

22 September 2025

Enquiries: Jenny Elphinstone
Our Ref: EXEM 2025_5835/1 (Doc 1323343)
Your Ref: Field Lighting Degarra

Administration Office
64 - 66 Front St Mossman
P 07 4099 9444
F 07 4098 2902

Wujal Wujal Aboriginal Council
1 Hartwig Street
WUJAL WUJAL QLD 4895

Email: grants@wujal.qld.gov.au

Attention Ms Stephanie Little

Dear Madam

EXEMPTION CERTIFICATE

Council refers to your request for an exemption certificate for the following premises received on 19 September 2025.

Summary of Exempt Development

Building Work Made Assessable by the Planning Scheme for the installation of field lighting at the sport and recreation ground against the Rural Zone and the Planning Scheme Flood and Storm Tide Inundation Overlay.

Location details

Street Address: 2827 Cape Trib Bloomfield Road, Degarra
Real Property Description: Lot 10 on RP903517
Local Government Area: Douglas Shire Council

Decision

Council advises that an exemption certificate has been granted on 22 September 2025 for development as detailed in Attachment 1.

Referral agencies

Not Applicable

Reasons for giving exemption certificate

The development is exempt under this certificate under s46(3)(b) of the *Planning Act 2016* for the following reason(s):

- The effects of the development would be minor or inconsequential, considering the circumstances under which the development was categorised as assessable development.

When exemption certificate ceases to have effect

This exemption certificate does not lapse.

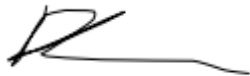
Other

Please quote Council's application number: EXEM 2025_ 5835/1 in all subsequent correspondence relating to this request.

Please note, the proposed work will require a Development Permit for Building Work to be issued by a Licensed Building Certifier.

Should you require any clarification regarding this matter, please contact Jenny Elphinstone on telephone 07 4099 9444.

Yours faithfully



For
Leonard Vogel
Manager Environment & Planning

WUJAL WUJAL SPORTS FIELD LOT 10 CAPE TRIBULATION BLOOMFIELD ROAD QLD 4895 NEW LIGHTING TO SPORTS FIELD FOR PRECISION SPORTS LIGHTING & ELECTRICAL STRUCTURAL DRAWINGS - FOOTINGS

DRAWING LIST

2025-44-S-01 - COVER SHEET
 2025-44-S-02 - GENERAL NOTES
 2025-44-S-03 - FOOTING DETAILS



LOCALITY
 N.T.S



SITE AERIAL IMAGE

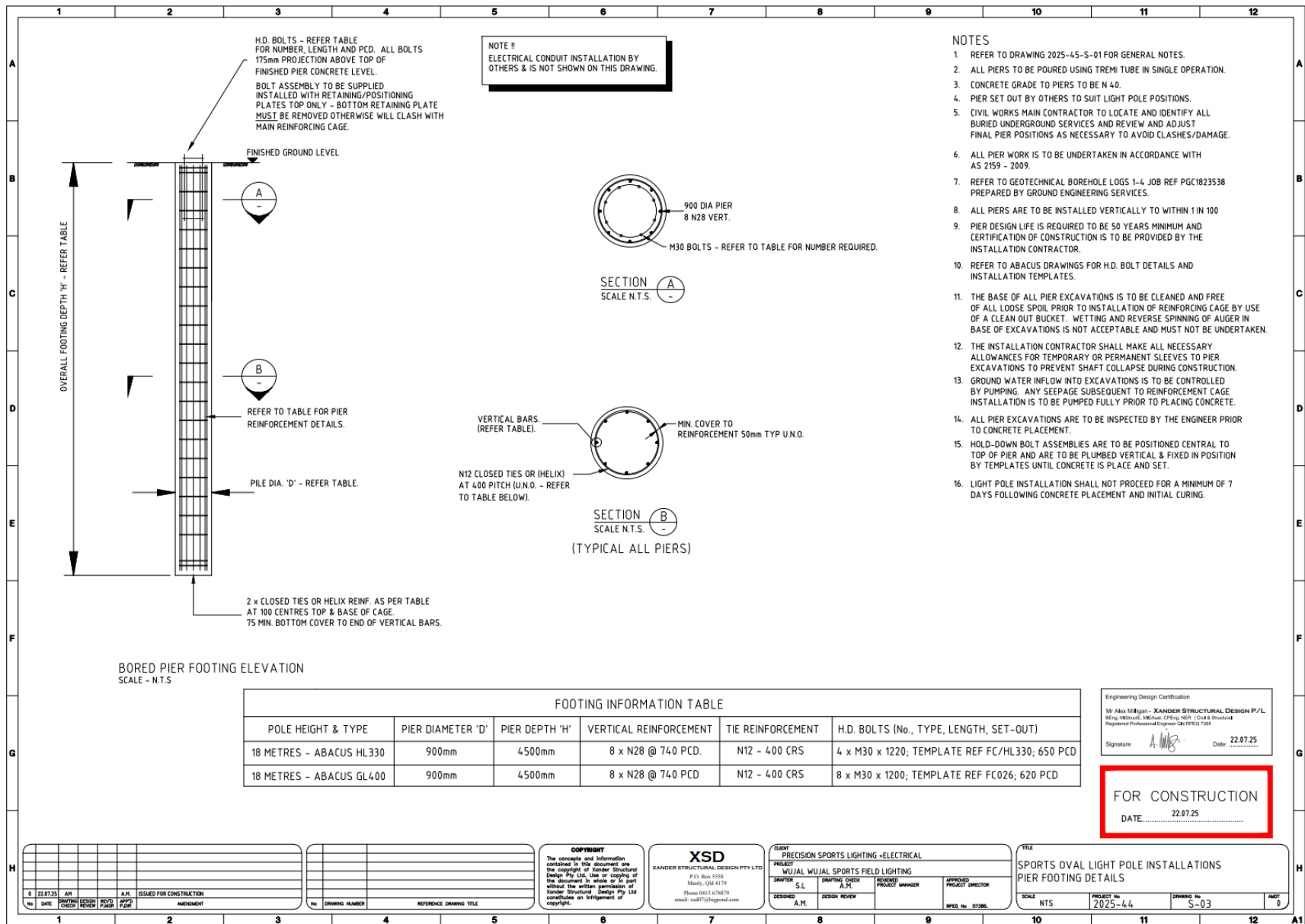
National Professional Engineers Register
 Mr Alex Milligan - KANDER STRUCTURAL DESIGN P/L
 BEng, MStrucE, MIEAust, CPEng, NER Civil & Structural
 Registered Professional Engineer Cid RPEQ 7385
 Signature: *A. Milligan* Date: 22.07.25

