

# BUILDING TYPE Palazzo (D1M - 2010)

S. Bel Haven Ln., West Chester, OH 45069 Lot #02

## Bel Haven

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CODE REVIEW INFORMATION	
GOVERNING BUILDING CODE:	2019 RESIDENTIAL CODE OF OHIO
CHAPTER 11 (ENERGY EFFICIENCY):	COMPLIANCE PATH 2 - SIMULATED PERFORMANCE APPROACH
CONSTRUCTION TYPE:	WOOD FRAME
NUMBER OF STORIES:	1 STORY
BUILDING AREAS:	2,202 SF TOTAL AREA - FIRST FLOOR



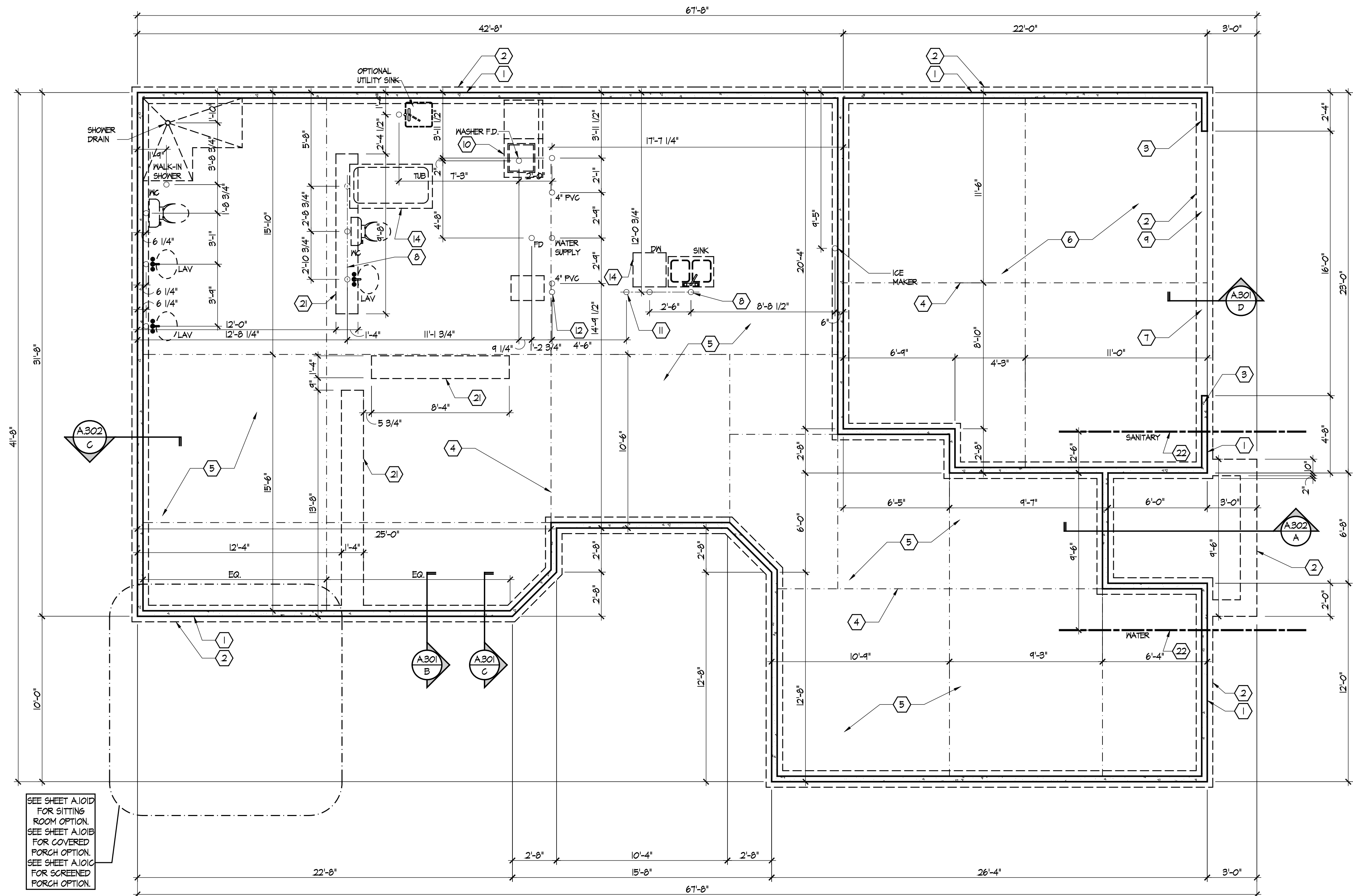
GENERAL BUILDING INFORMATION
THIS BUILDING IS A (1) UNIT SINGLE FAMILY DWELLING STRUCTURE. THE DWELLING UNIT CONTAINS:
1,717 SF OF LIVING SPACE AND 485 SF GARAGE IN EACH UNIT. TOTAL = 2,202 SF. THE TYPE D-1M UNIT IS A SINGLE STORY DESIGN
THE OPTIONS BELOW WILL EACH ADD THE FOLLOWING SQUARE FOOTAGE:
SITTING ROOM WITH HIP ROOF - 123 SF

GENERAL NOTES
1. ALL WORK SHALL COMPLY WITH APPLICABLE STATE AND LOCAL BUILDING CODES AND THE BUILDING STANDARDS REFERENCED THEREIN.
2. ALL WORK SHALL CONFORM TO THE HIGHEST LEVELS OF THE APPROPRIATE INDUSTRY STANDARDS FOR CUSTOM WORK.
3. ALL WORK TO BE COORDINATED AND SCHEDULED BY THE OWNER.
4. FRAMING LUMBER IN CONTACT WITH CONCRETE OR MASONRY, OR EXPOSED TO THE EXTERIOR SHALL BE PRESERVATIVE PRESSURE TREATED.
5. PLAN DIMENSIONS ARE TO FACE OF ROUGH FRAMING OR MASONRY UNLESS NOTED OTHERWISE. DIMENSIONS TO EXTERIOR WALLS INCLUDE 7/16" EXT. SHEATHING, ROUNDED TO THE NEAREST 1/4".
6. FINISH FLOOR ELEV. @ FIRST FLOOR LEVEL IS SET AT 100'-0". SEE SITE PLAN FOR ACTUAL FIRST FLOOR ELEVATION @ EACH BUILDING.
7. ALL INTERIOR PARTITIONS SHALL BE 2x4 STUDS @ 16" O.C. WITH 1/2" DRYWALL EACH SIDE. PLAN DIMENSION IS ASSUMED TO BE 3 1/2" UNLESS NOTED OTHERWISE. PROVIDE SOLID LUMBER BLOCKING FOR ALL WALL MOUNTED ITEMS.
8. ALL DRYWALL IN WET AREAS, AND AS A SUBSTRATE FOR TILE, SHALL BE MOISTURE RESISTANT 1/2" WATERBOARD OR GREENBOARD.
9. ALL INTERIOR COLORS AND FINISHES, NOT SPECIFIED HEREIN, TO BE SELECTED BY THE OWNER.

