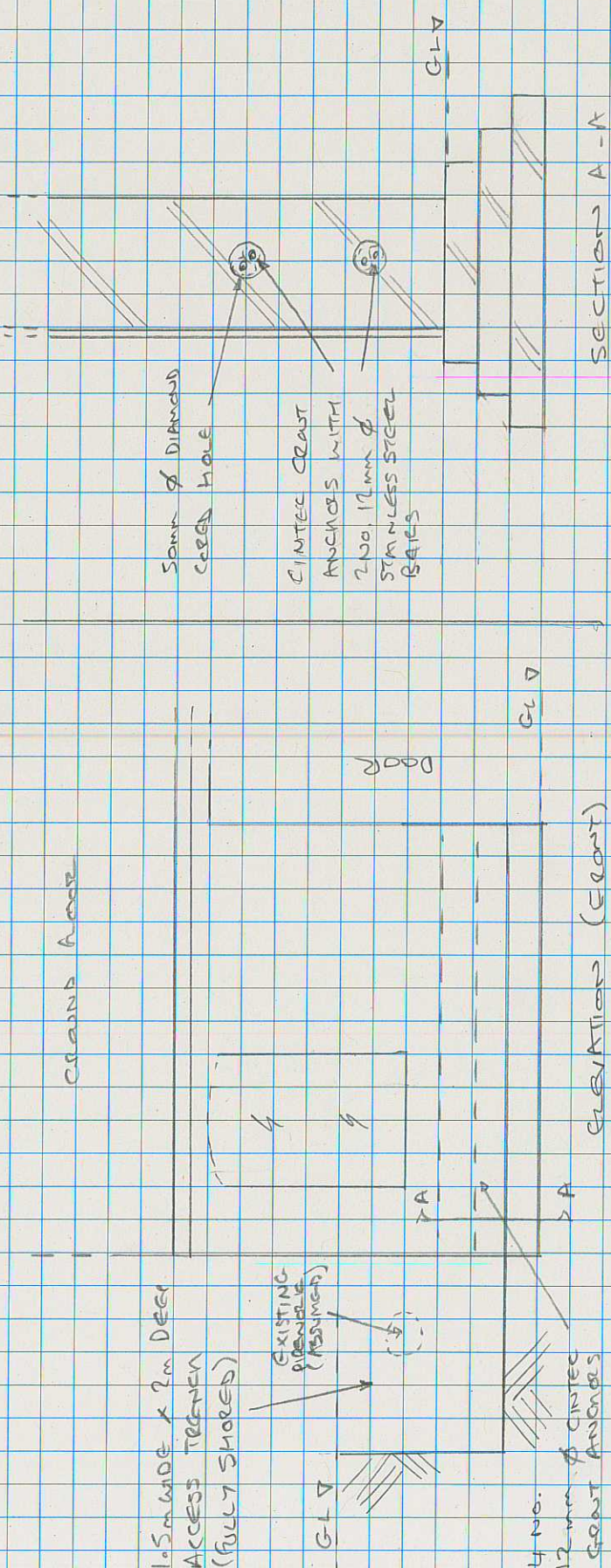


rev. date DIAGRAMMATIC SKETCH



PRO'S

- MINIMAL DISRUPTION OF ORIGINAL FABRIC
- ENGINEERING CERTAINLY (UNLIKELY TO BE AFFECTED BY CONSTRUCTION AT STRUCTURE)
- FELT TO MINIMISE RISK OF OPPOSITION DURING LISTED BUILDING CONSULT
- INVISIBLE WORK
- COMPLETION OF WORKS
- ALL WORKS EXTREMELY TIES BENEFICIAL TOGETHER AT CRATIC LOCATIONS

