

GENERAL NOTES

DESIGN LOADS

BUILDING CODE	INTERNATIONAL BUILDING CODE 2021
LIVE LOADS	5 PSF
SNOW LOAD	5 PSF
WIND LOADS	115 MPH*
	3-Sec. Gust, RISK CATEGORY II & EXPOSURE C

* 115 MPH ACCORDING TO THE BASIC WIND SPEED MAPS OF ASCE 7-16 IS EQUIVALENT TO THE ALLOWABLE STRESS DESIGN WIND SPEED OF 90 MPH ACCORDING TO ASCE 7-16 AND IBC 2021 EQ 16-17.

STRUCTURAL STEEL

- 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	50,000 PSI YIELD / 62,000 PSI TENSILE
- ALL GALVANIZED STEEL TUBE PRODUCTS ARE MANUFACTURED PER ASTM A500, TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR GALVANIZED TUBE PRODUCTS:

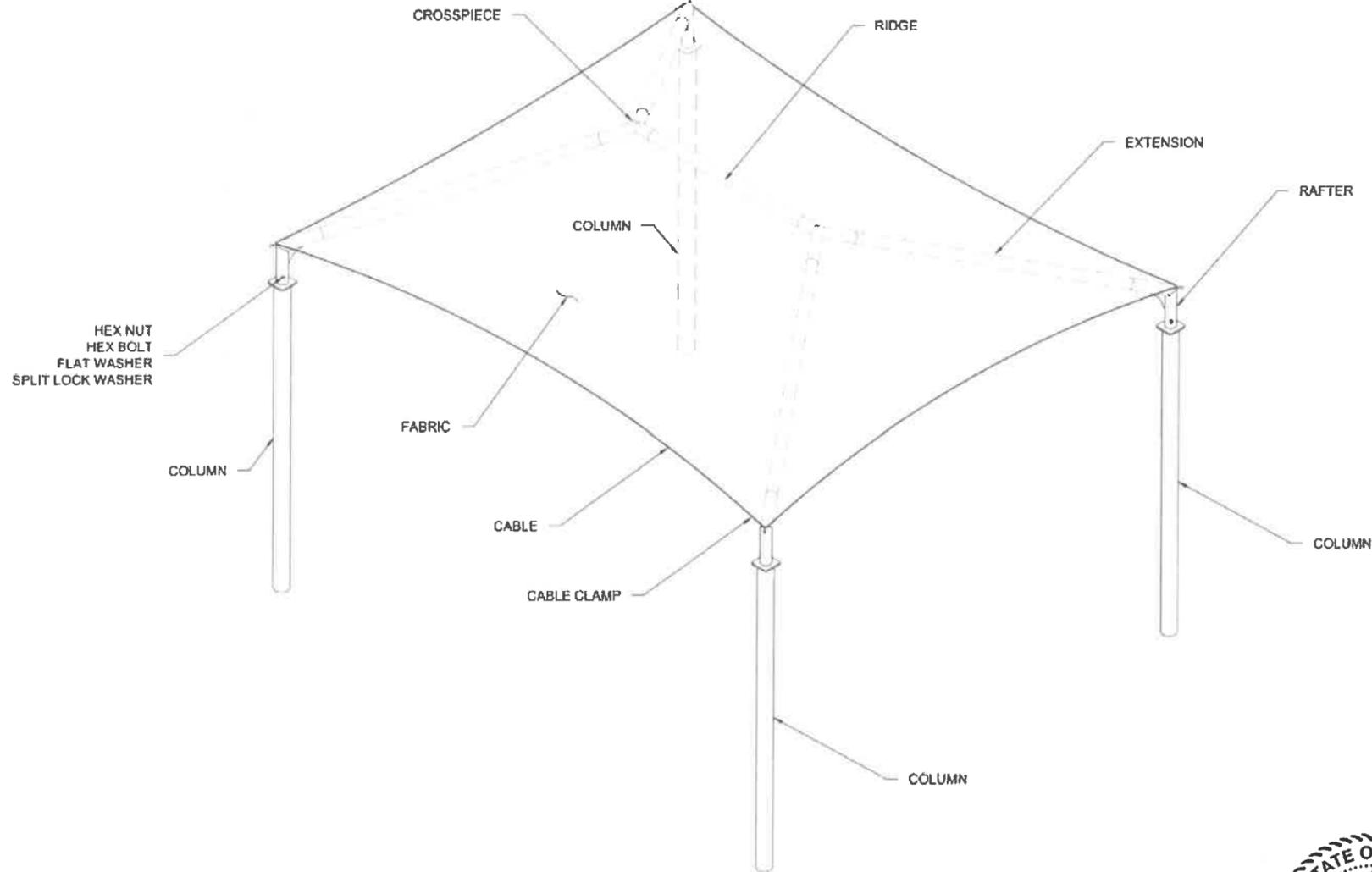
ROUND TUBE	50,000 PSI YIELD / 62,000 PSI TENSILE
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- ALL PLATES SHALL COMPLY WITH ASTM A572 GRADE 50.
- ALL STEEL TUBING SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.
- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
- 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.
- 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.
- 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.
- ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION.
- 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.
- 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

