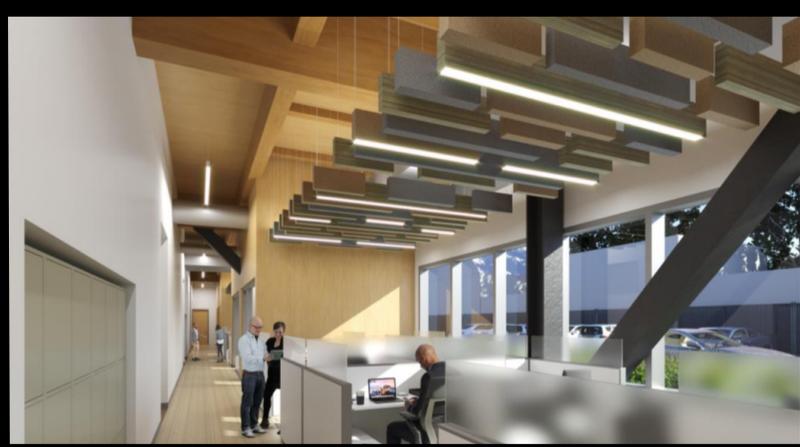


**Guaranteed Maximum Price (GMP) Package  
County of San Mateo  
South San Francisco Wellness Center  
3-06-2024**



**XL**  
**CONSTRUCTION™**  
We build to improve lives®

Chad Hamilton  
Project Executive  
XL Construction  
851 Buckeye Court  
Milpitas, CA 95035  
408-240-6000  
chamilton@xlconstruction.com

# Contents

- 1 Executive Summary
- 2 GMP Summary Report
- 3 GMP Allowance Summary
- 4 Basis Of GMP
- 5 Letters Of Recommendation, Bid Tally Sheets & Bids
- 6 General Conditions & General Requirements
- 7 Basis Of Schedule & Construction Schedule
- 8 Site Logistics Plan
- 9 Supporting Documents
  - Drawing Log
  - Specification Log
  - Bid Requests For Information
  - BIM/VDC Execution Plan

# 1 - Executive Summary



Revised March 6, 2024

**Ms. Jasmine Gao**  
Capital Project Manager  
County of San Mateo  
[jgao@smcgov.org](mailto:jgao@smcgov.org)

Re: County of San Mateo – South San Francisco Wellness Center Project  
GMP Proposal

Dear Ms. Gao,

XL Construction is pleased to provide the County of San Mateo with the attached GMP. A Basis of Estimate and Schedule have been included to provide clarity on the details and approach within the estimate. The GMP represents the competitive bids and documents which we have reviewed prior to this compilation into a singular document.

- This estimate includes the preconstruction, VOIP project, temporary parking for the Courts and the Tenant Relocation Project. These costs have been submitted to the County of San Mateo separately and have been included in the overall estimate per the County's request.
- The estimate includes General Requirements 1 and General Requirements 2 as defined within the contract. Once approved, these will be Lump Sum and billed as such.
- The total cost of insurance / bonds has been updated to include proposals for Builder's Risk Insurance and the P&P Bond. General Liability Insurance, Subcontractor Default Insurance (in lieu of individual trade bonds) and Professional Liability have been itemized as stipulated percentages or lump sum values on the summary sheet of the estimate.
- The basis of estimate includes specific contract modifications to align with the inclusions of the GMP.
- An owner allowance has been included for the tenant improvement and soil improvement scopes. These allowances are total values and will be reconciled against cost of work + insurance + fee.

While the County is completing their review of the GMP, XL Construction is proceeding with a parallel effort of coordination of the DDC scope, façade scope, MEP value engineering scope.

We look forward to working with the County of San Mateo on this amazing project and are eager to walk through this package in detail with you and your team. Please let me know if you have any questions.

Sincerely,

Chad Hamilton  
XL Construction Corporation  
Project Executive

Cc: Dan Nielsen (Colbalt), Daniel Griffiths (Cobalt), David Barron (XL), Terry Wong (XL), Jeff Herbage (XL), Sharda Singh (XL), Phill Guymer (XL), Kevin Ng (XL)

## 2 - GMP Summary Report

Wednesday, 6 March, 2024

DESCRIPTION	COST/SF	TOTAL
Division 02 - Site Construction	\$80.35	\$5,744,419
Division 03 - Concrete	\$53.05	\$3,599,223
Division 04 - Masonry	\$0.71	\$54,995
Division 05 - Metals	\$50.38	\$3,748,288
Division 06 - Wood And Plastics	\$141.76	\$10,827,862
Division 07 - Thermal And Moisture Protection	\$19.89	\$1,493,377
Division 08 - Doors And Windows	\$161.12	\$11,674,681
Division 09 - Finishes	\$90.05	\$6,577,975
Division 10 - Specialties	\$9.58	\$733,928
Division 12 - Furnishings	\$1.49	\$115,500
Division 14 - Conveying Systems	\$5.85	\$454,018
Division 15 - Mechanical	\$155.67	\$10,732,292
Division 16 - Electrical	\$137.32	\$10,457,571
Allowances	\$19.88	\$1,492,938
<b>DIRECT TOTAL COSTS</b>	<b>\$872.36</b>	<b>\$67,707,067</b>

	MARKUP	RATE	TOTAL
GENERAL REQUIREMENTS 2			\$2,992,313
GENERAL CONDITIONS			\$6,326,556
GENERAL REQUIREMENTS 1			\$572,183
CONSTRUCTION CONTINGENCY	3.00%		\$2,120,981
DESIGN CONTINGENCY			\$147,295
PAYMENT & PERFORMANCE BOND			\$764,822
BUILDERS RISK INSURANCE			\$1,445,775
SDI, GLI & PLI	2.05%		\$1,449,337
FEE	2.40%		\$1,916,793
<b>TOTAL</b>			<b>\$1,100.87</b>
			<b>\$85,443,123</b>

**Original Preconstruction**

0) Original Preconstruction - NTP-0 \$298,096

**Pre-GMP Change Orders**

1) Preconstruction Services #1 - NTP-1 \$410,434  
 2) Voice Over IP (VOIP) Relocation - NTP-2 \$113,996  
 3) Preconstruction Services #2 - NTP-3 \$854,940  
 4) Add Innerduct & Mule Tape For AT&T To Server Room NTP-4 \$13,277  
 5) Probabtion Relocation Modular Office Trailers - NTP-5 \$1,247,668

**TOTAL PREVIOUSLY APPROVED SCOPES \$2,938,411**

**Additional Owner Allowances not included in Project Estimate**

Owner Soil Improvement Allowance (not including Insurance or Fee) \$800,000  
 Owner Tenant Improvement Allowance (25,000 sf x \$320) (not including Insurance or Fee) \$8,000,000

**TOTAL PROJECT COSTS (including Previously Approved Scopes) \$97,181,534**

San Mateo County Wellness Center - GMP (inc credits & VE)

Estimate Version:



Tuesday, 5 March, 2024

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL	COST/SF	NOTES
<b>Division 01 - General Requirements</b>				<b>\$2,992,313</b>	<b>\$38.55</b>	
<b>010000 General Requirements</b>				<b>\$2,992,313</b>	<b>\$38.55</b>	
<b>015000 Temporary Facilities And Controls</b>				<b>\$2,992,313</b>	<b>\$38.55</b>	
<b>015200 Construction Facilities</b>				<b>\$2,992,313</b>	<b>\$38.55</b>	
1 Mobilization/Demobilization	1	LS	\$11,372.00	\$11,372	\$0.15	
2 Protection of Existing Finishes	1	LS	\$155,951.00	\$155,951	\$2.01	
3 Travel & Lodging	1	LS	\$10,500.00	\$10,500	\$0.14	
4 Temporary Toilets, Station Sink- 2x Service/week	1	LS	\$124,592.00	\$124,592	\$1.61	
5 Fire Extinguishers & Site Fire Safety Equipment	1	LS	\$1,600.00	\$1,600	\$0.02	
6 Debris Boxes	1	LS	\$141,524.00	\$141,524	\$1.82	
7 Temporary Fence/Phasing/Seqencing	1	LS	\$52,955.00	\$52,955	\$0.68	
8 Temporary Roads/Parking & Staging	1	LS	\$20,000.00	\$20,000	\$0.26	
9 Temp Safety Rail/Cable/Opening/Protection & Maintenance	1	LS	\$126,000.00	\$126,000	\$1.62	
10 Temporary Power & Lighting	1	LS	\$228,891.00	\$228,891	\$2.95	
11 Forklift/Gradall - Rental	1	LS	\$109,760.00	\$109,760	\$1.41	
12 OT Foreman Supervision	1	LS	\$48,394.00	\$48,394	\$0.62	
13 Temp Heating	1	LS	\$15,000.00	\$15,000	\$0.19	
14 Gradall Driver & Site Maintenance (laborer)	1	LS	\$279,758.00	\$279,758	\$3.60	
15 Interim Cleaning Labor - Site	1	LS	\$531,784.00	\$531,784	\$6.85	
16 Water Filled Barriers (limited locations)	1	LS	\$11,000.00	\$11,000	\$0.14	
17 Carpenter Foreman - Check in, Layout, Coordination	1	LS	\$699,726.00	\$699,726	\$9.02	
18 Safety Equipment & Equipment Rentals	1	LS	\$99,220.00	\$99,220	\$1.28	
19 Site Access Equipment & Equipment Rentals	1	LS	\$184,004.00	\$184,004	\$2.37	
20 Jobsite Entrance Signage	1	LS	\$4,500.00	\$4,500	\$0.06	
21 SWPPP Install, Maintenance & Removal	1	LS	\$135,782.00	\$135,782	\$1.75	
<b>Division 02 - Site Construction</b>				<b>\$5,744,419</b>	<b>\$74.01</b>	
<b>020000 Existing Conditions</b>				<b>\$88,275</b>	<b>\$1.14</b>	
<b>022000 Assessment</b>				<b>\$88,275</b>	<b>\$1.14</b>	
<b>022100 Surveys</b>				<b>\$88,275</b>	<b>\$1.14</b>	
22 Surveying and Staking - BID	1	LS	\$88,275.00	\$88,275	\$1.14	Sandis
<b>310000 Earthwork</b>				<b>\$2,412,590</b>	<b>\$31.08</b>	
<b>310000 Earthwork</b>				<b>\$35,000</b>	<b>\$0.45</b>	
<b>310500 Common Work Results For Earthwork</b>				<b>\$35,000</b>	<b>\$0.45</b>	
23 Temporary Site Stairs & Striping	1	LS	\$35,000.00	\$35,000	\$0.45	
<b>312000 Earth Moving</b>				<b>\$46,775</b>	<b>\$0.60</b>	
<b>312500 Erosion and Sedimentation Controls</b>				<b>\$46,775</b>	<b>\$0.60</b>	
24 SWPPP - QSP	1	LS	\$46,775.00	\$46,775	\$0.60	Sandis
<b>316000 Special Foundations And Load-Bearing Elements</b>				<b>\$2,330,815</b>	<b>\$30.03</b>	
<b>316300 Bored Piles</b>				<b>\$2,330,815</b>	<b>\$30.03</b>	
25 Off Haul Spoils	1	LS	\$85,800.00	\$85,800	\$1.11	
26 Street Sweeping	1	LS	\$22,500.00	\$22,500	\$0.29	
27 Layout for Test Piles	1	LS	\$3,800.00	\$3,800	\$0.05	
28 Grid Layout	1	LS	\$11,200.00	\$11,200	\$0.14	
29 Soils Improvements - BID	1	LS	\$2,207,515.00	\$2,207,515	\$28.44	Drill Tech
<b>320000 Exterior Improvements</b>				<b>\$3,243,554</b>	<b>\$41.79</b>	
<b>321000 Bases, Ballasts, And Paving</b>				<b>\$2,774,625</b>	<b>\$35.75</b>	
<b>321200 Flexible Paving</b>				<b>\$2,774,625</b>	<b>\$35.75</b>	
30 Trench Plate Rental - Utilities COW	1	LS	\$36,000.00	\$36,000	\$0.46	
31 Soils Testing - Grading COW	1	LS	\$13,844.00	\$13,844	\$0.18	
32 Pot Hole for Existing Utilities - Utilities COW	1	LS	\$20,000.00	\$20,000	\$0.26	
33 Dust Control/Street Sweeping - Grading/Off Haul	1	LS	\$52,602.00	\$52,602	\$0.68	
34 Class 2 Spoils Off Haul (off haul for other trades) - inc with bid		CY		\$0	\$0.00	
35 Patch & Repair Asphalt - Post Construction	1	LS	\$30,000.00	\$30,000	\$0.39	
36 Building & Site Demo, Grading, Paving & Utilities - BID	1	LS	\$2,723,929.00	\$2,723,929	\$35.10	Goodfellows
37 Goodfellows: Recycled AB in lieu of drain rock	-1	LS	\$101,750.00	(\$101,750)	(\$1.31)	Goodfellows
<b>329000 Planting</b>				<b>\$468,929</b>	<b>\$6.04</b>	
<b>329300 Plants</b>				<b>\$468,929</b>	<b>\$6.04</b>	
38 Off Haul Material - Dirty Material that cannot be amended - Exclusion	1	LS	\$0.00	\$0	\$0.00	
39 Existing Irrigation System Investigation	1	LS	\$5,000.00	\$5,000	\$0.06	
40 Landscaping - BID	1	LS	\$463,929.00	\$463,929	\$5.98	Jensen Landscaping

