



WARREN WOODS PUBLIC SCHOOLS HAWTHORN EARLY CHILDHOOD CENTER - RENOVATIONS

12900 FRAZHO ROAD WARREN, MI 48089 586.439.4417

ISSUED FOR: BIDS
DATE: FEBRUARY 23, 2015
PROJECT NO.: 141596

ARCHITECT:



WAKELY ASSOCIATES, INC./ARCHITECTS
30500 VAN DYKE AVE., SUITE M-7, WARREN, MI 48093, 586.573.4100

STRUCTURAL ENGINEER:



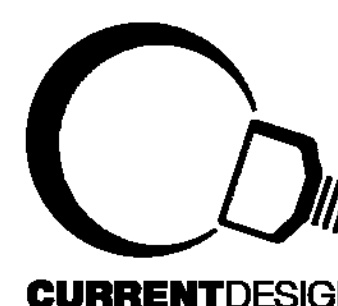
DESAI NASR
6765 DALY RD., WEST BFLD TWP, MI 48322, 248.932.2010

MECHANICAL ENGINEER:



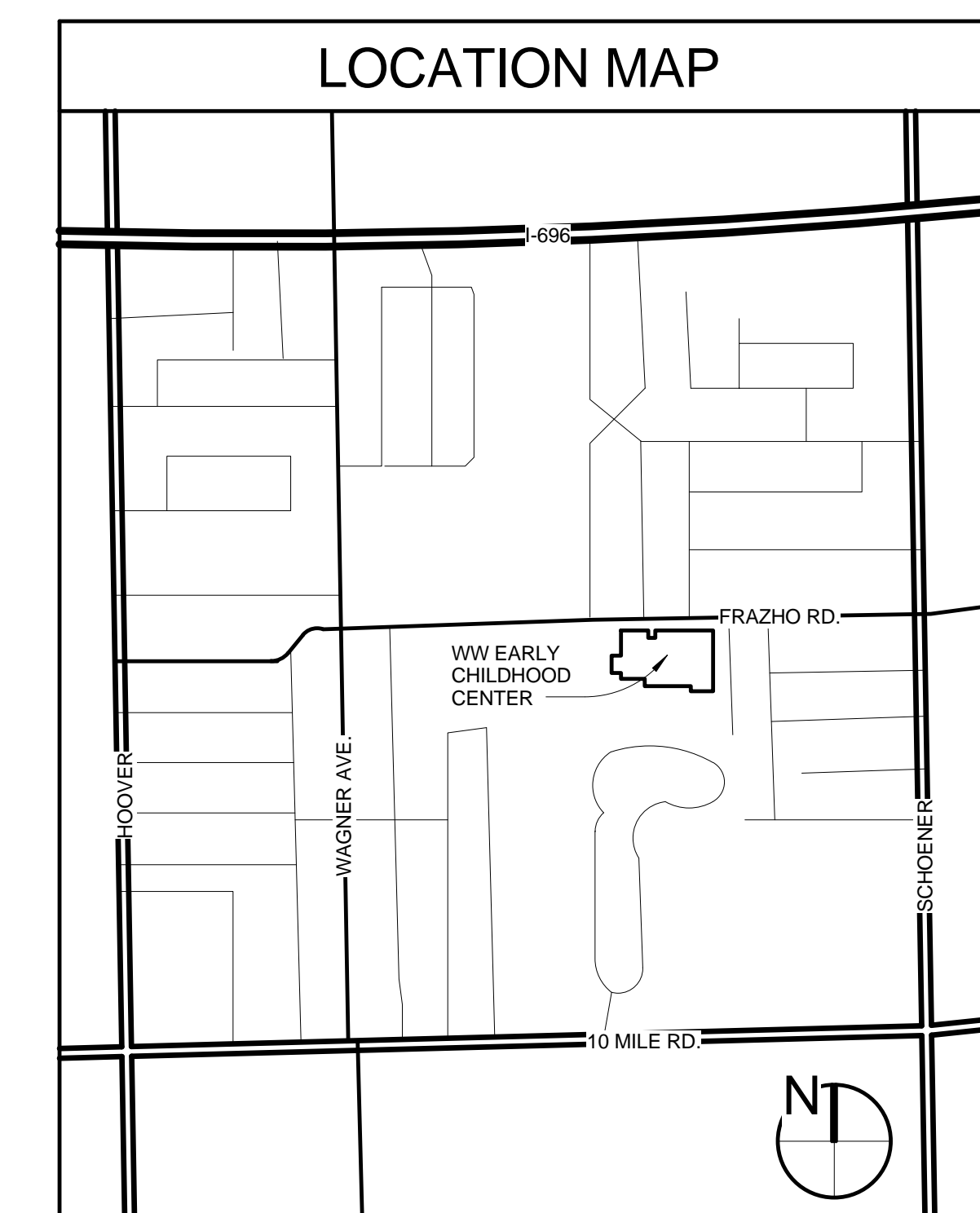
MLS ENGINEERING, INC.
43494 WOODWARD AVE. STE. 207, BFLD HILLS, MI 48302, 248.742.9348

ELECTRICAL ENGINEER:



CURRENT DESIGN, LLC.
1290 BROOK LANE, ROCHESTER HILLS, MI 48306, 248.651.3681

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**WARREN WOODS PUBLIC SCHOOLS
HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS
WARREN, MI**

LIFE SAFETY

PRELIMINARY ■
DESIGN DEVELOPMENT ■
CONSTRUCTION ■
FINAL RECORD □

DRAWN BY: MTS
CHECKED BY: RAS

REVISIONS:

DATE: 02/23/15
SHEET NO.:

LS1.0

JOB NO: 141596

BUILDING CODE SUMMARY:

PROJECT: WARREN WOODS EARLY CHILDHOOD CENTER RENOVATIONS
ADDRESS: 12900 FRAZHO ROAD, WARREN, MI 48089
PROPOSED USE: BUSINESS USE GROUP / PRESCHOOL
REFERENCE CODES:
BUILDING: 2012 MBC, STATE OF MICHIGAN LICENSING RULES FOR CHILD CARE CENTERS
MECHANICAL: NFPA 101, 1997 EDITION
PLUMBING: MICHIGAN MECHANICAL CODE 2012 EDITION
ELECTRICAL: MICHIGAN PLUMBING CODE 2012 EDITION
CONSTRUCTION TYPE: MBC TYPE 2B (NFPA 101 11-000)
SPRINKLER SYSTEM: NON-SPRINKLED
BUILDING HEIGHT, PERMITTED: 2-STORY, 55 FEET
ACTUAL: 1-STORY, 15 FEET
MEZZANINE: NO
HIGH RISE: NO
GROSS BUILDING AREA: (EXISTING)
GRADE LEVEL: 90,622 SQ. FT.
EX. PRESCHOOL WING: 25,924 SQ. FT.
EX. BUSINESS USE GROUP WINGS: 64,698 SQ. FT.
TOTAL GROSS AREA: 90,622 SQ. FT.
GROSS BUILDING AREA: (RENOVATION)
TOTAL EXISTING RENOVATED PRESCHOOL GROSS AREA: 6,180 SQ. FT.
AREA MODIFICATION APPLIED: NO
PERIMETER MODIFICATIONS APPLIED: YES
2009 MBC ALLOWABLE TABULAR AREA (TABLE 503)
I = % INCREASE FOR OPEN PERIMETER (506.2)
Is = % INCREASE FOR AUTOMATIC SPRINKLERS (506.3)
Aa = [At + (At x If) + (At x Is)]
Aa = 23,000 S.F. + [23,000 S.F. x 0] + [17,500 S.F. x 0]
Aa = 40,500 SQ. FT. = ALLOWABLE BUILDING AREA
NFPA 101 1997 EDITION
TOTAL BUILDING AREA = 90,622 SQ. FT. > 40,250 SQ. FT.
THEREFORE, MAINTAIN EXISTING PRESCHOOL FIRE SEPARATION AREA OF 25,924 SQ. FT.
BUILDING PREVIOUSLY SEPARATED INTO 25,924 SQ. FT. FIRE SEPARATION ZONE BETWEEN PRESCHOOL AND REST OF FACILITY

FIRE RESISTANCE RATINGS PROVIDED	HOURLY RATINGS (1)
PARTY/FIREWALLS:	
EXTERIOR BEARING WALLS	
NORTH	0
EAST	0
WEST	0
SOUTH	0
EXTERIOR NON-BEARING WALLS	
NORTH	0
EAST	0
WEST	0
SOUTH	0
INTERIOR WALLS	
BEARING	0
NON-BEARING	0
TENANT SEPARATION	0
FIRE SEPARATION ASSEMBLIES	
EXIT ENCLOSURES	2
CEILING-FLOORS ASSEMBLY	0
BEAMS	0
COLUMNS	0
CEILING-ROOF ASSEMBLY	0
VERTICAL SHAFTS	2
MIXED OCCUPANCY SEPARATION	1 (PER MICH. LICENSING RULES FOR CHILD CARE CENTERS)
TENANT SEPARATION	0
EXIT ACCESS CORRIDORS	0

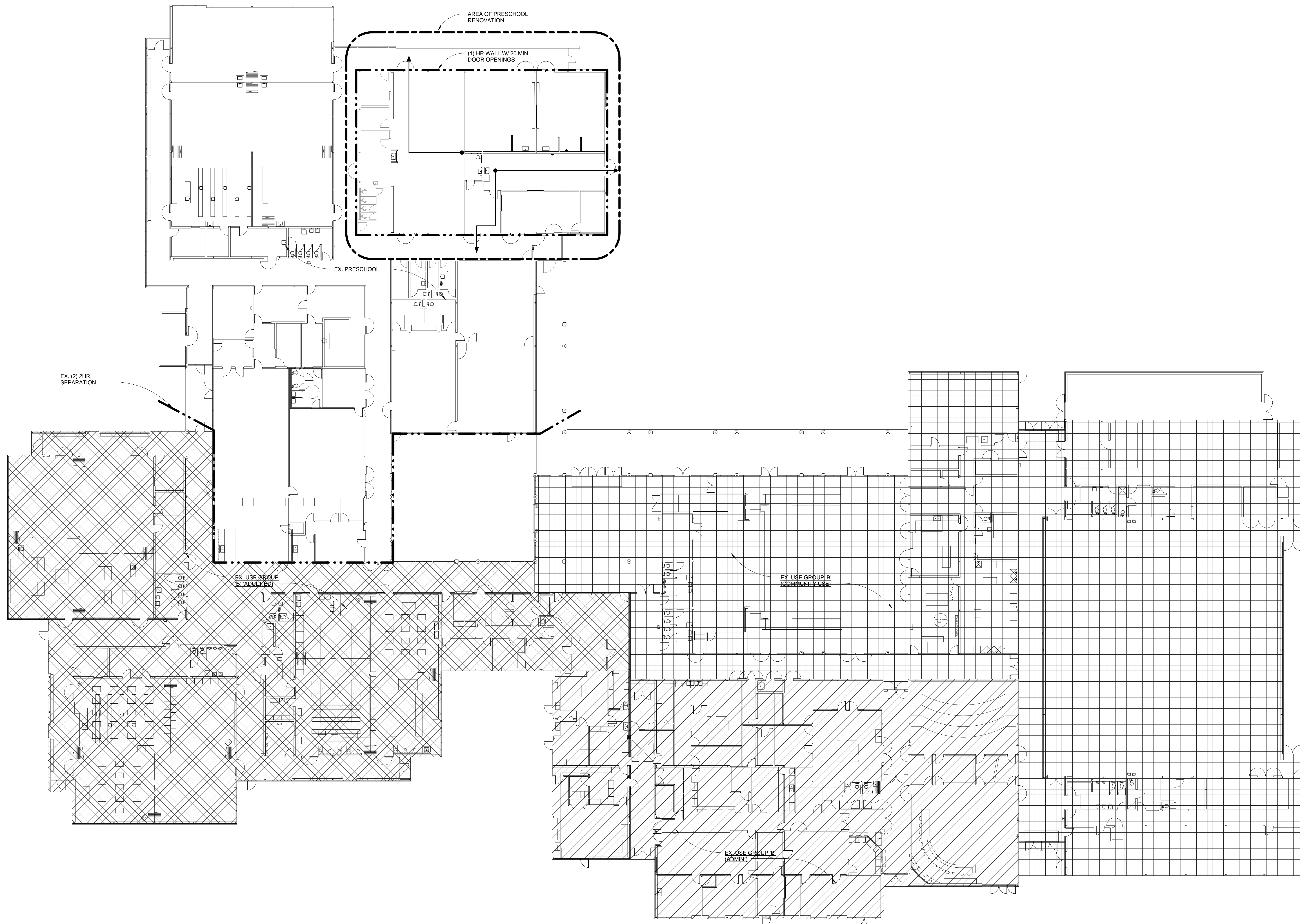
LIFE SAFETY SYSTEMS:
EMERGENCY LIGHTING AND EXIT SIGNS(X) REQUIRED () PROVIDED
FIRE ALARMS (X) REQUIRED () PROVIDED
SMOKE DETECTIONS SYSTEMS (X) REQUIRED () PROVIDED
PANIC HARDWARE (X) REQUIRED () PROVIDED
FIRE SUPPRESSION SYSTEM () REQUIRED () PROVIDED
STANDPIPE SYSTEM () REQUIRED () PROVIDED

EXIT REQUIREMENTS:
DEAD END LIMIT MAXIMUM CONDITION: ALLOWED 20 FT. ACTUAL = 0
TRAVEL DISTANCE TO EXIT MAXIMUM CONDITION:
ALLOWED 50 FT. FOR AGES 0-23 MONTHS
100 FT. FOR 24 MONTHS +
ACTUAL: 44'-0" < 50'-0" FOR AGES 0-23 MONTHS
53'-0" < 100'-0" FOR 24 MONTHS +
NOTE: INFANT/CRIB AREA HAS DIRECT EXITING

DESIGN LOADS: (SEE STRUCTURAL DRAWINGS)
ROOF LIVE LOAD: 20 PSF
WIND: 75 MPH, 21 PSF
FLOOR: 100 PSF 1ST FLOOR CORRIDORS,
1000# CONCENTRATED
40 PSF CLASSROOMS WITH 20 PSF PARTITION ALLOWANCE, 1000# CONCENTRATED

SNOW: 30 PSF
SEISMIC: A1 = 0.055
A2 = 0.055
LATERAL DESIGN: 21 PSF

SOIL BEARING CAPACITIES:



LIFE SAFETY PLAN
1/16" = 1'-0"

WARREN WOODS PUBLIC SCHOOLS
HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS
WARREN, MI

SITE PLAN

PRELIMINARY ■
DESIGN DEVELOPMENT ■
CONSTRUCTION ■
FINAL RECORD □

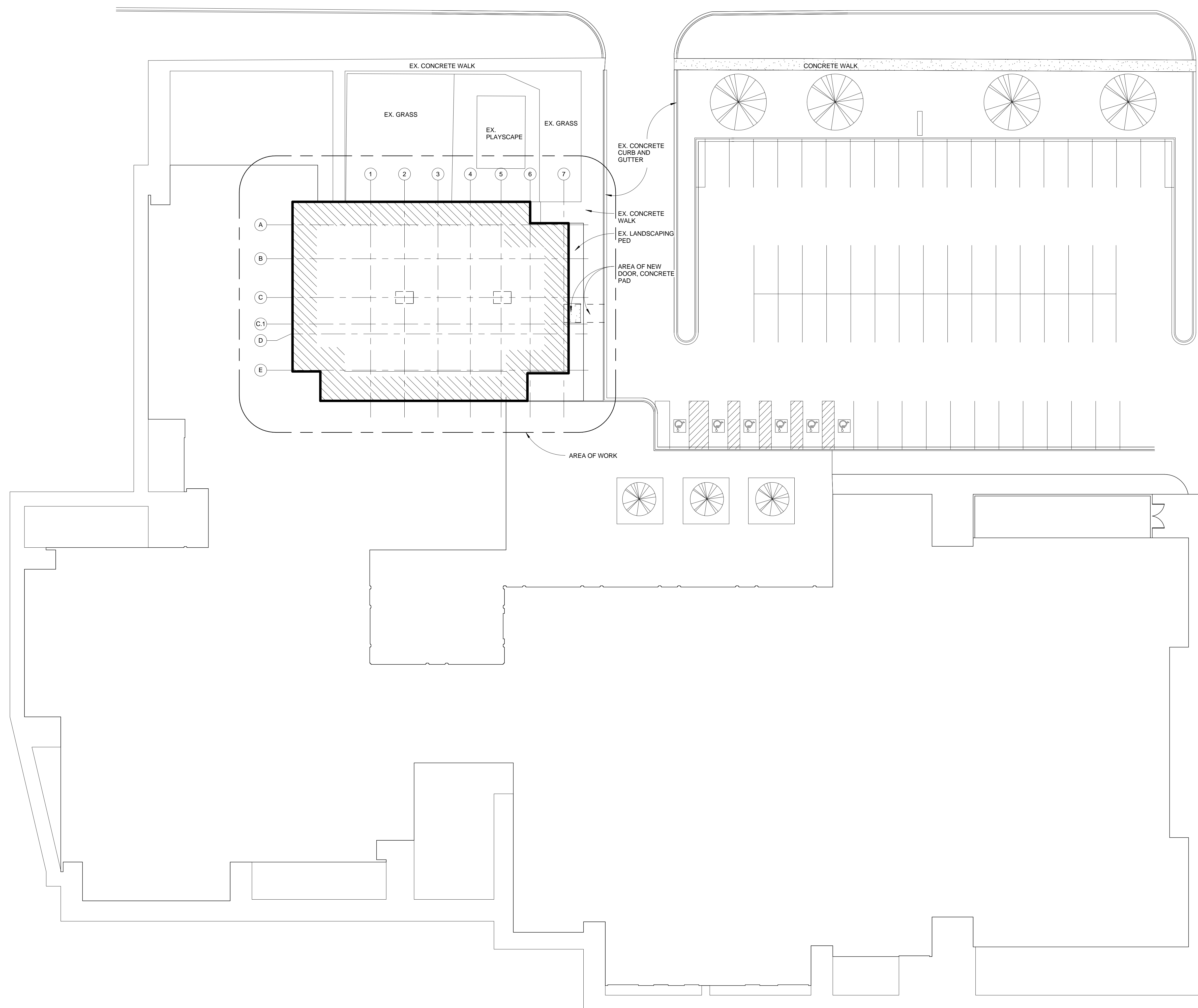
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REVISIONS:

DATE: 02.23.2015
SHEET NO.:

AS1.0

JOB NO.: 141596

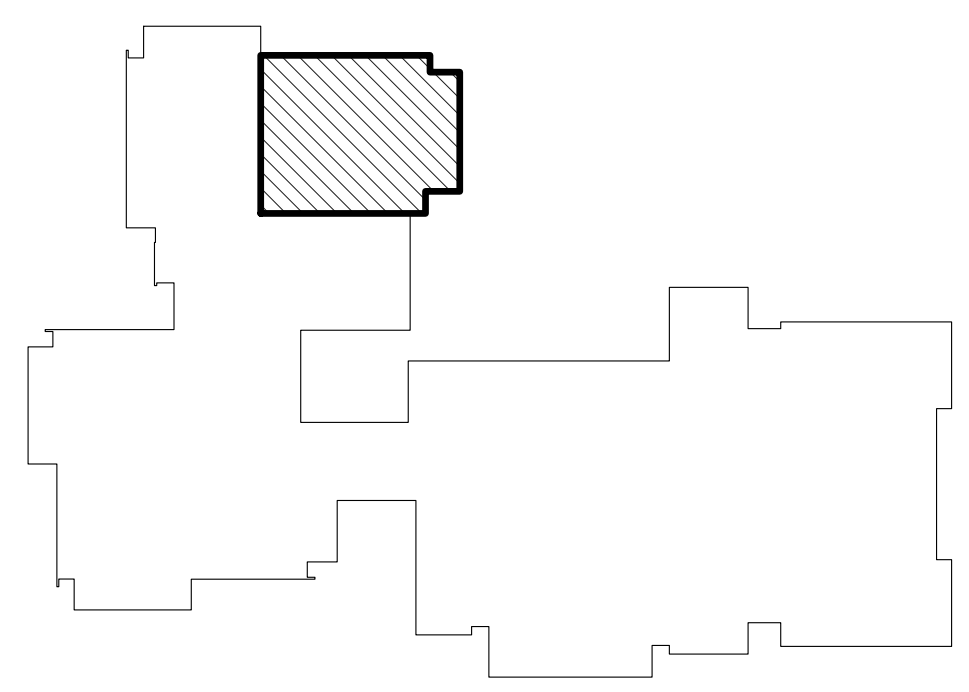


1 SITE PLAN
A4.0 1" = 20'-0"



- DEMOLITION PLAN NOTES
- 1 REMOVE EXISTING 8" CMU WALL - PATCH CONC. FLOOR
 - 2 REMOVE EXISTING CEILING COMPLETE (LAY-IN OR GYP. BOARD) INCLUDING LIGHTS, DIFFUSERS, GRILLES, ETC.
 - 3 REMOVE EXISTING FLOORING (CARPET, CERAMIC TILE OR VINYL TILE FLOORING AND RESILIENT BASE COMPLETE IN ENTIRE ROOM)
 - 4 REMOVE EXISTING PARTIAL HT. WALL, GATE AND ALL ASSOC. MATERIALS
 - 5 REMOVE EXISTING DOOR AND FRAME ASSEMBLY COMPLETE
 - 6 EXISTING STEEL COLUMN TO REMAIN
 - 7 REMOVE EXISTING SINK, CASEWORK, WALL CHASE AND CAP PIPING (TYP.)
 - 8 REMOVE EXISTING CASEWORK AND SINK COMPLETE AND CAP PIPING
 - 9 REMOVE EXISTING CEILING AND GRID COMPLETE AT NEW VESTIBULE. ALTER EX. GRID TO REMAIN AS REQUIRED.
 - 10 REMOVE EXISTING MASONRY WALL (SHORE AS REQUIRED) FOR NEW DOOR OPENING
 - 11 REMOVE EXISTING OPERABLE PARTITION, FLOOR TRACK AND CEILING CLOSURE/DROP COMPLETE (TYP.)
 - 12 REMOVE EXISTING FIRE EXTINGUISHER CABINET AND ALL ASSOC. MATERIAL
 - 13 REMOVE EXISTING SHADE
 - 14 WALL CLOCK TO REMAIN
 - 15 WALL CLOCK TO BE REMOVED
 - 16 EX. LOCKERS TO REMAIN
 - 17 REMOVE EXISTING STRIP LIGHTING AND SCREEN IN CORRIDOR AS REQUIRED FOR NEW CONSTRUCTION. ALTER EXISTING AS REQUIRED.
 - 18 EX. CEILING GRID TO REMAIN
 - 19 EX. STRIP LIGHTING TO REMAIN
 - 20 REMOVE EX. LANDSCAPING, TOPSOIL AND EARTH AS REQUIRED TO INSTALL NEW CONCRETE SUPPORTED SLAB
 - 21 EX. CONCRETE WALK
 - 22 EX. LANDSCAPE BD
 - 23 SAW CUT FLOOR FOR NEW SANITARY LINE (REFER TO MECH. DRAWINGS)

1 DEMOLITION PLAN
A0.1 1/4" = 1'-0"



KEY PLAN

WA
WAKELY ASSOCIATES, INC.
ARCHITECTS
30500 VAN DYKE AVENUE
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WARREN, MICHIGAN 48093
PH: 586.573.4100
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HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS
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DEMOLITION PLAN

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

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A0.1

JOB NO.: 141596

WARREN WOODS PUBLIC SCHOOLS HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS WARREN, MI

FLOOR PLAN

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

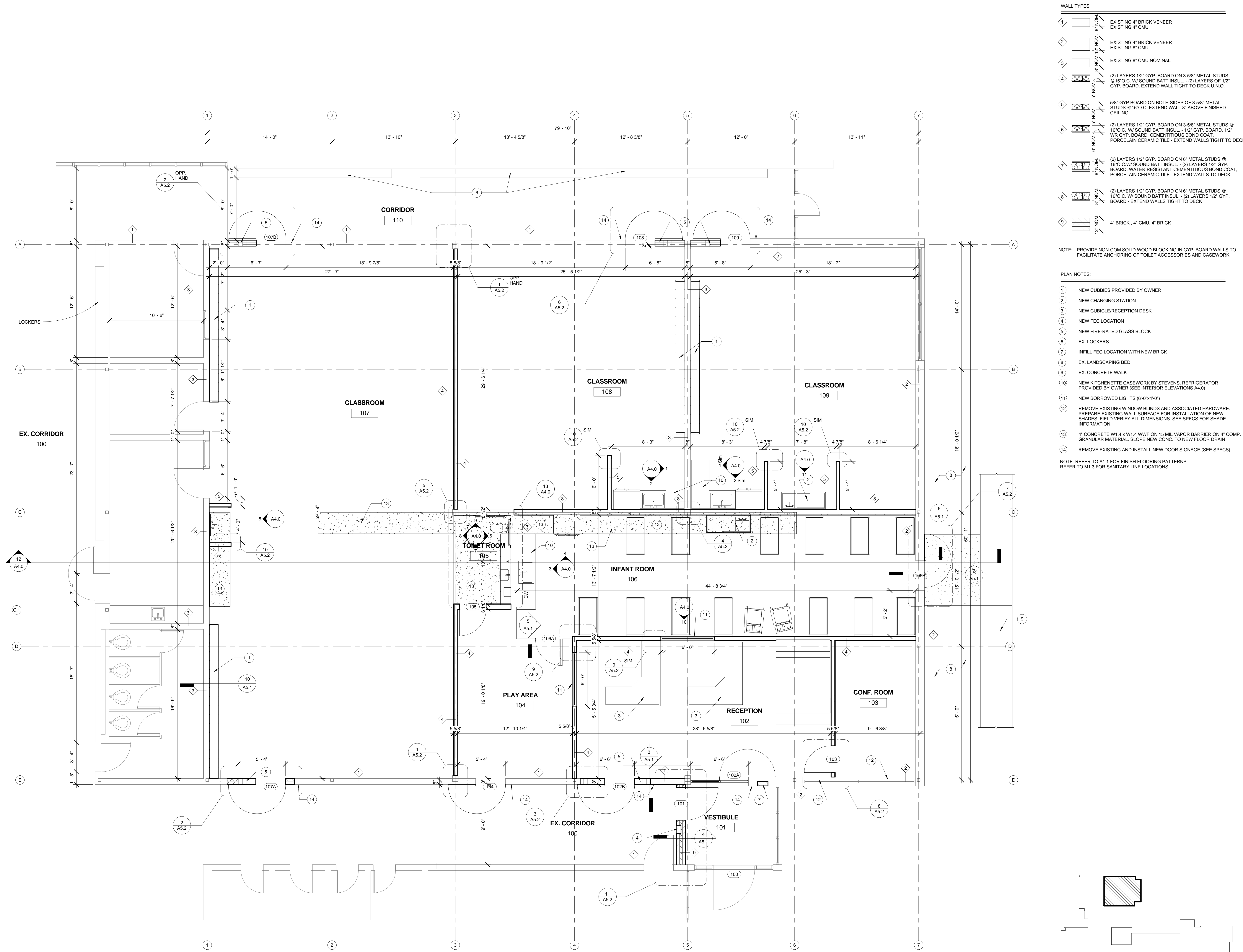
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A1.0

JOB NO.: 141596



- 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

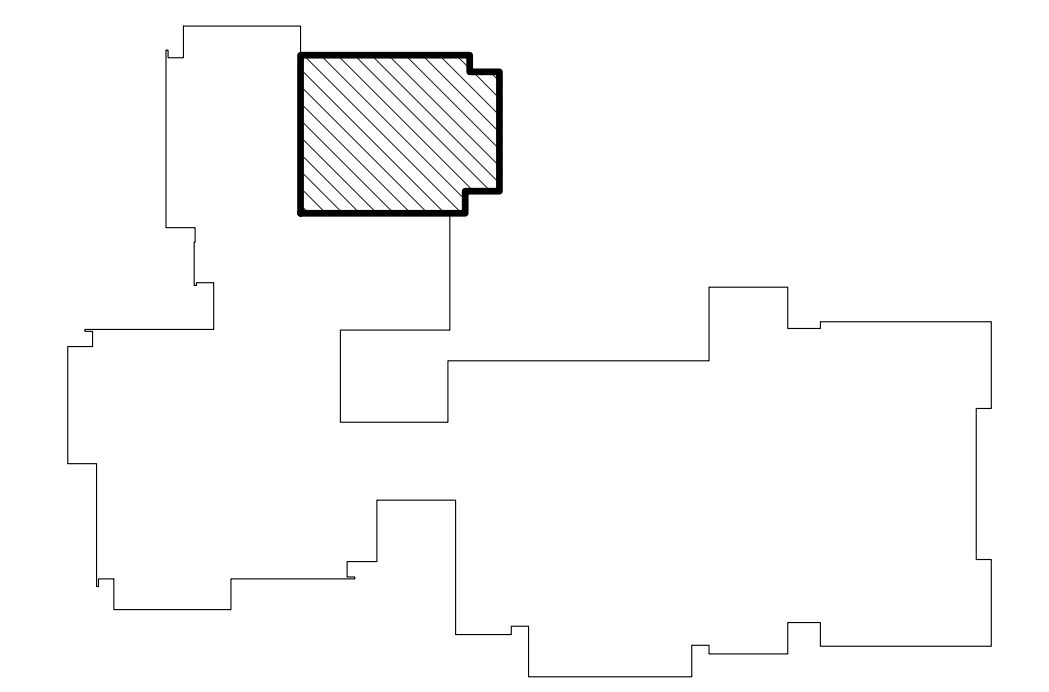
NOTE: PROVIDE NON-COM SOLID WOOD BLOCKING IN GYP. BOARD WALLS TO FACILITATE ANCHORING OF TOILET ACCESSORIES AND CASEWORK

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 W/ 4 x 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

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



KEY PLAN

WARREN WOODS PUBLIC SCHOOLS
HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS
WARREN, MI

FIRST FLOOR PLAN - FLOOR FINISHES

PRELIMINARY ■
DESIGN DEVELOPMENT ■
CONSTRUCTION ■
FINAL RECORD □


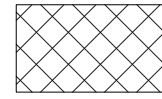


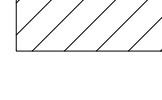
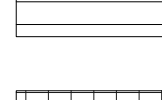
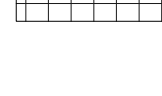
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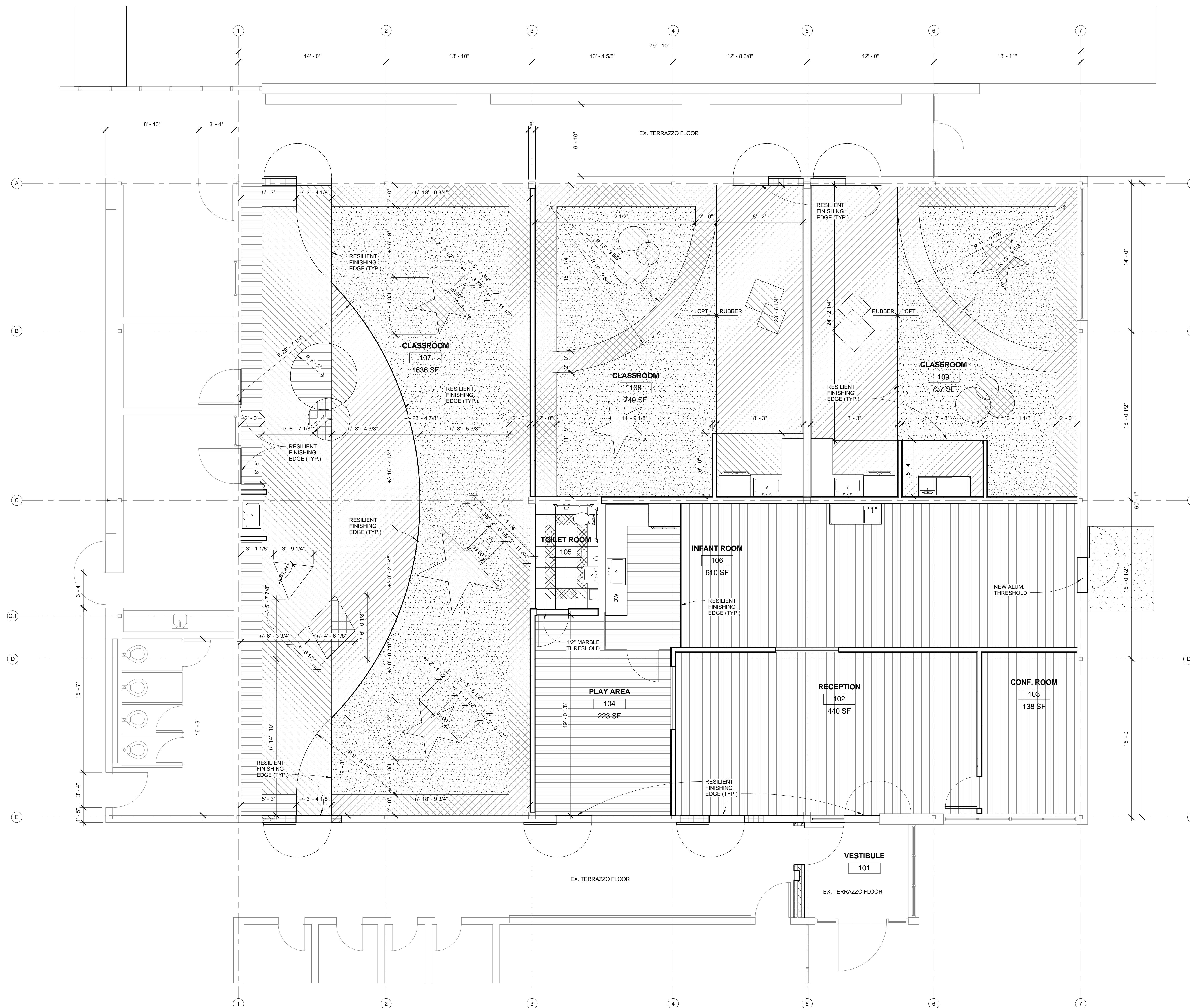
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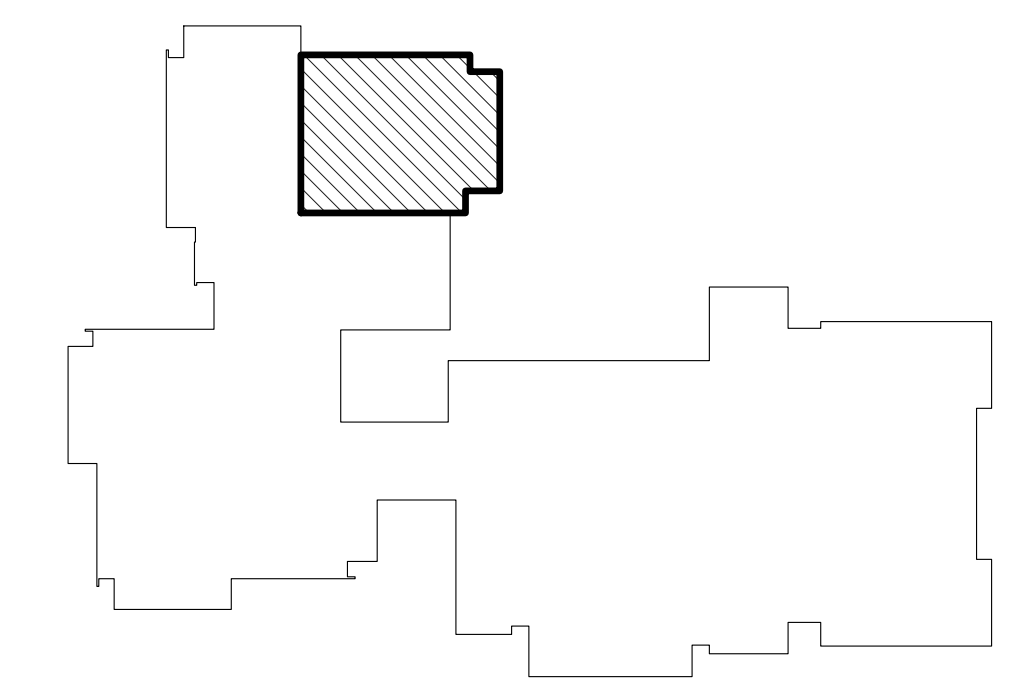
A1.1

JOB NO: 141596

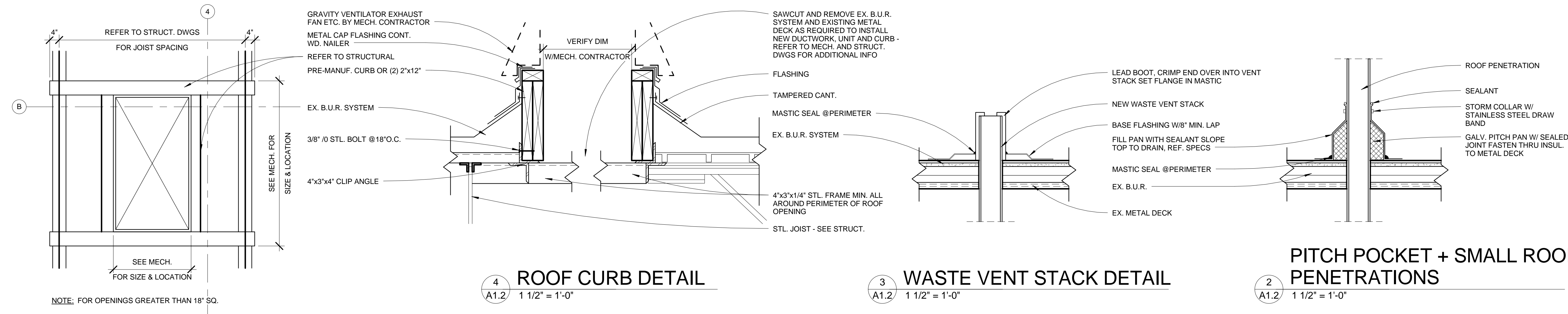
- FLOOR TYPE LEGEND: NOTE: MULTIPLE COLORS OF EACH FLOOR TYPE WILL BE USED
-  CARPET #1 - AFTERMATH II
 -  CARPET #2
 -  CARPET #3 - CIRCLET
 -  RUBBER A - SOLID COLOR TILE / SMOOTH TEXTURE
 -  RUBBER B - SOLID COLOR TILE / HAMMERED TEXTURE
 -  RUBBER C - MICROTONE TILE / HAMMERED TEXTURE
 -  RUBBER D - SOLID COLOR TILE / RAISED ROUND TEXTURE



