

AVENIDA ANTONIO JOSÉ DE SUCRE, KM 1 1/2; RIOBAMBA

HERNÁN COLOMA
Ingeniero Civil

UNIVERSIDAD NACIONAL DE CHIMBORAZO

PROPIETARIO:

UNIVERSIDAD NACIONAL DE CHIMBORAZO

PLANOS
ESTRUTURALES:

DATOS HERNÁN COLOMA
REG SENESCYT 6201133640 C.I.1724294580

CONTENIDO:
PLANOS ESTRUCTURAL
EMBEDIDOS MUROS DETALLES

HOJA

[11]

FECHA:
Septiembre 2023

ESCALA:
1:20

EST 14

PLANOS ESTRUCTURALES EDIFICIO DE LABORA-
TORIOS DE LA FACULTAD DE CIENCIAS POLÍTICAS

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NÚMERO DE PREDIO 60103006001056000000000

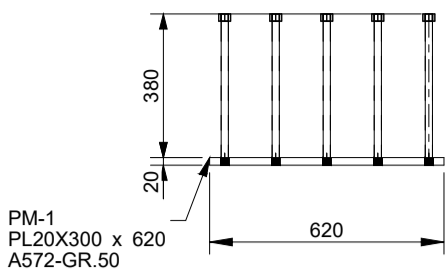
AVALADO:

Ing. Pablo Flores
DIRECTOR DEL
PROYECTO

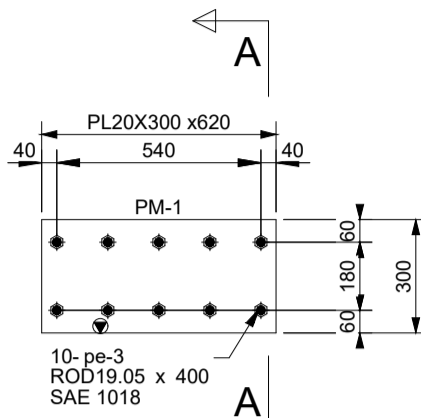
Arq. Daniela Heredia
FISCALIZADOR DEL
PROYECTO

Ing. Oscar Paredes
ADMINISTRADOR DEL
PROYECTO

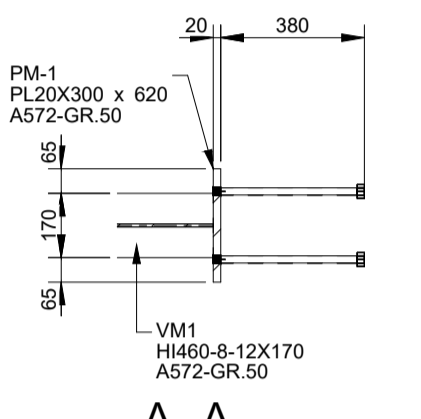
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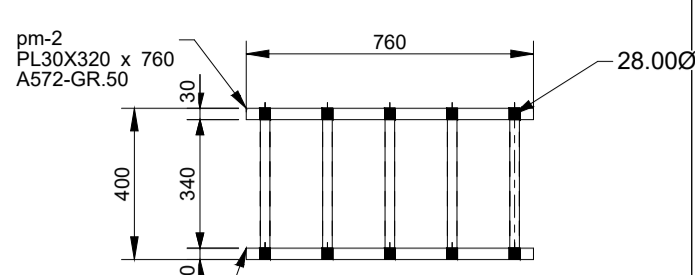
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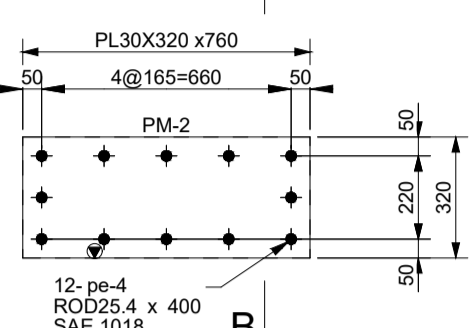
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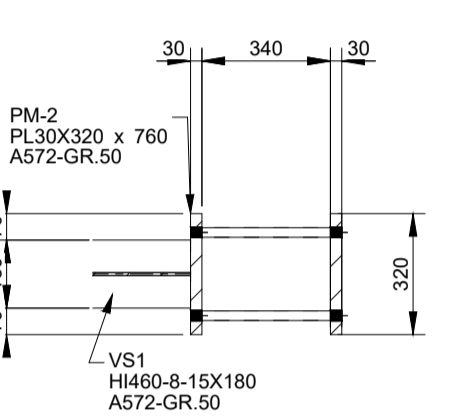
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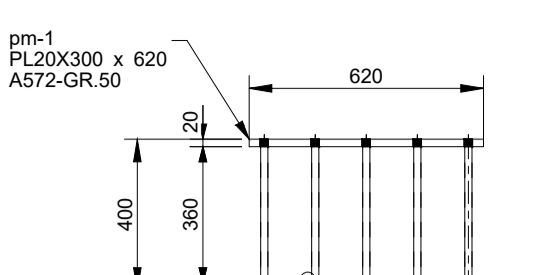
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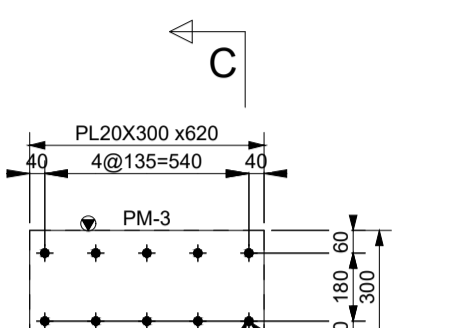
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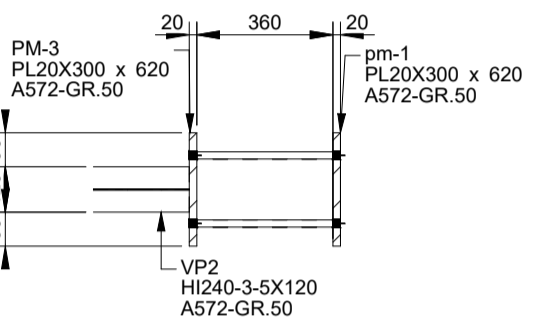
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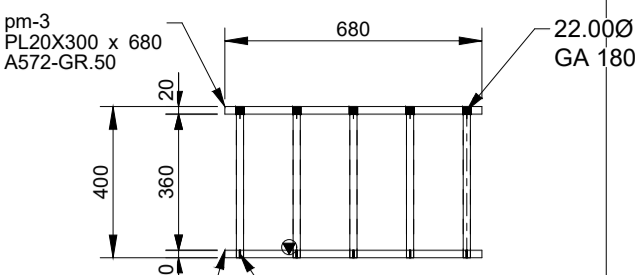
