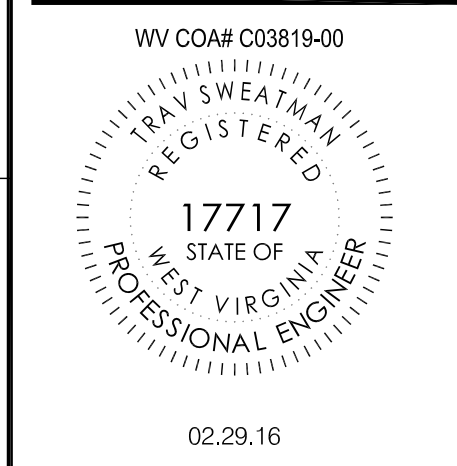


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RETAINING WALL	02.29.16

CONTRACT DATE: 11.05.15  
 BUILDING TYPE: LIVE MAS-Medium 40  
 PLAN VERSION: REV P -- NOV 15  
 SITE NUMBER:  
 STORE NUMBER:

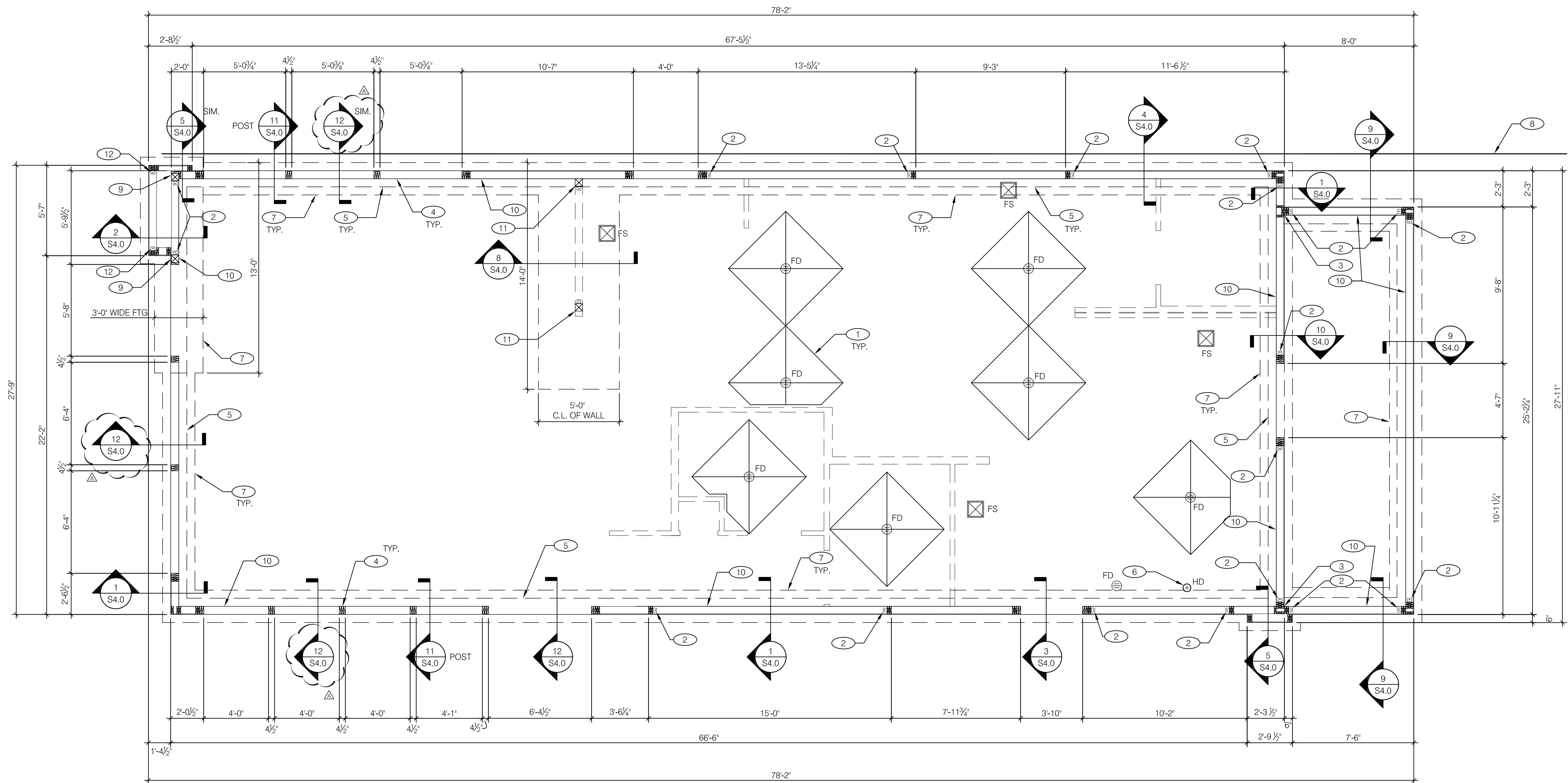
**TACO BELL**  
 770 National Road  
 Wheeling, WV 26003



**FOUNDATION PLAN**

**S1.0**

PERMIT PLOT DATE: 02.29.16



**DIMENSIONS THIS SHEET TO EDGE OF CONCRETE**

**FOUNDATION PLAN 1/4"=1'-0" A**

DESIGN CRITERIA		F
<b>DESIGN CRITERIA:</b>		
2012 WEST VIRGINIA STATE BUILDING CODE		
<b>ROOF SNOW LOADS:</b>		
GROUND SNOW LOAD (Pg):	20 PSF	
EXPOSURE FACTOR (Ce):	1.0	
IMPORTANCE FACTOR (I):	1.0	
FLAT-ROOF SNOW LOAD (Pi):	20 PSF + DRIFT	
THERMAL FACTOR (Ct):	1.0	
<b>ROOF LOADS:</b>		
LIVE LOAD:	20 PSF	
DEAD LOAD:	20 PSF	
<b>WIND LOADS:</b>		
ULTIMATE WIND SPEED:	Vult = 115 MPH	
NOMINAL WIND SPEED:	Vasd = 89 MPH	
IMPORTANCE FACTOR:	1.0	
EXPOSURE CATEGORY (MWFRS):	B	
INTERNAL PRESSURE COEFF.:	±0.18	
COMPONENT & CLADDING DESIGN PRESSURE:	24.0 PSF	
DESIGN UPLIFT (NET):	10.0 PSF	
PROVIDE SHOP DRAWINGS AND CALCULATIONS BY REGISTERED ENGINEER FOR ROOF TRUSSES, SIGNS AND AWNINGS		

**FOUNDATION**

- FOUNDATION AND RETAINING WALL DESIGN IS BASED UPON THE GEOTECHNICAL ENGINEERING REPORTS ENTITLED PROPOSED TACO BELL RESTAURANT BY TERRACON CONSULTANTS, INC. DATED FEBRUARY 4, 2016 & FEBRUARY 25, 2016, PROJECT NO. N2165027.
- CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.
- COORDINATE STRUCTURAL PLANS AND DETAILS WITH REQUIREMENTS OF GEOTECHNICAL REPORT. FOUNDATION DESIGN IS BASED ON 2,000 PSF ALLOWABLE BEARING CAPACITY.
- CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES.
- REFER TO THE GEOTECHNICAL REPORT FOR GENERAL REQUIREMENTS OF EARTHWORK, OVEREXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION.
- PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2" INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THROUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.
- MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.
- ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.
- DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
- MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.

**SUBGRADE PAD PREPARATION RECOMMENDATIONS**

- THESE SUMMARY RECOMMENDATIONS ARE PROVIDED FROM THE GEOTECHNICAL INVESTIGATION, UNLESS SPECIFICALLY INDICATED OTHERWISE IN THE DRAWINGS. THE LIMITS OF THIS SUBSURFACE PREPARATION ARE CONSIDERED TO BE THAT PORTION OF THE SITE DIRECTLY BENEATH THE BUILDING AND FIVE FEET BEYOND, BUILDING IS REFERRING TO AND INCLUDES ALL AREAS AS SHOWN ON SHEET S1.0. THE VAPOR BARRIER, WHERE REQUIRED, DOES NOT EXTEND BEYOND THE LIMITS OF THE ACTUAL BUILDING.

**CONCRETE:**

A. CONCRETE SHALL BE HARD ROCK CONC. (5 SACK CEMENT PER CU.YD. MIN.) AND MEET THE FOLLOWING MIN. ULTIMATE COMPRESSIVE STRENGTHS AT 28 DAYS:

LOCATION	MIN. STRENGTH	AGGREGATE	SLUMP	TOLERANCE
SLAB ON GRADE	28 DAYS PSI (4,000 DESIGN)	1" x #4	3-1/2"	±1/2"
FOUNDATIONS	(3,000 DESIGN)	1" x #4	3-1/2"	±1/2"

B. CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C 150 TYPE II. VERIFY MIN. CONC. STRENGTH AND CEMENT TYPE.

C. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.

D. CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-95 SECTION 5.11 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 308.

E. ANCHOR BOLTS - A307 OR A307. USE 5/8" DIAMETER x 12" ANCHOR BOLTS (A.B.) AT 72" O.C. U.O.N. ANCHOR BOLTS SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONC.

**SLAB:**

A. DESIGN IS BASED UPON 4" THICK CONCRETE SLAB REINFORCED W/ WWF 6#6-W1.4x1.4 OR #4 BARS @ 18" O.C. EA. WAY, OVER 15 MIL STEGO WRAP VAPOR BARRIER, OVER 4" AGGREGATE BASE, OVER ENGINEERED SUBGRADE. MODIFY AS REQUIRED TO COMPLY WITH REQUIREMENTS OF SOILS REPORT.

**MISCELLANEOUS:**

A. DIMENSIONS NOTED ARE TO FACE OF CONCRETE. REFER TO DWG. A1.0 FOR DIMENSIONS TO FACE OF STUD AND OTHER DIMENSIONS NOT OTHERWISE NOTED.

B. DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

C. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.

D. SEE PLUMB. DWGS. FOR PLUMB. LAYOUT DIMENSIONS. U.O.N.

E. SEE ELECT. DWGS. FOR ELECT. LAYOUT DIMENSIONS. U.O.N.

F. COORD. FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO POURING SLAB.

- SLAB SHALL BE PITCHED 1/2" FOR 5'-0" x 5'-0" SQUARE AT ALL FLOOR DRAINS U.O.N. REFER TO PLUMBING DRAWINGS FOR LOCATIONS.
- SHEARWALL HOLDDOWN, REFER TO D/S2.0 FOR SIZE & SEE DETAILS 19 & 20/S4.1. FOR ANCHOR BOLT, SEE D/S2.0. AND DETAIL 12/S4.0.
- CONTINUE SHEAR WALL SHEATHING PAST INTERSECTING WALL WITHOUT INTERRUPTION.
- 3-2x6 WINDOW POST SEE DET. 11/S4.0.
- INDICATES INSIDE SURFACE OF GRADE BEAM. SEE SHEET S4.0.
- PROVIDE HUB DRAIN (HD) UNLESS REQUIRED BY LOCAL CODE TO HAVE FLOOR SINK (FS)
- INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0.
- LINE OF DRIVE-THRU CURB. SEE CIVIL DRAWINGS.
- 6x6 POST AT HDU14 HOLDDOWN.
- 6" WIDE x 6" HIGH CURB.
- 6x6 POST AT HD19 HOLDDOWN ANCHOR AT EACH END OF INTERIOR SHEARWALL. SEE DETAIL 7/S4.0 FOR HOLDDOWN EMBEDMENT DETAIL.
- HTTS HOLDDOWN ANCHOR. SEE 6/S4.0 FOR HOLDDOWN EMBEDMENT DETAIL.

**FOUNDATION PLAN NOTES C**

**KEY NOTES N.T.S. B**