

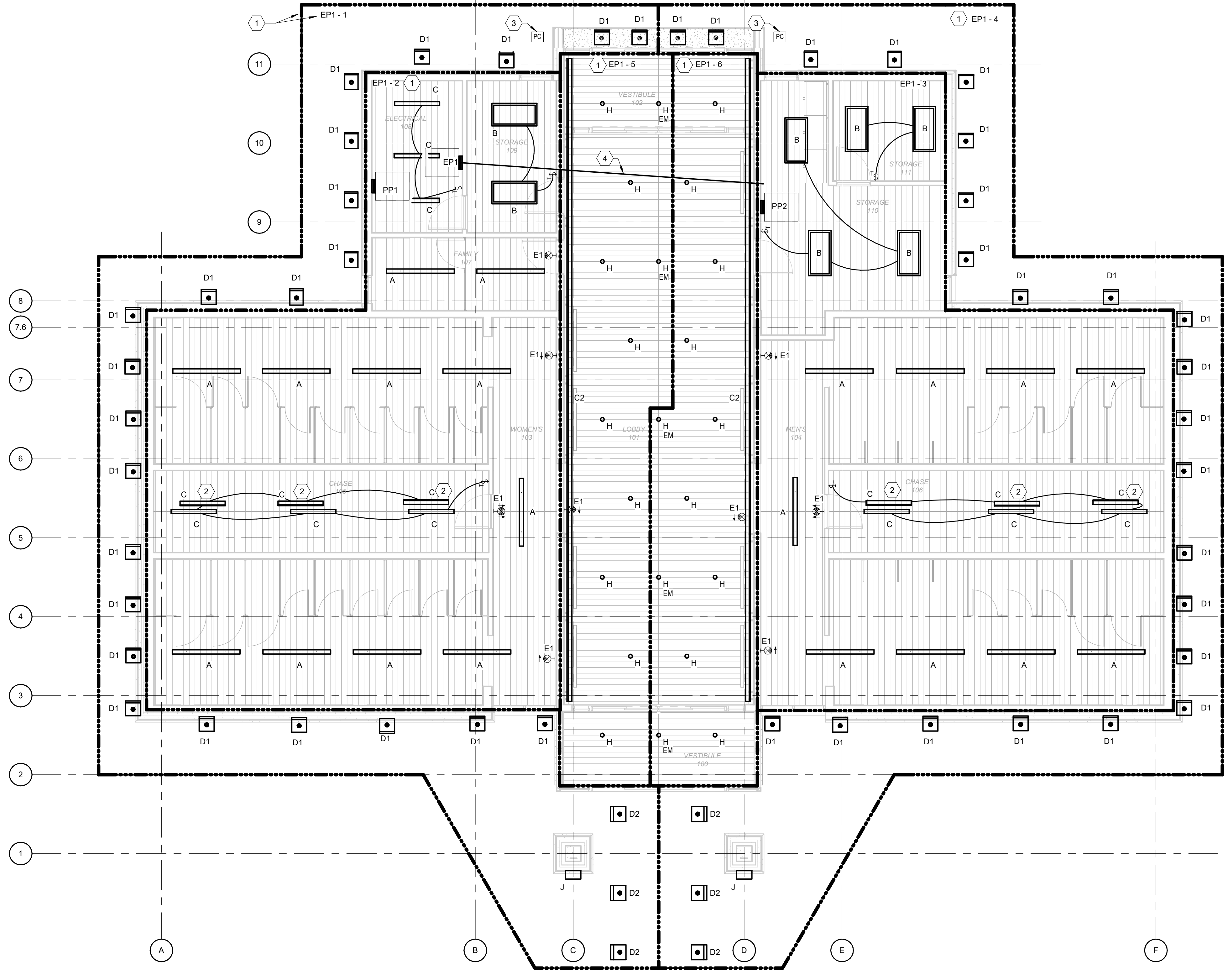
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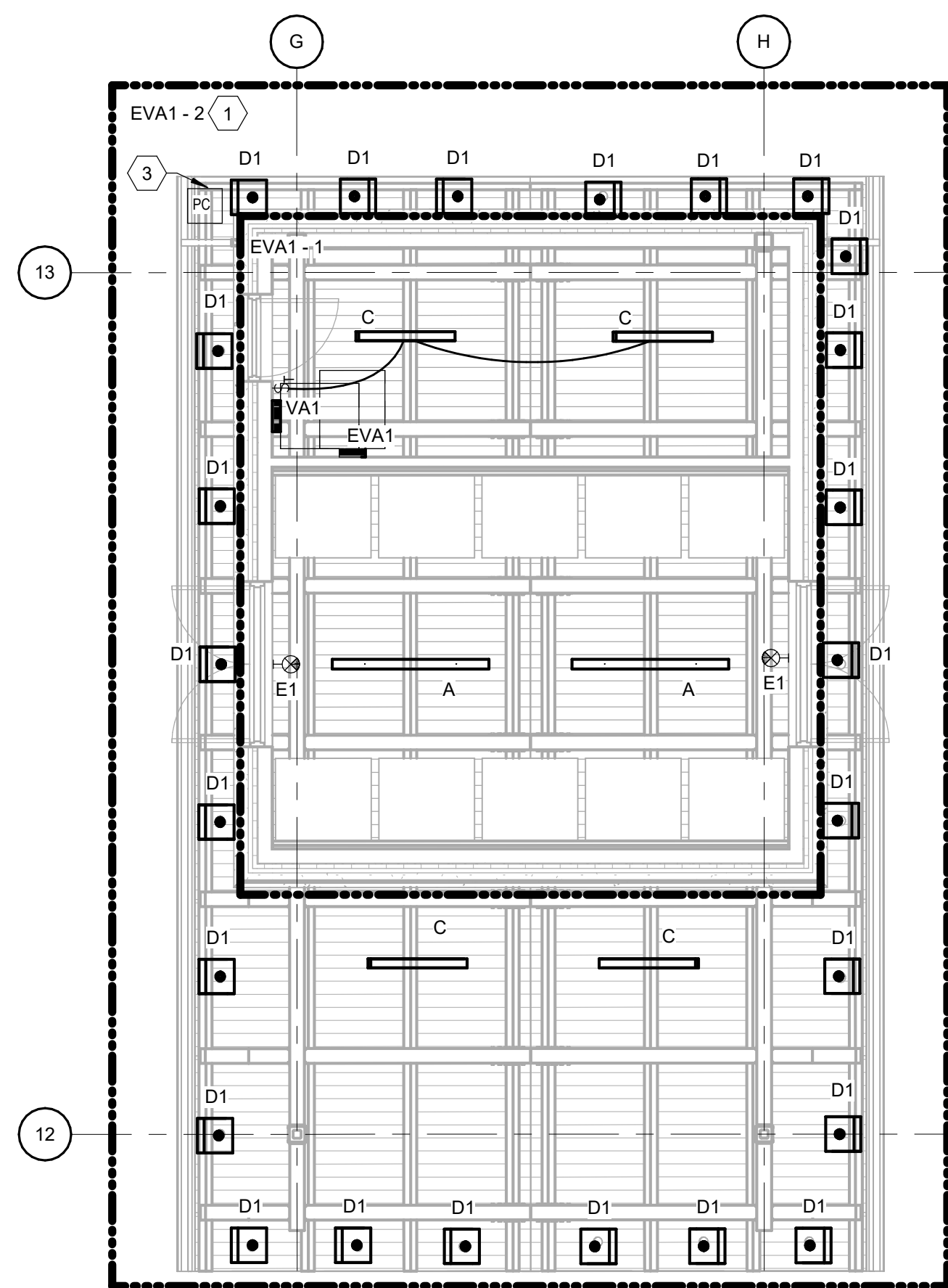
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- SHEET NOTES**
- A. ALL LIGHTING CONDUCTORS SHALL BE 2-12 AWG, 1-12 AWG EG IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.
 - B. CONTRACTOR SHALL VERIFY COMPATIBILITY OF ALL LIGHTING CONTROLS WITH THE LED DRIVERS TO BE CONTROLLED.
 - C. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED BY LIGHTING CONTACTOR WITH PHOTOCELL.
 - D. ALL INTERIOR LIGHTS SHALL BE ALWAYS-ON UNLESS INDICATED OTHERWISE ON PLANS.

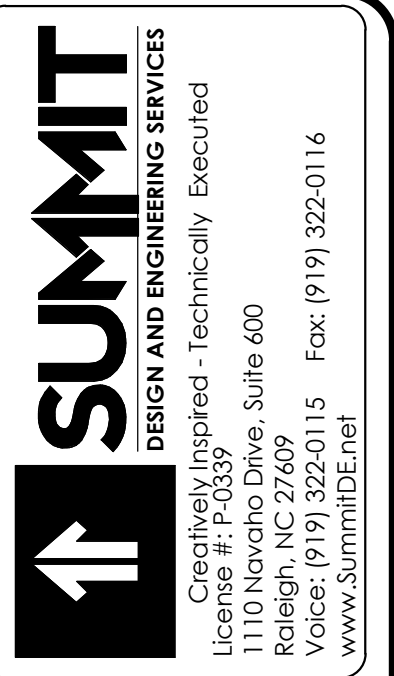
- KEY NOTES**
- 1 (TYP) CIRCUIT LIGHTS IN THIS AREA TO PANEL AND CIRCUIT INDICATED.
 - 2 MOUNT LIGHT ABOVE MECHANICAL PLATFORMS. 3 LIGHTS ARE ABOVE PLATFORM, AND 3 ARE BELOW PLATFORM TO LIGHT CHASE. RECOMMENDED ABOVE PLATFORM MOUNTING HEIGHT 16' AFF. COORDINATE WITH MECHANICAL.
 - 3 PHOTOCELL TO CONTROL OUTDOOR LIGHTS. COORDINATE WITH DEVICE MANUFACTURER.
 - 4 2 1/2" UNDER SLAB CONDUIT RUN FOR EMERGENCY LIGHTING CIRCUITING. RUN ALL EMERGENCY LIGHTING CIRCUIT WIRING THROUGH THIS CONDUIT TO PANEL 'EP1'. PROVIDE STUB-UPS AS REQUIRED.



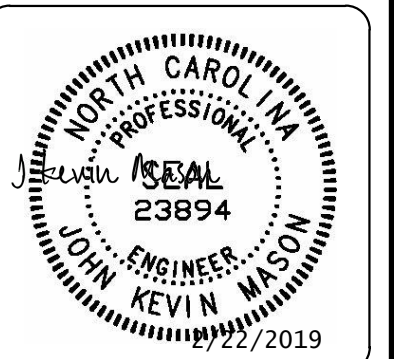
1 FIRST FLOOR LIGHTING PLAN
Scale: 3/16" = 1'-0"



2 VENDING AREA LIGHTING PLAN
Scale: 3/16" = 1'-0"



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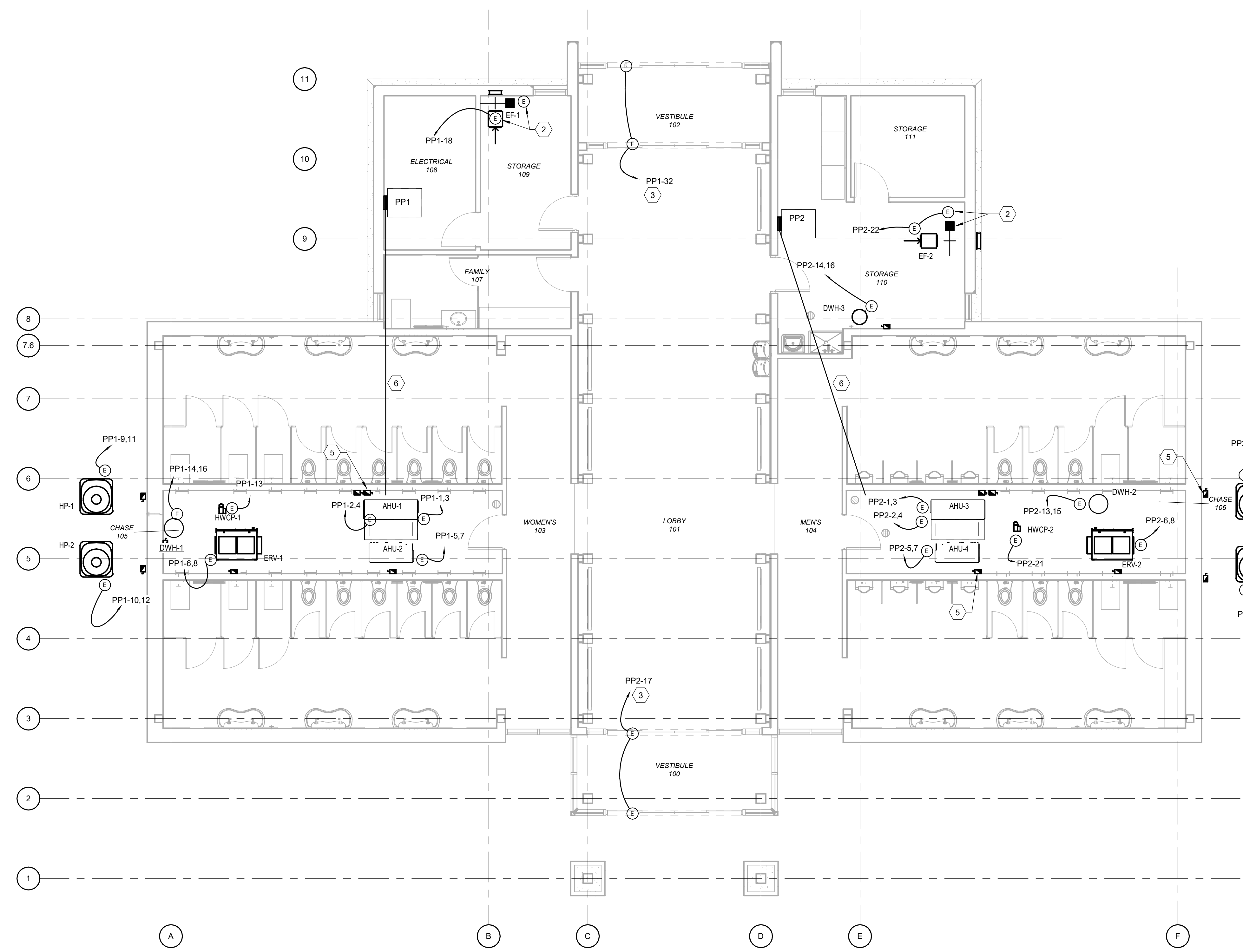


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DRAWN BY: JDM FIRST ISSUE DATE: 11/02/2018

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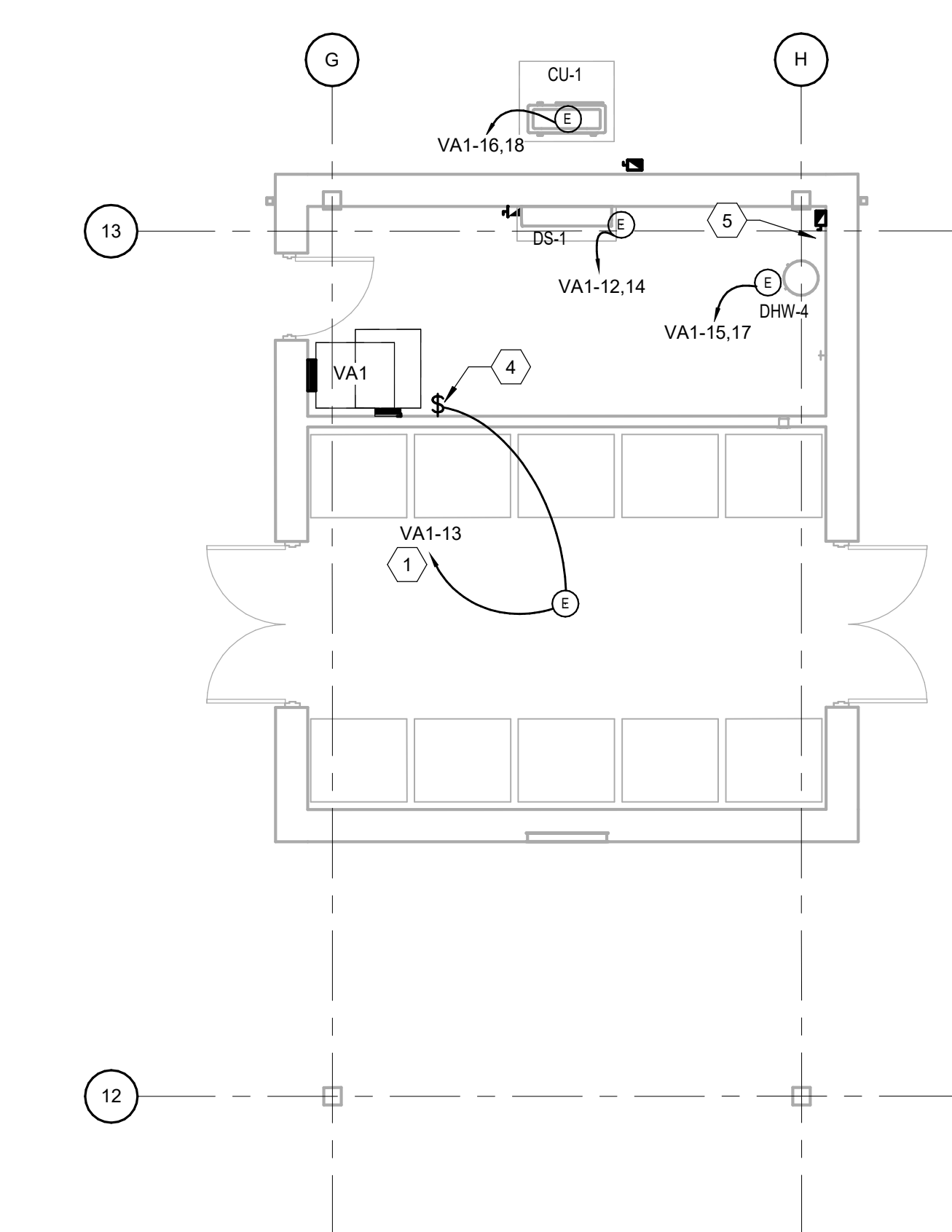
NCDOT PROJECT #I-4400C
I-26 WEST BOUND REST AREA
HENDERSON/BUNCOMBE COUNTY
NORTH CAROLINA 28732
FIRST FLOOR LIGHTING PLAN

PROJECT NO.
18-0129.021
SHEET NO.
EL101



1 MECHANICAL POWER PLAN
Scale: 3/16" = 1'-0"

SHEET NOTES	KEY NOTES
<p>A. ALL CONDUCTORS SHALL BE 2-12 AWG, 1-12 AWG EG IN 3/4" CONDUIT MINIMUM UNLESS NOTED OTHERWISE. REFERENCE EQUIPMENT CONDUCTOR SCHEDULE SHEET E-601.</p> <p>B. COORDINATE LOCATION AND ELECTRICAL REQUIREMENTS OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING CONTRACTORS. REFERENCE DETAIL 4 SHEET E-501.</p> <p>C. COORDINATE EQUIPMENT WITH ARCHITECTURAL EQUIPMENT PLANS AND SCHEDULES.</p> <p>D. ALL EQUIPMENT SHALL HAVE THE SOURCE PANEL AND CIRCUIT NUMBER INDICATED ON DEVICE DISCONNECTING MEANS.</p>	<p>1 CEILING FAN SHALL BE CONTROLLED VIA MOTOR RATED SWITCH AS INDICATED. COORDINATE WITH MECHANICAL</p> <p>2 MOTORIZED DAMPER, CIRCUIT WITH NEARBY EXHAUST FAN.</p> <p>3 PROVIDE POWER FOR MOTORIZED DOORS. COORDINATE LOCATION WITH OTHER DISCIPLINES.</p> <p>4 MOTOR RATED SWITCH SHALL CONTROL FAN IN VENDING AREA. PROVIDE LABEL ON SWITCH FACEPLATE INDICATING PURPOSE.</p> <p>5 (TYP.) MOUNTING LOCATION FOR DISCONNECTS FOR PLUMBING AND MECHANICAL. COORDINATE INSTALLATION WITH OTHERS. REFERENCE DETAIL 4 SHEET E-501. PROVIDE LABELS "DISCONNECT TO BE DE-ENERGIZED PRIOR TO SERVICING".</p> <p>6 PROVIDE 2-1 1/2" EMPTY CONDUITS WITH PULL STRINGS FROM PANEL TO MECHANICAL ROOM.</p>



2 VENDING AREA MECHANICAL POWER PLAN
Scale: 3/16" = 1'-0"

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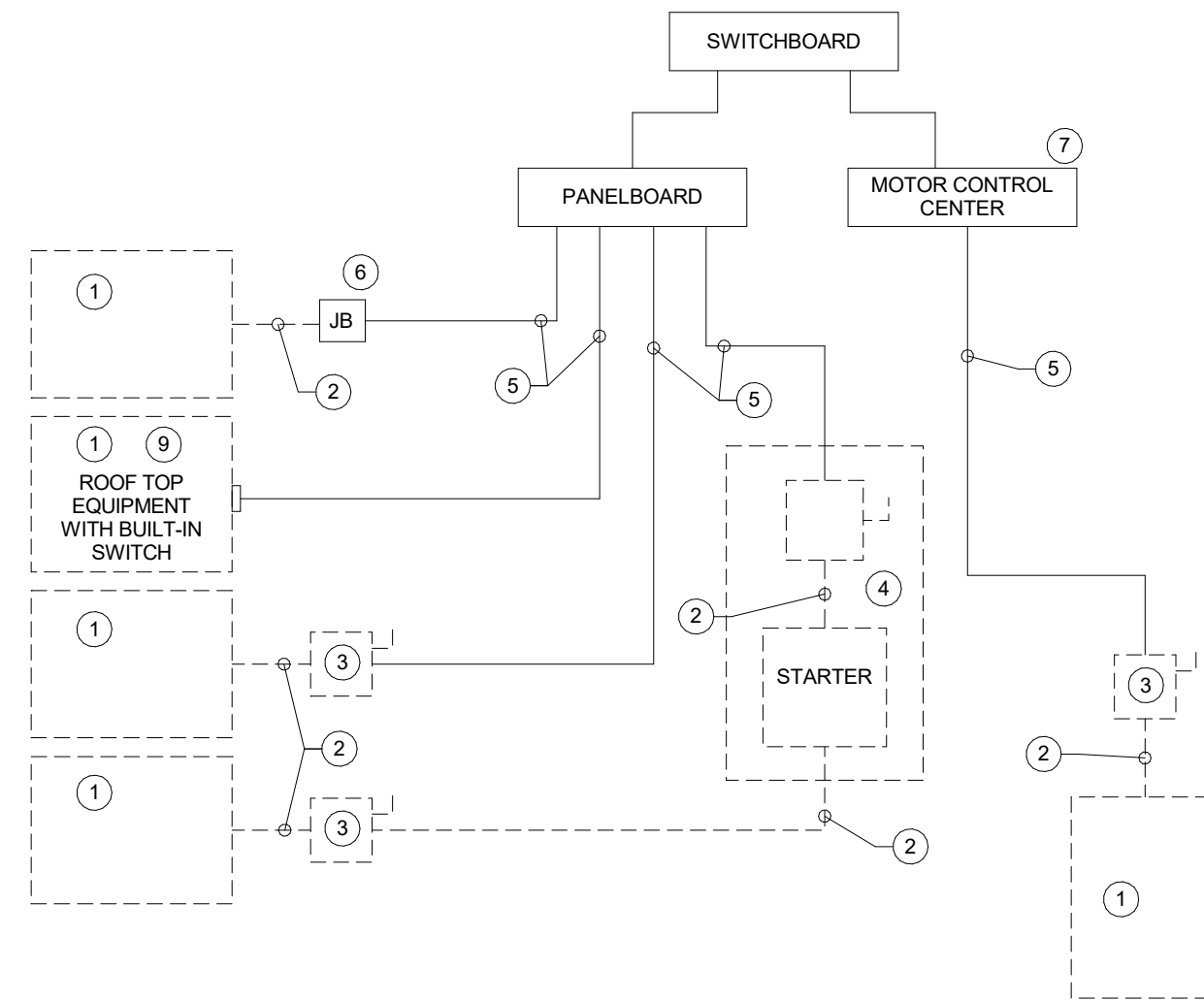


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NCDOT PROJECT #1-4400C
I-26 WEST BOUND REST AREA
HENDERSON/BUNCOMBE COUNTY
NORTH CAROLINA 28732
MECHANICAL POWER PLAN

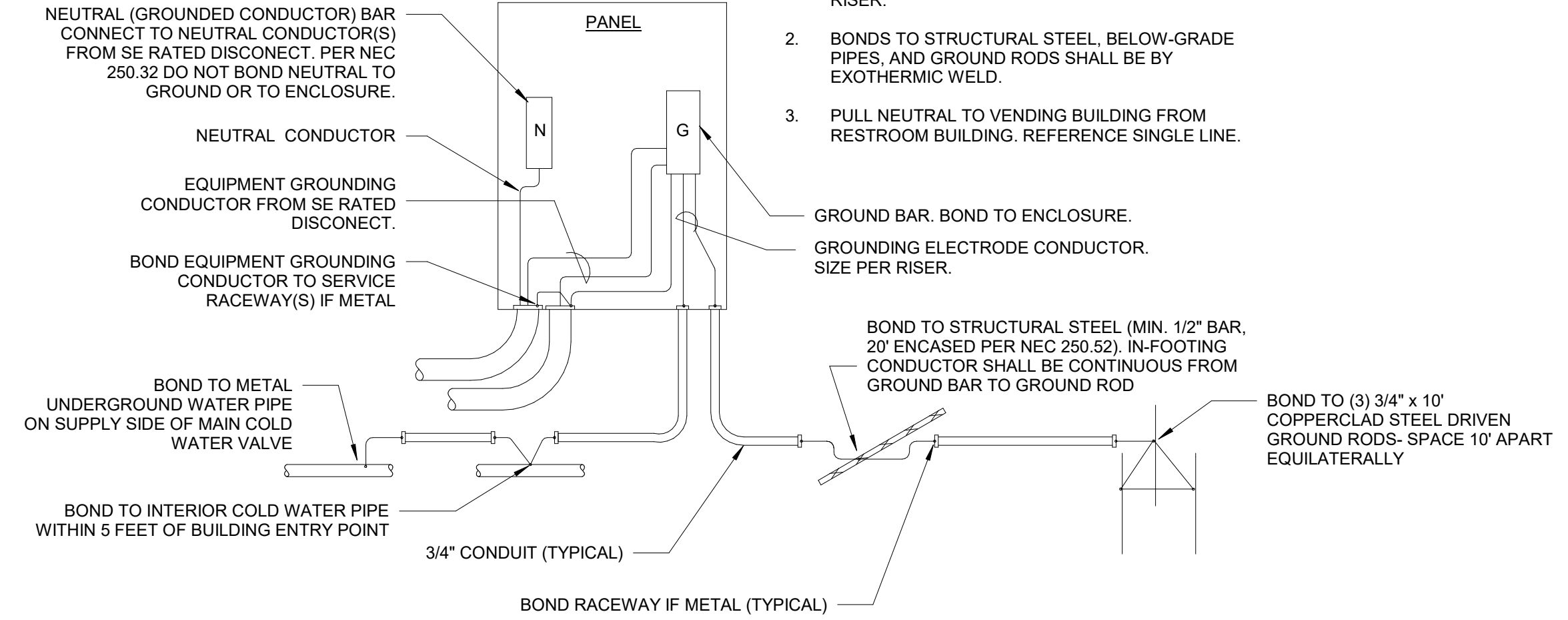
PROJECT NO.
18-0129.021
SHEET NO.
EM101



ELECTRICAL NOTES:

- ① EQUIPMENT OF TRADES OTHER THAN ELECTRICAL.
- ② CONDUIT & WIRING BY HVAC, PLUMBING CONTRACTOR, OR OTHER TRADES.
- ③ IF AN ADDITIONAL DISCONNECT IS REQUIRED BY NEC, IT SHALL BE PROVIDED AND INSTALLED BY THE EQUIPMENT CONTRACTOR.
- ④ A COMBINATION STARTER OR VFD MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER. LOCATE ADJACENT TO EQUIPMENT.
- ⑤ FEEDER CIRCUIT WIRING AND CONDUIT IN ELECTRICAL WORK. SEE PANELBOARD SCHEDULES FOR WIRE AND BREAKER SIZES.
- ⑥ JUNCTION BOX MAY BE SHOWN ON ELECTRICAL PLANS FOR SOME EQUIPMENT. IF NO STARTER OR DISCONNECT IS SUPPLIED, A JUNCTION BOX SHALL BE INSTALLED ADJACENT TO EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LINE SIDE WIRING TO THE JUNCTION BOX. LOAD SIDE WIRING WILL BE PROVIDED BY MECHANICAL CONTRACTOR OR OTHER TRADES.
- ⑦ PROJECT UTILIZING AN MCC, THE STARTER, CB, OR VFD IN THE MCC ARE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- ⑧ IN ALL CASES THE EQUIPMENT CONTRACTOR SHALL MAKE FINAL CONNECTIONS, START UP, AND TEST EQUIPMENT.
- ⑨ IF THE ROOF TOP EQUIPMENT IS NOT PROVIDED WITH BUILT IN SWITCH, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A DISCONNECT SWITCH.