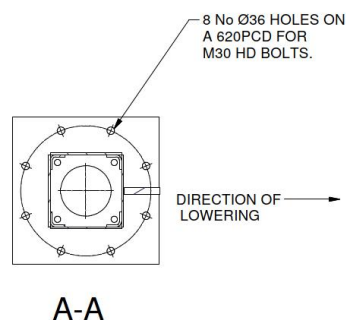
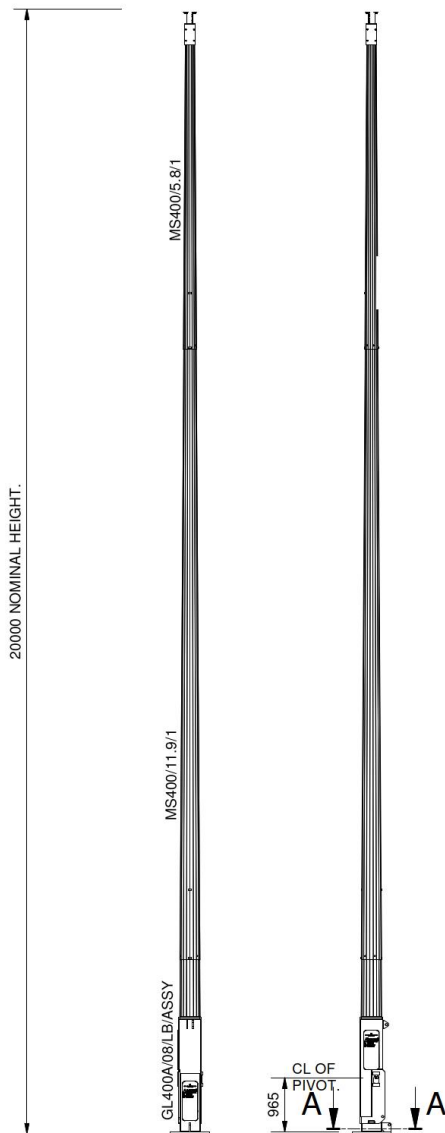
FOR CONSTRUCTION
 DATE 22.07.25

1 22.07.25 DATE PREPARED CHECKED DESIGNED DRAWN ISSUED FOR CONSTRUCTION PROJECT MANAGER PROJECT DIRECTOR		2 DRAWING NUMBER REFERENCE DRAWING TITLE		COPYRIGHT The contents and information contained in this document are the copyright of Kander Structural Design Pty Ltd. Use or copying of this document in whole or in part without the written permission of Kander Structural Design Pty Ltd constitutes an infringement of copyright.		XSD KANDER STRUCTURAL DESIGN PTY LTD P.O. Box 5555 Mackay, QLD 4779 Phone: 0811 076679 Email: xsd@ksgroup.com		CLIENT PRECISION SPORTS LIGHTING & ELECTRICAL PROJECT WUJAL WUJAL SPORTS FIELD LIGHTING DESIGNED A.M. CHECKED A.M. PROJECT MANAGER PROJECT DIRECTOR APPROVED PROJECT DIRECTOR REFNO. IN: 07385		TITLE STRUCTURAL DRAWINGS TITLE SHEET SCALE PROJECT No. 2025-44 DRAWING No. S-01 SHEET 0	
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Attachment 1

