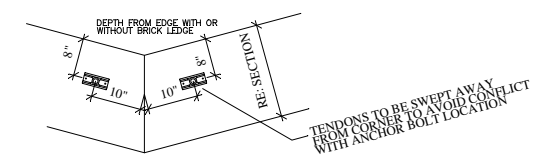


NOTE:
ENTIRE SLAB REQUIRES 6x6x #10 WWF
IN ADDITION TO POST TENSION CABLES.

POOL SHALL BE CONSTRUCTED IN A TIMELY MANNER TO PREVENT CHANGES IN STRENGTH OR MOISTURE CONTENT OF THE SUBSOIL. REMOVE A MINIMUM OF 12" OF EXISTING SOIL AND ALL UNSTABLE SOIL PRIOR TO PLACING ANY FILL. SUBSURFACE DRAINAGE REQUIRED BETWEEN POOL AND HOUSE TO PREVENT SATURATION OF THE SUBBASE. "DEC-O-DRAIN(S)" ARE NOT ACCEPTABLE. DRAIN SHALL DISCHARGE AWAY FROM THE FOUNDATION AREA.

- SPECIFICATIONS – SLAB ON GRADE
- This plan is to be only for the location below:
MILITARY ROAD, PEARL RIVER
ST. TAMMANY PARISH, LOUISIANA
 - The concrete mix should yield a minimum compressive strength of 3000 p.s.i. at 28 days. Concrete design mix shall be in accordance with ACI-318 (latest version). No chlorides shall be allowed.
 - Concrete shall have a minimum compressive strength of 1500 p.s.i. at time of stressing.
 - All conventional reinforcing steel shall meet ASTM-A615 (Grade 60). Reinforcing steel shall be detailed and accessories provided in accordance with the latest "ACI Manual of Standard Practice for Detailing Reinforced Concrete Structures".
 - All Prestressing steel shall consist of seven-wire low relaxation strand conforming to ASTM-A416. Minimum ultimate tensile strength shall be 270 ksi. Strands shall be coated with a permanent rust preventive lubricant and a plastic sheath of at least 0.040 inches thick. Reinforcement shall have 3" cover in the grade beam bottoms, 2" cover in the beam sides and top, 1 1/2" cover in the slab top and bottoms, unless noted otherwise.
 - Concrete shall be well consolidated especially in the vicinity of the tendon anchors.
 - 1 layer of 6 mil (min) polyethylene vapor barrier shall be placed under all concrete, except beam bottom & exterior face.
 - Tendons and bars shall be securely supported to prevent both vertical and horizontal movement during concrete placing. No tendon will be unsupported for more than 5 feet.
 - If tendon sheathing is damaged or removed from live end anchor more than 2" it SHALL be repaired. "Duck" tape is not allowed to touch actual strand. Replace sheathing prior to taping. If tendon sheathing is damaged or removed along length of the tendon for approximately 4" or more it should be repaired. Sheathing behind a fixed anchor may be removed for 12" to 14".
 - Concrete shall be well consolidated especially in the vicinity of the tendon anchors.
 - The contractor shall verify all drops, off-sets, brick ledges, and block outs and Architectural plans and notify the Engineer of any discrepancies that may exist.
 - The contractor shall be responsible for coordination of the structural drawings with all other drawings.
 - The tendon location at the end of the grade beam is to be a "minimum" of 6" from the top of the slab to the CGS of the tendon.
 - Tendons are to be stressed no earlier than 6 days and no later than 14 days after concrete placement. Contractor to remove all form work prior to stressing of tendons.
 - Loading of the slab prior to tensioning shall not be done without the approval and direction of the design Engineer.
 - Grade Beam sizes may vary by -10%, +20%. Tendons may be moved 12" horizontally to avoid conflicts. Alteration to or deviation from the information shown on this sheet without the written advance approval from Acadian Structural Solutions will void designer's responsibility.
 - All tendons to be 1/2" in diameter.
 - Stressing: 1/2" strand stress to 33.0 kips – anchor at 28.9 kips.
 - This plan is for grade beam location and tendon layout only. Refer to Architectural plans for setting forms.
 - All subgrade fill shall be select granular material compacted to 90% standard Procter density in a maximum of 6" lifts.
 - A minimum of 4" of concrete will be maintained throughout the entire slab.
 - All runoff water must be carried away from the slab to prevent saturation of the sub-base.
 - All trees within close proximity shall be removed to prevent the roots from extending under the slab.
 - Remove a minimum of 12" of existing soil and all unstable soil prior to placing any fill.
 - Maximum of 3.0 feet of fill may be placed on the site. Maximum differential fill shall not exceed 20%.
 - Tendons, pocket formers, plastic chairs, anchors, wedges to be as manufactured by Tech-Con Systems, Inc., Slidell, LA. or approval equal.
 - No field supervision provided under this seal unless otherwise noted.
 - Exterior footings will have a minimum of 12" embedment below finished grade.
 - Contractor to install all floating forms, porch brick ribbon forms, and any brick-ledges greater than 6" deep before P.T. cable placement. Do not install brick-ledges less than 6" deep prior to tendon installation.
 - Seal is lot specific and for structural design only. Drawing and design valid for one (1) year after latest date in title block.

