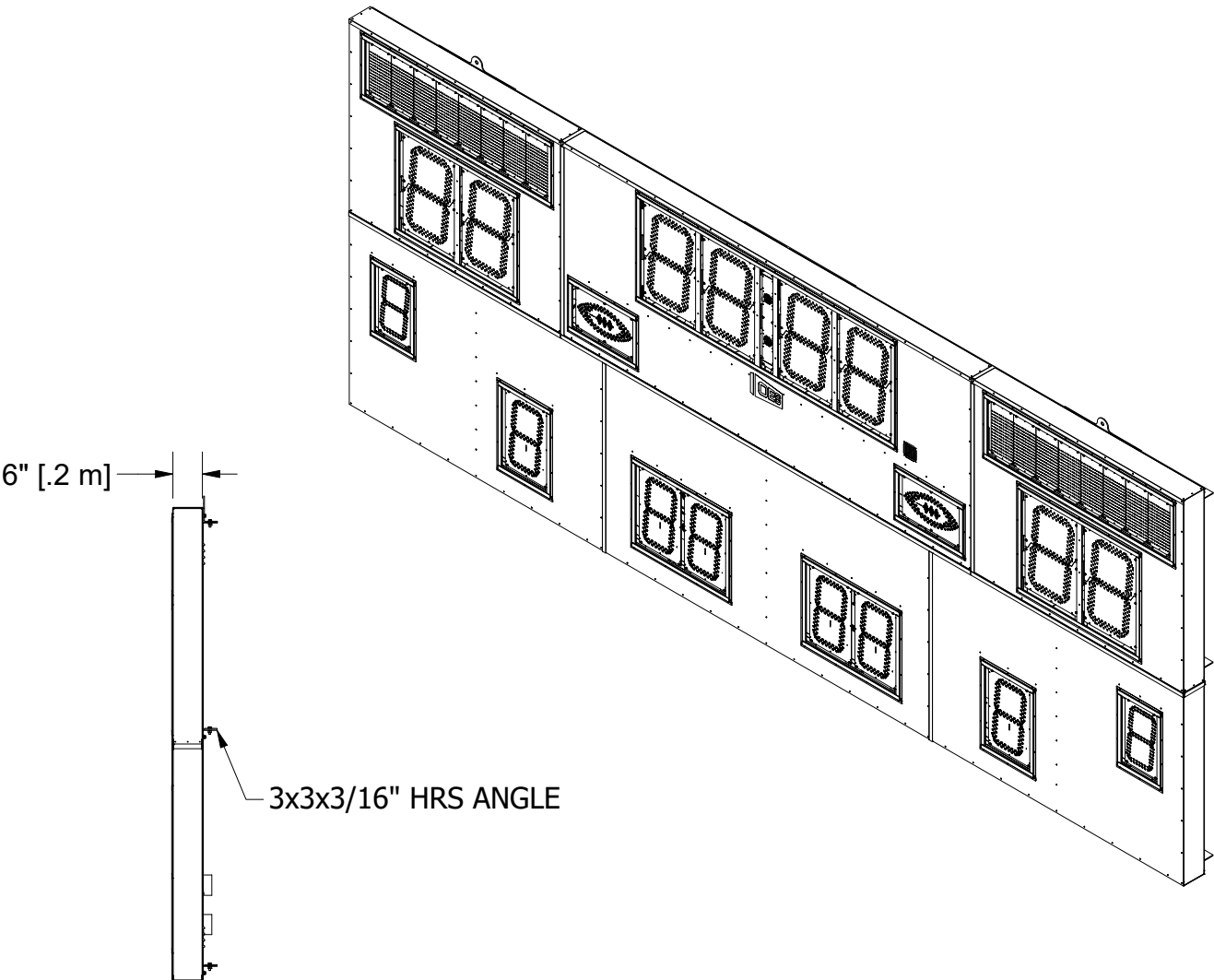
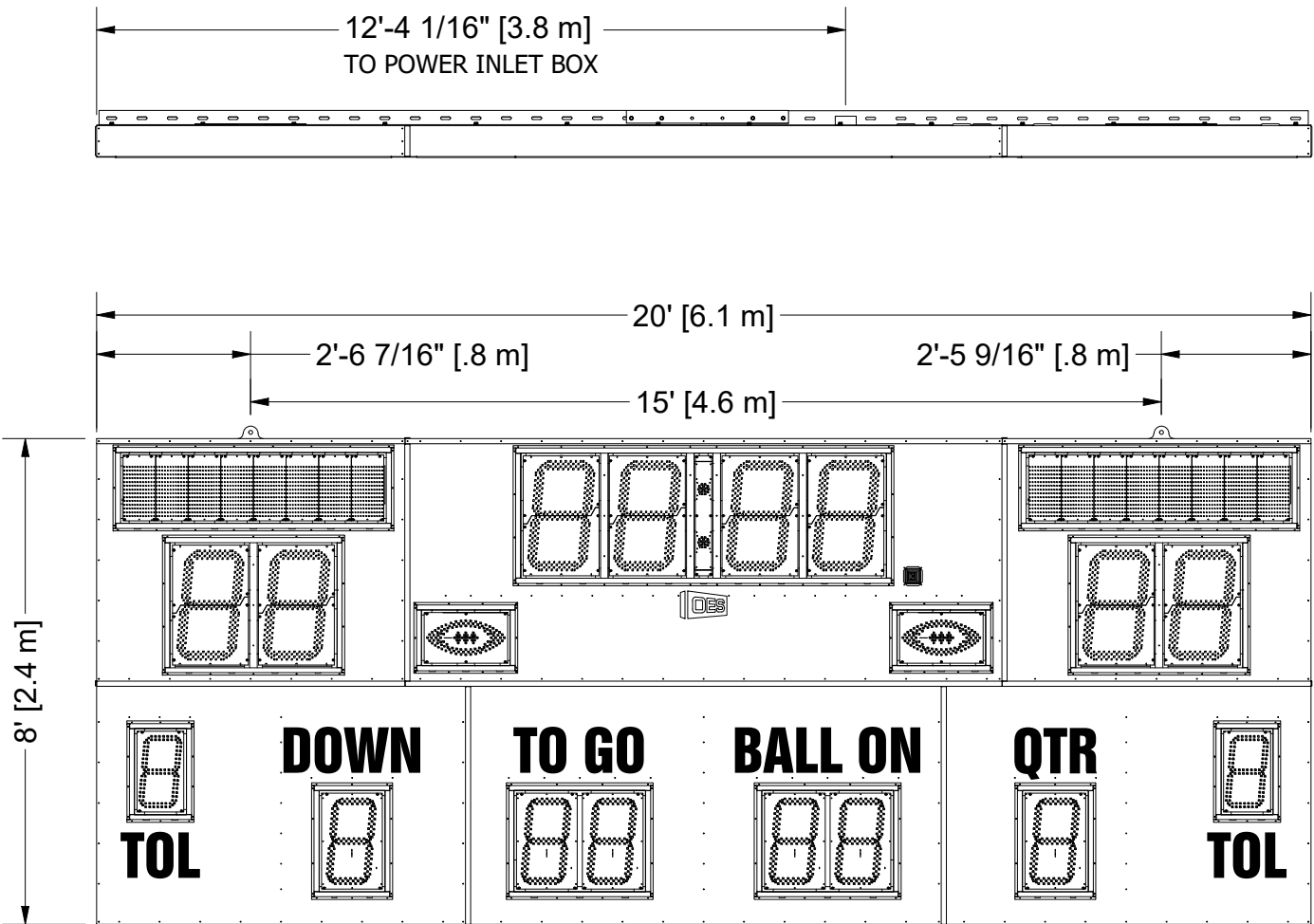
10" Electronic Team Names of 8 characters

9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR

- All LED digits include the following:
- * Shatter Resistant Lexan cover
 - * Conformal coating to protect from environmental conditions
 - * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025

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THIRD ANGLE PROJECTIONS		DESCRIPTION OES ELECTRONIC SCOREBOARDS M8020AOCE-H	
SIZE A	FILENAME M8020AOCE-H	INIT DRAWING DATE 2/5/25	REV A
USAGE USE FOR REVIEW		SCALE NTS	
DRAWN BY WYANMOORSE		PAGE 1 OF 1	



SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 781 lbs

22" LED Digits for **TIME, SCORE**
17" LED Digits for **DOWN, TO GO, BALL ON, QTR**
14" LED Digits for **TOL**
LED Football Indicators

10" Electronic Team Names at **8 CH**
9" White Vinyl Lettering for **TOL, DOWN, TO GO, BALL ON, QTR**

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz.
Requires an earth ground connection.

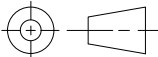
- MAX Current: **15.3** Amps

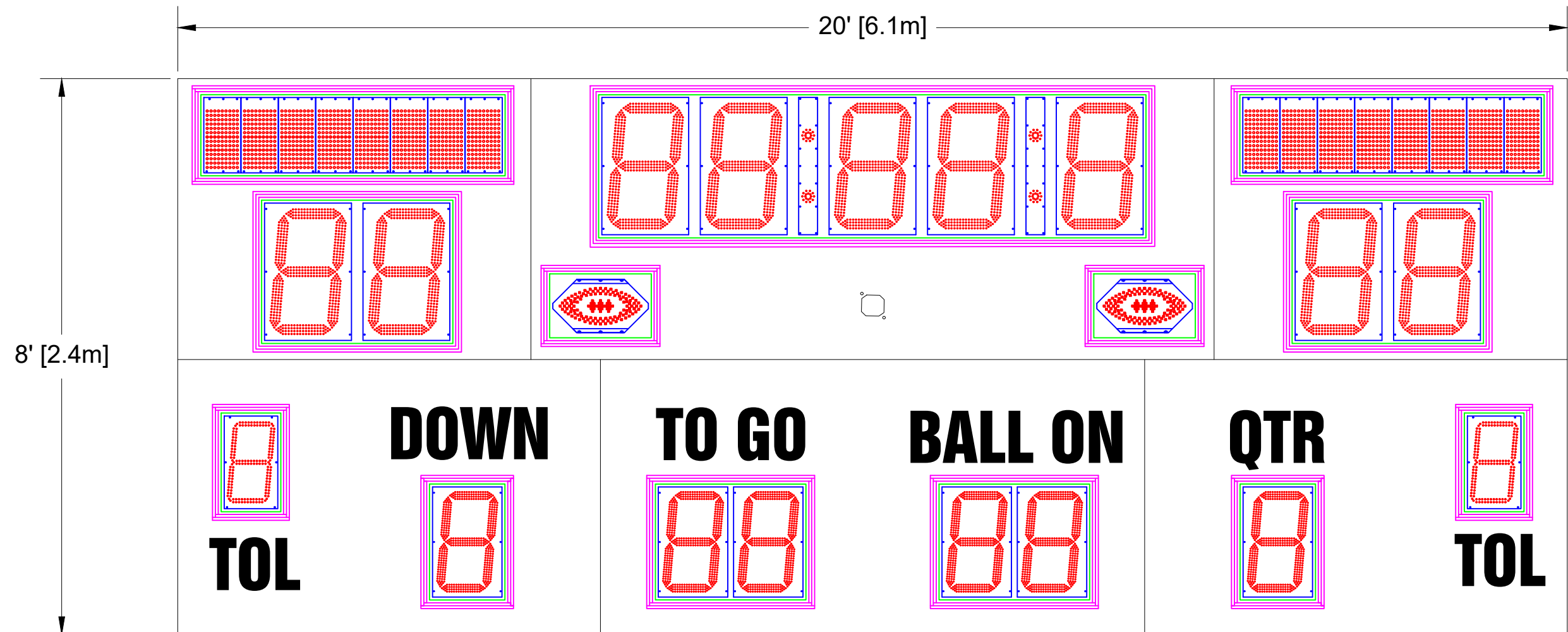
- AC Current Rating of Fuse or Circuit Breaker within SB: **20** Amps

Incoming AC Mains (Power Cord) and Data Location:
Behind the **BALL ON** digits

Overcurrent Branch Circuit Protection supplying the scoreboard
to be determined by customer in accordance
with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	2023-06-08	ELeClair
B	UPDATED WEIGHT	2024-12-16	WVM

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		DESCRIPTION <div>OES ELECTRONIC SCOREBOARDS M8020AOCE</div>			
<div>THIRD ANGLE PROJECTION</div> <div></div>		SIZE	FILENAME	INIT DRAWING DATE	REV
		B	8020AOCE-INFO.idw	2023-06-08	B
		USAGE <div>USE FOR REVIEW</div>			
		SCALE	NTS	DRAWN BY	ELeClair
		PAGE 1 OF 1			



Scoreboard Specifications
Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 804 lbs
Incoming Mains Power: (2x) 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

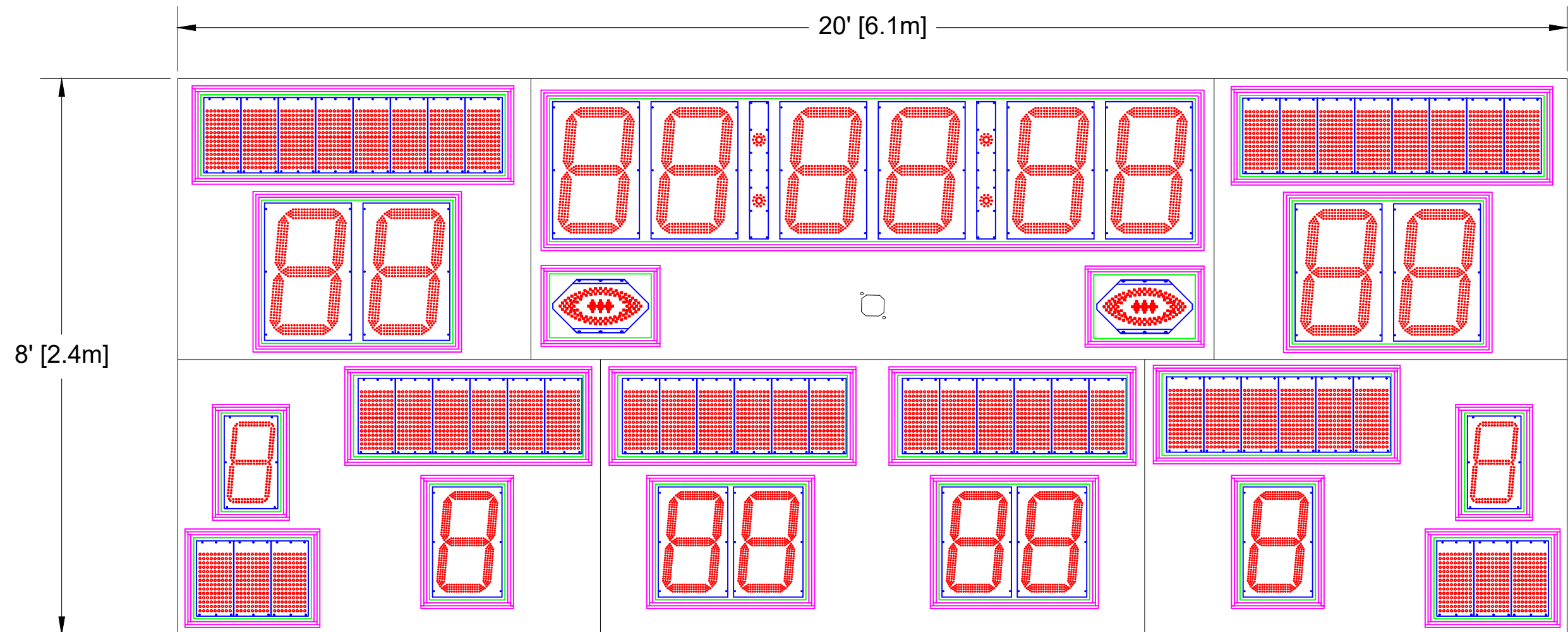
10" Electronic Team Names of 8 characters

9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR

- All LED digits include the following:
- * Shatter Resistant Lexan cover
 - * Conformal coating to protect from environmental conditions
 - * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025

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TOLERANCE INFORMATION Dimensions are in Inches Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 30°		DESCRIPTION OES ELECTRONIC SCOREBOARDS M8020AOCE-T	
SIZE A	FILENAME M8020AOCE-T	INIT DRAWING DATE 2/5/25	REV A
USAGE USE FOR REVIEW		SCALE NTS	
DRAWN BY WYANMOORSE		PAGE 1 OF 1	



Scoreboard Specifications


Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 891 lbs
Incoming Mains Power: (3x) 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

