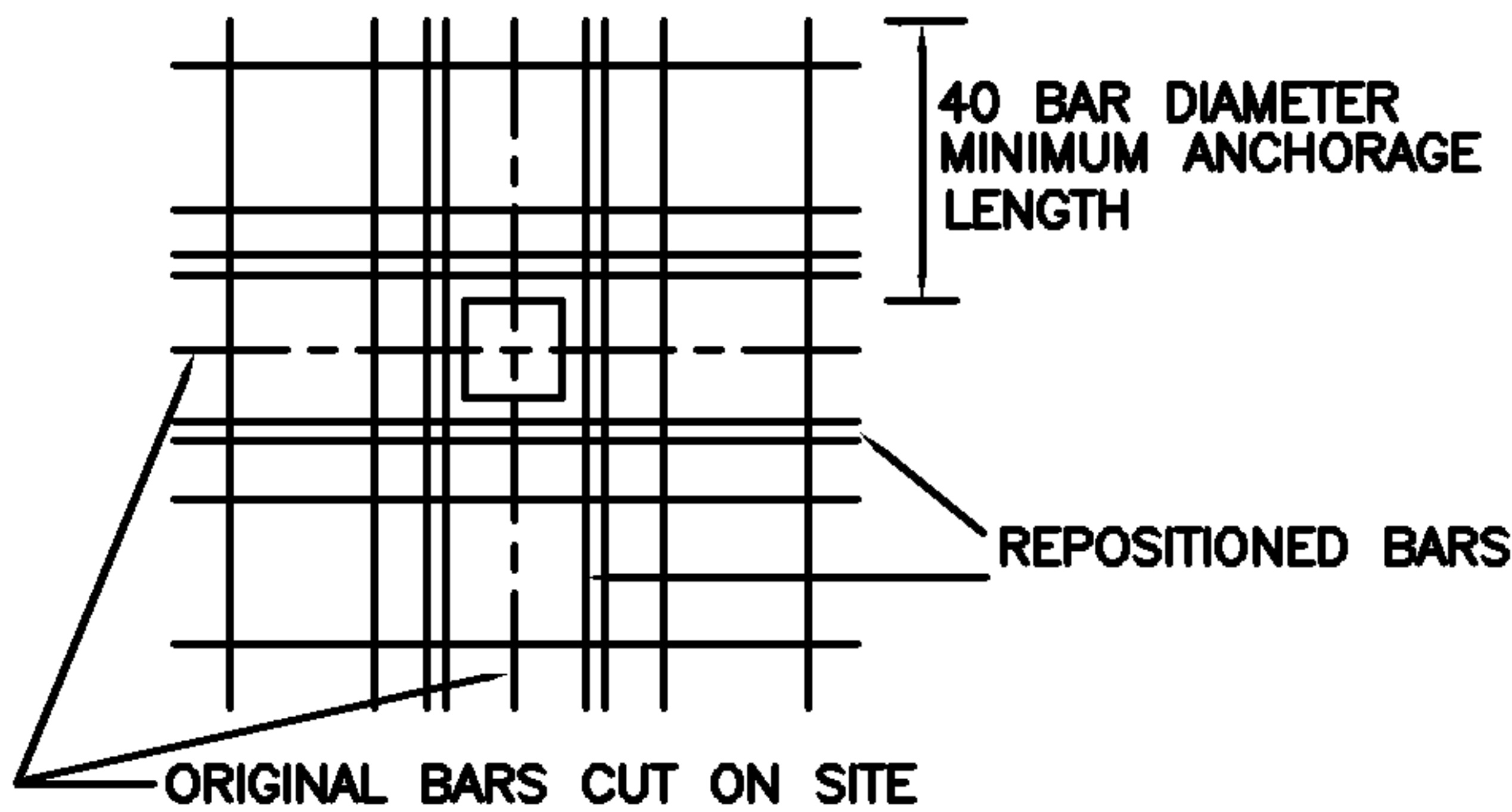


SMALL HOLES: – i.e. LESS THAN 200mm AT RIGHT ANGLES TO THE SHORTEST SPAN.

BARS PASSING THROUGH THE HOLE MUST BE CUT AS ILLUSTRATED

MINIMUM OF 2 TRIMMING BARS REQUIRED AS SHOWN ON BOTH NEAR FACE (NF) AND FAR FACE (FF). BAR DIAMETERS AND GRADE TO BE THE SAME AS BARS CUT ON N.F. AND F.F.

