ESE DRAWINGS HAVE BEEN PRODUCED BASED ON DATED 05/12/2015.								
	05/04/11	28/10/11	28/06/12	22/02/16	28/09/17	11/10/17		
DATE OF ISSUE	05	78	28,	22,	28,	=		
DRAWING PACKAGE VERSION	1 1	2	_l 3	L 4	5	1 6 1		İ
GENERAL DRAWINGS								
				01	۸2	۸۵		
G1 SITE AND LOCALITY PLANS G2 SITE SETOUT PLAN		 02		01	02	1 03 1 1 05 1		
G3 SITE ELEVATION		1 02 1 02	02 02	_I 03	04	1 05 L		
G4 ANTENNA CONFIGURATION & ANCILLARIES TABLE	01	1 02 1 01	1 01	ı 02	1 03	1 04 1		
G5 SITE SPECIFICATION	<u> -</u> 01	1 02	1 03	1 04 1 04	1 02	ı 06 ı		
d5 SITE SI ECITICATION		02	_ 05	04	00	1 00 1		
STRUCTURAL DRAWINGS								
S1 PANEL ANTENNAS MOUNTING DETAIL (CELL 2)	_L 01		<u> </u>			<u> - </u>	1	1
S2 MOUNTING POLE DETAIL - SHEET 1 OF 2				_L 01	02	_ 03 __		
S3 MOUNTING POLE DETAIL - SHEET 2 OF 2				_L 01	₁ 02	l 03 l		
S4 RRU MOUNTING DETAIL			<u> </u>	01	02	l 03 l		
S5 ANTENNA MOUNTING DETAIL				_		<u> 01 </u>		
ELECTRICAL DRAWINGS EO ELECTRICAL INSTALLATION NOTES	ı -	<u> -</u>	<u> </u>	01	02	03	ı	ı
FITOUT ROOM DRAWINGS								
F1 EQUIPMENT CABIN LAYOUT	_L 01		02	_L 03	04	05		1
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		<u> </u>	1					
RADHAZ / EXCLUSION ZONE DRAWING								
RF1 RF SCHEMATIC DIAGRAM				ı 01	. 02	ı 03 ı		
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TRANSMISSION DRAWINGS	I	1		l	1	1 1		
TRANSPILSSION BRAWINGS	•							
REFERENCE DRAWINGS								
STD-N001 STANDARD CONSTRUCTION NOTES - SHEET 1	_L 05	_L 05	_L 05	_l 08	_L 10	l 10 l	1	1
STD-N002 STANDARD CONSTRUCTION NOTES - SHEET 2	₁ 04	04	04	_l 06	_I 06	1 06 ₁		1
STD-S604 SITE SIGNAGE	4	<u> 4</u>	<u> 4</u>	_L 6	_L 6	<u> 6</u>		
		L	1	<u> </u>				
		<u> </u>	1	<u> </u>	1	1 1		
DISTRIBUTION LIST								
	4		4	4	4	4		
VODDIA	1	1 1	1 1	1	11	1 1		
KORDIA	11	1 1				1 - 1	1	
ERICSSON			1			-		



VODAFONE AREA PM:	
DATE:SIGN:	
VODAFONE RF ENGINEER:	
DATE:SIGN:	

JOINT VENTURE NO JB9300 VODAFONE SITE 4361 NOOSA 2

14-16 HASTINGS STREET NOOSA HEADS QLD 4567



SECTORISATION

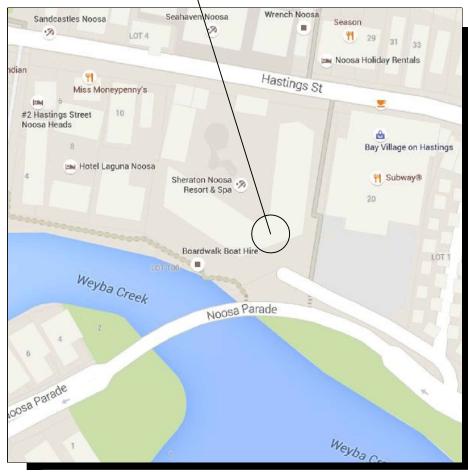
FOR CONSTRUCTION

DRAWING NO.

4361-00



- VODAFONE SITE 4361

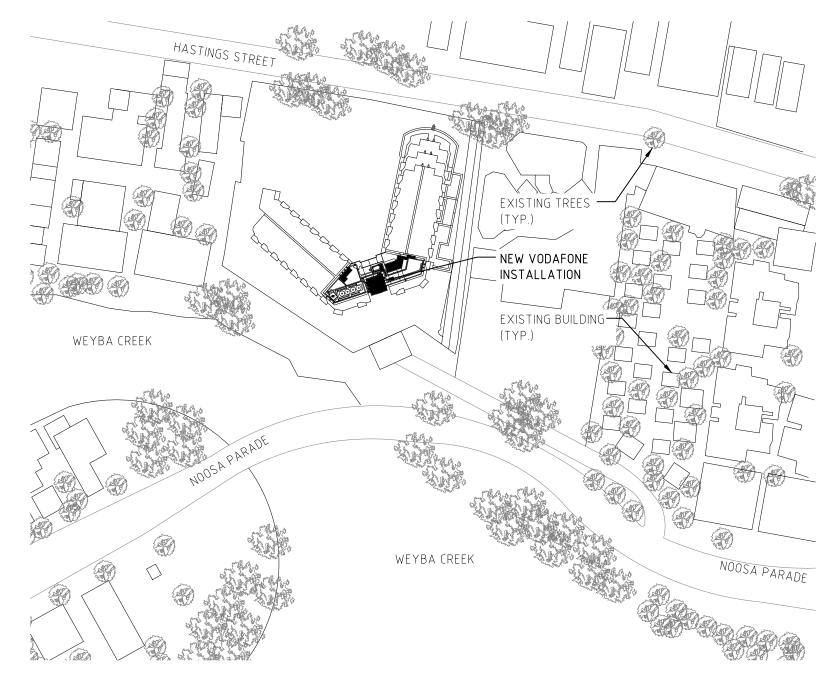


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SITE LOCALITY PLAN

NOT TO SCALE

RFNSA NUMBER: 4567002						
CARRIER	SITE NAME	SITE ID				
VODAFONE	NOOSA 2	4361				
OPTUS	NOOSA SPIT	B0396				
VODAFONE/OPTUS J/V	NOOSA SPIT-O	JB9300				
TELSTRA	NOOSA HASTINGS ST	55443				



SITE ACCESS

SCALE 1:1500

							1
03 02 01	11.10.17 27.09.17 22.02.16		HIGHFORCE HIGHFORCE SSMC		NJS NJS RG	CT CT CT	
REV	DATE	REVISION DESCRIPTION	VENDOR	DRAWN	DESIGNED	APPRD	

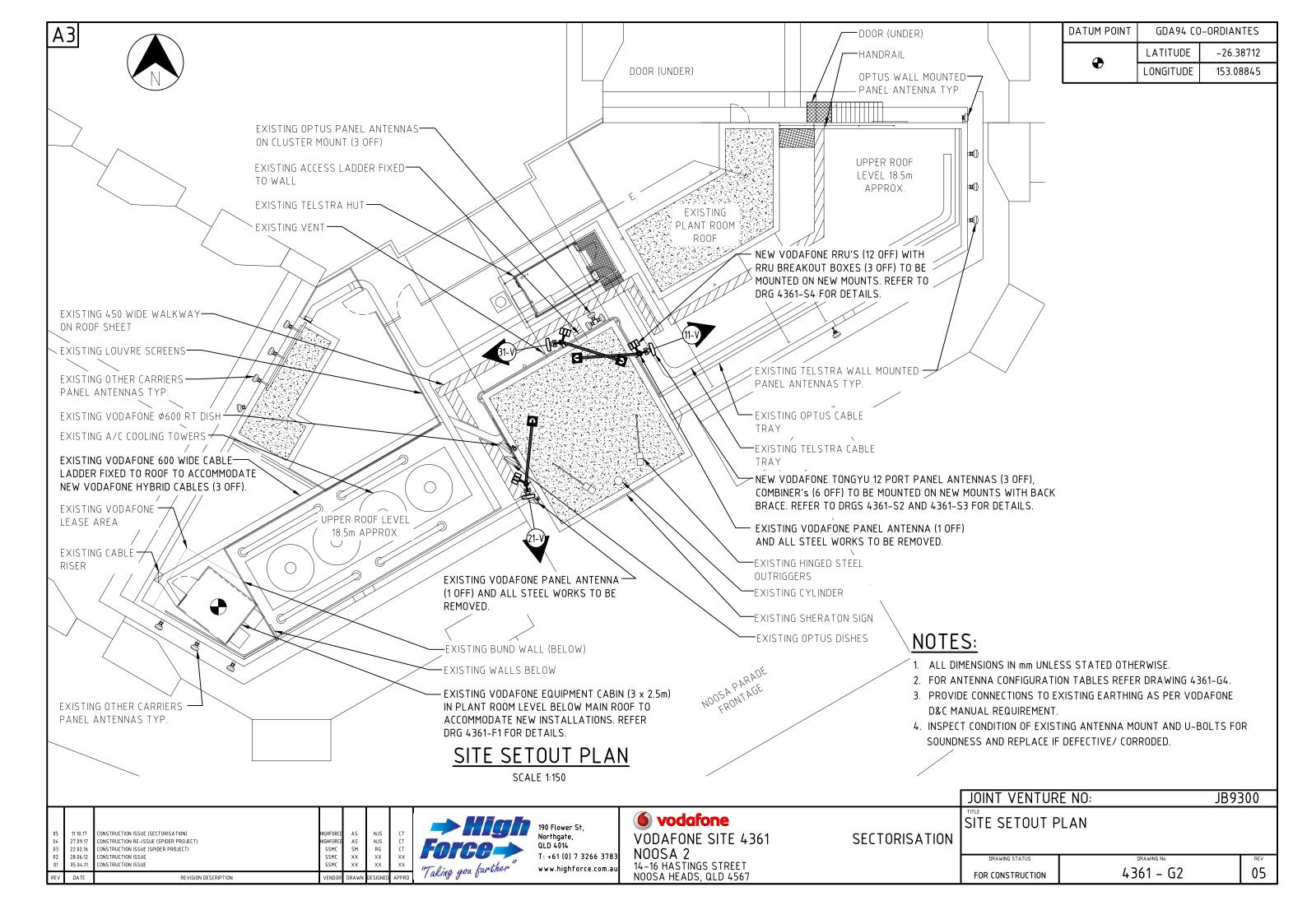


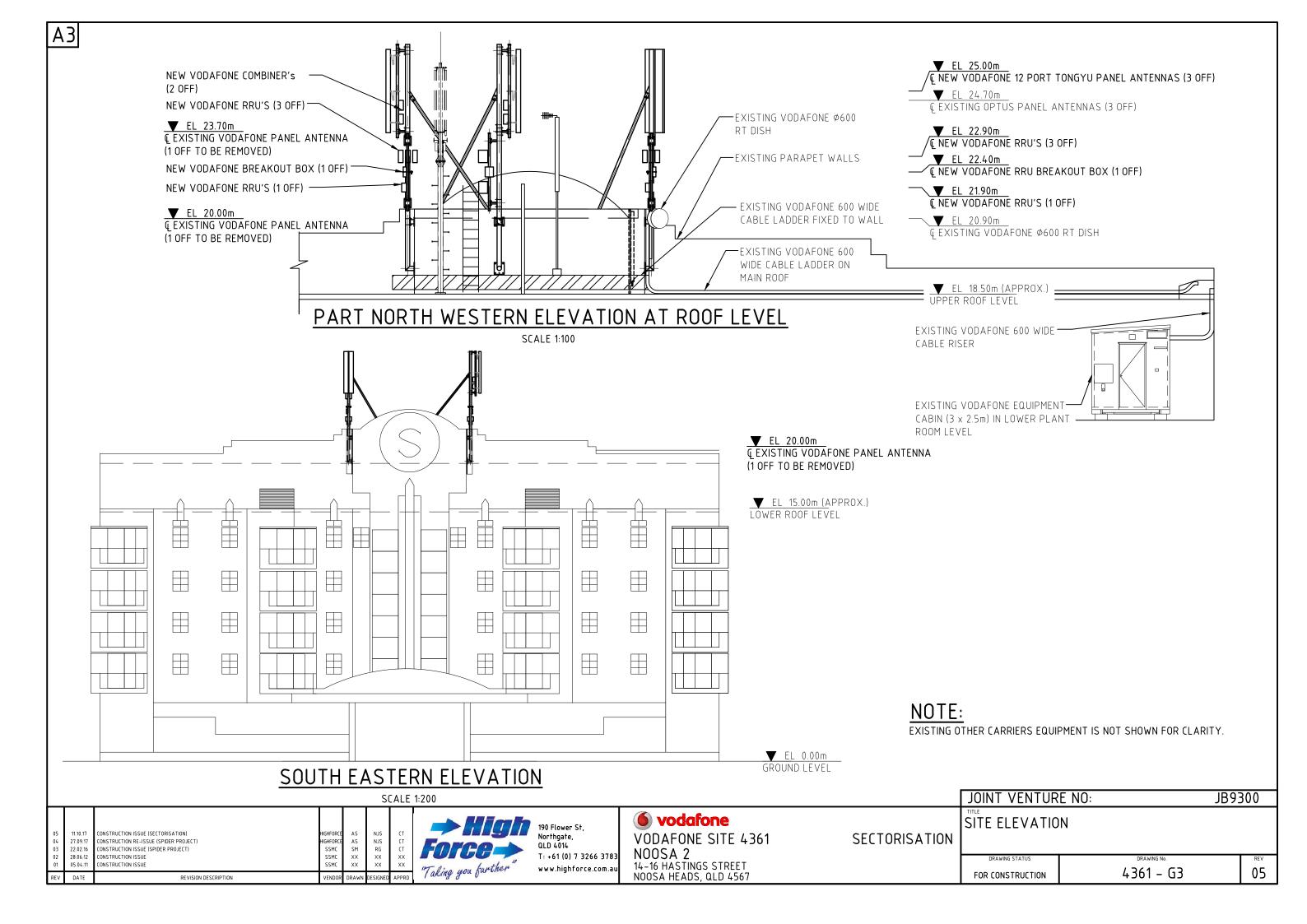
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6 vod	afone
V0DAF0	NE SITE 4361
NOOSA 2	2
14-16 HAST	INGS STREET
NOOSA HEA	DS 01D 4567

SECTORISATION

JOINT VENTUR	E NO: JB93	<u> 300</u>
SITE AND LOCA	LITY PLANS	
DRAWING STATUS	DRAWING No.	REV
FOR CONSTRUCTION	4361 – G1	03





A3					ANT	ENN	A CC	NFIG	JRAT	ION 7	ΓABL	E								
				(11-				21-V				31-V)								
-	SECTOR No.			1					2						3					
	AZIMUTH			70	0					170	0					260	•			
	HEIGHT AT JCL ANTENNA			25.0	0m					25.00)m					25.00	m			
l ∢ [ANTENNA TYPE		TONGYU TQBM-D609017/Q172717DER-65FT2						TONGYU TQBM-D609017/Q172717DER-65FT2					TQBM-D6	TONG` 09017/Q17		-65FT2			
N N	DIMENSIONS (L \times W \times D)		2680 x 500 x 158						2	.680 x 50	0 x 158				2	680 x 50	0 x 158			AL AL
ANTENNA	STATUS		NEW							NEV	٧					NEW	I			TOTAL
