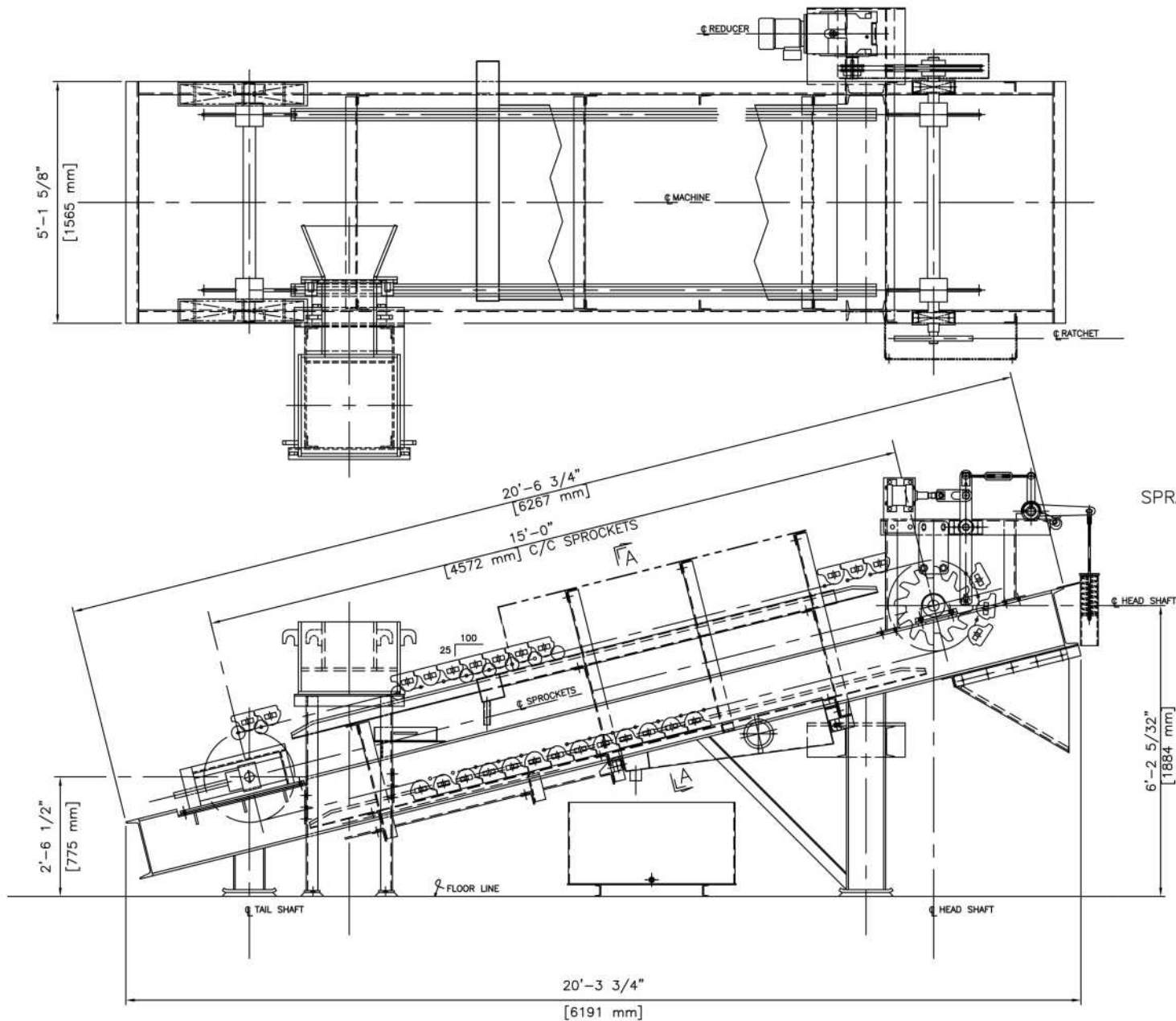
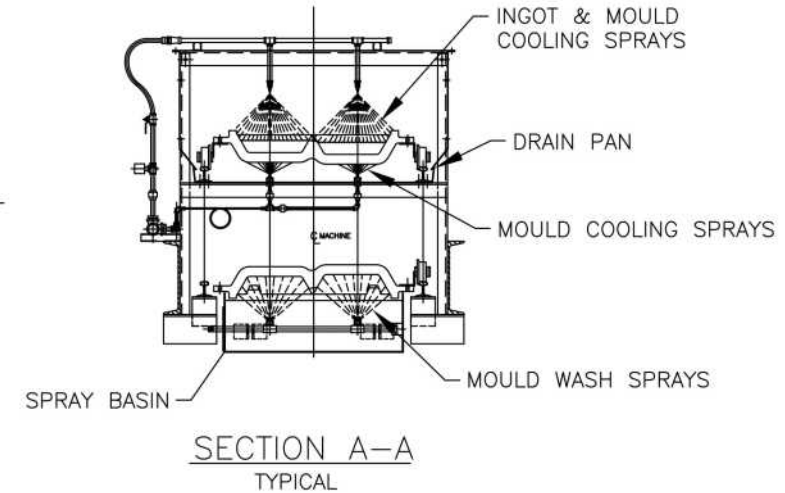




MC 15		
VOLUME / hr	16 cu ft/hr	0.45 cu meter/hr
IRON / TIN / ZINC (tons/hr)	4 tons / hr	3.63 metric ton/hr
COPPER / NICKEL ALLOY (tons/hr)	5 tons / hr	4.54 metric ton
COOLING TIME	MINUTES	5.5 MINUTES
MOULDS	DOUBLE CAVITY	DOUBLE CAVITY
TOTAL INGOT WEIGHT	35 LBS TOTAL	15.8 kg TOTAL



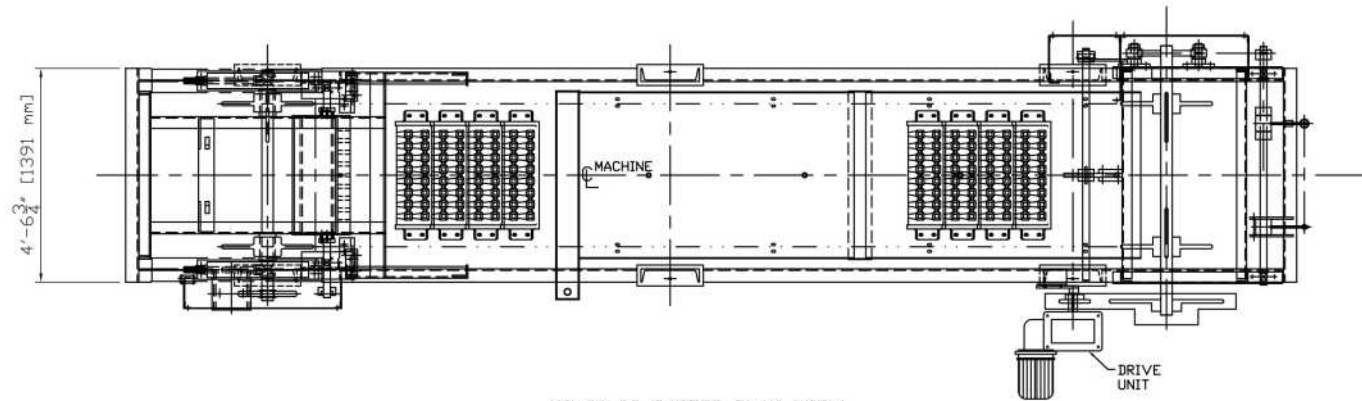
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ENGINEERS AND CONTRACTORS AMBRIDGE, PA 15003 U.S.A.
MODEL MC-15SS INGOT CASTING MACHINE

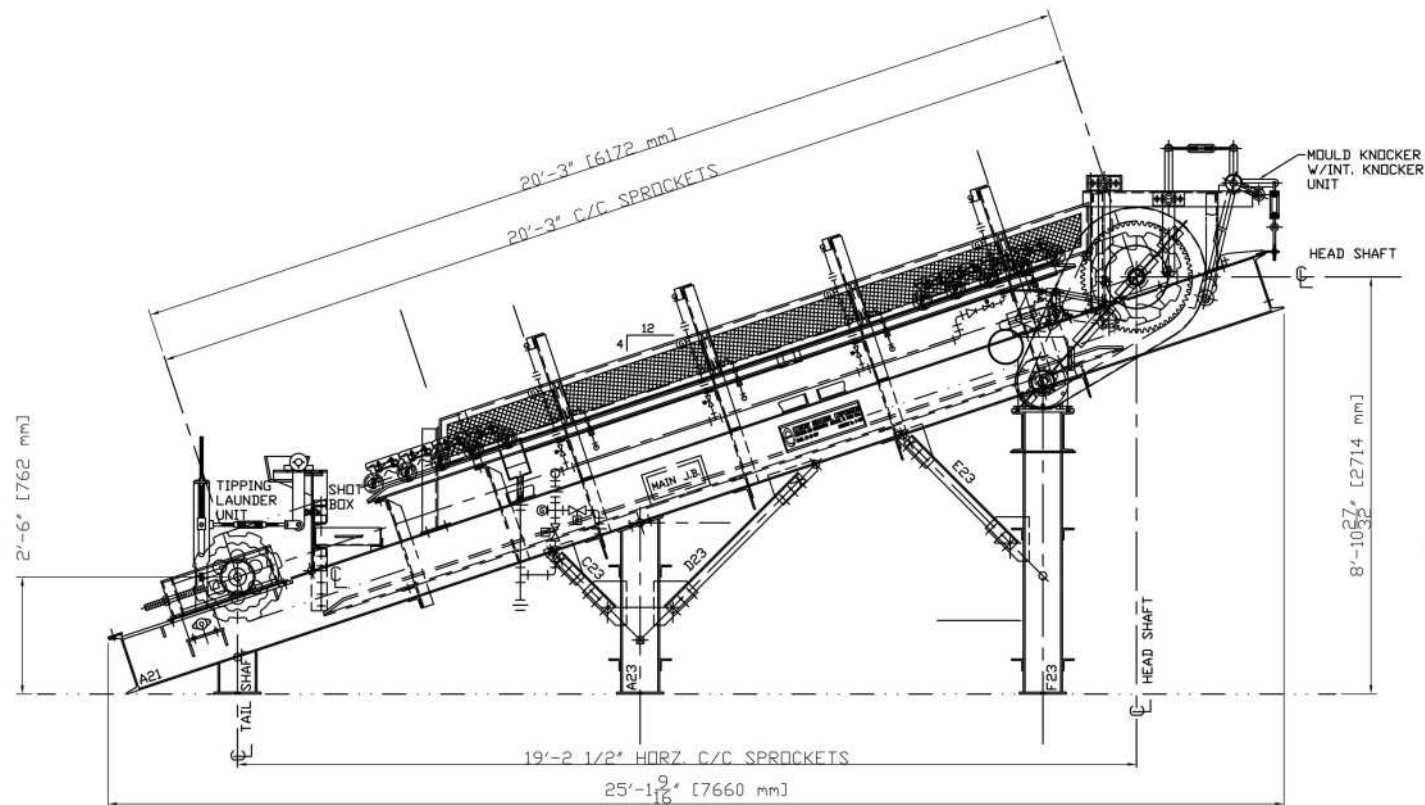
E.I.C. REF. No.

APPROVED	REVIEWED	CHECKED	DRAWN BY	DATE	SCALE	DRAWING No.	REV.
						MC-15	

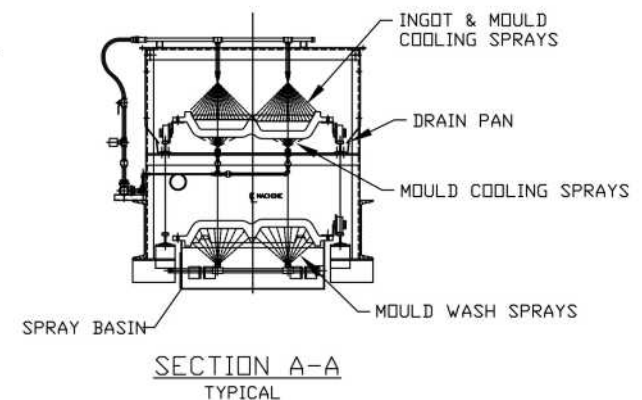
MC 20		
VOLUME / hr	25 cu ft/hr	0.71 cu meter/hr
IRON / TIN / ZINC (tons/hr)	6 tons / hr	5.44 metric ton/hr
COPPER / NICKEL ALLOY (tons/hr)	8 tons / hr	7.26 metric ton
COOLING TIME	MINUTES	5.5 MINUTES
MOULDS	DOUBLE CAVITY	DOUBLE CAVITY
TOTAL INGOT WEIGHT	35 LBS TOTAL	15.8 kg TOTAL



MC-20-SS CASTER PLAN VIEW



MC-20-SS CASTER ELEVATION

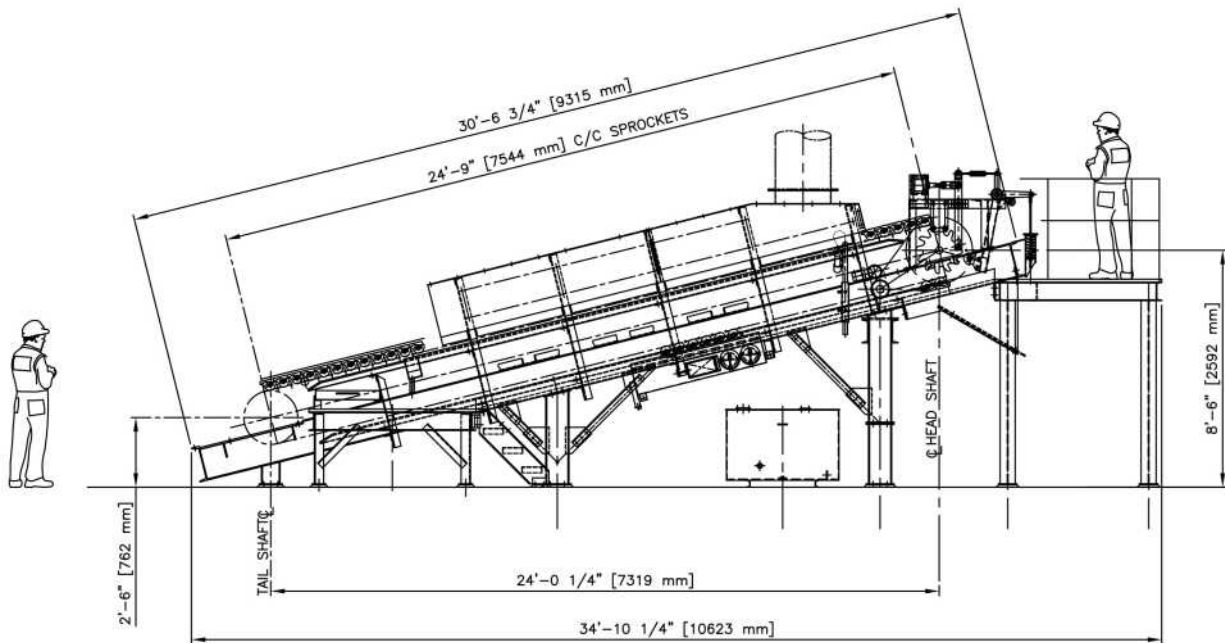
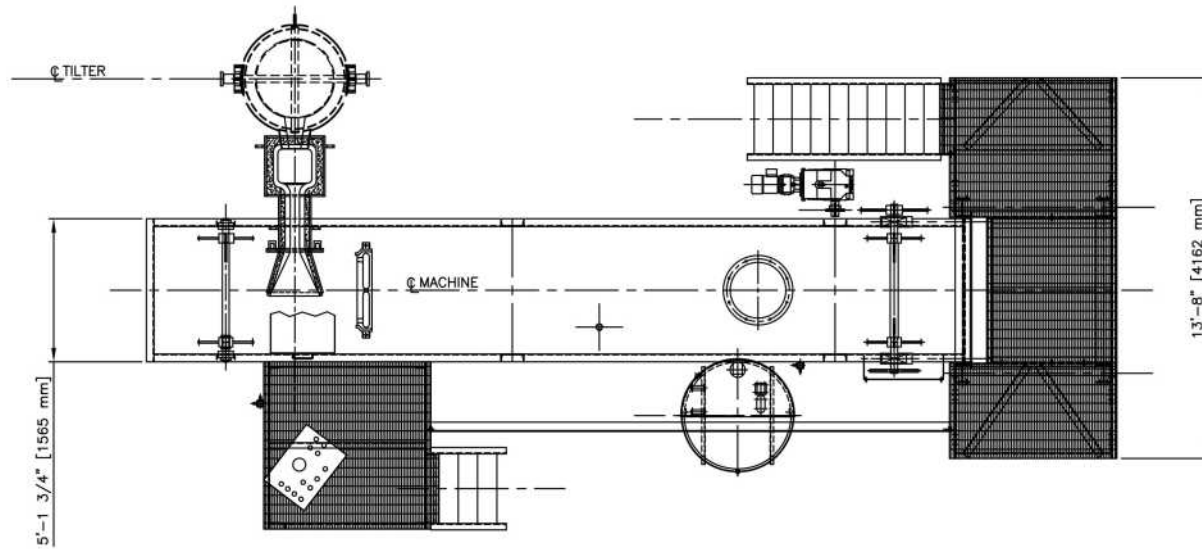


