

**Request Title**

**Broome Primary School-  
Column Repairs to Selected  
Teaching Blocks**

**Contract Description**

BUILDING MAINTENANCE AND IMPROVEMENTS

**On behalf of the**

Department of Education

**Consultant Firm**

N/A

**Principal**

MINISTER FOR WORKS

**Lodgement of Response**

Date: 18th of June 2025

Time: Before 2:30pm

Electronically:

[www.tenders.wa.gov.au](http://www.tenders.wa.gov.au)

**Request No**

**FINW0135125**

T  
S  
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R

SET No:

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## ELIGIBILITY TO QUOTE

### SERVICE ALLIANCE 2012 REQUIREMENT

To be eligible to submit an Offer for this Request, Respondents are **REQUIRED TO BE MEMBERS OF THE DEPARTMENT OF FINANCE SERVICE ALLIANCE 2012 AND MAINTAIN A PERMANENT OPERATIONAL OFFICE WITHIN THE PRESCRIBED DISTANCE OF THE CONTRACT DELIVERY POINT.**

The contract delivery point is Broome and the Prescribed Distance is within 400 kms Zone 3 of this location (excluding the Perth metropolitan region).

Respondents are required to be members prior to the Request Closing Time.

Respondents unsure of their eligibility to submit an Offer should check with the nominated contact for Request enquiries **before** submitting an Offer.

Offers received from Respondents that are not members of the Service Alliance 2012 will **not** be considered.

Information about the Service Alliance 2012 is available online at <https://www.wa.gov.au/government/multi-step-guides/supplying-works-related-services/contractors-and-low-value-maintenance-work>. Please navigate to the section titled "Service Alliance 2012 (SA12) for regional maintenance."

Businesses wishing to submit an Offer for this Request should note that applications may not be processed before the Request Closing Time.

## DEPARTMENT OF FINANCE – QUOTATION

Responsible Officer contact enquiries: LANCE HAYDOCK.

**FINW0135125 BROOME PRIMARY SCHOOL – Column Repairs to Selected Teaching Blocks**

Mail: Department of Finance. Phone: 08 9194 9724. mobile 0409 634 258.

Email: [lance.haydock@finance.wa.gov.au](mailto:lance.haydock@finance.wa.gov.au)

Quotations are invited by the Minister for Works, the Principal, for the Works described below, subject to any drawings and specifications attached and the Department of Finance Service Alliance 2012 General Conditions of Contract, a copy of which is available upon the Department of Finance web site, [www.finance.wa.gov.au](http://www.finance.wa.gov.au).



Your quotation should reach the Responsible Officer nominated at the top of this form before **2:30PM**, on the **21/05/2025**. and email submissions will be accepted.

On behalf of the Minister for Works



Document 1  
14/05/2025

Approval Document Forms Part of CDC  
Paul Finucane Level 1 Building Surveyor Reg 179

**17/04/2025**

Date:

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**FINW0135125 BROOME PRIMARY SCHOOL – Column Repairs to Selected Teaching Blocks**



## DEPARTMENT OF FINANCE – QUOTATION

### DESCRIPTION AND LOCATION OF THE SCOPE WORKS BROOME PRIMARY SCHOOL – Column Repairs to Selected Teaching Blocks



**PRE-PRIMARY BLOCK**



**D BLOCK TEACHING BLOCK**



FINW0135 building approvals

PRIMARY SCHOOL – Column Repairs to Selected Teaching Blocks

2

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Document 2  
14/05/2025



## DEPARTMENT OF FINANCE – QUOTATION



UNDERCOVER BASKETBALL COURT

AS A RESULT OF RETICULATED SURFACE WATER ACCUMULATION AROUND VERANDA COLUMNS SEVERE CORROSION TO COLUMNS AND CYCLONE BRACING STRUCTURES EXTENSIVE REPAIRS ARE REQUIRE AS OUTLINED IN THE TENDER DOCUMENTATION SPECIFICATION, DRAWINGS AND PHOTOGRAPHS.

**GENERAL:**

1. **TEMPORARY STABILITY:** CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY STABILITY DURING CONSTRUCTION.
2. **EXISTING:** CONTRACTOR TO ENSURE BEFORE COMMENCEMENT OF WORKS THAT EXISTING IS AS DOCUMENTED ON THE STRUCTURAL DRAWINGS. IF DISCREPANCIES EXIST, PI FASE CONTACT DoF.



## DEPARTMENT OF FINANCE – QUOTATION

**3. PROPPING:** CONTRACTOR TO ENSURE THAT THE EXISTING STRUCTURE IS ADEQUATELY PROPPED DURING WORKS SO AS TO MAINTAIN STRUCTURAL INTEGRITY AND STABILITY.

**4. DIMENSIONS:** CONFIRM ALL DIMENSIONS BY SITE MEASUREMENT PRIOR TO COMMENCING SHOP DRAWINGS AND

### FABRICATION.

**1. STANDARD:** ALL WORK TO BE IN ACCORDANCE WITH AS 4100, AS 4600 AND AS/NZ 5131.

**2. BOLTS:** ALL BOLTS TO BE HOT DIPPED GALVANISED. ALL BOLTS EXCLUDING HOLDING DOWN AND PURLIN BOLTS TO BE GRADE 8.8/S UNO. HIGH STRENGTH STRUCTURAL BOLTS SHALL BE VERIFIED TO AS/NZS 1252.2. THE DOCUMENTATION REQUIRED BY THE STANDARD, INCLUDING THE 'SUPPLIER DECLARATION OF CONFORMITY' (SDOC) SHALL BE PROVIDED.

**3. CORROSION PROTECTION:** NEW EXTERNAL COLUMNS. CLASS 2.5 SANDBLAST AND 1 COAT INORGANIC ZINC SILICATE PRIMER TO 75µm PRIOR TO TOP COATS TO MATCH EXISTING. EXISTING COLUMNS IDENTIFIED AS GRADE 3 (REPAINT) TO BE POWER TOOL CLEANED TO St3 TO EXPOSE SOUND STEELWORK AND 1 COAT INORGANIC ZINC SILICATE PRIMER TO 75µm PRIOR TO TOP COATS TO MATCH EXISTING. PAINT ALL STEELWORK BELOW GROUND WITH 2 COATS OF HIGH BUILD EPOXY.

**4. SITE WELDING:** BY SUITABLY QUALIFIED PERSONNEL. STEELWORK SPECIFIED AS COATED WITH INORGANIC ZINC SILICATE SHALL HAVE DAMAGE MADE GOOD WITH 2 COATS OF A ZINC RICH EPOXY PRIMER.

**5. MIN. CONNECTIONS:** UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS, CONNECTION DETAILS SHALL BE IN ACCORDANCE WITH THE FOLLOWING MINIMUM REQUIREMENTS:

**A.** ALL WELDS SHALL BE 6MM CONTINUOUS FILLET WELD (CFW) ALL ROUND.

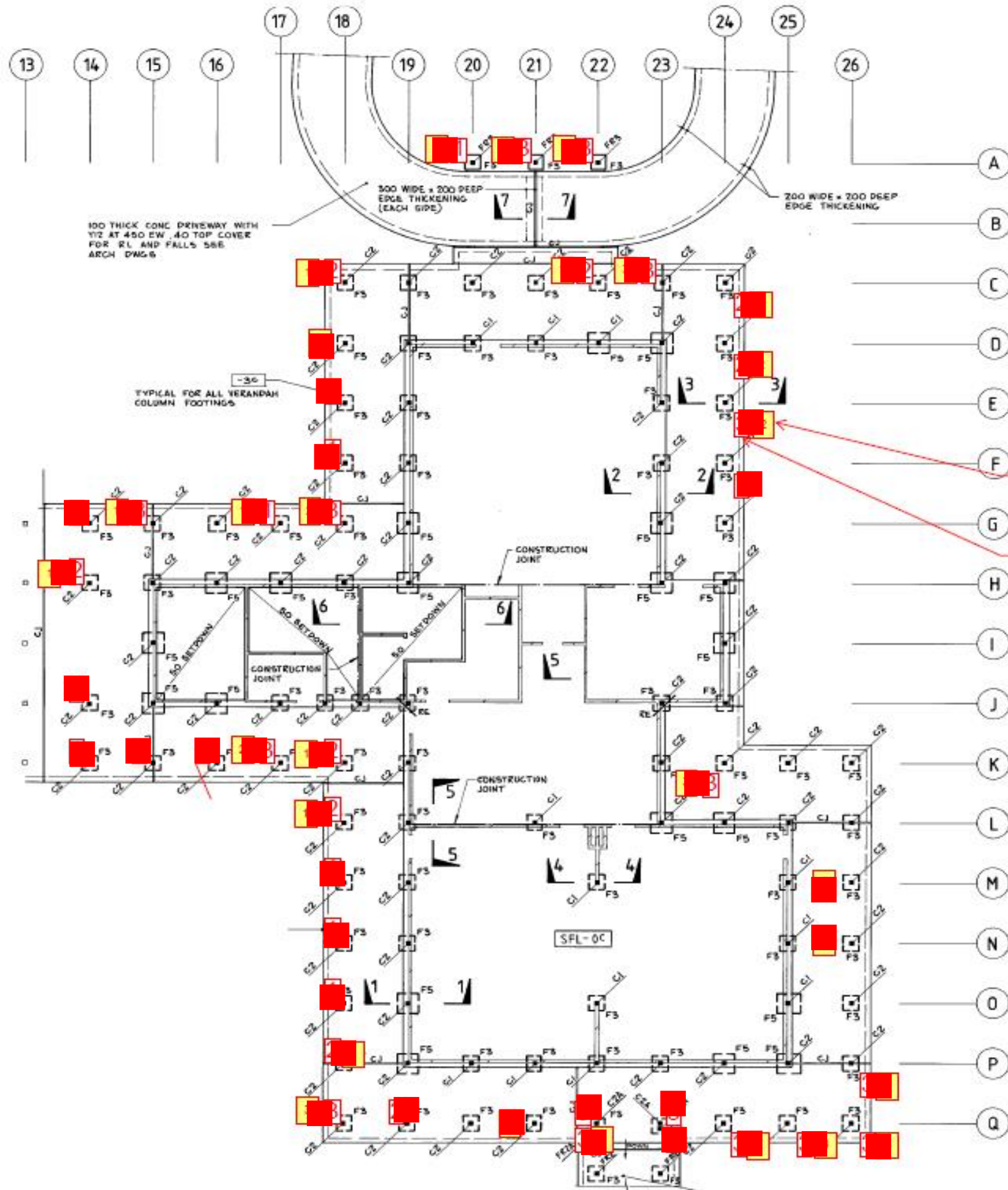
**B.** ALL STEEL TO STEEL BOLTED CONNECTIONS SHALL BE MINIMUM TWO M16 GRADE 8.8/S.

**C.** A MINIMUM OF TWO THREADS SHALL EXTEND PAST

**D.** ALL PLATES SHALL BE 10MM MINIMUM THICK.



## DEPARTMENT OF FINANCE – QUOTATION

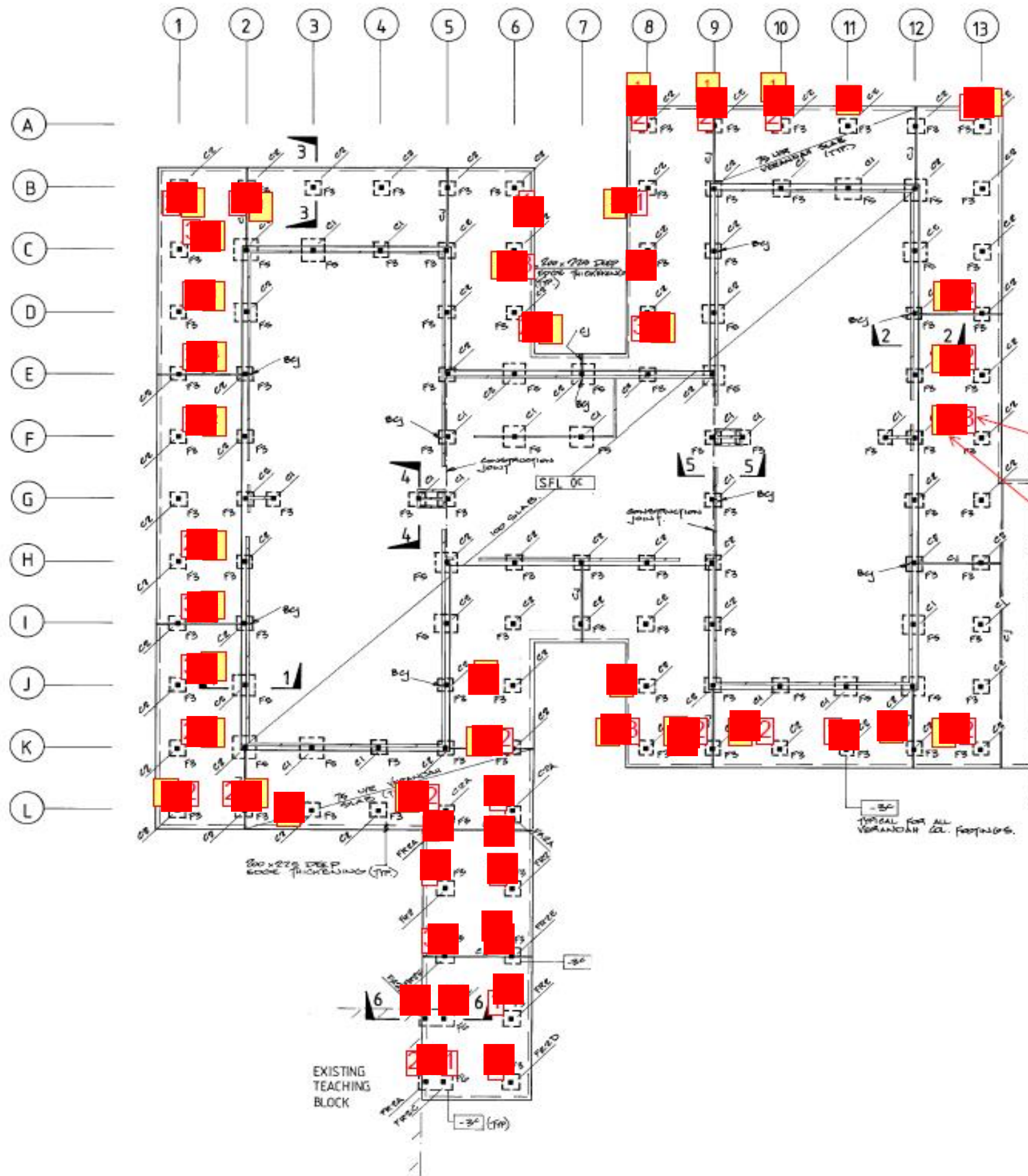


SITE PLAN

Column Repair Locations ■



## DEPARTMENT OF FINANCE – QUOTATION



SITE PLAN

Column Repair Locations ■



## DEPARTMENT OF FINANCE – QUOTATION

GENERAL:

1. **TEMPORARY STABILITY:** CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY STABILITY DURING CONSTRUCTION.
2. **EXISTING:** CONTRACTOR TO ENSURE BEFORE COMMENCEMENT OF WORKS THAT EXISTING IS AS DOCUMENTED ON THE STRUCTURAL DRAWINGS. IF DISCREPANCIES EXIST PLEASE CONTACT THIS OFFICE.
3. **PROPPING:** CONTRACTOR TO ENSURE THAT THE EXISTING STRUCTURE IS ADEQUATELY PROPPED DURING WORKS SO AS TO MAINTAIN STRUCTURAL INTEGRITY AND STABILITY.
4. **DIMENSIONS:** CONFIRM ALL DIMENSIONS BY SITE MEASUREMENT PRIOR TO COMMENCING SHOP DRAWINGS AND FABRICATION.

CONCRETE:

1. **STANDARD:** ALL WORK TO BE IN ACCORDANCE WITH AS 3600.

