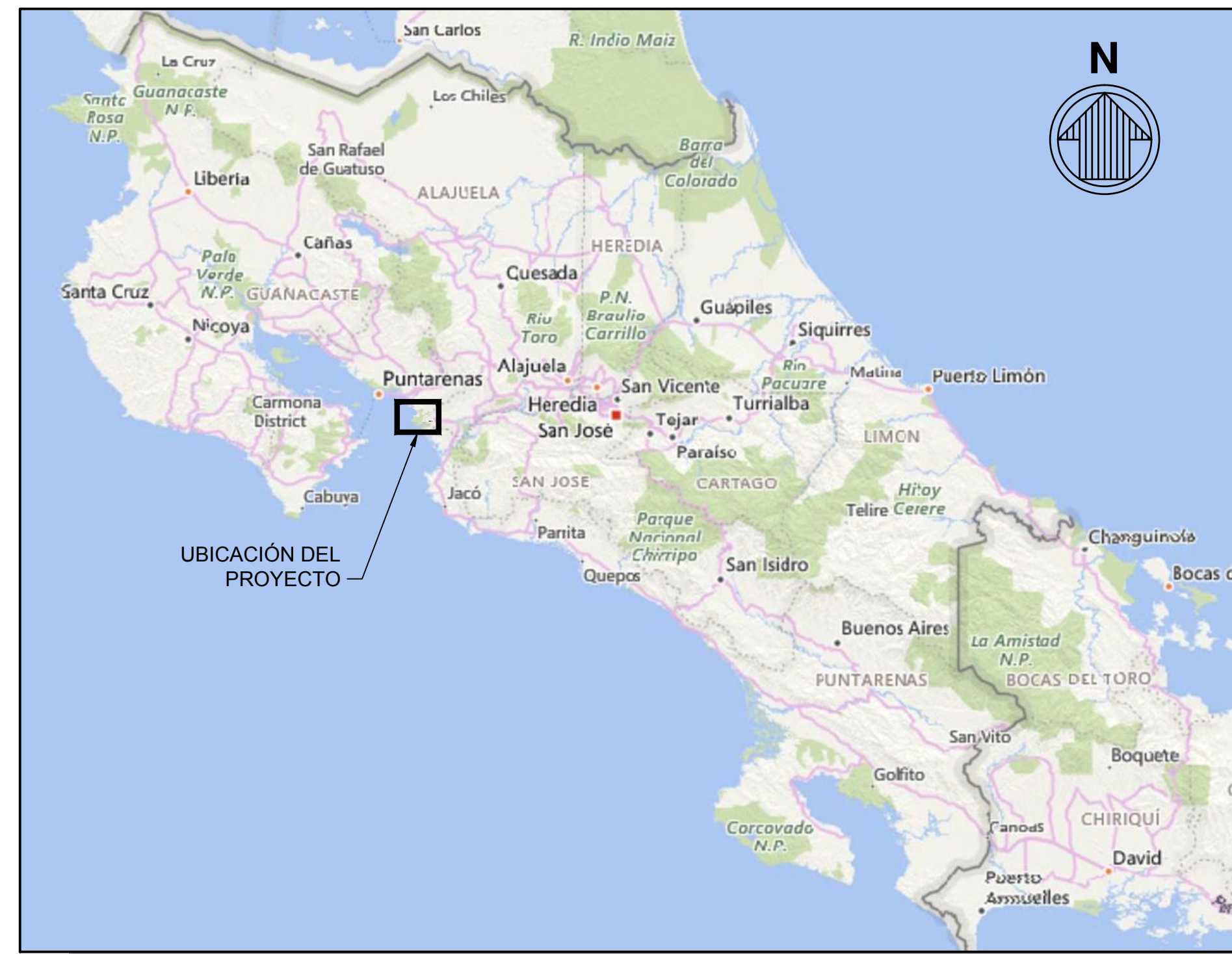


SELECTION No 1284098

CALDERA PORT PPP PROJECT

COSTA RICA

Mark	Description	Date	Appr
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A	EMITIDO PARA REVISIÓN	24/07/24	FG



PLANTA DE UBICACIÓN
SIN ESCALA



PLANTA DE EMPLAZAMIENTO
SIN ESCALA

ÍNDICE DE HOJAS		
ÍNDICE	HOJA No	TÍTULO DE LA HOJA
1	G-001	PORTADA E ÍNDICE DE HOJAS
2	G-101	PLANTA GENERAL TERMINAL MARÍTIMO OPT A DRAG -13.6m SIN ALMACÉN
3	G-102	PLANTA GENERAL TERMINAL MARÍTIMO OPT A DRAG -13.6m CON ALMACÉN
4	G-103	PLANTA GENERAL TERMINAL MARÍTIMO OPT A DRAG -16.7m SIN ALMACÉN
5	G-104	PLANTA GENERAL TERMINAL MARÍTIMO OPT A DRAG -16.7m CON ALMACÉN
6	G-105	ESQUEMA DE CIRCULACIÓN GANELES SÓLIDOS OPT A SIN ALMACÉN
7	G-106	ESQUEMA DE CIRCULACIÓN GANELES SÓLIDOS OPT A CON ALMACÉN
8	G-111	PLANTA GENERAL TERMINAL MARÍTIMO OPT B DRAG -13.6m SIN ALMACÉN
9	G-112	PLANTA GENERAL TERMINAL MARÍTIMO OPT B DRAG -13.6m CON ALMACÉN
10	G-113	PLANTA GENERAL TERMINAL MARÍTIMO OPT B DRAG -16.7m SIN ALMACÉN
11	G-114	PLANTA GENERAL TERMINAL MARÍTIMO OPT B DRAG -16.7m CON ALMACÉN
12	G-115	ESQUEMA DE CIRCULACIÓN GRANELES SÓLIDOS OPT B SIN ALMACÉN
13	G-116	ESQUEMA DE CIRCULACIÓN GRANELES SÓLIDOS OPT B CON ALMACÉN
14	G-121	PLANTA CONTENEDORES Y CARGA GENERAL FASE 1
15	G-122	PLANTA CONTENEDORES Y CARGA GENERAL FASE 2
16	G-123	PLANTA CONTENEDORES Y CARGA GENERAL FASE 3
17	G-131	PLANTA GRANELES SÓLIDOS MECANIZADO
18	G-132	PLANTA GRANELES SÓLIDOS - OPT A
19	G-133	PLANTA GRANELES SÓLIDOS - OPT B
20	G-141	PLANTA TRAMPA DE ARENA

SELECTION No 1284098
CALDERA PORT PPP PROJECT

PORTADA E ÍNDICE DE HOJAS

Designed by:	R. FIGUEROA	Date:	2024-08-22	Rev.:	C
Drawn by:	REV	MAN Project No.:	220095-00		
Checked by:	ELC	Drawing code:			
Reviewed by:	F. GONZALEZ	Drawing Scale:	1:1 (Metric D)		
Submitted by:	MOFFATT & NICHOL				

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B	EMITIDO PARA REVISIÓN	24/07/23	ELC
A	EMITIDO PARA REVISIÓN	24/07/24	FG

SELECTION No 1284098
CALDERA PORT PPP PROJECT

PLANTA GENERAL TERMINAL MARÍTIMO OPT
A DRAG -13.6M SIN ALMACÉN

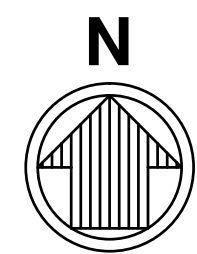
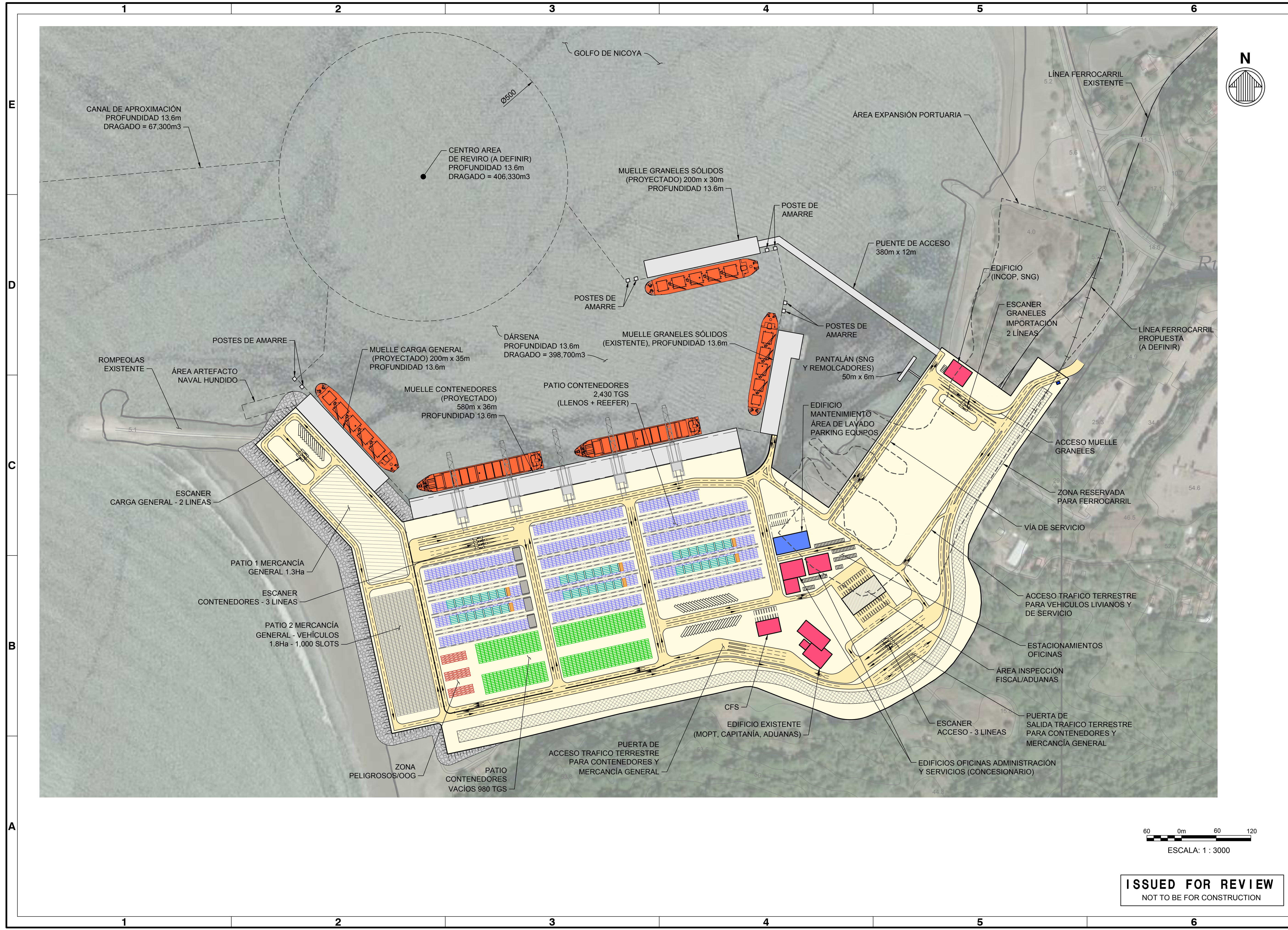
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Drawn by:	REV	MAN Project No.:	220095-00	Drawing code:	
Reviewed by:	F. GONZALEZ	Per scale:	1:1 (Metric D)	Drawing Scale:	
Submitted by:	MOFFATT & NICHOL				

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G-101
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A	EMITIDO PARA REVISION	24/07/24	FG

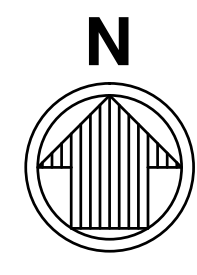
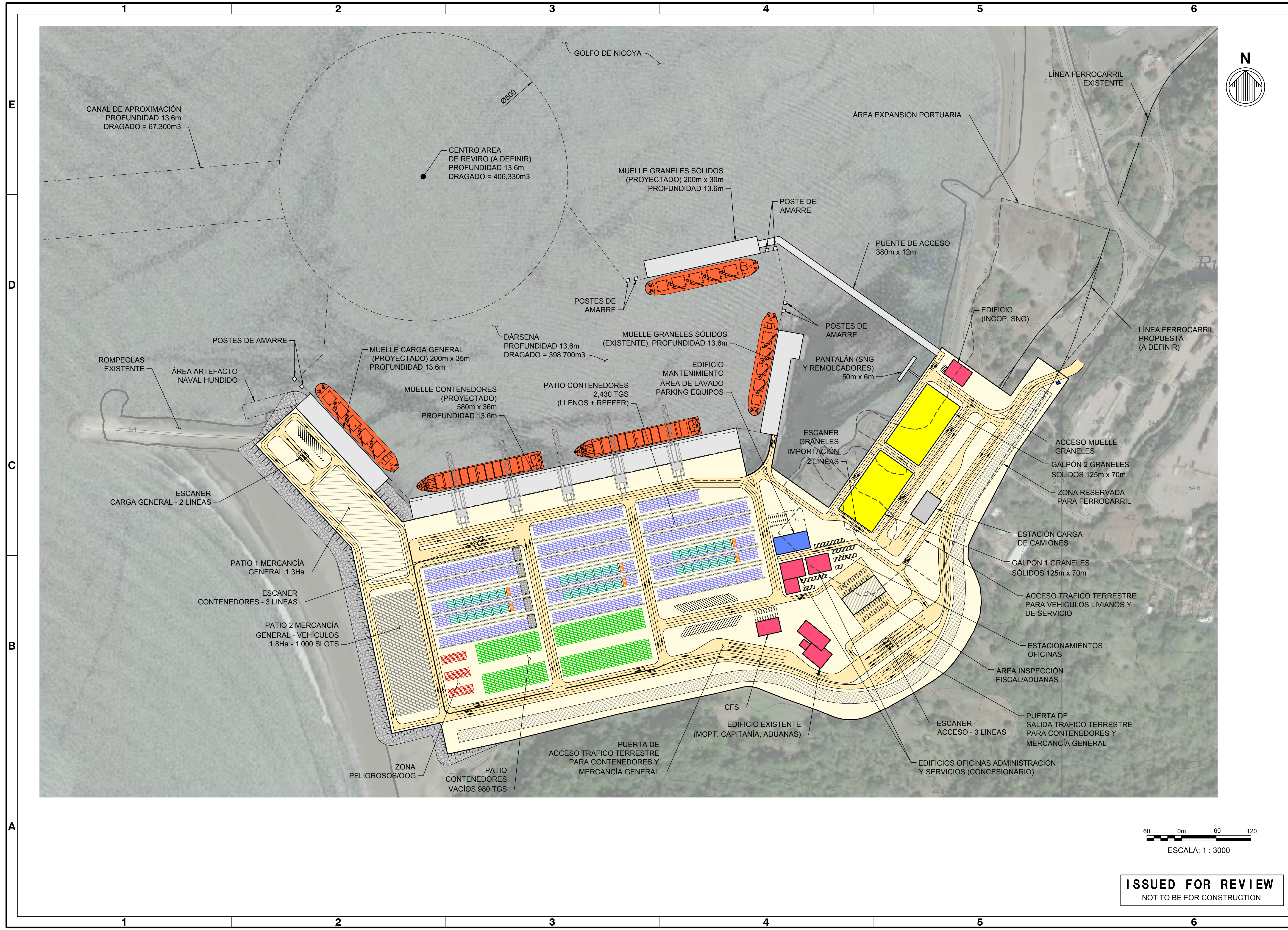
SELECTION No. 1284098
CALDERA PORT PPP PROJECT
PLANTA GENERAL TERMINAL MARITIMO OPT
A DRAG -13.6M CON ALMACEN

Designed by:	R. FIGUEROA	Date:	2024-08-22	Rev:	C
Drawn by:	REV	MMN Project No.:	220095-00	Drawing code:	
Reviewed by:	F. GONZALEZ	Per scale:	1:1 (Metric D)	Drawing Scale:	
Submitted by:	MOFFATT & NICHOL				

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Reference No.
G-102
INDEX: 3 OF 20



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B	EMITIDO PARA REVISIÓN	24/07/23	ELC
A	EMITIDO PARA REVISIÓN	24/07/24	FG

