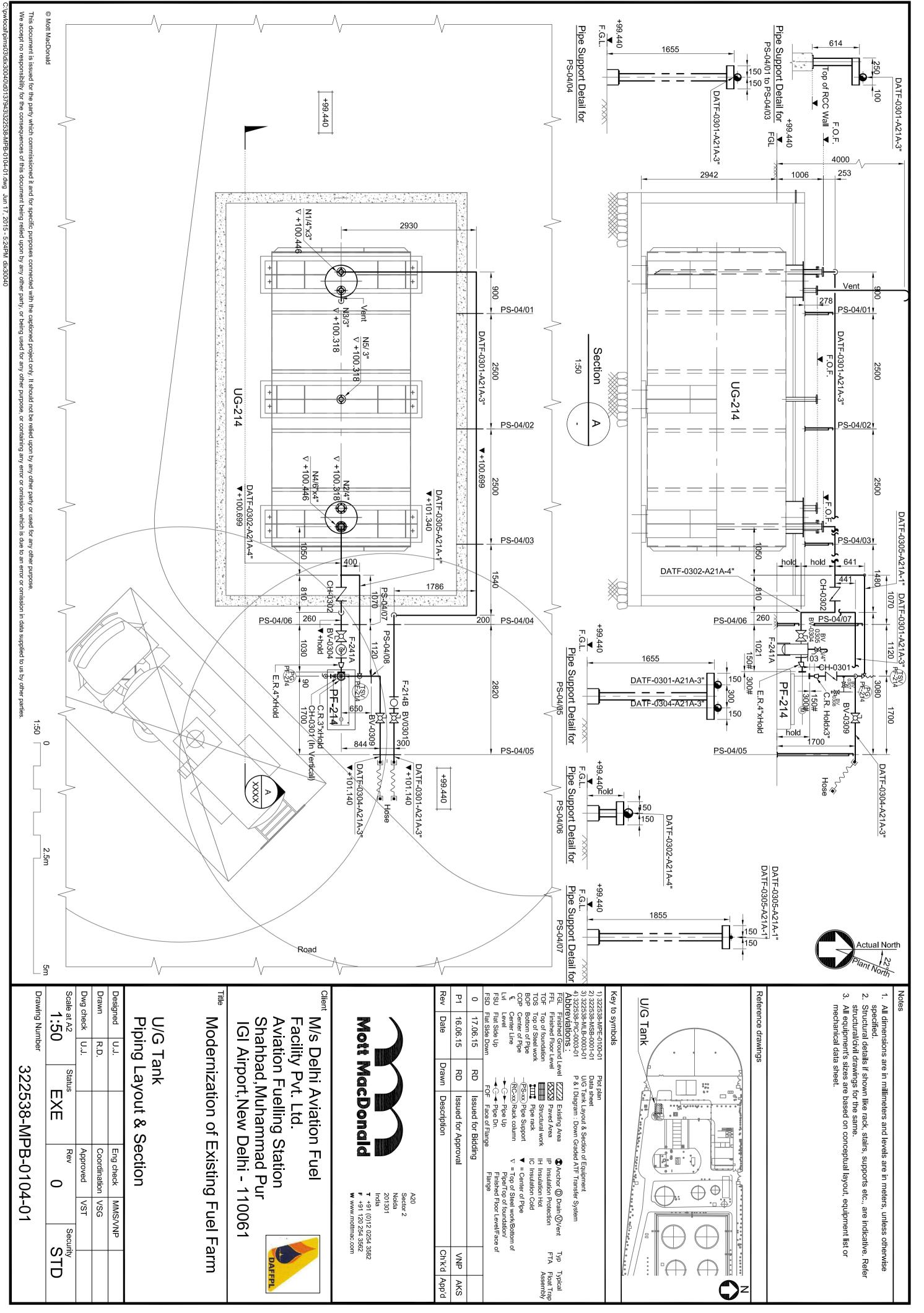
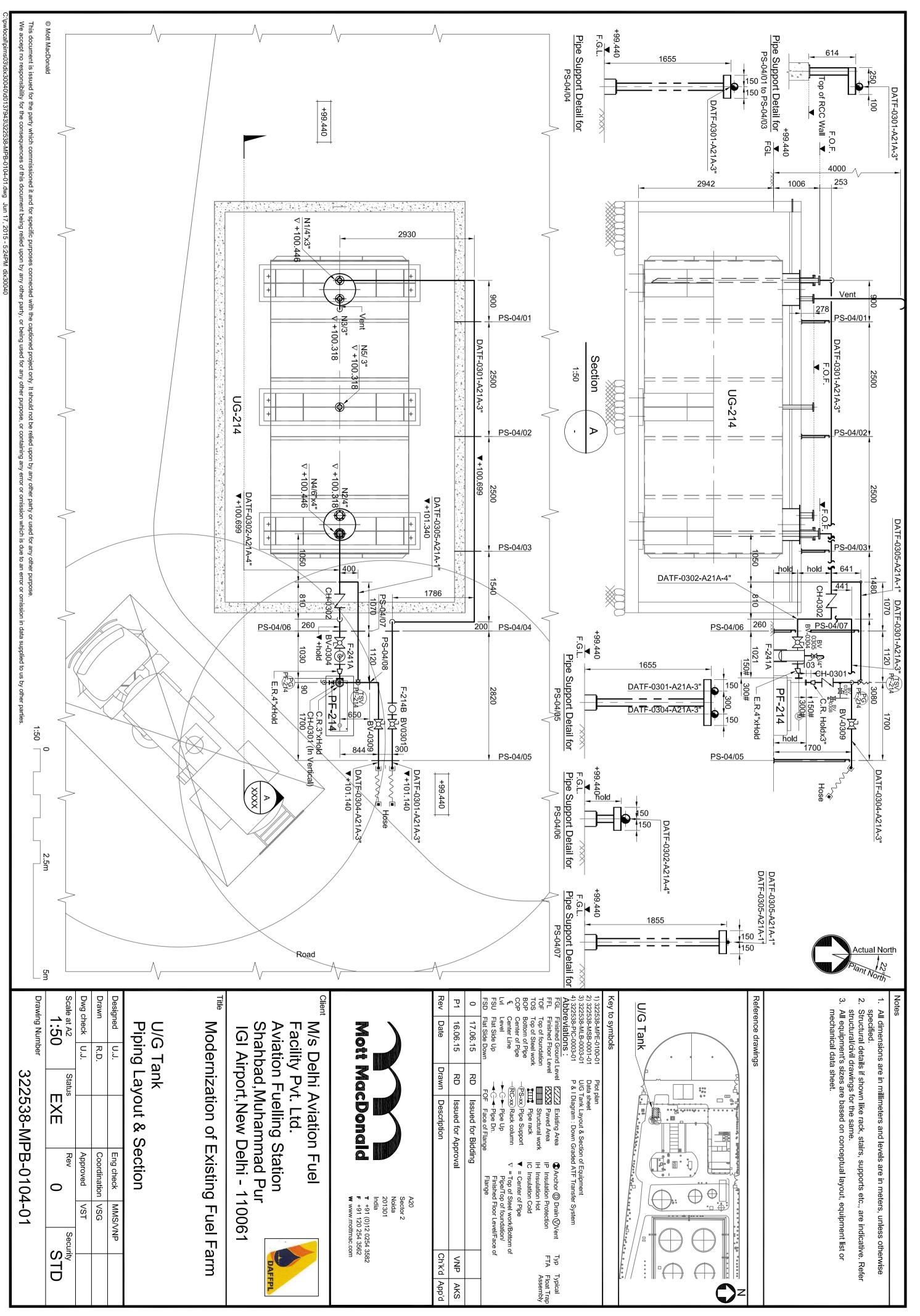


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322	Status	niza	elhi / on Fu irport		MML Drawn	RCP	RD RD	1001-01 S iround Lev loor Level ndation ucture			05	are in mill rawings f sizes are a sheet.
