

Katana Pile Product Codes :

Katana 80kN Pile Product :

Part Code	Item Description	Pile Length (m)
CFKF.SP010.8Ton	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	1.0
CFKF.SP015.8Ton	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	1.5
CFKF.SP020.8Ton	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	2.0
CFKF.SP025.8Ton	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	2.5
CFKF.SP030.8Ton	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	3.0
CFKF.SP035.8Ton	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	3.5
CFKF.SP040.8Ton	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	4.0
Minimum CHS Specification: AS/NZS1163:2016 C350LO - 350 MPa (Yield Strength) - 430 MPa (Tensile Strength)		

Katana 100kN Pile Product :

Product Code	Item Description	Pile Length (m)
CFKF.SP010.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	1.0
CFKF.SP015.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	1.5
CFKF.SP020.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	2.0
CFKF.SP025.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	2.5
CFKF.SP030.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	3.0
CFKF.SP035.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	3.5
CFKF.SP040.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	4.0
Minimum CHS Specification: AS/NZS1163:2016 C350LO - 350 MPa (Yield Strength) - 430 MPa (Tensile Strength)		

Katana 150kN Pile Product :

Product Code	Item Description	Pile Length (m)
CFKF.SP010.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	1.0
CFKF.SP015.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	1.5
CFKF.SP020.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	2.0
CFKF.SP025.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	2.5
CFKF.SP030.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	3.0
CFKF.SP035.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	3.5
CFKF.SP040.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	4.0
Minimum CHS Specification: AS/NZS1163:2016 C350LO - 350 MPa (Yield Strength) - 430 MPa (Tensile Strength)		

Katana 80 and 100kN Pile Extension Product :

Product Code	Item Description	Pile Length (m)
CFKF.EXT010	80 kN Pile Extension, CHS 76.1 x 4.0 wall	0.995
CFKF.EXT015	80 kN Pile Extension, CHS 76.1 x 4.0 wall	1.495
CFKF.EXT020	80 kN Pile Extension, CHS 76.1 x 4.0 wall	1.995
CFKF.EXT025	80 kN Pile Extension, CHS 76.1 x 4.0 wall	2.495
CFKF.EXT030	80 kN Pile Extension, CHS 76.1 x 4.0 wall	2.995
CFKF.EXT035	80 kN Pile Extension, CHS 76.1 x 4.0 wall	3.495
Minimum CHS Specification: AS/NZS1163:2016 C350LO - 350 MPa (Yield Strength) - 430 MPa (Tensile Strength)		

Katana 150kN Pile Extension Product :

Product Code	Item Description	Pile Length (m)
CFKF.EXT010.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	0.995
CFKF.EXT015.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	1.495
CFKF.EXT020.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	1.995
CFKF.EXT025.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	2.495
CFKF.EXT030.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	2.995
CFKF.EXT035.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	3.495
Minimum CHS Specification: AS/NZS1163:2016 C350LO - 350 MPa (Yield Strength) - 430 MPa (Tensile Strength)		

Katana Pile Connector Product :

Product Code	Item Description
CFKF.EC250	Edge Beam Connector, 250 N16 Bar 350 Grade, M36 x 75 Thread
CFKF.SP200	Slab Load Transfer Plate 200 x 200 x 6, 350 grade, M36 x 75 Thread
CFKF.BP200.Slotted	Slotted Bearer Load Transfer Plate 200 x 200 x 8, 350 grade, M36 x 200 Thread
CFKF.BP200	Bearer Load Transfer Plate 200 x 200 x 8, 350 grade, M36 x 200 Thread
CFKF.BP200.Brace	Slotted Bearer Connector Plate 156 x 106 x 6, 350 grade
CFKF.Polyvoid.Plate	Load Transfer Plate 200 x 200 x 8, 350 grade M36 x 75 Thread

Katana Pile Adaptor Product :

Product Code	Item Description
CFKF.PT-010	Pile Adaptor to suite - 80 kN Pile, CHS 76.1 x 100 x 4.0 wall

Katana Pile Brace Kit:

Product Code	Item Description
CFKF.Brace Kit	Bracing Kit - 4 x 'U' Bracket, Galvanised Flat Bar - 2 x Turnbuckles, Galvanised M16 - Round Bar, 16 Q Round Bar

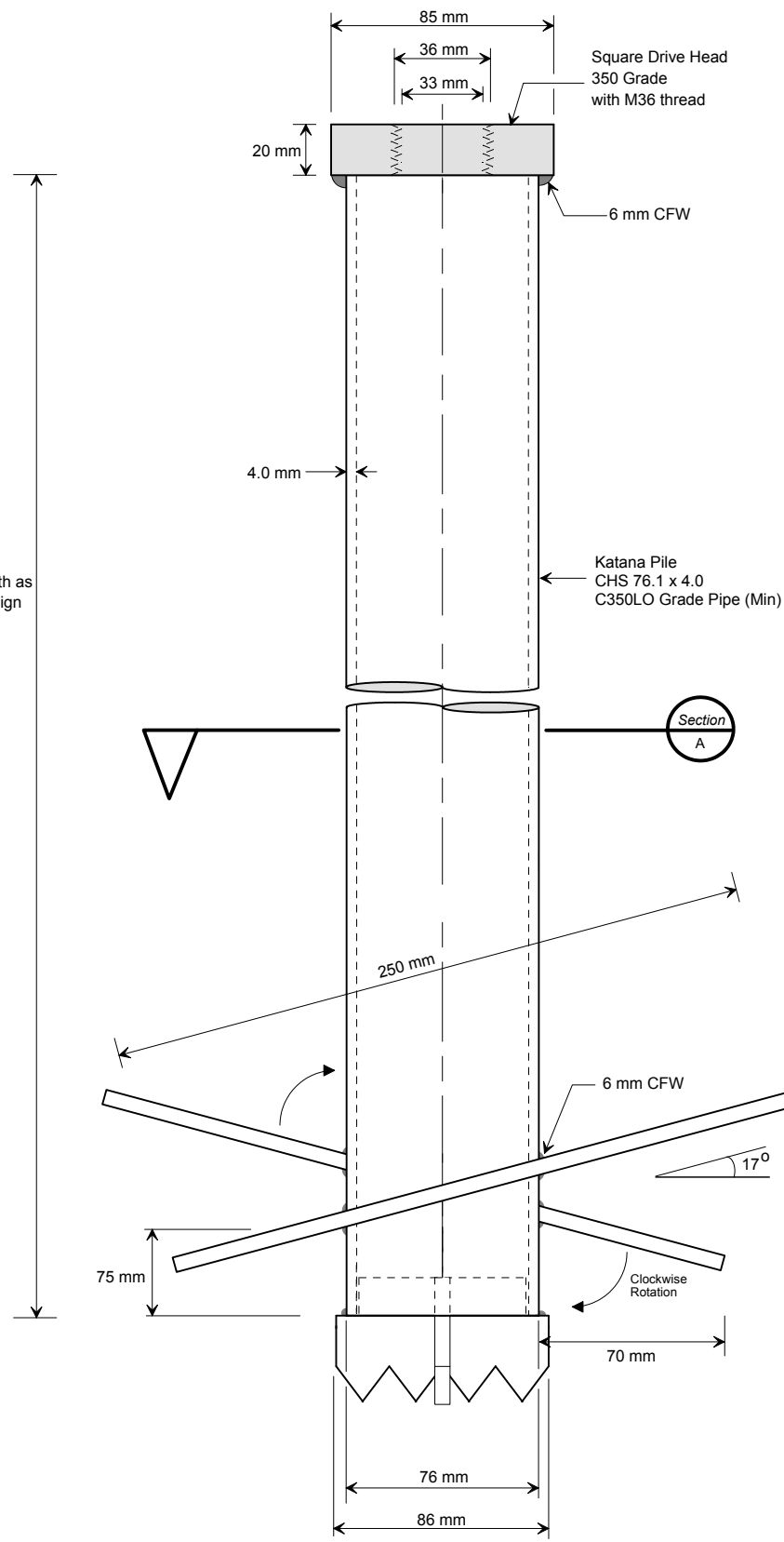
Katana Pile Connector Product :

Part Code	Item Description
CFKF.TISP200	Tie In Slab Plate 250 x N16 Bar 350 Grade, M36 Thread x 75 with 200 x 200 x 6 Plate, 350 Grade.

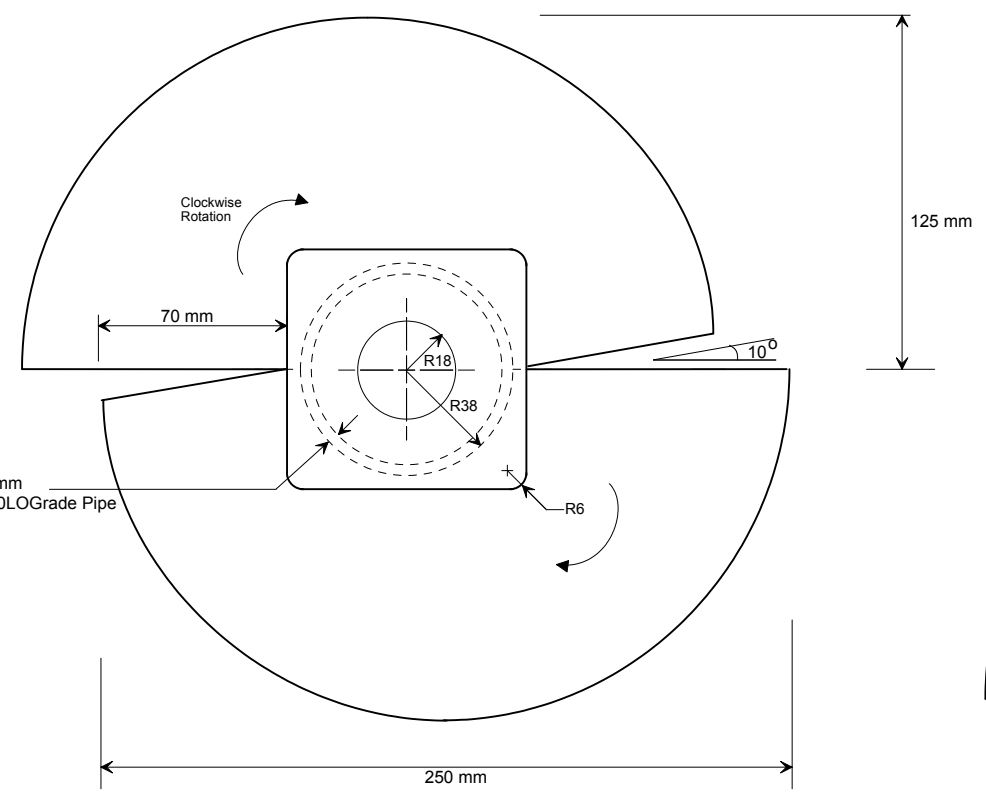
80 kN Katana Pile - 8 mm Helix

Katana Pile Length as per Engineer Design Requirements

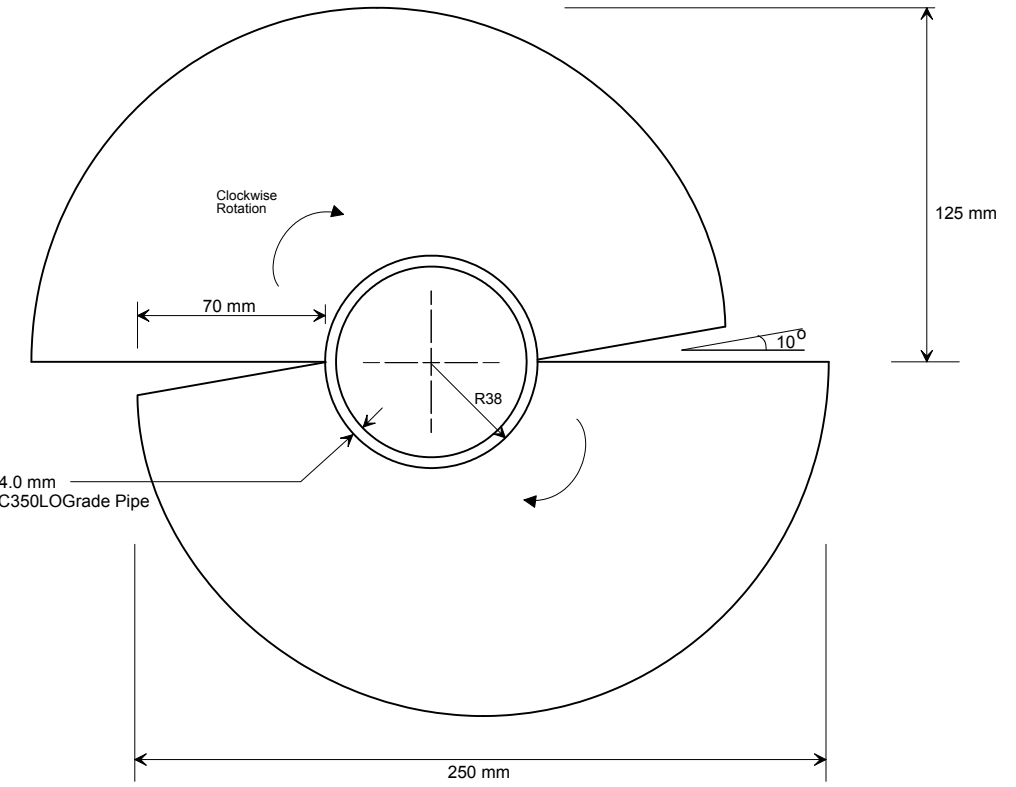
- 0.995 metre
- 1.495 metre
- 1.995 metre
- 2.495 metre
- 2.995 metre
- 3.495 metre
- 3.995 metre



Side View (Pile)



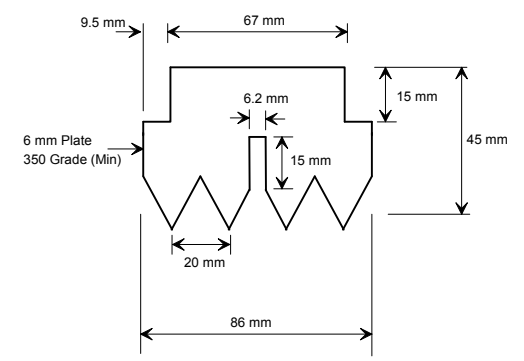
Plan View



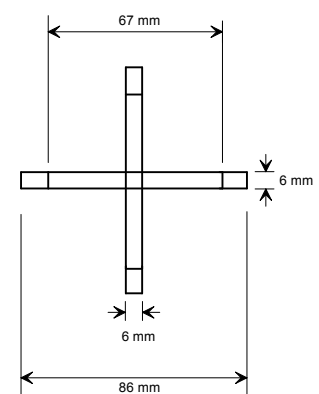
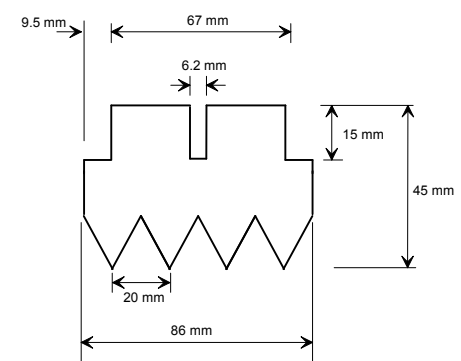
Section View

Katana 80kN Pile Product :

Parts Code	Item Description	Pile Length (m)
CFKF. SP010	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	1.0
CFKF. SP015	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	1.5
CFKF. SP020	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	2.0
CFKF. SP025	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	2.5
CFKF.SP030	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	3.0
CFKF. SP035	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	3.5
CFKF. SP040	80 kN Pile, CHS 76.1 x 4.0 wall, 250 x 8 Helix	4.0



Side View

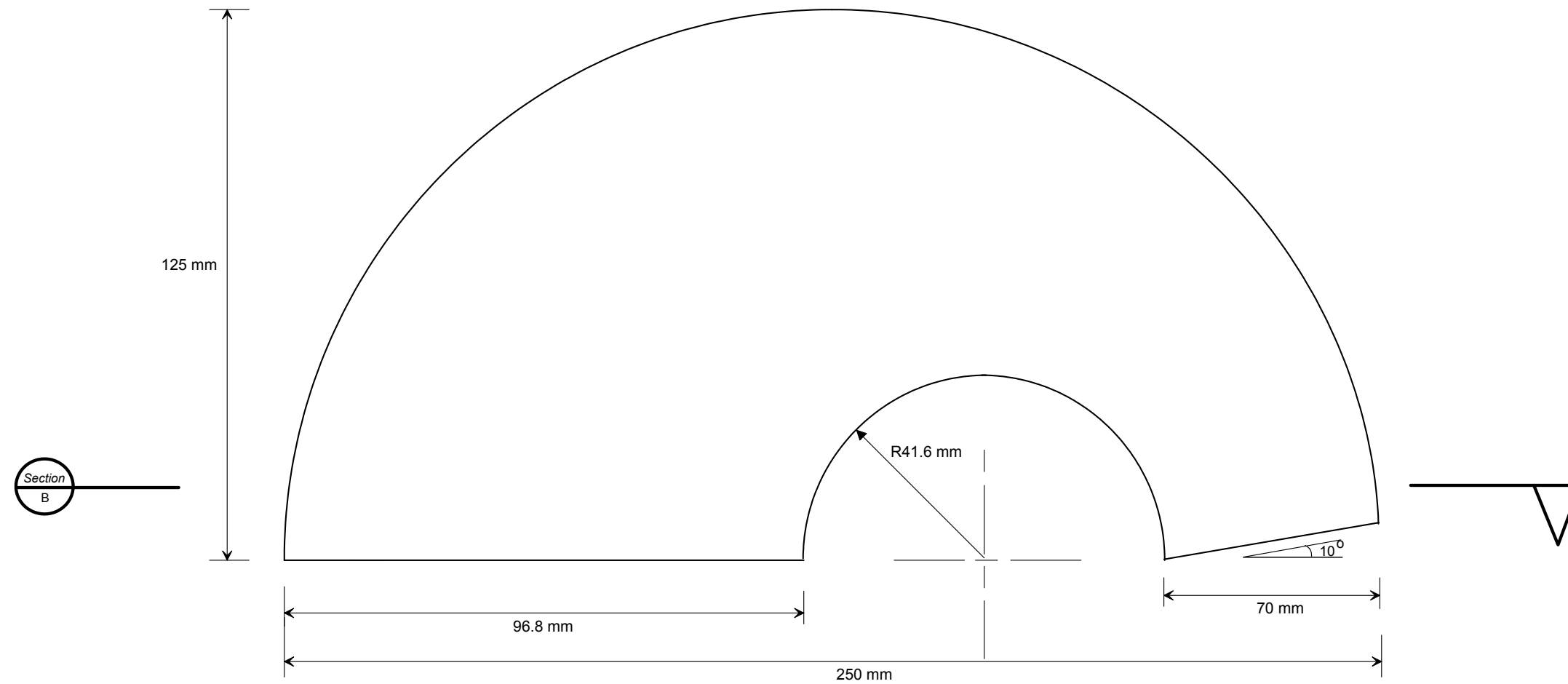


Plan View

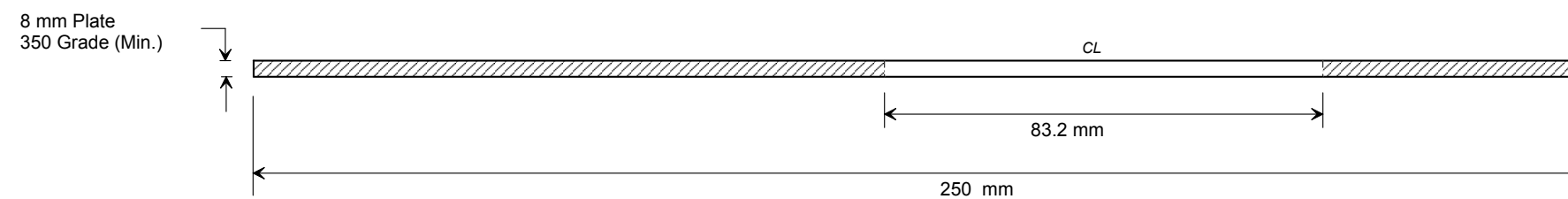
Cutting Comb

Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W

**Typical Katana Pile
80kN Helix Details**



Plan View

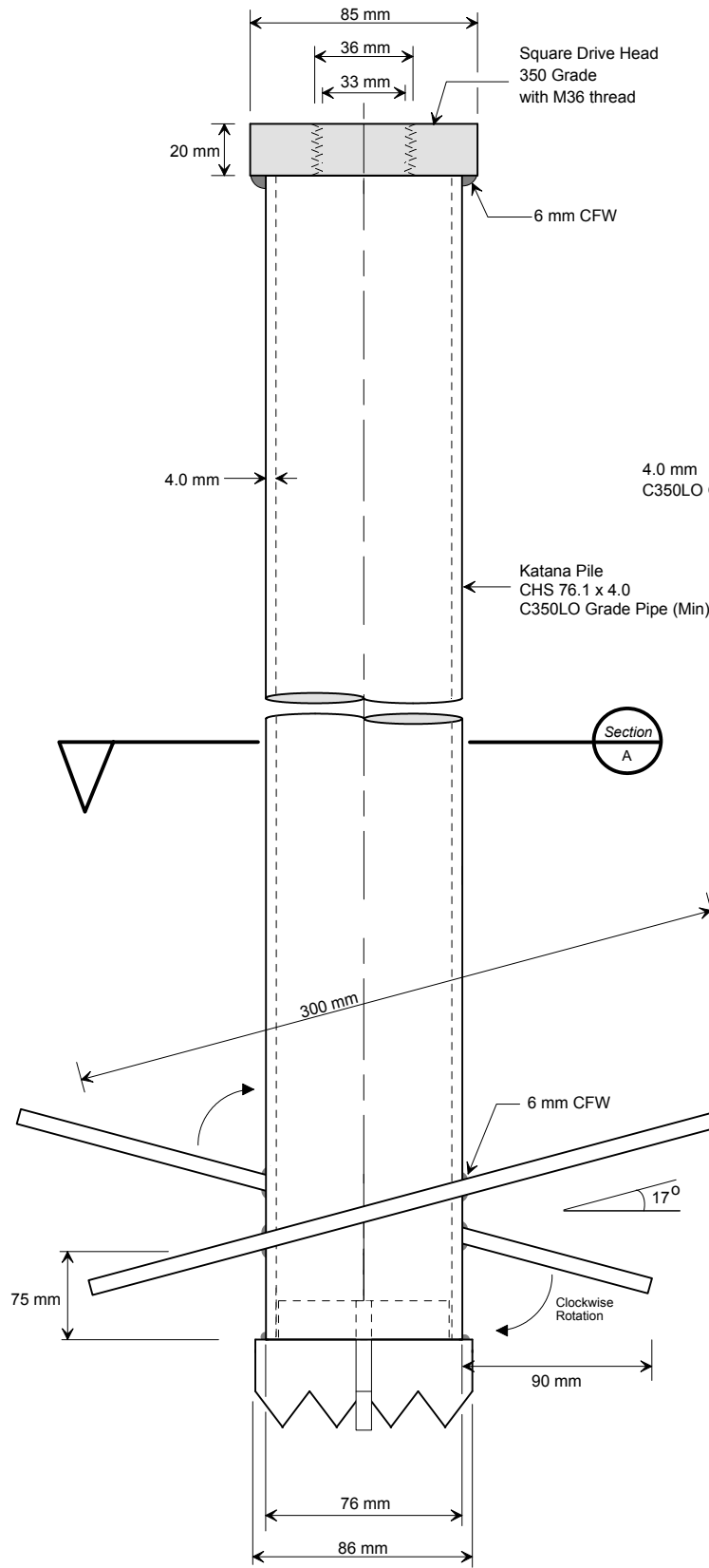


Section View - B

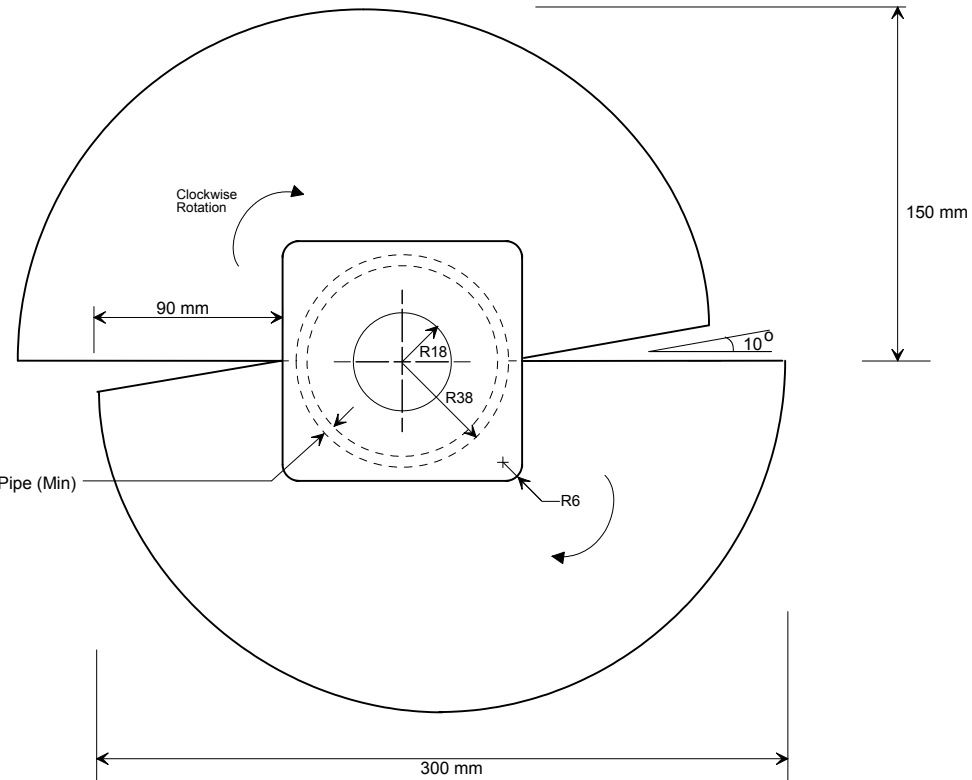
Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W

100 kN Katana Pile

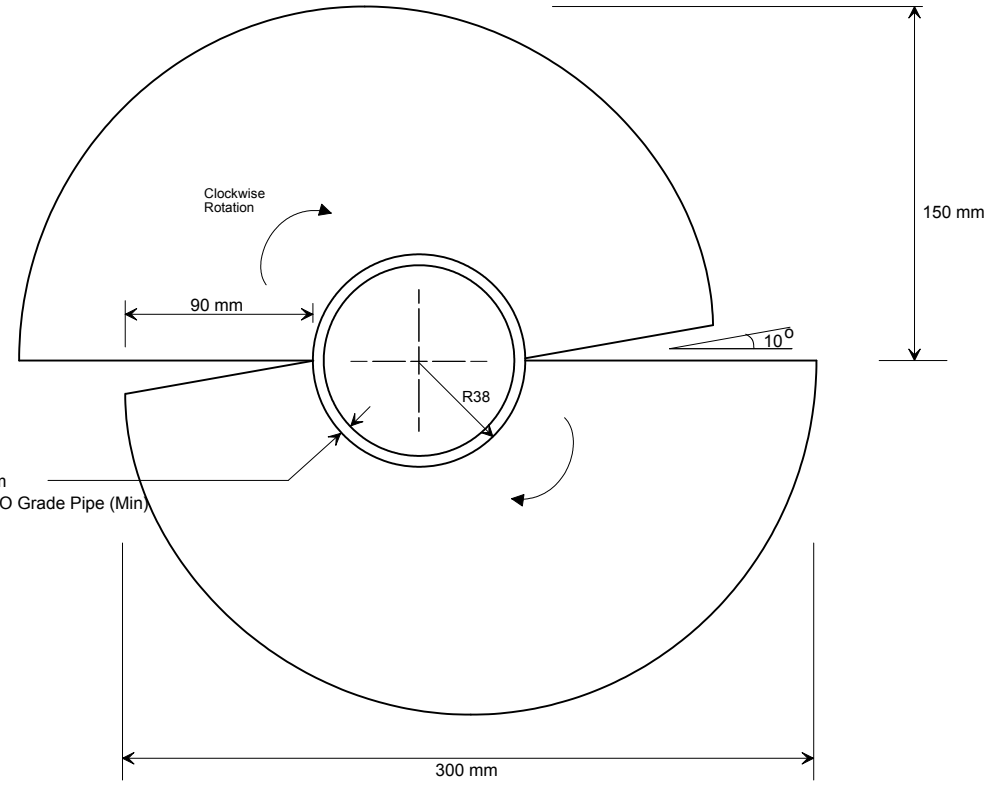
Katana Pile Length as per Engineer Design Requirements
 - 0.995 metre
 - 1.495 metre
 - 1.995 metre
 - 2.495 metre
 - 2.995 metre
 - 3.495 metre
 - 3.995 metre



Side View (Pile)



Plan View

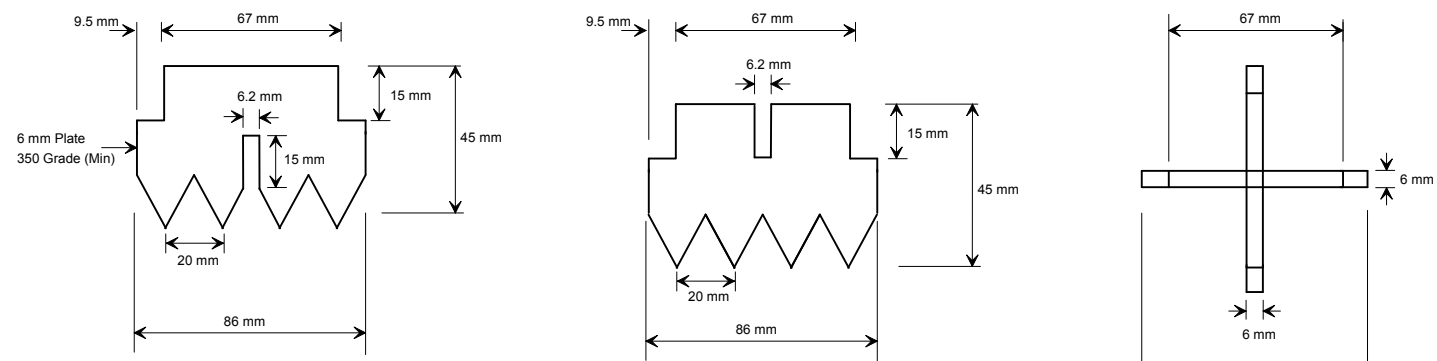


Section View

Katana 100kN Pile Product :

Part Code	Item Description	Pile Length (m)
CFKF.SP010.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	1.0
CFKF.SP015.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	1.5
CFKF.SP020.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	2.0
CFKF.SP025.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	2.5
CFKF.SP030.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	3.0
CFKF.SP035.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	3.5
CFKF.SP040.10Ton	100 kN Pile, CHS 76.1 x 4.0 wall, 300 x 8 Helix	4.0

