

Modules will install in order from module number 1 in increasing order until the last module. Review module cable connection on page 8.

STAX Boost Power Continuation Cable found in (Yellow Labeled Bag). Required after each 12th consecutive module per display face. Review Boost Power Cable Continuation connection on page 8.

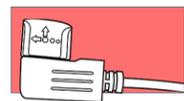
STAX Controller Cable Kit found in (Red Labeled Bag). One cable kit per display face. Includes one Primary Controller Power Cable and one 1st Module Power/Data Cable

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

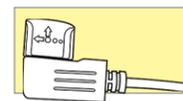
All components are auto switching between 120 and 240 Volts. Maximum Amperage per lead: 16 Amps @120V. Multiple leads can be connected together and share a breaker. Multiple circuits may share the same neutrals. Display electrical requirements per face are shown below. 9.5mm values are 6% less. Follow your local NEC Codes & regulations.

295	294	267	266	239	238	211	210	183	182	155	154	127	126	99	98	71	70	43	42	15	14
296	293	268	265	240	237	212	209	184	181	156	153	128	125	100	97	72	69	44	41	16	13
297	292	269	264	241	236	213	208	185	180	157	152	129	124	101	96	73	68	45	40	17	12
298	291	270	263	242	235	214	207	186	179	158	151	130	123	102	95	74	67	46	39	18	11
299	290	271	262	243	234	215	206	187	178	159	150	131	122	103	94	75	66	47	38	19	10
300	289	272	261	244	233	216	205	188	177	160	149	132	121	104	93	76	65	48	37	20	9
301	288	273	260	245	232	217	204	189	176	161	148	133	120	105	92	77	64	49	36	21	8
302	287	274	259	246	231	218	203	190	175	162	147	134	119	106	91	78	63	50	35	22	7
303	286	275	258	247	230	219	202	191	174	163	146	135	118	107	90	79	62	51	34	23	6
304	285	276	257	248	229	220	201	192	173	164	145	136	117	108	89	80	61	52	33	24	5
305	284	277	256	249	228	221	200	193	172	165	144	137	116	109	88	81	60	53	32	25	4
306	283	278	255	250	227	222	199	194	171	166	143	138	115	110	87	82	59	54	31	26	3
307	282	279	254	251	226	223	198	195	170	167	142	139	114	111	86	83	58	55	30	27	2
308	281	280	253	252	225	224	197	196	169	168	141	140	113	112	85	84	57	56	29	28	1

## PRIMARY DISPLAY FRONTVIEW



TYP. (1)  
1st Module Power/Data Cable must be connected to first module and to STAX Controller



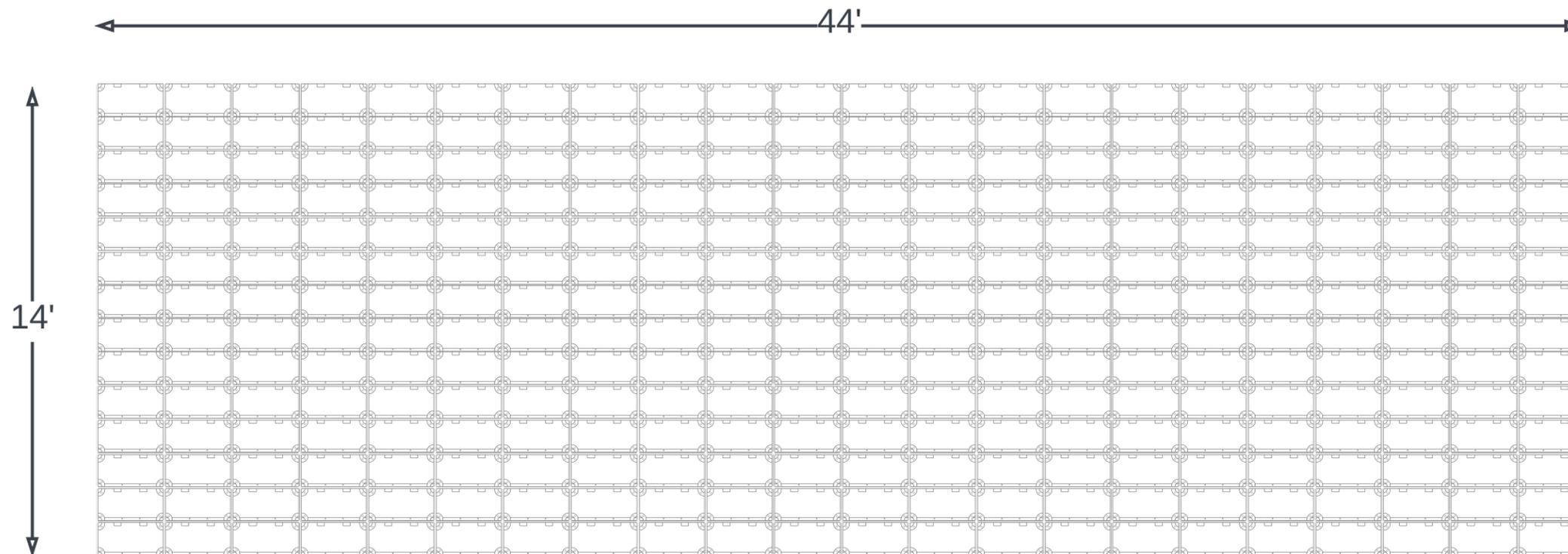
TYP. (25)  
STAX Boost Power Continuation Cable required (at maximum) after each 12th consecutive module per display face.

