

STRUCTURAL NOTES:

- 1) CONCRETE: ALL CONC. FOR FOUNDATIONS & SLABS ON GRADE SHALL REACH 2500 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS, AND ALL COLUMNS, GROUTED CELLS, SLABS ABOVE GRADE AND TIE BEAMS SHALL REACH 3000 P.S.I. MIN. COMPRESSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE NOTED
- 2) WOOD: ALL LUMBER SHALL HAVE A MINIMUM FIBER BENDING STRENGTH OF 1,000 P.S.I. ALL LUMBER IN CONTACT WITH CONC. SHALL BE PRESSURE TREATED AND HAVE A MIN. FIBER BENDING STRENGTH OF 1,200 P.S.I.
- 4) STEEL CONNECTIONS:
ALL STEEL CONNECTIONS SHALL HAVE MINIMUM COVER ON NON-PRESTRESSED STEEL: CAST AGAINST & FERM. EXPOSED TO EARTH @ 3"± EXPOSED TO EARTH OR WEATHER, #5 BARS OR SMALLER @ 1-1/2"± #6 BARS OR LARGER @ 2"± NOT EXPOSED TO WEATHER OR GROUND CONTACT, (SLABS, WALLS, OR JOIST) #11 BARS OR SMALLER @ 3/4", (BEAMS, GIRDERS, OR COLUMNS) @ 1-1/2".
MIN. HORIZ. CLEAR DISTANCE BETWEEN BARS IN A LAYER:
BEAMS: MAX. OF ONE BAR DIA. OR 1"
WALLS: MAX. OF ONE BAR DIA. OR 1"
MIN. VERT. CLEAR DISTANCE BETWEEN BARS IN A LAYER:
BEAMS: 1"
MAX. REBAR SPACING (CLEAR DISTANCE) WALLS & SLABS: MIN. OF 3 TIMES THE WALL OR SLAB THICKNESS, OR 18".
MIN. SPLICE TENSION LAP LENGTH IS 12"
SPLICES FOR TIE BEAM REINFORCEMENT SHALL BE A MIN. OF 36 BAR DIAMETER OR 18", WHICHEVER IS GREATER.
SPLICES FOR COLUMN REINFORCEMENT SHALL BE 48 BAR DIA.
- 5) MASONRY: ALL CONC. MASONRY UNITS SHALL HAVE A MINIMUM STRENGTH OF $F_m = 1,300$ P.S.I. AND SHALL COMPLY WITH WITH A.S.T.M. C-90. ALL MORTAR TO BE TYPE 'S' OR BETTER AND COMPLY WITH A.S.T.M. C-270. GROUT FOR FILLING CELLS SHALL CONFORM TO A.S.T.M. C-476 WITH A SLUMP OF 9" ± 1".

NOTE: ALL REINF. STEEL TO BE A.S.T.M. 615 GRADE 60.

DENSITY TEST TO VERIFY MIN. 95% DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH METHODS OF TEST FOR MOISTURE DENSITY RELATIONS OF SOILS, ASTM D 1557 MODIFIED TO USE 25 BLOWS ON FIVE LAYERS WITH A 10-POUND HAMMER DROPPING 18 INCHES. IN ADDITION, A MINIMUM OF ONE IN-PLACE FIELD DENSITY TEST SHALL BE PERFORMED FOR EACH 2500 SQ FT, OR FRACTION THEREOF, FOR EACH LIFT OF COMPACTED SOIL, AND SUCH TESTING SHALL BE PERFORMED IN ACCORDANCE WITH EITHER ASTM D 1556, STANDARD TEST METHOD FOR DENSITY OF SOIL IN-PLACE BY THE SANDCONE ± OR ASTM D 2922, STANDARD TEST METHODS FOR DENSITY OF SOIL AND SOIL AGGREGATE IN-PLACE BY NUCLEAR METHODS (SHALLOW DEPTH).

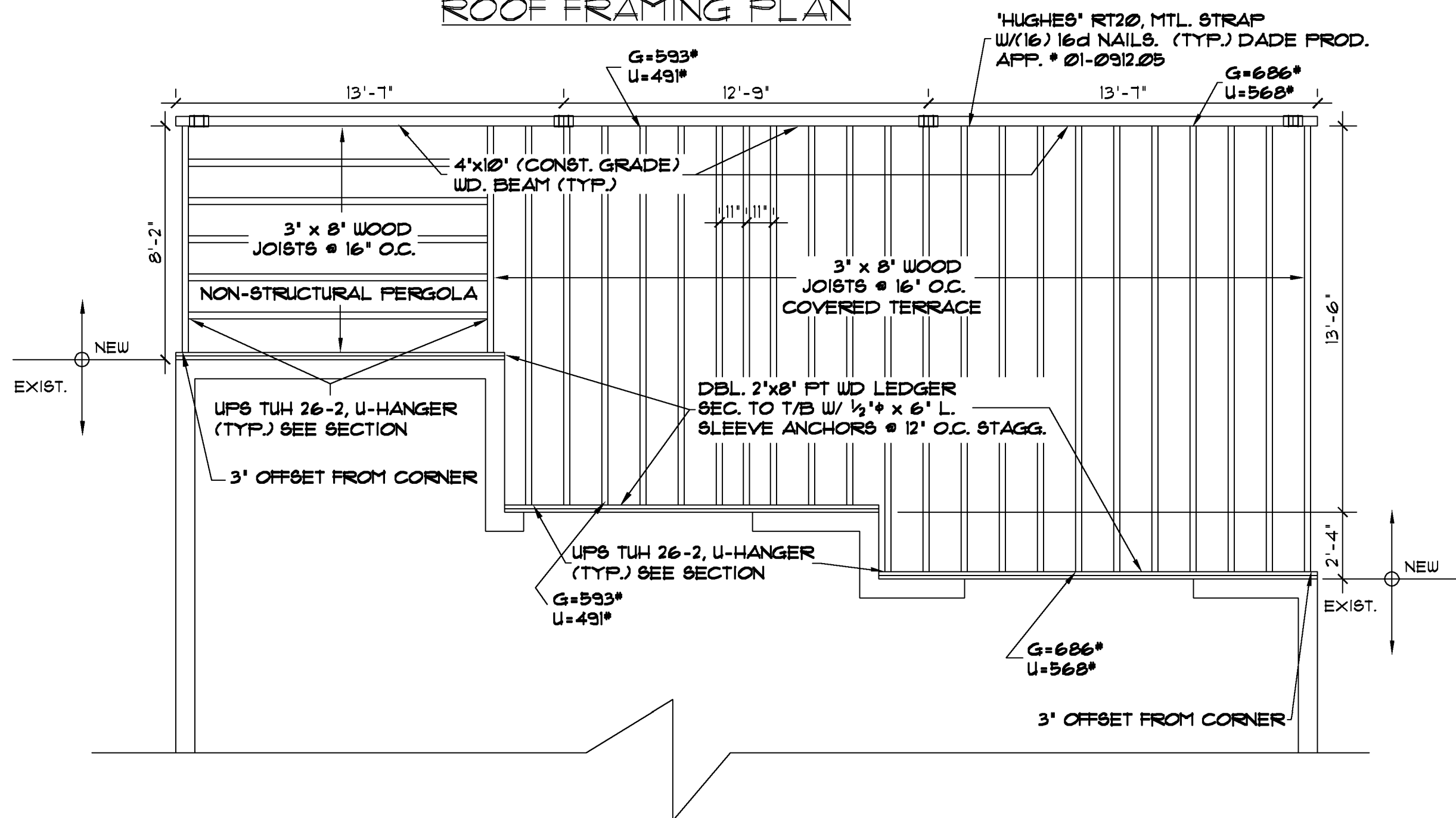
SOIL STATEMENT:

PER VISUAL INSPECTION BY THE ARCHITECT, THE SOIL CONDITIONS AT THIS SITE ARE SAND AND ROCK WITH A MINIMUM BEARING CAPACITY OF 2,000 P.S.F. FOR DESIGN. UPON BRAKING GROUND, A LETTER SHALL BE SUBMITTED BY THE ARCHITECT TO THE BUILDING OFFICIAL VERIFYING AND ATTESTING THAT THE SITE CONDITIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN IS BASED. (2,000 P.S.F.)

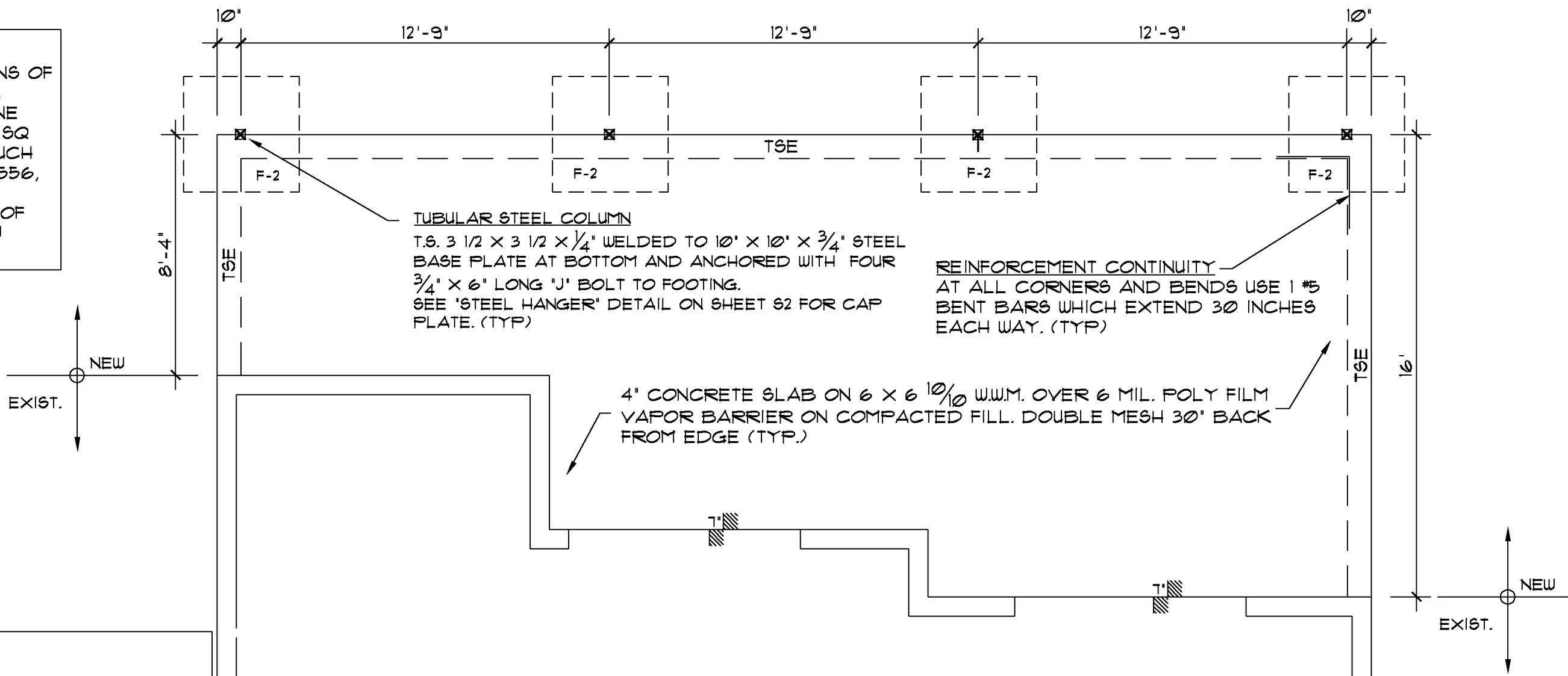
TERMITE PROTECTION

TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION. UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."

ROOF FRAMING PLAN



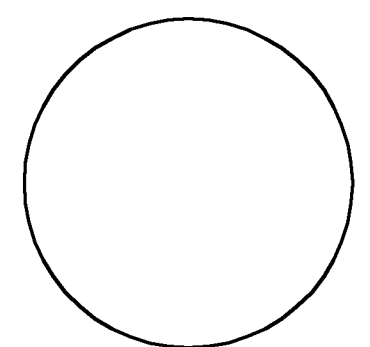
FOUNDATION PLAN



FOUNDATION LEGEND

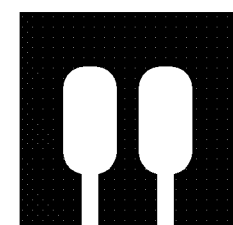
MARK	SIZE	REINFORCEMENT	REMARKS
TSE	8' x 8'	#5 CONT.	THICKENED EDGE
F2	35' x 35' x 36'	4 #5 EACH WAY TOP & BOT.	CONC. PAD FOOTING

STRUCTURAL 1/4" = 1'-0"



MONTEREIN / DE CUN ARCHITECTURE
 12721 SW 99TH AVENUE
 MIAMI, FL 33176
 PHONE 305-264-5242
 ARCHITECT FIRM LIC. AA26001300

PROPOSED ADDITION FOR
 MR. JAMES N. COSTLEY
 9110 SW 162 ST.
 MIAMI, FL 33157



DATE:	2/7/07
DRAWN BY:	G. DE CUN
CAD FILE:	07-COSTLEY
SHEET:	S1