SKETCH X

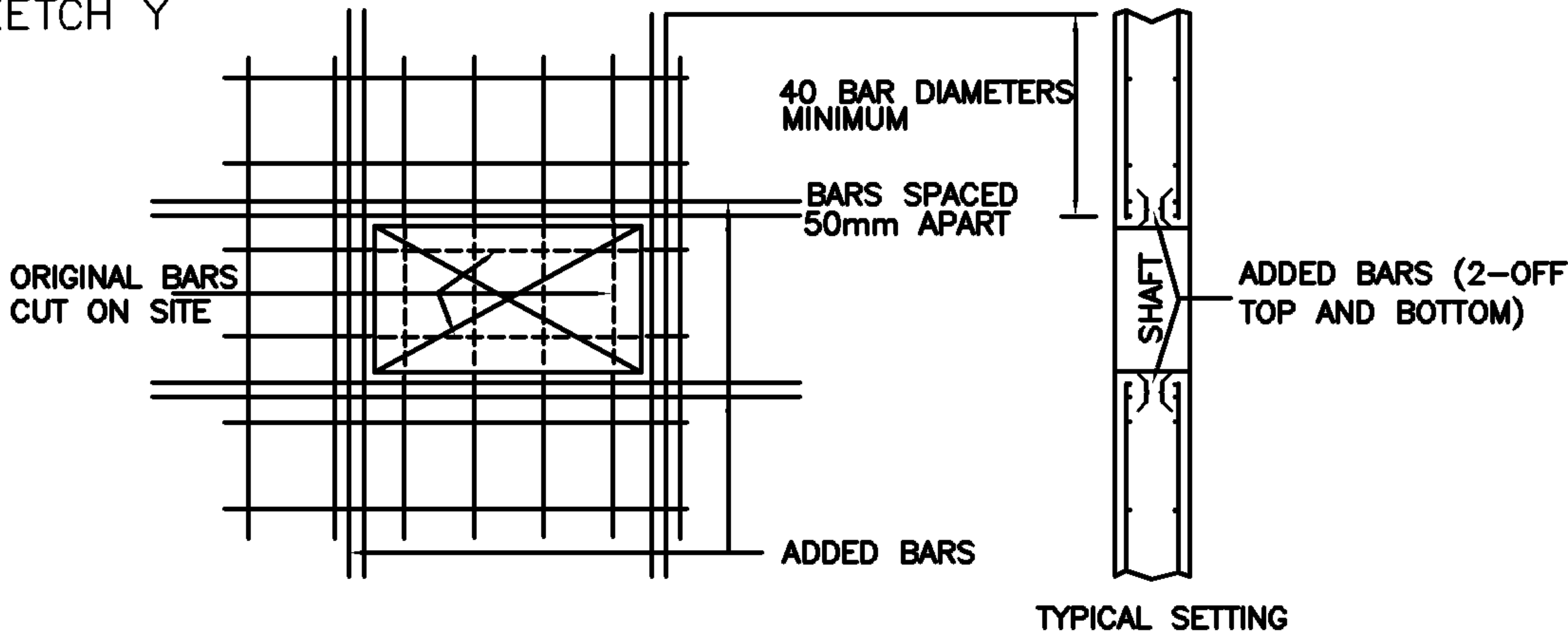


MEDIUM HOLES: – i.e. BETWEEN 200–500mm AT RIGHT ANGLES TO THE SHORTEST SPAN

BARS PASSING THROUGH THE HOLE MUST BE CUT AS ILLUSTRATED. BARS CUT TO ALLOW 40mm MINIMUM COVER.

BARS PASSING THROUGH THE HOLE ARE CUT AND TRIMMING BARS OF SAME DIAMETER ARE INSTALLED AT RIGHT ANGLES TO THEIR ORIGINAL DIRECTION e.g. IF 4 VERTICAL BARS (16mm DIA) CUT THEN 2 x 16mm DIA BARS PLACED HORIZONTALLY TOP AND BOTTOM. MINIMUM OF 2 TRIMMING BARS REQUIRED AS SHOWN ON BOTH NF AND FF.

