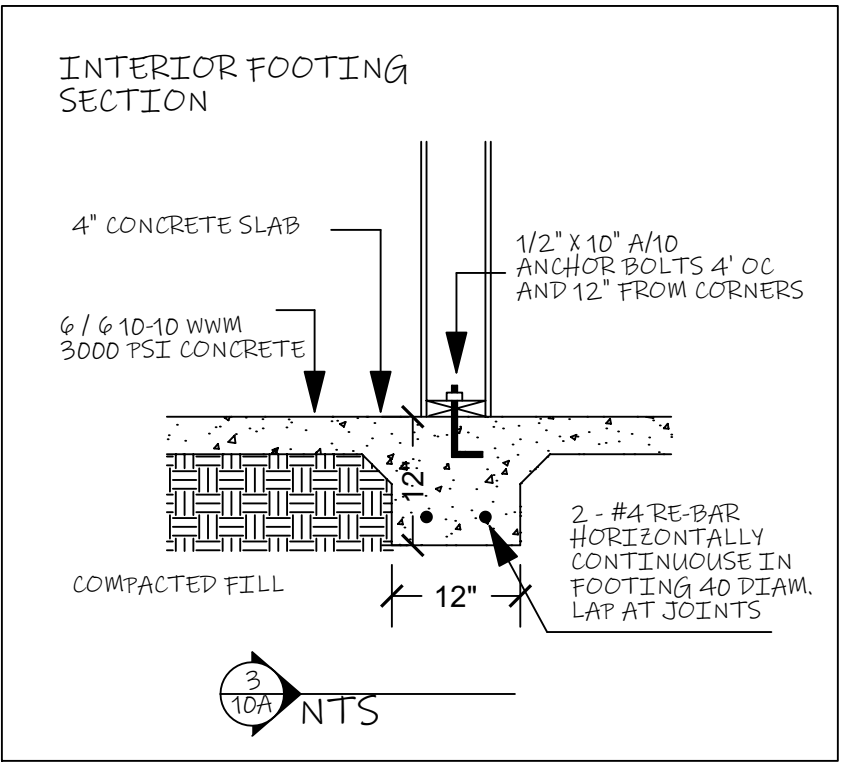
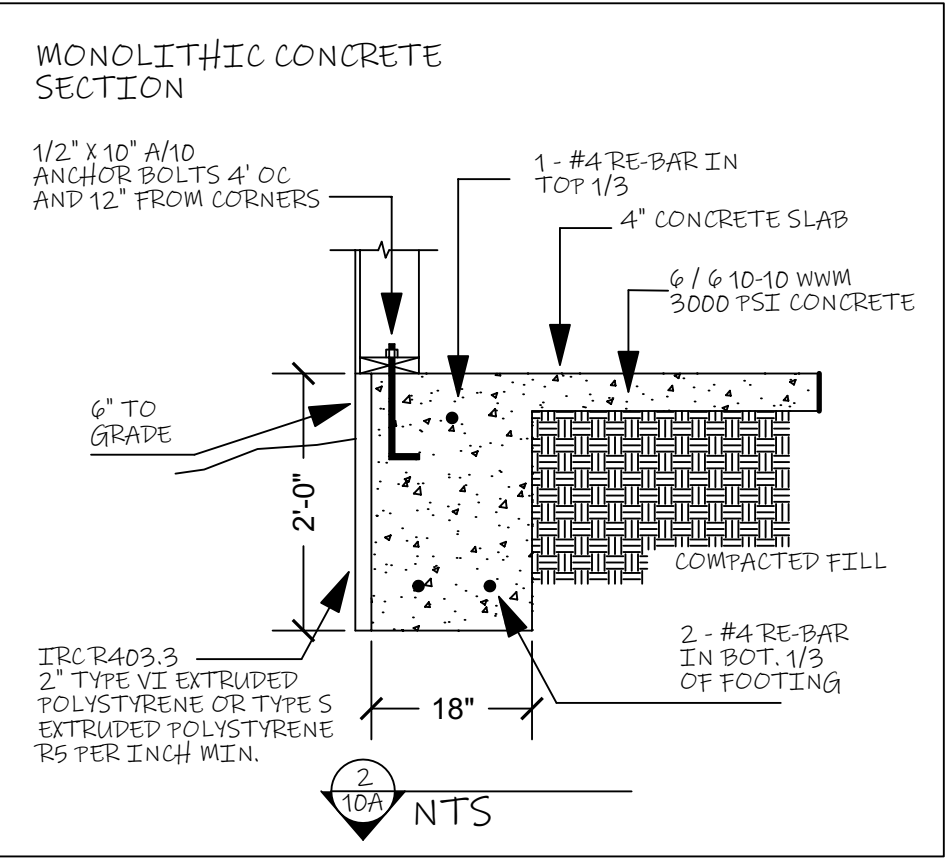