Additional displays of the same size will be configured identically. Unique installations of size and location may require additional engineering discussion with Next.



Product Conforms to  
UL STD. 48,  
UL STD. 62368-1, &  
CSA STD. C22.2 NO.  
62368\*1

Circuit	Modules	Maximum Watts	Average Watts	Maximum Amps@120V	Maximum Amps@208V	Maximum Amps@240V
1	1 - 24	1872	992	15.6	9.0	7.8
2	25-48	1872	992	15.6	9.0	7.8
3	49-72	1872	992	15.6	9.0	7.8
4	73-96	1872	992	15.6	9.0	7.8
5	97-120	1872	992	15.6	9.0	7.8
6	121-144	1872	992	15.6	9.0	7.8
7	145-168	1872	992	15.6	9.0	7.8
8	169-192	1872	992	15.6	9.0	7.8
9	193-216	1872	992	15.6	9.0	7.8
10	217-240	1872	992	15.6	9.0	7.8
11	241-264	1872	992	15.6	9.0	7.8
12	265-288	1872	992	15.6	9.0	7.8
13	289-308	1560	827	13.0	7.5	6.5
TOTAL	308	24024	12733	200.2	115.5	100.1

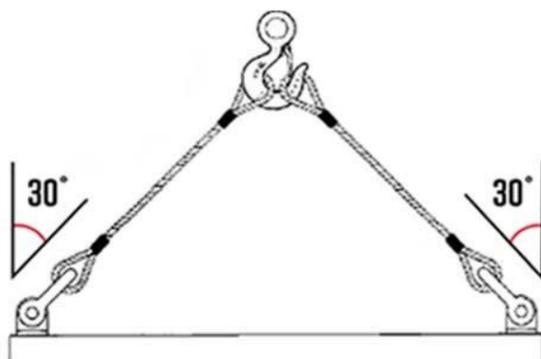


The display can be assembled with 2'x4' frames and 1'x2' frames. All frames are interchangeable. If desired, displays can use all 1'x2' frames.

Part Description	Part Weight (lbs)
1' x 2' 6.3MM / 9.5MM STAX LED DISPLAY MODULE	8.8
1' x 2' STAX LED DISPLAY FRAME	5.25
1' x 2' STAX LED DISPLAY FRAME DOOR	2.1
2' x 4' STAX LED DISPLAY FRAME	11.25
2' x 4' STAX LED DISPLAY FRAME DOOR	4.5
STAX PC CONTROLLER	9.6

Maximum weight shown shows total display weight using only 1'x2' frames and frame doors. Actual weight may be less and will be represented on the quote number purchased. Contact Next for any questions regarding dependencies

## PRIMARY DISPLAY REARVIEW



### SHACKLE ATTACHMENT

The shackle cables should connect to the lifting pins at an angle of 30 degrees or less to prevent damage to the cabinet frame. Spreader bar should be used when three or more lifting pins are required per face. Must lift final assembled sign with a minimum of two lifting points. Determine total number of lifting points with a 330 maximum lbs per lifting pin.