Cutting Comb

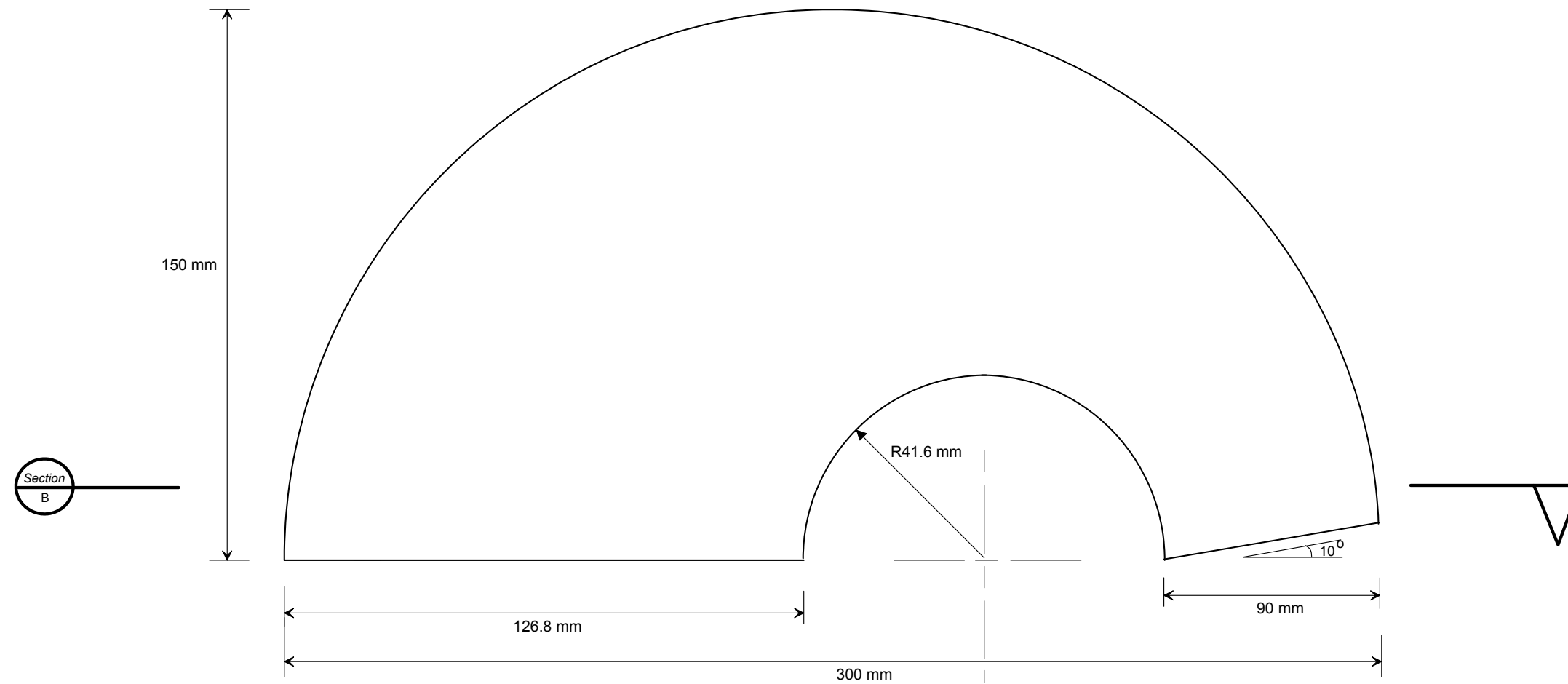


Side View

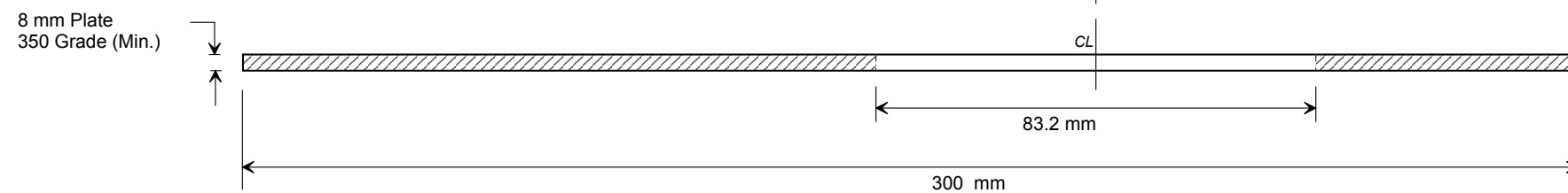
Plan View

Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W

**Typical Katana Pile 100 kN
Helix Details**



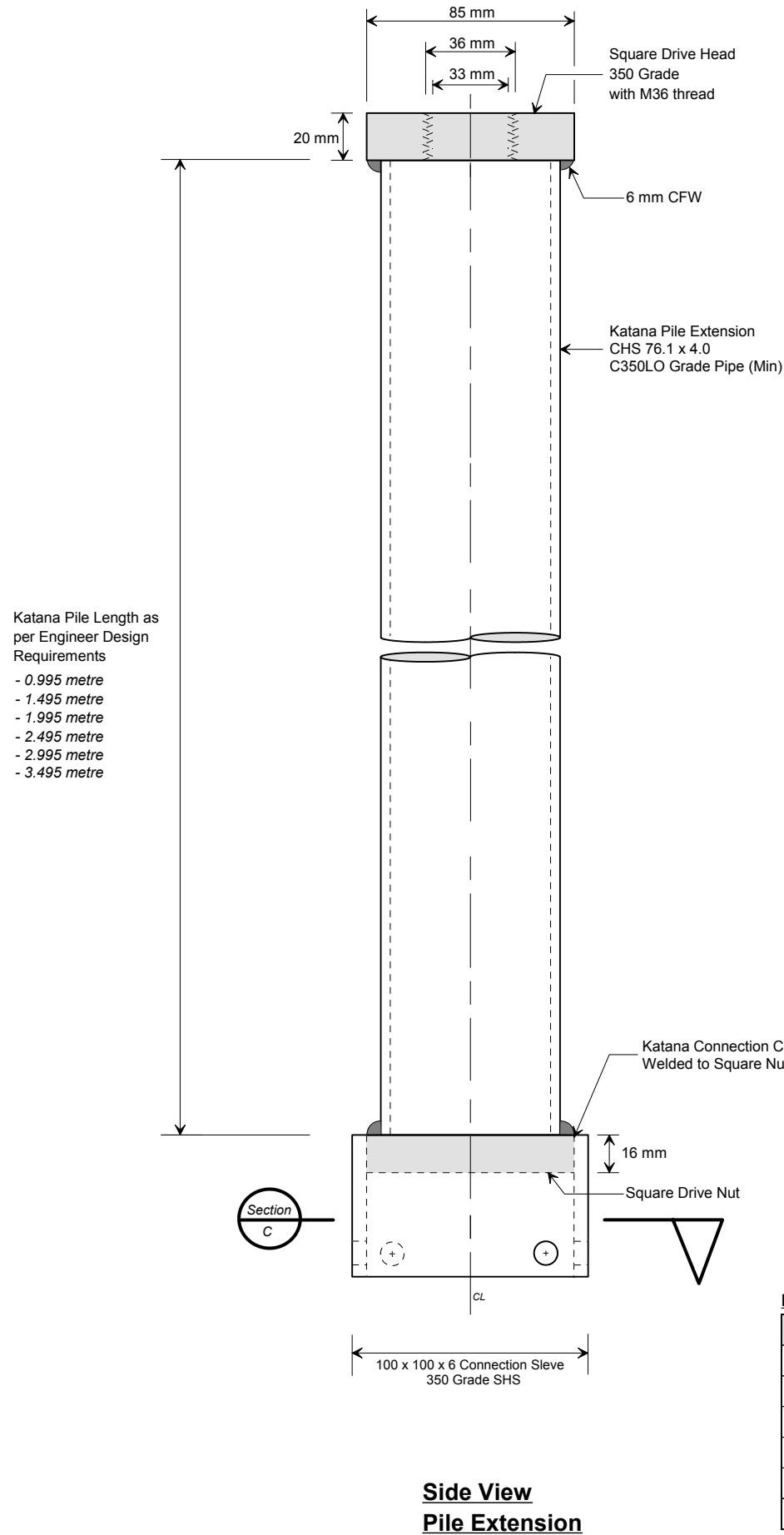
Plan View



Section View - B

Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W

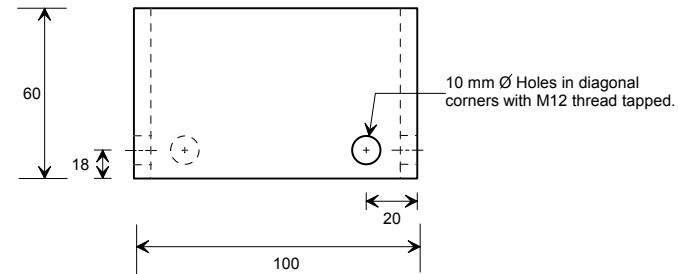
80/ 100 kN Katana Pile Specifications Extensions (EXT)



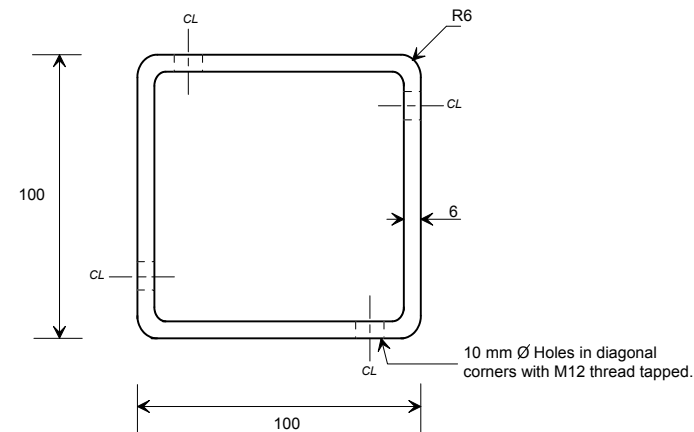
Katana Pile Length as per Engineer Design Requirements

- 0.995 metre
- 1.495 metre
- 1.995 metre
- 2.495 metre
- 2.995 metre
- 3.495 metre

Katana Pile Connection Collar

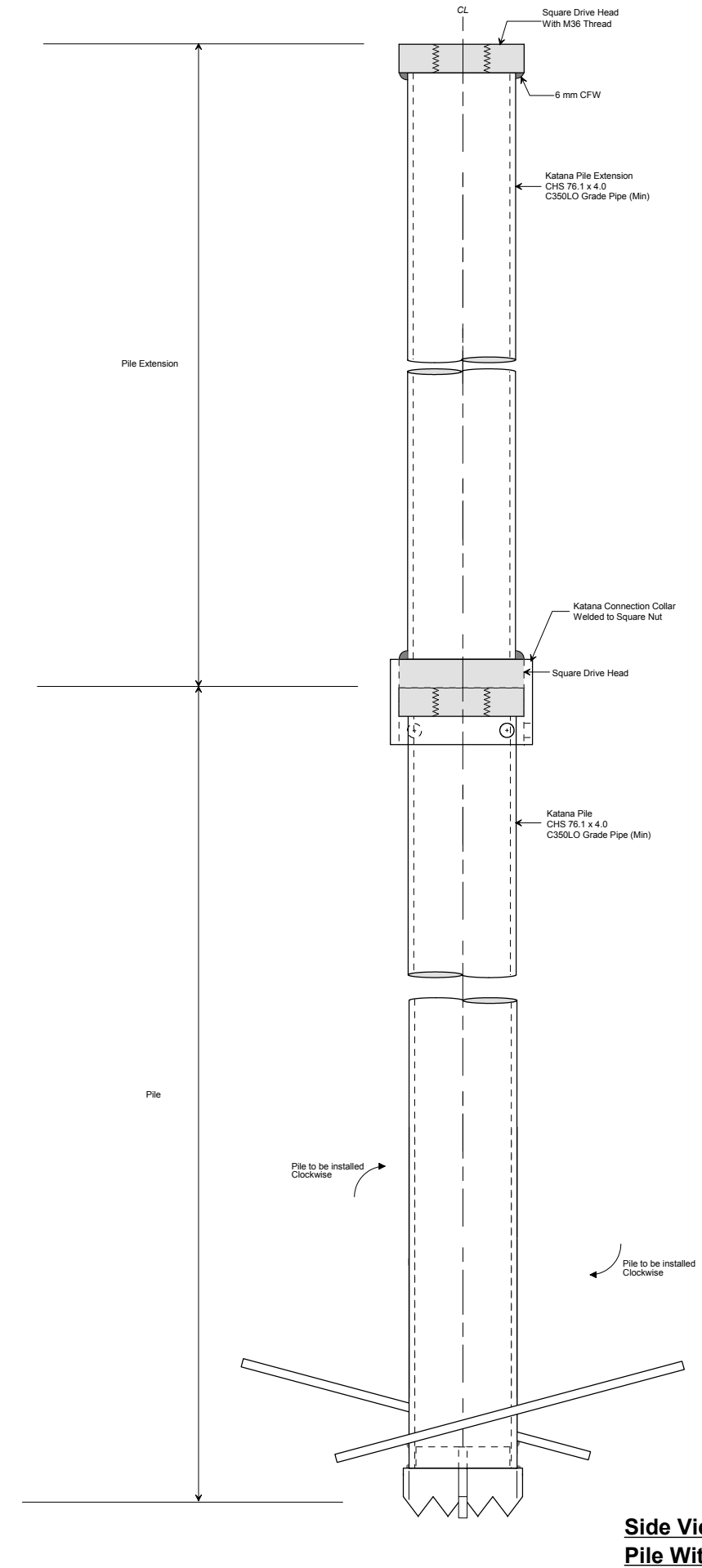


Section C

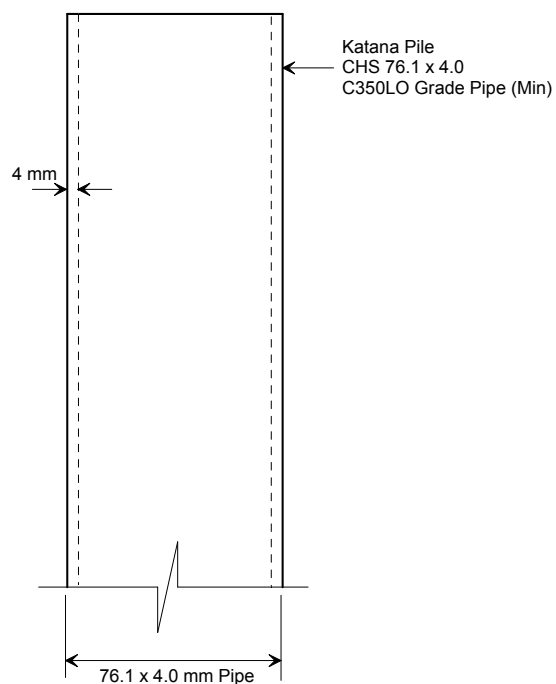


Katana 80kN Pile Extension Product :

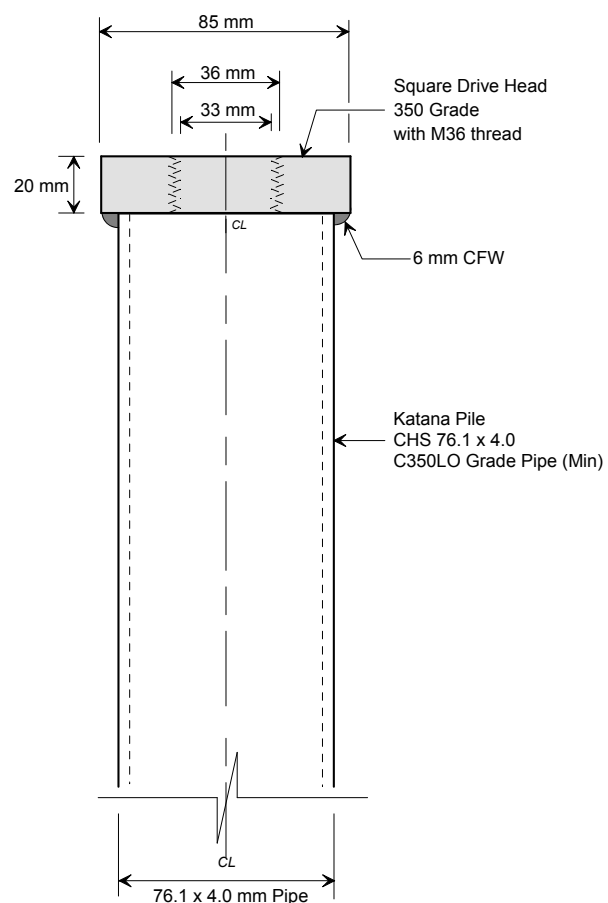
Product Code	Item Description	Pile Length (m)
CFKF.EXT010	80 kN Pile Extension, CHS 76.1 x 4.0 wall	0.995
CFKF.EXT015	80 kN Pile Extension, CHS 76.1 x 4.0 wall	1.495
CFKF.EXT020	80 kN Pile Extension, CHS 76.1 x 4.0 wall	1.995
CFKF.EXT025	80 kN Pile Extension, CHS 76.1 x 4.0 wall	2.495
CFKF.EXT030	80 kN Pile Extension, CHS 76.1 x 4.0 wall	2.995
CFKF.EXT035	80 kN Pile Extension, CHS 76.1 x 4.0 wall	3.495