San Mateo County Wellness Center - GMP (inc credits & VE)

Estimate Version:



Tuesday, 5 March, 2024

DESCRIPTION		QUANTITY	UNIT	UNIT PRICE	TOTAL	COST/SF	NOTES
<b>Division 03 - Concrete</b>					<b>\$3,599,223</b>	<b>\$46.37</b>	
<b>030000 Concrete</b>					<b>\$3,599,223</b>	<b>\$46.37</b>	
<b>033000 Cast-In-Place Concrete</b>					<b>\$3,599,223</b>	<b>\$46.37</b>	
<b>033100 Structural Concrete</b>					<b>\$3,599,223</b>	<b>\$46.37</b>	
41	Building Concrete - BID	1	LS	\$4,117,706.00	\$4,117,706	\$53.05	
42	Bothman - Concrete Buyout	-1	LS	\$518,483.00	(\$518,483)	(\$6.68)	
<b>Division 04 - Masonry</b>					<b>\$54,995</b>	<b>\$0.71</b>	
<b>040000 Masonry</b>					<b>\$54,995</b>	<b>\$0.71</b>	
<b>042000 Unit Masonry</b>					<b>\$54,995</b>	<b>\$0.71</b>	
<b>042200 Concrete Unit Masonry</b>					<b>\$54,995</b>	<b>\$0.71</b>	
43	CMU - BID	1	LS	\$49,995.00	\$49,995	\$0.64	John Jackson
44	Installation of embeds/frames	1	LS	\$5,000.00	\$5,000	\$0.06	
<b>Division 05 - Metals</b>					<b>\$3,748,288</b>	<b>\$48.29</b>	
<b>050000 Metals</b>					<b>\$3,748,288</b>	<b>\$48.29</b>	
<b>051000 Structural Metal Framing</b>					<b>\$3,714,970</b>	<b>\$47.86</b>	
<b>051200 Structural Steel Framing</b>					<b>\$3,714,970</b>	<b>\$47.86</b>	
45	Mesh Infill Fence Panel System 6' at Electrical Yard Enclosure	1	LS	\$145,223.00	\$145,223	\$1.87	Glazier
46	Auto Push Button Posts	1	LS	\$4,000.00	\$4,000	\$0.05	Glazier
47	Operable Partition Support Steel	1	LS	\$20,000.00	\$20,000	\$0.26	Glazier
48	Cane Rails	1	LS	\$12,000.00	\$12,000	\$0.15	Glazier
49	Elevator Sill Steel	1	LS	\$10,000.00	\$10,000	\$0.13	Glazier
50	Structural Steel - BID	1	LS	\$3,685,747.00	\$3,685,747	\$47.49	Glazier
51	Galvanized cable tail at Terrace in lieu of base bid	-1	LS	\$58,000.00	(\$58,000)	(\$0.75)	Glazier
52	AESS Finish at Stairs	-1	LS	\$75,000.00	(\$75,000)	(\$0.97)	Glazier
53	Revise Mesh infill to Metal Infill at Trash Enclosure	-1	LS	\$19,000.00	(\$19,000)	(\$0.24)	Glazier
54	Glazier Credits	-1	LS	\$10,000.00	(\$10,000)	(\$0.13)	Glazier
<b>054000 Cold-Formed Metal Framing</b>					<b>\$33,318</b>	<b>\$0.43</b>	
<b>054500 Metal Support Assemblies</b>					<b>\$33,318</b>	<b>\$0.43</b>	
55	Unistrut Support for Dental Xray & Ceiling Lights - BID	1	LS	\$33,318.00	\$33,318	\$0.43	Bayside Interiors
<b>Division 06 - Wood And Plastics</b>					<b>\$10,827,862</b>	<b>\$139.51</b>	
<b>060000 Wood, Plastics, And Composites</b>					<b>\$10,827,862</b>	<b>\$139.51</b>	
<b>061000 Rough Carpentry</b>					<b>\$8,690,955</b>	<b>\$111.98</b>	
<b>061300 Heavy Timber Construction</b>					<b>\$8,690,955</b>	<b>\$111.98</b>	
56	Modeling (Innova - Manfred; by Elevated)	1	LS	\$0.00	\$0	\$0.00	
57	Mass Timber Supply & Install - BID	1	LS	\$8,703,455.00	\$8,703,455	\$112.14	Elevated
58	Field Sanding Wood Structure	1	LS	\$37,500.00	\$37,500	\$0.48	
59	Elevated (\$8.7M)	-1	LS	\$50,000.00	(\$50,000)	(\$0.64)	Elevated
<b>062000 Finish Carpentry</b>					<b>\$2,136,907</b>	<b>\$27.53</b>	
<b>062200 Millwork</b>					<b>\$2,136,907</b>	<b>\$27.53</b>	
60	Millwork - BID	1	LS	\$2,261,907.00	\$2,261,907	\$29.14	Mission Bell
61	Mission Bell: Change Laminate WV1 to Wilsonart Standard	-1	LS	\$125,000.00	(\$125,000)	(\$1.61)	Mission Bell
<b>Division 07 - Thermal And Moisture Protection</b>					<b>\$1,493,377</b>	<b>\$19.24</b>	
<b>070000 Thermal And Moisture Protection</b>					<b>\$1,493,377</b>	<b>\$19.24</b>	
<b>075000 Membrane Roofing</b>					<b>\$1,493,377</b>	<b>\$19.24</b>	
<b>075200 Modified Bituminous Membrane Roofing</b>					<b>\$1,493,377</b>	<b>\$19.24</b>	
62	Roof Screen	1	LS	\$141,727.00	\$141,727	\$1.83	TBD
63	Gutter Detail by CS Erectors	1	LS	\$128,045.00	\$128,045	\$1.65	
64	Roofing & Waterproofing - BID	1	LS	\$1,273,605.00	\$1,273,605	\$16.41	Enterprise
65	Enterprise: Deliver Material to Site by End of 2024	-1	LS	\$50,000.00	(\$50,000)	(\$0.64)	Enterprise
<b>Division 08 - Doors And Windows</b>					<b>\$11,674,681</b>	<b>\$150.42</b>	
<b>080000 Openings</b>					<b>\$11,674,681</b>	<b>\$150.42</b>	
<b>081000 Doors And Frames</b>					<b>\$783,150</b>	<b>\$10.09</b>	
<b>081100 Metal Doors and Frames</b>					<b>\$783,150</b>	<b>\$10.09</b>	
66	Door Hardware & Low Voltage/Security Coordination	1	LS	\$10,000.00	\$10,000	\$0.13	
67	Specialty Door - Staff Garden	1	LS	\$8,500.00	\$8,500	\$0.11	
68	Doors, Frames & Hardware - BID	1	LS	\$764,650.00	\$764,650	\$9.85	Walters & Wolf
<b>083000 Specialty Doors And Frames</b>					<b>\$27,345</b>	<b>\$0.35</b>	

San Mateo County Wellness Center - GMP (inc credits & VE)

Estimate Version:



Tuesday, 5 March, 2024

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL	COST/SF	NOTES
<b>083700 Smoke Guard Doors</b>				<b>\$27,345</b>	<b>\$0.35</b>	
69 Smoke Guard Door at Elevator - BID	1	LS	\$27,345.00	\$27,345	\$0.35	Smoke Guard
<b>084000 Entrances, Storefronts, And Curtain Walls</b>				<b>\$668,821</b>	<b>\$8.62</b>	
<b>084100 Entrances and Storefronts</b>				<b>\$668,821</b>	<b>\$8.62</b>	
70 Endcap Condition Where Interior Vestibule Meets Facade	1	LS	\$9,000.00	\$9,000	\$0.12	
71 Interior Glazing - BID	1	LS	\$746,286.00	\$746,286	\$9.62	Walters & Wolf
72 W&W: Veneer Alternate	-1	LS	\$86,465.00	(\$86,465)	(\$1.11)	Walters & Wolf
<b>088000 Glazing</b>				<b>\$10,195,365</b>	<b>\$131.36</b>	
<b>088100 Glass Glazing</b>				<b>\$10,195,365</b>	<b>\$131.36</b>	
73 Exterior Skin - BID	1	LS	\$10,496,465.00	\$10,496,465	\$135.24	CS Erectors
74 Additional Caulking	1	LS	\$58,000.00	\$58,000	\$0.75	
75 Downspout Covers	1	LS	\$10,000.00	\$10,000	\$0.13	
76 CS Erectors: Alternate Vapor Barrier	-1	LS	\$153,100.00	(\$153,100)	(\$1.97)	CS Erectors
77 CS Erectors	-1	LS	\$216,000.00	(\$216,000)	(\$2.78)	CS Erectors
<b>Division 09 - Finishes</b>				<b>\$6,577,975</b>	<b>\$84.75</b>	
<b>090000 Finishes</b>				<b>\$6,577,975</b>	<b>\$84.75</b>	
<b>092000 Plaster And Gypsum Board</b>				<b>\$3,331,372</b>	<b>\$42.92</b>	
<b>092900 Gypsum Board</b>				<b>\$3,331,372</b>	<b>\$42.92</b>	
78 Drywall Patch Back for Trades	1	LS	\$24,520.00	\$24,520	\$0.32	
79 Final Clean - BID	1	LS	\$72,588.00	\$72,588	\$0.94	MGR
80 Drywall & Insulation - BID	1	LS	\$3,319,022.00	\$3,319,022	\$42.76	Cal Drywall
81 Cal Drywall	-1	LS	\$84,758.00	(\$84,758)	(\$1.09)	Cal Drywall
<b>093000 Tiling</b>				<b>\$583,700</b>	<b>\$7.52</b>	
<b>093100 Thin-Set Tiling</b>				<b>\$583,700</b>	<b>\$7.52</b>	
82 Escalation of Material to Meet Schedule	1	LS	\$20,000.00	\$20,000	\$0.26	
83 Ceramic Tile - BID	1	LS	\$563,700.00	\$563,700	\$7.26	Della Maggiore
<b>095000 Ceilings</b>				<b>\$1,032,761</b>	<b>\$13.31</b>	
<b>095100 Acoustical Ceilings</b>				<b>\$1,032,761</b>	<b>\$13.31</b>	
84 Trapezing (64/A9.4.2)	1	LS	\$33,000.00	\$33,000	\$0.43	
85 Acoustical Ceilings - BID	1	LS	\$1,103,461.00	\$1,103,461	\$14.22	Daleys
86 Daleys: Madrid Ceiling	-1	LS	\$103,700.00	(\$103,700)	(\$1.34)	Daleys
<b>096000 Flooring</b>				<b>\$773,079</b>	<b>\$9.96</b>	
<b>096800 Carpeting</b>				<b>\$645,527</b>	<b>\$8.32</b>	
87 Floor Protection	1	LS	\$15,000.00	\$15,000	\$0.19	
88 Additonal Floor Prep at Sliders	1	LS	\$19,520.00	\$19,520	\$0.25	
89 Flooring - BID	1	LS	\$611,007.00	\$611,007	\$7.87	RE Cuddie
<b>096900 Access Flooring</b>				<b>\$127,552</b>	<b>\$1.64</b>	
90 Access Flooring - BID	1	LS	\$127,552.00	\$127,552	\$1.64	Bayside
<b>099000 Painting And Coating</b>				<b>\$857,063</b>	<b>\$11.04</b>	
<b>099100 Painting</b>				<b>\$857,063</b>	<b>\$11.04</b>	
91 Interior Caulking at Interfaces with Other Trades	1	LS	\$53,400.00	\$53,400	\$0.69	
92 4th Coat at Human Zone of Glulam	1	LS	\$10,000.00	\$10,000	\$0.13	
93 Touch-up Paint & Patch	1	LS	\$56,697.00	\$56,697	\$0.73	
94 Painting, Wallcovering & Intumescent Paint - BID	1	LS	\$736,966.00	\$736,966	\$9.50	California Drywall
<b>Division 10 - Specialties</b>				<b>\$733,928</b>	<b>\$9.46</b>	
<b>100000 Specialties</b>				<b>\$733,928</b>	<b>\$9.46</b>	
<b>101000 Information Specialties</b>				<b>\$200,653</b>	<b>\$2.59</b>	
<b>101400 Signage</b>				<b>\$200,653</b>	<b>\$2.59</b>	
95 Additional Signage Backing	1	LS	\$7,500.00	\$7,500	\$0.10	
96 Signage - BID	1	LS	\$193,153.00	\$193,153	\$2.49	Anderson
<b>102000 Interior Specialties</b>				<b>\$533,275</b>	<b>\$6.87</b>	
<b>102200 Partitions</b>				<b>\$171,125</b>	<b>\$2.20</b>	
97 Operable Partition - BID	1	LS	\$171,125.00	\$171,125	\$2.20	PSI
<b>102800 Toilet, Bath, and Laundry Accessories</b>				<b>\$362,150</b>	<b>\$4.67</b>	
98 Toilet Partitions Misc. Specialty - BID	1	LS	\$362,150.00	\$362,150	\$4.67	Elevated
<b>Division 12 - Furnishings</b>				<b>\$115,500</b>	<b>\$1.49</b>	
<b>120000 Furnishings</b>				<b>\$115,500</b>	<b>\$1.49</b>	
<b>122000 Window Treatments</b>				<b>\$115,500</b>	<b>\$1.49</b>	