- 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
- | | | |
|----------------|--------------------------------------|--------------------------------------|
| | <u>SOLID COLORS</u> | <u>STRIPE COLORS</u> |
| TEAR STRENGTH | WARP 220.4622 LB
WEFT 462.9707 LB | WARP 182.9836 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
FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84
- 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

- WIRE ROPE CABLE SHALL BE 7x19 STRAND CORE GALVANIZED WIRE ROPE WITH A BREAKING STRENGTH VALUE OF 14,400 LBS (3/8" DIAMETER)
- 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 TAUT 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.
BOLT	4	BOLT,HEX,1/2"-13 x 5",GLV ASTM A325	306109
HEX NUT	4	NUT,HEX,1/2",GLV 1213 A 194 2H	308069
FLAT WASHER	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	5.000 GA 07 ROUND TUBING	PIH-500-194-350-SIN
EXTENSION	4	4.000 GA 08 ROUND TUBING	EXT-400-224
RIDGE	1	4.000 GA 08 ROUND TUBING	RID-400-152
FABRIC	1	FABRIC SHADESURE ROYAL BLUE	200000SRB
CABLE	1	WIRE ROPE, 7x19, 3/8", GALV	308175
RAFTER	4	UNPAINTED 400RAF-F5	400RAF-F5
CROSSPIECE	2	UNPAINTED 400CP-F5	400CP-F5

- 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
SHADE STRUCTURE 30' 0" x 36' 0"	U	V-B

NOTICE



Digitally signed by Thomas R. Sadler
Date: 2026.01.30
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TX FIRM REG NUM. F-4167

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.



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:
Playground Boss
PROJECT NAME:
Pulliam Construction Management
LOCATION:
Rockwall TX
PROJECT NUMBER:
Q-119201

STRUCTURE TYPE:
4 Post HIP 401

SIZE:
30' 0" x 36' 0" x 14' 0"

SCALE: AS NOTED

DRAWING SIZE

B

REV	DESCRIPTION FOR CONSTRUCTION	DATE	DRW	CHK	ENG
NC	RELEASE FOR CONSTRUCTION		QD	MB	MB

Eng. By: MB
Design By: QD
Approved By: MB
DRAWING DESCRIPTION:

NOTES // 11 OM

APPROVED:
I hereby certify that the above and foregoing site plan for development in the City of Rockwall, Texas, was approved by the Planning & Zoning Director on the 4 day of March, 2026.