SELECTION No 1284098
CALDERA PORT PPP PROJECT

PLANTA GENERAL TERMINAL MARÍTIMO OPT
A DRAG -16.7M SIN ALMACÉN

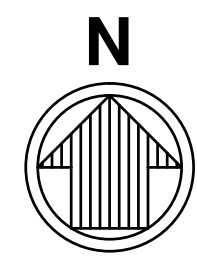
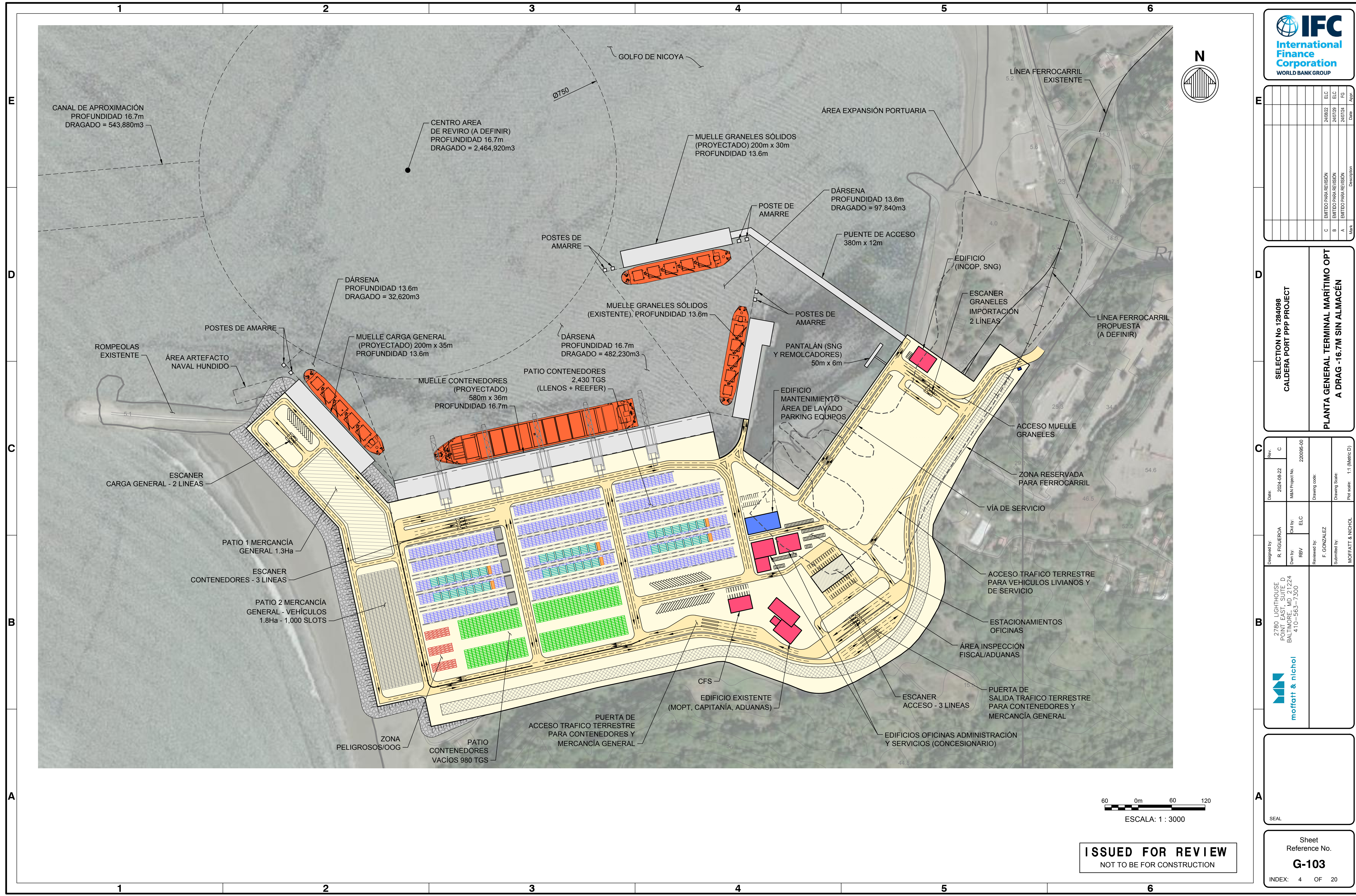
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Drawn by:	REV	MMN Project No.:	220095-00	Drawing code:	
Reviewed by:	F. GONZALEZ	Drawing Scale:	1:1 (Metric D)		
Submitted by:	MOFFATT & NICHOL				

2750 LIGHTHOUSE
POINT EAST, SUITE D
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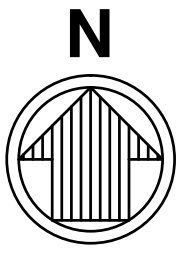
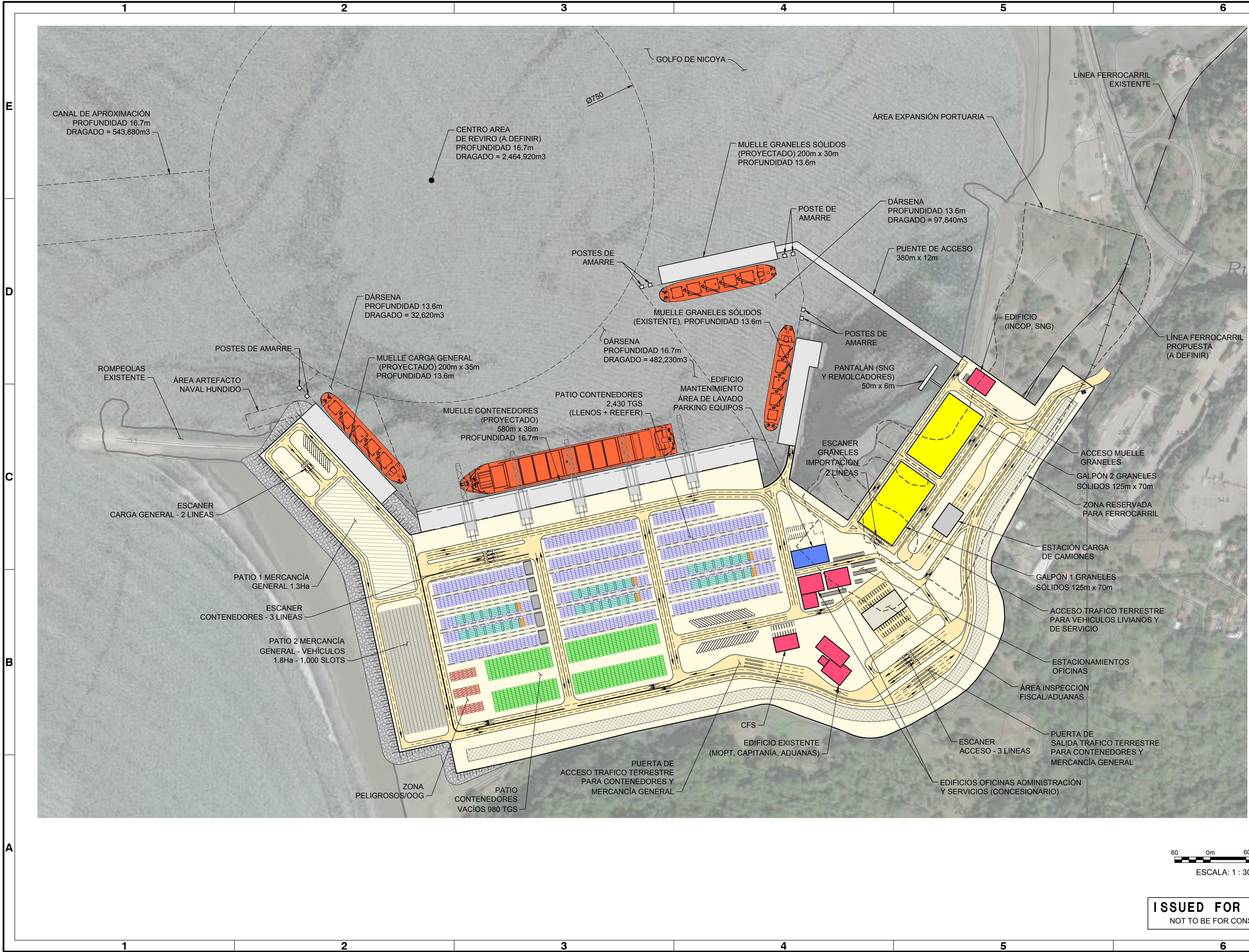
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Reference No.
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ESCALA: 1 : 3000

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A	EMITIDO PARA REVISIÓN	24/07/24	FG

SELECTION No. 1284098
CALDERA PORT PPP PROJECT

PLANTA GENERAL TERMINAL MARÍTIMO OPT
A DRAG -16.7M CON ALMACÉN

Designed by: R. FIGUEROA	Drawn by: REV	Checked by: ELC	Reviewed by: F. GONZALEZ	Submitted by: MOFFATT & NICHOL
Date: 2024-08-22	M&A Project No. 220095-00	Drawing code:	Drawing Scale: 1:1 (Metric D)	Per scale:

2750 LIGHTHOUSE
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C	24/02/24	EMITIDO PARA REVISIÓN	ELC	
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A	24/07/24	EMITIDO PARA REVISIÓN	FG	

SELECTION No 1284098
CALDERA PORT PPP PROJECT

ESQUEMA DE CIRCULACIÓN GANELES SÓLIDOS OPT A SIN ALMACÉN

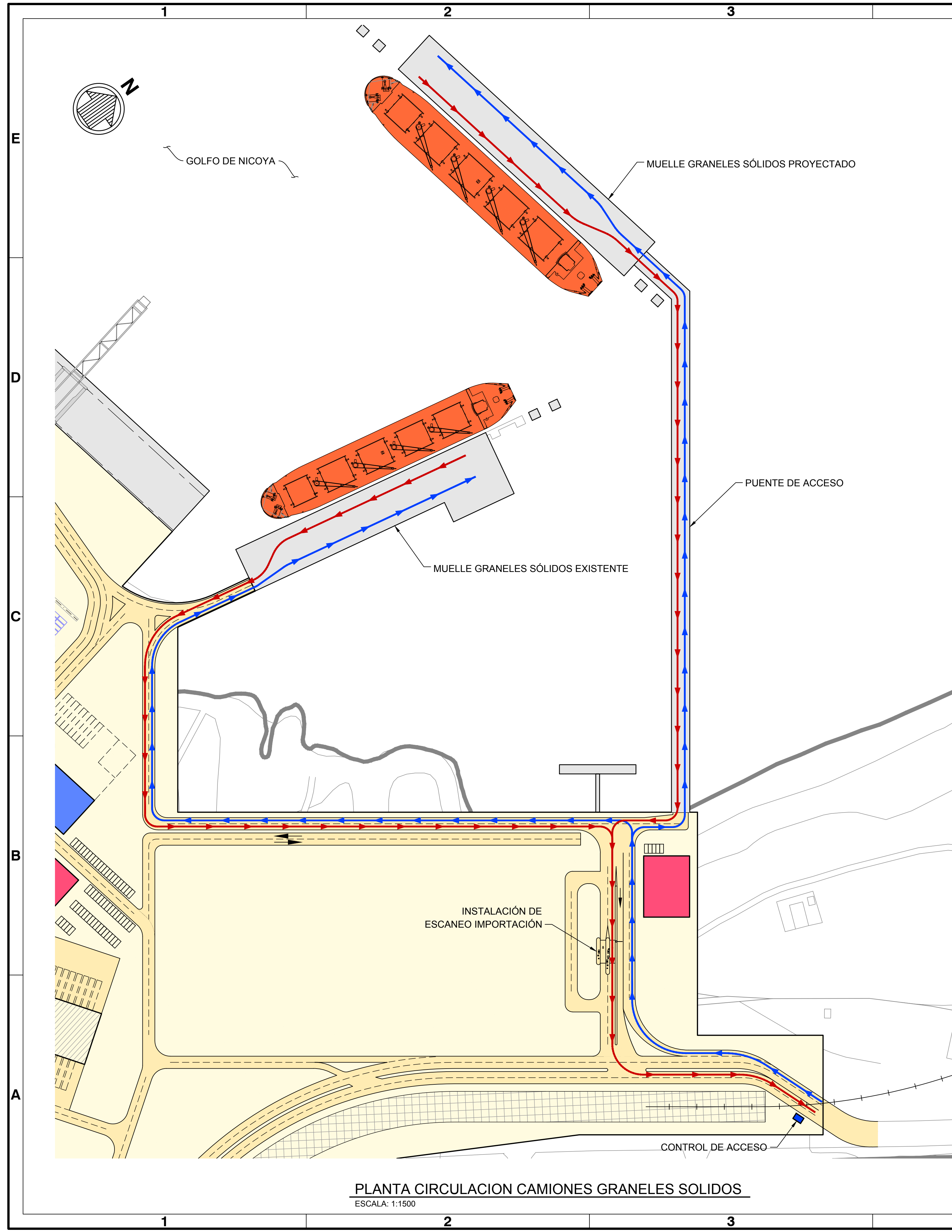
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Drawn by:	REV	Reviewed by:	F. GONZALEZ	Submitted by:	MOFFATT & NICHOL
Date:	2024-08-22	M&A Project No.:	220095-00	Drawing code:	
Per scale:	1:1 (Metric D)				

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POINT EAST, SUITE D
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410-363-7300

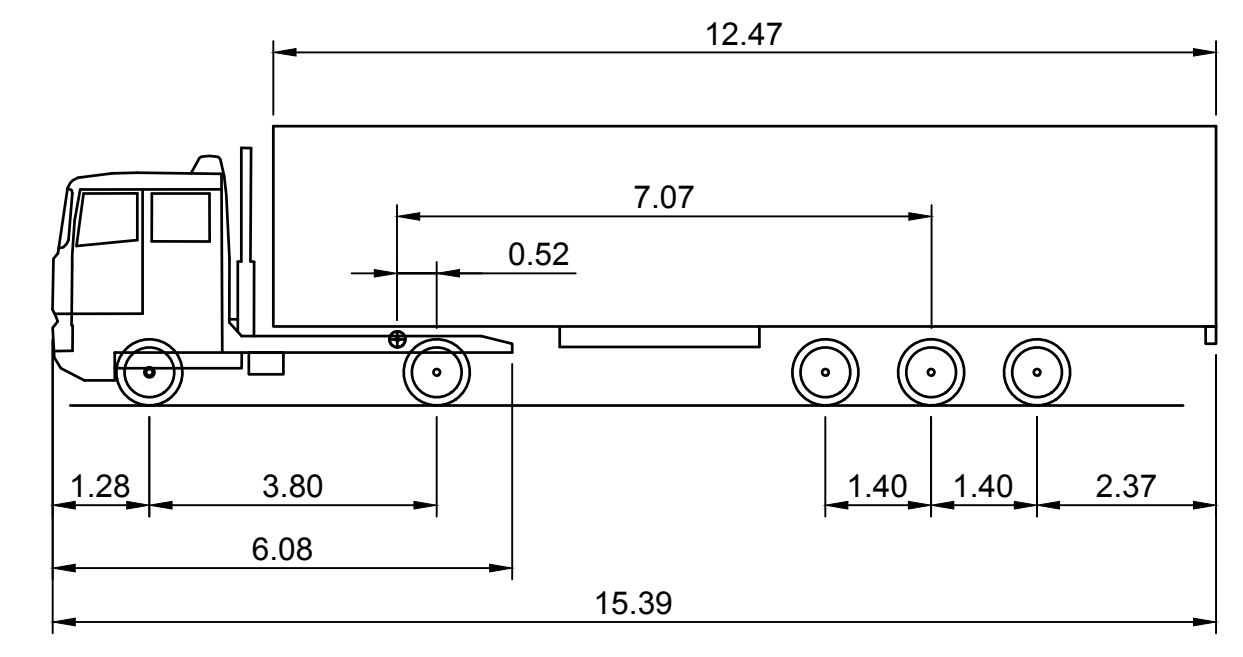
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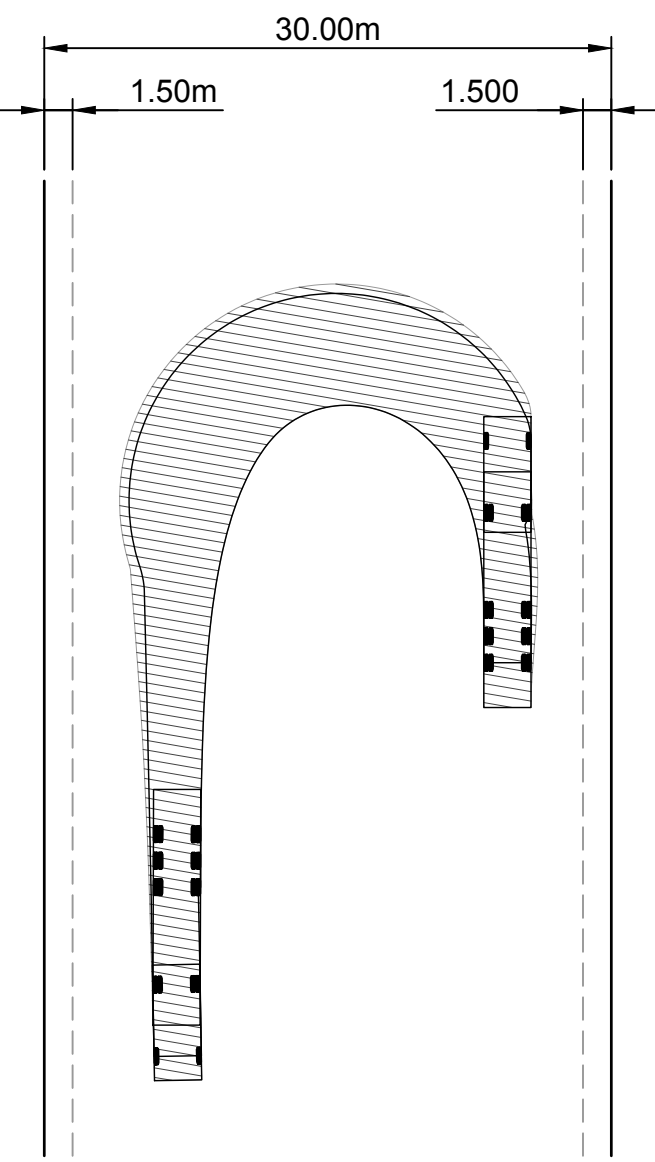