POST TENSIONING MATERIALS LIST													
TENDON MARK NO.	No. STRANDS	STRUCTURAL LENGTH	JACK EXTENSION	TOTAL TENDON LENGTH	LIVE END ANCHORS	INTERNAL ANCHORS	DEAD END ANCHORS	REQUIRED ELONGATION (INCHES)			FORCE (KIPS)	COLOR CODE	
								-7%	NOM.	+7%			
A1	18	108'11"	2'1"	111'0"	18	-	18	8	8 5/8	9 1/4	28.9	33.0	BLUE
A2	2	111'6"	2'0"	113'6"	2	-	2	8 1/4	8 7/8	9 1/2			GREEN
A3	2	113'4"	2'2"	115'6"	2	-	2	8 3/8	9	9 5/8			RED
A4	4	114'10"	2'2"	117'0"	4	-	4	8 1/2	9 1/8	9 3/4			YELLOW
A5	2	67'11"	2'1"	70'0"	2	-	2	5	5 3/8	5 3/4			PURPLE
A6	14	62'10"	2'2"	65'0"	14	-	14	4 5/8	5	5 3/8			WHITE
A7	2	42'3"	2'3"	44'6"	2	-	2	3 1/8	3 3/8	3 1/2			GRAY
A8	8	58'3"	2'3"	60'6"	8	-	8	4 1/4	4 5/8	4 7/8			BROWN
B1	6	23'3"	2'3"	25'6"	6	-	6	1 5/8	1 3/4	1 7/8			BLUE GREEN
B2	16	144'4"	4'2"	148'6"	32	-	0	10 5/8	11 1/2	12 1/4			BLUE RED
B3	10	55'9"	2'3"	58'0"	10	-	10	4 1/8	4 3/8	4 3/4			BLUE YELLOW
B4	4	54'11"	2'1"	57'0"	4	-	4	4	4 3/8	4 5/8			BLUE PURPLE
B5	26	33'4"	2'2"	35'6"	26	-	26	2 3/8	2 5/8	2 3/4			BLUE WHITE
C1	4	18'0"	2'0"	20'0"	4	-	4	1 1/4	1 3/8	1 1/2			BLUE GRAY
C2	6	21'0"	2'0"	23'0"	6	-	6	1 1/2	1 5/8	1 3/4			BLUE BROWN
D1	7	25'4"	2'2"	27'6"	7	-	7	1 7/8	2	2 1/8			GREEN RED
D2	2	14'0"	2'0"	16'0"	2	-	2	1	1 1/8	1 1/4			GREEN YELLOW



TYPICAL ANCHOR PLACEMENT AT CORNERS FOR SHEARWALL LOCATIONS

POST TENSION LAYOUT
DO NOT USE THIS PLAN TO SET FORMS!

