NEW ELEMENTARY SCHOOL

ROSE CITY, MICHIGAN

INDEX OF DRAWINGS

ARCHITECTURAL
1 Plot Plan & Details
2 Foundation Plan, Door Plan & Details
3 Floor Plan
4 Ext Elevations & Details
5 Ext Details & Door Schedule

STRUCTURAL
S-1 Structural Framing Plans & Details

MECHANICAL
M1 Foundation Plan, Details, & Schedules - Plumbing
M2 Floor Plan, Details, & Schedules - Plumbing
M3 Floor Plan, Details & Schedules - Heating & Ventilating

ELECTRICAL
EM Electrical Floor Plan
EA2 Riser Diagrams
EA3 Schedules & Details

SYMBOLS

- Existing Contours To Remain
- Existing Contours To Be Removed
- New Contours To Be Established
- Overhead Utilities With Pole
- Underground Utilities
- New Elevations To Be Established
- Existing Elevations To Remain
- Trees To Remain
- Trees To Be Removed
- (16) Room No. 16
- (4/5) Detail No. 4 on Sheet No. 5
- (4/5) Elevation No. 6 on Sheet No. 3
- (2) Special Equipment
- 134 Room No. 134
- (A/3) Section A on Sheet No. 3
- (2) Grid Number

STANDARD ABBREVIATIONS

Ac.T.	Acoustical Tile	LHR	Left Hand Reverse Bevel
Alum.	Aluminum	L.W.B.	Light Weight Block
Bldg.	Building	Mfg.	Manufactured
B.M.	Bench Mark	M.H.	Mounting Height
Boor. Lt.	Borrowed Light	Mtl.	Metal
C.B.	Concrete Blocks	Mull.	Mullion
C.B.	Common Brick	N.I.C.	Not In Contract
Cem. Asb. Bd.	Cement Asbestos Board	Opng.	Opening
Ch. B.	Chalk Board	P.	Paint
C.I.	Cast Iron	Plas.	Plaster
C.J.	Control Joint	Plwd	Plywood
Clg.	Ceiling	Porc. Enml.	Porcelain Enamel
C.T.	Ceramic Tile	Q.T.	Quarry Tile
Conc.	Concrete	R.A.	Return Air
Conn.	Connection	R.D.	Roof Drain
Cont.	Continuous	RH	Right Hand
Det.	Detail	RHR	Right Hand Reverse Bevel
D.F.	Drinking Fountain	Rm.	Room
Dn.	Down	R.T.	Rubber Tile
Vc. Dim.	Door Dimensions	Sht.	Sheet
D.S.	Down Spout	S.S.	Service Sink
D.S.A.	Double Strength "A" Quality	Stl.	Steel
E.T.F.	Elevation Top of Footing	T.B.	Tack Board
E.P.	Electric Panel	T.B.R.	To Be Removed
Exh.	Exhauster	V.A.T.	Vinyl Asbestos Tile
Exp.	Expansion	Vit. Tile	Vitrified Tile
E.W.C.	Electric Water Cooler	W/	With
F.A.I.	Fresh Air Intake	Wd.	Wood
F.Bk.	Face Brick	W.Gl.	Wire Glass
F.D.	Floor Drain	W.W.F.	Welded Wire Fabric
F.E.C.	Fire Extinguisher Cabinet		
Flr.	Floor		
Ftg.	Footing		
Ga.	Gauge		
Galv.	Galvanized		
Gl.	Glass		
H.&V.	Heating & Ventilating		
Hdr.	Hardener		
H.M.	Hollow Metal		
H.S.A.	Heavy Sheet "A" Quality		
Inv.	Invert		
L.L.	Live Load		
LH	Left Hand		

MATERIAL INDICATIONS

- Common Brick
- Face Brick
- Light Weight Block
- Concrete Block
- Concrete
- Gravel
- Earth
- Rigid Insulation
- Finished Wood
- Rough Wood
- Limestone
- Slate

LOG OF SOIL BORINGS

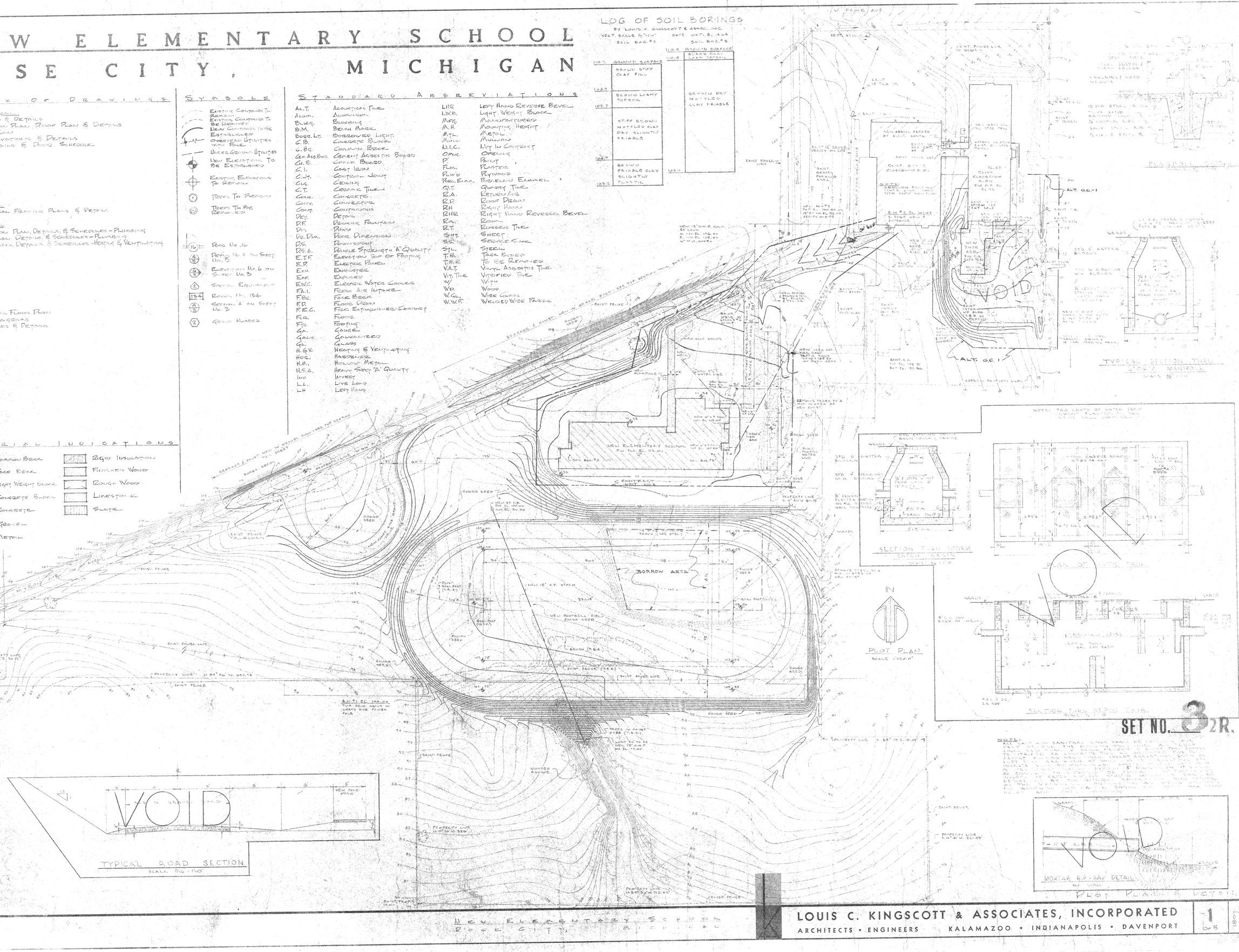
BY LOUIS C. KINGSCOTT & ASSOC., INC.
VERT. SCALE 1/2"=1'0" DATE OCT. 8, 1964

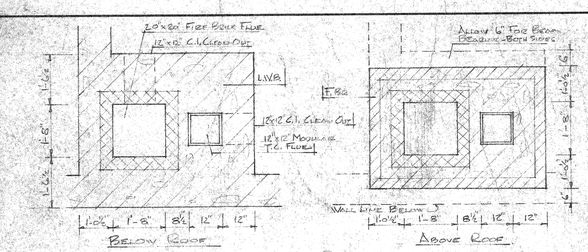
Soil Bor. #2

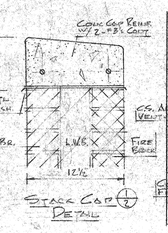
110.5	GROUND SURFACE
	BROWN STIFF CLAY FILL
108.7	
	BROWN LOAMY TOPSOIL
107.7	
	STIFF BROWN MOTTLED CLAY DRY SLIGHTLY FRIABLE
104.7	
	BROWN FRIABLE CLAY SLIGHTLY PLASTIC
103.2	

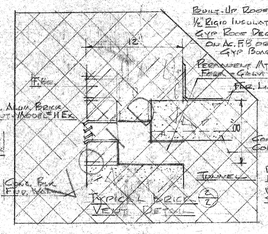
Soil Bor. #3

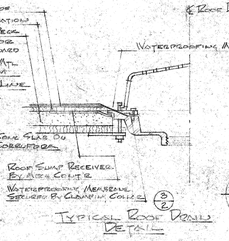
110.9	GROUND SURFACE
110.4	BLACK CLAY LOAM TOPSOIL
	BROWN DRY MOTTLED CLAY FRIABLE
108.0	

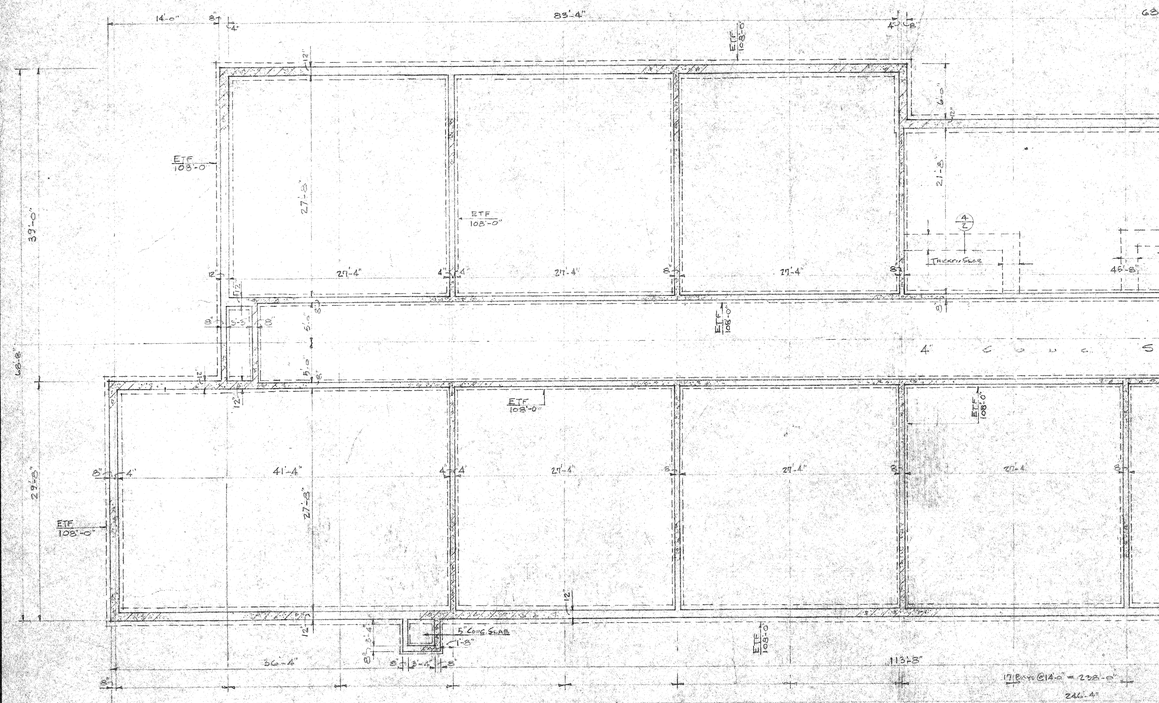

W. PARK AVE.
EXIST. POWER LINE TO REMAIN
EXIST. 18" TILE ST.
EXIST. POWER LINE
NEW ASPHALT DRIVE & PARKING AREA
NEW CONC. WALK
NEW 6000 SQ. YD. STOR. PAVING
NEW AERIAL FERDIE BY ELEC. CONTR.
EXIST. GAS LINE
EXIST. GRAVEL PARKING AREA
EXIST. 12.43 CLASSROOM BLDG. FIN. FLR. EL. 99.45
ALT. GC-1
NEW 15" C.M.P. STORM SEWER
EXIST. 12" STORM SEWER
NEW 1050 GAL. SEPTIC TANK W/ BAFFLE TEES
NEW 1000 GAL. SEPTIC TANK W/ BAFFLE TEES
NEW 6" W.T. SERV. LINE
NEW WELL
NEW FLAGPOLE
NEW ELEMENTARY SCHOOL FIN. FLR. EL. 116.00
SOIL BOR. #2
SOIL BOR. #3
CONTRACT LIMIT LINE
NEW 4" W.T. LINE
NEW WATER WELL EL. 107.00
NEW SEPTIC TANK
NEW LEACH FIELD
EXIST. ROSE CONSTRUCTION
PROPERTY LINE S 89° 48' W. 251.45'
ROUGH SEED
BRUSH SEED
BORROW AREA
NEW 15" V.T. STORM
NEW FOOTBALL FIELD FINISH SEED
EXIST. GOAL POST (T.B.R.)
NEW GOAL POST (TYP.)
EXIST. FENCE (T.B.R.)
EXIST. POWER LINE
EXIST. FENCE
EXIST. 12" C.M.P.
PROPERTY LINE N 89° 56' W. 655.74'
TOWNLINE ROAD (GRAVEL)
BM #1 EL. 100.00 TOP BOLT HOLD NO. NORTH SIDE POWER POLE
TREES IN GRASS AREA (T.B.R.)
PLANT TO BE NEW 15" C.M.P. INV. EL. 97.00
WOODED FENCE
PROPERTY LINE S 89° 56' W. 655.00'
EXIST. 12" C.M.P.
EXIST. 15" C.M.P.
NEW 18" C.M.P. GALV. SD LINE
W. IN EL. 106.00
E. IN EL. 105.00
6" W.U. COVER
EXIST. 12" STORM SEWER
EXIST. 10" SANITARY SEWER
EXIST. 8" W.L.
EXIST. 6" W.L.
EXIST. 8" SANITARY SEWER
EXIST. 6" SANITARY SEWER
EXIST. 8" STORM SEWER
EXIST. 10" STORM SEWER
EXIST. 15" STORM SEWER
EXIST. 18" STORM SEWER
EXIST. 24" STORM SEWER
EXIST. 30" STORM SEWER
EXIST. 36" STORM SEWER
EXIST. 42" STORM SEWER
EXIST. 48" STORM SEWER
EXIST. 54" STORM SEWER
EXIST. 60" STORM SEWER
EXIST. 66" STORM SEWER
EXIST. 72" STORM SEWER
EXIST.

