

Customer: Child Crisis of AZ Contact: Jacob Proud
 Project: New Play Area System: PlayBuilder- REVISED
 Address: 817 Country Club Location: Mesa, AZ
 Project Number: Option 4 Date: 7-6-18 Drawn By: Tim Nolan



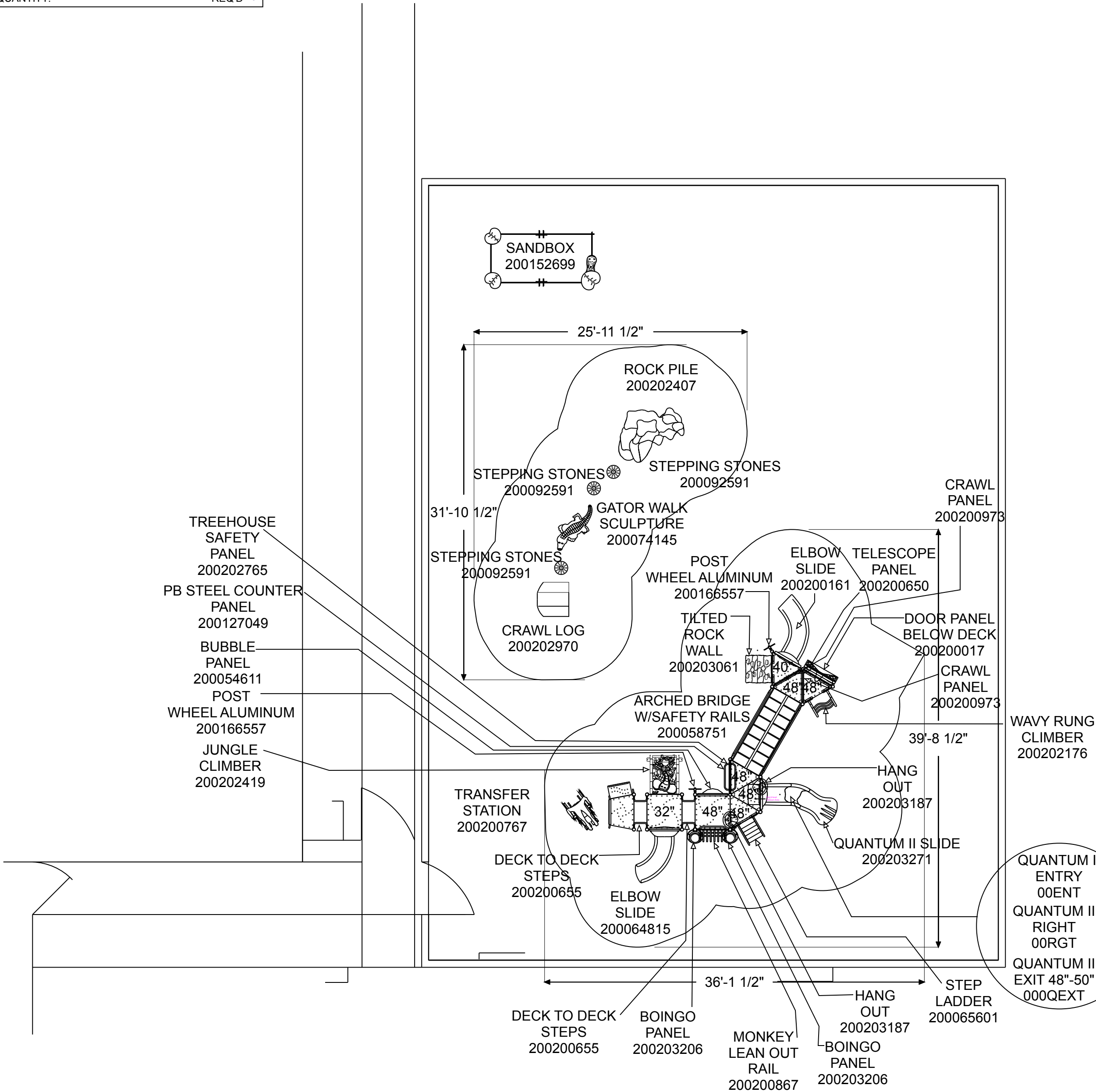
General Notes:

Age Group

☒ 2-5yrs ☐ 5-12 yrs ☐ 2-12yrs ☐ 13+ yrs

1. The Americans with Disabilities Act (ADA) may require that you make your park and/or playground accessible when viewed in its entirety. Please consult your legal counsel to determine if the ADA applies to you.
2. For playground equipment to be considered accessible, accessible surfacing must be utilized in applicable areas.
3. Although a particular playground design may not meet the proposed Access Board Regulations in regards to the appropriate number of ground level events, the actual playground may be in compliance when considering existing play components.
4. All deck heights are measured from top of ground cover.
5. Fall absorbing ground cover is required under and around all play equipment.
6. The minimum recommended fall zone around the entire playstructure is shown. This zone is to be free of all tripping or collision hazards (i.e. roots, rocks, border material, etc.).
7. All post lengths are identified by text showing the post lengths, i.e. 96 represents a 96 inch post.
8. Not all equipment may be appropriate for all children. Supervision is required.

AGE GROUP: 2-5
ELEVATED PLAY ACTIVITIES - TOTAL: 9
ELEVATED PLAY ACTIVITIES ACESIBLE BY TRANSFER: 0 REQ'D 5
ELEVATED PLAY ACTIVITIES ACESIBLE BY RAMP: 0 REQ'D 0
GROUND LEVEL ACTIVITY TYPE: 8 REQ'D 3
GROUND LEVEL QUANTITY: 14 REQ'D 3



Playground Layout Compliance:

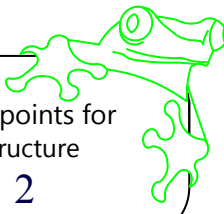
- ☒ ASTM F1487 - Playground Equipment for Public Use.
- ☒ CPSC Handbook for Public Playground Safety

☒ This playground design meets the final Access Board Regulations.



The play components identified in this plan are IPEMA certified. The use and layout of these components conform to the requirements of ASTM F1487.

LEED points for this structure
2



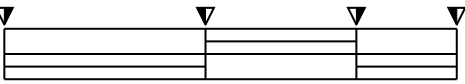
ARIZONA RECREATION DESIGN, INC.

Project: New Playground Expansion
Mesa, AZ
LTCPS rep:
Tim Nolan
AZ REC DESIGN
(480) 788-3177

Ground Space: 29'-0" x 46'-0"
Protective Area: 43'-0" x 57'-6"

Drawn by: Tim Nolan
Date: 7/5/2018
DWG Name: R0311_43286587010

LTCPS - Farmington
878 East Highway 60
Monett, Missouri 65708
Voice: 1-800-325-8828
Fax: 417-354-2273



