ADMINISTRATIVE AMENDMENT

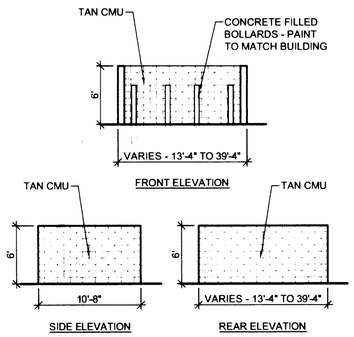
FILE #: SI-2022-00929 **PROJECT #:** PR-2022-007001

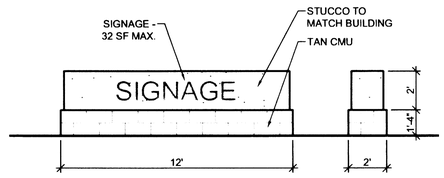
Addition of (2) 24'x34' Shade Structures to outdoor classroom areas between existing Buildings D and F. No additional modifications.

Digitally signed by James M. Aranda
DN: cn=James M. Aranda, o=City of Albuquerque, ou=Planning Department, email=jmaranda@cabq.gov, c=US
Date: 2022.07.01 09:55:31 -06'00'

7/1/2022

APPROVED BY **DATE**





PROJECT: LADERA BUSINESS PARK TRACT 9
LEGAL DESCRIPTION: TRACT 9, LADERA BUSINESS PARK, UNIT 1
ZONING ATLAS MAP: H-10
ZONING CLASSIFICATION: SU-1
APPLICABLE BUILDING CODE: 2003 IBC
BUILDING TYPE: OFFICE/WAREHOUSE
CONSTRUCTION TYPE: II-B
NUMBER OF FLOORS: ONE
GROSS SQUARE FOOTAGE: 13,237 SF
PARKING ANALYSIS:

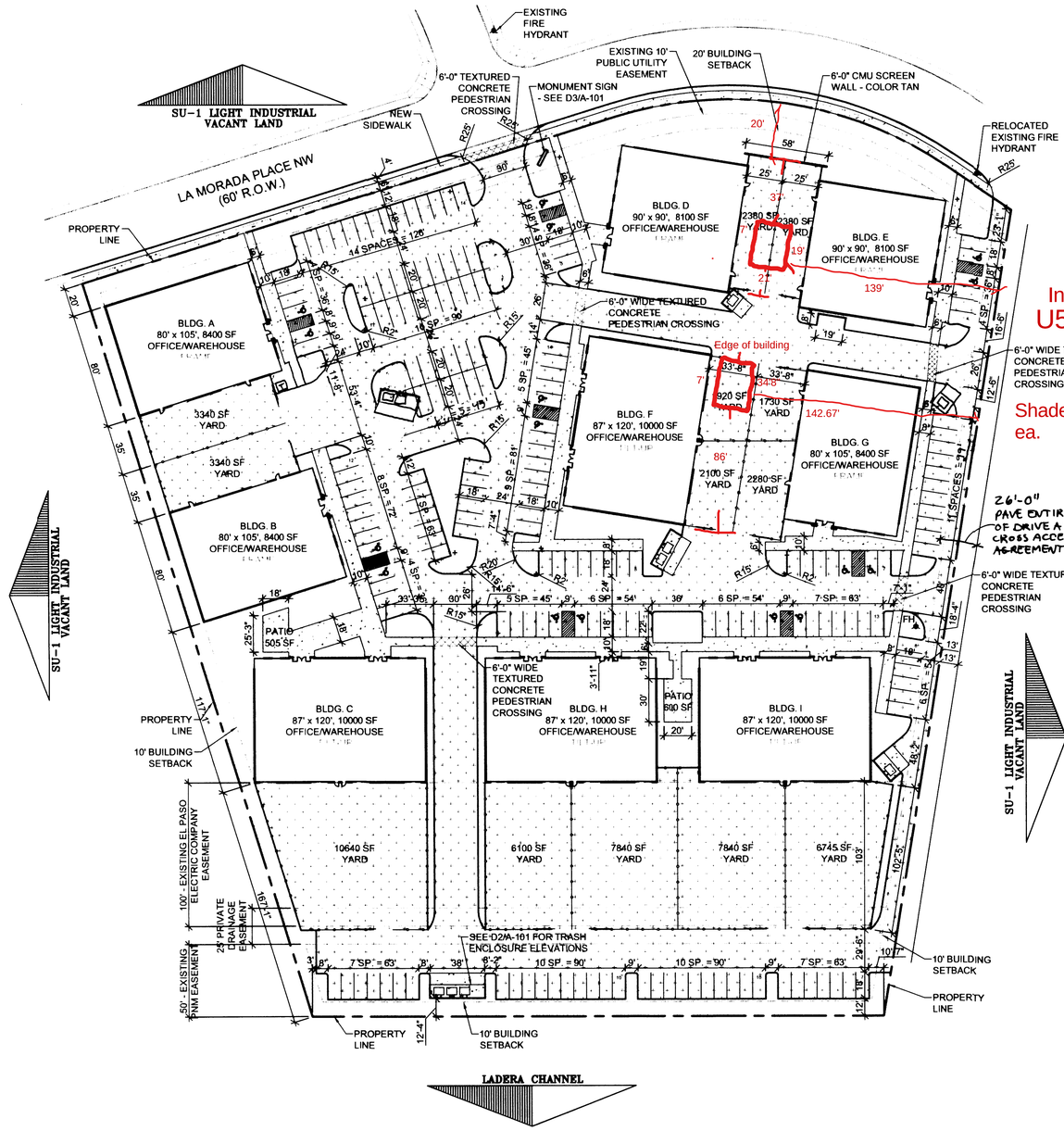
TOTAL BUILDING AREA:	81400 SF
40% OFFICE = 32560 SF	32560 / 200 = 163
60% WAREHOUSE = 48840 SF	48840 / 2000 = 25
REQUIRED: 163 + 25 =	188 SPACES
PROVIDED:	199 SPACES
ADA SPACES:	8 REQ'D, 16 PROVIDED
BICYCLE PARKING REQ'D:	188 / 20 = 10, 20 PROVIDED

PARKING SPACE SIZES:
REGULAR: 9'-0" x 18'-0" WITH 2'-0" OVERHANG
TOTAL LOT AREA: 316,410 SF = 7.26 ACRES

D2 TRASH ENCLOSURE ELEV.
SCALE: 1/8" = 1'-0"

D3 MONUMENT SIGN
SCALE: 1/4" = 1'-0"

This is for Reference only



AFD PLANS CHECKING OFF... 924-3611
APPROVED/DISAPPROVED
HYDRANT(S) OWN...
SIGNATURE & ...

