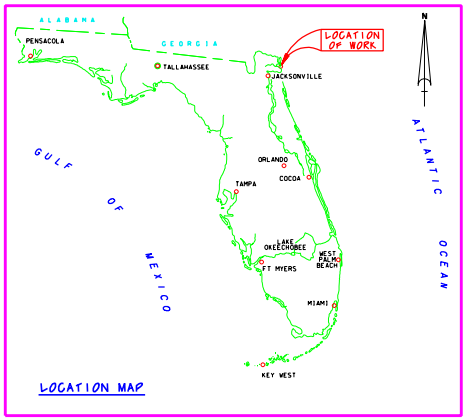
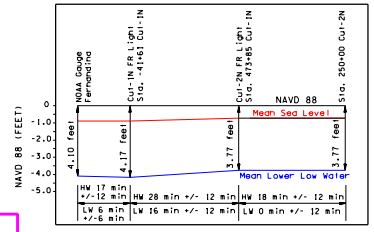
KINGS BAY ENTRANCE CHANNEL
PROJECT CONDITION SURVEY/
FINAL AFTER-DREDGE



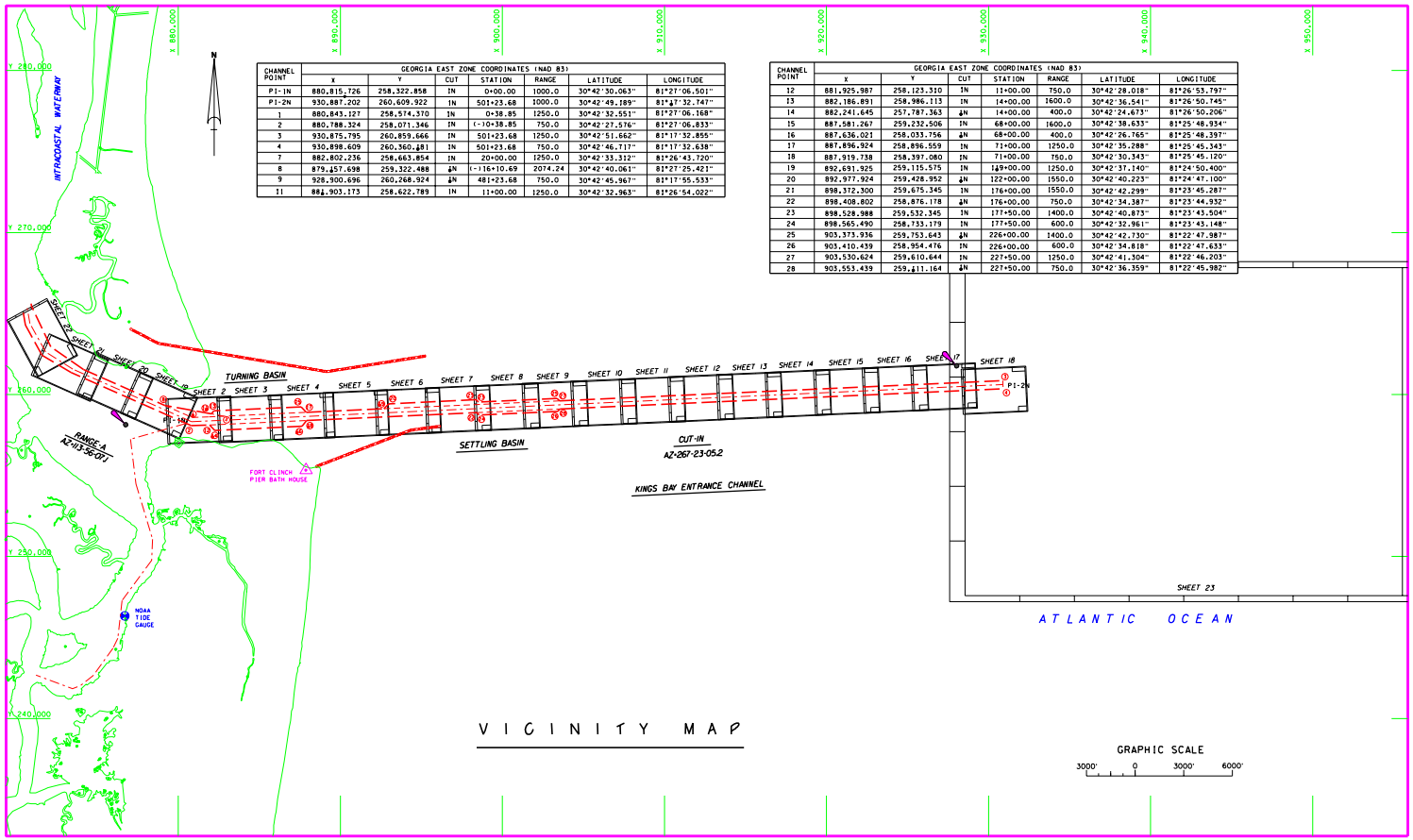
LOCATION MAP



TIDAL DATUM DIAGRAM
KINGS BAY ENTRANCE CHANNEL

CHANNEL POINT	GEORGIA EAST ZONE COORDINATES (NAD 83)						
	X	Y	CUT	STATION	RANGE	LATITUDE	LONGITUDE
P1-1N	880,815.726	258,322.858	IN	0+00.00	1000.0	30°42'30.063"	81°27'06.501"
P1-2N	930,887.202	260,609.922	IN	501+23.68	1000.0	30°42'49.189"	81°27'32.747"
1	880,843.127	258,574.370	IN	0+38.85	1250.0	30°42'32.551"	81°27'06.168"
2	880,788.324	258,071.346	IN	(-)0+38.85	750.0	30°42'27.576"	81°27'06.833"
3	930,875.795	260,859.666	IN	501+23.68	1250.0	30°42'51.662"	81°17'32.855"
4	930,898.609	260,360.481	IN	501+23.68	750.0	30°42'46.717"	81°17'32.638"
7	882,802.236	258,663.854	IN	20+00.00	1250.0	30°42'33.312"	81°26'43.720"
8	879,457.698	259,322.488	4N	(-)16+10.69	2074.24	30°42'40.061"	81°27'25.421"
9	928,900.696	260,268.924	4N	481+23.68	750.0	30°42'45.967"	81°17'55.533"
11	884,903.173	258,622.789	IN	11+00.00	1250.0	30°42'32.963"	81°26'54.022"

CHANNEL POINT	GEORGIA EAST ZONE COORDINATES (NAD 83)						
	X	Y	CUT	STATION	RANGE	LATITUDE	LONGITUDE
12	881,925.987	258,123.310	IN	11+00.00	750.0	30°42'28.018"	81°26'53.797"
13	882,186.891	258,986.113	IN	14+00.00	1600.0	30°42'36.541"	81°26'50.745"
14	882,241.645	257,787.363	4N	14+00.00	400.0	30°42'24.673"	81°26'50.206"
15	887,581.267	259,232.506	IN	68+00.00	1600.0	30°42'38.633"	81°25'48.934"
16	887,636.021	258,033.756	4N	68+00.00	400.0	30°42'26.765"	81°25'48.397"
17	887,896.924	258,896.559	IN	71+00.00	1250.0	30°42'35.288"	81°25'45.343"
18	887,919.738	258,397.080	IN	71+00.00	750.0	30°42'30.343"	81°25'45.120"
19	892,691.925	259,115.575	IN	149+00.00	1250.0	30°42'37.140"	81°24'50.400"
20	892,977.924	259,428.952	4N	122+00.00	1550.0	30°42'40.223"	81°24'47.100"
21	898,372.300	259,675.345	IN	176+00.00	1550.0	30°42'42.299"	81°23'45.287"
22	898,408.802	258,876.178	4N	176+00.00	750.0	30°42'34.387"	81°23'44.932"
23	898,528.988	259,532.345	IN	177+50.00	1400.0	30°42'40.873"	81°23'43.504"
24	898,565.490	258,733.179	IN	177+50.00	600.0	30°42'32.961"	81°23'43.148"
25	903,373.936	259,753.643	4N	226+00.00	1400.0	30°42'42.730"	81°22'47.987"
26	903,410.439	258,954.476	IN	226+00.00	600.0	30°42'34.818"	81°22'47.633"
27	903,530.624	259,610.644	IN	227+50.00	1250.0	30°42'41.304"	81°22'46.203"
28	903,553.439	259,411.164	4N	227+50.00	750.0	30°42'36.359"	81°22'45.982"



V I C I N I T Y M A P

GRAPHIC SCALE
3000' 0 3000' 6000'

SURVEY NOTES:

1. REFER TO SURVEY NO. 04-062. THIS SURVEY IS A COMPILATION OF SURVEYS 04-051 AND 04-055.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW). REFER TO TABLE SHOWN FOR DIFFERENCES FROM THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE OBTAINED DIRECTLY BY COASTAL OCEANOGRAPHICS "HYPACK" SOFTWARE, USING RTK GPS FOR REAL-TIME WATER LEVELS.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF GEORGIA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS FOR POSITIONING WITH THE REFERENCE SITE AT "BATH HOUSE". VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATES OF SURVEY	CUT
FLORIDA	12, 17-19 MAR 2004	CUT-IN

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.

LEGEND	
•BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Dwg. No. DACW17-XX-X-XXXX
Dataset XX XXX XXXX
Scale: AS SHOWN
Plot date: XX-XX-XXXX
Plot scale: 1:X.X

Designed by: Drawn by: BRW
Cost by: BRW

Dated: MAR 2004
D.O.F. FILE NO.