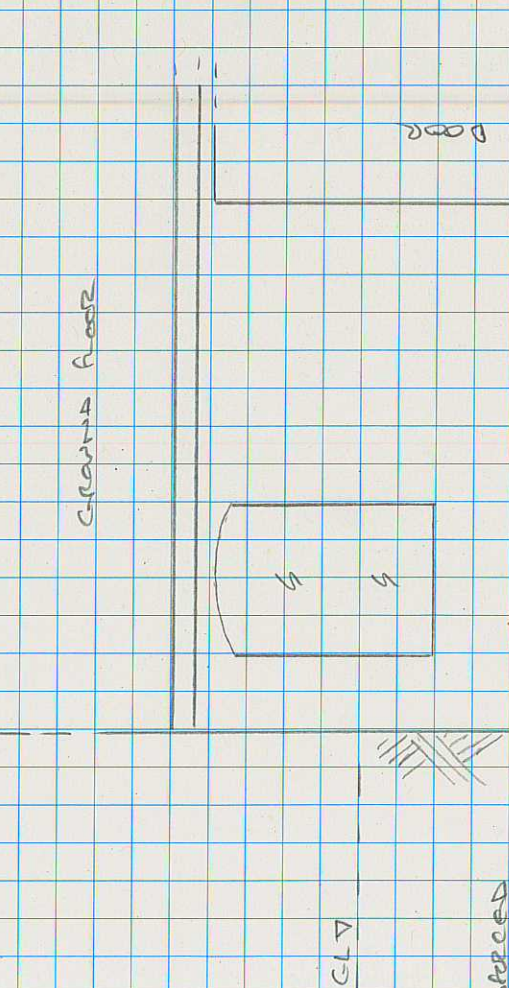
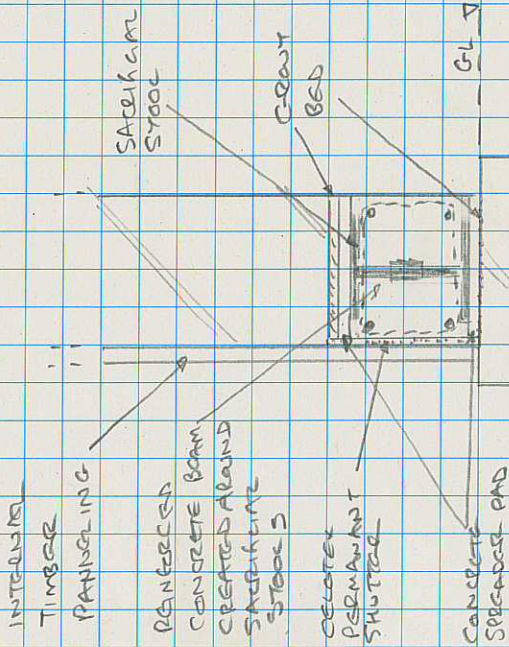
CON'S

- EXCAVATION WITHIN PUBLIC DOMAIN
- POSSIBLE TIME DELAY IN OBTAINING PERMISSION FOR EXCAVATION WORKS
- LIKELY TO CONFLICT BETWEEN MAINPOLE / PIPE AND ACCESS TRENCH (FURTHER INVESTIGATION REQUIRED DURING RUN DESIGN)

DESCRIPTION

INSTALLATION OF 2 LINES OF C/INTEC CRANT ANCHORS (AS INDICATED ABOVE). GRANT LINE TO COMPRISE 2 NO. 12mm Ø C/INTEC ANCHORS SET INTO A 50mm Ø DIAMOND COPED HOLE. IN ORDER TO INSTALL THE ANCHORS AT THE CORRECT LEVEL AN ACCESS TRENCH WILL NEED TO BE DUG AT THE FRONT CORNER OF THE SIDE ELEVATION. TRENCH APPROX. 1.5m WIDE x 1.5m LONG x 2m DEEP. TRENCH TO BE FULLY SHORED. CREATES A REINFORCED BEAM WITHIN THE BACKWORK TO ENSURE EIGHT TRANSFER OF LOADS ACROSS EXISTING FOUNDATIONS

rev. date DIAGRAMMATICAL SKETCH



REINFORCED  
CONCRETE BEAM  
CREATED ABOVE  
EXISTING FORMERS  
USING SACRIFICIAL  
STOODING TECHNIQUE

DESCRIPTION

INSTALLATION OF SACRIFICIAL STOODS ON A HIT  
AND MISS BASIS AND CREATION OF A REINFORCED  
CONCRETE BEAM AT POSITION OF EXISTING  
RENFORCED SECTION AT BASE OF FRONT ELEVATION  
COMPRESSIBLE PERMANENT SHUTTING TO BE  
INSTALLED IN FRONT OF INTERIOR TIMBER PANELLING  
CREATES A REINFORCED CONCRETE BEAM WHICH  
WILL ENSURE EVEN TRANSFER OF LOADS ACROSS  
THE EXISTING FOUNDATIONS. BEAM HIDDEN BY  
RENFORCED SECTIONS ONCE RENFORCED REINSTATED

