

An Addition and Interior Renovation for:

Romeoville Area Historical Society

14 Belmont Drive
Romeoville, Illinois 60446

Abbreviations

AA ARCHITECT	BB BRICK	CC CONCRETE
AB ARCHITECT	BC BRICK	CD CONCRETE
AC ARCHITECT	BD BRICK	CE CONCRETE
AD ARCHITECT	BE BRICK	CF CONCRETE
AE ARCHITECT	BF BRICK	CG CONCRETE
AF ARCHITECT	BG BRICK	CH CONCRETE
AG ARCHITECT	BH BRICK	CI CONCRETE
AH ARCHITECT	BI BRICK	CJ CONCRETE
AI ARCHITECT	BJ BRICK	CK CONCRETE
AL ARCHITECT	BL BRICK	CL CONCRETE
AM ARCHITECT	BM BRICK	CM CONCRETE
AN ARCHITECT	BN BRICK	CN CONCRETE
AO ARCHITECT	BO BRICK	CO CONCRETE
AP ARCHITECT	BP BRICK	CP CONCRETE
AQ ARCHITECT	BQ BRICK	CQ CONCRETE
AR ARCHITECT	BR BRICK	CR CONCRETE
AS ARCHITECT	BS BRICK	CS CONCRETE
AT ARCHITECT	BT BRICK	CT CONCRETE
AV ARCHITECT	BV BRICK	CV CONCRETE
AW ARCHITECT	BW BRICK	CW CONCRETE
AX ARCHITECT	BX BRICK	CX CONCRETE
AY ARCHITECT	BY BRICK	CY CONCRETE
AZ ARCHITECT	BZ BRICK	CZ CONCRETE

Material Symbols

TIMBER - WOOD FRAMING	BRICK
RIGID BOARD INSULATION	CONCRETE BLOCK (CMU)
BATT INSULATION	GLAZED CMU
GYP. BD. PLASTER SAND, MORTAR	CERAMIC OR QUARRY TILE
ALUMINUM	EARTH
SCREENING	GRANULAR FILL
RESILIENT FLOORING	
REINFORCING BARS	
CONCRETE	
PRECAST STONE OR CONCRETE	
STEEL	
PLYWOOD	
FINISH WOOD	
ACOUSTICAL TILE OR PANELS	
GLASS (LARGE SCALE)	
GLASS (SMALL SCALE)	
TERRAZZO	

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Romeoville Area Historical Society

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Romeoville, Illinois 60446

Project Team

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Civil Engineer
Ruettiger, Tonelli and Associates, Inc.

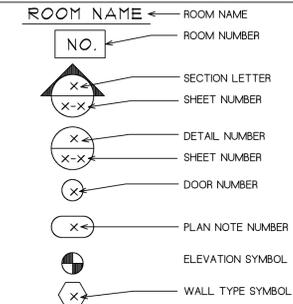
129 Capista Drive
Shorewood, Illinois 60404
815-744-6600

General Notes

- MARK J. RUPPIS, ARCHITECT RESERVES COPYRIGHT AND OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.
- GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS IN FIELD PRIOR TO STARTING WORK AND BE RESPONSIBLE FOR SAME.
- DO NOT SCALE DRAWING. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS, AND SHALL BE VERIFIED IN THE FIELD BY THE GENERAL CONTRACTOR. ANY DISCREPANCY IN DIMENSIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND/OR OWNER.
- THE GENERAL CONTRACTOR AND EACH SUB-CONTRACTOR SHALL MAKE HIS OWN INSPECTIONS AND MEASUREMENTS. OWNER SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF DIMENSIONS AND FOR ERRORS AND OMISSIONS IN THE DRAWINGS IF WRITTEN CONFIRMATION HAD NOT BEEN RECEIVED BY THE ARCHITECT.
- THE ARCHITECT IS NOT RESPONSIBLE FOR METHODS AND/OR MEANS OF CONSTRUCTION.
- GENERAL CONTRACTOR SHALL CONTACT EQUIPMENT SUPPLIERS TO VERIFY ALL SPECIFICATIONS, REQUIREMENTS AND CONNECTIONS.
- CONTRACTOR IS TO SECURE ANY AND ALL NECESSARY PERMITS REQUIRED FOR THE PROJECT AND PAY FOR SAME. CONTRACTOR TO ARRANGE AND PAY FOR ALL NECESSARY INSPECTIONS.
- ALL WORK TO COMPLY WITH THE VILLAGE OF ROMEOVILLE, ILLINOIS BUILDING CODES, ORDINANCES, AND STATE OF ILLINOIS ACCESSIBILITY CODE.
- ALL CONTRACTORS SHALL SECURE PAY FOR AND MAINTAIN PRIOR TO COMMENCEMENT OF CONSTRUCTION AND CONTINUING THROUGH CONSTRUCTION, FIXTURES AND OPENING THE FOLLOWING INSURANCE:
THE LANDLORD, LANDLORD'S MORTGAGEE, BENEFICIARIES AND THEIR RESPECTIVE AGENTS AND EMPLOYEES SHALL BE NAMED AS ADDITIONAL INSURED. ALL SUCH POLICIES SHALL NOT BE CANCELLED EXCEPT UPON THIRTY (30) DAY WRITTEN NOTICE TO LANDLORD. ALL CERTIFICATES SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO CONSTRUCTION. ARCHITECT SHALL FURNISH THE NAMES OF THE ADDITIONAL INSURED.
MINIMUM COVERAGE AND LIMITS OF LIABILITY:
WORKMEN'S COMPENSATION EMPLOYER'S LIABILITY INSURANCE WITH LIMITS OF NOT LESS THAN \$200,000.00 AND AS REQUIRED BY ANY EMPLOYEE BENEFITS ACT OR OTHER STATUTES APPLICABLE WHERE THE WORK IS TO BE PERFORMED AS WELL AS PROTECT THE CONTRACTOR AND SUBCONTRACTORS FROM ANY AND ALL LIABILITY UNDER THE AFOREMENTIONED ACTS.
COMPREHENSIVE GENERAL LIABILITY INSURANCE (INCLUDING CONTRACTOR'S PROTECTIVE LIABILITY) IN AN AMOUNT OF NOT LESS THAN \$500,000.00 FOR INJURY OR DEATH TO ANY ONE PERSON AND \$1,000,000.00 FOR INJURY OR DEATH OF MORE THAN ONE PERSON IN ANY ONE OCCURRENCE AND \$500,000.00 FOR PROPERTY DAMAGE. SUCH INSURANCE SHALL PROVIDE FOR EXPLOSION AND COLLAPSE COVERAGE AND CONTRACTUAL LIABILITY COVERAGE AND ANY AND ALL CLAIMS FOR PERSONAL INJURY, INCLUDING DEATH, RESULTING THEREFROM AND DAMAGE TO THE PROPERTY OF OTHERS AND ARISING FROM ITS OPERATIONS UNDER THE CONTRACT WHETHER SUCH OPERATIONS ARE PERFORMED BY THE GENERAL CONTRACTOR, SUBCONTRACTORS OR ANY OF THEIR SUBCONTRACTORS, OR BY ANY ONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM.
COMPREHENSIVE AUTOMOBILE LIABILITY INSURANCE, INCLUDING THE OWNERSHIP, MAINTENANCE AND OPERATION OF ANY AUTOMOTIVE EQUIPMENT OWNED, HIRED AND NON-OWNED IN THE FOLLOWING AMOUNTS:
1. BODILY INJURY, EACH PERSON + \$500,000.00
2. BODILY INJURY, EACH OCCURRENCE + \$1,000,000.00
3. PROPERTY DAMAGE, LIABILITY + \$500,000.00
BUILDER'S RISK COMPLETED VALUE FORM AFFORDING ALL RISKS OF PHYSICAL LOSS OR DAMAGE ON ITS WORK IN THE LEASED PREMISES.
10. ALL CONTRACTORS SHALL BE BONDED AND LICENSED IN ROMEOVILLE, ILLINOIS

DESIGN AND CONSTRUCTION SHALL COMPLY WITH TITLE 12 OF THE AMERICANS WITH DISABILITIES ACT.