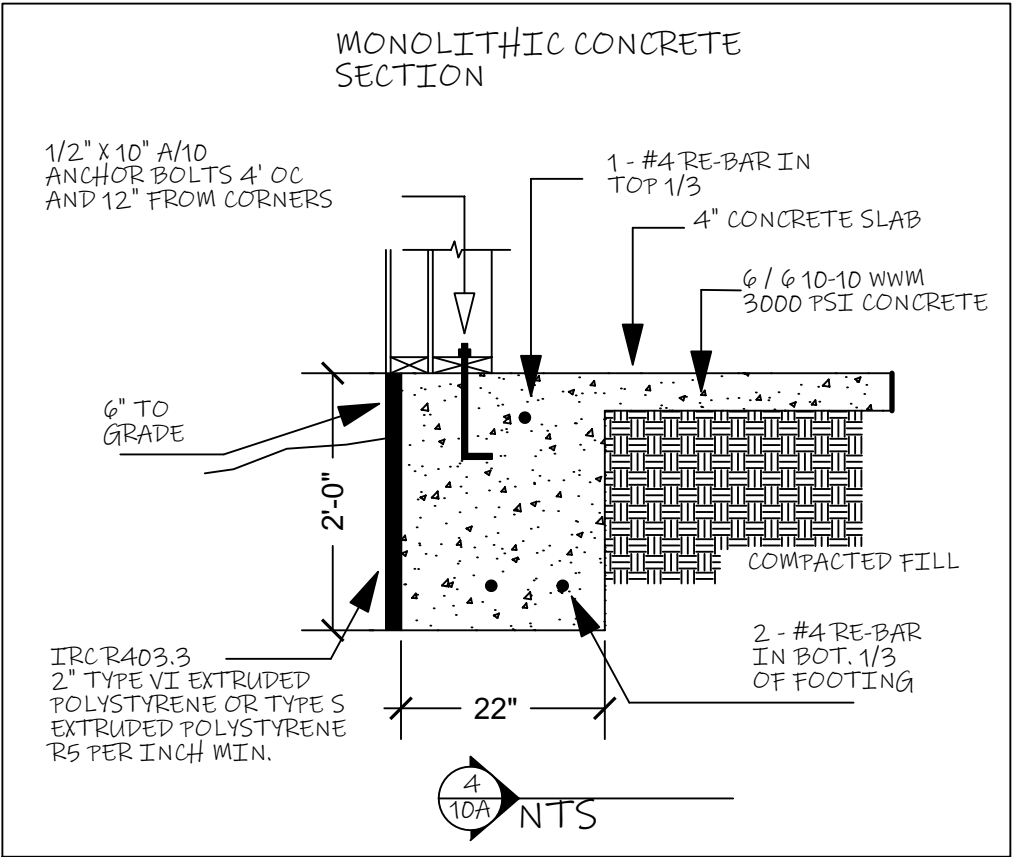




