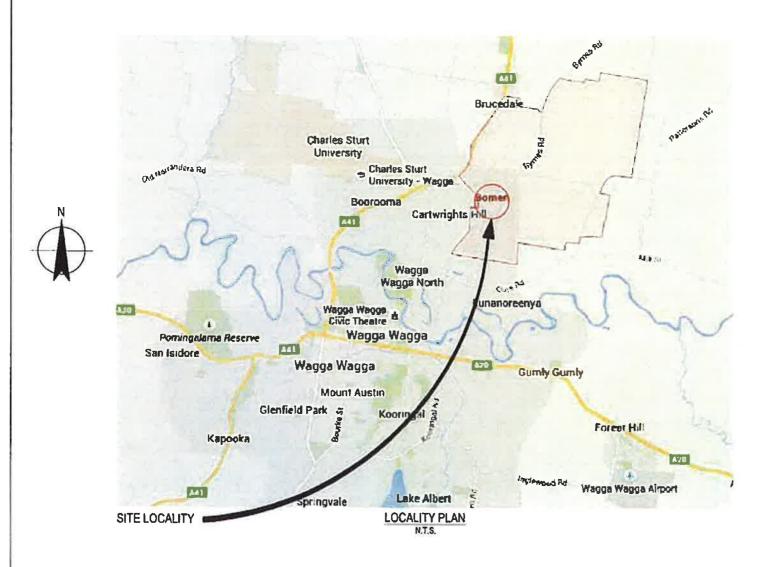


# TEYS AUSTRALIA WAGGA WAGGA BOMEN NSW PLANT NEW CATTLE YARDS 23 - 15492 Issued under the Environmenta



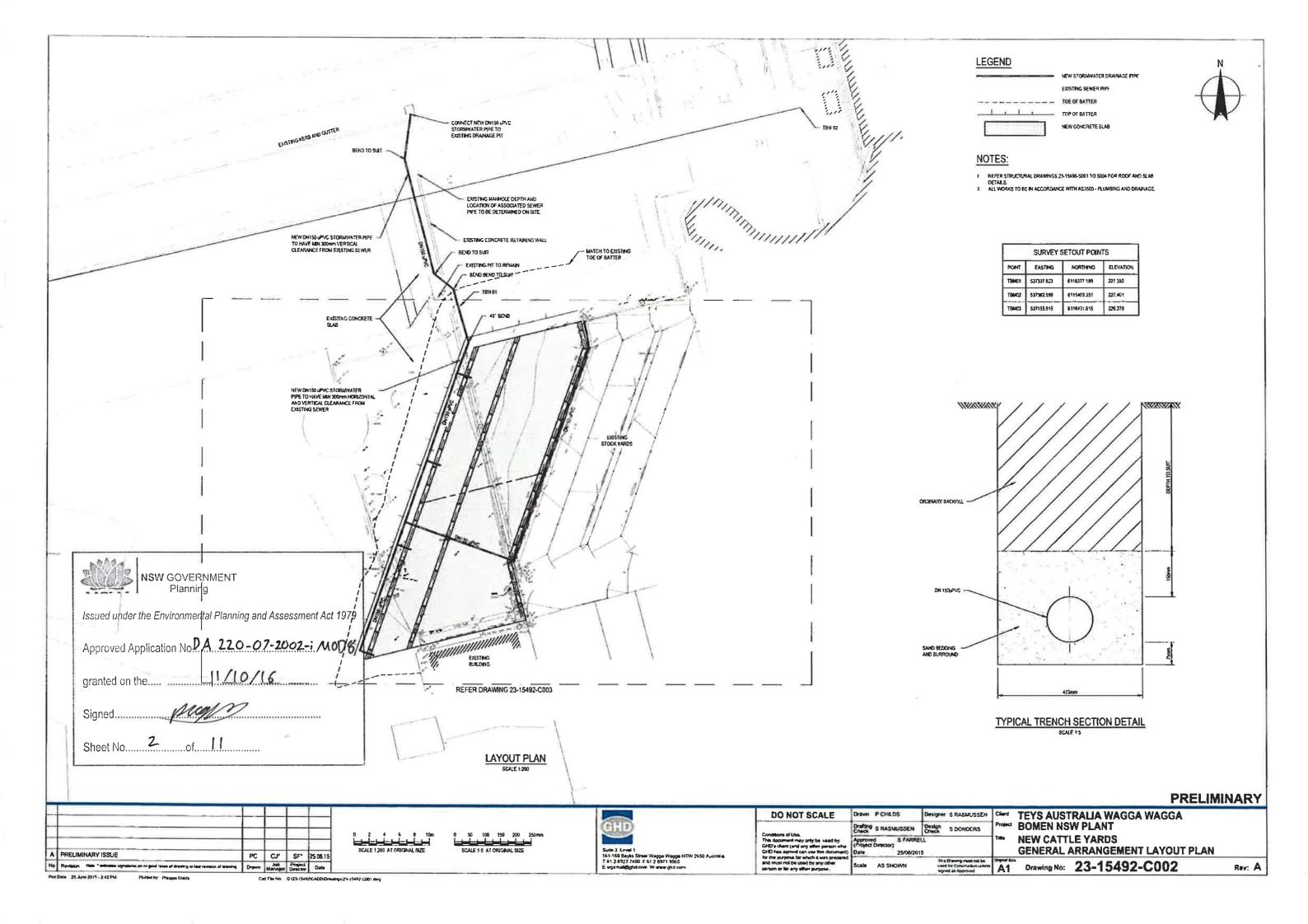


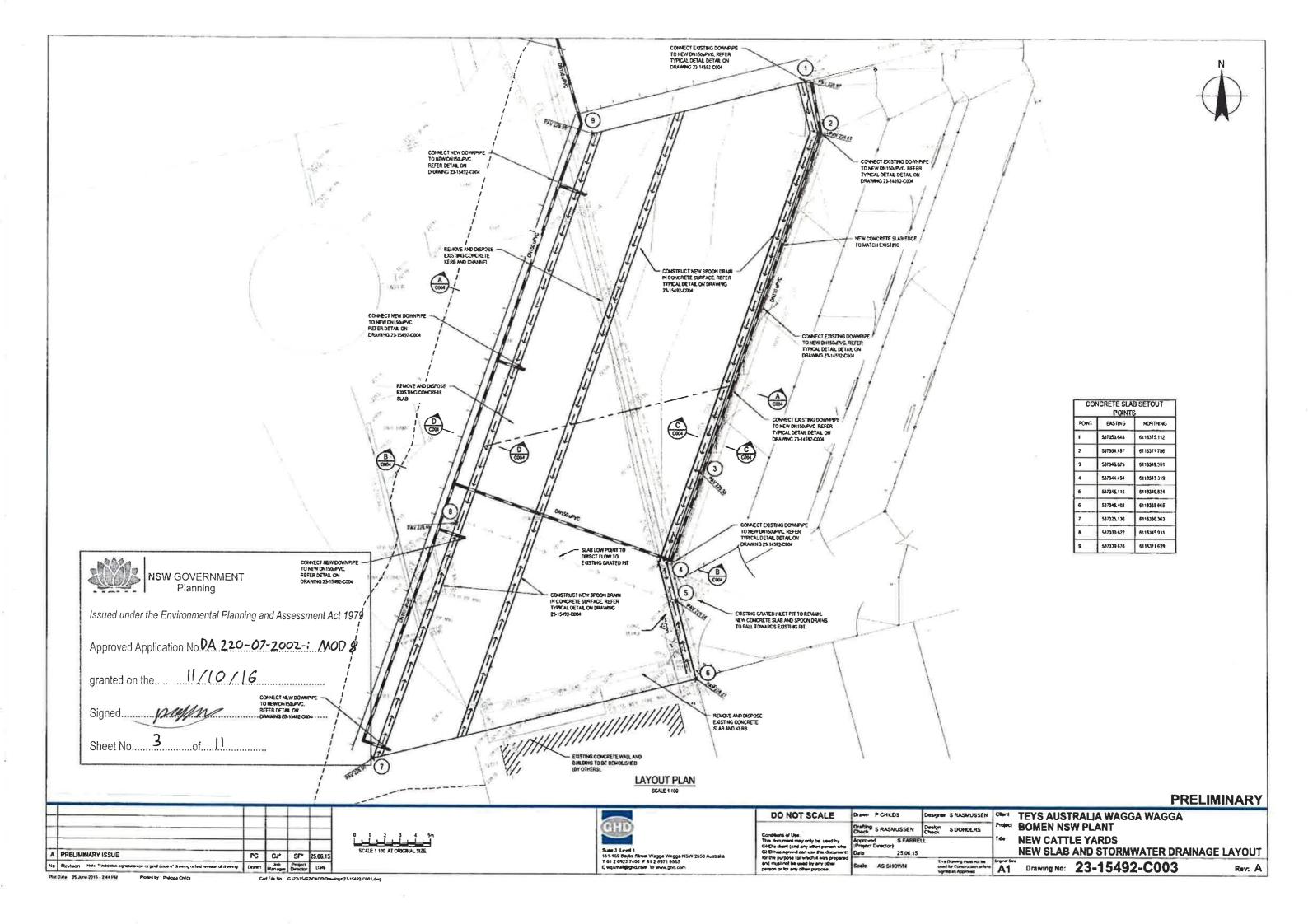
## DRAWING LIST

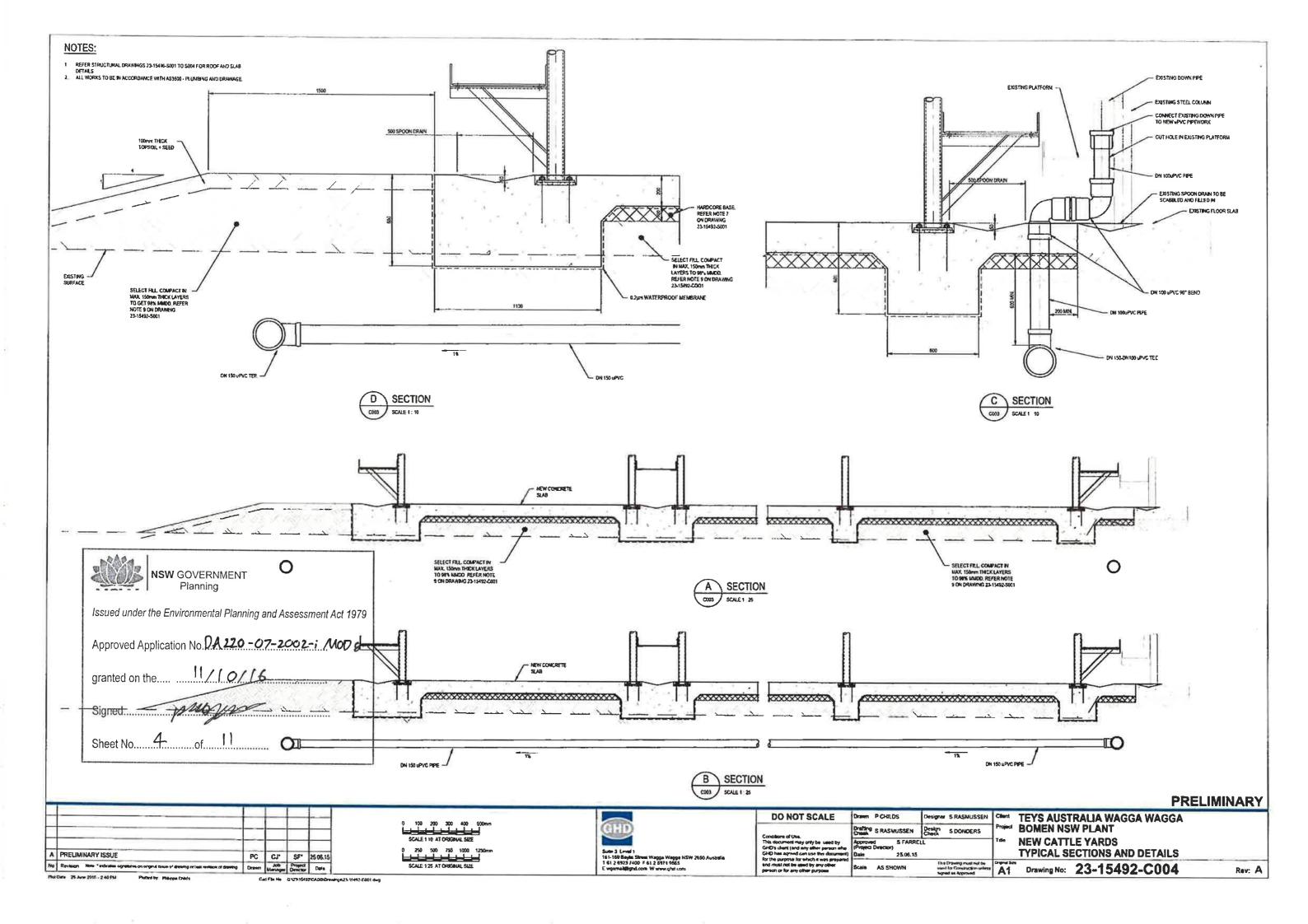
DRG No.	DRAWING TITLE
23-15492-C001	LOCALITY PLANT
23-15492-C002	GENERAL ARRANGEMENT LAYOUT PLAN
23-15492-C003	NEW SLAB AND STORMWATER DRAINAGE LAYOU
23-15492-C004	TYPICAL SECTIONS AND DETAILS
23-15492-\$001	GENERAL NOTES
23-15492-S002	CONCRETE FLOOR SLAB PLAN
23-15492-\$003	ROOF STEELWORK PLAN + LIGHTING LAYOUT
23-15492-\$004	STEELWORK ELEVATIONS
23-15492-\$005	CONCRETE FLOOR SLAB DETAILS
23-15492-\$006	ROOF STEELWORK DETAILS

# **PRELIMINARY**

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	CID	Condition of the	Check S RASMUSSEN	Design S DONDERS	Project BOMEN NSW PLANT	
		Conditions of Use. This document may only be used by GHD's client (and any other person who	Approved S FARRE	il.	164 NEW CATTLE YARDS	
A PRELIMINARY ISSUE PC CJ' SF' 25.06.15	Sufer J. Level 1 161-169 Bayles Street Wagga Wagga NSW 2650 Australia	GHO has agreed can use this document) for the purposal for which it was prepared	Date 25/06/20		LOCALITY PLAN AND DRAWING LIST	
No Revision Nam * indexten signature on original sease of drawing or last revision of drawing Drawin	T 61 2 6921 7400 F 61 2 6971 9565 E wgama <b>lifiy</b> nd nom W www.ghd cenn	and must not be used by any other person of for shy other purpose	Scale AS SHOWN	This Brawing must but but land for Construction unless aigned as Approved.	A1 Drawing No: 23-15492-C001	Rev: 🖊
Piol Date 25 June 2015 - 2 41 PW Plotted by Philogos Childs Cad File No. GUTh/S402/CADD/Dresservic/X-15402 C001 date						







GENERAL

1 ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT

- S.A.A. CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES.
  SETTING-OUT DIMENSIONS AND SIZES OF STRUCTURAL MEMBERS NOT TO BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS ANY SETTING OUT DIMENSIONS SHOWN IN THE STRUCTURAL DRAWINGS TO BE CHECKED BY THE CONTRACTOR BEFORE CONSTRUCTION COMMENCES.
- REFER ANY DISCREPANCY TO THE DESIGNER BEFORE PROCEEDING WITH THE WORK.
  DURING CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE STRUCTURE IS MUNITAINED IN A SAFE AND STABLE CONDITION AND NO PART IS OVERSTRESSED.

