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Fritz Laboratory Reports

Civil and Environmental Engineering

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1948

# Rolling of 8wf40 and 14wf30. Project 205

Lynn S. Beedle

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205

✓	BGI	
	PHK	
✓	LSB	✓ LAST
	EH	
	CIO	
	ATY	
✓	FKC	
	EK	
	AS	
✓	HY	✓
✓	JR	✓
✓	CHC	✓
✓	FILE	

6/18/48

I suggest you note the date of the Bethlehem Steel Company marking instructions. You will need to refer to this information in the conduct of tests and in running the coupon tests.

Lynn

Next 205 No. :

Title: Marking of Rolling  
 14WF30  
 8WF40  
 1948

6/19/48

PROJECT 205 -- Rolling of 8WF40 and 14WF30.

*title*

The former was rolled on 6/17/48, witness by myself and Harry. An excellent system was set up and we were given copies of the marking system (see attached). The process was carried out most efficiently.

~~The~~ The 14WF30 is to be rolled this afternoon at about 1:00. Since extra personnel would have to be retained to act as escorts for us, and since all questions would have been raised at the time of the first rolling, and since I had an appointment anyway, it was decided that no Lehigh representative would witness rolling this shape.

Lynn

**SUBSIDIARY COMPANIES OF BETHLEHEM STEEL CORPORATION****BETHLEHEM, PA.** May 28, 1948

FILE REFERENCE

FROM K. H. Read

TO G. H. Todd

SUBJECT Lehigh University Order No. 3728  
Bethlehem Steel Company Order No. DC-3553

Sections B14 and B8b

Lehigh University has entered an order for 7,441# of B14 x 30# and 6,880# of B8B x 40#. This material is scheduled for rolling during June. Since the order calls for various lengths, sections and identifications to be marked on each section and piece, we are requesting the following procedure to be followed in supplying material for this order:

1. Middle ingot from one heat ordered for B14 x 30 and one heat ordered for B8B x 40 to be identified in Open Hearth and kept separate in pits and at Hot Saw. Identify product of these ingots with letter (M) following heat number.
2. Material for these bars to be cut from product of these two ingots as per attached chart.
3. All pieces must be plainly marked with heat number and location of piece in ingot as shown on attached chart.
4. Twisted end must be completely removed prior to cutting pieces for this order.

K. H. Read  
Metallurgical Supervisor

Per: *MOSEBACH*

MKM:tih

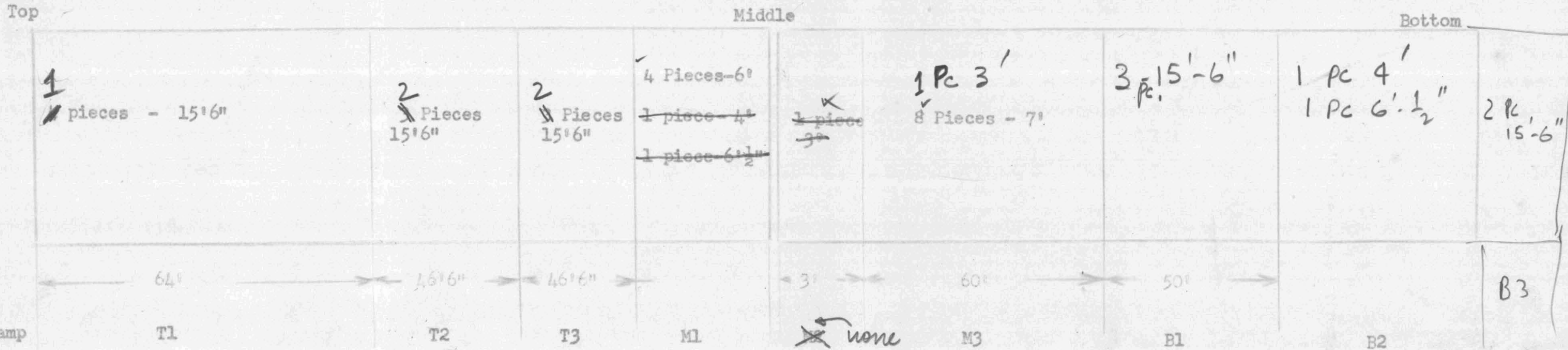
cc: JHS LRP-5  
SDG JFC  
JRC WTM  
IRK JEH  
FGR RCR-5  
File-5

SEMI-KILLED STEEL

Red Figures - Hot Saw Cutting

Black Figures - Cold Saw Cutting

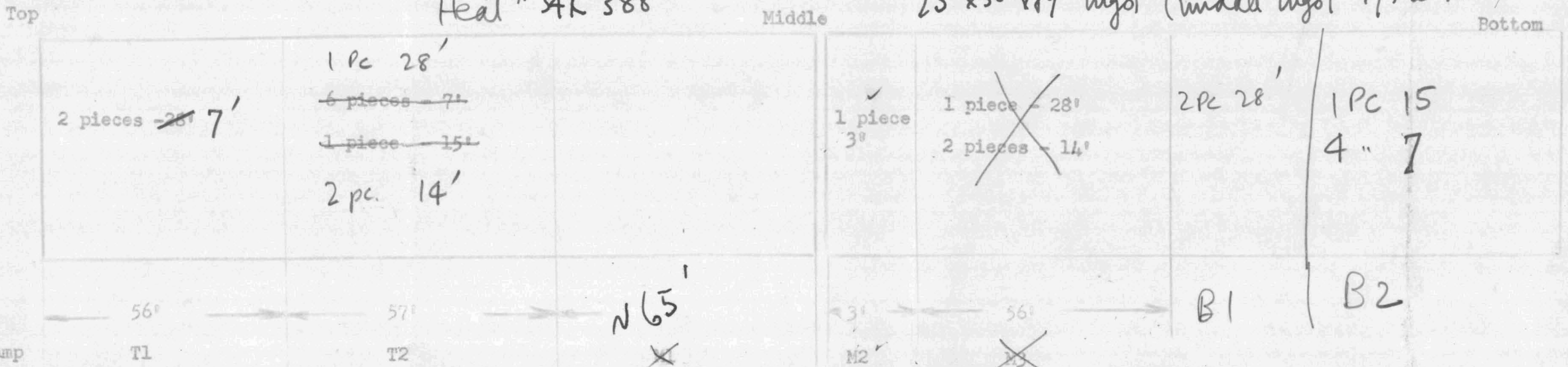
Heat # 41525 B14 x 30#



Heat # 34K 388

B88 x 40#

25" x 30" x 89" ingot (middle ingot of the heat)



\*1 piece - 6' 1/2" - both ends milled to 6'0"

Cut M2 piece at Hot Saw

205?

8WF40

25 x 30 ingot x 89" hgt  
Semi-killed steel

Heat # 34K 388

Middle ingot of 3