File name: F062SH01.DGN
Reference files: LIBTYPE.DGN LIBTYPE2.DGN NEWCHANS.DGN NEWFLIMT.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

PROJECT CONDITION SURVEY
49-FOOT PROJECT

INDEX, LOCATION & VICINITY MAP

DRAWING NO.
1/18

SHEET 1 OF 23

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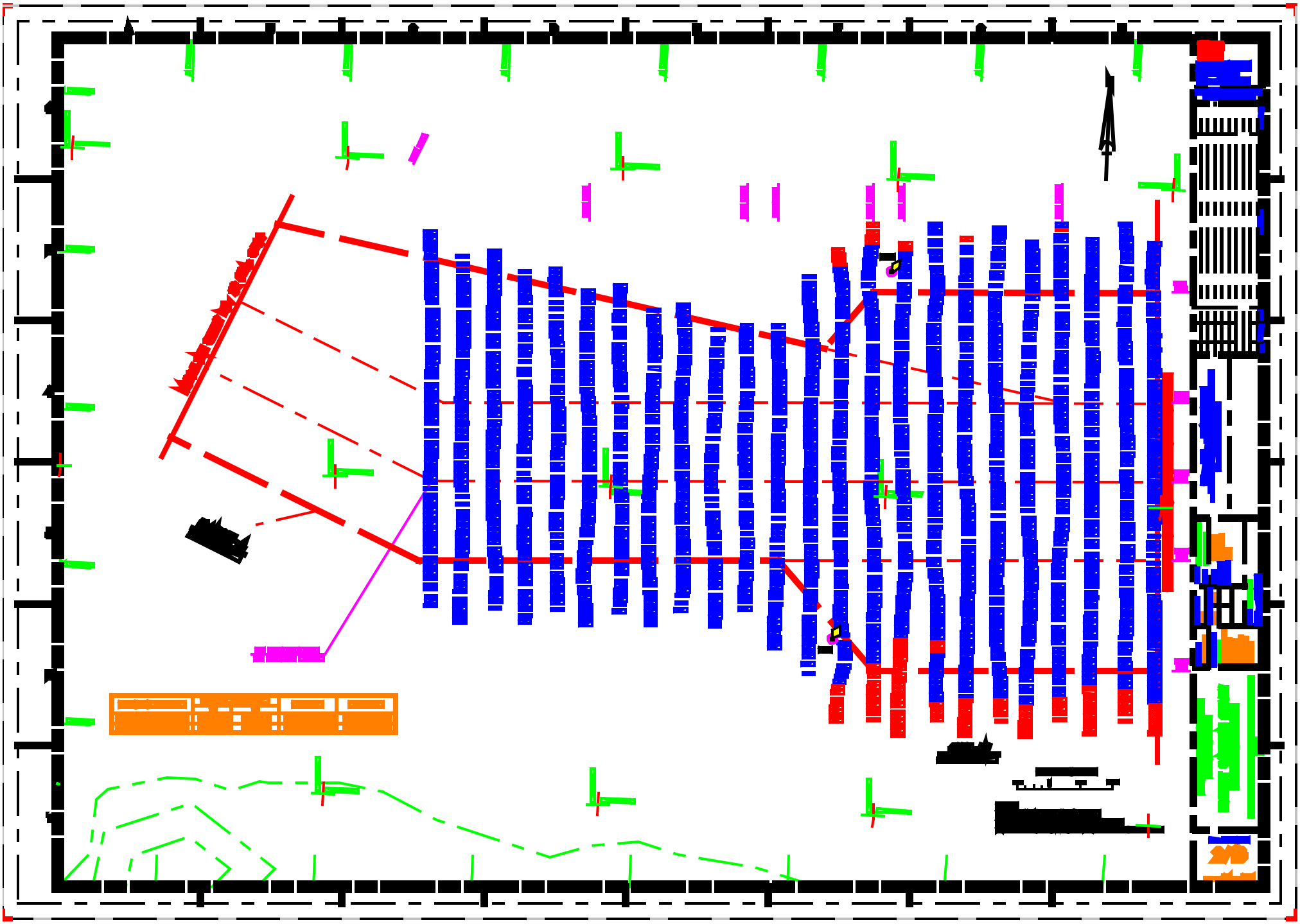

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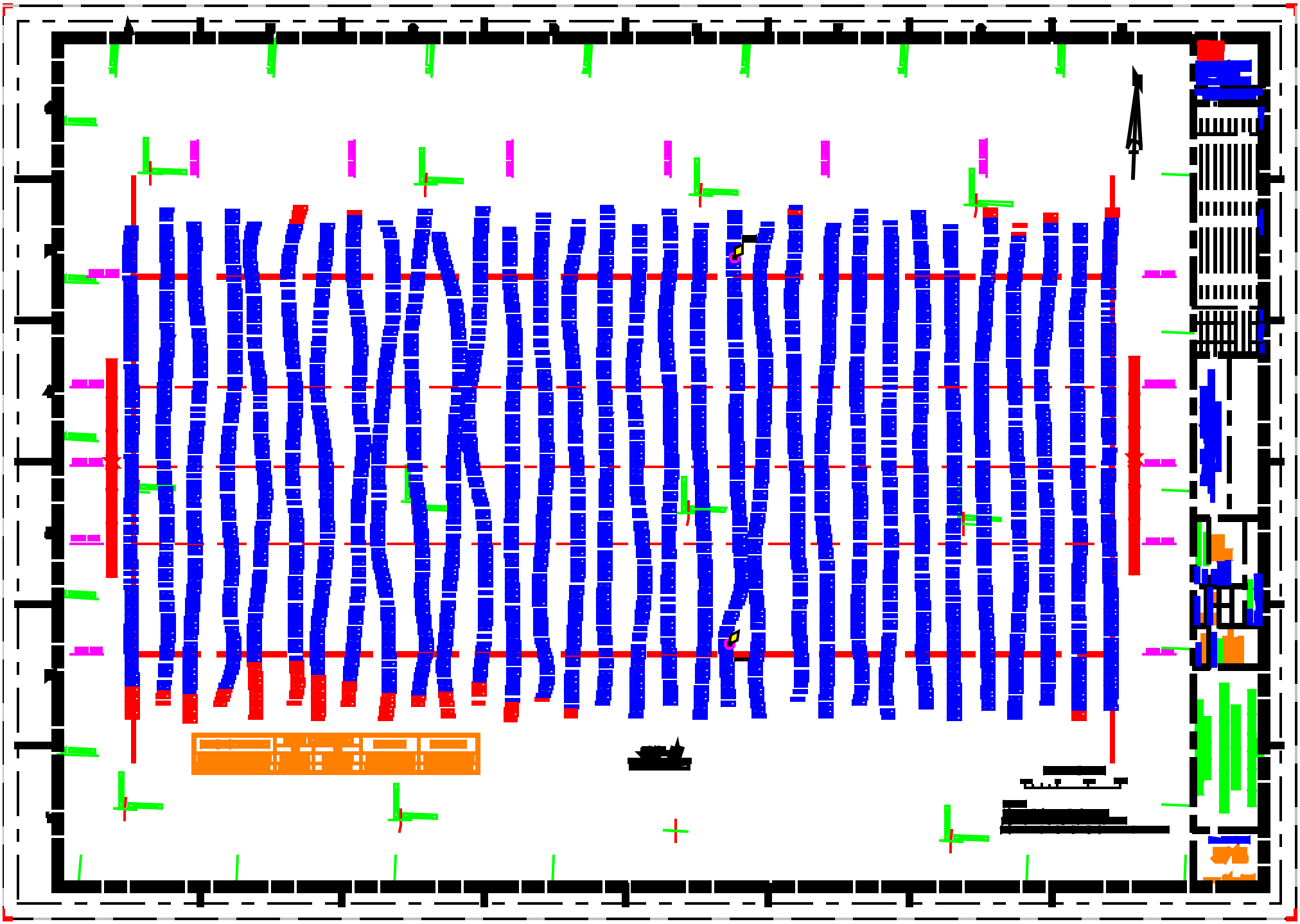

