

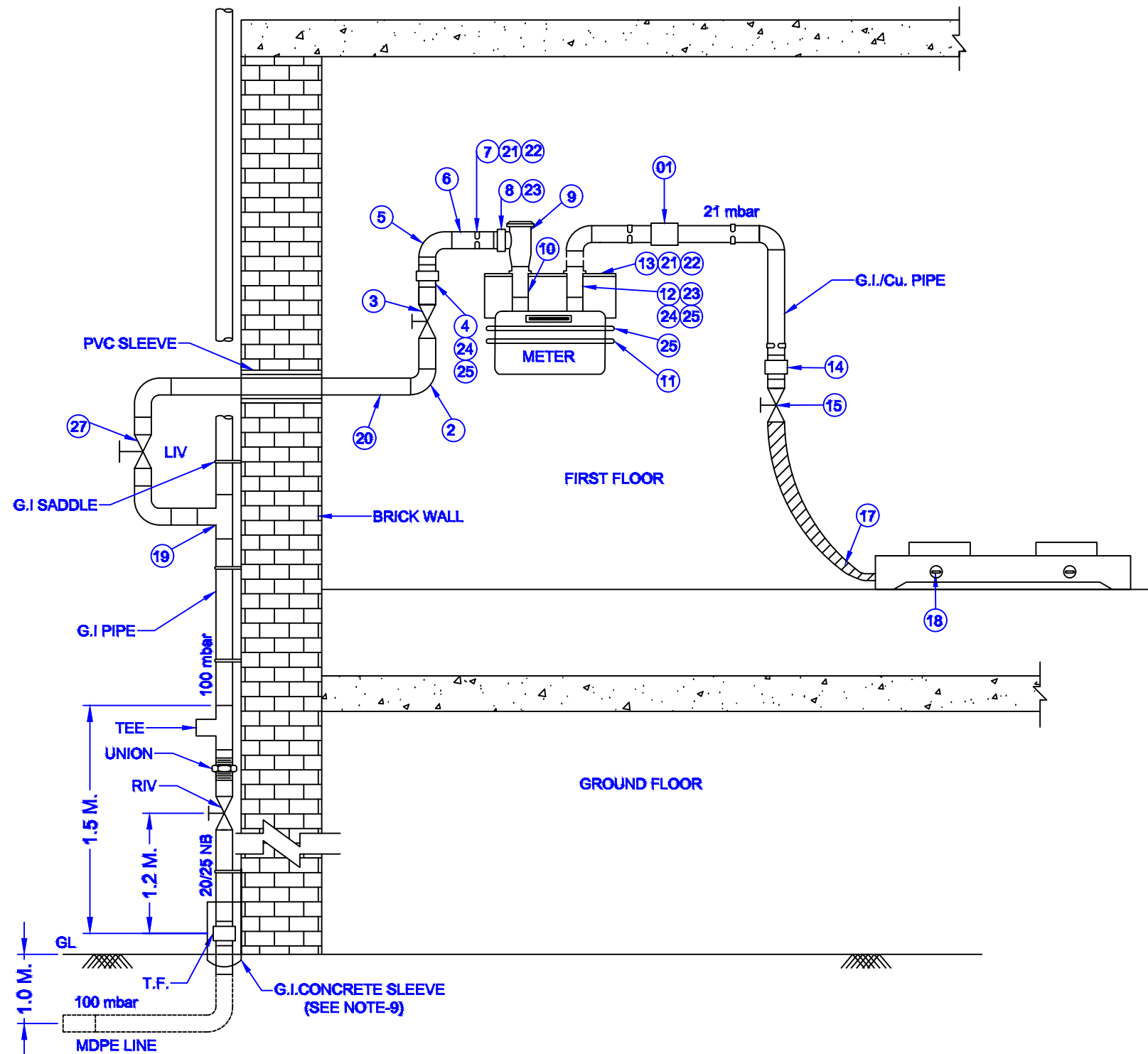


### NOTES:-

1. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
2. FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT SCALE THE DRAWING.

OWNER :				
		CENTRAL UP GAS LIMITED		
PMC				
		M/s. VCS QUALITY SERVICES PVT. LTD.		
PROJECT :				
GI/COPPER INSTALLATION WORKS				
TITLE : SCHEMATIC DIAGRAM DESCRIBING DIFFERENT PRESSURE SYSTEM (SR TO APPLIANCE IN KITCHEN)				
SCALE	DATE	CAD FILE	CAD	A3
		DATE		
DRG. NO.		C211036-20-05-40 REV-0		



### NOTES:-

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3. PIPING DOWNSTREAM METER SHALL BE COPPER IN CASE METER IS INSTALLED WITHIN THE KITCHEN.
4. TENTATIVE RISER LENGTH (FROM OUTLET OF TRANSITION FITTING TO INLET OF ISOLATION VALVE) SHALL BE 1.5M. ANY CHANGES IN RISER LENGTH SHALL BE AFTER APPROVAL FROM EIC.
5. G.I. INSTALLATION / METER INSTALLATION SHALL BE DECIDED BY OWNER / OWNER'S REPRESENTATIVE AS PER SITE CONDITIONS.
6. IF COPPER PIPE GOES TO THE APPLIANCE VALVE THEN BRASS FITTING SHALL BE USED AT THE OUTLET OF METER OR IF G.I. PIPE GOES TO THE APPLIANCE VALVE THEN G.I. FITTING SHALL BE USED AT THE OUTLET OF THE METER.
7. MAXIMUM DISTANCE BETWEEN CLAMPS SHALL BE 1.5M WHEN PIPE GOES IN THE STRAIGHT LENGTH, IF ANY TEE OR ANY FITTING IS USED IN BETWEEN THE PIPE THEN CLAMP SHALL BE PLACED 150 MM AWAY FROM CENTER LINE OF THE FITTING AT EVERY SIDE. HOWEVER, THE SAME MAY BE CHANGED AS PER SITE CONDITIONS / AS DIRECTED BY EIC.
8. TAPPING SHALL BE LEFT NEAR OUTSIDE THE KITCHEN AS DIRECTED BY OWNER / OWNER'S REPRESENTATIVE.
9. G.I CONCRETE SLEEVE INSTALLATION SHALL BE DECIDED BY OWNER / OWNER'S REPRESENTATIVE AS PER SITE CONDITIONS.
10. REGULATOR TO BE FIXED NEAR THE METER AS PER INSTRUMENT AS PER INSTRUCTION OF EIC.

