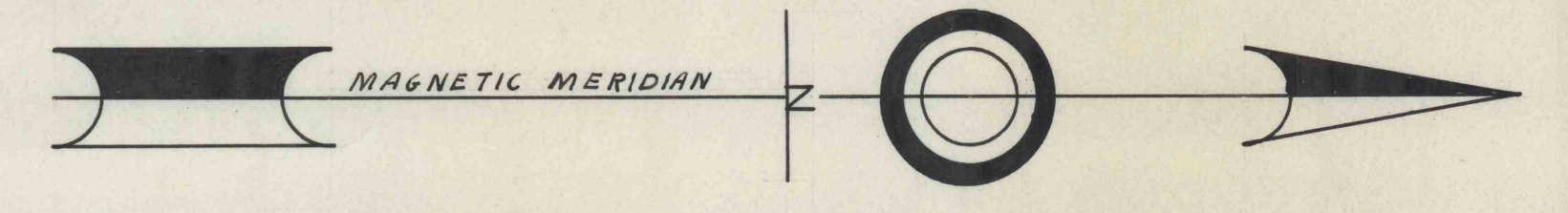
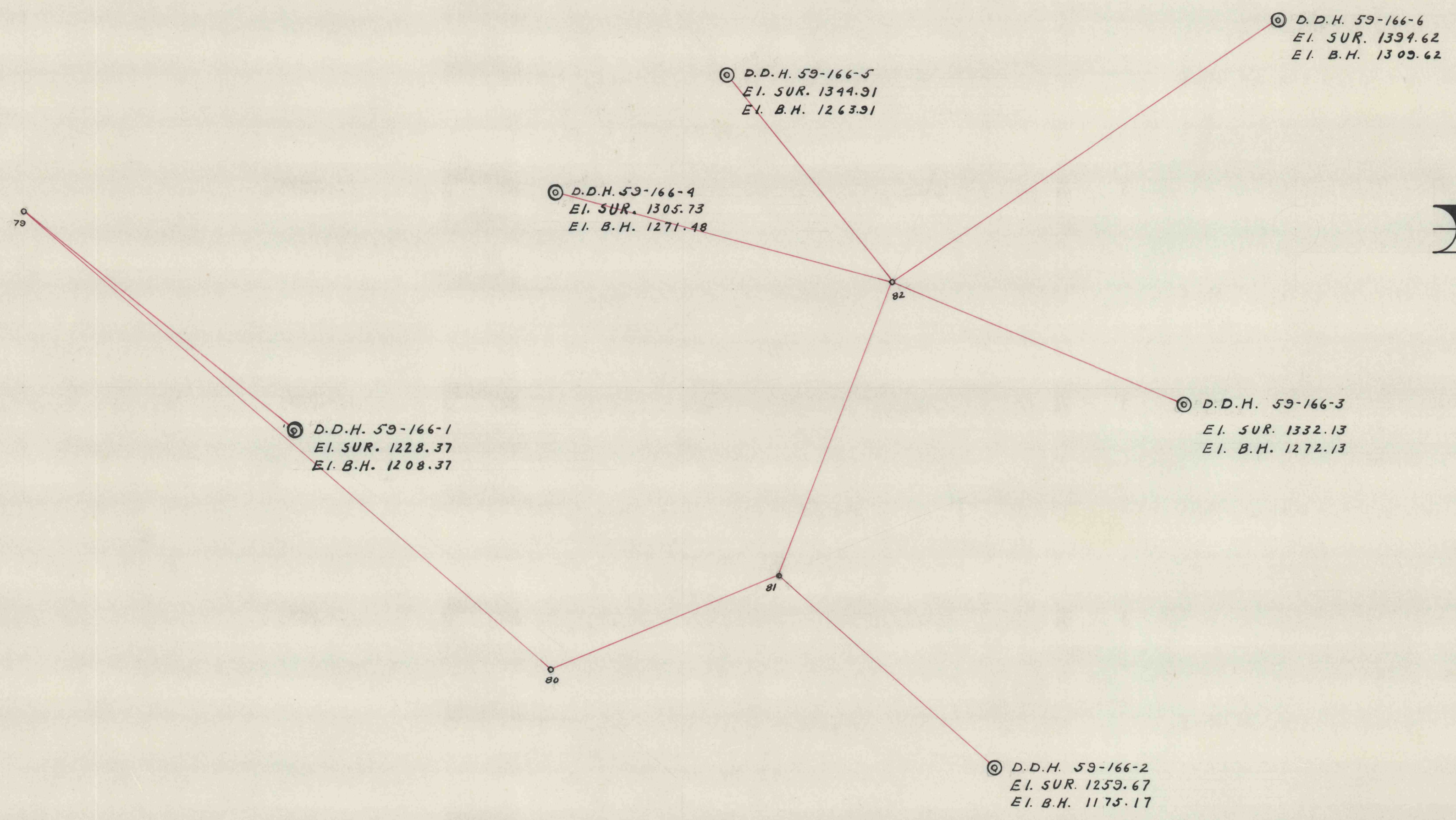


