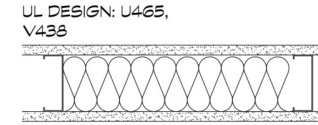




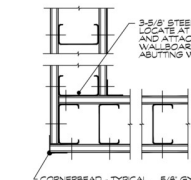
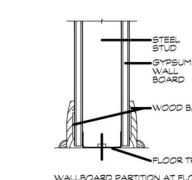
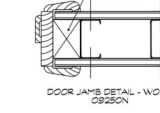
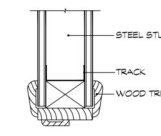
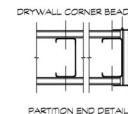
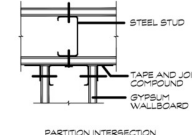
569.0 FT





5/8" FIRE-SHIELD GYPSUM BOARD
3 5/8" 25GA. STEEL STUDS 16" O.C.
3 1/2" GLASS FIBER INSULATION
5/8" FIRE-SHIELD GYPSUM BOARD

STC 43
TEST: NGC 2502

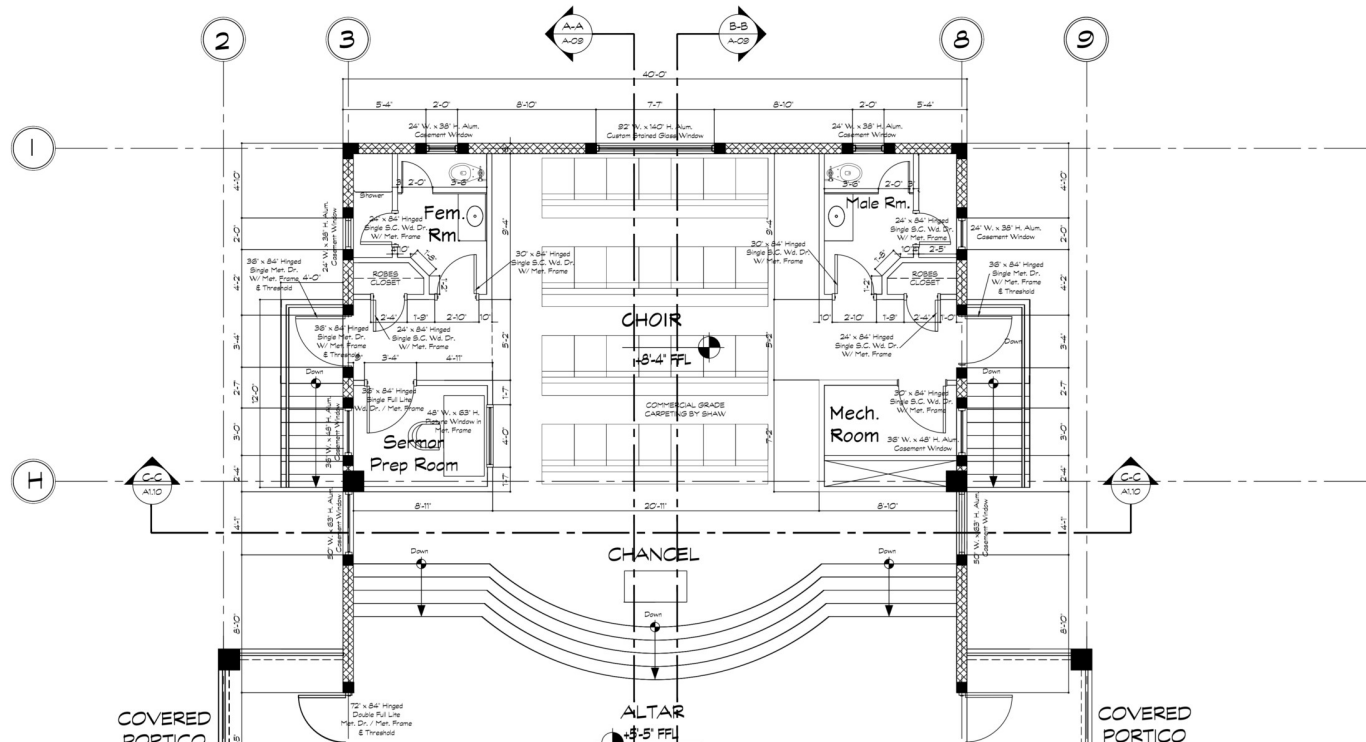


DATE: 05/01/24 SCALE: 3/4" = 1'-0" 1 HOUR PARTITION TO CONCRETE SLAB DETAIL: 88-10

ALL DETAILS (TYP.)