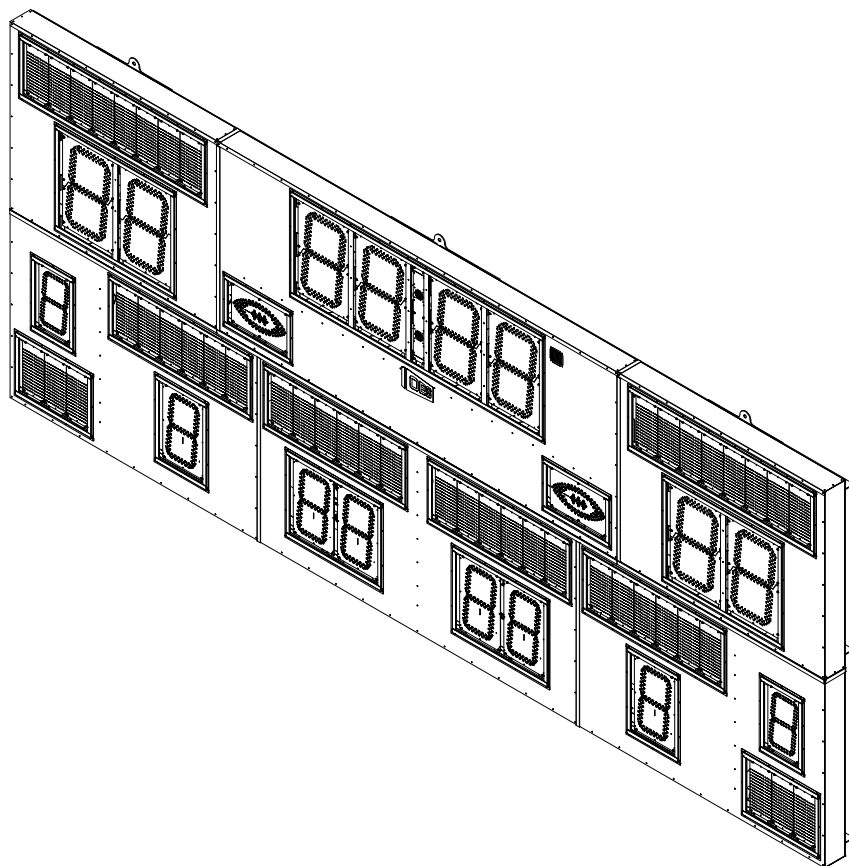
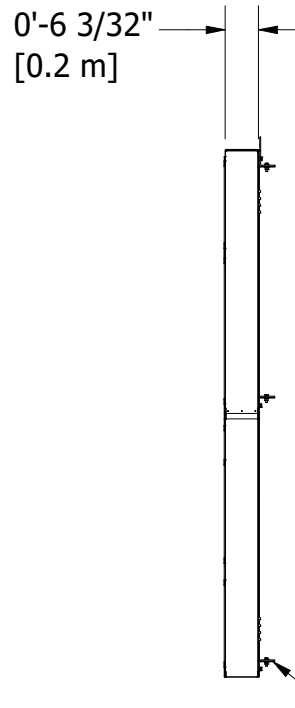
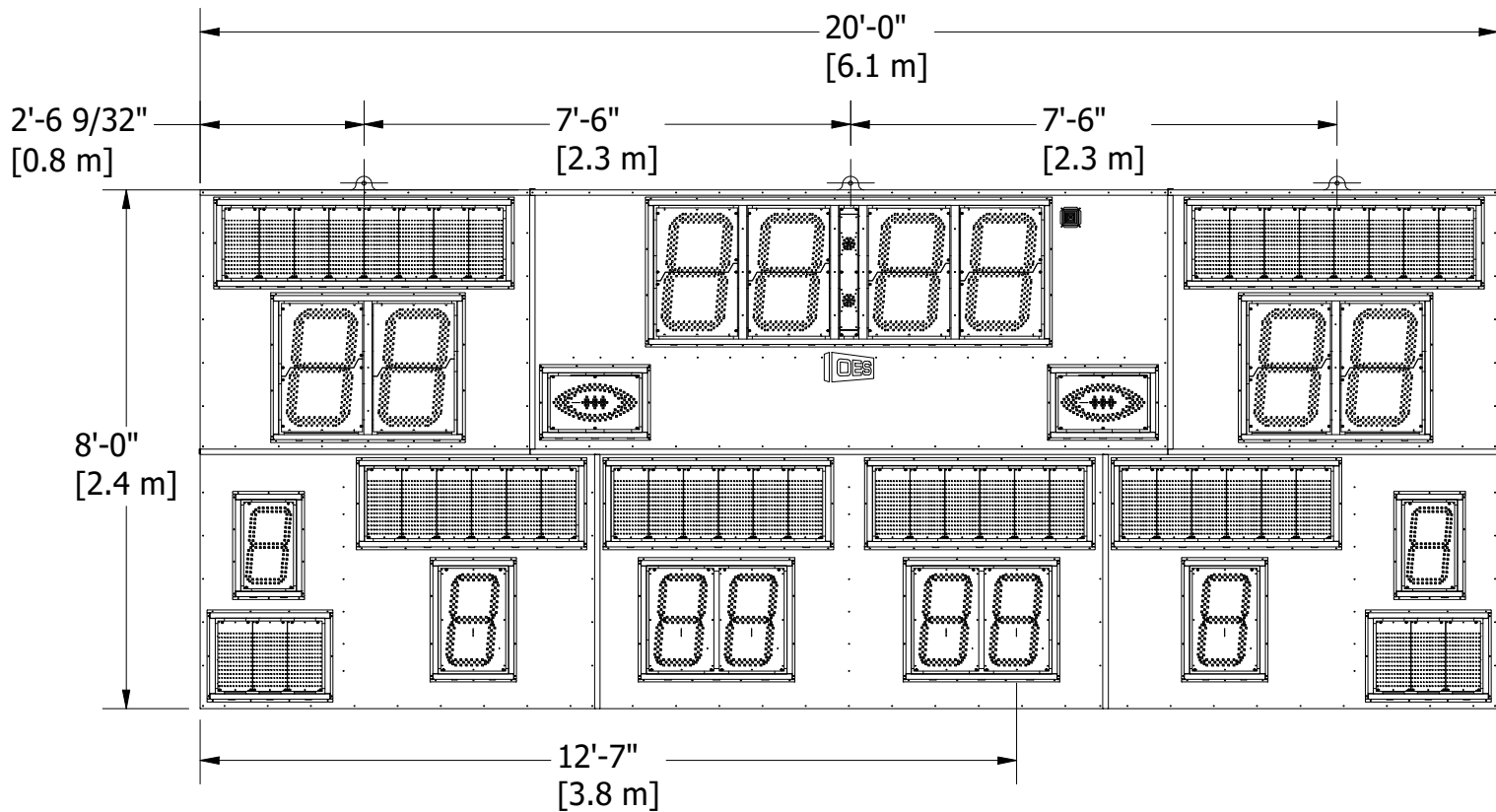
22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

10" Electronic Team Names of 8 characters
10" Electronic Captions of 6 characters
10" Electronic Captions of 3 characters

- All LED digits include the following:
- * Shatter Resistant Lexan cover
 - * Conformal coating to protect from environmental conditions
 - * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025

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SIZE	FILENAME M8020AOCH-H	INIT DRAWING DATE 2/5/25	REV												
A	USAGE		A												
SCALE	NTS	DRAWN BY WYANMOORSE	PAGE 1 OF 1												



SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 837 lbs

22" LED Digits for **(TIME, SCORE)**
17" LED Digits for **(DOWN, TO GO, BALL ON, QTR)**
14" LED Digits for **(TOL)**
LED Football Indicators

10" Electronic Team Names of 8 characters
10" Electronic Captions of **6** characters
10" Electronic Captions of 3 characters

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz.
Requires an earth ground connection.

- MAX Current: **2 X 11.8** Amps

- AC Current Rating of Fuse or Circuit Breaker within SB: **2 X 15** Amps

Incoming AC Mains (Power Cord) and Data Location:
Behind the BALL ON of the Scoreboard.

Overcurrent Branch Circuit Protection supplying the scoreboard
to be determined by customer in accordance
with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	3/10/2023	M.LI
B	UPDATED WEIGHT	2024-12-16	WVM

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TOLERANCE INFORMATION
Dimensions are in inches
Fractional ± 1/16"
Two Place Decimals ± 0.02"
Three Place Decimals ± 0.005"
Four Place Decimals ± 0.0005"
Angular ± 2°

THIRD ANGLE PROJECTION

4056 Blakie Road,
London, ON, N6L 1P7
Tel: (519) 652-5833
Fax: (519) 652-3795
Email: oes@oes-inc.com

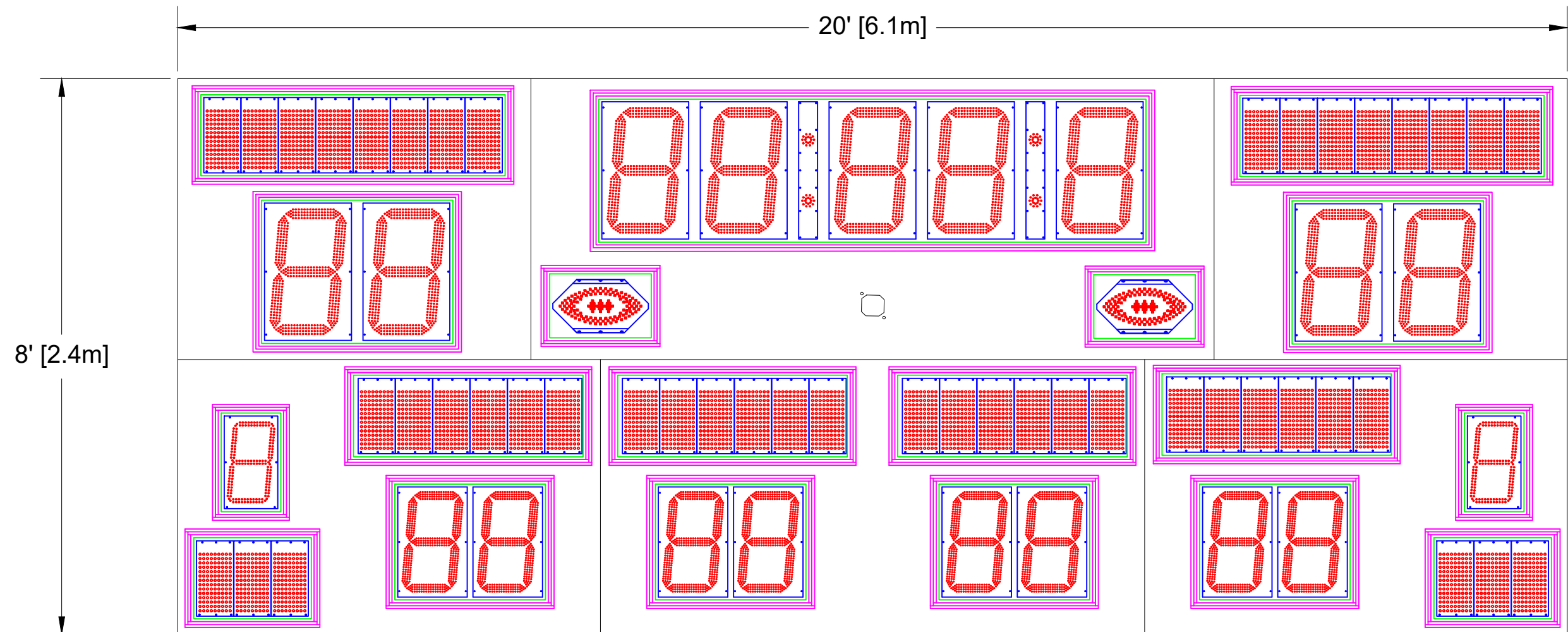
DESCRIPTION

OES ELECTRONIC SCOREBOARDS
8020AOCH

SIZE	FILENAME	INIT DRAWING DATE	REV
B	8020AOCH-INFO.idw	2023-04-14	B

USE FOR REVIEW

SCALE	NTS	DRAWN BY	M.LI	PAGE	1 OF 1
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Scoreboard Specifications

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 854 lbs
Incoming Mains Power: (3x) 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

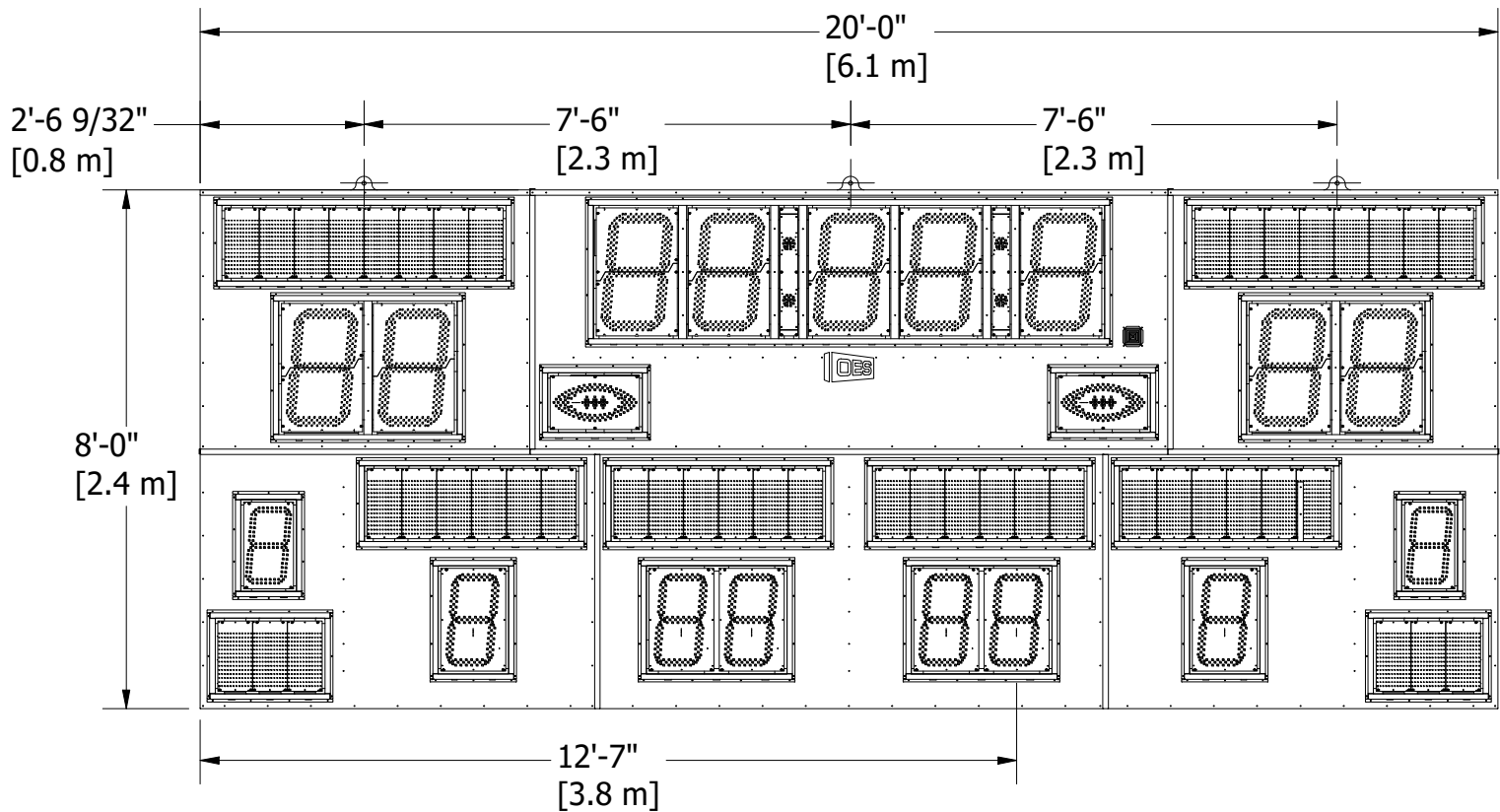
22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

10" Electronic Team Names of 8 characters
10" Electronic Captions of 6 characters
10" Electronic Captions of 3 characters

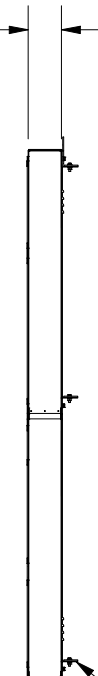
- All LED digits include the following:
- * Shatter Resistant Lexan cover
 - * Conformal coating to protect from environmental conditions
 - * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025

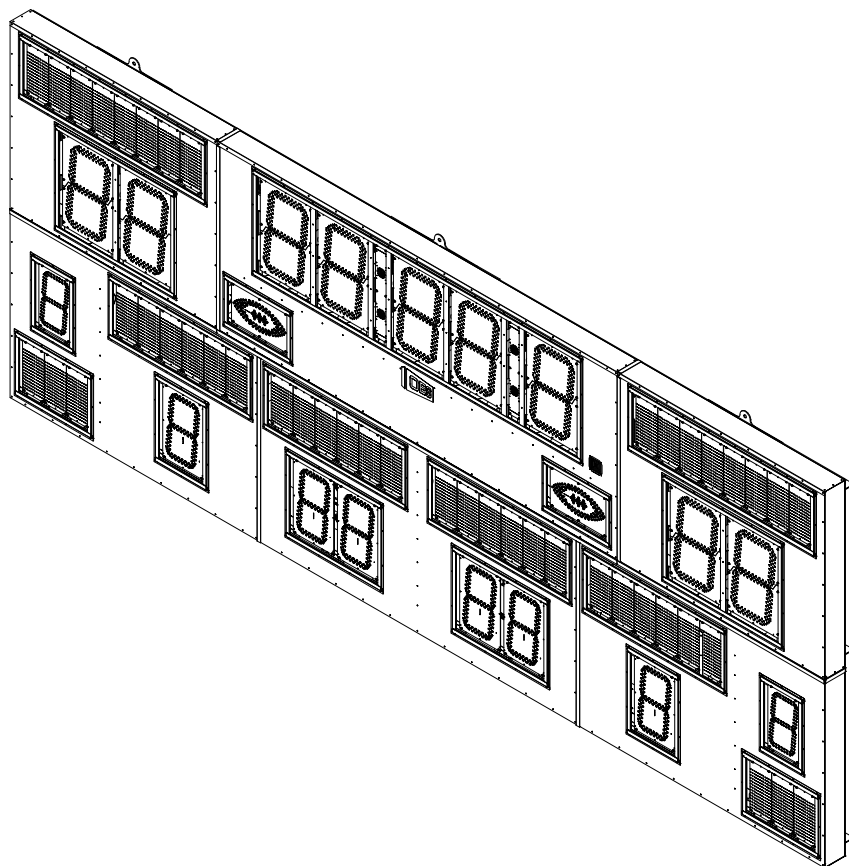
NOTICE TO PERSON RECEIVING THIS DRAWING AND TECHNICAL INFORMATION: OES INC. CLAIMS PROPERTY RIGHTS TO THE MATERIAL DISCLOSED HEREIN. THIS DRAWING INCLUDES UNPUBLISHED PROPRIETARY MATERIAL DEVELOPED BY OES, INC. AND AS SUCH IS NOT TO BE COPIED, REPRODUCED OR USED IN ANY WAY WITHOUT PRIOR WRITTEN AUTHORIZATION FROM OES, INC.		THIRD ANGLE PROJECTIONS	
TOLERANCE INFORMATION Dimensions are in Inches Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 30°		DESCRIPTION OES ELECTRONIC SCOREBOARDS M8020AOCH-TF	
SIZE A	FILENAME M8020AOCH-TF	INIT DRAWING DATE 2/5/25	REV A
SCALE NTS		DRAWN BY WYANMOORSEL	
		PAGE 1 OF 1	



0'-6 3/32"
[0.2 m]



3 X 3 X 3/16 HRS ANGLE



SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 845 lbs

22" LED Digits for **(TIME, SCORE)**
17" LED Digits for **(DOWN, TO GO, BALL ON, QTR)**
14" LED Digits for **(TOL)**
LED Football Indicators

10" Electronic Team Names of 8 characters
10" Electronic Captions of **6** characters
10" Electronic Captions of 3 characters

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz.
Requires an earth ground connection.

- MAX Current: **2 X 11.8 Amps**

- AC Current Rating of Fuse or Circuit Breaker within SB: **2 X 15 Amps**

Incoming AC Mains (Power Cord) and Data Location:
Behind the BALL ON of the Scoreboard.

