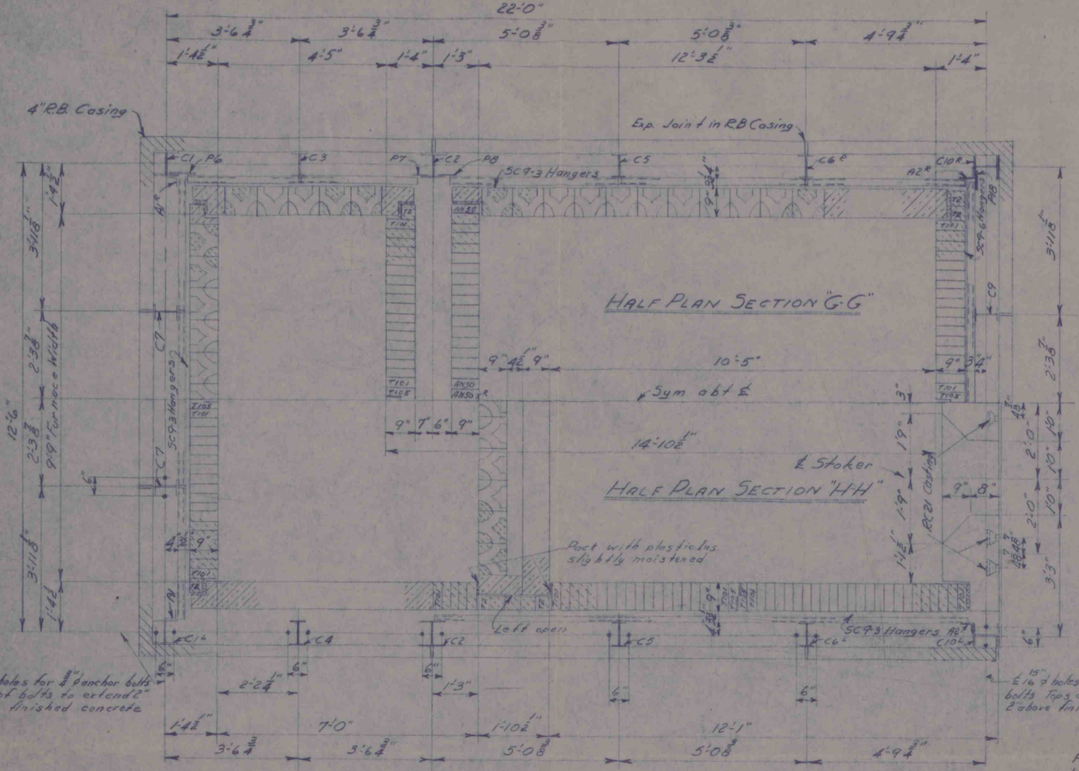
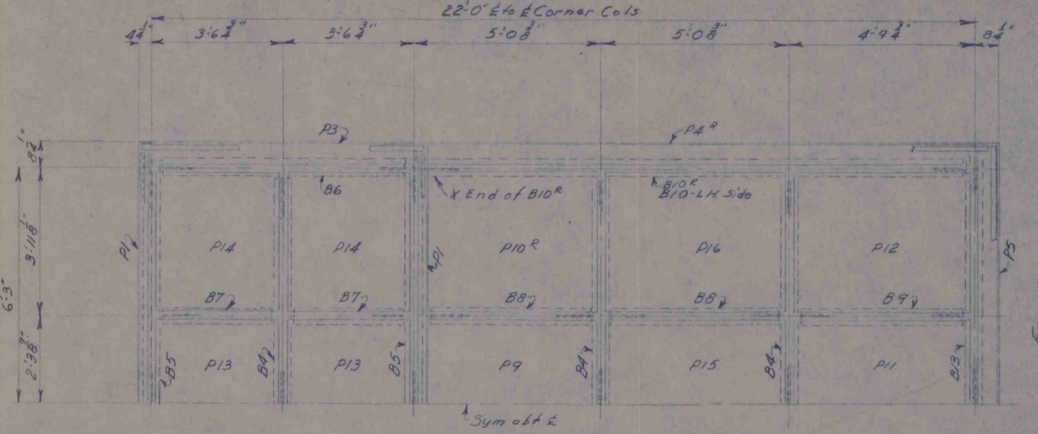
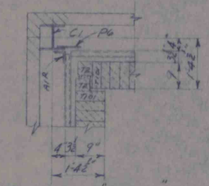
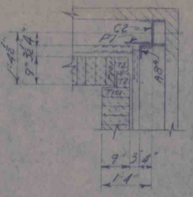