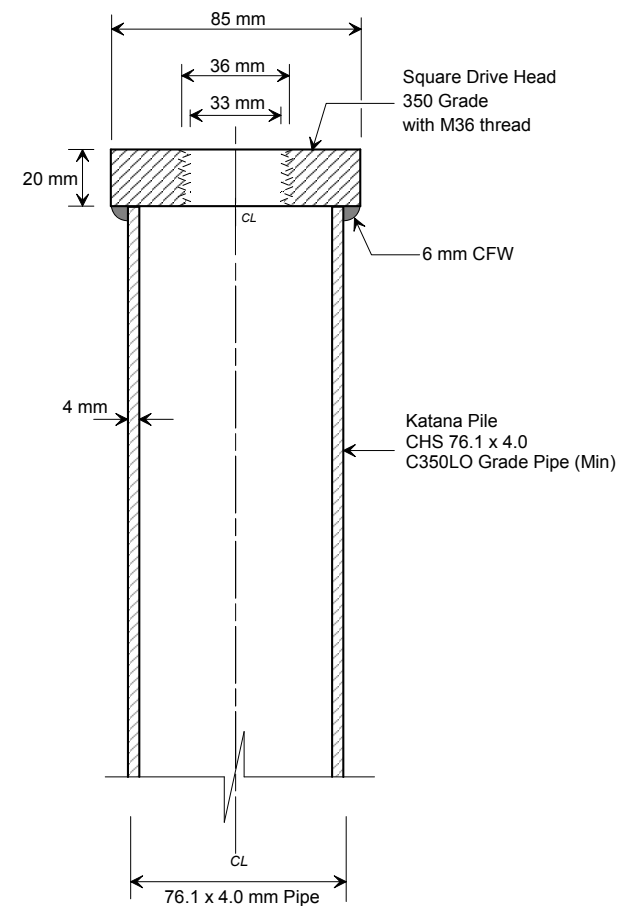
Typical Katana Pile Specifications



**Side View
Pile Top (No Drive Head)**

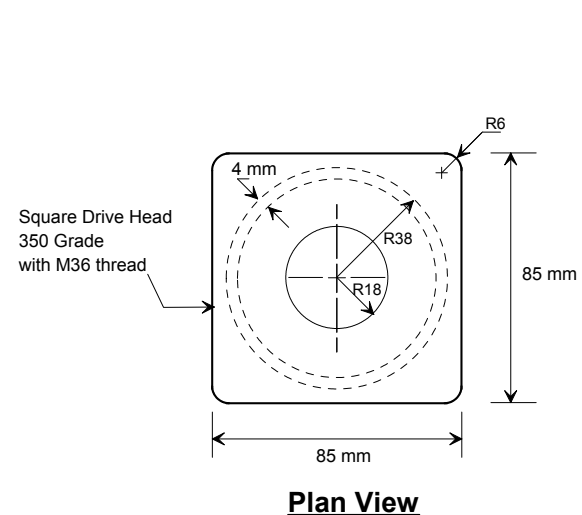


**Side View
Pile Top (with Square Drive Head)**

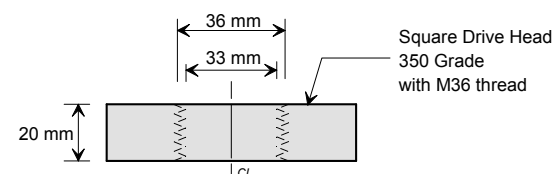


**Section View
Pile Top (with Square Drive Head)**

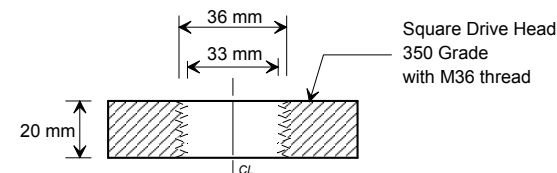
Square Drive Head Details



Plan View



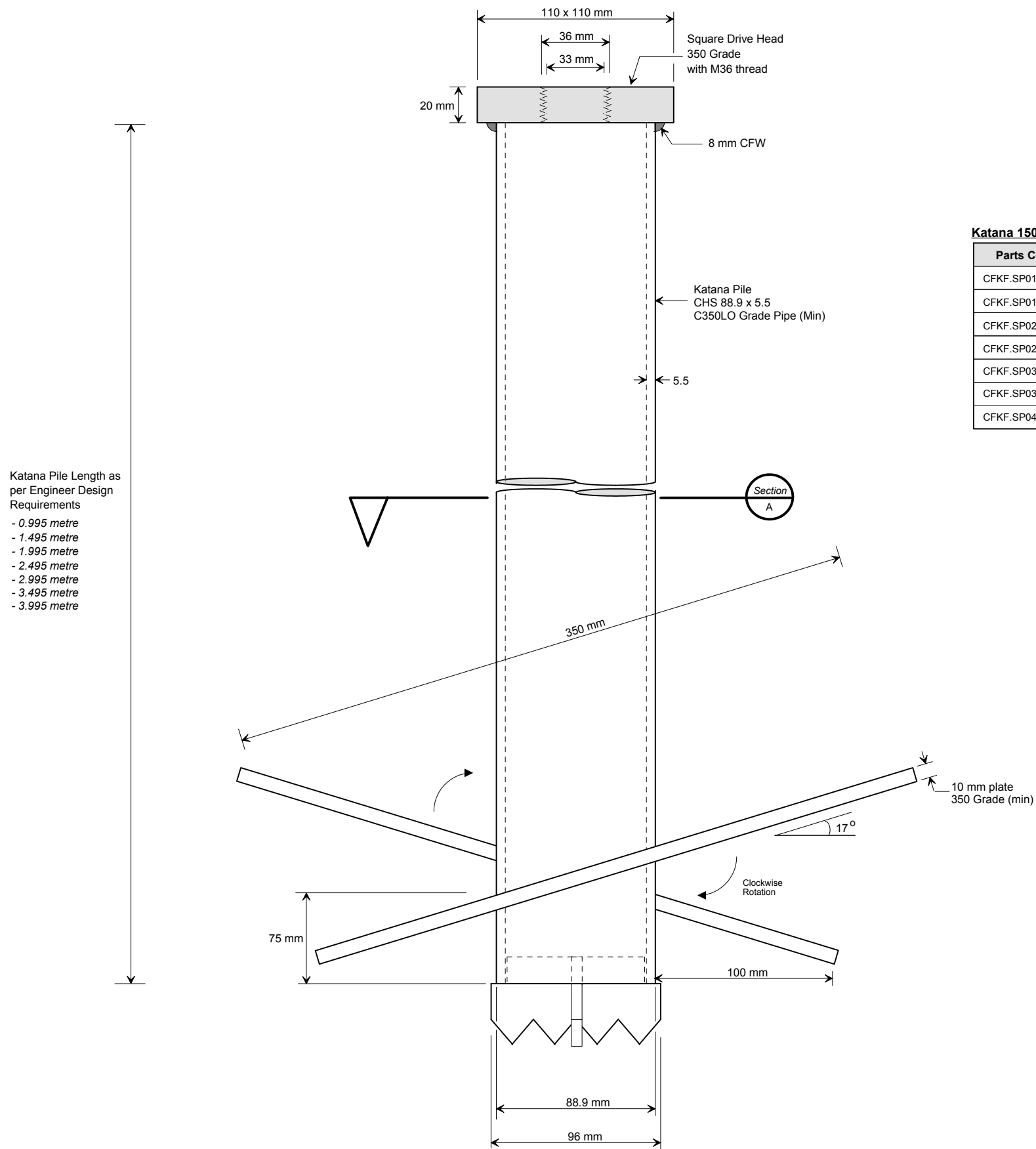
Side View



Section View

Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W

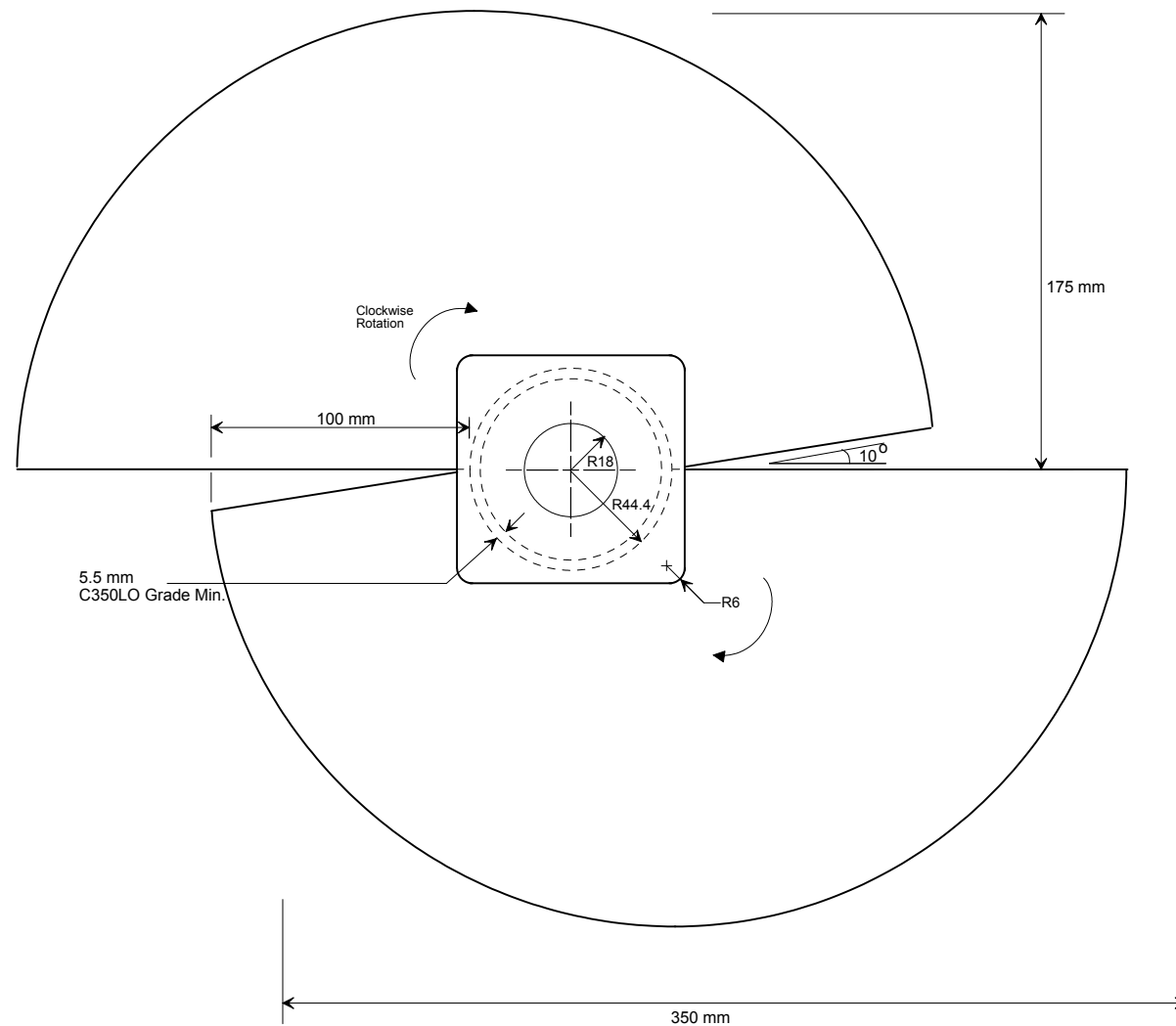
Katana Pile Specifications 150 kN Capacity



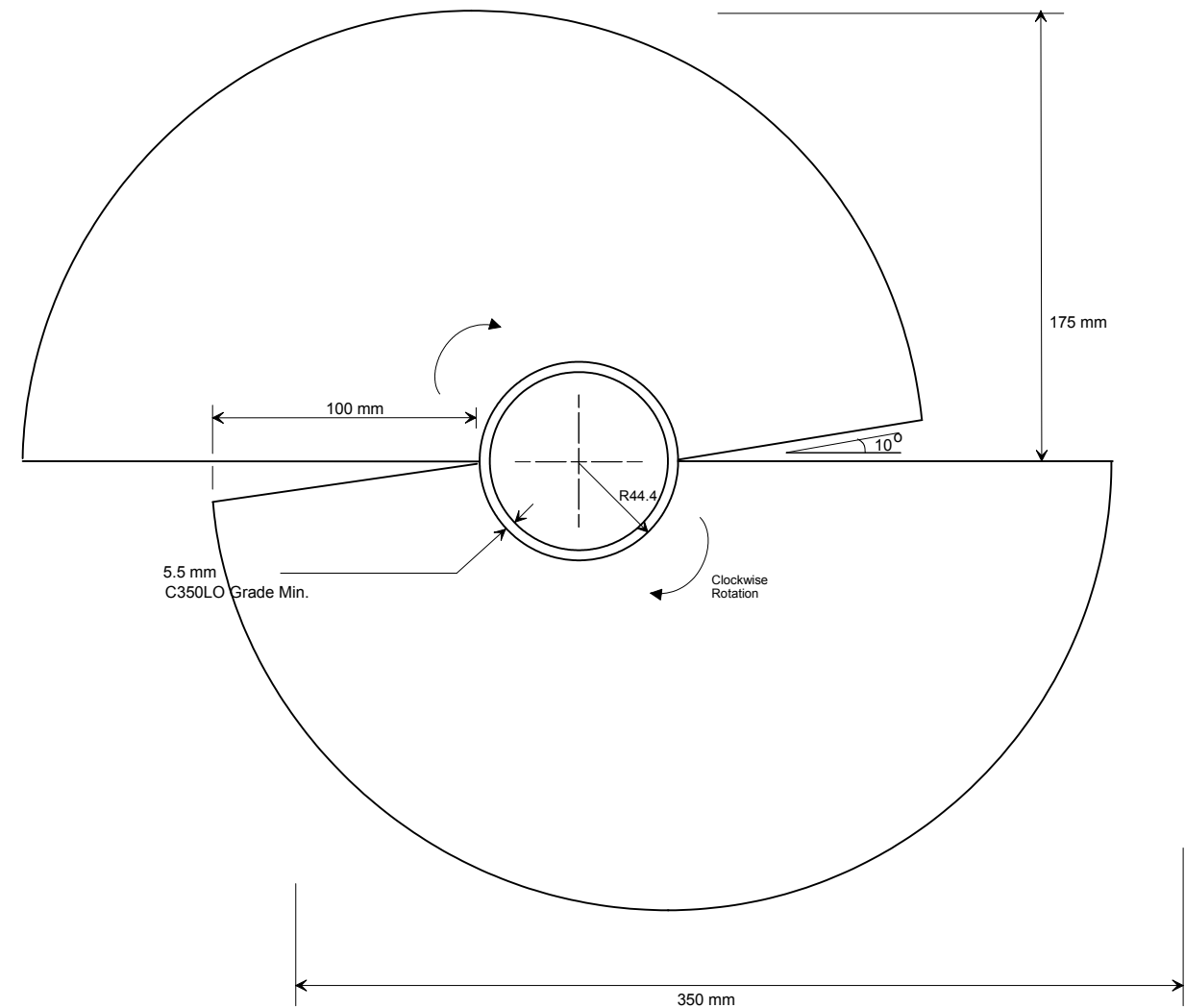
Katana 150kN Pile Product :

Parts Code	Item Description	Pile Length (m)
CFKF.SP010.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	1.0
CFKF.SP015.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	1.5
CFKF.SP020.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	2.0
CFKF.SP025.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	2.5
CFKF.SP030.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	3.0
CFKF.SP035.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	3.5
CFKF.SP040.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall, 350 x 10 Helix	4.0

