

AIR TERMINAL SCHEDULE GRILLE No. REF. OFF AIR QTY. DESCRIPTION (L/s) each RAG 02 04 *600x600 RETURN AIR GRILLE -Ø300 CONNECTION SAD 14 01 *Ø250 CONSTANT VOLUME AIR DIFFUSERS - TYPE (CCD) SAD 07 07 * Ø250 CONSTANT VOLUME SWIRL AIR DIFFUSERS-TYPE (CSW) 87.5 * TROX/RICKARD OR SIMILAR APPROVED

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FLOOR

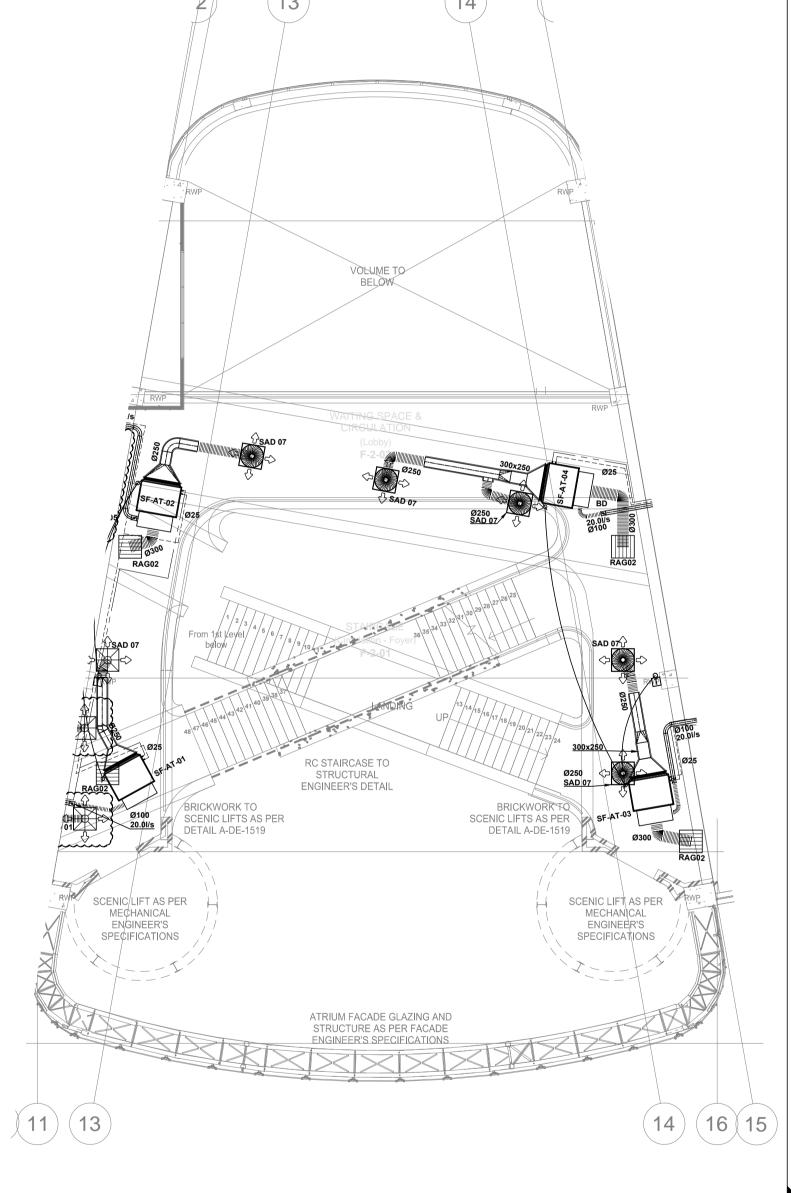
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AIR CONDITIONING UNIT SCHEDULE											
UNIT No.	No.	DESCRIPTION	MODEL No.	AIR QTY.	CAPACI	TY (kW)	POWER REQUIREMENTS				
		DESCRIPTION	WOBEL NO.	L/s	COOLING	HEATING	(V/Ph/Hz)	ABSORBED (kW)			
F-AT-01	01	IN-CEILING DUCTED UNIT	PEFY-P32-VMA-E	175	3.6	4.0	230 / 1 / 50	0.07			
F-AT-02	01	IN-CEILING DUCTED UNIT	PEFY-P32-VMA-E	175	3.6	4.0	230 / 1 / 50	0.07			
F-AT-03	01	IN-CEILING DUCTED UNIT	PEFY-P32-VMA-E	175	3.6	4.0	230 / 1 / 50	0.07			
F-AT-04	01	IN-CEILING DUCTED UNIT	PEFY-P32-VMA-E	175	3.6	4.0	230 / 1 / 50	0.07			

*MITSUBISHI OR SIMILAR APPROVED





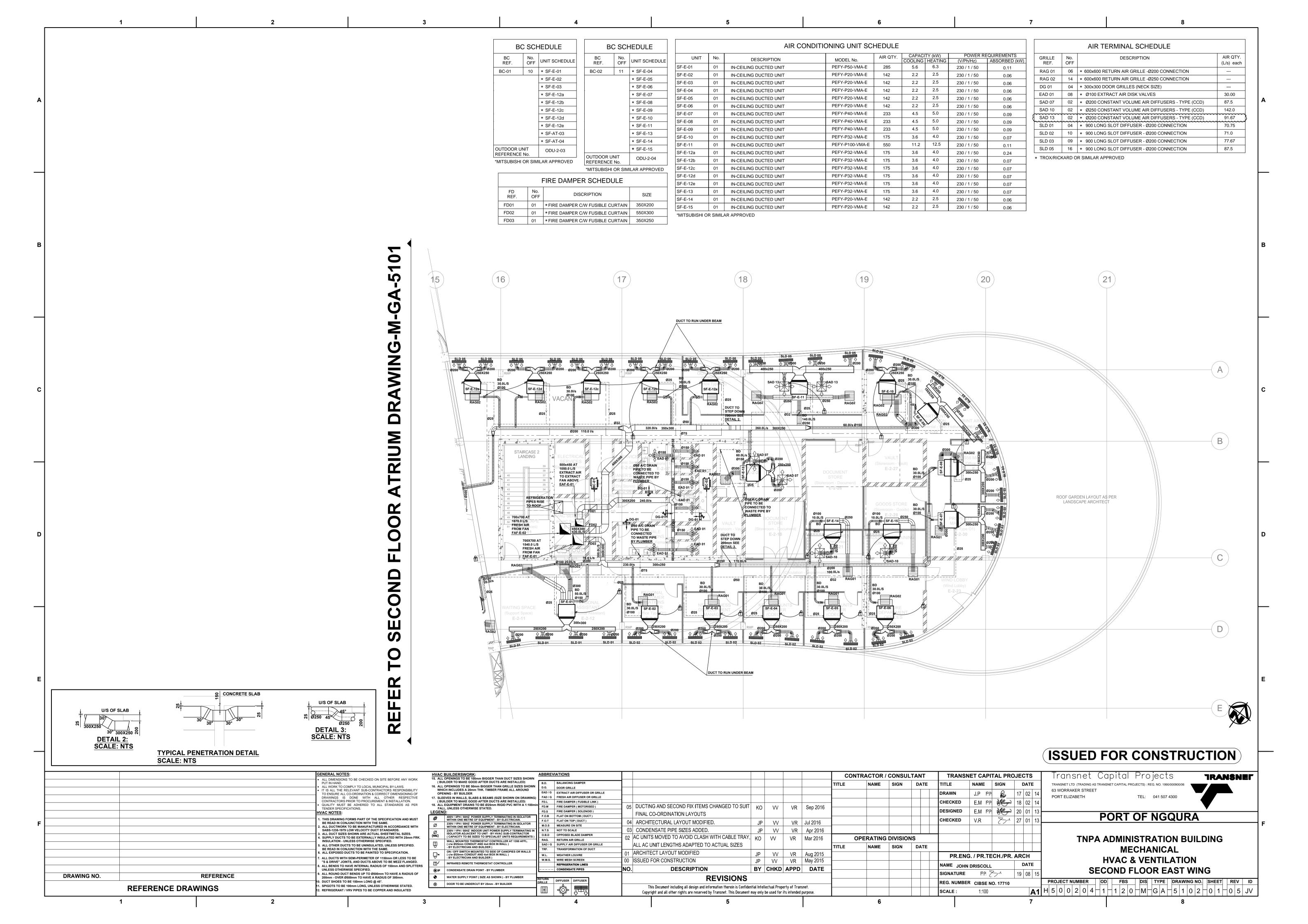
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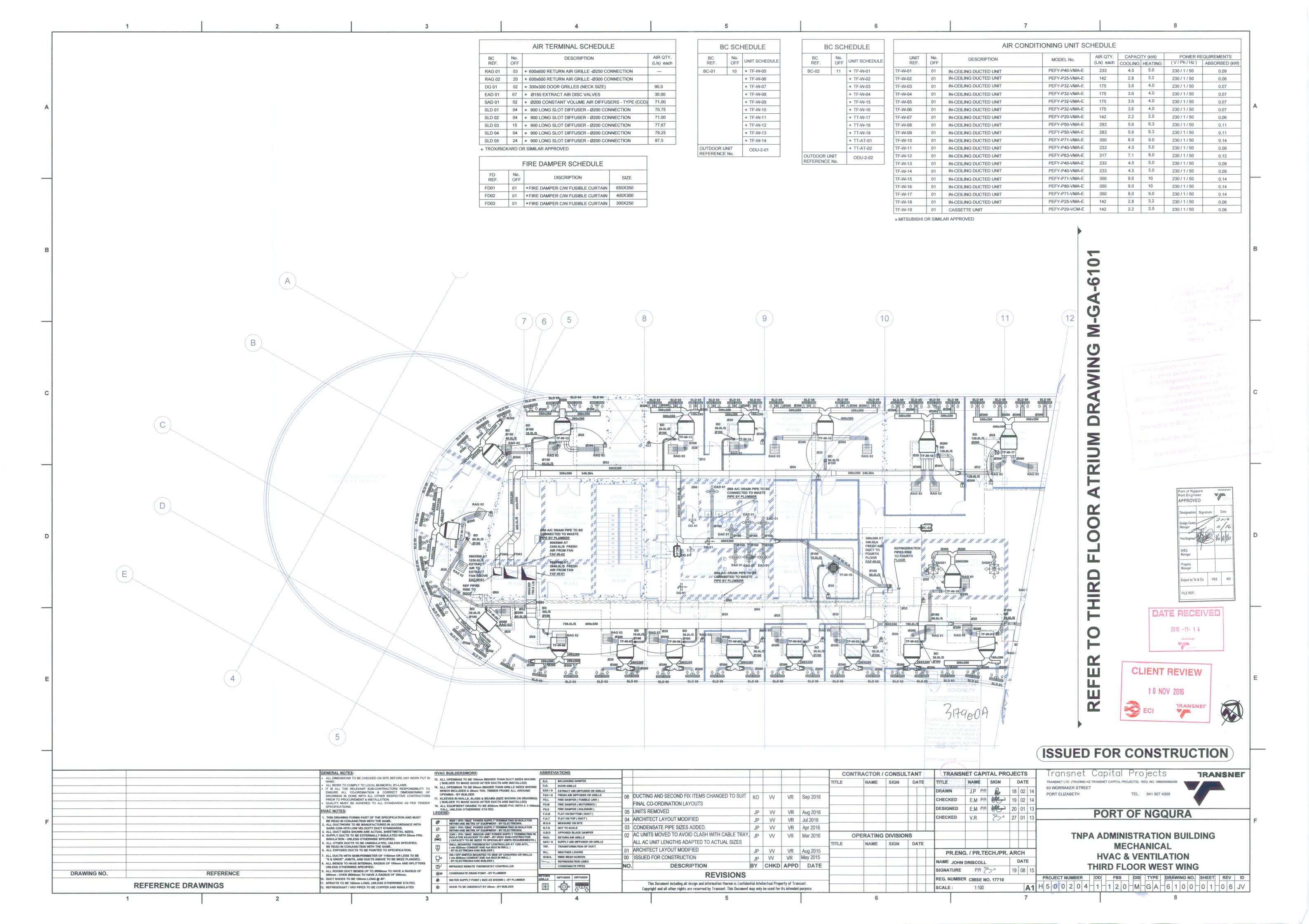
		GENERAL NOTES: • ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK	HVAC BUILDERSWORK: 15. ALL OPENINGS TO BE 100mm BIGGER THAN	DUCT SIZES SHOWN	ABBREVIATIONS				CON	NTRACTOR /	CONSULTANT	TRAN	SNET CA	APITAL F	PROJECTS	Transnet Capital Projects TRANSNET