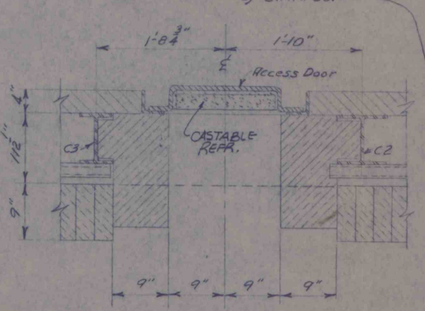

ROOF PLAN



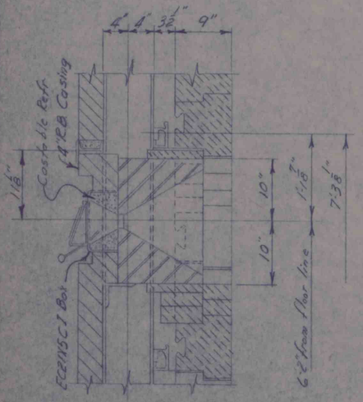
SECTION H-H"



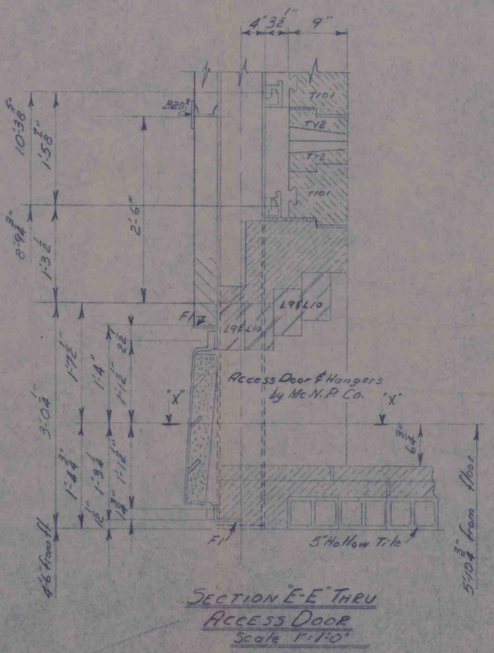
SECTION "J-J"




PLAN SECTION "X-X" THRU ACCESS DOOR




SECTION "F-F"
Scale 1"=1'-0"




SECTION "E-E" THRU ACCESS DOOR
Scale 1"=1'-0"

## No 1 Refractory Quantities

| Material | RH Side Wall | LH Side Wall | Front Wall | Rear Wall | Curtain Wall | Bridge Wall | Lower Arch | Upper Arch | Floor | Total | Extra | Ship |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T101 | 258 | 252 | | 296 | 148 | | | 140 | | 1094 | 26 | 1120 |
| T105 | 6 | 6 | | 16 | 8 | | | | | 36 | 2 | 38 |
| T112 | | | | | | | | 168 | | 168 | 7 | 175 |
| T2 | 83 | 83 | 46 | 16 | 38 | | | | | 266 | 6 | 272 |
| T39 | 6 | 6 | | | | | | 10 | | 22 | 3 | 25 |
| TY2 | 66 | 66 | | 120 | 22 | 22 | | | | 296 | 6 | 302 |
| T34 | | | | | | | | 12 | | 12 | 3 | 15 |
| L9 | 8 | | | | | | | | | 8 | 1 | 9 |
| L10 | 16 | | | | | | | | | 16 | 2 | 18 |
| Fire Brick | 550 | 550 | | 496 | 280 | 140 | 180 | 100 | 520 | 2816 | 184 | 3,000 |
| 2" Brick | | | | | | | | | | | 50 | 50 |
| 1½" Splits | 45 | 45 | | 42 | 28 | 42 | | | | 202 | 48 | 250 |
| Jacks | 25 | 25 | | 66 | 42 | 52 | | | | 210 | 40 | 250 |
| Soaps | | | | | | | | | | | 30 | 30 |
| 3" Brick | | | | | 14 | | | | | 14 | 36 | 50 |
| Red Brick | 3284 | 3308 | 470 | 1400 | 280 | | | | 470 | 9212 | 148 | 9360 |
| * 5/8 & 1/2" Hollow Tile | | | | | | | | | 112 | 112 | 4 | 116 |
| * 5/8 & 6" Hollow Tile | | | | | | | | | 14 | 14 | 2 | 16 |
| Hi Temp. Cem. | 1100# | 1100# | 250# | 500# | 320# | 300# | 540# | 340# | | 4450# | 150# | 4600# |
| Fire Clay | 150# | 150# | 100# | 150# | 50# | | | | 200# | 800# | 50# | 850# |
| Castable Refr. | | | | | | | | | | | 200# | 200# |

