

#	REVISION

PREPARED BY:

Dallas / Ft. Worth, TX  
www.EastStarDesign.com

**FLOOR PLAN LEGEND**

- EXTERIOR WALLS  
2x6 WOOD STUDS @ 16" O.C.  
W/ R-19 BATT INSULATION
- EXTERIOR SIDE  
PLYWOOD SHEATHING,  
BUILDING PAPER,  
1" AIR GAP, &  
BRICK FINISH
- INTERIOR SIDE  
1/2" GYP. BD. FINISH
- INTERIOR WALLS (U.N.O.)  
2x4 WOOD STUDS @ 16" O.C.  
W/ ACOUSTIC INSULATION  
W/ 1/2" GYPSUM BOARD @ EACH  
SIDE
- 1 HR. FIRE RATED WALLS  
PROVIDE (1) LAYER OF  
5/8" GYPSUM BOARD,  
DRYWALL SCREWS: TYPE "S"  
EDGES 8" O.C.  
FIELD 12" O.C.

THE FIRST FIVE FEET OF HOT AND COLD WATER  
PIPE IN UNCONDITIONED SPACE ARE TO BE  
INSULATED.

NOTE:  
ALL TASK LIGHTING REQUIRED TO BE HIGH  
EFFICIENCY (40 LUMENS PER WATT)

NOTE:  
ALL WINDOWS TO BE DUAL GLAZED  
W/ NON METAL FRAMES

**ELECTRICAL, MECHANICAL, &  
CEILING LEGEND**

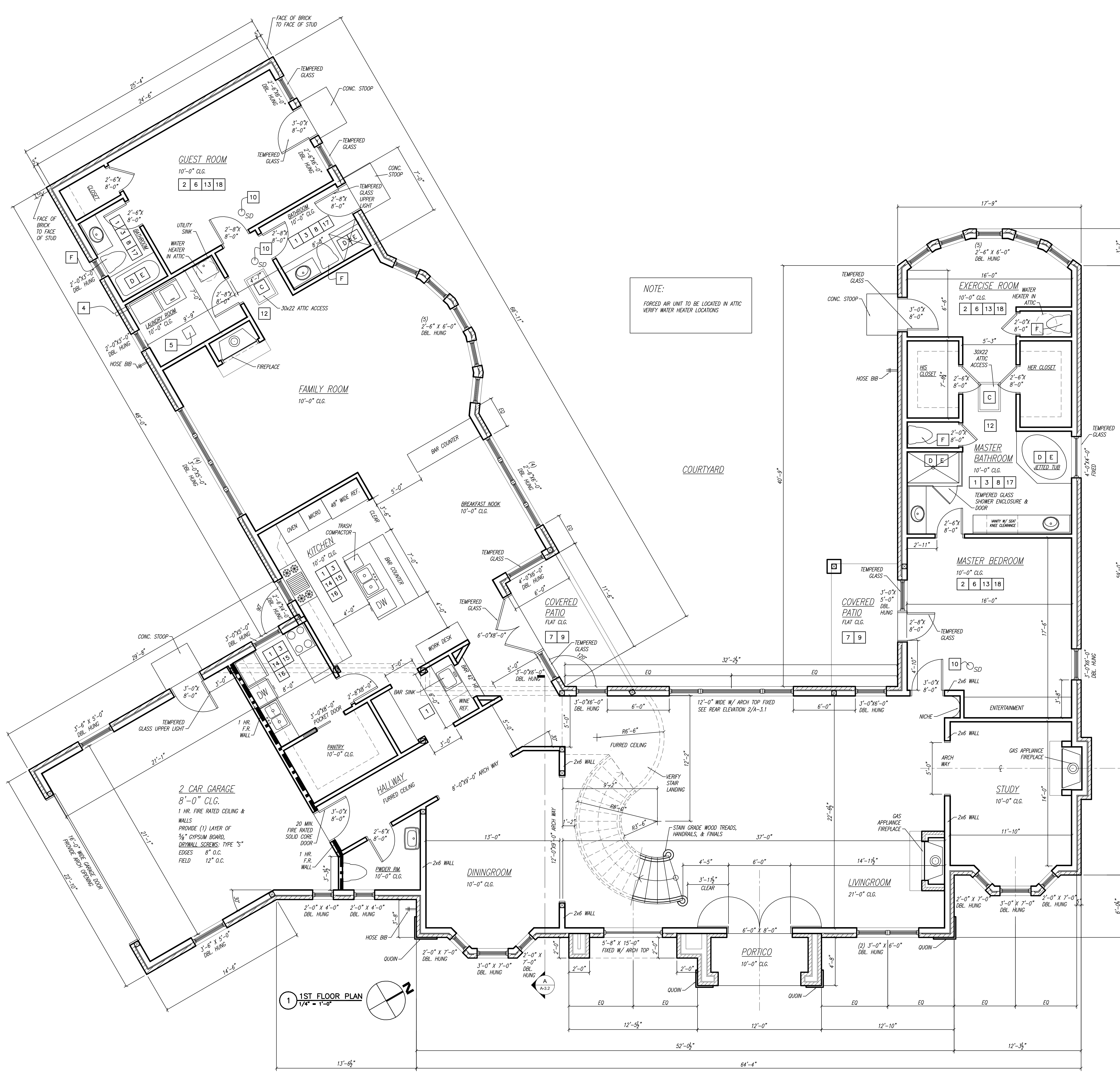
- DUPLEX RECEPT.
- QUAD RECEPT.
- 220 RECEPT.
- GROUND FAULT INTERRUPTED  
OUTLET/ PROTECTED
- ARC FAULT  
CIRCUIT INTERRUPTED OUTLET
- T.V. ANTENNA
- CABLE CONNECTION
- SWITCH
- 2 WAY SWITCH
- POWER
- CEILING FAN
- 6" RECESSED CAN LIGHT
- 4" RECESSED CAN LIGHT
- TELEPHONE
- SMOKE DETECTOR
- EXHAUST FAN  
5 AIR CHANGES PER HOUR
- SURFACE MOUNTED
- WALL MOUNT LIGHT
- AIR REGISTER, HVAC
- VANITY LIGHT & MIRROR
- TRACK LIGHT
- 1x8 (2) TUBE T12  
FLUORESCENT

