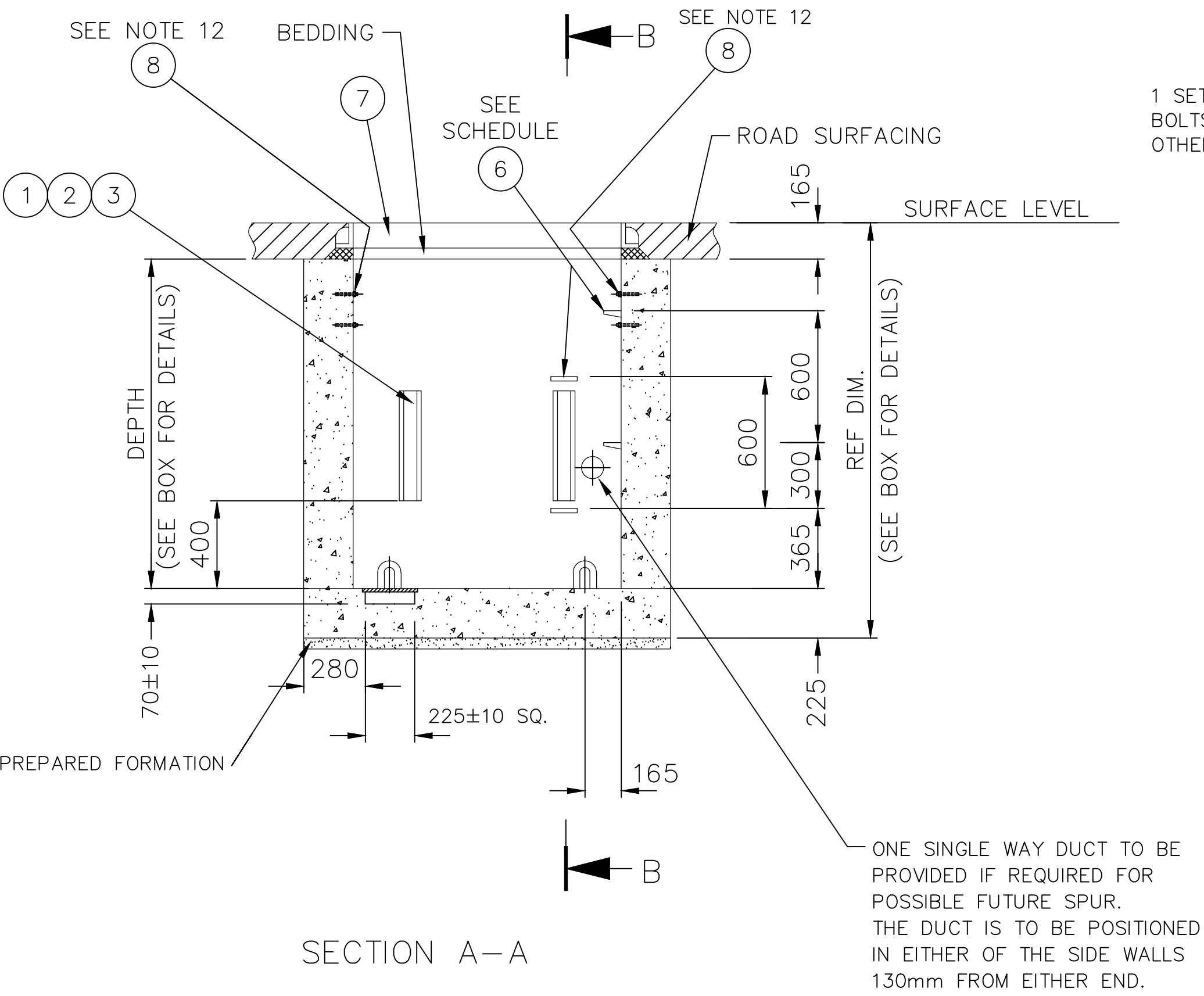


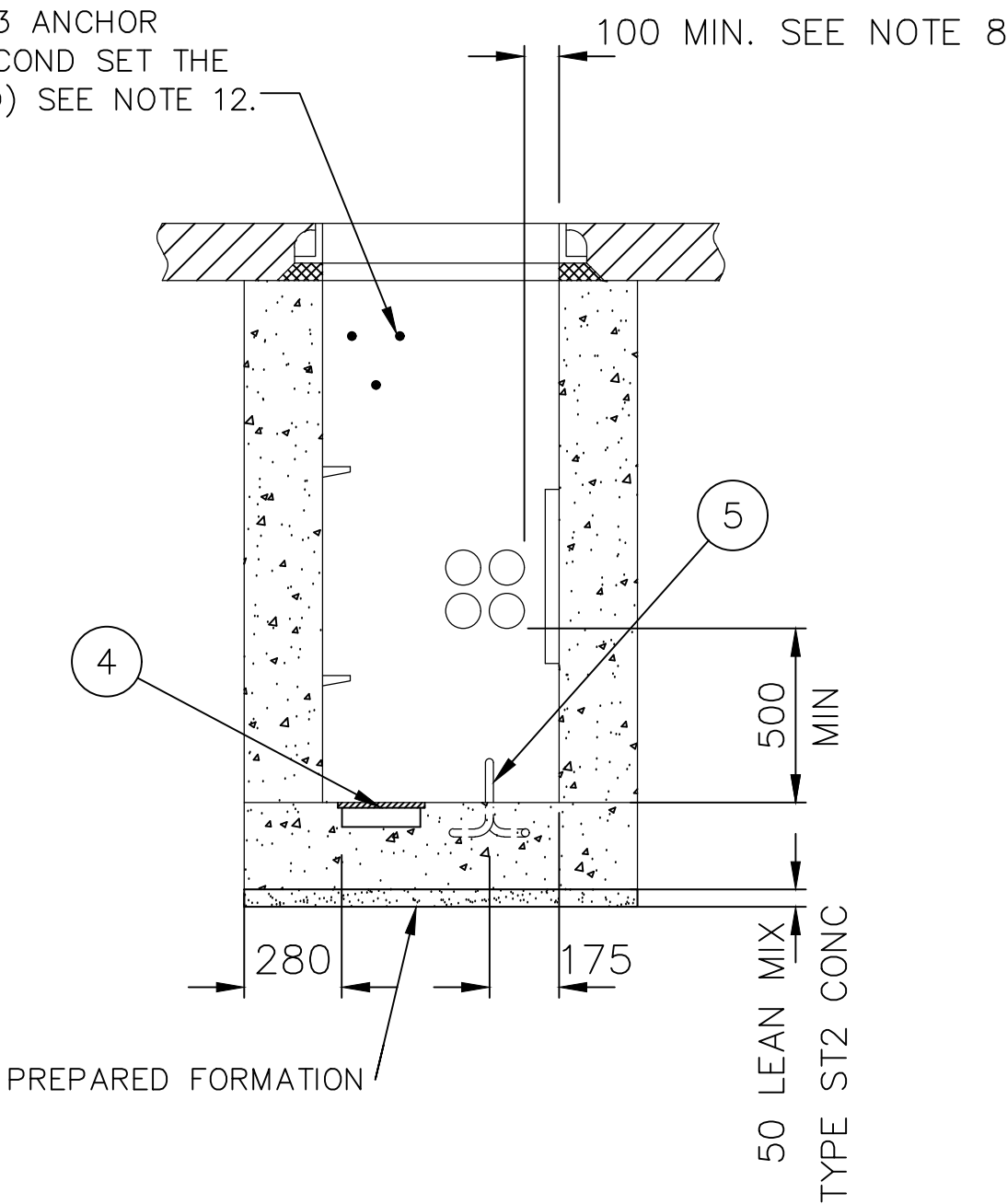
JOINT BOX DEPTH VARIATION			
TYPE	DEPTH	REF DIM.	No. OF DUCTS
A	1050	1440	4
B	1200	1590	4
C	1350	1740	4
D	1500	1890	4

DUCT DEPTHS OF COVER – (DoC)	
MINIMUM DoC TO BE IN ACCORDANCE WITH CURRENT LN 550 SPEC.N AND INDUSTRY STANDARD GUIDELINES AND APPROVED BEST PRACTICES: –	
FOOTWAY (F/W)	250mm (MIN)
CARRIAGEWAY (C/W)	450mm (MIN) **
** SUBJECT TO DUCTS BEING INSTALLED BELOW DEPTH OF STRUCTURAL BUILD UP FOR C/W CONSTRUCTION FOR RELEVANT C/W CATEGORY.	

SCHEDULE						
ITEM	DESCRIPTION	DRAWING	QTY			
			JRCX12A	JRCX12B	JRCX12C	JRCX12D
1	BOLT FOUNDATION INDENTED No.2	CN1166	4	4	4	4
2	CABLE BEARER WALL TYPE No.3	CN1061	2	2	2	2
3	BRACKET CABLE BEARER No.12	CN1069	2	2	2	2
4	GRATING SUMP No.2A	CN9165	1	1	1	1
5	IRON ANCHOR No.4	CN1162	2	2	2	2
6	STEPS MANHOLE No.1	CN1168	3	3	4	4
7	FRAME & COVER CARRIAGEWAY No.2	CN1950/ CN13890	1	1	1	1
8	M12 X 100 LG. THROUGH BOLT RAWPLUG ITEM NO. 56–840 OR EQUIV. SEE NOTE 12.	–	6	6	6	6
9	PINS LOCKING	CN1301	3	3	3	3



