

WAKELY ASSOCIATES, INC.
ARCHITECTS
30500 Van Dyke Avenue Suite M-7
Warren, Michigan 48093

ADDENDUM NO. ONE
WARREN WOODS PUBLIC SCHOOLS
HAWTHORN EARLY CHILDHOOD CENTER
RENOVATIONS
Page 1 of 2 (write up only)

March 6, 2015

ADDENDUM NO. ONE to the plans and specifications for the WARREN WOODS PUBLIC SCHOOLS, HAWTHORN EARLY CHILDHOOD CENTER, RENOVATIONS, Architect's Project No. 141596, dated February 23, 2015.

The above plans and specifications are modified, supplemented or augmented as follows, and this ADDENDUM NO. ONE, is hereby made a part of the contract documents.

Pre-Bid Sign In Sheet, Revised Proposal Form, Drawings A1.0, E0.1, E1.0 & Sketches M1.2, M1.3, & M1.4 are being issued with this Addendum

GENERAL

ITEM NO. 1: Attached is Sign In Sheet from the Pre-Bid meeting on March 4, 2015.

ARCHITECTURAL

ITEM NO. A1: The Owners abatement company will remove the following items:

- a. (4) total sinks in Rooms 118 thru 121.
- b. (4) total frames & sidelights in Rooms 118 thru 121.

ITEM NO. A2: Contractor shall include in bid:

- a. (4) 8 x 4 markerboards and (10) 4 x 4 tackboards to be located in field by Owner.

ITEM NO. A3: Refer to drawing A1.0 (reissued):

- a. Added Alternate No. 2 to Bid Form to add (2) sections of casework and sink to Classrooms #108 & #109. Extend sanitary and water lines CW & HW to sinks. Price is to include any floor demo, new concrete hookups and all associated material. Provide sink S-2.

ARCHITECTURAL SPECIFICATIONS

ITEM NO. AS1: Refer to Spec Section 08112 "Hollow Metal Work" (not reissued):

- a. Add Oshkosh to list of wood door manufacturers.

ITEM NO. AS2: Refer to Spec Section 10400 "Identification Devices" (not reissued):

- a. Omit reference to Scotch Elementary & Sheiko sign schedules.
- b. Contractor shall only provide signage per Hawthorn Child Care sign schedule.

ELECTRICAL

- ITEM NO. E1:** Refer to Sheet E0.1
- a. Delete existing fire alarm audio visual devices where shown. Verify that existing to remain are operating prior to removal.
 - b. Demolition plan notes E7 thru E10 are added and referenced on plan.
- ITEM NO. E2:** Refer to Sheet E1.0
- a. Plan notes 3, 4, & 5 added and referenced on plan.
 - b. Existing floor rough-in in Classroom 107 is to be removed. See Demolition Plan.
 - c. Plant Note 2 deleted.
 - d. Additional technology outlets shown
 - e. Additional receptacle shown.
 - f. Fire alarm devices revised.
 - g. Ceiling and duct smoke detectors shown.

MECHANICAL

- ITEM NO. M1:** Refer to Drawing M1.2 (reissued):
- a. Added gas piping to the roof top units.
- ITEM NO. M2:** Refer to drawing M1.3 (reissued):
- a. Added two sinks (S-1) and all connecting pipes.
- ITEM NO. M3:** Refer to drawing M1.4 (reissued):
- a. Revised specifications for sink (S-2) and water closet.
- ITEM NO. M4:** Existing BMS is based on Novar System and is serviced by Rob Shepard at Technical Energy Solutions 616-583-6000 X 18, 616-813-6866 Cell.
rob.shepard@techenergysolutions.com

END OF ADDENDUM NO. 1

WARREN WOODS PUBLIC SCHOOLS
HAWTHORN EARLY CHILDHOOD CENTER
RENOVATIONS
WAKELY PROJECT #141596

PRE-BID MEETING
SIGN-IN SHEET
MARCH 4, 2015
3:00 P.M.

NAME	FIRM	PHONE NO.	FAX NO.	EMAIL
BILL WIENER	AXIOM CS&LLC	248-446-1104	248-446-1105	ESTHATN@AXIOMCS&LLC.COM
MIKE SKOMIAL	BERNCO INC	586 445-3700	586 445-3701	BERNCOINC@MSN.COM
GEORGE ZAITRA	DYNAMIC AIR INC	248 346 4600	248 346 0123	DYNAMIC@ATT.NET
HARVEY STABURG	SOUTHFIELD ELECTRIC	248-227-2400	248-350-2120	HTS.DJS@ATT.NET
MLS ALI HANADI	MLS	0489788736		MUSELU@AOL.COM
MARK PETERSON	Recess Liscio #149	3) 961-6093	3) 961-6071	MESJAS@YAHOO.COM
ROBERT SCOTTHILL	ELGIN BLDGS	313-965-0099	313 965 4683	BUSSTHILL@YAHOO.COM
LEIC LIANER	UD CANDLER REG	734 762-0100 313-400-3870	734 762-0669	rickg@jdcandler.com
SCOTT MYERS	LEVEL ONE HVAC	248-486-6520	248-486-6988	SMYERS@levelonehvac.com
DAVID JOWI	AKI Johnson	248-536-9990	248-536-9912	BJOWI@AKIJOHNSON.COM
ADAM GUTH	Adison on Delmar	561-231-1816	561-231-1818	ADAMGUTH@YAHOO.COM

NAME	FIRM	PHONE NO.	FAX NO.	EMAIL
MIKE SCHNEIDER	M.L. SCHNEIDER CONSTRUCTION	(586) 739 2010	(586) 739 2043	m.schneiderconstruction@yahoo.com
MIKE FRENCH	D & S (SKYLINE)	586 498 9595	" 9292	m.french@skylineelectrical.com
Ahmed Abdullah	Detroit Contracting	248 268 4951	248 268 4968	Ahmed.Abdullah@dcseng.com
MATT RONS	D & S CONT.	248-584-4848	248-584-4889	mrons@dscntrctng.com
DAVE GARAVAGLIA	Scheema Roofing	586-949-4777	586-949-8080	dgaravaglia@scheemaroofing.com
CHRIS BOUTEN	JJ Boney	248-765-7658	248-844-5468	Chouten@jjboney.com
MICHELLE ADAMSKI	JJ Boney	248-844-5460	248-844-5468	M.Adamski@jjboney.com
TEANIS OLIVERA	ENVISION CONSTRUCTION	(248) 305 8181	(248) 305-8183	travis@envisionbuilders.net
MIKE SMITH	FALEON ROOFERS	248-804-4883	2-535	MIKE@FALEONROOFERS.com
John Meteyan	EXPERT Heating	734-676-4488	734-676-6183	JMeteyan@ExpertHeating.com
TEANIS OLIVERA	VISION CONSTRUCTION	248-333-7448		teanisa@vision.com
JOE LOUGUSKI	HATLEN HEATING	248 709 2404		JLouguski 7 @ Gmail.com

WARREN WOODS PUBLIC SCHOOLS
HAWTHORN EARLY CHILDHOOD CENTER
RENOVATIONS

141596

FEBRUARY 23, 2015

SECTION 00311 - PROPOSAL FORM/ALL TRADES

Name of Contractor

Address, City, Zip

Phone # / Fax #

Email Address

PROJECT

WARREN WOODS PUBLIC SCHOOLS
WARREN WOODS HAWTHORN EARLY CHILDHOOD CENTER
RENOVATIONS

OWNER

WARREN WOODS PUBLIC SCHOOLS
12900 FRAZHO ROAD
WARREN, MICHIGAN 48088

ARCHITECT

WAKELY ASSOCIATES, INC.
30500 VAN DYKE AVENUE SUITE M-7
WARREN, MI 48093

BASE PROPOSAL

Pursuant to and in compliance with the Invitation to Bid and the Instructions to Bidders, and having carefully examined the Bidding Documents and all Addenda, the undersigned agrees to enter into an agreement with the Owner to complete the work in accordance with the said Bidding Documents for the sum of:

(Sum to be written out)

Dollars \$_____

Cost of bond (if bid is less than \$50,000: if bid is \$50,000 or higher, bond cost is to be included in bid)

Dollars \$_____

WARREN WOODS PUBLIC SCHOOLS
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141596

FEBRUARY 23, 2015

ALTERNATES

The undersigned further proposes to execute the work specified in the respective technical division or indicated on the drawings for the sum added to the base proposal as stated below:

ALTERNATE NO. 1: Provide cost difference to provide and install 12" x 12" VCT in lieu of the base bid rubber flooring. Note: Multiple colors and patterns of VCT will be used. VCT shall be watercut to match designs/shapes indicated for the rubber floor. VCT used shall all have standard textures. Note: Cost is to include VCT cut and laid diagonally.

ADD/DEDUCT: _____

_____ Dollars \$ _____

ALTERNATE NO. 2: Provide cost to add (2) sections of casework and sink to Classrooms #108 & #109.

ADD: _____

_____ Dollars \$ _____

VOLUNTARY ALTERNATES

The following voluntary alternates are offered by the bidder. The undersigned agrees that the amounts indicated below shall be added to or deducted from the Base Bid, as the case may be, for each alternate which is accepted.

<u>Description of Voluntary Alternates</u>	<u>Add</u>	<u>Deduct</u>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____

WARREN WOODS PUBLIC SCHOOLS
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141596

FEBRUARY 23, 2015

PRICE GUARANTEE

The undersigned proposes that the price stated in this Proposal is guaranteed for sixty (60) consecutive days from bid date.

TAXES

The undersigned acknowledges that the price stated above includes all taxes of whatever character or description.

SUPPLEMENTAL FEES

For additional work performed upon instruction of the Owner by subcontractors of the undersigned, add to the subcontractor's prices for such additional work a fee of _____% which includes all the charges of the undersigned for overhead and profit.

Any additional work performed upon instructions of the Owner by persons other than the subcontractors of the undersigned, the charges will be actual cost of all labor and materials (less all discounts) plus the fee of _____% which includes all the charges of the undersigned for overhead and profit and to which shall be added the actual cost of insurance and taxes.

Each proposal covering extra work shall be accompanied with complete itemized material and labor breakdowns.

For all revisions involving the deletion of contract work, it is agreed that full credit shall be given the Owner for such work deleted, including overhead and profit as quoted hereinbefore.

TIME OF COMPLETION

The undersigned agrees to commence work operations immediately upon the last day of school, Wednesday, June 17, 2015, with substantial completion of the work by Monday, August 31, 2015, and that the proposed bid is in full consideration of this.

ADDENDA

If any addenda or bulletins covering changes to the Bidding Documents have been received during the bidding period, the bidder shall fill in their numbers and dates which acknowledges having received same, and having included in this Proposal the work involved:

Dated _____

Dated _____

Dated _____

WARREN WOODS PUBLIC SCHOOLS
HAWTHORN EARLY CHILDHOOD CENTER
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141596

FEBRUARY 23, 2015

BID SECURITY

A bid bond executed by a U.S. Treasury Listed Surety Company acceptable to Warren Woods Public Schools or a cashier's check in the amount of at least 5% of the sum of the proposal payable to Warren Woods Public Schools shall be submitted with each proposal in excess of \$23,126. All proposals shall be firm for a period of sixty (60) days.

PERFORMANCE AND LABOR BOND

Successful bidders whose proposals are \$50,000 or more will be required to furnish a U.S. Treasury Listed Company Performance and Payment Bond in the amount of 100% of their bid. The cost of the Bond shall be included in each proposal.

Bidders are to indicate cost of bond on the Bid Form if total bid is less than \$50,000. Owner will make a decision if bond is required on all bids less than \$50,000.

The Board of Education reserves the right to reject any and/or all bids in whole or in part and to waive any informality therein. The Board of Education reserves the right to accept that bid which in its opinion, is in the best interest of the Owner.

FAMILIAL DISCLOSURE

Bidder has included Sections 00401 Familial Disclosure Form and the Section 00401A Iran Economic Sanctions Act Form (bid will not be read without these forms)

NEGOTIATION

The undersigned agrees that, should the overall cost exceed the funds available, he will be willing to negotiate with the Owner and Architect for the purpose of making further reductions in the Contract work, and shall agree to give full credit for all such reductions in the work requested by the Owner, including full value of labor, materials, and subcontract work and reasonable proportionate reductions in overhead and profit, thereby arriving at an agreed upon Contract price.

WARREN WOODS PUBLIC SCHOOLS
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141596

FEBRUARY 23, 2015

CONTRACT EXECUTION

The undersigned agrees to execute a Contract for work covered by this Proposal, provided that he be notified of its acceptance within sixty (60) days after the opening of bids.

The undersigned hereby declares that he has the legal status checked below:

() Individual

() Partnership having the following partners:

() Corporation incorporated under the State laws of:

This proposal is submitted in the name of, and notice of acceptance should be mailed, faxed, or delivered to:

Date:

Firm's Name:

Phone No. () _____

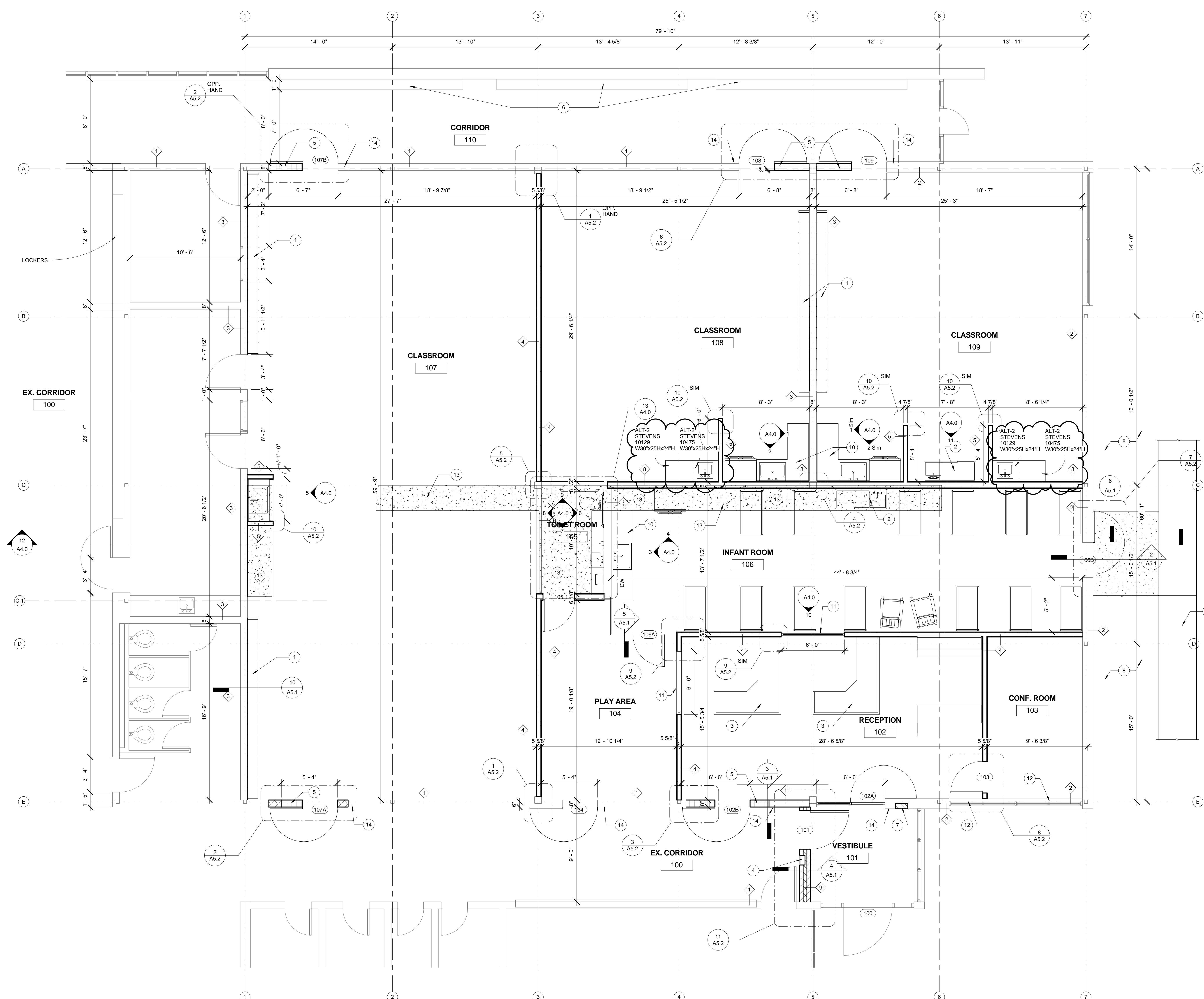
By:

(Signature)

In the presence of:

Title:

END OF SECTION 00311

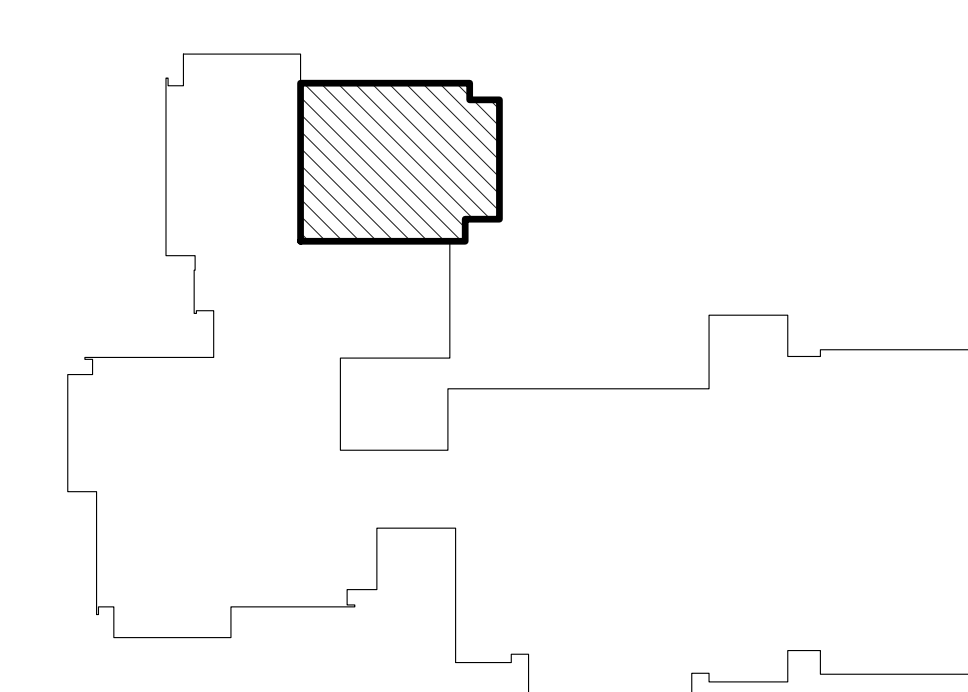


1
A1.0
FIRST FLOOR PLAN
1/4" = 1'-0"


- WALL TYPES:
- 1 EXISTING 4" BRICK VENEER
EXISTING 4" CMU
 - 2 EXISTING 4" BRICK VENEER
EXISTING 8" CMU
 - 3 EXISTING 8" CMU NOMINAL
 - 4 (2) LAYERS 1/2" GYP. BOARD ON 3-5/8" METAL STUDS @ 16" O.C. W/ SOUND BATT INSUL. - (2) LAYERS OF 1/2" GYP. BOARD. EXTEND WALL TIGHT TO DECK U.N.O.
 - 5 5/8" GYP BOARD ON BOTH SIDES OF 3-5/8" METAL STUDS @ 16" O.C. EXTEND WALL 8" ABOVE FINISHED CEILING
 - 6 (2) LAYERS 1/2" GYP. BOARD ON 3-5/8" METAL STUDS @ 16" O.C. W/ SOUND BATT INSUL. - 1/2" GYP. BOARD, 1/2" WR GYP. BOARD, CEMENTITIOUS BOND COAT, PORCELAIN CERAMIC TILE - EXTEND WALLS TIGHT TO DECK
 - 7 (2) LAYERS 1/2" GYP. BOARD ON 6" METAL STUDS @ 16" O.C. W/ SOUND BATT INSUL. - (2) LAYERS 1/2" GYP. BOARD, WATER RESISTANT CEMENTITIOUS BOND COAT, PORCELAIN CERAMIC TILE - EXTEND WALLS TIGHT TO DECK
 - 8 (2) LAYERS 1/2" GYP. BOARD ON 6" METAL STUDS @ 16" O.C. W/ SOUND BATT INSUL. - (2) LAYERS 1/2" GYP. BOARD - EXTEND WALLS TIGHT TO DECK
 - 9 4" BRICK, 4" CMU, 4" BRICK

NOTE: PROVIDE NON-COM SOLID WOOD BLOCKING IN GYP. BOARD WALLS TO FACILITATE ANCHORING OF TOILET ACCESSORIES AND CASEWORK

- PLAN NOTES:
- 1 NEW CUBBIES PROVIDED BY OWNER
 - 2 NEW CHANGING STATION
 - 3 NEW CUBICLE/RECEPTION DESK
 - 4 NEW FEC LOCATION
 - 5 NEW FIRE-RATED GLASS BLOCK
 - 6 EX. LOCKERS
 - 7 INFILL FEC LOCATION WITH NEW BRICK
 - 8 EX. LANDSCAPING BED
 - 9 EX. CONCRETE WALK
 - 10 NEW KITCHENETTE CASEWORK BY STEVENS, REFRIGERATOR PROVIDED BY OWNER (SEE INTERIOR ELEVATIONS A4.0)
 - 11 NEW BORROWED LIGHTS (6'-0"x4'-0")
 - 12 REMOVE EXISTING WINDOW BLINDS AND ASSOCIATED HARDWARE. PREPARE EXISTING WALL SURFACE FOR INSTALLATION OF NEW SHADES. FIELD VERIFY ALL DIMENSIONS. SEE SPECS FOR SHADE INFORMATION.
 - 13 4" CONCRETE W1.4 x W1.4 WWF ON 15 MIL VAPOR BARRIER ON 4" COMP. GRANULAR MATERIAL. SLOPE NEW CONC. TO NEW FLOOR DRAIN
 - 14 REMOVE EXISTING AND INSTALL NEW DOOR SIGNAGE (SEE SPECS)
- NOTE: REFER TO A1.1 FOR FINISH FLOORING PATTERNS
REFER TO M1.3 FOR SANITARY LINE LOCATIONS



