



- NOTES:**
1. Treepit frame can be installed at a height of 700mm, and the foot can be on the rigid blocks.
 2. Soil infills can be level to frame. Design load = 12kPa surcharge live load at the back of wall. Active pressure coefficient $K_a = 0.333$. No load on the top of frame, except the light frame considered as 2kPa. During compaction and installation, additional care is required for avoiding the damages of the frame.
 3. Soil is able to move in the horizontal plane during seismic events and considered that the frame is not required the absorption of seismic energy during soil deformations.

- NOTES:**
1. Concrete :
 - 1.1. $f'_c = 50\text{MPa}$, 10mm Aggregate (SCC)
 - 1.2. Demould = 15MPa Min.
 - 1.3. Lift & Rotate = 25MPa Min.
 2. Reo :
 - 2.1. $f_y = \text{Grade 500E MA}$
 - 2.2. Reo Cover = 30mm Min.
 - 2.3. Manufacturing Tolerance for Reinforcement Placing: Cover $\pm 5\text{mm}$
 - 2.4. Tolerances for Reinforcement: As per NZS3109:1997 - Clause 3.9, and reproduced in DRG. no T6910 for reference.
 - 2.5. Min Lap Length : 40 x Bar Dia
 - 2.6. Do not re-bend reinforcing steel
 3. Tolerances for Precast Components: As per NZS3109:1997 - Table 5.1
 4. Design Load: 5kPa Surcharge Load
 5. Design Life: 50 Years
 6. Exposure Classification: Internal = B1, External = B1
 7. Finish: F3 as per NZS3114.

MATERIALS

VOL (m³/unit) =

WT (ton/unit) =

CODE = TREEPITGKIT

REVISIONS

REV #	REVISION DESCRIPTION:	DATE:	DRAWN:
A	Issued For Approval	28 Feb 2024	Z.S
B	Geometry Revised - Issued For Approval	06 Mar 2024	Z.S
1	Threaded Insert Code Updated - Issued For Construction	11 Apr 2024	Z.S
2	Reinforcing Details Revised - Issued For Construction	15 Aug 2024	Z.S
3	Bolt And Washer Code Added - Issued For Construction	17 Oct 2024	Z.S
4	Grate Panel Version Added	19 DSec 2024	GH
5	Cut Out Dimensions Revised - IFC	30 May 2025	Z.S

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ISO 9001 CERTIFIED MANAGEMENT SYSTEM

PROJECT DESCRIPTION:
 Hynds Treepit with Grate KIT
 GA Drawings
 1000x1000x700mm

SERVICE DETAIL:
 TREPITG & TREEGRATESS
 1250x1125x700mm 125mm Thick
 Notched Side Walls & Top Inserts for Grate

REFERENCE/QUOTE NUMBER: -

DRAWN: SK	DESIGN: M.B	CHECKED: M.B
SIGNATURE:	SIGNATURE:	SIGNATURE:
SCALE: As Shown	Note: Do not scale drawing if in doubt ASK!!!	DATE: 5-Mar-26
PAPER SIZE: A3		
DRAWING NUMBER: T9294- 1	SHEET NUMBER: 1 of --	REVISION NUMBER: 5