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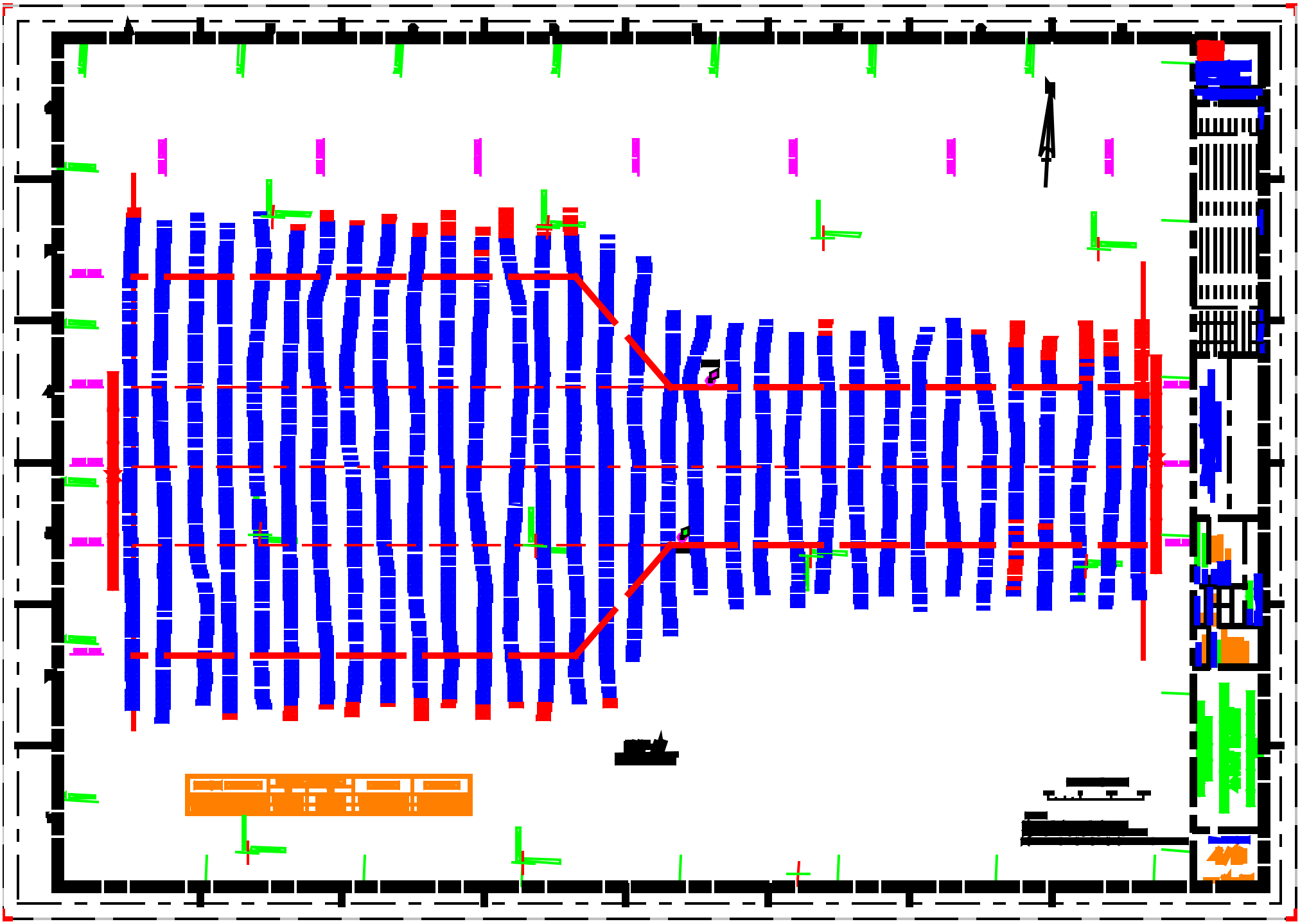

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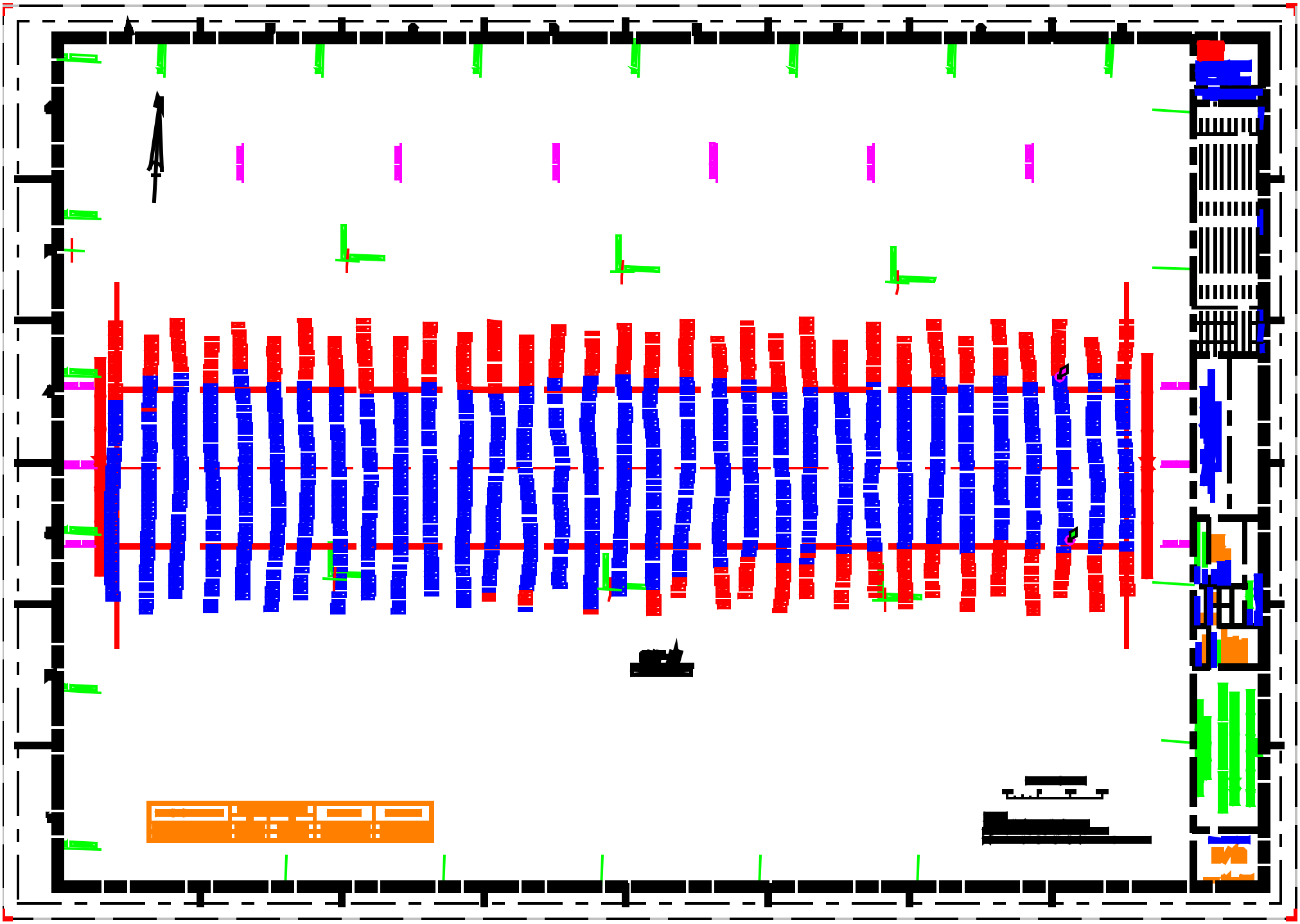

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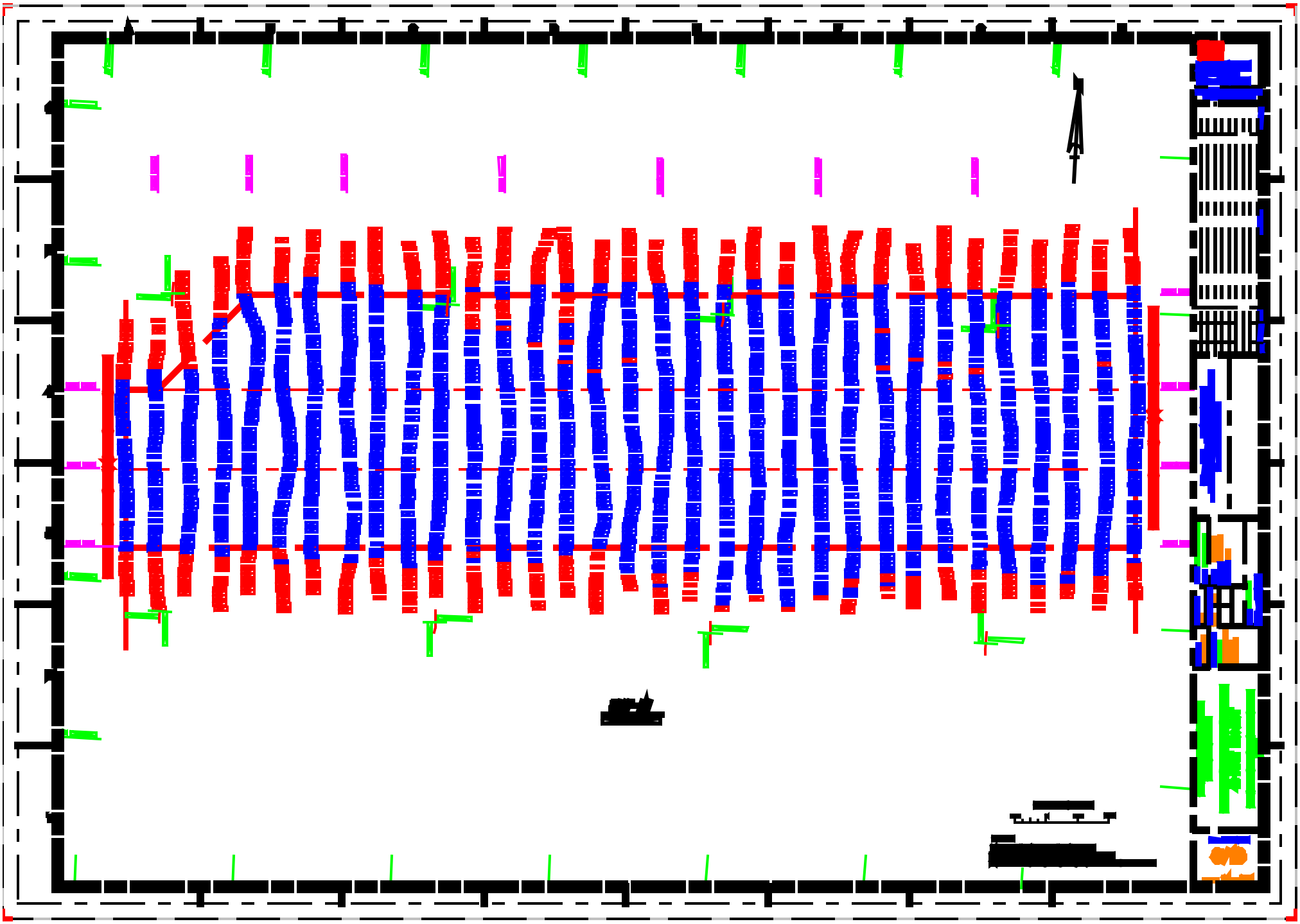

