



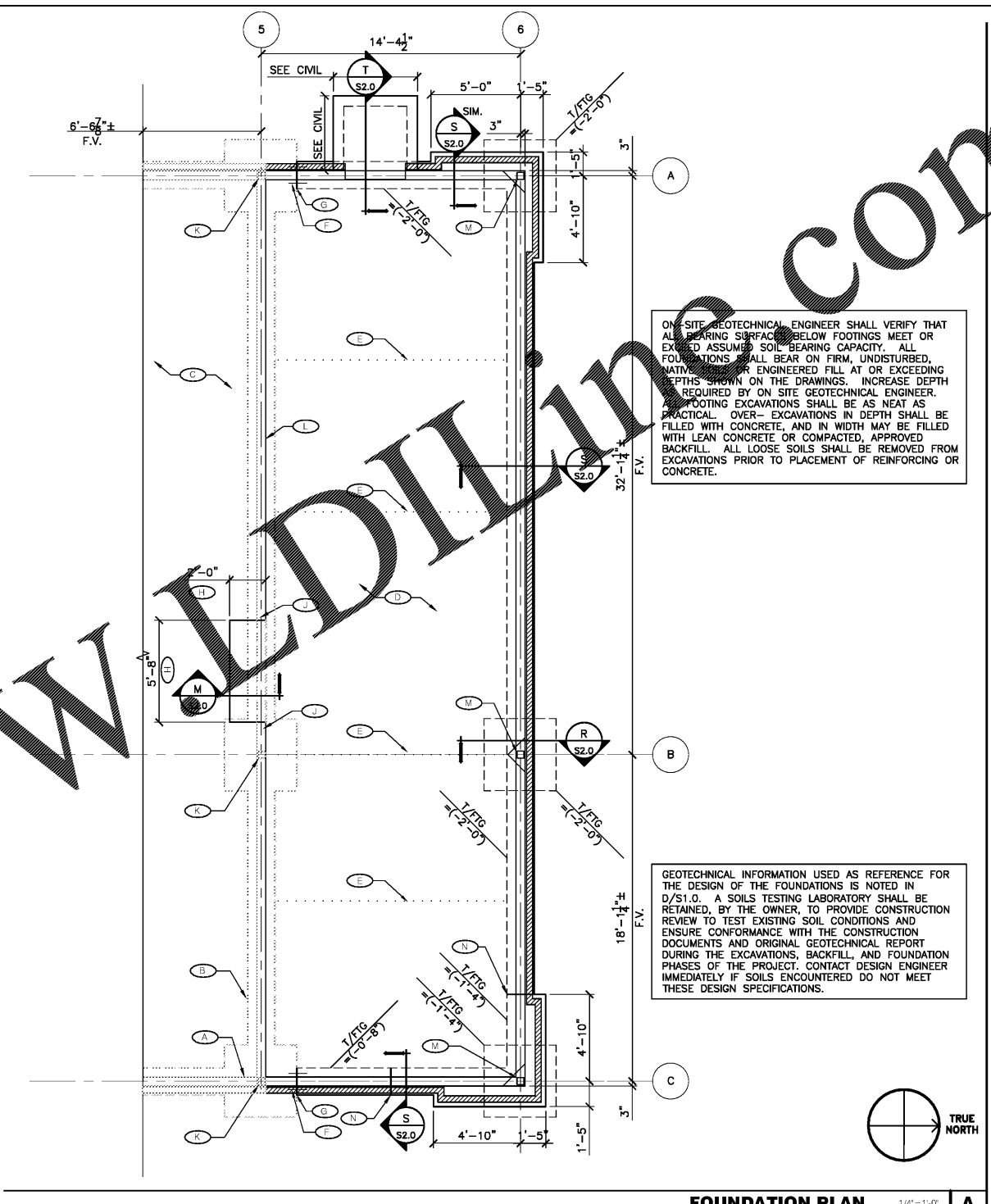
JOHN N. KABAK
Lic. No. 049539
PROFESSIONAL ENGINEER
08/16/17

TEXAS Road House
1570 W. KOGER CENTER DRIVE
RICHMOND, VA 23235

DRAWN BY: JAG
CHECKED BY: JNK
DATE: 05/01/17
REV. DATE DESCRIPTION
1 7/26/17 OWNER CHANGES

The Construction Documents shall consist of all drawings, specifications, surveys, notes, reports, addenda and other documents which are incorporated by reference into these documents as a whole. None of this information or drawings shall be construed as a separate contract. All subcontractors shall be responsible for obtaining the necessary permits and licenses. The Contractor shall be responsible for obtaining the necessary permits and licenses. Any discrepancies or conflicting information brought to the attention of the Architect shall be resolved by the Architect.