SECTION A-A

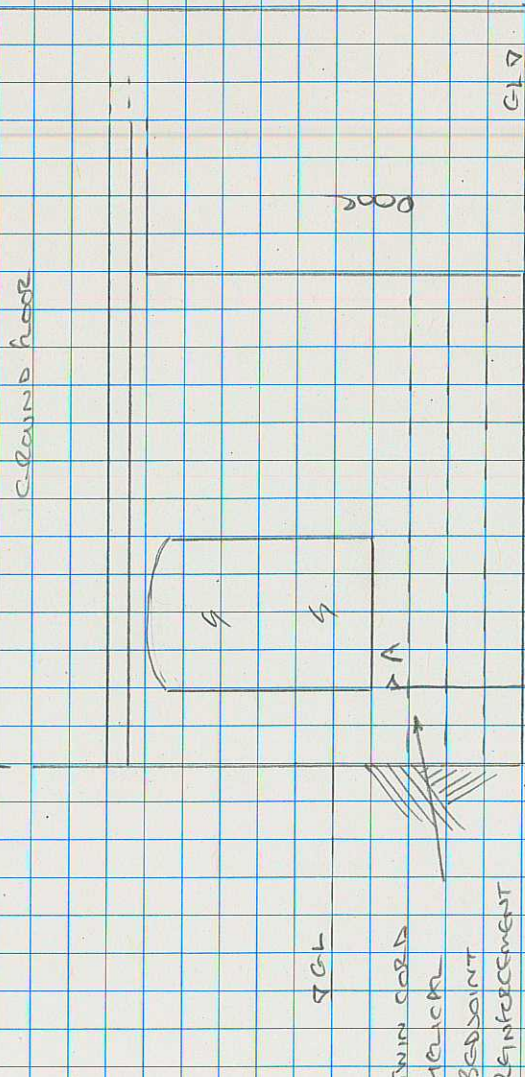
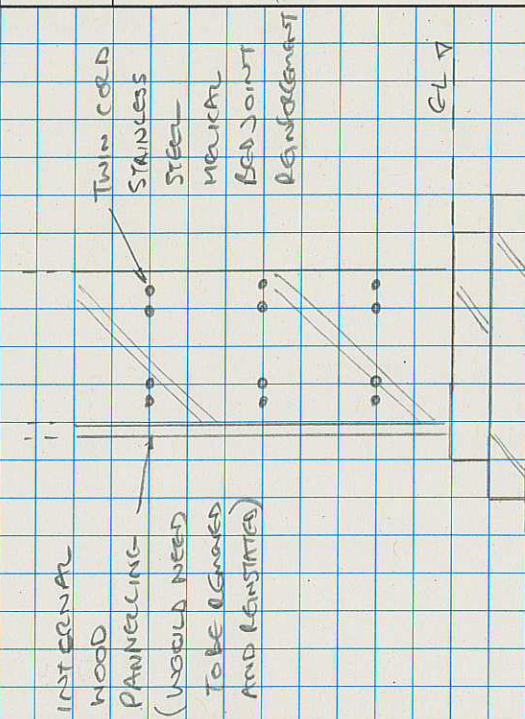
PRO'S

- REMOVES NEED FOR EXCAVATION WORK IN PUBLIC DOMAIN
- POTENTIAL TIME SAVING
- AS NO PERMISSIONS REQUIRED FOR EXCAVATION WORKS
- INVISIBLE UPON COMPLETION OF WORKS
- ALL WORKS EXTERNAL