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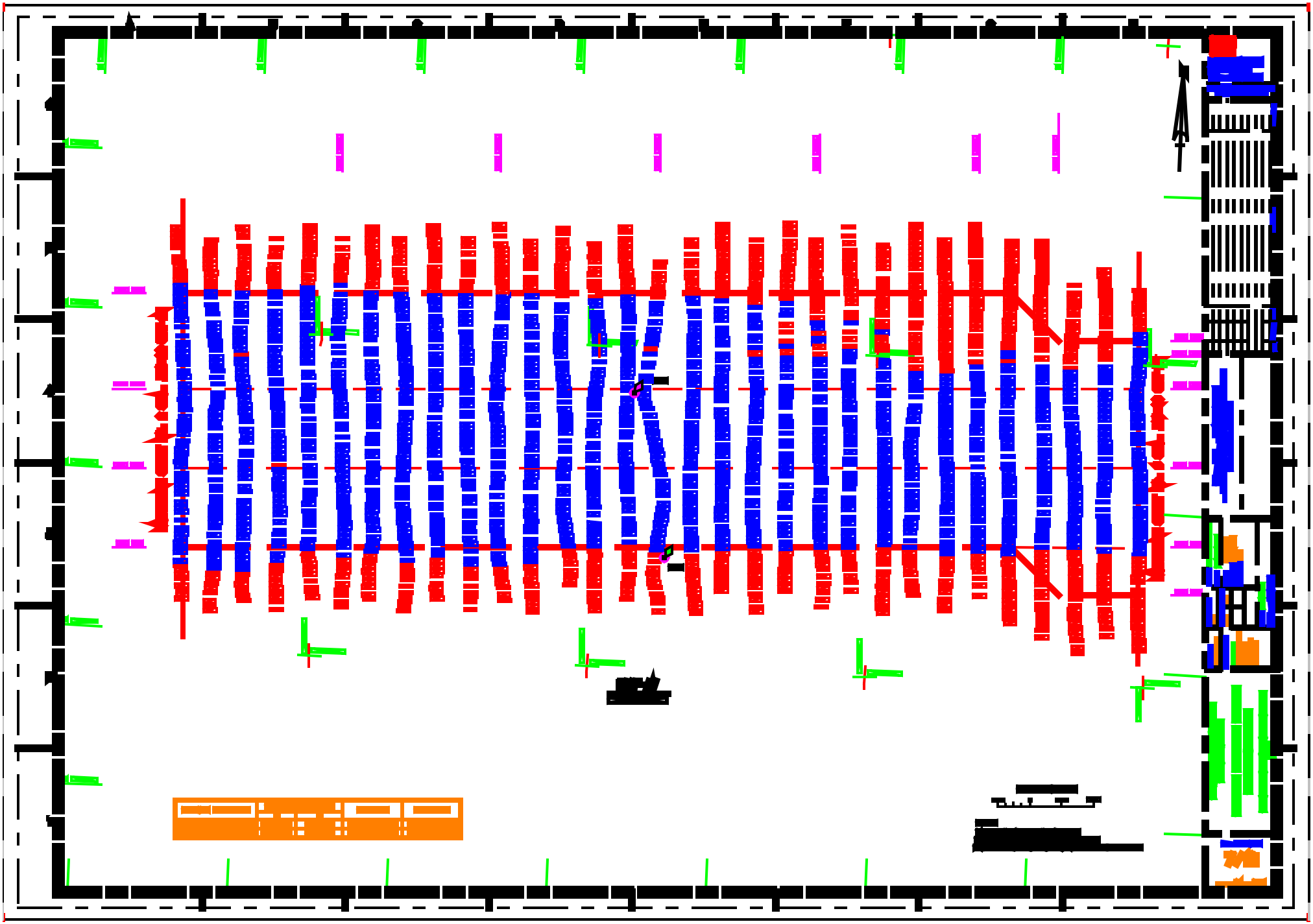

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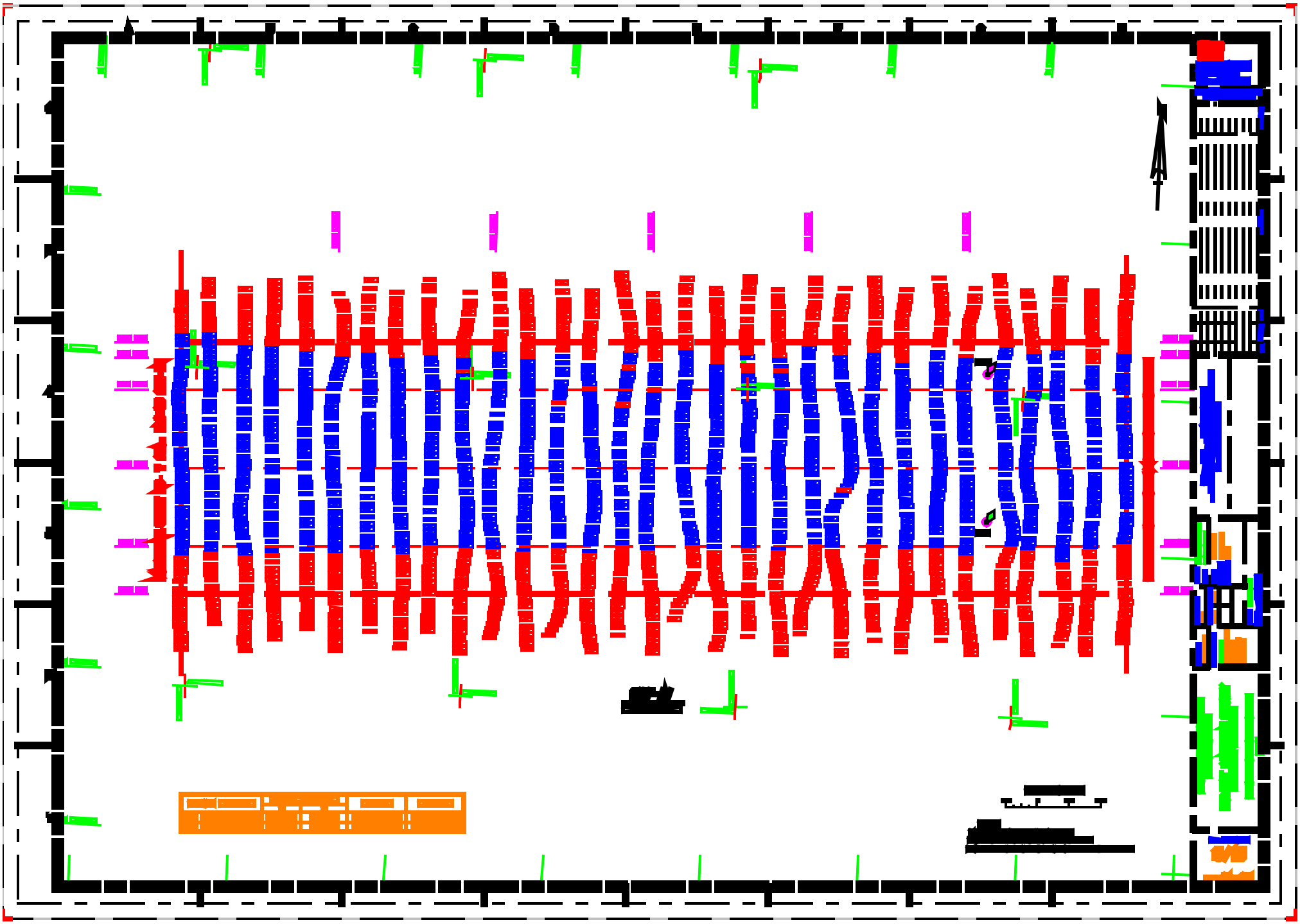