2. **STRENGTH ( $f_c$ ):**

ELEMENT	STRENGTH ( $f_c$ )
EXTERNAL INFILL CONCRETE	N25

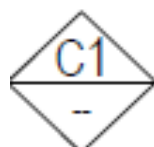
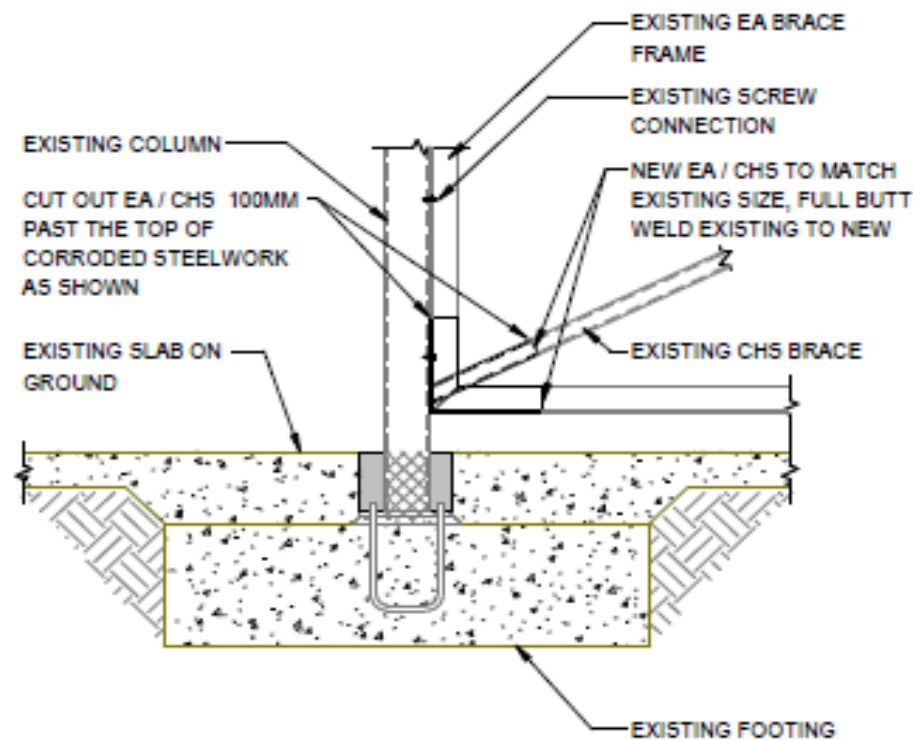
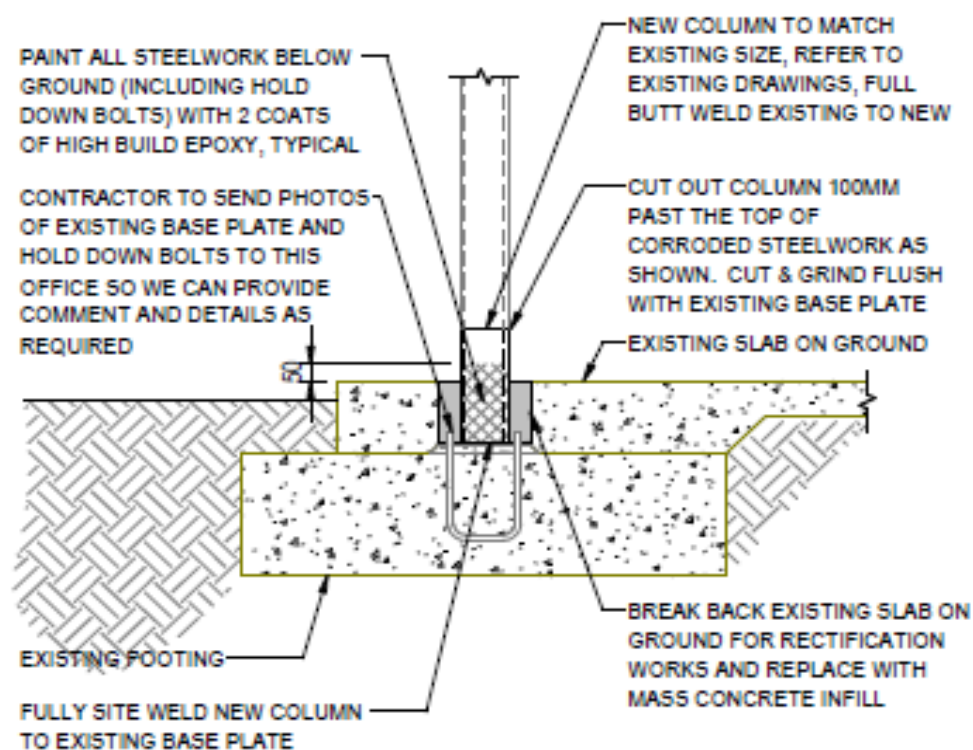
3. **SLUMP**

ELEMENT	SLUMP (mm)
ALL CONCRETE, UNLESS OTHERWISE NOTED.	80

4. **COMPACTION:** IMMERSION TYPE VIBRATORS TO BE USED TO COMPACT ALL CONCRETE.

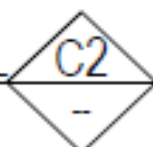
STEELWORK:

1. **STANDARD:** ALL WORK TO BE IN ACCORDANCE WITH AS 4100, AS 4600 AND AS/NZ 5131.
2. **BOLTS:** ALL BOLTS TO BE HOT DIPPED GALVANISED. ALL BOLTS EXCLUDING HOLDING DOWN AND PURLIN BOLTS TO BE GRADE 8.8/5 UNO. HIGH STRENGTH STRUCTURAL BOLTS SHALL BE VERIFIED TO AS/NZS 1252.2. THE DOCUMENTATION REQUIRED BY THE STANDARD, INCLUDING THE 'SUPPLIER DECLARATION OF CONFORMITY' (SDOC) SHALL BE PROVIDED.
3. **CORROSION PROTECTION:** NEW EXTERNAL COLUMNS. CLASS 2.5 SANDBLAST AND 1 COAT INORGANIC ZINC SILICATE PRIMER TO 75µm PRIOR TO TOP COATS TO MATCH EXISTING.  
  
EXISTING COLUMNS IDENTIFIED AS GRADE 3 (REPAINT) TO BE POWER TOOL CLEANED TO S13 TO EXPOSE SOUND STEELWORK AND 1 COAT INORGANIC ZINC SILICATE PRIMER TO 75µm PRIOR TO TOP COATS TO MATCH EXISTING. PAINT ALL STEELWORK BELOW GROUND WITH 2 COATS OF HIGH BUILD EPOXY.
4. **SITE WELDING:** BY SUITABLY QUALIFIED PERSONNEL. STEELWORK SPECIFIED AS COATED WITH INORGANIC ZINC SILICATE SHALL HAVE DAMAGE MADE GOOD WITH 2 COATS OF A ZINC RICH EPOXY PRIMER.
5. **MIN. CONNECTIONS:** UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS, CONNECTION DETAILS SHALL BE IN ACCORDANCE WITH THE FOLLOWING MINIMUM REQUIREMENTS:
  - A. ALL WELDS SHALL BE 6MM CONTINUOUS FILLET WELD (CFW) ALL ROUND.
  - B. ALL STEEL TO STEEL BOLTED CONNECTIONS SHALL BE MINIMUM TWO M16 GRADE 8.8/5.
  - C. A MINIMUM OF TWO THREADS SHALL EXTEND PAST THE NUT.
  - D. ALL PLATES SHALL BE 10MM MINIMUM THICK.



