PLOT PLAN

SCALE $\frac{1}{16}$ IN. = 1 FT.

NOTE

GEN. CONTRACTOR SHALL REPAIR ALL DEFECTIVE AND DAMAGED SIDEWALKS & CURBS AND LEAVE ALL IN PERFECT CONDITION AT COMPLETION OF THE WORK.

WATER, GAS & SEWER CONNECTIONS - OCT. 2, 1914

WORK ORDER	NEW COUCH SCHOOL	JOB NO.
68		15

PLOT PLAN

DATE	SCHOOL DISTRICT NO. 1	SHEET NO.
9/11/14	MULTNOMAH COUNTY, OREGON. F. A. HARAMORE SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON.	3

KEY TO INDICATIONS

- D.F. DRINKING FOUNTAIN
- F.D. FLOOR DRAIN
- H.C. HOSE COCK
- H.R. HOSE RACK
- S.S. SLOP SINK
- RAD. RADIATOR
- V.C. VAC. CLEANER OUTLET
- ELECTRIC, CEILING. 100 WATTS
- " , WALL 60 "
- 30 AMPERE ELECTRIC OUTLET
- BASE PLUG
- S SWITCH S_3 3 WAY SWITCH
- MASTER CLOCK
- SECONDARY CLOCK
- PUBLIC TELEPHONE
- PRIVATE TELEPHONE
- ELECTRIC BELL
- PUSH BUTTON
- T THERMOSTAT
- F.H. FIRE HOSE
- CONCRETE
- SOLID PLASTER OR METAL STUD
- TILE PARTITIONS + FURRING
- BRICK
- DISTRIBUTION PANEL
- 3 PHASE MOTOR OUTLET

NOTE.
GRILLES, DUCTS AND PIPING FOR THIS FLOOR SHOWN ON SHEETS #21 & #22

DOORS

- A 3'-4" x 7'-0" x 1¾" FLUSH PANEL
- B 3'-0" x 7'-0" x 1¾" " "
- C 2'-8" x 7'-0" x 1¾" " "
- D 2'-6" x 7'-0" x 1¾" " "
- E 3'-0" x 7'-0" x 1¾" KALAMEINED
- H 3'-3" x 7'-6" x 2¼" COPPER COVERED + GLAZED
- I 3'-3" x 7'-0" x 2¼" COPPER COVERED + GLAZED
- J 6'-0" x 7'-0" OPENING 1¾" FLUSH PANELLED
- N 3'-0" x 7'-0" x 1¾" GLAZED

BOILER R'M. WALLS REVISED DEC. 1914

WORK ORDER	NEW COUCH SCHOOL	JOB NO.
68		13

GROUND FLOOR PLAN

DATE	SCHOOL DISTRICT NO. 1	SHEET NO.
9/11/14	MULTNOMAH COUNTY, OREGON F. A. NARAMORE, SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON	4A

S-462

SIZES & LOCATION OF DOWNSPOUTS ADDED OCT. 2-1914

WORK ORDER	NEW COUCH SCHOOL	JOB NO.
68		13

FIRST FLOOR PLAN

DATE		SHEET NO.
9/12/14	SCHOOL DISTRICT No 1 MULTNOMAH COUNTY · OREGON F. A. NARAMORE SUPERINTENDENT OF PROPERTIES PORTLAND · ORE.	5

ROOM FINISH

CLASS ROOMS (SEE DETAILS)
WOOD FLOOR & COVED BASE
CHALK TRAY, BLACKBOARD CAP
CORK STRIP & PICTURE MOLD
CANVAS WAINSCOT
SLATE BLACKBOARDS ON WALLS
HYLOPLATE " " WARDROBE DOORS

CORRIDORS (SEE STAIR DETAIL)
CEMENT FLOOR & 6" BASE
CHAIR RAIL & PICTURE MOLD
CANVAS WAINSCOT

ASSEMBLY HALL (SEE DETAIL)
CEMENT FLOOR EXCEPT STAGE
WOOD BASE, CHAIR RAIL & PICTURE MOLD
CANVAS WAINSCOT
MOLDED PLASTER CORNICE, PILASTER
CAPS & PROSCENIUM

COOKING R'M & PANTRY
WOOD FLOOR & COVED BASE
SLATE BLACKBOARD & TRIM WHERE SHOWN
CHAIR RAIL & PICTURE MOLD
3/4" KEENES CEMENT WAINSCOT

ANTE R'MS (SEE DETAIL)
CEMENT FLOOR
WOOD BASE, CHAIR RAIL & PIC. MOLD
CANVAS WAINSCOT

VESTIBULES (SEE DETAILS)
CEMENT FLOOR & 6" BASE
WOOD CHAIR RAIL & PICTURE MOLD
CANVAS WAINSCOT
PLASTER CORNICE

JANITORS CLOSET
CEMENT FLOOR & 4'-0" WAINSCOT

LIBRARY, PRINCIPAL & TEACHERS' R'MS.
WOOD FLOOR & COVED BASE
CHAIR RAIL & PICTURE MOLD
CANVAS WAINSCOT

KITCHENETTE
WOOD FLOOR & COVED BASE
CHAIR RAIL 4'-6" FROM FLOOR
CANVAS WAINSCOT

TOILETS
CEMENT FLOOR & WAINSCOT
6'-0" HIGH METAL GROUND
AT TOP

KEY TO INDICATIONS

- D.F. DRINKING FOUNTAIN
- F.D. FLOOR DRAIN
- H.C. HOSE COCK
- H.R. HOSE RACK
- S.S. SLOP SINK
- RAD. RADIATOR
- V.C. VAC. CLEANER OUTLET
- ELECTRIC, CEILING, 100 WATTS
- " WALL 60 "
- 50 AMP. ELECTRIC OUTLET
- BASE PLUG
- SWITCH
- MASTER CLOCK
- SECONDARY CLOCK
- PUBLIC TELEPHONE
- PRIVATE TELEPHONE
- ELECTRIC BELL
- PUSH BUTTON
- THERMOSTAT
- ~~FIRE HOSE~~
- CONCRETE
- SOLID PLASTER OR METAL STUD
- TILE PARTITIONS & FURRING
- BRICK
- DISTRIBUTION PANEL
- 3 PHASE MOTOR OUTLET

DOORS

- A 3'-4" x 7'-0" x 1¾" PLUSH PANEL
- B 3'-0" x 7'-0" x 1¾" " "
- C 2'-8" x 7'-0" x 1¾" " "
- D 2'-6" x 7'-0" x 1¾" " "
- F 3'-1½" x 7'-6" x 1¾" GLAZED
- G 3'-1½" x 7'-6" x 2¼" COPPER COVERED & GLAZED
- H 3'-3" x 7'-6" x 2¼" COPPER COVERED & GLAZED
- O 3'-0" x 7'-0" x 1¾" DUTCH DOOR PLUSH PANELED
- N 3'-0" x 7'-0" x 1¾" GLAZED

SIZE & LOCATION OF DOWNSPOUTS ADDED OCT. 2, 1914.