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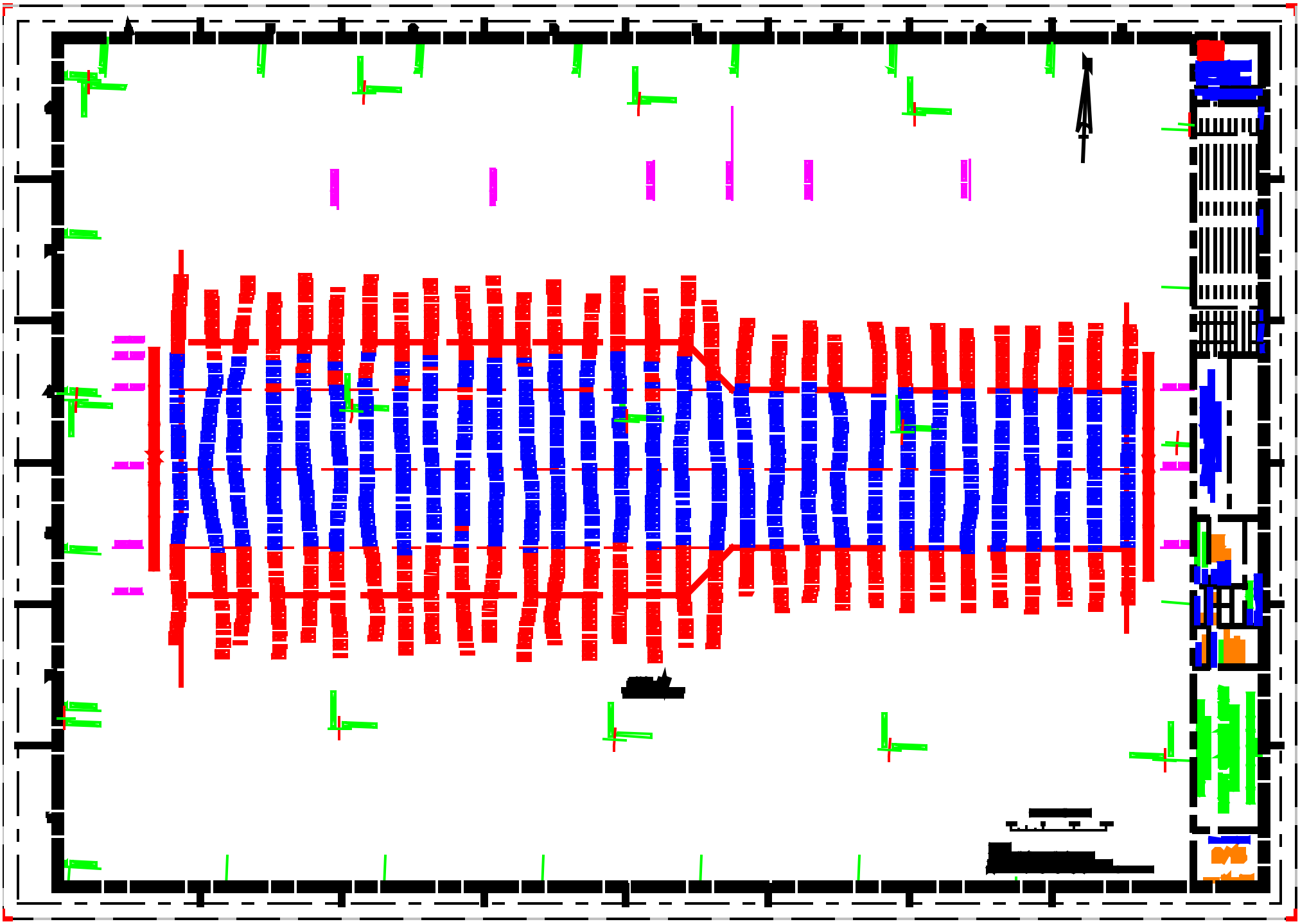

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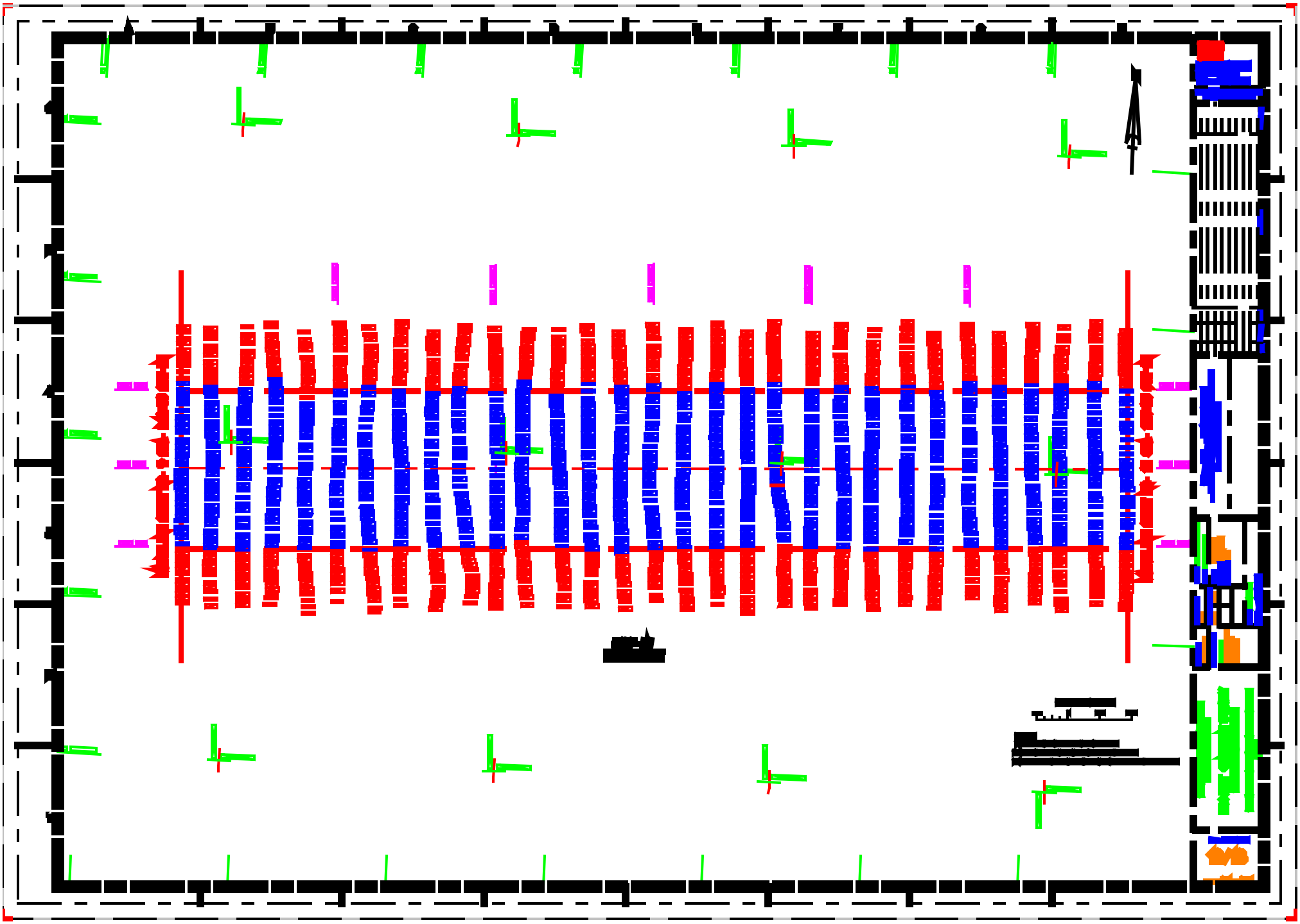

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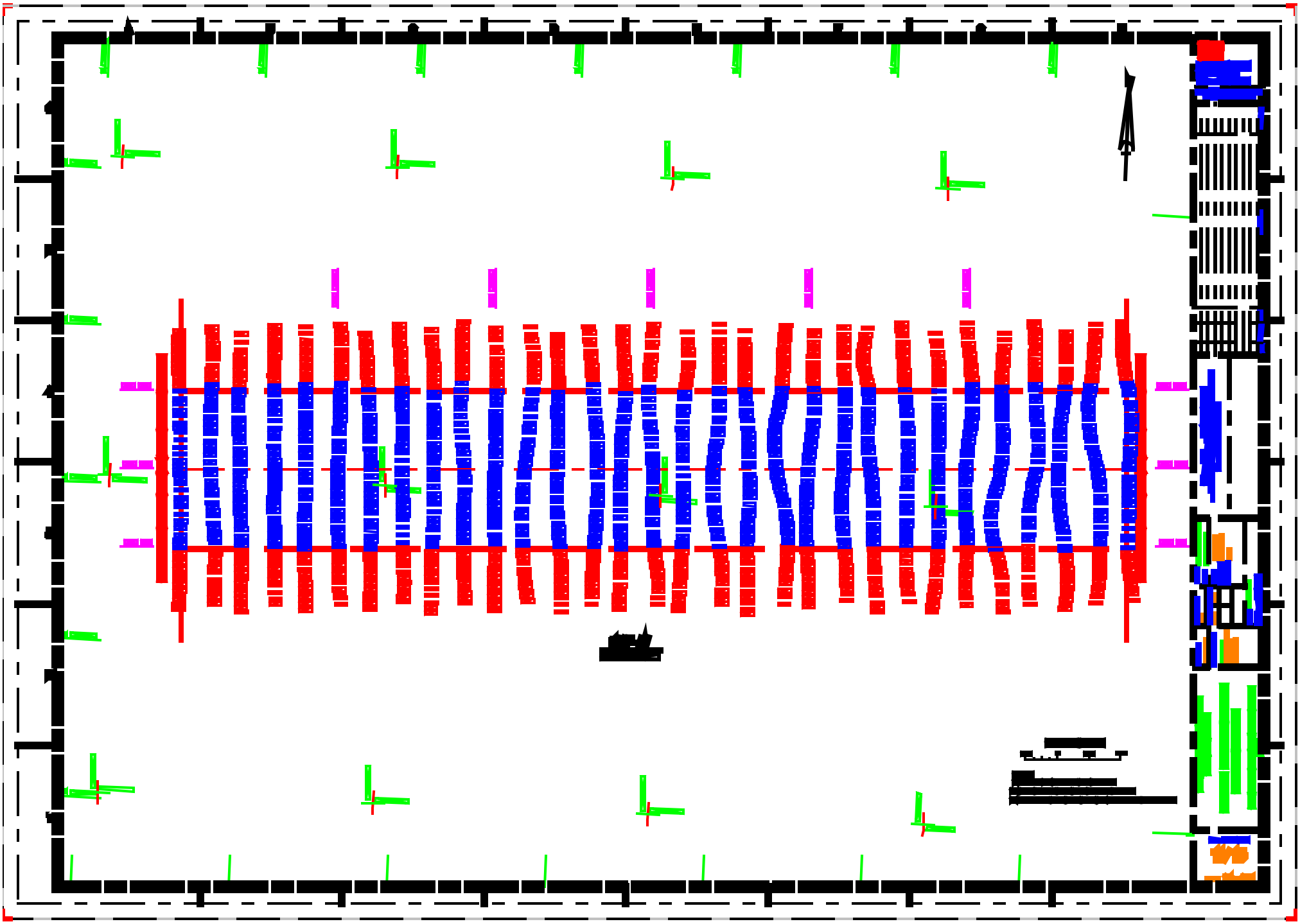

