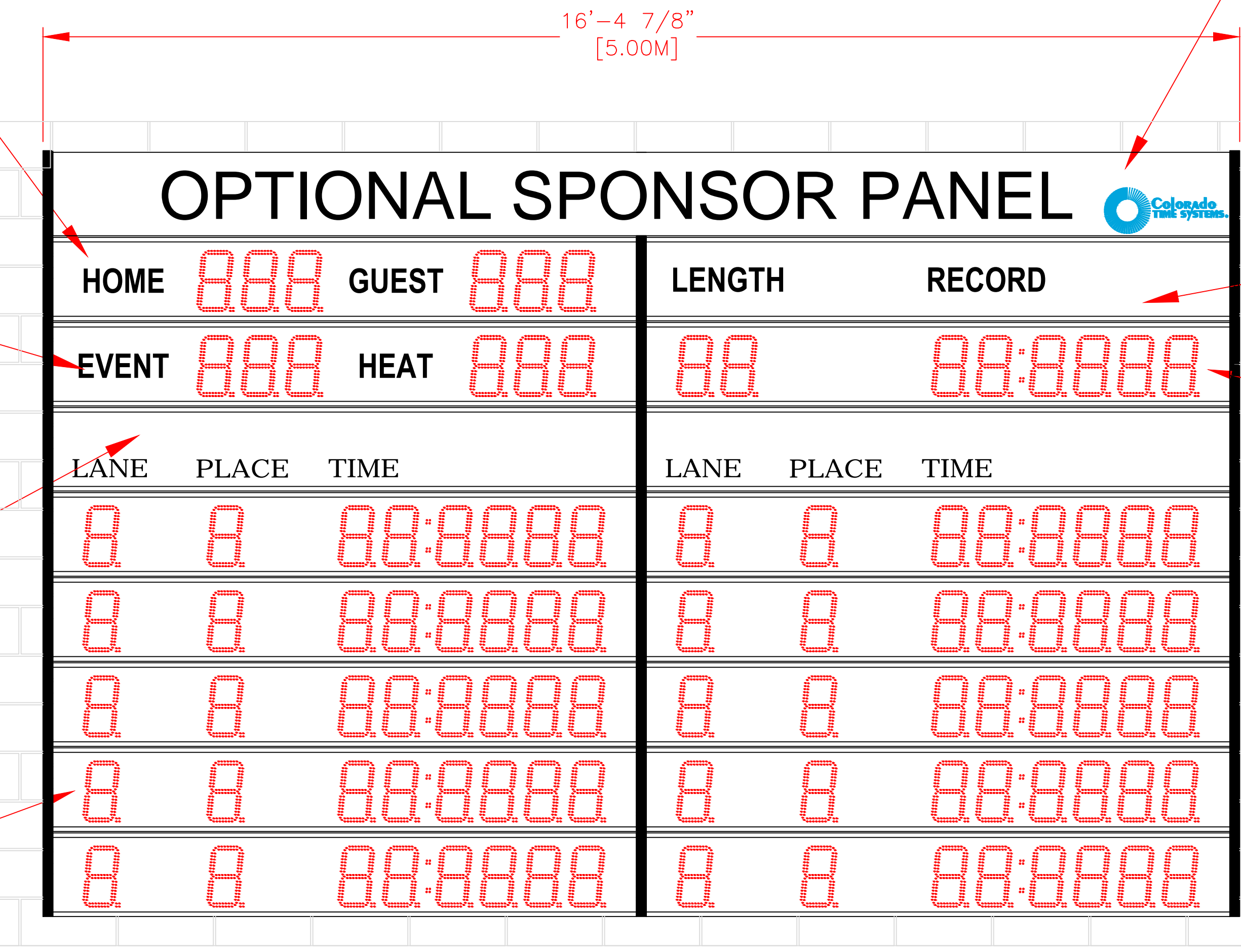


BILL OF MATERIAL				
ITEM	QTY	DESCRIPTION	CTS P/N	MFG P/N

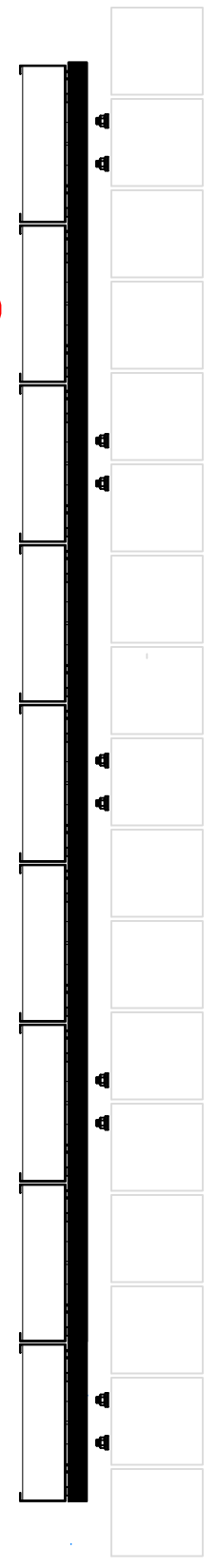
- HOME/GUEST 6-DIGIT SCOREBOARD DISPLAY
1 REQUIRED
P/N: LED6-HG
(BY COLORADO TIME SYSTEMS)
WEIGHT 40lbs EA
- EVENT/HEAT 6-DIGIT SCOREBOARD DISPLAY
1 REQUIRED
P/N: LED6-EH
(BY COLORADO TIME SYSTEMS)
WEIGHT 40lbs EACH
- LANE PLACE TIME SCOREBOARD DISPLAY
2 REQUIRED
P/N: SP-LED WITH LN/PL/TIME
(BY COLORADO TIME SYSTEMS)
WEIGHT 26lbs EACH
- LANE PLACE TIME 8-DIGIT SCOREBOARD DISPLAY
10 REQUIRED
P/N: LEDR
(BY COLORADO TIME SYSTEMS)
WEIGHT 40lbs EA



SPONSOR PANEL ASSEMBLY
2 REQUIRED
P/N SP-LED WITH OPTIONAL ARTWORK
(BY COLORADO TIME SYSTEMS)
WEIGHT 26lbs EACH

LENGTH RECORD SCOREBOARD DISPLAY
1 REQUIRED
P/N: SP-LED WITH LENGTH/RECORD
(BY COLORADO TIME SYSTEMS)
WEIGHT 26lbs EACH