GENERAL SPECIFICATIONS																																																																																											
<p><b>GENERAL</b></p> <p>1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETE. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF TEMPORARY BRACING OR GUYS THAT MIGHT BE NECESSARY.</p> <p>2. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.</p> <p>3. THIS STRUCTURE IS DESIGNED TO RESIST THE FOLLOWING MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS:</p> <table border="1"> <tr> <td>ATTICS WITHOUT STORAGE</td> <td>10 PSF</td> </tr> <tr> <td>ATTICS WITH LIMITED STORAGE</td> <td>20 PSF</td> </tr> <tr> <td>HABITABLE ATTICS</td> <td>30 PSF</td> </tr> <tr> <td>ATTICS WITH FIXED STAIRS</td> <td>30 PSF</td> </tr> <tr> <td>BALCONIES &amp; DECKS</td> <td>40 PSF</td> </tr> <tr> <td>ROOMS OTHER THAN SLEEPING ROOMS</td> <td>30 PSF</td> </tr> <tr> <td>SLEEPING ROOMS</td> <td>30 PSF</td> </tr> <tr> <td>STAIRS</td> <td>40 PSF</td> </tr> <tr> <td>ROOF</td> <td>25 PSF (GROUND SNOW LOAD)</td> </tr> <tr> <td>CEILING JOISTS (HIGH SLOPE RAFTERS)</td> <td>20 PSF</td> </tr> <tr> <td>CEILING JOISTS (LOW SLOPE/NO STORAGE)</td> <td>10 PSF</td> </tr> <tr> <td>WIND</td> <td>Vult: 115 MPH, Vasec: 84 MPH, EXP. B</td> </tr> </table> <p><b>CONCRETE</b></p> <p>1. STRUCTURAL CONCRETE:</p> <table border="1"> <tr> <td>FOOTINGS, INTERIOR SLABS</td> <td>F'c = 3000 PSI</td> </tr> <tr> <td>EXPOSED WALLS, GARAGE SLABS AND EXTERIOR SLABS ON GRADE</td> <td>F'c = 4000 PSI (5% - 1% ENTRAINED AIR)</td> </tr> <tr> <td>ALL DEFORMED REINFORCING BARS</td> <td>F'y = 60,000 PSI</td> </tr> </table> <p>2. CONCRETE TO BE MIXED AND PLACED PER ACI SPECIFICATIONS.</p> <p><b>MASONRY</b></p> <p>1. MASONRY VENEER SHALL BE ANCHORED TO THE SUPPORTING WALL WITH CORROSION-RESISTANT METAL TIES EMBEDDED IN MORTAR OR GROUT, AND EXTENDING INTO THE VENEER A MINIMUM OF 1'-1/2", WITH NOT LESS THAN 5/8" MORTAR OR GROUT COVER TO OUTSIDE FACE.</p> <p>2. WHERE VENEER IS ANCHORED TO WOOD BACKINGS BY CORRUGATED SHEET METAL TIES, THE DISTANCE SEPARATING THE VENEER FROM THE SHEATHING MATERIAL SHALL BE A MAXIMUM OF 1".</p> <p>3. SHEET METAL TIES SHALL BE NOT LESS THAN NO. 22 U.S. GAGE BY 1/8" CORRUGATED. EACH TIE SHALL BE SPACED NOT MORE THAN 24" ON CENTER HORIZONTALLY AND VERTICALLY, AND SHALL SUPPORT NOT MORE THAN 2.61 SF OF WALL AREA.</p> <p>4. ADDITIONAL TIES SHALL BE PROVIDED AROUND ALL WALL OPENINGS GREATER THAN 16" IN EITHER DIMENSION. METAL TIES AROUND THE PERIMETER OF OPENINGS SHALL BE SPACED NOT MORE THAN 3'-0" O.C., AND PLACED WITHIN 12" OF THE WALL OPENING.</p> <p><b>VINYL SIDING</b></p> <p>1. VINYL SIDING SHALL BE CERTIFIED AND LABELED AS CONFORMING TO THE REQUIREMENTS OF ASTM D 3614 BY AN APPROVED QUALITY CONTROL AGENCY.</p> <p>2. VINYL SIDING, SOFFIT, AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.</p> <p>3. SOFFIT PANELS SHALL BE INDIVIDUALLY FASTENED TO A SUPPORTING COMPONENT SUCH AS A NAILING STRIP, FASCIA, OR SUBFASCIA COMPONENT, OR AS SPECIFIED BY THE MANUFACTURER.</p> <p><b>ASPHALT SHINGLES</b></p> <p>1. SHINGLE PACKAGING SHALL BEAR A LABEL TO INDICATE COMPLIANCE TO:</p> <table border="1"> <tr> <td>MAXIMUM BASIC WIND SPEED</td> <td>CLASSIFICATION REQUIREMENT PER ASTM D 7158</td> </tr> <tr> <td>90 MPH</td> <td>D, G OR H</td> </tr> <tr> <td>100 MPH</td> <td>G OR H</td> </tr> <tr> <td>110 MPH</td> <td>G OR H</td> </tr> </table>	ATTICS WITHOUT STORAGE	10 PSF	ATTICS WITH LIMITED STORAGE	20 PSF	HABITABLE ATTICS	30 PSF	ATTICS WITH FIXED STAIRS	30 PSF	BALCONIES & DECKS	40 PSF	ROOMS OTHER THAN SLEEPING ROOMS	30 PSF	SLEEPING ROOMS	30 PSF	STAIRS	40 PSF	ROOF	25 PSF (GROUND SNOW LOAD)	CEILING JOISTS (HIGH SLOPE RAFTERS)	20 PSF	CEILING JOISTS (LOW SLOPE/NO STORAGE)	10 PSF	WIND	Vult: 115 MPH, Vasec: 84 MPH, EXP. B	FOOTINGS, INTERIOR SLABS	F'c = 3000 PSI	EXPOSED WALLS, GARAGE SLABS AND EXTERIOR SLABS ON GRADE	F'c = 4000 PSI (5% - 1% ENTRAINED AIR)	ALL DEFORMED REINFORCING BARS	F'y = 60,000 PSI	MAXIMUM BASIC WIND SPEED	CLASSIFICATION REQUIREMENT PER ASTM D 7158	90 MPH	D, G OR H	100 MPH	G OR H	110 MPH	G OR H	<p><b>STRUCTURAL LUMBER</b></p> <p>1. JOISTS, BEAMS, RAFTERS, AND 2 x 4 STUDS ARE TO BE A MINIMUM GRADE OF SPRUCE-PINE-FIR (SOUTH) NO. 2, WITH THE FOLLOWING MINIMUM PROPERTIES:</p> <table border="1"> <tr> <td>FB</td> <td>= 750 PSI</td> </tr> <tr> <td>FV</td> <td>= 70 PSI</td> </tr> <tr> <td>FC</td> <td>= 335 PSI (PERPENDICULAR)</td> </tr> <tr> <td>EC</td> <td>= 415 PSI (PARALLEL)</td> </tr> <tr> <td>E</td> <td>= 1,000,000 PSI</td> </tr> </table> <p>2. 2 x 4 STUDS, UNLESS NOTED OTHERWISE, ARE TO BE A MINIMUM GRADE OF HEM-FIR STUD GRADE, WITH THE FOLLOWING MINIMUM PROPERTIES:</p> <table border="1"> <tr> <td>FB</td> <td>= 675 PSI FT</td> </tr> <tr> <td>FV</td> <td>= 75 PSI</td> </tr> <tr> <td>FC</td> <td>= 405 PSI (PERPENDICULAR)</td> </tr> <tr> <td>EC</td> <td>= 800 PSI</td> </tr> <tr> <td>E</td> <td>= 1,200,000 PSI</td> </tr> </table> <p>3. LAMINATED VENEER LUMBER (LVL) SHALL BE "1.4 E MICROLAM LVL" AS MANUFACTURED BY TRUS JOIST MACMILLAN (OR EQUAL), WITH THE FOLLOWING DESIGN PROPERTIES:</p> <table border="1"> <tr> <td>FB</td> <td>= 2,800 PSI (SINGLE 12" MEMBER)</td> </tr> <tr> <td>FV</td> <td>= 225 PSI</td> </tr> <tr> <td>FC</td> <td>= 750 PSI (PERPENDICULAR)</td> </tr> <tr> <td>EC</td> <td>= 2,000 PSI (PARALLEL TO GRAIN)</td> </tr> <tr> <td>E</td> <td>= 1,900,000 PSI</td> </tr> </table> <p>4. UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST REVISIONS OF:</p> <ul style="list-style-type: none"> <li>NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION PRODUCT STANDARD PS-1-83 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD</li> <li>APA PRP-108 FOR STRUCTURAL USE PANELS, OR</li> <li>PS 2-42 FOR WOOD-BASED STRUCTURAL USE PANELS</li> <li>APA RESIDENTIAL CONSTRUCTION GUIDE</li> </ul> <p>5. TRUSSES, STRUCTURAL COMPOSITE LUMBER, STRUCTURAL GLUE-LAMINATED MEMBERS, AND I-JOISTS SHALL BE SUPPORTED LATERALLY AS REQUIRED BY THE MANUFACTURER.</p> <p>6. ANY DRILLING OR NOTCHING OF THE WALL DOUBLE TOP PLATES SHALL BE IN COMPLIANCE WITH THE BUILDING CODE.</p> <p><b>MISCELLANEOUS</b></p> <p>1. USE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8'-0" O/C FOR CEILING JOISTS. USE SOLID BLOCKING AT BEARINGS.</p> <p>2. USE ONE CRIPPLE STUD AND ONE FULL HEIGHT STUD UNDER BEAM AND HEADER BEARING LESS THAN 4'-0" AND ONE CRIPPLE STUD AND TWO FULL HEIGHT STUDS UNDER BEAM AND HEADER BEARING 4'-0" OR GREATER, UNLESS SHOWN OTHERWISE.</p> <p>3. APPLY CONTINUOUS BEAD OF GLUE ON JOISTS AND GROOVE OF TONGUE-AND-GROOVE PANELS.</p> <p>4. BUILDING ENVELOPE AIR TIGHTNESS AND INSULATION INSTALLATION SHALL BE DEMONSTRATED TO COMPLY WITH ONE OF THE FOLLOWING OPTIONS:</p> <ul style="list-style-type: none"> <li>A. TESTING OPTION: TESTED AIR LEAKAGE WITH A BLOWER DOOR TEST</li> <li>B. VISUAL INSPECTION OPTION: INSPECTION OF ITEMS LISTED IN TABLE 1102.4.2. (SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION)</li> </ul> <p>5. FRAMING LUMBER IN CONTACT WITH CONCRETE OR MASONRY, OR EXPOSED TO THE EXTERIOR SHALL BE PRESERVATIVE PRESSURE TREATED.</p> <p>6. ANY WOOD, INCLUDING EXTERIOR SHEATHING, WITHIN 6" OF FINISHED GRADE SHALL BE PRESERVATIVE-PRESSURE TREATED.</p> <p>7. WALL COVERINGS, BACKING MATERIALS, AND THEIR ATTACHMENTS SHALL BE CAPABLE OF RESISTING WIND LOADS IN ACCORDANCE WITH THE FOLLOWING TABLES:</p> <ul style="list-style-type: none"> <li>A. SEISMIC DESIGN CATEGORIES</li> <li>B. WEATHERING PROBABILITY MAP FOR CONCRETE</li> </ul> <p>8. AN APPROVED WATER-RESISTIVE BARRIER SHALL BE APPLIED OVER SHEATHING OF ALL EXTERIOR WALLS. SUCH MATERIAL SHALL BE APPLIED HORIZONTALLY, WITH THE UPPER LAYER LAPPED OVER THE LOWER LAYER NOT LESS THAN 2". WHERE JOINTS OCCUR, BARRIER SHALL BE LAPPED NOT LESS THAN 6". THE BARRIER SHALL BE CONTINUOUS TO THE TOP OF THE WALL, AND TERMINATED AT PENETRATIONS AND BUILDING APPENDAGES IN A MANNER TO MEET THE REQUIREMENTS OF THE EXTERIOR WALL ENVELOPE.</p> <p>9. OPTION: THE SPECIFIED 7/16" EXTERIOR SHEATHING CAN BE SUBSTITUTED FOR 1" ZIP SYSTEM "R-SHEATHING".</p>	FB	= 750 PSI	FV	= 70 PSI	FC	= 335 PSI (PERPENDICULAR)	EC	= 415 PSI (PARALLEL)	E	= 1,000,000 PSI	FB	= 675 PSI FT	FV	= 75 PSI	FC	= 405 PSI (PERPENDICULAR)	EC	= 800 PSI	E	= 1,200,000 PSI	FB	= 2,800 PSI (SINGLE 12" MEMBER)	FV	= 225 PSI	FC	= 750 PSI (PERPENDICULAR)	EC	= 2,000 PSI (PARALLEL TO GRAIN)	E	= 1,900,000 PSI	<p><b>STRUCTURAL STEEL</b></p> <p>1. ANCHOR BOLTS AND OTHER BOLTS EXCEPT AS MAY BE NOTED: ASTM A307.</p> <p>2. STRUCTURAL STEEL TO BE ASTM A36 WITH A SHOP COAT OF RUST-INHIBITIVE PAINT, EXCEPT FOR CORROSION-RESISTANT STEEL, AND STEEL TREATED WITH COATINGS TO PROVIDE CORROSION RESISTANCE.