[Signature]
Director of Planning & Zoning

TABLE OF DIMENSIONS

L	W	H	R	HT	D	RL	EL
36' 0"	30' 0"	14' 0"	5' 8"	19' 8"	46' 10"	12' 8"	18' 8"

TABLE OF DIMENSIONS KEY

L	LENGTH
W	WIDTH
H	DISTANCE FROM FINISHED SURFACE TO PIN
R	RAISE FROM RAFTER TO CROSSPIECE
HT	TOTAL HEIGHT
D	DIAGONAL
RL	RIDGE LENGTH
EL	EXTENSION LENGTH

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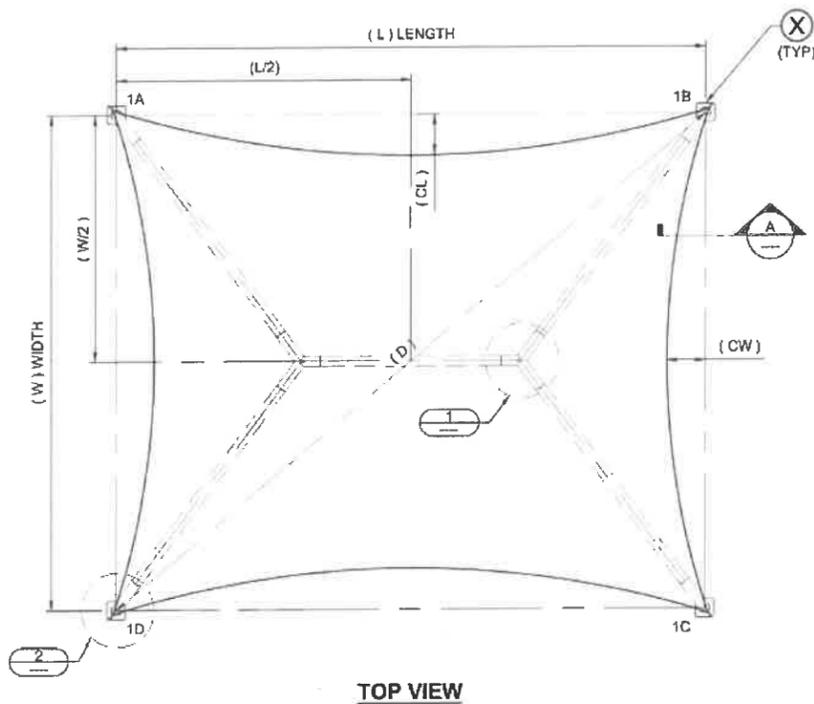
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NC	RELEASE FOR CONSTRUCTION		QD	MB	MB

