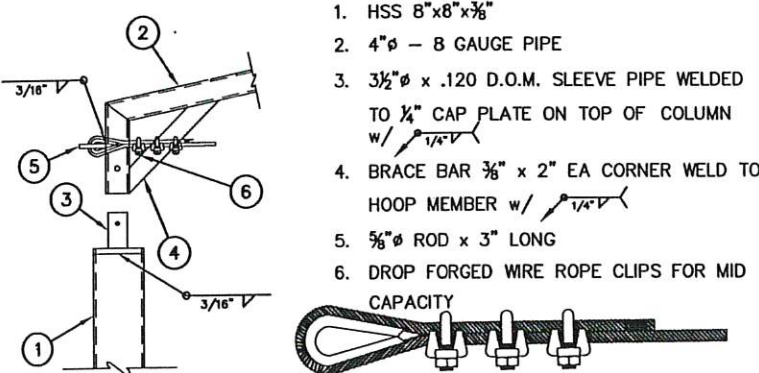


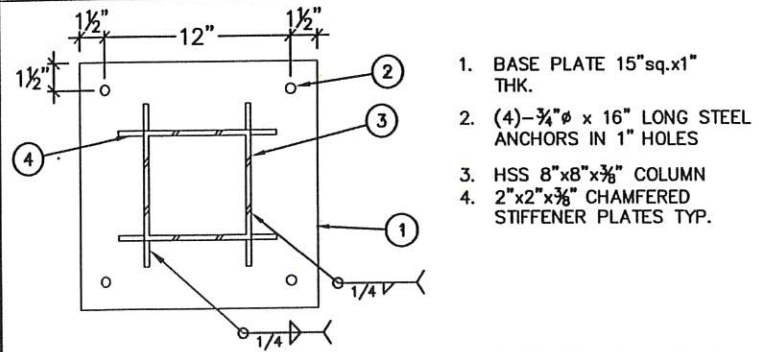
1. #3 TIES IN TOP 5"
2. HSS 8"x8"x $\frac{3}{8}$ "
3. 4"  $\phi$  - 8 GAUGE PIPE
4. CABLE & CONNECTION DETAIL (2/--)
5. PIER FTG WHERE SHOWN ON PLANS
6. (6) #6's VERT SPACED EQUAL
7. #3 TIES @ 16" OC
8. BRACE BAR  $\frac{3}{8}$ "x2" EA CORNER WELD TO HOOP MEMBER w/  $\frac{1}{4}$ " V
9. BASE PLATE PER DETAIL (3/--)
10. APPLY CORROSION RESISTANT COATING BEFORE FILL

1 TYPICAL FRAME ELEVATION



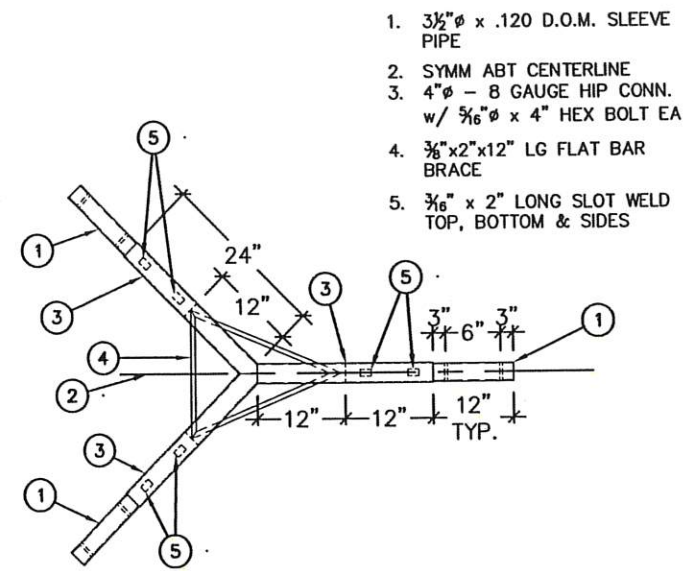
1. HSS 8"x8"x $\frac{3}{8}$ "
2. 4"  $\phi$  - 8 GAUGE PIPE
3.  $\frac{3}{8}$ "  $\phi$  x .120 D.O.M. SLEEVE PIPE WELDED TO  $\frac{1}{4}$ " CAP PLATE ON TOP OF COLUMN w/  $\frac{1}{4}$ " V
4. BRACE BAR  $\frac{3}{8}$ " x 2" EA CORNER WELD TO HOOP MEMBER w/  $\frac{1}{4}$ " V
5.  $\frac{5}{8}$ "  $\phi$  ROD x 3" LONG
6. DROP FORGED WIRE ROPE CLIPS FOR MID CAPACITY