		PUT IN HAND. • ALL WORK TO COMPLY TO LOCAL MUNICIPAL BY-LAWS.	(BUILDER TO MAKE GOOD AFTER DUCTS A 16. ALL OPENINGS TO BE 50mm BIGGER THAN WHICH INCLUDES A 20mm THK TIMBER FR.	GRILLE SIZES SHOWN	B.D. BALANCING DAMPER D.G. DOOR GRILLE				TITLE	NAME	SIGN DAT	E TITLE	NAME	SIGN	N DATE	TRANSNET LTD (TRADING AS TRANSNET CAPITAL PROJECTS): REG. NO. 1990/000900/06
		IT IS ALL THE RELEVANT SUB-CONTRACTORS RESPONSIBILITY TO ENSURE ALL CO-ORDINATION & CORRECT DIMENSIONING OF DRAWINGS IS DONE WITH ALL OTHER RESPECTIVE	OPENING - BY BUILDER 17. SLEEVES IN WALLS, SLABS & BEAMS (SIZE		EAD / G EXTRACT AIR DIFFUSER OR GRILLE FAD / G FRESH AIR DIFFUSER OR GRILLE	T						DRAWN	J.P	P.P	17 02 14	63 WORRAKER STREET PORT ELIZABETH TEL: 041 507 4300
		CONTRACTORS PRIOR TO PROCUREMENT & INSTALLATION. • QUALITY MUST BE ADHERED TO ALL STANDARDS AS PER	(BUILDER TO MAKE GOOD AFTER DUCTS A 18. ALL EQUIPMENT DRAINS TO BE Ø25mm RIG	RE INSTALLED)	FD.L FIRE DAMPER (FUSIBLE LINK) FD.M FIRE DAMPER (MOTORISED)	05 DUCTING AND SECOND FIX ITEMS CHANGED TO SUIT KC	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	VR Sep 2016				CHECKED	E.M	P.P.	18 02 14	
		TENDER SPECIFICATIONS. HVAC NOTES:	FALL, UNLESS OTHERWISE STATED. <u>LEGEND</u> :		FD.S FIRE DAMPER (SOLENOID) F.O.B FLAT ON BOTTOM (DUCT)	FINAL CO-ORDINATION LAYOUTS		VK Sep 2016				DESIGNED	E.M	PP M	20 01 13	DODT OF NCOURA