San Mateo County Wellness Center - GMP (inc credits & VE)

Estimate Version:



Tuesday, 5 March, 2024

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL	COST/SF	NOTES
<b>122400 Window Shades</b>				<b>\$115,500</b>	<b>\$1.49</b>	
99 Window Coverings - BID	1	LS	\$115,500.00	\$115,500	\$1.49	Creative Windows
<b>Division 14 - Conveying Systems</b>				<b>\$454,018</b>	<b>\$5.85</b>	
<b>140000 Conveying Equipment</b>				<b>\$454,018</b>	<b>\$5.85</b>	
<b>140000 Conveying Equipment</b>				<b>\$438,768</b>	<b>\$5.65</b>	
<b>140100 Operation and Maintenance of Conveying Equipment</b>				<b>\$438,768</b>	<b>\$5.65</b>	
100 Finished Cab Protection During Construction	1	LS	\$5,000.00	\$5,000	\$0.06	
101 Elevator - BID	1	LS	\$433,768.00	\$433,768	\$5.59	KONE
<b>148000 Scaffolding</b>				<b>\$15,250</b>	<b>\$0.20</b>	
<b>148100 Suspended Scaffolding</b>				<b>\$15,250</b>	<b>\$0.20</b>	
102 Stair Tower Rental - BID	1	LS	\$15,250.00	\$15,250	\$0.20	Bear Scaffold
<b>Division 15 - Mechanical</b>				<b>\$10,732,292</b>	<b>\$138.28</b>	
<b>210000 Fire Suppression</b>				<b>\$763,690</b>	<b>\$9.84</b>	
<b>211000 Water-Based Fire-Suppression Systems</b>				<b>\$763,690</b>	<b>\$9.84</b>	
<b>211300 Fire-Suppression Sprinkler Systems</b>				<b>\$763,690</b>	<b>\$9.84</b>	
103 Fire Protection - BID	1	LS	\$736,690.00	\$736,690	\$9.49	Eco Fire Sprinklers
104 BIM/Clash Detection/Deferred Design Engineering & Coordination	1	LS	\$27,000.00	\$27,000	\$0.35	
<b>220000 Plumbing</b>				<b>\$3,853,760</b>	<b>\$49.65</b>	
<b>220000 Plumbing</b>				<b>\$3,853,760</b>	<b>\$49.65</b>	
<b>220500 Common Work Results For Plumbing</b>				<b>\$3,853,760</b>	<b>\$49.65</b>	
105 Plumbing - BID	1	LS	\$3,802,760.00	\$3,802,760	\$49.00	Therma LLC
106 BIM/Clash Detection/Deferred Design Engineering & Coordination	1	LS	\$51,000.00	\$51,000	\$0.66	
<b>230000 Heating, Ventilating, And Air Conditioning (HVAC)</b>				<b>\$6,114,842</b>	<b>\$78.79</b>	
<b>230000 Heating, Ventilating, And Air Conditioning (HVAC)</b>				<b>\$6,114,842</b>	<b>\$78.79</b>	
<b>230500 Common Work Results for HVAC</b>				<b>\$6,114,842</b>	<b>\$78.79</b>	
107 HVAC & Controls - BID	1	LS	\$7,332,842.00	\$7,332,842	\$94.48	Therma
108 BIM/Clash Detection/Deferred Design Engineering & Coordination	1	LS	\$66,000.00	\$66,000	\$0.85	
109 Electric Boiler Skid Parapet Cover	1	LS	\$16,000.00	\$16,000	\$0.21	
110 Walkovers at Roof	1	LS	\$50,000.00	\$50,000	\$0.64	
111 Change Rooftop HVAC to Package Unit	-1	LS	\$1,000,000.00	(\$1,000,000)	(\$12.88)	Therma
112 Walkovers at Roof - Defer to DPW & Owner Contingency	-1	LS	\$50,000.00	(\$50,000)	(\$0.64)	Therma
113 Therma: Plenum Rated Cable for Controls	-1	LS	\$100,000.00	(\$100,000)	(\$1.29)	Therma
114 Therma	-1	LS	\$200,000.00	(\$200,000)	(\$2.58)	Therma
<b>Division 16 - Electrical</b>				<b>\$10,457,571</b>	<b>\$134.74</b>	
<b>260000 Electrical</b>				<b>\$10,457,571</b>	<b>\$134.74</b>	
<b>261000 Medium-Voltage Electrical Distribution</b>				<b>\$10,457,571</b>	<b>\$134.74</b>	
<b>260500 Common Work Results For Electrical</b>				<b>\$10,457,571</b>	<b>\$134.74</b>	
115 Electrical & LV (Excluding PV) - BID	1	LS	\$10,598,571.00	\$10,598,571	\$136.55	Redwood Electric Group
116 BIM/Clash Detection/Deferred Design Engineering & Coordination	1	LS	\$59,000.00	\$59,000	\$0.76	
117 Redwood Electric	-1	LS	\$200,000.00	(\$200,000)	(\$2.58)	Redwood Electric Group
<b>Unclassified Items</b>				<b>\$1,492,938</b>	<b>\$19.24</b>	
<b>Unclassified Items</b>				<b>\$1,492,938</b>	<b>\$19.24</b>	
<b>Unclassified Items</b>				<b>\$1,492,938</b>	<b>\$19.24</b>	
<b>012100 Allowances</b>				<b>\$1,492,938</b>	<b>\$19.24</b>	
118 Div. 09 - Additional Painting Allowance	1	LS	\$25,000.00	\$25,000	\$0.32	Allowance
119 Div. 10 - Additional Signage Allowance	1	LS	\$10,000.00	\$10,000	\$0.13	Allowance
120 Div. 09 - Wood Ceiling System Coordination & Visual Mockup	1	LS	\$10,000.00	\$10,000	\$0.13	Allowance
121 Div. 31 - Reinforcing for DDC's	1	LS	\$250,000.00	\$250,000	\$3.22	Allowance
122 Div. 09 - Tile Layout Coordination & Visual Mockup	1	LS	\$7,500.00	\$7,500	\$0.10	Allowance
123 Div. 09 - Coordination of Large Format Wall Tile at Corridor	1	LS	\$25,000.00	\$25,000	\$0.32	Allowance
124 Div. 09 - Framing Coordination at Exterior	1	LS	\$50,000.00	\$50,000	\$0.64	Allowance
125 Div. 08 - Enclosure Visual Mock Up	1	LS	\$150,000.00	\$150,000	\$1.93	Allowance
126 Div. 08 - Enclosure Performance Mock Up	1	LS	\$150,000.00	\$150,000	\$1.93	Allowance
127 Div. 09 - Design Co-ordination (additional Steel Grid Line 1/B&C)	1	LS	\$40,000.00	\$40,000	\$0.52	Allowance

**San Mateo County Wellness Center - GMP (inc credits & VE)**

Estimate Version:



Tuesday, 5 March, 2024

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL	COST/SF	NOTES
128 Div. 32 - Existing Building Furnishings Disposal and Moving Allowance	1	LS	\$15,000.00	\$15,000	\$0.19	Allowance
129 Div. 09 - Slip Track - Building Movements/Locations TBD	1	LS	\$25,000.00	\$25,000	\$0.32	Allowance
130 Div. 01 - Public Art Installation Allowance	1	LS	\$215,000.00	\$215,000	\$2.77	Allowance
131 Div. 01 - Additonal Cleaning Allowance	1	LS	\$40,438.00	\$40,438	\$0.52	Allowance
132 Div. 01 - 3rd Floor TI Allowance - NIC	22,058	SF	\$0.00	\$0	\$0.00	Allowance
133 Div. 01 - 2nd Floor TI Allowance - NIC	12,480	SF	\$0.00	\$0	\$0.00	Allowance
134 Div. 01 - Overtime Allowance	1	LS	\$100,000.00	\$100,000	\$1.29	Allowance
135 Div. 33 - Relocation of Unidentified Existing Underground Utilities	1	ALW	\$50,000.00	\$50,000	\$0.64	Allowance
136 Div. 11 - Owner Furnished (OFCI) Equipment Installation Allowance	1	LS	\$55,000.00	\$55,000	\$0.71	Allowance
137 Div. 01 - Winter Weather Allowance	1	LS	\$100,000.00	\$100,000	\$1.29	Allowance
138 Div. 08 - Enclosure Testing & QC Consultant	1	LS	\$75,000.00	\$75,000	\$0.97	Allowance
139 Div. 32 - Staff Garden Metal Gate 7' Fence	1	LS	\$75,000.00	\$75,000	\$0.97	Allowance
140 Div. 01 - On Site Security Allowance	1	LS	\$75,000.00	\$75,000	\$0.97	Allowance
141 Div. 33 - DELETE - Relocation of Unidentified Existing Underground Utilities - Contingency by CoSM	-1	ALW	\$50,000.00	(\$50,000)	(\$0.64)	Allowance

## 3 - GMP Allowance Summary

**San Mateo County Wellness Center  
GMP Allowance Summary**



Wednesday, 21 February, 2024

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL	COST/SF	NOTES
<b>Unclassified Items</b>				<b>\$1,542,938</b>	<b>\$19.88</b>	
<b>Unclassified Items</b>				<b>\$1,542,938</b>	<b>\$19.88</b>	
<b>Unclassified Items</b>				<b>\$1,542,938</b>	<b>\$19.88</b>	
<b>012100 Allowances (To Be Administered Per The Contract Terms)</b>				<b>\$1,542,938</b>	<b>\$19.88</b>	
1 Div. 09 - Additional Painting Allowance	1	LS	\$25,000.00	\$25,000	\$0.32	Allowance
2 Div. 10 - Additional Signage Allowance	1	LS	\$10,000.00	\$10,000	\$0.13	Allowance
3 Div. 09 - Wood Ceiling System Coordination & Visual Mockup	1	LS	\$10,000.00	\$10,000	\$0.13	Allowance
4 Div. 31 - Reinforcing for DDC's	1	LS	\$250,000.00	\$250,000	\$3.22	Allowance
5 Div. 09 - Tile Layout Coordination & Visual Mockup	1	LS	\$7,500.00	\$7,500	\$0.10	Allowance
6 Div. 09 - Coordination of Large Format Wall Tile at Corridor	1	LS	\$25,000.00	\$25,000	\$0.32	Allowance
7 Div. 09 - Framing Coordination at Exterior	1	LS	\$50,000.00	\$50,000	\$0.64	Allowance
8 Div. 08 - Enclosure Visual Mock Up	1	LS	\$150,000.00	\$150,000	\$1.93	Allowance
9 Div. 08 - Enclosure Performance Mock Up	1	LS	\$150,000.00	\$150,000	\$1.93	Allowance
10 Div. 09 - Design Co-ordination (additional Steel Grid Line 1/B&C	1	LS	\$40,000.00	\$40,000	\$0.52	Allowance
11 Div. 32 - Existing Building Furnishings Disposal and Moving Allowance	1	LS	\$15,000.00	\$15,000	\$0.19	Allowance
12 Div. 09 - Slip Track - Building Movements/Locations TBD	1	LS	\$25,000.00	\$25,000	\$0.32	Allowance
13 Div. 01 - Public Art Installation Allowance	1	LS	\$215,000.00	\$215,000	\$2.77	Allowance
14 Div. 01 - Additional Cleaning Allowance	1	LS	\$40,438.00	\$40,438	\$0.52	Allowance
15 Div. 01 - 3rd Floor TI Allowance - NIC	22,058	SF	\$0.00	\$0	\$0.00	Allowance
16 Div. 01 - 2nd Floor TI Allowance - NIC	12,480	SF	\$0.00	\$0	\$0.00	Allowance
17 Div. 01 - Overtime Allowance	1	LS	\$100,000.00	\$100,000	\$1.29	Allowance
18 Div. 33 - Relocation of Unidentified Existing Underground Utilities	1	ALW	\$50,000.00	\$50,000	\$0.64	Allowance
19 Div. 11 - Owner Furnished (OFCl) Equipment Installation Allowance	1	LS	\$55,000.00	\$55,000	\$0.71	Allowance
20 Div. 01 - Winter Weather Allowance	1	LS	\$100,000.00	\$100,000	\$1.29	Allowance
21 Div. 08 - Enclosure Testing & QC Consultant	1	LS	\$75,000.00	\$75,000	\$0.97	Allowance
22 Div. 32 - Staff Garden Metal Gate 7' Fence	1	LS	\$75,000.00	\$75,000	\$0.97	Allowance
23 Div. 01 - On Site Security Allowance	1	LS	\$75,000.00	\$75,000	\$0.97	Allowance

The GMP Allowance Summary tracks the Allowances included in the GMP. Change order requests representing a net value of \$0 will be created and submitted for approval to transfer Allowance funds for use under separate line items.

