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FLOOR DESIGN

- POSI JOISTS
  - ON-SITE
    - Do's and Dont's
    - Storage/Handling
    - Installation Guide
    - Supporting Additional Weights
    - Supporting additional weights during construction - Brick and Block
  - MANUFACTURE
    - Posi-Joist Manufacturing Checks
    - Posi-Joist Manufacturing Tolerances
    - Posi-Joist Timber Tolerances
    - Strut-Runner Programming Instructions
    - Birch Press Instructions for Staggered Posi-Joist webs
    - Posi-Joist Manufacturing Standard
    - Request for Product Guarantees in Relation to Posi-Joists
  - GENERAL
    - BASICS
    - USAGE
    - ADVANTAGES
    - SPACINGS
    - TIPS & TRICKS
    - NAIL PLATES
    - CAMBER
    - MANUFACTURERS
    - BASICS OF POSI PRESENTATION
  - STRUTS (Posi Types)
    - Posi-Strut Typical Sizes
    - Use in Corrosive Environments
  - SPAN TABLES
  - BASIC CONSIDERATIONS/DRAWING SCANNING
    - Openings
    - Openings - Gallery/Mezzanine Floor
    - Floor Performance
    - Balconies and Walkable Roofs
  - BRACING (STRONGBACK)
  - HANGERS
    - Hanger Types
      - Simpson Strong-Tie
      - Cullen
    - Joist Reinforcement
    - Manual Design
    - Bearing Lengths
    - Joists supported from Pole Plates
    - Hangers fixed to Timber frame Walls
  - STANDARD DETAILS
    - STAGGERED WEBS
      - Staggered Webs
      - Utilization of Half Webs
      - 147mm Chords
    - DXF Details Library
    - WOPT Book
    - SUPPORT DETAILS
      - Top Hung
      - Extended Chords/Fire Cut
      - Minimum Bearings
      - Interior Details
      - Steel Support Details
      - Trimmable Ends
      - Posi-Joist Block Sizes
- SEE ROOF DESIGN
  - POSI RAFTERS
  - POSI ATTICS
  - .
- REMEDIAL WORKS
  - Site Damage
  - Drilled/Notched Joists
  - Upside Down Joists
  - Bearings in wrong location
- JOIST TYPES
  - FUNCTION TYPES
    - MODULAR JOISTS
    - GIRDERS
    - TRIMMERS
    - FLOOR FILLERS
  - MATERIAL TYPES
    - MAIN
      - POSI-JOISTS
      - I-JOISTS
      - SOLID SOFTWOOD JOISTS
    - ADDITIONAL
      - STRUCTURAL STEEL
      - KERTO
      - GLULAM
      - ULTRALAM
- LOADS
  - DEAD
    - Minimum Dead Loads for Intermediate Posi-Joist Floors
  - LIVE
    - Imposed Loads - Floor Uniform Loads and Point Loads
  - TOP CHORD
  - BOTTOM CHORD
  - PARTITION LOADS
  - HOIST LOAD
  - CARE HOMES
  - LOAD TRANSFER
  - BUILDING CATEGORIES
  - POINT LOAD
  - SCREEDFLO
  - STAIR LOADING IN PAMIR
  - TANK LOAD
- FLOOR TYPES
  - LOOSE ELEMENTS FLOOR
    - DECKING
      - FRAMES (TYPES)
      - 18mm - joists need to be 400mm centres
      - 22mm - joists can be 600m centres
      - LAYOUT OUTPUT
  - LOCATION
    - GROUND FLOOR
      - Vigilant with large span joists (vibration)
    - SECOND FLOOR & ABOVE
      - Strap centres change
    - INTERMEDIATE FLOOR
      - Service Class 1
- PAMIR
  - POSI-JOISTS
    - End Detail Options
    - Floors
    - Roofs
  - LOOSE FLOOR / FLOOR CASSETTES
  - Posi Attic
    - Crash Course
    - How to input in pamir correctly
- WORKSHOPS FOR PAMIR/EXTRA CURRICULAR TRAINING
  - Challenges ranging from beginner to advanced
  - Real life drawing example
  - Online Courses
  - Current Courses restructured to be done through KB instead of hard copy booklets?
- FIRE RESISTANCE
  - Posi Approved Details
  - Posi-Joist FireSafe and FireSafe Plus
  - Materials
  - Amount of fire resistance (Time)
    - 30 minutes
    - 60 minutes
    - 90 minutes
- SOUND RESISTANCE - ROBUST DETAILS
  - E-FT-3
  - Robust Detail E-FT-6 - ScreedBoard
  - Posi Approved Details
- ENGINEERING PRINCIPLES
  - Posi Reinforcement
  - CSI
  - VIBRATION CHECK
  - FORCES, MOMENT etc
  - DEFLECTION
    - Recommended limit
    - Compound Deflections
    - ScreedFlo limits
    - 14mm Limit for Posi-Joists