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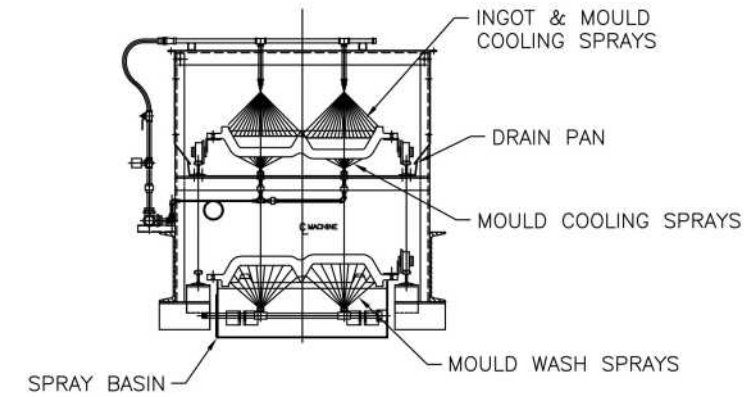
ECONOMY INDUSTRIAL CORPORATION
ENGINEERS AND CONTRACTORS AMBRIDGE, PA 15003 U.S.A.
MODEL MC-20SS INGOT CASTING MACHINE

E.I.C. REF. No.

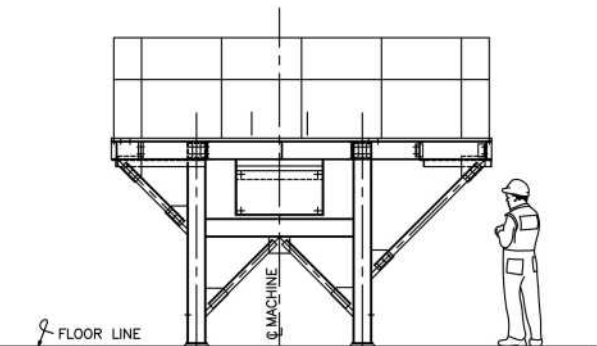
APPROVED	REVIEWED	CHECKED	DRAWN BY	DATE	SCALE	DRAWING No.	REV.
						MC-20	



MC 25		
VOLUME / hr	33 cu ft/hr	0.93 cu meter/hr
IRON / TIN / ZINC (tons/hr)	8 tons / hr	7.26 metric ton/hr
COPPER / NICKEL ALLOY (tons/hr)	12 tons / hr	10.88 metric ton
COOLING TIME	5.5 MINUTES	5.5 MINUTES
MOULDS	DOUBLE CAVITY	DOUBLE CAVITY
TOTAL INGOT WEIGHT	35 LBS TOTAL	15.8 kg TOTAL