PLANTA CIRCULACION CAMIONES GRANELES SOLIDOS
ESCALA: 1:1500



SATTELZUG (SZ)	
OVERALL LENGTH	15.390m
OVERALL WIDTH	2.500m
OVERALL BODY HEIGHT	3.695m
MIN BODY GROUND CLEARANCE	0.332m
TRACK WIDTH	2.500m
LOCK-TO-LOCK TIME	4.00S
WALL TO WALL TURNING RADIUS	6.650m

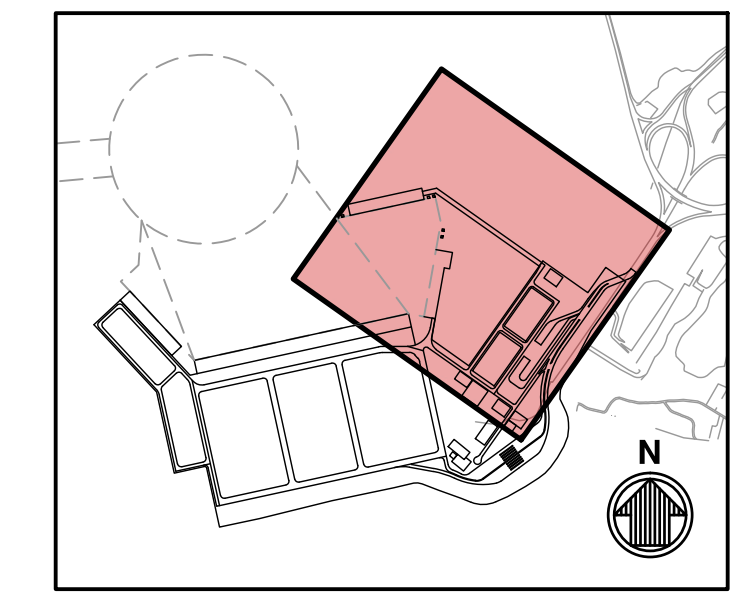
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ESCALA: S/E



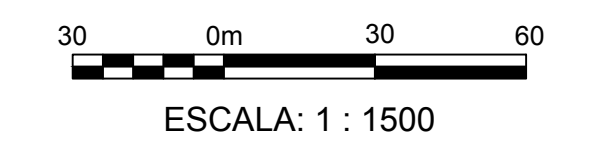
MANIOBRA DE GIRO CAMION INTERNO
ESCALA: S/E

LEYENDA

- FLUJO DE INGRESO DE CAMIONES EXTERNOS
- FLUJO DE SALIDA DE CAMIONES EXTERNOS



KEY PLAN



ESCALA: 1 : 1500

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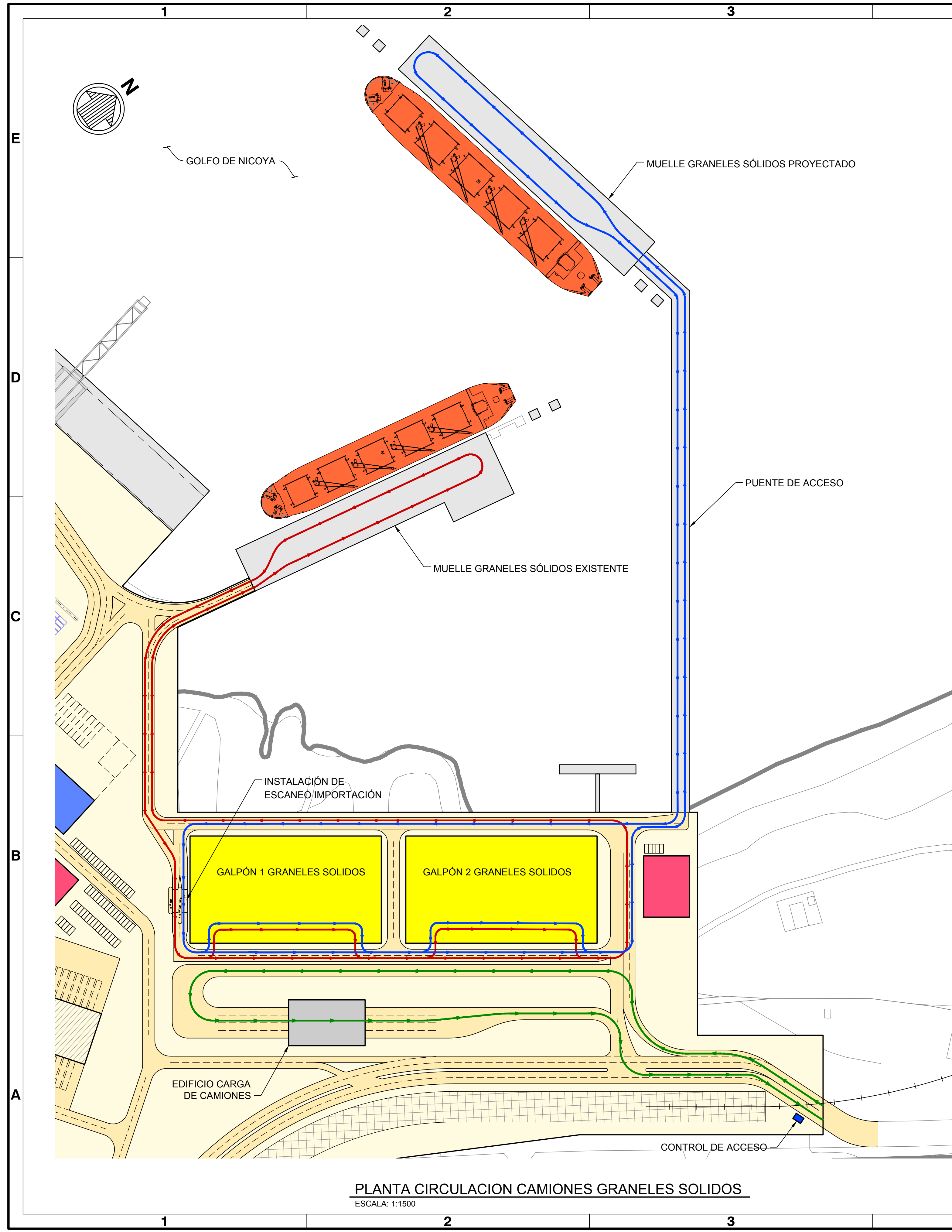
SELECTION No 1284098
CALDERA PORT PPP PROJECT
ESQUEMA DE CIRCULACIÓN GANELES SÓLIDOS OPT A CON ALMACÉN

Designed by:	R. FIGUEROA	Checked by:	ELC	Date:	2024-08-22	MAN Project No.:	220095-00
Drawn by:	REV	Reviewed by:	F. GONZALEZ	Drawing code:			
Submitted by:	MOFFATT & NICHOL	Per scale:	1:1 (Metric D)				

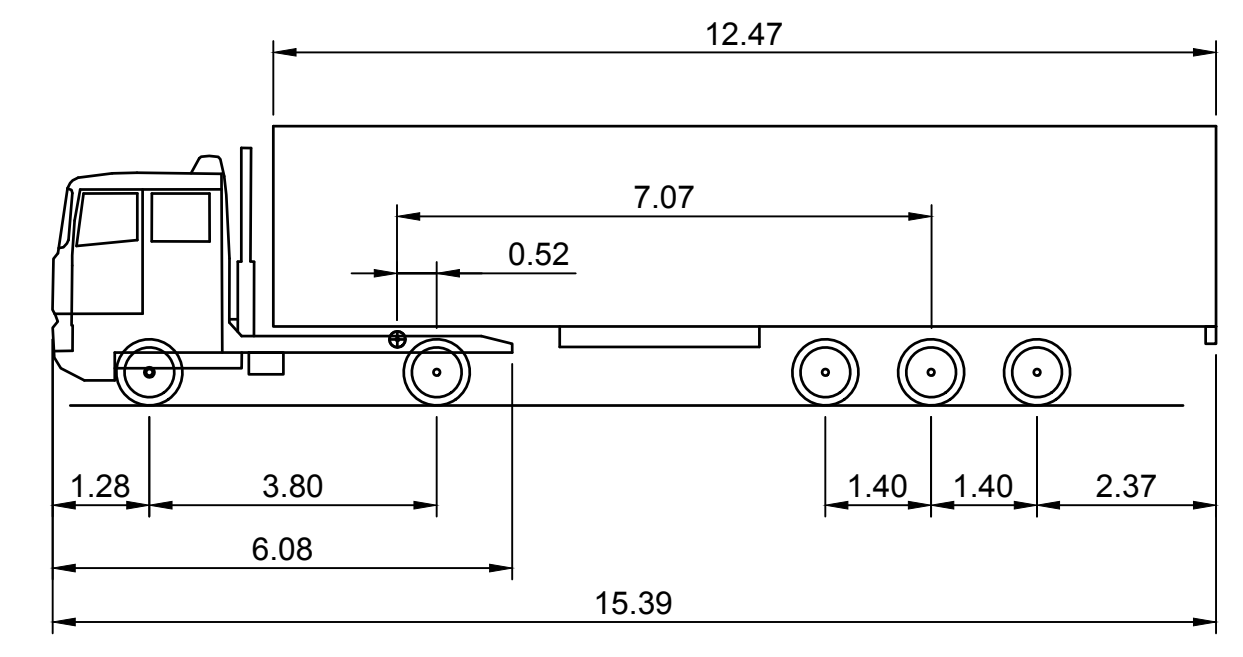
2750 LIGHTHOUSE
POINT EAST, SUITE D
BALTIMORE, MD 21224
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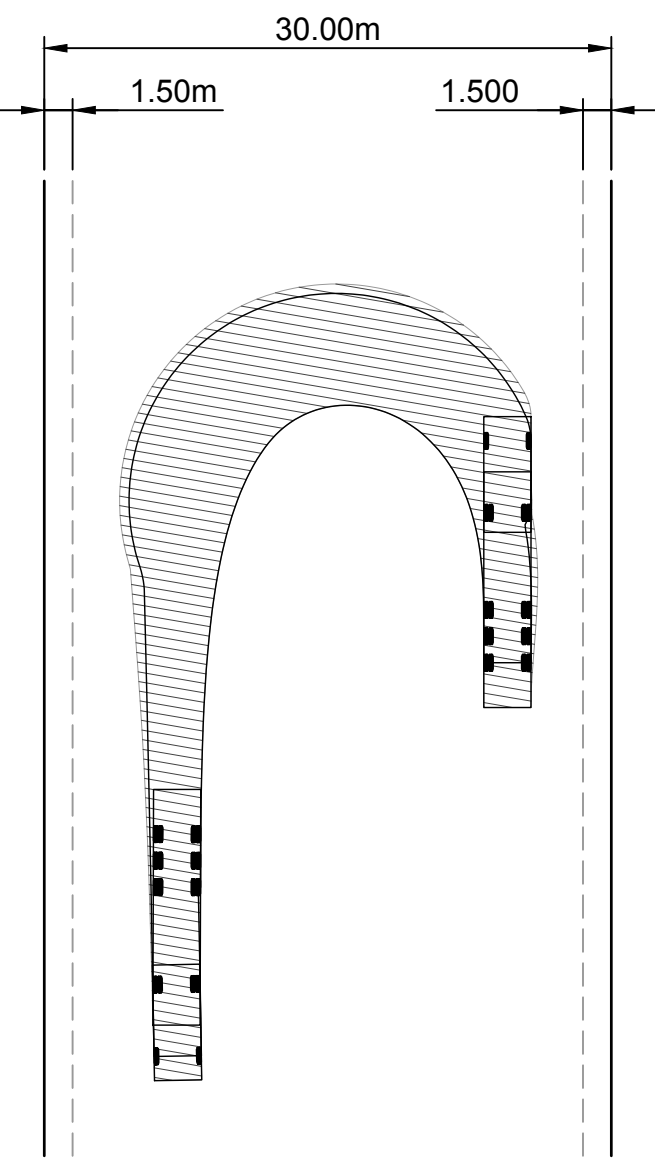


PLANTA CIRCULACION CAMIONES GRANELES SOLIDOS
ESCALA: 1:1500



SATTELZUG (SZ)	
OVERALL LENGTH	15.390m
OVERALL WIDTH	2.500m
OVERALL BODY HEIGHT	3.695m
MIN BODY GROUND CLEARANCE	0.332m
TRACK WIDTH	2.500m
LOCK-TO-LOCK TIME	4.00S
WALL TO WALL TURNING RADIUS	6.650m

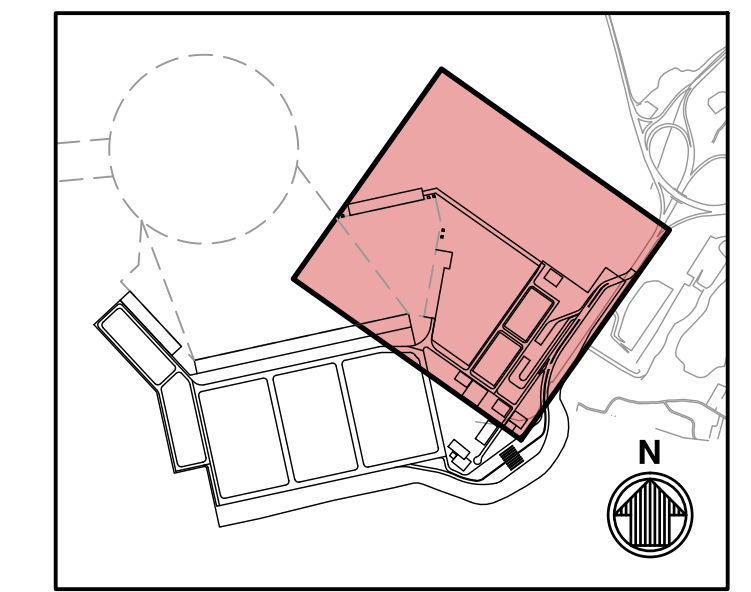
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ESCALA: S/E



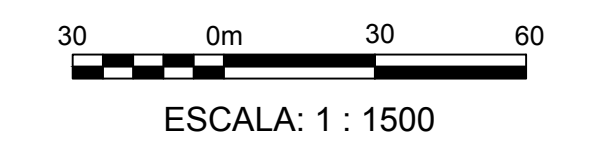
MANIOBRA DE GIRO CAMION INTERNO
ESCALA: S/E

LEYENDA

- FLUJO CAMIONES INTERNOS MUELLE EXISTENTE
- FLUJO CAMIONES INTERNOS MUELLE PROYECTADO
- FLUJO CARGA DE CAMIONES EXTERNOS



KEY PLAN



ESCALA: 1 : 1500

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A	EMITIDO PARA REVISIÓN	24/07/24	FG

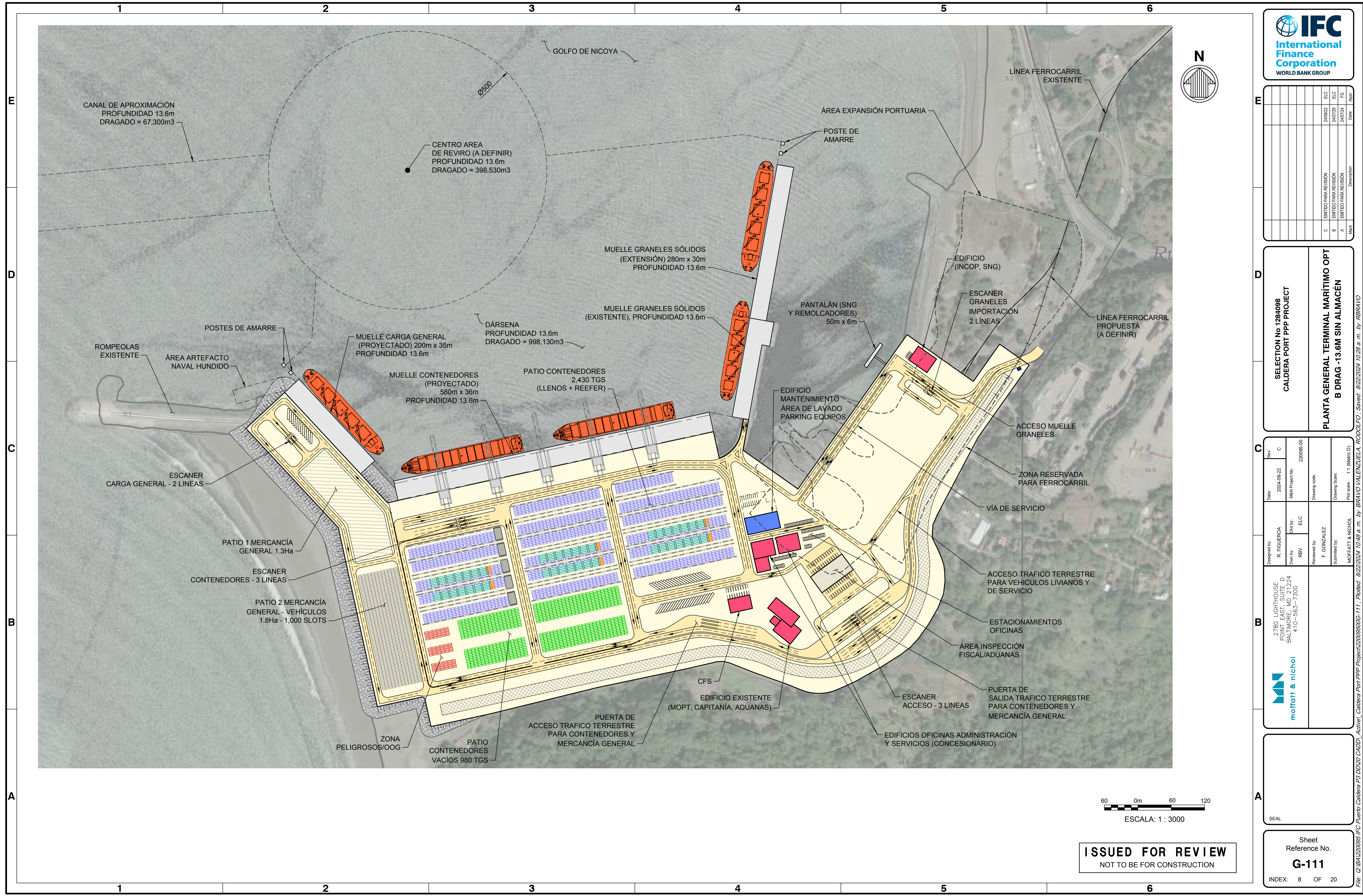
SELECTION No. 1284098
CALDERA PORT PPP PROJECT
PLANTA GENERAL TERMINAL MARÍTIMO OPT
B DRAG -13.6M SIN ALMACÉN

