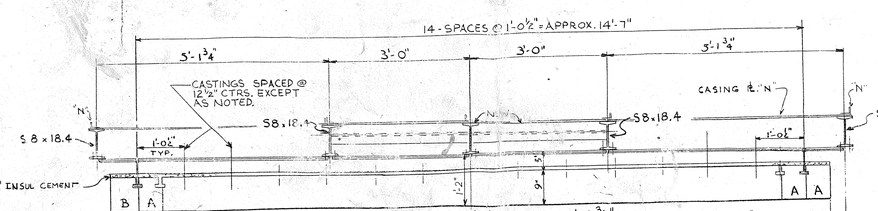
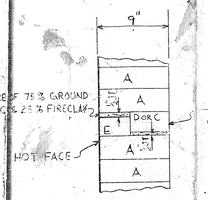


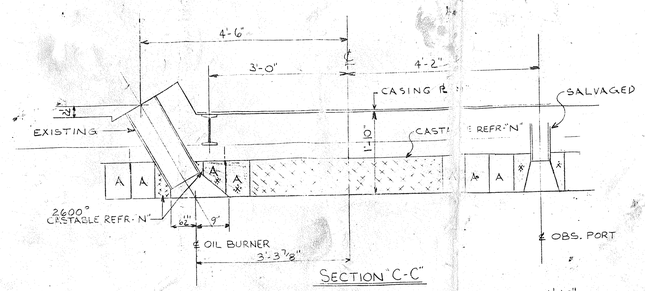
SECTION "D-D"



SECTIONAL PLAN VIEW



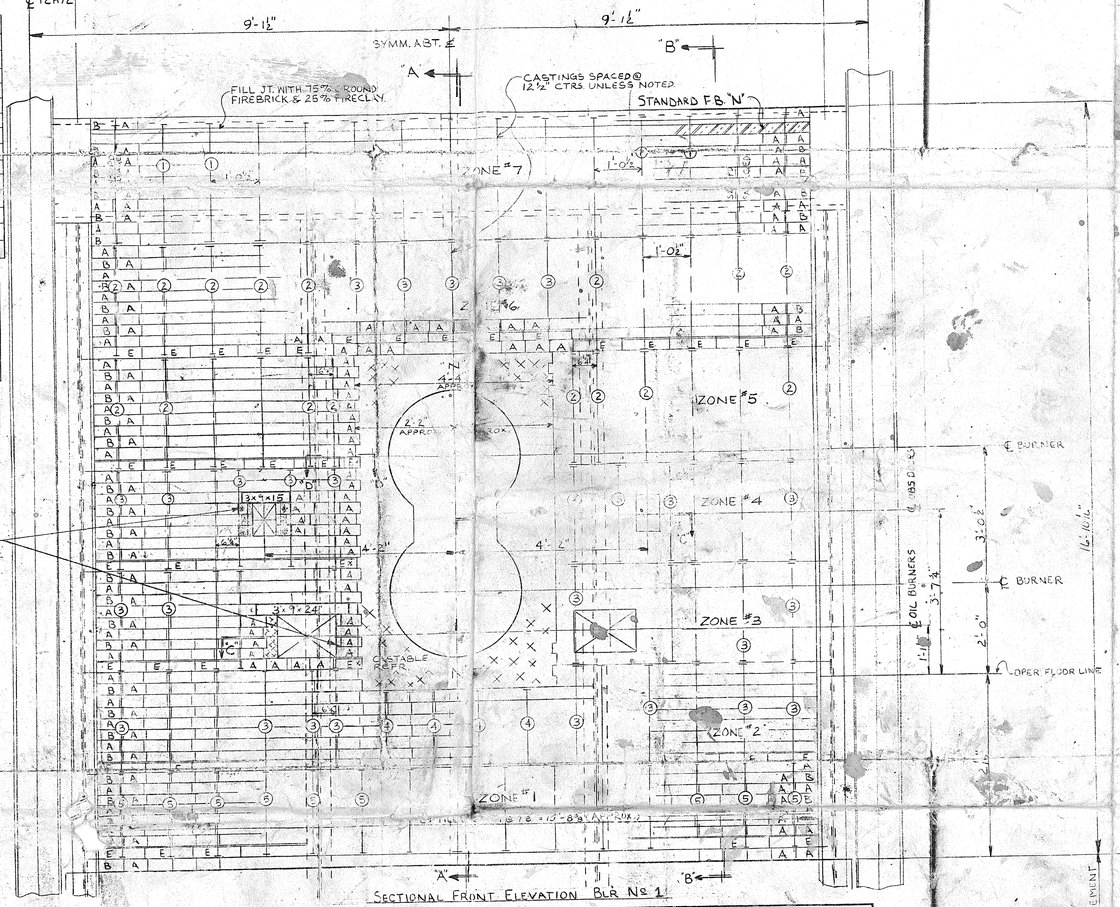
TYPICAL EXPANSION JOINT (FOR 9" REFRACTORY WALL AREAS)



