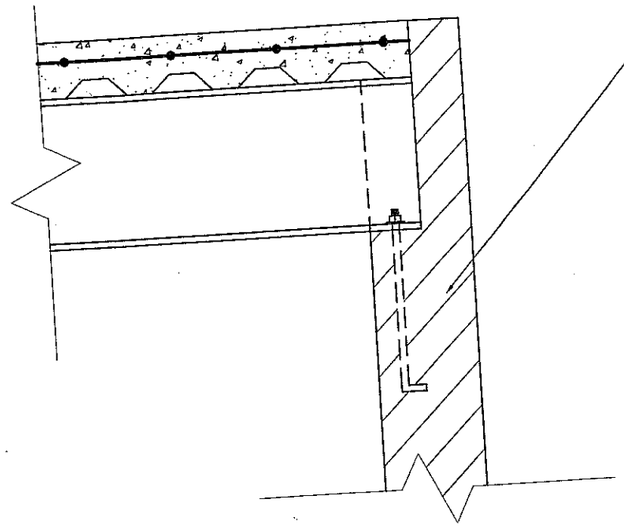
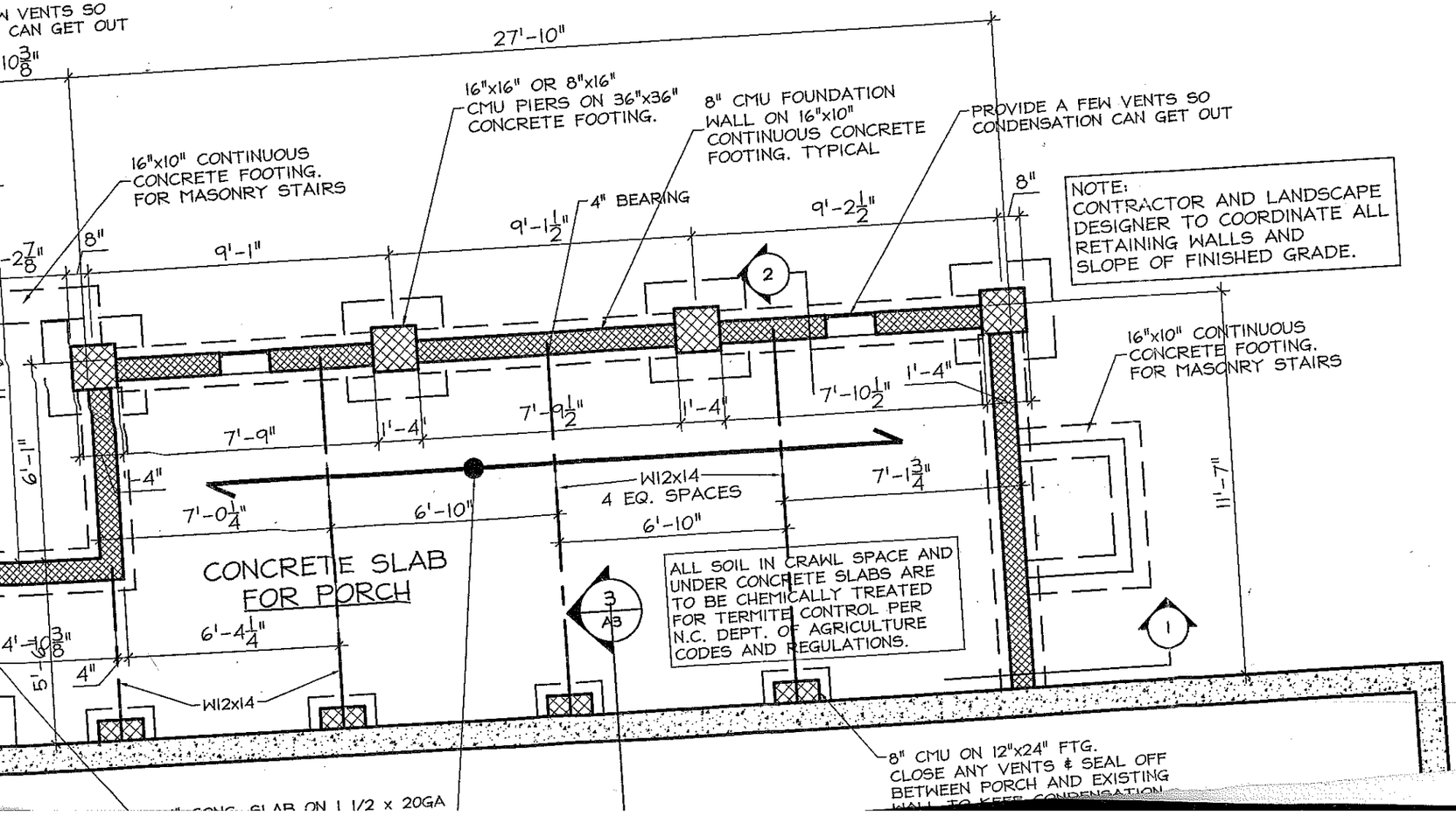