Display Face	Maximum Weight (lbs) Including Frame Doors	Maximum (lbs) Per Lifting Pin	Number of Pins Per Face
1	5621	330	18
2	11242	N/A	N/A

## LAUNCH INSTRUCTIONS

1. Assemble all frames and modules per installation instructions on page 1.
2. After all modules have been assembled, connect the controller to the first module of the display face with the 1st Module Power/Data cable found in the RED labeled cable kit bag. You will use one cable for the primary display and one cable for the secondary display. Primary power [A] is connected to primary display output [C] and secondary power [B] is connected to secondary display output [D].
3. Connect the controller primary power to a power source with the power cable found in the RED labeled kit bag.
4. Power-up the primary power source for the controller box. On initial powerup the successful sequence on the display will appear as:
  - 1) Flash of light
  - 2) Black screen
  - 3) Blue screen
  - 4) Logo screen
  - 5) Black screen
5. Contact Next (833-474-STAX) for final configuration and software connection. We will remotely work with your technician and configure the display in under 10 minutes.



Each display face requires a controller cable kit consisting of one primary power cable and one display connection cable.

Each primary power connection is an independent circuit. For smaller displays, the Primary and Secondary display power connection can share a circuit. Confirm loads and all electrical details prior to installation.

Cellular Antenna, with mounting bracket, is included and ready for installation. Light Sensor, with mounting bracket, is included and ready for installation. They are connected through Input [E].

Lifetime installation support and software training are available prior to, during, and after the installation of display.

Mounting brackets and screws are included. There are multiple bracket installation positions available. Not all are required to be used. Do not puncture or modify the control box without approval from Next.

For installations requiring direct Cat5e connections or wireless point to point antennas, please contact Next to confirm parts and installation method.

PIXEL PITCH	PIXEL HEIGHT	PIXEL WIDTH
6mm	672	2112
9mm	448	1408



# PARTS AND PACKAGING

PARTS LIST				
PART NUMBER	PART DESCRIPTION	QUANTITY REQUIREMENTS	SINGLE FACE	DOUBLE FACE
1701-MODULE / 1700-MODULE	1' x 2' 6.3MM / 9.5MM STAX LED DISPLAY MODULE		308	616
3700-CONTROL	STAX LED DISPLAY CONTROLLER	1 PER DOUBLE FACE DISPLAY	1	1
1780-CONTROL	STAX CONTROLLER CABLE KIT	1 PER FACE	1	1
1772-MODULE	STAX BOOST POWER CONTINUATION CABLE	1 PER EACH 12 MODS STARTING AT 13	25	50
0712-CABINET	STAX CONTROLLER MOUNTING PLATE	1 PER STAX CONTROLLER	1	1

CRATE PACKAGING				
PART NUMBER	PART DESCRIPTION	QUANTITY PER CRATE	CRATE SIZE WxLxH (In)	CBM
1701-MODULE/ 1700-MODULE	1' x 2' 6.3MM / 9.5MM STAX LED DISPLAY MODULE	12	29x27x27	.41
0770-CABINET	1' x 2' STAX LED DISPLAY FRAME	12	29x27x27	.41
0771-CABINET	1' x 2' STAX LED DISPLAY FRAME DOOR	40	35x25x28	.75
0772-CABINET	2' x 4' STAX LED DISPLAY FRAME	6	51x28x31	.40
0773-CABINET	2' x 4' STAX LED DISPLAY FRAME DOORS	25	46x25x28	.54