SECTION A-A
TYPICAL

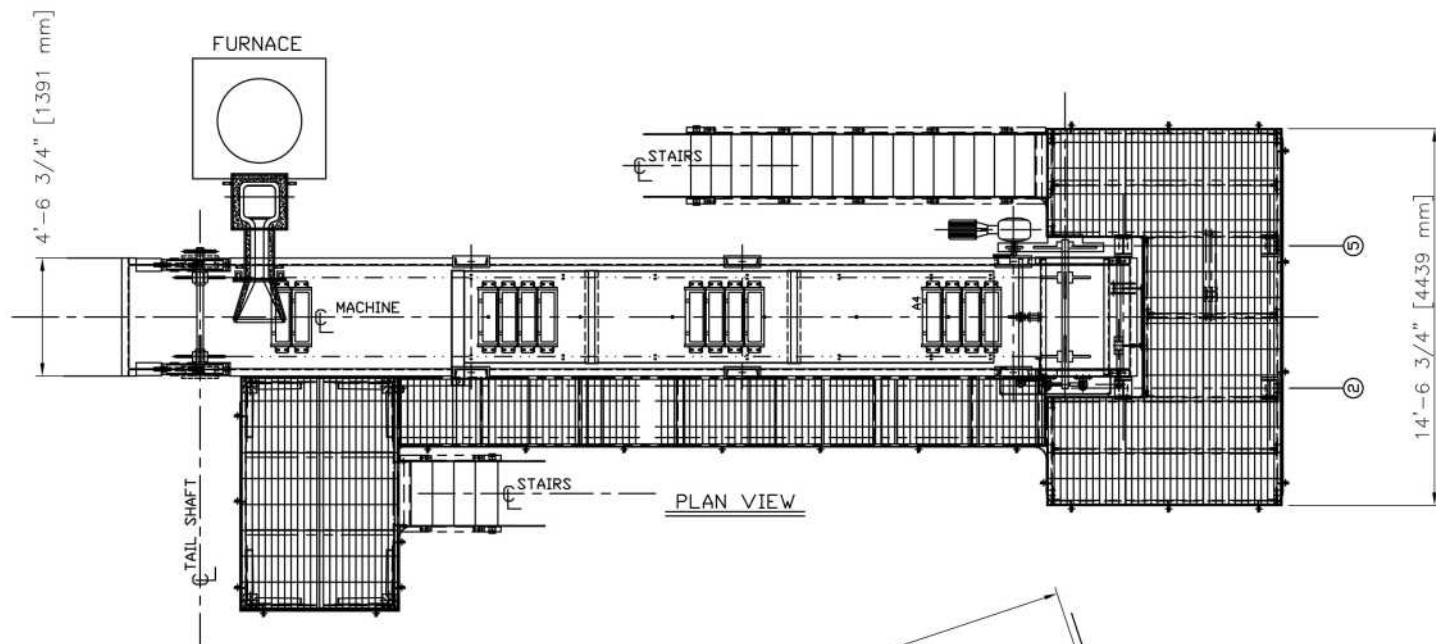


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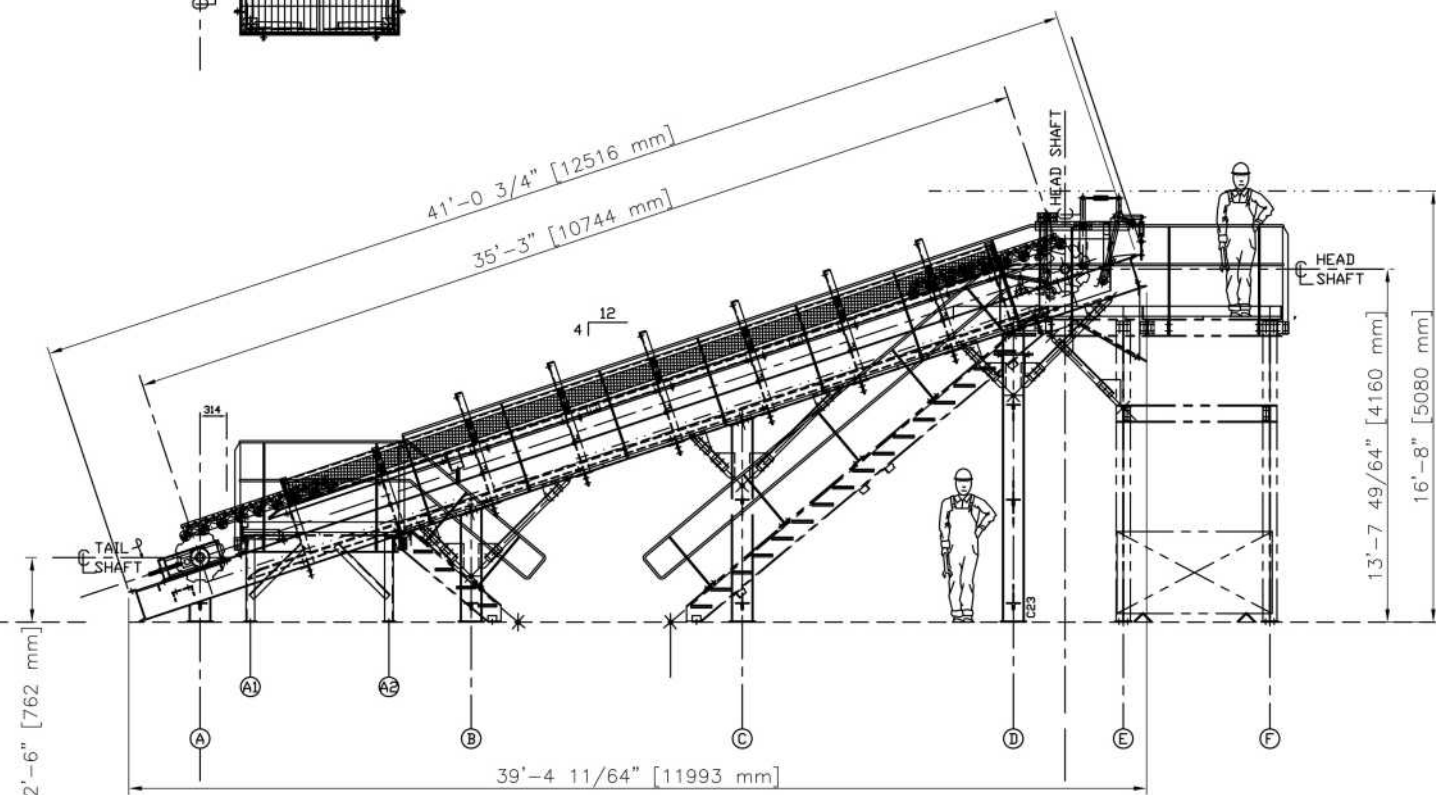
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MODEL MC25SS INGOT CASTING MACHINE

E.I. REF. No.

APPROVED	REVIEWED	CHECKED	DRAWN BY	DATE	SCALE	DRAWING No.	REV.
						MC-25	

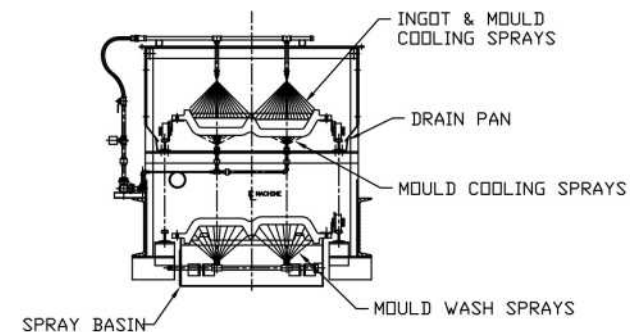


PLAN VIEW

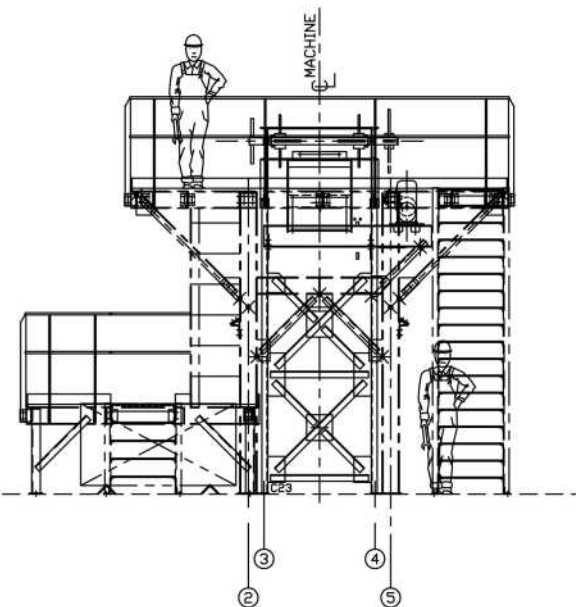


ELEVATION

MC 30		
VOLUME / hr	41 cu ft/hr	1.16 cu meter/hr
IRON / TIN / ZINC (tons/hr)	10 tons / hr	9.07 metric ton/hr
COPPER / NICKEL ALLOY (tons/hr)	14 tons	12.70 metric ton
COOLING TIME	5.5 MINUTES	5.5 MINUTES
MOULDS	DOUBLE CAVITY	DOUBLE CAVITY
TOTAL INGOT WEIGHT	35 LBS TOTAL	15.8 kg TOTAL