### BILL OF MATERIAL

SR. No.	MATERIAL DESCRIPTION	QTY.	REMARK
1.	COPPER COUPLER	01	
2.	90 DEG. ELBOW G.I. (1/2" M/F END)	01	
3.	METER CONTROL VALVE (1/2")	01	
4.	BRASS DISCONNECTING UNION (1/2"x12mm)	01	
5.	G.I./Cu ELBOW (12mm)	02	
6.	G.I./Cu TUBE (12mm)	3m	INDICATIVE
7.	PVC. CLIP	05	
8.	BRASS DISCONNECTING UNION (3/4"x12mm)	01	
9.	METER REGULATOR	01	
10.	METER INLET UNION (3/4"x3/4")	01	
11.	GAS METER (2.5 m <sup>3</sup> /h)	01	
12.	METER OUTLET UNION (3/4"x12mm)	01	
13.	METER BRACKET	01	
14.	BRASS ADAPTER (1/4"x12mm)	01	
15.	APPLIANCE VALVE WITH NOZZLE (1/4")	01	
16.	GAS STOVE	01	
17.	STEEL REINFORCED RUBBER HOSE	1m	TYPICAL
18.	NOZZLE JET	02	
19.	COPPER EQUAL TEE	01	OPTIONAL
20.	25mm OD, PVC. PIPE AS PER IS - 4986	01	
21.	RAWAL PLUGS	02	
22.	WOOD SCREW	02	
23.	TEFLON TAPE	4m	INDICATIVE
24.	SOLDER WIRE	20-gms	
25.	FLUX	15-gms	
26.	METER CLAMP	01	
27.	LATERAL VALVE	01	

THIS IS THE GENERAL LAYOUT.

OWNER :



CENTRAL UP GAS LIMITED

PMC



M/s. VCS QUALITY SERVICES PVT. LTD.

PROJECT :

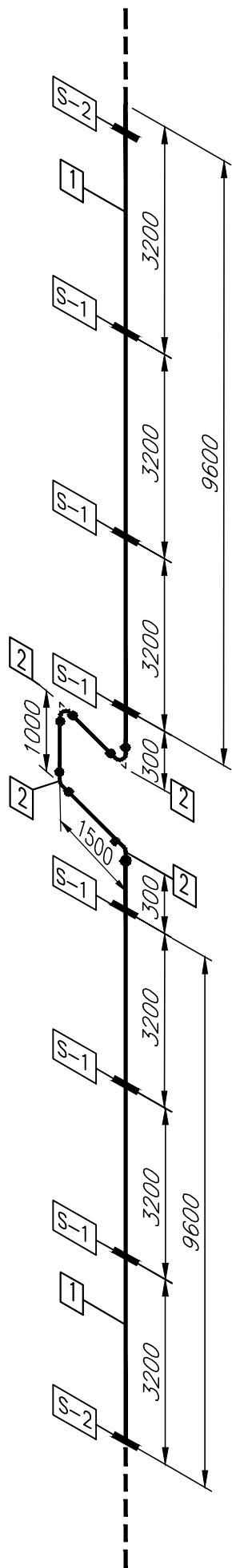
GI/COPPER INSTALLATION WORKS

TITLE :

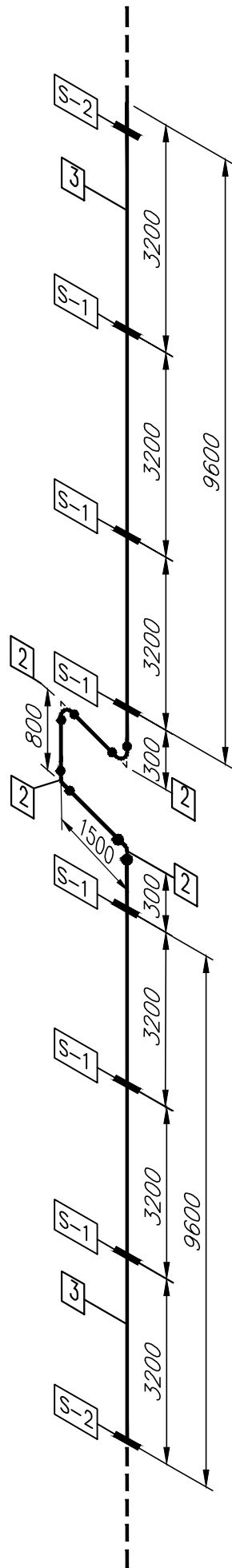
TYPICAL DOMESTIC CONNECTION  
LAYOUT OF NG DISTRIBUTION

SCALE	DATE	CAD FILE	CAD	A3
		DATE		

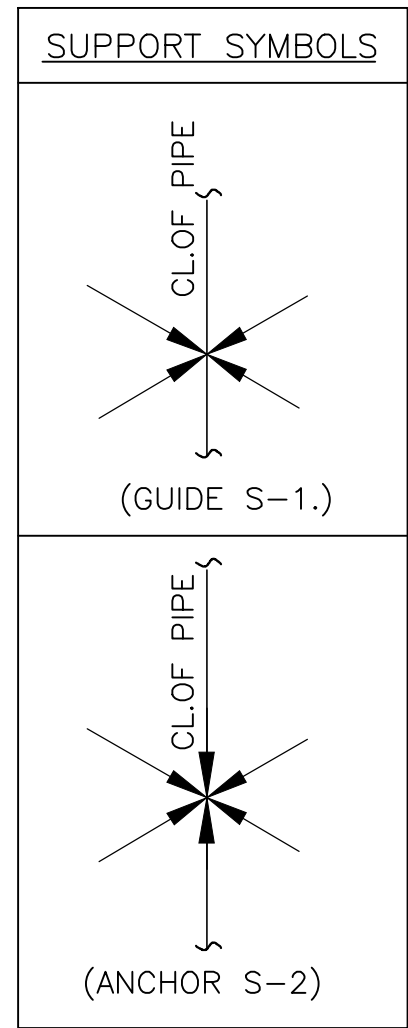
DRG. NO. C211036-20-05-07 REV-0



OPTION-A  
(LOOP SIZE-1500X1000)



OPTION-B  
(LOOP SIZE-1500X800)

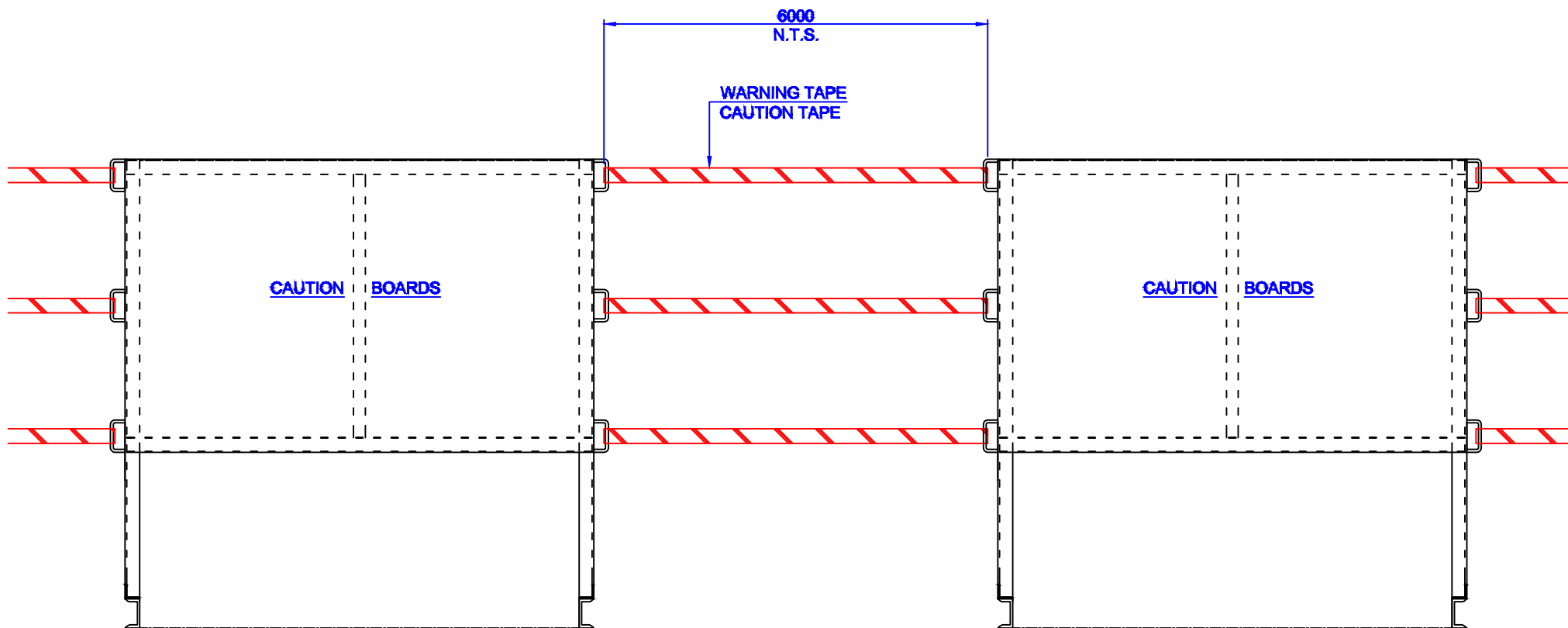


BILL OF MATERIAL					
S.NO.	SIZE (NB)	DESCRIPTION	QTY.	UNIT CODE	
1	50	GI PIPE -IS-1239 PART-1	20.8	M	
2	50	ELBOW 90°,	04	Nos.	
3	50	GI PIPE -IS-1239 PART-1	20.6	M	

## NOTES:-

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OWNER:		CENTRAL UP GAS LIMITED		
PMC:		M/s. VCS QUALITY SERVICES PVT. LTD.		
PROJECT:		GI/COPPER INSTALLATION WORKS		
TITLE:		EXPANSION LOOP FOR RISER IN HIGH RISE BUILDING		
SCALE AS SHOWN	DATE 01-07-2014	CAD FILE: DATE	CAD	A3
DRG. No. 1007-20-03-43 REV-0				

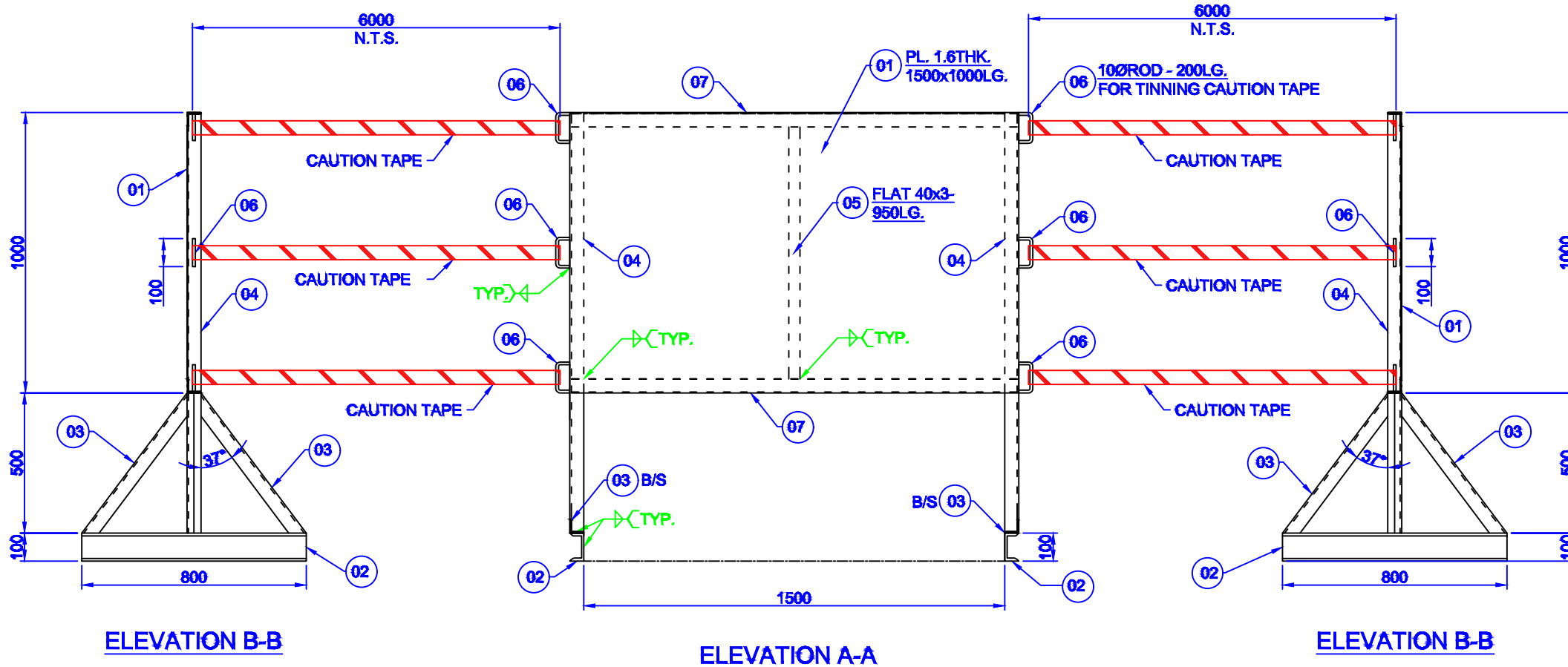


SCHEMATIC LAYOUT OF CAUTION BOARDS AND BARRICADING

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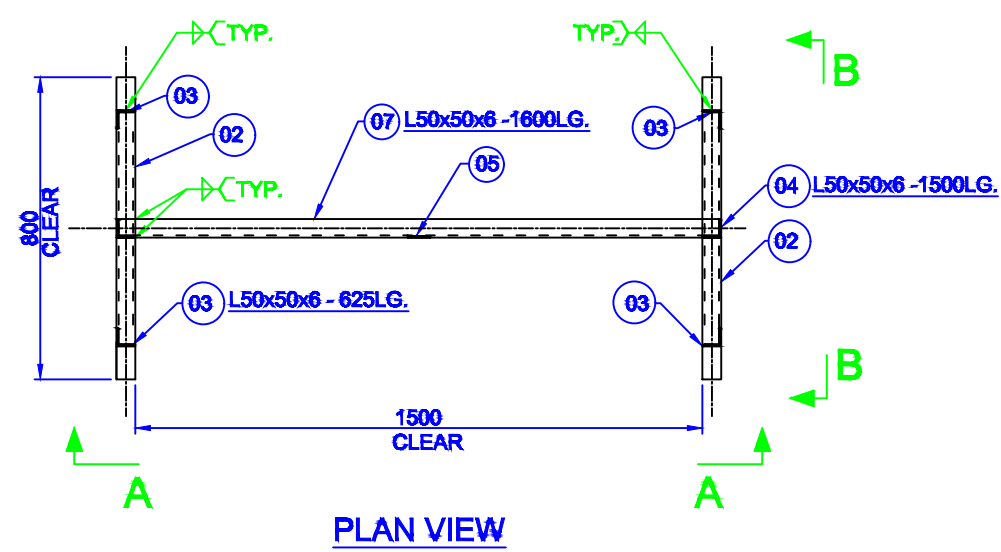
OWNER :		 CENTRAL UP GAS LIMITED		
PMC		 M/s. VCS QUALITY SERVICES PVT. LTD.		
PROJECT :		GI/COPPER INSTALLATION WORKS		
TITLE :		BARRICADING		
SCALE	DATE	CHD FILE	CAD	A3
1:10		DATE		
DRG. NO.		C211036-10-03-26 REV-0		



IN RED → **CAUTION** ← CLIENT LOGO

IN BLACK {  
WORK IN PROGRESS  
LAYING OF NATURAL GAS PIPELINE  
CLIENT : OWNER'S NAME  
CONTRACTOR NAME:  
DATE OF COMMENCEMENT:  
DATE OF COMPLETION:  
EMERGENCY PHONE NOS.:  
→

**TO BE PRINTED ON ITEM NO. 01**



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BILL OF MATERIAL						
Item Mkd.	Section	Width	Length	Item Qty.	Weight	Total Weight
				(All Marks)	Kgs./M,M2	In Kgs.
1.	PL. 1.6 THK.	1600	1000	1	12.56	20.10
2.	ISMC 100	—	800	2	9.20	14.72
3.	L50x50x6	—	625	4	4.50	11.25
4.	L50x50x6	—	1500	2	4.50	13.50
5.	Flat 3Thk.	900	40	1	0.94	0.03
6.	100Ø Rod	—	200	6	0.62	0.74
7.	L50x50x6	—	1600	2	4.50	14.40
				Grand Total (Kg)		74.74

OWNER :  
CENTRAL UP GAS LIMITED

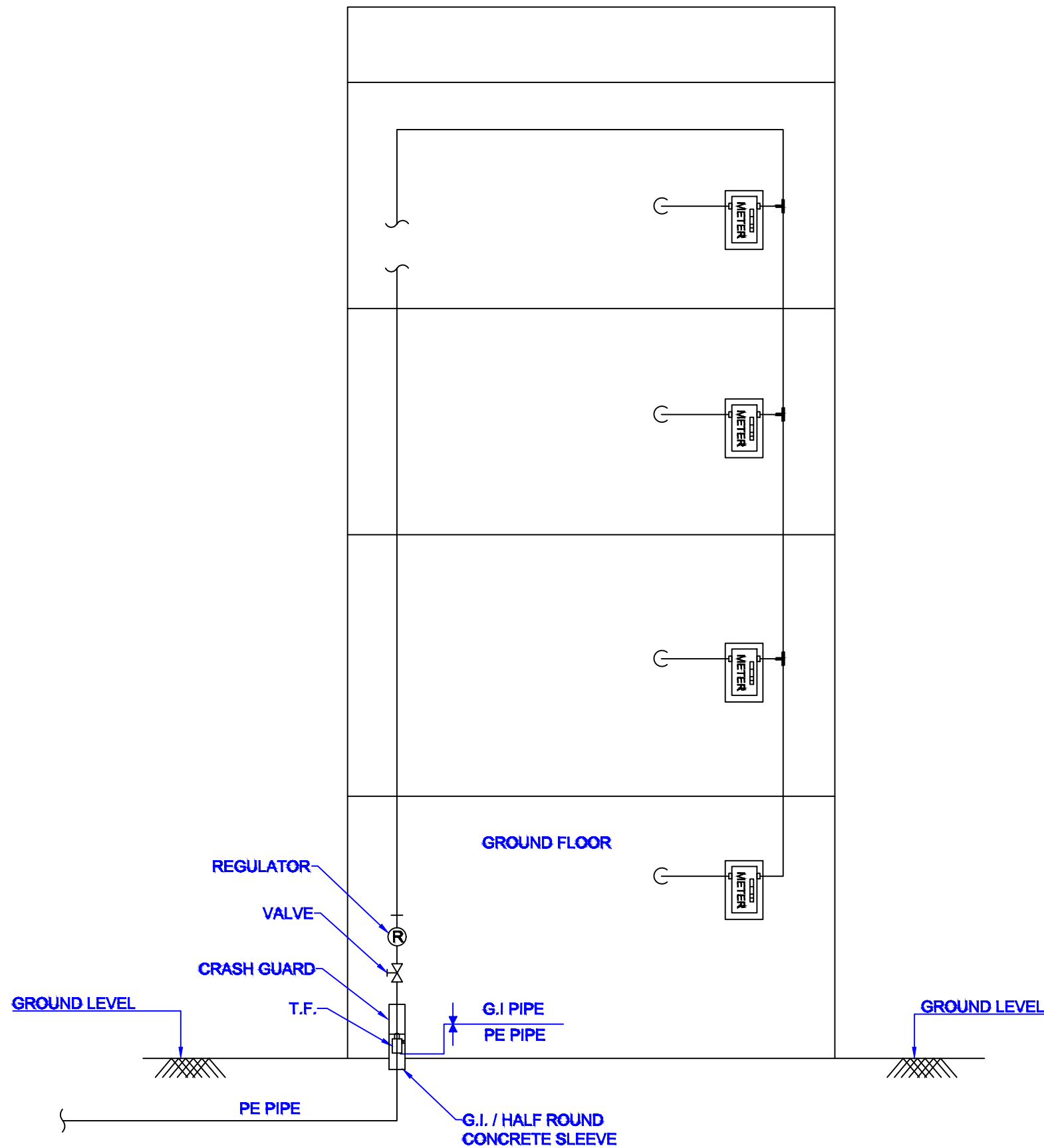
PMC  
M/s. VCS QUALITY SERVICES PVT. LTD.

PROJECT :  
GI/COPPER INSTALLATION WORKS

TITLE :  
CAUTION BOARD & TAPE ARRANGEMENT  
IN G.I. / RISER INSTALLATION

SCALE : 1:10  
DATE :  
CAD FILE :  
DATE :  
CAD  
A3

DRG. NO.  
C211036-10-03-26 REV-0



**INDICATIVE RISER ARRANGEMENT IN BUILDING,  
IF METER IS INSTALLED AT EACH FLOOR**

## NOTES:-

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5. G.I. INSTALLATION / METER INSTALLATION SHALL BE DECIDED BY OWNER / OWNER'S REPRESENTATIVE AS PER SITE CONDITIONS.
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8. TAPPING SHALL BE LEFT NEAR OUTSIDE THE KITCHEN AS DIRECTED BY OWNER / OWNER'S REPRESENTATIVE.
9. FROM TRANSITION FITTING TO THE ISOLATION VALVE, SHALL BE CONSIDERED IN THE OUTSIDE KITCHEN PIPING.
10. AT THE TIME OF MEASURING LENGTH OF G.I./COPPER PIPE, G.I./COPPER FITTINGS SHALL BE COUNTED IN THE PIPE LENGTH.

**THIS IS THE GENERAL LAYOUT.**

OWNER :



CENTRAL UP GAS LIMITED

PMC



M/s. VCS QUALITY SERVICES PVT. LTD.

PROJECT :

GI/COPPER INSTALLATION WORKS

TITLE :

TYPICAL DOMESTIC CONNECTION  
LAYOUT OF NG DISTRIBUTION

SCALE

DATE

CAD FILE

DATE

CAD

A3

DRG. NO.

C211036-20-05-08 REV-0

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**THIS IS THE GENERAL LAYOUT.  
FOR LMC AND NON-LMC**

OWNER :



CENTRAL UP GAS LIMITED

PMC



M/s. VCS QUALITY SERVICES PVT. LTD.

PROJECT :

GI/COPPER INSTALLATION WORKS

TITLE :

TYPICAL DOMESTIC CONNECTION  
LAYOUT OF NG DISTRIBUTION

SCALE

DATE

CAD FILE

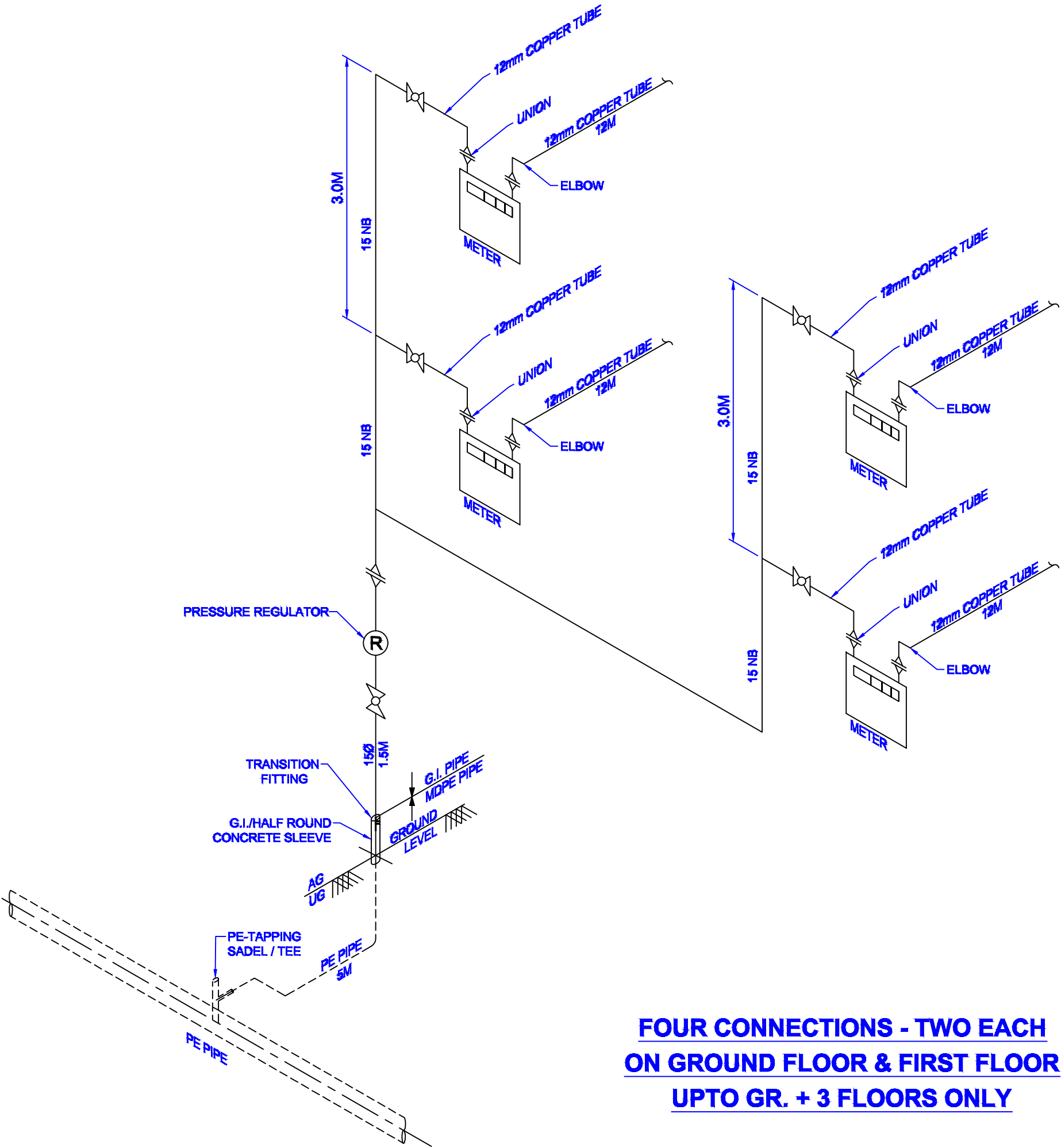
DATE

CAD

A3

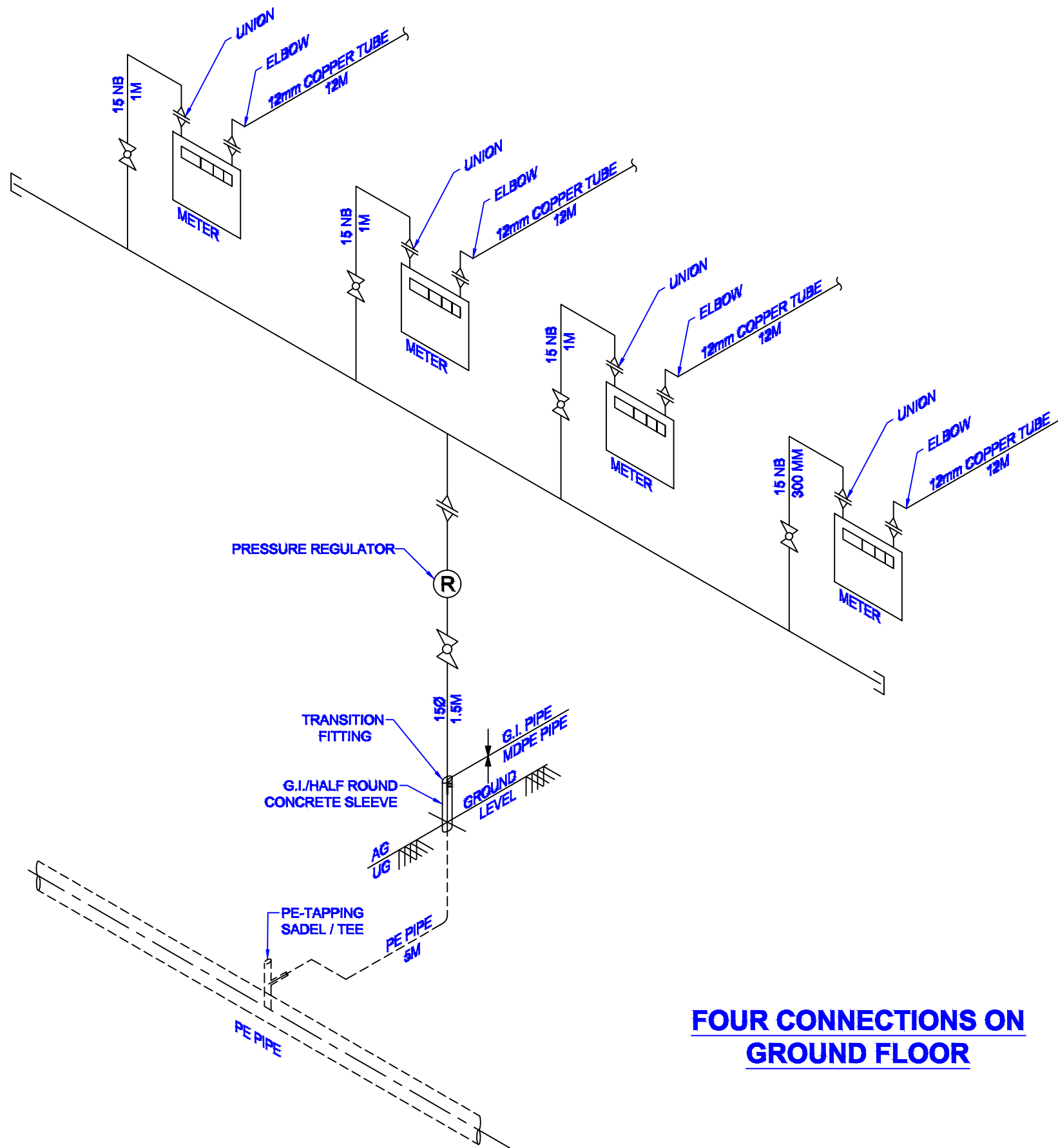
DRG. NO.