LENGTH RECORD 8-DIGIT SCOREBOARD DISPLAY
1 REQUIRED
P/N: LEDR
(BY COLORADO TIME SYSTEMS)
WEIGHT 40lbs EA

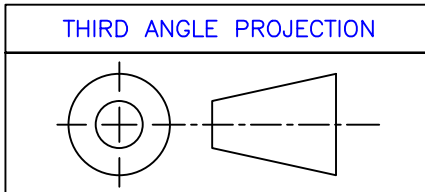


FRONT VIEW

SIDE VIEW

- NOTES:
- TOTAL WEIGHT - 650 LBS - INCLUDES DISPLAY PORTION ONLY
 - DIMENSIONS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE DUE TO DETAILED DESIGN CONSIDERATIONS
 - THIS DRAWING FOR DESIGN ONLY - PLEASE CONSULT CTS PRIOR TO ANY FABRICATION/INSTALLATION
 - ONLY APPROVED SHOP DRAWINGS SHOULD BE USED FOR CONSTRUCTION
 - ALL CONSTRUCTION AND FABRICATION MUST MEET ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES
 - ALL ON-SITE WORK TO BE DONE IN ACCORDANCE WITH OSHA AND ALL LOCAL CODES THAT APPLY
 - CTS PROVIDES DISPLAY, UNISTRUT, AND BRACKETING - ALL OTHER STRUCTURAL COMPONENTS AND FABRICATION MUST BE PROVIDED BY OTHER