Rev.	Date	By	Checked by	Drawn by	Scale
C	2024-08-22	R. FIGUEROA	ELC	F. GONZALEZ	1:1 (Metric D)
		220095-00			

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Sheet
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60 0m 60 120
ESCALA: 1 : 3000

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C	EMITIDO PARA REVISIÓN	24/02/24	ELC
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A	EMITIDO PARA REVISIÓN	24/07/24	FG

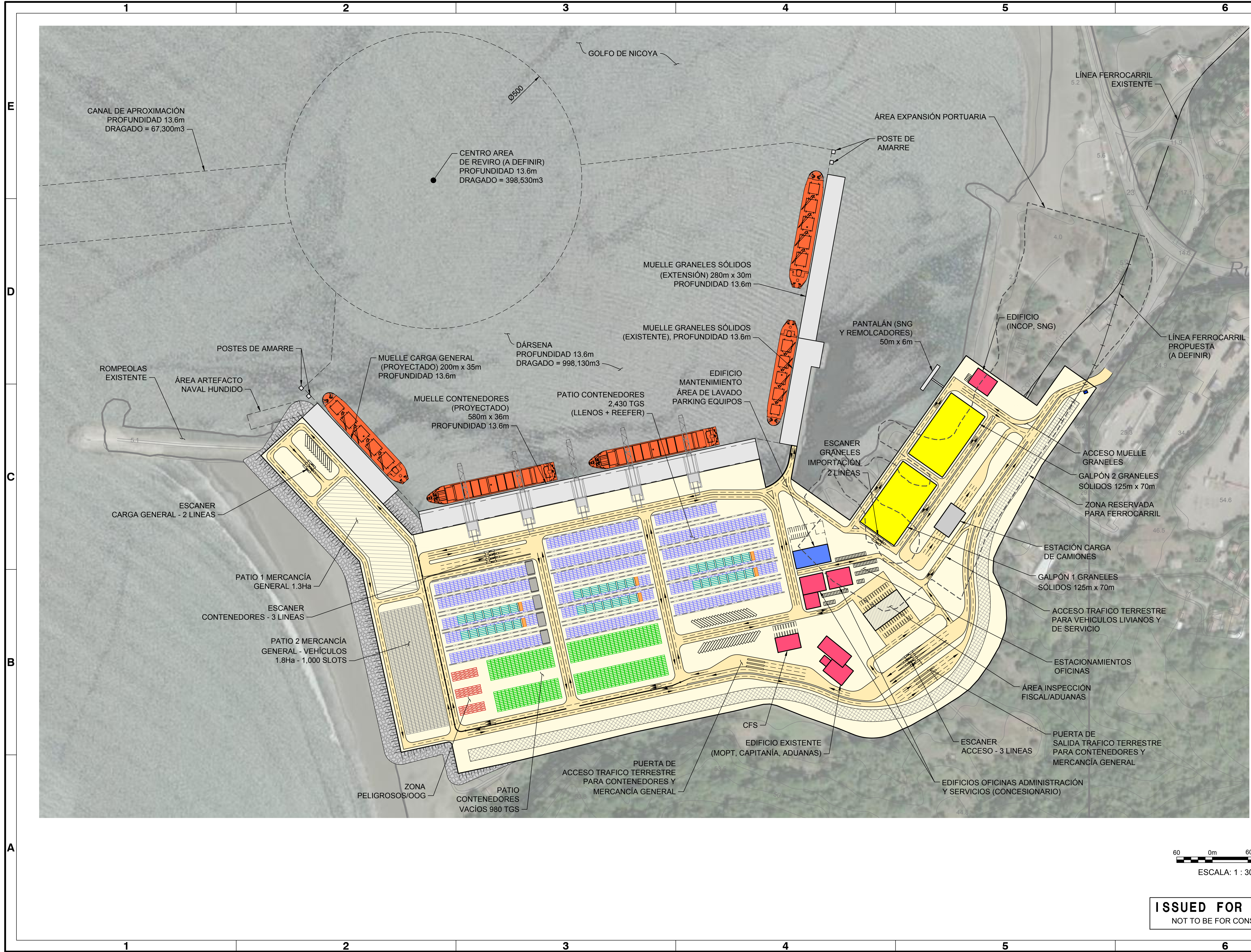
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CALDERA PORT PPP PROJECT
PLANTA GENERAL TERMINAL MARÍTIMO OPT
B DRAG -13.6M CON ALMACÉN

Rev.	Date	By	Checked by	Drawn by	Scale
C	2024-08-22	R. FIGUEROA	ELC	F. GONZALEZ	1:1 (Metric D)
220095-00		M&M Project No.		Drawing code:	
220095-00		M&M Project No.		Drawing Scale:	

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MOFFATT & NICHOL
Per scale: 1:1 (Metric D)
Submitted by: MOFFATT & NICHOL

Sheet Reference No.
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INDEX: 9 OF 20



ESCALA: 1 : 3000

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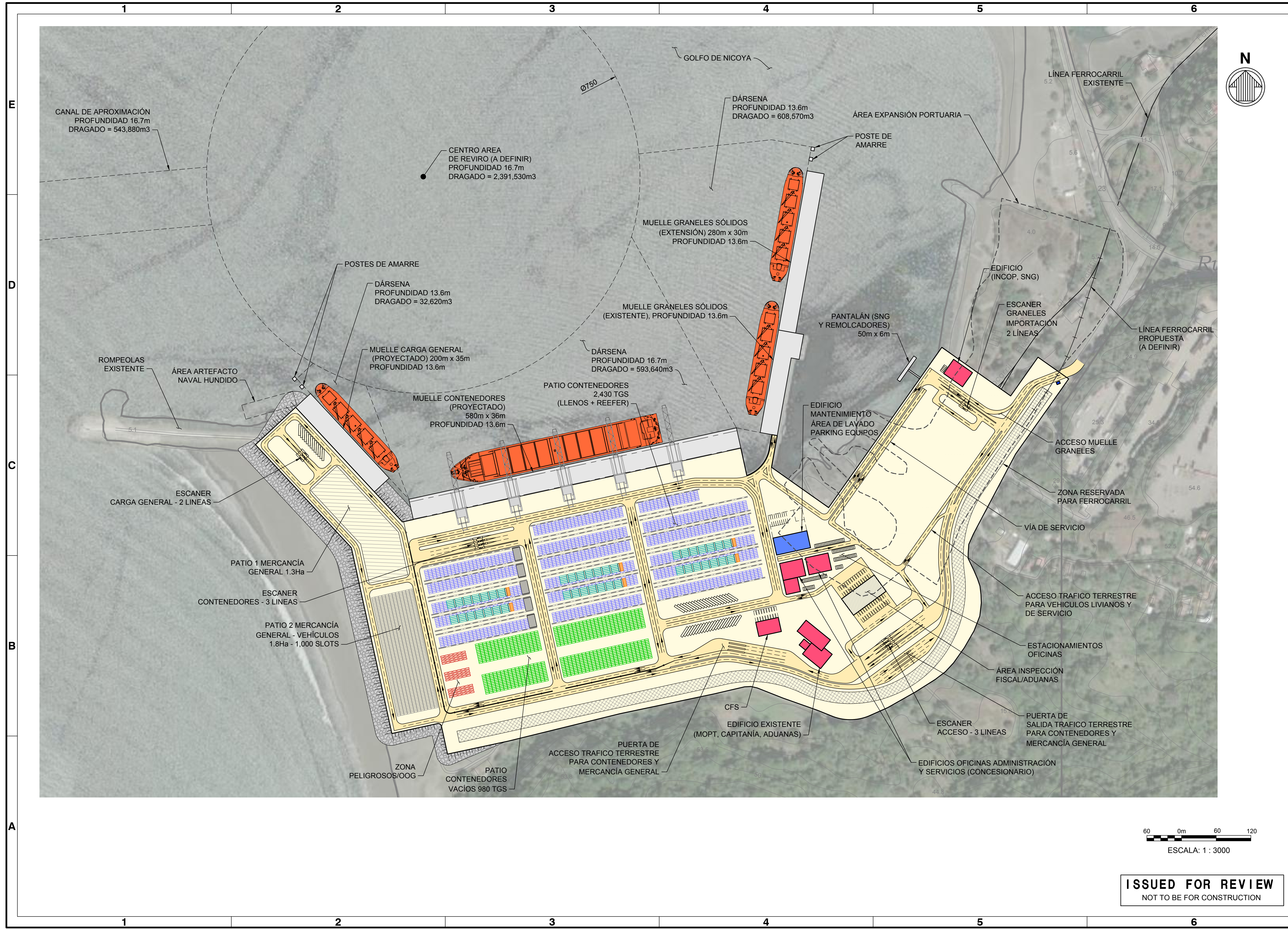
SELECTION No 1284098
CALDERA PORT PPP PROJECT
PLANTA GENERAL TERMINAL MARÍTIMO OPT
B DRAG -16.7M SIN ALMACÉN

Designed by:	R. FIGUEROA	Date:	2024-08-22	Rev:	C
Drawn by:	REV	MMN Project No.:	220095-00	Drawing code:	
Reviewed by:	F. GONZALEZ	Drawing Scale:	1:1 (Metric D)		
Submitted by:	MOFFATT & NICHOL				

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Sheet
Reference No.
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INDEX: 10 OF 20



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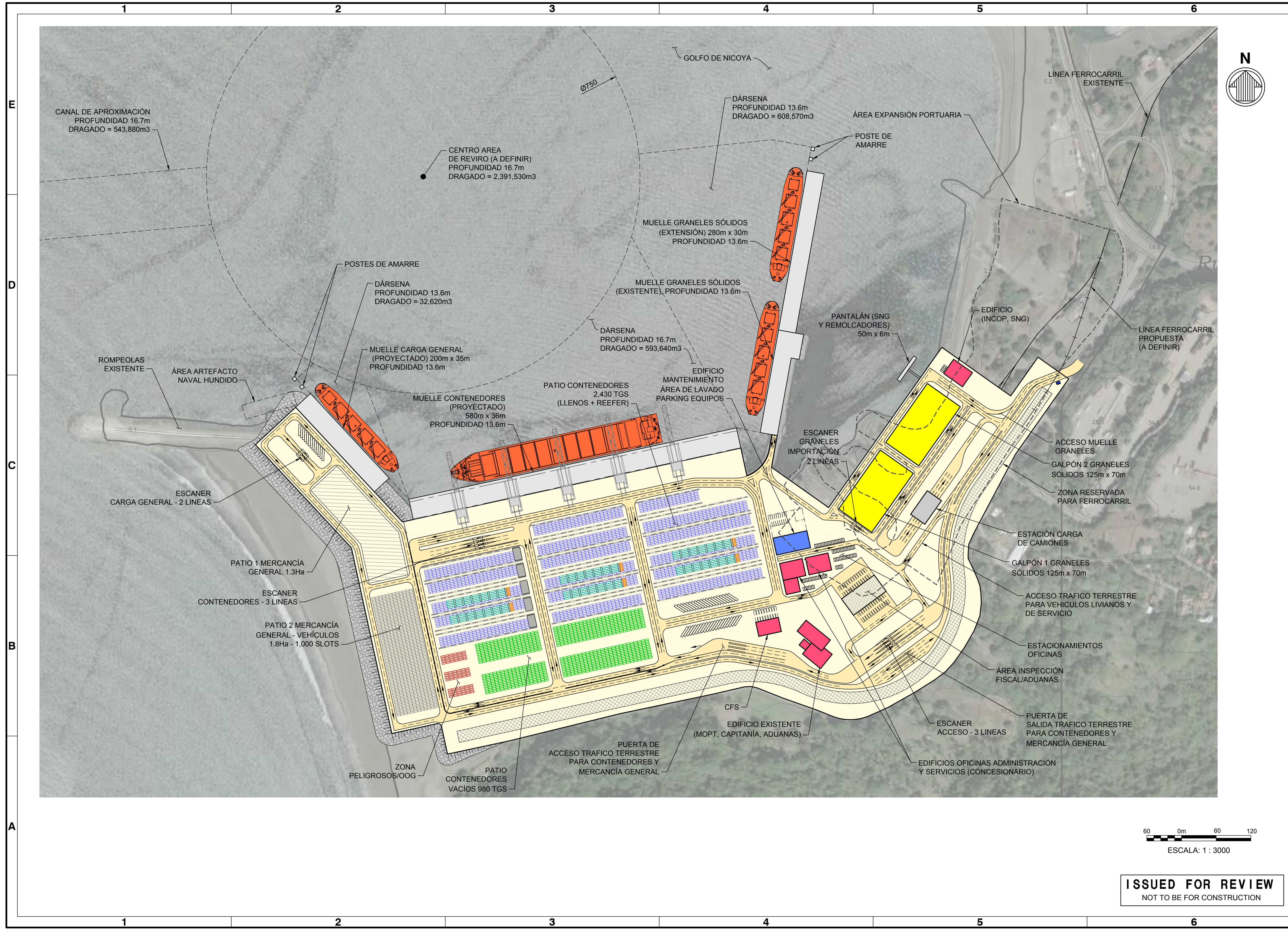
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CALDERA PORT PPP PROJECT
PLANTA GENERAL TERMINAL MARÍTIMO OPT
B DRAG -16.7M CON ALMACEN

Designed by:	R. FIGUEROA	Drawn by:	ELC	Date:	2024-08-22	Rev:	C
Checked by:	REV	Reviewed by:	F. GONZALEZ	M&M Project No.:	220095-00	Drawing code:	
Submitted by:	MOFFATT & NICHOL	Per scale:	1:1 (Metric D)				

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Rev.	Date	Mark	Description
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B	24/07/23	ELC	EMITIDO PARA REVISIÓN
A	24/07/24	FG	EMITIDO PARA REVISIÓN

SELECTION No 1284098
CALDERA PORT PPP PROJECT

ESQUEMA DE CIRCULACION GRANELES SÓLIDOS OPT B SIN ALMACÉN

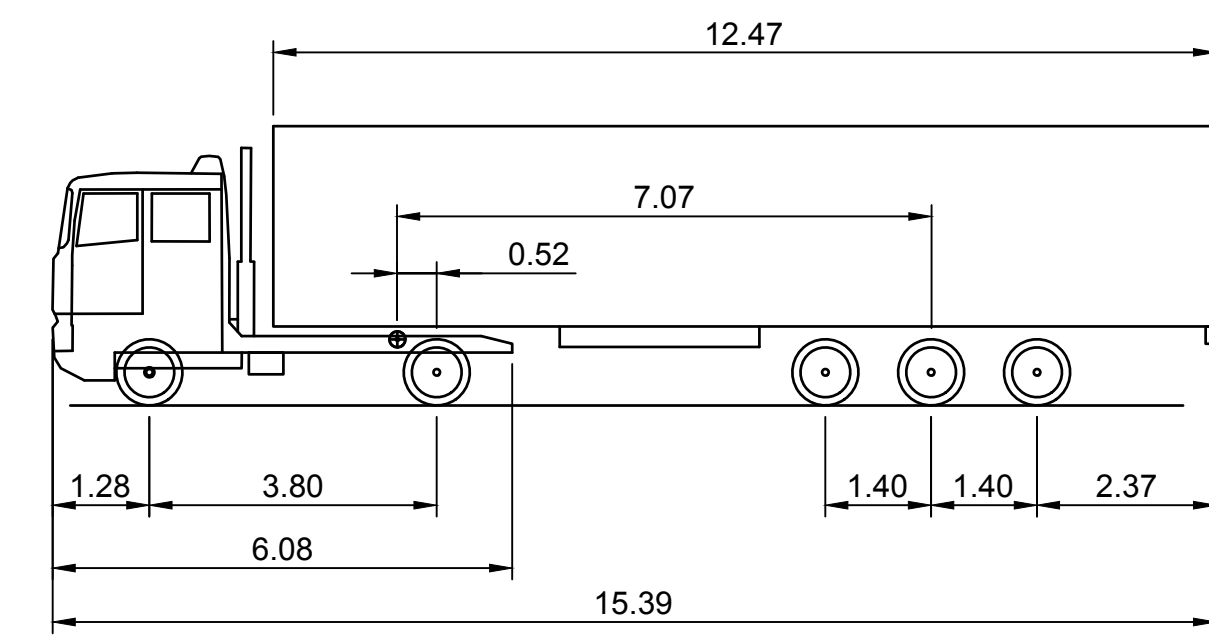
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Date:	2024-08-22	M&A Project No.:	220095-00	Drawing code:		Drawing Scale:	Per scale: 1:1 (Metric D)