ALL STRUCTURAL STEEL REBAR AND RE-MESH TO BE SPACE IN BOTTOM 1/3 OF SLAB/ FOOTING W/ PLASTIC HIGHCHAIRS



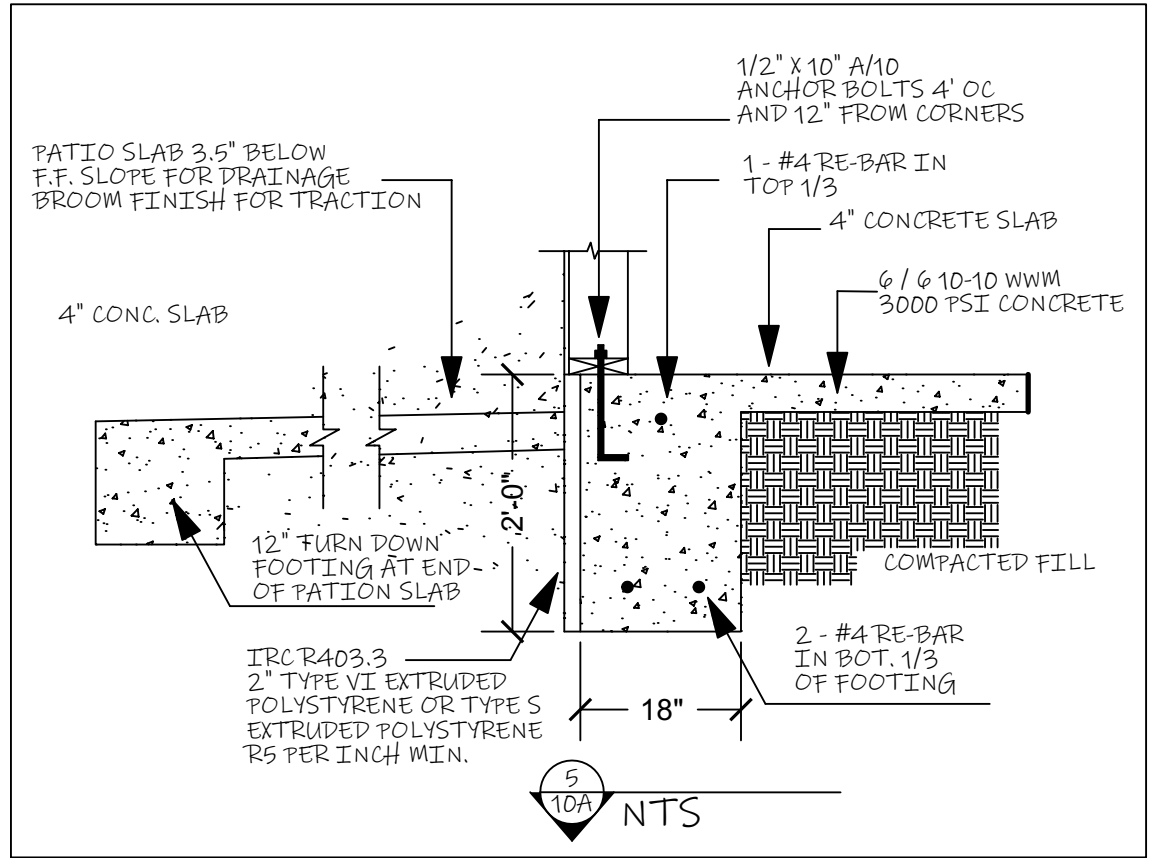
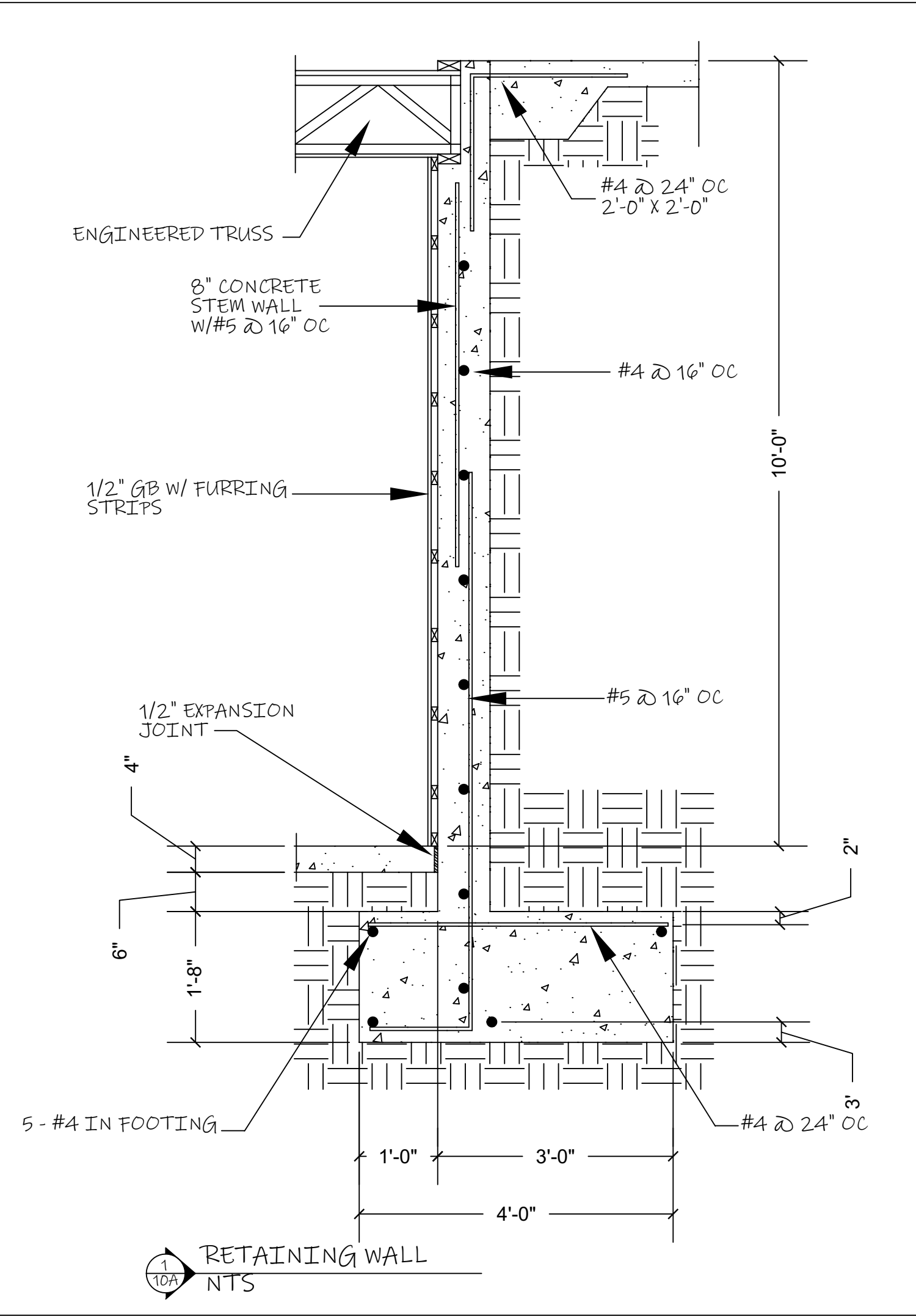
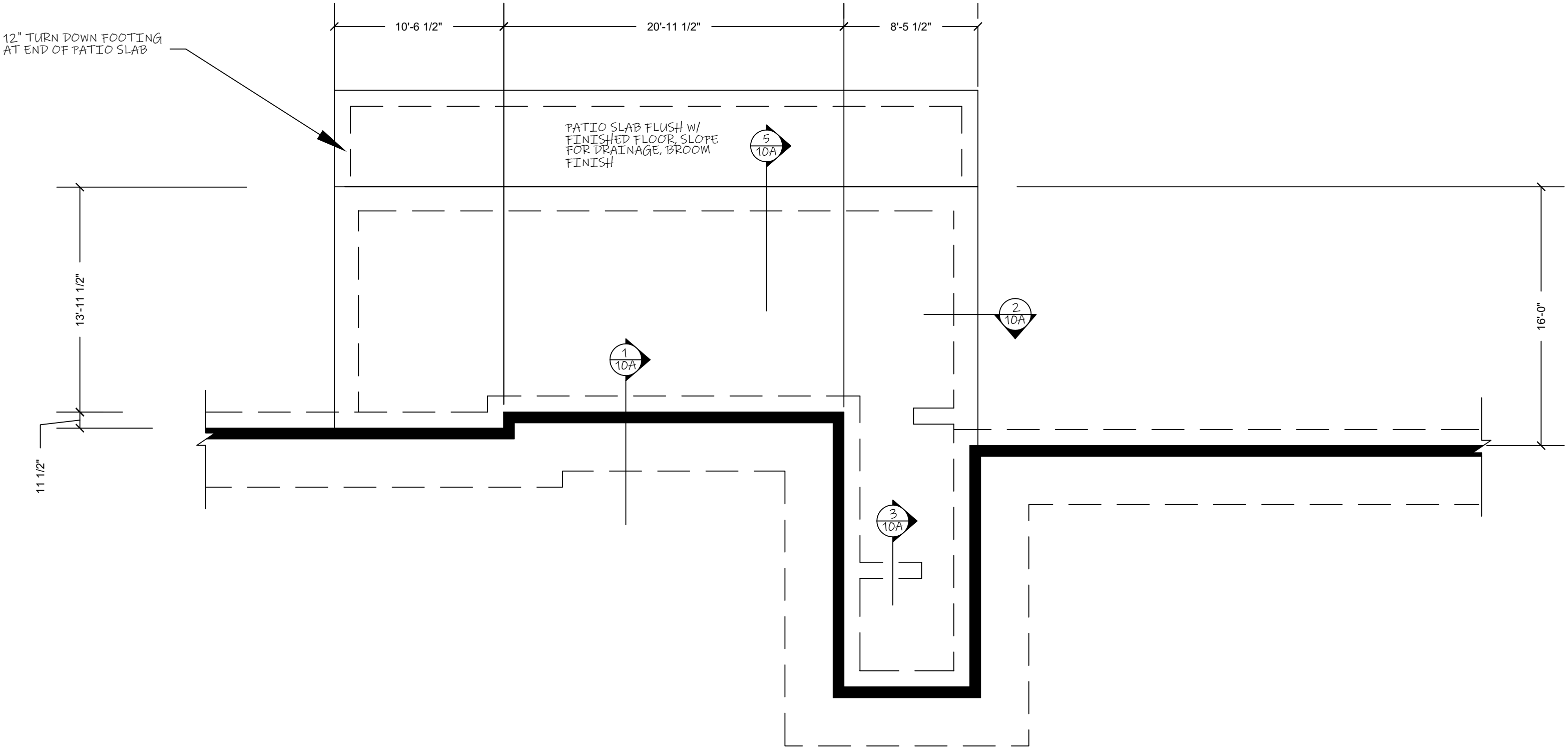
- CONCRETE NOTES
NM 2015 INTERNATIONAL RESIDENTIAL CODE
1. CONCRETE STRENGTH: 3000 PSI MIN. 4" MINIMUM THICK SLAB ON COMPACTED FILL.
 2. ALL FOOTINGS MIN. 15" WIDE 22" THICK WITH AN EXCAVATION DEPTH OF 18" WEST OF SANDIA MOUNTAINS AT ALL EXTERIOR WALLS.
 3. ALL CMU WALLS FOR FOUNDATION TO BE 8" X 8" X 16" MIN. WITH JOINT REINFORCEMENT 16" OC VERTICAL 48" OC MAX