UNLESS OTHERWISE SPECIFIED:
VARIATIONS IN FORM FOR UNMACHINED FEATURES ARE PERMITTED WITHIN ESTABLISHED COMMERCIAL STANDARDS. ALL EDGES AND CORNERS 0.005-0.020 (APPROX RADIUS OR CHAMFER) - ALL FILETS 0.005-0.020 (APPROX RADIUS) - SCREW THREADS PER ANSI B1.1 - PIPE THREADS PER ANSI B1.1 - SURFACE ROUGHNESS PER ANSI B46.1 - SURFACE ROUGHNESS ON HOLES 250 MAX

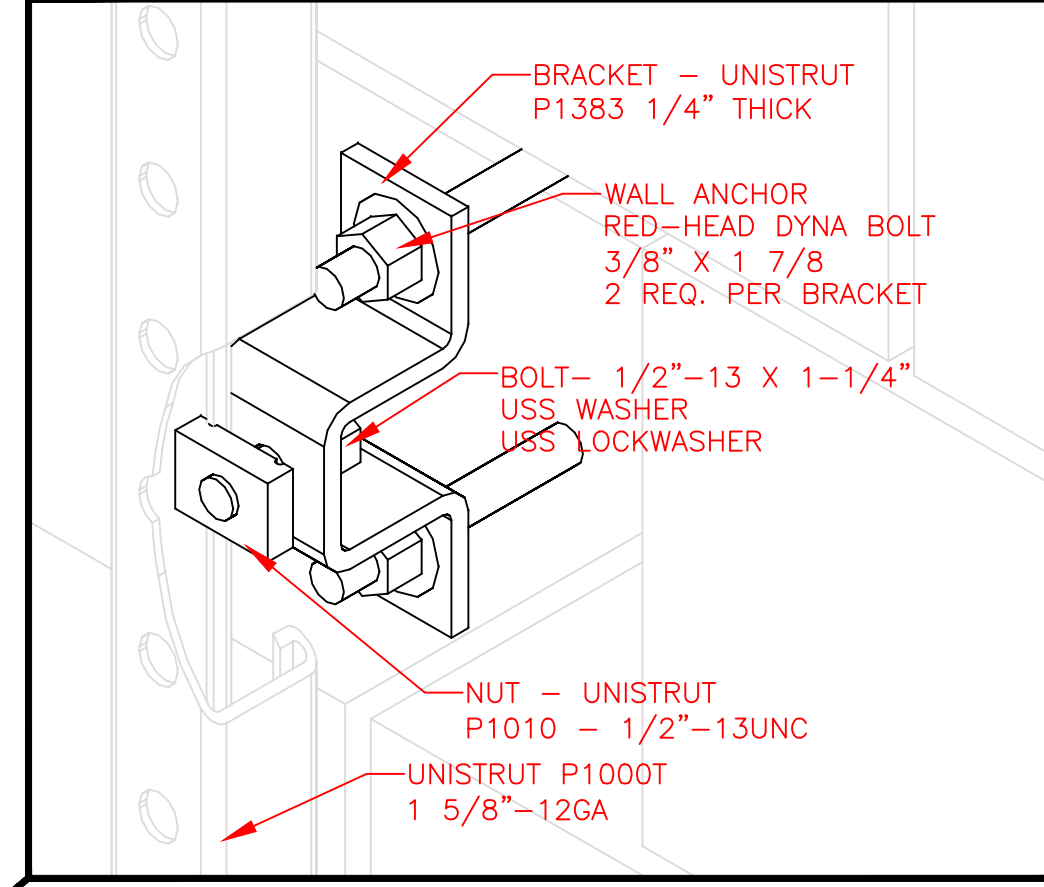


A INITIAL RELEASE		8/8/12	ERS
REV	DESCRIPTION	ECO/PCO #	DATE APPROVED
REVISIONS			
DRAWN BY C. CARR		DATE 8/8/12	
ENG. APPROVAL			
PROJECT ENG.			
ALL DIMS IN INCHES UNLESS OTHERWISE NOTED INCH [MM] 1 INCH = 25.4MM TOLERANCES EXCEPT AS NOTED		Colorado TIME SYSTEMS 1551 E. 11th. St. Loveland, CO 80537 P: (970) 667-1000 F: (970) 667-5876	
INCHES .X ± N/A .XX ± N/A .XXX ± N/A MM .X ± .XX ±		TITLE 10 LANE SWIM HG/EH/LR	
ANGLES ± 1° MATERIAL SEE BILL OF MATERIAL FINISH		DO NOT SCALE THIS DRAWING TRADE SECRET The information and data contained herein is secret and is submitted in confidence, and shall not be disclosed, used, or duplicated for any purpose whatsoever without the prior written permission of Colorado Time Systems, Inc., 1551 E. 11th Street, Loveland, Colorado, 80537. This legend shall be marked on any reproduction hereof in whole or in part. Receipt of this document shall be deemed to be an acceptance of the conditions specified herein.	
SCALE 3/4"=1'		D 10-2-1-18-006	REV A
		SHEET 1 OF 3	