538-MLB-0003-01	EXEEng checkMMS/VNPCoordinationVSGVSGApprovedVSTVSTRev OSecuritySecuritySecurity	tion of Existing	Aviation Fuel L. Ltd. Juling Station Auhammad Pur t, New Delhi - 110061	A20Sector 2Noida201301IndiaT +91 (0)12 0254 3582F +91 120 254 3562W www.mottmac.com	Issued for ApprovalVNPAKSDescriptionCh'k'dApp'd	vised & Issued for Approval	Issued for Bidding Layout Revised & Issued for Approval	Pot pian Data sheet /el /el // // // // // // // // // // // // /	<u>-</u>			n like rack, stairs, supports etc., are indicative. Refer for the same. based on conceptual layout, equipment list or





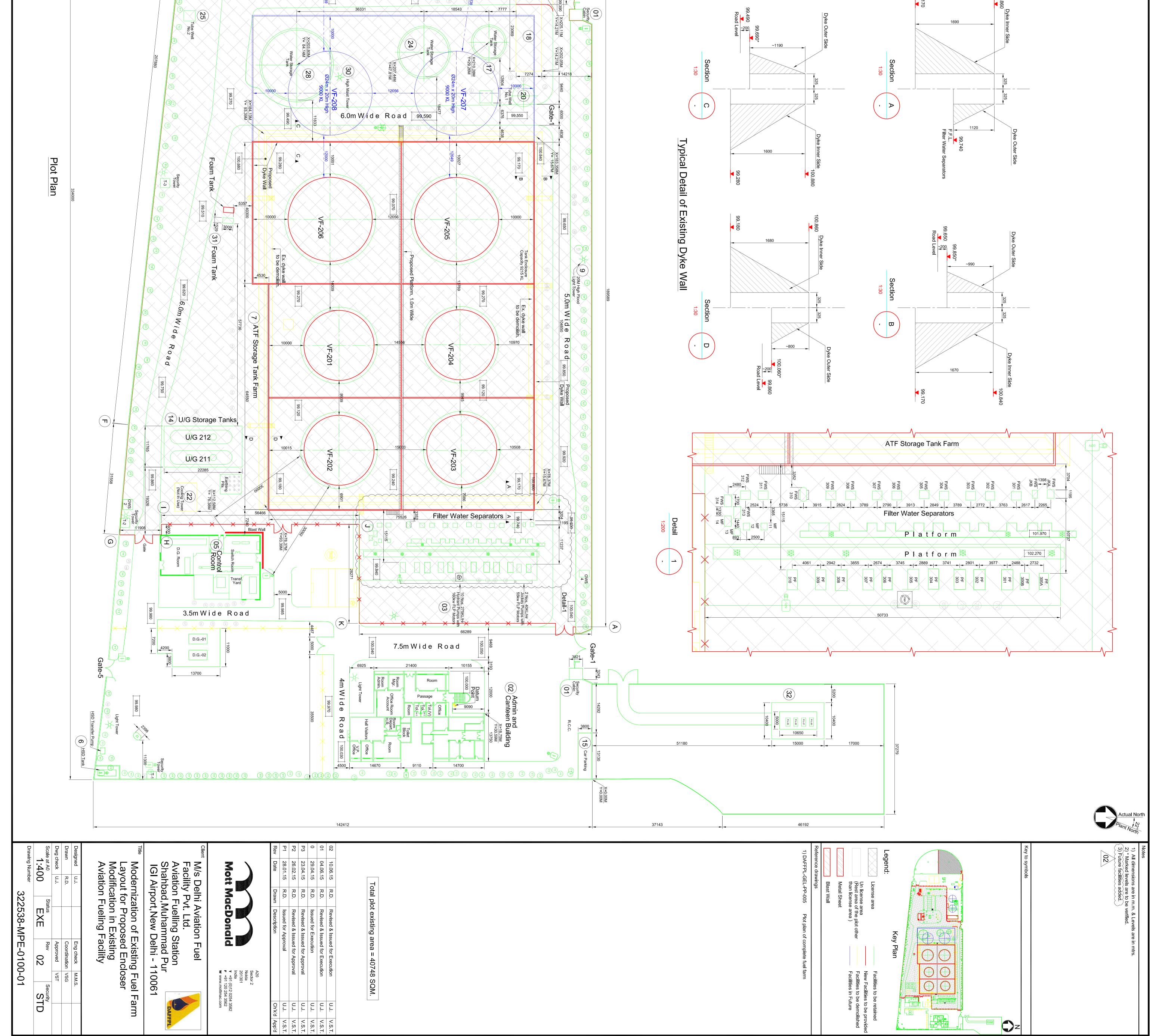


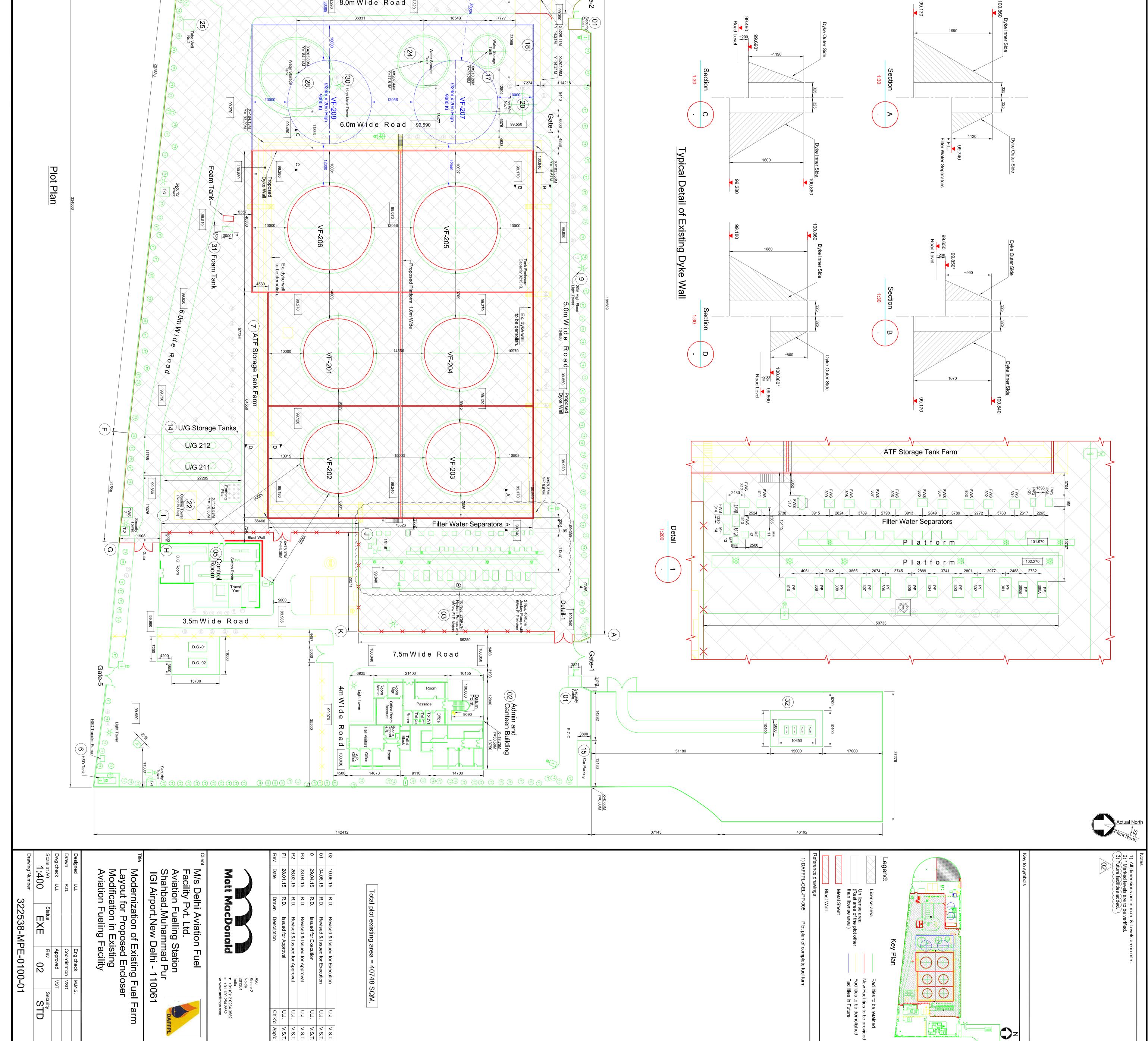


							ა
			New	4.50	3mX15mX3m HIGH	Foam Tank	31
					30m HIGH	High Mast Tower(2 Nos)	30
					I	Road For Fire Tender	29
				628	20.0mØX18m HT	Water Storage Tank	28
			New	29.6	8X3.7	A.O./TLF Room	27
			To be Removed.	11.97	3.46X3.46	Tube Well No.3	26
				11.97	3.46X3.46	Tube Well No.2	25
				153.93	14.0mØX15m HT	Water Storage Tank	24
				I	I	U.G. Slop Tank	23
			To be Removed.	25.44	4X6+1.2X1.2	Cooling Tower	22
					2 X 20.0mØX18m HT	Over Head Water Tank	21
				46.36	6.1X7.6	Tube Well No.1	20
				2.88	1.2X1.2X2	Dip Platform	19
			To be Removed & relocated	300.00	30.0mX10m	Fire Hydrant Pump House	18
24.0m DIA. X 20.0m Height ATF(CLAS		VF-206		63.61	9.0mX15m HT	Water Storage Tank	17
24.0m DIA. X 20.0m Height ATF(CLASS		VF-205	To be Removed & relocated	2662.41	I	Fuellers Parking	16
20.0m DIA. X 20.0m Height ATF(CLASS		VF-204			•	Parking Area	15
20.0m DIA. X 20.0m Height ATF(CLAS		VF-203			•	U.G. Storage Tank (2 Nos)	14
DIA. X 20.0m Height ATF(CLASS	20.0m DIA.	VF-202	To be Removed.	137.60	16.0X8.6X2	Repair Shop HPC/IOC	13