2 STRUCTURAL DETAIL

SCALE: 1"=1'-0"



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House Plan Design

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FOUNDATION RESIDENTIAL PLAN NOTES:

1) DESIGN SOIL BEARING PRESSURE IS ASSUMED TO BE 2000 PSF.

2) FLOOR, ROOF, WIND AND EARTHQUAKE DESIGNS ARE IN ACCORDANCE WITH THE 2000 INTERNATIONAL RESIDENTIAL CODE.

3) FOOTINGS TO BE A MINIMUM OF 10" x 20" UNLESS NOTED OTHERWISE.

4) FOOTING SIZES FOR PIERS ARE AS FOLLOWS: 8"x16" PIER USE 30"x30"x10" FOOTING, 12"x16" PIER USE 30"x30"x10" FOOTING, AND 16"x16" PIER USE 36"x36"x12" FOOTING UNLESS NOTED OTHERWISE.

5) INTERIOR PIERS TO BE 8"x16" CMU CAPPED WITH 4" OF SOLID MASONRY ON ONE STORY STRUCTURES OR 8" ON TWO STORY STRUCTURES UP TO 32" HIGH. ALL PIERS OVER 32" HIGH MUST BE FILLED WITH TYPE S MORTAR. MAXIMUM HEIGHT FOR 8"x16" FILLED PIERS IS 6'-8". USE 12"x16" PIERS 6'-8" TO 10'-0" HIGH AND 16"x16" PIERS 10'-0" TO 13'-4" HIGH.

6) CHIMNEY FOOTINGS SHALL BE 12" LARGER THAN FOOTPRINT x 12" THICK.

7) CONCRETE SHALL BE 3000 PSI @ 28 DAYS UNLESS NOTED OTHERWISE.

8) CONCRETE EXPOSED TO WEATHER SHALL BE 4000 PSI @ 28 DAYS WITH 4 - AIR ENTRAINMENT U.N.O.

MORTAR : ASTM C270 TYPE S

PROVIDE SOLID OR GROUTED SOLID MASONRY BEARING 2 COURSES x 16 HES WIDE BELOW ALL MICROLLAM/PARALLAM(LVL/PSL), LINTEL, AND BEAM ARING POINTS.

RE-BAR SPLICES SHALL BE A MINIMUM OF 36 INCHES U.N.O.

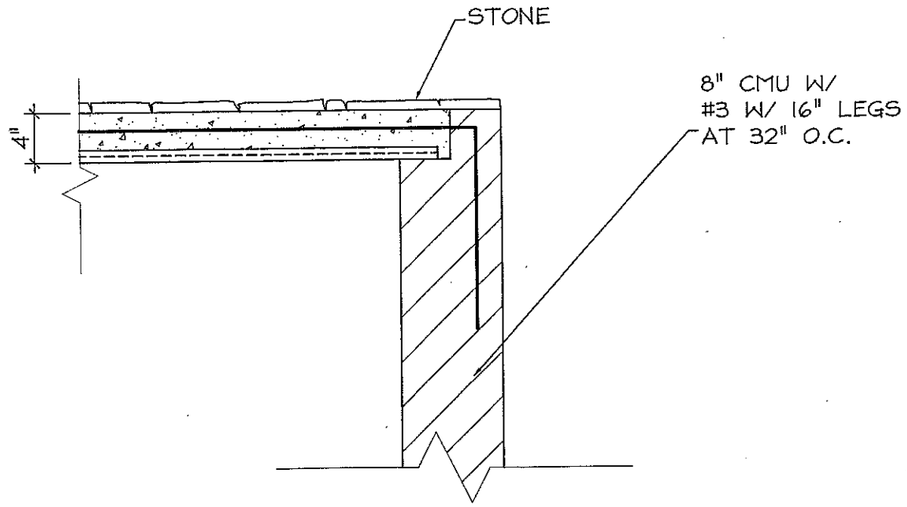
) FIBERMESH IS NOT A SUBSTITUTE FOR WELDED WIRE FABRIC(W.W.F.)

) SEE PLANS FOR BASEMENT WALL REINFORCING AND DESIGN.

) SEE PLANS FOR RETAINING WALL REINFORCING AND DESIGN.

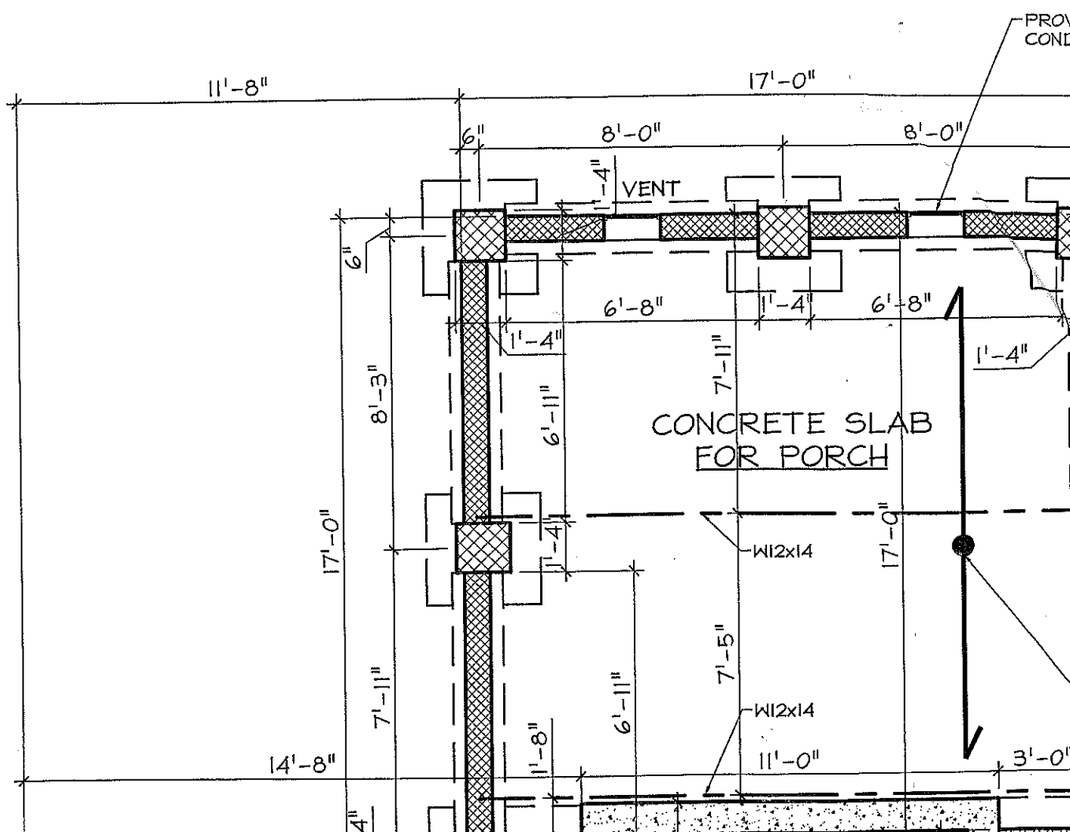
) DEVIATION FROM THE STRUCTURAL REQUIREMENTS OF THESE PLANS ITHOUT CONSULTING WITH THE ENGINEER IS PROHIBITED AND THEREBY ELEASES THE ENGINEER FROM ANY RESPONSIBILITY.

6) ALL SOIL IN CRAWL SPACES AND UNDER SLABS IS TO BE CHEMICALLY REATED FOR TERMITE CONTROL PER. N.C. DEPARTMENT OF AGRICULTURE CODES & REGULATIONS.



1 STRUCTURAL DETAIL

SCALE: 1"=1'-0"



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- 8"x16" C.M.U. FOUNDATION SEE PLAN FOR CONCRETE FOOTING SIZE

BETWEEN PORCH AND EXISTING

STONE VENEER TIES, IF STRAND WIRE, SHALL NOT BE LESS THAN No.9 U.S. GA. WIRE AND SHALL HAVE A HOOD EMBEDDED IN MORTAR, OR IF SHEET METAL, NOT LESS THAN No.22 GA. BY 7/8" (22mm) CORRUGATED. EA. TIE SPACED NOT MORE THAN 24" O.C. HORIZ. & SHALL SUPPORT NOT MORE THAN 3- SQUARE FEET (0.302 m2) OF WALL AREA.

STONE / STUCCO PER. OWNERS SPECS.

7/16" OSB EXTERIOR GRADE SHEATHING W/ HOUSE WRAP PER. BUILDERS SPECS.

1/2" EXPANSION JOINT.

4" THICK SLAB

4"

4"

DIMINSION VARIES PER. GRADE

8d @ 2" O.C.

WEEP HOLES @ 32" O.C.

2x6 P.T. SILL PLATE W/ 1/2" DIA. A-BOLT @ 48" O.C. W/ 7" EMBEDMENT INTO CMU

8"x16" CMU

SEE PLAN FOR 2X_ SIZES. 16" O.C. TYPICAL @ ALL EXTERIOR STUD WALLS

R-13 FIBERGLASS BATT INSULATION EXTERIOR WALLS (TYP.)

1/2" GYPSUM BOARD (TYP.) ON ALL WALLS

BASE BOARD PER. BUILDERS SPECS.

3/4" T&G UNDERLAYMENT

CONT. RIM BOARD

R-30 FIBERGLASS BATT INSULATION FLOOR (TYP.)

SEE PLAN FOR JOIST SIZE & SPECS.

FLASHING

8" C.M.U. WALL

24" MINIMUM

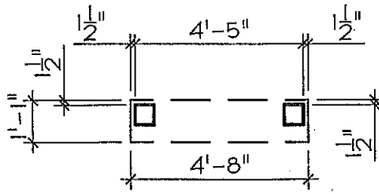
GRADE

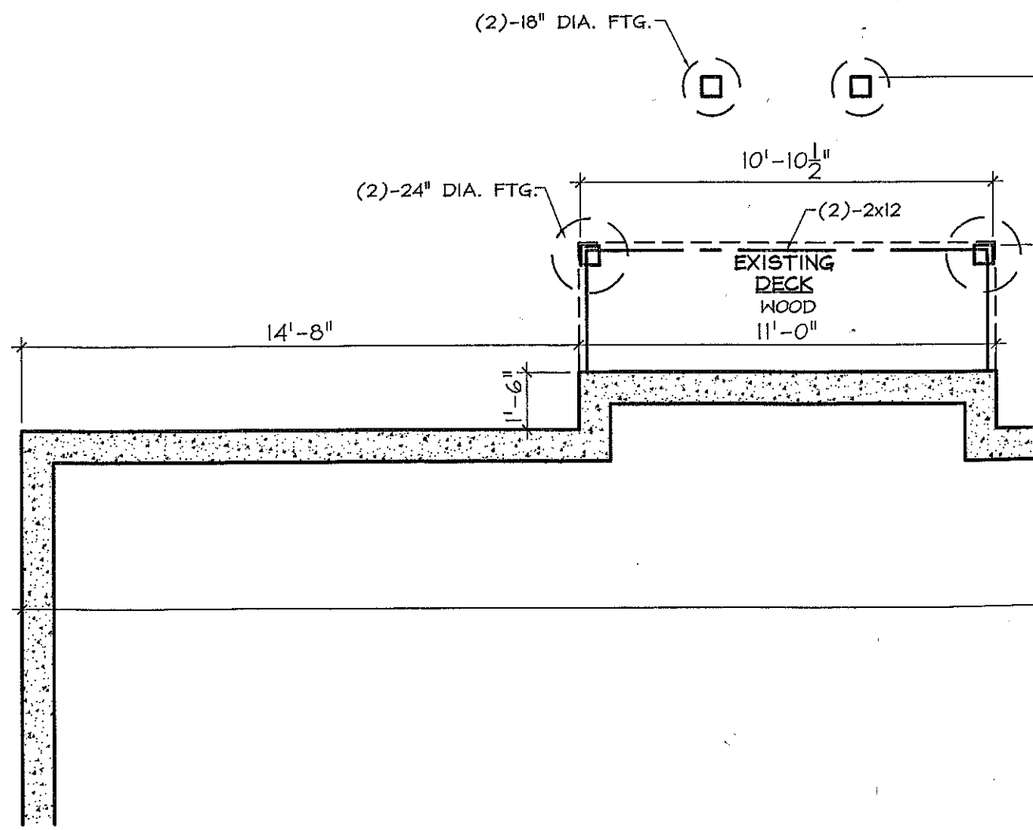
SEE PLAN FOR FOOTING SIZE & SPECS.

CRAWL SPACE W/ 8" C.M.U. W/ CULTURED STONE

TYPICAL MAIN FLOOR @ CONCRETE PORCH FOUNDATION DETAIL

3



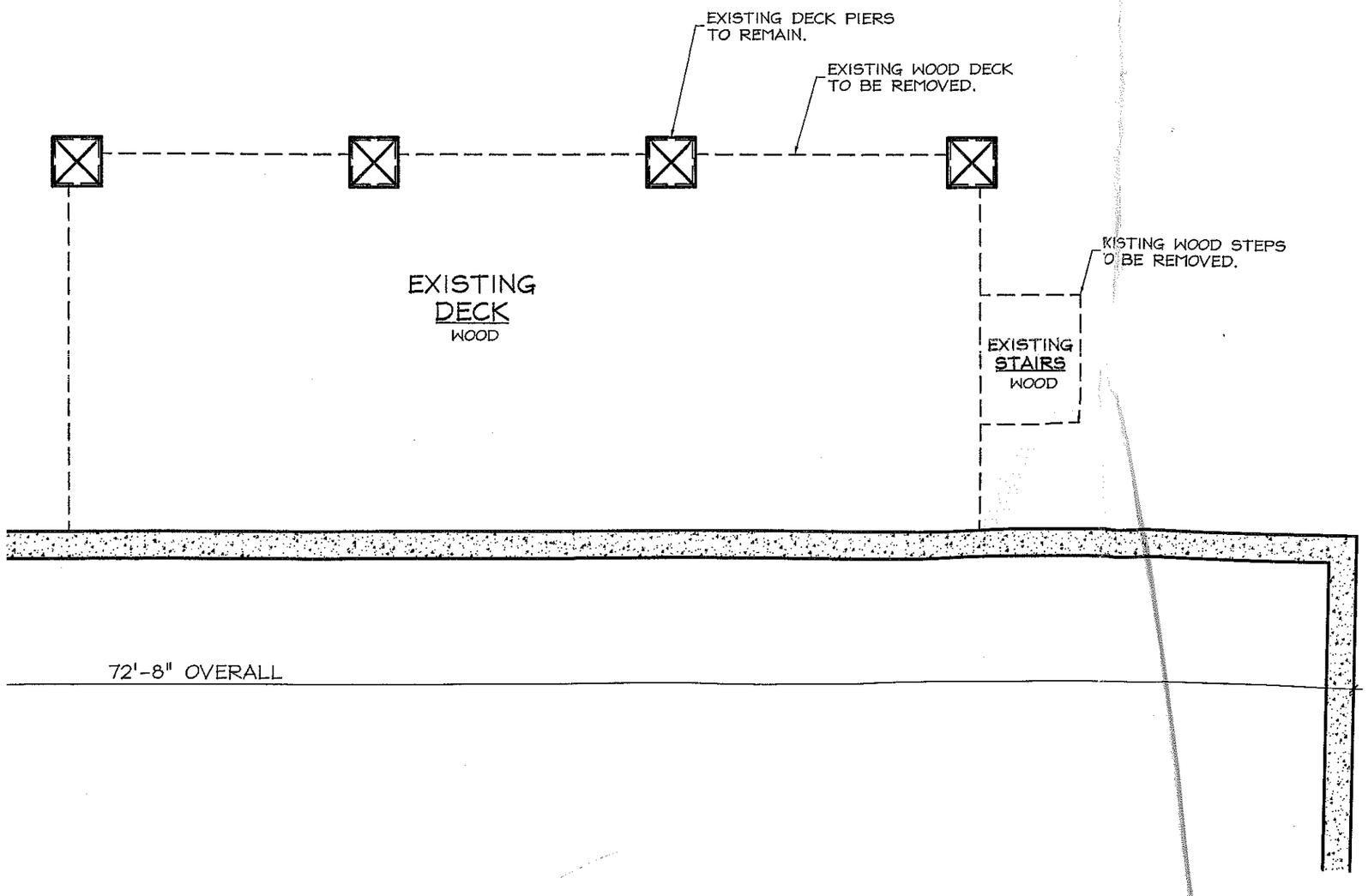


72'-8" OVERALL

FROM ENTERING CRAWL SPACE

2 / A3 NEW FOUNDATION PLAN

1/4"=1'-0"



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168 Dedham Loop
Mooresville, NC 28117

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