2750 LIGHTHOUSE
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410-365-7300

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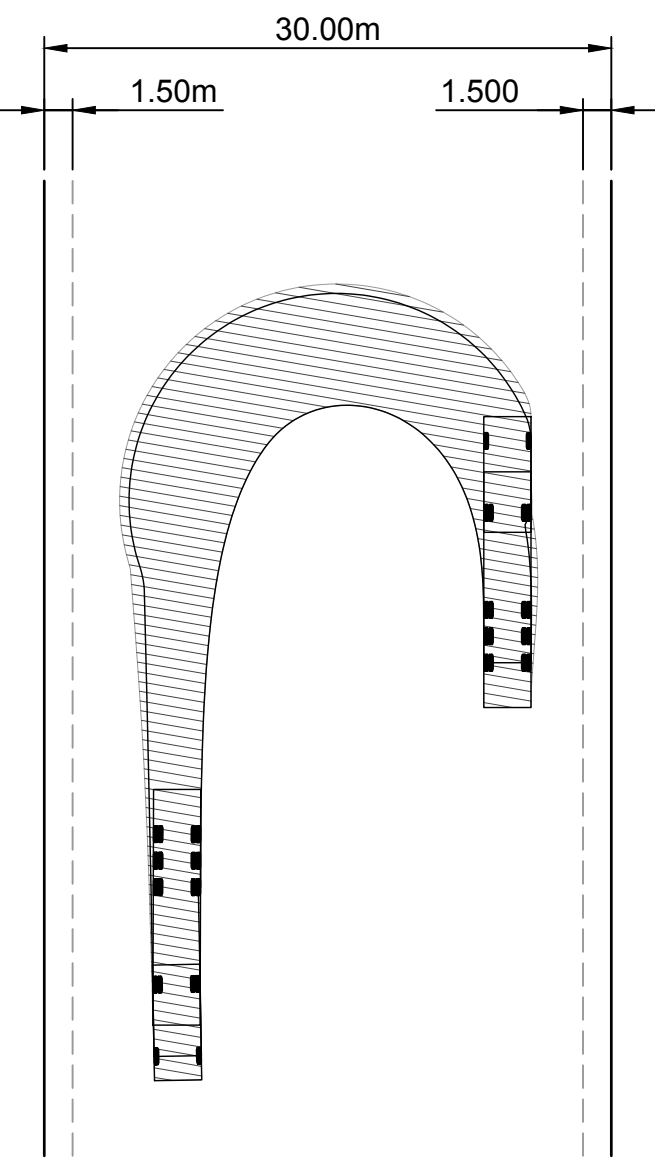
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SATELZUG (SZ)	
OVERALL LENGTH	15.390m
OVERALL WIDTH	2.500m
OVERALL BODY HEIGHT	3.695m
MIN BODY GROUND CLEARANCE	0.332m
TRACK WIDTH	2.500m
LOCK-TO-LOCK TIME	4.00S
WALL TO WALL TURNING RADIUS	6.650m

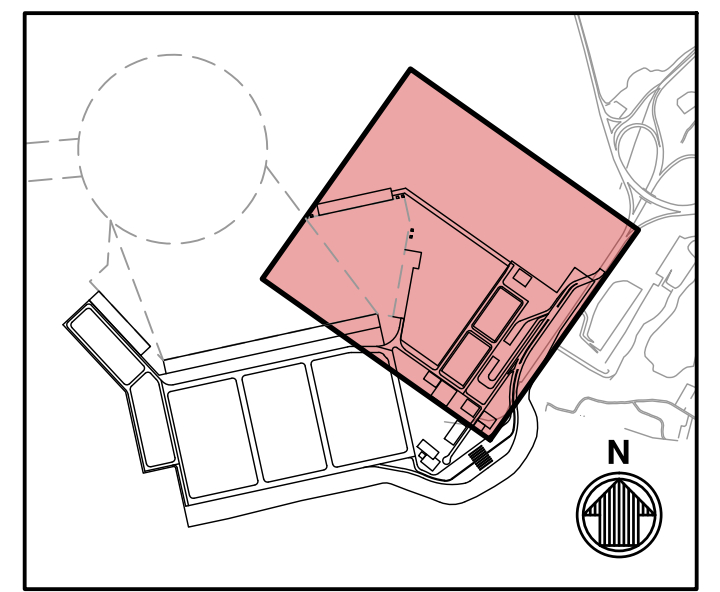
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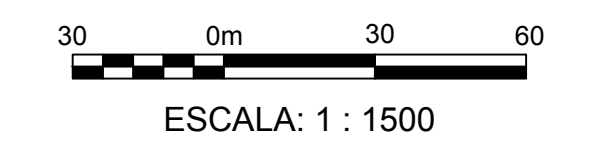
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LEYENDA

- FLUJO DE INGRESO DE CAMIONES EXTERNOS
- FLUJO DE SALIDA DE CAMIONES EXTERNOS

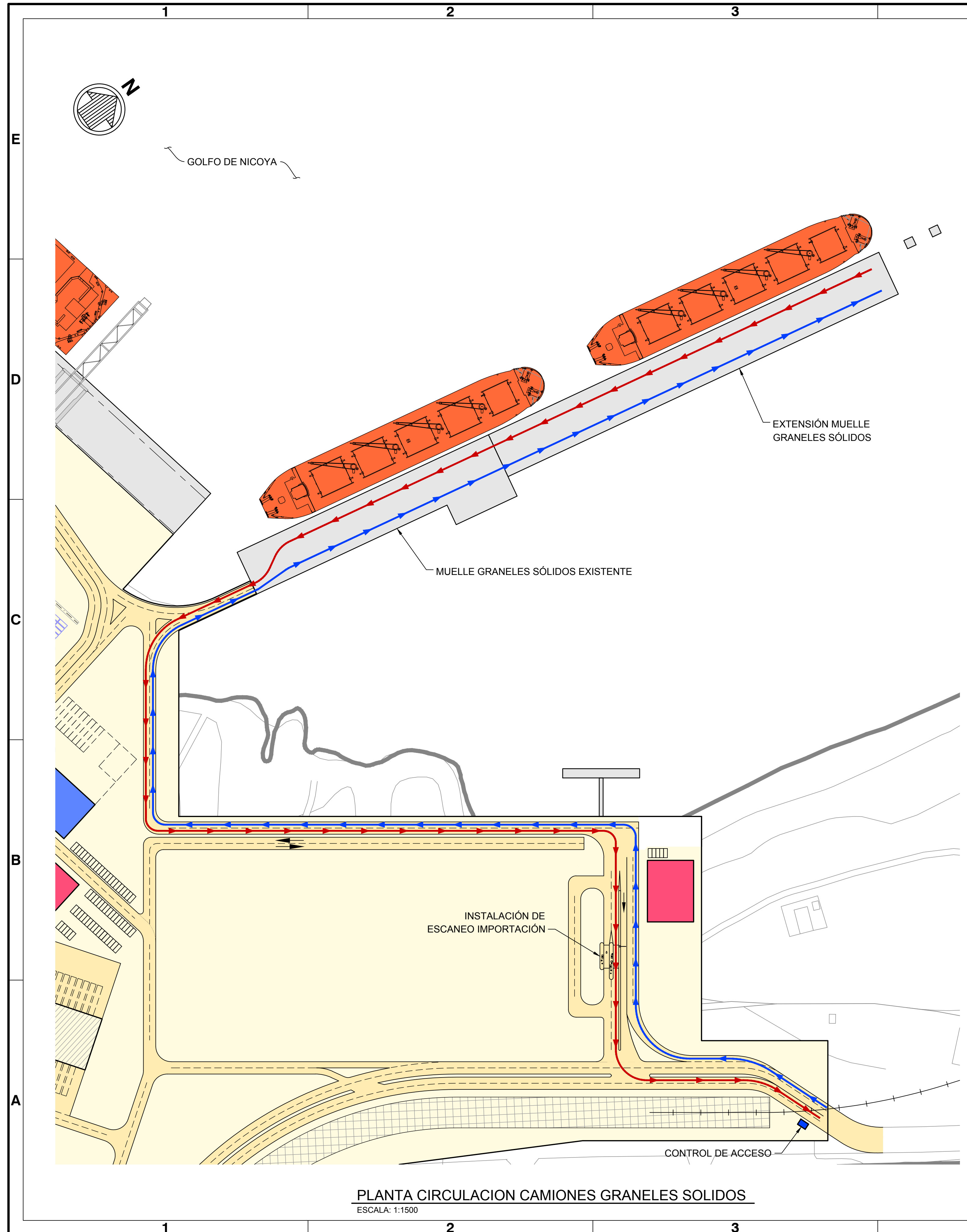


KEY PLAN



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PLANTA CIRCULACION CAMIONES GRANELES SOLIDOS
ESCALA: 1:1500

Rev.	Date	By	Check	Description
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A	24/07/24	FG		EMITIDO PARA REVISION

SELECTION No 1284098
CALDERA PORT PPP PROJECT

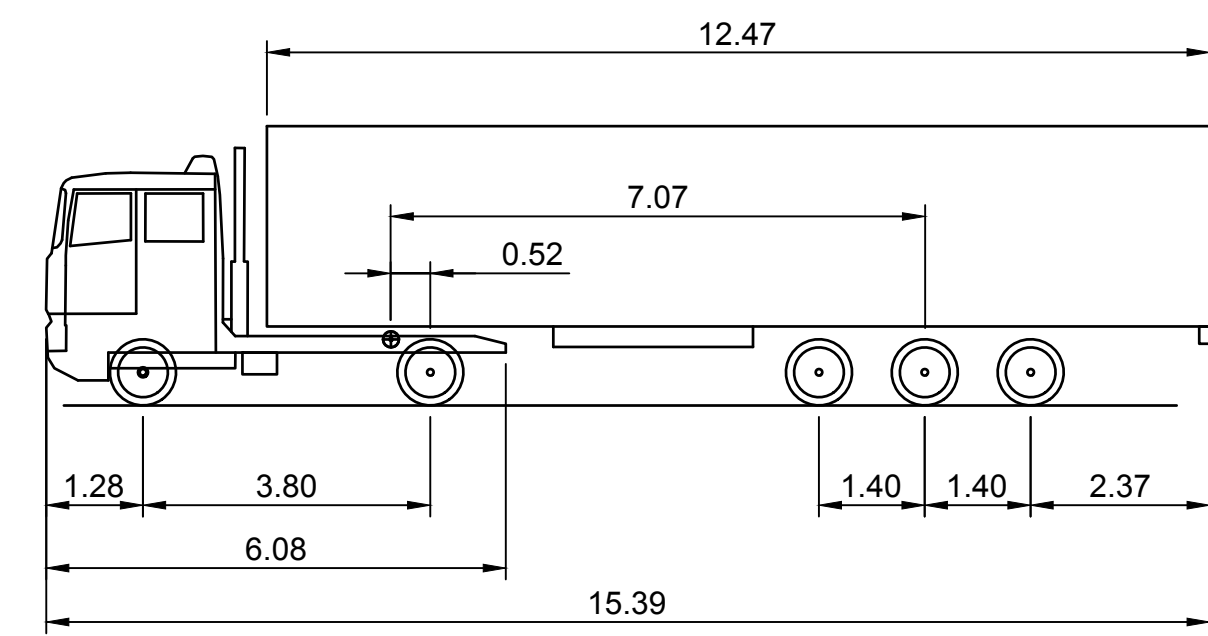
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SÓLIDOS OPT B CON ALMACÉN

Designed by:	R. FIGUEROA	Drawn by:	ELC	Reviewed by:	F. GONZALEZ	Submitted by:	MOFFATT & NICHOL
Date:	2024-08-22	M&A Project No.:	220095-00	Drawing code:		Drawing Scale:	Per scale: 1:1 (Metric D)

2750 LIGHTHOUSE
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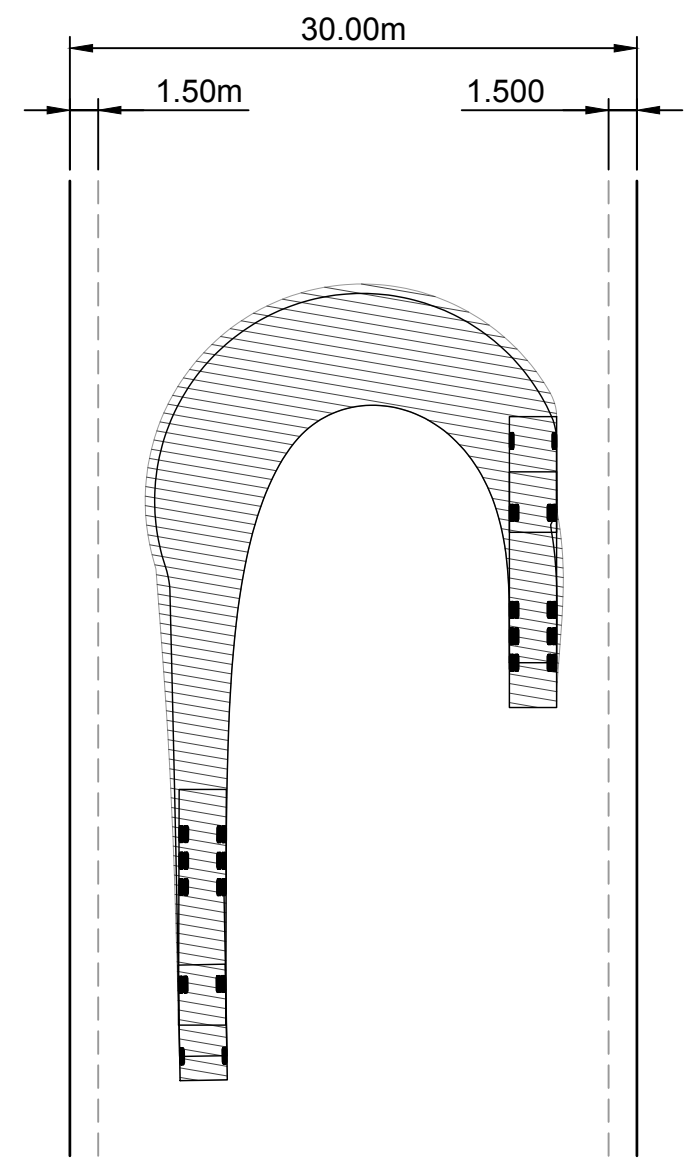
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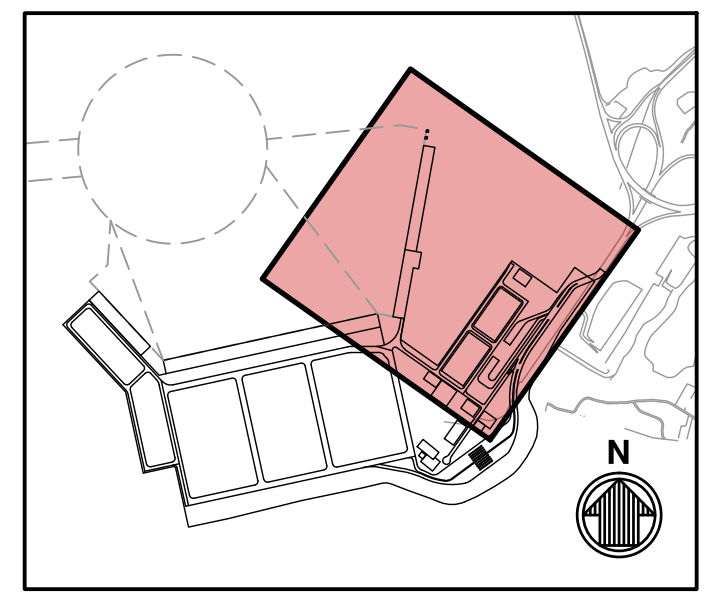
SATELZUG (SZ)	
OVERALL LENGTH	15.390m
OVERALL WIDTH	2.500m
OVERALL BODY HEIGHT	3.695m
MIN BODY GROUND CLEARANCE	0.332m
TRACK WIDTH	2.500m
LOCK-TO-LOCK TIME	4.00S
WALL TO WALL TURNING RADIUS	6.650m