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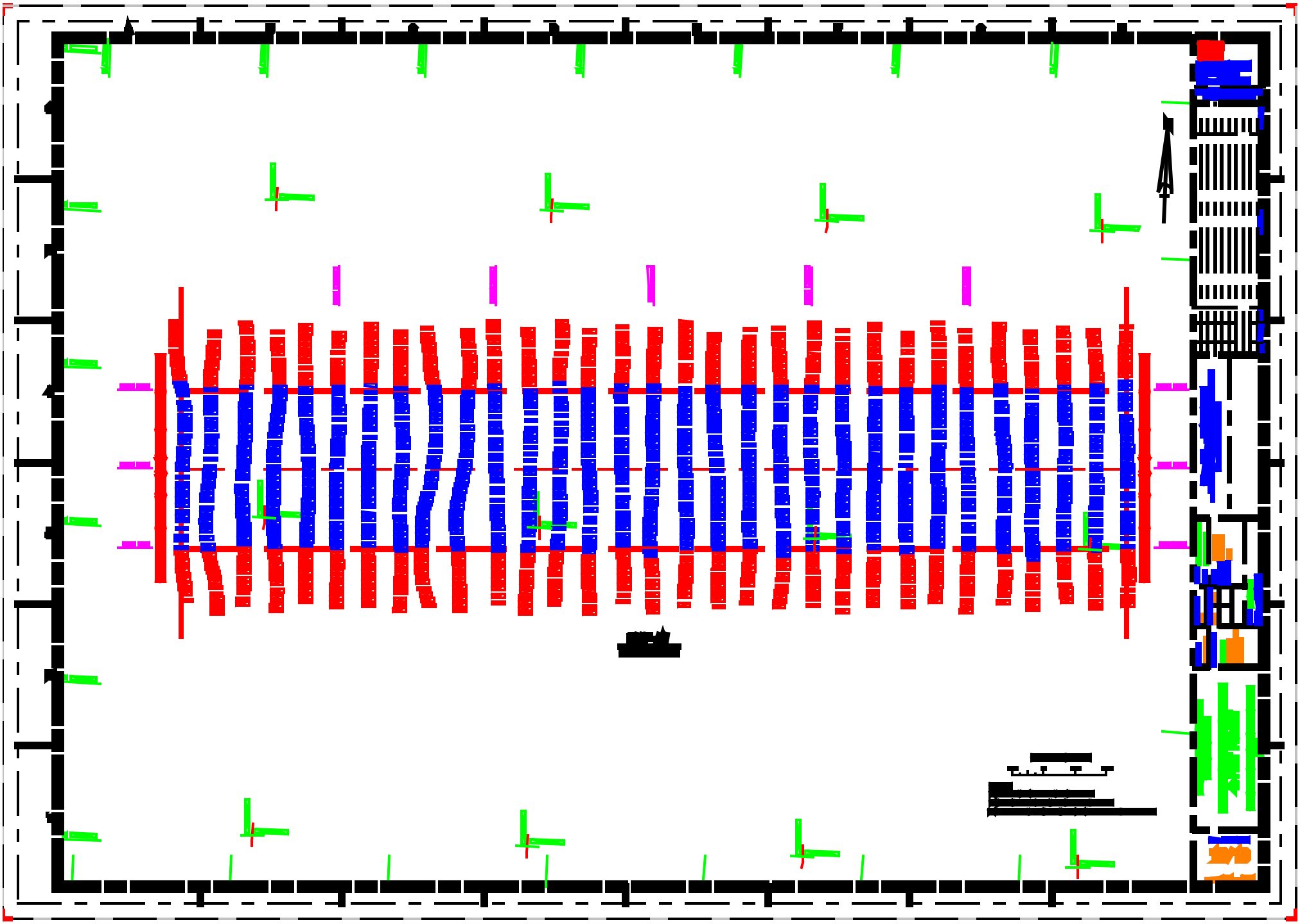

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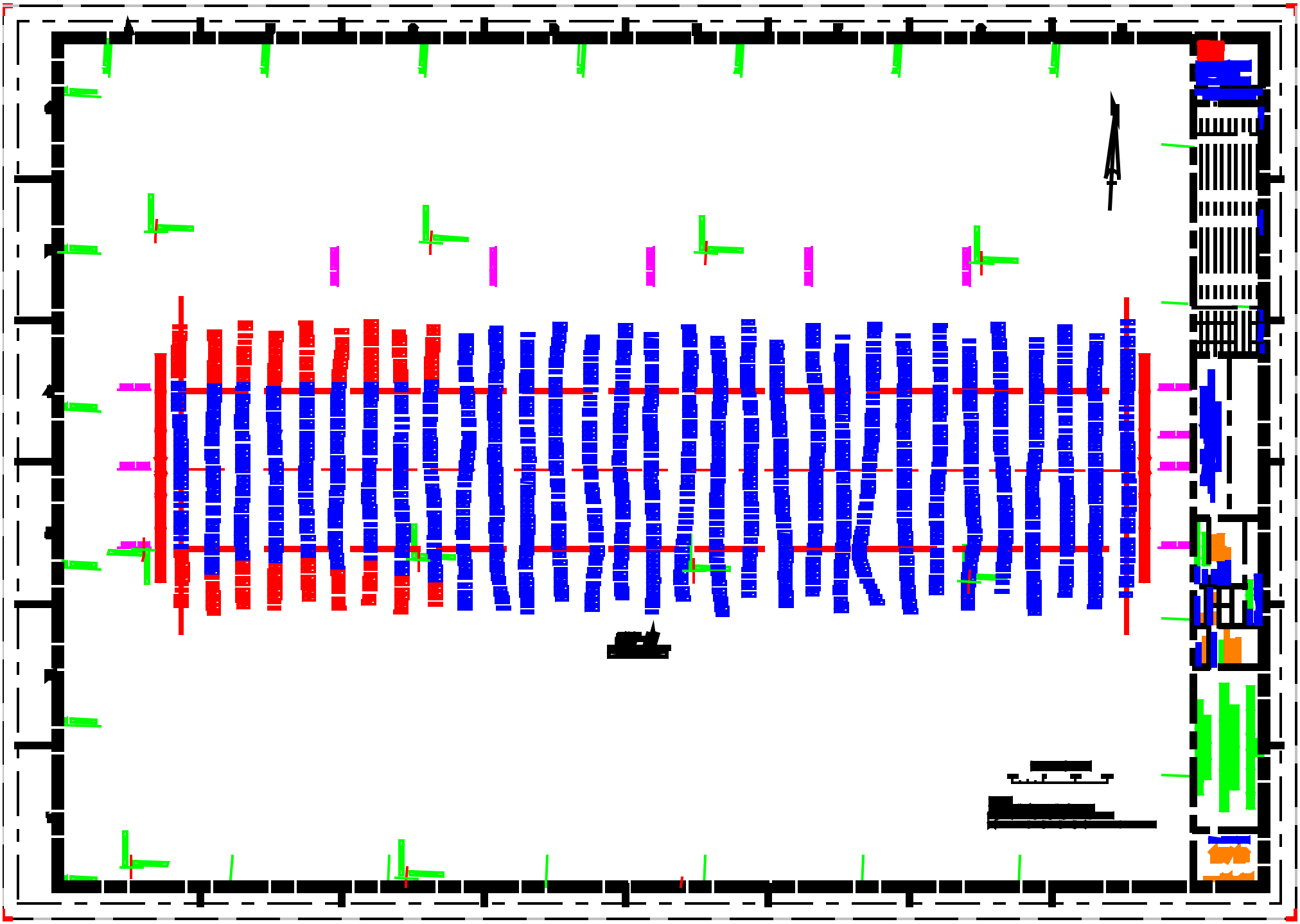

