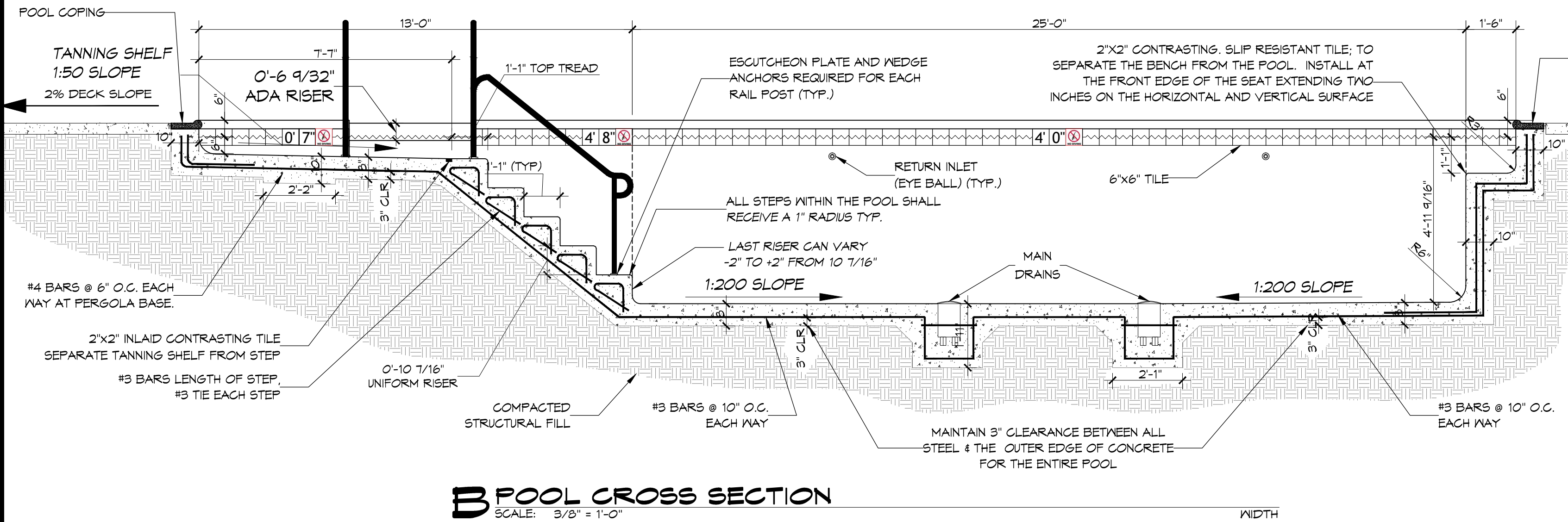
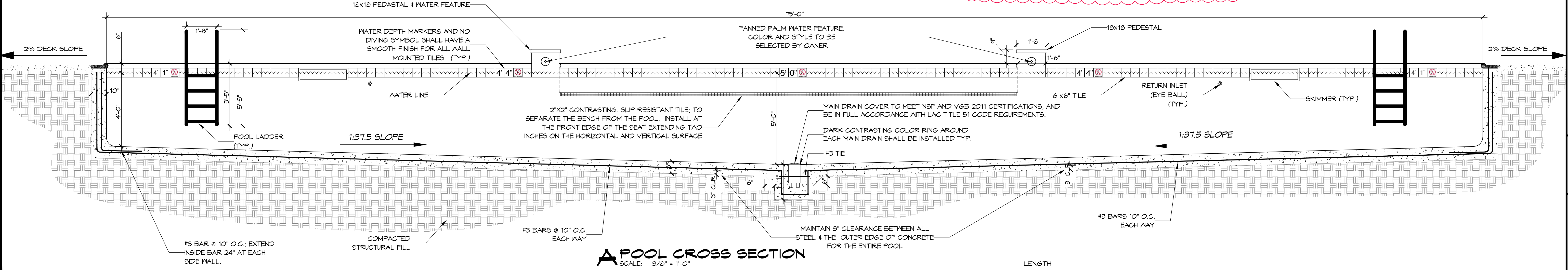


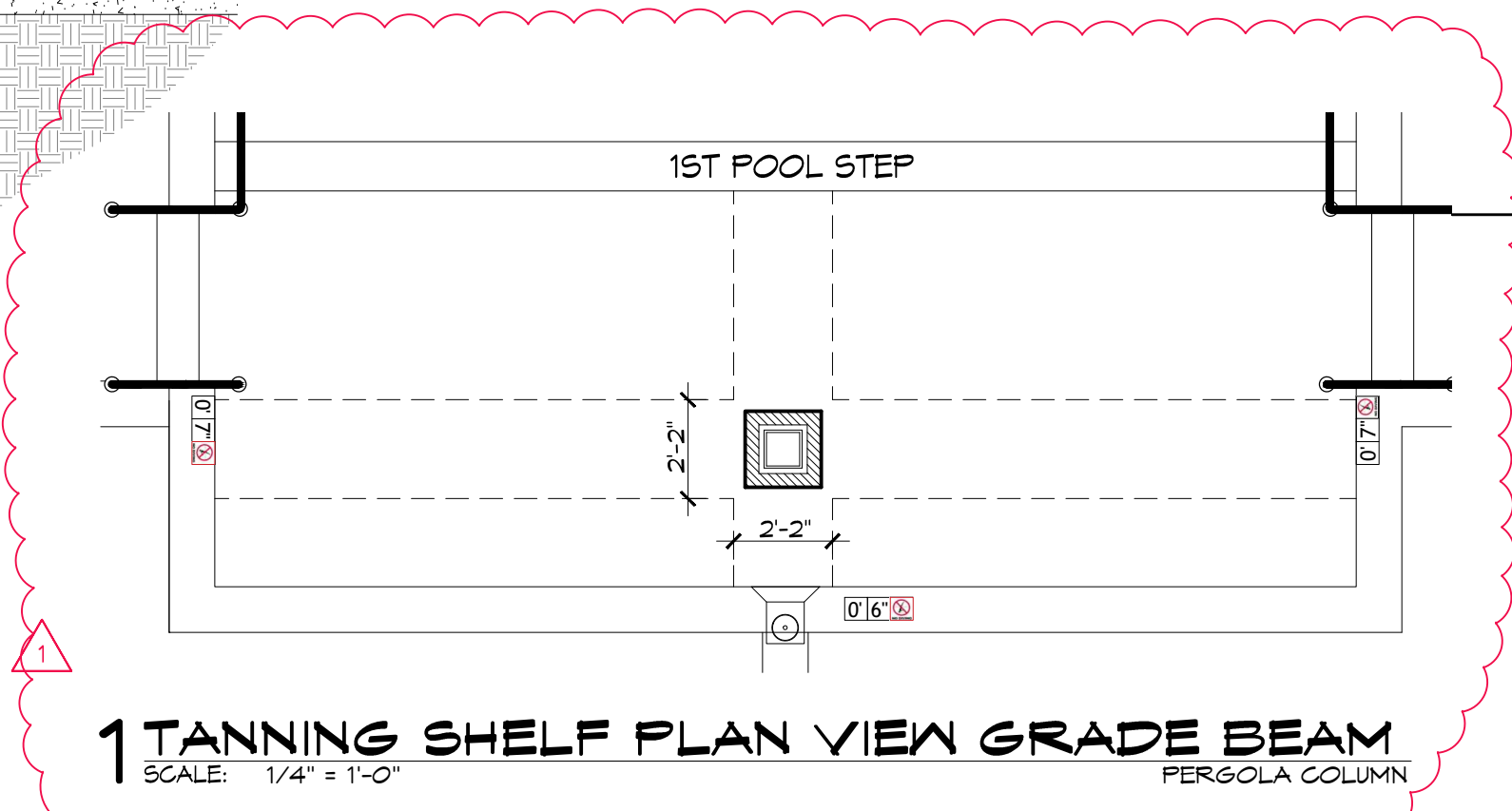
C TANNING SHELF PERGOLA BASE SECTION
SCALE: 1" = 1'-0"