SHEET TITLE
FOUNDATION & ROOF FRAMING PLANS
S1.0



ON-SITE GEOTECHNICAL ENGINEER SHALL VERIFY THAT ALL BEARING SURFACES BELOW FOOTINGS MEET OR EXCEED ASSUMED SOIL BEARING CAPACITY. ALL FOUNDATIONS SHALL BEAR ON FIRM, UNDISTURBED, NATIVE SOIL OR ENGINEERED FILL AT OR EXCEEDING DEPTHS SHOWN ON THE DRAWINGS. INCREASE DEPTH AS REQUIRED BY ON-SITE GEOTECHNICAL ENGINEER. ALL FOOTING EXCAVATIONS SHALL BE AS NEAT AS PRACTICAL. OVER-EXCAVATIONS IN DEPTH SHALL BE FILLED WITH CONCRETE, AND IN WIDTH MAY BE FILLED WITH LEAN CONCRETE OR COMPACTED, APPROVED BACKFILL. ALL LOOSE SOILS SHALL BE REMOVED FROM EXCAVATIONS PRIOR TO PLACEMENT OF REINFORCING OR CONCRETE.

GEOTECHNICAL INFORMATION USED AS REFERENCE FOR THE DESIGN OF THE FOUNDATIONS IS NOTED IN D/S1.0. A SOILS TESTING LABORATORY SHALL BE RETAINED, BY THE OWNER, TO PROVIDE CONSTRUCTION REVIEW TO TEST EXISTING SOIL CONDITIONS AND ENSURE CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND ORIGINAL GEOTECHNICAL REPORT DURING THE EXCAVATIONS, BACKFILL, AND FOUNDATION PHASES OF THE PROJECT. CONTACT DESIGN ENGINEER IMMEDIATELY IF SOILS ENCOUNTERED DO NOT MEET THESE DESIGN SPECIFICATIONS.

CONCRETE:
CONCRETE SHALL BE AS SPECIFIED AND MEET THE FOLLOWING MIN. ULTIMATE COMPRESSIVE STRENGTHS AT 28 DAYS:

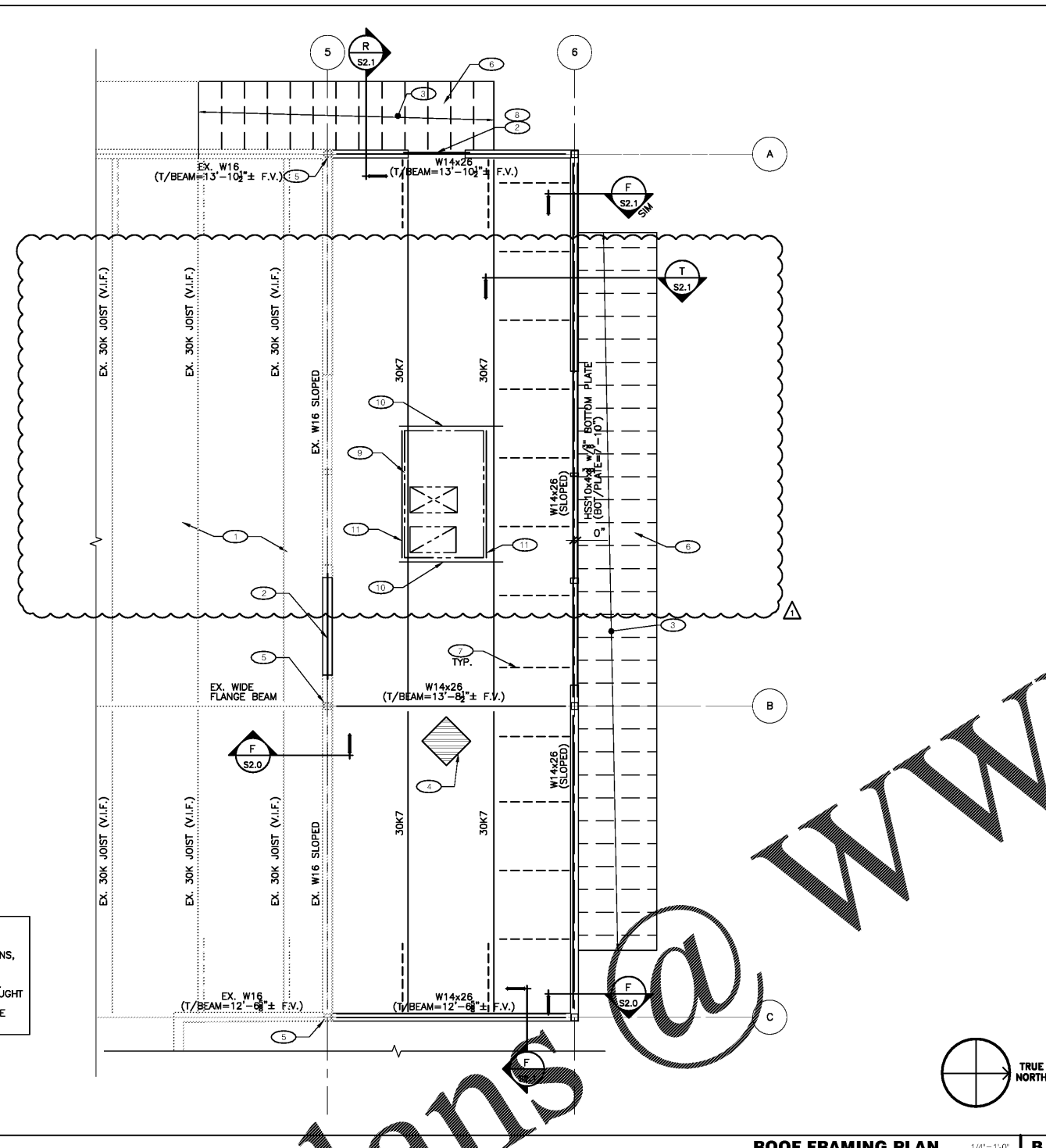
LOCATION	MIN. STRENGTH 28 DAYS PSI	AGGREGATE SIZE - INCHES	SLUMP INCHES	TOLERANCE
SLAB ON GRADE	(4000 DESIGN)	1" x #4	3 1/2"	±1/2"
FOUNDATIONS	(3000 DESIGN)	1" x #4	3 1/2"	±1/2"

A. CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C150 TYPE I OR III. VERIFY MIN. CONC. STRENGTH AND CEMENT TYPE.
B. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.
C. CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-11 SECTION 5.11 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 308.
D. ANCHOR RODS - ASTM F1554 (GALVANIZED) GRADE 36, USE 5/8" DIAMETER ANCHOR RODS AT 32" O.C. U.N.O.
E. AIR ENTRAINMENT (6% ±1%) AT EXTERIOR CONCRETE SHALL CONFORM TO ASTM C260.
F. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. FLAT SHEETS ONLY.

PROVIDE (2) - #4x3'-0" LONG DIAGONAL SLAB REINFORCING BARS AT ALL RE-ENTRANT CORNERS.

FOUNDATION DESIGN WAS BASED ON A SOIL BEARING CAPACITY OF 2500 PSF PER SOILS REPORT #: 70105053 BY TERRACON CONSULTANTS, INC., DATED AUGUST 26, 2010.

(A) EXISTING FOUNDATION WALL (FIELD VERIFY).
(B) EXISTING FOOTING (FIELD VERIFY). ASSUMED SIZE OF 1'-6" WIDE AND BOTTOM OF FOOTING AT 1'-6" BELOW GRADE.
(C) EXISTING CONCRETE SLAB TO REMAIN AS IS - NO WORK THIS AREA.
(D) 4" THICK REINFORCED CONCRETE SLAB w/5x6-W2.9xW2.9 WWF (CENTERED) ON 10 MIL VAPOR RETARDER ON 6" CRUSHED STONE - SLAB TO MATCH ELEVATION OF EXISTING SLAB. ALL EXPOSED CONCRETE SLAB TO BE INTEGRAL COLOR "BLACK" - DAVIS COLOR 8084 GRAPHITE - 150# PER 10 YARDS ON A 5 SACK MIX - DAVIS COLORS - 3700 EAST OLYMPIC BLVD. - LOS ANGELES, CA 90023 - 800.356.4848
(E) CONTROL JOINT - SEE DETAIL L/S2.0.
(F) (3) - #5 BARS x 2'-0" LG TOP AND BOTTOM INTO FOUNDATION DOWEL WITH HILTI HIT-HY 200 SAFESIT ADHESIVE. (MIN. 6" EMBEDMENT).
(G) STEP FOOTING AS REQUIRED TO MATCH EXISTING.
(H) DIMENSION IS AN ESTIMATE OF CONCRETE REMOVAL FOR BIDDING PURPOSES.
(J) PROVIDE HILTI HAS-E ROD INSTALLED w/HILTI HIT-HY200 SAFESIT ADHESIVE (10" MIN EMBED. INTO EX. FTG.) 5" TO 12" FROM END OF CUT SILL PLATE.
(K) EXISTING STEEL HSS COLUMN AND SPREAD FOOTING.
(L) PROVIDE 1/2" EXPANSION JOINT MATERIAL WHERE NEW SLAB MEETS EXISTING FOUNDATION WALL.
(M) NEW HSS5x5x5/16.
(N) FOOTING STEP. COORDINATE FINAL LOCATION WITH CIVIL.



GENERAL NOTE:
GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS BEFORE THE ORDERING OF MATERIALS AND CONSTRUCTION. ANY DEVIATION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY BEFORE ANY WORK IS PERFORMED.

FRAMING KEY NOTES

- EXISTING ROOF FRAMING AND STRUCTURE TO REMAIN.
- 1 1/2" x 2" x 0" HEADER w/1/2" PLYWOOD FLITCH SPACERS w/16d NAILS @ 12" O.C. STAGGERED EACH PLY OVER OPENING. BEAM ON (2) - JACK STUDS (MIN.) AND (2) - KING STUDS (MIN.) EACH SIDE OF OPENING. PROVIDE SIMPSON HUGO-3 TO FULL HEIGHT STUDS OR POST WHERE JACK STUDS DO NOT FIT.
- NEW 2x WOOD FRAMING AT 1'-4" O.C.
- NEW 1 1/2" x 20 GAUGE TYPE "B" WIDE RIB ROOF DECKING. DECKING TO BE ATTACHED TO SUPPORTING MEMBERS WITH A 36/4 PATTERN OF 3/8" DIAMETER PUDDLE WELDS. DECK SIDELAP FASTENERS SHALL BE (4) #10 TEK SCREWS PER SPAN. ATTACH DECK TO PERIMETER SUPPORTS WITH 3/8" DIAMETER WELDS AT 6" O.C.
- EXISTING STEEL COLUMN.
- 5/8" APA RATED (40/20) PLYWOOD SHEATHING WITH LONG DIMENSION PERPENDICULAR TO FRAMING. SEE B/S3.0 FOR NAILING REQUIREMENTS.
- L3x3x1/4 KICKER @ 48" O.C.
- L6x4x1/2 LVL GALVANIZED LOOSE LINTEL ABOVE WINDOWS. PROVIDE MINIMUM 4" BEARING EA. END.
- NEW RTU (WT: 1100#) ROOF OPENING STEEL NOT SHOWN FOR CLARITY. SEE K/S2.0 FOR TYPICAL ROOF PENETRATION DETAIL.
- NEW MC6x15.3 CURB FOR RTU SUPPORT. SEE D/S2.0.
- NEW C6x8.2 CURB FOR RTU SUPPORT. SEE D/S2.0.

Order Plans
NOT USED