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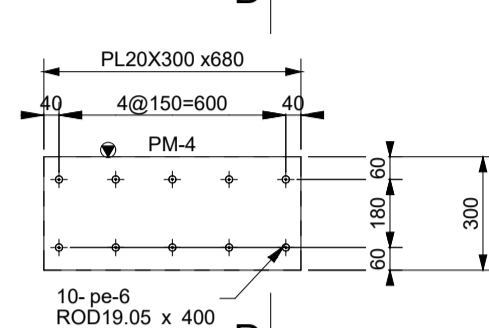
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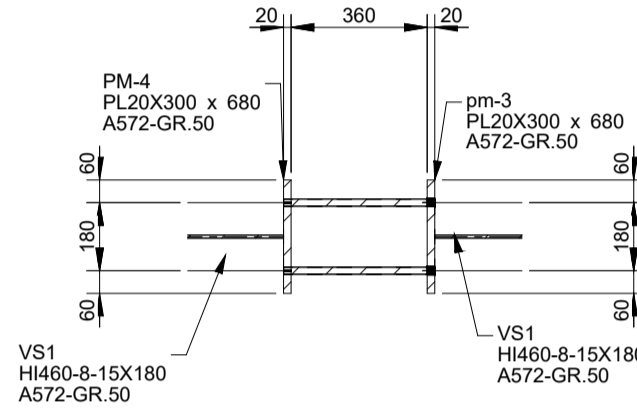
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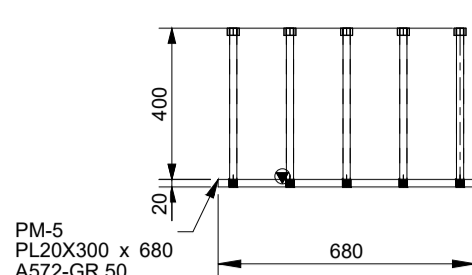
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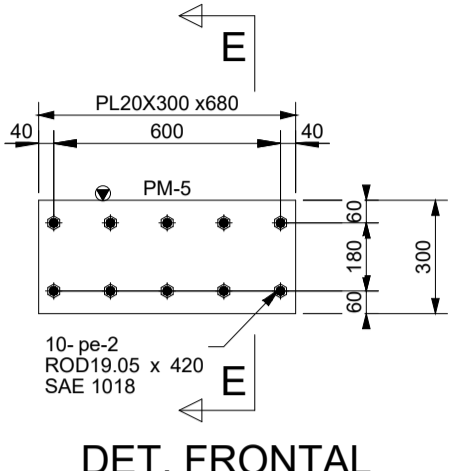
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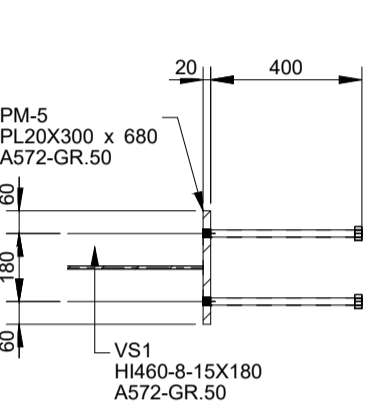
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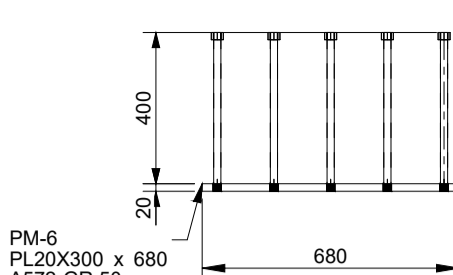
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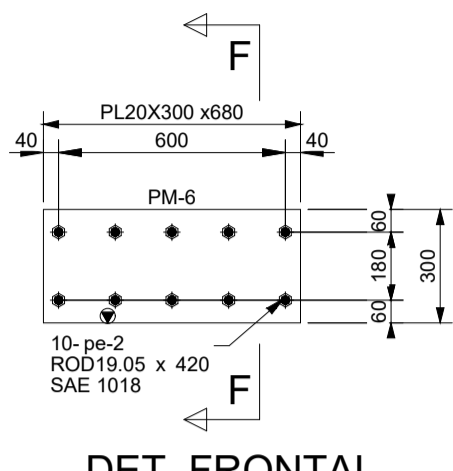
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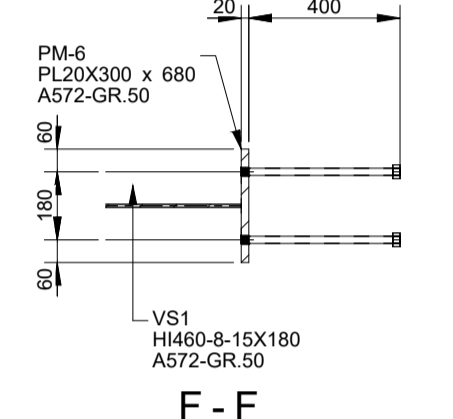