4	OPERATOR		VODAFONE							VODAF	ONE					VODAF	ONE			
	TECHNOLOGY	L/U	L/U	L/U	L/U	L/U	L/U	L/U	L/U	L/U	L/U	L/U	L/U	L/U	L/U	L/U	L/U	L/U	L/U	
	BAND (MHz)	850/900	850/900	1800/2100	1809/2100	1800/2100	1800/2100	850/900	850/900	1800/2100	1800/2100	1800/2100	1800/2100	850/900	850/900	1800/2100	1800/2100	1800/2100	1800/2100	
	PORTS	1&2	3&4	5&6	7&8	9&10	11&12	1&2	3&4	5&6	7&8	9&10	11&12	1&2	3&4	5&6	7&8	9&10	11&12	
	ELECTRICAL TILT	2°	2°	2°	2°	2°	2°	2°	2°	2°	2°	2°	2°	2°	2°	2°	2°	2°	2°	
	MECHANICAL TILT			-	•					-						_				
S	MHA																			
ANCILLARIE	RRU	1	1		2	•		1 1 2			1 1 2						12			
T	RET			YE	S			YES				YES								
	COMBINER		2						2				2						6	
₹	FIBRE BREAKOUT BOX			1						1						1				3
S	FEEDER TYPE																			
ER	FEEDER LENGTH																			
EEDER!	QUANTITY																			
	STATUS																			
	FIBRE TYPE		HCA	4-1008-20	0S-030-V	A			HCA	-1008-20	S-030-V	A			НСА	-1008-20	S-030-V	Δ		
R	FIBRE LENGTH			301	m					30г	n					30m				
FIBRE	QUANTITY			1						1						1				3
	STATUS			NE	W					NEV	V					NEW	1			