WORK ORDER	NEW COUCH SCHOOL	JOB NO.
68		13

FIRST FLOOR PLAN

DATE	SCHOOL DISTRICT NO. 1	SHEET NO.
9/12/14	MULTNOMAH COUNTY, OREGON. F. A. NARAMORE SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON.	5A

FIRST FLOOR PLAN

SCALE ⅛ IN. = 1 FT.

KEY TO INDICATIONS

- D.F. DRINKING FOUNTAIN
- F.D. FLOOR DRAIN
- H.C. HOSE COCK
- H.R. HOSE RACK
- S.S. SLOP SINK
- RAD RADIATOR
- V.C. VAC. CLEANER OUTLET
- 100 ELECTRIC, CEILING, 100 WATTS
- 60 " WALL 60 "
- 50 AMPERE ELECTRIC OUTLET
- BASE PLUG
- S SWITCH
- MC MASTER CLOCK
- SECONDARY CLOCK
- PUBLIC TELEPHONE
- PRIVATE TELEPHONE
- ELECTRIC BELL
- PUSH BUTTON
- T THERMOSTAT
- F.H. FIRE HOSE
- CONCRETE
- SOLID PLASTER OR METAL STUD
- TILE PARTITIONS & FURRING
- BRICK
- DISTRIBUTION PANEL
- 3 PHASE MOTOR OUTLET

ROOM FINISH

CLASS ROOMS (SEE DETAILS)
WOOD FLOOR & COVED BASE.
CHALK TRAY, BLACKBOARD CAP.
CORK STRIP & PICTURE MOLD.
SLATE BLACKBOARDS ON WALLS
TYLOPLATE " " ON WARDROBE DOORS.
CANVAS WAINSCOT

CORRIDORS (SEE STAIR DETAIL)
CEMENT FLOOR & 6" BASE
CANVAS WAINSCOT
CHAIR RAIL & PICTURE MOLD

SEWING AND FITTING ROOMS
WOOD FLOOR & COVED BASE
CHAIR RAIL & PICTURE MOLD
CANVAS WAINSCOT 3'-9" HIGH
SLATE BLACKBOARDS WHERE SHOWN

EMERGENCY & SPECIAL ROOMS
CEMENT FLOOR.
WOOD BASE, CHAIR RAIL
AND PICTURE MOLD
CANVAS WAINSCOT

DOORS

- O 3'-9" x 7'-3" x 1¾" FLUSH PANEL
- P 3'-0" x 7'-3" x 1¾" " "
- Q 2'-6" x 7'-3" x 1¾" " "
- K 2'-6" x 6'-6" x 1¾" " "
- L 3'-4" x 7'-0" x 2¼" GLAZED SOLID CEDAR PANELLED
- M 2'-5½" x 7'-0" x 2¼" GLAZED SOLID CEDAR PANELLED

SECOND FLOOR PLAN

SCALE 1/8 IN. = 1 FT.

SIZE & LOCATION OF DOWNSPOUTS ADDED OCT. 2, '14

WORK ORDER	NEW COUCH SCHOOL	JOB NO.
68		13
SECOND FLOOR PLAN		
DATE 9/1/14	SCHOOL DISTRICT NO. 1 MULTNOMAH COUNTY, OREGON. F. A. HARAMORE SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON.	SHEET NO. 6

ELEVATION OF GLAZED PARTITIONS BETWEEN BOYS LOCKER R'M. & MANUAL TRAINING DEPT.
SCALE 1/4" = 1'-0"

NOTE
ALL VENT. DIMENSIONS ARE FOR OPENING IN CONCRETE SLAB

ROOF PLAN
SCALE 1/8 IN. = 1 FT.

1" SCALE DETAIL OF VENTILATORS

ELEVATION OF GLAZED PARTITION BETWEEN GIRLS' LOCKER R'M. AND GYMNASIUM (SECTION THRO. GYM)
SCALE 1/4" = 1'-0"

DOWNSPOUT SIZES ADDED OCT. 2. 1914.

WORK ORDER		JOB NO.
68	NEW COUCH SCHOOL	13
ROOF PLAN GLAZED PARTITIONS		
DATE 9/11/14	SCHOOL DISTRICT NO. 1 MULTNOMAH COUNTY, OREGON. F. A. NARAMORE, SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON	SHEET NO. 7

TWENTIETH ST. (EAST) ELEVATION

WEST ELEVATION

WORK ORDER 68	NEW COUCH SCHOOL	JOB NO. 13
EAST ELEVATION WEST " LONGITUDINAL SECTION		
DATE 9/1/14	SCHOOL DISTRICT NO. 1 MULTNOMAH COUNTY, OREGON F. A. HARANDES SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON.	SHEET NO. 8

LONGITUDINAL SECTION – LOOKING WEST

SCALE ⅛ IN. = 1 FT.

8

5-4403

GLISAN ST (SOUTH) ELEVATION

HOYT ST. (NORTH) ELEVATION

DETAILS OF FLAGPOLE AND BASE
SCALE 1/2" = 1'-0"

TRANSVERSE SECTION — LOOKING NORTH
SCALE 1/8" = 1'-0"

WORK ORDER 68	NEW COUCH SCHOOL	JOB NO. 13
SOUTH ELEVATION NORTH " TRANSVERSE SECTION		
DATE 9/11/14	SCHOOL DISTRICT NO. 1 MULTNOMAH COUNTY, OREGON. F. A. NARAMORE, SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON.	SHEET NO. 9

Sand from

B-4601

SECTION THRU "A-A"

½" SCALE DETAIL OF TYPICAL ENTRANCE

SECTION THRU ℄ OF TYPICAL ENTRANCE

½ INCH SCALE DETAIL — INNER VESTIBULE DOORS
SOUTH ENTRANCES

WORK ORDER	NEW COUCH SCHOOL	JOB NO.
68		13
TYPICAL ENTRANCE & WALL SECTION		
DATE 9/11/14	SCHOOL DISTRICT NO. 1 MULTNOMAH COUNTY, OREGON P. A. HARAMORB SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON.	SHEET NO. 10

COUCH SCHOOL
TERRA COTTA PANELS ABOVE CORNICE
NORTH AND SOUTH ELEVATIONS
TERRA COTTA PANELS
ABOVE CORNICE
EAST & WEST ELEVATIONS
LAMP ROOM
SECTION OF LAMP ROOM
COPPER COVERED DOORS
LANDING
WATERPROOFING
CEMENT
NOTE
USE SAME DETAIL FOR OTHER SOUTH ENTRANCE EXCEPT REVERSE THE ORDER OF DECORATED PANELS
STORE ROOM
FIN. FIRST FLOOR EL. 126.4
CLOSET
SIDEWALK
SECTION OF SIDE WALL
SIDE ELEVATION
SECTION A-A OF CORNER
PROPERTY LINE
DETAILS OF SOUTH ENTRANCES AND
LAMP ROOM TOWER
SCALE ½ IN. = 1 FT.
WORK ORDER 68
NEW COUCH SCHOOL
JOB NO. 13
SOUTH ENTRANCES
LAMP RM. TOWER
DATE 9/1/14
SCHOOL DISTRICT NO. 1
MULTNOMAH COUNTY, OREGON.
P. A. NARAMORE
SUPERINTENDENT OF PROPERTIES
PORTLAND, OREGON.
SHEET NO. 11

WORK ORDER 68	NEW COUCH SCHOOL	JOB NO. 13
DETAILS ASSEMBLY RM. & STAGE		
DATE 9/11/14	SCHOOL DISTRICT NO: 1 MULTNOMAH COUNTY, OREGON. F. A. NARAMORE SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON.	SHEET NO. 12

ELEVATION "A" BOYS TOWEL ROOM
SCALE 1/2" = 1'-0"

ELEV. "D"
BOYS TOWEL RM.