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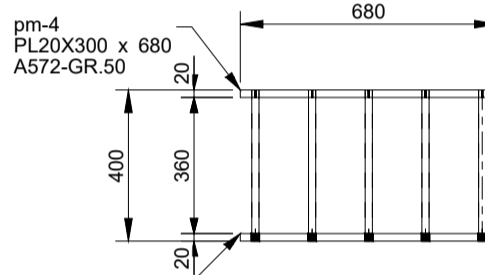
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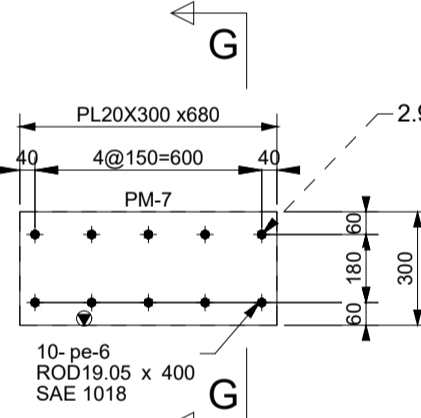
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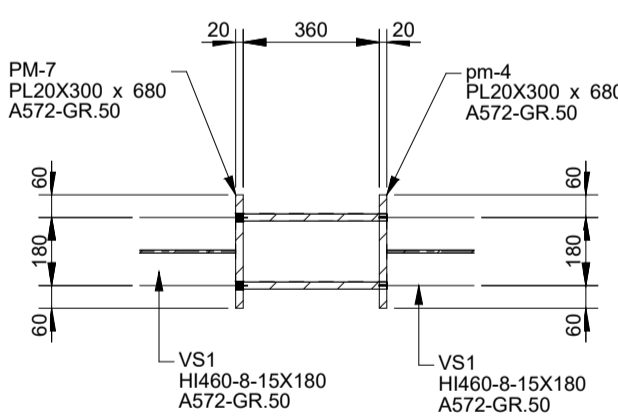
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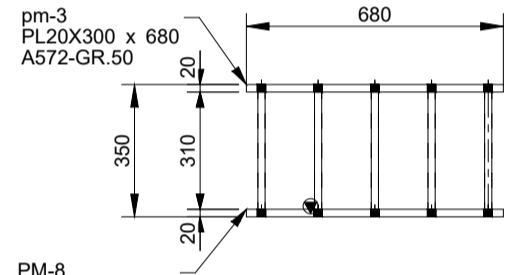
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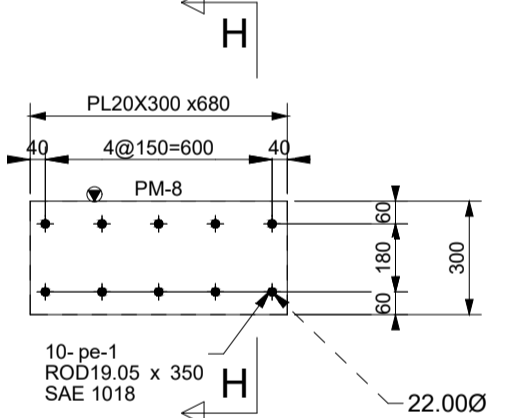
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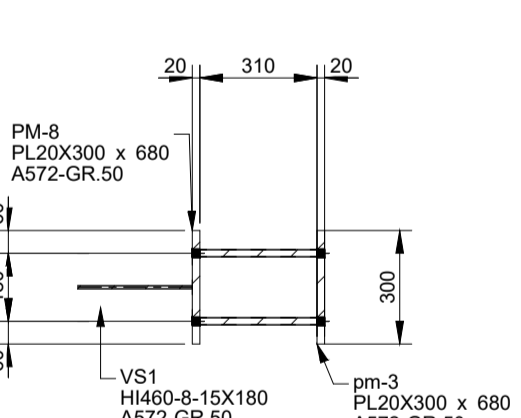
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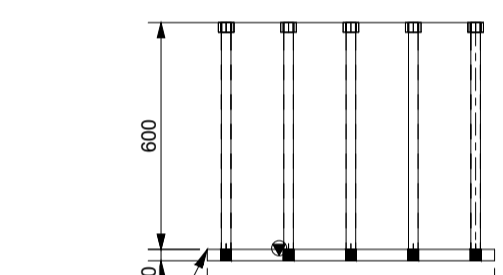