</p> <p>3. STEEL BELOW GRADE TO BE PROTECTED BY A MINIMUM OF 3" OF CONCRETE OR 4" OF MASONRY.</p> <p>4. COLUMNS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE BOTTOM END. COLUMNS SHALL NOT BE LESS THAN 3" DIAMETER, SCHEDULE 40 PIPE, MANUFACTURED IN ACCORDANCE WITH ASTM A 53 GRADE B, OR APPROVED EQUIVALENT.</p> <p>5. STEEL LINTELS SHALL BE SHOP COATED WITH A RUST-INHIBITIVE PAINT, EXCEPT FOR LINTELS MADE OF CORROSION-RESISTANT STEEL, OR STEEL TREATED WITH COATINGS TO PROVIDE CORROSION RESISTANCE. THE ALLOWABLE SPAN SHALL NOT EXCEED THE FOLLOWING VALUES, WITH THE LONG LEG OF THE ANGLE IN THE VERTICAL POSITION:</p> <table border="1"> <thead> <tr> <th>ANGLE SIZE</th> <th>NO STORY ABOVE</th> <th>ONE STORY ABOVE</th> </tr> </thead> <tbody> <tr> <td>3" X 3" X 1/4"</td> <td>8'-0"</td> <td>4'-6"</td> </tr> <tr> <td>4" X 3" X 1/4"</td> <td>8'-0"</td> <td>6'-0"</td> </tr> <tr> <td>5" X 3-1/2" X 5/16"</td> <td>10'-0"</td> <td>8'-0"</td> </tr> <tr> <td>6" X 3-1/2" X 5/16"</td> <td>14'-0"</td> <td>9'-6"</td> </tr> </tbody> </table> <p><b>CONNECTIONS &amp; FASTENERS</b></p> <p>1. JOISTS TO BEAMS OR JOISTS TO TRUSSES - 16 GA. STD. JOIST HANGERS, UNLESS SHOWN OTHERWISE - AS MANUFACTURED BY SIMPSON STRONG TIE.</p> <p>2. ROOF TRUSSES TO SUPPORTING TOP PLATES OR BEAMS - USE HURRICANE TIES, EQUAL TO SIMPSON H8, WITH ALL NAIL HOLES FILLED; ONE PER TRUSS END.</p> <p>3. ROOF SHEATHING TO JOISTS/TRUSSES - USE 8D NAILS AT 6" O/C AT PANEL EDGES AND 12" O/C AT INTERMEDIATE SUPPORTS.</p> <p>4. FASTENERS AND CONNECTORS IN CONTACT WITH PRESERVATIVE-TREATED WOOD AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF:</p> <ul style="list-style-type: none"> <li>HOT DIPPED ZINC-COATED GALVANIZED STEEL</li> <li>STAINLESS STEEL</li> <li>SILICON BRONZE</li> <li>COPPER</li> </ul> <p><b>TRUSS NOTES</b></p> <p>1. LUMBER AS REQUIRED BY THE TRUSS MANUFACTURER, MINIMUM GRADE TO BE SYP NO. 2, KD, 15 PERCENT MC.</p> <p>2. CONNECTIONS: ALL INTERNAL TRUSS CONNECTIONS ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER. CONNECTORS SHALL BE DEFORMED PLATE TYPE, OF MINIMUM 20 GAUGE GALVANIZED STEEL SHEET. ALL JOINTS ARE TO BE DESIGNED USING METHODS AS SET FORTH IN TPI STANDARDS 1976.</p> <p>3. HANGERS: ALL TRUSS TO TRUSS HANGERS ARE TO BE DESIGNED AND SUPPLIED BY THE TRUSS SUPPLIER.</p> <p>4. SPECIFICATIONS AND REFERENCE STANDARDS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION, ERECTION, HANDLING AND BRACING REQUIREMENTS ARE TO BE GOVERNED BY THE LATEST REVISIONS OF:</p> <ul style="list-style-type: none"> <li>NATIONAL DESIGN SPECIFICATIONS FOR STRESS-GRADE LUMBER AND ITS FASTENINGS</li> <li>TIMBER CONSTRUCTION STANDARDS</li> <li>DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES</li> <li>TRUSS PLATE INSTITUTE PUBLICATION-BTM BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS</li> </ul> <p>5. ALL TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER FOR THE FOLLOWING LOADS:</p> <table border="1"> <tr> <td>TOP CHORD LIVE LOAD:</td> <td>25 PSF (GROUND SNOW)</td> </tr> <tr> <td>DEAD LOAD:</td> <td>10 PSF</td> </tr> <tr> <td>BOTTOM CHORD LIVE LOAD:</td> <td>10 PSF</td> </tr> </table> <p>6. WHERE TRUSSES ARE REQUIRED TO FRAME INTO OTHER TRUSSES, THE DESIGN OF THE HANGERS SHALL BE THE RESPONSIBILITY OF THE TRUSS SUPPLIER. THIS IS TO INCLUDE THE DESIGN OF THE HANGERS AND PROVISION IN THE SUPPORTING TRUSS TO ACCEPT THE TYPE OF HANGER PROVIDED.</p> <p>7. TRUSS DESIGNS ARE TO BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. TRUSS SUBMITTAL SHALL INCLUDE THE FOLLOWING INFORMATION:</p> <ul style="list-style-type: none"> <li>DESIGN INFORMATION FOR EACH TYPE OF TRUSS SUPPLIED</li> <li>TRUSS HANGER TYPE AND LOCATION FOR ALL TRUSSES FRAMING INTO TRUSSES</li> <li>TRUSS DESIGN DRAWINGS SHALL BE STAMPED BY A REGISTERED ENGINEER</li> </ul> <p>8. ALL MEMBERS OF MULTIPLE TRUSSES ARE TO BE NAILED TOGETHER WITH 10D COMMON NAILS AT 8" O.C., FOR DOUBLE TRUSSES, OR WITH 16D COMMON NAILS AT 8" O.C. FROM EACH SIDE, FOR TRIPLE TRUSSES.</p>	ANGLE SIZE	NO STORY ABOVE	ONE STORY ABOVE	3" X 3" X 1/4"	8'-0"	4'-6"	4" X 3" X 1/4"	8'-0"	6'-0"	5" X 3-1/2" X 5/16"	10'-0"	8'-0"	6" X 3-1/2" X 5/16"	14'-0"	9'-6"	TOP CHORD LIVE LOAD:	25 PSF (GROUND SNOW)	DEAD LOAD:	10 PSF	BOTTOM CHORD LIVE LOAD:	10 PSF
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GAS Furnace , Heater , Range and Fireplace