AND

OPTION 1: MIXED FRAME ASSEMBLY				
PART NUMBER	PART DESCRIPTION	QUANTITY REQUIREMENTS	SINGLE FACE	DOUBLE FACE
0770-CABINET	1' x 2' STAX LED DISPLAY FRAME	1 FRAME SUPPORTS 1 MODULE	0	0
0771-CABINET	1' x 2' STAX LED DISPLAY FRAME DOOR	1 DOOR PER FRAME	0	0
0772-CABINET	2' x 4' STAX LED DISPLAY FRAME	1 FRAME SUPPORTS 4 MODULES	77	154
0773-CABINET	2' x 4' STAX LED DISPLAY FRAME DOOR	2 DOORS PER FRAME	154	308

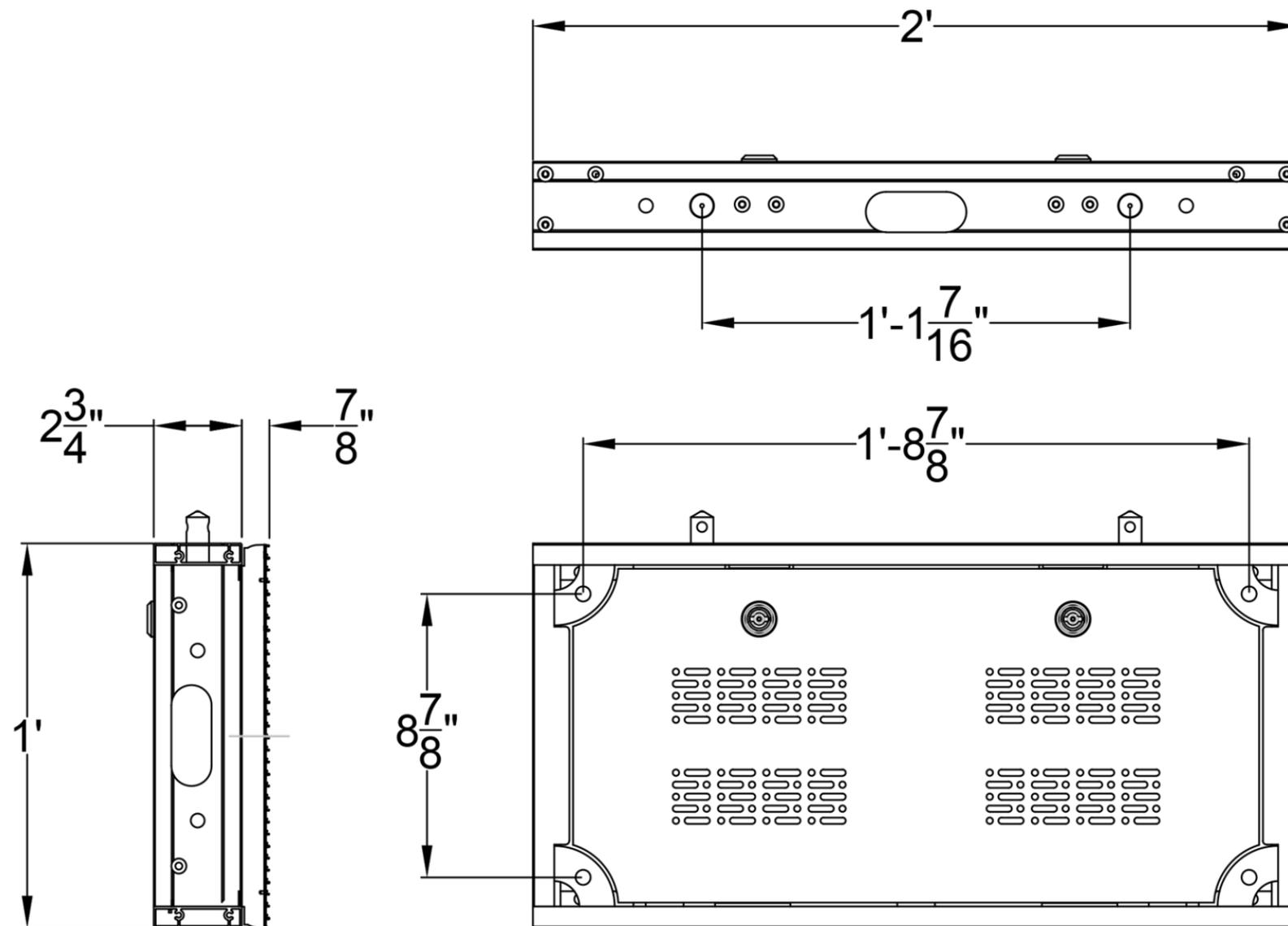
OR

OPTION 2: SINGLE FRAME ONLY ASSEMBLY				
PART NUMBER	PART DESCRIPTION	QUANTITY REQUIREMENTS	SINGLE FACE	DOUBLE FACE
0770-CABINET	1' x 2' STAX LED DISPLAY FRAME	1 FRAME SUPPORTS 1 MODULE	308	616
0771-CABINET	1' x 2' STAX LED DISPLAY FRAME DOOR	1 DOOR PER FRAME	308	616
0772-CABINET	2' x 4' STAX LED DISPLAY FRAME	1 FRAME SUPPORTS 4 MODULES	0	0
0773-CABINET	2' x 4' STAX LED DISPLAY FRAME DOOR	2 DOORS PER FRAME	0	0

# 1' X 2' MODULE FRAME

The display can be assembled with 2'x4' frames and 1'x2' frames. All frames are interchangeable. If desired, displays can use all 1'x2' frames.

Four hole frame steel connection plates are not required for assembly and provided for flexibility in installation solutions.



PARTS INCLUDED WITH EACH FRAME	
PART	QUANTITY
12mm Bolts	6
12mm washers	4
12mm nuts	4
Four hole frame steel connection plates	1

RECOMMENDED TOOLS FOR ASSEMBLY	
PART	
Impact Drill	
19mm Socket	
19mm Wrench	
Allen Wrench Tool (Provided in Controller Box)	

# 2' X 4' MODULE FRAME

The display can be assembled with 2'x4' frames and 1'x2' frames. All frames are interchangeable. If desired, displays can use all 1'x2' frames.

Four hole frame steel connection frames are not required for assembly and provided for flexibility in installation solutions.



PARTS INCLUDED WITH EACH FRAME	
PART	QUANTITY
12mm Bolts	6
12mm washers	4
12mm nuts	4
Four hole frame steel connection plates	1

RECOMMENDED TOOLS FOR ASSEMBLY	
PART	
Impact Drill	
19mm Socket	
19mm Wrench	
Allen Wrench Tool (Provided in Controller Box)	