PLAN OF BOYS TOWEL RM.
GIRLS TOWEL RM. SIMILAR
WITH PARTITIONS IN SPACES
MARKED "X" AND SHELVING
SIMILAR TO ELEVATION "C"

ELEVATION OF BOYS SHOWER RM. PARTITION FROM LOCKER RM.
SCALE 1/4" = 1'-0"

ELEVATION "C"
1/2" = 1'-0"

ELEVATION "D"

ELEVATION OF GIRLS SHOWER RM. PARTITION FROM LOCKER RM.
SCALE 1/4" = 1'-0"

GIRLS TOILET PARTITION
FROM LOCKER RM.

ELEVATION OF BOYS TOILET RM. PARTITION FROM LOCKER ROOM
SCALE 1/4" = 1'-0"

ELEVATION

PLAN

CASE IN OFFICE OF
MANUAL TRAINING DEPT.
1/2" = 1'-0"

WOOD WORKING ROOM

PLAN & ELEVATION OF TOOL CASE & GLAZED PARTITION
NORTH END OF WOOD WORKING RM.
SCALE 1/4" = 1'-0"

1/2 INCH SCALE DETAILS
TOWEL ROOMS
TOILET " "
SHOWER " "
OPENING OFF LOCKER R'MS.

CASES IN
MANVAL TRAINING DEPT.

WORK ORDER 68	NEW COVCH SCHOOL	DRG. NO. 13
1/2" SCALE DETAILS OF TOWEL RMS. TOILET & SHOWER RM.		
DATE 9/11/14	SCHOOL DISTRICT NO. 1 MULTNOMAH COUNTY, OREG. & ANACONDA, MONTANA PROPERTY OF PACIFIC BRANCH	SHEET 14

PLAN OF ROUGH CONCRETE POOL
Scale 1/4"=1'-0"

SECTION ON CENTER LINE
Scale 1/4"=1'-0"

SECTION B-B
Scale 1/2"=1'-0"

SECTION CC
Scale 1/4"=1'-0"

SECTION D-D
Scale 1/4"=1'-0"

PLAN OF INLETS
6 Required

PLAN OF CUTTER OUTLET

General Note.
Concrete mix 1:3:5. All rods plain round or equivalent. For location of pool in building see Ground Floor Plan. Where necessary provide minimum size recesses in back of pool wall to receive basement story columns. Provide and place horizontally 3/8" rods-12" c. to c. across recess. Rods to lie 2" from inside face and to extend 12" beyond sides of recess. Pour floor concrete adjacent to wall, at least 12" in width, at same time wall is poured. Tops of nearby column footings to be at same elevation as bottom of footing of pool wall nearest to the respective footings

PLAN OF LADDER

SECTION THROUGH STAIRS
Scale 1/4"=1'-0"

CAST BRONZE GUTTER OUTLETS WITH LEAD CONNECTION

SECTION OF END WALL

ELEVATION OF STEPS
SCALE 1"=1'-0"

SECTION OF STEPS

PLAN OF STEPS

ELEVATION OF LADDER

SECTION OF LADDER

SECTION OF WALL AT DEEP END
SCALE 1"=1'-0"

MAIN OUTLET AT LOW POINT OF POOL
SCALE 1"=1'-0"

WORK ORDER 68	NEW COUCH SCHOOL	JOB NO. 13
SWIMMING POOL DETAILS		
DATE OCT 20 1914	SCHOOL DISTRICT NO. 1 MULTNOMAH COUNTY, OREGON. F. A. NAKAMORE. SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON.	SHEET NO. 15

SOUTH WALL OF SOUTH WEST STAIR
NORTH WALL OF NORTH EAST STAIR
1/8" SCALE DIAGRAMS SHOWING OPENINGS IN CONCRETE STAIR WALLS
SECTION AT INTERSECTION OF WEST & NORTH CORRIDORS LOOKING TOWARD STAIRS
3" SCALE DETAILS OF STAIR RAILING
SECTION A-A
3" SCALE DETAIL OF STAIR NOSING
PLAN AT FIRST FLOOR
TYPICAL STAIR DETAILS
SCALE 1/2 IN. = 1 FT.
SOUTH WALL OF NORTH WEST STAIR
NORTH WALL OF SOUTH WEST STAIR
SOUTH WALL OF SOUTH EAST STAIR
NORTH WALL OF SOUTH EAST STAIR REVERSE FOR SOUTH WALL OF NORTH EAST STAIR & OMIT 16"x18" OPENING
1/8" SCALE DIAGRAMS SHOWING OPENINGS IN CONCRETE STAIR WALLS
KEY TO MATERIALS
CONCRETE
BRICK
TERRA COTTA
PARTITION TILE
WOOD
PLASTER
WORK ORDER 68
NEW COUCH SCHOOL
JOB NO. 13
TYPICAL STAIR DETAILS
DATE 9/11/14
SCHOOL DISTRICT NO. 1
MULTNOMAH COUNTY, OREGON.
F. A. HARMORE,
SUPERINTENDENT OF PROPERTIES
PORTLAND, OREGON.
SHEET NO. 16

FOOTING PLAN

Scale 1/8" = 1'-0"

Elevations refer to top of footings

Drainage system shown thus ——— N

Wall Footing Sizes

Section	W	O	T	b
A	12" - 18½"	2"	4"	16" - 22½"
B	12"	18"	27"	48"
C	12"	12"	18"	36"
D	12" - 18½"	13'-9¾"	20"	38"
E	12" - 18½"	12'-8¾"	22"	36"
F	12"	12"	18"	36"
G	12"	4"	6"	20"
I	6" - 8"	4"	8"	14" - 16"
J		3"	6"	

SECTION K-K

SECTION L-L

Sections K-N and O-O similar except El A = 112.0

El top of wall at W = 115.0
at X = 114.4
at Y = 112.6
at Z = 112.0
at U = 113.2
at V = 113.0
at T = 112.0

SECTION M-M.

Detail of Combined Footing

GENERAL NOTE.

Columns: Concrete mix, 1:2:4. All bars plain round or equivalent. In spiral columns vertical rods project 40 diameters into column above, but in no case less than 24". In all others rods project 22 diameters into column above and are wired with No 3 wire ties 12" c. to c. All dowels project ½ their length into column above lengths of dowels are twice the effective depths of the respective footings

Column Footings: Concrete mix 1:2:4. For elevation top of footing see Plan.