	7	TRANSMISSI	ON LIN	KS – I	PARABOL	LIC ANTE	NNAS	SCHEDULI	E
TAG	STATUS	LINK SITE NAME	SITE No.	AZIMUTH	ELEVATION	DIAMETER	MODEL	FEEDER TYPE	FEEDER LENGTH
Α	EXISTING	TBC	TBC	EXISTING	20.90m	Ø600mm	TBC	TBC	TGC

NOTES:

- 1. INFORMATION IN THE TABLES SUPPLIED AND VERIFIED BY VODAFONE.
- 2. FEEDER LENGTHS ARE ESTIMATED, ROUNDED UP TO THE NEXT 5m.
- 3. REFER TO DRG 4361-G2 FOR M.G.A. NORTH.
- 4. FOR CLARIFICATION ON FEEDER DETAILS THROUGHOUT ROUTE REFER TO DRG 4361-G2.

04 03 02 01	11.10.17 27.09.17 22.02.16 28.06.12	CONSTRUCTION ISSUE (SECTORISATION) CONSTRUCTION RE-ISSUE (SPIDER PROJECT) CONSTRUCTION ISSUE (SPIDER PROJECT) CONSTRUCTION ISSUE	HIGHFORCE HIGHFORCE SSMC SSMC		NJS NJS RG XX	CT CT CT XX	176
REV	DATE	REVISION DESCRIPTION	VENDOR	DRAWN	DESIGNED	APPRD	



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o vodafone **VODAFONE SITE 4361** NOOSA 2 14-16 HASTINGS STREET NOOSA HEADS, QLD 4567

	ANCILLARY EQUIPMENT							
PART	MODEL NO.	WEIGHT (kg)	QUANTITY					
RRU	RRU3952	400 x 300 x 170	15	3				
RRU	RRU3953	400 x 300 x 170	15	3				
RRU	RRU3962	300 x 250 x 162	15	6				
FBOB	TB-1008-20S-15-VA	283 x 414 x 163	6	3				
COMBINER	E11F03P18	ТВС	ТВС	6				

	JOINT VENTUR	JB93	00	
SECTORISATION	ANTENNA CONF ANCILLARIES T	FIGURATION AND ABLE		
	DRAWING STATUS	DRAWING No.		REV
	FOR CONSTRUCTION	4361 – G4		04

SITE INFORMATION

1. GENERAL

THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS SET OUT IN THE SITE SPECIFIC NOTES BELOW, THE "VODAFONE DESIGN AND CONSTRUCTION MANUAL" AND VODAFONE STANDARD DRAWINGS STD-N001 AND STD-N002.

2. SITE HAZARDS

THE FOLLOWING HAZARDS WERE IDENTIFIED IN THE WORKING AREA:-

- OPERATING ANTENNAS.
- ELECTRICAL CABLING.
- SLIPS, TRIPS AND FALLS.
- RF RADIATION.
- WEATHER / LIGHTNING.
- SUN EXPOSURE AND PPE.

PARTIES WHO ACCESS THIS SITE MUST COMPLETE THEIR OWN HAZARD IDENTIFICATION, RISK ASSESSMENT AND THE ABOVE LIST DOES NOT ALLEVIATE THIS RESPONSIBILITY.

3. LOCATION AND PARKING

MAP REFERENCE UBD 2007 BRISBANE GOLD COAST & SUNSHINE COAST STREET DIRECTORY (51ST EDITION)

MAP PAGE......9 (SUNSHINE COAST SECTION)

MAP GRID REFERENCE....... 11

SITE PARKING WILL BE PROVIDED IN THE BUILDINGS ALLOCATED PARKING AREA AT THE DISCRETION OF THE LANDLORD.

4. ACCESS DETAILS WITHIN PROPERTY

24HRS RING MAIN SWITCH ON 07 5449 4888. DURING BUSINESS HOURS, CONTACT THE MAINTENANCE ENGINEER AT THE ENGINEERING WORKSHOP VIA THE LOADING DOCK ENTRANCE ON THE RIGHT HAND SIDE OF THE HOTEL ENTRANCE.

5. ANTENNA ACCESS

ANTENNA SERVICE ACCESS IS VIA STEP-PEGS AND "LAD-SAF' BY QUALIFIED RIGGER ONLY FOR CELL 1 AND BY EWP FOR CELL 2.

6. TRANSMISSION PATH

TRANSMISSION LINK VIA EXISTING Ø600 TRANSMISSION DISH (1 OFF). REFER DRG 4361-G2 FOR DETAILS.

7. SIGNAGE

UNLESS NOTED OTHERWISE ON THE DRAWINGS, PROVIDE SIGNAGE AS REQUIRED PER MCF PREFERRED SITE SIGNAGE. REFER TO DRG STD-S604.

8. STRUCTURAL ADEQUACY OF EQUIPMENT CABIN FLOOR

THE STRUCTURAL ADEQUACY OF EQUIPMENT CABIN FLOOR HAS BEEN CHECKED AND STRENGTHENING IS NOT REQUIRED.

9. STRUCTURAL ADEQUACY OF HOST BUILDING

THE STRUCTURAL ADEQUACY OF THE PLANT ROOM FLOOR HAS BEEN CHECKED AND STRENGTHENING IS NOT REQUIRED.