SECTION A-A
TYPICAL



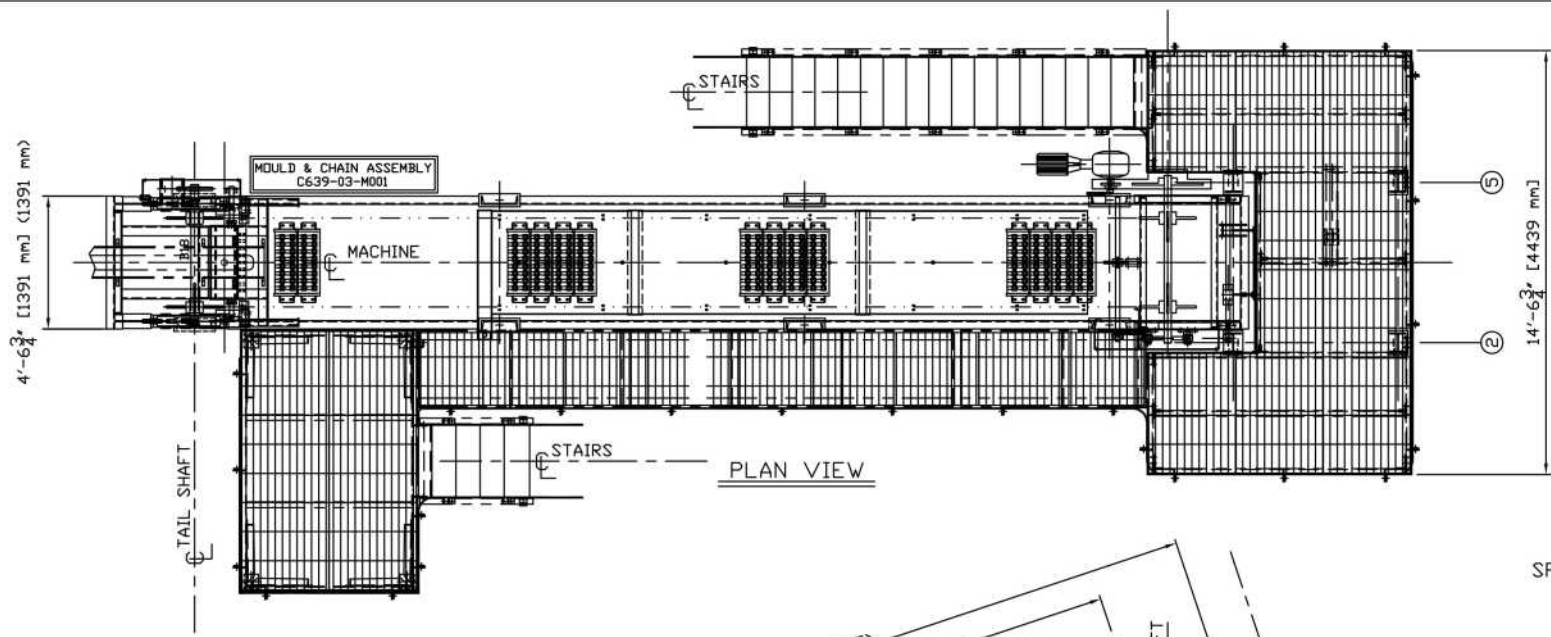
DISCHARGE END VIEW

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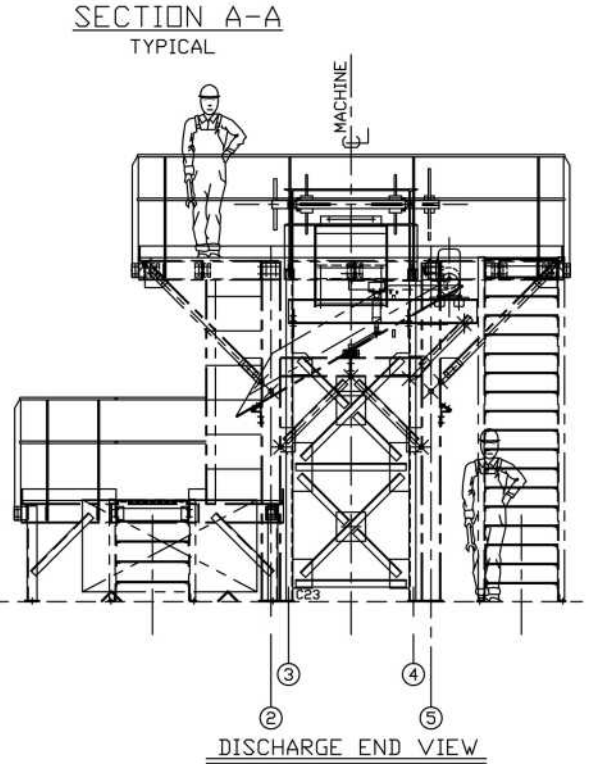
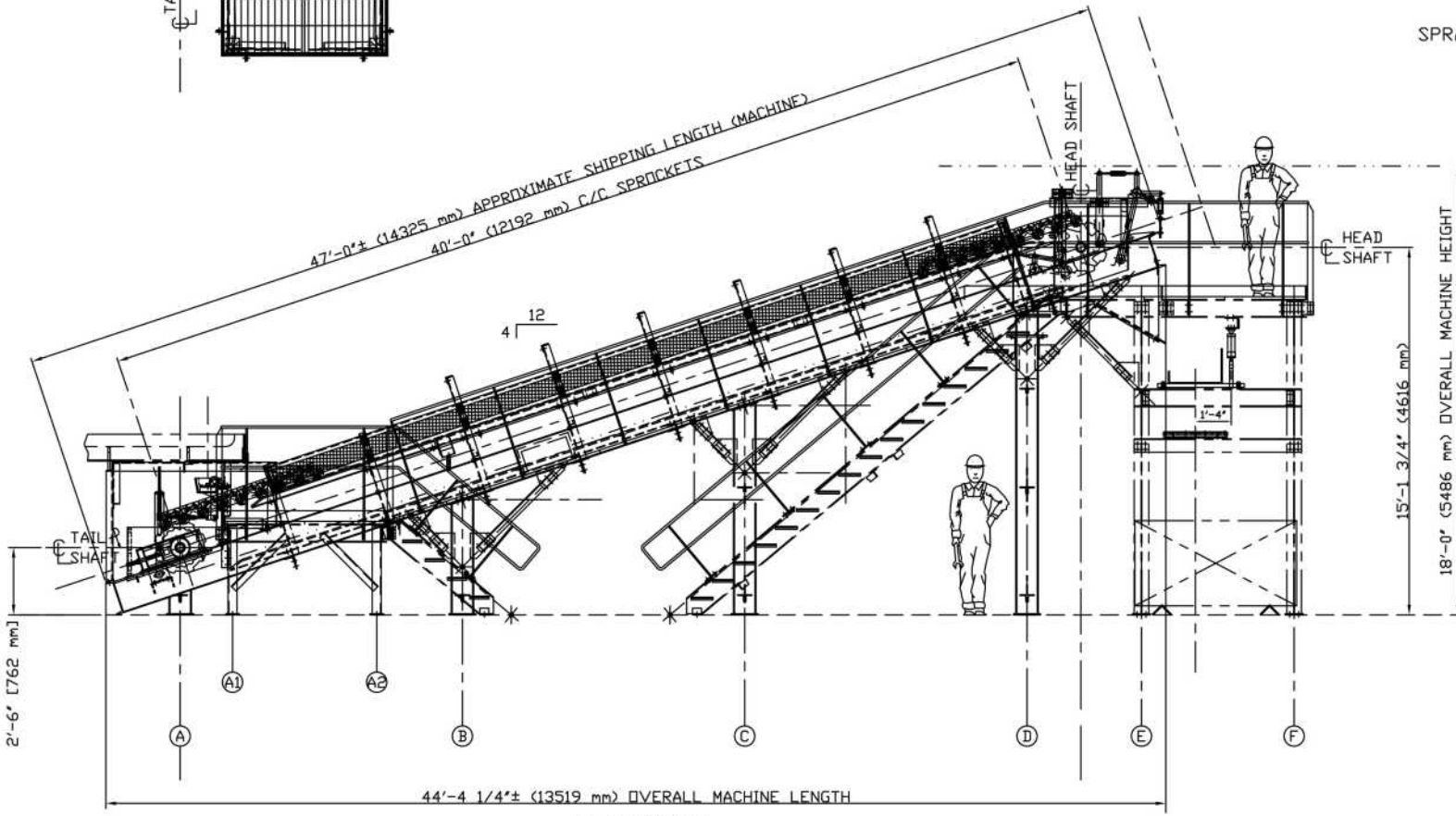
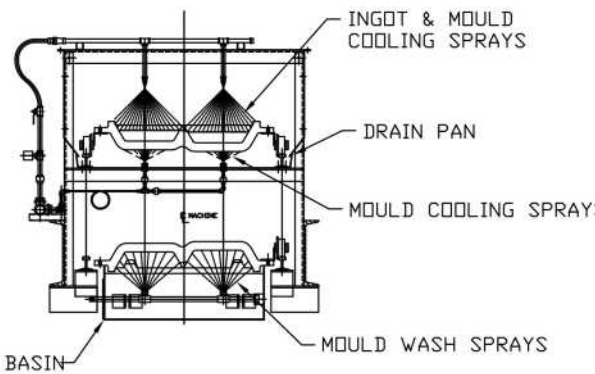
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MODEL MC-30, INGOT CASTING MACHINE

APPROVED	REVIEWED	CHECKED	DRAWN BY	DATE	SCALE	CLIENT DRAWING No.	REV
						MC-30	



MC 40		
VOLUME / hr	49 cu ft/hr	1.39 cu meter/hr
IRON / TIN / ZINC (tons/hr)	12 tons / hr	10.88 metric ton/hr
COPPER / NICKEL ALLOY (tons/hr)	15 tons	13.60 metric ton
COOLING TIME	5.5 MINUTES	5.5 MINUTES
MOULDS	DOUBLE CAVITY	DOUBLE CAVITY
TOTAL INGOT WEIGHT	50 LBS TOTAL	22.7 kg TOTAL