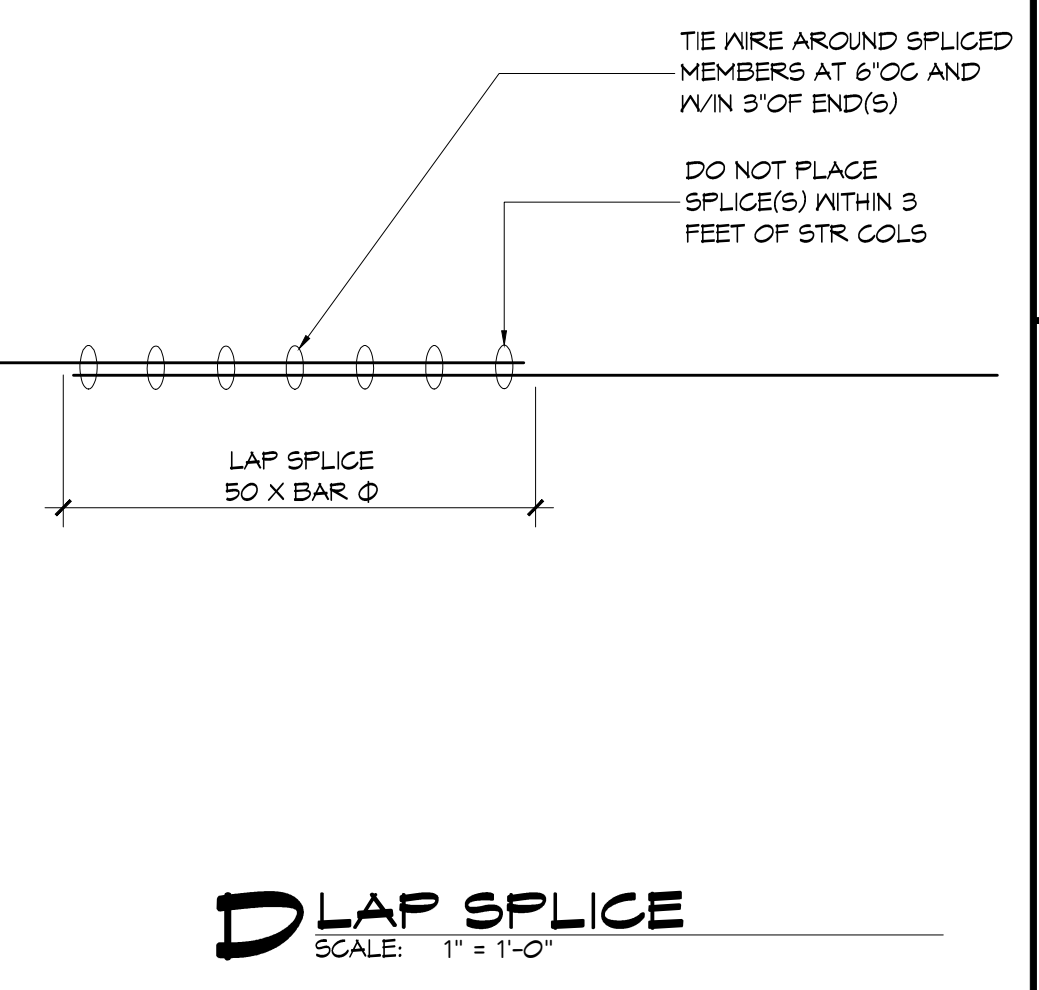
B POOL CROSS SECTION
SCALE: 3/8" = 1'-0"



A POOL CROSS SECTION
SCALE: 3/8" = 1'-0"



1 TANNING SHELF PLAN VIEW GRADE BEAM
SCALE: 1/4" = 1'-0"



D LAP SPLICE
SCALE: 1" = 1'-0"

