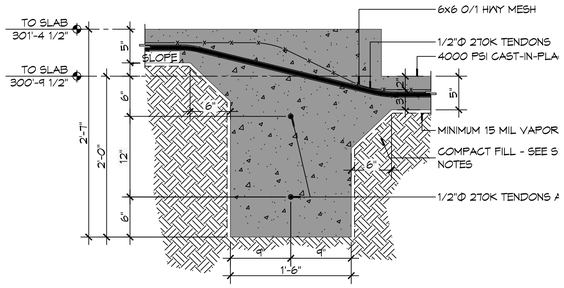
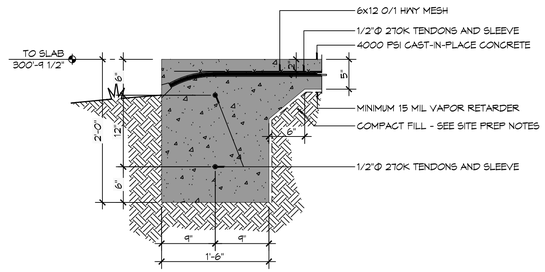
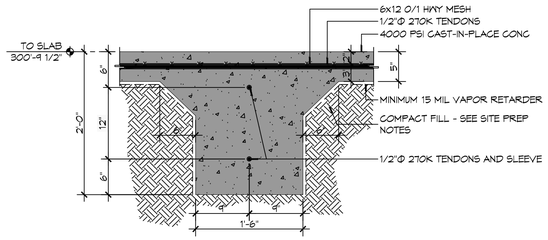


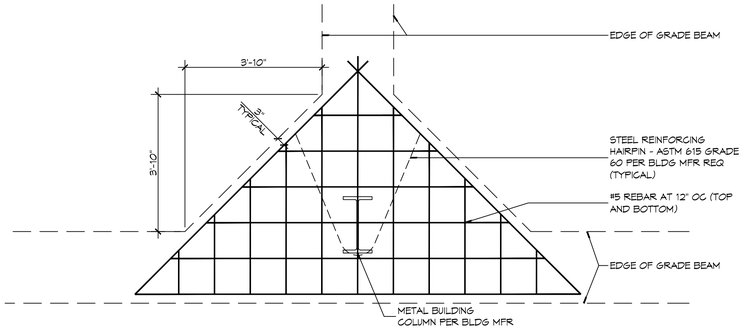
6 S101|S101 FOUNDATION DETAIL
SCALE: 1" = 1'-0"



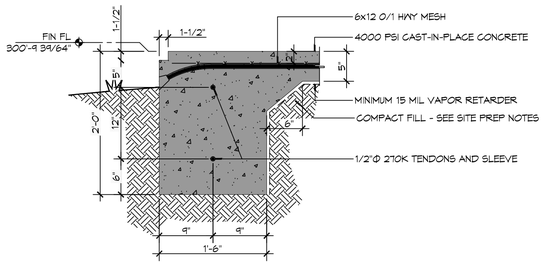
5 S101|S101 FOUNDATION DETAIL
SCALE: 1" = 1'-0"



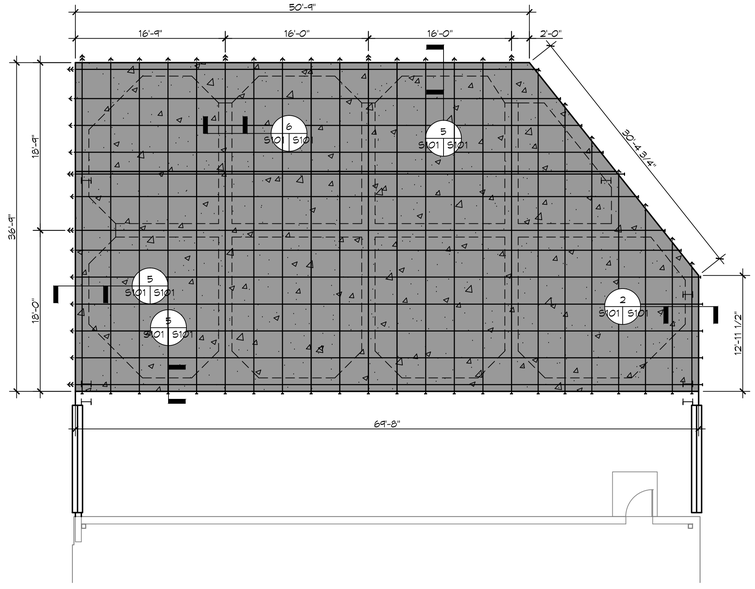
4 S101|S101 FOUNDATION DETAIL
SCALE: 1" = 1'-0"