:		THIS DRAWING FORMS PART OF THE SPECIFICATION AND MUST BE READ IN CONJUNCTION WITH THE SAME.	400V / 3PH / 50HZ POWER SUPPLY TERMI WITHIN ONE METRE OF EQUIPMENT - BY 230V / 1PH / 50HZ POWER SUPPLY TERMI	NATING IN ISOLATOR	F.O.T FLAT ON TOP (DUCT)	04 ARCHITECTURAL LAYOUT MODIFIED. JF		VR Jul 2016				CHECKED	V.R	2-	27 01 13	PORT OF NGQURA
		2. ALL DUCTWORK TO BE MANUFACTURED IN ACCORDANCE WITH SABS-1238-1979 LOW VELOCITY DUCT STANDARDS. 3. ALL DUCT SIZES SHOWN ARE ACTUAL SHEETMETAL SIZES.	WITHIN ONE METRE OF EQUIPMENT - BY 230V / 1PH / 50HZ INDOOR UNIT POWER S ISOLATOR ADJACENT TO UNIT - BY HVAC	LIPPLY TERMINATING IN	M.O.S MEASURE ON SITE N.T.S NOT TO SCALE	03 CONDENSATE PIPE SIZES ADDED. JF	VV	VR Apr 2016								
		4. SUPPLY DUCTS TO BE EXTERNALLY INSULATED WITH 25mm FRK. INSULATION - UNLESS OTHERWISE SPECIFIED.	(HWAC) (CAPACITY TO BE SIZED TO SPECIALIST WALL MOUNTED THERMOSTAT CONTROL	JNITS REQUIREMENTS) LER AT 1350 AFFL.	O.B.D OPPOSED BLADE DAMPER RAG. RETURN AIR GRILLE	02 AC UNITS MOVED TO AVOID CLASH WITH CABLE TRAY, KO	VV	VR Mar 2016		OPERATING	DIVISIONS					TNPA ADMINISTRATION BUILDING
		5. ALL OTHER DUCTS TO BE UNINSULATED, UNLESS SPECIFIED. BE READ IN CONJUNCTION WITH THE SAME.	(c/w Ø25mm CONDUIT AND 4x4 BOX IN W - BY ELECTRICIAN AND BUILDER) ON / OFF SWITCH MOUNTED TO SIDE OF		SAD / G SUPPLY AIR DIFFUSER OR GRILLE TRF. TRANSFORMATION OF DUCT	ALL AC UNIT LENGTHS ADAPTED TO ACTUAL SIZES			TITLE	NAME	SIGN DAT	E				MECHANICAL