**Katana Pile Helix Specifications
150kN Capacity**

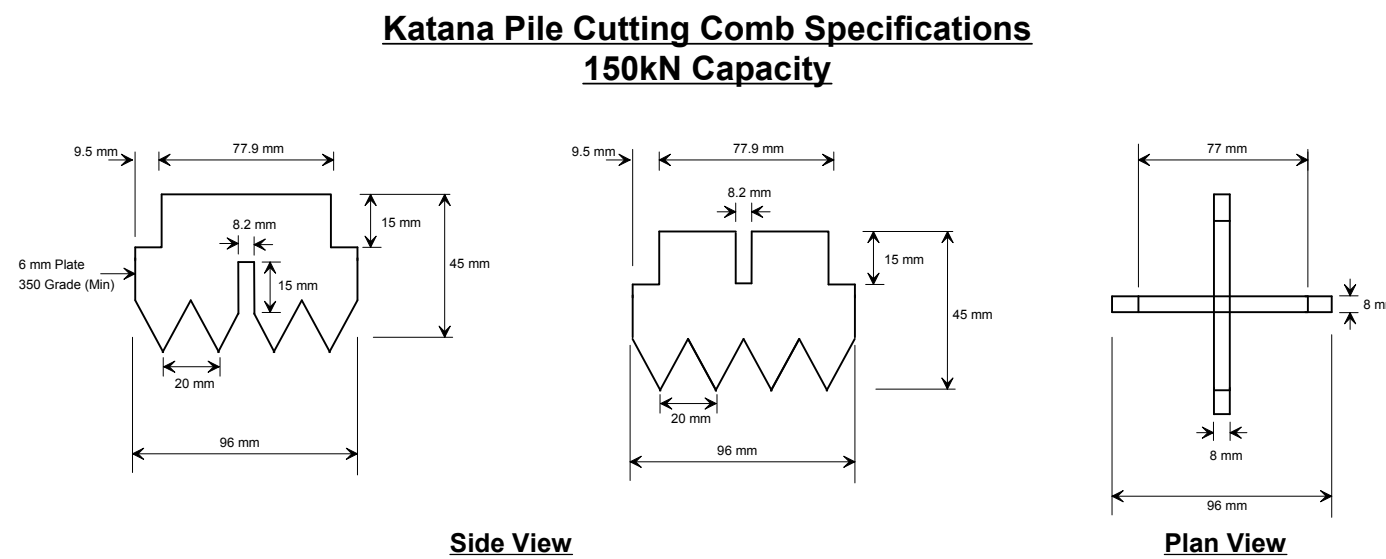


Plan View



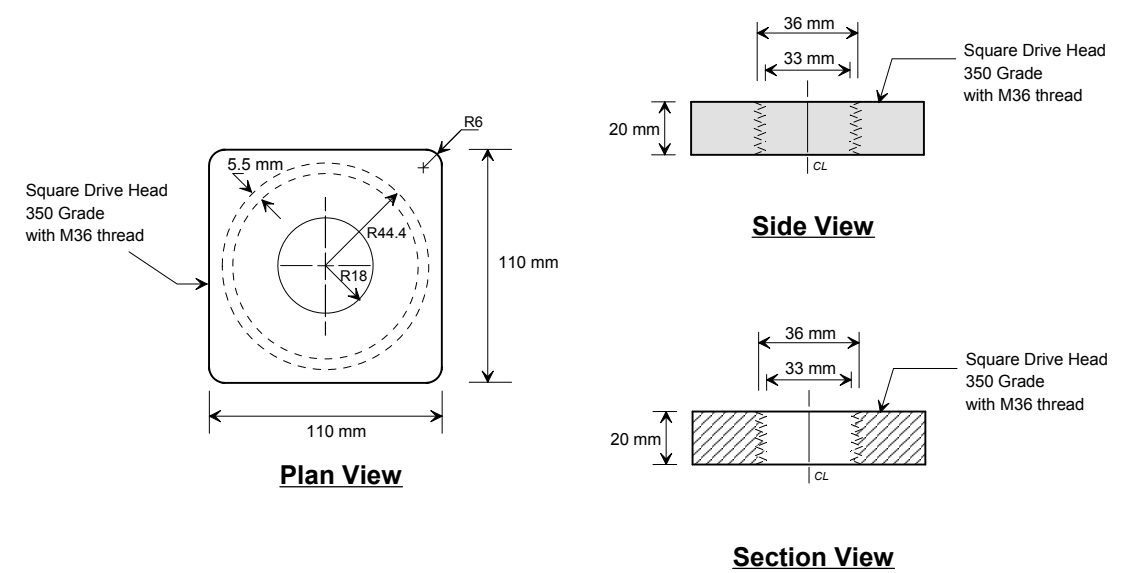
Section A-A

Square Drive Head Details



Side View

Plan View



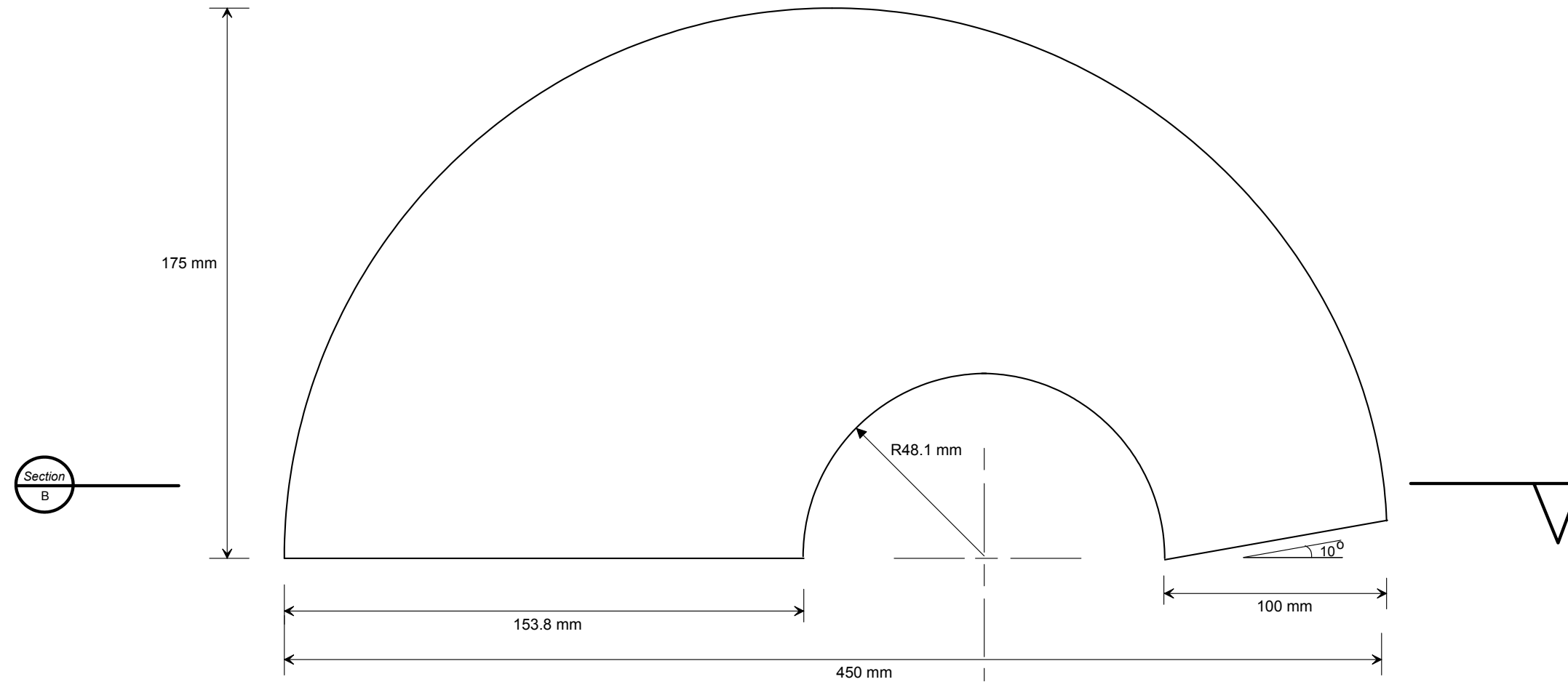
Side View

Plan View

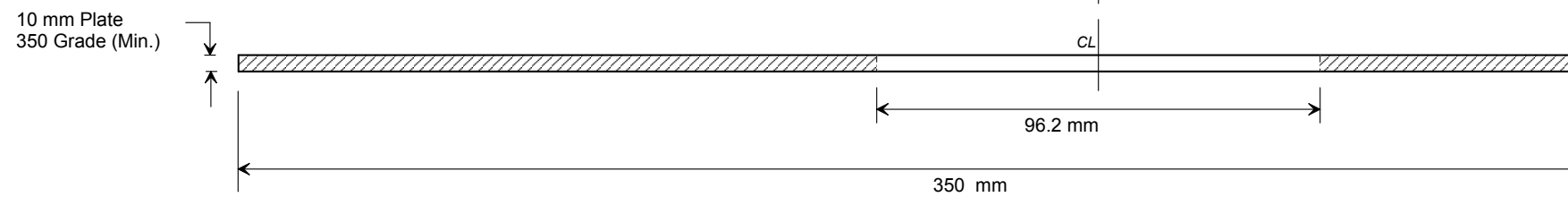
Section View

Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W

**Typical 150kN Katana Pile
Helix Details**



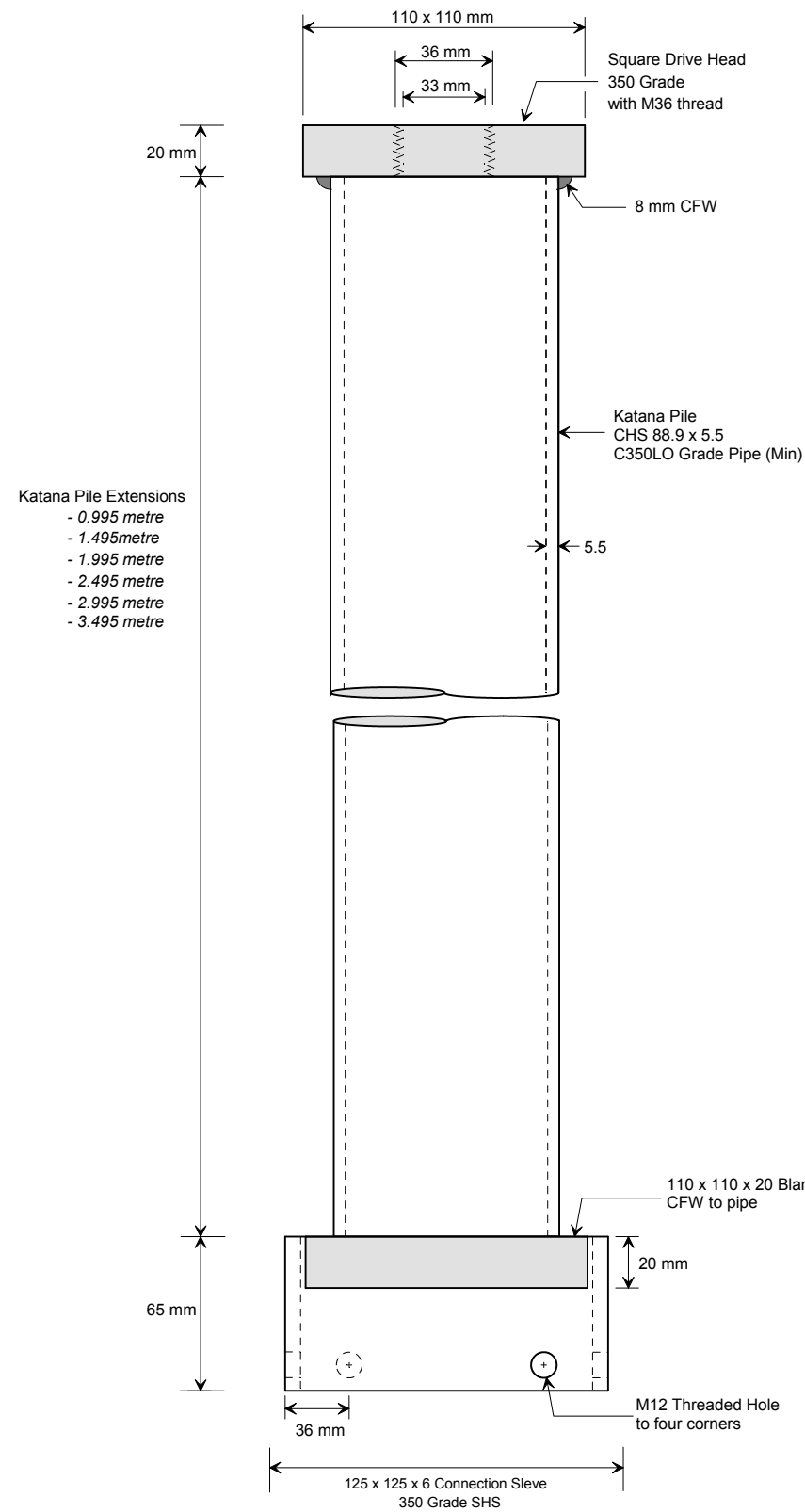
Plan View



Section View - B

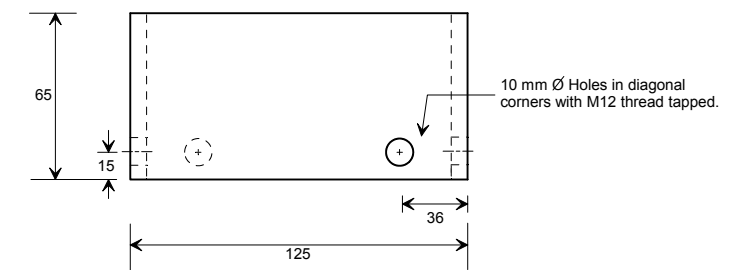
Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W

Katana Pile Extension 150 kN Capacity

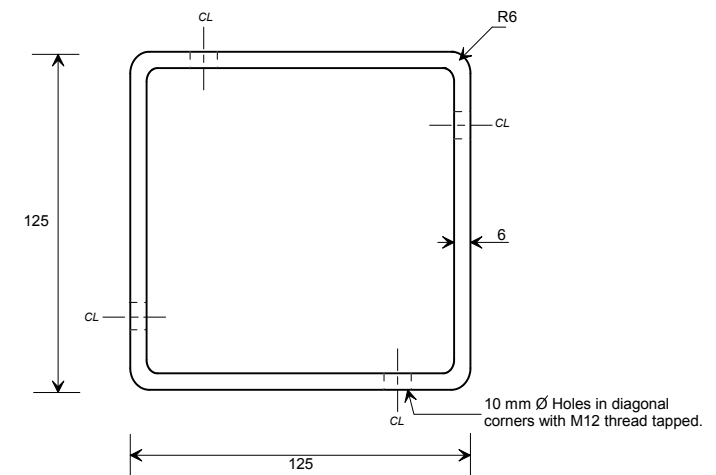


Katana Pile Extensions
 - 0.995 metre
 - 1.495 metre
 - 1.995 metre
 - 2.495 metre
 - 2.995 metre
 - 3.495 metre

