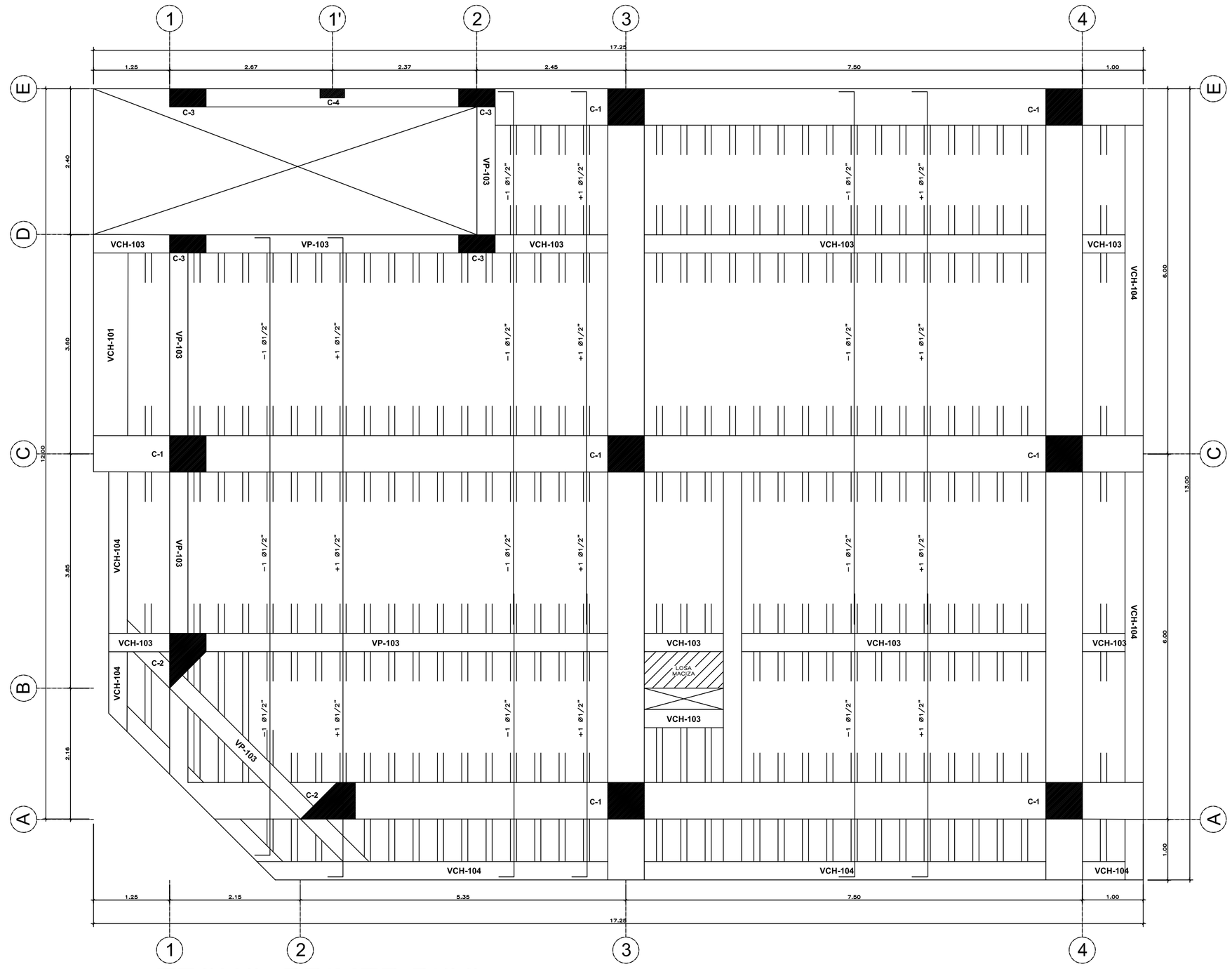
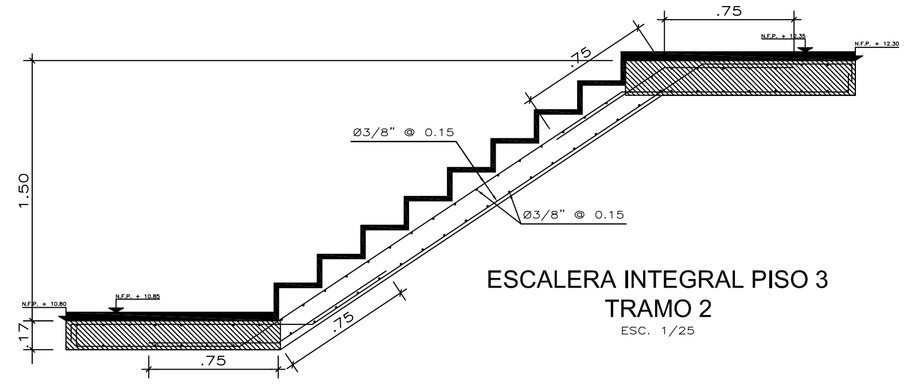
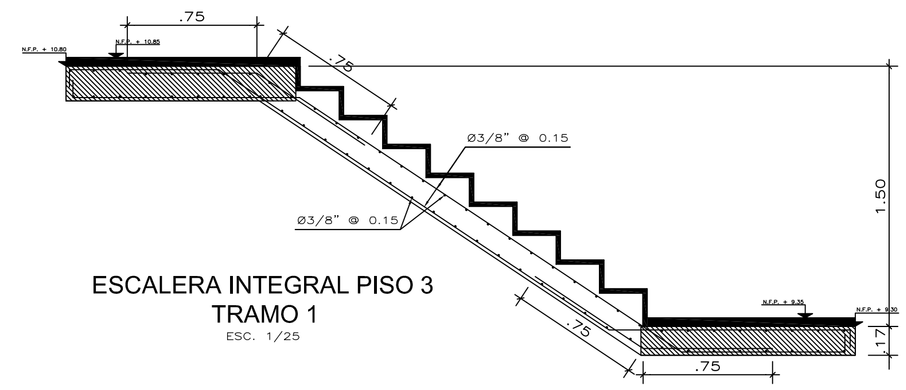