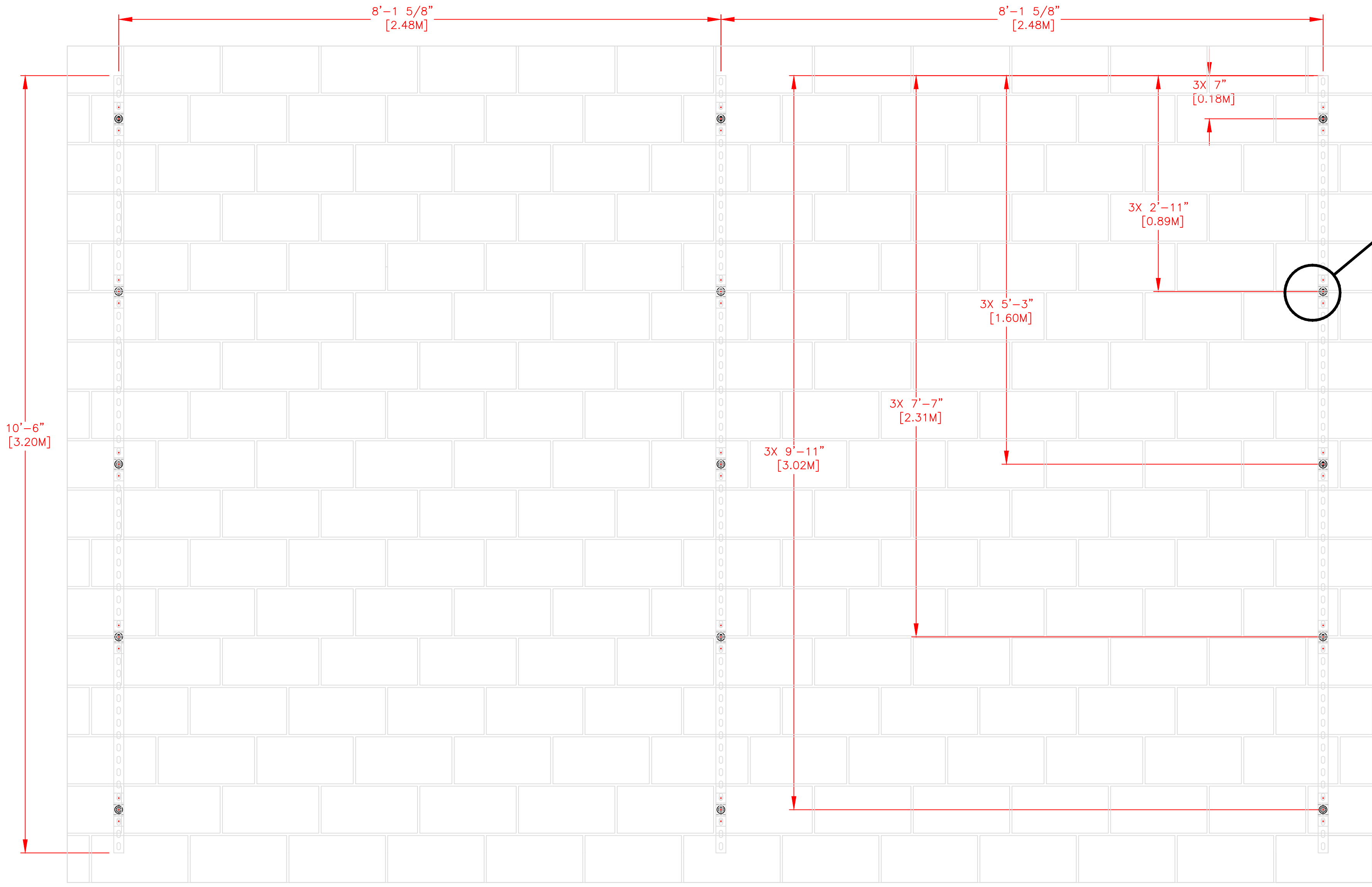
8 7 6 5 4 3 2 1

BILL OF MATERIAL

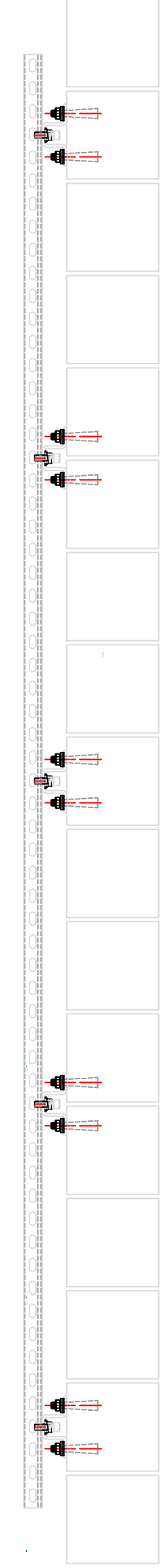
ITEM	QTY	DESCRIPTION	CTS P/N	MFG P/N
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UNISTRUT MOUNTING HARDWARE DETAIL TYPICAL 15 PLCS SCALE: 6"=1'



FRONT VIEW

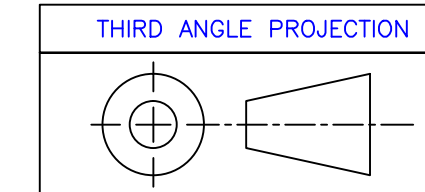


SIDE VIEW

REV	DESCRIPTION	ECO/PCO #	DATE	ERS APPROVED
A	INITIAL RELEASE		8/8/12	ERS

REVISIONS

ALL DIMS IN INCHES UNLESS OTHERWISE NOTED	DRAWN BY	C. CARR	DATE	8/8/12
INCH [MM] 1 INCH = 25.4MM	ENG. APPROVAL			
TOLERANCES EXCEPT AS NOTED	PROJECT ENG.			
INCHES	MM			
.X ± N/A	.X ±			
.XX ± N/A	.XX ±			
.XXX ± N/A				
ANGLES ± 1°				
MATERIAL	SEE BILL OF MATERIAL			
FINISH				



UNLESS OTHERWISE SPECIFIED:
 VARIATIONS IN FORM FOR UNMACHINED FEATURES ARE PERMITTED WITHIN ESTABLISHED COMMERCIAL STANDARDS. ALL EDGES AND CORNERS 0.005-0.020 (APPROX RADIUS OR CHAMFER) - ALL FILETS 0.005-0.020 (APPROX RADIUS) - SCREW THREADS PER ANSI B1.1 - PIPE THREADS PER ANSI B1.1 - SURFACE ROUGHNESS PER ANSI B46.1 - SURFACE ROUGHNESS ON HOLES 250 MAX

