HY-TEN
GABION SOLUTIONS

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GABION INSTALLATION CHECKING SHEET

DESIGN CHECK ITEMS	YES		NO	Action if No
Do you have copies of design Sections?				Contact designer
Do you have copies of wall profile?				Contact designer
The stone fill specification is 100 to 200mm ☐ 80 to 150mm ☐ Is the stone fill Correct?				Contact designer to check if stone fill is acceptable or contact stone supplier for correct grading
The wall inclination is designed at 0 degrees ☐ 6 degrees ☐ 10 degrees ☐ Is the grade to the foundation correct?				Contact designer to see if wall inclination can be amended or regrade to correct falls
Is wall to correct line?				Reset wall alignment
Is the wall to be hand faced?				
The design is based on the following foundation material Existing sub grade ☐ Type 1 or class 6N ☐ Concrete ☐ Rockfill ☐ Is the material correct?				Check with designer that foundation is acceptable
The design surcharge is 2.5 kN/sqm ☐ 5 kN/sqm ☐ 10 kN/sqm ☐ 20 kN/sqm ☐ Will construction loadings exceed design surcharge?				Check with designer

INSTALLATION	YES		NO	Action if No
Assembly :-Lacing system - Are all joints to laced continuously?				Re assemble in accordance with manufacturers instructions
Helicals - Are Helicals fitted to all vertical joints?				Lock helicals
Are helical ends turned through 90 degrees to lock them?				Fix more rings
Rings Are the site assembly rings clipped to every mesh?				
Filling Are voids present?				Re pack unit
Are cross ties formed as a proper windlass?				Re-install cross ties as proper a windlass
Are windlass ties loose?				Tighten windlass
Is windlass causing mesh to deform because it is too tight?				Redo windlass
Are cross ties installed at mid height on 500mm or 700mm deep units or 1/3rd height on 1m deep units?				Install windlass ties at correct positions
Does the unit have to have hand placed stone to face?				Check with designer
If deformation occurs to face, is it acceptable?				Place more fill to top of unit
Does the lid bear down on the stone fill?				
Closing units				
Lacing Are the gabions fully continuously laced on all horizontal joints?				Contact designer to check if stone fill is acceptable or contact stone supplier for correct grading
Rings Are rings clipped to one every mesh on all horizontal joints?				
If more than one course of gabions is required, are subsequent courses fully jointed by lacing or rings to the front and rear of the units?				Reform joints

The completed design and installation check should be given to the Site Supervising Engineer and in the case of designs carried out by HY-TEN a copy must be returned to HY-TEN duly completed.

Gabion Installation Contractor:-

Signed Dated