CAMION INTERNO DE DISEÑO
ESCALA: S/E

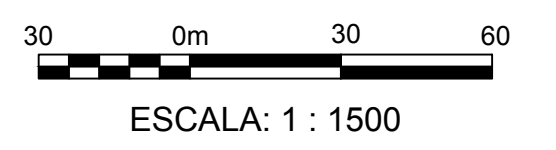


MANIOBRA DE GIRO CAMION INTERNO
ESCALA: S/E

- LEYENDA**
- FLUJO CAMIONES INTERNOS MUELLES GRANELES
 - FLUJO CARGA DE CAMIONES EXTERNOS

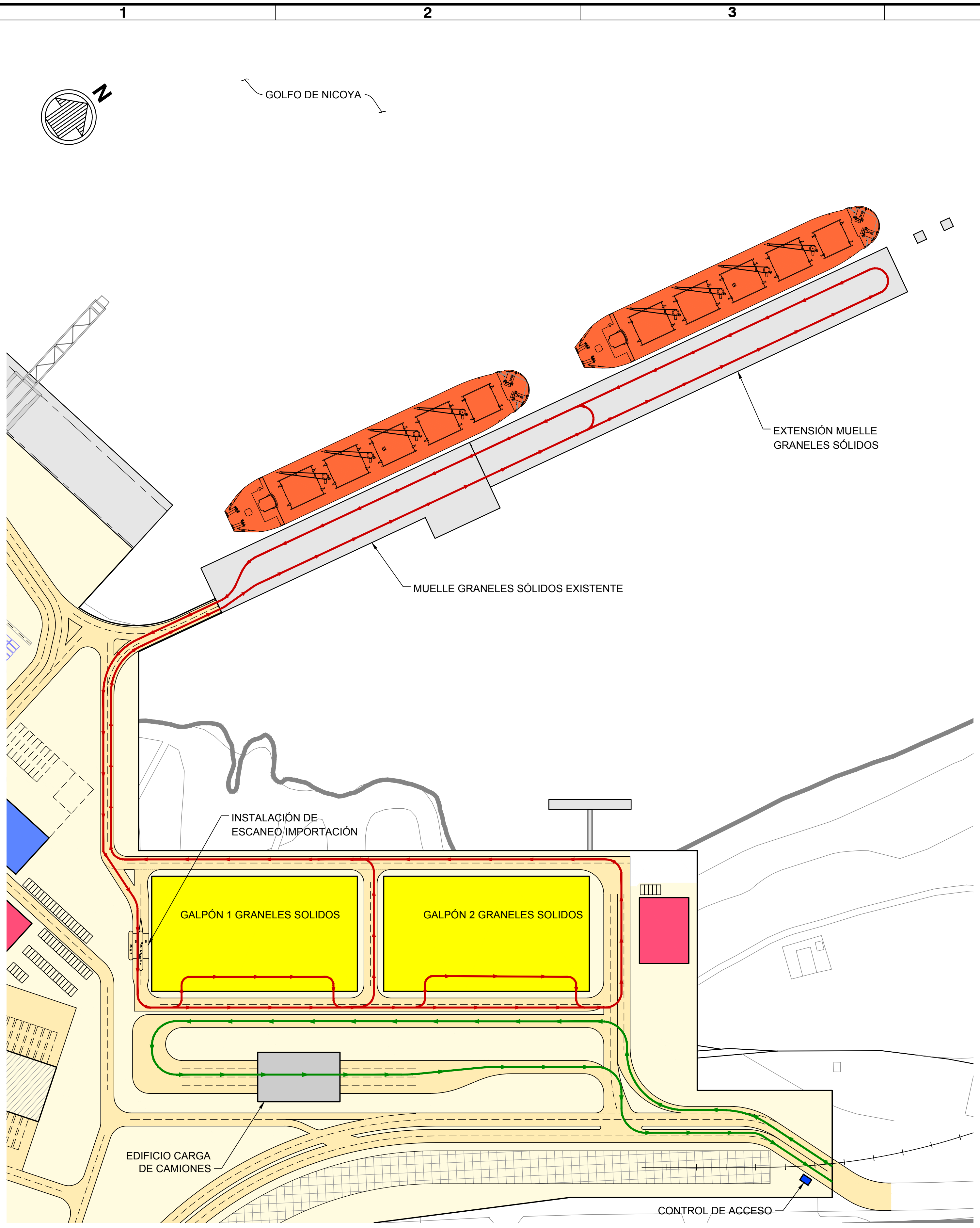


KEY PLAN



ESCALA: 1 : 1500

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PLANTA CIRCULACION CAMIONES GRANELES SOLIDOS
ESCALA: 1:1500

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C	24/02/24	EMITIDO PARA REVISION	ELC	
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A	24/07/24	EMITIDO PARA REVISION	FG	

SELECTION No 1284098
CALDERA PORT PPP PROJECT

PLANTA CONTENEDORES Y CARGA GENERAL FASE 1

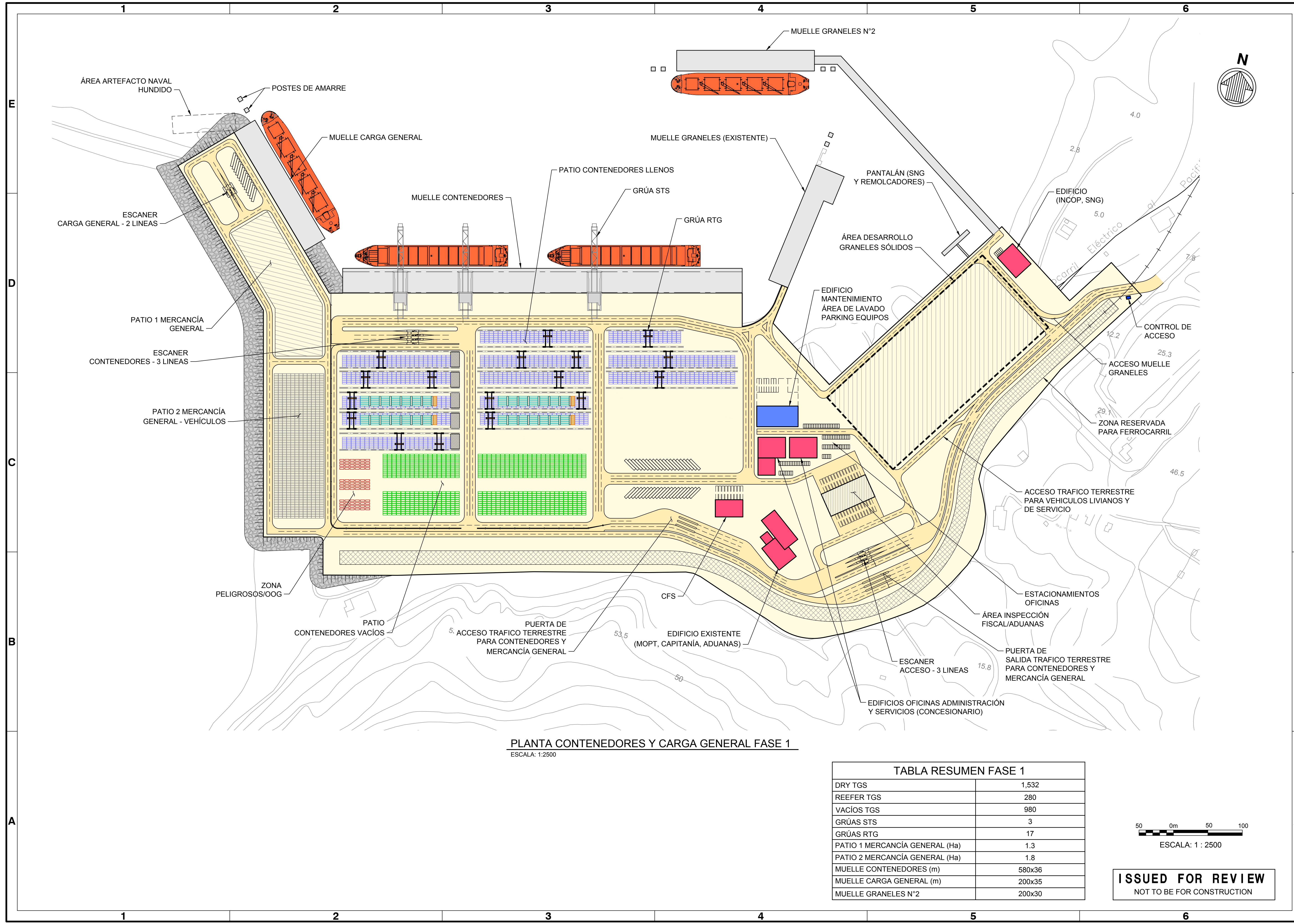
Designed by:	R. FIGUEROA	Drawn by:	REV	Checked by:	ELC	Reviewed by:	F. GONZALEZ	Submitted by:	MOFFATT & NICHOL
Date:	2024-08-22	M&A Project No.:	220095-00	Drawing code:		Drawing Scale:	1:1 (Metric D)		

2750 LIGHTHOUSE
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moffatt & nichol

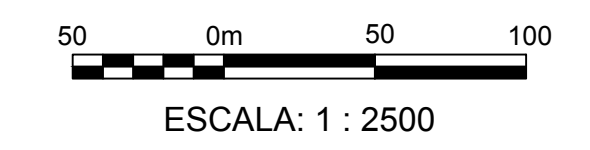
SEAL

Sheet
Reference No.
G-121
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PLANTA CONTENEDORES Y CARGA GENERAL FASE 1
ESCALA: 1:2500

DRY TGS	1,532
REEFER TGS	280
VACÍOS TGS	980
GRÚAS STS	3
GRÚAS RTG	17
PATIO 1 MERCANCÍA GENERAL (Ha)	1.3
PATIO 2 MERCANCÍA GENERAL (Ha)	1.8
MUELLE CONTENEDORES (m)	580x36
MUELLE CARGA GENERAL (m)	200x35
MUELLE GRANELES N°2	200x30



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Mark	Date	Description
A	24/07/24	EMITIDO PARA REVISIÓN
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C	24/08/24	EMITIDO PARA REVISIÓN

SELECTION No 1284098
CALDERA PORT PPP PROJECT

PLANTA CONTENEDORES Y CARGA GENERAL FASE 2

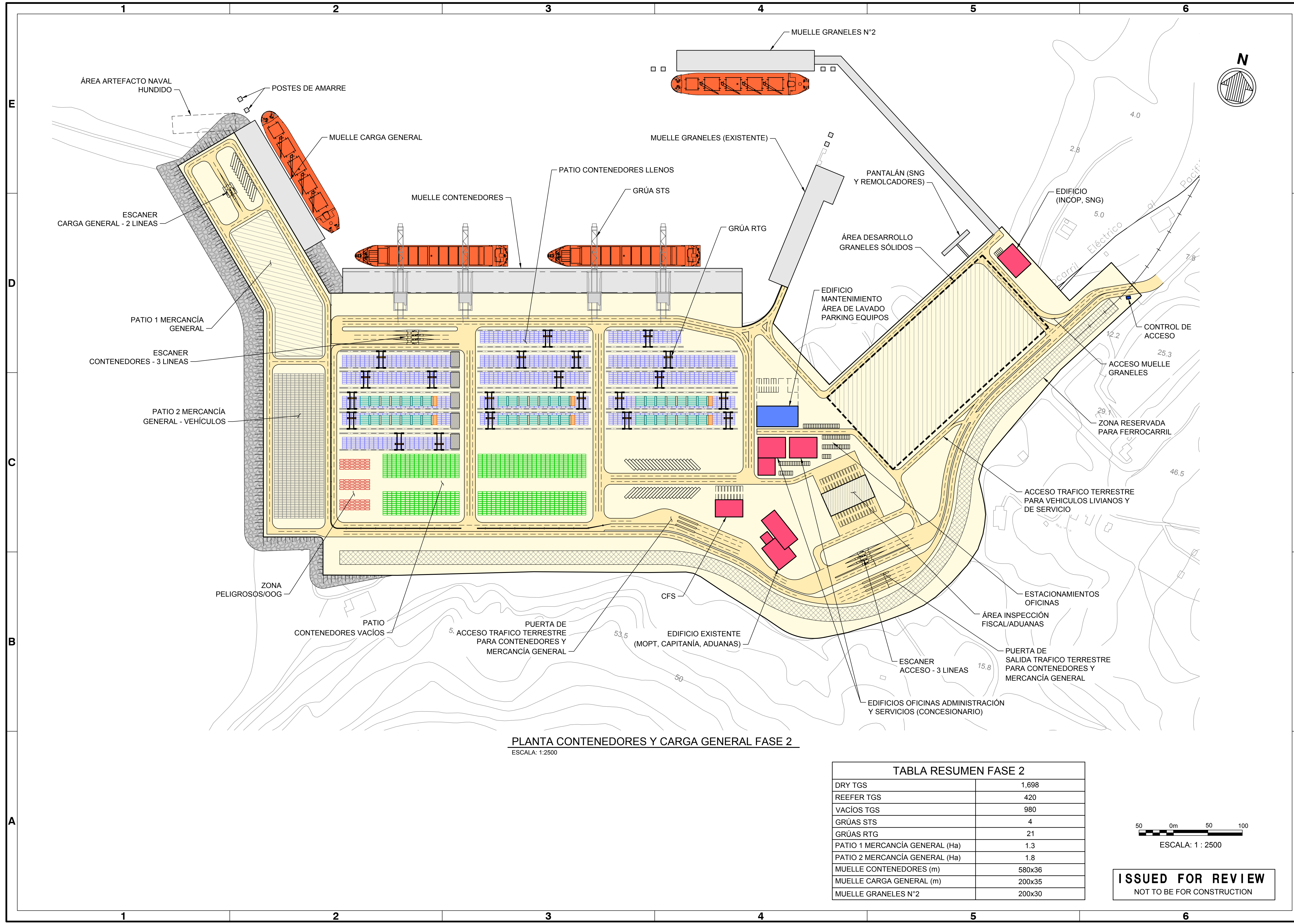
Designed by:	R. FIGUEROA	Date:	2024-08-22	Rev:	C
Drawn by:	REV	MAN Project No.:	220095-00	Drawing code:	
Reviewed by:	F. GONZALEZ	Per scale:	1:1 (Metric D)	Drawing Scale:	
Submitted by:	MOFFATT & NICHOL				

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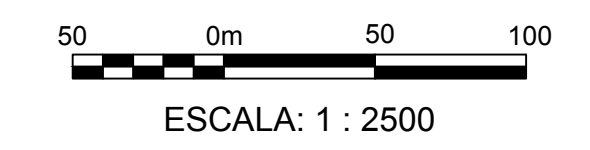
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Reference No.
G-122
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PLANTA CONTENEDORES Y CARGA GENERAL FASE 2
ESCALA: 1:2500

DRY TGS	1,698
REEFER TGS	420
VACÍOS TGS	980
GRÚAS STS	4
GRÚAS RTG	21
PATIO 1 MERCANCÍA GENERAL (Ha)	1.3
PATIO 2 MERCANCÍA GENERAL (Ha)	1.8
MUELLE CONTENEDORES (m)	580x36
MUELLE CARGA GENERAL (m)	200x35
MUELLE GRANELES N°2	200x30



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Mark	Date	Description
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C	24/08/24	EMITIDO PARA REVISION

SELECTION No 1284098
CALDERA PORT PPP PROJECT

PLANTA CONTENEDORES Y CARGA GENERAL FASE 3

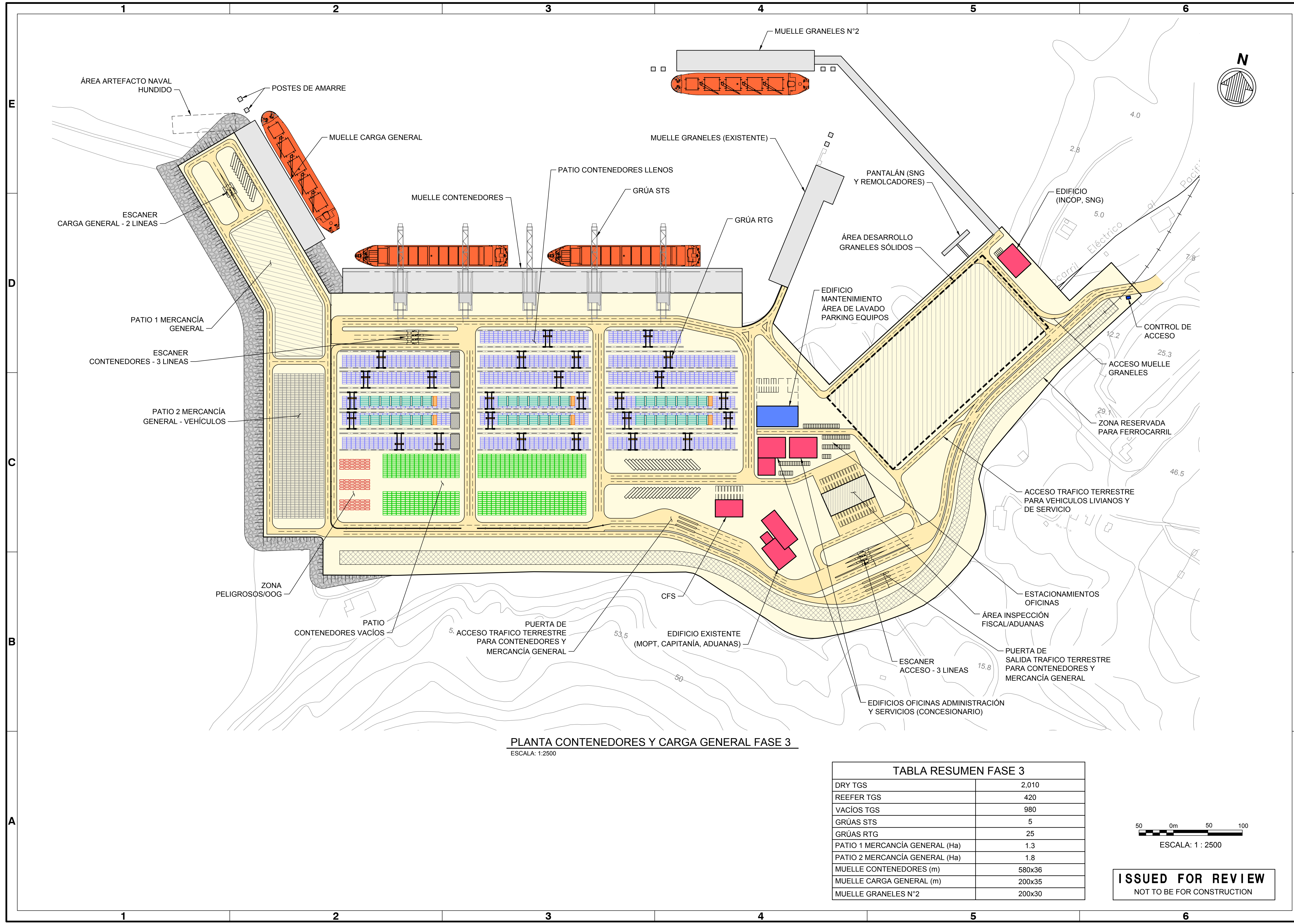
Designed by:	R. FIGUEROA	Date:	2024-08-22	Rev:	C
Drawn by:	REV	MAN Project No.:	220095-00		
Reviewed by:	F. GONZALEZ	Drawn code:			
Submitted by:	MOFFATT & NICHOL	Per scale:	1:1 (Metric D)		

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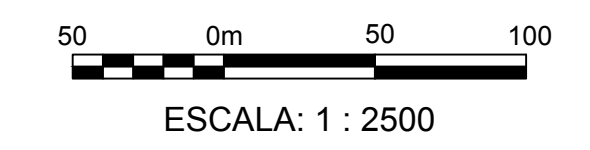
SEAL

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Reference No.
G-123
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PLANTA CONTENEDORES Y CARGA GENERAL FASE 3
ESCALA: 1:2500

DRY TGS	2,010
REEFER TGS	420
VACÍOS TGS	980
GRÚAS STS	5
GRÚAS RTG	25
PATIO 1 MERCANCÍA GENERAL (Ha)	1.3
PATIO 2 MERCANCÍA GENERAL (Ha)	1.8
MUELLE CONTENEDORES (m)	580x36
MUELLE CARGA GENERAL (m)	200x35
MUELLE GRANELES N°2	200x30



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Rev.	Date	By	Appr.
C	24/02/24	ELC	FG
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A	24/07/24	ELC	FG

SELECTION No 1284098
CALDERA PORT PPP PROJECT

PLANTA GRANELES SÓLIDOS
MECANIZADO

Designed by:	R. FIGUEROA	Drawn by:	ELC	Reviewed by:	F. GONZALEZ	Submitted by:	MOFFATT & NICHOL
Date:	2024-08-22	M&A Project No.:	220095-00	Drawing code:		Drawing Scale:	1:1 (Metric D)

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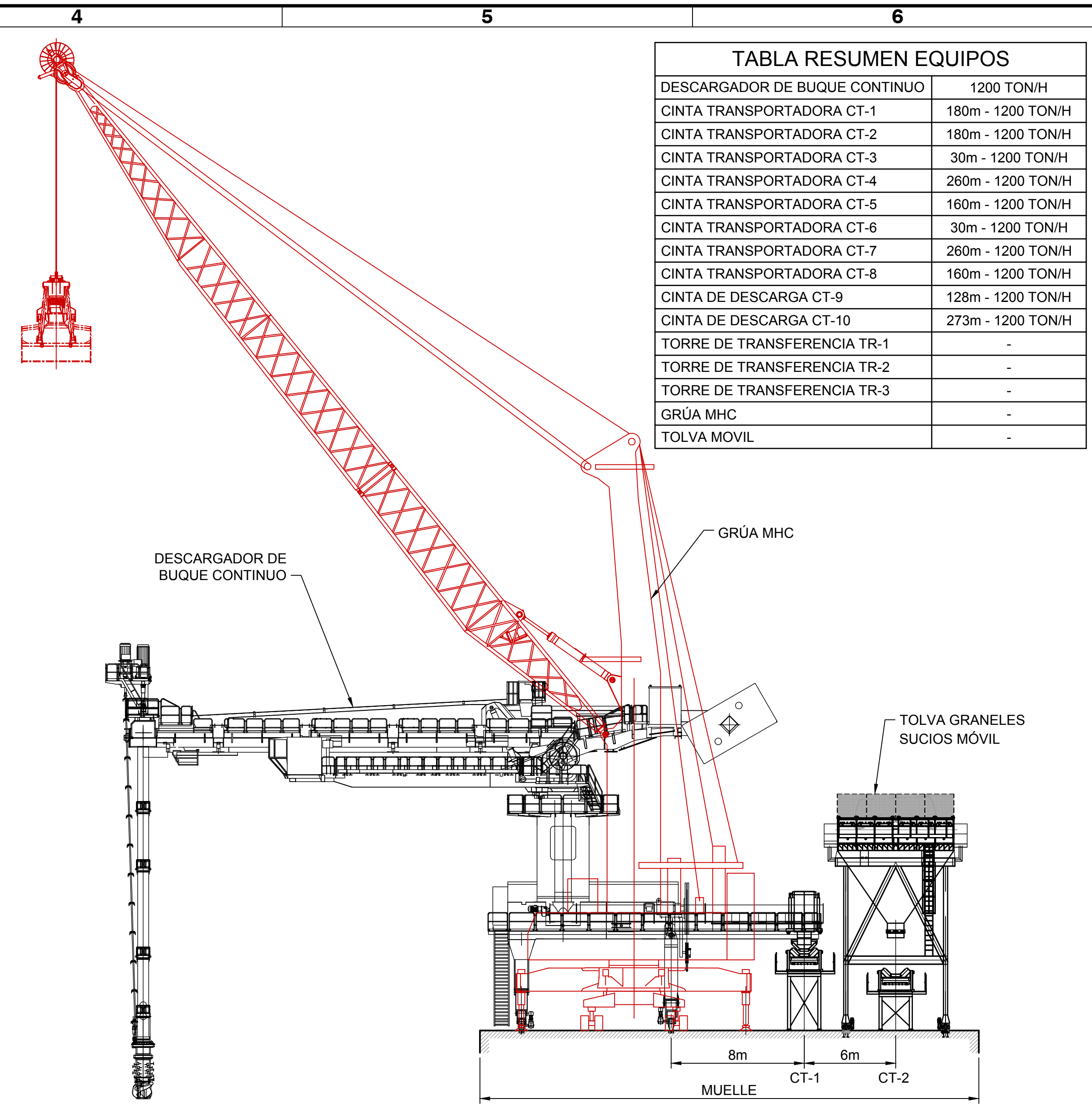
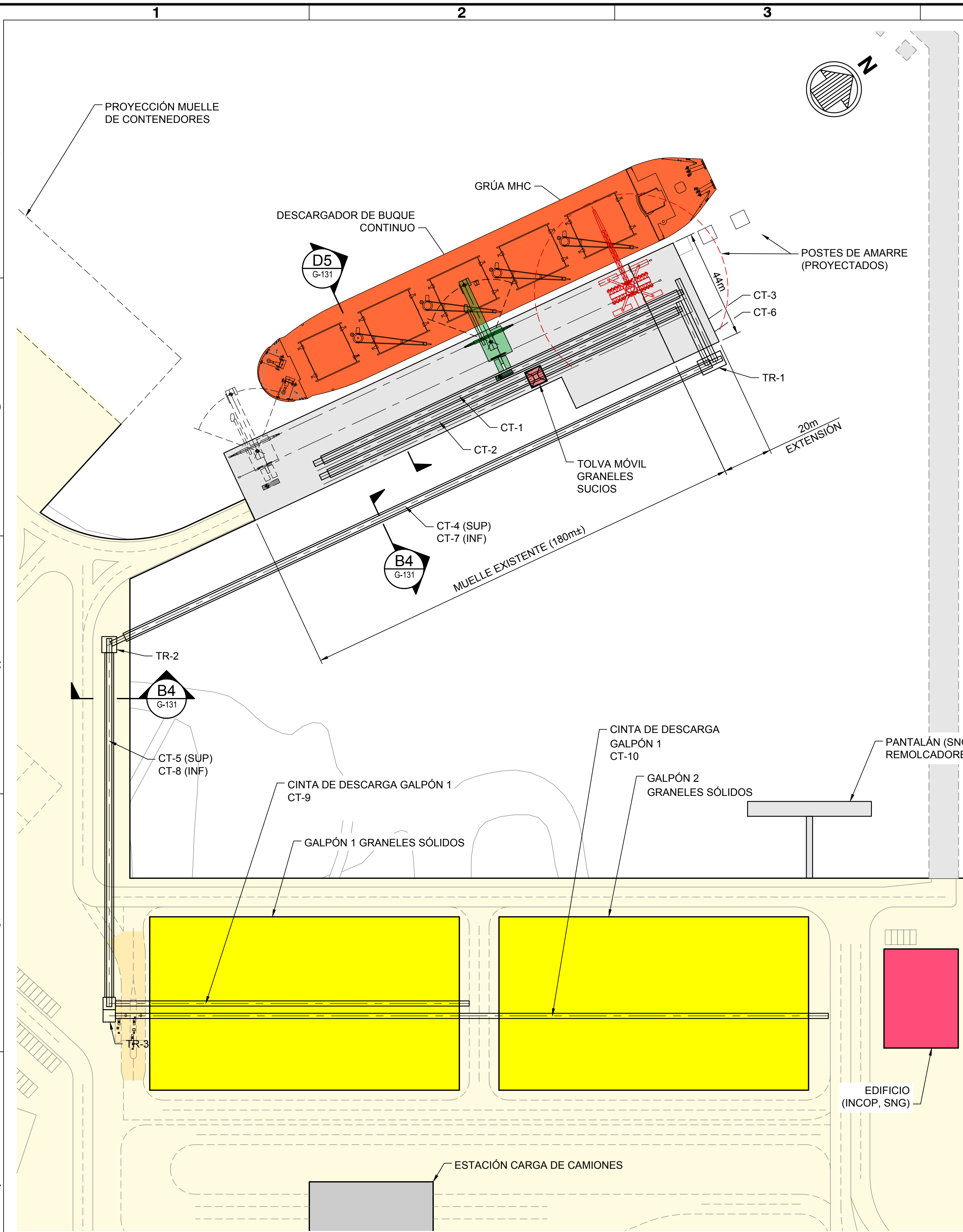
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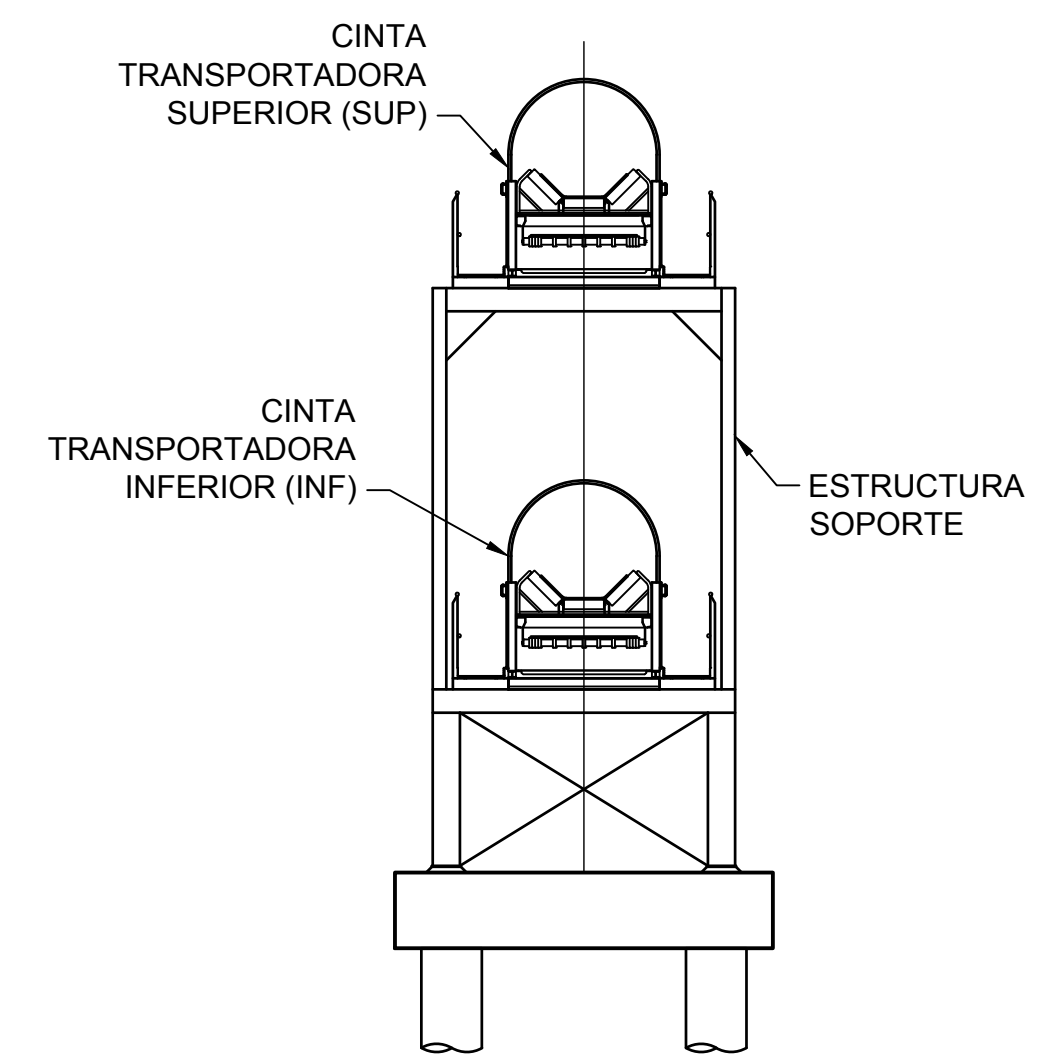
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TABLA RESUMEN EQUIPOS

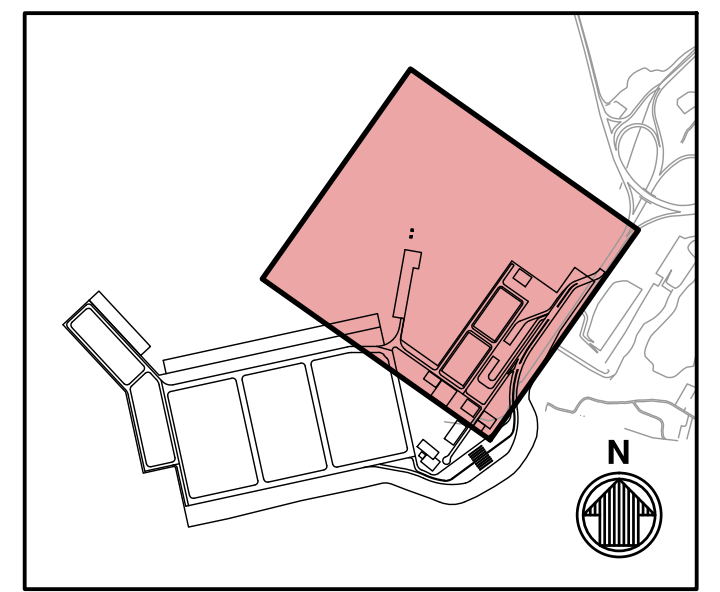
DESCARGADOR DE BUQUE CONTINUO	1200 TON/H
CINTA TRANSPORTADORA CT-1	180m - 1200 TON/H
CINTA TRANSPORTADORA CT-2	180m - 1200 TON/H
CINTA TRANSPORTADORA CT-3	30m - 1200 TON/H
CINTA TRANSPORTADORA CT-4	260m - 1200 TON/H
CINTA TRANSPORTADORA CT-5	160m - 1200 TON/H
CINTA TRANSPORTADORA CT-6	30m - 1200 TON/H
CINTA TRANSPORTADORA CT-7	260m - 1200 TON/H
CINTA TRANSPORTADORA CT-8	160m - 1200 TON/H
CINTA DE DESCARGA CT-9	128m - 1200 TON/H
CINTA DE DESCARGA CT-10	273m - 1200 TON/H
TORRE DE TRANSFERENCIA TR-1	-
TORRE DE TRANSFERENCIA TR-2	-
TORRE DE TRANSFERENCIA TR-3	-
GRÚA MHC	-
TOLVA MÓVIL	-