3 S101|S101 FOUNDATION DETAIL
SCALE: 1 1/8" = 1'-0"



2 S101|S101 FOUNDATION DETAIL
SCALE: 1" = 1'-0"



N 1 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

GENERAL FOUNDATION NOTES

1. THE CONCRETE FINISHER SHALL ENSURE THAT THE AREAS TO RECEIVE A POLISHED CONCRETE FINISH SHALL MEET THE FLOOR FLATNESS/LEVELNESS CRITERIA IN ACCORDANCE WITH SPECIFICATIONS.
2. ALL DIMENSIONS ARE EDGE OF CONCRETE (EOC) TO EDGE OF CONCRETE (EOC) UNLESS NOTED OTHERWISE.
3. VERIFY ALL PLUMBING ROUGH-IN LOCATIONS ON SHEET P101 & ELECTRICAL ROUGH-IN LOCATIONS ON SHEET E101.
4. CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-318.
5. ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
6. ONE LAYER OF POLYETHYLENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOR RETARDER TO BE MINIMUM 15 MIL, THICKNESS; ASTM E 1745 CLASS A, PERMEANCE LESS THAN 0.01 PERMS, EQUAL TO STEGO INDUSTRIES STEGO WRAP, EGOSHIELD-E 15 MIL BY EFRO, OR IRONBAR 15 BY FLATIRON FILMS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
7. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
8. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BRICK LEDGES, DIMENSIONS AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
9. GRADE BEAM DIMENSIONS MAY VARY BY -5%, +20%.
10. NEW SPREAD CONCRETE FOOTINGS AND CONTINUOUS FOOTINGS, BEARING ON COMPACTED STRUCTURAL FILL AT LEAST 2 FEET BELOW FINISHED GRADE, SHOULD BE DESIGNED FOR MINIMUM NET ALLOWABLE BEARING PRESSURES OF 1200 PSF AND 2000 PSF, RESPECTIVELY, BASED ON DEAD LOADS AND DESIGN LIVE LOADS.
11. ALL SOIL BELOW SLAB SHALL RECEIVE TERMITE TREATMENT IN ACCORDANCE WITH SPECIFICATIONS.
12. ALL REINFORCING BAR SPLICES SHALL HAVE AN OVERLAP DIMENSION OF NOT LESS THAN 50 TIMES THE REINFORCING BAR DIAMETER. WHERE REINFORCING BARS OF DIFFERENT DIAMETERS MEET, USE THE LARGER OF THE TWO BARS TO DETERMINE THE SPLICE LENGTH. TIE WIRES SHALL BE SPACED NOT MORE THAN 6' OC AND NOT LESS THAN 3' FROM BAR ENDS. DO NOT PLACE SPLICE(S) WITHIN THREE (3) FEET OF STRUCTURAL COLUMNS.