FIRST FLOOR PLAN - FLOOR FINISHES
1/4" = 1'-0"



KEY PLAN

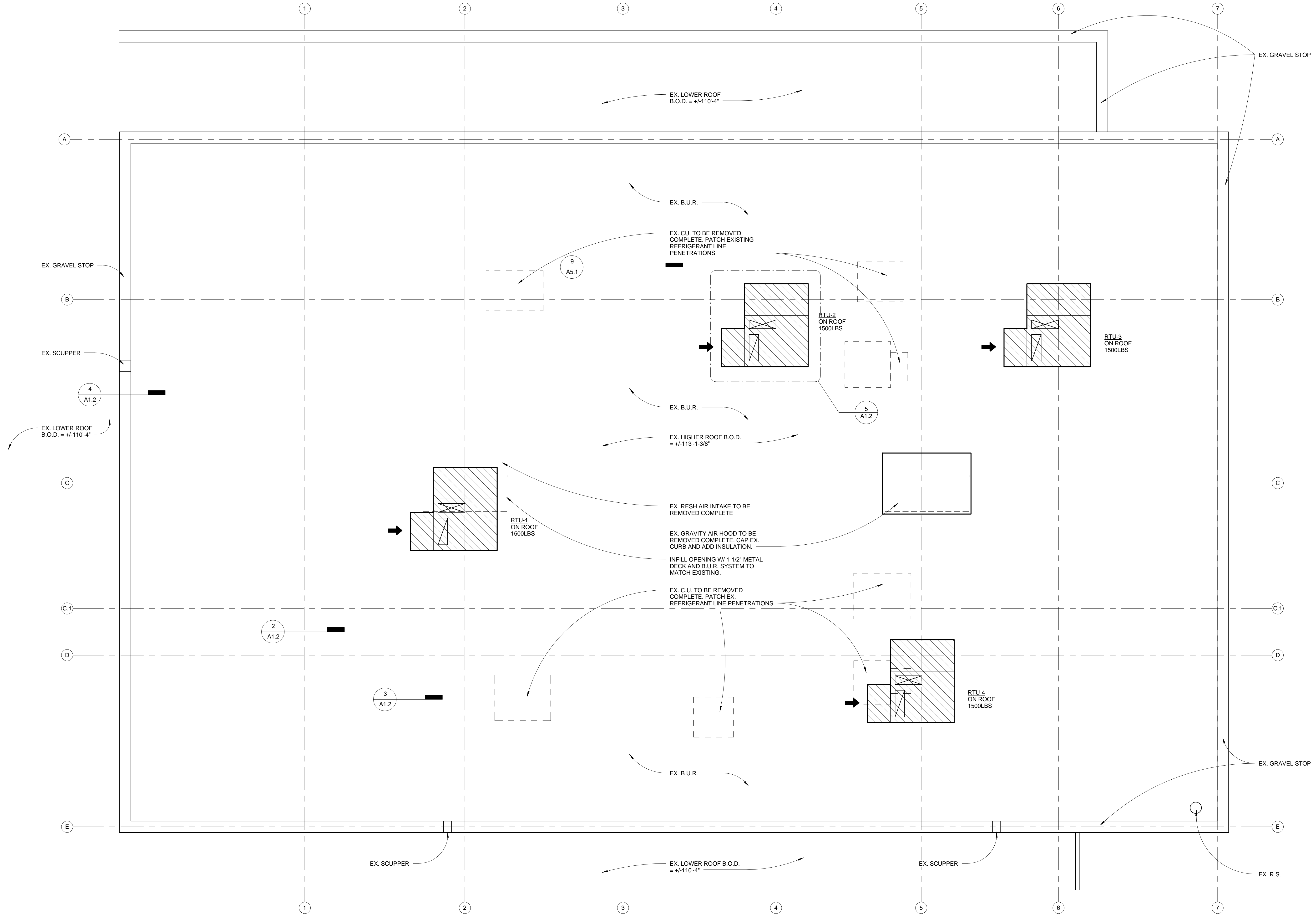


PLAN NOTES:

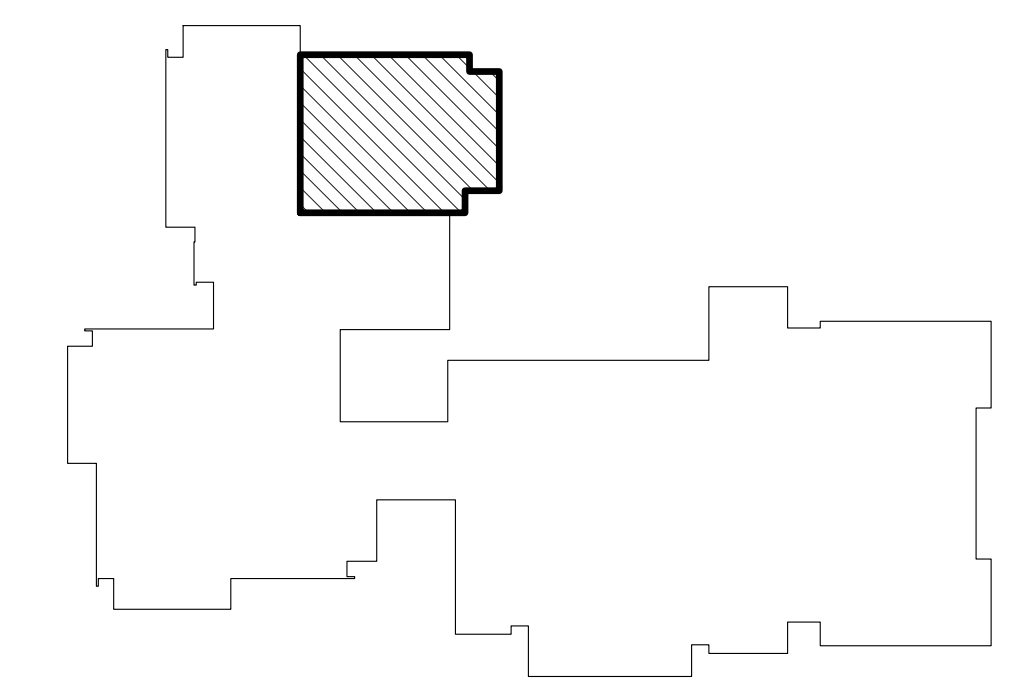
○ RS	EXISTING ROOF SUMP
▨	NEW ROOFTOP UNIT
□	EXISTING ROOFTOP UNIT/EQUIPMENT
— GAS —	NEW GAS SUPPLY LINE, REFER TO MECH. DWGS (PAINT GAS LINE FOR IDENTIFICATION)

- ROOF PLAN GENERAL NOTES:
- VERIFY ALL CONDITIONS IN FIELD AND NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES
 - VERIFY QUANTITY, SIZE AND LOCATION OF ALL ROOF OPENINGS FOR MECH. AND ELEC. WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK
 - FLASH IN NEW CURBS AND VENT STACKS PER TYP. TREMCO COLD APPLIED ASPHALT B.U.R. STD DETAILS. CONTACT EARL SRBU OF TREMCO AT 586.933.7069 FOR ADDITIONAL INFO.

5 ROOF-ENLARGED UNIT
1/2" = 1'-0"



1 ROOF PLAN
1/4" = 1'-0"



WARREN WOODS PUBLIC SCHOOLS
HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS
WARREN, MI

ROOF PLAN

PRELIMINARY	■
DESIGN DEVELOPMENT	■
CONSTRUCTION	■
FINAL RECORD	□

DRAWN BY: MTS
CHECKED BY: RAS

REVISIONS:

DATE: 02.23.2015
SHEET NO.:

A1.2

JOB NO.: 141596

WARREN WOODS PUBLIC SCHOOLS HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS WARREN, MI

REFLECTED CEILING PLAN

PRELIMINARY ■
DESIGN DEVELOPMENT ■
CONSTRUCTION ■
FINAL RECORD □

DRAWN BY: MTS
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SHEET NO.:

A2.0

JOB NO.: 141596

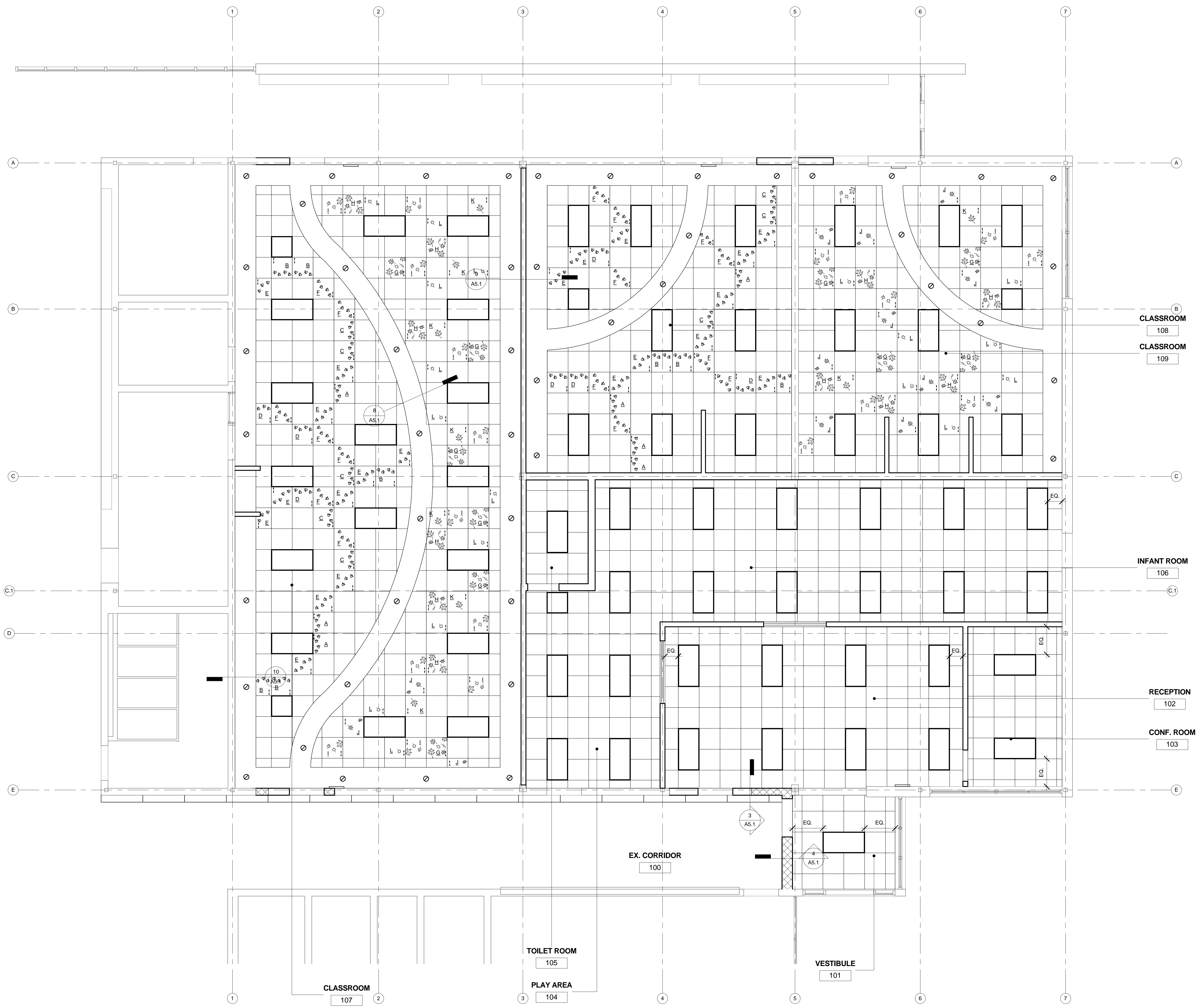
- CEILING PLAN NOTES:**
- COORDINATE ALL CEILING WORK WITH MECHANICAL & ELECTRICAL PLANS
 - CENTER ALL CEILING TILES AND GRID EQUALLY WITHIN EACH INDIVIDUAL ROOM

CEILING PLAN LEGEND:

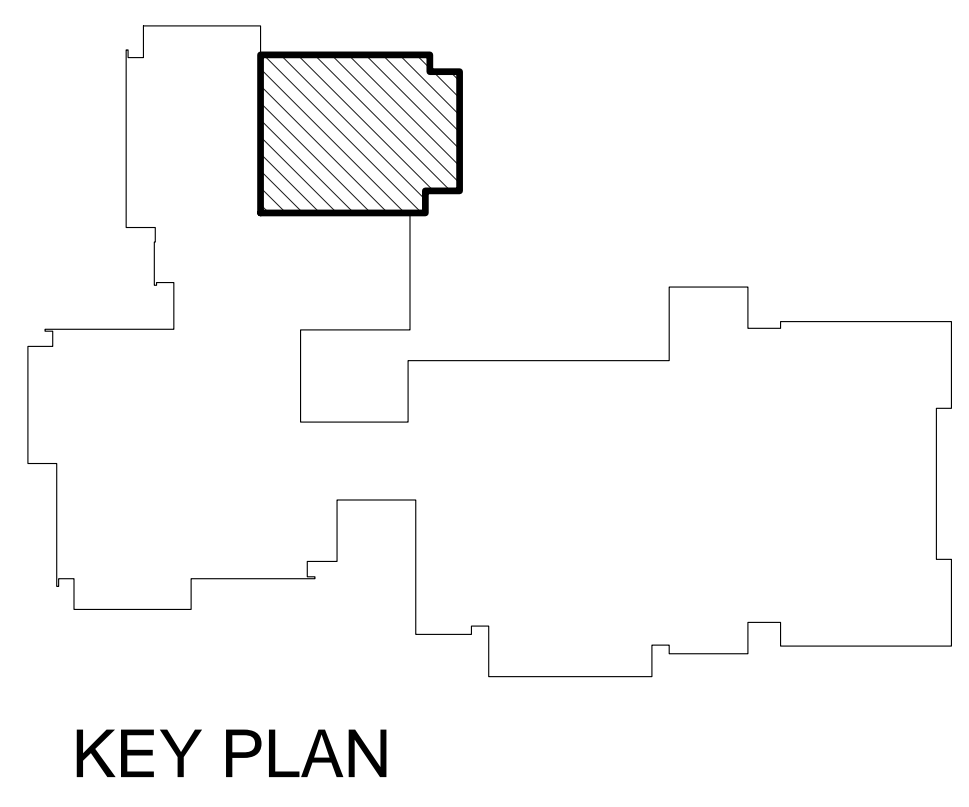
	2x4 LAY-IN FLUORESCENT LIGHT FIXTURE IN ACOUSTICAL CEILING SYSTEM - REFER TO ELEC.
	INCAND. FLUORESCENT LED OR HID LIGHT FIXTURE RECESSED OR CEILING MOUNTED - REFER TO ELEC.
	25' SUSPENDED SOFT BAY FIXTURE - REFER TO ELEC.
	2x2 CEILING TILE IN EXP. METAL TEE GRID
	GYPSUM CEILING / SOFFIT
	DIFFUSER
	RETURN AIR REGISTER
	RADIANT PANEL

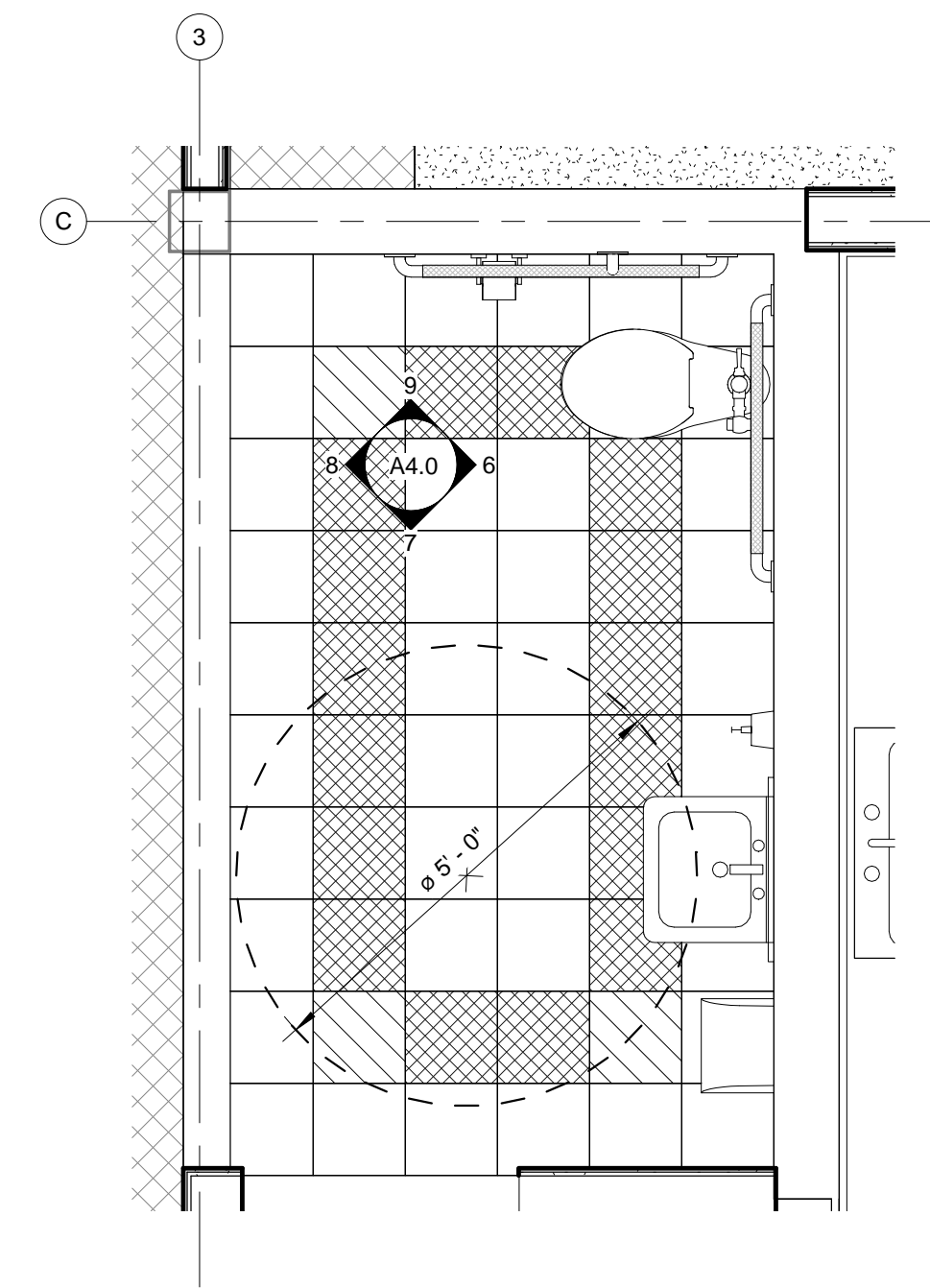
CEILING PLAN TILES: MFR. ARMSTRONG

CIRRUS CRITTERS:		CIRRUS LEAVES:	