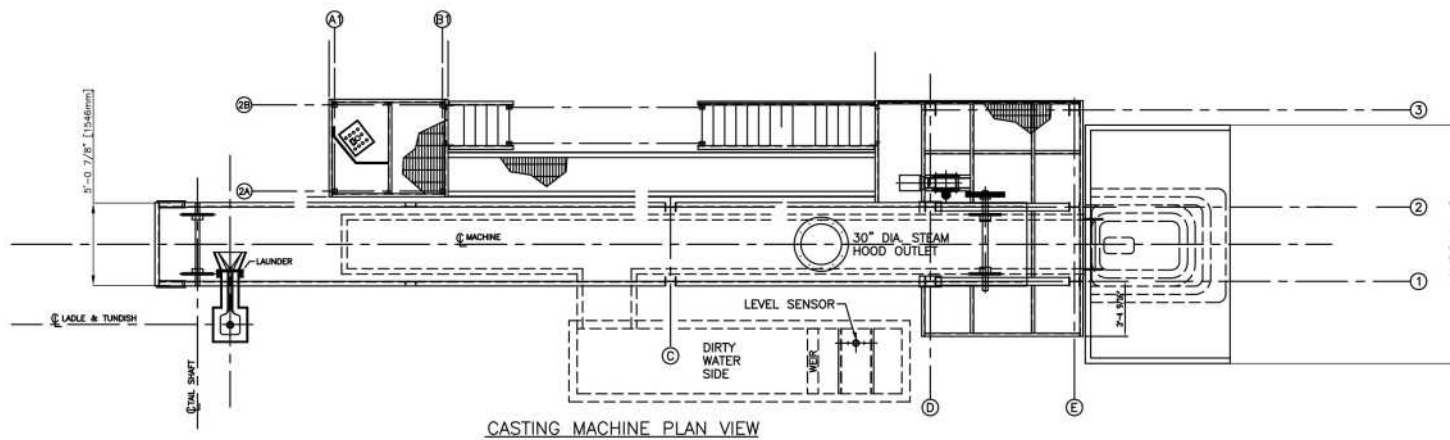


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MODEL MC-40SS CASTING MACHINE

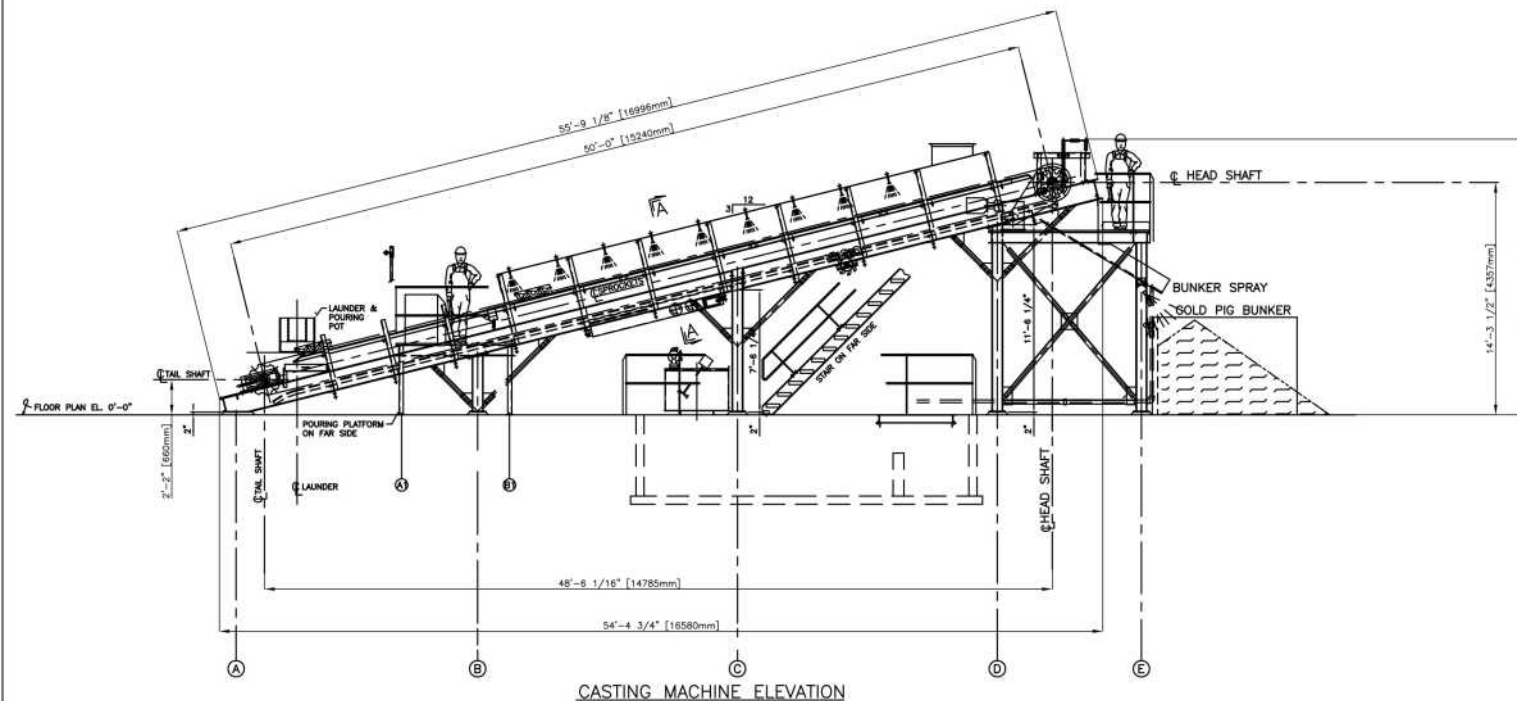
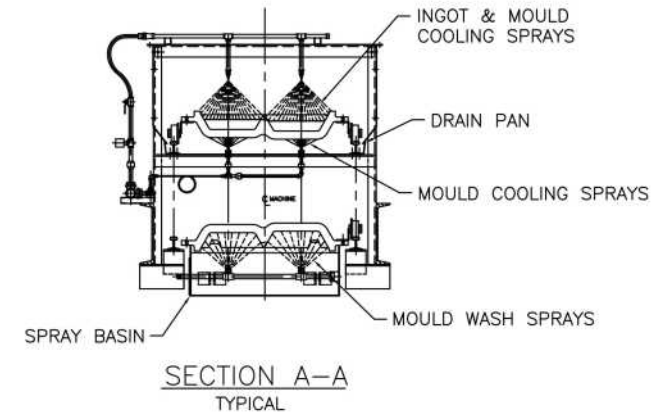
APPROVED	REVIEWED	CHECKED	DRAWN BY	DATE	SCALE	CLIENT DRAWING No.	REV
						MC-40	

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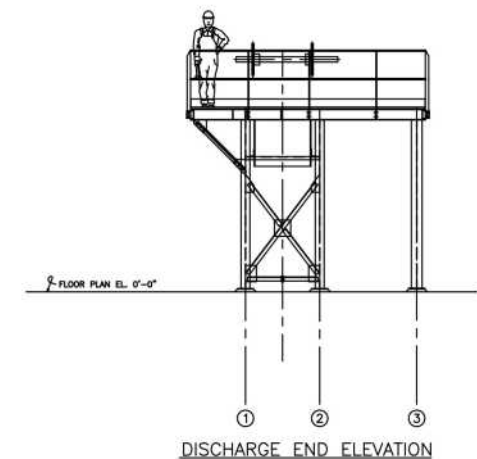


CASTING MACHINE PLAN VIEW

MC 50		
VOLUME / hr	57 cu ft/hr	1.62 cu meter/hr
IRON / TIN / ZINC (tons/hr)	14 tons / hr	12.7 metric ton/hr
COPPER / NICKEL ALLOY (tons/hr)	18 tons	16.3 metric ton
COOLING TIME	5.5 MINUTES	5.5 MINUTES
MOULDS	DOUBLE CAVITY	DOUBLE CAVITY
TOTAL INGOT WEIGHT	50 LBS TOTAL	22.7 kg TOTAL



CASTING MACHINE ELEVATION



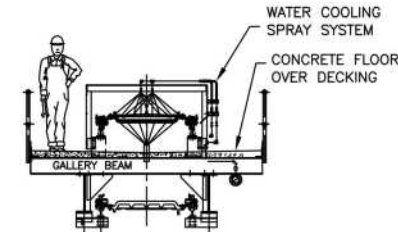
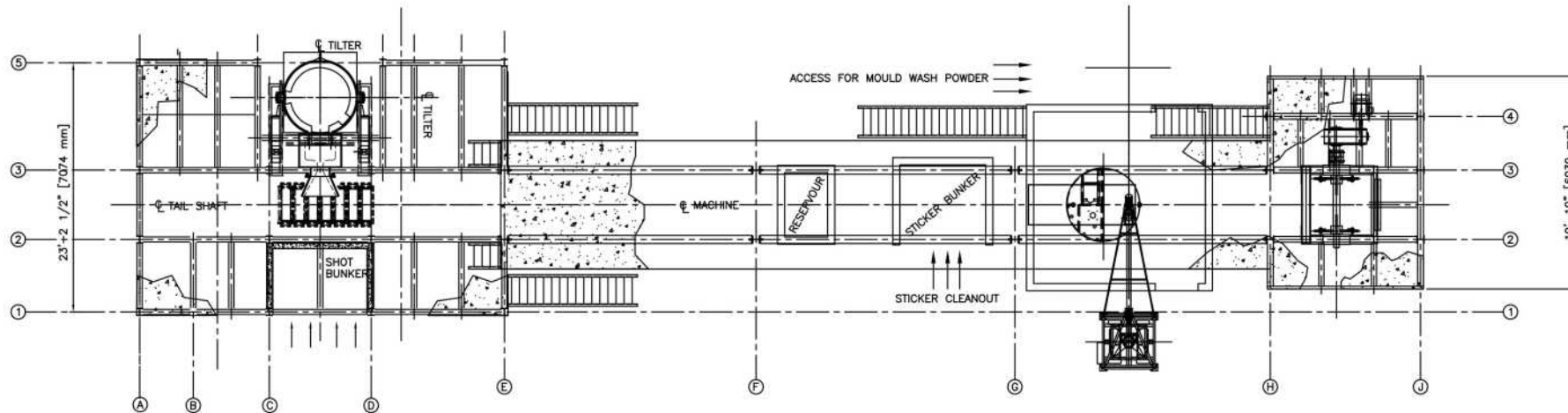
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MODEL MC50SS INGOT CASTING MACHINE
GENERAL ARRANGEMENT

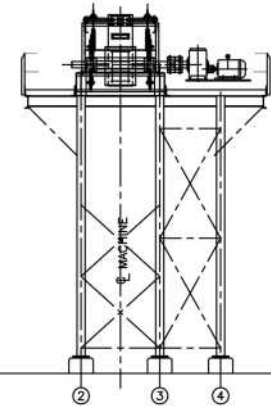
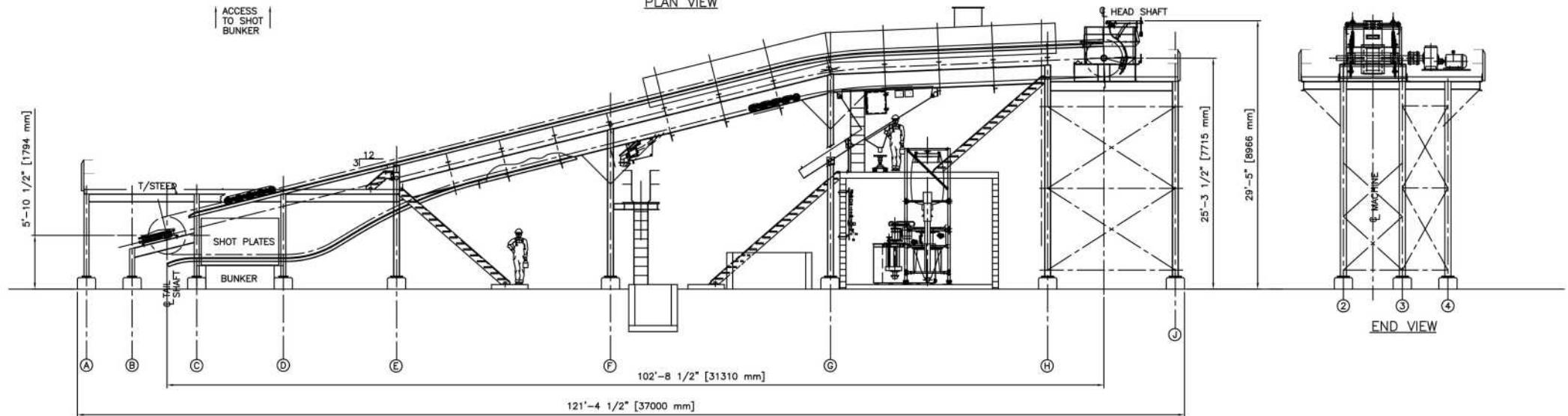
E.I. REF. No.

APPROVED	REVIEWED	CHECKED	DRAWN BY	DATE	SCALE	DRAWING No.	REV.
						MC-50	

PM 105 SINGLE STRAND		
IRON / HCFerCr / FeNi / Ni Alloy / FeSi	50 tons / hr	45 metric ton/hr
Ni Matte / Cu matte / FeMn / SiMn		
COOLING TIME	5.5 MINUTES	5.5 MINUTES
MOULDS	DOUBLE CAVITY	DOUBLE CAVITY
TOTAL INGOT WEIGHT	120 LBS TOTAL	54.4 kg TOTAL



PLAN VIEW



END VIEW

ELEVATION

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ECONOMY INDUSTRIAL
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MODEL PM105SS INGOT CASTING MACHINE

GENERAL ARRANGEMENT

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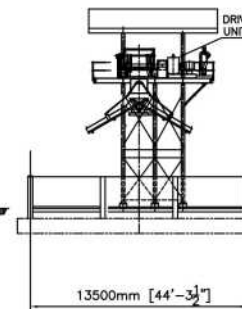
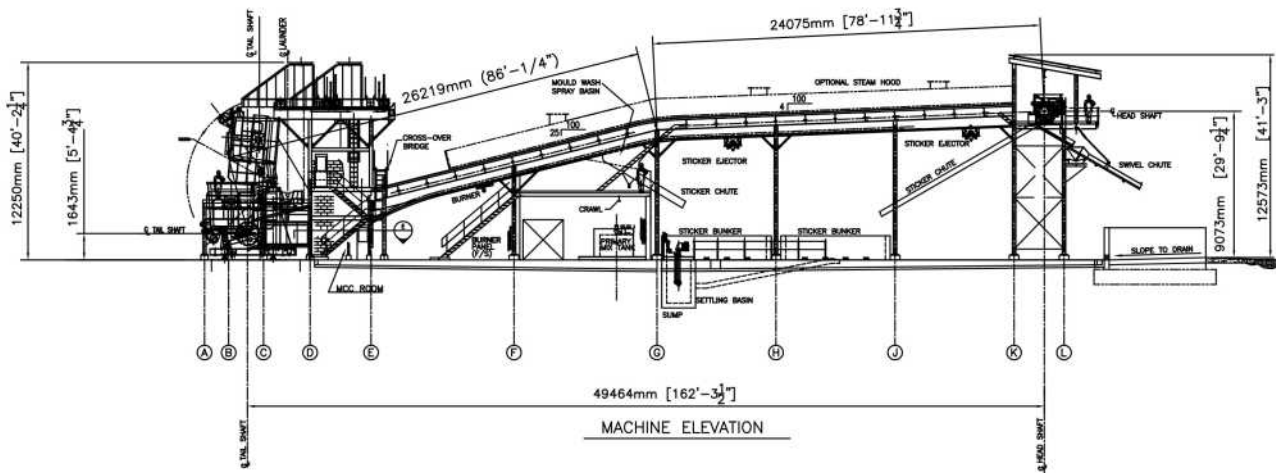
SCALE

DRAWING No.

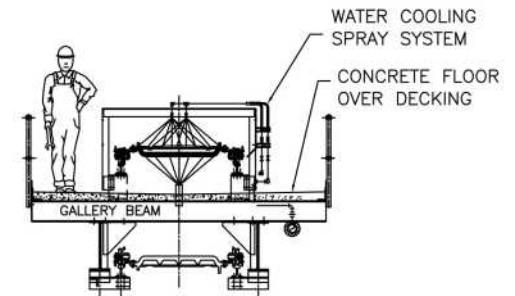
REV.