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A	<div>GENERAL WORKS</div> <div>01 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL CONTRACT DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED TO THE CLIENT'S REPRESENTATIVE FOR DECISION BEFORE PROCEEDING WITH WORK.</div> <div>02 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT S.A CODES AND WITH THE LATEST AND ORIGINATES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT AND UNLESS WHERE VARYED BY THE PROJECT SPECIFICATION.</div> <div>03 SETTING OUT DIMENSIONS AND SIZES OF STRUCTURAL MEMBERS SHALL NOT BE OBTAINED BY SCALES ON THE CONTRACT DRAWINGS. ANY SETTING OUT DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS SHALL BE CHECKED BY THE BUILDER/SUB-CONTRACTOR BEFORE CONSTRUCTION COMMENCES.</div> <div>04 DURING CONSTRUCTION, ALL WORKS & STRUCTURES SHALL BE MAINTAINED IN A SAFE AND STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACINGS SHALL BE PROVIDED BY THE SUB-CONTRACTOR AS REQUIRED TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES. THE BUILDER IS TO PREPARE AND SUBMIT A SAFE WORKING METHOD STATEMENT TO THE PRINCIPAL CLEARLY DEMONSTRATING THE CONSTRUCTION METHODOLOGY & SEQUENCE OF OPERATIONS TO BE IMPLEMENTED TO ACHIEVE A SAFE AND SATISFACTORY COMPLETION OF THE PROJECT.</div> <div>05 UNLESS NOTED OTHERWISE, ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.</div> <div>06 WHO LOADS HAVE BEEN DETERMINED IN ACCORDANCE WITH AS 1170 USING THE FOLLOWING PARAMETERS:- TERRAIN CATEGORY REFORM C REGIONAL WIND SPEED V10@10m +15 m/s STORMWIND MULTIFLIER P1 = 1.0 STRUCTURAL IMPORTANCE LEVEL 2</div> <div>07 THE STRUCTURAL COMPONENTS DETAIL ON THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT S.A CODES AND LOCAL AUTHORITY ORDINANCES AS APPLICABLE TO THE PROJECT.</div> <div>08 DRAWING CROSS REFERENCES WHERE CROSS SECTIONS, DETAILS AND OTHER CROSS REFERENCES APPEAR ON THE DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:- SECTION NUMBER = DETAIL LETTER CROSS REFERENCE NUMBER DRAWING NUMBER WITH SERIES OR "SERIES" - DRAWING NUMBER (E.G. 2005-10) WHEN NOT WITHIN SERIES.</div> <div>FOUNDATIONS</div> <div>01 ALL EXCAVATIONS AND EARTHWORKS TO BE FULLY COMPLIANT WITH AS 2708 - GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS</div> <div>02 REFER TO DRAWING 2020-44-1-5-01 FOR PER FORTING REQUIREMENTS AND REFERENCE TO THE SITE INVESTIGATION BORINGS FOR THE SITE.</div> <div>03 FOUNDATION DESIGN IS BASED ON THE SITE INVESTIGATION AND TESTING REPORT REF 2020-44-1-5-01. THE CONTRACTOR IS TO OBTAIN A COPY OF THE DOCUMENT AND RECORD FULLY ACQUAINTED WITH THE CONTENT AND RECOMMENDATIONS. SITE SURFACE PROFILE INDICATED IS NOT SURETY CLAYS TO MAX 12 METRES BELOW SURFACE OVER SANDY SILT CLAYS - SOFT TO FIRM TO 15.0 METRES TERMINATION DEPTH. WATER WAS ENCOUNTERED AT APPROXIMATELY 22 TO 24 METRES BELOW SURFACE ON ALL FOUR BORING DRILLS.</div>												B	<div>CIVIL WORKS GENERAL NOTES</div> <div>01 THE CONTRACTOR SHALL VERIFY THAT ALL ASPECTS OF THE DRAWINGS REPRESENTING THE PROPOSED WORKS AND THE ASSOCIATED CONSTRUCTION COSTS AND REQUIREMENTS. THE COMPLETION OF ANY ASPECT OF THE PROPOSED WORKS DETAILED ON THESE DRAWINGS IS DEEMED TO BE THE ACCEPTANCE OF THE CONTRACTOR.</div> <div>02 ALL LEVELS TO AUSTRALIAN HEIGHT DATUM (AHD).</div> <div>03 ALL DIMENSIONS ARE IN METRES PLAN & SECTIONS AND MILLIMETRES IN DETAILS AND ELEVATIONS.</div> <div>04 VERIFY ALL DIMENSIONS - DO NOT SCALE DRAWINGS.</div> <div>05 THE CONTRACTOR SHALL VERIFY THE ACCURACY AND COMPLETENESS OF ALL ASPECTS OF THE WORKS REPRESENTED ON THE DRAWINGS OR PRIOR TO CONSTRUCTION COMMENCING. THE CONTRACTOR SHALL ALLOW ALL COSTS TO AVOID ANY SUCH ACTION WITH NO COST IMPOSED UPON THE PRINCIPAL FOR CONSTRUCTION ERRORS/DEFECTS AS A RESULT FROM OBTAINING SUCH ACTION.</div> <div>06 IF IN DOUBT - ASK.</div> <div>07 WORKS NOT SPECIFICALLY REFERRED TO ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND REQUIREMENTS OF THE LOCAL AUTHORITY OR FUTURE ASSET OWNERS WHERE THEY MAY DIFFER. THE CONTRACTOR SHALL ALLOW NECESSARY COSTS TO UNDERTAKE SUCH WORKS AS MAY BE REQUIRED.</div> <div>08 ANY DAMAGE TO EXISTING INFRASTRUCTURE OR SERVICES SHALL BE RECTIFIED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTORS EXPENSE.</div> <div>09 WHERE TEMPORARY WORKS ARE REQUIRED TO CARRY OUT THE CONSTRUCTION OF ANY ASPECT OF THE WORKS SHOWN ON THE DRAWINGS, SUCH TEMPORARY WORKS SHALL BE DESIGNED AND INSTALLED AT THE CONTRACTORS EXPENSE. EXAMPLES OF SUCH WORK INCLUDE TEMPORARY DRAINAGE FOR EARTHWORK OPERATIONS AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES.</div> <div>10 THE CONTRACTOR SHALL LIAISE WITH THE PRINCIPAL AND/OR LOCAL AUTHORITY TO OBTAIN NECESSARY PERMITS AND INSPECTIONS FOR HOLD POINTS ASSOCIATED WITH ANY ASPECT OF THE WORKS. A NUMBER OF ASSESSMENTS SHALL BE PROVIDED FOR ALL NECESSITIES TO BE UNDERTAKEN. NOTIFICATION OF REQUIRED INSPECTIONS BY THE CONTRACTOR ARE REQUIRED TO BE PROVIDED TO THE PRINCIPAL AS THE PRINCIPAL HAS CONFIRMED THE INSPECTION DATE AND TIME.</div> <div>11 THE PRINCIPAL RESERVES THE RIGHT TO OBTAIN ANY ASPECT OF THE WORKS CONSTRUCTED. UNSATISFACTORY OR DEFECTIVE WITH A REQUEST FOR RECTIFICATION PROVIDED AS A FORMAL WRITTEN INSTRUCTION TO THE CONTRACTOR. ALL DEFECTIVE WORKS SHALL BE RECTIFIED AT THE CONTRACTORS EXPENSE UNLESS OTHERWISE SPECIFIED BY THE PRINCIPAL.</div> <div>12 THE CONTRACTOR SHALL MAINTAIN ALL CURRENT VEHICLE HEALTH AND SAFETY PRACTICES AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PUBLIC SAFETY AT AND ADJACENT TO PUBLIC SPACES AT THE CONSTRUCTION SITE.</div> <div>13 THE SITE IS TO BE LEFT NEAT AND TIDY AT THE COMPLETION OF THE WORKS. ALL RUBBISH AND DEBRIS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS AND SATISFACTION.</div> <div>14 AT THE COMPLETION OF THE WORKS THE CONTRACTOR SHALL ARRANGE FOR AN INDEPENDENT SURVEYOR TO UNDERTAKE AN "AS-CONSTRUCTED" DETAIL SURVEY. THE SURVEY SHALL BE CERTIFIED BY WRITING BY A REGISTERED SURVEYOR AND SUBMITTED TO THE PRINCIPAL. THE "AS-CONSTRUCTED" SURVEY SHALL BE SUPPLIED IN DIGITAL FORMATS (DWG FILE 2000 AND PDF). THE CONTRACTOR SHALL DESIGN THAT SUFFICIENT "AS-CONSTRUCTED" INFORMATION IS RECORDED THROUGHOUT THE COURSE OF CONSTRUCTION TO PROVIDE A COMPLETE "AS-CONSTRUCTED" PLAN AT THE END OF THE PROJECT.</div>												C	<div>STEEL WORK</div> <div>01 THE CONTRACTOR SHALL VERIFY THAT ALL ASPECTS OF THE DRAWINGS REPRESENTING THE PROPOSED WORKS AND THE ASSOCIATED CONSTRUCTION COSTS AND REQUIREMENTS. 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METHOD TO BE SUBMITTED TO CLIENT'S REPRESENTATIVE FOR APPROVAL. ALL CONCRETE SURFACES TO BE FREE OF LANTANE.</div> <div>09 NO PENETRATIONS, CHASES OR TEMPORARY FIXTURES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS, AND POINTED IN THE CONCRETE MEMBERS WITHOUT PRIOR APPROVAL OF THE CLIENT'S REPRESENTATIVE.</div> <div>10 CONCRETE, PIPES, ETC. SHALL ONLY BE LOCATED IN THE MIDDLE ONE THIRD OF SLAB DEPTH AND SPACED AT LESS THAN 3 DIAMETERS.</div> <div>11 WHEN DRILLING INTO EXISTING STRUCTURES, USE HAMMER DRILLS ONLY. DO NOT USE DIAMOND CORE DRILLS, EXCEPT WHERE SPECIFICALLY NOTED DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT UNLESS NOTED.</div> <div>12 CHEMICAL ANCHORS FOR FIXINGS TO CONCRETE SHALL BE HELY CHEMIST ANCHORS OR APPROVED SIMILAR.</div> <div>13 CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHERE SHOWN ON DRAWINGS OR SPECIFICALLY APPROVED BY THE CLIENT'S REPRESENTATIVE. FURTHER, CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED SHALL BE CLEAN, FREE OF ALL LANTANE, AND BE DAMPPED DOWN PRIOR TO COMPLETION OF POURING THE NEW CONCRETE.</div> <div>14 CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE CLIENT'S REPRESENTATIVE.</div> <div>15 OFF-FORM FINISHES SHALL BE CLASS 3 UNLESS SPECIFIED OTHERWISE ON THE DRAWINGS.</div> <div>16 ALL CONCRETE, INCLUDING SLABS ON GROUND & FOOTINGS, SHALL BE COMPACTED USING VIBRATION EQUIPMENT AS FOLLOWS:- SLABS - USE PERPENDICULAR VIBRATORS VERTICALLY, NOT HORIZONTALLY, IN OVERLAPPING SPOT PATTERN AND/OR VIBRATING SPODES. ALL OTHER ELEMENTS - USE IMMERSION TYPE VIBRATION VERTICALLY. VIBRATION IN EACH LOCATION SHOULD CONTINUE UNTIL AIR BUBBLES CEASE TO APPEAR GENERALLY AFTER 20-30 SECONDS.</div> <div>17 INITIAL CURING OF CONCRETE SHALL COMMENCE NO LATER THAN 3 HOURS AFTER FINISHING OPERATIONS HAVE BEEN COMPLETED. THE CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST AT LEAST OVERNIGHT BY:- (A) PONDING OR CONTINUOUS SPRINKLING WITH WATER (B) USE OF AN ABSORPTIVE COVER OR CONTINUOUSLY WET (C) COATING WITH AN APPROVED SPRAYED MEMBRANE CURING COMPOUND.</div> <div>18 FINAL CURING SHALL IMMEDIATELY FOLLOW INITIAL CURING AND SHALL BE CONTINUED FOR THE PERIOD SPECIFIED ONE OF THE FOLLOWING CURING METHODS SHALL BE ADOPTED FOR FINAL CURING:- (A) PONDING OR CONTINUOUS SPRINKLING WITH WATER (B) USE OF AN APPROVED MEMBRANE RETAINING COVERING SUCH AS HEAVY GAUGE CLEAR POLYETHYLENE SHEETING OR BULWARK PAPER, KEPT WET AGAINST THE CONCRETE SURFACES TO PREVENT AIR CIRCULATION AT THE CONCRETE SURFACES, SUCH COVERS SHALL BE MAINTAINED MOIST DURING THE CURING PERIOD. (C) COATING WITH AN APPROVED SPRAYED MEMBRANE.