		6. ALL EXPOSED DUCTS TO BE PAINTED TO SPECIFICATION. 7. ALL DUCTS WITH SEMI-PERIMETER OF 1150mm OR LESS TO BE	(c/w Ø25mm CONDUIT AND 4x4 BOX IN W - BY ELECTRICIAN AND BUILDER)	ALL)	W.L. WEATHER LOUVRE W.M.S. WIRE MESH SCREEN	01 ARCHITECT LAYOUT MODIFIED JP	VV	VR Aug 2015				PR.E	NG. / PR.	TECH./	PR. ARCH	HVAC & VENTILATION
		"S & DRIVE" JOINTS, AND DUCTS ABOVE TO BE MEZZ FLANGED. 8. ALL BENDS TO HAVE INTERNAL RADIUS OF 150mm AND SPLITTERS	INFRARED REMOTE THERMOSTAT CONTR		REFRIGERATION LINES	00 ISSUED FOR CONSTRUCTION JP NO. DESCRIPTION BY		VR May 2015				NAME JO	HN DRISCO	OLL	DATE	
DRAWING NO.	REFERENCE	UNLESS OTHERWISE SPECIFIED. 9. ALL ROUND DUCT BENDS UP TO Ø500mm TO HAVE A RADIUS OF 200mm - OVER Ø500mm TO HAVE A RADIUS OF 300mm.	CONDENSATE DRAIN POINT - BY PLUMBE WATER SUPPLY POINT (SIZE AS SHOWN)	`` `	CONSENSATE PIPES		CHKD	PPD DATE				SIGNATUR	E PP	P 251	19 08 15	SECOND FLOOR ATRIUM
		10. DUCT SHOES TO BE 150mm LONG @ 45°. 11. SPIGOTS TO BE 100mm LONG. UNLESS OTHERWISE STATED.	DOOR TO BE UNDERCUT BY 25mm - BY B	RI	ETURN DIFFUSER DIFFUSER	REVISIONS						REG. NUM	BER CIBSI	SE NO. 177	710	PROJECT NUMBER OD FBS DIS TYPE DRAWING NO. SHEET REV ID