**KEY NOTES (ELEC. MECH.):**

- 1) ALL ELECTRIC RECEPTACLES IN BATHROOMS & KITCHENS TO BE (GFI) GROUND FAULT INTERRUPTED - PROTECTED
- 2) ALL NEW RECEPTACLES IN BEDROOMS SHALL BE ARC-FAULT CIRCUIT INTERRUPTERS (AFCI) OR TO BE ON BRANCH CIRCUIT EQUIPPED WITH AFCI'S. IN ADDITIONS TO EXISTING BEDROOMS (OR REMODELING) AFCI BREAKERS WILL NOT BE NECESSARY TO BE INSTALLED WHEN AN EXISTING CIRCUIT IS EXTENDED AND THAT CIRCUIT SHARES A NEUTRAL WITH ANOTHER CIRCUIT AND THE LOAD CENTER SERVING THAT CIRCUIT WILL NOT ACCOMMODATE AN AFCI BREAKER. ALL BRANCH CIRCUITS THAT SUPPLY 125 VOLT SINGLE PHASE 15 AND 20 AMPERE RECEPTACLES INSTALLED IN DWELLING UNIT BEDROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER
- 3) FLUORESCENT LIGHTING IN KITCHEN AND IN BATHROOMS TO HAVE AT LEAST 40 LUMENS PER WATT
- 4) DRYER VENT TO OUTSIDE AIR
- 5) MAKE UP AIR FOR DRYER
- 6) ELECTRICAL WALL OUTLETS SHALL BE LOCATED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6'-6" FROM AN OUTLET (INCLUDES FIXED PANELS FOR SLIDING GLASS DOORS) WALL SPACE INCLUDES ANY SPACE 2'-0" OR WIDER, FIXED PANELS IN EXTERIOR WALLS, FIXED ROOM DIVIDERS, (EX. FREESTANDING BAR TYPE COUNTERS, GUARD WALLS, ETC.)
- 7) ELECTRICAL EXTERIOR OUTLETS SHALL ALSO BE PROVIDED AT THE FRONT AND REAR OF ALL DWELLINGS AT GRADE LEVEL NOT MORE THAN 6'-6" ABOVE GRADE. ALL EXTERIOR OUTLETS TO WEATHER PROTECTED
- 8) PROVIDE A DEDICATED 20 AMP CIRCUIT FOR THE BATHROOMS
- 9) A WALL SWITCH CONTROLLED LIGHT SHALL BE PROVIDED ON THE EXTERIOR SIDE OF ENTRANCES AND EXITS
- 10) HARD WIRED SMOKE DETECTORS LOCATED IN EACH SLEEPING ROOM AND IN THE CORRIDOR OR AREA GIVING ACCESS TO EACH SEPARATE SLEEPING AREA. SMOKE DETECTORS MUST BE LOCATED ON EACH FLOOR LEVEL AND IN THE BASEMENT. IN DWELING UNITS WHERE THE CEILING HEIGHT OF A ROOM OPEN TO THE HALLWAY SERVING THE BEDROOMS EXCEEDS THAT OF THE HALLWAY BY 24" OR MORE, SMOKE DETECTORS MUST BE INSTALLED IN HALLWAY AND IN THE ADJACENT ROOM. "SMOKE DETECTORS SHALL SOUND AND AUDIBLE SOUND AN AUDIBLE ALARM IN ALL SLEEPING AREAS OF THE DWELLING UNIT IN WHICH THEY ARE LOCATED. THEY SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND BE EQUIPPED WITH BATTERY BACK UP
- 11) PROVIDE BATTERY OPERATED SMOKE DETECTORS AT ALL EXISTING AREAS, LOCATION PER ABOVE
- 12) FORCED AIR UNIT (FAU) PROVIDE THE FOLLOWING FOR FAU LOCATED IN ATTIC: A MIN. 24" WIDE SOLID FLOOR PASSAGE FROM CEILING ACCESS TO THE CONTROL SIDE OF THE FAU, A PERMANENTLY WIRED ELECTRICAL OUTLET AND LIGHT FIXTURE FOR THE FAU, LIGHT TO BE SWITCHED AT THE ACCESS OPENING, FAU TO BE HARD WIRED WITH SWITCH DISCONNECT.
- 13) FAU TO PROVIDE REQUIRED MIN. 72 DEG. TEMPERATURE HEATING IN ALL HABITABLE ROOMS
- 14) PROVIDE HIGH EFFICACY (E.G. FLUORESCENT) IN ALL PERMANENT LIGHTING CONTROLS; HIGH EFFICACY IN KITCHENS; HIGH EFFICACY OR MANUAL ON / MOTION SENSOR FOR EXTERIOR LIGHTS; HIGH EFFICACY OR DIMMER IN OTHER LIGHTING; AIRTIGHT CAN LIGHTS (MANDATORY)
- 15) LUMINAIRES THAT ARE RECESSED INTO INSULATED CEILINGS MUST BE APPROVED FOR ZERO CLEARANCE INSULATION COVER (IC) AND CERTIFIED AIR TIGHT TO ASTM E283 AND LABELED AS AIR TIGHT (AT)
- 16) PROVIDE A MINIMUM OF TWO 20 AMP SMALL APPLANCE CIRCUITS SERVING THE COUNTERS IN THE KITCHEN
- 17) RECESSED LIGHTING ABOVE TUBS AND SHOWERS ARE TO BE APPROVED FOR DAMP/WET LOCATIONS
- 18) PROVIDE LISTED FIXTURE BOXES OR SUPPORT FOR THE CEILING FANS

**KEY NOTES (FLOOR PLAN):**

- A) GLASS TO BE TEMPERED SAFETY GLAZING IF LOCATED WITHIN IN 24" OF DOORS
- B) EXTERIOR DOORS OPENING OUT SHALL BE PROVIDED WITH A LANDING THAT IS 1" MAX. BELOW INSIDE FLOOR SURFACE
- C) ATTIC ACCESS, MIN 22"x30", W/ 30" MIN. HEADROOM
- D) SHOWER AND TUB WALLS ARE TO BE FINISHED WITH A SMOOTH NON ABSORBANT SURFACE TO A MIN OF 70" ABOVE DRAIN INLET
- E) SHOWERS AND TUBS SHALL BE PROVIDED WITH INDIVIDUAL CONTROLS OF THE PRESSURE BALANCE TYPE OR THE THERMOSTATIC MIXING VALVE TYPE
- F) WATER CLOSETS SHALL BE AN ULTRA LOW FLUSH TYPE WITH 1.6 GALLONS PER FLUSH
- G) 1 HR. FIRE RATED PROTECTED, 5/8" TYPE "X" GYPSUM BOARD FINISH @ INTERIOR OF ENCLOSED USABLE SPACE UNDER STAIRS



NOTE:  
FORCED AIR UNIT TO BE LOCATED IN ATTIC  
VERIFY WATER HEATER LOCATIONS

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

1ST FLOOR PLAN

DRAWING TITLE:

DRAWN BY:  
GREG GUERIN  
DATE:  
04/21/07  
PROJECT #:  
103  
SHEET #:  
(2 OF 8)

APPLICANT:  
Custom Home  
Irving, TX 75060

A-1