  TEMPORARY BRACING TO BE PROVIDED BY THE CONTRACTOR AS REQUIRED TO KEEP THE WORKS
  AND EXCAVATIONS STABLE AT ALL TIMES.
- UNLESS HOTEO OTHERWASE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
  THE STRUCTURAL COMPONENTS DETAILED ON THESE DRAWINGS HAVE BEEN DESIGNED IN
  ACCORDANCE WITH THE RELEVANT S.A.A. CODES AND BUILDING CODE OF AUSTRALIA FOR
- THE FOLLOWING LOADINGS -

ELEMENT	LIVE LOAD (kPa
CONCRETÉ FLOOR SLAB	5.0
NON TRAFFICABLE ROOF	0.25
WALKWAYS	2.5

WIND LOADING HAS BEEN DETERMINED IN ACCORDANCE WITH AS 1170.2 BASED UPON A BASIC WIND VELOCITY OF 46m/s (VR) AND TERRAIN CATEGORY 1.

EARTHQUAKE LOADING HAS BEEN DETERMINED IN ACCORDANCE WITH AS 1170.4

ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT COCES OF PRACTICE EXCEPT WHERE VARIED BY THE SPECIFICATION AND/OR DRAWINGS.
AS 3600 CONCRETE STRUCTURES CODE
AS 4871 STEEL REINFORCING MATERIALS

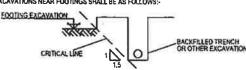
AS 4100 STEEL STRUCTURES CODE AS 1163 STRUCTURAL STEEL HOLLOW SECTIONS

AS 1554 (PART 1.) WELDING OF STEEL STRUCTURES
AS 1720.1 TRABER ENGINEERING CODE
AS 1229 METHODS OF TESTING SOILS FOR ENGINEERING PURPOSES

AS 1700 MASONRY CODE
AS 1798 GUIDELINES FOR EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS
AS 3610 FORMWORK FOR CONGRETE

- FOUNDATIONS

  1 FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING INTENSITY OF .100, MPa.
  FOUNDATION MATERIAL TO BE APPROVED FOR THIS PRESSURE BY THE CONTRACTOR INDEPENDENT GEOTECHNICAL ENGINEER BEFORE REINFORCEMENT AND OR CONCRETE ARE PLACED FOOTINGS TO BE LOCATED CENTRALLY UNDER WALLS AND COLUMNS UNID
- RETAINING WALLS (OTHER THAN CANTILEVER WALLS) NOT TO BE BACKFILLED UNTIL FLOOR CONSTRUCTION AT TOP AND BOTTOM IS COMPLETED, ENSURE FREE DRAINING BACKFIL IS USED. AND DRAINAGE IS IN PLACE. CANTILEVER WALLS TO BE BACKFILLED ONLY AFTER MINNAUM CONCRETE STRENGTH IS ACHIEVED
- BLINDING CONCRETE TO BE PLACED ON THE SAME DAY AS THE FINAL EXCAVATION TO THE FOUNDATION DESIGN LEVEL.
- FOOTING LEVELS, WHERE SHOWN, ARE ESTIMATES ONLY AND WILL BE ESTABLISHED DURING
- UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT/ENGINEER THE LIMITATIONS OF EXCAVATIONS NEAR FOOTINGS SHALL BE AS FOLLOWS:



7. SUB GRADE AND SUB BASE FOR SLABS ON GROUND SHALL COMPLY WITH THE FOLLOWING:



STATE SHALL BE APPROVED WELL GRADED NATURAL GRAVEL OR CRUSHED ROCK (MAX. SEE 40mm) SPREAD AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY DETERMINED BY TEST AS 1289 E.2.10 R. 60% MANNAM DENSITY NOESFOR FOR CONSESSION ESS SOILS.

ALL FREE DRAINING GRANDLAR FILL MATERIAL BEHIND RETAINING WALLS SHALL BE OF STRONG DURABLE PARTICLES CONFORMING TO THE FOLLOWING GRADINGS:

AS SIEVE SIZE % PASSING

75µm
<15
WHERE SELECT FILL IS SHOWN ON THE DRAWINGS, FILL SHALL COMPLY WITH THE FOLLOWING1 REMOVE TOPSOIL (F ANY) AND EXISTING FILL
2 COMPACT SURFACE TO 95% MINDO
3 PLACE FILL IN MAX. 130 PHICK LAVERS, EACH LAVER COMPACTED TO 98% MINDD
4 FILL TO COMPLY WITH-MAX. PARTICLE SIZE 75mm
-PERCENT AGE PASSING 0.075mm SIEVE 25% MAX.
-PLASTICITY INDEX NOT GREATER THAN 15% AND NOT LESS THAN 2%
-MINIMUM SOAKED CBR TO BE 15%</p>

No. Revision. Note \* indicates agratume on original issue of drewing or last revision of drawn

CONCRETE

1. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH A.S.3600 AND THE CONCRETE SPECIFICATION

ELEMENT	SLUMP	MAX, SIZE AGGREGATE	CEMENT	CONCRETE GRADE
FLOOR SLAB & BEAMS	80	20	GP	32 MPa
MASS CONCRETE	80	20	GP	15 MPa

MIN, CEMENT CONTENT = 270 g/m² MAX, W/C RATIO = 05

PROJECT CONTROL TESTING TO BE CARRIED OUT IN ACCORDANCE WITH A \$,3600.

NO ADMOXTURES TO BE USED IN CONCRETE UNLESS APPROVED IN WRITING. CONCRETE DIMENSIONS SHOWN DO NOT WICLUDE THICKNESSES OF APPLIED FINISHES.

DEPTHS OF BEAMS ARE CAVEN FIRST AND INCLUDE SLAB THICKNESS U.N.O.
ALL EXPOSED EDGES AND CORNERS TO BE PROVIDED WITH 257mm FILLETS OR CHAMFERS.
MAINTAIN COVER TO REINFORCEMENT AT THESE DETAILS UNLESS OTHERWISE INDICATED. NO HOLES CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL

DRAWINGS TO BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE CONSTRUCTION JOINTS WHERE NOT SHOWN TO BE LOCATED TO THE APPROVAL OF THE AUTHORISED PERSON. DETAILS OF CONSTRUCTION JOINTS TO BE SUBMITTED TO THE

AUTHORISED PERSON FOR APPROVAL THE FINISHED CONCRETE TO BE A DENSE HOWOGENEOUS WASS COMPLETELY FILLING THE FORMWORK THOROUGHLY EVBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS, ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS. TO BE COMPACTED WITH MECHANICAL VIBRATORS.

CURING OF ALL CONCRETE TO BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF 3 DAYS AND PREVENTION OF LOSS OF MOISTURE FOR A TOTAL OF 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT. APPROVED SPRAYED OR CURING COMPOUNDS MAY BE USED WHERE COMPATIBLE WITH FLOOR FINISHES. POLYTHENE SHEETING OR WET HESSIAN MAY BE USED IF PROTECTED FROM WIND AND TRAFFIC.

CONSTRUCTION SUPPORT PROPPING TO BE LEFT IN PLACE WHERE NEEDED TO AVOID OVERSTRESSING THE STRUCTURE DUE TO CONSTRUCTION LOADING

CONDUITS, PIPES ETC. ONLY TO BE LOCATED AS SHOWN IN THE DRAWINGS OR AS APPROVED

BY THE AUTHORISED PERSON.
ALL FORMWORK AND PROPPING UNDER SUSPENDED CONCRETE WORKS SHALL BE REMOVED BEFORE

ANY MASONRY WORK IS BUILT ABOVE
CAUSERS UNLESS NOTED OTHERWISE ON THE DRAWINGS AND EXCEPT FOR PRESTRESSED WORK SHALL BE PROVIDED IN BEAMS AND SLABS AS FOLLOWS.

A CANTILEVERS - 0,004 + CANTILEVER LENGTH

II JUANTILEYERS - 0.004 I CANTLEVER LENGTH

CAMBERS SHALL BE CHECKED BEFORE AND AFTER DEPROPPING TO DETERMINE THE DEFLECTION OF THE MEMBERS INDICE THERE SELF WEEGHT, PROVISION SHALL BE MADE IN THE FOREMORE SYSTEM FOR THE STRUCTURAL ENGINEER TO VARY THE SPECIFIED CAMBERS ON THE BASS OF THIS INFORMATION, THE TOP SURFACE OF A CAMBERED MEMBER SHALL BE FINISHED TO MAINTAIN THE SPECIFIED DEPTH OF THE MEMBER.