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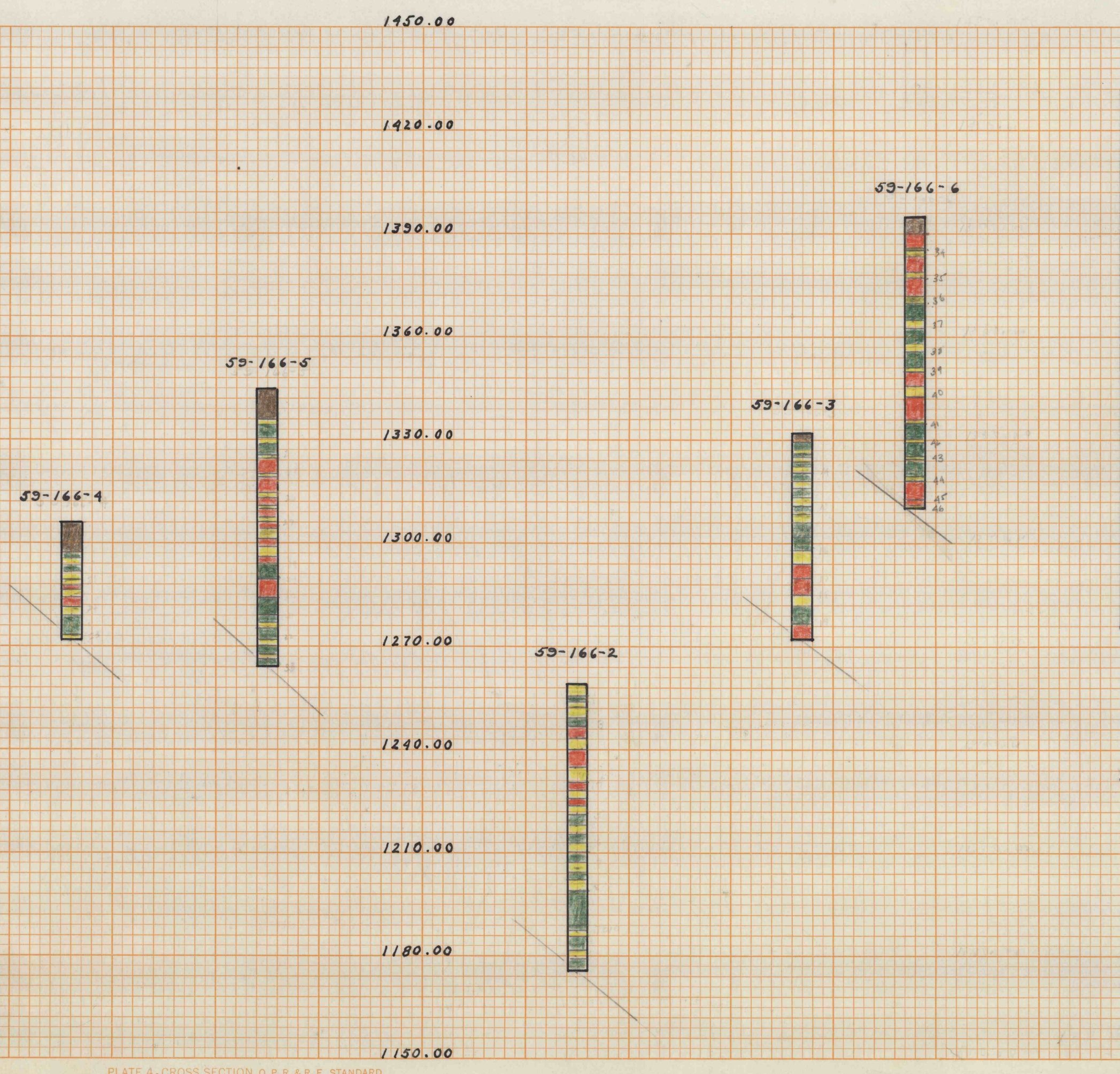
61-2-185-20

