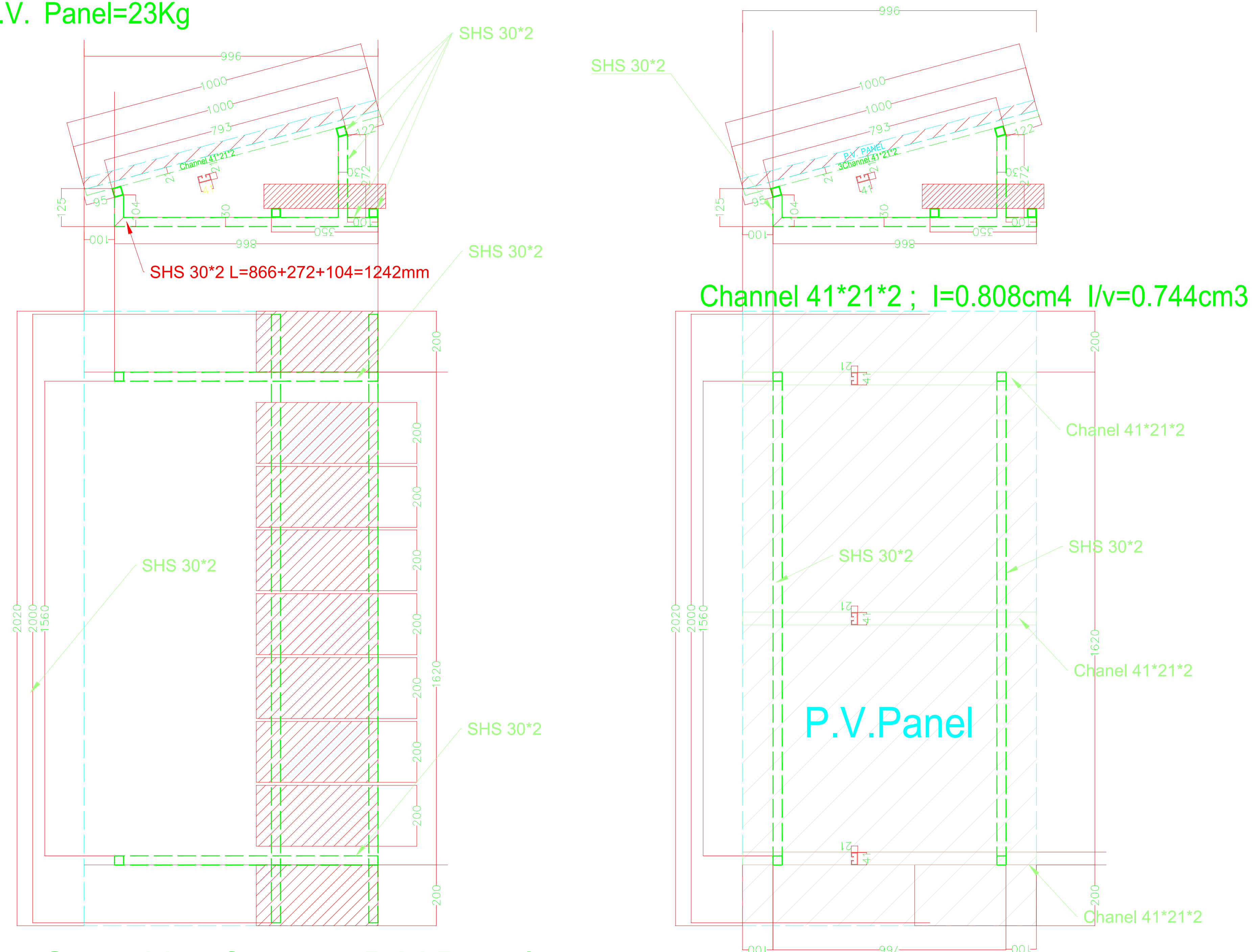


TYPICAL STRUCTURE FOR 1 PV PANEL

LOADS: Self weight + wind (exposed)
or Self weight + Snow(125kg/m²)

P.V. Panel=23Kg



Quantities for one P.V.Panel

SHS 30*2=2*1242+4000+2*1620=9724mm=17Kg

Channels $41 \times 21 \times 2 = 3 \times 1000 = 3000 \text{ mm} = 4.5 \text{ Kg}$

Total Weight=17+4.5=21.5Kg

Concrete blocks $400 \times 200 \times 8 = 9U \times 15Kg = 135Kg$

Channel 41*21*2 ; Equivalent to RHS 40*20*1 :l=0.81cm4

NOTES:

LEGEND:

REVISIONS:

REVISION NO.	DESCRIPTION	DATE
0	ISSUED FOR EXECUTION	05-05-23

CONSULTANT:



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CLIENT:

GIZ

PROJECT DESCRIPTION:

ROOF PV SYSTEM

DRAWING TITLE:

STEEL STRUCTURE DESIGN

PROJECT PHASE:	DRAWING SCALE:	DRAWING DISCIPLINE:
EXECUTION	NTS	STRUCTURAL