1980

PRAIRIE VISTA

A NEW ELEMENTARY SCHOOL

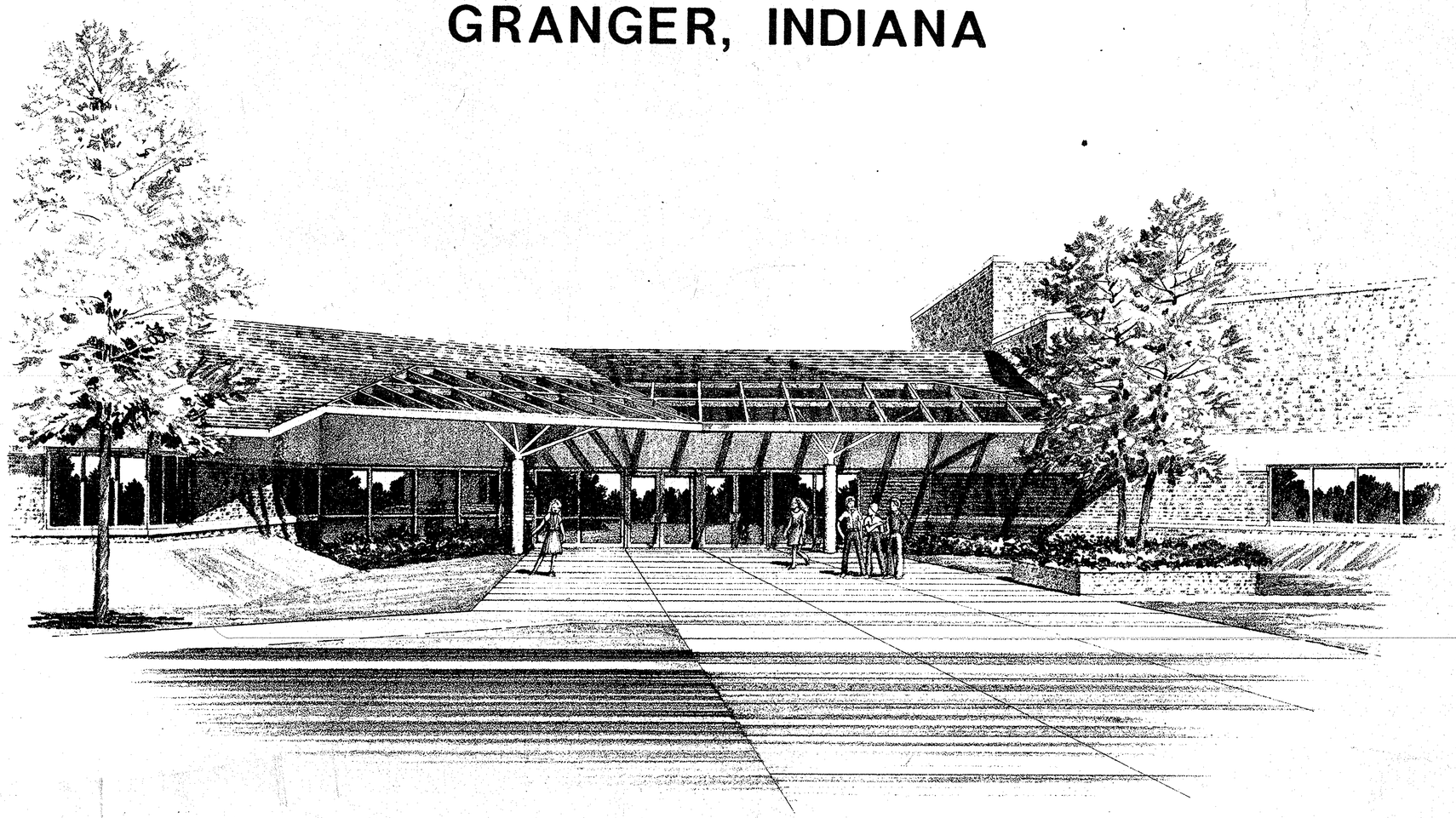
FOR

HARRIS TOWNSHIP

FOR THE

PENN-HARRIS-MADISON SCHOOL CORPORATION

GRANGER, INDIANA



FANNING / HOWEY ASSOCIATES, INC.

ARCHITECTS ENGINEERS CONSULTANTS

114 YORK STREET
540 EAST MARKET STREET
9265 COUNSELOR'S ROW
2545 FARMERS DRIVE

MICHIGAN CITY, INDIANA 46360
CELINA, OHIO 45822
INDIANAPOLIS, INDIANA 46240
COLUMBUS, OHIO 43085

6

LEE BROCKWAY
REGISTERED
No. 7696
STATE OF INDIANA
ARCHITECT

SET NO.

ARCHITECTURAL AND STRUCTURAL ABBREVIATIONS

@	AT
A/C	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFP	ACCORDION FOLDING PARTITION
ALT	ALTERNATIVE
ALUM	ALUMINUM
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
A/V	AUDIO-VISUAL
AWG	AMERICAN WIRE GAUGE
AWT	ACOUSTICAL WALL TREATMENT
∠	ANGLE
&	AND
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCH MARK/BEAM
BOS	BOTTOM OF STEEL
BRG	BEARING
BRK	BRICK
BTWN	BETWEEN
BUR	BUILT-UP ROOF
CAB	CABINET
CAR	CARPET
CAT	CATALOG
CB	CHALKBOARD/CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CH	CABINET HEATER
CI	CAST IRON
CJ	CONTROL JOINT
℄	CENTERLINE
CL	CLOSET
CLG	CEILING
CMP	CORRUGATED METAL PIPE
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS/CONTINUE
CORR	CORRIDOR/CORRUGATED
CT	CERAMIC TILE
CTBR	COUNTER BORE
CTSK	COUNTER SINK
CU. FT.	CUBIC FEET
CU. IN.	CUBIC INCH
CU. YD.	CUBIC YARD
CUSP	CUSPIDOR
CW	COLD WATER
CWF	CEMENTITIOUS WOOD FIBER
d	PENNY (NAILS, ETC.)
D	DEPTH/DEEP
°	DEGREE
DC	DISPLAY CASE
DEPT	DEPARTMENT
DTL	DETAIL
DF	DRINKING FOUNTAIN
DIA/Ø	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DL	DEAD LOAD
DRWG	DRAWING
DS	DOWNSPOUT
DT	DRAPERY TRACT
DWC	DRINKING WATER COOLER
E	EAST
EF	EACH FACE
EJ	EXPANSION JOINT
ELEC	ELECTRIC
ELEV	ELEVATION/ELEVATOR
ENGR	ENGINEER
EP	ELECTRICAL PANELBOARD
EQUIP	EQUIPMENT
ESR	ELASTIC SHEET ROOFING
EW	EACH WAY
EWFS	EXTERIOR WALL FINISH SYSTEM
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR/EXTENSION

FD	FLOOR DRAIN
FH CAB	FIRE HOSE CABINET
FIN	FINISH
FIN.FL./FF	FINISH FLOOR
FL	FLOOR
FDN	FOUNDATION
FSSK	FLOOR SERVICE SINK
FT	FEET
FTG	FOOTING
FX	FIRE EXTINGUISHER
FX CAB	FIRE EXTINGUISHER CABINET
H	HEIGHT/HIGH
HB	HOSE BIBB
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HW	HOT WATER
HWY	HIGHWAY
ID	INSIDE DIAMETER
IN "	INCH
INCL	INCLUDE(D), (ING)
INFO	INFORMATION
INSUL	INSULATION/INSULATE
INT	INTERIOR
INV	INVERT
JAN.CL.	JANITOR'S CLOSET
JB	JOIST BEARING
JS	JOIST SUBSTITUTE
JT	JOINT
KIT	KITCHEN
L	LENGTH/LONG
LAB	LABORATORY
LAM	LAMINATE(D)
LAV	LAVATORY
LB/#	POUND
LKR	LOCKER
LL	LIVE LOAD
LLV	LONG LEG VERTICAL
LVR	LOUVER
LW	LONG WAY
M	METER/THOUSAND
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MB	MASONRY BEARING
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MM	MILLIMETER
MO	MASONRY OPENING
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NO./#	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OPNG	OPENING
OPP	OPPOSITE
OW	OPERABLE WALL
OZ	OUNCE

PA	PUBLIC ADDRESS
PL OR P.	PLATE/PROPERTY LINE
PLAS	PLASTER
PLAS. LAM.	PLASTIC LAMINATE
PLBG	PLUMBING
PREFAB	PREFABRICATED
PS	PROJECT SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSS	PENCIL SHARPENER SUPPORT
PVS	POLYVINYL CHLORIDE
PLYWD	PLYWOOD
QT	QUARRY TILE
R	RADIUS/RISER
RA	RETURN AIR
RB	RESILIENT BASE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCING
REQ'D	REQUIRED
REV	REVISION(S)
RM	ROOM
RO	ROUGH OPENING
RVB	RESILIENT VENTED BASE
R/W	RIGHT-OF-WAY
S	SOUTH
SA	SUPPLY AIR
SCH	SCHEDULE
SD	STORM DRAIN/SMOKE DETECTOR
SECT	SECTION
SF/	SQUARE FEET
SGFT	STRUCTURAL GLAZED FACING TILE
SHT	SHEET
SIM	SIMILAR
SLV	SHORT LEG VERTICAL
SPEC(S)	SPECIFICATION(S)
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
STL	STEEL
STO	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SW	SHORT WAY
SYM	SYMMETRY(ICAL)
SYN	SYNTHETIC
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TA	TOILET ACCESSORY(IES)
TB	TACKBOARD
TEL	TELEPHONE
TERR	TERRAZZO
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TRANS	TRANSFORMER
TV	TELEVISION
TYP	TYPICAL
TWS	TACKABLE WALL SURFACE
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATOR
UR	URINAL
V. RET.	VAPOR RETARDER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VIT	VITREOUS
VOL	VOLUME
VS	VERSUS
VT	VINYL TILE
W	WEST/WIDE/WIDTH
W/	WITH
W/O	WITHOUT
WA	WARDROBE ACCESSORIES
WB	WOOD BASE
WC	WATER CLOSET/WIND COLUMN
WD	WOOD
WH	WATER HEATER
WP	WORKING POINT
WSSK	WALL SERVICE SINK
WWF	WELDED WIRE FABRIC
YD	YARD/YARD DRAIN

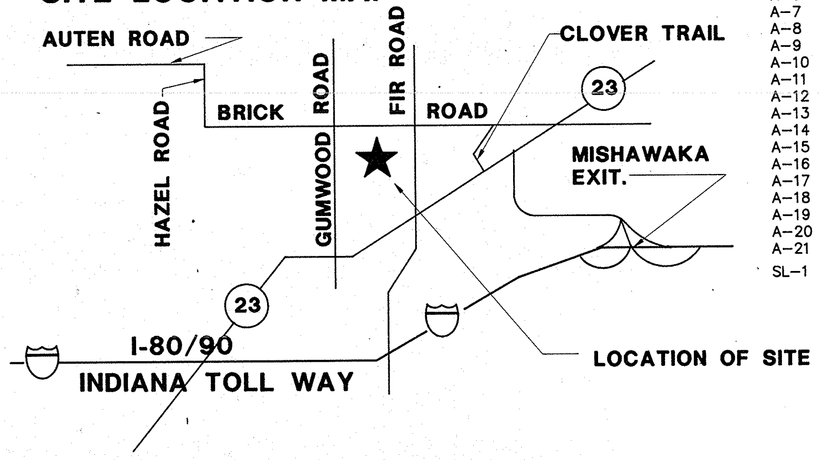
ARCHITECTURAL MATERIAL SYMBOL LEGEND

- ASPHALT
- EARTH
- GRAVEL OR STONE
- SAND, GROUT, PLASTER, OR GWB
- CONCRETE
- TERRAZZO
- CUT STONE
- RUBBLE
- MARBLE
- SLATE
- PRECAST CONCRETE
- FACE BRICK
- FIRE BRICK
- GLAZED BRICK
- CONCRETE MASONRY UNIT (PLAN)
- CONCRETE MASONRY UNIT (CORED, IN SECTION)
- CONCRETE MASONRY UNIT (SOLID, IN SECTION)
- SPRAY-ON INSULATION OR FIRE PROTECTION
- LIGHTWEIGHT INSULATING CONCRETE
- CERAMIC TILE, QUARRY TILE OR STRUCTURAL GLAZED TILE (LARGE SCALE)
- WIRE FENCE OR PARTITION
- CORRUGATED METAL FORMING
- METAL ROOF DECK
- REINFORCING BARS
- METAL (IN SECTION)
- METAL SHAPES
- WWF IN CONCRETE SLAB
- LAMINATED WOOD BEAM (SMALL SCALE, SECTION)
- BATT INSULATION
- RIGID INSULATION
- ROUGH WOOD
- FINISH WOOD
- WOOD OTHER THAN NOMINAL
- PLYWOOD
- GYPSUM WALLBOARD (LARGE SCALE)
- STUD WALL
- SOLID PANEL FOLDING PARTITION OR OPERABLE WALL
- FABRIC ACCORDION FOLDING PARTITION
- ACOUSTIC TILE CEILING
- CARPET

ARCHITECTURAL DRAWING SYMBOLS LEGEND

- LEVEL LINE
- TB#1 TEST BORING & NO.
- 611 EXISTING CONTOUR
- 611 NEW CONTOUR
- 611.6' EXISTING POINT ELEVATION
- 615.5' NEW POINT ELEVATION
- (E) WINDOW TYPE
- 101 A DOOR NUMBER
- (A) (3) STRUCTURAL GRID REFERENCE
- C12 CASEWORK NUMBER
- E12 EQUIPMENT NUMBER
- 4 LOCKER TYPE
- 3-A15 DETAIL REFERENCE
- A15 ROOM NO. SEE SCHEDULE FOR ROOM AREA & CEILING HEIGHT
- 3-A12 WALL OR DETAIL SECTION
- 3-A17 BUILDING SECTION
- 3-A12 DETAIL 3/4"=1'-0" DETAIL OR SECTION TITLE

SITE LOCATION MAP



CONSTUCTION MANAGEMENT

IRMSCHER & SONS, INC.
58533 MAGNETIC DRIVE
MISHAWAKA, INDIANA. 46545

STRUCTURAL CONSULTANTS

LAWSON-FISHER ASSOCIATES
525 W. WASHINGTON STREET
SOUTH BEND, INDIANA 46601

FOOD SERVICE CONSULTANT

VORNDRAN & ASSOCIATES
3415 N. CLINTON STREET
FT. WAYNE, INDIANA 46805

A NEW ELEMENTARY SCHOOL

FOR
HARRIS TOWNSHIP
IN
GRANGER, INDIANA
FOR THE
PENN-HARRIS-MADISON SCHOOL CORP.
MISHAWAKA, INDIANA

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LOREN "PETE" KLINE	MEMBER
DR. A. DEAN SPEICHER	SUPERINTENDENT

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COVER SHEET
INDEX SHEET

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LEE BROCKWAY REGISTERED No. 10866 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
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FOR THE
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GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

INDEX SHEET

DRAWN BY: EJS,GRM COMM. NO.: 8712.00
CHECKED BY: JFS DATE: JAN. 11, 1988
REVISIONS NO. DATE

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HARRIS TOWNSHIP ELEMENTARY SCHOOL

22

TOPOGRAPHIC & BOUNDARY SURVEY

Part of the Northeast Quarter of Section 22, Township 38 North, Range 3 East, Harris Township, St. Joseph County, Indiana.

for

James K. Perkins & Associates, Inc.

LAND SURVEYOR'S CERTIFICATE:

I, J. Bernard Feeney, a duly licensed Land Surveyor hereby certify that this survey was made by me or under my direct supervision and that the survey hereon delineated is a full and accurate representation of the land surveyed. I, further certify that the information in the map delineated herein, is a true and correct representation of site conditions as of May 6, 1987.

Dated this 7th day of May, 1987.

J. Bernard Feeney
R.L.S. No. S-0309
State of Indiana

BENCHMARK , RR Spike in power pole (J167-54) at northeast corner of property. elev. . . . 786.92

Total Acreage - 39.38

Gas
Northern Indiana Public Service Co. (NIPSCO)
307 North Michigan Street
South Bend, Indiana 46601
234-4023

Electric
I & M Electric Company
220 West Colfax Avenue
South Bend, Indiana 46601
233-9371

C.A.T.V.
Heritage Cablevision Corp.
16830 Edison Road
Mishawaka, Indiana 46545
674-5561

NOTE, Gas service in Dawn Manor Addition on Kerlin Drive , contact NIPSCO.

Scale 1" = 50'
50 25 10 0 50 100

Prepared by:
Lang, Feeney & Associates, Inc.
715 South Michigan Street
South Bend, Indiana 46618
Phone (219) 233-1841

Land Surveying

Scale	1" = 50'	Drawn	RJW
Date	5/6/87	Checked	
Rev.	7/20/87 measurements corrected	Job No.	52-98
Rev.			

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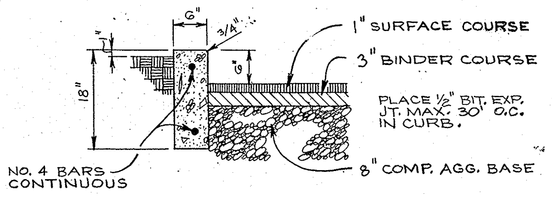
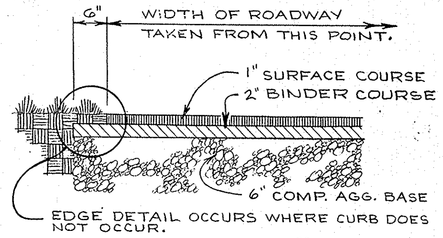


SECTION 1

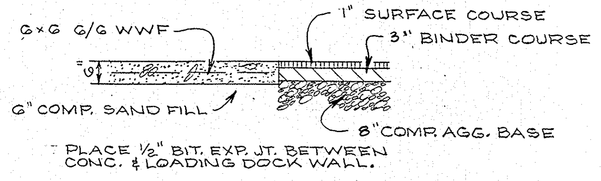
SCALE: 3/4" = 1'-0"

NOTE
SECTIONS 1, 2, 5, 10 SHOW HEAVY DUTY PAVEMENT THICKNESS. AT STANDARD DUTY PAVEMENT AREAS CHANGE PAVEMENT THICKNESS TO 6"-2½"-1½". PLAYGROUND & TENNIS COURT PAVING IS TO BE 6"-2"-1".



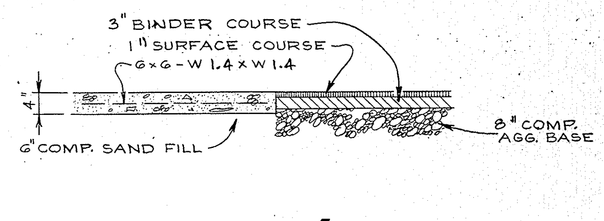
SECTION 2

SCALE: 3/4" = 1'-0"



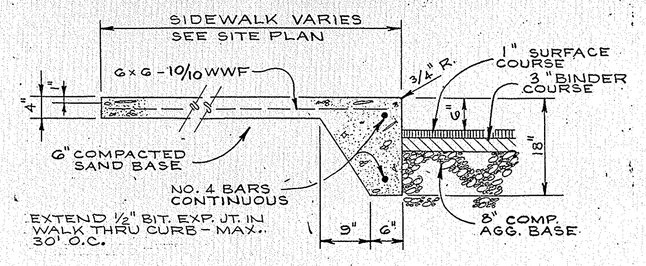
SECTION 3

SCALE: ½" = 1'-0"



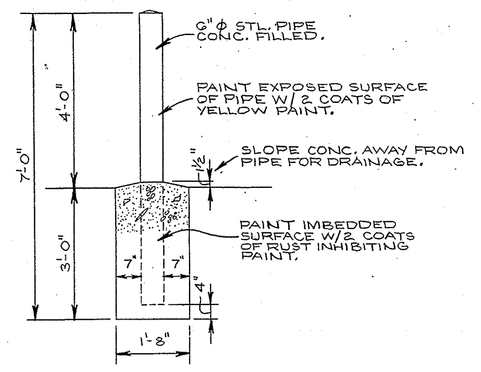
SECTION 4

SCALE: 3/4" = 1'-0"

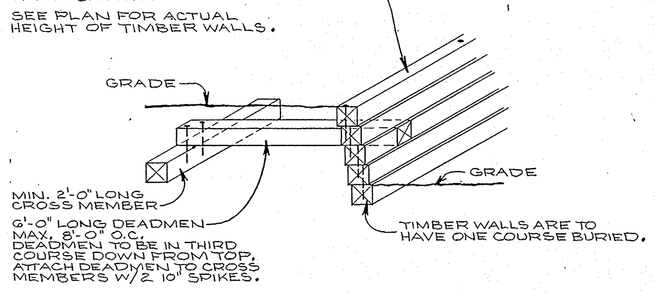


SECTION 5

SCALE: 3/4" = 1'-0"



SECTION 6

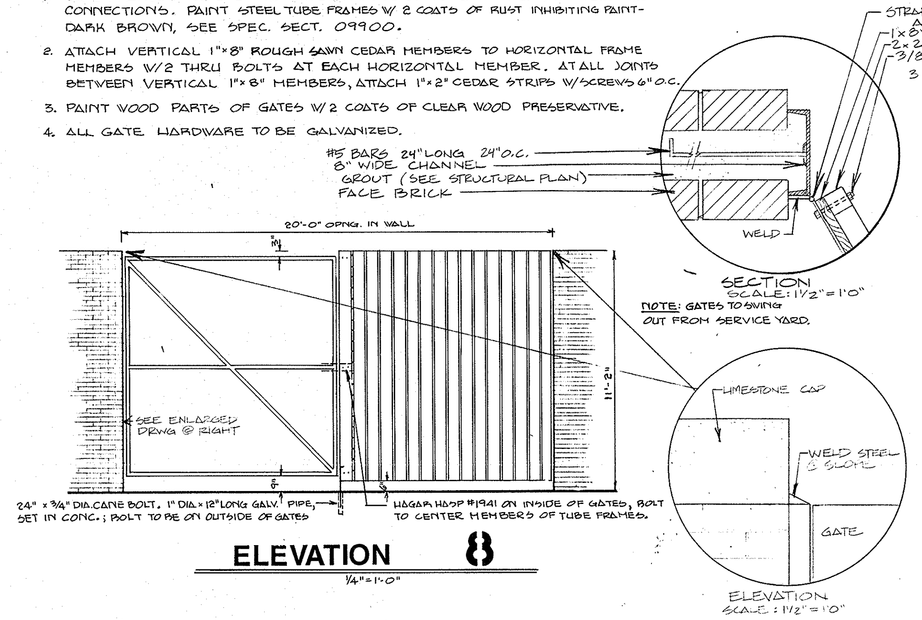


TYP. TIMBER WALL CONSTRUCTION UNLESS SHOWN OTHERWISE.

TIMBER WALL DETAIL 7

NOTES: SERVICE YARD GATES

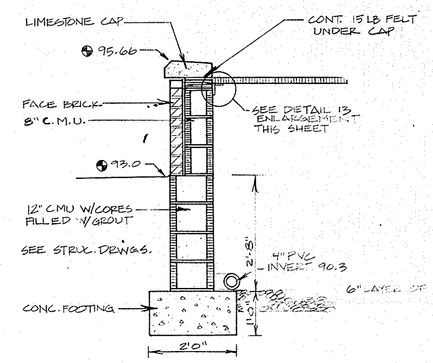
1. GATE FRAMED TO BE 2'-2" × 3/16" TUBE ON INSIDE OF WOOD FACING. SHOP WELD ALL CONNECTIONS. PAINT STEEL TUBE FRAMES W/ 2 COATS OF RUST INHIBITING PAINT-DARK BROWN, SEE SPEC. SECT. 09900.
2. ATTACH VERTICAL 1" × 8" ROUGH SAWN CEDAR MEMBERS TO HORIZONTAL FRAME MEMBERS W/2 THRU BOLTS AT EACH HORIZONTAL MEMBER. AT ALL JOINTS BETWEEN VERTICAL 1" × 8" MEMBERS, ATTACH 1" × 2" CEDAR STRIPS W/SCREWS 6" O.C.
3. PAINT WOOD PARTS OF GATES W/ 2 COATS OF CLEAR WOOD PRESERVATIVE.
4. ALL GATE HARDWARE TO BE GALVANIZED.



NOTE: GATES TO SWING OUT FROM SERVICE YARD.

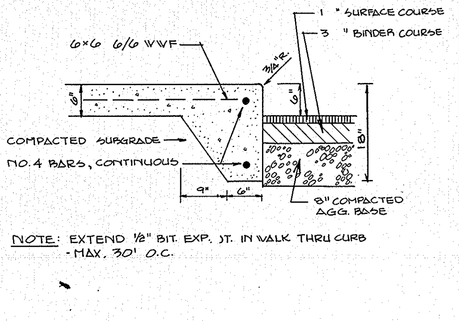
ELEVATION 8

1/4" = 1'-0"



SECTION 9

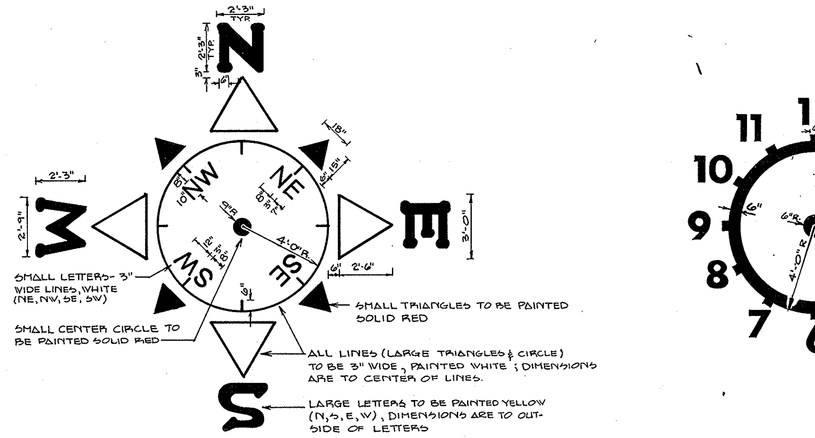
SCALE: 1 1/2" = 1'0"



NOTE: EXTEND ½" BIT. EXP. JT. IN WALK THRU CURB - MAX. 30' O.C.

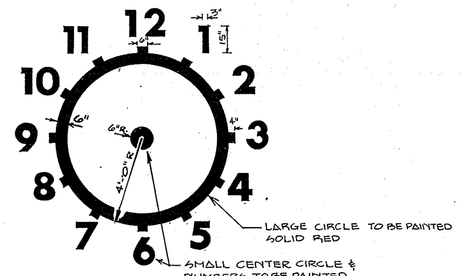
SECTION 10

SCALE: 3/4" = 1'-0"



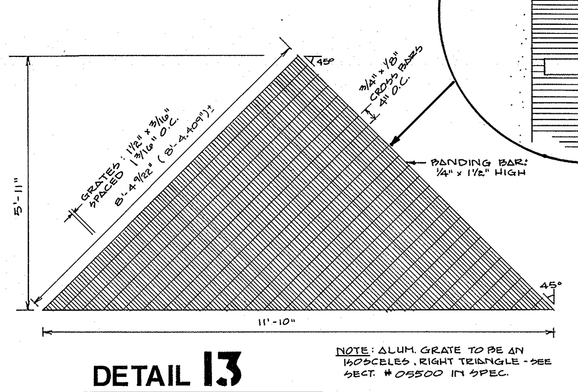
COMPASS LAYOUT 11

1/4" = 1'-0"



CLOCK LAYOUT 12

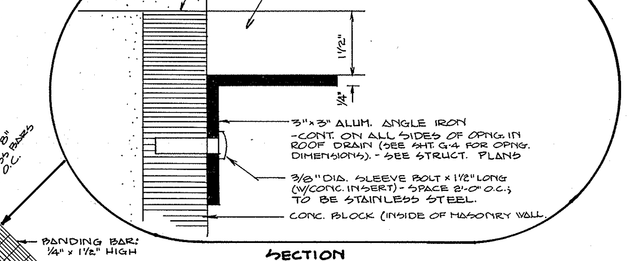
1/4" = 1'-0"



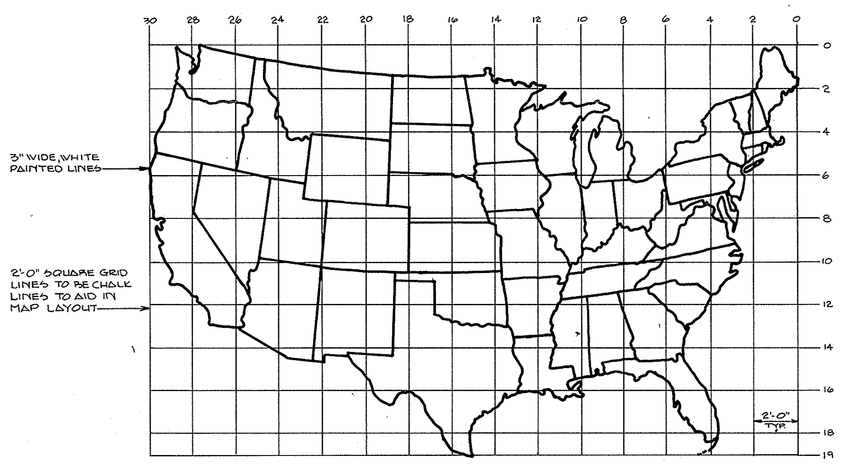
NOTE: ALUM. GRATE TO BE AN ISOSCELES, RIGHT TRIANGLE - SEE SECT. # 09500 IN SPEC.

DETAIL 13

SCALE: 1/2" = 1'-0"

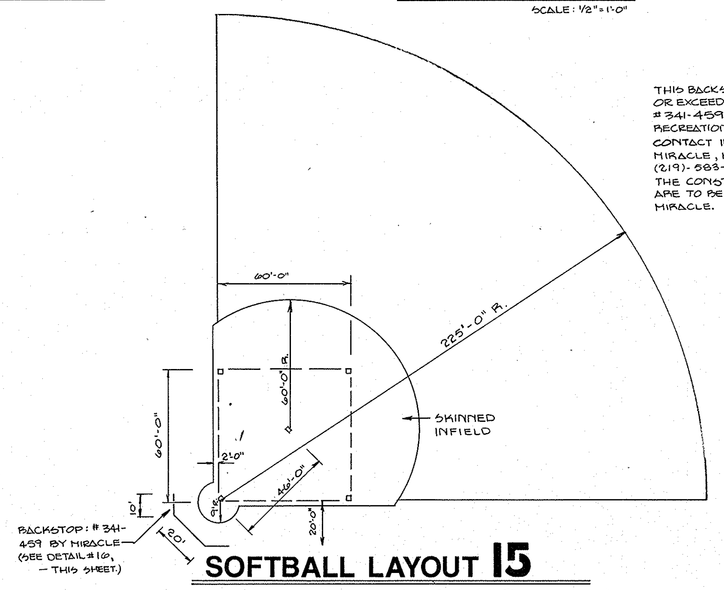


SECTION
½" = 1'



ENLARGED MAP LAYOUT 14

SCALE: 1/4" = 1'-0"

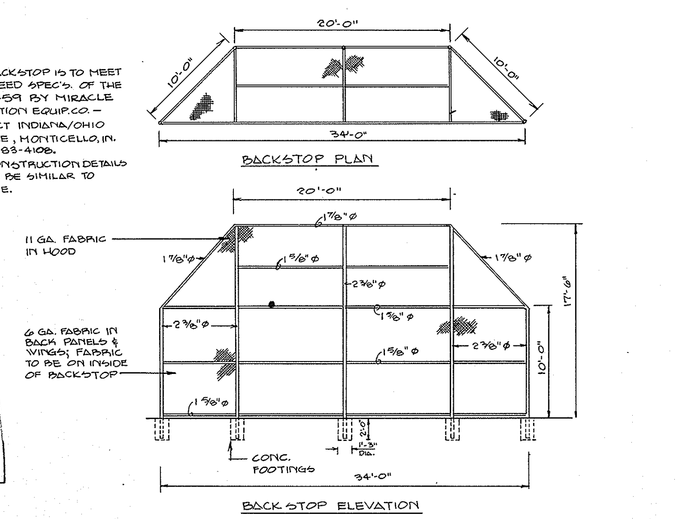


BACKSTOP: # 341-459 BY MIRACLE (SEE DETAIL #16, - THIS SHEET)

SOFTBALL LAYOUT 15

SCALE: 1" = 40'-0"

THIS BACKSTOP IS TO MEET OR EXCEED SPEC'S. OF THE # 341-459 BY MIRACLE RECREATION EQUIP. CO. - CONTACT: INDIANA/OHIO MIRACLE, MONTICELLO, IN. (219) - 583-4108. THE CONSTRUCTION DETAILS ARE TO BE SIMILAR TO MIRACLE.



BACKSTOP PLAN/ELEVATION 16

1/8" = 1'-0"

SECTIONS & DETAILS

SCALE AS NOTED

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JAMES K. PERKINS 7-7-80 No. L0083 STATE OF INDIANA LANDSCAPE ARCHITECT

LEE BROCKWAY REGISTERED No. 3666 STATE OF INDIANA ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

SECTIONS & DETAILS

DRAWN BY: COMM. NO.: 8712.00
CHECKED BY: DATE:

REVISIONS NO. DATE

G-7

HARRIS TOWNSHIP ELEMENTARY SCHOOL

PROPERTY LINE

PROPOSED 40' R.O.W.

SCHOOL SIGN (SEE DRWG. AT RIGHT)

BASE BID: LAWN (SEEDED)

5 MSN

5 MP

3 AR

5 CP

6 AP

3 GP

4 AC

HOUSE

EXISTING 24" RCP

36" PSD

40" PSD

5 FSH

3 AR

5 MSN

LAWN (SEEDED)

BASE BID: LAWN (SEEDED)

1 MAP

80'-0"

2 MSN

1 MSN

2 MSN

LAWN (SEEDED)

BASE BID: 46 - 5BG (NOTE: IF ALTWALK IS ACCEPTED, DEDUCT 11 5BG)

43 - 5BG (3' O.C.)

BASE BID IRRIGATION AREA

BASE BID: LAWN (SEEDED)

12 PSH

9 PN

FENCE TO LIMIT OF SEEDING

300'-0"

1 QP

4 AC

SEE SHT. G-1 FOR GATE LOCATION

3 FSH

3 DG

BASE BID: LAWN (SEEDED)

ALTERNATE IRRIGATION AREA

NOTE: ALT. NO. 9: DELETE IRRIGATION SYSTEM IN "ALTERNATE IRRIGATION AREA"

4 MP

3 AR

4 APG

3 MSN

3 DG

32'

25'

1 ① 2½" COPPER TO BE USED FOR IRRIGATION MIN. 100 GPM, 40 PSI

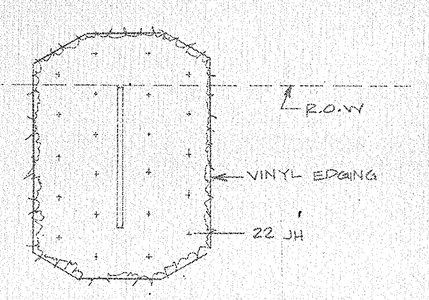
2 ② 2½" COPPER FOR POND LEVEL CONTROL MIN. 100 GPM, 40 PSI

NOTE: ONLY ½ CIRCLE ROTARY LOCATED ADJACENT TO BLDG., CURB & EDGE OF PAVEMENT THE HEADS SHALL BE LOCATED IN SUCH MANNER AS TO NOT SPRAY ONTO BUILDING & PAVED AREAS.

IRRIGATION BASE BID LIMIT LINE TO FOLLOW FENCE LINE

NOTE: ALL LAWN AREAS ARE TO BE SEEDED

IRRIGATION ALT. LIMIT LINE TO FOLLOW FENCE LINE



SCHOOL IDENTIFICATION SIGN

SCALE: 1/8" = 1'0"

IRRIGATION PLAN

SCALE 1" = 30'-0"

NORTH

FANNING/HOWEY ASSOCIATES, Inc.

ARCHITECTS / ENGINEERS / CONSULTANTS

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

JAMES K. PERKINS 7-1-87 No. L0083 STATE OF INDIANA LANDSCAPE ARCHITECT

LEE BROCKWAY REGISTERED No. 10608 STATE OF INDIANA ARCHITECT

IRRIGATION PLAN

DRAWN BY:
CHECKED BY: JKP
COMM. NO.: 8712.00
DATE: , 1987

REVISIONS NO. DATE

G-8

BRICK ROAD

ENVIRONMENTAL EDUCATION CENTER

92-CA, 13-CA, 10-RA, 7-SM, 8-EAC, 18-RAG, 16-SBG, 8-CHM, 3-SC, 7-RO, 5-VTC, 9-SM, 8-SBG, 26-SBG, SEAC LAWN, 3-VTC, 7-TMV, BULBS BY OWNER, 1-CFF, 5-WF, 1-JV, 930-VM (10'O.C.) (SEE SHADED AREA), 3-EAC, 3-SM, 9-SBG, 8-CR, 281-VM (8'O.C.) (SEE SHADED AREA), 12-PP, 4-SM, 3-DX, 1-MS, 34-PF, 5-VTC, 3-SM, 12-CA, 4-VPT, 146-VM (8'O.C.) (SEE SHADED AREA), 6-CS, 1-MSN, 3-PS, 2-MP, 76-LX, 30-LX, 4-CHM, 4-AC, 3-VF, 6-CR, 5-RA, 7-VPT, 8-MPP, 25-SOO, 22-PF, LAWN, ALT. NO. 14, ALT. NO. 12

ALT. NO. 12 : DELETE ALL PLANTINGS IN ENVIRON. ED. AREA (INCLUDES LAWN, PRAIRIE GRASS, TREES, SHRUBS.)

UPPER POND ELEV. 794.0 (5/G-9)

PRAIRIE GRASS

NOTE:
ALL PLANTING BEDS AROUND ENVIRONMENTAL EDUCATION CTR. ARE TO HAVE 3" DEEP SHREDDED BARK MULCH.

ALT. NO. 14 : DELETE ALL PLANTINGS-IN ENVIRON. ED. CTR. AREA (INCLUDES LAWN, TREES, SHRUBS & GR. COVER)

NOTE:
SEE SHT. G-10 FOR MASTER PLANT LIST.

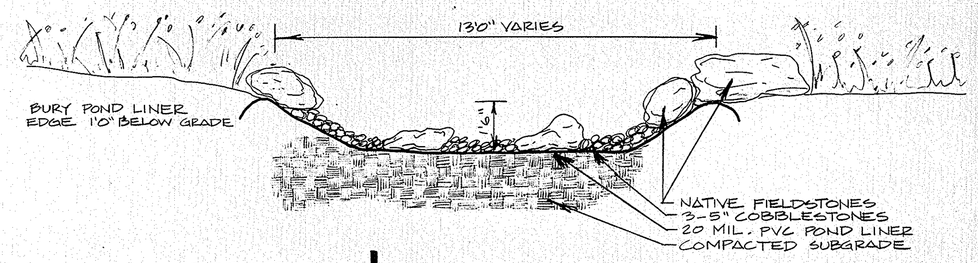
2-CO, 9-ARR, 5-QM, 6-ARR, 5-AC, 4-GPP, LAWN, 8-BN, 11-SA, 6-AC, 8-SA, 7-CS, 20-VC, 15-CS, 125 L.F. 6"ϕ DISCHARGE PIPE, 17-VL, 8-AC, 170'-0", MANHOLE RIM EL. 793.4 SEE SEC. 3 THIS SHT., LOWER POND ELEV. 791.0, 4-FA, 10-CM, 24-HV, 3-QM, 9-SA, 26-CS, 3-QA, 12-VL, 5-PSS, 123 L.F. 8"ϕ SUCTION PIPE, 7-BN, 6-BN, 5-CC, 2-CO, 2-QRR, 8-CM, 3-AS, LOWER POND, 20-SA, 24-AC, 2-FA, 8 FT. WIDE PATH W/4" SHREDDED BARK, COMP., 5-PV, 3-QA, 4-CM, 27-HV, 1-ARR, 13-HV, 4-QA

MATCH LINE (SEE SHT. G-10)

NORTH HALF: ENVIRONMENTAL EDUCATION AREA

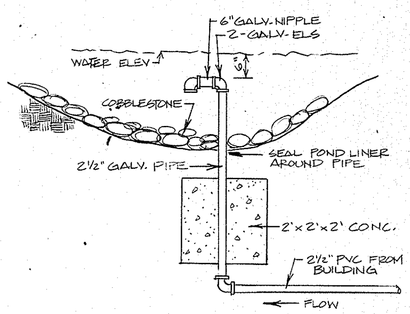
SCALE: 1"=20'-0"

NORTH



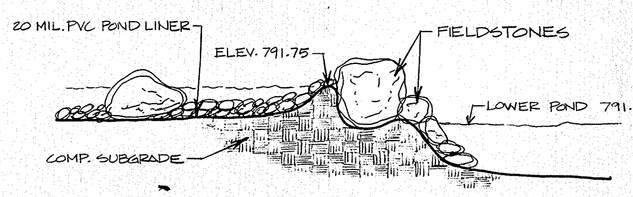
SECTION 1

SCALE: 3/8"=1'0"



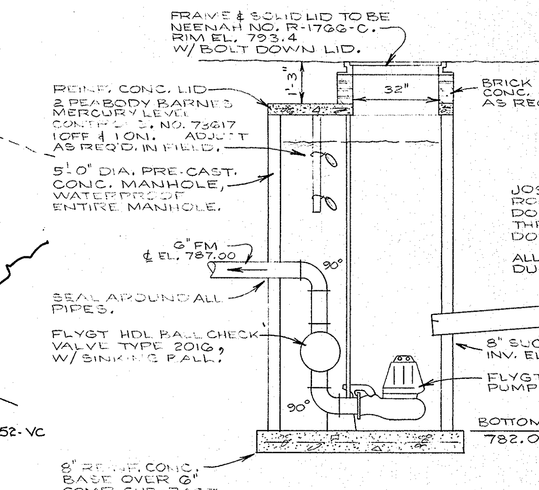
DETAIL 6

SCALE: 1/2"=1'0"



SECTION 2

SCALE: 3/8"=1'0"

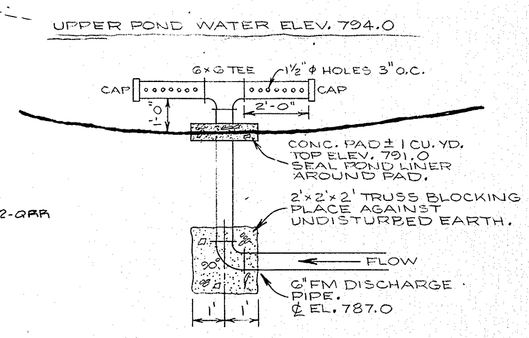


SECTION 3

SCALE: 3/8"=1'-0"

DETAIL 4

SCALE: 3/8"=1'-0"



DETAIL 5

SCALE: 3/8"=1'-0"

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A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
[illegible]-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

JAMES K. PERRY, 7-1-82, No. LD093, STATE OF INDIANA, LANDSCAPE ARCHITECT

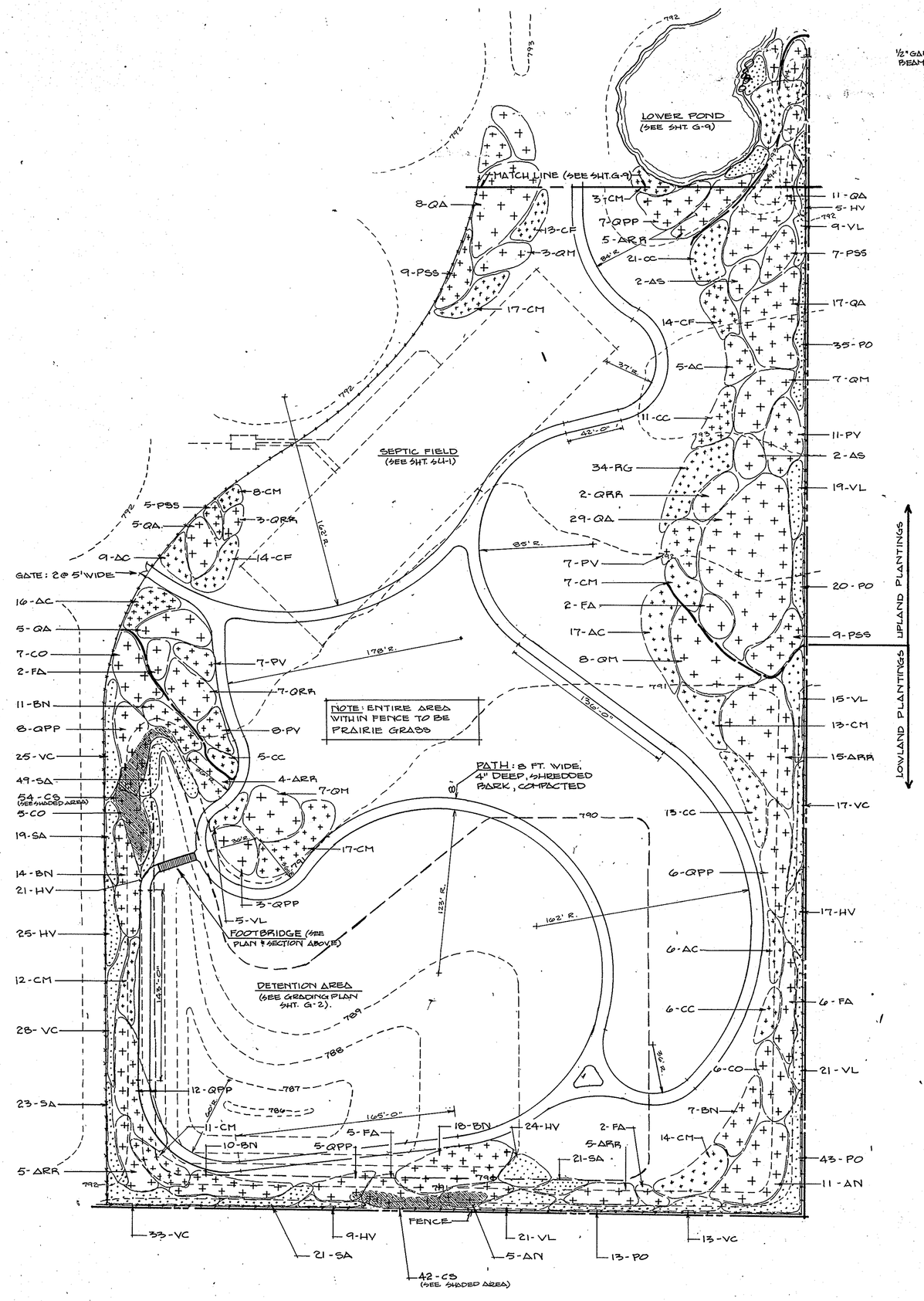
LEE BROCKWAY, REGISTERED, No. 10886, STATE OF INDIANA, ARCHITECT

NORTH HALF: ENVIRONMENTAL EDUCATION AREA

DRAWN BY:
CHECKED BY:
COMM. NO.: 8712.00
DATE: , 1987

REVISIONS NO. DATE

G-9

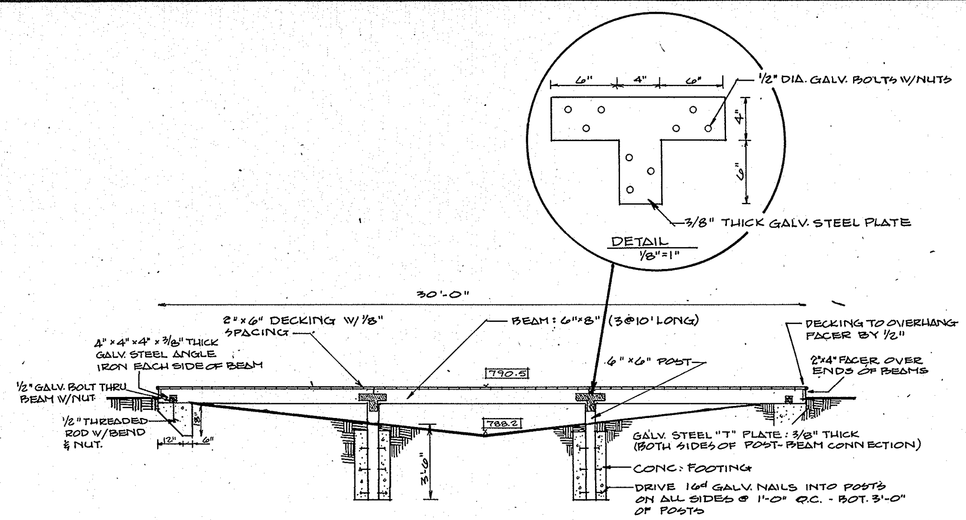


SOUTH HALF: ENVIRONMENTAL EDUCATION AREA

SCALE: 1"=50'-0"

NOTE:
ALT. NO. 12 - DELETE ALL PLANTINGS IN ENVIRONMENTAL EDUCATION AREA. (PRAIRIE GRASS, TREES & SHRUBS); DELETE SHREDDED BARK PATH & BRIDGE

NORTH

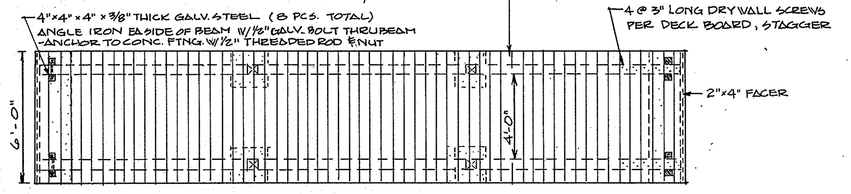


NOTE

1. ALL LUMBER TO BE PRES. TREATED SO. YEL. PINE

SECTION: FOOTBRIDGE

1/4"=1'-0"

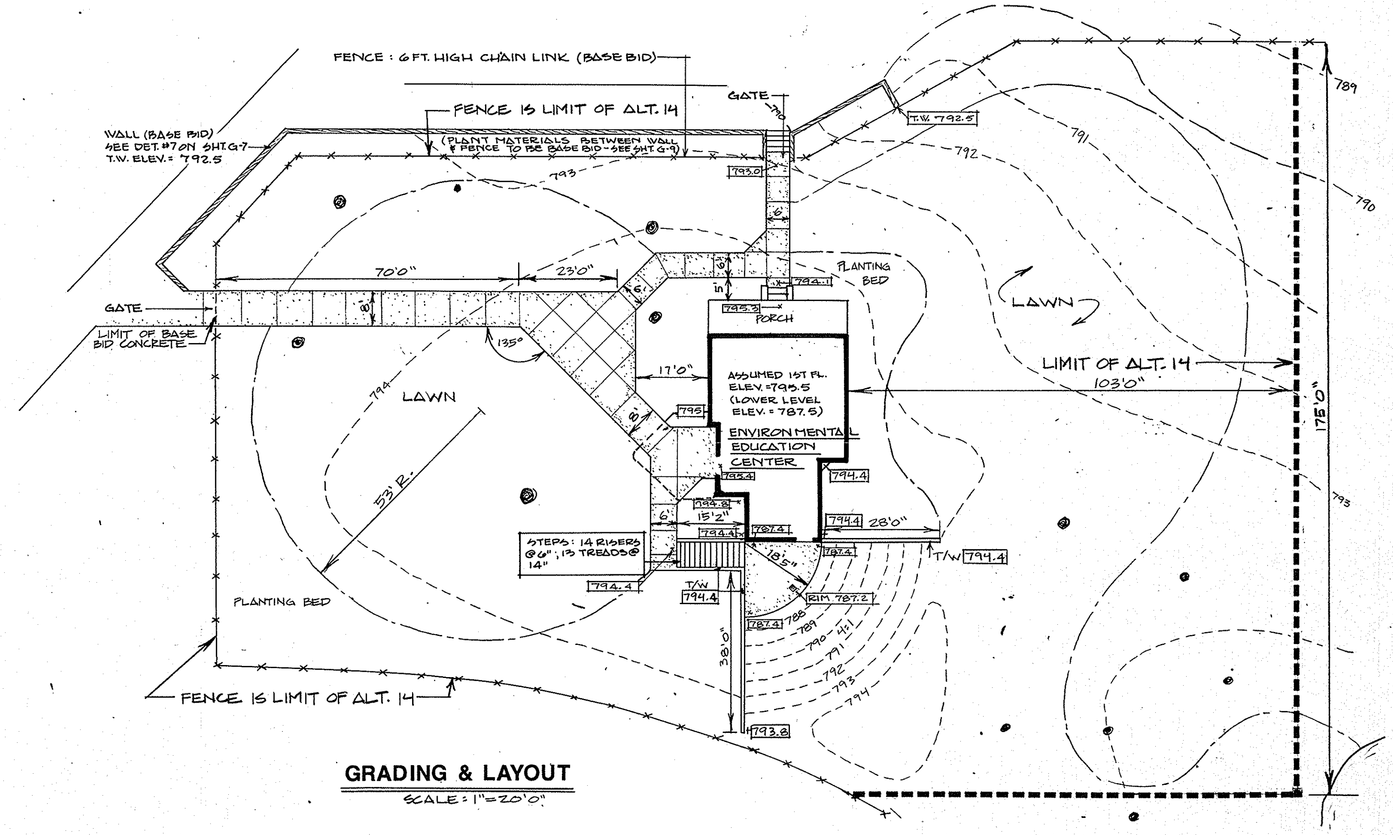


PLAN: FOOTBRIDGE

1/4" = 1'-0"

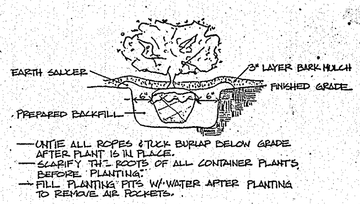
KEY	SIZE	TOTAL QTY BASE BID	ALT. 8 DEDUCT	ALT. 10 DEDUCT	ALT. 12 DEDUCT	ALT. 14 DEDUCT	ALT. 16 DEDUCT	ALT. 24 DEDUCT	BOTANICAL NAME	COMMON NAME	COMMENTS
AN	5-6"	20			20				Acer Nigrum	Black Maple	Whip
AR	3" Cal	24							Acer Rubrum 'Red Sunset'	Red Sunset Maple	*Matched B&B
ARS	2" Cal	9						9	Acer Rubrum 'Red Sunset'	Red Sunset Maple	B&B
ARR	5-6'	46			46				Acer Rubrum	Red Maple	Whip
AS	5-6'	7			7				Acer Saccharum	Sugar Maple	Whip
AC	5'	85	4		77				Amelanchier Canadensis	Shadblow Serviceberry	B&B, Clump
BN	5-6'	78			78				Betula Nigra	Riverbirch	Branched Whip, clump
CO	6'	22			22				Celtis Occidentalis	Hackberry	Branched Whip
CC	5-6'	61			61				Cercis Canadensis	Eastern Redbud	Branched Whip
CFF	2" Cal	1				1			Cornus Florida	Flowering Dogwood	B&B
CF	5'	42			42				Cornus Florida	Flowering Dogwood	B&B
CMH	2'	12				12			Cornus Mas	Cornelian Cherry	B.R.
CR	2'	14				14			Cornus Racemosa	Gray Dogwood	B.R.
CS	2'	149			143	6			Cornus Stolonifera	Red Osier Dogwood	B.R.
CA	15-18"	248				12			Cotoneaster Apiculata	Cranberry Cotoneaster	Cont.
CH	5'	124			124				Crataegus Hollis	Downy Hawthorn	B&B
CP	2"Cal	5							Crataegus Phaenopyrum	Washington Hawthorn	B&B
EAC	30"	32				13			Euonymus A. Compacta	Compact Burning Bush	B&B or Cont.
FA	6-8'	23			23				Fraxinus Americana	White Ash	Branched Whip
FAA	3"Cal	10							Fraxinus A. 'Autumn Applause'	Autumn Applause Ash	*Matched B&B
FEH	3" Cal	10							Fraxinus Excelsior 'Hessei'	Hessei Ash	*Matched B&B
HV	18"-24"	165			165				Hamamelis Virginiana	Witchhazel	B.R.
JH	18"-24"	337							Juniperus Horizontalis 'Prince of Wales'	Prince of Wales Juniper	B&B
JV	4'	1				1			Juniperus Virginiana 'Canaertii'	Red Cedar	B&B
LX	18"	111							Lonicera x Xylosteum 'Emerald Hound'	Emerald Hound Honeysuckle	B.R or Cont.
MC	2-1/2"Cal	3							Malus 'Centurion'	Centurion Flr Crabtree	*Matched B&B
MP	2" Cal	22				2		4	Malus 'Profusion'	Profusion Flr Crabtree	B&B
MS	2" Cal	2				1			Malus 'Sargenti'	Sargent Flr Crabtree	B&B
MSN	2" Cal	28		1		2		6	Malus 'Snowdrift'	Snowdrift Flr Crabtree	B&B
MPP	15"	8			5	3			Myrica Pennsylvania	Bayberry	2 gs. cont.
PO	2-3'	115			115				Physocarpos Opulifolius 'Nanus'	Ninebark	B.R.
PGD	5-6'	82					46		Picea Glauca 'Densata'	Black Hill Spruce	B&B
PN	5-6'	21						21	Pinus Nigra	Austrian Pine	B&B
PS	5'	3				3			Pinus Strobus	White Pine	B&B
PF	18"	68				68			Potentilla Fruticosa 'Golddrop'	Golddrop Potentilla	Cont. B&B
PSS	4'	35			35				Prunus Serotina	Black Cherry	Branched Whip

KEY	SIZE	TOTAL QTY BASE BID	ALT. 8 DEDUCT	ALT. 10 DEDUCT	ALT. 12 DEDUCT	ALT. 14 DEDUCT	ALT. 16 DEDUCT	ALT. 24 DEDUCT	BOTANICAL NAME	COMMON NAME	COMMENTS
PV	4'	38			38				Prunus Virginiana	Common Chokecherry	Branched Whip
PC	3"Cal	8							Pyrus C. 'Bradford'	Bradford Pear	*Matched B&B
QA	5'	85			85				Quercus Alba	White Oak	Branched Whip
QM	5'	33			33				Quercus Macrocarpa	Bur Oak	Branched Whip
QP	3" Cal	23	1						Quercus Palustris	Pin Oak	*Matched B&B
QPP	5'	44			44				Quercus Palustris	Pin Oak	Branched Whip
QR	2" Cal	16						16	Quercus Rubra	Red Oak	B&B
QRR	5'	14			14				Quercus Rubra	Red Oak	Branched Whip
RAG	15-18"	42				18			Rhus Aromatica 'Gro-low'	Gro-low Sumac	Cont.
RG	3'	34			34				Rhus Glabra	Smooth Sumac	B.R.
RA	18"	15				15			Ribes Alpinum	Alpine Currant	B.R.
RO	18"	7				7			Ribes Odoratum	Clove Currant	B.R.
SC	2'	3				3			Sambucus Canadensis	American Elder	B.R. or Cont.
SO	3-1/2"-4" Cal	1							Specimen Ornamental	----------	B&B(1500 allowance)
SBG	15"	208		99		59			Spiraea x Bumalda 'Goldflame'	Goldflame Spirea	Cont.
SA	2'	177			177				Symphoricarpos Albus	Common Snowberry	B.R.
SH	2'	55				55			Syringa Meyeri 'Miss Kim'	Miss Kim Lilac	B.R.
SOO	18"	25				25			Symphoricarpos Orbiculatus	Coralberry	B.R.
TMH	18"	64				14			Taxus Media 'Hardi'	Hard's Yew	B&B
VC	18-24"	188			188				Vaccinium Cdrymbosum	Highbush Blueberry	B.R.
VD	2'	147	147						Viburnum Dentatum	Arrow Wood Viburnum	B.R.
VL	2-3'	104			104				Viburnum Lentago	Nannyberry	B.R.
VPT	3'	80				11			Viburnum Plicatum Tomentosum	Double File Viburnum	B&B
VTC	2'	15				15			Viburnum Trilobum 'Compactum'	Compact American Cranberry Bush	B&B
VT	2'	59	59						Viburnum Trilobum	American Cranberry Bush	B.R.
VM	2-1/4"	1527			1527				Vinca Minor	Myrtle	Peat Pot
WF	2'	8				8			Weigelia Florida 'Pink Princess'	Pink Princess Weigelia	B.R.

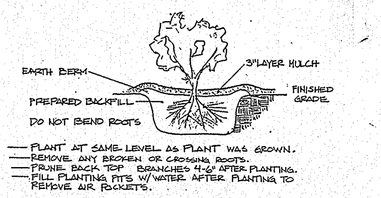


GRADING & LAYOUT

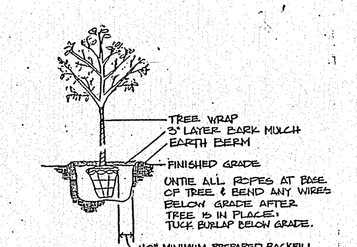
SCALE: 1"=20'0"



SHRUB PLANTING DETAIL



BARE ROOT SHRUB PLANTING



TREE PLANTING DETAIL

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JAMES K. PERKINS — No. L0083 — STATE OF INDIANA — LANDSCAPE ARCHITECT — 7-1-89

LEE BROOKS HENDRICKS — No. A0666 — STATE OF INDIANA — ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

SOUTH HALF: ENVIRONMENTAL EDUCATION AREA

DRAWN BY: S.F N.C. COMM. NO.: 8712.00
CHECKED BY: DATE:

REVISIONS NO. DATE

G-10

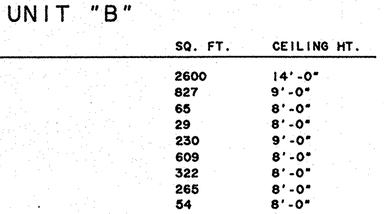
HARRIS TOWNSHIP ELEMENTARY SCHOOL

ROOM LEGEND UNIT "B"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
B1	DINING	2600	14'-0"
B2	KITCHEN	827	9'-0"
B3	TOILET	65	8'-0"
B4	JANITOR	29	8'-0"
B5	DISHWASHING	230	9'-0"
B6	STORAGE	609	8'-0"
B7	STORAGE	322	8'-0"
B8	STORAGE	265	8'-0"
B9	STAIRS	54	8'-0"
B10	CORRIDOR	362	9'-4"
B11	VESTIBULE	100	8'-0"
B12	CLASSROOM	900	7'-4" & 9'-4"
B13	CLASSROOM	906	7'-4" & 9'-4"
B14	CLASSROOM	900	7'-4" & 9'-4"
B15	CLASSROOM	906	7'-4" & 9'-4"
B16	EXTENDED LEARNING	1038	7'-4" & VARIES
B17	CLASSROOM	900	7'-4" & 9'-4"
B18	CORRIDOR	202	9'-4"
B19	CLASSROOM	900	7'-4" & 9'-4"
B20	CLASSROOM	906	7'-4" & 9'-4"
B21	CLASSROOM	900	7'-4" & 9'-4"
B22	CLASSROOM	906	7'-4" & 9'-4"
B23	CLASSROOM	905	7'-4" & 9'-4"
B24	CLASSROOM	905	7'-4" & 9'-4"
B25	CLASSROOM	906	7'-4" & 9'-4"
B26	CLASSROOM	900	7'-4" & 9'-4"
B27	CLASSROOM	906	7'-4" & 9'-4"
B28	CLASSROOM	900	7'-4" & 9'-4"
B29	CORRIDOR	488	9'-4"
B30	COAT STORAGE	309	8'-0"
B31	GIRLS' TOILET	136	8'-0"
B32	BOYS' TOILET	136	8'-0"
B33	EXTENDED LEARNING	1038	7'-4" & VARIES
B34	COAT STORAGE	195	8'-0"
B35	JANITOR	54	8'-0"
B36	CORRIDOR	534	9'-4"
B37	OFFICE	288	8'-0"
B38	INSTRUCTIONAL MATERIALS CENTER	2097	VARIES
B39	NOT USED		
B40	A\V STORAGE	253	8'-0"
B41	SPEECH & HEARING	150	8'-0"
B42	INFORMATION	120	8'-0"
B43	WOMENS' TOILET	108	8'-0"
B44	MENS' TOILET	108	8'-0"
B45	JANITOR	81	8'-0"
B46	READING AREA	64	VARIES
B47	CORRIDOR	662	9'-4"
B48	CORRIDOR	753	9'-4"
B49	GYM OFFICE	109	8'-0"
B50	STORAGE	218	8'-0"
B51	GIFTED & TALENTED	675	7'-4" & 9'-4"
B52	JANITOR	59	8'-0"
B53	COAT STORAGE	195	8'-0"
B54	EXTENDED LEARNING	1045	7'-4" & VARIES
B55	BOYS' TOILET	100	8'-0"
B56	GIRLS' TOILET	100	8'-0"
B57	COAT STORAGE	309	8'-0"
B58	CORRIDOR	832	9'-4"
B59	STORAGE	167	8'-0"
B60	LOCKERS	148	9'-0"
B61	DRYING	28	9'-0"
B62	SHOWER	60	9'-0"
B63	SHOWER	60	9'-0"
B64	DRYING	28	9'-0"
B65	LOCKERS	148	9'-0"
B66	JANITOR	32	8'-0"
B67	CONFERENCE	151	8'-0"
B68	COAT STORAGE	309	8'-0"
B69	GIRLS' TOILET	104	8'-0"
B70	BOYS' TOILET	104	8'-0"
B71	COAT STORAGE	280	8'-0"
B72	GYMNASIUM	5200	VARIES.
B73	TOILET	134	8'-0"
B74	TOILET	134	8'-0"
B75	ELECTRICAL	25	8'-0"
B76	ELECTRICAL	25	8'-0"
B77	MECHANICAL MEZZANINE	984	9'-0"
B78	ELECTRICAL	187	9'-0"

2 HOUR FIRE SEPARATION AREAS

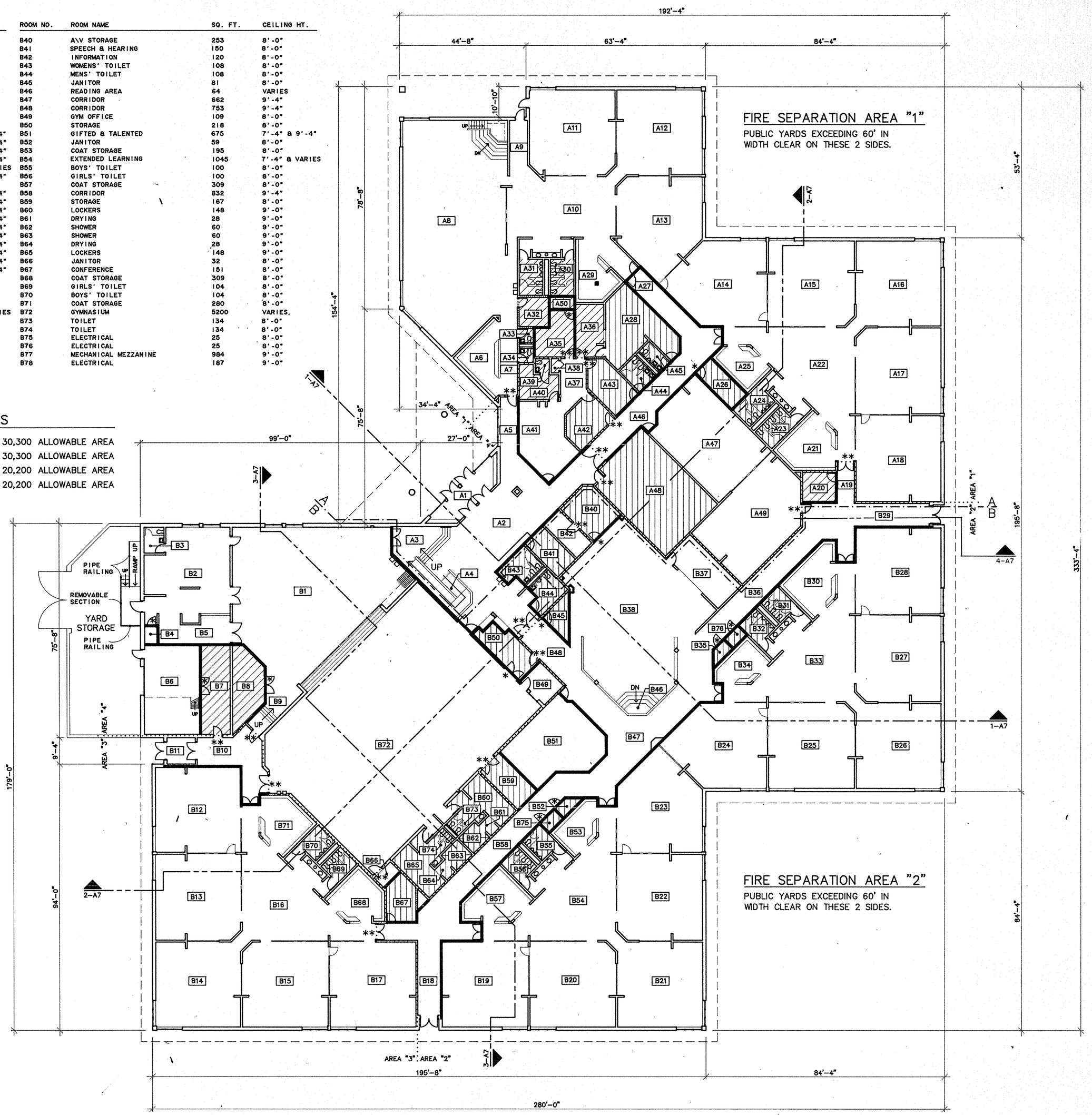
20,735 SQ.FT.	FIRE SEPARATION AREA "1"	30,300 ALLOWABLE AREA
21,560 SQ.FT.	FIRE SEPARATION AREA "2"	30,300 ALLOWABLE AREA
7,478 SQ.FT.	FIRE SEPARATION AREA "3"	20,200 ALLOWABLE AREA
16,495 SQ.FT.	FIRE SEPARATION AREA "4"	20,200 ALLOWABLE AREA



MECHANICAL MEZZANINE PLAN

BUILDING AREA

42,231 SQ.FT.	FLOOR PLAN UNIT "A"
24,037 SQ.FT.	FLOOR PLAN UNIT "B"
66,268 SQ.FT.	TOTAL GROSS AREA
1,181 SQ.FT.	MECHANICAL MEZZANINE



ROOM LEGEND UNIT "A"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
A1	VESTIBULE	243	8'-0"
A2	ENTRY	483	VARIES
A3	PLATFORM	123	VARIES
A4	RAMP	180	VARIES
A5	CORRIDOR	176	10'-0"
A6	COAT STORAGE	249	8'-0"
A7	CORRIDOR	176	7'-4"
A8	KINDERGARTEN	2815	7'-4" & VARIES
A9	CORRIDOR	120	7'-4"
A10	EXTENDED LEARNING	1038	7'-4" & 9'-4"
A11	CLASSROOM	900	7'-4" & 9'-4"
A12	CLASSROOM	906	7'-4" & 9'-4"
A13	CLASSROOM	905	7'-4" & 9'-4"
A14	CLASSROOM	905	7'-4" & 9'-4"
A15	CLASSROOM	906	7'-4" & 9'-4"
A16	CLASSROOM	900	7'-4" & 9'-4"
A17	CLASSROOM	906	7'-4" & 9'-4"
A18	CLASSROOM	900	7'-4" & 9'-4"
A19	CORRIDOR	90	9'-4"
A20	CONFERENCE	127	8'-0"
A21	COAT STORAGE	309	8'-0"
A22	EXTENDED LEARNING	908	7'-4" & VARIES
A23	GIRLS' TOILET	132	8'-0"
A24	BOYS' TOILET	132	8'-0"
A25	COAT STORAGE	195	8'-0"
A26	JANITOR	126	8'-0"
A27	CORRIDOR	427	9'-4"
A28	TEACHERS' LOUNGE	444	8'-0"
A29	COAT STORAGE	230	8'-0"
A30	GIRLS' TOILET	128	8'-0"
A31	BOYS' TOILET	128	8'-0"
A32	CONFERENCE	67	8'-0"
A33	TOILET	25	8'-0"
A34	TOILET	25	8'-0"
A35	STORAGE	198	8'-0"
A36	WORK ROOM	215	8'-0"
A37	CORRIDOR	150	8'-0"
A38	CLOSET	13	8'-0"
A39	TOILET	25	8'-0"
A40	HEALTH	140	8'-0"
A41	RECEPTION	420	8'-0"
A42	PRINCIPAL	189	8'-0"
A43	CONFERENCE	208	8'-0"
A44	WOMENS' TOILET	88	8'-0"
A45	MENS' TOILET	55	8'-0"
A46	CORRIDOR	560	9'-4"
A47	PROJECT ACTIVITY	966	VARIES
A48	MUSIC	955	10'-0"
A49	PROJECT ACTIVITY	960	VARIES
A50	ELECTRICAL	32	8'-0"

GENERAL NOTES

1. BUILDING CONSTRUCTION IS TYPE II – 1 HOUR, OCCUPANCY TYPE E1. ALL ABOVE INFORMATION IS BASED ON THE UNIFORM BUILDING CODE – INDIANA EDITION.
2. WATERPROOFING SHALL OCCUR ON ALL EXTERIOR WALLS AND INTERIOR WALLS WHERE GRADE OR COMPACTED FILL IS HIGHER THAN FLOOR LEVEL AND SHALL BE CONTINUOUS FROM GRADE LEVEL OR CONCRETE SLAB DOWN TO BOTTOM OF FOOTING ON SOIL SIDE OF WALL. SEE SPEC. SECTION 07120.
3. THERE SHALL BE PERIMETER INSULATION CONTINUOUS AROUND THE ENTIRE PERIMETER OF THE BUILDING. PERIMETER INSULATION TO EXTEND FROM 2" BELOW GRADE TO TOP OF FOOTING ON THE EXTERIOR WHERE GRADE IS ABOVE FLOOR LEVEL AND EXTEND BELOW FLOOR SLAB TO TOP OF FOOTING ON THE INTERIOR WHERE GRADE IS BELOW FLOOR LEVEL. WHERE THESE TWO (2) CONDITIONS MEET, THEY SHOULD BE OVERLAPPED A MINIMUM OF 2'-0".
4. ALL INTERIOR CMU TO BE STACK BOND AND EXTEND A MINIMUM OF 4" ABOVE HIGHEST CEILING.
5. ALL WALL THICKNESSES INDICATED ARE NOMINAL DIMENSIONS.
6. WHERE DIFFERENT FLOOR MATERIALS MEET, THEY SHALL OCCUR UNDER CENTERLINE OF DOOR EXCEPT WHERE SHOWN OTHERWISE.
7. WALLS THAT DO NOT LAY OUT IN FULL OR HALF BLOCK LENGTHS, SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" EXPOSURE.
8. ALL INTERIOR MASONRY WALLS THAT RUN TO THE UNDERSIDE OF THE ROOF DECK SHALL HAVE JOINT AT THE DECK FILLED WITH MINERAL WOOL INSULATION TO ALLOW FOR DEFLECTION.
9. FOR TYPICAL CONTROL JOINTS, SEE DETAILS 2–A6, 3–A6, 4–A6, AND 5–A6. FOR TYPICAL BRICK EXPANSION JOINT, SEE DETAIL 1–A6.
10. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE RUBBED.
11. FINISH FLOOR ELEVATION 100'–0" AS INDICATED ON THE FLOOR PLAN IS 793.0' AS SHOWN ON THE SURVEY AND SITE DRAWINGS.
12. ALL INTERIOR FINISHES SHALL BE IN ACCORDANCE WITH CHAPTER 42, UBC, 1985.
13. ALL STEEL COLUMNS AND BEAMS, SHALL HAVE A 1–HOUR FIRE RESISTANT RATING.
14. ALL CEILINGS TO BE 1–HR RATED. SEE REFLECTED CEILING PLANS & TYPICAL LIGHT FIXTURE & DUCT OPENINGD DETAILS ON SHEET A–21.

WALL LEGEND

- INDICATES BOUNDARIES OF DIFFERENT UNITS IN BUILDING.
- INDICATES WALLS THAT ARE 2–HOUR RATED AREA SEPARATION WALLS THAT TERMINATE AT THE ROOF DECK AND EXTEND OUT TO EDGE OF ROOF OVERHANGS.
- INDICATES WALLS THAT ARE 1–HOUR RATED SEPARATION WALLS THAT RUN UP TO 4" ABOVE ADJACENT CEILINGS.
- INDICATES WALLS RUNNING TO UNDERSIDE OF ROOF DECK ABOVE.
- INDICATES WALLS THAT RUN A MINIMUM OF 4" ABOVE FINISH CEILING.
- INDICATES AREAS THAT ARE DESIGNATED TORNADO SAFTY AREAS.
- * INDICATES B–60 LABEL RATED DOOR AND FRAME.
- ** INDICATES B–90 LABEL RATED DOOR AND FRAME.

NOTE: ANY 2-HOUR, 1-HOUR, AND OTHER MASONRY WALLS THAT ARE REQUIRED TO RUN UP TO UNDERSIDE OF ROOF DECK, ARE TO EXTEND TO A MINIMUM OF 4" ABOVE THE HIGHEST CEILING. A GYPSUM WALLBOARD PARTITION WITH THE SAME FIRE-RATING SHALL EXTEND FROM TOP OF MASONRY WALL TO UNDERSIDE OF ROOF DECK.

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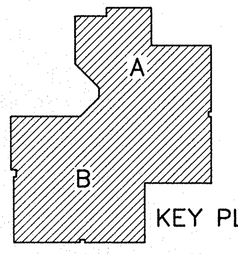
LEE BROCKWAY STANDARD No. 3866 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN–HARRIS–MADISON SCHOOL CORPORATION
GRANGER, INDIANA



KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

OVERALL FLOOR PLAN

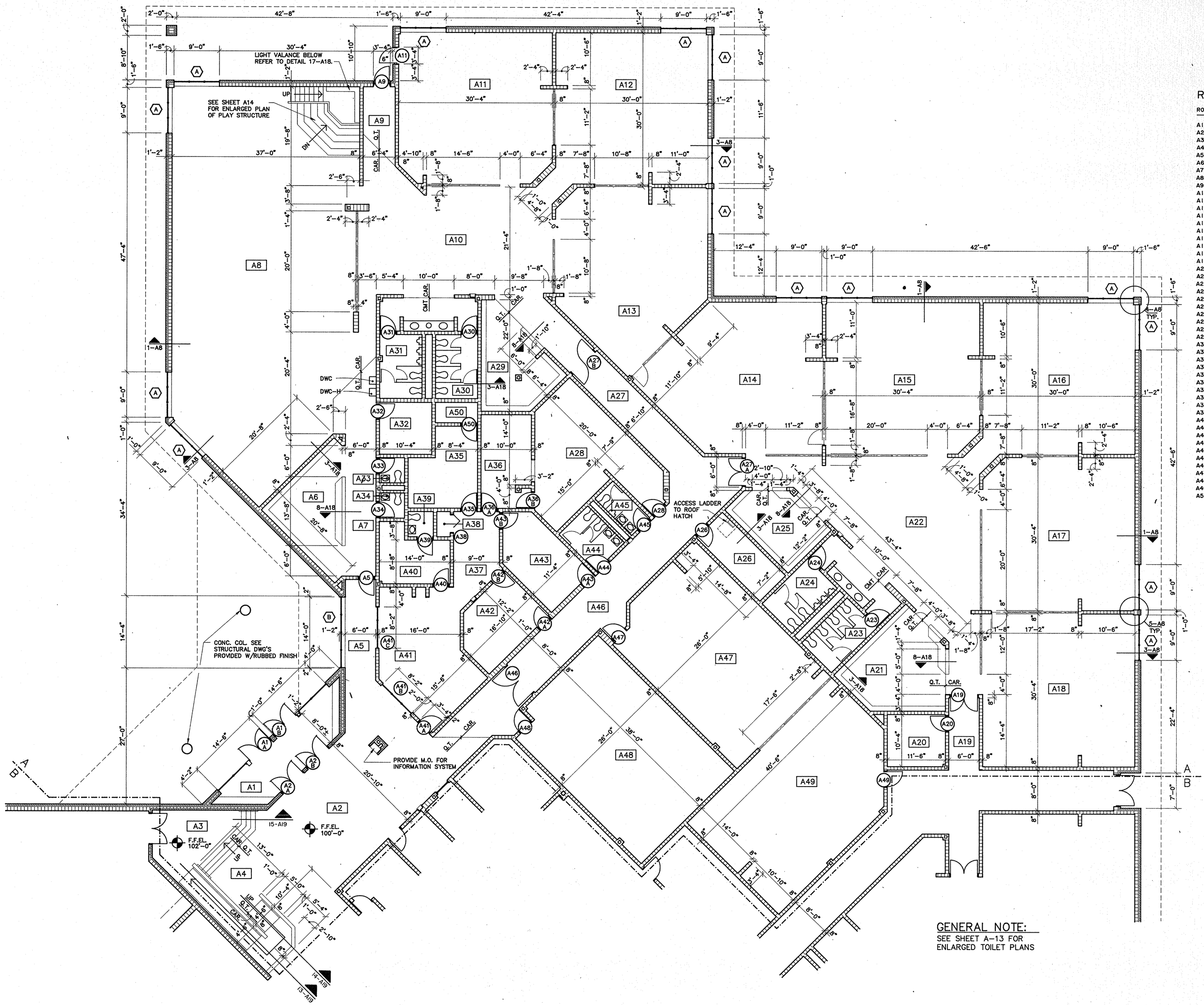
DRAWN BY: RGB COMM. NO.: 8712.00
CHECKED BY: JFS DATE: JAN. 11,1988

REVISIONS NO. DATE

A–1

HARRIS TOWNSHIP ELEMENTARY SCHOOL

22



ROOM LEGEND UNIT "A"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
A1	VESTIBULE	243	8'-0"
A2	ENTRY	483	VARIES
A3	PLATFORM	123	VARIES
A4	RAMP	180	VARIES
A5	CORRIDOR	176	10'-0"
A6	COAT STORAGE	249	8'-0"
A7	CORRIDOR	176	7'-4"
A8	KINDERGARTEN	2815	7'-4" & VARIES
A9	CORRIDOR	120	7'-4"
A10	EXTENDED LEARNING	1038	7'-0" & 9'-4"
A11	CLASSROOM	900	7'-4" & 9'-4"
A12	CLASSROOM	906	7'-4" & 9'-4"
A13	CLASSROOM	905	7'-4" & 9'-4"
A14	CLASSROOM	905	7'-4" & 9'-4"
A15	CLASSROOM	906	7'-4" & 9'-4"
A16	CLASSROOM	900	7'-4" & 9'-4"
A17	CLASSROOM	906	7'-4" & 9'-4"
A18	CLASSROOM	900	7'-4" & 9'-4"
A19	CORRIDOR	90	9'-4"
A20	CONFERENCE	127	8'-0"
A21	COAT STORAGE	309	8'-0"
A22	EXTENDED LEARNING	908	7'-4" & VARIES
A23	GIRLS' TOILET	132	8'-0"
A24	BOYS' TOILET	132	8'-0"
A25	COAT STORAGE	195	8'-0"
A26	JANITOR	126	8'-0"
A27	CORRIDOR	427	9'-4"
A28	TEACHERS' LOUNGE	444	8'-0"
A29	COAT STORAGE	230	8'-0"
A30	GIRLS' TOILET	128	8'-0"
A31	BOYS' TOILET	128	8'-0"
A32	CONFERENCE	67	8'-0"
A33	TOILET	25	8'-0"
A34	TOILET	25	8'-0"
A35	STORAGE	198	8'-0"
A36	WORK ROOM	215	8'-0"
A37	CORRIDOR	150	8'-0"
A38	CLOSET	13	8'-0"
A39	TOILET	25	8'-0"
A40	HEALTH	140	8'-0"
A41	RECEPTION	420	8'-0"
A42	PRINCIPAL	189	8'-0"
A43	CONFERENCE	208	8'-0"
A44	WOMENS' TOILET	88	8'-0"
A45	MENS' TOILET	55	8'-0"
A46	CORRIDOR	560	9'-4"
A47	PROJECT ACTIVITY	966	VARIES
A48	MUSIC	955	10'-0"
A49	PROJECT ACTIVITY	960	VARIES
A50	ELECTRICAL	32	8'-0"

GENERAL NOTE:
SEE SHEET A-13 FOR ENLARGED TOILET PLANS

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LEE BROCKWAY REGISTERED 9866 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

FLOOR PLAN UNIT "A"

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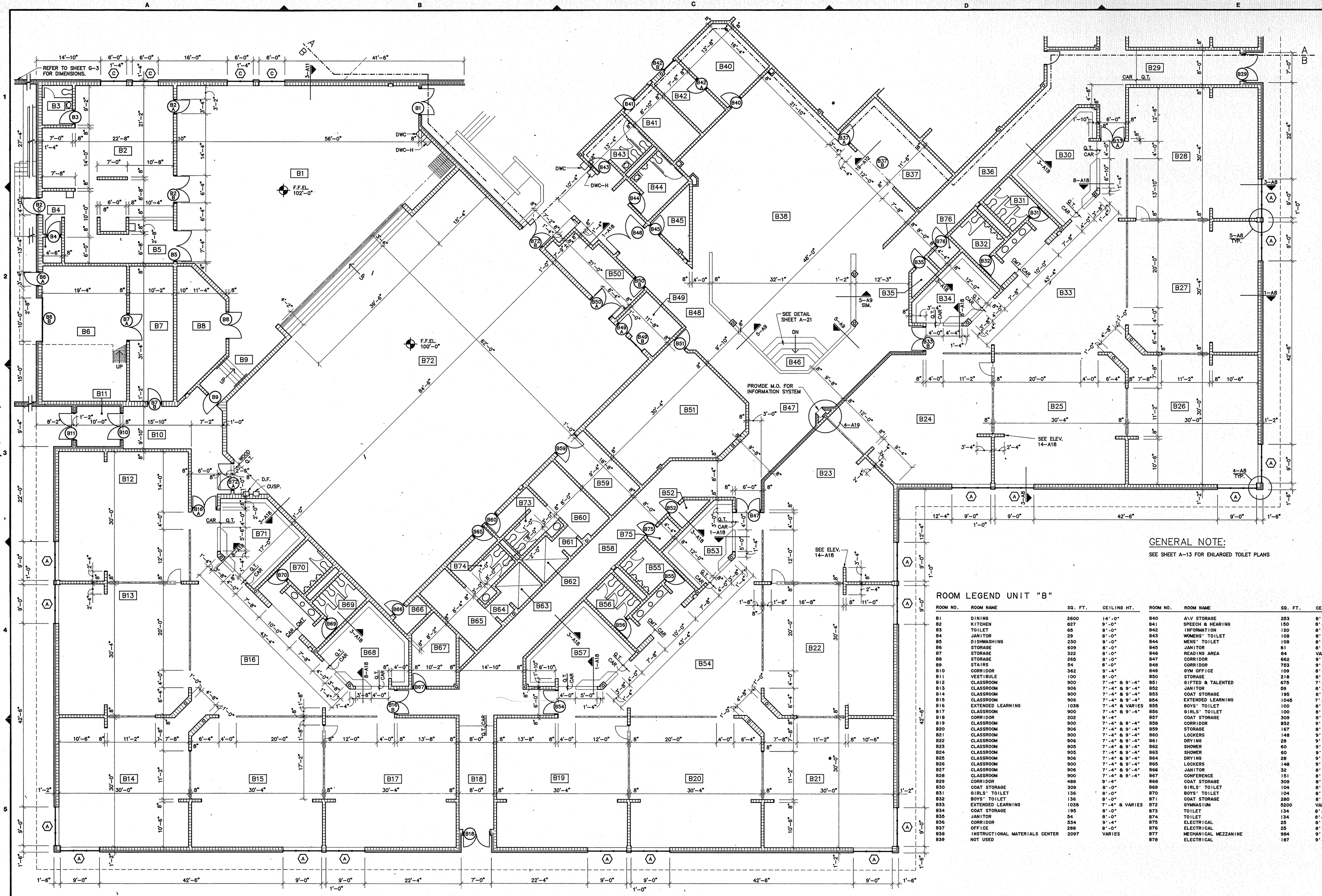
A-2

HARRIS TOWNSHIP ELEMENTARY SCHOOL



GENERAL NOTE:

SEE SHEET A-13 FOR ENLARGED TOILET PLANS

ROOM LEGEND UNIT "B"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
B1	DINING	2600	14'-0"
B2	KITCHEN	827	9'-0"
B3	TOILET	65	8'-0"
B4	JANITOR	29	8'-0"
B5	DISHWASHING	230	9'-0"
B6	STORAGE	609	8'-0"
B7	STORAGE	322	8'-0"
B8	STORAGE	265	8'-0"
B9	STAIRS	54	8'-0"
B10	CORRIDOR	362	9'-4"
B11	VESTIBULE	100	8'-0"
B12	CLASSROOM	900	7'-4" & 9'-4"
B13	CLASSROOM	906	7'-4" & 9'-4"
B14	CLASSROOM	900	7'-4" & 9'-4"
B15	CLASSROOM	905	7'-4" & 9'-4"
B16	EXTENDED LEARNING	1038	7'-4" & VARIES
B17	CLASSROOM	900	7'-4" & 9'-4"
B18	CORRIDOR	202	9'-4"
B19	CLASSROOM	900	7'-4" & 9'-4"
B20	CLASSROOM	906	7'-4" & 9'-4"
B21	CLASSROOM	900	7'-4" & 9'-4"
B22	CLASSROOM	906	7'-4" & 9'-4"
B23	CLASSROOM	905	7'-4" & 9'-4"
B24	CLASSROOM	906	7'-4" & 9'-4"
B25	CLASSROOM	900	7'-4" & 9'-4"
B26	CLASSROOM	906	7'-4" & 9'-4"
B27	CLASSROOM	900	7'-4" & 9'-4"
B28	CORRIDOR	488	9'-4"
B29	COAT STORAGE	309	8'-0"
B30	GIRLS' TOILET	136	8'-0"
B31	BOYS' TOILET	136	8'-0"
B32	EXTENDED LEARNING	1038	7'-4" & VARIES
B33	COAT STORAGE	195	8'-0"
B34	JANITOR	54	8'-0"
B35	CORRIDOR	534	9'-4"
B36	OFFICE	288	8'-0"
B37	INSTRUCTIONAL MATERIALS CENTER	2097	VARIES
B39	NOT USED		

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
B40	A\V STORAGE	253	8'-0"
B41	SPEECH & HEARING	150	8'-0"
B42	INFORMATION	120	8'-0"
B43	WOMENS' TOILET	108	8'-0"
B44	MENS' TOILET	108	8'-0"
B45	JANITOR	81	8'-0"
B46	READING AREA	64	VARIES
B47	CORRIDOR	662	9'-4"
B48	CORRIDOR	753	9'-4"
B49	GYM OFFICE	109	8'-0"
B50	STORAGE	218	8'-0"
B51	GIFTED & TALENTED	675	7'-4" & 9'-4"
B52	JANITOR	59	8'-0"
B53	COAT STORAGE	195	8'-0"
B54	EXTENDED LEARNING	1045	7'-4" & VARIES
B55	BOYS' TOILET	100	8'-0"
B56	GIRLS' TOILET	100	8'-0"
B57	COAT STORAGE	309	8'-0"
B58	CORRIDOR	832	9'-4"
B59	STORAGE	167	8'-0"
B60	LOCKERS	148	9'-0"
B61	DRYING	28	9'-0"
B62	SHOWER	60	9'-0"
B63	SHOWER	60	9'-0"
B64	DRYING	28	9'-0"
B65	LOCKERS	148	9'-0"
B66	JANITOR	32	8'-0"
B67	CONFERENCE	151	8'-0"
B68	COAT STORAGE	309	8'-0"
B69	GIRLS' TOILET	104	8'-0"
B70	BOYS' TOILET	104	8'-0"
B71	COAT STORAGE	280	8'-0"
B72	GYMNASIUM	5200	VARIES
B73	TOILET	134	8'-0"
B74	TOILET	134	8'-0"
B75	ELECTRICAL	25	8'-0"
B76	ELECTRICAL	25	8'-0"
B78	MECHANICAL MEZZANINE	984	9'-0"
	ELECTRICAL	187	9'-0"

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A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

KEY PLAN

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FLOOR PLAN UNIT "B"

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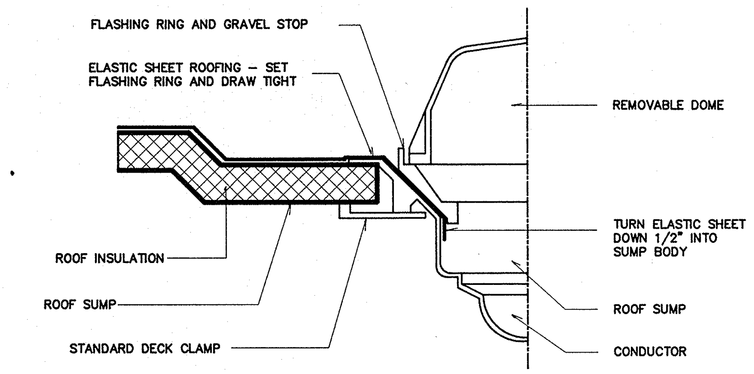
A-3

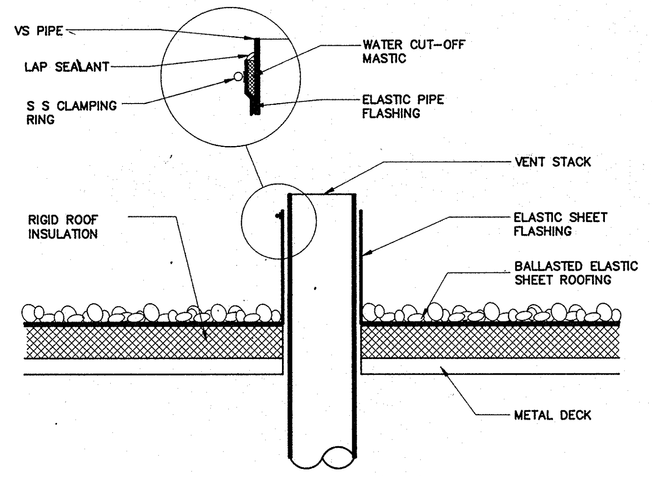
HARRIS TOWNSHIP ELEMENTARY SCHOOL

22



1–A4 TYPICAL ROOF DRAIN

SCALE: 1 1/2" = 1'–0"

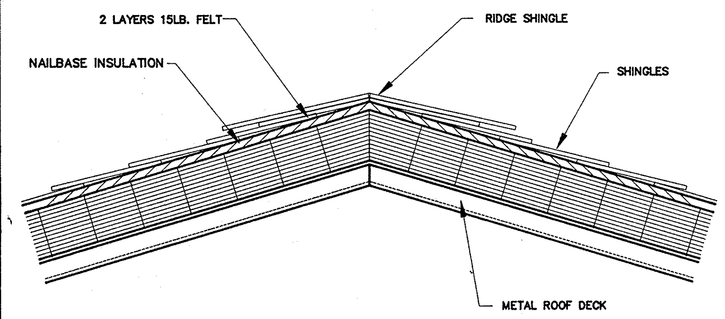


2–A4 VENT STACK DETAIL

SCALE: 1 1/2" = 1'–0"

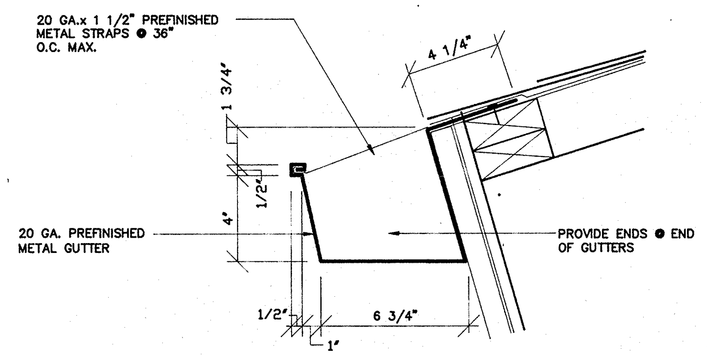
ROOF PLAN LEGEND

○ RD	INDICATES ROOF DRAIN SEE DETAIL 1–A4 SET ROOF DRAINS IN SUMP PANS SEE DETAIL 6–A4
○ VS	VENT STACK SEE DETAIL 2–A4 SEE MECH. DWGS. FOR LOCATION & QUANTITY.
+4 1/2"	INDICATES HEIGHT OF ROOF SADDLE SYSTEM ABOVE METAL DECK.
⊠	INDICATES MECH. ROOF CURB SEE MECH. DWGS. FOR LOCATION & QUANTITY.
⟶	INDICATES DIRECTION OF ROOF SLOPE
L.L.B.F.S.R.	INDICATES LOOSE LAID/BALLASTED FLEXIBLE SHEET ROOFING OVER RIGID ROOF INSULATION OVER METAL DECK.
SHINGLES	INDICATES SHINGLES OVER NAILBASE INSULATION OVER METAL DECK.
◇	INDICATES ROOF SADDLE SYSTEM SEE SPEC. SECTION 07220



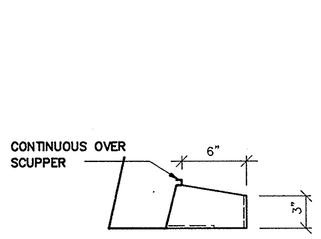
3–A4 RIDGE & HIP DETAIL

SCALE: 1 1/2"=1'–0"



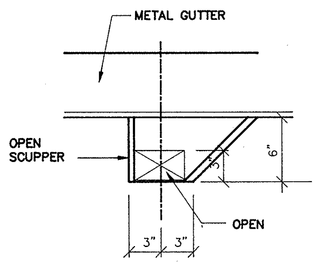
4–A4 GUTTER DETAIL

SCALE: 3" = 1'–0"



ELEVATION

SCALE 1 1/2" = 1'–0"

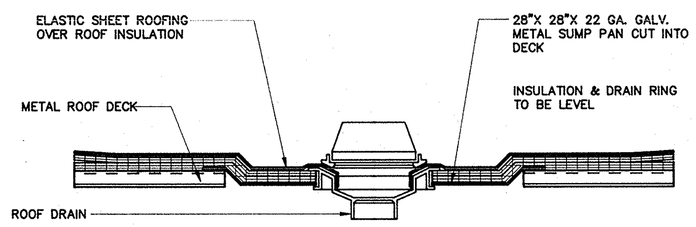


PLAN

SCALE 1 1/2" = 1'–0"

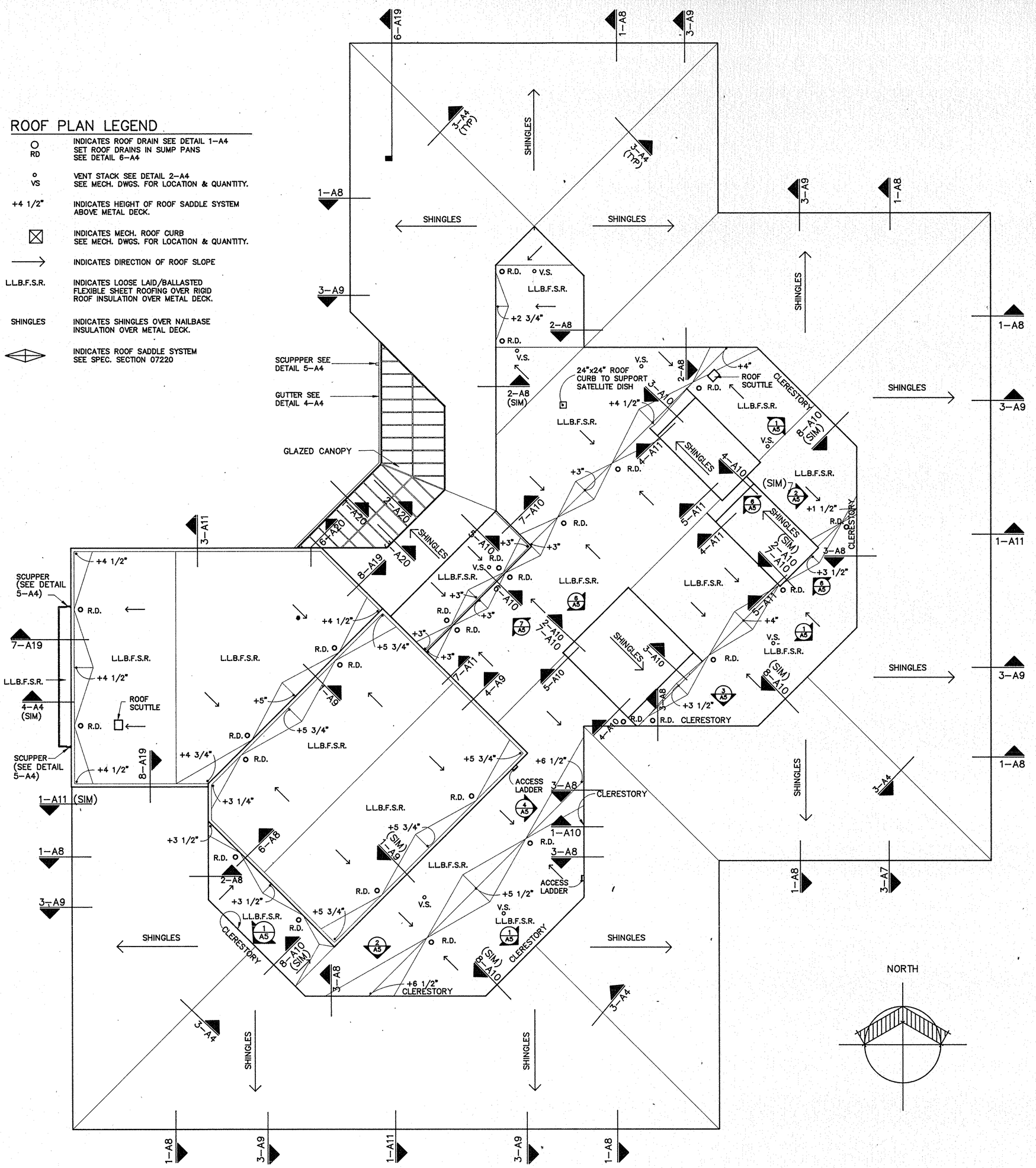
5–A4 SCUPPER DETAIL

SCALE 1 1/2" = 1'–0"



6–A4 SUMP PAN DETAIL

SCALE: 1 1/2" = 1'–0"



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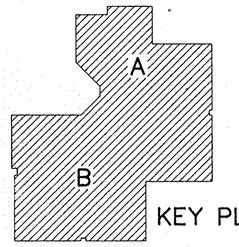
GRANGER, INDIANA



KEY PLAN

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ROOF PLAN & DETAILS

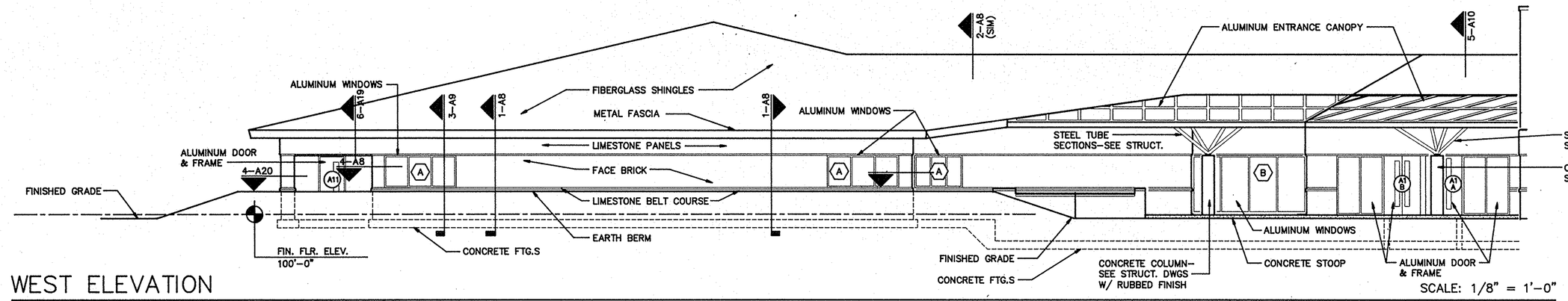
DRAWN BY: GB,GRM | COMM. NO.: 8712.00
CHECKED BY: FS | DATE: JAN. 11,1988

REVISIONS NO. DATE

A–4

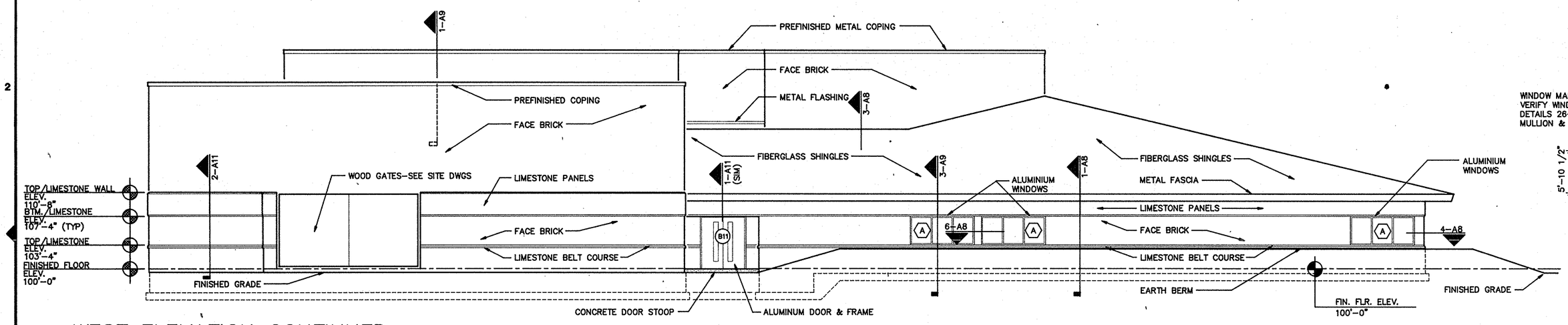
HARRIS TOWNSHIP ELEMENTARY SCHOOL

22



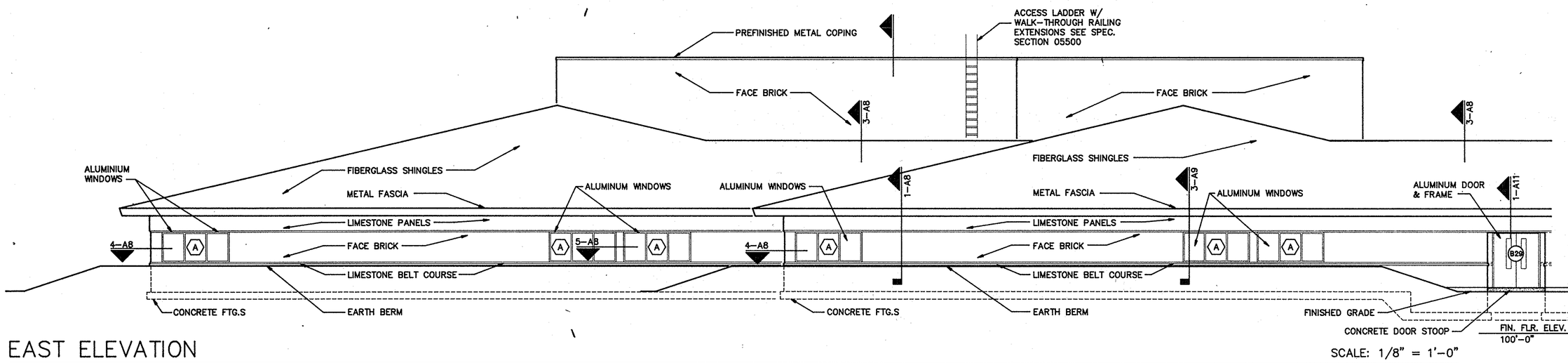
WEST ELEVATION

SCALE: 1/8" = 1'–0"



WEST ELEVATION CONTINUED

SCALE: 1/8" = 1'–0"



EAST ELEVATION

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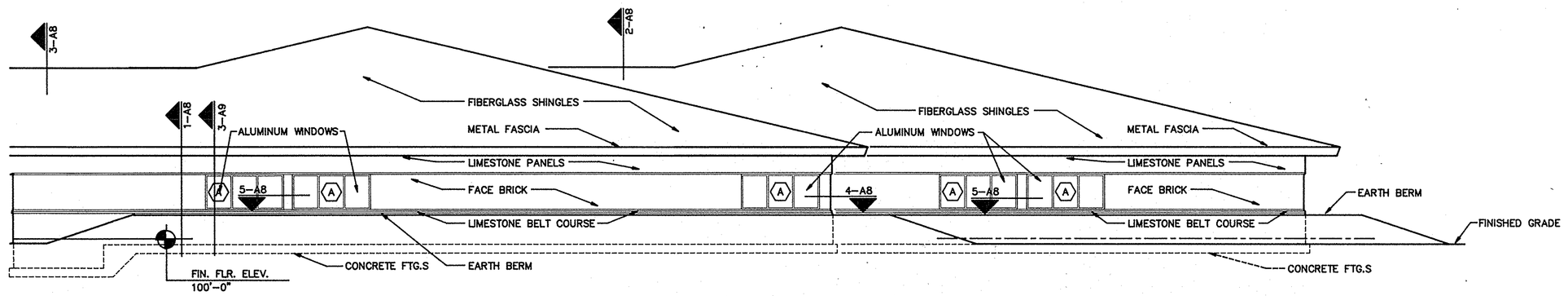
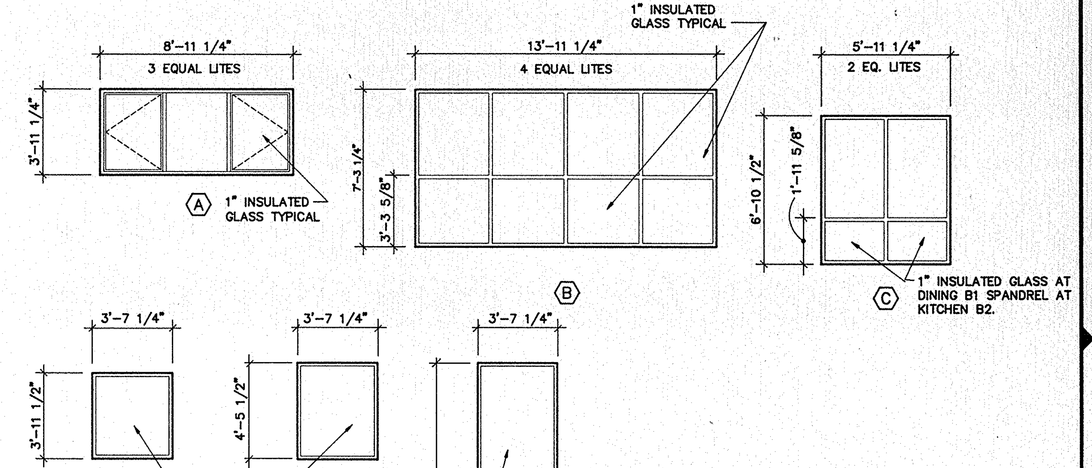
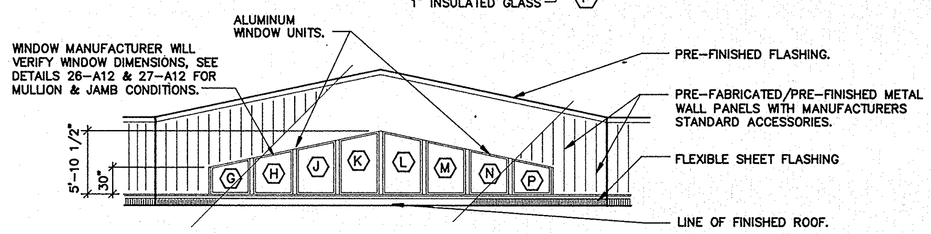


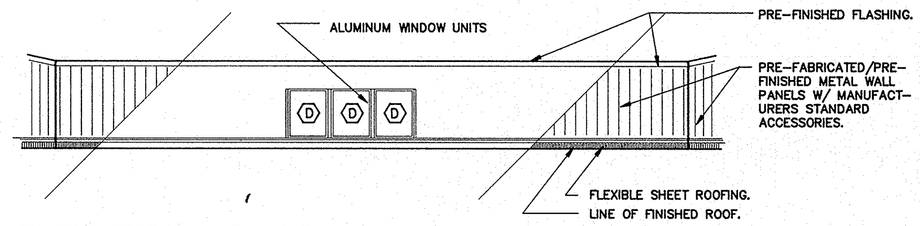
EAST ELEVATION CONTINUED

SCALE: 1/8" = 1'–0"

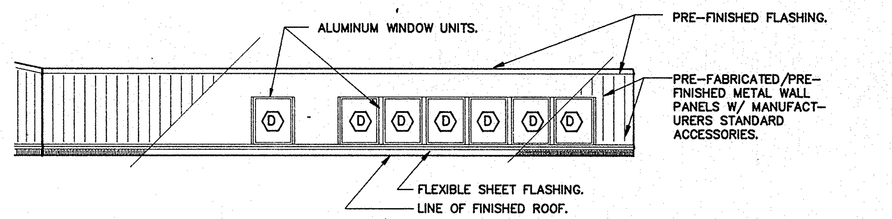




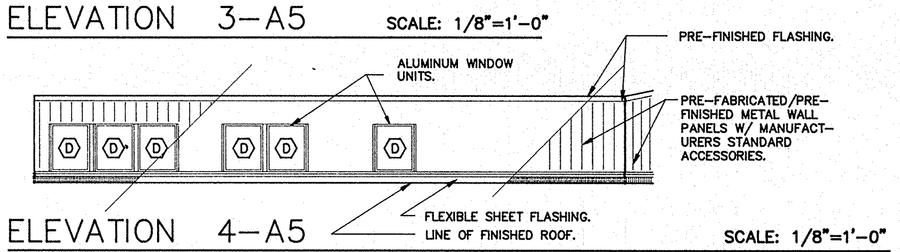
ELEVATION 1–A5 SCALE: 1/8"=1'–0"



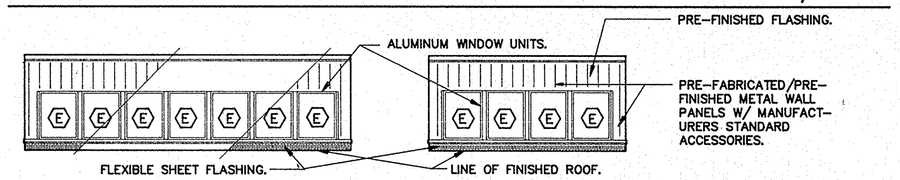
ELEVATION 2–A5 SCALE: 1/8"=1'–0"



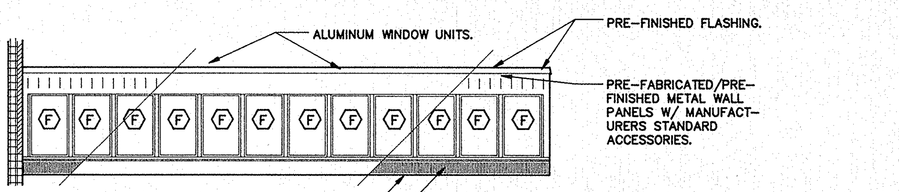
ELEVATION 3–A5 SCALE: 1/8"=1'–0"



ELEVATION 4–A5 SCALE: 1/8"=1'–0"



ELEVATION 5–A5 ELEVATION 6–A5 SCALE: 1/8"=1'–0"



ELEVATION 6–A5 SCALE: 1/8"=1'–0"

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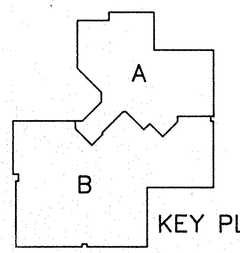
LEE BROCKWAY ENGINEERING No. 10866 STATE OF INDIANA REGISTERED ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN–HARRIS–MADISON SCHOOL CORPORATION
GRANGER, INDIANA



KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

ELEVATIONS

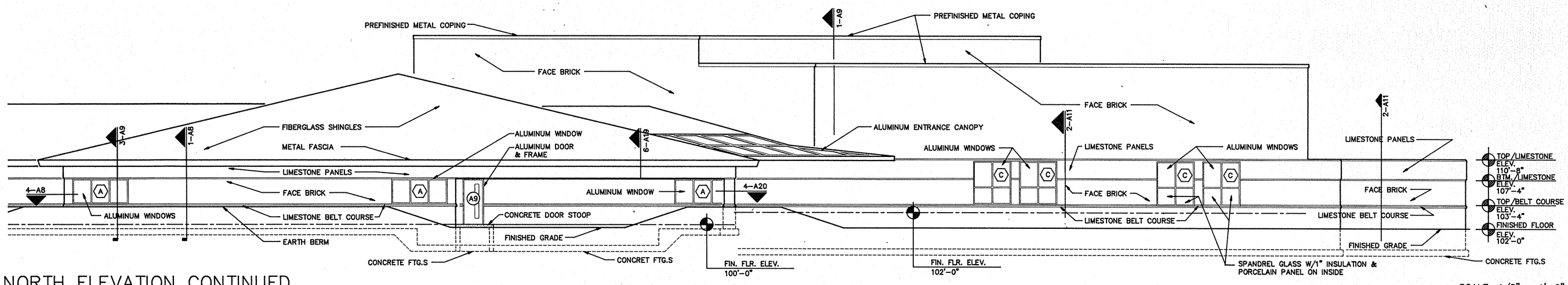
DRAWN BY: MLR,GRM COMM. NO.: 8712.00
CHECKED BY: JFS DATE: JAN. 11,1988

REVISIONS NO. DATE

A–5

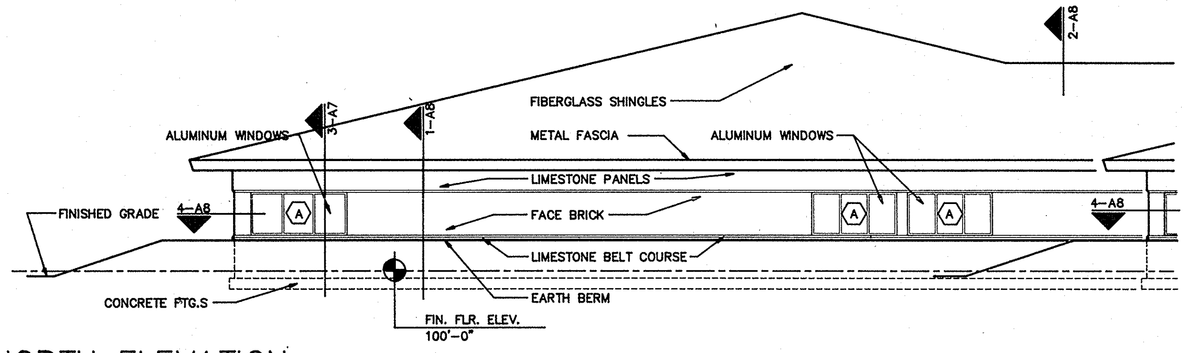
HARRIS TOWNSHIP ELEMENTARY SCHOOL

22



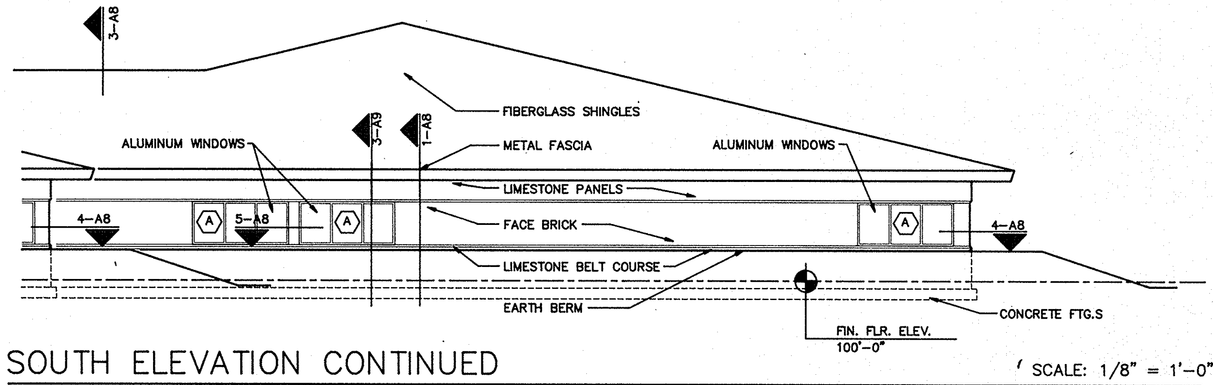
NORTH ELEVATION, CONTINUED

SCALE: 1/8" = 1'–0"



NORTH ELEVATION

SCALE: 1/8" = 1'–0"



SOUTH ELEVATION CONTINUED

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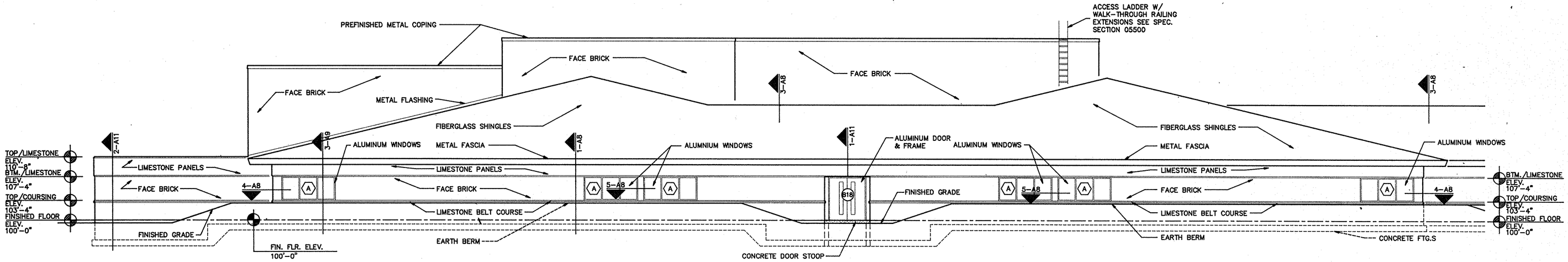
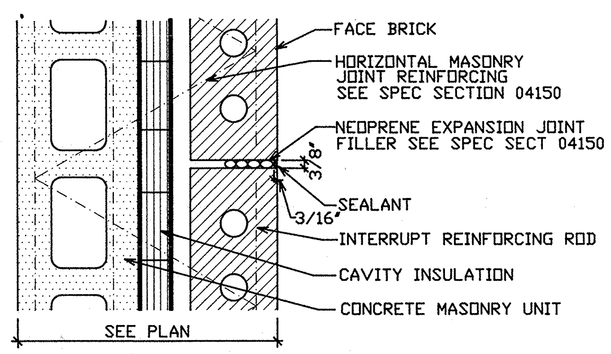


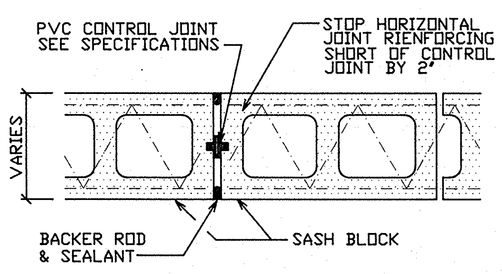
SOUTH ELEVATION

SCALE: 1/8" = 1'–0"



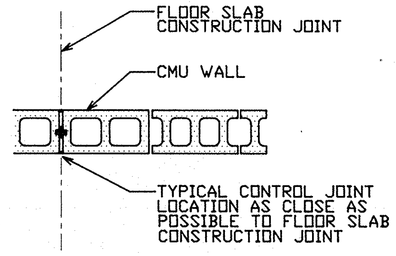
1–A6 BRICK EXPANSION JOINT

N.T.S.



2–A6 TYPICAL CONTROL JOINT

N.T.S.



3–A6 CONTROL JOINT @ FLOOR JOINT

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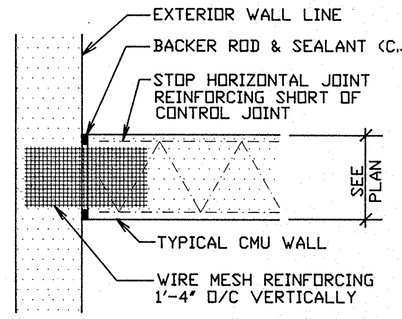
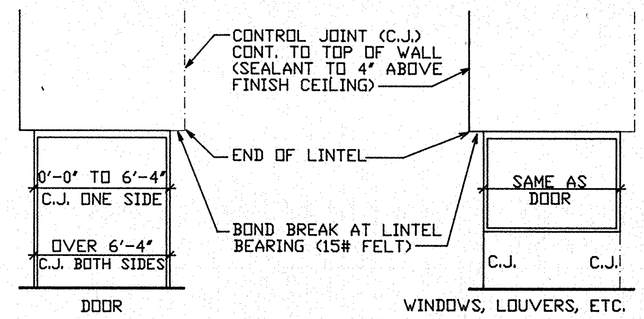


4–A6 TYPICAL CONTROL JOINT @ JUNCTION OF INTERIOR WALL TO EXTERIOR WALL

N.T.S.



5–A6 TYPICAL PLACEMENT OF CONTROL JOINTS IN CONCRETE MASONRY UNIT WALLS @ DOORS & WINDOWS

N.T.S.

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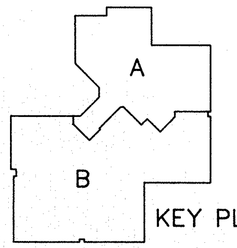
A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN–HARRIS–MADISON SCHOOL CORPORATION
GRANGER, INDIANA



KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

ELEVATIONS

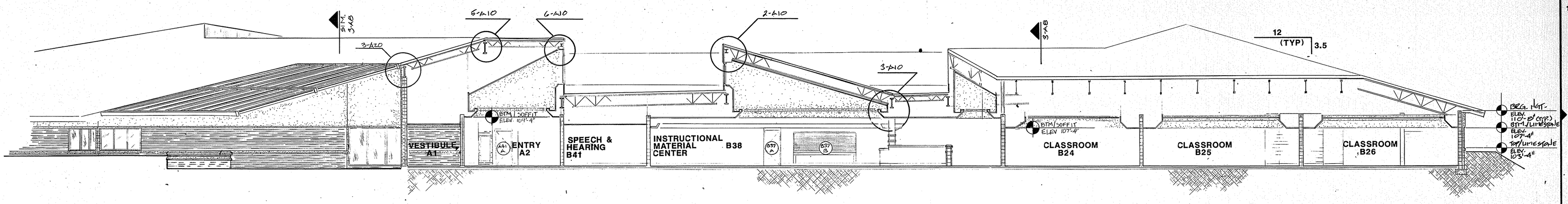
DRAWN BY: MLR,GRM COMM. NO.:8712.00
CHECKED BY:JFS DATE: JAN. 11,1988

REVISIONS NO. DATE

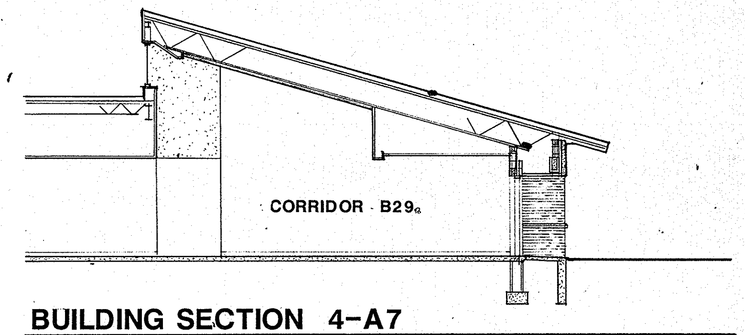
A–6

HARRIS TOWNSHIP ELEMENTARY SCHOOL

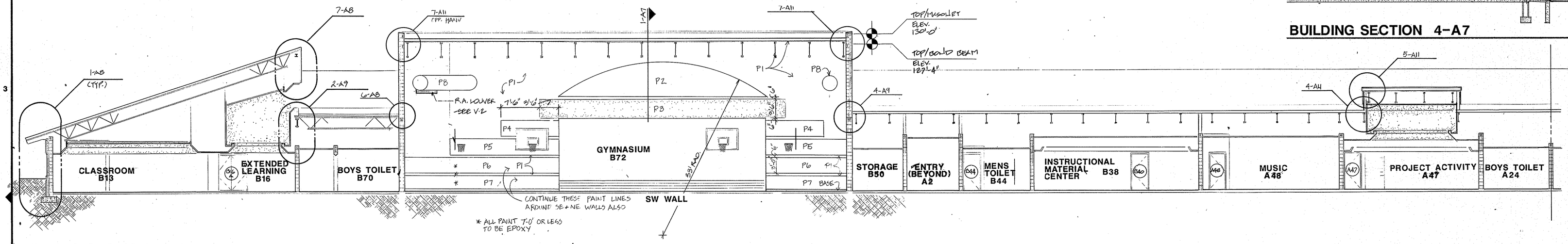
22



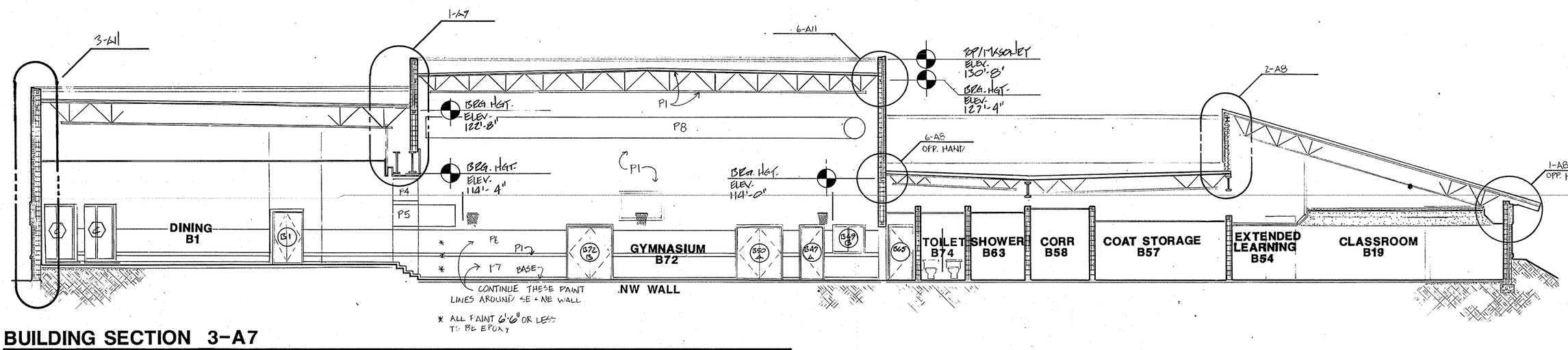
BUILDING SECTION 1-A7



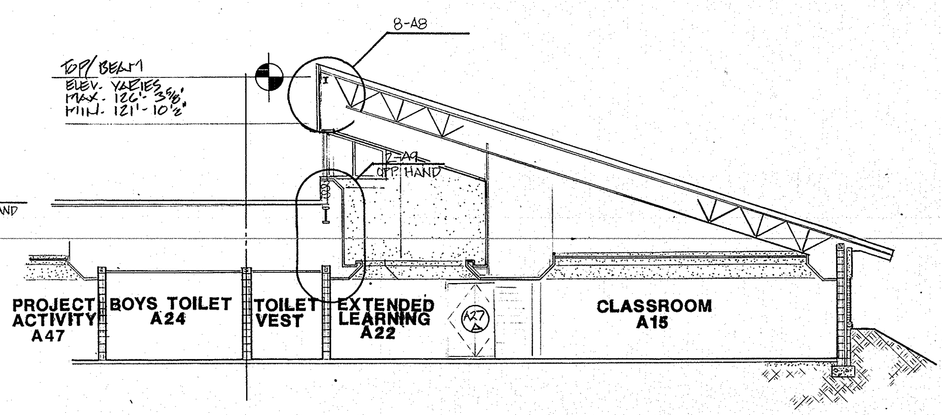
BUILDING SECTION 4-A7



BUILDING SECTION 2-A7



BUILDING SECTION 3-A7



BUILDING SECTION 2-A7 Continued

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NEW ELEMENTARY SCHOOL
FOR
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FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

BUILDING SECTIONS

DRAWN BY: GEM | COMM. NO.: 8712.00
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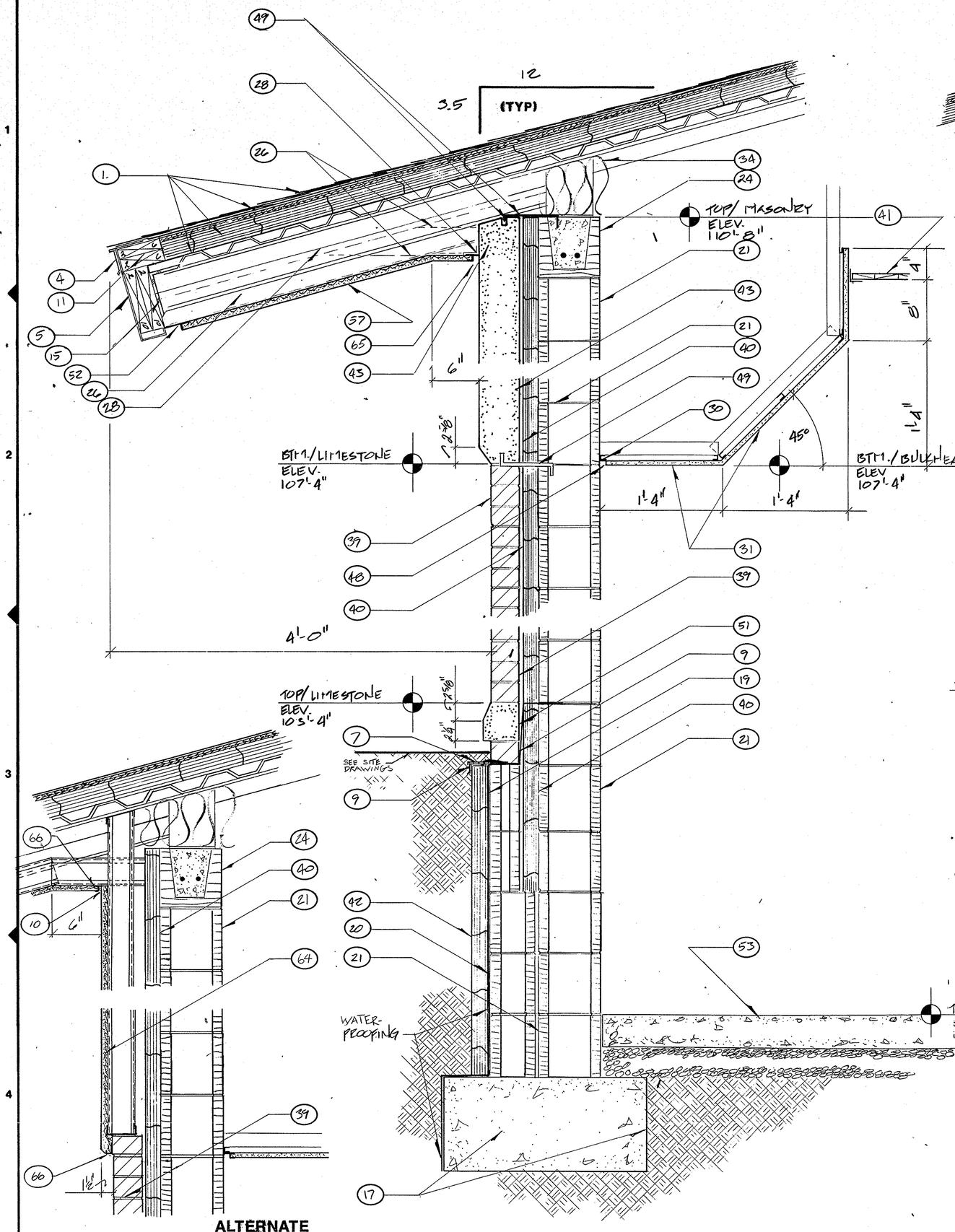
REVISIONS NO. DATE

A7

HARRIS TOWNSHIP ELEMENTARY SCHOOL

25

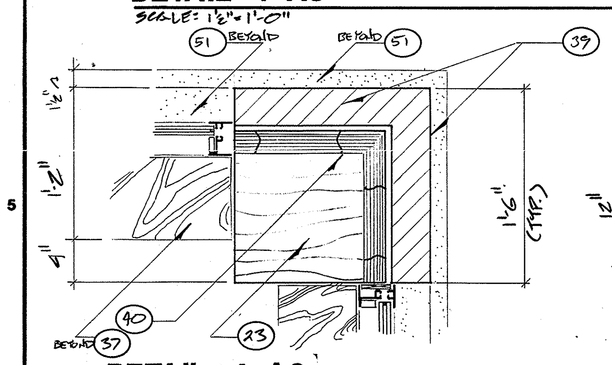
N01342



ALTERNATE

DETAIL 1-A8

SCALE: 1½" = 1'-0"



DETAIL 4-A8

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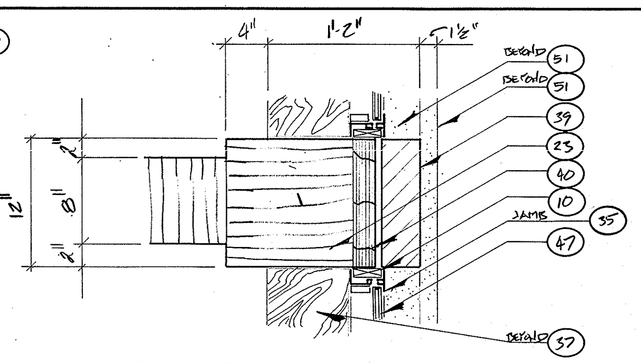
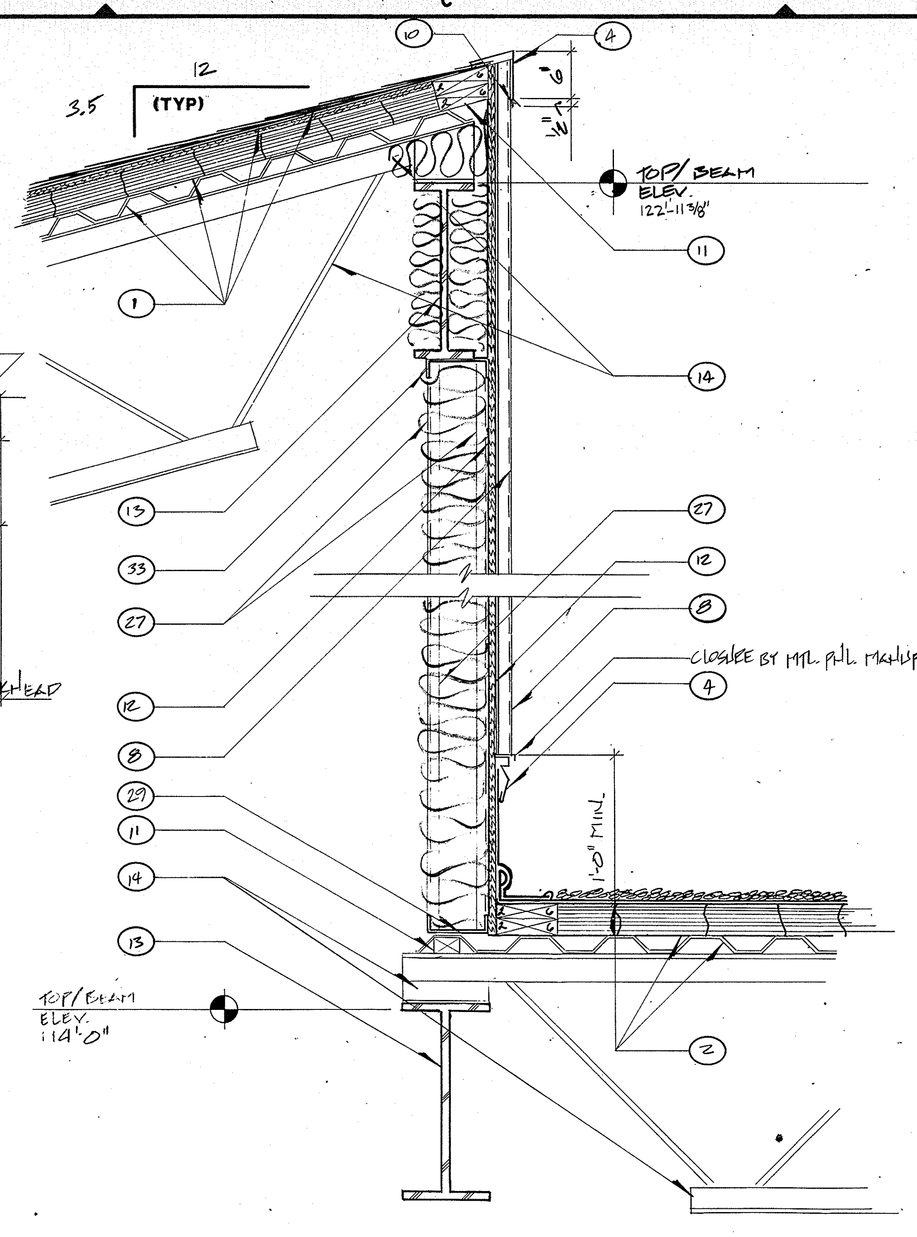


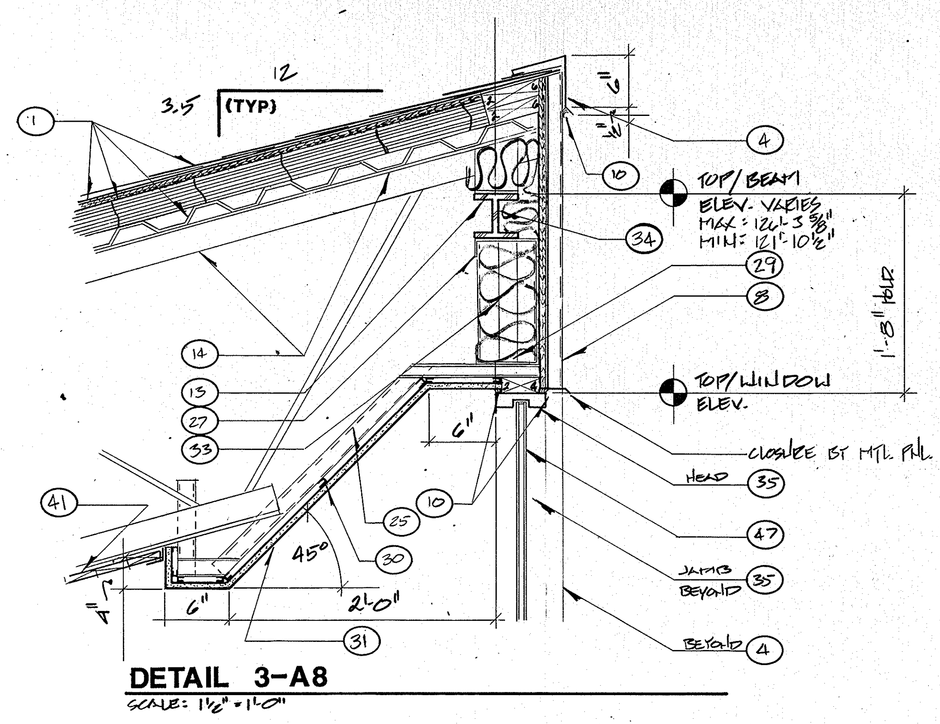
DETAIL 5-A8

SCALE: 1½" = 1'-0"



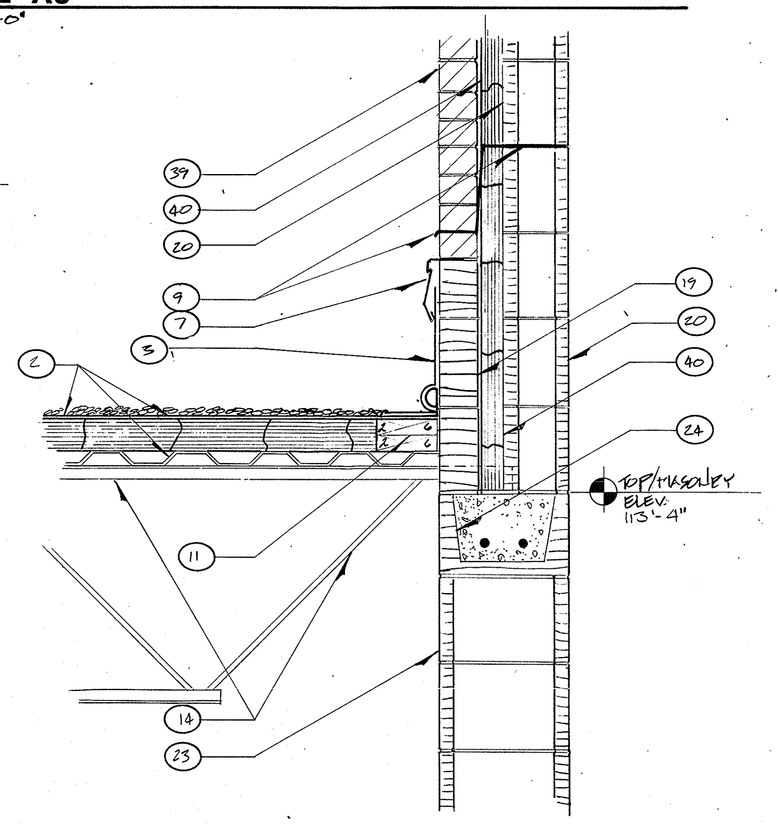
DETAIL 2-A8

SCALE: 1½" = 1'-0"



DETAIL 3-A8

SCALE: 1½" = 1'-0"



DETAIL 6-A8

SCALE: 1½" = 1'-0"

KEYNOTES

1. FIBERGLASS SHINGLES ON TWO (2) LAYERS 15 LB. ROOFING FELT OVER 3" NAILBASE INSULATION ON 1-1/2" METAL ROOF DECKING.
2. 4LOSE LAID/BALLASTED FLEXIBLE SHEET ROOFING ON 3" RIGID ROOF INSULATION OVER 1-1/2" METAL ROOF DECKING.
3. FLEXIBLE SHEET FLASHING.
4. .063 GA. ALUMINUM FLASHING. (07600)
5. .063 GA. ALUMINUM PRE-FABRICATED/PRE-FINISHED FASCIA. (07600)
6. .050 GA. ALUMINUM PRE-FABRICATED/PRE-FINISHED COPING OR FASCIA. (07413)
7. .050 GA. ALUMINUM PRE-FABRICATED/PRE-FINISHED IN-WALL FLASHING. (07600)
8. PRE-FABRICATED/PRE-FINISHED METAL WALL PANELS WITH MANUFACTURERS STANDARD ACCESSORIES.
9. THRU-WALL FLASHING WITH WEEP HOLES @ 32" O.C.
10. SEALANT
11. WOOD BLOCKING AS SHOWN & OR REQUIRED.
12. 1/2" EXTERIOR PLYWOOD.
13. STEEL BEAM - SEE STRUCTURAL DRAWINGS.
14. STEEL JOIST - SEE STRUCTURAL DRAWINGS.
15. STEEL ANGLE - SEE STRUCTURAL DRAWINGS.
16. T. S. COLUMN - SEE STRUCTURAL DRAWINGS.
17. CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS.
18. 2" C.M.U. (SOAP)
19. 4" C.M.U.
20. 6" C.M.U.
21. 8" C.M.U.
22. 10" C.M.U.
23. 12" C.M.U.
24. C.M.U. BOND BEAM
25. 1-5/8" METAL STUD FRAMING @ 16" O.C.
26. 3-5/8" METAL STUD FRAMING @ 16" O.C.
27. 6" METAL STUD FRAMING @ 16" O.C.
28. JOIST EXTENSION - SEE STRUCTURAL DRAWINGS.
29. STEEL RUNNER.
30. METAL FURRING CHANNEL 16 GA. @ 16" O.C.
31. 5/8" GYPSUM BOARD.
32. 3-1/2" BATT INSULATION.
33. 6" BATT INSULATION.
34. PACK WITH BATT INSULATION.
35. ALUMINUM WINDOW UNIT.
36. ALUMINUM CLOSURE BY WINDOW MANUFACTURER.
37. 3/4" PLASTIC LAMINATED SILL .
38. PLYWOOD OR WOOD SHIM.
39. FACE BRICK.
40. 2" CAVITY INSULATION.
41. ACOUSTICAL CEILING TILE.
42. 2" PERIMETER INSULATION.
43. LIMESTONE PANEL.
44. LIMESTONE CAP.
45. ENTRANCE CANOPY FRAMING - SEE STRUCTURAL DRAWINGS.
46. ENTRANCE CANOPY FLASHING.
47. 1" INSULATED GLASS.
48. SHADOW MOLDING. - TYPICAL WHERE GWB ABUTS DISSIMILAR MATERIAL.
49. LIMESTONE TIES AS REQUIRED.
50. LIMESTONE SUPPORT 5 x 6 x 1/4" L.
51. LIMESTONE BELT COURSE.
52. SOFFIT VENT. SEE DETAIL 3-L9.
53. CONCRETE SLAB - SEE SL-1.
54. 1 x 4 RED OAK TRIM - EASE ALL EDGES.
55. RED OAK TRIM - EASE EXPOSED EDGES.
56. C.M.U. CUT COURSE.
57. 3/4" CEMENT PLASTER OVER GALVANIZED METAL LATH, ON 3-5/8" METAL STUD FRAMING @ 16" O.C.
58. MASONRY LINTEL - SEE SL-1.
59. STEEL CHANNEL - SEE STRUCTURAL DRAWINGS.
60. STEEL PLATE 6" x 1/4" - SEE STRUCTURAL DRAWINGS.
61. 3/4" CEMENT PLASTER OVER GALVANIZED METAL LATH, ON 7/8" GALVANIZED FURRING CHANNEL @ 12" O.C. MOUNTED TO 1-5/8" STEEL STUDS @ 12" O.C.
62. MASONRY FOUNDATION - SEE STRUCTURAL DRAWINGS.
63. "J" - MOLDING.
64. 3/4" CEMENT PLASTER OVER GALVANIZED METAL LATH.
65. PLASTER MOLDINGS MM DURA-TRIM RM.-34-34.
66. PLASTER MOLDING MM DURA-TRIM PRT 34.

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LEE BROCKWAY REGISTERED NO. 10856 STATE OF INDIANA ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

DETAILS

DRAWN BY: SEM | COMM. NO.: 8712.00
CHECKED BY: JSF | DATE: JAN. 11, 1988

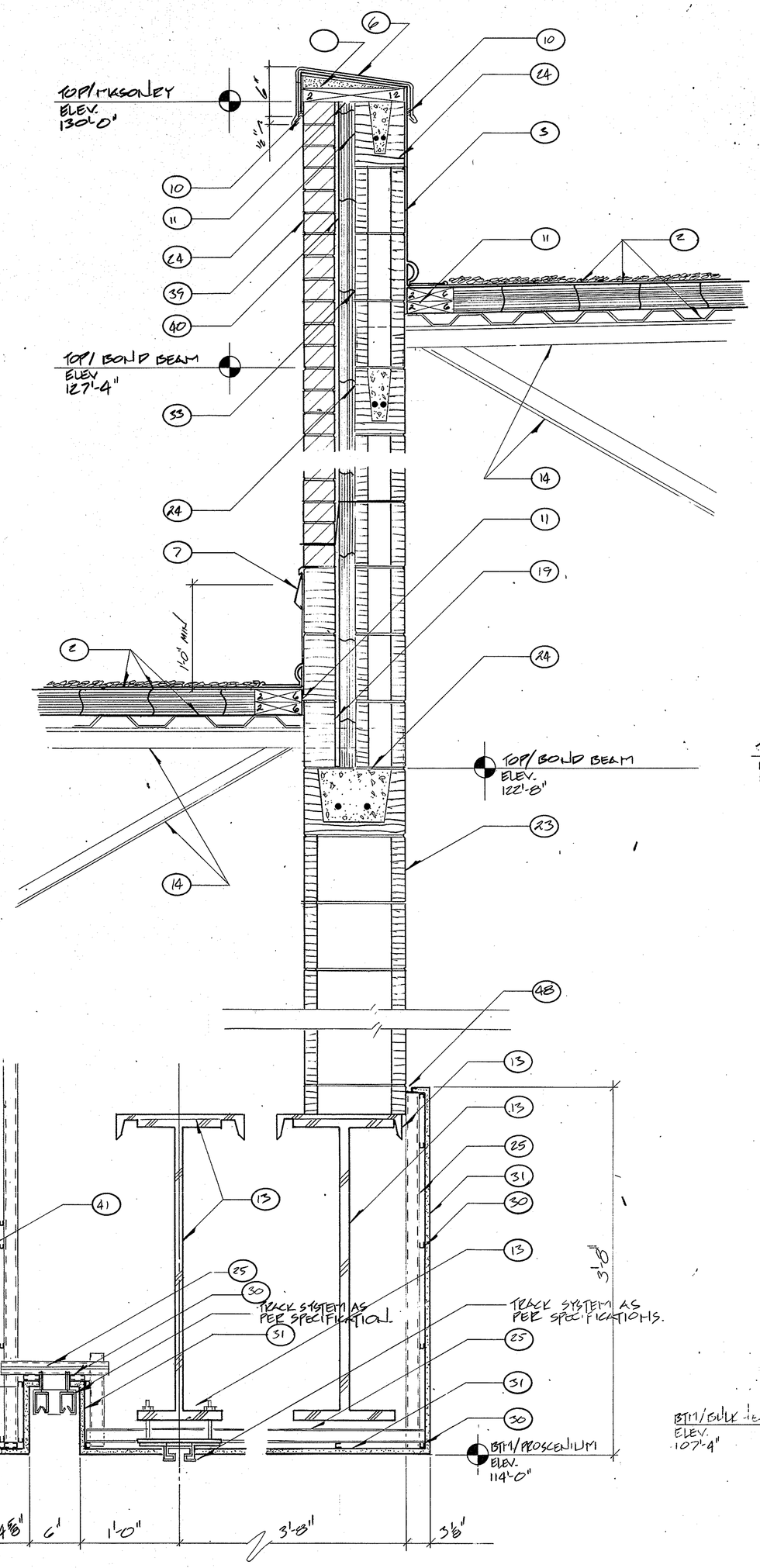
REVISIONS NO. DATE

A8

HARRIS TOWNSHIP ELEMENTARY SCHOOL

22

H6134



DETAIL 1-A9

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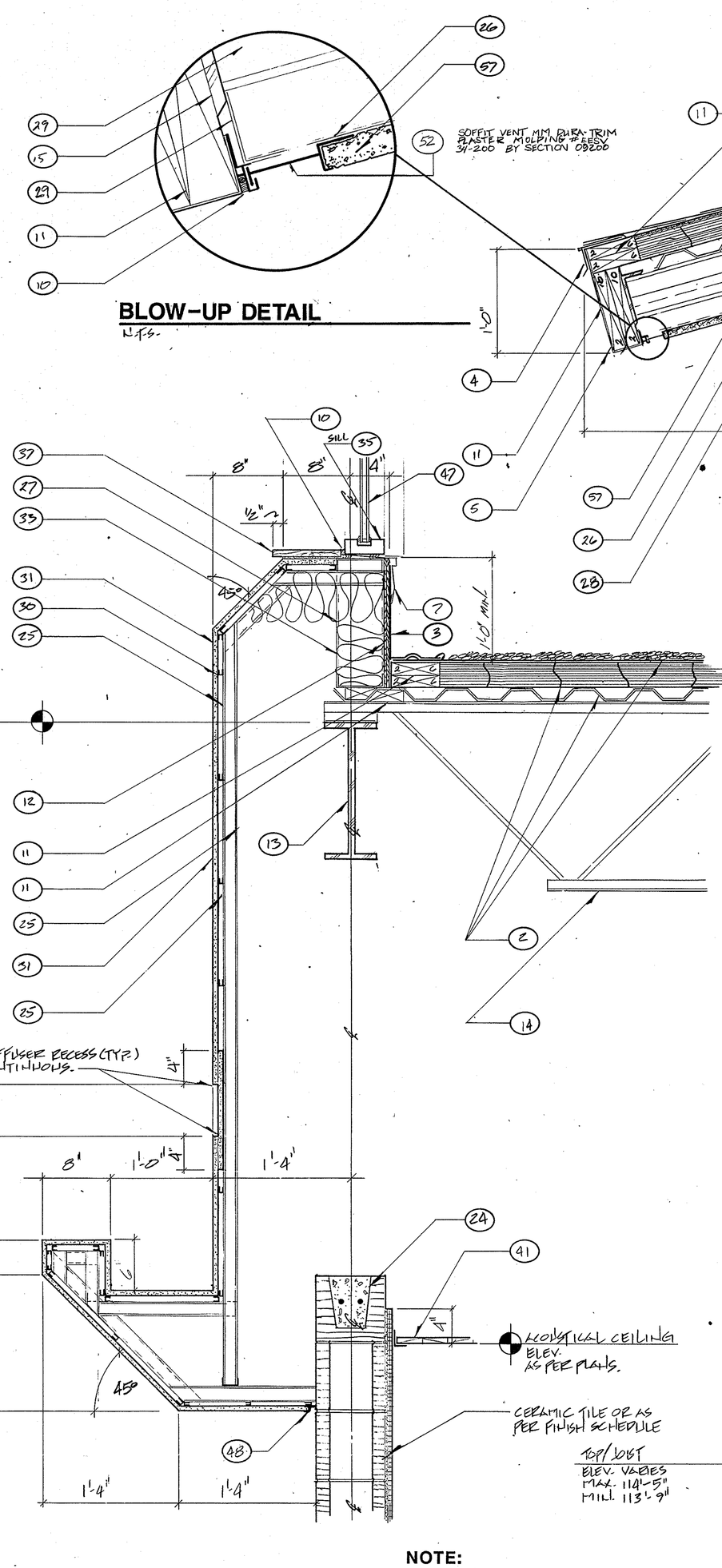
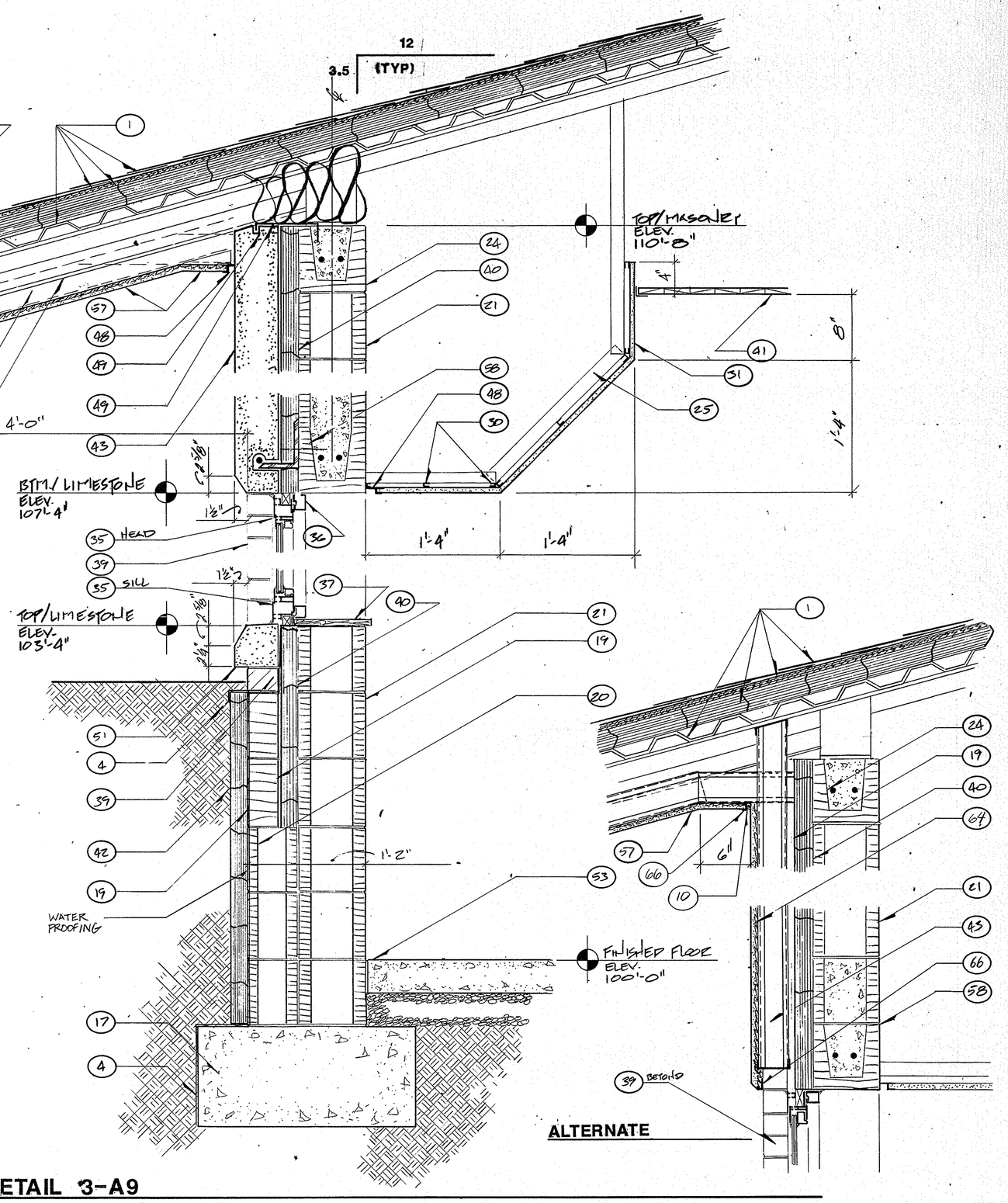


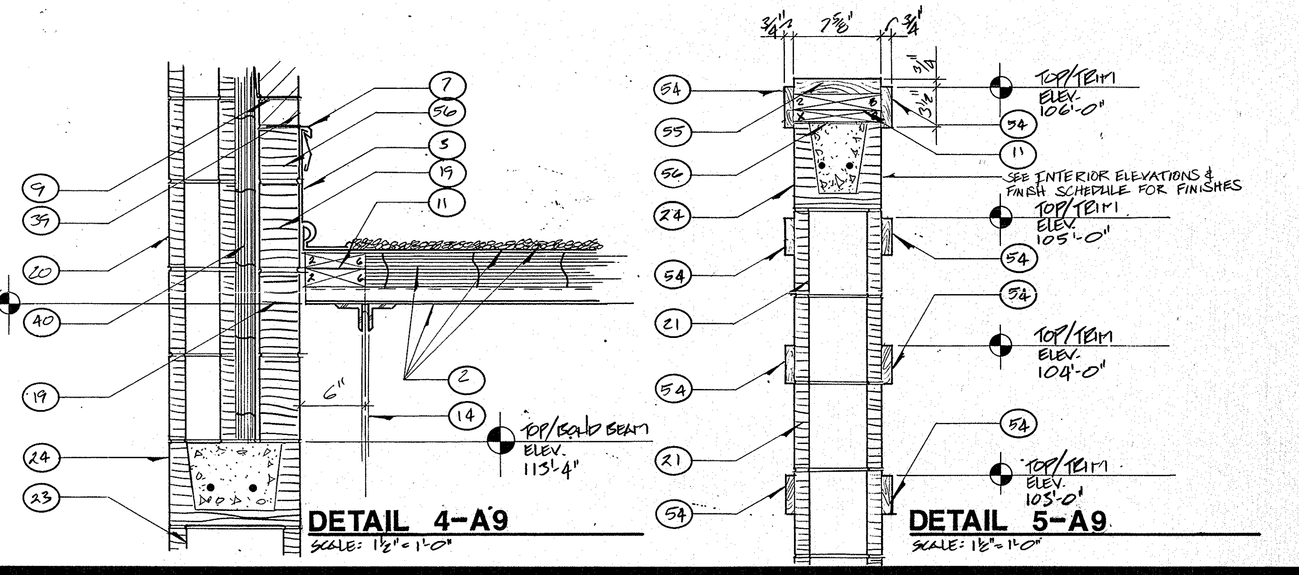
DETAIL 2-A9

SCALE: 1½" = 1'-0"

NOTE:
SEE SHEET A-8 FOR KEYNOTE LEGEND



DETAIL 3-A9



DETAIL 4-A9

SCALE: 1½" = 1'-0"

DETAIL 5-A9

SCALE: 1½" = 1'-0"

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LEE BROCK REGISTERED NO. 7966 STATE INDIANA ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

SECTIONS & DETAILS

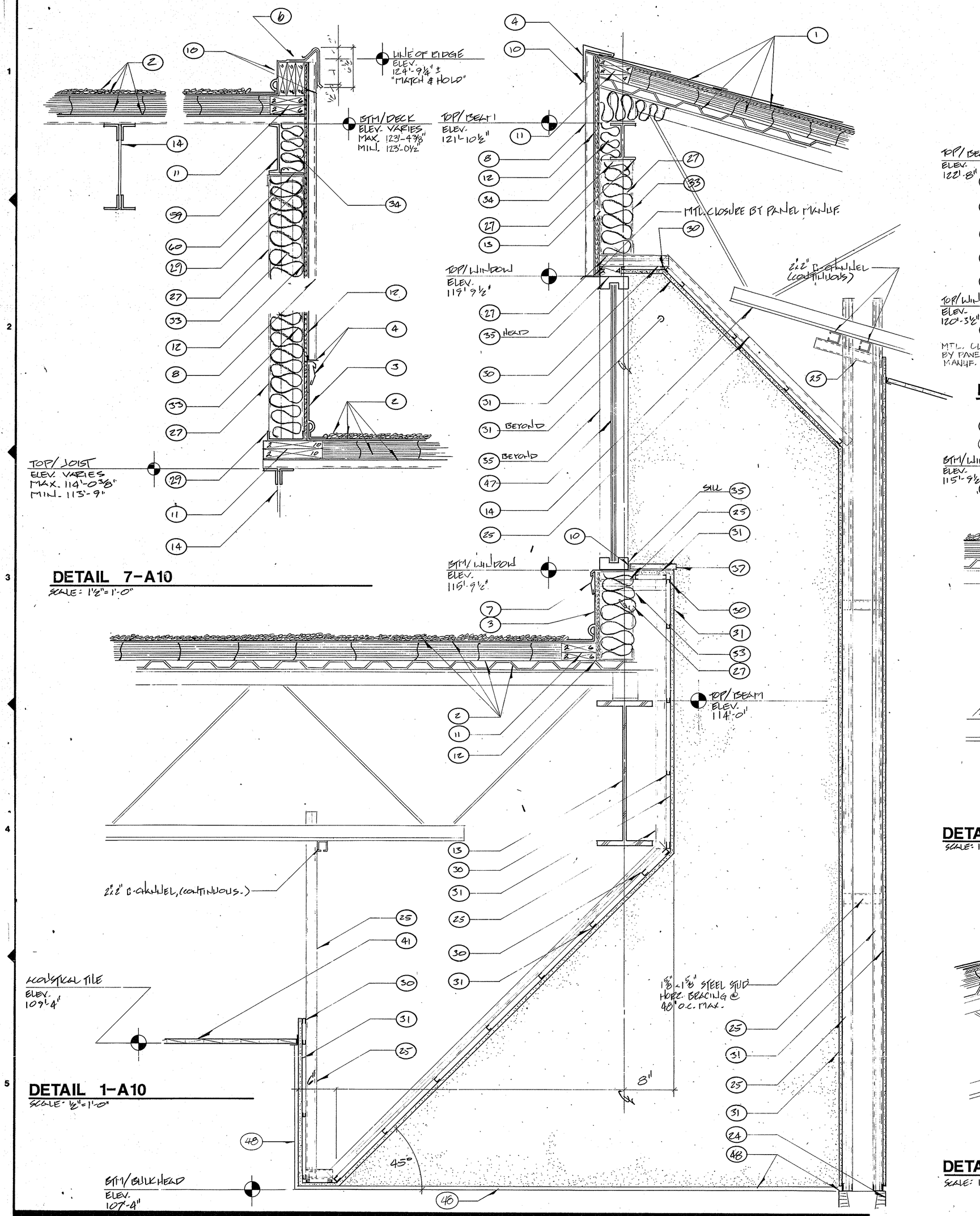
DRAWN BY: SEM | COMM. NO.: 8712.00
CHECKED BY: JSF | DATE: JAN. 11, 1988

REVISIONS NO. DATE

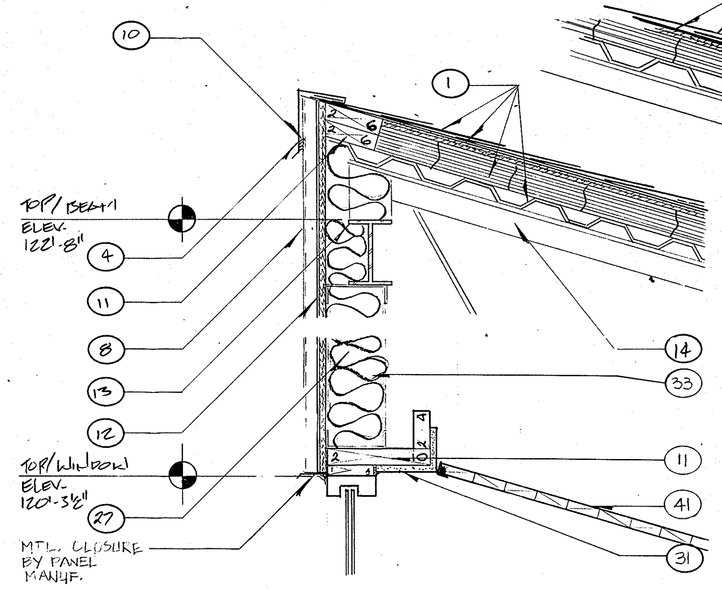
A9

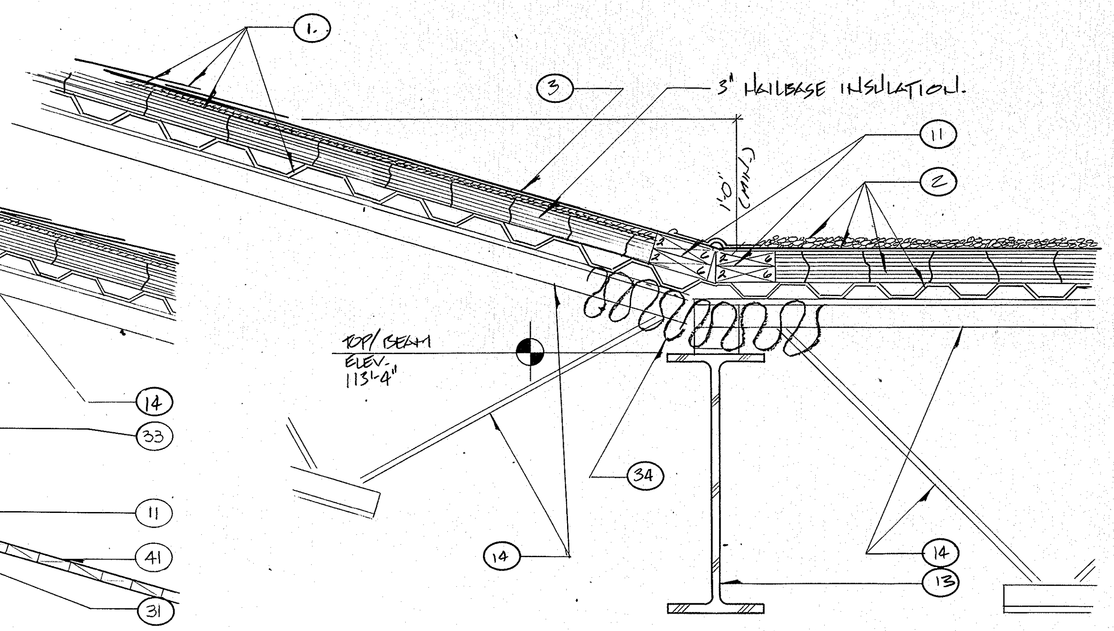
HARRIS TOWNSHIP ELEMENTARY SCHOOL

25



DETAIL 7-A10
SCALE: 1½"=1'-0"





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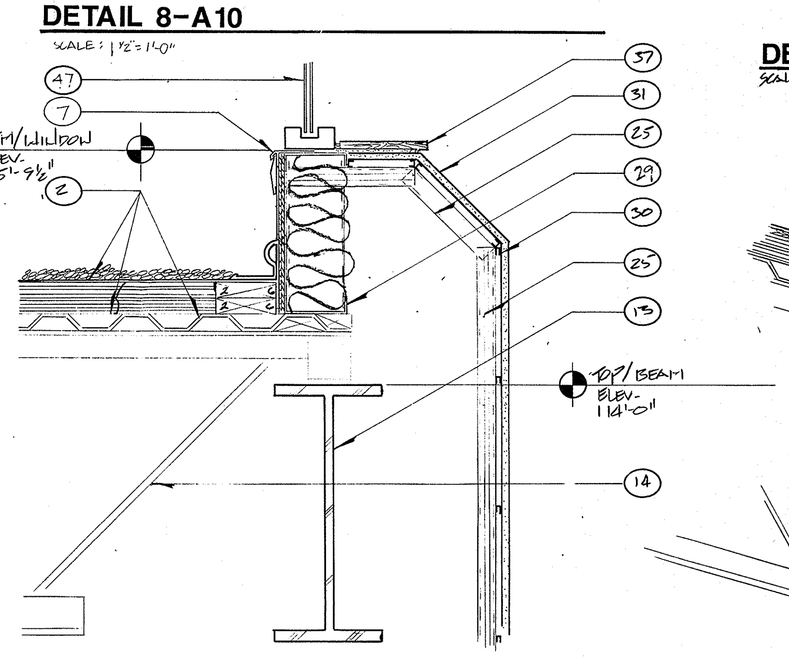
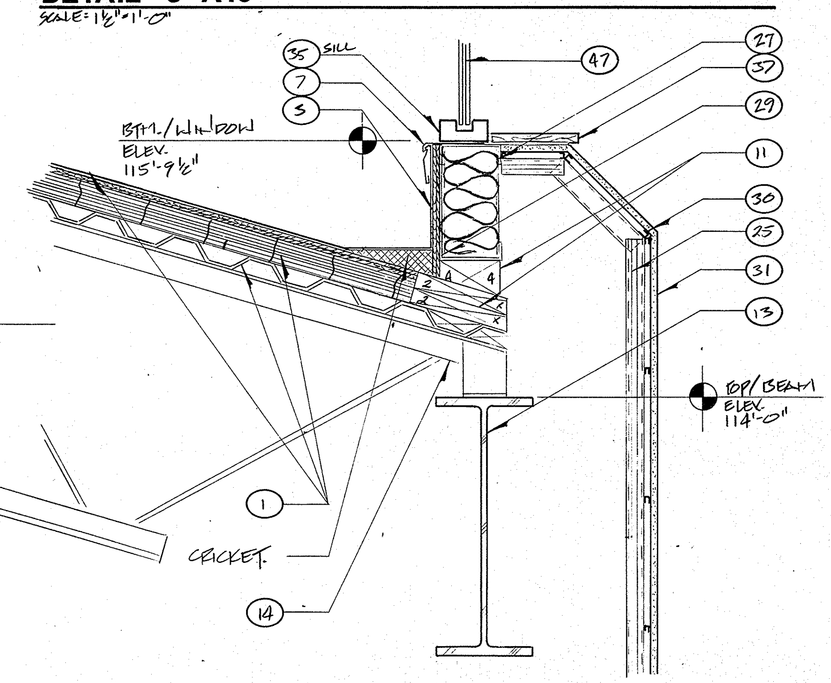


DETAIL 3-A10
SCALE: 1½"=1'-0"



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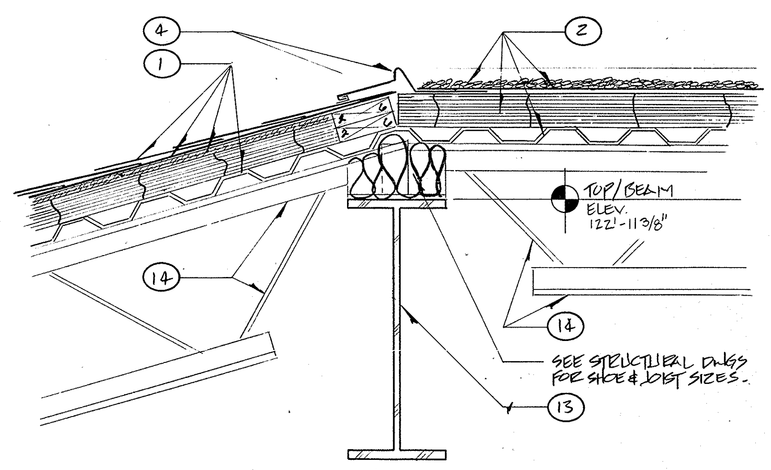

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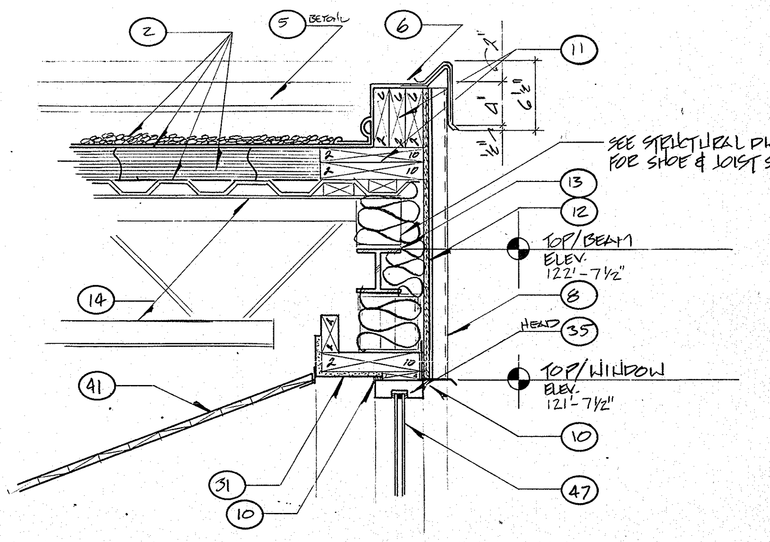

DETAIL 5-A10
SCALE: 1½" = 1'-0"

DETAIL 6-A10
SCALE: 1½" = 1'-0"

NOTE:
SEE SHEET A-8 FOR KEYNOTE LEGEND

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LEE BROCKWAY REGISTERED No. 10006 STATE OF INDIANA ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

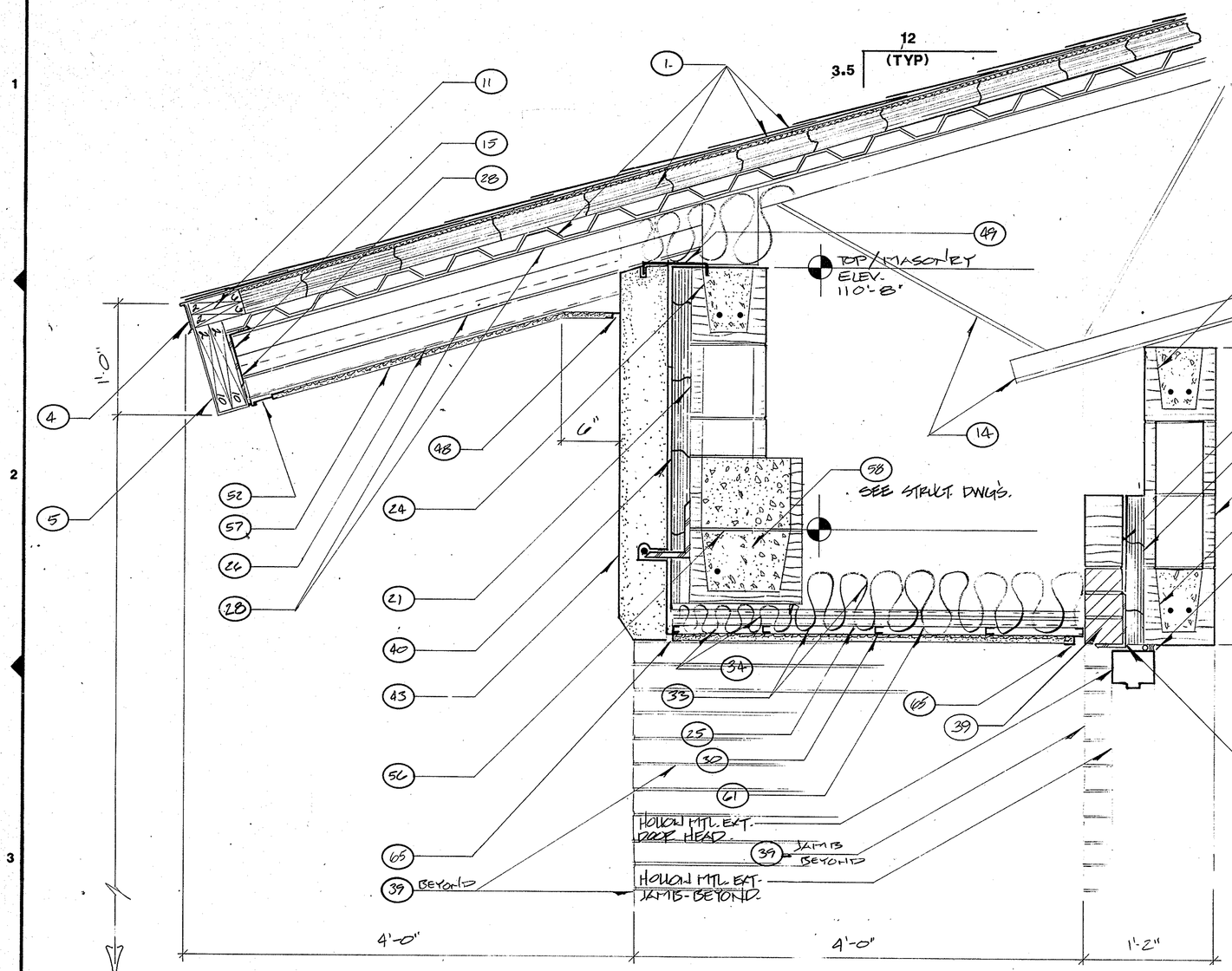
FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

SECTIONS & DETAILS

DRAWN BY: SBM COMM. NO.: 8712.00
CHECKED BY: JSF DATE: JAN. 11, 1988
REVISIONS NO. DATE

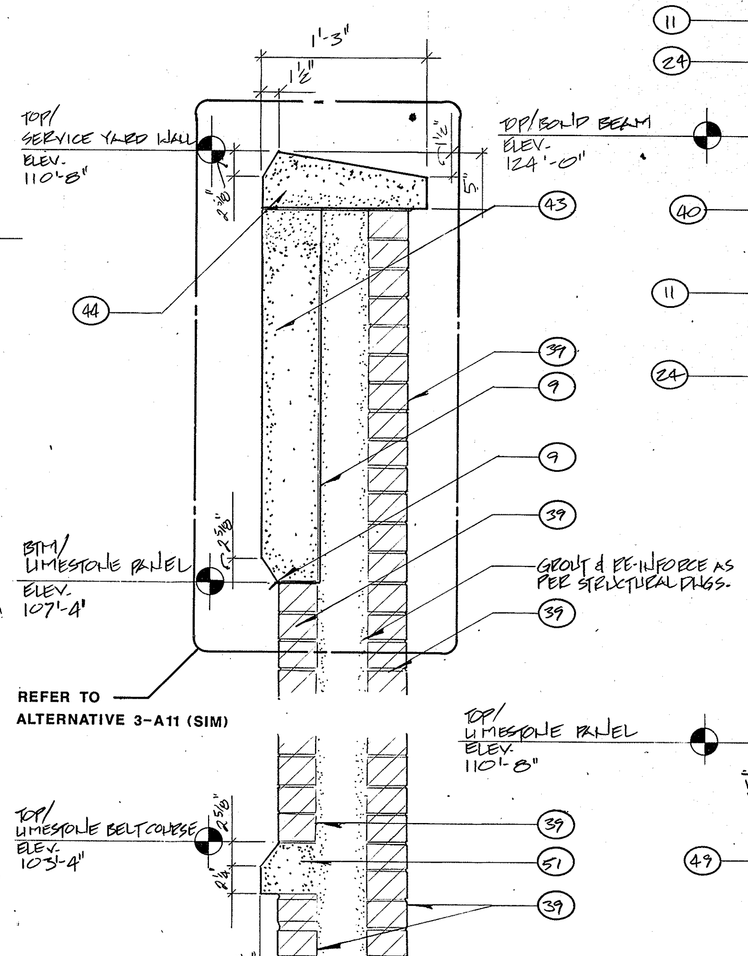
A10

HARRIS TOWNSHIP ELEMENTARY SCHOOL



DETAIL 1-A11

SCALE: 1½" = 1'-0"



DETAIL 2-A11

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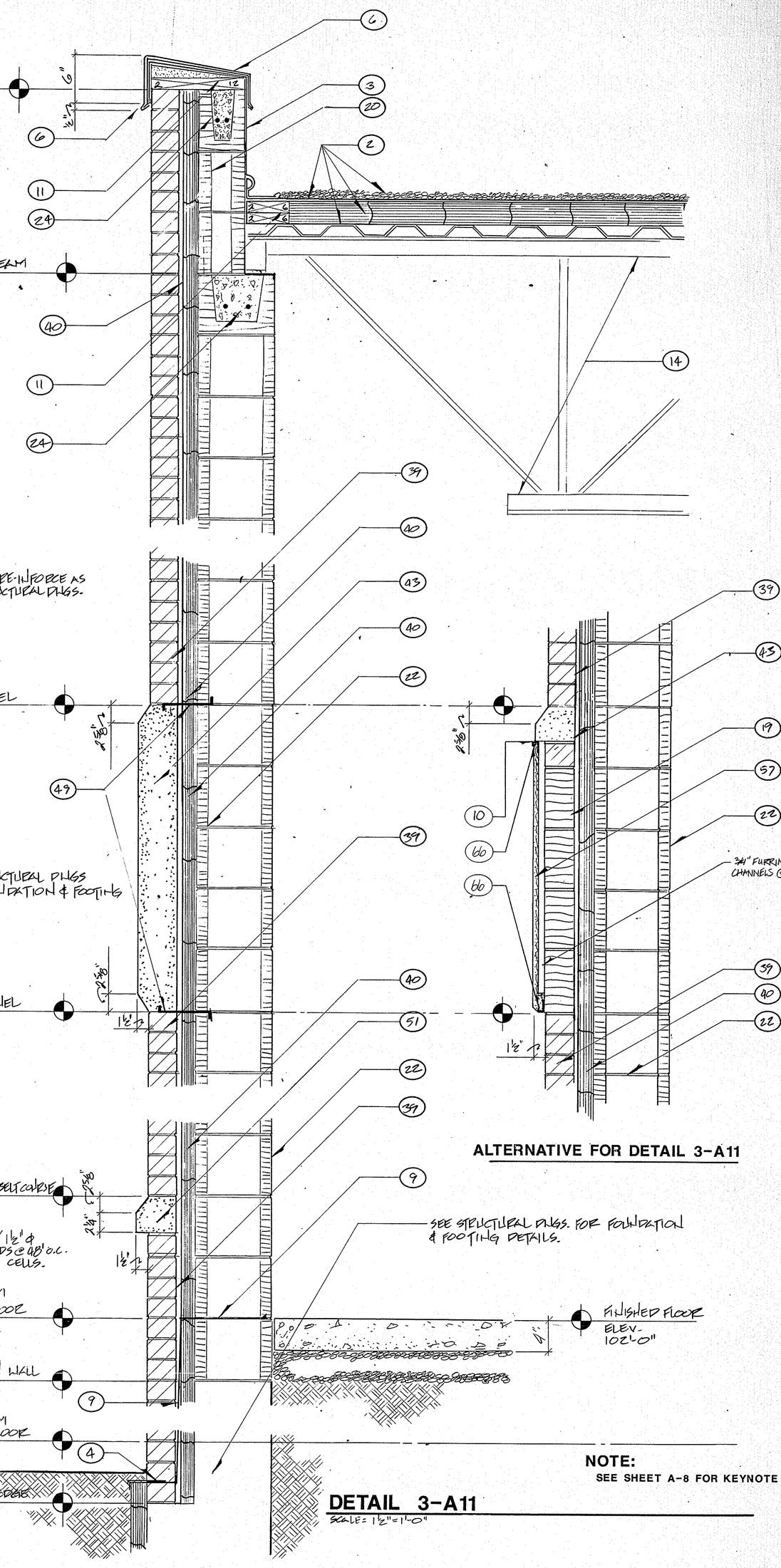
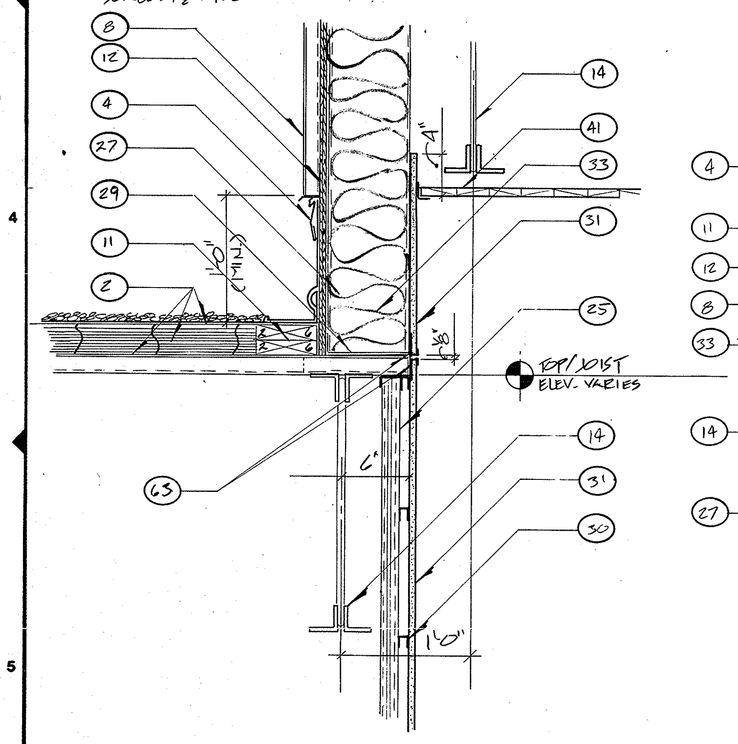


DETAIL 3-A11

SCALE: 1½" = 1'-0"

ALTERNATIVE FOR DETAIL 3-A11



DETAIL 4-A11

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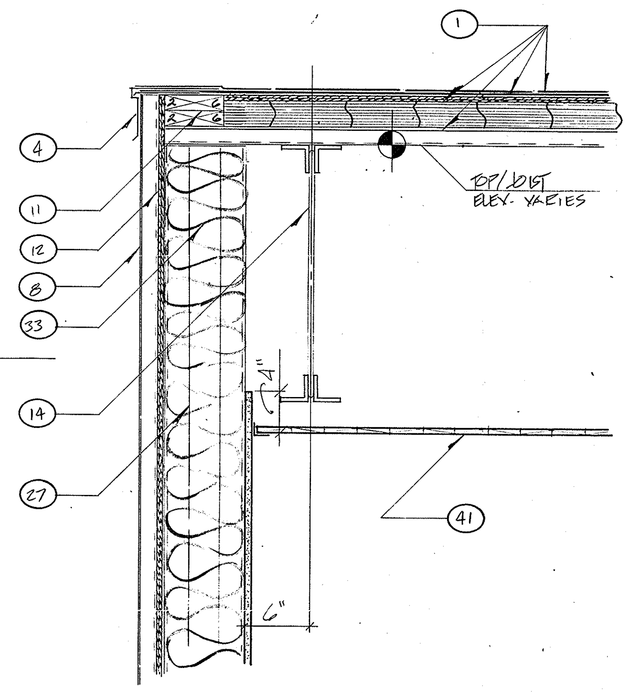

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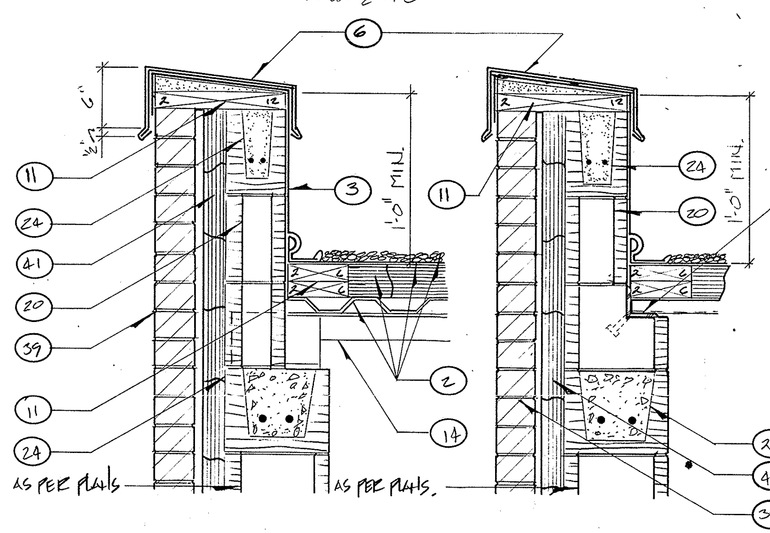
SCALE: 1½" = 1'-0"



DETAIL 6-A11

SCALE 1½" = 1'-0"

DETAIL 7-A11

SCALE 1½" = 1'-0"

NOTE:

SEE SHEET A-8 FOR KEYNOTE LEGEND

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LEE BROCKWAY REGISTERED No. 1666 STATE OF INDIANA ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
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GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

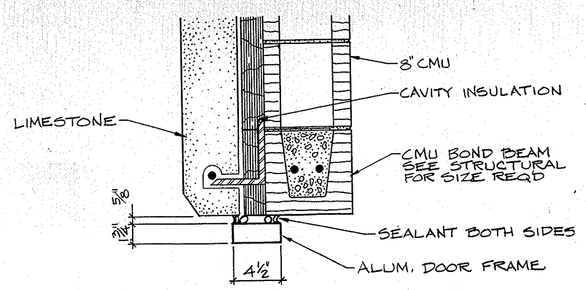
SECTIONS & DETAILS

DRAWN BY: GEM
CHECKED BY: JSF
COMM. NO.: 8712.00
DATE: JAN. 11, 1988
REVISIONS NO. DATE

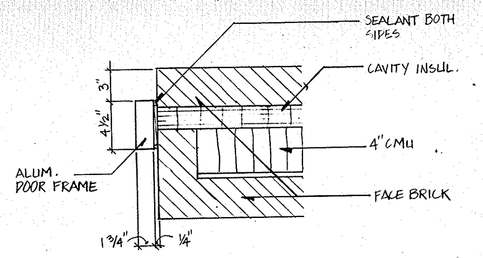
A11

HARRIS TOWNSHIP ELEMENTARY SCHOOL

N01342



DETAIL 1-A12



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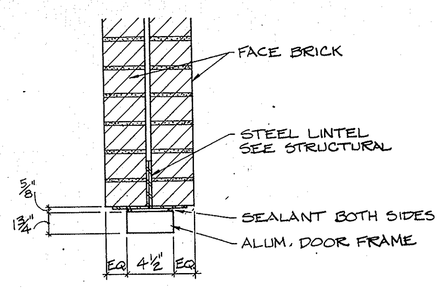

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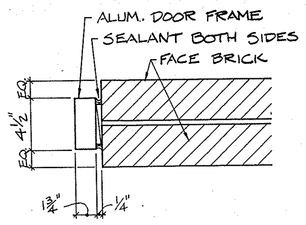

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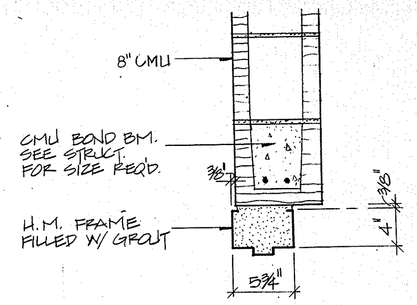

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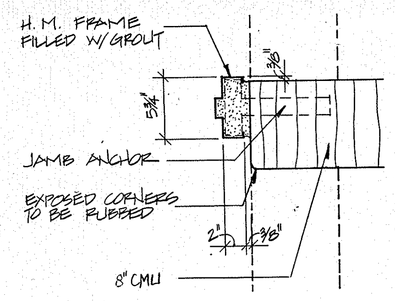
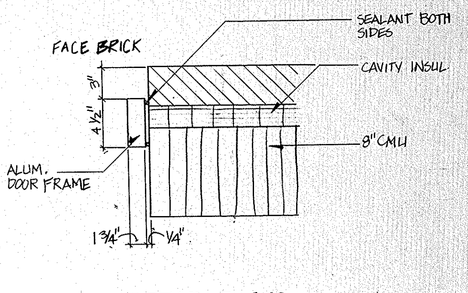
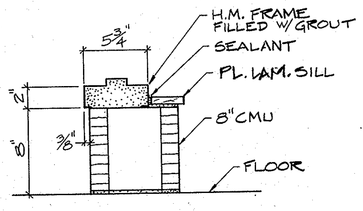


DETAIL 6-A12



DETAIL 7-A12



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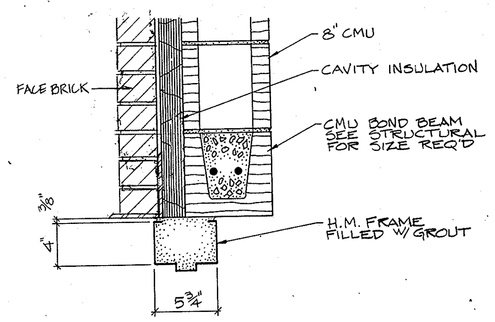

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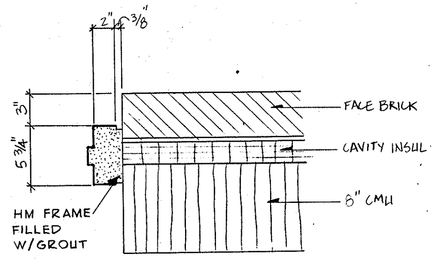
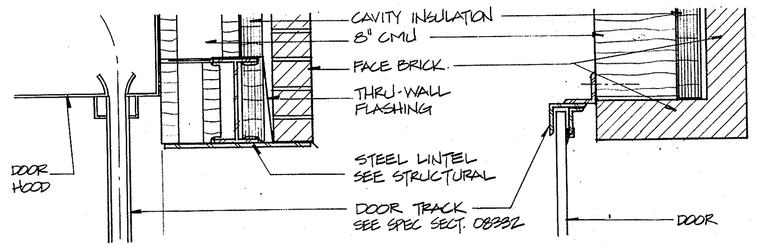
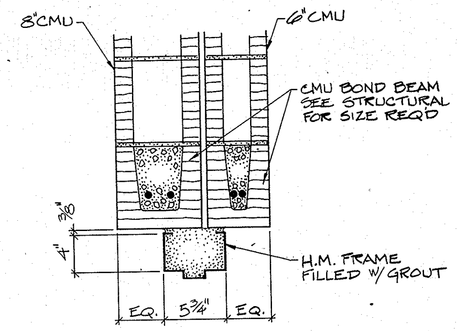


DETAIL 10-A12



DETAIL 11-A12

DETAIL 12-A12



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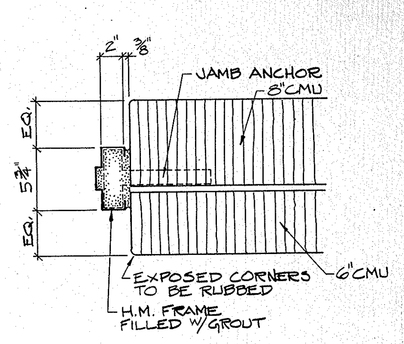
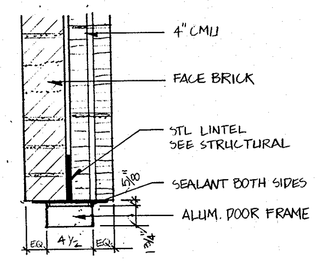
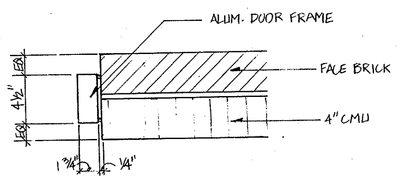


DETAIL 14-A12



DETAIL 15-A12



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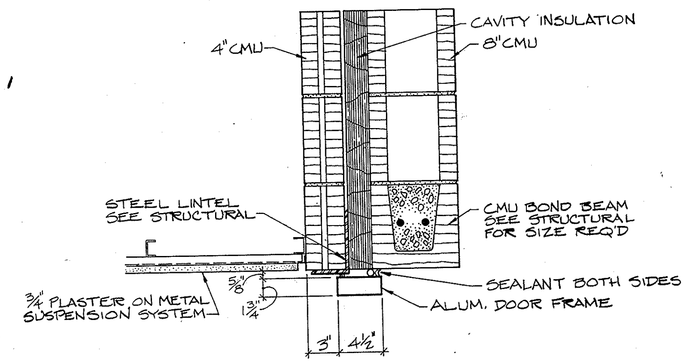

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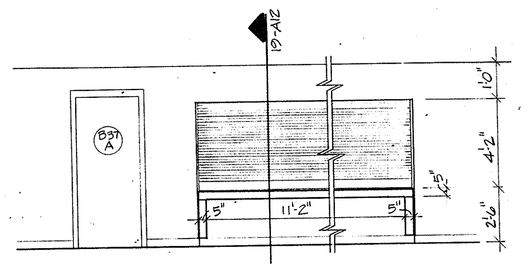
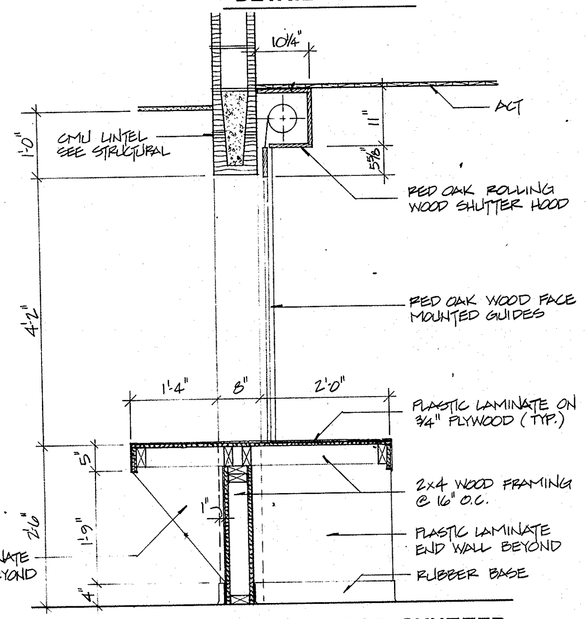


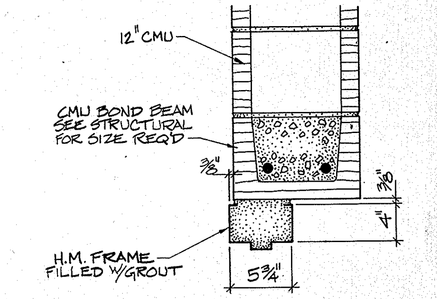
ELEVATION OF ROLLING WOOD SHUTTER
1/4"=1'-0"

DETAIL 18-A12



SECTION OF ROLLING WOOD SHUTTER
3/4"=1'-0"

DETAIL 19-A12



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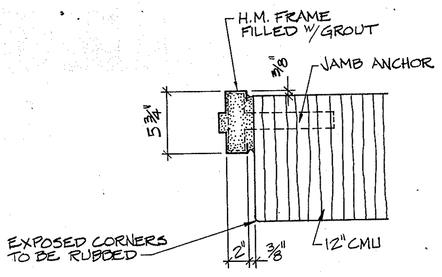

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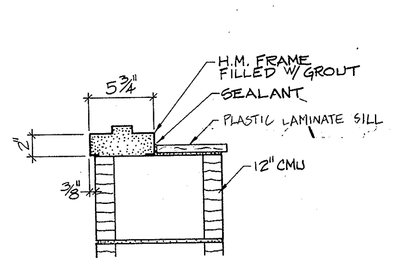

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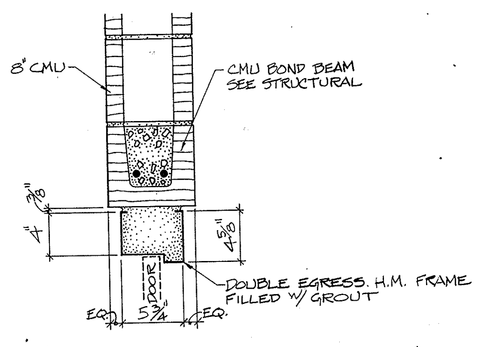
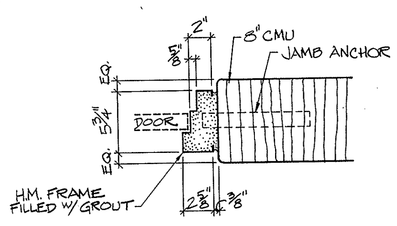


DETAIL 23-A12



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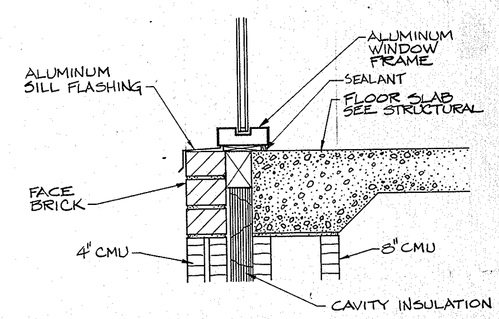
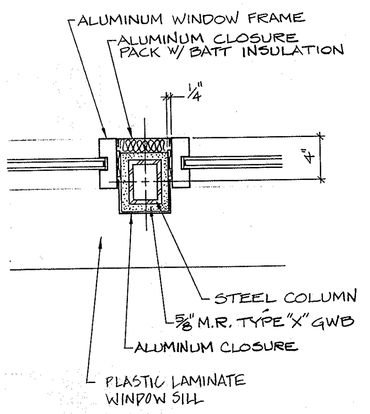
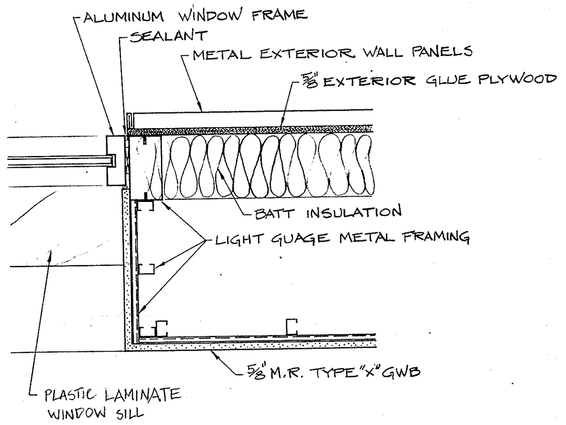


DETAIL 25-A12



DETAIL 26-A12



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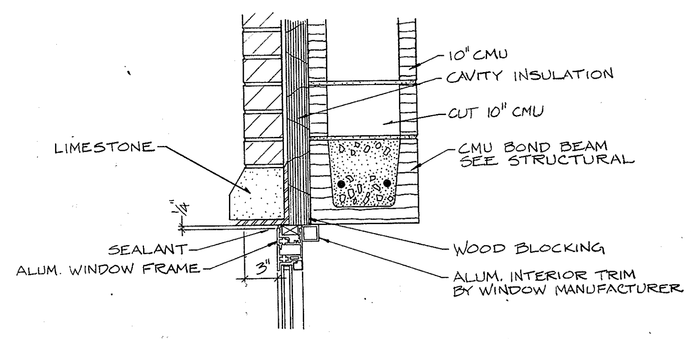

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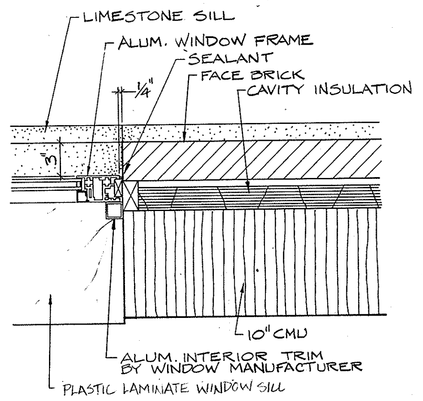

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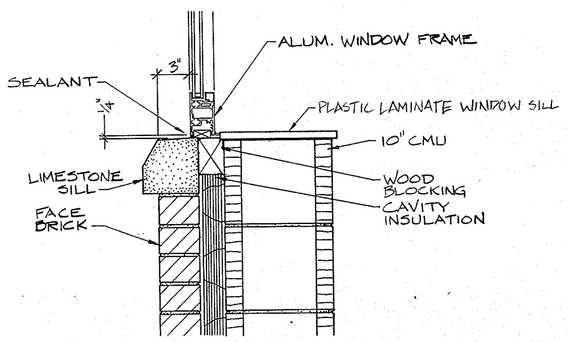

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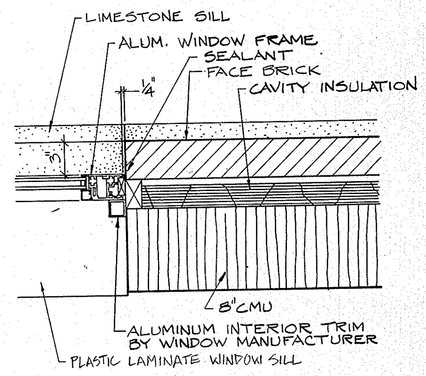

DETAIL 31-A12

SCALE: 1 1/2"=1'-0"
UNLESS OTHERWISE NOTED

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JOHN E. BROCKWAY REGISTERED NO. 11666 STATE OF INDIANA ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
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FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

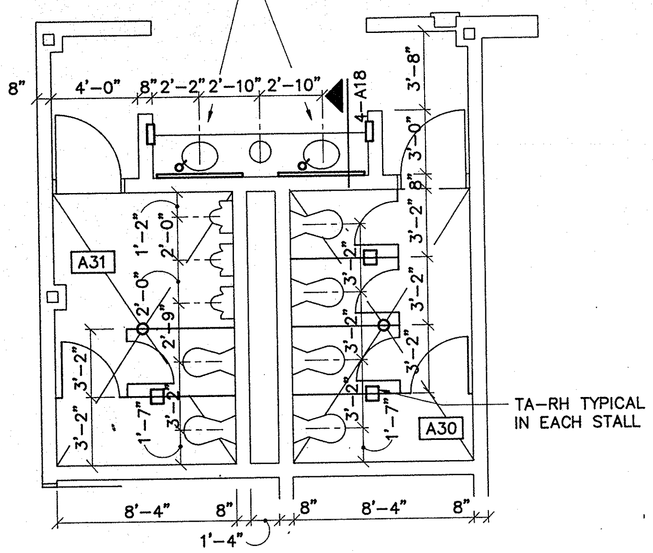
DOOR AND WINDOW DETAILS

DRAWN BY: JS
CHECKED BY: JSF
COMM. NO.: 8712.00
DATE: JAN. 11, 1988
REVISIONS NO. DATE

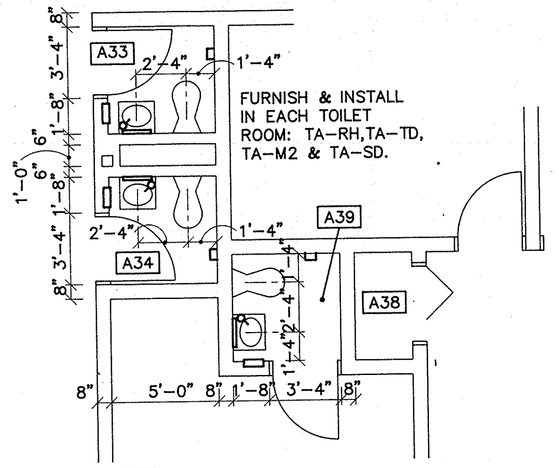
A12

HARRIS TOWNSHIP ELEMENTARY SCHOOL

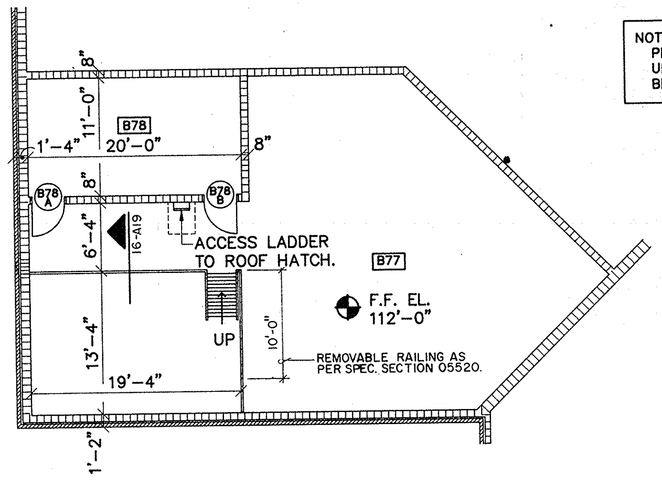
N0342



NOTE:
1. TOILET ROOMS A23,A24,A30 & A31 TO BE USED FOR GRADES 1–3.
2. DIMENSIONS & TOILET ACCESSORIES TO BE SIMILAR FOR ROOMS A23 & A24.

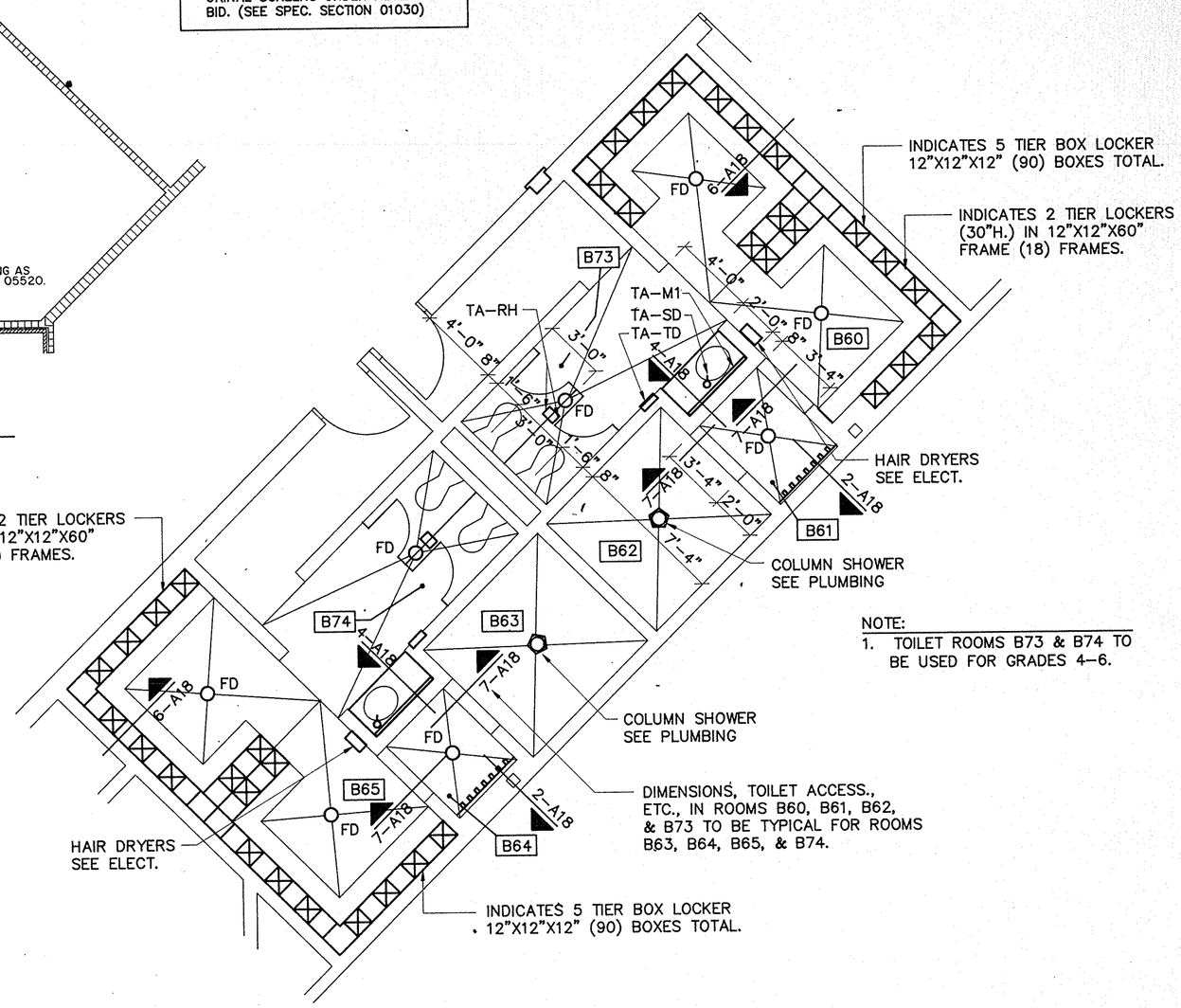


NOTE:
1. TOILET ROOMS A33 & A34 TO BE USED BY KINDERGARTEN.
2. TOILET ROOM A39 TO BE USED BY OTHER.

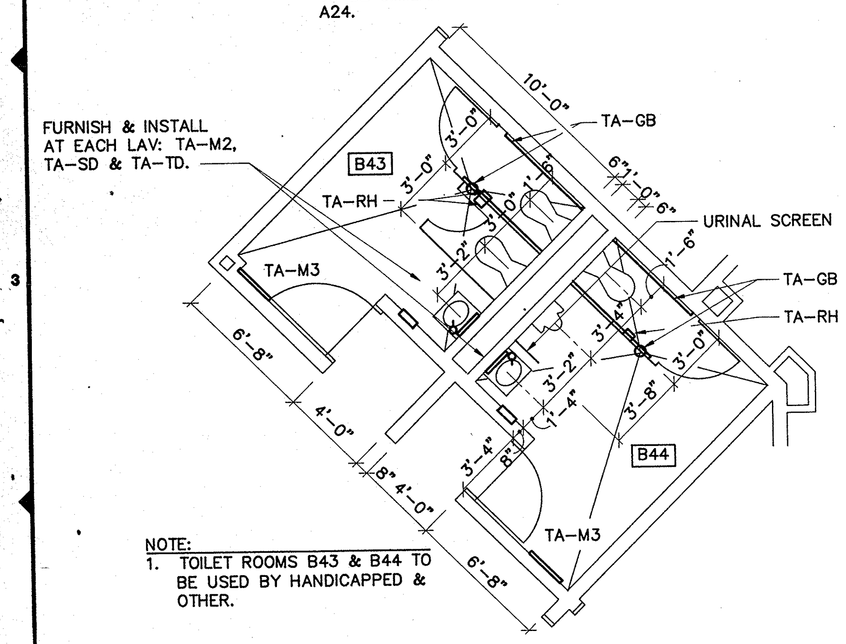


MECHANICAL MEZZANINE PLAN
SCALE 1/8" = 1'-0"

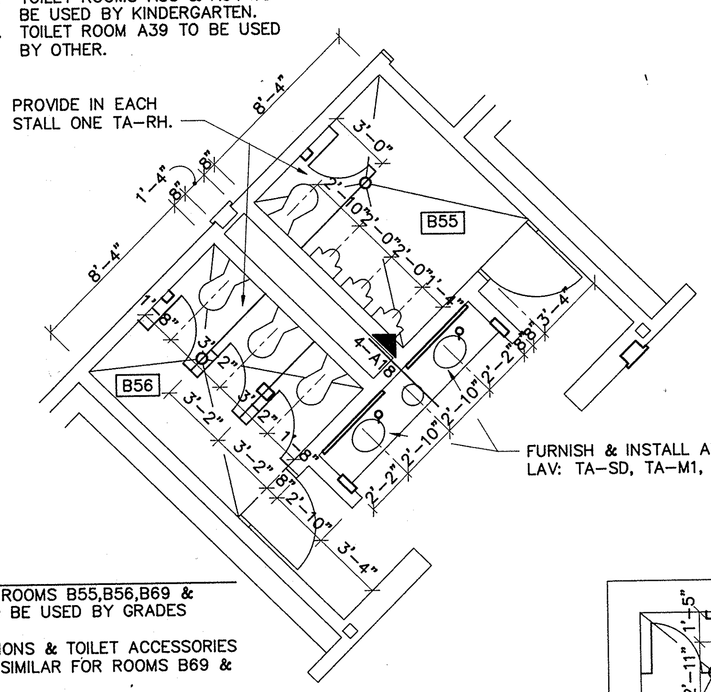
NOTE:
PROVIDE METAL TOILET PARTITIONS & URINAL SCREENS UNDER ALTERNATE BID. (SEE SPEC. SECTION 01030)



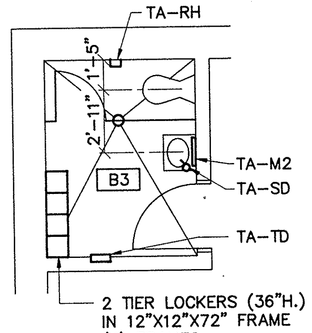
NOTE:
1. TOILET ROOMS B73 & B74 TO BE USED FOR GRADES 4–6.



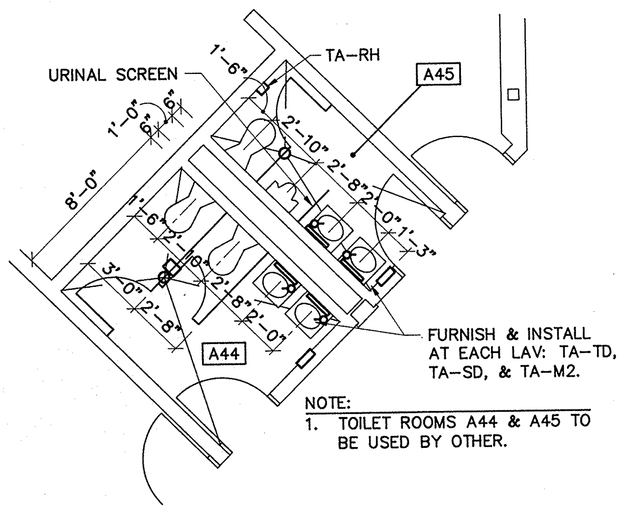
NOTE:
1. TOILET ROOMS B43 & B44 TO BE USED BY HANDICAPPED & OTHER.



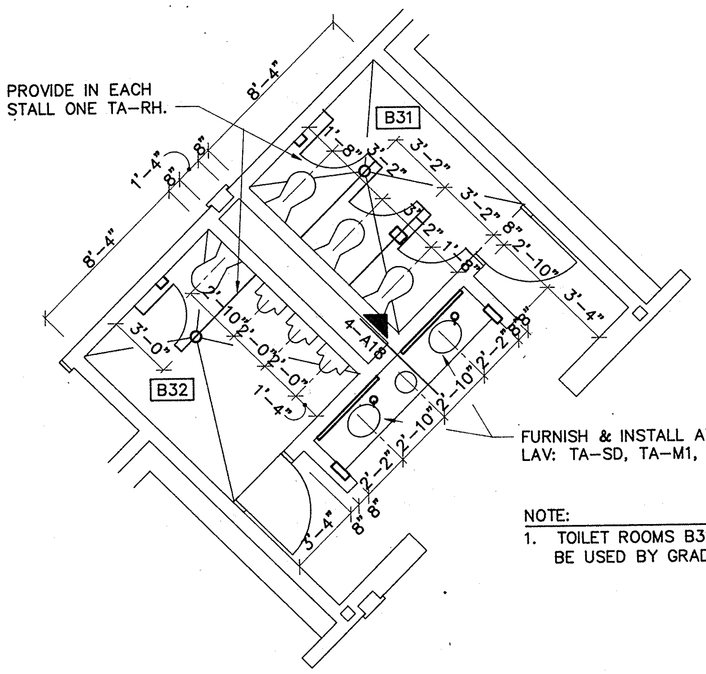
NOTE:
1. TOILET ROOMS B55,B56,B69 & B70 TO BE USED BY GRADES 4–6.
2. DIMENSIONS & TOILET ACCESSORIES TO BE SIMILAR FOR ROOMS B69 & B70.



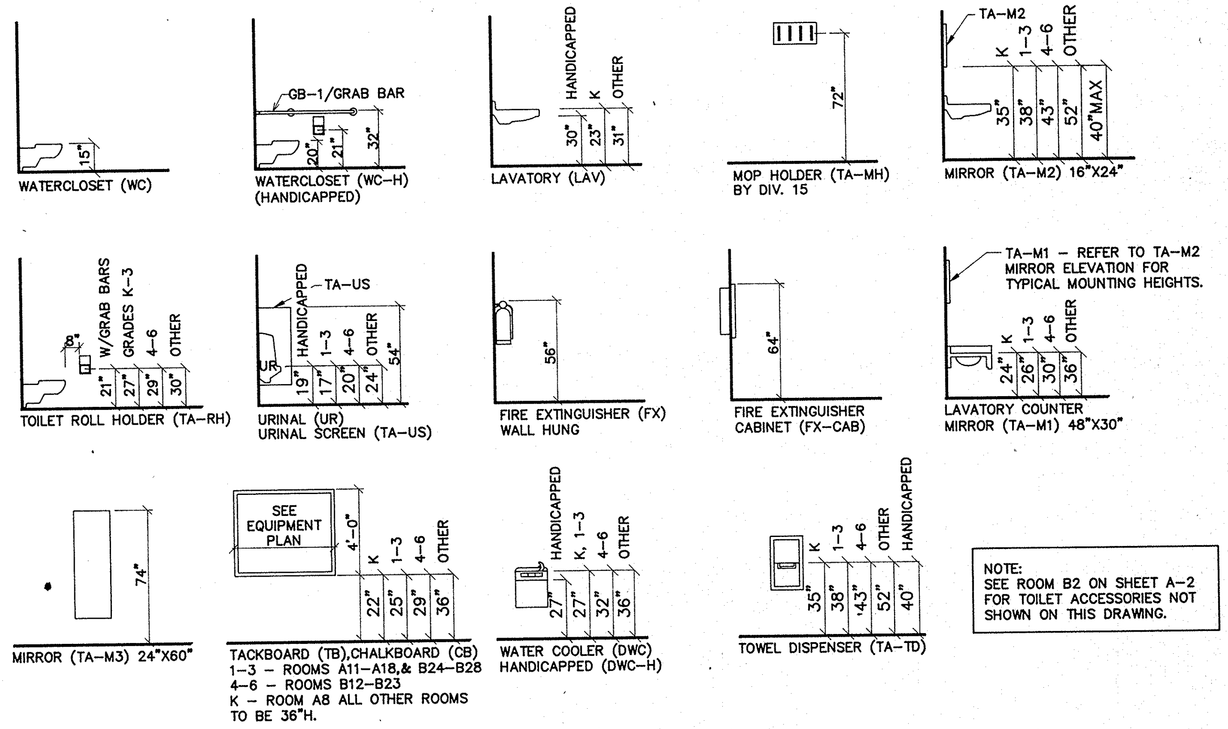
NOTE:
1. TOILET ROOM B3 TO BE USED BY OTHER.



NOTE:
1. TOILET ROOMS A44 & A45 TO BE USED BY OTHER.



NOTE:
1. TOILET ROOMS B31 & B32 TO BE USED BY GRADES 1–3.



NOTE:
SEE ROOM B2 ON SHEET A–2 FOR TOILET ACCESSORIES NOT SHOWN ON THIS DRAWING.

MOUNTING HEIGHTS
1\4"=1'-0"

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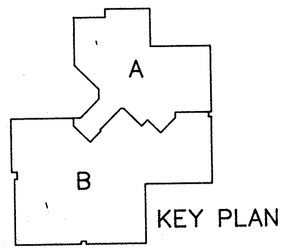
LEE BROCKWAY REGISTERED No. 1666 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN–HARRIS–MADISON SCHOOL CORPORATION
GRANGER, INDIANA



KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

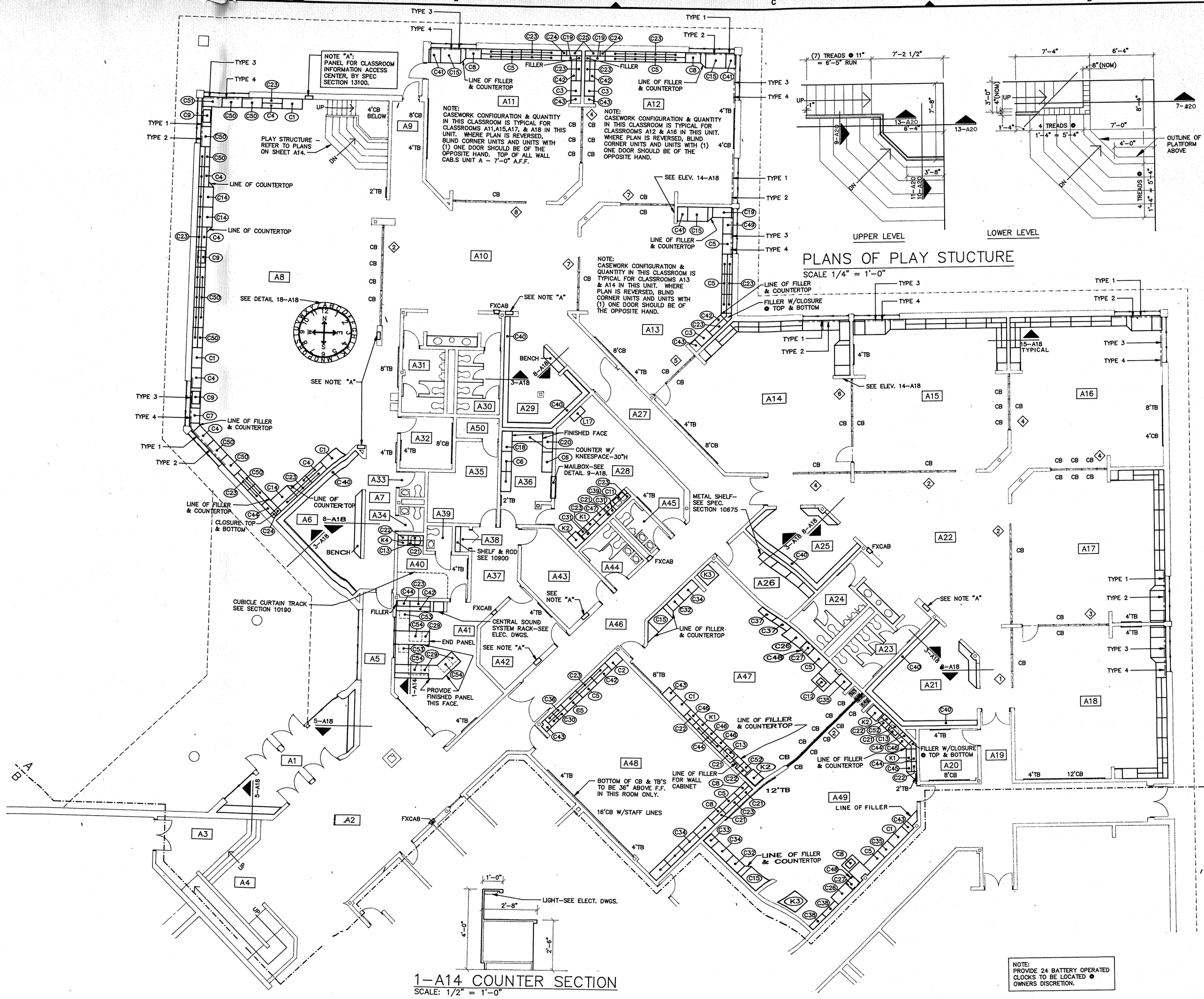
ENLARGED PLANS

DRAWN BY: MLR
CHECKED BY: JFS
COMM. NO.: 8712.00
DATE: JAN. 11,1988

REVISIONS NO. DATE

A–13

HARRIS TOWNSHIP ELEMENTARY SCHOOL



1-A14 COUNTER SECTION
SCALE: 1/2" = 1'-0"

UPPER LEVEL LOWER LEVEL

PLANS OF PLAY STUCTURE
SCALE 1/4" = 1'-0"

ROOM LEGEND UNIT "A"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
A1	VESTIBULE	243	8'-0"
A2	ENTRY	483	VARIES
A3	PLATFORM	123	VARIES
A4	RAMP	180	VARIES
A5	CORRIDOR	176	10'-0"
A6	COAT STORAGE	249	8'-0"
A7	CORRIDOR	176	7'-4"
A8	KINDERGARTEN	2815	7'-4" & VARIES
A9	CORRIDOR	120	7'-4"
A10	EXTENDED LEARNING	1038	7'-0" & 9'-4"
A11	CLASSROOM	900	7'-4" & 9'-4"
A12	CLASSROOM	906	7'-4" & 9'-4"
A13	CLASSROOM	905	7'-4" & 9'-4"
A14	CLASSROOM	905	7'-4" & 9'-4"
A15	CLASSROOM	906	7'-4" & 9'-4"
A16	CLASSROOM	900	7'-4" & 9'-4"
A17	CLASSROOM	906	7'-4" & 9'-4"
A18	CLASSROOM	900	7'-4" & 9'-4"
A19	CORRIDOR	90	9'-4"
A20	CONFERENCE	127	8'-0"
A21	COAT STORAGE	309	8'-0"
A22	EXTENDED LEARNING	908	7'-4" & VARIES
A23	GIRLS' TOILET	132	8'-0"
A24	BOYS' TOILET	132	8'-0"
A25	COAT STORAGE	195	8'-0"
A26	JANITOR	126	8'-0"
A27	CORRIDOR	427	9'-4"
A28	TEACHERS' LOUNGE	444	8'-0"
A29	COAT STORAGE	230	8'-0"
A30	GIRLS' TOILET	128	8'-0"
A31	BOYS' TOILET	128	8'-0"
A32	CONFERENCE	67	8'-0"
A33	TOILET	25	8'-0"
A34	TOILET	25	8'-0"
A35	STORAGE	198	8'-0"
A36	WORK ROOM	215	8'-0"
A37	CORRIDOR	150	8'-0"
A38	CLOSET	13	8'-0"
A39	TOILET	25	8'-0"
A40	HEALTH	140	8'-0"
A41	RECEPTION	420	8'-0"
A42	PRINCIPAL	189	8'-0"
A43	CONFERENCE	208	8'-0"
A44	WOMENS' TOILET	88	8'-0"
A45	MENS' TOILET	55	8'-0"
A46	CORRIDOR	560	9'-4"
A47	PROJECT ACTIVITY	966	VARIES
A48	MUSIC	955	10'-0"
A49	PROJECT ACTIVITY	960	VARIES
A50	ELECTRICAL	32	8'-0"

FOLDING PANEL PARTITION SCHEDULE

MARK	OPENING SIZE	TYPE - SEE SECTION 10652	
1	12'-0"W. X 7'-4"H.	TYPE 1	
2	20'-0"W. X 7'-4"H.	TYPE 1	NOTE: THE F.P.P. IN BETWEEN ROOMS A47 & A49 IS 9'-4"H.
3	17'-2"W. X 7'-4"H.	TYPE 1	
4	11'-2"W. X 7'-4"H.	TYPE 1	
5	11'-4"W. X 7'-4"H.	TYPE 1	
6	16'-8"W. X 7'-4"H.	TYPE 1	
7	10'-8"W. X 7'-4"H.	TYPE 1	
8	14'-6"W. X 7'-4"H.	TYPE 1	
9	13'-10"W. X 7'-4"H.	TYPE 1	
10	55'-0"W. X 12'-0"H.	TYPE 2	

NOTES:
1. FOLDING PANEL PARTITIONS, THAT DO NOT ABUT MASONRY AT THE FREE END WHEN IN THE EXTENDED POSITION, SHALL BE FURNISHED WITH A FLEXIBLE BULB SEAL IN LIEU OF THE 3/4" FIXED JAMB.
2. ALL PARTITIONS SHALL BE PROVIDED WITH A TACKABLE SURFACE ON BOTH SIDES UNLESS NOTED OTHERWISE ON THIS DRAWING.
3. PROVIDE 3'-0"W. X 7'-0"H. SINGLE PASS DOORS WHERE INDICATED ON PLANS.

DRAPERY SCHEDULE

TYPE	WINDOW DIM.	ROD LENGTH	DRAW	RETURNS	OVERLAP	NOTES
1	4'-0" X 9'-0"	10'-0"	LH	RIGHT - 3 1/2"	NONE	ROOM DARKENING - 6" HEADING
2	4'-0" X 9'-0"	10'-0"	LH	RIGHT - 6"	NONE	CLOTH - 6" HEADING
3	4'-0" X 9'-0"	10'-0"	RH	LEFT - 3 1/2"	NONE	ROOM DARKENING - 6" HEADING
4	4'-0" X 9'-0"	10'-0"	RH	LEFT - 6"	NONE	CLOTH - 6" HEADING
5	7'-0" X 6'-0"	7'-0"	LH	RIGHT - 3 1/2"	NONE	ROOM DARKENING - 6" HEADING, WALL MOUNT
6	7'-0" X 6'-0",	7'-0"	LH	RIGHT - 6"	NONE	CLOTH - 6" HEADING, WALL MOUNT
7	7'-0" X 6'-0"	7'-0"	RH	LEFT - 3 1/2"	NONE	ROOM DARKENING - 6" HEADING, WALL MOUNT
8	7'-0" X 6'-0"	7'-0"	RH	LEFT - 6"	NONE	CLOTH - 6" HEADING, WALL MOUNT
9	4'-4" X 6'-0"	7'-0"	RH	LEFT - 3 1/2"	NONE	ROOM DRAKENING - 6" HEADING
10	4'-4" X 6'-0"	7'-0"	RH	LEFT - 6"	NONE	CLOTH - 6" HEADING
11	4'-4" X 6'-0"	7'-0"	LH	RIGHT - 3 1/2"	NONE	ROOM DARKENING - 6" HEADING
12	4'-4" X 6'-0"	7'-0"	LH	RIGHT - 6"	NONE	CLOTH - 6" HEADING
13	4'-0" X 3'-4"	7'-0"	C	LEFT & RIGHT - 3 1/2"	4"	CLOTH - 6" HEADING

NOTES:
1. ALL RODS TO BE CEILING MOUNT UNLESS NOTED OTHERWISE.
2. RH = RIGHT HAND, LH = LEFT HAND, C = CENTER

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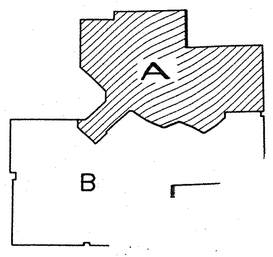
LEE BROCKWAY REGISTERED No. 10666 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA



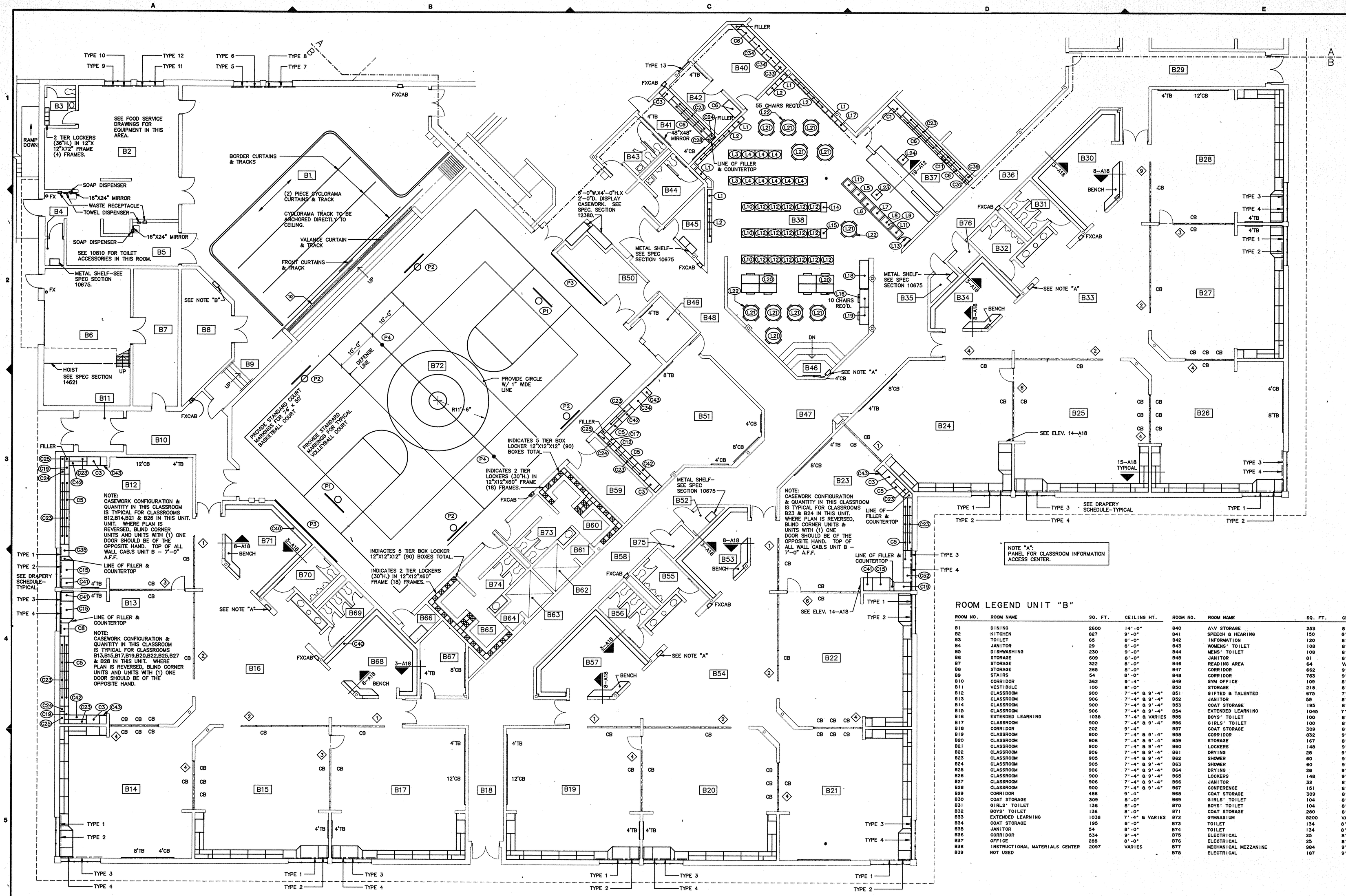
FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

EQUIPMENT PLAN UNIT "A"

DRAWN BY: MLR COMM. NO.: 8712.00
CHECKED BY: JFS DATE: JAN. 11,1988
REVISIONS NO. DATE

A-14

HARRIS TOWNSHIP ELEMENTARY SCHOOL



ROOM LEGEND UNIT "B"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.	ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
B1	DINING	2600	14'-0"	B40	A\V STORAGE	253	8'-0"
B2	KITCHEN	827	9'-0"	B41	SPEECH & HEARING	150	8'-0"
B3	TOILET	65	8'-0"	B42	INFORMATION	120	8'-0"
B4	JANITOR	29	8'-0"	B43	WOMENS' TOILET	108	8'-0"
B5	DISHWASHING	230	9'-0"	B44	MENS' TOILET	108	8'-0"
B6	STORAGE	609	8'-0"	B45	JANITOR	81	8'-0"
B7	STORAGE	322	8'-0"	B46	READING AREA	64	VARIES
B8	STORAGE	265	8'-0"	B47	CORRIDOR	662	9'-4"
B9	STAIRS	54	8'-0"	B48	CORRIDOR	753	9'-4"
B10	CORRIDOR	362	9'-4"	B49	GYM OFFICE	109	8'-0"
B11	VESTIBULE	100	8'-0"	B50	STORAGE	218	8'-0"
B12	CLASSROOM	900	7'-4" & 9'-4"	B51	GIFTED & TALENTED	675	7'-4" & 9'-4"
B13	CLASSROOM	906	7'-4" & 9'-4"	B52	JANITOR	59	8'-0"
B14	CLASSROOM	900	7'-4" & 9'-4"	B53	COAT STORAGE	195	8'-0"
B15	CLASSROOM	906	7'-4" & 9'-4"	B54	EXTENDED LEARNING	1045	7'-4" & VARIES
B16	EXTENDED LEARNING	1038	7'-4" & VARIES	B55	BOYS' TOILET	100	8'-0"
B17	CLASSROOM	900	7'-4" & 9'-4"	B56	GIRLS' TOILET	100	8'-0"
B18	CORRIDOR	202	9'-4"	B57	COAT STORAGE	309	8'-0"
B19	CLASSROOM	900	7'-4" & 9'-4"	B58	CORRIDOR	632	9'-4"
B20	CLASSROOM	906	7'-4" & 9'-4"	B59	STORAGE	167	8'-0"
B21	CLASSROOM	900	7'-4" & 9'-4"	B60	LOCKERS	148	9'-0"
B22	CLASSROOM	906	7'-4" & 9'-4"	B61	DRYING	28	9'-0"
B23	CLASSROOM	905	7'-4" & 9'-4"	B62	SHOWER	60	9'-0"
B24	CLASSROOM	905	7'-4" & 9'-4"	B63	SHOWER	60	9'-0"
B25	CLASSROOM	906	7'-4" & 9'-4"	B64	DRYING	28	9'-0"
B26	CLASSROOM	900	7'-4" & 9'-4"	B65	LOCKERS	148	9'-0"
B27	CLASSROOM	906	7'-4" & 9'-4"	B66	JANITOR	32	8'-0"
B28	CLASSROOM	900	7'-4" & 9'-4"	B67	CONFERENCE	151	8'-0"
B29	CORRIDOR	488	9'-4"	B68	COAT STORAGE	309	8'-0"
B30	COAT STORAGE	309	8'-0"	B69	GIRLS' TOILET	104	8'-0"
B31	GIRLS' TOILET	136	8'-0"	B70	BOYS' TOILET	104	8'-0"
B32	BOYS' TOILET	136	8'-0"	B71	COAT STORAGE	280	8'-0"
B33	EXTENDED LEARNING	1038	7'-4" & VARIES	B72	GYMNASIUM	5200	VARIES
B34	COAT STORAGE	195	8'-0"	B73	TOILET	134	8'-0"
B35	JANITOR	54	8'-0"	B74	TOILET	134	8'-0"
B36	CORRIDOR	534	9'-4"	B75	ELECTRICAL	25	8'-0"
B37	OFFICE	288	8'-0"	B76	ELECTRICAL	25	8'-0"
B38	INSTRUCTIONAL MATERIALS CENTER	2097	VARIES	B77	MECHANICAL MEZZANINE	984	9'-0"
B39	NOT USED			B78	ELECTRICAL	187	9'-0"

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LEE BROCKWAY REGISTERED No. 13866 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN–HARRIS–MADISON SCHOOL CORPORATION
GRANGER, INDIANA

KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

EQUIPMENT PLAN UNIT "B"

DRAWN BY: MLR COMM. NO.: 8712.00
CHECKED BY: JFS DATE: JAN. 11,1988

REVISIONS NO. DATE

A–15

HARRIS TOWNSHIP ELEMENTARY SCHOOL

ROOM LEGEND UNIT "A"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
A1	VESTIBULE	243	8'-0"
A2	ENTRY	483	VARIES
A3	PLATFORM	123	VARIES
A4	RAMP	180	VARIES
A5	CORRIDOR	176	10'-0"
A6	COAT STORAGE	249	8'-0"
A7	CORRIDOR	176	7'-4"
A8	KINDERGARTEN	2815	7'-4" & VARIES
A9	CORRIDOR	120	7'-4"
A10	EXTENDED LEARNING	1038	7'-0" & 9'-4"
A11	CLASSROOM	900	7'-4" & 9'-4"
A12	CLASSROOM	906	7'-4" & 9'-4"
A13	CLASSROOM	905	7'-4" & 9'-4"
A14	CLASSROOM	905	7'-4" & 9'-4"
A15	CLASSROOM	906	7'-4" & 9'-4"
A16	CLASSROOM	900	7'-4" & 9'-4"
A17	CLASSROOM	906	7'-4" & 9'-4"
A18	CLASSROOM	900	7'-4" & 9'-4"
A19	CORRIDOR	90	9'-4"
A20	CONFERENCE	127	8'-0"
A21	COAT STORAGE	309	8'-0"
A22	EXTENDED LEARNING	908	7'-4" & VARIES
A23	GIRLS' TOILET	132	8'-0"
A24	BOYS' TOILET	132	8'-0"
A25	COAT STORAGE	195	8'-0"
A26	JANITOR	126	8'-0"
A27	CORRIDOR	427	9'-4"
A28	TEACHERS' LOUNGE	444	8'-0"
A29	COAT STORAGE	230	8'-0"
A30	GIRLS' TOILET	128	8'-0"
A31	BOYS' TOILET	128	8'-0"
A32	CONFERENCE	67	8'-0"
A33	TOILET	25	8'-0"
A34	TOILET	25	8'-0"
A35	STORAGE	198	8'-0"
A36	WORK ROOM	215	8'-0"
A37	CORRIDOR	150	8'-0"
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A39	TOILET	25	8'-0"
A40	HEALTH	140	8'-0"
A41	RECEPTION	420	8'-0"
A42	PRINCIPAL	189	8'-0"
A43	CONFERENCE	208	8'-0"
A44	WOMENS' TOILET	88	8'-0"
A45	MENS' TOILET	55	8'-0"
A46	CORRIDOR	560	9'-4"
A47	PROJECT ACTIVITY	966	VARIES
A48	MUSIC	955	10'-0"
A49	PROJECT ACTIVITY	960	VARIES
A50	ELECTRICAL	32	8'-0"

REFLECTED CEILING PLAN LEGEND

- CEILING TYPE
- CEILING HEIGHT (V – varies)
- LIGHT FIXTURES – SEE ELECTRICAL
- LOUVER – SEE MECHANICAL
- SPEAKERS – SEE ELECTRICAL

1. ACOUSTICAL CEILING TILE TYPE 1
2. ACOUSTICAL CEILING TILE TYPE 2
3. ACOUSTICAL CEILING TILE TYPE 3
4. GYPSUM WALLBOARD
5. PLASTER
6. PAINTED EXPOSED STRUCTURE

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A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN–HARRIS–MADISON SCHOOL CORPORATION
GRANGER, INDIANA

KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

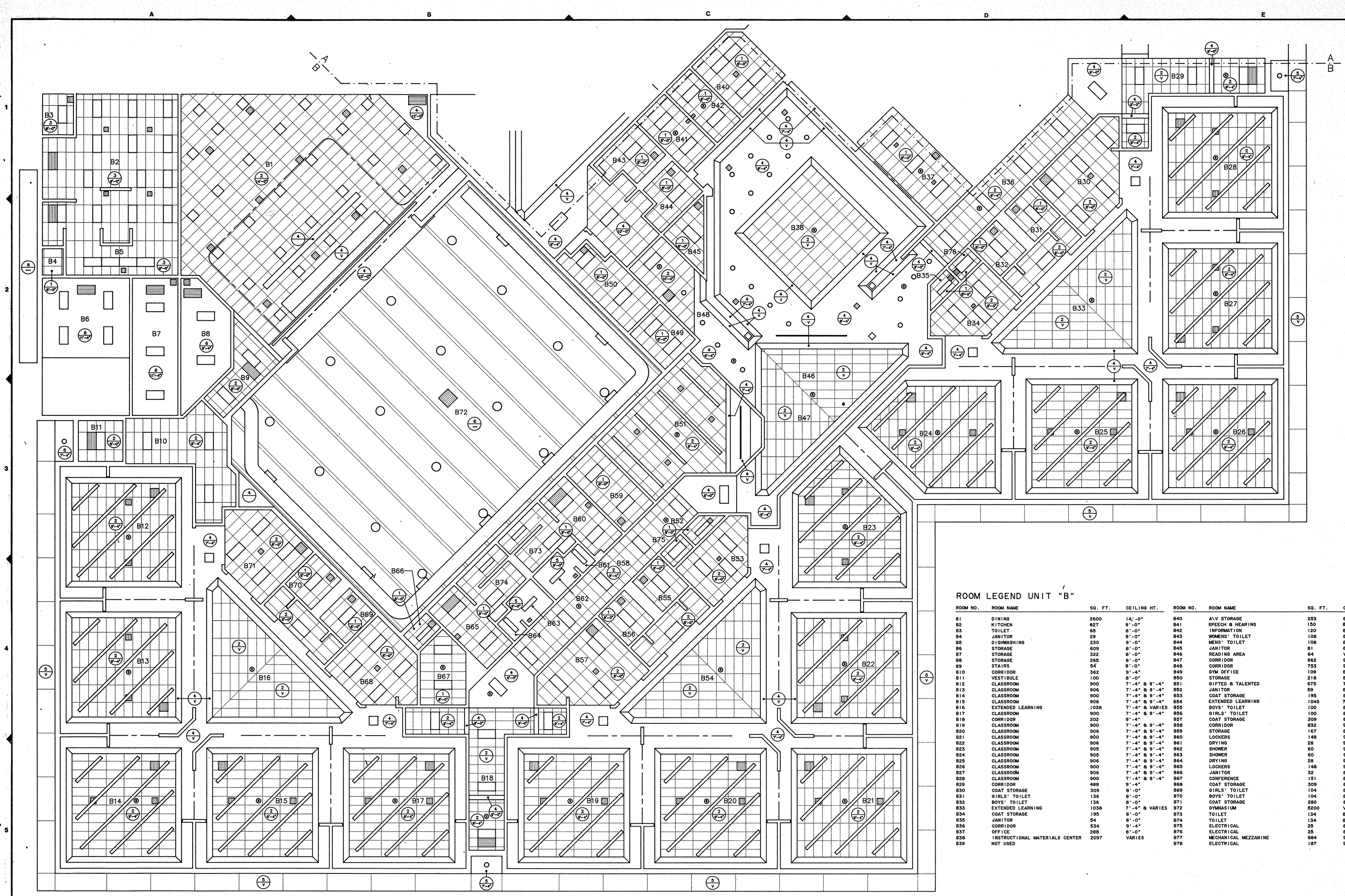
CEILING PLAN UNIT "A"

DRAWN BY: RGB COMM. NO.: 8712.00
CHECKED BY: JFS DATE: JAN. 11,1988
REVISIONS NO. DATE

A–16

HARRIS TOWNSHIP ELEMENTARY SCHOOL

22



ROOM LEGEND UNIT "B"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.	ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
B1	DINING	2600	14'-0"	B40	A\V STORAGE	253	8'-0"
B2	KITCHEN	827	9'-0"	B41	SPEECH & HEARING	150	8'-0"
B3	TOILET	65	8'-0"	B42	INFORMATION	120	8'-0"
B4	JANITOR	29	8'-0"	B43	WOMENS' TOILET	108	8'-0"
B5	DISHWASHING	230	9'-0"	B44	MENS' TOILET	108	8'-0"
B6	STORAGE	609	8'-0"	B45	JANITOR	61	8'-0"
B7	STORAGE	322	8'-0"	B46	READING AREA	64	VARIES
B8	STORAGE	265	8'-0"	B47	CORRIDOR	662	9'-4"
B9	STAIRS	54	8'-0"	B48	CORRIDOR	753	9'-4"
B10	CORRIDOR	362	9'-4"	B49	GYM OFFICE	109	8'-0"
B11	VESTIBULE	100	8'-0"	B50	STORAGE	218	8'-0"
B12	CLASSROOM	900	7'-4" & 9'-4"	B51	GIFTED & TALENTED	675	7'-4" & 9'-4"
B13	CLASSROOM	906	7'-4" & 9'-4"	B52	JANITOR	59	8'-0"
B14	CLASSROOM	900	7'-4" & 9'-4"	B53	COAT STORAGE	195	8'-0"
B15	CLASSROOM	906	7'-4" & 9'-4"	B54	EXTENDED LEARNING	1045	7'-4" & VARIES
B16	EXTENDED LEARNING	1038	7'-4" & VARIES	B55	BOYS' TOILET	100	8'-0"
B17	CLASSROOM	900	7'-4" & 9'-4"	B56	GIRLS' TOILET	100	8'-0"
B18	CORRIDOR	202	9'-4"	B57	COAT STORAGE	309	8'-0"
B19	CLASSROOM	900	7'-4" & 9'-4"	B58	CORRIDOR	832	9'-4"
B20	CLASSROOM	906	7'-4" & 9'-4"	B59	STORAGE	167	8'-0"
B21	CLASSROOM	900	7'-4" & 9'-4"	B60	LOCKERS	148	9'-0"
B22	CLASSROOM	906	7'-4" & 9'-4"	B61	DRYING	28	9'-0"
B23	CLASSROOM	905	7'-4" & 9'-4"	B62	SHOWER	60	9'-0"
B24	CLASSROOM	905	7'-4" & 9'-4"	B63	SHOWER	60	9'-0"
B25	CLASSROOM	906	7'-4" & 9'-4"	B64	DRYING	28	9'-0"
B26	CLASSROOM	900	7'-4" & 9'-4"	B65	LOCKERS	148	9'-0"
B27	CLASSROOM	906	7'-4" & 9'-4"	B66	JANITOR	32	8'-0"
B28	CLASSROOM	900	7'-4" & 9'-4"	B67	CONFERENCE	151	8'-0"
B29	CORRIDOR	488	9'-4"	B68	COAT STORAGE	309	8'-0"
B30	COAT STORAGE	309	8'-0"	B69	GIRLS' TOILET	104	8'-0"
B31	GIRLS' TOILET	136	8'-0"	B70	BOYS' TOILET	104	8'-0"
B32	BOYS' TOILET	136	8'-0"	B71	COAT STORAGE	280	8'-0"
B33	EXTENDED LEARNING	1038	7'-4" & VARIES	B72	GYMNASIUM	5200	VARIES
B34	COAT STORAGE	195	8'-0"	B73	TOILET	134	8'-0"
B35	JANITOR	54	8'-0"	B74	TOILET	134	8'-0"
B36	CORRIDOR	534	9'-4"	B75	ELECTRICAL	25	8'-0"
B37	OFFICE	288	8'-0"	B76	ELECTRICAL	25	8'-0"
B38	INSTRUCTIONAL MATERIALS CENTER	2097	VARIES	B77	MECHANICAL MEZZANINE	984	9'-0"
B39	NOT USED			B78	ELECTRICAL	187	9'-0"

SEE REFLECTED CEILING PLAN LEGEND ON SHEET A-16

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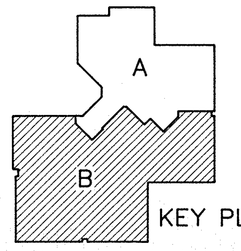
LEE BROOKING REGISTERED No. 10866 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN–HARRIS–MADISON SCHOOL CORPORATION
GRANGER, INDIANA



KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

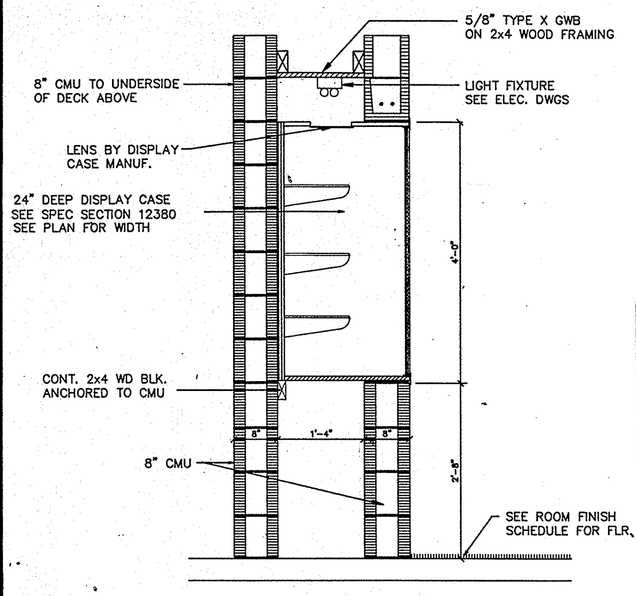
CEILING PLAN UNIT "B"

DRAWN BY: RGB COMM. NO.: 8712.00
CHECKED BY: JFS DATE: JAN. 11,1988

REVISIONS NO. DATE

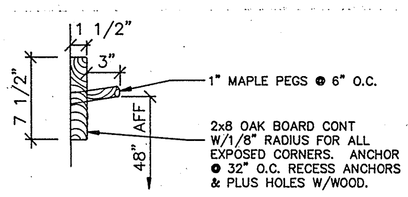
A–17

HARRIS TOWNSHIP ELEMENTARY SCHOOL



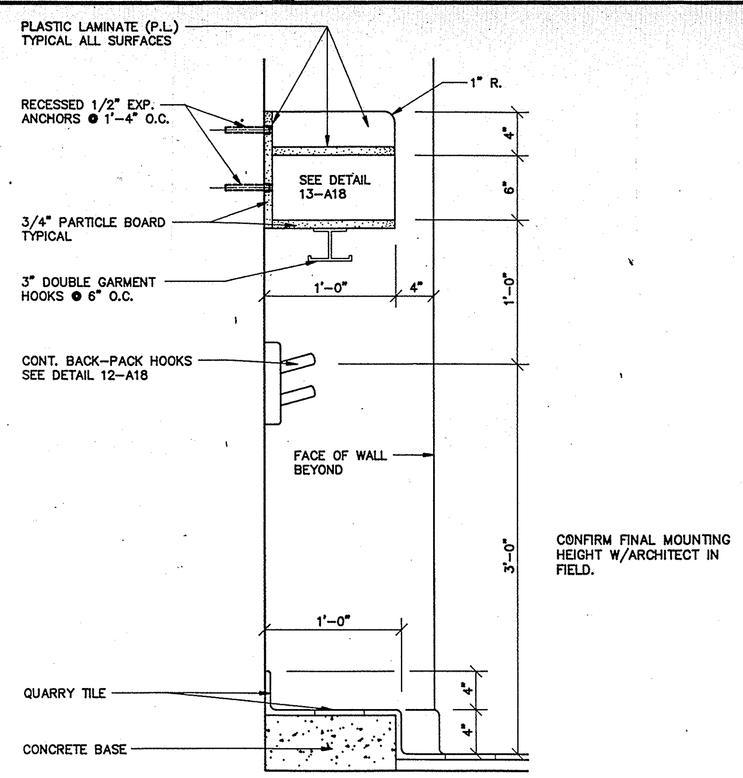
1-A18 DISPLAY CASE SECTION

SCALE: 3/4"=1'-0"



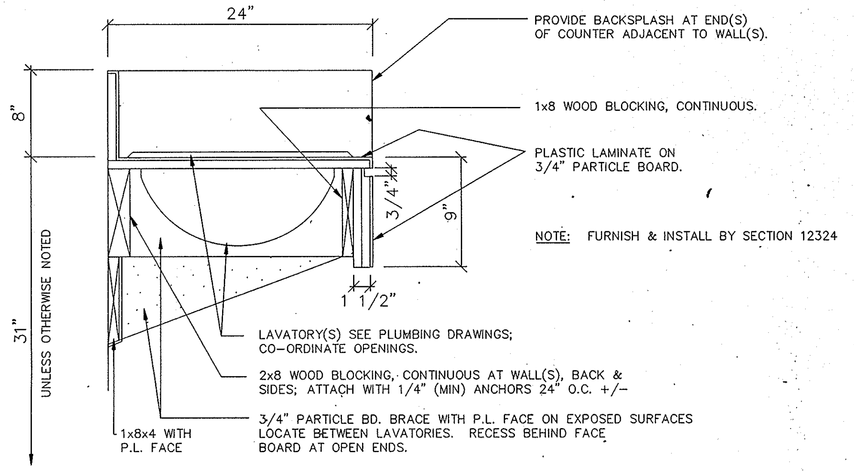
2-A18 HOOK DETAIL

SCALE: 1 1/2"=1'-0"



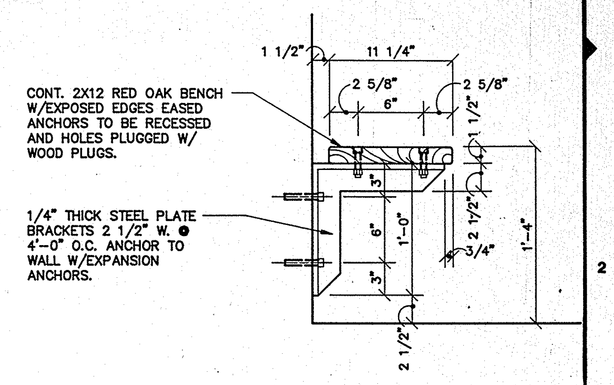
3-A18 COAT RACK & SHELF DETAIL

SCALE: 1 1/2"=1'-0"



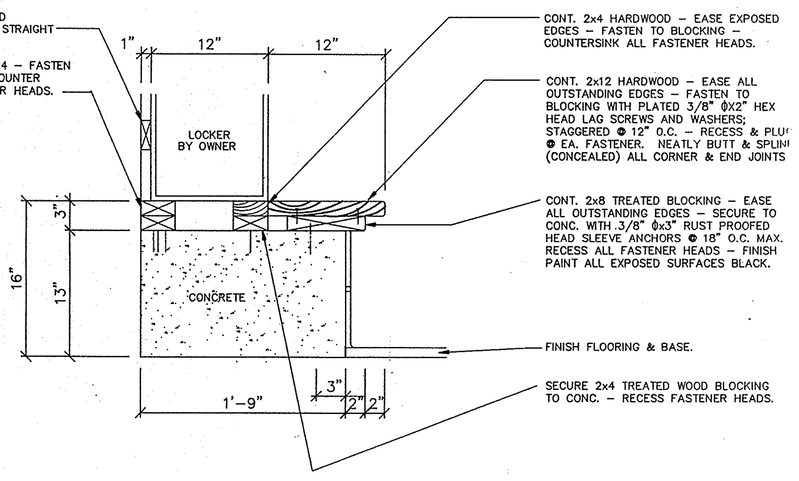
4-A18 LAVATORY/COUNTER DETAIL

SCALE: 1 1/2"=1'-0"



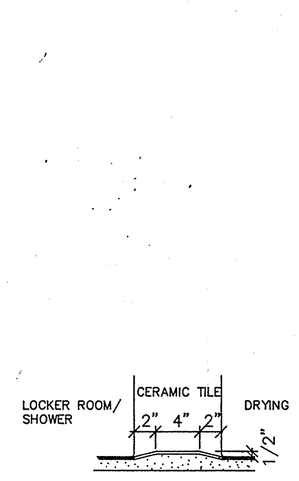
5-A18 VESTIBULE BENCH DETAIL

SCALE: 1 1/2"=1'-0"



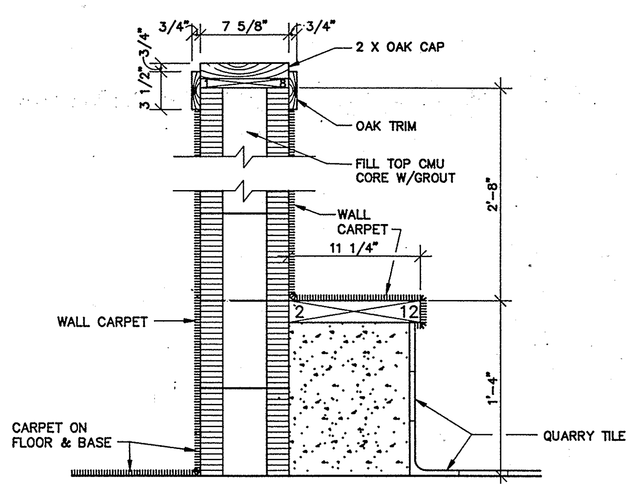
6-A18 LOCKER BENCH DETAIL

SCALE: 1 1/2"=1'-0"



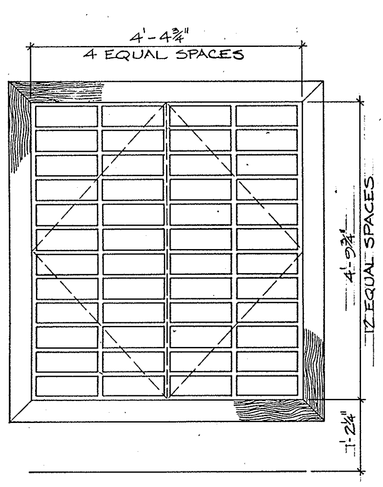
7-A18 CURB DETAIL

SCALE: 1 1/2"=1'-0"



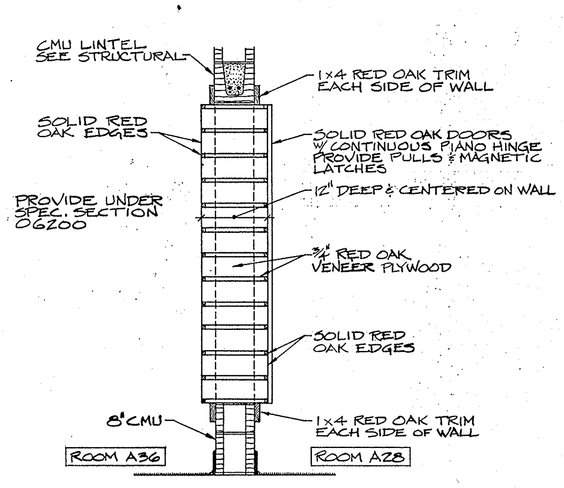
8-A18 COAT STORAGE BENCH DETAIL

SCALE: 1 1/2"=1'-0"



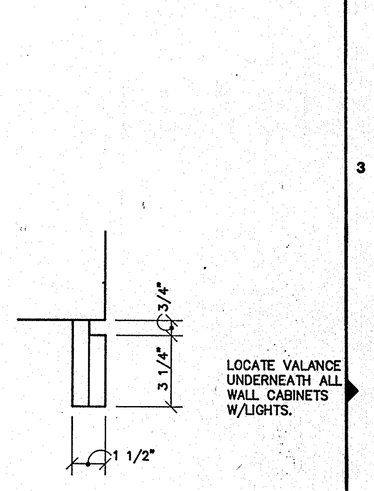
9-A18 MAILBOX DETAIL

SCALE: 3/4"=1'-0"



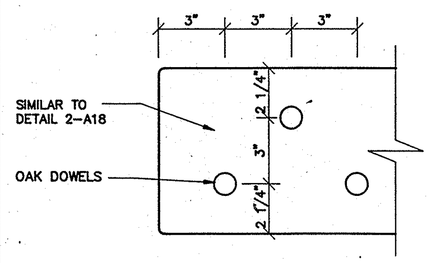
10-A18 DETAIL

SCALE: 3"=1'-0"



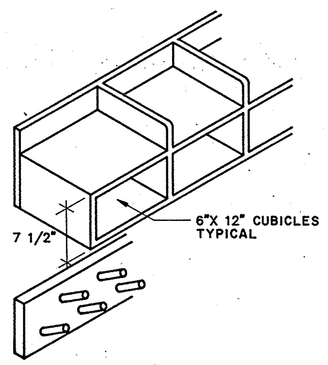
11-A18 VALANCE DTL (ALT.#26)

SCALE: 3"=1'-0"



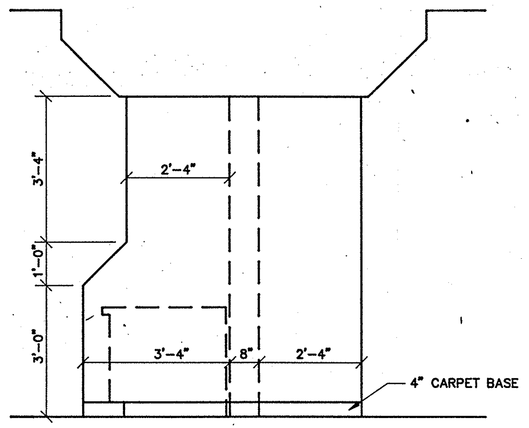
12-A18 PARTIAL HOOK ELEV.

SCALE: 3"=1'-0"



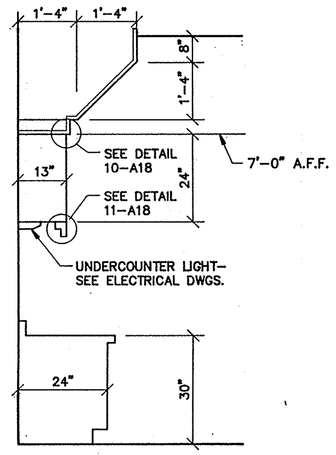
13-A18 ITEM C40 PARTIAL ISOMETRIC

SCALE: 1"=1'-0"



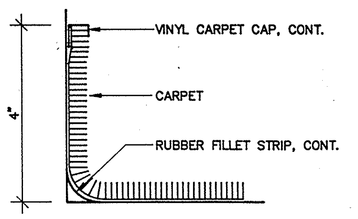
14-A18 ELEVATION

SCALE: 1/2"=1'-0"



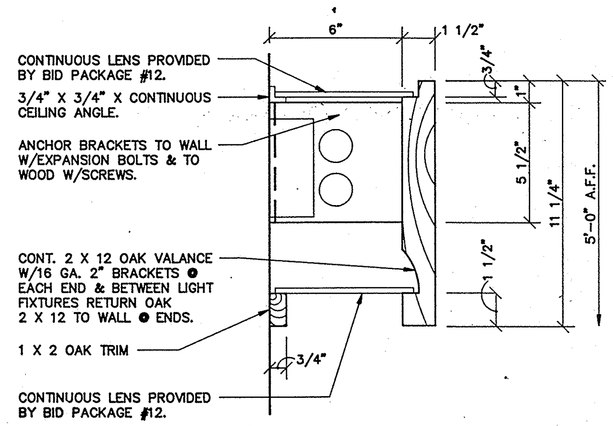
15-A18 SECTION AT CASEWORK

SCALE: 1/2"=1'-0"



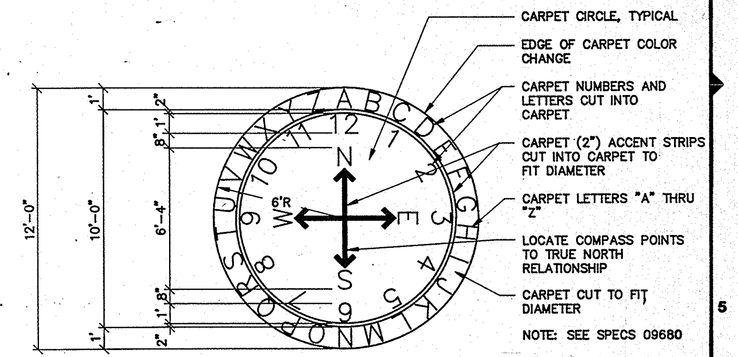
16-A18 CARPET BASE

SCALE: 6"=1'-0"



17-A18 VALANCE DETAIL

SCALE: 3"=1'-0"



18-A18 ALPHABET CIRCLE

SCALE: 1/4"=1'-0"

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W.E. BROCKWAY REGISTERED No. 6666 STATE OF INDIANA ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

DETAILS

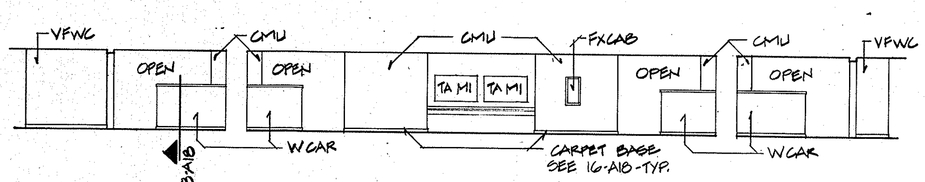
DRAWN BY: MLR COMM. NO.: 8712.00
CHECKED BY: JFS DATE: JAN.11, 1988

REVISIONS NO. DATE

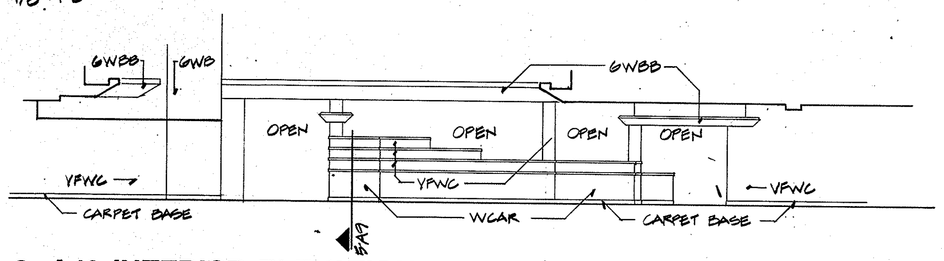
A-18

HARRIS TOWNSHIP ELEMENTARY SCHOOL

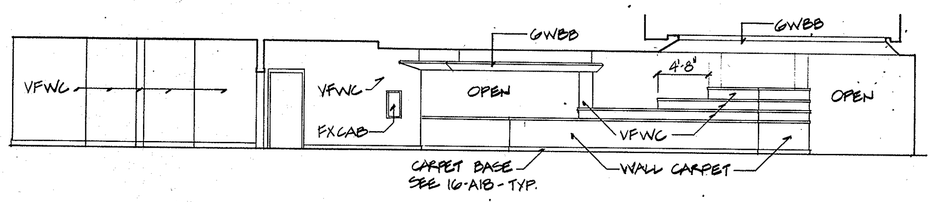
25



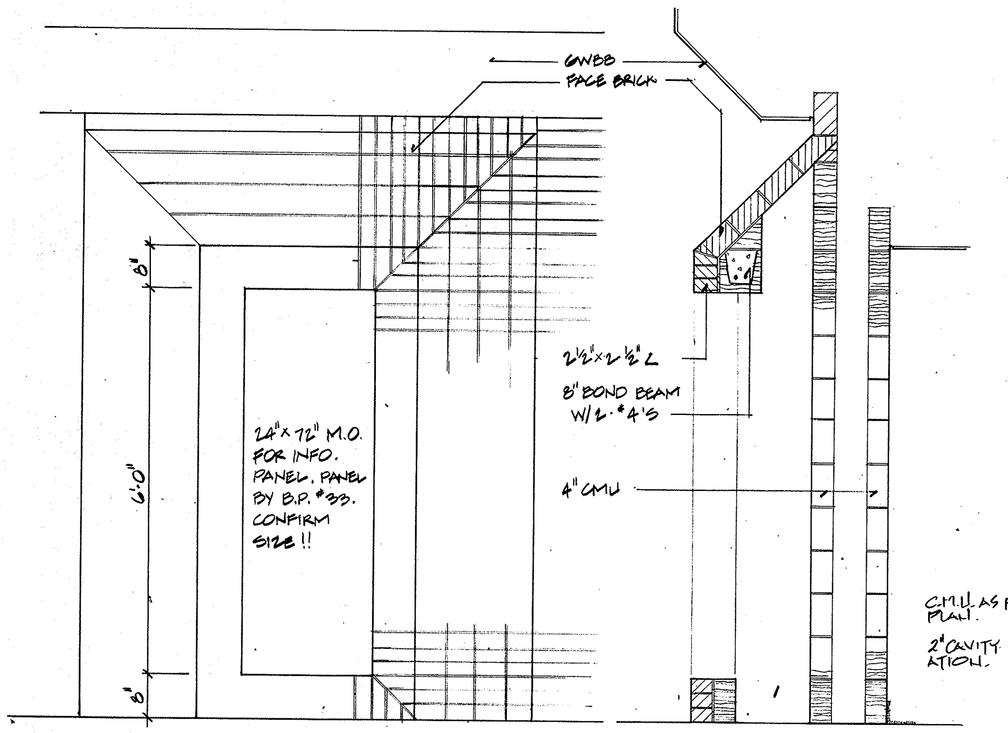
1-A19 INTERIOR ELEVATION
SW WALL
ROOM A22 - B16, B33 & B54 SIMILAR
1/8"=1'-0"

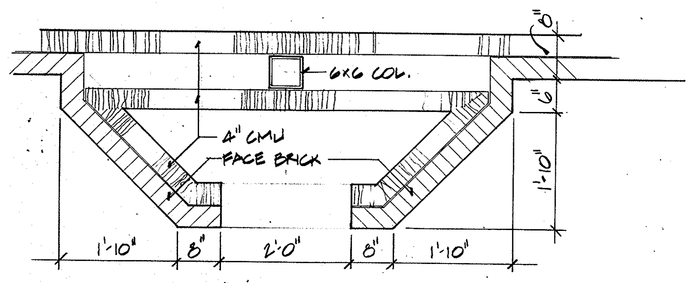


2-A19 INTERIOR ELEVATION
NW WALL - ROOM B47
1/8"=1'-0"



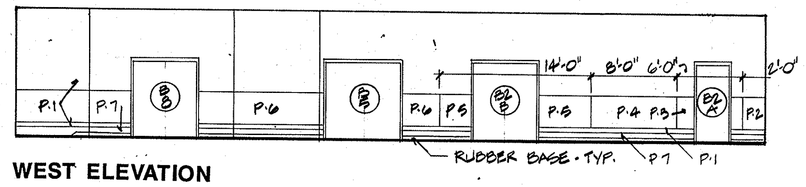
3-A19 INTERIOR ELEVATION
NW WALL - ROOM B48
1/8"=1'-0"



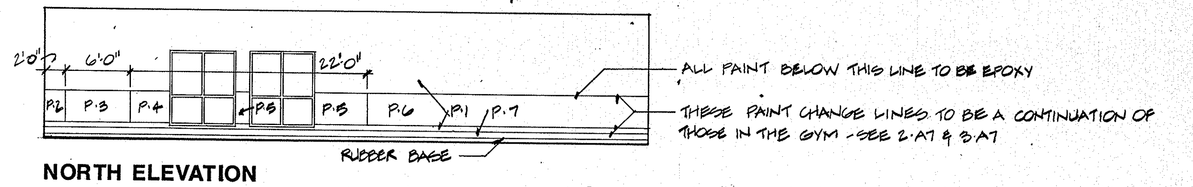


PLAN

4-A19 INFORMATION KIOSK DETAILS
3/4"=1'-0"

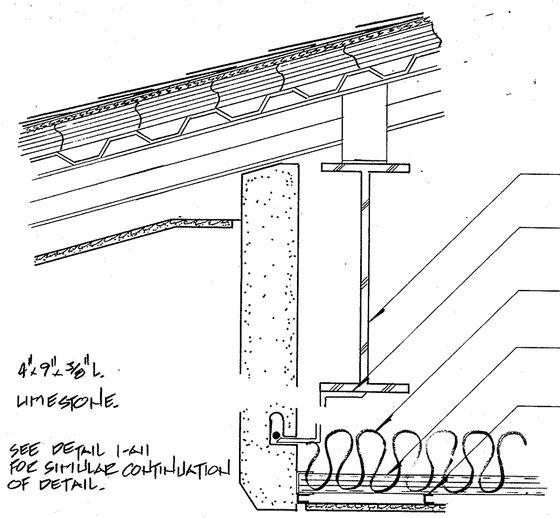


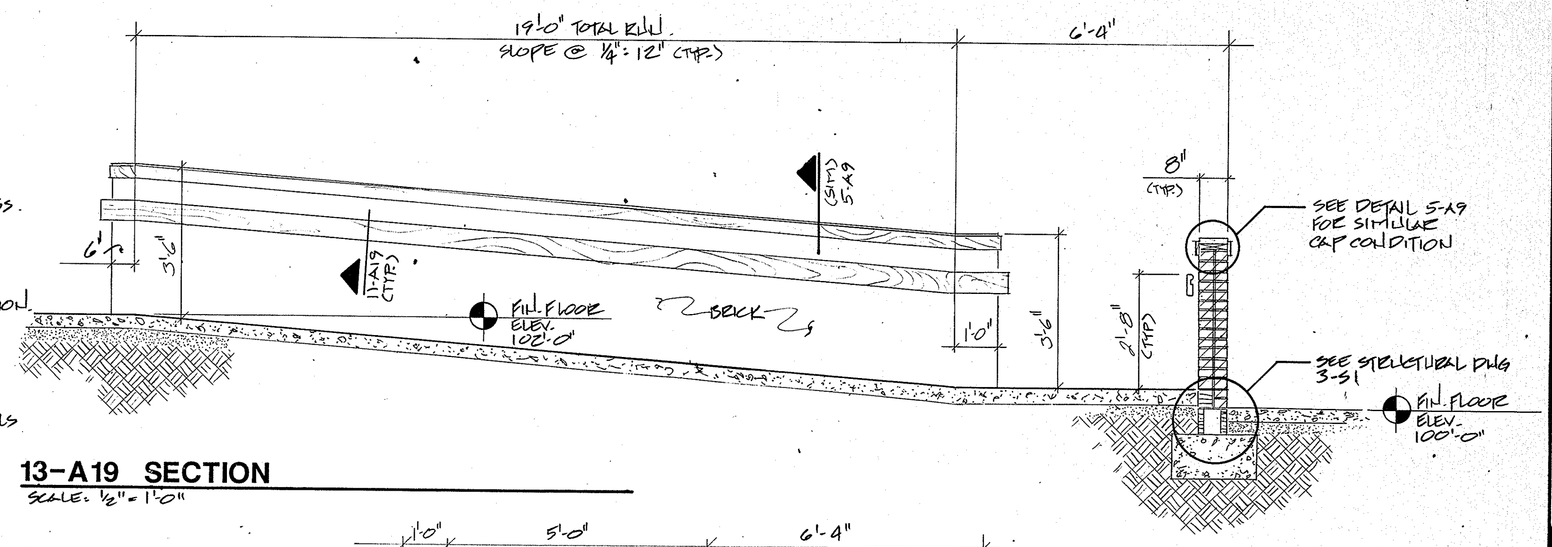
WEST ELEVATION



NORTH ELEVATION

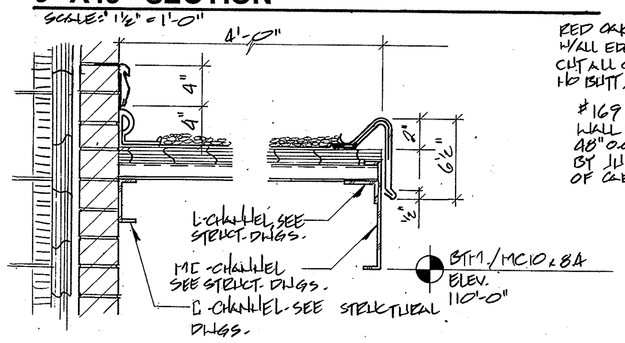
5-A19 INTERIOR ELEVATIONS ROOM B1

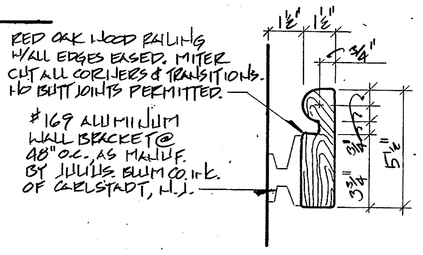




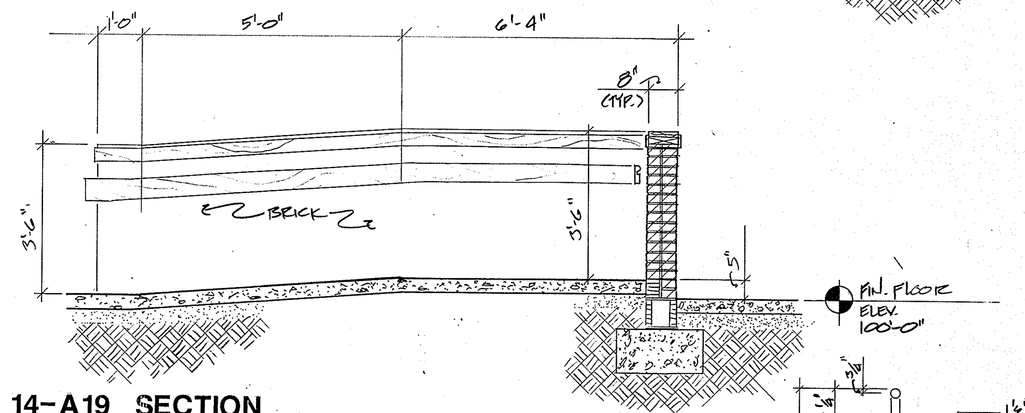
13-A19 SECTION
SCALE: ½" = 1'-0"

6-A19 SECTION
SCALE: 1½" = 1'-0"



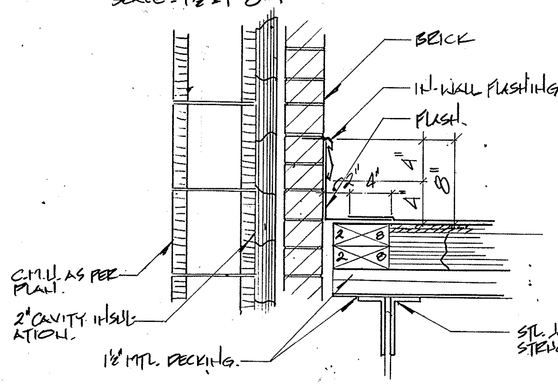


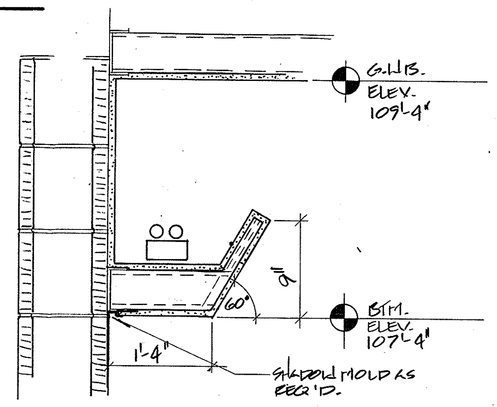
11-A19 SECTION
SCALE: 3" = 1'-0"

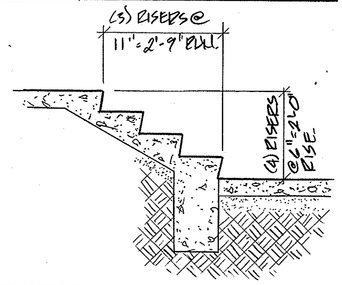


14-A19 SECTION
SCALE: ½" = 1'-0"

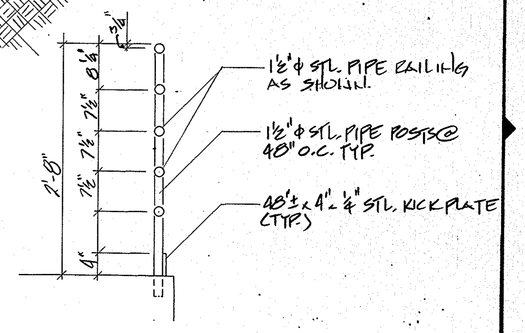
7-A19 SECTION
SCALE: 1½" = 1'-0"



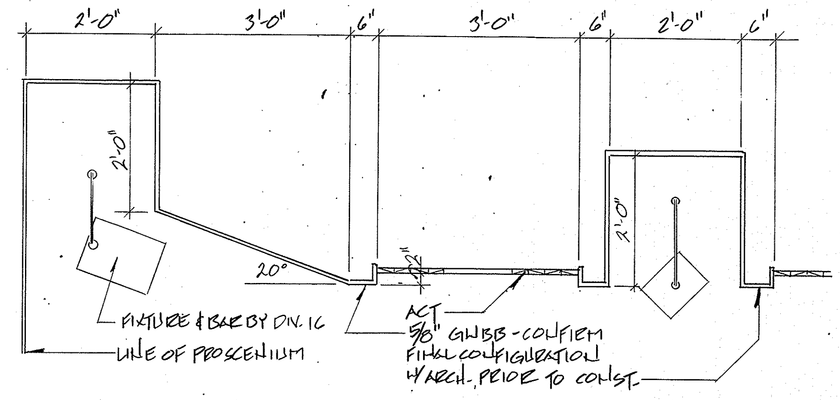




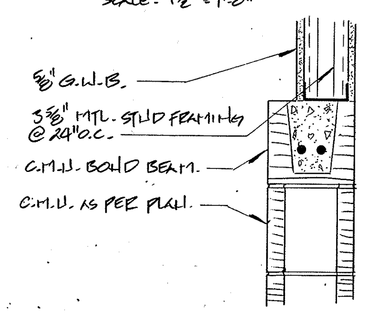
15-A9 SECTION
SCALE: ½" = 1'-0"



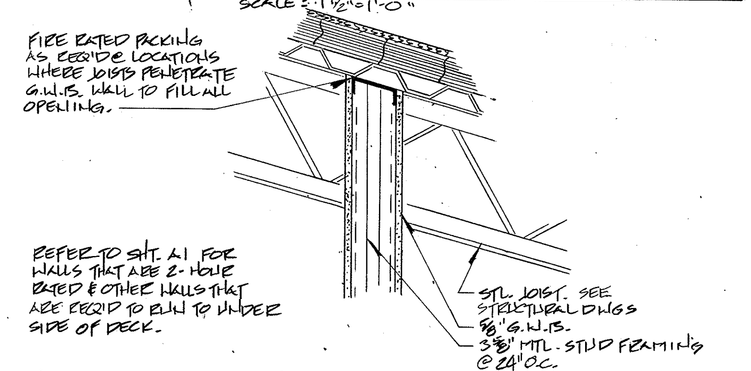
16-A19 SECTION
SCALE: ¾" = 1'-0"



17-A19 SECTION
SCALE: ¾" = 1'-0"



10-A19 SECTION
SCALE: 1½" = 1'-0"



12-A19 SECTION

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LEE BROCK WAY
REGISTERED
No. 6566
STATE OF INDIANA
ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

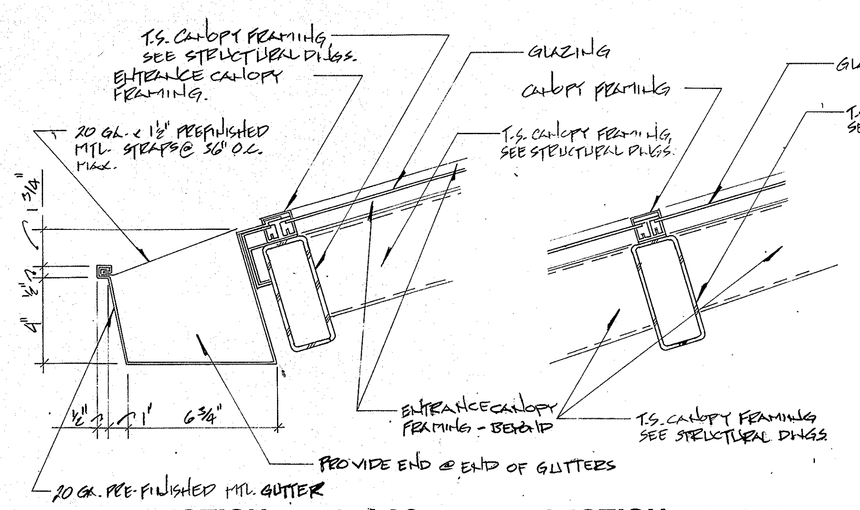
INTERIOR ELEVATIONS

DRAWN BY: GEM
CHECKED BY: JFS
COMM. NO.: 8712.00
DATE: JULY 11, 1988
REVISIONS NO. DATE

A-19

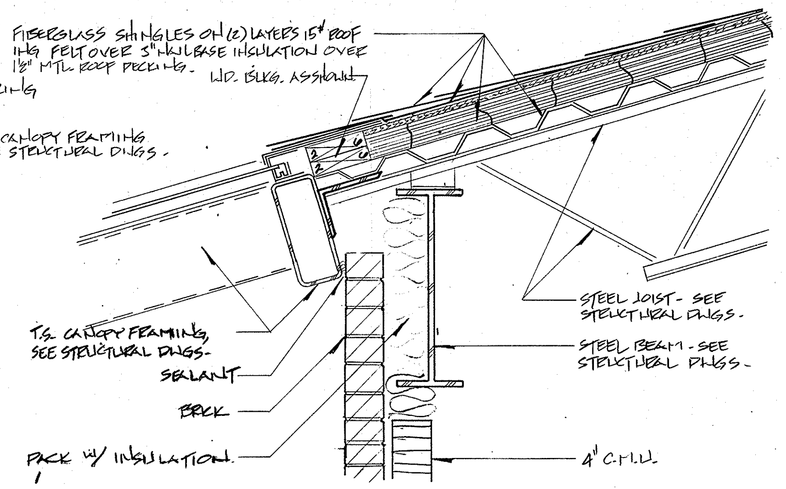
HARRIS TOWNSHIP ELEMENTARY SCHOOL

25



SECTION 1-A20

SCALE: 1½" = 1'-0"

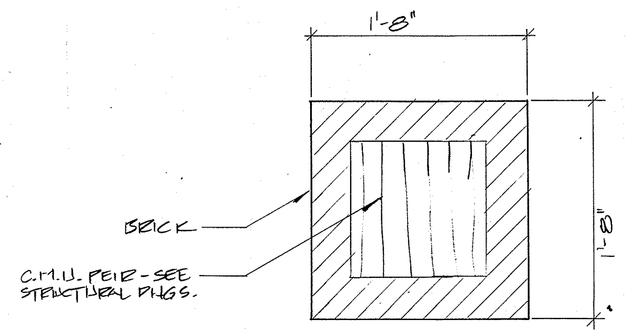


SECTION 2-A20

SCALE: 1½" = 1'-0"

SECTION 3-A20

SCALE: 1½" = 1'-0"



SECTION 4-A20

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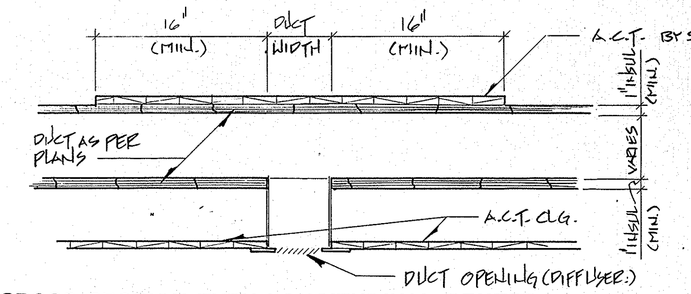
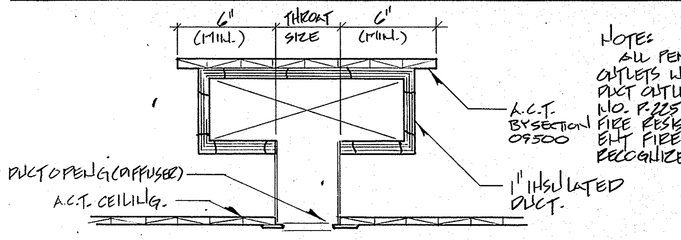


CROSS SECTION THRU LONGITUDINAL CENTER

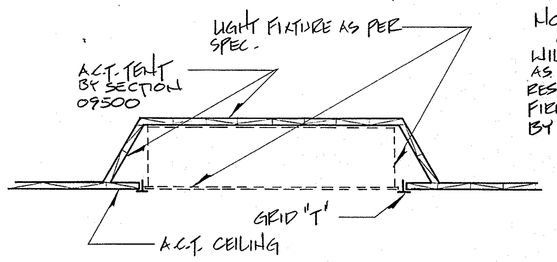


NOTE:
ALL PENETRATIONS FOR DUCT OUTLETS WILL CONFORM TO "SYSTEM-A, DUCT OUTLET PROTECTION & U.L. DESIGN NO. P225 AS PER 1987 EDITION OF U.L. FIRE RESISTANCE DIRECTORY OR EQUIVALENT FIRE PROTECTION SYSTEM RECOGNIZED BY U.L.

CROSS SECTION THRU TRANSVERSE CENTER LINE OF AIR DUCT OUTLET

DUCT OPENING DETAILS 5-A20

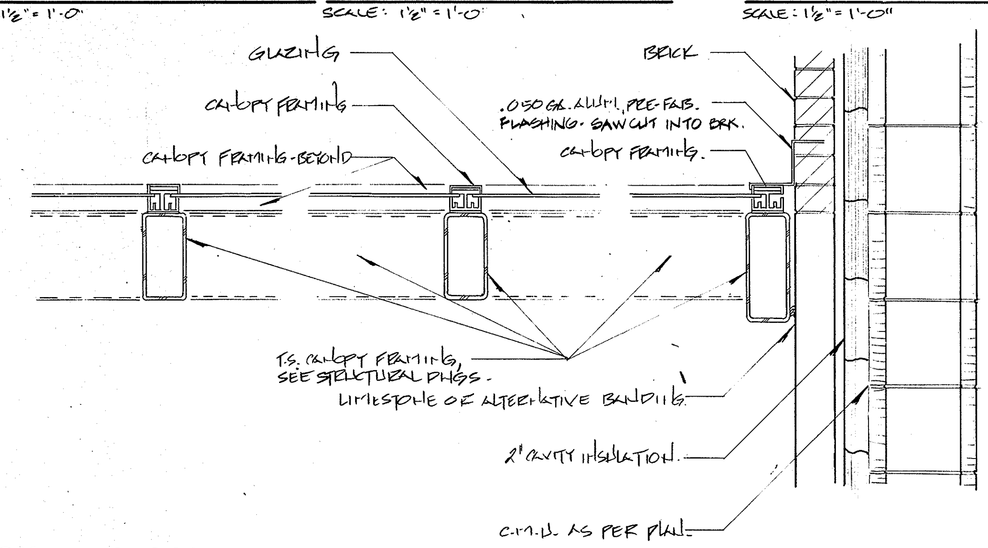
N.T.S.



NOTE:
ALL RECESSED LIGHT FIXTURES WILL CONFORM TO U.L. DESIGN NO P225 AS PER 1987 EDITION OF U.L. FIRE RESISTANCE DIRECTORY OR EQUIVALENT FIRE PROTECTION SYSTEM RECOGNIZED BY U.L.

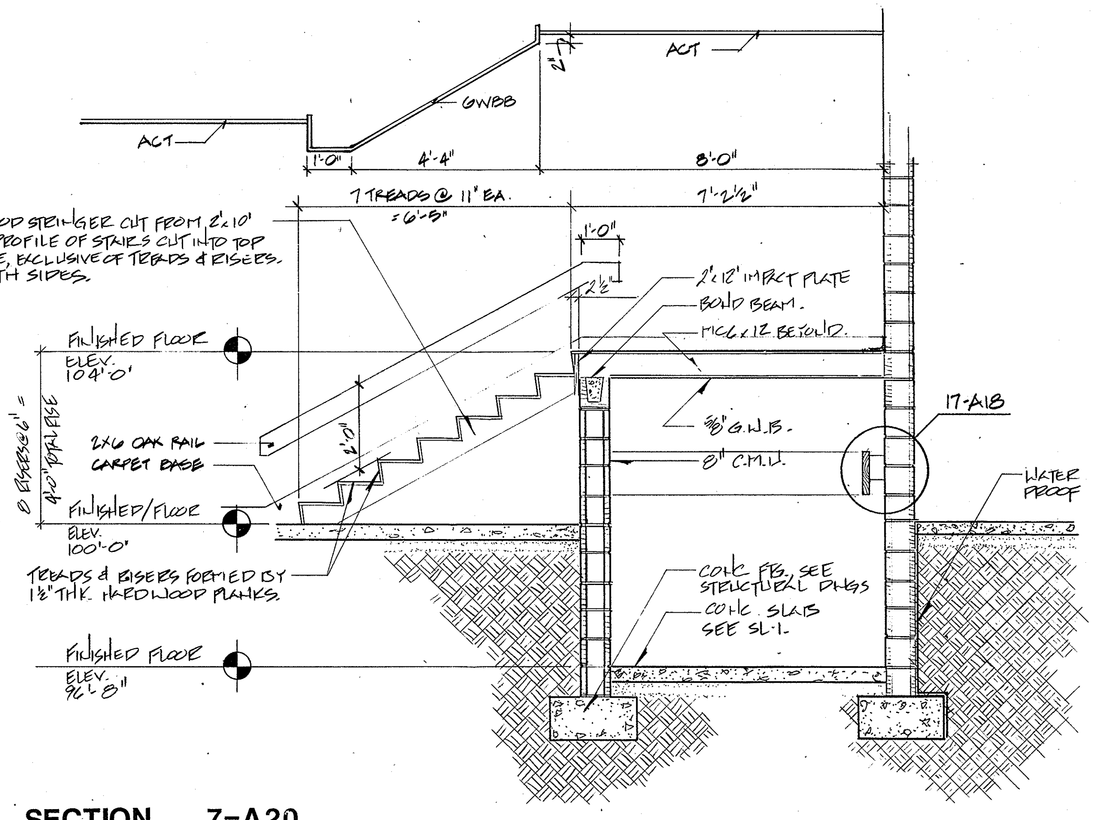
LIGHT TENT DETAIL 8-A20

N.T.S.



SECTION 6-A20

SCALE: 1½" = 1'-0"



SECTION 7-A20

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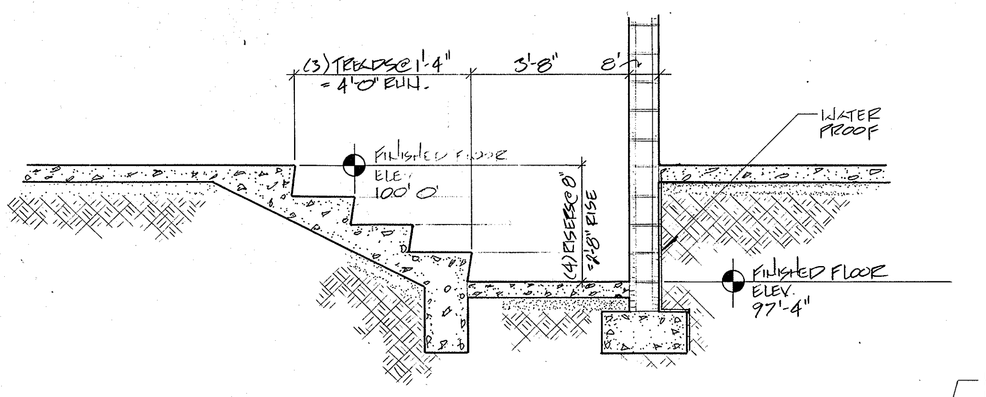

SECTION 15-A20

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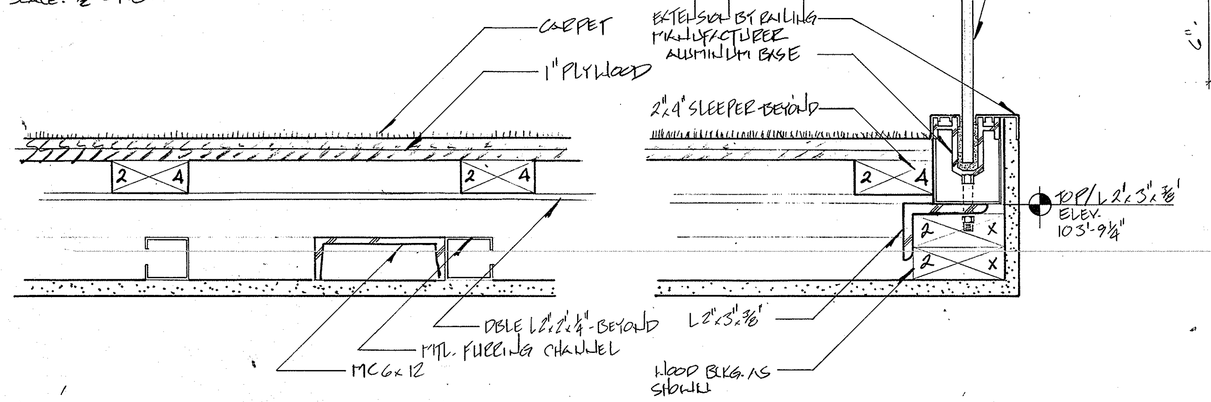
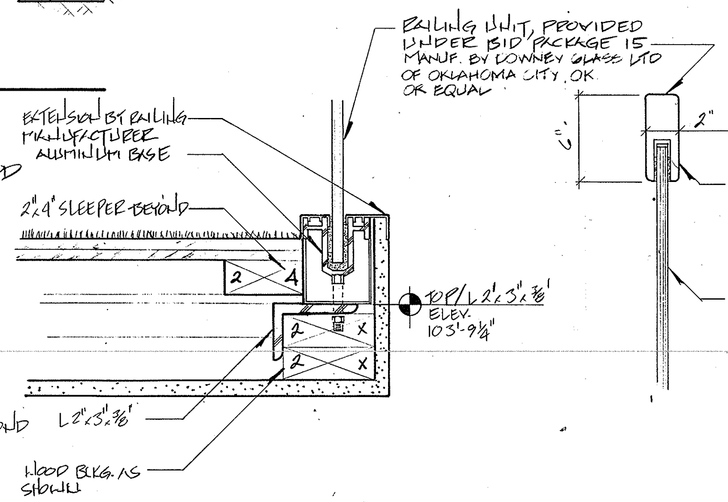


SECTION 10-A20

SCALE: 3" = 1'-0"

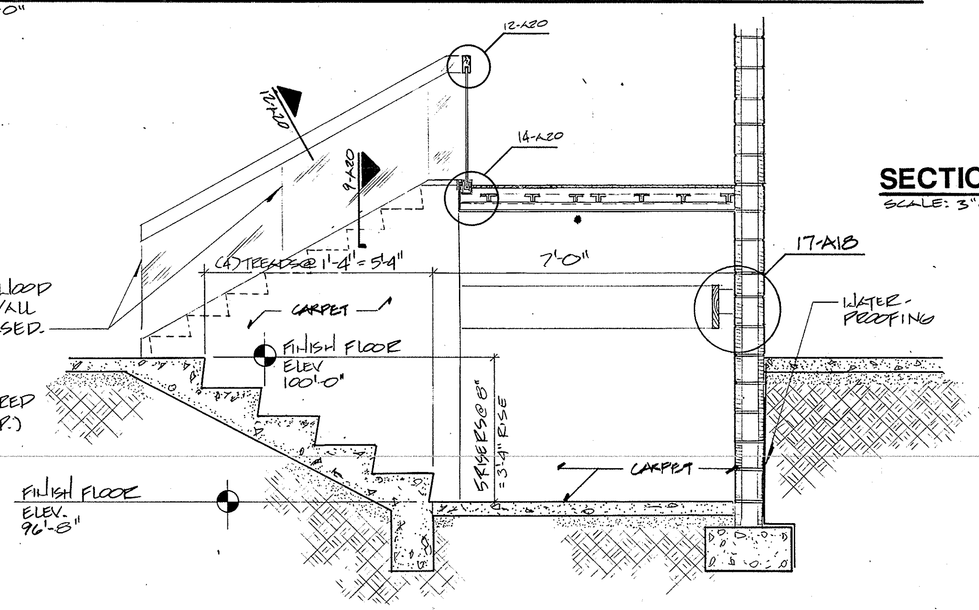


SECTION 11-A20

SCALE: 3" = 1'-0"

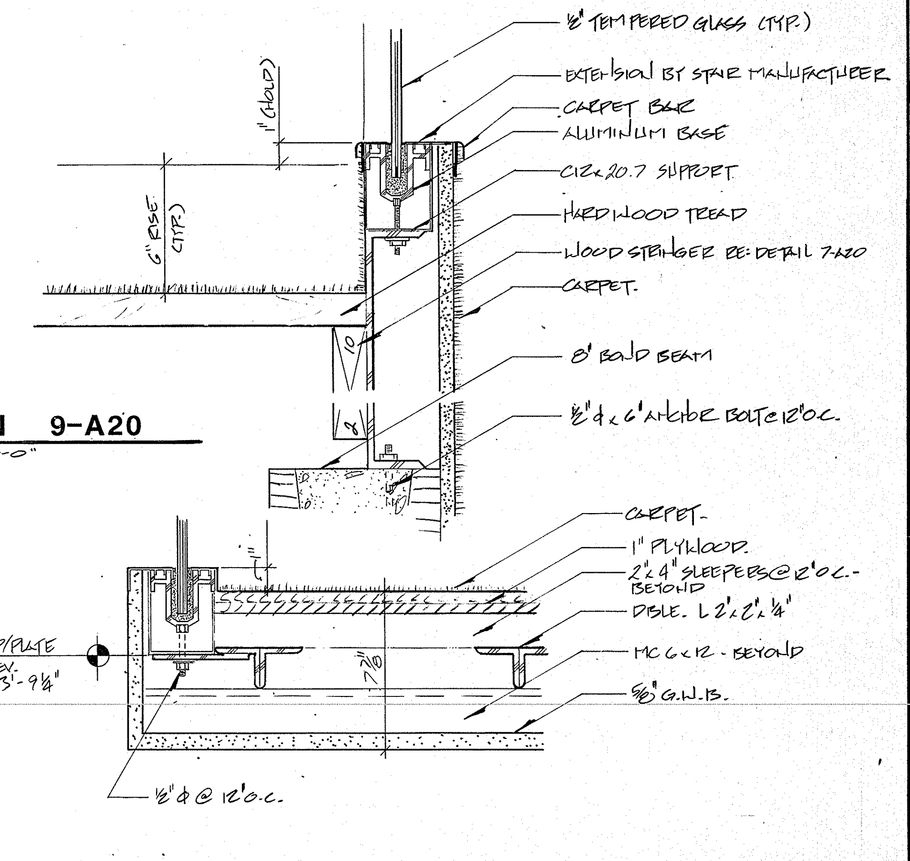
SECTION 12-A20

SCALE: 3" = 1'-0"



SECTION 13-A20

SCALE: ½" = 1'-0"



SECTION 9-A20

SCALE: 3" = 1'-0"

SECTION 14-A20

SCALE: ½" = 1'-0"

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LEE BROCKWAY REGISTERED No. 10966 STATE OF INDIANA ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

SECTIONS & DETAILS

DRAWN BY: GRM | COMM. NO.: 8712.00
CHECKED BY: JFS | DATE: JAN. 11, 1988

REVISIONS NO. DATE

A-20

HARRIS TOWNSHIP ELEMENTARY SCHOOL

25

GENERAL NOTES

1) ALL WORK REQUIRED FOR THE HOUSE SHOWN ON THIS SHEET SHALL BE BY THE RESPECTIVE BID PACKAGES PERFORMING THAT AREA OF WORK AS DEFINED IN THE SPECIFICATIONS. FOR EXAMPLE, MASONRY WORK ON THE HOUSE SHALL BE BY BID PACKAGE NO. 10, AND SO FORTH.
2) ALL WORK REQUIRED FOR THE HOUSE SHALL BE BID UNDER BASE BID FOR THE VARIOUS BDI PACKAGES. A PRICE FOR THE DELETION OF THIS WORK IS REQUIRED UNDER ALTERNATIVE 14.
3) ALL SURFACES INTERIOR AND EXTERIOR WHICH REMAIN AND ARE NOW PAINTED ARE TO BE REPAINTED UNDER SECTION 09900.
4) ALL EXTERIOR MASONRY WALLS SHALL HAVE ALL CRACKED BRICK AND JOINTS CUT OUT AND REPLACED. BRICK FOR THE ADDITION AND FOR REPAIRS SHALL BE SALVGED FROM THE SMALL OUT BUILDING WHICH IS TO BE REMOVED.
5) ALL DEMOLITION WORK ON THE HOUSE SHALL BE INCLUDED UNDER BID PACKAGE NO. 12, GENERAL CONSTRUCTION.
6) ALL BIDDERS MUST VISIT THE SITE TO VERIFY THE EXTENT OF WORK PRIOR TO BIDDING.
7) THIS BUILDING IS TYPE V-N CONSTRUCTION, OCCUPANCY IS "E". TOTAL GROSS AREA IS 3325 SF.

KEY NOTES

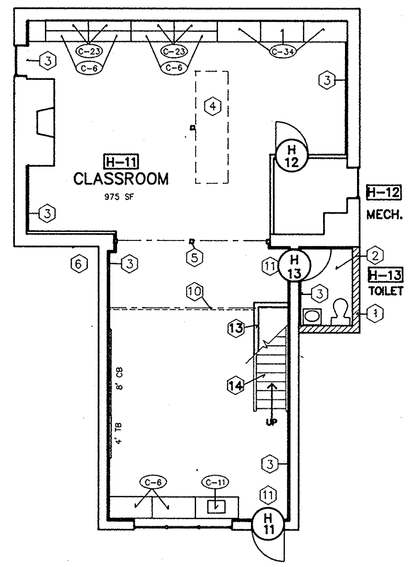
(1) NEW 8" CMU WALL WITH 2" FOUNDATION INSULATION AND WATERPROOFING. DOWEL WALL TO EXISTING W/ #5'S @ 24" O.C. PROVIDE 12" x 24" CONCRETE FOOTING W/ 2- #5'S CONTINUOUS.
(2) NEW 4" CONCRETE SLAB.
(3) 5/8" TYPE "X" GWB ON 1" FURRING CHANNELS. PROVIDE 1" STYROFOAM INSULATION ON EXTERIOR WALLS.
(4) REMOVE EXISTING STAIR. PROVIDE NEW FRAMING IN OPENING.
(5) REMOVE EXISTING FOUNDATION WALL AS SHOWN AND PROVIDE 3-4" SQUARE COLUMNS ON 36"x36"x18" FOOTINGS W/ 8-#6 BARS EACH WAY. PATCH SLAB AFTER PLACEMENT OF FOOTINGS. PROVIDE W8x21 BEAM.
(6) REMOVE EXISTING DOOR AND RECONSTRUCT WALL AND WINDOW TO MATCH ADJACENT. FILL EXISTING STAIRWAY AND CLOSE MASONRY OPENINGS ON LOWER LEVEL.
(7) PROVIDE CONCRETE RAMP UP TO MAIN FLOOR LEVEL.
(8) 2x4 WOOD STUD WALL WITH 3 1/2" BATT INSULATION. EXTERIOR TO BE SALVAGED BRICK. INTERIOR TO BE 5/8" TYPE "X" GWB.
(9) REMOVE ALL EXISTING FLOOR JOISTS AND SHEATHING IN THIS AREA. REMOVE ALL PARTITIONS, DOORS, CABINETS,AND OTHER MISCELLANEOUSITEMS.
(10) PROVIDE W8x21 BEAM POCKETED INTO MASONRY WALLS AT EACH END.
(11) PROVIDE NEW OPENING IN EXISTING WALL FOR NEW DOOR. PATCH FINISHES TO MATCH ADJACENT SURFACES.
(12) REMOVE EXISTING DOOR AND FRAME. CLOSE OPENING WITH CONSTRUCTION TO MATCH ADJACENT. PROVIDE FINISHES TO MATCH ADJACENT.
(13) PROVIDE 2x12 TREADS AND 1"x_ RISERS BETWN 2x12 STRINGERS. RISE & RUN TO CONFORM TO UBC 1985. RAILING SIMILAR TO 1-A21.
(14) 2x4 STUD WALL WITH 5/8" TYPE "X" GWB EACH SIDE.

DOOR AND FRAME SCHEDULE

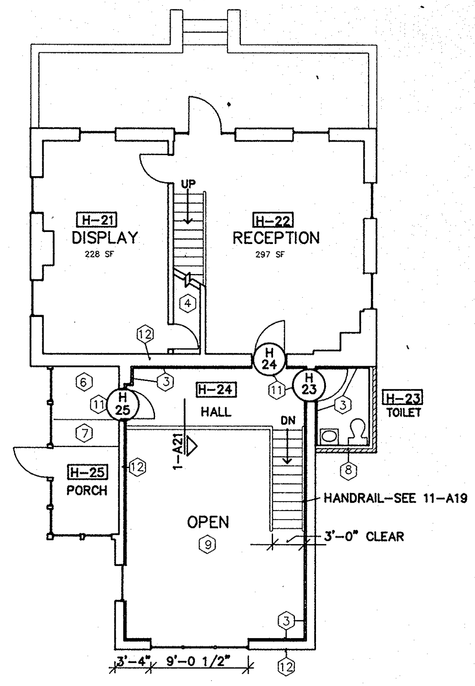
DOOR NUMBER	DOOR SIZE	DOOR MAT.	DOOR TYPE	FRAME MAT.	FRAME TYPE	FRAME WIDTH	FIRE RATING LABEL	HARDWARE SET NO.	HARDWARE KEYSIDE RM. NO.
H-11	3070	AL	B	AL	A1	4-1/2"	-	5	EXT.
H-12	3070	HM	A	HM	S1	5-3/4"	B	10	H-11
H-13	3070	HM	A	HM	S1	5-3/4"	-	12	-
H-23	3070	HM	A	HM	S1	5-3/4"	-	12	-
H-24	3070	HM	B	HM	S1	5-3/4"	B	10	H-22
H-25	3070	HM	B	HM	S1	5-3/4"	-	21	H-25

FINISH SCHEDULE

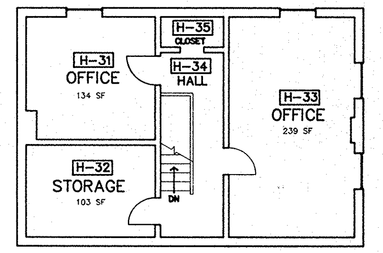
ROOM NO.	FLOOR	BASE	WALLS	CEILING	PAINT	NOTES
H-11	RSF	RB	GWB	ACT-1	114.1	
H-12	S CONC	-	-	-	-	
H-13	RSF	RB	CONC	ACT-1	120.2	
			GWB		120.2	
H-21	CAR	EXTG	EXTG	EXTG	114.1	
H-22	CAR	EXTG	EXTG	EXTG	114.1	
H-23	RSF	RB	GWB	GWB	120.2	
H-24	CAR	RB	GWB	ACT-1	114.1	
H-25	S CONC	EXTG	EXTG	EXTG	114.1	
H-31	EXTG	EXTG	EXTG	EXTG	114.1	
H-32	EXTG	EXTG	EXTG	EXTG	114.1	
H-33	EXTG	EXTG	EXTG	EXTG	114.1	
H-34	EXTG	EXTG	EXTG	EXTG	114.1	
H-35	EXTG	EXTG	EXTG	EXTG	114.1	



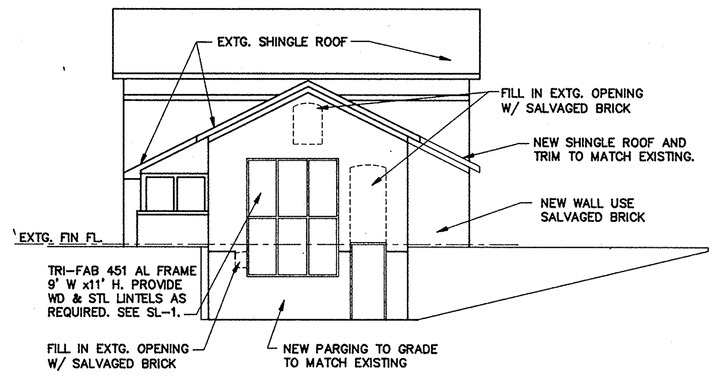
BASEMENT PLAN
SCALE 1/4"=1'-0"



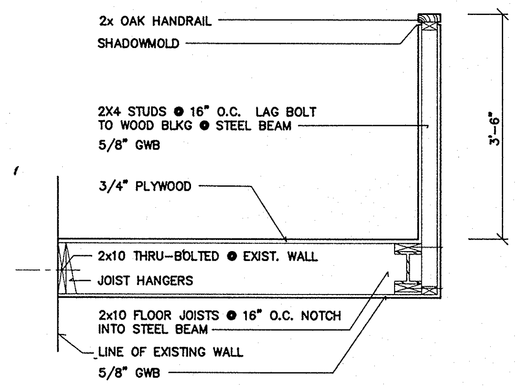
MAIN FLOOR PLAN
SCALE 1/4"=1'-0"



SECOND FLOOR PLAN
SCALE 1/4"=1'-0"



SOUTH ELEVATION
SCALE 1/4"=1'-0"



1-A21 DETAIL AT HANDRAIL
3/4"= 1'-0"

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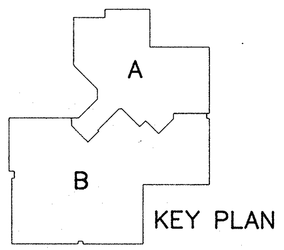
LEE BROCKWAY REGISTERED No. 4666 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA



KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

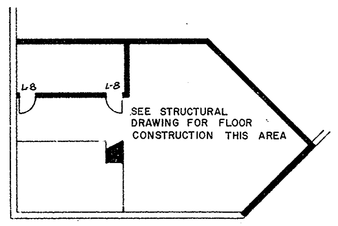
HOUSE PLANS & DETAILS

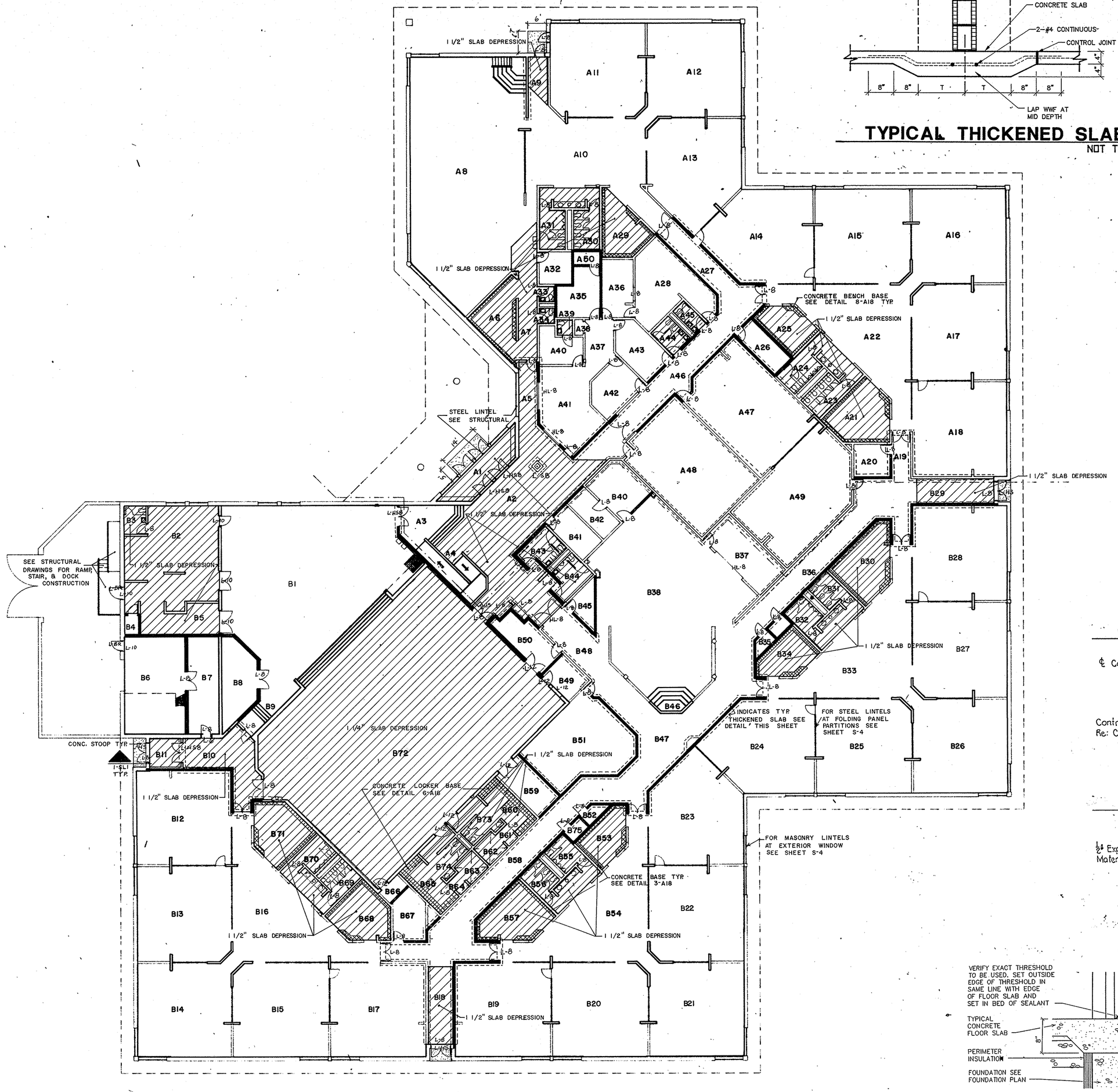
DRAWN BY: TAF,DMW COMM. NO.: 8712.00
CHECKED BY: JFS DATE: JAN. 11,1988

REVISIONS NO. DATE

A-21

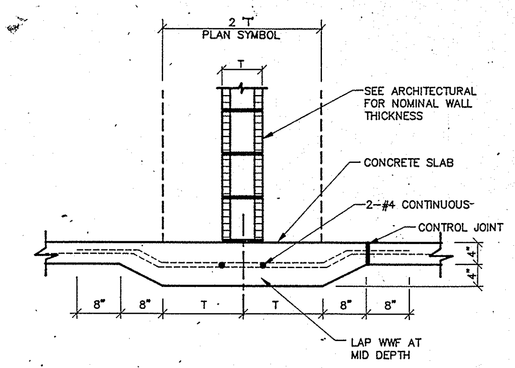
HARRIS TOWNSHIP ELEMENTARY SCHOOL



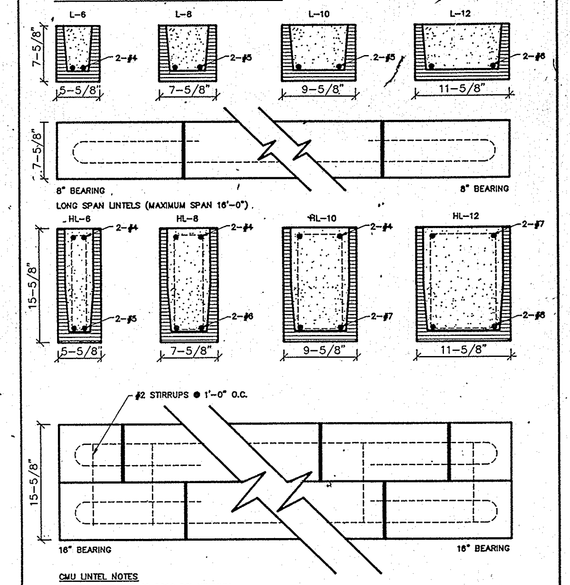


TYPICAL THICKENED SLAB

NOT TO SCALE



CMU LINTEL SCHEDULE

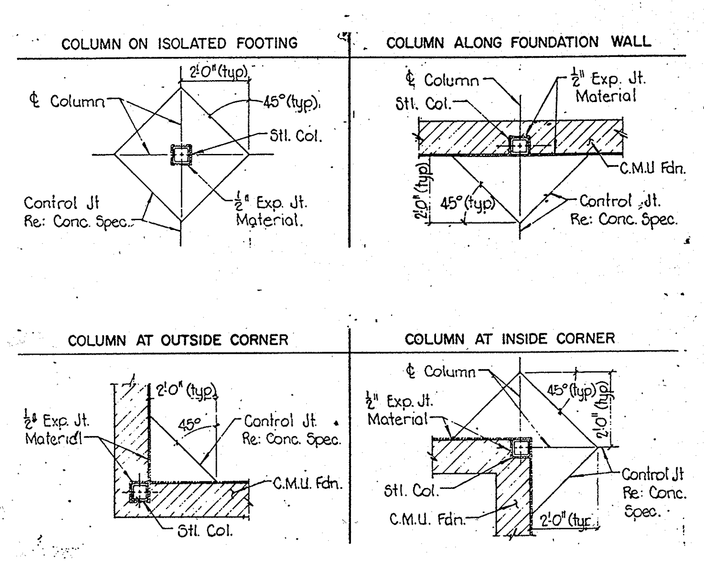


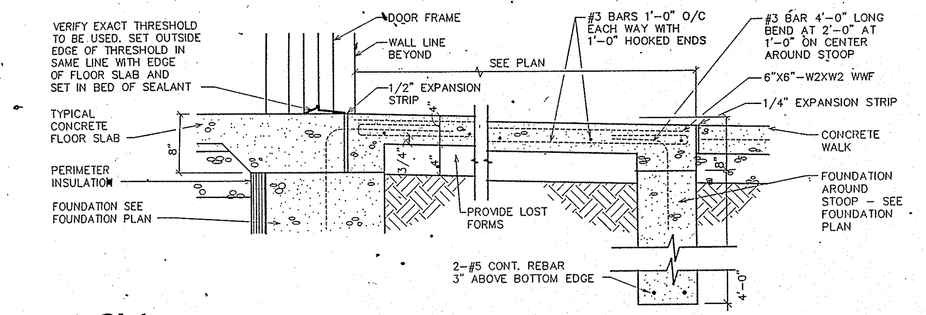
CMU LINTEL NOTES:
1. FILL CONCRETE IS 3000 PSI MINIMUM.
2. ALL REBARS ARE HOOKED AT THE ENDS.
3. FOR TYPE OF CMU AND TYPE OF BOND SEE THE SPECIFICATIONS
4. LINTELS SHALL BEAR ON SOLID CMU OR BEAM ON 2 FILLED COURSES.

LOOSE LINTEL SCHEDULE

L-S4	(2)–L 1 3/4 x 1 3/4 x 1/4 MAXIMUM CLEAR SPAN: 3'-4"	L-BR	L 4 x 3 1/2 x 5/16 (L.L.V.) MAXIMUM CLEAR SPAN: 5'-0"
L-S6	(2)–L 2 1/2 x 2 1/2 x 1/4 MAXIMUM CLEAR SPAN: 4'-0"	L-HS	L 6 x 3 1/2 x 3/8 (L.L.V.) MAXIMUM CLEAR SPAN: 8'-0"
L-S8	(2)–L 3 1/2 x 3 1/2 x 1/4 MAXIMUM CLEAR SPAN: 4'-4"	L-HS8	(2)–L 5 x 3 1/2 x 3/8 (L.L.V.) MAXIMUM CLEAR SPAN: 8'-4"
L-S10	(2)–L 4 x 4 x 1/4 MAXIMUM CLEAR SPAN: 4'-8"	L-HS10	(2)–L 8 x 4 x 3/8 (L.L.V.) MAXIMUM CLEAR SPAN: 7'-4"
L-S12	(2)–L 5 x 3 1/2 x 5/16 (L.L.O.) MAXIMUM CLEAR SPAN: 5'-0"	L-HS12	(2)–L 5 x 5 x 3/8 (L.L.V.) MAXIMUM CLEAR SPAN: 9'-4"
8" BEARING EACH END		8" BEARING EACH END	

LINTEL NOTES:
1. LINTELS SHALL BEAR ON SOLID MASONRY OR ON TWO CMU COURSES FULLY GROUTED WITH TYPE "S" MORTAR.
2. FURNISH AND INSTALL ALL LOOSE LINTELS REQUIRED FOR ALL OPENINGS IN MASONRY, INCLUDING MECHANICAL AND ELECTRICAL WORK, WHETHER SPECIFICALLY NOTED ON DRAWINGS OR NOT.





1-SL1 THRESHOLD CONCRETE STOOP

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LEE BROCKWAY REGISTERED No. 10606 STATE OF INDIANA ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS ENGINEERS CONSULTANTS

SLAB & LINTEL PLAN

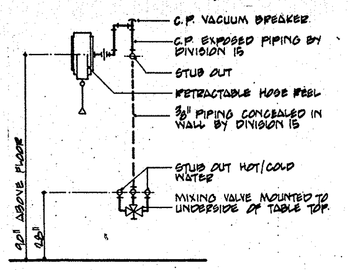
DRAWN BY: JW | COMM. NO.: 8712.00
CHECKED BY: JSF | DATE: JAN. 11, 1988
REVISIONS NO. DATE

SL1

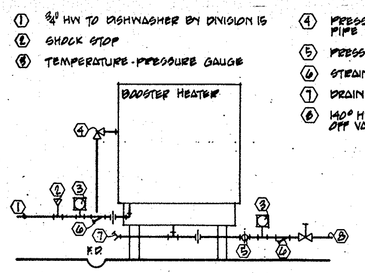
HARRIS TOWNSHIP ELEMENTARY SCHOOL

18

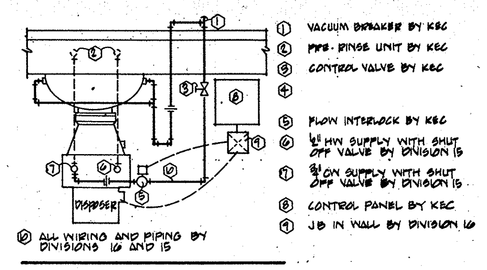
46



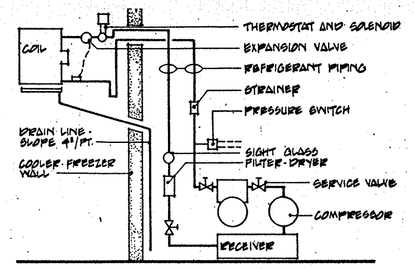
15 HOSE REEL PIPING
ITEM NO. 11



16 BOOSTER HEATER PIPING
ITEM NO. 13



17 DISPOSER PIPING - WIRING
ITEM NO. 10



18 COOLER PIPING - REFRIGERANT
ITEM NO. 27

WORK BY DIVISION 15

ROUGH IN UTILITY LINES THRU WALLS, FLOOR AND CEILING AS SHOWN ON THE DRAWINGS. RUN WASTE LINES FROM THE ROUGH IN AND MAKE THE CONNECTIONS ON THE EQUIPMENT. PROVIDE ALL TRAPS, MANIFOLD AND INTERCONNECT SINK DRAINS WHERE SHOWN. RUN SUPPLY LINES FROM THE ROUGH IN, PROVIDE STOPS, AND MAKE THE CONNECTIONS TO THE EQUIPMENT. PROVIDE ALL TRAPS, VALVES AND VENTS REQUIRED FOR INSTALLATION.

ALL EXPOSED PIPING (ABOVE COUNTER HEIGHT OR IN A "DIRECT" LINE OF SIGHT SHALL BE CHROME PLATED).

INSTALL SS OR C.P. BRASS ESCUTCHEONS OR FLANGES FOR UTILITY LINES WHICH EXTEND THROUGH BUILDING WALLS AND EQUIPMENT.

INSTALL FAUCETS, PRE-RINSE ASSEMBLIES, HOSE STATIONS, POT FILLERS, VACUUM BREAKERS, CHECK VALVES, FLOW CONTROL VALVES, PRESSURE REDUCING VALVES, WATER STRAINERS, WATER FILTERS, ETC., ALL AS FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR. PROVIDE WATER PRESSURE REDUCING VALVES AND GAUGES FOR READING SET PRESSURE WHERE REQUIRED.

PROVIDE ALL "INDIRECT" WASTE AND CONDENSATE LINES FROM EQUIPMENT TO FLOOR DRAINS.

THE FOOD SERVICE EQUIPMENT MECHANICAL DRAWINGS AND EQUIPMENT DATA INFORMATION ARE PREPARED FOR THE CONVENIENCE OF BIDDING AND ARE NOT INTENDED AS ROUGH IN DRAWINGS TO BE USED ON THE PROJECT SITE. REFER TO THE FOOD SERVICE EQUIPMENT CONTRACTORS ROUGH IN DRAWINGS FOR ACCURATE LOCATION OF UTILITIES.

REFER TO THE ITEM KITCHEN EQUIPMENT SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

SYMBOLS

⊕	ROUGH IN
○	CONNECTION ON EQUIPMENT
⊠	FLOOR DRAIN
○	OPEN SIGHT DRAIN
□	SANITARY FLOOR DRAIN
(14)	CONNECTION NUMBER
(3)	EQUIPMENT NUMBER
⊥	SOLID PIPING BY DIV. 15
≋	FLEX. PIPING BY KEC
▨	EXHAUST AIR TAP
▨	SUPPLY AIR TAP

ABBREVIATIONS

G	GAS	BHP	BOILER HORSEPOWER
SS	STEAM SUPPLY	AF	ABOVE FLOOR
SR	STEAM RETURN	DFA	DROP FROM ABOVE
W	WASTE	BTC	BRANCH TO CONNECTIONS
HW	HOT WATER	SU	STUB UP
CW	COLD WATER	HR	HOUR
FD	FLOOR DRAIN	BTU	BRITISH THERMAL UNIT
SFD	SANITARY FLOOR DRAIN	CFM	CUBIC FEET/MINUTE
FFD	FUNNEL FLOOR DRAIN		
OSD	OPEN SIGHT DRAIN		

MECHANICAL DATA

MARK ⬡ EQUIPMENT IS ROUGHED IN FOR MANUFACTURER AND MODEL NUMBER SPECIFIED

3
A SOILED DISHTABLE
1/2" HW, 1/2" CW, 16" AF. DIVISION 15 CONNECT TO FAUCET.
B 2" W, 16" AF. DIVISION 15 CONNECT TO DRAIN VALVE ON BOTTOM OF SINK.

4 CLEAN DISHTABLE - 1-1/4" DRAIN LINE TO FLOOR DRAIN BY DIVISION 15.

7 CANOPY
THE CANOPY EXHAUSTS A TOTAL OF 2000 CFM AND SUPPLIES A TOTAL OF 0 CFM MAKE UP AIR. THE BALANCE OF 2000 CFM TO BE SUPPLIED TO THE KITCHEN AREA BY DIVISION 15. CANOPY, DUCTWORK, AIR HANDLERS AND ROOF CURB PROVIDED BY KEC.

10
A DISPOSER AND HOSE REEL
3/4" HW, 3/4" CW, 16" AF. DIVISION 15 PROVIDE A TEE CONNECTION AT THE CW ROUGH IN AND CONNECT THE CW TO THE SIDE WATER INLET ON THE DISPOSER. DIVISION 15 INSTALL KEC MIXING VALVE AND CONTROL VALVE AND PIPE FROM THE ROUGH IN THRU THE MIXING VALVE AND CONTROL VALVE TO THE HOSE REEL. ALL PIPING SHALL BE CONCEALED WITHIN THE BUILDING WALL WHERE POSSIBLE. REFER TO HOSE REEL PIPING DIAGRAM.
B 3" W, 8" AF. DIVISION 15 CONNECT TO DISPOSER.

12
A DISHWASHER
3/4" 140 DEGREE HW. DIVISION 15 CONNECT TO WASHER.
B 2" W. DIVISION 15 CONNECT TO WASHER DRAINS.
C 4" X 16" EXHAUST DUCT CONNECTION, 6" ABOVE FINISHED CEILING. EXHAUST FAN AND ALL WELDED SS DUCTS ABOVE FINISHED CEILING BY DIVISION 15. CFM = 250
D 4" X 16" EXHAUST DUCT CONNECTION, 6" ABOVE FINISHED CEILING. EXHAUST FAN AND ALL WELDED SS DUCTS ABOVE FINISHED CEILING BY DIVISION 15. CFM = 500
E DISHWASHING ROOM VENTILATION - THE DISHWASHER DISSIPATES THE FOLLOWING AMOUNT OF HEAT INTO THE DISHWASH ROOM WHICH MUST BE EXHAUSTED BY MEANS OTHER THAN THE EXHAUST DUCTS ON THE ENDS OF THE DISHWASHER. LATENT HEAT = 94,500 BTU/HR. SENSIBLE HEAT = 45,000 BTU/HR.

13
A BOOSTER HEATER
3/4" 140 DEGREE HW, 12" AF. DIVISION 15 INSTALL KEC FURNISHED COMPONENTS AND CONNECT TO BOOSTER HEATER. REFER TO BOOSTER HEATER PIPING DIAGRAM.
B 3/4" 180 DEGREE HW FROM BOOSTER TO WASHER BY DIVISION 15.
C DRAIN LINES FROM BOOSTER HEATER RELIEF VALVE AND TANK DRAIN TO FLOOR DRAIN BY DIVISION 15.

19 COLD FOOD COUNTER, MOBILE - 1" DRAIN LINE TO FLOOR DRAIN BY DIVISION 15.

27
A WALK IN FREEZER
3/4" CONDENSATE DRAIN LINES FROM COILS TO FLOOR DRAIN BY DIVISION 15. PROVIDE CORROSION RESISTANT "STAND-OFFS" TO ALLOW 1" CLEARANCE BETWEEN WALLS AND PIPING.
B REFRIGERATION LINES TO REMOTE COMPRESSORS BY KEC.

32 HAND SINK - 1/2" HW, 1/2" CW, 1-1/2" W. HAND SINK BY DIVISION 15.

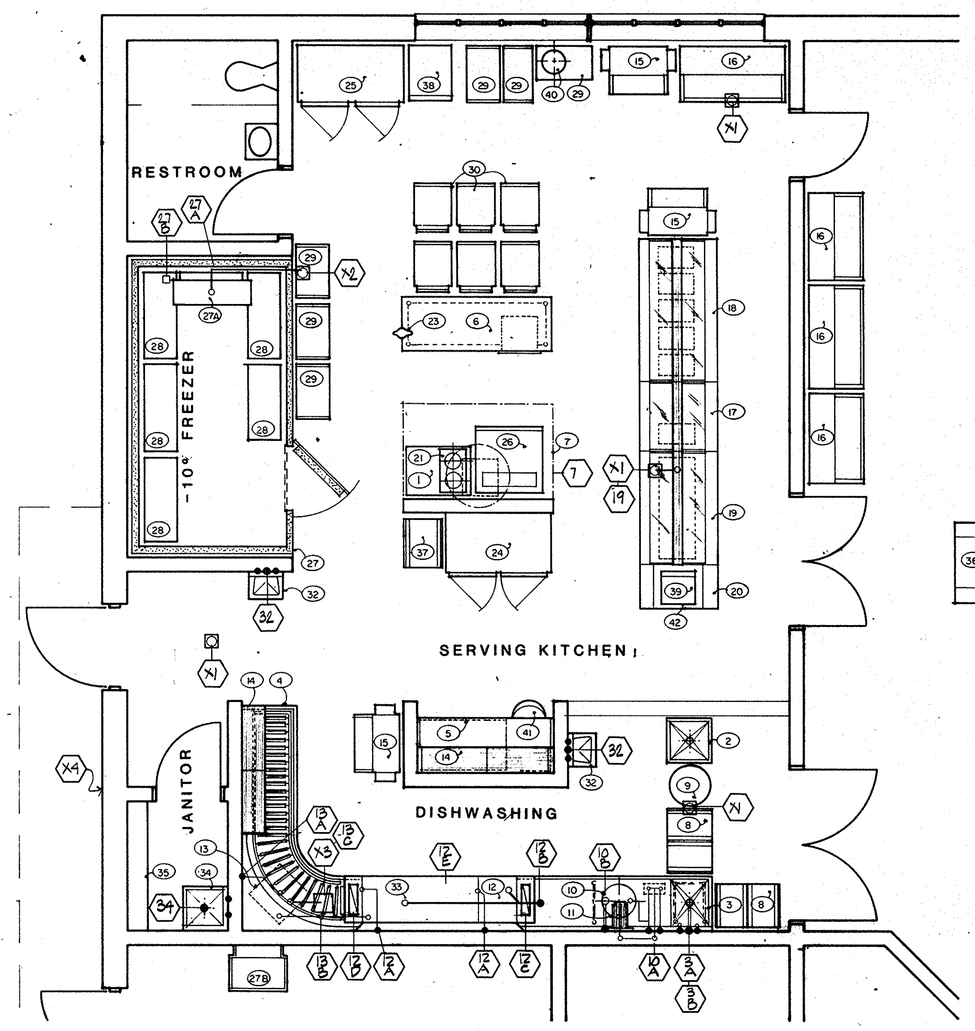
34 MOP SINK - 3/4" HW, 3/4" CW, 3" W. MOP SINK BY DIVISION 15.

X1 FLOOR DRAIN

X2 FLOOR DRAIN, FUNNEL TYPE.

X3 12" X 12" X 8" DEEP SANITARY TYPE FLOOR DRAIN WITH HALF GRATE.

X4 HOSE BIB - 1/2" HW, 1/2" CW. HOSE BIB WITH MIXING VALVE BY DIVISION 15.



FOOD SERVICE EQUIPMENT
MECHANICAL PLAN

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LEE BROCKWAY REGISTERED NO. 10866 STATE OF INDIANA ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS ENGINEERS CONSULTANTS

FOOD SERVICE PLAN

DRAWN BY: PV COMM. NO.: 8712.00
CHECKED BY: PV DATE: JAN. 11,1988

REVISIONS NO. DATE

FS-1

HARRIS TOWNSHIP ELEMENTARY SCHOOL

22

GENERAL NOTES

EQUIPMENT SHALL BE FURNISHED AND INSTALLED IN STRICT CONFORMANCE WITH ALL STATE AND/OR LOCAL CODES.

ASSIST THE VARIOUS TRADES IN THE PROPER INSTALLATION OF COMPONENTS WHICH ARE FURNISHED WITH THE EQUIPMENT. PROVIDE PIPING DIAGRAMS AND INSTALLATION INSTRUCTIONS WHERE APPLICABLE.

DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO START OF FABRICATION.

EQUIPMENT WHICH IS NOT MOBILE (ON CASTERS) AND WHERE IT ABUTTS OTHER FIXED EQUIPMENT, BUILDING WALLS, FLOOR OR CEILING SHALL BE SEALED AND/OR TRIMMED OUT WITH SILICONE AND/OR SS MATCHING TRIM. GAPS EXCEEDING 3/8" IN WIDTH MUST BE TRIMMED OUT WITH STAINLESS STEEL OR MATCHING TRIM.

SLOPE FINISHED FLOOR ONLY SLIGHTLY TO FLOOR DRAINS UNLESS SPECIFICALLY STATED OTHERWISE ON THE DRAWINGS.

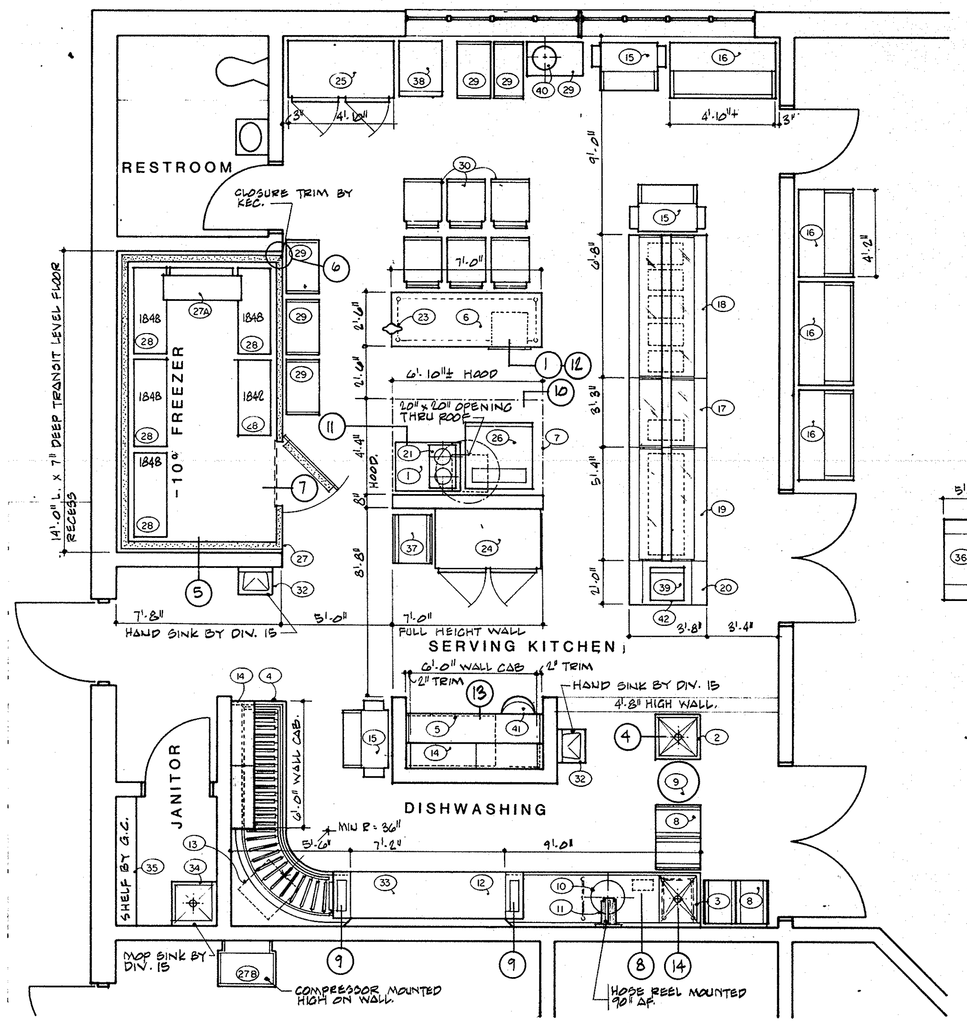
REFER TO THE DRAWINGS, SPECIFICATIONS AND THE ELECTRICAL - MECHANICAL DATA NOTES FOR ADDITIONAL RESPONSIBILITIES.

EQUIPMENT SCHEDULE

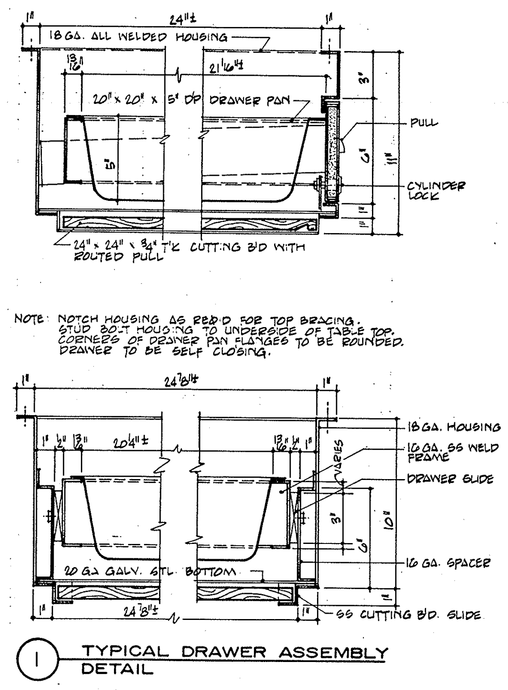
MARK	QUAN.	DESCRIPTION	MANUFACTURER & MODEL
1	1	EQUIPMENT STAND, MOBILE	FABRICATE
2	1	SILVER SOAK SINK, MOBILE	FABRICATE
3	1	SOILED DISHTABLE	FABRICATE
4	1	CLEAN DISHTABLE	FABRICATE
5	1	BASE CABINET/DESK	FABRICATE
6	1	WORK TABLE, MOBILE	FABRICATE
7	1	VENTILATOR SYSTEM	MASTER AIR EH/150RSB
8	4	TRAY RACK, MOBILE	EPCO B6-A-1015
9	3	TRASH CONTAINER, MOBILE	RUBBERMAID 2634
10	1	DISPOSER	IN SINK ERATOR SS-200/CC101
11	1	HOSE REEL	T AND S BRASS B-1403
12	1	DISHWASHER	HOBART CRS-86
12A	2	SILVERWARE RACK	HOBART
12B	8	TRAY RACK	HOBART
13	1	BOOSTER HEATER	HATCO SC-40
14	4	WALL CABINET W/LOCKS	ST. CHARLES ET2630
15	3	TRAY, SILVER, NAPKIN CART	CADDY T-404
16	2	MILK COOLER, MOBILE	BEVERAGE AIR SM58-NW
16A	2	JUICE COOLER, MOBILE	BEVERAGE AIR SM49-NW
17	1	SOUP COUNTER, MOBILE	PRECISION BLU-1-MODIFIED
18	1	HOT FOOD COUNTER, MOBILE	PRECISION BLH-5-UD-MODIFIED
19	1	COLD FOOD COUNTER, MOBILE	PRECISION BLC-4-RT-MODIFIED
20	1	CASHIER COUNTER, MOBILE	PRECISION BLM-MODIFIED
21	1	HOT PLATE	TOASTMASTER 1122
22		SPARE NUMBER	
23	1	CAN OPENER	EDLUND NO. 1
24	1	REFRIGERATOR, MOBILE	TRAULSEN AHT-2-32-WUT
25	1	FREEZER, MOBILE	TRAULSEN ALT-2-32-WUT
26	1	CONVECTION OVEN	HOBART CN-903
27	1	WALK IN FREEZER	ELLIOTT WILLIAMS
27A	1	FREEZER COIL	BOHN LET-72
27B	1	COMPRESSOR	COPELAND CBAL-C3AL-0153
28	LOT	SHELF UNIT, MOBILE	METRO SUPER ERECTA SHELF

EQUIPMENT SCHEDULE

MARK	QUAN.	DESCRIPTION	MANUFACTURER & MODEL
29	6	UTILITY CART, MOBILE	RUBBERMAID 3355
30	6	FOOD TRANSPORTERS, MOBILE	CRESCENT H-339-127/128 STACK
30A	12	COLD PLATES	CRESCENT "KOLD-KEEPERS"
31			
32	1	HAND SINK	BY DIVISION 15
32A	1	SOAP DISPENSER	BY OTHERS
32B	1	TOWEL DISPENSER	BY OTHERS
32C	1	MIRROR	BY OTHERS
33	1	DETERGENT SYSTEM	BY SOAP VENDOR
34	1	MOP SINK	BY DIVISION 15
35	2	SHELF UNIT	METRO SUPER ERECTA SHELF
36	1	CONDIMENT COUNTER, MOBILE	PRECISION BLU-4
37	1	PAN RACK, MOBILE	CRESCENT 200-1833
38	1	ENCLOSED CABINET, MOBILE	CRESCENT 100-1833
39	1	CASH HANDLING SYSTEM	SHARP ZL-5100
40	1	COFFEE MAKER, 90 CUP	WEST BEND
41	1	DESK CHAIR	BY OWNER
42	1	CASH DRAWER	INDIANA CASH DRAWER

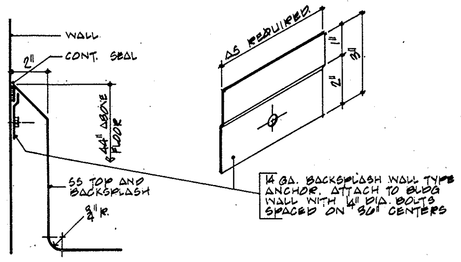


FOOD SERVICE EQUIPMENT ARCHITECTURAL PLAN

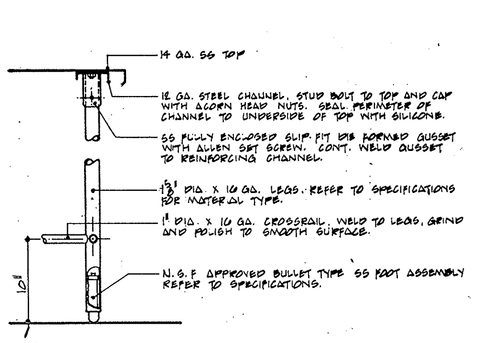


NOTE: NOTCH HOUSING AS REQ'D FOR TOP BRACING. STUD BOLT HOUSING TO UNDERSIDE OF TABLE TOP. CORNERS OF DRAWER PAN SLANTED TO BE ROUNDED. DRAWER TO BE SELF CLOSING.

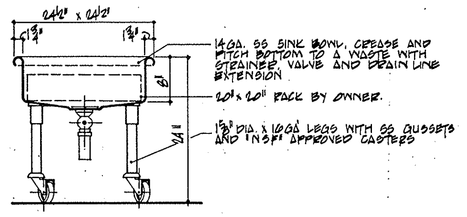
(1) TYPICAL DRAWER ASSEMBLY DETAIL



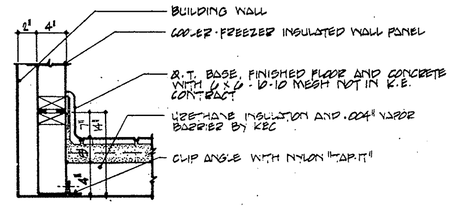
(2) TYPICAL TABLE BACKSPLASH



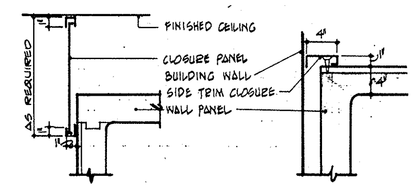
(3) TYPICAL LEG ASSEMBLEY



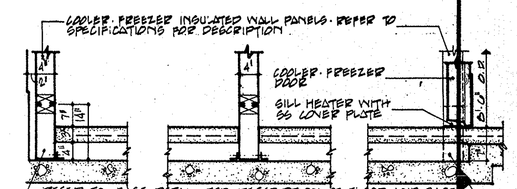
(4) PORTABLE SOAK SINK ITEM NO. 2



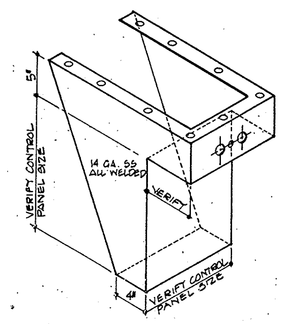
(5) COOLER - FREEZER BASE ITEM NO. 27



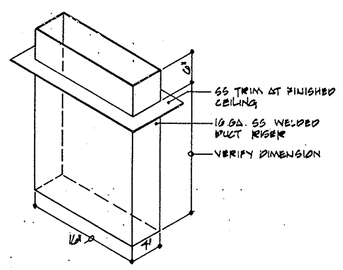
(6) COOLER - FREEZER TRIM ITEM NO. 27



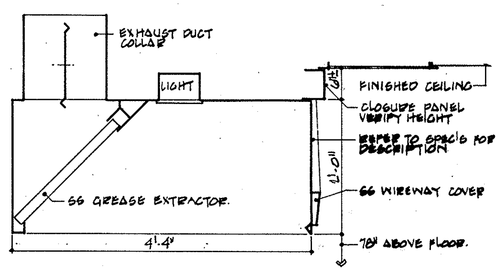
(7) COOLER - FREEZER FLOOR RECESS ITEM NO. 27



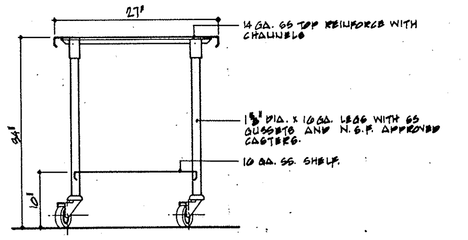
(8) MIXING VALVE - DISP CONTROL BRACKET



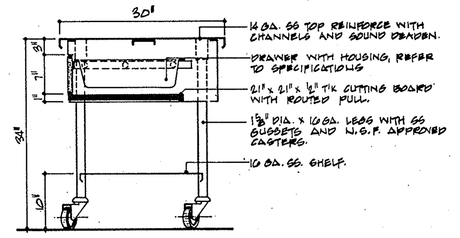
(9) DISHWASHER DUCT ITEM NO. 12



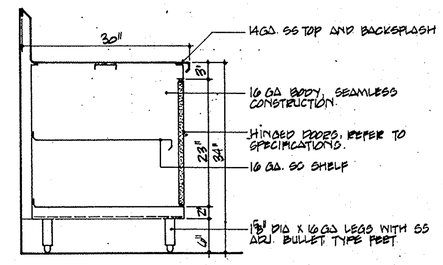
(10) VENTILATOR ITEM NO. 7



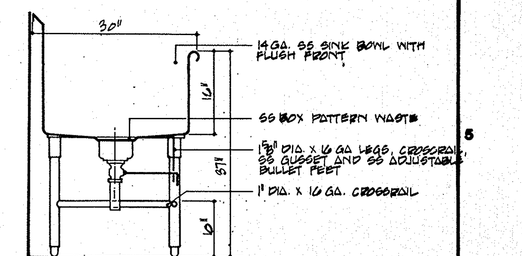
(11) PORTABLE TABLE ITEM NO. 1



(12) PORTABLE TABLE ITEM NO. 6



(13) HINGED DOOR CABINET BASE TABLE, ITEM NO. 5



(14) SINK ITEM NO. 3

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PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS ENGINEERS CONSULTANTS

FOOD SERVICE PLAN

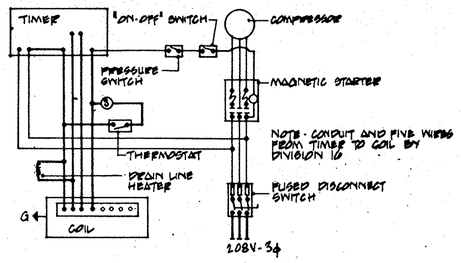
DRAWN BY: PV
CHECKED BY: PV
COMM. NO.: 8712.00
DATE: JAN. 11, 1988

REVISIONS NO. DATE

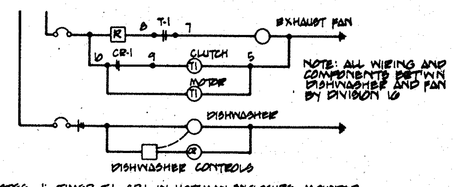
FS-2

HARRIS TOWNSHIP ELEMENTARY SCHOOL

22



19 FREEZER COIL - COMPRESSOR WIRING, ITEM NO. 27



NOTES:
1. TIMER T1-CR1 IN HOFFMAN ENCLOSURE MOUNTED
2. CR-1 IN DEFEB WITH 120V SWITCH OF DISHWASHER
3. T1-AMF PARAGON TIMER #500 WITH DEMOUNTABLE BASE
4. T-8 NO. GLOBE DURING TIMING OPENS WHEN TIMED OUT
5. TIMING STARTS WHEN T1-G IS DE-ENERGIZED. SET FOR 10 MINUTES

20 DISHWASHER EXHAUST FAN CONTROL, ITEM NO. 12

WORK BY DIVISION 16

ROUGH IN ELECTRICAL SERVICE THRU WALLS, FLOORS AND CEILINGS AND MIN CONDUIT AND CONDUCTORS FROM THE ROUGH IN. MAKE THE CONNECTIONS TO A TERMINAL BLOCK, TERMINAL PANEL OR JUNCTION BOX ON THE EQUIPMENT.

FURNISH AND INSTALL ALL ELECTRICAL OUTLETS IN WALLS, FLOOR AND CEILING.

FURNISH AND INSTALL DISCONNECT SWITCHES AS REQUIRED FOR THE EQUIPMENT IN ACCORDANCE WITH THE ELECTRICAL CODE.

FURNISH AND INSTALL ALL CONDUIT AND WIRING BETWEEN REMOTE CONTROL PANELS AND THE FOOD SERVICE EQUIPMENT.

THE FOOD SERVICE EQUIPMENT ELECTRICAL DRAWINGS AND EQUIPMENT DATA INFORMATION ARE PREPARED FOR THE CONVENIENCE OF BIDDING AND ARE NOT INTENDED AS ROUGH IN DRAWINGS TO BE USED ON THE PROJECT SITE. REFER TO THE FOOD SERVICE EQUIPMENT CONTRACTORS ROUGH IN DRAWING FOR ACCURATE LOCATION OF UTILITIES.

VERIFY ELECTRICAL CHARACTERISTICS OF OWNER'S EXISTING EQUIPMENT WHICH IS TO BE REUSED.

ABBREVIATIONS

DR	DUPLEX RECEPTACLE	KW	KILOWATT
SPO	SPECIAL RECEPTACLE	HP	HORSEPOWER
JB	JUNCTION BOX	V	VOLTS
DS	DISCONNECT SWITCH	SU	STUB UP
AMP	AMPERAGE	AF	ABOVE FLOOR
C/P	CORD AND PLUG	DFA	DROP FROM ABOVE

SYMBOLS

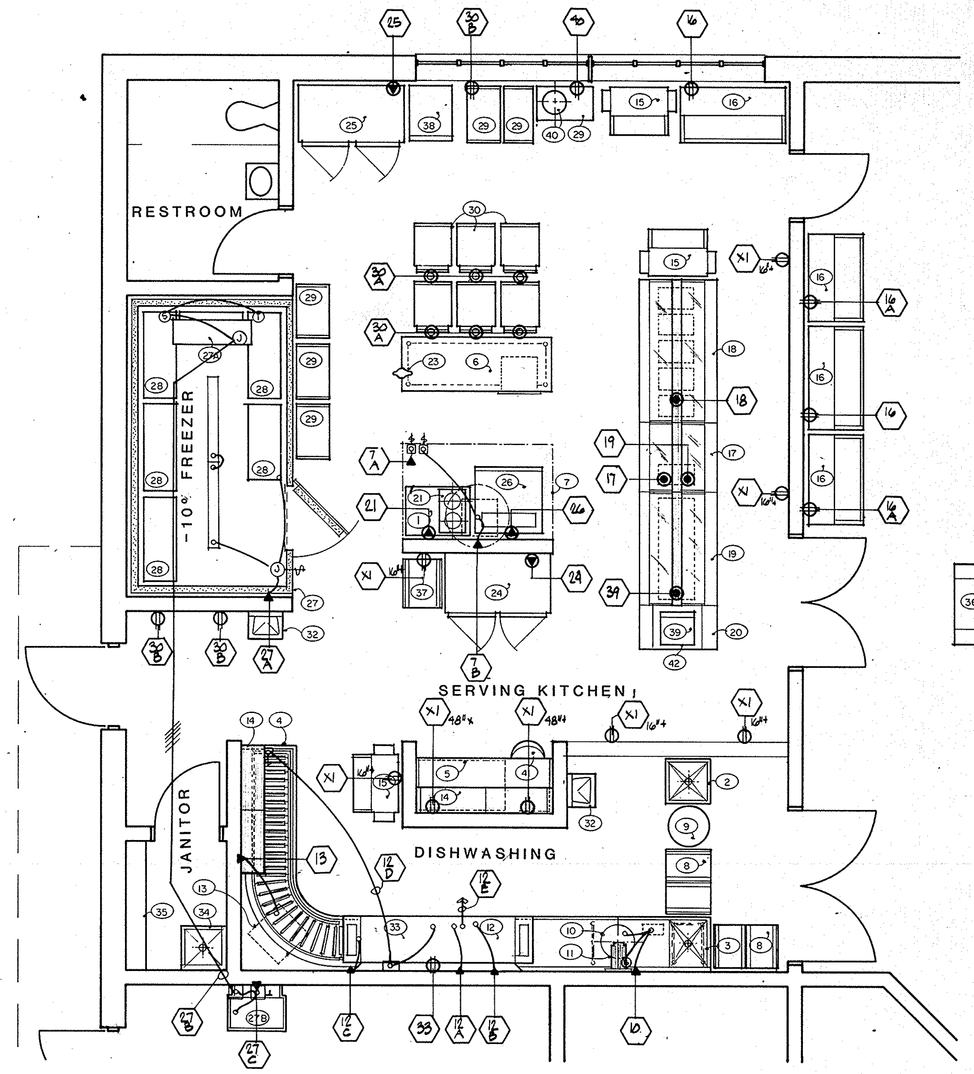
▲	ROUGH IN		DISCONNECT SWITCH
J	JUNCTION BOX		CORD AND PLUG
S	SOLENOID		WIRING BY DIVISION 16
T	THERMOSTAT		WIRING BY KEC
C	CONDUIT		DUPLEX RECEPTACLE
R	RELAY		FLOOR RECEPTACLE
A	ALARM		DROP CORD
T	TIMER		SPECIAL PURPOSE OUTLET
L	LIGHT	(10)	CONNECTION NUMBER
S	SWITCH	(5)	EQUIPMENT NUMBER

ELECTRICAL DATA

MARK	EQUIPMENT IS ROUGHED IN FOR MANUFACTURER AND MODEL NUMBER SPECIFIED.
(7) A	CANOPY .48 KW 120V-1 DROP FROM ABOVE AND CONNECT TO JUNCTION BOX ON CANOPY. DIVISION 16 WIRE FROM ROUGH IN TO THE JB ON TOP OF HOOD FOR CANOPY LIGHTS. RECONNECT WIRING FOR HOOD LIGHTS AT EACH FIELD JOINT. LIGHT SWITCH TO BE MOUNTED ON FRONT FACE OF CANOPY AND FACTORY WIRED TO LIGHT FIXTURES.
B	AIR HANDLER - .75 HP 208V-3 ON BUILDING ROOF FOR AIR HANDLER. DIVISION 16 WIRE FROM THE ROUGH IN AND CONNECT TO DISCONNECT SWITCH ON AIR HANDLER. WIRE FROM TERMINAL BLOCK ON AIR HANDLER TO FACTORY SUPPLIED CONTROL SWITCHES MOUNTED ON FRONT FACE OF HOOD IN KITCHEN.
(10)	DISPOSER WITH CONTROL PANEL - 2.0 HP 480V-3 24" AF. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT TO DISPOSER AND SOLENOID VALVE THRU THE DISPOSER CONTROL PANEL.
(12) A	DISHWASHER 5.0 HP 480V-3. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO THE TERMINAL ON THE DISHWASHER.
B	10.0 KW 480V-3. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO THE TERMINAL ON THE DISHWASHER.
C	20.0 KW 480V-3. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO THE TERMINAL ON THE DISHWASHER.
D	DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM MICRO SWITCH ON END OF CLEAN DISHTABLE TO THE AUTOMATIC ENERGY SAVINGS CONTROL BOX AND FROM THE CONTROL BOX TO THE DISHWASHER. REFER TO MANUFACTURERS LITERATURE FOR ADDITIONAL INFORMATION.
E	120V-1, DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM THE ROUGH IN THRU THE DISHWASHER CONTROL PANEL TO THE EXHAUST FAN. DIVISION 16 PROVIDE TIMER AND ALL RELAYS AND ENCLOSURES REQUIRED. REFER TO WIRING DIAGRAM.
(13)	BOOSTER HEATER - 40.5 KW 480V-3 12" AF. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT TO TERMINAL ON BOOSTER HEATER.
(16)	MILK COOLER, MOBILE - 6.3 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
(16A)	JUICE COOLER, MOBILE - 4.6 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
(17)	SOUP COUNTER, MOBILE - 20.0 AMP 120V-1 PEDESTAL TYPE FLOOR RECEPTACLE 4-1/2" MAXIMUM OVERALL HEIGHT.
(18)	HOT FOOD COUNTER, MOBILE - 30.0 AMP 120/208V-1 THREE WIRE PEDESTAL TYPE FLOOR RECEPTACLE 4-1/2" MAXIMUM OVERALL HEIGHT.
(19)	COLD FOOD COUNTER, MOBILE - 20.0 AMP 120V-1 PEDESTAL TYPE FLOOR RECEPTACLE 4-1/2" MAXIMUM OVERALL HEIGHT.

ELECTRICAL DATA

MARK	EQUIPMENT IS ROUGHED IN FOR MANUFACTURER AND MODEL NUMBER SPECIFIED.
(21)	HOT PLATE - 5.2 KW 208V-1 THREE WIRE SPECIAL PURPOSE RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
(24)	REFRIGERATOR, MOBILE - 20.0 AMP 120V-1 SPECIAL PURPOSE RECEPTACLE FLUSH MOUNTED IN WALL 48" AF.
(25)	FREEZER, MOBILE - 15.0 AMP 120/208V-1 THREE WIRE SPECIAL PURPOSE RECEPTACLE FLUSH MOUNTED IN WALL 48" AF.
(26)	CONVECTION OVEN - 20.0 AMP 480V-3 THREE WIRE SPECIAL PURPOSE RECEPTACLE FLUSH MOUNTED IN WALL 48" AF.
(27) A	WALK IN FREEZER 9.75 KW 120V-1 DROP FROM ABOVE AND CONNECT TO JUNCTION BOX ON TOP OF UNIT CEILING. DIVISION 16 WIRE FROM JB ON TOP OF UNIT CEILING TO KEC FURNISHED LIGHT FIXTURES. ALL CONDUIT AND WIRE SHALL BE INSTALLED ABOVE AND ON THE OUTSIDE OF THE UNIT CEILING. ALL PENETRATIONS THRU THE WALLS AND CEILING ARE TO BE EQUIPPED WITH "SEAL-OFFS". WIRE PERIMETER DOOR HEATERS AND AIR RELIEF VENT HEATERS
B	FREEZER COIL - CONDUIT AND WIRES FROM JUNCTION BOX ON FREEZER COIL TO THE REMOTE TIMER ON THE COMPRESSOR. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT TO KEC FURNISHED ROOM TEMPERATURE CONTROLS. WIRE DRAIN LINE HEATER TO FREEZER COIL "HOT" TERMINALS. REFER TO FREEZER COIL WIRING DIAGRAM.
C	FREEZER COMPRESSOR - 1.5 HP 208V-3. DIVISION 16 CONNECT TO KEC FURNISHED DISCONNECT SWITCH ON THE COMPRESSOR. DISCONNECT SWITCH TO BE FACTORY WIRED TO THE COMPRESSOR AND TIMER. REFER TO FREEZER/COIL COMPRESSOR WIRING DIAGRAM.
(30) A	FOOD TRANSPORTERS, MOBILE 1.8 KW 120V-1 AT CEILING. DIVISION 16 PROVIDE DROP CORD ASSEMBLY TO 78" AF.
B	1.8 KW 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
(33)	DETERGENT SYSTEM - 20.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 60" AF.
(39)	CASH HANDLING SYSTEM - 20.0 AMP 120V-1 RECEPTACLE WITH ISOLATED GROUND AND A DEDICATED CIRCUIT FOR CASH REGISTER.
(40)	COFFEE MAKER, 90 CUP - 20.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
(X1)	20.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL.



FOOD SERVICE EQUIPMENT
ELECTRICAL PLAN

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LEE BROCKWAY REGISTERED No. 7656 STATE OF INDIANA ARCHITECT

NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS ENGINEERS CONSULTANTS

FOOD SERVICE PLAN
DRAWN BY: PV COMM. NO.: 8712.00
CHECKED BY: PV DATE: JAN. 11,1988
REVISIONS NO. DATE

FS-3

HARRIS TOWNSHIP ELEMENTARY SCHOOL

22

FOOTING SCHEDULE

FOR 3000 PSF SOIL BEARING

FTG. MARK (CAPACITY)	SIZE L x W x THK	REINFORCING	TOP / FOOTING EL. (U.N.)
F–1 (27K)	3'–0"x3'–0"x1'–0"	4–#5 EA. WAY	99'–4"
F–2 (37K)	3'–6"x3'–6"x1'–0"	4–#5 EA. WAY	99'–4"
F–3 (48K)	4'–0"x4'–0"x1'–0"	5–#5 EA. WAY	99'–4"
F–4 (61K)	4'–6"x4'–6"x1'–0"	5–#5 EA. WAY	99'–4"
F–5 (75K)	5'–0"x5'–0"x1'–0"	6–#6 EA. WAY	99'–4"
F–6 (91K)	5'–6"x5'–6"x1'–0"	6–#6 EA. WAY	99'–4"
F–7 (108K)	6'–0"x6'–0"x1'–2"	7–#7 EA. WAY	99'–4"
F–8 (127K)	6'–6"x6'–6"x1'–4"	7–#7 EA. WAY	99'–4"
F–A (54K)	3'–0"x6'–0"x1'–0"	7–#5 LAT.; 4–#4 LONG.	99'–4"

1-S1 FOOTING SCHEDULE
SCALE: NONE

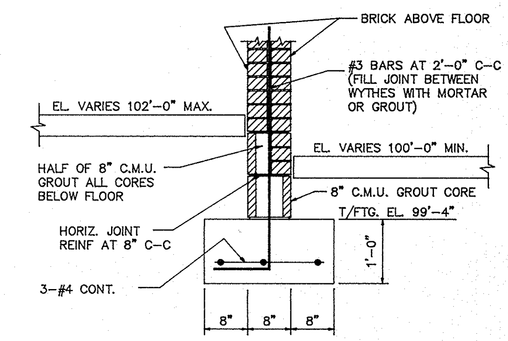
COLUMN SCHEDULE

COLUMN MARK	SIZE	REMARKS
C–1	TS6x6x3/16	
C–2	TS6x6x1/4	
C–3	TS6x6x3/8	
C–4	TS6x6x1/2	
C–5	3" STD. PIPE	

PILASTER SCHEDULE

PILASTER MARK	SIZE (CONCRETE MASONRY)	REINFORCING
P–1	12" x 12"	4–#5 VERT.; #3 TIES AT 12" C. TO C.
P–2	16" x 16"	4–#8 VERT.; #3 TIES AT 12" C. TO C. TOP FTG. EL. 99'–4"; TOP PIER EL. 101'–4"

2-S1 COLUMN AND PILASTER SCHEDULE
SCALE: NONE



3-S1 RAMP FOUNDATION
SCALE: 3/4" = 1'–0"

NOTES:
1. ALL DIAGONAL BASELINES AND COLUMN LINES ARE AT 45° TO EXTERIOR WALLS. (TYPICAL)
2. FOR WALL AND DOOR OPENING DIMENSIONS AND LOCATIONS RE: SHT. A–2 AND SHT. A–3.

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THE
HARRIS TOWNSHIP ELEMENTARY SCHOOL
FOR THE
PENN–HARRIS–MADISON SCHOOL CORPORATION
GRANGER, INDIANA

KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

FOUNDATION PLAN

DRAWN BY: T.J.H. COMM. NO.: 8712.00
CHECKED BY: G.E.K. DATE: JAN. 11, 1988
REVISIONS NO. DATE

S-1

HARRIS TOWNSHIP

LAWSON–FISHER ASSOCIATES
525 W. WASHINGTON SOUTH BEND, INDIANA 46601

ALT.	ALTERNATE	L	ANGLE
ARCH.	ARCHITECTURAL	LLH	LONG LEG HORIZONTAL
		LLV	LONG LEG VERTICAL
BM.	BEAM		
BOTT.	BOTTOM	MAX.	MAXIMUM
BRG.	BEARING	MECH.	MECHANICAL
		MIN.	MINIMUM
℄	CENTERLINE	MSRY.	MASONRY
C.M.U.	CONCRETE MASONRY UNIT		
C. TO C.	CENTER TO CENTER	N.	NORTH
CL.	CLEAR/CLEARANCE	NO./#	NUMBER
COL.	COLUMN		
CONC.	CONCRETE	O. TO O.	OUT TO OUT
CONSTR.	CONSTRUCTION	OPNG.	OPENING
CONT.	CONTINUOUS	OPP. HD.	OPPOSITE HAND
CONTR.	CONTRACTOR		
		℗	PLATE
DTL.	DETAIL	PSF	POUNDS PER SQUARE FOOT
DRWG.	DRAWING	PSI	POUNDS PER SQUARE INCH
E.	EAST	RE:	REFER TO
EA.	EACH	REINF.	REINFORCING
E.F.	EACH FACE	REQ'D.	REQUIRED
ELECT.	ELECTRICAL		
EL.	ELEVATION	S.	SOUTH
EQU.	EQUAL	SECT.	SECTION
EQUIP.	EQUIPMENT	SIM.	SIMILAR
E.W.	EACH WAY	SPA.	SPACE
EXIST.	EXISTING	SPEC.	SPECIFICATIONS
EXP.	EXPANSION	STD.	STANDARD
		STL.	STEEL
FIN.	FINISH	STRUCT.	STRUCTURAL
FLR.	FLOOR		
FND.	FOUNDATION	T/	TOP OF
FTG.	FOOTING	THK.	THICK/THICKNESS
		TYP.	TYPICAL
GA.	GAUGE		
G.C.	GENERAL CONTRACTOR	U.N.	UNLESS NOTED
HORIZ.	HORIZONTAL	V.I.F.	VERIFY IN FIELD
H.S.	HIGH STRENGTH	VERT.	VERTICAL
JST.	JOIST	W.	WEST
JT.	JOINT	W/	WITH
		WWF	WELDED WIRE FABRIC

1-S2 ABBREVIATIONS
SCALE: NONE

GENERAL NOTES – CONCRETE

1. FOUNDATIONS ARE DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 3000 PSF AT BOTTOM OF FOOTING. (NET PRESSURE)
2. BOTTOM OF ALL FOOTING EXCAVATIONS SHALL BE COMPACTED PROIR TO PLACING CONCRETE.
3. EXTERIOR FACE OF ALL EXTERIOR FOUNDATION WALLS TO BE DAMPPROOFED RE: SPECIFICATIONS AND APPROPRIATE DETAILS.
4. ALL CONCRETE SHALL BE F'c = 4000 PSI AT 28 DAYS. RE: SPECIFICATIONS
5. ALL REINFORCING STEEL SHALL BE Fy = 60,000 PSI.
6. RE: ACI 318-83 PARAGRAPH 7.7.1 FOR PROTECTIVE COVERING ON REINFORCING UNLESS OTHERWISE NOTED ON DRAWINGS.
7. MINIMUM LAP LENGTH OF REINFORCING STEEL AT SPLICES SHALL BE 32 BAR DIAMETERS OR 1'-0" MINIMUM UNLESS OTHERWISE NOTED.
8. RE: ARCHITECTURAL PLANS AND DETAILS FOR ALL SLABS-ON-GRADE.
9. COORDINATE WITH HVAC AND PLUMBING CONTRACTORS FOR INSTALLATION OF ALL REQUIRED SLEEVES, INSERTS, ETC.
10. ○——— OPEN COLUMN LINE BUBBLE INDICATES DETAIL APPLIES TO SEVERAL LOCATIONS.

2-S2 GENERAL NOTES - CONCRETE
SCALE: NONE

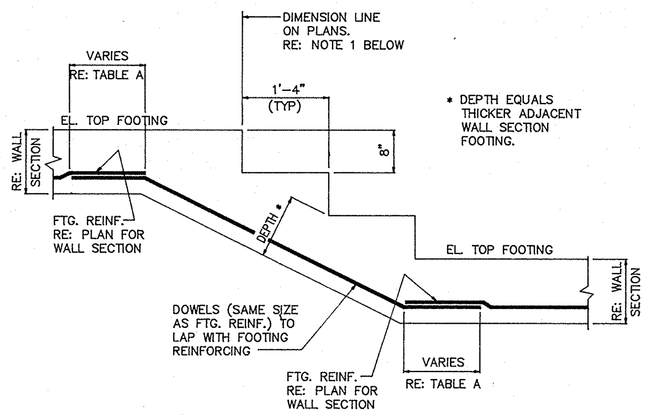
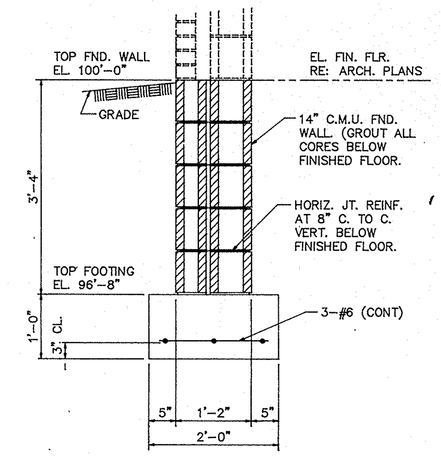


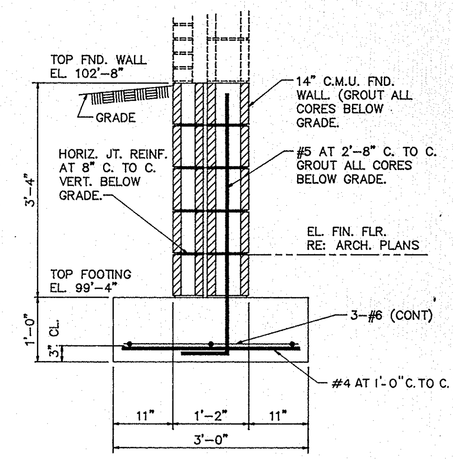
TABLE A	
FOOTING REINFORCING	LAP LENGTH
#4	1'-4"
#5	1'-8"
#6	2'-0"
#7	2'-8"
#8	3'-6"

NOTES:
1. DIMENSION ON PLANS MAY VARY ±1'-0" TO MATCH C.M.U. MODULAR DIMENSIONS.

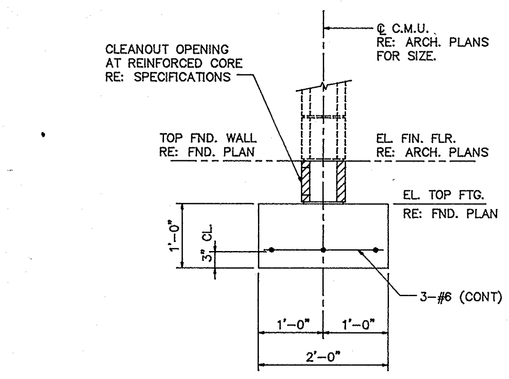
3-S2 TYPICAL STEPPED FOOTING
SCALE: NONE



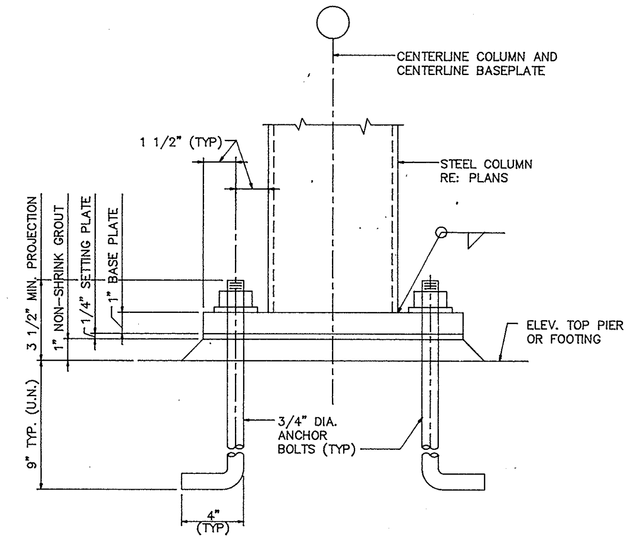
4-S2 TYPICAL FOUNDATION WALL
SCALE: 3/4" = 1'-0"



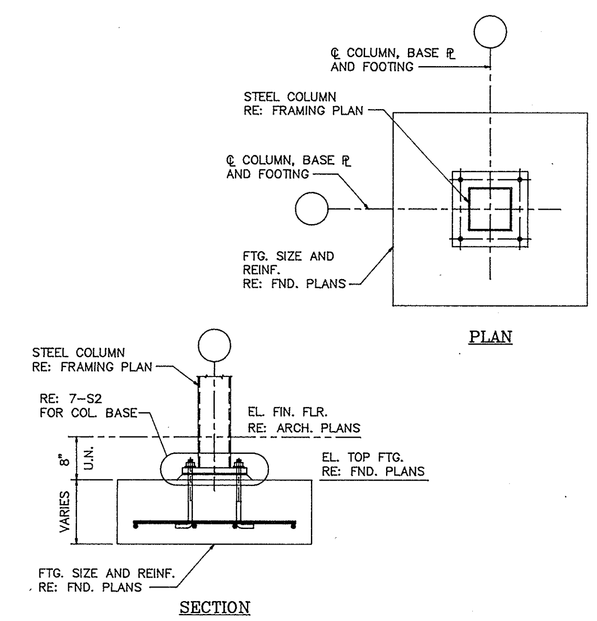
5-S2 TYPICAL FOUNDATION WALL AT BERM
SCALE: 3/4" = 1'-0"



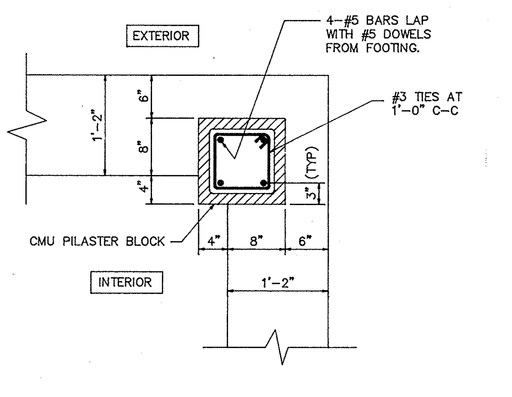
6-S2 TYPICAL INTERIOR FOUNDATION WALL
SCALE: 3/4" = 1'-0"



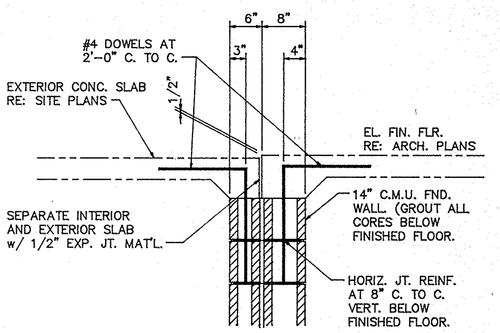
7-S2 TYPICAL COLUMN BASE
SCALE: NONE



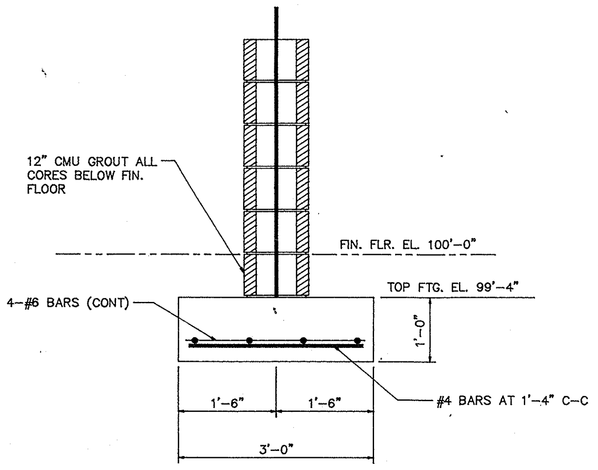
8-S2 TYPICAL ISOLATED FOOTING
SCALE: NONE



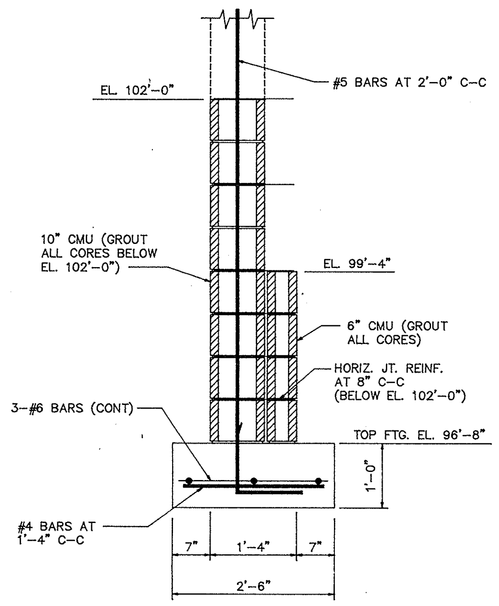
9-S2 TYPICAL CORNER PILASTER
SCALE: 1" = 1'-0"



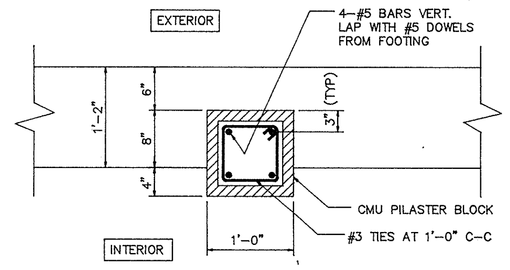
10-S2 FOUNDATION WALL AT DOOR OPENING
SCALE: 3/4" = 1'-0"



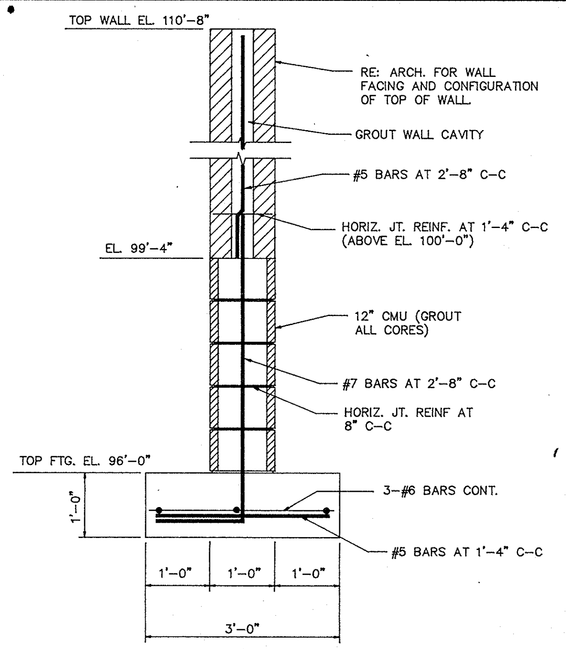
11-S2 SOUTHEAST GYM WALL
SCALE: 3/4" = 1'-0"



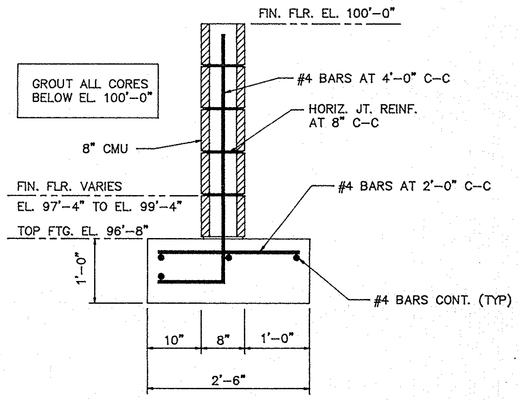
12-S2 EXTERIOR FOUNDATION WALL
SCALE: 3/4" = 1'-0"



13-S2 TYPICAL PILASTER
SCALE: 1" = 1'-0"



14-S2 SERVICE YARD FOUNDATION WALL
SCALE: 3/4" = 1'-0"



15-S2 FOUNDATION WALL AT PIT
SCALE: 3/4" = 1'-0"

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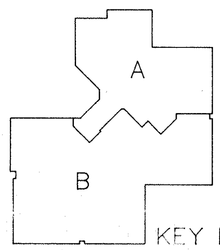
GRANGER, INDIANA



FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

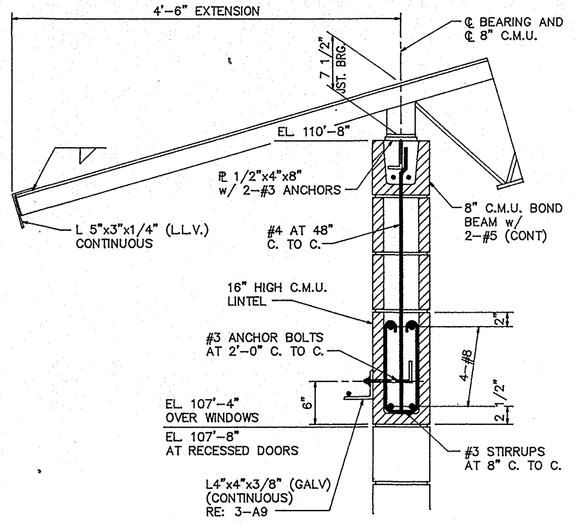
FOUNDATION DETAILS

DRAWN BY: T.J.H. COMM. NO.: 8712.00
CHECKED BY: G.E.K. DATE: JAN. 11, 1988
REVISIONS NO. DATE

S-2

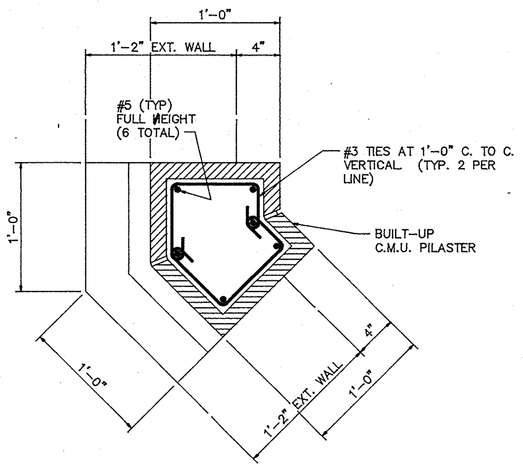
HARRIS TOWNSHIP

LAWSON-FISHER ASSOCIATES
525 W. WASHINGTON SOUTH BEND, INDIANA 46601



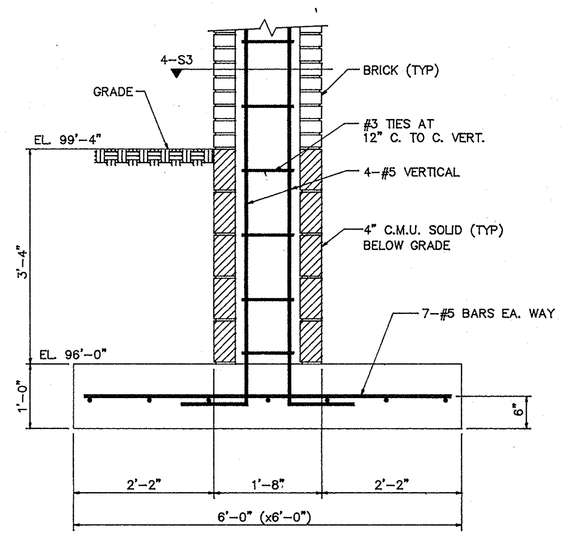
1-S3 MASONRY LINTEL

SCALE: 1" = 1'-0"



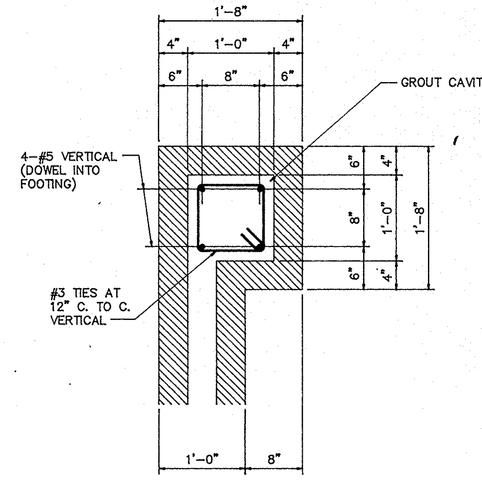
2-S3 SPECIAL PILASTER

SCALE: 1 1/2" = 1'-0"



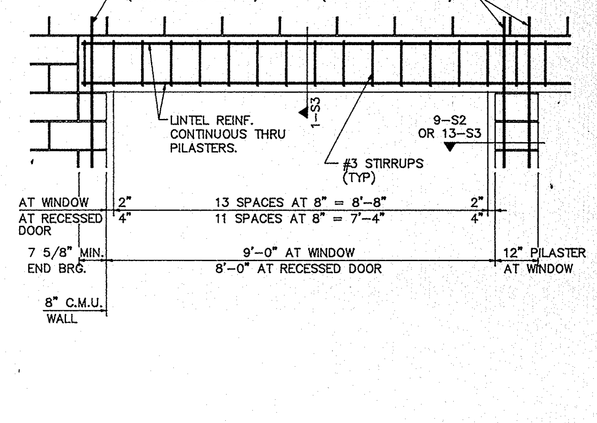
3-S3 SECTION THRU PLIASTER

SCALE: 3/4" = 1'-0"



4-S3 SERVICE YARD PILASTER

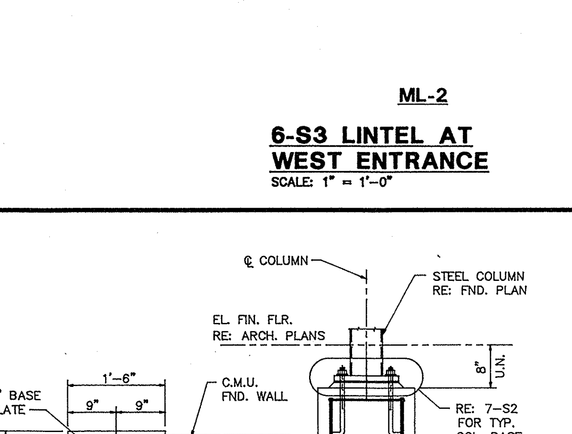
SCALE: 1" = 1'-0"



ML-2 12" WIDE
ML-1 8" WIDE

5-S3 MASONRY LINTEL ELEVATION

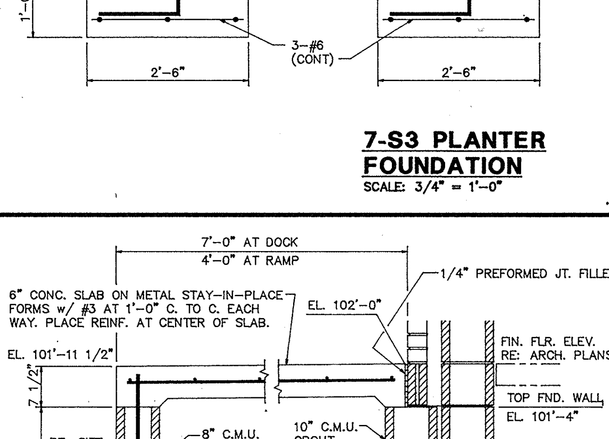
SCALE: 1/2" = 1'-0"



ML-2

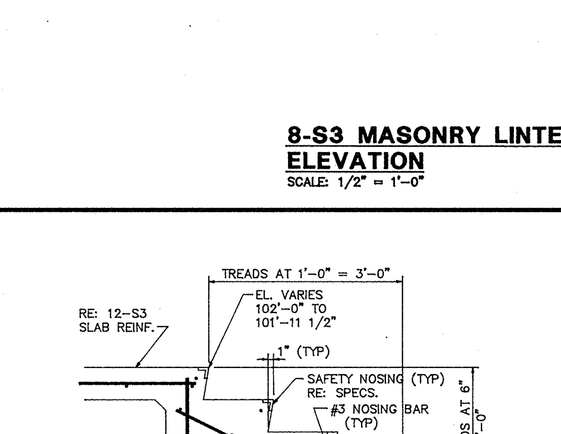
6-S3 LINTEL AT WEST ENTRANCE

SCALE: 1" = 1'-0"



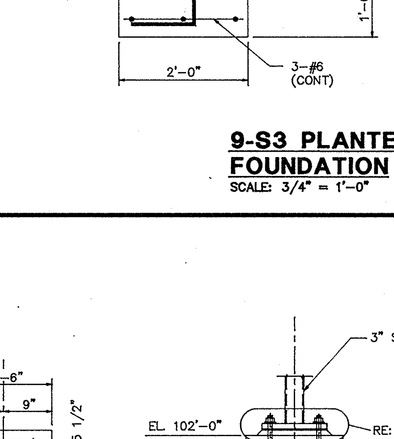
7-S3 PLANTER FOUNDATION

SCALE: 3/4" = 1'-0"



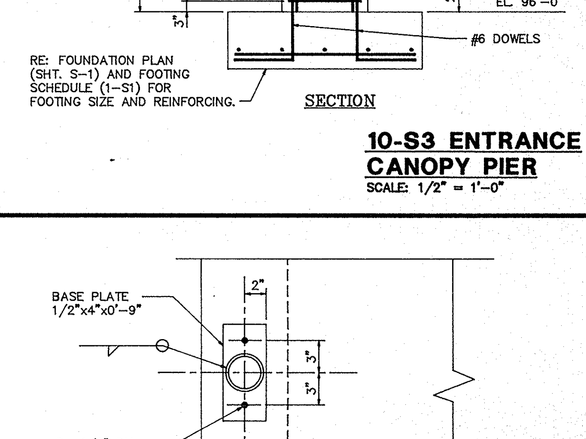
8-S3 MASONRY LINTEL ELEVATION

SCALE: 1/2" = 1'-0"



9-S3 PLANTER FOUNDATION

SCALE: 3/4" = 1'-0"



10-S3 ENTRANCE CANOPY PIER

SCALE: 1/2" = 1'-0"

11-S3 ISOLATED PIER

SCALE: 3/4" = 1'-0"

12-S3 SECTION THRU LOADING DOCK

SCALE: 3/4" = 1'-0"

13-S3 LOADING DOCK STEPS

SCALE: 3/4" = 1'-0"

14-S3 LOADING DOCK PIER

SCALE: 3/4" = 1'-0"

15-S3 LOADING DOCK COLUMN

SCALE: 1 1/2"=1'-0"

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KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

FND. AND MASONRY DETAILS

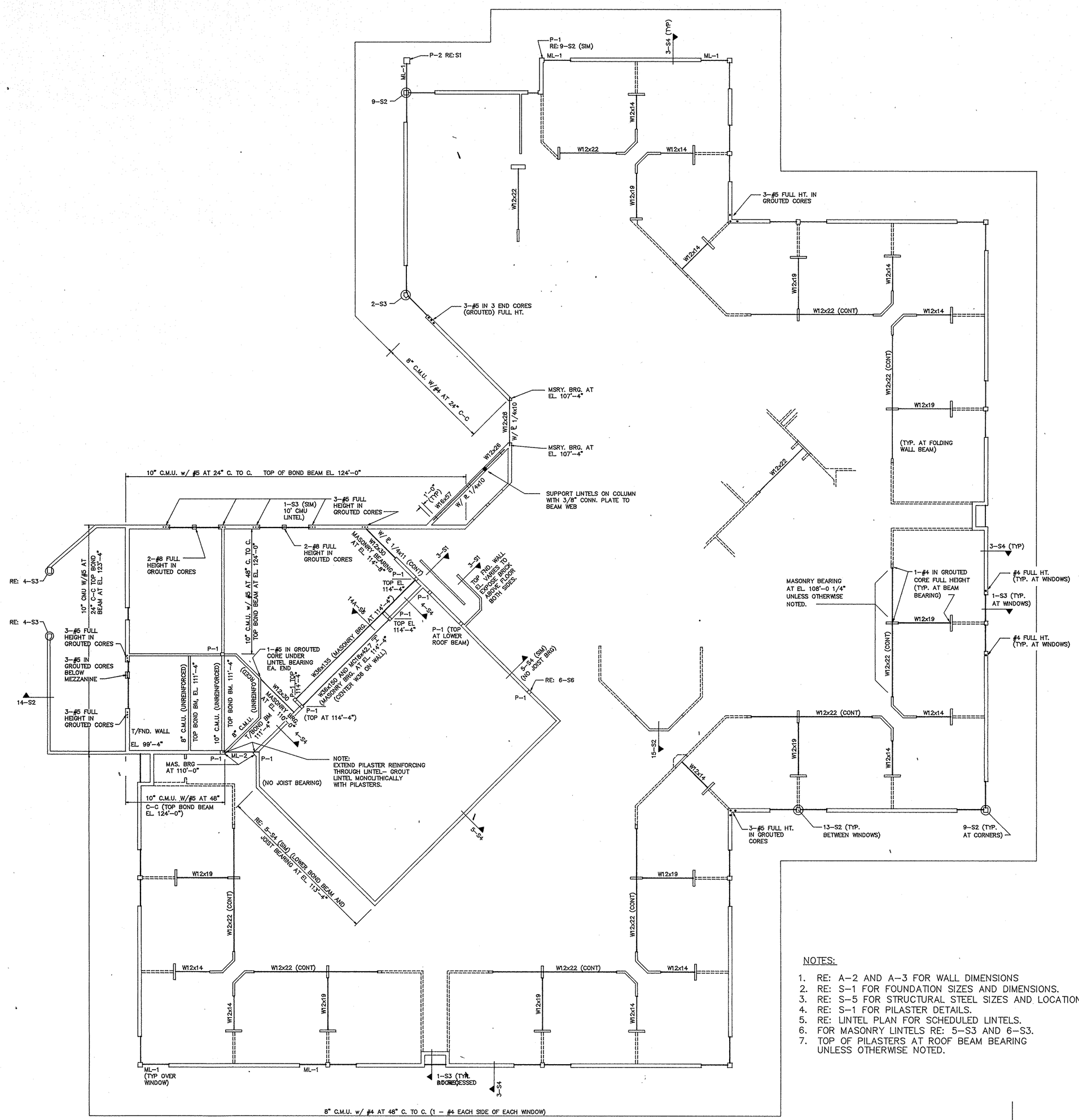
DRAWN BY: TJH, DAO COMM. NO.: 8712.00
CHECKED BY: G.E.K. DATE: JAN. 11, 1988

REVISIONS NO. DATE

S-3

HARRIS TOWNSHIP ELEMENTARY SCHOOL

LAWSON-FISHER ASSOCIATES
525 N. LAFAYETTE SOUTH BEND, INDIANA 46601



NOTES:

1. RE: A-2 AND A-3 FOR WALL DIMENSIONS
2. RE: S-1 FOR FOUNDATION SIZES AND DIMENSIONS.
3. RE: S-5 FOR STRUCTURAL STEEL SIZES AND LOCATIONS.
4. RE: S-1 FOR PILASTER DETAILS.
5. RE: LINTEL PLAN FOR SCHEDULED LINTELS.
6. FOR MASONRY LINTELS RE: 5-S3 AND 6-S3.
7. TOP OF PILASTERS AT ROOF BEAM BEARING UNLESS OTHERWISE NOTED.

STRUCTURAL LINTEL AND MASONRY REINFORCING PLAN
SCALE: 1/16" = 1'-0"

NORTH

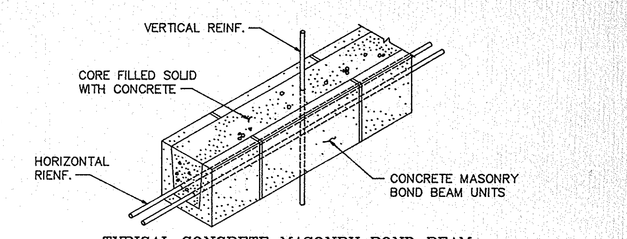
GENERAL NOTES — MASONRY

1. ALL REINFORCED CONCRETE MASONRY SHALL BE ASTM C90 HOLLOW LOAD BEARING (HL) NORMAL WEIGHT, WITH F'm = 1500 PSI. (ON GROSS SECTION)
2. ALL MORTAR AND GROUT SHALL CONFORM TO ASTM C270 AND C476 WITH F'c = 2500 PSI AT 28 DAYS (FOR REINFORCED AND GROUTED CONCRETE MASONRY)
3. ALL REINFORCING SHALL BE Fy = 60,000 PSI.
4. FOR VERTICAL C.M.U. CORES REINFORCED WITH ONE BAR, CENTER BAR IN WALL.
5. ALL VERTICAL REINFORCING STEEL IN MASONRY WALLS SHALL BE ALIGNED AND HELD IN POSITION BY CAGING DEVICES AT 48" C. TO C. VERTICALLY. RE: 2-S4
6. THE MINIMUM LENGTH OF LAP FOR VERTICAL BARS IN MASONRY WALLS UNLESS OTHERWISE NOTED SHALL BE AS FOLLOWS:

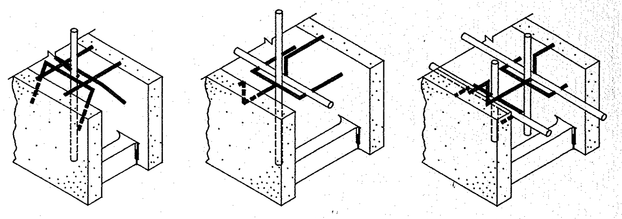
BAR NO.	LAP	BAR NO.	LAP
#3	12"	#6	29"
#4	16"	#7	39"
#5	20"	#8	51"

7. HORIZONTAL JOINT REINFORCING SHALL BE EXTRA HEAVY (3/16" SIDE RODS) TRUSS TYPE AND SHALL BE INSTALLED AT 16 INCH VERTICAL SPACING TYPICALLY EXCEPT AT THE FOLLOWING LOCATIONS WHERE THE SPACING SHALL BE 8" VERTICALLY:
   A. TWO BED JOINTS ABOVE AND BELOW ALL OPENINGS.
   B. IN PARAPETS ABOVE THE ROOF LINE.
   C. IN ALL MASONRY WALLS BELOW FINISH GRADE.
8. ALL BOND BEAMS SHALL BE CONTINUOUS AND SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH 2-#5 BARS CONTINUOUSLY UNLESS OTHERWISE NOTED. PROVIDE DOWELS AT CORNERS TO MAINTAIN CONTINUOUS REINFORCING.
9. GROUT SHALL BE PLACED IN THE VERTICAL CORES OF THE MASONRY UNITS UTILIZING THE HIGH LIFT GROUTING METHOD SET FORTH IN ACI 531.1-79 (REVISED 1981) AND ITS COMMENTARY ACI 531R-79.
   1. GROUT SHALL COMPLY WITH ATSM C476.
   2. CLEANING HOLES SHALL BE PROVIDED AT THE BOTTOM OF ALL CORES CONTAINING REINFORCING AND ALL OTHER CORES TO BE GROUTED. CLEANING HOLES SHALL BE LOCATED ON THE CAVITY FACE OF ALL MASONRY IN CAVITY WALL CONSTRUCTION. ALL MORTAR DROPPINGS AND OTHER DEBRIS SHALL BE REMOVED FROM THE CORES PRIOR TO THE START OF THE GROUTING OPERATION. CLEANING HOLES SHALL BE COVERED JUST PRIOR TO THE BEGINNING OF THE GROUTING OPERATION.
   3. THE MAXIMUM HEIGHT OF A GROUTED POUR SHALL BE 24 FEET.
   4. GROUTED POURS SHALL BE MADE IN LIFTS NOT EXCEEDING 4 FEET IN HEIGHT. ALLOW 60 MINUTES TO ELAPSE BETWEEN SUCCESSIVE LIFTS.
   5. STOP GROUT POURS 1 1/2 INCHES BELOW THE UPPERMOST PORTION OF THE CAVITY BEING FILLED TO PROVIDE A KEY FOR THE NEXT LIFT OR POUR.
   6. CONSOLIDATE GROUT BY PUDDLING OR VIBRATING EACH LIFT PRIOR TO LOSS OF PLASTICITY.
   7. ALL REINFORCING STEEL SHALL BE INSPECTED IN PLACE BEFORE GROUTING AND THERE SHALL BE CONTINUOUS INSPECTION DURING THE GROUTING OPERATION.
10. IN EXTERIOR WALLS PLACE ONE REINFORCING BAR (SAME SIZE AS IN ADJACENT WALL) IN GROUTED CORE EXTENDING 2 FEET ABOVE AND BELOW THE OPENING FOR ALL WINDOW AND DOOR OPENINGS UP TO 8 FEET WIDE. FOR OPENINGS 8 FEET TO 16 FEET WIDE PLACE TWO REINFORCING BARS IN TWO GROUTED CORES EACH SIDE OF OPENING.
11. GROUT CORES 2 FEET BELOW ALL LINTEL AND BEAM BEARINGS.

1-S4 GENERAL NOTES - MASONRY
SCALE: NONE



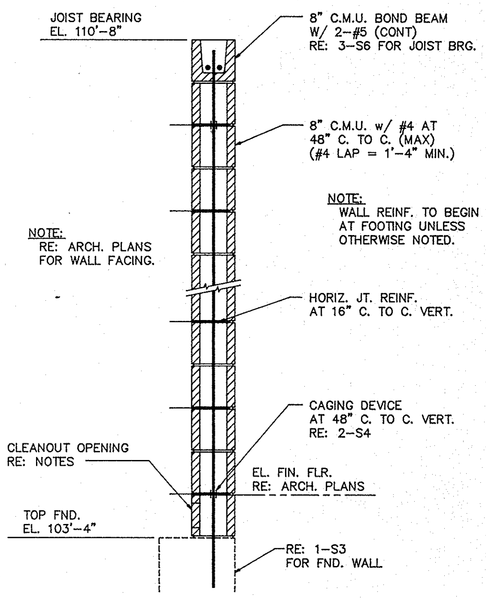
TYPICAL CONCRETE MASONRY BOND BEAM



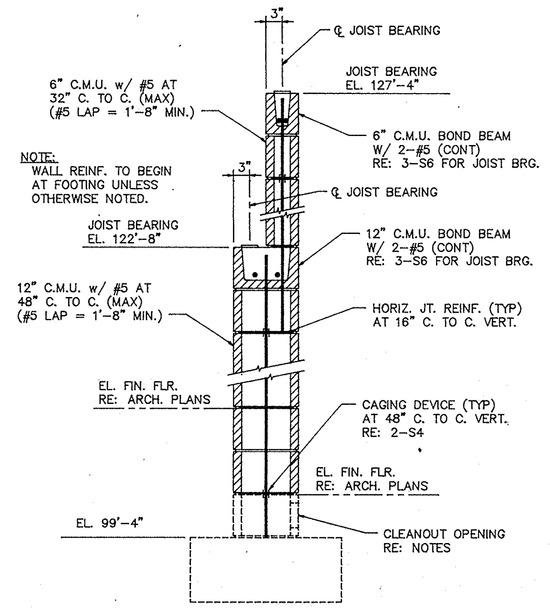
CAGING DEVICE | CENTERING CLIP | DUAL-CENTERING CLIP

NOTE:
CENTERING AND CAGING DEVICES SHALL BE FORMED FROM #9 HARD WIRE, SPOT WELDED AND GALVANIZED.

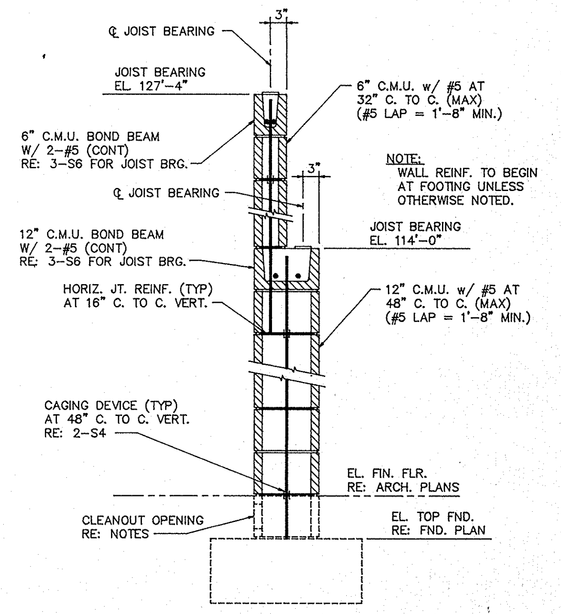
2-S4 TYPICAL MASONRY DETAILS
SCALE: NONE



3-S4 TYPICAL EXTERIOR BEARING WALL
SCALE: 3/4" = 1'-0"



4-S4 INTERIOR BEARING WALL
SCALE: 3/4" = 1'-0"



5-S4 INTERIOR BEARING WALL
SCALE: 3/4" = 1'-0"

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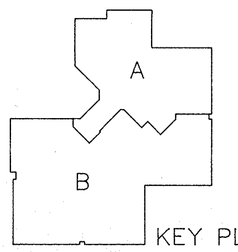
GERALD E. KITCH REGISTERED No. 14647 STATE OF INDIANA PROFESSIONAL ENGINEER

THE
HARRIS TOWNSHIP ELEMENTARY SCHOOL
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA



KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

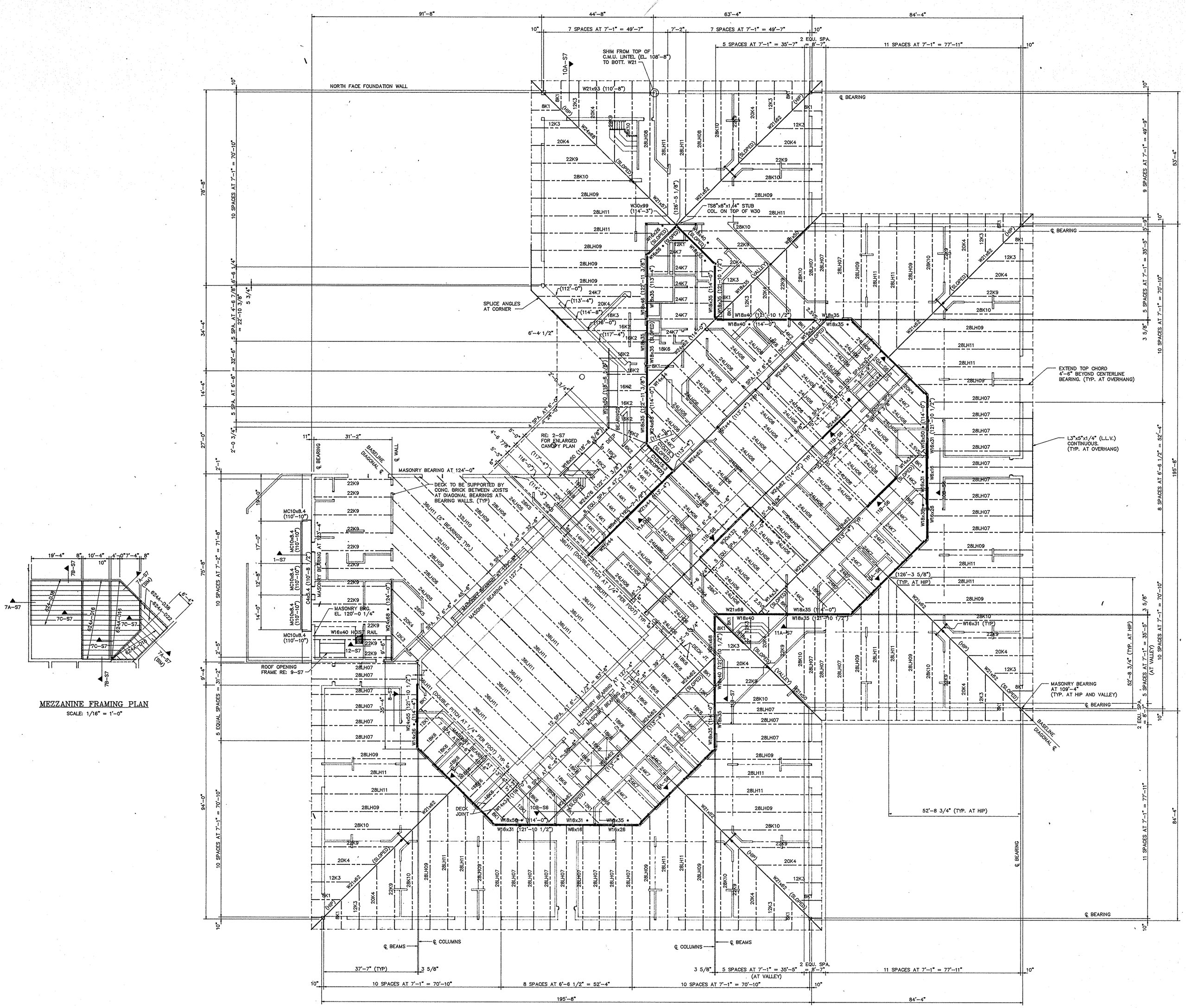
MASONRY PLAN AND DETAILS

DRAWN BY: TJH, DAO COMM. NO.: 8712.00
CHECKED BY: G.E.K. DATE: JAN. 11, 1988

REVISIONS NO. DATE

S-4

HARRIS TOWNSHIP ELEMENTARY SCHOOL



19'-4"
8"
10'-4"
4'-0"
7'-4"
8"
10"
7A-S7
7C-S7
7D-S7
6"x4"x5/16" (124'-0")
6"x4"x5/16" (124'-0")
6"x4"x5/16" (124'-0")

GENERAL NOTES – STRUCTURAL STEEL

1. STEEL ROOF DECK SHALL BE 1 1/2" STANDARD WIDE RIB DECK (WR20), GALVANIZED 20 GAGE CONFORMING TO THE STEEL DECK INSTITUTE AND FACTORY MUTUAL STANDARDS. (TWO OR MORE SPAN LOADING CONDITIONS) ALL EXPOSED ROOF DECK SHALL BE PERFORATED WEB ACCOUSTICAL DECK WITH MINERAL SOUND ABSORBING BATTS IN RIBS. RE: SPECIFICATIONS.
2. THE STEEL JOIST SHALL CONFORM TO THE STEEL JOIST INSTITUTE SPECIFICATIONS.
3. ALL ROOF JOIST BEARINGS TO BE 5" DEEP UNLESS OTHERWISE NOTED.
4. CAMBER ALL JOISTS IN ACCORDANCE WITH S.J.I. SPECIFICATIONS.
5. EXTEND ALL BOTTOM CHORDS OF JOIST TO COLUMNS. RE: TYPICAL JOIST CONNECTIONS.
6. ALL JOIST EXTENDED ENDS SHALL BE DESIGNED TO CARRY THE ALLOWABLE UNIFORM LOAD FOR THAT JOIST, UNLESS OTHERWISE NOTED.
7. FURNISH BRIDGING BETWEEN JOISTS IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE SPECIFICATIONS UNLESS OTHERWISE NOTED.
8. STRUCTURAL STEEL SHALL BE AS FOLLOWS EXCEPT AS OTHERWISE NOTED:
   STRUCTURAL SHAPES – ASTM A36 (Fy = 36KSI)
   STRUCTURAL TUBES – ASTM A500 (Fy = 46KSI) GRADE B
9. FIELD CONNECTIONS SHALL BE BOLTED WITH 3/4" ø, ASTM A325 BOLTS EXCEPT AS OTHERWISE NOTED AND WHERE WELDING IS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS.
10. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND THE SPECIFICATIONS.
11. FABRICATE AND ERECT ALL STRUCTURAL STEEL WITH RESIDUAL MILL CAMBER UPWARDS.
12. ALL MASONRY WALLS SHALL BE ANCHORED TO STEEL COLUMNS WITH FLEXIBLE TIES. RE: SPECIFICATIONS
13. W12x16 (110'–8 1/2") — INDICATES LEFT END OF BEAM FRAMES INTO THE SIDE OF THE COLUMN. INDICATES THAT THE W12x16 BEAM IS LEVEL WITH THE TOP OF ITS FLANGES AT ELEVATION 110'–8 1/2". INDICATES THAT THE RIGHT END OF BEAM EXTENDS OVER THE TOP OF THE COLUMN.
    W12x16 (SLOPED) (110'–10 1/2") (110'–0") — INDICATES THAT THE W12x16 BEAM IS SLOPED WITH THE TOP OF ITS FLANGE AT ELEVATION 110'–0" AND ELEVATION 110'–10 1/2" AT THE CENTERLINE OF THE TWO COLUMNS.
14. ALL STRUCTURAL ELEVATIONS ARE BASED ON THE TOP SURFACE OF THE FINISHED FLOOR AT THE MAIN ENTRANCE BEING ELEV. 100'–0"

1-S6 GENERAL NOTES STRUCTURAL STEEL
SCALE: NONE

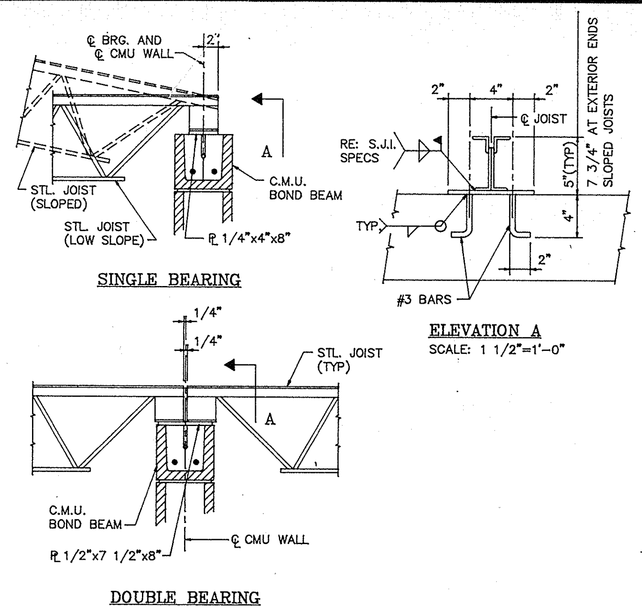
DESIGN DATA

DESIGNED IN ACCORDANCE WITH THE UNIFORM BUILDING CODE – 1985.

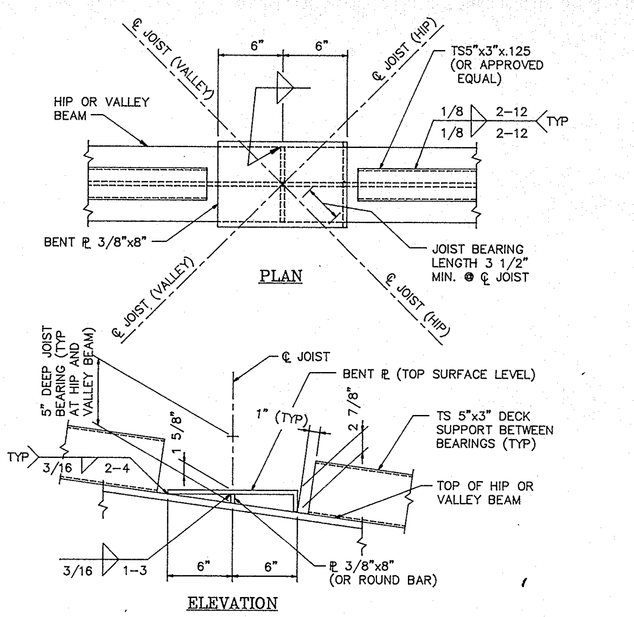
ROOF LOADS – SLOPED ROOF		ROOF LOADS – LOW SLOPE	
SHINGLES	3 PSF	BALLASTED MEMBRANE	11 PSF
3/4" PLYWOOD	3 PSF	INSULATION	2 PSF
INSULATION	2 PSF	1 1/2" STEEL ROOF DECK	2 PSF
1 1/2" STEEL ROOF DECK	2 PSF		
TOTAL DEAD LOAD ON DECK	10 PSF	TOTAL DEAD LOAD ON DECK	15 PSF
JOISTS	5 PSF	JOISTS	5 PSF
CEILING	2 PSF	CEILING	2 PSF
MECHANICAL/ELECTRICAL	3 PSF	MECHANICAL/ELECTRICAL	3 PSF
TOTAL DEAD LOAD ON JOISTS	20 PSF	TOTAL DEAD LOAD ON JOISTS	25 PSF
SNOW LOAD (BASIC)	30 PSF	SNOW LOAD (BASIC)	30 PSF
SNOW LOAD (UNBALANCED) (ONE SIDE HIP OR GABLE)	45 PSF	ADDITIONAL DRIFTED SNOW (AT VERTICAL DISCONTINUITY)	UP TO 60 PSF

FLOOR LOADS	
DEAD LOAD:	
6" PRECAST CONCRETE PLANK	45 PSF
2" CONCRETE TOPPING	24 PSF
TOTAL DEAD LOAD ON JOISTS	69 PSF
LIVE LOAD	
MEZZANINES	100 PSF
WIND LOAD	80 MPH
SEISMIC ZONE 1	

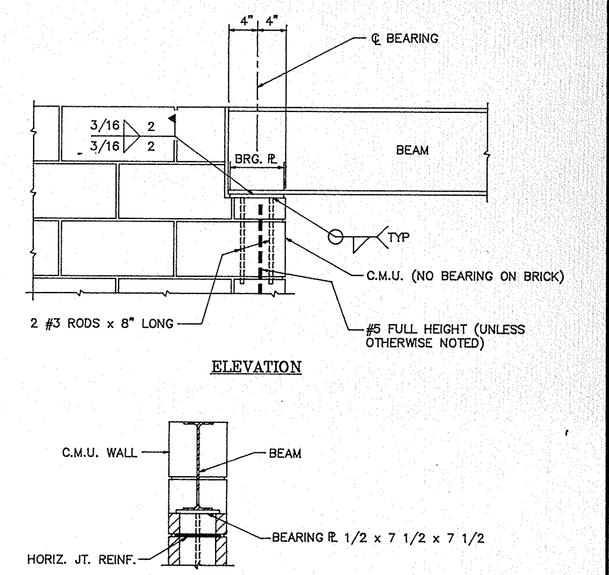
2-S6 DESIGN DATA
SCALE: NONE



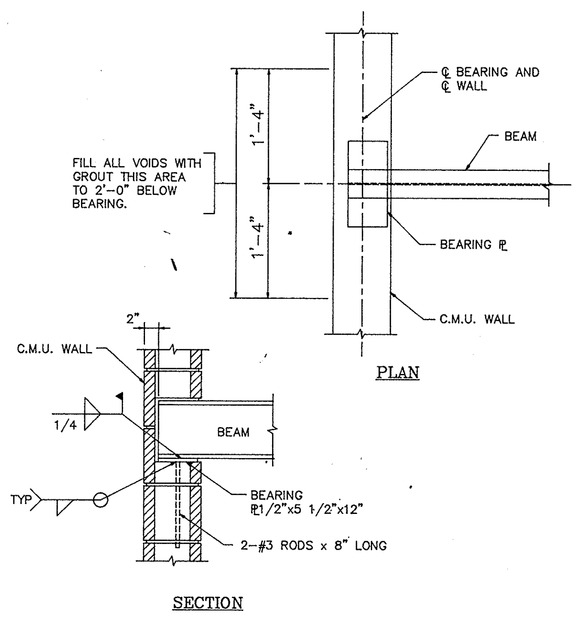
3-S6 JOIST BEARING ON MASONRY
SCALE: 1" = 1'–0"



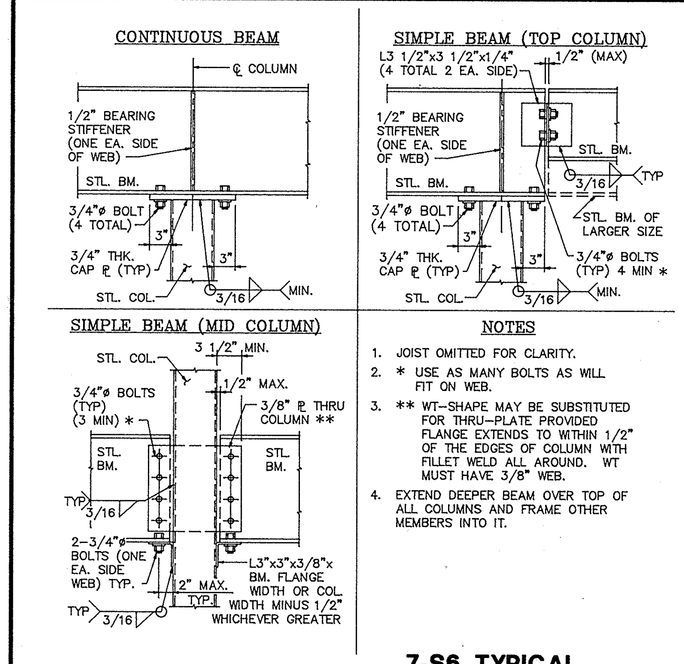
4-S6 JOIST BEARING ON HIP OR VALLEY BEAM
SCALE: 1 1/2" = 1'–0"



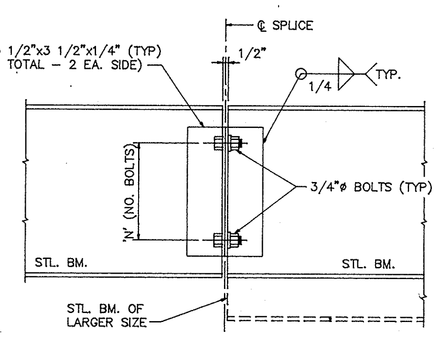
5-S6 BEAM BEARING ON MASONRY
SCALE: 1" = 1'–0"



6-S6 BEAM BEARING ON MASONRY
SCALE: 1" = 1'–0"

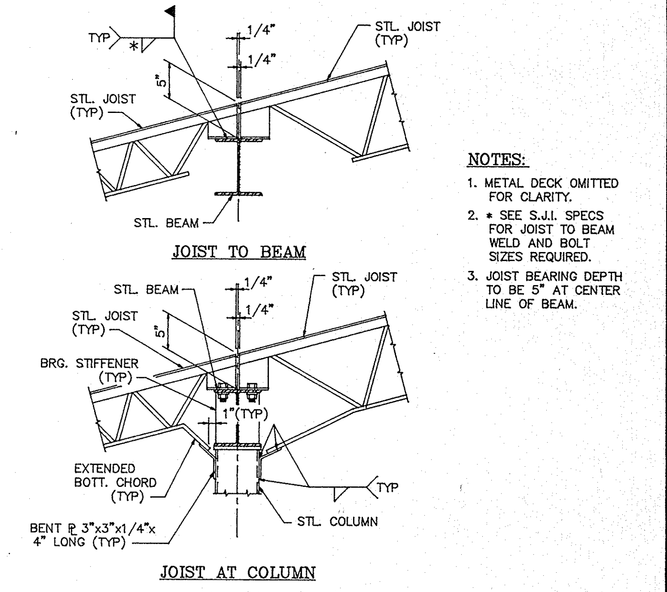


7-S6 TYPICAL BEAM CONNECTIONS
SCALE: NONE

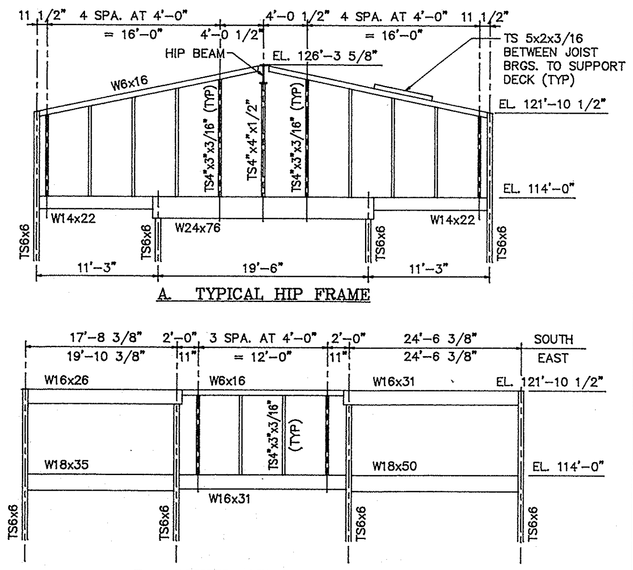


SPLICE TABLE		
DESIGNATION	'N' (NO. BOLTS)	FOR BEAM SIZES
SP1	2 (ONE EA. SIDE)	W6
SP2	4 (2 EA. SIDE)	W8 & W10
SP3	6 (3 EA. SIDE)	W12 & W14
SP4	8 (4 EA. SIDE)	W16
SP5	10 (5 EA. SIDE)	W18
SP6	12 (6 EA. SIDE)	W21
SP7	14 (7 EA. SIDE)	W24
SP8	16 (8 EA. SIDE)	W27

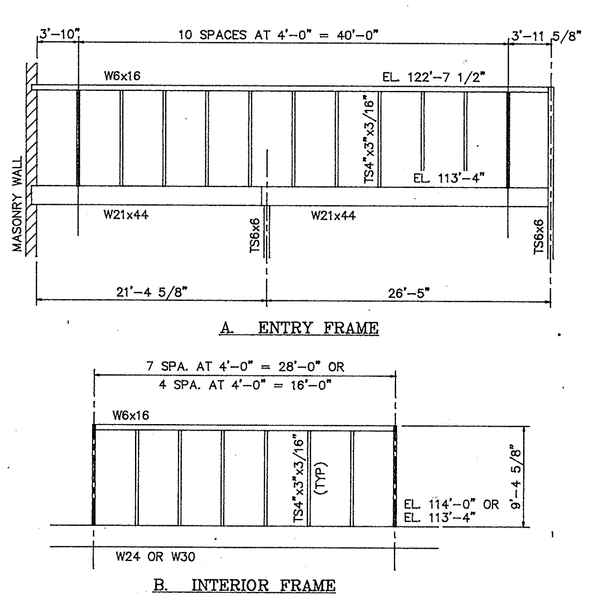
8-S6 TYPICAL BEAM SPLICE
SCALE: NONE



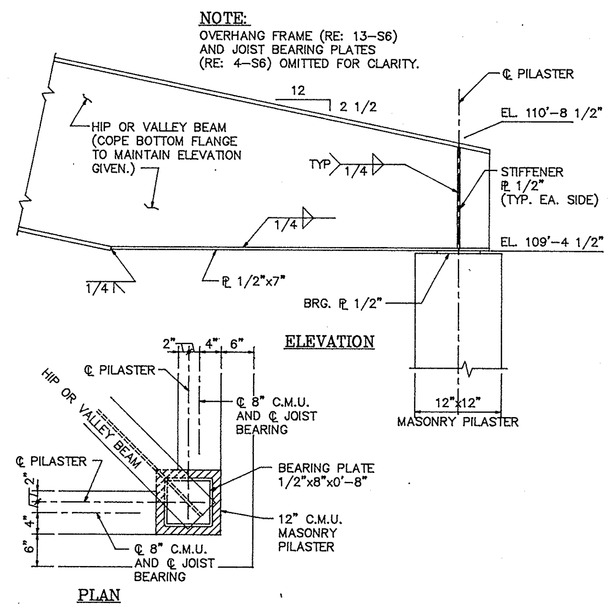
9-S6 JOIST BEARING ON STEEL
SCALE: NONE



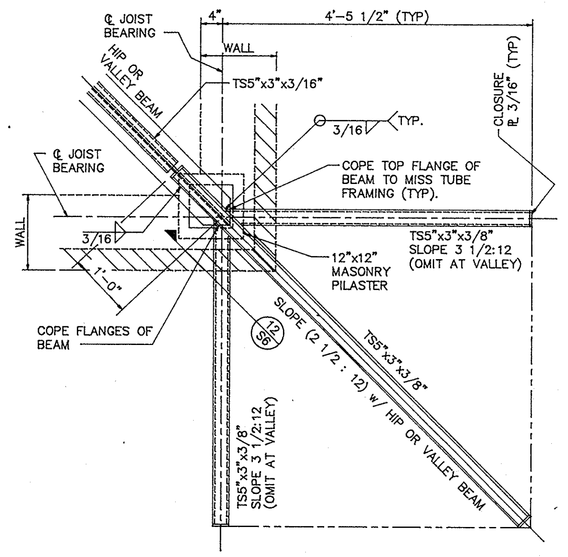
10-S6 CLERESTORY ELEVATIONS
SCALE: 1/8" = 1'–0"



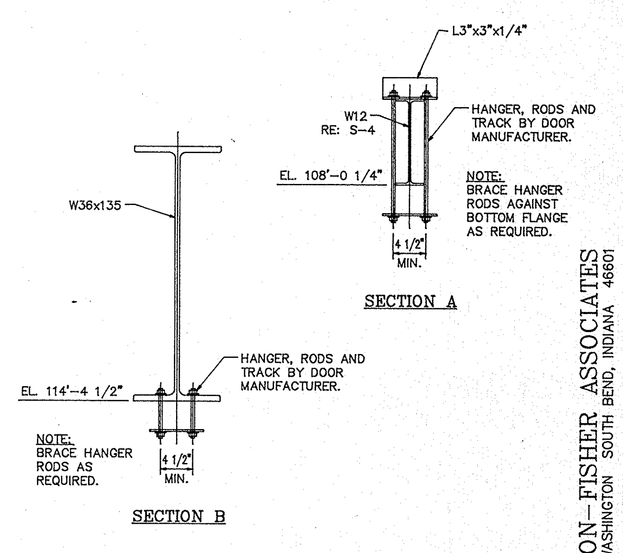
11-S6 CLERESTORY ELEVATIONS
SCALE: 1/8" = 1'–0"



12-S6 HIP OR VALLEY BEAM CONNECTION
SCALE: 3/4" = 1'–0"



13-S6 EXTERIOR CORNER FRAME
SCALE: 3/4" = 1'–0"



14-S6 OPERABLE WALL SUPPORT
SCALE: 1" = 1'–0"

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THE
HARRIS TOWNSHIP ELEMENTARY SCHOOL
FOR THE
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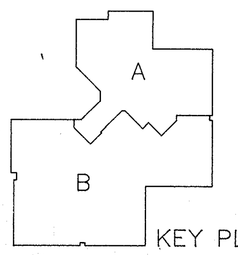
GRANGER, INDIANA



KEY PLAN

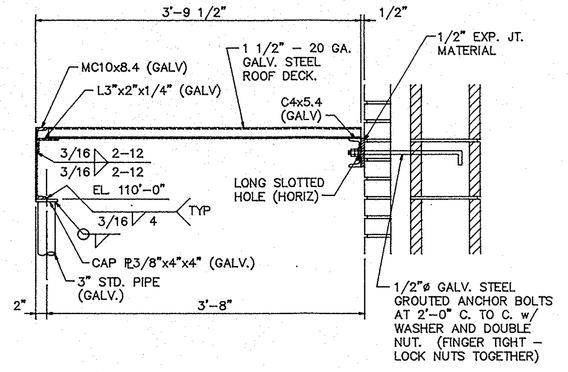
FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

STRUCTURAL FRAMING DETAILS

DRAWN BY: T.J.H. COMM. NO.: 8712.00
CHECKED BY: G.E.K. DATE: JAN. 11, 1988
REVISIONS NO. DATE

S-6

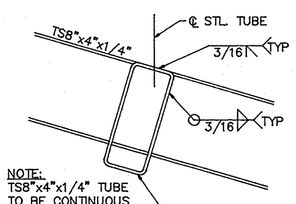
HARRIS TOWNSHIP ELEMENTARY SCHOOL



CONNECT DECK TO SUPPORTS ACCORDING TO SPECIFICATIONS

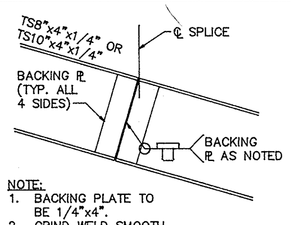
1-S7 CANOPY FRAMING DETAILS

SCALE: 1" = 1'-0"



NOTE:
TS8"x4"x1/4" TUBE TO BE CONTINUOUS THRU TS10"x4"x1/4" (CUT TS10"x4"x1/4")

DETAIL A

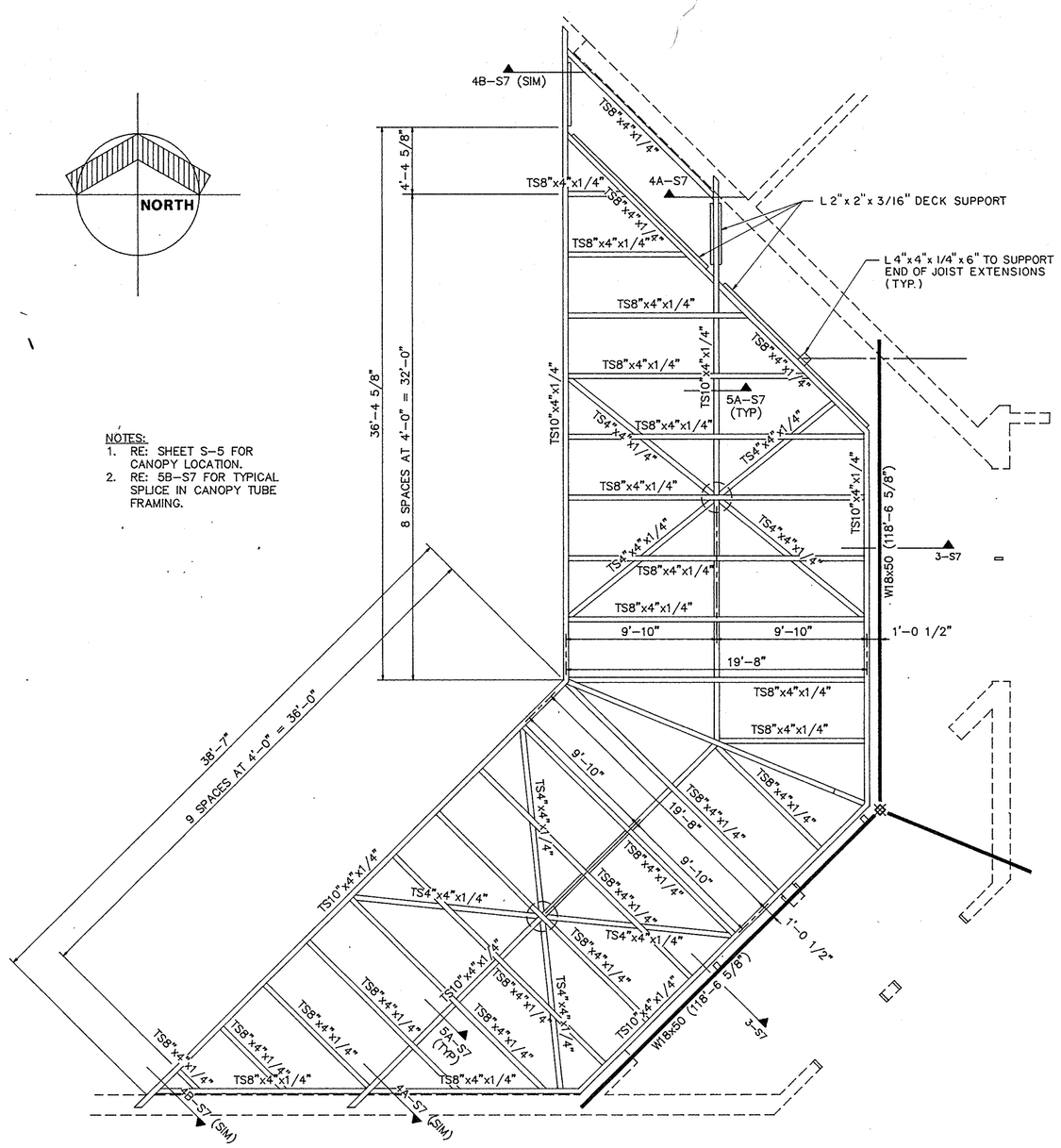


NOTE:
1. BACKING PLATE TO BE 1/4"x4".
2. GRIND WELD SMOOTH BEFORE PAINTING ASSEMBLY.

DETAIL B
TYPICAL SPLICE - CANOPY MEMBERS

5-S7 CANOPY FRAMING DETAILS

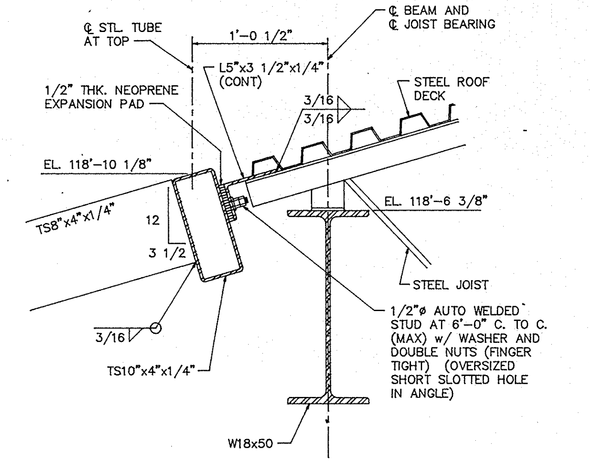
SCALE: 1 1/2" = 1'-0"



NOTES:
1. RE: SHEET S-5 FOR CANOPY LOCATION.
2. RE: 5B-S7 FOR TYPICAL SPLICE IN CANOPY TUBE FRAMING.

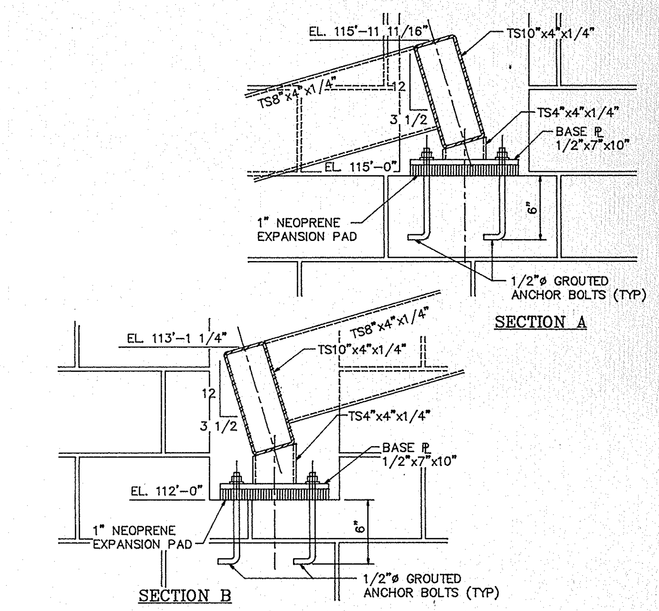
2-S7 ENLARGED CANOPY FRAMING PLAN

SCALE: 3/16" = 1'-0"



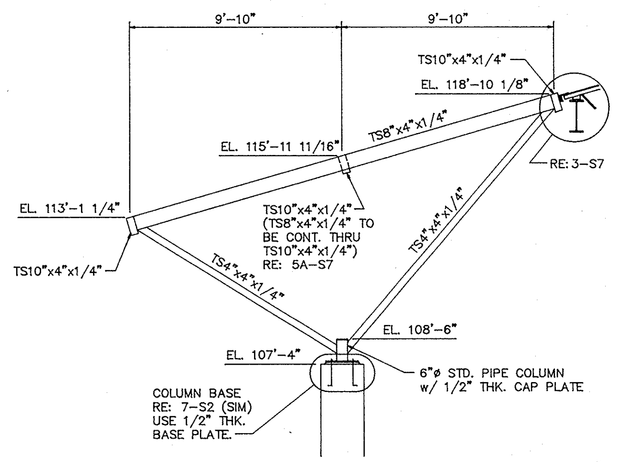
3-S7 CANOPY SUPPORT FRAMING

SCALE: 1 1/2" = 1'-0"



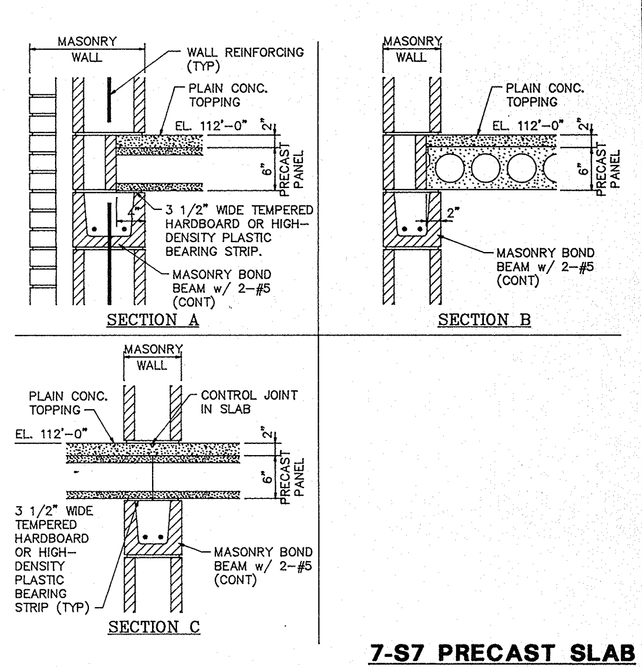
4-S7 CANOPY SUPPORT BEARING

SCALE: 1 1/2" = 1'-0"



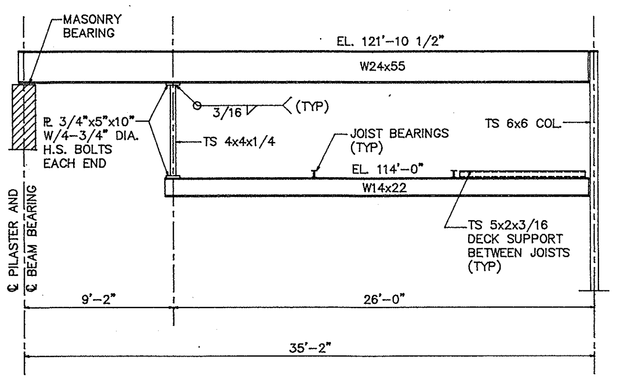
6-S7 TYPICAL CANOPY SECTION

SCALE: 1/4" = 1'-0"



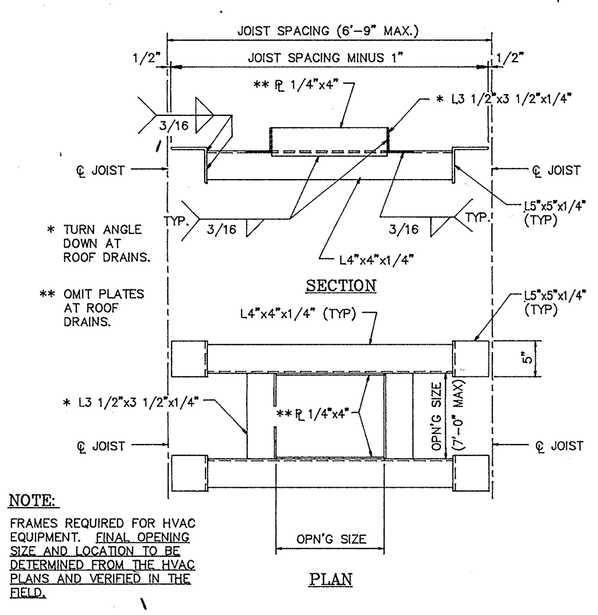
7-S7 PRECAST SLAB DETAILS

SCALE: 1" = 1'-0"



8-S7 BEAM ELEVATION WEST OF GYMNASIUM

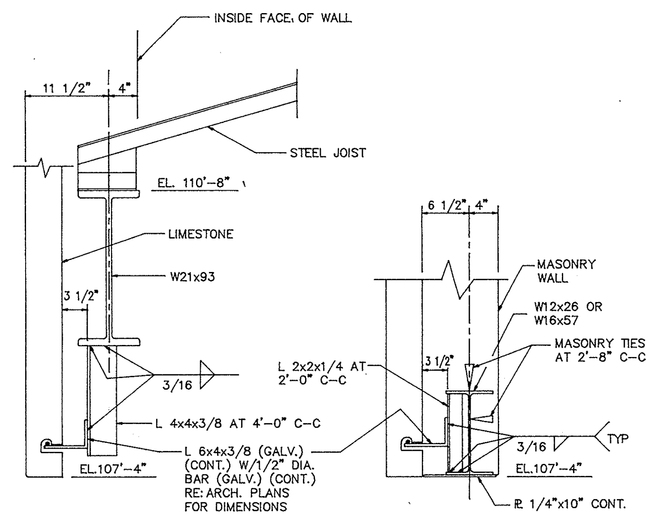
SCALE: 3/16"=1'-0"



NOTE:
FRAMES REQUIRED FOR HVAC EQUIPMENT. FINAL OPENING SIZE AND LOCATION TO BE DETERMINED FROM THE HVAC PLANS AND VERIFIED IN THE FIELD.

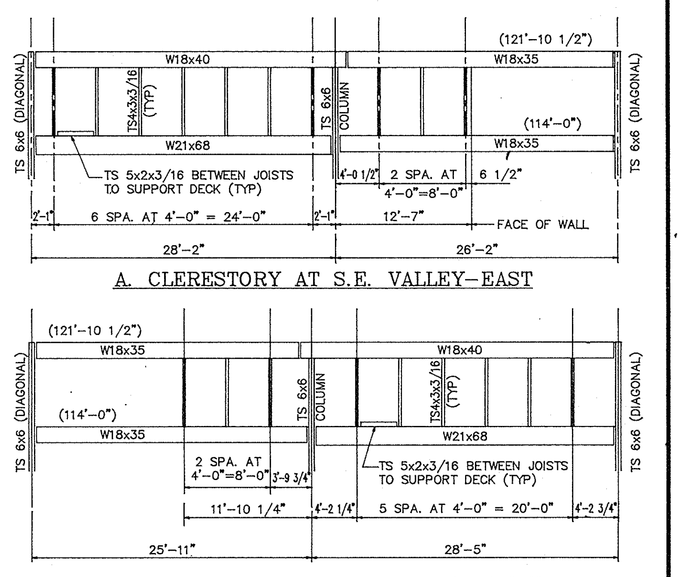
9-S7 ROOF OPENING FRAME

SCALE: NONE



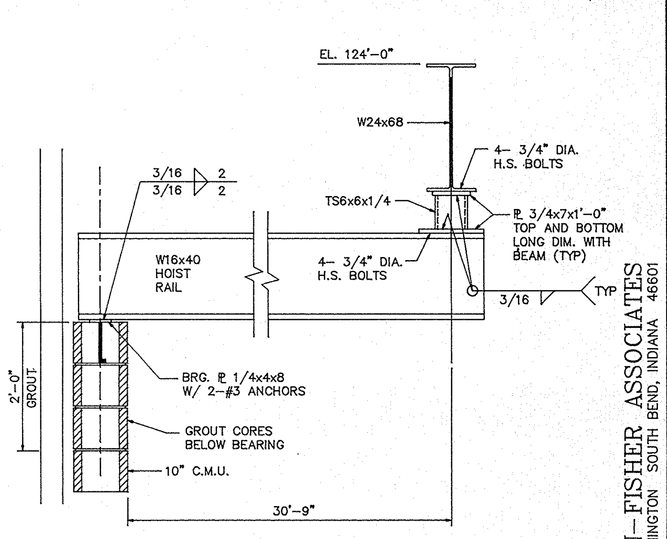
10-S7 LINTELS

SCALE: 1"=1'-0"



11-S7 CLERESTORY ELEVATIONS

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



12-S7 HOIST RAIL

SCALE: 3/4"=1'-0"

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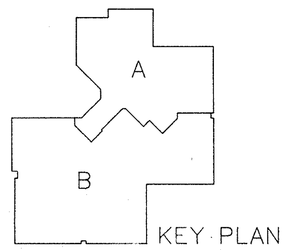


KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

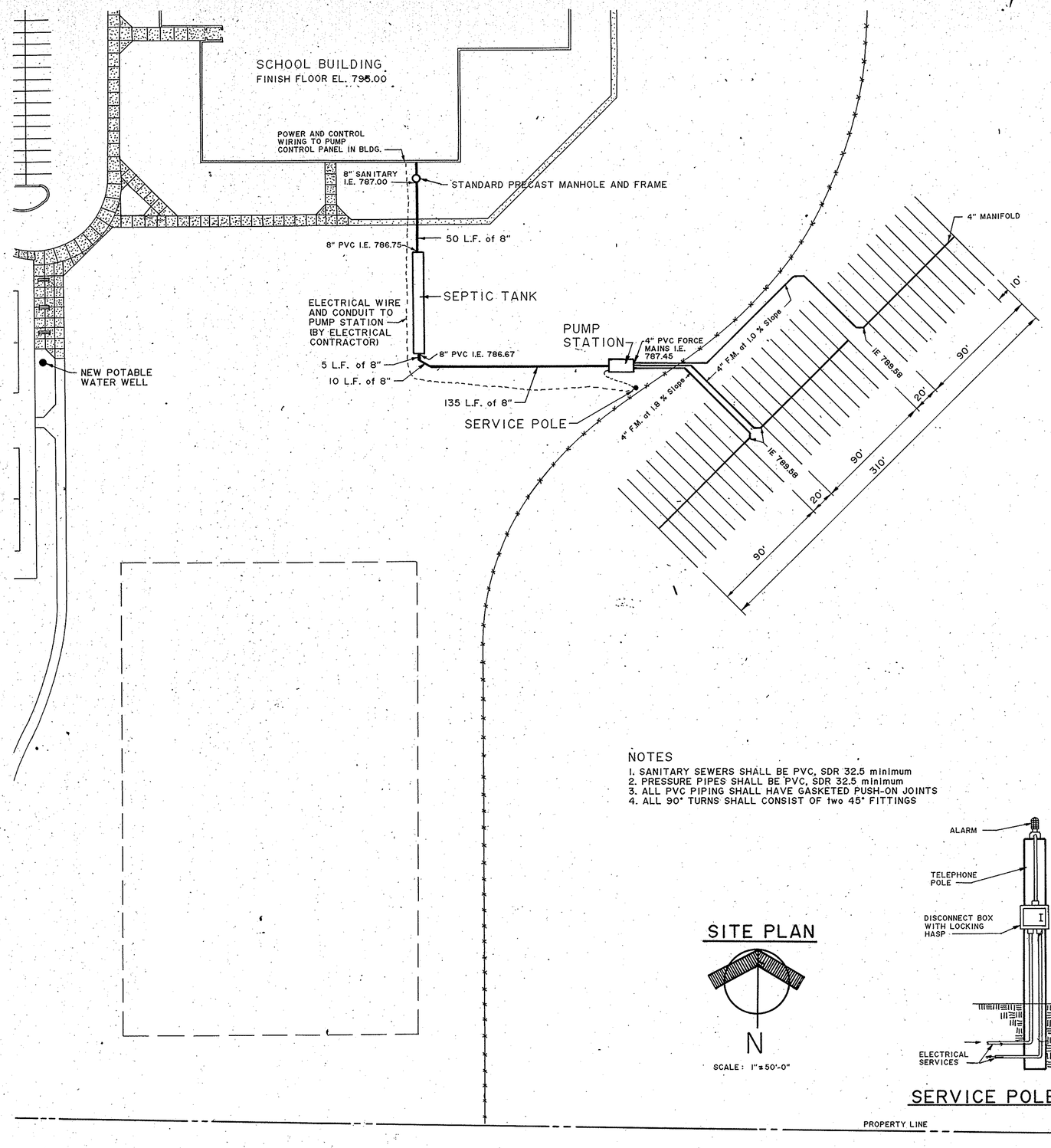
STRUCTURAL FRAMING DETAILS

DRAWN BY: TJH, DAO COMM. NO.: 8712.00
CHECKED BY: G.E.K. DATE: JAN. 11, 1988

REVISIONS NO. DATE

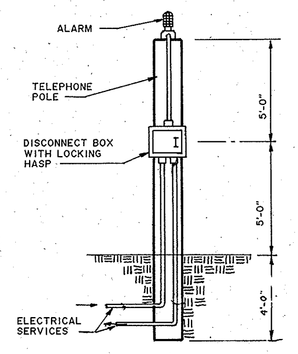
S-7

HARRIS TOWNSHIP ELEMENTARY SCHOOL



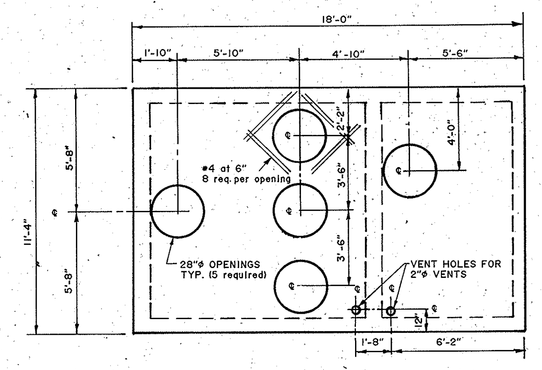
SITE PLAN

SCALE: 1"=50'-0"



SERVICE POLE DETAIL

NOTES
1. SANITARY SEWERS SHALL BE PVC, SDR 32.5 minimum
2. PRESSURE PIPES SHALL BE PVC, SDR 32.5 minimum
3. ALL PVC PIPING SHALL HAVE GASKETED PUSH-ON JOINTS
4. ALL 90° TURNS SHALL CONSIST OF two 45° FITTINGS



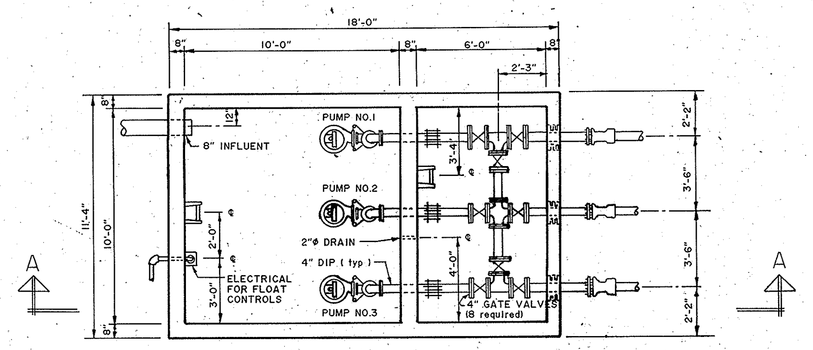
PUMP STATION - TOP SLAB PLAN

1/4" = 1'-0"

NOTES

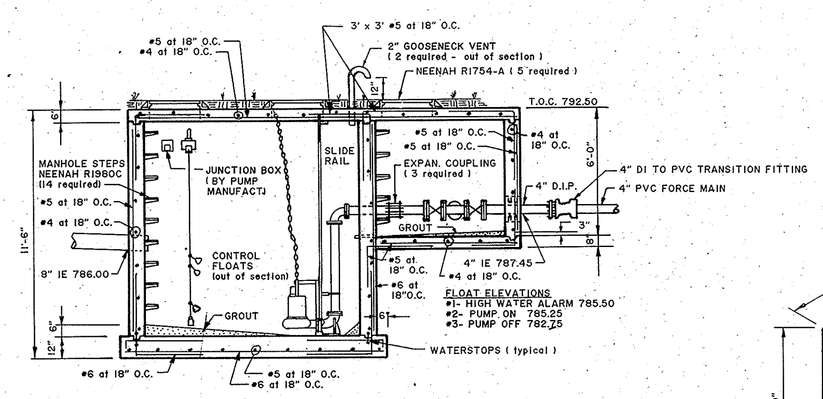
SUBMERSIBLE PUMP
QUANTITY - 3
CAPACITY - 330 gpm at 30 Total head in feet
HORSEPOWER - 5
MOTOR - 460 volt, three phase, 1750 rpm
IMPELLER - 7.0"ø
MAKE- Peabody Barnes Inc.
MODEL - 4SEH304
AMPERAGE - at 460 volts : Max run amps 9.1
Locked rotor amps 28.0

CONDUIT - The electrical conduit from the school pump control panel to the pump station shall consist of the following:
3 legs per pump for 460 V
3 pairs of 120 V for float controls
3 pairs of 120 V for moisture sensors
3 pairs of 120 V for thermo sensors
1 pair of 120 V for alarm



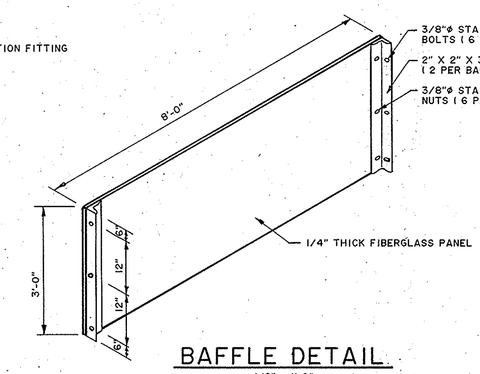
PUMP STATION - PLAN VIEW

1/4" = 1'-0"



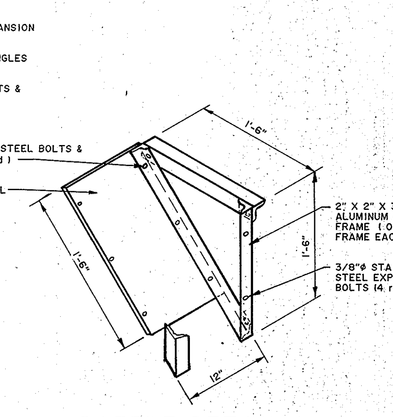
PUMP STATION - SECTION A-A

1/4" = 1'-0"



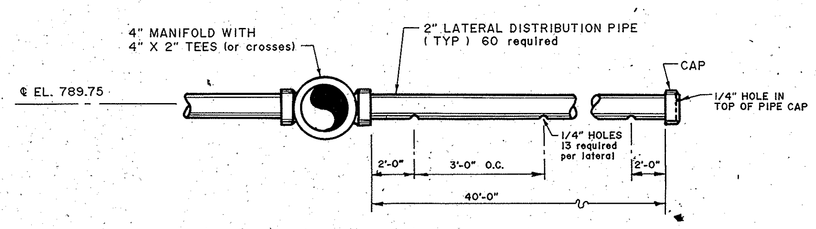
BAFFLE DETAIL

1/2" = 1'-0"

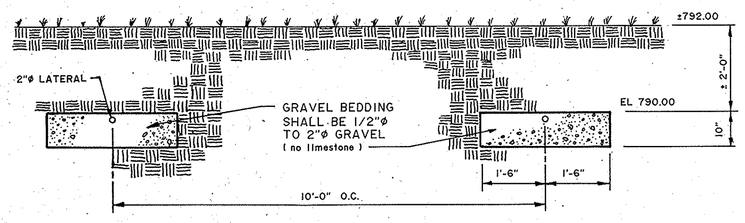


GAS BAFFLE DETAIL

1" = 1'-0"

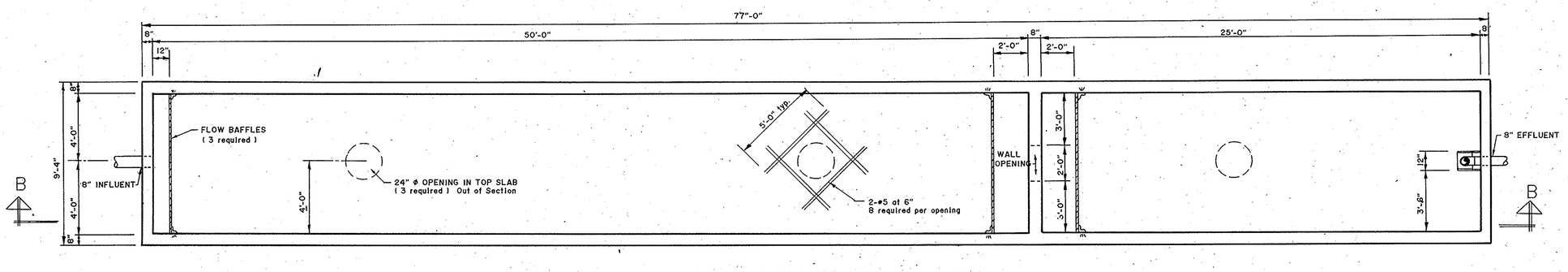


DISTRIBUTION LATERAL DETAIL (n.t.s.)



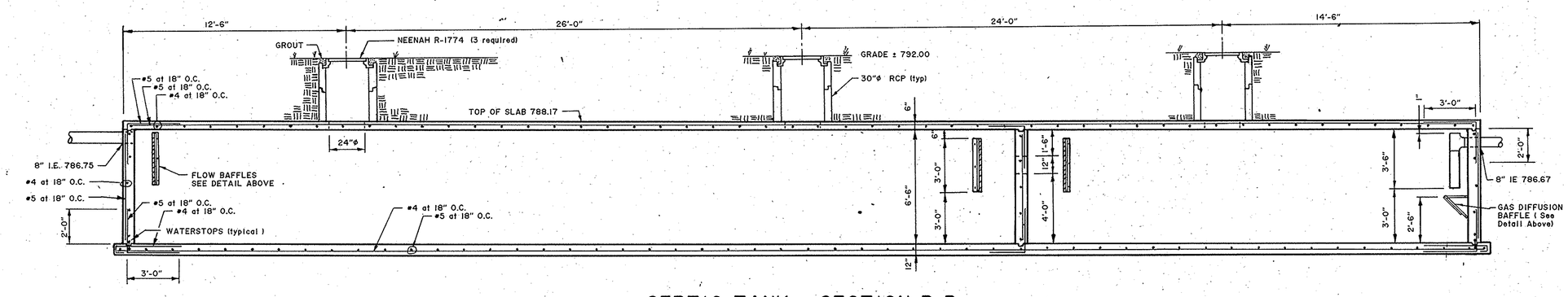
DISTRIBUTION LATERAL TRENCH DETAIL

1/2" = 1'-0"



SEPTIC TANK - PLAN VIEW

1/4" = 1'-0"



SEPTIC TANK - SECTION B-B

1/4" = 1'-0"

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

JAMES K. PERKINS 7-1-82 No. L0083 STATE OF INDIANA LANDSCAPE ARCHITECT

LEE BROCKWAY REGISTERED No. 6656 STATE OF INDIANA ARCHITECT

SITE DISPOSAL TREATMENT FACILITIES

DRAWN BY:
CHECKED BY:
COMM. NO.: 8712.00
DATE: , 1987

REVISIONS NO. DATE

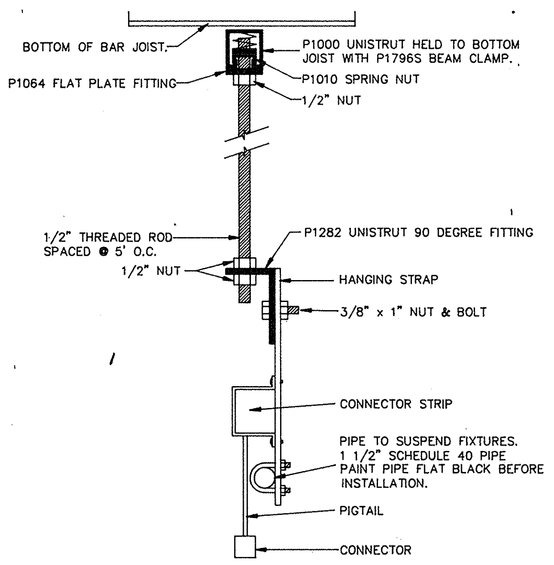
SU-1

ELECTRICAL SYMBOL LEGEND

- CONDUIT CONCEALED ABOVE CEILING OR IN WALL WHEREVER POSSIBLE.
- CONDUIT CONCEALED IN OR BELOW FLOOR.
- CONDUIT EXPOSED ON CEILING, WALL OR BAR JOIST FOR EXPOSED TYPE BUILDING CONSTRUCTION.
- INDICATES NUMBER OF CONDUCTORS IN CONDUIT TO BE USED AS A GENERAL GUIDE TO SHOW INTENT OF CIRCUITING AND SWITCHING ARRANGEMENT... NOT SHOWN IN ALL CASES... CONTRACTOR SHALL VERIFY AND INSTALL ADDITIONAL CONDUCTOR WHERE REQUIRED.
- A-1 HOME-RUN TO PANELBOARD SHOWING CIRCUIT DESIGNATION. INDICATING PANEL AND CIRCUIT BREAKER NUMBER WITHIN THE PANEL.
- HUBBELL IG5362 ISOLATED DUPLEX GROUND RECEPTACLE.
- C.R.T. TWO GANG BLANK BOX. NO COVER PLATE.
- CTC COMPUTER TERMINAL CABINET. 24"x24"x6"-HC W/ 3/4" ACX PLYWOOD.
- WC 120V-20A WATER COOLER OUTLET. DIV. 16 SHALL VERIFY EXACT LOCATION OF WATER COOLER OUTLET WITH MANUF.'S DWGS.
- 120V-20A GROUNDED DUPLEX CONVENIENCE OUTLET. +18" A.F.F.
- 120V-20A GROUNDED DUPLEX CONVENIENCE OUTLET, MOUNTED +48" A.F.F.
- SPECIAL PURPOSE OUTLET (AS NOTED ON PLAN OR SPECIFICATIONS).
- 120V-20A GROUNDED DUPLEXCONVENIENCE FLOOR OUTLET.
- 120V-20A GROUNDED DUPLEX CONVENIENCE OUTLET, MTD HORIZONTALLY AT +43" A.F.F.
- GFI OR IG 120V-20A GROUNDED DUPLEX CONVENIENCE OUTLET WITH G.F.I. PROTECTION.
- 120V-20A GROUNDED DOUBLE DUPLEX CONVENIENCE OUTLET.
- 120V-20A GROUNDED DOUBLE DUPLEX CONVENIENCE OUTLET, MOUNTED @ +48" A.F.F.
- WP 120V-20A GROUNDED DUPLEX CONVENIENCE OUTLET WITH WP COVER PLATE.
- R 120V-20A GROUNDED DUPLEX CONVENIENCE CEILING OUTLET.
- 120V-20A GROUNDED DUPLEX CONVENIENCE OUTLET WITH FLEXIBLE CONNECTION TO EQUIPMENT.
- PLUG-IN STRIP. LENGTH PER DRAWING, SEE DETAIL THIS SHEET.
- INDICATING CLOCK OUTLET. "DF" DOUBLE FACE CLOCK.
- PROGRAMMABLE BELL.
- C.P.U. CENTRAL PROCESSING UNIT. SEE SPECS.
- TPR TRANSPONDER REMOTE CONTROL UNIT. SEE SPECS.
- F.A.P. FIRE ALARM PANEL. SEE SPECS FOR DETAILS.
- F.A.A. FIRE ALARM ANNUNCIATOR.
- F FIRE ALARM BREAK GLASS STATION.
- FIRE ALARM HORN/STROBE.
- F FIRE ALARM HORN/STROBE AND GLASS STATION.
- F_S OR F_D DUCT MOUNTED SMOKE DETECTOR. COORDINATE W/DIV. 15. DETECTORS SHALL BE MOUNTED IN RETURN & SUPPLY DUCTS OF EACH AIR HANDLER UNIT UNLESS NOTED OTHERWISE.
- F_S SMOKE DETECTOR.
- F_T HEAT DETECTOR.
- CS CENTRAL SOUND SYSTEM & TERMINAL CABINET. SEE SPECS FOR DETAILS.
- CAS MULTI-PURPOSE ROOM SOUND SYSTEM... SEE SPECS FOR DETAILS.
- M FLUSH MOUNTED MICROPHONE OUTLET.
- A AUXILIARY OUTLET.
- S FLUSH CEILING SPEAKER W/CEILING BAFFLE AND PROTECTIVE SPEAKER ENCLOSURE.
- S HORN TYPE WALL MOUNTED SPEAKER WITH MOUNTING BRACKET.
- CALL-IN SWITCH FOR CENTRAL SOUND SYSTEM. SEE SPECS FOR DETAILS.
- VC CALL-IN SWITCH WITH VOLUME CONTROL FOR CENTRAL SOUND SYSTEM.
- HC CUE INTERCOM OUTLET. SEE SPECS FOR DETAILS.
- ADMINISTRATIVE PHONE. REFER TO SPEC SECTION 16770.
- T.T.C. TERMINAL TELEPHONE CABINET, W/PLYWOOD INTERIOR AND 120V DUPLEX CONVENIENCE OUTLET INSIDE.
- TELEPHONE FLOOR BOX - RUN 3/4"CONDUIT TO TELEPHONE CABINET.
- TELEPHONE BLANK BOX, NO COVER PLATE - RUN 3/4" CONDUIT TO TELEPHONE CABINET.
- TVC TELEPHONE AND VIDEO CONTROLS. UNDER SPEC SECT. 13100.
- W DATA/VOICE/VIDEO OUTLET. UNDER SPEC SECT. 13100.
- VO VIDEO OUTLET. UNDER SPEC SECT. 13100.
- MATV OR CATV T.V. HEAD-END EQUIPMENT. SEE SPECS FOR DESCRIPTION.
- TV TELEVISION ANTENNA OUTLET.
- CAM T.V. CAMERA INPUT/AUDIO CAMERA INPUT.
- INCANDESCENT OR HID LIGHTING FIXTURE - LOWER CASE LETTER INDICATES SWITCHING OR CIRCUITING ARRANGEMENT.
- FLUORESCENT LIGHTING FIXTURE.
- (NL) FLUORESCENT LIGHTING FIXTURE CONNECTED TO EMERGENCY BATTERY PACK OR TO EMERGENCY PANELBOARD. "NL" INDICATES NIGHT LIGHT FIXTURES.
- EXIT LIGHTING FIXTURE.
- EMERGENCY BATTERY PACK FIXTURE.
- $ GENERAL PURPOSE 1-POLE SWITCH. +48" A.F.F.
- $_3$ GENERAL PURPOSE 3-WAY SWITCH. +48" A.F.F.
- $_4$ GENERAL PURPOSE 4-WAY SWITCH. +48" A.F.F.
- $_K$ GENERAL PURPOSE KEY-OPERATED SWITCH. +48" A.F.F.
- $_{FP}$ FRACTIONAL HORSEPOWER FLUSH MANUAL STARTER W/PILOT LAMP, ASSEMBLY. +48" A.F.F.
- $_P$ GENERAL PURPOSE 1-POLE SWITCH W/PILOT LIGHT. +48" A.F.F.
- $_{MC}$ MAINTAIN CONTACT SWITCH.
- $_F$ MANUAL, FUSIBLE, STARTING SWITCH. SCHEDULE "B" SECT. 16155, TYPE "BC-1" OR "BC-2".
- CL-1, -2, etc. LIGHTING CONTACTOR. SEE SPEC SECT. 16155.
- D WALL DIMMER SWITCH. +48" A.F.F. (2000 WATT RATING UNLESS OTHERWISE NOTED.)
- $_{ST}$ SPRING WANG TIMER SWITCH (0-6). USE MARKTIME OR PARAGON.
- $_{ST-2}$ MANUAL STARTING SWITCH WITH THERMAL OVERLOAD PROTECTION. SCHEDULE "B" SECT. 16155, TYPE "ST-2".
- T TRANSFORMER.
- PE PNEUMATIC-ELECTRIC SWITCH.
- T THERMOSTAT
- ELECTRIC PANELBOARDS.
- $_A$ AQUASTAT CONNECTION.
- $_{SV}$ SUPERVISORY VALVE CONNECTION.
- $_{FS}$ FLOW SWITCH CONNECTION.
- M ELECTRIC MOTOR CONNECTION.
- MAGNETIC STARTER. SEE SPECS FOR DETAILS.
- $_{MS}$ MAGNETIC STARTER WITH HOA, 120V, 1hp. SQ.D #8536-SBG-1.
- $_J$ COMBINATION MAGNETIC STARTER W/DISCONNECT SWITCH. SEE SPECS FOR DETAILS.
- $_R$ FUSIBLE DISCONNECT SWITCH. "R" INDICATES AMPERE RATING. SEE SPEC SECT. 16155.
- $_S$ MAGNETIC DOOR SWITCH DETECTOR. SEE SPECS.
- $_W$ WINDOW DETECTOR. SEE SPECS.
- MD MOTION DETECTOR ROUGH-IN. PROVIDE J-BOX W/ BLANK PLATE & CONDUIT STUBBED-UP ABOVE CEILING. MTG. 1' BELOW CEILING.
- JUNCTION BOX W/FLEXIBLE CONNECTION TO EQUIPMENT.
- J JUNCTION BOX.
- OR PUSH BUTTON STATION.
- CIRCUIT BREAKER.
- FUSED DISCONNECT.
- MD CEILING MOUNTED MOTION DETECTOR TO CONTROL LIGHTS IN SAME ROOM.

ELECTRICAL ABBREVIATIONS

+N	INDICATES MOUNTING HEIGHT (N) TO BOTTOM OF DEVICE FROM FINISH FLOOR UNLESS OTHERWISE NOTED
HP	HORSEPOWER
KW	KILOWATTS
W	WATTS
CIRC	CIRCUIT
BKR	BREAKER
SW	SWITCH
EXP	INDICATES EXPLOSION PROOF TYPE DEVICE
WP	INDICATES WEATHERPROOF TYPE DEVICE
EM	EMERGENCY
NL	NIGHTLIGHT
C	CONDUIT
G	GROUND
JB	JUNCTION BOX
GRC	GALVANIZED RIGID CONDUIT
P.C.V.	POLY VINYL CHLORIDE
F	FUSE
TYP	TYPICAL IN ROOM AREA UNLESS OTHERWISE NOTED
CPT	CONTROL POWER TRANSFORMER
TV	TELEVISION
A.F.	ABOVE FINISH FLOOR
A.F.F.	ABOVE FINISH FLOOR
A.F.G.	ABOVE FINISH GRADE
U.O.N.	UNLESS OTHERWISE NOTED
FIXT.	LIGHT FIXTURE
EF	EXHAUST FAN
VAV	VARIABLE AIR VOLUME
CH	CABINET HEATER
PH	PROP HEATER
AHU	AIR HANDLER UNIT
UV	UNIT VENTILATOR
HTP	HEAT PUMP
EMT	ELECTRICAL METALLIC TUBING
CL	LIGHTING CONTACTOR
FS	FUSIBLE SWITCH
NFS	NONFUSIBLE SWITCH
F.A.P.	FIRE ALARM PANEL
FC	FAN COIL UNIT
CMF	COMBINATION MOTOR FUSIBLE STARTER
PE	PNEUMATIC/ELECTRIC
AC	AIR CONDITIONING
E.C.	ELECTRICAL CONTRACTOR
TCP	TEMPERATURE CONTROL PANEL
GFI	GROUND FAULT INTERUPTING PROTECTION
WC	WATER COOLER
FAA	FIRE ALARM ANNUNCIATOR
TPR	TRANSPONDER
CPU	CENTRAL PROCESSING UNIT
MATV	MASTER ANTENNA TV
CATB	CABLE TV
VC	VOLUME CONTROL
N.T.S.	NOT TO SCALE
1/E-1	MEANS: DETAIL #1, DRAWING SHEET "E-1".



10 E-1 STAGE LIGHT MOUNTING DETAIL
NO SCALE

GENERAL NOTES

1 ALL 2' X 4'FLUORESCENT LIGHT FIXTURES SHOWN ON LIGHTING PLANS SHALL BE STATIC TYPE "F-3", ALL 1'x4' SHALL BE TYPE "F-1", AND ALL 2'x2' SHALL BE TYPE "F-22" UNLESS NOTED OTHERWISE. FINAL CONNECTIONS TO ALL LAY-IN FIXTURES AND RECESSED INCANDESCENT FIXTURES IN LAY-IN CEILINGS ARE TO BE MADE WITH GREENFIELD FLEXIBLE CONDUIT.

2 E.C. SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURE LAY-OUT. CONTRACTORS TO CORRELATE LOCATIONS OF LIGHTING, SPEAKERS, AIR DIFFUSERS, GRILLES, AND THE LIKE, WITH REFLECTED CEILING LAY-OUTS AS REQUIRED AND DIRECTED BY THE ARCHITECT.

3 E.C. SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND/OR ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LIGHT FIXTURE REQUIRED FOR THE CEILING CONSTRUCTION PRIOR TO ORDERING THE FIXTURES AND SHALL PROVIDE FIXTURES THAT ARE COMPATIBLE WITH THE CEILING SYSTEM.

4 ALL LAY-IN TYPE FIXTURES SHALL BE PROVIDED WITH SEISMIC CLIPS AND SAFETY CHAINS SUPPORTED FROM STRUCTURE OF THE BUILDING.

5 CONDUIT AND WIRE SIZE FOR EXIT LIGHT AND SECURITY LIGHT CIRCUITS ARE NOT SHOWN ON THE DRAWINGS. THE MINIMUM SIZE FOR THESE CIRCUITS SHALL BE #10AWG.

6 ALL EMERGENCY SYSTEM WIRING SHALL BE IN SEPARATE RACEWAY IN ACCORDANCE WITH ARTICLE 700 OF N.E.C.

7 ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL/ELECTRICAL BONDS OF THE METALIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED.

8 E.C. SHALL REFER TO MECHANICAL PLANS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT AND LOCATE DISCONNECT SWITCHES IN ACCORDANCE WITH THE N.E.C.

9 E.C. SHALL REFER TO DIV. 15 SPECIFICATIONS, HVAC PLANS AND PLUMBING PLANS FOR ADDITIONAL ELECTRICAL WORK AND REQUIREMENTS.

10 WHERE A FLOOR COVERING OR FINAL FLOOR FINISH IS OTHER THAN CARPET OR VINYL TILE, CONDUITS SHALL NOT BE RUN WITHIN CONCRETE SLABS. 1" OF CONCRETE OVER THE TOP OF CONDUITS IN SLABS MUST BE MAINTAINED. REFER TO THE SPECIFICATIONS. (1-1/2" OVER IS PREFERRED.)

11 UNLESS OTHERWISE DENOTED, ALL DEVICE ELEVATIONS REFER TO BOTTOM OF OUTLET BOX. (SEE SPECIFICATIONS.) ELECTRICAL CONTRACTOR SHALL VERIFY ALL OUTLET LOCATIONS WITH OTHER TRADES.

12 ALL RECEPTACLES SHOWN BACK-TO-BACK IN WALLS SHALL BE SEPARATED BY 8" MINIMUM.

13 PROVIDE "SEAL-OFFS" WHEN PIPING PASSES THROUGH AREAS OF DIFFERENT AMBIENT TEMPERATURES AND/OR HAZARDOUS AREAS.

14 ALL WIRING FOR FIRE ALARM SYSTEM TO BE IN ACCORD WITH APPROVED MANUFACTURER'S SHOP DRAWINGS. RUN #14 GROUND WIRE TO ALL OUTLETS. IF NOT NOTED ON PLANS OR SPECIFICATIONS CONTACT MANUFACTURER FOR WIRING REQUIREMENTS BEFORE BIDDING.

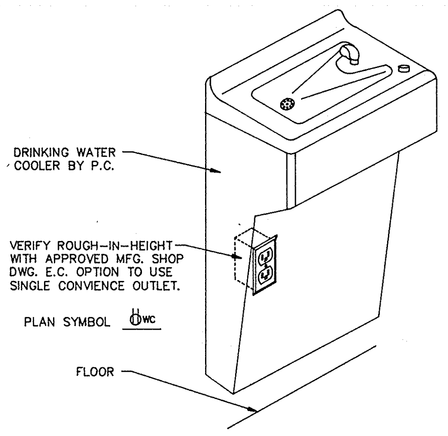
15 FURNISH AND INSTALL SIX (6)-20 AMP CIRCUITS WITH RECEPTACLES, CONDUIT, WIRE, PLATES, BOXES AND BREAKERS CONNECTED WITH 3#10, 1#12 GROUND IN 1" CONDUIT LOCATED WITHIN 120 CIRCUIT FEET OF NEAREST 208/120 PANELBOARD. INCLUDE ALL NECESSARY CUTTING AND PATCHING. LOCATIONS OF OUTLETS SHALL BE WHEN, WHERE AND AS DIRECTED BY THE ARCHITECT/ENGINEER.

16 WIRE COMPLETE, WHERE DIRECTED BY ARCHITECT/ENGINEER, TWENTY ADDITIONAL TEMPEATURE CONTROL DEVICES WITH 3#12 IN 3/4"C - 30 FEET (AVERAGE) EACH CIRCUIT.

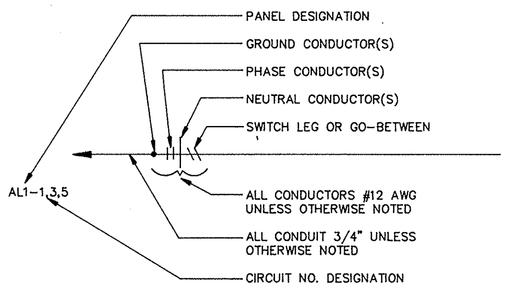
17 LIGHT FIXTURE TYPE IS SHOWN ONLY ONCE, AS TYPICAL IN EVERY ROOM. PROVIDE SAME TYPE OF FIXTURE IN SAME ROOM UNLESS OTHERWISE NOTED.

18 IF MORE THAN THREE DIFFERENT PHASE CONDUCTORS ARE RUN IN THE SAME CONDUIT DERATING SHALL BE TAKEN INTO ACCOUNT, INCREASING THE CONDUCTOR AMPACITY (BY INCREASING WIRE SIZE) TO COMPENSATE FOR THIS AS FOLLOWS:

NO. OF CONDUCTORS	AMPACITY INCREASE
4 THRU 6	125%
7 THRU 9 (MAX.)	145%

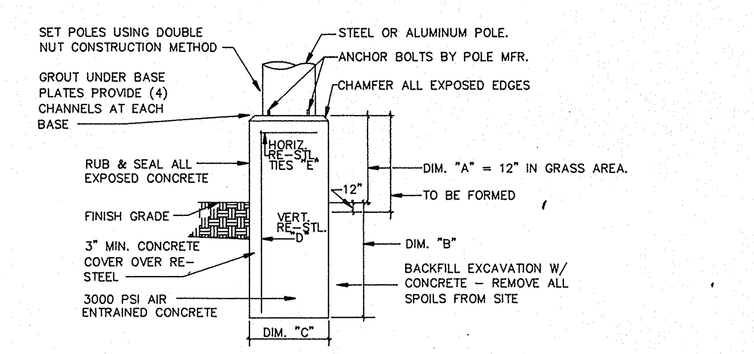


8 E-1 TYPICAL "WC" WIRING
NO SCALE



NOTES:
1. #12 AWG IS MIN. CONDUCTOR SIZE, EXCEPT AS NOTED.
2. 3/4" CONDUIT IS MIN. SIZE, EXCEPT AS CAPACITY PERMITTING 24 VOLT CONTROL CONDUCTORS AND SWITCHLEGS MAY BE IN 1/2" SIZE, OTHERS AS NOTED.
3. 1/2" IS MIN. FLEXSTEEL, GREENFIELD, AND SEALITE SIZE.
4. E.C. SHALL RUN A MAXIMUM OF 3 PHASE CONDUCTORS (A,B,C,) IN A CONDUIT UNLESS OTHERWISE NOTED.

9 E-1 KEY "O ELECTRICAL CIRCUIT WIRING
NO SCALE

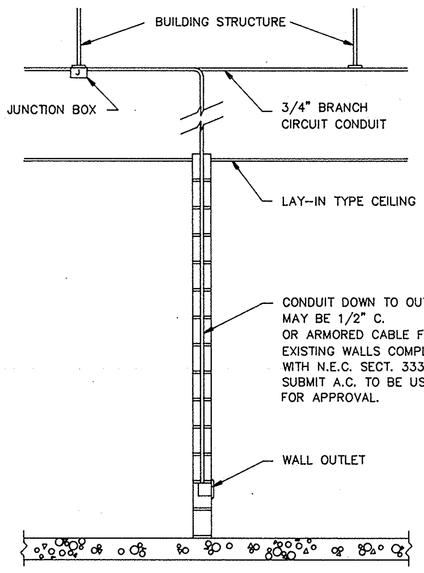


DIM. "A"	30"
DIM. "B"	7'-0"
DIM. "C"	36" SQUARE
VERTICAL STELL "D"	8 EA. #7 DIA.
HORIZONTAL STEEL "E"	#4 AT 15" C/C

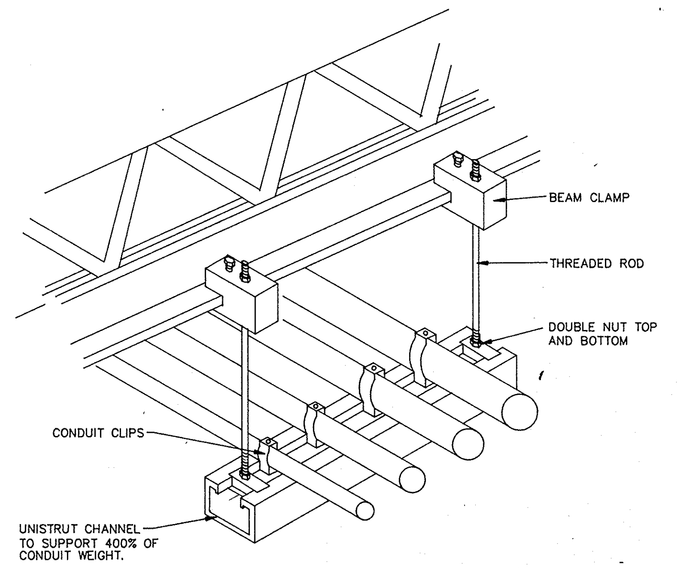
NOTE: PROVIDE 3/4 x 10 COPPERWELD GROUND ROD AT EACH POLE (TOP AT 2' BELOW GRADE) AND CONNECT TO POLE WITH 1 #6 IN BONDED 1/2" CONDUIT.

NOTE: TACK WELD ALL ANCHOR BOLT NUTS IN PLACE WHEN POLES ARE SET AND PLUMB. REPAIR FINISH WITH GALCON PAINT.

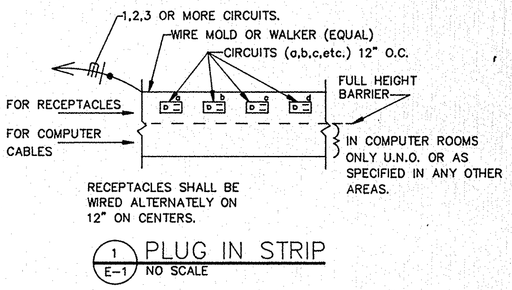
5 E-1 LIGHTING POLE FOUNDATION DETAIL
NO SCALE



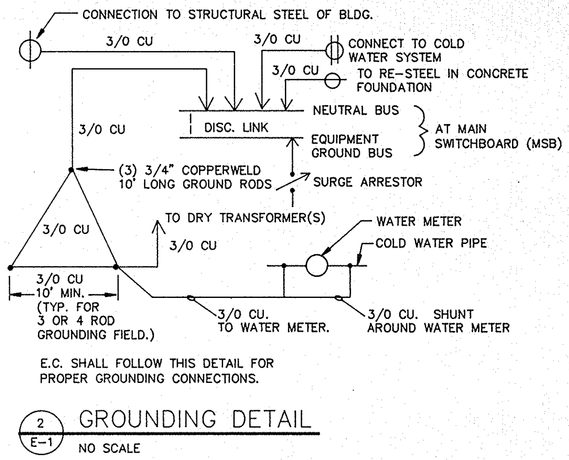
6 E-1 TYPICAL DETAIL FOR OVERHEAD FEED TO INTERIOR WALL OUTLETS
NO SCALE



7 E-1 2 1/2" AND LARGER CONDUIT SUPPORT DETAIL
NO SCALE

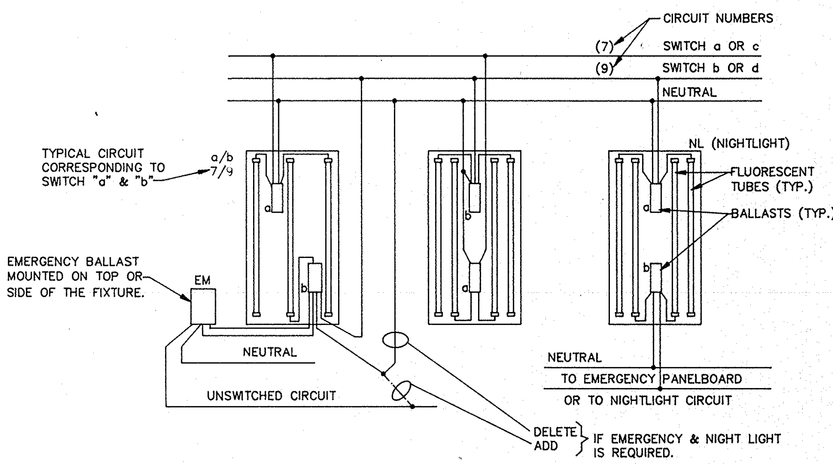


1 E-1 PLUG IN STRIP
NO SCALE

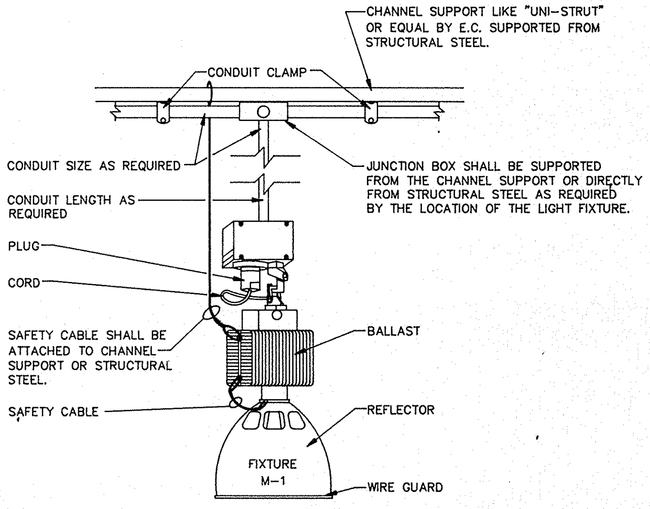


E.C. SHALL FOLLOW THIS DETAIL FOR PROPER GROUNDING CONNECTIONS.

2 E-1 GROUNDING DETAIL
NO SCALE



3 E-1 TYP. WIRING DIAGRAM FOR 3 OR 4 TUBE FIXTURES
NO SCALE



4 E-1 HIGH BAY LIGHTING FIXTURE TYPICAL MOUNTING DETAIL
NO SCALE

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A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

SYMBOLS & DETAILS

DRAWN BY: MMS COMM. NO.: 8712.00
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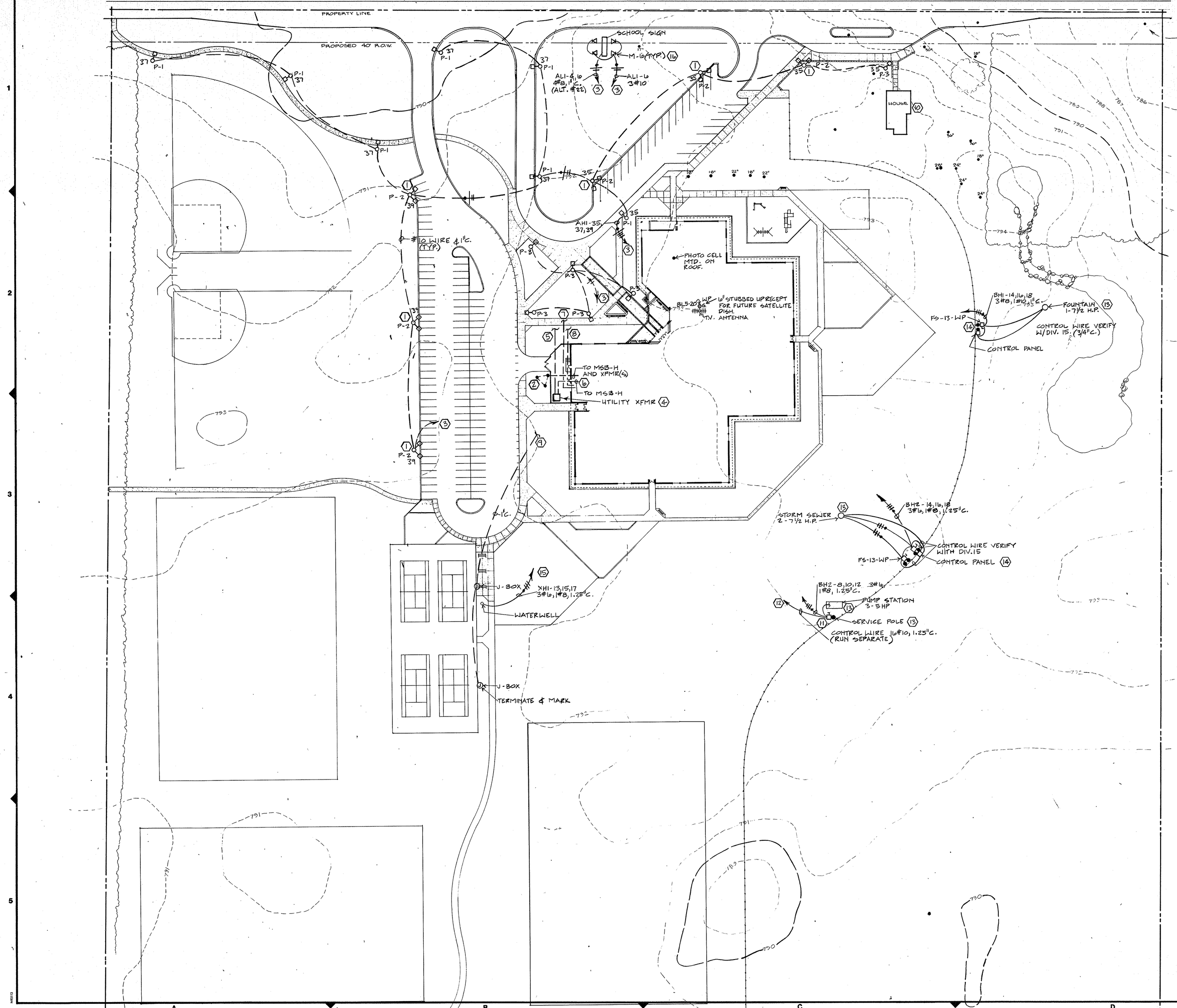
REVISIONS NO. DATE

E-1

HARRIS TOWNSHIP ELEMENTARY SCHOOL



REFER TO DRAWING SHEET "E-2A" FOR SITE LIGHTING (ONLY) ALT. #21. TO REPLACE FIXT'S P-1, P-2, AND P-3 ON THIS DRAWING SHEET.

FIXTURE TYPE "P-1" & "P-3" ARE TYPE II REFLECTOR AND "P-2" FIXTURE ARE TYPE FWD. THROW

PLAN NOTES:

1. SAME FIXTURE AS "P-1" EXCEPT 2 HEADS AT 90° or 180° ANGLE.
2. REFER TO GROUNDING DETAIL 2/E-1 (SHEET E-1).
3. VIA LIGHTING CONTACTOR "CL-9" IN ROOM "A50" TO BE CONTROLLED BY PHOTOCELL "ON" AND TIME SWITCH "OFF".
4. TRANSFORMER BY UTILITY COMPANY. 10' X 10' TRANSFORMER PAD BY E.C. PER UTILITY COMPANY REQUIREMENTS.
5. UNDERGROUND PRIMARY, TRENCHING AND BACKFILLING BY UTILITY COMPANY.
6. UNDERGROUND SECONDARY BY E.C. AT 30" BELOW FINISHED GROUND (MIN.) REFER TO RISER DIAGRAM FOR MORE DETAILS.
7. UNDERGROUND 4" P.V.C. SCHEDULE 40 CONDUIT BY E.C. TO PROPERTY LINE. VERIFY TERMINATION OF CONDUIT AND MORE REQUIREMENTS WITH TELEPHONE COMPANY. CONDUIT AT 30" (MIN.) BELOW FINISHED GROUND.
8. UNDERGROUND 2" P.V.C. SCHEDULE 40 CONDUIT BY E.C. TO PROPERTY LINE. VERIFY TERMINATION OF CONDUIT AND MORE REQUIREMENTS WITH LOCAL CABLE T.V. COMPANY. CONDUIT AT 30" (MIN.) BELOW FINISHED GROUND. TERMINATE CONDUIT IN ROOM "B40".
9. UNDER ALT. #10: RUN 1" CONDUIT & #14 DRAG WIRE TO TERMINATE A PANELBOARD "BH3" IN BOILER ROOM "B77".
10. UNDER ALT. #14: SEE DRAWING SHEET "E8" FOR MORE INFORMATION.
11. PROVIDE A LOCKABLE DISCONNECT TYPE "FA-23-WP" MOUNTED ON SERVICE POLE. REFER TO DRAWING SHEET "SU-1" FOR MORE ELECTRICAL REQUIREMENTS. WIRE ALL 3 SUBMERSIBLE PUMPS AND CONTROL PANEL LOCATED IN ROOM "B52".
12. CONTROL WIRE TO CONTROL PANEL LOCATED IN ROOM "B52".
13. E.C. SHALL VERIFY EXACT LOCATION WITH MECHANICAL PLANS AND SITE UTILITY PLANS.
14. PROVIDE UNITSTRUTS & CONCRETE PAD TO MOUNT DISCONNECT(S) AND CONTROL PANEL.
15. PROVIDE A "LOCK-IN-PLACE" FUSIBLE DISCONNECT 480V, 3 PHASE, 60A, 4W. (FS-23). THIS DISCONNECT SHALL BE ABLE TO BE LOCKED IN AN "OFF" POSITION. PROVIDE ALL REQUIRED HARDWARE FOR THIS PURPOSE, INCLUDING A PADLOCK.
16. E.C. SHALL PROVIDE FOUR LIGHT FIXTURES JPL #IC-M-7-M-120V W/175 WALL M.H. LAMPS (MVR 175/U) WIRED TO CIRCUIT AL1-6 AND MOUNTED ON 1" GALVANIZED YOKE ON CONCRETE BASE, AT EACH SIDE OF SCHOOL SIGN. REFER TO SHEET G-8 FOR SIGN LOCATION. PROVIDE A WEATHER-PROOF J-BOX PER FIXTURE.

ELECTRICAL SITE PLAN

SCALE 1" = 50'-0"

(BASE BID)

NORTH

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GRANGER, INDIANA

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ELECTRICAL SITE PLAN

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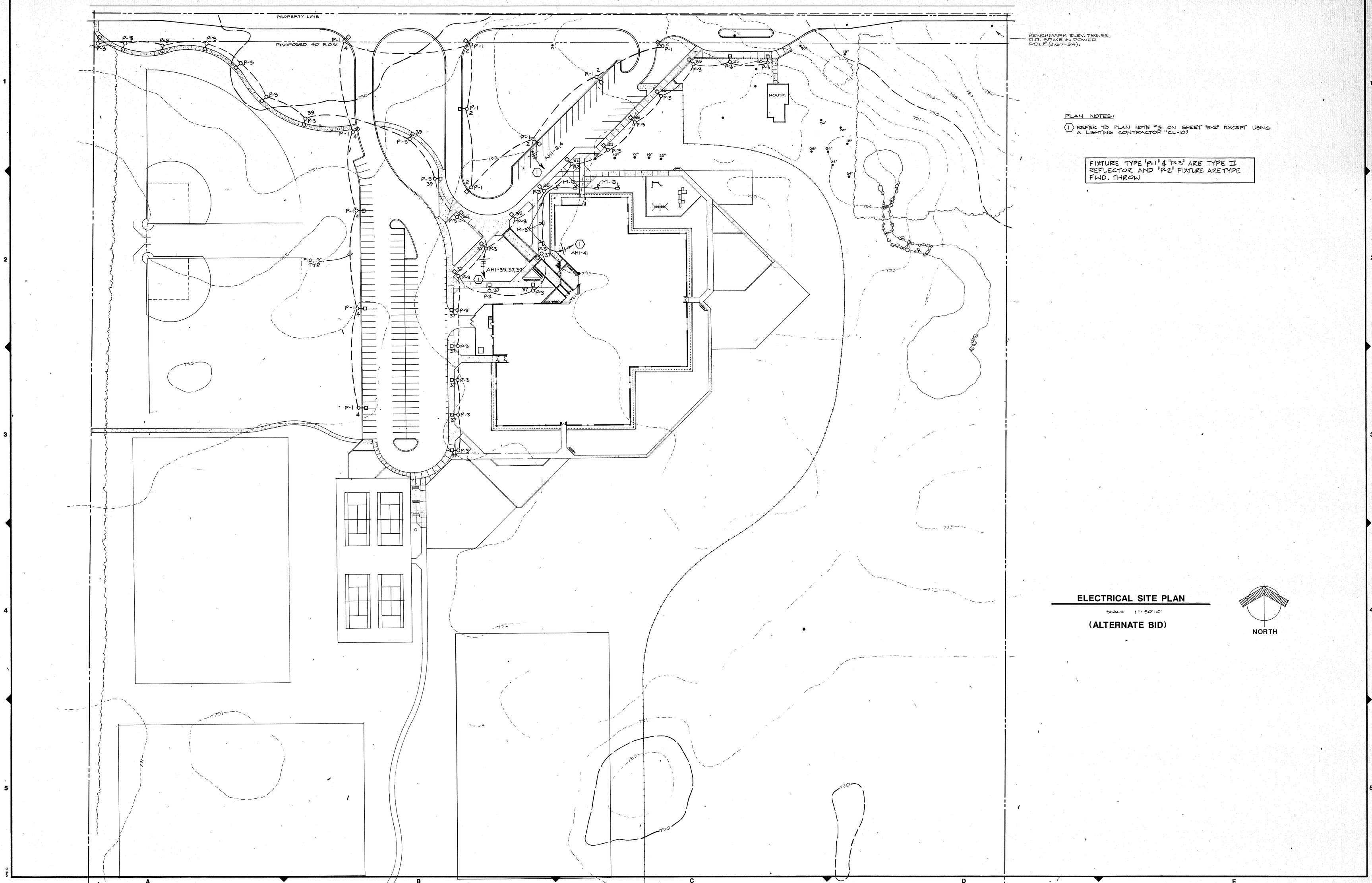
E-2

HARRIS TOWNSHIP ELEMENTARY SCHOOL



PLAN NOTES:

(1) REFER TO PLAN NOTE #3 ON SHEET "E-2" EXCEPT USING A LIGHTING CONTRACTOR "CL-10".

FIXTURE TYPE "P-1" & "P-3" ARE TYPE II REFLECTOR AND "P-2" FIXTURE ARE TYPE FWD. THROW

ELECTRICAL SITE PLAN

SCALE 1" = 50'-0"

(ALTERNATE BID)

NORTH

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A NEW ELEMENTARY SCHOOL
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ELECTRICAL SITE PLAN (ALT.)

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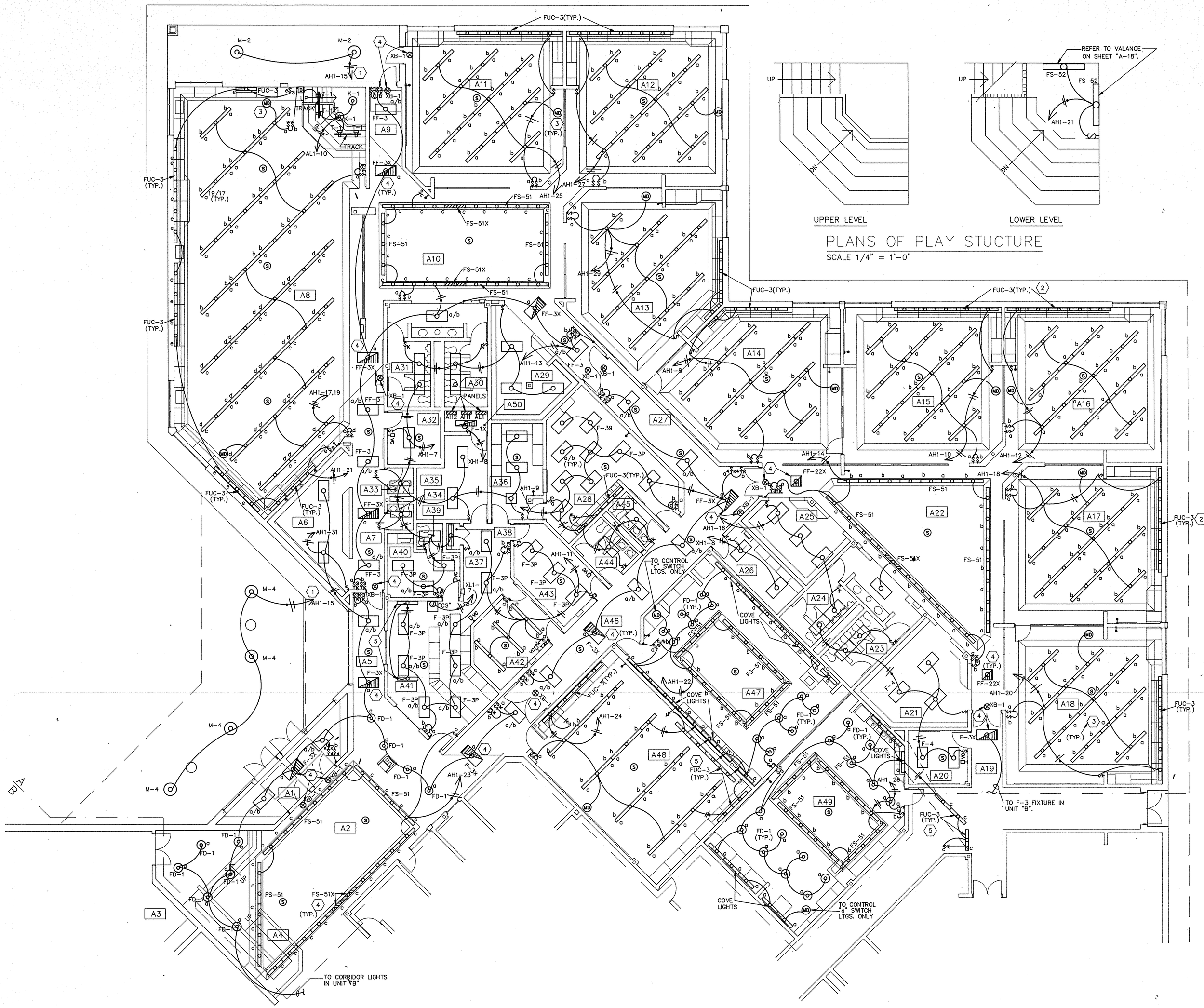
CHECKED BY: AV DATE: JAN. 11, 1988

REVISIONS NO. DATE

E-2A

HARRIS TOWNSHIP ELEMENTARY SCHOOL



PLANS OF PLAY STUCTURE

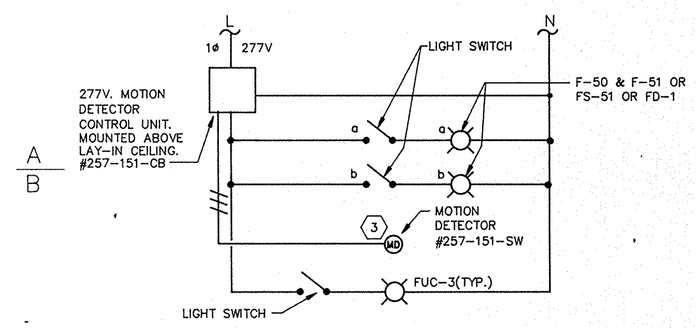
SCALE 1/4" = 1'-0"

ROOM LEGEND UNIT "A"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
A1	VESTIBULE	243	8'-0"
A2	ENTRY	483	VARIES
A3	PLATFORM	123	VARIES
A4	RAMP	180	VARIES
A5	CORRIDOR	176	9'-4"
A6	COAT STORAGE	249	8'-0"
A7	CORRIDOR	176	9'-4"
A8	KINDERGARTEN	2815	7'-4" & 9'-4"
A9	CORRIDOR	120	VARIES
A10	EXTENDED LEARNING	1038	7'-0" & 9'-4"
A11	CLASSROOM	900	7'-4" & 9'-4"
A12	CLASSROOM	906	7'-4" & 9'-4"
A13	CLASSROOM	905	7'-4" & 9'-4"
A14	CLASSROOM	905	7'-4" & 9'-4"
A15	CLASSROOM	906	7'-4" & 9'-4"
A16	CLASSROOM	900	7'-4" & 9'-4"
A17	CLASSROOM	906	7'-4" & 9'-4"
A18	CLASSROOM	900	7'-4" & 9'-4"
A19	CORRIDOR	90	9'-4"
A20	CONFERENCE	127	8'-0"
A21	COAT STORAGE	309	8'-0"
A22	EXTENDED LEARNING	908	7'-0" & 9'-4"
A23	GIRLS' TOILET	132	8'-0"
A24	BOYS' TOILET	132	8'-0"
A25	COAT STORAGE	195	8'-0"
A26	JANITOR	126	8'-0"
A27	CORRIDOR	427	9'-4"
A28	TEACHERS' LOUNGE	444	8'-0"
A29	COAT STORAGE	230	8'-0"
A30	GIRLS' TOILET	128	8'-0"
A31	BOYS' TOILET	128	8'-0"
A32	CONFERENCE	67	8'-0"
A33	TOILET	25	8'-0"
A34	TOILET	25	8'-0"
A35	STORAGE	198	8'-0"
A36	WORK ROOM	215	8'-0"
A37	CORRIDOR	150	8'-0"
A38	CLOSET	13	8'-0"
A39	TOILET	25	8'-0"
A40	HEALTH	140	8'-0"
A41	RECEPTION	420	8'-0"
A42	PRINCIPAL	189	8'-0"
A43	CONFERENCE	208	8'-0"
A44	WOMENS' TOILET	88	8'-0"
A45	MENS' TOILET	55	8'-0"
A46	CORRIDOR	560	9'-4"
A47	PROJECT ACTIVITY	966	9'-0"
A48	MUSIC	955	10'-0"
A49	PROJECT ACTIVITY	960	9'-0"
A50	ELECTRICAL	32	8'-0"

PLAN NOTES:

1. FIXTURES TYPE "M-4" AND "M-2" TO BE CONTROLLED BY A PHOTO CELL "ON" AND A TIME SWITCH "OFF". PROVIDE NECESSARY SWITCH(ES) TO MANUALLY OVERRIDE PHOTO CELL & TIME SWITCH.
2. UNDER ALT. #26. REFER TO SPECS, SECTION 01030. TYPICAL FOR UNIT "A" AND UNIT "B".
3. UNDER ALT. #25. REFER TO SPECS, SECTION 01030. TYPICAL FOR UNIT "A" AND UNIT "B". MOUNT MOTION SENSOR(S) AT LEAST 2' HVAC DUCTS OR DIFFUSERS OR LIGHT FIXTURE. REFER TO MANUFACTURE'S MOUNTING REQUIREMENTS.
4. ALL EXIT SIGNS AND ALL EMERGENCY LIGHTING (NIGHT LIGHTING) IN UNIT "A" SHALL BE WIRED TO EMERGENCY PANEL "XH1" CIRCUIT #XH1-8. ALSO REFER TO "GENERAL NOTES" #5 & #6 ON SHEET "E-1", AND ALSO TO WIRING DETAIL "3/E-1".
5. MOUNT FIXTURES TYPE "FUC-3" UNDER CASEWORK.



1. PROVIDE MOTION SWITCHING SYSTEM AS SHOWN ABOVE AND MANUFACTURED BY HUBBELL MODEL H-MOSS 700. OR APPROVED EQUAL.

TYPICAL WIRING DIAGRAM FOR LTS CONTROL W/ MOTION DETECTORS

NO SCALE:

ALL 2'x4' LIGHT FIXTURES SHALL BE TYPE "F-3"; ALL 1'x4' SHALL BE TYPE "F-1"; ALL 2'x2' SHALL BE TYPE "F-22"; ALL 6"x4' SHALL BE TYPE "F-50" AND ALL 6"x8' SHALL BE TYPE "F-51" UNLESS NOTED OTHERWISE. TYPICAL FOR ALL UNITS.

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LEE BROCKWAY REGISTERED NO. 10866 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
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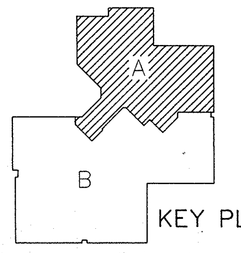

KEY PLAN

FANNING/HOWEY ASSOCIATES, Inc.
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LIGHTING PLAN UNIT "A"

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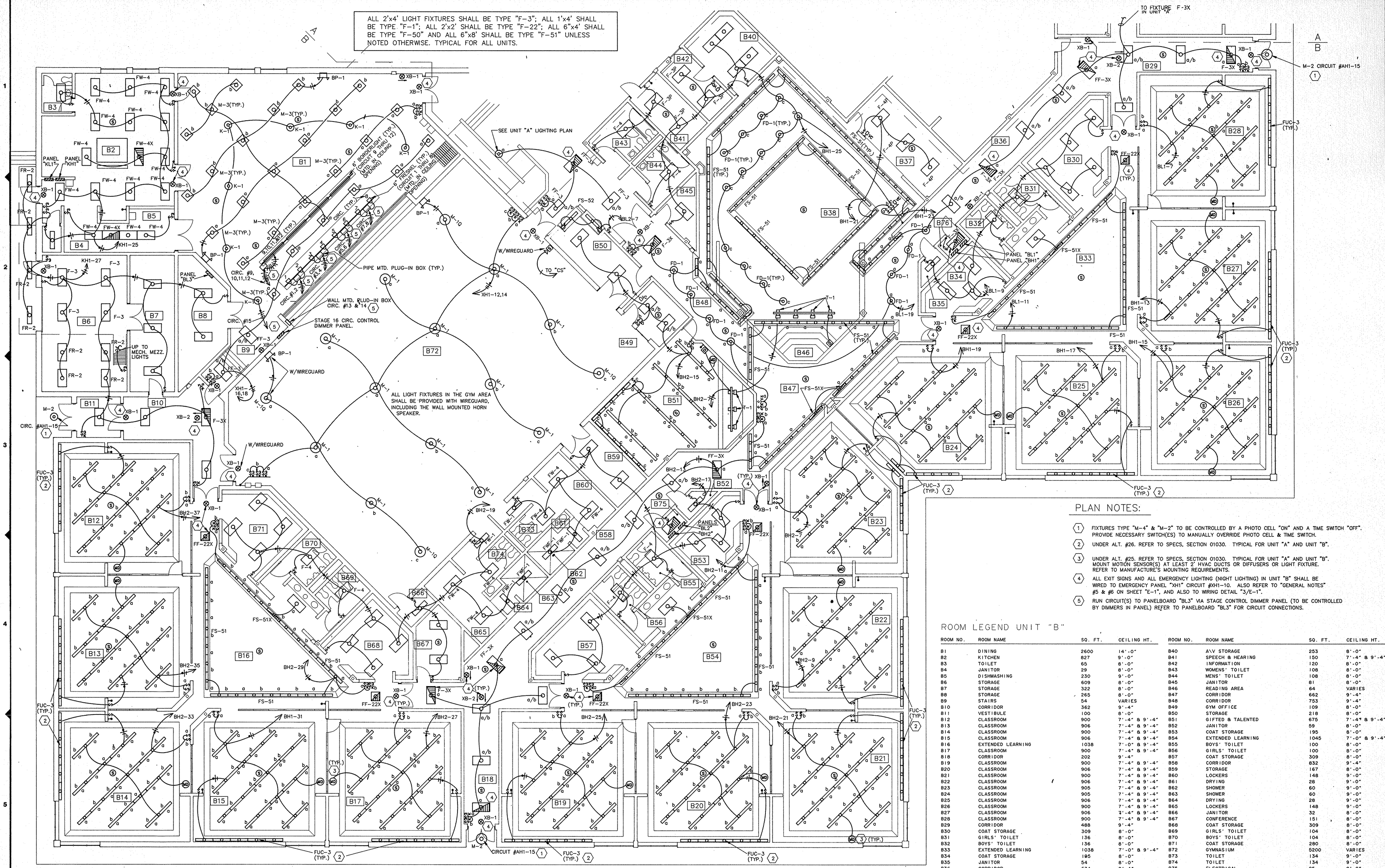
E-3

HARRIS TOWNSHIP ELEMENTARY SCHOOL

22

ALL 2'x4' LIGHT FIXTURES SHALL BE TYPE "F-3"; ALL 1'x4' SHALL BE TYPE "F-1"; ALL 2'x2' SHALL BE TYPE "F-22"; ALL 6"x4' SHALL BE TYPE "F-50" AND ALL 6"x8' SHALL BE TYPE "F-51" UNLESS NOTED OTHERWISE. TYPICAL FOR ALL UNITS.



ROOM LEGEND UNIT "B"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
B1	DINING	2600	14'-0"
B2	KITCHEN	827	9'-0"
B3	TOILET	65	8'-0"
B4	JANITOR	29	8'-0"
B5	DISHWASHING	230	9'-0"
B6	STORAGE	609	8'-0"
B7	STORAGE	322	8'-0"
B8	STORAGE	265	8'-0"
B9	STAIRS	54	VARIES
B10	CORRIDOR	362	9'-4"
B11	VESTIBULE	100	8'-0"
B12	CLASSROOM	900	7'-4" & 9'-4"
B13	CLASSROOM	906	7'-4" & 9'-4"
B14	CLASSROOM	900	7'-4" & 9'-4"
B15	CLASSROOM	906	7'-4" & 9'-4"
B16	EXTENDED LEARNING	1038	7'-0" & 9'-4"
B17	CLASSROOM	900	7'-4" & 9'-4"
B18	CORRIDOR	202	9'-4"
B19	CLASSROOM	900	7'-4" & 9'-4"
B20	CLASSROOM	906	7'-4" & 9'-4"
B21	CLASSROOM	900	7'-4" & 9'-4"
B22	CLASSROOM	906	7'-4" & 9'-4"
B23	CLASSROOM	905	7'-4" & 9'-4"
B24	CLASSROOM	905	7'-4" & 9'-4"
B25	CLASSROOM	906	7'-4" & 9'-4"
B26	CLASSROOM	900	7'-4" & 9'-4"
B27	CLASSROOM	906	7'-4" & 9'-4"
B28	CLASSROOM	900	7'-4" & 9'-4"
B29	CORRIDOR	488	9'-4"
B30	COAT STORAGE	309	8'-0"
B31	GIRLS' TOILET	136	8'-0"
B32	BOYS' TOILET	136	8'-0"
B33	EXTENDED LEARNING	1038	7'-0" & 9'-4"
B34	COAT STORAGE	195	8'-0"
B35	JANITOR	54	8'-0"
B36	CORRIDOR	534	9'-4"
B37	OFFICE	288	8'-0"
B38	INSTRUCTIONAL MATERIALS CENTER	2097	VARIES
B39	READING AREA	64	VARIES
B40	A\V STORAGE	253	8'-0"
B41	SPEECH & HEARING	150	7'-4" & 9'-4"
B42	INFORMATION	120	8'-0"
B43	WOMENS' TOILET	108	8'-0"
B44	MENS' TOILET	108	8'-0"
B45	JANITOR	81	8'-0"
B46	READING AREA	64	VARIES
B47	CORRIDOR	662	9'-4"
B48	CORRIDOR	753	9'-4"
B49	GYM OFFICE	109	8'-0"
B50	STORAGE	218	8'-0"
B51	GIFTED & TALENTED	675	7'-4" & 9'-4"
B52	JANITOR	59	8'-0"
B53	COAT STORAGE	195	8'-0"
B54	EXTENDED LEARNING	1045	7'-0" & 9'-4"
B55	BOYS' TOILET	100	8'-0"
B56	GIRLS' TOILET	100	8'-0"
B57	COAT STORAGE	309	8'-0"
B58	CORRIDOR	832	9'-4"
B59	STORAGE	167	8'-0"
B60	LOCKERS	148	9'-0"
B61	DRYING	28	9'-0"
B62	SHOWER	60	9'-0"
B63	SHOWER	60	9'-0"
B64	DRYING	28	9'-0"
B65	LOCKERS	148	9'-0"
B66	JANITOR	32	8'-0"
B67	CONFERENCE	151	8'-0"
B68	COAT STORAGE	309	8'-0"
B69	GIRLS' TOILET	104	8'-0"
B70	BOYS' TOILET	104	8'-0"
B71	COAT STORAGE	280	8'-0"
B72	GYMNASIUM	5200	VARIES
B73	TOILET	134	9'-0"
B74	TOILET	134	9'-0"
B75	ELECTRICAL	25	8'-0"
B76	ELECTRICAL	25	8'-0"
B77	MECHANICAL MEZZANINE	984	9'-0"
B78	ELECTRICAL	187	9'-0"

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A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

KEY PLAN

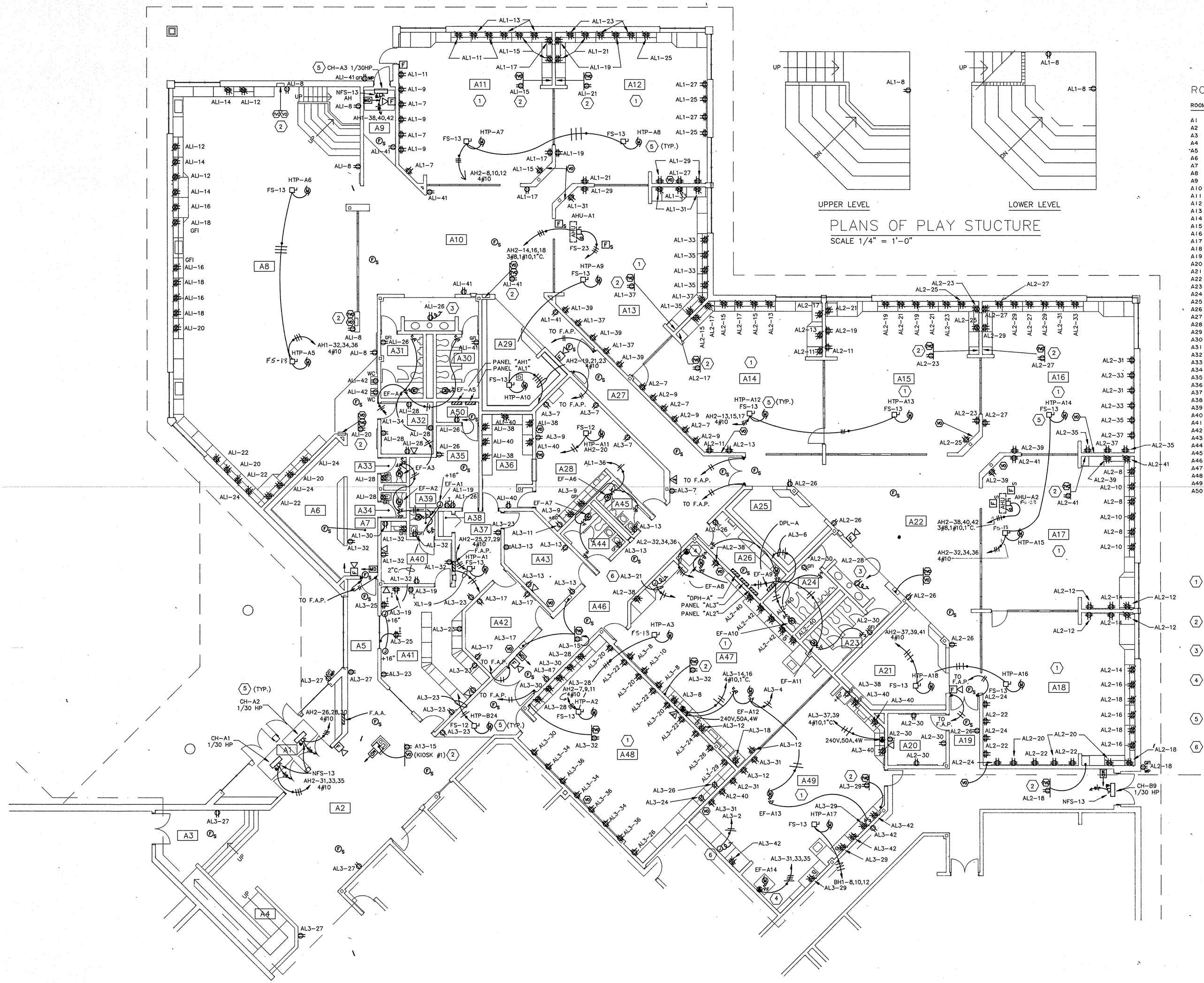
FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

LIGHTING PLAN UNIT "B"

DRAWN BY: AV/MM COMM. NO.: 8712.00
CHECKED BY: AV DATE: JAN. 11, 1988
REVISIONS NO. - DATE

E-4

HARRIS TOWNSHIP ELEMENTARY SCHOOL



PLANS OF PLAY STUCTURE

SCALE 1/4" = 1'-0"

ROOM LEGEND UNIT "A"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
A1	VESTIBULE	243	8'-0"
A2	ENTRY	483	VARIES
A3	PLATFORM	123	VARIES
A4	RAMP	180	VARIES
A5	CORRIDOR	176	9'-4"
A6	COAT STORAGE	249	8'-0"
A7	CORRIDOR	176	9'-4"
A8	KINDERGARTEN	2815	7'-4" & 9'-4"
A9	CORRIDOR	120	VARIES
A10	EXTENDED LEARNING	1038	7'-0" & 9'-4"
A11	CLASSROOM	900	7'-4" & 9'-4"
A12	CLASSROOM	906	7'-4" & 9'-4"
A13	CLASSROOM	905	7'-4" & 9'-4"
A14	CLASSROOM	905	7'-4" & 9'-4"
A15	CLASSROOM	906	7'-4" & 9'-4"
A16	CLASSROOM	900	7'-4" & 9'-4"
A17	CLASSROOM	906	7'-4" & 9'-4"
A18	CLASSROOM	900	7'-4" & 9'-4"
A19	CORRIDOR	90	9'-4"
A20	CONFERENCE	127	8'-0"
A21	COAT STORAGE	309	8'-0"
A22	EXTENDED LEARNING	908	7'-0" & 9'-4"
A23	GIRLS' TOILET	132	8'-0"
A24	BOYS' TOILET	132	8'-0"
A25	COAT STORAGE	195	8'-0"
A26	JANITOR	126	8'-0"
A27	CORRIDOR	427	9'-4"
A28	TEACHERS' LOUNGE	444	8'-0"
A29	COAT STORAGE	230	8'-0"
A30	GIRLS' TOILET	128	8'-0"
A31	BOYS' TOILET	128	8'-0"
A32	CONFERENCE	67	8'-0"
A33	TOILET	25	8'-0"
A34	TOILET	25	8'-0"
A35	STORAGE	198	8'-0"
A36	WORK ROOM	215	8'-0"
A37	CORRIDOR	150	8'-0"
A38	CLOSET	13	8'-0"
A39	TOILET	25	8'-0"
A40	HEALTH	140	8'-0"
A41	RECEPTION	420	8'-0"
A42	PRINCIPAL	189	8'-0"
A43	CONFERENCE	208	8'-0"
A44	WOMENS' TOILET	88	8'-0"
A45	MENS' TOILET	55	8'-0"
A46	CORRIDOR	560	9'-4"
A47	PROJECT ACTIVITY	966	9'-0"
A48	MUSIC	955	10'-0"
A49	PROJECT ACTIVITY	960	9'-0"
A50	ELECTRICAL	32	8'-0"

PLAN NOTES

1. UNDER ALT.#23: PROVIDE PLUG IN STRIP ABOVE THE COUNTER TOP ONLY IN LEU OF THE DOUBLE DUPLEX OUTLETS. USE SAME CIRCUIT SHOWN FOR RECEPTACLES REFER TO DETAIL 1/E1 FOR WIRING AND PLUG IN TYPE. COMPUTER CABLE SECTION IS NOT REQ'D. LENGTH OF PLUG IN STRIP SHALL BE EQUAL TO ENTIRE AVAILABLE WALL COVERED BY RECEPTACLES.
2. E.C. SHALL VERIFY RECEPTACLE MTG. HT. WITH DATA/VIDEO/VOICE SYSTEM MFGR. BEFORE ROUGH IN FOR EACH LOCATION.
3. WIRE DRINKING FOUNTAIN COOLER MTD. ABOVE CEILING.
4. RUN 4#8, 1#10, 1"C. ALSO PROVIDE A 240V,50A,3ø, 5 WIRE VERIFY RECEPTACLE TYPE WITH KILN'S PLUG BEFORE INSTALLATION.
5. MOUNT DISCONNECT FOR ALL HEAT PUMPS, CABINET HEATERS, AND AIR HANDLERS, ETC. ON BAR JOISTS (STRUCTURE) AND RUN FLEXIBLE CONDUIT TO MECH. UNIT. TYPICAL FOR UNITS "A" & "B"
6. WIRE SPRAY BOOTH EXHAUST FAN, LIGHTS AND SWITCH(ES).

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FOR THE
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GRANGER, INDIANA

KEY PLAN

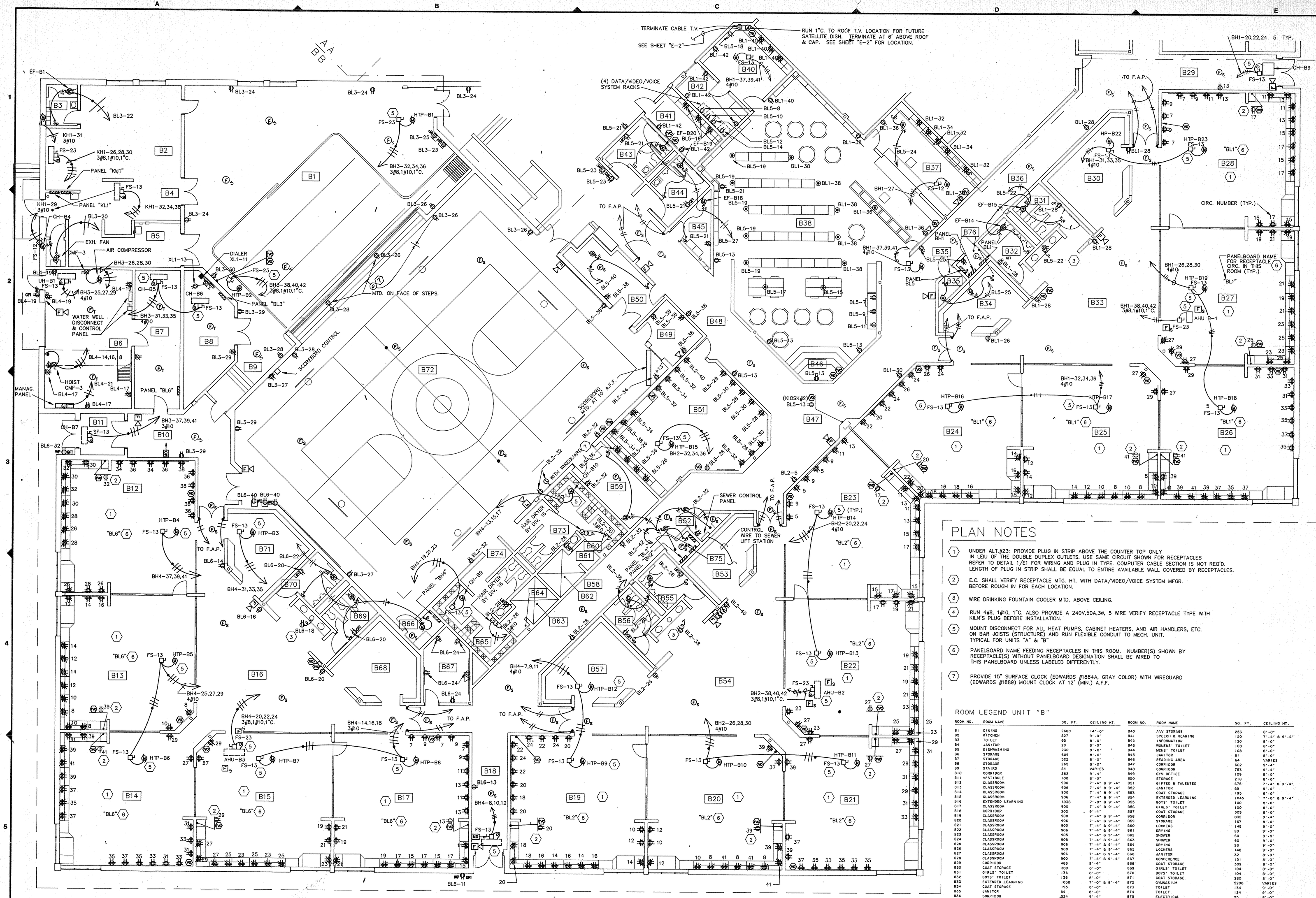
FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

POWER PLAN UNIT "A"

DRAWN BY: AV/JSH COMM. NO.: 8712.00
CHECKED BY: AV DATE: JAN. 11, 1988
REVISIONS NO. DATE

E-5

HARRIS TOWNSHIP ELEMENTARY SCHOOL



PLAN NOTES

1. UNDER ALT.#23: PROVIDE PLUG IN STRIP ABOVE THE COUNTER TOP ONLY IN LEIU OF THE DOUBLE DUPLEX OUTLETS. USE SAME CIRCUIT SHOWN FOR RECEPTACLES REFER TO DETAIL 1/E1 FOR WIRING AND PLUG IN TYPE. COMPUTER CABLE SECTION IS NOT REQ'D. LENGTH OF PLUG IN STRIP SHALL BE EQUAL TO ENTIRE AVAILABLE WALL COVERED BY RECEPTACLES.
2. E.C. SHALL VERIFY RECEPTACLE MTG. HT. WITH DATA/VIDEO/VOICE SYSTEM MFGR. BEFORE ROUGH IN FOR EACH LOCATION.
3. WIRE DRINKING FOUNTAIN COOLER MTD. ABOVE CEILING.
4. RUN 4#8, 1#10, 1"C. ALSO PROVIDE A 240V,50A,3#, 5 WIRE VERIFY RECEPTACLE TYPE WITH KILN'S PLUG BEFORE INSTALLATION.
5. MOUNT DISCONNECT FOR ALL HEAT PUMPS, CABINET HEATERS, AND AIR HANDLERS, ETC. ON BAR JOISTS (STRUCTURE) AND RUN FLEXIBLE CONDUIT TO MECH. UNIT. TYPICAL FOR UNITS "A" & "B"
6. PANELBOARD NAME FEEDING RECEPTACLES IN THIS ROOM. NUMBER(S) SHOWN BY RECEPTACLE(S) WITHOUT PANELBOARD DESIGNATION SHALL BE WIRED TO THIS PANELBOARD UNLESS LABELED DIFFERENTLY.
7. PROVIDE 15" SURFACE CLOCK (EDWARDS #1884A, GRAY COLOR) WITH WIREGUARD (EDWARDS #1889) MOUNT CLOCK AT 12' (MIN.) A.F.F.

ROOM LEGEND UNIT "B"

ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.	ROOM NO.	ROOM NAME	SQ. FT.	CEILING HT.
B1	DINING	2600	14'-0"	B40	A/V STORAGE	253	8'-0"
B2	KITCHEN	827	9'-0"	B41	SPEECH & HEARING	150	7'-4" & 9'-4"
B3	TOILET	65	8'-0"	B42	INFORMATION	120	8'-0"
B4	JANITOR	29	8'-0"	B43	WOMENS' TOILET	108	8'-0"
B5	DISHWASHING	230	9'-0"	B44	MENS' TOILET	108	8'-0"
B6	STORAGE	609	8'-0"	B45	JANITOR	81	8'-0"
B7	STORAGE	322	8'-0"	B46	READING AREA	64	VARIES
B8	STORAGE	265	8'-0"	B47	CORRIDOR	662	9'-4"
B9	STAIRS	54	VARIES	B48	CORRIDOR	753	9'-4"
B10	CORRIDOR	363	9'-4"	B49	GYM OFFICE	109	8'-0"
B11	VESTIBULE	100	8'-0"	B50	STORAGE	218	8'-0"
B12	CLASSROOM	900	7'-4" & 9'-4"	B51	GIFTED & TALENTED	675	7'-4" & 9'-4"
B13	CLASSROOM	906	7'-4" & 9'-4"	B52	JANITOR	59	8'-0"
B14	CLASSROOM	900	7'-4" & 9'-4"	B53	COAT STORAGE	195	8'-0"
B15	CLASSROOM	906	7'-4" & 9'-4"	B54	EXTENDED LEARNING	1045	7'-0" & 9'-4"
B16	EXTENDED LEARNING	1038	7'-0" & 9'-4"	B55	BOYS' TOILET	100	8'-0"
B17	CLASSROOM	900	7'-4" & 9'-4"	B56	GIRLS' TOILET	100	8'-0"
B18	CORRIDOR	202	9'-4"	B57	COAT STORAGE	309	8'-0"
B19	CLASSROOM	900	7'-4" & 9'-4"	B58	CORRIDOR	832	9'-4"
B20	CLASSROOM	906	7'-4" & 9'-4"	B59	STORAGE	167	8'-0"
B21	CLASSROOM	900	7'-4" & 9'-4"	B60	LOCKERS	148	9'-0"
B22	CLASSROOM	906	7'-4" & 9'-4"	B61	DRYING	28	9'-0"
B23	CLASSROOM	905	7'-4" & 9'-4"	B62	SHOWER	60	9'-0"
B24	CLASSROOM	905	7'-4" & 9'-4"	B63	SHOWER	60	9'-0"
B25	CLASSROOM	906	7'-4" & 9'-4"	B64	DRYING	28	9'-0"
B26	CLASSROOM	900	7'-4" & 9'-4"	B65	LOCKERS	148	9'-0"
B27	CLASSROOM	906	7'-4" & 9'-4"	B66	JANITOR	32	8'-0"
B28	CLASSROOM	900	7'-4" & 9'-4"	B67	CONFERENCE	151	8'-0"
B29	CORRIDOR	488	9'-4"	B68	COAT STORAGE	309	8'-0"
B30	COAT STORAGE	309	8'-0"	B69	GIRLS' TOILET	104	8'-0"
B31	GIRLS' TOILET	136	8'-0"	B70	BOYS' TOILET	104	8'-0"
B32	BOYS' TOILET	136	8'-0"	B71	COAT STORAGE	280	8'-0"
B33	EXTENDED LEARNING	1038	7'-0" & 9'-4"	B72	GYMNASIUM	5200	VARIES
B34	COAT STORAGE	195	8'-0"	B73	TOILET	134	9'-0"
B35	JANITOR	54	8'-0"	B74	TOILET	134	9'-0"
B36	CORRIDOR	534	9'-4"	B75	ELECTRICAL	25	8'-0"
B37	OFFICE	288	8'-0"	B76	ELECTRICAL	25	8'-0"
B38	INSTRUCTIONAL MATERIALS CENTER	2097	VARIES	B77	MECHANICAL MEZZANINE	984	9'-0"
B39	READING AREA	64	VARIES	B78	ELECTRICAL	187	9'-0"

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LEE BROCKMAN REGISTERED No. 10656 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

KEY PLAN

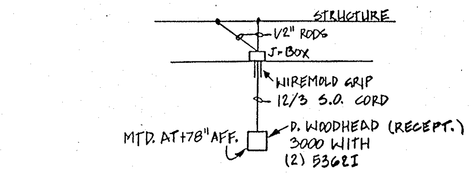
FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

POWER PLAN UNIT "B"

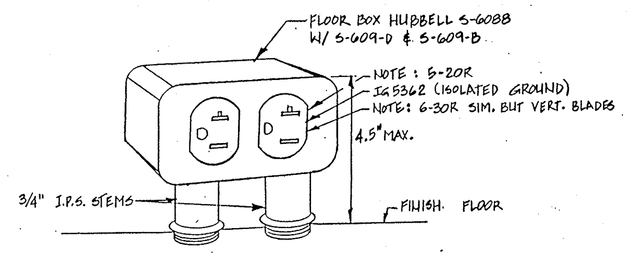
DRAWN BY: AV COMM. NO.: 8712.00
CHECKED BY: AV DATE:
REVISIONS NO. DATE

E-6

HARRIS TOWNSHIP ELEMENTARY SCHOOL



2-E7 CEILING DROP CORD RECEPTACLE
N.T.S.

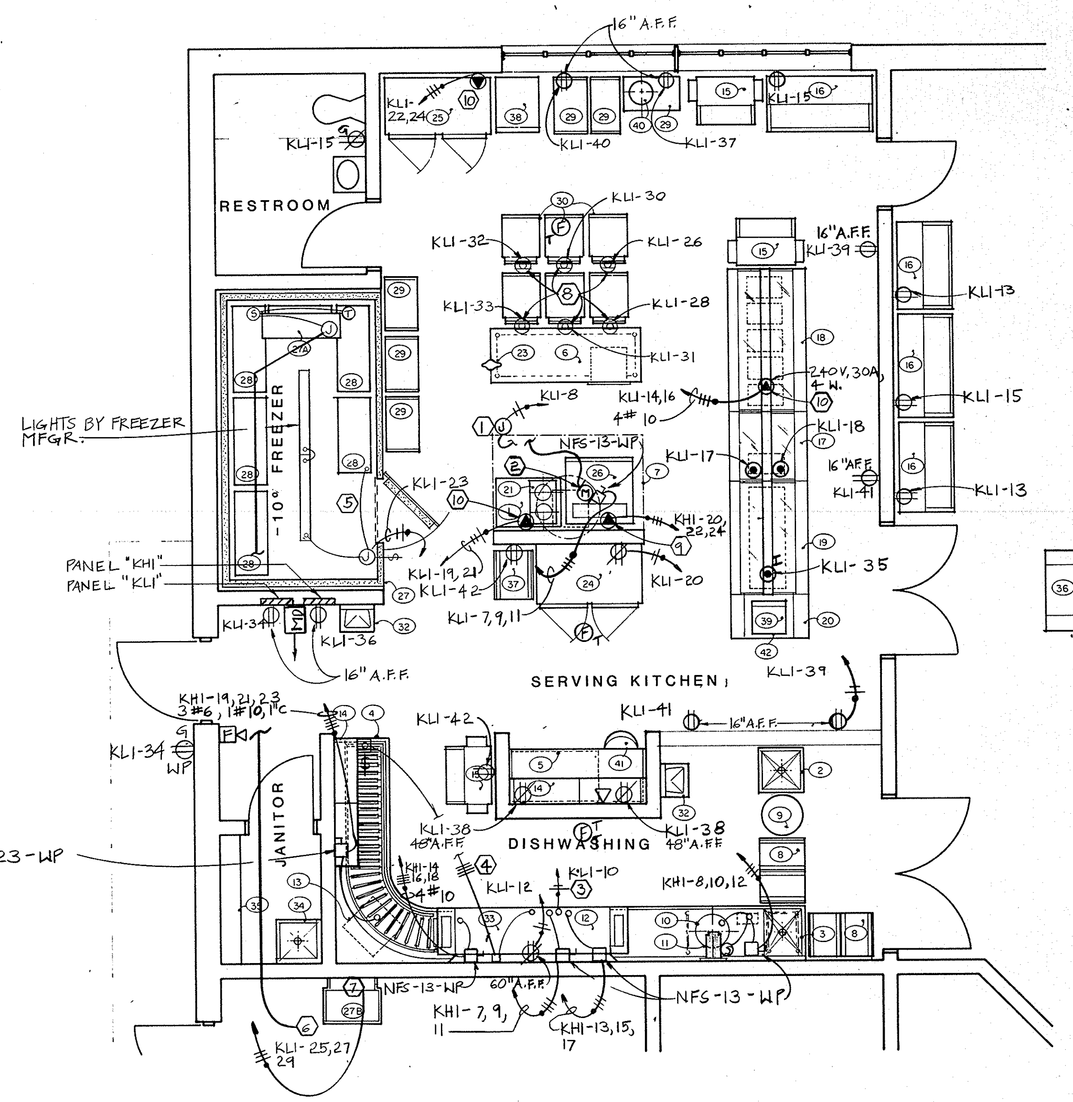


1-E7 ABOVE FLOOR RECEPTACLE
N.T.S.

REFER TO SHEETS FS1,FS2, FS3,& FS4 FOR ADDITIONAL ELECTRICAL REQUIREMENTS.

PLAN NOTES

1. J.B. ABOVE CEILING, DROP DOWN TO FACTORY J.B. ON TOP OF CANOPY FOR CONNECTION TO FACTORY LIGHT SWITCH AND LIGHTS ON KITCHEN HOOD FACE.
2. 3/4 H.P. ROOF MOUNTED AIR HANDLER. E.C. TO WIRE FROM TERMINAL BLOCK ON A.H. TO FACTORY SWITCH ON FACE OF KITCHEN HOOD.
3. WIRE FROM DISHWASHER CONTROL PANEL TO EXHAUST FAN. PROVIDE TIMER(S), RELAYS AND ENCLOSURES REQUIRED. REFER TO WIRING DIAGRAM ON SHEET "FS-3".
4. WIRE MICROSWITCH TO AUTOMATIC ENERGY-SAVING CONTROL BOX AND FROM CONTROL BOX TO DISHWASHER. SEE SHEET "FS-3".
5. E.C. TO WIRE PERIMETER DOOR HEATERS AND AIR RELIEF VENT HEATERS AND LIGHT FIXTURES (BY K.E.C.).
6. E.C. TO CONNECT JUNCTION BOX ON FREEZER COIL TO REMOTE TIMER ON COMPRESSOR; ALSO WIRE K.E.C. FURNISHED TEMP. CONTROLS. REFER TO FREEZER COIL DIAGRAM, SHEET "FS-3".
7. E.C. TO CONNECT TO FACTORY SUPPLIED DISCONNECT SWITCH ON COMPRESSOR. REFER TO FREEZER COIL DIAGRAM, SHEET "FS-3".
8. E.C. PROVIDE S.O. CORD DROP, 3#12, FROM CEILING TO 78" A.F.F. WITH CABLE GRIPS AND CORD MOUNTED 20A, 120V SINGLE RECEPTACLE, EACH OF SIX. SEE DETAIL 2-E7, THIS SHEET.
9. PROVIDE A SPECIAL PURPOSE RECEPTACLE, 480V, 20A, 4W.
10. PROVIDE A SPECIAL PURPOSE RECEPTACLE, 240V, 20A, 4W.



FOOD SERVICE EQUIPMENT
ELECTRIC PLAN
1/4" = 1'-0"

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LEE BROCKWAY REGISTERED NO. 10566 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

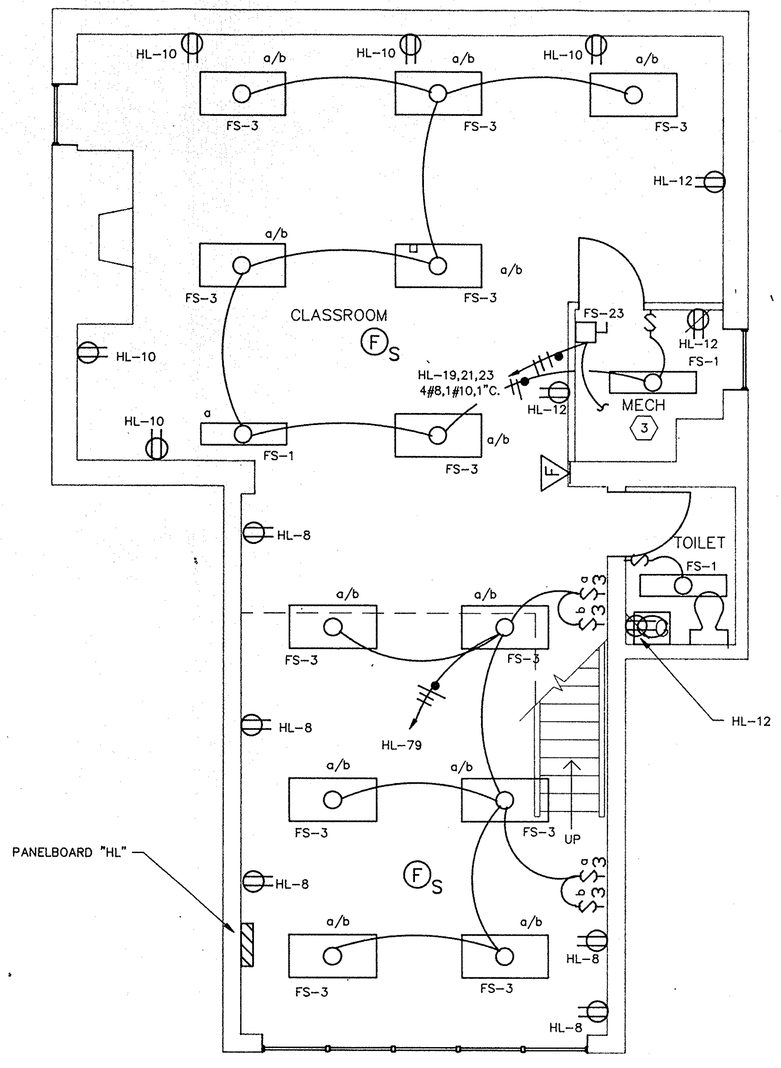
FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

KITCHEN PLAN

DRAWN BY: WRB COMM. NO.: 8712.00
CHECKED BY: AV DATE: JAN. 11, 1988
REVISIONS NO. DATE

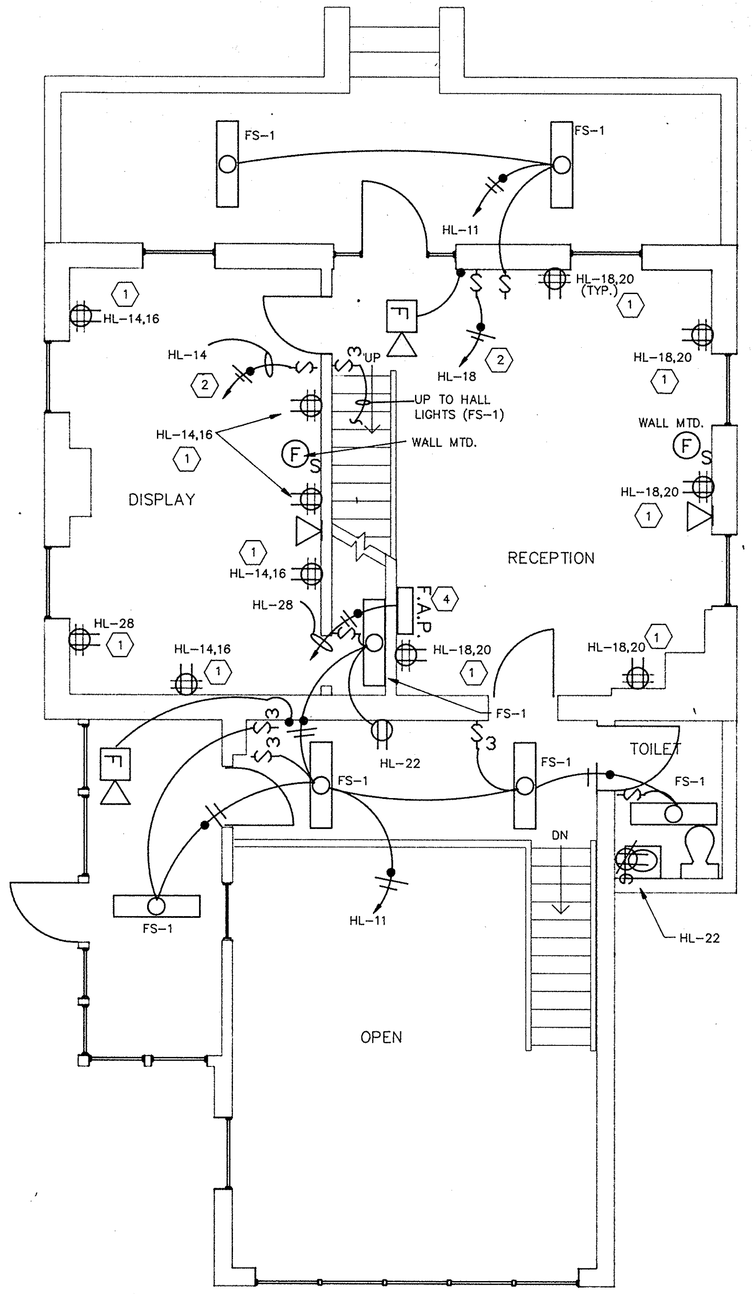
E-7

HARRIS TOWNSHIP ELEMENTARY SCHOOL



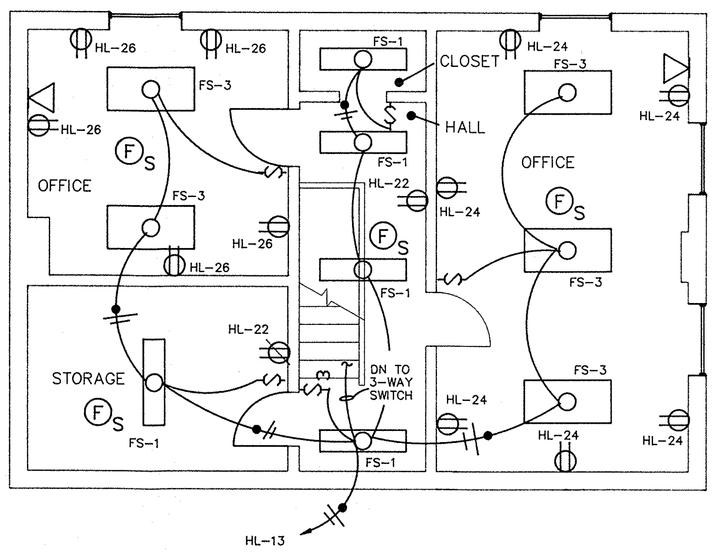
BASEMENT PLAN (UNDER ALT. #14)

SCALE 1/4"=1'-0"



MAIN FLOOR PLAN (UNDER ALT. #14)

SCALE 1/4"=1'-0"

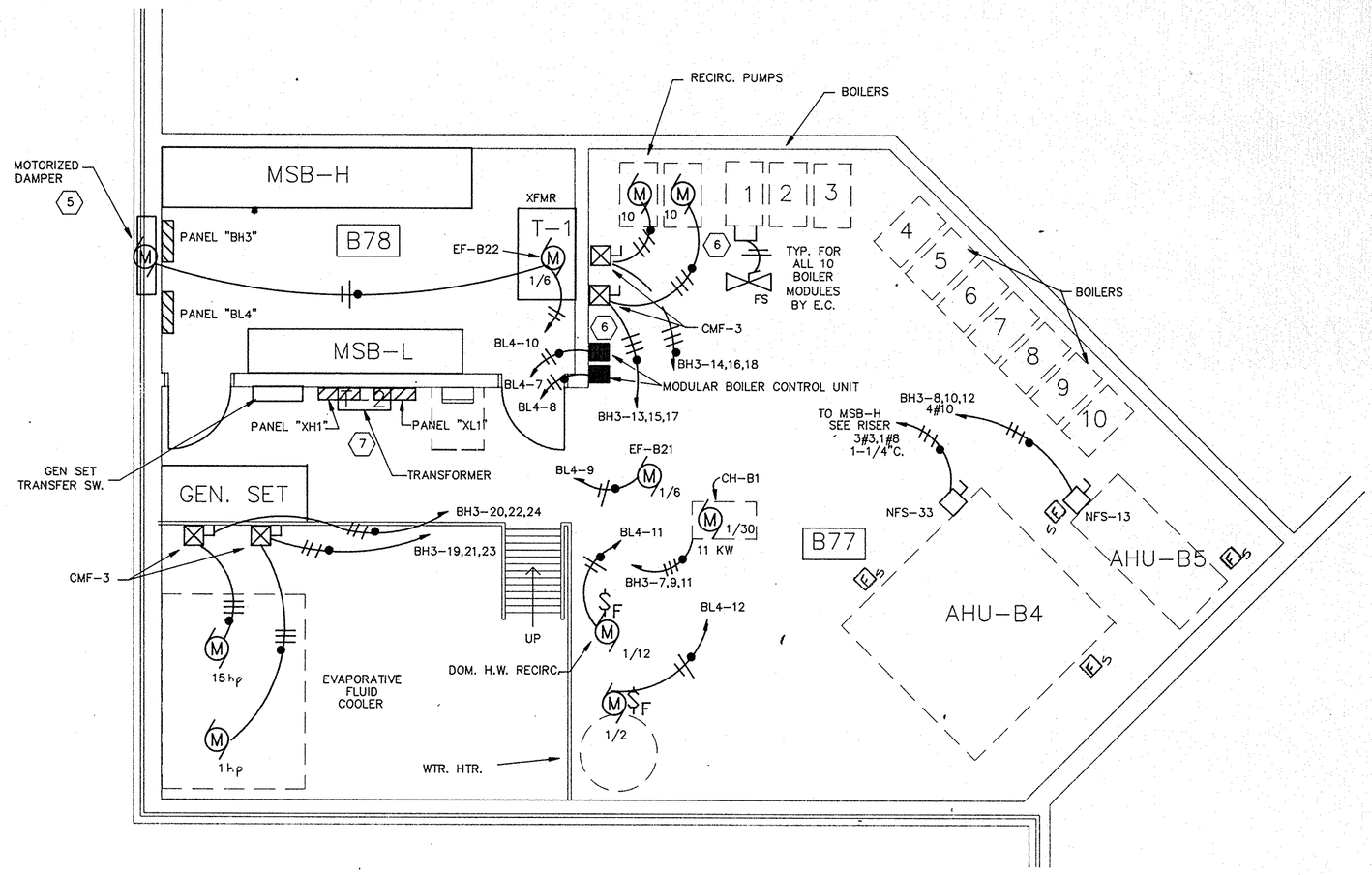


SECOND FLOOR PLAN (UNDER ALT. #14)

SCALE 1/4"=1'-0"

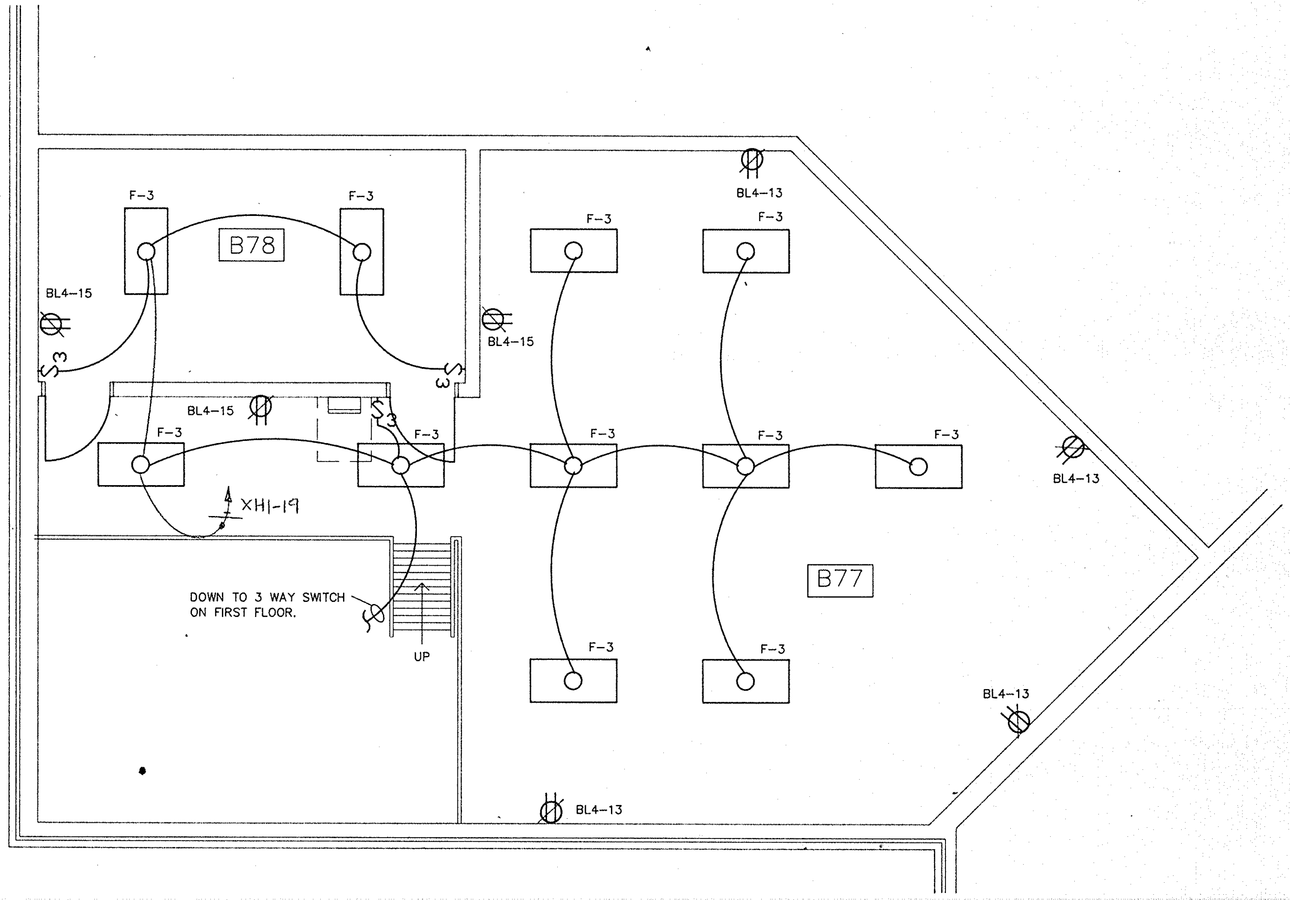
PLAN NOTES

1. WIRE EACH DUPLEX RECEPTACLE (OF EACH DOUBLE DUPLEX RECEPTACLE) TO A SEPARATE CIRCUIT. (I.E. ONE DUPLEX RECEPTACLE TO CIRCUIT HL-14 AND OTHER DUPLEX RECEPTACLE TO CIRC. HL-16.)
2. INDICATES LIGHT SWITCH CONTROLLING DUPLEX RECEPTACLE WIRED TO SAME CIRCUIT IN SAME ROOM. LABEL RECEPTACLE PLATE AS FOLLOWS: "CONTROLLED BY LIGHT SWITCH".
3. WIRE HEATING UNIT (EXISTING OR NEW) SEE MECHANICAL PLANS.
4. PROVIDE A SYMPLEX FIRE ALARM PANEL STYLE "B" 4001 SERIES WITH ALL MODULES & BATTERY BACK-UP, TO HANDLE 4 ZONES; ONE ZONE FOR SMOKE DETECTORS, ONE FOR PULL STATIONS AND 2 SPARE ZONES. REFER TO SPEC. SECTION 16721 FOR REQUIREMENTS.
5. INTERCONNECT MOTORIZED FRESH AIR DAMPER WITH EF-B22.
6. ALL INTER CONNECTING WIRING BETWEEN MODULAR BOILER CONTROL UNITS (2) AND BOILER MODULES (10) BY TEMP. CONTROL CONTRACTOR.
7. MOUNT TRANSFORMER ON THE WALL ABOVE PANELS. PROVIDE ALL NECESSARY MOUNTING BRACKETS.



ELECTRICAL/MECHANICAL MEZZANINE PLAN

SCALE 1/4" = 1'-0"



ELECTRICAL/MECHANICAL MEZZANINE PLAN

SCALE 1/4" = 1'-0"

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LEE BROCKWAY REGISTERED NO. 3866 STATE OF INDIANA ARCHITECT

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

ELECT./MECH. MEZZ. PLAN

DRAWN BY: MMS/JSH
CHECKED BY: AV
COMM. NO.: 8712.00
DATE: JAN. 11, 1988

REVISIONS NO. DATE

E-8

HARRIS TOWNSHIP ELEMENTARY SCHOOL

PANELBOARD — VOLTAGE: 3PH.4 WIRE + GRD — AMPS: 225
PLAN TYPE : BL6 208Y/120V NQOD SURFACE — ROOM :B7

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.	PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A	2	20	1	SPARE
SPARE	1	20	3	B	4	20	1	SPARE
SPARE	1	20	5	C	6	20	1	SPARE
RECPTS	1	20	7	A	8	20	1	RECPTS
RECPTS	1	20	9	B	10	20	1	RECPTS
RECPTS	1	20	11	C	12	20	1	RECPTS
RECPTS	1	20	13	A	14	20	1	RECPTS
RECPTS	1	20	15	B	16	20	1	RECPTS
RECPTS	1	20	17	C	18	20	1	RECPTS
RECPTS	1	20	19	A	20	20	1	RECPTS
RECPTS	1	20	21	B	22	20	1	RECPTS
RECPTS	1	20	23	C	24	20	1	RECPTS
RECPTS	1	20	25	A	26	20	1	RECPTS
RECPTS	1	20	27	B	28	20	1	RECPTS
RECPTS	1	20	29	C	30	20	1	RECPTS
RECPTS	1	20	31	A	32	20	1	RECPTS
RECPTS	1	20	33	B	34	20	1	RECPTS
RECPTS	1	20	35	C	36	20	1	RECPTS
RECPTS	1	20	37	A	38	20	1	RECPTS
RECPTS	1	20	39	B	40	20	1	RECPTS
RECPTS	1	20	41	C	42	20	1	SPARE

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA : 49.2
PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD — VOLTAGE: 3PH.4 WIRE + GRD — AMPS: 225
PLAN TYPE : BH4 480Y/277V NEHB SURFACE — ROOM :B66

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.	PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A	2	20	1	SPARE
SPARE	1	20	3	B	4	20	1	SPARE
SPARE	1	20	5	C	6	20	1	SPARE
HTB-B9.B12	3	30	7	A	8	20	3	CH-B8
			9	B	10			
			11	C	12			
CH-B10	3	20	13	A	14	30	3	HTP-B7.B8
			15	B	16			
			17	C	18			
CH-B9	3	20	19	A	20	40	3	AHU-B3
			21	B	22			
			23	C	24			
HTP-B5.B6	3	30	25	A	26	30	3	SPARE
			27	B	28			
			29	C	30			
HTP-B3	3	20	31	A	32	20	3	SPARE
			33	B	34			
			35	C	36			
HTP-B4	3	20	37	A	38	20	3	SPARE
			39	B	40			
			41	C	42			

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA : 103.6
PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD — VOLTAGE: 3PH,4 WIRE + GRD — AMPS: 225
PLAN TYPE : HL 208Y/120V NQOD SURFACE — ROOM :BASEMENT

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.	PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A	2	20	1	SPARE
SPARE	1	20	3	B	4	20	1	SPARE
SPARE	1	20	5	C	6	20	1	SPARE
LIGHTS	1	20	7	A	8	20	1	RECEPTS.
LIGHTS	1	20	9	B	10	20	1	RECEPTS.
LIGHTS	1	20	11	C	12	20	1	RECEPTS.
LIGHTS	1	20	13	A	14	20	1	RECEPTS.
SPARE	1	20	15	B	16	20	1	RECEPTS.
SPARE	1	20	17	C	18	20	1	RECEPTS.
HEATING UNIT	3	50	19	A	20	20	1	RECEPTS.
			21	B	22	20	1	RECEPTS.
			23	C	24	20	1	RECEPTS.
SPARE	1	20	25	A	26	20	1	RECEPTS.
SPARE	1	20	27	B	28	20	1	F.A. SYSTEM
SPARE	1	20	29	C	30	20	1	SPARE
	1		31	A	32	20	1	SPARE
	1		33	B	34	20	1	SPARE
	1		35	C	36	20	1	SPARE
	1		37	A	38		1	
	1		39	B	40		1	
	1		41	C	42		1	

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA : 21.1
PROJECT NAME : GRANGER ELEM. SCHOOL
WITH 200A MAIN CIRC. BRK.

PANELBOARD — VOLTAGE: 3PH.4 WIRE + GRD — AMPS:225
PLAN TYPE : BH2 480Y/277V NEHB SURFACE — ROOM :B75

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.	PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A	2	20	1	SPARE
SPARE	1	20	3	B	4	20	1	SPARE
SPARE	1	20	5	C	6	20	1	SPARE
LIGHTS	1	20	7	A	8	40	3	PUMP STATION (3) 5 HP
LIGHTS	1	20	9	B	10			
LIGHTS	1	20	11	C	12			
LIGHTS	1	20	13	A	14	40	3	STORM SEWER (2) 7.5 HP
LIGHTS	1	20	15	B	16			
LIGHTS	1	20	17	C	18			
LIGHTS	1	20	19	A	20	30	3	HTP-B13.B14
LIGHTS	1	20	21	B	22			
LIGHTS	1	20	23	C	24			
LIGHTS	1	20	25	A	26	30	3	HTP-B10.B11
LIGHTS	1	20	27	B	28			
LIGHTS	1	20	29	C	30			
LIGHTS	1	20	31	A	32	30	3	HTP-B2
LIGHTS	1	20	33	B	34			
LIGHTS	1	20	35	C	36			
LIGHTS	1	20	37	A	38	50	3	AHU-B2
			39	B	40			
			41	C	42			

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA : 136.4
PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD — VOLTAGE; 3PH,4 WIRE + GRD — AMPS:225 MLO
PLAN TYPE : KL1 208Y/120V NQOD FLUSH — ROOM :KITCHEN

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.	PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A	2	20	1	SPARE
SPARE	1	20	3	B	4	20	1	SPARE
SPARE	1	20	5	C	6	20	1	SPARE
AIR HANDLER	3	20	7	A	8	20	1	KITCH. HOOD LIGHTS
			9	B	10	20	1	EXH. FAN CONTROL
			11	C	12	20	1	DETERG. SYSTEM
JUICE COOLERS	1	20	13	A	14	30	2	HOT FOOD COUNTER
MILK COOLERS	1	20	15	B	16			
SOUP COUNTER	1	20	17	C	18	20	1	COLD FOOD COUNTER
HOT PLATE	2	30	19	A	20	20	1	REFRIG.
			21	B	22	20	2	FREEZER
WALK IN FREEZER	1	20	23	C	24			
COMPRESSOR	3	20	25	A	26	20	1	FOOD TRANSPORTER
			27	B	28	20	1	FOOD TRANSPORTER
			29	C	30	20	1	FOOD TRANSPORTER
FOOD TRANSPORTER	1	20	31	A	32	20	1	RECEPT.
FOOD TRANSPORTER	1	20	33	B	34	20	1	RECEPT.
CASH REGISTER	1	20	35	C	36	20	1	RECEPT.
COFFEE MAKER	1	20	37	A	38	20	1	RECEPT.
RECEPT.	1	20	39	B	40	20	1	RECEPT.
RECEPT.	1	20	41	C	42	20	1	RECEPT.

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA : 55.1
PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD — VOLTAGE: 3PH.4 WIRE + GRD — AMPS: 100
PLAN TYPE : XL1 208Y/120V NQOD SURFACE — ROOM :B77

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.	PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A	2	20	1	SPARE
SPARE	1	20	3	B	4	20	1	SPARE
SPARE	1	20	5	C	6	20	1	SPARE
"CS"	1	20	7	A	8	20	1	SPARE
"FAP"	1	20	9	B	10	20	1	SPARE
DIALER	1	20	11	C	12	20	1	SPARE
T.T.C.	1	20	13	A	14	20	1	SPARE
			15	B	16	20	1	SPARE
			17	C	18	20	1	SPARE
			19	A	20			
			21	B	22			
			23	C	24			

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA : ERR
PROJECT NAME : GRANGER ELEM. SCHOOL
WITH 80A MAIN CIRC. BRK.

PANELBOARD — VOLTAGE: 3PH.4 WIRE + GRD — AMPS: 225
PLAN TYPE : BH3 480Y/277V NEHB SURFACE — ROOM :B78

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.	PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A	2	20	1	SPARE
SPARE	1	20	3	B	4	20	1	SPARE
SPARE	1	20	5	C	6	20	1	SPARE
CH-B11	3	20	7	A	8	30	3	AHU-B5
			9	B	10			
			11	C	12			
CIRC. PUMPS	3	25	13	A	14	25	3	CIRC.PUMP
			15	B	16			
			17	C	18			
EVAP. COOLER PUMP	3	20	19	A	20	40	3	EVAP. COOLER FAN
			21	B	22			
			23	C	24			
UH-B1	3	30	25	A	26	20	3	AIR COMPRESSOR
			27	B	28			
			29	C	30			
CH-B5.B6	3	30	31	A	32	40	3	HTP-B1
			33	B	34			
			35	C	36			
CH-B7	3	20	37	A	38	40	3	HTP-B2
			39	B	40			
			41	C	42			

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA : 148.2
PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD — VOLTAGE: 3PH.4 WIRE + GRD — AMPS: 225MLO
PLAN TYPE : KH1 480Y/277V NEHB FLUSH — ROOM :KITCHEN

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.	PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A	2	20	1	SPARE
SPARE	1	20	3	B	4	20	1	SPARE
SPARE	1	20	5	C	6	20	1	SPARE
DISHWASHER	3	20	7	A	8	20	3	DISPOSER
			9	B	10			
			11	C	12			
DISHWASHER	3	20	13	A	14	50	3	DISHWASHER
			15	B	16			
			17	C	18			
BOOSTER HEATER	3	60	19	A	20	20	3	CONVEC. OVEN
			21	B	22			
			23	C	24			
LIGHTS	1	20	25	A	26	40	3	CH-B2
LIGHTS	1	20	27	B	28			
CH-B4	1	30	29	C	30			
CH-B1	1	30	31	A	32	20	3	CH-B3
SPARE	1	20	33	B	34			
SPARE	1	20	35	C	36			
SPARE	1	20	37	A	38	20	3	SPARE
SPARE	1	20	39	B	40			
SPARE	1	20	41	C	42			

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA : 146.2
PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD — VOLTAGE: 3PH.4 WIRE + GRD — AMPS: 100
PLAN TYPE : XH1 480Y/277V NEHB SURFACE — ROOM :B77

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.	PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A	2	20	1	SPARE
SPARE	1	20	3	B	4	20	1	SPARE
SPARE	1	20	5	C	6	20	1	SPARE
TRANSF. "T-2"	3	40	7	A	8	20	1	LTS. UNIT A
			9	B	10	20	1	LTS. UNIT B
			11	C	12	20	1	GYM LIGHTS
WATER WELL 15 HP	3	40	13	A	14	20	1	GYM LIGHTS
			15	B	16	20	1	DINING LTS.
			17	C	18	20	1	DINING LTS.
LIGHTS	1	20	19	A	20	20	1	SPARE
SPARE	1	20	21	B	22	20	1	SPARE
SPARE	1	20	23	C	24	20	1	SPARE
			25	A	26			
			27	B	28			
			29	C	30			

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA : ERR
PROJECT NAME : GRANGER ELEM. SCHOOL
WITH 60A MAIN CIRC. BRK.

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LEE BROADWAY REGISTERED STATE OF INDIANA ARCHITECT No. 10661

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

FANNING/HOWEY ASSOCIATES, Inc.
ARCHITECTS / ENGINEERS / CONSULTANTS

PANELBOARD SCHEDULES

DRAWN BY: AV — COMM. NO.: 8712.00
CHECKED BY: AV — DATE: JAN. 11, 1988

REVISIONS NO. DATE

E-11

HARRIS TOWNSHIP ELEMENTARY SCHOOL

PANELBOARD PLAN TYPE : AL1	VOLTAGE: 3PH,4 WIRE + GRD 208Y/120V NQOD SURFACE	AMPS: 225 ROOM :A50

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.		PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A		2	20	1	SPARE
SPARE	1	20	3		B	4	20	1	SPARE
SPARE	1	20	5			6	20	1	SCHOOL SIGN
RECEPT.	1	20	7	A		8	20	1	RECEPT.
RECEPT.	1	20	9		B	10	20	1	LIGHTS
RECEPT.	1	20	11			12	20	1	RECEPT.
RECEPT.	1	20	13	A		14	20	1	RECEPT.
RECEPT.	1	20	15		B	16	20	1	RECEPT.
RECEPT.	1	20	17			18	20	1	RECEPT.
RECEPT.	1	20	19	A		20	20	1	RECEPT.
RECEPT.	1	20	21		B	22	20	1	RECEPT.
RECEPT.	1	20	23			24	20	1	RERIG.
RECEPT.	1	20	25	A		26	20	1	RECEPT.
RECEPT.	1	20	27		B	28	20	1	RECEPT.
RECEPT.	1	20	29			30	20	1	RECEPT.
RECEPT.	1	20	31	A		32	20	1	RECEPT.
RECEPT.	1	20	33		B	34	20	1	EF'S
RECEPT.	1	20	35			36	20	1	EF'S
RECEPT.	1	20	37	A		38	20	1	SPARE
RECEPT.	1	20	39		B	40	20	1	SPARE
RECEPT.	1	20	41			42	20	1	MC'S

FEED FROM : SEE RISER
FEED SIZE : SEE RISER
CONNECTED LOAD KVA ; 47.6

PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD PLAN TYPE : AL2	VOLTAGE: 3PH,4 WIRE + GRD 208Y/120V NQOD SURFACE	AMPS: 225 ROOM :A26

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.		PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A		2	20	1	SPARE
SPARE	1	20	3		B	4	20	1	SPARE
SPARE	1	20	5			6	20	1	SPARE
RECEPT.	1	20	7	A		8	20	1	RECEPT.
RECEPT.	1	20	9		B	10	20	1	RECEPT.
RECEPT.	1	20	11			12	20	1	RECEPT.
RECEPT.	1	20	13	A		14	20	1	RECEPT.
RECEPT.	1	20	15		B	16	20	1	RECEPT.
RECEPT.	1	20	17			18	20	1	RECEPT.
RECEPT.	1	20	19	A		20	20	1	RECEPT.
RECEPT.	1	20	21		B	22	20	1	RECEPT.
RECEPT.	1	20	23			24	20	1	RECEPT.
RECEPT.	1	20	25	A		26	20	1	RECEPT.
RECEPT.	1	20	27		B	28	20	1	D.F.C.
RECEPT.	1	20	29			30	20	1	RECEPT.
RECEPT.	1	20	31	A		32	50	3	KILN
RECEPT.	1	20	33		B	34			
RECEPT.	1	20	35			36			
RECEPT.	1	20	37	A		38	20	1	RECEPT.
RECEPT.	1	20	39		B	40	20	1	RECEPT.
RECEPT.	1	20	41			42	20	1	RECEPT.

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA ; 51.6

PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD PLAN TYPE : AL3	VOLTAGE: 3PH,4 WIRE + GRD 208Y/120V NQOD SURFACE	AMPS: 225 ROOM :A26

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.		PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A		2	20	1	SPRAY BOOTH EF-A12
SPARE	1	20	3		B	4	20	1	
SPARE	1	20	5			6	20	1	EXH. FANS
RECEPT.	1	20	7	A		8	20	1	RECEPT.
RECEPT.	1	20	9		B	10	20	1	RECEPT.
REFRIG.	1	20	11			12	20	1	RECEPT.
RECEPT.	1	20	13	A		14	50	2	RANGE
RECEPT.	1	20	15		B	16			
RECEPT.	1	20	17			18			RERIG.
RECEPT.	1	20	19	A		20	20	1	RECEPT.
SPRAY BOOTH	1	20	21		B	22	20	1	RECEPT.
RECEPT.	1	20	23			24	20	1	RECEPT.
RECEPT.	1	20	25	A		26	20	1	RECEPT.
RECEPT.	1	20	27		B	28	20	1	RECEPT.
RECEPT.	1	20	29			30	20	1	RECEPT.
KILN	3	50	31	A		32	20	1	RECEPT.
			33		B	34	20	1	RECEPT.
			35			36	20	1	RECEPT.
RANGE	2	50	37	A		38	20	1	RIFRIG.
			39		B	40	20	1	RECEPT.
			41			42	20	1	RECEPT.

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA ; 54.4

PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD PLAN TYPE : AH1	VOLTAGE: 3PH,4 WIRE + GRD 480Y/277V NEMB SURFACE	AMPS: 225 ROOM :A50

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.		PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A		2	20	1	SPARE
SPARE	1	20	3		B	4	20	1	SPARE
SPARE	1	20	5			6	20	1	SPARE
LTS	1	20	7	A		8	20	1	LTS
LTS	1	20	9		B	10	20	1	LTS
LTS	1	20	11			12	20	1	LTS
LTS	1	20	13	A		14	20	1	LTS
LTS	1	20	15		B	16	20	1	LTS
LTS	1	20	17			18	20	1	LTS
LTS	1	20	19	A		20	20	1	LTS
LTS	1	20	21		B	22	20	1	LTS
LTS	1	20	23			24	20	1	LTS
LTS	1	20	25	A		26	20	1	LTS
LTS	1	20	27		B	28	20	1	SPARE
LTS	1	20	29			30	20	1	SPARE
LTS	1	20	31	A		32	30	3	HTP-A5,A6
PARK. LOT LIGHTS	1	20	33		B	34			
PARK. LOT LIGHTS	1	20	35			36			
PARK. LOT LIGHTS	1	20	37	A		38	20	3	CH-A3
PARK. LOT LIGHTS	1	20	39		B	40			
PARK. LOT LIGHTS	1	20	41			42			

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA ; 103.9

PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD PLAN TYPE : AH2	VOLTAGE: 3PH,4 WIRE + GRD 460Y/277V NEHB SURFACE	AMPS: 225 ROOM :A26

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.		PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A		2	20	1	SPARE
SPARE	1	20	3		B	4	20	1	SPARE
SPARE	1	20	5			6	20	1	SPARE
HTP-A2,A3	3	30	7	A		8	30	3	HTP-A7,A8
			9		B	10			
			11			12			
HTP-A12,A13	3	30	13	A		14	40	3	AHU-A1
			15		B	16			
			17			18			
HTP-A9,A10	3	30	19	A		20	20	1	HTP-A11
			21		B	22	20	1	HTP-B24
			23			24	20	1	SPARE
HTP-A1	3	30	25	A		26	20	3	CH-A2
			27		B	28			
			29			30			
CH-A1	3	20	31	A		32	30	3	HTP-14,15
			33		B	34			
			35			36			
HTP-A16,A18	3	30	37	A		38	40	3	AHU-A2
			39		B	40			
			41			42			

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA ; 167.6

PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD PLAN TYPE : BL1	VOLTAGE: 3PH,4 WIRE + GRD 208Y/120V NQOD SURFACE	AMPS: 225 ROOM :B76

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.		PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A		2	20	1	SPARE
SPARE	1	20	3		B	4	20	1	SPARE
SPARE	1	20	5			6	20	1	SPARE
RECPTS	1	20	7	A		8	20	1	RECPTS
RECPTS	1	20	9		B	10	20	1	RECPTS
RECPTS	1	20	11			12	20	1	RECPTS
RECPTS	1	20	13	A		14	20	1	RECPTS
RECPTS	1	20	15		B	16	20	1	RECPTS
RECPTS	1	20	17			18	20	1	RECPTS
RECPTS	1	20	19	A		20	20	1	RECPTS
RECPTS	1	20	21		B	22	20	1	RECPTS
RECPTS	1	20	23			24	20	1	RECPTS
RECPTS	1	20	25	A		26	20	1	RECPTS
RECPTS	1	20	27		B	28	20	1	RECPTS
RECPTS	1	20	29			30	20	1	RECPTS
RECPTS	1	20	31	A		32	20	1	RECPTS
RECPTS	1	20	33		B	34	20	1	RECPTS
RECPTS	1	20	35			36	20	1	RECPTS
RECPTS	1	20	37	A		38	20	1	RECPTS
RECPTS	1	20	39		B	40	20	1	RECPTS
RECPTS	1	20	41			42	20	1	RECPTS

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA ; 49.2

PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD PLAN TYPE : BL2	VOLTAGE: 3PH,4 WIRE + GRD 208Y/120V NQOD SURFACE	AMPS: 225 ROOM :B75

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.		PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A		2	20	1	SPARE
SPARE	1	20	3		B	4	20	1	SPARE
RECEPT LIGHTS	1	20	5			6	20	1	SPARE
RECPTS	1	20	7	A		8	20	1	RECPTS
RECPTS	1	20	9		B	10	20	1	RECPTS
RECPTS	1	20	11			12	20	1	RECPTS
RECPTS	1	20	13	A		14	20	1	RECPTS
RECPTS	1	20	15		B	16	20	1	RECPTS
RECPTS	1	20	17			18	20	1	RECPTS
RECPTS	1	20	19	A		20	20	1	RECPTS
RECPTS	1	20	21		B	22	20	1	RECPTS
RECPTS	1	20	23			24	20	1	RECPTS
RECPTS	1	20	25	A		26	20	1	RECPTS
RECPTS	1	20	27		B	28	20	1	HAIR DRYER
RECPTS	1	20	29			30	20	1	HAIR DRYER
RECPTS	1	20	31	A		32	20	1	RECPTS
RECPTS	1	20	33		B	34	20	1	SCOREBOARD E.F.'S
RECPTS	1	20	35			36	20	1	
RECPTS	1	20	37	A		38	20	1	RECPTS
RECPTS	1	20	39		B	40	20	1	RECPTS
RECPTS	1	20	41			42	20	1	E. FANS

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA ; 49.2

PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD PLAN TYPE : BH1	VOLTAGE: 3PH,4 WIRE + GRD 480Y/277V NEHB SURFACE	AMPS: 225 ROOM :B76

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.		PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A		2	20	1	SPARE
SPARE	1	20	3		B	4	20	1	SPARE
SPARE	1	20	5			6	20	1	SPARE
STAGE LIGHTS	1	20	7	A		8	20	1	STAGE LIGHTS
			9		B	10	20	1	
			11			12	20	1	
SPARE W.C.	1	20	13	A		14	20	1	EXH. FAN
			15		B	16	20	1	EXH. FAN
			17			18	20	1	RECPTS
W.C. RECPTS	1	20	19	A		20	20	1	RECPTS
			21		B	22	20	1	RECPTS
			23			24	20	1	RECPTS
SPARE	1	20	25	A		26	20	1	RECPTS
			27		B	28	20	1	RECPTS
			29			30	20	1	RECPTS
	1	20	31	A		32	20	1	SPARE
	1	20	33		B	34	20	1	
	1	20	35			36	20	1	
	1	20	37	A		38	20	1	
	1	20	39		B	40	20	1	
	1	20	41			42	20	1	

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA ; 49.2

PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD PLAN TYPE : BL4	VOLTAGE: 3PH,4 WIRE + GRD 208Y/120V NQOD SURFACE	AMPS: 225 ROOM : B76

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.		PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A		2	20	1	SPARE
SPARE	1	20	3		B	4	20	1	SPARE
SPARE	1	20	5			6	20	1	SPARE
BOILER CONTROL EF-B21	1	20	7	A		8	20	1	BOILER CONTROL EF-B22
DOM. H.W. PUMP	1	20	9		B	10	20	1	WATER HTR.
			11			12	20	1	
RECPTS	1	20	13	A		14	20	3	HOIST (1HP)
RECPTS	1	20	15		B	16	20		
			17			18	20		
MANAG PAN. SPARE			19	A		20	20	3	SPARE
			21		B	22	20		
			23			24	20		
			25	A		26	20		
			27		B	28	20		
			29			30	20		
			31	A		32	20		
			33		B	34	20		
			35			36	20		
			37	A		38	30		
			39		B	40	30		
			41			42	30		

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA ; 13.3

PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD PLAN TYPE : BL5	VOLTAGE: 3PH,4 WIRE + GRD 208Y/120V NQOD SURFACE	AMPS: 225 ROOM : B76

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.		PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A		2	20	1	SPARE
SPARE	1	20	3		B	4	20	1	SPARE
SPARE	1	20	5			6	20	1	SPARE
CARRELS	1	20	7	A		8	20	1	DATA RACK
CARRELS	1	20	9		B	10	20	1	DATA RACK
CARRELS	1	20	11			12	20	1	DATA RACK
RECPTS	1	20	13	A		14	20	1	DATA RACK
CARRELS	1	20	15		B	16	20	1	RECPTS
CARRELS	1	20	17			18	20	1	TV RACK
RECPTS	1	20	19	A		20	20	1	SATTELITE DISH
RECPTS	1	20	21		B	22	20	1	EF
WATER COOLER	1	20	23			24	20	1	EF-B16
EF	1	20	25	A		26	20	1	RECEPTACLES
EF	1	20	27		B	28			
SPARE	1	20	29			30			
SPARE	1	20	31	A		32			
			33		B	34			
			35			36			
			37	A		38			
			39		B	40			
			41			42			

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA ; 21.6

PROJECT NAME : GRANGER ELEM. SCHOOL

PANELBOARD PLAN TYPE : BH1	VOLTAGE: 3PH,4 WIRE + GRD 480Y/277V NEHB SURFACE	AMPS: 225 ROOM : B76

LOAD DESCRIPTION	C/B POLES	C/B AMPS	CIR. NO.		PHASE	CIR. NO.	C/B AMPS	C/B POLES	LOAD DESCRIPTION
SPARE	1	20	1	A		2	20	1	SPARE
SPARE	1	20	3		B	4	20	1	SPARE
SPARE	1	20	5			6	20	1	SPARE
LIGHTS	1	20	7	A		8	20	3	HTP-A17
LIGHTS	1	20	9		B	10			
LIGHTS	1	20	11			12			
LIGHTS	1	20	13	A		14	20	3	FOUNTAIN 7.5
LIGHTS	1	20	15		B	16			
LIGHTS	1	20	17			18			
LIGHTS	1	20	19	A		20	20	3	CH-B9
LIGHTS	1	20	21		B	22			
LIGHTS	1	20	23			24			
LIGHTS HTB-B21	1	20	25	A		26	30	3	HTB-B18,B19
SPARE	1	20	27		B	28			
	1	20	29			30			
HTB-B22,B23	3		31	A		32	30	3	HTB-B16,B17
			33		B	34			
			35			36			
HTB-B20,B25	3	30	37	A		38	40	3	AHU-B1
			39		B	40			
			41			42			

FEED FROM : SEE RISER
FEED SIZE :
CONNECTED LOAD KVA ; 130.4

PROJECT NAME : GRANGER ELEM. SCHOOL

LIGHT FIXTURE SCHEDULE

PROJECT NAME : GRANGER ELEMENTARY SCHOOL

PLAN TYPE	MANUFACTURER	MOUNTING	LAMPS NO.	LAMPS WATTS	LAMPS TYPE/LU	APPLIED VOLTAGE	REMARKS
F-S0	LITECONTROL P166N24 SERIES MARK PM66-SYM-I SERIES NEORAY SERIES 30/2	SUSP	2	100	F40CW 3150	277	4' LONG SYMMETRICAL SUSPENDED FLUOR FIXT. WITH 2' STEMS.
F-S1	LITECONTROL P166N48 SERIES MARK PM66-SYM-I SERIES NEORAY SERIES 30	SUSP	4	200	F40CW 3150	277	8' LONG SYMMETRICAL SUSPENDED FLUOR FIXT. WITH 2' STEMS. WIRE LAMPS ON SAME SIDE TO SAME BALLAST. SEE DRWG
F-3P OR F-3PX	DAY-BRITE PGA324-P18524 KEENE DPS-2G-18DS-340 LITHONIA 2PM3GB-340-18	REC	3	150	F40CW 3150	277	2'X4' LAY-IN FLUOR. PARABOLIC FIXTURE WITH SEMI-SPECULAR ALUMINUM LOUVER 3" LOUVER DEPTH
F-4P	DAYBRITE PGA424-P32524 KEENE DPS-2G-32DS-440 LITHONIA 2PML6B440-32	REC	4	200	F40CW 3150	277	2'X4' LAY-IN FLUOR. PARABOLIC FIXTURE WITH SEMI-SPECULAR ALUMINUM LOUVER 3" LOUVER DEPTH
FF-22 OR FF-22X	KEENE NRTS-2-GVA-2U4 LITHONIA SPG2U40A12 DAY-BRITE SG222-SFS21C	REC. FLANGE	2	100	F40-CW/ U/6 2875	277	2'X4' FLANGE FLOUR. FIXT. WITH STEEL FRAME DOOR AND ACRYLIC PRISMATIC LENS KSH-12.125
FF-3 OR FF-3X	LITHONIA 2SPF340A12 DAY-BRITE SF243-SR12D KEENE NRTS-2F-VA-340	REC. FLANGE	3	150	F40CW 3150	277	2'X4' FLANGE FLOUR. FIXT. WITH STEEL FRAME DOOR AND ACRYLIC PRISMATIC LENS KSH-12.125
FS-S1	LITE CONTROL SD66N24RS LOUISEVILLE DDT240 LITHONIA SS240-AS LUMAX SST240-AR	VALANCE MTD.	2	100	F40CW 3150	277	4' FLOUR. STAGGERED FIXT. WITH ASYMETRIC REFLECTOR.
FS-S2	DAYBRITE C240 KEENE CS240-RS LITHONIA C240	IN DISP. CASE OR VALANCE	2	100	F40CW 3150	120 OR 277	4' FLOUR. STRIP
FUC-3	LUMAX UC-140-RS OR APPROVED EQUAL	UNDER CABINET MTD	1	50	F40CW 3150	277	4' FLOUR. FIXTURE MTD. UNDER CABINET
FW-4 OR FW-4X	GUTH FG1-2444G-1TAK2 MORLITE TGWL-244-RS NU-ART RRL440-RS N.L. TGL2A12T4R/SS/WL	REC	4	200	F40CW 3150	277	2'X4' LAY-IN FLUOR. FIXTURE WITH DOUBLE GASKETED DOOR. U.L. LISTED FOR WET LOCATION.
P-1	Q.L. 123-2S-S-1-400HPS-FD KEENE SAF-405-LXA-400HPS LITHONIA KCS400SPR12SF AAL ALR186-1A-400HPS-BRZ	POLE	1	465	LU400 S0000	277	400 HPS FIXTURE MOUNTED ON POLE P-2A. REFER TO DWGS. FOR EXACT LIGHTING DISTRIBUTIONTYPE II,V,FWD THROW,ETC.)
P-2	SAME AS P1 EXCEPT 2 HEAD FIXTURE. REFER TO DRWGS FOR HEAD MOUNT'G. CONFIG.	POLE	2	930	LU400 S0000	277	400 HPS FIXTURE MOUNTED ON POLE P-2A. REFER TO DWGS. FOR EXACT LIGHTING DISTRIBUTIONTYPE II,V,FWD THROW,ETC.)
P-2A	Q.L. 800-30-SL-BC-8-D1/D2 KW SSP30-B83/FB1000/FB2190 HI-TEK S92-9630DM19 (POLES LISTED ABV. SHALL BE TAPERED)						POLE FOR FIXTURES P-1,P-2 SEE MTG. DETAIL ON SHEET E1. PROVIDE TAPERED STEEL POLE
P-3	KLP SAR253LXF OR APPROVED EQUAL	POLE	1	250	LU250 27500	277	250 HPS FIXT. MTD. ON A 15 FOOT SQUARE POLE.. MOUNTED ON POLE P-3A
P-3A	KW SSP15-4.0-7 OR APPROVED EQUAL						15 FOOT SQUARE POLE SAME FINISH OF FIXTURE "P-3" AND POLE "P-2A"
T-1	TLI RXT/XTS-45W LIGHTOLIER 6326 SERIES LITHONIA TD-30WH CAPRI KT-8 SERIES	TRACK	1	100	100R/FL 1750	130	FIXTURE MOUNTED ON TRACK WITH WHITE FINISH. NUMBER OF HEADS PER DRAWINGS.
T-1A	CAPRI KT-320 SERIES LIGHTOLIER 7515 SERIES LITHONIA T-WH SERIES TLI-EQUAL	REC				120	TRACK FOR FIXTURE T-1. LENGTH PER DRAWINGS PROVIDE ALL NECESSARY FITTINGS
XB-1	EMERGI-LITE BX-24G DYNARAY UX-ALL DUAL LITE SERIES X2100 LITHONIA EPIGELN SERIES	WALL	2	15	15T6.5	277	SINGLE OR DOUBLE FACE ARROWS PER DWGS. UNIVERSAL MTG. POWER BY EMERGENCY PANEL.
XB-2	EMERGI-LITE BX-24G DYNARAY UX-ALL DUAL LITE SERIES X2100 LITHONIA EPIGELN SERIES	CEILING	2	15	15T6.5	277	SINGLE OR DOUBLE FACE ARROWS PER DWGS. UNIVERSAL MTG. POWER BY EMERGENCY PANEL.

LIGHT FIXTURE SCHEDULE

PROJECT NAME : GRANGER ELEMENTARY SCHOOL

PLAN TYPE	MANUFACTURER	MOUNTING	LAMPS NO.	LAMPS WATTS	LAMPS TYPE/LU	APPLIED VOLTAGE	REMARKS
F-1 OR F-1X	KEENE NRTS-1-GVA-240 LITHONIA SPG240A12 DAY-BRITE SG142-SFA21A	REC	2	100	F40CW 3150	277	1'X4' LAY-IN FLUOR. FIXTURE WITH STEEL FRAME DOOR AND ACRYLIC PRISMATIC LENS KSH-12.125
F-3 OR F-3X	KEENE NRTS-2-GVA-340 LITHONIA 2SPG340A12 DAY-BRITE SG243-SFS21D	REC	3	150	F40CW 3150	277	2'X4' LAY-IN FLUOR. FIXTURE WITH STEEL FRAME DOOR AND ACRYLIC PRISMATIC LENS KSH-12.125
F-4 OR F-4X	DAY-BRITE SG244-SFS21D KEENE NRTS-2-GVA-440 LITHONIA 2SPG440A12	REC	4	200	F40CW 3150	277	2'X4' LAY-IN FLUOR. FIXTURE WITH STEEL FRAME DOOR AND ACRYLIC PRISMATIC LENS KSH-12.125
F-22	KEENE NRTS-2-GVA-2U4 LITHONIA SPG2U40A12 DAY-BRITE SG222-SFS21C	REC	2	100	F40CW/ U/6 2875	277	2'X2' LAY-IN FLUOR. FIXTURE WITH STEEL FRAME DOOR AND ACRYLIC PRISMATIC LENS KSH-12.125
FWF-1	MORLITE FWL-142-RS GUTH FG1-1424F-1TAK2 NU-ART RRB240RS N.L. XTFLISSA12248/36/WL	REC FLANGE	2	100	F40CW 3150	277	1'X4' FLANGE FLUOR. FIXTURE WITH DOUBLE GASKETED DOOR. U.L. LISTED FOR WET LOCATION
FR-2	DAY-BRITE WA142 KEENE DA240 LITHONIA WA240A	SURF./ SUSP.	2	100	F40CW 3150	277	4' WRAP AROUND FLUORESCENT FIXTURE.
FR-4	DAY-BRITE WA142 KEENE DA440 LITHONIA WA440A	SURF./ SUSP.	4	200	F40CW 3150	277	4' WRAP AROUND FLUORESCENT FIXTURE.
FO-1	LITHONIA A913FAR-TW-BH OR APPROVED EQUAL	REC	2	13	F13T7/ 27K 900	277	9" OPEN SPECULAR CLEAR ALZA REFLECT. FLUOR. FIXT. W/2 TUBE FLOUR. LAMPS. HIGH POW FACTOR (90%)
FS-1	LITHONIA M240MA KLP NRTS1SVA240 OR APPROVED EQUAL	SURF.	2	100	F40CW 3150	277 OR 120	1'X4' SURFACE MOUNT FLOUR. FIXTURE WITH STEEL FRAME DOOR AND ACRYLIC PRISMATIC KSH-12.125 SEE DWG. FOR VOL
FS-3	KLPLRTSLSVA340 OR APPROVED EQUAL	SURF.	3	150	F40CW 3150	277 OR 120	2'X4' SURFACE MOUNT FLOUR. FIXTURE WITH STEEL FRAME DOOR AND ACRYLIC PRISMATIC KSH-12.125 SEE DWG. FOR VOL
FW-1	N.L. XTGL1SSA12248/36/WL OR APPROVED EQUAL	REC.	2	100	F40CW 3150	277	1'X4' LAY-IN FLUOR. FIXT. WITH DOUBLE GASKETED DOOR. U.L. LISTED FOR WET LOCATION
K-1	TLI IN7/B71 LITHONIA A8BMB NL R5056	REC.	1	200	200A 4010	130	DOWN LIGHT WITH A CLEAR REFLECTOR AND A BAFFLE.
M-1 OR M-1Q	HOLOPHANE PRSL-400MHTNDB37-F1-08219-W

OVERALL LAYOUT PLAN

SCALE: 1" = 50'-0"

NORTH

FANNING/HOWEY ASSOCIATES, Inc.

ARCHITECTS / ENGINEERS / CONSULTANTS

A NEW ELEMENTARY SCHOOL
FOR
HARRIS TOWNSHIP
FOR THE
PENN-HARRIS-MADISON SCHOOL CORPORATION
GRANGER, INDIANA

JAMES K. PERK, JR. 7-1-82 No. L0083 STATE OF INDIANA LANDSCAPE ARCHITECT

LEE BROCKWAY REGISTERED No. 6866 STATE OF INDIANA ARCHITECT

OVERALL LAYOUT PLAN

DRAWN BY:
CHECKED BY:
COMM. NO.: 8712.00
DATE: . , 1987

REVISIONS NO. DATE
1 JULY 14, 1988 RELOCATE CHAIN LINK FENCE ALONG EAST PROPERTY LINE.

G-1

PROPERTY LINE

PROPOSED 40' R.O.W.

GAS

GAS SERVICE BY NIPSCO

4" SCH. 80 PVC WATER MAIN @ 5'-0" DEPTH, PIPING & METER TO BE USED ALL STATE & CO. OF HEALTH REQUIREMENTS.

FUTURE WALK

TYP. ALONG OUTFIELDS

ELEV. 792.5

RIDGE 793.5

1.5%

1.5%

2%

2%

2%

RIDGE 793.4

EDGE OF FIELD 89.2

SEE SHT. G-10 FOR GRADING AROUND HOUSE.

House

A.D. RIM 87.2

INV. 83.5

CLEAN OUT TO GRADE

SEE DTL. 2 ON SHT. G-9 FOR WATER LINE OUTLET.

STUB 4"ϕ LINE INTO M.H. AT INV. 788.0 FOR PEA GRAVEL DRAINAGE

M.H. RIM 792.38

INV. 86.88

INV. 87.38

INV. 87.68

INV. 88.18

INV. 88.68

INV. 89.18

INV. 89.68

INV. 90.18

INV. 90.68

INV. 91.18

INV. 91.68

INV. 92.18

INV. 92.68

INV. 93.18

INV. 93.68

INV. 94.18

INV. 94.68

INV. 95.18

INV. 95.68

INV. 96.18

INV. 96.68

INV. 97.18

INV.