</div>												E	<div>SAFETY IN DESIGN DISCLAIMER</div> <div>UNDER THE WORK HEALTH & SAFETY ACT 2011 UNDER SECTION 79, XSD AS DESIGNER HAVE TAKEN ALL STEPS TO ENSURE A SAFE DESIGN APPROACH AND EXECUTION AND THE RESPONSIBILITY OF THE FOLLOWING STANDARDS, UNLESS NOTED OTHERWISE:- THE LIFE OF THE STRUCTURES DESIGNED BY THE COMPANY. XANDER STRUCTURAL DESIGN P/L CAN ONLY ACT IN A REASONABLE AND PRACTICAL MANNER IN PROVIDING DESIGN AND DESIGN SERVICES. ALL BUILDERS AND PEOPLE ON SITE ARE ALSO RESPONSIBLE FOR THEIR OWN ACTIONS. THE INFORMATION CONTAINED IN THESE DOCUMENTS ARE BELIEVED TO BE RELIABLE AND ACCURATE AT THE TIME OF PUBLICATION HOWEVER, THE INFORMATION IS PROVIDED ON THE BASIS THAT THE READER WILL BE SOLELY RESPONSIBLE FOR ASSESSING THE INFORMATION AND ITS VERACITY AND USEFULNESS AT THEIR OWN RISK. XANDER STRUCTURAL DESIGN P/L WILL NOT BE RESPONSIBLE FOR ANY LOSS SUSTAINED OR INCURRED BY ANYONE RELYING ON THE INFORMATION AND USING THESE DOCUMENTS UNCAUTIONALLY, EVEN IF SUCH INFORMATION IS OR TURNING OUT TO BE WRONG, INCOMPLETE, OUT OF DATE OR MISLEADING.</div>												F	<div>REINFORCEMENT</div> <div>01 REINFORCEMENT SHOWN ON THE DRAWINGS IS REPRESENTED GRAPHICALLY AND NOT NECESSARILY SHOWN IN TRUE PROPORTION.</div> <div>02 SPACES IN REINFORCEMENT SHALL BE MADE ONLY IN THE POSITION SHOWN ON THE DRAWINGS OR AS OTHERWISE APPROVED BY THE CLIENT'S REPRESENTATIVE. WHERE THE LAP LENGTH IS NOT SHOWN IT SHALL BE SUFFICIENT TO DEVELOP THE FULL STRENGTH OF THE REINFORCEMENT. BAR LAPS IN MILLIMETRES ARE TO BE AS SHOWN BELOW UNLESS SHOWN OTHERWISE:- NO 500 NO 600 NO 900</div> <div>03 BUNDLED BARS SHALL BE TIED TOGETHER AT 30 BAR SPACINGS CENTRES WITH 14MM ØP RE BAR.</div> <div>04 REINFORCEMENT SYMBOLS:- RF - DENOTES GRADE 500 HP ROLLED PLAIN BARS TO AS 4671 D - DENOTES TAND DRAWN WIRE REINFORCING FABRIC TO AS 4671 R - DENOTES GRADE 500 HIGH YIELD DEFORMED BARS TO AS 4671</div> <div>05 REINFORCEMENT ABBREVIATIONS:- EF EACH FACE NF NEAR FACE PF FAR FACE EW EACH WAY T TOP B or BTM BOTTOM</div> <div>06 WELDING OF REINFORCEMENT IS NOT PERMITTED UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY THE CLIENT'S REPRESENTATIVE.</div> <div>07 ALL REINFORCEMENT SHALL BE PROPERLY SUPPORTED ON PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 100mm CENTRES BOTH WAYS. ALL REINFORCEMENT SHALL BE SECURELY TIED WITH WIRE AND ALL TIES SHALL BE TURNED INTO THE INNER CLEAR OF THE COVER ZONE. WIRE SHALL BE SUPPORTED ON PLASTIC OR CONCRETE CHAIRS AT 800 MAXIMUM CENTRES.</div> <div>08 LAPS IN WIRE SHALL BE THE SPACING OF TRANSVERSE WIRE PLUS 30mm UNLESS SHOWN OTHERWISE.</div> <div>09 FACING SHALL NOT BE LAPPED ON THE GROUND AND PULLED INTO POSITION THROUGH THE CONCRETE.</div> <div>10 CLEAR COVER TO REINFORCEMENT SHALL BE AS SHOWN ON THE DRAWINGS.</div> <div>11 REINFORCEMENT DEVELOPMENT LENGTH SHALL EQUAL LAP LENGTH.</div> <div>12 THE PRINCIPAL'S REPRESENTATIVE SHALL BE GIVEN A MINIMUM OF 24 HOURS NOTICE FOR REINFORCEMENT INSPECTION AND CONCRETE SHALL NOT BE DELIVERED UNTIL FINAL APPROVAL IS OBTAINED.</div>												G	<div>FOR CONSTRUCTION</div> <div>DATE 22.07.25</div>												H	<div>Engineering Design Certification</div> <div>Mr Alex Milligan - XANDER STRUCTURAL DESIGN P/L BEng, MEng, MSc, CEng, CIB, CIB Tech, CIB Tech Registered Professional Engineer on the NZECC 7385</div> <div>Signature: <i>A. Milligan</i> Date: 22.07.25</div> <div>PROPOSED SPORTS FACILITY LIGHT POLES GENERAL & TECHNICAL SPECIFICATION NOTES</div> <div>SCALE: N/A PROJECT NO: 2025-44 DRAWING NO: S-02 AMOUNT: 0</div>											
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- NOTES
1. FIRST ANGLE PROJECTION.
 2. DIMENSIONS SHOWN IN BRACKETS THUS (25) ARE REF. DIMENSIONS ONLY.
 3. REMOVE ALL BURRS & SHARP EDGES.
 4. DO NOT SCALE IF IN DOUBT ASK.
 5. WELDING SYMBOLS ARE TO BS EN 24083 & BS EN 22553.
 6. ALL STANDARDS & SPECIFICATIONS ARE TO BE TO THE LATEST REVISIONS.
 7. FILLET WELDS TO BE TO WELD PROCEDURE No. 031W.
 8. MATERIAL - CHS TO BS EN 10210 GRD S275 WITH A TENSILE STRENGTH OF 430N/mm². CHS TO BE EN 10210 GRD S355 WITH A TENSILE STRENGTH OF 460N/mm². PLATE FROM M.S TO BS EN 10025 GRD S275. PLATE 25mm THICK AND OVER TO BE CHAIRTY TEST VALUE OF 27J(MIN) AT -20°C.
 9. FINISH HOT DIP GALV TO BS EN ISO 1461.
 10. COLUMN IS LOWERED USING RLH12 COUNTERBALANCE.
 11. THE TWO BASE COMPARTMENTS ARE FITTED WITH 18mm THK TIMBER BASE BOARDS AND M10 EARTHING SETS.
 12. FOR MANUFACTURING DETAILS OF BASE SEE DRG NO RL201/28 SERIES.
 13. FOR FOUNDATION BOLT DETAIL SEE DRG NO RLW201/31.
 14. ITEMISED WEIGHTS.