PLAN NORTH
TRUE NORTH

A2 SITE PLAN
SCALE: 1" = 50'
0 10' 25' 50' 100'

SIGNATURE BLOCK

PROJECT NUMBER: 1005348

APPLICATION NUMBER: ~~07DRB-00093~~, 07DRB-00270

IS AN INFRASTRUCTURE LIST REQUIRED? ( ) YES (X) NO
IF YES, THEN A SET OF APPROVED DRC PLANS WITH A WORK ORDER IS REQUIRED FOR ANY CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY OR FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS

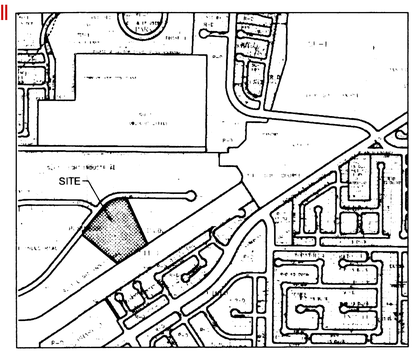
DRB SITE DEVELOPMENT PLAN APPROVAL:

TRAFFIC ENGINEERING, TRANSPORTATION DIVISION — DATE 7-12-07
PARKS & RECREATION DEPARTMENT — DATE 3/14/07
UTILITIES DEVELOPMENT — DATE 3/14/07
CITY ENGINEER, ENGINEERING DIVISION / AMAFCA — DATE 3/14/07
ENVIRONMENTAL HEALTH DEPARTMENT (conditional) — DATE N/A 7/12/07
SOLID WASTE MANAGEMENT — DATE 3/6/07
DRB CHAIRPERSON, PLANNING DEPARTMENT — DATE 7/12/07

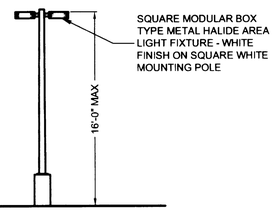
PLNZ(10706) 12/16/03

SITE PLAN LEGEND

- INDICATES EXTENT OF LANDSCAPE AREA
- INDICATES EXTENT OF NEW ASPHALTIC CONCRETE PAVING. MINIMUM 2" OF ASPHALT OVER 4" BASE COURSE.
- INDICATES EXTENT OF NEW CONCRETE PAVING AND CONCRETE SIDEWALKS.
- PROPERTY LINE
- EASEMENT BOUNDARIES
- 6'-0" TALL CHAIN LINK FENCE



B5 VICINITY MAP H-10
SCALE: N.T.S.



SITE LIGHTING SHALL BE LOCATED SO AS NOT TO GLARE ON TO ADJACENT SITES. LIGHTS SHALL BE LOCATED ON THE SITE AND THE BUILDING.

LIGHT SHALL NOT GLARE ON TO ANY PUBLIC RIGHT-OF-WAY AND SHALL NOT HAVE AN OFF-SITE LUMINANCE GREATER THAN 100 FOOT LAMBERTS. ALL LIGHT FIXTURES SHALL BE FULL CUTOFF TYPE TO PREVENT FUGITIVE LIGHT. NO LIGHT SOURCE SHALL BE VISIBLE FROM THE SITE PERIMETER. ALL LAMPS MUST BE FULLY SHIELDED TO PREVENT FUGITIVE LIGHT BEYOND THE PROPERTY LINE.

SITE LIGHTING FOR PAD STRUCTURES IS TO MATCH THE SITE LIGHTING PROVIDED FOR THE MAIN PARKING AREA. EXPOSED, I.E. UNSHIELDED LIGHT FIXTURES ARE PROHIBITED. ALL LAMPS MUST BE SHIELDED SHOE BOX TYPE FIXTURES.

ALL LIGHTING TO COMPLY WITH THE NIGHT SKY PROTECTION ACT.

A5 LIGHTING DETAIL
SCALE: N.T.S.

CLAUDIO VIGIL ARCHITECTS
1801 Rio Grande Boulevard, N.W.
Albuquerque, New Mexico
Phone: (505) 842-1113
Fax: (505) 842-1330

CONSULTANTS

PROFESSIONAL SEAL

PRELIMINARY NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

PROJECT NUMBER:	06270
DRAWING FILE:	06270\3DESDEV\LBP 6-101
DRAWN BY:	LH
CHECK BY:	
COPYRIGHT:	CLAUDIO VIGIL ARCHITECTS 2005
DATE:	MARCH 5, 2007

SHEET TITLE
SITE PLAN FOR BUILDING PERMIT

SHEET NUMBER
A-101

12/05/07

GENERAL NOTES

DESIGN LOADS

BUILDING CODE	INTERNATIONAL BUILDING CODE 2015
LIVE LOADS	5 PSF
SNOW LOAD	5 PSF
WIND LOADS	115 MPH* and 180 MPH with Fabric Off
	3-Sec. Gust, RISK CATEGORY II & EXPOSURE C

* 115 MPH ACCORDING THE ULTIMATE WIND SPEED MAPS OF ASCE 7-10 IS EQUIVALENT TO THE NOMINAL WIND SPEED OF 90 MPH ACCORDING ASCE 7-05 AND IBC 2015 EQ 16-33.

STRUCTURAL STEEL

1. ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C. UNLESS OTHERWISE NOTED. TYPICAL MECHANICAL PROPERTIES FOR HSS PRODUCTS:

SQUARE AND RECTANGULAR	50,000 PSI YIELD / 62,000 PSI TENSILE
ROUND PIPE	46,000 PSI YIELD / 62,000 PSI TENSILE

2. ALL GALVANIZED STEEL TUBE PRODUCTS ARE MANUFACTURED PER ASTM A500, TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR GALVANIZED TUBE PRODUCTS:

ROUND TUBE	45,000 PSI YIELD / 48,000 PSI TENSILE

3. ALL PLATES SHALL COMPLY WITH ASTM A572 GRADE 50.
4. ALL STEEL TUBING SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.
5. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
6. ALL SHOP WELDS SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) D1.1 SPECIFICATIONS. ALL WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT GIVEN, UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS. ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE WEAKER MEMBER. ALL WELDS SHALL BE MADE USING E70XX .045 WIRE.
7. SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED). ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" UNLESS OTHERWISE NOTED. FIELD WELDS SHALL NOT BE ALLOWED.
8. ALL HIGH STRENGTH BOLTS SHALL COMPLY WITH ASTM F3125 GRADE A325 (GALVANIZED). ALL NUTS SHALL COMPLY WITH ASTM A563DH, AND WASHERS SHALL COMPLY WITH ASTM F436.
9. ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION.
10. ALL STAINLESS STEEL BOLTS / STUDS SHALL COMPLY WITH ASTM F-593, ALLOY GROUP 1 OR 2 ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 1 OR 2.
11. ALL STRUCTURAL STEEL SHALL BE POWDER COATED WITH ONE SHOP COAT (2.5 MILS MIN.) OF ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM. THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS, ASKO NOBEL, PPG OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:

- PENCIL HARDNESS (ASTM D-3363).
- HUMIDITY (ASTM D-2247).
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNESS.