 4. ANCHORING: MIN 1/2" X 10" ANCHOR BOLTS @ 4' OC MAX AND WITHIN 12" FROM END OF PLATE. POWDER ACTIVATED FASTENERS @ 24" OC MAX AND WITHIN 12" FROM END PLATE FOR INTERIOR BEARING SOLE PLATES NOT PERMITTED FOR CMU STEM WALLS.
 5. RE-BAR: 2- #4 RE-BAR CONTINUOUS AT ALL FOOTINGS WITH MIN. 40 DIAM. LAP AT JOINTS. REINFORCEMENT STEEL SECURED IN PLACE MIN. 3" COVERAGE.
 6. INTERIOR LOAD BEARING FOOTINGS: 12" MIN. WIDTH X 12" MIN. DEPTH AT ALL INTERIOR FOOTINGS.
 7. FOUNDATION INSULATION: 2" X 24" R 10.0 AT EXTERIOR PERIMETER OF HEATED SPACE AND AT GARAGE/HOUSE WALL. WOOD FLOORS REQUIRE A MIN. OF R-21 INSULATION. INSULATION SHALL EXTEND FROM TOP OF SLAB 24" DOWN, OR CONTINUE HORIZONTALLY UNDER SLAB FOR A TOTAL OF 24".
 8. UNDER FLOOR CLEARANCE: 18" TO THE BOTTOM OF WOOD JOISTS AND 12" TO THE BOTTOM OF WOOD GIRDERS. PROVIDE A MIN. UNDER FLOOR ACCESS OF 18 X 24" PROVIDE CROSS VENTILATION OF MIN. 1 SQ. FT. OF UNDER FLOOR AREA.
- EXCAVATIONS AND FOUNDATIONS: TO CONFORM TO CHAPTER 10 AND 33. ASCENDING AND DESCENDING SLOPES, CUTS, CUTFILLS. ALL FOOTINGS MUST EXTEND A MINIMUM OF 12" INTO UNDISTURBED SOIL OR A SOIL INVESTIGATION REPORT AND A REPORT OF SATISFACTORY PLACEMENT OF FILL SHALL BE PROVIDED TO PERMIT OFFICE FOR REVIEW AND APPROVAL.