## 4 - Basis Of GMP

**County of San Mateo  
South San Francisco Wellness Center**

**BASIS OF GMP  
February 21<sup>st</sup> 2024**

**The GMP is based on the following documents, clarifications and allowances:**

**GMP Documents**

DWG 2023-0711 SSFWC PERMIT SUBMITTAL – By Smith Group Dated 07-11-2023  
SPECS 2023-0711 SSFWC PERMIT SUBMITTAL – By Smith Group Dated 07-11-2023  
Demo Drawings: 2020-0402\_SMWC-DEMO-SET – By Smith Group Dated 04-01-2020  
Hazardous Material – Pre-Demolition Asbestos Survey, Lead-Based Paint Screening and Regulated Materials Assessment – By AEI Dated 06-02-2023  
Medical Equipment List: Meid EQ RxR and Cutsheet Catalog - By County of San Mateo  
Geotechnical Report: 2020-06-01\_SMWC-Geotechnical-Report  
Pre-Bid RFI Responses – BP2 RFI-PB-001 To 073, BP3 RFI-001 To 019, BP5 RFI-001 To 007.  
Site Logistics Plan – Dated 11-06-2023  
BIM/VDC Execution Plan – Rev. 8 – April 2023  
Basis Of Schedule Dated 12-13-2023 & Construction Schedule with a Data Date of 11-28-2023

**General Clarifications**

1. Scope is based on the permit submittal set of drawings and specifications referenced above. The GMP includes “below the line” values which have previously been approved and are now considered part of the total project cost. Those include: preconstruction services, temporary trailer scope, VOIP relocation scope. Any added costs or impacts regarding updated documents for these scopes is not included. Underground trenching and conduits for the temporary trailer scope is not included.
2. The GMP includes mutually agreed modifications to the contract to update the following:
  - a. The definition of substantial completion
  - b. Update to the quantity of winter weather days within the GMP
  - c. Mutually agreed modifications to non-compensable time extension language
  - d. Updated insurance costs
3. XL General Conditions and General Requirements are Lump Sum. General Conditions will be billed monthly based on the total value divided by 29 months, and General Requirements will be billed monthly based on the total value divided by 26 months. General Conditions for November 2023, December 2023 and January 2024 will be billed once the full GMP has been approved.
4. For the purposes of change orders the prorated General Conditions per diem costs are \$7,339 per calendar day (\$6,326,556 / 862 days), and the General Requirements per diem costs are \$4,653 per calendar day (\$3,564,496 / 766 days), which will apply to schedule extensions. These per diem rates include all General Conditions costs and General Requirements costs, and exclude fee, general liability insurance, professional liability insurance, builders risk, subcontractor default insurance, bonds and direct costs. These per diem rates apply to non-contractor caused delays.

5. Bid insurance and Bond rate was 3%. The GMP has updated Insurance & Bonds as referenced below.
  - a. Subcontractor Default Insurance is included at a rate of 1.25%.
  - b. Professional Liability Insurance is included et a rate of 0.2%.
  - c. General Liability Insurance is included at a rate of 1.2%.
  - d. Builder's Risk Insurance is included by XL Construction for the coverage noted. The Builder's Risk Insurance policy will be purchased after the GMP has been funded. Delays in funding the GMP may impact the cost of the Builder's Risk Insurance policy. The Builders Risk Insurance policy includes 26 months of coverage. Extension of the policy will be quoted as an extension; the extension rate may vary from the base policy rate. Builder's Risk Insurance costs for change orders will be included at 2.2%. The Builder's Risk Insurance costs will be invoiced in full and paid the first month of the term.
  - e. Payment & Performance Bond coverage is included by XL Construction for 26 months. Additional bond costs for change orders will be included at 0.9% ). The Payment & Performance bond costs will be invoiced in full and paid the first month of the term.
6. COVID impacts to worker protocols, materials, and equipment procurement are not included and provisions for vaccination requirements are not included.
7. A 12-month workmanship warranty from the date of substantial completion is included by XL Construction and its Trade Partners. Extended workmanship warranties are not included unless specifically noted in the Basis of GMP. Manufacturer warranties are included as indicated in the specifications. All extended warranties from manufacturers are 'pass through' warranties.
8. Standard working hours are between 7am and 5pm for all work except for the specific activities listed below for off-hour work. See Overtime Allowance.
  - a. Power de-energization.
  - b. Deliveries and coordination that would be highly impactful to the adjacent Courts. Solution limited to working specific Saturdays throughout the project duration.
  - c. Specific trade activities that would significantly impact other trade activities and productivity.
9. Pricing is based on clean soils with no hazardous materials or substances in the soil, and unrestricted reuse on site. Further soil testing and reports for the soils below the existing probation building to be provided by County of San Mateo. Removal of 500 CY of clean spoils is included.
10. The following work will be done by others and will be completed prior to the start of XL Construction's mobilization for construction activities.
  - a. County's scope of work for the VOIP Relocation Project. XL is responsible for the VOIP relocation scope indicated in COR-002 and 004.
  - b. Disconnection, relocation, and removal of all equipment, furniture, loose material, etcetera from existing probation building prior to demolition.
11. All inspections will be conducted through the County. California Department of Health Care Access and Information (HCAI) / Office of Statewide Health Planning and Development (OSHPD) inspections not anticipated or included.
12. The project will be fully funded at the time of GMP approval. This has been noted as 1/28/24. Delays in full funding may impact the budget and will be handled as a change order. The project schedule is based on issuances of notices to proceed for critical path procurement scopes prior to final funding.
13. LEED support of documentation related to Construction credits is included. LEED administration and submission to USGBC is not included.
14. Design, except for as required for deferred approval items listed on sheet G1.1 by Smith Group, is not included.

15. Work related to existing underground conditions or utilities not indicated in the documents listed above is not included, and new work is based on the site utility routings and locations indicated in the drawings.
16. Utility service consumption costs (water, sewer, electrical) are not included.
17. Fees or permitting associated with any utility connections are not included.
18. Stand-alone mock-ups are limited to what has been identified within the GMP allowances. Some colors and finishes of the stand-alone mock-up may differ from selected finishes due to the procurement and installation schedule. Specifications may not align with what the County has approved for Mock-ups. All other specified mock-ups will be first-in place mock-ups for installation. A quality plan will be reviewed with the Owner and Architect.
19. Third-party, inspection, testing, commissioning and consultant scopes are not included with the exception of the noted Allowance for a peer review of waterproofing and thermal break details for the façade system. Commissioning assistance requirements beyond what is indicated in the specifications are not included.
20. The schedule is based on the availability of specified products to meet the schedule, or the use of similar or equal products for products not specified to be sole sourced.
21. Soil and ground water testing are not included, with the exception of testing of soils for off-haul.
22. All work associated with the Power Purchase Agreement (PPA) is not included. PPA provider will provide design for attachment to roof. Final details and quantities may have a cost impact and will be handled via change order to the GMP.
23. Plan-check, permit and encroachment permits and fees are not included.
24. Hazardous materials testing, unforeseen underground conditions, and consulting are not included.
25. Relocation of owner equipment, furniture or materials is not included.
26. Furnishings, fixtures and equipment (FFE), medical equipment, artwork, public art features, appliances, chairs-task arms, desks, desk lamps, etcetera are not included. Coordination with is included. An allowance for contractor installation of owner furnished equipment has been included.
27. Requirements related to a Project Labor Agreement are not included.
28. Preparation or costs for AMMR's or Engineering Judgements are not included.
29. Bird or bat surveys or nesting impacts are not included.
30. Impacts related to a 3<sup>rd</sup> party structural peer review are not included.
31. Winter Weather allowance will be utilized for temporary heating of the building. A limited estimate for temporary heating has been included for specific activities solely associated with the early work within the IDF and Main Electric rooms.
32. The GMP does not include anticipated impacts to the budget or schedule due to revised direction associated with the Value Engineering options presented by Trade Partners. Impacts to Budget and Schedule will be evaluated at the time in which those decisions have been made.
33. User requests accepted by the County that change the design documents will be a change order.
34. Buyout of L2 and L3 tenant improvements not included in the referenced drawings is not included. If L2 and L3 tenant improvement scope is added at a later date, this will be via change order to trade partners who have been awarded scope on the Primary Project.
35. Work impacted by any movement of existing easements will be addressed via change order.
36. The project schedule and budget anticipate power being provided to the temporary trailer to support the occupants' move into the trailer.
37. The design of an emergency back-up generator is in progress. All work associated with an emergency back-up generator or battery back-up system is not included.

**Demolition Clarifications**

1. Abatement or removal of household waste that is not specifically indicated in the Pre-Demolition Asbestos Survey, Lead-Based Paint Screening and Regulated Materials Assessment – By AEI Dated 06-02-2023, is not included.
2. Vibration, subsidence, and/or noise monitoring is not included.
3. Demolition includes removal of a slab on grade that is 6” thick and perimeter footing that are 5 CY/LF.

**Grading and Paving Clarifications**

1. GMP includes 13” transfer platform for the slab on grade. This scope includes excavation below existing building and associated off haul. GMP assumes 43.00’ elevation of grading below existing building. 43.00’ will be the working elevation for the pad for the DDCs.
2. Recycled asphalt base is included for base rock.
3. A total of four onsite mobilizations have been included for the earthwork scope (one for demo, one for rough grading, two for paving). One offsite mobilization has been included for the earthwork.

**Ground Improvement Clarifications**

1. Ground improvement elements to be set at 5-ft on center spacing in a rectangular grid pattern. Elements will be drilled to a depth of 15 feet below the organic layer producing an average depth of 43 feet below the ground surface. The DDC depth range is expected to span 51’ bgs and 35’ bgs based on the 2 bore log data points provided in the geotechnical exploration report. DDCs will be 18” diameter and backfilled with 1500 psi ready mix grout.
2. A quantity of (2) test piles, 8 sacrificial reaction piles, 2 compression tests, and 1 modulus test are included. Any additional testing to be by the County.
3. Over-excavation and re-compaction below building pad is not included.
4. The scope assumes the following as it relates to Soil Improvement: Working grade for drill rigs will be existing grade at an elevation between 43’ and 44’, DDC’s will be installed at varied elevations dependent on what element they are to support. 13” Load Transfer Pad (LTP) will be installed at the bottom of each footing to the extent of the footing excavation. Installation of slab on grade DDC’s adjacent to deep foundations will occur after backfill of deep foundations. A 13” LTP that will double as the capillary break to be installed under full extent of slab on grade.
5. The GMP assumes that the test pile is completed by equipment suitable for the work. The completion of the DDCs once approved by the County will be completed by an equivalent piece of equipment. The GMP does not include ‘dead time’ for the same piece of equipment to remain onsite between the test pile and the project work. A mobilization is included for the test piles, and a second mobilization is included for the DDC production scope.
6. Reinforcement steel for DDCs is not included outside of the “Reinforcing for DDC’s” Allowance. The “Reinforcing for DDC’s” Allowance is included as noted because CPT testing and review and design is currently in progress.

**Drywall & Metal Framing Clarifications**

1. Walls to be finished 10’ above finish floor at 2<sup>nd</sup> and 3<sup>rd</sup> floor shell space. Additional finishing above 10’ can be added as applicable via change order if 2<sup>nd</sup> and 3<sup>rd</sup> floor tenant improvement scope is added at a later date.

**Doors And Opening Clarifications**

1. Keying and lockset cores are not included. Temporary construction cores and temp doors are included for electrical rooms and exterior doors as applicable.

**Roofing Clarifications**

1. A quantity of 386ea of detail 56/A5.0.3 is included for PV panel attachment. The quantity is not currently clearly defined.