Front View



Right Side View



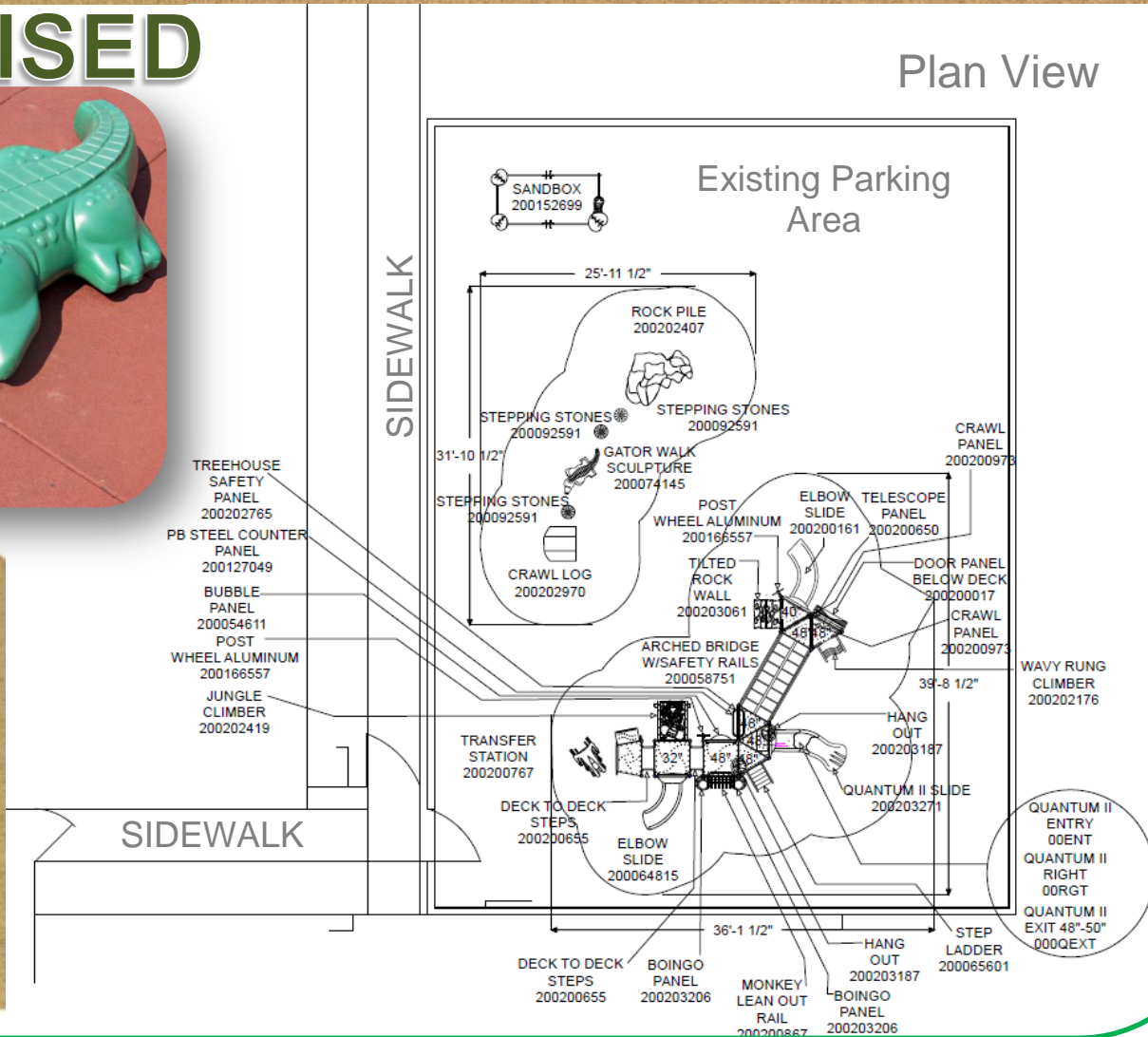
Child Crisis Option # 2 REVISED