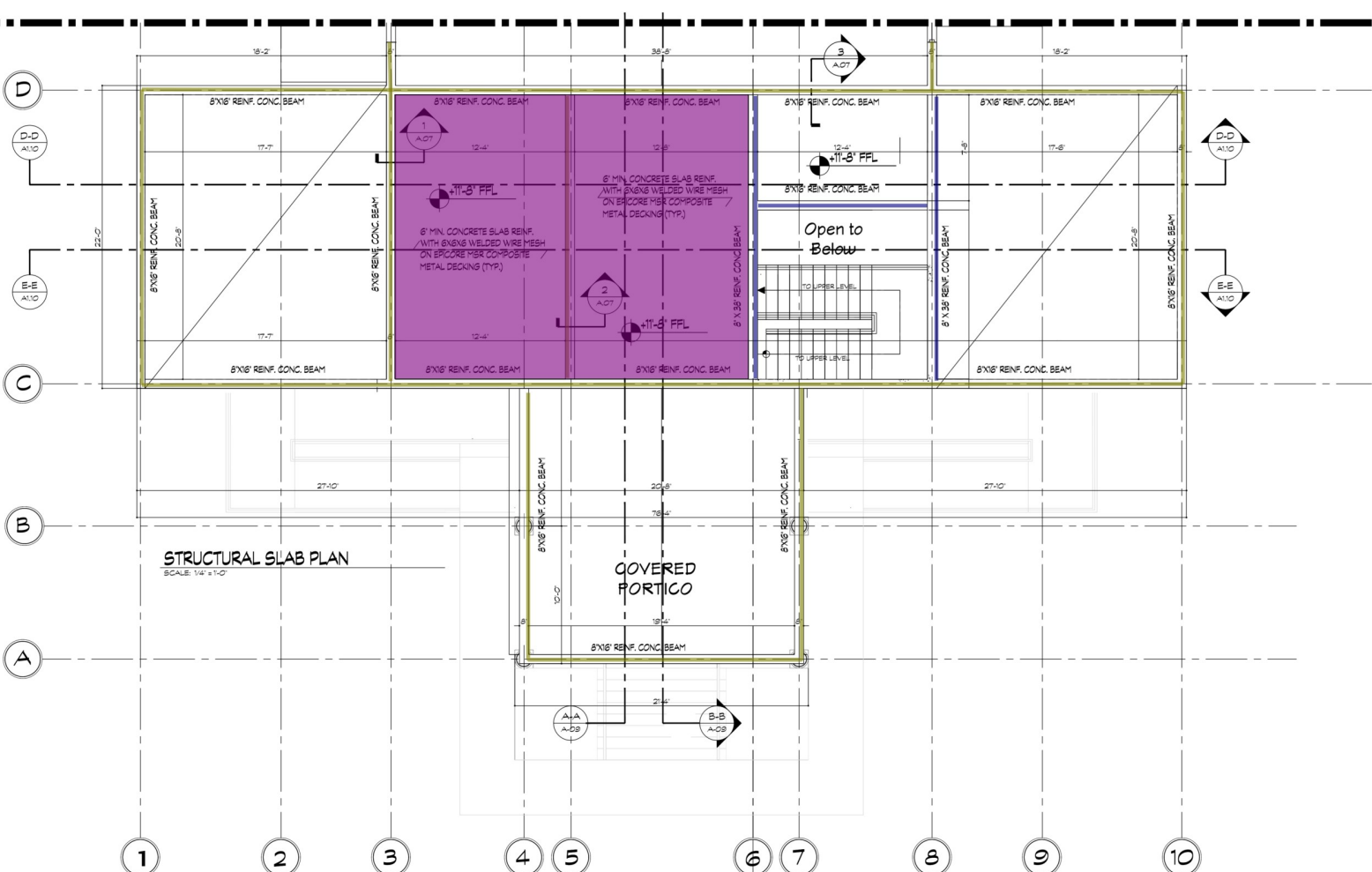


BID CRAFTERS

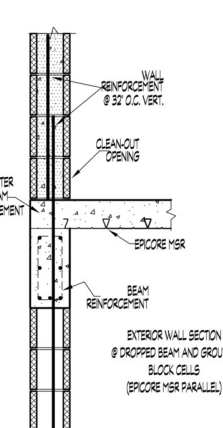


- 6" Thk Concrete slab / 6x6x6 Welded wire mesh / E... 530.5 SQ FT
- 8"x16" Concrete beam 301.7 FT
- 8"x36" Concrete beam 53.5 FT

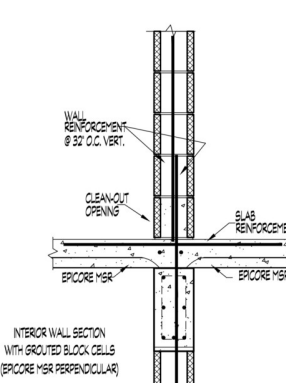
ENLARGED FLOOR PLAN OF CHANCEL AREA
SCALE: 1/4" = 1'-0"



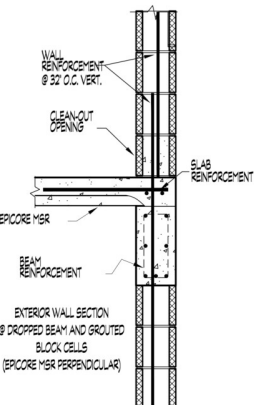
STRUCTURAL SLAB PLAN
SCALE: 1/4" = 1'-0"



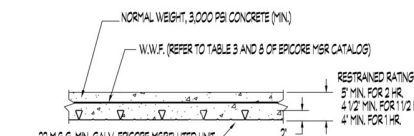
1 EXTERIOR WALL & SLAB DETAIL (TYP.)
A1.06 1/4" = 1'-0"



2 INTERMEDIATE WALL & BEAM DETAIL (TYP.)
A1.06 1/4" = 1'-0"



3 INTERNAL WALL & BEAM DETAIL (TYP.)
A1.06 1/4" = 1'-0"



SEE UNDERWRITERS LAB FIRE ASSEMBLY DESIGN
NO. D388 FOR ADDITIONAL RATINGS IN
LATEST U.L. FIRE RESISTANCE DIRECTORY.

4 CONC. SLAB W/ EPICORE DETAILS (TYP.)
A1.06 1/4" = 1'-0"



DESCRIPTION

BID CRAFTERS

QTY.	WAST AGE	QTY WITH WAST AGE	UNI T	UNIT LABOR COST	TOTAL LABOR COST	PER HOUR WAGE	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST
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DESCRIPTION	QTY.	WASTE	QTY	UNIT	UNIT	TOTAL	PER	UNIT	TOTAL	ITEM COST	TRADE
		AGE	WITH	T	LABOR	LABOR	HOUR	MATERIAL	MATERIAL		COST
Concrete											\$80,999
							\$ 24.1				
Concrete Pad Footing											
(2'-8"x2'-8") Concrete pad footing (16 EA)	4	5%	5	CY	6.000	\$ 723.3	\$ 24.1	\$ 187.2	\$ 936.2	\$ 1,659	
#4 Steel bars	225	5%	236	LBS	0.018	\$ 102.4	\$ 24.1	\$ 1.9	\$ 439.0	\$ 541	
Concrete Cont. Footing											
(3'-0"WX1'-0" Thk) Concrete cont footing (738 LF)	82	5%	87	CY	2.000	#####	\$ 24.1	\$ 187.2	\$16,289.3	\$ 20,484	
#4 Horizontal bars	###	5%	####	LBS	0.009	\$ 449.4	\$ 24.1	\$ 0.9	\$ 1,926.0	\$ 2,375	
#4 Transvers bars @ 24" O.C	739	5%	777	LBS	0.009	\$ 168.6	\$ 24.1	\$ 0.9	\$ 722.6	\$ 891	
Beams											
8"x20" Concrete beam (527LF)	21	5%	23	CY	2.000	#####	\$ 24.1	\$ 187.2	\$ 4,306.4	\$ 5,415	
#5 Longitudinal bars	###	5%	####	LBS	0.009	#####	\$ 24.1	\$ 0.9	\$ 4,294.7	\$ 5,297	
#3 Ties @ 12" O.C	793	5%	833	LBS	0.009	\$ 180.8	\$ 24.1	\$ 0.9	\$ 774.7	\$ 955	
8"x16" Concrete beam(301LF)	10	5%	11	CY	2.500	\$ 663.0	\$ 24.1	\$ 187.2	\$ 2,059.6	\$ 2,723	
#5 Longitudinal bars	###	5%	####	LBS	0.009	\$ 500.8	\$ 24.1	\$ 0.9	\$ 2,146.4	\$ 2,647	
#3 Ties @ 12" O.C	453	5%	476	LBS	0.009	\$ 103.3	\$ 24.1	\$ 0.9	\$ 442.7	\$ 546	
8"x36" Concrete beam(53LF)	4	5%	5	CY	3.000	\$ 361.7	\$ 24.1	\$ 187.2	\$ 936.2	\$ 1,298	
#5 Longitudinal bars	553	5%	581	LBS	0.009	\$ 126.1	\$ 24.1	\$ 0.9	\$ 540.3	\$ 666	
#3 Ties @ 12" O.C	80	5%	84	LBS	0.009	\$ 18.2	\$ 24.1	\$ 0.9	\$ 78.1	\$ 96	
8"x12" Parapet Concrete beam(90LF)	4	5%	5	CY	3.000	\$ 361.7	\$ 24.1	\$ 187.2	\$ 936.2	\$ 1,298	
#5 Longitudinal bars	657	5%	690	LBS	0.009	\$ 149.7	\$ 24.1	\$ 0.9	\$ 641.7	\$ 791	
#3 Ties @ 12" O.C	135	5%	143	LBS	0.009	\$ 31.0	\$ 24.1	\$ 0.9	\$ 133.0	\$ 164	
Window Sill											
(2" Thkx10" W) Concrete window sill	246	5%	259	LF	0.018	\$ 112.4	\$ 24.1	\$ 2.4	\$ 621.6	\$ 734	