Eng. By: MB
Design By: QD
Approved By: MB

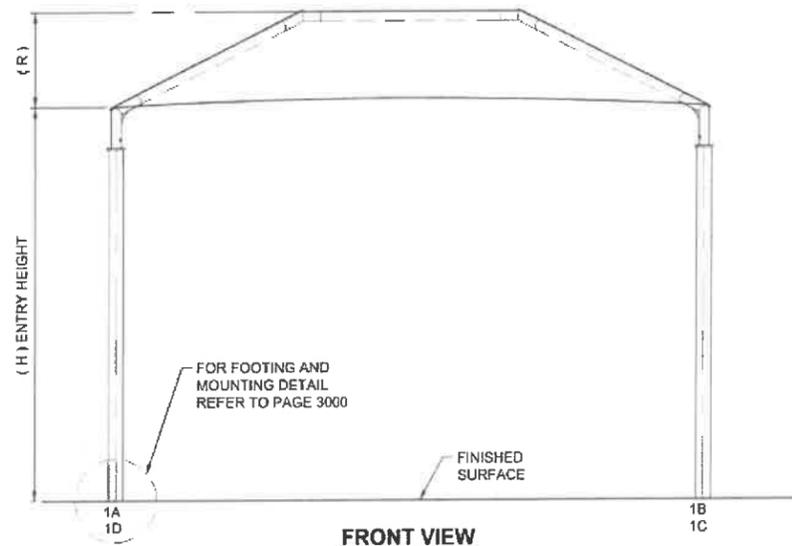
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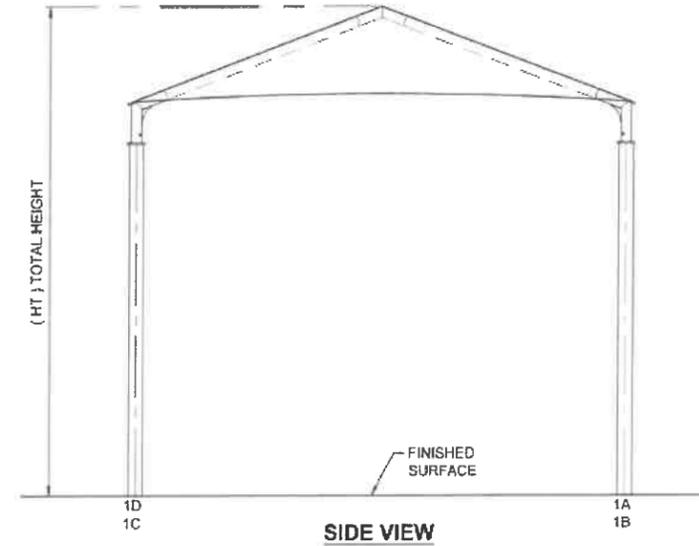
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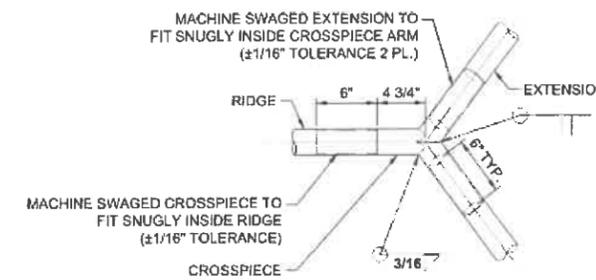
TOP VIEW



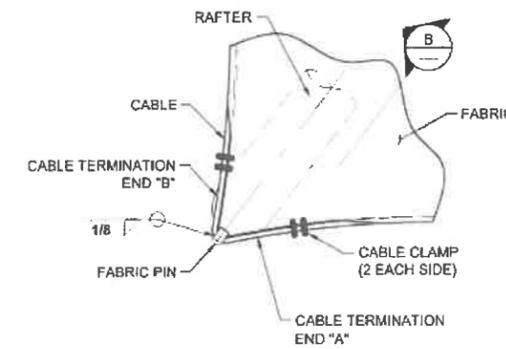
FRONT VIEW



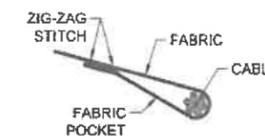
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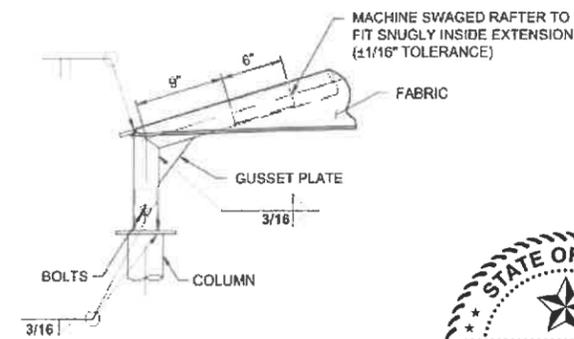
DETAIL 1



DETAIL 2



SECTION A-A



VIEW B-B
Digitally signed by Thomas R. Sadler
Date: 2026.01.30 10:50:58 -06'00



TX FIRM REG NUM. F-4167



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NC	RELEASE FOR CONSTRUCTION		QD	MB	MB

Eng. By:	MB
Design By:	QD
Approved By:	MB
DRAWING DESCRIPTION:	
FOOTING DETAILS	
DWG. PAGE	3000
REV	NC