TYPICAL COLUMN REPLACEMENT DETAIL

1:20

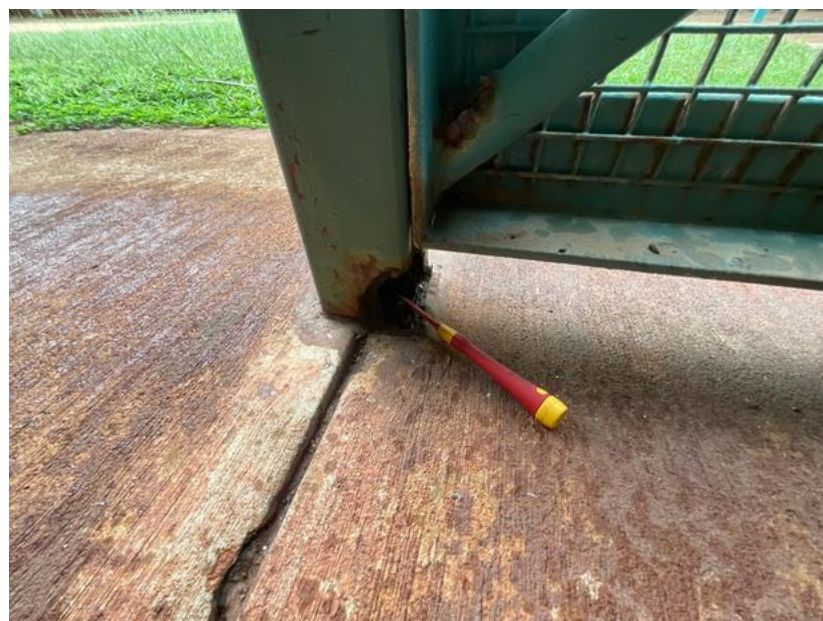


TYPICAL BRACE REPLACEMENT DETAIL

1:20



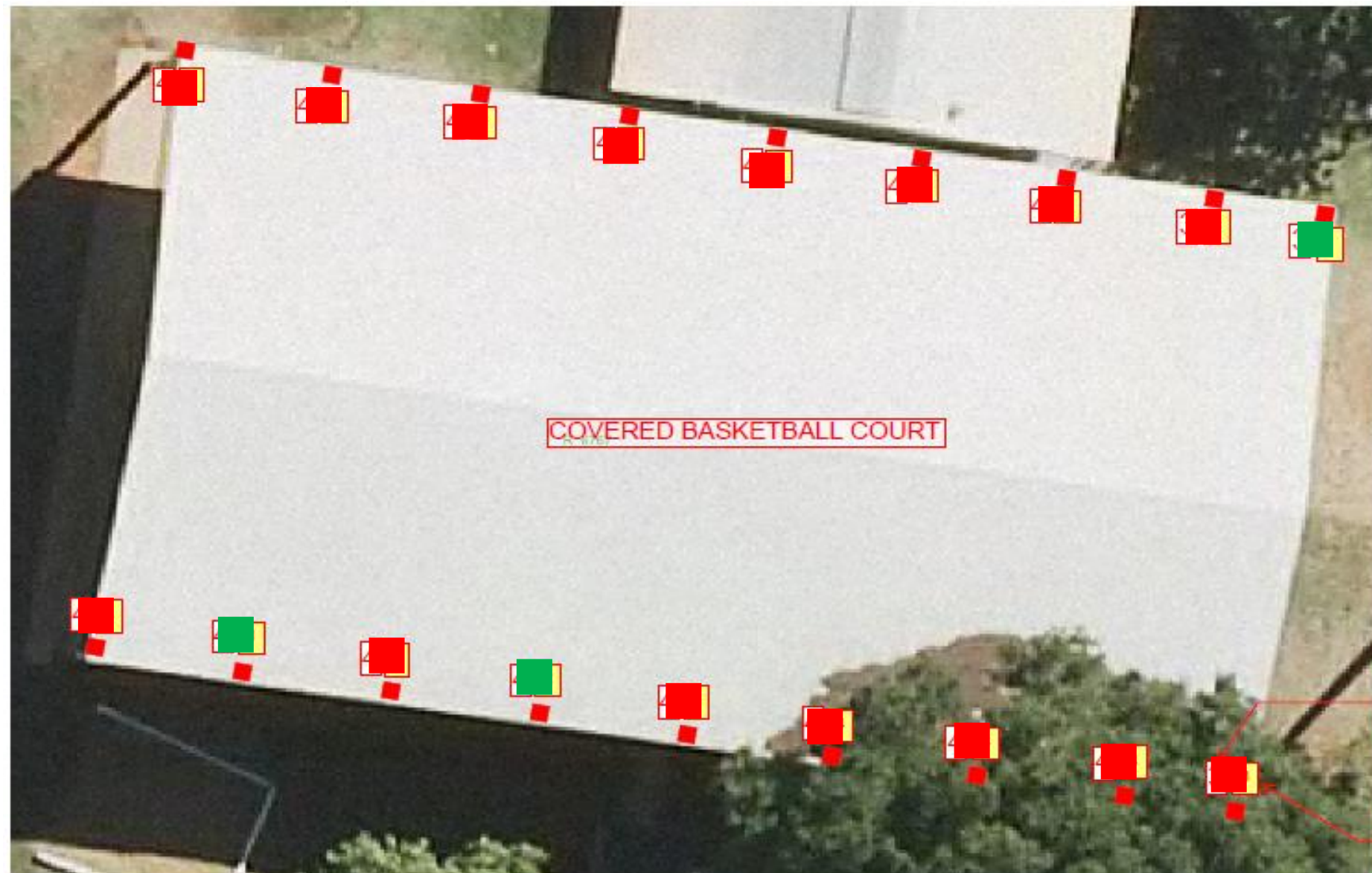
# DEPARTMENT OF FINANCE – QUOTATION



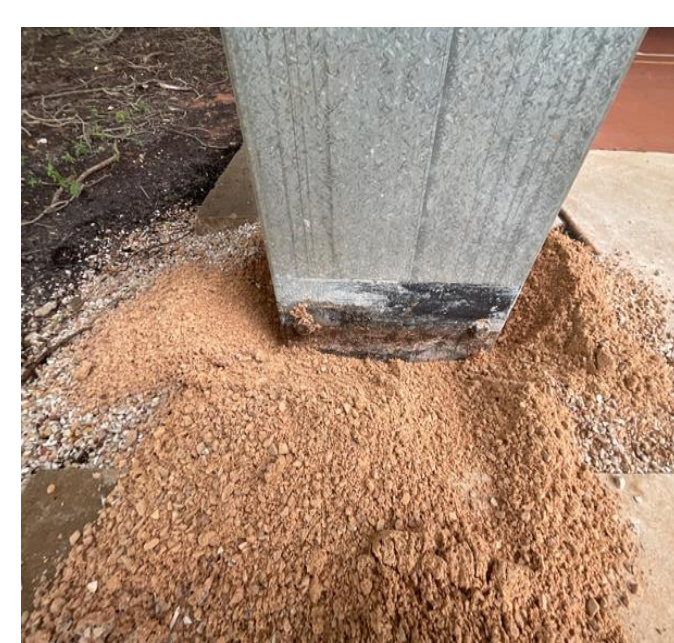
TYPICAL RUSTED COLUMNS



## DEPARTMENT OF FINANCE – QUOTATION



Column Repair Locations ■  
 Column Replacement Locations ■









25-012

19 May 2025

Mr Lance Haydock  
Department of Finance



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**Paul Finucane Level 1 Building Surveyor Reg 179**  
Liability limited by a scheme approved under Professional Standards Legislation

Dear Lance

## Broome Primary School – Block D

We confirm that we have carried out the structural design for the above project.

The structural design for strength, serviceability and fire properties of the structural elements of the building comply with the requirements of the National Construction Code Volume 1 2022 all relevant Australian Standards as referenced in the forementioned.

The structural drawings adequately convey the intent of the structural design and are numbered as follows:

Drawing No.	Drawing Title
SK2	Verandah Column & Brace Replacement Details

The design for this project has been carried out by a professional engineer (Structural) as defined in the National Construction Code.

Please contact our office should you require further assistance with this matter.

Yours sincerely

**JEREMY MOSCARDA**  
Project Engineer - Structural  
Perth



GENERAL:

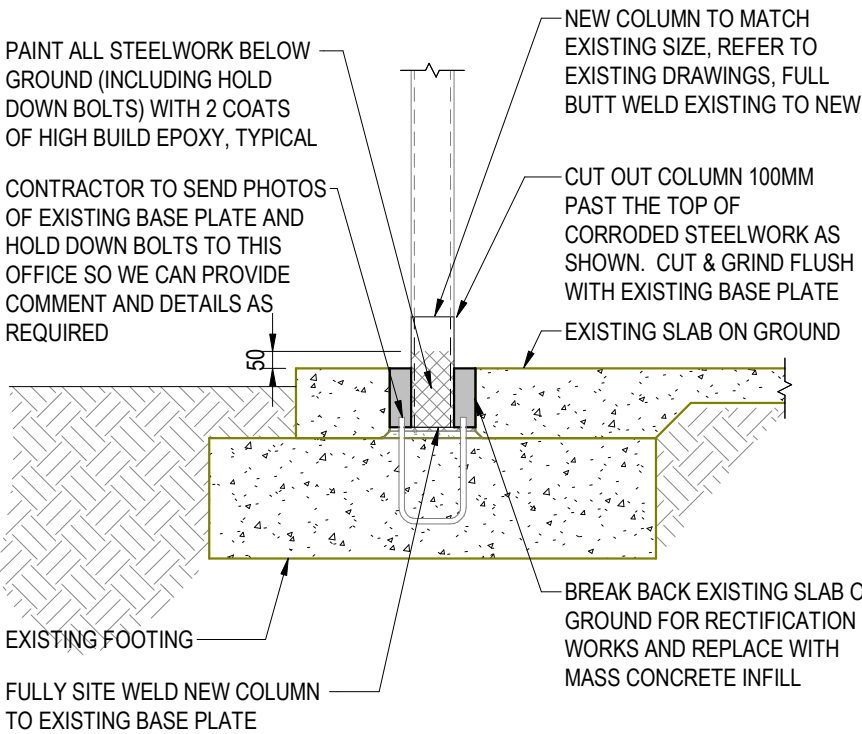
- 1. **TEMPORARY STABILITY:** CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY STABILITY DURING CONSTRUCTION.
- 2. **EXISTING:** CONTRACTOR TO ENSURE BEFORE COMMENCEMENT OF WORKS THAT EXISTING IS AS DOCUMENTED ON THE STRUCTURAL DRAWINGS. IF DISCREPANCIES EXIST PLEASE CONTACT THIS OFFICE.
- 3. **PROPPING:** CONTRACTOR TO ENSURE THAT THE EXISTING STRUCTURE IS ADEQUATELY PROPPED DURING WORKS SO AS TO MAINTAIN STRUCTURAL INTEGRITY AND STABILITY.
- 4. **DIMENSIONS:** CONFIRM ALL DIMENSIONS BY SITE MEASUREMENT PRIOR TO COMMENCING SHOP DRAWINGS AND FABRICATION.