1 SET OF 3 ANCHOR BOLTS (SECOND SET THE OTHER END) SEE NOTE 12.



- NOTES
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, DOCUMENTATION AND SPECIFICATIONS RELATING TO THIS JOINTBOX TYPE CONSTRUCTION.
 - WORKMANSHIP, MATERIALS AND METHOD OF CONSTRUCTION ARE TO COMPLY WITH ALL CURRENT RELEVANT CONTRACT DOCUMENTS, BRITISH STANDARDS, EUROCODES AND CODES OF PRACTICE (RELEVANT TO THE CONSTRUCTION INDUSTRY) AND ACCEPTED CONSTRUCTION PRACTICE.
 - ALL EXISTING SERVICES POSITIONS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR PRIOR TO STARTING THE WORKS.
 - ALL ACCEPTED SAFE DIGGING PRACTICES AND SAFE METHODS OF WORKING ARE TO BE EMPLOYED DURING THE INSTALLATION OF THE JOINTBOX.
 - CONCRETE TO BE GRADE C35/45 WITH A WATER CEMENT RATIO 0.4. MIN. CEMENT CONTENT 380kg/m³. AGGREGATE MAX. SIZE 20mm. ALL IN ACCORDANCE WITH BS8500 (BS EN206).
 - ALL DUCTS SHOWN ARE BASED ON MAXIMUM RECOMMENDED VALUES FOR DUCT TYPE 54D.
 - END DUCTS TO BE IN LINE.
 - WHERE POSSIBLE DUCTS TO BE POSITIONED NOT LESS THAN 75mm FROM A SIDE WALL.
 - MINIMUM REQUIRED DUCTS SHOWN SOLID FOR EACH JOINTBOX VARIATION.
 - SHORT LENGTHS OF DUCTS 54D TO BE USED ON NON-DUCTED ROUTES, APPROPRIATE DUCT TO BE USED ON DUCTED ROUTES.
 - ITEMS 1&2 ARE SHOWN IN TYPICAL POSITIONS, THEY MAY BE REPOSITIONED OR INCREASED TO SUIT LOCAL CONDITIONS.
 - DRILL 2 SET OF 3 HOLES USING A 12mm MASONRY DRILL BIT TO A DEPTH OF 80mm FOR POSSIBLE FUTURE FITTING OF MOBRA BRACKET, SEE DRAWING CN15562 FOR DRILLING DETAILS.
 - THIS JOINT BOX HAS BEEN DESIGNED FOR THE GREATER HEIGHT JRCX12D. WHERE JRCX12A, 12B OR 12C ARE TO BE USED SEE SHEET 2 AND 3 FOR VARIATIONS TO REINFORCEMENT.
 - STEP MANHOLE TO BE FITTED IN ALL BOXES DEEPER THAN 700mm. THE STEP TO BE PROVIDED IN THE POSITION SHOWN ON THE END WALL REMOTE FROM ANY SIDE ENTRY DUCT.
 - FOR METHOD OF FIXING ITEM 7 SEE DRAWING CN1961.
 - SEE SHEET 02 OF 02 FOR REINFORCEMENT DETAILS AND NOTES.
 - ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SHW) AND ALL SUBSEQUENT AMENDMENTS.
 - ALL BACKFILL MATERIAL IS TO BE CLASS 6N TYPE.
 - ALL CONSTRUCTION JOINTS TO BE AS PER CLAUSE 1710 SHW.

TOLERANCES: – CN15456
ANCHOR IRON POSITION ±50mm TOP OF DEPTH PLATE ±4mm
BEDDING MATERIAL ±5
VOIDAGE 0.5%
WALL FLATNESS ±11mm
F & C LEVEL WITH HIGHWAY NIL F & C ROCKING NIL F & C SURROUND IN UNMADE ±5mm F & C UNSUPPORTED OVER BOX +5mm
CHAMBER INTERNAL LENGTH & WIDTH ±25mm
CHAMBER INTERNAL HEIGHT ±15mm
STEEL BARS ALIGNMENT VERT & HORIZ ±15mm NEAR FACE TO FAR FACE ±15mm
STEEL CAGE GRID PATTERN ±10mm
STEEL DEPTH OF COVER ±5mm
STEEL DEPTH TO LUG ±5mm STEP POSITION ±15mm STEP HORIZONTAL ±5mm
SUMP POSITION ±25mm SUMP DEPTH ±10mm ROUND SUMP 230ø ±5mm
VERTICALITY OF WALLS ±15mm
SLAB THICKNESS –10 TO +150mm

DIMENSIONS IN mm UNLESS OTHERWISE STATED

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DO NOT SCALE

ORIGINAL SCALE 1:20

A1 A2	DRN D.FRANCIS CKD M.E.COX	ANY MODIFICATION TO THE DRAWING OR THE USE OF ALTERNATIVE ITEMS TO THOSE SPECIFIED <u>MUST</u> BE AGREED WITH THE DESIGNER.	MATERIAL —	General Drawing Review Item 9 added to schedule. Note added re minimum duct depths.	J	JOINT BOX JRCX12A, JRCX12B, JRCX12C AND JRCX12D		REFERENCES SEE NOTES D1000 BS8500, BS EN206 CN15562	
	CERTIFICATION DESIGNER K.G.STANLEY								
	CLIENT N/A								
DATE 02/09/88			BT	T&S Design 12.07.19		ALA944		CN 14160	SHT 01 OF 03
			AMENDMENT	ISSUE	Openreach				

CN14160S01