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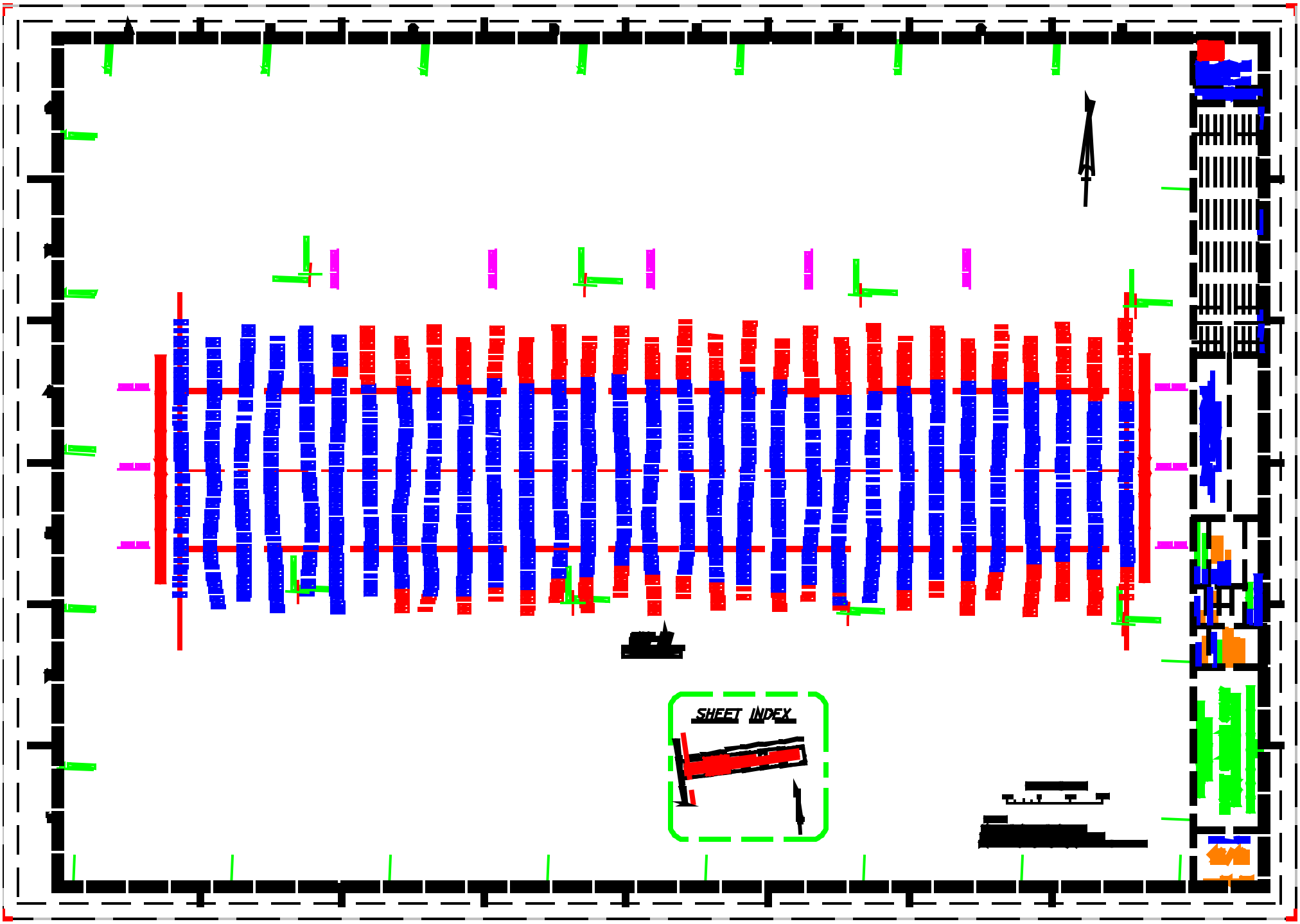

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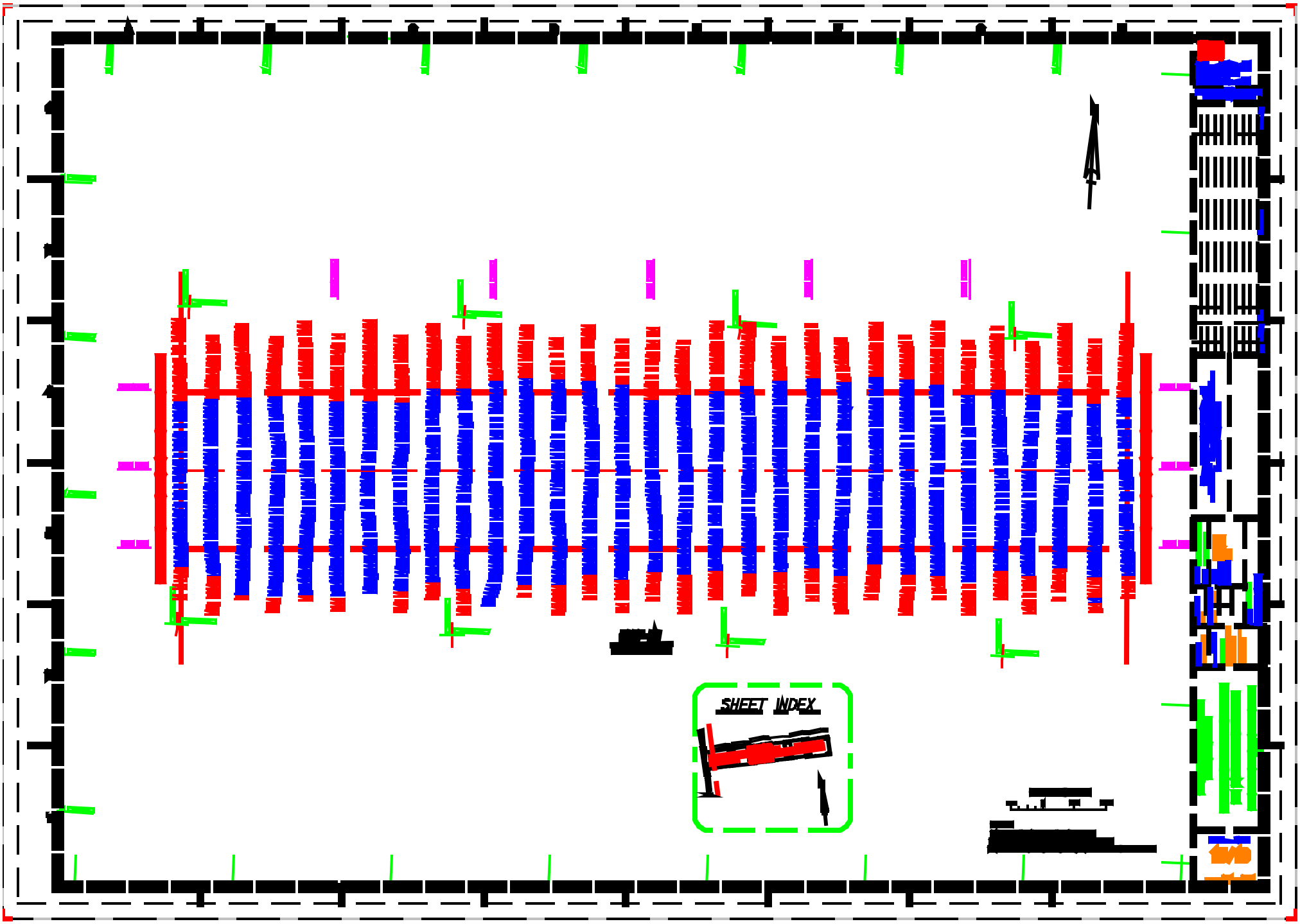

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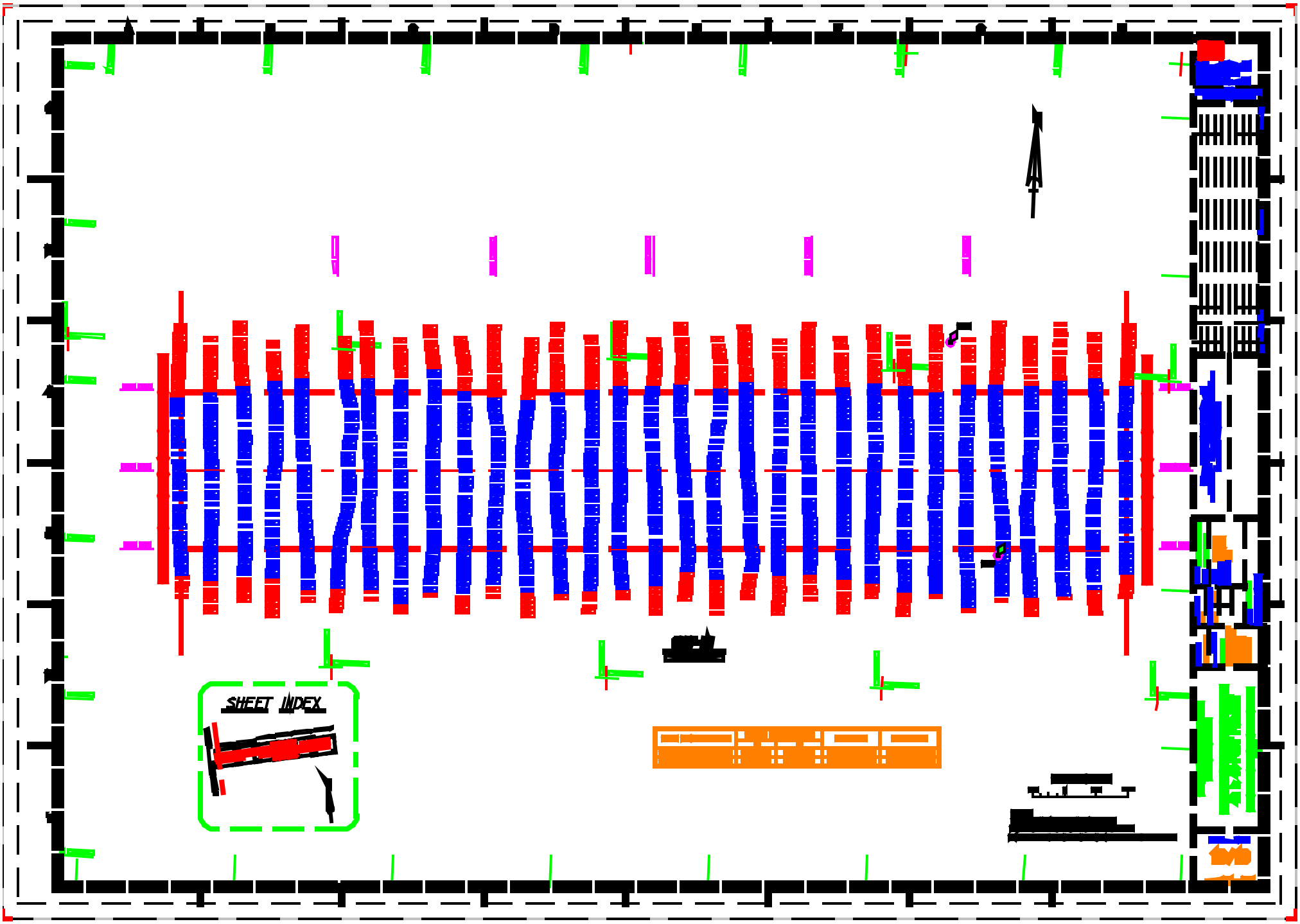