KEY PLAN



WAKELY ASSOCIATES, INC.
ARCHITECTS

30500 VAN DYKE AVENUE
SUITE M-7
WARREN, MICHIGAN 48093
PH: 586.573.4100
FX: 586.573.0822
www.wakelyaia.com

WARREN WOODS PUBLIC SCHOOLS

HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS

WARREN, MI

FLOOR PLAN

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

DRAWN BY: MTS
CHECKED BY: RAS

REVISIONS:
MARCH 6, 2015 ADDENDUM 1

DATE: 02.23.2015
SHEET NO.:

A1.0

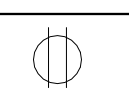

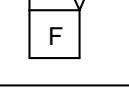
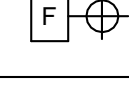
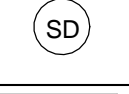

JOB NO.: 141596

WARREN WOODS PUBLIC SCHOOLS
HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS
WARREN, MIFIRST FLOOR PLAN ELEC.
DEMOPRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORDDRAWN BY: MTS
CHECKED BY: DMREVISIONS:
MARCH 6, 2015 ADDENDUM 1DATE: 02/19/15
SHEET NO.:

E0.1

JOB NO.: 141596

ELECTICAL SYMBOLS:

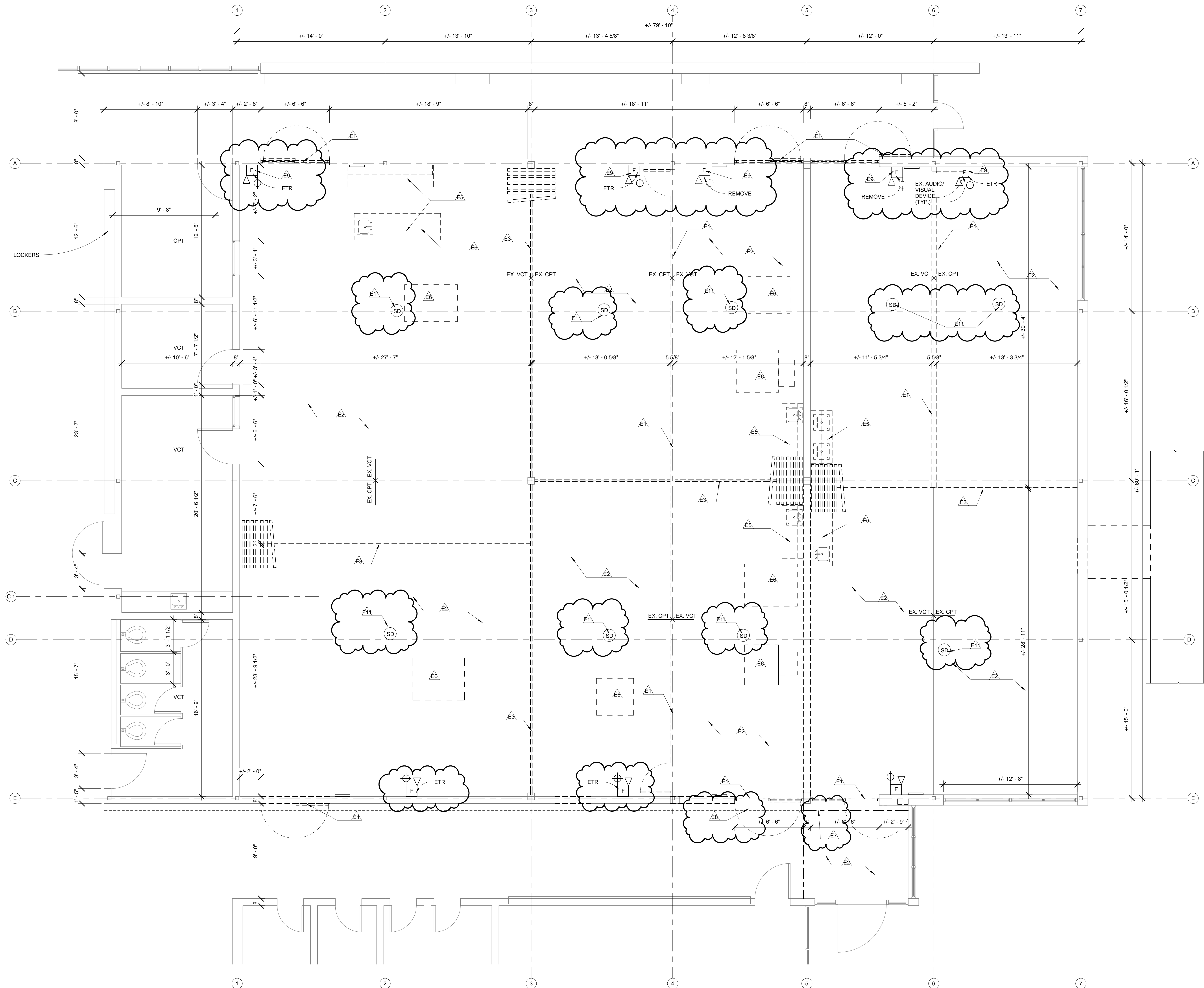
SYMBOL	DESCRIPTION
	DUPLEX OUTLET
	TECHNOLOGY OUTLET
	FIRE ALARM HORN/STROBE
	FIRE ALARM STROBE
	SMOKE DETECTORS
	COMBINATION TECHNOLOGY OUTLET AND DUPLEX RECEPTACLE WITH 4000 WIREMOLD

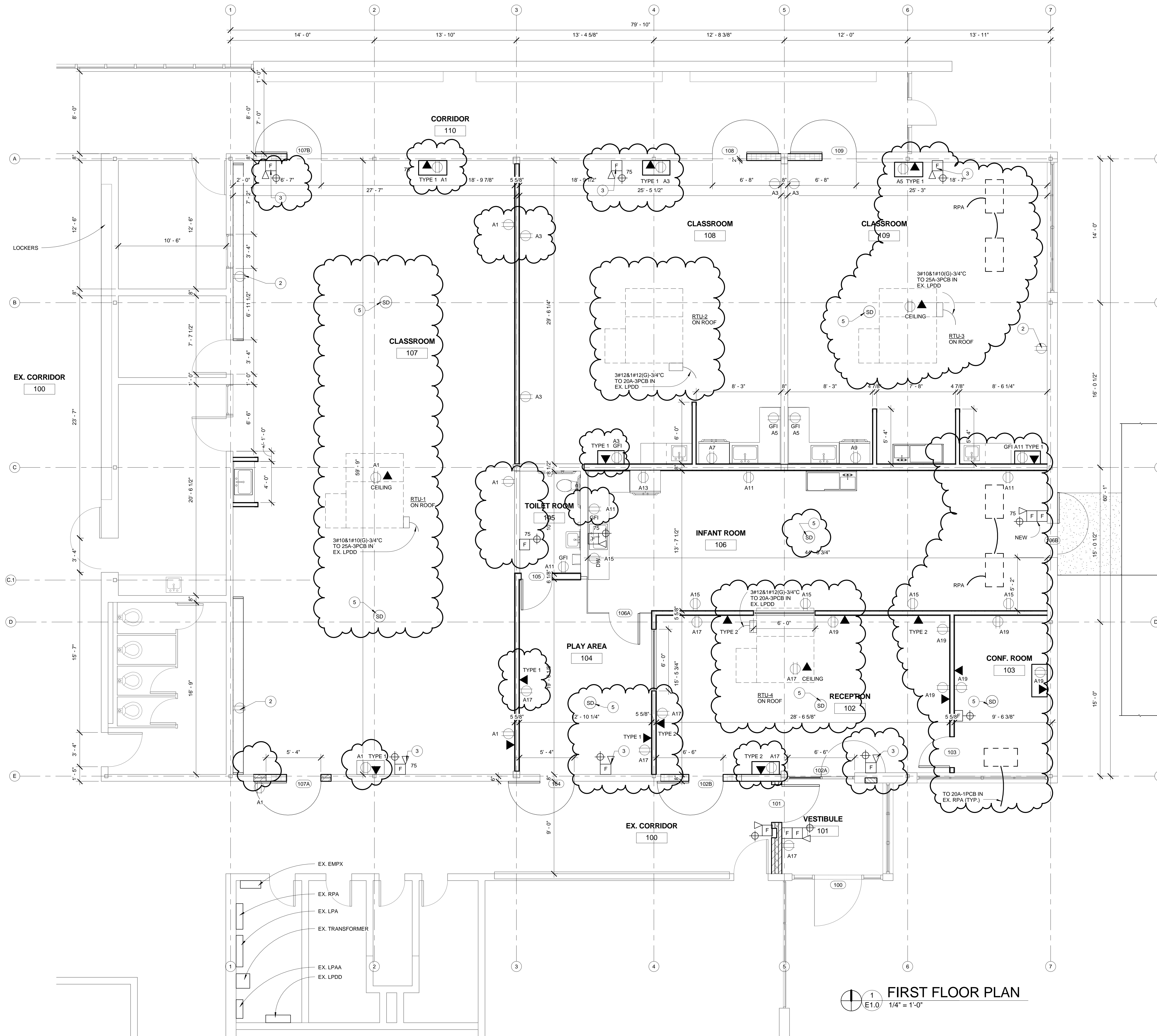
ELECTRICAL DEMOLITION PLAN NOTES

- 1 REMOVE EXISTING RECEPTACLES, LOW VOLTAGE DEVICES, FIRE ALARM DEVICES, CLOCKS AND SIMILAR EQUIPMENT ON WALLS TO BE REMOVED. ALL EQUIPMENT IS NOT NECESSARILY SHOWN. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 2 REMOVE EXISTING LIGHTING, DETECTORS AND SIMILAR ELECTRICAL EQUIPMENT AT CEILINGS TO BE REMOVED.
- 3 REMOVE POWER SOURCES AND CONTROLS FOR EXISTING OPERABLE PARTITIONS, WHICH ARE TO BE REMOVED.
- 4 REMOVE ALL ELECTRICAL BRANCH CIRCUITS SERVING EXISTING MECHANICAL EQUIPMENT, TO BE REMOVED, BACK TO SOURCE. SEE MECHANICAL DOCUMENTS FOR ADDITIONAL INFORMATION.
- 5 REMOVE ALL ELECTRICAL OUTLETS AND ASSOCIATED BRANCH CIRCUITS AND LOW VOLTAGE DEVICES AND RACEWAY AT CASEWORK TO BE REMOVED.
- 6 DISCONNECT MECHANICAL UNIT AND WIRING BACK TO SOURCE. REMOVE ASSOCIATED STARTERS, SWITCHES, ETC. SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- 7 REMOVE EXISTING LIGHTING ALONG WALL. SEE ARCH. DRAWING FOR EXTENT OF DEMOLITION.
- 8 REMOVE 2 LAMP, 4' STRIP WHICH INTERFERES WITH NEW WALL CONSTRUCTION. PROVIDE NEW 2' OR 3' 2 LAMP STRIP TO EXTEND EXISTING LIGHTING TO NEW WALL. FIELD MEASURE. VERIFY VOLTAGE.
- 9 REMOVE EXISTING FA AUDIO/VISUAL DEVICE. VERIFY DEVICE TO REMAIN IS IN GOOD WORKING ORDER PRIOR TO REMOVAL.
- 10 REMOVE EXISTING ROUGH-IN FLOOR. REMOVE WIRING BACK TO SOURCE. CUT CONDUIT AND PATCH FLOOR.
- 11 REMOVE EXISTING SMOKE DETECTORS, STORE AND REINSTALL ON NEW CEILING.

DEMOLITION GENERAL NOTES:

- 1 REMOVE ALL WIRING SERVING EXISTING REMOVED ELECTRICAL DEVICES. LIGHTING, LOW VOLTAGE DEVICES, FIRE ALARM DEVICES, CLOCKS AND SIMILAR EQUIPMENT BACK TO SOURCE. EXISTING RACEWAYS, WHICH ARE NOT EXPOSED, MAY BE REUSED IF SUITABLE AND INSTALLED PER NEC.
- 2 ALL NEW RECEPTACLES TO BE TAMPER PROOF TYPE. REPLACE ALL EXISTING RECEPTACLES TO REMAIN IN OCCUPIED AREAS TO TAMPER PROOF TYPE. NOT ALL EXISTING RECEPTACLES ARE NECESSARILY SHOWN.