OH & S INFORMATION

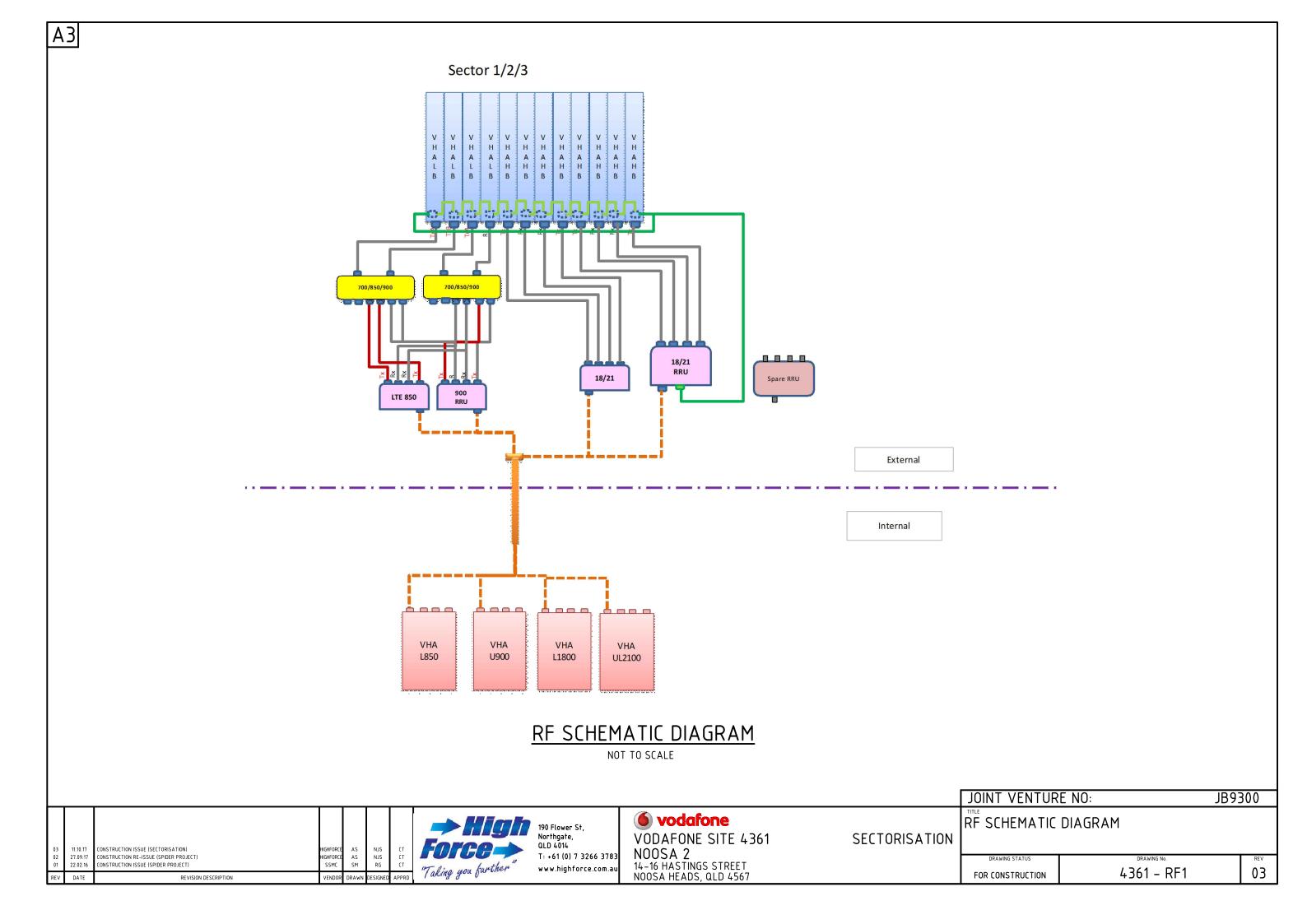
ANTENNA ACCESS, SIGNAGE AND OTHER OH & S WORKS SHALL COMPLY WITH VODAFONE'S OCCUPATIONAL HEALTH AND SAFETY MANUAL.

SITE CONSTRUCTION

COMPOUND (AND COMPOUND EMBANKMENT) (AND ACCESS ROAD) CONSTRUCTION SHALL BE PER 'INTERIM VODAFONE INSTALLATION FOR BUILDING WORKS' AND STANDARD DRAWINGS STD-S600 (AND STD-S700).

WIND ACTION DESIGN CRITERIA					
REGION TERRAIN CATEGORY (T _c) REGIONAL WIND SPEED (V _R)	B 2.5 57 m/s				
SHIELDING MULTIPLIER (M _s) TOPOGRAPHIC MULTIPLIER (M _f)	1.0 1.0				
TOPOGRAPHIC MULTIPLIER (M _f) WIND DIRECTION MULTIPLIER (M _d)	1.0 1.0				

											JOINT VENTUR	E NO:	JB9300
05 04 03	27.09.17 22.02.16 28.06.12	CONSTRUCTION ISSUE (SECTORISATION) CONSTRUCTION RE-ISSUE (SPIDER PROJECT) CONSTRUCTION ISSUE (SPIDER PROJECT) CONSTRUCTION ISSUE	HIGHFORCE HIGHFORCE SSMC SSMC	AS	NJS NJS RG XX	CT CT CT XX	→ High Force →	Northgate, QLD 4014	vodafone VODAFONE SITE 4361 NOOSA 2	SECTORISATION	SITE SPECIFICA	TION	
		CONSTRUCTION ISSUE	SSMC	XX	XX	XX	"	T: +61 (0) 7 3266 3783			DRAWING STATUS	DRAWING No.	REV
REV	05.04.11 DATE	CONSTRUCTION ISSUE REVISION DESCRIPTION	SSMC VENDOR			APPRD	Taking you further	www.highforce.com.au	14-16 HASTINGS STREET NOOSA HEADS, QLD 4567		FOR CONSTRUCTION	4361 – G5	06



ELECTRICAL INSTALLATION

1. GENERAL

ALL WORKS ARE TO BE IN ACCORDANCE WITH SECTION 12.9 OF THE VODAFONE RAN DESIGN AND CONSTRUCTION SPECIFICATIONS AND SPIDER DESIGN AND DEPLOYMENT GUIDELINES

2. AC SUPPLY TO CABIN

BASED ON AVAILABLE INFORMATION (PHOTOS, FEASIBILITY REPORT AND AS BUILT DRAWINGS) THE EXISTING ELECTRICAL SUPPLY ARRANGEMENT TO THE SHELTER HAS BEEN ASSESSED AND IS EXPECTED TO BE SUFFICIENT TO SUPPORT THE PROPOSED CHANGES DETAILED IN THE FEASIBILITY REPORT CURRENT AT THE TIME OF REVIEW.