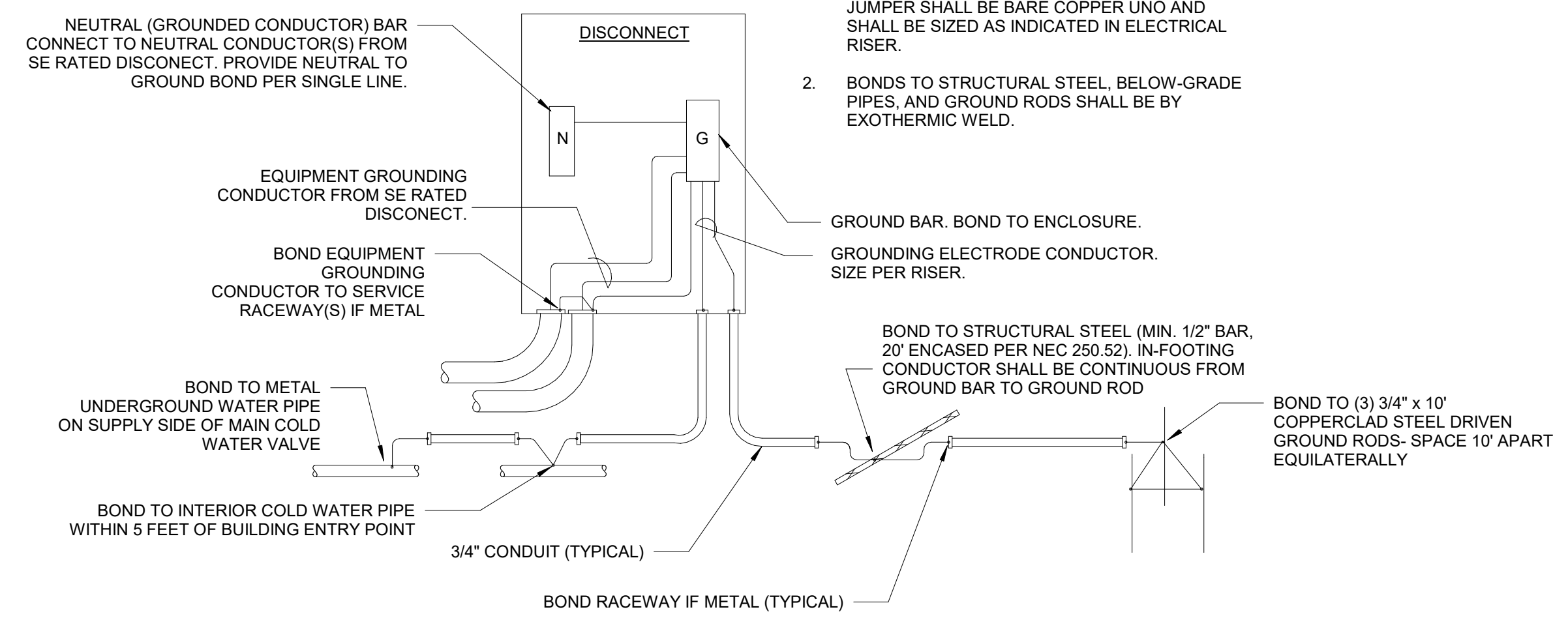
4 ELECTRICAL EQUIPMENT CONNECTION DETAIL
Scale: N.T.S.



NOTES:

1. GROUNDING CONDUCTORS AND MAIN BONDING JUMPER SHALL BE BARE COPPER UNO AND SHALL BE SIZED AS INDICATED IN ELECTRICAL RISER.
2. BONDS TO STRUCTURAL STEEL, BELOW-GRADE PIPES, AND GROUND RODS SHALL BE BY EXOTHERMIC WELD.
3. PULL NEUTRAL TO VENDING BUILDING FROM RESTROOM BUILDING. REFERENCE SINGLE LINE.

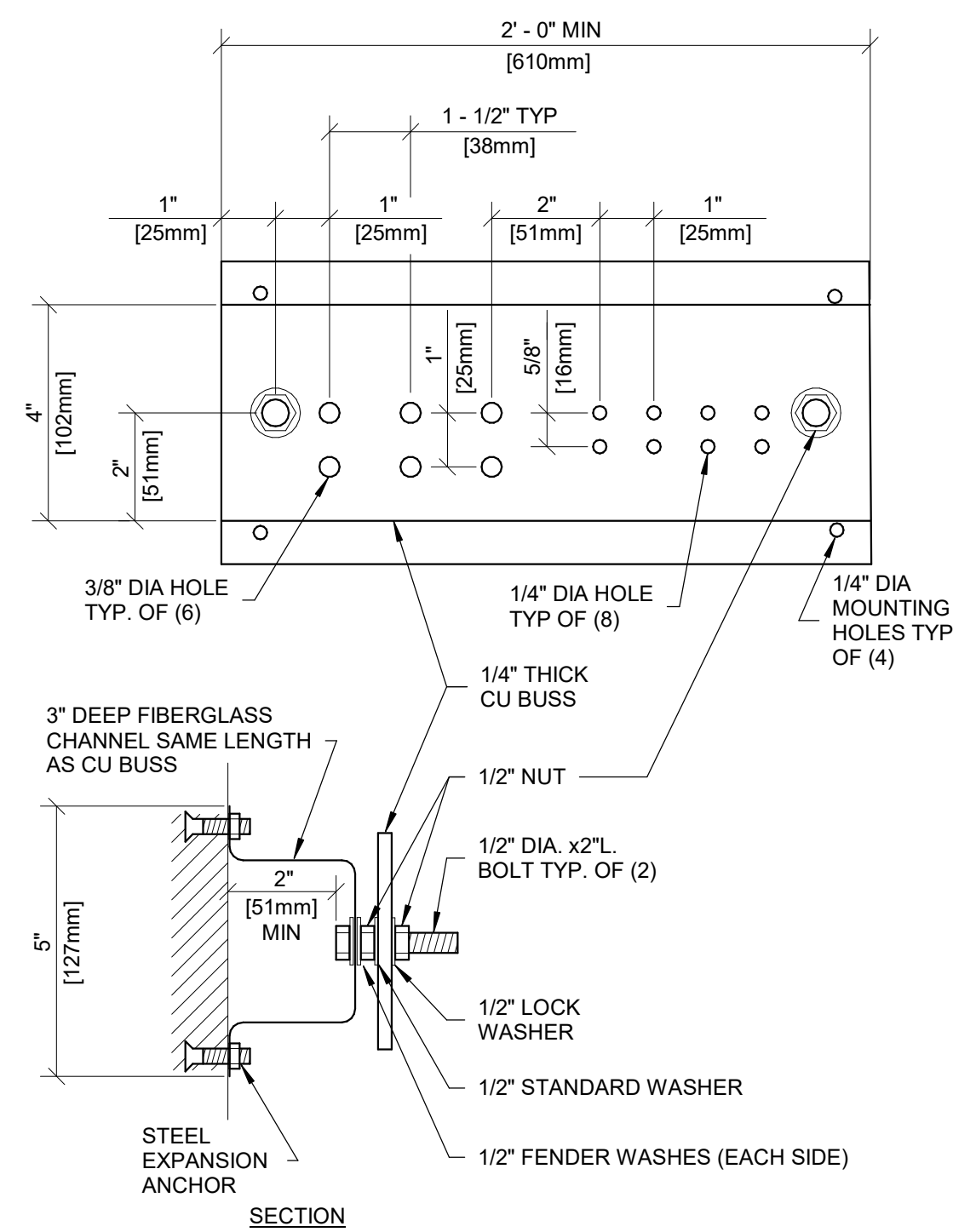
1 GROUND BOND AT VENDING BUILDING
Scale: N.T.S.



NOTES:

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2. BONDS TO STRUCTURAL STEEL, BELOW-GRADE PIPES, AND GROUND RODS SHALL BE BY EXOTHERMIC WELD.

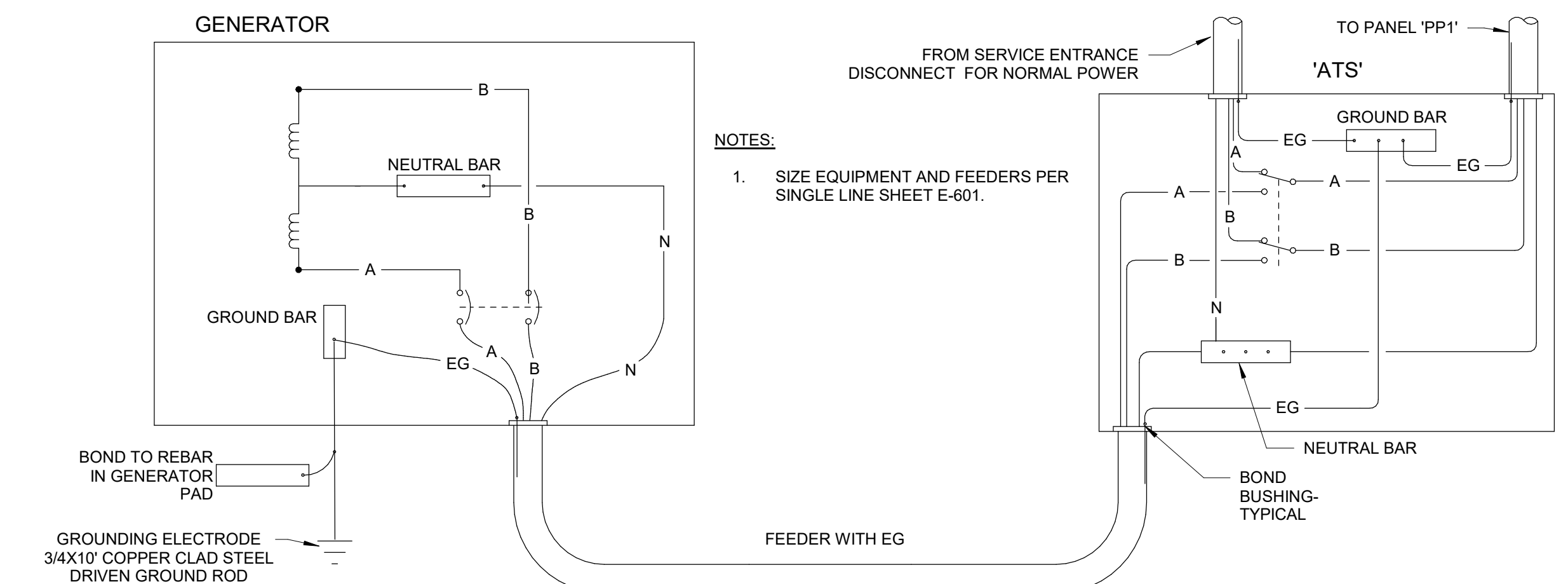
2 GROUND BOND AT RESTROOM BUILDING
Scale: N.T.S.



GENERAL NOTES:

1. ALL HARDWARE SHOWN SHALL BE STAINLESS STEEL.
2. PROVIDE 1 MOUNTING POINT PER 12" OF BAR LENGTH.
3. HOLES MAY BE ADDED IF REQUIRED.

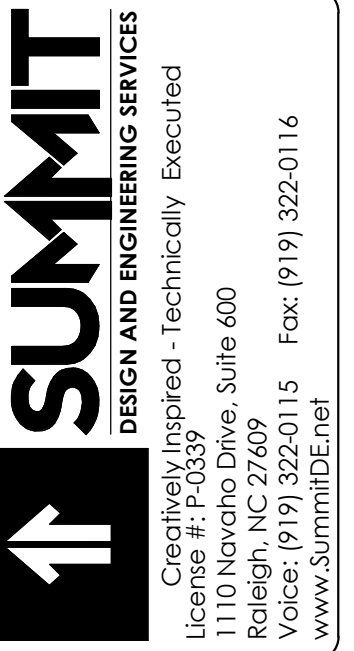
5 GROUND BAR
Scale: N.T.S.



NOTES:

1. SIZE EQUIPMENT AND FEEDERS PER SINGLE LINE SHEET E-601.

3 GENERATOR GROUNDING - 2 POLE ATS
Scale: N.T.S.



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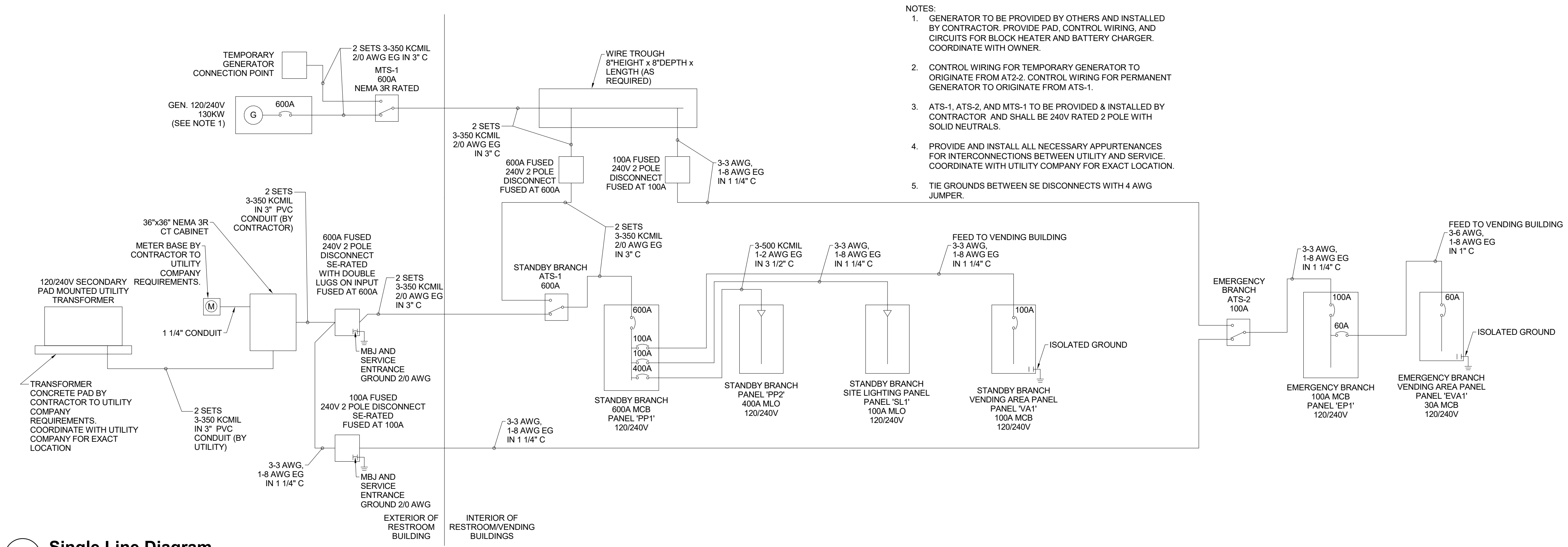


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NCDOT PROJECT #1-4400C
I-26 WEST BOUND REST AREA
HENDERSON/BUNCOMBE COUNTY
NORTH CAROLINA 28732
ELECTRICAL DETAILS

PROJECT NO.
18-0129.021
SHEET NO.
F-501



- NOTES:
- GENERATOR TO BE PROVIDED BY OTHERS AND INSTALLED BY CONTRACTOR. PROVIDE PAD, CONTROL WIRING, AND CIRCUITS FOR BLOCK HEATER AND BATTERY CHARGER. COORDINATE WITH OWNER.
 - CONTROL WIRING FOR TEMPORARY GENERATOR TO ORIGINATE FROM (AT-2). CONTROL WIRING FOR PERMANENT GENERATOR TO ORIGINATE FROM (ATS-1).
 - ATS-1, ATS-2, AND MTS-1 TO BE PROVIDED & INSTALLED BY CONTRACTOR AND SHALL BE 240V RATED 2 POLE WITH SOLID NEUTRALS.
 - PROVIDE AND INSTALL ALL NECESSARY APPURTENANCES FOR INTERCONNECTIONS BETWEEN UTILITY AND SERVICE. COORDINATE WITH UTILITY COMPANY FOR EXACT LOCATION.
 - TIE GROUNDS BETWEEN SE DISCONNECTS WITH 4 AWG JUMPER.

1 Single Line Diagram
Scale: N.T.S.

EQUIPMENT CONDUCTOR SCHEDULE

Equipment Designation	EQUIPMENT TYPE	LOCATION	PANEL FED FROM	VOLTAGE (VOLTS)	PHASE	MOTOR HP / POWER REQUIREMENTS	LOAD (A)	CIRCUIT BREAKER SIZE	PHASE CONDUCTORS	NEUTRAL CONDUCTOR	GROUND WIRE	CONDUIT INCH SIZE	COMMENTS
ERV-1	INDOOR ENERGY RECOVERY VENTILATION UNIT	RESTROOM - CHASE 105	'PP1'	240	1	2-1 HP (MOP=15A)	14.00	20	2-12 AWG	-	1-12 AWG	3/4"	30A FUSED DISCONNECT (BY OTHERS) FUSED AT 15A.
ERV-2	INDOOR ENERGY RECOVERY VENTILATION UNIT	RESTROOM - CHASE 106	'PP2'	240	1	2-1 HP (MOP=15A)	14.00	20	2-12 AWG	-	1-12 AWG	3/4"	30A FUSED DISCONNECT (BY OTHERS) FUSED AT 15A.
EF-1	EXHAUST FAN	RESTROOM - ELECTRICAL 108	'PP1'	120	1	128 W	1.10	20	1-12 AWG	1-12 AWG	1-12 AWG	3/4"	
EF-2	EXHAUST FAN	RESTROOM - STORAGE 110	'PP2'	120	1	1/10 HP	3.00	20	1-12 AWG	1-12 AWG	1-12 AWG	3/4"	CIRCUIT WITH NEARBY MOTORIZED DAMPER ON THERMOSTAT FOR CONTROL (REFERENCE EM101).
AHU-1 (AHU-1)	INDOOR SPLIT SYSTEM HEAT PUMP AIR HANDLING UNIT	RESTROOM - CHASE 105	'PP1'	240	1	58A MCA/60A MOP	48.00	60	2-6 AWG	-	1-10 AWG	3/4"	
AHU-2	INDOOR SPLIT SYSTEM HEAT PUMP AIR HANDLING UNIT	RESTROOM - CHASE 105	'PP1'	240	1	44A MCA/45A MOP	35.20	45	2-8 AWG	-	1-10 AWG	3/4"	
AHU-3	INDOOR SPLIT SYSTEM HEAT PUMP AIR HANDLING UNIT	RESTROOM - CHASE 106	'PP2'	240	1	58A MCA/60A MOP	48.00	60	2-6 AWG	-	1-10 AWG	3/4"	
AHU-4	INDOOR SPLIT SYSTEM HEAT PUMP AIR HANDLING UNIT	RESTROOM - CHASE 106	'PP2'	240	1	25A MCA/25A MOP	20.00	25	2-10 AWG	-	1-10 AWG	3/4"	
HP-1	SPLIT SYSTEM HEAT PUMP OUTDOOR CONDENSING UNIT	RESTROOM - EXTERIOR	'PP1'	240	1	44A MCA/45A MOP	35.20	45	2-8 AWG	-	1-10 AWG	3/4"	
HP-2	SPLIT SYSTEM HEAT PUMP OUTDOOR CONDENSING UNIT	RESTROOM - EXTERIOR	'PP1'	240	1	15 MCA/25 MOP	12.00	25	2-10 AWG	-	1-10 AWG	3/4"	
HP-3	SPLIT SYSTEM HEAT PUMP OUTDOOR CONDENSING UNIT	RESTROOM - EXTERIOR	'PP2'	240	1	28 MCA/45 MOP	14.00	45	2-8 AWG	-	1-10 AWG	3/4"	
HP-4	SPLIT SYSTEM HEAT PUMP OUTDOOR CONDENSING UNIT	RESTROOM - EXTERIOR	'PP2'	240	1	15 MCA/25 MOP	12.00	25	2-10 AWG	-	1-10 AWG	3/4"	
DWH-1	DOMESTIC WATER HEATER	RESTROOM - CHASE 105	'PP1'	240	1	6.0 kW	25.00	40	2-8 AWG	-	1-10 AWG	3/4"	
DWH-2	DOMESTIC WATER HEATER	RESTROOM - CHASE 106	'PP2'	240	1	6.0 kW	25.00	40	2-8 AWG	-	1-10 AWG	3/4"	
DWH-3	DOMESTIC WATER HEATER	RESTROOM - STORAGE 110	'PP2'	240	1	3.0 kW	12.50	20	2-12 AWG	-	1-12 AWG	3/4"	
DWH-4	DOMESTIC WATER HEATER	VENDING AREA	'VA1'	240	1	1.5 kW	6.25	20	2-12 AWG	-	1-12 AWG	3/4"	
HWCP-1	DOMESTIC HOT WATER RECIRCULATION PU MP	RESTROOM - CHASE 105	'PP1'	120	1	1/12 HP	4.00	20	1-12 AWG	1-12 AWG	1-12 AWG	3/4"	
HWCP-2	DOMESTIC HOT WATER RECIRCULATION PU MP	RESTROOM - CHASE 106	'PP2'	120	1	1/12 HP	4.00	20	1-12 AWG	1-12 AWG	1-12 AWG	3/4"	
DS-1	SPLIT UNIT (INDOOR)	VENDING AREA - INTERIOR	'VA1'	240	1	0.4A MCA/15A MOP	0.40	20	2-12 AWG	-	1-12 AWG	3/4"	30A FUSED DISCONNECT (BY OTHERS) FUSED AT 15A.
CU-1	SPLIT UNIT (OUTDOOR)	VENDING AREA - EXTERIOR	'VA1'	240	1	16.5A MCA/20A MOP	13.20	20	2-12 AWG	-	1-12 AWG	3/4"	

EVA1

VOLTAGE: 240
PHASE/WIRE: 1Ø / 3W
RATED AMPERAGE: 60 A MCB
MAIN: 60 A MCB
SCC RATING (SYM): 10,000 AMPS SYMMETRICAL

CONNECTED LOAD PER PHASE		ISOLATED GROUND BUS (Y/N):	
A	B	BUSING:	SEE SPEC
MCB GROUND FAULT PROTECTION (Y/N):		MOUNTING: SURFACE	
MCB SHUNT TRIP (Y/N):		N	
MCB 100% RATED (Y/N):		Y	
504 VA	0 VA		
4 A	0 A		

CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A	B	POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	VENDING INTERIOR LIGHTS		20 A	1	154	350		20 A		VENDING EXTERIOR LIGHTS	2
3	SPARE		20 A	1				20 A		SPARE	4
5	SPARE		20 A	1	0	0		20 A		SPARE	6
7	SPACE		--	--				--	--	SPACE	8
9	SPACE		--	--	0	0		--	--	SPACE	10
11	SPACE		--	--				--	--	SPACE	12

Load Classification: Lighting - Continuous

Connected Load: 0.50 kVA
Demand Factor: 125.00%
Demand Load: 0.63 kVA

PANEL TOTALS
TOTAL CONNECTED LOAD: 0.50 kVA
TOTAL DEMAND: 0.63 kVA
TOTAL CONNECTED CURRENT: 2 A
TOTAL DEMAND CURRENT: 3 A

NOTES:
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSI.G.