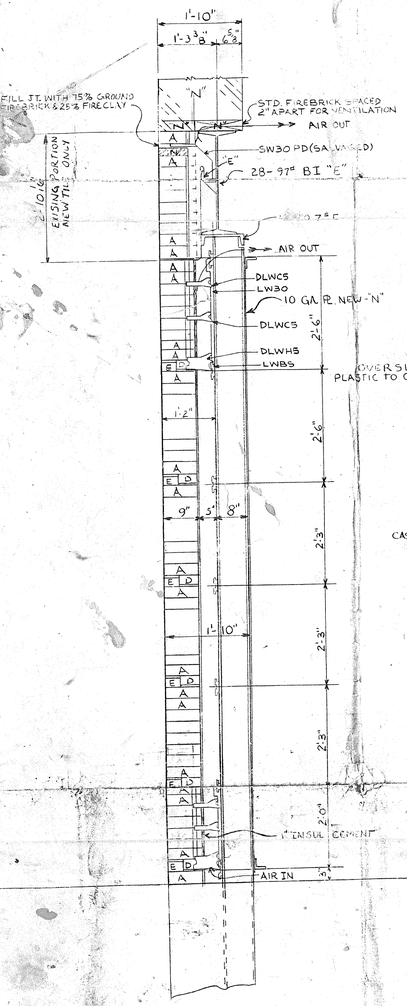
SECTION "C-C"

CASTING LEGEND	
KEY	NAME
①	1 - SW30 PD
②	1 - LW27
	2 - DLWC5
	1 - DLWH5
③	1 - LW30
	2 - DLWC5
	1 - DLWH5
④	1 - LW18
	1 - DLWC5
	1 - DLWH5
⑤	1 - LW24
	2 - DLWC5
	1 - DLWH5

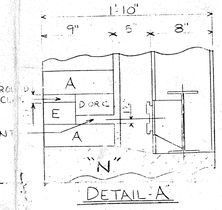
TILE LEGEND	
SYM	NAME
A	SP9125
B	SPF9
C	SP9
D	SP92
E	SPE 792



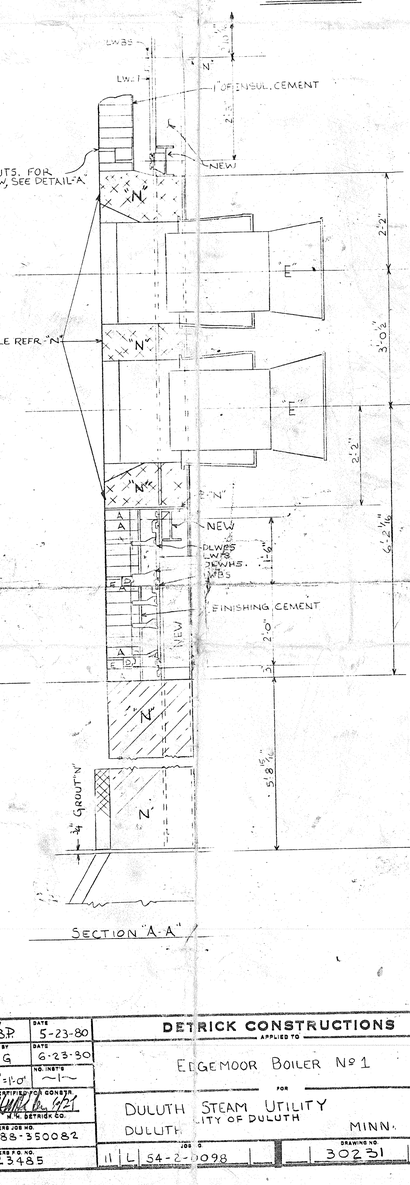
SECTIONAL FRONT ELEVATION BLR № 1



SECTION "B-B"