Redundancy is a special order installation that requires a custom order cable. Next supplies this cable directly to the installer separate from traditional product orders.

When redundancy is utilized it requires the primary and secondary displays to be configured using only one 1st Module Power/Data Cable connected to the primary display. The secondary display will be connected in series with a Boost Power Connection Cable from the last module of the primary display to the first module of the secondary display.

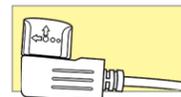
The Redundancy Cable will be connected to the last module on the secondary display, or primary display if there is only one face.

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308	281	280	253	252	225	224	197	196	169	168	141	140	113	112	85	84	57	56	29	28	1

## PRIMARY DISPLAY FRONTVIEW



TYP. (1)  
1st Module Power/Data Cable must be connected to first module and to STAX Controller



TYP. (25)  
STAX Boost Power Continuation Cable required (at maximum) after each 12th consecutive module per display face.



TYP. (1)  
Redundancy Data Cable, to be connected from the last module, to sending card port 2 within the control box.

PIXEL PITCH	REDUNDANCY MAXIMUM NUMBER OF MODULES
6mm	336
9mm	168

If the display exceeds the maximum number of modules for use of redundancy contact Next for assistance in additional equipment and setup. May require additional equipment not previously quoted.



Quantity of boost power cables will vary depending on total number of modules in the display. Some installations can use a Boost Power Continuation Cable before the 12th module. Refer to specific display schematics on page 1 for recommended installation.



STAX Boost Power Continuation Cable found in (Yellow Labeled bag). Required after each 12th consecutive module (Maximum) per display face.

Boost power cable lead can be combined with other leads to primary power. Electrical schedule can be found on page 1.



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# PROJECT DETAIL

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