Katana Pile Connection Collar



Side View

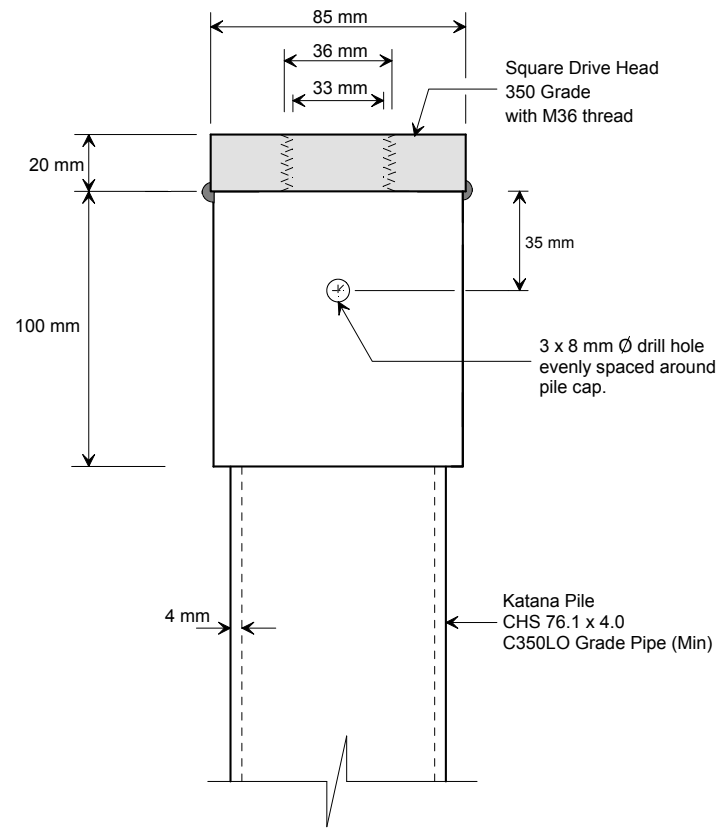


Section C

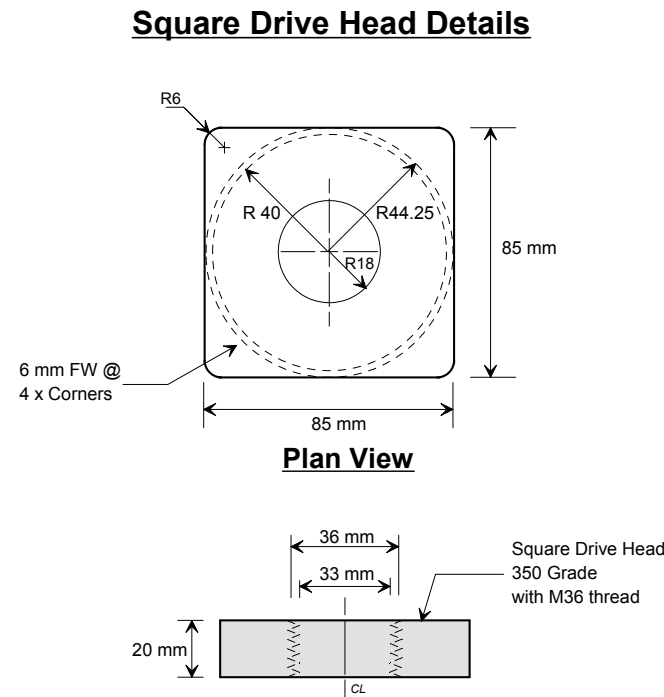
Katana 150kN Pile Extension Product :

Part Code	Item Description	Pile Length (m)
CFKF.EXT010.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	1.0
CFKF.EXT015.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	1.5
CFKF.EXT020.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	2.0
CFKF.EXT025.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	2.5
CFKF.EXT030.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	3.0
CFKF.EXT035.15Ton	150 kN Pile, CHS 88.9 x 5.5 wall	3.5

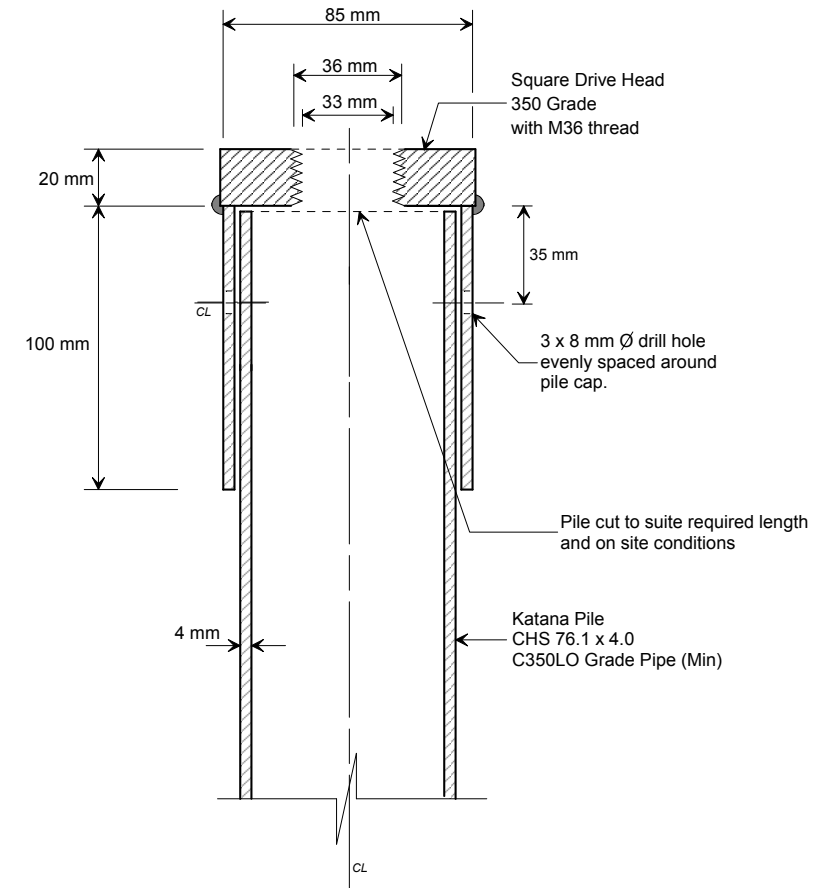
Katana Pile Specifications On Site Pile Adaptor (PT)



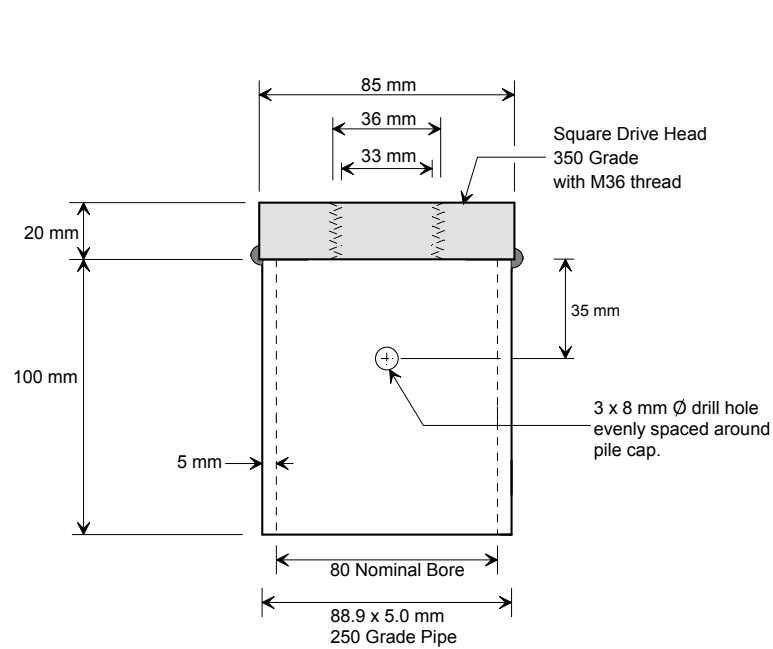
**Side View
Pile with On Site Pile Adaptor**



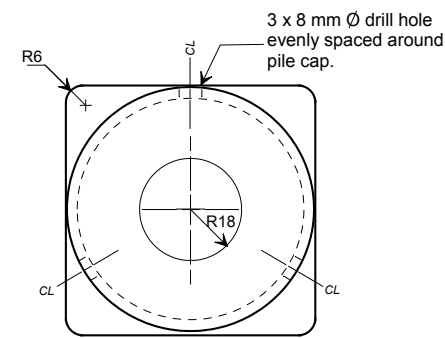
Side View



**Section View
Pile with On Site Pile Adaptor**



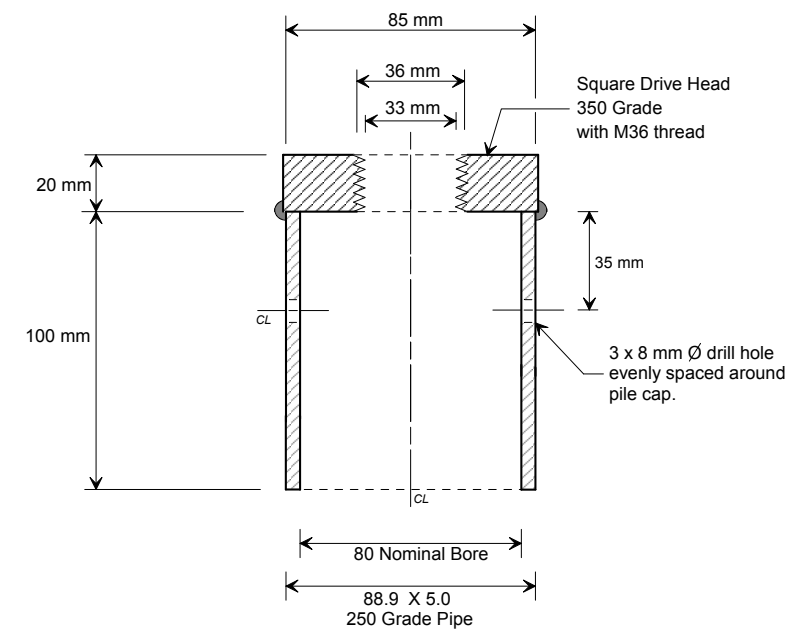
**Side View
Pile Adaptor**



**Plan View
Teck Screw Hole Locations**

Katana Pile Adaptor Product Guide :

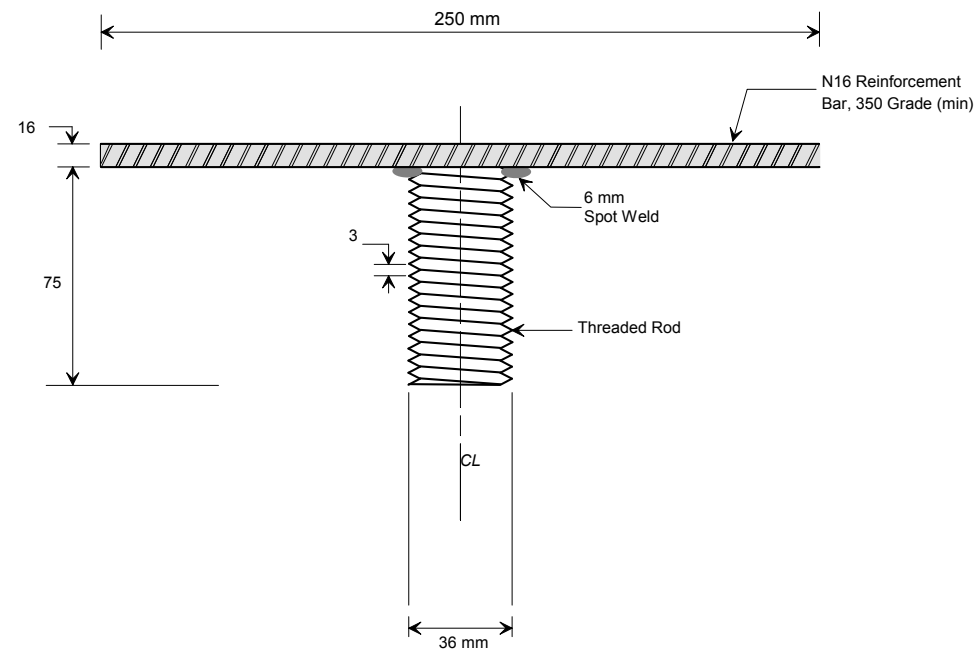
Product Code	Item Description
CFKF.PT-010	Pile Adaptor to suite - 80 kN Pile, CHS 76.1 x 4.0 wall x 100 C350LO Grade Min.



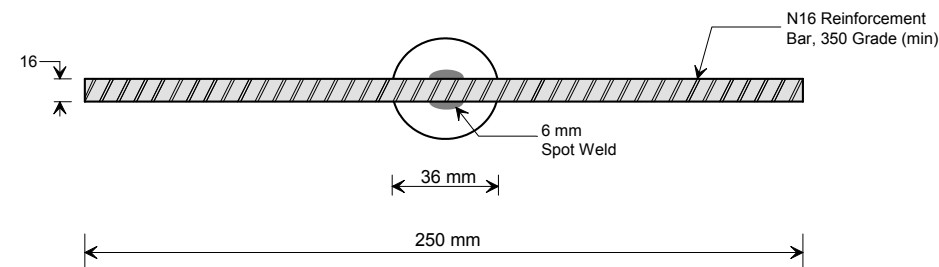
**Section View
Pile Adaptor**

Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W

**ADJUSTABLE EDGE BEAM CONNECTOR
Bar Specifications (EC250)**



Side View



Plan View

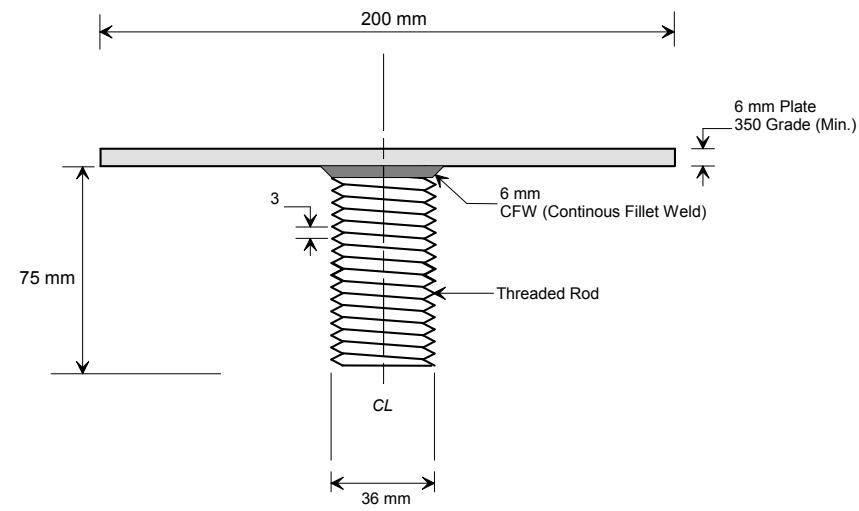
Katana Pile Connector Product :

Product Code	Item Description
CFKF.EC250	Edge Beam Connector, 250 N16 Bar 350 Grade, M36 Thread

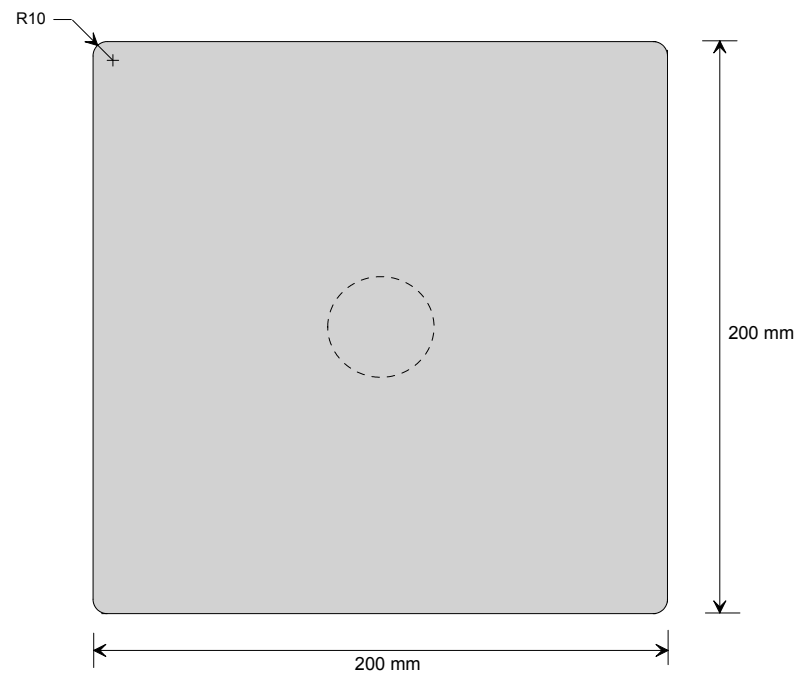
Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W

LOAD TRANSFER PLATE & TYPICAL BEARER PLATE

Adjustable Slab Load Transfer Plate Specifications (CFKF.SP200)