Overcurrent Branch Circuit Protection supplying the scoreboard
to be determined by customer in accordance
with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	3/10/2023	M.LI
B	UPDATE MAX CURRENT DRAW	4/17/2023	M.LI
C	UPDATED WEIGHT	2024-12-17	WVM

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TOLERANCE INFORMATION
Dimensions are in inches
Fractional ± 1/16"
Two Place Decimals ± 0.02"
Three Place Decimals ± 0.005"
Four Place Decimals ± 0.0005"
Angular ± 2°

THIRD ANGLE PROJECTION

4056 Blakie Road,
London, ON, N6L 1P7
Tel: (519) 652-5833
Fax: (519) 652-3795
Email: oes@oes-inc.com

DESCRIPTION

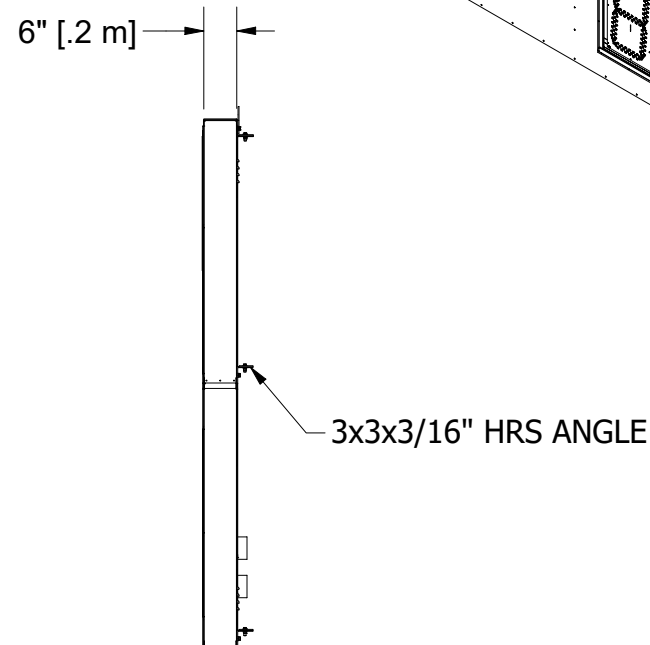
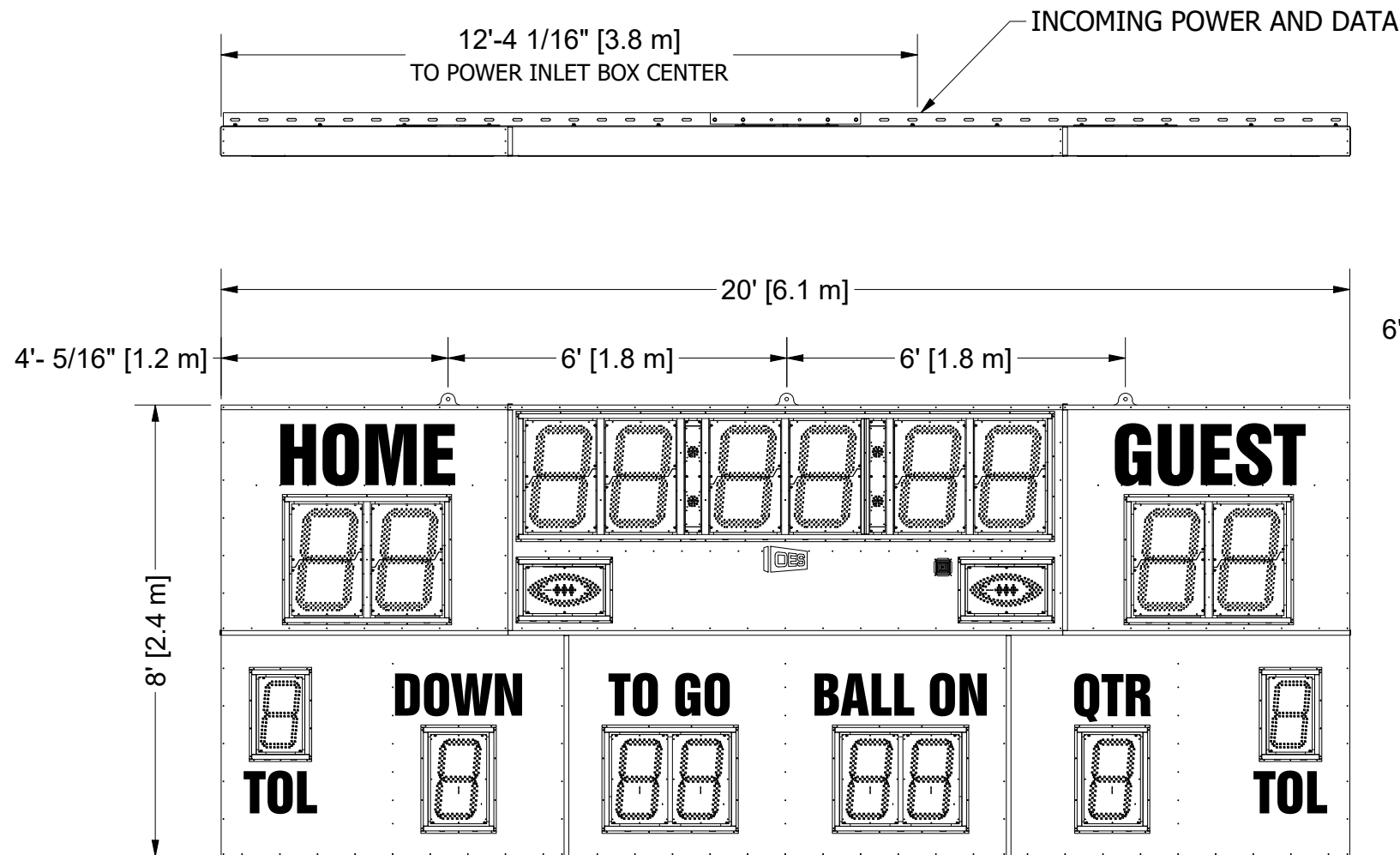
OES ELECTRONIC SCOREBOARDS
8020AOCH-T

SIZE	FILENAME	INIT DRAWING DATE	REV
B	8020AOCH-T-INFO.idw	2023-03-10	C

USAGE

USE FOR REVIEW

SCALE	NTS	DRAWN BY	M.LI	PAGE	1 OF 1
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SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 784 lbs

22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL
LED Football Indicators

9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR
13" White Vinyl Lettering For HOME, GUEST

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz.
Requires an earth ground connection.

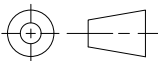
- MAX Current: **12.6** Amps

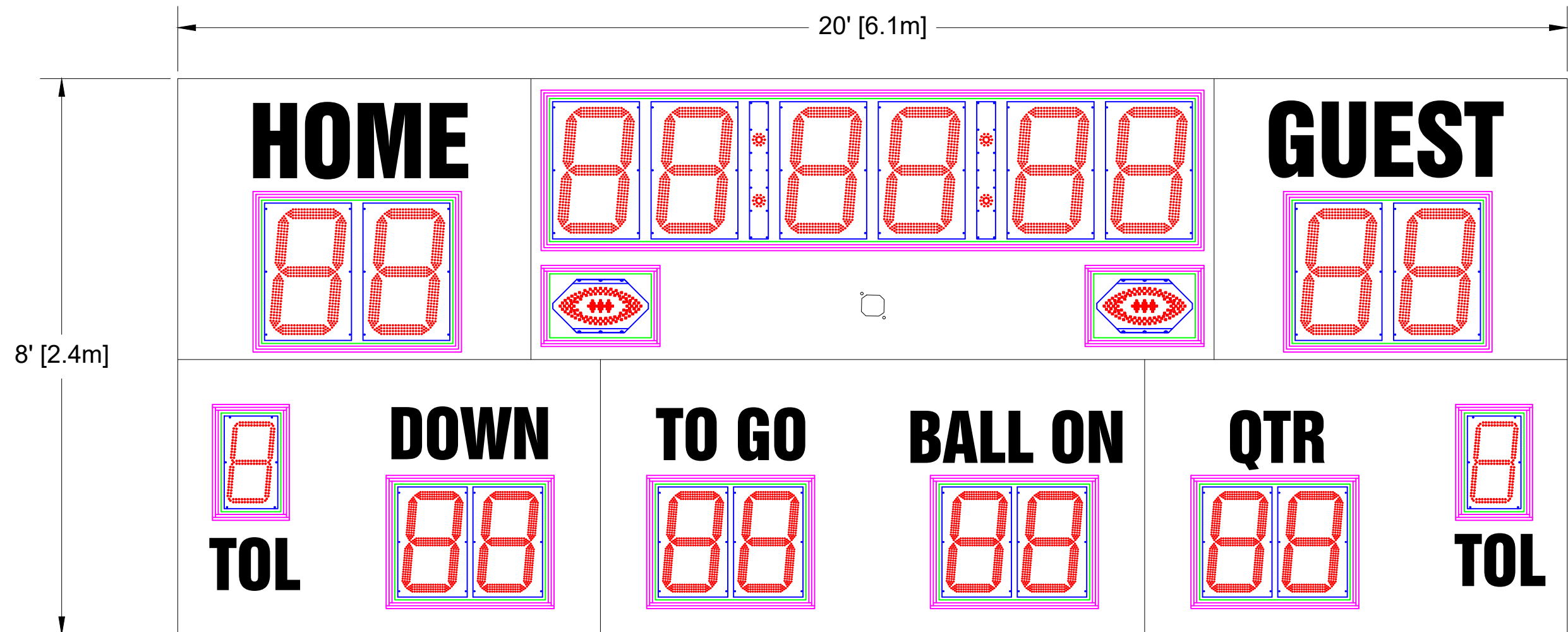
- AC Current Rating of Fuse or Circuit Breaker within SB: **20** Amps

Incoming AC Mains (Power Cord) and Data Location:
Behind the **BALL ON** Digits.

Overcurrent Branch Circuit Protection supplying the scoreboard
to be determined by customer in accordance
with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	2023-09-28	LDeMello
B	UPDATED WEIGHT	2024-12-17	WVM

		<div><div><div>OES</div><div>SCOREBOARDS</div></div><div>4056 Blakie Road, London, ON, N6L 1P7 Tel: (519) 652-5833 Fax: (519) 652-3795 Email: oes@oes-inc.com</div></div>	
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<div>TOLERANCE INFORMATION Dimensions are in inches</div> <div>Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 2°</div>		<div>SIZE</div> <div>B</div>	<div>FILENAME</div> <div>8020AOCV-H INFO.idw</div> <div>INIT DRAWING DATE</div> <div>2023-09-28</div> <div>REV</div> <div>B</div>
<div>THIRD ANGLE PROJECTION</div> <div></div>		<div>USE FOR REVIEW</div>	
<div>SCALE</div> <div>NTS</div>		<div>DRAWN BY</div> <div>LdeMello</div>	<div>PAGE</div> <div>1 OF 1</div>



Scoreboard Specifications

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 785 lbs
Incoming Mains Power: 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

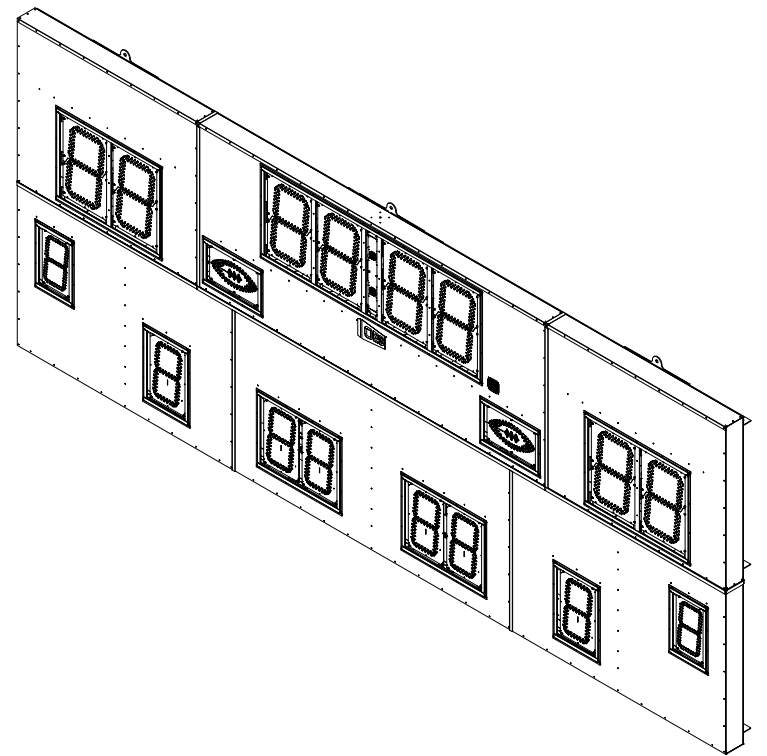
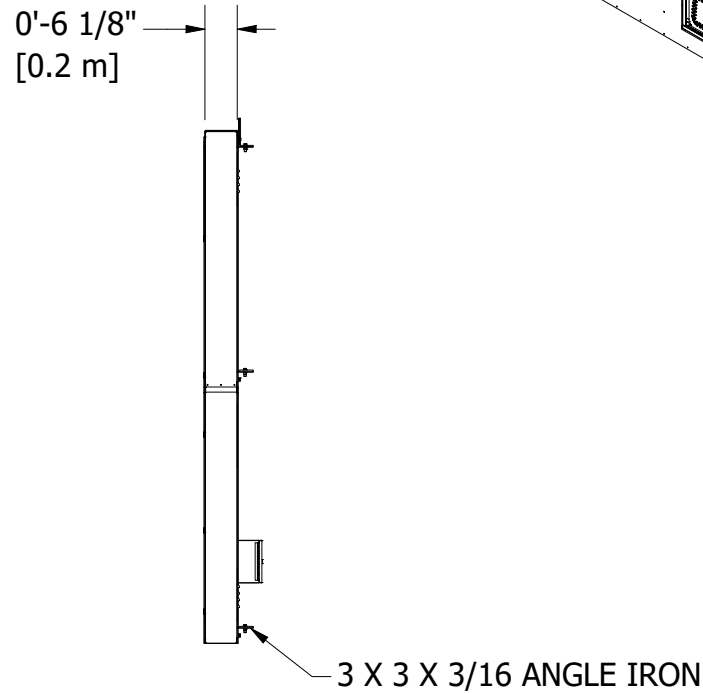
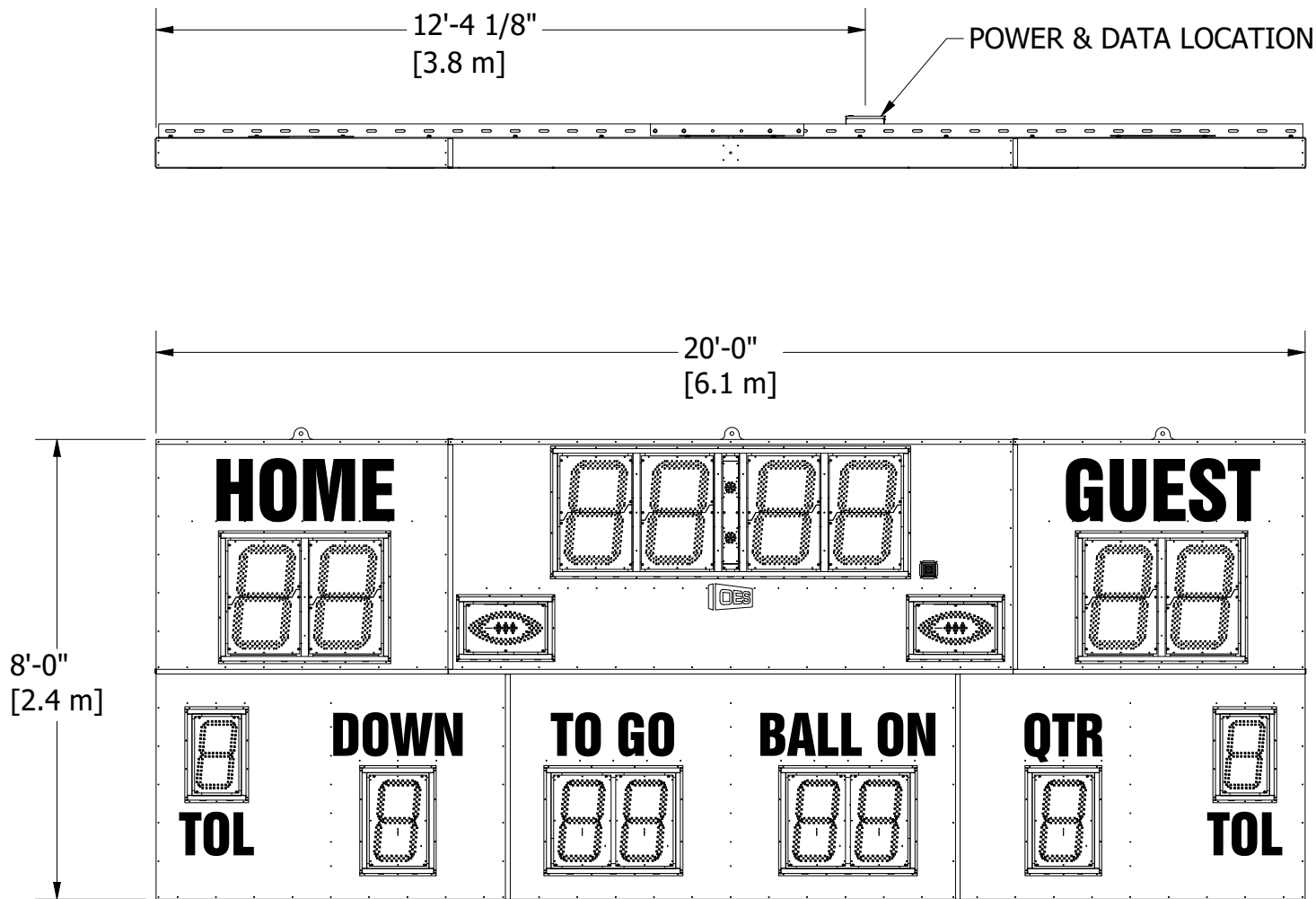
22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR
13" White Vinyl Lettering For HOME, GUEST

- All LED digits include the following:
- * Shatter Resistant Lexan cover
 - * Conformal coating to protect from environmental conditions
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REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025

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TOLERANCE INFORMATION Dimensions are in Inches Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 30°		DESCRIPTION OES ELECTRONIC SCOREBOARDS M8020AOCV-HF	
SIZE A	FILENAME M8020AOCV-HF	INIT DRAWING DATE 2/5/25	REV A
USE FOR REVIEW			
SCALE NTS	DRAWN BY WYANMOORSEL	PAGE 1 OF 1	



SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 772 lbs

22" LED Digits for **TIME, SCORE**
17" LED Digits for **DOWN, TO GO, BALL ON, QTR**
14" LED Digits for **TOL**
LED Football Indicators

13" White Vinyl Lettering for **HOME, GUEST**
9" White Vinyl Lettering for **TOL, DOWN, TO GO, BALL ON, QTR**

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz. **(x2)**
Requires an earth ground connection.