DESCRIPTION	QTY.	WASTE AGE	QTY WITH	UNIT	UNIT LABOR	UNIT LABOR	PER FOOT	IN FOOT	TOTAL MATERIAL	TEST COST	TRADE COST
Concrete Slab											
6" Thk Concrete slab	119	5%	125	CY	2.000	#####	\$ 24.1	\$ 32.5	\$ 4,062.5	\$ 10,090	
6x6x6 W.W.M	###	5%	###	SF	0.004	\$ 649.3	\$ 24.1	\$ 0.6	\$ 4,283.9	\$ 4,933	
4" Thk Granular base	78	5%	83	CY	0.850	#####	\$ 24.1	\$ 32.5	\$ 2,697.5	\$ 4,398	
6" Thk Concrete slab on metal deck	10	5%	11	CY	3.000	\$ 795.6	\$ 24.1	\$ 187.2	\$ 2,059.6	\$ 2,855	
6x6x6 W.W.M	530	5%	557	SF	0.004	\$ 53.7	\$ 24.1	\$ 0.6	\$ 354.4	\$ 408	
Stair Slab											
6" Thk Stair slab	6	5%	7	CY	1.300	\$ 219.4	\$ 24.1	\$ 32.5	\$ 227.5	\$ 447	
#4 Steel bars @ 16" O.C	320	5%	336	LBS	0.009	\$ 72.9	\$ 24.1	\$ 0.9	\$ 312.5	\$ 385	
Thickend Slab Edge											
(9"X6") Thickened slab edge (568 LF)	8	5%	9	CY	1.300	\$ 282.1	\$ 24.1	\$ 32.5	\$ 292.5	\$ 575	
#4 Cont steel bar	375	5%	394	LBS	0.009	\$ 85.5	\$ 24.1	\$ 0.9	\$ 366.4	\$ 452	
Subgrade Compaction											
Slab	###	5%	###	SF	0.010	#####	\$ 24.1	\$ -	\$ -	\$ 1,623	
Footings	###	5%	###	SF	0.010	\$ 560.6	\$ 24.1	\$ -	\$ -	\$ 561	
Moisture Barrier:											
Moisture Barrier for concrete pad footing	96	5%	101	SF	0.008	\$ 19.5	\$ 24.1	\$ -	\$ -	\$ 19	
Moisture Barrier for concrete cont. footing	###	5%	###	SF	0.008	\$ 299.0	\$ 24.1	\$ -	\$ -	\$ 299	
10Mil Vapor Barrier for concrete slab	###	5%	###	SF	0.008	#####	\$ 24.1	\$ -	\$ -	\$ 1,299	
Formwork:											
Formwork for pad footing	96	5%	101	SF	0.025	\$ 60.9	\$ 24.1	\$ -	\$ -	\$ 61	
Formwork for cont. footing	###	5%	###	SF	0.025	\$ 934.3	\$ 24.1	\$ -	\$ -	\$ 934	
Formwork for concrete slab	106	5%	112	SF	0.025	\$ 67.5	\$ 24.1	\$ -	\$ -	\$ 68	
Formwork for concrete beams	###	5%	###	SF	0.025	#####	\$ 24.1	\$ -	\$ -	\$ 2,502	
Mobilization											
Mobilization For Steel/Reinforcement	6	5%	7	TONS	3.000	\$ 506.3	\$ 24.1	\$ -	\$ -	\$ 506	
Masonry											#####
							\$ 22.1				
CMU											