FABRIC SPECIFICATION

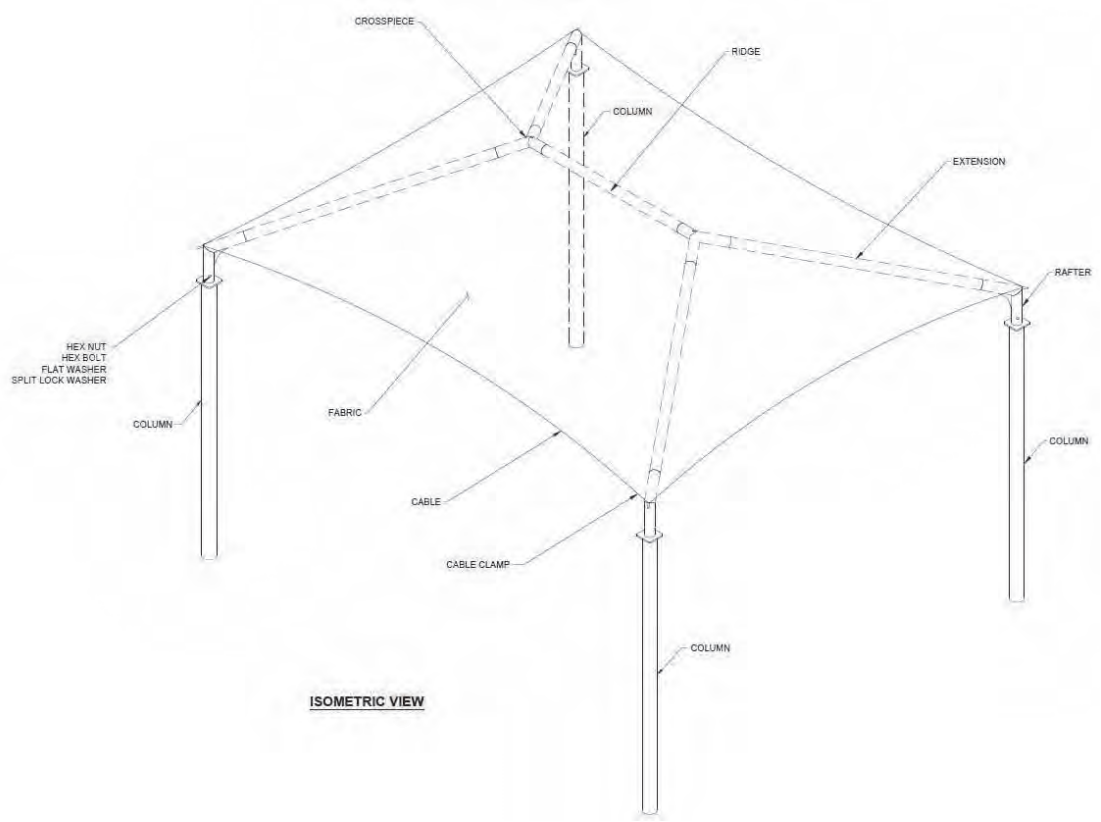
1. FABRIC SHALL BE A HIGH DENSITY POLYETHYLENE WITH ULTRA VIOLET ADDITIVES, WITH MONOFILAMENT AND TAPE CONSTRUCTION GIVING A STABLE MATERIAL AND RACHEL KNITTED TO ENSURE MATERIAL WILL NOT UNRAVEL IF CUT
2.

	SOLID COLORS	STRIPE COLORS
TEAR STRENGTH	WARP 220.4622 LB	WARP 182.9836 LB
	WEFT 462.9707 LB	WEFT 401.2413 LB
BURST STRENGTH	37.7098 PSIA	33.0686 PSIA
FADING	MINIMUM FADING AFTER 5 YEARS	

   LIFE EXPECTANCY: A MINIMUM OF 8 YEARS CONTINUOUS EXPOSURE TO THE SUN
3. FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84
4. THREAD-PTFE (TEFLON) USED MEET THE FOLLOWING SPECIFICATIONS: HIGH STRENGTH, LOW SHRINKAGE, WIDE TEMPERATURE RANGE, FLEX ABRASION RESISTANT AND UV RADIATION IMMUNITY. LOCKSTITCH - 1200 DENIER. CHAINSTITCH THREAD - 2400 DENIER.

AIRCRAFT CABLE

1. WIRE ROPE CABLE SHALL BE 7x19 STRAND CORE GALVANIZED WIRE ROPE WITH A BREAKING STRENGTH VALUE OF 14,400 LBS (3/8" DIAMETER)
2. CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSEFULLY UNDERSIZED) REACH A TAUNT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTENING VISITS AS REQUIRED.



ISOMETRIC VIEW

LIST OF MATERIALS

ITEM	QTY	DESCRIPTION	SMI PART No.
RAFTER	4	UNPAINTED 350RAF-F5	350RAF-F5
CROSSPIECE	2	UNPAINTED 350CP-F5	350CP-F5
BOLT	4	BOLT,HEX,1/2"-13 x 4-1/2",GLV ASTM A325	309108
HEX NUT	4	NUT,HEX,1/2",GLV 1213 A 194 2H	308069
NUT	8	WASHER,FLAT,1/2" GLV ASTM F436	307622
WASHER	4	WASHER,SPLIT LOCK, 1/2",GLV	307625
CABLE CLAMPS	4	CLAMPS,CABLE,3/8" DF GLV	307629
COLUMN	4	4.5 GA 07 ROUND TUBING	PIH-450-146-300-SIN
EXTENSION	4	3.5 GA 08 ROUND TUBING	EXT-350-177
RIDGE	1	3.5 GA 08 ROUND TUBING	RID-350-182
FABRIC	1	FABRIC SHADESURE NAVY BLUE	200000SNB
CABLE	1	WIRE ROPE, 7x19, 3/8",GALV	308175

NOTICE

- FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF IS ANTICIPATED
- FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED. SEE NOTES FOR DESIGN LOADS

CODE ANALYSIS

BUILDING	OCCUPANCY	CONSTRUCTION TYPE	AREA (SQFT)	OCCUPANT LOAD
SHADE STRUCTURE 24' 0" x 34' 0"	U	V-B	816	N/A

Digitally signed by
Thomas R. Sadler
Date: 2021.09.30
'10:27:42 -05'00

THOMAS R. SADLER
NEW MEXICO
13371
REGISTERED PROFESSIONAL ENGINEER

USASHADE
A Fabric Structures.