2 HOOP & CABLE TO COLUMN CONN.



1. BASE PLATE 15"sq.x1" THK.
2. (4)- $\frac{3}{4}$ "  $\phi$  x 16" LONG STEEL ANCHORS IN 1" HOLES
3. HSS 8"x8"x $\frac{3}{8}$ " COLUMN
4. 2"x2"x $\frac{3}{8}$ " CHAMFERED STIFFENER PLATES TYP.

3 BASE PLATE



1.  $\frac{3}{8}$ "  $\phi$  x .120 D.O.M. SLEEVE PIPE
2. SYMM ABT CENTERLINE
3. 4"  $\phi$  - 8 GAUGE HIP CONN. w/  $\frac{5}{16}$ "  $\phi$  x 4" HEX BOLT EA
4.  $\frac{3}{8}$ "x2"x12" LG FLAT BAR BRACE
5.  $\frac{3}{16}$ " x 2" LONG SLOT WELD TOP, BOTTOM & SIDES

4 RIDGE TO HIP CONNECTION

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

**CODE:**  
 2015 INTERNATIONAL BUILDING CODE  
 ASCE 7-10

**SOIL PROFILE TYPE:**  
 SOIL PROFILE TYPE (TABLE 1806.2).....CLASS 4 (CLAY)

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

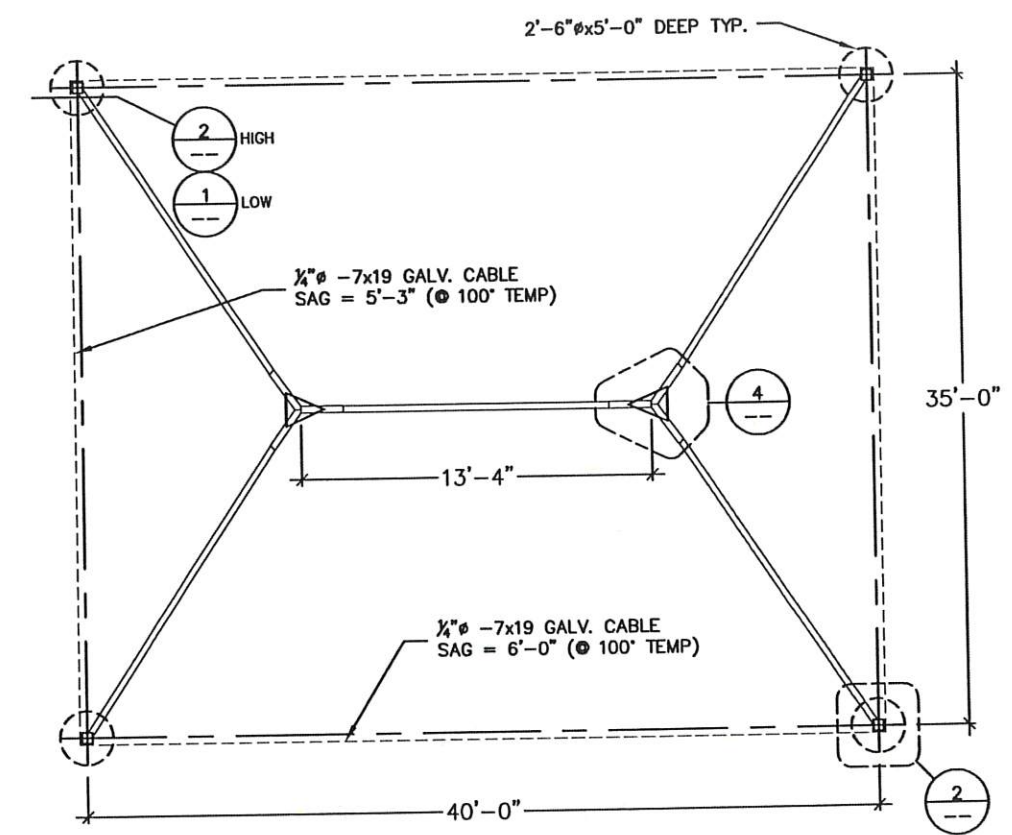
**REINFORCING:**  
 ASTM STANDARD A-615, GRADE 60 U.N.O. ON PLANS. CRSI AND ACI MANUALS APPLY. CLEAR CONCRETE COVERAGE PER DETAILS. LAP SPLICES IN MASONRY 48 DIAMETERS, LAP SPLICES IN CONCRETE 32 DIAMETERS.

