



GRADE BEAM SCHEDULE						
Mark	Width	Depth	Top Bars	Skin Reinforcement	Bottom Bars	Ties
GB-A	1'-6"	2'-0"	(2)-#6 CONTINUOUS	N/A	(2)-#6 CONTINUOUS	#3 TIES AT 24" O.C.
GB-B	2'-0"	2'-0"	(3)-#6 CONTINUOUS	N/A	(3)-#6 CONTINUOUS	#3 TIES AT 10" O.C.
GB-C	2'-6"	2'-0"	(5)-#6 CONTINUOUS	N/A	(5)-#6 CONTINUOUS	#4 TIES AT 10" O.C.
GB-D	2'-0"	4'-0"	(3)-#6 CONTINUOUS	(4)-#4 CONTINUOUS	(3)-#6 CONTINUOUS	#3 TIES AT 10" O.C.
GB-E	2'-6"	3'-0"	(5)-#8 CONTINUOUS	(4)-#4 CONTINUOUS	(5)-#8 CONTINUOUS	#4 TIES AT 10" O.C.

**FOX NESBIT**  
 BATON ROUGE NEW ORLEANS  
 RUSTON LAFAYETTE DESTIN  
 225-233-6595  
 www.fox-nesbit.com  
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**FUNDATION PLAN NOTES AND LEGEND:**

THE TOP OF ALL GRADE BEAMS AND PEDESTALS SHALL BE AT EL. -1'-0" OR UNLESS NOTED OTHERWISE.

AT ALL CURVED GRADES, PROVIDE CURVED TOP AND BOTTOM REINFORCING WITH MINIMUM RADIUS OF CURVATURE OF GRADE BEAMS. BARS MAY BE SHOP BENT OR FIELD BENT AT CONTRACTOR'S OPTION.

THE CENTER OF GRAVITY OF ALL PILE CAPS IS AT THE INTERSECTION OF COLUMN GRADIENTS OR CENTERED ON GRADE BEAM IF NO COLUMN IS PRESENT. UNLESS NOTED OTHERWISE.

ALL PILES UNDERneath GRADE BEAM SHALL BE CENTERED ON GRADE BEAMS, UNLESS NOTED OTHERWISE.

AT LOCATIONS WHERE BOTTOM OF GRADE BEAM IS HIGHER THAN TOP OF PILE CAP, DEEPEN GRADE BEAM WITH ADDITIONAL CONCRETE OVER PILE CAP TO ENSURE FULL BEARING OF GRADE BEAM OVER PILE CAP.

PROVIDE 5% MAX LAR AB ( $\alpha=10^\circ$ ,  $b=30^\circ$ ) DOWELS AT 24" C/C MAX. ALONG TOP OF PILE CAP. SEE FOUNDATIONS DETAILS FOR SEGMENTS OF GRADE BEAM WITH CHANGING SLOPE.

DECREASE DOWEL SPACING TO 10" C/C MAX. SET TOP OF DOWEL BAR AT BOTTOM OF SLAB REINF.

ALL GRADE BEAMS AND PILE CAPS SHALL BE PLACED OVER A 2" THICK CONCRETE DRY BOTTOM AS DEEMED APPROPRIATE BY THE CONTRACTOR. IF A PRECIPITATION EVENT IS ANTICIPATED BEFORE CONCRETE PLACEMENT, EXPOSED FOOTING AND GRADE BEAM SHALL BE COVERED WITH TARP. IF A PRECIPITATION EVENT PRIOR TO SUBJECTING TO A PRECIPITATION EVENT NOT BE PLACED TO CONCRETE. THE GRADE BEAM AND SPREAD FOOTING SHALL BE APPROVED BY THE INSPECTOR BY THE TESTING AGENCY FOR ADEQUATE BEARING CAPACITY PRIOR TO PLACEMENT OF DRY BOTTOMS/CONCRETE. DRY BOTTOMS/CONCRETE FOOTING SHALL BE PLACED AS SOON AS POSSIBLE AFTER THE TESTING AGENCY HAS BEEN ADVISED THAT SUCH OCCUR IN THE TIME BETWEEN APPROVAL AND PLACEMENT. DO NOT PLACE DRY BOTTOM CONCRETE OVER PILES.

