LDI SHOW 2019
BROADWEIGH TRUSS STRUCTURE-BOOTH
2125 LAS VEGAS CONVENTION CENTER
NOVEMBER 22-24, 2019

GENERAL STRUCTURAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES AND/OR INCONSISTENCIES WITH ANY OF THE WORK INVOLVED.

2. THE CONTRACT STRUCTURAL DOCUMENTS REPRESENT THE FINISHED STRUCTURE, UNLESS INDICATED OTHERWISE. THE CONTRACTOR IS RESPONSIBLE FOR METHOD OF CONSTRUCTION AND IS RESPONSIBLE FOR THE SAFETY OF WORKERS, AND PROTECTION OF EXISTING STRUCTURES.

3. IN THE EVENT OF DISCREPANCY BETWEEN ANY PROVISION OF THESE DOCUMENTS, DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY.

CODE REFERENCE AND DESIGN CRITERIA

THE FOLLOWING CODES AND REFERENCES WERE USED FOR THIS PROJECT:

1. 2018 INTERNATIONAL BUILDING CODE
2. ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND STRUCTURES
3. ASCE 37-14 DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION
4. ALUMINUM ASSOCIATION ALUMINUM DESIGN MANUAL 2015
5. AISC STEEL CONSTRUCTION MANUAL 13TH ED.
6. ANSI E1.21-2013 ENTERTAINMENT TECHNOLOGY-TEMPORARY STRUCTURES USED FOR TECHNICAL PRODUCTION OF OUTDOOR ENTERTAINMENT EVENTS

TEMPORARY STRUCTURE - INSTALLATION DURATION < 14 DAYS

DESIGN CRITERIA

DEAD

BALLAST	6,000 LBS
MEDIUM DUTY TRUSS	9 LBS/FT
LIGHT DUTY TRUSS	6 LBS/FT

ALLOWABLE BEARING PRESSURE ASSUMED TO BE 1,000 PSF.

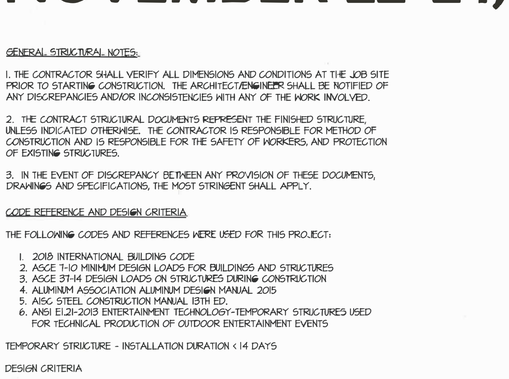
ALL ALUMINUM SECTIONS ARE 6061-T6
ALL STEEL ROLLED W - SECTIONS ARE A992, ALL OTHERS ARE A36
HSS SECTIONS ARE A500 GR. B
ALL PIPE SECTIONS ARE A53 GR. B
ALL WIRE ROPE SLINGS ARE 6x19 IWRC IMPROVED PLOW OR BETTER
ALL FASTENERS ARE GR. 5, CONNECTING PINS ARE STRESSPROOF

MEDIUM DUTY TRUSS

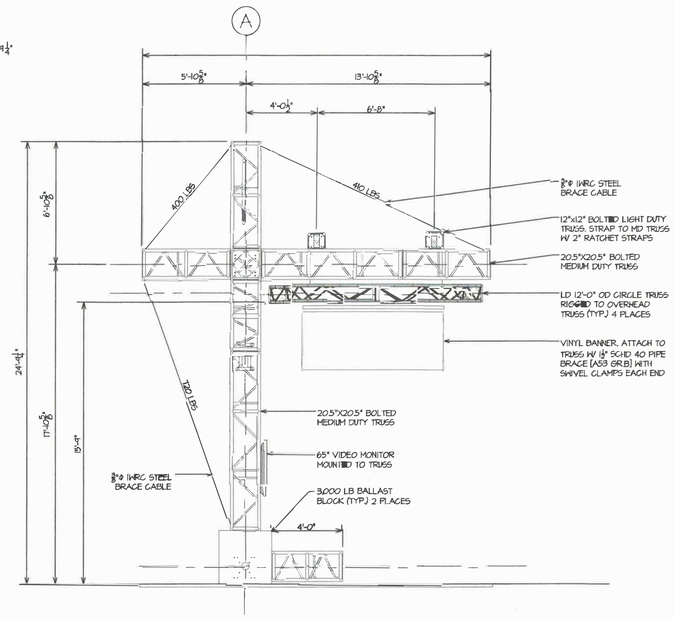
5 MD TRUSS
SCALE: 3/4" = 1'-0"