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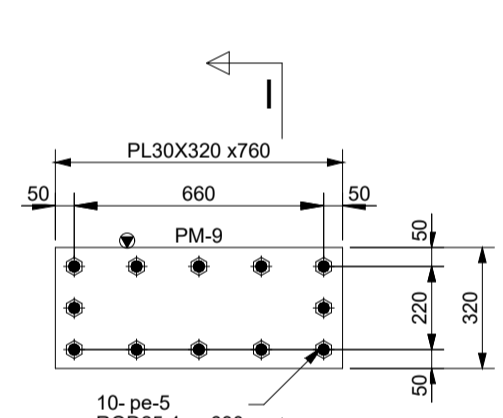
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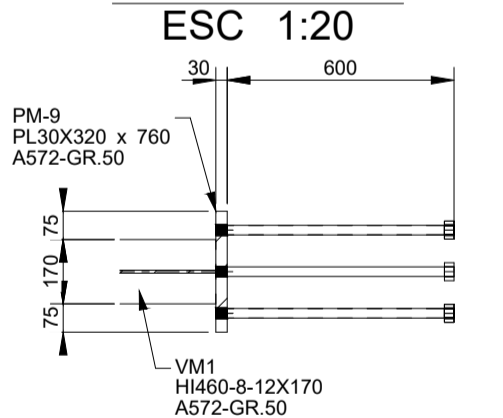
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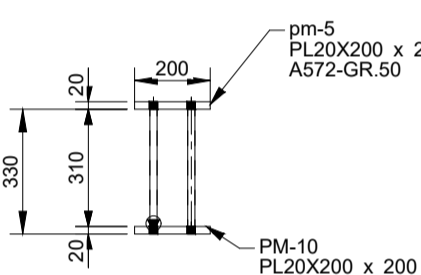
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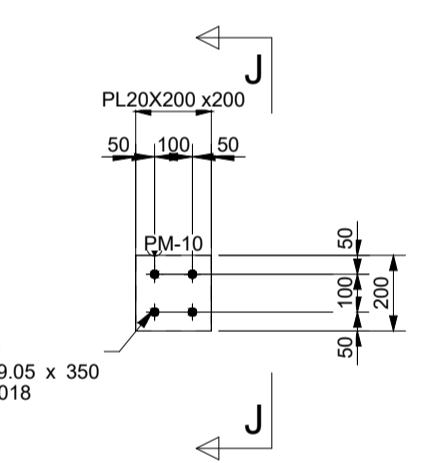
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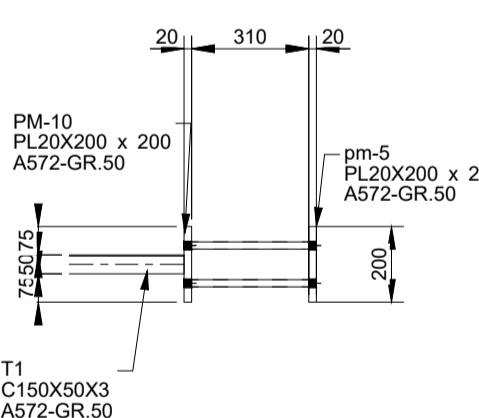
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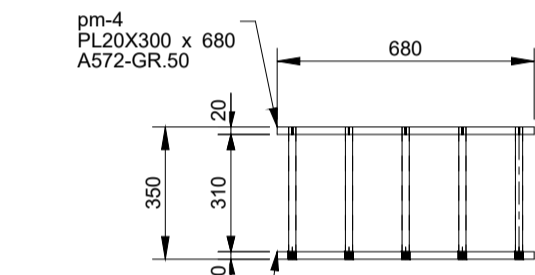
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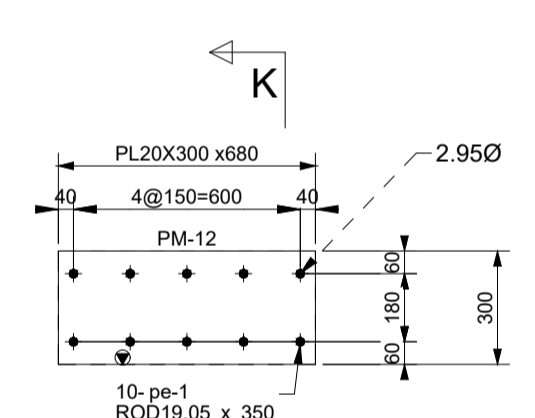
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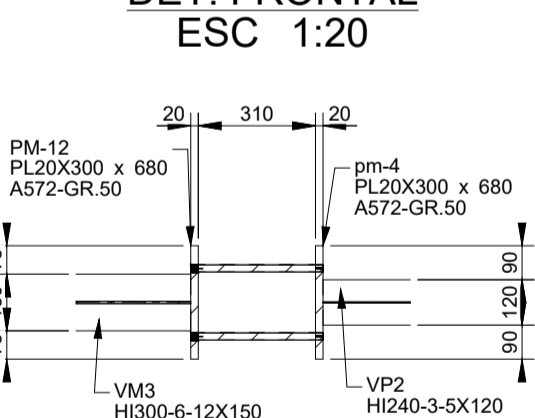
J - J
ESC 1:20