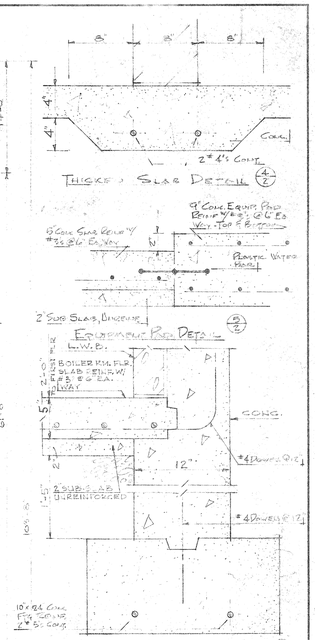


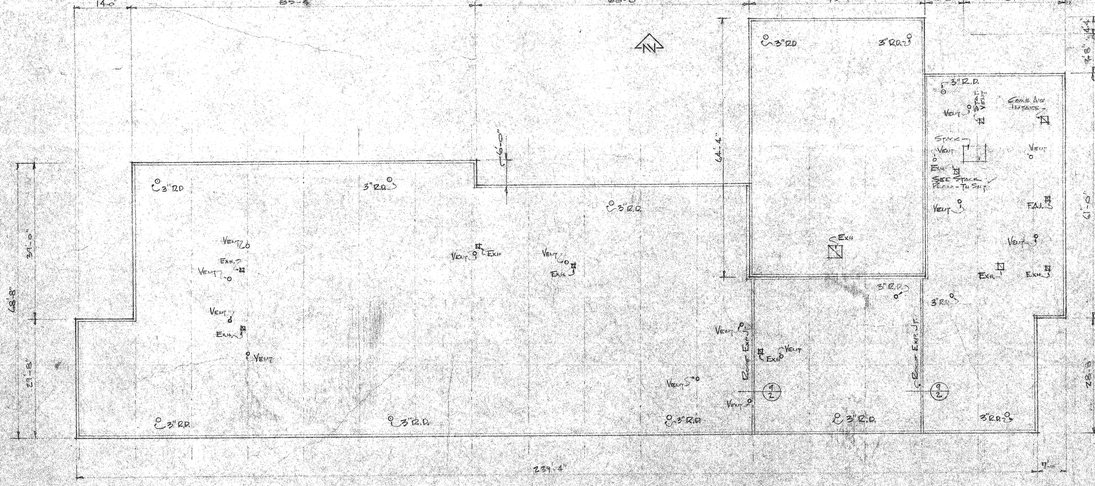


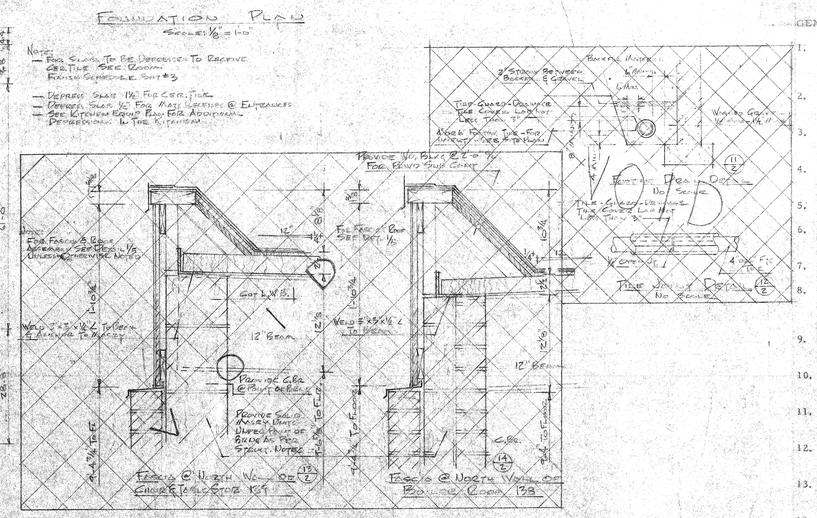


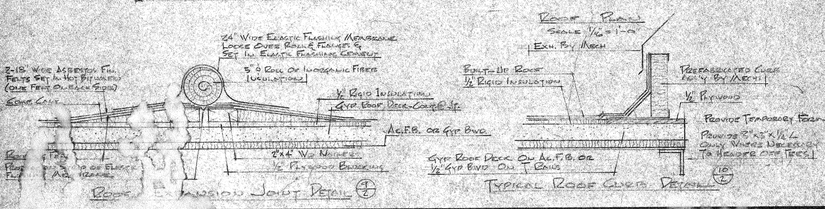












GENERAL NOTES:

1. Soil bearing capacity assumed as 3000 lbs. /sq. ft. The Contractor shall obtain approval of exposed soil from Architects-Engineers before pouring any footings.
2. All concrete to have 3000 psi compressive strength in 28 days, unless otherwise specified.
3. Concrete protection for reinforcement shall be as specified in section 808 of the A.C.I. 318-63 Building Code.
4. Construction joints in floors on grade shall be located as directed by Architects-Engineers and shall be under partitions whenever possible.
5. Expansion joints shall be located along abutting walls of rooms and corridors.
6. Footings are not to step down more than 2'-0" or more often than every 4'-0" unless otherwise noted.
7. Thicken slab under all 8" interior non-bearing walls.
8. All4" concrete slabs shall be reinforced w/6" x 6" x #10 x #10 WWF & All 5" concrete slabs shall be reinforced w/6" x 6" x #6 x #6 WWF, unless otherwise noted.
9. Welded wire reinforcing mesh of floor slabs designated above shall extend into tunnel spans at least 1/4 span length.
10. Add 2 #5 bars around all openings in concrete and extend bars 24 inches beyond corner of opening.
11. Equipment pads shall be 9" thick, 2" above floor with construction joint between pad and floor slab, reinforce with #3 @ 6" O. C. each way top and bottom.
12. Lintels over all openings whether detailed or not, shall be provided by the General Contractor. Minimum bearing 6" each end.
13. Unless otherwise shown on plans reinforce all concrete foundation walls with 2 No. 5's continuous top and bottom.
14. Foundation walls to be doweled to footings with dowels of same size and spacing as vertical steel. In foundation walls without vertical steel use #4 dowels at 12" O. C.
15. Concrete block foundation walls to be doweled to footing with #4 dowels at 16" O. C. and void in concrete block to be filled with grout.
16. All foundation wall footings to be 10" thick and project one half the wall thickness each side of wall reinforced with 2 #5 continuous, unless otherwise noted.

Scale Of All Details: 1/2" = 1'-0" Unless Noted Otherwise

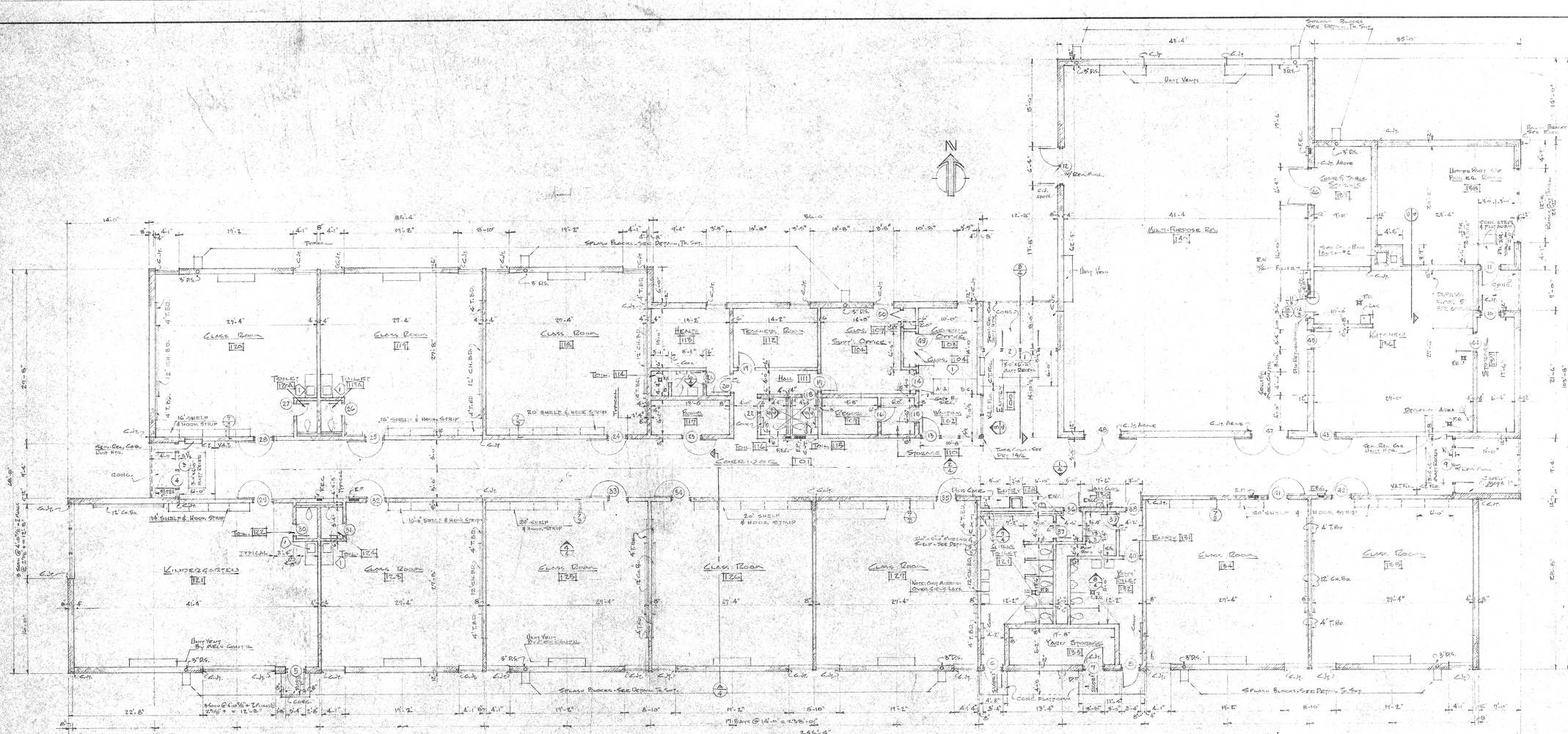
Foundation Plan, Roof Plan, & Details

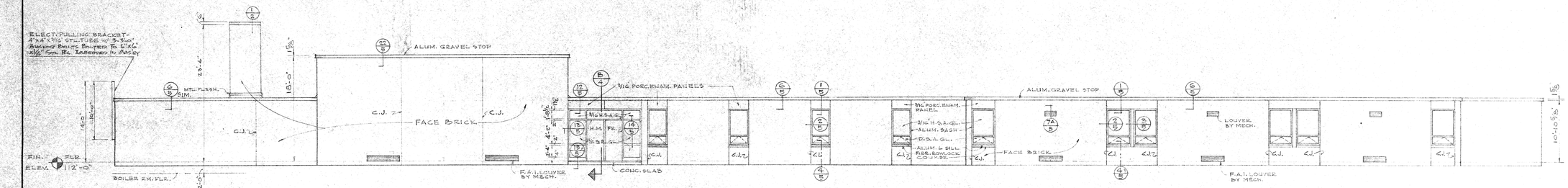
New Elementary School
Rose City, Michigan

LOUIS C. KINGSCOTT & ASSOCIATES, INCORPORATED
ARCHITECTS • ENGINEERS KALAMAZOO • INDIANAPOLIS • DAVENPORT

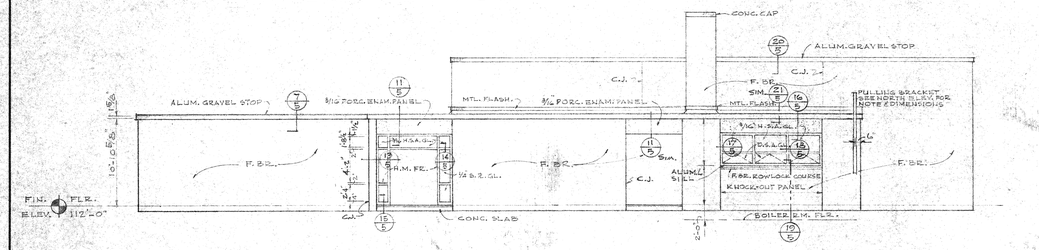
2 OF 5

Jan. 1965

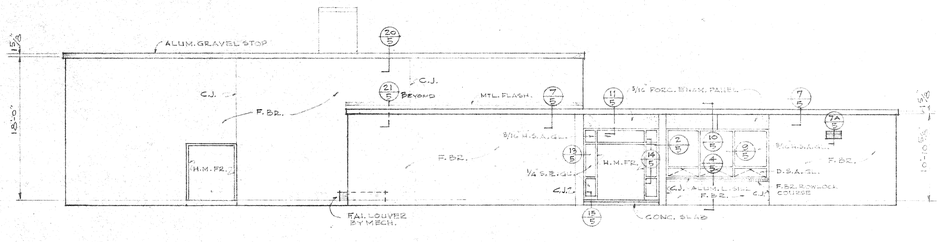

N
Class Room 120
Class Room 119
Class Room 118
Class Room 125
Class Room 126
Class Room 127
Kindergarten 121
Class Room 124
Class Room 123
Teachers Room 112
Hall 111
Health 113
Conference 101
Secretary's Office 102
Supt's Office 104
Vault 103
Storage 115
Toilet 114
Toilet 116
Toilet 117
Toilet 122
Toilet 124
Toilet 128
Toilet 129
Janitor's Closet 130
Entry 131
Boys' Toilet 132
Yard Storage 133
Kitchen 134
Storage 137
Boiler Room 138
Multi-Purpose Room 140
Toilet 135
Toilet 136
Entry 100
Splash Blocks-See Detail This Sht.
Unit Vents
Splash Blocks-See Detail This Sht.
Splash Blocks-See Detail This Sht.
Splash Blocks-See Detail This Sht.