CONCRETE:

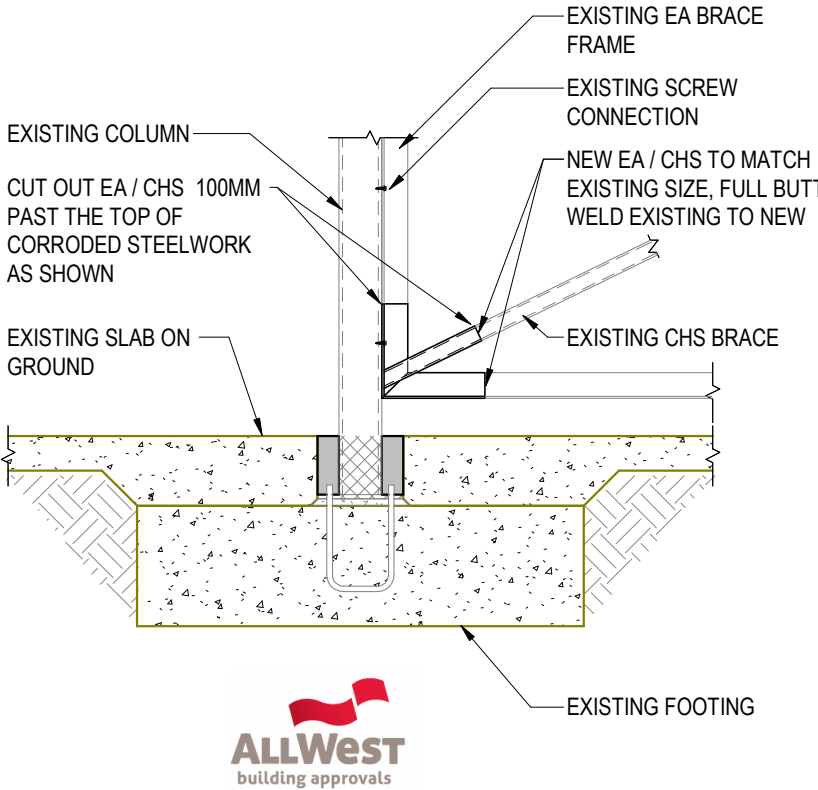
- 1. **STANDARD:** ALL WORK TO BE IN ACCORDANCE WITH AS 3600.
- 2. **STRENGTH (f<sub>c</sub>):**

ELEMENT	STRENGTH (f <sub>c</sub> )
EXTERNAL INFILL CONCRETE	N25
- 3. **SLUMP**

ELEMENT	SLUMP (mm)
ALL CONCRETE, UNLESS OTHERWISE NOTED.	80
- 4. **COMPACTION:** IMMERSION TYPE VIBRATORS TO BE USED TO COMPACT ALL CONCRETE.



C1 TYPICAL COLUMN REPLACEMENT DETAIL 1:20




C2 TYPICAL BRACE REPLACEMENT DETAIL 1:20

STEELWORK:

- 1. **STANDARD:** ALL WORK TO BE IN ACCORDANCE WITH AS 4100, AS 4600 AND AS/NZ 5131.
- 2. **BOLTS:** ALL BOLTS TO BE HOT DIPPED GALVANISED. ALL BOLTS EXCLUDING HOLDING DOWN AND PURLIN BOLTS TO BE GRADE 8.8/S UNO. HIGH STRENGTH STRUCTURAL BOLTS SHALL BE VERIFIED TO AS/NZS 1252.2. THE DOCUMENTATION REQUIRED BY THE STANDARD, INCLUDING THE 'SUPPLIER DECLARATION OF CONFORMITY' (SDOC) SHALL BE PROVIDED.
- 3. **CORROSION PROTECTION:** NEW EXTERNAL COLUMNS. CLASS 2.5 SANDBLAST AND 1 COAT INORGANIC ZINC SILICATE PRIMER TO 75µm PRIOR TO TOP COATS TO MATCH EXISTING.  
  
EXISTING COLUMNS IDENTIFIED AS GRADE 3 (REPAINT) TO BE POWER TOOL CLEANED TO Si3 TO EXPOSE SOUND STEELWORK AND 1 COAT INORGANIC ZINC SILICATE PRIMER TO 75µm PRIOR TO TOP COATS TO MATCH EXISTING. PAINT ALL STEELWORK BELOW GROUND WITH 2 COATS OF HIGH BUILD EPOXY.
- 4. **SITE WELDING:** BY SUITABLY QUALIFIED PERSONNEL. STEELWORK SPECIFIED AS COATED WITH INORGANIC ZINC SILICATE SHALL HAVE DAMAGE MADE GOOD WITH 2 COATS OF A ZINC RICH EPOXY PRIMER.
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  - C. A MINIMUM OF TWO THREADS SHALL EXTEND PAST THE NUT.
  - D. ALL PLATES SHALL BE 10MM MINIMUM THICK.

1	21/1/25	ISSUED FOR INFORMATION	RD	RD
REV	DATE	DESCRIPTION	BY	APPD



430 Roberts Road  
Subiaco WA 6008  
PO Box 2150  
Subiaco WA 6904  
Telephone: (08) 9382 5111  
admin@pfeng.com.au



Government of **Western Australia**  
Department of **Finance**  
Buildings and Contracts

BROOME PRIMARY SCHOOL  
38 WELD ST, BROOME  
VERANDAH COLUMN & BRACE  
REPLACEMENT DETAILS

DRAWN	RD	DESIGNED	RD	REDUCTION
CHECKED	-	PRINCIPAL		0 25
APPROVED	-			
SCALE	As indicated	DATE	JAN 25	DRAWING No.
BMW PROJ No.	-	BMW FILE No.	-	SK2 1



25-012

19 May 2025

Mr Lance Haydock  
Department of Finance



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**Paul Finucane Level 1 Building Surveyor Reg 179**  
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Dear Lance

## Broome Primary School – Covered Basketball Court

We confirm that we have carried out the structural design for the above project.

The structural design for strength, serviceability and fire properties of the structural elements of the building comply with the requirements of the National Construction Code Volume 1 2022 all relevant Australian Standards as referenced in the forementioned.

The structural drawings adequately convey the intent of the structural design and are numbered as follows:

Drawing No.	Drawing Title
SK2	Covered Basketball Court Column Remediation Details
SK3	Unnamed

The design for this project has been carried out by a professional engineer (Structural) as defined in the National Construction Code.

Please contact our office should you require further assistance with this matter.

Yours sincerely

**JEREMY MOSCARDA**  
Project Engineer - Structural  
Perth



GENERAL:

- 1. **TEMPORARY STABILITY:** CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY STABILITY DURING CONSTRUCTION.
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- 4. **DIMENSIONS:** CONFIRM ALL DIMENSIONS BY SITE MEASUREMENT PRIOR TO COMMENCING SHOP DRAWINGS AND FABRICATION.

CONCRETE:

- 1. **STANDARD:** ALL WORK TO BE IN ACCORDANCE WITH AS 3600.

2. <b>STRENGTH (f'c):</b>	ELEMENT	STRENGTH (f'c)
	EXTERNAL INFILL CONCRETE	N25

3. <b>SLUMP</b>	ELEMENT	SLUMP (mm)
	ALL CONCRETE, UNLESS OTHERWISE NOTED.	80

- 4. **COMPACTION:** IMMERSION TYPE VIBRATORS TO BE USED TO COMPACT ALL CONCRETE.