## Super Duty Refractory Quantities

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T101 | 264 | 264 | 148 | | | | 235 | | | 911 | 9 | 920 |
| T105 | 20 | 20 | 8 | | | | 20 | | | 68 | 2 | 70 |
| T112 | | | | | | | 282 | | | 282 | 4 | 286 |
| T125 | | | | | | | 24 | | | 24 | 2 | 26 |
| TY2 | 54 | 54 | 44 | | | | | | | 152 | 6 | 158 |
| AN150 R | | | 18 | | | | | | | 18 | 1 | 19 |
| AN150 L | | | 18 | | | | | | | 18 | 1 | 19 |
| AN150X R | | | 1 | | | | | | | 1 | | 1 |
| AN150X L | | | 1 | | | | | | | 1 | | 1 |
| AN50 | | | 72 | | 216 | | | | | 288 | 4 | 292 |
| AN50X R | | | 2 | | 6 | | | | | 8 | 1 | 9 |
| AN50X L | | | 2 | | 6 | | | | | 8 | 1 | 9 |
| X39 | 4 | 4 | | | | | | | | 8 | | 8 |
| Fire Brick | 620 | 620 | 98 | | | 588 | | | | 1926 | 24 | 1950 |
| 1" Splits | | | 14 | | | | | | | 14 | 11 | 25 |
| 1½" Splits | 82 | 82 | 14 | | | | | | | 178 | 22 | 200 |
| Jacks | | | | | | 14 | | | | 14 | 6 | 20 |
| Super Plastic | | | 2100# | 50# | 50# | | | | | 2200# | 200# | 2400# |

Plastic Ins. for upper arch & exp. joints 500#

* Not from Refractory Co.

DO NOT SCALE THIS DRAWING
USE DIMENSIONS ONLY

"F"—MATERIAL FURNISHED BY G. P. R. CO.
"N"—MATERIAL NOT FURNISHED BY G. P. R. CO.

THESE CONSTRUCTIONS ARE PROTECTED PATENTS ALLOWED OR ISSUED

THIS DRAWING BASED ON INFORMATION FROM

DATE ISSUED
FEB 22 1962
GEO. P. REINTJES CO., INC.

THE McNALLY PITTSBURG MFG. CORP.
PITTSBURG, KANSAS

ROCHESTER & PITTSBURGH COAL CO.
ERNEST MINE, INDIANA CO., PA.

GEORGE P. REINTJES CO.
FURNACE WALLS & ARCHES
KANSAS CITY, MISSOURI

DRAWN BY: D.R.J.
S-DATE: 8-7-51
C-DATE: 8-10-51
CHECKED BY: Russ.
CONTRACT NUMBER:
SCALE: ½" & 1"=1'-0"
DRAWING NUMBER: D2416-B

Plan Sections & Material Quantities
9" Sectionally Suspended Walls & Arches
For One No. 4 McNally Reintjes Dryer
Furnace 2-24' McNally Spreader Stokers

REVISIONS