**STRUCTURAL STEEL:**  
 ASTM STANDARD A-36 EXCEPT AS FOLLOWS:  
 BOLTS AND PLAIN ANCHORS ASTM-A325, 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

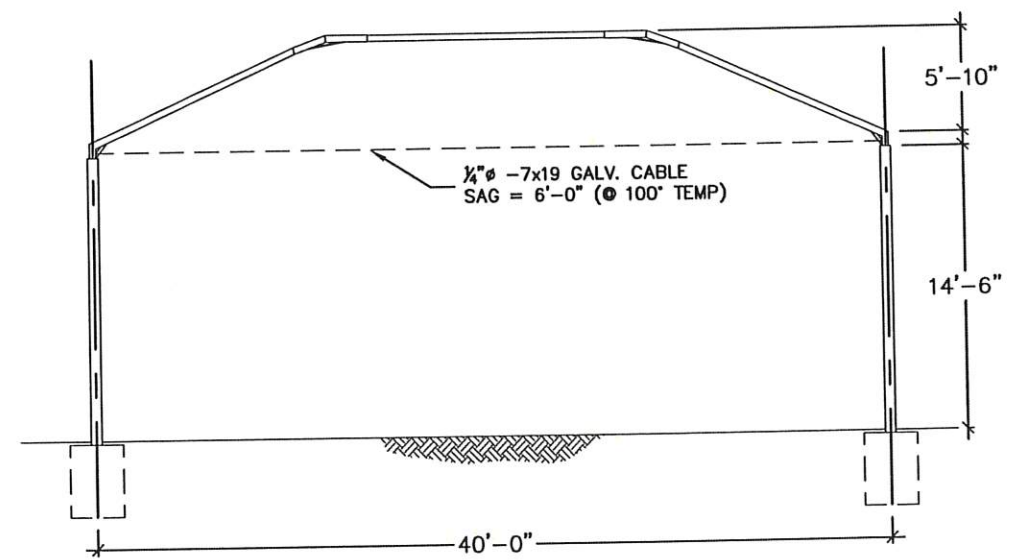
**WELDING:**  
 PER AMERICAN WELDING SOCIETY CODES AND RECOMMENDATIONS ALL WELDING SHALL BE BY CERTIFIED WELDERS. WELDING RODS TO BE LOW HYDROGEN TYPE E70. ALL WELD IN SHOP