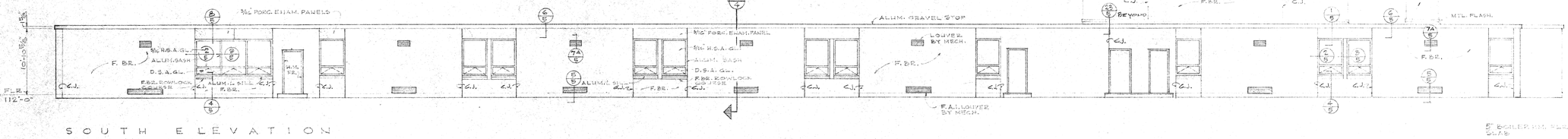
NORTH ELEVATION



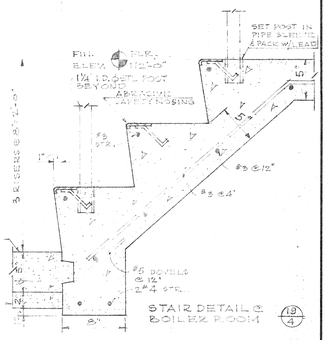
EAST ELEVATION



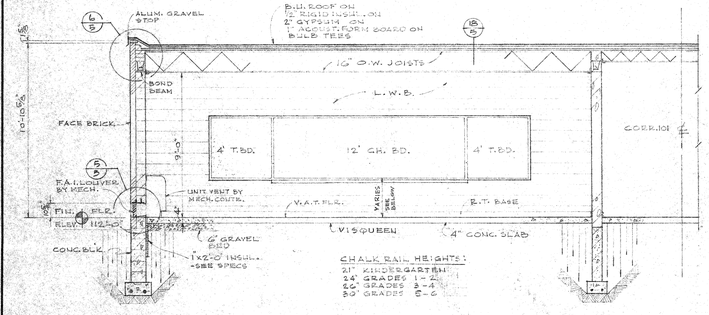
WEST ELEVATION



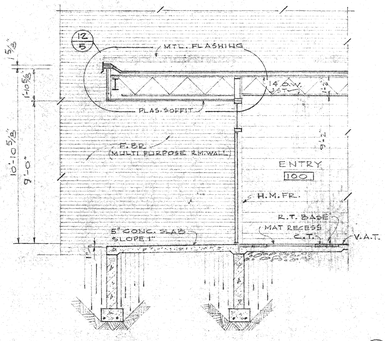
SOUTH ELEVATION



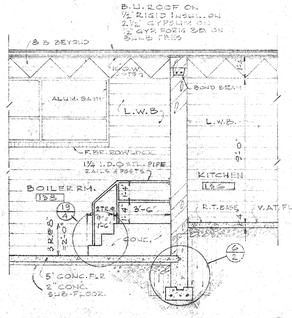
STAIR DETAIL @ BOILER ROOM (19/4)



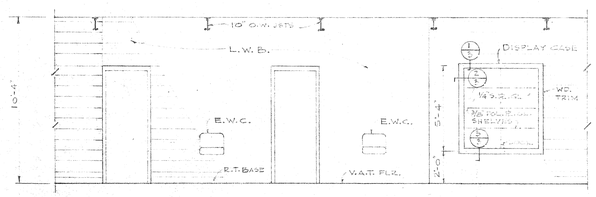
SECTION THRU TYPICAL CLASSROOM (A/4)



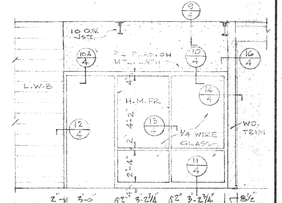
SECTION THRU NORTH ENTRANCE (B/4)



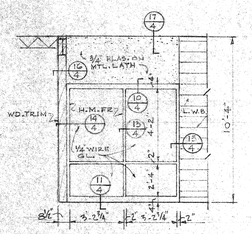
SECTION @ BOILER ROOM (C/4)



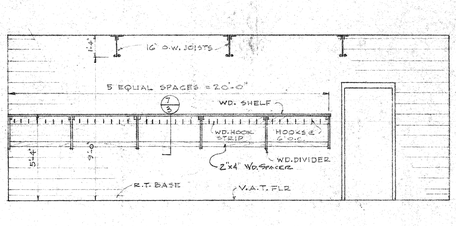
SOUTH ELEVATION OF CORRIDOR 101 & GANG TOILETS (1/4)



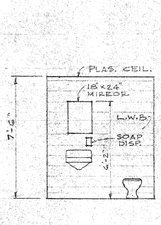
NORTH ELEVATION OF CORRIDOR 101 @ WAITING ROOM (2/4)



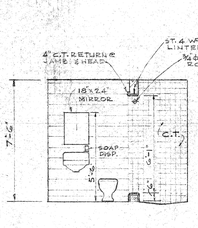
WEST ELEV. OF ENTRY 100 @ WAITING ROOM (3/4)



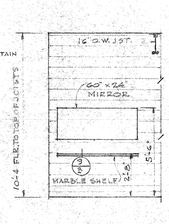
ELEV. OF CORRIDOR WALL - TYPICAL CLASSROOM (4/4)



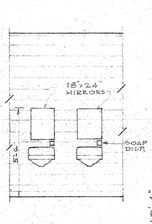
E. ELEV. OF TOILET #116 TOIL. 115 SIMILAR - OPP. HAND (5/4)



SOUTH ELEV. TOIL. #114 (6/4)

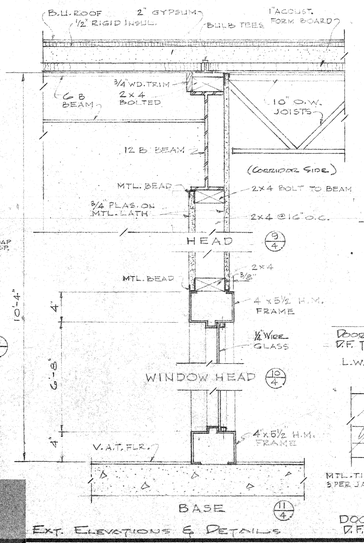


PART. NORTH ELEV. GIRLS TOILET #129 (7/4)

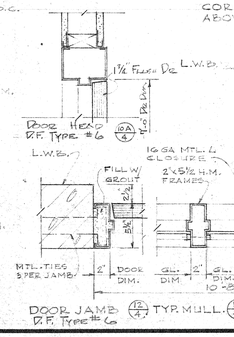


PART. NORTH ELEV. BOYS TOILET #132 (8/4)

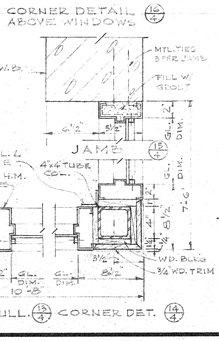
SCALE:
⅛" = 1'-0" ALL EXTERIOR ELEVATIONS
¼" = 1'-0" ALL INTERIOR ELEVATIONS & BUILDING SECTIONS
1½" = 1'-0" ALL DETAILS
UNLESS OTHERWISE NOTED



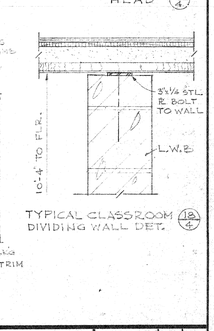
Ext. Elevations & Details



DOOR JAMB D.F. TYPE #6 (12/4) TYP. MULL. (13/4) CORNER DET. (14/4)



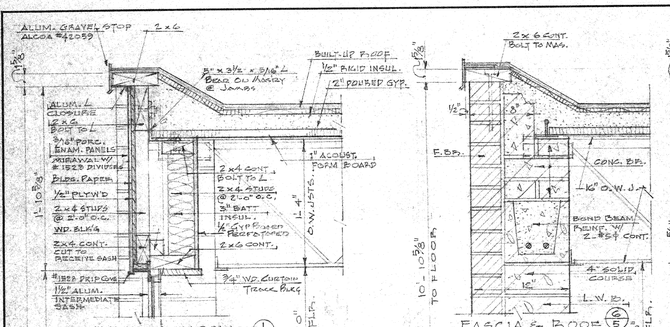
CORNER DETAIL ABOVE WINDOWS (15/4)



HEAD (17/4)

TYPICAL CLASSROOM DIVIDING WALL DET. (12/4)

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ARCHITECTS • ENGINEERS KALAMAZOO • INDIANAPOLIS • DAVENPORT


ALUM. GRAVEL STOP ALCOA #2059
2x6
5" x 3½" x 5/16" L BEAM ON MASONRY & JAMBS
BUILT-UP ROOF
½" RIGID INSUL.
2" POURED GYP.
ALUM. L CLOSURE
16 GA.
BOLT TO L
3/16" PORC. ENAM. PANELS
MIRAWALL W #1828 DIVIDER
BLDG. PAPER
½" PLYW'D
2x4 STUDS @ 2'-0" O.C.
3½" BATT INSUL.
½" GYP. BD. ON RESILIENT FURRING
2x6 CONT. CUT TO RECEIVE SASH
#1828 PRIP COVE
1/16" ALUM. INTERMEDIATE SASH
1" ACOUST. FORM BOARD
14" O.W. JOISTS
9¾" WD. CURTAIN TRUSS BLKG
HEAD & FASCIA (1/5)
F.BR.
L.W.B.
CAULK
S.D.
JAMB (2/5)
1x6 BOLTED TO MAS'RY
.063 ALUM. BRAKE BY CASH MFR.
JAMBS @ CLASS R.M. DIVIDING WALL (3/5)
FACE BRICK
ROW LOCK
8" x 2" x 1/8" ALUM. L SECURE TO F.BR.
CUT BLOCKS
B.T. BASE
½" EXP. STRIP
V.A.T. FLR.
4" CONC. SLAB ON 6" GRAVEL
4 MIL POLYETHYLENE
1" CONC. WASH
CONC. SLAB
1" x 24" PERIM. INSUL.
SILL & BASE (4/5)
2x6 CONT. BOLT TO MAS.
CONC. BD.
16" O.W. J.
BOND BEAM REINF. W/ 2-#5 CONT.
4" SOLID COURSES
L.W.B.
BASE & F.A. INTAKE (5/5)
2x6
5" x 3½" x 5/16" L WELD TO JOIST & BEAM ON MASON'RY & JAMBS
2x6 BOLTED TO L
2x4 STUDS @ 2'-0" O.C.
2x4 - CONT.
#1828 ALUM. DRIP COVE
ALUM. L CLOSURE
8" - 4"
12" I BEAM
⅜" GYP. BD.
2x4 BLKG @ JOISTS
2x6 CONT. BOLT TO MAS.
¾" WD. CURTAIN TRUSS BLKG
HEAD & FASCIA @ KINDERGARTEN (SOUTH WALL) (8/5)
5" x 3½" x 5/16" L WELD TO BB
2x6 BOLTED TO L
2" WD. BLKG.
8" BEAM
BATT INSUL.
2x4 BOLTED TO BB
2x4 @ 2'-0" O.C.
¾" WD CURTAIN TRUSS BLKG
HEAD & FASCIA @ KINDERGARTEN (WEST WALL) (10/5)
2x6 CONT.
5" x 3½" x 1/4" x 4" CLIP L'S WELD TO JOIST @ 3'-0" O.C.
2x6 BOLTED TO CLIP L'S
2x4 @ 2'-0" O.C.
½" PLYW'D
BLDG PAPER
3/16" PORC. ENAM. PANELS
MIRAWALL W #1828 DIVIDER BARS - SEE ELEV. FOR LOCATION
10" O.W. JOIST
4" x 3" x 1/8" CLIP L WELD TO JST. @ 3'-0" O.C.
2x4 - BOLT TO CLIP L
#1828 DRIP COVE
2" x 1/16" ALUM. COVER PL
¾" FLAS. ON MTL. LATH
2x4 @ 2'-0" O.C.
3" SOFFIT VENTS @ 4'-0" O.C.
½" GYP. BD.
2x6
3" BATT INSUL.
2" HOL. MTL. FRAME
GLASS SEE ELEV.
FASCIA & SOFFIT DETAILS AT EAST & WEST ENTRANCES (11/5)
ALUM. GRAVEL STOP ALCOA #2059
2x6 - CONT. BOLT TO CLIP L
BUILT-UP ROOF
½" RIGID INSUL.
POURED GYP.
5" x 3½" x 5/16" L CONT. WELD TO JOIST & ANCHOR TO MASS. & JAMBS
1" ACOUST. FORM BD. ON BULB TEES
ALUM. L CLOSURE
2x6 BOLTED TO L
2x4 @ 2'-0" O.C.
½" PLYW'D
BLDG PAPER
3/16" PORC. ENAM. PANELS
MIRAWALL W #1828 DIVIDER BARS - SEE ELEV. FOR LOCATION
2x4 BOLTED
½ GYP. FURR. CHANNEL
14" O.W. JOIST
8B 12
2x4 BOLT TO 2x6
2x4 @ 2'-0" O.C.
3" BATT INSUL.
½" GYP. BD.
2x6 - CONT.
CLIP L - 2" WELD TO BEAM @ 8'-0" O.C.
3/16" x 3½" x 16" PL WELD TO BEAM @ 8'-0" O.C.
3" SOFFIT VENTS @ 4'-0" O.C.
2" HOL. MTL. FRAME
GLASS SEE ELEV.
ALUM. J-MOLD (2) 5/16" H.M. FRAME
3¾" PLASTER ON MTL. LATH
FASCIA & SOFFIT DETAILS AT NORTH ENTRANCE (12/5)
ALUM. DRIP COVE
2x4
1x2
½" ALUM. FL
SCALE 3" = 1'-0"
2x6 CONT.
BOLT TO L
3/16" PORC. ENAM. PANELS
BLDG. PAPER
½" PLYW'D
2x4" - FLAT @ 2'-0" O.C.
2" BATT INSUL.
2x4" CONT.
ALUM. DRIP COVE
1½" ALUM. INTERMEDIATE SASH
5" x 3½" x 5/16" L WELD TO BB
½" RIGID INSUL.
2½" PRP GYP.
2x4 - BOLTED
¾" WD TRIM
1/2" GYP. BD.
⅝" WD. TRIM
HEAD & FASCIA (16/5)
F.BR.
L.W.B.
CAULK
JAMB (17/5)
ALUM. MULL.
ROWLOCK SILL
MULLION (BOILER RM. ONLY) (18/5)
½" x 3" x ⅛" ALUM. L
F.BR. ROWLOCK
L.W.B.
MAIN FLR. EL. 112'-0"
FLASHING
1" WASH.
CONC.
SILL & WALL (19/5)
BOILER ROOM WINDOW DEAILS
ROOF & FASCIA AT END WALLS TYPICAL CLASS R.M. (7/5)
1" ACOUST. FORM BD.
F.BR. FLASH
LINTEL - 3 L's 3½" x 3½" x ¼"
RELIEF DAMPER & LOUVER F. & I. BY MECH. CONTR.
VENT LOUVER DETAIL (7A/5)
FLASHING
LOUVER F.A.I. BY MECH. CONTR.
CUT BL'K.
MTL. SILL BY M. & M. CONTR.
CONC. WASH
BASE & F.A. INTAKE (5/5)
ALUM. DRIP COVE
2x6
1x2
ALUM. L CLOSURE
SCALE 3" = 1'-0"
TYPICAL MULL. @ KINDERGARTEN WINDOWS (9/5)
#1828 ALUM. DRIP COVE
ALUM. SASH
2½"
2½"
S.D.
4⅝"
2½"
2½"
TYPICAL CLASS ROOM WALL DETAILS
ALUM. GRAV. STOP ALCOA #2059
2x6 BOLTED TO MASONRY
B.U. ROOF ON 1½" RIGID INSUL. ON 2" POURED GYP. & 1" AC. FORM BOARD ON BULB TEES
ALUM. L CLOSURE
F.BR.
COMMON BRICK
BOND BEAM REINF. W/ 2-#5 CONT.
24" L.S. @ 16" CTS.
3/8" x 1½" BOLT TO MAS.
CONT.
EAVE DETAIL EAST & WEST WALLS (20/5)
EAVE DETAIL NORTH & SOUTH WALLS (21/5)
2-ply MTL. FLASHING
B.U. ROOF
½" RIGID INSUL.
2" FPR. GYP.
1" ACOUST. FRM. BD.
½" PERIM. INSUL.
½" FORM BD. @ EAST WALL
3" x 3" x ½" BOLT TO WALL
CONC. BD.
1" ACOUST. FORM BOARD ON BULB TEES
O.W. JOISTS
ROOF JCTN.-WEST WALL (EAST WALL SIMILAR) (22/5)
ROOF JCTN.-SOUTH WALL (23/5)
MULTI-PURPOSE ROOM WALL DETAILS
DOOR TYPES — NO SCALE
I
II
III
IV
FOR GLAZING SEE SCHEDULE
FLUSH
FOR GLAZING SEE SCHED.
NOTE:- ALL DETAILS AT SCALE 1½" = 1'-0" UNLESS OTHERWISE NOTED
SIDELIGHT DETAILS AT ENTRANCES
NOT USED
HEAD (JAMB SIMILAR)
DR. DIM.
GL. DIM.
1¾" x 4½" ALUM. FRAME
DOOR FRAME TYPE #1
GLASS
2" x 5½" HOL. MTL. FRAME
1¾" FLUSH DR.
DOOR FRAME TYPE #2
NOTE:- FLASH @ EXTERIOR LINTEL ONLY
FOR WALL THICKNESS SEE SCHEDULE.
LINTEL SEE SCHED.
4" x 5½" H.M. FRAME
1¾" FLUSH DOOR (SEE @ SIP. #23)
FOR REVEAL SEE SCHED.
HEAD
L.W.B.
2" x 5½" HOL. MTL. FRAME FILL W/ GROUT
1¾" FLUSH DOOR
JAMB
DOOR FRAME TYPE #4
FOR WALL MAT'L SEE ROOM FIN. SCHED.
FRAME ANCHORS @ 24" CTS. MAX.
2" x 6½" HOL. MTL. FRAME FILL W/ GROUT
CAULK
JAMB
DOOR FRAME TYPE #3
3/4" WD. TRIM
LINTEL SEE SCHEDULE
2x4 3/4" WD. TRIM
MTL. TRACK "KENNATRACK" #2600
1¾" FLUSH WD. DOOR
HEAD
6"
1x4 - BOLTED TO MAS. WALL W/ 3 BOLTS/JAMB
¾" WD. TRIM
1¾" FOLDING FLUSH DOOR
JAMB
DOOR FRAME TYPE #5
FOR D.F. TYPE #6, SEE SHT #4
DOOR SCHEDULE