STEELWORK:

- 1. **STANDARD:** ALL WORK TO BE IN ACCORDANCE WITH AS 4100, AS 4600 AND AS/NZ 5131.
- 2. **BOLTS:** ALL BOLTS TO BE HOT DIPPED GALVANISED. ALL BOLTS EXCLUDING HOLDING DOWN AND PURLIN BOLTS TO BE GRADE 8.8/S UNO. HIGH STRENGTH STRUCTURAL BOLTS SHALL BE VERIFIED TO AS/NZS 1252.2. THE DOCUMENTATION REQUIRED BY THE STANDARD, INCLUDING THE 'SUPPLIER DECLARATION OF CONFORMITY' (SDOC) SHALL BE PROVIDED.
- 3. **CORROSION PROTECTION:** NEW REPLACEMENT COLUMNS TO BE REMAIN WITH FACTORY ZINC COATING SO AS TO MATCH THE REST OF THE EXISTING STRUCTURE.
- 4. **SITE WELDING:** BY SUITABLY QUALIFIED PERSONNEL. STEELWORK SPECIFIED AS COATED WITH INORGANIC ZINC SILICATE SHALL HAVE DAMAGE MADE GOOD WITH 2 COATS OF A ZINC RICH EPOXY PRIMER.
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  - D. ALL PLATES SHALL BE 10MM MINIMUM THICK.



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1	20/2/25	ISSUED FOR INFORMATION	RD	RD
REV	DATE	DESCRIPTION	BY	APPD



430 Roberts Road  
Subiaco WA 6008  
PO Box 2150  
Subiaco WA 6904

Telephone: (08) 9382 5111  
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Government of **Western Australia**  
Department of **Finance**  
**Buildings and Contracts**

BROOME PRIMARY SCHOOL  
38 WELD ST, BROOME  
COVERED BASKETBALL COURT COLUMN  
REMEDATION DETAILS

DRAWN	RD		DESIGNED	RD		REDUCTION <div>0<div></div>25</div>
CHECKED	-		PRINCIPAL			
APPROVED	-					
SCALE 1 : 100			DATE FEB 25			DRAWING No. <div>SK2<sup>1</sup></div>
BMW PROJ No. -			BMW FILE No. -			

300x200x100x3mm THICK COLUMN BASE  
PLATE CONNECT TO COLUMN VIA 4-M16  
BOLTS, CONNECT TO FOOTING VIA HILTI HIT-  
HY-200R V3 + 2-M16 HAS-U (8.8) HDG  
ANCHORS, 300 MIN EMBEDMENT, 150 MIN  
SPACING

BREAK BACK EXISTING SLAB ON GROUND  
FOR RECTIFICATION WORKS AND REPLACE  
WITH MASS CONCRETE INFILL

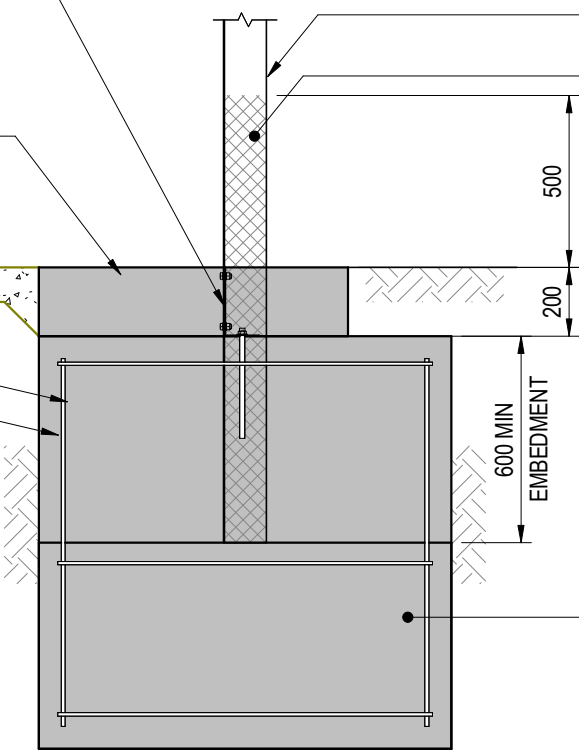
EXISTING SLAB ON GROUND

4-N12 BARS

R10/300 LIGS , 65 COVER

NOTE:

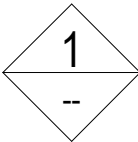
- REFER TO WIDE SPAN SHEDS ERECTION  
MANUAL FOR CONSTRUCTION BRACING  
REQUIREMENTS. DEMOLISH EXISTING  
COLUMN AND FOOTING AND REPLACE  
LIKE FOR LIKE AS SHOWN
- RE-USE EXISTING HAUNCH BRACKET  
AND FIXINGS
- RE-USE EXISTING KNEE BRACE AND  
FIXINGS



NEW C40030 COLUMN

PAINT ALL STEELWORK FOR  
THE EXTENTS SHOWN  
HATCHED (INCLUDING  
CHEMICAL ANCHORS AND  
BOLTS) WITH 2 COATS OF  
HIGH BUILD EPOXY, TYPICAL

NEW FOOTING TO MATCH SIZE  
OF EXISTING FOOTING  
(1200x1200x1200 DEEP PAD OR  
DIA 750 x 3300 DEEP PILE)



## TYPICAL COLUMN REPLACEMENT DETAIL

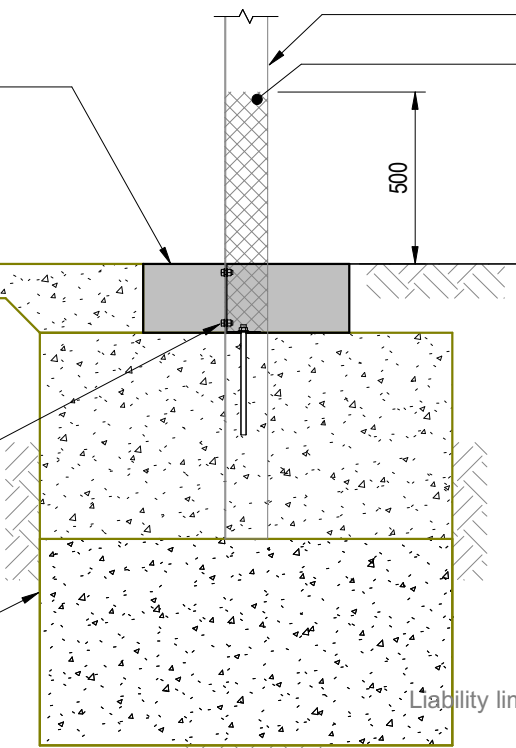
1 : 20

BREAK BACK EXISTING SLAB ON GROUND  
FOR PAINT PROTECTION WORKS AND  
REPLACE WITH MASS CONCRETE INFILL

EXISTING SLAB ON GROUND

EXISTING BASE PLATE TO  
REMAIN

EXISTING FOOTING TO  
REMAIN

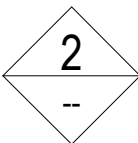


EXISTING C40030 COLUMN

PAINT ALL STEELWORK FOR  
THE EXTENTS SHOWN  
HATCHED (INCLUDING  
CHEMICAL ANCHORS AND  
BOLTS) WITH 2 COATS OF  
HIGH BUILD EPOXY, TYPICAL



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## TYPICAL COLUMN PAINT PROTECTION DETAIL

1 : 20

1	20/2/25	ISSUED FOR INFORMATION	RD	RD
REV	DATE	DESCRIPTION	BY	APPD



430 Roberts Road  
Subiaco WA 6008  
PO Box 2150  
Subiaco WA 6904

Telephone: (08) 9382 5111  
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Government of **Western Australia**  
Department of **Finance**

**Buildings and Contracts**

BROOME PRIMARY SCHOOL  
38 WELD ST, BROOME  
Unnamed

DRAWN	RD	DESIGNED	RD	REDUCTION
CHECKED	-	PRINCIPAL		0 25
APPROVED	-			
SCALE	1 : 20	DATE	FEB 25	DRAWING No.
BMW PROJ No.	-	BMW FILE No.		SK3 1

THIS IS A REVIT DRAWING  
DO NOT AMEND MANUALLY

23-144  
\\perfs01\NAFiling\2025\Projects\25-012 Broome  
Primary School Column  
Repair\Drawings\STR\25-012\_BROOME PRIMARY  
SCHOOL COVERED BASKET BALL\_RVT2023.rvt





25-012

19 May 2025

Mr Lance Haydock  
Department of Finance



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**Paul Finucane Level 1 Building Surveyor Reg 179**  
Liability limited by a scheme approved under Professional Standards Legislation

Dear Lance

## Broome Primary School – Pre Primary Block

We confirm that we have carried out the structural design for the above project.