**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



HIP ROOF PLAN



HIP ELEVATION

REVISIONS	BY

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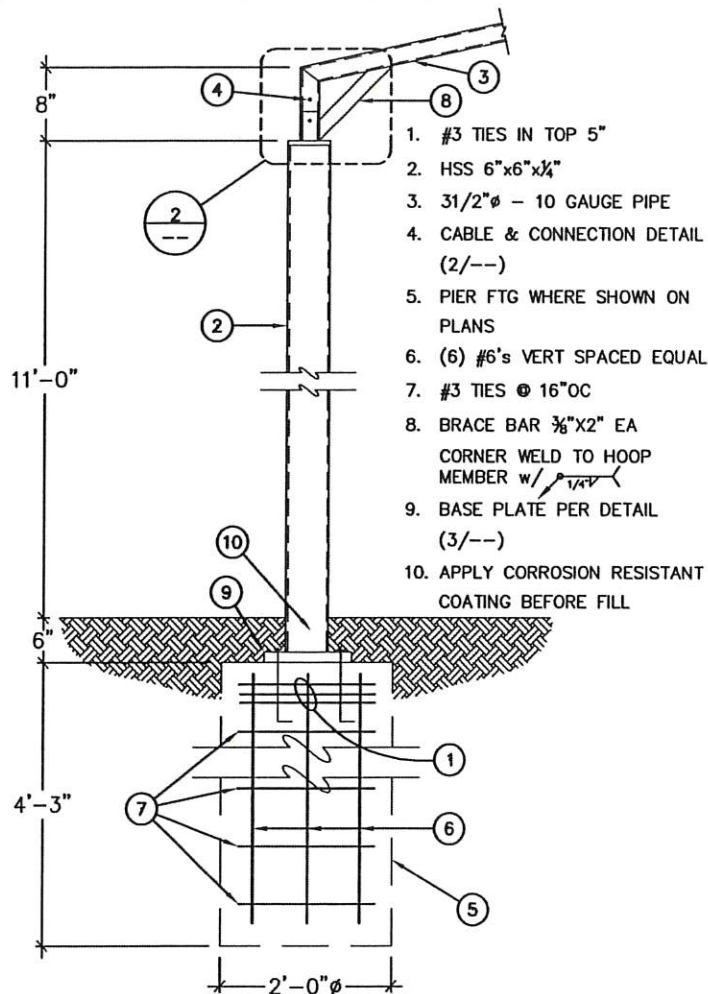
**SHADE N' NET**  
 HIP SHADE STRUCTURE  
 for  
 LEMAN ACADEMY  
 3761 S. POWER RD.  
 MESA, AZ 85212

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



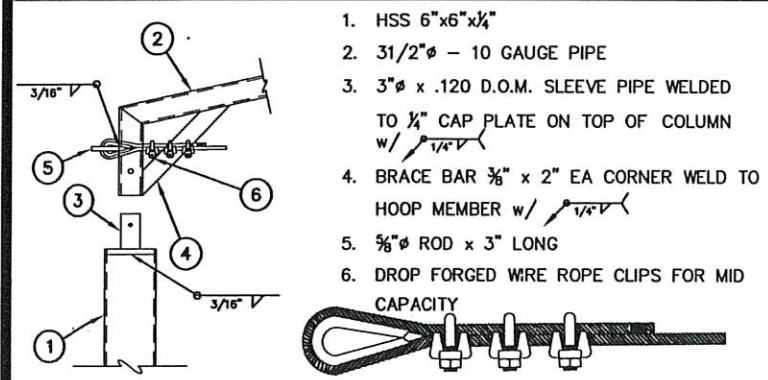
DRAWN	J.M.
CHECKED	A.F.H.
DATE	04-13-18
SCALE	N. T. S.
JOB NO.	18048-B
SHEET NO.	S.1

PMT18-06421



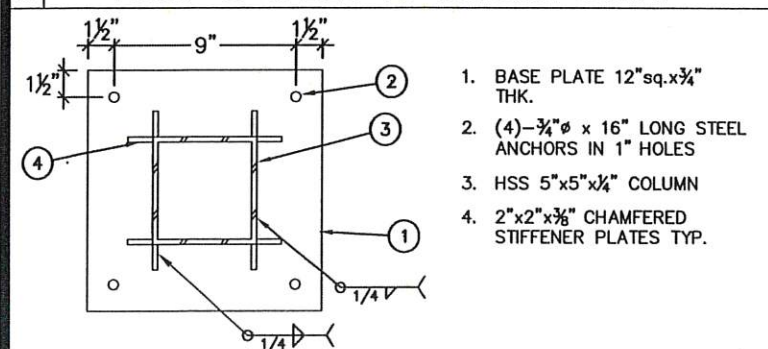
1. #3 TIES IN TOP 5"
2. HSS 6"x6"x1/4"
3. 3 1/2" - 10 GAUGE PIPE
4. CABLE & CONNECTION DETAIL (2/--)
5. PIER FTG WHERE SHOWN ON PLANS
6. (6) #6's VERT SPACED EQUAL
7. #3 TIES @ 16" OC
8. BRACE BAR 3/8"x2" EA CORNER WELD TO HOOP MEMBER w/ 1/4" V
9. BASE PLATE PER DETAIL (3/--)
10. APPLY CORROSION RESISTANT COATING BEFORE FILL