THIS SLAB REQUIRES A PARTIAL STRESS 18 TO 24 HOURS AFTER CONCRETE PLACEMENT. CONTRACTOR TO COORDINATE.

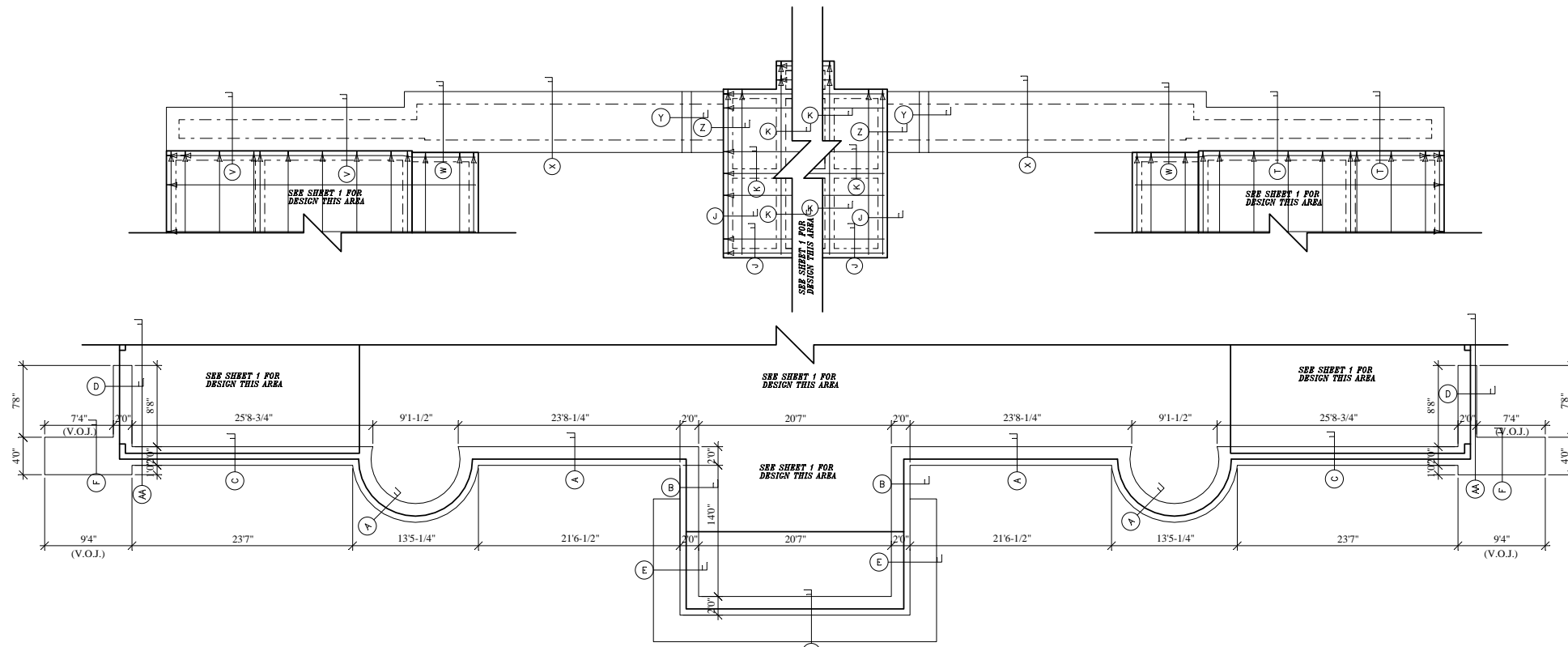
NOTE:
IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE GOOD DRAINAGE AWAY FROM THE FOUNDATION FROM THE TIME FORMS ARE SET UNTIL THE CONSTRUCTION OF THE BUILDING IS COMPLETE. GOOD DRAINAGE MUST BE MAINTAINED FOR THE DURATION OF THE BUILDING.