**FOUNDATION CODED NOTES**  
(FOUNDATION PLAN ONLY)  
(ALL NOTES NOT APPLICABLE TO ALL SHEETS)

1. POURED CONCRETE FOUNDATION STEM WALL (TYPICAL) - SEE WALL SECTIONS SHEETS.
2. 12" WIDE CONCRETE FOOTING WITH STEEL BAR REINFORCING AS REQUIRED BY SOILS ENGINEER - MAINTAIN BOTTOM OF FOOTING A MINIMUM 30" BELOW FINISH GRADE AND TOP OF FOOTING SET 12" BELOW FINISHED FLOOR - TYPICAL.
3. PROVIDE MIN. 2 ANCHOR BOLTS EACH SIDE OF GARAGE DOORS.
4. SAW CUT CONTROL JOINT IN CONCRETE SLAB, 1/8" WIDE x 1/4" DEEP - TYPICAL.
5. 4" POURED CONCRETE FLOOR SLAB OVER 4 MIL. POLYETHYLENE VAPOR BARRIER AND 4" GRAVEL BASE - TYPICAL.
6. 4" GLASS FIBER REINFORCED CONCRETE FLOOR SLAB OVER 4" GRAVEL BASE - TYPICAL IN GARAGES.
7. PROVIDE WEATHERCLIP @ GARAGE DOOR OPENING - SEE DETAIL D, SHEET A301.
8. PIPE LOCATION CENTERED ON WALL ABOVE.
9. NO STEM WALL AT GARAGE DOOR OPENINGS.
10. WASHER ALWAYS LOCATED LEFT OF DRYER.
11. ELECTRICAL CONDUIT UNDER SLAB FOR ELECTRICAL OUTLET AT KITCHEN ISLAND.
12. ELECTRICAL CONDUIT SLAB PENETRATION.
13. NOT USED.
14. DASHED LINES INDICATE LOCATION OF PLUMBING FIXTURES ABOVE - SHOWN FOR REFERENCE ONLY.
15. 10" WIDE x 10" DEEP CONCRETE PIER WITH 24" DIA. FOOTING. MAINTAIN BOTTOM OF FOOTING A MINIMUM 30" BELOW FINISH GRADE AND TOP OF PIER SET 6" BELOW FINISHED FLOOR.
16. DOTTED LINE INDICATES WALL LINE OF BASE UNIT.
17. 8" DEEP X 16" WIDE THICKENED SLAB WITH (2) NO. 4 REBAR CONTINUOUS.
18. 24" DIA. FOOTING - MAINTAIN BOTTOM OF FOOTING A MINIMUM 30" BELOW FINISH GRADE.
19. 12" DEEP CONCRETE FOOTING WITH (2) NO. 5 REBAR EACH WAY - SEE PLANS FOR SIZE - MAINTAIN BOTTOM OF FOOTING A MINIMUM 30" BELOW FINISH GRADE. 12" THICKENED SLAB EDGE TO CONTINUE DOWN TO FOOTING.
20. 24" WIDE CONCRETE FOOTING WITH STEEL BAR REINFORCING AS REQUIRED BY SOILS ENGINEER - MAINTAIN BOTTOM OF FOOTING A MINIMUM 30" BELOW FINISH GRADE AND TOP OF FOOTING SET 12" BELOW FINISHED FLOOR.
21. 12" DEEP X 16" WIDE THICKENED SLAB WITH (2) NO. 4 REBAR CONTINUOUS. TYPICAL UNDER ALL INTERIOR SHEAR WALLS.
22. PLUMBER TO PROVIDE 4" PVC SLEEVE FOR WATER AND 4" SANITARY LINE FOR INSTALLATION BY FOOTER CONTRACTOR.

**EPCON**  
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*Where Life Comes Together™*

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Bel Haven  
Beckett Road  
West Chester, Ohio 45069

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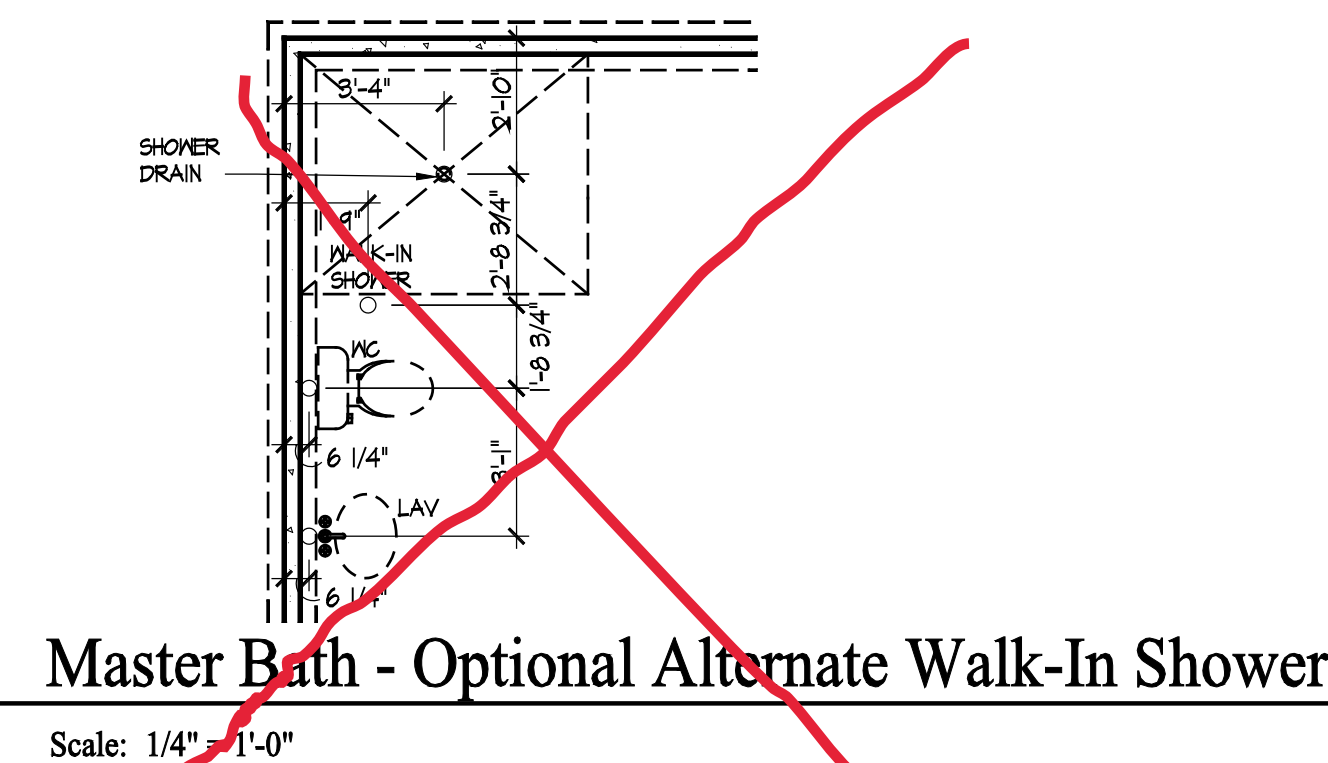
**Foundation Plan**

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

SEE SHEET A101D FOR SITTING ROOM OPTION.  
SEE SHEET A101B FOR COVERED PORCH OPTION.  
SEE SHEET A101C FOR SCREENED PORCH OPTION.