REF	FERENCE DRAWINGS	12. REFRIGERANT / VRV PIPES TO BE COPPER AND INSULATED	- 1			This Document including all design and information therein is Confidential Int Copyright and all other rights are reserved by Transnet. This Document may onl	llectual Property be used for its in	of Iransnet. ntended purpose.				SCALE :	1:10	00	A1	H 5 0 0 2 0 4 H 1 H 1 2 0 HMHG A H 5 1 0 1 H 0 1 H 0 5 JV

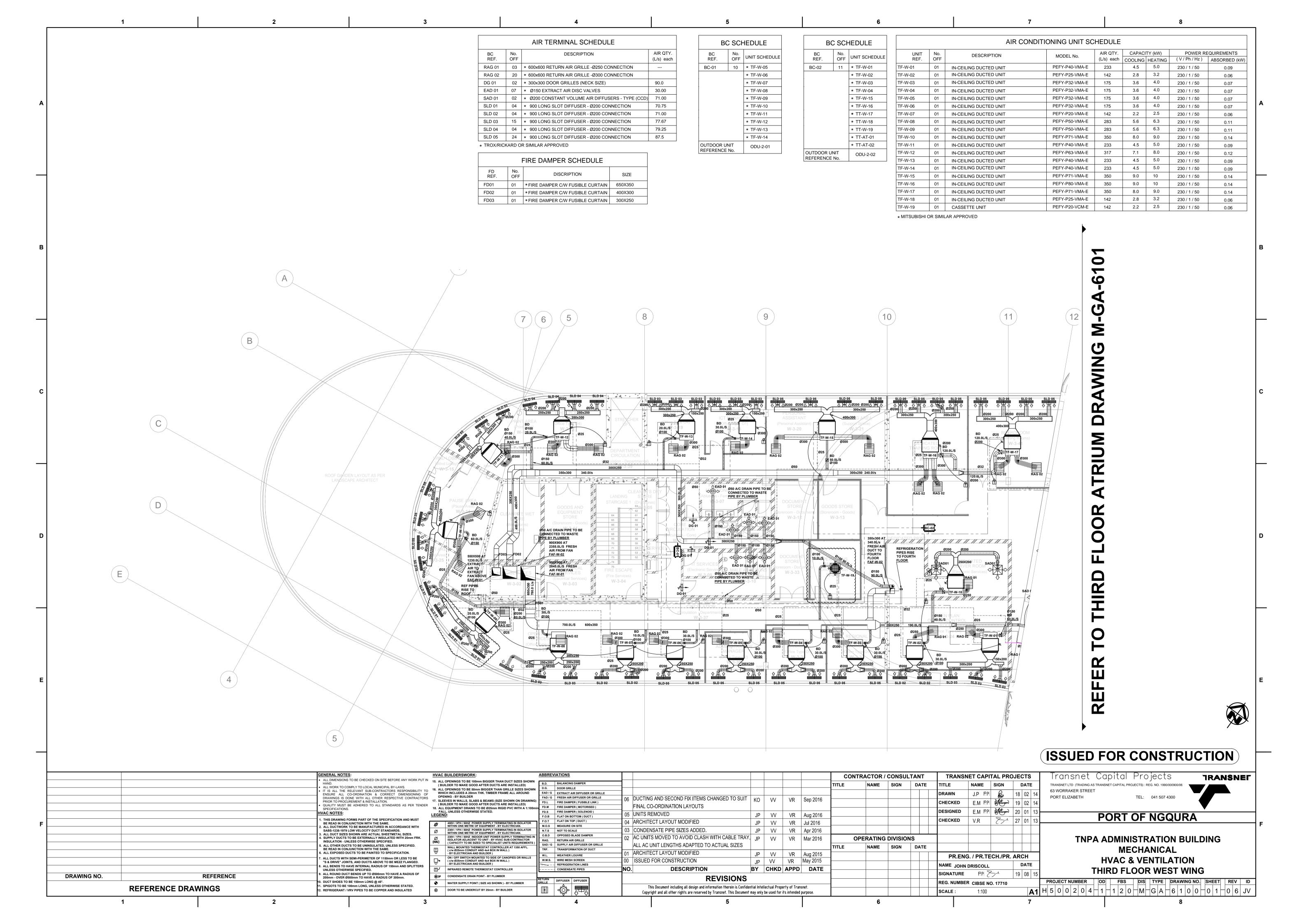
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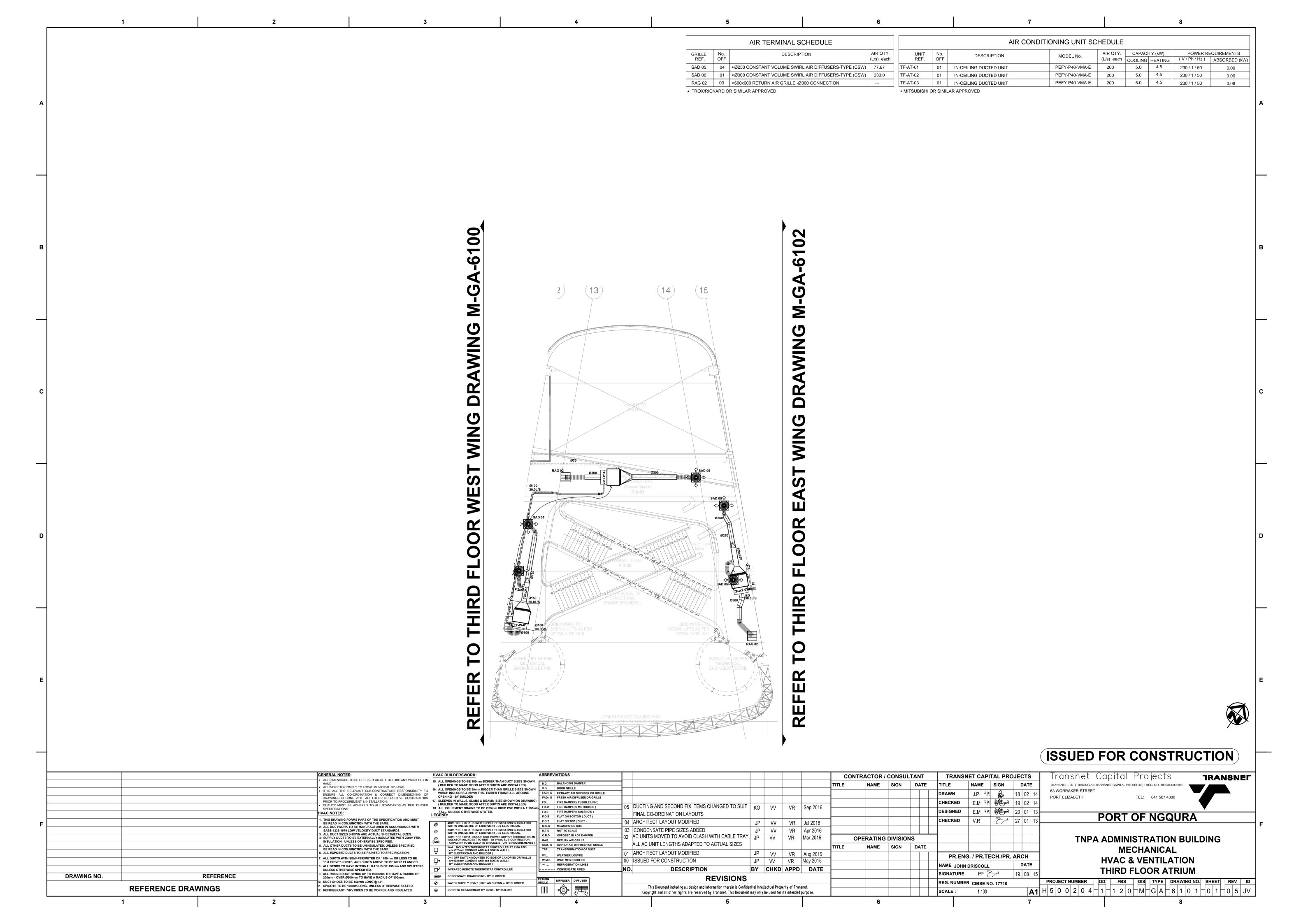
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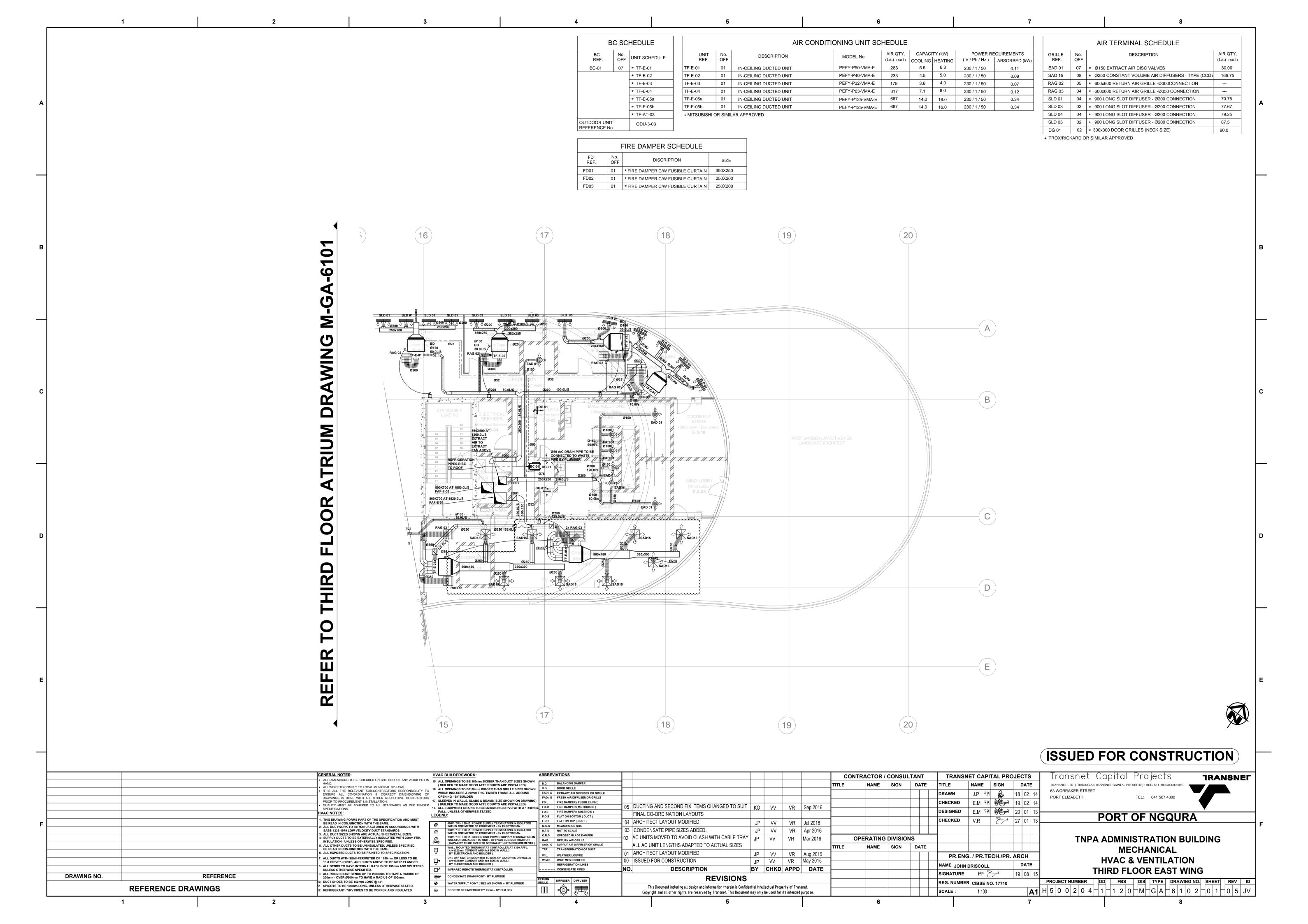
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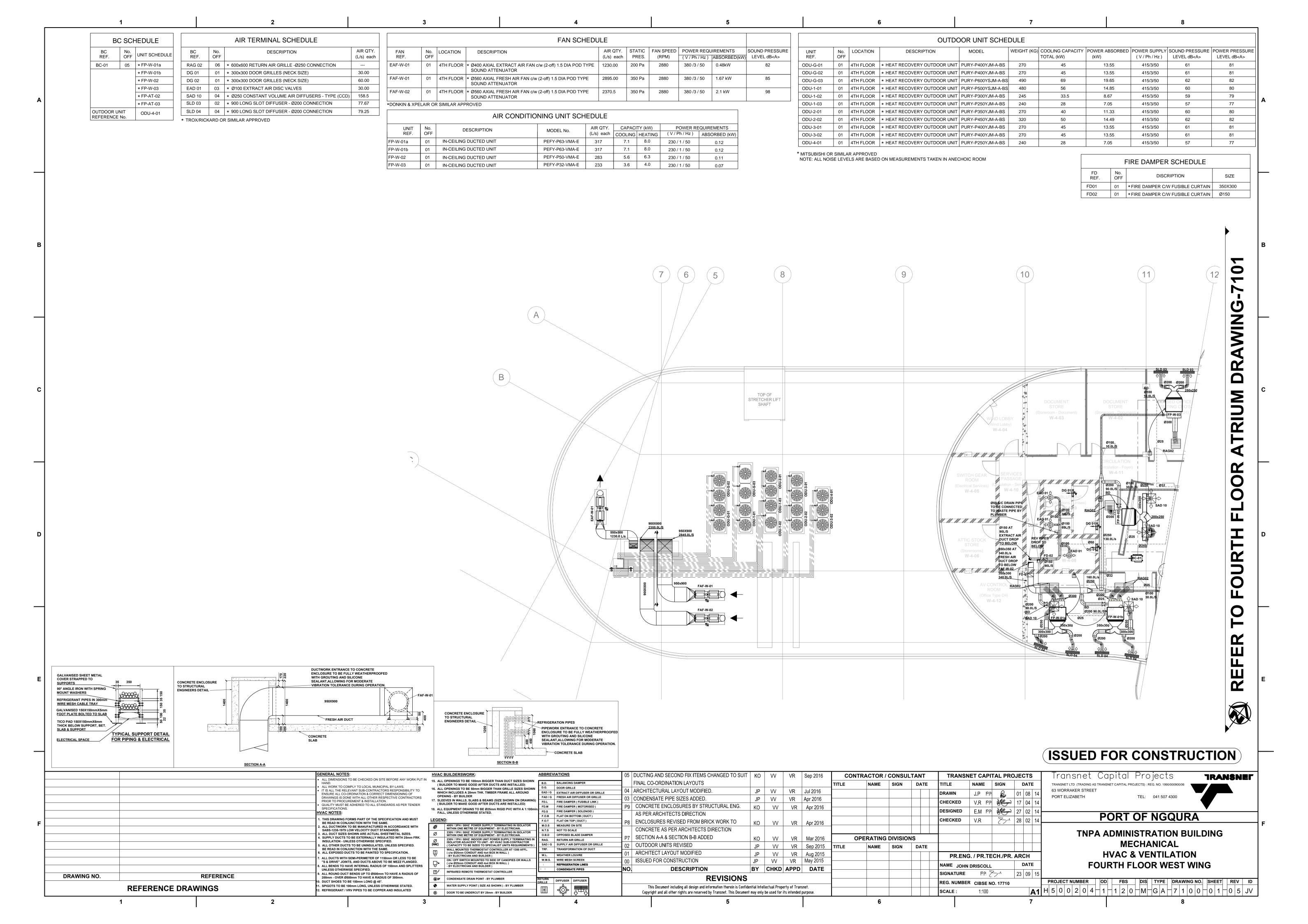












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				AIR TERMINAL SCHEDULE	AIDOTY	IDITIONING UNIT SCHEDULE
			GRILLE No. REF. OFF	DESCRIPTION v600 RETURN AIR GRILLE -Ø300 CONNECTION	AIR QTY. (L/s) each CHARTER OFF UNIT No. OFF DESCRIPTION OFF FP-AT-01 O1 IN-CEILING DUCTED LINIT	MODEL No. AIR QTY. (L/s) each CAPACITY (kW) POWER REQUIREMENTS COOLING HEATING (V / Ph / Hz) ABSORBED (kN) PEFY-P50-VMA-E 242 5.6 6.3 230 / 1 / 50 0.09
			SAD 05 06 *Ø20	x600 RETURN AIR GRILLE -Ø300 CONNECTION 0 CONSTANT VOLUME SWIRL AIR DIFFUSERS-TYPE (CS		PEFY-P50-VMA-E 242 5.6 6.3 230 / 1 / 50 0.09
			* TROX/RICKARD OR SIN	MILAR APPROVED	FP-AT-03 01 IN-CEILING DUCTED UNIT * MITSUBISHI OR SIMILAR APPROVED	PEFY-P50-VMA-E 242 5.6 6.3 230 / 1 / 50 0.09