SHAFT NO	WEIGHT
MS400/5.8/1	113KG
MS400/11.9/1	415KG
LID ASSEMBLY	366KG
BASE ASSEMBLY	246KG
PIVOT COMPONENTS	19KG
TOTAL WEIGHT OF ASSEMBLED LID BASE	= 628KG.
 15. EARTH BRAID IS THREADED THRO' THE FLEXIBLE CONDUIT OR GALE TIED TO THE SAME.
 16. SHAFT OVERLAPS:

SHAFT	MIN	DESIGN	MAX
5.8/1 TO 11.9/1	420	1000	1150
11.9/1 TO L/ASSY	663	1250	1400
 17. MAST TOP SPIGOT REF SB194SPIGSL.

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Patent No.
Reg. Design No.

General tolerances unless stated otherwise:-

0mm-500mm----- ±
501mm-1000mm--- ±
Above----- ±

Drawn abooth

Checked L DYE

Not to scale

Date 04/01/2012

Title
ARRANGEMENT OF GL40020SL

Sales order No.

REV	SIG	DESCRIPTION	DATE	CHD
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Abacus
World Leaders in Lighting

Client STANDARD COMPONENT

Drg. No. GL40020SL

Technical data

Mast ref	Mounting height (m)	Column weight (Kg)	Weight of heaviest part (Kg)	Max O.T.M KnM		Horiz.shear at ground level (kN)	Foundation bolts	Integral gear compartment	Foundation reference*
				raised	lowered				
HL250	12	398		45	29	6	4 No. M30 x 800mm	100 x 190 x 410	50M150/50P150
	15	432	253	45	29	5	Grade 4.6 on 400x400crs	100 x 170 x 650	50M150/50P150
HL330	15	750		121	82	11		170 x 270 x 350	150M150/150P150
	18	797	370	120	82	10	4 No. M30 x 1200mm	170 x 250 x 656	150M150/150P150
	20	812		120	82	10	Grade 8.8 on 460x460crs	One off	150M150/150P150
GL400	15	1019		147	123	12			150M150/150P150
	18	1151		159	133	11			200M150/200R150
	20	1194	691	161	132	11	8 No. M30 x 1200mm	2902 x 310 x 610	200M150/200R150
	25	1278		153	133	9	Grade 8.8 on 620PCD**	Two off	200M150/200P150
GL520	20	1929		278	258	18			300R150/300M150
	25	2124		297	267	16			300R150/300M150
	30	2267	1210	298	277	15	8 No. M36 x 1200mm	406 x 426 x 610	300R150/300M150
	35	2330		226	265	13	Grade 8.8 on 700PCD**	Two off	300R150/300M150
GL620	20	3174		711	521	41			750R150
	25	3450		673	528	33			750R150
	30	3618	1848	565	518	26	16 No. M36 x 1350mm	490 x 510 x 800	750R150
	35	3731		491	512	23	Grade 8.8 on 200crs	550 x 570 x 630	750R150
GL720	40	3865		470	527	21	(800 x 800 overall)	One off	750R150
	25	4687		720	639	37			750R150
	30	5203		703	730	33			750R150
	35	5497	3365	737	760	32	20 No. M36 x 1350mm	590 x 610 x 1000	1000R150
GL800	40	5840		759	838	31	Grade 8.8 on 180crs	650 x 670 x 630	1000R150
	45	6586		820	867	31	(900 x 900 overall)	One off	1000R150
	30	7196		912	898	43			1000R150
	35	7610		987	957	42			1000R150
GL800	40	8514	4966	989	1148	40	20 No. M36 x 1350mm	970 x 690 x 1000	1250R150
	45	8893		989	1145	39	Grade 8.8 on 180crs	730 x 750 x 630	1250R150
	50	9510		989	1327	37	(900 x 900 overall)	One off	1500R150
	30	10600		2220	2110	116	20 No. M42 x 1700mm	950 x 950 x 600	3000R150
GL1000	35	11200		2840	2090	126	Grade 8.8 @ 240crs	850 x 850 x 1000	3000R150
	40	11600	6410	2650	2070	109	(1200 x 1200 overall)		3000R150
	45	11800		2240	2070	90			3000R150
	50	12050		1790	2060	74			3000R150