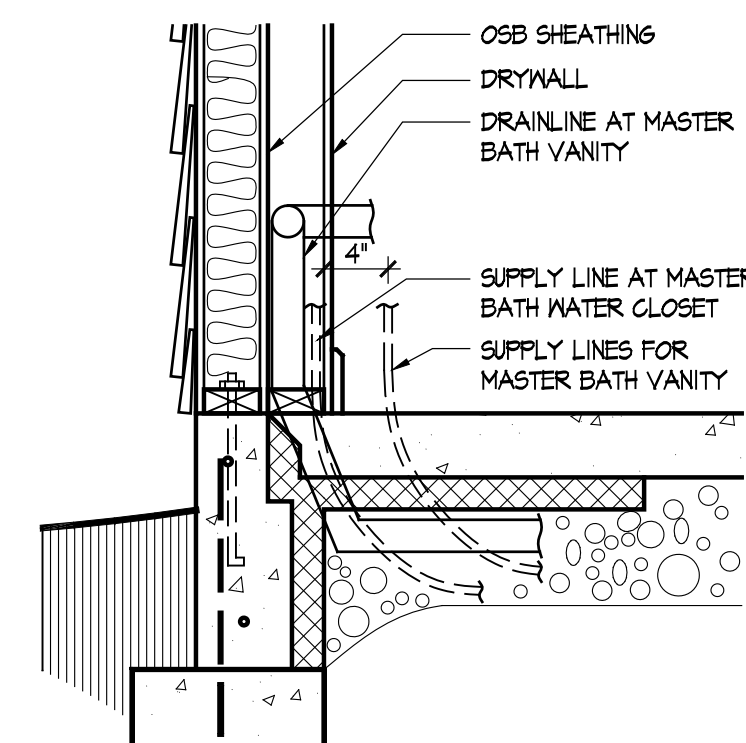
**GENERAL FOUNDATION NOTES**

1. SOIL BEARING CAPACITY ASSIGNED TO BE 2500 PSF AND SHALL BE VERIFIED BY SOILS ENGINEER PRIOR TO PLACEMENT OF BUILDING FOUNDATION. CONSULT ARCHITECT WHEN INADEQUATE SOIL CAPACITIES ARE FOUND.
2. ALL DIMENSIONS ARE TO FACE OF FOUNDATION / BASEMENT WALL UNLESS NOTED OTHERWISE.
3. HOLD DOWN TOP OF FOUNDATION WALL 8" AT ALL ENTRY DOORS TO ALLOW FOR EXTENSION OF FLOOR SLAB UNDER THE DOOR THRESHOLDS.
4. PLUMBING CONTRACTOR TO USE ROUND BUCKETS FOR FORMED SLAB PENETRATIONS.
5. CONCRETE CONTRACTOR TO INSTALL 1/2" EXP. JT. AROUND THE PERIMETER OF GARAGES.
6. CONCRETE CONTRACTOR COORDINATE WITH PLUMBING FOR LOCATION OF BLOCKOUTS FOR UNDERSLAB LINES.
7. CONCRETE CONTRACTOR - SEE FIRST FLOOR PLAN FOR SIDEWALKS AND PATIOS.
8. CONCRETE CONTRACTOR TO VERIFY SLAB PENETRATION AT TUB/SHOWER OPTIONS.



**Master Bath - Optional Alternate Walk-In Shower**

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



**Master Bath Plumbing Detail - Vanity/W.C.**

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

Prototype Disk No.	Interim Revision	Page Revisions Date
		2/17/12

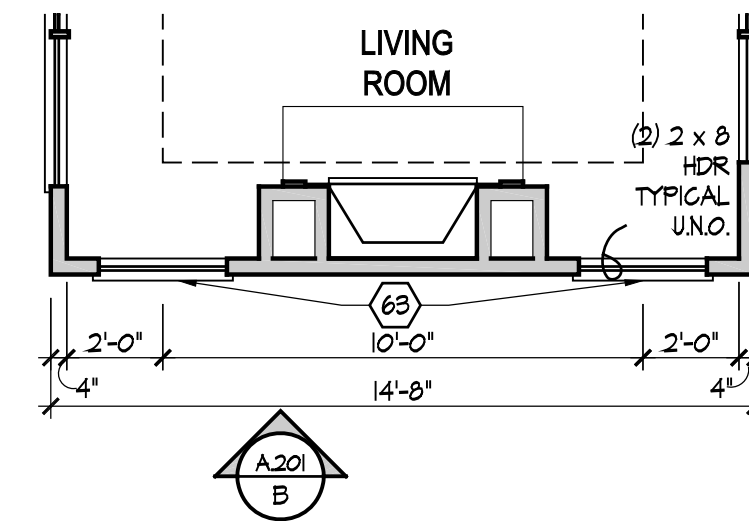
Architect Project Number  
2019-044

Community Dates & Revisions

Date Originated	Revisions
20 FEB 2020	▲
	▲
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Drawing Title  
**Foundation Plan**

Architectural Style  
European Country  
Sheet Number  
**A.100**  
D1M - 2010



Living Room - Optional Windows

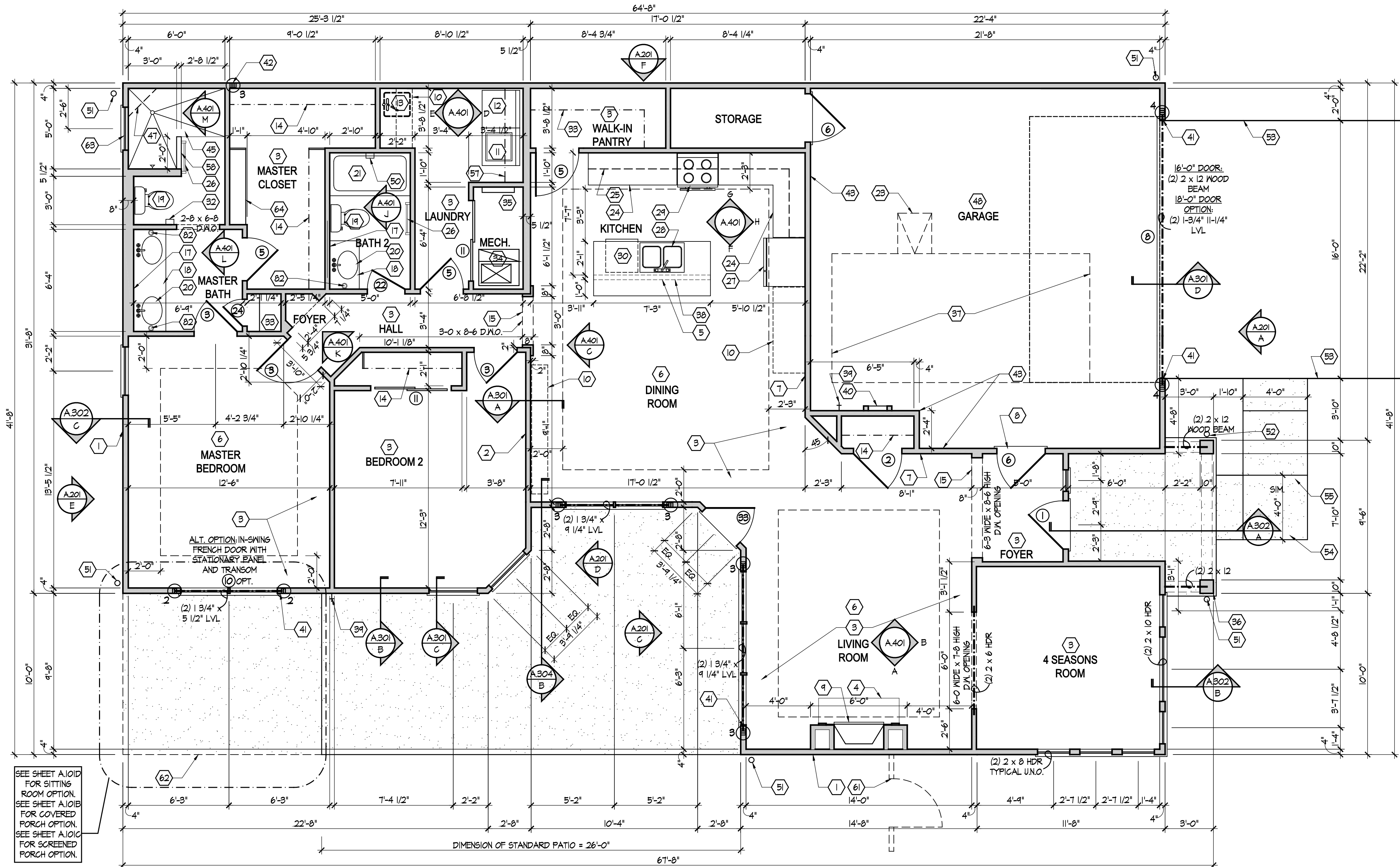
Scale: 1/4" = 1'-0"

GENERAL NOTES

- EXTERIOR WALL DIMENSIONS INCLUDE THICKNESS OF SHEATHING.
- REFER TO SITE LAYOUT PLAN FOR BUILDING LOCATIONS AND ORIENTATIONS.
- DOORS NOT OTHERWISE DIMENSIONED SHALL BE LOCATED WITH ROUGH OPENINGS 3" FROM INTERSECTING WALLS.
- AT SECOND FLOOR WALL LOCATIONS WITH PARALLEL FLOOR JOIST/TRUSSES - PROVIDE 2 X BLOCKING FULL DEPTH OF FLOOR STRUCTURE BETWEEN JOISTS/TRUSSES @ 24" O.C.