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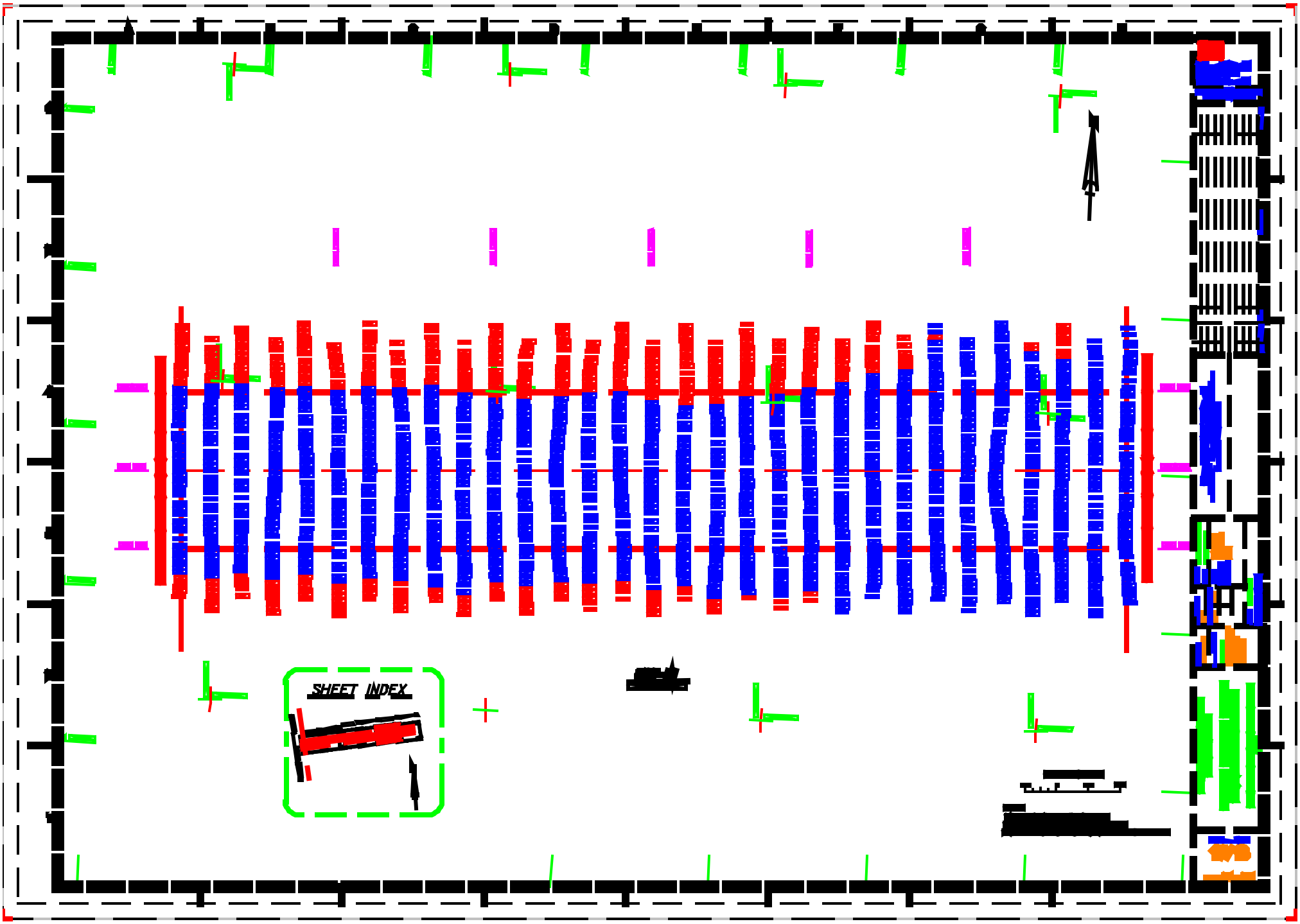

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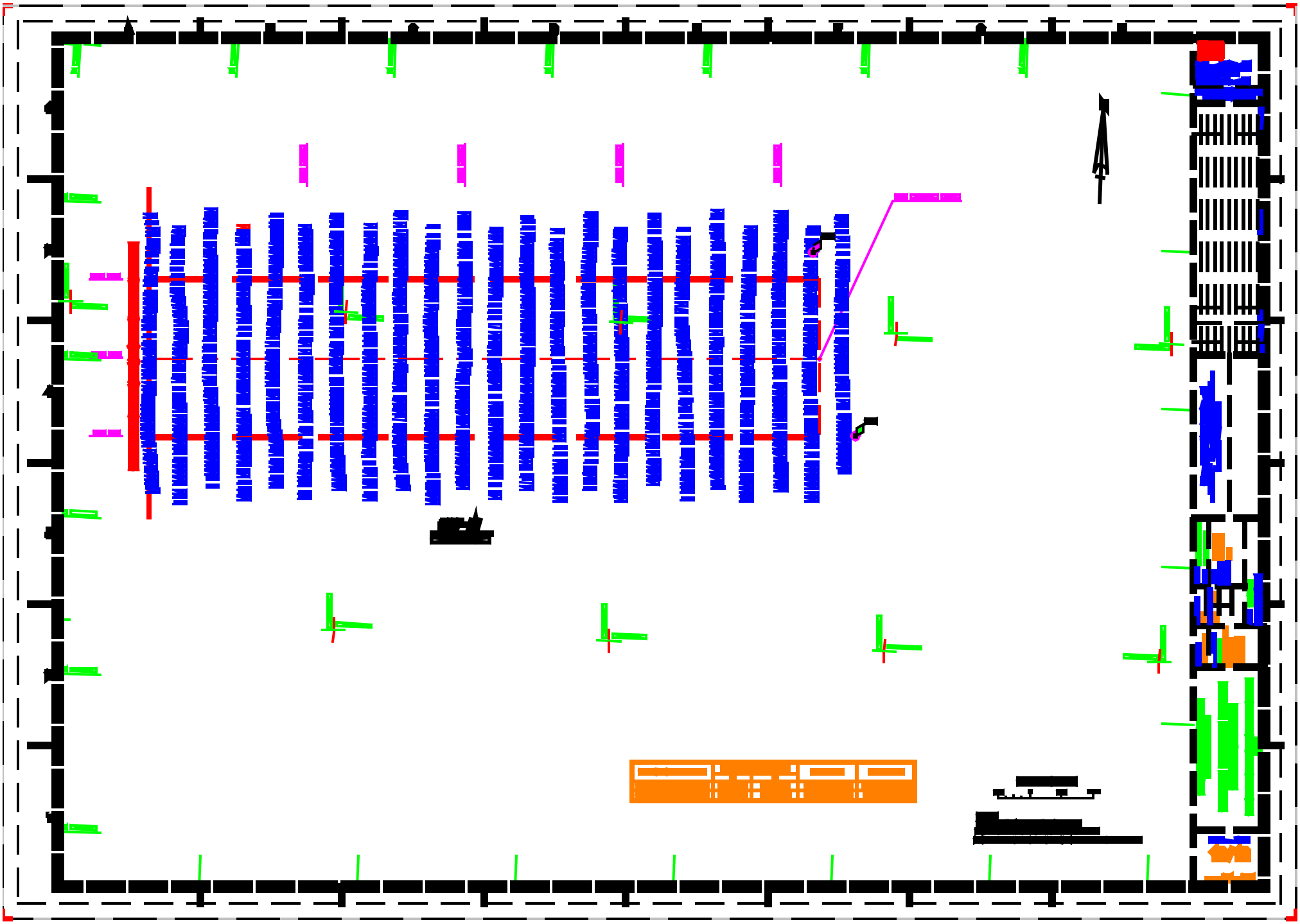

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