Colorado TIME SYSTEMS, Inc. 1551 E. 11th St. Loveland, CO 80537 P: (970) 667-1000 F: (970) 667-5876

TITLE 10 LANE SWIM STRUCTURAL DETAILS

DO NOT SCALE THIS DRAWING

TRADE SECRET

SIZE D 10-2-1-18-006

SCALE 3/4"=1'

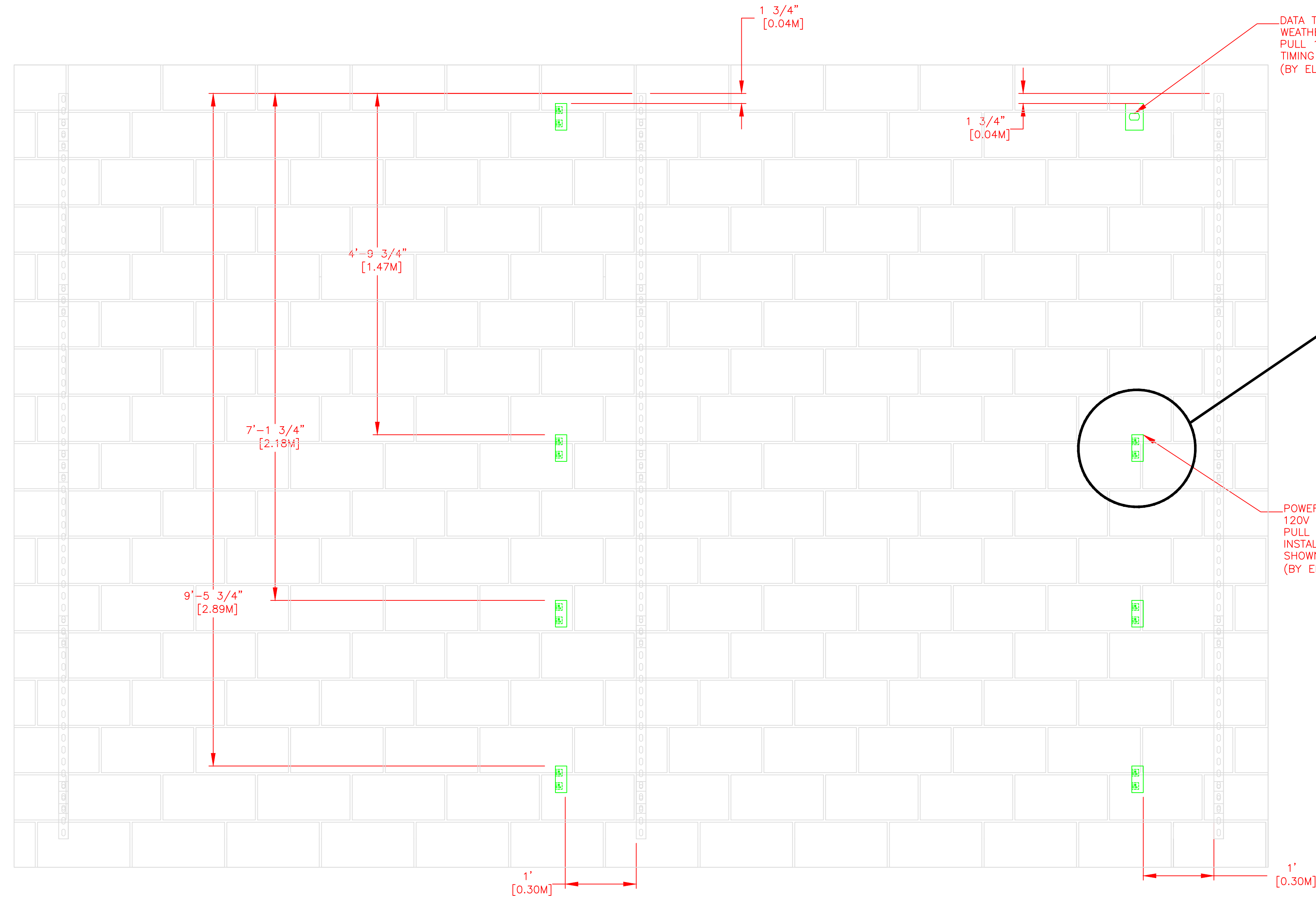
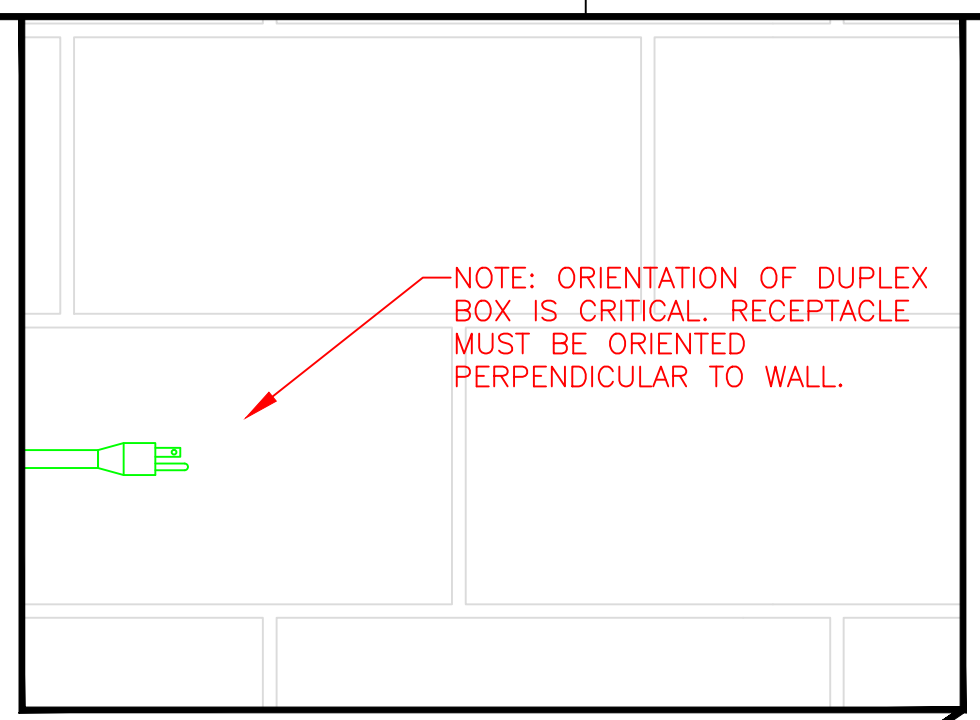
SHEET 2 OF 3

