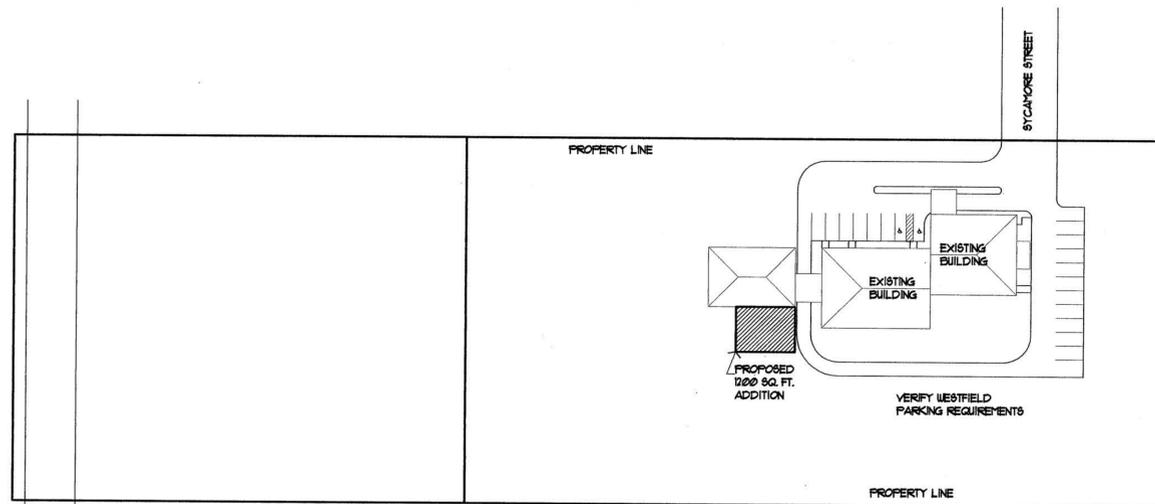


ADDITION MONTESSORI SCHOOL

800 SYCAMORE STREET
WESTFIELD, INDIANA



ARCHITECTURAL SITE PLAN
SCALE: NOT TO SCALE

GENERAL REQUIREMENTS

ALL WORK IS TO BE DONE IN ACCORDANCE WITH ALL GOVERNING CODES AND REGULATING AGENCIES. THIS PROJECT IS DESIGNED AND DOCUMENTED PER THE ARCHITECT'S INTERPRETATION OF THE CODE REQUIREMENTS. VARIOUS GOVERNING AGENCIES SOMETIMES INTERPRET THE CODES, LAWS AND ORDINANCES DIFFERENTLY. THESE AGENCIES HAVE JURISDICTION TO REQUIRE CHANGES IN DESIGN AND CONSTRUCTION INCLUDING THOSE AGENCIES INVOLVED WITH THE 'AMERICANS WITH DISABILITIES ACT'.

GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL SCRUTINIZE ALL DRAWING SHEETS TO DETERMINE THE FULL EXTENT OF THE RESPONSIBILITIES FOR EACH TRADE.

GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT AND BRING ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITION TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.

CONTACT RESPECTIVE UTILITY COMPANIES FOR EXACT LOCATION OF APPLICABLE UTILITIES AND TAKE NECESSARY PRECAUTIONS TO PROTECT UTILITIES BELOW GROUND AND ABOVE GROUND AND TO NOT INTERRUPT SERVICE TO TENANT.

THE CONTRACTOR SHALL MAKE ADVANCE ARRANGEMENTS WITH THE PROPERTY OWNER / LANDLORD FOR ANY WORK WHICH WILL AFFECT THE OPERATIONS OF NEARBY TENANTS.

THE CONTRACTOR SHALL MAKE ADVANCE ARRANGEMENTS WITH THE PROPERTY OWNER / LANDLORD FOR ANY WORK NOT DURING NORMAL BUSINESS HOURS AND SHALL BE RESPONSIBLE FOR SECURING THE PREMISES AT ALL TIMES.

ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED AND SHALL BE FROM FACE OF STUD TO FACE OF STUD OR FACE OF MASONRY TO FACE OF MASONRY FOR NEW CONSTRUCTION AND FACE OF FINISH FOR EXISTING CONSTRUCTION. DO NOT SCALE DRAWINGS, CONTACT ARCHITECT FOR DISPUTED DIMENSIONS.

ALL MATERIALS STORED WITHIN THE BUILDING SHALL BE NEATLY STACKED AND SHALL NOT INTERFERE WITH OPERATION OF THE FACILITY OR NEARBY TENANTS. DO NOT STORE COMBUSTIBLE MATERIALS ON THE PREMISES FOR A PERIOD LONGER THAN NECESSARY FOR EXECUTION.

REMOVE AND LEGALLY DISPOSE OFF-SITE ALL DEBRIS RESULTING FROM THE DEMOLITION AND EXECUTION OF THE WORK.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS.

THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPT, THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS, AND THE TYPE OF STRUCTURAL SYSTEM. THE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT. THE TRADE CONTRACTORS SHALL PERFORM SUCH SERVICES, AND FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION OF THE PROJECT.

ALL OR PART OF THESE DOCUMENTS WERE GENERATED BY ELECTRONIC MEANS. THE ARCHITECT IS RELYING ON THE ACCURACY OF THE SOFTWARE EMPLOYED. THE ARCHITECT'S LIABILITY IS THEREFORE LIMITED TO THE EXTENT CUSTOMARY IN THE INDUSTRY.

THE ERROR AND OMISSIONS DESIGN LIABILITY IS LIMITED TO THE COST OF CORRECTING THE DEFICIENCY.

THE GENERAL CONDITIONS FOR THIS PROJECT ARE THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA DOCUMENT A201, CURRENT EDITION, A COPY OF WHICH IS ON FILE AND MAY BE EXAMINED IN THE OFFICE OF THE ARCHITECT.

CODE SUMMARY

ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS AND DRAWINGS AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES, A.D.A. AND REGULATIONS OF ALL GOVERNING BODIES INVOLVED. ANY MODIFICATIONS TO THE CONTRACT WORK REQUIRED BY SUCH AUTHORITIES SHALL BE AT THE EXPENSE OF THE TENANT, SUBJECT TO THE RECEIPT OF AN AFFIDAVIT OR LETTER FROM THE GOVERNING BODY AND TENANT'S PRIOR APPROVAL OF ANY ADDITIONAL COST TO BE INCURRED. ALL PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR INVOLVED. APPLICABLE CODES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

BUILDING CODE:	2008 INDIANA BUILDING CODE 2006 INTERNATIONAL BUILDING CODE CBO/ANSI I71-1992 675 IAC 13 - 24
FIRE CODE:	2008 INDIANA FIRE CODE 2006 INTERNATIONAL FIRE CODE 675 IAC 22 - 23
PLUMBING CODE:	1999 INDIANA PLUMBING CODE 1991 UNIFORM PLUMBING CODE 675 IAC 16 - 13
ELECTRICAL CODE:	2005 INDIANA ELECTRICAL CODE 2005 NFPA 70 675 IAC 11 - 16
MECHANICAL CODE:	2008 INDIANA MECHANICAL CODE 2006 INTERNATIONAL MECHANICAL CODE 675 IAC 18 - 14
ENERGY CODE:	1992 INDIANA ENERGY CONSERVATION CODE 1992 CBO 675 IAC 18 - 3
OCCUPANCY CLASSIFICATION:	E
INCIDENTAL USE AREAS (TABLE 302.1.1):	N/A
REQUIRED SEPARATION OF OCCUPANCIES (TABLE 302.3.3):	N/A
TYPE OF CONSTRUCTION:	V B
GENERAL BUILDING HEIGHTS AND AREAS	
ALL OBTAINABLE AREA (TABLE 509.1):	9,500 SQ. FT.
AREA MODIFICATIONS (SECT. 506):	--- SQ. FT.
ACTUAL AREA:	1200 SQ. FT.
FIRE-RESISTANCE-RATED CONSTRUCTION	
RATING FOR BUILDING ELEMENTS (TABLE 601):	NONE
RATING FOR EXTERIOR WALLS (TABLE 602):	NONE
EXTERIOR WALL OPENINGS (TABLE 104.8):	N/A
INTERIOR FINISHES	
INTERIOR WALL AND CEILING REQUIREMENTS (TABLE 803.4):	CLASS C
FIRE PROTECTION SYSTEMS	
AUTOMATIC SPRINKLER SYSTEM:	NO
MEANS OF EGRESS	
MAX FLOOR AREA PER OCCUPANT (TABLE 1003.2.2.2):	1200 SQ. FT./OCC. + 24 OCC.'S
EGRESS WIDTH PER OCCUPANT (TABLE 1003.2.3):	2 INCHES/OCC. + 48 INCHES
MIN. NO. OF EXITS FOR OCCUPANT LOAD (TABLE 1005.2.1):	1 EXITS

GENERAL NOTES

AREA BETWEEN ATTIC DRAFT STOPS SHALL NOT EXCEED 3,000 SQ. FT. AND THE GREATEST HORIZONTAL DISTANCE SHALL NOT EXCEED 60'