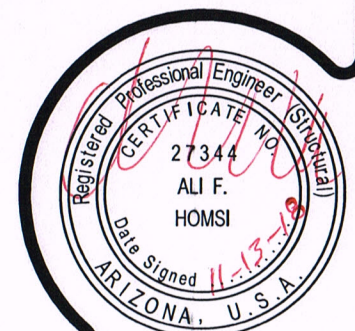
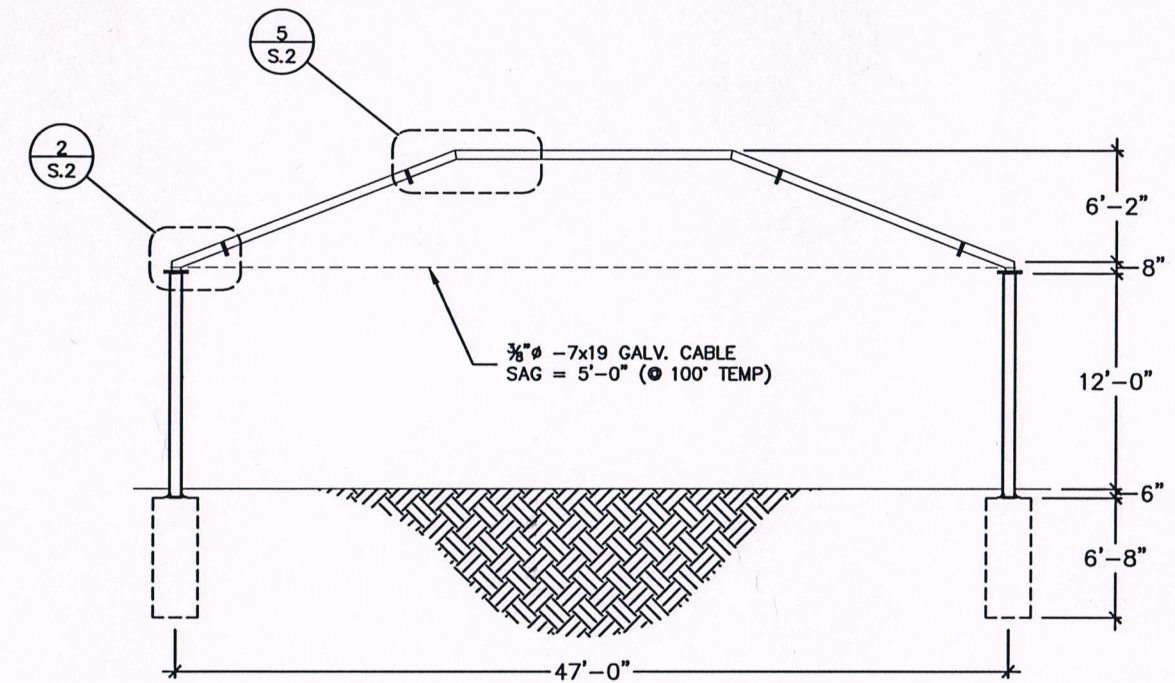
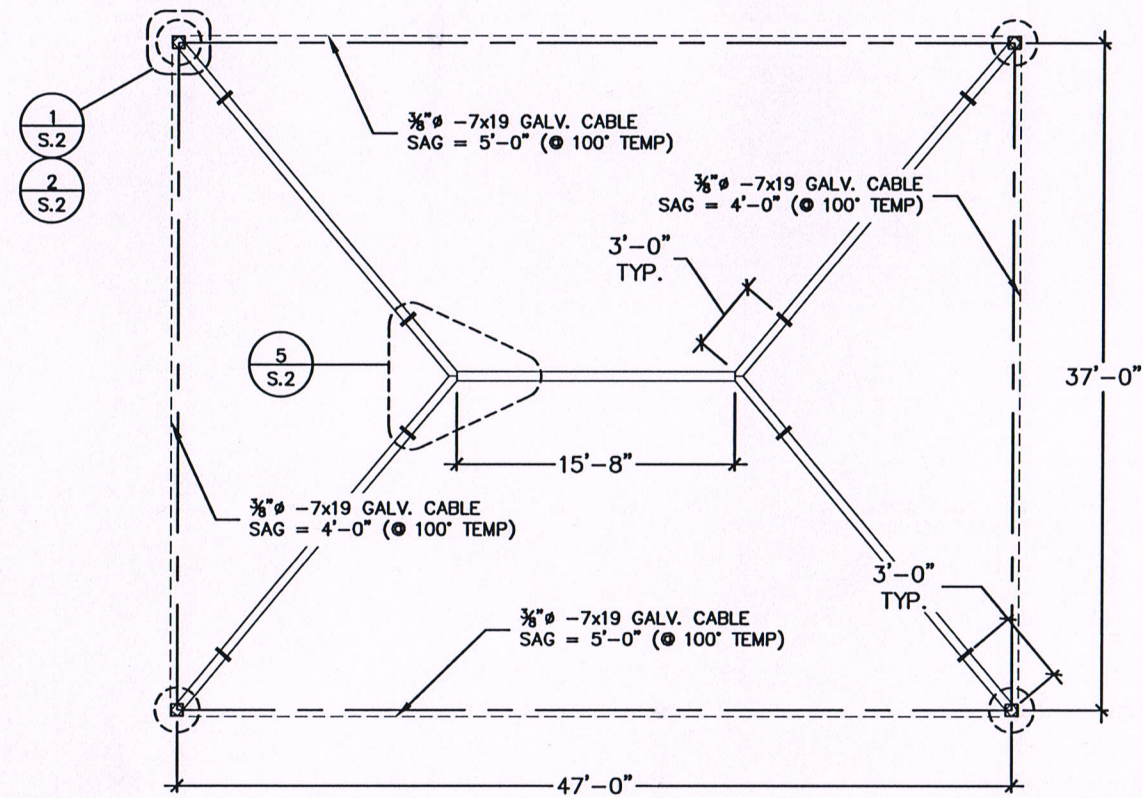