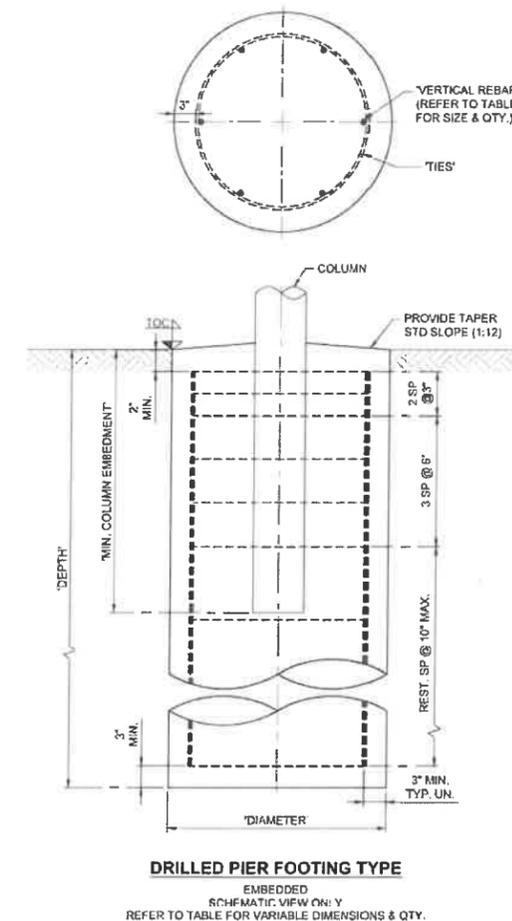
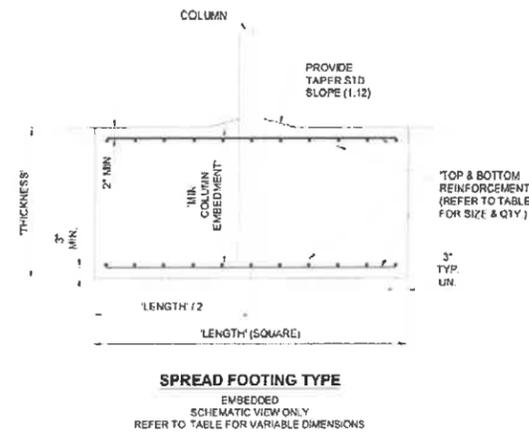
REINFORCED CONCRETE NOTES

- 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
- 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.
- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED).
- 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.
- SOIL PARAMETERS FOR FOOTING ANALYSIS; TABLE 1806.2, CLASS : 5 - 1500(PSF)
- FOR SPREAD FOOTING, EDGE OF COLUMN OR ANCHOR BOLTS MUST BE SET AT LEAST 12" FROM THE EDGE OF SPREAD FOOTING EDGE.
- SPREAD FOOTING ALLOWED TO BE ROTATED AS REQUIRED.

LENGTH (FT)	THICKNESS (FT)	TOP AND BOTTOM REINFORCEMENT		MIN. COLUMN EMBEDMENT (EMBED) (IN)	MIN. ANCHOR EMBEDMENT (RECESS. & SURFACE) (IN)
		QTY.	SIZE		
5.5	3.00	8	#5	33	19

DIAMETER (FT)	DEPTH (FT)	VERTICAL REBAR		TIES		MIN. COLUMN EMBEDMENT (EMBED) (IN)	MIN. ANCHOR EMBEDMENT (RECESS. & SURFACE) (IN)
		QTY.	SIZE	QTY.	Ø LOOP (FT)		
2.0	7.0	6	#6	12	1.5	33	19

NOTE: ADDITIONAL INSTALLATION COSTS FOR SPREAD FOOTING



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[Signature]
Director of Planning & Zoning

Digitally signed by **THOMAS R. SADLER**
Thomas R. Sadler 45440
Date: 2026.01.30 10:51:06 -06'00
TX FIRM REG NUM. F-4167