DOOR					FRAME				HARDWARE		REMARKS
MARK	TYPE	SIZE	MAT.	GLAZ.	TYPE	WALL	LINTEL	REVEAL	ACT. H	SET	KEY	
1	I	3'-0" x 7'-0" x 1¾"	H.M.	¼" ⊕	2	—	—	—	L.H.R.	1	—	W/FIXED CENTER MULL.
2	I	3'-0" x 7'-0" x 1¾"	H.M.	¼" ⊕	2	—	—	—	R.H.R.	2	1	W/FIXED CENTER MULL.
3	I	3'-0" x 7'-0" x 1¾"	H.M.	¼" ⊕	2	—	—	—	L.H.R.	1	—	W/FIXED CENTER MULL.
4	I	3'-0" x 7'-0" x 1¾"	H.M.	¼" ⊕	2	—	—	—	R.H.R.	2	1	W/FIXED CENTER MULL.
5	III	2'-0" x 7'-0" x 1¾"	H.M.	—	3	12"	3½" - 3½" x 3½" x 5/16"	3" ON S.S.	R.H.	3	2	
6	III	3'-0" x 7'-0" x 1¾"	H.M.	—	3	12"	3½" - 3½" x 3½" x 5/16"	3" ON S.S.	R.H.R.	3	2	
7	III	3'-4" x 7'-0" x 1¾"	H.M.	—	3	12"	3½" - 5½" x 3½" x 5/16"	3" ON S.S.	R.H.	4	2	
8	III	3'-0" x 7'-0" x 1¾"	H.M.	—	3	12"	3½" - 3½" x 3½" x 5/16"	3" ON S.S.	L.H.R.	3	2	
9	I	PR. 3'-0" x 7'-0" x 1¾"	H.M.	¼" ⊕	2	—	—	—	R.H.R.	5	1	W/REMOVABLE MULL.
10	III	3'-0" x 7'-0" x 1¾"	H.M.	—	3	12"	3½" - 3½" x 3½" x 5/16"	3" ON S.S.	R.H.R.	3	4	
11	III	3'-0" x 7'-0" x 1¾"	H.M.	—	3	12"	3½" - 3½" x 3½" x 5/16"	3" ON S.S.	L.H.R.	3	2	CLASS "D" LABEL
12	IV	PR. 3'-0" x 7'-0" x 1¾"	H.M.	¼" W.G.	3	12"	3½" - 5" x 3½" x 5/16"	3" ON S.S.	R.H.R.	6	5	W/REMOVABLE MULL.
13	II	3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	6	—	—	2½" ON S.S.	L.H.	7	6	SEE DET. #10 & #14
14	III	3'-0" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	L.H.	8	6	
15	III	2'-8" x 7'-0" x 1¾"	WD.	—	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	L.H.	9	6	
16	III	2'-8" x 7'-0" x 1¾"	H.M.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	L.H.R.	10	KD	CLASS "B" LABEL
17	III	3'-0" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	R.H.	8	6	
18	III	2'-4" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	L.H.	11	—	UNDERCUT 1"
19	III	3'-0" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	L.H.	12	7	
20	III	3'-0" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	L.H.	8	7	UNDERCUT 1"
21	III	2'-4" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	R.H.	11	—	UNDERCUT 1"
22	III	2'-4" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	L.H.	11	—	UNDERCUT 1"
23	III	3'-6" x 7'-0" x 1¾"	H.M.	—	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	R.H.R.	13	KD	CLASS "B" LABEL
24	IV	3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	L.H.R.	14	KD	
25	IV	3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	L.H.R.	14	KD	
26	III	2'-4" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	L.H.	11	—	UNDERCUT 1"
27	III	2'-4" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	L.H.	11	—	UNDERCUT 1"
28	IV	3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	8"	2½" - 2½" x 3½" x ¼"	FLUSH ON S.S.	L.H.R.	14	KD	
29	IV	3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	R.H.R.	14	3	
30	III	2'-4" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	R.H.	11	—	UNDERCUT 1"
31	III	2'-4" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	L.H.	11	—	UNDERCUT 1"
32	IV	3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	R.H.R.	14	KD	
33	IV	3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	R.H.R.	14	KD	
34	IV	3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	R.H.R.	14	KD	
35	IV	3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	L.H.R.	14	KD	
36	III	2'-8" x 7'-0" x 1¾"	WD.	—	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	L.H.R.	15	—	UNDERCUT 1"
37	III	2'-8" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	R.H.	16	2	UNDERCUT 1"
38	III	2'-8" x 7'-0" x 1¾"	WD.	—	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	L.H.R.	15	—	UNDERCUT 1"
39	III	2'-8" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	R.H.	16	—	UNDERCUT 1"
40	III	2'-8" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	R.H.	16	—	UNDERCUT 1"
41	IV	3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	L.H.R.	14	KD	
42	IV	3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	L.H.R.	14	KD	
43	III	3'-0" x 7'-0" x 1¾"	H.M.	—	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	R.H.R.	14	4	CLASS "B" LABEL
44	III	3'-0" x 7'-0" x 1¾"	H.M.	—	3	8"	2½" - 3½" x 3½" x ¼"	FLUSH ON S.S.	L.H.	10	4	CLASS "B" LABEL
45	III	3'-0" x 7'-0" x 1¾"	H.M.	—	3	12"	3½" - 5½" x 3½" x 5/16"	FLUSH ON S.S.	L.H.	8	4	
46	III	PR. 3'-0" x 7'-0" x 1¾"	H.M.	—	3	12"	3½" - 5" x 3½" x 5/16"	FLUSH ON S.S.	R.H.R.	18	5	CLASS "B" LABEL, W/ASTRAGAL
47	IV	PR. 3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	12"	3½" - 5" x 3½" x 5/16"	FLUSH ON S.S.	R.H.R.	18	5	
48	IV	PR. 3'-0" x 7'-0" x 1¾"	WD.	¼" W.G.	3	12"	3½" - 5" x 3½" x 5/16"	FLUSH ON S.S.	R.H.R.	18	5	
49	III	PR. 2'-8" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	FLUSH BOTH SIDES	R.H.R.	20	—	DOOR @ CLOS. #104
50	III*	PR. 1'-5" x 7'-0" x 1¾"	WD.	—	3	6"	ST 4 WF 10	SEE DET. THIS SH.	—	21	—	* FOLDING DOOR @ CLOS. #107

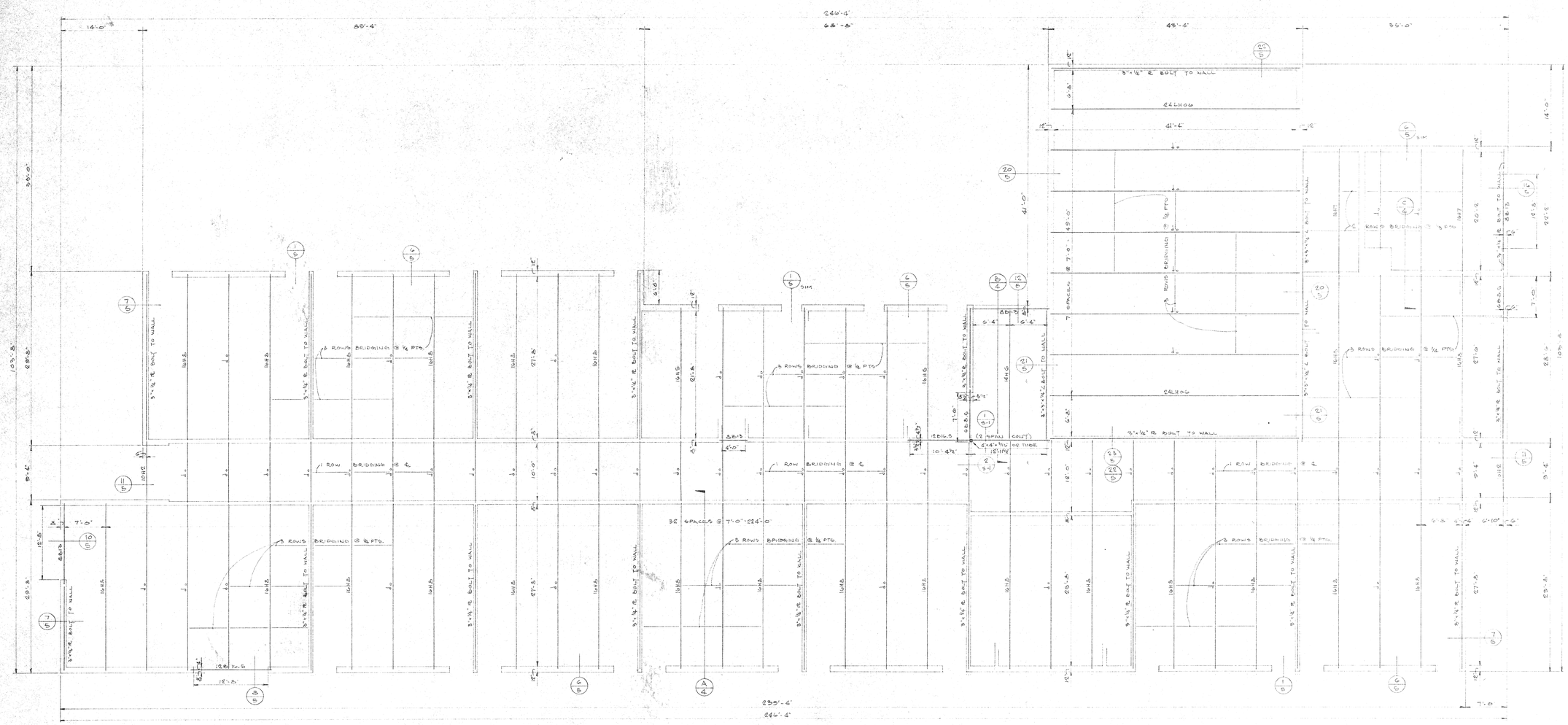
S.S. = SWING SIDE
O.S. = OTHER SIDE

NEW ELEMENTARY SCHOOL
ROSE CITY, MICHIGAN

EXT. DETAILS & DOOR SCHEDULE

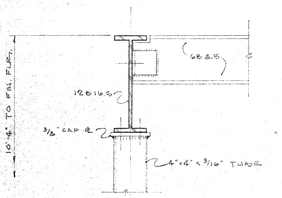
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5 OF 5 | 1807 | JUNE 1965

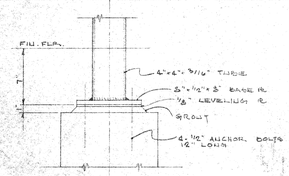


ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"



COLUMN CAP DETAIL (1/S-1)



COLUMN BASE DETAIL (2/S-1)

STRUCTURAL NOTES

1. SCALE OF ALL DETAILS IS 1/8"=1'-0" UNLESS OTHERWISE NOTED.
2. COLUMN CAP AND BASE PLATE TO BE SHOP WELDED TO COLUMN.
3. ALL COVER PLATES OR BEAMS SHALL EXTEND THE FULL LENGTH OF THE BEAM UNLESS OTHERWISE NOTED. SHOP WELD COVER PLATES TO BEAM.
4. BEAM BEARING PLATES SHALL BE WELDED TO BEAM UNLESS OTHERWISE NOTED.
5. ALL BEAMS BEARING ON MASONRY SHALL HAVE A MINIMUM BEARING OF 8" AT EACH BEARING AND ANCHORED WITH A MINIMUM OF 2 BOLTS.
6. UNDER BEAMS BEARING ON MASONRY WALLS PROVIDE BRICK OR SOLID BLOCKS FOR TUBULAR BLOCK COURSES DOWN AND OUT AT AN ANGLE OF 45 DEGREES.
7. ALL STEEL CONNECTIONS TO BE SIMILAR TO A.I.S.C. TABLE I CONNECTIONS, NO FASTENERS, UNLESS OTHERWISE NOTED.
8. LINTELS OVER ALL OPENINGS WEATHER, DETAILED OR NOT SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. MINIMUM BEARINGS 8" EACH END.
9. FOR EXACT SIZE AND LOCATION OF ROOF OPENINGS, SEE MECHANICAL CONTRACTOR.

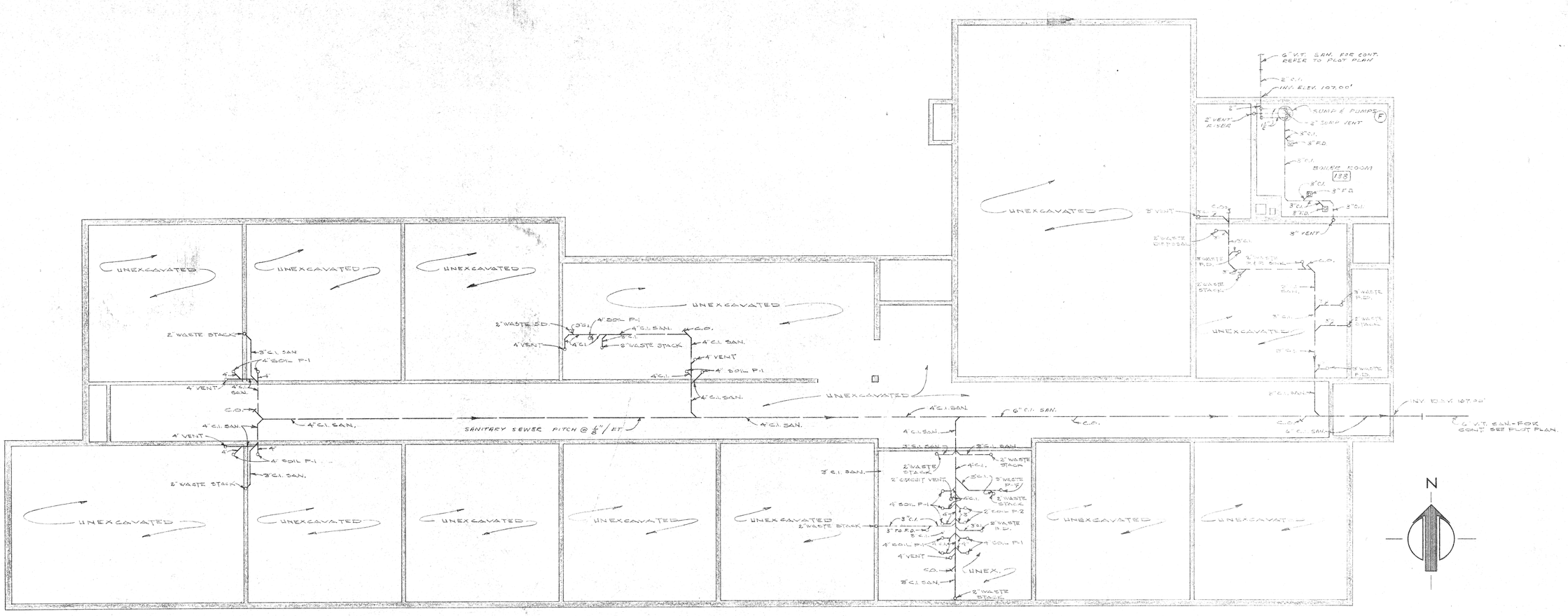
ROOF FRAMING PLAN & DETAILS

NEW ELEMENTARY SCHOOL
ROSE CITY, MICHIGAN

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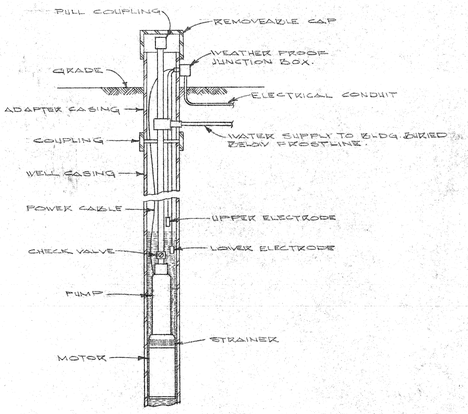
S1 OF 1 | 1809 | June 16, 65

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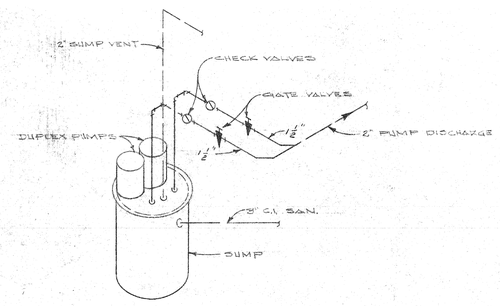
FOUNDATION PLAN

SCALE 1/8" = 1'-0"



WELL PUMP DETAIL

NO SCALE

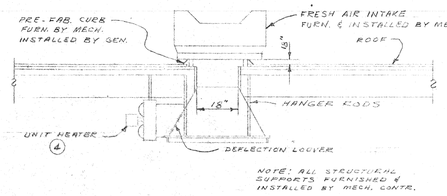


SUMP & PUMP DETAIL

NO SCALE

GENEKAL NOTES

1. CONNECTIONS TO EQUIPMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS. PLUMBING SCHEDULES GIVEN AS A GUIDE TO PIPING & SHALL NOT BE CONSIDERED AS ABSOLUTE OR BINDING.
2. FLOOR DRAINS SHALL BE SET ONE 1" LOWER THAN FINISHED FLOOR ELEVATIONS.
3. PROVIDE SHOCK ABSORBERS FOR EACH SINGLE MOUNTED WATER CLOSET & FOR EACH WATER CLOSET GROUP. INSTALL ON COLD WATER LATERAL BEFORE EACH SINGLE MOUNTED WATER CLOSET OR BEFORE FIRST WATER CLOSET OF EACH GROUP.
4. ALL SANITARY SEWERS WITHIN THE BUILDING SHALL HAVE A MINIMUM PITCH OF 1/8" PER FOOT OR AS INDICATED.
5. ALL VENTS EXTENDING THRU ROOF SHALL TERMINATE AT LEAST 10-0 FROM ANY EXHAUSTER, STATIONARY VENTILATOR OR FRESH AIR INTAKE. IF THIS IS IMPOSSIBLE, VENTS SHALL BE EXTENDED AT LEAST 3'-0" ABOVE TOP OF NEAREST EXHAUSTER, ETC.
6. ALL VENTS IN WALL SHALL BE OFFSET ABOVE, OR AT CEILING AT LEAST 3'-0" BEFORE PASSING THRU ROOF.
7. ALL VENTS SHALL BE 3" OR LARGER THRU ROOF.
8. FOR ALL ITEMS NOTED ON DRAWINGS AS BEING N.I.C. THE CONTRACTOR SHALL FURNISH ONLY CAPPING ALL SUPPLIES, WASTE ETC. AT FLOOR OR WALL & LEAVING THEM READY FOR FUTURE CONNECTION.
9. PROVIDE CLEANOUTS IN SANITARY SEWERS A MAXIMUM OF 50 APART.



NOTE: ALL STRUCTURAL SUPPORTS FURNISHED & INSTALLED BY MECH. CONTR.

COMBUSTION AIR INTAKE DETAIL

NO SCALE

LEGEND

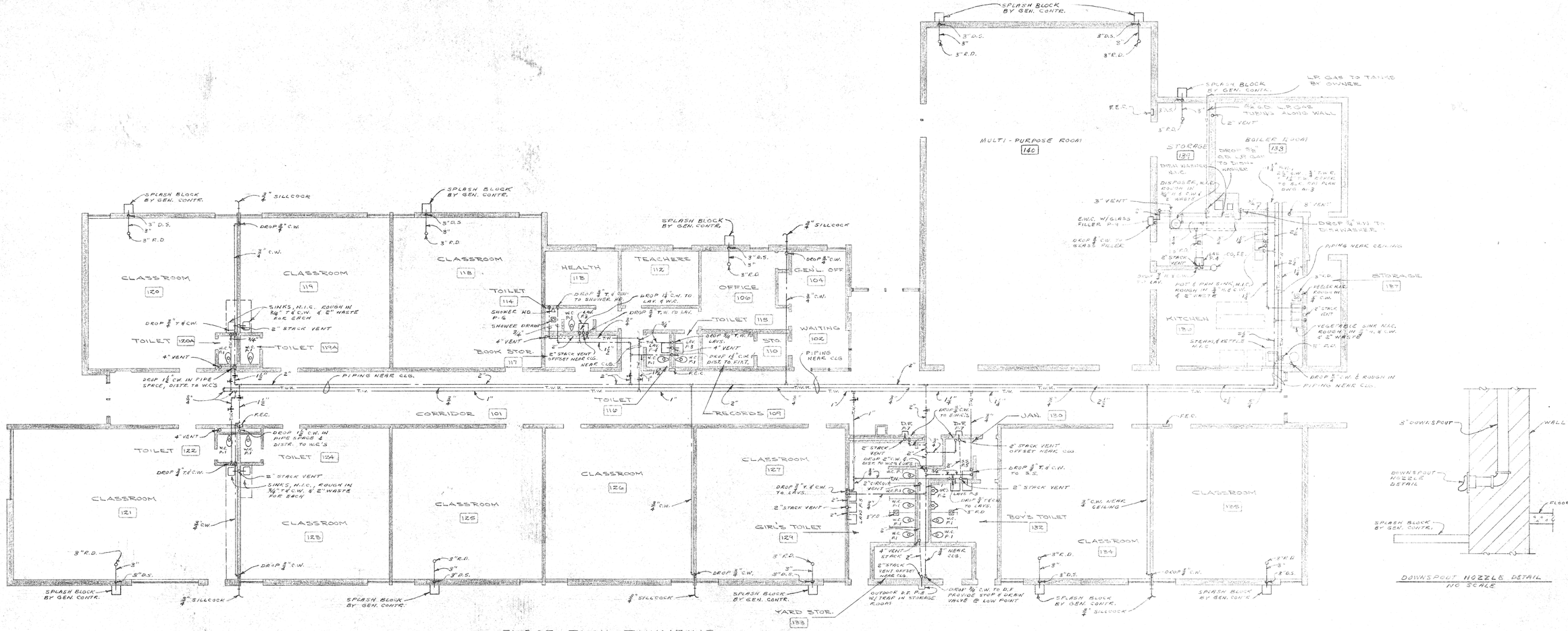
———	HOT WATER HEATING SUPPLY
— — —	HOT WATER HEATING RETURN
———	DOM. COLD WATER (C.W.)
———	DOM. HOT WATER (H.W.)
T.W.	DOM. TEMP. WATER
T.W.R.	DOM. TEMP. WATER RETURN
A	AIR
F.O.S.	FUEL OIL SUPPLY
F.O.R.	FUEL OIL RETURN
———	SANITARY SEWER (SAN)
———	DUCT WORK
	BALANCING VALVE
	CHECK VALVE
	GLOBE VALVE
	GATE VALVE
	SQUARE HEAD COCK
	STRAINER
W.C.	WATER CLOSET
U.R.	URINAL
LAV.	LAVATORY
S.S.	SERVICE SINK
E.W.C.	ELECTRIC WATER COOLER
D.F.	DRINKING FOUNTAIN
F.D.	FLOOR DRAIN
S.D.	SHOWER DRAIN
R.D.	ROOF DRAIN
D.S.	DOWN SPOUT
C.I.	CAST IRON
V.T.	VITRIFIED TILE
F.M.	FLOOR MOUNTED
F.V.	FLUSH VALVE
F.E.	FIRE EXTINGUISHER
M.H.	MOUNTING HEIGHT
S.	SUPPLY
R.	RETURN
C.O.	CLEAN OUT
N.I.C.	NOT IN CONTRACT

