detail a-7

254 * 146 * 32kg/m Galvanized
Mild Steel I-Beam (Vierendeel
truss)

gms 40 x 40 equal angle frame

20 diameter gms tension cable as
per structural engineer
specifications

(2) 65 x 65 equal angle bracket
facing back to back and spaced
16mm apart and bolted to I-beam
flange to connect end of tension
cable and I-beam

1000 x 4000 pre-drilled and fixed
composite panel consisting of 140
x 22 tongue and groove
eucalyptus diversicolor (outside)
and 12.7 gypsum board (inside)
cladding fixed to gms lipped
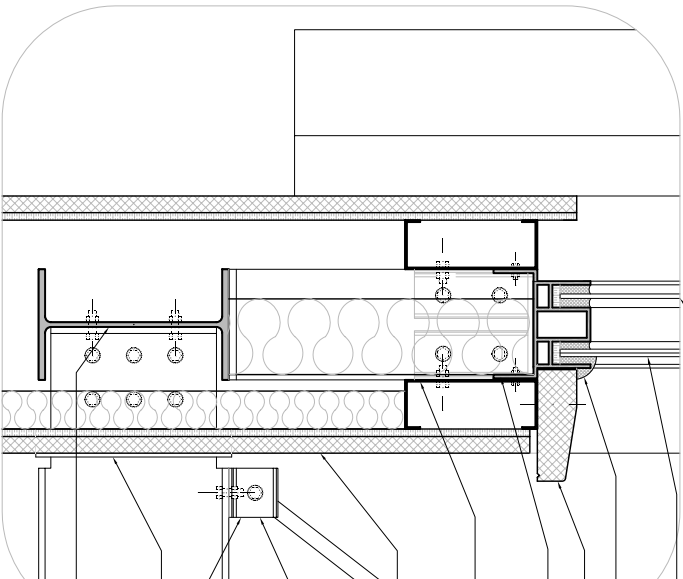channels with self tapping screws

165 x 26 x 20 x 2.5 gms lipped
channel nogging connected to 254
x 146 x 32 vertical I-profile @
5500 centres with 60 x 120
unequal angle and M10 bolts

purpose made gms window frame
according to window schedule to be
bolted with gms M6 bolts to lipped
channel

purpose made eucalyptus diversicolor
window frame

polymer based sealent

10 clear laminated structural glazing to
be seperated from frame with neoprene
spacer and sealed with appropriate
polymer sealent

6mm glazing to be seperated from frame
with neoprene spacer and sealed with
appropriate polymer sealent

detail a-6

6mm glazing to be seperated from
frame with neoprene spacer and
sealed with appropriate polymer
sealent

10 laminated structural glazing to
be seperated from frame with
neoprene spacer and sealed with
appropriate polymer sealent

purpose made gms window frame
according to window schedule to
be bolted with gms M6 bolts to
flange of gms I-profile beam

pre-drilled and manufactured
composite panel consisting of 140
x 22 tongue and groove Eucalypus
diversicolor and 12.7 gypsum
board cladding fixed to gms
lipped channels with self tapping
screws

254 * 146 * 32kg/m Galvanized
Mild Steel I-Beam (Vierendeel
truss)

purpose made gms window frame
according to window schedule to
be bolted with gms M6 bolts to
bottom and top of lipped channel
lip

10 clear laminated structural
glazing to be seperated from
frame with neoprene spacer and
sealed with appropriate polymer
sealent