No	REVISION	BY	DATE	AUTH
0.	ISSUED	TENCO	10/2018	

NOTES:

1. CRICKET PRACTICE WICKETS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH AS1725.4–2010: CRICKET NET FENCING ENCLOSURES
2. CRICKET NET FENCING SHALL INCLUDE HEAVY DUTY CHAIN LINK FABRIC TO SIDES AND ROOF AREA PLUS EXTRA HEAVY DUTY FABRIC TO REAR END FACES.
3. WIDTH OF ENCLOSURES SHALL BE 3600mm MINIMUM.
4. FOR SAFETY PURPOSES, CHAIN LINK FABRIC SHALL BE INSTALLED TO ALL INTERNAL FACES OF DIVIDING FENCES.

MATERIALS:

1. CHAIN LINK FENCING FABRIC, SINGLE–STRANDED FENCING WIRE AND TIE WIRE SHALL COMPLY, IN ALL RESPECTS, WITH AS2423.
2. MEDIUM QUALITY PIPE SPECIFIED IN TABLES B2 AND B3 OF APPENDIX B IS AS1725.4–2010 FOR POSTS, STAYS, RAILS AND BRACING RAILS SHALL COMPLY WITH AS/NZS 1163 STRENGTH GRADE 250MPA.
3. GALVANIZED (ZINC) COATING ON THE STEEL TUBES SHALL COMPLY WITH AS/NZS 4792 WITH A COATING CLASS OF HDG 300 OR EQUIVALENT SERVICE LIFE.
4. ALL PROPRIETARY CLAMPS, PIPE FITTINGS, HINGES, FASTENERS, CATCHES AND ANY OTHER PARTS SHALL BE MANUFACTURER FROM PLAIN CARBON STEEL, SUITABLE FOR HOT–DIP GALVANIZING COMPLYING WITH AS/NZS 4680
5. CONCRETE SHALL BE MINIMUM 25MPa FOR POST FOUNDATIONS, 32MPa FOR REINFORCED CONCRETE SLAB ON GROUND.
6. POWDER COATING SHALL COMPLY TO THE REQUIREMENTS OF AS 4506.

MEMBER SCHEDULE:

FENCE POSTS SHALL BE AS SPECIFIED IN AS1725.4–2010, AS SHOWN IN THE DRAWINGS PROVIDED AND AS SPECIFIED IN THE MEMBER SCHEDULE BELOW:

STRUCTURE:

1. FENCE POSTS SHALL HAVE ALL EXPOSED TOPS TIGHTLY FITTED WITH GALVANISED STEEL CAPS.
2. PIPE RAILS SUPPORTING CHAIN LINK FABRIC SHALL EITHER BE DN40 OR DN32 WITHOUT JOINTS. JOINTS ARE PERMITTED FOR CONTINUOUS TOP RAIL FENCING AT NOT LESS THAN 6000mm INTERVALS (TOP RAIL ONLY). JOINTS IN BOTTOM RAILS OR ROOF RAILS ARE NOT PERMITTED.
3. CHAIN LINK FABRIC SHALL BE 50mm PITCH WITH 3.15mm WIRE HEAVY DUTY FABRIC. FOR REAR END FENCES, CHAIN LINK FABRIC SHALL BE 40mm PITCH X 3.15mm WIRE EXTRA HEAVY DUTY FABRIC, RATINGS AS DEFINED BY AS2423.
4. PREFERRED SELVEDGE FOR CRICKET NET ENCLOSURES SHALL BE KNUCKED–KNUCKLED (KK), KNUCKLED AT BOTH TOP AND BOTTOM OF FABRIC.
5. CHAIN LINK FABRIC SHALL BE EXTRUDED PLASTIC COATED WIRE, PVC (POLYVINYL CHLORIDE) AND SHALL COMPLY WITH AS2423 WITH BASE METALLIC COATING NOT LESS THAN W02Z. COLOUR TO BE BLACK N61 TO AS2700S. THE PLASTIC SHALL BE UV–STABLE.
6. FABRIC SELECTION:

FABRIC HEIGHT mm	PITCH or MESH SIZE mm	WIRE DIAMETER mm	WIRE COATING DESIGNATION & IDENTIFYING CODE	SELVEDGE – TOP AND BOTTOM EDGE OF FABRIC	FABRIC SERVICE DUTY
(FABRIC HEIGHT) x 40 or 50 x 3.15/W02Z/SG–PVC/KK HEAVY DUTY (CHAIN LINK FABRIC)					
3000	50	3.15	W02Z/SG–PVC	KK (KNUCKLED– KNUCKLED)	HEAVY DUTY
3000	40	3.15	W02Z/SG–PVC	KK (KNUCKLED– KNUCKLED)	EXTRA HEAVY DUTY