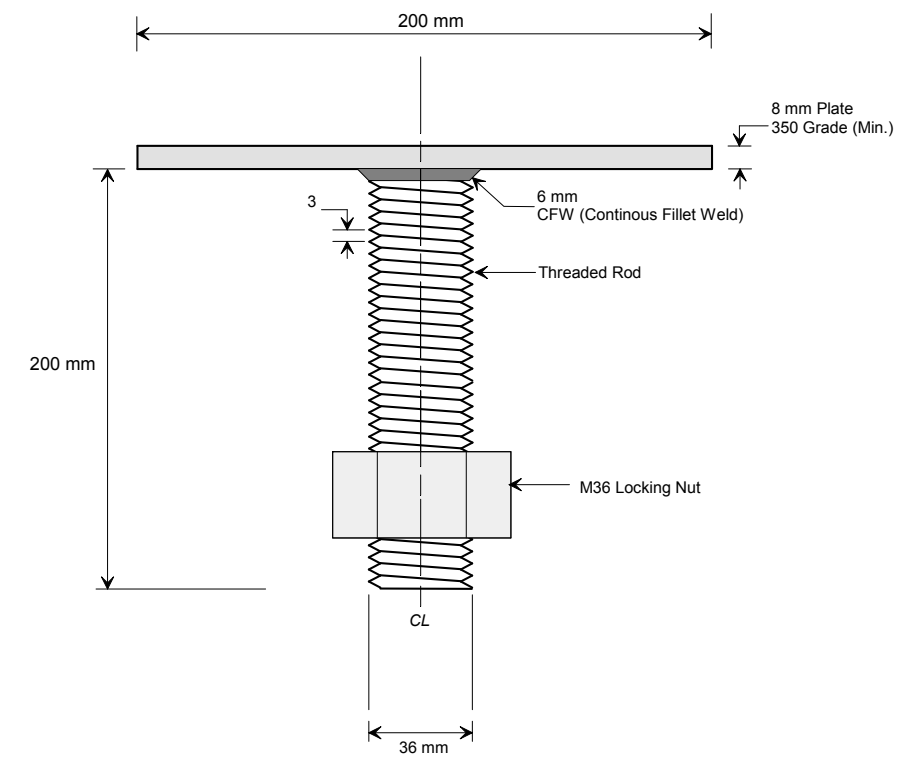


Side View

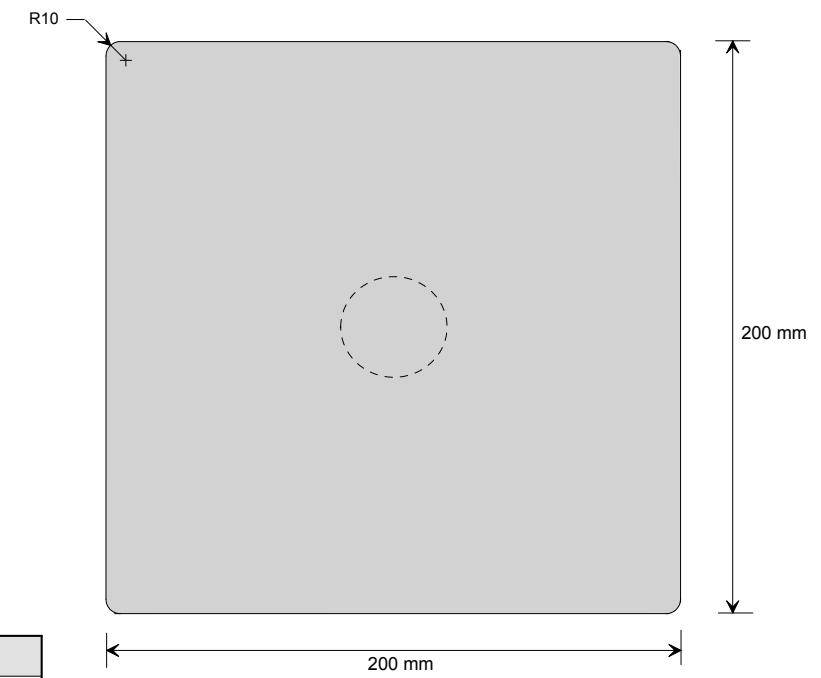


Plan View

Adjustable Bearer Plate Specifications (CFKF.BP200)



Side View



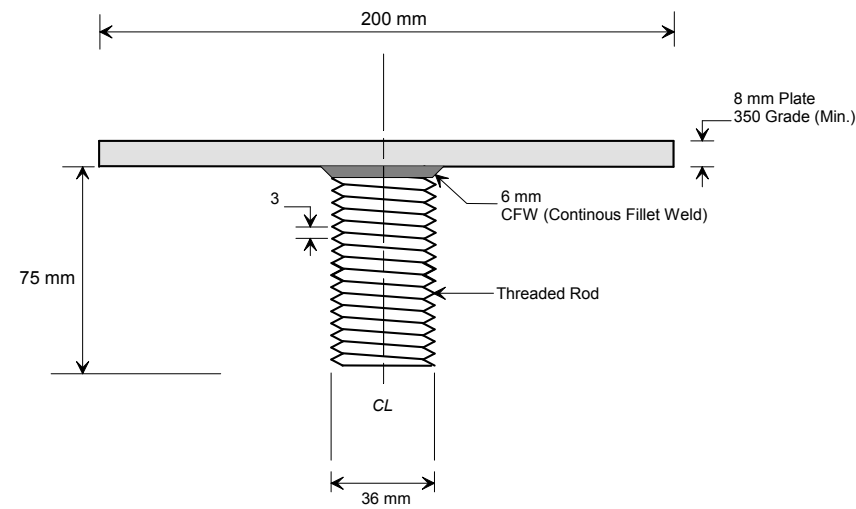
Plan View

Katana Pile Connector Product :

Product Code	Item Description
CFKF.SP200	Slab Load Transfer Plate 200 x 200 x 6, 350 grade, M36 x 75 Thread
CFKF.BP200	Bearer Load Transfer Plate 200 x 200 x 8, 350 grade, M36 x 200 Thread

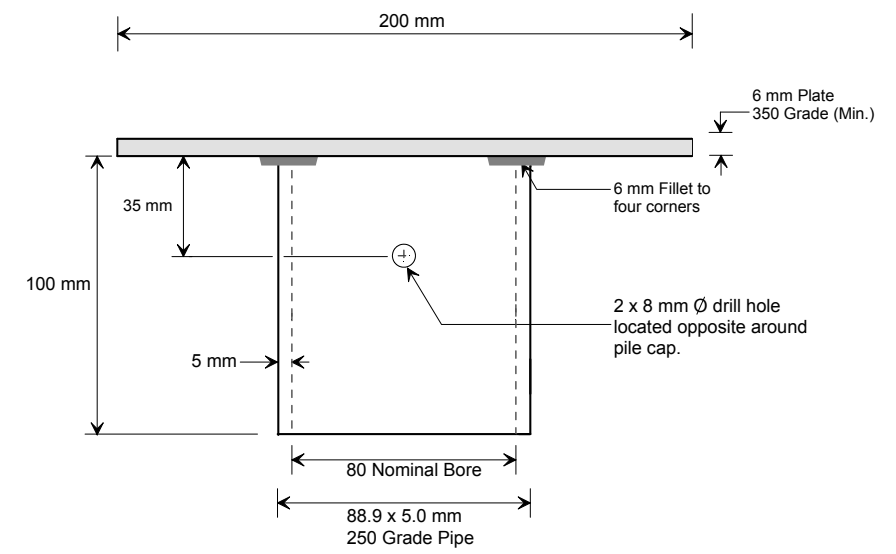
LOAD TRANSFER PLATE

Polyvoid Plate Plate Specifications (CFKF.Polyvoid Plate)

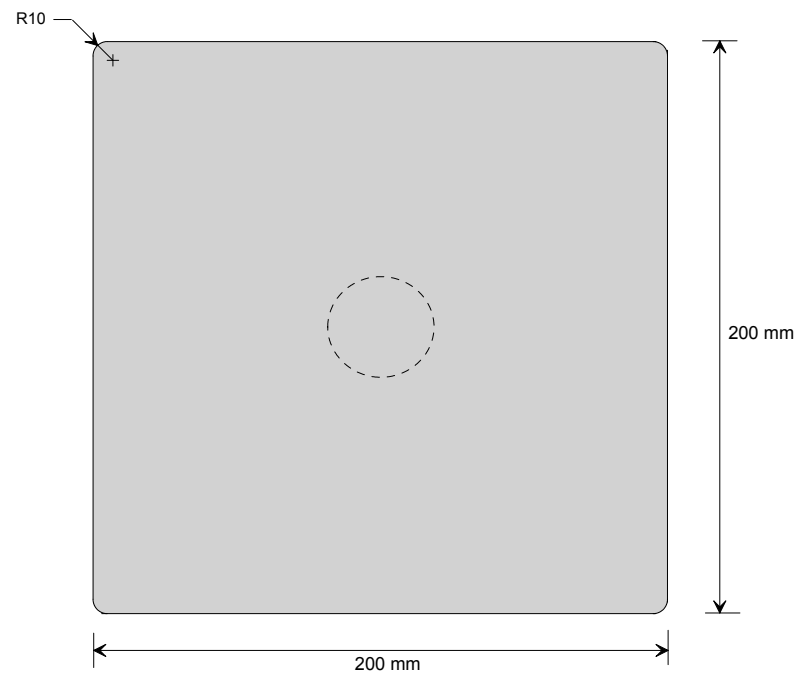


Side View

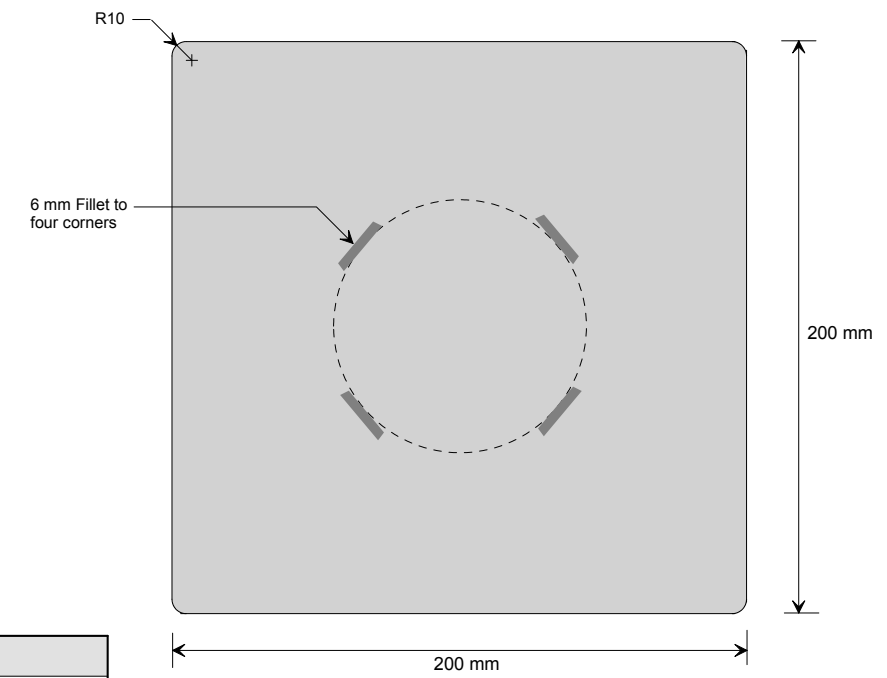
Clarendon Cap Specifications (CFKF.BP200)



Side View



Plan View



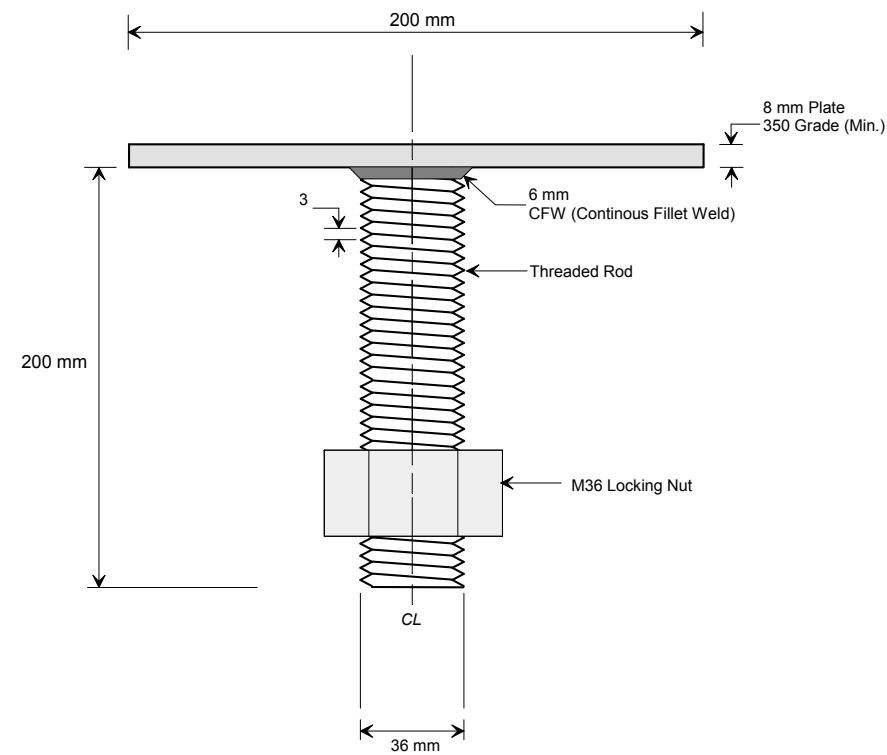
Plan View

Katana Pile Connector Product :

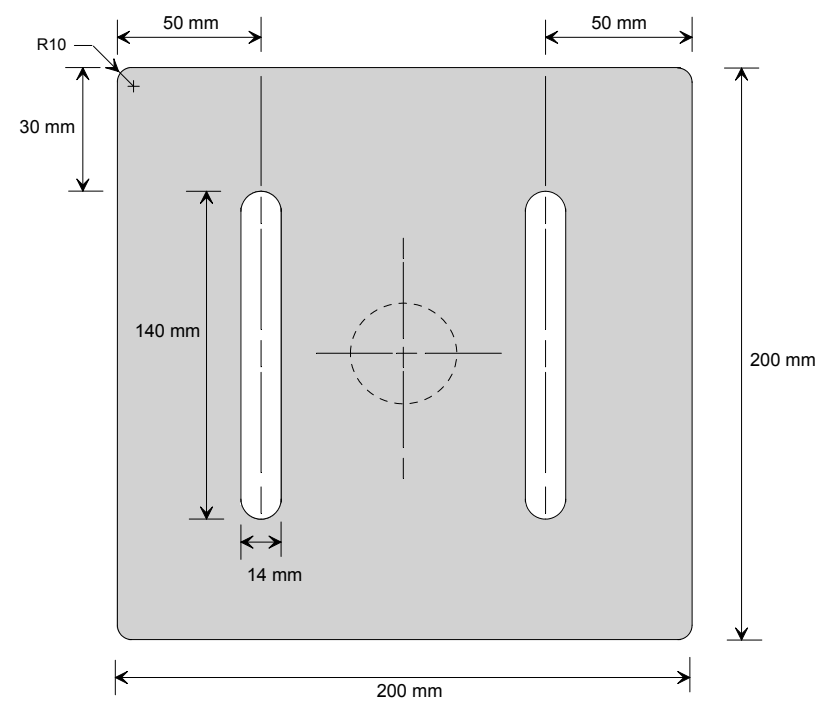
Part Code	Item Description
CFKF.Polyvoid Plate	Polyvoid Plate 200 x 200 x 8, 350 grade, M36 x 75 Thread
CFKF.Clarendon Cap	Clarendon 200 x 200 x 6, 350 grade, 88.9 x 5 base with 2 x 8 dia. pilot holes.