PM-105

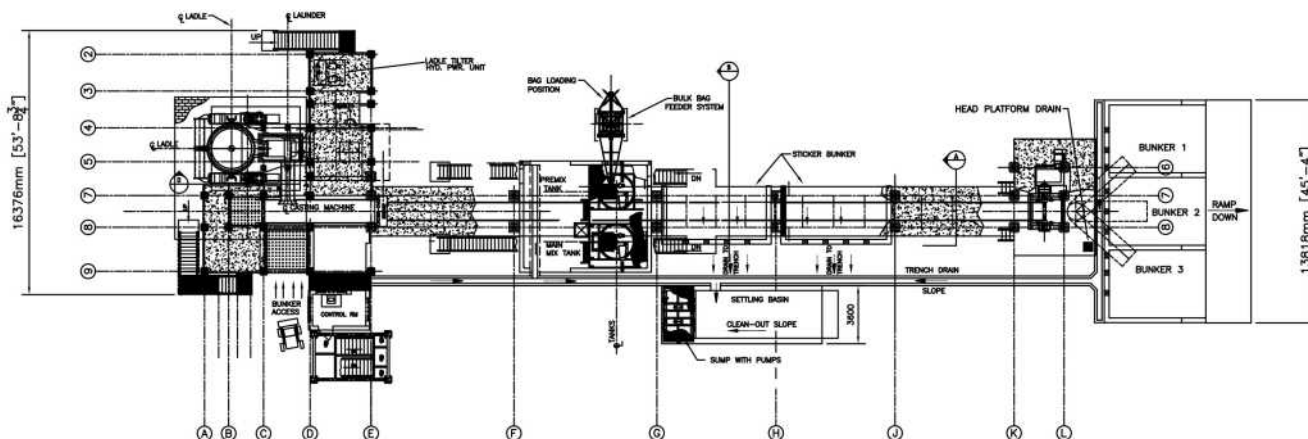
PM 165 SINGLE STRAND		
IRON / HCFer / FeNi / Ni Alloy / FeSi	82 tons / hr	75 metric ton /hr
Ni Matte / Cu matte / FeMn / SiMn		
COOLING TIME	5.5 MINUTES	5.5 MINUTES
MOULDS	DOUBLE CAVITY	DOUBLE CAVITY
TOTAL INGOT WEIGHT	120 LBS TOTAL	54.4 kg TOTAL



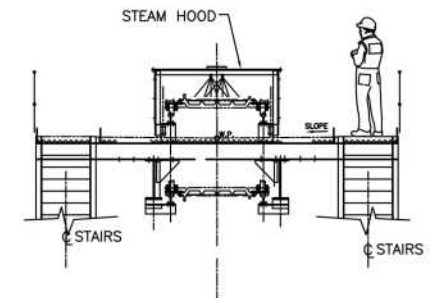
DISCHARGE END VIEW



ENLARGED SECT. A
SCALE 60:1



PLAN VIEW



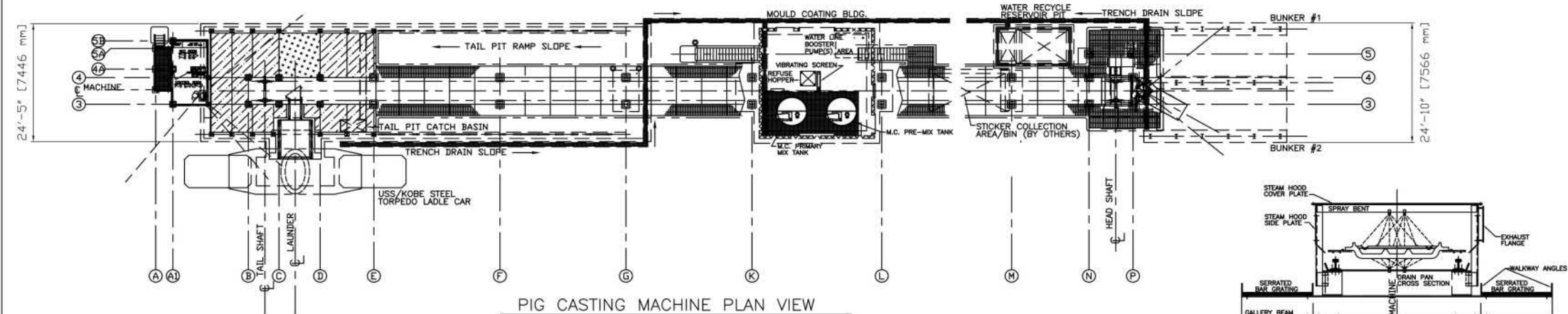
ENLARGED SECT. B
SCALE 60:1

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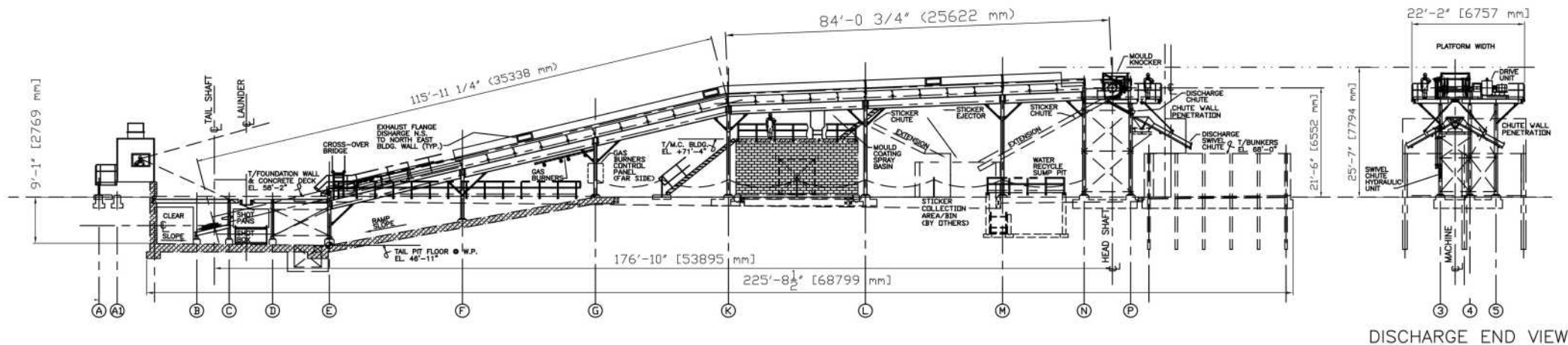
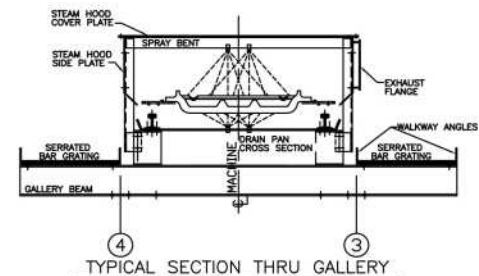
ECONOMY INDUSTRIAL	
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MODEL PM165SS INGOT CASTING MACHINE	
GENERAL ARRANGEMENT	
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PM-165	

E.I. REF. No.

PM 200 SINGLE STRAND		
IRON / HCFer / FeNi / Ni Alloy / FeSi	100 tons / hr	90 metric ton /hr
Ni Matte / Cu matte / FeMn / SiMn		
COOLING TIME	5.5 MINUTES	5.5 MINUTES
MOULDS	DOUBLE CAVITY	DOUBLE CAVITY
TOTAL INGOT WEIGHT	120 LBS TOTAL	54.4 kg TOTAL



PIG CASTING MACHINE PLAN VIEW



PIG CASTING MACHINE ELEVATION

MODEL PM-200-SSP PIG IRON CASTING MACHINE GENERAL ARRANGEMENT

DISCHARGE END VIEW

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ECONOMY INDUSTRIAL
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MODEL PM200SS INGOT CASTING MACHINE

GENERAL ARRANGEMENT

E.I. REF. No.

APPROVED REVIEWED CHECKED

DRAWN BY DATE SCALE DRAWING No. PM-200 REV.