ELECTRICAL CONTRACTOR IS TO ENSURE ALL CABLING AND PROTECTIVE DEVICES ARE SUITABLE (VOLT DROP AND CURRENT CAPACITY).

ELECTRICAL CONTRACTOR IS TO REPLACE CABLING AND PROTECTIVE DEVICES AS NECESSARY. REUSE EXISTING CABLE ROUTE AND INSTALLATION METHODS WHERE POSSIBLE AND INSTALL NEW WHERE REQUIRED.

3. DC POWER SYSTEM

THREE NEW ELTEK FLATPACK 2 RECTIFIER MODULES SHALL BE INSTALLED IN THE EXISTING ELTEK FLATPACK 2 PSU TO MAKE A TOTAL OF SIX RECTIFIER MODULES.

EXISTING 12 FIT 100 BATTERY STRINGS (3-OFF) SHALL BE REPLACED WITH THE NEW PLH 100 FT BATTERY STRINGS (5-OFF) IN THE ELTEK FP2 PSU RACK AND NEW ELTEK BATTERY EXTENSION RACK.

PROVIDE AND INSTALL DC CABLING AND CABLE MANAGEMENT SYSTEMS AS DETAILED IN VODAFONE SITE ENGINEERING GUIDELINES 5.2.2 AND SPIDER DESIGN AND DEPLOYMENT GUIDELINES.

4. AIR CONDITIONING

EXISTING AIR CONDITIONING UNITS DO NOT REQUIRE UPGRADING.

5.DISTRIBUTION BOARD

EXISTING AC DISTRIBUTION BOARDS DO NOT REQUIRE UPGRADING.

6. EARTHING

ALL NEW EQUIPMENT AND FEEDER CABLING SHOULD BE BONDED TO EXISTING EARTH SYSTEM.
ALL WALKWAYS, HANDRAILS AND EXTRANEOUS METALWORK ASSOCIATED WITH THE VODAFONE INSTALLATION IS TO BE

BONDED TO THE EXISTING EARTH SYSTEM.

FOR DETAILS OF METHODOLOGY REFER VODAFONE RAN DESIGN AND CONSTRUCTION SPECIFICATION AND SPIDER DESIGN AND DEPLOYMENT GUIDELINES. (LATEST EDITION AT TIME OF CONSTRUCTION IS TO APPLY).

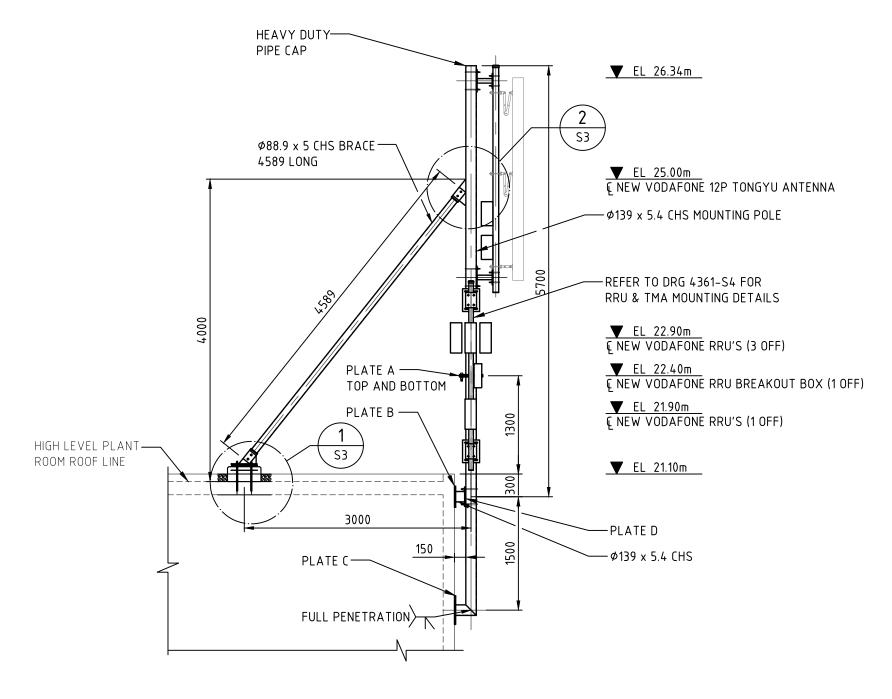
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02	27.09.17	CONSTRUCTION RE-ISSUE (SPIDER PROJECT)	HIGHFORCE	AS	NJS	CT
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٧(ODAFONE SITE 4361	
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14 -	-16 HASTINGS STREET	
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	JOINT VENTUR	E NO:	JB9300
SECTORISATION	ELECTRICAL IN	STALLATION NOTES	
	DRAWING STATUS	DRAWING No.	REV
	FOR CONSTRUCTION	4361 – E0	l 03