United States Department of Agriculture
Forest Service

USDA FOREST SERVICE
REGION 8

PROJECT NAME

**CHATTOOGA
RIVER WORK
CENTER**

**9975 Highway 441S
Lakemont, GA
30552**

DRAWING TITLE

FOUNDATION PLAN

DATE SIGNED

12-18-2023

ARCHIVE NO.

DESIGNER
MH

DRAWN
MH

CHECKED
MH

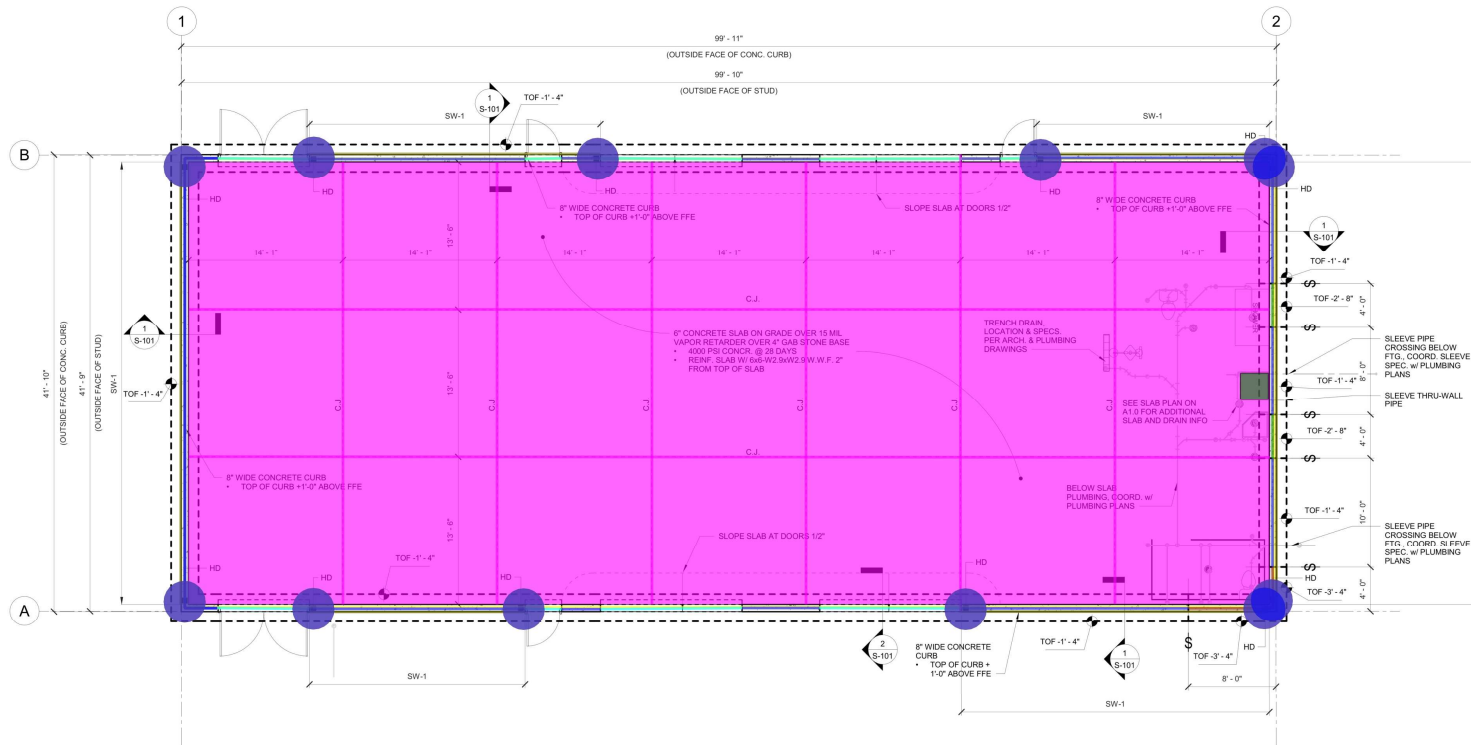
PROJECT NO.
2022-419

DWG SHEET NO.

S-101

SHEET

4 OF 6



FOUNDATION PLAN
3/16" = 1'-0"

FOUNDATION NOTES

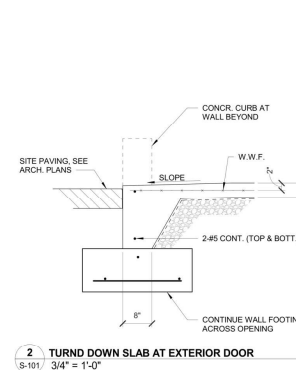
■ HOLD-DOWN ANCHOR WITH STUD-PAK PER WOOD SHEAR WALL SCHEDULE ON S-303

OUTSIDE FACE OF STUD
T 1/2"

SHEATHING (SEE ARCH. PLANS)

- 2'-6" x 1'-0" Concrete Footing
- 8" Thk. x 2'-4"H Concrete Curb
- 6" Concrete Slab On Grade
- 6" Raised Concrete Pad
- Thickened Edge
- 8" Thk. x 4'-4"H Concrete Curb
- 8" Thk. x 3'-8"H Concrete Curb
- Tag: SW-1
- HDU5 Hold Down W/ - 5/8" x 6" LDT Anchor
- (2)2x4 Wood Post
- Control Joint

280.6 FT	229.9 FT	3991.9 SQ FT	6.2 SQ FT	78.4 FT	11.4 FT	8.0 FT	178.6 FT	12.0 EA	12.0 EA	441.2 FT
2'-6" x 1'-0" Concrete Footing	8" Thk. x 2'-4"H Concrete Curb	6" Concrete Slab On Grade	6" Raised Concrete Pad	Thickened Edge	8" Thk. x 4'-4"H Concrete Curb	8" Thk. x 3'-8"H Concrete Curb	Tag: SW-1	HDU5 Hold Down W/ - 5/8" x 6" LDT Anchor	(2)2x4 Wood Post	Control Joint