D5 SECCIÓN DESCARGADOR
ESCALA: SIN ESCALA



B4 SECCIÓN TÍPICA CINTAS
ESCALA: SIN ESCALA



ESCALA: 1 : 1000

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PLANTA MECANIZADO GRANELES SÓLIDOS MUELLE EXISTENTE
ESCALA: 1:1000

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C	24/02/24	EMITIDO PARA REVISION	ELC	
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A	24/07/24	EMITIDO PARA REVISION	FG	

SELECTION No 1284098
CALDERA PORT PPP PROJECT

PLANTA GRANELES SÓLIDOS - OPT
A

Designed by:	R. FIGUEROA	Date:	2024-08-22	Rev.	C
Drawn by:	REV	MMN Project No.:	220095-00		
Checked by:	ELC	Drawing code:			
Reviewed by:	F. GONZALEZ	Per scale:	1:1 (Metric D)		
Submitted by:	MOFFATT & NICHOL	Drawing Scale:			

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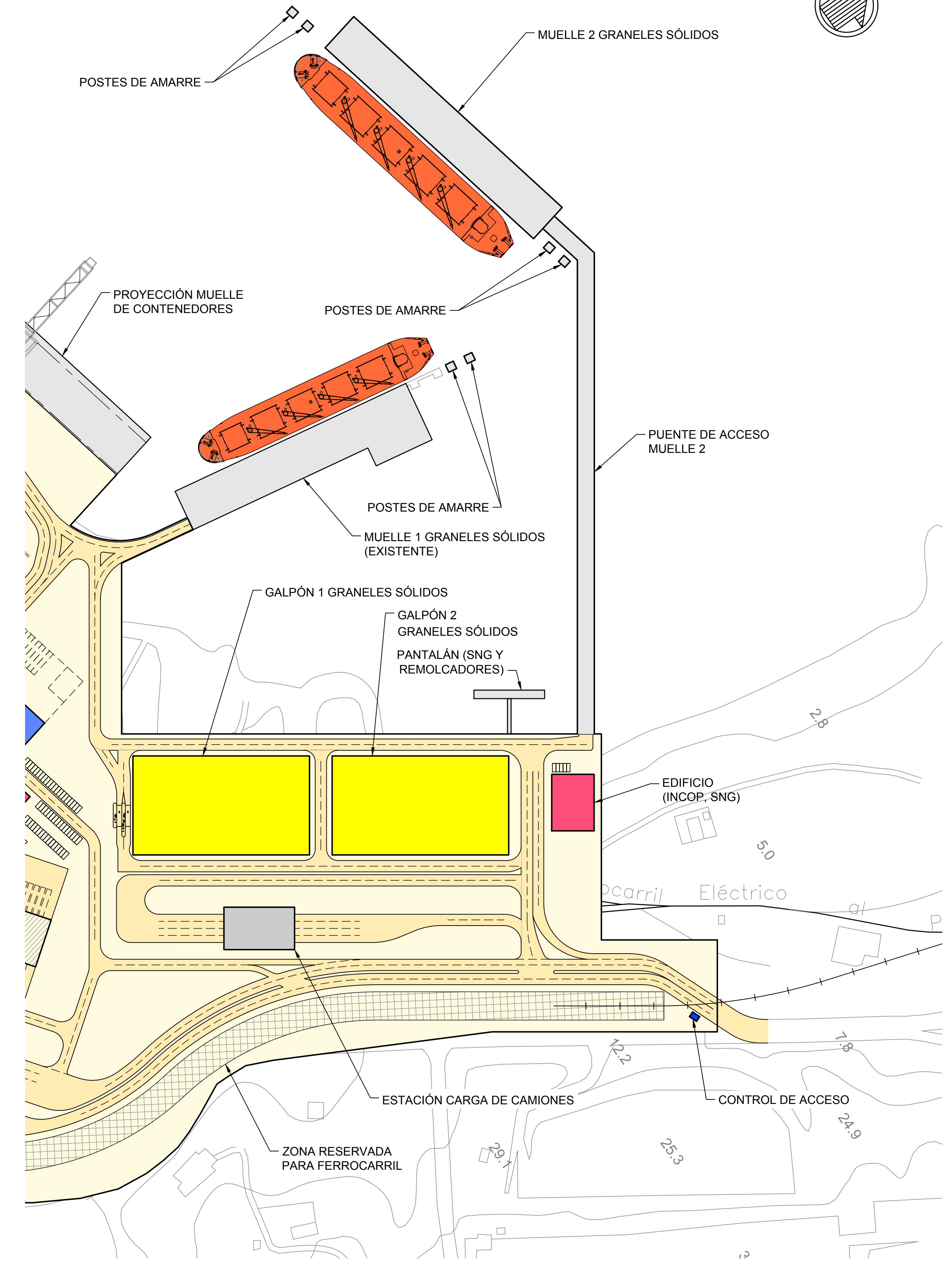
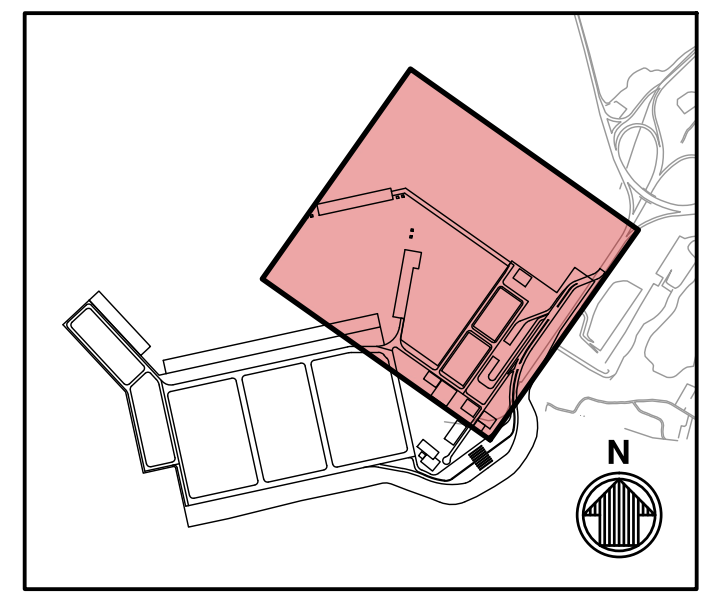
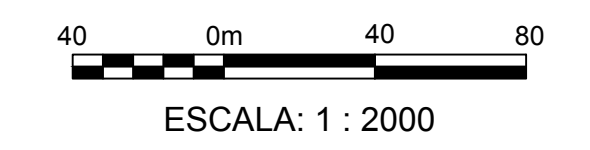


TABLA RESUMEN - OPT A

GALPÓN 1 (m)	125x70
GALPÓN 2 (m)	125x70
ESTACIÓN DE CARGA CAMIONES	1
MUELLE 2 GRANELES SÓLIDOS (m)	200x30
PUENTE DE ACCESO MUELLE (m)	380x12



KEY PLAN



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PLANTA GRANELES SÓLIDOS - OPT A
ESCALA: 1:2000

Mark	Description	Date	Appr
C	EMITIDO PARA REVISION	24/02/24	ELC
B	EMITIDO PARA REVISION	24/07/23	ELC
A	EMITIDO PARA REVISION	24/07/24	FG

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CALDERA PORT PPP PROJECT

PLANTA GRANELES SÓLIDOS - OPT B

Designed by:	R. FIGUEROA	Date:	2024-08-22	Rev:	C
Drawn by:	REV	MAN Project No.:	220095-00		
Checked by:	ELC	Drawing code:			
Reviewed by:	F. GONZALEZ	Per scale:	1:1 (Metric D)		
Submitted by:	MOFFATT & NICHOL				

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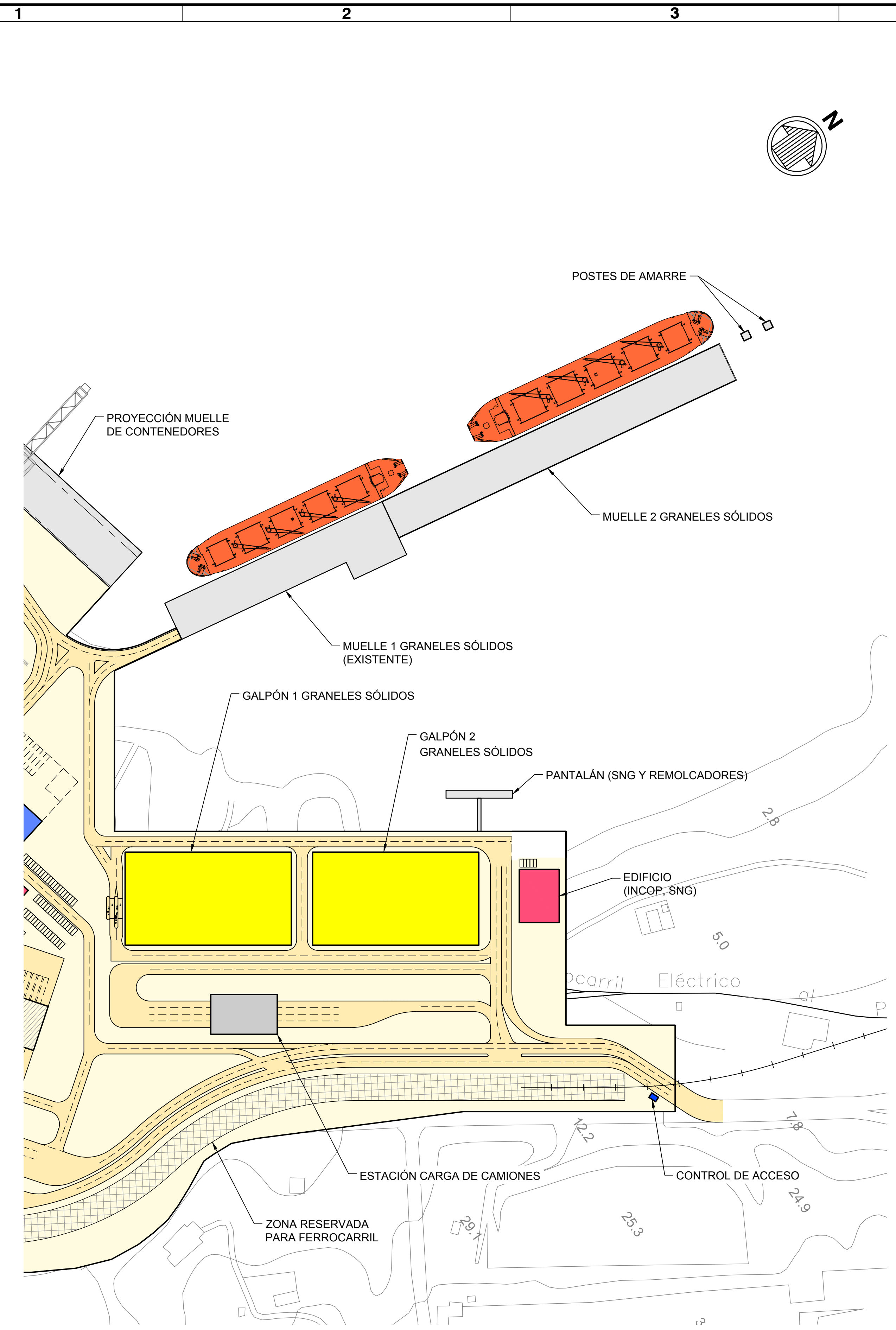
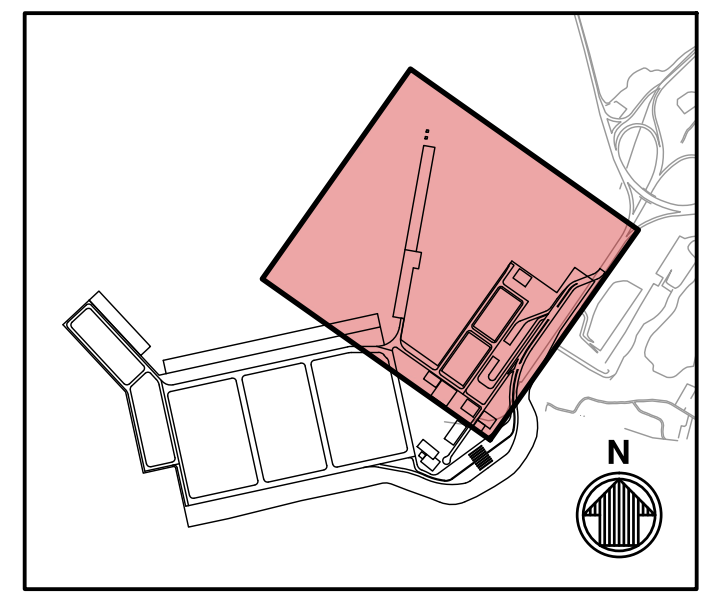
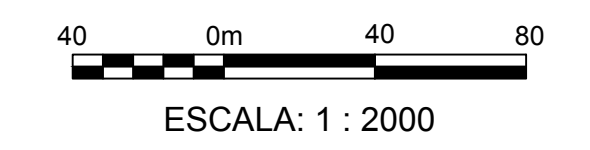


TABLA RESUMEN - OPT B

GALPÓN 1 (m)	125x70
GALPÓN 2 (m)	125x70
ESTACIÓN DE CARGA CAMIONES	1
MUELLE 2 GRANELES SÓLIDOS (m)	280x30



KEY PLAN



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PLANTA GRANELES SÓLIDOS - OPT B
ESCALA: 1:2000



PLANTA TRAMPA DE ARENA
ESCALA: 1:3000

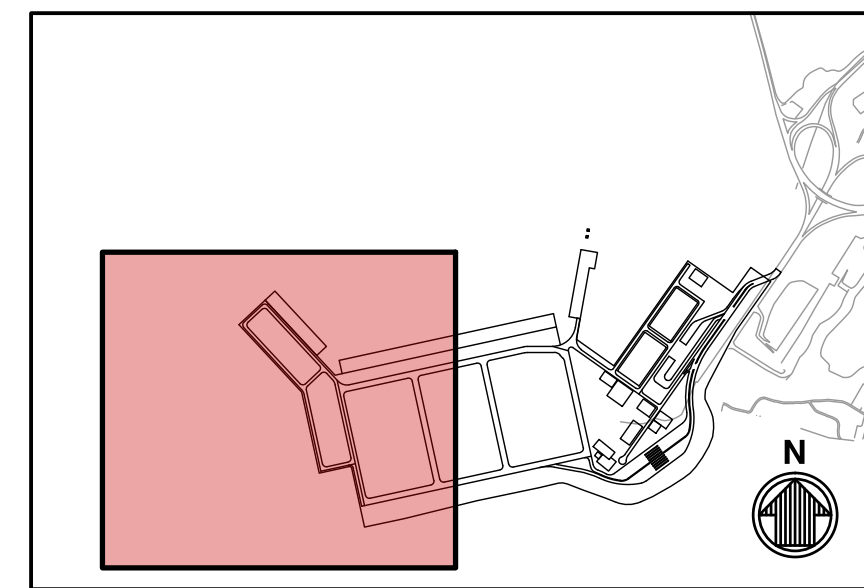
TABLA VERTICES TRAMPA DE ARENA			
VERTICE	ELEVACIÓN (m)	NORTE	ESTE
V1	-14.5	1095774.63	420556.07
V2	-14.5	1096169.78	420329.59
V3	-14.5	1096103.83	420092.94
V4	-14.5	1095635.77	420309.39

DIMENSIONES TRAMPA DE ARENA	
LADO	LARGO (m)
V1-V2	455
V2-V3	246
V3-V4	516
V4-V1	283

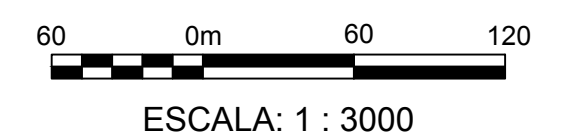
AREA TRAMPA DE ARENA: 12,70 Ha
VOLUMEN TRAMPA DE ARENA: 800,000m3

NOTAS:

- COORDENADAS EN METROS (m), DATUM WGS84 CRTM05, COSTA RICA.
- ELEVACIONES EN METROS (m), REFERIDOS AL NIVEL DE MAREA BAJA DE SICIGIAS (NMBS).
- POLÍGONO DE DRAGADO ES REFERENCIAL Y DEBE SER RECTIFICADO EN ETAPAS POSTERIORES CON UNA BATIMETRÍA DETALLADA.



KEY PLAN



ESCALA: 1 : 3000

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C	24/02/24	EMITIDO PARA REVISIÓN ELC
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A	24/07/24	EMITIDO PARA REVISIÓN FG

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PLANTA TRAMPA DE ARENA

Designed by: R. FIGUEROA	Date: 2024-08-22	Rev. C
Drawn by: REV	MAN Project No. 220095-00	
Reviewed by: F. GONZALEZ	Drawing code:	
Submitted by: MOFFATT & NICHOL	Drawing Scale: 1:1 (Metric D)	

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