GENERAL SITE PREP NOTES

1. THE GC SHALL EMPLOY A GEOTECHNICAL ENGINEER TO MONITOR SITE CONDITIONS DURING THE PREP WORK OF THE SITE FOUNDATION. REMOVE EXISTING NEAR SURFACE TOPSOIL WITH ORGANICS AND OTHER DELETERIOUS MATERIALS, APPROXIMATELY 8 TO 10 INCHES HOWEVER THE ACTUAL STRIPPING DEPTH SHALL BE DETERMINED BY A GEOTECHNICAL ENGINEER. THE EXPOSED SUBGRADE IN THE BUILDING AND PARKING AREAS SHALL BE PROOF-ROLLED WITH A RUBBER TIRED VEHICLE WEIGHING ABOUT 20 TONS; PROOF-ROLLING SHALL BE MONITORED BY A GEOTECHNICAL ENGINEER. ANY SOILS WHICH ARE OBSERVED TO RUT OR DEFLECT EXCESSIVELY UNDER THE MOVING LOAD SHOULD BE UNDERCUT AND REPLACED WITH COMPACTED STRUCTURAL FILL.
2. THE STRUCTURAL FILL SHALL BE SELECT GRANULAR MATERIAL AND SHALL BE PLACED IN MAXIMUM LIFTS OF EIGHT (8) INCHES OF LOOSE MATERIAL, COMPACTED WITHIN THE RANGE OF ONE (1) PERCENTAGE POINT BELOW TO THREE (3) PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT VALUE. IF WATER MUST BE ADDED, IT SHALL BE UNIFORMLY APPLIED AND THOROUGHLY MIXED INTO THE SOIL BY DISKING OR SCARIFYING. EACH LIFT OF COMPACTED STRUCTURAL FILL SHALL BE TESTED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF SUBSEQUENT LIFTS. IN-PLACE DENSITY MEASUREMENTS SHALL BE TAKEN TO ASSURE THAT THE ABOVE DEGREE OF COMPACTION IS ACHIEVED. THE COMPACTED STRUCTURAL FILL SHALL EXTEND FIVE (5) FEET BEYOND THE PERIMETER OF THE BUILDING PRIOR TO SLOPING.
3. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB TO PREVENT SATURATION OF THE SUB-BASE.
4. ALL TREES WITHIN CLOSE PROXIMITY SHALL BE REMOVED TO PREVENT THE ROOTS FROM EXTENDING UNDER THE SLAB.
5. PROVIDE AND MAINTAIN IMMEDIATE SITE DRAINAGE BEFORE, DURING, AND AFTER CONSTRUCTION. PROVIDE GRADING, SWELLS, AND SUMP PUMPS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAINWATER FROM THE CONSTRUCTION AREA. FOOTING EXCAVATIONS SHOULD BE OBSERVED AND CONCRETE PLACED AS QUICKLY AS POSSIBLE TO AVOID EXPOSURE OF THE FOOTING BOTTOMS TO WETTING AND DRYING. SURFACE RUNOFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND PRIOR OR AFTER CONCRETE PLACEMENT. IF IT IS REQUIRED THAT A FOOTING EXCAVATIONS BE LEFT OPEN FOR MORE THAN ONE DAY, THEY SHOULD BE PROTECTED TO REDUCE EVAPORATION OR ENTRY OF MOISTURE.

FOUNDATION STATISTICS

FOUNDATION AREA:

ENCLOSED BUILDING AREA -	4,829 SF
OPEN BUILDING AREA -	134 SF
TOTAL FOUNDATION FOOTPRINT -	4,963 SF

LEGEND

SINGLE TENDON

DOUBLE TENDON (STACKED VERTICALLY)

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832 F: 985.641.5950
Chief Engineer: Brian Mistich, PE
LA #37008
554 Old Spanish Trail
Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

SEAL:

BUILDING ADDITION FOR
HOTARD BUS

56246 FRANK PICHON RD.
SLIDELL, LA 70455

JOB No: 22177 | DATE: 3/2/2016
DRAWN BY: MWM | CHECKED BY: CMD

All plans, drawings, specifications, and copies thereof are and shall remain the property of Dammon Engineering, and are not to be used in whole or in part for any other project without the written authorization of Dammon Engineering. Visual contact with these plans shall constitute prima facie evidence of the acceptance of these restrictions.

SHEET TITLE:
FOUNDATION PLAN

DRAWING NUMBER:
S101

SHEET No: 5 of #

FILE NAME: J:\... Office Warehouse\2277 - Hotard Bus Drive\Drawings\Current Drawings\S101 - Foundation Plan.dwg PLOT DATE & TIME: Tuesday, March 22, 2016, 8:24:36 AM