SPENIALDE MADE MADE STANDAGE STRAIN MEASURED IN ACCORDANCE WITH AS 1012 PART 13 SHALL NOT EXCED BSD x 10 <sup>8</sup>AT 8 WEEKS, UNDERTAKE TESTING RE SHRINKAGE BARS, TO DEMONSTRATE COMPLIANCE WITH THIS REQUIREMENT FOR ALL SUSPENDED CONCRETE ELEVENTS.

BACKPROPPING FOR FORMWORK TO BE DESIGNED IN ACCORDANCE WITH AS 3810 AND CERTIFIED BY ENGINEER ENGAGED BY THE SUBCONTRACTOR.

THE STRUCTURAL DESIGN FOR SUSPENDED STRUCTURES ASSUMES.

1. A MAXIMUM COMBINED VERTICAL DEFLECTION OF FORMWORK AND PROPS OF 2mm UNDER THE WEIGHT.

OF CONCRETE, REINFORCEMENT AND CONSTRUCTION USE LOAD.

2. REMOVAL OF FORWYORK AND PROPS SHALL COMPLY WITH CLAUSE 19.6.2 OF AS3600

# **FORMWORK**

THE DESIGN, CERTIFICATION, CONSTRUCTION AND PERFORMANCE OF THE FORMAYORK AND FALSEWORK IS THE RESPONSIBILITY OF THE SUBCONTRACTOR. DESIGN AND CONSTRUCTION OF FORMWORK TO BE

REINFORCEMENT

1. CLEAR CONCRETE COVER TO ALL REINFORCEMENT TO BE AS FOLLOWS UNLESS SHOWN OTHERWISE,

ELEMENT	COVERIMM: NOT EXPOSED TO WEATHER	COVER(mm) EXPOSED TO WEATHER
FLOOR \$LAB	30	30
FOOTING BEAMS	50	50

ALL REINFORCEMENT TO BE FIRMLY SUPPORTED NOT GREATER THAN 1m CENTRES BOTH WAYS UNLESS NOTED OTHERWISE. BARS TO BE TIED AT ALTERNATE INTERSECTIONS. REINFORCEMENT SYMBOLS

DENOTES GRADE 500 DEFORMED BARS TO A.S.4671

 DENOTES GRADE 400 Y BARS TO A.S 1302 GRADE Y (TEMPCORE)
 DENOTES GRADE 250 R HOT ROLLED PLAN BARS TO A.S 1302
 DENOTES FABRIC TO AS 4611 (GRADE 500)
 DENOTES GRADE 450 F HARD DRAWN WIRE REINFORCING FABRIC TO A.S 1334. DENOTES GRADE 450 W HARD-DRAWN PLAIN WIRE TO A.S.1303.

17N20-250 means:-17 - (MIMBER OF BARS IN GROUP! N - (BAR GRADE AND TYPE)

(MONINAL BAR SIZE IN mm)

- (SPACING IN mm)

THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO A.S. 1304.
REINFORCEMENT BARS TO BE LAID IN LAYERS TAGGED ON PLANS AS FOLLOWS.

DENOTES BARS LAID IN BOTTOM LAYER FIRST,
 DENOTES BARS LAID IN BOTTOM LAYER SECONO.

- DENOTES BARS LAID IN TOP LAYER FIRST - DENOTES BARS LAID IN TOP LAYER LAST,

REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION. SPLICES IN REINFORCEMENT TO BE MADE ONLY IN POSITION SHOWN OR OTHERWISE APPROVED IN WRITING BY THE SUPERINTENDENT/DESIGNER, HOOKS, LAPS, SPLICES AND BENOS TO BE IN ACCORDANCE WITH AS 3600.

LAPS TO BE NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR SHOWN BELOW U.N.O.

BAR SIZE (mm)	SPLICE LENGTH (79Th)
N12	475
N16	625
N20	800
N24	950
N28	1250
N32	1575

WELDING OF REINFORCEMENT NOT TO BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE DESIGNER.

JOGGLES TO BARS TO BE 1 BAR DUAMETER OVER A LENGTH OF 12 BAR DUAMETERS U.A.Q. FABRIC TO BE LAPPED 2 TRANSVERSE WIRES PLUS 50mm. GLANDLED BARS TO BE TIED TOGETHER

AT 30 BAR DUAMETER CENTRES WITH 3 WRAPS OF THE WIRE.

AT PENETRATIONS IN SLABS UNLESS OTHERWISE DETAILED REINFORCEMENT, NOT TO BE CUT BUT

12. NOTIFY AND PROVIDE ACCESS TO THE ELECTRICAL SUBCONTRACTOR TO CONNECT EARTHING

TO BE GATHERED EQUALLY TO EACH SIDE OF PENETRATION AND EXTRA REINFORCEMENT PROVIDED BETWEEN THE PENETRATIONS AS DIRECTED BY THE SUPERNITEMONANT.

11. DISTRIBUTION BARS TO MAIN REINFORCEMENT IN SLABS SHALL BE NIZ AT 300cm. U.N.O.

STRUCTURAL STEEL

1. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH A S.4100 AND A.S.1554.

2. UNLESS OTHERWISE NOTED, ALL STEEL TO BE GRADE 300 TO A S3579 (HOLLOW SECTIONS TO BE GRADE C350 TO AS1631 (GRADE G450 TO AS1397 FOR PURLINS & GRTS).
(GRADE 250 TO AS3678 FOR PLATES)

(GRADE 250 TO AS3678 FOR PLATES)
ALL CONNECTION AND STIFFENER PLATES TO BE 10mm THICK U.N.O.
ALL WELDS TO BE 6mm CONTINUOUS FILLET WELDS U.N.O.
ALL WELDING TO BE 5P U.N.O. FROM E48XX(ELECTRODES)W50X(WRE)
ALL BUTT WELDS TO BE FULL (COMPLETE) PENETRATION
ALL FILLET WELDS TO BE FULL (COMPLETE) PENETRATION
ALL BUTTS TO BE MZ0 AND IND CONNECTION TO HAVE LESS THAN 2 BOLTS U.N.O.
ALL BOLTS TO BE MZ0 AND IND CONNECTION TO HAVE LESS THAN 2 BOLTS U.N.O.
ALL BOLTS TO BE MC0 AND IND CONNECTION TO HAVE LESS THAN 2 BOLTS U.N.O.
PURBLY CONNECTIONS TO BE AS PER MANUFACTURERS. SPECIFICATION U.N.O.
ALL HOLDING DOWN BOLTS TO BE HOT DIP GALVANISED GRADE 8.B.S.U.N.O.
U.N.O. IN THE SPECIFICATION STRUCTURAL STEEL WHICH IS PROTECTED FROM WEATHER TO BE ARRASIVE BLAST CLEANED TO CLASS 2.5 TO S. 16274, TO BE PRAYED BY INTERTINC TO RAPPROVED EQUIVALENT TO SLASS 2.5 TO S. 16274, TO BE PRAYED BY INTERTINC TO RAPPROVED EQUIVALENT TO SLASS U.N.O. ON THE DRAWMINGS. REFER TO ARCHITECTURAL DETAILS FOR TOP COATS DETAILS FOR TOP COATS

SHOP DRAWINGS TO BE SUBMITTED IN TRIPLICATE TO THE DESIGNER FOR

APPROVAL FABRICATION NOT TO COMMENCE UNTIL APPROVAL HAS BEEN GIVEN,

10. EXAMINATION OF WELDS TO BE (INSPECTION AND TEST RECORDS TO BE SUBMITTED TO THE

VISUAL SCANNING TO AS1554 ISECTION 7 ON 100% OF WELDS:

VISUAL EXAMINATION TO A.S. 1554,1 SECTION 7 ON 10% OF GP WELDS AND 20%

OF SP WELDS

MAGNETIC PARTICLE EXAMINATION TO BE PERFORMED ON 1% OF GP WELDS AND 5% OF SP WELDS AND AS NOTED ON THE DRAWINGS,

ULTRASONIC TESTING TO BE PERFORMED ON 2.5% FILLET WELDS AND 10% OF B., TT WELDS AND AS NOTED ON THE DRAWINGS, IF EXAMINATION REVEALS SUBSTANDARD WELDS FURTHER EXAMINATION AND/OR REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.

11. THE FABRICATION AND ERECTION OF THE STRUCTURAL STEELWORK TO BE SUPERVISED BY A

PERSON EXPERIENCED IN SUCH SUPERVISION TO ENSURE THAT ALL REQUIREMENTS OF THE DESIGN ARE MET. CERTIFICATE OF COMPLIANCE TO BE PRO-ADED TO THE AUTHORISED PERSON.

THE SUBCONTRACTOR TO PROVIDE ALL CLEATS AND DRILL ALL HOLE'S MECESSARY FOR FIXING STEEL ELEMENTS WHETHER OR NOT DETAILED ON THE DRAWINGS.

SUITABLE EQUIPMENT TO BE USED DURING LOADING TRANSPORT AND ERECTION OF STEELWORK TO AVOID DAMAGE TO THE STEELWORK FINISHES. STEELWORK STORED ON SITE TO BE PROTECTED.

AGAINST CORROSION OR DETERIORATION OF PAINTED SURFACES.

14. AFTER TIGHTENING EXPOSED FACES OF BOLTS, NUTS AND WASHERS SHALL BE PREPARED AND COATED AS SPECIFIED OR AS FOR ADJACENT STEELWORK.

THE ENDS OF ALL HOLLOW SECTIONS SHALL BE SEALED

16 ALL COLD FORMED SECTIONS TO CONFORM TO AS 1163 AND SHALL BE ROLL-FORMED FROM ZINC

ALL COLD FORMED SECTIONS TO CONFIDENT ON AS THE ANY SHALL BE ROLL FORMED FROM ANY COATED HIGH STEELS THE STEEL STREP BING HIGH STEEL MINIMUM PLED STRESS 450 MPa, 350 g/m² MANIMUM COATING MASS UNLESS OTHERWISE HOTED ON DRAWINGS.
ALL PURLINS GRITS AND BRIDGENGT TO BE LYSAGHT ON APPROVED EQUIVALENT.
ALL CASES OF DAMAGE TO THE PROTECTIVE COATING OF STEELWORK SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER, WITH THE DESIGNER'S APPROVAL, MINOR DAMAGE MAY BE REPAIRED AS SECULOME.

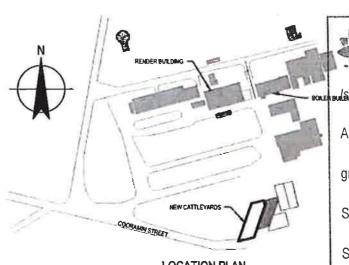
NECHANICALLY GRINO SURFACE TO ACHIEVE SMOOTH AND BRIGHT METAL COMPARABLE TO CLASS 2½.

APPLY ZINC RICH PRIMER TO A DRY FILM THICKNESS AS PER SPECIFICATION REQUIREMENTS.

ABBREVIATIONS
CFW - CONTINUOUS FILLET WELD
DFT - DRY FILM THICKNESS
FSBW - FULL PENETRATION BUTT WELD SP - GENERAL PURPOSE WELD
MADO - MAXIMUM MODIFIED DRY DENSITY
PPBW - PARTIAL PENETRATION BUTT WELD
SP - STRUCTURAL PURPOSE WELD

U.N.O. - UNLESS NOTED OTHERWISE THE LOCATION OF ALL EXISTING ELEMENTS SHALL BE SITE MEASURED PRIOR TO THE PREPARATION OF SHOP DRAWINGS.

20. ALL REACTIONS SHOWN ARE IN IN U.N.O. 21. THE SUBCONTRACTOR SHALL HAVE SAMPLE BOLTS TESTED TO DESTRUCTION IN ACCORDANCE WITH THE SPECIFICATION.





**NSW** GOVERNMENT Planning

courseled under the Environmental Planning and Assessment Act 1979

Approved Application No. DA 220-07-2002- MOD

LOCATION PLAN

Cered 7 16 Marcus Caropera ACT 2601 Australia GPO Box 1677 Cerberra ACT 2601 7 81 2 8113 3200 F 81 2 8113 3295 Telephonologic Wwww.ghd.o

DO NOT SCALE Drawn D.WILKINSON Designer S.REMEDIOS Drafting B.REMEDIOS\* Design R.THOMPSON SFARRE This document may only be used by GHD's client (and any other parson sho GHD has agreed can use this document for the purpose for which it was prepared 22.04.2015