Assumed bearing power of soil 5000 lbs per sq ft. Column footings reinforced in both directions with deformed rods. Alternate rods in both layers to be bent up 45° at points under faces of column. Center between layers of rods 3" above bottom of footing

Interior walls and footings: Concrete mix 1:2:4.

Exterior Walls: Concrete mix 1:3:5. Place 2-⅝" rods 2" below rough concrete sill in all basement window, and door, openings; rods to extend 12" past sides of rough opening. For schedule of rough openings in basement story see First Floor Framing Plan.

For location and size of openings in 8" Reinf. Conc. Wall: See Ground Flr. Plan.

For steel see note.

For W = 27" or less ½" rods 12" c. to c.
27" to 42" ½" rods 12" c. to c.
42" to 64" ½" rods 9" c. to c.

Typical Section through Pipe Duct.
For connections see heating plan.

SECTION H-H

COLUMN SCHEDULE

	1-2	3-4	5-6-9-10	7-8-11-12	13-14	15-16	17-18	19	20-28	21
2nd Story	B 12"×12" 4-⅝" ¼"φ-1½" pitch	A 12"×12" 2-¾" - 2-⅞" #3 Wire ties 12" c.ts	A 12"×12" 4-1" #3 Wire ties 12" c.ts	A 12"×12" 4-1" #3 Wire ties 12" c.ts	A 12"×12" 4-1" #3 Wire ties 12" c.ts	A 12"×12" 2-¾" 2-⅞" #3 Wire ties 12" c.ts	B 12"×12" 4-¾" ¼"φ-1½" pitch	A 12"×12" 4-⅝" #3 Wire ties 12" c.ts	A 12"×12" 4-⅝" #3 Wire ties 12" c.ts	A 12"×12" 4-⅝" #3 Wire ties 12" c.ts
1st Story	C 14"×14" 4-1" #3 Wire ties 12" c.ts	D 14"×14" 4-⅝" ¼"φ-1½" pitch	D 14"×14" 4-1" ¼"φ-1½" pitch	D 14"×14" 4-1" ¼"φ-1½" pitch	D 14"×14" 4-1" ¼"φ-1½" pitch	D 14"×14" 4-⅝" ¼"φ-1½" pitch	D 14"×14" 4-⅝" ¼"φ-1½" pitch	D 14"×14" 4-⅝" ¼"φ-1½" pitch	C 14"×14" 4-1⅛" #3 Wire ties 12" c.ts	D 14"×14" 4-⅝" ¼"φ-1½" pitch
Basement	G 16"×16" 6-1" #3 Wire ties 12" c.ts	H 16"×16" 4-⅝" 5/16"φ-2" pitch	I 16"×16" 6-1⅛" 5/16"φ-2" pitch	I 16"×16" 6-1⅛" 5/16"φ-2" pitch	I 16"×16" 6-1⅛" 5/16"φ-2" pitch	H 16"×16" 4-⅝" 5/16"φ-2" pitch	G 16"×16" 4-1⅛" - 2-1½" #3 Wire ties 12" c.ts	I 16"×16" 6-¾" 5/16"φ-2" pitch	F 16"×16" 4-¾" #3 Wire ties 12" c.ts	H 16"×16" 4-⅝" 5/16"φ-2" pitch
Dowels	4-⅝"	4-⅝"	6-¾"	6-⅞"	6-⅞"	4-⅝"	4-⅝"	4-⅝"	4-⅝"	4-⅝"
Footings	See detail.	5'-0"×5'-0"×20" ⅝"-8½" c. to c.	6'-2"×6'-2"×24" ⅝"-6½" c. to c.	6'-3"×6'-3"×24" ⅝"-6" c. to c.	6'-0"×6'-0"×24" ⅝"-6½" c. to c.	5'-3"×5'-3"×21" ⅝"-7½" c. to c.	See detail.	5'-3"×5'-3"×21" ⅝"-8" c. to c.	4'-0"×4'-0"×15" ⅝"-11" c. to c.	5'-2"×5'-2"×20" ⅝"-8" c. to c.

	22-26	23	24	25	27	29-30-31-32	33-34	35-36	37-38	39-44 inc.
2nd Story	A 12"×12" 4-⅝" #3 Wire ties 12" c.ts	A 12"×12" 4-⅝"	A 12"×12" 4-⅝" rods #3 Wire ties 12" c.ts	A 12"×12" 4-⅝" #3 Wire ties 12" c.ts	A 12"×12" 4-⅝" #3 Wire ties 12" c.ts					
1st Story	C 14"×14" 4-1⅛" #3 Wire ties 12" c.ts	C 14"×14" 4-1½" #3 Wire ties 12" c.ts	C 14"×14" 4-1½" #3 Wire ties 12" c.ts	C 14"×14" 4-1½" #3 Wire ties 12" c.ts	D 14"×14" 4-⅝" ¼"φ-1½" pitch	A 12"×12" 4-¾" #3 Wire ties 12" c.ts	J-D 14"×14" 4-1⅛" 5/16"φ-1½" pitch	J-D 14"×14" 4-1⅛" 5/16"φ-1½" pitch	J-D 14"×14" 4-1⅛" 5/16"φ-1½" pitch	J-D 14"×14" 4-1⅛" 5/16"φ-1½" pitch
Basement	F 16"×16" 4-⅝" #3 Wire ties 12" c.ts	H 16"×16" 4-⅝" 5/16"φ-2" pitch	F 16"×16" 4-⅝" #3 Wire ties 12" c.ts	H 16"×16" 4-⅝" 5/16"φ-2" pitch	I 16"×16" 6-⅝" 5/16"φ-2" pitch	14"×14" 4-⅝" ¼"φ-1½" pitch	I 16"×16" 6-⅝" 5/16"φ-2" pitch	I 16"×16" 6-1" 5/16"φ-2" pitch	I 16"×16" 6-1" 5/16"φ-2" pitch	I 16"×16" 6-1" 5/16"φ-2" pitch
Dowels	4-⅝"	4-⅝"	4-⅝"	4-⅝"	6-⅝"	4-⅝"	6-⅝"	6-⅝"	6-⅝"	6-⅝"
Footings	4'-0"×4'-0"×15" ⅝"-11½" c. to c.	5'-0"×5'-0"×19" ⅝"-8½" c. to c.	4'-0"×4'-0"×16" ⅝"-11½" c. to c.	5'-2"×5'-2"×20" ⅝"-8½" c. to c.	5'-0"×5'-0"×20" ⅝"-8½" c. to c.	See detail.	5'-9"×5'-9"×23" ⅝"-7" c. to c.	5'-9"×5'-9"×23" ⅝"-7" c. to c.	5'-10"×5'-10"×24" ⅝"-7" c. to c.	5'-9"×5'-9"×23" ⅝"-7" c. to c.