C211036-20-05-10 REV-0



**FOUR CONNECTIONS - TWO EACH  
ON GROUND FLOOR & FIRST FLOOR  
UPTO GR. + 3 FLOORS ONLY**





## **FOUR CONNECTIONS ON GROUND FLOOR**

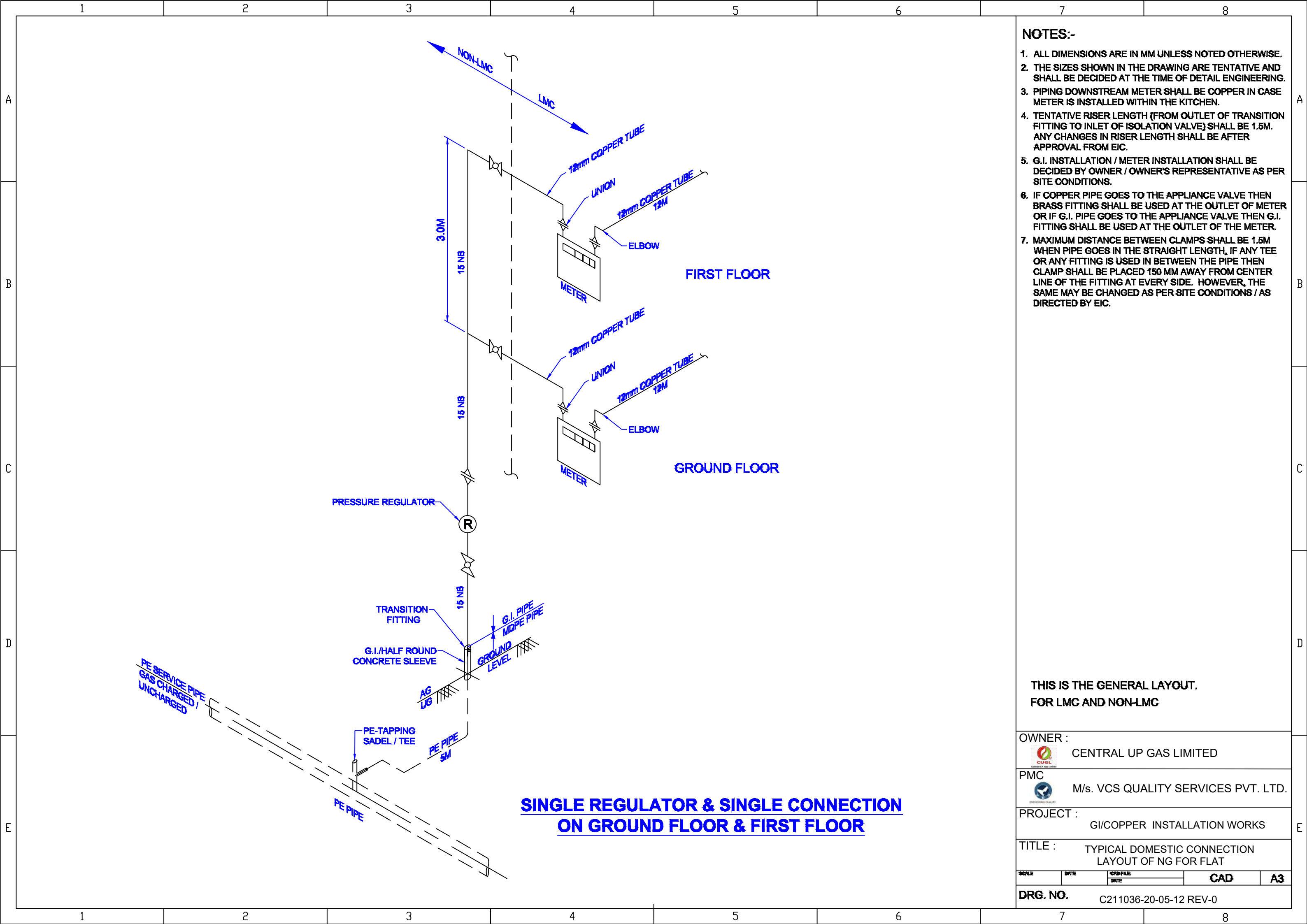
### **NOTES:-**

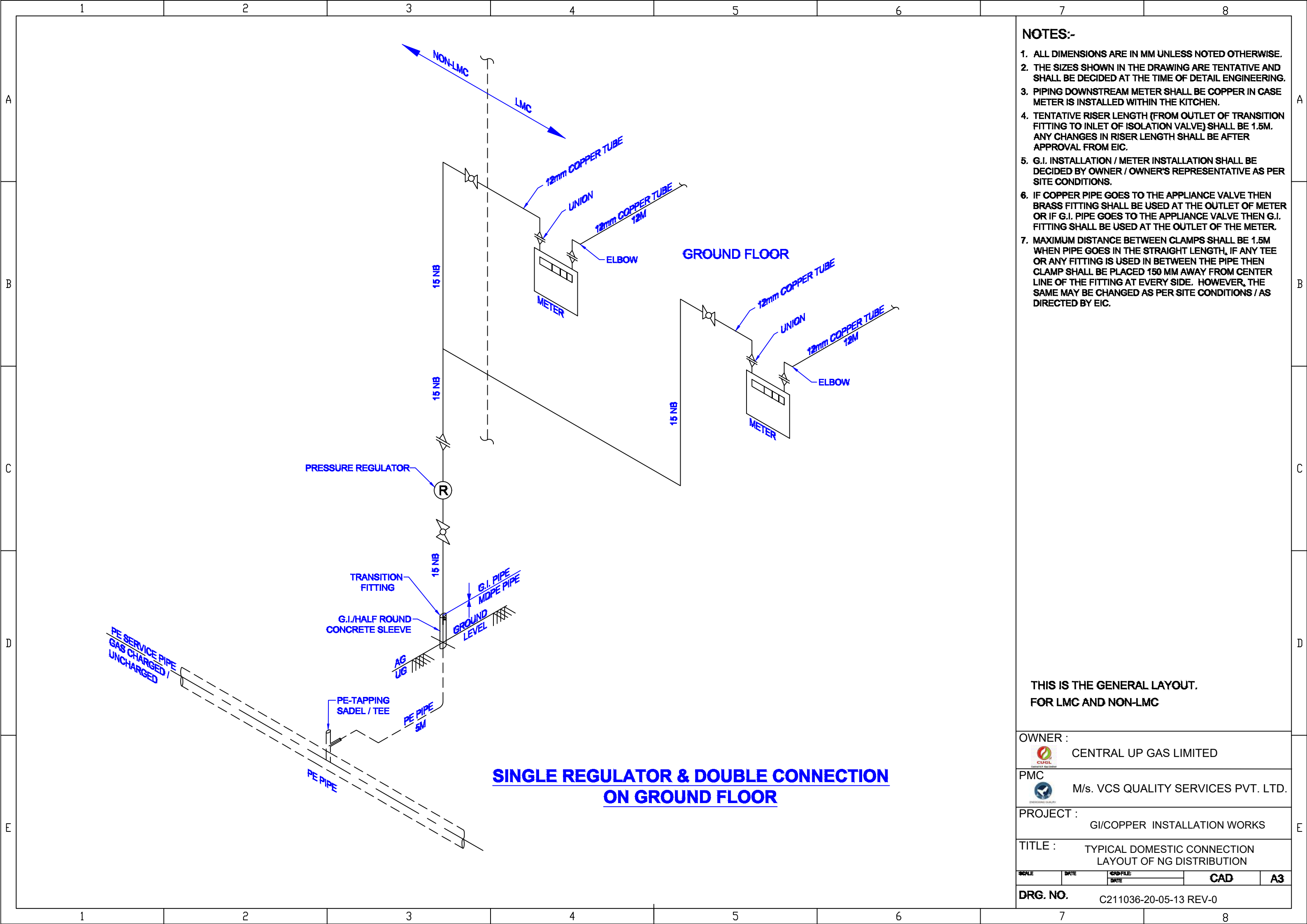
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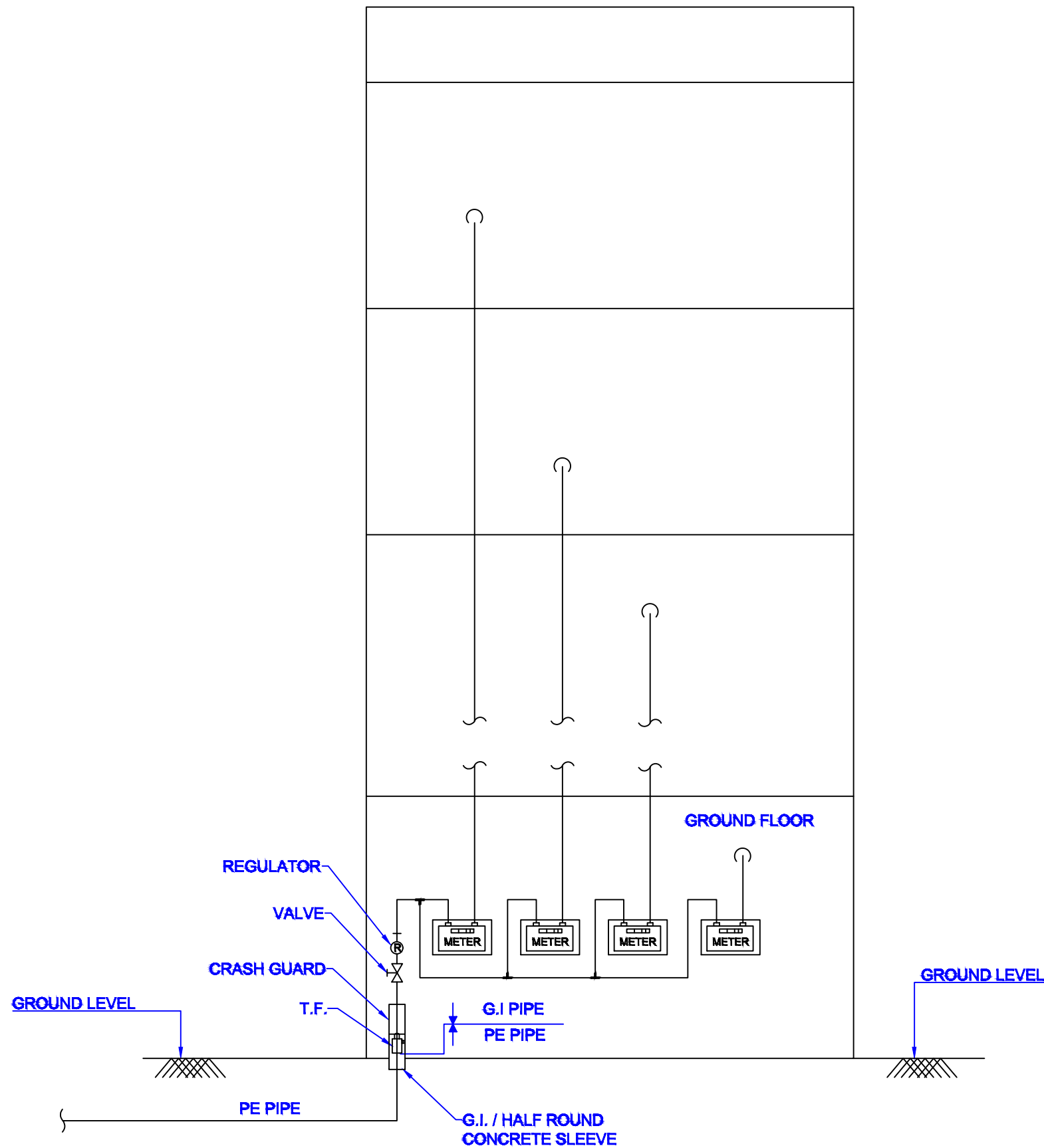
OWNER :		CENTRAL UP GAS LIMITED		
PMC		M/s. VCS QUALITY SERVICES PVT. LTD.		
PROJECT :		GI/COPPER INSTALLATION WORKS		
TITLE :		TYPICAL DOMESTIC CONNECTION LAYOUT OF NG DISTRIBUTION		
SCALE	DATE	CAD FILE DATE	CAD	A3
DRG. NO.		C211036-20-05-11 REV-0		