**TEYS AUSTRALIA WAGGA WAGGA BOWEN NSW PLANT NEW CATTLE YARDS** 

**GENERAL NOTES** Drawing No: 23-15492-S001

Rev: 0

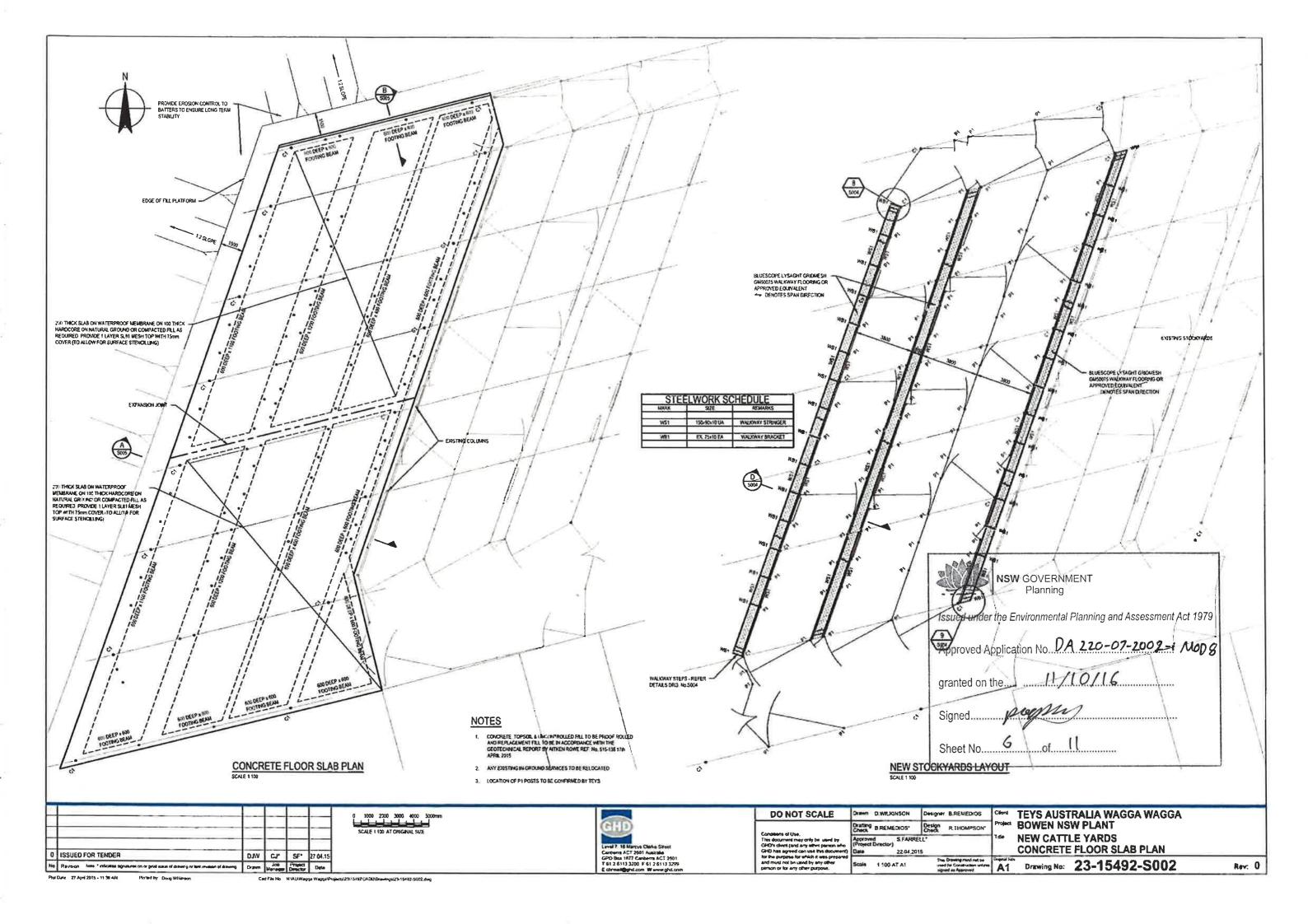
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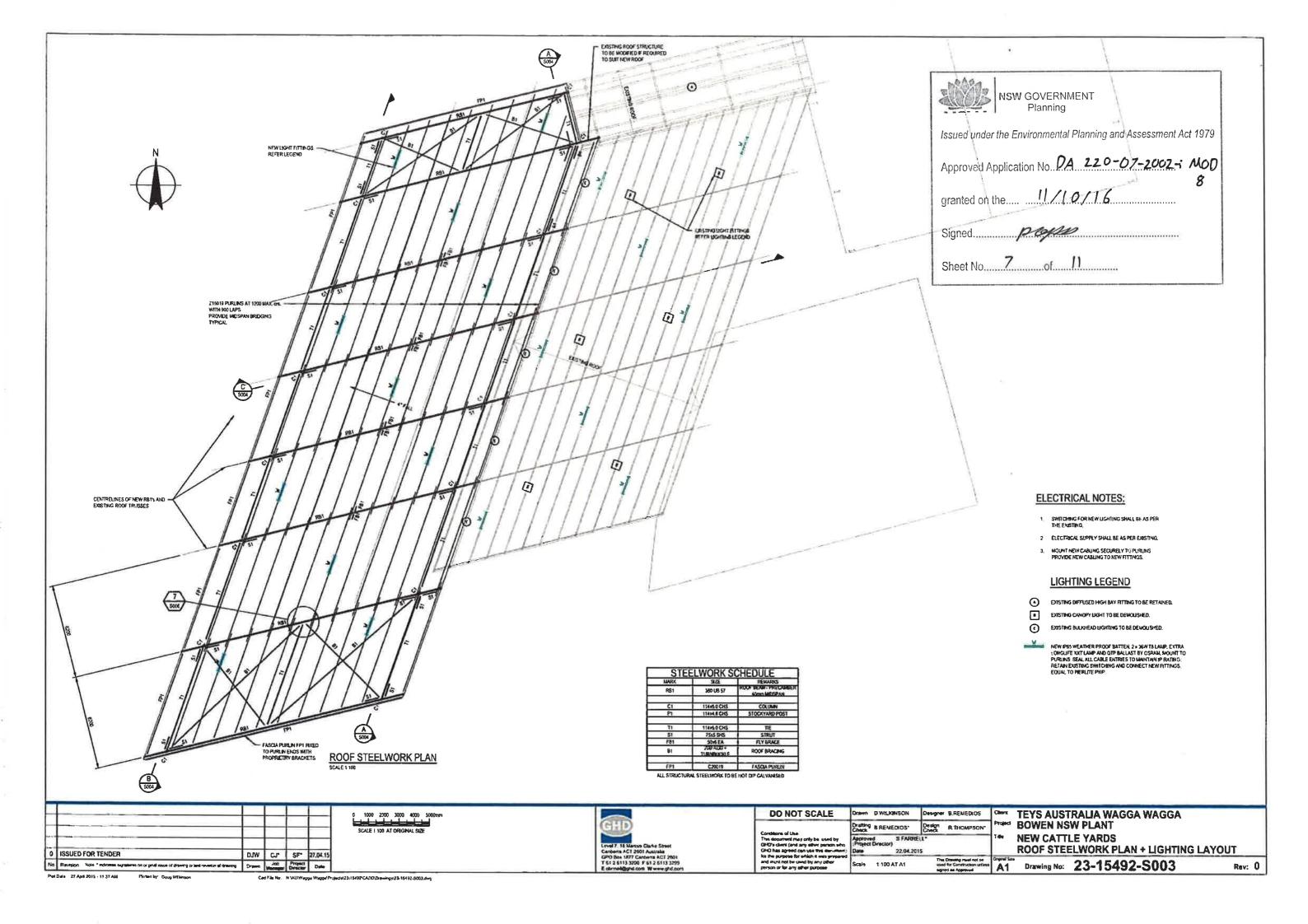
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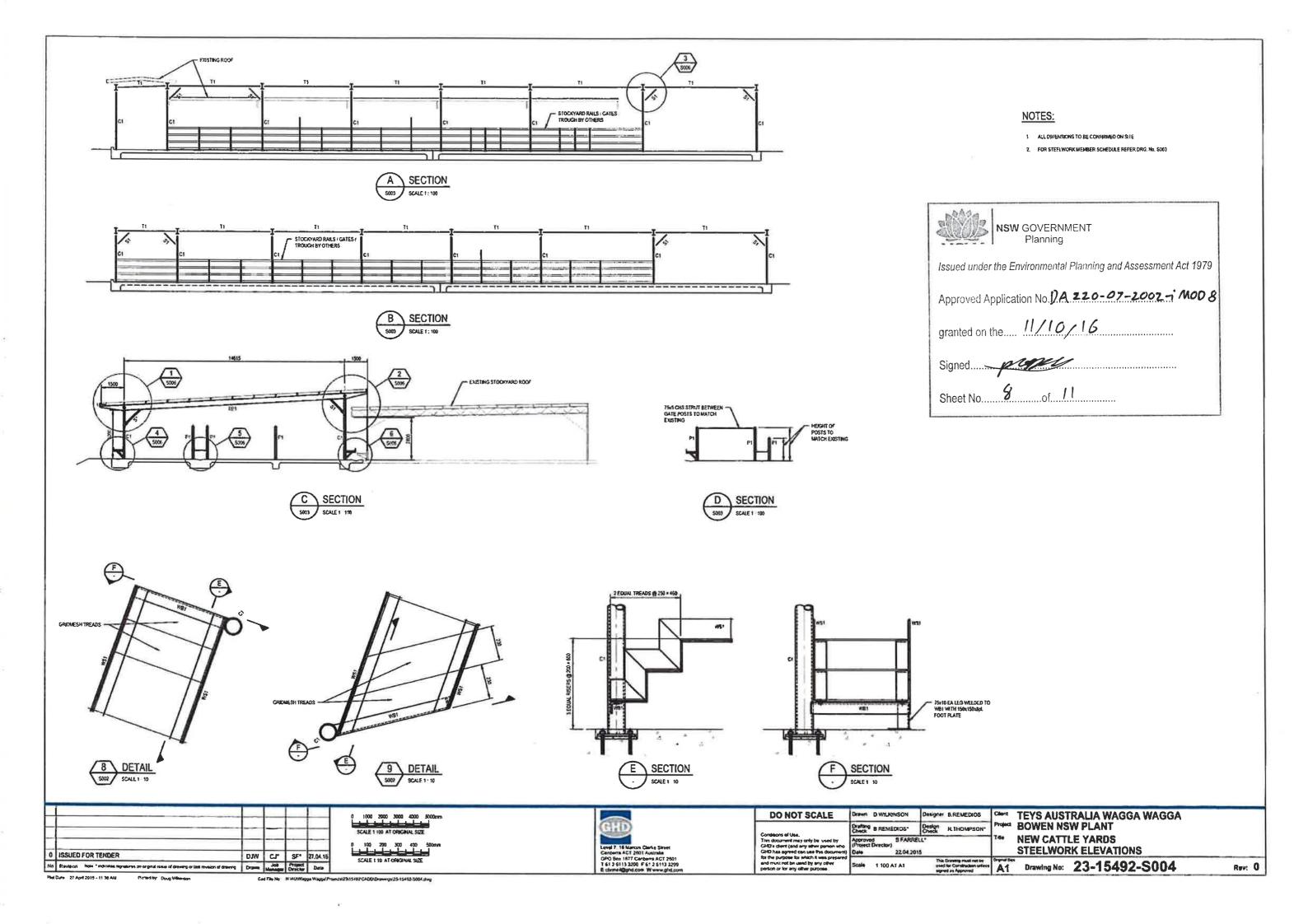