7. SUPPORT CABLES SHALL BE EXTRUDED PLASTIC COATED HELICOIL CABLE WIRE (SINGLE–STRAND 4mm DIAMETER CORE METALLIC–COATED BASE WIRE PLUS PLASTIC COATING TO PROVIDE 5.20mm COATED OUTSIDE DIAMETER WIRE HELIX SPIRALLED, OR, EXTRUDED PLASTIC COATED TWIN–TWISTED CABLE WIRE (TWIN–STRAND 3.15mm DIAMETER CORE METALLIC–COATED BASE WIRE PLUS PLASTIC COATING TO PROVIDE 3.95mm COATED OUTSIDE DIAMETER WIRE, BOTH WIRES TWISTED TOGETHER BETWEEN POSTS. NOTE; FUSE–BONDED POLYMER COATED CABLES MAY BE INTERCHANGED. REFER AS1725.4–2010
8. LACING WIRE SHALL BE 2.0mm DIAMETER AND OF THE SAME COATING QUALITY AS SELECTED FOR THE CHAIN LINK FABRIC.
9. TIE WIRE TO POSTS SHALL BE 2.0mm DIAMETER AND OF THE SAME COATING QUALITY AS SELECTED FOR THE CHAIN LINK FABRIC. TIE WIRE BETWEEN CHAIN LINK FABRIC AND CABLES POSTS SHALL BE 1.57mm DIAMETER CORE WIRE.
10. POWDERCOATING APPLICATION OVER GALVANISED STEEL TUBES AND HITTINGS SHALL BE A THERMOSETTING POLYMER RESIN SYSTEM, APPLIED ELECTROSTATICALLY AND OVER CURED. UNLESS OTHERWISE INDICATED, DRY FILM THICKNESS (DFT) SHALL BE 60–100µm

INSTALLATION

1. POST SPACINGS SHALL BE EQUALLY SPACED AT 3000mm MAXIMUM SPACINGS.
2. PIPE RAILS SHALL BE SECURELY CONNECTED TO POSTS WITH GALVANISED BOLTED SPLIT CLAMP–ON TYPE FITTINGS BY PROPRIETARY MANUFACTURER TO MANUFACTURER'S RECOMMENDATIONS.
3. ENDS OF CABLE WIRES SHALL BE FIRMLY SECURED TO ALL TERMINAL POSTS. EACH CABLE WIRE SHALL BE WRAPPED AROUND THE TERMINAL POST TWICE WITH THE END NEATLY CUT OFF FLUSH WITH CABLE WIRE.
4. CHAIN LINK FABRIC TO BE PLACED ON THE INSIDE OF POSTS FOR SAFETY PURPSES. THE CHAIN LIK FABRIC SHALL BE INSTALLED TO BOTH FACES OF ALL INTERNAL DIVIDING FENCES, STRAINED TAUT BETWEEN 1,0 AND 1,2KN AND SECURED TO EACH SUPPORT CABLE, POSTS, MID RAILS WITH TIE–WIRES, EXCEPT AT THE END POST. AT THE END AND CORNER POSTS, THE CHAIN LINK FABRIC SHALL BE FULLY LACED THROUGH EACH DIAMOND TO THE END POSTS, INTERNAL CORNER POSTS, EXTERNAL PIPE RAILS WHERE PROVIDED.
5. TOP AND BOTTOM RAILS SHALL BE FULLY LACED THROUGH EACH DIAMOND WITH 2.0mm WIRE, TO EACH RAIL AT SELVEGE EDGE.
6. THERE SHALL BE A MIMIMUM OF 4 TIES PER POST TO SECURE CHAIN LINK FABRIC TO POSTS, WITH EACH TIE LOCATED CENTRALLY BETWEEN CABLES. TIES TO SECURE CHAIN LINK FABRIC TO INTERNAL ROOF RAILS SHALL BE AT 320mm MAXIMUM SPACINGS (EVERY 4TH DIAMOND).
7. ALL GALVANISED THREADED BOLTS AND NUTS USED FOR ATTACHMENT OF FITTINGS SHALL BE SIZED CORRECTLY TO SUIT THE PROPRIETARY CLAMP–ON FITTINGS AND SECURELY TIGHTENED WITH NUTS FITTED OUTSIDE OF THE FENCE.