EP1

VOLTAGE: 240
PHASE/WIRE: 1Ø / 3W
RATED AMPERAGE: 100 A MCB
MAIN: 100 A MCB
SCC RATING (SYM): 22,000 AMPS SYMMETRICAL

CONNECTED LOAD PER PHASE		ISOLATED GROUND BUS (Y/N):	
A	B	BUSING:	SEE SPEC
MCB GROUND FAULT PROTECTION (Y/N):		MOUNTING: SURFACE	
MCB SHUNT TRIP (Y/N):		N	
MCB 100% RATED (Y/N):		Y	
5170 VA	1280 VA		
43 A	11 A		

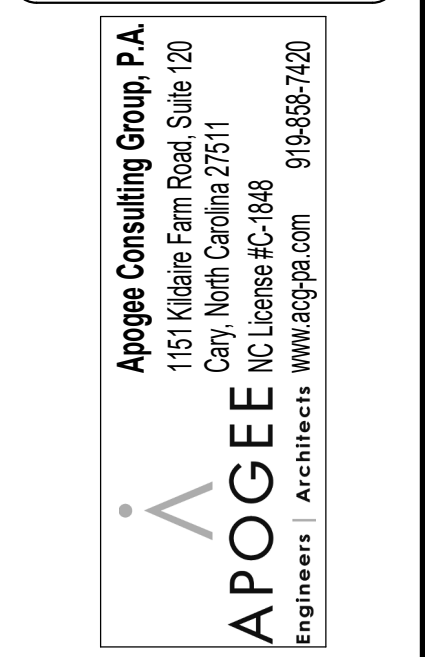
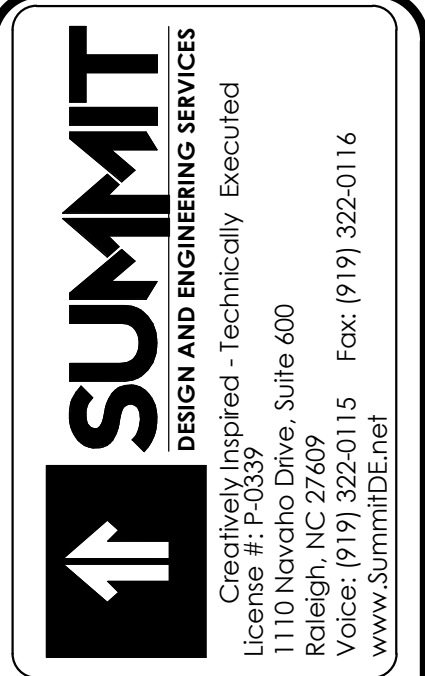
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A	B	POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	EXTERIOR LIGHTS		20 A	1	320	891		20 A		LIGHTING 103, 105, 107, 108, 109	2
3	LIGHTING 104, 106, 110, 111		20 A	1		960		20 A		EXTERIOR LIGHTS	4
5	LIGHTING LOBBY 101		20 A	1	1677	1777		20 A		LIGHTING LOBBY 101	6
7	SPARE		20 A	1				20 A		SPARE	8
9	SPARE		20 A	1	0	0		20 A		SPARE	10
11	SPARE		20 A	1	0	0		20 A		SPARE	12
13	SPARE		20 A	1	0	0		20 A		SPARE	14
15	SPARE		20 A	1	0	0		20 A		SPARE	16
17	SPARE		20 A	1	0	0		20 A		SPARE	18
19	SPACE		--	--				--	--	SPACE	20
21	SPACE		--	--	0	504		--	--	SPACE	22
23	SPACE		--	--				60 A		EVA1	24

Load Classification: Lighting - Continuous

Connected Load: 6.45 kVA
Demand Factor: 125.00%
Demand Load: 8.06 kVA

PANEL TOTALS
TOTAL CONNECTED LOAD: 6.45 kVA
TOTAL DEMAND: 8.06 kVA
TOTAL CONNECTED CURRENT: 27 A
TOTAL DEMAND CURRENT: 34 A

NOTES:
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NCDOT PROJECT #1-4400C
I-26 WEST BOUND REST AREA
HENDERSON/BUNCOMBE COUNTY
NORTH CAROLINA 28732
ONE-LINE DIAGRAM AND SCHEDULES

PROJECT NO.
18-0129.021
SHEET NO.
F-601

I-26
TIP NO. I-4400
REST STOP CROSS SECTION INDEX

<u>LOCATION</u>	<u>STATION TO STATION</u>	<u>SHEET NO.</u>
-L1-	10 + 00.00 TO 23 + 00.00	X-1 THRU X-9
-L2-	10 + 00.00 TO 23 + 50.00	X-10 THRU X-21
-L3-	10 + 00.00 TO 22 + 00.00	X-22 THRU X-28
-L4-	10 + 00.00 TO 23 + 50.00	X-29 THRU X-38

REVISIONS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

Quantities are approximate only. The Resident Engineer will re-cross-section the work accurately when the project is staked out. These cross section notes will be used in computing the final quantities for which the contractor will be paid.

CROSS-SECTION SUMMARY

REST AREA		
STATION L1	UNCL. EXCAV. (C.Y.)	EMBANK. (C.Y.)
10+00.00	0	0
10+50.00	131	78
11+00.00	192	78
11+50.00	171	87
12+00.00	75	229
12+50.00	7	553
13+00.00	0	822
13+50.00	0	877
14+00.00	0	613
14+50.00	67	177
15+00.00	423	0
15+50.00	1339	0
16+00.00	2197	0
16+50.00	2794	0
17+00.00	3288	0
17+50.00	3544	0
18+00.00	3536	0
18+50.00	3237	0
19+00.00	2912	0
19+50.00	2853	0
20+00.00	3194	0
20+50.00	2872	0
21+00.00	2112	0
21+50.00	1539	38
22+00.00	817	213
22+50.00	304	374
23+00.00	113	273
23+50.00	177	148

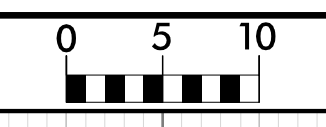
REST AREA		
STATION L2	UNCL. EXCAV. (C.Y.)	EMBANK. (C.Y.)
10+00.00	0	0
10+50.00	0	17
11+00.00	13	105
11+50.00	40	8
12+00.00	52	42
12+50.00	40	141
13+00.00	17	347
13+50.00	3	614
14+00.00	0	924
14+50.00	202	647
15+00.00	305	217
15+50.00	130	198
16+00.00	41	149
16+50.00	14	194
17+00.00	1	454
17+50.00	15	773
18+00.00	91	922
18+50.00	165	902
19+00.00	166	847
19+50.00	149	862
20+00.00	108	606
20+50.00	48	187
21+00.00	33	23
21+50.00	132	5
22+00.00	187	45
22+50.00	114	175
23+00.00	61	148
23+50.00	86	28

REST AREA		
STATION L3	UNCL. EXCAV. (C.Y.)	EMBANK. (C.Y.)
10+00.00	0	0
10+50.00	0	97
11+00.00	0	105
11+50.00	0	87
12+00.00	0	99
12+50.00	0	127
13+00.00	0	143
13+50.00	52	107
14+00.00	201	38
14+50.00	377	5
15+00.00	625	1
15+50.00	900	0
16+00.00	1123	10
16+50.00	1264	23
17+00.00	1288	27
17+50.00	1260	14
18+00.00	1135	6
18+50.00	890	14
19+00.00	550	12
19+50.00	270	4
20+00.00	113	0
20+50.00	21	15
21+00.00	0	56
21+50.00	25	70
22+00.00	94	29

REST AREA		
STATION L4	UNCL. EXCAV. (C.Y.)	EMBANK. (C.Y.)
10+00.00	0	0
10+50.00	362	54
11+00.00	250	83
11+50.00	530	158
12+00.00	1201	174
12+50.00	1789	68
13+00.00	1996	51
13+50.00	2000	78
14+00.00	1999	35
14+50.00	2050	8
15+00.00	2151	0
15+50.00	2228	2
16+00.00	2321	4
16+50.00	2362	2
17+00.00	2320	9
17+50.00	2166	45
18+00.00	2042	116
18+50.00	2157	103
19+00.00	2666	23
19+50.00	3210	0
20+00.00	3624	0
20+50.00	4087	0
21+00.00	4252	0
21+50.00	3757	0
22+00.00	3387	0
22+50.00	2808	19
23+00.00	1664	28
23+50.00	1250	9

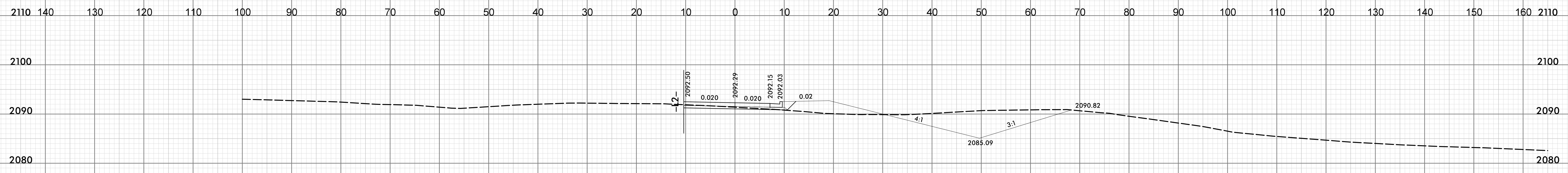
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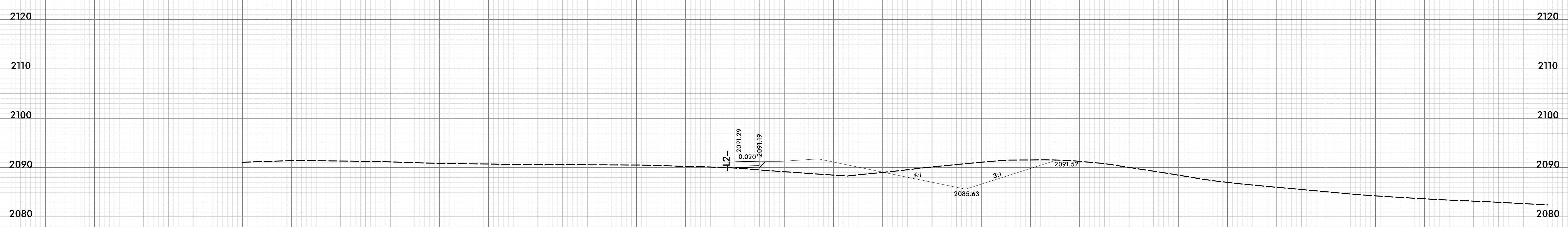


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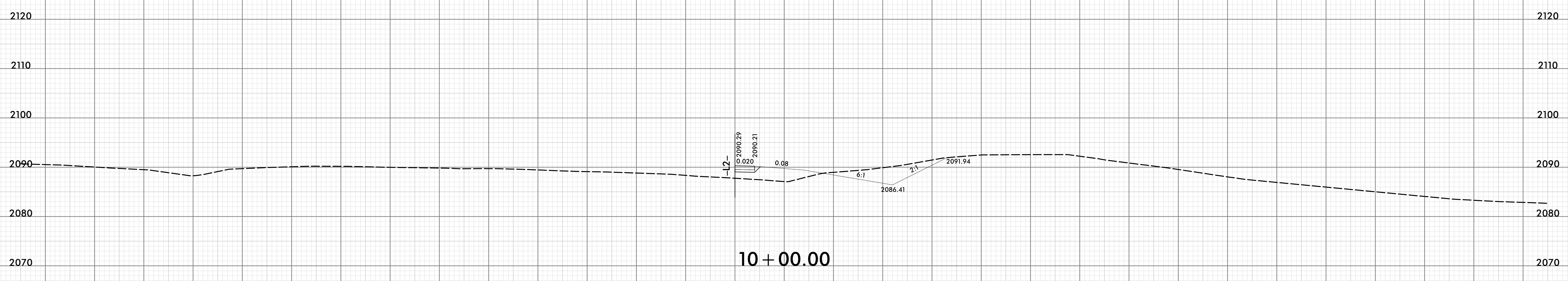
SHEET NO.
X-1



11 + 00.00



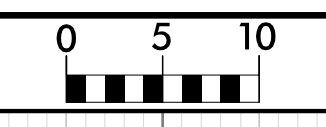
10 + 50.00



10 + 00.00

L1

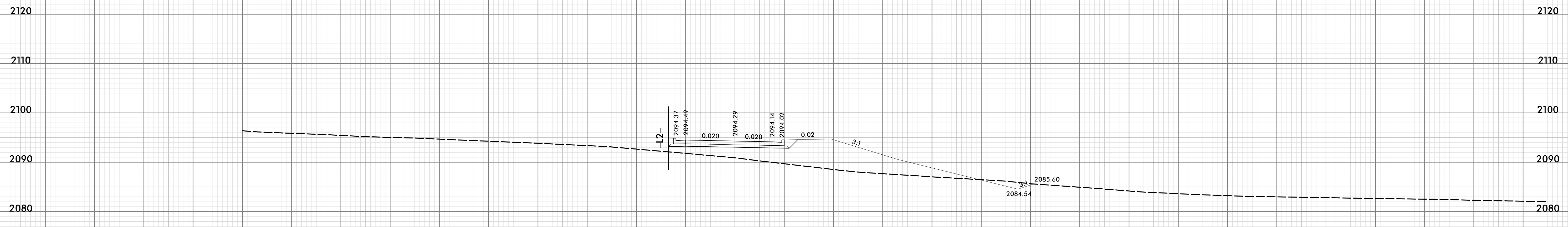
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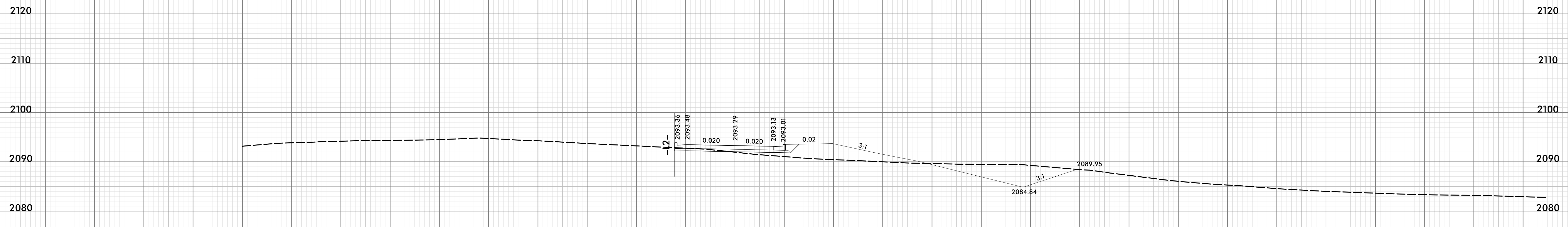
PROJ. REFERENCE NO.
I-4400C

SHEET NO.
X-2

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12 + 00.00

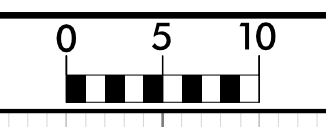


11 + 50.00

L1

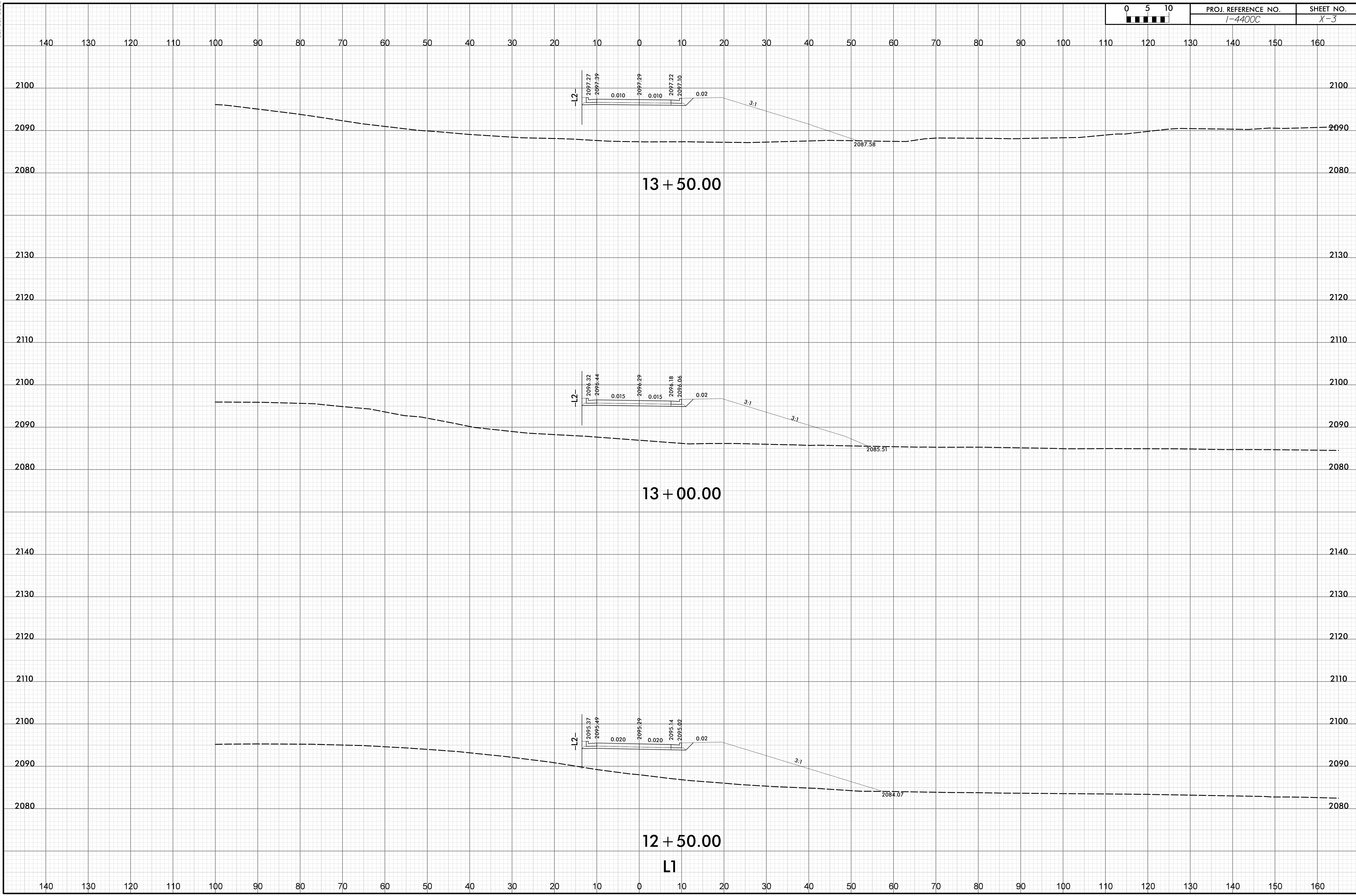
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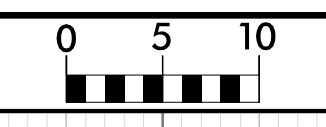


PROJ. REFERENCE NO.
I-4400C

SHEET NO.
X-3

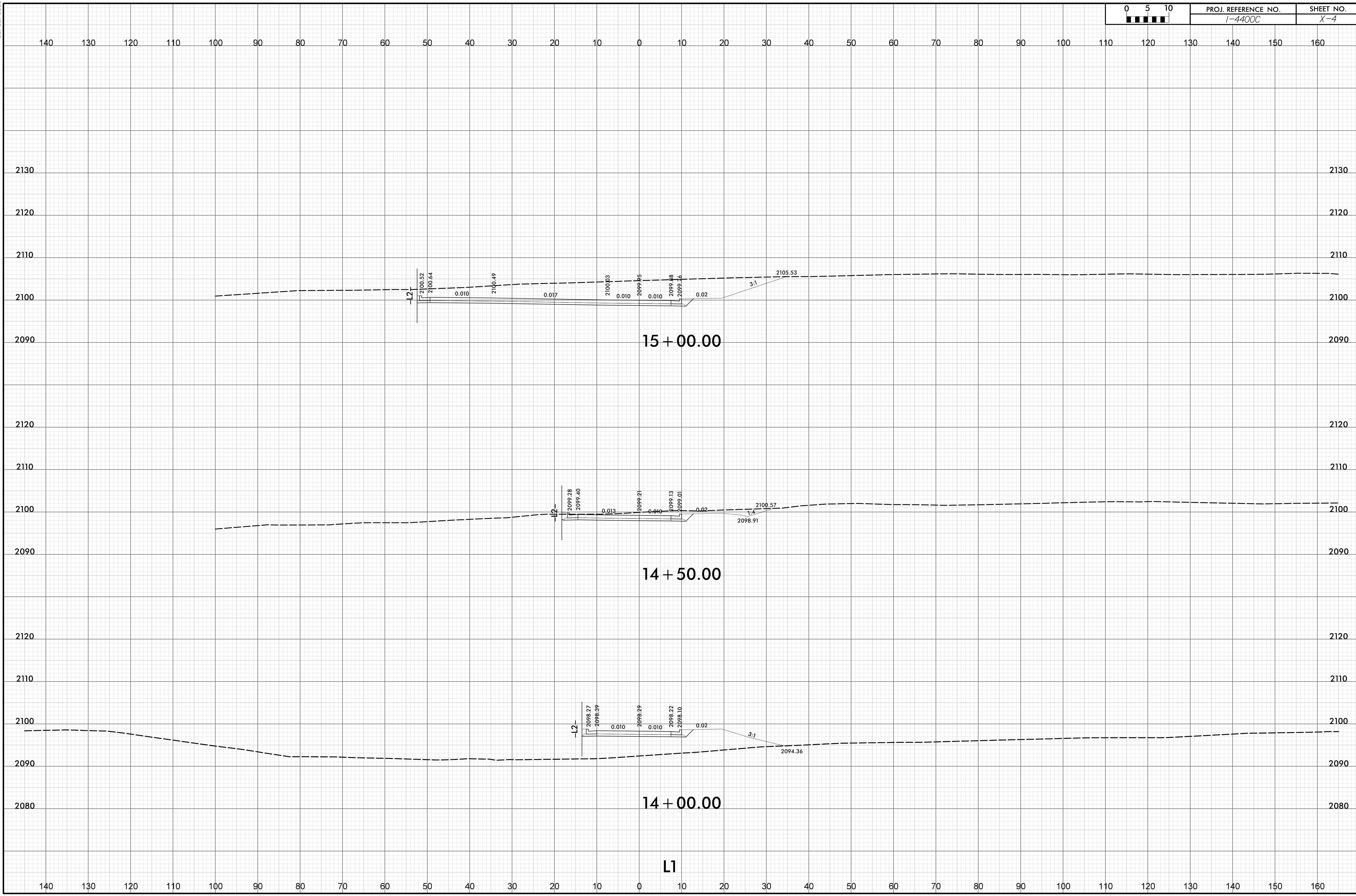


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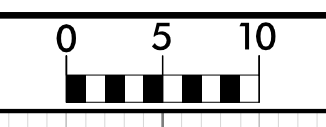
PROJ. REFERENCE NO.
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SHEET NO.
X-4