DETAIL "A"



SECTION "A-A"

LIST OF MATERIAL REQ'D FOR (1) ONE BOILER WALL ONLY

QUALITY	TILE FIRST QUALITY							INSUL. MATERIALS				CASTING 59										MACHINE BOLTS
NAME	SP9125 SPECIAL SHAPES	SP9	SP92	SPF9	SPE792	SP9125	FIRECLAY	INSUL. CEMENT	GROUND FIRECLAY	AIR SETTING CEMENT	2600° STD CASTABLE	SW30PD SALVAGE	LW18	LW24	LW27	LW30	LWB5336	LWB5540	LWB5644	LWB5655H5C	DLWH5	DLWC5	½"ø 1¾" W/NUTS
ZONE "7"				10		290	225#	200#	70#			15			5	10	2		2		15	30	8
ZONE "6"		4	6	12	9	15	262	200#								12				2	12	24	6
ZONE "5"		6	8	9	12		189	150#	28#						12			1		2	12	24	4
ZONE "4"	2	6	8	8	12		164	125#								10				2	10	20	4
ZONE "3"	2	10	4	8	10		146	125#	28#						12			1		2	16	28	6
ZONE "2"		4	13	8	15		214	175#					4										
ZONE "1"		2	14	8	15		232	175#	28#					15				4		2	15	30	16
TOTAL	2	2	34	59	60	79	1497	1175#	238#			15	4	15	39	22	6	2	6	8	80	156	44
SPARES	0	0	1	3	3	3	30	225#	62#			0	0	1	1	1	0	0	0	1	2	4	4
TOTAL TO SHIP	2	2	35	62	63	82	1527	1400#	300#	100#	300#	0	4	16	40	23	6	2	6	9	82	160	48

NOTES: 1. ALL NEW STEEL IS "N" EXCEPT CASING
2. ALL STEEL IS EXISTING EXCEPT AS NOTED.
3. ALL TILE TO BE LAID IN FIRECLAY.
4. FOR ERECTION & PUNCHING DIAGRAM SEE DWG DS-1-30232.
5. THIS SET CONSIST OF (2) TWO DWGS 30231 & DS-1-30231.
6. FOR EXISTING STEEL & WALL CONSTRUCTION REFER TO SERIES 8359.

MATERIAL MARKED "IN" NOT FURNISHED BY M. H. DETRICK CO.

DRAWN BY	DATE
BP	5-23-80
CHECKED BY	DATE
RGG	6-23-30
SCALE	NO. SHEETS
½"=1'-0"	~1~
CERTIFIED FOR CONSTR. M.H. DETRICK CO.	
CUSTOMERS JOB NO.	
03188-350082	
CUSTOMERS P.O. NO.	
23485	

DETRICK CONSTRUCTIONS

APPLIED TO

EDGEMOOR BOILER № 1

FOR

DULUTH STEAM UTILITY
CITY OF DULUTH
DULUTH, MINN.

JOB NO. 11L54-2-0098 | DRAWING NO. 30231 | REV.

REVISIONS

NO	DESCRIPTION	DATE	BY

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FOR REPAIR PARTS CONTACT
M.H. DETRICK CO.
19450 97TH AVE
MOKENA ILL. 60448
YOUR DETRICK REPRESENTATIVE WILL GIVE FAST & EFFICIENT REPAIR ORDER SERVICE OR ASSISTANCE WITH YOUR MAINTENANCE PROBLEMS.

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THIS DRAWING IS BASED ON INFORMATION DERIVED FROM CUST. DWG. 8359

M. H. DETRICK CO. CHICAGO, ILLINOIS

BRUNING 44-131