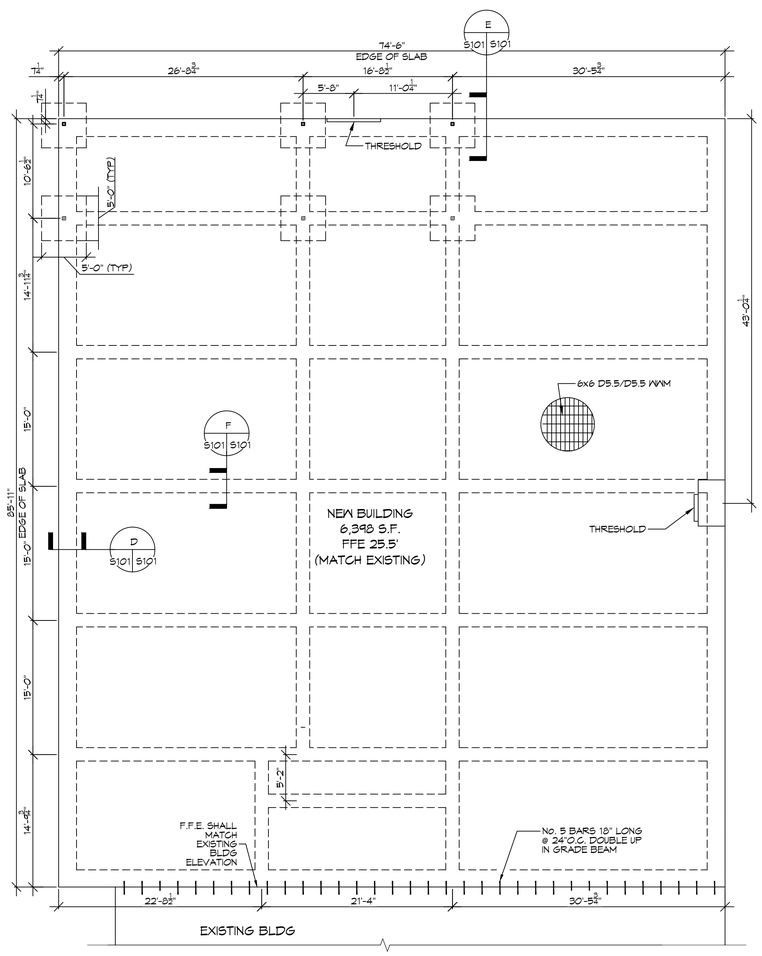
GENERAL SITE PREP NOTES

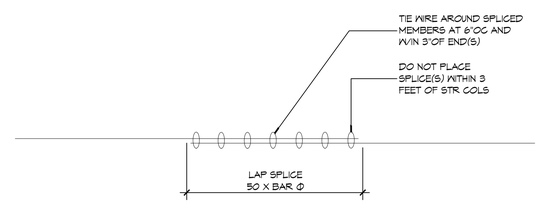
1. THE GC SHALL EMPLOY A GEOTECHNICAL ENGINEER TO MONITOR SITE CONDITIONS DURING THE PREP WORK OF THE SITE FOUNDATION. REMOVE EXISTING NEAR SURFACE TOPSOIL WITH ORGANICS AND OTHER DELETERIOUS MATERIALS, APPROXIMATELY 8 TO 10 INCHES HOWEVER THE ACTUAL STRIPPING DEPTH SHALL BE DETERMINED BY A GEOTECHNICAL 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.
6. IT IS RECOMMENDED THAT THE CONTRACTOR OR OWNER VERIFY ALLOWABLE SOIL PRESSURES BY CONTRACTING THE SERVICES OF A SOILS ENGINEERING COMPANY, TO VERIFY SOIL CAPACITIES. LOAD CAPACITIES ARE BASED ON LOCAL CODES AND HISTORICAL INFORMATION WHERE AVAILABLE, AND THE SOILS INFORMATION AVAILABLE FOR GENERAL AREAS MAY NOT BE COMMENSURATE WITH THIS PARTICULAR PROJECT.