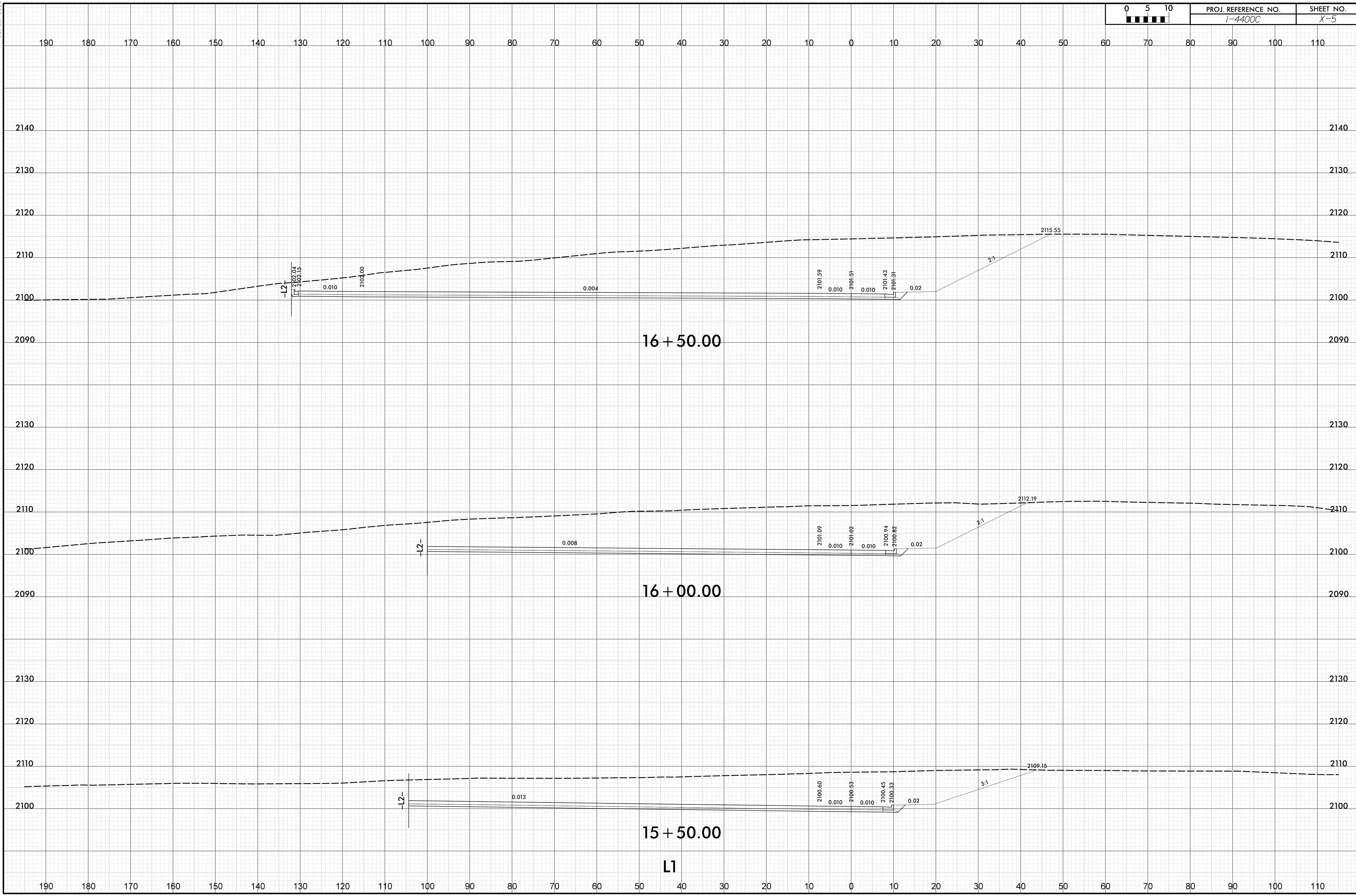
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L1

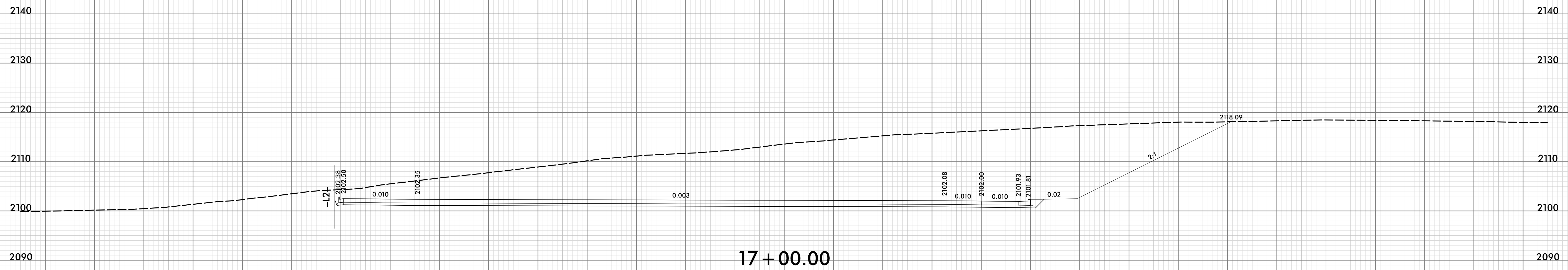
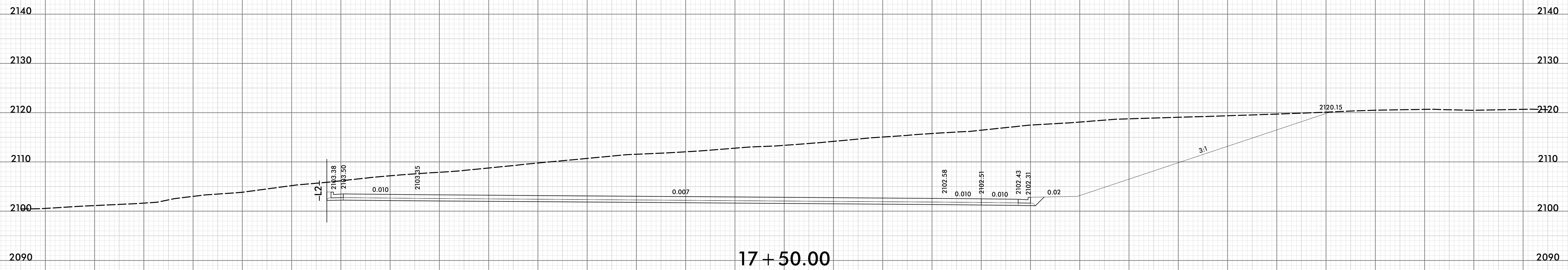
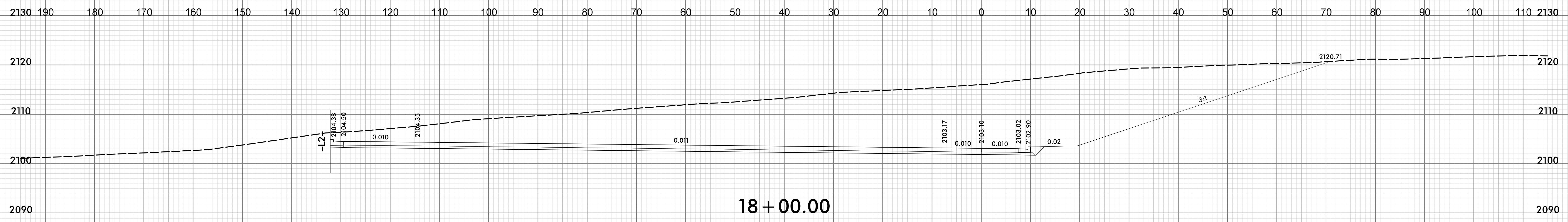


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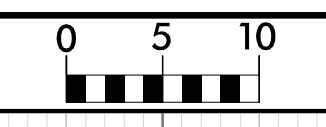
SHEET NO.
X-5



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HNIB

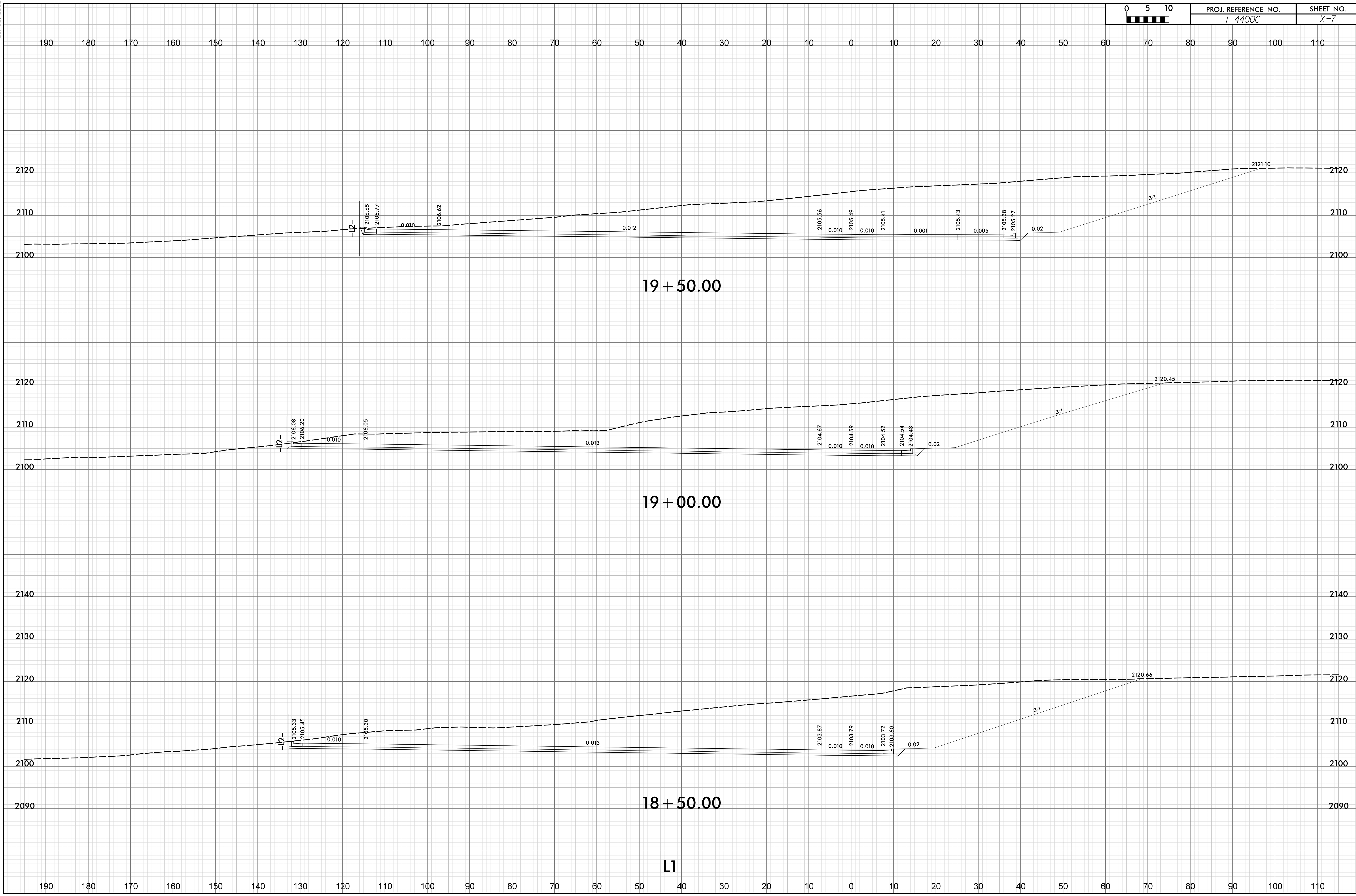


L1

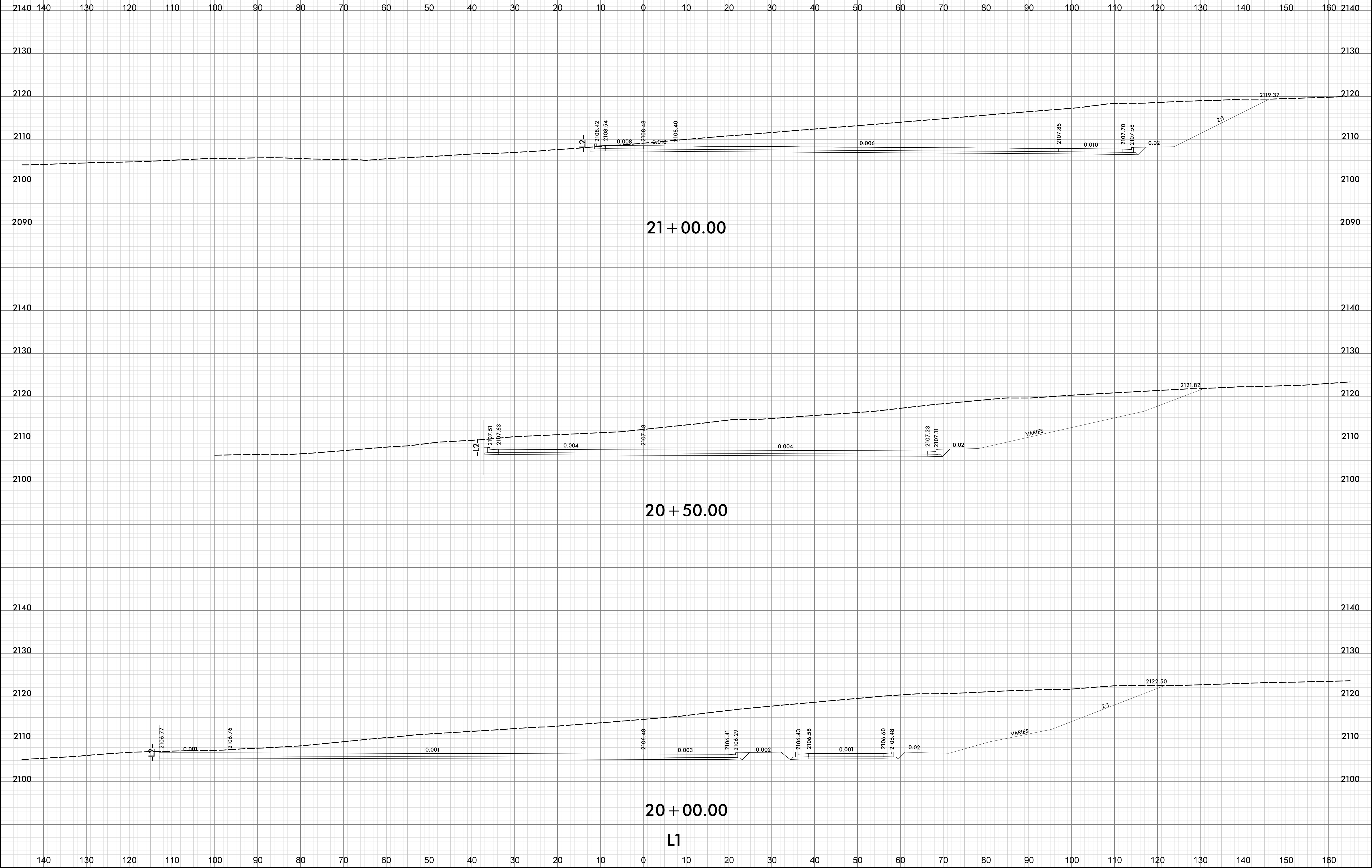


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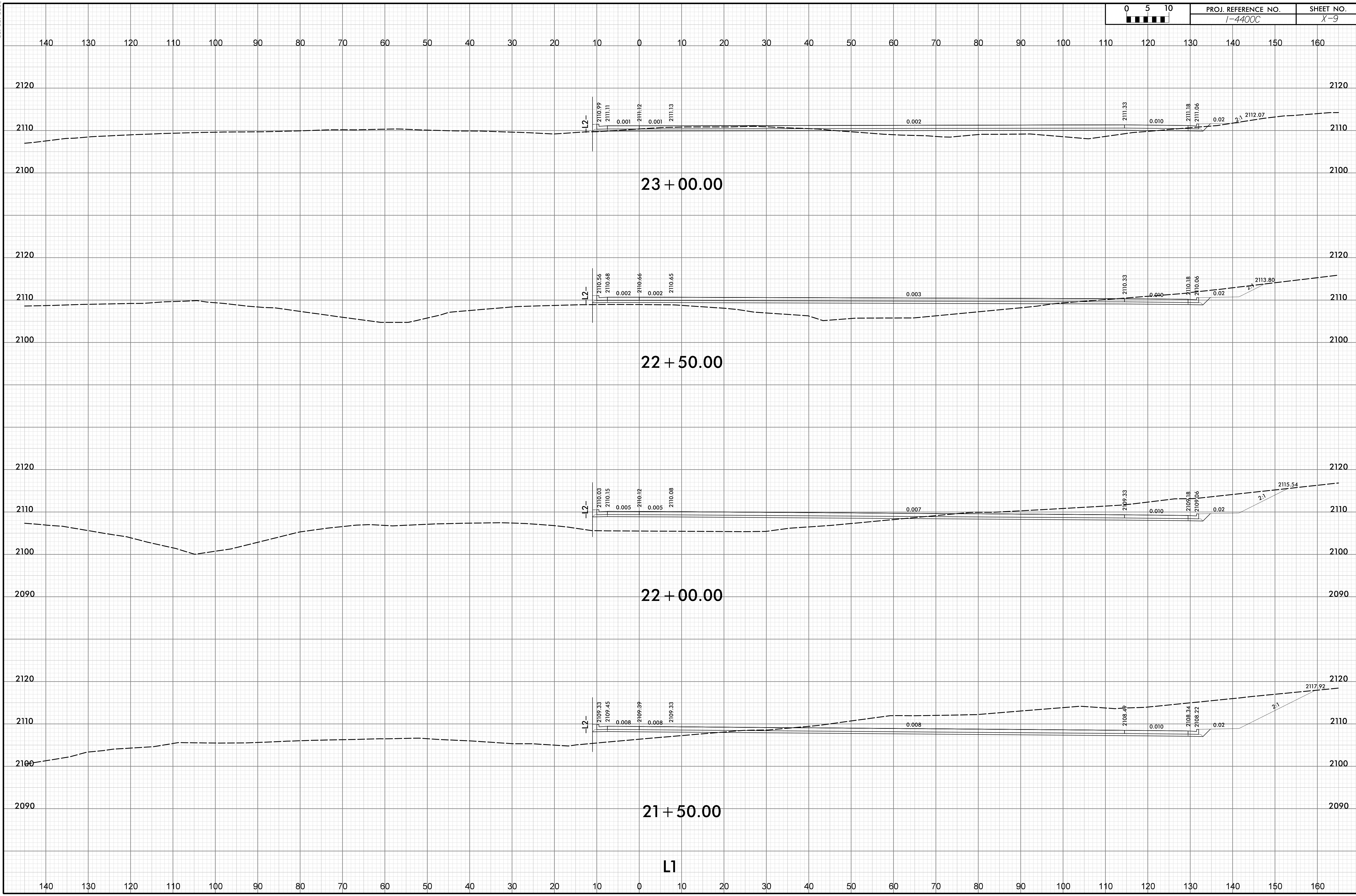
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X-7



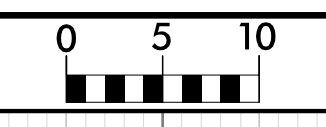
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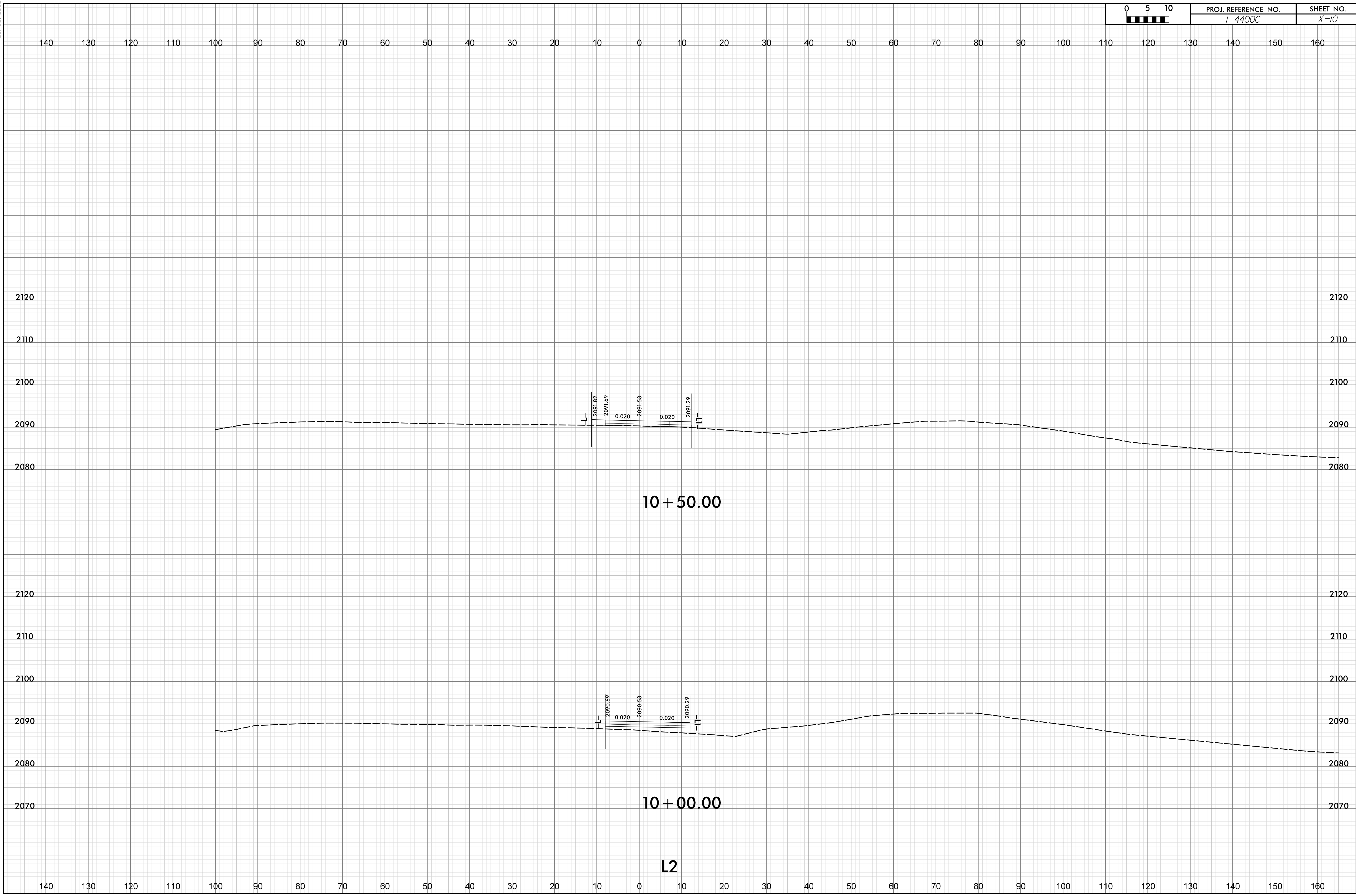


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PROJ. REFERENCE NO.
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SHEET NO.
X-10

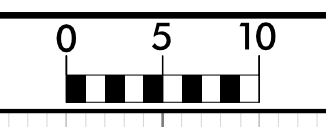


10 + 50.00

10 + 00.00

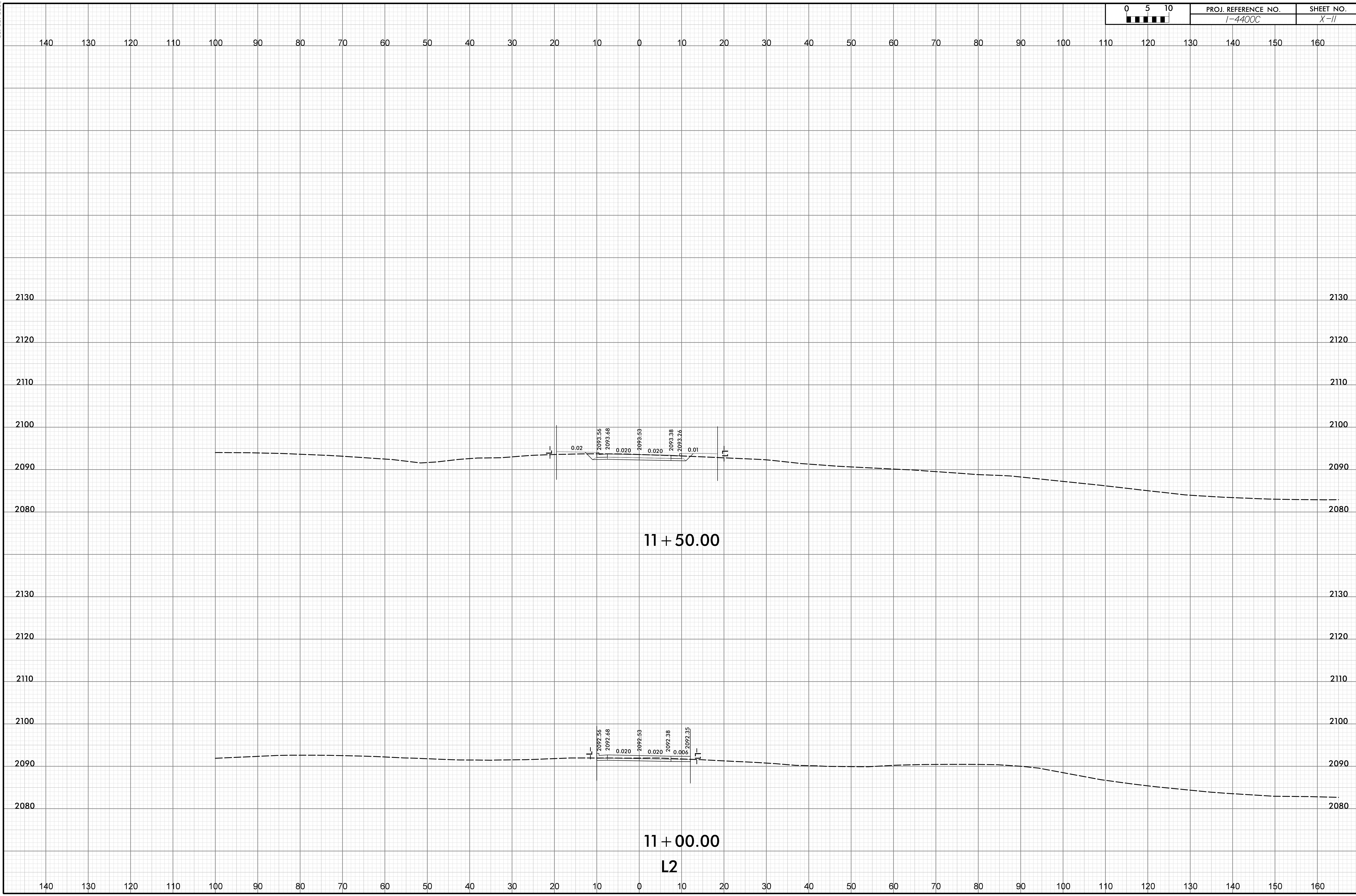
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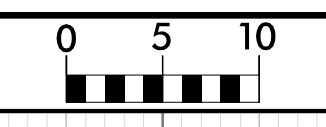