DATE _____ BY _____
 FINAL SURVEY _____
 CHECKED _____
 TEMPL. _____
 NO. _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE _____ BY _____
 ORIGINAL SURVEY _____
 CHECKED _____
 TEMPL. _____
 NO. _____
 NOTE BOOK _____
 AREAS CHECKED _____



D. D. H. 59-166-1			D. D. H. 59-166-2			D. D. H. 59-166-3			D. D. H. 59-166-4		
SAMPLE NUMBER	THICK-NESS OF ROCK	ALUM-INA OF IMPUR-ITIES IN THIS SEC-TION	SAMPLE NUMBER	THICK-NESS OF ROCK	ALUM-INA OF IMPUR-ITIES IN THIS SEC-TION	SAMPLE NUMBER	THICK-NESS OF ROCK	ALUM-INA OF IMPUR-ITIES IN THIS SEC-TION	SAMPLE NUMBER	THICK-NESS OF ROCK	ALUM-INA OF IMPUR-ITIES IN THIS SEC-TION
TC-1	4'1"	0.34	5'2"	TC-3	3'11"	0.88	8'1"	TC-14	7'2"	0.79	2'2"
TC-2	2'8"	0.18	8'1"	TC-4	7'8"	0.43	7'10"	TC-15	4'9"	0.92	5'6"
GANISTER ROCK 34%			TC-5	4'4"	0.98	6'1"	TC-16	5'4"	0.93	7'0"	
IMPURITIES 66%			TC-6	6'8"	0.71	1'6"	TC-17	4'5"	0.28	3'5"	
AVERAGE PITCH 51°10'			TC-7	3'4"	0.81	2'7"	TC-18	4'11"	0.38	0'2"	
			TC-8	2'0"	1.83	6'3"	TC-19	4'9"	0.86	3'8"	
			TC-9	5'1"	1.17	0'0"	TC-20	4'5"	0.53	0'0"	
			TC-10	5'0"	0.91	0'0"	GANISTER ROCK 60%				
			TC-11	4'10"	1.34	1'1"	IMPURITIES 40%				
			TC-12	4'0"	0.79	1'5"	AVERAGE PITCH 54°37'				
			TC-13	2'10"	1.16	0'0"					
			GANISTER ROCK 59%								
			IMPURITIES 41%								
			AVERAGE PITCH 51°00'								



D. D. H. 59-166-5			D. D. H. 59-166-6				
SAMPLE NUMBER	THICK-NESS OF ROCK	ALUM-INA OF IMPUR-ITIES IN THIS SEC-TION	SAMPLE NUMBER	THICK-NESS OF ROCK	ALUM-INA OF IMPUR-ITIES IN THIS SEC-TION		
TC-24	8'2"	0.71	2'1"	TC-34	4'9"	0.30	0'2"
TC-25	5'1"	0.37	0'6"	TC-35	4'11"	0.62	3'6"
TC-26	4'8"	0.51	1'7"	TC-36	5'1"	0.37	2'0"
TC-27	5'2"	0.52	1'8"	TC-37	5'5"	0.78	1'11"
TC-28	5'1"	0.37	7'5"	TC-38	4'2"	0.82	2'5"
TC-29	4'11"	0.84	0'1"	TC-39	4'8"	0.70	1'0"
TC-30	5'0"	0.64	0'0"	TC-40	4'4"	0.42	3'0"
TC-31	4'10"	0.77	0'0"	TC-41	6'10"	0.46	0'8"
TC-32	5'11"	1.30	1'5"	TC-42	5'1"	1.45	0'5"
TC-33	5'7"	1.10	2'5"	TC-43	4'6"	0.96	0'9"
GANISTER ROCK 76%			TC-44	4'7"	0.80	1'2"	
IMPURITIES 24%			TC-45	5'6"	0.39	0'0"	
AVERAGE PITCH 48°00'			TC-46	2'11"	0.45	0'3"	
			GANISTER ROCK 78%				
			IMPURITIES 22%				
			AVERAGE PITCH 37°00'				

ROCK CONTAINING 0.65% ALUMINA OR LESS SHOWN IN RED
 ROCK CONTAINING OVER 0.65% ALUMINA SHOWN IN GREEN
 SURFACE SHOWN IN BROWN
 CLAY-SAND-SHALE SHOWN IN YELLOW

NORTH AMERICAN REFRACTORIES CO.
CLEVELAND 19, OHIO
MAP AND COLUMNAR SECTIONS
OF DIAMOND DRILL HOLES
AT THREE SPRINGS QUARRY
SCALES-VERTICAL AND HORIZONTAL 1"=30'
DRAWN SEPT. 27, 1960 **J. C. MURRAY**
INDEX No. 61-2-182-50