CON'S

- RISK OF DISPOSITION WHEN APPLYING FOR LISTED BUILDING CONSENT
- SIGNIFICANT DISRUPTION OF ORIGINAL FABRIC
- POTENTIAL FOR DAMAGE TO TIMBER PANELLING (INTERNAL DURING REMEDIATION OUT OF BRICKWORK

rev. date DIACRAMMATICAL SKETCH



DESCRIPTION	PRO'S	CON'S
INSTALLATION OF STAINLESS STEEL HELICAL BEAD JOINT REINFORCEMENT. THREE LINES OF 2 NO. TWIN CORE REINFORCEMENT AS SHOWN ABOVE. THE REINFORCEMENT WOULD BE INSTALLED FROM BOTH INTERNAL AND EXTERNAL FACES OF THE FRONT ELEVATION WHICH WOULD REQUIRE REMOVAL OF THE INTERNAL TIMBER PANNING. THE REINFORCEMENT WOULD BE INSTALLED BY DIAMOND CUTTING SLOTS IN THE EXISTING BEAD JOINTS INSTALLED THE REINFORCEMENT INTO THE SLOTS (SET IN A SPECIMIST CREWT) BEFORE REPOINTING OF FACADE AND REINSTATEMENT OF TIMBER PANNING	<ul style="list-style-type: none"> <li>QUICK INSTALLATION</li> <li>NO EXCAVATION IN PUBLIC DOMAIN</li> <li>LESS DISRUPTIVE THAN CREATION OF REINFORCED CONCRETE BEAM (OPTION 2)</li> <li>POTENTIAL TIME SAVING IN RESPECT OF PERMISSIONS FOR EXCAVATIONS</li> <li>TIES BEADWORK TOGETHER AT CORNER JOINTS</li> </ul>	<ul style="list-style-type: none"> <li>MAY BE AFFECTED BY CONSTRUCTION OF STRUCTURE (IE POOR QUALITY BRICKWORK BEHIND FACADE)</li> <li>DUSTY / DIRTY INSTALLATION</li> <li>REQUIRES WORKS TO BE UNDERTAKEN INTERNALLY</li> <li>REQUIRES REMOVAL OF INTERIOR TIMBER PANNING</li> <li>LIKELY TO BE SUBJECTS RE: LISTED BUILDING CONSENT</li> </ul>
ALLOWS EFFECTIVE LOAD TRANSFER THROUGH EXISTING BEADWORK ONTO EXISTING FOUNDATIONS	<ul style="list-style-type: none"> <li>REQUIRES REMOVAL OF INTERIOR TIMBER PANNING</li> <li>LIKELY TO BE SUBJECTS RE: LISTED BUILDING CONSENT</li> </ul>	