GENERAL FOUNDATION NOTES

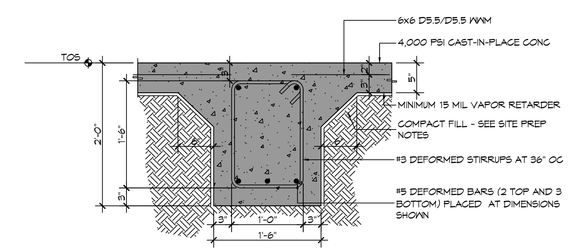
1. THE INTENT OF THIS PLAN IS TO PROVIDE INFORMATION FOR PLACEMENT OF A CONVENTIONAL SLAB. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS, BRICK LEDGES, BLOCK OUTS, OFFSETS, ETC., SHOWN ON THESE PLANS, TO ASSURE AGREEMENT WITH ARCHITECTURAL PLANS.
2. ALL NEW CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND A MINIMUM THICKNESS OF 5". CONCRETE MIX SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF ASTM C-150 TYPE 1.
3. ALL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
4. ONE LAYER OF POLYETHYLENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOR RETARDER TO BE 15 MIL STRENGTH; ASTM E1745 CLASS A, PERMEANCE LESS THAN 0.01 PERMS, EQUAL TO STEGO INDUSTRIES STEGO WRAP ECO-SHEILD-E 15 MIL. BY EFFRO OR IRONBAR 15 BY FLATIRON FILMS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
5. ALL REINFORCING STEEL SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT. ALL CONTROL AND EXPANSION JOINTS SHALL BE LOCATED AND INSTALLED AS SHOWN ON THE PAVING PLAN AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, CMU LEDGES, DIMENSIONS, AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
7. VERIFY ALL PLUMBING ROUGH-IN LOCATIONS ON SHEET P101 & ELECTRICAL ROUGH-IN LOCATIONS ON SHEET E101.
8. GRADE BEAM SIZES MAY VARY BY -5% TO +20%.
9. ALL SUBGRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 6" LIFTS.
10. A MINIMUM OF 5" CONCRETE THICKNESS SHALL BE MAINTAINED THROUGHOUT THE SLAB.
11. PROVIDE 5'X5' LANDINGS, LEVEL WITH FINISHED FLOOR, OUTSIDE EXTERIOR DOORS. THRESHOLDS SHALL BE NOT MORE THAN 1/2" IN HEIGHT AND SHALL BE BEVELED IF MORE THAT 1/4".
12. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB TO PREVENT SATURATION OF THE SUB-BASE.
13. ALL TREES WITHIN CLOSE PROXIMITY SHALL BE REMOVED TO PREVENT THE ROOTS FROM EXTENDING UNDER THE SLAB.
14. 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 TO BE 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 TO OR AFTER CONCRETE PLACEMENT. IF IT IS REQUIRED THAT A FOOTING EXCAVATION BE LEFT OPEN FOR MORE THAN ONE DAY, IT SHOULD BE PROTECTED TO REDUCE EVAPORATION OR ENTRY OF MOISTURE.
15. NEW SPREAD CONCRETE FOOTINGS AND CONTINUOUS FOOTINGS, BEARING ON COMPACTED STRUCTURAL FILL, AT LEAST 2 FEET BELOW FINISHED GRADE, SHOULD BE DESIGNED FOR MAXIMUM NET ALLOWABLE BEARING PRESSURES OF 1,200 PSF AND 2,000 PSF RESPECTIVELY, BASED ON DEAD LOADS AND DESIGN LIVE LOADS.
16. TREAT SOIL BELOW SLAB FOR TERMITES.



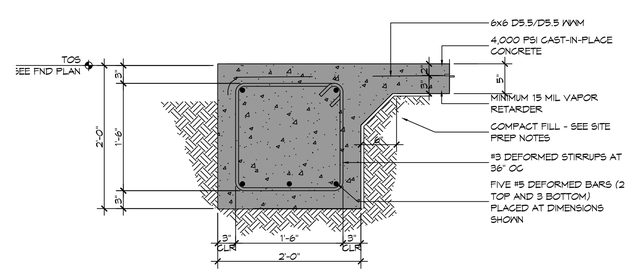
14 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"
1st FLOOR



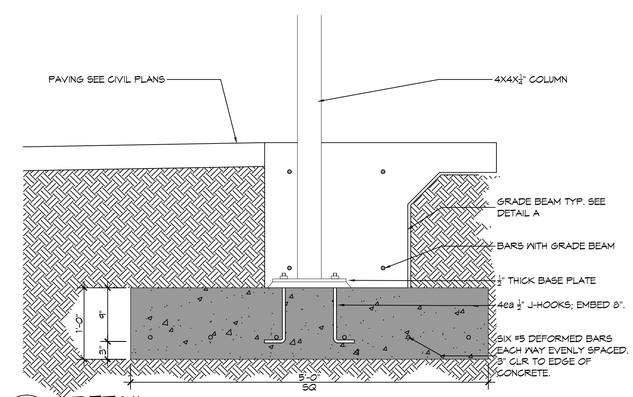
TYPICAL LAP SPLICE



F S101 S101 DETAIL
SCALE: 1" = 1'-0"



D S101 S101 DETAIL
SCALE: 1" = 1'-0"



E S101 S101 DETAIL
SCALE: 1" = 1'-0"

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Chief Engineer: Brian Mistich, PE
Civil Engineers: Jason Hall
Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE
1.	Revised Floor Plan	5/12/2022

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
5/12/2022
PROFESSIONAL ENGINEER

NEW ADDITION
HONTAS MOB
71211 LA HWY 21
COVINGTON, LA 70433

JOB No:	2443	DATE:	6-15-2022
DRAWN BY:	DPD	CHECKED BY:	CKD

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SHEET TITLE:
FOUNDATION PLAN

DRAWING NUMBER:
S101

SHEET No: 10 of 22