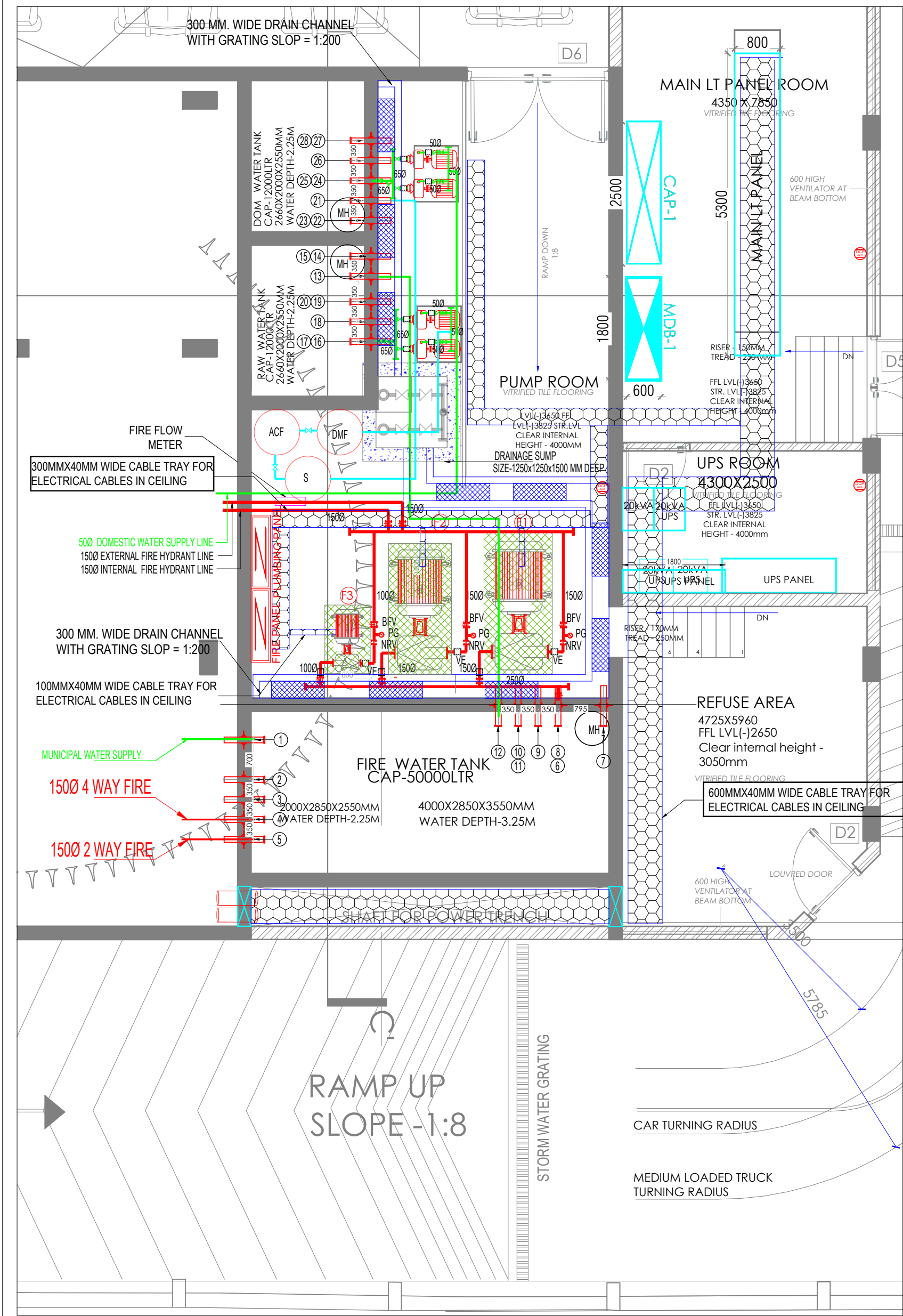
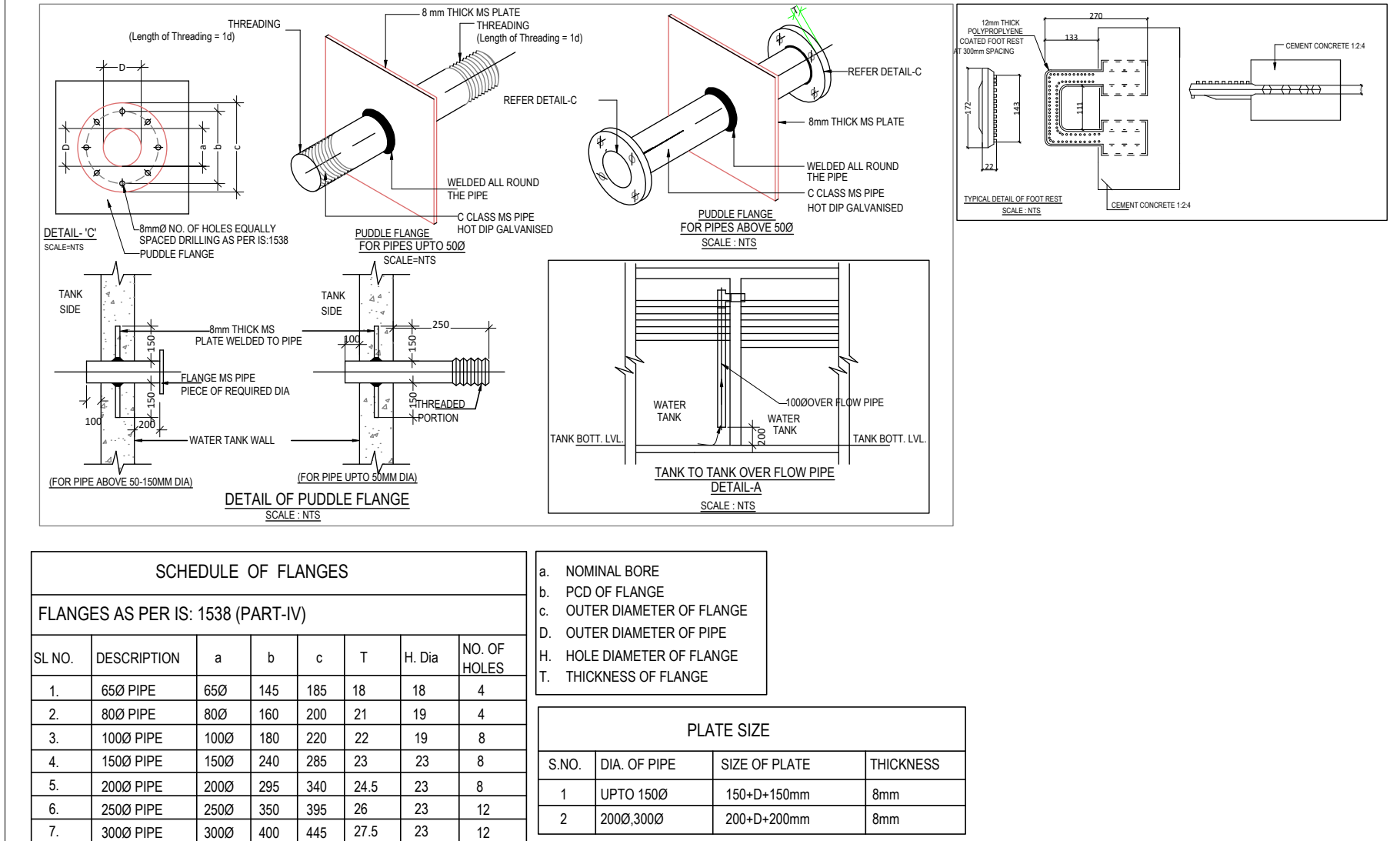




PUMP ROOM PLAN
1:150



NOTES :

REFER TO SAS/SA/A(CH)7.35- PUMP ROOM DETAILS FOR SLEEVE HEIGHTS

SIZE OF PUMPS & EQUIPMENTS					
REF. NO.	DESCRIPTION	NOS.	CAPACITY	HEAD	
1	F1 = DIESEL ENGINE PUMP	1	2280 LPM	70 mtrs.	
2	F2 = FIRE PUMP	1	2280 LPM	70 mtrs.	
3	F3 = JOCKEY PUMP	1	180 LPM	70 mtrs.	
4	P1 =DOMESTIC WATER TRANSFER PUMPS	2	100 LPM	50 mtrs.	
5	P2 =FILTER FEED PUMPS	2	100 LPM	35 mtrs.	
6	P3 DRAINAGE SUMP	2	180 LPM	15 mtrs.	
7	DMF= DUEL MEDIA FILTER	1	6000 LPH	-----	
8	ACF= ACTIVATE CARBAN FILTER	1	6000 LPH	-----	
9	S = SOFTENER	1	6000 LPH	-----	

PUDDLE FLANGE NO.	DESCRIPTION	SIZE OF PIPE	NO. OF PUDDLE FLANGE	PUDDLE FLANGE INVERT LVL.
FIRE WATER TANK				
1.	PUDDLE FLANGE FOR MUNICIPAL INLET CONNECTION	1000	1	(-)850
2.	PUDDLE FLANGE FOR BORE WELL INLET CONNECTION	1000	1	(-)850
3.	PUDDLE FLANGE FOR TANKER INLET CONNECTION	1000	1	(-)850
4.	PUDDLE FLANGE FOR FIRE BRIGADE INLET CONNECTION	1500	1	(-)850
5.	PUDDLE FLANGE FOR FIRE WITHDRAWAL CONNECTION	1500	1	(-)850
6.	PUDDLE FLANGE FOR SUCTION PIPE	2000	1	(-)3000
7.	PUDDLE FLANGE FOR TANK DRAIN OUT	1000	1	(-)3200
8.	PUDDLE FLANGE FOR VENT PIPE	1000	1	BOTTOM OF SLAB
9.	PUDDLE FLANGE FOR OVER FLOW TANK TO PLANT ROOM	1000	1	(+)50
10.	PUDDLE FLANGE FOR LEVEL INDICATOR (TOP)	250	1	(+)150
11.	PUDDLE FLANGE FOR LEVEL INDICATOR (BOTTOM)	250	1	(-)3100
12.	PUDDLE FLANGE FOR FIRE TANK OVER FLOW TO RAW WATER TANK	1000	1	(+)50
RAW WATER STORAGE TANK				
13.	PUDDLE FLANGE FOR WATER INLET CONNECTION	800	1	(-)850
14.	PUDDLE FLANGE FOR DRAIN PIPE	1000	1	(-)3200
15.	PUDDLE FLANGE FOR VENT PIPE	650	1	BOTTOM OF SLAB
16.	PUDDLE FLANGE FOR OVER FLOW TANK TO PLANT ROOM	1000	1	(-)950
17.	PUDDLE FLANGE FOR SUCTION PIPE	800	1	(-)3000
18.	PUDDLE FLANGE FOR LEVEL CONTROLLER	250	1	(-)850
19.	PUDDLE FLANGE FOR LEVEL INDICATOR (TOP)	250	1	(-)850
20.	PUDDLE FLANGE FOR LEVEL INDICATOR (BOTTOM)	250	1	(-)3100
DOM WATER STORAGE TANK				
21.	PUDDLE FLANGE FOR WATER INLET CONNECTION	800	1	(-)850
22.	PUDDLE FLANGE FOR DRAIN PIPE	1000	1	(-)3200
23.	PUDDLE FLANGE FOR VENT PIPE	650	1	BOTTOM OF SLAB
24.	PUDDLE FLANGE FOR OVER FLOW TANK TO PLANT ROOM	1000	1	(-)850
25.	PUDDLE FLANGE FOR SUCTION PIPE	800	1	(-)3000
26.	PUDDLE FLANGE FOR LEVEL CONTROLLER	250	1	(-)850
27.	PUDDLE FLANGE FOR LEVEL INDICATOR (TOP)	250	1	(-)850
28.	PUDDLE FLANGE FOR LEVEL INDICATOR (BOTTOM)	250	1	(-)3100

NOTES :

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This drawing supercedes all previous drawings issued for the information contained in the drawing. All discrepancies shall be brought to the notice of the architects before execution of the work. Any modifications at site w/o prior written information to the Architect are the responsibility of the Owner.

CONSTRUCTION NOTES :

- The work shall be executed with proper safety guidelines.
- The Plumbing system shall be installed accordance to NBC-2016 Part-9 and relative Plumbing IS codes.
- The material shall be used according to tender specification
- Ensure pipes are sized correctly to meet the system flow & pressure requirement.
- Install shut-off valves and check valves as required.
- Ensure pipes are sloped correctly and vented to prevent siphoning and blockages. .

LEGENDS :

SYMBOL	DESCRIPTION
	BUTTERFLY VALVE
	NON RETURN VALVE
	BALL VALVE
	PRESSURE SWITCH
	PRESSURE GAUGE
	PRESSURE VESSEL
	CONTROL PANEL FOR FIRE PUMP
	VIBRATOR ELIMINATOR
	AIR RELEASE VALVE
	Y STRAINER

REVISION NOTES :		
No.	DETAIL	DESCRIPTION

PROJECT:

SOUTH AFRICA HIGH COMMISSION

PROJECT OWNER/ DEVELOPER:

INTERNATIONAL RELATIONS & COOPERATION, REPUBLIC OF SOUTH AFRICA

ARCHITECT:

Spaces Architecture Studio
V-12/23 DLF-3, Gurugram.
Ph.: 0124-4734320
e-mail: contact@studiosas.in
<https://www.studiosas.in>

CONSULTANT:

MEP CONSULTANTS:-

MULTIPLE SERVICES CONSULTANTS
253/B, Rajpur Khurd Extension,
Chattarpur, New Delhi-110068.
Ph. no. -8920225677/8920228058
msc@msc-mep.com

PURPOSE OF DWG:

☒ Issued for Tender

☐ Issued for Construction

☐ Issued for Reviw

☐ Issued for Information

DRAWING TITLE:

PUMP ROOM DETAIL LAYOUT

DISCIPLINE :	PLUMBING	16.10.25
DRAWING NO:	MSC/SA/PL-17	REV: