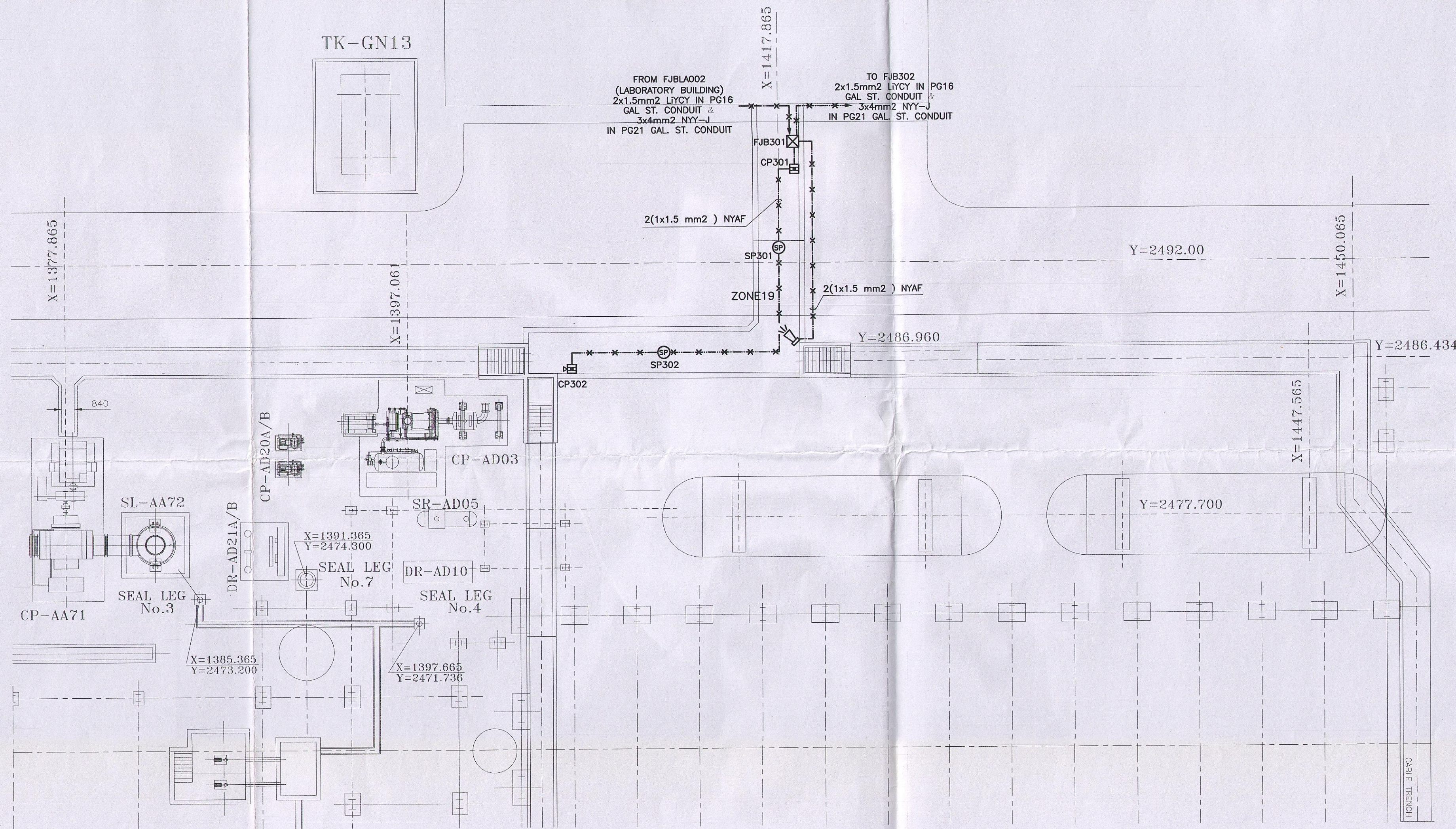


MAIN CONTROL HOUSE



NOTES

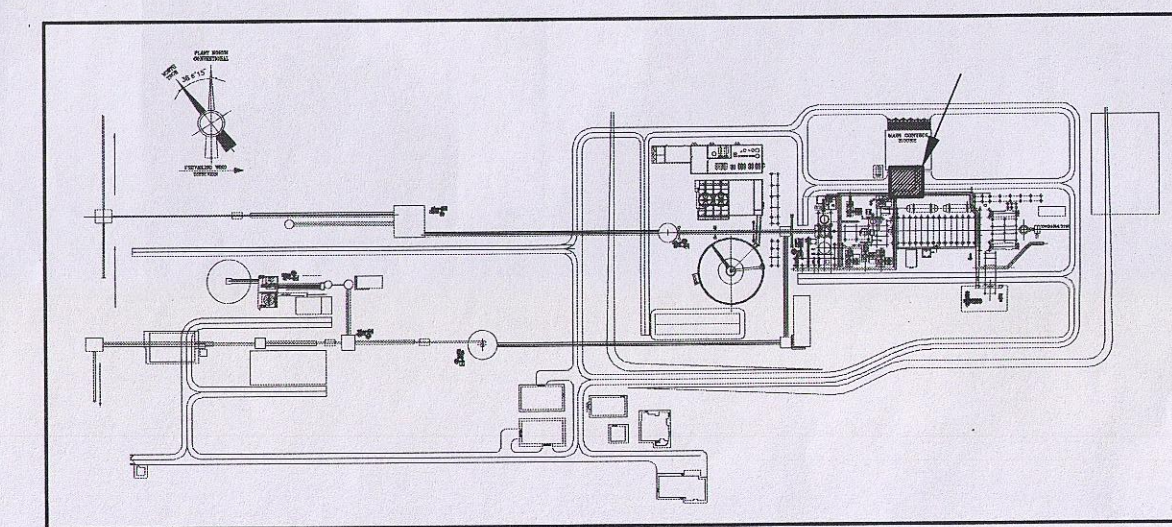
1. INSTALLATION OF FIRE ALARM EQUIPMENT SHALL BE SUITED AT SITE.
2. THE FIRE ALARM CIRCUIT SHALL BE CONNECTED BY MEANS OF 2(1x1.5mm2 NYAF WIRES) IN Ø1" CONDUIT(UNLESS OTHERWISE INDICATED) AND/OR CABLE TRAYS.
3. MOUNTING ELEVATION OF SOUNDER SHOULD BE CONSIDERED 2.2m ABOVE FINISHED FLOOR.
4. INSTALLATION HEIGHT OF MANUAL ALARM CALL POINTS SHOULD BE 1.2m ABOVE FINISHED FLOOR.
5. DETECTORS SHOULD BE SITED SO THAT THEIR SENSITIVE ELEMENTS ARE NOT LESS THAN 25mm OR MORE THAN 600mm BELOW THE CEILING OR ROOF FOR SMOKE DETECTORS.

REFERENCE DRAWINGS

FOR	REFER TO
FIRE ALARM DETAIL	320110EL3428***
FIRE ALARM BLOCK DIAGRAM (MNE 28 213)	320110EL3428***

LEGEND

SYMBOL	DESCRIPTION
—X—	FIRE ALARM CIRCUIT LINE(EXPOSED)
⊙	SMOKE DETECTOR, PHOTOELECTRIC TYPE
⊠	FIRE ALARM MANUAL CALL POINT
⊠	HORN STROBE
FJB ⊠	FIRE ALARM TERMINAL BOX
Δ	FIRE ALARM END OF LINE RESISTOR

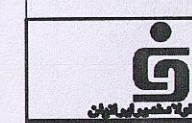


KEY PLAN

AS BUILT/FINAL

SIGNATURE DATE

6RC-305



شرکت آهن و فولاد غدیر ایرانیان

PROJECT TITLE :	GHADIR DIRECT REDUCTION PLAN	CLIENT DRAWING No.	3201MNE28007	REV.	Z
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IRITEC	ایریتک	IRITEC DRAWING No.	320110 EL 34 28 007	REV.	Z
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DRAWING TITLE :	PLOT PLAN AND WIRING DIAGRAM FOR FIRE ALARM SYSTEM (CABLE CULVERT)
-----------------	--

DESIGNED	M.SHAHROKHI	DATE	86.12.25	SCALE	1:50	SIZE	A1
DRAWN	R.ALAEI	DATE	86.12.27	PROJECT REF. NO.	320110		
CHECKED	A.SHARAFI	DATE	86.12.27				
APPROVED	I.SHAHROKHI	DATE	86.12.28				

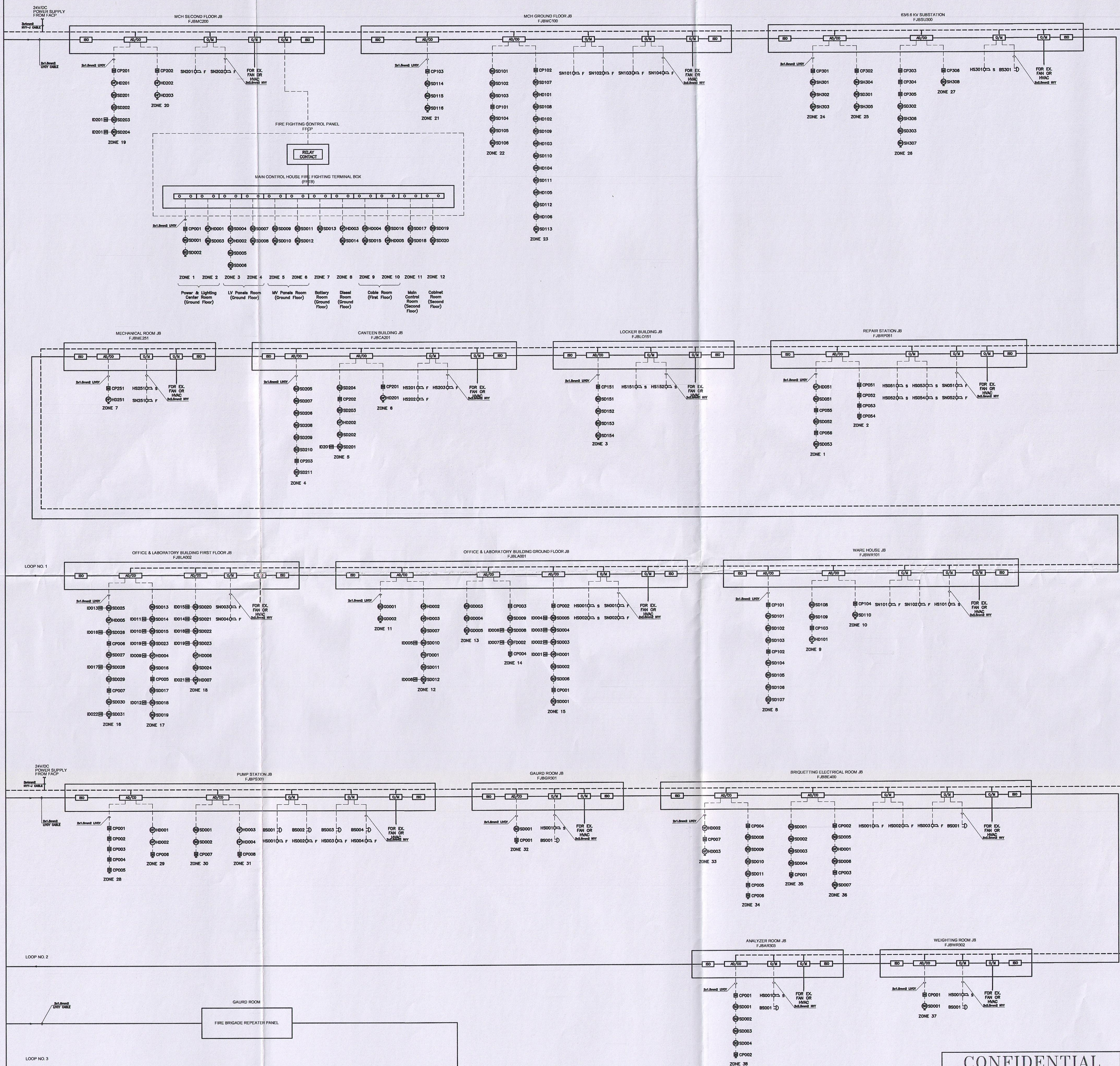
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REV.	DATE	REVISED BY	REVISION	REMARKS
Z	90.10.05	POURDOOSTARIM.BABAZADEH	AS BUILT/FINAL	

ADDRESSABLE FIRE ALARM CONTROL PANEL IN MCH (SECOND FLOOR)



NOTES

- 1- ALL DETECTION AND ALARM CIRCUITS SHALL BE PROTECTED AGAINST SHORT CIRCUIT.
- 2- IN EACH CONVENTIONAL ZONE THE LAST DEVICE SHALL BE EQUIPPED WITH END OF LINE RESISTOR OR DIODE.
- 3- OUTPUT MODULES SHALL HAVE CONTACTS WITH 220V AND MINIMUM 1A RATING.
- 4- ALL ADDRESSABLE DEVICE (EQUIPMENT) SUCH AS ISOLATOR'S, OUT PUT MODULES AND AD/CO MODULES AS SHOWN IN BLOCK DIAGRAM SHALL BE INSTALED IN A PROPER JB.
- 5- EACH DEVICE (EQUIPMENT) SHALL BE SPECIFIED BY A UNIQUE TAG NUMBER INCLUDING BELOW ITEMS: AREA IDENTIFICATION, FACP IDENTIFICATION, LOOP No., ZONE No., DEVICE IDENTIFICATION AND JB IDENTIFICATION.

LEGEND

No.	SYMBOL	DESCRIPTION
1	SD	SMOKE DETECTOR, PHOTOELECTRIC TYPE
2	HR	HEAT DETECTOR, TEMPRETURE RATE OF RISE TYPE
3	HF	HEAT DETECTOR, FIXED TEMPRETURE TYPE
4	SH	COMBINED SMOKE AND HEAT DETECTOR
5	FD	FLAM DETECTOR
6	GD	GAS DETECTOR
7	FACP	FIRE ALARM MANUAL CALL POINT
8	ELR	END OF LINE RESISTOR
9	BS	BELL STROBE, 85db @1m
10	AD/CO	ADDRESSABLE TO CONVENTIONAL MODULE
11	ISO	ISOLATOR SWITCH
12	O/M	OUT PUT MODULE
13	JB	JUNCTION BOX
14	F	FIRE ALARM SIREN
15	s	HORN TYPE LOAD SPEAKER, 100db(1w,1m)OUTPUT SOUND PRESSURE
16	---	FIRE ALARM CIRCUIT
17	----	24V/DC POWER LINE
18	FFCP	FIRE FIGHTING CONTROL PANEL
19	RI	REMOTE INDICATOR

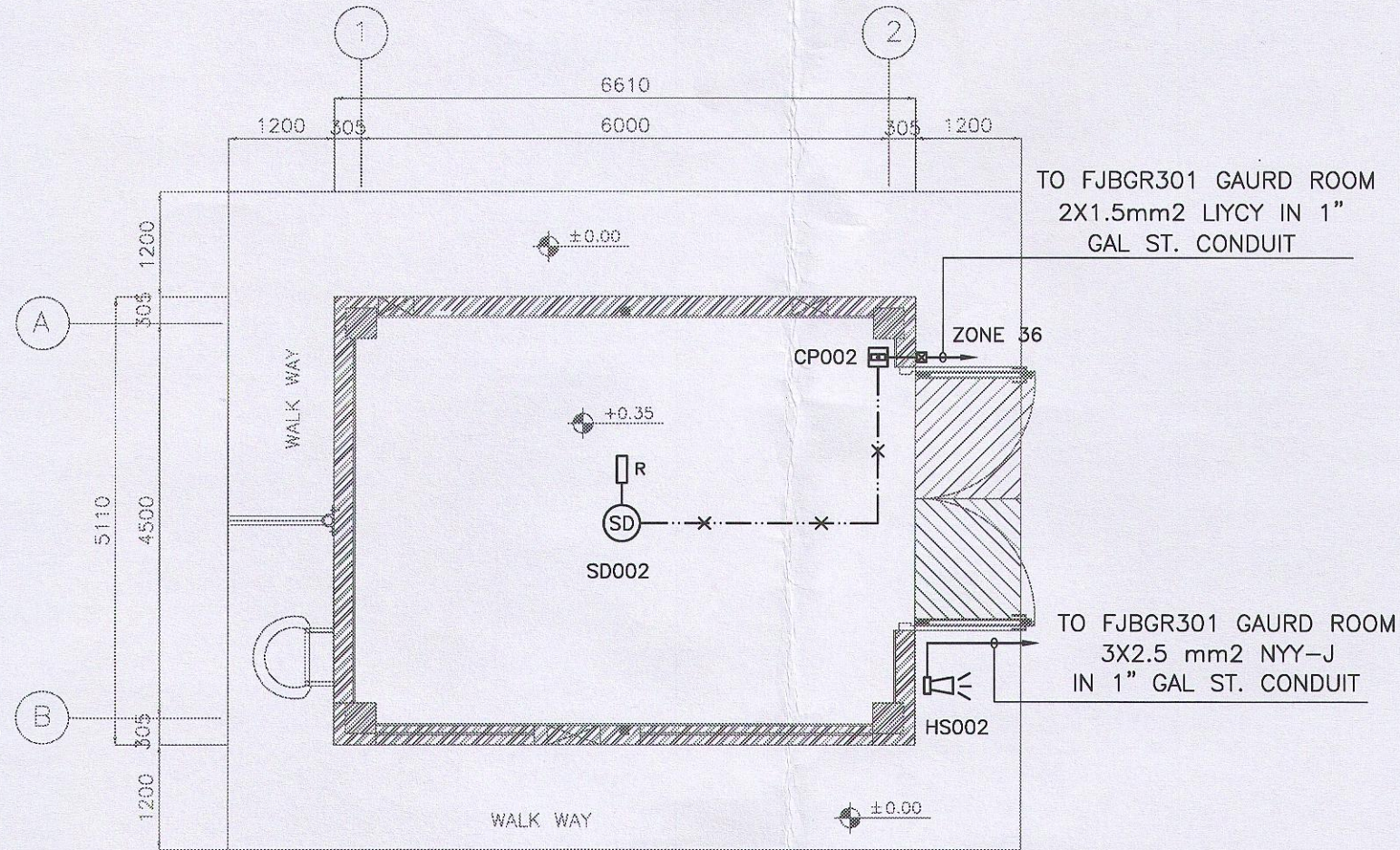
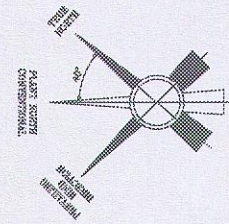
AS BUILT/FINAL
SIGNATURE DATE

شرکت آهن و فولاد غدیر ایرانیان		CLIENT DRAWING No.		REV.
PROJECT TITLE : GHADIR DIRECT REDUCTION PROJECT		3201 MNE 28 213 Z		
IRITEC		IRITEC DRAWING No.		REV.
IRAN INTERNATIONAL ENGINEERING COMPANY		320110 EL 34 28 213 Z		
DRAWING TITLE : FIRE ALARM SYSTEM BLOCK DIAGRAM				
شرکت مهندسی بینا طرح نوآوران				
DESIGNED	M.SHAHROKHI	DATE	86/10/15	SCALE
DRAWN	M.HARTUNI	DATE	86/10/15	SIZE
CHECKED	A.SHARAFI	DATE	86/10/16	PROJECT REF. NO.
APPROVED	I.SHAHROKHI	DATE	86/10/25	

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2	Z	90.10.05	FOLADGOSTAR	M.BABAZADEH	AS BUILT/FINAL
3	3	88.03.02	M.Babazadeh	M.Mahdizadeh	Generally Revised For Construction
2	2	88.05.13	M.Mahdizadeh	S.Hushmandi	For Construction
1	1	86.10.26	M.Shahrokh	A.Sharafi	For Construction
REV. REV. DATE	DATE	REVISED BY	REV. CHK BY	REMARKS	



FIRE ALARM SYSTEM LAYOUT
GROUND FLOOR

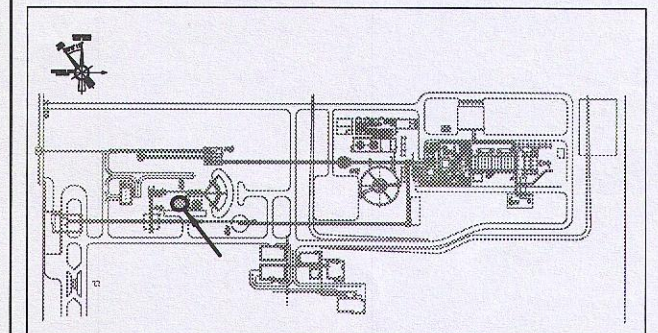
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SIGNATURE _____ DATE _____

6RC-305



KEY PLAN

NOTES

1. THE MANUAL FIRE ALARM CALL POINTS SHALL BE INSTALLED AT 120cm. ABOVE FINISHED FLOOR LEVEL.
2. THE FIRE ALARM BELL STROBE, HORN STROBE SHALL BE INSTALLED AT 300cm ABOVE FINISHED FLOOR.

REFERENCE DRAWINGS

FOR	REFER TO D.W.G No.
FIRE ALARM BLOCK DIAGRAM	320110 EL 34 28213

LEGEND

SYMBOL	DESCRIPTION
---	FIRE ALARM CIRCUIT EXPOSED
□ R	END RESISTOR
□ CP	FIRE ALARM CALL POINT
⊙	SMOKE DETECTOR (PHOTO ELECTRIC)
⊞	HORN /STROBE
⊞ FTB	FIRE ALARM TERMINAL BOX

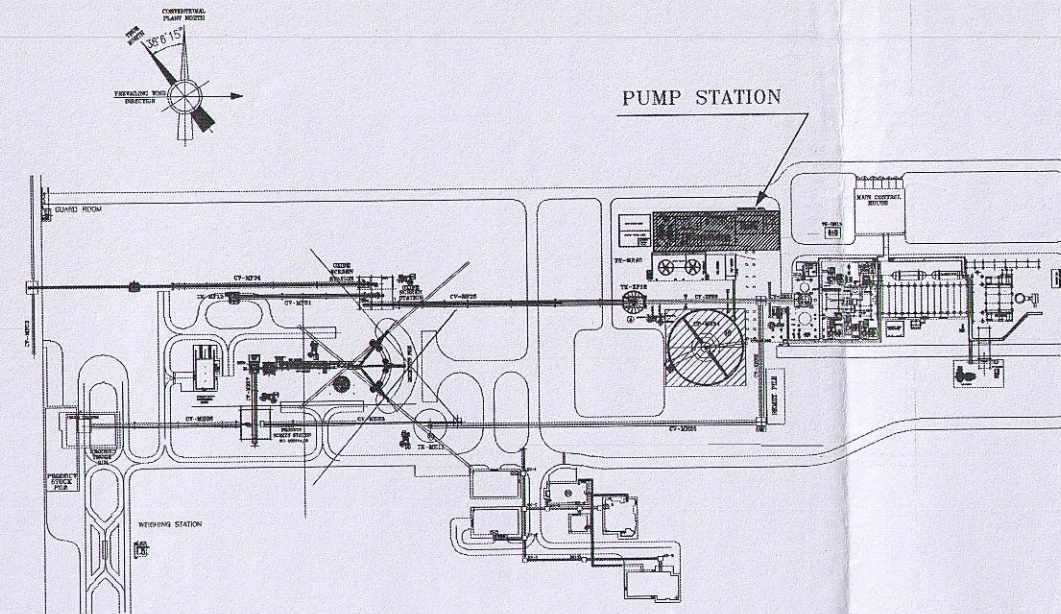
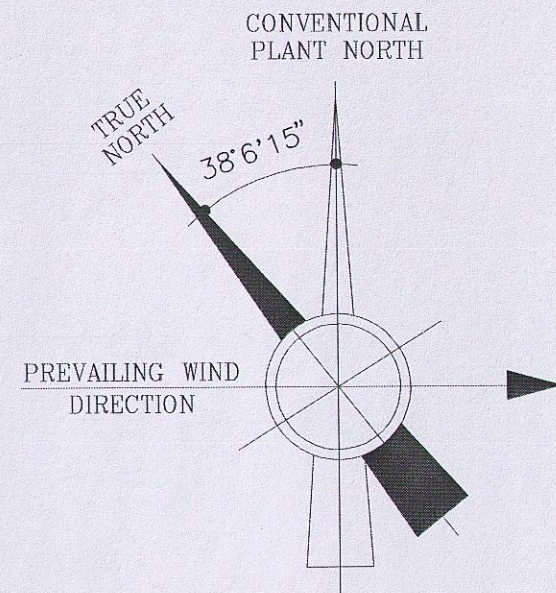
REV.	REV.	REVISED BY.	REVISED CHKD.BY.	DATE	REMARKS
2	2	M.ARJMAND	M.BABAZADEH	89.07.25	FOR CONSTRUCTION
1	1	M.ARJMAND	M.BABAZADEH	89.06.24	FOR CONSTRUCTION
DRAWING TITLE : BRIQUETTING MECHANICAL ROOM FIRE ALARM SYSTEM LAYOUT					

IRITEC	ایریتک
IRAN INTERNATIONAL ENGINEERING COMPANY	شرکت بین المللی مهندسی ایران
IRITEC DRAWING No.	REV.
320110 EL 3E 28 732 Z	

BIDEC	بیتا
BITA INNOVATIVE DESIGN-ENG. CO.	شرکت مهندسی بیتا طرح نوآورد
BIDEC DRAWING No.	REV.
3201 MNE 28 732	

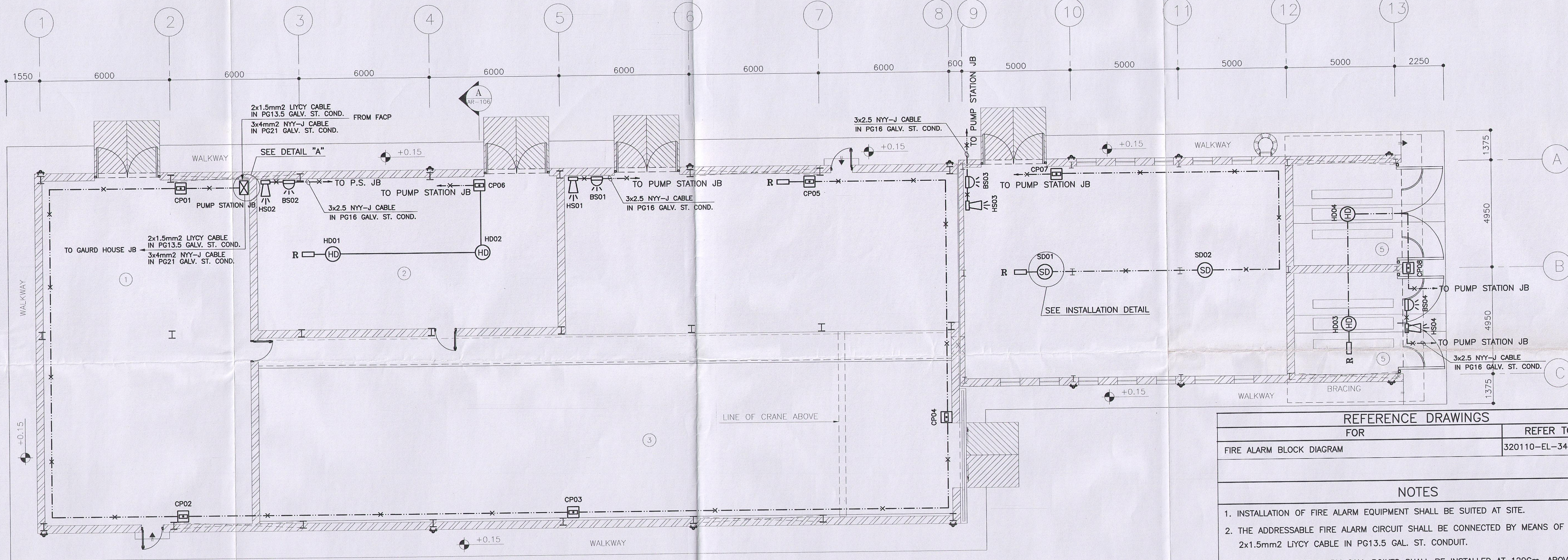
PROJECT TITLE :	GHADIR DIRECT REDUCTION PLANT
CLIENT DRAWING No.	REV.
3201 MNE 28 732	Z

	SIGNATURE	DATE	SCALE	SIZE
DESIGNED	M.ARJMAND	89.06.17	1:75	A3
DRAWN	M.ARJMAND	89.06.17	PROJECT REF. NO. 320110	
CHECKED	M.ESFANDIARI	89.06.22		
APPROVED	F.ZARGHAM	89.06.23		



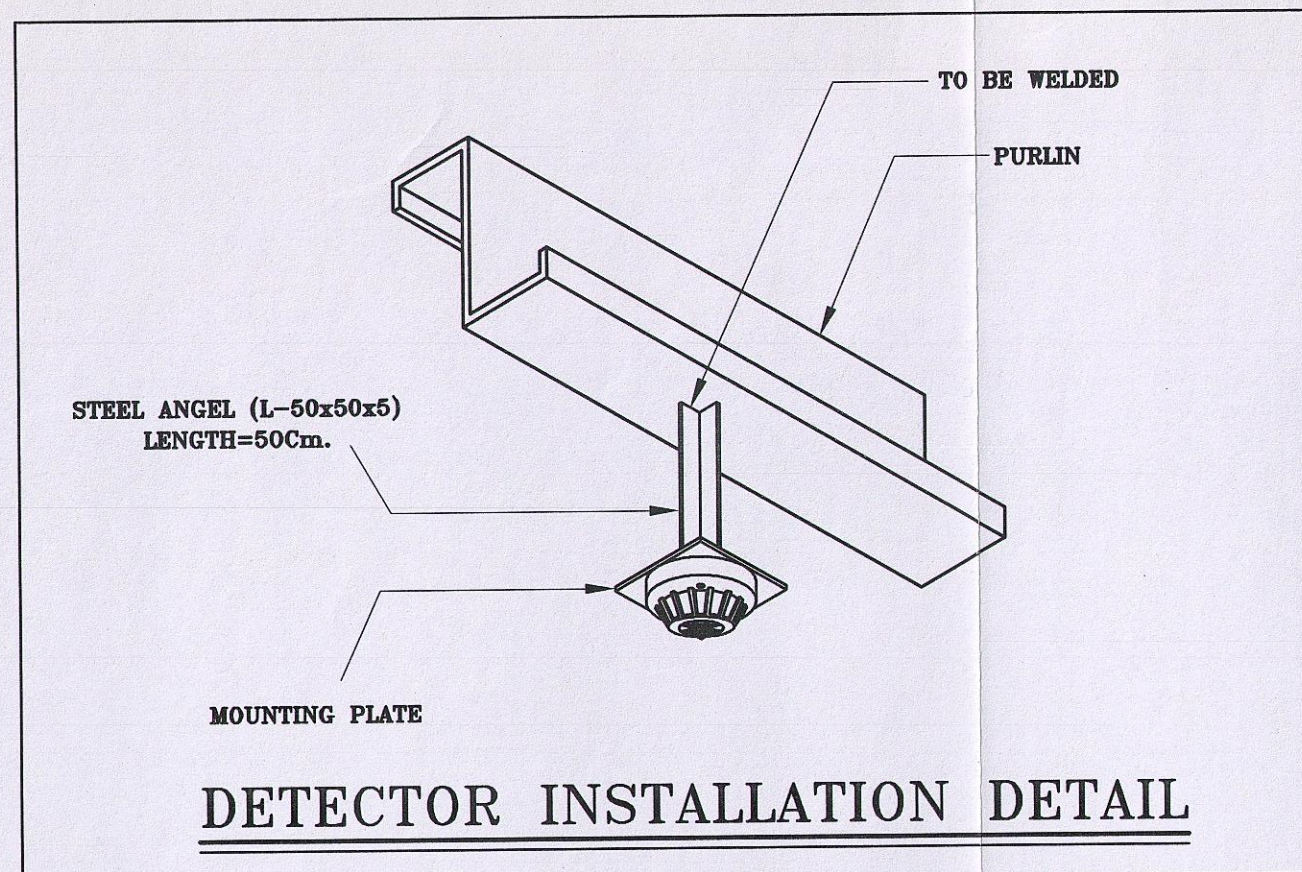
KEY PLAN

LEGEND	
SYMBOL	DESCRIPTION
---	FIRE ALARM CIRCUIT EXPOSED
R	END RESISTOR
CP	FIRE ALARM CALL POINT
FJB	FIRE ALARM JUNCTION BOX
SD	SMOKE DETECTOR (PHOTO ELECTRIC)
HS	HORN STROBE
HD	HEAT DETECTOR (FIXED TEMP.)
BE	BEACON, IP54
RI	REMOTE INDICATOR LAMP(LED)
FACP	FIRE ALARM CONTROL PANEL

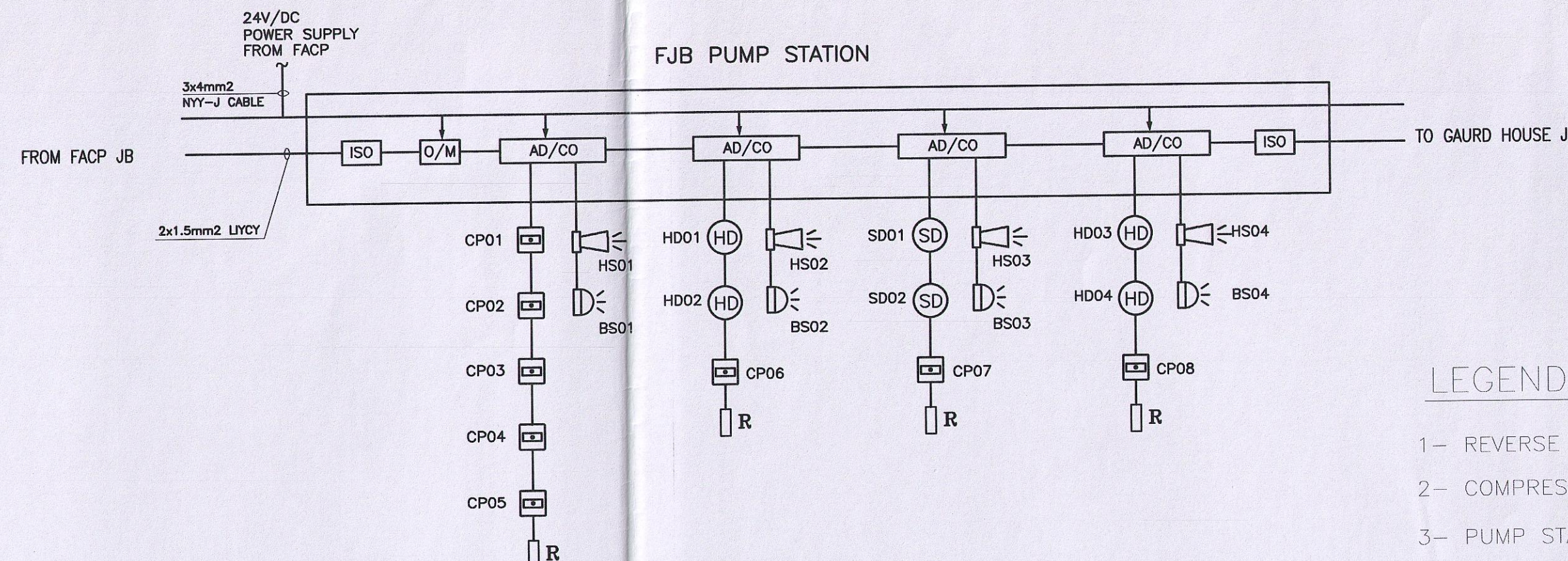


GROUND FLOOR PLAN

SCALE: 1:100



DETECTOR INSTALLATION DETAIL



DETAIL "A"

LEGEND:

- 1- REVERSE OSMOSIS UNIT
- 2- COMPRESSOR ROOM
- 3- PUMP STATION
- 4- ELECTRICAL ROOM
- 5- TRANSFORMER AREA

REFERENCE DRAWINGS	
FOR	REFER TO
FIRE ALARM BLOCK DIAGRAM	320110-EL-34-28-213

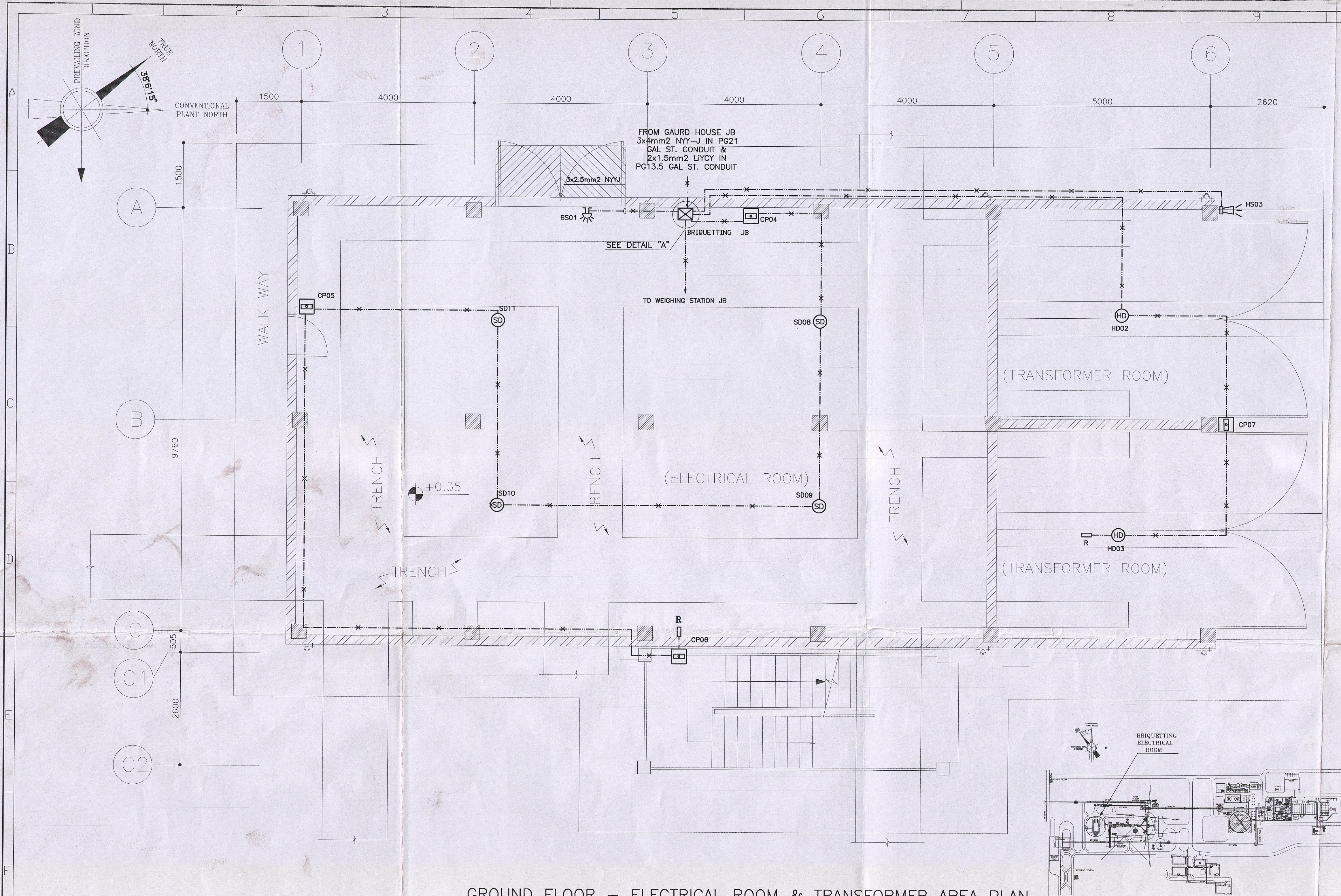
NOTES

1. INSTALLATION OF FIRE ALARM EQUIPMENT SHALL BE SUITED AT SITE.
2. THE ADDRESSABLE FIRE ALARM CIRCUIT SHALL BE CONNECTED BY MEANS OF 2x1.5mm2 LYCY CABLE IN PG13.5 GAL. ST. CONDUIT.
3. THE MANUAL FIRE ALARM CALL POINTS SHALL BE INSTALLED AT 120cm. ABOVE FINISHED FLOOR LEVEL.
4. THE FIRE ALARM BELL STROBE, HORN STROBE SHALL BE INSTALLED AT 300cm ABOVE FINISHED FLOOR.
5. THE FIRE ALARM JUNCTION BOX SHALL BE INSTALLED AT 220cm ABOVE FINISHED FLOOR.
6. ALL ELECTRICAL WIRING IN THIS BUILDING IS SURFACE MOUNTED.
7. THE DETECTORS SHALL NOT BE INSTALLED IN THE DIRECTION OF VENTILATION SYSTEM.
8. FIRE ALARM SIREN CIRCUIT IN THIS BUILDING SHALL BE CONNECTED BY MEANS OF 3x2.5mm2 NY-Y-J CABLE IN PG16 GAL. ST. CONDUIT.
9. RISER DIAGRAM IS SYMBOLIC, FOR DETAILED ARRANGEMENTS OF SENSORS PLEASE REFER TO F.A. LAYOUT DRAWINGS.

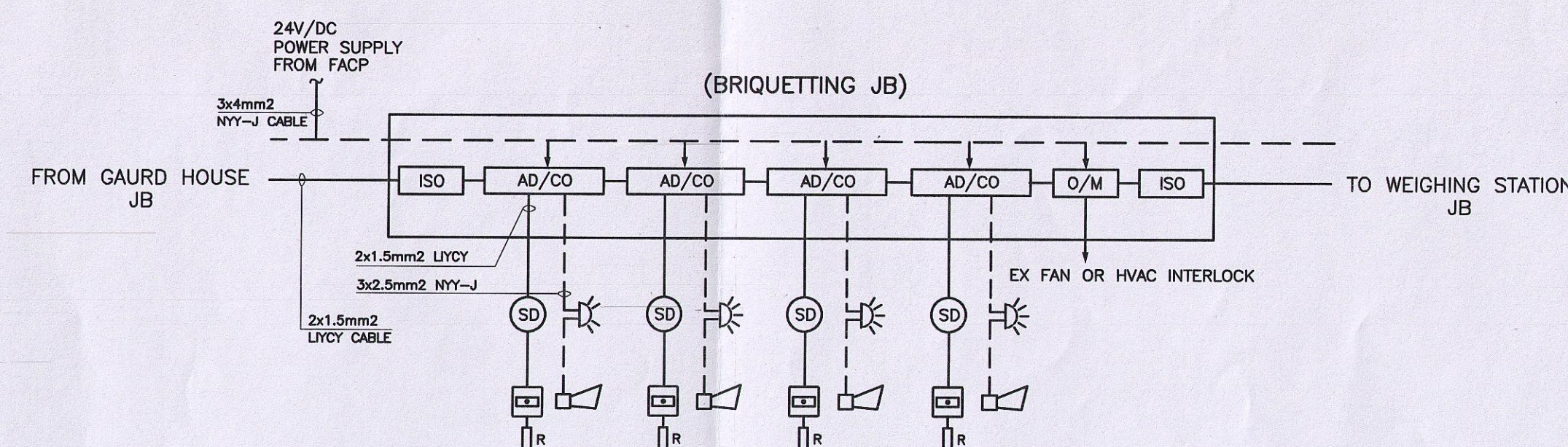
AS BUILT/FINAL
SIGNATURE _____ DATE 88-05-13

 شرکت مهندسی بین المللی مهندسی ایران		شرکت آهن و فولاد غدیر ایرانیان			
PROJECT TITLE :		CLIENT DRAWING No.		REV	
GHADIR DIRECT REDUCTION PLANT		3201GNE28501		Z	
 IRAN INTERNATIONAL ENGINEERING COMPANY		 شرکت مهندسی بین المللی مهندسی ایران		IRITEC DRAWING No.	
		320110 EL 34 28 501		Z	
DRAWING TITLE :					
PUMP STATION FIRE ALARM SYSTEM LAYOUT					
 BIDEC DESIGN-EXEC-DOC		شرکت مهندسی بینا طرح نوآور		SIGNATURE	
		DESIGNED		H.MOHTARAMI 88.05.07	
		DRAWN		H.MOHTARAMI 88.05.08	
		CHECKED		S.HUSHMANDI 88.05.11	
		APPROVED		I.SHAHROKHI 88.05.12	
BIDEC DRAWING No.		REV		SCALE	
XXXXXXXX XX XX XX XXX		A		1:100 A1	
				PROJECT REF. NO.	
				XXXXXXXX	

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ALL DIM IN MILLIMETER					
Z	Z	90.10.05	FOUADGOSTAR	M.BABAZADEH	AS BUILT/FINAL
1	1	88.05.13	H.MOHTARAMI	S.HUSHMANDI	FOR CONSTRUCTION
REV.	REV.	DATE	REVISED BY	REV. CHKD BY	REMARKS
IRITEC	CLIENT				



GROUND FLOOR – ELECTRICAL ROOM & TRANSFORMER AREA PLAN



DETAIL "A"

LEGEND	
SYMBOL	DESCRIPTION
—x—x—x—	FIRE ALARM CIRCUIT EXPOSED
□ R	END RESISTOR
□	FIRE ALARM CALL POINT
FJB	FIRE ALARM JUNCTION BOX
SD	SMOKE DETECTOR (PHOTO ELECTRIC)
□	HORN STROBE
HD	HEAT DETECTOR (FIXED TEMP.)
□	BEACON, IP54
□	BELL STROBE
□	REMOTE INDICATOR LAMP(LED)
FBRP	FIRE BRIGADE REPEATER PANEL
FACP	FIRE ALARM CONTROL PANEL

REFERENCE DRAWINGS	
FOR	REFER TO
FIRE ALARM BLOCK DIAGRAM	320110EL3428213

- NOTES
1. INSTALLATION OF FIRE ALARM EQUIPMENT SHALL BE SUITED AT SITE.
 2. THE ADDRESSABLE FIRE ALARM CIRCUIT SHALL BE CONNECTED BY MEANS OF 2x1.5mm² LYCY CABLE IN PG13.5 GAL. ST. CONDUIT.
 3. THE MANUAL FIRE ALARM CALL POINTS SHALL BE INSTALLED AT 120cm. ABOVE FINISHED FLOOR LEVEL.
 4. THE FIRE ALARM BELL STROBE, HORN STROBE SHALL BE INSTALLED AT 300cm ABOVE FINISHED FLOOR.
 5. THE FIRE ALARM JUNCTION BOX SHALL BE INSTALLED AT 220cm ABOVE FINISHED FLOOR.
 6. ALL ELECTRICAL WIRING IN THIS BUILDING IS SURFACE MOUNTED.
 7. THE DETECTORS SHALL NOT BE INSTALLED IN THE DIRECTION OF VENTILATION SYSTEM.
 8. FIRE ALARM SIREN CIRCUIT IN THIS BUILDING SHALL BE CONNECTED BY MEANS OF 3x2.5mm² NY-Y-J CABLE IN PG16 GAL. ST. CONDUIT.
 9. RISER DIAGRAM IS SYMBOLIC, FOR DETAIL ARRANGMENTS OF SENSORS PLEASE REFER TO F.A LAYOUT DRAWINGS.

AS BUILT/FINAL

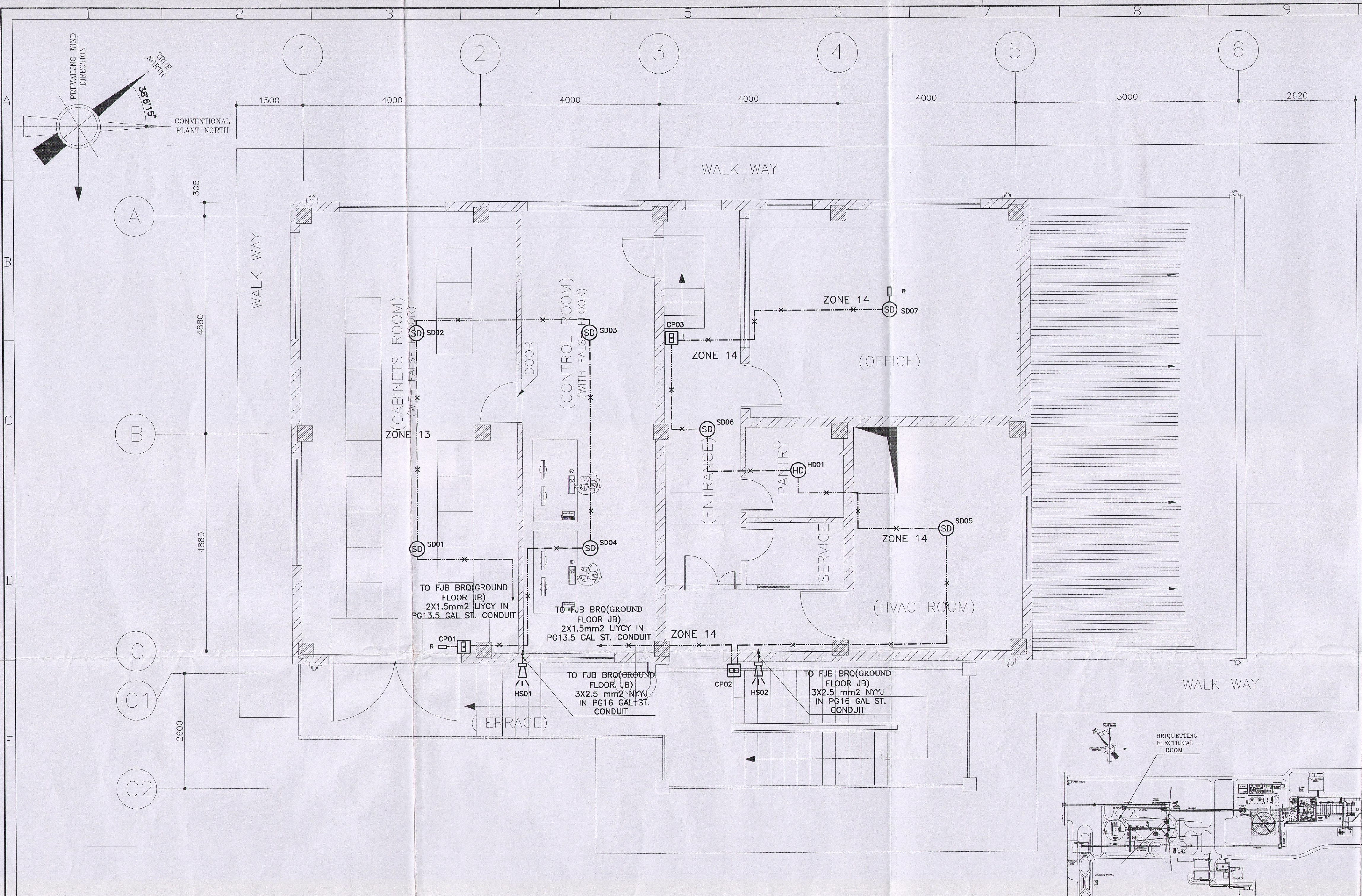
SIGNATURE _____ DATE _____

		شرکت آهن و فولاد غدیر ایرانیان	
PROJECT TITLE :	GHADIR DIRECT REDUCTION PLANT	CLIENT DRAWING No.	3201MNE28702
IRITEC	ایریتک	IRITEC DRAWING No.	320110 EL 34 28 702
IRAN INTERNATIONAL ENGINEERING COMPANY	شرکت بین المللی مهندسی ایران	DRAWING TITLE :	ELECT. & CONT. ROOM FOR BRIQUETTING & RMH-GROUND FLOOR FIRE ALARM SYSTEM LAYOUT
DESIGNED	S.HUSHMANDI	DATE	88.05.05
DRAWN	R.FATTAHI	SCALE	A1
CHECKED	A.SADEGHINEJAD	PROJECT REF. NO.	
APPROVED	I.SHAHROKHI		

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REV.	REV.	DATE	REVISED BY	REV. CHKD BY	REMARKS
1	1	88.05.12	R.FATTAHI	S.HUSHMANDI	FOR CONSTRUCTION
1	1	90.10.05	FOUADGOSTAR	M.BABAZADEH	AS BUILT/FINAL



FIRST FLOOR – ELECTRICAL ROOM & TRANSFORMER AREA PLAN

KEY PLAN

LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM CIRCUIT EXPOSED
	END RESISTOR
	FIRE ALARM CALL POINT
	FIRE ALARM JUNCTION BOX
	SMOKE DETECTOR (PHOTO ELECTRIC)
	HORN STROBE
	HEAT DETECTOR (FIXED TEMP.)
	BEACON, IP54
	BELL STROBE
	REMOTE INDICATOR LAMP(LED)
	FIRE BRIGADE REPEATER PANEL
	FIRE ALARM CONTROL PANEL

REFERENCE DRAWINGS	
FOR	REFER TO
FIRE ALARM BLOCK DIAGRAM	320110EL3428213

- NOTES
1. INSTALLATION OF FIRE ALARM EQUIPMENT SHALL BE SUITED AT SITE.
 2. THE ADDRESSABLE FIRE ALARM CIRCUIT SHALL BE CONNECTED BY MEANS OF 2x1.5mm2 LIYCY CABLE IN PG13.5 GAL. ST. CONDUIT.
 3. THE MANUAL FIRE ALARM CALL POINTS SHALL BE INSTALLED AT 120cm. ABOVE FINISHED FLOOR LEVEL.
 4. THE FIRE ALARM BELL STROBE, HORN STROBE SHALL BE INSTALLED AT 300cm ABOVE FINISHED FLOOR.
 5. THE FIRE ALARM JUNCTION BOX SHALL BE INSTALLED AT 220cm ABOVE FINISHED FLOOR.
 6. ALL ELECTRICAL WIRING IN THIS BUILDING IS SURFACE MOUNTED.
 7. THE DETECTORS SHALL NOT BE INSTALLED IN THE DIRECTION OF VENTILATION SYSTEM.
 8. FIRE ALARM SIREN CIRCUIT IN THIS BUILDING SHALL BE CONNECTED BY MEANS OF 3x2.5mm2 NYY-J CABLE IN PG16 GAL. ST. CONDUIT.
 9. RISER DIAGRAM IS SYMBOLIC, FOR DETAIL ARRANGMENTS OF SENSORS PLEASE REFER TO F.A LAYOUT DRAWINGS.

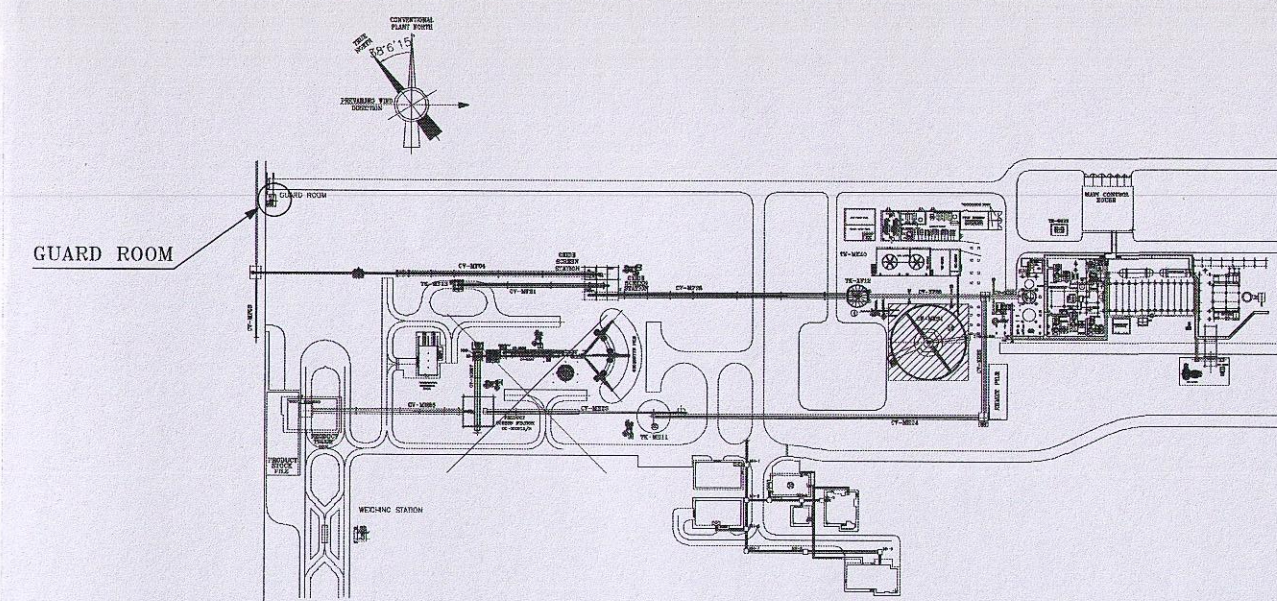
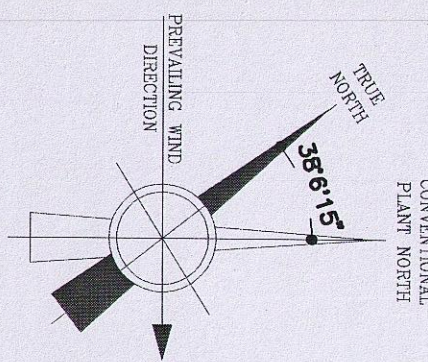
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ALL DIM IN MILLIMETER					
REV.	REV.	DATE	REVISED BY	REV. CHKD BY	REMARKS
1	1	88.05.12	R.FATTAHI	S.HUSHMANDI	FOR CONSTRUCTION

6RC-305

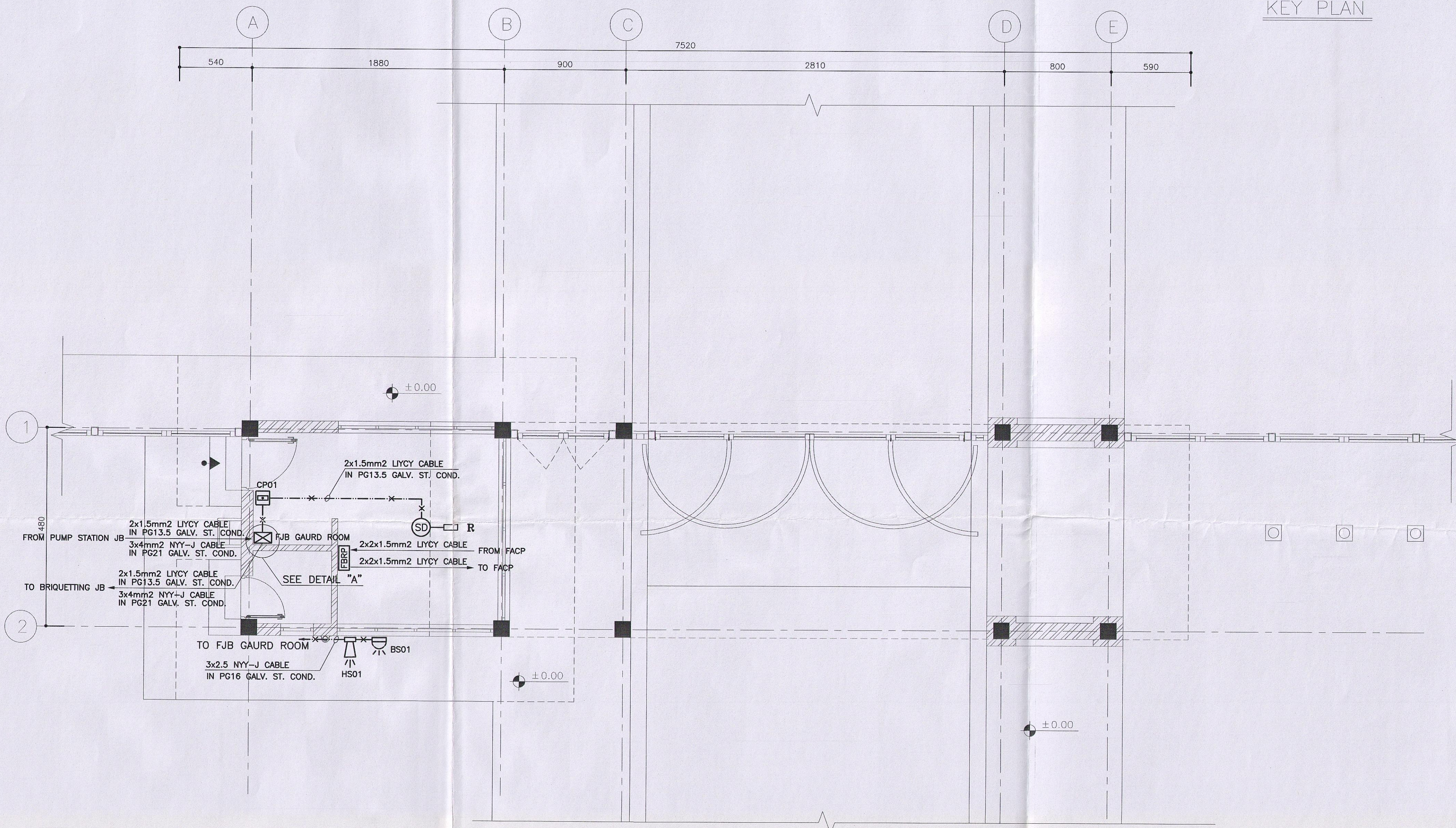
AS BUILT/FINAL

SIGNATURE _____ DATE _____

		شرکت آهن و فولاد غدیر ایرانیان	
PROJECT TITLE :		CLIENT DRAWING No.	REV.
GHADIR DIRECT REDUCTION PLANT		3201MNE28703	Z
		IRITEC DRAWING No.	REV.
IRAN INTERNATIONAL ENGINEERING COMPANY		320110 EL 34 28 703	Z
DRAWING TITLE :			
ELECT. & CONT. ROOM FOR BRIQUETTING & RMH-FIRST FLOOR FIRE ALARM SYSTEM LAYOUT			
		SIGNATURE	DATE
شرکت مهندسی بینا طرح نوآفر		S.HUSHMANDI	88.05.05
DESIGNED		R.FATTAHI	88.05.05
DRAWN		A.SADEGHINEJAD	88.05.08
BIDEC DRAWING No.		APPROVED	1.SHAHROKHI
XXXXXX XX XX XX XXX		88.05.11	XXXXXX

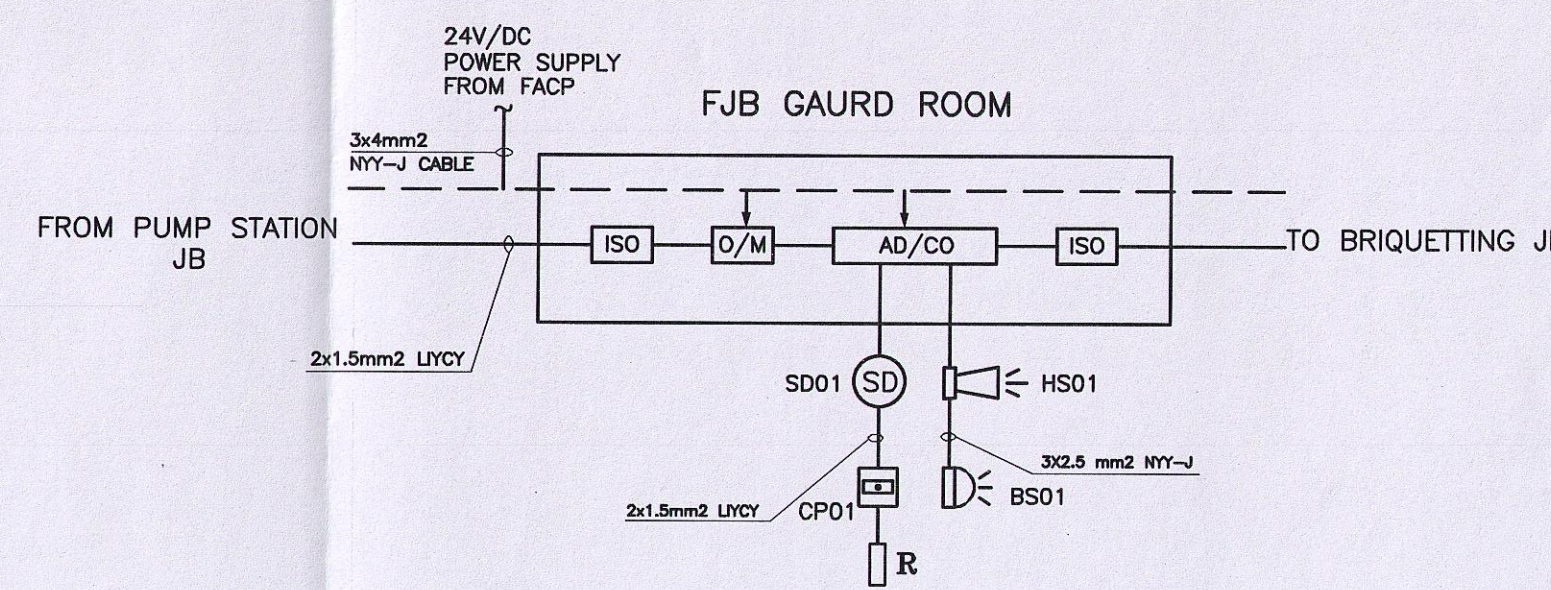


KEY PLAN



GROUND FLOOR PLAN

SCALE 1:50



DETAIL "A"

LEGEND

SYMBOL	DESCRIPTION
—X—X—	FIRE ALARM CIRCUIT EXPOSED
□ R	END RESISTOR
□	FIRE ALARM CALL POINT
FJB □	FIRE ALARM JUNCTION BOX
⊙	SMOKE DETECTOR (PHOTO ELECTRIC)
⊞	HORN STROBE
⊙	HEAT DETECTOR (FIXED TEMP.)
⊞	BEACON, IP54
□	REMOTE INDICATOR LAMP(LED)
↙	GOING DOWN
FBRP	FIRE BRIGADE REPEATER PANEL
FACP	FIRE ALARM CONTROL PANEL

REFERENCE DRAWINGS

FOR	REFER TO
FIRE ALARM BLOCK DIAGRAM	320110-EL-34-28-213

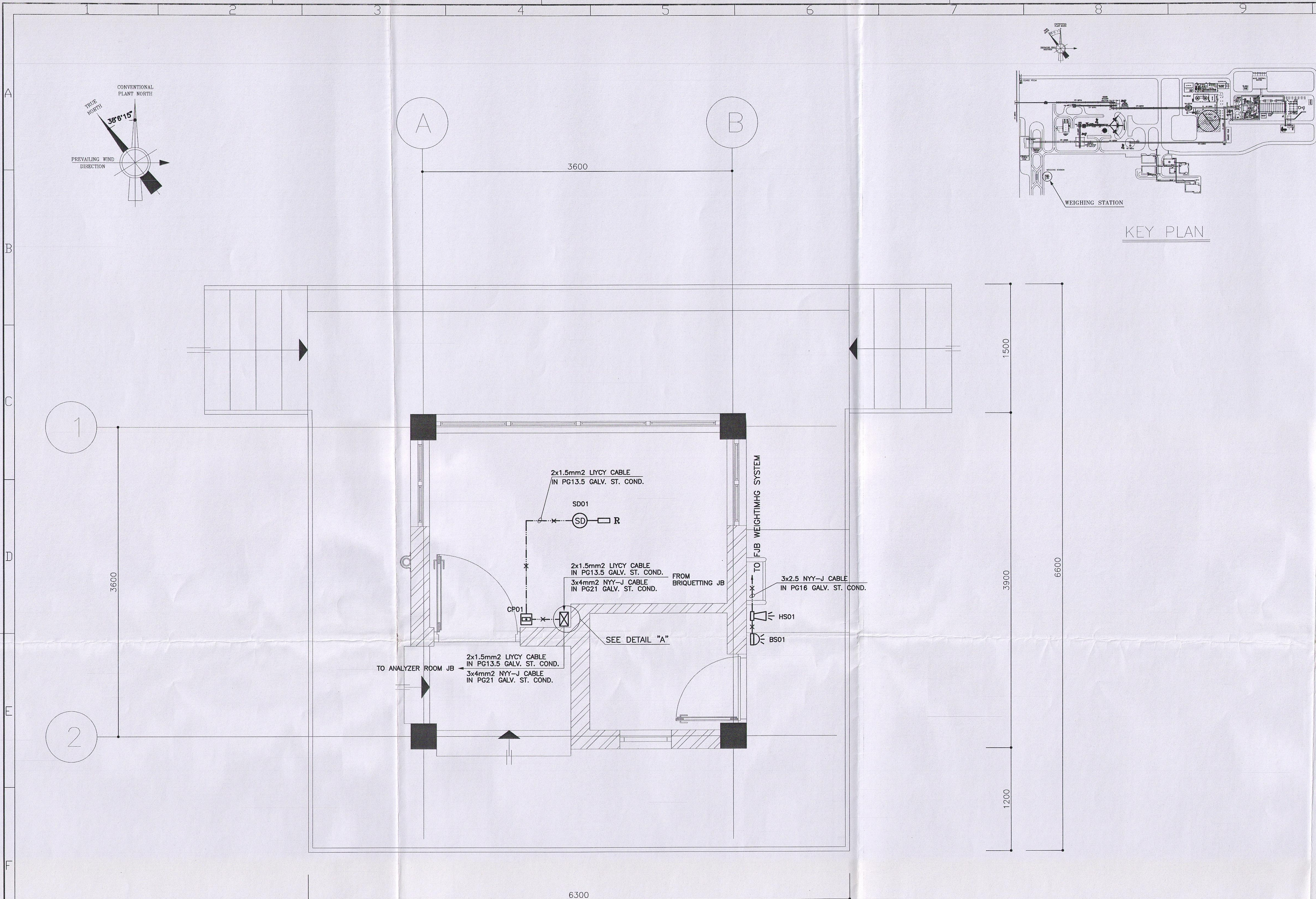
NOTES

1. INSTALLATION OF FIRE ALARM EQUIPMENT SHALL BE SUITED AT SITE.
2. THE ADDRESSABLE FIRE ALARM CIRCUIT SHALL BE CONNECTED BY MEANS OF 2x1.5mm² LIYCY CABLE IN PG13.5 GAL. ST. CONDUIT.
3. THE MANUAL FIRE ALARM CALL POINTS SHALL BE INSTALLED AT 120cm. ABOVE FINISHED FLOOR LEVEL.
4. THE FIRE ALARM BELL STROBE, HORN STROBE SHALL BE INSTALLED AT 300cm ABOVE FINISHED FLOOR.
5. THE FIRE ALARM JUNCTION BOX SHALL BE INSTALLED AT 220cm ABOVE FINISHED FLOOR.
6. ALL ELECTRICAL WIRING IN THIS BUILDING IS SURFACE MOUNTED.
7. THE DETECTORS SHALL NOT BE INSTALLED IN THE DIRECTION OF VENTILATION SYSTEM.
8. FIRE ALARM SIREN CIRCUIT IN THIS BUILDING SHALL BE CONNECTED BY MEANS OF 3x2.5mm² NY-Y-J CABLE IN PG16 GAL. ST. CONDUIT.
9. RISER DIAGRAM IS SYMBOLIC, FOR DETAIL ARRANGMENTS OF SENSORS PLEASE REFER TO F.A LAYOUT DRAWINGS.

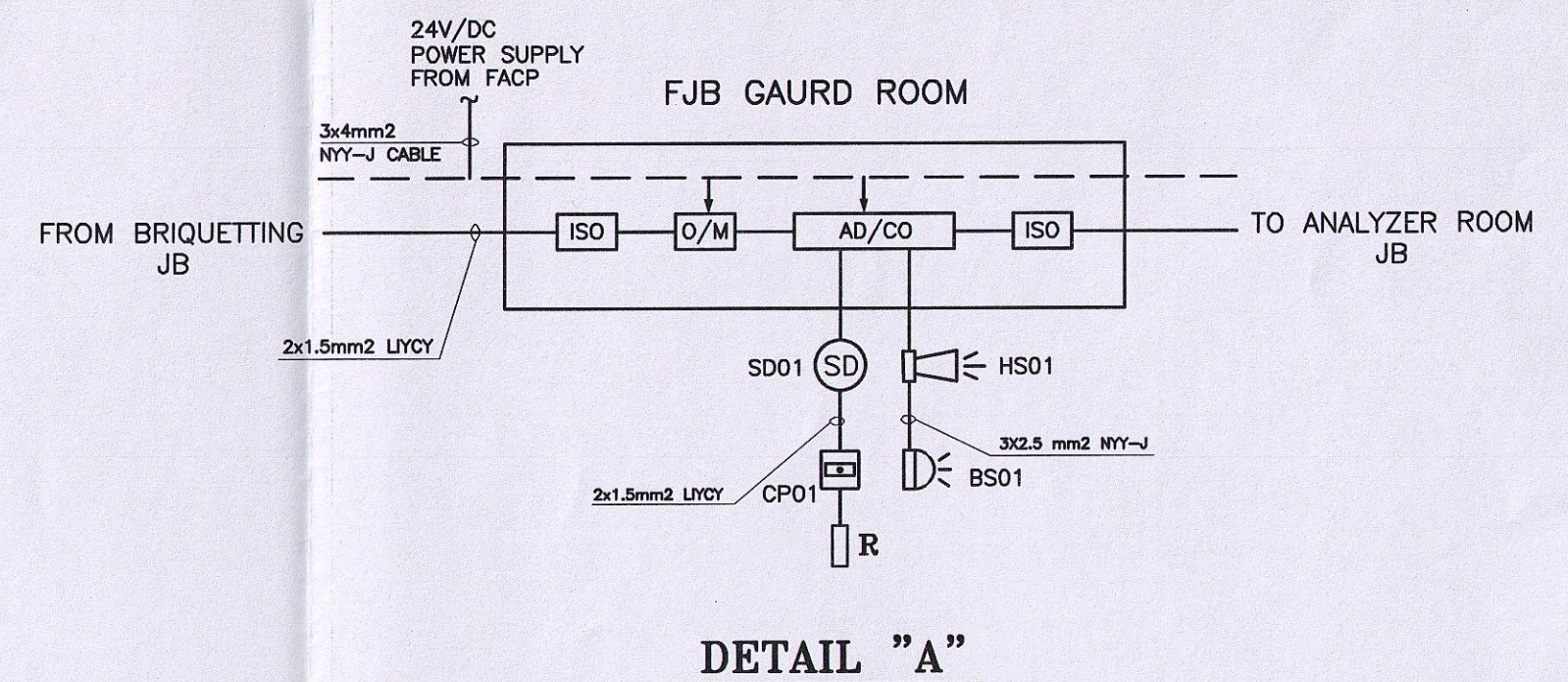
AS BUILT/FINAL

SIGNATURE _____ DATE _____

شرکت آهن و فولاد غدیر ایرانیان		CLIENT DRAWING No.		REV.
PROJECT TITLE : GHADIR DIRECT REDUCTION PLANT		3201MNE28810		Z
IRITEC		IRITEC DRAWING No.		REV.
IRAN INTERNATIONAL ENGINEERING COMPANY		320110 EL 34 28 810		Z
DRAWING TITLE : GAURD ROOM FIRE ALARM SYSTEM LAYOUT				
DESIGNED		SIGNATURE	DATE	SCALE
H.MOHTARAMI			88.05.07	1:50
DRAWN		SIGNATURE	DATE	SIZE
H.MOHTARAMI			88.05.08	A1
CHECKED		SIGNATURE	DATE	PROJECT REF. NO.
S.HUSHMANDI			88.05.11	
APPROVED		SIGNATURE	DATE	
I.SHAHROKHI			88.05.12	
BIDEC DRAWING No.		XXXXXX XX XX XX XXX		
REV.		A		



GROUND FLOOR PLAN
SCALE 1:50



DETAIL "A"

LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM CIRCUIT EXPOSED
	END RESISTOR
	FIRE ALARM CALL POINT
	FIRE ALARM JUNCTION BOX
	SMOKE DETECTOR (PHOTO ELECTRIC)
	HORN STROBE
	HEAT DETECTOR (FIXED TEMP.)
	BEACON, IP54
	REMOTE INDICATOR LAMP(LED)
	GOING DOWN
	FIRE BRIGADE REPEATER PANEL
	FIRE ALARM CONTROL PANEL

REFERENCE DRAWINGS	
FOR	REFER TO
FIRE ALARM BLOCK DIAGRAM	320110-EL-34-28-213

- NOTES
1. INSTALLATION OF FIRE ALARM EQUIPMENT SHALL BE SUITED AT SITE.
 2. THE ADDRESSABLE FIRE ALARM CIRCUIT SHALL BE CONNECTED BY MEANS OF 2x1.5mm2 LYCY CABLE IN PG13.5 GAL. ST. CONDUIT.
 3. THE MANUAL FIRE ALARM CALL POINTS SHALL BE INSTALLED AT 120cm. ABOVE FINISHED FLOOR LEVEL.
 4. THE FIRE ALARM BELL STROBE, HORN STROBE SHALL BE INSTALLED AT 300cm ABOVE FINISHED FLOOR.
 5. THE FIRE ALARM JUNCTION BOX SHALL BE INSTALLED AT 220cm ABOVE FINISHED FLOOR.
 6. ALL ELECTRICAL WIRING IN THIS BUILDING IS SURFACE MOUNTED.
 7. THE DETECTORS SHALL NOT BE INSTALLED IN THE DIRECTION OF VENTILATION SYSTEM.
 8. FIRE ALARM SIREN CIRCUIT IN THIS BUILDING SHALL BE CONNECTED BY MEANS OF 3x2.5mm2 NYY-J CABLE IN PG16 GAL. ST. CONDUIT.
 9. RISER DIAGRAM IS SYMBOLIC, FOR DETAIL ARRANGMENTS OF SENSORS PLEASE REFER TO F.A LAYOUT DRAWINGS.

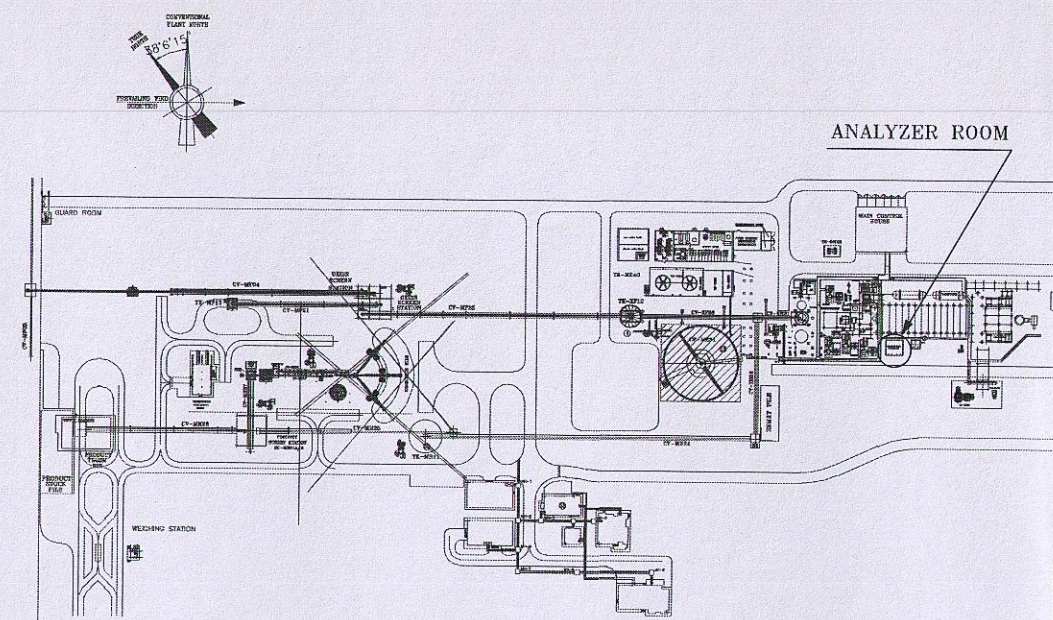
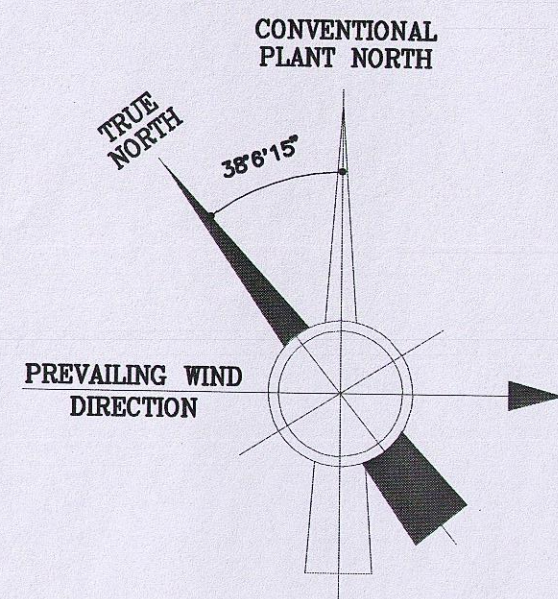
AS BUILT/FINAL
SIGNATURE _____ DATE _____

