

**PIT DESIGN & CHECKLIST**

PART No: PIT-11993-1

ORDER No: 20143

PIT No: 01

Pit Type: JP

Client: Perisher

Project: Perisher - Snowmaking Pits

Wall Thickness: 100 mm

Concrete Strength: 50 MPa

Concrete Mass: 1899 kg

Mould Location:

Concrete Volume: 0.778 m³

Reinforcement Cover: 35 mm

Cover Type:

Reinforcement Ref: Refer A.P. comps - STEEL

Client Dwg: -

Rev: 0

Reinforcement to Computations: AP-EC-2020-PACK01-REV02

AG's: 0 STEPS: 0 WEEPS: 0 HD's: 0

Date of Issue: 30/01/2023

Drawn By: AP for SM

Re-Checked: AP for SM

Revision: A

DESIGNERS CHECKLIST

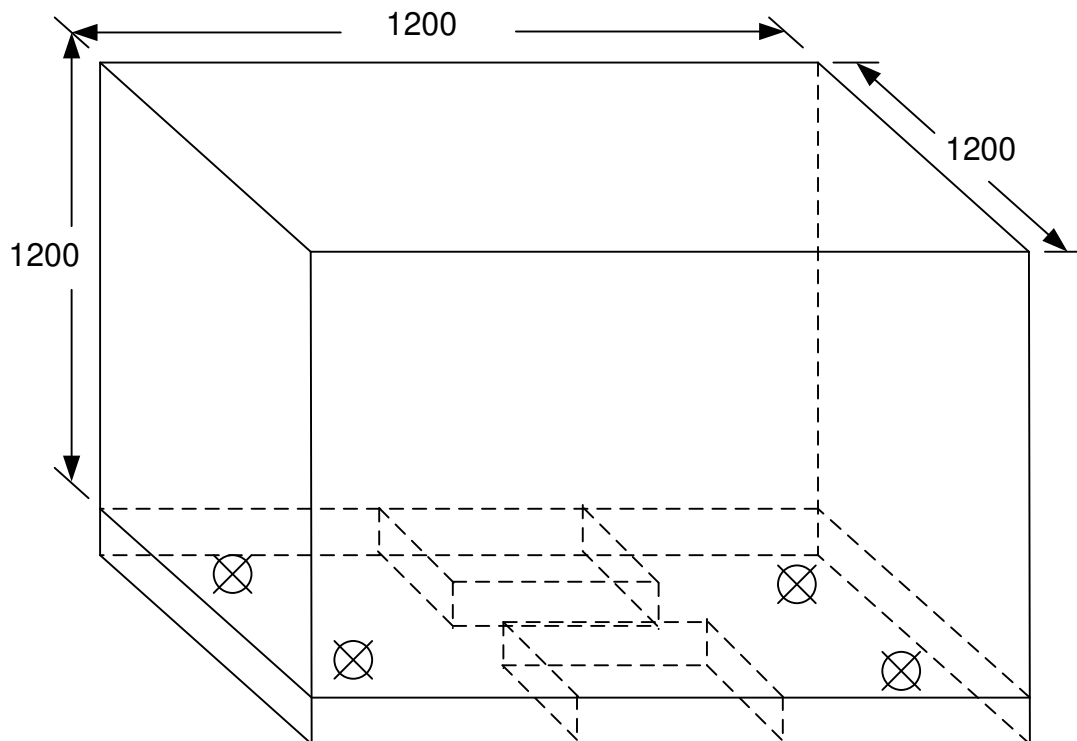
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|---------------|---|------------|---|--------------|---|--------------|---|
| PIT NUMBER | ✓ | QUOTE No. | ✓ | ORDER No. | ✓ | CONCRETE MPa | ✓ |
| REINFORCEMENT | ✓ | DIMENSIONS | ✓ | CALCULATIONS | ✓ | PENETRATIONS | ✓ |

CALCULATIONS

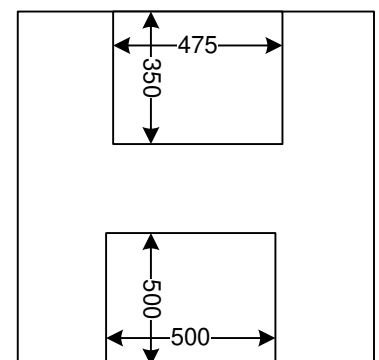
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





















500 x 500
Blockout in Base

Base Detail

⊗ = Swift Lift Anchors(4No.) Underneath of the base

SPECIAL COMMENTS:

Lifting anchors will be on the underneath of the base

| ITP [INSPECTION AND TEST PLAN] DESCRIPTION OF INITIAL FOLLOW UP AND FINAL QUALITY CHECKS TO BE DONE PRIOR TO SIGNING SHOP CARDS | | | | | |
|---|--|---|---|----------------------------|------------------------------|
| ACTIVITY | CHECK | SYMBOL | NOTES | BUILDER (e.g. J. Smith) | CHECKER (e.g. J. Citizen) |
| SPECIAL COMMENTS | SPECIAL COMMENTS |  | CHECK FOR REFERENCE TO SPECIAL COMMENTS TO IDENTIFY CLIENT SPECIFIC REQUESTS. | | |
| BOXING | LENGTH, WIDTH, SQUARE |  | + / - 10mm | | |
| | HEIGHTS |  | + / - 10mm | | |
| | WALL THICKNESS CONSTANT, REBATE |  | + 5 / - 3mm, REBATE AS SPECIFIED ON SHOP CARD | | |
| REINFORCEMENT | REINFORCEMENT |  | REFER TO REINFORCEMENT DESIGN AND COMPUTATION REQUIREMENTS. | | |
| | CONCRETE COVER |  | CHECK COVER 50mm WHERE POSSIBLE + / - 5mm. PLACE BAR CHAIRS WHERE REQUIRED AND RE CHECK COVER. | | |
| HOLD | HOLD POINT |  | IF ON SHOP CARD | | |
| MOULD SET UP | CLEAN JOINTS |  | SCRAPE DOWN ANY DEBRIS, SILICONE AND REMOVE. REPLACE SILICONE WHERE NEEDED. SPRAY MOULD OIL / RELEASE AGENT ONTO FORMWORK OR MOULD. | | |
| | BLOCKOUT / CONDUIT SIZE |  | CHECK MEASUREMENTS AS PER SHOP CARD AND PIPE CHART IF REQUIRED. | | |
| | BLOCKOUT / CONDUIT POSITION |  | + / - 10mm | | |
| | FERRULES, STEP IRONS, BARS |  | + / - 5mm | | |
| | LIFT ANCHORS / HOLES POSITION |  | IF REQUIRED PLACE APPROVED MUSHROOM HEAD "SWIFTLIFT" ANCHORS AS PER MAKERS SPECIFICATIONS CHECK PRODUCT WEIGHT TO DETERMINE SIZE AND AMOUNT REQUIRED. LIFTING PIN POINTS MAY ALSO REQUIRE A 4 POINT LIFT WITH ADDITIONAL BAR CAST IN. | | |
| EXTERNAL BOXING | BLOCKOUT SHUTTER |  | CHECK TO ENSURE CORRECT DEPTH OF SHUTTERS TO PREVENT MOVEMENT OF THE PRODUCT | | |
| HOLD | HOLD POINT |  | IF ON SHOP CARD | | |
| POURING | CHECK CONCRETE MIX (ON DOCKET AGAINST SHOP CARD) |  | F CHECK CONCRETE DOCKET FOR CORRECT MIX DESIGN TYPE AND MPa. | | |
| | CHECK SPREAD TEST ON CONCRETE DOCKET |  | F CHECK SPREAD - / +50mm. CONCRETE TO BE REJECTED IF NOT CONFORMING. | | |
| | EVAPORATION RETARDENT |  | APPLY ON EXPOSED BASE | | |
| | WASH MOULD |  | | | |
| POPPING AND STRIPPING | CRACKS / DEFORMS |  | F < 0.1mm FOLLOW CRACK CHECKLIST | | |
| | REMOVE FORMWORK AND CLEAN |  | REMOVE ALL SILICONE AND DEBRIS THAT MAY CAUSE A DEFECT ON FINISHED PRODUCT. | | |
| | MORTAR CORNERS AND BUG HOLES |  | ALL BUG HOLES MUDDED TO ACCEPTABLE STANDARD | | |
| | STEP IRONS AND FERRULES |  | CHECK STEPS HAVE BEEN PUT IN CORRECTLY AND HAVE BEEN KNOCKED ALL THE WAY IN AND ARE STRAIGHT AND IN THE CORRECT POSITION AS PER SHOP CARD | | |
| CURING | CURING COMPOUND |  | WITHIN 30 MIN OF DEMOULDING | | Date: |
| | CURE START DATE |  | DATE FOLLOWING POUR | | Date: |
| | CURE END DATE |  | 7 DAYS AFTER POUR | | Date: |
| FINAL INSPECTION | LABEL |  | CHECK IF STICKER APPLIED TO PRODUCT MATCHES THE SHOP CARD DETAILS. STENCIL WITH CLIENT, JOB, QUOTE, MANUFACTURING AREA, PRODUCT NUMBER, BATCH DATE, WEIGHT, CHECKED BY, LIFTING POINTS AND AUSPITS STENCIL. | | |
| | SPECIAL COMMENTS |  | CHECK FOR REFERENCE TO SPECIAL COMMENTS TO IDENTIFY CLIENT SPECIFIC REQUESTS. | | |
| | SIZE – LENGTH, WIDTH, HEIGHT, SQUARE, CORBELLS, SIDE ENTRIES |  | F + / - 10mm | | |
| | SIZE OF BLOCKOUTS AND CONDUITS |  | F AS PER SHOP CARD | | |
| | POSITION OF BLOCKOUTS, CONDUITS, FERRULES |  | F + / - 10mm | | |
| | VISUAL INSPECTION FOR FINISH AND APPEARANCE |  | F FINAL CHECK OF AESTHETICS OF PIT INSIDE AND OUT TO MEET CLIENT AND AUSPITS STANDARDS. | | |
| F NOTIFY SUPERVISOR AND RAISE FAULT REPORT | | | | | |