*Note: this reference is based strictly on a good ground pressure of at least 150kN/m²

**PCD = Pitch Circle Diameter



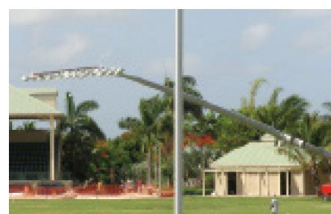
Fast and simple

Masts are assembled and installed at ground level using low-capacity equipment.



Safety first

Safe and simple maintenance at ground level. No climbing, no high level platform with difficult access.



Versatile and robust

Up to 50m high and built to last, with low-cost maintenance.



PROPOSED SPORTS LIGHTING WUJAL WUJAL RL



Challenger 1

Luminaire Schedule							
Symbol	Qty	Label	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts
1	10	AL6102/3_15752SX	Challenger 1 6 module medium beam	F1	0.900	203437	1539

Calculation Summary									
Project: FIELD									
Label	Units	Avg	Max	Min	PtSpCLr	Meter Type	Min/Avg	Min/Max	UG
Carpark Area	Lux	14.42	75.7	1.1	2	Horizontal	N.A.	N.A.	3.25
Field EH	Lux	111.33	221	67	5	Horizontal	0.60	0.30	1.44

UWLR Area Summary		
Label	UWLR	Total Watts
UPWARD WASTE LIGHT RATIO	0.003	15390

Expanded Luminaire Location Summary							
LumNo	Label	Orient	Tilt	Z	Tag		
1	AL6102/3_15752SX	350	65	18	F1		
2	AL6102/3_15752SX	265	63	18	F1		
3	AL6102/3_15752SX	355	65	18	F1		
4	AL6102/3_15752SX	270	63	18	F1		
5	AL6102/3_15752SX	95	65	18	F1		
6	AL6102/3_15752SX	160	70	18	F1		
7	AL6102/3_15752SX	350	65	18	F1		
8	AL6102/3_15752SX	80	70	18	F1		
9	AL6102/3_15752SX	165	65	18	F1		
10	AL6102/3_15752SX	350	63	18	F1		

Isoline Legend	
Illuminance (Lux)	
Color	Value
Blue	2
Green	10
Yellow	30
Orange	50
Red	100

Calculation Summary									
Project: OBTRUSIVE									
Label	CalcType	Units	Max	PtSpCLr	PtSpTb	Grid Tilt	Meter Type	Fixed Meter Aiming	TI
OL CTB Road_Cd_Seg1	Obtrusive - Cd	N.A.	10546	5	1	90	Vert-PerpCW	Variable	90
OL CTB Road_Cd_Seg2	Obtrusive - Cd	N.A.	9492	5	1	90	Vert-PerpCW	Variable	90
OL CTB Road_Cd_Seg3	Obtrusive - Cd	N.A.	7367	5	1	90	Vert-PerpCW	Variable	90
OL CTB Road_Cd_Seg4	Obtrusive - Cd	N.A.	8505	5	1	90	Vert-PerpCW	Variable	90
OL CTB Road_Cd_Seg5	Obtrusive - Cd	N.A.	10533	5	1	90	Vert-PerpCW	Variable	90
OL CTB Road_Cd_Seg6	Obtrusive - Cd	N.A.	6991	5	1	90	Vert-PerpCW	Variable	90
OL CTB Road_Cd_Seg7	Obtrusive - Cd	N.A.	6787	5	1	90	Vert-PerpCW	Variable	90
OL CTB Road_Cd_Seg8	Obtrusive - Cd	N.A.	7138	5	1	90	Vert-PerpCW	Variable	90
OL CTB Road_III_Seg1	Obtrusive - III	Lux	0	5	1	90	Vert-PerpCCW	Variable	90
OL CTB Road_III_Seg2	Obtrusive - III	Lux	0	5	1	90	Vert-PerpCCW	Variable	90
OL CTB Road_III_Seg3	Obtrusive - III	Lux	1	5	1	90	Vert-PerpCCW	Variable	90
OL CTB Road_III_Seg4	Obtrusive - III	Lux	1	5	1	90	Vert-PerpCCW	Variable	90
OL CTB Road_III_Seg5	Obtrusive - III	Lux	1	5	1	90	Vert-PerpCCW	Variable	90
OL CTB Road_III_Seg6	Obtrusive - III	Lux	1	5	1	90	Vert-PerpCCW	Variable	90
OL CTB Road_III_Seg7	Obtrusive - III	Lux	0	5	1	90	Vert-PerpCCW	Variable	90
OL CTB Road_III_Seg8	Obtrusive - III	Lux	0	5	1	90	Vert-PerpCCW	Variable	90
TI CTB Rd 1	Obtrusive - TI	%	0	5	0	0	Vert-Along	Variable	90
TI CTB Rd 2	Obtrusive - TI	%	1	5	0	0	Vert-Along	Variable	90