DET. SUPERIOR
ESC 1:20



DET. FRONTAL
ESC 1:20



K - K
ESC 1:20

TABLA DE SECCIONES DE MATERIALES

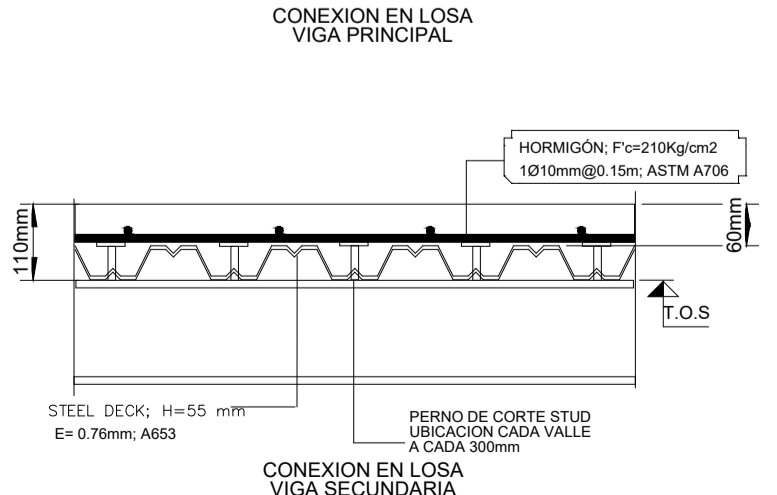
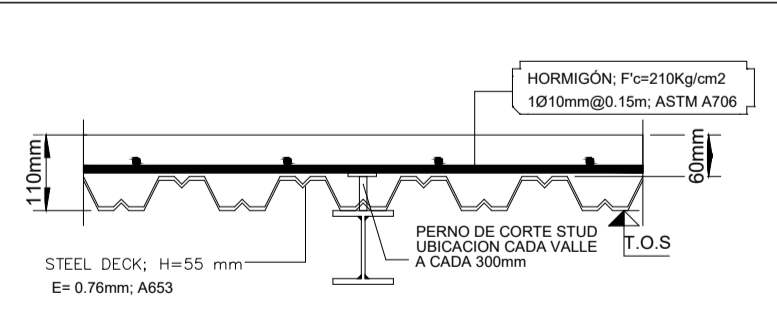
SECCIONES TUBULARES						
MARCA	SECCION	MATERIAL	PESO H(mm) x kg/m	H (mm)	B (mm)	tf (mm)
CL1	H400-12-10X350	A572-GR.50	400 X 125.54	400	350	12.50
CL2	P125X125X5	A572-GR.50	125 X 18.84	125	125	5.00