FIRST FLOOR PLAN CODED NOTES

- (FIRST FLOOR UNIT PLANS ONLY)  
(ALL NOTES NOT APPLICABLE TO ALL SHEETS)
- EXTERIOR STUD WALL - 2 X 4 WOOD STUDS AT 16" O.C. WITH 1/2" DRYWALL ON ALL INTERIOR SURFACES AND 7/16" O.S.B. SHEATHING ON EXTERIOR SURFACES - TYPICAL.
  - INTERIOR STUD WALL - 2 X 4 WOOD STUDS AT 16" O.C. WITH 1/2" DRYWALL ON ALL FINISHED SURFACES - TYPICAL.
  - FLAT DRYWALL CEILING @ 9'-0" A.F.F. - TYPICAL UNLESS NOTED OTHERWISE.
  - 20" DEEP X 60" WIDE GRANITE HEARTH EXTENSION - CENTERED ON FIREBOX.
  - ISLAND BASE CABINETS & COUNTERTOP - FINISH ALL EDGES OF CABINETS & COUNTERTOP.
  - TRAY CEILING @ 10'-0" A.F.F.
  - PROVIDE FIBERGLASS BATT INSULATION IN GARAGE WALLS COMMON TO LIVING SPACE.
  - MAINTAIN 4" MINIMUM ELEVATION CHANGE BETWEEN GARAGE FLOOR & FINISHED FIRST FLOOR.
  - PREFABRICATED METAL FIREBOX UNIT HEARTH & HOME MODEL DV5B25BI (OR SIMILAR), PROVIDE GAS LINE, GAS LOG SET AND SCREEN - ROUGH OPENING 31" WIDE X 34 3/4" HIGH X 18" DEEP 1/2" DEEP WITH BUILT-IN CABINETRY OPTION.
  - OPTIONAL CABINETS - SEE INTERIOR ELEVATIONS.
  - WASHER LOCATION - PROVIDE WASHER BOX ON BACK WALL. WASHER ALWAYS LOCATED LEFT OF DRYER.
  - DRYER LOCATION - DRYER VENT IN WALL.
  - OPTIONAL UTILITY SINK AND FAUCET - INSTALL ROUGH-IN PLUMBING ONLY.
  - SINGLE CLOSET ROD & SHELF (67 1/2" A.F.F.) - VINYL COATED WIRE WITH STANDARD SPACINGS.
  - ARCHED OPENING. SPRING POINT @ 7'-8" A.F.F. TOP OF ARCH 8'-6" ABOVE SPRING POINT.
  - LOCATION OF DOUBLE 2 X 4 STUD WALL.
  - FRAMELESS MIRROR LOCATION - 42" HIGH X 24" SHORTER THAN VANITY TOP (1" EACH SIDE) - SET BOTTOM OF MIRROR AT TOP OF BACKSPLASH.
  - VANITY BASE AND COUNTERTOP 31 1/2" A.F.F.
  - TOILET & SEAT.
  - SELF-RIMMING COUNTER LAVATORY AND FAUCET.
  - 32" X 60" STANDARD TUB/SHOWER & FAUCET WITH CERAMIC TILE SURROUND.
  - TEMPERED GLASS SHOWER ENCLOSURE AND DOOR.
  - 22" X 54" OPTIONAL PULL DOWN STAIR LOCATED BETWEEN TRUSSES ABOVE. DRYWALL ON STAIR SHALL BE MOUNTED WITH SCREWS INTO THE TOP & BOTTOM DOOR CROSS SUPPORTS WITH THE CENTER GLUED LEAVING NO SCREWS EXPOSED.
  - BASE CABINETS AND COUNTERTOP.
  - LINE OF WALL CABINETS ABOVE.
  - 24" LONG TOWEL BAR - 54" A.F.F. (58" A.F.F. ABOVE TOILET).
  - REFRIGERATOR LOCATION.
  - DOUBLE BOWL SINK AND FAUCET.
  - RANGE LOCATION.
  - DISHWASHER LOCATION.
  - 10' X 10' BUILT-UP COLUMN - TYPICAL. SEE DETAIL D, SHEET A304 FOR MORE INFORMATION.
  - TOILET PAPER DISPENSER.
  - (4) 16" DEEP WIRE SHELVES (24", 42", 55", 68" A.F.F.) - STANDARD SPACINGS. TYPICAL AT LINEN CLOSETS AND PANTRIES, UNLESS NOTED OTHERWISE.
  - FURNACE LOCATION.
  - TANKLESS WATER HEATER.
  - 10' X 10' BUILT-UP COLUMN / PILASTER - TYPICAL. SEE DETAIL F, SHEET A304 FOR MORE INFORMATION.
  - 16'-0" X 8'-0" ATTIC STORAGE ABOVE - PROVIDE 3/4" APA RATED SUB-FLOORING ON BOTTOM CHORD OF TRUSSES UNLESS NOTED OTHERWISE. OSB SHEATHING RATED FOR 20 PSF LIVE LOAD IS PERMITTED AS AN ALTERNATE.
  - 1/2" WALL TO UNDERSIDE OF BAR COUNTERTOP.
  - HOSE BIBB LOCATION.
  - SURFACE MOUNTED ELECTRIC PANEL LOCATION.
  - PROVIDE (2) JACKS UNDER ALL HEADERS IN OPENINGS OVER 60" WIDE - TYPICAL.
  - INDICATES MULTIPLE STUD COLUMN IN WALL - TYPICAL AT BEARINGS OF ALL WOOD BEAMS, GIRDER TRUSSES UNLESS NOTED OTHERWISE. SEE PLAN FOR NUMBER OF STUDS REQUIRED.
  - MINIMUM 1/2" DRYWALL ON GARAGE SIDE.
  - 32" X 60" STANDARD SHOWER BASE.
  - CUSTOM TILED WALK-IN SHOWER BASE - SEE PLAN FOR SIZE.
  - WOOD GUARD RAIL - SEE DETAIL K ON SHEET A304.
  - TILED CORNER SEAT OPTION - 30" WIDE X 18" A.F.F. HIGH.
  - FLAT DRYWALL CEILING ON UNDERSIDE OF BOTTOM CHORD OF ROOF TRUSSES OR FLOOR JOISTS.
  - FLAT DRYWALL CEILING @ 8'-4" A.F.F.
  - SOAP DISH - 5" HIGH X 7" WIDE.
  - DOWNSPOUT LOCATION.
  - DOWNSPOUT DISCHARGED INTO BLACK PIPE AND ROUTED UNDER WALKS OR PATIO.
  - EDGE OF DRIVEWAY.
  - 4" THICK SLAB TYPICAL @ CONCRETE WALKS/PORCHES/PATIOS
  - CONTROL JOINTS - TYPICAL.
  - DASHED LINES INDICATE BOXED BEAM ABOVE.
  - 12" DEEP SHELF (60" A.F.F.) - VINYL COATED WIRE - STANDARD SPACINGS.
  - SHOWER WALL - 6'-0" A.F.F.
  - OPTIONAL GARAGE SHELVING.
  - OPTIONAL DESK.
  - COURTYARD GATE AND FENCE LOCATION.
  - DASHED LINE INDICATES OPTIONAL PATIO SECTION.
  - OPTIONAL WINDOW.
  - (4) 12" DEEP WIRE SHELVES (24", 42", 55", 68" A.F.F.) - STANDARD SPACINGS.
  - 32" X 60" SHOWER BASE WITH BUILT-IN SEAT.
  - HARDBOARD TREADS AND RISERS.
  - WOOD HANDRAIL - 34" ABOVE STAIR TREADS. RETURN ENDS TO WALL OR NEVEL POST.
  - SINGLE BOWL SINK AND FAUCET.
  - 20" RANGE LOCATION.