- MAX Current: **7.2 Amps (x2)**

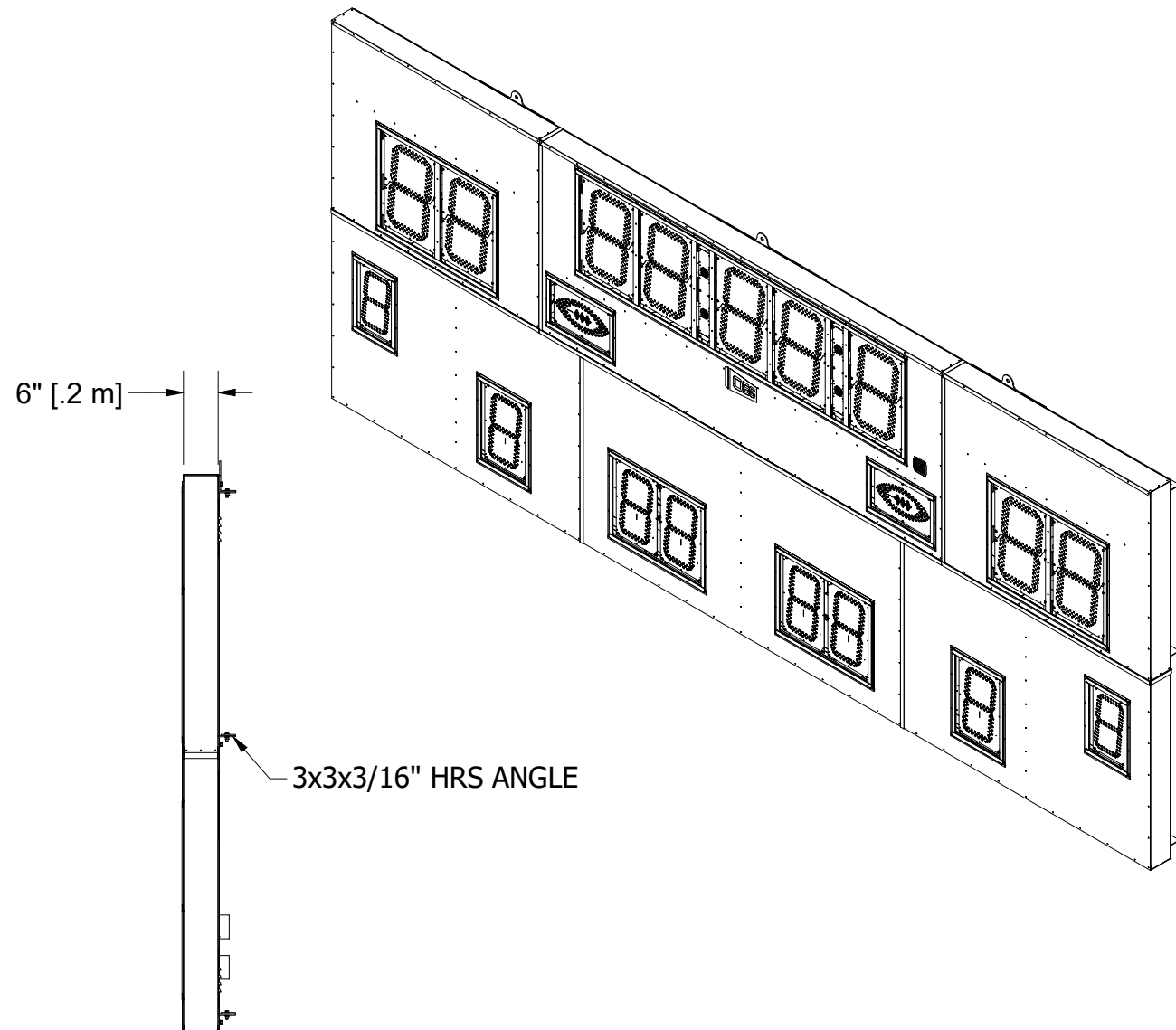
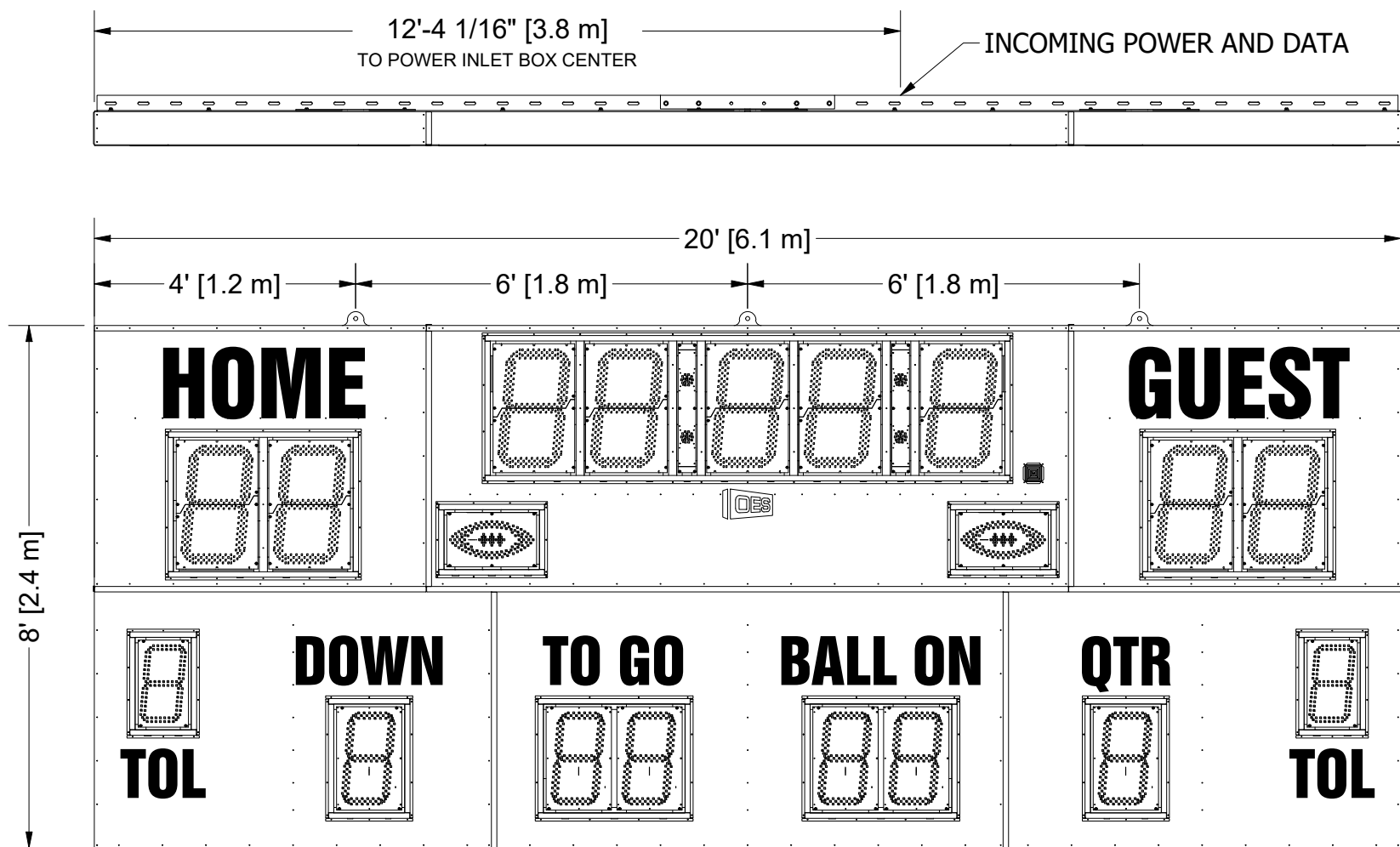
- AC Current Rating of Fuse or Circuit Breaker within SB:**10 Amps (x2)**

Incoming AC Mains (Power Cord) and Data Location:
Behind the **BALL ON** digits

Overcurrent Branch Circuit Protection supplying the scoreboard to be determined by customer in accordance with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	3/4/2024	M.LI
B	UPDATED WEIGHT	2024-12-16	WVM

<div>NOTICE TO PERSON RECEIVING THIS DRAWING AND TECHNICAL INFORMATION:</div> <div>OES INC. CLAIMS PROPERTY RIGHTS TO THE MATERIAL DISCLOSED HEREIN. THIS DRAWING INCLUDES UNPUBLISHED PROPRIETARY MATERIAL DEVELOPED BY OES INC. AND AS SUCH IS NOT TO BE COPIED, REPRODUCED OR USED IN ANY WAY WITHOUT PRIOR WRITTEN AUTHORIZATION FROM OES INC.</div> <div>TOLERANCE INFORMATION Dimensions are in inches Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 2°</div>		<div><div>OES SCOREBOARDS</div><div>DESCRIPTION</div><div>OES ELECTRONIC SCOREBOARDS 8020AOCV-INFO</div></div>		4056 Blakie Road, London, ON, N6L 1P7 Tel: (519) 652-5833 Fax: (519) 652-3795 Email: oes@oes-inc.com	
				7	
THIRD ANGLE PROJECTION		B		USE FOR REVIEW	
SCALE NTS		DRAWN BY M.LI		PAGE 1 OF 1	



SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 779 lbs

22" LED Digits for **TIME, SCORE**
17" LED Digits for **DOWN, TO GO, BALL ON, QTR**
14" LED Digits for **TOL**
LED Football Indicators

13" White Vinyl Lettering for **HOME, GUEST**
9" White Vinyl Lettering for **TOL, DOWN, TO GO, BALL ON, QTR**

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz.
Requires an earth ground connection.

- MAX Current: **12.6** Amps

- AC Current Rating of Fuse or Circuit Breaker within SB: **20** Amps

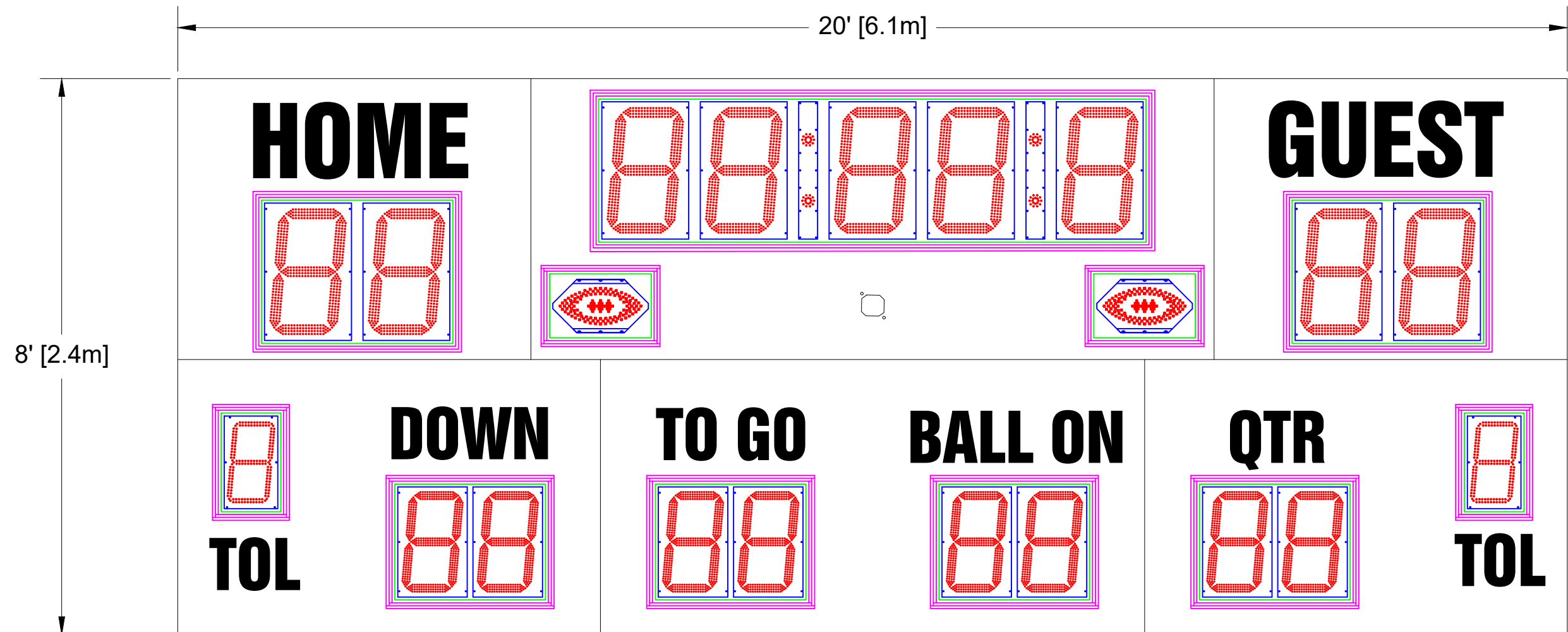
Incoming AC Mains (Power Cord) and Data Location:
Behind the **BALL ON** Digits.

Overcurrent Branch Circuit Protection supplying the scoreboard
to be determined by customer in accordance
with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	2022-08-22	RDonald
B	UPDATED WEIGHT	2024-12-17	WVM

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		<div>SIZE</div> <div>B</div>	<div>FILENAME</div> <div>8020AOCV-T INFO.idw</div> <div>INIT DRAWING DATE</div> <div>2022-08-22</div> <div>REV</div> <div>B</div>
<div>THIRD ANGLE PROJECTION</div> <div></div>		<div>USAGE</div> <div>USE FOR REVIEW</div>	
<div>SCALE</div> <div>NTS</div>		<div>DRAWN BY</div> <div>RDonald</div>	<div>PAGE</div> <div>1 OF 1</div>

4056 Blakie Road,
London, ON, N6L 1P7
Tel: (519) 652-5833
Fax: (519) 652-3795
Email: oes@oes-inc.com



Scoreboard Specifications

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 780 lbs
Incoming Mains Power: 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

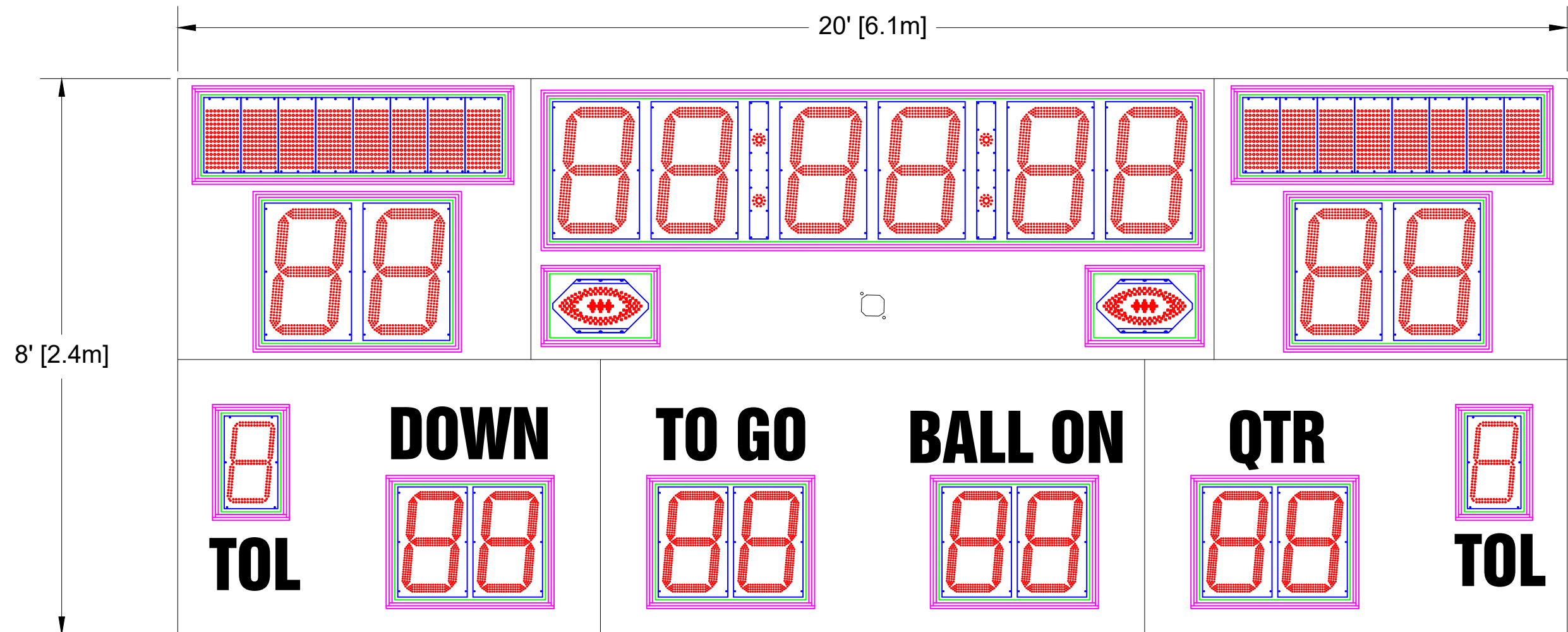
22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR
13" White Vinyl Lettering For HOME, GUEST

- All LED digits include the following:
- * Shatter Resistant Lexan cover
 - * Conformal coating to protect from environmental conditions
 - * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025

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TOLERANCE INFORMATION Dimensions are in Inches Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 30°		DESCRIPTION OES ELECTRONIC SCOREBOARDS M8020AOCV-TF	
SIZE A	FILENAME M8020AOCV-TF	INIT DRAWING DATE 2/5/25	REV A
SCALE NTS		DRAWN BY WYANMOORSEL	
		PAGE 1 OF 1	



Scoreboard Specifications

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 780 lbs
Incoming Mains Power: (2x) 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