NOTE;
ALL ELECTRODE ENCASED BY AT LEAST 2" OF CONCRETE. LOCATED WITHIN AND NEAR THE BOTTOM OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH. CONSISTING OF AT LEAST 20' OF ONE OR MORE ELECTRICALLY CONDUCTIVE STEEL REINFORCING RE-BAR OF NOT LESS THAN 1/2" DIAM.

R401.3 DRAINAGE
SURFACE DRAINAGE SHALL BE DIVERTED TO A STORM SEWER CONVEYANCE OR OTHER APPROVED POINT OF COLLECTION SO AS TO NOT CREATE A HAZARD. LOT SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE SHALL FALL A MIN. OF 6" WITHIN THE FIRST 10 FEET.

NM 2015 IRC R311.4.3
LANDINGS AT DOORS LEADING TO OUTSIDE. NOTE: MIN. 3" LANDING OUTSIDE OF ALL DOORS LEADING OUTSIDE OF BUILDING. SEE CONCRETE PLAN FOR EXACT LOCATIONS.

NOTE;
TYPICAL AT ALL EXTERIOR FOOTINGS 18" DEPTH BELOW GRADE 6" ABOVE GRADE. 24" TOTAL FOOTING FROM TOP OF SLAB TO BOTTOM OF FOOTING.



REFER TO STRUCTURAL CALCULATION AND DESIGN DONE BY ENGINEER GEORGE KNIPPRATH FOR RETAINING WALL, BEAMS, AND SHEAR WALLS.

FOUNDATION

SCALE: 3/16" = 1'-0"

2 G DESIGN
4520 LOWER TERRACE CIRCLE NE
ALBUQUERQUE, NM. 87111
505-362-2009

APRIL 5, 2021

FOUNDATION

AKASH & NIKI PATEL
CUSTOM HOME
ALBUQUERQUE, NM.

SHEET

10A

OF 10 SHEETS