K.B. KAUFMANN & CO., INC.
MILITARY RD., PEARL RIVER, ST. TAMMANY PARISH, LA.
ACADIAN STRUCTURAL SOLUTIONS
57362 ALLEN RD. SLIDELL, LA. 70461

SCALE: 1/8" = 1'0"
DATE: 30 MAY 14
DRAWN BY: CES
PROJECT No.: 507-14
SHEET 1 OF



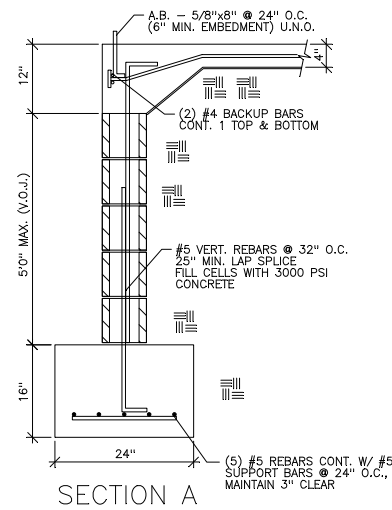
HOUSE P.T. SLAB AREA = 11924.2 sq. ft.
PAVILION P.T. SLAB AREA = 498 sq. ft.
WIRE MESH AREA = 13102.2 sq. ft.
TOTAL DESIGN AREA = 13462 sq. ft.



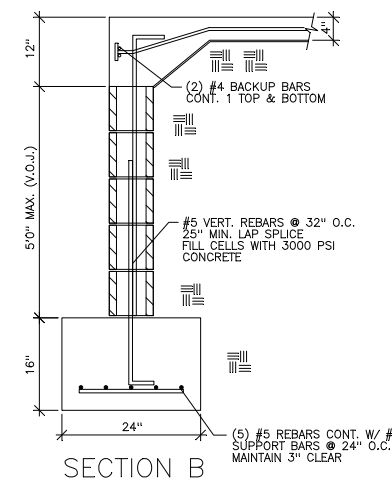
LOWER FOOTING LAYOUT

SPECIFICATIONS – SLAB ON GRADE REINFORCED CONCRETE

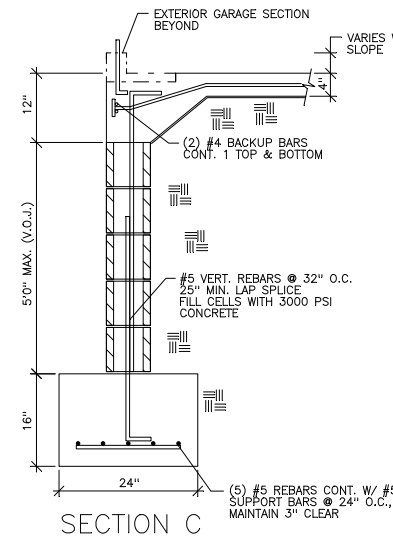
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MILITARY ROAD, PEARL RIVER
ST. TAMMANY PARISH, LOUISIANA
- The concrete mix should yield a minimum compressive strength of 3000 p.s.i. (u.n.o.) at 28 days. Concrete design mix shall be in accordance with ACI-318 (latest version). No chlorides shall be allowed.
- All conventional reinforcing steel shall meet ASTM-A615 (Grade 60). Reinforcing steel shall be detailed and accessories provided in accordance with the latest "ACI Manual of Standard Practice for Detailing Reinforced Concrete Structures".
- All splices shall be Class B as per 2008 ACI 318-08.
- Reinforcement shall have 3" cover in the grade beam bottoms, 2" cover in the beam sides and top, 1 1/2" cover in the slab top and bottoms, unless noted otherwise.
- 1 layer polyethylene vapor barrier shall be placed under all concrete.
- Bars shall be securely supported to prevent both vertical and horizontal movement during concrete placing.
- Concrete shall be well consolidated.
- The contractor shall verify all drops, off-sets, brick ledges, and block outs and Architectural plans and notify the Engineer of any discrepancies that may exist.
- The contractor shall be responsible for coordination of the structural drawings with all other drawings.
- Grade beam sizes may vary by -10%, +20%.
- Alteration to or deviation from the information shown on this sheet without the written advance approval will void designer's responsibility.
- This plan is for grade beam location only. Refer to Architectural plans for setting lines.
- All subgrade fill shall be select granular material compacted to 95% STD Procter density in a maximum of 6" lifts.
- A minimum of 4" of concrete will be maintained throughout the entire slab.
- All runoff water must be carried away from the slab to prevent saturation of the sub-base.
- All trees within close proximity shall be removed to prevent the roots from extending under the slab.
- Remove a minimum of 12" of existing soil and all unstable silt prior to placing any fill.
- No field supervision provided unless otherwise noted.
- Exterior footing will have a minimum of 12" embedment below finished grade.



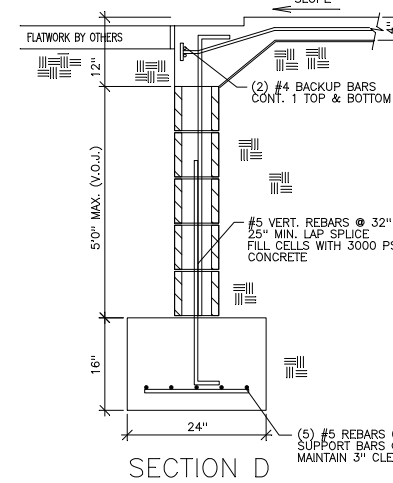
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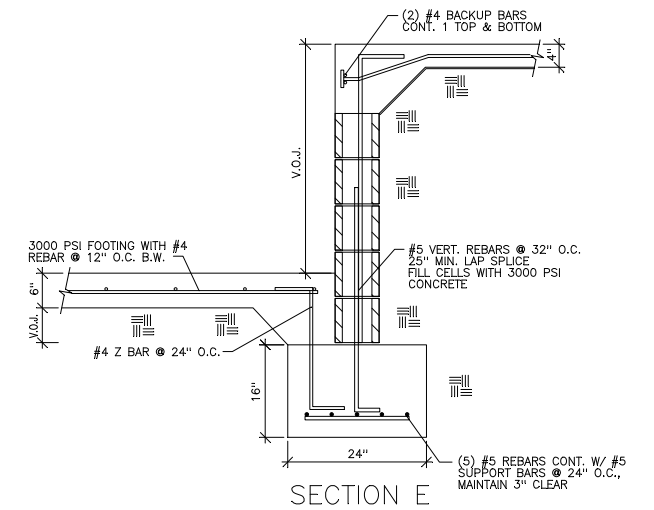
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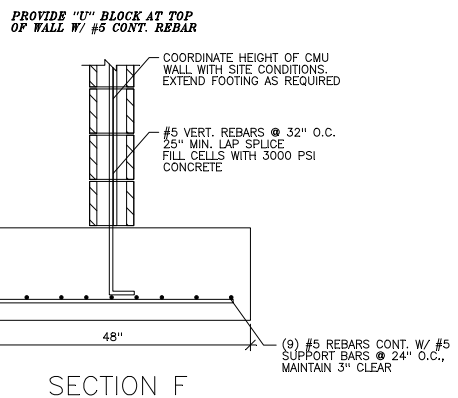
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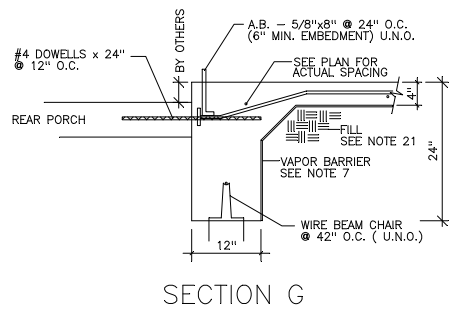
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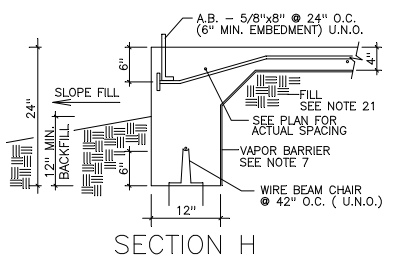
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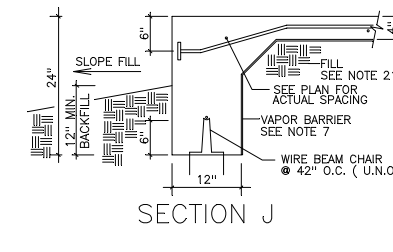
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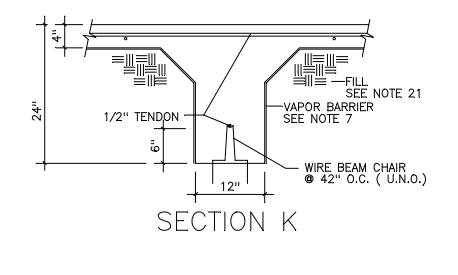
SECTION G