Calculations comply with Amateur Level - Club Competition & Match Practice

Maintained Average 100 lux, Uniformity Min/Ave > 0.50, Uniformity Min/Max > 0.30
Uniformity Gradient < 2, Glare Rating < 50

All calculation points as per the standard

IMAX of ies file is at 55dg. Actual tilts to be adjusted on site.

Carpark complies with category PC3 as per AS1158.3.1-2020

The Obtrusive Light assessment is based on the light limiting parameters and guidelines from AS3827
Calculations assume Pre-curve conditions (Roadlights switch off at the time stipulated by the controlling regulatory authority)
Calculations assume Environmental Zone A3, (Definition - Suburban areas in towns and cities)
Calculations use a scaled Google Earth image to estimate the field, location, assumed property boundaries and roadways
Calculations are approximate only
A cad drawing should be always be used to verify the calculations

A Light Loss Factor (LLF), accounting for lumen and dirt depreciation, of 0.9 has been used for all LED luminaires
This is derived from a combination of the following:
* Luminaire Dirt Depreciation (LDD) - 0.95, with a 36 month cleaning cycle (per AS2560.1)
* Lamp Lumen Depreciation (LLD) - 0.95 @ 7000 hours burning hours

Glare Rating has been calculated at observer locations, in accordance with AS2560.2
We have used a surface reflectance of 25% referencing natural grass
There have been no obstructions, such as trees, included in this lighting calculation
This scheme is subject to the accuracies and tolerances of lighting systems described within AS3827

Obtrusive Light - Compliance Report

AS/NZS 4282:2019, A3 - Medium District Brightness, Non-Curfew L1
Filename: WUJAL WUJAL RL
02-10-2024 06:41:15

Illuminance

Maximum Allowable Value: 10 Lux

Calculations Tested (8):

Calculation Label	Test Results	Max. Illum.
OL CTB Road_III_Seg1	PASS	0
OL CTB Road_III_Seg2	PASS	0
OL CTB Road_III_Seg3	PASS	1
OL CTB Road_III_Seg4	PASS	1
OL CTB Road_III_Seg5	PASS	1
OL CTB Road_III_Seg6	PASS	1
OL CTB Road_III_Seg7	PASS	0
OL CTB Road_III_Seg8	PASS	0

Luminous Intensity (Cd) At Vertical Planes

Maximum Allowable Value: 12500 Cd

Calculations Tested (8):

Calculation Label	Test Results
OL CTB Road_Cd_Seg1	PASS
OL CTB Road_Cd_Seg2	PASS
OL CTB Road_Cd_Seg3	PASS
OL CTB Road_Cd_Seg4	PASS
OL CTB Road_Cd_Seg5	PASS
OL CTB Road_Cd_Seg6	PASS
OL CTB Road_Cd_Seg7	PASS
OL CTB Road_Cd_Seg8	PASS

Threshold Increment (TI)

Maximum Allowable Value: 2.0 %

Calculations Tested (2):

Calculation Label	Adaptation Test	Luminance Results
TI CTB Rd 2	1	PASS
TI CTB Rd 1	1	PASS

Upward Waste Light Ratio (UWLR)

Maximum Allowable Value: 2.0 %

Calculated UWLR: 0.3 %

Test Results: PASS

Certification

The proposed sports lighting installation (within the shown scope) associated with the development of WUJAL WUJAL RL will comply with the requirements of:

- AS 2560.2:2021 Sports Lighting
- AS 4282:2023 Obtrusive Lighting

Ashwin Mungantiwar MIES (Aust + NZ) MIES4898

Date: 02-10-2024

Filename: WUJAL WUJAL RL.AGI

PROJECT	DRAWING	REVISION	DATE	PAGE - A3	
WUJAL WUJAL RL	COVER PAGE, LEGEND, NOTES & CALCULATION RESULTS	D	02-10-2024	Page 1 of 2	<p>Copyright (c) SMARTLUX A PRECISION. ALL RIGHTS RESERVED. THIS DRAWING MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS IN PART OR IN WHOLE WITHOUT THE WRITTEN PERMISSION OF SMARTLUX A PRECISION. THESE DRAWINGS ARE SCHEMATIC AND SHALL BE READ IN CONJUNCTION WITH ALL CONTRACT DOCUMENTATION. SHOULD ANY AMBIGUITY, ERROR, OMISSION, DISCREPANCY, INCONSISTENCY OR OTHER FAULT APPEAR TO EXIST IN THE DOCUMENTS, IMMEDIATELY NOTIFY THE CONTRACT ADMINISTRATOR.</p> <p>craig@smartlux.com.au 0450 747 337 wade@precisionsports.com.au 0412 242 565</p> <p>smartlux. THINK BRIGHT</p> <p>PRECISION</p> <p>Abacus Leaders in Lighting</p>