The structural design for strength, serviceability and fire properties of the structural elements of the building comply with the requirements of the National Construction Code Volume 1 2022 all relevant Australian Standards as referenced in the forementioned.

The structural drawings adequately convey the intent of the structural design and are numbered as follows:

Drawing No.	Drawing Title
SK2	Verandah Column & Brace Replacement Details

The design for this project has been carried out by a professional engineer (Structural) as defined in the National Construction Code.

Please contact our office should you require further assistance with this matter.

Yours sincerely

**JEREMY MOSCARDA**  
Project Engineer - Structural  
Perth

GENERAL:

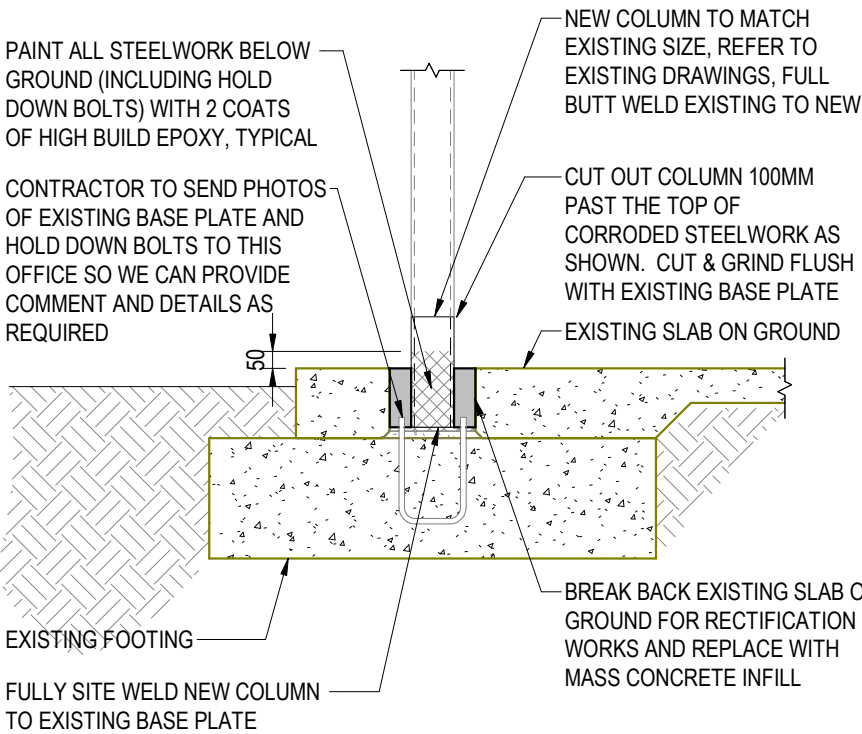
- 1. **TEMPORARY STABILITY:** CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY STABILITY DURING CONSTRUCTION.
- 2. **EXISTING:** CONTRACTOR TO ENSURE BEFORE COMMENCEMENT OF WORKS THAT EXISTING IS AS DOCUMENTED ON THE STRUCTURAL DRAWINGS. IF DISCREPANCIES EXIST PLEASE CONTACT THIS OFFICE.
- 3. **PROPPING:** CONTRACTOR TO ENSURE THAT THE EXISTING STRUCTURE IS ADEQUATELY PROPPED DURING WORKS SO AS TO MAINTAIN STRUCTURAL INTEGRITY AND STABILITY.
- 4. **DIMENSIONS:** CONFIRM ALL DIMENSIONS BY SITE MEASUREMENT PRIOR TO COMMENCING SHOP DRAWINGS AND FABRICATION.

CONCRETE:

- 1. **STANDARD:** ALL WORK TO BE IN ACCORDANCE WITH AS 3600.
- 2. **STRENGTH (f<sub>c</sub>):**

ELEMENT	STRENGTH (f <sub>c</sub> )
EXTERNAL INFILL CONCRETE	N25
- 3. **SLUMP**

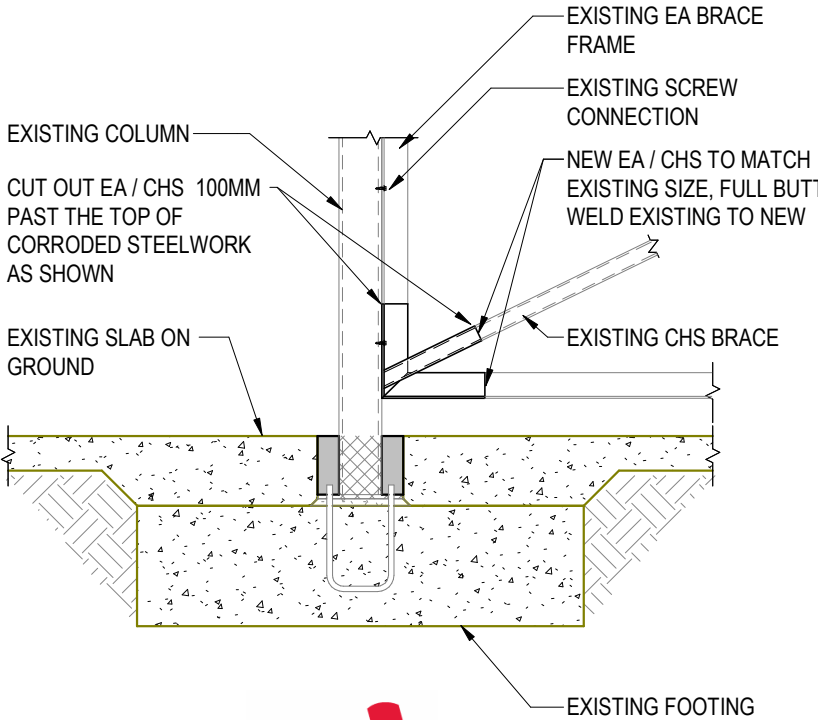
ELEMENT	SLUMP (mm)
ALL CONCRETE, UNLESS OTHERWISE NOTED.	80
- 4. **COMPACTION:** IMMERSION TYPE VIBRATORS TO BE USED TO COMPACT ALL CONCRETE.



C1

TYPICAL COLUMN REPLACEMENT DETAIL

1:20



Approval Document Forms Part of CDC

Paul Finucane Level 1 Building Surveyor Reg 179

Liability limited by a scheme approved under Professional Standards Legislation

C2

TYPICAL BRACE REPLACEMENT DETAIL

1:20

STEELWORK:

- 1. **STANDARD:** ALL WORK TO BE IN ACCORDANCE WITH AS 4100, AS 4600 AND AS/NZ 5131.
- 2. **BOLTS:** ALL BOLTS TO BE HOT DIPPED GALVANISED. ALL BOLTS EXCLUDING HOLDING DOWN AND PURLIN BOLTS TO BE GRADE 8.8/S UNO. HIGH STRENGTH STRUCTURAL BOLTS SHALL BE VERIFIED TO AS/NZS 1252.2. THE DOCUMENTATION REQUIRED BY THE STANDARD, INCLUDING THE 'SUPPLIER DECLARATION OF CONFORMITY' (SDOC) SHALL BE PROVIDED.
- 3. **CORROSION PROTECTION:** NEW EXTERNAL COLUMNS. CLASS 2.5 SANDBLAST AND 1 COAT INORGANIC ZINC SILICATE PRIMER TO 75µm PRIOR TO TOP COATS TO MATCH EXISTING.  
  
EXISTING COLUMNS IDENTIFIED AS GRADE 3 (REPAINT) TO BE POWER TOOL CLEANED TO Si3 TO EXPOSE SOUND STEELWORK AND 1 COAT INORGANIC ZINC SILICATE PRIMER TO 75µm PRIOR TO TOP COATS TO MATCH EXISTING. PAINT ALL STEELWORK BELOW GROUND WITH 2 COATS OF HIGH BUILD EPOXY.
- 4. **SITE WELDING:** BY SUITABLY QUALIFIED PERSONNEL. STEELWORK SPECIFIED AS COATED WITH INORGANIC ZINC SILICATE SHALL HAVE DAMAGE MADE GOOD WITH 2 COATS OF A ZINC RICH EPOXY PRIMER.
- 5. **MIN. CONNECTIONS:** UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS, CONNECTION DETAILS SHALL BE IN ACCORDANCE WITH THE FOLLOWING MINIMUM REQUIREMENTS:
  - A. ALL WELDS SHALL BE 6MM CONTINUOUS FILLET WELD (CFW) ALL ROUND.
  - B. ALL STEEL TO STEEL BOLTED CONNECTIONS SHALL BE MINIMUM TWO M16 GRADE 8.8/S.
  - C. A MINIMUM OF TWO THREADS SHALL EXTEND PAST THE NUT.
  - D. ALL PLATES SHALL BE 10MM MINIMUM THICK.