DRAWING INDEX

G 001 TITLE SHEET / CODE SUMMARY
GENERAL INFORMATION
STRUCTURAL DRAWINGS
F 101 FOUNDATION PLAN
S 102 ROOF FRAMING PLAN

ARCHITECTURAL DRAWINGS

A 101 FIRST FLOOR PLAN
A 201 ELEVATIONS
A 301 WALL SECTIONS

ELECTRICAL DRAWINGS

E 101 POWER AND LIGHTING PLAN

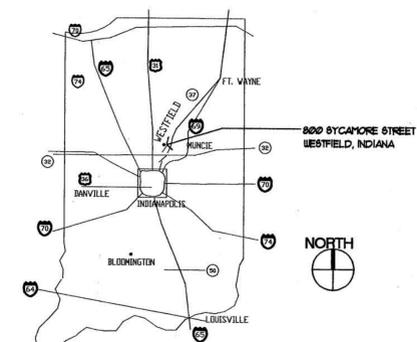
MECHANICAL DRAWINGS

M 101 CEILING PLAN

PLUMBING DRAWINGS

THERE ARE NO PLUMBING
PLANS IN THIS PROJECT

PROJECT LOCATION



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studio@petersonarchitecture.com

ADDITION
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WESTFIELD, INDIANA

STATE SUBMIT
APRIL 14, 2010

REVISIONS

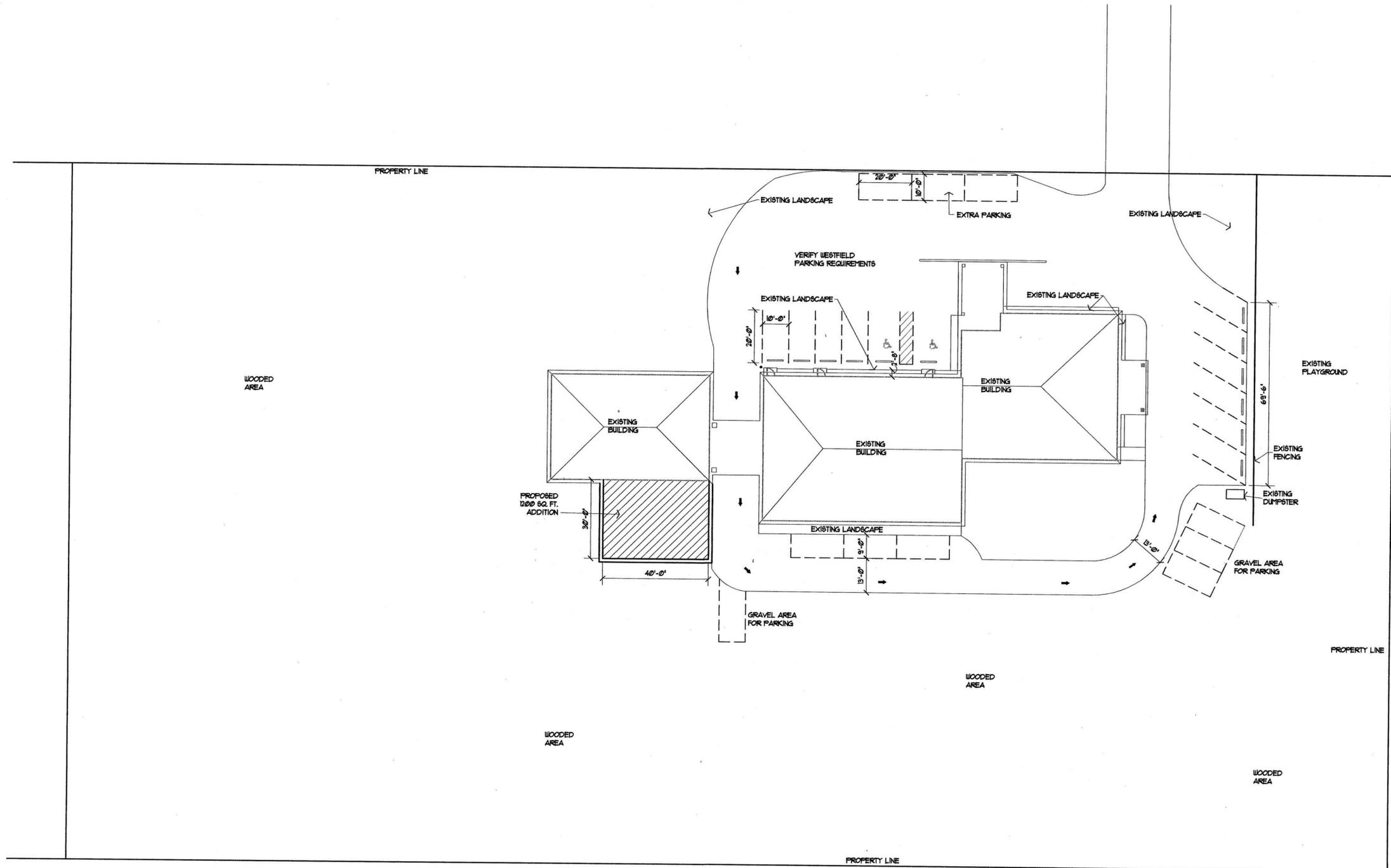
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DRAWER NO. 18
DRAWN BY: B. HOFFMANN
CHECKED BY: D. PETERSON
PROJECT NUMBER: 10-0035

GENERAL INFORMATION AND SHEET INDEX

G001

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ARCHITECTURAL SITE PLAN

SCALE: 20' = 1'-0"

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 APRIL 14, 2010

REVISIONS	DATE	BY
1		
2		
3		
4		
5		

DRAWER NO. 18
 DRAWN BY: B. HORMANN
 CHECKED BY: D. PETERSON
 PROJECT NUMBER 10-0025

SITE PLAN

L101

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GENERAL NOTES

CONCRETE:
 Reinforced concrete has been designed in accordance with the "Current Edition Requirements for Reinforced Concrete".
 Mixing, transporting, and placing of concrete shall conform to the latest edition of the "Specifications for Structural Concrete for Buildings" (ACI 301).
 Concrete in the following areas shall consist of natural sand fine aggregate and normal weight coarse aggregates conforming to ASTM C33, Type 1 Portland Cement conforming to ASTM C150, and shall have the following compressive strength (F_c) at 28 days:
 Footings 3,000 psi
 Slabs-on-Grade: 4,000 psi
 Retaining Walls, Curbs, Sidewalks 4,000 psi (6% + 1% and Slabs Exposed to De-Icers: entrained air by volume)
 The Contractor shall submit for review by the Structural Engineer a mix design for each proposed class of concrete. Mix designs shall show weight proportions for components of the mix. The Contractor shall not vary from the mix design without the approval of the Structural Engineer.

CONCRETE REINFORCEMENT:
 Reinforcing bar detailing, fabricating, and placing shall conform to the latest edition of the following standards: "Specifications for Structural Concrete Buildings" (ACI 301) and "ACI Detailing Manual" (SP66).
 Reinforcing steel shall be deformed bars of new billet steel conforming to ASTM A615-90 and shall have a minimum yield strength of 60,000 psi.
 The Concrete Contractor shall prepare detailed working or shop drawings to enable him to fabricate, erect and construct all parts of the work in accordance with the drawings and specifications and shall submit one reproducible copy and one blue line copy to the Structural Engineer for approval. These shop drawings will be reviewed for design concepts expressed in the contract documents only. The Contractor shall be responsible for all dimensions, accuracy, and fit of work.

NON-SHRINK GROUT:
 Grout shall be a non-metallic, shrinkage resistant (when tested in accordance with the latest edition of ASTM C827 or CRD-C621), premixed, non-corrosive, non-staining product containing Portland Cement, silica sands, shrinkage compensating agents and fluidity improving compounds. Grout shall have a minimum compressive strength (F_c) of 5,000 psi in 28 days.
 Grout compressive strength tests shall be performed in accordance with the latest edition of ASTM C109.

MASONRY:
 Engineered concrete masonry has been designed in accordance with the latest edition of the "Building Code Requirements for Concrete Masonry Structures" (ACI 531) by the American Concrete Institute (ACI).
 Concrete masonry construction shall conform to the latest edition of the "Specification for Concrete Masonry Construction" (ACI531.1).
 Concrete masonry construction shall have a minimum compressive strength (F_m) 1,500 psi at 28 days.

Mortar shall be Type M below grade and Type M or S above grade proportioned in accordance with the latest edition of ASTM C 270 or C 476.
 Reinforcing steel for bond beams and vertical block cores shall be deformed bars of new billet steel complying with ASTM A 615-85 and having a minimum yield strength of 60,000 psi.
 Unless otherwise noted, masonry cores (where specified on drawings) and bond beams shall be filled with concrete meeting the following requirements.
 Minimum 2,500 psi 28-day compressive strength with 3/4-inch maximum aggregate and 7 inch maximum slump.
 Unless otherwise noted, provide two 1/2-inch x 1'-2" hooked anchor bolts at beam bearings shown on framing plans. Space at beam gage.

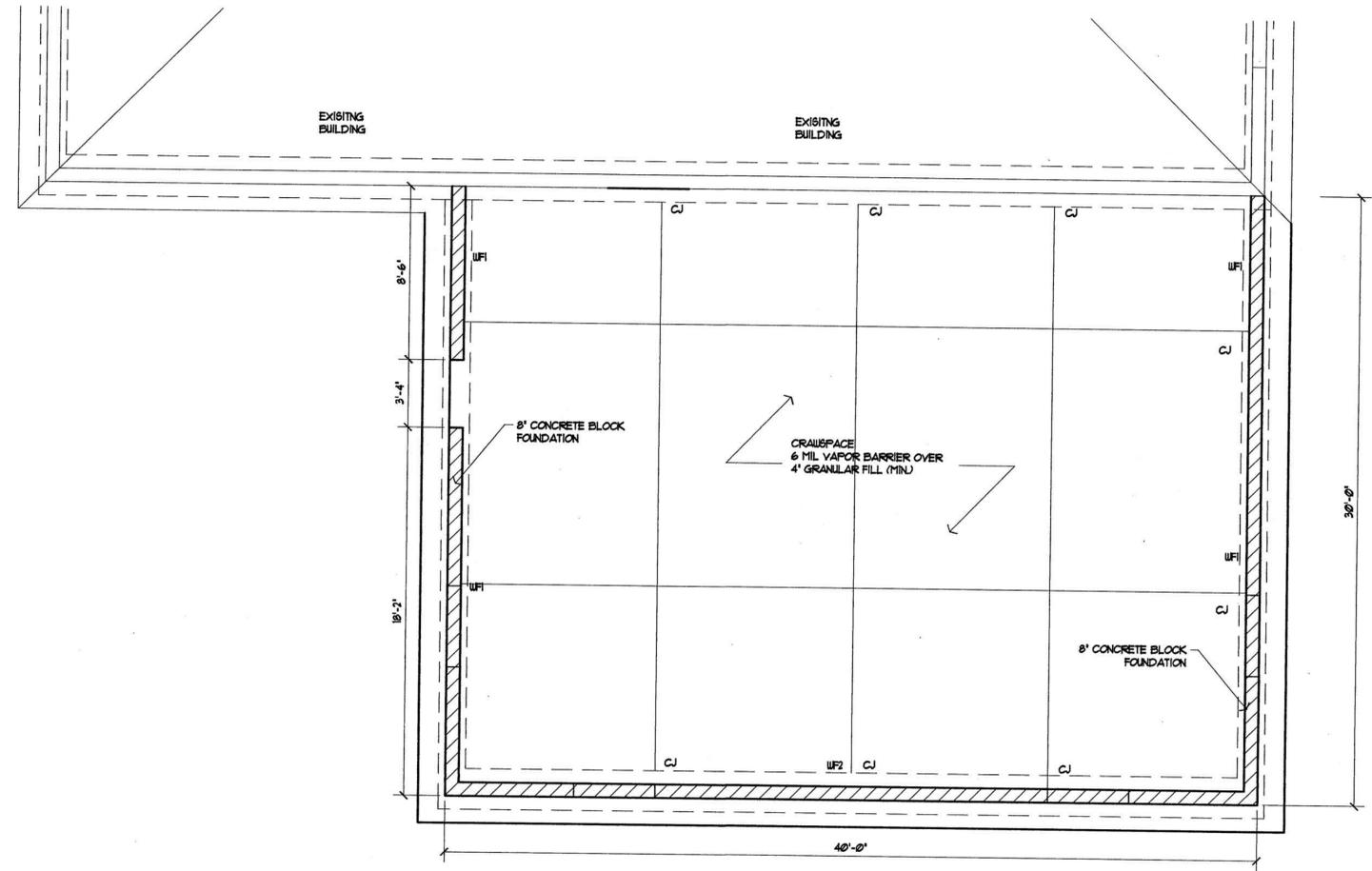
Bearings for beams, lintels, joists, etc. shall be bond beams or hollow masonry units with cores filled solid with concrete. See drawings for minimum bearing requirements.

DESIGN DATA:
 The building structure has been designed in accordance with the 2003 Indiana Building Code.

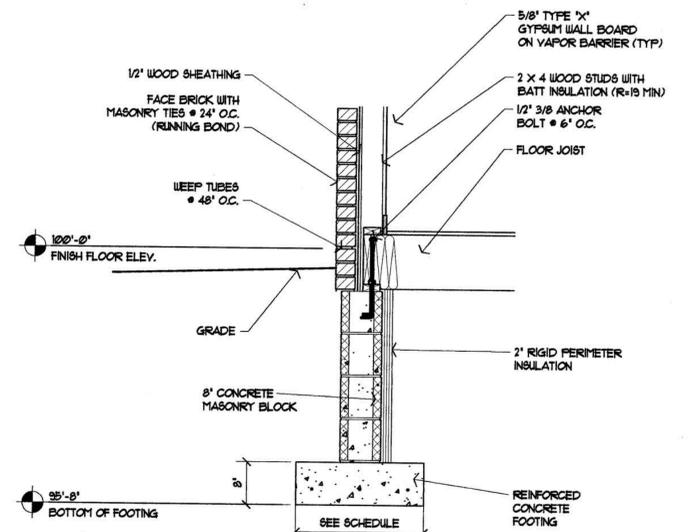
WALL FOOTING SCHEDULE		
MARK	SIZE (WxD)	REINFORCING
WF1	1'-4" x 1'-0" x CONT.	(2) - #5 TOP & BOT. LAP 3'-0"
WF2	2'-4" x 1'-0" x CONT.	(2) - #5 TOP & BOT. LAP 3'-0"



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



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

ADDITION

MONTESSORI SCHOOL

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WESTFIELD, INDIANA

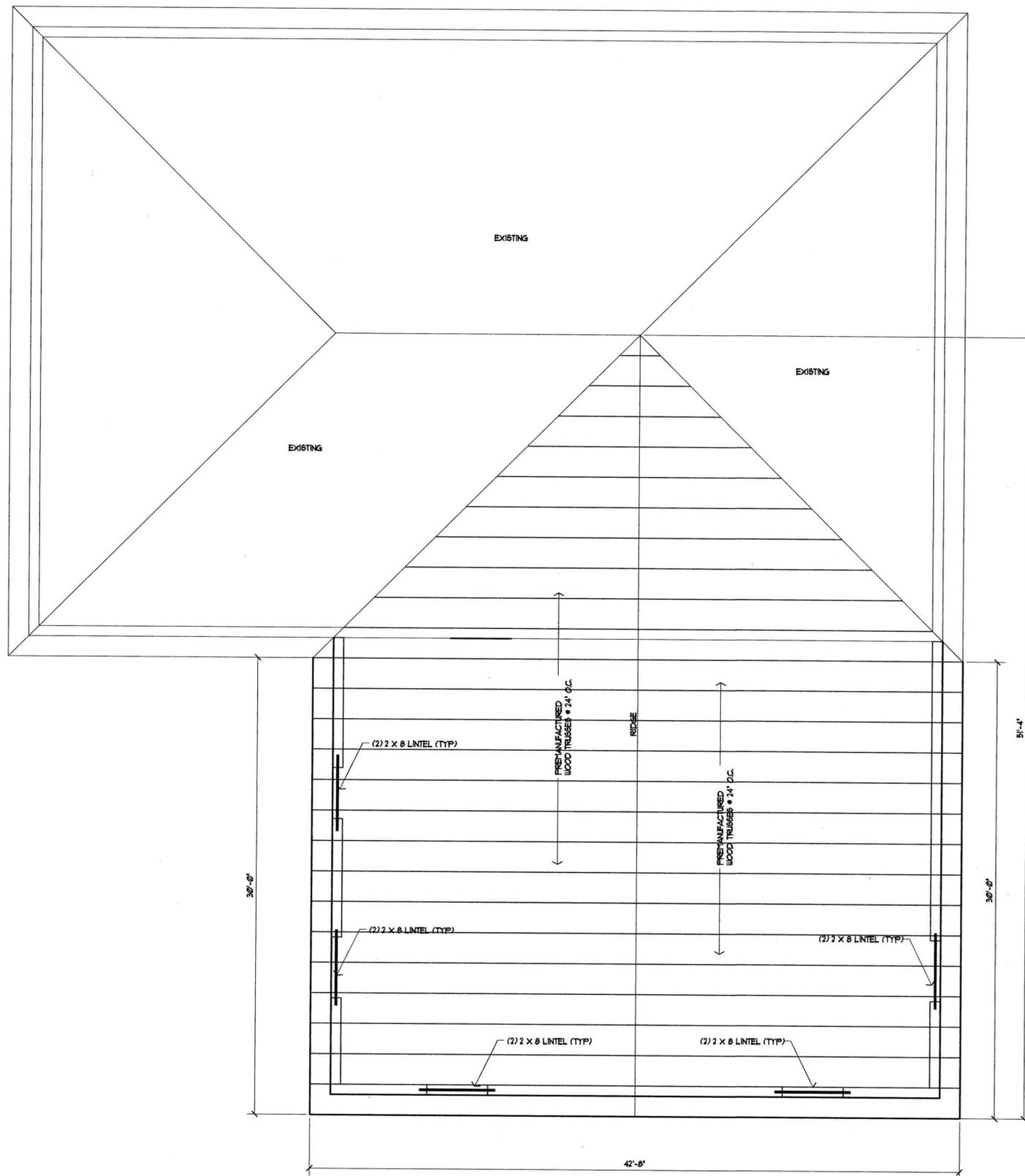
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 APRIL 14, 2010

REVISIONS	
△	REVISION DATE

DRAWER NO. 18
 DRAWN BY: D. PETERSON
 CHECKED BY: B. HOFFMANN
 PROJECT NUMBER: 10-0035

FOUNDATION PLAN
F101

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FRAMING NOTES

1. PREMANUFACTURED WOOD TRUSSES @ 2'-0" O.C.
2. STICK FRAME AT ALL OVERBUILDS
3. BUILDING IS 4/12 PITCH.
4. ALL OVERHANGS ARE 1'-4".
5. ROOF SHEATHING SHALL BE 5/8" CDX PLYWOOD SHEATHING
6. JOISTS @ 16" O.C.



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△	REVISION	DATE	----

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 DRAWN BY: D. PETERSON
 CHECKED BY: B. HOFFMANN
 PROJECT NUMBER: 10-0035

FRAMING PLAN

S101

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

ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLOOR		BASE		WALLS								CEILING		REMARKS	
		MATL.	FINISH	MATL.	FINISH	NORTH	EAST	SOUTH	WEST	MATL.	FINISH	HEIGHT					
101	LIBRARY	CPT	YFR	VB	YFR	GB	FT	GB	FT	GB	FT	--	--	GB	FT	8'-0"	--

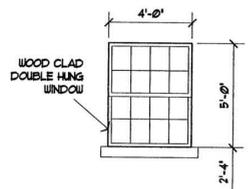
DOOR AND FRAME SCHEDULE

NO.	SIZE	TYPE	FRAME										HARDWARE SET NO.	OPENING RATING	REMARKS
			MATL.	GLASS	TYPE	MATL.	JAMB	HEAD	SILL	LABEL	MATL.	FINISH			
101-A	3'-0" x 7'-0" x 1 3/4"	A	UD	2W X 2'-6 1/4"	F1	UD	J1	H1	CPT	--	2	--	--		
101-B	3'-0" x 7'-0" x 1 3/4"	C	UD	--	F1	UD	J1	H1	CPT	--	3	--	--		
101-C	3'-0" x 7'-0" x 1 3/4"	A	STL	2W X 2'-6 1/4"	F2	STL	J1	H1	HTL	--	1	--	--		
101-D	(2) 2'-6" x 7'-0" x 1 3/4" BH-FOLD	B	UD	--	F1	UD	J1	H1	CPT	--	3	--	--		

HARDWARE SCHEDULE

- | | | |
|---|---|--|
| SET 1
ENTRY / EXIT FUNCTION LOCKSET
1 1/2 PAIR HINGES
CLOSER
PANIC HARDWARE (INTERIOR SIDE)
WEATHERSTRIPPING
KICKPLATE | SET 2
CLASSROOM FUNCTION LOCKSET
1 1/2 PAIR HINGES
CLOSER
PANIC HARDWARE
DOOR STOP
KICKPLATE | SET 3
NO LOCKSET
DOOR STOP
1 1/2 PAIR HINGES |
|---|---|--|

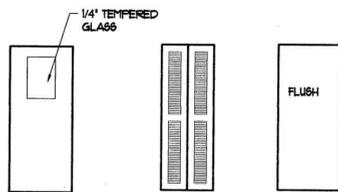
WINDOW TYPE



WIN-1

DOOR TYPES

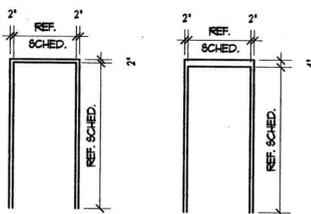
SCALE: 1/4" = 1'-0"



A B C

FRAME TYPES

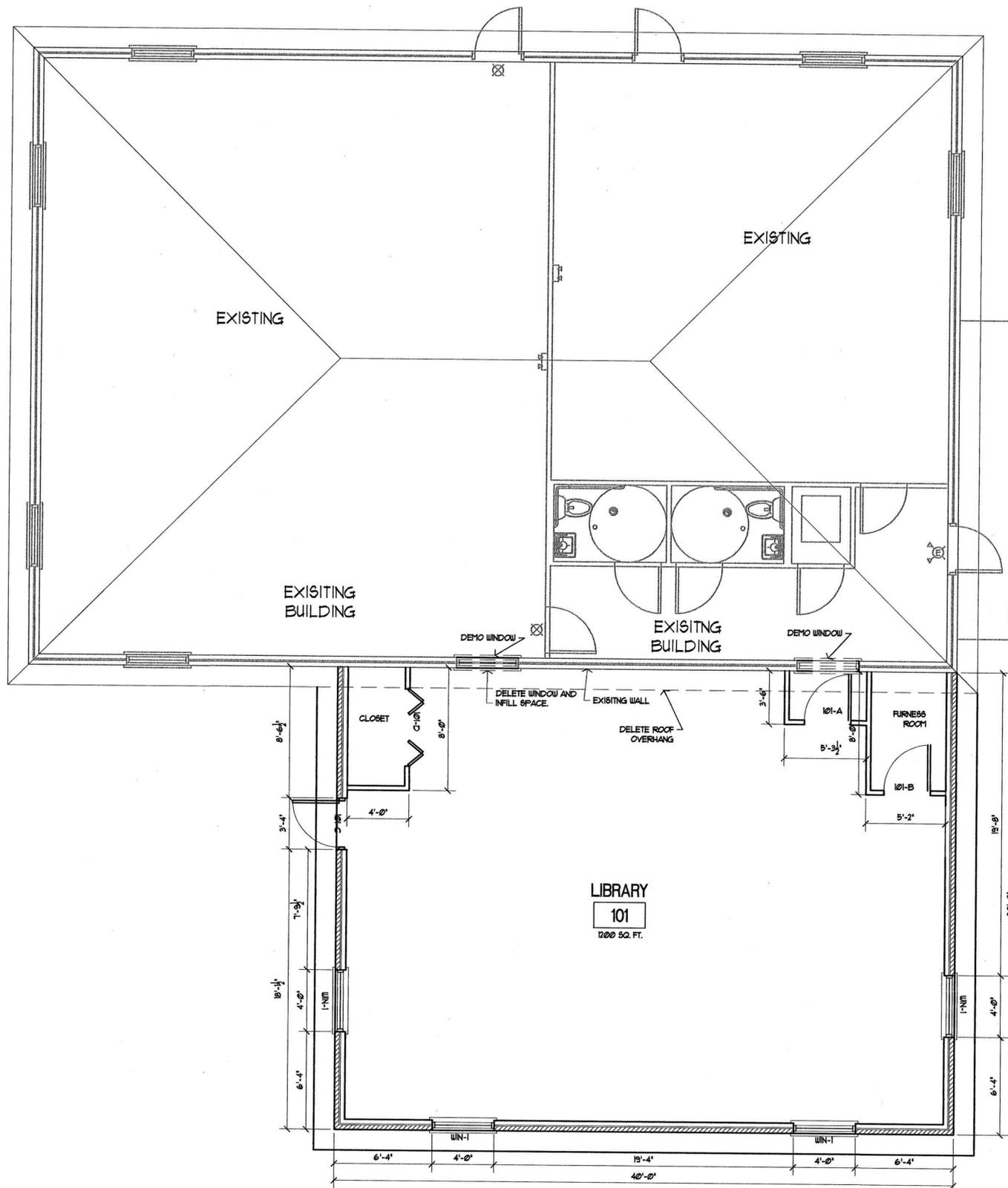
SCALE: 1/4" = 1'-0"



F1 F2

GENERAL NOTES

- ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD.
- PROVIDE WOOD BLOCKING FOR ALL SHELVING.
- ALL FINISHES AND COLORS ARE TO BE SELECTED BY OWNER AND COORDINATED WITH GENERAL CONTRACTOR.
- THE CONTRACTOR TO VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIES AND/OR INSTALLED BY OTHERS.
- EXTERIOR BUILDING DIMENSIONS ARE FROM FACE OF BRICK TO FACE OF BRICK.
- ALL INTERIOR WALLS ARE TO BE 2x4x16' O.C. WOOD STUD WALLS WITH 5/8" GYPSUM BOARD EACH SIDE FULL HEIGHT.
- ALL INTERIOR WALLS ARE TO BE SOUND INSULATED TO BOTTOM OF TRUSSES.
- ALL EXTERIOR WALLS ARE TO BE 2x4x16' O.C. WITH 1/2" EXTERIOR PLYWOOD SHEATHING ON THE EXTERIOR AND 5/8" DRYWALL ON THE INTERIOR.



ARCHITECTURAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

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APRIL 14, 2010

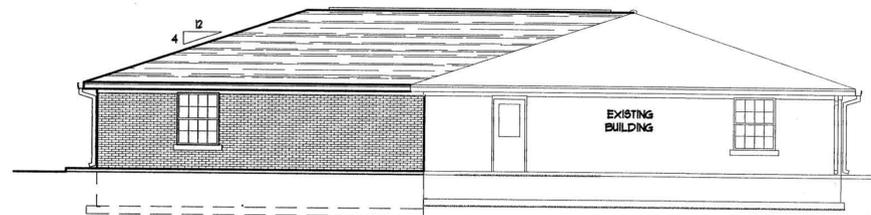
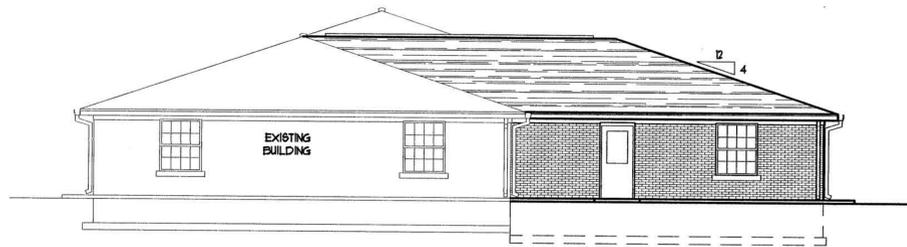
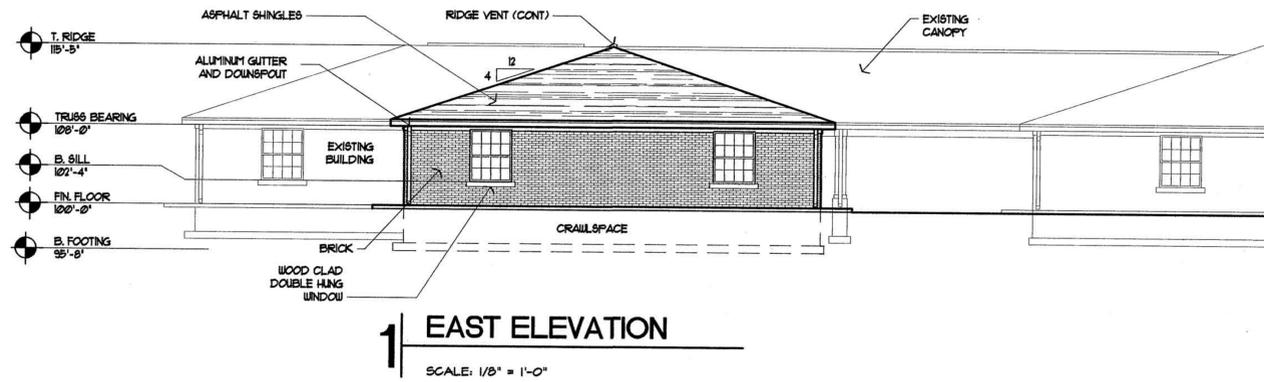
REVISIONS	REVISION DATE	DATE
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DRAWER NO. 10
DRAWN BY: B. HORMANN
CHECKED BY: D. PETERSON
PROJECT NUMBER: 10-0035

ARCHITECTURAL FLOOR PLAN

A101

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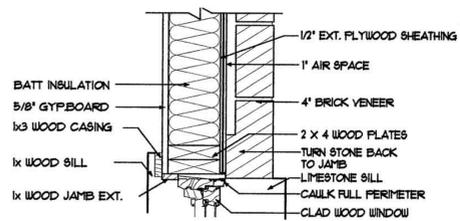
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DRAWER NO. 10
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EXTERIOR ELEVATIONS
A201

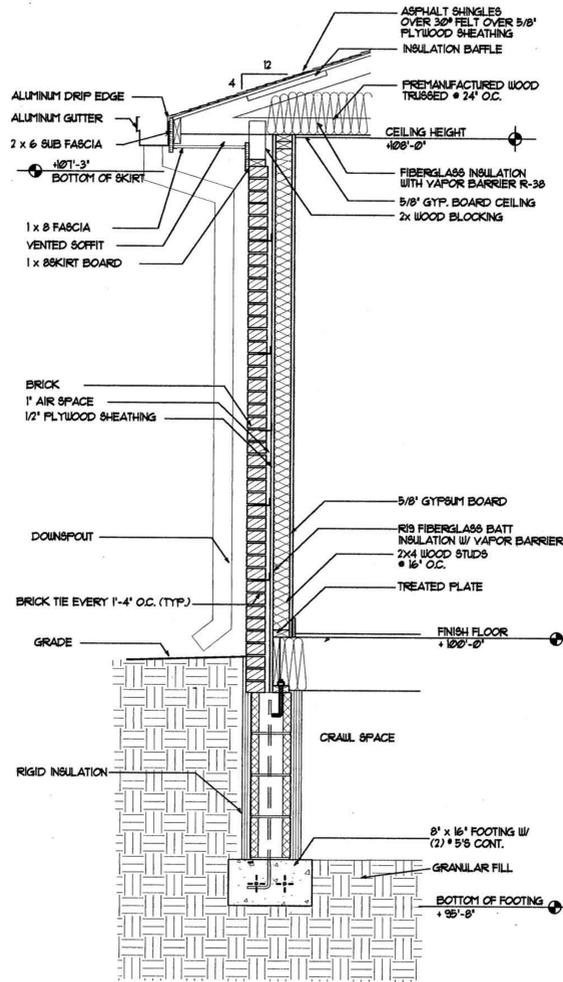
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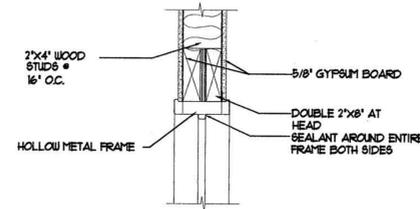
1 EXT. WINDOW SILL DETAIL
SCALE: 3/4" = 1'-0"



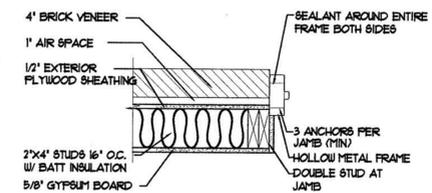
2 EXT. WINDOW JAMB DETAIL
SCALE: 3/4" = 1'-0"



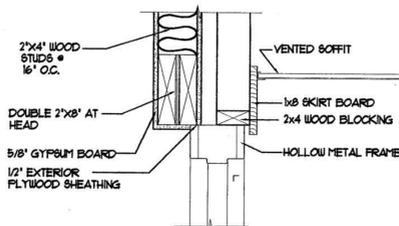
3 WALL SECTION (TYP)
SCALE: 3/4" = 1'-0"



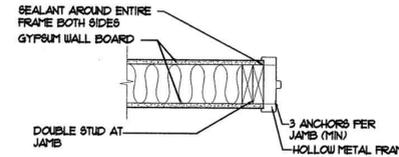
4 EXT. WINDOW HEAD DETAIL
SCALE: 3/4" = 1'-0"



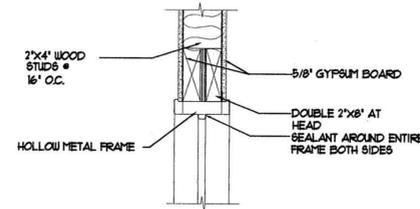
5 EXT. WINDOW JAMB DETAIL
SCALE: 3/4" = 1'-0"



6 EXT. DOOR HEAD DETAIL
SCALE: 3/4" = 1'-0"



7 INT. DOOR JAMB DETAIL
SCALE: 3/4" = 1'-0"



8 INT. DOOR HEAD DETAIL
SCALE: 3/4" = 1'-0"

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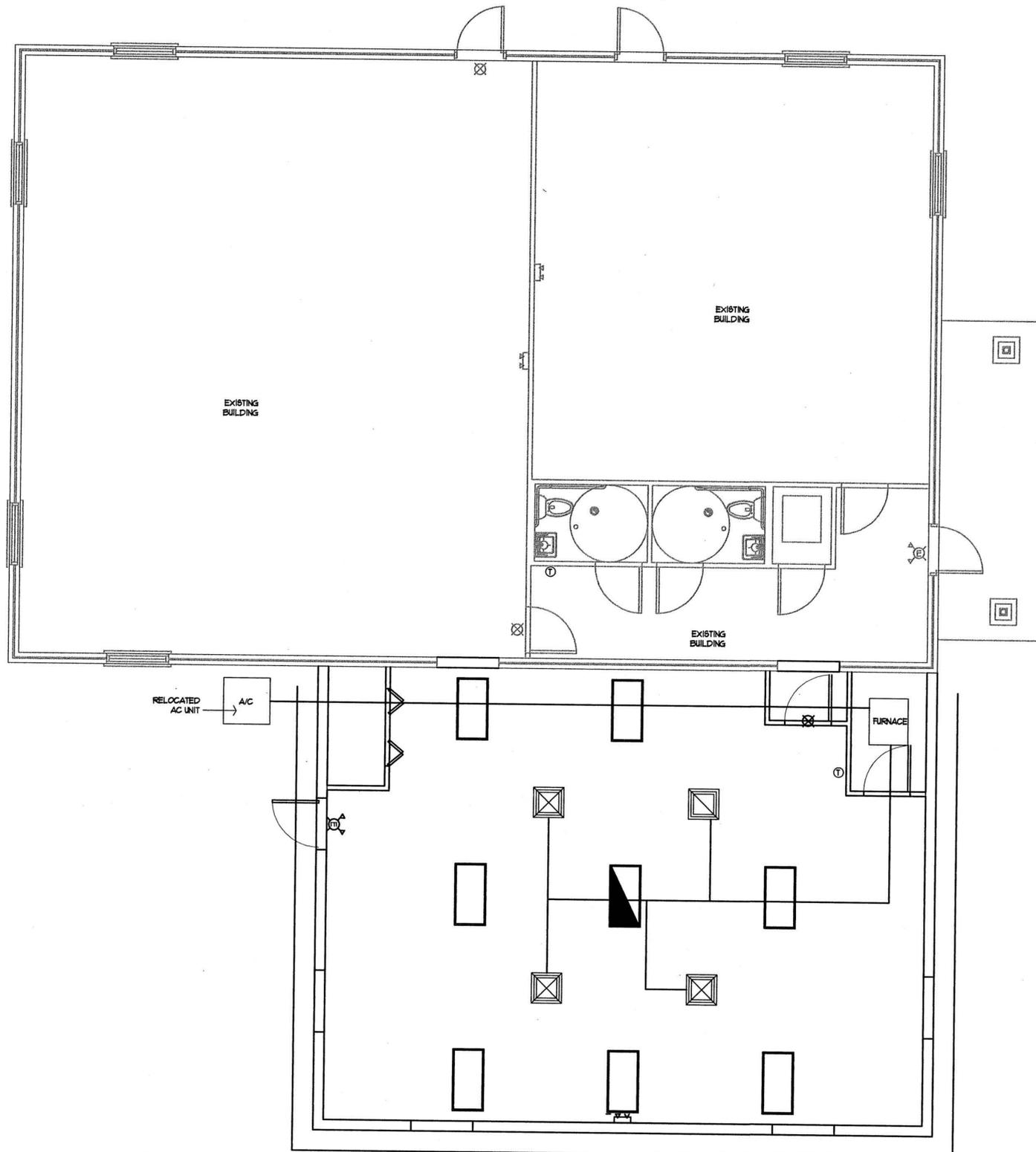
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DRAWER NO. 18
DRAWN BY: D. PETERSON
CHECKED BY: B. HOFFMANN
PROJECT NUMBER: 10-0025

WALL SECTIONS
A301

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

SYMBOLS LEGEND

☒	SUPPLY AIR DIFFUSER. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATION. (TYPICAL.)
☑	RETURN AIR GRILL. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATION. (TYPICAL.)
☐	CEILING MOUNTED EXHAUST FAN.
⚡	SINGLE POLE SWITCH 20A-120V • 4'-0" AFF.
Ⓣ	THERMOSTAT

MECHANICAL NOTES

THIS DRAWING REPRESENTS THE GENERAL SCOPE OF THE PROJECT IN TERMS OF THE MECHANICAL DESIGN CONCEPT BUT DOES NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND/OR COMPLETION OF THE CONTRACT. THE TRADE CONTRACTORS SHALL PERFORM SUCH SERVICES (I.E. DUCTWORK LAYOUT AND SIZE DIAGRAMS, EQUIPMENT CUT SHEETS, ETC.) AND FURNISH ALL ITEMS REQUIRED FOR THE FULL AND PROPER EXECUTION OF THE PROJECT.

RECTANGULAR DUCTWORK SUPPLY AND RETURN SHALL BE SHEETMETAL, AND SHALL BE EXTERNALLY INSULATED WITH 1/2" FOIL FACED 15 PCF DUCT URAP. ROUND DUCTWORK SHALL BE SHEETMETAL, AND UNRAFFED WITH 1/2" DUCT URAP. EXHAUST DUCTWORK SHALL BE SHEET METAL, AND SHALL BE UNLINED. ALL DUCTWORK SHALL MEET OR EXCEED SMACNA STANDARDS FOR 2" PRESSURE CLASSIFICATION. GIVEN DIMENSIONS ARE INSIDE DIMENSIONS. ALL DUCTWORK SHALL BE SEALED AIRTIGHT WITH DUCT SEALANT AND SHALL CONFORM TO LOCAL BUILDING CODES.

FLEXIBLE DUCTWORK SHALL BE INSULATED, AND SHALL BE THE SAME SIZE AS THE NECK OF THE DIFFUSER. FLEX DUCT SHALL NOT EXCEED 8'-0" IN LENGTH, AND SHALL CONFORM TO LOCAL BUILDING CODES.

ALL SPIN-IN FITTINGS SHALL BE CONICAL, AND SHALL HAVE MANUAL VOLUME DAMPERS.

RECTANGULAR BRANCH DUCT TAKE-OFFS SHALL HAVE 45 DEGREE TAKE-OFFS, AND ROUND DUCT TAKE-OFFS SHALL BE CONICAL.

ALL ELBOWS, BOTH HORIZONTAL AND VERTICAL, SHALL BE LONG RADIUS ELBOWS WHEREVER POSSIBLE, OR SHALL HAVE TURNING VANES WHERE SHOWN.

BALANCE AIR SYSTEM TO QUANTITIES SHOWN, AND SUBMIT A BALANCE REPORT TO THE ARCHITECT/ENGINEER FOR REVIEW.

COORDINATE LOCATIONS OF THERMOSTATS WITH OWNER PRIOR TO INSTALLATION.

CONTRACTOR SHALL INSPECT SITE TO THOROUGHLY FAMILIARIZE HIMSELF WITH THE AREA OF WORK. THESE DOCUMENTS DO NOT REFLECT AS-BUILT CONDITIONS. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS AND ACTUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION PRIOR TO BID PRICING. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF EXISTING CONDITIONS.

VACUUM CLEAN ALL COMPONENTS OF AIR HANDLING UNIT. STEAM CLEAN EXISTING COOLING COILS. REPAIR DAMAGED FINS OF COOLING COILS AND CONDENSING COILS. INSTALL NEW FILTERS.

REPAIR CONDENSATE DRAIN PIPING AS REQUIRED.

INSPECT AND TEST EXISTING UNITS FOR NECESSARY REPAIRS AND RECALIBRATIONS. CLEAN ALL COMPONENTS OF BUILT UP DIRT AND OIL/GREASE. LUBRICATE ALL MOVING COMPONENTS AND BEARINGS AS PER MANUFACTURER'S MAINTENANCE INSTRUCTIONS. CHECK REFRIGERANT AND OIL LEVELS AND ADD AS REQUIRED. REPAIR ANY LEAKS. TAKE PRESSURE READINGS AND COMPARE WITH MANUFACTURER'S INFORMATION. REPORT ANY DEFICIENCIES TO OWNER'S REPRESENTATIVE.

REPLACE DRIVE BELTS FOR ALL BELT DRIVEN MACHINERY AND LUBRICATE ALL BEARINGS TO INCLUDE SUPPLY FANS, PUMPS, COMPRESSOR, ETC.

CLEAN, LUBRICATE AND EXERCISE THE DAMPERS FOR THE OUTSIDE AIR INTAKE DAMPER AND RETURN AIR DAMPER. CHECK DAMPERS FOR PROPER OPERATION. CLEAN OUTSIDE AIR INTAKE LOUVER AND RELIEF AIR LOUVER.

RECALIBRATE, REPAIR AND/OR REPLACE AUTOMATIC TEMPERATURE CONTROL SYSTEMS COMPONENTS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM.

EXAMINE ALL FIRE DAMPERS AND SMOKE DAMPERS FOR PROPER OPERATION WITHOUT BINDING AND VERIFY THAT THE FUSIBLE LINKS ARE WITH THE PROPER TEMPERATURE RATING. REPAIR, REPLACE AND/OR CLEAN AS REQUIRED.

DISCONNECT ALL RETURN AIR AND OUTSIDE AIR DAMPERS AND MANUALLY LOCK OPEN.

ADJUST PULLEYS AND BELTS TO OBTAIN REQUIRED CFM WITH 15% OUTSIDE AIR.

CONNECT COMBUSTION AIR INLET AND FLUE GAS EXHAUST TO FURNACES. SIZE SCHEDULE 40 PIPE PER MANUFACTURER'S INSTRUCTIONS.

CONNECT COMBUSTION AIR INLET AND FLUE GAS TO CONCENTRIC ONE PIPE ROOF TERMINATION.

DIFFUSER & GRILLE LOCATIONS ARE APPROXIMATE. MECHANICAL CONTRACTOR SHALL COORDINATE.

MECHANICAL CONTRACTOR TO VENT WATER HEATER.

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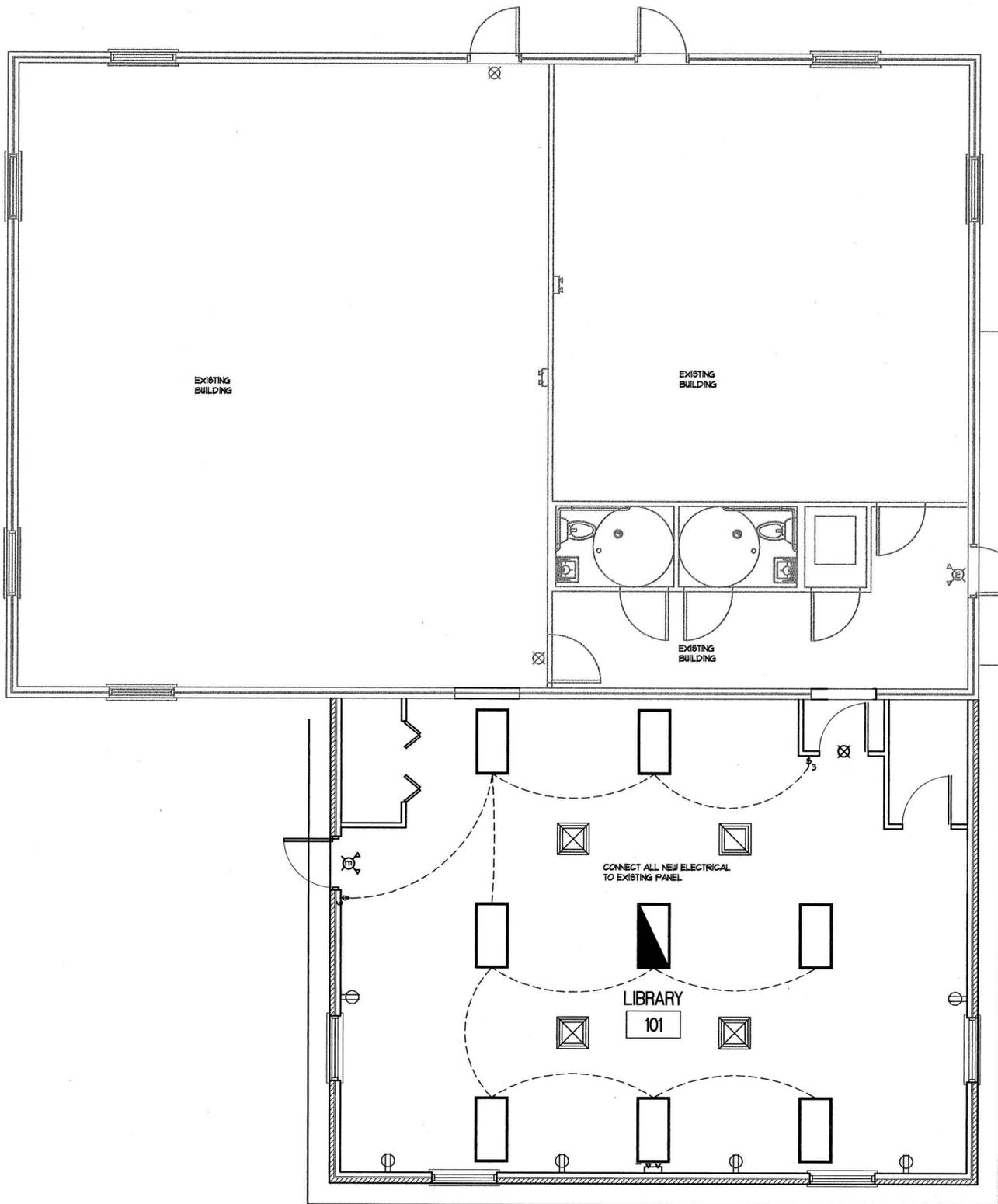
STATE SUBMIT
APRIL 14, 2010

REVISIONS		
△	REVISION	----
△	DATE	----
△	REVISION	----
△	DATE	----
△	REVISION	----
△	DATE	----

DRAWER NO. 18
DRAWN BY: B. HORMANN
CHECKED BY: D. PETERSON
PROJECT NUMBER: 10-0025

MECHANICAL PLAN
M101

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LIGHTING AND POWER PLAN
SCALE: 1/4" = 1'-0"

LIGHTING SYMBOLS LEGEND

	2' x 4' RECESSED FLUORESCENT LIGHT FIXTURE WITH ENERGY SAVING LAMPS (31 W) AND HIGH EFFICIENCY BALLAST
	2' x 4' RECESSED FLUORESCENT LIGHT FIXTURE WITH ENERGY SAVING LAMPS (31 W) AND HIGH EFFICIENCY BALLAST, SWITCHED AS NIGHT LIGHT
	2' x 2' RECESSED FLUORESCENT LIGHT FIXTURE WITH ENERGY SAVING LAMPS (31 W) AND HIGH EFFICIENCY BALLAST
	2' x 2' RECESSED FLUORESCENT LIGHT FIXTURE WITH ENERGY SAVING LAMPS (31 W) AND HIGH EFFICIENCY BALLAST, SWITCHED AS NIGHT LIGHT
	RECESSED INCANDESCENT EYEBALL LIGHT FIXTURE
	INCANDESCENT PENDANT LIGHT FIXTURE. COORDINATE STYLE AND MOUNTING HEIGHT WITH OWNER
	TRACK LIGHTING
	CEILING FAN. VERIFY AND COORDINATE LOCATION WITH OWNER
	EMERGENCY LIGHT WITH LIGHTED EXIT SIGN AND BATTERY BACK-UP. MOUNTED 18" BELOW FINISHED CEILING LEVEL, UNLESS NOTED OTHERWISE
	EMERGENCY LIGHT WITH BATTERY BACK-UP. VERIFY FINAL LOCATION WITH OWNER (TYPICAL)
	EXIT SIGN WITH BATTERY BACK-UP. VERIFY FINAL LOCATION WITH OWNER
	INCANDESCENT SCONCE TYPE LIGHT FIXTURE. COORDINATE STYLE AND MOUNTING HEIGHT WITH OWNER
	4' FLUORESCENT STRIP LIGHT FIXTURE WITH ENERGY SAVING LAMPS (31 W), PENDANT MOUNTED
	SINGLE POLE SWITCH 20A-120V • 4'-0" AFF.

SYMBOLS LEGEND

	SUPPLY AIR DIFFUSER. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATION. (TYPICAL)
	RETURN AIR GRILL. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATION. (TYPICAL)
	CEILING MOUNTED EXHAUST FAN
	THERMOSTAT • 60" AFF.
	TELEPHONE JACK • 14" AFF. UNLESS NOTED OTHERWISE. J-BOX & RACEWAY ABOVE CEILING
	DATA DROP • 14" AFF. UNLESS NOTED OTHERWISE. J-BOX & RACEWAY ABOVE CEILING
	EXISTING ELECTRICAL PANEL
	SINGLE OUTLET AND T.Y. CABLE JACK • 2" BELOW CEILING
	DUPLEX OUTLET 20A-120V • 14" AFF. UNLESS NOTED OTHERWISE
	DUPLEX OUTLET W/ GROUND FAULT INTERRUPTER
	COUNTER HEIGHT DUPLEX OUTLET
	DUPLEX OUTLET W/ ISOLATED GROUND
	220V DUPLEX CONVENIENCE OUTLET • 14" AFF. UNLESS NOTED OTHERWISE
	DUPLEX OUTLET W/ WEATHERPROOF COVER AND GROUND FAULT INTERRUPTER • 14" AFF.
	QUADRAPLEX OUTLET - 14" AFF. UNLESS NOTED OTHERWISE
	JUNCTION BOX
	TIME CLOCK

ELECTRICAL LIGHTING NOTES

THIS DRAWING REPRESENTS THE GENERAL SCOPE OF THE PROJECT IN TERMS OF THE ELECTRICAL LIGHTING CONCEPT BUT DOES NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND / OR COMPLETION OF THE CONTRACT. THE TRADE CONTRACTORS SHALL PERFORM SUCH SERVICES (I.E. CIRCUIT LAYOUTS AND PANEL LAYOUTS) AND FURNISH ALL ITEMS REQUIRED FOR THE FULL AND PROPER EXECUTION OF THE PROJECT.

ANY DEVICES NOT SHOWN (I.E. FANS OR SPEAKERS) SHALL BE CENTERED IN CEILING TILES AND BETWEEN LIGHTS IN EACH DIRECTION.

SYMBOLS SHOWN IN THE LEGEND BUT NOT SHOWN ON THIS DRAWING MAY BE RELATED TO OTHER DISCIPLINES AND MAY SHOW ON OTHER DRAWINGS. REFER TO THE ARCHITECTURAL AND MECHANICAL DRAWINGS.

ALL ELECTRICAL WORK IS TO BE PERFORMED BY A STATE OF INDIANA LICENSED, APPROVED ELECTRICAL CONTRACTOR UNDER DIRECT SUPERVISION OF THE GENERAL CONTRACTOR / CONSTRUCTION MANAGER.

ALL WORK IS TO MEET CURRENT STANDARDS AND CODES ACCORDING TO THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE AND RULES AND REGULATIONS OF THE STATE OF INDIANA.

ALL MATERIALS ARE TO BE NEW AND UL RATED AND SEALS ARE TO BE VISIBLE.

ONE COPY OF OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT HEREIN INSTALLED SHALL BE GIVEN TO THE OWNER PRIOR TO ACCEPTANCE OF THE SPACE FOR OCCUPANCY.

GROUNDING AND BONDING SHALL BE AS PER 250-23 AND 250-84 OF THE INDIANA ELECTRICAL REGULATIONS.

ALL DISCONNECT SWITCHES SHALL BE RATED FOR GENERAL DUTY.

ALL WIRING TO BE METALLIC SHEATHING OR AS REQUIRED BY CODE.

CONTRACTOR SHALL VERIFY SERVICE VOLTAGE WITH UTILITY COMPANY AND PROVIDE PROTECTION OF PANELS OR BALANCING OF PANELS AS REQUIRED.

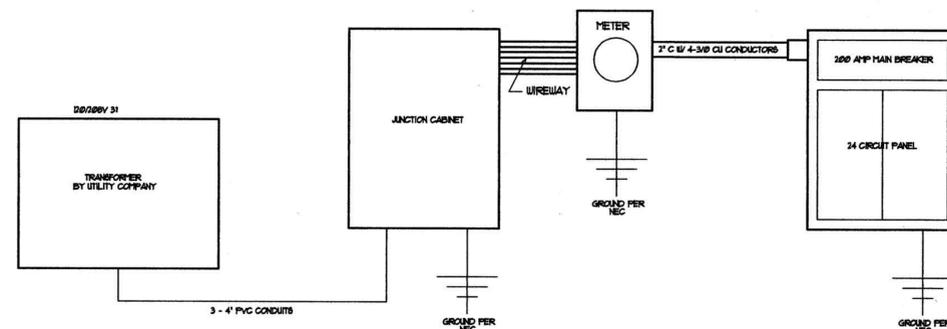
INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

CONFIRM ALL ASPECTS OF NEW SERVICE ENTRY PRIOR TO BID, INCLUDE ALL COSTS CONNECTED WITH THE SAME.

IF ANY ADDITIONAL ITEMS NOT SHOWN (I.E. INTERCOMS, STEREO BUILT-INS, ALARM SYSTEM, ETC.) ARE TO BE INSTALLED, OWNER IS RESPONSIBLE FOR SELECTION OF ITEMS AND COORDINATION WITH ELECTRICAL AND GENERAL CONTRACTORS.

ALL LIGHTING FIXTURES ARE TO BE SELECTED AND LOCATIONS VERIFIED BY OWNER PRIOR TO CONSTRUCTION START.

ELECTRICAL RISER DIAGRAM



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WESTFIELD, INDIANA

STATE SUBMIT
APRIL 14, 2010

REVISIONS

	REVISION DATE	----

DRAWER NO. 18
DRAWN BY: B. HOFFMANN
CHECKED BY: D. PETERSON
PROJECT NUMBER: 10-0035

POWER PLAN

E101

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Landscape Plan

NOTE: Sycamore St is Dedicated to the City of Westfield per D.I. page 580. For Public Sidewalks, Apartments & Municipal

Montessori School of Westfield
 800 East Sycamore
 Westfield, IN 46074
 Owners: Mary and Bill Lyman
 RR#2
 Sheridan, IN 46069
 Developer: Bill Lyman
 Prepared by: Bill Lyman
 Date: Aug 16, 2000

40' R/W
 SYCAMORE STREET
 SEWER

- EXISTING TREES:
- 30' ○ BLACK WALNUT / JUGLANS NIGRA JN
 - 13' ● BLACK CHERRY / PRUNUS CEROTINA PS
 - 9' ● BLACK LOCUST / ROBINIA PSEUDACACIARP
 - ① 10" ② 10'-11" ③ 12" ● BITTERNUT HICKORY / CARYA COROIFORMIS CC
 - ④ 9'-9" ⑤ 6'-9" ⑥ 4'-8" ● BLACK WILLOW / SALIX NIGRA SN
 - 11" ● HACKBERRY / CELTIS OCCIDENTALIS CO
 - 12 1/2" - 14" ● WHITE ASH / FRAXINUS AMERICANA FA
 - ① 7'-9" ② 8" ③ 8" ● WHITE MULBERRY / MORUS ALBA M11

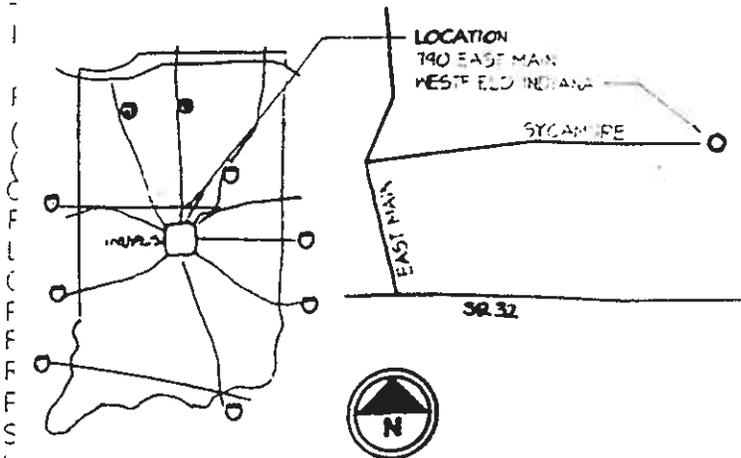
● MEDIUM SHRUBS:

- SPIREA PRUNIFOLIA / BRIDAL WREATH SPIREA
- TAXUS HICKSII / YEW
- PINUS MUGHAS / MUGHO PINE

ADDITIONAL:

● SMALL SHRUBS: GOLDEN PRIVET / LIGUSTRUM X VICARYI

PROJECT LOCATION



PRESERVED TREES:

- PIN OAK 18"
- DOGWOOD 2"
- ⊗ SUGAR MAPLE 4"
- ▲ FLOWERING DOGWOOD
- ⊕ BLACK LOCUST 10"
- ⊗ COMMON HACKBERRY 11"

- UPE - Underground Primary Electric
- Fin Fl. - Finish Floor (elevation)
- Mtr. - Meter
- Xfmr - Electric Stepdown Voltage Transformer
- Conc. - Concrete
- CMP - Corrugated Metal Pipe

SCALE: 1"=40'

Sycamore Street
 dedicated to the Town
 of Westfield per D.R. 338,
 580. For Public Street,
 works, Appurtenant Improve-
 ments & Municipal Utilities

40' R/W

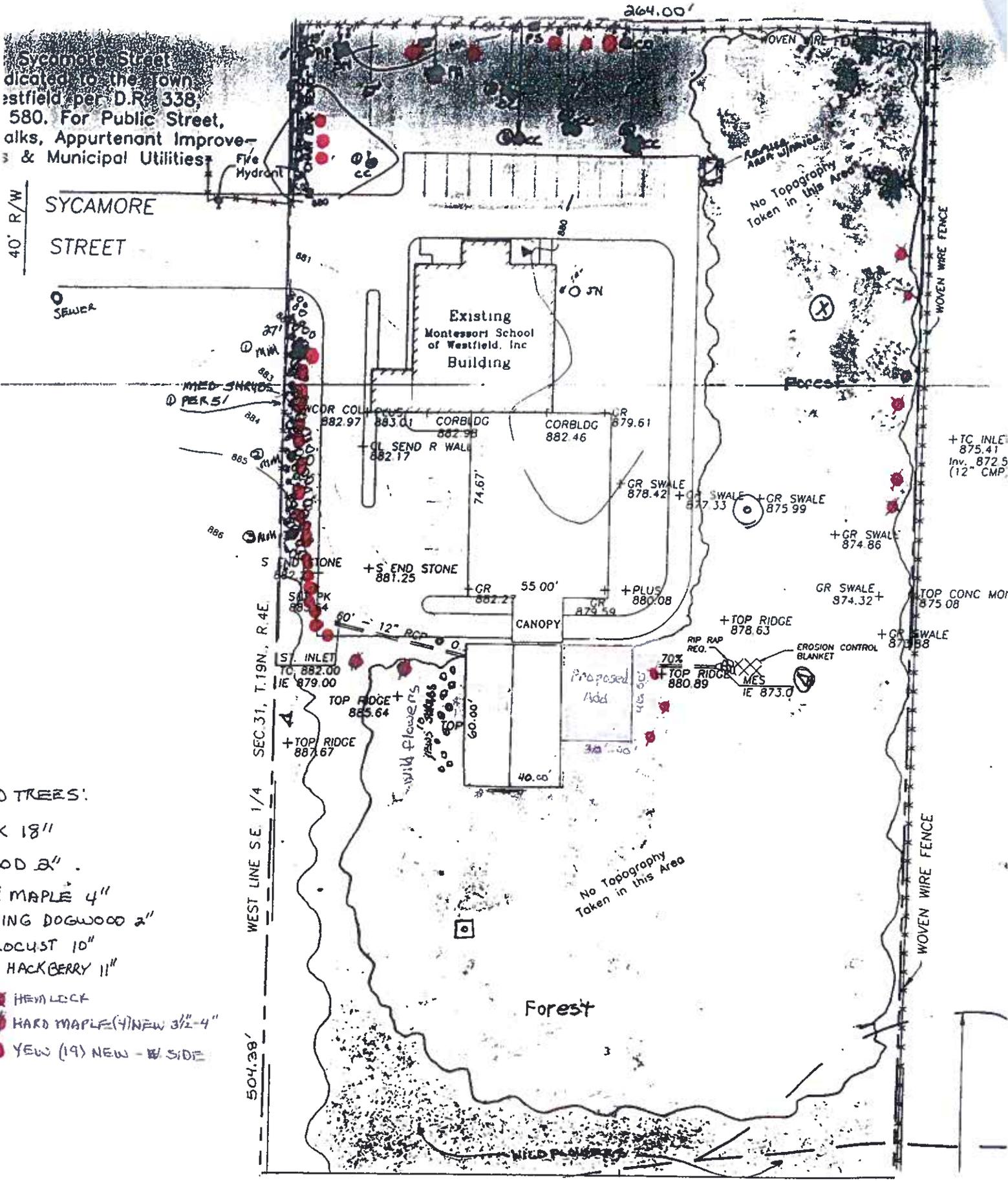
SYCAMORE
 STREET

SEWER

MED SHRUBS
 PER 5/1

SEC. 31, T. 19N., R. 4E.
 WEST LINE SE 1/4

- 0 TREES:
- K 18"
 - OD 2"
 - 3 MAPLE 4"
 - 1 KING DOGWOOD 2"
 - 1 LOCUST 10"
 - 1 HACKBERRY 11"
- HEMLOCK
 - HARD MAPLE (4) NEW 3 1/2 - 4"
 - YEW (19) NEW - W SIDE



+TC INLET
 875.41
 Inv. 872.5
 (12" CMP)

WOVEN WIRE FENCE

Forest

No Topography
 Taken in this Area

WILD PLANTS

Existing
 Montessori School
 of Westfield, Inc
 Building

Proposed
 Add

No Topography
 Taken in this Area

Forest

504.88'

264.00'

WOVEN WIRE FENCE

WOVEN WIRE FENCE

WOVEN WIRE FENCE

WOVEN WIRE FENCE

WOVEN WIRE FENCE