FOUNDATION PLAN, DETAILS, & SCHEDULES - PLUMBING

NEW ELEMENTARY SCHOOL
ROSE CITY, MICHIGAN

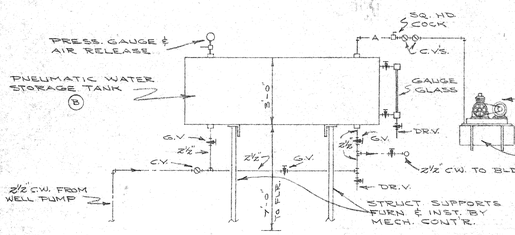
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M-11 OF 3 | 1809 | JUNE 15, 1955



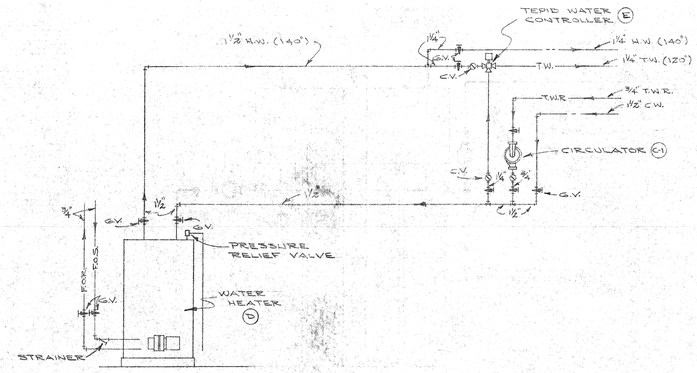
FLOOR PLAN - PLUMBING

SCALE 1/8" = 1'-0"



PNEUMATIC TANK PIPING DIAGRAM

NO SCALE



WATER HEATER PIPING DIAGRAM

NO SCALE

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	C.W.	H.W.	T.W.	WASTE	VENT	TRAP
P-1	WATER CLOSET F.M.-F.V.	1"			4"	4"	INT.
P-2	URINAL F.M.-F.V.	¾"			2"	2"	2"
P-3	LAVATORY	½"		½"	1¼"	1¼"	1¼"
P-4	LAVATORY	½"	½"		1¼"	1¼"	1¼"
P-5	SERVICE SINK	¾"		¾"	3"	3"	3"
P-6	SHOWER HEAD	½"	½"				
P-7	DRINKING FOUNTAIN	½"			1¼"	1¼"	1¼"
P-8	OUTDOOR DRINKING FOUTAIN	½"			1¼"	1¼"	1¼"
P-9	ELECTRIC WATER COOLER W/ GLASS FILLER	½"			1¼"	1¼"	1¼"
	FLOOR DRAIN				3"	3"	3"
	SHOWER DRAIN				2"	2"	2"
	ROOF DRAIN				3"		

CIRCULATOR SCHEDULE

MARK	G.P.M.	HEAD	H.P.	REMARKS
C-1	5	7'	1/12	LINE MOUNTED - T.W. RETURN
C-2	8	5'	1/12	LINE MOUNTED - BOILER RM. UNIT HTR.
C-3	18	29'	¾	LINE MOUNTED
C-4	65	43'	1½	BASE MOUNTED - HEATING CIRC. NEW BOILER RM.

ALL MOTORS LESS THAN ½ H.P. SHALL BE 110-VOLT, 1-PHASE, 60 CYCLE. ALL MOTORS ½ H.P. OR LARGER SHALL BE 208-VOLT, 3-PHASE, 60 CYCLE.

PLUMBING EQUIPMENT SCHEDULE

(A) WELL PUMP: (SEE PLOT PLAN FOR LOCATION)
SUBMERSIBLE TYPE, CAP'Y 47 GPM @ 150 FT. HD. 3 HP 3 Φ, 60 ∿, 208 VOLT MOTOR. REFER TO SPECS.

(B) PNEUMATIC WATER STORAGE TANK:
REUSE EXISTING 36" D.A. x 120" LONG TANK

(C) AIR COMPRESSOR: (PNEUMATIC TANK)
SINGLE STAGE, RECIPROCATING TYPE W/ V-BELT DRIVE CAP'Y 1.5 DISPL. CFM, 100 PSI WORKING PRESSURE ½ H.P. 1 Φ, 60 ∿, 110 VOLT MOTOR

(D) WATER HEATER:
OIL FIRED, STORAGE TYPE, CAP'Y 360 GAL/HR. @ 100°F TEMP. RISE. STORAGE CAP'Y 175 GAL. ¾ H.P., 60 ∿, 1 Φ, 110 VOLT BURNER MOTOR, FIRING RATE 3 GAL/HR. W/ NO. 2 OIL. "BLOCK" 140 E WITH 180 E BURNER.

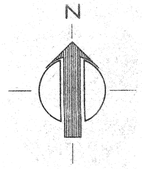
(E) TEPID WATER CONTROLLER:
CAP'Y 30 GPM @ 5 PSI PRESSURE DROP

(F) SUMP & PUMPS: (DUPLEX)
SUMP = 30" DIA. x 36" DEEP W/ GAS TIGHT COVER. PUMPS - EACH = 15 GPM @ 10 FT. HD. ½ H.P., 60 ∿, 1 Φ, 110 VOLT MOTOR.

FIXTURE CONNECTION SCHEDULE

FIXTURE	NUMBER OF FIXTURES SERVED — BRANCH PIPE SIZES: ½"	¾"	1"	1¼"	1½"	2"
½" FIXTURE CONN.	1	2 TO 3	4 TO 8	9 TO 20		
¾" FIXTURE CONN.		1	2 TO 3	4 TO 12		
¾" FLUSH VALVE			1	2 TO 5	6 TO 12	
1" FLUSH VALVE				1	2 TO 5	6 TO 12

NOTE: PIPE RUNS EXCEEDING 25 FT. SHALL BE ONE SIZE LARGER THAN ABOVE. PIPE RUNS OVER 10 FT., MIN. SIZE: ¾"



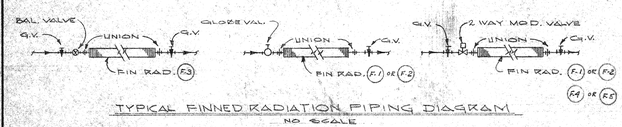
FLOOR PLAN, DETAILS, & SCHEDULES - PLUMBING

NEW ELEMENTARY SCHOOL
ROSE CITY, MICHIGAN

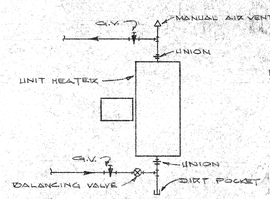
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M2 OF 5

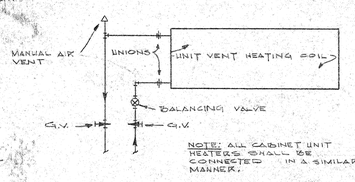
1957



TYPICAL FINNED RADIATION PIPING DIAGRAM
NO SCALE

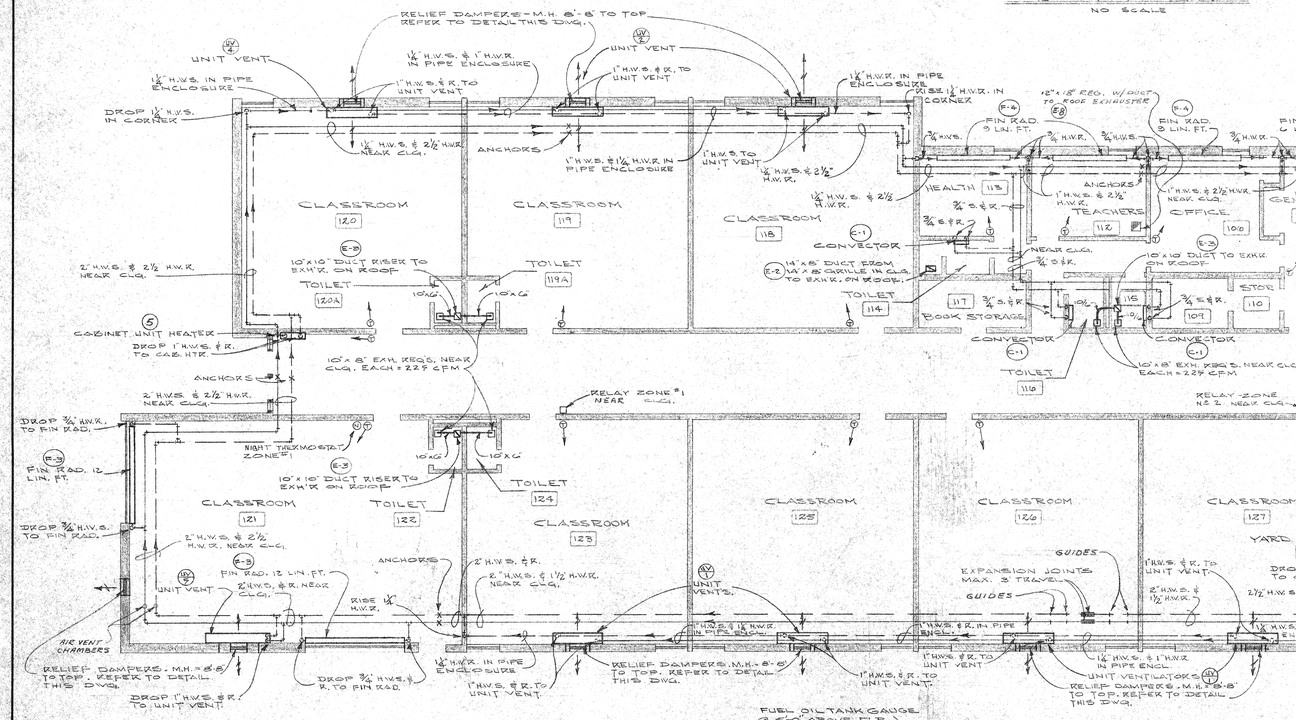


UNIT HEATER PIPING DIAGRAM
NO SCALE

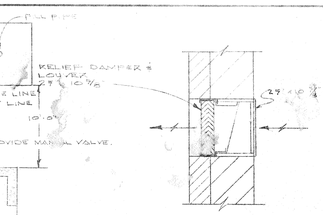


NOTE: ALL CABINET UNIT HEATERS SHALL BE CONNECTED IN A SIMILAR MANNER.

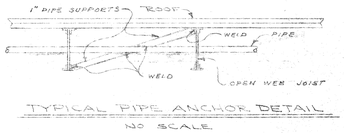
TYPICAL UNIT VENTILATOR COIL PIPING DIAGRAM
NO SCALE



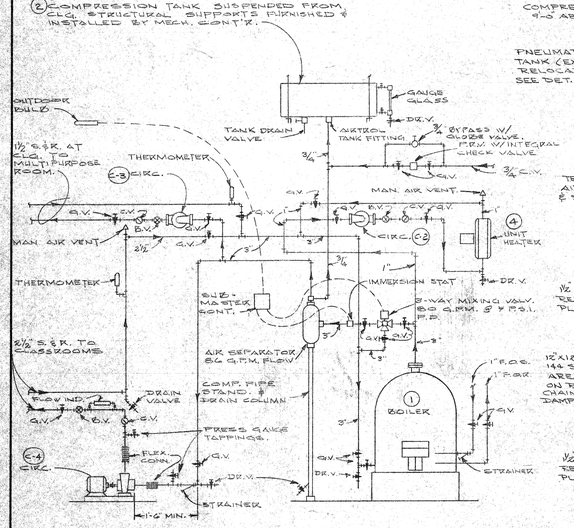
FLOOR PLAN - HEATING & VENTILATING
SCALE 1/8" = 1'-0"



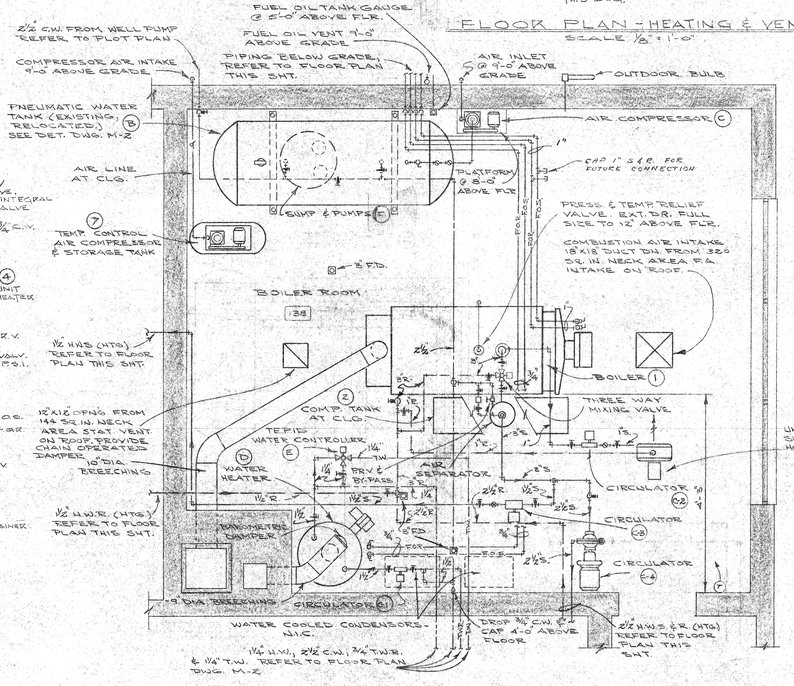
TYPICAL RELIEF DAMPER DETAIL
SCALE 1"=1'-0"



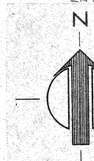
TYPICAL PIPE ANCHOR DETAIL
NO SCALE.



BOILER PIPING DIAGRAM
NO SCALE



BOILER ROOM PLAN
SCALE: ⅜"=1'-0"



(4) UNIT HEATER (HORIZ. TYPE) SUSPEND FROM CLG. MTG. HGT. 9'-0" TO BOTTOM. SEE DETAIL SHT. M-1.

FIN RADIATION SCHEDULE

MARK	ELEMENT	COVER
F-1	1 ROW - 1" STL. TUBE W/ 32-4¼ x 4¼" STL. FINS PER FT.	1 ROW INVERTED SLOPING TOP, NO DAMPER
F-2	2 ROW - 1¼" STL. TUBE W/ 32-4¼ x 4¼" STL. FINS PER FT.	2 ROW INVERTED SLOPING TOP, NO DAMPER
F-3	1 ROW - 1" COPPER TUBE W/ 48 - 2¾ x 2¾" ALUMINUM FINS PER FT.	1 ROW TOP & FRONT OUTLET W/ DAMPER.
F-4	2 ROW - 1¼" STL. TUBE W/ 32-4¼ x 4¼" STL. FINS PER FT.	2 ROW SLOPING TOP W/ DAMPER WALL TO WALL ENCLOSURE
F-5	2 ROW - 1¼" STL. TUBE W/ 32-4¼ x 4¼" STL. FINS PER FT.	2 ROW SLOPING TOP W/ DAMPER WALL TO WALL ENCLOSURE

ENT. WATER = 200° F. TEMP. DROP 20° F. ENT. AIR = 65° F

HEATING & VENTILATING EQUIPMENT SCHEDULE

(1) BOILER:
OIL-FIRED, FORCED DRAFT, NOM. 52.5 H.P., 231 SQ. FT. HTG. SURFACE, 32.0 CU. FT. FURNACE VOL. MOTOR ¾ HP, 208 VOLT, 1 PH., 60 CY.

(2) COMPRESSION TANK:
A.S.M.E. 125 P.S.I., 80 GAL. CAP'Y. 20" DIA. X 66" LONG.

(3) UNIT HEATER:
HORZ. TYPE. CAP'Y = 14.4 M.B.H. W/ 200° F. ENT. WATER, 20° F. TEMP. DROP, & 60° F. ENT. AIR. LVG. AIR TEMP. = 110° F. 285 C.F.M., 10.60 R.P.M., 1/40 H.P., 110-VOLT, 1-PHASE, 60 CYCLE MOTOR.

(4) UNIT HEATER:
HORZ TYPE. CAP'Y = 298 M.B.H. W/ 200° F ENT. WATER, 20° F. TEMP. DROP, & 60° F. ENT. AIR. LVG. AIR TEMP. = 85° F. 900 C.F.M., 1050 R.P.M., 1/40 H.P., 110-VOLT, 1-PHASE, 60 CYCLE MOTOR.

(5) CABINET UNIT HEATER:
WALL MOUNTED, SEMI-RECESSED W/ FOUR SIDES FLANGED & INVERTED DISCH. CAP'Y = 26.0 M.B.H. W/ 200° F ENT. WATER, 20° F. TEMP. DROP & 60° F. ENT. AIR. LVG. AIR TEMP. = 128° F. 350 C.F.M. 1/40 H.P., 110-VOLT, 1-PHASE, 60 CYCLE MOTOR.

(6) CABINET UNIT HEATER:
SAME AS ITEM # 5 EXCEPT FULLY RECESSED.

(7) AIR COMPRESSOR:
TEMPERATURE CONTROL, CAP'Y = 0.75 DELIVERY C.F.M. @ 80 P.S.I. MAX. DISCH. PRESSURE. SINGLE CYLINDER, 1/4 H.P., 110-VOLT, 1-PHASE, 60 CYCLE MOTOR. 15 GALLON STORAGE TANK.

(8) OIL STORAGE TANK
CAPACITY 6,000 GAL. APPROX. 96" DIA. X 16'-0" LG.

EXHAUSTER SCHEDULE

MARK	C.F.M.	E.P.	H.P.	T.S. F.P.M.	FAN R.P.M.	DRIVE	SOUND CURB	REMARKS
E-1	180	¼"	1/25	3200	1600	DIRECT	NO	
E-2	200	⅛"	1/25	3230	1550	DIRECT	NO	
E-3	450	¼"	1/15	3885	1550	DIRECT	NO	
E-4	825	¼"	1/2	3270	860	DIRECT	NO	
E-5	735	⅛"	1/8	2430	1140	DIRECT	NO	
E-6	1850 MAX 715 MIN	½"	1/2	3400 MAX 1310 MIN	1425 /715	BELT	YES	208 VOLT, SINGLE PHASE W/ E.P. SW. SB.D. AF-30
E-7	1850 MAX 715 MIN	½"	1/2	3400 MAX 1310 MIN	1425 /715	BELT	NO	208 VOLT, SINGLE PHASE W/ E.P. SW. SB.D. AF-30
E-8	150	½"	1/2	3400	1140	DIRECT	YES	

ALL EXHAUSTER MOTORS SHALL BE 110-VOLT, 1-PHASE, 60 CYCLE, EXCEPT E-6 & E-7 WHICH SHALL BE 208 VOLT, 1PH, 60 CY.

UNIT VENTILATOR SCHEDULE

MARK	C.F.M.	% F.A.	TOTAL M.B.H.	G.P.M.	P.D.	REMARKS
UV-1	1000	33⅓	58.1	2.9	2.7'	STD. FLOOR MODEL
UV-2	1000	33⅓	59.4	3.0	2.7'	STD. FLOOR MODEL
UV-3	1000	33⅓	60.7	3.8	2.7'	STD. FLOOR MODEL
UV-4	1000	33⅓	68.2	3.4	2.7'	STD. FLOOR MODEL
UV-5	1500	33⅓	112.1	5.6	7.0'	STD. FLOOR MODEL
UV-6	1500	50	111.5	5.6	7.0'	STD. FLOOR MODEL

ENT. WATER = 200° F. TEMP. DROP 40° F. ENT. AIR MIXT. = 44° F ALL MOTORS SHALL BE 110-VOLT, 1-PHASE, 60 CYCLE, 1/8 H.P.

CONVECTOR SCHEDULE

MARK	CAPACITY M.B.H.	DIMENSIONS LENGTH	HEIGHT	DEPTH	TYPE	REMARKS
C-1	2.5	24"	20"	4"	WALL HUNG, SLOPING TOP	DAMPER CONTROLLED
C-2	10.0	56"	32"	6"	WALL HUNG, SLOPING TOP	2-WAY MOD. VALVE

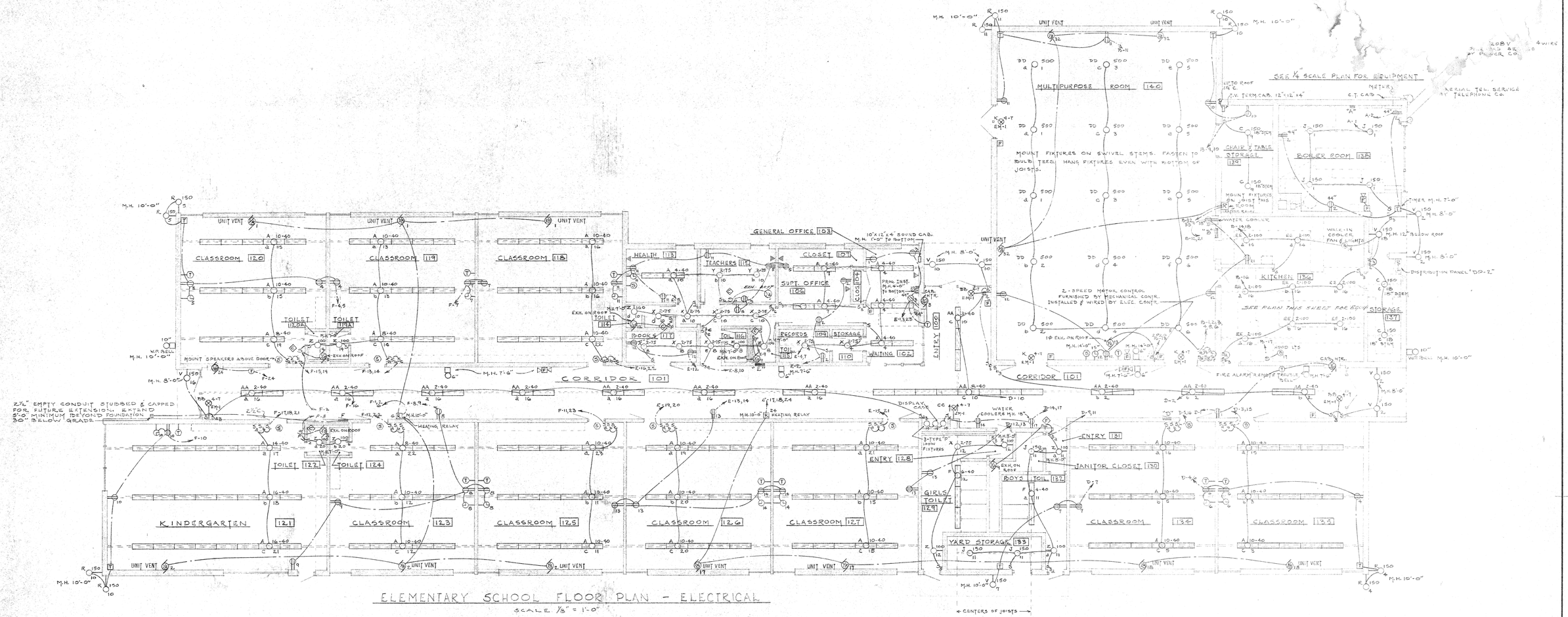
ENT. WATER = 200° F. TEMP. DROP = 20° F. ENT. AIR = 65° F.

FLOOR PLAN, DETAILS, & SCHEDULES - HEATING & VENTILATING

NEW ELEMENTARY SCHOOL
ROSE CITY MICHIGAN

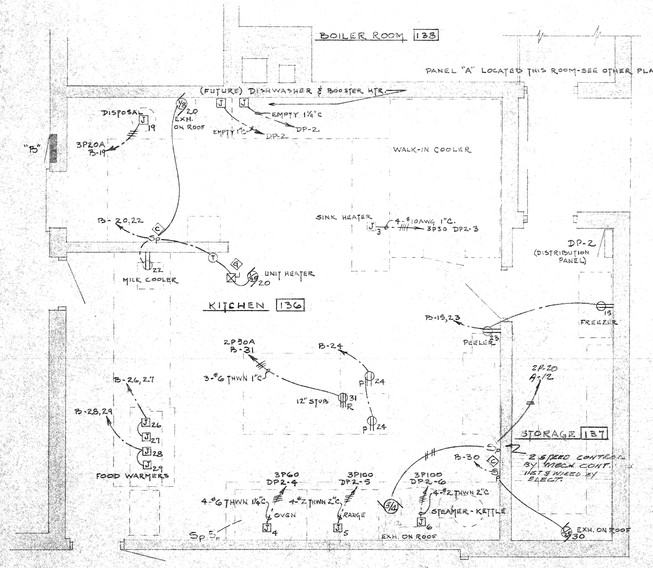
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M-3 OF 8 | 1809 | JUNE 15, 65



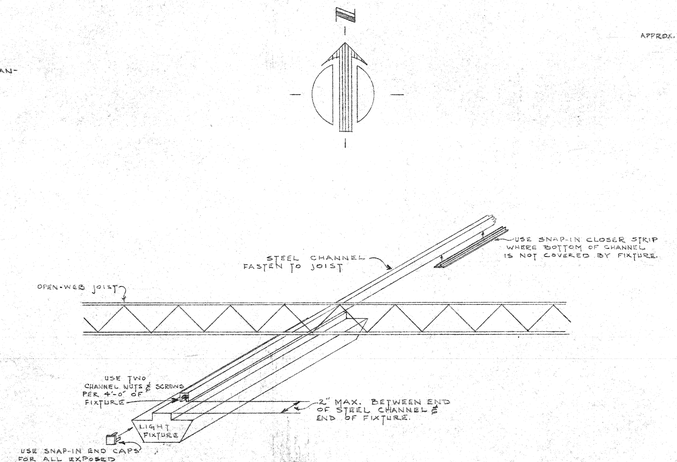
ELEMENTARY SCHOOL FLOOR PLAN - ELECTRICAL

SCALE 1/8" = 1'-0"



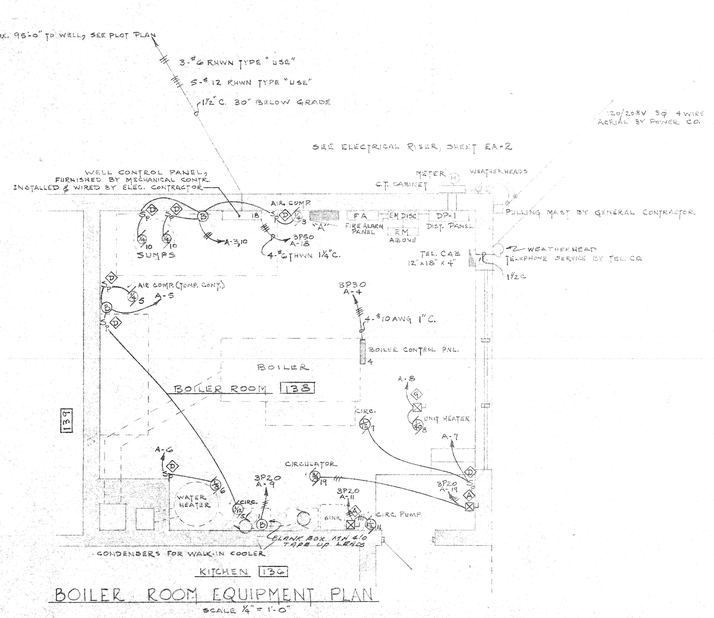
KITCHEN EQUIPMENT PLAN

SCALE 1/4" = 1'-0"



TYPICAL FIXTURE HANGING DETAIL WITH STEEL CHANNEL FASTENED TO JOISTS.