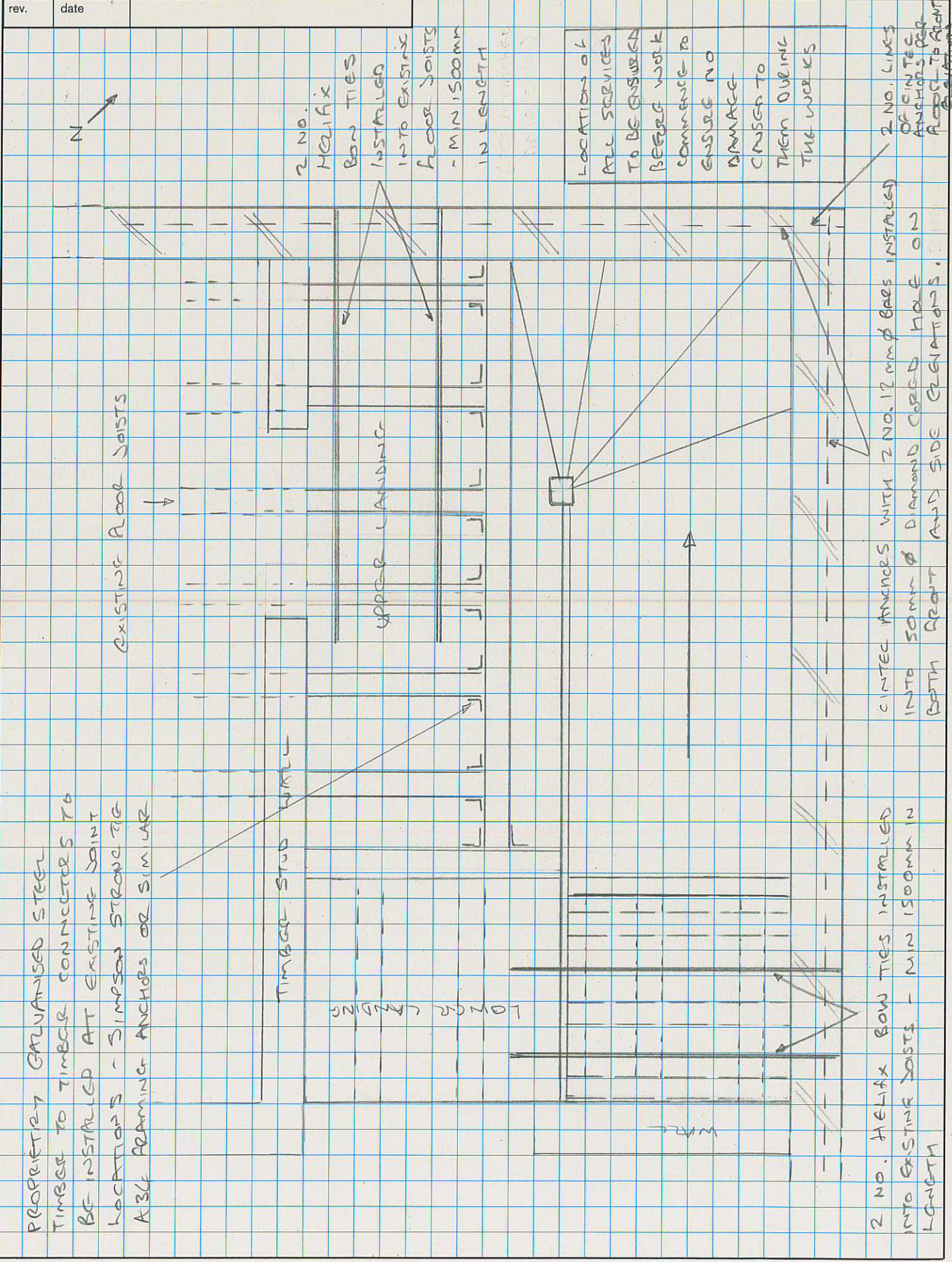
TO BE READ IN CONJUNCTION WITH ANNOTATED IMAGE REF: 130581/10001/SP

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**conisbee** Consulting Structural Engineers  
 Consulting Civil Engineers

project	46 WELL WALK
job no.	130581
sheet no.	SS10004
date	16/09/15
engineer	SP
checked	

title  
 PROPOSED REMEDIAL REPAIR  
 DETAIL - STRUCTURAL  
 STRENGTHENING AROUND  
 STAIRCASE



PROPRIETARY GALVANISED STEEL  
 TIMBER TO TIMBER CONNECTORS TO  
 BE INSTALLED AT EXISTING JOINT  
 LOCATIONS - SIMPSON STRONG TIE  
 ABC FRAMING ANCHORS OR SIMILAR

2 NO.  
 HELIX  
 BOW TIES  
 INSTALLED  
 INTO EXISTING  
 FLOOR JOISTS  
 - MIN 1500MM  
 IN LENGTH

LOCATIONS OF  
 ALL SERVICES  
 TO BE ENSURED  
 BEFORE WORK  
 COMMENCE TO  
 ENSURE NO  
 DAMAGE  
 CAUSED TO  
 THEM DURING  
 THE WORKS

2 NO. LINES  
 OF CINTEC  
 ANCHORS PER  
 FLOOR TO AVOID  
 CRACKING

CINTEC ANCHORS WITH 2 NO. 12 mm Ø BARS INSTALLED  
 INTO SOME Ø DIAMOND CORED HOLE ON  
 BOTH FRONT AND SIDE CREATIONS.

2 NO. HELIX BOW TIES INSTALLED  
 INTO EXISTING JOISTS - MIN 1500MM IN  
 LENGTH

ALL PROPRIETARY PRODUCTS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS