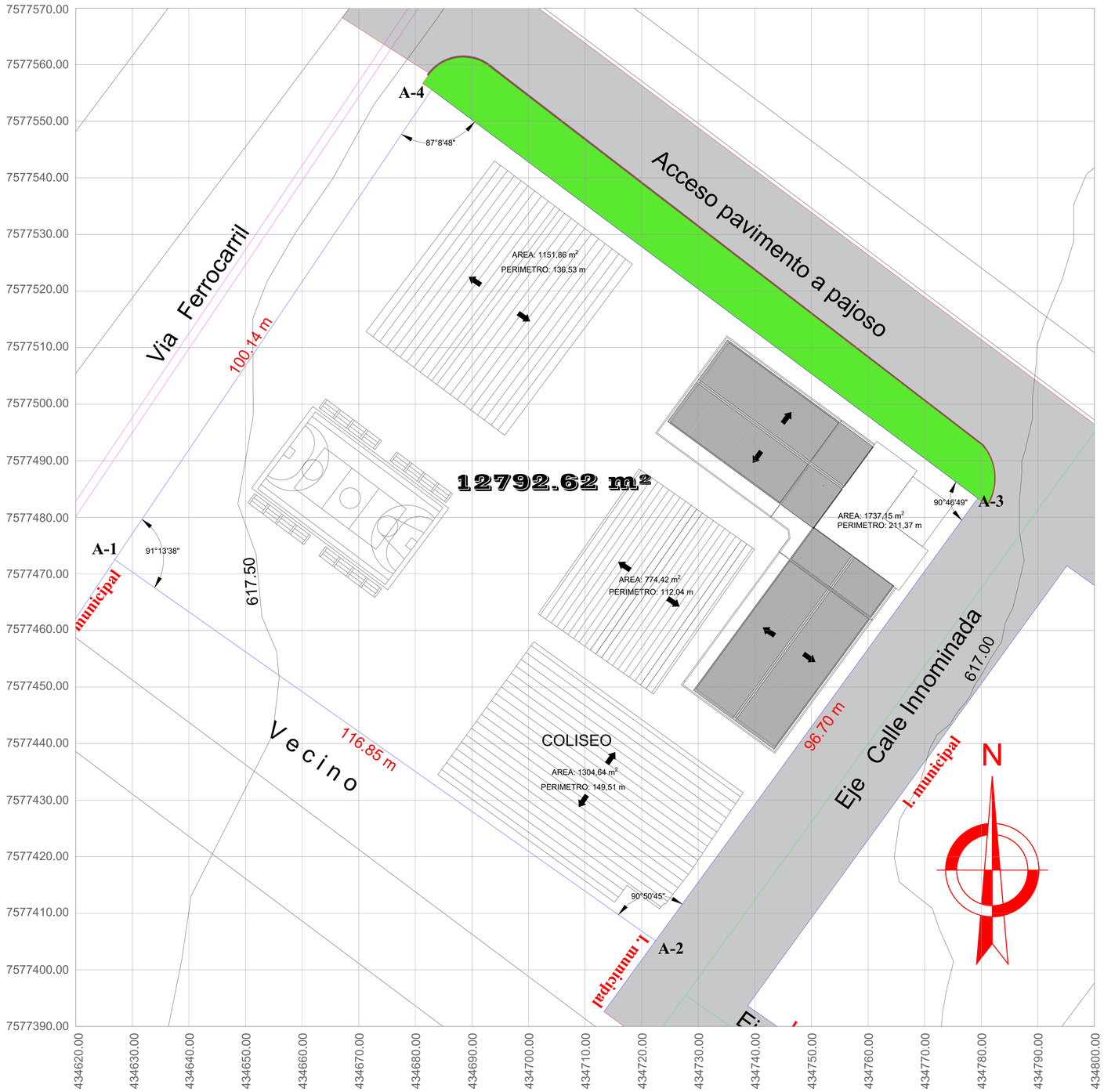
PLANO DE UBICACION Y TOPOGRAFICO



ESCALA 1:300

PLANILLAS DE COORDENADAS UTM - SISTEMA WGS - 84

PUNTO	ESTE	NORTE	ALTITUD
A-1	X=434626.91	Y=7577472.52	Z=617.59
A-2	X=434722.45	Y=7577405.13	Z=617.35
A-3	X=434779.38	Y=7577483.37	Z=617.06
A-4	X=434682.88	Y=7577555.61	Z=617.48

PLANO DE LOCALIZACION GOOGLE MAPS

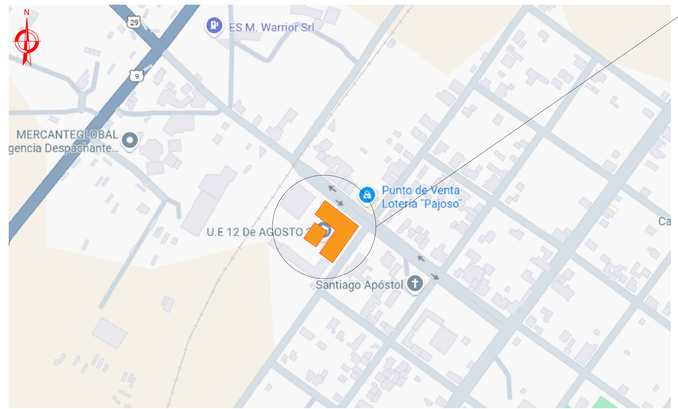


IMAGEN SATELITAL DE GOOGLE EARTH



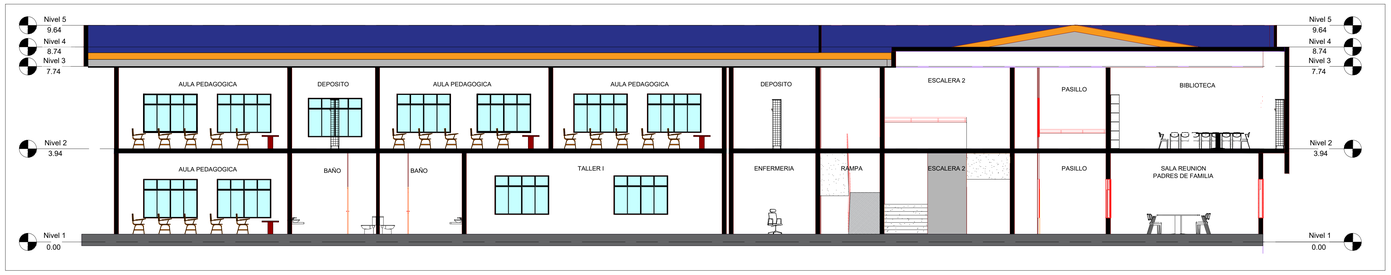
UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO FACULTA DE CIENCIAS Y TECNOLOGIA CARRERA DE INGENIERIA CIVIL	UNIV. JUAN EMANUEL LOPEZ ALARCON	PROYECTO: DISEÑO ESTRUCTURAL COLEGIO 12 DE AGOSTO UBICACION DEL PROYECTO: PRIMERA SECCION PROVINCIA GRAN CHACO	PROPIETARIO: GOBIERNO AUTONOMO MUNICIPAL DE YACUIBA	CARACTER DEL PLANO: PLANO DE UBICACION Y TOPOGRAFICO	ESCALA: INDICADA	N° de LAMINA: 01/19

FACHADA FRONTAL
ESC:1:100



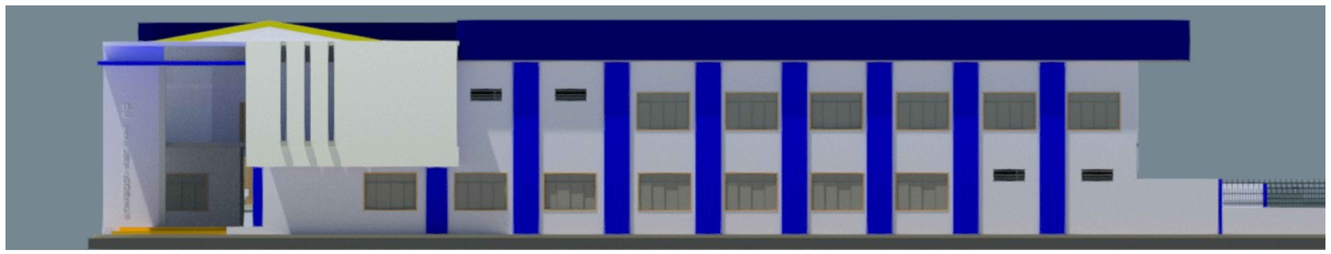


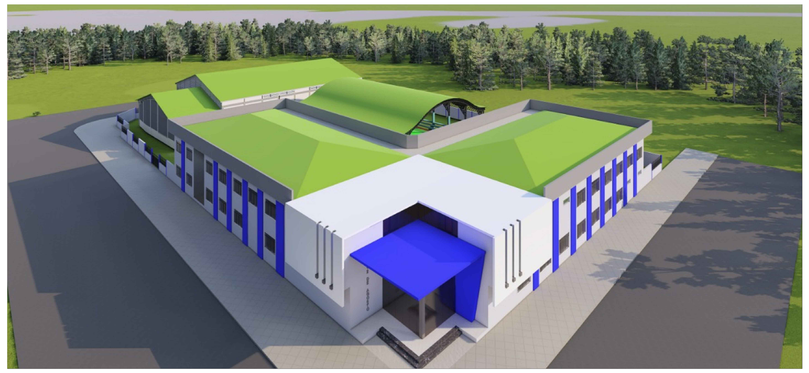
CORTE TRANSVERSAL A-A
ESC:1:100



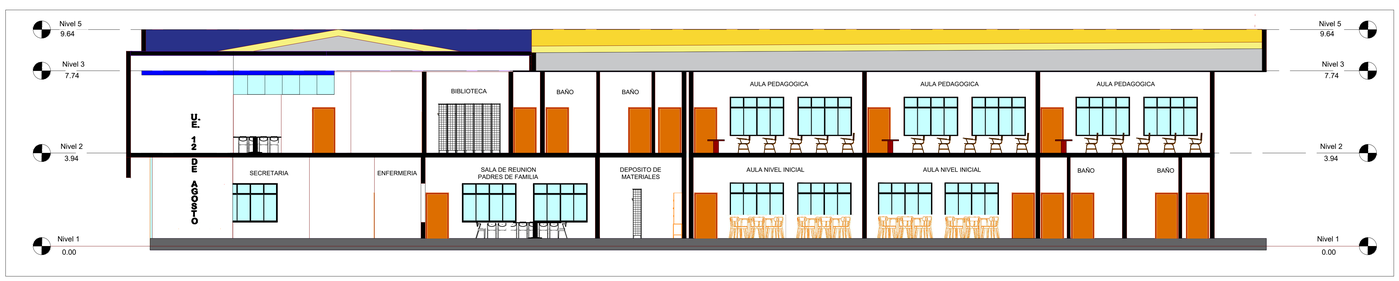


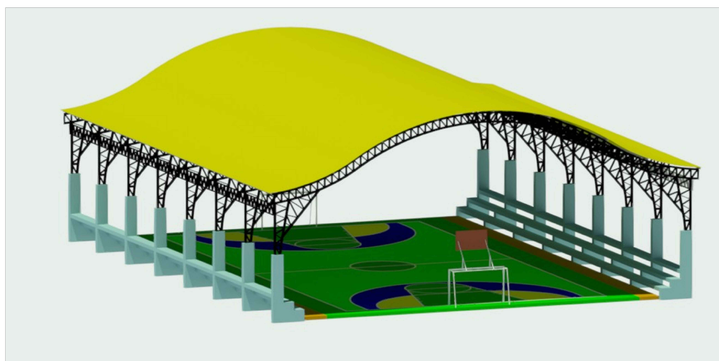
FACHADA LATERAL DERECHO
ESC:1:100





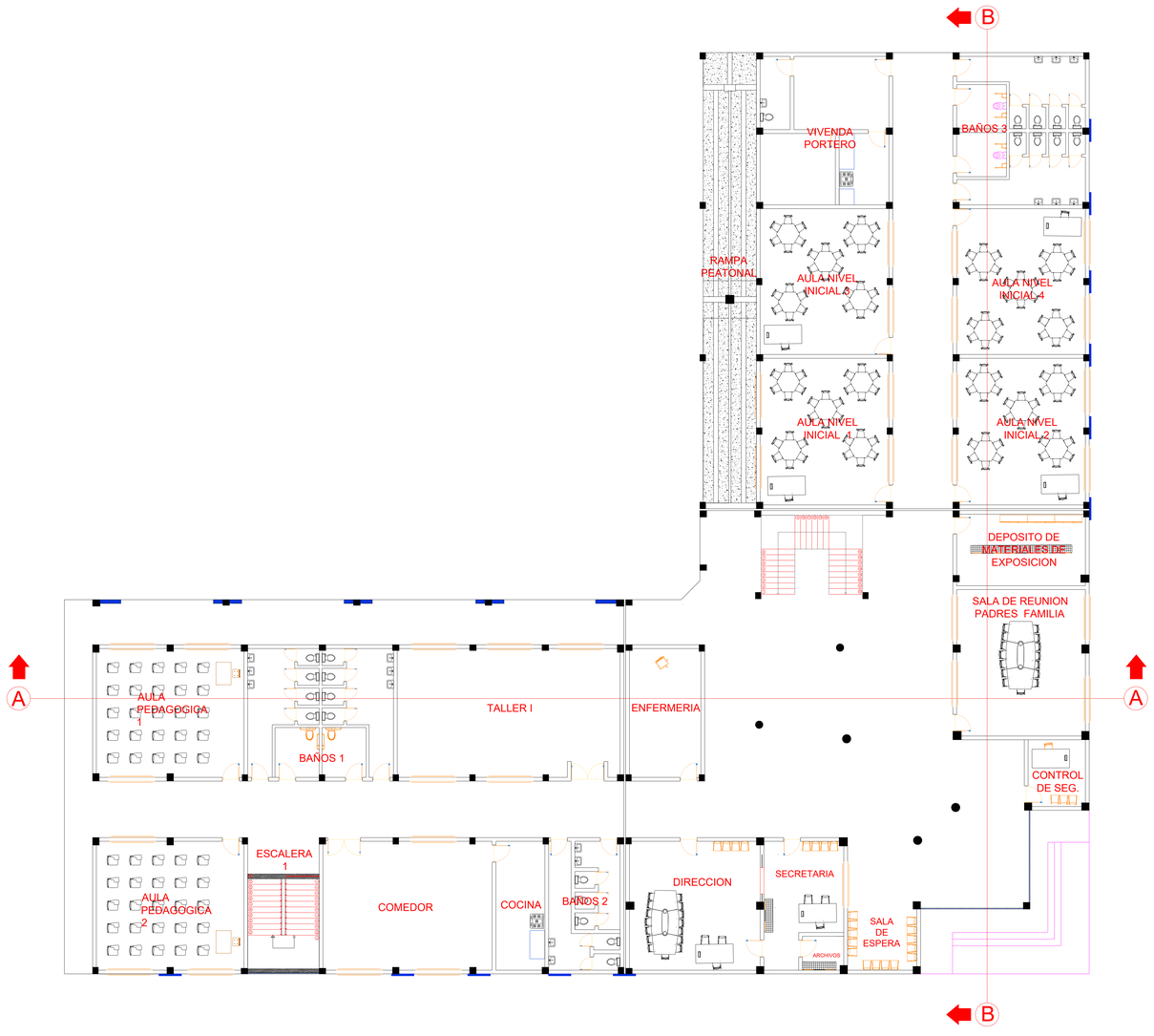
CORTE TRANSVERSAL B-B
ESC:1:100



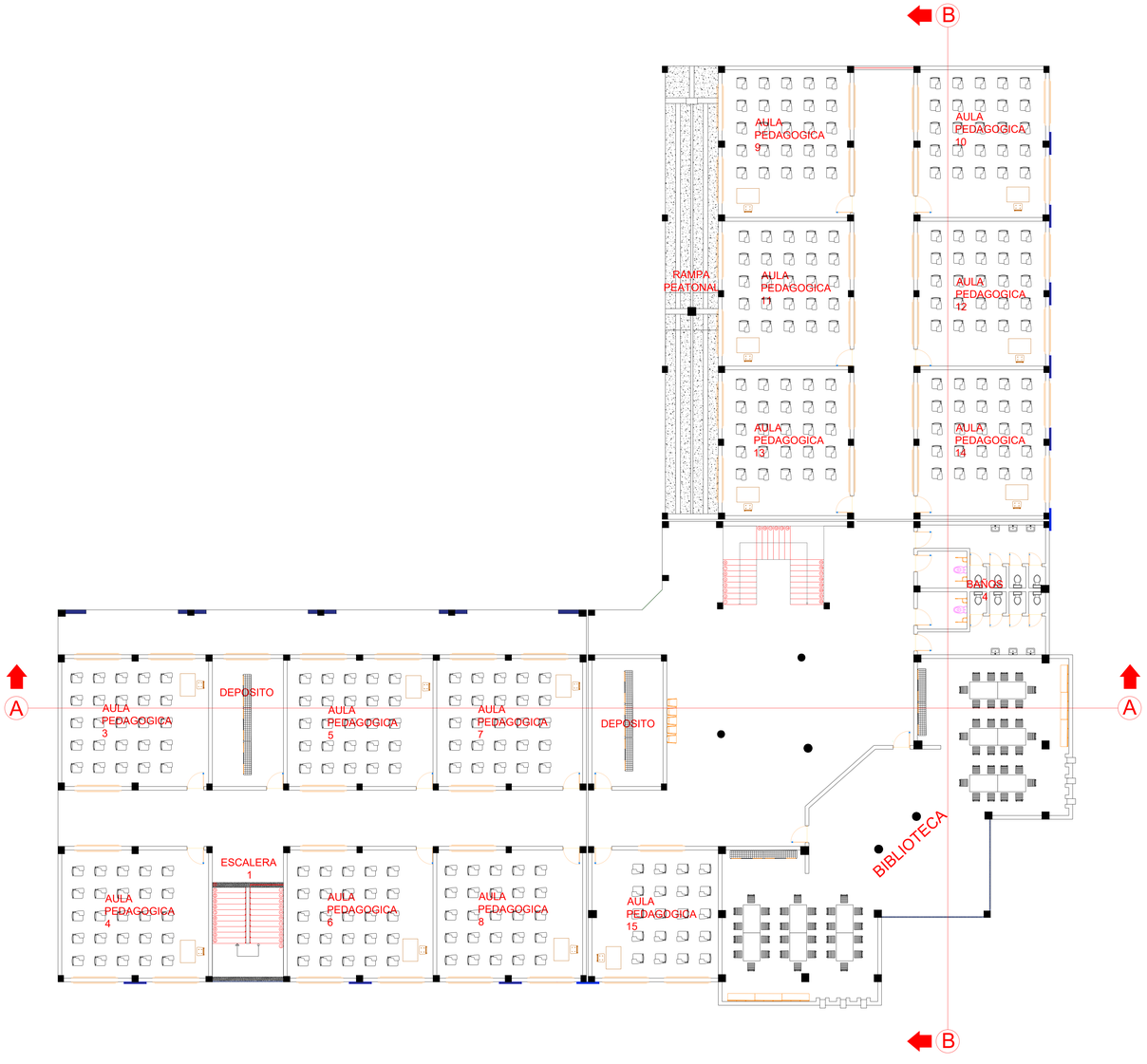


UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO FACULTA DE CIENCIAS Y TECNOLOGIA CARRERA DE INGENIERIA CIVIL	UNIV. JUAN EMANUEL LOPEZ ALARCON	PROYECTO: DISEÑO ESTRUCTURAL COLEGIO 12 DE AGOSTO UBICACION DEL PROYECTO: PRIMERA SECCION PROVINCIA GRAN CHACO	PROPIETARIO: GOBIERNO AUTONOMO MUNICIPAL DE YACUIBA	CARACTER DEL PLANO: PLANOS ARQUITECTONICOS CORTES Y FACHADAS	ESCALA: 1:100	N° de LAMINA: 02/19

VISTA EN PLANTA PLANTA BAJA
ESCALA 1:110

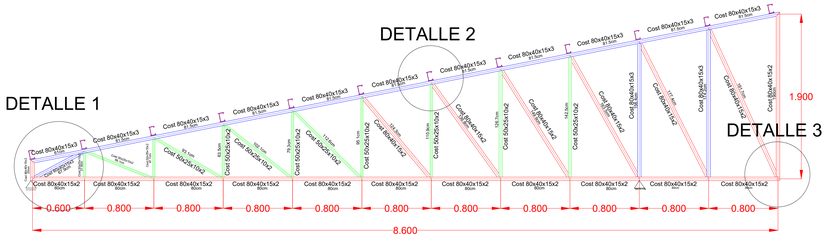


VISTA EN PLANTA PLANTA NIVEL 1
ESCALA 1:110

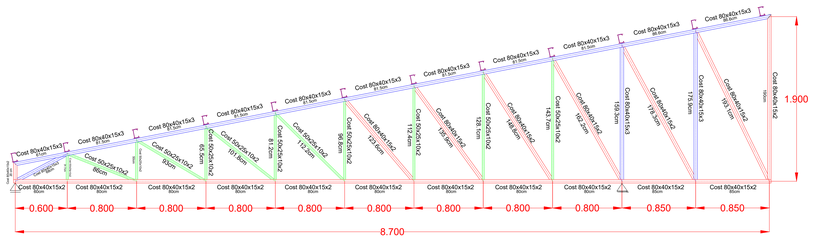


UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO FACULTA DE CIENCIAS Y TECNOLOGIA CARRERA DE INGENIERIA CIVIL	UNIV. JUAN EMANUEL LOPEZ ALARCON	PROYECTO: DISEÑO ESTRUCTURAL COLEGIO 12 DE AGOSTO UBICACION DEL PROYECTO: PRIMERA SECCION PROVINCIA GRAN CHACO	PROPIETARIO: GOBIERNO AUTONOMO MUNICIPAL DE YACUIBA	CARACTER DEL PLANO: PLANOS ARQUITECTONICOS VISTA EN PLANTA	ESCALA: 1:110	N° de LAMINA: 03/19

CERCHA TIPO 1
ESCALA 1:50

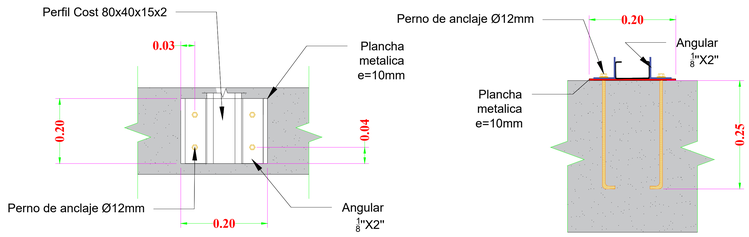


CERCHA TIPO 3
ESCALA 1:50

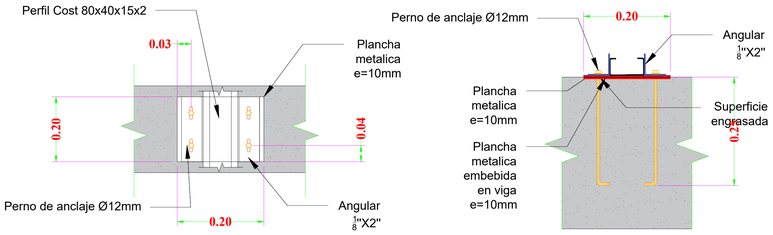


DETALLE DE APOYOS
ESCALA 1:10

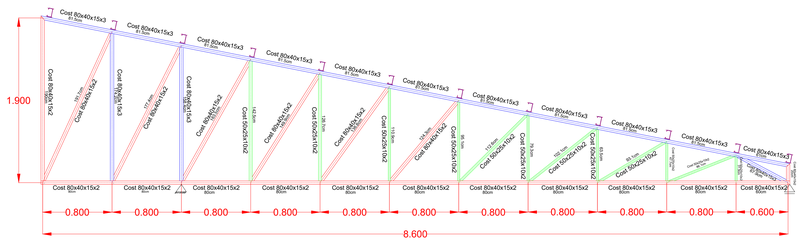
DETALLE DE APOYO FIJO



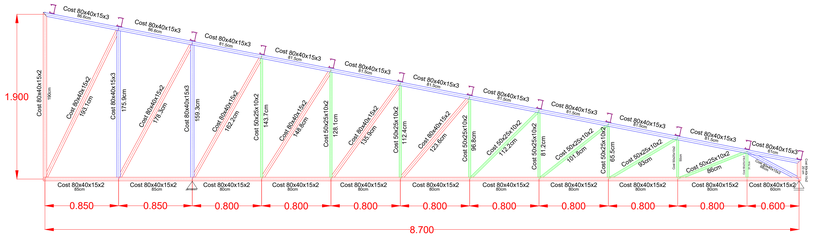
DETALLE DE APOYO MOVIL



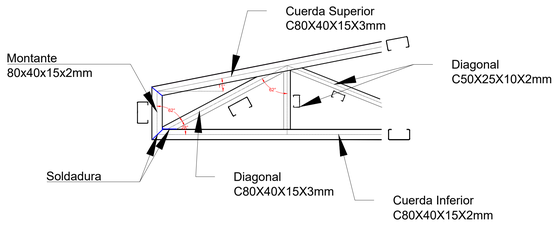
CERCHA TIPO 2
ESCALA 1:50



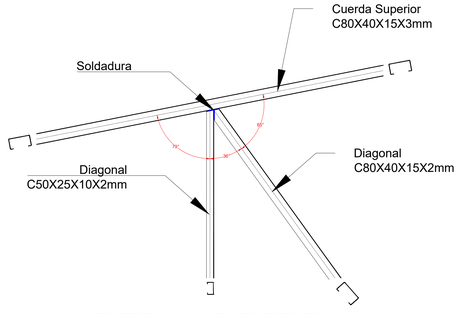
CERCHA TIPO 4
ESCALA 1:50



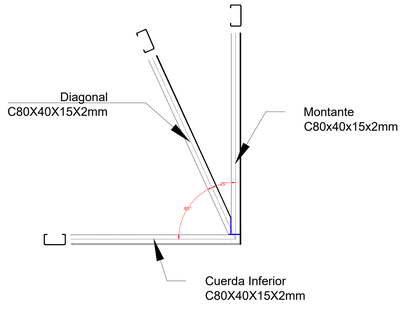
DETALLE 1
ESCALA 1:10



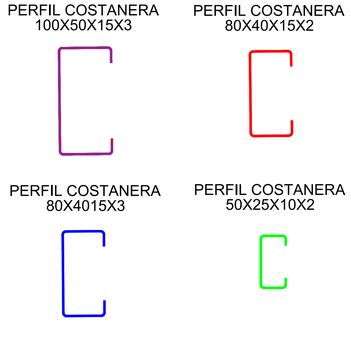
DETALLE 2
ESCALA 1:10



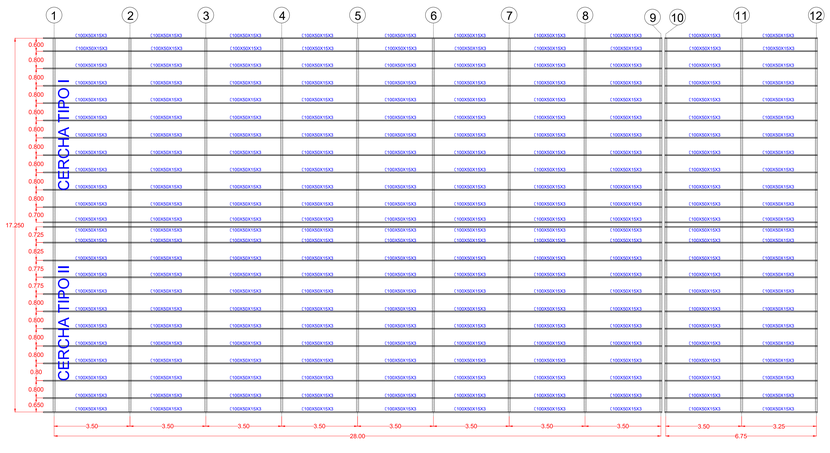
DETALLE 3
ESCALA 1:10



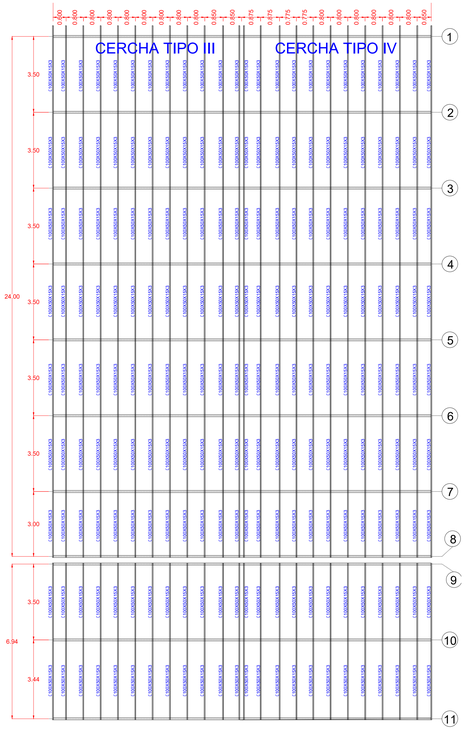
DETALLE PERFIL
ESCALA 1:2



CUBIERTA VISTA EN PLANTA 1
ESCALA 1:75



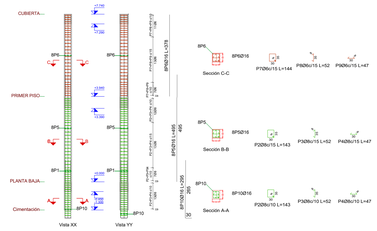
CUBIERTA VISTA EN PLANTA 2
ESCALA 1:75



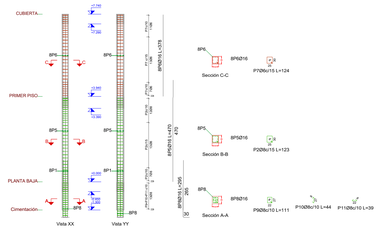
UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO FACULTA DE CIENCIAS Y TECNOLOGIA CARRERA DE INGENIERIA CIVIL	UNIV. JUAN EMANUEL LOPEZ ALARCON	PROYECTO: DISEÑO ESTRUCTURAL COLEGIO 12 DE AGOSTO UBICACION DEL PROYECTO: PRIMERA SECCION PROVINCIA GRAN CHACO	PROPIETARIO: GOBIERNO AUTONOMO MUNICIPAL DE YACUIBA	CARACTER DEL PLANO: CUBIERTA METALICA	ESCALA: INDICADA	N° de LAMINA: 04/19

DESPIECE DE COLUMNAS BLOQUE A ESCALA 1:100

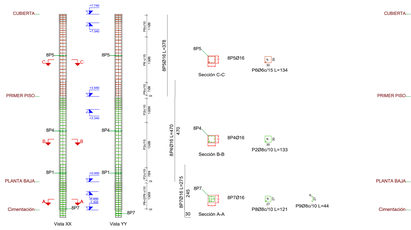
A2=A3=A4=B2=B3=H4



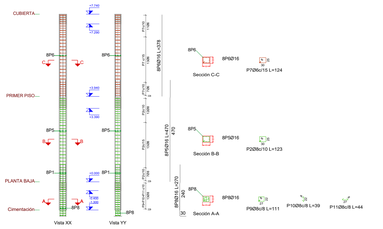
A1=C2=C3=D3=E2=E3=F2=F3=G2=G3=H1



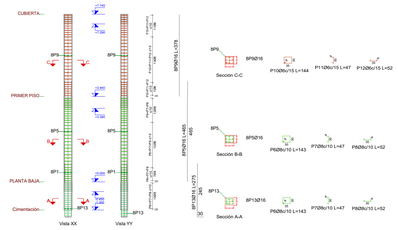
B1=B4=C4=D2=E1=F1=G1=H2=H3



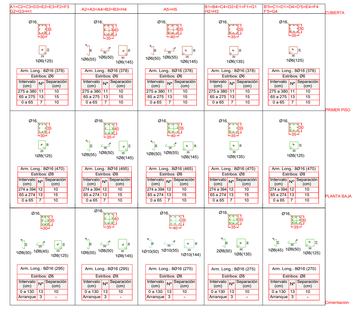
B'5=C1=D1=D4=D'5=E4=F4=F'5=G4



A5=H5

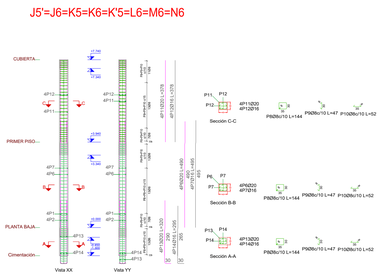


CUADRO DE COLUMNAS BLOQUE A ESCALA 1:75

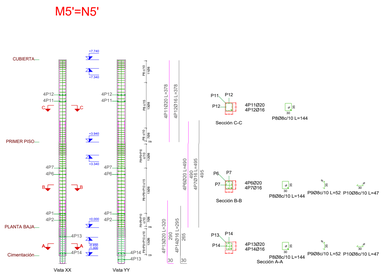


DESPIECE DE COLUMNAS BLOQUE B ESCALA 1:100

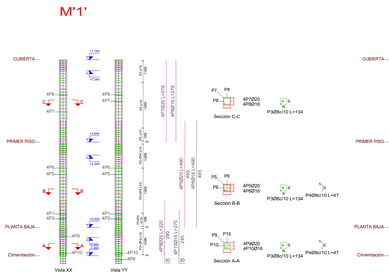
J5'=J6=K5=K6=K'5=L6=M6=N6



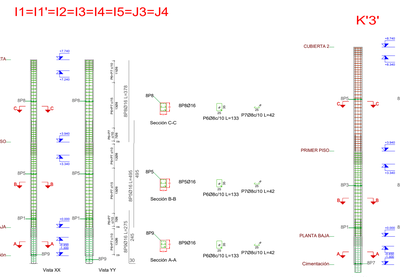
M5'=N5'



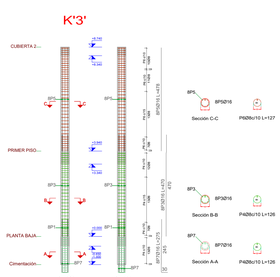
M'1'



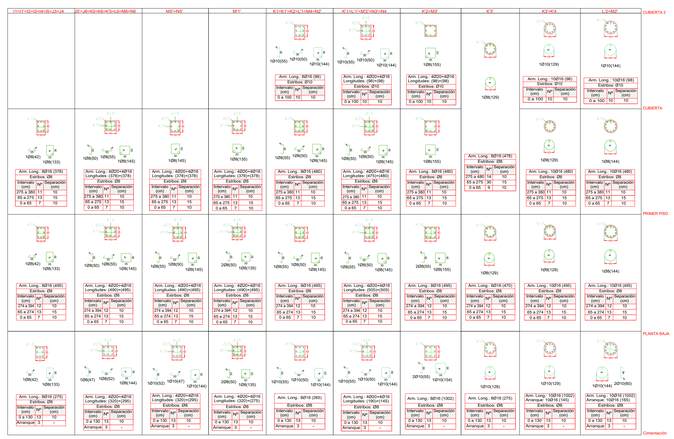
I1=I1'=I2=I3=I4=I5=J3=J4



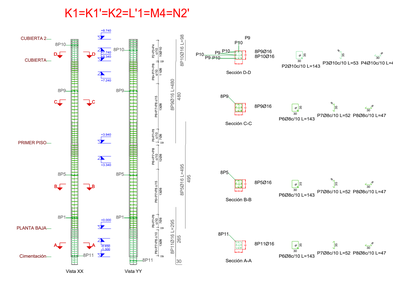
K'3'



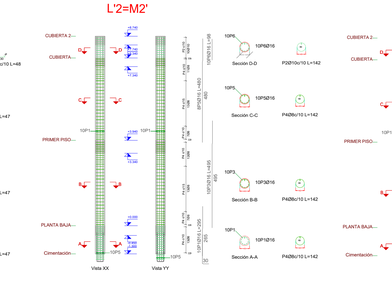
CUADRO DE COLUMNAS BLOQUE B ESCALA 1:75



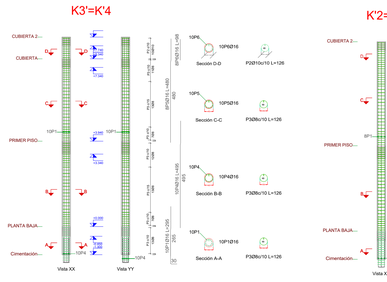
K1=K1'=K2=L'1=M4=N2'



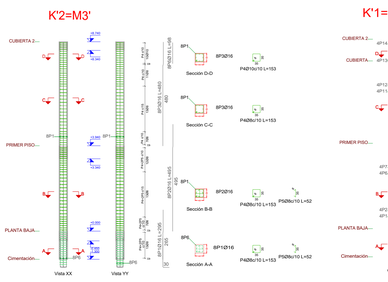
L'2=M2'



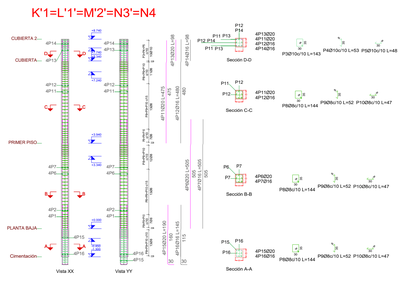
K3'=K'4



K'2=M3'

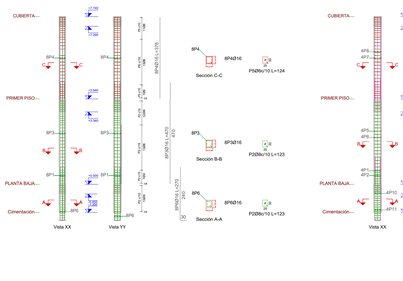


K'1=L'1'=M'2'=N3'=N4

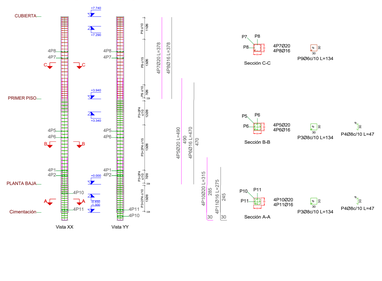


DESPIECE DE COLUMNAS BLOQUE C ESCALA 1:100

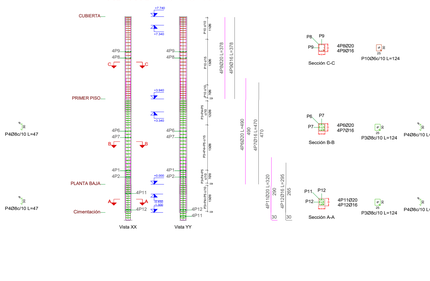
J7=J13=N7=N13



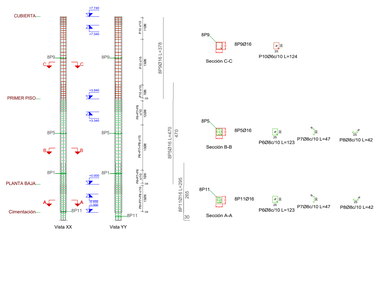
K7=K13=L11=L12=L13=M7=M11=M12=M13



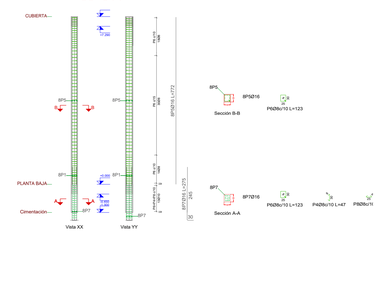
K8=K10=N8=N9=N10



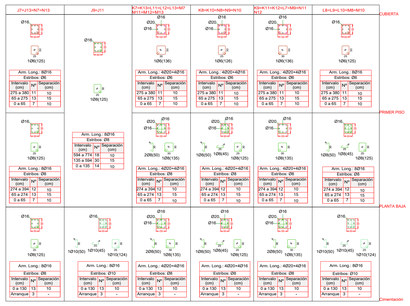
L8=L9=L10=M8=M10



J9=J11



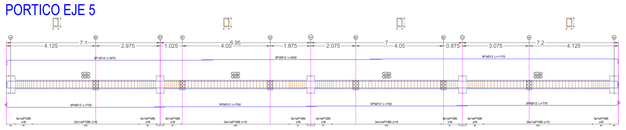
CUADRO DE COLUMNAS BLOQUE C ESCALA 1:75



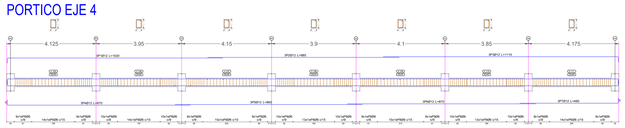
UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO FACULTA DE CIENCIAS Y TECNOLOGIA CARRERA DE INGENIERIA CIVIL	UNIV. JUAN EMANUEL LOPEZ ALARCON	PROYECTO: DISEÑO ESTRUCTURAL COLEGIO 12 DE AGOSTO UBICACION DEL PROYECTO: PRIMERA SECCION PROVINCIA GRAN CHACO
PROPIETARIO: GOBIERNO AUTONOMO MUNICIPAL DE YACUIBA	CARACTER DEL PLANO: DESPIECE DE COLUMNAS	ESCALA: INDICADA
N° de LAMINA: 05/19		

DESPIECE DE VIGAS PLANTA BAJA BLOQUE A

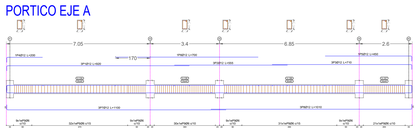
PORTICO EJE 5



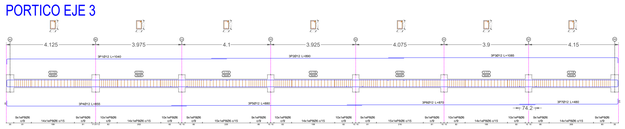
PORTICO EJE 4



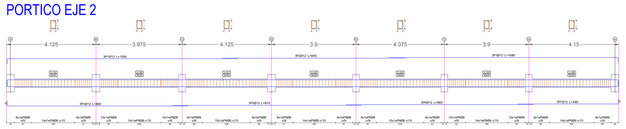
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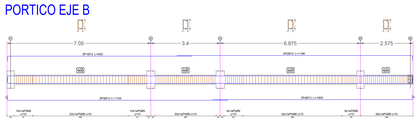
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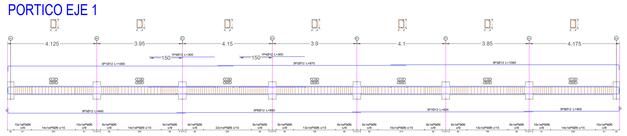
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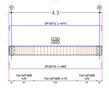
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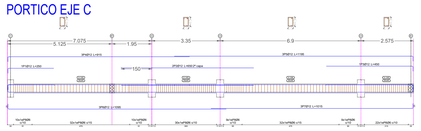
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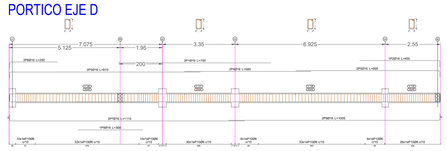
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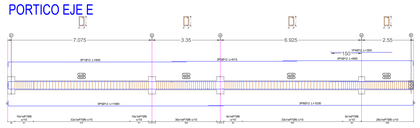
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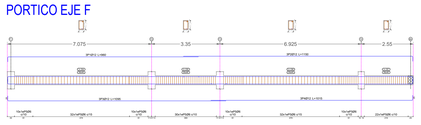
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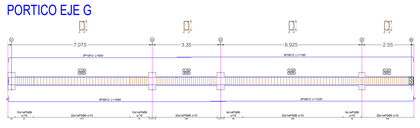
PORTICO EJE E



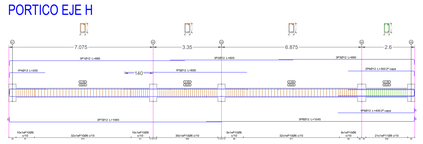
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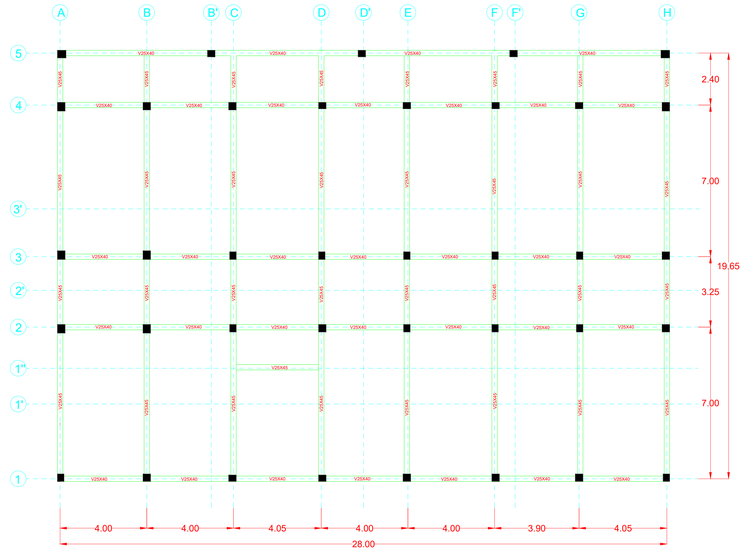
PORTICO EJE G



PORTICO EJE H

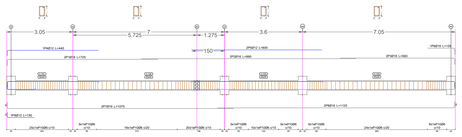


DISPOSICION DE VIGAS BLOQUE A
ESCALA 1:100



DESPIECE DE VIGAS PLANTA BAJA BLOQUE B

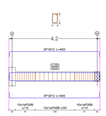
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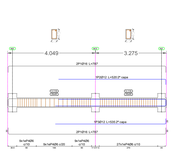
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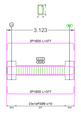
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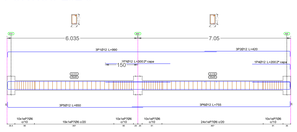
PORTICO EJE 2'



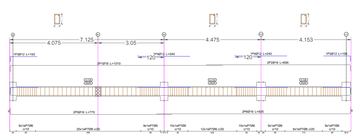
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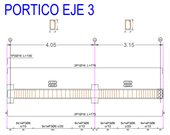
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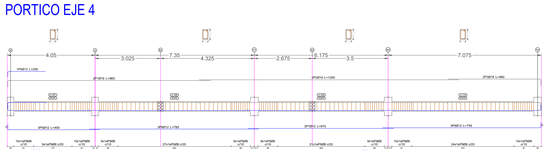
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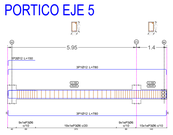
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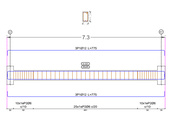
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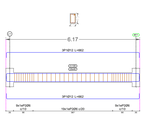
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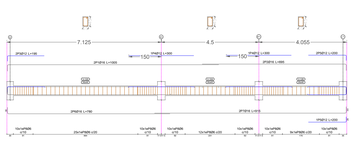
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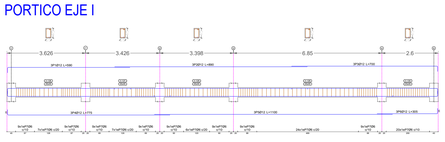
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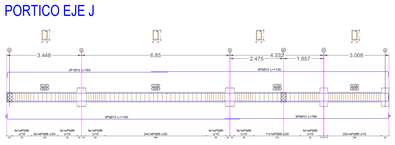
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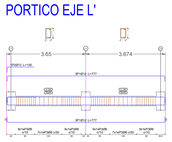
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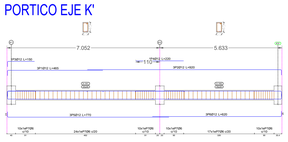
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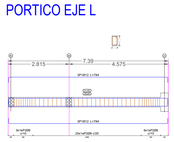
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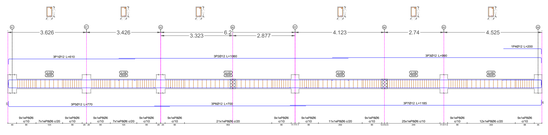
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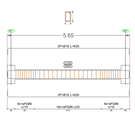
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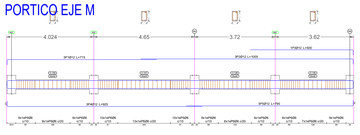
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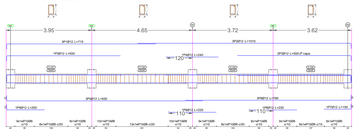
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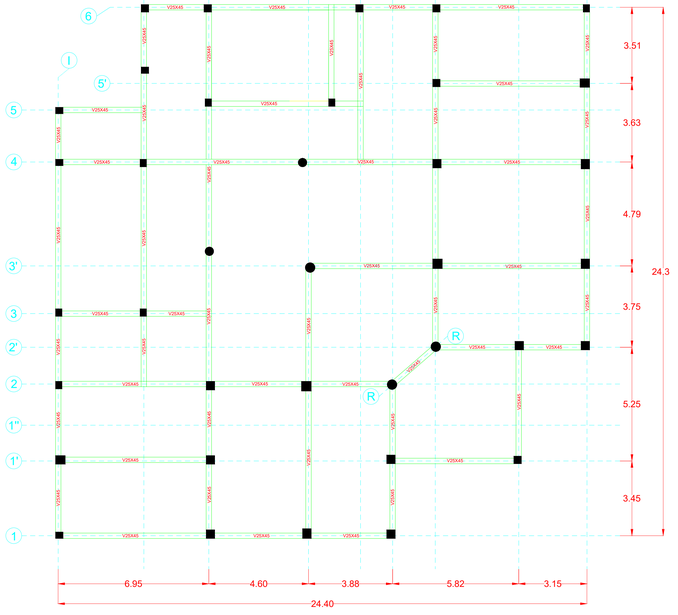
PORTICO EJE M



PORTICO EJE N



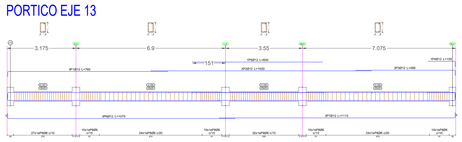
DISPOSICION DE VIGAS BLOQUE B
ESCALA 1:100



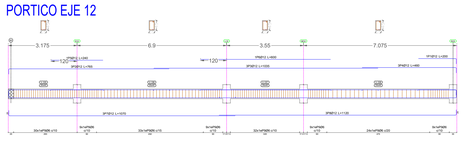
UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO FACULTA DE CIENCIAS Y TECNOLOGIA CARRERA DE INGENIERIA CIVIL	UNIV. JUAN EMANUEL LOPEZ ALARCON	PROYECTO: DISEÑO ESTRUCTURAL COLEGIO 12 DE AGOSTO UBICACION DEL PROYECTO: PRIMERA SECCION PROVINCIA GRAN CHACO	PROPIETARIO: GOBIERNO AUTONOMO MUNICIPAL DE YACUIBA	CARACTER DEL PLANO: DISPOSICION Y DESPIECE DE VIGAS PLANTA BAJA BLOQUE A,B	ESCALA: 1:100	N° de LAMINA: 06/19

DESPIECE DE VIGAS PLANTA BAJA BLOQUE C

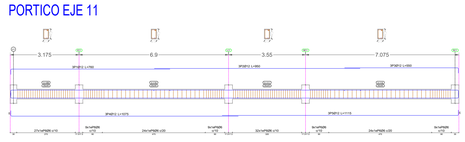
PORTICO EJE 13



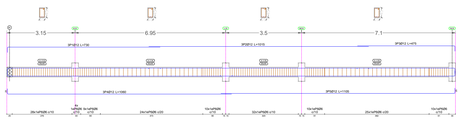
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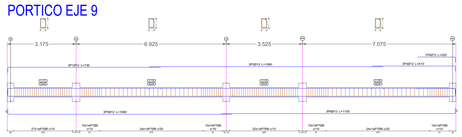
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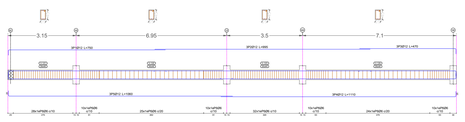
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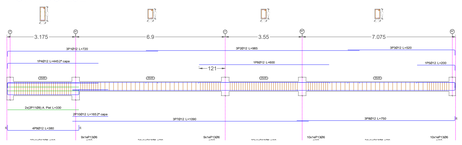
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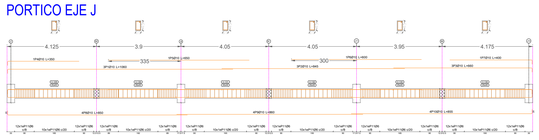
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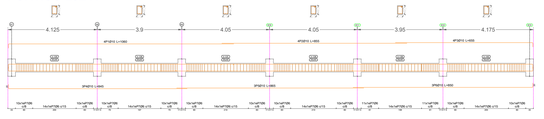
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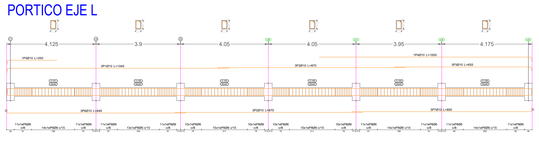
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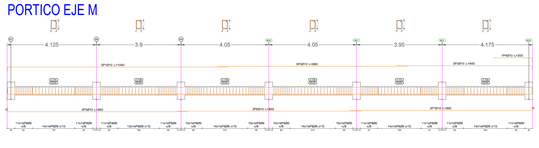
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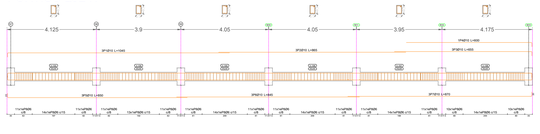
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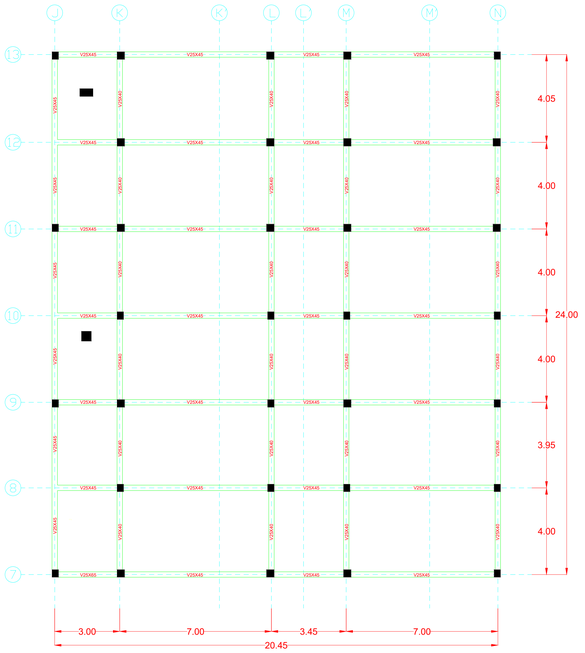
PORTICO EJE M



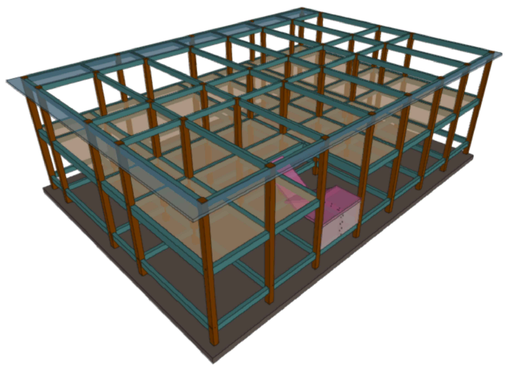
PORTICO EJE N



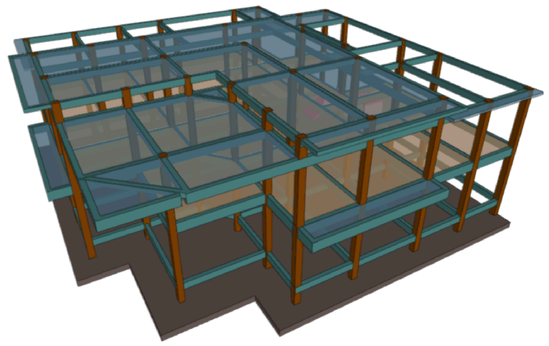
DISPOSICION DE VIGAS BLOQUE C
ESCALA 1:100



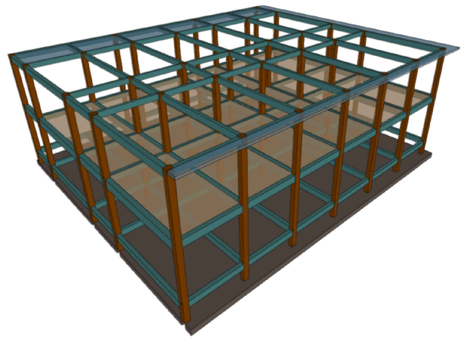
VISTA 3D BLOQUE A



VISTA 3D BLOQUE B



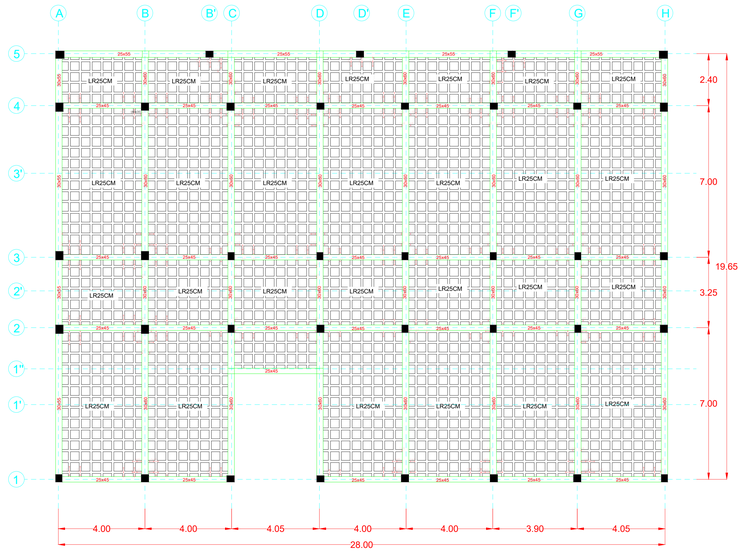
VISTA 3D BLOQUE C



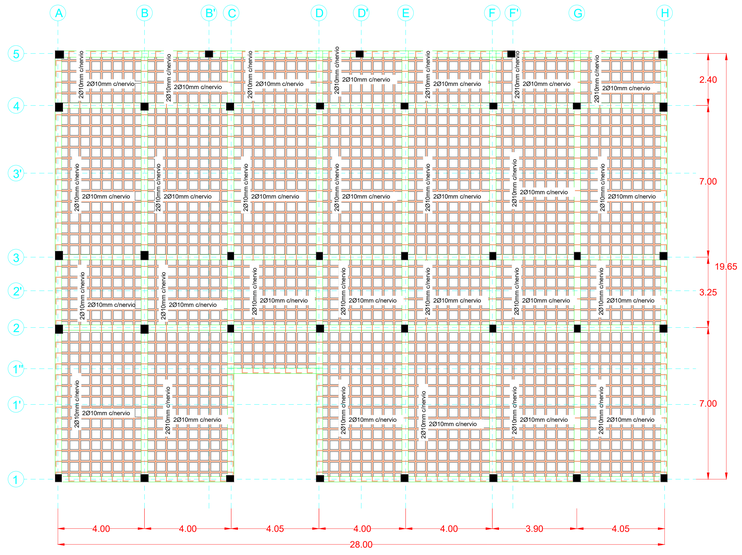
UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO FACULTA DE CIENCIAS Y TECNOLOGIA CARRERA DE INGENIERIA CIVIL	UNIV. JUAN EMANUEL LOPEZ ALARCON	PROYECTO: DISEÑO ESTRUCTURAL COLEGIO 12 DE AGOSTO UBICACION DEL PROYECTO: PRIMERA SECCION PROVINCIA GRAN CHACO	PROPIETARIO: GOBIERNO AUTONOMO MUNICIPAL DE YACUIBA	CARACTER DEL PLANO: DISPOSICION Y DESPIECE DE VIGAS PLANTA BAJA BLOQUE C	ESCALA: 1:100	N° de LAMINA: 07/19

PRIMER PISO BLOQUE A

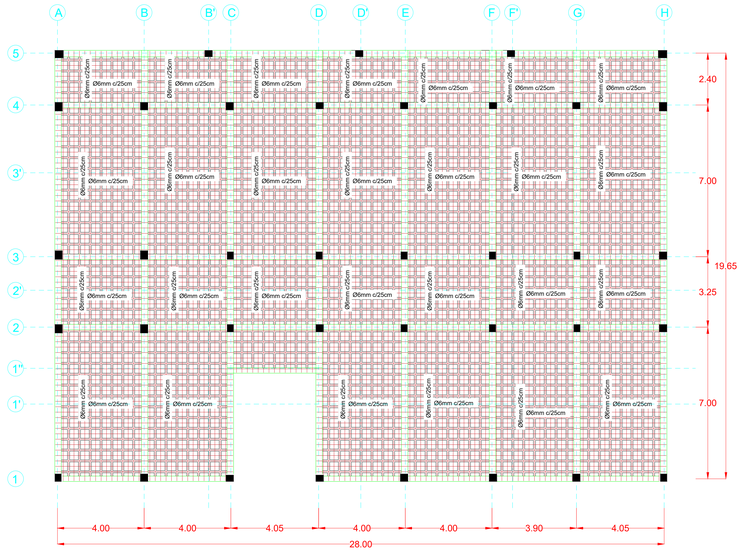
DISPOSICION DE VIGAS ABACOS Y CASETONES BLOQUE A
ESCALA 1:100



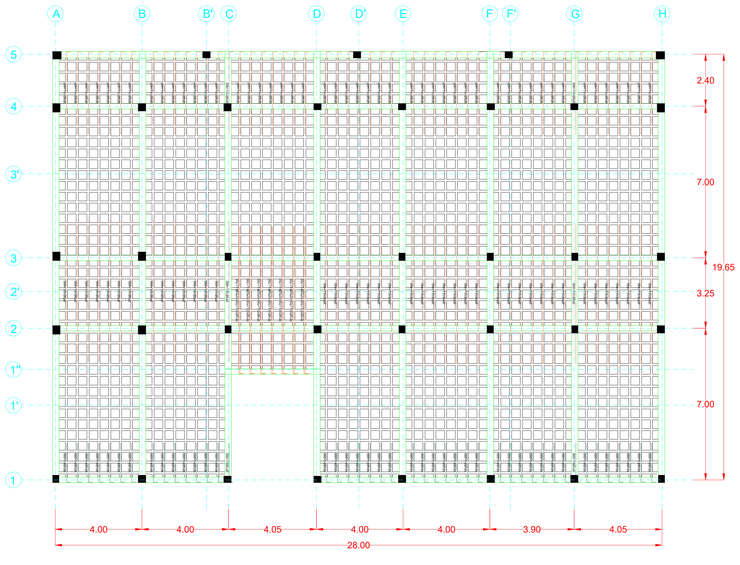
DISPOSICION DE ARMADURA INFERIOR BLOQUE A
ESCALA 1:100



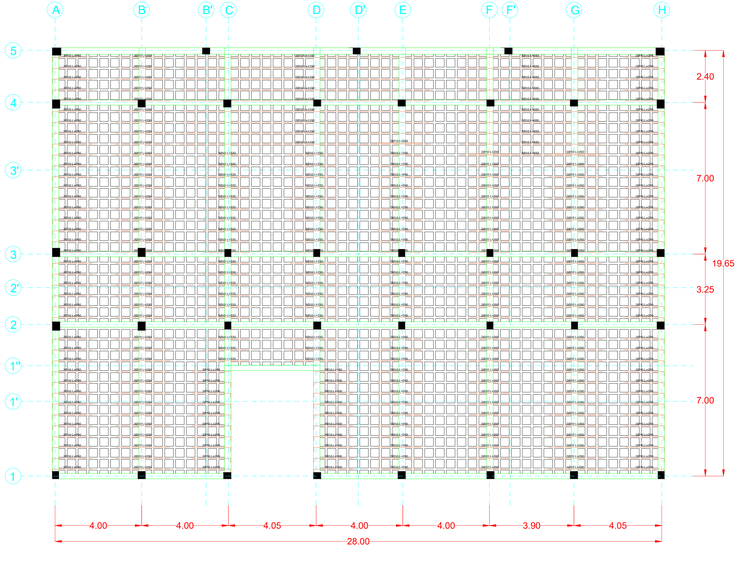
DISPOSICION DE MALLA DE RETRACCION BLOQUE A
ESCALA 1:100



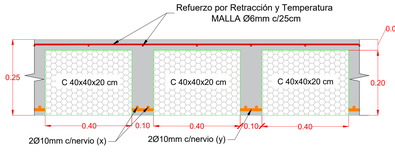
DISPOSICION DE ARMADURA TRANSVERSAL SUPERIOR BLOQUE A
ESCALA 1:100



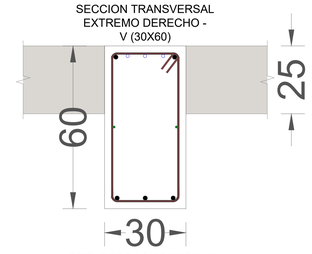
DISPOSICION DE ARMADURA LONGITUDINAL SUPERIOR BLOQUE A
ESCALA 1:100



DETALLE LOSA RETICULAR (LR 25cm)
ESCALA 1:10

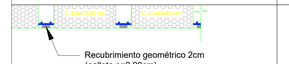


SECCION TRANSVERSAL
EXTREMO DERECHO -
V (30X60)



REFUERZO LONGITUDINAL
Superior: 2Ø16+3Ø12
Inferior: 3Ø16
REFUERZO TRANSVERSAL
EØ6mm c/10cm (Lo=120cm)
EØ6mm c/20cm (Vano)

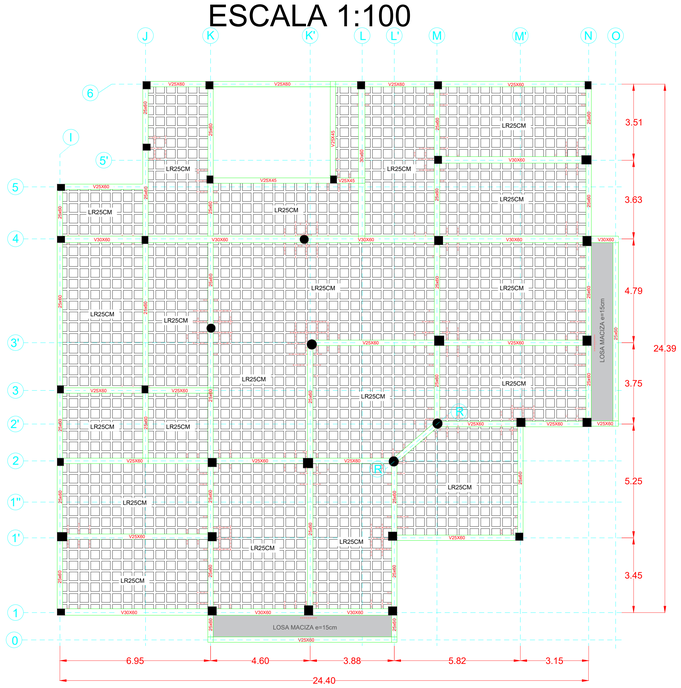
RECUBRIMIENTO GEOMÉTRICO EN ELEMENTOS ESTRUCTURALES

	Losas de cimentacion.
	Vigas, Columnas.
	Losas Reticulares, Losas Macizas, Escaleras.

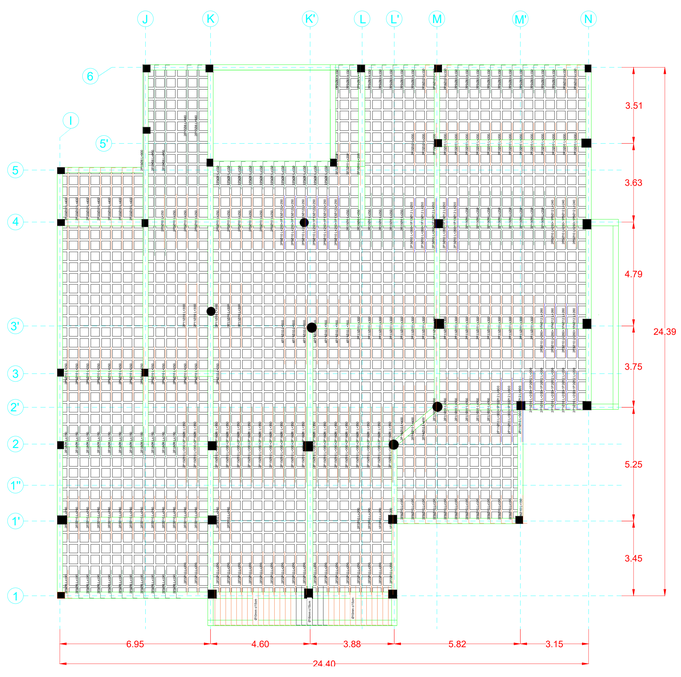
UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO FACULTA DE CIENCIAS Y TECNOLOGIA CARRERA DE INGENIERIA CIVIL	UNIV. JUAN EMANUEL LOPEZ ALARCON	PROYECTO: DISEÑO ESTRUCTURAL COLEGIO 12 DE AGOSTO UBICACION DEL PROYECTO: PRIMERA SECCION PROVINCIA GRAN CHACO	PROPIETARIO: GOBIERNO AUTONOMO MUNICIPAL DE YACUIBA	CARACTER DEL PLANO: DISPOSICION DE VIGAS Y ARMADURAS EN LOSA RETICULAR BLOQUE A	ESCALA: INDICADA	N° de LAMINA: 08/19

PRIMER PISO BLOQUE B

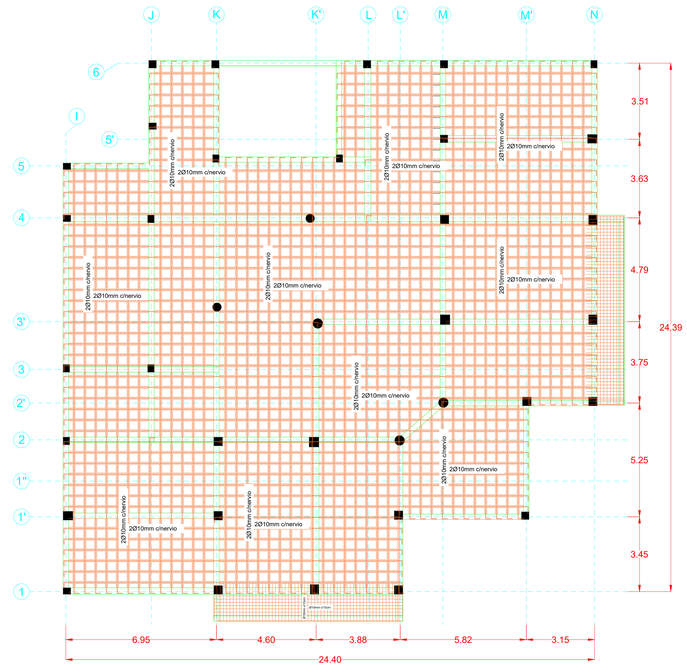
DISPOSICION DE VIGAS ABACOS Y CASETONES BLOQUE B
ESCALA 1:100



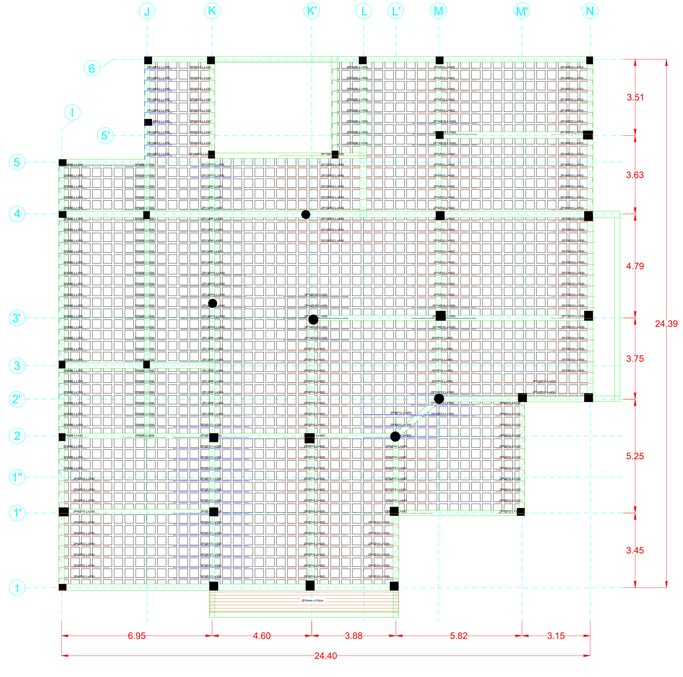
DISPOSICION DE ARMADURA TRANSVERSAL SUPERIOR BLOQUE B
ESCALA 1:100



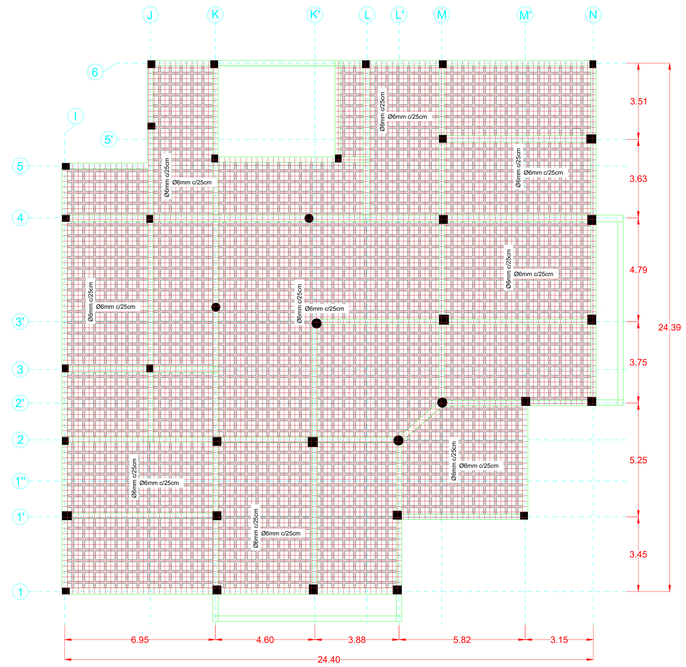
DISPOSICION DE ARMADURA INFERIOR BLOQUE B
ESCALA 1:100



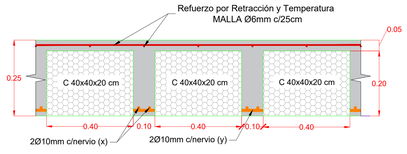
DISPOSICION DE ARMADURA LONGITUDINAL SUPERIOR BLOQUE B
ESCALA 1:100



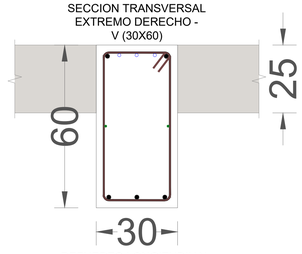
DISPOSICION DE MALLA DE RETRACCION BLOQUE B
ESCALA 1:100



DETALLE LOSA RETICULAR (LR 25cm)
ESCALA 1:10

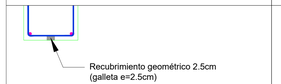
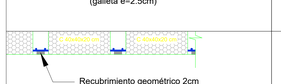


SECCION TRANSVERSAL
EXTREMO DERECHO -
V (30X60)



REFUERZO LONGITUDINAL
Superior: 2Ø16+3Ø12
Inferior: 3Ø16
REFUERZO TRANSVERSAL
EØ6mm c/10cm (Lo=120cm)
EØ6mm c/20cm (Vano)

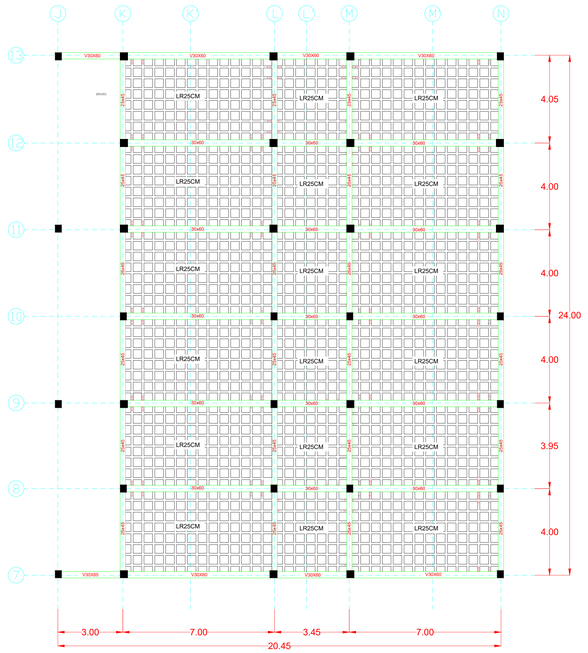
RECUBRIMIENTO GEOMÉTRICO EN ELEMENTOS ESTRUCTURALES

	Losas de cimentacion.
	Vigas, Columnas.
	Losas Reticulares, Losas Macizas, Escaleras.

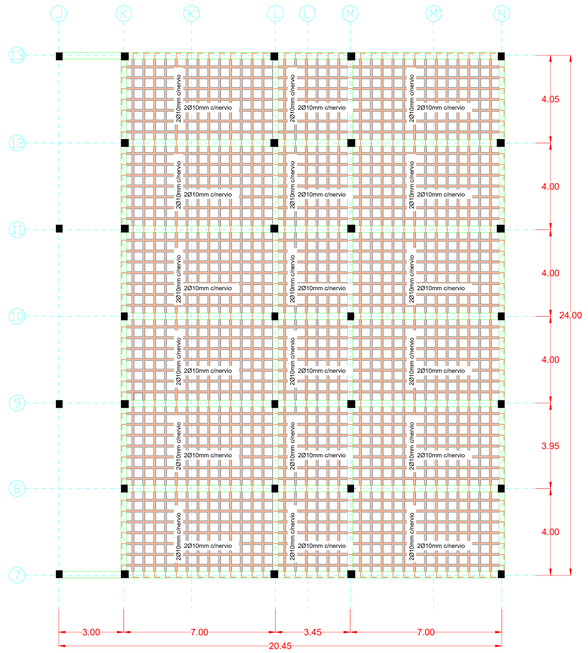
UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO FACULTA DE CIENCIAS Y TECNOLOGIA CARRERA DE INGENIERIA CIVIL	UNIV. JUAN EMANUEL LOPEZ ALARCON	PROYECTO: DISEÑO ESTRUCTURAL COLEGIO 12 DE AGOSTO UBICACION DEL PROYECTO: PRIMERA SECCION PROVINCIA GRAN CHACO	PROPIETARIO: GOBIERNO AUTONOMO MUNICIPAL DE YACUIBA	CARACTER DEL PLANO: DISPOSICION DE VIGAS Y ARMADURAS EN LOSA RETICULAR BLOQUE B	ESCALA: INDICADA	N° de LAMINA: 09/19

PRIMER PISO BLOQUE C

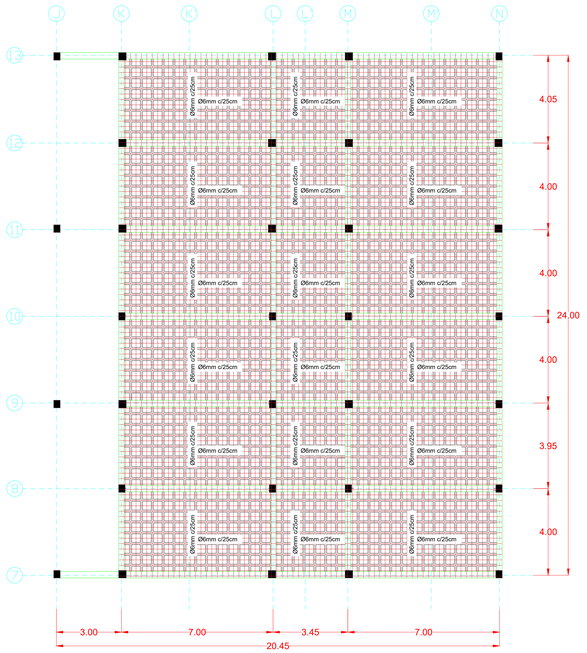
DISPOSICION DE VIGAS ABACOS Y CASETONES BLOQUE C
ESCALA 1:100



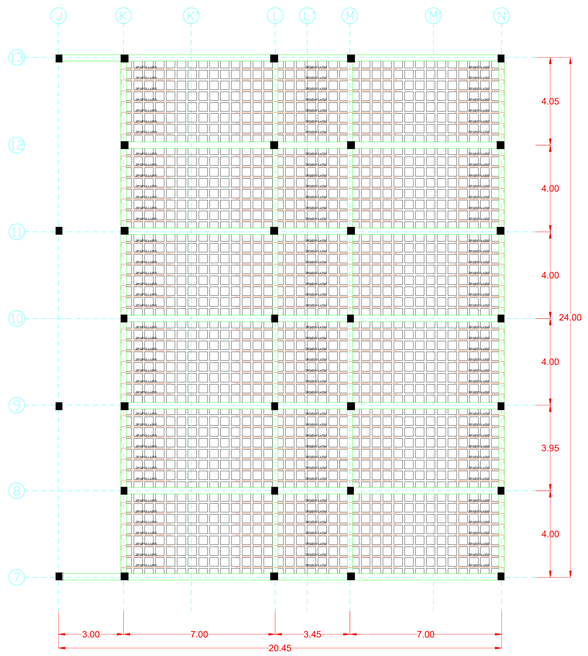
DISPOSICION DE ARMADURA INFERIOR BLOQUE C
ESCALA 1:100



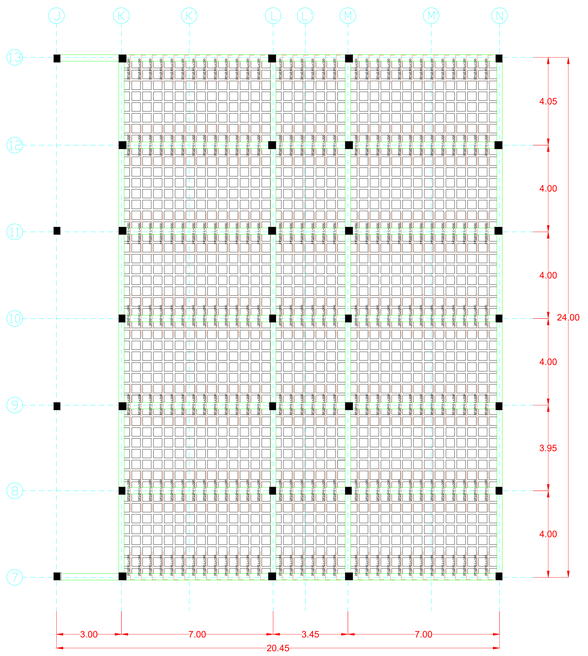
DISPOSICION DE MALLA DE RETRACCION BLOQUE C
ESCALA 1:100



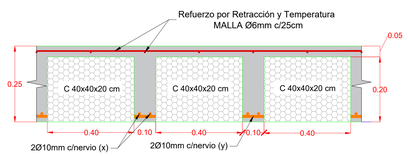
DISPOSICION DE ARMADURA LONGITUDINAL SUPERIOR BLOQUE C
ESCALA 1:100

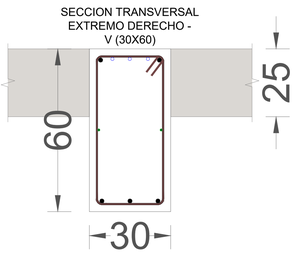


DISPOSICION DE ARMADURA TRANSVERSAL SUPERIOR BLOQUE C
ESCALA 1:100



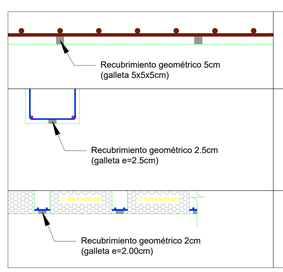
DETALLE LOSA RETICULAR (LR 25cm)
ESCALA 1:10





REFUERZO LONGITUDINAL
Superior: 2Ø16+3Ø12
Inferior: 3Ø16
REFUERZO TRANSVERSAL
EØ6mm c/10cm (Lo=120cm)
EØ6mm c/20cm (Vano)

RECUBRIMIENTO GEOMÉTRICO EN ELEMENTOS ESTRUCTURALES

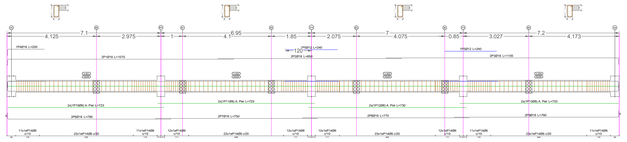


	Losas de cimentacion.
	Vigas, Columnas.
	Losas Reticulares, Losas Macizas, Escaleras.

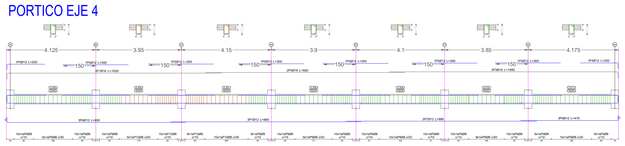
UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO FACULTA DE CIENCIAS Y TECNOLOGIA CARRERA DE INGENIERIA CIVIL	UNIV. JUAN EMANUEL LOPEZ ALARCON	PROYECTO: DISEÑO ESTRUCTURAL COLEGIO 12 DE AGOSTO UBICACION DEL PROYECTO: PRIMERA SECCION PROVINCIA GRAN CHACO	PROPIETARIO: GOBIERNO AUTONOMO MUNICIPAL DE YACUIBA	CARACTER DEL PLANO: DISPOSICION DE VIGAS Y ARMADURAS EN LOSA RETICULAR BLOQUE C	ESCALA: INDICADA	N° de LAMINA: 10/19

DESPIECE DE VIGAS PRIMER PISO BLOQUE A

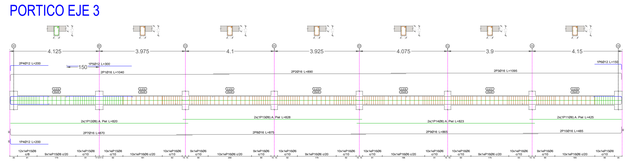
PORTICO EJE 5



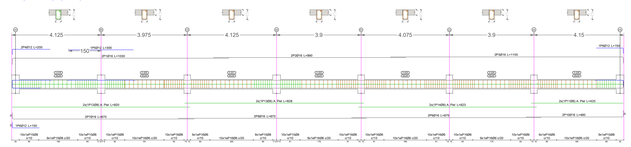
PORTICO EJE 4



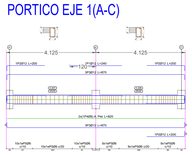
PORTICO EJE 3



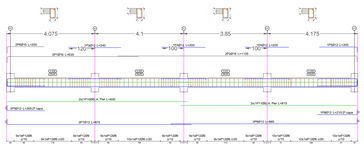
PORTICO EJE 2



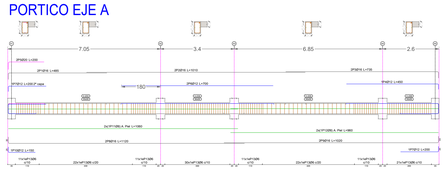
PORTICO EJE 1(A-C)



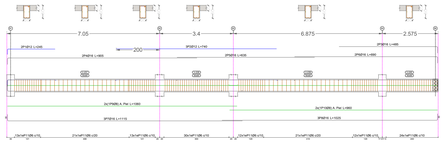
PORTICO EJE 1(D-H)



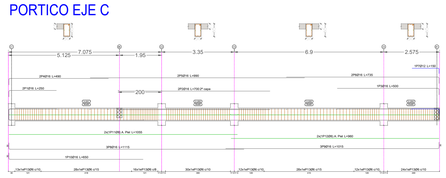
PORTICO EJE A



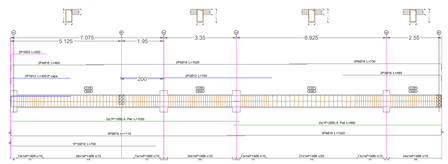
PORTICO EJE B



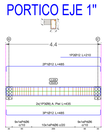
PORTICO EJE C



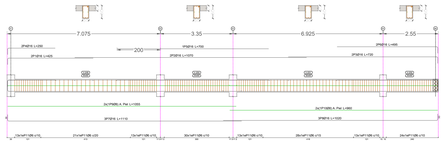
PORTICO EJE D



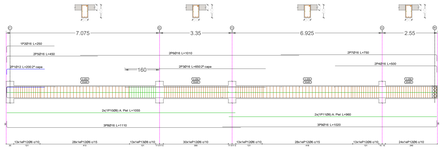
PORTICO EJE 1"



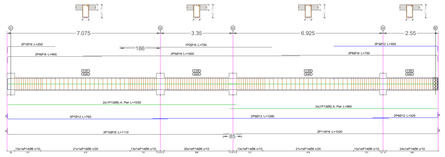
PORTICO EJE E



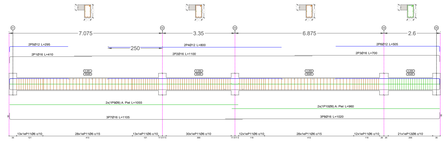
PORTICO EJE F



PORTICO EJE G

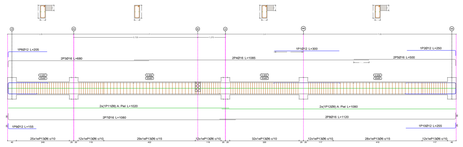


PORTICO EJE H

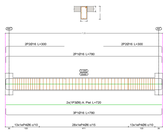


DESPIECE DE VIGAS PRIMER PISO BLOQUE B

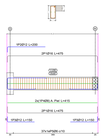
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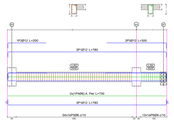
PORTICO EJE 5'



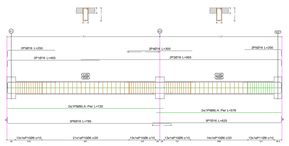
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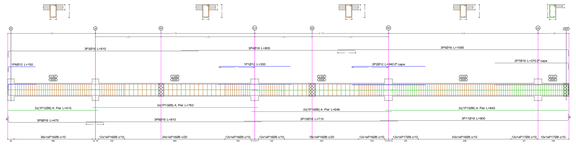
PORTICO EJE 5



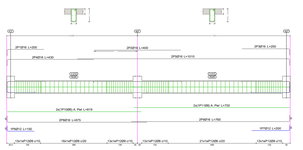
PORTICO EJE K'



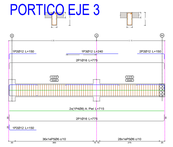
PORTICO EJE 4



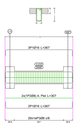
PORTICO EJE 3'



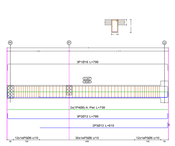
PORTICO EJE 3



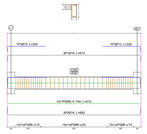
PORTICO EJE R



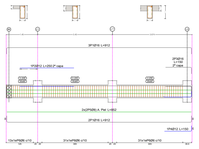
PORTICO EJE L



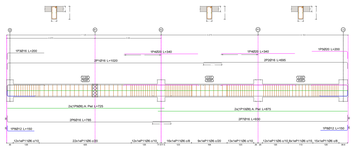
PORTICO EJE 1'



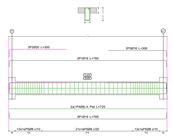
PORTICO EJE L'



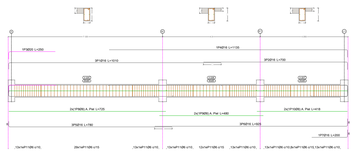
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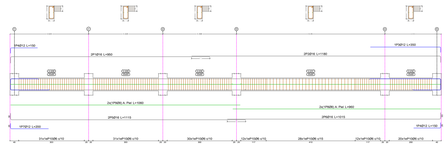
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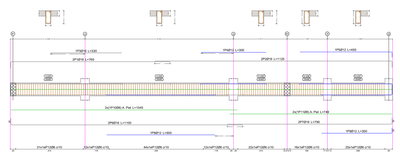
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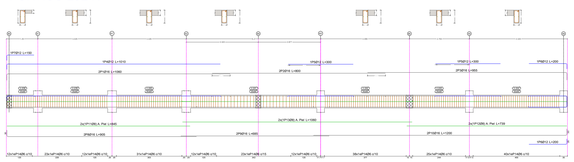
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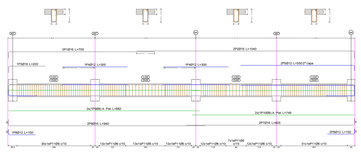
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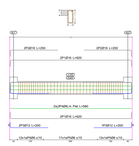
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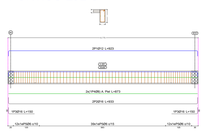
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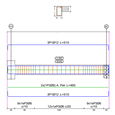
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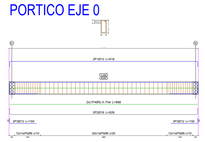
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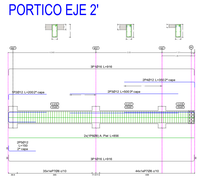
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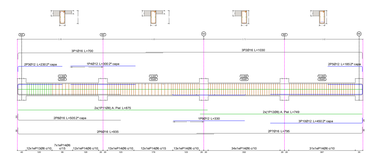
PORTICO EJE 0



PORTICO EJE 2'



PORTICO EJE N



DESPIECE DE VIGAS PRIMER PISO BLOQUE C

PORTICO EJE 13

PORTICO EJE 12

PORTICO EJE 11

PORTICO EJE 10

PORTICO EJE 9

PORTICO EJE 8

PORTICO EJE 7

PORTICO EJE K

PORTICO EJE L

PORTICO EJE M

PORTICO EJE N

UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO FACULTA DE CIENCIAS Y TECNOLOGIA CARRERA DE INGENIERIA CIVIL	UNIV. JUAN EMANUEL LOPEZ ALARCON	PROYECTO: DISEÑO ESTRUCTURAL COLEGIO 12 DE AGOSTO UBICACION DEL PROYECTO: PRIMERA SECCION PROVINCIA GRAN CHACO	PROPIETARIO: GOBIERNO AUTONOMO MUNICIPAL DE YACUIBA	CARACTER DEL PLANO: DESPIECE DE VIGAS BLOQUE A,B,C	ESCALA: 1:100	N° de LAMINA: 11/19