PLAN NOTES

1. ALL SITE PREPARATION AND FOUNDATION CONSTRUCTION SHALL FOLLOW THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT DATED JANUARY 24, 2018 BY STRATUM ENGINEERING. IT IS RECOMMENDED THAT STRATUM ENGINEERING BE RETAINED FOR OBSERVATION AND TESTING OF CONSTRUCTION ACTIVITIES INVOLVED IN THE FOUNDATIONS AND RELATED ACTIVITIES OF THIS PROJECT.
2. THE GEOTECHNICAL ENGINEERING REPORT FROM STRATUM ENGINEERING STATES THAT GROUND WATER WAS ENCOUNTERED AT 12 FT BELOW GRADE THEREFORE Dewatering IS NOT EXPECTED.
3. THIS POOL HAS BEEN DESIGNED TO SUPPORT GRAVITY LOADS ONLY AND THEREFORE SHOULD NOT BE EMPTIED WHEN THE GROUND WATER LEVEL IS LESS THAN 10 FT BELOW THE SURFACE. IT IS RECOMMENDED THAT A PLACARD BE PLACED IN THE POOL EQUIPMENT AREA STATING THIS. IT IS RECOMMENDED THAT A 6" WELL CASING BE INSTALLED TO A DEPTH OF 10FT SO THAT TECHNICIANS CAN OBSERVE THE WATER DEPTH PRIOR TO EMPTYING THE POOL.
4. ANY FILL SHALL BE PLACED IN MAXIMUM LIFTS OF EIGHT (8) INCHES OF LOOSE MATERIALS AND SHALL BE COMPACTED WITHIN ONE (1) PERCENTAGE POINT BELOW AND THREE (3) PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT. IF WATER MUST BE ADDED, IT SHOULD BE UNIFORMLY APPLIED AND THOROUGHLY MIXED INTO THE SOIL BY DISKING OR SCARIFYING. THE FILL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 STANDARD PROCEDURES. ADEQUATE DRAINAGE SHOULD BE PROVIDED PRIOR TO AND DURING SITE WORK. THE SITE SHOULD BE GRADED TO PROMOTE RAPID RUNOFF.
5. THE POOL DECKING IS EXPECTED TO HAVE APPROXIMATELY 1 TO 1-1/2 FT OF FILL ADDED TO THE NATURAL GRADE. THE SITE SHALL BE STRIPPED OF ALL TOPSOIL WITH ORGANICS AND OTHER DELETERIOUS MATERIALS AS WELL AS UNDERCUTTING THE SURFICIAL SILTY SOIL AS NECESSARY TO PROVIDE A STABLE SUBGRADE. THE DEPTH OF STRIPPING IS EXPECTED TO BE APPROXIMATELY 6 TO 8 INCHES. HOWEVER, THE ACTUAL STRIPPING AND UNDERCUTTING DEPTHS SHOULD BE DETERMINED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION.
6. THE POOL SHALL BE EXCAVATED TO REMOVE ANY SOFT CLAY(S) AND REPLACED WITH ENGINEERED FILL ACCORDING TO THE RECOMMENDATIONS FROM STRATUM ENGINEERING.
7. THE POOL SHALL BE CONSTRUCTED UTILIZING A STEEL GRID MATRIX OF NUMBER 3 (#3) BAR SIZE STEEL DEFORMED REBAR, GRADE 60 CONFORMING TO ASTM A615, (REBAR WITH PROTRUSIONS TO PROVIDE A MECHANICAL BOND) SPACED 10" ON CENTERS, UNLESS SHOWN OTHERWISE, IN BOTH DIRECTIONS TO INSURE THE STRUCTURAL INTEGRITY OF THE POOL SHELL. ANY REINFORCING STEEL THAT IS PLACED WITH LESS THAN 3" CLEARANCE TO EITHER SOIL OR POOL WATER SHALL HAVE A FUSION-BONDED EPOXY COATING.
8. REINFORCING STEEL SHALL BE OVERLAPPED, ESPECIALLY AROUND CORNERS, SIDE TO BOTTOM, SIDE TO DECK, AND LINEAR EXTENSIONS SHALL BE A MINIMUM OF 18" OVERLAP AND SECURED IN SUCH A MANNER TO PREVENT MOVEMENT.
9. CARE SHALL BE TAKEN SO THAT REINFORCEMENT BARS SHALL BE FREE FROM MUD, OIL OR OTHER NONMETALLIC COATINGS THAT DECREASE THE CONCRETE/REBAR BOND.
10. POOL FACETS SUCH AS INLETS, OUTLETS, DRAINS, LIGHTING FIXTURES AND ADDITIONAL APPURTENANCES SHALL BE SUPPORTED BY DIAGONAL GRIDS (#4 REBAR) SUPERIMPOSED ON THE 12" GRID MATRIX. DIAGONAL GRIDS SHALL BE SECURED IN SUCH A MANNER AS TO PREVENT MOVEMENT.
11. THE CONCRETE SHELL OF THE POOL SHALL BE A SPRAY SHOTCRETE TYPE, EITHER WET-MIX OR DRY-MIX. (DRY-MIX TYPE IS COMMONLY REFERRED TO BY THE TRADEMARK NAME OF GUNITE.) THE THICKNESS OF THE BOTTOM SHALL BE A MINIMUM OF 8 INCHES, WALLS SHALL BE A MINIMUM OF 10 INCHES AND THE SURROUNDING DECK, (A MINIMUM OF 4' FROM THE POOL EDGE) SHALL BE 4" THICK REINFORCED CONCRETE.

COMPRESSIVE STRENGTH FOR POOL SHELL, SHALL MEET ASTM C109 / ASTM C39 :

	SHOTCRETE FINE	SHOTCRETE MS FINE	SHOTCRETE MS COARSE	SHOTCRETE MS FINE W/POLYPROPYLENE FIBER	SHOTCRETE MS COARSE W/STEEL FIBERS
1 DAY	1500 PSI (10.3 MPa)	1750 psi (12.1 MPa)	1750 psi (12.1 MPa)	1750 psi (12.1 MPa)	2500 psi (17.2 MPa)
7 DAYS	3050 PSI (21.0 MPa)	3500 PSI (24.1 MPa)	3500 PSI (24.1 MPa)	3500 PSI (24.1 MPa)	4000 PSI (27.6 MPa)
28 DAYS	5075 PSI (35.0 MPa)	5500 PSI (37.9 MPa)	5500 PSI (37.9 MPa)	5500 PSI (37.9 MPa)	7000 PSI (48.3 MPa)

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
Chief Engineer: Brian Mitchem, PE
554 Old Spanish Trail
Stell, LA 70588
www.dammonengineering.com
info@dammonengineering.com
Ph: 985.649.5832

REVISIONS

#	DESCRIPTION	DATE
1	Add Plan View of Pergola Column Grade Beam	5/29/2018



TERRABELLA POOL
NEW POOL
[PROJECT ADDRESS]
DATE: 5/29/2018
DRAWN BY: CJD
CHECKED BY: CJD

SHEET TITLE:
POOL CROSS SECTIONS
DRAWING NUMBER:
PL-1.2
SHEET No: 3 of 6