1 TYPICAL FRAME ELEVATION



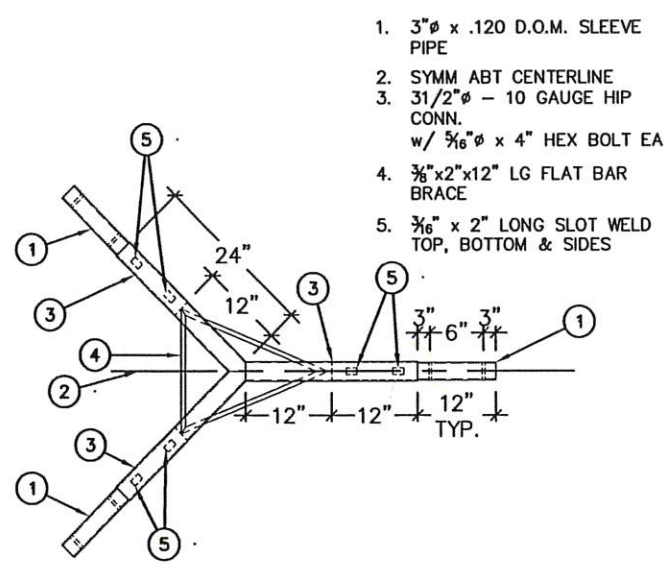
1. HSS 6"x6"x1/4"
2. 3 1/2" - 10 GAUGE PIPE
3. 3" x .120 D.O.M. SLEEVE PIPE WELDED TO 1/4" CAP PLATE ON TOP OF COLUMN w/ 1/4" V
4. BRACE BAR 3/8" x 2" EA CORNER WELD TO HOOP MEMBER w/ 1/4" V
5. 3/8" ROD x 3" LONG
6. DROP FORGED WIRE ROPE CLIPS FOR MID CAPACITY

2 HOOP & CABLE TO COLUMN CONN.



1. BASE PLATE 12"sq.x3/4" THK.
2. (4)-3/4" x 16" LONG STEEL ANCHORS IN 1" HOLES
3. HSS 5"x5"x1/4" COLUMN
4. 2"x2"x3/8" CHAMFERED STIFFENER PLATES TYP.

3 BASE PLATE



1. 3" x .120 D.O.M. SLEEVE PIPE
2. SYMM ABT CENTERLINE
3. 3 1/2" - 10 GAUGE HIP CONN. w/ 3/8" x 4" HEX BOLT EA
4. 3/8" x 2" LG FLAT BAR BRACE
5. 3/8" x 2" LONG SLOT WELD TOP, BOTTOM & SIDES

4 RIDGE TO HIP CONNECTION

**GENERAL STRUCTURAL NOTES**

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

**CODE:**  
2015 INTERNATIONAL BUILDING CODE  
ASCE 7-10

**SOIL PROFILE TYPE:**  
SOIL PROFILE TYPE (TABLE 1806.2).....CLASS 4 (CLAY)

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

**REINFORCING:**  
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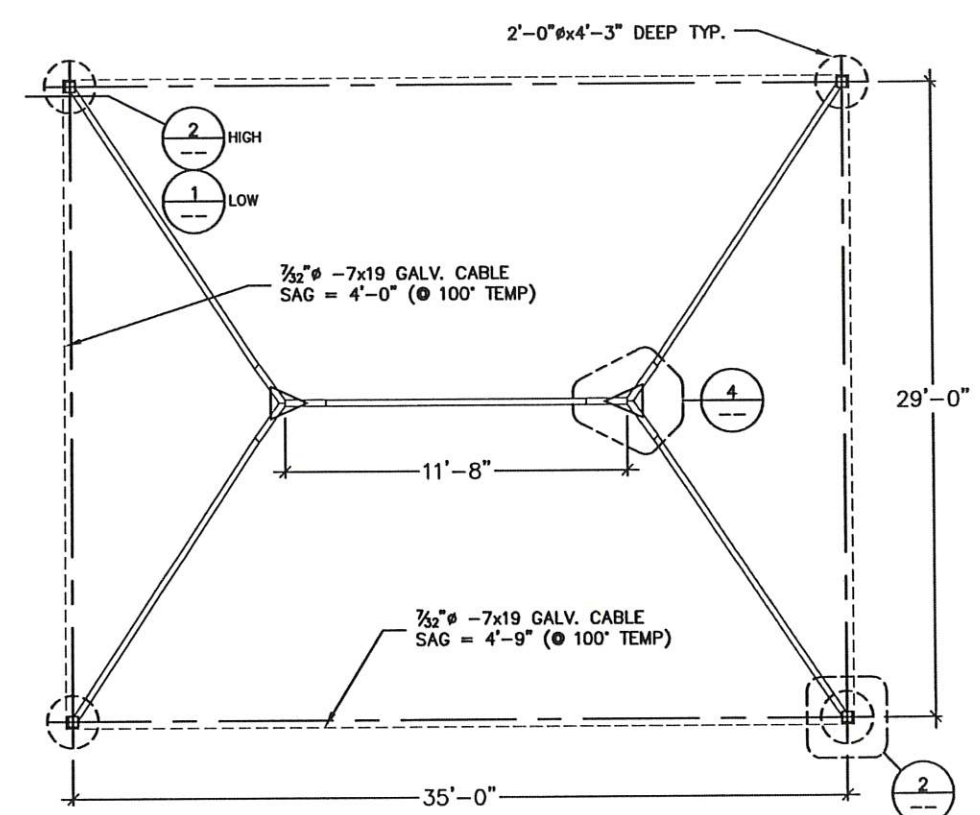
**STRUCTURAL STEEL:**  
ASTM STANDARD A-36 EXCEPT AS FOLLOWS:  
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TUBE STEEL: ASTM A-500 GRADE B  
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STANDARD CABLE WITH ZINC COATING: CLASS A, MINIMUM TENSILE STRENGTH EQUALS 200 KSI

**WELDING:**  
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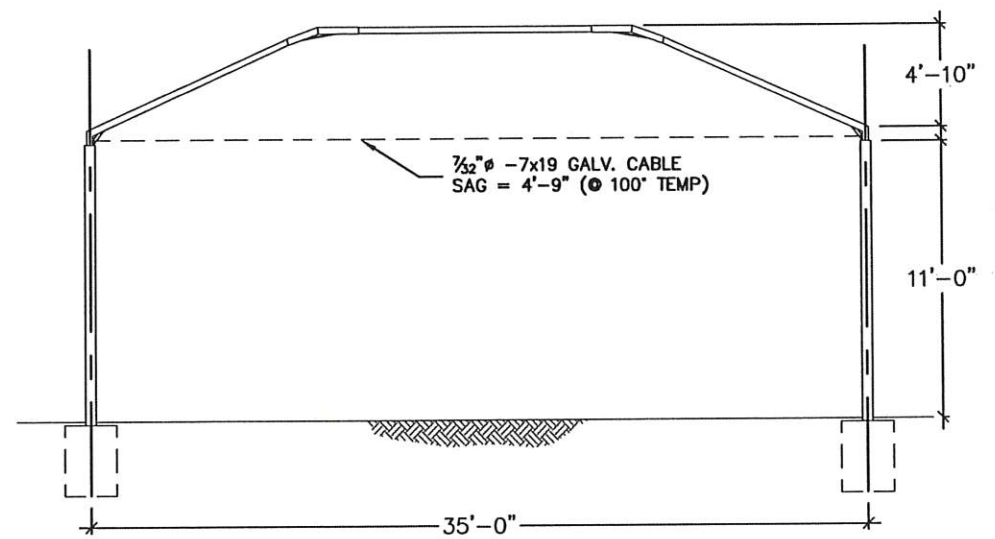
**CONCRETE:**  
3000 PSI (BASED ON 2500 PSI DESIGN)

**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

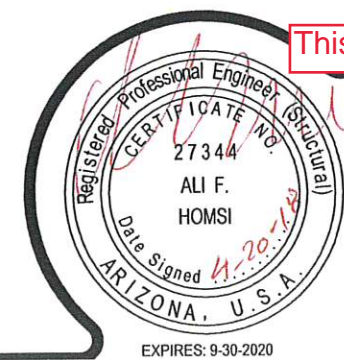
PMT18-06421



HIP ROOF PLAN



HIP ELEVATION



This is sheet S.2, not S.1

REVISIONS	BY

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Phone #: (480) 448-8500 Fax #: (480) 448-7875

DRAWN	J.M.
CHECKED	A.F.H.
DATE	04-13-18
SCALE	N.T.S.
JOB NO.	18048-A
SHEET NO.	S.1

EXPIRES: 9-30-2020