SECTION H

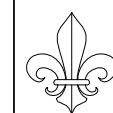
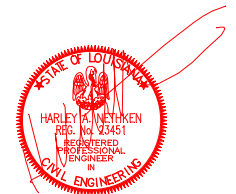


SECTION J



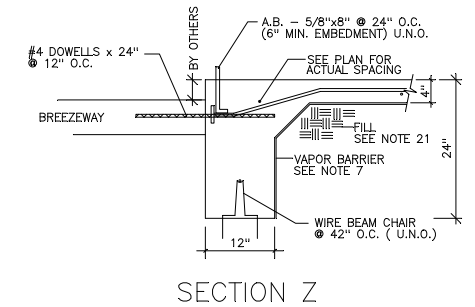
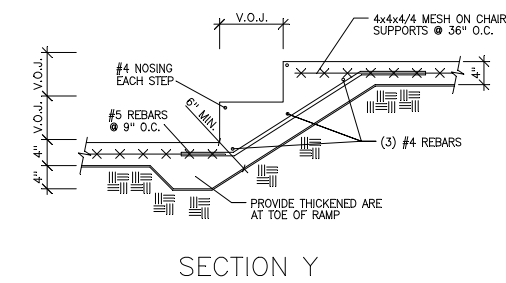
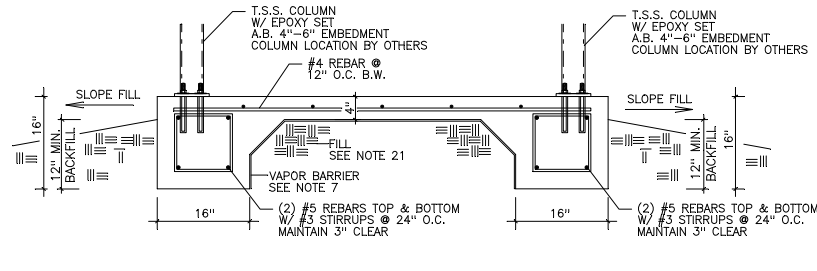
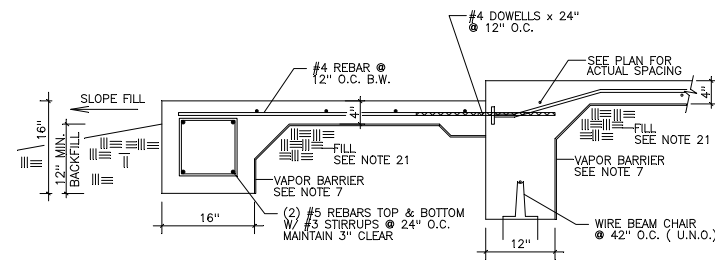
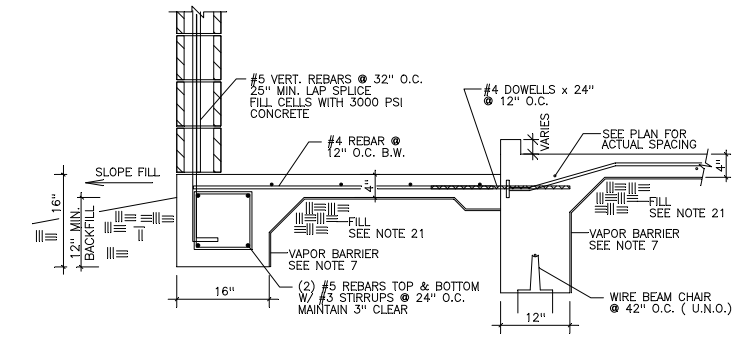