Rear View



Plan View





EXPIRES: 9-30-2020

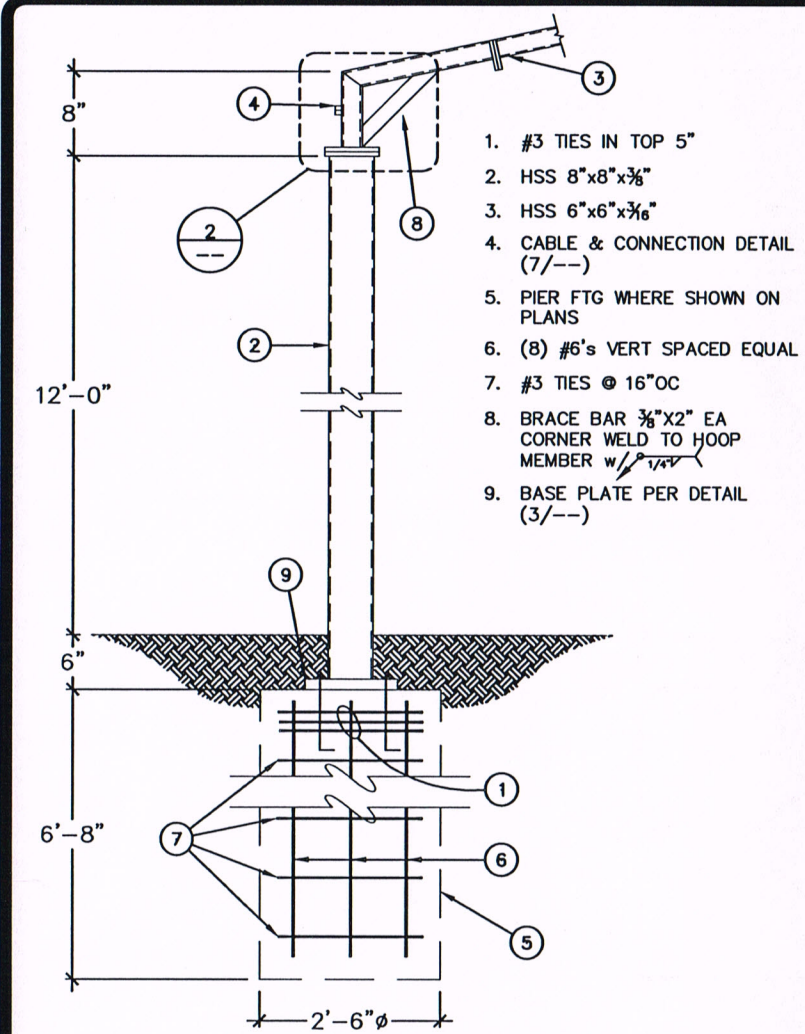
REVISION	DATE

This drawing is the property of Homsi & Associates and is limited to the original use for which it was prepared. Changes, reproduction, or assigning to any third party of this drawing for any other use is not permitted without written consent of Homsi & Associates © 2018

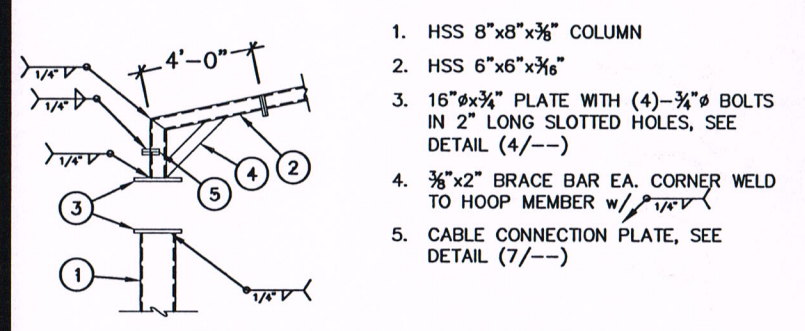
SHADE N' NET
HIP SHADE STRUCTURE
for
CHILD CRISIS AZ
817 N. COUNTRY CLUB
MESA, AZ 85201