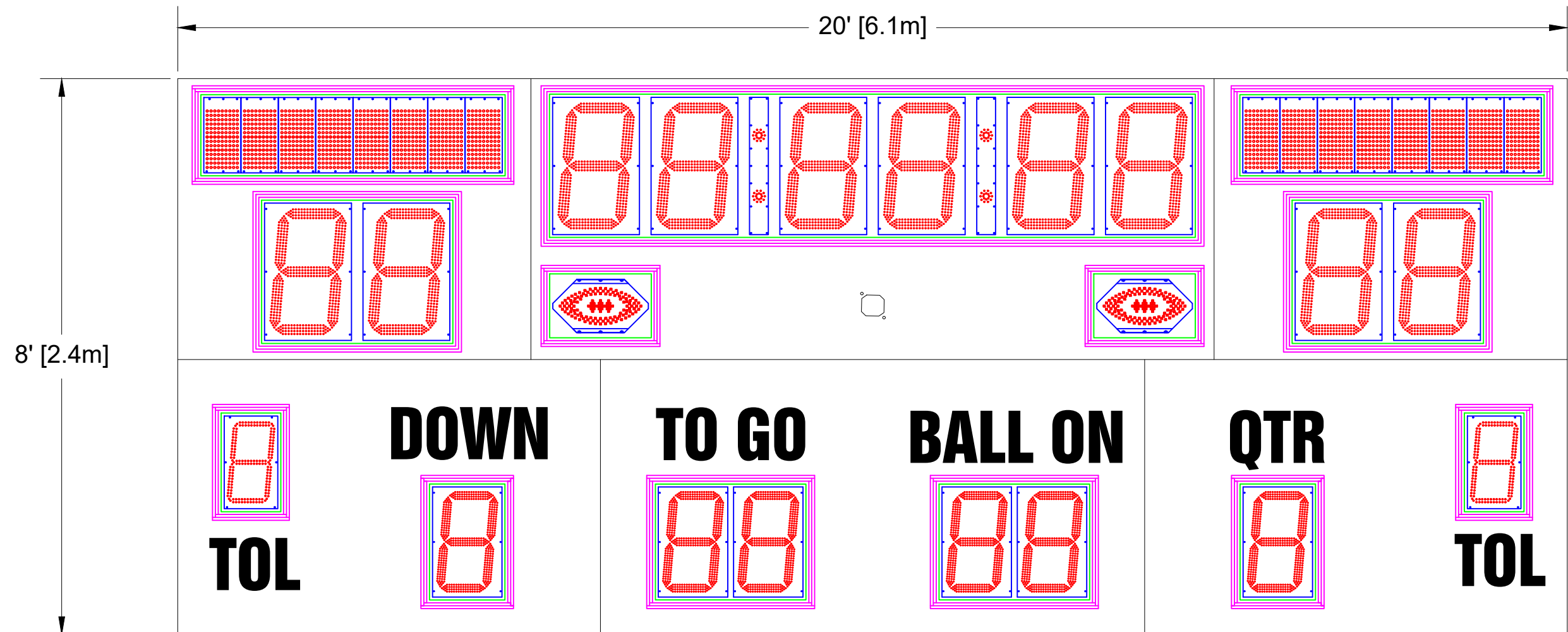
10" Electronic Team Names of 8 characters

9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR

All LED digits include the following:

- * Shatter Resistant Lexan cover
- * Conformal coating to protect from environmental conditions
- * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025
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TOLERANCE INFORMATION Dimensions are in Inches			
Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 30°			
THIRD ANGLE PROJECTIONS			
DESCRIPTION			
OES ELECTRONIC SCOREBOARDS M8020AUCE-HF			
SIZE	FILENAME	INIT DRAWING DATE	REV
A	M8020AUCE-HF	2/5/25	A
USAGE		USE FOR REVIEW	
SCALE	NTS	DRAWN BY	PAGE
WYANMOORSEL		1 OF 1	



Scoreboard Specifications

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 774 lbs
Incoming Mains Power: (2x) 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

10" Electronic Team Names of 8 characters

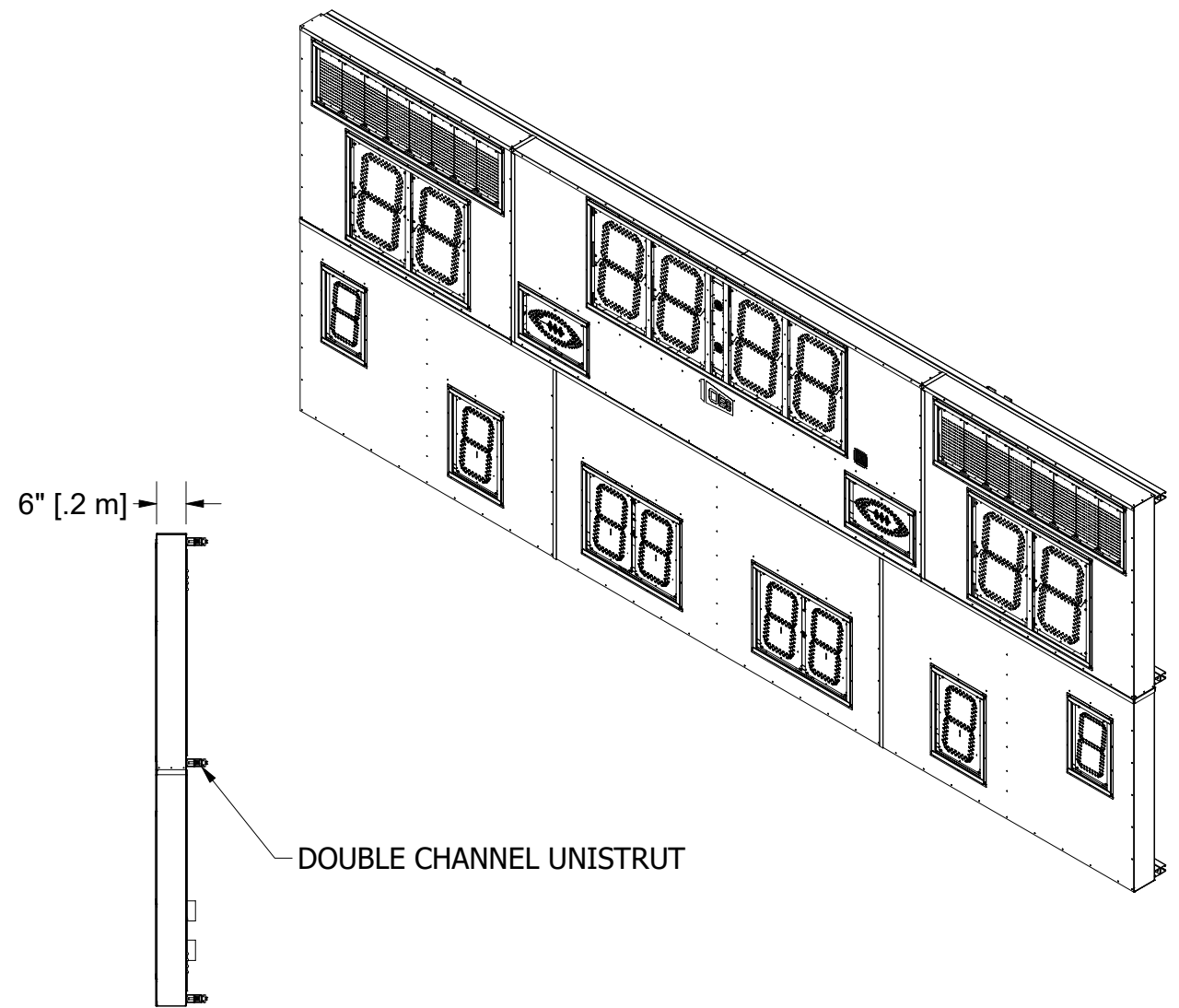
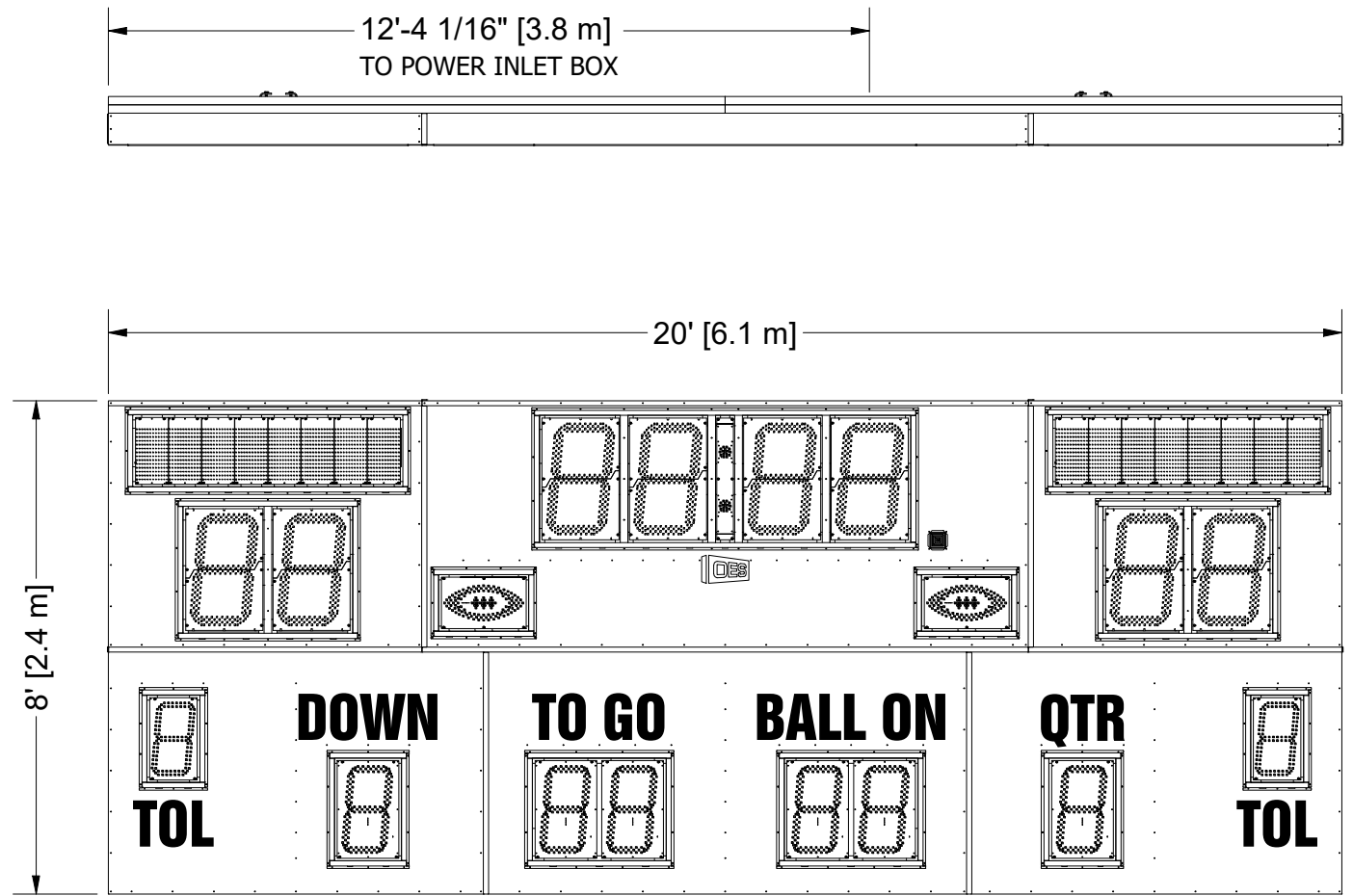
9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR

All LED digits include the following:

- * Shatter Resistant Lexan cover
- * Conformal coating to protect from environmental conditions
- * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025

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TOLERANCE INFORMATION Dimensions are in Inches Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 30°		DESCRIPTION OES ELECTRONIC SCOREBOARDS M8020AUCE-H	
SIZE A	FILENAME M8020AUCE-H	INIT DRAWING DATE 2/5/25	REV A
SCALE NTS		DRAWN BY WYANMOORSEL	
		PAGE 1 OF 1	



SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 750 lbs

22" LED Digits for **TIME, SCORE**
17" LED Digits for **DOWN, TO GO, BALL ON, QTR**
14" LED Digits for **TOL**
LED Football Indicators

10" Electronic Team Names at **8 CH**
9" White Vinyl Lettering for **TOL, DOWN, TO GO, BALL ON, QTR**

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz.
Requires an earth ground connection.


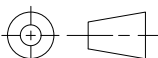
- MAX Current: **15.3** Amps

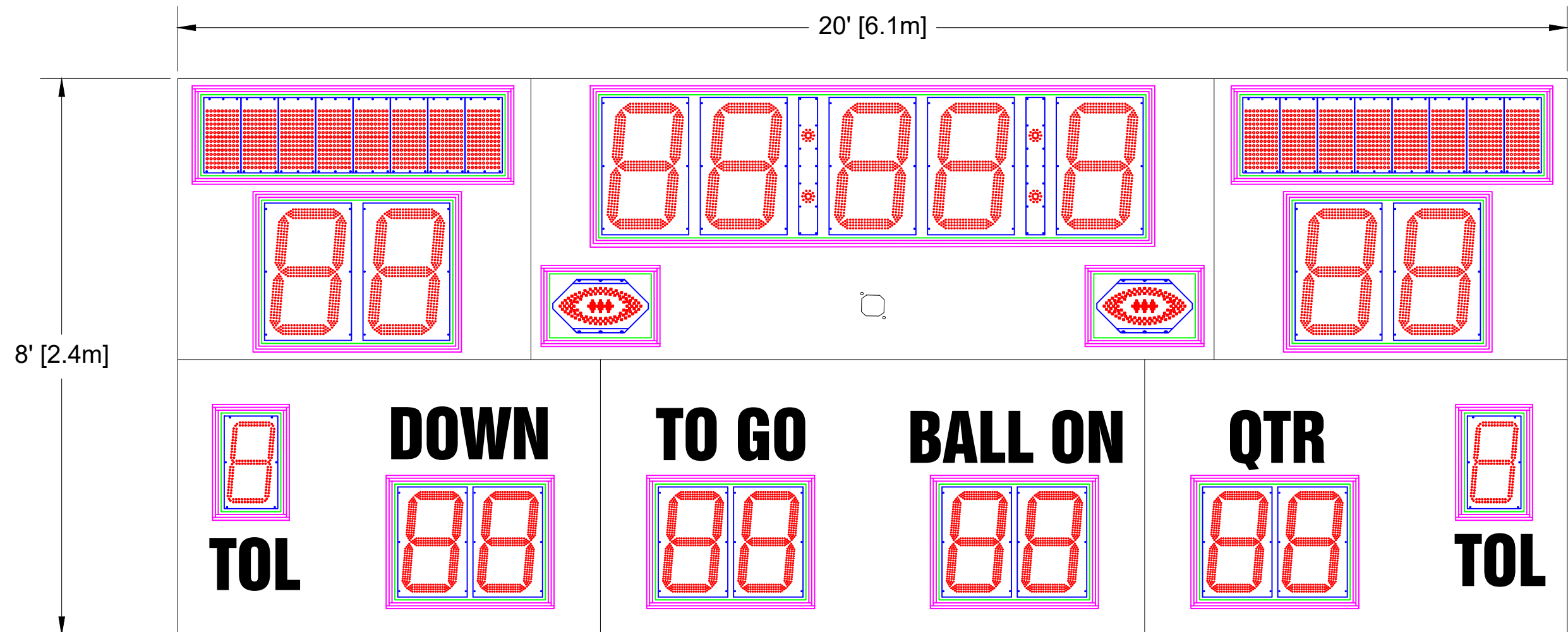
- AC Current Rating of Fuse or Circuit Breaker within SB: **20** Amps

Incoming AC Mains (Power Cord) and Data Location:
Behind the **BALL ON** digits

Overcurrent Branch Circuit Protection supplying the scoreboard
to be determined by customer in accordance
with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	2023-06-08	ELeClair
B	UPDATED WEIGHT	2024-12-16	WVM

				4056 Blakie Road, London, ON, N6L 1P7 Tel: (519) 652-5833 Fax: (519) 652-3795 Email: oes@oes-inc.com	
<u>NOTICE TO PERSON RECEIVING THIS DRAWING AND TECHNICAL INFORMATION:</u>		<div>DESCRIPTION</div> <div>OES ELECTRONIC SCOREBOARDS M8020AUCE</div>			
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<div>TOLERANCE INFORMATION Dimensions are in inches</div> <div>Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 2°</div>		<div>THIRD ANGLE PROJECTION</div> <div></div>		<div><div><div>SIZE</div><div>B</div></div><div><div>FILENAME</div><div>8020AUCE-INFO.idw</div></div><div><div>INIT DRAWING DATE</div><div>2023-06-08</div></div><div><div>REV</div><div>B</div></div></div> <div>USAGE</div> <div>USE FOR REVIEW</div>	
		<div>SCALE</div> <div>NTS</div>		<div><div>DRAWN BY</div><div>ELeClair</div></div> <div><div>PAGE</div><div>1 OF 1</div></div>	



Scoreboard Specifications

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 775 lbs
Incoming Mains Power: (2x) 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