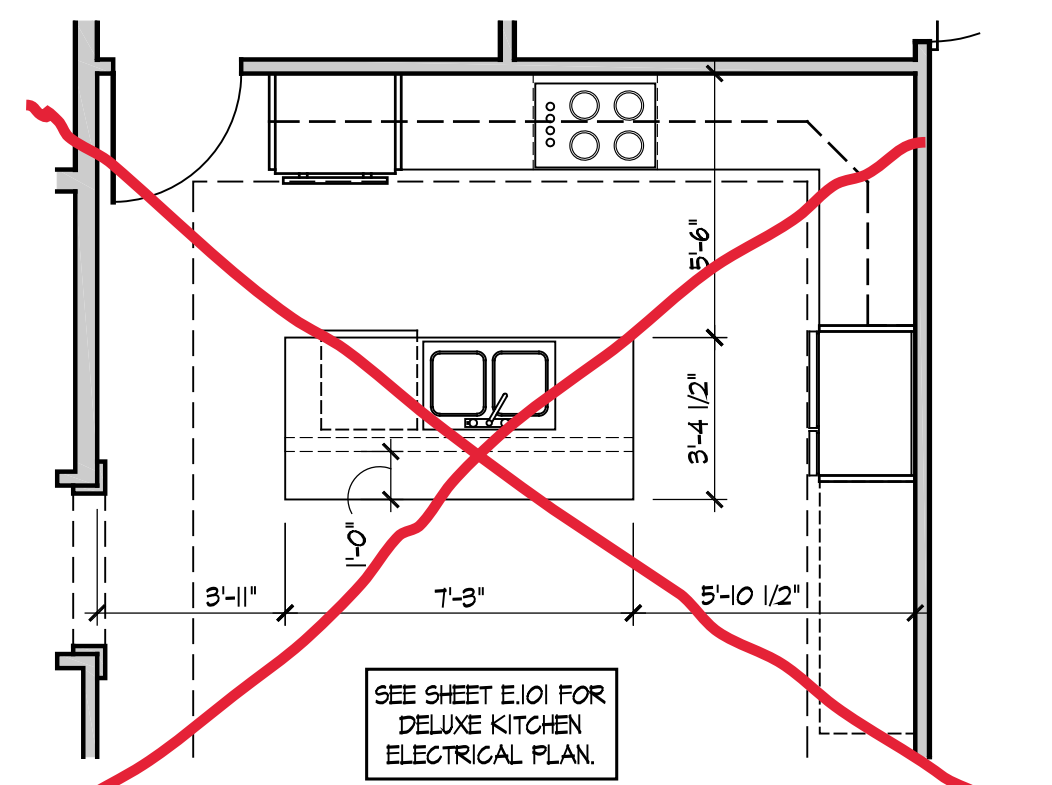
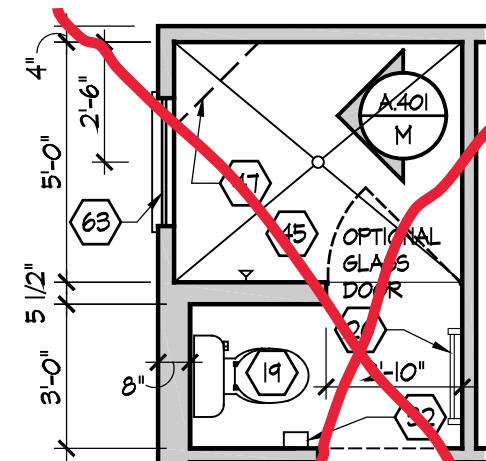
First Floor Plan

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

SEE SHEET A10D FOR SITTING ROOM OPTION.  
SEE SHEET A10E FOR COVERED PORCH OPTION.  
SEE SHEET A10C FOR SCREENED PORCH OPTION.

Master Bath - Optional Alternate Walk-in Shower

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



First Floor Deluxe Kitchen Plan

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

- FLAT DRYWALL CEILING @ 8'-0" A.F.F.
- LINE OF BREAK OF SLOPED DRYWALL CEILING - FOLLOW BOTTOM CHORD OF ROOF TRUSSES OR RAFTERS ABOVE.
- SLOPED CEILING AREA ABOVE.
- ATTIC ACCESS PANEL, 22" X 30" MINIMUM. PANEL TO BE 6" MIN. ABOVE BASE IF LOCATED IN KNEE WALL. PANEL TO HAVE 1" QUARTER ROUND MOLDING AROUND EDGE. PANEL SHALL BE WEATHER-STRIPPED AND INSULATED TO A LEVEL EQUIVALENT TO THE INSULATION ON THE SURROUNDING SURFACES. IF IN THE CEILING, A Baffle IS REQUIRED TO CONTAIN LOOSE-FILL INSULATION.
- UNDER THE COUNTER REFRIGERATOR LOCATION.
- FLAT DRYWALL CEILING @ 7'-0" A.F.F.
- 2 X 6 HALF WALL @ 36" A.F.F. WITH 1 X 8 HARDWOOD CAP - 1/2" LAG BOLT EACH END THRU SUB FLOOR.
- SINGLE CLOSET ROD & SHELF (48" A.F.F.) - VINYL COATED WIRE WITH STANDARD SPACINGS.
- KNEE WALL: 2 X 4 WOOD STUDS AT 16" O.C. WITH 1/2" DRYWALL ON ALL INTERIOR SURFACES, AND 1/4" O.S.B. BACKER PANEL ON EXTERIOR SURFACES - TYPICAL. RUN FROM FLOOR STRUCTURE BELOW TO UNDERSIDE OF ROOF FRAMING.
- NOT USED.
- NOT USED.
- DASHED LINE INDICATES 6" CEILING SOFFIT FOR SANITARY LINES FROM BONUS ROOM.
- TOWEL RING.



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	Revision	2/17/12

Architect Project Number  
2019-044

Community Dates & Revisions	
Date Originated	20 FEB 2020
Bid Permit Construction	
Revisions	
△	△
△	△

Drawing Title  
First Floor Plan

Architectural Style  
European Country

Sheet Number  
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D1M - 2010