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		SCENIC LIFT AS PER MECHANICAL ENGINEER MECHANICAL	VIC LIFT AS PER PECHANICAL ENGINEER //			
						ISSUED FOR CONSTRUCTION
		GENERAL NOTES: HVAC BUILDERSWORK: ABBREVIATIONS		CONTR	RACTOR / CONSULTANT TRANSNET CAPITAL PROJECTS	
		ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK PUT IN HAND. ALL WORK TO COMPLY TO LOCAL MUNICIPAL BY-LAWS. ALL WORK TO COMPLY TO LOCAL MUNICIPAL BY-LAWS. IT IS ALL THE RELEVANT SUB-CONTRACTORS RESPONSIBILITY TO IT IS ALL THE RELEVANT SUB-CONTRACTORS RESPONSIBLE SU		TITLE	NAME SIGN DATE TITLE NAME SIGN DATE	TRANSNET LTD (TRADING AS TRANSNET CAPITAL PROJECTS): REG. NO. 1990/000900/06
		WHICH INCLUDES A 20mm THK. TIMBER FRAME ALL AROUND ENSURE ALL CO-ORDINATION & CORRECT DIMENSIONING OF DRAWINGS IS DONE WITH ALL OTHER RESPECTIVE CONTRACTORS PRIOR TO PROCUREMENT & INSTALLATION. WHICH INCLUDES A 20mm THK. TIMBER FRAME ALL AROUND OPENING - BY BUILDER 17. SLEEVES IN WALLS, SLABS & BEAMS (SIZE SHOWN ON DRAWING) FILE FIRE DAMPER (FUSIBLE LINK)			DRAWN J.P P.P 01 08 0 CHECKED V.R P.P 17 04 04	PORT ELIZABETH TEL: 041 507 4300
		SPECIFICATIONS. HVAC NOTES: 18. ALL EQUIPMENT DRAINS TO BE Ø25mm RIGID PVC WITH A 1:100min FD.M FIRE DAMPER (MOTORISED) FALL, UNLESS OTHERWISE STATED. FO.B FIRE DAMPER (SOLENOID) FO.B FIRE DAMPER (MOTORISED)	DUCTING AND SECOND FIX ITEMS CHANGED TO SUI FINAL CO-ORDINATION LAYOUTS		DESIGNED E.M P.P William 17 04	POPT OF NCOLIDA
		2. ALL DUCTWORK TO BE MANUFACTURED IN ACCORDANCE WITH SABS-1238-1979 LOW VELOCITY DUCT STANDARDS. 400V / 3PH / 50HZ POWER SUPPLY TERMINATING IN ISOLATOR WITHIN ONE METRE OF EQUIPMENT - BY ELECTRICIAN. N.T.S NOT TO SCALE	ARCHITECTURAL LAYOUT MODIFIED. CONDENSATE PIPE SIZES ADDED.	JP VV VR Jul 2016 JP VV VR Apr 2016		1 OKT OF NOGOKA
		3. ALL DUCT SIZES SHOWN ARE ACTUAL SHEETMETAL SIZES. 4. SUPPLY DUCTS TO BE EXTERNALLY INSULATED WITH 25mm FRK. INSULATION - UNLESS OTHERWISE SPECIFIED. 5. ALL OTHER DUCTS TO BE UNINSULATED, UNLESS SPECIFIED. 9. SUPPLY DUCTS TO BE UNINSULATED, UNLESS SPECIFIED. 9. SUPPLY BURGE SUPPLY TERMINATING IN SIZEATOR SUB-CONTRACTOR CAPACITY TO BE SIZED TO SPECIALIST UNITS REQUIREMENTS) 9. SUPPLY AIR DIFFUSE OF CONTRACTOR CAPACITY TO BE SIZED TO SPECIALIST UNITS REQUIREMENTS) 9. SUPPLY AIR DIFFUSE OF CRITICAL OF CONTRACTOR CAPACITY TO BE SIZED TO SPECIALIST UNITS REQUIREMENTS) 10. SUPPLY AIR DIFFUSE OF CRITICAL OF CRI	AC UNITS MOVED TO AVOID CLASH WITH CABLE TRA ALL AC UNIT LENGTHS ADAPTED TO ACTUAL SIZES	Y, JP VV VR Mar 2016 OPE	ERATING DIVISIONS NAME SIGN DATE	TNPA ADMINISTRATION BUILDING MECHANICAL
