

YILDIZ TECHNICAL UNIVERSITY
FACULTY OF CIVIL ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
FALL 2019 – DESIGN OF STEEL STRUCTURES – PROJECT SHEET

	A	B	C	D	E	F	G	H
Student ID:								
Name-Surname:								
Advisor:								
Sections								
Columns:	HEB							
Beams:	IPE							
Braces:	UPN							
Secondary Beams:	IPE							
Purlins:	IPE							
Roof Chords:	UPN							
Roof Trusses:	HSS							
Material								
Structural Steel:	S355							
Electrodes for Welds:	E80XX							
Bolt Class:	10.9							
Design Parameters								
L (frame span):	$5 + 0.20*B + 0.05*G + 0.08*H$							
Lo (frame spacing):	$4 + 0.20*B + 0.04*G + 0.12*H$							
h (truss height):	$2 + 0.15*B + 0.05*G + 0.16*H$							
Construction Site:	Sakarya (H=0, 1, 2, 3)		Tekirdağ (H=4, 5, 6)			Sivas (H=7, 8, 9)		
Roof Tile:	27-200 (G=0, 1)		45-900 (G=2, 3, 4)		68-980 (G=5, 6, 7)		55-840 (G=8, 9)	

Please see second page for section view and floor plan details of the planned structure; and see **tile catalogue pdf files** for roof tile properties.

You can download pdf files from following web-pages:

avesis.yildiz.edu.tr/moyilmaz

avesis.yildiz.edu.tr/yilmazo