HASE
HOMSI & ASSOCIATES
STRUCTURAL ENGINEERS
2001 East University Dr. Tempe, Arizona 85281
Phone #: (480) 448-8200 Fax #: (480) 448-7373

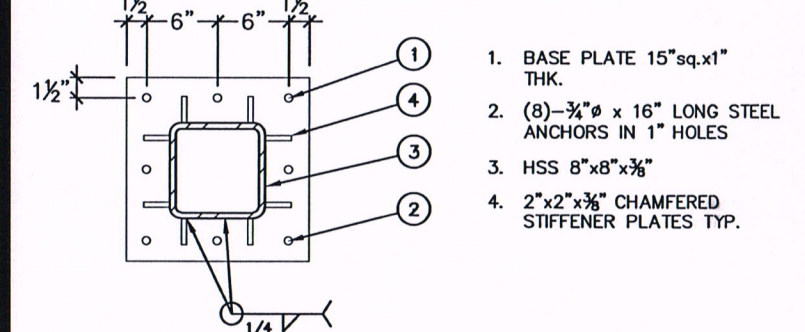
DRAWN	A.N.
CHECKED	A.F.H.
DATE	11-13-18
SCALE	N. T. S.
JOB NO.	18128
SHEET NO.	S.1



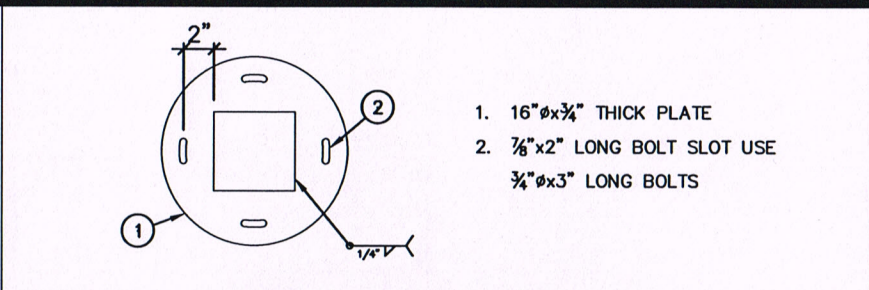
1 TYPICAL FRAME ELEVATION



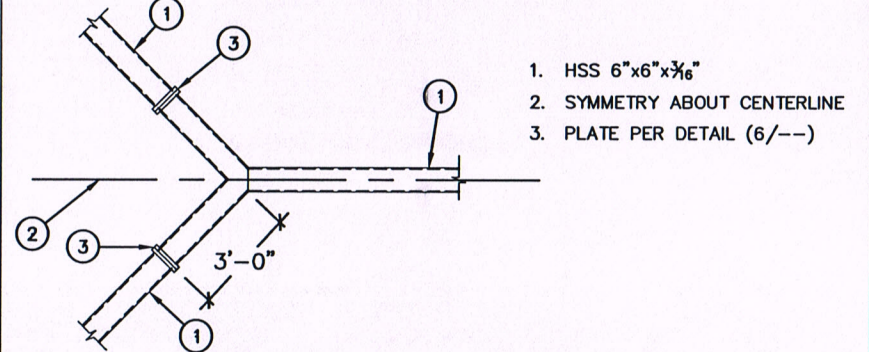
2 HOOP & CABLE TO COLUMN CONN.



