DESIGN CRITERIA

DEAD LOAD:

FABRIC: 0.25 PSF

SNOW LOAD: GROUND SNOW LOAD: 0 PSF ROOF SNOW LOAD: 0 PSF SNOW EXPOSURE FACTOR: 1.0 SNOW LOAD IMPORTANCE FACTOR: 1.0 THERMAL FACTOR: 1.2

LIVE LOAD: ROOF LIVE LOAD: 2.5 PSF

WIND LOAD:

BASIC WIND SPEED: 75 MPH WIND IMPORTANCE FACTOR: 1.0 WIND EXPOSURE CATEGORY: C

SÉISMIC DESIGN:

SEISMIC IMPORTANCE FACTOR: 1.0 SEISMIC SITE CLASS: D SEISMIC DESIGN CATEGORY: V

BASIC SEISMIC FORCE RESISTING SYSTEM: CANTILEVERED COLUMNS DETAILED

TO INTERMEDIATE MOMENT FRAMES

OWNER NOTES

FABRIC MEMBRANE(S) MUST BE REMOVED IF LIVE LOAD/ROOF SNOW LOAD IS EXPECTED TO EXCEED 2.5 PSF AND/OR THE BASIC WIND SPEED IS EXPECTED TO EXCEED 75 MPH.

2. THE OWNER ACCEPTS FULL RESPONSIBILITY OF REMOVING THE FABRIC FROM THE STEEL FRAME WHEN ANY OR ALL OF THESE CONDITIONS MAY OCCUR.

THE STEEL STRUCTURE WITH THE FABRIC REMOVED IS DESIGNED TO WITHSTAND DEAD LOADS, ROOF LIVE LOADS, SNOW LOADS, SEISMIC LOADS AND WIND SPEEDS PER THE LOCAL CODE

GENERAL NOTES

1. FABRIC MEETS NFPA 701-04.
2. ALL EXPOSED STEEL TO BE POWDERCOATED.

FOUNDATION DESIGN
CONCRETE COMPRESSIVE STRENGTH AFTER 28 DAYS: 2,500 PSI
STEEL REINFORCEMENT: ASTM-A615, GRADE 60 VERTICAL FOUNDATION PRESSURE: 1,500 PSF LATERAL BEARING PRESSURE: 100 PSF/F

IS RECOMMENDED THAT A SITE SPECIFIC GEOTECHNICAL REPORT IS CONDUCTED TO DETERMINE THE LOAD BEARING

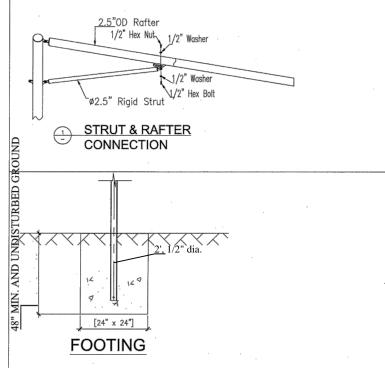
RESPONSIBILITY TO VERIFY THE LOCAL FROST DEPTH.

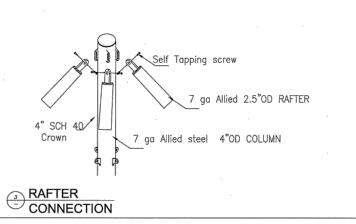
VALUES OF THE SOIL.
2. IF THE FOOTING DEPTH DOES NOT MEET LOCAL FROST REQUIREMENTS, FOOTINGS SHALL BE RE-DESIGNED UNDER THE DIRECTION OF AN ENGINEER. IT IS THE CONTRACTOR'S

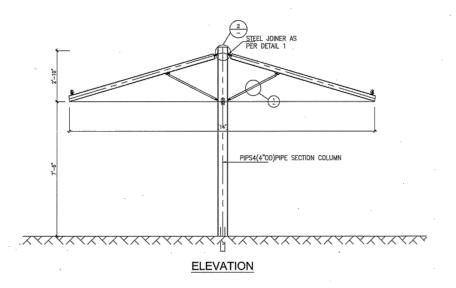
MATERIALS

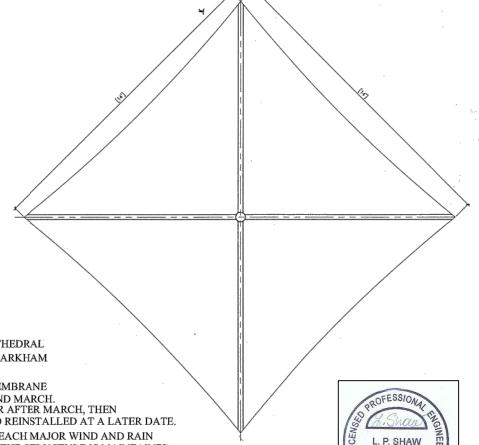
ALL MATERIALS LISTED BELOW MAY NOT BE SPECIFIC TO THIS PROJECT.

MEMBER TYPE STRENGTH	ASTM	MIN	YIELD
W SHAPES	A992	50	KSI
RECTANGULAR HSS TUBES	A500(GRADE B)	46	
SQUARE HSS TUBES	A500(GRADE B)	46	KSI
ROUND HSS TUBES	A500(GRADE B)	42	KSI
SCHEDULE PIPE		35	KSI
ROUND MECHANICAL TUBING	A519	42	KSI
MISCELLANEOUS PLATES/SHAPES		36	
CONNECTION BOLTS			KSI
HEADED ANCHOR BOLTS . F1554			
HOOKED ANCHOR BOLTS A307			
GALVANIZED AIRCRAFT CABLE S OF 7,000 LBS.	SHALL HAVE A N	OMINAL STRE	NGTH









PLAN VIEW

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RR 3, PUSLINCH ONTARIO, NOB 2JO CELL: (905) 923-7932 WIND595@GMAIL.COM

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1. THE STRUCTURE TO BE INSTALLED AT CATHEDRAL PUBLIC SCHOOL, 50 PRINCE OF WALES DR., MARKHAM ONTARIO.

2. THE STRUCTURE IS SEASONAL. FABRIC MEMBRANE MUST BE REMOVED BETWEEN DECEMBER AND MARCH. IF SNOW IS FORECAST BEFORE DECEMBER OR AFTER MARCH, THEN FABRIC MEMBRANE MUST BE REMOVED AND REINSTALLED AT A LATER DATE.

3. THE STRUCTURE TO BE INSPECTED AFTER EACH MAJOR WIND AND RAIN STORM TO ENSURE THAT THE INTEGRITY OF THE STRUCTURE IS MAINTAINED. REPAIRS TO BE UNDERTAKEN, AS NEEDED. IT IS THE OWNERS RESPONSIBILITY TO REMOVE, MAINTAIN THE STRUCTURE, AND CONDUCT INSPECTIONS. 4. STRUCTURE TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.

NOTES BY LKS CONSULTING INC., RR3, PUSLINCH, ONTARIO, CANADA, PH: 905-923-7932 EMAIL: WIND 595@GMAIL.COM

	FABRIC LINE HGT.	COLUMN SIZE	FRAME TUBE SIZE	STRUT SIZE		FOOTING REINFORCEMENT
	7'–6" EVE HEIGHT		PIPS 20 (2.5°OD)	, 020	24" x 24" x 48" Deep	2', 1/2" dia. rebar