	45-46	47-48	49-50	51-52	53-54	55-56	57-58	59 to 70 inc.
2nd Story								
1st Story	K-D 14"×14" 4-1⅛" 5/16"φ-1½" pitch	J D 12"×12" 4-1" #3 Wire ties 12" c.ts						
Basement	G 16"×16" 3-1½" - 3-1⅞" #3 Wire ties 12" c.ts	I 14"×14" 4-1" ¼"φ-1½" pitch	I 16"×16" 6-1½" 5/16"φ-2" pitch	I 16"×16" 6-¾" 5/16"φ-2" pitch	E 15"×15" 4-⅝" ¼"φ-1½" pitch	C 18"×14" 4-⅝" #3 Wire ties 12" c.ts	I 16"×16" 4-1" 5/16"φ-2" pitch	A 12"×12" 4-¾" #3 Wire ties 12" c.ts
Dowels	6-⅝"	6-⅝"	6-1⅛"	6-⅝"	4-⅝"	4-⅝"	6-⅝"	4-⅝"
Footings	5'-9"×5'-9"×23" ⅝"-7" c. to c.	4'-9"×4'-9"×19" ⅝"-11" c. to c.	6'-3"×6'-3"×25" ⅝"-6" c. to c.	5'-6"×5'-6"×22" ⅝"-7" c. to c.	3'-6"×3'-6"×13" ⅝"-12" c. to c.	3'-0"×3'-0"×14" ½"-12" c. to c.	5'-6"×5'-6"×22" ⅝"-7" c. to c.	3'-0"×3'-0"×14" ½"-12" c. to c.

TYPICAL COL. FOOTING

WORK ORDER	NEW COUCH SCHOOL	JOB NO.
68		13

FOOTING PLAN
COLUMN SCHEDULE

DATE	SCHOOL DISTRICT NO. 1	SHEET NO.
9/12/14	MULTNOMAH COUNTY, OREGON F. A. NAKAMORE SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON.	17

197'-3"
104'-11"
STAIRS See Detail
Panel a 12" Floortile + 2" Concrete
Panel b 12" Floortile + 2" Concrete
Panel c 6" Floortile + 2" Concrete ¾" cement finish
Panel d 6" Floortile + 2" Concrete ¾" cement finish
Panel e 6"+2"+¾"
Panel g 6"+2"+¾"
Panel h 6"+2"+¾"
Slab l.
Skylight
9" Slab
8" Concrete Wall
Concrete Wall Paint
Down
Slab k
Slab m 6"+6"+6" cts.
5" Slab ½"+6" cts.
Panel i 8"+2"
Panel j 6"+2"
Panel l 6"+2"
Panel o 12" Floortile + 2" Concrete
Panel q 6"+2"+¾"
Panel r 6"+2"+¾"
Panel s 6"+2"+¾"
Panel t 6"+2"+¾"
Panel u 6"+2"+¾"
Panel v 6"+2"+¾"
Panel w 6"+2"+¾"
Panel x 6"+2"+¾"
Panel y 6"+2"+¾"
Panel z 6"+2"+¾"
Panel z1 6"+2"+¾"
Panel z2 6"+2"+¾"
Panel z3 6"+2"+¾"
Panel z4 6"+2"+¾"
Panel z5 6"+2"+¾"
Panel z6 6"+2"+¾"
Panel z7 6"+2"+¾"
Panel z8 6"+2"+¾"
Panel z9 6"+2"+¾"
Panel z10 6"+2"+¾"
Panel z11 6"+2"+¾"
Panel z12 6"+2"+¾"
Panel z13 6"+2"+¾"
Panel

SECOND FLOOR FRAMING PLAN.

Scale 1/8" = 1'-0"

Panel Schedule.

Panel	Construction	St Rods	Bt rods
a	12" Floortile + 2" Con	1-1/8"	1-1"
b	Do	1-1 1/8"	1-7/8"
c	6" Floortile + 2" Con	1-3/4"	1-5/8"
d	Do	1-3/4"	1-5/8"
e	Do	1-3/4"	1-5/8"
f*	Do	1-7/8"	1-7/8"
g	Do	1-3/4"	1-3/4"
h	Do	1-3/4"	1-5/8"
i	Do	1-5/8"	1-5/8"
j	Do	1-3/4"	1-5/8"
k	3 1/2" Conc	5/8"	6" c.b.
m	8" + 2"	1-3/4"	1-3/4"

* 10-3/8" stirrups 3" c. to c. in each end of each joist.

Beam Schedule.

Mark	Beams No	Beams Tee	Beams Size	St Rods No	St Rods Size	Bt Rods No	Bt Rods Size	Stirrups No	Stirrups Size	Stirrups Spacing each end.
A	2	36"	12" x 31"	4	1 1/8"	4	1 1/8"	22	3/8"	2@6", 4@8", 5@14"
A1	2	-	9" x 30"	1	1 1/8"	1	1 1/8"	-	-	- - - -
B	2	36"	12" x 28"	4	1 1/8"	4	1"	18	3/8"	2@6", 2@8", 9@12"
B1	2		9" x 30"	1	1 1/8"	1	1 1/8"	-	-	- - - -
C	2	22"	10" x 24"	2	7/8"	1	1"	6	3/8"	1@6, 1@9, 1@12"
D	4	22"	10" x 24"	2	7/8"	1	1"	6	3/8"	1@6", 1@8", 1@12"
E*	2	16"	10" x 14"	1	7/8"	1	3/4"	-	-	- - - -
F	1	22"	10" x 24"	2	1 1/8"	1	1 1/8"	12	3/8"	1@6", 2@9", 9@12"
G	2	22"	10" x 24"	2	7/8"	1	1"	8	3/8"	1@6", 1@9, 3@14"
H	1	22"	10" x 24"	2	1 1/8"	1	1"	8	3/8	1@6", 1@9, 2@14"
I*	2	16"	10" x 14"	1	7/8"	1	7/8"	-	-	- - - -
J	2	26"	10" x 24"	2	1 1/8"	1	1 1/8"	14	3/8"	1@6", 5@12"
K	8	22"	10" x 29"	3	7/8"	3	7/8"	12	3/8"	1@6", 5@12"
L	2	22"	10" x 29"	3	7/8"	3	7/8"	12	3/8"	1@6", 5@12"
M	2	22"	10" x 29"	3	1"	3	7/8"	12	3/8"	1@6", 5@12"
N	8	-	14" x 60 1/2"	2	3/4"	1	3/4"	6	3/8"	3@24"
O	2	-	14" x 60 1/2"	2	3/4"	1	7/8"	6	3/8"	3@24"
P	7	-	10" x 14"	2	1 1/4"	1	1 1/4"	-	-	
Q	2	-	14" x 60 1/2	2	3/4"	1	3/4"	6	3/8"	3@24"
R*	2	36"	14" x 17"	2	1 1/8"	2	1 1/8"	12	3/8"	1@6", 1@9", 4@12"
S	6	62"	14" x 48"	4 1/2	1 11/16"	6	1 1/8"	20	3/8"	2@6", 3@8", 4@10", 2@12", 4@24"
S1	1	-	12" x 53"	2	1 1/8"	2	1 1/8"	-	-	
T	2	-	14" x 60 1/2"	2	3/4"	1	3/4"	6	3/8"	3@24"
U	12	-	9" x 48"	3	7/8"	3	7/8"	14	3/8"	1@6", 1@10", 5@24"
V	2	-	9" x 19"	2	5/8"	-	-	6	3/8"	1@6", 2@24"
W	2	-	9" x 27"	2	7/8"	2	7/8"	10	3/8"	1@5", 4@24"
X	1	-	9" x 10"	1	5/8"	1	5/8"	-	-	- - - -
Y	4	-	9" x 18"	1	3/4"	1	3/4"	6	3/8"	1@5", 2@24"
Z	2	-	14" x 26"	2	1"	2	7/8"	4	3/8"	2@24"
Z1	1	-	14" x 38"	2	1 1/8"	2	1"	8	3/8"	4@24"
Z2	2	-	9" x 21"	2	5/8"	-	-	4	3/8"	2@12"
Z3	4	-	14" x 21"	1	3/4"	1	5/8"	4	3/8"	2@24"
Z5	2	-	12" x 18"	1	1"	1	1"	-	-	
X1	3	-	9" x 21"	2	5/8"					