CORPORATE HEADQUARTERS
2580 ESTERS BLVD., SUITE 100
DFW AIRPORT, TX 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Creative Recreational Designs
PROJECT NAME:
79707-Alburquerque Bilingual Academy
LOCATION:
Alburquerque NM
PROJECT NUMBER:
Q-012157

STRUCTURE TYPE:
4 Post HIP 401
SIZE:
24' 0" x 34' 0" x 10' 0"e

SCALE: AS NOTED

DRAWING SIZE
B

REV	DESCRIPTION	DATE	DRW	CHK	ENG
NC	RELEASE FOR CONSTRUCTION		MP	MP	MP

Eng. By:	MP
Design By:	MP
Approved By:	MP

DRAWING DESCRIPTION:
NOTES / LOM

DWG.

PAGE
1000

REV
NC

TABLE OF DIMENSIONS

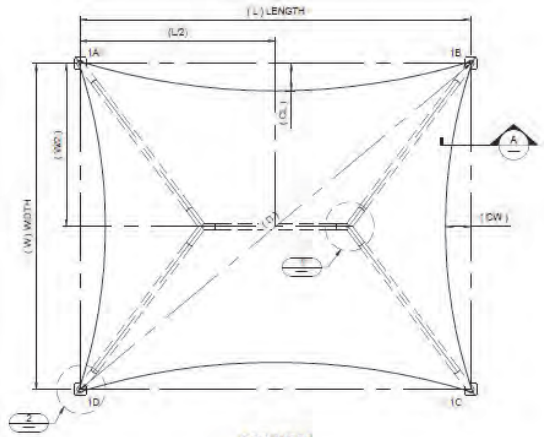
L	W	H	R	HT	CW	CL	D	COL	RL	EL
34' 0"	24' 0"	10' 0"	4' 6"	14' 6"	1' 6"	2' 2"	41' 7"	12' 2"	15' 2"	14' 9"

TABLE OF DIMENSIONS KEY

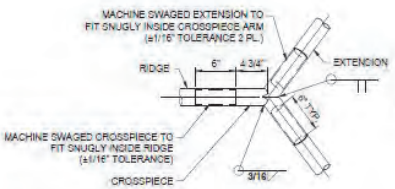
L	LENGTH
W	WIDTH
H	DISTANCE FROM FINISHED SURFACE TO PIN
R	RAISE FROM RAFTER TO CROSSPIECE
HT	TOTAL HEIGHT
CL	FABRIC CATENARY - LENGTH
CW	FABRIC CATENARY - WIDTH
D	DIAGONAL
COL	COLUMN LENGTH
RL	RIDGE LENGTH
EL	EXTENSION LENGTH

PLAN NORTH

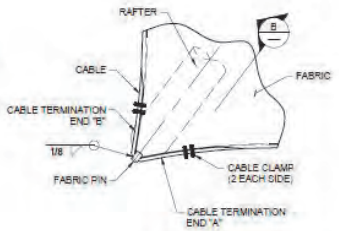
FOR TRUE NORTH SEE CUSTOMER'S SITE PLAN



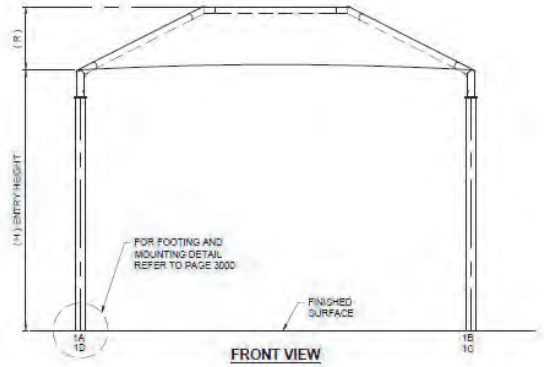
TOP VIEW



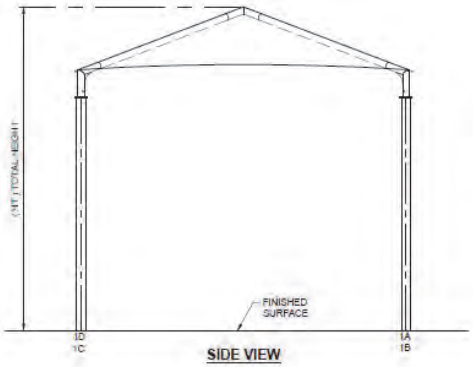
DETAIL 1



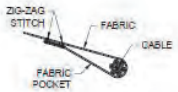
DETAIL 2



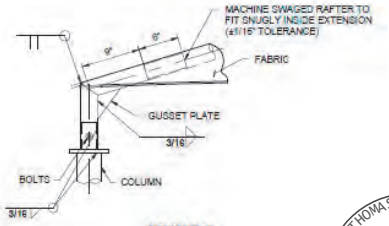
FRONT VIEW



SIDE VIEW



SECTION A-A



VIEW B-B

Digitally signed by Thomas R. Sadler
Date: 2021.09.30 10:27:50 '-05'00

THOMAS R. SADLER NEW MEXICO 13371 REGISTERED PROFESSIONAL ENGINEER

USASHADE
A Fabric Structures

CORPORATE HEADQUARTERS
2580 ESTERS BLVD., SUITE 100
DFW AIRPORT, TX 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Creative Recreational Designs
PROJECT NAME:
79707-Alburquerque Bilingual Academy
LOCATION:
Alburquerque NM
PROJECT NUMBER:
Q-012157