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SHEET NO.
X-II

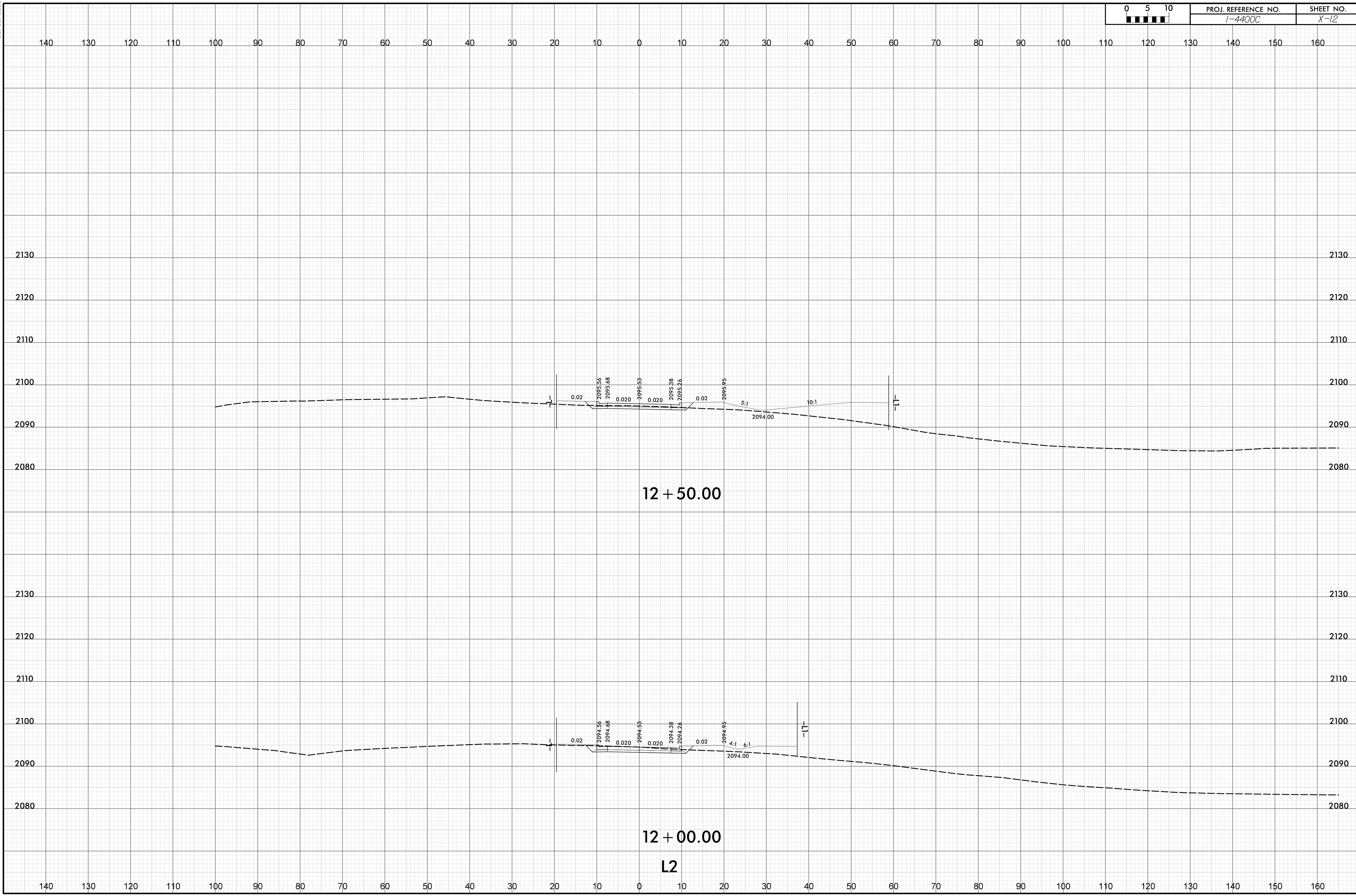


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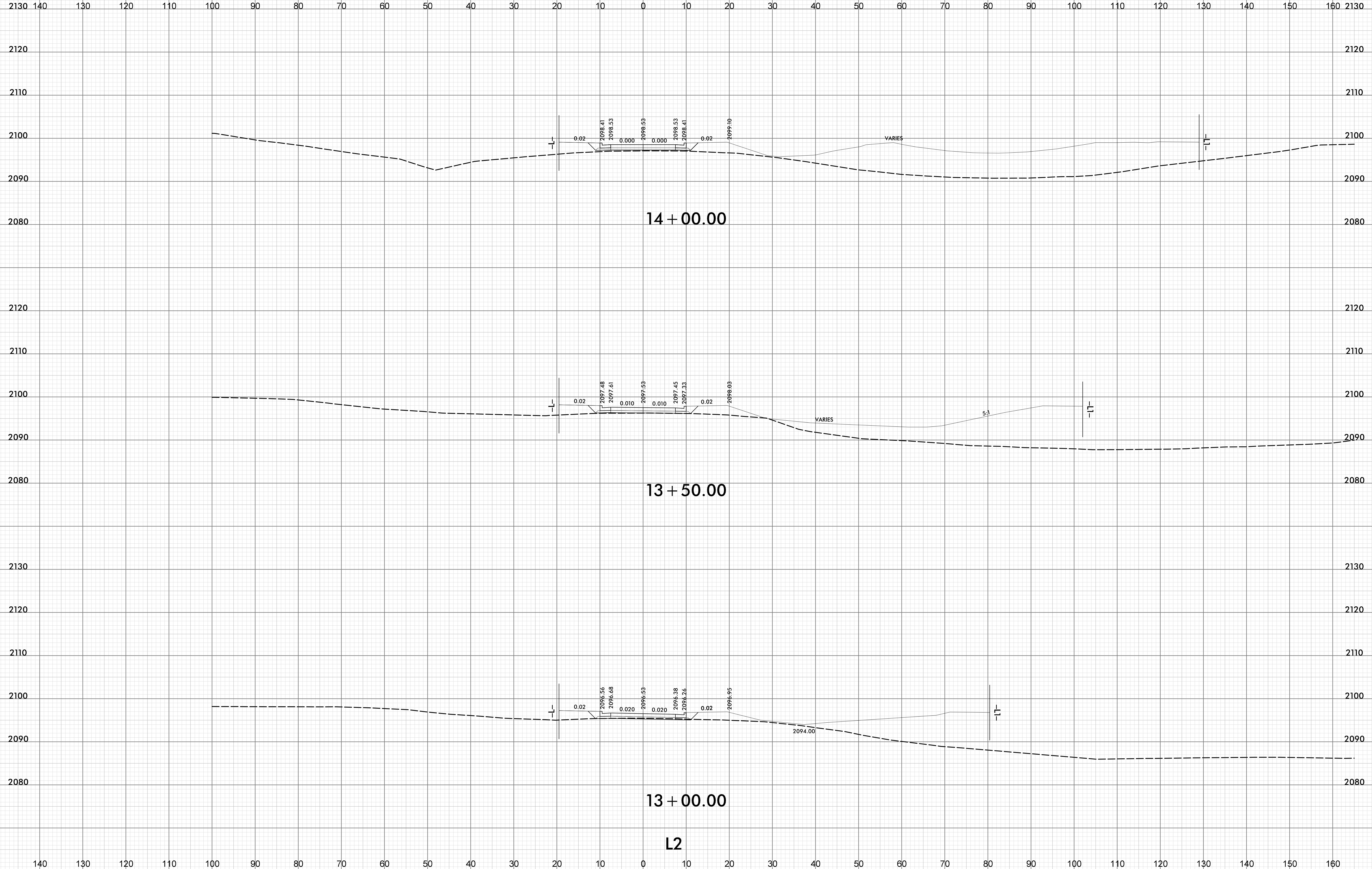


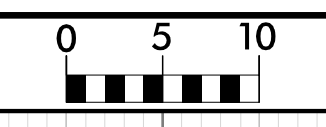
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SHEET NO.
X-12



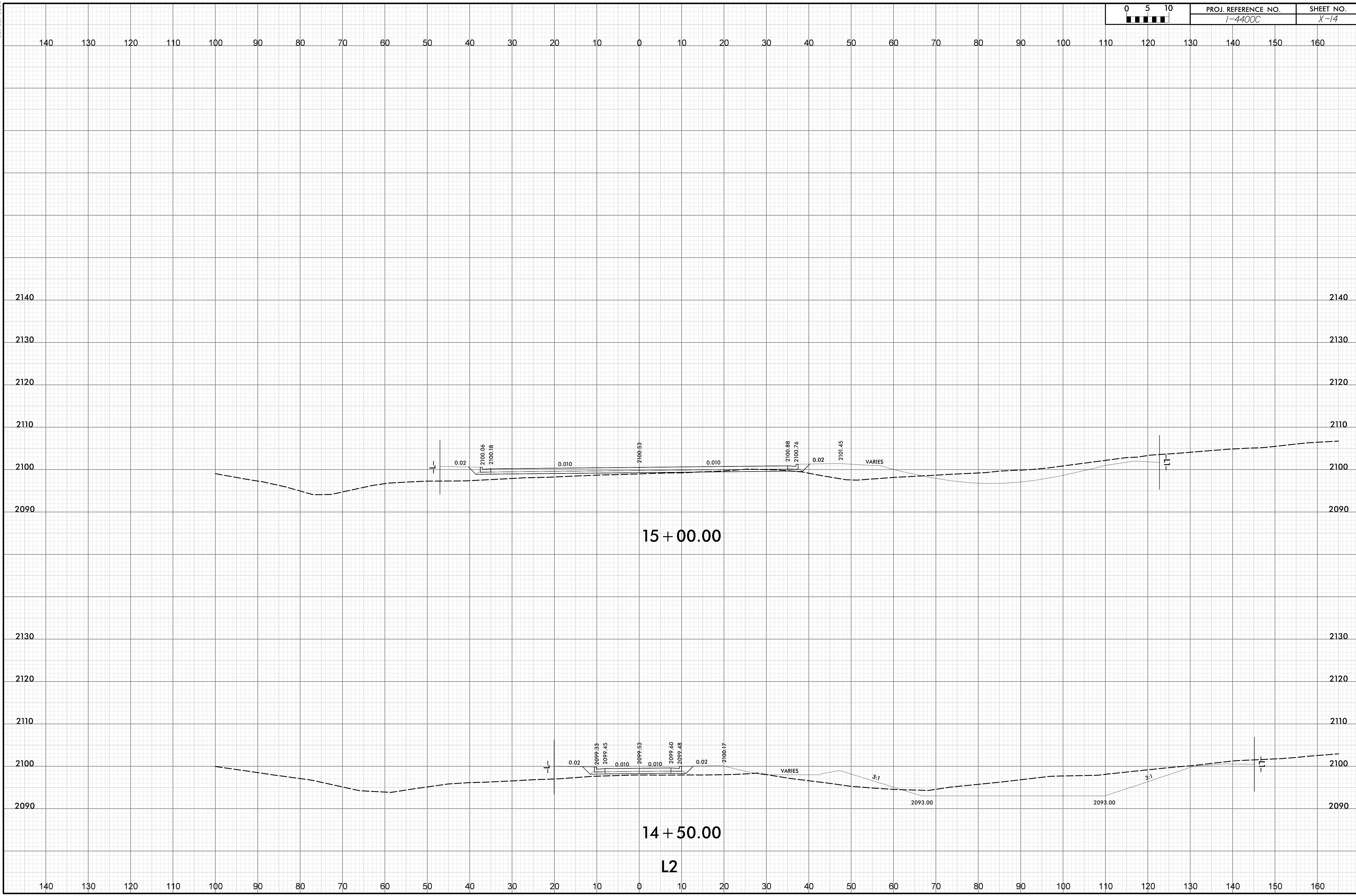
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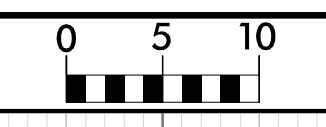


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SHEET NO.
X-14

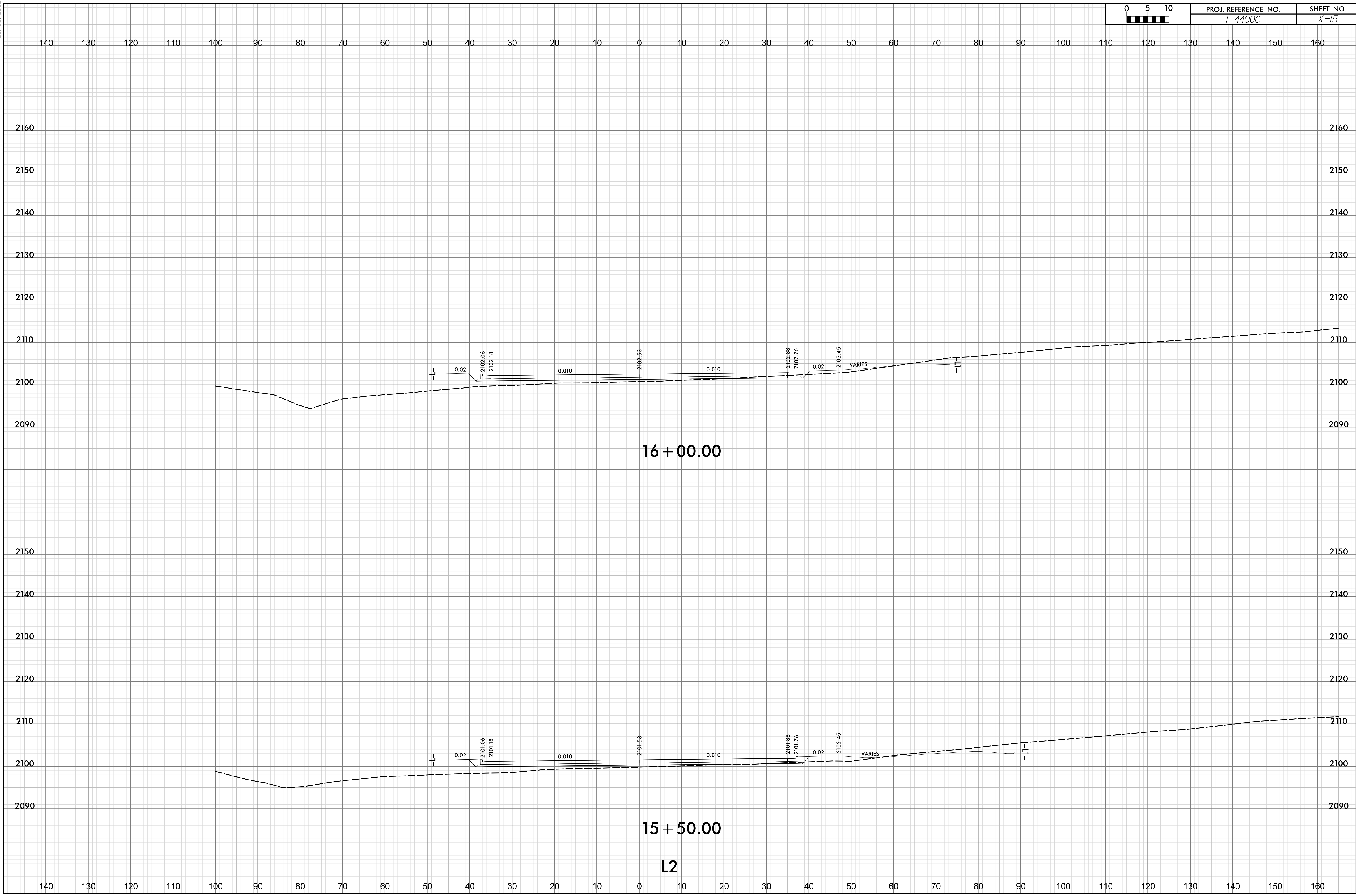


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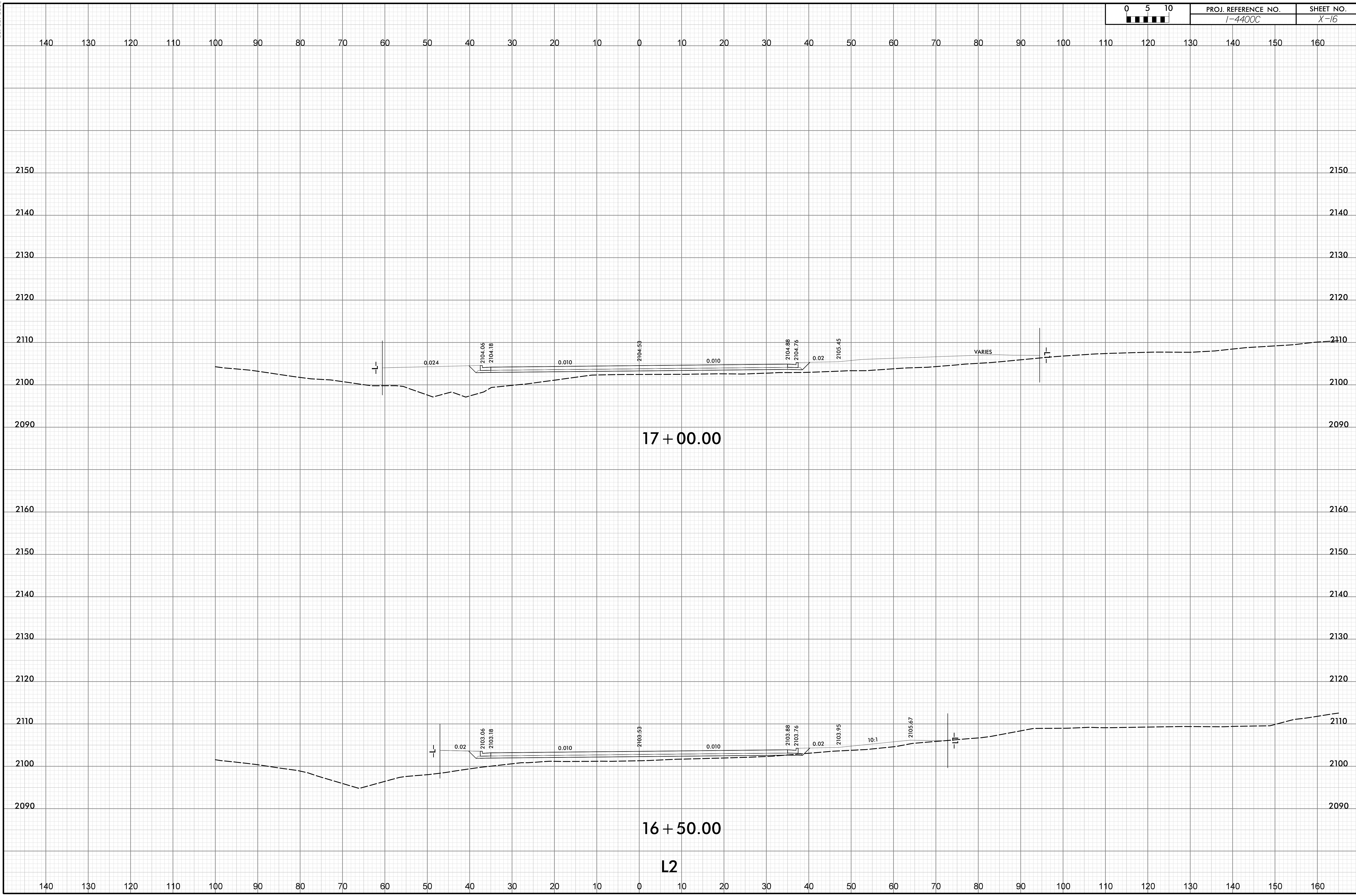


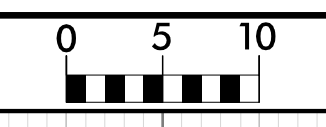
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SHEET NO.
X-15



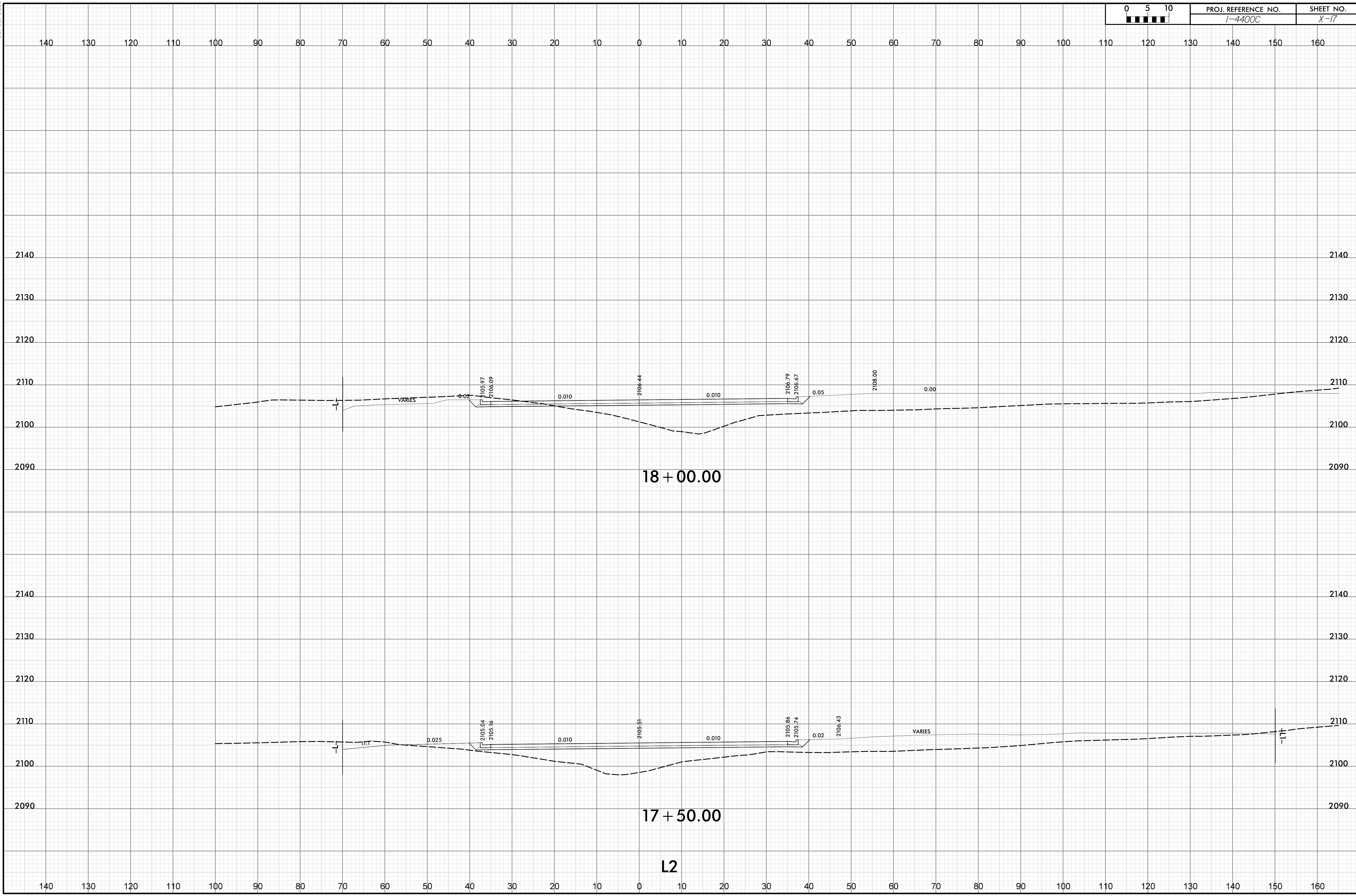
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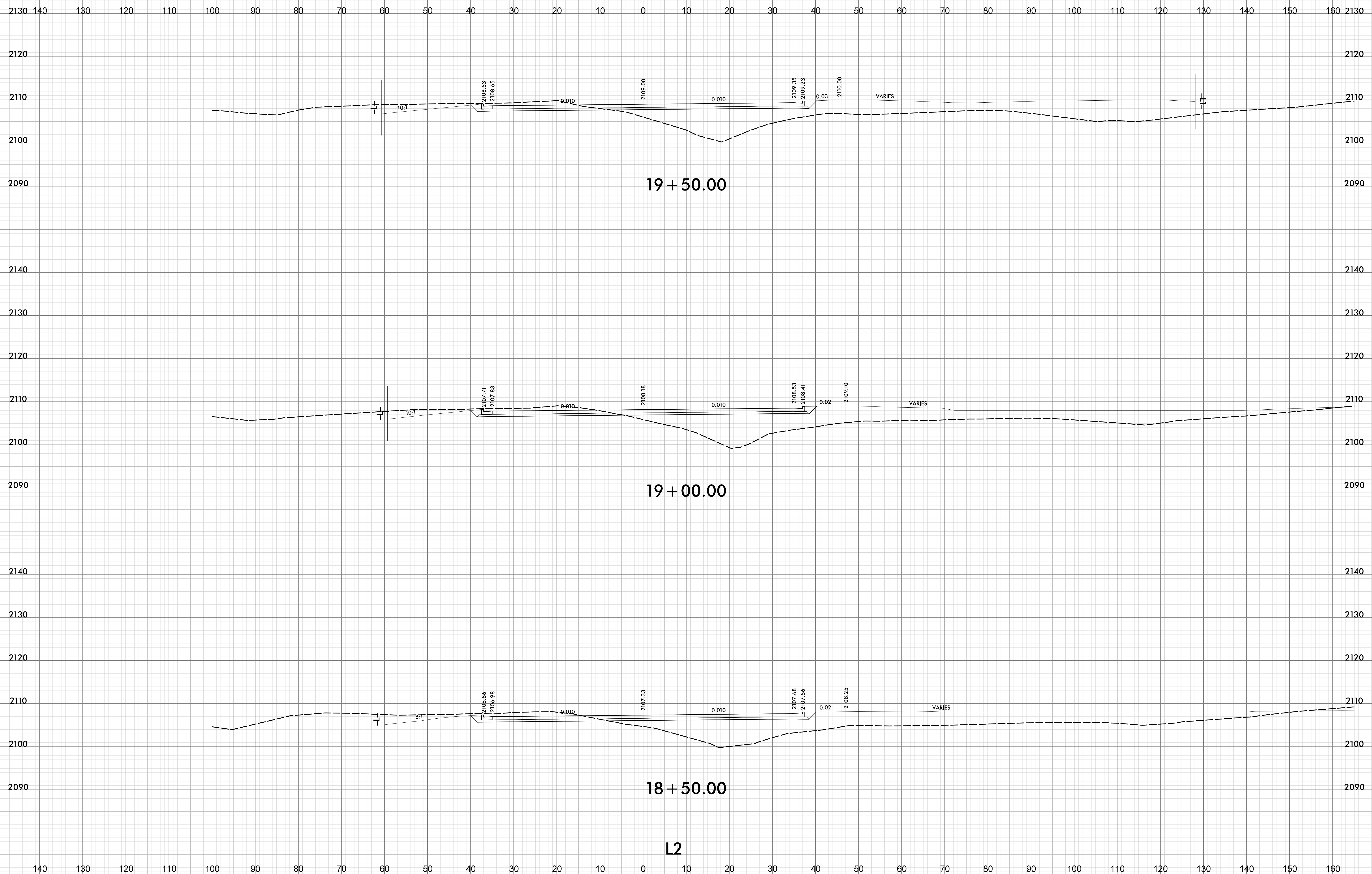


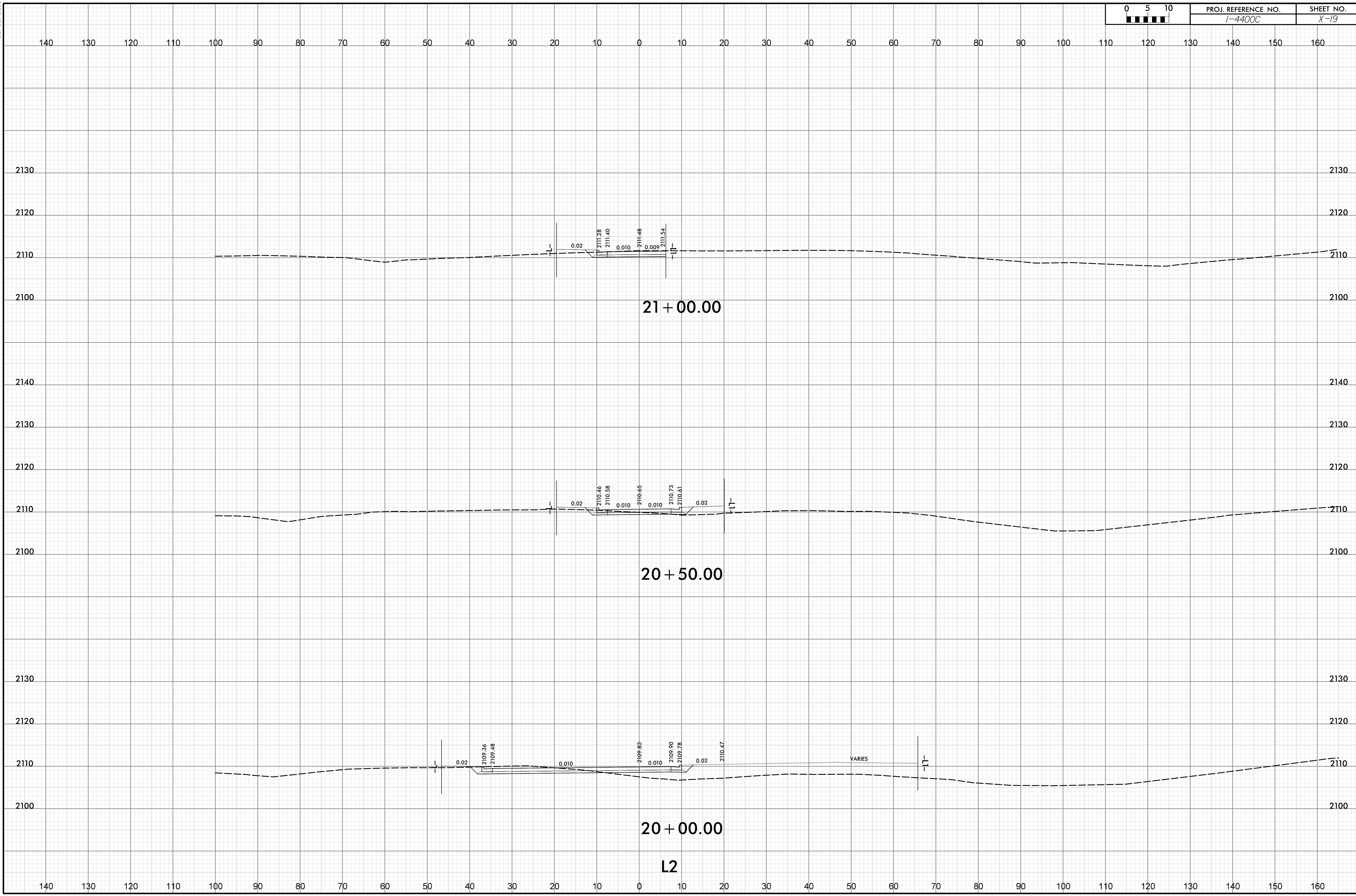
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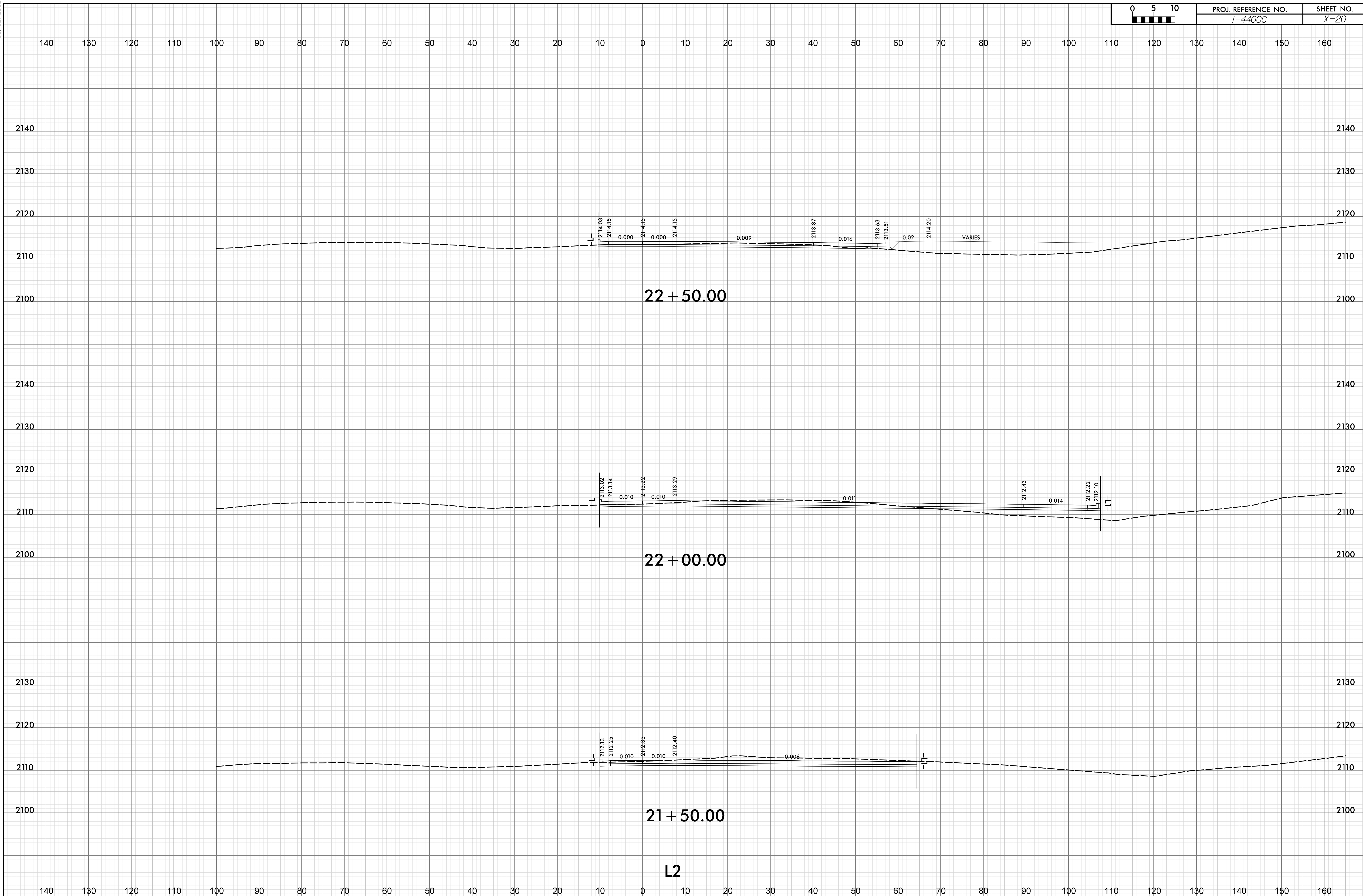
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X-17

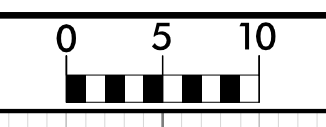


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PROJ. REFERENCE NO.
I-4400C

SHEET NO.
X-21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

2160 2160

2150 2150

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2110 2110

23 + 50.00

2150 2150

2140 2140

2130 2130

2120 2120

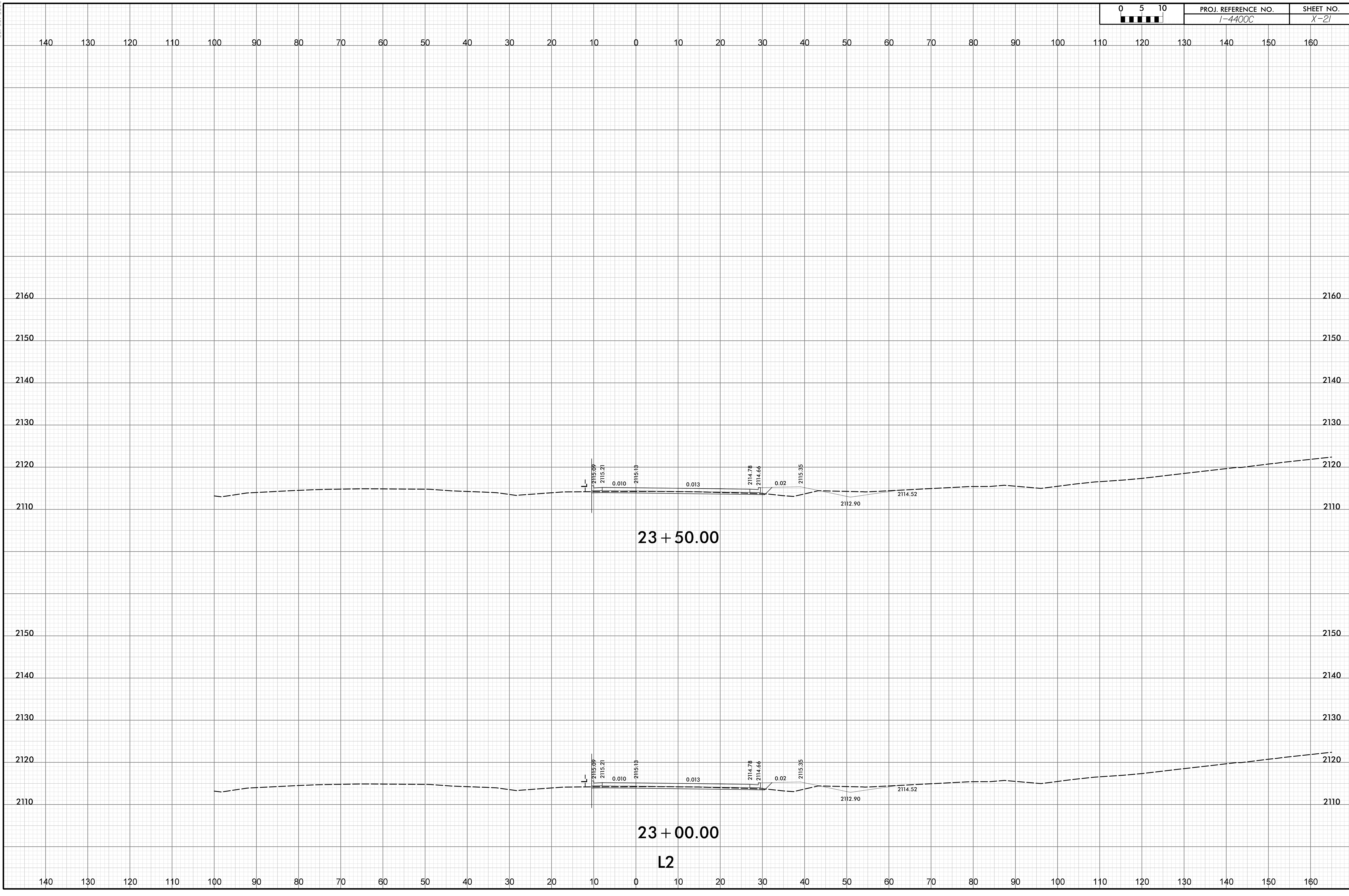
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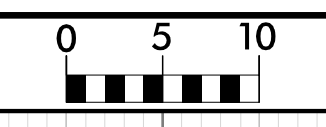
23 + 00.00

L2

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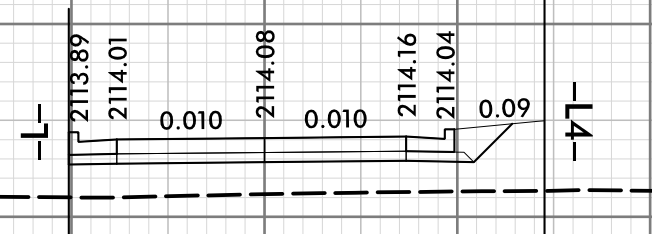
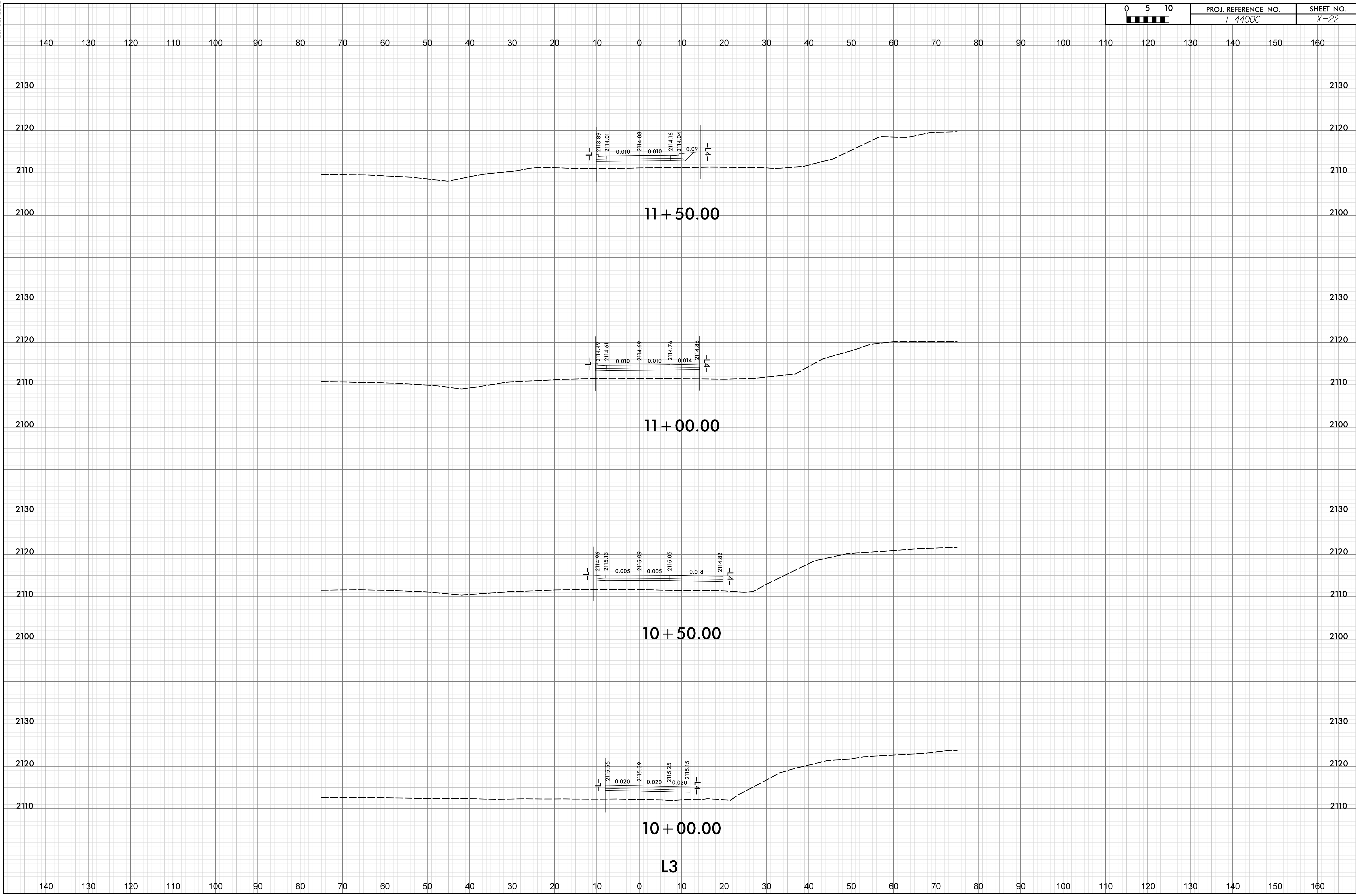
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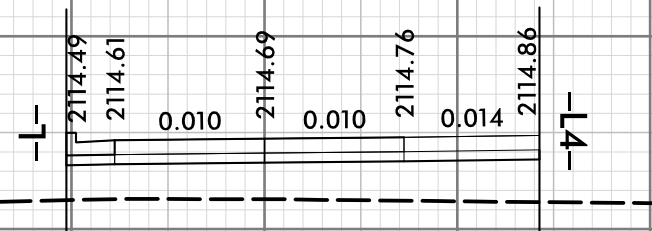


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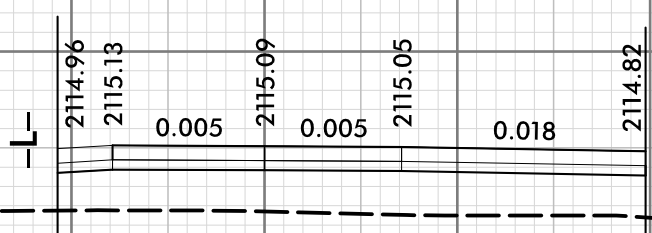
SHEET NO.
X-22



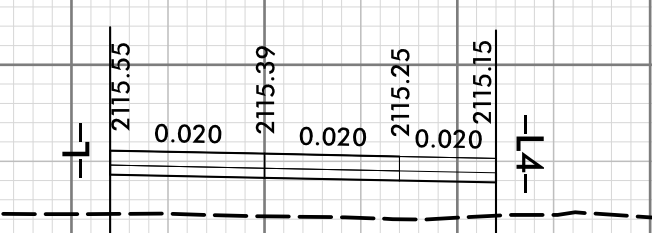
11 + 50.00



11 + 00.00



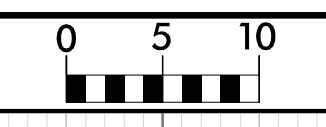
10 + 50.00



10 + 00.00

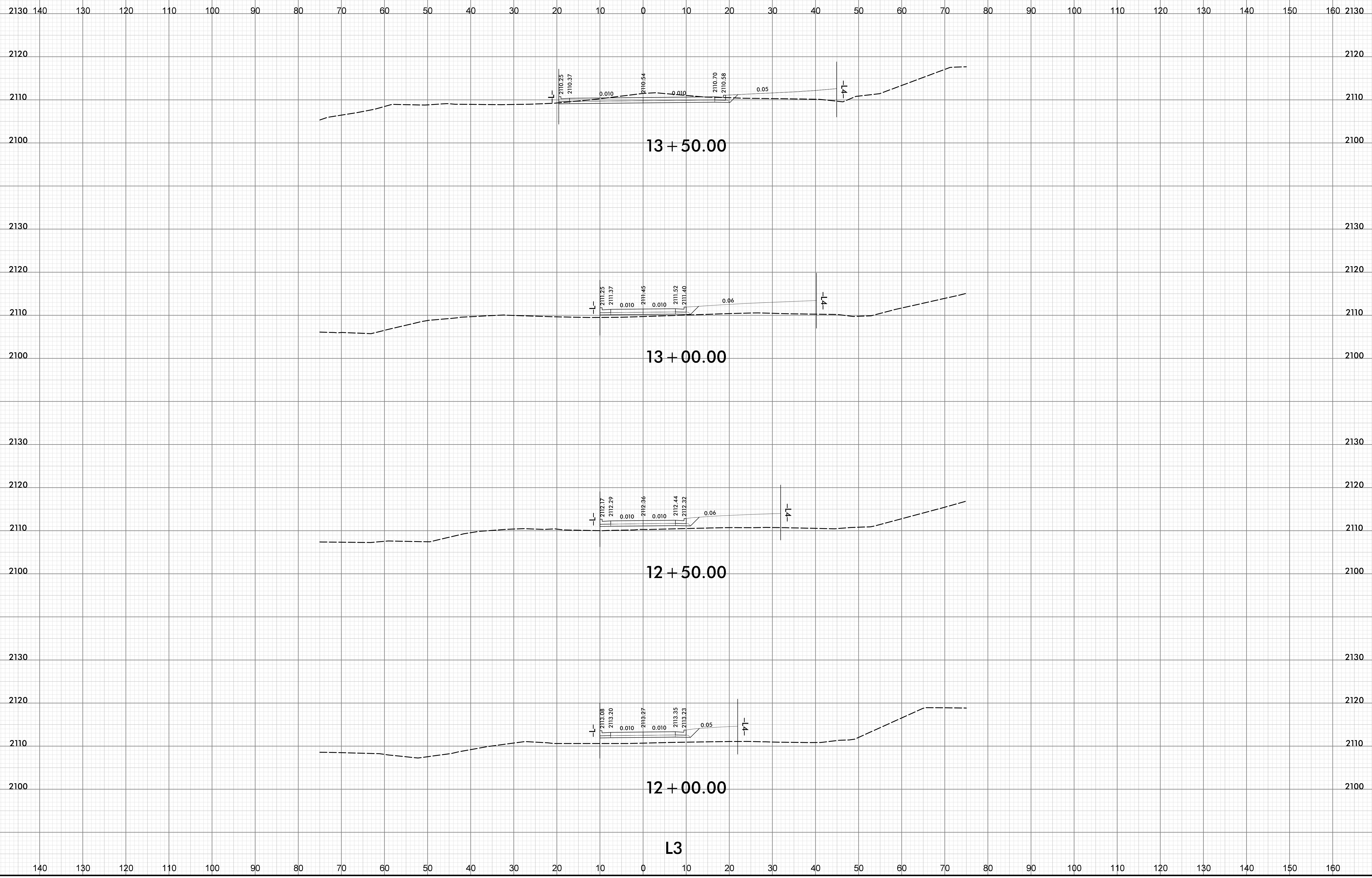
L3

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HNIB

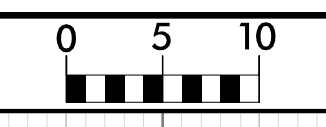


PROJ. REFERENCE NO.
I-4400C

SHEET NO.
X-23

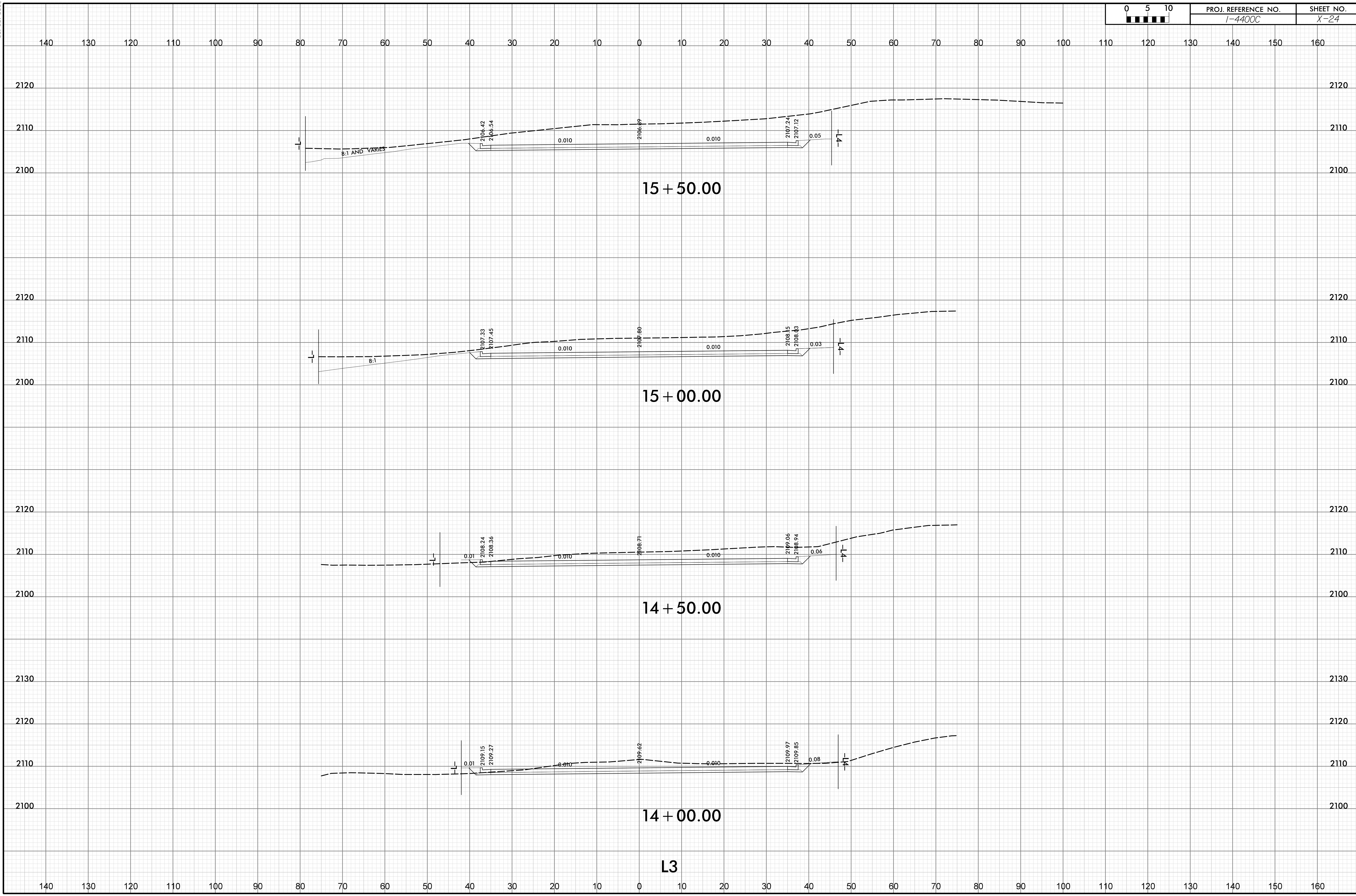


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PROJ. REFERENCE NO.
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SHEET NO.
X-24



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HNIB

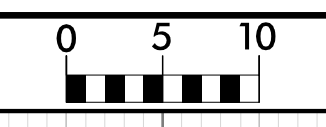
15 + 50.00

15 + 00.00

14 + 50.00

14 + 00.00

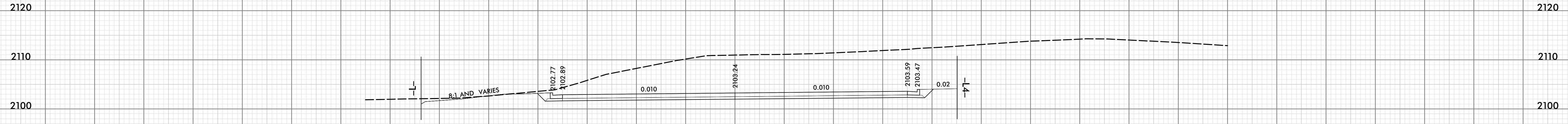
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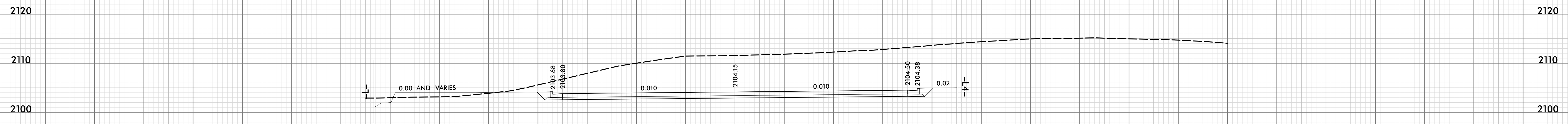
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I-4400C

SHEET NO.
X-25

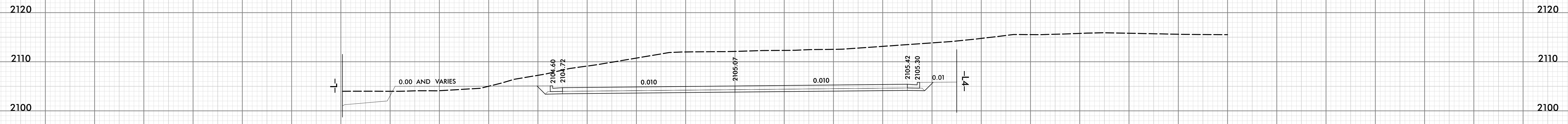
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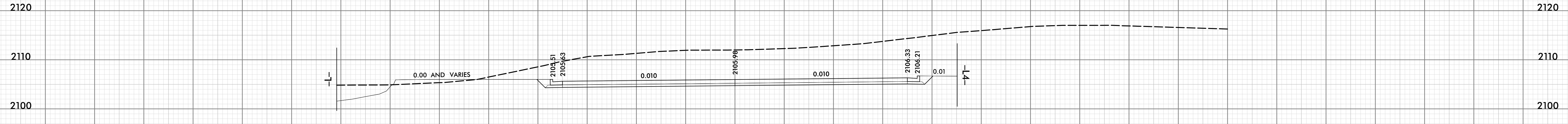
17 + 50.00



17 + 00.00



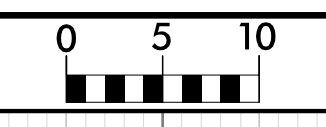
16 + 50.00



16 + 00.00

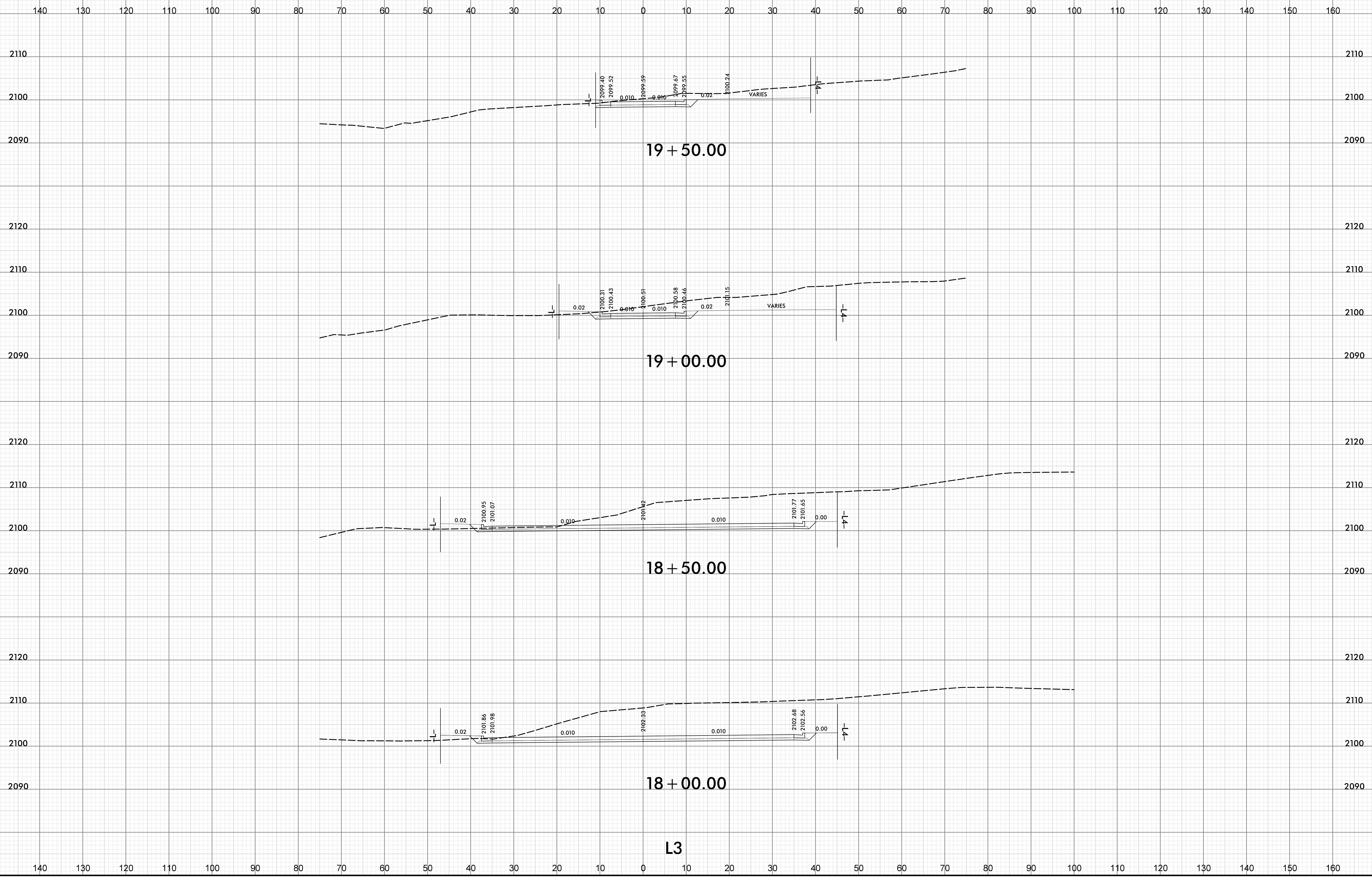
L3

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160



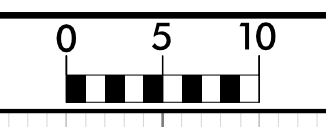
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I-4400C

SHEET NO.
X-26



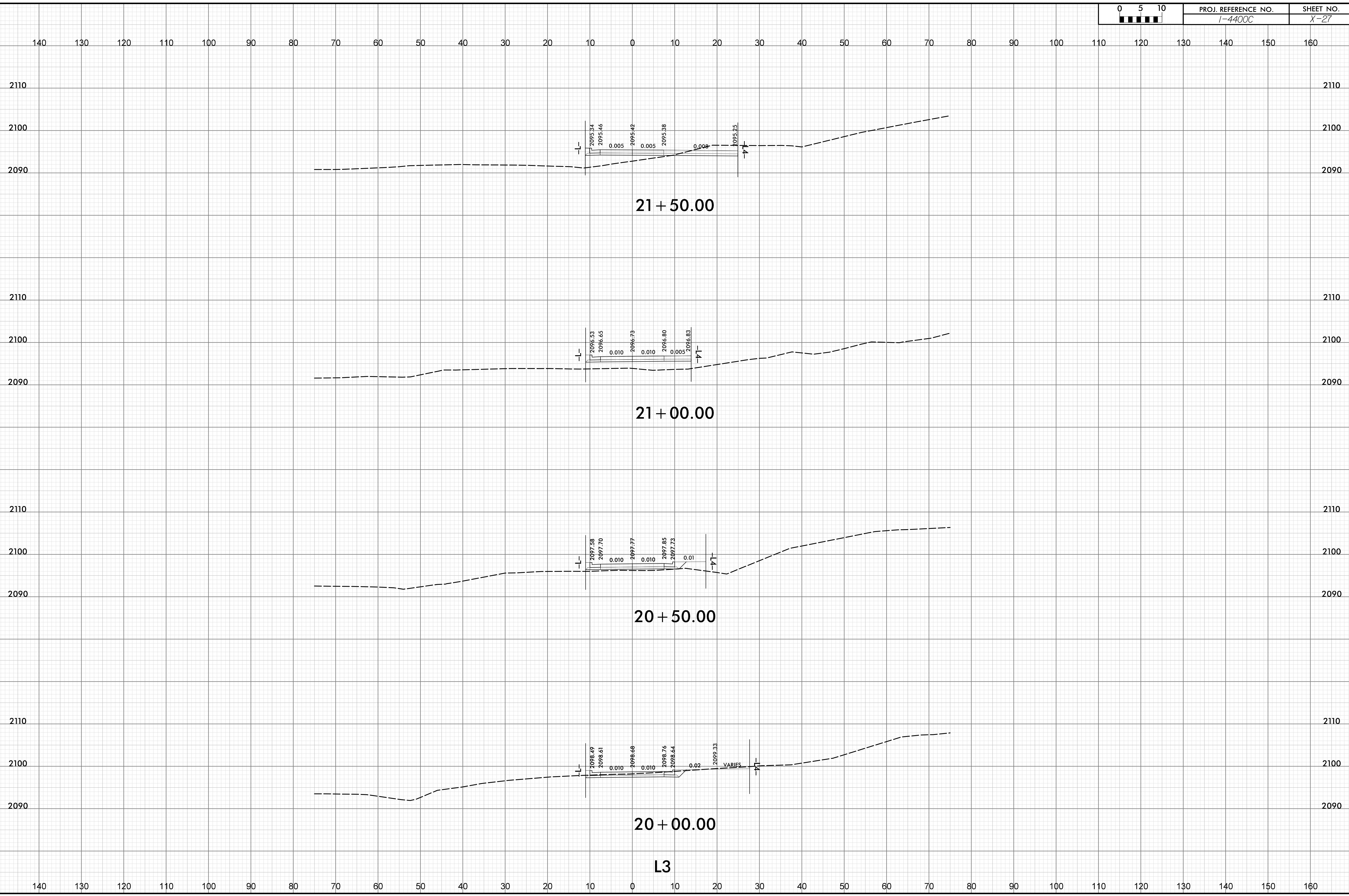
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L3

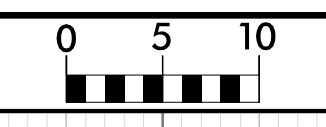


PROJ. REFERENCE NO.
I-4400C

SHEET NO.
X-27



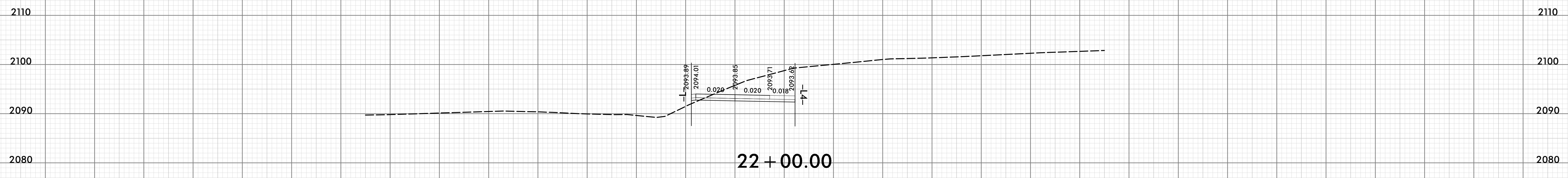
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 HNTB



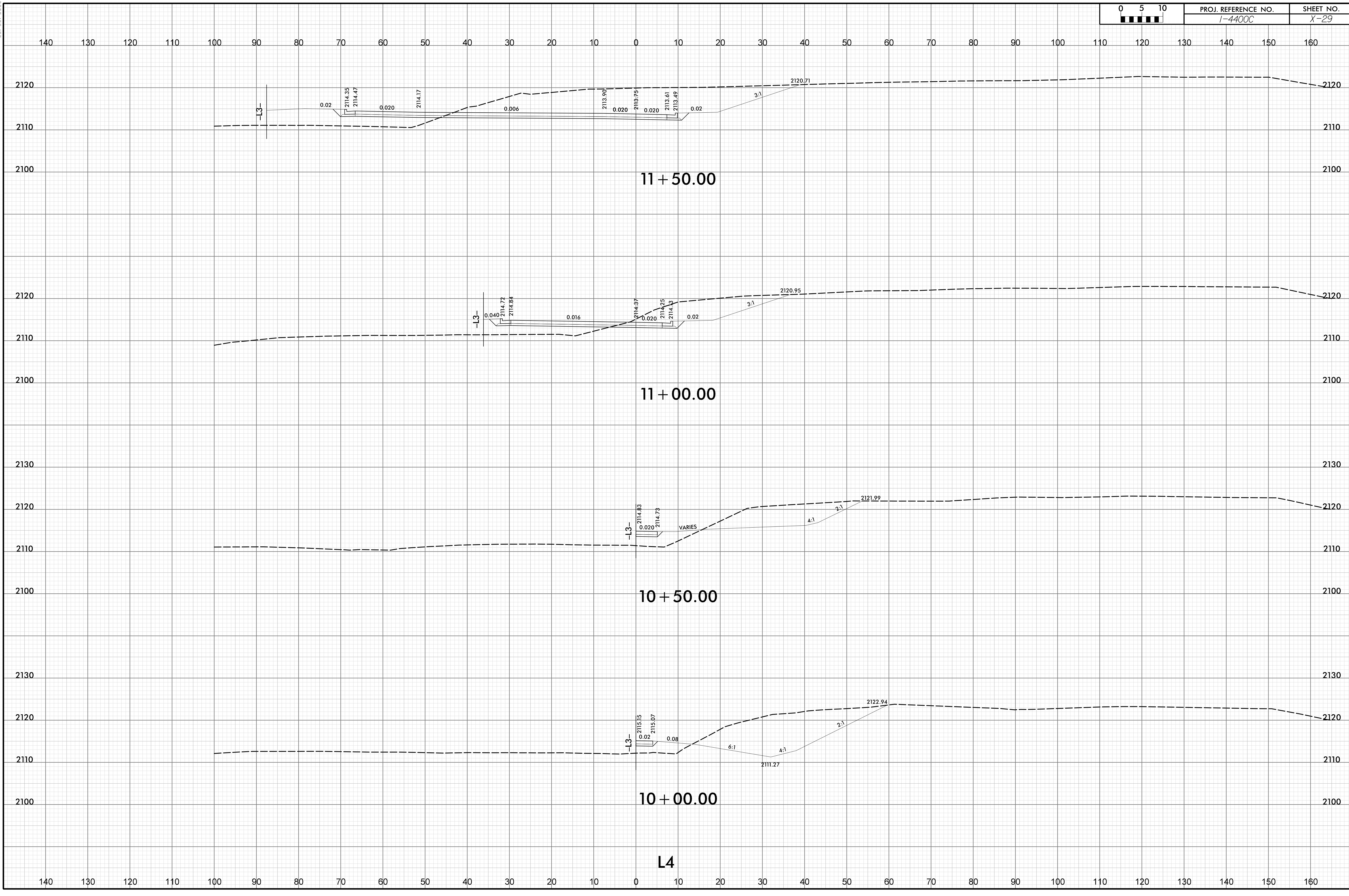
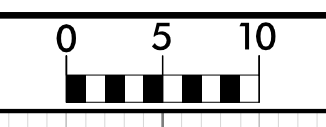
PROJ. REFERENCE NO.
I-4400C

SHEET NO.
X-28

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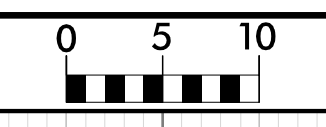
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11 + 00.00

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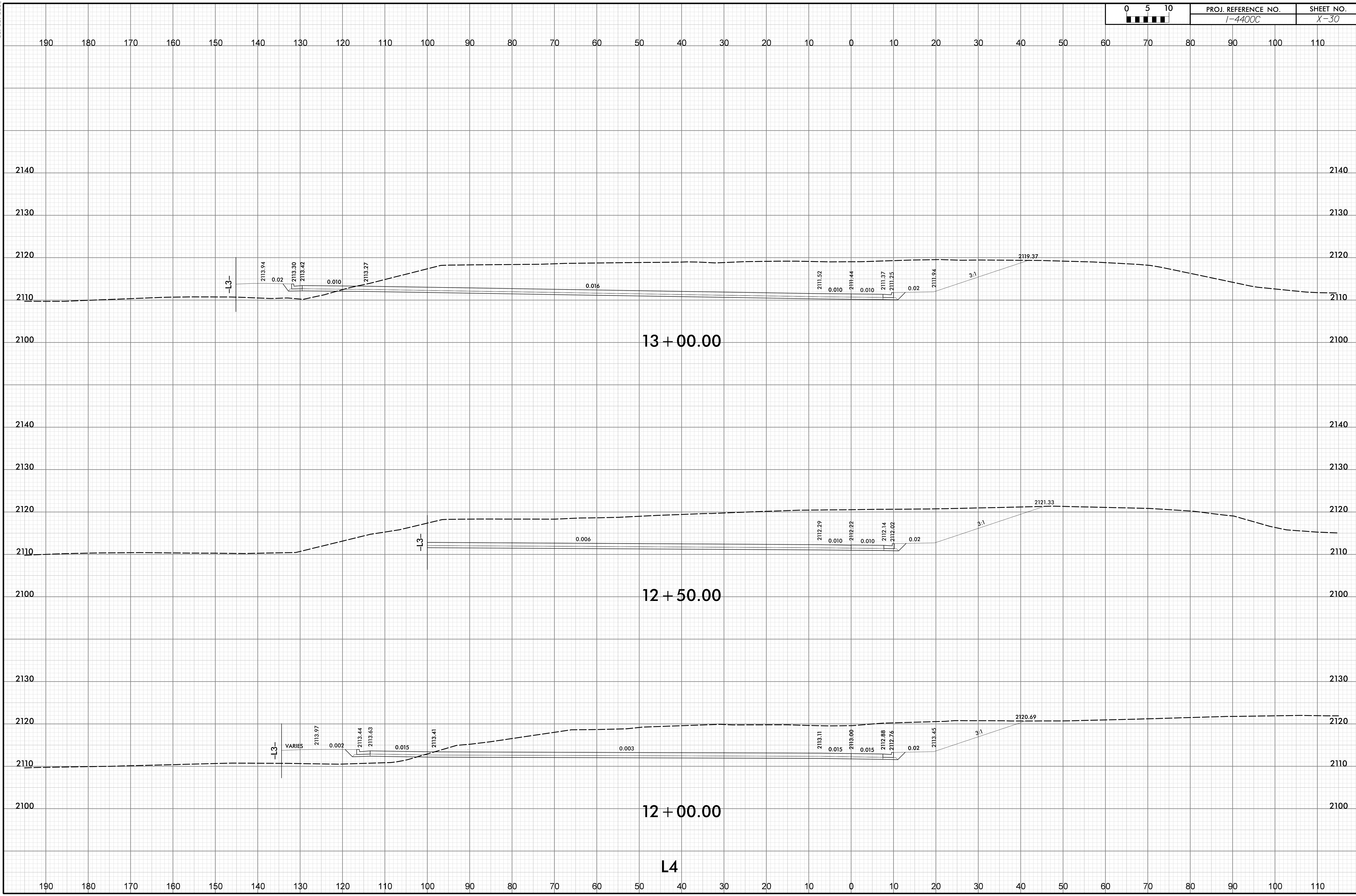
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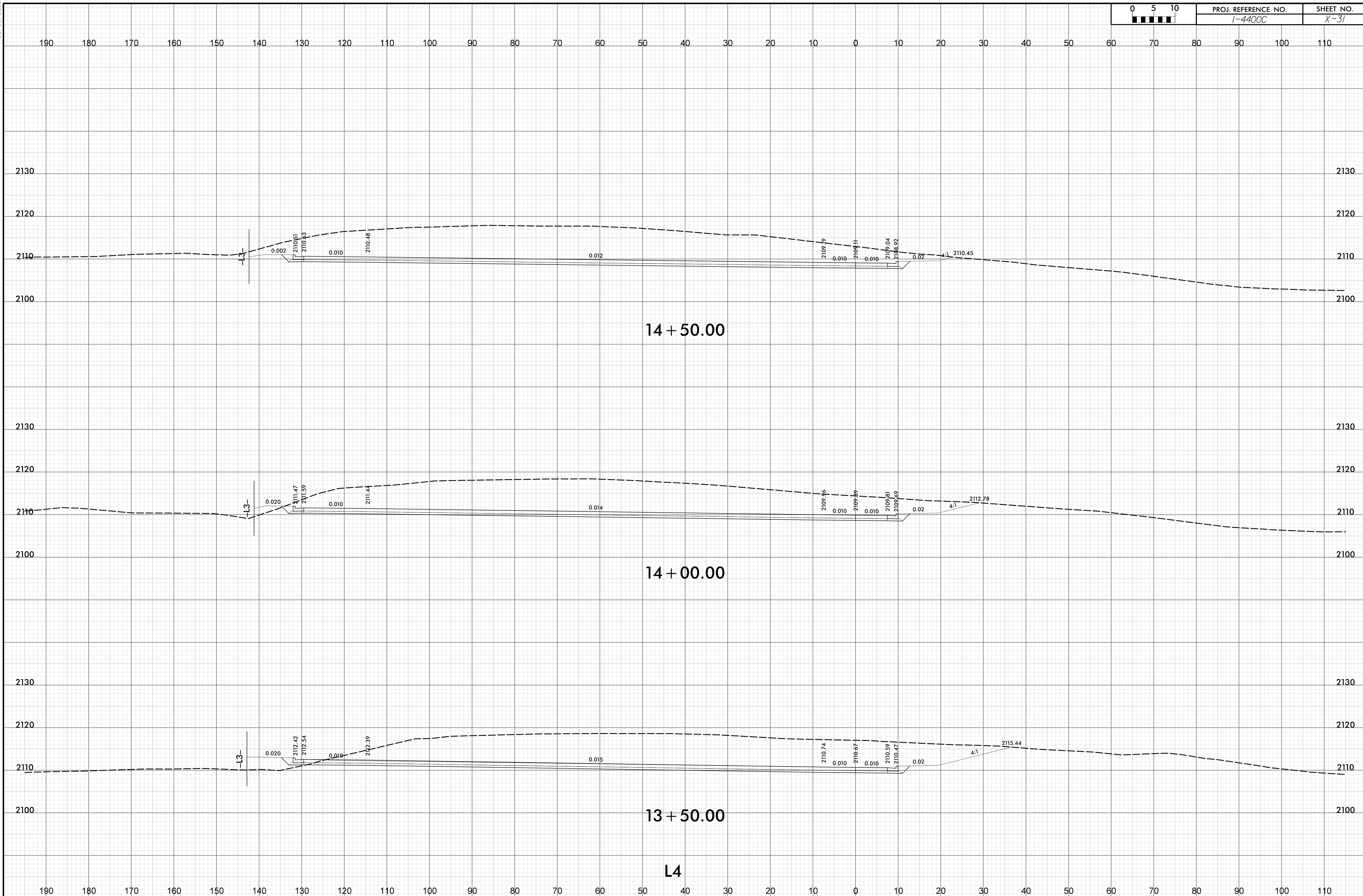