Drawing Symbols



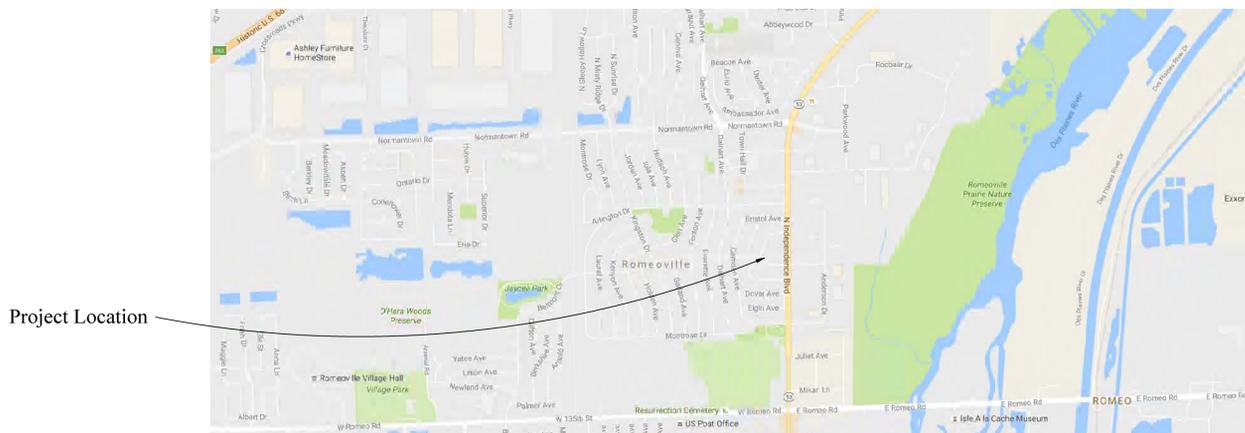
Index of Drawings

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Building Data

- APPLICABLE CODES:
2014 STATE OF ILLINOIS PLUMBING CODE
2009 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL ENERGY CONSERVATION CODE
2009 INTERNATIONAL FIRE CODE
2009 INTERNATIONAL FUEL GAS CODE
2009 INTERNATIONAL MECHANICAL CODE
2011 NATIONAL ELECTRIC CODE
1911 ILLINOIS ACCESSIBILITY CODE
- TENANT USE CLASSIFICATION:
CLASS A-3 - ASSEMBLY MUSEUM
- CONSTRUCTION TYPE
TYPE V-B, COMBUSTIBLE
- FLOOR AREA:
MAIN FLOOR: 1265 GROSS SF.
- OCCUPANCY LOAD FOR EXIT REQUIREMENTS
FIRST FLOOR:
ASSEMBLY AREAS - 1175 SF/5 SF PER PERSON + 235 PEOPLE
KITCHEN AREA - 46 SF/200 SF PER PERSON + 1 PERSON
MECHANICAL AREAS - 21 SF/300 SF PER PERSON + 1 PERSON
OFFICE AREAS - 118 SF/100 SF PER PERSON + 1 PERSON
MAIN FLOOR TOTAL - 238 PEOPLE
- MEANS OF EGRESS CALCULATIONS:
MAIN FLOOR DOORS: 238 PEOPLE x 0.21 PER PERSON + 48 INCHES
(2) 36" DOORS (12') PROVIDED
- ALL DOORS USED IN CONNECTION WITH EXITS SHALL BE READILY OPENED FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE PER 2009 INTERNATIONAL BUILDING CODE SECTION 1008.1.3.
- ALL WALL AND CEILING FINISH MATERIALS SHALL HAVE A CLASS A FIRE RATING - FLAME SPREAD RATING 0-25, SMOKE DEVELOPED 0-450 PER 2009 INTERNATIONAL BUILDING CODE TABLE 803.9. FLOOR COVERINGS SHALL BE CLASS II PER 2009 INTERNATIONAL BUILDING CODE SECTION 804.2.
- ALL GLAZED DOORS AND SIDELIGHTS SHALL BE GLAZED WITH SAFETY GLAZING MATERIAL PER 2009 INTERNATIONAL BUILDING CODE SECTION 2406.

Site Map



Project Location

Issued for: Date

DEVELOPMENT	9-5-16
FRICING	10-18-16
PLAN COMMISSION	11-22-16

Revisions Date

I hereby certify that these plans were prepared under my direct supervision, & to the best of my knowledge conform to the building codes & ordinances of ROMEOVILLE, ILLINOIS



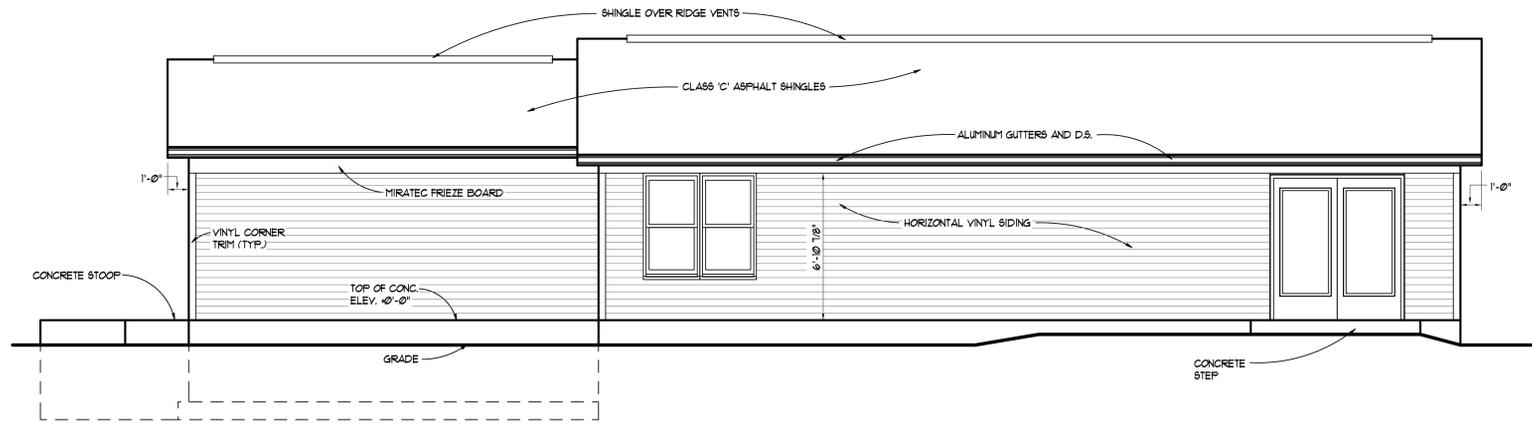
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Drawn by: MUR Checked by: MUR

Job no: 1605.02

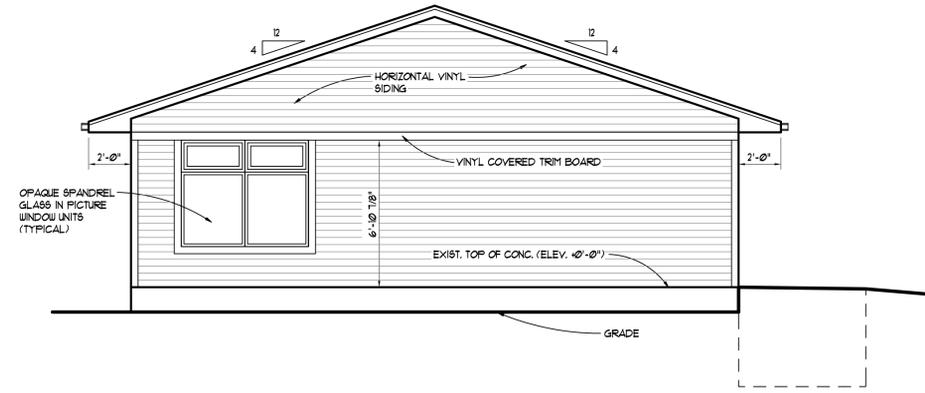
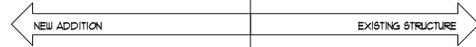
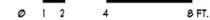
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Tuesday, November 22, 2016 4:02 PM
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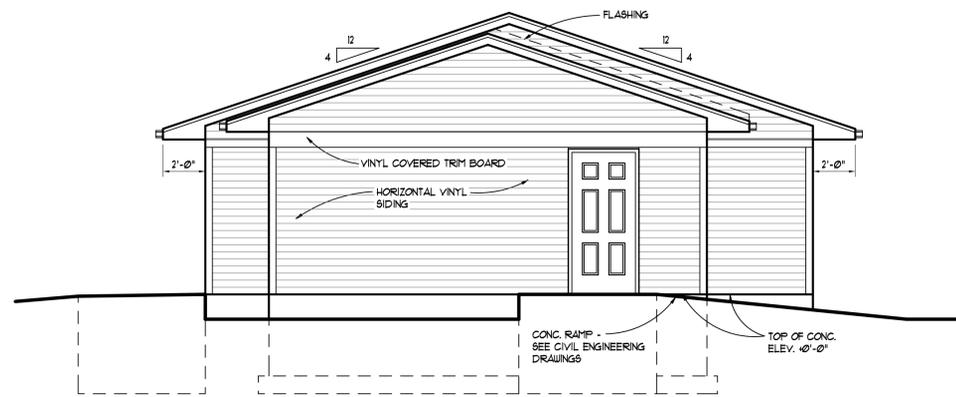
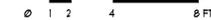
Rear (North) Elevation

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



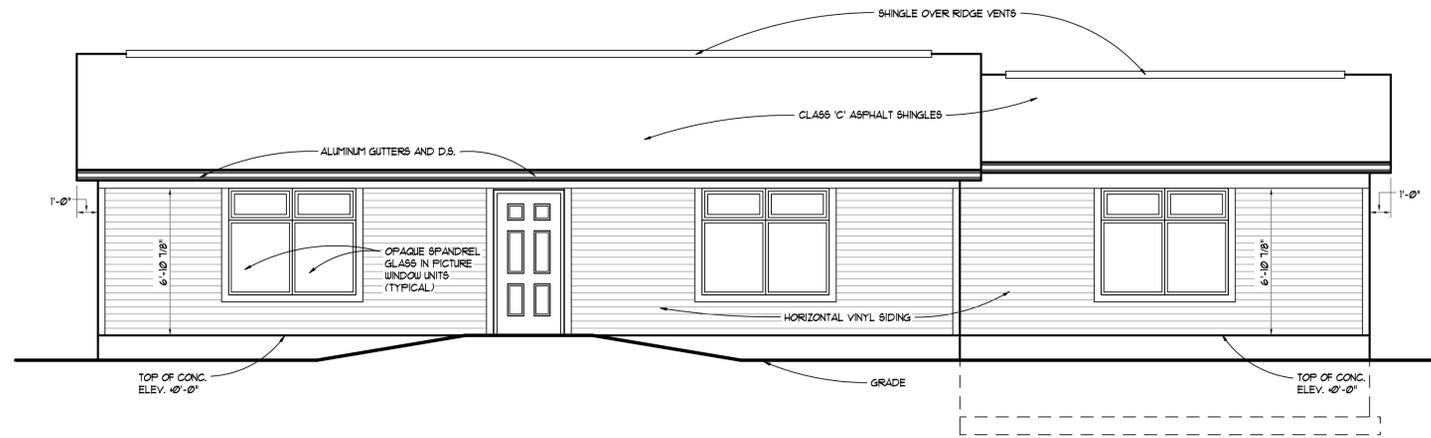
Left Side (West) Elevation

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



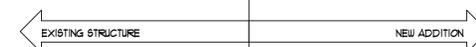
Right Side (East) Elevation

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



Front (South) Elevation

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



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DEVELOPMENT	9-15-16
PRICING	10-18-16
PLAN COMMISSION	11-22-16

Revisions	Date

Elevations

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 Checked by: MUR

Job no: 1605.02

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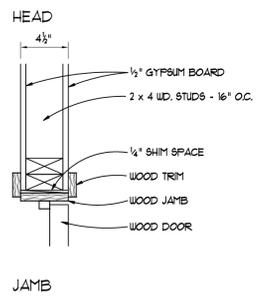
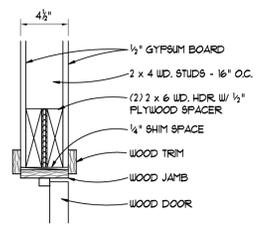
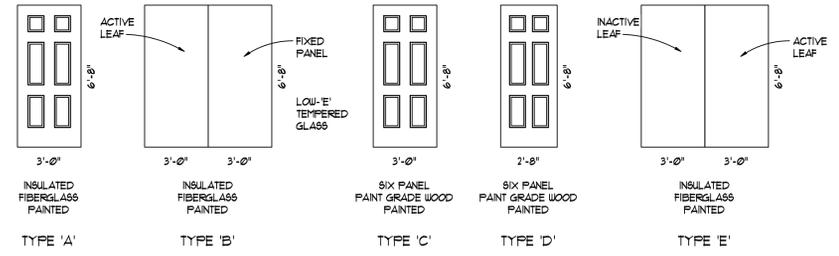
Door Schedule

Mark	Location	Size	Door				Frame				Details		Hardware Group
			Type	Material	Finish	Label	Type	Material	Finish	Label	Head	Jamb	
1	MAIN ENTRY	3'-0" x 6'-8" x 1 1/4"	A	FIBERGL	PAINT	-	WOOD	PAINT	-	-	-	-	1
2	REAR ENTRY	PAIR 3'-0" x 6'-8" x 1 1/4"	B	FIBERGL	PAINT	-	WOOD	PAINT	-	-	-	-	2
3	KITCHENETTE	3'-0" x 6'-8" x 1 1/4"	C	WOOD	PAINT	-	WOOD	PAINT	-	3/A3	3/A3	-	3
4	MEN	3'-0" x 6'-8" x 1 1/4"	C	WOOD	PAINT	-	WOOD	PAINT	-	3/A3	3/A3	-	4
5	MECHANICAL CLOSET	2'-8" x 6'-8" x 1 1/4"	D	WOOD	PAINT	-	WOOD	PAINT	-	3/A3	3/A3	-	5
6	WOMEN	3'-0" x 6'-8" x 1 1/4"	C	WOOD	PAINT	-	WOOD	PAINT	-	3/A3	3/A3	-	4
7	OFFICE	3'-0" x 6'-8" x 1 1/4"	C	WOOD	PAINT	-	WOOD	PAINT	-	3/A3	3/A3	-	6
8	EAST EXIT	3'-0" x 6'-8" x 1 1/4"	A	FIBERGL	PAINT	-	WOOD	PAINT	-	-	-	-	1
9	STORAGE BUILDING	PAIR 3'-0" x 6'-8" x 1 1/4"	E	FIBERGL	PAINT	-	WOOD	PAINT	-	-	-	-	7

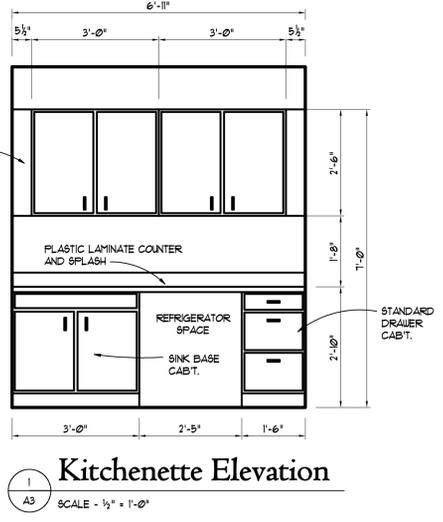
Hardware Schedule

* SPECIFIED MANUFACTURER OR APPROVED EQUAL

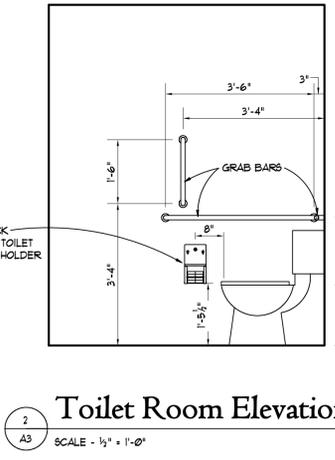
QUANTITY	ITEM	MODEL NO.	FINISH	MANUFACTURER	QUANTITY	ITEM	MODEL NO.	FINISH	MANUFACTURER	QUANTITY	ITEM	MODEL NO.	FINISH	MANUFACTURER
HARDWARE SET NO. 1					HARDWARE SET NO. 2					HARDWARE SET NO. 3				
3	HINGES	59B1	US36D	IVE9	6	HINGES	59B1	US36D	IVE9	3	HINGES	59B1	US33D	IVE9
1	EXIT DEVICE	SRL WITH 06 LEVER	US56D	VON DUPRIN	1	LOCKSET	AL53PD SATURN	US56D	SCHLAGE	1	LATCHSET	AL53PD SATURN	US56D	SCHLAGE
1	CLOSER	D60 Parallel		LCN	3	DOOR SILENCERS	SR6-4		IVE9	3	DOOR SILENCERS	SR6-4		IVE9
					1	FLUSH BOLT	FB62		IVE9					
HARDWARE SET NO. 4					HARDWARE SET NO. 5					HARDWARE SET NO. 6				
3	HINGES	59B1	US33D	IVE9	3	HINGES	59B1	US33D	IVE9	3	HINGES	59B1	US33D	IVE9
1	LOCKSET	AL40S SATURN	US56D	SCHLAGE	1	LOCKSET	AL50PD SATURN	US56D	SCHLAGE	1	LOCKSET	AL50PD SATURN	US56D	SCHLAGE
3	DOOR SILENCERS	SR6-4		IVE9	3	DOOR SILENCERS	SR6-4		IVE9	3	DOOR SILENCERS	SR6-4		IVE9
					1	CLOSER	D60 Parallel		LCN					
HARDWARE SET NO. 7					HARDWARE SET NO. 8					HARDWARE SET NO. 9				
6	HINGES	59B1	US36D	IVE9	3	HINGES	59B1	US33D	IVE9	3	HINGES	59B1	US33D	IVE9
1	LOCKSET	AL40S SATURN	US56D	SCHLAGE	1	LOCKSET	AL50PD SATURN	US56D	SCHLAGE	1	LOCKSET	AL50PD SATURN	US56D	SCHLAGE
3	DOOR SILENCERS	SR6-4		IVE9	3	DOOR SILENCERS	SR6-4		IVE9	3	DOOR SILENCERS	SR6-4		IVE9
1	FLUSH BOLT	FB62		IVE9										
1	COORDINATOR			IVE9										
2	CLOSER	D60 Parallel		LCN										



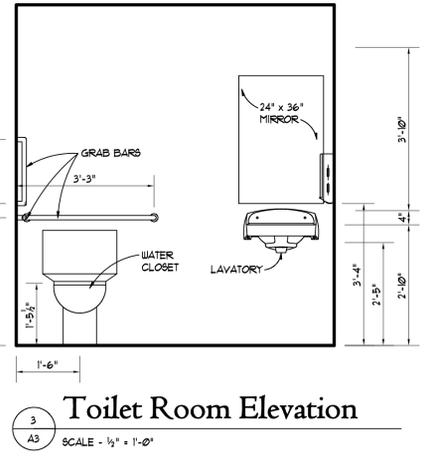
Door Detail
 SCALE - 1/4" = 1'-0"



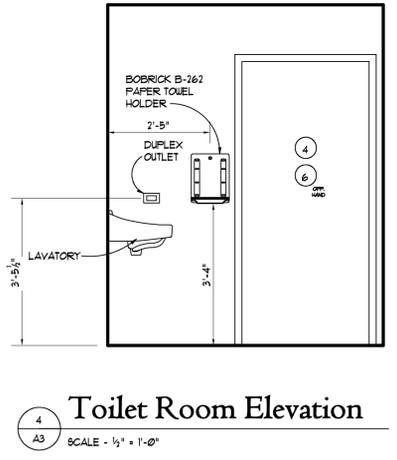
Kitchenette Elevation
 SCALE - 1/2" = 1'-0"



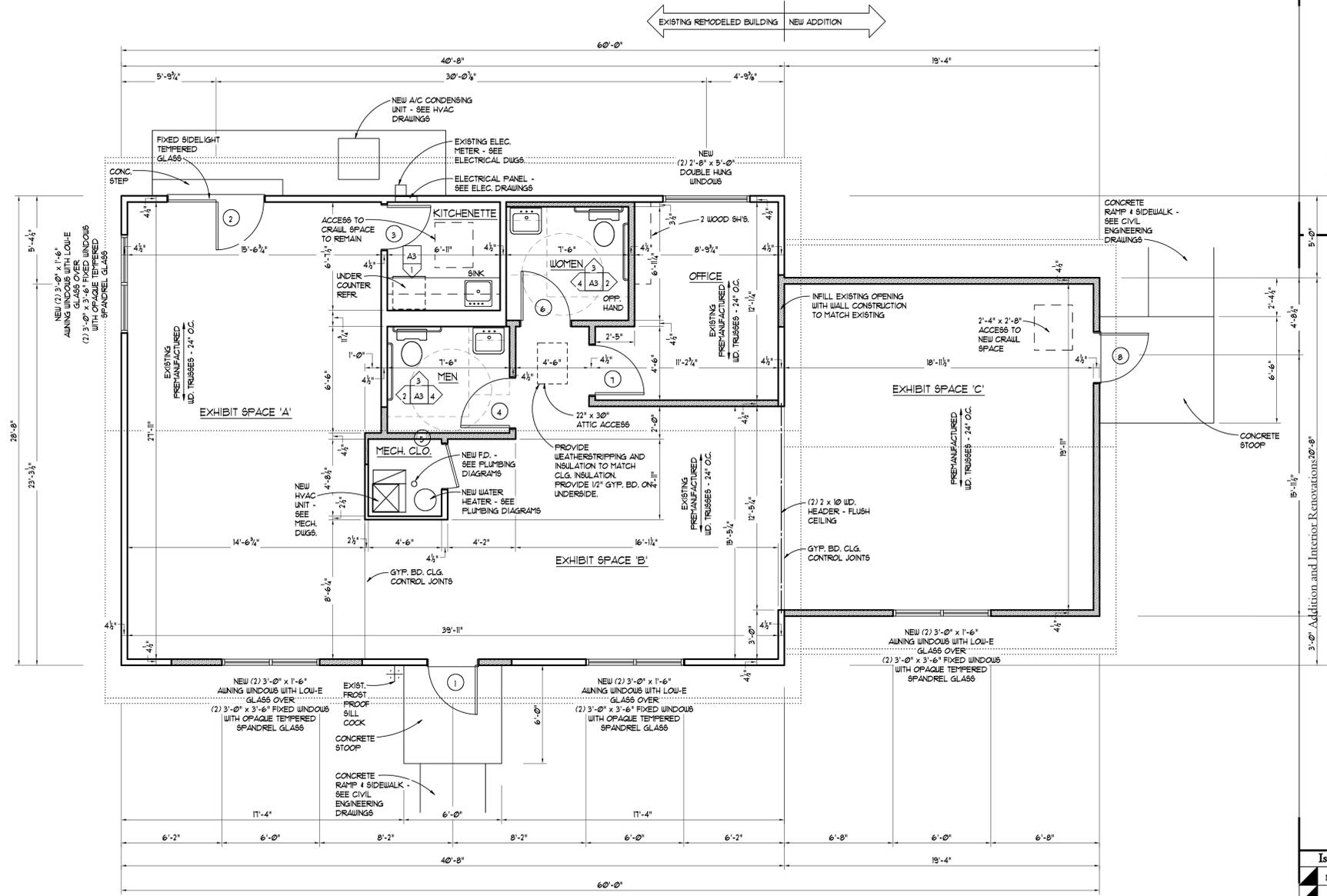
Toilet Room Elevation
 SCALE - 1/2" = 1'-0"



Toilet Room Elevation
 SCALE - 1/2" = 1'-0"



Toilet Room Elevation
 SCALE - 1/2" = 1'-0"



Floor Plan
 SCALE - 1/4" = 1'-0"
 NORTH

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Floor Plan, Door Types and Details, Hardware Schedule, Interior Elevations

Drawn by: MUR
 Checked by: MUR

Job no: 1605.02
 Sheet: **A3**



GENERAL SPECIFICATIONS

- I. DESIGN SPECIFICATIONS - BUILDING DATA
- A. APPLICABLE CODES
 1. 2014 STATE OF ILLINOIS PLUMBING CODE
 2. 2009 INTERNATIONAL BUILDING CODE
 3. 2015 INTERNATIONAL ENERGY CONSERVATION CODE
 4. 2009 INTERNATIONAL FIRE CODE
 5. 2009 INTERNATIONAL GAS CODE
 6. 2009 INTERNATIONAL MECHANICAL CODE
 7. 2011 NATIONAL ELECTRICAL CODE
 8. 1991 ILLINOIS ACCESSIBILITY CODE

- B. DESIGN SPECIFICATIONS PER 2009 INTL. BUILDING CODE
 1. FLOOR LIVE LOAD - 100 PSF
 2. ROOF SNOW LOAD - 30 PSF
 3. ROOF LIVE LOAD - 1/2 PSF
 4. ATTICS (LIMITED ATTIC STORAGE) - 20 PSF LIVE LOAD
 5. ATTICS (NO STORAGE) - 10 PSF LIVE LOAD
 6. SEISMIC ZONE - B
 7. WEATHERING AREA - SEVERE
 8. TERMITES AREA - MODERATE TO HEAVY
 9. DECAY AREA - SLIGHT TO MODERATE
 10. WINTER DESIGN TEMPERATURE - 1 F.
- II. HORIZONTAL WIND LOAD (50 MPH, 3 SEC GUST) - 15 PSF TO 30'-0" IN ELEVATION, 20 PSF ABOVE 30'-0" IN ELEVATION.

- III. GENERAL
 - A. MARK J. RUPPIS, ARCHITECT RESERVES COPYRIGHT AND OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.
 - B. GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON JOBSITE PRIOR TO STARTING WORK AND SHALL BE RESPONSIBLE FOR SAME.
 - C. ALL WORK TO COMPLY WITH THE BUILDING CODES AND ORDINANCES OF ROMEOVILLE, ILLINOIS. CONTRACTOR SHALL OBTAIN COPY OF ORDINANCES PRIOR TO STARTING WORK.
 - D. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL METHODS AND MEANS OF CONSTRUCTION.
 - E. GENERAL CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S STANDARDS AND RECOMMENDATIONS.
 - F. DISCREPANCIES IN PLANS, DIMENSIONS OR NOTES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
 - G. UNLESS SPECIFICALLY INCLUDED IN THIS SET OF DRAWINGS, PLUMBING, HVAC AND ELECTRICAL WORK IS TO BE DONE ON A DESIGN-BUILD BASIS BY EACH RESPECTIVE SUB-CONTRACTOR. EACH MECHANICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THEIR RESPECTIVE TRADE WITH THE WORK OF OTHERS. THE WORK OF EACH TRADE SHALL BE DESIGNED AND INSTALLED SO AS TO PROVIDE CLEARANCE FOR OTHER TRADES.
 - H. DO NOT SCALE DRAWINGS. PLUMBING AND ELECTRICAL LAYOUTS ARE SCHEMATIC ONLY. EACH CONTRACTOR SHALL LOCATE THEIR WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
 - I. THE 'GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION', AIA DOCUMENT A201, 1991 EDITION, IS A PART OF THESE CONTRACT DOCUMENTS AND IS INCORPORATED HEREIN AS FULLY AS IF HEREBY SET FORTH. COPIES MAY BE OBTAINED AT THE OFFICE OF THE ARCHITECT FOR THE COST OF REPRODUCTION.
 - J. THE ARCHITECT HAS NOT BEEN RETAINED FOR FIELD OBSERVATION AND IS NOT RESPONSIBLE FOR DEVIATION IN SPECIFIED MATERIALS AND DESIGN WITHOUT PRIOR WRITTEN AUTHORIZATION.

- IV. SITEWORK & DEMOLITION
 - A. ALL FOOTINGS SHALL BEAR ON UNDISTURBED INORGANIC SOIL.
 - B. SOIL DESIGN PRESSURE - 3000 PSF.
 - C. SOILS SHALL BE TESTED PRIOR TO PLACING FOOTINGS FOR COMPLIANCE WITH DESIGN BEARING PRESSURE. TESTS TO BE PERFORMED BY A CERTIFIED SOILS ENGINEER.
 - D. FILL UNDER SLABS SHALL BE OF GRANULAR MATERIAL. ORGANIC MATERIAL IS NOT ALLOWED. FILL SHALL BE PLACED IN MAXIMUM 8" LIFTS AND LIFTS COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557 MODIFIED PROCTOR.
 - E. MAINTAIN SYMMETRICAL BACKFILL LOADING AND COMPACT EACH LAYER WITH MECHANICAL TAMPERS OR OTHER APPROVED EQUIPMENT. IN PLACING BACKFILL, TAKE SPECIAL CARE TO PREVENT ANY WEDGE ACTION, ECCENTRIC LOADING OR OVERLOADING OF THE STRUCTURE BY EQUIPMENT USED IN COMPACTING THE BACKFILL MATERIAL, AND TO PREVENT DAMAGING THE WALLS. MAXIMUM UNBALANCED FILL FOR 8" CONCRETE WALLS IS 1'-0" IN HEIGHT, 8'-0" IN HEIGHT FOR 10" CONC. WALLS.
 - F. CONTRACTOR SHALL PROVIDE ALL REQUIRED PROTECTION NECESSARY TO PROTECT THE STRUCTURE AND CONTENTS FROM THE ELEMENTS DURING ALL PHASES OF CONSTRUCTION. ALL PROTECTION SHALL BE TIGHTLY SECURED AT THE END OF EACH DAY'S WORK.
 - G. FINISHED GRADE IS TO BE 6" BELOW TOP OF CONCRETE.

- IV. CONCRETE
 - A. CONCRETE DESIGN VALUE FOR FOUNDATION WALLS: 3000 PSI AT 28 DAYS, WITH 5% - 7% AIR ENTRAINMENT.
 - B. CONCRETE DESIGN VALUE FOR INTERIOR SLABS ON GRADE, EXCEPT GARAGE FLOOR SLABS: 2500 PSI AT 28 DAYS, WITH 5% - 7% AIR ENTRAINMENT.
 - C. CONCRETE DESIGN VALUE FOR PORCHES, EXTERIOR STEPS AND GARAGE FLOOR SLABS: 3500 PSI AT 28 DAYS, WITH 5% - 7% AIR ENTRAINMENT. THE MAXIMUM WEIGHT OF FLY ASH, OTHER POZZOLANS, SILICA FUME, OR SLAG THAT IS INCLUDED IN CONCRETE MIXTURES FOR THESE AREAS SHALL NOT EXCEED THE PERCENTAGES OF THE TOTAL WEIGHT OF CEMENTITIOUS MATERIALS.
 - D. MAXIMUM SLURRY: 4"
 - E. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615-76A, GRADE 60, SIZES AND SPACING AS INDICATED.
 - F. FORMWORK SHALL COMPLY WITH RECOMMENDED PRACTICE FOR CONCRETE FORMWORK, ACI 311-19.
 - G. FOUNDATION WALLS TO BE PLACED CONTINUOUSLY UNLESS NOTED OTHERWISE AND WITH WRITTEN PERMISSION FROM THE ARCHITECT.
 - H. ALL CONCRETE WORK SHALL CONFORM TO 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE', ACI 318 EXCEPT WHERE LOCAL BUILDING CODES EXCEED THESE REQUIREMENTS.
 - I. MINIMUM FOOTING DEPTH - 42" BELOW FINISHED GRADE.
 - J. ANCHOR BOLTS FOR SILL PLATES TO BE SET IN FORMWORK. ANCHOR BOLTS TO BE 1/2" DIA., 4'-0" O.C., MINIMUM 12" FROM ANY CORNER. MINIMUM EMBEDMENT SHALL BE 12".
 - K. ALL WALL TIES SHALL BE BROKEN OFF AND FILLED WITH MASTIC PRIOR TO DAMPROOFING.
 - L. PROVIDE LEATHERS WHERE REQUIRED TO MAINTAIN PROPER CURING TEMPERATURE.
 - M. CONCRETE TO ACHIEVE A MINIMUM STRENGTH OF 2400 PSI PRIOR TO REMOVAL OF FORMS.

- V. METAL FABRICATIONS
 - A. ALL STRUCTURAL STEEL BEAMS (U-SHAPES) TO CONFORM TO ASTM A992 (50 KSI).
 - B. ALL STRUCTURAL STEEL PLATES, ANGLES, CHANNELS, AND BARS SHALL CONFORM TO ASTM 36 (36 KSI).
 - C. ALL STEEL MEMBERS TO HAVE A SHOP COAT OF RUST-INHIBITIVE PAINT (INSIDE AND OUT).
 - D. STEEL FLITCH PLATES (WHERE SHOWN) SHALL BE SHOP DRILLED FOR BOLTING.

- VI. WOOD CONSTRUCTION
 - A. ALL LUMBER TO BE KILN DRIED, MAXIMUM 19% MOISTURE CONTENT WITH THE FOLLOWING MINIMUM STRENGTH CHARACTERISTICS: F_b + 850 PSI, F_c + 1250 PSI, F_v + 75 PSI, E + 1300/2000 (HEM-FIR) OR BETTER FOR REPEITITIVE MEMBERS, HEM-FIR OR BETTER FOR HEADERS AND BEAMS. STUDS TO BE 20-FIR OR GRADE OR BETTER. F_b + 575 PSI, E + 1200/2000.
 - B. ALL ENGINEERED LUMBER SHALL BE LOUISIANA-PACIFIC OR EQUAL. 1-JOIST SERIES SHALL BE AS SPECIFIED ON THE DRAWINGS. LVL MEMBERS SHALL BE LOUISIANA PACIFIC GANG LAM LVL WITH A MINIMUM F_b 2550 PSI UNLESS NOTED OTHERWISE.
 - C. ALL DOOR AND WINDOW HEADERS SHALL BE (2) 2x12 HEM-FIR NO. 2 OR BETTER.
 - D. ALL WOOD MEMBERS OR SIDING IN CONTACT WITH GRADE, CONCRETE FOUNDATIONS OR SLABS SHALL BE PRESURE TREATED WITH PRESERVATIVES.
 - E. PROVIDE ROUS OF 1 X 3 CROSS BRIDGING FOR ALL FLOOR JOISTS. ROUS TO BE 10'-0" O.C. MAXIMUM, MINIMUM 1 ROW EACH SPAN.
 - F. CORNER POSTS SHALL BE MINIMUM (3) 2 X 4 STUDS.
 - G. ALL WOOD JOISTS AND RAFTERS TO HAVE MINIMUM 1/2" BEARING ON WOOD OR STEEL. LAPPED JOISTS SHALL HAVE MINIMUM 3" LAP.
 - H. ALL CUTTING, DRILLING AND NOTCHING OF JOISTS SHALL CONFORM TO IRC SECTION 502.8.
 - I. NAILING OF FRAMING SHALL CONFORM TO IRC TABLE 6-02.3(1).
 - J. DOUBLE FLOOR JOISTS UNDER PARTITIONS PARALLEL TO JOISTS, AT STAIRWELLS AND UNDER WIND/POOL TUBS.
 - K. DOUBLE FRAMING MEMBERS (MINIMUM UNLESS NOTED OTHERWISE) AROUND OPENINGS IN ROOF, CEILING AND FLOORS.
 - L. SILL PLATES TO BE MINIMUM 2x4 TREATED MATERIALS.
 - M. PROVIDE METAL JOIST HANGERS AT ALL STAIR OPENINGS AND FLUSH FRAMING MEMBERS.
 - N. FLYWOOD FLOOR SHEATHING SHALL CONFORM TO DOC P8 1, DOC P8 2 AND HPMA HP. ALL SHEATHING SHALL HAVE A GRADE MARK FROM AN APPROVED AGENCY. ALL ROOF SHEATHING SHALL BE EXTERIOR GRADE. SHEATHING AND INSTALLATION SHALL CONFORM TO APA E30.
 - O. OSB SHEATHING SHALL CONFORM TO DOC P8 2.
 - P. FLYWOOD ROOF SHEATHING SHALL CONFORM TO DOC P8 1 AND DOC P8 2 HPMA HP. ALL SHEATHING SHALL HAVE A GRADE MARK FROM AN APPROVED AGENCY. ALL ROOF SHEATHING SHALL BE EXTERIOR GRADE. SHEATHING AND INSTALLATION SHALL CONFORM TO APA E30.
 - Q. GUARD RAILS PROTECTING OPENINGS OR CHANGES IN ADJACENT ELEVATIONS OF GREATER THAN 30" SHALL HAVE GUARDRAILS NO LESS THAN 42" IN HEIGHT. BALLUSTERS OF HANDRAILS SHALL BE SPACED SO THAT PASSAGE OF A 4" SPHERE WILL NOT OCCUR.
 - R. FIRESTOPPING SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:
 1. AT FLOOR AND CEILING LEVELS IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES.
 2. AT INTERSECTIONS OF VERTICAL AND HORIZONTAL SPACES, SUCH AS SOFFITS, DROP CEILING, COVE CEILING, ETC.
 3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
 4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVEL, WITH NONCOMBUSTIBLE MATERIALS.
 5. FIRESTOPPING TO BE SOLID 2x MATERIAL OR ULL APPROVED FIRESTOPPING MATERIAL.

- VII. THERMAL AND MOISTURE PROTECTION
 - A. PROVIDE FLASHING AT HEAD, JAMBES AND SILL OF ALL EXTERIOR WALL PENETRATIONS.
 - B. PROVIDE FLASHING AT JUNCTION OF ALL VERTICAL WALLS AND ROOF PLANES. PROVIDE COUNTERFLASHING AT BRICK LOCATIONS.
 - C. CAULK ALL EXTERIOR JOINTS AS REQUIRED FOR A WEATHER-TIGHT CONDITION.
 - D. FIBERGLASS BATT OR LOOSE FILL INSULATION SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND SMOKE DEVELOPED OF 450.
 - E. ALL INSULATION TO HAVE A VAPOR BARRIER WITH A MAXIMUM PERM RATING OF 10.
 - F. THE THICKNESS OF BLOWN-IN OR SPRAYED ROOF-CEILING INSULATION (FIBERGLASS OR CELLULOSE) SHALL BE WRITTEN IN INCHES ON MARKERS THAT ARE INSTALLED AT LEAST ONE FOR EVERY 300 SQUARE FEET THROUGHOUT THE ATTIC SPACE.
 - G. ALL EXPOSED INSULATION MATERIALS INSTALLED ON ATTIC FLOORS SHALL HAVE A R-C RATED AND LABELLED AS HAVING AN R2 WATT PER SQUARE CENTIMETER.
 - H. ALL FOAM PLASTIC INSULATION SHALL CONFORM TO SECTION R316 OF 2012 IRC.
 - I. ROOFING FELT SHALL BE LAPPED 4" AT ENDS AND 2" AT TOP FOR EACH COURSE.
 - J. ASPHALT SHINGLES SHALL BE SECURED TO ROOF DECK PER IRC SECTION R905.23.
 - K. ASPHALT SHINGLES TO BE OWENS CORNING TRI-DEFINITION DURATION SHINGLES OR APPROVED EQUAL. COLOR TO BE SELECTED BY OWNER.
 - L. RIDGE VENTS TO BE COR-A-VENT V-3000 OR APPROVED EQUAL.
 - M. SOFFIT VENTS TO BE COR-A-VENT P8-4000 OR APPROVED EQUAL.
 - N. VALLEY FLASHING TO BE A MINIMUM OF 28 GAUGE CORROSION RESISTANT SHEET METAL EXTENDING A MINIMUM OF 10" EACH WAY FROM THE VALLEY. IN THE CASE OF ASPHALT SHINGLES, LACED COMPOSITE SHINGLES MAY BE USED WITH 30" FELT EXTENDING A MINIMUM OF 10" EACH WAY FROM THE VALLEY IN LIEU OF THE SHEET METAL FLASHING.
 - O. VINYL SIDING TO BE GEORGIA PACIFIC VISION PRO 8 INCH DOUBLE 4 SIDING OR APPROVED EQUAL. COLOR TO BE SELECTED BY OWNER.

- VIII. DOORS, WINDOWS, HARDWARE
 - A. WINDOW MANUFACTURER TO BE BASED ON WELD-WEN BUILDERS VINYL V-3500 WITH SIZES AND OPERATION AS SHOWN ON PLANS. COLOR TO BE SELECTED BY OWNER.
 - B. CONTRACTOR TO HAVE WINDOW INSTALLATION INSTRUCTIONS ON SITE FOR BUILDING INSPECTOR'S USE.
 - C. GLAZING IN ALL HABITABLE AREAS SHALL BE DOUBLE GLAZED OR OF THE INSULATING TYPE WITH LOW-E.
 - D. SPANDREL GLASS COLOR TO BE SELECTED BY OWNER.
 - E. ALL WOOD WINDOWS SHALL COMPLY WITH ANSIN/NUIDA IS. 2.
 - F. ALL WOOD SLIDING GLASS DOORS SHALL COMPLY WITH ANSIN/NUIDA IS. 3.
 - G. MAXIMUM AIR INFILTRATION FOR WOOD SLIDING GLASS DOORS AND WINDOWS SHALL NOT EXCEED 0.50 CU. FT. PER MINUTE PER LINEAL FOOT OF CRACK IN ACCORDANCE WITH ASTM E283 WHEN TESTED AT A PRESSURE DIFFERENTIAL OF 156 PSF.
 - H. TEMPERED SAFETY GLASS SHALL BE USED IN ALL PANELS OF ENTRY/EXIT DOORS, STORM DOORS, UNFRAMED SLIDING DOORS AND ALL SIDE LIGHTS, FRENCH DOORS, SHOWER AND TUB ENCLOSURES, WINDOWS WITH THE BOTTOM EDGE OF THE GLAZING LESS THAN 18" AFF. AND GREATER THAN 9 SQ. FT. IN AREA SHALL BE GLAZED WITH TEMPERED GLASS. GLASS IN THESE LOCATIONS SHALL PASS THE TEST REQUIREMENTS OF CPSC 16-CF PART 1201.
 - I. ALL SAFETY GLAZING SHALL BEAR THE MANUFACTURER'S LABEL DESIGNATING THE TYPE AND THICKNESS OF THE GLASS.
 - J. ALL HARDWARE SHALL BE AS SHOWN ON THE HARDWARE SCHEDULE.

- IX. FINISHES
 - A. ALL GYPSUM BOARD SHALL CONFORM TO ASTM C36, C475, C514, C517 AND C1047.
 - B. GYPSUM BOARD ADHESIVE SHALL CONFORM TO ASTM C951.
 - C. ACCESSIBLE AREAS UNDER STAIRS SHALL HAVE WALLS AND SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2" GYPSUM BOARD.
 - D. GYPSUM BOARD SHALL BE ATTACHED TO WOOD FRAMING WITH SCREWS PER IRC TABLE R102.3.5.
 - E. WATER RESISTANT GYPSUM BOARD SHALL BE USED IN ALL BATH ROOMS AND POWDER ROOMS. CEMENT BOARD (DURLOCK OR EQUAL) SHALL BE USED AS A BACKER BOARD FOR ALL CERAMIC TILE INSTALLATION AND IN ALL SHOWER/TUB LOCATIONS. WATER RESISTANT GYPSUM BOARD SHALL CONFORM WITH ASTM C630. EDGES OF ALL GYPSUM BOARD SHALL BE SEALED AS RECOMMENDED BY THE MANUFACTURER.
 - F. ALL WALL AND CEILING FINISHES TO HAVE A MAXIMUM FLAME SPREAD RATING OF 200 AND MAXIMUM SMOKE DEVELOPED OF 450.
 - G. ALL FLOORING MATERIALS TO BE SELECTED BY OWNER.
 - H. ALL PAINT AND COLORS TO BE SELECTED BY OWNER.

- X. PLUMBING
 - A. ALL INSIDE WATER PIPING SHALL BE TYPE 'L' COPPER.
 - B. ALL UNDERGROUND WATER PIPING SHALL BE TYPE 'K' COPPER.
 - C. ALL WATER LINES TO BE INSULATED.
 - D. PROVIDE 2'-0" AIR CHAMBERS ON ALL RISERS.
 - E. PROVIDE 1'-0" AIR CHAMBERS ON ALL FIXTURES.
 - F. PROVIDE SHUT OFF VALVES ON ALL FIXTURES AND RISERS.
 - G. ALL MATERIALS SHALL CONFORM TO THE STANDARDS SET FORTH IN THE ILLINOIS STATE PLUMBING CODE, APPENDIX A, TABLE A.
 - H. SEE PLUMBING PLANS FOR FIXTURE SCHEDULE.

- XI. MECHANICAL
 - A. ALL MECHANICAL EQUIPMENT SHALL HAVE THE MANUFACTURER'S SPECIFICATIONS AND INSTALLATION GUIDE ATTACHED TO THE UNIT AT THE TIME OF INSPECTION.
 - B. THE ENTIRE SYSTEM INCLUDING ALL EQUIPMENT AND APPLIANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - C. IF ANY FLEXIBLE AIR DUCTS ARE USED FOR RETURN AIR OR MAKE UP AIR THEY SHALL HAVE PLASTIC TIES OR METAL TIES AT EACH END ON THE OUTSIDE TO PREVENT INSULATION ROLL BACK.
 - D. THE MECHANICAL SYSTEM SHALL BE COMPLETE WITH ALL NECESSARY APPURTENANCES FOR A COMPLETE SYSTEM.
 - E. ALL DUCTWORK TO BE SUPPORTED BY 1/2" WIDE X 1/8 GAUGE GALVANIZED METAL STRAPS, SPACED NO GREATER THAN 10'-0" O.C.
 - F. ALL BRANCH SUPPLY DUCTS SHALL HAVE MANUAL VOLUME DAMPERS INSTALLED FOR BALANCING.
 - G. ALL RETURN AIR DUCTS MUST BE SECURED IN THE VERTICAL WITH METAL STRAPS.
 - H. NO SCREWS MAY BE USED DURING THE INSTALLATION OF TYPE B AND TYPE B-W GAS VENTS.
 - I. ALL WORK MAY NOT BE TAKEN FROM ATTIC SPACE. STATIC PRESSURE DAMPERS ARE ALLOWED TO PROVIDE RETURN AIR.
 - J. EACH SUPPLY REGISTER COVER WILL HAVE DAMPER CONTROLS.
 - K. MAIN DAMPER CONTROLS ON MAIN DUCT RUNS WILL BE MARKED IN THE FULL OPEN OR FULL CLOSED POSITION AND ALL DAMPER CONTROLS MUST BE ACCESSIBLE.
 - L. OUTDOOR AIR INTAKES AND EXHAUSTS SHALL HAVE AUTOMATIC OR GRAVITY DAMPERS THAT CLOSE WHEN THE VENTILATION SYSTEM IS NOT OPERATING.
 - M. SEAL ALL DUCTS, AIR HANDLERS AND FILTER BOXES. AIR HANDLERS SHALL HAVE AN AIR LEAKAGE OF NO MORE THAN 2% OF THE DESIGN AIR FLOW RATE WHEN TESTED IN ACCORDANCE WITH ASHRAE 153.
 - N. DUCT TIGHTNESS. IF DUCTS ARE OUTSIDE THE THERMAL ENVELOPE THE DUCTS MUST BE DUCT BLASTED TO CHECK FOR TOTAL LEAKAGE OF LESS THAN OR EQUAL TO 4 CFM PER 100 SQUARE FEET OF CONDITIONED FLOOR AREA WHEN TESTED (25 PASCALES) ACROSS THE ENTIRE SYSTEM.
 - O. BUILDING FRAMING CAVITIES SHALL NOT BE USED AS DUCTS OR FLENUMS.

- XII. ELECTRICAL
 - A. ALL ELECTRICAL EQUIPMENT, DEVICES AND FIXTURES TO BEAR THE ULL LABEL.
 - B. ALL LIGHT FIXTURES TO BE SELECTED BY OWNER.
 - C. ALL WIRING IS TO BE MINIMUM 12 GAUGE AWG.
 - D. RECESSED LIGHTING INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINAIRES SHALL BE IC-RATED AND LABELLED AS HAVING AN AIR LEAKAGE RATE NO MORE THAN 2 CFM. ALL RECESSED LUMINAIRES SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING.

- XIII. ENERGY EFFICIENCY
 - A. A PERMANENT CERTIFICATE SHALL BE COMPLETED AND POSTED ON OR IN THE ELECTRICAL DISTRIBUTION PANEL BY THE BUILDER OR ARCHITECT. THE CERTIFICATE SHALL LIST THE PREDOMINANT R-VALUES OF INSULATION INSTALLED IN OR ON CEILING/ROOF, WALLS, FOUNDATION (SLAB, BASEMENT WALL, CRAWL SPACE WALL AND/OR FLOOR) AND DUCTS OUTSIDE THE CONDITIONED SPACES; U-FACTORS OR PENETRATION AND SOLAR HEAT GAIN COEFFICIENT OF PENETRATIONS, AND THE RESULTS FROM ANY REQUIRED DUCT SYSTEM AND BUILDING ENVELOPE AIR LEAKAGE TESTING DONE ON THE BUILDING. WHERE THERE IS MORE THAN ONE VALUE FOR EACH COMPONENT, THE CERTIFICATE SHALL LIST THE VALUE COVERING THE LARGEST AREA. THE CERTIFICATE SHALL LIST THE TYPES AND EFFICIENCIES OF HEATING, COOLING AND SERVICE WATER HEATING EQUIPMENT. WHERE A GAS FIRED INVENTED ROOM HEATER, ELECTRIC FURNACE OR BASEBOARD ELECTRIC HEATER IS INSTALLED IN THE RESIDENCE, THE CERTIFICATE SHALL LIST GAS-FIRED INVENTED ROOM HEATER, ELECTRIC FURNACE OR BASEBOARD ELECTRIC HEATER, AS APPROPRIATE. AN EFFICIENCY SHALL NOT BE LISTED FOR GAS-FIRED INVENTED ROOM HEATERS, ELECTRIC FURNACES OR ELECTRIC BASEBOARD HEATERS.
 - B. ACCESS DOORS AND HUTCHES SHALL BE WEATHER STRIPPED AND INSULATED EQUIVALENT TO THE SURROUNDING SURFACES (MUST HAVE DRYWALL ON THE UNDERSIDE).
 - C. MECHANICAL PIPING MUST BE INSULATED WITH R-3 IF CARRYING FLUIDS ABOVE 105 DEGREES OR BELOW 55 DEGREES.
 - D. CIRCULATING HOT WATER SYSTEMS MUST BE INSULATED WITH R-2 WITH READILY ACCESSIBLE SHUT OFF SWITCH.
 - E. INSULATE ALL WATER PIPES WITH R-3 INSULATION.

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 14 Belmont Drive
 Romeoville, Illinois 60446

Issued for:	Date
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FRICING	10-18-16
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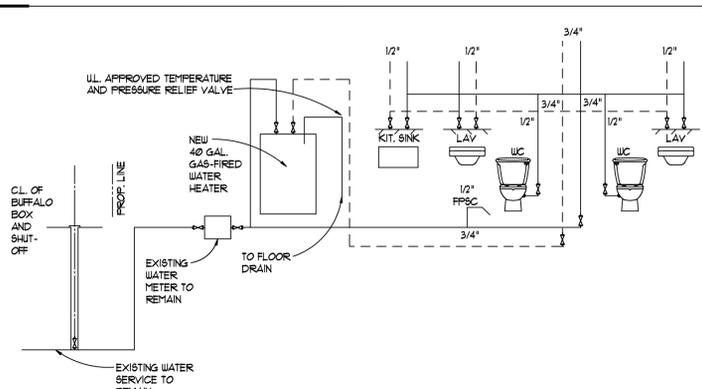


General Notes
 and
 Specifications

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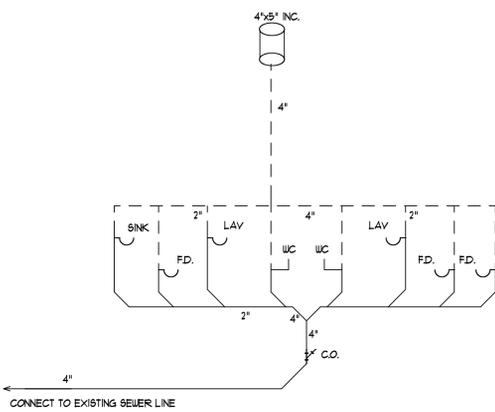
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Hot and Cold Water Diagram

NO SCALE
 NOTE -
 ALL RISERS TO HAVE 2'-0" AIR CHAMBERS
 ALL FIXTURES TO HAVE 1'-0" AIR CHAMBERS
 SHUT-OFFS ON ALL RISERS AND BRANCHES



Waste Diagram

NO SCALE

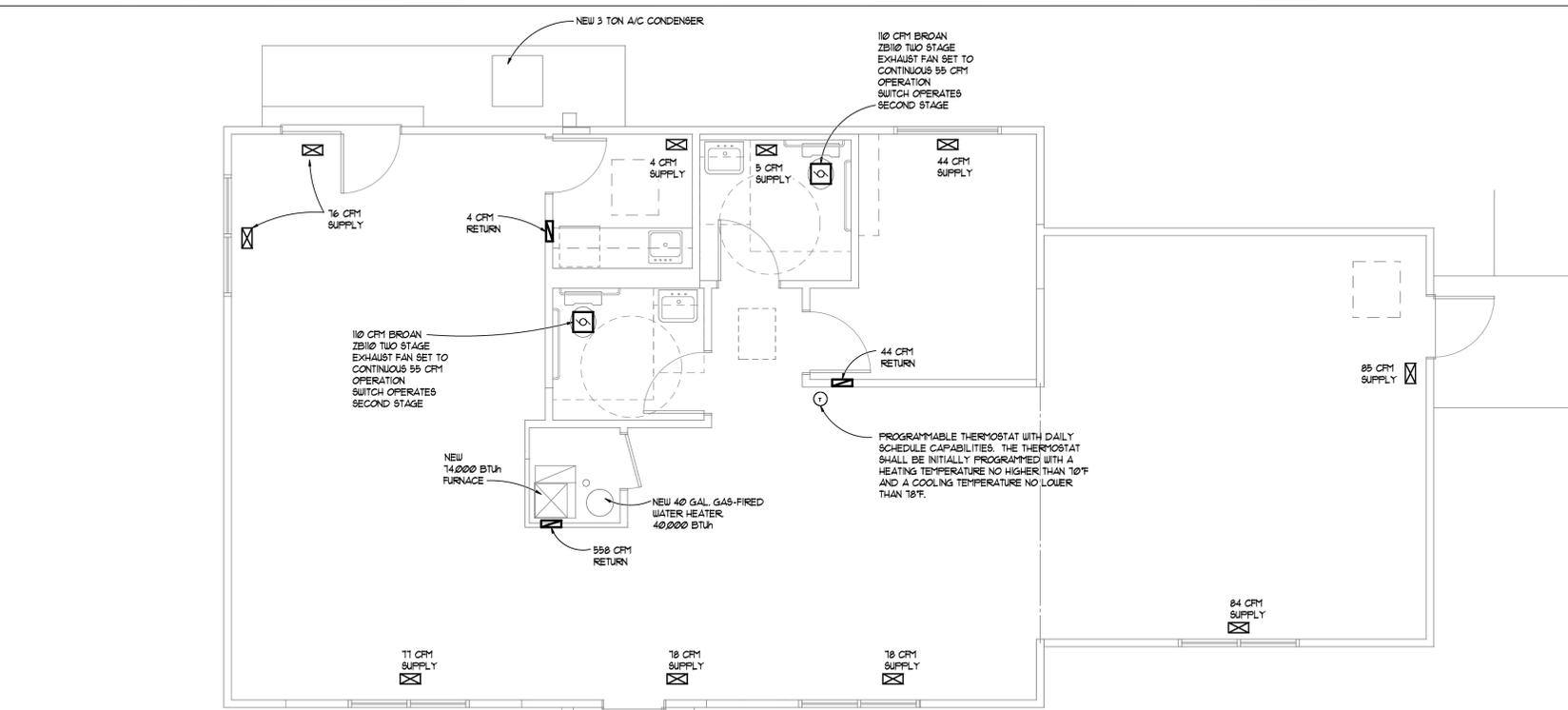
Plumbing Fixtures

WATER CLOSET:
 MANSFIELD MODEL 187-125
 FLOOR MOUNT, ELONGATED BOWL, 1/6 GPF
 SEAT: BEM18 1/255CT
 ELONGATED OPEN FRONT SEAT
 ADA COMPLIANT WHEN MOUNTED TOP OF SEAT AT 17" - 19" AFF.

LAVATORY:
 MANSFIELD MODEL 315, 4" FAUCET CENTERS
 FAUCET: KOHLER MODEL K-1305-5A
 5/4" GOOSENECK, WRISTBLADE HANDLES
 POINT OF USE MIXING VALVE LOCATED AT EACH LAVATORY;
 WATTS REGULATOR COMPANY MODEL #1111
 1/2" INLETS AND 1/2" OUTLET
 SET AT 120 DEGREES F. AT TIME OF INSTALLATION

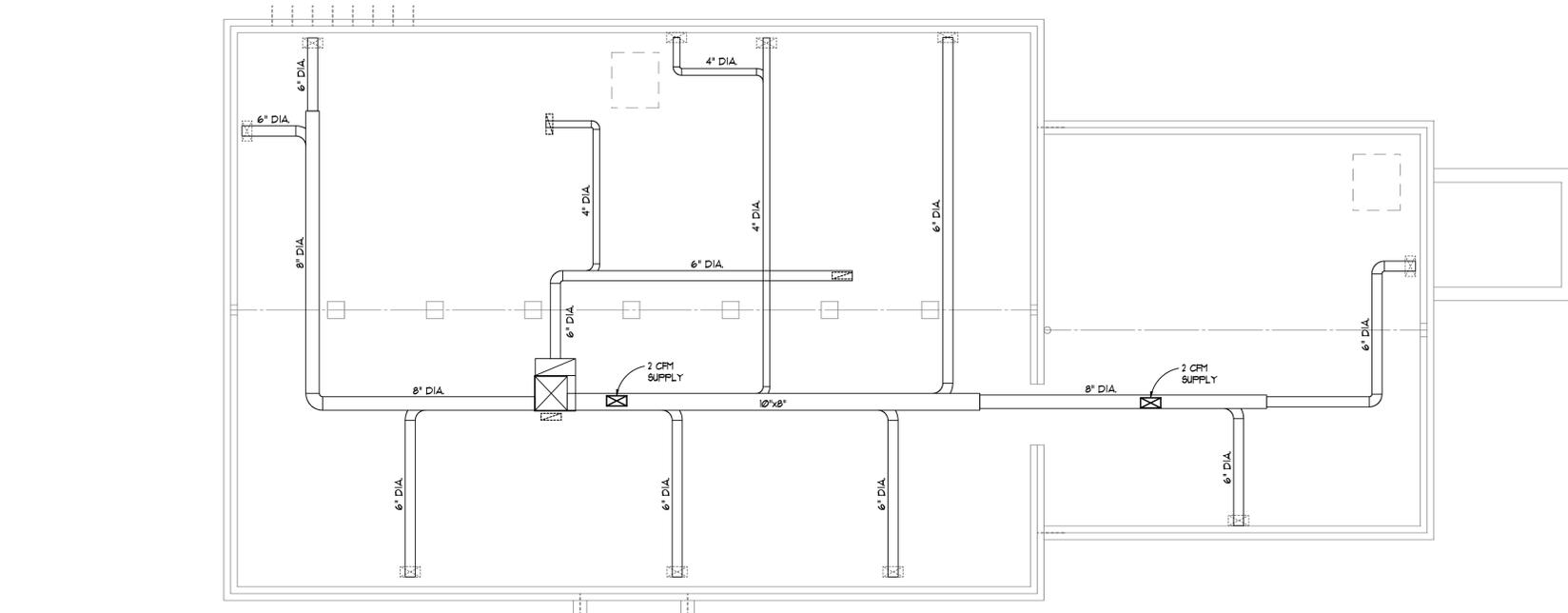
SINK:
 ELKAY MODEL BC815 SINGLE BOWL SINK, 6 1/2" DEEP
 FAUCET: KOHLER MODEL K1821-K
 CHROME FINISH, BRASS CONSTRUCTION, MATCHING SIDE SPRAYER
 KOHLER MODEL 1600-5 WRISTBLADE LEVER HANDLES
 ADA COMPLIANT

FLOOR DRAIN
 SIXUX CHIEF MODEL 834-3PFR
 NICKEL BRONZE COVER, PVC BASE ADAPTER
 CLEAN AND POLISH ROUND COVER AFTER INSTALLATION



Main Floor HVAC Plan

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



Crawl Space HVAC Plan

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

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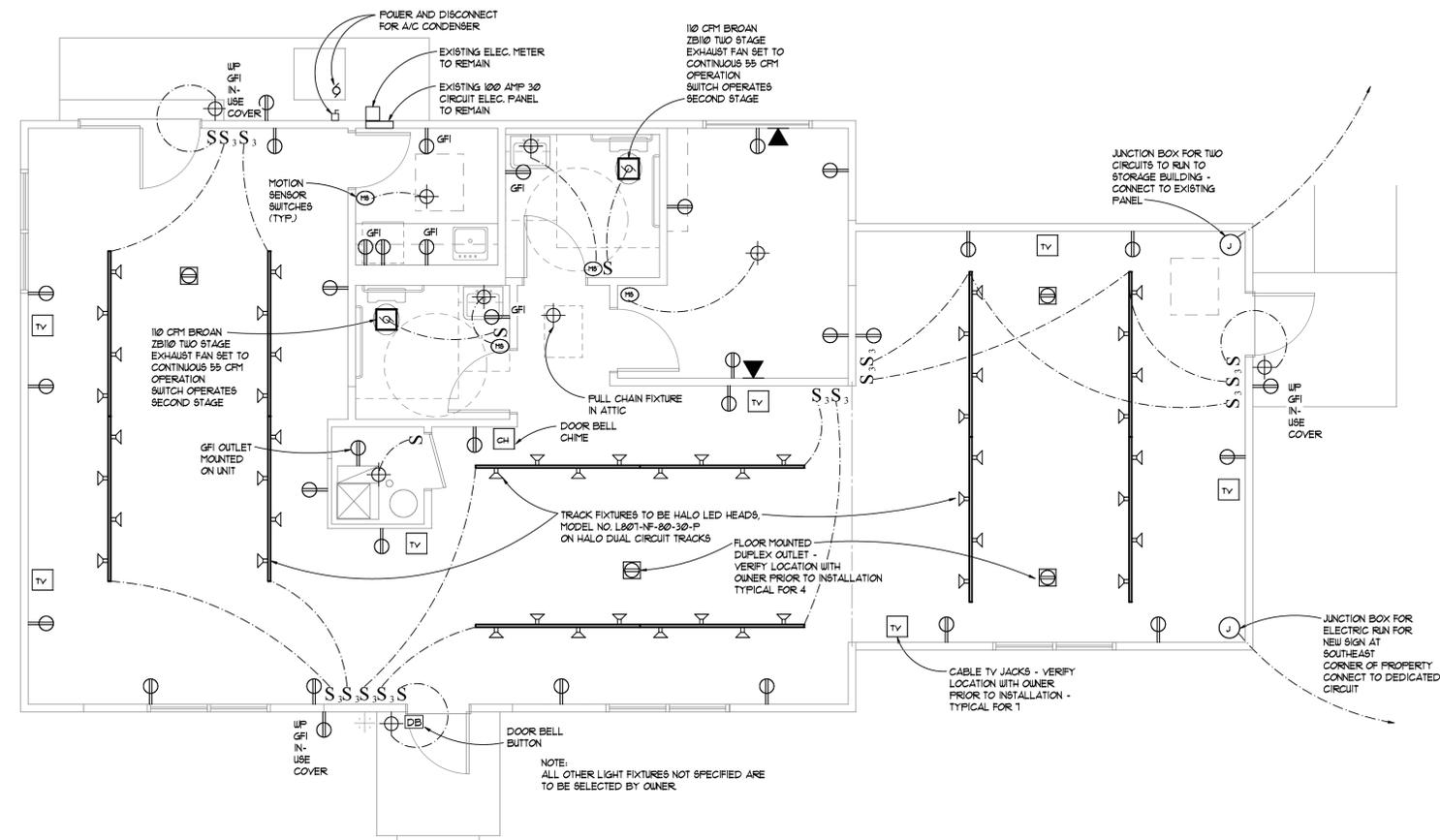
Plumbing Diagrams and Fixture Schedule, HVAC Plans

Drawn by: MUR
 Checked by: MUR

Job no: 1605.02

Sheet: **PMI**





Main Floor Electrical Plan
 SCALE - 1/4" = 1'-0"
 NORTH
 0 1 2 4 8 FT.

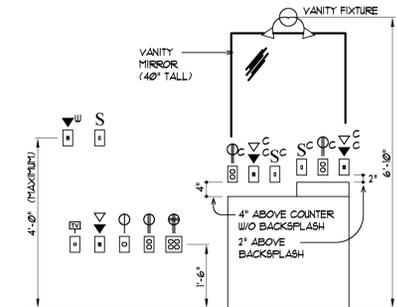
Electrical Notes

1. ALL ELECTRICAL WORK TO COMPLY WITH N.E.C. AND APPLICABLE AND STATE CODES.
2. SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS TO BE HARD-WIRED.
3. ALL BATHROOM, KITCHEN, EXTERIOR AND BASEMENT OUTLETS TO BE WIRED IN SAME CIRCUITS AS GFCI OUTLET.
4. GFI'S AT VANITIES OR PEDESTAL SINKS TO BE LOCATED ON SIDE WALL TO ALLOW FOR MIRROR PLACEMENT.
5. A MINIMUM OF 75% OF INSTALLED FIXTURES SHALL HAVE COMPACT FLOURESCENT OR COOL LAMPS.
6. IN EVERY KITCHEN, FAMILY ROOM, DINING ROOM, LIVING ROOM, PARLOR, LIBRARY, DEN, SUNROOM, BEDROOM, RECREATION ROOM OR SIMILAR AREAS, ALL 125 VOLT, 15 AND 20 AMP RECEPTACLES SHALL BE LISTED TAMPER-PROOF RECEPTACLES EXCEPT THOSE LOCATED BEHIND A NOT EASILY MOVED APPLIANCE.
7. ALL 120 VOLT, SINGLE PHASE, 15 AND 20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED 'COMBINATION TYPE' ARC-FAULT CIRCUIT INTERRUPTOR INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.

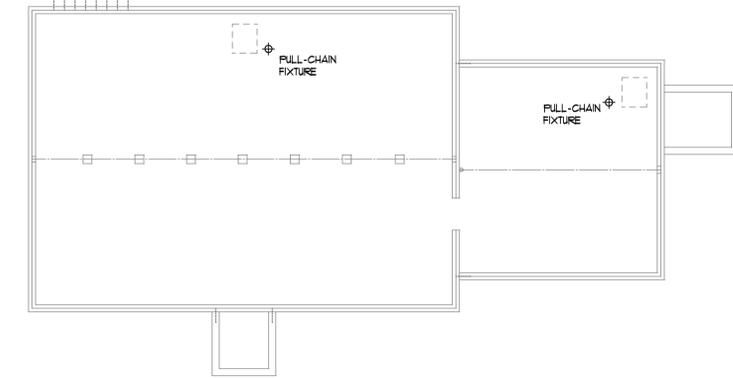
Electrical Symbols

- ⊕ STANDARD LIGHT FIXTURE OUTLET
- ⊕_{PC} STANDARD LIGHT FIXTURE OUTLET W/ PULL CHAIN
- ⊕_{RC} RECESSED LIGHT FIXTURE
- S SINGLE POLE SWITCH
- S₃ 3-WAY SWITCH
- S₄ 4-WAY SWITCH
- S_D SINGLE POLE SWITCH W/ DIMMER
- ⊕_{SD} SMOKE DETECTOR
- ⊕_{CO} CARBON MONOXIDE DETECTOR
- ⊕ TELEPHONE JACK
- ⊕_{CN} COMPUTER NETWORK JACK (RJ45 RECEPT. W/ CAT 5 WIRING)
- ⊕_{TV} CABLE TV JACK
- ⊕ SINGLE 120V RECEPTACLE
- ⊕_D DUPLEX RECEPTACLE (120V)
- ⊕_Q QUAD RECEPTACLE (120V)
- ⊕_F DUPLEX RECEPTACLE (120V) FLOOR MTD.
- ⊕_{220V} 220V OUTLET
- C MOUNT ABOVE COUNTER
- W WALL MOUNTED
- ⊕_{DB} DOORBELL CHIME
- ⊕_E EXHAUST FAN
- ⊕_{EL} EXHAUST FAN AND LIGHT COMBO
- ⊕_{CF} CEILING FAN
- ⊕_{CL} CEILING FAN AND LIGHT

Standard Mounting Heights



- MOUNTING HEIGHT NOTES:**
1. MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO CENTERLINE OF DEVICE UNLESS NOTED OTHERWISE.
 2. CENTER OF VANITY FIXTURE TO BE HALF OF VANITY WIDTH PLUS 1/2".



Crawl Space Electrical Plan
 SCALE - 1/8" = 1'-0"



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