PITCH:

1. CONCRETE SHALL BE MINIMUM 100mm THICK, SUPPLIED IN ACCORDANCE WITH AS1379–2007.
2. PROVIDE SL82 MESH, CENTRALLY PLACED.
3. CONCRETE STRENGTH, MINIMUM 32MPa AT 28 DAYS, MAXIMUM AGGREGATE SIZE 20mm, 80mm SLUMP.
4. STEEL PAN FINISH TO THE SYNTHETIC TURF AREA.
5. EXPANSION JOINTS SHALL BE SAW CUT TO DEPTH 30mm X 5mm WIDE. EARLY ENTRY CUT WITHIN 10HRS OF POUR. CUT EVERY SECOND BAR AT JOINT LOCATION. COMPLETE SAW CUT WITHIN 24HRS OF CONCRETE PLACEMENT. PROVIDE MASTIC SEALANT AT SAW CUT.
6. WHEN CONCRETING DURING HOT (MORE THAN 25˚) AND/OR WINDY CONDITIONS, APPLY ALIPHATIC ALCOHOL TO HORIZONTAL ELEMENTS AFTER INITIAL SET.
7. INITIATE AN APPROVED METHOD OF CURING FOR ALL CONCRETE ELEMENTS AS SOON AS PRACTICABLE AFTER THE CONCRETE HAS SET AND MAINTAIN IT FOR AT LEAST 7 DAYS.
8. REINFORCEMENT SHALL COMPLY WITH AS4671.
9. LAP ALL MESH ONE PITCH PLUS 100mm.

GENERAL:

1. INDIVIDUAL PITCHES TO BE POURED IN A CONTINUOUS MANNER.
2. INSTALL FENCE POSTS PRIOR TO POURING CONCRETE.
3. CONCRETE SURFACE SHALL BE FLUSH WITH ADJACENT GRASS SURFACE.
4. PITCH SHALL BE PROVIDED LEVEL WITH MAXIMUM 30mm LONGITUDINAL FALL AS SHOWN.
5. BOTTOM RAIL TO HAVE MAXIMUM 25mm CLEARANCE ABOVE FINISHED CONCRETE SURFACE.
6. SYNTHETIC TURF TO CITY OF WANNEROO SPECIFICATIONS. THE APPROVED SELECTION SHALL COVER ENTIRE NET AND CONCRETE RUN UP AREA.
7. LOCAL MODIFICATIONS MAY BE REQUIRED TO SATISFY LOCAL CONDITIONS. REFER TO 2015 CRICKET AUSTRALIA COMMUNITY CRICKET FACILITIES GUIDELINES REGARDING ADDITIONAL REQUIREMENTS WHICH MAY OCCUR LOCALLY. GUIDANCE IS PROVIDED IN THIS DOCUMENT REGARDING PRACTICE WICKET PLACEMENT, ORIENTATION, CONSIDERATION FOR OVERHANGING TREES, POWER SUPPLY, ROOF EXTENSIONS ETC.
8. CONTRACTOR TO CONSIDER AND REPORT ON IMPACT TO IRRIGATION SYSTEMS
9. CONTRACTOR TO ALLOW FOR AND INSTALL NEW TURF UP TO EDGE OF BOWLER'S RUN UP
10. BOWLER'S RUN UP IN GENERAL NEEDS TO ALLOW FOR 30m FLAT EVEN TURF

* INDICATES SIGNATURES ON ORIGINAL ISSUE OF DRAWING.

DATUM: N/A | GRID: N/A | SURVEYOR: N/A

SCALE: 1:200 (2.0 0 2.0 4.0 6.0 8.0 SCALE IN METRES)

DESIGNED: TENCO ENGINEERS

DRAWN: TENCO ENGINEERS 10/2018

DESIGN CHECKED: * C. TENNI DESIGNER 22/10/2018

DESIGN ARCHIVE:

DRAWING ARCHIVE:

STANDARDS/DOCUMENT CONTROL: PROJECTS TECHNICAL SUPPORT OFFICER

CHECKED: * P. WILLIAMS 13/11/2018 COORDINATOR DESIGN

APPROVED: * L. NICHOLSON 13/11/2018 MANAGER INFRASTRUCTURE CAPITAL WORKS

APPROVED: * H. SINGH 13/11/2018 DIRECTOR ASSETS

SPORTING FACILITIES

CRICKET PRACTICE WICKETS
SINGLE, DOUBLE AND TRIPLE WICKET
NOTES

STANDARD SHEET 2 OF 2

CITY OF WANNEROO
TECHNICAL SERVICES

INFRASTRUCTURE SERVICES

FILE No. –

DRAWING No TS 30 -16- SHEET 0 REVISION

ORIGINAL DRG.SIZE A3