MOUNTING POLE DETAIL

SCALE 1:50

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REV	DATE	REVISION DESCRIPTION	VENDOR	DRAWN	DESIGNED	APPRD	



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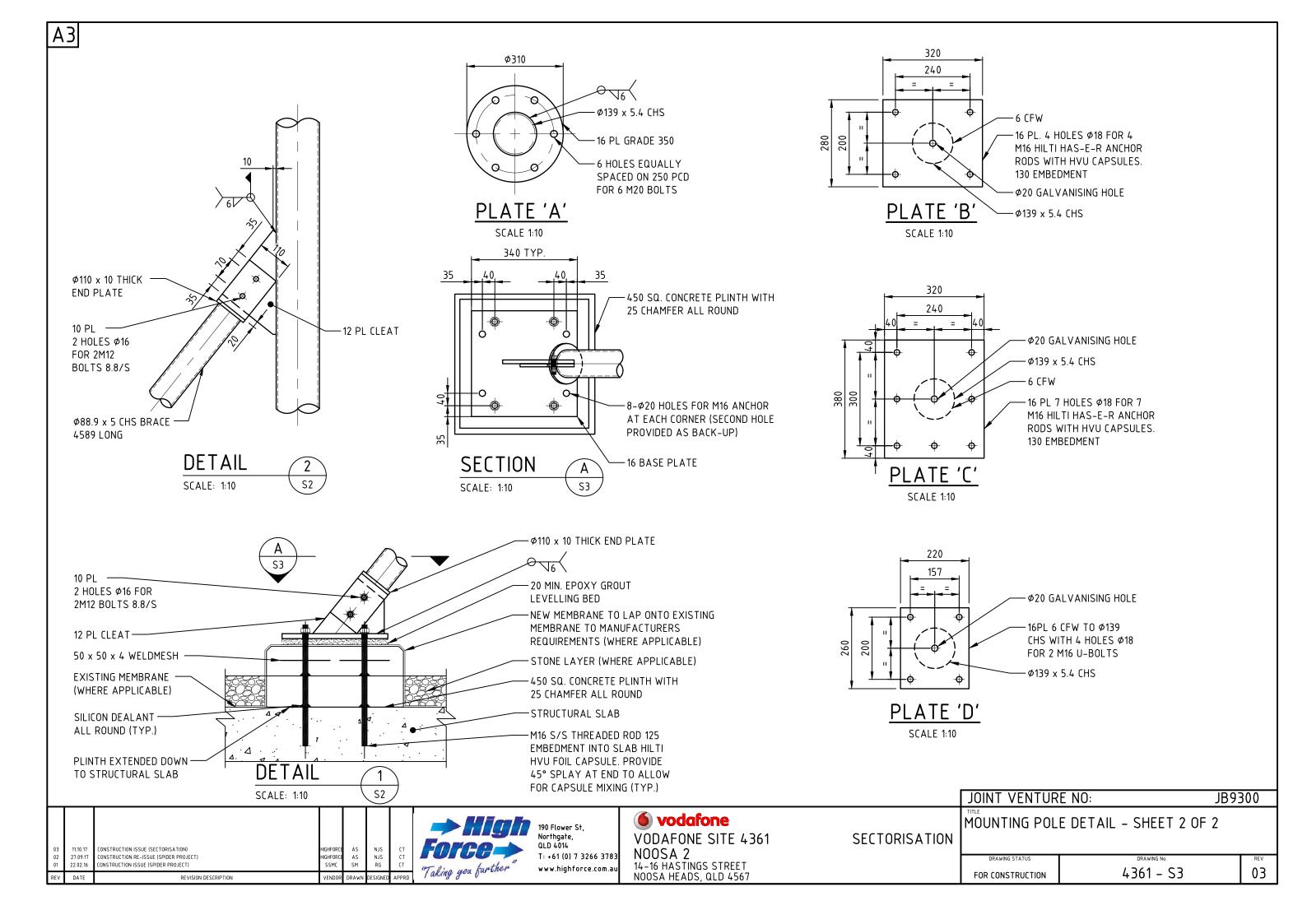
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VODAFONE SITE 4361
NOOSA 2
14-16 HASTINGS STREET
NOOSA HEADS, QLD 4567

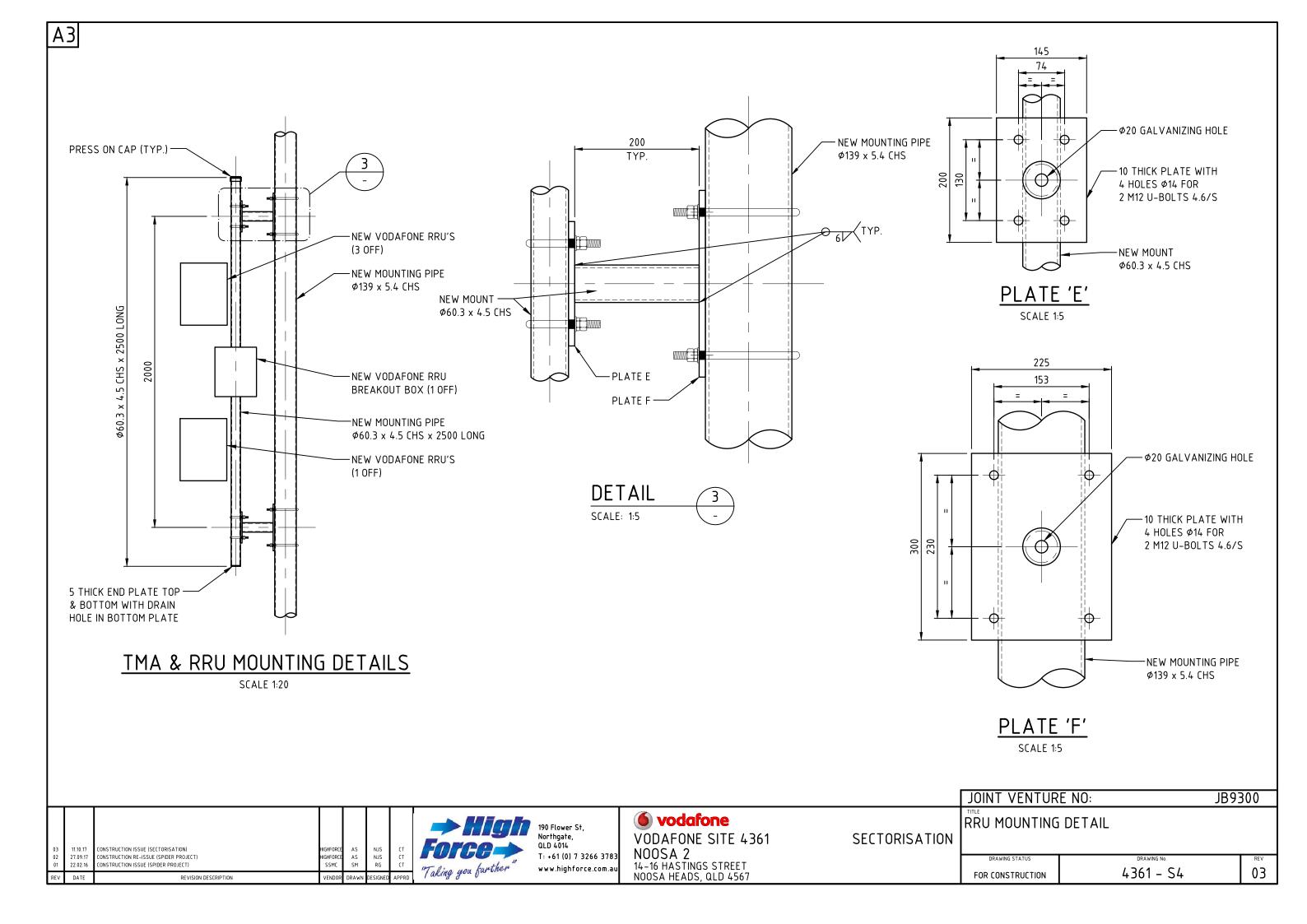
SECTORISATION	MOUNTING POLE DETAIL - SHEET 1 OF 2					
	DRAWING STATUS	DRAWING No.				
	FOR CONSTRUCTION	4361 - S2				

