FOUNDATION NOTES:

A. SEE FOUNDATION PLAN FOR LOCATIONS OF BEAMS, BELLBOTTOMS, DROPS, ETC. THE CONTRACTOR SHALL VERIFY OVERALL DIMENSIONS AND PLUMBING LOCATION PRIOR TO POURING CONCRETE.

B. ALL FOUNDATION EXCAVATION TO BE CARRIED TO UNDISTURBED MATERIAL OR PLACED IN APPROVED ENGINEERED FILL. EXCAVATIONS SHALL BE FREE OF LOOSE MATERIAL AND WATER.

C. OVER EVACUATION OF MATERIALS SHALL BE BACKFILLED WITH CONCRETE.

D. ALL BACKFILL AROUND FOOTINGS, BEHIND WALLS AND UNDER SLABS SHALL BE COMPACTED.

E. BACKFILLS AGAINST FOUNDATION WALLS WILL NOT BE PERMITTED UNTIL THE WALL HAS REACHED 28 DAY STRENGTH AND ALL SUPPORTING STRUCTURE IS IN PLACE.

F. STEP FOOTING AT A RATIO OF ONE VERTICAL TO TWO HORIZONTAL, WITH A MAXIMUM VERTICAL STEP OF 2'-0" UNLESS NOTED OTHERWISE.

G. WATERPROOFING OF FOUNDATIONS AND RETAINING WALLS SHALL BE THE RESPOSIBILITY OF THE OWNER OR CONTRACTOR AND IS NOT THE RESPOSIBILITY OF THE ENGINEER.

H. ANY UNUSAL SITE CONDITIONS (e.g. LOOSE FILL, SUBSURFACE WATER, ETC.) SHALL BE REPORTED TO THE ENGINEER.

I. ALL PIPES THROUGH EXTERIOR GRADE BEAMS SHALL BE SLEEVED. ALL PIPES SHALL BE LOCATED AT MID-DEPTH OF GRADE BEAMS. SIZE OF SLEEVES SHALL NOT EXCEED 1/3 OVERALL DEPTH OF GRADE BEAM. SPACING OF SLEEVES SHALL NOT BE CLOSER THAN 5 DIAMETERS ON THE CENTER.

3. REINFORCING STEEL:

A. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 UNLESS OTHERWISE INDICATED, EXCEPT #3 OR SMALLER MAY BE ASTM A615 GRADE 40.

B. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

C. ALL REINFORCING STEEL SHALL BE ACCURATELY LOCATED AND ADEQUATELY SECURED IN POSITION BEFORE AND DURING PLACEMENT OF CONCRETE.

D. ALL DETAILS OF FABRICATION AND INSTALLATION OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE ACI MANUAL OF STANDARD PRACTICE.

E. LAP REINFORCING BAR SPLICES 40 BAR DIAMETERS, UNLESS OTHERWISE NOTED. (SPLICE REINFORCING STEEL 36" WHEN ALL BARS ARE SPLICED AT ANY ONE POINT).

F. BEND ALL HORIZONTAL BEAM AND WALL BARS 40 BAR DIAMETERS AROUND ALL CORNERS, OR 40 BAR DIAMETERS, SPLICE CORNER BARS, UNLESS OTHERWISE NOTED.

G. PROVIDE VERTICAL AND HORIZONTAL REINFORCING BARS IN CONCRETE AND MASONRY WALLS TO CONFORM TO THE MINIMUM PROVISIONS OF ACI 318, SECTION 14.3, UNLESS OTHERWISE NOTED.

H. PROVIDE THE FOLLOWING MINIMUM CONCRETE COVER OVER REINFORCING STEEL:

2. REINFORCING CONCRETE:

A. REINFORCING CONCRETE SHALL CONFORM TO APPLICABLE REQUIREMENTS OF THE IRC-2015 AND A.C.I. STANDARD 318.

B. ALL CONCRETE USED IN FOUNDATIONS AND SLABS ON GRADE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF NOT LESS THAN 3000 psi.

C. THE MAXIMUM SLUMP SHALL NOT EXCEED 5 INCHES.

D. PROVIDE # 3's @ 16" ON CENTER BOTH WAY IN ALL SLABS ON GRADE, PLACED 1 1/2" DOWN FROM TOP OF SLAB, UNLESS OTHERWISE NOTED.

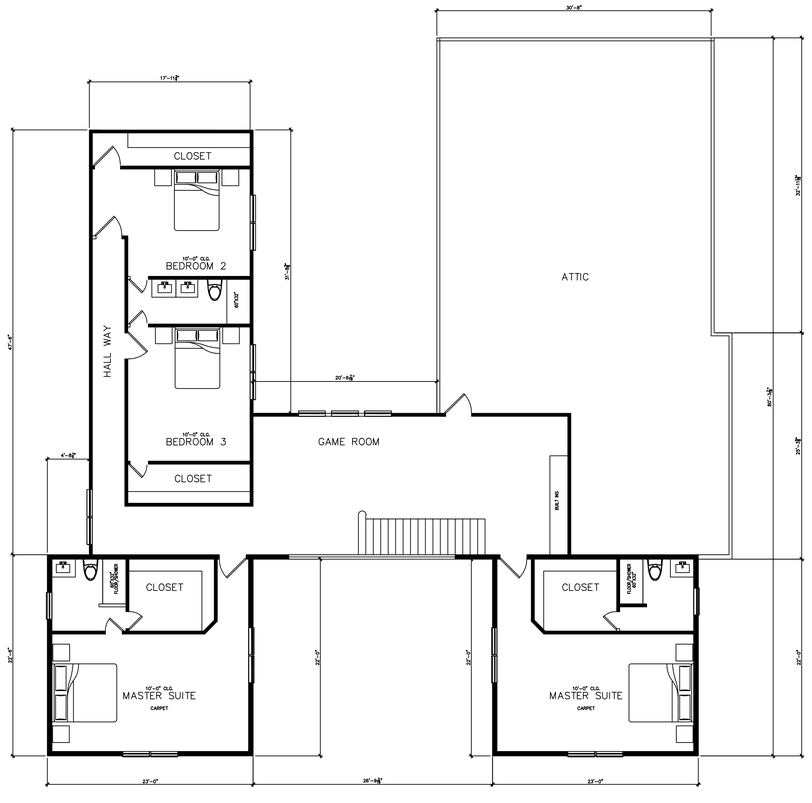
E. PROVIDE WELDED WIRE FABRIC IN FLAT SHEETS, NOT IN ROLLS.

F. PROVIDE CONTROL JOINTS IN ALL EXPOSED SLABS ON GRADE. THE MAXIMUM SPACING OF CONTROL JOINTS SHALL BE 20'-0" O.C., UNLESS OTHERWISE NOTED.

G. POUR SLAB IN STRIP POURS, NOT IN CHECKERBOARD PATTERN.

H. PROVIDE VERTICAL CONTROL JOINTS IN ALL CONCRETE WALLS. THE MAXIMUM SPACING OF CONTROL JOINTS SHALL BE 20'-0", UNLESS OTHERWISE NOTED. CUT ALTERNATE HORIZONTAL REINFORCING BARS, EACH FACE.

I. ADDITIVES CONTAINING CALCIUM CHLORIDE ~~SHALL NOT BE USED.~~



AREA INC
TBPE F-806

R.H. ALVAREZ JR.
REGISTERED
PROFESSIONAL
ENGINEER
53572

A.R.E.A Inc.
P.O. BOX 1232
HOUSTON
TEXAS, 77251

5619 GRANDE GABLES DR
RICHMOND TX 77469

DRAWN BY

06/26/2022

1/8"=1'-0"

A-2.0