LIGHT DUTY TRUSS

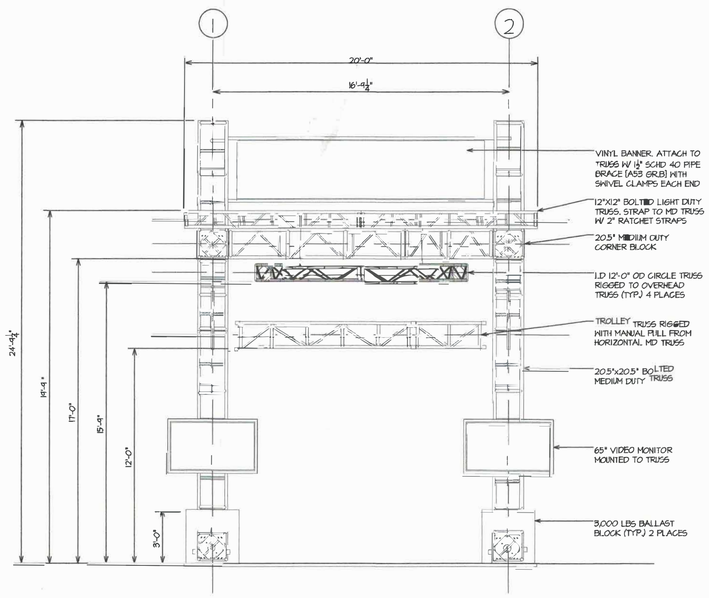
4 LD TRUSS
SCALE: 3/4" = 1'-0"



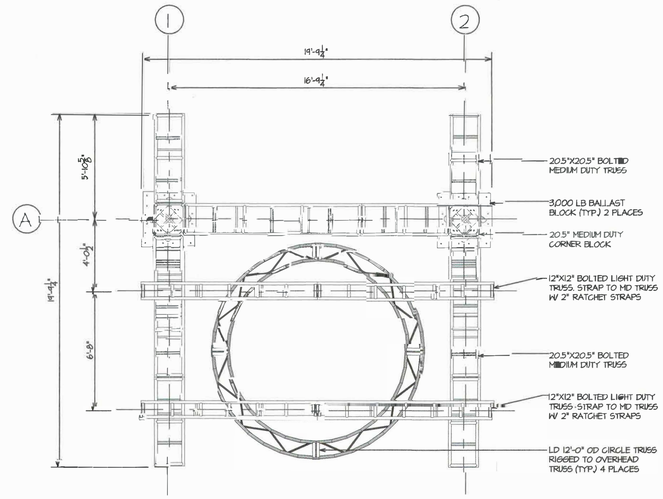
3 PROJECT LOCATION
SCALE: NTS



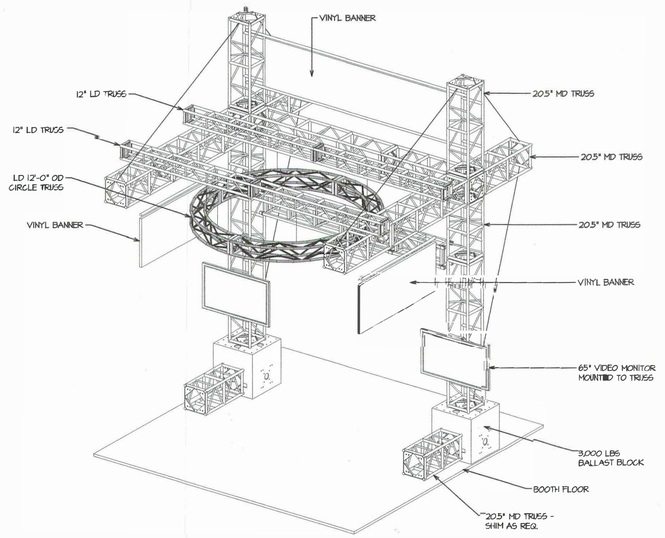
7 SIDE ELEVATION
SCALE: 1/4" = 1'-0"



6 FRONT ELEVATION
SCALE: 1/4" = 1'-0"



2 STRUCTURE PLAN
SCALE: 1/4" = 1'-0"



1 STRUCTURE AXON
SCALE: NTS

plot date: 11/5/19 file path: e:\theta consulting\current projects\vsg-1902 ldi tniss structure\drawings

CASSIDYRIC TRUSS STRUCTURE

LDI SHOW 2019
LAS VEGAS CONVENTION CENTER
NOVEMBER 22-24, 2019

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PO BOX 1804 DOYLESTOWN PA 18901
(215) 340-0803 THETA-CONSULTING.COM

PROFESSIONAL ENGINEER - STATE OF MEMBER - TIMOTHY C. FRANKLIN - EXP. 6.30.2021 - STRUCTURAL - PENNSYLVANIA NO. 020208

15 NOV 19

Timothy Franklin
Digitally signed by Timothy Franklin
DN: c=US, st=Pennsylvania, l=Doylestown, o=Theta Consulting LLC, cn=Timothy Franklin, email=tfranklin@theta-consulting.com
Date: 2019.11.15 19:32:48 -05'00'

REVISIONS

No.	DATE	REMARKS

TITLE: TRUSS STRUCTURE PLANS AND ELEVATION
DATE: 12 NOVEMBER 2019
SCALE: AS NOTED

DRAWING NO.

S100

PROJECT NO.
CSC-1902