1
E0.1
ELEC. DEMOLITION PLAN
1/4" = 1'-0"

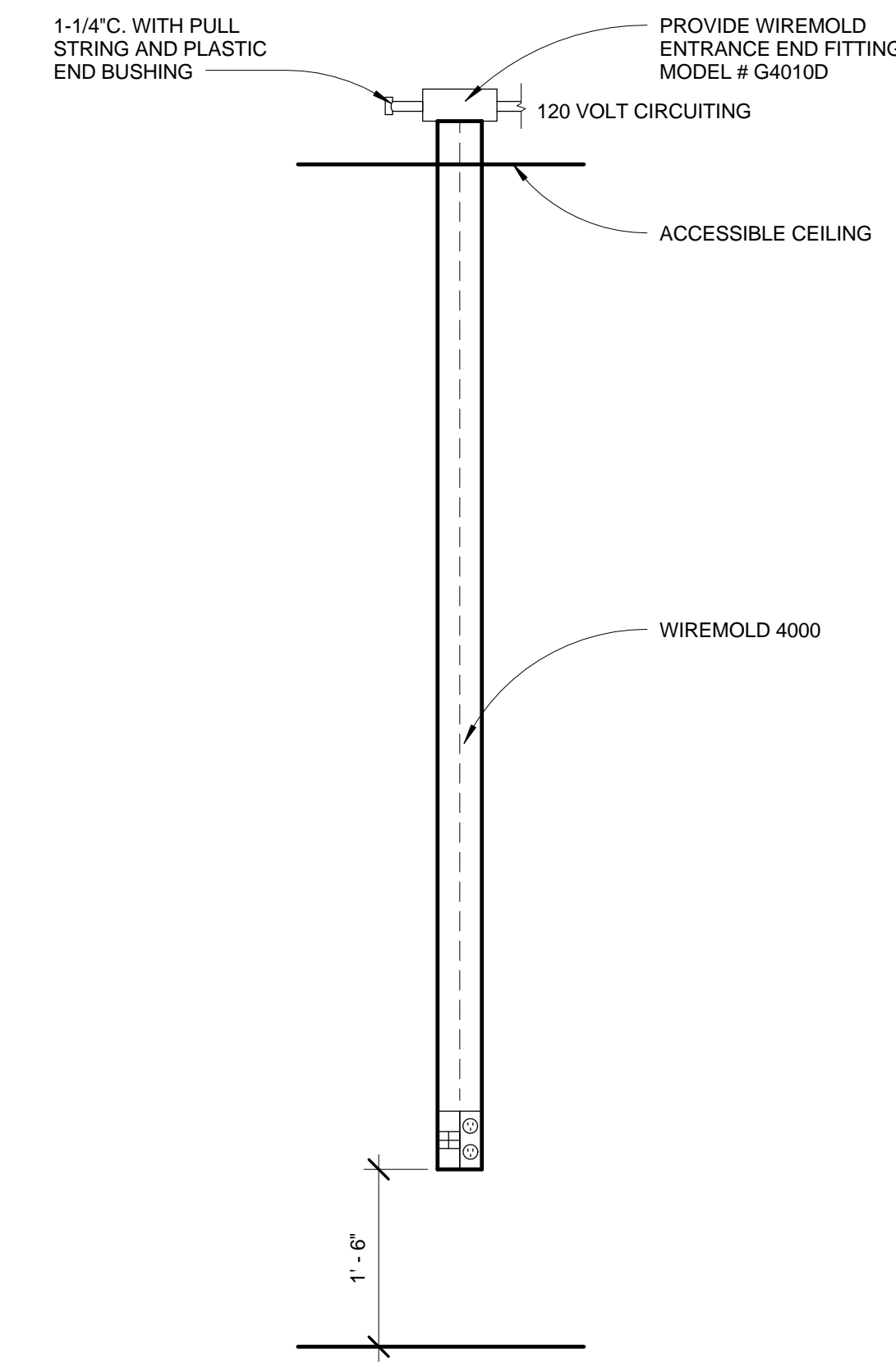


ELECTRICAL SYMBOLS:	
	DUPLEX OUTLET
	TECHNOLOGY OUTLET
	FIRE ALARM HORN/STROBE
	FIRE ALARM STROBE
	SMOKE DETECTORS
	COMBINATION TECHNOLOGY OUTLET AND DUPLEX RECEPTACLE WITH 4000 WIREMOLD

- ELECTRICAL PLAN NOTES:
- APPROX. LOCATION OF EXISTING WALL RECEPTACLE. PROVIDE NEW TAMPERPROOF DEVICES
 - NOT USED
 - EXISTING HORN/ STROBE TO REMAIN
 - ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED
 - RE-INSTALL EXISTING SMOKE DETECTORS ON NEW CEILINGS AND RECONNECT TO FA SYSTEM CONTROL PANEL
 - PROVIDE NEW DUCT DETECTORS (2) PER NEW ROOF TOP UNIT. CONNECT TO SHUT-DOWN UNIT IN PRESENCE OF SMOKE AND TO EXISTING FIRE ALARM PANEL PER MFGRS REQUIREMENTS. LOCATED WHERE DIRECTED BY MECH TRADES.

- NOTES:
- PROVIDE SINGLE PHASE STARTERS FOR NEW EF-1, EF-2 AND EF-3 CONNECT FANS TO 20A-1P CB IN EX. RPA - LOCATE STARTERS IN ELECTRICAL ROOM
- TECHNOLOGY NOTES:
- INDICATES NEW CAT-6 DATA DROP. TYPE 1 TO INCLUDE A TOTAL OF (2) DATA DROPS. (1-ORANGE JACK AND 1-BLACK JACK W/ BLUE CABLING).
 - INDICATES NEW CAT-6 DATA DROP. TYPE 2 TO INCLUDE A TOTAL OF (3) DATA DROPS. (2-ORANGE JACKS AND 1-BLACK JACK W/ BLUE CABLING).
 - INDICATES NEW CAT-6 DATA DROP TO BE LOCATED IN CEILING. THIS TYPE TO INCLUDE A TOTAL OF (1) DATA DROP (1-ORANGE JACK W/ GREEN CABLING) FOR FUTURE USE.

- GENERAL TECH NOTES:
- ALL DATA DROPS ON NEW WALLS TO BE FLUSH MOUNTED WITH 1" TO ACCESSIBLE CEILING.
 - CEILING MOUNTED TO BE FLUSH TO CEILING.
 - ALL DATA DROPS ON EXISTING WALLS TO BE MOUNTED IN WIREMOLD 4000 RACEWAY WITH DUPLEX RECEPTACLE SIMILAR TO EXISTING DROPS (SEE DETAIL)



SURFACE MOUNTED DATA/POWER DROP DETAIL
NO SCALE

1
E1.0 1/4" = 1'-0"

WAKELY ASSOCIATES, INC.
ARCHITECTS

30500 VAN DYKE AVENUE
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WARREN WOODS PUBLIC SCHOOLS

HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS

WARREN, MI

FIRST FLOOR ELEC. PLAN

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

DRAWN BY: MTS
CHECKED BY: DM

REVISIONS:
MARCH 6, 2015 ADDENDUM 1

DATE: 02/19/15
SHEET NO.:

E1.0

JOB NO.: 141596

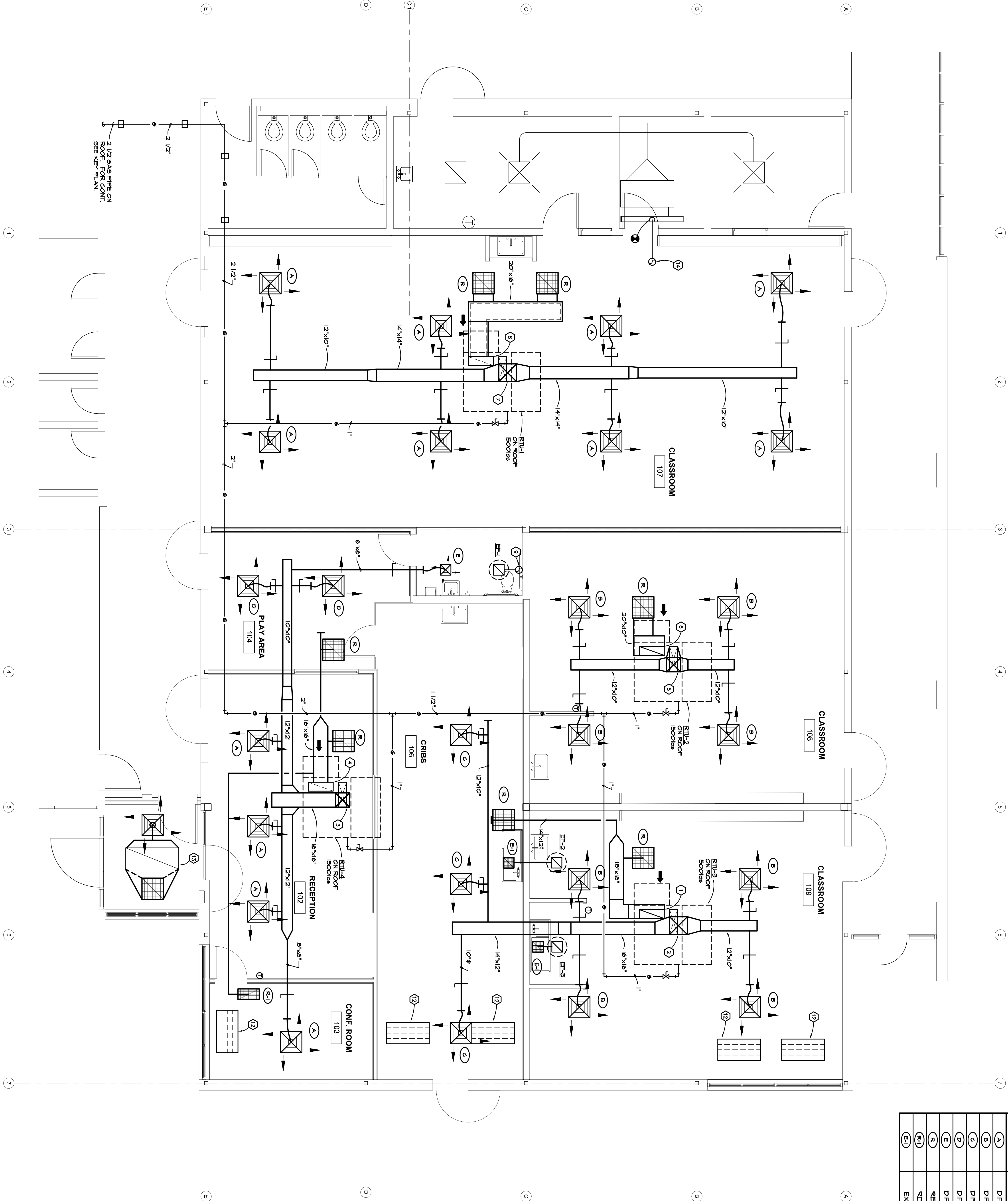
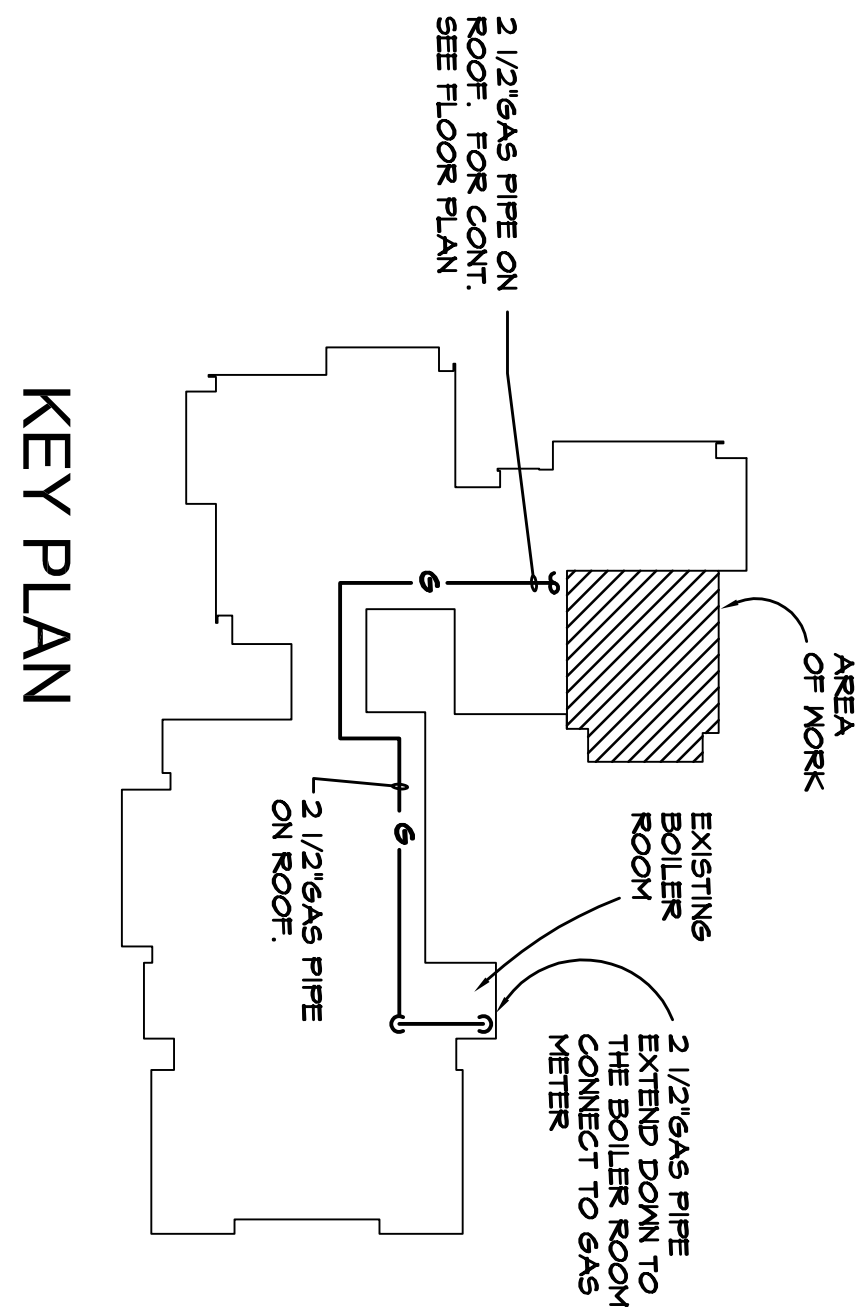
DIFFUSERS, REGISTERS SCHEDULE				
PLAN CODE	TYPE	CFM	NECK SIZE	MODEL No.
(A)	DIFF	250	8"φ	TM6A-AA
(B)	DIFF	275	8"φ	TM6A-AA
(C)	DIFF	300	10"φ	TM6A-AA
(D)	DIFF	200	8"φ	TM6A-AA
(E)	DIFF	50	6"φ	TDCA-AA
(R)	REG	-	22"x22"	50R
(R)	REG	-	24"x6"	50R
(E)	EXH	300	8"x8"	23R

GAS PIPE NOTES:

1. INSTALL GAS PIPE ON ROOF. EXTEND PIPE TO NEW ROOF TOP UNITS.
2. INSTALL GAS PIPE ON PRE-FAB GAS PIPE SUPPORTS ON ROOF 6'-0" ON CENTER.
3. ALL EXPOSED TO WEATHER GAS PIPES SHALL BE PAINTED WITH TWO COATINGS OF ANTI CORROSION PAINT.

PLAN NOTES:

1. 18"x18" TRANSITION TO RTU-3 RETURN AIR OPENING.
2. 18"x18" TRANSITION TO RTU-3 SUPPLY AIR OPENING.
3. 16"x16" TRANSITION TO RTU-4 SUPPLY AIR OPENING.
4. 16"x16" TRANSITION TO RTU-4 RETURN AIR OPENING.
5. 14"x14" TRANSITION TO RTU-2 SUPPLY AIR OPENING.
6. 14"x14" TRANSITION TO RTU-2 RETURN AIR OPENING.
7. 18"x18" TRANSITION TO RTU-1 SUPPLY AIR OPENING.
8. 20"x16" TRANSITION TO RTU-1 RETURN AIR OPENING.
9. 6"φ TO ABOVE FINISHED ROOF. TERMINATE WITH GOOSE NECK AND BIRD SCREEN.
10. 8"x8" TO EXHAUST FAN EF-3 ON ROOF.
11. 8"x8" TO EXHAUST FAN EF-3 ON ROOF.
12. 24"x48" RADIANT CEILING PANEL, 500 WATTS, 120V/60 FOR T-BARR.
13. INSTALLATION FINISH WITH THERMOSTAT.
14. EXISTING FAN COIL AT CEILING RISER. REV/ISE SUPPLY-RETURN DUCTS. INSTALL NEW DUCTS AND CONNECT TO CEILING DIFFUSER AND RETURN AIR REGISTER.
15. 6" C.A. PIPE CONNECT TO EXISTING C.A. PLUMB SERVING FAN COIL. EXTEND PIPE 24" ABOVE FINISHED ROOF. TERMINATE WITH GOOSE NECK AND BIRD SCREEN.



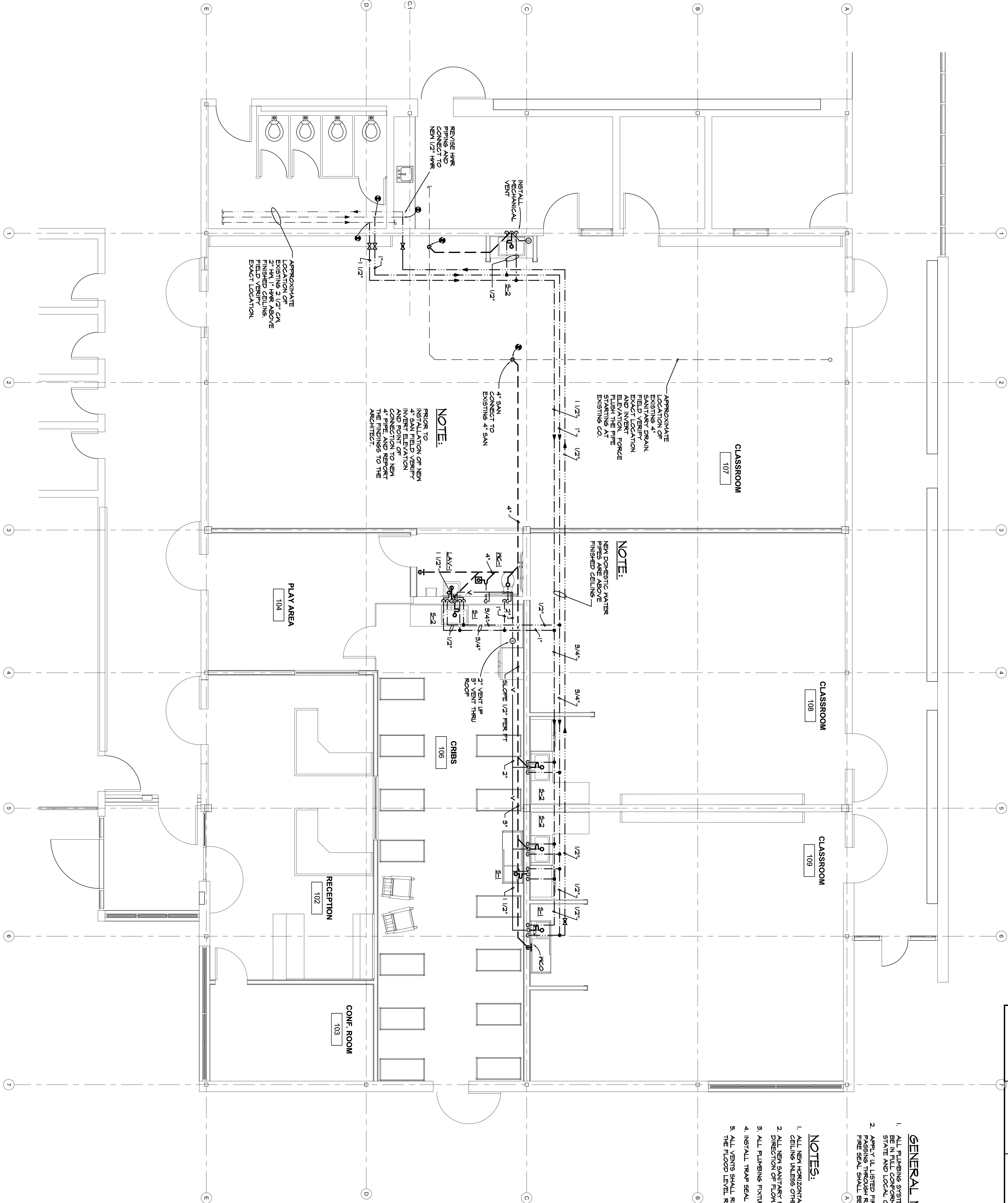
PLUMBING FIXTURE SCHEDULE				
FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
WC-1	1/2"	-	4"	2"
LAV-1	1/2"	1/2"	1 1/2"	1 1/2"
S-1, S-2	1/2"	1/2"	1 1/2"	1 1/2"

GENERAL NOTES:

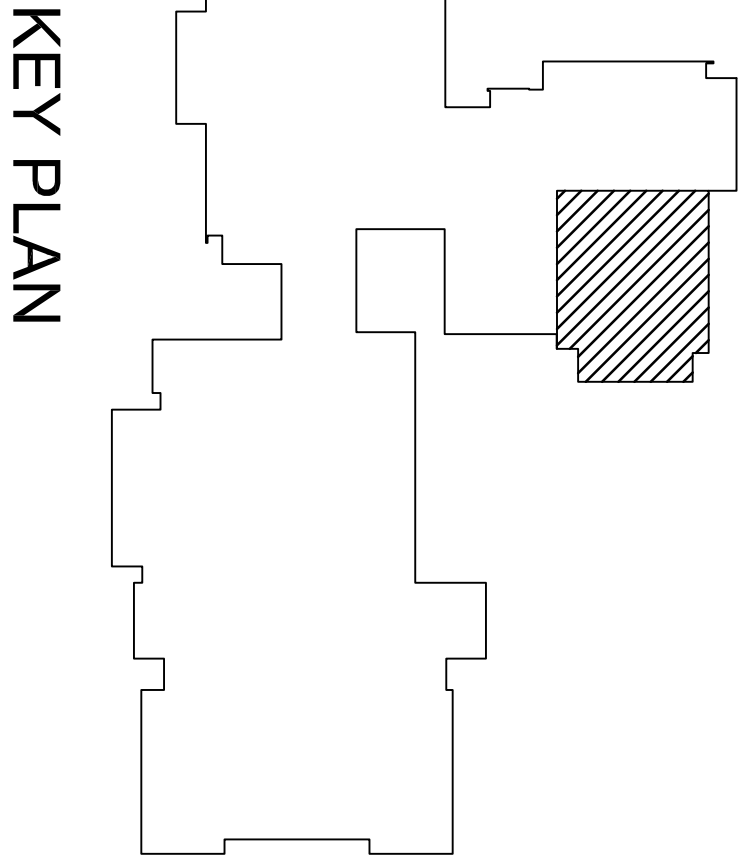
1. ALL PLUMBING SYSTEM INSTALLATION SHALL BE IN FULL CONFORMANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CONSTRUCTION LAWS.
2. APPLY ALL LISTED FIPSE SEAL AROUND ALL PIPES, FITTINGS, THROUGH-ROOF WAYS AND RAISED FLOORS. FIPSE SEAL SHALL BE 3/4" OR THEREAFTER (FIPSE 141717).

NOTES:

1. ALL NEW HORIZONTAL VENT PIPES ARE ABOVE FINISHED CEILING UNLESS OTHERWISE NOTED.
2. ALL NEW SANITARY PIPES TO BE SLOPED AT 1/4" PER FT. IN DIRECTION OF FLOW.
3. ALL PLUMBING FIXTURES SHALL BE INDIVIDUALLY TRAPPED.
4. INSTALL TRAP SEAL RUNNER FOR FLOOR DRAIN.
5. ALL VENTS SHALL RISE VERTICALLY A MINIMUM OF 6" ABOVE THE FLOOD LEVEL, RIM OF THE HIGHEST TRAP BEING VENTED.



FIRST FLOOR PLAN - PLUMBING



KEY PLAN