TECHO: PRIMER PISO
ESC. 1/50



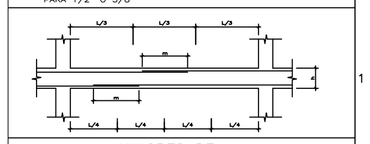
ESCALERA INTEGRAL PISO 3
TRAMO 2
ESC. 1/25



ESCALERA INTEGRAL PISO 3
TRAMO 1
ESC. 1/25

TRASLAPES Y EMPALMES PARA VIGAS Y ALIGERADOS

NOTAS
1.– NO EMPALMAR MAS DEL 50% DEL AREA DE UNA MISMA SECCION
2.– EN CASO DE NO EMPALMARSE EN LAS ZONAS INDICADAS O CON LOS PORCENTAJES ESPECIFICADOS, AUMENTAR LA LONGITUD DE EMPALME EN UN 70 %
3.– PARA ALIGERADOS Y VIGAS CHATAS EL ACERO INFERIOR SE EMPALMARA SOBRE LOS APOYOS SIENDO LA LONGITUD DE EMPALME IGUAL A 25 CM. PARA FIERRO DE 3/8" Y 35 CM. PARA 1/2" O 5/8"

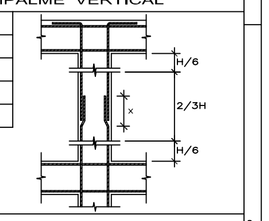


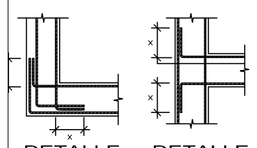
VALORES DE m

Ø	REFUERZO INFERIOR	REFUERZO SUPERIOR	
	h CUALQUIERA	h < 0.30	h > 0.30
3/8"	0.40	0.40	0.45
1/2"	0.40	0.40	0.50
5/8"	0.50	0.45	0.60
3/4"	0.60	0.55	0.75
1"	1.15	1.00	1.30

EMPALME VERTICAL

Ø	X
3/8"	0.40
1/2"	0.40
5/8"	0.50
3/4"	0.60



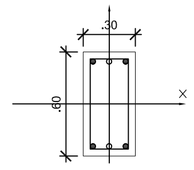
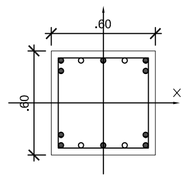
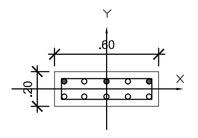
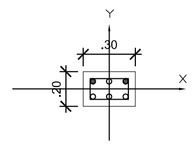
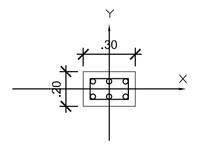


