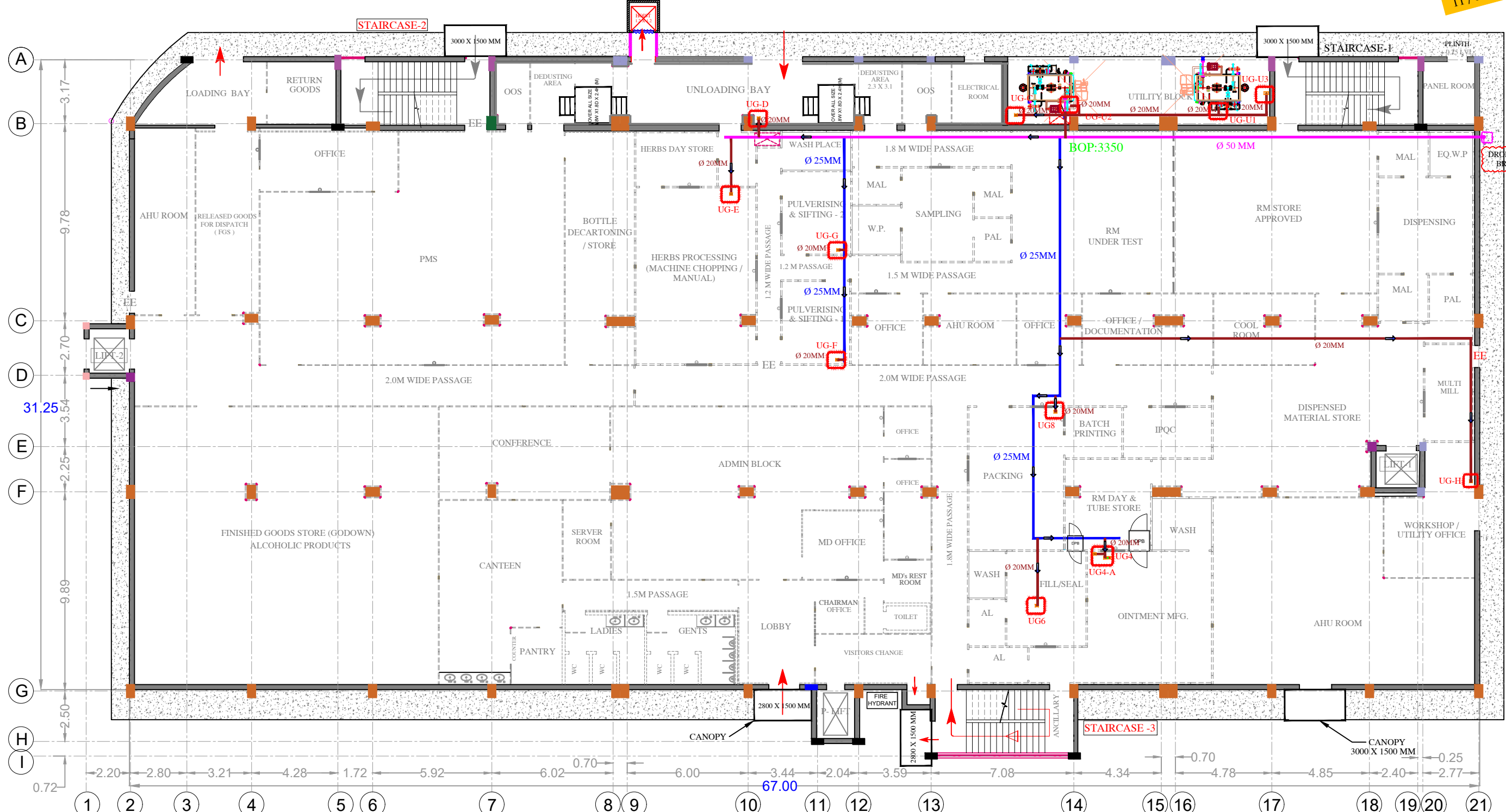


COMPRESSED AIR (NON - LUBRICATED) PIPE ROUTE - (GROUND FLOOR)

11 / 03 / 2024



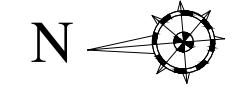
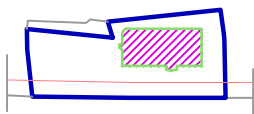
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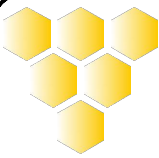
CODE	LOCATION	CODE	LOCATION
UG-4	OINTMENT MFG. PLANT FOR TEMPERATURE CONTROL MODULE - STEAM LINE (OINTMENT MFG. PLANT)	UG-U1	BOILER - 1
UG-6	FILL / SEAL MACHINE	UG-U2	BOILER - 2
UG-8	CARTONING MACHINE	UG-U3	ON LINE BOILER EFFICIENCY MONITORING SYSTEM.
UG -C	CONDENSATE RECOVERY UNIT		
UG -D	UNLOADING BAY		
UG -E	HERBS PROCESSING ROOM		
UG -F	PULVERISER AND SIFTING 1		
UG -G	PULVERISER AND SIFTING 2		
UG -H	WORKSHOP - OUTSIDE		

	COMPRESSED AIR (N.L) - M.O.C - ALUMINIUM
	TAPPING TO USER POINT - M.O.C - SS 316
	DROPPING INSIDE DEPARTMENT - M.O.C - SS 316
	NOTE : PIPE SIZE IS MENTIONED IN THE DRAWING.
	TOTAL NO. OF USER POINTS :- 13 NOS.
	BOTTOM OF PIPE (BOP) :- 3.35 M FROM FFL
	DROPPING HEIGHT :- 1.2 M FROM FFL OR AS PER EQUIPMENT CONNECTION REQUIREMENT.

NOTE :- 1) ALL PIPE LINE PROPOSED SIZES TO BE CONFIRMED AS PER PRESSURE REQUIREMENT AND STANDARD SIZE AVAILABLE IN MARKET AND AS PER CURRENT PRACTICE IN MARKET.
 2) ANY ITEMS ,VALVES, ACCESSORIES REQUIRED BUT IT IS MISSING IN OUR DRAWINGS SHOULD BE INDICATES AND INCLUDED IN BOQ.
 3) PIPE ROUTE IS ONLY INDICATIVE , IT MAY VARY AS PER SITE FEASIBILITY.

HEIGHT DETAILS :-
 BOTTOM OF SLAB :- 4.0 M
 BOTTOM OF BEAM :- 3.450 M
 FALSE CEILING HEIGHT :
 PLEASE REFER FALSE CEILING LAYOUT





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ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.

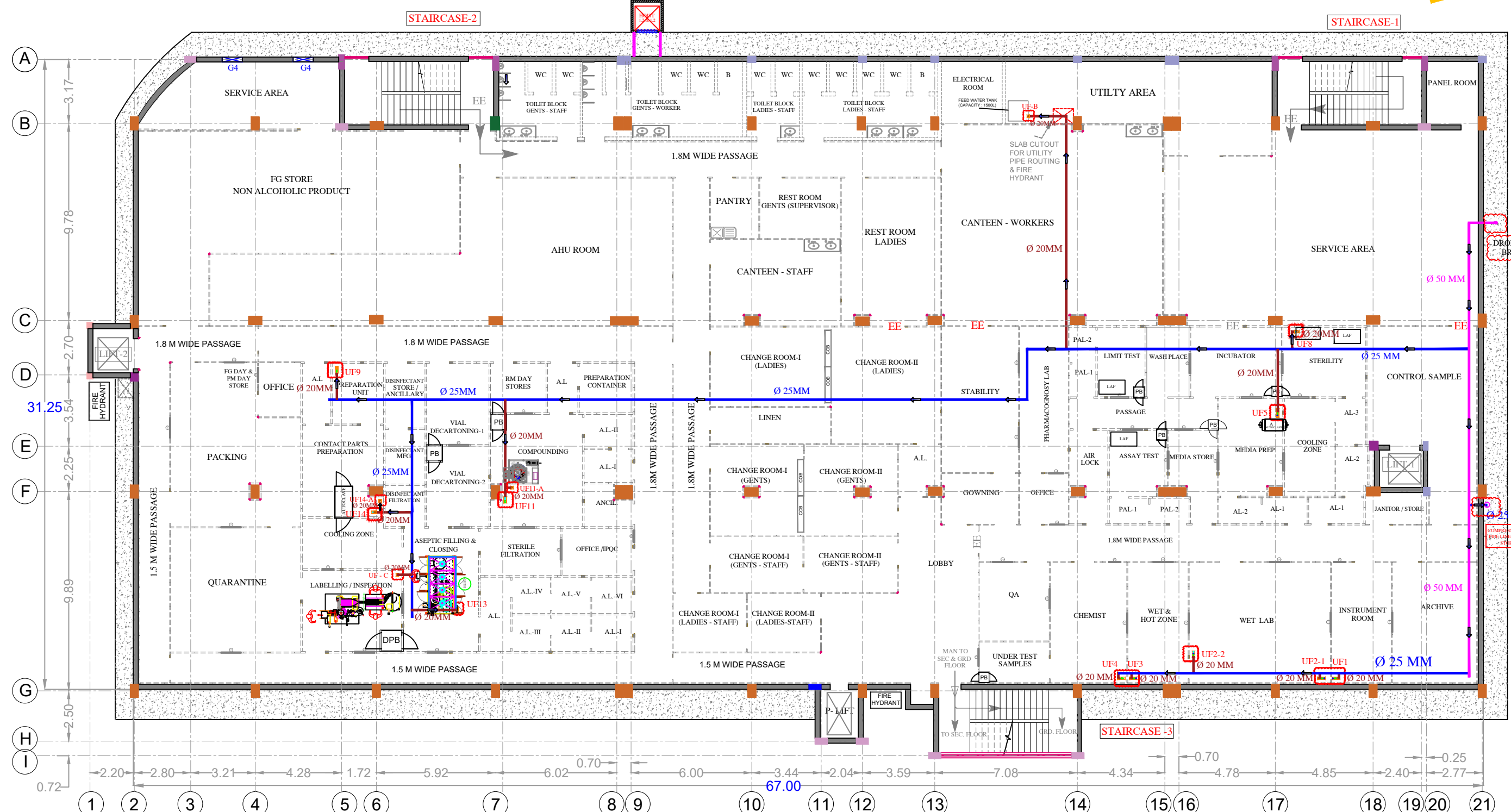
DRAWN BY	CHECKED BY	DATE	SCALE	DWG NO.	REVISION
ABID H.	I ANSARI	19-02-2024	N.T.S	KT/HO/PP/GF/ST-AD/A.2	-

TITLE COMPRESSED AIR (NON LUBRICATED) - (GROUND FLOOR)

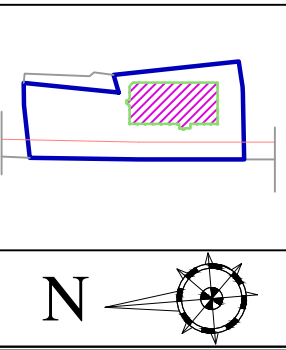
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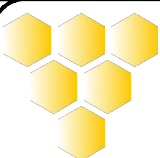
COMPRESSED AIR (NON LUBRICATED) PIPE ROUTING - (FIRST FLOOR)

11 / 03 / 2024



LEGENDS :		CODE LOCATION		HEIGHT DETAILS FROM FFL :-	
UF5	MEDIA PREPARATION ROOM	UF-1	INSTRUMENT ROOM	PROPOSED PIPE ROUTE (MOC :- ALUMINIUM)	BOTTOM OF SLAB :- 4.64 M
UF8	STERILITY TEST	UF-2-1	WET LAB	TAPPING TO USER POINT (MOC :- SS316)	BOTTOM OF BEAM :- 4.0 M
UF9	UNIT PREPARATION - AUTOCLAVE	UF-2-2	WET LAB	DROPPING INSIDE DEPARTMENT - M.O.C. - SS316	FALSE CEILING HEIGHT :- (PLEASE REFER FALSE CEILING LAYOUT)
UF11	MANUFACTURING VESSELS - 100 LITERS	UF-3	WET & HOT ZONE	NOTE : PIPE SIZE IS MENTIONED IN THE DRAWING.	
UF11-A	FOR TEMPERATURE CONTROL MODULE - STEAM LINE	UF-4	CHEMIST ROOM	TOTAL NO. OF USER POINTS :- 15 NOS.	
UF13	ASEPTIC FILLING & CLOSING MACHINE			BOP (BOTTOM OF PIPE) - 3.6 M FROM	
UF14	CONTACT PARTS PREPARATION - AUTOCLAVE			DROPPING HEIGHT :- 1.2 M FROM FFL OR AS PER EQUIPMENT CONNECTION REQUIREMENT.	
UF14-A	FOR TEMPERATURE CONTROL MODULE - STEAM LINE				
UF-B	FOR BOILER FEED WATER TANK - ON OFF PISTON ACTUATED VALVE				
UF-C	LABELLING / INSPECTION				
NOTE : PIPE ROUTE IS ONLY INDICATIVE . IT MAY VARY AS PER SITE FEASIBILITY.		NOTE :- 1) ALL PIPE LINE PROPOSED SIZES TO BE CONFIRMED AS PER PRESSURE REQUIREMENT AND STANDARD SIZE AVAILABLE IN MARKET AND AS PER CURRENT PRACTICE IN MARKET.			
		2) ANY ITEMS , VALVES, ACCESSORIES REQUIRED BUT IT IS MISSING IN OUR DRAWINGS SHOULD BE INDICATES AND INCLUDED IN BOQ.			





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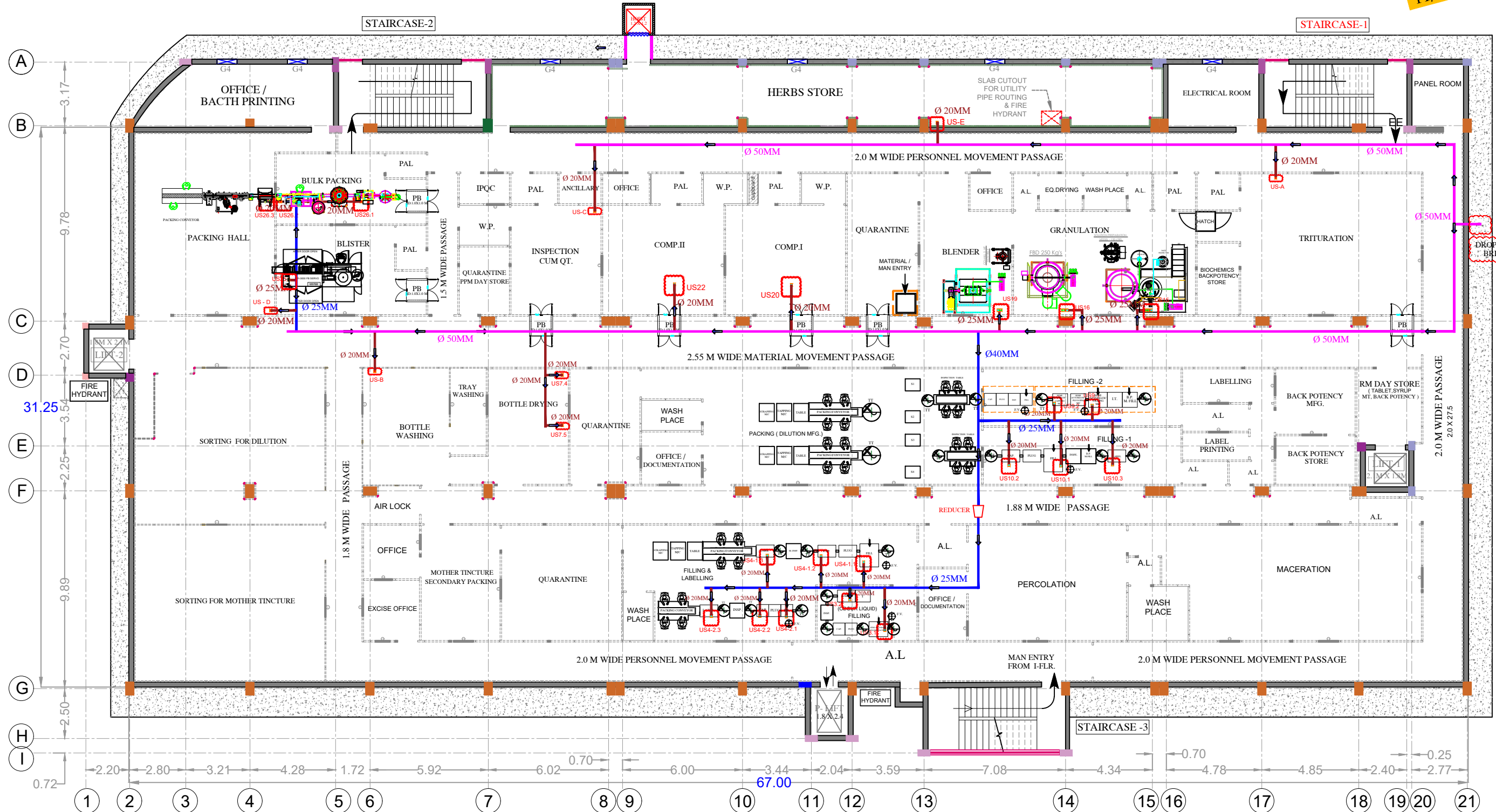
DRAWN BY	CHECKED BY	DATE	SCALE	DWG NO.
ABID H	I ANSARI	11-03-2024	N.T.S	KT/H0/FF/QC-CH/A.2

TITLE: UTILITY PIPE ROUTING - (FIRST FLOOR)

FILE: Z:\Homco\2024\UTILITY - 2024\CompressorPipe routing\1 Compressed Air - Non lubricated - 1F - 11 - 03 2024.dwg

COMPRESSED AIR (NON LUBRICATED) PIPE ROUTE - (SECOND FLOOR)

11/03/2024



LEGENDS :

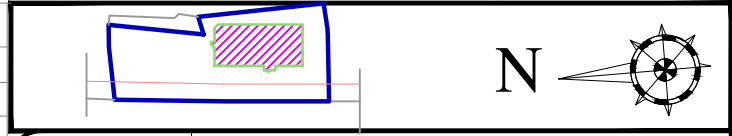
CODE	LOCATION	CODE	LOCATION
US-3.1	SEMI AUTOMATIC FOUR HEAD FILLING M/C	US7.5	FOR TEMPERATURE CONTROL MODULE (STEAM LINE) - TRAY DRIER
US-3.2	LABELLING MACHINE	US-15	RMG (RAPID MIXTURE GRANULATOR) - 600 LITERS
US4-1.1	AUTOMATIC FOUR HEAD FILLING M/C	US-16	FBD (FLUID BED DRYER) - 250KG
US4-1.2	AUTOMATIC SINGLE HEAD SCREW CAPPING M/C	US-19	OCTAGONAL BLENDER - 1200 LITERS
US4-1.3	LABELLING MACHINE	US-25	BLISTER PACKING MACHINE
US4-2.1	FILLING M/C	US-26.1	AIR JET CLEANER SYSTEM
US4-2.2	CAPPING MACHINE	US-26.2	SINGLE HEAD SCREW TYPE CAPPING MACHINE
US4-2.3	LABELLING MACHINE	US-26.3	INDUCTION SEALING MACHINE
US9.1	AUTOMATIC FOUR HEAD FILLING M/C	US-A	TRITURATION ROOM
US9.2	AUTOMATIC SINGLE HEAD SCREW CAPPING MACHINE	US-B	BOTTLE WASHING
US10.1	AUTOMATIC FOUR HEAD FILLING M/C	US-C	INSPECTION CUM QUARANTINE
US10.2	AUTOMATIC SINGLE HEAD SCREW CAPPING MACHINE	US-D	PACKING HALL (BLISTER / BULK)
US10.3	LABELLING MACHINE		
US7.4	FOR TEMPERATURE CONTROL MODULE (STEAM LINE) - TRAY DRIER		

CODE	LOCATION
US-20	COMPRESSION -1 (45 STATION - DOUBLE ROTARY)
US-22	COMPRESSION -2 (75 STATION - DOUBLE ROTARY)
US-E	HERBS STORE

NOTE :- 1) ALL PIPE LINE PROPOSED SIZES TO BE CONFIRMED AS PER PRESSURE REQUIREMENT AND STANDARD SIZE AVAILABLE IN MARKET AND AS PER CURRENT PRACTICE IN MARKET.
 2) ANY ITEMS , VALVES, ACCESSORIES REQUIRED BUT IT IS MISSING IN OUR DRAWINGS SHOULD BE INDICATES AND INCLUDED IN BOQ.
 3) PIPE ROUTE IS ONLY INDICATIVE , IT MAY VARY AS PER SITE FEASIBILITY.

PROPOSED PIPE ROUTE (MOC :- ALUMINIUM)
 TAPPING TO USER POINT (MOC :- SS 316)
 DROPPING INSIDE DEPARTMENT - M.O.C. - SS 316
 TOTAL NO. OF USER POINTS :- 29 NOS.
 NOTE : PIPE SIZE IS MENTIONED IN THE DRAWING.
 BOP (BOTTOM OF PIPE) - 4.4 M FROM
 DROPPING HEIGHT :- 1.2 M FROM FFL OR AS PER EQUIPMENT CONNECTION REQUIREMENT.

HEIGHT DETAILS FROM FFL :-
 BOTTOM OF SLAB :- 5.08 M
 BOTTOM OF BEAM :- 4.52 M
 FALSE CEILING :- PLEASE REFER FALSE CEILING LAYOUT



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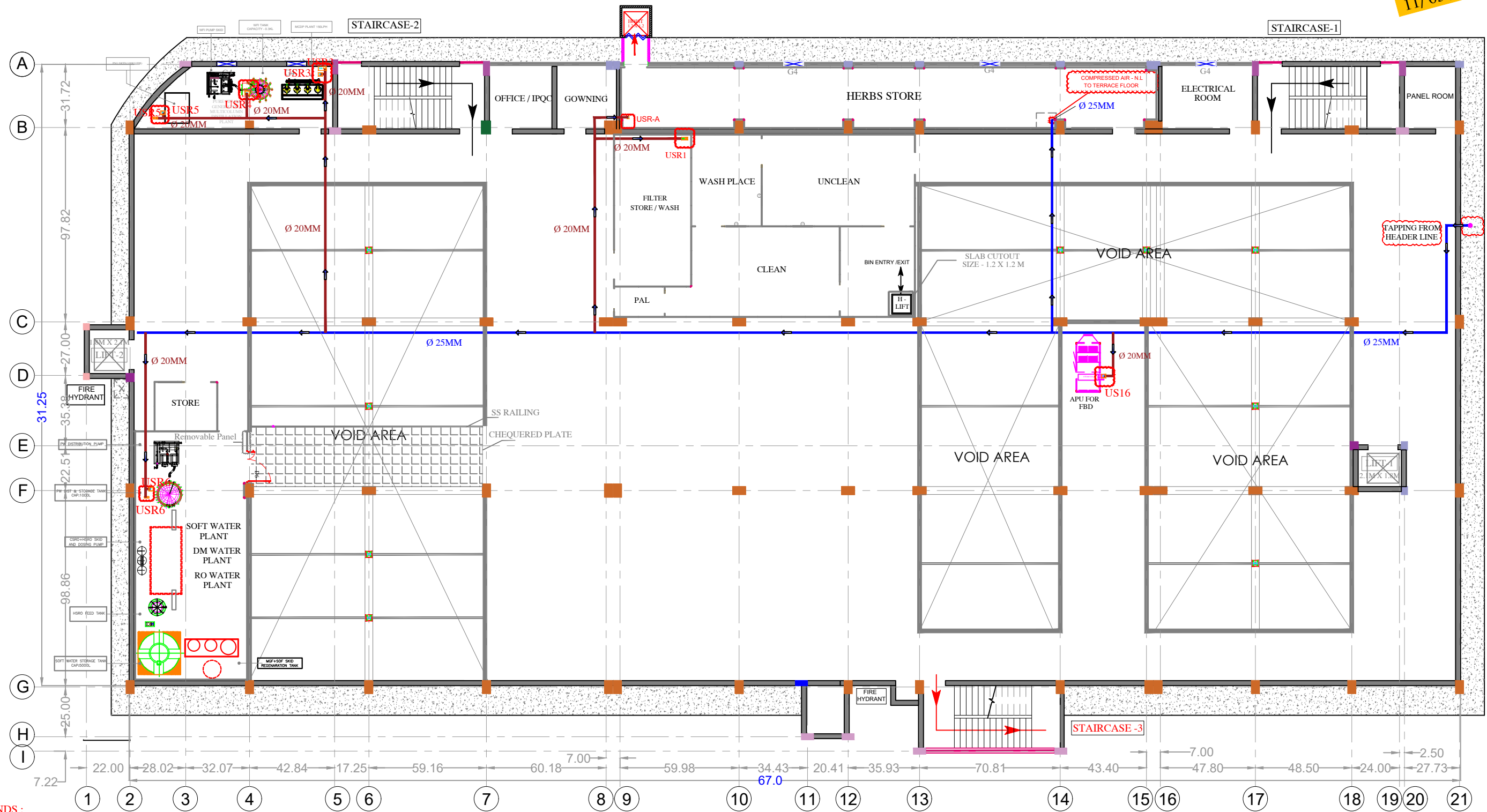
ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.

DRAWN BY	CHECKED BY	DATE	SCALE	DWG NO.	REVISION
ABID H	T ANSARI	11-03-2024	N.T.S	KT/HO/P/SF/PRO/A2	-

TITLE: COMPRESSED AIR (NON LUBRICATED)PIPE ROUTE-(SECOND FLOOR)
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COMPRESSED AIR (NON LUBRICATED) PIPE ROUTE - (SERVICE FLOOR)

11/03/2024



LEGENDS :	
CODE	LOCATION
US16	FOR TEMPERATURE CONTROL MODULE (FBD - APU)
USR3	FOR TEMPERATURE CONTROL MODULE (WFI PLANT - 150LPH)
USR4	FOR TEMPERATURE CONTROL MODULE (WFI STORAGE TANK - 300L)
USR5	FOR TEMPERATURE CONTROL MODULE (PURE STEAM GENERATOR - 100KG/HR)
USR6	FOR TEMPERATURE CONTROL MODULE (PURIFIED WATER STORAGE TANK - 1000 LITERS)
USR1	FILTER WASH
USR3	WFI PLANT - 150LPH
USR5	PURE STEAM GENERATOR - 100KG/HR
USR6	PURIFIED WATER PLANT - 2000 LITERS
USR-A	HERBS STORE

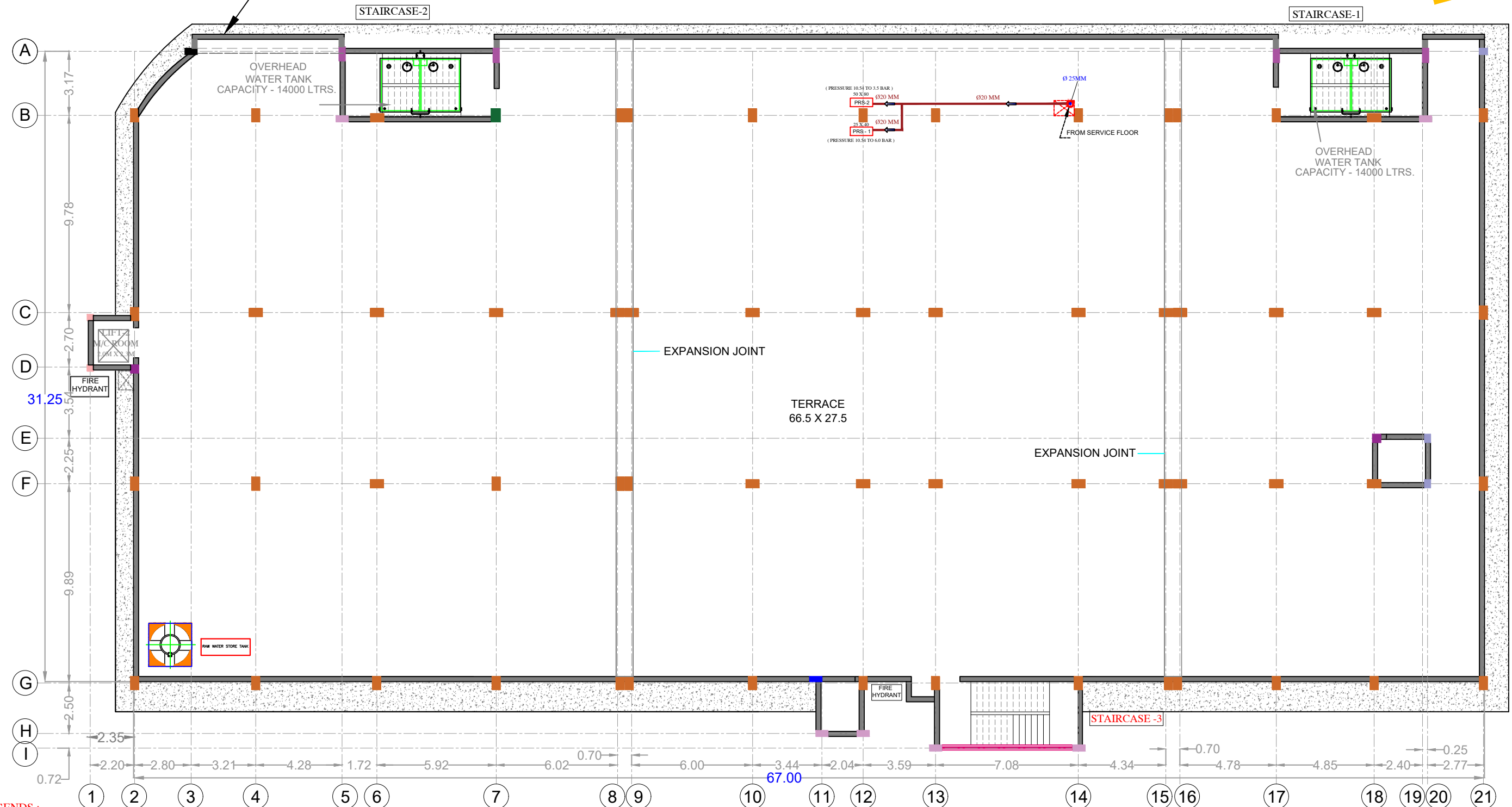
<p>— PROPOSED PIPE ROUTE (M.O.C - ALUMINIUM)</p> <p>— TAPPING TO USER POINT (MOC :- SS 316)</p> <p>DROPPING INSIDE DEPARTMENT - M.O.C. - SS 316</p> <p>NOTE : PIPE SIZE IS MENTIONED IN THE DRAWING.</p> <p>TOTAL NO. OF USERS POINTS :- 10 NOS.</p> <p>BOP (BOTTOM OF PIPE) :- 2.0 M FROM FFL</p> <p>DROPPING HEIGHT :- 1.2 M FROM FFL OR AS PER EQUIPMENT CONNECTION REQUIREMENT.</p>	<p>HEIGHT DETAILS FROM FFL:</p> <p>BOTTOM OF SLAB : 2.7 M</p> <p>BOTTOM OF BEAM : 2.1 M</p> <p>FALSE CEILING : PLEASE REFER FALSE CEILING LAYOUT</p>
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<p>NOTE :- 1) ALL PIPE LINE PROPOSED SIZES TO BE CONFIRMED AS PER PRESSURE REQUIREMENT AND STANDARD SIZE AVAILABLE IN MARKET AND AS PER CURRENT PRACTICE IN MARKET.</p> <p>2) ANY ITEMS , VALVES, ACCESSORIES REQUIRED BUT IT IS MISSING IN OUR DRAWINGS SHOULD BE INDICATES AND INCLUDED IN BOQ.</p> <p>3) PIPE ROUTE IS ONLY INDICATIVE , IT MAY VARY AS PER SITE FEASIBILITY.</p>	
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<p>HOMCO.</p> <p>CONSULTANT:KNACK TECHNOCRATS</p> <p>42 AVINASH, J.P. ROAD, ANDHERI (W), MUMBAI - 400 053</p> <p>TEL: 91 22 26314010,26361629</p> <p>EMAIL : info@knacktechnocrats.com</p> <p>ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.</p>					
<p>DRAWN BY</p> <p>ABID H</p>	<p>CHECKED BY</p> <p>T ANSARI</p>	<p>DATE</p> <p>11-03-2024</p>	<p>SCALE</p> <p>N.T.S</p>	<p>DWG NO.</p> <p>KT/HO/P/SR/A2</p>	<p>REVISION</p> <p>-</p>
<p>TITLE</p> <p>COMPRESSED AIR (NON LUBRICATED) PIPE ROUTE - (SERVICE FLOOR)</p>					
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COMPRESSED AIR (NON LUBRICATED) PIPE ROUTE - (TERRACE FLOOR)

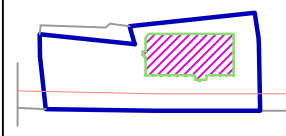
11 / 03 / 2024

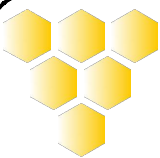


LEGENDS :

CODE	LOCATION	DESCRIPTION
PR1	FOR PRESSURE REDUCING STATION (PRESSURE 10.54 TO 6.0 BAR)	PROPOSED PIPE ROUTE (M.O.C - ALUMINIUM)
PR2	FOR PRESSURE REDUCING STATION (PRESSURE 10.54 TO 3.5 BAR)	TAPPING TO USER POINT (MOC - SS316)
		DROPPING INSIDE DEPARTMENT - M.O.C. - SS 316
		NOTE : PIPE SIZE IS MENTIONED IN THE DRAWING.
		TOTAL NO. OF USERS POINTS :- 2 NOS.
		BOP (BOTTOM OF PIPE) :- 1.0 M FROM FFL
		DROPPING HEIGHT :- 1.2 M FROM FFL OR AS PER EQUIPMENT CONNECTION REQUIREMENT.

NOTE :- 1) ALL PIPE LINE PROPOSED SIZES TO BE CONFIRMED AS PER PRESSURE REQUIREMENT AND STANDARD SIZE AVAILABLE IN MARKET AND AS PER CURRENT PRACTICE IN MARKET.
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ABID H	T ANSARI	11-03-2024	N.T.S	KT/HO/P/SR/C.4	-

TITLE : COMPRESSED AIR (NON LUBRICATED) PIPE ROUTE - (TERRACE FLOOR)

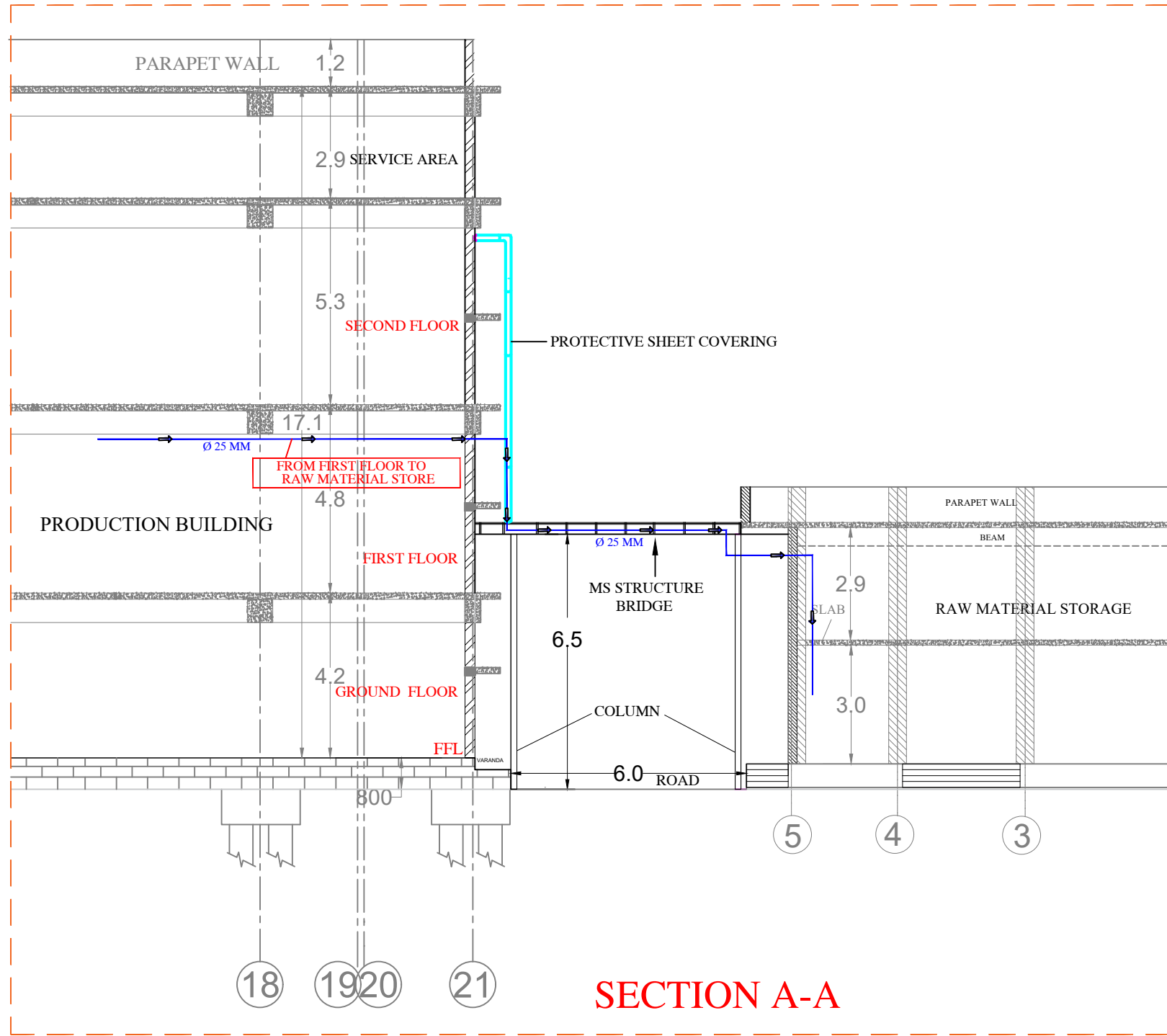
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11/03/2024

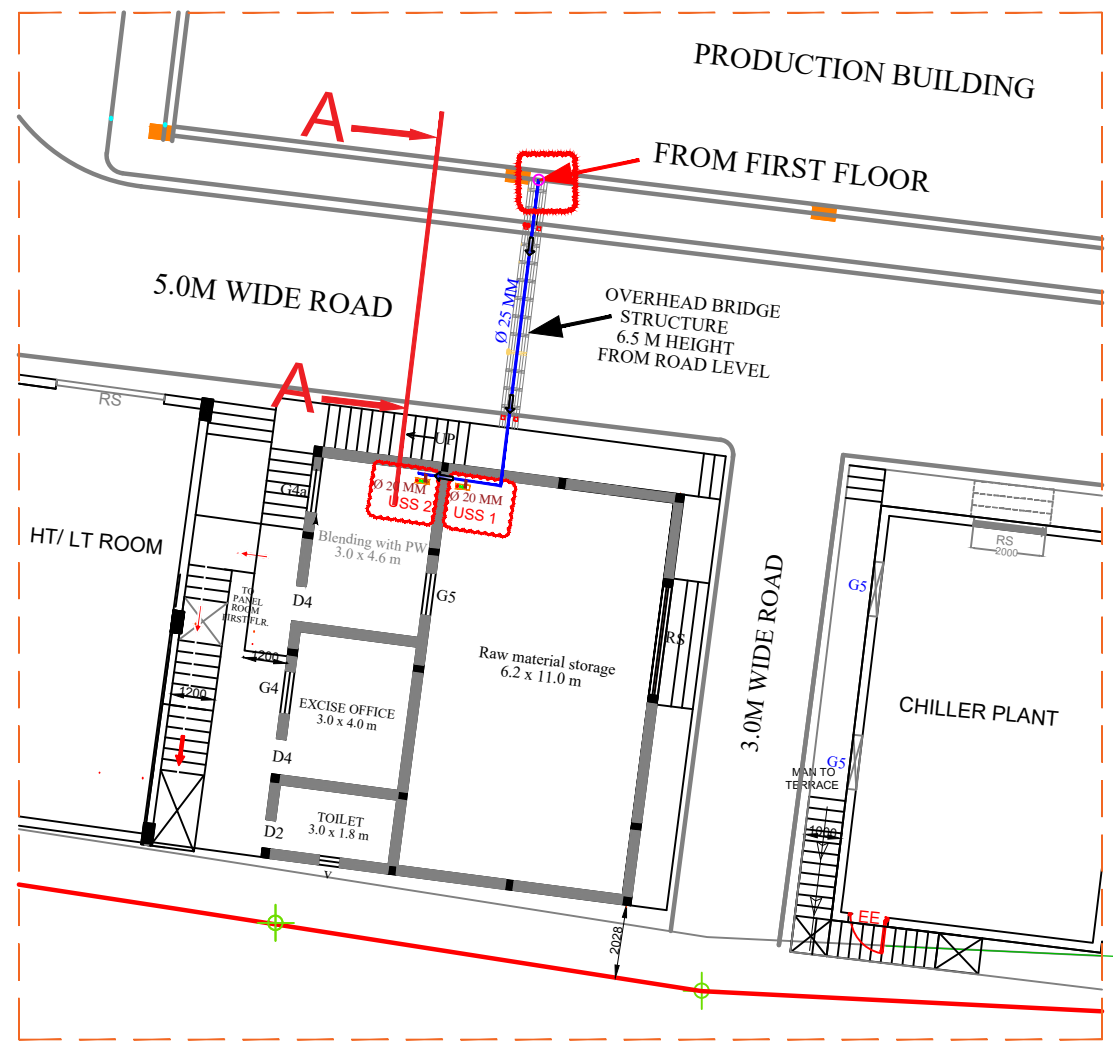
PLOT LAYOUT

PROPOSED COMPRESSED AIR PIPE ROUTE - N.L

RAW MATERIAL STORE - SOLVENT



SECTION A-A



PLAN - PLOT

LEGENDS :-

CODE	DESCRIPTION
USS 1	RAW MATERIAL STORE
USS 2	BLENDING WITH PW
	PROPOSED PIPE ROUTE, M.O.C. - ALUMINIUM
	TAPPING TO USER POINT, M.O.C. - SS 316
NO. OF USER POINTS :- 2 NOS.	
DROPPING HEIGHT :- 1.2 M FROM FFL OR AS PER EQUIPMENT CONNECTION REQUIREMENT.	

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DRAWN BY	CHECKED BY	DATE	SCALE	DWG NO.	REVISION
ABID H.	I ANSARI	11-03-2024	N.T.S	KT/HO/P/SM/A.1	-

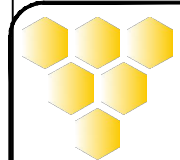
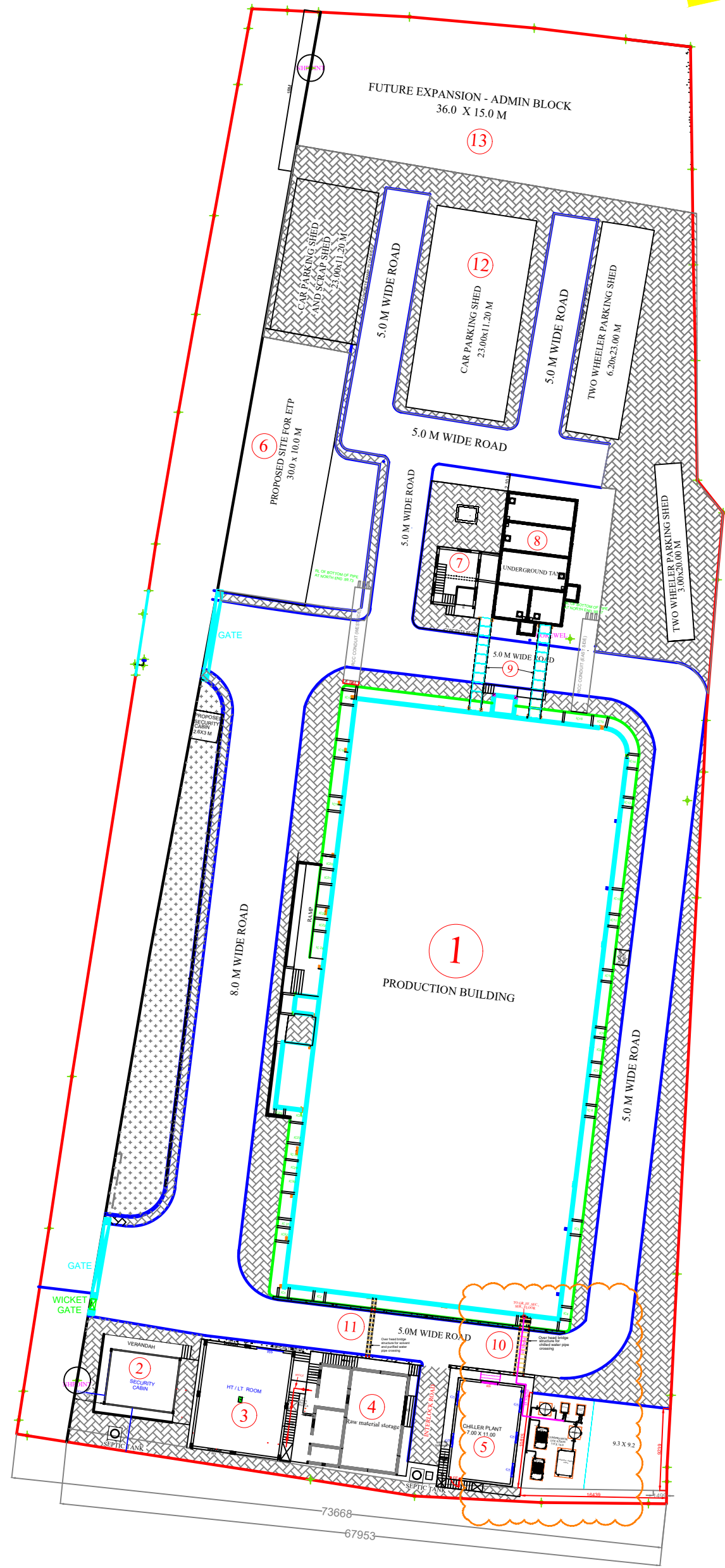
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 FILE: Z:\Homco\2024\UTILITY - 2024\Compressor\Pipe routing\Compressed Air - Non lubricated Air - RAW MATERIAL STO

27/02/2024

PLOT LAYOUT (COMPRESSOR LOCATION)



- LEGENDS :-**
- 1 - Production building
 - 2 - Security Cabin
 - 3 - HT LT Room
 - 4 - Raw Material Storage
 - 5 - Chiller Plant
 - 6 - ETP
 - 7 - Pump Room
 - 8 - UG Tank
 - 9 - Rain Water Pipe
 - 10 - Chilled Water Pipe Bridge
 - 11 - Solvent Pipe Bridge
 - 12 - Parking Area
 - 13 - Future Expansion



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ABID H.	I ANSARI	27-02-2024	N.T.S	KT/HO/P/SM/A.1	-
TITLE COMPRESSOR LOCATION - ON PLOT LAYOUT					
FILE Z:\Homco\2024\UTILITY - 2024\Compressor\Pipe routing\Compressor location with pipe route - Plot Layout					