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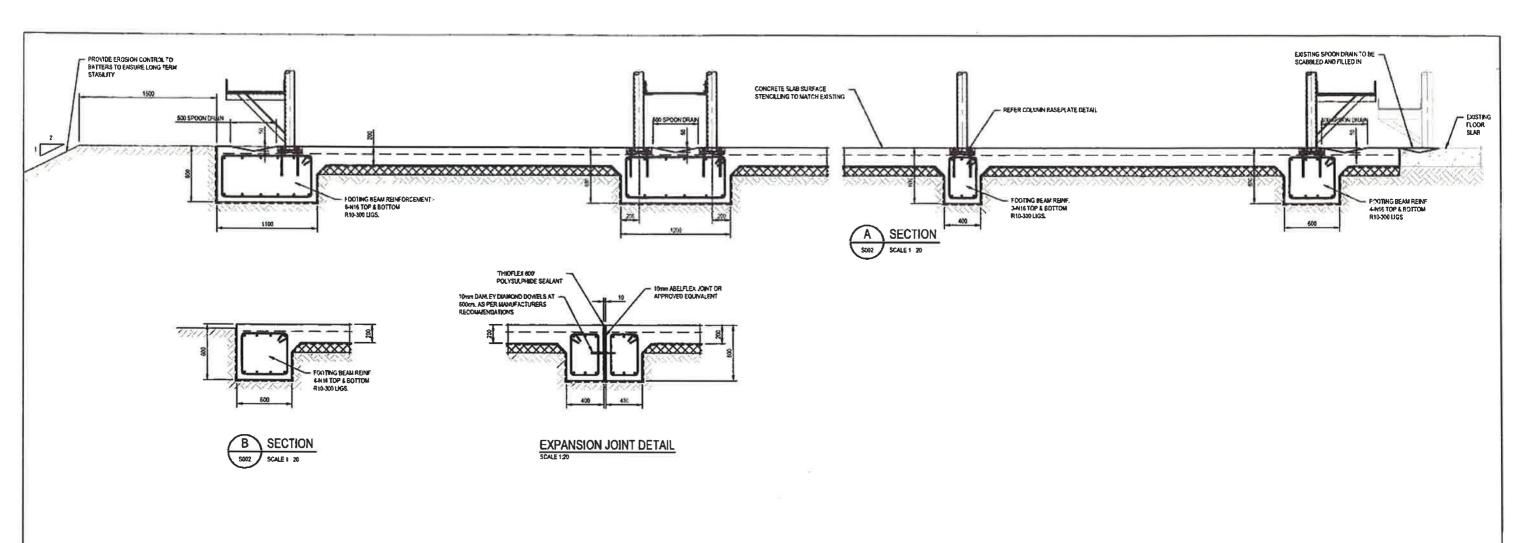
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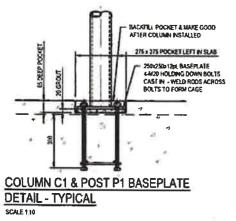
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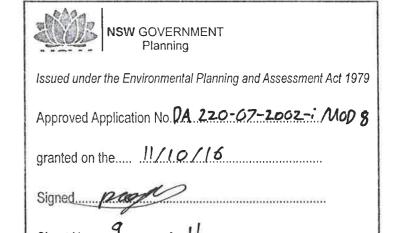