* Tee on I side only. All stirrups 2 prong. 1-5/8" Comp. rod in U.

General Note.

See General Note, Details of typical floor and beam construction, on First Floor Framing Plan. Lintels Z, Z3, and Z5 are 14" wide and carry no angles. Concrete walls around light court reduce to 9" in thickness and brick facing begins 8'-11" above finish 2nd Floor for all except lintel Z2 which is 9" wide. Depths of lintels given in the Beam Schedule are those to be poured in one operation. The finished rough concrete depths are as follows: Beam U, see Typical Lintel; V, see Section; W, 60"; Y, see Section; Z, Z1, Z3, 54 5/8"; Z2, see Section. For location of bottoms see Schedule of Exterior Wall Openings. For location and size of Beam X1 and window openings see Architectural Details. For location of nailing strips for grounds see Architectural Details

Schedule of Exterior Wall Openings 1st Story.

Location under lintel	From Finished 1st Floor. To rough sill	To rough head	Size. Width	Depth
U	2'-0 7/8"	12'-4 7/8"	25'-4"	10'-3 1/8"
V	-(0'-0 3/16")	11'-4 3/16"	9'-8"	11'-5 1/16"
W	2'-0 3/16"	12'-4 5/8"	18'-8"	10'-3 5/8"
Y	-(1'-0 3/16")	+(5'-10")	9'-4"	12'-0 3/8"
Z	2'-11"	12'-3 5/8"	9'-5"	9'-4 3/8"
Z1	2'-11"	12'-3 5/8"	18'-8"	9'-4 3/8"
Z2	2'-11"	12'-3 5/8"	4'-9 1/2"	9'-4 3/8"
Z3	2'-11"	12'-3 5/8"	8'-2"	9'-4 3/8"
A1	2'-11"	12'-4 3/8"	9'-8"	9'-3 5/8"

WORK ORDER	NEW COUCH SCHOOL	JOB NO.
68		13

SECOND FLOOR FRAMING PLAN

DATE	SCHOOL DISTRICT NO. 1	SHEET NO.
9/11/14	MULTNOMAH COUNTY, OREGON. F. A. NARAMORE SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON.	19

SECTION C-C

ONE HALF ROOF FRAMING PLAN.

Scale 1/8" = 1'-0"

Roof symmetrical about North-South center line, except location of downspouts, and vent openings. See Roof Plan.

SECTION ON CENTER LINE.

Scale 1/8" = 1'-0"

SECTION A-A

Scale 1/8" = 1'-0"

BEAM SCHEDULE

Letter	BEAMS No.	Size	ST. BARS No.	Size	BT. BARS No	Size	STIRRUPS No	Size	Spacing 1 end
A	2	8"x23"	2	1"	2	1"	6	3/8"	1@6" 2@12"
B	2	8"x23"	2	1"	2	7/8"	–	–	–
C	18	8"x26"	2	1"	2	1"	–	–	–
D	4	10"x28"	2	1 1/8"	2	1"	–	–	–
E	38	8"x23"	1	1 1/8"	2	7/8"	–	–	–
F	50	8"x14"	1	3/4"	1	3/4"	–	–	–
G	2	10"x24"	2	3/4"	1	3/4"	–	–	–
H	2	12"x48"	2	1 1/4"	2	1 1/8"	–	–	–
I	7	8"x23"	2	1"	2	7/8"	–	–	–
J	11	8"x22"	2	1"	2	1"	–	–	–
K	7	8"x12"	1	3/4"	1	3/4"	–	–	–
L	2	8"x16"	1	1"	1	3/4"	–	–	–
M	8	8"x25"	1	1"	1	7/8"	–	–	–
N	2	10"x30"	1	1"	1	1"	–	–	–
O	2	12"x28"	3	1 1/4"	3	1 1/8"	14	3/8"	1@6" 6@12"
P	2	10"x28"	1	3/4"	1	5/8"	–	–	–
Q	2	12"x33"	2	1"	2	7/8"	–	–	–
R	10	12"x31"	2	1"	2	7/8"	–	–	–
S	2	10"x20"	2	1 1/4"	1	1 1/8" 7/8"	16	3/8"	1@6" 7@8 1/2"
T	4	9"x60"	2	1 1/8"	2	1"	12	3/8"	2@12" 4@24"
U	6	9"x60"	2	1"	2	1"	12	3/8"	2@12" 4@24"
V	1	9"x64"	1	1 1/8"	1	1"	10	1/4"	1@9" 4@24"
W1	6	9"x60"	2	5/8"	–	–	5	1/4"	1@6" 2@25"
X	4	9"x55"	2	5/8"	–	–	5	1/4"	1@16" 1/2@22"
Y	2	9"x55"	2	5/8"	–	–	4	1/4"	1@12" 1@20"
Z	2	9"x55"	2	5/8"	–	–	5	1/4"	1@6" 2@25"
A1	2	9"x32"	1	1/2"	1	1"	–	–	–
B1	2	9"x62 1/2"		3/4"	1	3/4"	–	–	–
X1	2	9"x60"	2	5/8"					

Beams T to Z inclusive are lintels, A1 and B1 spandrels. See General Note. W1 same as W, also W2.

SLAB SCHEDULE

SLAB Letter	Thickness	BARS No.	Spacing
a	4"	1/2"	8"
b	3 1/2"	1/2"	9"
c	3"	3/8"	9 1/2"
c'	3"	3/8"	9 1/2"
d	3"	3/8"	10"
e	3"	3/8"	8 1/2"
f	3"	3/8"	11"
g	3"	3/8"	10"
g'	3"	3/8"	9"
h	3"	3/8"	9 1/2"
i	3"	3/8"	9"
j	3"	3/8"	10"
k	3"	3/8"	11"

Beams O and S.