1	21/1/25	ISSUED FOR INFORMATION	RD	RD
REV	DATE	DESCRIPTION	BY	APPD

430 Roberts Road  
Subiaco WA 6008  
PO Box 2150  
Subiaco WA 6904  
Telephone: (08) 9382 5111  
admin@pfeng.com.au



Government of **Western Australia**  
Department of **Finance**  
**Buildings and Contracts**

BROOME PRIMARY SCHOOL  
38 WELD ST, BROOME  
VERANDAH COLUMN & BRACE  
REPLACEMENT DETAILS

DRAWN	RD	DESIGNED	RD	REDUCTION
CHECKED	-	PRINCIPAL		0 25
APPROVED	-			
SCALE	As indicated	DATE	JAN 25	DRAWING No.
BMW PROJ No.	-	BMW FILE No.	-	SK2 1



## Certificate of design compliance

*Building Act 2011, section 19*  
*Building Regulations 2012, regulation 4, 18A, 18B, 18C*

PERMIT AUTHORITY  
USE ONLY

BUILDING SURVEYING  
USE ONLY

Reference number

Reference number  
**AW 12336**

### 1. Property this certificate relates to

Property street address (provide lot number where street number is not known)	Unit no N/A	Street no 38	Level N/A	Lot no 2788
	Street name Weld		Street type Street	Street suffix N/A
	Suburb Broome		State WA	Postcode 6725
Local government area	Shire of Broome			
Main BCA class of the building	9b			
Use(s) of the building Description of the building(s) and building work	Secondary BCA class (for multi-purpose buildings)	N/A	Third BCA class (for multi-purpose buildings)	N/A
	Primary School		Each restriction on use (if applicable) N/A	
	Replacement of Steel Columns			

### 2. Applicable building standards

The edition of the Building Code applied in respect of this building or incidental structure

NCC BCA 2022 Volume One Amendment 1

Any declaration under section 39 of the *Building Act 2011* made in respect of this building or incidental structure

N/A

Bush fire prone areas (only required for the types of buildings or incidental structures stated below)

In respect of a Class 1, Class 2 or Class 3 building, a Class 9 vulnerable use building, or a Class 10a building or deck that is located less than six (6) metres from the Class 1, Class 2 or Class 3 building or Class 9 vulnerable use building:

Is the building or deck located in a bush fire prone area? ☒ Yes ☐ No (if no, continue to part 3)

Does a bush fire performance requirement apply to the building or deck?

☐ Yes. The Bushfire Attack Level (BAL) or other measure is: \_\_\_\_\_

☒ No. Does not apply because of: Building reg 31BA (1A)(b) \_\_\_\_\_

(See regulations 15D, 31BA(1) and 31D of the Building Regulations 2012 which affect the application of bush fire performance requirements to buildings and decks)

### 3. Plans, specifications and other documents

Plans and specifications specified in accordance with section 19(3) of the *Building Act 2011*

Drawing numbers

**Site Plan:**

Documents 1 to 3 Dated 14/05/2025 Stamped by Allwest Building Approvals

**Elevations, Sections & Construction Details:**

Refer to engineering

Specifications

Government of Western Australia Department of Finance: Request No: FINW0135125 Front Page Stamped by Allwest Building Approvals

Refer to engineering

Technical documents

**Structural Engineering:**

Colliers:

Letter 25-012: Dated 19 May 2025 Broome Primary School – Block D Stamped by Allwest Building Approvals

D Block Dwg No: SK2 Rev: 1 Stamped by Allwest Building Approvals

Letter 25-012: Dated 19 May 2025 Broome Primary School –Covered Basketball Court Stamped by Allwest Building Approvals

Covered Basketball Court Dwg No: SK2 Rev :1 Stamped by Allwest Building Approvals

Covered Basketball Court Dwg No: SK3 Rev :1 Stamped by Allwest Building Approvals

Letter 25-012: Dated 19 May 2025 Broome Primary School – Pre Primary Block Stamped by Allwest Building Approvals

Pre Primary Block Dwg No: SK2 Rev: 1 Stamped by Allwest Building Approvals

**Energy:**

N/A

**Bushfire:**

N/A

#### 4. Other prescribed requirements

Details of any advice given by the FES Commissioner in respect of the plans and specifications (Class 2 to Class 9 buildings only)

N/A exemption under Building Regs 18B(3)

Details of any notification given to the FES Commissioner under regulation 15A(1) of the Building Regulations 2012 (Class 2 to Class 9 buildings only)

N/A

Details of each performance solution and the assessment methods used as required under regulation 18A of the Building Regulations 2012 for:

- Class 2 to Class 9 buildings; or
- the bush fire performance requirement for Class 1 buildings in bush fire prone areas.

N/A

#### 5. Inspections and tests

List the applicable inspections and tests prescribed under section 36(2)(a) of the *Building Act 2011* (i.e. as prescribed in regulation 27 and Schedule 3 of the Building Regulations 2012)

N/A



## 6. Declaration

1. This building or incidental structure, if completed in accordance with the plans, specifications and technical documents specified in part 3 of this certificate, will comply with each applicable building standard.
2. I have applied the edition of the Building Code specified in part 2 of this certificate in respect of the building or incidental structure.
3. A declaration under section 39 of the *Building Act 2011* that a building standard does not apply or is modified in a way as specified in part 2 of this certificate in respect to this building or incidental structure ☐ has been made or ☒ has not been made.
4. Each performance solution that is relied upon to establish compliance with a building standard is shown on the plans and specifications specified in part 3 of this certificate. Where required, I have made the necessary statements in part 4 of this certificate.
5. Where required by the Building Regulations 2012, plans and specifications provided in sufficient detail to allow assessment of compliance with the FES Commissioner's operational requirements were provided to the FES Commissioner at least 15 business days prior to the date of this certificate.
6. Details of any advice given by the FES Commissioner in respect of the plans and specifications are set out in part 4 of this certificate.
7. I have notified the FES Commissioner of the details of any part of the FES Commissioner's advice that is not incorporated in the plans and specifications specified in part 3 of this certificate and the reasons for not incorporating that advice and details of this notification are set out in part 4 of this certificate.
8. Where this certificate relates to a Class 1, Class 2 or Class 3 building, a Class 9 vulnerable use building or a Class 10a building or deck that is located less than six (6) metres from the Class 1, Class 2 or Class 3 building or Class 9 vulnerable use building, I have made the required statements in part 2 of this certificate in respect to bush fire prone areas.
9. I am an independent building surveyor as defined in section 4 of the *Building Act 2011*.

### Building surveying practitioner's name

Paul Finucane

Street address  
(provide lot number where street number is not known)

Unit no	Street no 9b	Level	Lot no 2
Street name Harnett		Street type Street	Street suffix
Suburb Broadwater		State WA	Postcode 6280
		Country (if not Australia)	

OR

PO Box address

PO Box no			
Suburb	State	Postcode	Country (if not Australia)

Email address

paulf@allwestbuildingapprovals.com

Phone/fax

Phone no  
0427949635

Fax

Registration details

Registration number  
BSP179

Level

Building surveying practitioner's signature



Date  
19 May 2025

## 7. Certificate issued by

**Building surveying  
contractor / public  
authority's name**

**All West Building Approvals Pty Ltd**

**Street address**  
(provide lot number  
where street number  
is not known)

Unit no	Street no 9b	Level	Lot no 2
Street name Harnett		Street type Street	Street suffix
Suburb Broadwater		State WA	Postcode 6280
Country (if not Australia)			

**OR**

**PO Box address**

PO Box no			
Suburb	State	Postcode	Country (if not Australia)

**Email address**

paulf@allwestbuildingapprovals.com


**Phone/fax**

Phone no 0427949635	Fax
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**Registration details  
(contractors only)**

Registration number BSC2	Level 1
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**Building surveying  
contractor/public  
authority officer's  
signature**

Name (print) Paul Finucane	
Signature 	Date 19 May 2025