



ROOF SPECIFICATION:
 KINGSPAN TORSECT 131200/71/D/ECOSAFE/PCR COMPOSITE MEMBRANE COVERED ROOF PANELS, INNER SKIN 0.7mm THICK GALVANISED STEEL SHEETS, LINER ENAMEL COATED, COLOUR: BRIGHT WHITE INTERNAL FINISH, CORE: 71mm THICK ECOSAFE LFC GRADE 'B', FIR INSULATION BY VALLEY GUTTERS, GUTTER CORE: 1.5mm THICK TROCAL SINGLE T.Y. MEMBRANE, COLOUR: LIGHT GREY.
NOTE - A MINIMUM 20 YEAR GUARANTEE IS TO BE PROVIDED TO ALL ROOFS INCLUDING ALL ANCILLARY PRODUCTS.

ROOF WALKWAY:
 KINGSPAN ANTI SLIP WALKWAY MEMBRANE (1.5mm THICK) LAID OVER 0.9mm GALVANISED STEEL PLATE WRAPPED IN FLEECE LAID OVER THE ROOF COVERING WITH PVC MEMBRANE STRIPS WELDED OVER WITH MINIMUM 40mm OVERLAPS AND 40mm WELDS.

PARAPET TRIMS:
 PPC CAP FLASHING TO PARAPET COLOUR RAL XXXX (BLUE), JOINTS TO MATCH GRIDLINES AS INDICATED AND FIXED WITH CONCEALED CLIPS AT MAX. 1000mm CENTRES TO SUPPORTING FRAME.

MANSAFE:
 ALL ROOFS TO RECEIVE LATCHWAY MANSAFE FALL ARREST SYSTEM TO INCORPORATE CONSTANT FORCE POST SUITABLE FOR ALL ROOF TYPES - ALL IN ACCORDANCE WITH SPECIALIST DESIGN AND DETAILS.

ROOF DRAINAGE:
 SYPHONIC DRAINAGE SYSTEM TO COMPLY WITH BS EN 12056 PART 3:2000 WITH A CATEGORY OF RISK OF 2 ALLOWING FOR A DESIGN LIFE OF THE BUILDING OF 25 YEARS AND A RAIN FALL INTENSITY OF 163.6mm PER HOUR ALLOW FOR FREE ISSUE OF OUTLETS TO ROOFING CONTRACTOR FOR FITTING INTO GUTTER.
 HOPE TAILPIPPES TO OUTLETS TO BE CONNECTED USING FLEXIBLE COUPLINGS - TAILPIPPES ARE TO BE CONNECTED TO HORIZONTAL HDPE COLLECTOR MAIN - ROUTING TO BE AGREED.
 EACH GUTTER IS TO BE DRAINED VIA THE PRIMARY SYSTEM WHICH IS TO DRAIN VIA DOWNPIPES.

OUTLETS ARE TO BE GALVANISED MILD STEEL TO BS EN 10025 S275 AND GALVANISED TO BS EN 1041.
 PIPEWORK TO BE HIGH DENSITY POLYETHYLENE (HDPE) PE80 SDR26.
 RAINWATER GOODS TO THE REAR OF THE STORE, CMA AND BACK OF HOUSE TO BE UPVC OR ALUMINIUM GRAVITY SYSTEM. RAINWATER FROM THE MAIN ROOF IS NOT TO BE DISCHARGED ACROSS THE BULK STORE ROOF DUE TO HEALTH AND SAFETY LEGISLATION AND THE POSSIBILITY OF FREEZING IN WINTER.

NOTE: BOTH THE SYPHONIC AND GRAVITY GUTTERS, INCLUDING THE OUTLETS / DOWNPIPES / WER OVERFLOWS, NUMBERS AND LOCATIONS ARE TO SPECIALIST DETAIL AND DESIGN AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
ROOFLIGHTS:
 THE 600mm x 600mm ROOFLIGHTS OVER THE SALES AREA ARE TO BE CONSTRUCTED AT A 4 DEGREE PITCH FROM MULTIWALL, UV PROTECTED STRUCTURED POLYCARBONATE SHEETS WITH A NON TRANSPARENT "HANO GEL" CORE, SUPPORTED BY AN ALUMINIUM FRAME AND TRIMS. THE CONTRACTOR IS TO ALSO PROVIDE ALL UPSTAND KERBS, MEMBRANES, FLASHINGS, SUPPORTING TRIMMERS, FRAMEWORK SUPPORTS AND AIR SEAL ARRANGEMENT.
 REFER TO TESCO DESIGN STANDARD DES2113.

ROOF VENTILATORS:
 4 No ROOF VENTILATORS TO BE INSTALLED AS OVER THE SALES FLOOR AS INDICATED, THE VENTS ARE APPROXIMATELY 3m x 1.8m x 3.5m HIGH - REFER TO SEPARATE TESCO DESIGN STANDARD FOR DETAILS.
 THE ROOF VENTILATORS OVER THE SALES AREA ARE TO BE COMPLETE WITH LOUVERS, GRILLES, MOTORISED VOLUME CONTROL DAMPERS, FANS, EGGCRETE GRILLES, AIR FILTERS, UPSTAND KERBS, FLASHINGS, SUPPORTING TRIMMERS, FRAMEWORK SUPPORTS AND AIR SEALS.

SOLAR TUBES:
 THE "SOLAR TUBES" INSTALLED OVER THE SALES AREA ARE TO BE 530mm² "SOLATUBES", COMPRISING OF:
 I. UV STABILISED POLYCARBONATE ROOF DOME WITH LIGHT TRACKER DOME REFLECTOR, A "SPECTRALIGHT INFINITY" TOP TUBE
 II. "SPECTRALIGHT INFINITY" EXTENSION TUBE
 III. CURVED PRISMATIC DIFFUSER COMPLETE WITH UPSTAND KERBS
 IV. FLASHINGS, SUPPORTING TRIMMERS / FRAMEWORK, AIR SEALS AND SEALANTS.
 NB: EXACT NUMBER AND LOCATION OF SOLAR TUBES TO BE CONFIRMED BY TESCO.

PLANT ROOF RACK:
 CONTRACTOR TO PROVIDE A "ROOF RACK" ABOVE THE ROOF LEVEL AS INDICATED, COMPRISING OF STEEL PEBBLES, STOODINGS, TRIMMERS, TRAM TRACKS AND CROSS BRACING ETC AS AGREED WITH TESCO / STRUCTURAL ENGINEERS DETAILS TO SUPPORT ROOF MOUNTED PLANT, EQUIPMENT, PLATFORMS AND LOUVERS TOGETHER WITH ALL UPSTANDS, CURBS AND WEATHERING DETAILS.
 NB: EXACT PLANT LOCATIONS AND REQUIREMENTS TO BE CONFIRMED BY TESCO.

ROOF PLANT ACOUSTIC SCREEN:
 ROOF MOUNTED PLANT TO HAVE A PERIMETER ACOUSTIC SCREEN INSTALLED BY SHELL CONTRACTOR IN ACCORDANCE WITH TESCO DESIGN STANDARD DES113 1.10 175.
 NB: HEIGHT TO BE DETERMINED BY ROOF PLANT HEIGHT.

Rev	Date	Description	Rev By	Chk'd By
D.	29.04.12	Roof vents and sun pipes removed.	SSL	GH
C.	02.05.12	Updated to align with Tesco / SSA comments.	SSL	GH
B.	13.04.12	Tender issue, roof vents reinstated, walkway added.	SSL	GH
A.	15.03.12	Sun pipes indicated, CMA roof updated.	SSL	GH

Project Title	PROPOSED RETAIL DEVELOPMENT		
	MARKET STREET WOMBELL ROAD HOYLAND		
Client	LITTON (HOYLAND) LIMITED		
Status	TENDER		
Scale	1:125	Drawing Size	A1
Drawn By	SSL	Checked By	GH
		Date	Jan'12
Drawing Title	PROPOSED ROOF PLAN		
Job Dwg No	10842 - 215	Rev	D

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ROOF PLAN - 1:125