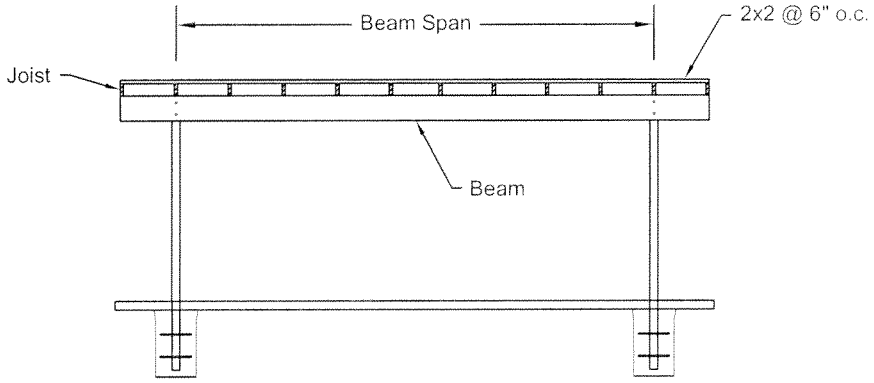
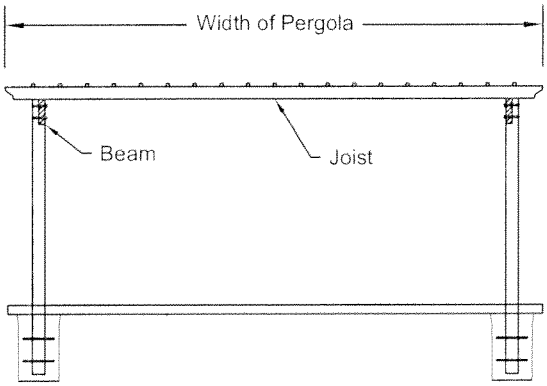
PERGOLA SPAN TABLES

MAXIMUM JOIST SPAN (ft)					
Joist size	2 x 4	2 x 6	2 x 8	2 x 10	2 x 12
Cedar	9'	14'	16'	17'-6"	18'-6"
SYP	10'	15'	17'-3"	19'	20'

MAXIMUM BEAM SPAN, ft. (16' WIDE PERGOLAS)										
Beam size	2 x 4	2 - 2 x 4	2 x 6	2 - 2 x 6	2 x 8	2 - 2 x 8	2 x 10	2 - 2 x 10	2 x 12	2 - 2 x 12
Cedar	5'	7'	7'-3"	10'-6"	9'-3"	13'-3"	11'-3"	16'	13'-3"	18'-6"
SYP	5'-3"	7'-3"	7'-9"	10'-9"	9'-9"	13'-9"	11'-6"	16'	13'-6"	18'-9"

MAXIMUM BEAM SPAN, ft. (20' WIDE PERGOLAS)										
Beam size	2 x 4	2 - 2 x 4	2 x 6	2 - 2 x 6	2 x 8	2 - 2 x 8	2 x 10	2 - 2 x 10	2 x 12	2 - 2 x 12
Cedar	4'-6"	6'-3"	6'-6"	9'-3"	8'-3"	11'-9"	10'-3"	14'-3"	11'-9"	16'-6"
SYP	4'-6"	6'-6"	7'	9'-9"	8'-9"	12'-3"	10'-6"	14'-6"	12'-3"	17'





Notes:

1. Live Load = 5 psf. (Table 1607.1, Awnings and Canopies). *No decking allowed, roof shall remain open*.
2. Use # 2 or higher grade.
3. Drawing is for reference only. Design shall be submitted separately.

STANDARD DRAWING	PERGOLA SPAN TABLES	APPROVED BY: BUILDING OFFICIAL	
CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS & ENGINEERING		APPROVED BY: CITY ENGINEER	
	1002 WASHINGTON AVE., HOUSTON, TEXAS 77002	DATE: 8 / 12 / 2014	DWG No: 14-01-R	1 of 1