		شرکت آهن و فولاد غدیر ایرانیان	
PROJECT TITLE : GHADIR DIRECT REDUCTION PLANT		CLIENT DRAWING No.	3201MNE28811
IRITEC		IRITEC DRAWING No.	320110 EL 34 28 811
DRAUGHT TITLE : WEIGHING STATION FIRE ALARM SYSTEM LAYOUT		SIGNATURE DATE SCALE SIZE	
DESIGNED H.MOHTARAMI 88.05.07 1:50 A1		PROJECT REF. NO.	
DRAWN H.MOHTARAMI 88.05.08		CHECKED S.HUSHMANDI 88.05.11	
APPROVED I.SHAHROKHI 88.05.12		XXXXXX	

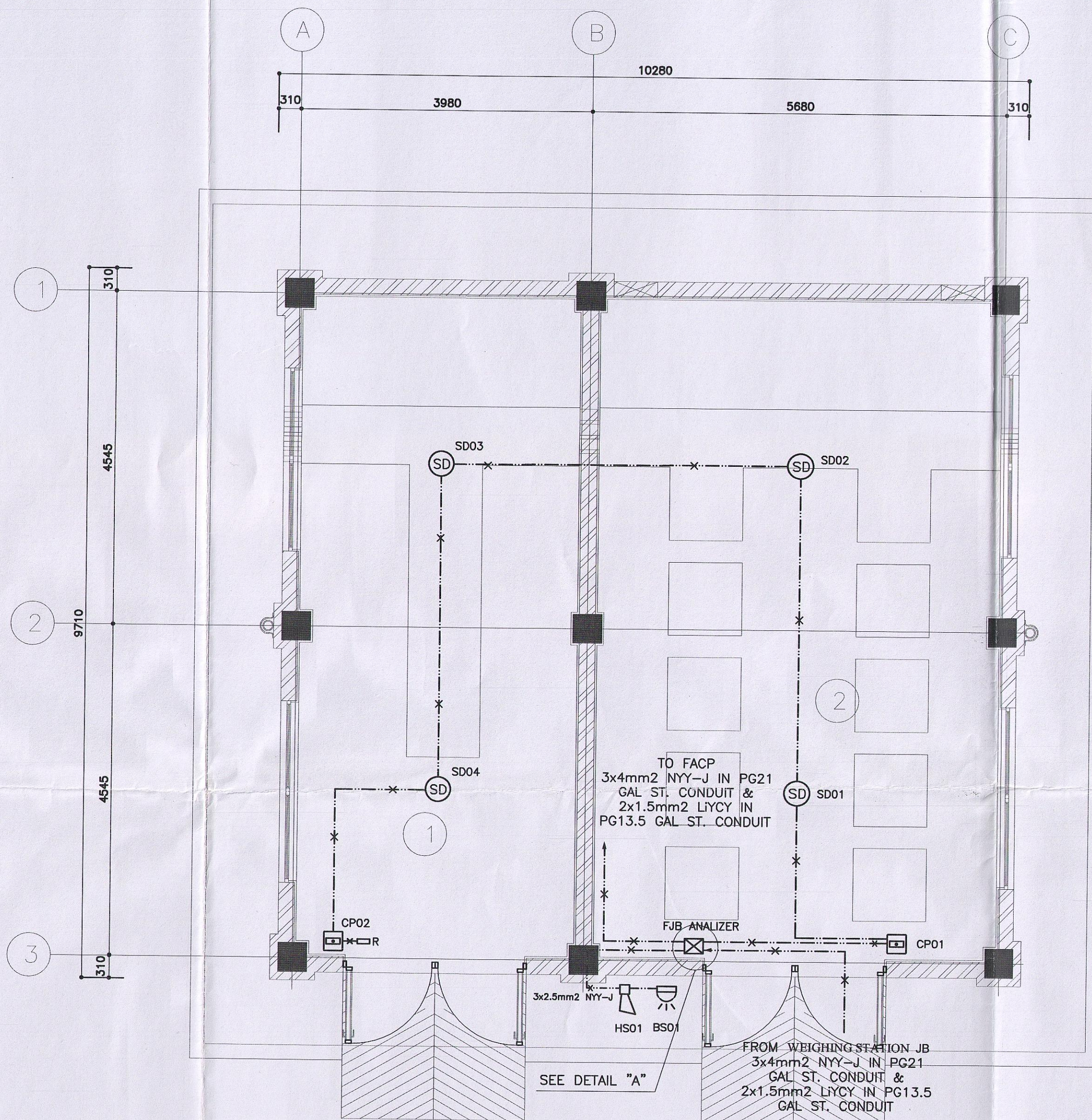
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REV.	REV.	DATE	REVISED BY	REV. CHKD BY	REMARKS
1	1	88.05.13	H.MOHTARAMI	S.HUSHMANDI	FOR CONSTRUCTION

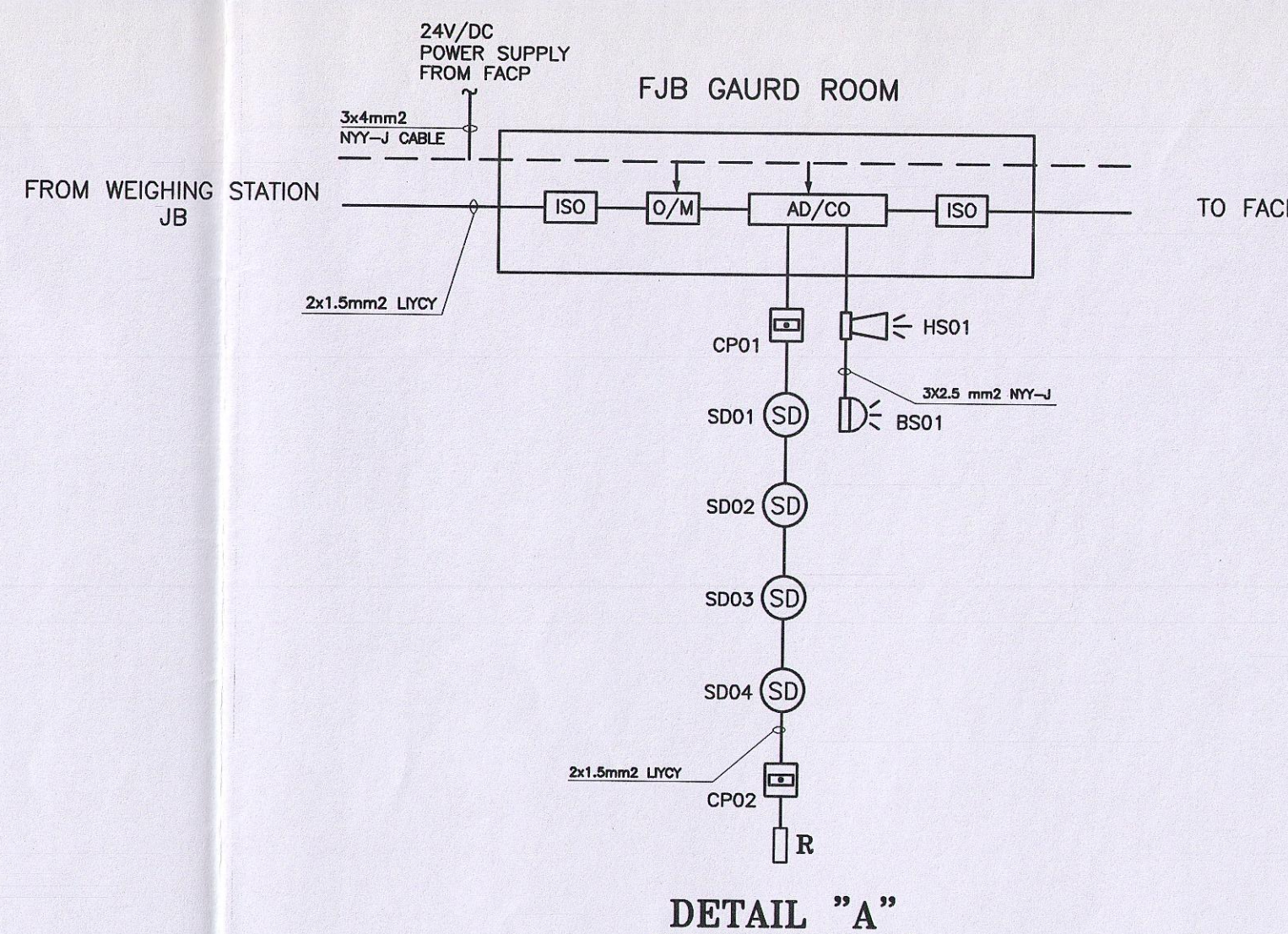


KEY PLAN



GROUND FLOOR PLAN

SCALE 1:50



DETAIL "A"

LEGEND	
SYMBOL	DESCRIPTION
—x—x—x—	FIRE ALARM CIRCUIT EXPOSED
R	END RESISTOR
⊠	FIRE ALARM CALL POINT
FJB ⊠	FIRE ALARM JUNCTION BOX
SD	SMOKE DETECTOR (PHOTO ELECTRIC)
HS	HORN STROBE
HD	HEAT DETECTOR (FIXED TEMP.)
BD	BEACON, IP54
⊠	REMOTE INDICATOR LAMP(LED)
⤵	GOING DOWN
FBRP	FIRE BRIGADE REPEATER PANEL
FACP	FIRE ALARM CONTROL PANEL

REFERENCE DRAWINGS	
FOR	REFER TO
FIRE ALARM BLOCK DIAGRAM	320110EL3428213

- NOTES
- INSTALLATION OF FIRE ALARM EQUIPMENT SHALL BE SUITED AT SITE.
 - THE ADDRESSABLE FIRE ALARM CIRCUIT SHALL BE CONNECTED BY MEANS OF 2x1.5mm2 LYCY CABLE IN PG13.5 GAL. ST. CONDUIT.
 - THE MANUAL FIRE ALARM CALL POINTS SHALL BE INSTALLED AT 120cm. ABOVE FINISHED FLOOR LEVEL.
 - THE FIRE ALARM BELL STROBE, HORN STROBE SHALL BE INSTALLED AT 300cm ABOVE FINISHED FLOOR.
 - THE FIRE ALARM JUNCTION BOX SHALL BE INSTALLED AT 220cm ABOVE FINISHED FLOOR.
 - ALL ELECTRICAL WIRING IN THIS BUILDING IS SURFACE MOUNTED.
 - THE DETECTORS SHALL NOT BE INSTALLED IN THE DIRECTION OF VENTILATION SYSTEM.
 - FIRE ALARM SIREN CIRCUIT IN THIS BUILDING SHALL BE CONNECTED BY MEANS OF 3x2.5mm2 NYJ-J CABLE IN PG16 GAL. ST. CONDUIT.
 - RISER DIAGRAM IS SYMBOLIC, FOR DETAIL ARRANGMENTS OF SENSORS PLEASE REFER TO F.A LAYOUT DRAWINGS.

AS BUILT/FINAL

SIGNATURE DATE

شرکت آهن و فولاد غدیر ایرانیان	
PROJECT TITLE :	CLIENT DRAWING No.
GHADIR DIRECT REDUCTION PLANT	3201ANE28231
IRITEC	IRITEC DRAWING No.
IRAN INTERNATIONAL ENGINEERING COMPANY	320110 EL 34 28 231
DRAWING TITLE :	
ANALYZER BUILDING FIRE ALARM SYSTEM LAYOUT	
DESIGNED	SIGNATURE
S.HUSHMANDI	DATE
88.05.05	SCALE
1:50	SIZE
A1	PROJECT REF. NO.
XXXXXX XX XX XX XXX	XXXXXX