8 7 6 5 4 3 2 1

- NOTES:
1. EACH DUPLEX RECEPTACLE IS 125V, USE LEVITON #5352 OR EQUIVALENT.
 2. RECEPTACLES MUST BE IN PLACE BEFORE CTS INSTALLATION.
 3. POWER REQUIREMENTS: 120V, 1AMP PER SCOREBOARD MODULE MAXIMUM OF 16 MODULES PER 20A CIRCUIT.
 4. SINGLE GANG WALL BOX WITH BLANK PLATE FOR DATA CABLE. ONE REQUIRED PER DISPLAY.
 5. CONTROL CIRCUIT SHALL BE 125V 20A. NATIONAL ELECTRICAL CODE REQUIRES A MEANS OF DISCONNECT AT THE LOCATION OF THE SIGN. SCOREBOARD SHALL BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRIC CODE ARTICLE 600-6.

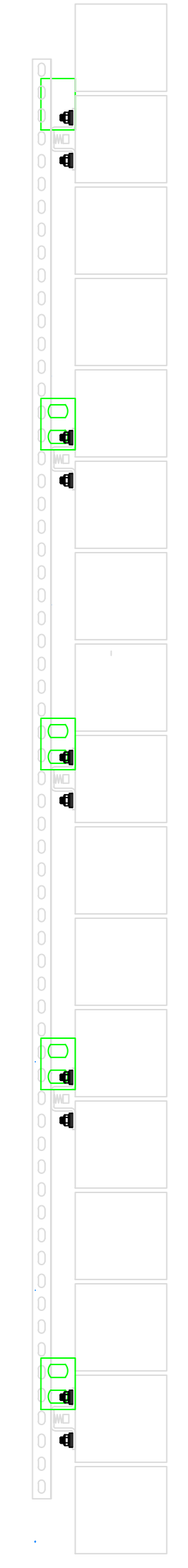
***IT IS EXTREMELY IMPORTANT THAT THE CIRCUITS USED TO POWER THE SCOREBOARD NOT BE SHARED WITH OTHER DEVICES. THE SCOREBOARD IS SENSITIVE TO "NOISE" ON THE AC POWER LINE.

BILL OF MATERIAL				
ITEM	QTY	DESCRIPTION	CTS P/N	MFG P/N



DATA TERMINATION LOCATION
WEATHER PROOF SINGLE GANG JUNCTION BOX
PULL 1 EACH 2PAIR SHIELDED 18GA CABLE FROM TIMING CONTROL AREA TO HERE.
(BY ELECTRICAL CONTRACTOR)

POWER SUPPLY:
120V 20A PLUS GROUND DEDICATED CIRCUIT
PULL FROM SERVICE DISCONNECT.
INSTALL 7ea DUPLEX BOXES AT LOCATIONS SHOWN
(BY ELECTRICAL CONTRACTOR)



SIDE VIEW

FRONT VIEW

REV	DESCRIPTION	ECO/PCO #	DATE	ERS APPROVED
A	INITIAL RELEASE		8/8/12	ERS

<p>ALL DIMS IN INCHES UNLESS OTHERWISE NOTED INCH [MM] 1 INCH = 25.4MM TOLERANCES EXCEPT AS NOTED</p> <p>INCHES .X ± N/A .XX ± N/A .XXX ± N/A MM .X ± .XX ±</p> <p>ANGLES ± 1°</p> <p>UNLESS OTHERWISE SPECIFIED: VARIATIONS IN FORM FOR UNMACHINED FEATURES ARE PERMITTED WITHIN ESTABLISHED COMMERCIAL STANDARDS. ALL EDGES AND CORNERS 0.005-0.020 (APPROX RADIUS OR CHAMFER) - ALL FILETS 0.005-0.020 (APPROX RADIUS) - SCREW THREADS PER ANSI B1.1 - PIPE THREADS PER ANSI B1.1 - SURFACE ROUGHNESS PER ANSI B46.1 - SURFACE ROUGHNESS ON HOLES 250 MAX</p>	<p>DRAWN BY C. CARR DATE 8/8/12</p> <p>ENG. APPROVAL</p> <p>PROJECT ENG.</p> <p>DO NOT SCALE THIS DRAWING</p> <p>TRADE SECRET</p> <p>THE INFORMATION AND DATA CONTAINED HEREIN IS SECRET AND IS TO BE KEPT IN CONFIDENCE, AND SHALL NOT BE DISCLOSED, USED, OR REPRODUCED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF Colorado Time Systems, Inc., 1551 E. 11th Street, Loveland, Colorado, 80537. This legend shall be marked on any reproduction hereof in whole or in part. Receipt of this document shall be deemed to be an acceptance of the conditions specified herein.</p>	<p>1551 E. 11th St. Loveland, CO 80537 P: (970) 667-1000 F: (970) 667-5876</p> <p>Colorado TIME SYSTEMS</p> <p>TITLE 10 LANE SWIM ELECTRICAL DETAILS</p> <p>NEXT ASSEMBLY</p> <p>SIZE D 10-2-1-18-006 A</p> <p>SCALE 3/4"=1'</p> <p>SHEET 3 OF 3</p>
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