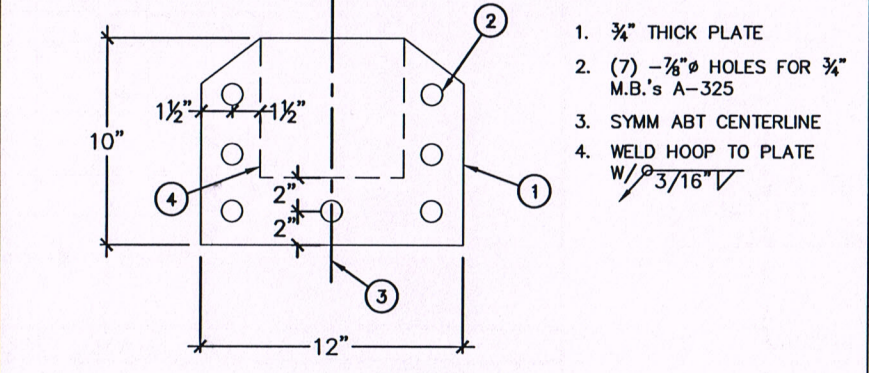
3 BASE PLATE



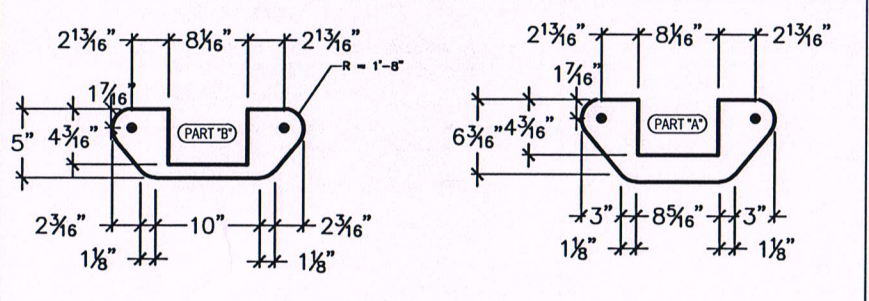
4 HOOP TO COLUMN PLATE



5 RIDGE TO HIP CONNECTION



6 CONNECTION PLATE



7 CABLE PULLY PLATE

8 NOT USED

GENERAL STRUCTURAL NOTES

APPLY UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS IN CASE OF CONFLICT GREATER REQUIREMENTS GOVERN

CODE:
2012 INTERNATIONAL BUILDING CODE
ASCE 7-10

SOIL PROFILE TYPE:
SOIL PROFILE TYPE (TABLE 1806.2 & SECTION 1806.3.4 OF THE IBC)
CLASS 4 (CLAYEY SAND)

FOUNDATION:
FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED SOIL AT DEPTH SHOWN ON DETAILS. ALLOWABLE SOIL BEARING 1500 PSF, ALLOWABLE LATERAL BEARING 300 PSF

REINFORCING:
ASTM STANDARD A-615, GRADE 60 U.N.O. ON PLANS. CRSI AND ACI MANUALS APPLY. CLEAR CONCRETE COVERAGE PER DETAILS. LAP SPLICES IN MASONRY 48 DIAMETERS, LAP SPLICES IN CONCRETE 32 DIAMETERS.

STRUCTURAL STEEL:
ASTM STANDARD A-36 EXCEPT AS FOLLOWS:
BOLTS AND PLAIN ANCHORS ASTM-A307, ASTM-F1554-36.

TUBE STEEL: ASTM A-500 GRADE B
PIPE STEEL: ASTM A53 GRADE B
PLATE STEEL: ASTM A572 (50)
STANDARD CABLE WITH ZINC COATING: CLASS A, MINIMUM TENSILE STRENGTH EQUALS 200 KSI

WELDING:
PER AMERICAN WELDING SOCIETY CODES AND RECOMMENDATIONS ALL WELDING SHALL BE BY CERTIFIED WELDERS. WELDING RODS TO BE LOW HYDROGEN TYPE E70. ALL WELD IN SHOP

CONCRETE:
3000 PSI (BASED ON 2500 PSI DESIGN)

LOADS:
115 MPH WIND EXPOSURE C
WIND: WINDWARD 16 PSF
LEEWARD 6 PSF
UPLIFT 12 PSF
DEAD LOAD: 1 PSF
LIVE LOAD: 5 PSF
PER SECTION 1607.11.4



REVISION	DATE

This drawing is the property of Homsi & Associates and is limited to the original use for which it was prepared. Changes, reproduction, or assigning to any third party of this drawing for any other use is not permitted without written consent of Homsi & Associates © 2018

SHADE N' NET
HIP SHADE STRUCTURE
for
CHILD CRISIS AZ
817 N. COUNTRY CLUB
MESA, AZ 85201

HASE
HOMSI & ASSOCIATES
STRUCTURAL ENGINEERS
2001 East University Dr. Tempe, Arizona 85281
Phone #: (480) 446-8200 Fax #: (480) 446-7873

DRAWN	A.N.
CHECKED	A.F.H.
DATE	11-13-18
SCALE	N.T.S.
JOB NO.	18128
SHEET NO.	S.2