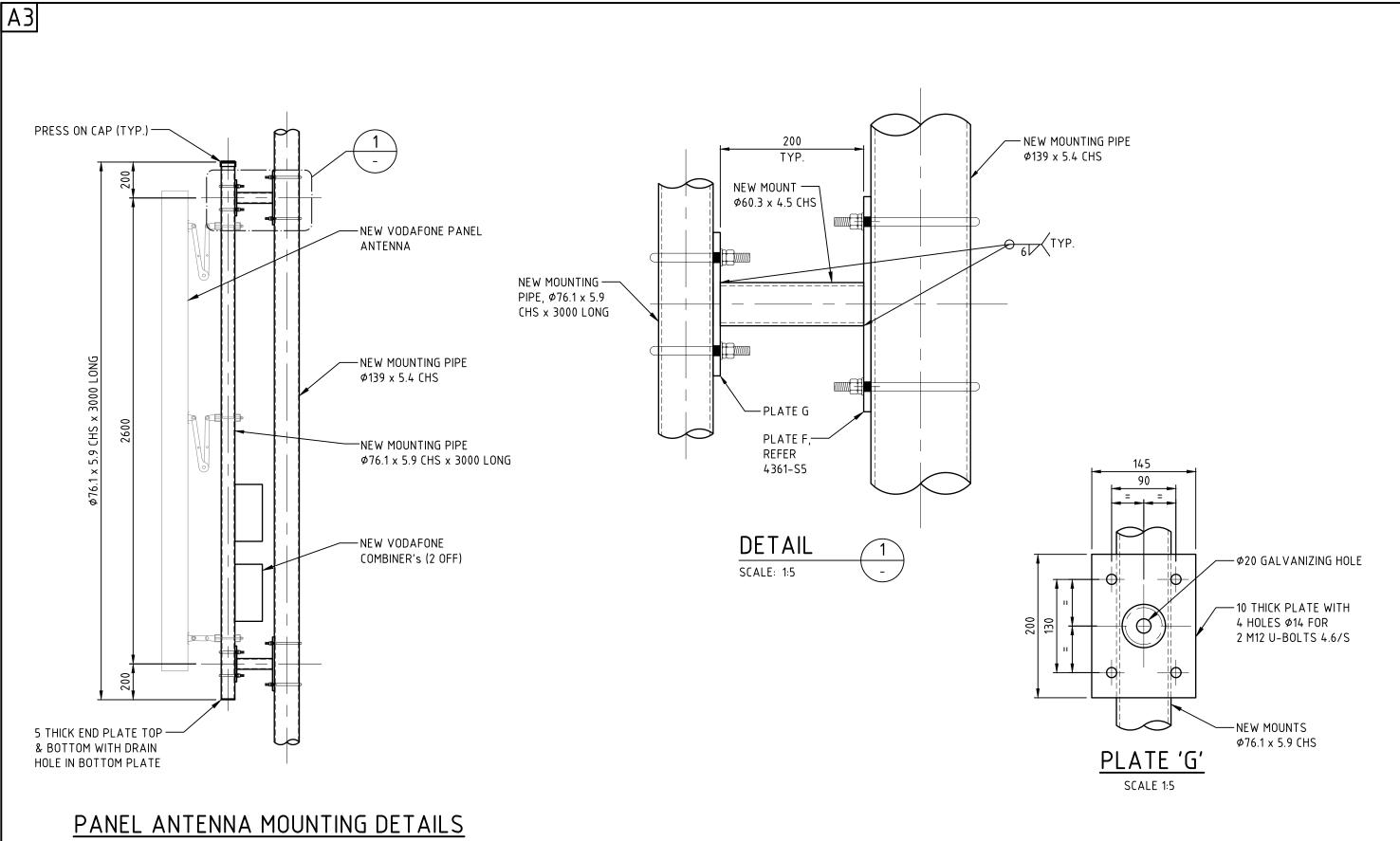
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SECTORISATION	ΑΙ

JOINT VENTURE NO: JB930					
ANTENNA MOU	NTING DETAIL				
DRAWING STATUS	DRAWING No.	REV			
FOR CONSTRUCTION	4361 - S5	01			