NO SCALE



BOILER ROOM EQUIPMENT PLAN

SCALE 1/4" = 1'-0"

ELECTRICAL

FLOOR PLAN - BOILER ROOM EQUIPMENT - KITCHEN EQUIPMENT PLANS

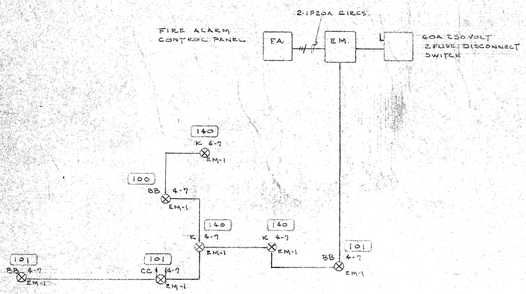
NEW ELEMENTARY SCHOOL

ROSE CITY, MICHIGAN

LOUIS C. KINGSCOTT & ASSOCIATES, INCORPORATED

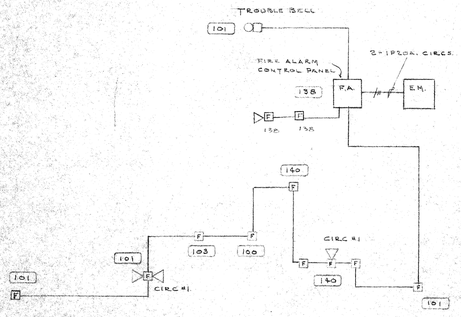
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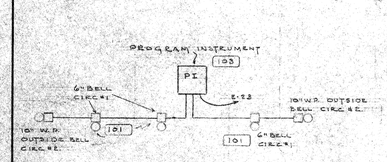
EMERGENCY LIGHTING RISER

NO SCALE



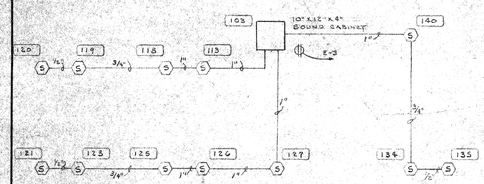
FIRE ALARM RISER

NO SCALE



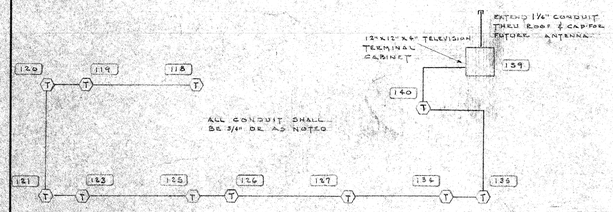
PROGRAM RISER

NO SCALE



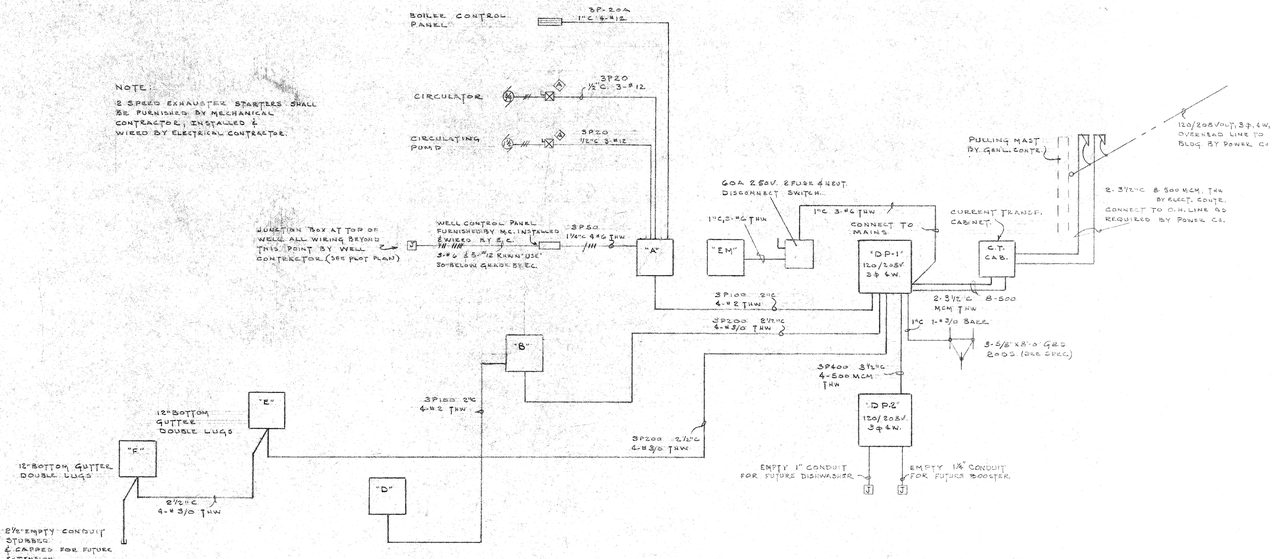
EMPTY CONDUIT SOUND SYSTEM RISER

NO SCALE



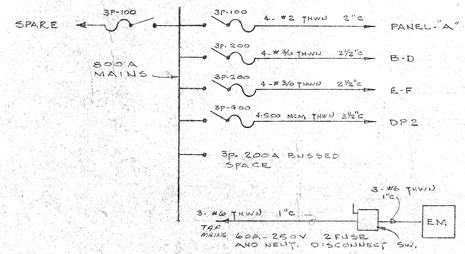
EMPTY CONDUIT TELEVISION RISER

NO SCALE



ELECTRIC RISER

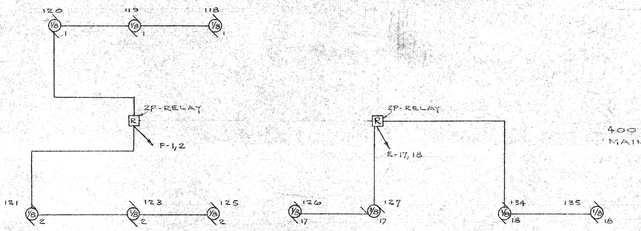
NO SCALE



PANEL DP1 ONE LINE DIAGRAM

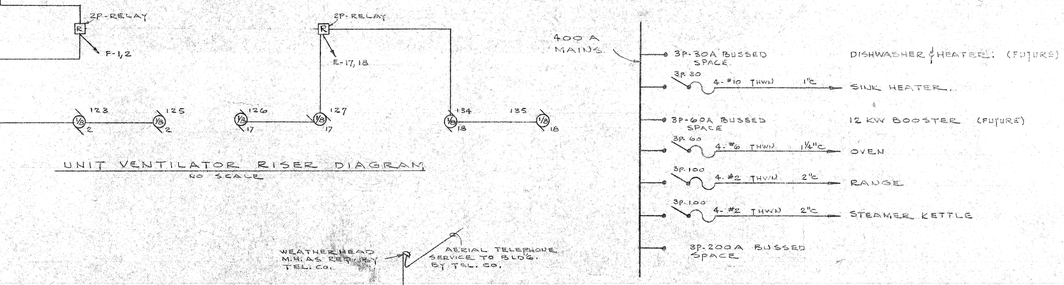
120/208V 3φ-4W

No SCALE



UNIT VENTILATOR RISER DIAGRAM

NO SCALE



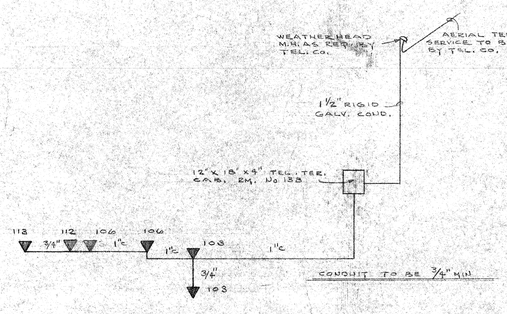
PANEL DP2 ONE LINE DIAGRAM

120/208V 3φ-4W

No SCALE

EMPTY CONDUIT TELEVISION RISER

NO SCALE



TELEPHONE RISER DIAGRAM

NO SCALE

ALL CIRCUITS COMPLETE WITH BUSSMANN DUAL-ELEMENT FUSES.

ALL MAINS TO BE COPPER, SIZED ON A CURRENT DENSITY OF 1,000 AMPERES PER SQ. IN., MAX.

ALL NEUTRALS FULL SIZE.

DISTRIBUTION PANEL DATA

PANEL	CIRCUITS	MAINS	FUSED BRANCHES REMARKS
DP-1	1 - 3P- 100A 2 - 3P- 200A 1 - 3P- 400A 1 3P- 200A SPARE.	800A	120/208V, 3φ-4W.
DP-2	1 - 3P- 60A 1 - 3P- 30A SPACE 1 - 3P - 60A SPACE 2 - 3P - 100A 1 - 3P-200A SPACE	400A	120/208V, 3φ - 4W

ALL FUSES TO BE BUSSMANN DUAL-ELEMENT FUSES.
ALL SPACES BUSSED READY TO RECEIVE UNITS.

LIGHTING PANEL DATA 120/208V 3φ-4W 5½" DEEP TYPE, 20" WIDE.

PANEL	CIRCUITS USED: 1P 20A 120V 1φ	2P 20A 208V 1φ	2P 50A 208V 1φ	3P 20A 208V 3φ	3P 30A 208V 3φ	3P 50A 208V 3φ	3P 100A 208V 3φ	SPARE CIRCUITS COMPLETE WITH BREAKERS: 1P 20A 120V 1φ	TOTAL POLES	FLUSH OR SURF.	MAINS	REMARKS
A	8	1		3	1	1		17	42	S	225A	
B	27	1	1	1			1	5	42	F	225A	
C	NOT USED											
D	16							10	26	F	100A	
E	23							9	32	F	225A	DOUBLE LUGS 12" BOTTOM GUTTER.
F	24							8	32	F	225A	DOUBLE LUGS 12" BOTTOM GUTTER.
EM	3							5	8	S	100A	LOAD CENTER TYPE 120/208V-1Φ-3W PAINT RED STENCIL "EMERGENCY"

RISER DIAGRAMS

NEW ELEMENTARY SCHOOL
ROSE CITY, MICHIGAN

LOUIS C. KINGSCOTT & ASSOCIATES, INCORPORATED
ARCHITECTS • ENGINEERS KALAMAZOO • INDIANAPOLIS • DAVENPORT

E-A 2 of 3 | 1809 | JOHN ELLIS

KEY TO SYMBOLS

- CONDUIT CONCEALED
- CONDUIT UNDER FLOOR
- S SWITCH M.H. 4'-0"
- S_3 SWITCH THREE WAY M.H. 4'-0"
- S_K KEYED SWITCH. M.H. 4'-0"
- S_P SWITCH WITH PILOT LIGHT ID MOTOR CONTROL, M.H. 5'-0"
- MOTOR STARTER & DISCONNECT SWITCH.
- DUPLEX CONVENIENCE OUTLET M.H. 12"
- RANGE OUTLET.
- DRYER OUTLET.
- CLOCK OUTLET, M.H. 7'6" OR AS NOTED.
- (S) SPEAKER M.H. 8'-8" OR AS NOTED.
- (T) TELEVISION OUTLET M.H. 12"
- TELEPHONE OUTLET M.H. 12"
- (T) TIMER M.H. 7'6" OR AS NOTED.
- (T) THERMOSTAT, M.H. 5'-0" FURNISHED BY MECH. CONTR. INSTALLED AND WIRED BY ELEC. CONTR.
- PROGRAM BELL M.H. 7'-8" OR AS NOTED.
- FIRE ALARM STATION
- FIRE ALARM HORN SINGLE PROJECTOR.
- FIRE ALARM HORN DOUBLE PROJECTOR.

- DISCONNECT SWITCH.
- MOTOR HORSEPOWER AS NOTED.
- F RELAY.
- EXIT LIGHT.
- BRACKET LIGHT.
- (B) BLANK BOX.
- (J) JUNCTION BOX.
- TELEPHONE TERMINAL CABINET.
- LIGHTING PANEL.
- (MC) MASTER CLOCK.
- BOILER CONTROL PANEL

TYPE	WATTS	DESCRIPTION	MOUNTING
X	2-75	ARTMETAL No. 602	CEILING
Y	2-75	ARTMETAL No. 3361 SL	CEILING
Z	100	BENJAMIN No. M-875	WALL
AA	1-40	SUNBEAM No. PAR501-48RS	STEEL CHANNEL
BB	4-7	MILLER No. SE-1101 EXIT, GREEN LETTERS, METAL STENCIL	WALL
CC	4-7	MILLER No. SE-2101-LR EXIT, GREEN LETTERS METAL STENCIL, BOLDFACE ARROWS	WALL
DD	500	PITTSBURGH No. F500G	ON SWITCH STEMS
EE	2-100	ARTMETAL No. 3362SL	CEILING

LIGHT FIXTURE SCHEDULE

TYPE	WATTS	DESCRIPTION	MOUNTING
A	2-40	SUNBEAM - No. L12-20-48, WAKEFIELD - No. SIE-214 SENTRY, SYLVANIA - No. CL-242-4SES. TRIMLINE. PLASTIC SIDES 25" X 35" SHIELDING	STEEL CHANNEL SEE DET. SHT. EA-3
B		NOT USED	
C	150	MILLER - No. AB-3051, RUM. REFLECTOR.	STEM.
D		NOT USED	
E		NOT USED	
F	240	DAY-BRITE - No. 4S295, RANGER-2.	STEEL CHANNEL
G		NOT USED	
H		NOT USED	
I		NOT USED	
J	150	HUBBELL - No. 3963, PORCELAIN LAMP HOLDER.	CEILING
K	4-7	MILLER - No. SR1102, EXIT, GREEN LETTERS, METAL STENCIL.	RECESSED.
L		NOT USED	
M		NOT USED	
N		NOT USED	
O		NOT USED	
P	100	LITECRAFT - No. D-441 FRESNEL LENS.	RECESSED.
Q		NOT USED	
R	15 PAR-38	STONCO - No. 1510-L, PAL. 38 FLOODLAMP.	WALL
S		NOT USED	
T		NOT USED	
U		NOT USED	
V	150	HOLOPHANE - No. 415 BRACKET.	WALL
W.		NOT USED	

ELECTRICAL CONTRACTOR TO CHECK CEILING TYPE AND CONSTRUCTION BEFORE ORDERING LIGHT FIXTURES.

LIGHT FIXTURE SYMBOL — TYPE / WATTS / SW. / CIRC.

SCHEDULES & DETAILS

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EA 3 of 3 Sheets