Beam Steel not shown.
For O: b=12" d=28" for S: b=10" d=20"

BEAM SECTIONS

Scale 1/2" = 1'-0"

Detail of L Connection.

Provide 1s for all lintels and for Beam B1.

Front Elevation - Typical Lintel.

Scale 1/8" = 1'-0"

SECTION B-B

Scale 1/8" = 1'-0"

LINTELS

1/2" = 1'-0"

Detail of End Connection Typical Non Continuous Beam.

When cross-sectional area of steel at top of beam over support is 1/2 or more than that in bottom at center of span L = 40 diameters of respective bars otherwise L = 57 diams

SECTION D-D.

Scale 1/2" = 1'-0"

SECTION E-E

Scale 1/2" = 1'-0"

Section F-F similar

Slab construction typical

SECTION THRU SCUTTLE HOLE

1/2" = 1'-0"

Section thru vent similar

GENERAL NOTE.

SLABS:- Concrete mix 1:2:4. Provide No. 10 wire hooks 2'-0" c. to c. to support suspended ceiling; provide thimbles in all slabs for pipes, etc. extend thru them; both of these to be in place before concrete is poured. Minimum thickness of concrete fireproofing in slabs 3/4". Wooden blocks must not be used on forms for gauges of slab thickness. All rods plain round or equivalent. 1/4" rods 24" c. to c. over entire roof at right angles to, and underneath of main reinforcement. Adjacent rods in all slabs to be bent up at 1/4 points of clear span on opposite ends. Bent up portion of those lying in adjoining slabs, spanning in the same direction, to extend 40 diameters into adjoining panels for continuity. Those lying in non-continuous spans to reach to within 2" of outer face of support. All splices to be made over supports where bars must lap 40 diameters. of the respective bars, and these, and all other spliced bars shall be wired twice, once near each free end.

BEAMS:- Concrete mix 1:2:4. Height of beam is minimum distance from top of rough concrete to under side, measured at any point in cross-section. When beams are cambered this shall not be done by decreasing the depth of beam as given in Schedule. All rods plain round or equivalent. Minimum distance center of any rod to a face of beam 2". All bent up rods in end spans to reach to within 3" of outer face of support and there to bent 180° around a radius of 2 1/2 diams of respective rods as shown in details. All straight rods to reach to within 3" of outer faces of supports. In interior continuous spans when cross-sectional area of bent bars is 50% or more of the total area of steel in beam, bars shall project 40 diameters beyond the inside faces of supports into adjoining beams otherwise they shall project 57 diameters. No conduits or outlet boxes in any beam. Pour each beam in one operation.

LINTELS:- Concrete mix 1:2:4. In the Beam Schedule the depths are the maximum to be poured in one operation. They are, approximately, the depths from top of roof slab to underside of beam.

EXTERIOR WALLS:- Concrete mix 1:3:5. See General Note 1st Floor Framing Plan. Walls under and above beams A1 and B1 to be of interlocking tile. Provide in place 2-5/8" rods in concrete walls of same elevation as rods in Roof Lintels. Provide 2"x3" nailing pieces in parapet wall, 2'-6" c. to c., to attach roof flashing. For location of nailing strips for grounds for chalk rail, etc., see Architectural details

Schedule of Exterior Wall Openings 2nd Story.

Location	Dist from finish 2nd Fl.		Size	
Under lintel	to rough sill	to rough head	Width	Depth
T	+(2'-4 3/4")	+(12'-3 1/8")	23'-4"	9'-10 7/8"
U	+(2'-4 3/4")	+(12'-3 1/8")	23'-4"	9'-10 7/8"
V	+(2'-10 1/2")	+(12'-3 1/8")	18'-8"	9'-4 5/8"
W	+(5'-0 5/8")	+(12'-3 1/8")	9'-5"	7'-2 3/4"
W1	+(2'-4 3/4")	+(12'-3 1/8")	9'-8"	9'-10 7/8"
X	+(2'-10 1/2")	+(12'-3 1/8")	8'-2"	9'-4 5/8"
X1	+(3'-0")	+(12'-3 1/8")	4'-2"	9'-3 1/8"
Y	(0'-0")	+(12'-3 1/8")	5'-9"	12'-3 1/8"
Z	+(5'-0 5/8")	+(12'-3 1/8")	9'-5"	7'-2 3/4"
W2	+(2'-10 1/2")	+(12'-3 1/8")	9'-5"	9'-4 5/8"

WORK ORDER		JOB NO.
68	NEW COUCH SCHOOL	13

ROOF FRAMING PLAN

DATE		SHEET NO.
9/1/14	SCHOOL DISTRICT NO. 1 MULTNOMAH COUNTY, OREGON. F. A. NARAMORE SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON.	20

DETAILS OF DEFLECTORS
FOR CLASS ROOMS ONLY
Scale 1" = 1 Foot

GENERAL CONTRACTOR.
SEE NOTE ON SHEET No 22.

WORK ORDER	NEW COUCH SCHOOL	JOB NO.
68		10

HEATING & VENTILATING
PIPING & DUCT LAYOUT

DATE	SCHOOL DISTRICT NO. 1	SHEET NO.
SEPT 11 1914	MULTNOMAH COUNTY, OREGON F. A. NAKAMURE SUPERINTENDENT OF PROPERTIES PORTLAND, OREGON	21

SECTION ON C-C.
SECTION THRU FAN ROOM ON ℄
SECTION THRU BOILER ROOM ON ℄
DETAIL OF EXHAUST DUCTS SECTION A-A.
DISCHARGE FROM EXHAUST FAN
DIAGRAM OF FILTER, POOL HEATER, MANIFOLD, CONNECTIONS AND CONTROL.
DIAGRAM OF THERMOSTATIC COIL CONTROL.
SECTION OF FUEL OIL TANK
DETAILS OF STACK
ONE REQUIRED
HALF SECTION ON B-B.
SEE SHEET No 21
HALF SECTION ON D-D
PLENUM No 2
PLENUM No 1
REHEATING COILS No 2
REHEATING COILS No 1
SUPPLY FAN No 2
SUPPLY FAN No 1
AIR WASHER
TEMPERING COILS
FRESH AIR INTAKE
BOILER No 1
BOILER No 2
SMOKE BREECHING No 12 STACK
EXHAUST FAN
FILTER
PUMP
SWITCHBOARD
FUEL OIL TANK
Note
Oil tank to be of ¼ steel plate with reinforced heads. All seams single rivited, all flanges of steel with creased threads. All seams to be caulked inside and out. Tank must be tested in the presence of the Architect. After inspection and test paint two coats of Asphalt outside only.
Note
Contractor to verify all measurements on the building before any work is done.
Stack to be built in sections convenient to handle, delivered to building, erected and rivited and left ready for use. This contractor to furnish all anchors and supports. Anchors to be placed before concrete is poured. After inspection of shop paint one coat red lead and oil, after erection paint one coat metallic paint as directed.
Note
Boiler foundations, concrete deck, beams and posts for plenums, concrete piers for tempering and reheating coils, exterior walls of fan and plenum room by the General Contractor. The inside tile partitions of plenums and all T.C. vent ducts by Heating Contractor will furnish detail drawings of concrete work in fan room, boiler foundations and concrete exhaust ducts. General Contractor will furnish concrete exhaust ducts and will leave all the necessary openings as directed and as shown for branches, grilles, ducts doors etc.
GENERAL CONTRACTOR SEE ABOVE NOTE. SEE FOOTING PLAN FOR CONCRETE DUCTS.
Scale ¼" = 1 Foot
WORK ORDER 68
NEW COUCH SCHOOL
JOB NO. 18
BOILER & FAN ROOM DETAILS
STACK & OIL TANK
DATE SEPT. 11 1914
SCHOOL DISTRICT NO. 1
MULTNOMAH COUNTY, OREGON.
F. A. MARAMORE
SUPERINTENDENT OF PROPERTIES
PORTLAND, OREGON.
SHEET NO. 22