DIA. X 20.0m Height ATF(CLASS	20.0m DIA.	VF-201		317.86	9.2X34.55	Tank Lorry Decanting Gantry	12
Dia. X Height Product		Tank No.	To be Removed & relocated	6.00	2.0X3.0	Meter Calibration Unit (5kl)	1
Detail of Above Ground Ex				404.00	20X20.2	Repair Shop	10
					3Nos	High Flood Light Tower(20m High)	9
Dia. X 5.98m Long ATF(CLASS	3 1.84m Dia.	UG-213		66.00	12mX5.5m	Tld Pump House	8
4.016m Dia. X16.80m Long ATF(CLASS		UG-212		8142.48	104X76.2	Atf Storage Tank Farm	7
2.77m Dia. X 19.66m Long ATF(CLASS		UG-211	New	27.79	3.97X7.0	Diesel Tank Farm	6
Dia. X Height Product		Tank No.		295.17	•	Lt/ht/dg And Control Room	ъ Сл
Detail of Under Ground Exi				100.00	10X10	Testing Rig	4
				366.46	50.2X7.3	Pump House	ω
3.0m I.Dia. X 6.4m Long ATF(CLASS		UG-214		701.25	ı	Admin And Canteen Building	2
Dia. X Height Product		Tank No.		12.35	3.8X3.25X4	Security Cabin(4 Nos)	<u> </u>
Detail of Under Ground Pro			Remarks	Area in Sq.Mtrs.	Size (in Mtrs.)	Description	No





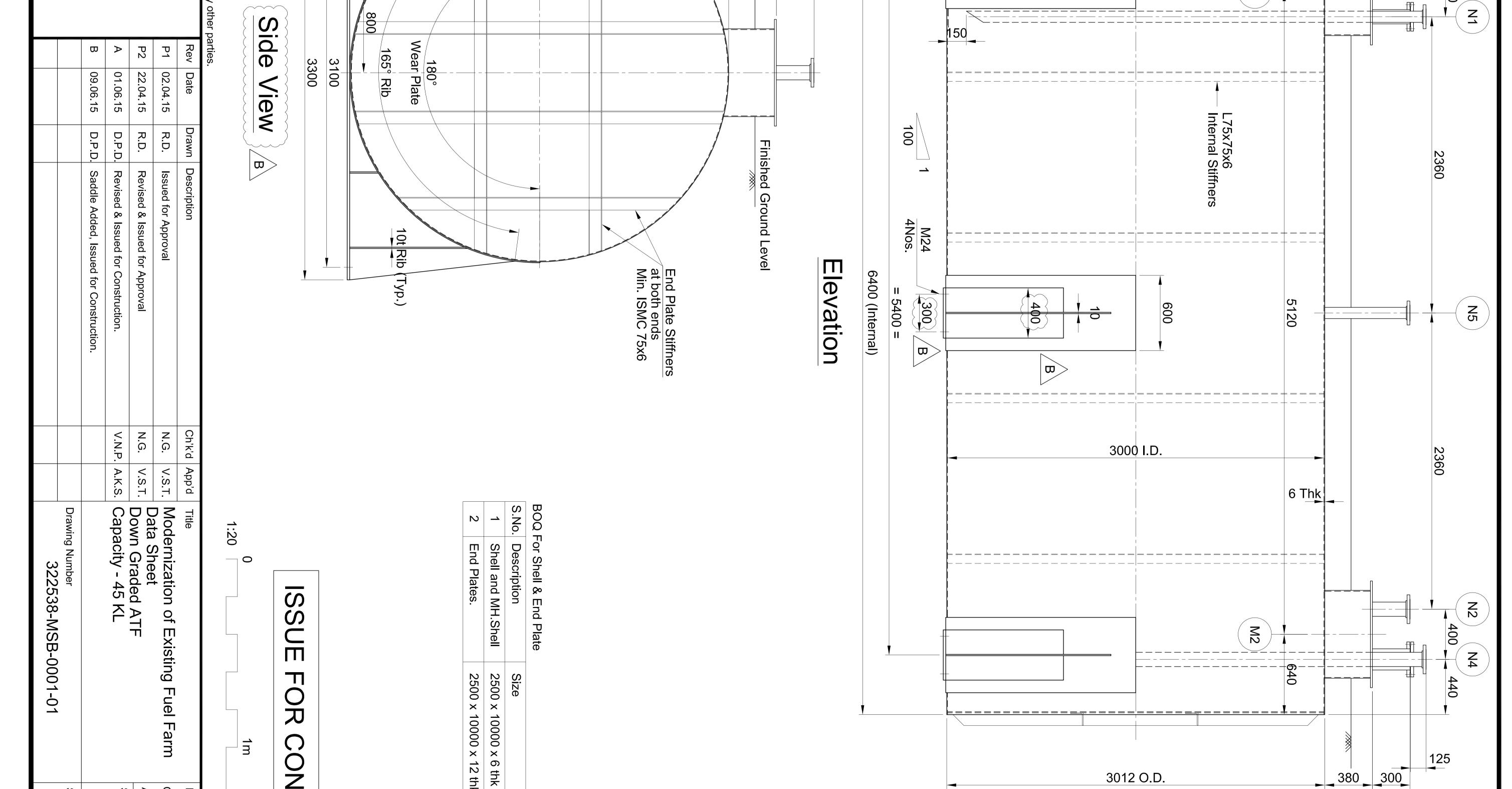




roposed	d Tanks	
	Capacity	Remarks
ASS-B)	45 KL	New
Existing	Tanks	
	Capacity	Remarks
ASS-B)	115 KL	
ASS-B)	200 KL	
ASS-B)	10 KL	
Existing	Tanks	
	Capacity	Remarks
ASS-B)	6200 KL	
ASS-B)	9000 KL	
ASS-B)	9000 KL	

	Facility Pvt. Ltd.	Av Av				acDonal		
with the capti ⁻ party, or bei	r specific purposes connected w being relied upon by any other l lient	nd for spe nent bein Client	missioned it ar s of this docun	/ which comi onsequence	the party for the c	acDonald Iment is issued for of no responsibility	docu docu	© M This We a
in. ial, after, one coat	Approved Inspection Pla drawing, Supply of Mater Tank. he tank. Anchor details, c	r. Id Specification. Accordance with Accordance with Accordance with anding over the anding over the cuments cuments f to hold down the d to hold down the oned.	yraphy ode an ns in / naration aration aration aration not an not do not do not do not do	00% Ra 30% Ra 3pecific 3pecific sign, F sign, F sign, F sign, F surface surface	r drawing ate shall I the stipu ponsible for ction, Te ction, Te th all rele th all rele round. A r every n nternal s	 Tank nozzle orientation, refer drawing **** All nozzle fabricated from plate shall be 1 Tank Tolerances shall meet the stipulation Inspection & Test shall be as per Code / S Sub-contractor shall be responsible for De Fabricatiion stagewise inspection, Testing To be read in conjunction with all relevant Tank will be installed underground. Ancho Washers shall be fixed under every nuts in After Hydro test of the tank, internal side sa a deterrent to corrosion till the tank is a 	ank nozzle orienta Il nozzle fabricateo Ank Tolerances sh hspection & Test sh bub-contractor shal bub-contractor shal bub-contractor shal bub-contractor shal bub-contractor shal bub-contractor shal bub-contractor shal bub-contractor shall be read in conjut o be read in conjut o be read in conjut ank will be installe ank will be installe Vashers shall be fix Mathematication to co	16. Tank 17. All no: 18. Tank 19. Inspec 20. Sub-c 21. Fabric 21. Fabric 22. Tank 23. Wash 24. After l as a c
	abrication.	n before f	ings & QA plar line. oil industry star	ication drav IX. off. /essel outer /essel outer A.)	ailed fabricat ainted. SME SEC IX. SME doff. ounded off. ounded off. ounded surface	 and as per applicable standard / spec. Sub-contractor to submit detailed fabrical. Earthing lugs are not to be painted. Welding procedure as per ASME SEC I. Welding corners should be rounded off. All sharp corners should be rounded off. Nozzle projection is measured from vesting to the sternal in the sternal side surface. 	t as per app b-contractor thing lugs a Iding proce sharp corne sharp corne zzle project zzle project nk coating &	10. Sul 11. Eau 12. We 13. All 14. No 15. Tau Ext
	tor <u>.</u>	In contrac ficates. B. ractor sheet	tor. ** by Ma rise aterial test certi B16.47 Series 5 AARH. provided, for ed as per code cified sub-cont	Sub-contract cified otherw all submit ma B-16.5 and finish of 128 pports to be all be provid all be provid flanges spe flanges spe	sh by the (nless spe tractor sha per ANSI /e surface gusset su gusset su F. pad sh F. pad sh F. pad sh es or blind nuts. ude all cor	ndicates data to be furnish b dimensions are in mm, unle- or to fabrication, sub-contrac nozzle flange face shall have s zzle flange face shall have s rozzle size up to 50NB gus zle size above 50NB, R.F. p erever companion flanges c erever companion flanges c bolt holes shall straddle cen bolt holes shall straddle cen	Indicates dat I dimensions rior to fabrica I nozzle flange f ozzle flange f ozzle size abo pzzle size abo pzzle size abo nall supply ga nall supply ga nall supply ga	 1. * Indic 2. All dime 3. Prior to 3. Prior to 4. All nozzle 5. Nozzle 6. For noz 6. For nozzle 7. Where 8. All bolt 9. Sub-co and as
Sr. No.	Sub-contractor		& platform	s, Ladder 8	Fastner	arthing Boss, I	gs, E	Lifting
Super Sleev								
Extern Struct Coupl	with cover with cover	380		6 Thk.	700		Manhole Manhole	M2 M1
	with Blind flar with Flame ar with dip pipe(I with Impinger	300 300 300x125 680	50# SORF 50# SORF 50# SORF 50# SORF	SCH.	 → 100 150×100 80 80 	uction Nozzle Nozzle Nozzle zle	Spare Suction Air Vent Nozzle Suction Nozzle Dip Nozzle	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
ed) Manh	Remark with dip pipe(Perforated)	Nozzle Proje 300x125	Rating 50# SORF	nances Thk. / Sch. SCH. 40	Appurte Nom. Bore 100x80	tle Shell /	Service Fill Nozz	Nozzle N1
	0 ce of tank	Surfa	er / as per external si s	G Q X			by	Hydrotest Painting Inspection Area Class
	Operating : VTA	: VTA ;	nti Stokes VTA ; Hydro) Cer oty :		e @ 40° C C	Vapour Pressure Viscosity @ 40° (Weight (Kg.)	Vapour P Viscosity Weight (ł
		1) 2002	1893 (part	N.A. As per IS N.A.		Quake Factor	Earth	Code for I Insulation
							graphy Efficiency	Radio
			Ends: 3	Amb. Shell : 3,		ance mm	Operating Pressur Operating Temp. Corrosion Allowan	Opera Corros
				C			n Pressure n Temp.	Design P Design T
		(Jet A1)	aded Fuel (J 0.840	45.24 KL Down Gr 0.775 to		al / Gross) iquid	Capacity (Normal Product SP. Gravity of Lio	Capac Produ
Gener	b)	ce (GEP	Engg. Practice	ner		· 	(Design	Code (Des
	3000 ID x 6400 Length.		Size (MM)	ATF	Graded	: - Down (Description	Item Descr Orientation
Plant			Qty. (No			: UG-21⁄	<u>.</u>	Tag. No

		061
	0	Note:
d for any other purpose. ch is due to an error or omission in data supplied to us by	not be relied upon by any other party or use se, or containing any error or omission whic	ptioned project only. It should i being used for any other purpo:
	lied	oat of Linseed Oil shall be appl
20t Bas	DN.	e got approved before fabricatio
Wear plate		
	Scope	5. System
380		tem Supply
300		e Supports & eve External
	- 13 2002 GI. B - IS 2062 Gr. B 	uctural smals uplings
	: SA 193-B7	ts for Structure
	CAF SA 193-R7	skets for Nozzlae
	: IS 2062 Gr. B : SA 106Gr.B/ SS 316L : SA 105/ SS 316L	nhole Flanges (Plates) zzle Necks / Dip Pipe
	- IS 2062 Gr. B	nhole Necks (Plates)
		terial Spec.
End Plate Stiffners at both ends Min. ISMC 75x6		
12 Thk. MS Sheet (End Plate)		
40		
Finished Ground Level		
		neral Technical Specification
440 V6 N3 400	*	tion : Fuel System
<	ation of Existing Fuel Farm	nt : Moderniza



SSUE FOR CONSTRUCT	ISTRU		N
1m			2m
	Drawn	R.D.	
n of Existing Fuel Farm	Checked	N.G.	
Λ ΔΤΕ	Approved	V.S.T.	
	Scale at A3		
Í	1: 30	30	
38-MSB-0001-01	Security STD	Status CON	Rev B

Ъ	Size	Qty
MH.Shell	2500 x 10000 x 6 thk	3 Nos
<u>.</u>	2500 x 10000 x 12 thk 1 No	1 No

CE Rev 01	STD Status	Security STD	Drawing Number 322538-PIC-0003-01							w www.mottmac.com	Noida w www.mottmac.com 201301 India	C
	Checked HRS Approved VST Scale at A3 NTS	Drawn Checked Approved Scale at A	Modernization of Existing Fuel Farm Process & Instrument Diagram of Down Graded ATF Transfer System	HRS VST	Drawn Description AGG Issued for engineering AGG Revised as per client's comment AGG & Issued For Engineering	Key Date Dr 0 18.05.15 A 01 21.05.15 A		M/s Delhi Aviation Fuel Facility Pvt. Ltd. Aviation Fuelling Station Shahbad,Muhammad Pur IGI Airport,New Delhi - 110	82	MacDonald T +91 (0)12 0254 35 F +91 120 254 3562		
		-	- pp	e. omission in data s	other party or used for any other purpos or omission which is due to an error or	וא – – – – – – – – – – – – – – – – – – –	Collection Tank UG-214 (1:50) 01 broject only. It should not be sed for any other purpose, or	rposes connected with the captioned upon by any other party, or being us	oned it and for specific put his document being relied	ed for the party which commissi sibility for the consequences of t	Mott MacDonald This document is issue Ne accept no responsi	-- ≤ -1 ⊚
			150#300# PF-214	E-102-(BV-0306 T	G.L NC 3/4"	M2/4" N2/4" N4/6"X4" ►	Down Graded ATF	∩ ⊢ 		Note-5 01	(@) (@)	
(3)		Note-5	Holdx3"CH-0301 Holdx3"CH-0301 Holdx3"CH-0301	A A A A A A A A A A A A A A	DATF-0302-A21A-4" DATF-0305	DATF	Note-3	01 DATF-0301-A21A-3"			Tanker	
	Tanker		►1	PG PF-214	5-A21A-1"							
	@ 2.0 Kg/cm ² g	01	PF-214 Down Graded ATF Transfer Pump	N								
y MOC Remarks CS		01 01	Equipment List ^{br} Tag No. Description UG-214 Down Graded ATF Collection Tank	רק איר								
e the ground level.	B-0001-01. point, shall br nall be 3/4" neters above t type.	538-PIB- Iowest p Irain sha han 4 m€ 1 taper ty	 Note : 1. For abbreviation & symbols refer drawing no 322538-PIB-0001-01. 2. The vent at the highest point and the drain at the lowest point, shall be provided in the pipe lines. The size of vent and drain shall be 3/4". 3. The vent shall be located at a height of not less than 4 meters above the ground level. 4. All ball valves shall be considered as quarter turn taper type. 5. Earthing provision for truck. 	01 3 2 1 Z								