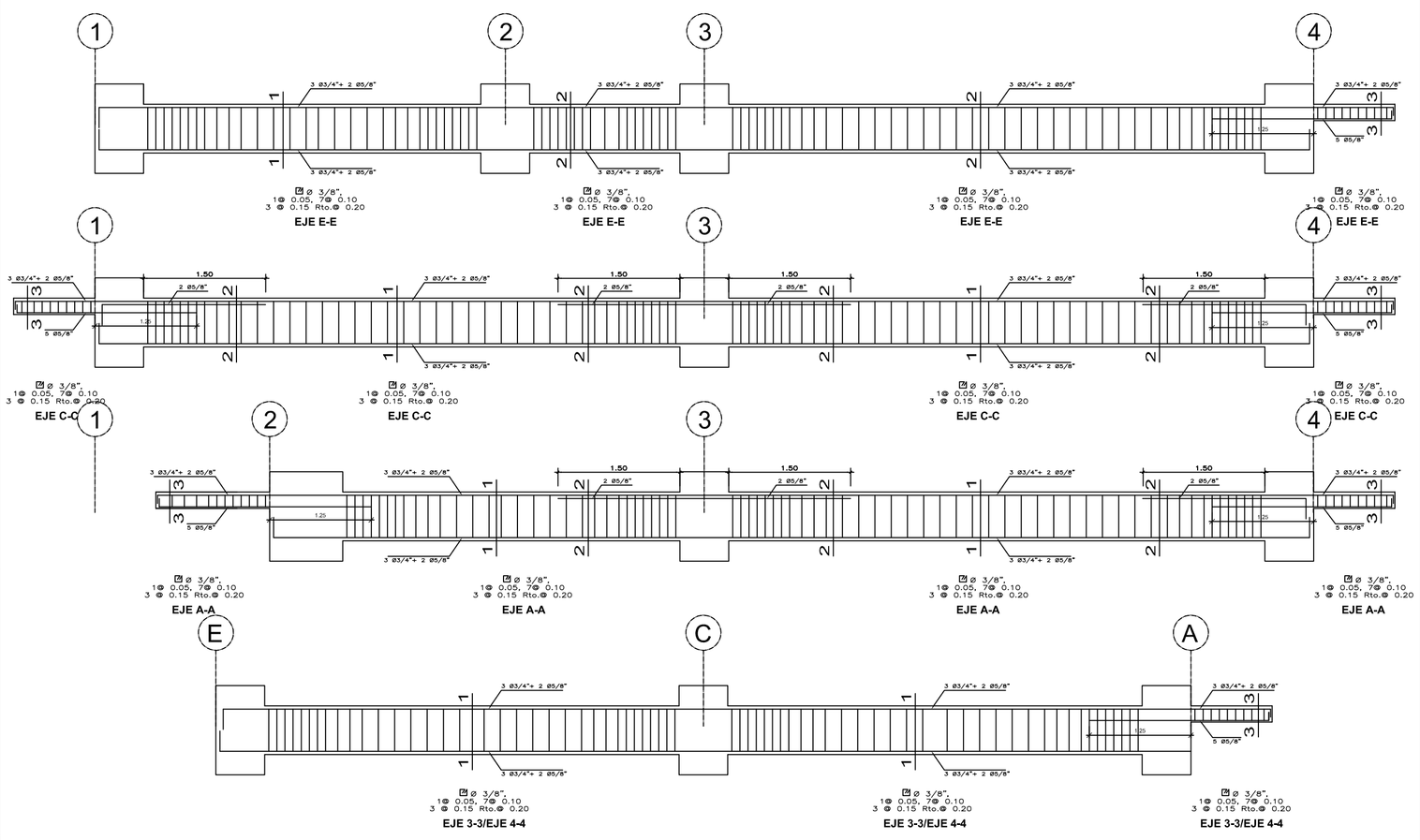
DETALLE "L"