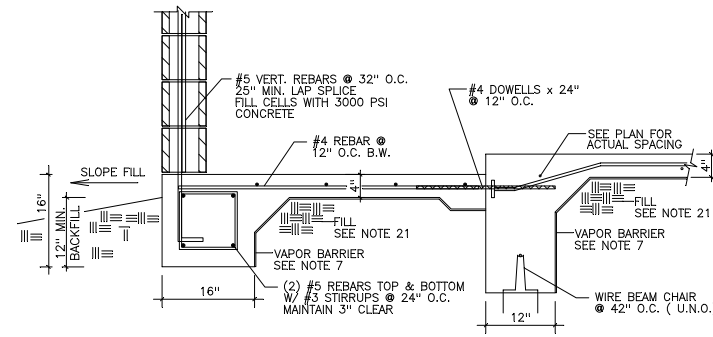
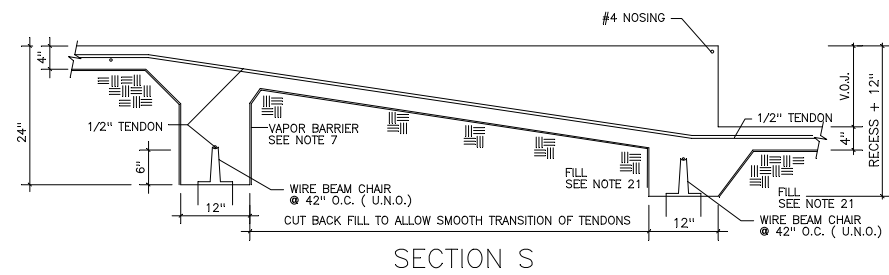
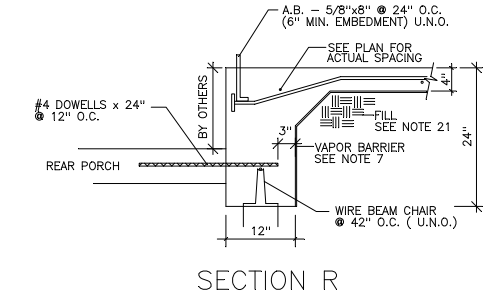
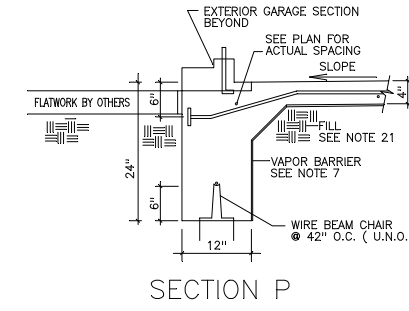
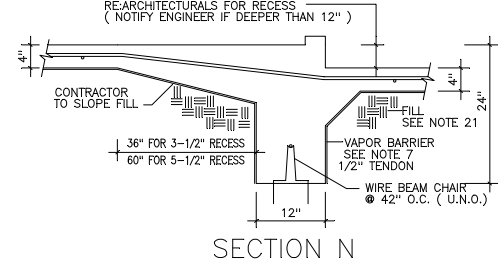
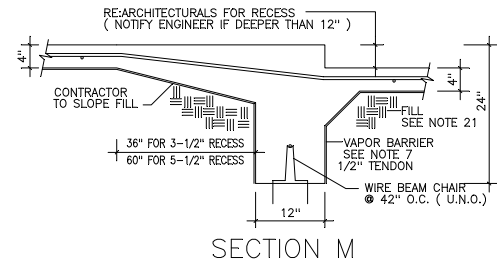
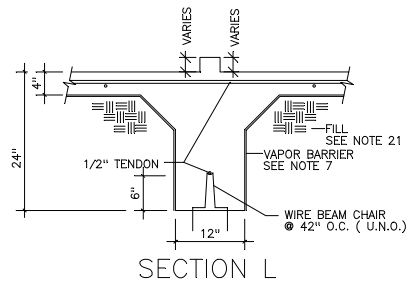
SECTION K