SLOTTED BEARER PLATE & BEARER CONNECTOR

Slotted Bearer Plate Specifications (CKFK.BP200 Slotted)

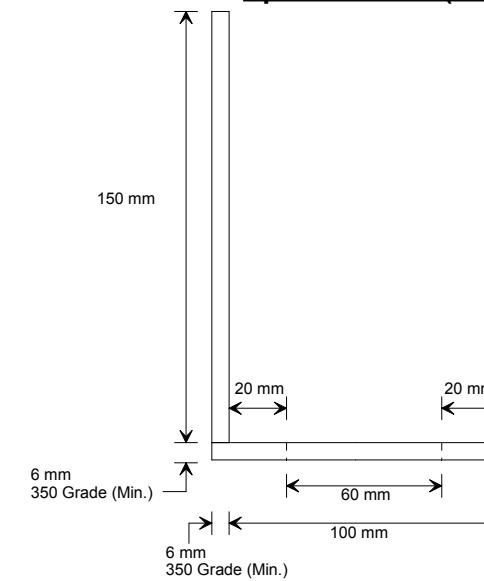


Side View

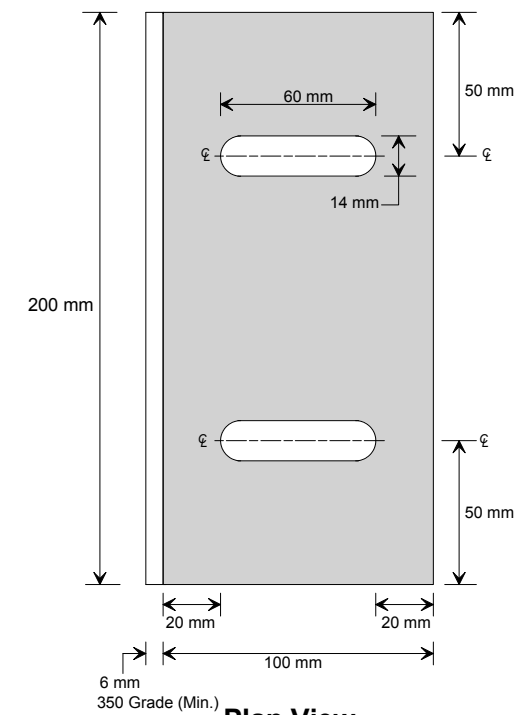


Plan View

Bearer Connector Specifications (BCS)



Side View



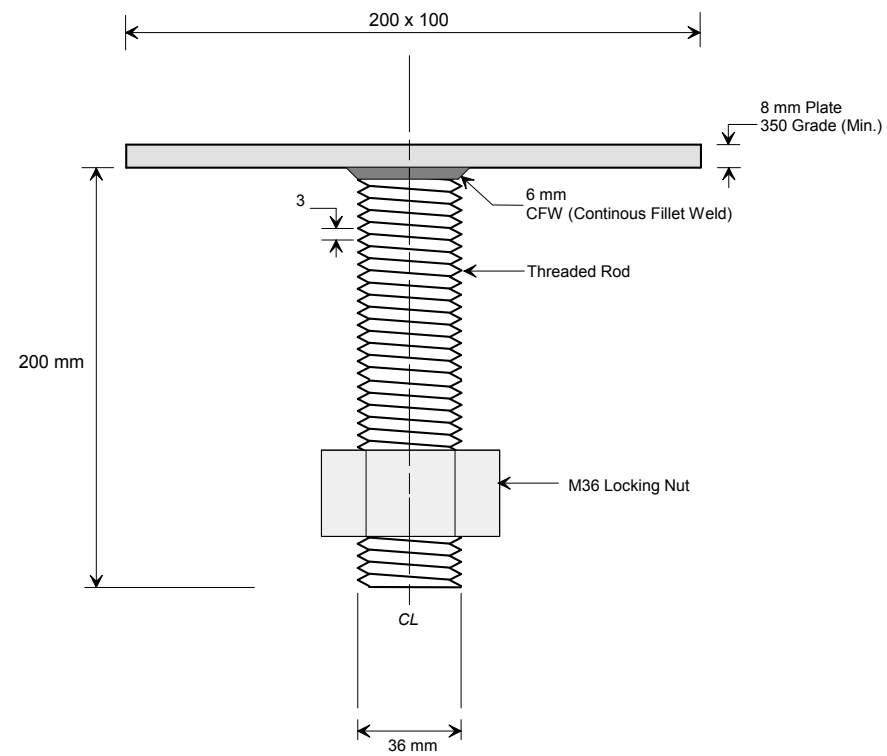
Plan View

Katana Pile Connector Product :

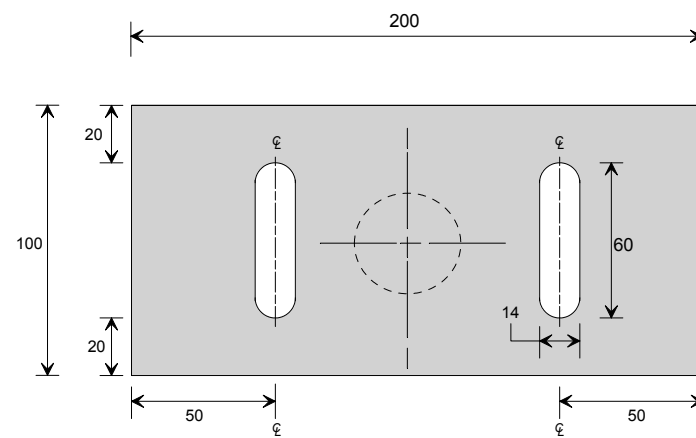
Part Code	Item Description
CKFK.BP200. Slotted	Slotted Bearer Load Transfer Plate 200 x 200 x 8, 350 grade, M36 x 200 Thread
CKFK.BP200. Bracket	Slotted Bearer Connector Plate 156 x 106 x 6, 350 grade

200 x 100 SLOTTED BEARER PLATE & BEARER CONNECTOR

Slotted Bearer Plate Specifications (CKFK.BP200 x 100 Slotted)



Side View



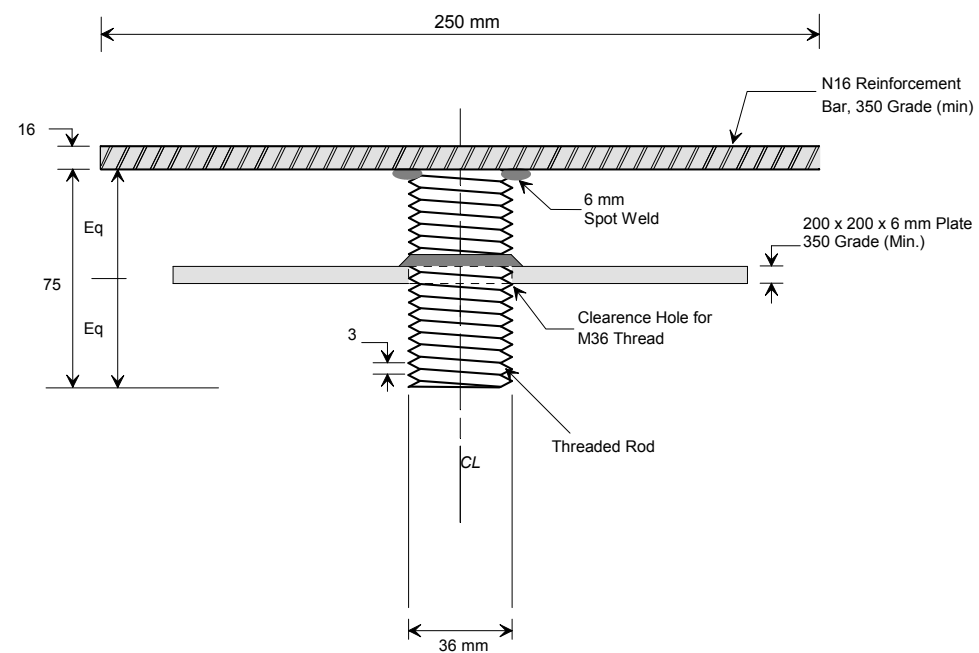
Plan View

Katana Pile Connector Product :

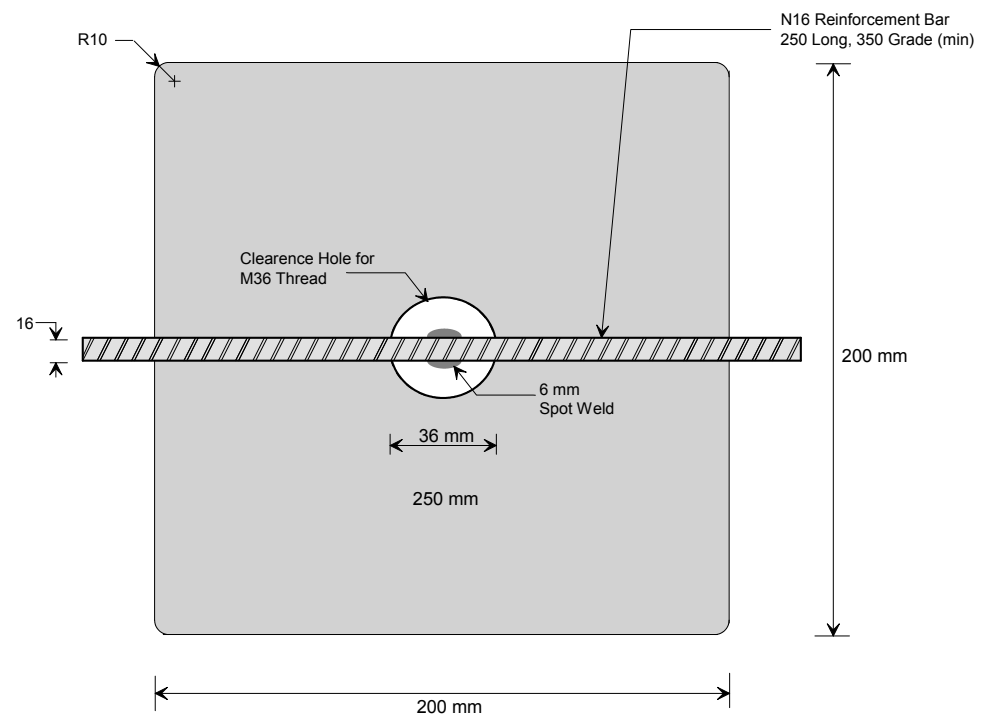
Part Code	Item Description
CKFK.BP200 x 100. Slotted	Slotted Bearer Load Transfer Plate 200 x 100 x 8, 350 grade, M36 x 200 Thread

Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W

**TIE IN SLAB PLATE
(TISP200)**



Side View



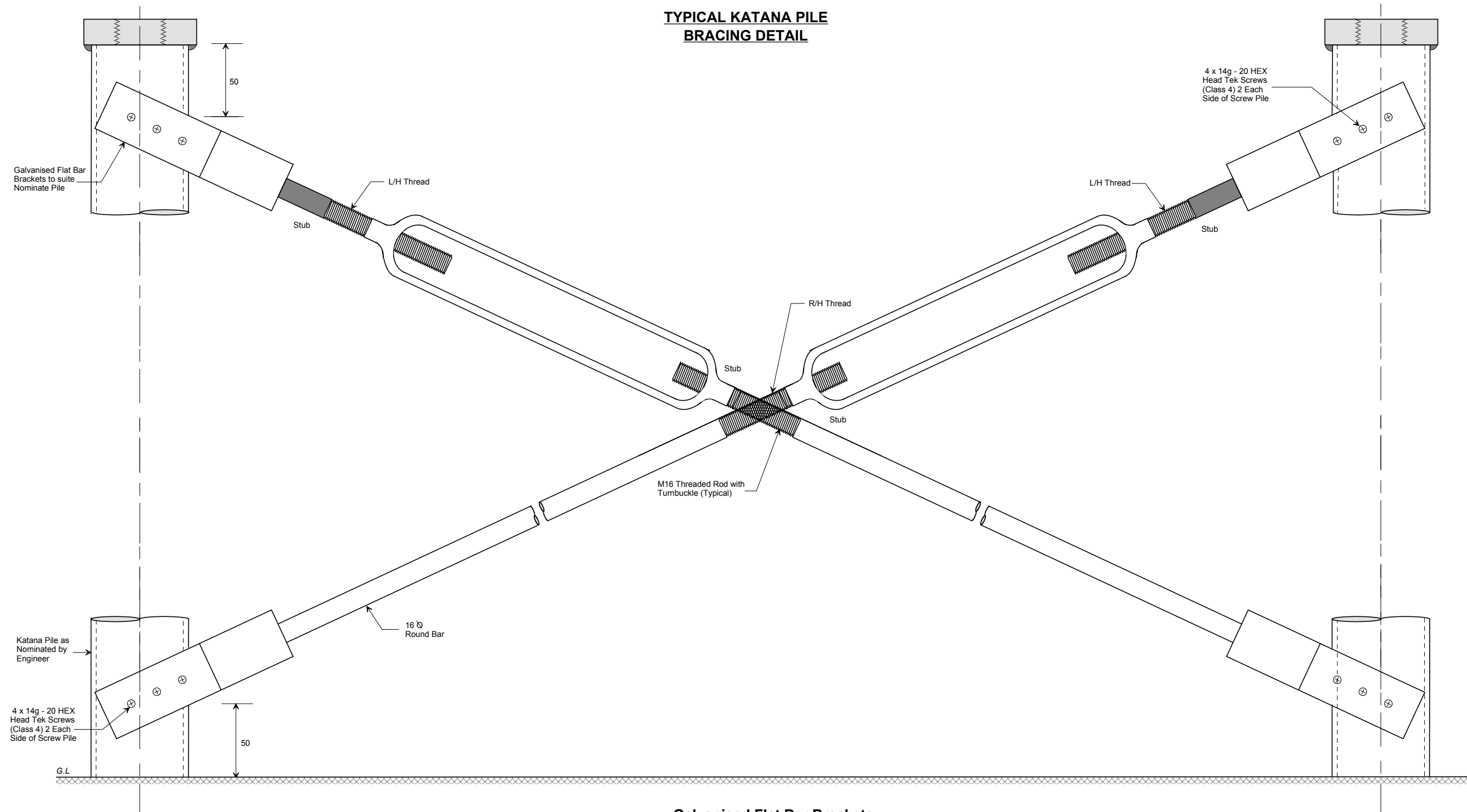
Plan View

Katana Pile Connector Product :

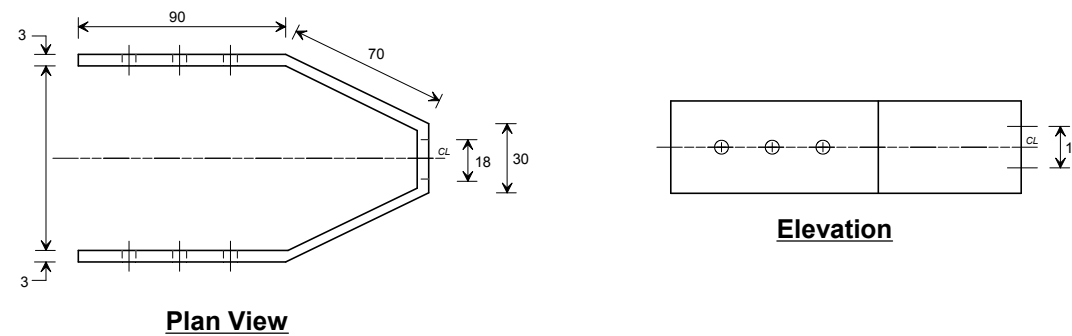
Part Code	Item Description
CFKF.TISP200	Tie In Slab Plate 250 x N16 Bar 350 Grade, M36 Thread x 75 with 200 x 200 x 6 Plate, 350 Grade.

Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W

TYPICAL KATANA PILE BRACING DETAIL



Galvanised Flat Bar Brackets



Katana Pile Brace Kit:

Product Code	Item Description
CFKF.Bracing Kit	Bracing Kit - 4 x 'U' Bracket, Galvanised Flat Bar - 2 x Turnbuckles, Galvanised M16 - Round Bar, 16 Ø Round Bar

Issue	Description	Date	Drafted	Checked
A	Original Issue	22/1/2019	M.C	J.W
B	Inclusion of 200 x 100 Slotted Bearer Plate	12/3/2019	M.C	J.W