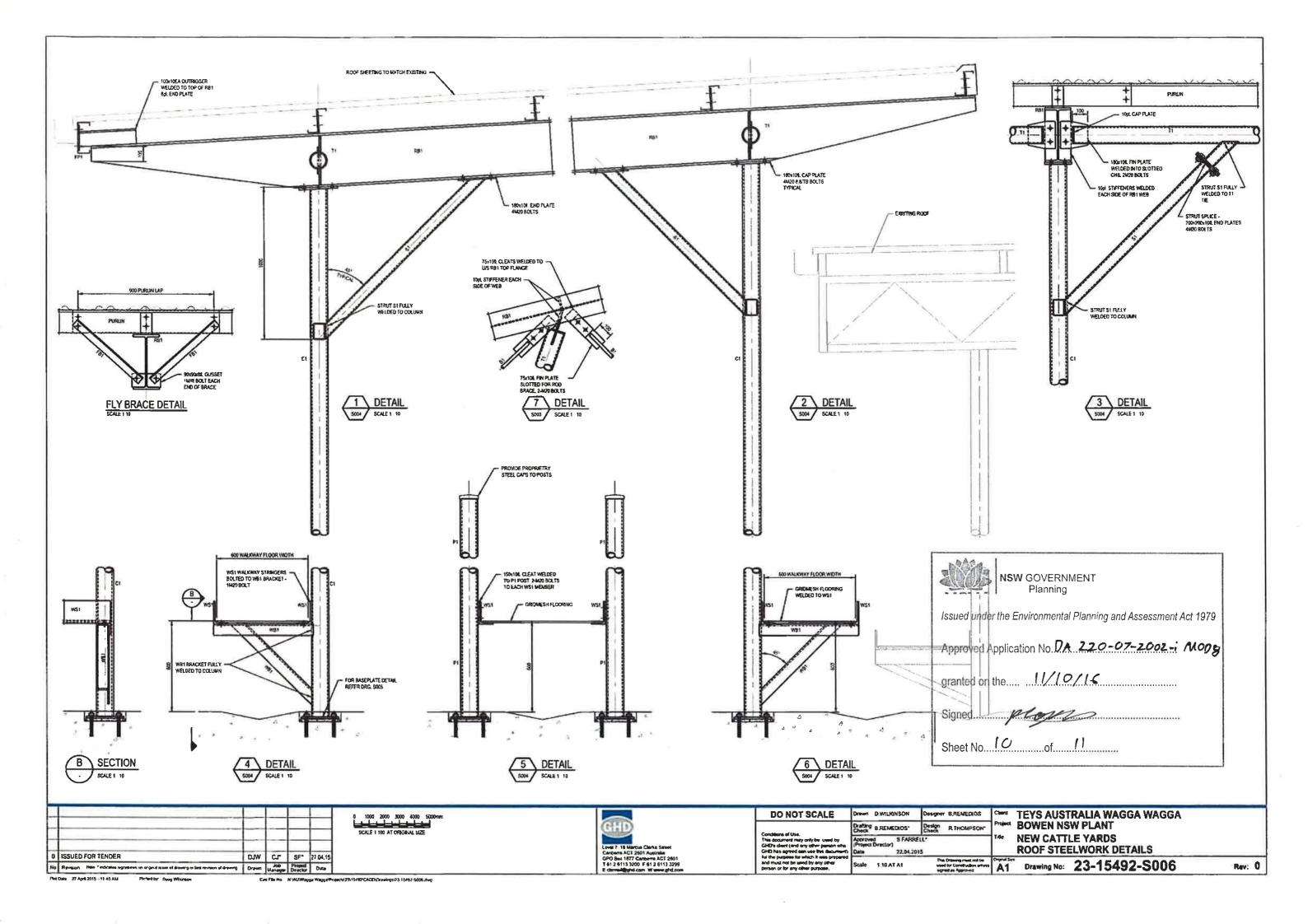


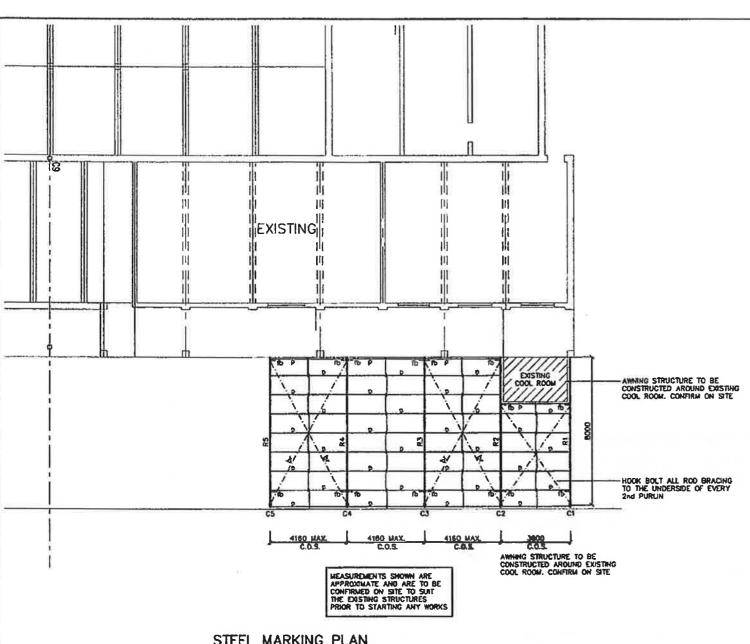






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0 100 200 300		This document may only be used by CHO's client (and any other pareen who GHO has agreed can use this time, which Daid	opect Director) 22.04.2011	r.		NEW CATTLE YARDS CONCRETE FLOOR SLAB DETAILS	
SSUED FOR TENDER  D.IW C.J' SF* 27.04.15  SCALE 1.10 AT ORIGIN  Revision. Note 'indicates degrees on or good issue of drawing or lost remains at drawing.  Drawin Wanager's Director.  Dete	U. SUE GPO Box 1877 Canderm ACT 2901 T 61 2 8113 3200 F61 2 6113 3299 E chrinal@god com W www.ghd.com	for the purpose for which it was prepared and must not the used by any other person or for any other purpose	He AS SHOWN	This Drawing must not be used for Construction arrives signed as Approved	A1	Drzwing No: 23-15492-S005	Rev





# STEEL MARKING PLAN

	STEELWORK MEMBER SCHEDULE				
	MEMBER	MARK	SIZE	REMARKS	
	COLUMN	C1 to C5	100 x 100 x 5.0 SHS	-	
	RAFTER	R1 to R5	200 UB 25		
	PURLIN	P	C15012	AT 1200 MAX, CTS. (1 ROW BRIDGING)	
	BRACING	br	≠12mm R00		
NSW GOVERNME Planning	BRACING	fb	50 x 50 x 5 ANGLE		
				I	

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No DA 220-07-2002-i MOD 8

granted on the 11/16/16

## STEELWORK NOTES:

- STEELWORK TO BE IN ACCORDANCE WITH AS 4100. FABRICATION TO BE CARRIED OUT IN ACCORDANCE WITH SECTION 14 OF AS 4100. ERECTION TO BE CARRIED OUT IN ACCORDANCE WITH SECTION 15 OF AS 4100.
- 2. UNLESS NOTED OTHERWISE, STEEL IS TO BE OF THE FOLLOWING GRADE;

UB's, UC's, PFC's & LARGE ANGLES TO AS/NZS 3679.1

GRADE 300 WELDED SECTIONS TO AS/NZS 3679.2 GRADE 300

HOT ROLLED PLATES, FLOOR PLATES AND SLASS TO AS AS/NZS 3678

GRADE 250 HOLLOW SECTIONS TO AS 1163

COLD FORMED PURUNS AND DIRTS TO AS 1397

GRADE C350

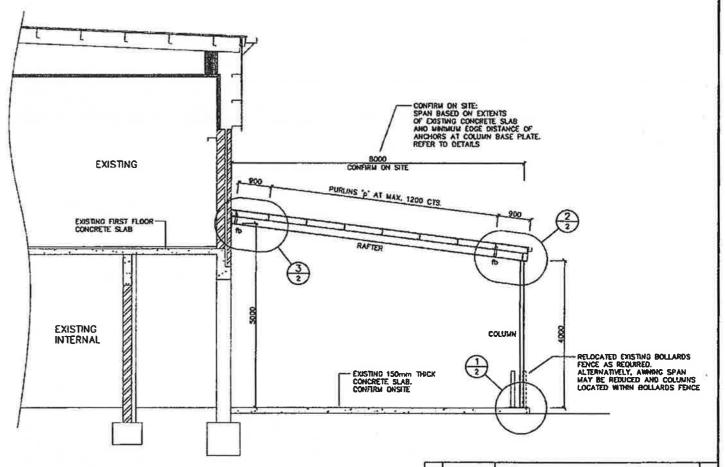
GRADE G450 Z350

- 3. DIMENSIONS AND SETDUTS TO BE OBTAINED FROM ARCHITECTURAL DRAWINGS WHERE NOT INDICATED ON STRUCTURAL DRAWINGS.
- 4. THE FABRICATOR SHALL PROVIDE CLEATS AND DRILL HOLES NECESSARY FOR FRONG OTHER ELEMENTS TO THE STEEL WHETHER OR NOT DETAILED ON THE STRUCTURAL DRAWINGS.
- THE FABRICATION AND ERECTION OF STRUCTURAL STEELWORK & TO BE SUPERVISED BY A PERSON QUALIFIED IN SUCH SUPERVISION, IN ORDER TO ENSURE ALL DESIGN REQUIREMENTS ARE MET.
- 6. BEAMS AND RAFTERS TO BE INSTALLED WITH NATURAL CAMBER UP.
- MEMBERS SHALL BE SUPPLIED IN SINGLE LENGTHS. SPLICES ARE PERMITTED ONLY WHERE SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS.

- 8. STEELWORK SHALL BE TEMPORARRY BRACED TO STABBLISE THE STRUCTURE DURING ERECTION.
- 9. UNLESS NOTED OTHERWISE:
- BOLTS TO BE M20 8.8/S
   CONNECTIONS SHALL HAVE A MINIMUM OF 2 BOLTS
   BOLTS AND WASHERS SHALL BE CALVANISED
   HOLES SHALL BE ZHIMI LARGER THAN THE BOLT DIAMETER
   BOLTS TO BE IN ACCOMDANCE WITH AS 1252
- 10. WELDING TO BE CARRIED OUT IN ACCORDANCE WITH AS 1554.1 UNLESS NOTED OTHERWISE;
- FILLET WELDS SHALL BE COMPLETE PENETRATION SP TO AS 1554.1
   BUTT WELDS SHALL BE COMPLETE PENETRATION SP TO AS 1554.1

RADIOGRAPHIC OR ULTRASONIC EXAMINATION TO BE IN ACCORDANCE WITH AS1554.1, AS2177.1 AND AS2207 AS APPROPRIATE.

- 1). STEELWORK NOT TO BE ENCASED BY CONCRETE SHALL BE PROTECTED FROM CORROSION OF THE FOLLOWING MAINER:
  THE STEELWORK IS TO BE CLEANED TO AN AS 1627 CLASS POWER BRUSSH PRÉPARATION AND GYBEN I COAT '215 RUST FIGHTER' TO GIVE A DRY FILM THICKNESS OF 40 MICRONS BEFORE DISPATCH TO SITE.
- 12. STEELWORK TO BE ENCASED IN CONCRETE SHALL BE UNPAINTED. ENCASING CONCRETE SHALL BE GRADE N25 PROVIDING ADEQUATE COVER TO SUIT FIRE RATING OR EXPOSURE CONDITIONS. CONCRETE ENCASING SHALL BE REINFORCED WITH SIMM WIRE TO AS 4617 OR 6mm STRUCTURAL GRADE BARS TO AS 4617 AT 150mm PITCH WHERE NOT INDICATED ON STRUCTURAL DRAWINGS.



# TYPICAL AWNING SECTION

-			-
A	21/03/18	ISSUE FOR CONSTRUCTION	A.8.
P1	18/03/15	PRELIMINARY FOR REVIEW & DISCUSSION	A.B.
No.	DATE	DETAILS	8Y

PROPOSED AWNING & NEW LINTEL TO ALDI EXTENSION DAMPIER STREET, BOMEN

Sheet Title: STEEL MARKING PLAN & SECTION

Client: TEYS AUSTRALIA

Scale: 1:100, 1:50(A1)

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