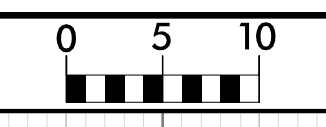
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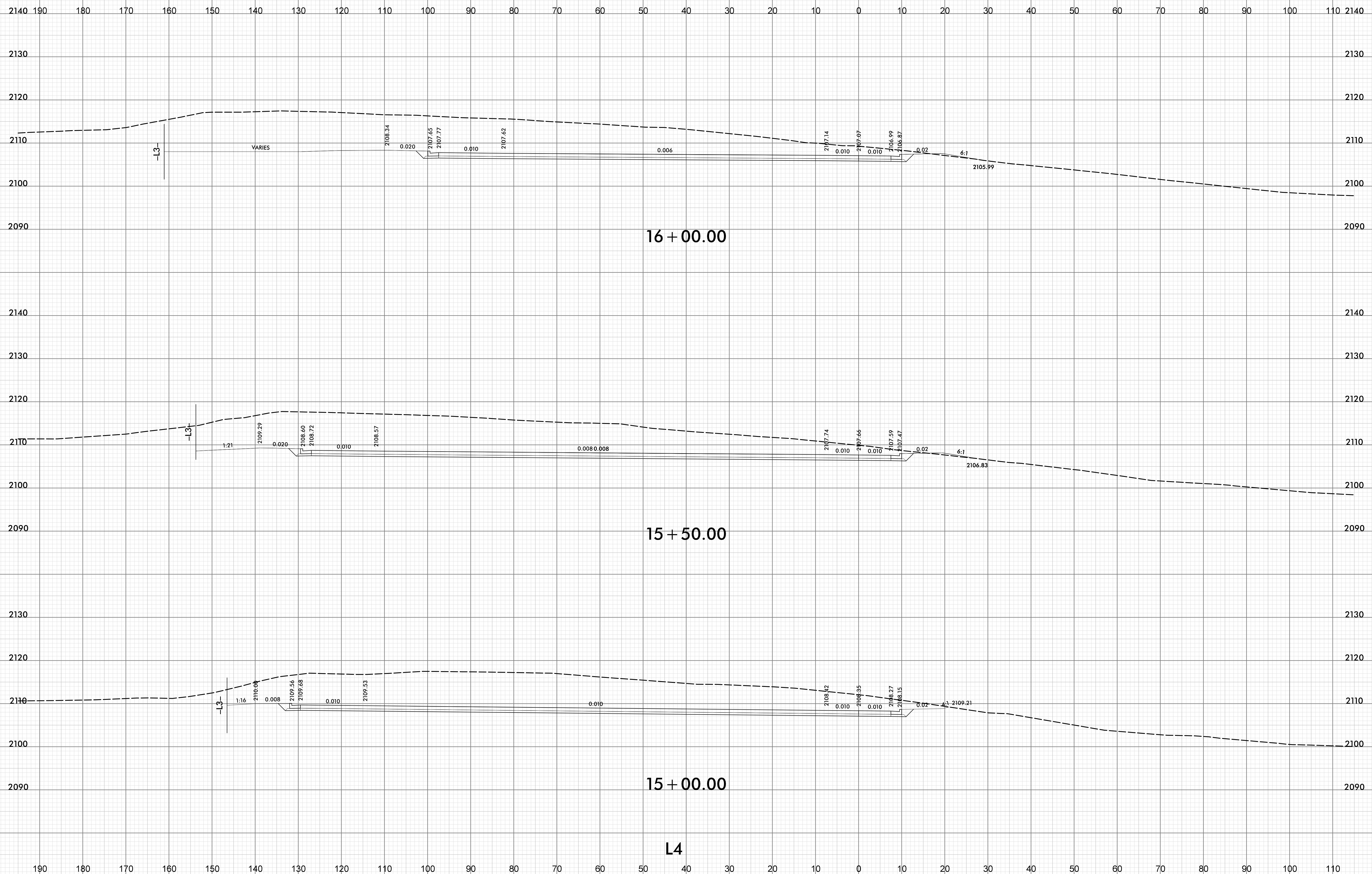
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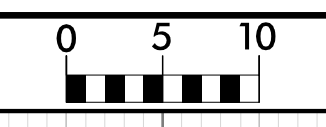


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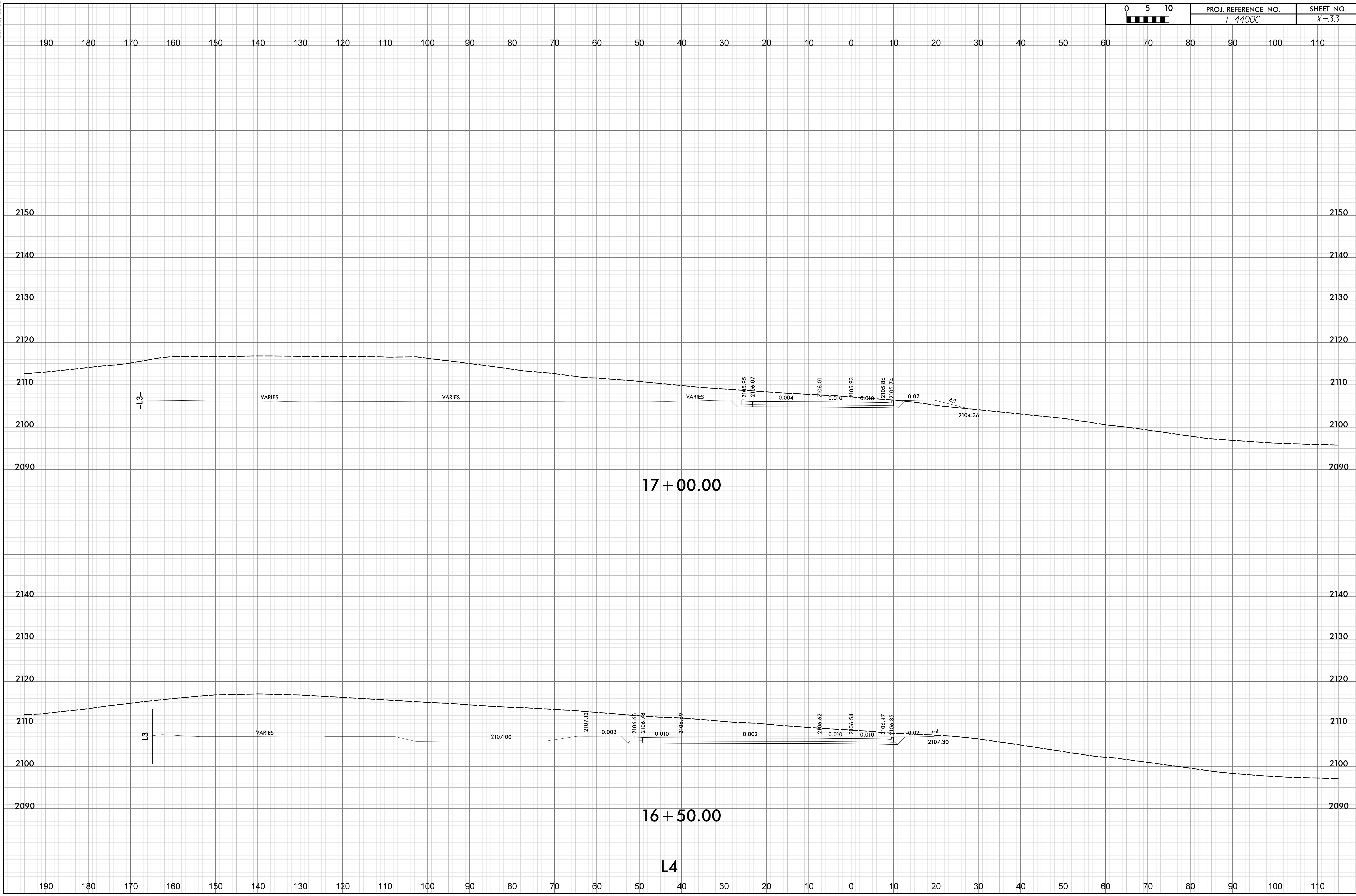


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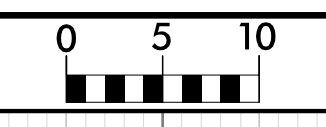


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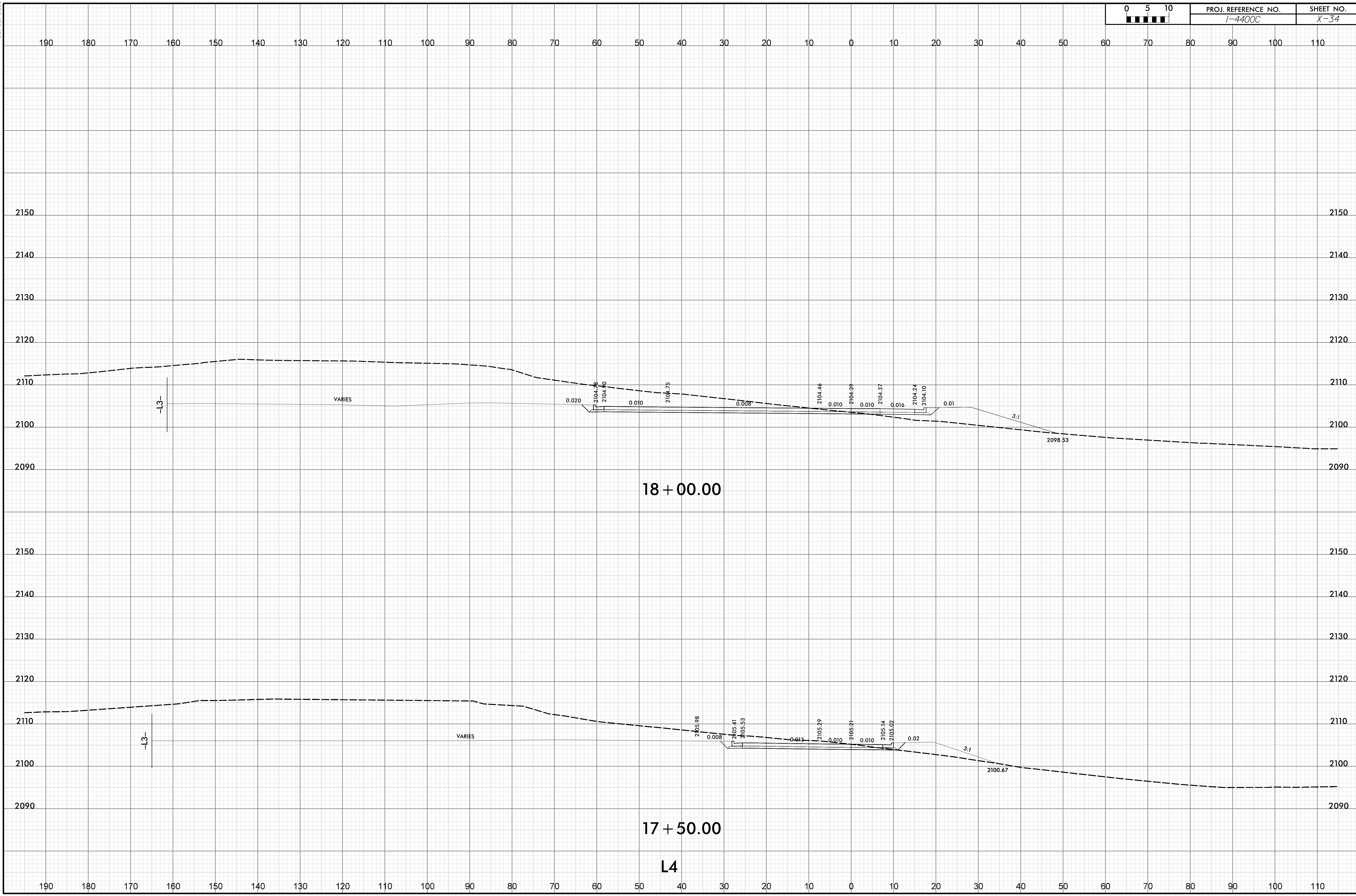


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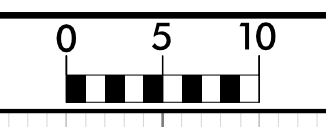


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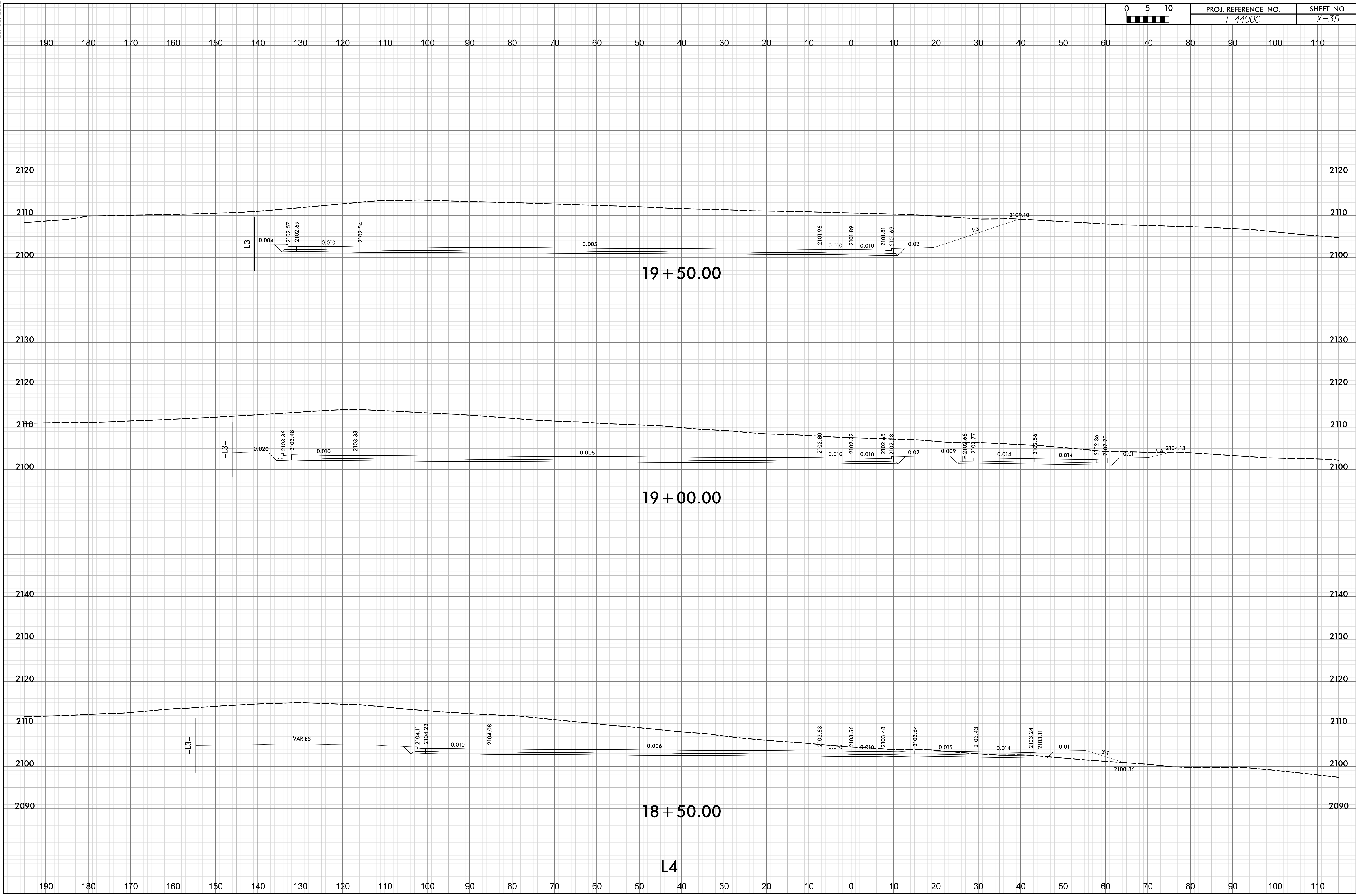


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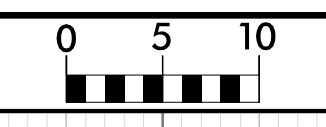


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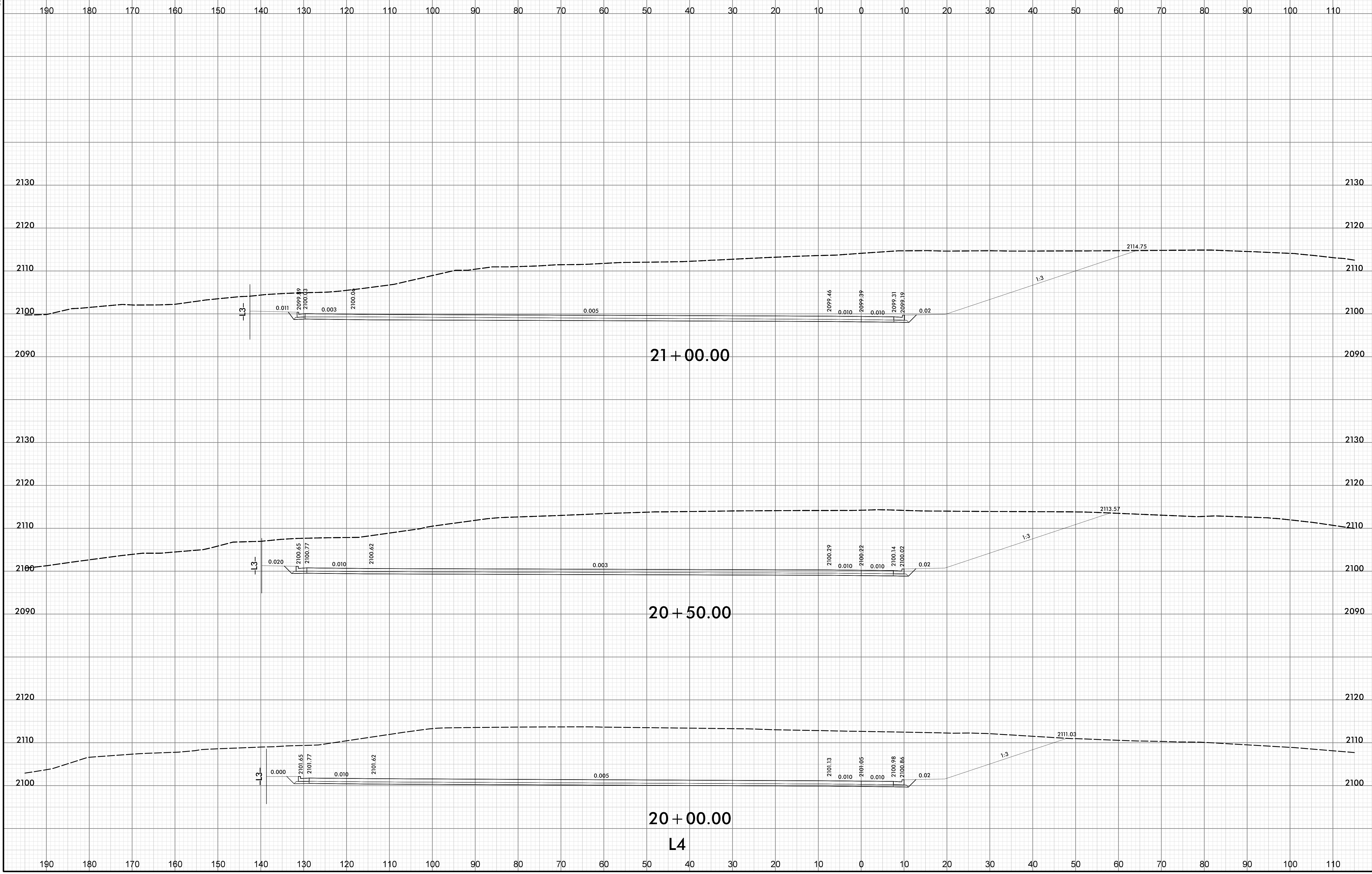


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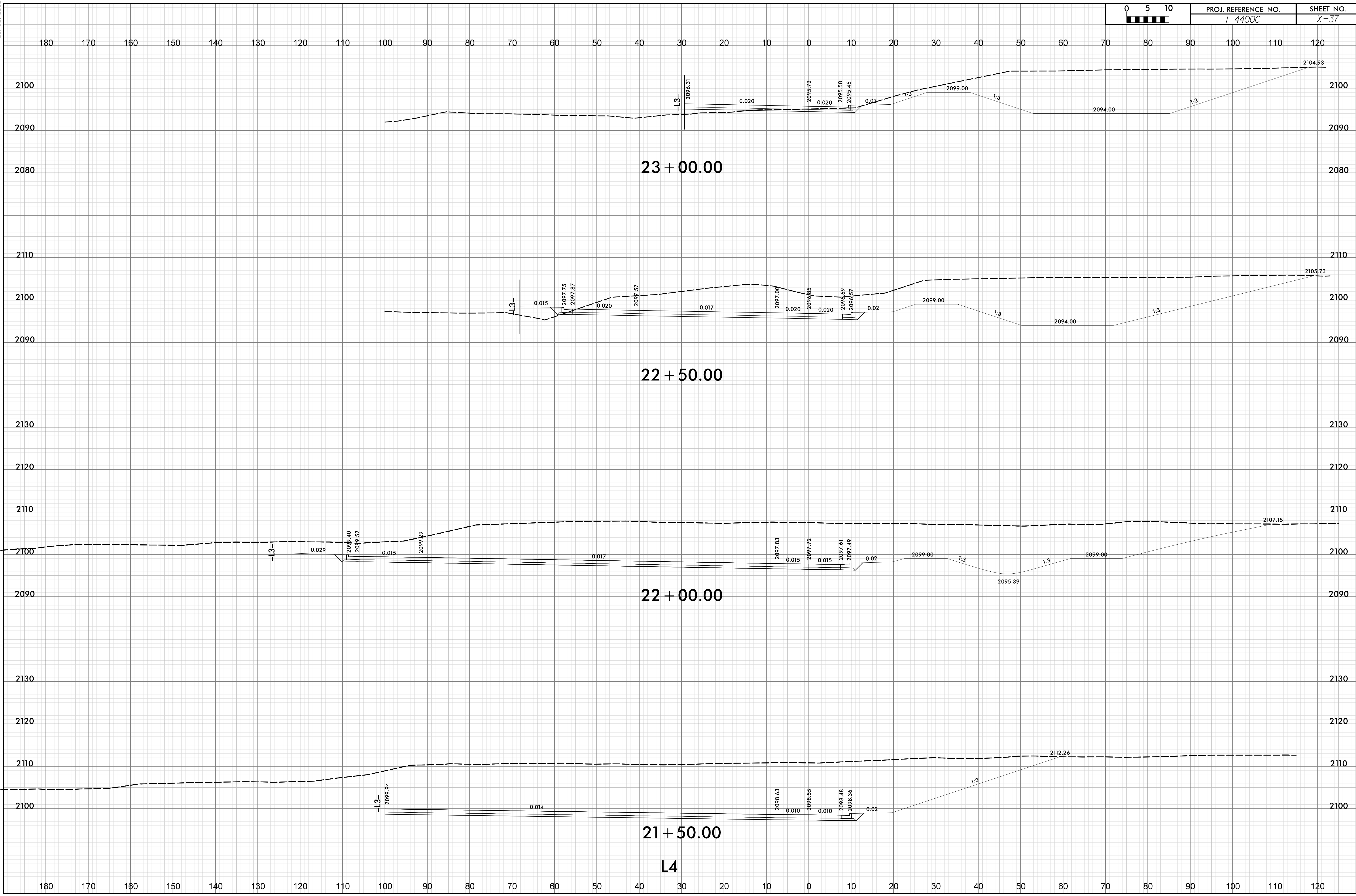
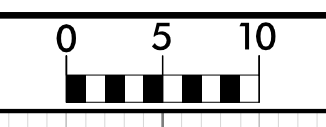


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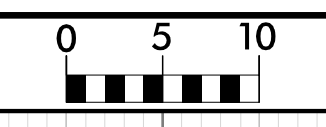
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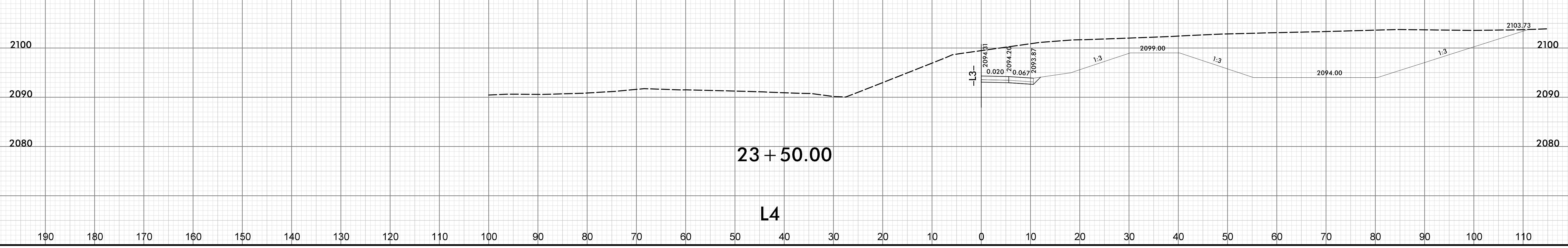
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SHEET NO.
X-38

190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110



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