SECCIONES TIPO "T"						
MARCA	SECCION	MATERIAL	PESO H(mm) x kg/m	H (mm)	B (mm)	tf (mm)
VM1	H460-8-12X170	A572-GR.50	460 X 59.41	460	170	12.20
VM3	H300-4-12X150	A572-GR.50	300 X 41.26	300	150	12.00
VP2	H240-3-5X120	A572-GR.50	240 X 14.84	240	120	5.00
VS2	H460-8-15X200	A572-GR.50	460 X 74.10	460	200	15.00

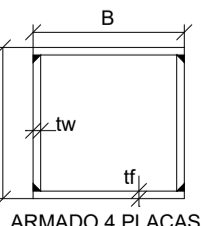
SECCIONES TIPO "G" & SECCIONES TIPO "C"						
MARCA	SECCION	MATERIAL	PESO H(mm) x kg/m	H (mm)	B (mm)	tf (mm)
VM2	H460-8-10X140	A572-GR.50	460 X 46.61	460	140	10.00
VP1	H200-4-4X100	A572-GR.50	200 X 12.31	200	100	4.00
VS1	H460-8-15X180	A572-GR.50	460 X 68.39	460	180	15.00

SECCIONES TIPO "L"						
MARCA	SECCION	MATERIAL	PESO H(mm) x kg/m	H (mm)	B (mm)	C (mm)
ES1	C300X100X5	A572-GR.50	300 X 7.79	300	100	5.00
T1	C150X50X3	A572-GR.50	150 X 5.75	150	50	3.00

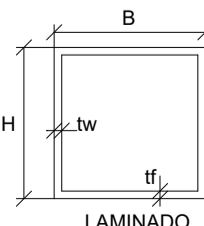
DETALLE DE LOSA



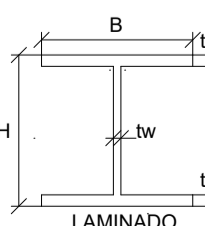
ACERO:
ASTM-A572; GRADO 50
Fy= 50 Ksi
Fu= 65 Ksi
E= 29000 Ksi
G= 11200 Ksi



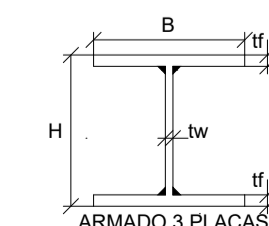
ACERO:
ASTM-A36
Fy= 36 Ksi
Fu= 58 Ksi
E= 29000 Ksi
G= 11200 Ksi



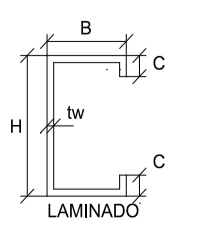
ACERO:
ASTM-A572; GRADO 50
Fy= 50 Ksi
Fu= 65 Ksi
E= 29000 Ksi
G= 11200 Ksi



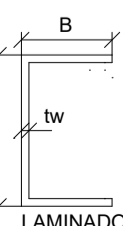
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Fy= 36 Ksi
Fu= 58 Ksi
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G= 11200 Ksi



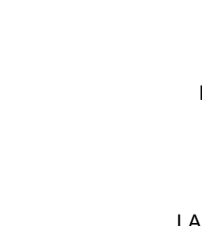
ACERO:
ASTM-A572; GRADO 50
Fy= 50 Ksi
Fu= 65 Ksi
E= 29000 Ksi
G= 11200 Ksi



ACERO:
ASTM-A36
Fy= 36 Ksi
Fu= 58 Ksi
E= 29000 Ksi
G= 11200 Ksi



ACERO:
ASTM-A572; GRADO 50
Fy= 50 Ksi
Fu= 65 Ksi
E= 29000 Ksi
G= 11200 Ksi



ACERO:
ASTM-A36
Fy= 36 Ksi
Fu= 58 Ksi
E= 29000 Ksi
G= 11200 Ksi

