

Project ID:	Deming Park Pool Renovation
Location:	500 S Fruitridge AVE. Terre Haute , IN 47803
Scope of Work:	Misc. Metal
Date:	

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
DIVISION.01 GENERAL REQUIREMENTS														
1		Supervision and Coordination	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 6,500.00	
2		Submittals and Shop drawings	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 3,500.00	
3		Final Cleaning	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 1,200.00	
4		Mobilization Costs	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 7,000.00	
5		Temporary Control & Facilities	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 1,500.00	
6		Temporary Showing To Support The Existing Structure	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 7,500.00	
Subtotal (General Requirements)														\$ 27,200
DIVISION 02- SITE WORK/ EXISTING CONDITIONS														
S201		Demolition												
		Remove Chemical Roof Framing And Roof Deck	SF	373	0%	373	\$ -	\$ -	0.120	\$ 40.00	\$ 4.80	\$ 1,790.40	\$ 1,790.40	
		Remove Existing Roof Decking And Purlins	SF	2040	0%	2040	\$ -	\$ -	0.085	\$ 40.00	\$ 3.40	\$ 6,936.00	\$ 6,936.00	
9		Remove Existing Column	EA	6	0%	6	\$ -	\$ -	3.500	\$ 40.00	\$ 140.00	\$ 840.00	\$ 840.00	
Subtotal (Site Work/ Existing Conditions)														\$ 9,566
DIVISION 04- Metal														
S201 To A601		Base Bid												
		Angles												
		L6x4x3/8	LF	15	5%	16	\$ 12.00	\$ 189.00	0.250	\$ 40.00	\$ 10.00	\$ 157.50	\$ 346.50	
		(2) L4x4x1/4x3" Long Angle Clips At Each Wind Column	EA	2	0%	2	\$ 35.00	\$ 70.00	0.750	\$ 40.00	\$ 30.00	\$ 60.00	\$ 130.00	
		(4) L6x4x1/4 Angle Spanning Length of Bent Plate	LF	34	5%	36	\$ 10.00	\$ 357.00	0.200	\$ 40.00	\$ 8.00	\$ 285.60	\$ 642.60	
		L2 1/2 x 2 1/2 x 3/16 Coordinate Height W screen Termination Weld To Bent Plate 2 Lines Of 3/16" Fillet Weld At A1-6 Pattern	EA	2	0%	2	\$ 45.00	\$ 90.00	1.500	\$ 40.00	\$ 60.00	\$ 120.00	\$ 210.00	
		Column												
		Hss4x4x3/16 HSS Column (6 EA , 5'-4" H)												
		-Steel Angle Clips At Base Oh HSS Column Both Side w 1/2" Dia Hit Z And Hit-Z-R Anchor Rods												
		-Backer Bars 4 Side	LBs	345	5%	362	\$ 1.85	\$ 670.16	0.020	\$ 40.00	\$ 0.80	\$ 289.80	\$ 959.96	
		Note: Column Detail is Assumed Not Given By Plan & Section												
		Panel & Purlins												
		Replace Roof Decking And Purlins (14 Gauge 4"x 3.5" Zee Purlins) At 5'-0" O.C	SF	2040	5%	2142	\$ 8.50	\$ 18,207.00	0.120	\$ 40.00	\$ 4.80	\$ 10,281.60	\$ 28,488.60	
		Gutter												
		Aluminum Gutter ( Detail Not Given)	LF	146	5%	153	\$ 18.00	\$ 2,759.40	0.150	\$ 40.00	\$ 6.00	\$ 919.80	\$ 3,679.20	
		Flashing												
		Metal Flashing ( Detail Not Given)	LF	146	5%	153	\$ 10.00	\$ 1,533.00	0.100	\$ 40.00	\$ 4.00	\$ 613.20	\$ 2,146.20	
		Downspout												
		Downspout (9' H , 4 EA) Assumed	LF	36	5%	38	\$ 14.00	\$ 529.20	0.200	\$ 40.00	\$ 8.00	\$ 302.40	\$ 831.60	
		Doors												
		(3'-0"x7'-0") Hollow Metal Door W Frame & Hardware	EA	4	0%	4	\$ 1,350.00	\$ 5,400.00	2.500	\$ 40.00	\$ 100.00	\$ 400.00	\$ 5,800.00	
		(5'-0"x7'-0") Hollow Metal Door W Frame & Hardware	EA	2	0%	2	\$ 1,650.00	\$ 3,300.00	3.500	\$ 40.00	\$ 140.00	\$ 280.00	\$ 3,580.00	
		(4'-0"x7'-0") Hollow Metal Door W Frame & Hardware	EA	1	0%	1	\$ 1,500.00	\$ 1,500.00	4.500	\$ 40.00	\$ 180.00	\$ 180.00	\$ 1,680.00	
		(15'-2" W x 7'-7" H) Corrugated/Perforated Metal panel W Frame & Hardware	EA	2	0%	2	\$ 3,800.00	\$ 7,600.00	8.500	\$ 40.00	\$ 340.00	\$ 680.00	\$ 8,280.00	
		Alternate No 4												
		Angles												
		L4x4x1/4 Edge Angle	LF	22	5%	23	\$ 9.00	\$ 207.90	0.180	\$ 40.00	\$ 7.20	\$ 166.32	\$ 374.22	
		L4x4x1/2 ledger Angle Fasten To Existing Wall @ 16" OC	LF	31	5%	33	\$ 32.00	\$ 1,041.60	0.450	\$ 40.00	\$ 18.00	\$ 585.90	\$ 1,627.50	
		- Using SS 1/2" Dia Hilti Has Rods w Hilti HIT HY 270 Adhesive System (4" Embed)												
		L6x4x1/2x6" Long Bearing Angle Weld To Sloped Angle Anchor Into Wall BB W 3/4" Dia Cast In Bolt (6" Embed )	EA	2	0%	2	\$ 185.00	\$ 370.00	1.500	\$ 40.00	\$ 60.00	\$ 120.00	\$ 490.00	
		L6x4x1/4 ledger Angle Fasten To Bond Beam @ 16" OC	LF	31	5%	33	\$ 30.00	\$ 976.50	0.420	\$ 40.00	\$ 16.80	\$ 546.84	\$ 1,523.34	
		- Using SS 1/2" Dia Hilti Has Rods w Hilti HIT 270 Adhesive System (4" Embed)												
		Panel & Purlins												
		Corrugated Metal Panel												
		- 14 Gauge 4" x 2.5" Zee Purlins At 4'-6" OC	SF	360	5%	378	\$ 9.25	\$ 3,496.50	0.140	\$ 40.00	\$ 5.60	\$ 2,116.80	\$ 5,613.30	
		Gutter												
		Aluminum Gutter ( Detail Not Given)	LF	54	5%	57	\$ 18.00	\$ 1,020.60	0.150	\$ 40.00	\$ 6.00	\$ 340.20	\$ 1,360.80	
		Downspout												
		Downspout (9' H , 4 EA) Assumed	LF	36	5%	38	\$ 14.00	\$ 529.20	0.200	\$ 40.00	\$ 8.00	\$ 302.40	\$ 831.60	
		Alternate No 5												
		Post												
		HSS4x4x1/4 Fence Post ( HDG) (8'-3" H - 74 EA)	LF	592	5%	622	\$ 85.00	\$ 52,836.00	0.550	\$ 40.00	\$ 22.00	\$ 13,675.20	\$ 66,511.20	
		11"x11" x 3/4" Base Plate W (4) 3/4" Dia SS Hilti HAS Rods Utilizing Hilti Hit HY 200 Adhesive System												
		Fence												
		Delegated Design Fence Panel ( Detail Not Given) (8' H)	LF	166	5%	174	\$ 120.00	\$ 20,916.00	0.350	\$ 40.00	\$ 14.00	\$ 2,440.20	\$ 23,356.20	
		Alternate No 6												
		Beam												
		Double L3x3x1/4 Tension Tie	LF	133	5%	140	\$ 20.00	\$ 2,793.00	0.300	\$ 40.00	\$ 12.00	\$ 1,675.80	\$ 4,468.80	
		Tension Tie Connection For Both Side												
		W4x13 x 2'-3" long Bearing Beam Weld To Gabled Beam (2 EA)	LBs	56	5%	59	\$ 2.75	\$ 161.70	0.035	\$ 40.00	\$ 1.40	\$ 82.32	\$ 244.02	
		W18x18 (157 LF)												
		Bolted End Splice Connection (2) 3/4" Thick Plates W (4) 3/4" Dia A325 Thru Bolts (6 EA)	LBs	2826	5%	2967	\$ 3.10	\$ 9,198.63	0.040	\$ 40.00	\$ 1.60	\$ 4,747.68	\$ 13,946.31	
		Plate												
		(1/2") Thick Gusset Plate	EA	10	0%	10	\$ 90.00	\$ 900.00	1.500	\$ 40.00	\$ 60.00	\$ 600.00	\$ 1,500.00	
		(8"x8") Steel Shim Plate For Uniform Bearing	EA	2	0%	2	\$ 20.00	\$ 40.00	0.200	\$ 40.00	\$ 8.00	\$ 16.00	\$ 56.00	
		(1'-0" x 6" x 3/4") Thick Cap Plate W 94) 3/4" Dia A325 Thru Bolts	EA	10	0%	10	\$ 260.00	\$ 2,600.00	1.800	\$ 40.00	\$ 72.00	\$ 720.00	\$ 3,320.00	
		Angles												
		(2) L4 x 4x1/4 x 1'-8" Long Angles												
		(4) SS 1/2" Dia Hilti Has Rods With Hilti hit HY 270												
		L4x4x1/4 ledger Angle Fasten To Bond Beam @ 16" OC												
		- Using SS 1/2" Dia Hilti Has Rods w Hilti HIT HY 270 Adhesive System (4" Embed)												
		- Remove Flange And Add (6" W x 1/2" Thick Steel ) Plates At Beam Taper	LF	138	5%	145	\$ 55.00	\$ 7,969.50	0.700	\$ 40.00	\$ 28.00	\$ 4,057.20	\$ 12,026.70	
		CIP Weld at taper plate												
		Column & Pier												
		Helical Pier ( Detail Not Given)	EA	36	0%	36	\$ 1,650.00	\$ 59,400.00	6.000	\$ 40.00	\$ 240.00	\$ 8,640.00	\$ 68,040.00	
		Hss4x4x3/16 Wind Column (4 EA , 8'-8" H)												
		-Base Plate W (4) 1/2" Dia SS Hilti Has Rods W Hilti Hit Hy 200 Adhesive System ( Embed 6")	LBs	374.4	5%	393	\$ 2.20	\$ 864.86	0.030	\$ 40.00	\$ 1.20	\$ 471.74	\$ 1,336.61	
		HSS5x5x3/8 (10 EA , 8'-8" H)												
		-Base Plate W (4) 1/2" Dia SS Hilti Has Rods W Hilti HIT Hy 200 Adhesive System ( Embed 6")	LBs	2194	5%	2304	\$ 2.35	\$ 5,413.70	0.032	\$ 40.00	\$ 1.28	\$ 2,948.74	\$ 8,362.43	
		Panel & Purlins												
		Corrugated Metal Panel												
		14 Gauge 4"x 2.5" Zee purlins At 4'-0" O.C	SF	1193	5%	1253	\$ 9.25	\$ 11,587.01	0.140	\$ 40.00	\$ 5.60	\$ 7,014.84	\$ 18,601.85	
		Gutter												
		Aluminum Gutter ( Detail Not Given)	LF	84	5%	88	\$ 18.00	\$ 1,587.60	0.150	\$ 40.00	\$ 6.00	\$ 529.20	\$ 2,116.80	
		Flashing												
		Metal Flashing ( Detail Not Given)	LF	84	5%	88	\$ 10.00	\$ 882.00	0.100	\$ 40.00	\$ 4.00	\$ 352.80	\$ 1,234.80	
		Downspout												
		Downspout (9' H , 4 EA) Assumed	LF	36	5%	38	\$ 14.00	\$ 529.20	0.200	\$ 40.00	\$ 8.00	\$ 302.40	\$ 831.60	
Subtotal (Finishes)														\$ 295,149

PROJECTED COST														\$ 331,915
INSURANCE														\$ 9,957
CONTINGENCY														\$ 16,596
OVERHEAD AND PROFIT														\$ 49,787
TAX														\$ 15,960
SUGGESTED BID														\$ 424,216

Note:

1.Please verify the equipment's and their prices with owner.

2.Online sources are used for pricing.

3.Prices can vary depending upon field conditions.

4.The probable construction costs of material, labour and equipments are based on industry practice, professional experience and qualifications. These represent our best judgment as a professional cost estimator familiar with construction industry and local conditions. We only guarantee more than 95% accurate quantities of materials based on provided drawings.

**Owner**  
**City of Terre Haute**  
17 Harding Avenue  
Terre Haute, Indiana 47807  
812-244 5708

**Architect**  
**RATIO**  
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317-633-4040


**Structural Engineer**  
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**Civil Engineer**  
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123-456-7890

**Aquatics Designer**  
**WTI**  
100 Park Avenue  
Beaver Dam, Wisconsin 53916  
920-887-7375

SEAL | DATE 10/10/25



The seal is circular with a double-lined border. The outer ring contains the text "NATHAN DANIEL BOLTZ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two dots. The inner circle contains the word "REGISTERED" at the top, the number "No. PE11800338" in the center, and "STATE OF INDIANA" at the bottom, also separated by two dots. A signature "Nathan D. Boltz" is written across the bottom of the seal, and the date "10/10/25" is written to its right.

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PROJECT NO. 25-153

SHEET TITLE  
EXISTING  
FOUNDATION  
REPAIRS AND  
SELECTIVE DEMO


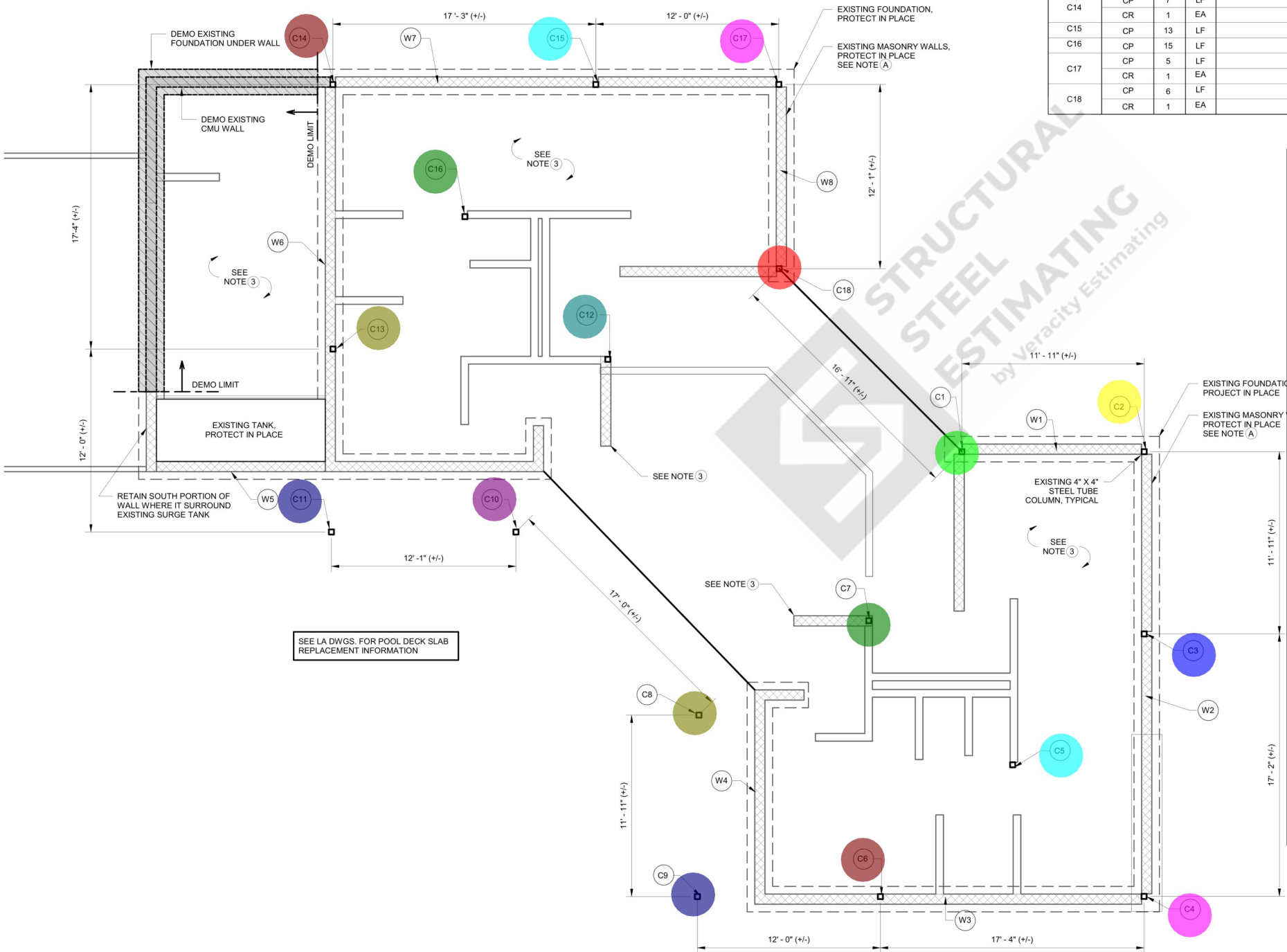
SHEET NUMBER

S-201

REPAIR AND UNIT LEGEND				
REPAIR		UNIT		REFERENCE
CLEAN AND PAINT	CP	LF	LINEAR FEET	1/S-102
CMU BLOCK REPLACEMENT	CMU-R	SF	SQUARE FEET	2/S-102
MASONRY TUCKPOINTING	TP	SF	SQUARE FEET	3/S-102
COLUMN CLIP ANGLE REPAIR	CCA	EA	EACH	4/S-102
COLUMN REPLACEMENT	CR	EA	EACH	5/S-102

COLUMN REPAIR SCHEDULE					
COLUMN	REPAIR	QTY	UNIT	NOTES	REFERENCE
C1	CP	6	LF		1/S-102
	CR	1	EA		5/S-102
C2	CP	5	LF		1/S-102
	CR	1	EA		5/S-102
C3	CP	11	LF		1/S-102
C4	CP	7	LF		5/S-102
	CR	1	EA		5/S-102
C5	CP	13	LF		1/S-102
	CCA	2	EA		4/S-102
C6	CP	12	LF		1/S-102
C7	CP	13	LF		1/S-102
C8	CP	11	LF		1/S-102
	CCA	2	EA		4/S-102
C9	CP	11	LF		1/S-102
	CCA	2	EA		4/S-102
C10	CP	11	LF		1/S-102
	CCA	2	EA		4/S-102
C11	CP	11	LF		1/S-102
	CCA	2	EA		4/S-102
C12	CP	13	LF		1/S-102
C13	CP	12	LF		1/S-102
C14	CP	7	LF		1/S-102
	CR	1	EA		5/S-102
C15	CP	13	LF		1/S-102
C16	CP	15	LF		1/S-102
C17	CP	5	LF		1/S-102
	CR	1	EA		5/S-102
C18	CP	6	LF		1/S-102
	CR	1	EA		5/S-102

B. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING OF ROOF FRAMING AT COLUMN REPLACEMENT LOCATIONS. SEE PLAN FOR APPLICABLE LOCATIONS. SEE "COLUMN REPLACEMENT" PROCEDURE ON SHEET S102 FOR ADDITIONAL REQUIREMENTS.



C17  
C15  
C14  
C16  
C13  
C11  
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**Owner**  
City of Terre Haute  
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**Civil Engineer**  
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**Geotechnics Designer**  
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**VTI**  
 00 Park Avenue  
 Beaver Dam, Wisconsin 53916  
 20-887-7375



CONSTRUCTION DOCUMENTS	10/10/25
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PROJECT NO. 25-153

## EXISTING ROOF

## FRAMING REPAIRS

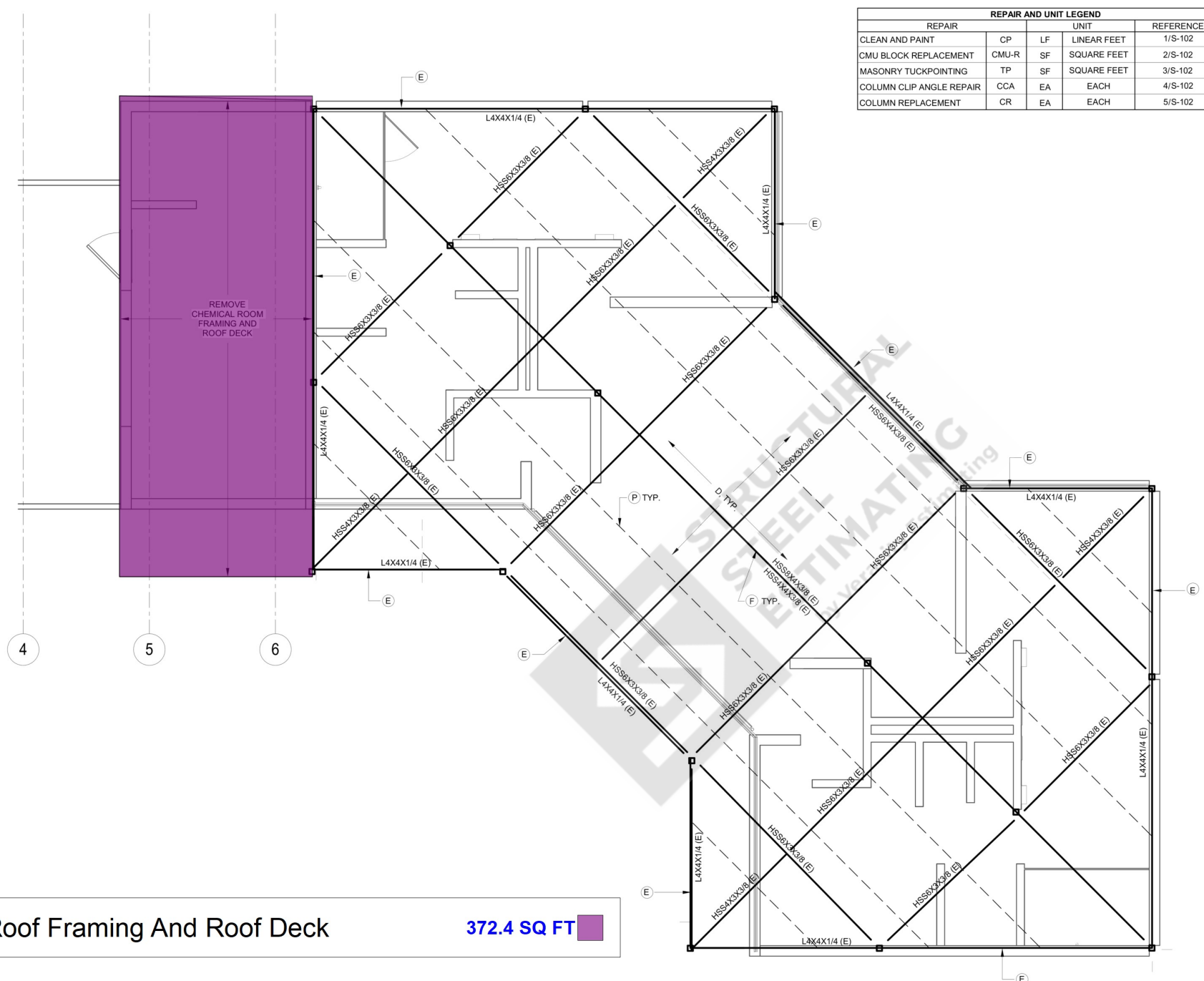
AND SELECTIVE

DEMO

**0000**

0202

REPAIR AND UNIT LEGEND				
REPAIR		UNIT		REFERENCE
CLEAN AND PAINT	CP	LF	LINEAR FEET	1/S-102
CMU BLOCK REPLACEMENT	CMU-R	SF	SQUARE FEET	2/S-102
MASONRY TUCKPOINTING	TP	SF	SQUARE FEET	3/S-102
COLUMN CLIP ANGLE REPAIR	CCA	EA	EACH	4/S-102
COLUMN REPLACEMENT	CR	EA	EACH	5/S-102



 Remove Chemical Roof Framing And Roof Deck 372.4 SQ FT 



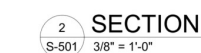












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## S-50

25-15

S-501



- 6 WALL SUPPORT DETAIL



## S-502

10/9/2025 12:30:16 AM