**Ceiling Clarifications**

1. LWP-1 and 2 are included as a Armstrong custom product VG hemlock veneer. Armstrong # 7097 and 7099 indicated on plans is not a hemlock veneer product.

**Painting Clarifications**

1. Sanding and Sansin finish coat is included at exposed locations only.

**Specialties & Equipment Clarifications**

1. Installation of equipment noted to be owner furnished and contractor installed is not included. An allowance is included for owner furnished equipment.
2. Interior signage manufactured, furnished and installed by Andresen is included. Drawings and specifications do not list manufacturers.
3. Elevator smoke guard is specified as model M200 with battery backup; however this does not exist. Scope includes similar model M400B with the battery backup option.
4. Modernfold encore manual operable wall with STC 56 rating is included. Specifications reference STC 60; however, the highest STC rating available is 56.
5. No visual display units or marker boards are shown in the drawings on walls and none are included. There are references to these scopes in the specifications.

**Exterior Façade Clarifications**

1. Window washing infrastructure or equipment is not included.
2. Warranty durations beyond the standard manufacturer warranty are not included. The warranty durations for doors are longer than manufacturer or industry standard and are not included.

**Mass Timber & Rough Carpentry Clarifications**

1. Side nailers and glulam wraps to beams per detail 6/S5.5.2 at the 2<sup>nd</sup> and 3<sup>rd</sup> floor shell spaces are not included. This can be added via change order at a later date if tenant improvement scope is added at the 2<sup>nd</sup> and 3<sup>rd</sup> floor shell spaces.
2. Douglas Fir species is included for Glulams and Spruce/Pine/Fir for CLT. Specification section 061800 references Douglas Fir for glulams and 061543 references Spruce/Pine/Fir for CLT thus species may be dissimilar.
3. Shipping to project site is included; costs associated with storage are not included. It is assumed materials will be shipped to the project site and installed as indicated in the schedule without storage.
4. A fire wrap of the timber within the raised access floor is not included as this is not anticipated as a requirement due to the height of the floor system.
5. Forrest Stewardship Council (FSC) products or certification are not included.

6. Shoring is not expected to support the 3ply CLT during the concrete topping slab installation. If the structural engineer notes that deflection of the CLT will require shoring, this will be a change order to the project.

#### **Elevator Clarifications**

1. Elevators included are KONE standard side-opening cars which are gurney-compliant in lieu of the non-gurney-compliant cars depicted, include KONE 24/7 Emergency Communications system, and include a speed of 200 feet per minute.

#### **Sitework Clarifications**

1. Repairs, adjustments, or upgrades to the existing backflow preventor device at Grand Avenue are not included. Assumes it is in working order and sufficient for new requirements.
2. Pruning or fertilizing of existing trees to remain within tree protection fencing is not included.
3. Work for SWPPP risk level 1 is included as recommended by the selected QSD bidder. C3.4 "General Notes Related to 2009 SWPPP Requirements" note #3 indicates the risk level for this site is risk level 3.
4. No soil or topsoil import is included. Amendment of existing soils per the specifications is included.
5. Photovoltaic structures, raceways not shown in the drawings, and photovoltaic equipment for the site are not included.
6. New AC paving is included in Phase 1 where a grind and overlay is indicated. Slurry seal is included in Phase 2.
7. Time or cost impacts associated with archeology, paleontology, or unforeseen underground discoveries or procedures are not included.
8. Asphalt repairs and modifications at Owner's trailer complex after trailer demobilization is not included.

#### **Landscaping & Irrigation Clarifications**

1. Trimming and maintenance of existing trees shall be by the County. Keeping the trees alive within the construction fencing is included, and work outside the construction fencing will be completed by the County.
2. No work is indicated for areas noted as protected and no work is included. Appropriate tie-in to these areas is included.
3. No work is included for repairs to existing irrigation systems. The GMP includes new irrigation system as noted on the plans.
4. Plant spacing not shown on the drawings is included based on 25% for native grass mix and the stormwater treatment area, and 33% for perennials.

#### **Owner Allowances**

Various Owner Allowances are included in the GMP. Owner Allowances are included to cover certain known but less-defined elements of the work or areas known that need to be incorporated. Because their scopes are not fully defined, and to some extent owner-decision generated, they are budgets. Use of Owner Allowances will be upon owner approval as a transfer within the GMP. Any unused funds within the Owner Allowance line items may be transferred to other owner-directed uses or credited to the GMP. Any costs in addition to the Owner Allowance line items will be added via change order. See Owner Allowance list in GMP Summary Report.

**END OF BASIS OF GMP**

## 5 - Letters Of Recommendation & Bid Tally Sheets

# Letters Of Recommendation, Bid Tally Sheets & Bids

LORs, Bid Tallys & Bids (No Expiration)

Password: Xes4D8cd

[https://xlconstruction.egnyte.com/fl/dxIMaAMQr8/LORs%2C\\_Bid\\_Tallys\\_%26\\_Bids\\_](https://xlconstruction.egnyte.com/fl/dxIMaAMQr8/LORs%2C_Bid_Tallys_%26_Bids_)

## 6 - General Conditions & General Requirements



Revised February 12th, 2024

Ms. Jasmine Gao  
Sr. Project Manager  
County of San Mateo

Re: County of San Mateo – South San Francisco Wellness Center  
**Letter of Recommendation – General Conditions**

Jasmine:

Below for your review is XL Construction's Letter of Recommendation for the **General Conditions**.

The **General Conditions** are based upon the Project schedule with a 11/28/2023 data date. The basis of the **General Conditions** has been captured in the Basis of GMP for further clarification.

The following values shall be lump sum:

- General Conditions \$6,326,556

**Please confirm the above by returning this recommendation letter with your signature below.** The above values will be reflected in the GMP.

**Approved by:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Sincerely,  
XL Construction Corp.  
Jeff Herbage  
Senior Project Manager

CC: Chad Hamilton (XL), David Barron (XL), Dan Nielsen (Colbalt)

Attachments:

- General Conditions Summary 2023.12.12
- General Conditions Hours 2023.12.12
- General Conditions Staffing Summary 2023.12.12
- Rate Sheets (XL Construction, Bradley, Elevated, Arrow)





CoSM SSF Wellness Center  
General Conditions Staffing Summary

12-12-2023

		Buyout			General Conditions																										
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
		2023			2024												2025												2026		
		Oct	Nov	Dec	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
Office Staff	<b>PX: Chad</b>	Deliverables Tracking and Management Budget Tracking and Contract Management Staffing Management																													
	<b>Sr. Project Manager: Jeff</b>	Modular Trailer Demo / Abatement Timber Design Timber Erection Test Pile Program Steel Coordination Steel Erection Elevator Submittals Elevator Install Subcontract Management Budget Management																													
	<b>Sr. Project Engineer: Sean</b>	Mechanical / Plumbing / Submittals Electrical Submittals Façade design, mock-up testing Framing coordination Fire Sprinkler design coordination Weekly Meetings: OAC Underground Utilities Underground Conduit Mech /Plumb Rough in Electrical Rough in Framing (exterior and interior) Drywall MEP Finishes																													
	<b>Project Engineer #1</b>	Project Submittals Sitework Interior Procurement / Coordination Interior Finishes Construction Document Management Weekly Meetings: Foreman Punchlist & Closeout																													
	<b>Project Administrator</b>	Contracts and Insurance Administration Document Management Pay Applications																													
Field Staff	<b>General Superintendent</b>	Field oversight and support																													
	<b>Sr. Superintendent: David</b>	Modular Trailer Site Abatement DDCs DDCs Fdns and Underground Steel Concrete Foundations Utility Yard Timber Erection Primary Framing Secondary Framing Interior Build out																													
	<b>Assist Superintendent: Colin</b>	Schedule Management Sitework Focused Trades Roof Coordination Inspections Coordination PV Coordination																													
	<b>MEP Manager</b>	MEP & F/S Submittals and Coord. Field QA/QC Interior Coordination and QA/QC PGE Coordination Cx, Testing, Balancing, Sign-Offs																													
	<b>Sustainability Manager</b>	LEED Point Administration with Subs LEED Point Administration with Subs LEED Submission																													
	<b>Scheduler</b>	Schedule QA/QC Support																													
	<b>Safety Manager</b>	Site Safety Orientations, Management, Safety Plan																													

Location: 2023 - Bay Area

Position	2023	2024	2025	2026	2027
Vice President / Project Executive / Director	\$281.02	\$295.07	\$309.82	\$325.31	\$341.58
General Superintendent	\$274.70	\$288.44	\$302.86	\$318.00	\$333.90
Sr. Project Manager	\$210.64	\$221.17	\$232.23	\$243.84	\$256.03
Project Manager	\$184.56	\$193.79	\$203.48	\$213.66	\$224.34
MEP Manager	\$211.00	\$221.55	\$232.63	\$244.26	\$256.47
Assistant Project Manager	\$156.00	\$163.80	\$171.99	\$180.59	\$189.62
Sr. Project Engineer / Snr Field Engineer / Senior Cost Engineer	\$134.00	\$140.70	\$147.74	\$155.12	\$162.88
Sr. MEP Project Engineer	\$149.00	\$156.45	\$164.27	\$172.49	\$181.11
Project Engineer / Field Engineer / Cost Engineer	\$130.00	\$136.50	\$143.33	\$150.49	\$158.02
MEP Project Engineer	\$145.00	\$152.25	\$159.86	\$167.86	\$176.25
Sr. Superintendent	\$224.18	\$235.39	\$247.16	\$259.52	\$272.50
Superintendent	\$185.52	\$194.79	\$204.53	\$214.76	\$225.50
Assistant Superintendent	\$165.64	\$173.92	\$182.62	\$191.75	\$201.33
Sr Safety Manager	\$173.00	\$181.65	\$190.73	\$200.27	\$210.28
Safety Manager	\$159.00	\$166.95	\$175.30	\$184.06	\$193.27
Safety Engineer	\$147.00	\$154.35	\$162.07	\$170.17	\$178.68
MEP Coordinator	\$173.00	\$181.65	\$190.73	\$200.27	\$210.28
Sr. Project Accountant	\$125.00	\$131.25	\$137.81	\$144.70	\$151.94
Project Accountant	\$115.00	\$120.75	\$126.79	\$133.13	\$139.78
Project Admin Manager	\$135.00	\$141.75	\$148.84	\$156.28	\$164.09
Lead Project Admin	\$125.00	\$131.25	\$137.81	\$144.70	\$151.94
Sr. Project Administration	\$115.00	\$120.75	\$126.79	\$133.13	\$139.78
Project Administration	\$105.00	\$110.25	\$115.76	\$121.55	\$127.63
Senior Preconstruction Manager	\$259.97	\$272.97	\$286.61	\$300.94	\$315.99
Preconstruction Manager	\$233.66	\$245.34	\$257.60	\$270.48	\$284.01
Chief Estimator	\$281.02	\$295.07	\$309.82	\$325.31	\$341.58
Sr. Estimator	\$203.13	\$213.29	\$223.95	\$235.15	\$246.91
Estimator	\$185.24	\$194.50	\$204.23	\$214.44	\$225.16
MEP Estimator	\$224.18	\$235.39	\$247.16	\$259.52	\$272.50
VDC Group Manager	\$237.87	\$249.76	\$262.25	\$275.36	\$289.13
VDC Project Manager	\$191.56	\$201.13	\$211.19	\$221.75	\$232.84
VDC Coordinator	\$175.77	\$184.56	\$193.78	\$203.47	\$213.65
VDC Field Technician	\$126.30	\$132.62	\$139.25	\$146.21	\$153.52
BIM Specialist	\$109.46	\$114.93	\$120.68	\$126.71	\$133.05
Sustainability Manager	\$210.50	\$221.03	\$232.08	\$243.68	\$255.86
Sustainability Specialist	\$175.77	\$184.56	\$193.78	\$203.47	\$213.65
Sr Scheduler	\$224.18	\$235.39	\$247.16	\$259.52	\$272.50
Scheduler	\$183.14	\$192.29	\$201.91	\$212.00	\$222.60
Lean Facilitator	\$281.02	\$295.07	\$309.82	\$325.31	\$341.58
Sr. Carpenter Foreman	\$156.00	\$163.80	\$171.99	\$180.59	\$189.62
Carp. Foreman	\$147.35	\$154.72	\$162.45	\$170.58	\$179.10
Carpenter	\$138.93	\$145.88	\$153.17	\$160.83	\$168.87
Senior Labor Foreman	\$122.00	\$128.10	\$134.51	\$141.23	\$148.29
Labor Foreman	\$112.62	\$118.25	\$124.16	\$130.37	\$136.89
Laborer	\$103.15	\$108.30	\$113.72	\$119.40	\$125.37
Shop Staff	\$87.36	\$91.73	\$96.31	\$101.13	\$106.18

Notes:

Labor rates are fully burdened with salary, wages, benefits, bonuses, commute vehicles and fuel, cell phones and taxes. Employees are paid prevailing wage or higher and receive competitive compensation to ensure highly qualified staff.

The Social Security National Average Wage Index for 2019 is 54,099.99, and for 2022 is 63,795.13, which is for the most recent year available, and this differences calculates to an average annual increase of over 5.6% per year over the last 3 years with available data ( <https://www.ssa.gov/OACT/COLA/AWI.html> ). The 2023 labor rates are based on increases from 2019 that average less than 5% per year, and the escalation for future years is based on the 2023 rates and increases of 5% each year, which are below the referenced calculated Social Security National

**RFP TO GMP LABOR RATES COMPARISON**

THIS DOCUMENT IS FOR REFERENCE ONLY AND SHOWS THE ESCALATED RATES BETWEEN 2019 AND 2023. REFER TO THE DIRECT STAFF RATES SHEET FOR THE RATES TO BE INCLUDED IN THE GMP AND ASSOCIATED CONTRACT AMENDMENT.

**XL CONSTRUCTION**

<b>Position</b>	2019 RFP Rates	2020 5%	2021 5%	2022 5%	2023 GMP	
Principal	\$ 270	\$ 284	\$ 298	\$ 313		
Project Exec/VP	\$ 241	\$ 253	\$ 266	\$ 279	\$ 281.02	117%
Gen Supt	\$ 237	\$ 249	\$ 261	\$ 274	\$ 274.70	116%
Sr. Project Manager	\$ 179	\$ 188	\$ 197	\$ 207	\$ 210.64	118%
Project Manager	\$ 148	\$ 155	\$ 163	\$ 171	\$ 184.56	125%
Assistant Project Manager					\$ 156.00	
Sr. Project / Field / Cost Engineer	\$ 112	\$ 118	\$ 123	\$ 130	\$ 134.00	120%
Project / Field / Cost Engineer	\$ 108	\$ 113	\$ 119	\$ 125	\$ 130.00	120%
Sr. Supt	\$ 191	\$ 201	\$ 211	\$ 221	\$ 224.18	117%
Superintendent	\$ 154	\$ 162	\$ 170	\$ 178	\$ 185.52	120%
Asst Supt	\$ 135	\$ 142	\$ 149	\$ 156	\$ 165.64	123%
Director of Risk Management	\$ 190	\$ 200	\$ 209	\$ 220		
Sr Safety Manager					\$ 173.00	
Safety Manager					\$ 159.00	
Safety Engineer	\$ 123	\$ 129	\$ 136	\$ 142	\$ 147.00	120%
MEP Mgr / Coordinator	\$ 159	\$ 167	\$ 175	\$ 184	\$ 211.00	133%
Project Administration	\$ 94	\$ 99	\$ 104	\$ 109	\$ 105.00	112%
Sr. Project Accountant					\$ 125.00	
Project Accountant					\$ 115.00	
Project Admin Manager					\$ 135.00	
Lead Project Admin					\$ 125.00	
Sr. Project Administration					\$ 115.00	
Precon Manager	\$ 199	\$ 209	\$ 219	\$ 230	\$ 233.66	117%
Chief Estimator					\$ 281.02	
Sr Estimator	\$ 173	\$ 182	\$ 191	\$ 200	\$ 203.13	117%
Estimator	\$ 156	\$ 164	\$ 172	\$ 181	\$ 185.24	119%
MEP Estimator	\$ 191	\$ 201	\$ 211	\$ 221	\$ 224.18	117%
BIM Director	\$ 197	\$ 207	\$ 217	\$ 228	\$ 237.87	121%
BIM PM	\$ 162	\$ 170	\$ 179	\$ 188	\$ 191.56	118%
VDC Coordinator					\$ 175.77	
BIM Specialist	\$ 121	\$ 127	\$ 133	\$ 140	\$ 109.46	90%
Sustainability Manager	\$ 183	\$ 192	\$ 202	\$ 212	\$ 210.50	115%
Sustainability Specialist					\$ 175.77	
Sr Scheduler					\$ 224.18	
Scheduler	\$ 155	\$ 163	\$ 171	\$ 179	\$ 183.14	118%
Lean Facilitator	\$ 250	\$ 263	\$ 276	\$ 289	\$ 281.02	112%
Sr. Carpenter Foreman					\$ 156.00	
Carp. Foreman	\$ 132	\$ 139	\$ 146	\$ 153	\$ 147.35	112%
Carpenter	\$ 123	\$ 129	\$ 136	\$ 142	\$ 138.93	113%
Senior Labor Foreman					\$ 122.00	
Labor Foreman	\$ 101	\$ 106	\$ 111	\$ 117	\$ 112.62	112%
Laborer	\$ 92	\$ 97	\$ 101	\$ 107	\$ 103.15	112%
Shop Driver	\$ 78	\$ 82	\$ 86	\$ 90	\$ 87.36	112%
Average Rate	\$ 160	\$ 169	\$ 177	\$ 186	\$ 174.15	
Escalation from Bid Rate to GMP Rate						117%

Notes:

Labor rates are fully burdened with salary, wages, benefits, bonuses, commute vehicles and fuel, cell phones and taxes. Employees are paid prevailing wage or higher and receive competitive compensation to ensure highly qualified staff. The Social Security National Average Wage Index for 2019 is 54,099.99, and for 2022 is 63,795.13, which is for the most recent year available, and this difference calculates to an average annual increase of over 5.6% per year over the last 3 years with available data ( <https://www.ssa.gov/OACT/COLA/AWI.html> ). The 2023 labor rates are based on increases from 2019 that average less than 5% per year, and the escalation for future years is based on the 2023 rates and increases of 5% each year, which are below the referenced calculated Social Security National Average increase.

PROJECT NAME **County of San Mateo South San Francisco Wellness Center**

CONTRACTOR **XL Construction**

SUBCONTRACTOR

PROJECT NO.

CONTRACT NO.

DATE For 2023

**HOURLY LABOR RATE WORKSHEET**

(Reference 'Document 01 2600' in your contract. Certified payrolls required for all workers on Project. Contractor shall enter data into all fields highlighted in yellow; for fields highlighted in blue, data will automatically populate.

TRADE: **Carpenters** CLASSIFICATION: **Foreman**

Item	Rate Per \$100	Union Wage Rate			Notes													
		Regular Time	Overtime	Double Time														
Base Labor Rate		\$ 66.43	\$ 99.65	\$ 132.86	Use certified payroll to verify.													
Fringe Benefits: <table border="1" style="margin-left: 20px;"> <tr> <td>Benefit Paid</td> <td>Benefit Provided</td> </tr> <tr> <td colspan="2">(put X in appropriate box)</td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td>X</td> <td></td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td>X</td> <td></td> </tr> <tr> <td></td> <td>X</td> </tr> </table>	Benefit Paid	Benefit Provided	(put X in appropriate box)			X	X			X	X			X				
	Benefit Paid	Benefit Provided																
	(put X in appropriate box)																	
		X																
	X																	
		X																
	X																	
	X																	
Pension <sup>1</sup>		11.25	11.25	11.25														
Health/Welfare <sup>1</sup>		12.49	12.49	12.49														
Training/Certification <sup>1</sup>		1.19	1.19	1.19														
Vacation/Holiday <sup>1</sup>		5.58	5.58	5.58														
Other		3.30	3.30	3.30														
Fringe Benefits Subtotal		\$ 33.81	\$ 33.81	\$ 33.81														
Total PW Hourly Rate		\$ 100.24	\$ 133.46	\$ 166.67	= Base Labor Rate + Benefits Paid + Benefits Provided													
Benefits Paid		\$ 5.58	\$ 5.58	\$ 5.58														
Total Paid Hourly Rate		\$ 72.01	\$ 105.23	\$ 138.44	= Base Labor Rate + Benefits Paid													
Burden: Taxes & Insurance <sup>2</sup>					Should not be more than CalTrans labor surcharge.													
FICA	0.0620	4.46	6.52	8.58														
Medicare	0.0145	1.04	1.53	2.01														
Federal Unemployment	0.0080	0.58	0.84	1.11														
California Unemployment		-	-	-	Maximum - 0.062.													
Workers Compensation <sup>1</sup>		1.24	1.24	1.24	Usually less than 11%; can request policy.													
Other <sup>1</sup>		39.79	39.79	39.79														
Other <sup>1</sup>		-	-	-														
Burden Subtotal		\$ 47.11	\$ 49.92	\$ 52.73														
Contractor Liability Insurance		N/A	N/A	N/A	Included in OH&P per CGC													
Small Tools		N/A	N/A	N/A	Included in OH&P per CGC													
Other (warranty, record drawings, payment bonds, performance bonds, etc.)		N/A	N/A	N/A	Included in OH&P per CGC													
<b>TOTAL HOURLY RATE (Total Hourly Rate + Burden)</b>		<b>\$ 147.35</b>	<b>\$ 183.38</b>	<b>\$ 219.40</b>	= Amount Contractor paid to employee													

Note: For change order work, mark-ups for overhead and profit shall be applied to the above rates (these rates are subject to audit) in accordance with the provisions of CGCs, under 'Change Orders'. Mark-up rates for utility repair work shall be adjusted in accordance with the CGCs, under 'Contractor's Responsibility for the Work', subsection 'e-Utilities'.

<sup>1</sup> Costs for Overtime and Double Time are same as for Regular Time.

<sup>2</sup> Taxes & Insurance apply to Total Paid Hourly Rate which includes Base Labor Rate plus benefits paid in cash.

By signing below, the submitter certifies and declares under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Rates certified by: \_\_\_\_\_ Company Name: **XL Construction**  
(print name)

Signature: \_\_\_\_\_

PROJECT NAME **County of San Mateo South San Francisco Wellness Center**

CONTRACTOR **XL Construction**

SUBCONTRACTOR

PROJECT NO.

CONTRACT NO.

DATE For 2023

**HOURLY LABOR RATE WORKSHEET**

(Reference 'Document 01 2600' in your contract. Certified payrolls required for all workers on Project. Contractor shall enter data into all fields highlighted in yellow; for fields highlighted in blue, data will automatically populate.)

TRADE: **Carpenter** CLASSIFICATION: **Journeyman**

Item	Rate Per \$100	Union Wage Rate			Notes											
		Regular Time	Overtime	Double Time												
Base Labor Rate		\$ 60.39	\$ 90.59	\$ 120.78	Use certified payroll to verify.											
Fringe Benefits: <table border="1" style="margin-left: 20px;"> <tr> <td>Benefit Paid</td> <td>Benefit Provided</td> </tr> <tr> <td colspan="2">(put X in appropriate box)</td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td>X</td> <td></td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td>X</td> <td></td> </tr> </table>	Benefit Paid	Benefit Provided	(put X in appropriate box)			X	X			X	X					
	Benefit Paid	Benefit Provided														
	(put X in appropriate box)															
		X														
	X															
		X														
X																
Pension <sup>1</sup>		11.25	11.25	11.25												
Health/Welfare <sup>1</sup>		12.49	12.49	12.49												
Training/Certification <sup>1</sup>		1.19	1.19	1.19												
Vacation/Holiday <sup>1</sup>		5.58	5.58	5.58												
Other		3.30	3.30	3.30												
Fringe Benefits Subtotal		\$ 33.81	\$ 33.81	\$ 33.81												
Total PW Hourly Rate		\$ 94.20	\$ 124.40	\$ 154.59	= Base Labor Rate + Benefits Paid + Benefits Provided											
Benefits Paid		\$ 5.58	\$ 5.58	\$ 5.58												
Total Paid Hourly Rate		\$ 65.97	\$ 96.17	\$ 126.36	= Base Labor Rate + Benefits Paid											
Burden: Taxes & Insurance <sup>2</sup>					Should not be more than CalTrans labor surcharge.											
FICA	0.0620	4.09	5.96	7.83												
Medicare	0.0145	0.96	1.39	1.83												
Federal Unemployment	0.0080	0.53	0.77	1.01												
California Unemployment		-	-	-	Maximum - 0.062.											
Workers Compensation <sup>1</sup>		1.11	1.11	1.11	Usually less than 11%; can request policy.											
Other <sup>1</sup>		38.05	38.05	38.05												
Other <sup>1</sup>		-	-	-												
Burden Subtotal		\$ 44.73	\$ 47.29	\$ 49.84												
Contractor Liability Insurance		N/A	N/A	N/A	Included in OH&P per CGC											
Small Tools		N/A	N/A	N/A	Included in OH&P per CGC											
Other (warranty, record drawings, payment bonds, performance bonds, etc.)		N/A	N/A	N/A	Included in OH&P per CGC											
<b>TOTAL HOURLY RATE (Total Hourly Rate + Burden)</b>		<b>\$ 138.93</b>	<b>\$ 171.68</b>	<b>\$ 204.43</b>	= Amount Contractor paid to employee											

Note: For change order work, mark-ups for overhead and profit shall be applied to the above rates (these rates are subject to audit) in accordance with the provisions of CGCs, under 'Change Orders'. Mark-up rates for utility repair work shall be adjusted in accordance with the CGCs, under 'Contractor's Responsibility for the Work', subsection 'e-Utilities'.

<sup>1</sup> Costs for Overtime and Double Time are same as for Regular Time.

<sup>2</sup> Taxes & Insurance apply to Total Paid Hourly Rate which includes Base Labor Rate plus benefits paid in cash.

By signing below, the submitter certifies and declares under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Rates certified by: \_\_\_\_\_ Company Name: **XL Construction**  
(print name)

Signature: \_\_\_\_\_

PROJECT NAME **County of San Mateo South San Francisco Wellness Center**

CONTRACTOR **XL Construction**

SUBCONTRACTOR

PROJECT NO.

CONTRACT NO.

DATE For 2023

**HOURLY LABOR RATE WORKSHEET**

(Reference 'Document 01 2600' in your contract. Certified payrolls required for all workers on Project. Contractor shall enter data into all fields highlighted in yellow; for fields highlighted in blue, data will automatically populate.)

TRADE: **Laborer** CLASSIFICATION: **Foreman**

Item	Rate Per \$100	Union Wage Rate			Notes	
		Regular Time	Overtime	Double Time		
Base Labor Rate		\$ 41.13	\$ 61.70	\$ 82.26	Use certified payroll to verify.	
Fringe Benefits: (put X in appropriate box)	Benefit Paid					
	Benefit Provided					
	Pension <sup>1</sup>	X	9.96	9.96	9.96	
	Health/Welfare <sup>1</sup>	X	10.10	10.10	10.10	
	Training/Certification <sup>1</sup>	X	0.52	0.52	0.52	
	Vacation/Holiday <sup>1</sup>	X	3.26	3.26	3.26	
Other	X	4.72	4.72	4.72		
Fringe Benefits Subtotal		\$ 28.56	\$ 28.56	\$ 28.56		
Total PW Hourly Rate		\$ 69.69	\$ 90.26	\$ 110.82	= Base Labor Rate + Benefits Paid + Benefits Provided	
Benefits Paid		\$ 3.26	\$ 3.26	\$ 3.26		
Total Paid Hourly Rate		\$ 44.39	\$ 64.96	\$ 85.52	= Base Labor Rate + Benefits Paid	
Burden: Taxes & Insurance <sup>2</sup>					Should not be more than CalTrans labor surcharge.	
FICA	0.0620	2.75	4.03	5.30		
Medicare	0.0145	0.64	0.94	1.24		
Federal Unemployment	0.0080	0.36	0.52	0.68		
California Unemployment		-	-	-	Maximum - 0.062.	
Workers Compensation <sup>1</sup>		0.74	0.74	0.74	Usually less than 11%; can request policy.	
Other <sup>1</sup>		38.44	38.44	38.44		
Other <sup>1</sup>		-	-	-		
Burden Subtotal		\$ 42.93	\$ 44.67	\$ 46.41		
Contractor Liability Insurance		N/A	N/A	N/A	Included in OH&P per CGC	
Small Tools		N/A	N/A	N/A	Included in OH&P per CGC	
Other (warranty, record drawings, payment bonds, performance bonds, etc.)		N/A	N/A	N/A	Included in OH&P per CGC	
<b>TOTAL HOURLY RATE (Total Hourly Rate + Burden)</b>		<b>\$ 112.62</b>	<b>\$ 134.92</b>	<b>\$ 157.23</b>	= Amount Contractor paid to employee	

Note: For change order work, mark-ups for overhead and profit shall be applied to the above rates (these rates are subject to audit) in accordance with the provisions of CGCs, under 'Change Orders'. Mark-up rates for utility repair work shall be adjusted in accordance with the CGCs, under 'Contractor's Responsibility for the Work', subsection 'e-Utilities'.

<sup>1</sup> Costs for Overtime and Double Time are same as for Regular Time.

<sup>2</sup> Taxes & Insurance apply to Total Paid Hourly Rate which includes Base Labor Rate plus benefits paid in cash.

By signing below, the submitter certifies and declares under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Rates certified by: \_\_\_\_\_ Company Name: **XL Construction**

(print name)

Signature: \_\_\_\_\_

PROJECT NAME **County of San Mateo South San Francisco Wellness Center**

CONTRACTOR **XL Construction**

SUBCONTRACTOR

PROJECT NO.

CONTRACT NO.

DATE For 2023

**HOURLY LABOR RATE WORKSHEET**

(Reference 'Document 01 2600' in your contract. Certified payrolls required for all workers on Project. Contractor shall enter data into all fields highlighted in yellow; for fields highlighted in blue, data will automatically populate.)

TRADE: **Laborer** CLASSIFICATION: **Journeyman**

Item	Rate Per \$100	Union Wage Rate			Notes													
		Regular Time	Overtime	Double Time														
Base Labor Rate		\$ 36.25	\$ 54.38	\$ 72.50	Use certified payroll to verify.													
Fringe Benefits: <table border="1" style="margin-left: 20px;"> <tr> <td>Benefit Paid</td> <td>Benefit Provided</td> </tr> <tr> <td colspan="2">(put X in appropriate box)</td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td>X</td> <td></td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td>X</td> <td></td> </tr> <tr> <td></td> <td>X</td> </tr> </table>	Benefit Paid	Benefit Provided	(put X in appropriate box)			X	X			X	X			X				
	Benefit Paid	Benefit Provided																
	(put X in appropriate box)																	
		X																
	X																	
		X																
	X																	
	X																	
Pension <sup>1</sup>		9.96	9.96	9.96														
Health/Welfare <sup>1</sup>		10.10	10.10	10.10														
Training/Certification <sup>1</sup>		0.52	0.52	0.52														
Vacation/Holiday <sup>1</sup>		3.26	3.26	3.26														
Other		4.72	4.72	4.72														
Fringe Benefits Subtotal		\$ 28.56	\$ 28.56	\$ 28.56														
Total PW Hourly Rate		\$ 64.81	\$ 82.94	\$ 101.06	= Base Labor Rate + Benefits Paid + Benefits Provided													
Benefits Paid		\$ 3.26	\$ 3.26	\$ 3.26														
Total Paid Hourly Rate		\$ 39.51	\$ 57.64	\$ 75.76	= Base Labor Rate + Benefits Paid													
Burden: Taxes & Insurance <sup>2</sup>					Should not be more than CalTrans labor surcharge.													
FICA	0.0620	2.45	3.57	4.70														
Medicare	0.0145	0.57	0.84	1.10														
Federal Unemployment	0.0080	0.32	0.46	0.61														
California Unemployment		-	-	-	Maximum - 0.062.													
Workers Compensation <sup>1</sup>		0.65	0.65	0.65	Usually less than 11%; can request policy.													
Other <sup>1</sup>		34.35	34.35	34.35														
Other <sup>1</sup>		-	-	-														
Burden Subtotal		\$ 38.34	\$ 39.87	\$ 41.40														
Contractor Liability Insurance		N/A	N/A	N/A	Included in OH&P per CGC													
Small Tools		N/A	N/A	N/A	Included in OH&P per CGC													
Other (warranty, record drawings, payment bonds, performance bonds, etc.)		N/A	N/A	N/A	Included in OH&P per CGC													
<b>TOTAL HOURLY RATE (Total Hourly Rate + Burden)</b>		<b>\$ 103.15</b>	<b>\$ 122.81</b>	<b>\$ 142.46</b>	= Amount Contractor paid to employee													

Note: For change order work, mark-ups for overhead and profit shall be applied to the above rates (these rates are subject to audit) in accordance with the provisions of CGCs, under 'Change Orders'. Mark-up rates for utility repair work shall be adjusted in accordance with the CGCs, under 'Contractor's Responsibility for the Work', subsection 'e-Utilities'.

<sup>1</sup> Costs for Overtime and Double Time are same as for Regular Time.

<sup>2</sup> Taxes & Insurance apply to Total Paid Hourly Rate which includes Base Labor Rate plus benefits paid in cash.

By signing below, the submitter certifies and declares under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Rates certified by: \_\_\_\_\_ Company Name: **XL Construction**

(print name)

Signature: \_\_\_\_\_

**CONSTRUCTION EMPLOYERS' ASSOCIATION**

2175 N. California Blvd., Suite 420  
Walnut Creek, CA 94596  
(925) 930-8184

3800 Watt Avenue, Ste. 215  
Sacramento, CA 95821  
(916) 978-8510

**2022 - 2027 CEA/CARPENTERS MASTER AGREEMENT  
46 NORTHERN CALIFORNIA COUNTIES  
WAGE AND FRINGE BENEFIT RATES  
Effective July 1, 2023 through June 30, 2024**

<b><u>FRINGE BENEFITS</u></b>	<b><u>EFFECTIVE</u></b> <b><u>7/1/23-6/30/24</u></b> <b><u>PER HOUR</u></b>	
Health & Welfare	\$12.49	(\$ .39 increase)
Pension	\$11.25	(\$ .15 increase)
*Vacation/Holiday/Sick Leave Trust	\$3.18	(\$ .23 increase)
*Work Fee	\$2.40	(\$ .11 increase)
Training	\$1.19	(\$ .06 increase)
Industry Advancement (Includes Contract Admin., Industry Promotion, Carpenters International Training Fund)	\$0.27	(\$ .03 increase)
Work Preservation	\$0.05	
Vacation/Holiday/Sick Leave Admin.	\$0.10	
Annuity Fund	<u>\$2.88</u>	(\$ .33 increase)
Total Fringe Benefits	\$33.81	
(Total Fringe Benefits excluding Vacation/Holiday/Sick Leave Trust and Work Fee)		(\$28.23)

---

**2022 - 2027 CARPENTERS AGREEMENT RATES (cont'd.)**

**WAGE RATES**

**AREA 1 – (Counties of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano and Sonoma):**

	<b><u>EFFECTIVE</u></b> <b><u>7/1/23-6/30/24</u></b> <b><u>PER HOUR</u></b>	<b><u>EFFECTIVE</u></b> <b><u>7/1/23-6/30/24</u></b> <b><u>PER HOUR</u></b> <b><u>(TAXABLE)</u></b>
Journeyman Carpenter	\$60.39	\$65.97
Bridge Builder/Highway Carpenter	\$60.39	\$65.97
Hardwood Floorlayer	\$60.54	\$66.12
Shingler	\$60.54	\$66.12
Power Saw Operator	\$60.54	\$66.12
Steel Scaffold Erector and/or	\$60.54	\$66.12
Steel Shoring Erector	\$60.54	\$66.12
Millwright	\$60.49	\$66.16
Foreman (10% above journeyman's wage rate)	\$66.43	\$72.01
General Foreman (20% above Foreman's wage rate)	\$79.72	\$85.30

Note: Men working from Bos'n chairs, swinging scaffolds, or suspended from rope, cable, or from a safety belt or any device used as a substitute or in lieu thereof shall receive fifty cents (\$.50) per hour above the applicable journeyman or apprentice rate.

**CONSTRUCTION EMPLOYERS' ASSOCIATION**

2175 North California Blvd., Suite 420  
Walnut Creek, CA 94596  
(925) 930-8184

3800 Watt Avenue, Suite 215  
Sacramento, CA 95821  
(916) 978-8510

**LABORERS' MASTER BUILDERS AGREEMENT  
46 NORTHERN CALIFORNIA COUNTIES  
WAGE AND FRINGE BENEFIT RATES  
Applicable June 26, 2023 through June 30, 2024**

	<b>EFFECTIVE 6/26/23-6/30/24 PER HOUR</b>	
<b><u>FRINGE BENEFITS (46 COUNTY AREA)</u></b>		
Health and Welfare	\$10.10 (\$0.50 increase)	
Pension	\$9.96 (\$0.50 increase)	
Annuity	\$4.40	
*Vacation/Holiday/Supplemental Dues	\$3.25 (\$0.20 increase)	
Training and Retraining (including LECET)	\$0.50	
Contract Administration/Market Preservation Fund	\$0.10	
CEA & Laborers Contract Interpretation and Application Fund	\$0.02	
Building Industry Stabilization Fund	<u>\$0.23</u> (\$0.05 increase)	
 Total Fringe Benefits	 <b>\$28.56</b>	
Total Fringe Benefits excluding Vacation/ Hol./Suppl. Dues	 <b>\$25.31</b>	
	 <b>EFFECTIVE 6/26/23-6/30/24 PER HOUR</b>	 <b>EFFECTIVE 6/26/23-6/30/24 PER HOUR <u>(TOTAL TAXABLE)</u></b>
<u>GROUP 3 (cont'd.)</u>	<u>\$36.25</u>	<u>\$39.50</u>
Pavement Markers (Button Setters)		
Maintenance Repair Trackmen and Road Beds		
Escort Driver		
Skip Loader (up to and including 1/2 cubic yard)		
Solar Panel Cleaner		
Streetcar and Railroad Construction Track Laborers		
Temporary Air and Water Lines, Victaulic or similar		
Temporary Lights (job site work lighting only)		
Tool Room Attendant (job site only)		
 <u>GROUP 3(a)</u>	 <u>\$36.25</u>	 <u>\$39.50</u>
Composite Crew Person (Shall apply only to operation of vehicles, when operated in conjunction with Laborers' duties.)		