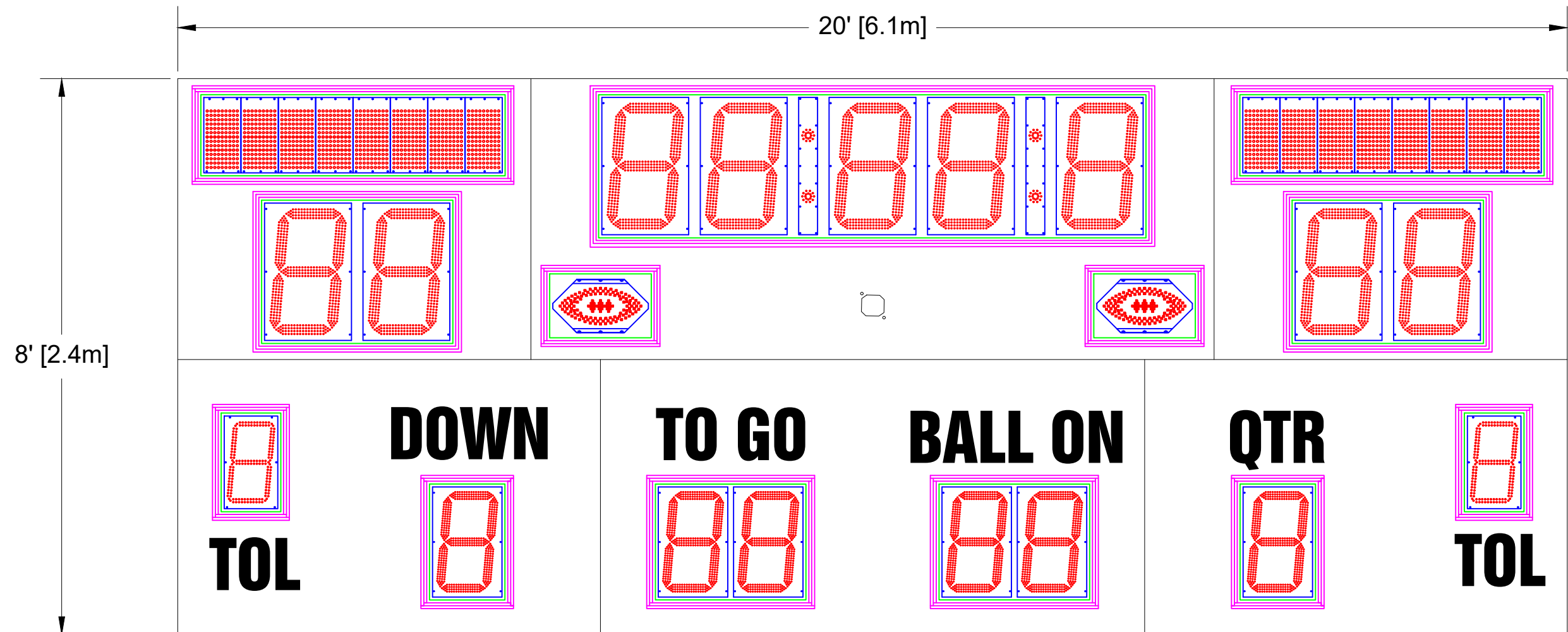
10" Electronic Team Names of 8 characters

9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR

All LED digits include the following:

- * Shatter Resistant Lexan cover
- * Conformal coating to protect from environmental conditions
- * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025
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TOLERANCE INFORMATION Dimensions are in Inches			
Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 30°			
THIRD ANGLE PROJECTIONS			
DESCRIPTION			
OES ELECTRONIC SCOREBOARDS M8020AUCE-TF			
SIZE	FILENAME	INIT DRAWING DATE	REV
A	M8020AUCE-TF	2/5/25	A
USAGE		USE FOR REVIEW	
SCALE	NTS	DRAWN BY	PAGE
WYANMOORSEL		1 OF 1	



Scoreboard Specifications
Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 769 lbs
Incoming Mains Power: (2x) 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

10" Electronic Team Names of 8 characters

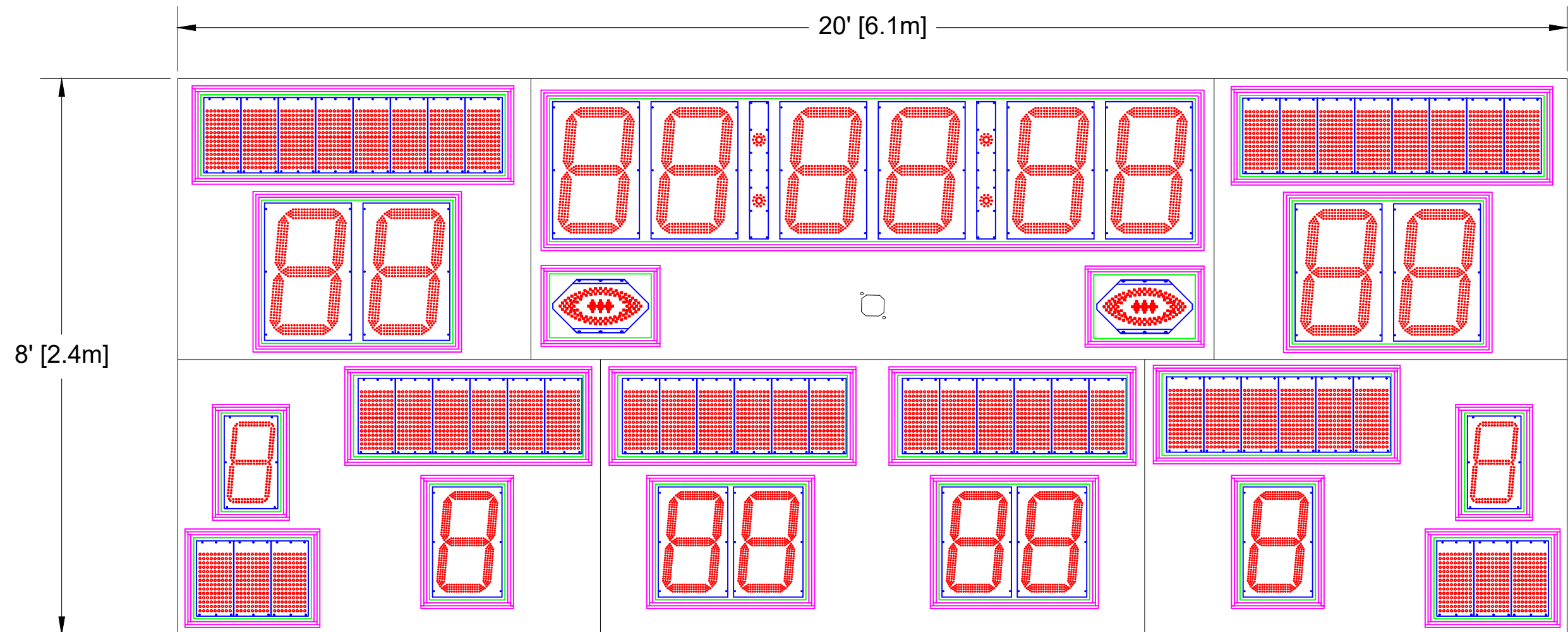
9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR

- All LED digits include the following:
- * Shatter Resistant Lexan cover
 - * Conformal coating to protect from environmental conditions
 - * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025

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SIZE	FILENAME M8020AUCE-T	INIT DRAWING DATE 2/5/25	REV															
A	USAGE		A															
USE FOR REVIEW																		
SCALE	NTS	DRAWN BY WYANMOORSE	PAGE 1 OF 1															

<div>THIRD ANGLE PROJECTIONS</div> <div></div>	
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Scoreboard Specifications

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 856 lbs
Incoming Mains Power: (3x) 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

10" Electronic Team Names of 8 characters
10" Electronic Captions of 6 characters
10" Electronic Captions of 3 characters

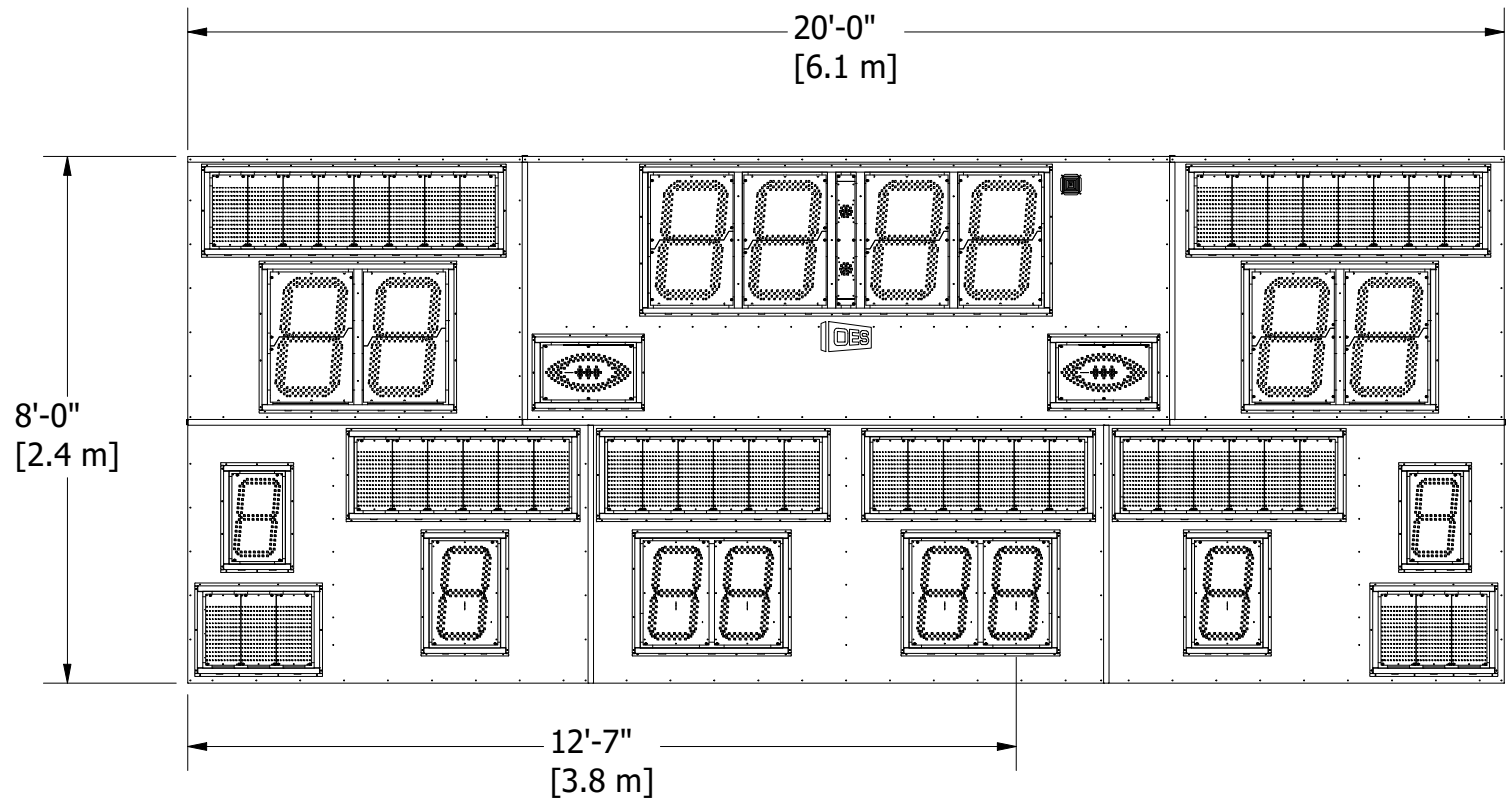
- All LED digits include the following:
- * Shatter Resistant Lexan cover
 - * Conformal coating to protect from environmental conditions
 - * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025

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TOLERANCE INFORMATION Dimensions are in Inches Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 30°		SCALE NTS	

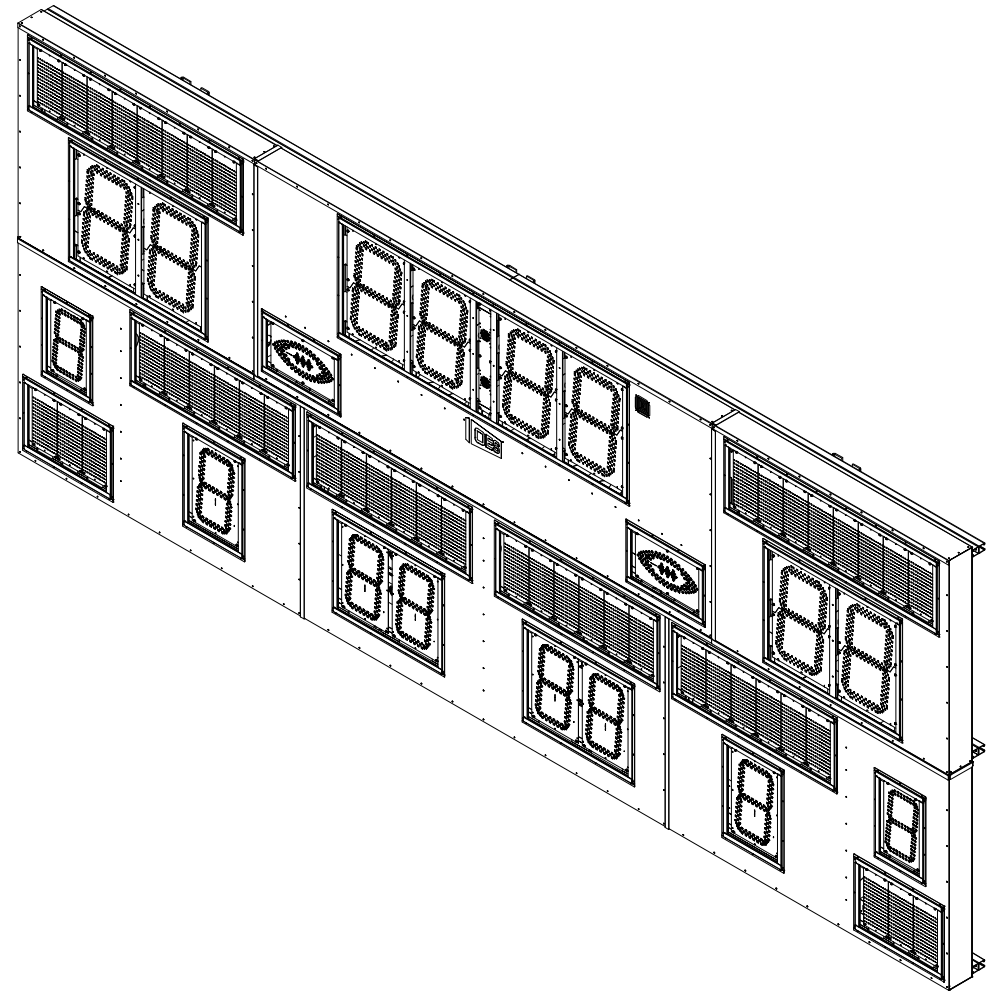
DESCRIPTION		OES ELECTRONIC SCOREBOARDS M8020AUCH-H	
SIZE	FILENAME	INIT DRAWING DATE	REV
A	M8020AUCH-H	2/5/25	A
USAGE		USE FOR REVIEW	
DRAWN BY		PAGE 1 OF 1	

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London, ON, N6L 1P7
Tel: (519) 652-5833
Fax: (519) 652-3795
Email: oes@oes-inc.com



0'-6 3/32"
[0.2 m]

DOUBLE CHANNEL
UNISTRUT



SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 802 lbs

22" LED Digits for **(TIME, SCORE)**
17" LED Digits for **(DOWN, TO GO, BALL ON, QTR)**
14" LED Digits for **(TOL)**
LED Football Indicators

10" Electronic Team Names of 8 characters
10" Electronic Captions of **6** characters
10" Electronic Captions of 3 characters

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz.
Requires an earth ground connection.

- MAX Current: **2 X 11.8 Amps**

- AC Current Rating of Fuse or Circuit Breaker within SB: **2 X 15 Amps**

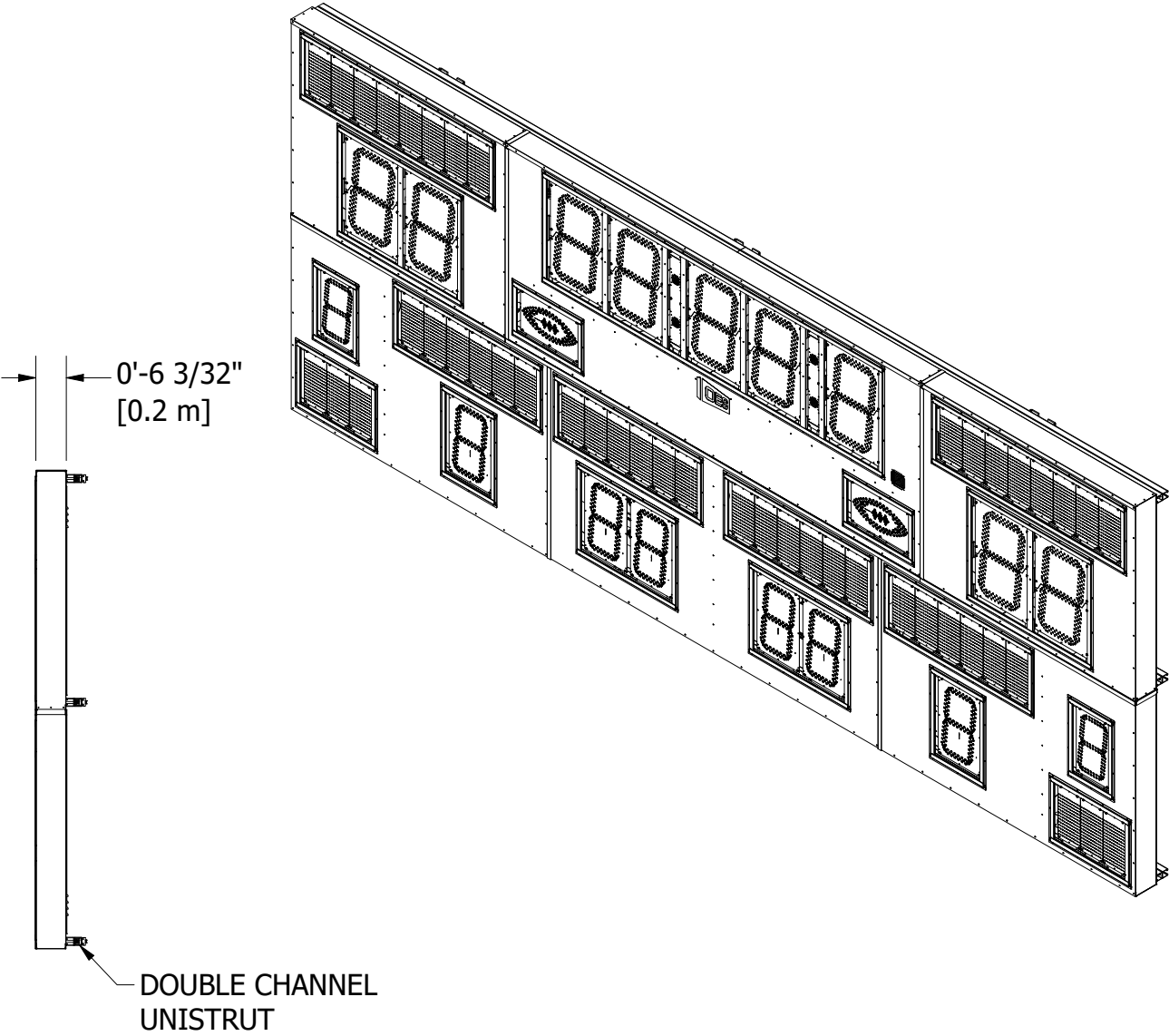
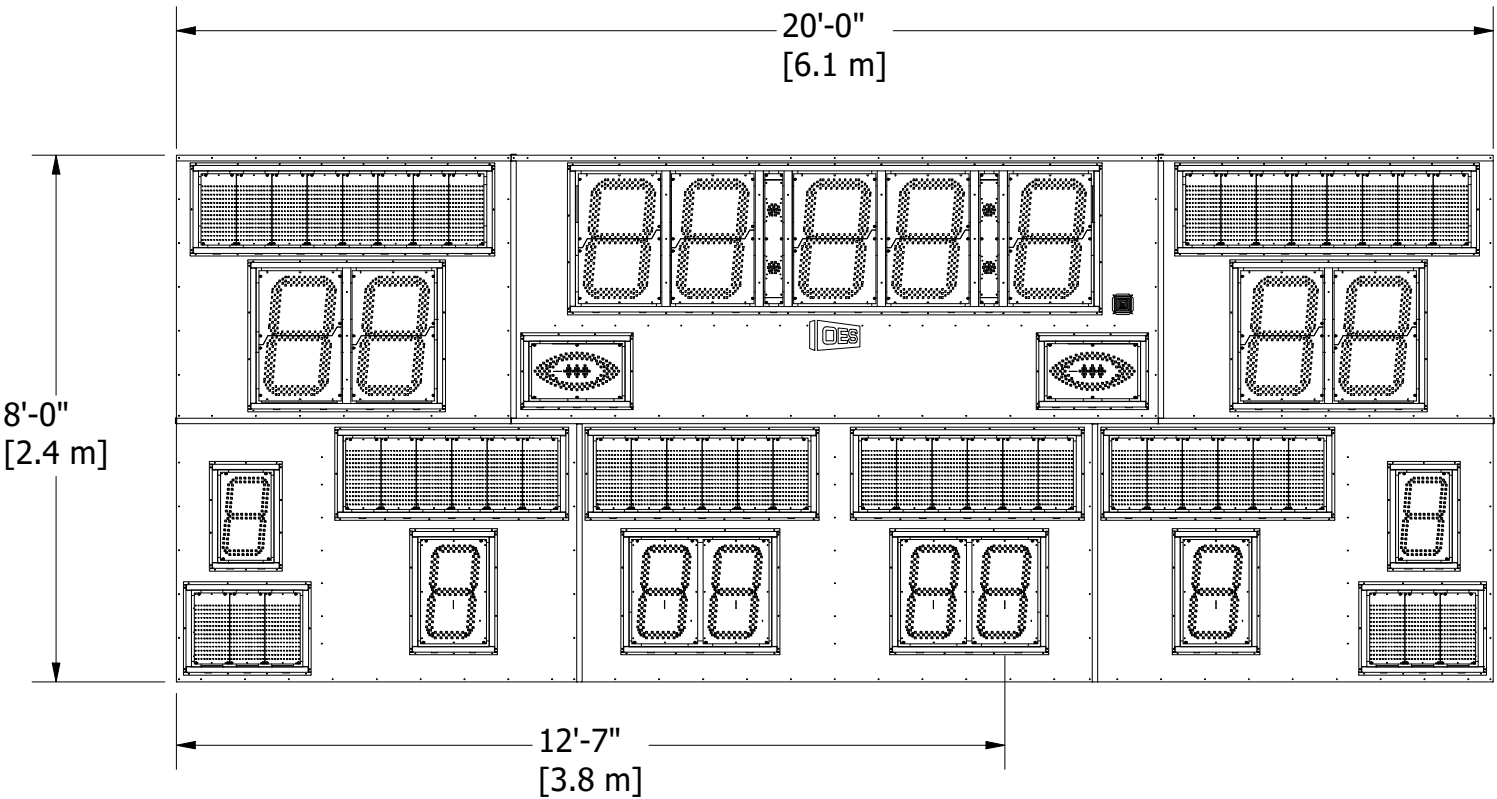
Incoming AC Mains (Power Cord) and Data Location:
Behind the BALL ON of the Scoreboard.