SKETCH Y



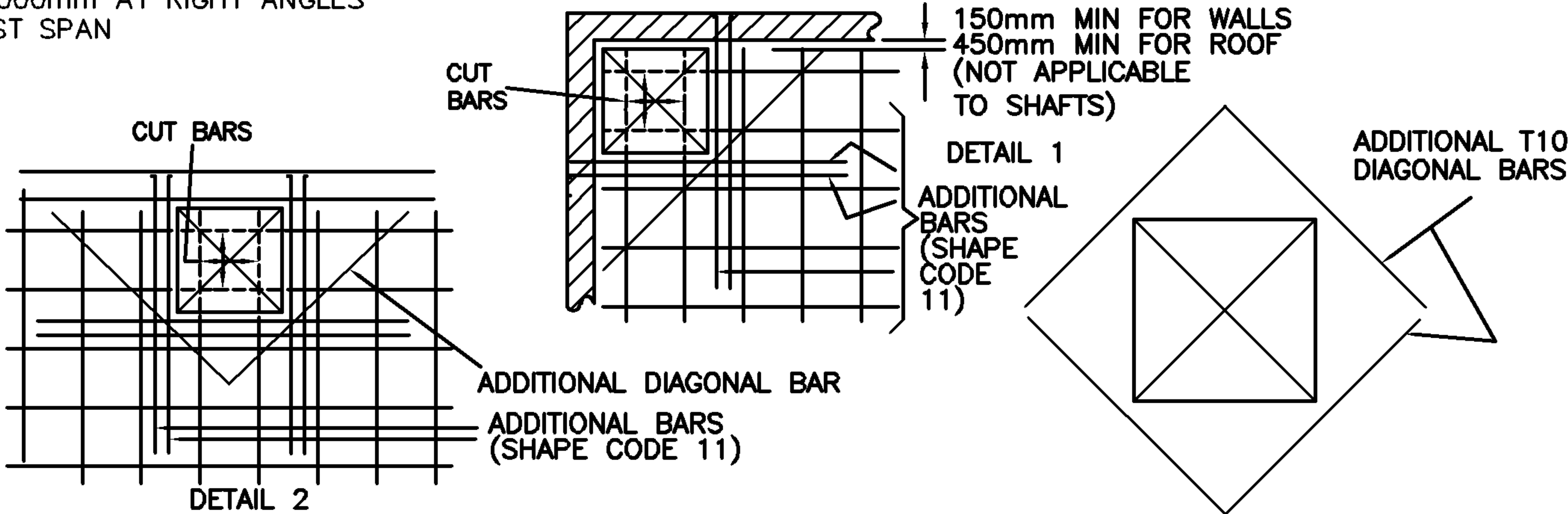
LARGE HOLES: – i.e. BETWEEN 500–1000mm AT RIGHT ANGLES TO THE SHORTEST SPAN

BARS ARE CUT AND ADDED AS FOR MEDIUM HOLES
DIAGONAL BARS (10mm DIA) MUST BE ADDED AT EACH CORNER NF AND FF

IF DUCT FACE IS LESS THAN 40 BAR DIA'S FROM ADJACENT WALL THEN 40 BAR DIA. ANCHORAGE LENGTH TAKEN INTO ADJACENT WALL OR ROOF. F1 & N1

DETAIL 1 AND 2 APPLY WHERE THE HOLE IS POSITIONED CLOSE TO ADJACENT WALLS OR ROOF.

SKETCH Z



NOTE: – WHERE AREA OF SINGLE HOLE IS GREATER THAN 1.0m² OR AREA OF OPENINGS (1 OR MORE) EXCEEDS 33% OF AVAILABLE WALL AREA, DETAIL REQUIREMENTS MUST BE REFERRED BACK TO NPA 1.8

DIMENSIONS IN mm UNLESS OTHERWISE STATED © British Telecommunications plc 2007 DO NOT SCALE ORIGINAL SCALE

A2 A3	DRN G.D. CKD M.E.COX	MATERIAL	OMS Drawing Review Drawing number amended to 01 of 01		E	TOLERANCES UNLESS OTHERWISE STATED TO BE ±4	HOLE REINFORCEMENT DETAILS FOR MRX MANHOLES		REFERENCES
	CERTIFICATION DESIGNER P.J.KING CLIENT	FINISH							
	DATE JUNE 1988		BT	OMS	14.10.15	ISSUE	Openreach	CN 13916	SHT 01 OF 01
			AMENDMENT						