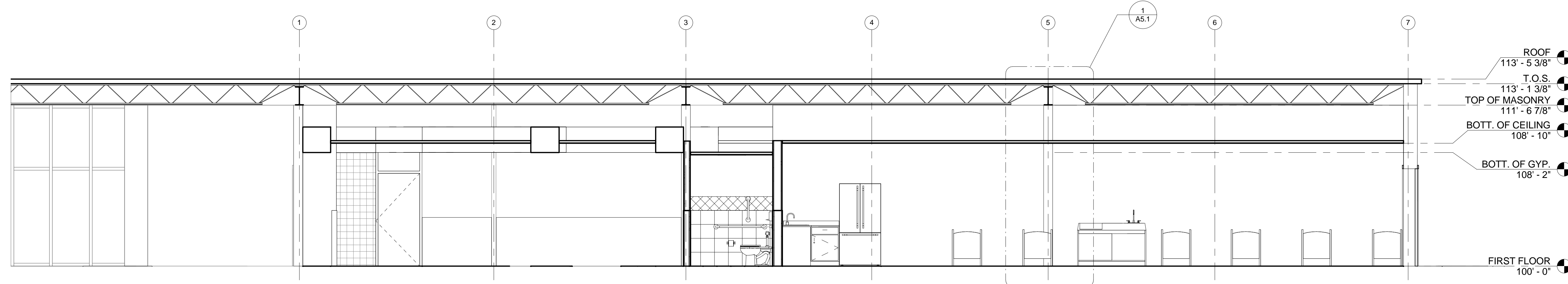


REFLECTED CEILING PLAN
1/4" = 1'-0"

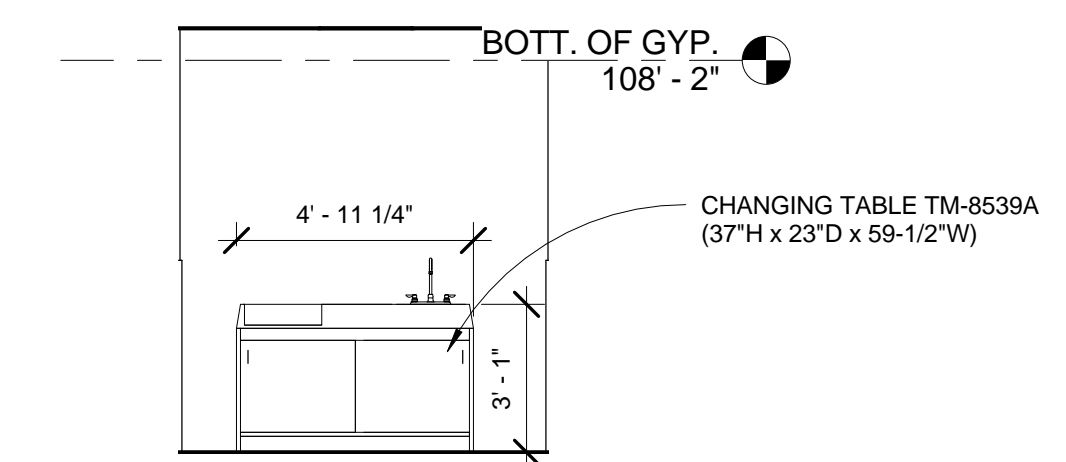




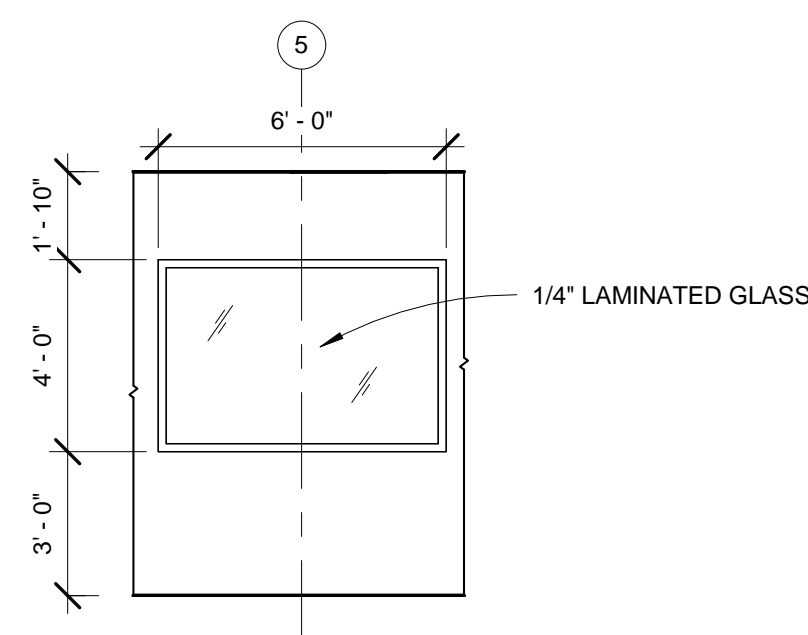
13 TOILET FLOOR
A1.0 1/2" = 1'-0"



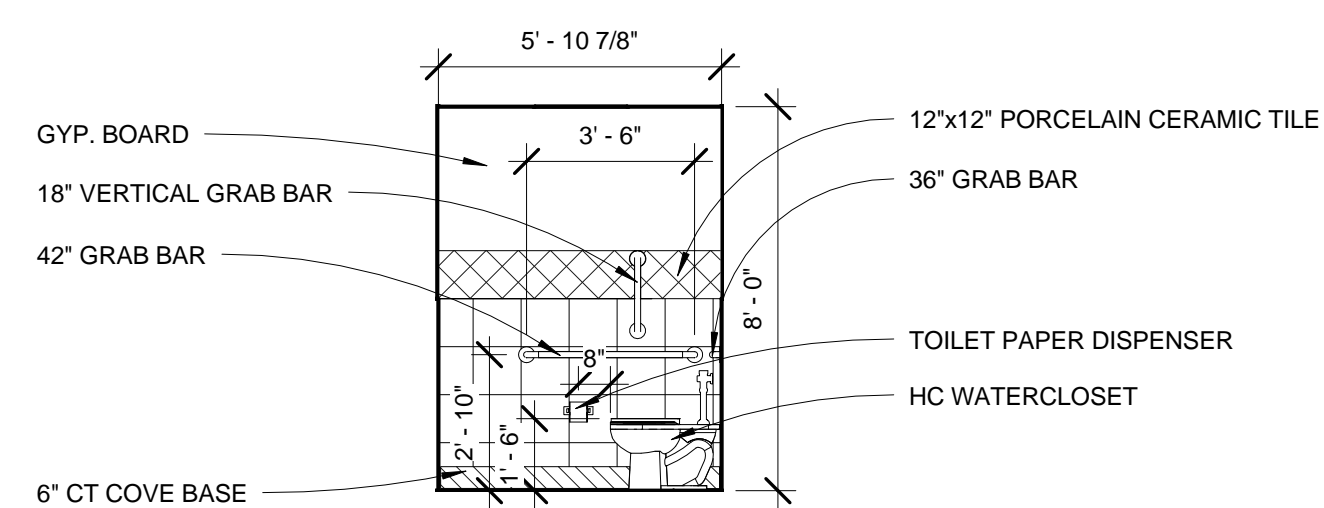
12 BUILDING SECTION
A1.0 1/4" = 1'-0"



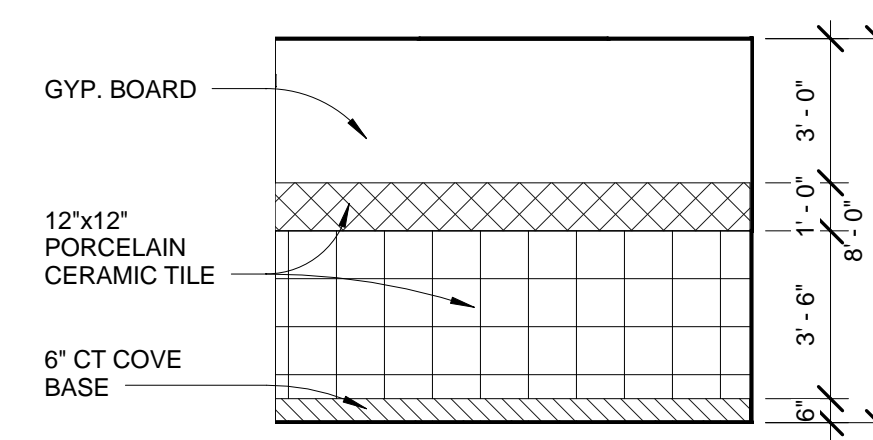
11 CHANGING TABLE
A1.0 1/4" = 1'-0"



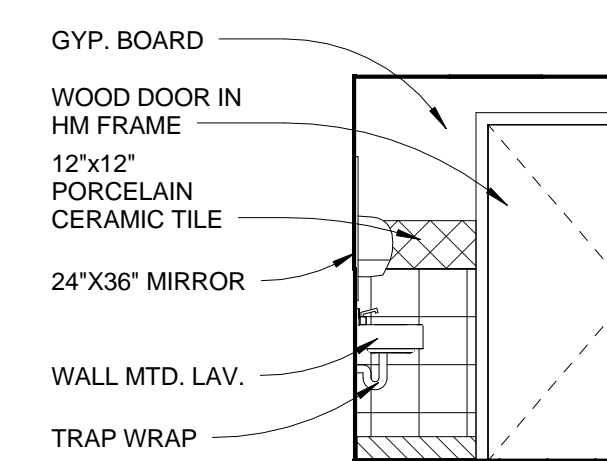
10 BORROWED LIGHT
A1.0 1/4" = 1'-0"



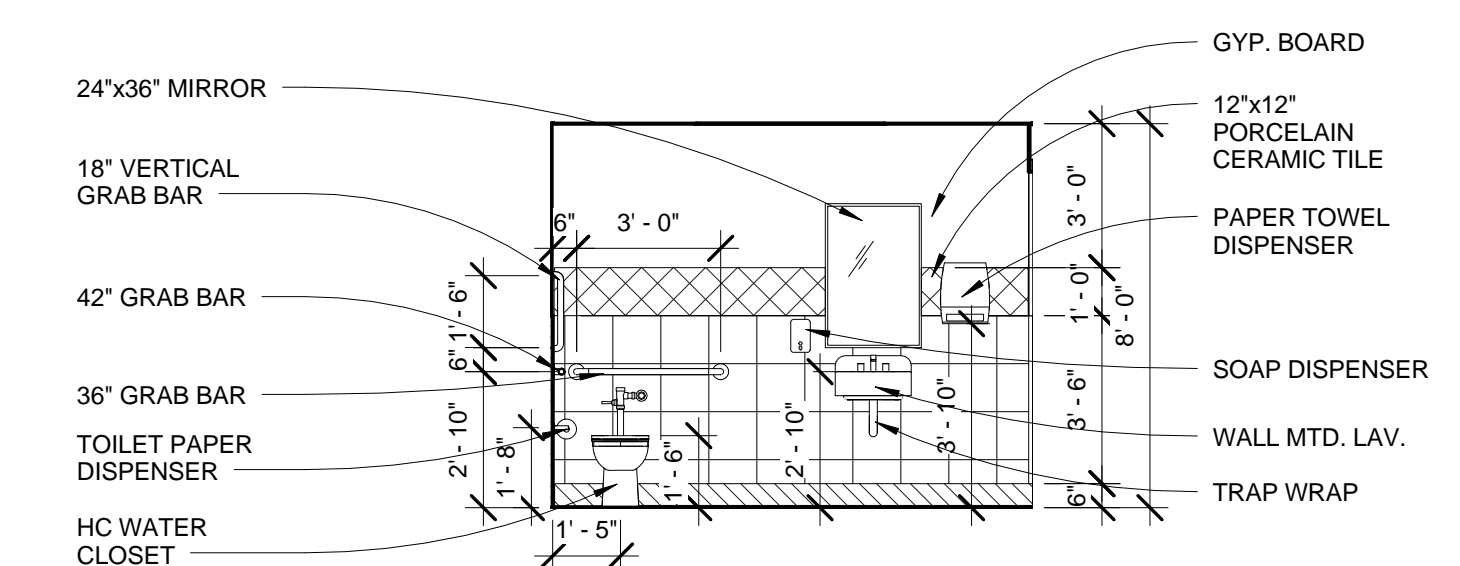
9 INT. ELEVATION
A1.0 1/4" = 1'-0"



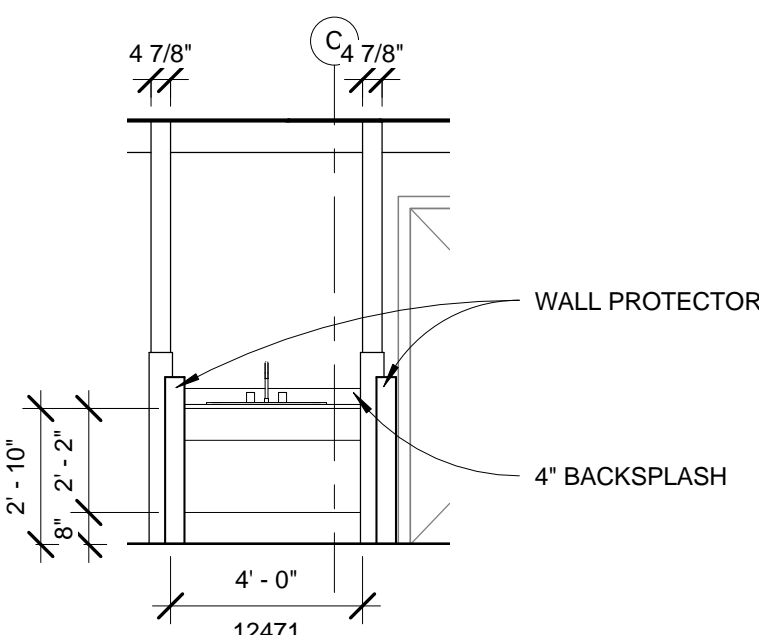
8 INT. ELEVATION
A1.0 1/4" = 1'-0"



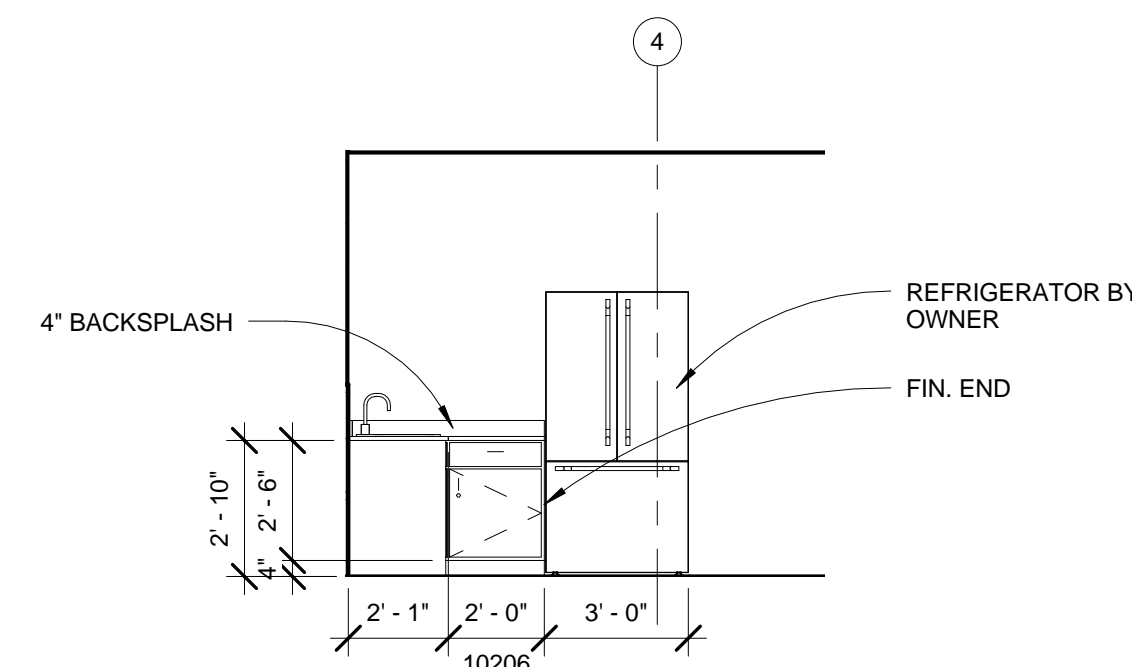
7 INT. ELEVATION
A1.0 1/4" = 1'-0"



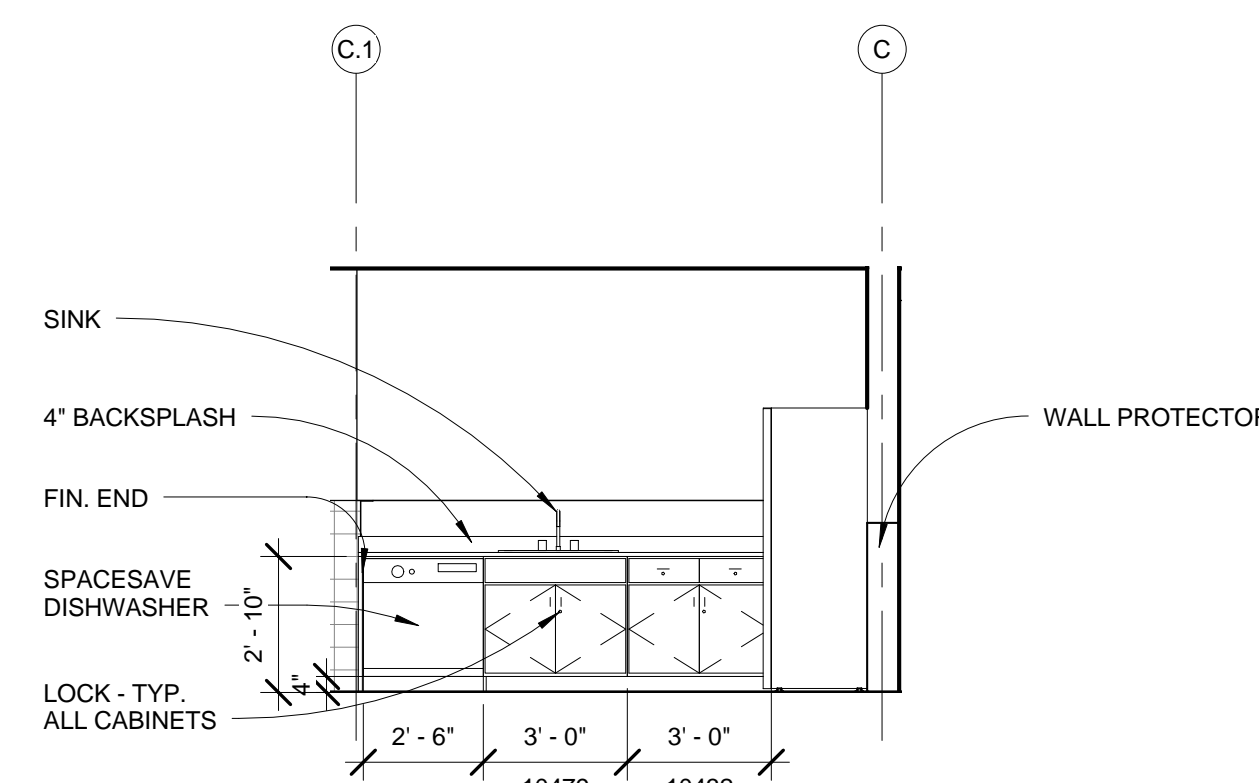
6 INT. ELEVATION
A1.0 1/4" = 1'-0"



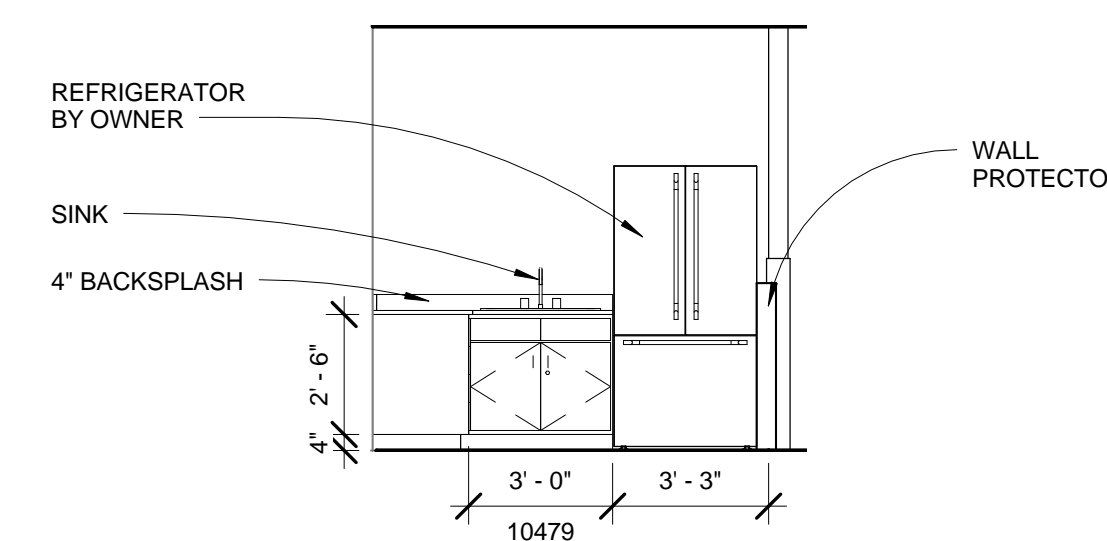
5 INT. ELEVATION
A1.0 1/4" = 1'-0"



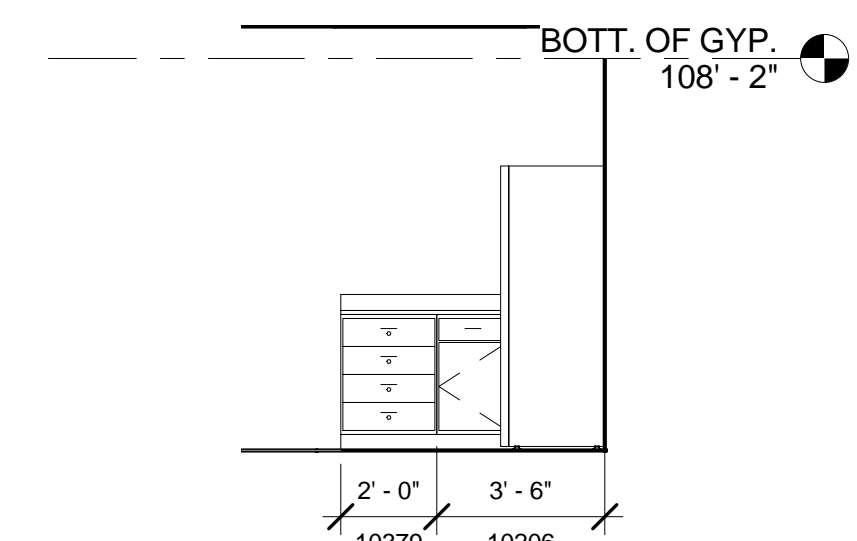
4 INT. ELEVATION
A1.0 1/4" = 1'-0"



3 INT. ELEVATION
A1.0 1/4" = 1'-0"



2 INT. ELEVATION
A1.0 1/4" = 1'-0"



1 INT. ELEVATION
A1.0 1/4" = 1'-0"

WALL SECTIONS

PRELIMINARY DESIGN DEVELOPMENT CONSTRUCTION FINAL RECORD

DRAWN BY: MTS CHECKED BY: RAS

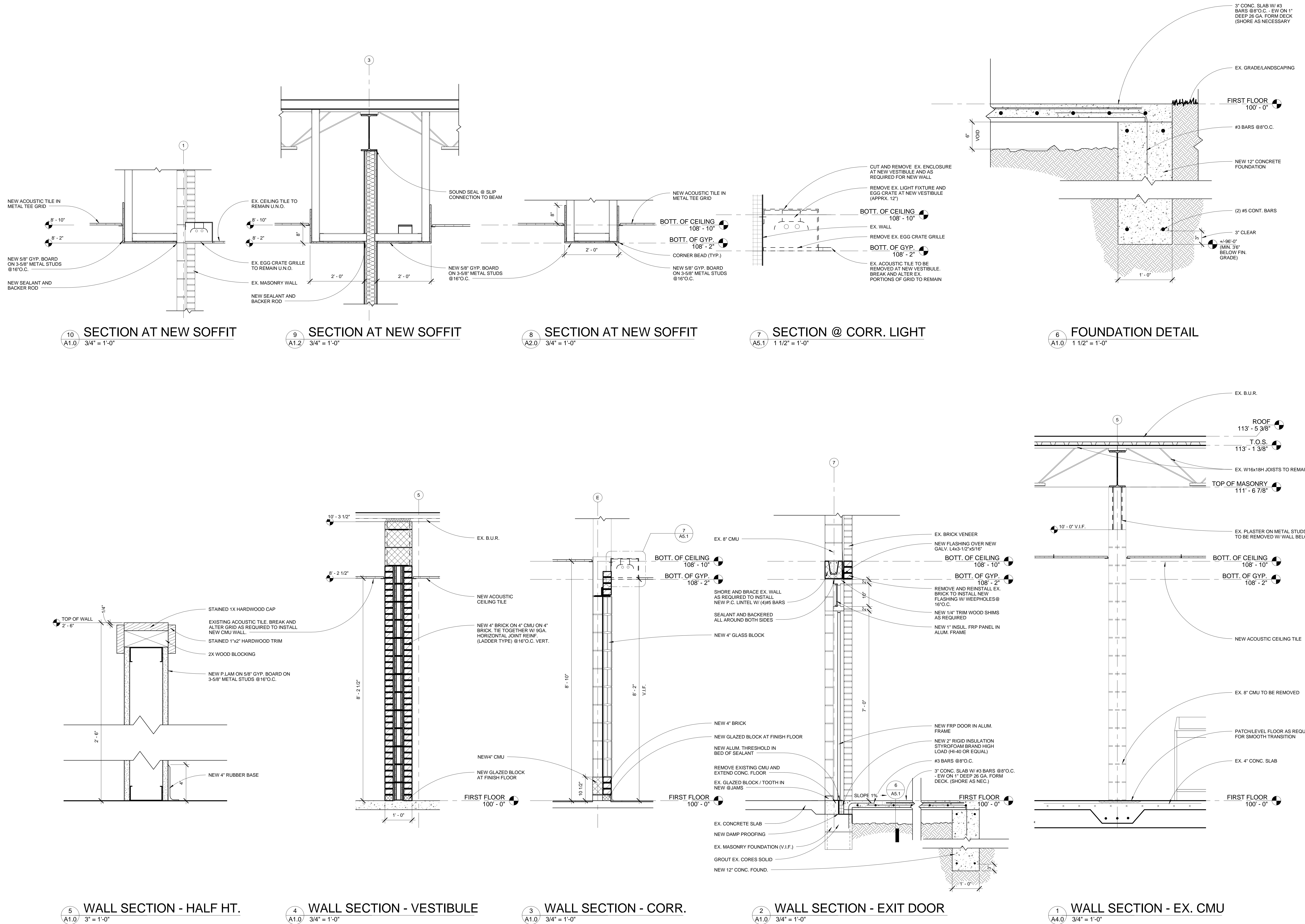
REVISIONS:

DATE: 02.23.2015

SHEET NO.:

A5.1

JOB NO.: 141596



5 WALL SECTION - HALF HT. A1.0 3/4\" = 1'-0"

4 WALL SECTION - VESTIBULE A1.0 3/4\" = 1'-0"

3 WALL SECTION - CORR. A1.0 3/4\" = 1'-0"

2 WALL SECTION - EXIT DOOR A1.0 3/4\" = 1'-0"

1 WALL SECTION - EX. CMU A4.0 3/4\" = 1'-0"

10 SECTION AT NEW SOFFIT A1.0 3/4\" = 1'-0"

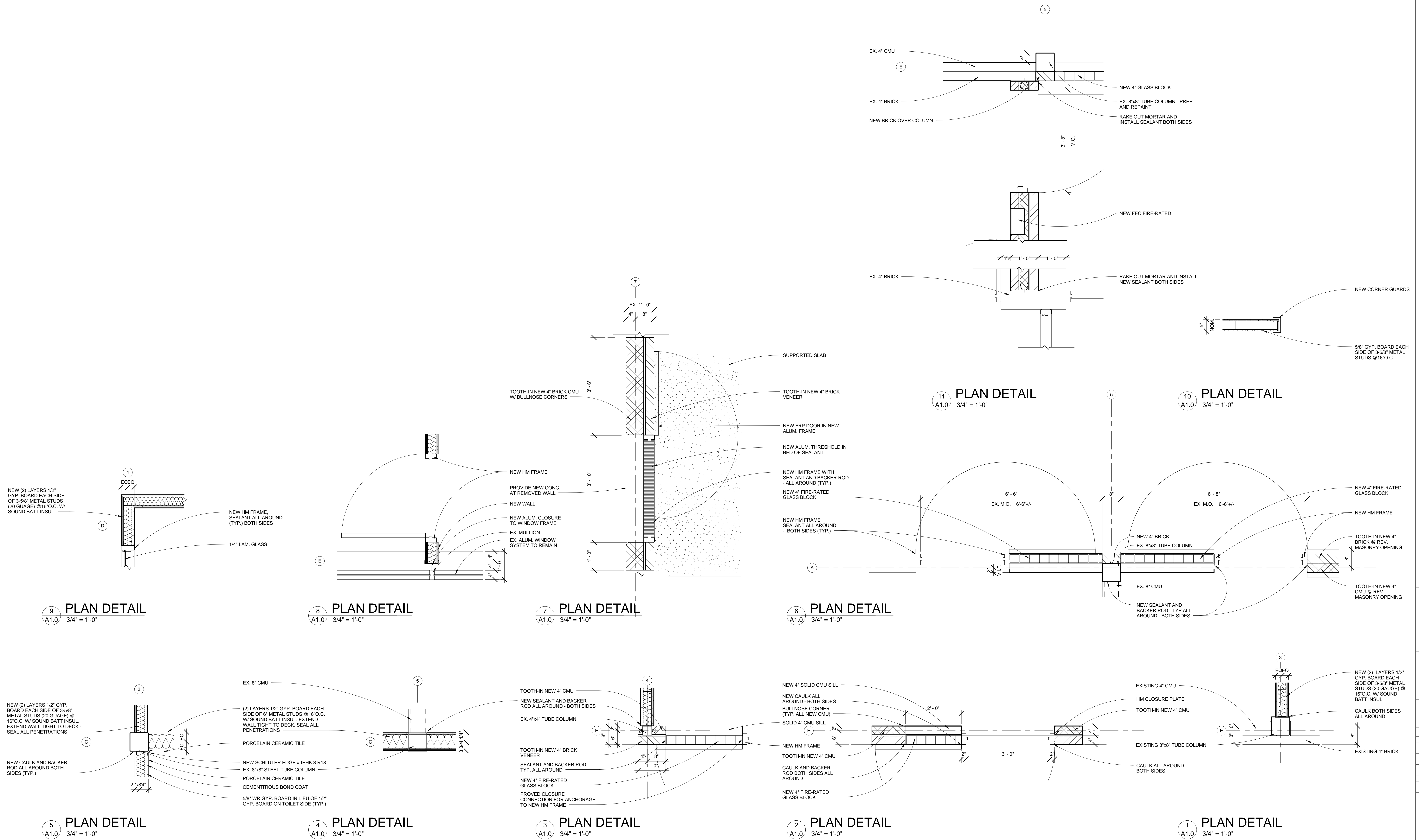
9 SECTION AT NEW SOFFIT A1.2 3/4\" = 1'-0"

8 SECTION AT NEW SOFFIT A2.0 3/4\" = 1'-0"

7 SECTION @ CORR. LIGHT A5.1 1 1/2\" = 1'-0"

6 FOUNDATION DETAIL A1.0 1 1/2\" = 1'-0"

**WARREN WOODS PUBLIC SCHOOLS
HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS
WARREN, MI**



DETAILS

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

DRAWN BY: MTS
CHECKED BY: RAS

REVISIONS:

DATE: 02.23.2015
SHEET NO.:

A5.2

JOB NO.: 141596

ROOM FINISH SCHEDULE - FIRST FLOOR									
NO.	ROOM NAME	FLOOR	BASE	WALL MAT	WALL FINISH	CEILING		REMARKS	
						MATERIAL	HEIGHT		
100	EX. CORRIDOR	ETR	ETR	EX. BRICK	-	EX. ACT	8'-2" +/-	1,3,4	
101	VESTIBULE	EX. TRZ	EX. NEW /GLAZED BRICK	EX. BRICK	-	ACT	8'2"		
102	RECEPTION	CPT	RB	CMU/GB	PTD	ACT	8'10"	5,9	
103	CONF. ROOM	CPT	RB	CMU/GB	PTD	ACT	8'10"	9	
104	PLAY AREA	RF	RB	CMU/GB	PTD	ACT	8'10"	5	
105	TOILET ROOM	PCT	PCT	GB	PCT/PTD	ACT	8'10"		
106	INFANT ROOM	CPT	RB	CMU/GB	PTD	ACT	8'10"	5	
107	CLASSROOM	CPT/RF	RB	CMU/GB	PTD	ACT	VARIES	2,5,6,7,8	
108	CLASSROOM	CPT/RF	RB	CMU/GB	PTD	ACT	VARIES	5,7,8	
109	CLASSROOM	CPT/RF	RB	CMU/GB	PTD	ACT	VARIES	5,7,8,9	
110	CORRIDOR	ETR	ETR	EX. BRICK	-	EX. ACT	8'-2" +/-	1,3	

ROOM FINISH SCHEDULE REMARKS (APPLIES TO ALL ROOMS)

- SEE FLOOR PLAN FOR FLOOR TILE AND CARPET ACCENTS, BORDER SIZES, AND LOCATIONS
- SEE ELEVATIONS & DETAILS FOR GYP BD SOFFIT HEIGHTS & SIZES
- PAINT ALL EXPOSED COMPONENTS IN ROOMS CALLING FOR PAINT

ROOM FINISH SCHEDULE ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE IN METAL GRID
CPT	CARPET - SEE SPECIFICATIONS
ETR	EXISTING TO REMAIN
GB	GYP SUM BOARD
PCT	PORCELAIN CERAMIC TILE
PTD	PAINT
RB	4" RESILIENT COVE BAS
RF	RUBBER FLOORING
TRZ	TERRAZZO
VCT	VINYL COMPOSITE TILE

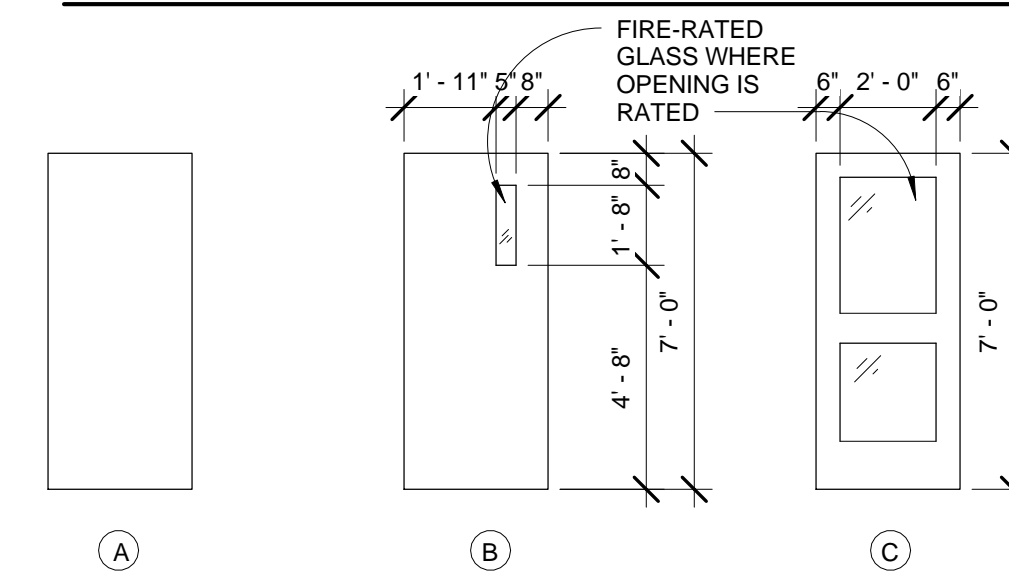
ROOM FINISH SCHEDULE NOTES

- PAINT NEW AND EXISTING DOOR FRAMES IN CORRIDOR
- PAINT NEW AND EXISTING DOOR FRAMES IN CLASSROOMS
- REFER TO DETAILS/SECTIONS FOR BRICK AND BASE INFILL
- BREAK/ALTER EXISTING ACOUSTIC GRID AS REQUIRED TO INSTALL NEW WALL
- PAINT EX. COLUMN
- 4" WAINSCOT OF PORCELAIN CERAMIC TILE
- REFER TO ENLARGED FIN. PLAN OF ROOM
- REFER TO REFLECTED CEILING PLAN FOR GYP. BOARD AND ACOUSTIC CLG HTS.
- PREP AND REPAINT EX. FIN. TUBE RADIATION

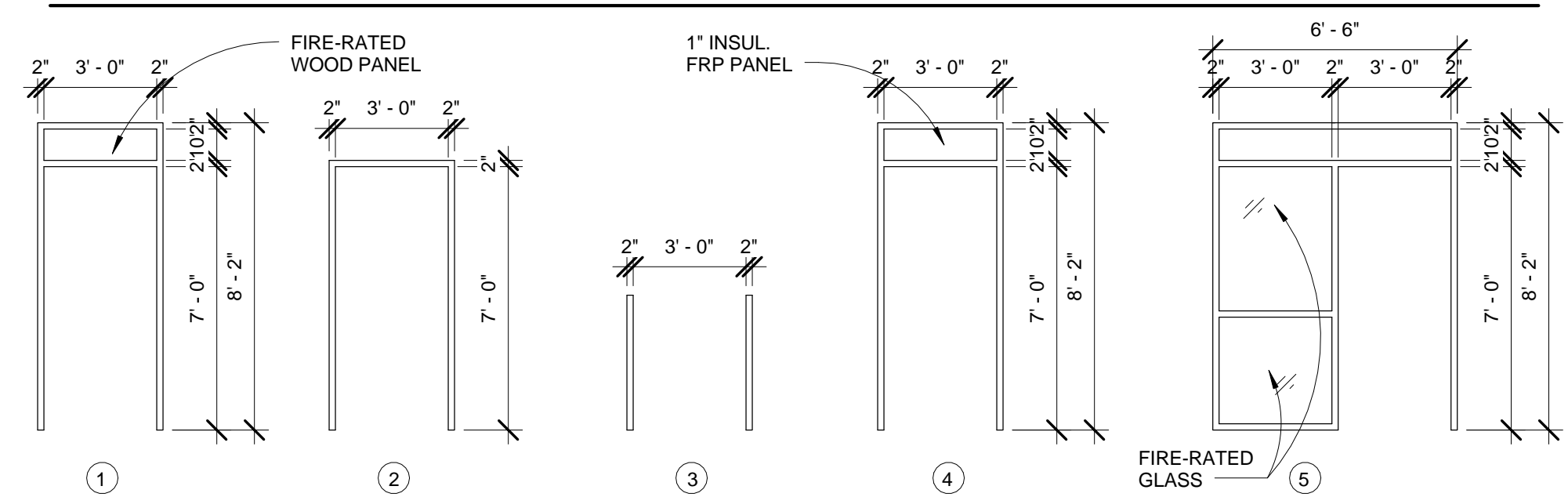
DOOR SCHEDULE - FIRST FLOOR												
No.	DOOR					FRAME			THRESHOLD	UL	HW SET	REMARKS
	WIDTH	HEIGHT	TYPE	MAT'L	FINISH	TYPE	MAT'L	FINISH				
100	3'-6" EX.	7'-0"										EX. DOOR FRAME TO REMAIN
101	3'-6"	7'-0"	B	WD	STN	1	HM	PTD				
102A	3'-6"	7'-0"	C	WD	STN	5	HM	PTD			20M	
102B	3'-6"	7'-0"	B	WD	STN	2	HM	PTD			20M	
103	3'-0"	7'-0"	B	WD	STN	1	HM	PTD				
104	3'-6"	7'-0"	B	WD	STN	1	HM	PTD			20M	
105	3'-0"	7'-0"	A	WD	STN	2	HM	PTD	1/2" MARBLE			
106A	3'-6"	2'-6"	A	WD	STN	3	HM	PLAM				PLAM GATE
106B	3'-6"	7'-0"	A	FRP	KYNAR	4	AL	KYNAR	ALUM			
107A	3'-0"	7'-0"	B	WD	STN	1	HM	PTD			20M	
107B	3'-0"	7'-0"	B	WD	STN	1	HM	PTD			20M	
108	3'-0"	7'-0"	B	WD	STN	1	HM	PTD			20M	
109	3'-0"	7'-0"	B	WD	STN	1	HM	PTD			20M	

REMARKS - DOOR SCHEDULE	
1	EXISTING DOOR AND FRAME TO REMAIN. RE-STAIN ALL COMPONENTS
2	PROVIDE TEMPERED GLASS IN DOOR AND FRAME OPENINGS
3	PROVIDE FIRE RATED GLAZING IN DOOR AND FRAME OPENINGS
4	PROVIDE NEW DOOR AND FRAME IN EXISTING WALL OPENING (V.I.F.)
5	PROVIDE KEYED REMOVABLE CENTER MULLION

DOOR TYPES:



FRAME TYPES:



SCHEDULES

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

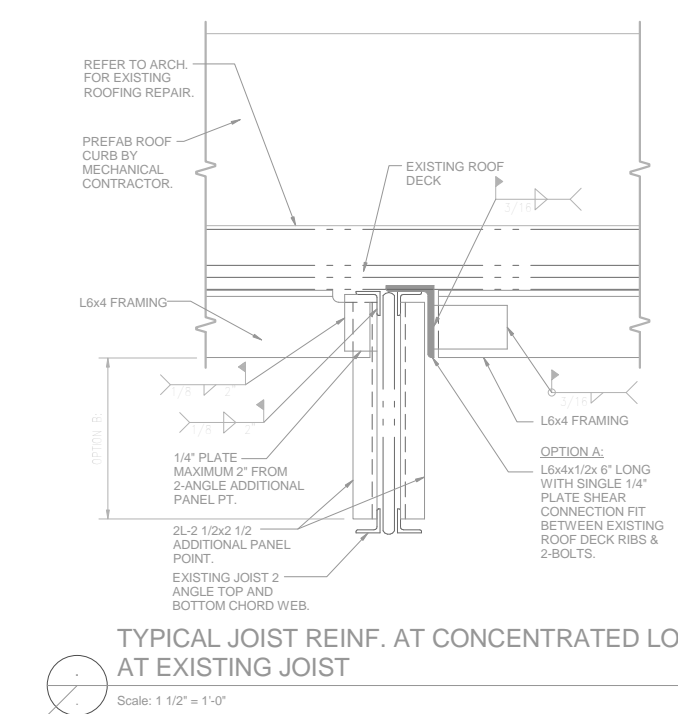
DRAWN BY: MTS
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REVISIONS:

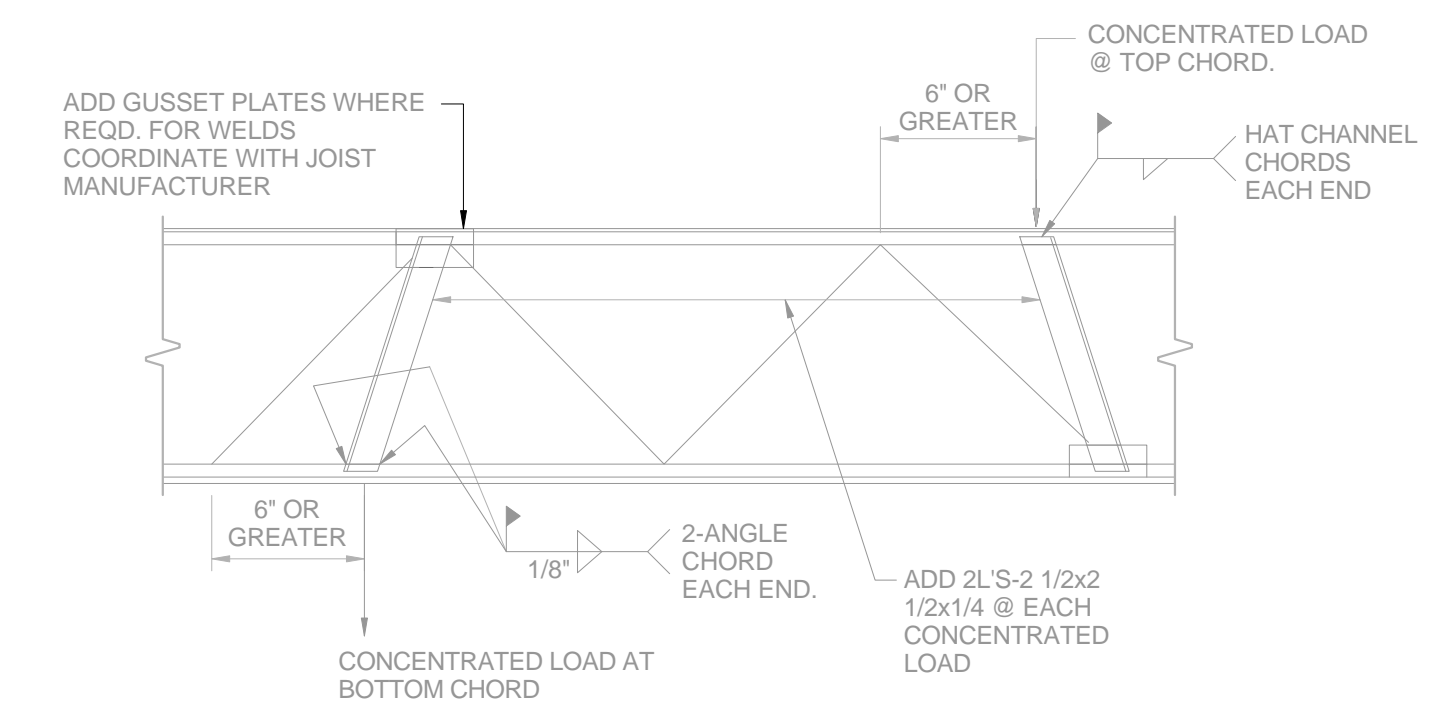
DATE: 02.23.2015
 SHEET NO.:

A6.0

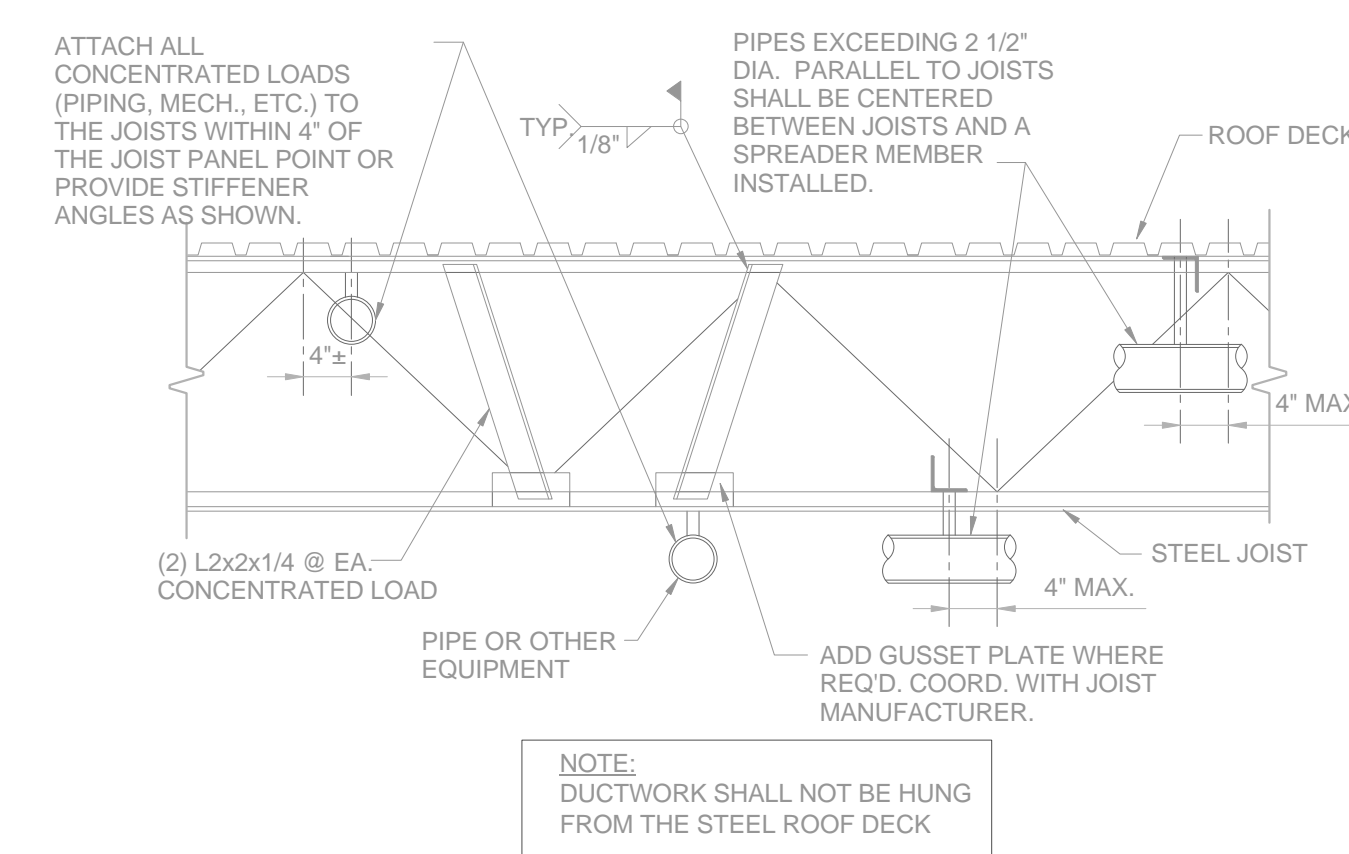
JOB NO.: 141596



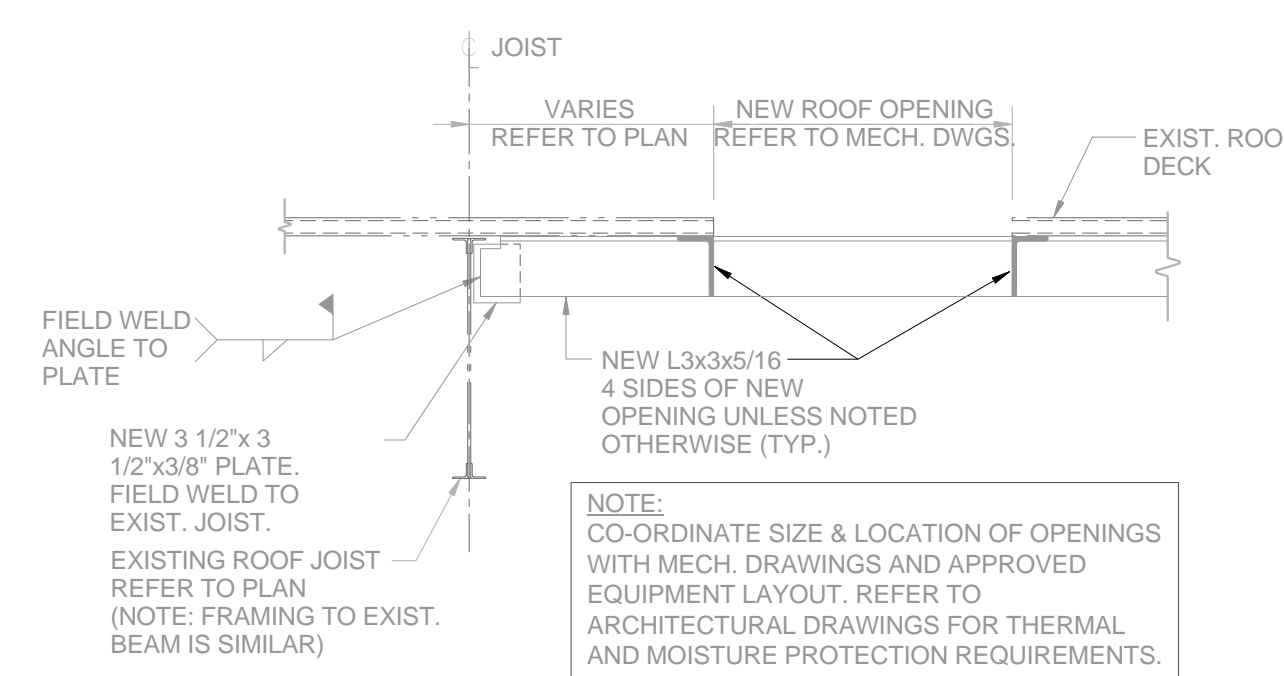
TYPICAL JOIST REINF. AT CONCENTRATED LOAD AT EXISTING JOIST
Scale: 1/2" = 1'-0"



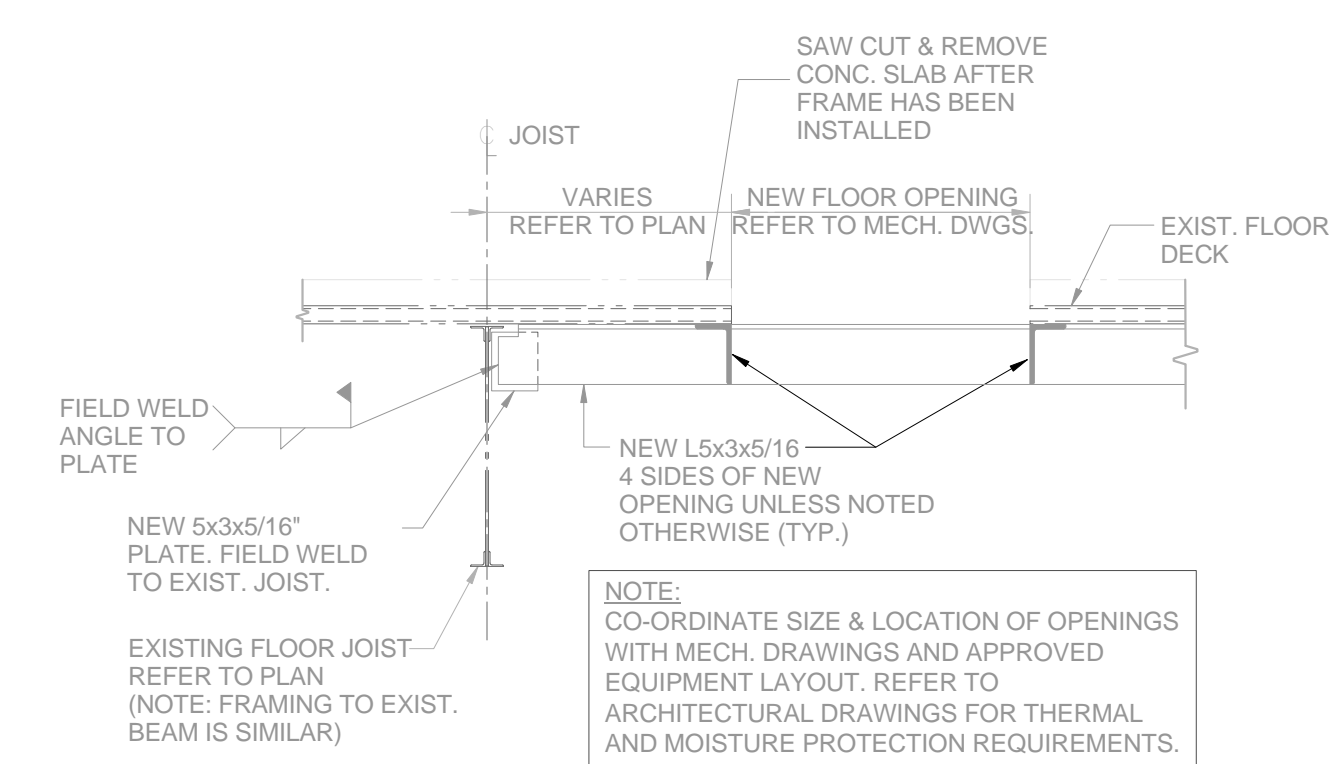
TYP. JOIST REINFORCING AT CONCENTRATED LOAD
Scale: No Scale