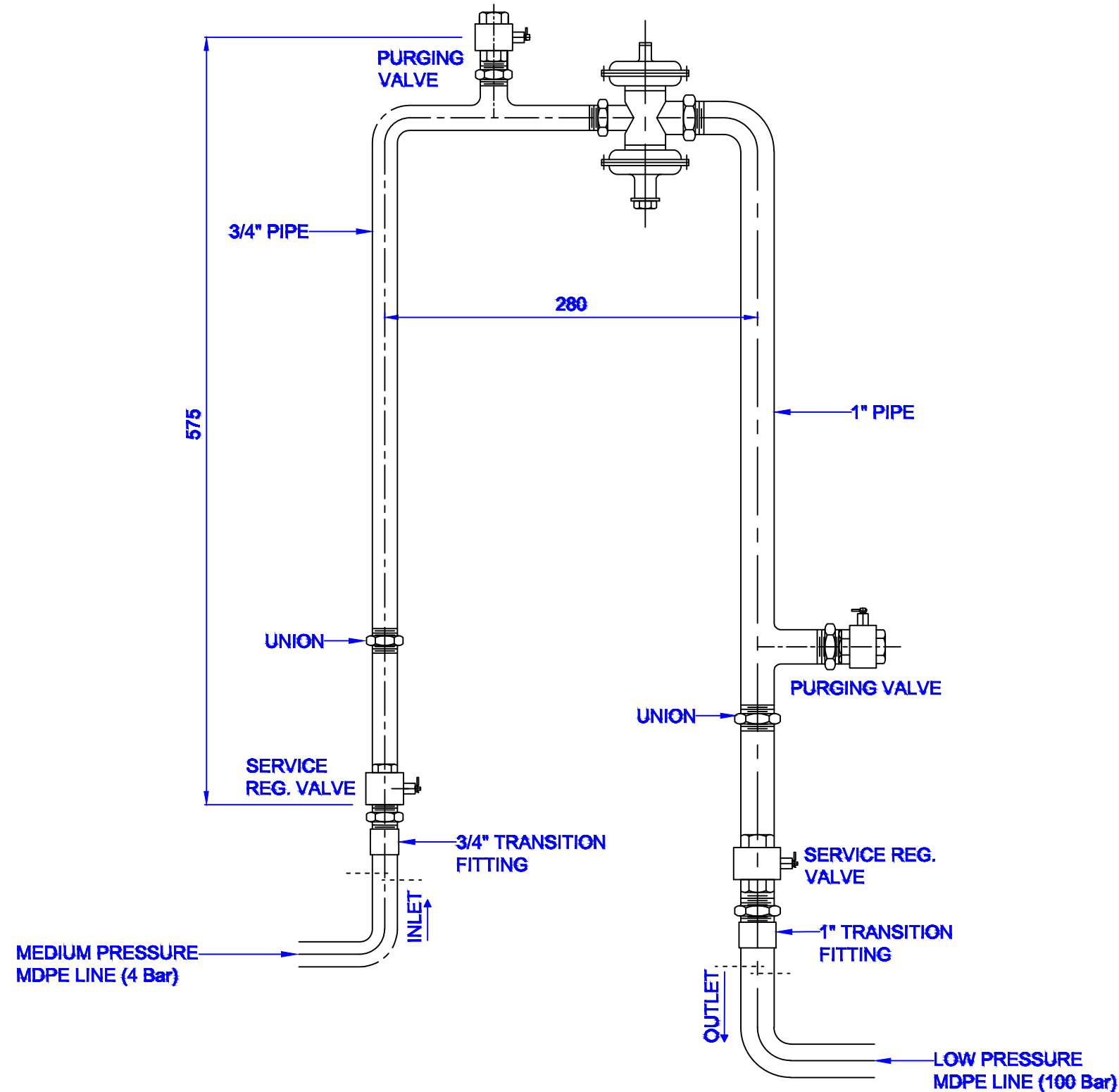
**INDICATIVE RISER ARRANGEMENT IN BUILDING,  
IF METER INSTALLED AT GROUND FLOOR**

# **NOTES:-**


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FOR LMC AND NON-LMC**


OWNER :				
<div><div>CENTRAL UP GAS LIMITED</div></div>				
PMC				
<div><div>M/s. VCS QUALITY SERVICES PVT. LTD.</div></div>				
PROJECT :				
GI/COPPER INSTALLATION WORKS				
TITLE :				
TYPICAL DOMESTIC CONNECTION LAYOUT OF NG DISTRIBUTION				
SCALE	DATE	CAD FILE DATE	CAD	A3
DRG. NO.				
C211036-20-05-15 REV-0				



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**OWNER :**

**CENTRAL UP GAS LIMITED**

**PMC**

**M/s. VCS QUALITY SERVICES PVT. LTD.**

**PROJECT :**

**GI/COPPER INSTALLATION WORKS**

**TITLE :**

**SCHEMATIC DIAGRAM FOR SINGLE STREAM REGULATOR**

SCALE	DATE	CAD FILE	<b>CAD</b>	<b>A3</b>
		DATE		

**DRG. NO.**

**C211036-20-05-37 REV-0**