BID CRAFTERS

DESCRIPTION	UNIT	QUANTITY	WASTE	QUANTITY W/ WASTE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUBTOTAL
CONCRETE										
CAST IN PLACE CONCRETE						\$ 18.05				
CONTL. FOOTING										
2'-6" x 1'-0" Concrete Footing (281 LF)	CY	26	10%	29	2.000	\$ 18.05	\$ 36.10	\$ 185.42	\$ 221.52	\$ 6,340
Horizontal Reinforcement (3) #5 Cont. Bar	LBS	879	10%	967	0.009	\$ 18.05	\$ 0.16	\$ 0.93	\$ 1.09	\$ 1,057
Short Side Reinforcement #4 @48" O.C.	LBS	95	10%	105	0.009	\$ 18.05	\$ 0.16	\$ 0.93	\$ 1.09	\$ 114
Formwork	SF	562	10%	618	0.025	\$ 18.05	\$ 0.45	\$ -	\$ 0.45	\$ 279
Excavation	CY	67	10%	73	0.315	\$ 18.05	\$ 5.69	\$ -	\$ 5.69	\$ 417
Backfill	CY	34	10%	38	0.250	\$ 18.05	\$ 4.51	\$ -	\$ 4.51	\$ 170
CURB										
8" Thk. x 2'-4"H Concrete Curb (230 LF)	CY	13	10%	15	2.250	\$ 18.05	\$ 40.61	\$ 185.42	\$ 226.03	\$ 3,306
Reinforcement (3) #5 Bar Each Way. Bottom	LBS	720	10%	792	0.009	\$ 18.05	\$ 0.16	\$ 0.93	\$ 1.09	\$ 865
#4 Dowels @ 48" O.C	LBS	273	10%	301	0.009	\$ 18.05	\$ 0.16	\$ 0.93	\$ 1.09	\$ 328
Formwork	SF	1072	10%	1179	0.025	\$ 18.05	\$ 0.45	\$ -	\$ 0.45	\$ 532
8" Thk. x 3'-8"H Concrete Curb (8 LF)	CY	1	10%	1	20.000	\$ 18.05	\$ 361.00	\$ 185.42	\$ 546.42	\$ 438
Reinforcement (4) #5 Bar Each Way. Bottom	LBS	33	10%	37	0.009	\$ 18.05	\$ 0.16	\$ 0.93	\$ 1.09	\$ 40
#4 Dowels @ 48" O.C	LBS	20	10%	22	0.009	\$ 18.05	\$ 0.16	\$ 0.93	\$ 1.09	\$ 24
Formwork	SF	59	10%	65	0.025	\$ 18.05	\$ 0.45	\$ -	\$ 0.45	\$ 29
8" Thk. x 4'-4"H Concrete Curb (11 LF)	CY	1	10%	1	20.000	\$ 18.05	\$ 361.00	\$ 185.42	\$ 546.42	\$ 710
Reinforcement (5) #5 Bar Each Way. Bottom	LBS	57	10%	63	0.009	\$ 18.05	\$ 0.16	\$ 0.93	\$ 1.09	\$ 69
#4 Dowels @ 48" O.C	LBS	28	10%	31	0.009	\$ 18.05	\$ 0.16	\$ 0.93	\$ 1.09	\$ 34
Formwork	SF	95	10%	105	0.025	\$ 18.05	\$ 0.45	\$ -	\$ 0.45	\$ 47
SLAB										
6" Concrete Slab On Grade (3992 SF) - 4000 PSI	CY	74	10%	81	2.000	\$ 18.05	\$ 36.10	\$ 185.42	\$ 221.52	\$ 18,013
6x6 W2.9 x W2.9	SF	3992	10%	4391	0.006	\$ 18.05	\$ 0.11	\$ 0.55	\$ 0.66	\$ 2,891
15 Mil Vapor Barrier	SF	3992	10%	4391	0.000	\$ 18.05	\$ -	\$ 0.62	\$ 0.62	\$ 2,723
4" GAB Stone Base	CY	74	10%	81	2.000	\$ 18.05	\$ 36.10	\$ 32.50	\$ 68.60	\$ 5,578
THICKENED EDGE										
Thickened Edge (78 LF, 1.6 SF)	CY	5	10%	5	3.000	\$ 18.05	\$ 54.15	\$ 185.42	\$ 239.57	\$ 1,218
(2) #5 Cont. Bar	LBS	163	10%	179	0.009	\$ 18.05	\$ 0.16	\$ 0.93	\$ 1.09	\$ 196
Excavation	CY	5	10%	5	0.315	\$ 18.05	\$ 5.69	\$ -	\$ 5.69	\$ 29
PAD										
6" Raised Concrete Pad (6 SF)	CY	0.1	10%	0.1	20.000	\$ 18.05	\$ 361.00	\$ 185.42	\$ 546.42	\$ 70
6x6 W2.9 x W2.9	SF	6	10%	7	0.006	\$ 18.05	\$ 0.11	\$ 0.55	\$ 0.66	\$ 5
Formwork	SF	5	10%	6	0.315	\$ 18.05	\$ 5.69	\$ -	\$ 5.69	\$ 31
BOLLARDS FOOTING										
2'-0" Dia x 2'-3"D Concrete Footing (27 EA)	CY	7	10%	8	3.000	\$ 18.05	\$ 54.15	\$ -	\$ 54.15	\$ 421
Excavation	CY	7	10%	8	0.315	\$ 18.05	\$ 5.69	\$ -	\$ 5.69	\$ 44
Concrete Required To Fill Bollards	CY	2	10%	2	1.550	\$ 18.05	\$ 27.98	\$ -	\$ 27.98	\$ 63
JOINT										
Control Joint	LF	441	10%	485	0.154	\$ 18.05	\$ 2.78	\$ -	\$ 2.78	\$ 1,349