JOIST REINF. @ MECH. PIPING
Scale: 3/4" = 1'-0"



NEW ROOF OPENING @ EXIST. JOIST
Scale: 3/4" = 1'-0"



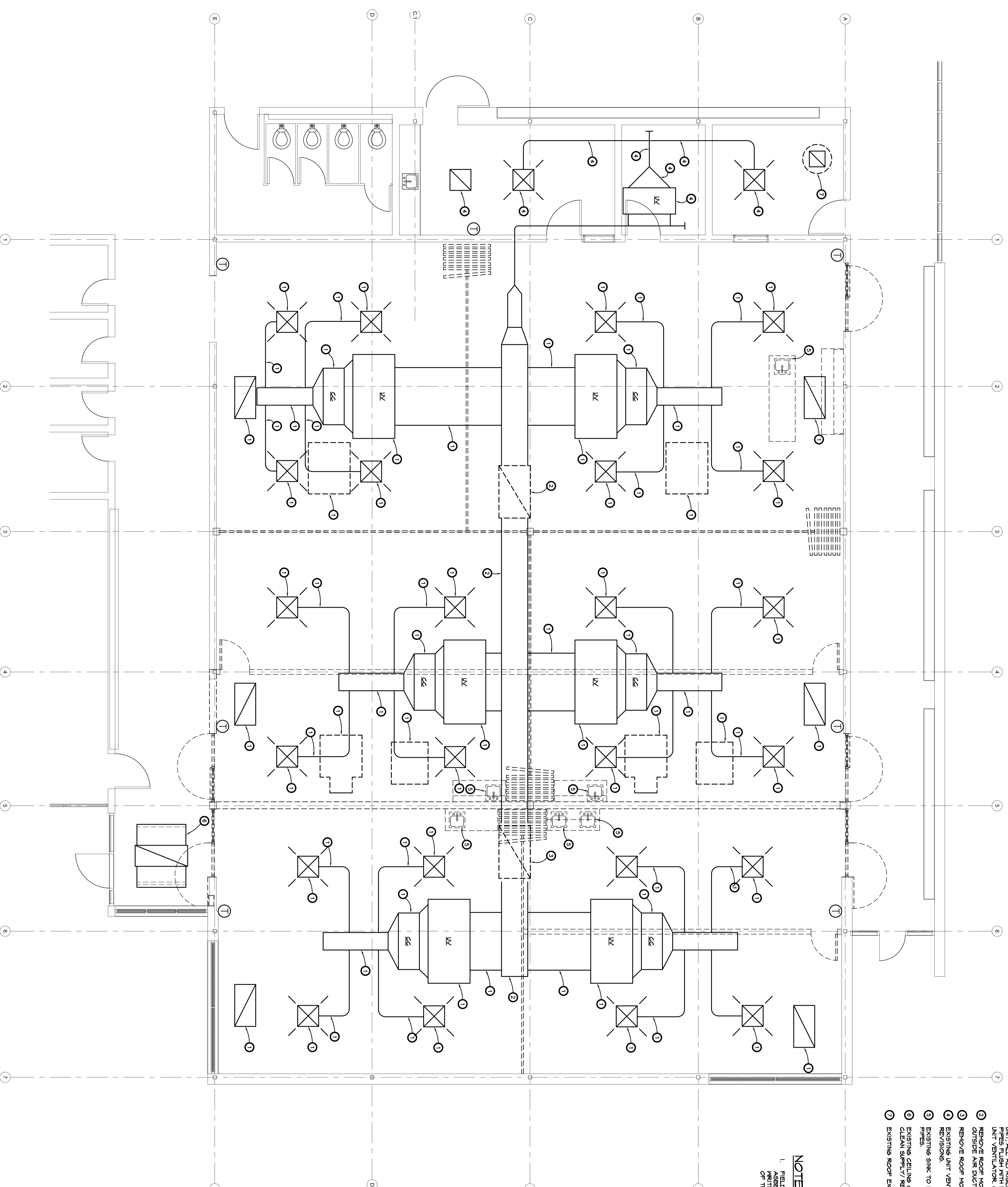
NEW FLOOR OPENING @ EXIST. JOIST
Scale: 3/4" = 1'-0"

DEMOLITION PLAN NOTES:

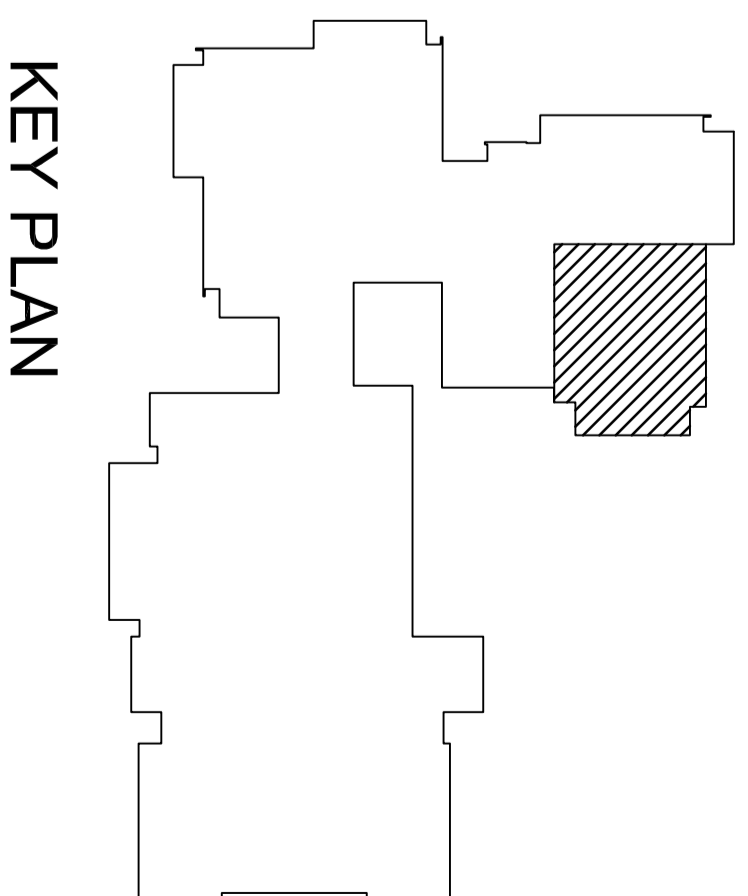
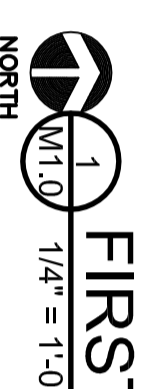
- 1 REMOVE EXISTING CEILING MOUNTED UNIT VENTILATOR (U/V) AND DRY COOLING COIL DUCTS. CEILING DIFFUSERS, CEILING RETURN AIR GRILLES, THERMOSTATS, AND OUTSIDE AIR CONNECTING DUCT. REMOVE ROOF MOUNTED CONDENSING UNIT ALL REFRIGERANT PIPES AND COIL CONDENSATE DRAIN PIPE. CAP UNIT VENTILATOR (TYPICAL OF 6 UNIT VENTILATORS AS DESCRIBED ABOVE).
- 2 REMOVE ROOF MOUNTED OUTSIDE AIR INTAKE HOOD AND ALL CONNECTING OUTSIDE AIR DUCTS TO THE UNIT VENTILATORS.
- 3 REMOVE ROOF MOUNTED RELIEF AIR HOOD.
- 4 EXISTING UNIT VENTILATOR COOLING COIL REUSED. SEE NEW WORK PLAN FOR REVISIONS.
- 5 EXISTING SINK TO BE REMOVED. CAP ALL CONNECTING HW, CW AND DRAIN PIPES.
- 6 EXISTING CEILING CASSETT UNIT HEATER REUSED. INSTALL NEW AIR FILTER.
- 7 EXISTING ROOF EXHAUST FAN TO REMAIN.

NOTES:

1. FIELD VERIFY THE PRESENCE OF THE ABOVE ITEMS. REPORT TO THE ARCHITECT IN WRITING FOR INSTRUCTION PRIOR TO STARTING OF THE DEMO WORK.



FIRST FLOOR PLAN DEMOLITION



KEY PLAN

**WARREN WOODS
HAWTHORN CHILDCARE
WARREN, MI**

FIRST FLOOR PLAN -
DEMOLITION

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

DRAWN BY: AAH
CHECKED BY: AAH

REVISIONS:

DATE: 08/09/14
SHEET NO.:

M1.1

JOB NO.: 141596

PLAN CODE	TYPE	CFM	NECK SIZE	MODULE	TTUS MODEL NO.
A	DIFF	250	8"Ø	24"x24"	TM6A-AA
B	DIFF	275	8"Ø	24"x24"	TM6A-AA
C	DIFF	300	10"Ø	24"x24"	TM6A-AA
D	DIFF	200	8"Ø	24"x24"	TM6A-AA
E	DIFF	50	6"Ø	8"Ø	TDCA-AA
F	REG	-	22"x4"	24"x24"	50F
R	REG	-	22"x4"	24"x6"	50F
EX	EXH	300	8"Ø	10"x10"	23R

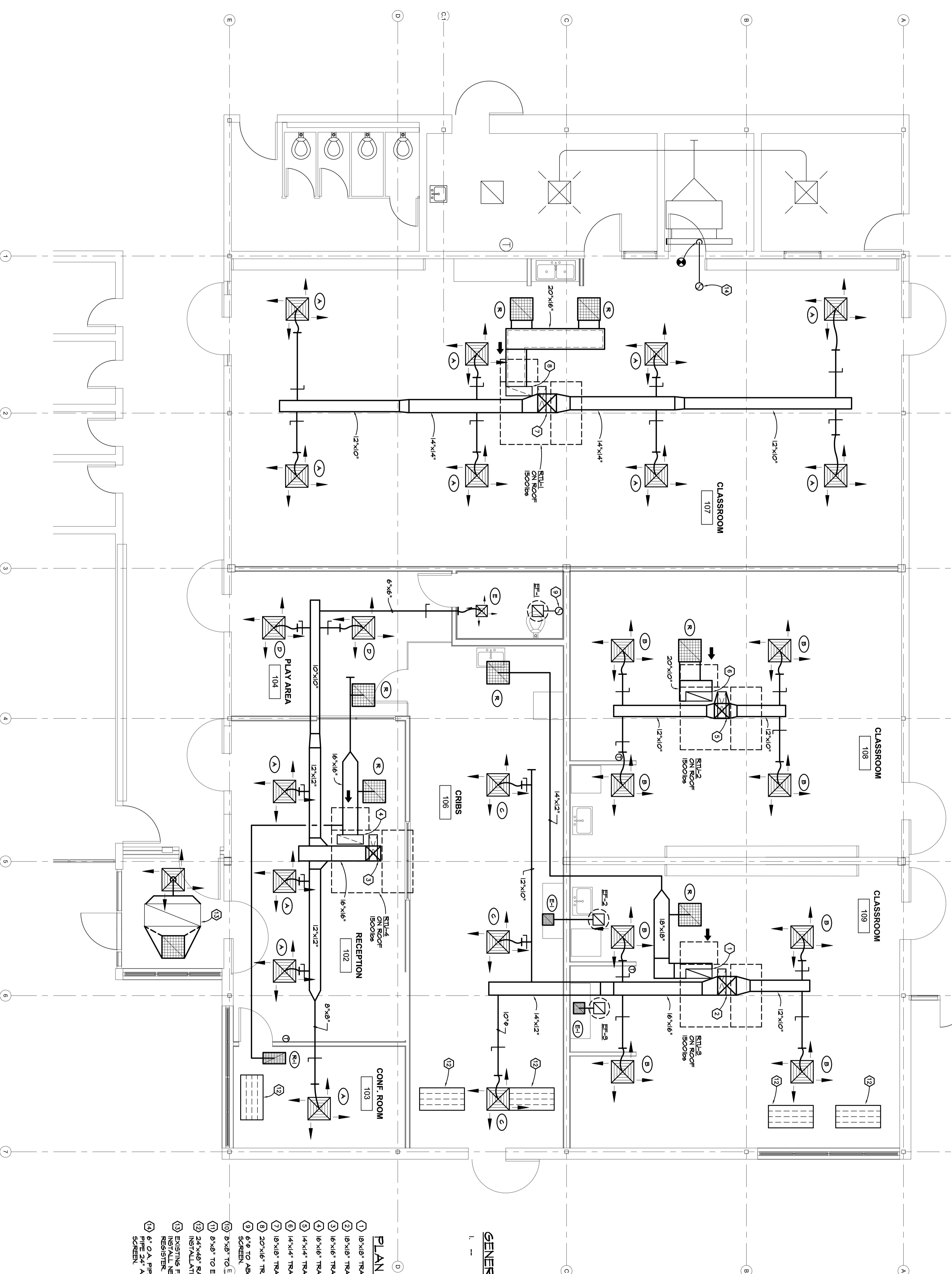
DIFFUSERS, REGISTERS SCHEDULE

WARREN WOODS ENGINEERING, LLC.
 1000 W. WARREN AVENUE, SUITE 100
 WARREN, MI 48093
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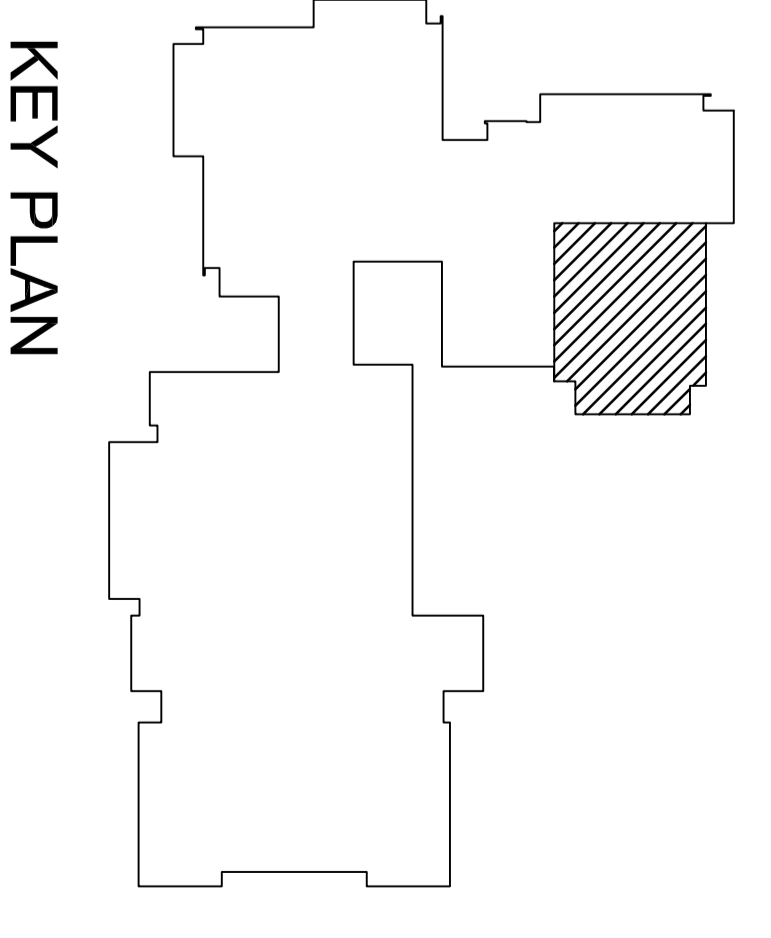
GENERAL NOTES:

- PLAN NOTES:**
- 18"x18" TRANSITION TO RTU-3 RETURN AIR OPENING.
 - 18"x18" TRANSITION TO RTU-3 SUPPLY AIR OPENING.
 - 16"x16" TRANSITION TO RTU-4 SUPPLY AIR OPENING.
 - 16"x16" TRANSITION TO RTU-4 RETURN AIR OPENING.
 - 14"x14" TRANSITION TO RTU-2 SUPPLY AIR OPENING.
 - 14"x14" TRANSITION TO RTU-2 RETURN AIR OPENING.
 - 18"x18" TRANSITION TO RTU-1 SUPPLY AIR OPENING.
 - 20"x16" TRANSITION TO RTU-1 RETURN AIR OPENING.
 - 6"Ø TO ABOVE FINISHED ROOF, TERMINATE WITH GOOSE NECK AND BIRD SCREEN.
 - 8"x8" TO EXHAUST FAN EF-2 ON ROOF.
 - 8"x8" TO EXHAUST FAN EF-3 ON ROOF.
 - 24"x48" RADIANT CEILING PANEL, 500 WATTS, 120V/160 FOR T-BARS INSTALLATION FINISH WITH THERMOSTAT.
 - EXISTING FAN COIL AT CEILING REUSED. REWIRE SUPPLY-RETURN DUCTS, INSTALL NEW DUCTS AND CONNECT TO CEILING DIFFUSER AND RETURN AIR REGISTER.
 - 6" O.A. PIPE CONNECT TO EXISTING O.A. PLUMB SERVING FAN COIL. EXTEND PIPE 24" ABOVE FINISHED ROOF. TERMINATE WITH GOOSE NECK AND BIRD SCREEN.

FIRST FLOOR PLAN - HVAC

1/4" = 1'-0"

NORTH



WARREN WOODS
HAWTHORN CHILDCARE
 WARREN, MI

FIRST FLOOR PLAN - HVAC

PRELIMINARY
 DESIGN DEVELOPMENT
 CONSTRUCTION

DRAWN BY: AAH
 CHECKED BY: AAH

REVISIONS:

DATE: 08/09/14
 SHEET NO.: M1.2

JOB NO.: 141596

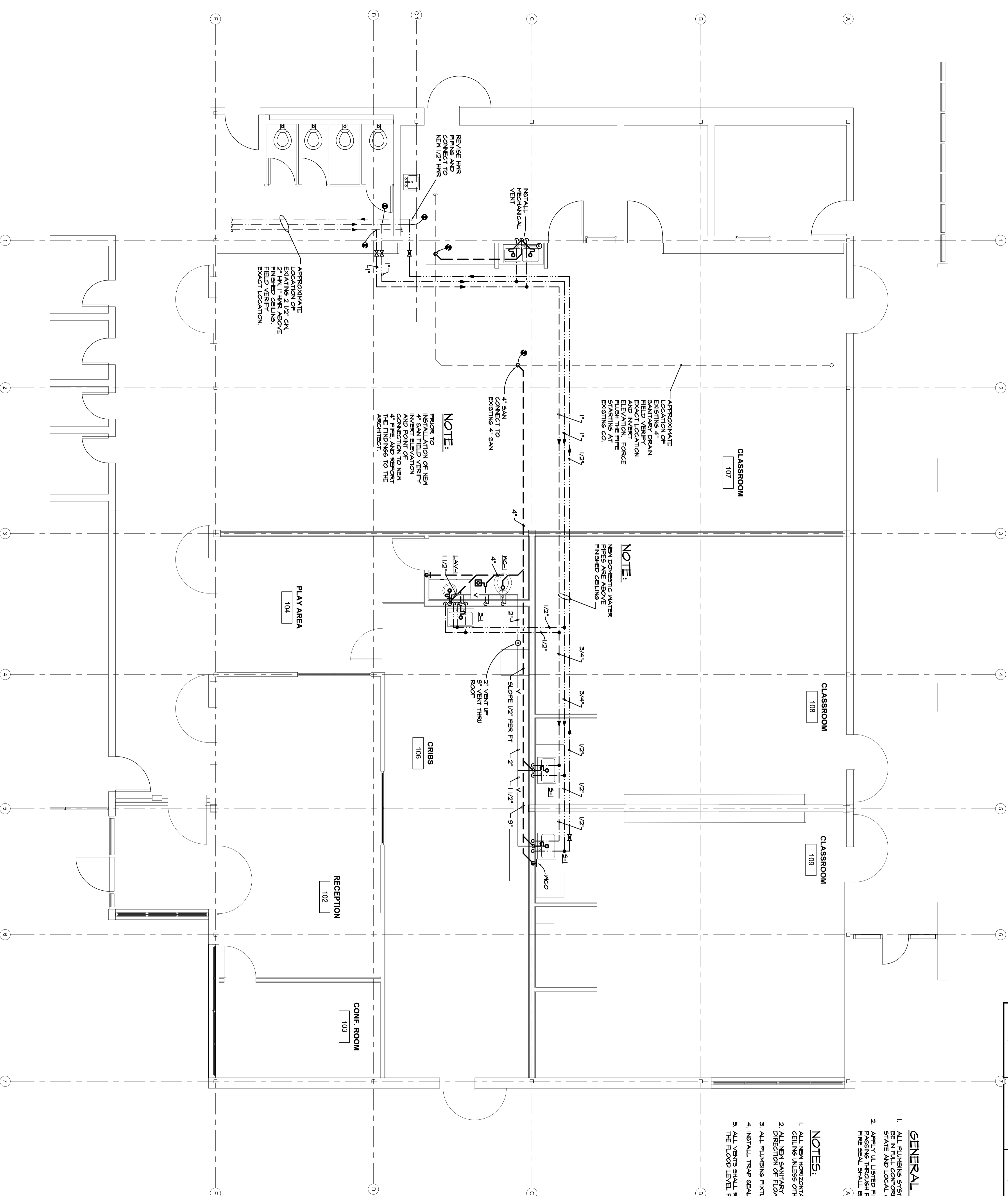
PLUMBING FIXTURE SCHEDULE				
FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
WC-1	1/2"	-	4"	2"
LAV-1	1/2"	1/2"	1 1/2"	1 1/2"
S-1, S-2	1/2"	1/2"	1 1/2"	1 1/2"

GENERAL NOTES:

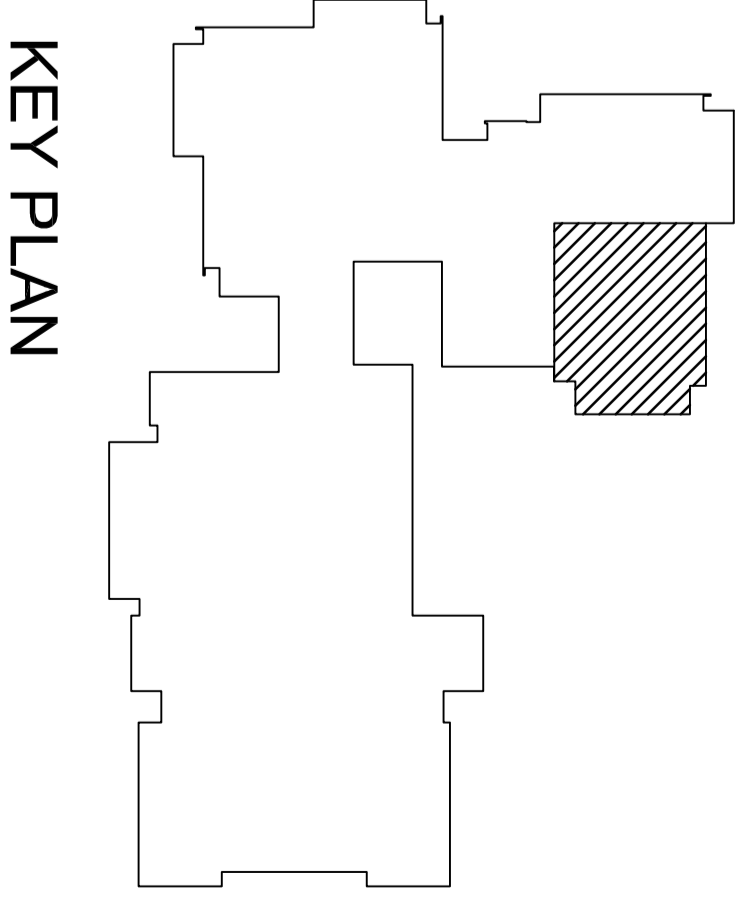
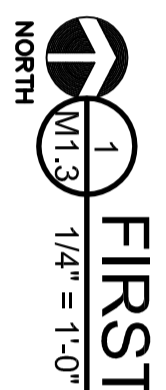
1. ALL PLUMBING SYSTEM INSTALLATION SHALL BE IN FULL COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CONSTRUCTION LAWS.
2. APPLY UL LISTED FIRE SEAL AROUND ALL PIPES GOING THROUGH FLOOR OR THROUGH WALLS (SEE DETAIL).

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 FITTINGS SHALL BE INDIVIDUALLY TRAPPED.
4. INSTALL TRAP SEAL PRIMER FOR FLOOR DRAIN.
5. ALL VENTS SHALL RISE VERTICALLY A MINIMUM OF 6" ABOVE THE FLOOR LEVEL. RIM OF THE HIGHEST TRAP BEING VENTED.



FIRST FLOOR PLAN - PLUMBING





- ELECTRICAL DEMOLITION PLAN NOTES**
- E1** 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.
 - E2** REMOVE EXISTING LIGHTING, DETECTORS AND SIMILAR OPERABLE PARTITIONS, WHICH ARE TO BE REMOVED
 - E3** REMOVE POWER SOURCES AND CONTROLS FOR EXISTING MECHANICAL EQUIPMENT, TO BE REMOVED, BACK TO SOURCE. SEE MECHANICAL DOCUMENTS FOR ADDITIONAL INFORMATION.
 - E4** REMOVE ALL ELECTRICAL BRANCH CIRCUITS SERVING EXISTING MECHANICAL EQUIPMENT, TO BE REMOVED, BACK TO SOURCE. SEE MECHANICAL DOCUMENTS FOR ADDITIONAL INFORMATION.
 - E5** REMOVE ALL ELECTRICAL OUTLETS AND ASSOCIATED BRANCH CIRCUITS AND LOW VOLTAGE DEVICES AND RACEWAY AT CASEWORK TO BE REMOVED.
 - E6** DISCONNECT MECHANICAL UNIT AND WIRING BACK TO SOURCE. REMOVE ASSOCIATED STARTERS, SWITCHES, ETC. SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION

- 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.

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

WARREN WOODS PUBLIC SCHOOLS
HAWTHORN EARLY CHILDHOOD CENTER RENOVATIONS
 WARREN, MI

FIRST FLOOR PLAN ELEC. DEMO

PRELIMINARY
 DESIGN DEVELOPMENT
 CONSTRUCTION
 FINAL RECORD

DRAWN BY: Author
 CHECKED BY: Checker

REVISIONS:

DATE: 02/19/15
 SHEET NO.: **E0.1**

JOB NO.: 141596

WA

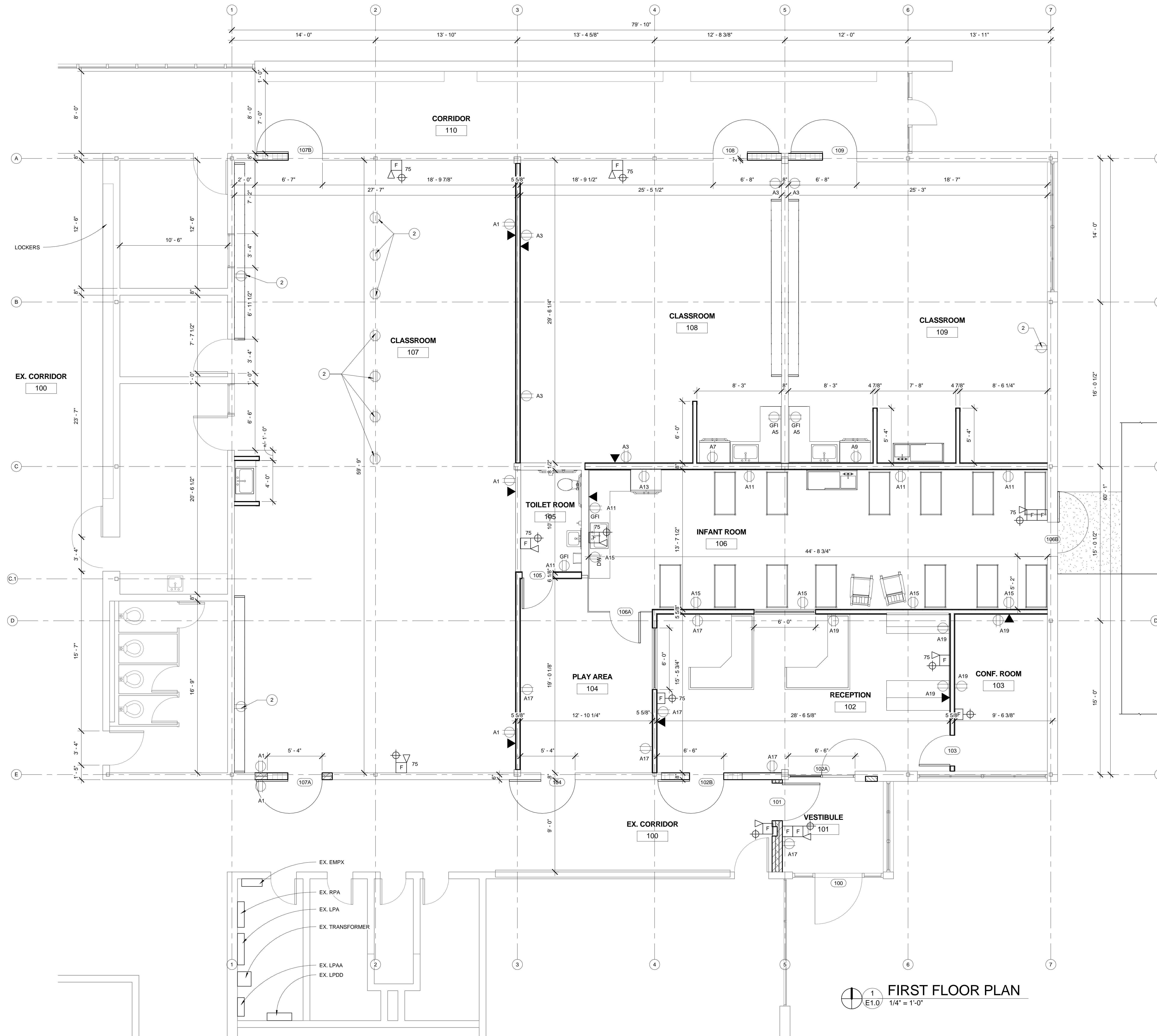
WAKELY ASSOCIATES, INC.
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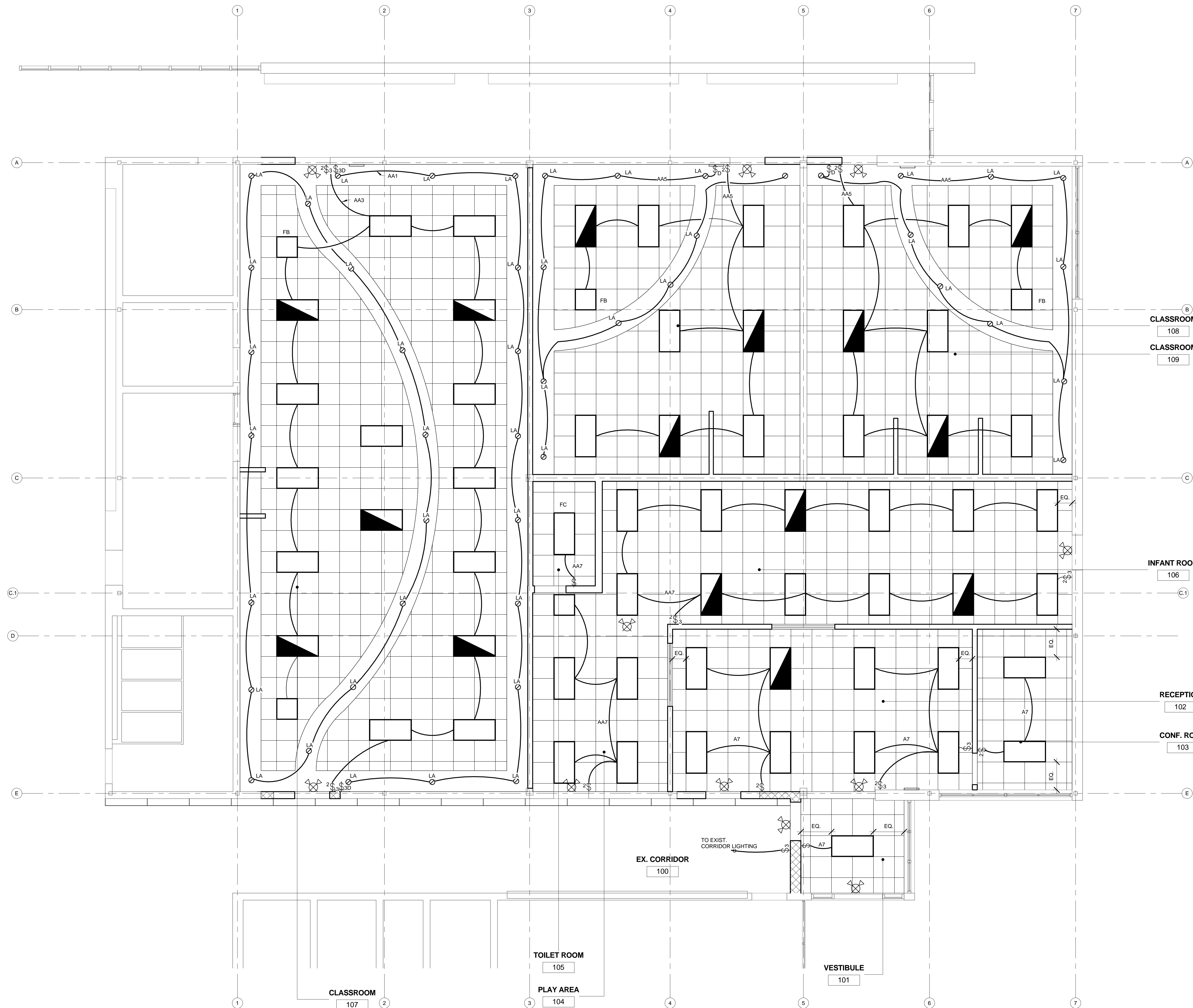
SYMBOL	DESCRIPTION
	DUPLEX OUTLET
	TECHNOLOGY OUTLET
	FIRE ALARM HORN/STROBE
	FIRE ALARM STROBE

ELECTRICAL PLAN NOTES:

- APPROX. LOCATION OF EXISTING WALL RECEPTACLE. PROVIDE NEW TAMPERPROOF DEVICES.
- APPROX. LOCATION OF EXISTING FLOOR OUTLETS. PROVIDE NEW TAMPERPROOF DEVICES (V.I.F.).



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



CEILING PLAN LEGEND:

	2x4 LAY-IN FLUORESCENT LIGHT FIXTURE IN ACOUSTICAL CEILING SYSTEM - REFER TO ELEC.
	INCAND. FLUORESCENT LED OR HID LIGHT FIXTURE RECESSED OR CEILING MOUNTED - REFER TO ELEC.
	2' SUSPENDED SOFT BAY FIXTURE - REFER TO ELEC.
	2x2 CEILING TILE IN EXP. METAL TEE GRID
	GYPSUM CEILING / SOFFIT
	DIFFUSER
	RETURN AIR REGISTER
	RADIANT PANEL
	EMERGENCY FIXTURE - W/ 1800 LUMEN BATTERY UNIT IN FIXTURE FOR 2 LAMPS CONN. BATTERY AHEAD OF SWITCHING
	EXIT LIGHT 2 1/2 HEAD (SIDE MOUNTED) AND BATTERY
	(2) TWO SWITCHES, FIRST FOR ONE INNER ROW LAMP AND SECOND FOR 2 OUTER ROW LAMPS
	RECESSED WALL BOX DIMMER FOR LED LIGHTING
	DIMMER SWITCH FOR LED LIGHTING

LIGHTING FIXTURE SCHEDULE:

TYPE	LAMPS	DESCRIPTION	REMARKS
FA	3-32W T8	2x4 LAY-IN, PRISMATIC ACRYLIC, 125 LENS, ELECTRONIC <10%THD BALLAST, DAYBRITE, LITHONIA	PROVIDE BATTERY UNIT WHERE SHOWN
FB	2-17W T8	2x2 LAY-IN, PRISMATIC ACRYLIC, 125 LENS, ELECTRONIC <10%THD BALLAST, DAYBRITE, LITHONIA	
FC	2-32W T8	2x4 LAY-IN, PRISMATIC ACRYLIC, 125 LENS, ELECTRONIC <10%THD BALLAST, DAYBRITE, LITHONIA	
LA	LED 3500K	6" DIA. RECESSED LED FIXTURE LIGHTOLIER C6L SERIES, LITHONIA	
		EXIT LIGHTING FIXTURE WITH (2) HEADS, RED LETTERS ON WHITE LIGHTOLIER, LITHONIA	CEILING OR WALL MOUNTED

NOTES:
 1. ALL 2x4 FIXTURES TO BE TYPE FA UNLESS OTHERWISE NOTED
 2. ALL 2x2 FIXTURES TO BE TYPE FB UNLESS OTHERWISE NOTED

REFLECTED CEILING PLAN
 1/4" = 1'-0"