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ACADIAN STRUCTURAL SOLUTIONS
57362 ALLEN RD. SLIDELL, LA. 70461

SCALE 1/8" = 10"	DATE 30 MAY 14	DRAWN BY CES	PROJECT No. 507-14 SHEET 2 OF
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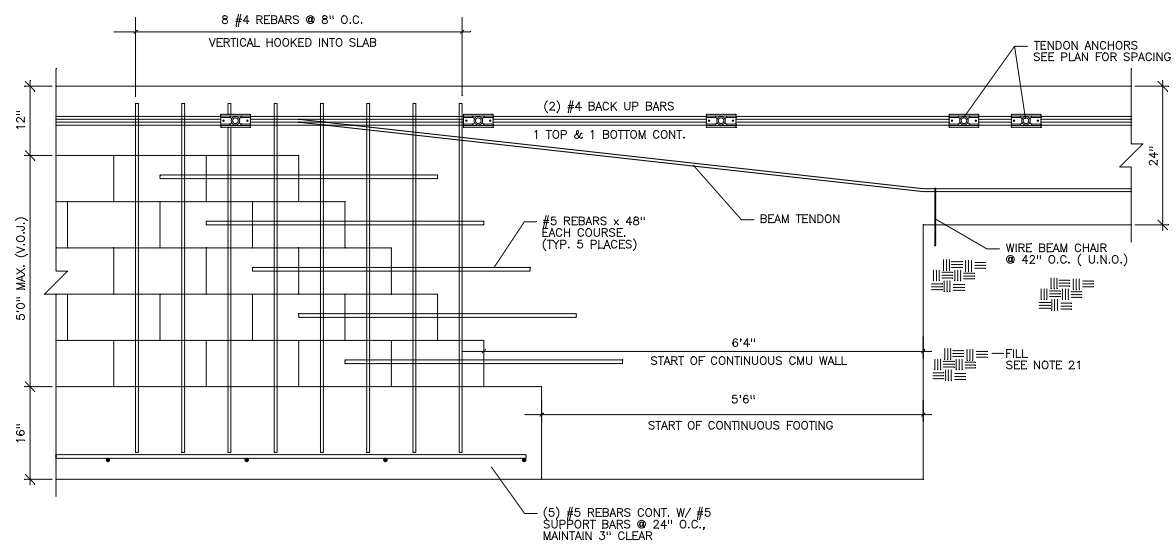


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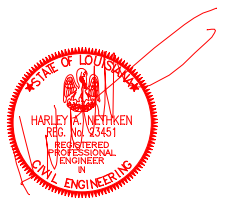
SECTION X

SECTION Y

SECTION Z



SECTION AA



	K.B. KAUFMANN & CO., INC. MILITARY RD., PEARL RIVER, ST. TAMMANY PARISH, LA ACADIAN STRUCTURAL SOLUTIONS 57362 ALLEN RD. SLIDELL, LA. 70461			
	SCALE N.T.S.	DATE 30 MAY 14	DRAWN BY CES	PROJECT No. 507-14 SHEET 3 OF 4