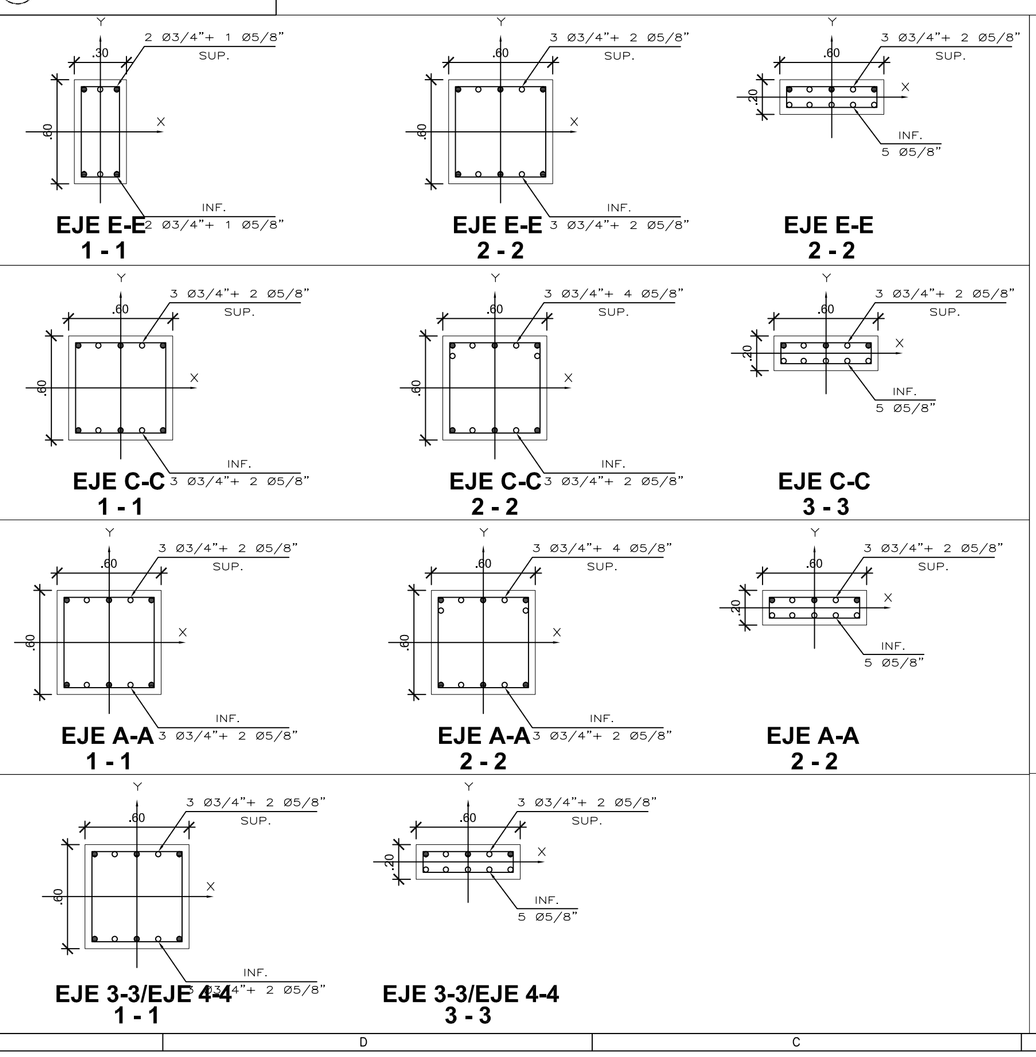
DETALLE "T"

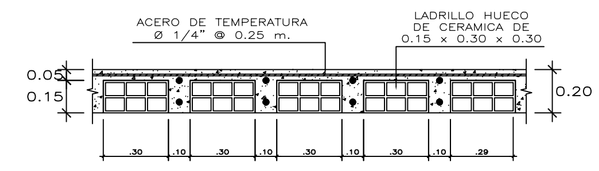
Ø	X
3/8"	0.20
1/2"	0.25
5/8"	0.30

CUADRO DE VIGAS

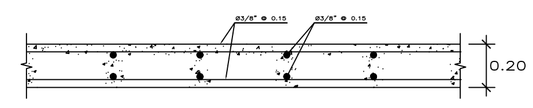
TIPO	VP-103	VP-104	VCH - 101	VCH-103	VCH-104
DIMENSION					
ACERO	4 ● Ø 3/4" 2 ○ Ø 5/8"	10 ● Ø 3/4" 4 ○ Ø 5/8"	3 ● Ø 3/4" 7 ○ Ø 5/8"	2 ● Ø 3/4" 4 ○ Ø 5/8"	6 ● Ø 5/8"
ACERO ESTRIBOS 1°NIVEL 2°NIVEL 3°NIVEL 4°NIVEL	Ø 3/8", 1@ 0.05, 7@ 0.10 3 @ 0.15 Rto.@ 0.20	Ø 3/8", 1@ 0.05, 7@ 0.10 3 @ 0.15 Rto.@ 0.20	Ø 3/8", 1@ 0.05, 7@ 0.10 3 @ 0.15 Rto.@ 0.20	Ø 3/8", 1@ 0.05, 7@ 0.10 3 @ 0.15 Rto.@ 0.20	Ø 3/8", 1@ 0.05, 7@ 0.10 3 @ 0.15 Rto.@ 0.20







DETALLE DE ALIGERADO H=0.20
ESCALA : S/E



DETALLE LOSA MACIZA
ESCALA : S/E

PROPIETARIO:	JOEL RONALD CLEMENTE VARGAS
PROYECTO:	VIVIENDA MULTIFAMILIAR 4 PISOS
PROFESIONAL:	ING. GUSTAVO JEREMIAS RIQUE PEREZ — CIP: 138318
UBICACIÓN:	AV. MARGINAL S/N - FUNDO CLEMENTE - JUNIN - SATIPO - SAN MARTIN DE PANGOA
ESPECIALIDAD:	ESTRUCTURAS
PLANO:	TECHOS
LAMINA:	E – 3
ESCALA:	1/50
DIBUJO:	G.J.R.P
FECHA:	14/03/2022
REVISIÓN:	A
	03 DE 04