G.B.T. = GRADE BEAM TRANSITION PER DETAIL 1-5/40T. AT LOCATIONS WHERE G.B.T. IS INDICATED AT EDGE OF PILE CAP, MATCHES GRADE BEAM SO BOTTOM OF GRADE BEAM DEEPER THAN TOP OF PILE CAP.

THE BOTTOM OF ALL COLUMN BASE PLATES SHALL BE 2" INCHES ABOVE TOP OF PEDISTAL OR GRADE BEAM. UNDO. REF. 1/540I.

**ELEVATOR MAT NOTE – PLACE PILE CAP CONCRETE INTEGRAL WITH ELEVATOR MAT.**  
EXTEND MAT REINFORCEMENT 12 INCHES INTO PILE CAP. EARTH FORMING MAY BE DONE ON SIDES OF PILE CAPS THAT ABUT ELEVATOR MAT.

SEE GENERAL NOTES FOR FORMING REQUIREMENTS OF FOUNDATION ELEMENTS.

PROVIDE PROBE PILES AT LOCATIONS INDICATED ON THE PLANS. INSTALL USING SAME TECHNIQUES AND EQUIPMENT AS PRODUCTION PILES. A STATIC LOAD TEST WILL BE PERFORMED ON ONE OF THE PROBE PILES IN ACCORDANCE WITH ASTM D143. SELECTION OF PROBE PILE TO BE TESTED SHALL OCCUR WITHIN 24 HOURS OF RECEIVING PROBE PILE. THE TESTING AGENCY SHALL MAINTAIN INTEGRITY OF PROBE PILES THROUGHOUT TESTING. TESTING SHALL BE PERFORMED A MINIMUM OF FOURTEEN (14) DAYS AFTER PROBE PILE INSTALLATION. SUBMIT STATIC TEST RESULTS TO ARCHITECT/ENGINEER FOR REVIEW. PRODUCTION PILES MAY NOT BE INSTALLED UNTIL THREE (3) DAYS AFTER RECEIPT OF CERTIFIED TEST RESULTS BY ARCHITECT/ENGINEER, PENDBY DESIGN.

IF ANY SPECIFICATIONS ARE MORE INFORMATION.

(\*) = INDICATES PILES IN PILE CAP HAVE REINFORCEMENT CAGE. SEE DETAIL 5/540U FOR MORE INFORMATION.

SEE SPECIFICATION 31 2100 FOR ALL LIFTING MOVING AT BUILDING PAD REQUIREMENTS.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY SHORING, BRACING, AND STABILITY OF ALL FOUNDATION EXCAVATIONS. DESIGN AND PROVIDE SHEET PILING OR OTHER TEMPORARY BRACING AS REQUIRED TO INSTALL FOUNDATIONS ALONG EXISTING CONSTRAINTS. DO NOT DAMAGE EXISTING CONSTRUCTION INDICATED TO REMAIN.

CONTRACTOR SHALL BE RESPONSIBLE FOR OWN COST ALL DAMAGE TO EXISTING CONSTRUCTION AT PROPERTY LINE.

**ASHE | BROUSSARD | WEINZENT**  
ARCHITECTS

**CAROL LANDSCAPE ARCHITECTURE, LLC**  
Civil  
Landscape Architecture  
1000 West 1st Street, Suite 205  
Alexandria, VA 71301

**Mercatus Butler & Associates, LLC**  
Civil  
1000 West 1st Street, Suite 205  
Alexandria, VA 71301

**TIPTON ASSOCIATES**

Sale O'Brien  
Mechanical, Plumbing, Acoustic  
Associated Design Group, Inc.  
1000 West 1st Street, Suite 205  
Alexandria, VA 71301

**Gensler**  
Creative  
1000 West 1st Street, Suite 205  
Alexandria, VA 71301

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ISSUE FOR BID: **LOUISIANA STATE UNIVERSITY ALEXANDRIA DOWNTOWN HEALTH SERVICES CENTER**

PROJECT # 19-0027-21-01 WBS #: 1902249  
RCH PROJECT # 2023.28 / 1531.00-2  
SITE ID: NEW SITE CODE: 640-2  
DATE OCTOBER 16, 2023

NO. REVISION DATE

KEY PLAN

STATE OF LOUISIANA  
CARRIE D. BROUSSARD  
License No. 37335  
PROFESSIONAL EXPIRY  
10-10-2025

FOUNDATION PLAN

\$1000