STRUCTURE TYPE:
4 Post HIP 401
SIZE:
24' 0" x 34' 0" x 10' 0"e
SCALE: AS NOTED
DRAWING SIZE
B

REV	DESCRIPTION	DATE	DRW	CHK	ENG
NC	RELEASE FOR CONSTRUCTION		MP	MP	MP

Eng. By:	MP
Design By:	MP
Approved By:	MP

DRAWING DESCRIPTION:
ELEVATIONS AND DETAILS
DWG.
PAGE
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REV
NC

REINFORCED CONCRETE NOTES

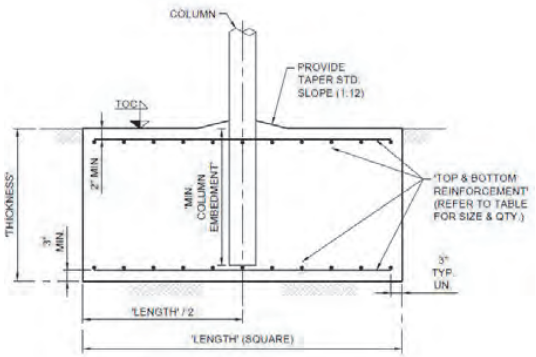
1. CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301 AND BUILDING CODE ACI 318. CONCRETE SPECIFICATIONS SHALL BE AS FOLLOWS:
   - 28 DAY STRENGTH: 2500 PSI
   - SLUMP: 3-5
   - PORTLAND CEMENT SHALL CONFORM TO C-150
   - AGGREGATE SHALL CONFORM TO ASTM C-33
2. ALL REINFORCEMENT STEEL SHALL CONFORM TO ASTM A-615 GRADE 60; AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301, ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE.
3. ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED).
4. ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.
5. SOIL PARAMETERS FOR FOOTING ANALYSIS; TABLE 1806.2, CLASS : 5 - 1500(PSI)
6. FOR SPREAD FOOTING, EDGE OF COLUMN OR ANCHOR BOLTS MUST BE SET AT LEAST 12" FROM THE EDGE OF SPREAD FOOTING EDGE.
7. FOR DRILLED PIER, THE EDGE OF COLUMN MUST BE SET AT LEAST 3/4" FROM REBAR WITHIN DRILLED PIER.
8. SPREAD FOOTING ALLOWED TO BE ROTATED AS REQUIRED.

TABLE FOR SPREAD FOOTING

LENGTH	THICKNESS	TOP AND BOTTOM REINFORCEMENT					MIN. COLUMN EMBEDMENT (EMBED)	MIN. ANCHOR EMBEDMENT (RECESS. & SURFACE)
(FT)	(FT)	QTY.	SIZE	SPACING (IN)			(IN)	(IN)
4.50	3.00	6	#5	@	9.5	O.C.E.W.	33	19

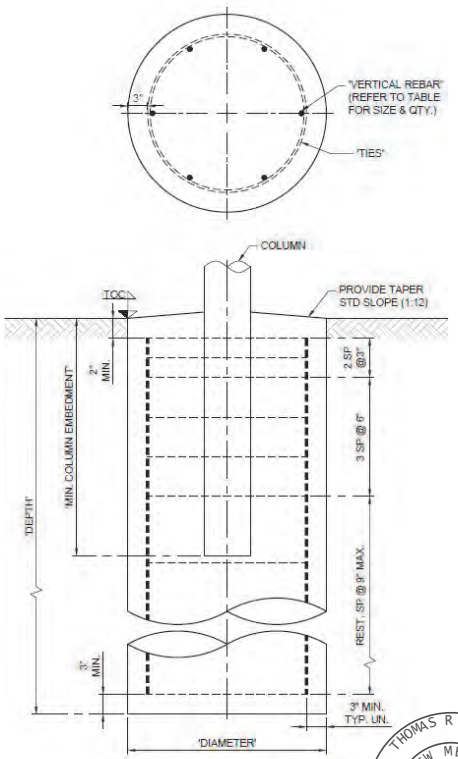
TABLE FOR NON-CONSTRAINED DRILLED PIER FOOTING

DIAMETER	DEPTH	VERTICAL REBAR		TIES			MIN. COLUMN EMBEDMENT (EMBED)	MIN. ANCHOR EMBEDMENT (RECESS. & SURFACE)
(FT)	(FT)	QTY.	SIZE	QTY.	Ø LOOP (FT)	SIZE	(IN)	(IN)
2.00	6.00	6	#6	11	1.5	#3	33	19



SPREAD FOOTING TYPE

EMBEDDED
SCHEMATIC VIEW ONLY
REFER TO TABLE FOR VARIABLE DIMENSIONS



DRILLED PIER FOOTING TYPE

EMBEDDED
SCHEMATIC VIEW ONLY
REFER TO TABLE FOR VARIABLE DIMENSIONS & QTY.

PLAN NORTH

FOR TRUE NORTH SEE CUSTOMER'S SITE PLAN

USASHADE & Fabric Structures

CORPORATE HEADQUARTERS
2580 ESTERS BLVD., SUITE 100
DFW AIRPORT, TX 75261
800-966-5005

CERTIFICATIONS:
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Eng. By:	MP
Design By:	MP
Approved By:	MP

DRAWING DESCRIPTION:
FOOTING DETAILS

DWG.

PAGE
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REV
NC

THOMAS R. SADLER NEW MEXICO 13371 REGISTERED PROFESSIONAL ENGINEER

Digitally signed by Thomas R. Sadler
'Date: 2021.09.30 10:28:00 -05'00

GENERAL NOTES

DESIGN LOADS

BUILDING CODE	INTERNATIONAL BUILDING CODE 2015
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SNOW LOAD	5 PSF
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	3-Sec. Gust, RISK CATEGORY II & EXPOSURE C

* 115 MPH ACCORDING THE ULTIMATE WIND SPEED MAPS OF ASCE 7-10 IS EQUIVALENT TO THE NOMINAL WIND SPEED OF 90 MPH ACCORDING ASCE 7-05 AND IBC 2015 EQ 16-33.

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ROUND TUBE	45,000 PSI YIELD / 48,000 PSI TENSILE

3. ALL PLATES SHALL COMPLY WITH ASTM A572 GRADE 50.
4. ALL STEEL TUBING SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.
5. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
6. ALL SHOP WELDS SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) D1.1 SPECIFICATIONS. ALL WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT GIVEN, UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS. ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE WEAKER MEMBER. ALL WELDS SHALL BE MADE USING E70XX .045 WIRE.
7. SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED). ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" UNLESS OTHERWISE NOTED. FIELD WELDS SHALL NOT BE ALLOWED.
8. ALL HIGH STRENGTH BOLTS SHALL COMPLY WITH ASTM F3125 GRADE A325 (GALVANIZED). ALL NUTS SHALL COMPLY WITH ASTM A563DH, AND WASHERS SHALL COMPLY WITH ASTM F436.
9. ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION.
10. ALL STAINLESS STEEL BOLTS / STUDS SHALL COMPLY WITH ASTM F-593, ALLOY GROUP 1 OR 2 ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 1 OR 2.
11. ALL STRUCTURAL STEEL SHALL BE POWDER COATED WITH ONE SHOP COAT (2.5 MILS MIN.) OF ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM. THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS, ASKO NOBEL, PPG OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:

- PENCIL HARDNESS (ASTM D-3363).
- HUMIDITY (ASTM D-2247).
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNESS.

FABRIC SPECIFICATION

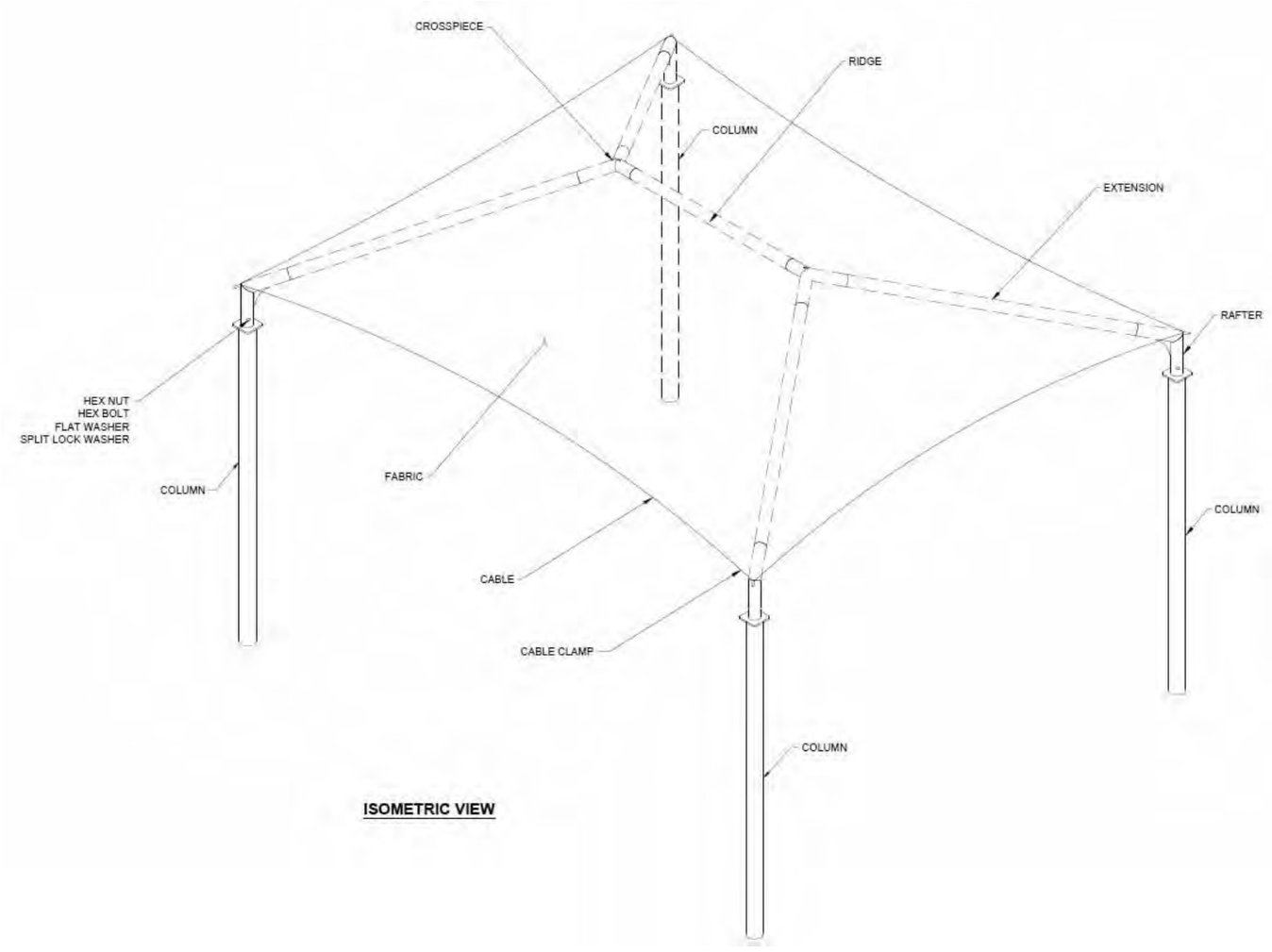
1. FABRIC SHALL BE A HIGH DENSITY POLYETHYLENE WITH ULTRA VIOLET ADDITIVES, WITH MONOFILAMENT AND TAPE CONSTRUCTION GIVING A STABLE MATERIAL AND RACHEL KNITTED TO ENSURE MATERIAL WILL NOT UNRAVEL IF CUT
2.

	SOLID COLORS	STRIPE COLORS
TEAR STRENGTH	WARP 220.4622 LB	WARP 182.9836 LB
	WEFT 462.9707 LB	WEFT 401.2413 LB
BURST STRENGTH	37.7098 PSIA	33.0686 PSIA
FADING	MINIMUM FADING AFTER 5 YEARS	

   LIFE EXPECTANCY: A MINIMUM OF 8 YEARS CONTINUOUS EXPOSURE TO THE SUN
3. FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84
4. THREAD-PTFE (TEFLON) USED MEET THE FOLLOWING SPECIFICATIONS: HIGH STRENGTH, LOW SHRINKAGE, WIDE TEMPERATURE RANGE, FLEX ABRASION RESISTANT AND UV RADIATION IMMUNITY. LOCKSTITCH - 1200 DENIER. CHAINSTITCH THREAD - 2400 DENIER.

AIRCRAFT CABLE

1. WIRE ROPE CABLE SHALL BE 7x19 STRAND CORE GALVANIZED WIRE ROPE WITH A BREAKING STRENGTH VALUE OF 14,400 LBS (3/8" DIAMETER)
2. CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSEFULLY UNDERSIZED) REACH A TAUNT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTENING VISITS AS REQUIRED.



ISOMETRIC VIEW

LIST OF MATERIALS

ITEM	QTY	DESCRIPTION	SMI PART No.
RAFTER	4	UNPAINTED 350RAF-F5	350RAF-F5
CROSSPIECE	2	UNPAINTED 350CP-F5	350CP-F5
BOLT	4	BOLT,HEX,1/2"-13 x 4-1/2",GLV ASTM A325	309108
HEX NUT	4	NUT,HEX,1/2",GLV 1213 A 194 2H	308069
NUT	8	WASHER,FLAT,1/2" GLV ASTM F436	307622
WASHER	4	WASHER,SPLIT LOCK, 1/2",GLV	307625
CABLE CLAMPS	4	CLAMPS,CABLE,3/8" DF GLV	307629
COLUMN	4	4.5 GA 07 ROUND TUBING	PIH-450-146-300-SIN
EXTENSION	4	3.5 GA 08 ROUND TUBING	EXT-350-177
RIDGE	1	3.5 GA 08 ROUND TUBING	RID-350-182
FABRIC	1	FABRIC SHADESURE NAVY BLUE	200000SNB
CABLE	1	WIRE ROPE, 7x19, 3/8",GALV	308175

NOTICE

- FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF IS ANTICIPATED
- FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED. SEE NOTES FOR DESIGN LOADS

CODE ANALYSIS

BUILDING	OCCUPANCY	CONSTRUCTION TYPE	AREA (SQFT)	OCCUPANT LOAD
SHADE STRUCTURE 24' 0" x 34' 0"	U	V-B	816	N/A

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USASHADE & Fabric Structures

CORPORATE HEADQUARTERS
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DFW AIRPORT, TX 75261
800-966-5005

CERTIFICATIONS:

IAS CERTIFICATION No: FA-428

CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Creative Recreational Designs

PROJECT NAME:
79707-Alburquerque Bilingual Academy

LOCATION:
Alburquerque NM

PROJECT NUMBER:
Q-012157

STRUCTURE TYPE:
4 Post HIP 401

SIZE:
24' 0" x 34' 0" x 10' 0"e

SCALE: AS NOTED

DRAWING SIZE
B

REV	DESCRIPTION	DATE	DRW	CHK	ENG
NC	RELEASE FOR CONSTRUCTION		MP	MP	MP

Eng. By:	MP
Design By:	MP
Approved By:	MP

DRAWING DESCRIPTION:
NOTES / LOM

DWG.

PAGE
1000

REV
NC

TABLE OF DIMENSIONS

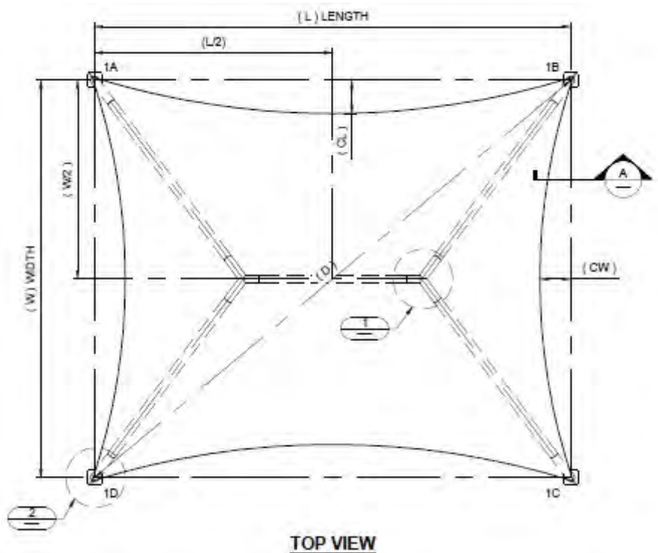
L	W	H	R	HT	CW	CL	D	COL	RL	EL
34' 0"	24' 0"	10' 0"	4' 6"	14' 6"	1' 6"	2' 2"	41' 7"	12' 2"	15' 2"	14' 9"

TABLE OF DIMENSIONS KEY

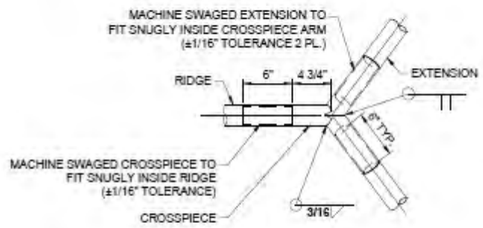
L	LENGTH
W	WIDTH
H	DISTANCE FROM FINISHED SURFACE TO PIN
R	RAISE FROM RAFTER TO CROSSPIECE
HT	TOTAL HEIGHT
CL	FABRIC CATENARY - LENGTH
CW	FABRIC CATENARY - WIDTH
D	DIAGONAL
COL	COLUMN LENGTH
RL	RIDGE LENGTH
EL	EXTENSION LENGTH

PLAN NORTH

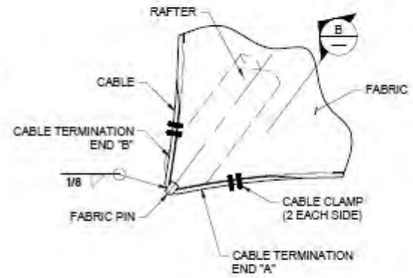
FOR TRUE NORTH SEE CUSTOMER'S SITE PLAN



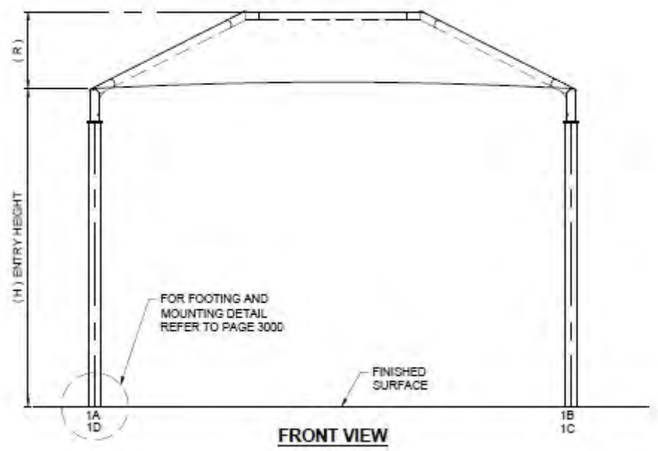
TOP VIEW



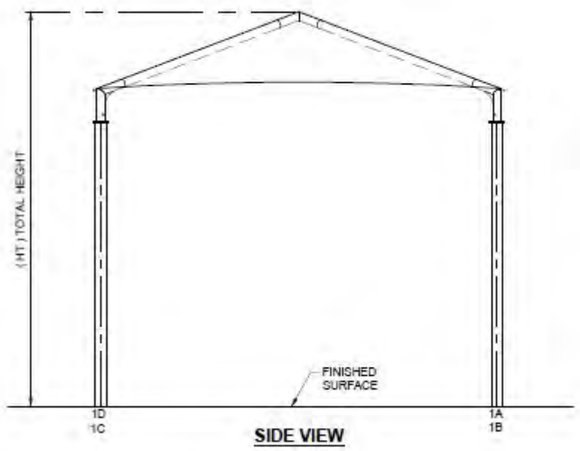
DETAIL 1



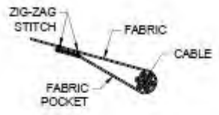
DETAIL 2



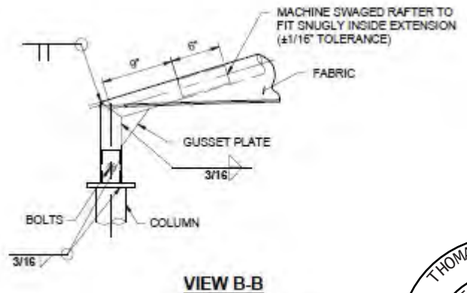
FRONT VIEW



SIDE VIEW



SECTION A-A



VIEW B-B

USASHADE & Fabric Structures

CORPORATE HEADQUARTERS
2580 ESTERS BLVD., SUITE 100
DFW AIRPORT, TX 75261
800-966-5005

CERTIFICATIONS:

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STRUCTURE TYPE:

4 Post HIP 401

SIZE:

24' 0" x 34' 0" x 10' 0"e

SCALE: AS NOTED

DRAWING SIZE

B

REV	DESCRIPTION	DATE	DRW	CHK	ENG
NC	RELEASE FOR CONSTRUCTION		MP	MP	MP

Eng. By:	MP
Design By:	MP
Approved By:	MP

DRAWING DESCRIPTION:
ELEVATIONS AND DETAILS

DWG.

PAGE
2000

REV
NC

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PLAN NORTH

FOR TRUE NORTH SEE CUSTOMER'S SITE PLAN

REINFORCED CONCRETE NOTES

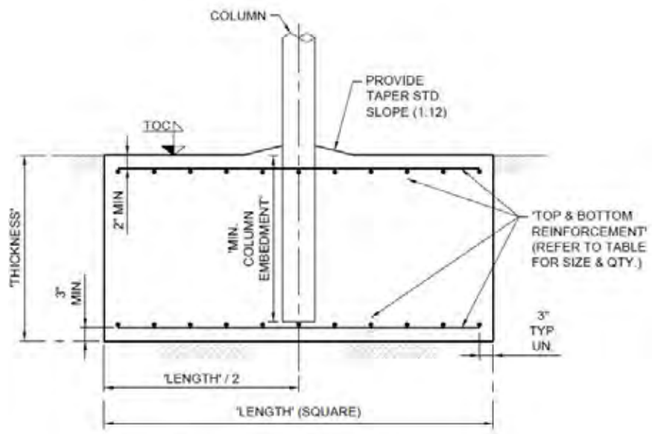
1. CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301 AND BUILDING CODE ACI 318. CONCRETE SPECIFICATIONS SHALL BE AS FOLLOWS:
   - 28 DAY STRENGTH: 2500 PSI
   - SLUMP: 3-5
   - PORTLAND CEMENT SHALL CONFORM TO C-150
   - AGGREGATE SHALL CONFORM TO ASTM C-33
2. ALL REINFORCEMENT STEEL SHALL CONFORM TO ASTM A-615 GRADE 60; AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301, ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE.
3. ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED).
4. ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.
5. SOIL PARAMETERS FOR FOOTING ANALYSIS; TABLE 1806.2, CLASS : 5 - 1500(PSI)
6. FOR SPREAD FOOTING, EDGE OF COLUMN OR ANCHOR BOLTS MUST BE SET AT LEAST 12" FROM THE EDGE OF SPREAD FOOTING EDGE.
7. FOR DRILLED PIER, THE EDGE OF COLUMN MUST BE SET AT LEAST 3/4" FROM REBAR WITHIN DRILLED PIER.
8. SPREAD FOOTING ALLOWED TO BE ROTATED AS REQUIRED.

TABLE FOR SPREAD FOOTING

LENGTH	THICKNESS	TOP AND BOTTOM REINFORCEMENT					MIN. COLUMN EMBEDMENT (EMBED)	MIN. ANCHOR EMBEDMENT (RECESS. & SURFACE)
(FT)	(FT)	QTY.	SIZE	SPACING (IN)			(IN)	(IN)
4.50	3.00	6	#5	@	9.5	O.C.E.W.	33	19

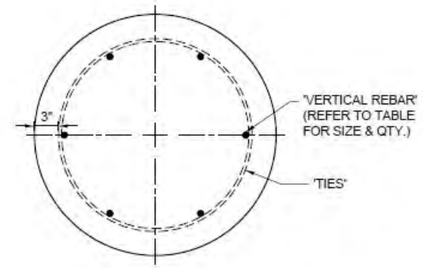
TABLE FOR NON-CONSTRAINED DRILLED PIER FOOTING

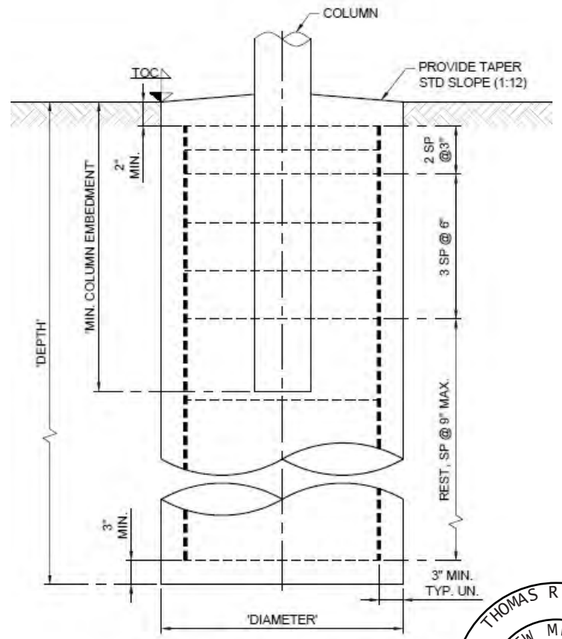
DIAMETER	DEPTH	VERTICAL REBAR		TIES			MIN. COLUMN EMBEDMENT (EMBED)	MIN. ANCHOR EMBEDMENT (RECESS. & SURFACE)
(FT)	(FT)	QTY.	SIZE	QTY.	Ø LOOP (FT)	SIZE	(IN)	(IN)
2.00	6.00	6	#6	11	1.5	#3	33	19



SPREAD FOOTING TYPE

EMBEDDED
SCHEMATIC VIEW ONLY
REFER TO TABLE FOR VARIABLE DIMENSIONS





DRILLED PIER FOOTING TYPE

EMBEDDED
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REFER TO TABLE FOR VARIABLE DIMENSIONS & QTY.

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