Overcurrent Branch Circuit Protection supplying the scoreboard
to be determined by customer in accordance
with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	4/14/2023	M.LI
B	UPDATED WEIGHT	2024-12-16	WVM

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DESCRIPTION		OES ELECTRONIC SCOREBOARDS 8020AUCH	
SIZE	FILENAME	INIT DRAWING DATE	REV
B	8020AUCH-INFO.idw	2023-04-14	B
USE FOR REVIEW			
SCALE	NTS	DRAWN BY	PAGE
		M.LI	1 OF 1

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London, ON, N6L 1P7
Tel: (519) 652-5833
Fax: (519) 652-3795
Email: oes@oes-inc.com



SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 810 lbs

22" LED Digits for **(TIME, SCORE)**
17" LED Digits for **(DOWN, TO GO, BALL ON, QTR)**
14" LED Digits for **(TOL)**
LED Football Indicators

10" Electronic Team Names of 8 characters
10" Electronic Captions of **6** characters
10" Electronic Captions of 3 characters

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz.
Requires an earth ground connection.

- MAX Current: **2 X 11.8** Amps

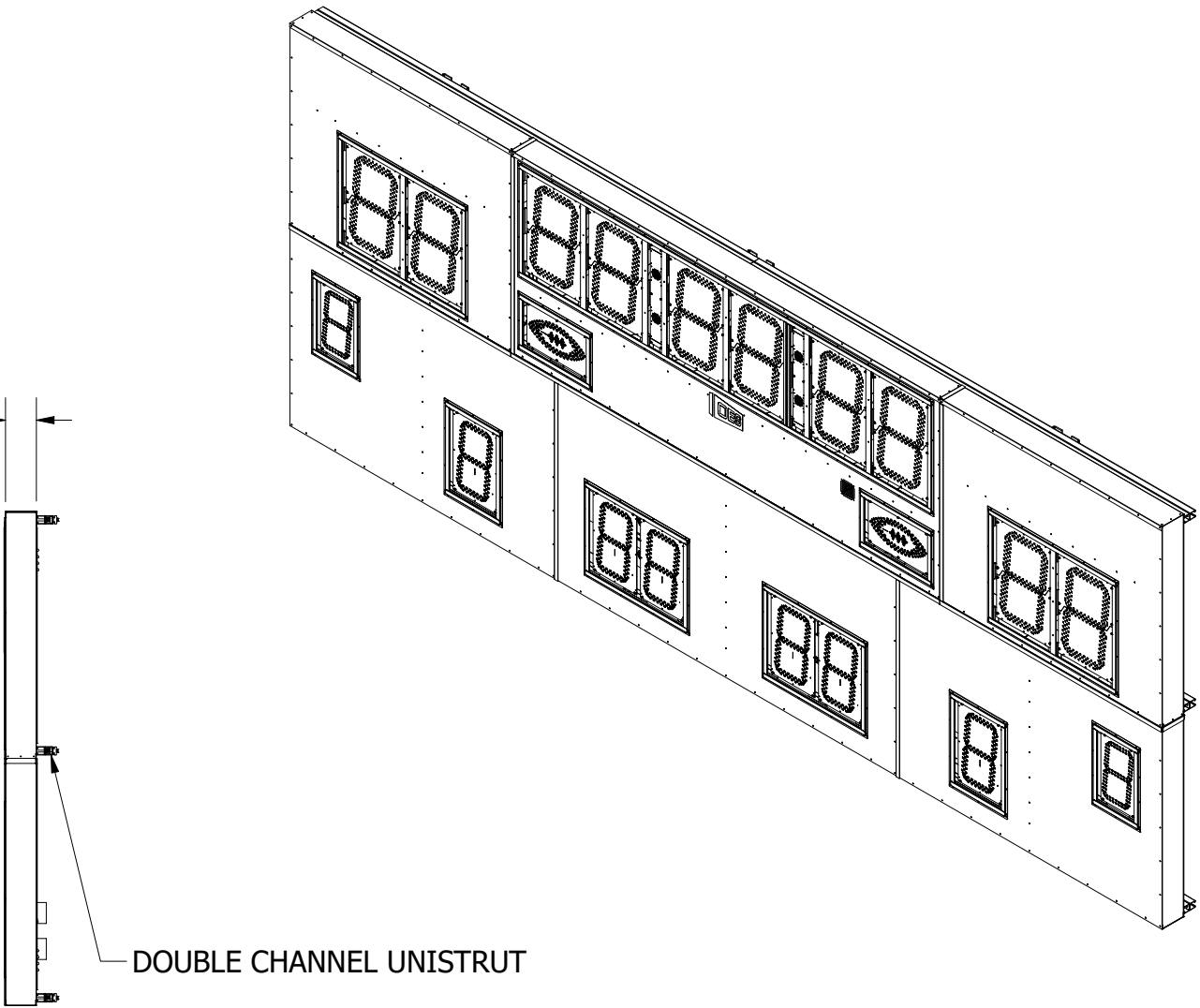
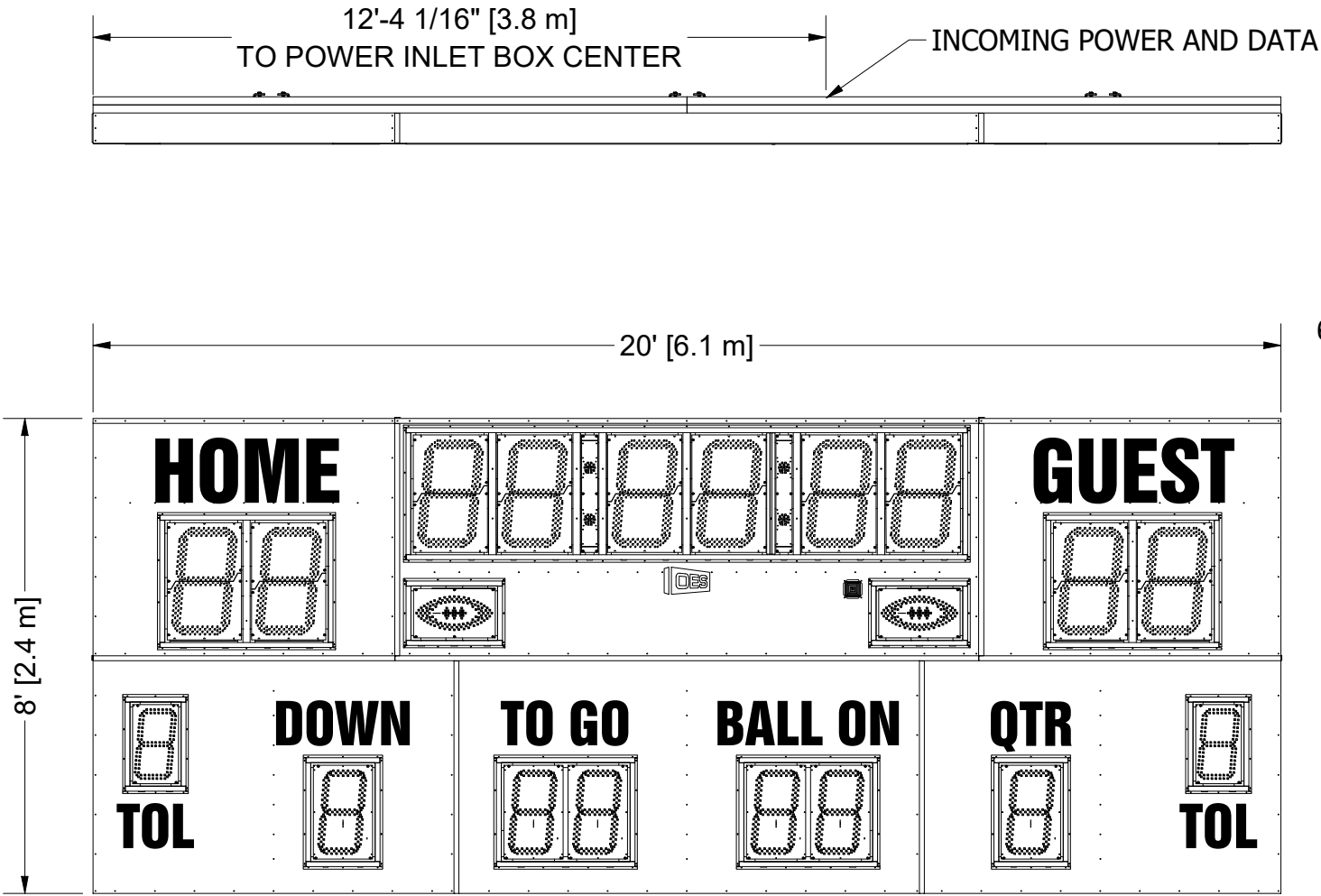
- AC Current Rating of Fuse or Circuit Breaker within SB: **2 X 15** Amps

Incoming AC Mains (Power Cord) and Data Location:
Behind the BALL ON of the Scoreboard.

Overcurrent Branch Circuit Protection supplying the scoreboard
to be determined by customer in accordance
with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	3/10/2023	M.LI
B	UPDATE MAX CURRENT DRAW	4/17/2023	M.LI
C	UPDATED WEIGHT	2024-12-17	WVM

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		<div>SIZE B</div> <div>FILENAME 8020AUCH-T-INFO.idw</div> <div>INIT DRAWING DATE 2023-03-10</div> <div>REV C</div>	<div>4056 Blakie Road, London, ON, N6L 1P7 Tel: (519) 652-5833 Fax: (519) 652-3795 Email: oes@oes-inc.com</div>
<div>THIRD ANGLE PROJECTION</div> <div></div>		<div>USE FOR REVIEW</div>	
<div>SCALE NTS</div>		<div>DRAWN BY M.LI</div>	<div>PAGE 1 OF 1</div>



SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 749 lbs

22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL
LED Football Indicators

9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR
13" White Vinyl Lettering For HOME, GUEST

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz.
Requires an earth ground connection.

- MAX Current: **12.6** Amps

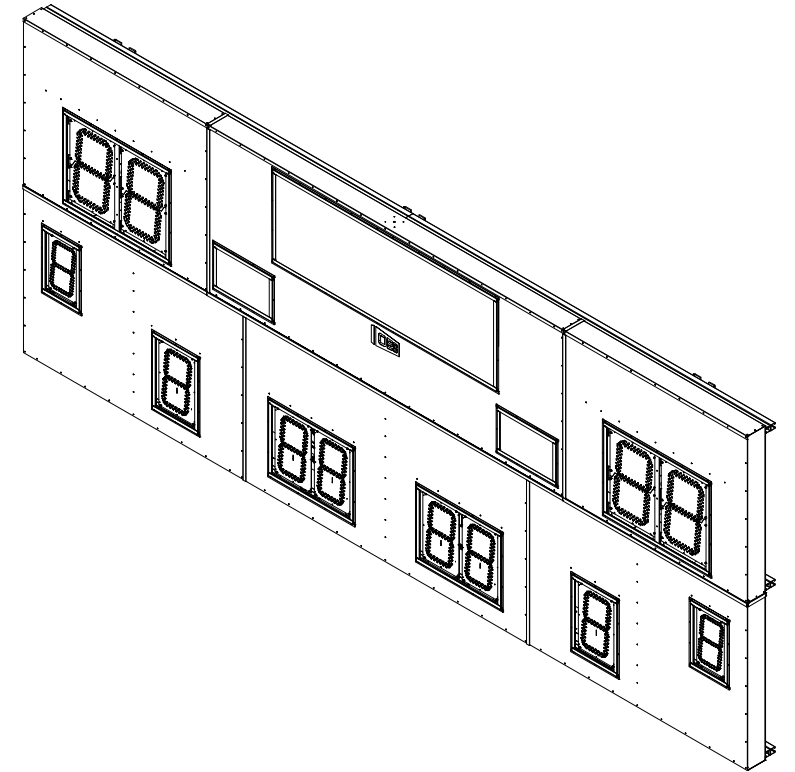
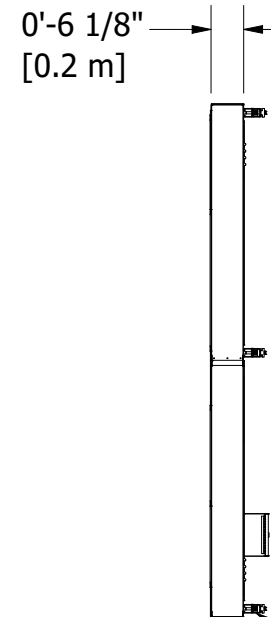
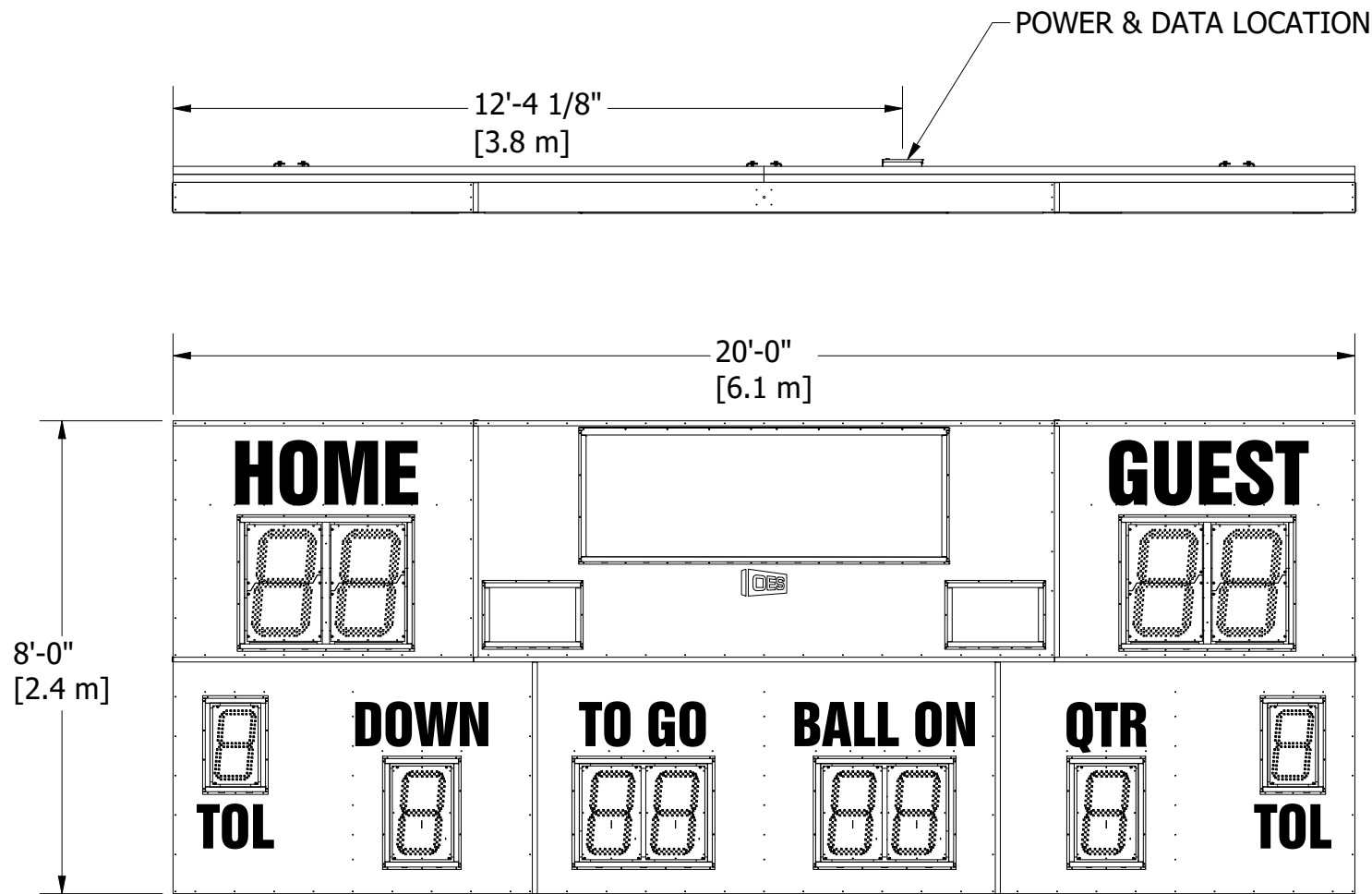
- AC Current Rating of Fuse or Circuit Breaker within SB: **20** Amps

Incoming AC Mains (Power Cord) and Data Location:
Behind the **BALL ON** Digits.