		BE READ IN CONJUNCTION WITH THE SAME. 6. ALL EXPOSED DUCTS TO BE PAINTED TO SPECIFICATION. 7. ALL DUCTS WITH SEMI-PERIMETER OF 1150mm OR LESS TO BE WALL MOUNTED THERMOSTAT CONTROLLER AT 1350 AFFL. (c/w 925mm CONDUIT AND 4x4 BOX IN WALL.) BY ELECTRICIAN AND BUILDER) ON JOFF SWITCH MOUNTED TO SIDE OF CANOPIES OR WALLS W.M.S. WIRE MESH SCREEN	01 ARCHITECT LAYOUT MODIFIED 00 ISSUED FOR CONSTRUCTION	JP VV VR Aug 2015 JP VV VR May 2015	PR.ENG. / PR.TECH./PR. ARCH	HVAC & VENTILATION
		8. ALL BENDS TO HAVE INTERNAL RADIUS OF 150mm AND SPLITTERS UNLESS OTHERWISE SPECIFIED. 9. ALL ROUND DUCT BENDS UP TO Ø500mm TO HAVE A RADIUS OF INFRARED REMOTE THERMOSTAT CONTROLLER REFRIGERATION LINES CONDENSTE PIPES N	O. DESCRIPTION	BY CHKD APPD DATE	NAME JOHN DRISCOLL DATE SIGNATURE P.P. > 19 08	1 001(1111 2001(7(11(10)))
SAMING NO	DECEDENCE	200mm - OVER Ø500mm TO HAVE A RADIUS OF 300mm.	REVISIONS	5		
RAWING NO.	REFERENCE DRAWINGS	200mm - OVER Ø500mm TO HAVE A RADIUS OF 300mm. 10. DUCT SHOES TO BE 150mm LONG @ 45°. 11. SPIGOTS TO BE 100mm LONG, UNLESS OTHERWISE STATED. 12. REFRIGERANT / VRV PIPES TO BE COPPER AND INSULATED (**) DOOR TO BE UNDERCUT BY 25mm - BY BUILDER	This Document including all design and information therein is Conf Copyright and all other rights are reserved by Transnet. This Docum	idential Intellectual Property of Transnet.	REG. NUMBER CIBSE NO. 17710 SCALE: 1:100	PROJECT NUMBER OD FBS DIS TYPE DRAWING NO. SHEET REV 1 H 5 0 0 2 0 4 1 1 1 2 0 M G A 7 1 0 1 0 1 0 5 J