FITTING R'M. CASE
1/4" = 1'-0"
ELEVATION
SECTION
PLAN
DISPLAY CASE IN SEWING R'M.
1/4" = 1'-0"
SLIDING DOORS GLAZED WITH 1/4" S. ADJ. SHELVES ON H.P. BRACKETS
DRAWERS ON ROLLERS
CASE OF DRAWERS IN SEWING R'M.
1/2" = 1'-0"
SOLID HORIZONTAL PARTITIONS BETWEEN DRAWERS
FIXTURES IN KITCHENETTE
1/4" = 1'-0"
LOOKING WEST
LOOKING NORTH
COOKING R'M. PANTRY 1/4" = 1'-0"
OPEN SHELVES
LOOKING WEST
LOOKING NORTH
NORTH WALL OF COOKING R'M. 1/4" = 1'-0"
WALL IRON HOOD & VENT
DOOR
ELEVATION
SPICE CASE — CUPBOARD SECTIONS
DEMONSTRATION SEATS
COOKING R'M. AND WOOD WORKING R'M.
ELEVATION
END ELEVATION
SECTION AT CENTER
SECTION AT END
SOUTH WALL OF COOKING R'M.
ELEVATION
SECTION
DETAILS OF STUDENTS COUNTERS
1/2" = 1'-0"
ENDS
ELEVATION "A-A"
ELEVATION "B-B"
ELEVATION "C-C"
PLAN OF FIVE PUPIL UNIT
DEMONSTRATION TABLE
COOKING ROOM
1/2" = 1'-0"
KITCHEN COUNTER
COOKING R'M. 1/2" = 1'-0"
SIDES
ENDS
SECTION
SECTION OF END
DINING TABLE
COOKING ROOM
1/2" = 1'-0"
ELEVATION
PLAN
PORTABLE BLACKBOARD
COOKING ROOM 1/2" = 1'-0"
HYLOPLATE BOARD BOTH SIDES
IRON PIVOTS AND PLATES
CHALK TRAY
LOOSE IRON PIN ON CHAIN
HEAVY CASTORS
VENEERED PANEL 1/2" THICK
BLACKBOARD FRAME
SIDE
END
CUTTING AND WORK TABLES
TEACHER'S TABLE
SEWING ROOM 1/2" = 1'-0"
COOKING ROOM
SEWING ROOM
KITCHENETTE
WORK ORDER 68
NEW COUCH SCHOOL
JOB NO. 3
FIXTURES
DATE 9/22/14
SCHOOL DISTRICT NO. 1
MULTNOMAH COUNTY, OREGON
F. A. NARAMORE
SUPERINTENDENT OF PROPERTIES
PORTLAND, OREGON.
SHEET NO. 23

REGISTERED PROFESSIONAL ENGINEER 7136 OREGON JUN 16, 197- ROBERT K. INOUYE

MFIA INC.

CONSULTING ENGINEERS

2007 S.E. ASH STREET PORTLAND, OREGON 97214

FLOOR PLAN

METROPOLITAN LEARNING CENTER

BOILER REPLACEMENT

SCHOOL DISTRICT NO. 1 PORTLAND, OREGON

REVISED

DRAWN JK

DATE 4-11-85

SHEET M-1 OF

PROJECT NO.

JOB NO. 85-154-72

W.O.# 115776

KILHAM STATIONERY & PRINTING CO.

SWIMMING POOL & LOCKER ROOM NEW H. & V. PLAN

SCALE 1/8" = 1'-0"

NORTH

1 / M-2 LIGHT WELL ROOF EQ. H & V. PLAN

SCALE 1/8" = 1'-0"

2 / M-2 SECTION

SCALE 1/8" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER 7136 OREGON JULY 16, 1971 ROBERT K. INOUYE

MFIA INC.

CONSULTING ENGINEERS

2007 S.E. ASH STREET PORTLAND, OREGON 97214

FLOOR PLAN

METROPOLITAN LEARNING CENTER

BOILER REPLACEMENT PORTLAND, OREGON

SCHOOL DISTRICT NO. 1

REVISED	
DRAWN	
DATE	4-1-85

SHEET M-2 OF

PROJECT NO.

JOB NO.

FILE NO. 85-154-72

KILHAM STATIONERY & PRINTING CO.

1 M-3 BOILER FEED PIPING DIAGRAM

DIAGRAMMATIC

4 M-3 CONDENSATE RETURN PUMP DETAIL

DIAGRAMMATIC

7 M-3 OIL PREHEAT PIPING

DIAGRAMMATIC

8 M-3 EXIST. POOL HEATER PIPING DIAGRAM

DIAGRAMMATIC

2 M-3 LOW PRESSURE DRIP

DIAGRAMMATIC

5 M-3 TYPICAL BOILER CONN.

DIAGRAMMATIC

9 M-3 EXIST. STORAGE TANK & HEATER PIPING DIAGRAM

DIAGRAMMATIC

10 M-3 NEW STORAGE TANK & EXIST. HEATER PIPING DIAGRAM

DIAGRAMMATIC

3 M-3 BOILER PIPING DIAGRAM

DIAGRAMMATIC ONLY

6 M-3 STEAM HEATING COIL PIPING DIAGRAM

DIAGRAMMATIC

12 M-3 BREECHING & PIPE SUPPORTS

NO SCALE

11 M-3 EXIST. CW HEADER

DIAGRAMMATIC

11 M-3 NEW POOL PUMP PIPING

DIAGRAMMATIC

13 M-3 PARTIAL FLOOR PLANS

NO SCALE

REGISTERED PROFESSIONAL ENGINEER 7136 OREGON JULY 16, 1977 ROBERT K. INOUYE

MFIA INC.

CONSULTING ENGINEERS

2007 S.E. ASH STREET PORTLAND, OREGON 97214

MECHANICAL DETAILS

METROPOLITAN LEARNING CENTER

BOILER REPLACEMENT

SCHOOL DISTRICT NO. 1 PORTLAND, OREGON

REVISED

DRAWN JH

DATE 4-11-85

SHEET M-3 OF

PROJECT NO.

JOB NO.

FILE NO. 85-154-72

KILHAM STATIONERY & PRINTING CO.