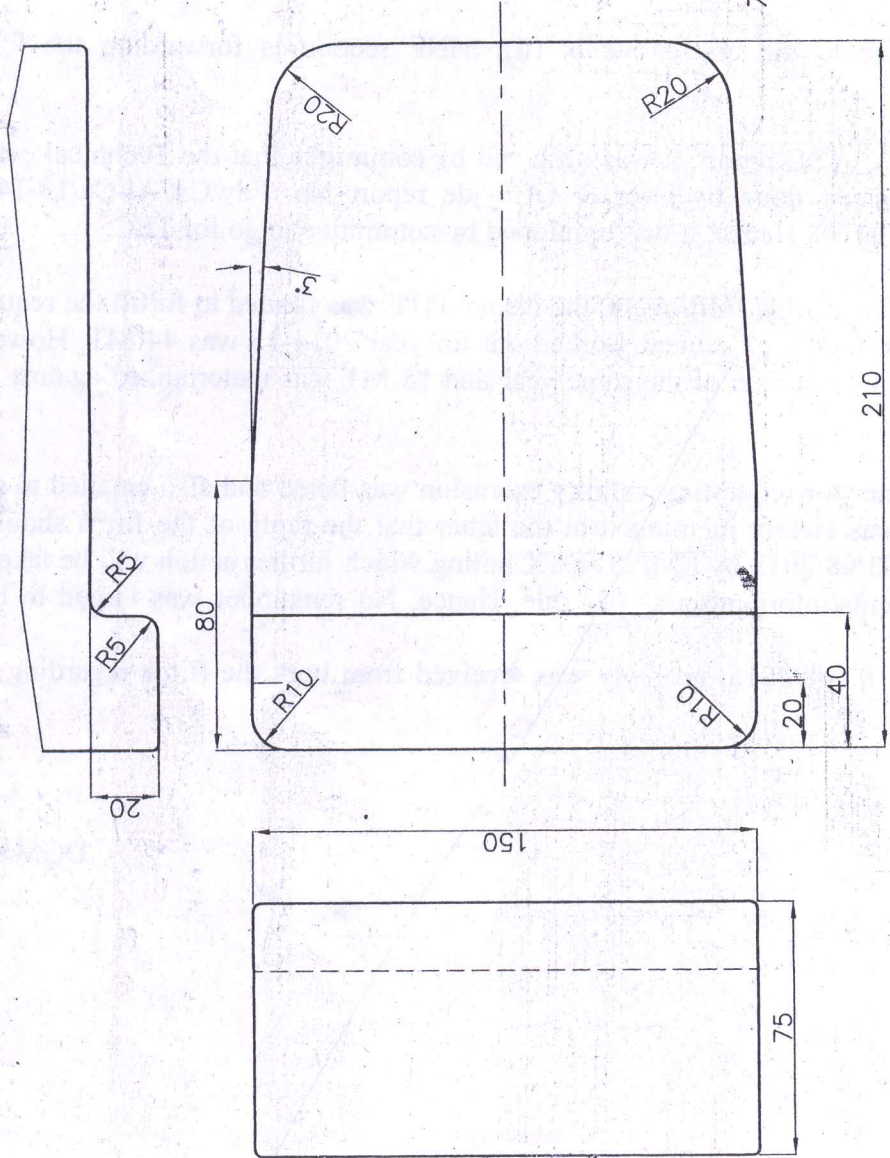


DRG. NO. FDY-217 A

NOTE:

1) GENERAL TOL. AS PER IS:2102 COMPSE UNLESS OTHERWISE SPECIFIED



COPY ISSUED BY CDD/OFAJ
यह प्रसि सी डी डी /ओ एफ.ए.जे.
द्वारा की गई है।

दिनांक: क.प्र.ड./सी.डी.डी.
Date 14-03-2017
for JWM/CDD

ADVANCED MATERIAL:-
FUSED SILICA/CALCIUM-
ALUMINO-SILICATE NON-
WETTING REFRACTORARY
WITH HEAT-TREATED.
TEMP.- FOR CONTINUOUS
USE AT 800 °C

MATERIAL: ASBESTOS-FREE FUSED-SILICA-BASE NON-WETTING-REFRACTORARY

CHEMICAL COMPOSITION	
MATERIAL	WEIGHT (%)
Al ₂ O ₃	11.5 - 12.5
SiO ₂	83.5 - 85.5
Fe ₂ O ₃	<0.1

PHYSICAL PROPERTIES

BULK DENSITY (Kg/m ³)	1800
CCS (MPa)	34
MEAN SPECIFIC HEAT (J/Kg K)	1100
CO-EFFICIENT OF THERMAL EXPANSION	1.25x10 ⁻⁶

THERMAL CONDUCTIVITY		
TEMPERATURE °C	COLD FACE	MEAN
968	705	836
		1.05

DIMENSIONS ARE IN mm		MATERIAL		AS STATED	
THIRD ANGLE PROJECTION	SCALE - 1:2	NAME	DATE	NOMENCLATURE	
2003		AMAL	20.06.03	FLOW CONTROL DAM FOR CASTING	ORDNANCE FACTORY
DRAWN				M/C	AMBAJHARI
TRACED					DRAWING NO.
CHECKED					FDY-217 A
					SHEET NO.-
					NO. OF SHEETS -
					OPN. NO.
					COMPT.
					DAM

REV DATE DESCRIPTION SIGN

02 18 08 MATERIAL CHANGED

01 18 08 DRG. NO. ADVANCED TO A

A M E N D M E N T S

STORE ERMAT FURNACE

DRAWN AS PER SAMPLE