Overcurrent Branch Circuit Protection supplying the scoreboard
to be determined by customer in accordance
with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	2023-09-28	LDeMello
B	UPDATED WEIGHT	2024-12-17	WVM

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		<div>THIRD ANGLE PROJECTION</div> <div></div>	<div>SIZE B</div> <div>FILENAME 8020AUCV-H INFO.idw</div> <div>INIT DRAWING DATE 2023-09-28</div> <div>REV B</div>
SCALE NTS		DRAWN BY LdeMello	
PAGE 1		OF 1	



SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 737 lbs

22" LED Digits for **TIME, SCORE**
17" LED Digits for **DOWN, TO GO, BALL ON, QTR**
14" LED Digits for **TOL**
LED Football Indicators

13" White Vinyl Lettering for **HOME, GUEST**
9" White Vinyl Lettering for **TOL, DOWN, TO GO, BALL ON, QTR**

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz. **(x2)**
Requires an earth ground connection.

- MAX Current: **7.2 Amps (x2)**

- AC Current Rating of Fuse or Circuit Breaker within SB:**10 Amps (x2)**

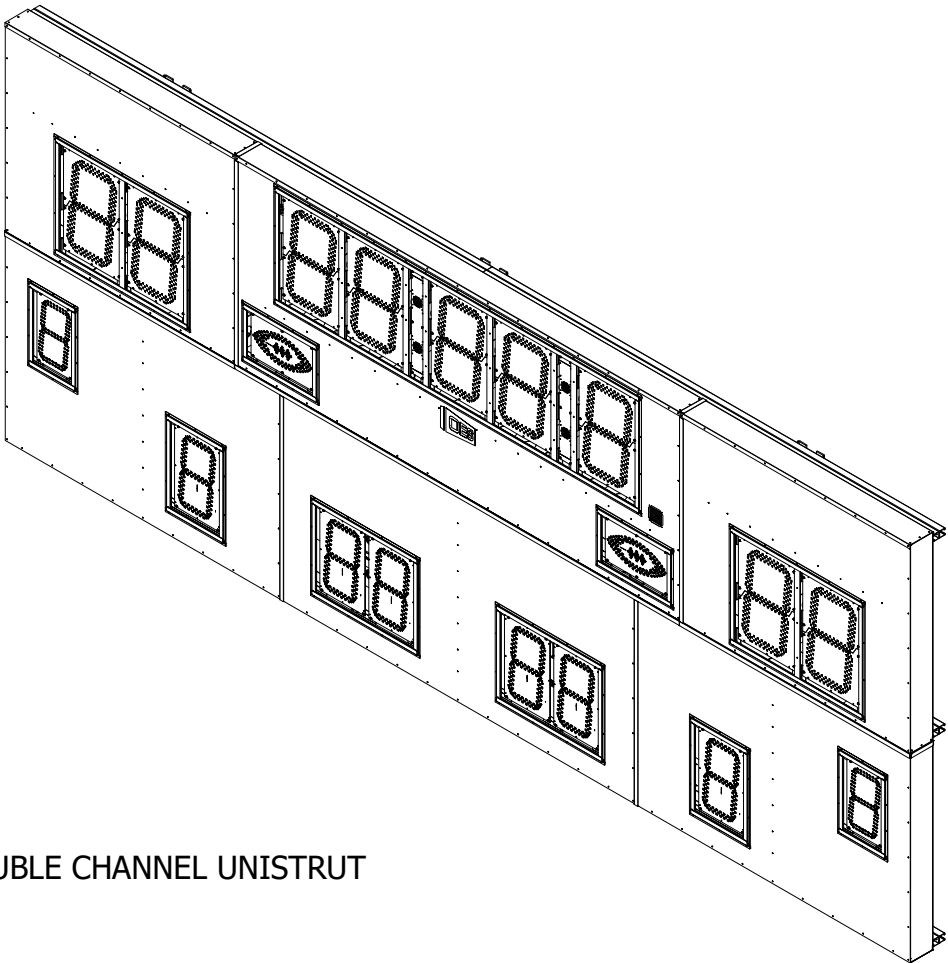
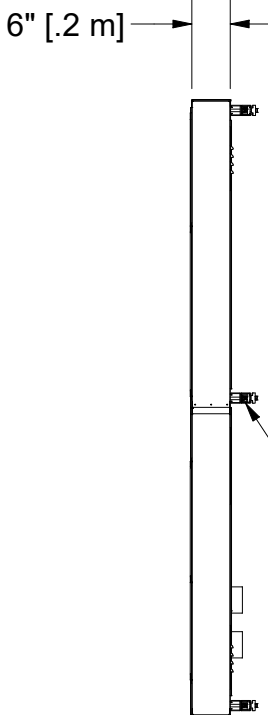
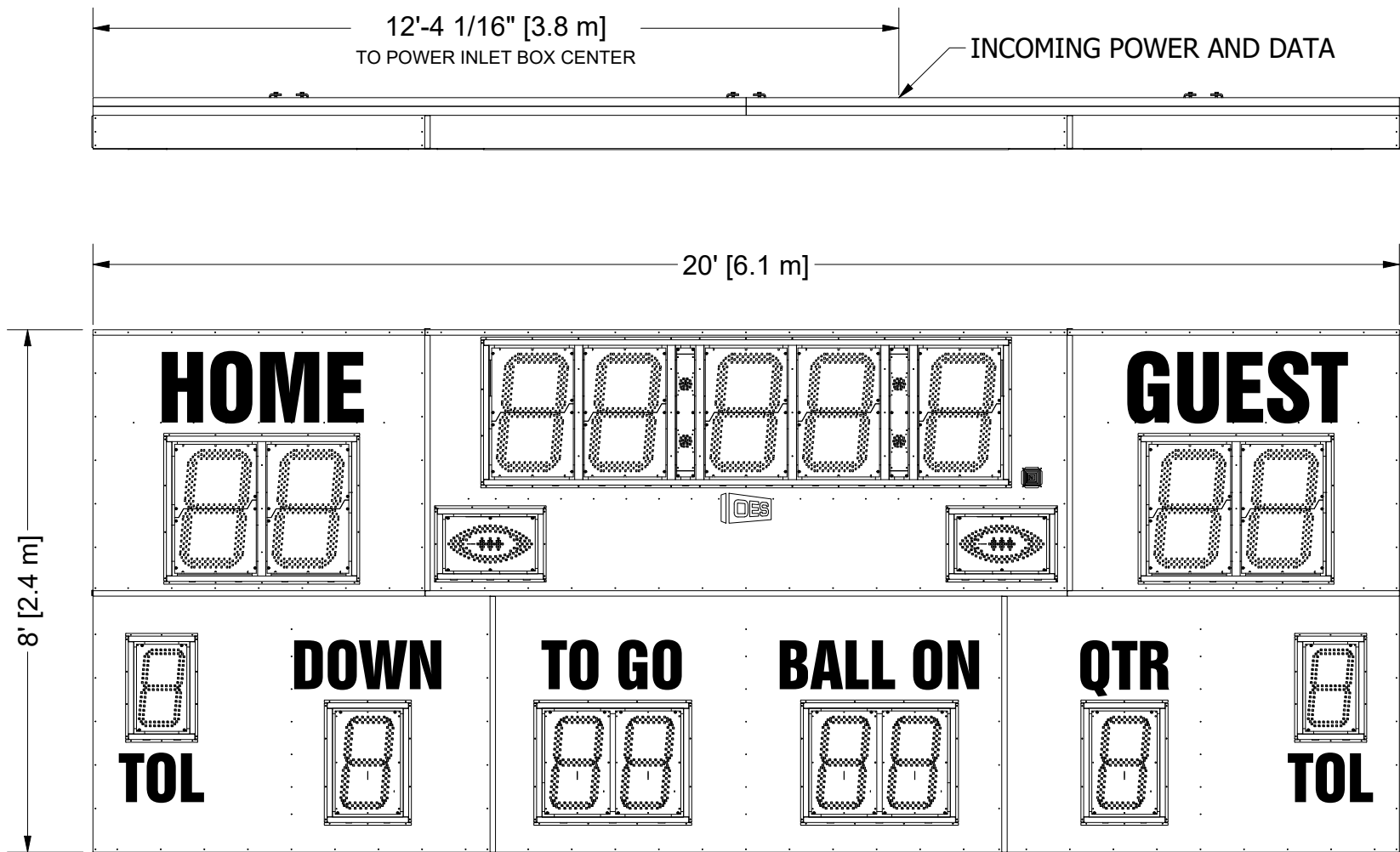
Incoming AC Mains (Power Cord) and Data Location:
Behind the **BALL ON** digits

Overcurrent Branch Circuit Protection supplying the scoreboard
to be determined by customer in accordance
with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	2022-05-30	RDonald
B	UPDATE ELECTRICAL SPECS	2022-07-11	RDonald
C	UPDATED WEIGHT	2024-12-16	WVM

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DESCRIPTION		OES ELECTRONIC SCOREBOARDS M8020AUCV-	
SIZE	FILENAME	INIT DRAWING DATE	REV
B	8020AUCV-INFO.idw	2022-05-30	C
USAGE			
USE FOR REVIEW			
SCALE	NTS	DRAWN BY	PAGE
		rdonald	1 OF 1

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London, ON, N6L 1P7
Tel: (519) 652-5833
Fax: (519) 652-3795
Email: oes@oes-inc.com



SCOREBOARD SPECIFICATIONS

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 744 lbs

22" LED Digits for **TIME, SCORE**
17" LED Digits for **DOWN, TO GO, BALL ON, QTR**
14" LED Digits for **TOL**
LED Football Indicators

13" White Vinyl Lettering for **HOME, GUEST**
9" White Vinyl Lettering for **TOL, DOWN, TO GO, BALL ON, QTR**

All LED digits include the following:
*Shatter Resistant Lexan cover
*Conformal coating to protect from environmental conditions
*Surface Mount Technology LEDs allowing for wide viewing angle

ELECTRICAL SPECIFICATIONS

Electrical Ratings:
- AC Mains Voltage/Freq: 120VAC (+/-10%) 1 Phase, 2 Wire / 60Hz.
Requires an earth ground connection.

- MAX Current: **12.6** Amps

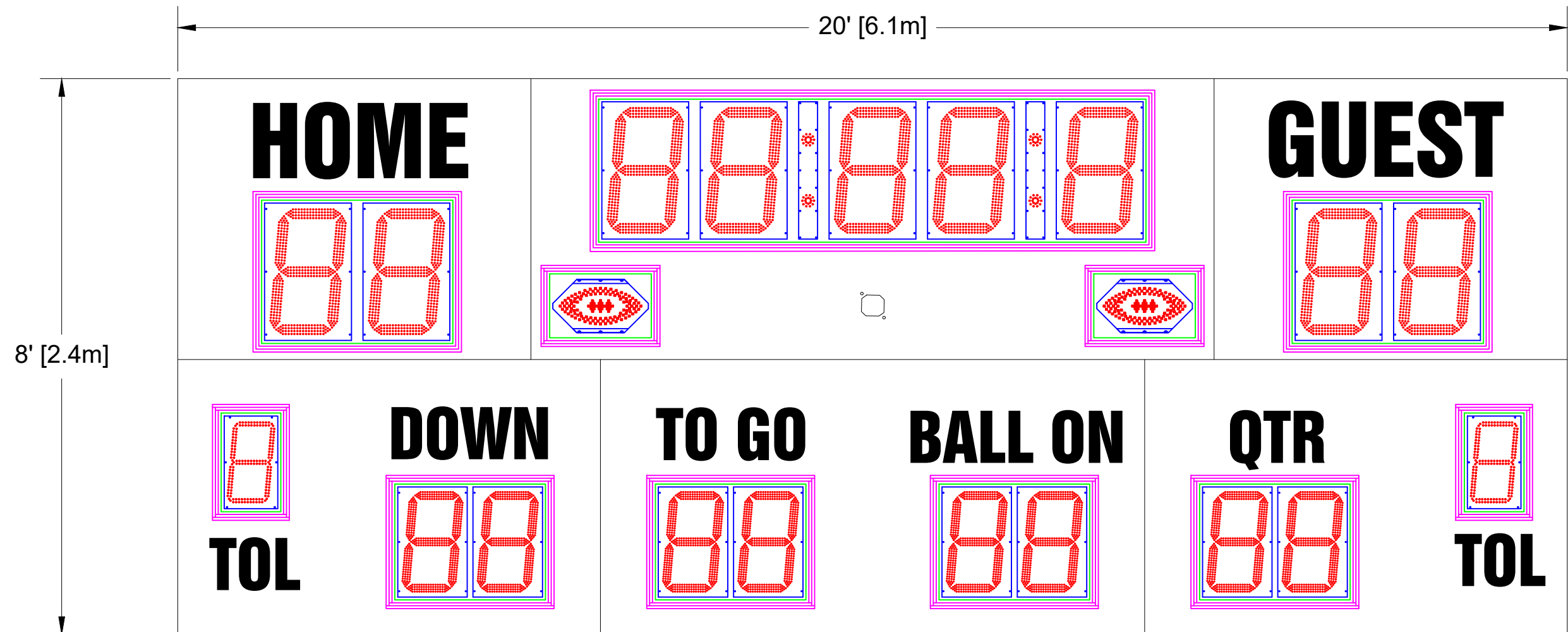
- AC Current Rating of Fuse or Circuit Breaker within SB: **20** Amps

Incoming AC Mains (Power Cord) and Data Location:
Behind the **BALL ON** Digits.

Overcurrent Branch Circuit Protection supplying the scoreboard
to be determined by customer in accordance
with all local electrical codes.

REVISION HISTORY			
REV	DESCRIPTION	DATE	AUTHOR
A	INITIAL DESIGN	2022-08-22	RDonald
B	UPDATED WEIGHT	2024-12-17	WVM

		<div><div><div><div></div><div>OES</div></div><div>SCOREBOARDS</div></div></div> <div>4056 Blakie Road, London, ON, N6L 1P7 Tel: (519) 652-5833 Fax: (519) 652-3795 Email: oes@oes-inc.com</div>	
<div>NOTICE TO PERSON RECEIVING THIS DRAWING AND TECHNICAL INFORMATION:</div> <div>OES INC. CLAIMS PROPERTY RIGHTS TO THE MATERIAL DISCLOSED HEREIN. THIS DRAWINGS INCLUDES UNPUBLISHED PROPRIETARY MATERIAL DEVELOPED BY OES INC. AND AS SUCH IS NOT TO BE COPIED, REPRODUCED OR USED IN ANY WAY WITHOUT PRIOR WRITTEN AUTHORIZATION FROM OES INC.</div>		<div>DESCRIPTION</div> <div>OES ELECTRONIC SCOREBOARDS M8020AUCV-T</div>	
<div>TOLERANCE INFORMATION Dimensions are in inches</div> <div>Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 2°</div>		<div>SIZE</div> <div>B</div>	<div>FILENAME</div> <div>8020AUCV-T INFO.idw</div> <div>INIT DRAWING DATE</div> <div>2022-08-22</div> <div>REV</div> <div>B</div>
<div>THIRD ANGLE PROJECTION</div> <div></div>		<div>USAGE</div> <div>USE FOR REVIEW</div>	
<div>SCALE</div> <div>NTS</div>		<div>DRAWN BY</div> <div>RDonald</div>	<div>PAGE</div> <div>1 OF 1</div>



Scoreboard Specifications

Overall size: 20' (W) x 8' (H) x 6" (D)
Approximate Weight: 745 lbs
Incoming Mains Power: 120VAC (+/-10%) 1 Phase, 2 Wire, 60Hz / 15 Amps. Requires an earth ground connection.
Incoming Mains Power and Data Location: Behind the BALL ON Digit(s).

22" LED Digits for HOME, GUEST, TOD
17" LED Digits for DOWN, TO GO, BALL ON, QTR
14" LED Digits for TOL

9" White Vinyl Lettering For TOL, DOWN, TO GO, BALL ON, QTR
13" White Vinyl Lettering For HOME, GUEST

- All LED digits include the following:
- * Shatter Resistant Lexan cover
 - * Conformal coating to protect from environmental conditions
 - * Surface Mount Technology LEDs allowing for wider viewing angle

REVISION	DESCRIPTION	AUTHOR	DATE
A	INITIAL DESIGN	OES	2/5/2025
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TOLERANCE INFORMATION Dimensions are in Inches			
Fractional ± 1/16" Two Place Decimals ± 0.02" Three Place Decimals ± 0.005" Four Place Decimals ± 0.0005" Angular ± 30°			
THIRD ANGLE PROJECTIONS			
DESCRIPTION			
OES ELECTRONIC SCOREBOARDS M8020AUCV-TF			
SIZE	FILENAME	INIT DRAWING DATE	REV
A	M8020AUCV-TF	2/5/25	A
USAGE		USE FOR REVIEW	
SCALE	NTS	DRAWN BY	PAGE
WYANMOORSE		1 OF 1	