Labor Foreman

**Effective June 26, 2023, Labor Foreman shall receive ten percent (10%) above the highest paid classification in this Agreement working under his/her direction.**

General Foreman

Whether an employee shall be designated General Foreman, the person who shall be so designated and the specific assignment for such person shall be within the sole and exclusive judgment of the Individual Employer and such determination to appoint a General Foreman, or not to do so, shall not be subject to the Grievance Procedure (Section 9) of the Agreement. General Foreman shall receive an hourly rate higher than the highest paid Laborer Foreman on the crew or shift.



## Arrow Rental & Supply 2023 Rental Rates

[orders@arrowtoolshop.com](mailto:orders@arrowtoolshop.com)  
650-400-9476

Category	Description	Calculation	Model	Daily	Weekly	Monthly
8'x20' CONTAINER	8 X 20 Storage Container,ea	Rental	Lease	\$20	\$60	\$210
8'x20' CONTAINER	8'x20' STORAGE/OFFICE	Rental		\$35	\$110	\$375
8'x20' CONTAINER	8'x40' Lease Container,ea	Rental	Lease	\$16	\$78	\$310
8'x20' CONTAINER	8x10 Storage Container,ea	Rental	Lease	\$13	\$63	\$250
BUILDERS LEVELS & INSTRUMENTS	Builders Level, Auto w/ tripod & Rod	Rental	AL28M-2	\$22	\$66	\$231
BUILDERS LEVELS & INSTRUMENTS	Laser Level, Handheld	Rental	PLS3	\$20	\$60	\$210
BUILDERS LEVELS & INSTRUMENTS	Laser Lever, Reciever & Tripod	Rental	LL300N	\$50	\$150	\$525
BUILDERS LEVELS & INSTRUMENTS	Laser Range Meter	Rental	PD 32	\$10	\$30	\$105
BUILDERS LEVELS & INSTRUMENTS	Line Laser	Rental	PMP 34	\$20	\$60	\$210
BUILDERS LEVELS & INSTRUMENTS	Line+Poin, Green Laser.	Rental	PLS6G	\$30	\$90	\$315
BUILDERS LEVELS & INSTRUMENTS	Self-Leveling Rotary Laser,ea	Rental	GRL 500H	\$32	\$160	\$640
BUILDERS LEVELS & INSTRUMENTS	Target, Laser	Rental	Lightning	\$14	\$42	\$147
BUILDERS LEVELS & INSTRUMENTS	Theodolite	Rental	NE-100	\$80	\$240	\$840
CONCRETE EQUIPMENT	Cut Off Saw, 12" Electric	Rental	DCH EA 300	\$40	\$120	\$420
CONCRETE EQUIPMENT	Floor Grinder, Dual-Disc	Rental	2EC-1.5B	\$100	\$300	\$1,050
CONCRETE EQUIPMENT	Grinder, Diamond	Rental	DG 150	\$150	\$450	\$1,575
CONCRETE EQUIPMENT	Pneumatic Epoxy Gun	Rental	P3500F	\$30	\$90	\$315
CONCRETE EQUIPMENT	Rebar Scanner	Rental	PS 200 S	\$200	\$600	\$2,100
CONCRETE EQUIPMENT	Rebar/Wall Scanner,ea	Rental	D-TECH 150	\$75	\$150	\$600
CONCRETE EQUIPMENT	Vibrating Plate	Rental	MVC 88GHW	\$80	\$240	\$840
CONTRACTOR LIFTS	Contractor Lift	Rental	2100	\$50	\$150	\$525
CONSTRUCTION TECHNOLOGY	Daily use fee for Drone	Charge	Mavic DJI Pro 2	\$50		
CONSTRUCTION TECHNOLOGY	Daily use fee for Laser Scanner	Charge	Laser Scanner	\$500		
CONSTRUCTION TECHNOLOGY	Daily use fee for Matterport Camera	Charge	Matterport	\$100		
CONSTRUCTION TECHNOLOGY	Daily use fee for Total Station	Charge	Total Station	\$225		
DATA VAULT	Data Vault	Rental	118-01	\$70	\$209	\$730
DEBRIS CARTS & CHUTES	1 CY Debris Cart	Rental		\$24	\$72	\$252
DEBRIS CARTS & CHUTES	1/2 CY Debris Cart	Rental		\$12	\$36	\$126
DEBRIS CARTS & CHUTES	Debris Hopper, 4 Yd	Rental	xxx	\$30	\$120	\$360
DELIVERY	ARROW Driver,ea	Charge		\$92		
DELIVERY	Conex Delivery Fee,ea	Charge		\$325		
DELIVERY	Pick Up Conex Fee,ea	Charge		\$325		
DELIVERY	Shop Delivery /Pick Up Equipment	Charge		\$325		
DELIVERY	Shop Delivery Charge	Charge		\$75		
DELIVERY	Out of Area Delivery	Charge		\$150		
DOLLIES, CARTS & BOXES	DFH Utility Cart	Rental		\$14	\$42	\$147
DOLLIES, CARTS & BOXES	Door Dolly	Rental		\$6	\$18	\$63
DOLLIES, CARTS & BOXES	Door Transport Cart	Rental		\$10	\$30	\$105
DOLLIES, CARTS & BOXES	Drywall Cart	Rental		\$12	\$36	\$126
DOLLIES, CARTS & BOXES	Furniture Dolly	Rental		\$6	\$18	\$63
DOLLIES, CARTS & BOXES	Gangbox, Field Office	Rental	119	\$28	\$83	\$288
DOLLIES, CARTS & BOXES	Hand Truck	Rental		\$6	\$18	\$63
DOLLIES, CARTS & BOXES	Hospital Cart	Rental	Hospital Cart	\$30	\$90	\$315
DOLLIES, CARTS & BOXES	Knaack Large Gang Box	Rental	89	\$20	\$60	\$210
DOLLIES, CARTS & BOXES	Knaack Small Gang Box	Rental		\$14	\$42	\$147
DOLLIES, CARTS & BOXES	Pallet Jack	Rental		\$24	\$72	\$252
DOLLIES, CARTS & BOXES	Utility Cart	Rental		\$5	\$15	\$60
DOLLIES, CARTS & BOXES	Wheelbarrow	Rental		\$6	\$18	\$63
DRILLS, ROTOHAMMERS & SHOTGUNS	1/2" Drill, 20v cordless	Rental	DCD980L2	\$6	\$10	\$35
DRILLS, ROTOHAMMERS & SHOTGUNS	2pc Combo Kit, Drill - Impact,	Rental	XT267T	\$8	\$40	\$160
DRILLS, ROTOHAMMERS & SHOTGUNS	20v SDS Plus Rotohammer	Rental	DCH273P2	\$24	\$72	\$252
DRILLS, ROTOHAMMERS & SHOTGUNS	Carpenter Kit Set,ea	Rental	CARPENTER KIT	\$17	\$82	\$325
DRILLS, ROTOHAMMERS & SHOTGUNS	Cordless Drill Driver,ea	Rental	SF 10W-A22	\$5	\$25	\$100
DRILLS, ROTOHAMMERS & SHOTGUNS	Core Drill w/ vacuum	Rental	DDEC-1	\$50	\$200	\$800
DRILLS, ROTOHAMMERS & SHOTGUNS	Demolition Hammer, 60# w/ cart	Rental		\$50	\$150	\$525
DRILLS, ROTOHAMMERS & SHOTGUNS	Drill, Pistol Grip 1/2"	Rental	DW235G	\$5	\$10	\$40
DRILLS, ROTOHAMMERS & SHOTGUNS	GX 120 Gas-Actuated Pin Driver	Rental	GX 120	\$50	\$150	\$525
DRILLS, ROTOHAMMERS & SHOTGUNS	Hammer Drill 7/8"	Rental	11224VSR	\$20	\$60	\$210
DRILLS, ROTOHAMMERS & SHOTGUNS	Impact Driver, 20v cordless	Rental	DCF887	\$12	\$36	\$126
DRILLS, ROTOHAMMERS & SHOTGUNS	Impact Wrench 1/2 Brushless 3 Speed 20V	Rental	DCF899P2	\$16	\$48	\$168
DRILLS, ROTOHAMMERS & SHOTGUNS	Powder Actuated Extension Pole	Rental		\$6	\$18	\$63
DRILLS, ROTOHAMMERS & SHOTGUNS	Powder Actuated Gun	Rental	DX2	\$8	\$40	\$120
DRILLS, ROTOHAMMERS & SHOTGUNS	Roto Hammer, 1 3/4 SDSMAX	Rental	D25602K	\$40	\$120	\$420
DRILLS, ROTOHAMMERS & SHOTGUNS	Roto Hammer, 1" SDS Plus	Rental	TE 7	\$30	\$90	\$315
DRILLS, ROTOHAMMERS & SHOTGUNS	Rotohammer, 1-3/4" SDSMAX	Rental	D25604K	\$40	\$120	\$420
DRILLS, ROTOHAMMERS & SHOTGUNS	Rotohammer, 1-7/8" SDS	Rental	D25712k	\$50	\$150	\$525
DRILLS, ROTOHAMMERS & SHOTGUNS	Screwgun	Rental	DW268	\$8	\$23	\$78
DRILLS, ROTOHAMMERS & SHOTGUNS	SDS Max Combihammer ATC	Rental	TE 80 ATC	\$80	\$240	\$840
DRILLS, ROTOHAMMERS & SHOTGUNS	SDS Max Demo Hammer	Rental	D25901K	\$50	\$150	\$525
DRILLS, ROTOHAMMERS & SHOTGUNS	Spade 1/2" Handle Drill	Rental	DW130V	\$10	\$50	\$200
FANS & HEATERS	30" Pedastal Air Circulator	Rental		\$20	\$60	\$210
FANS & HEATERS	36" Portable Fan	Rental		\$30	\$90	\$315
FENCING/ TOILETS	Station Sink, 2nd Service	Rental	SERVICE	\$178	\$178	\$178

Category	Description	Calculation	Model	Daily	Weekly	Monthly
FENCING/ TOILETS	2 Station Sink	Rental		\$12	\$59	\$236
FENCING/ TOILETS	Containment Trays	Rental		\$1	\$3	\$14
FENCING/ TOILETS	Standard Restroom, 3rd Service, ea	Rental	3rd Service	\$8	\$38	\$154
FENCING/ TOILETS	Standard Restroom	Rental		\$10	\$49	\$195
FENCING/ TOILETS	Toilet Holding Tank, 250 gal	Rental	Tank	\$14	\$72	\$294
FENCING/ TOILETS	Standard Restroom , 2nd Service	Rental	SERVICE	\$153	\$153	\$153
FORKLIFTS/LIFTS	Forklift, 5000lb Warehouse	Rental	8FGU25	\$125	\$400	\$1,300
FORKLIFTS/LIFTS	Gradall 5500LB Reach 16-20FT,ea	Rental	Lease	\$130	\$650	\$2,600
FORKLIFTS/LIFTS	Gradall 6000#,ea	Rental	Lease	\$158	\$788	\$3,150
FORKLIFTS/LIFTS	GradAll High Reach Lift 10,000#	Rental	544D	\$400	\$1,200	\$4,350
FORKLIFTS/LIFTS	Hyster Forklift 5000#	Rental	H50XM	\$125	\$400	\$1,300
FORKLIFTS/LIFTS	JLG Highreach, Telehandler lift,10,000 lb	Rental	G10-55A	\$400	\$1,200	\$4,350
FORKLIFTS/LIFTS	Scissor Lift 12',ea	Rental	Lease	\$26	\$131	\$525
FORKLIFTS/LIFTS	Scissor Lift 19FT	Rental	Lease	\$36	\$181	\$725
FORKLIFTS/LIFTS	Scissor Lift 26FT	Rental	Lease	\$66	\$331	\$1,325
FORKLIFTS/LIFTS	Tower 8' Forklift Extension,ea	Rental	Lease	\$65	\$325	\$1,300
FORKLIFTS/LIFTS	Toyota Forklift 36,000LB,ea	Rental	Lease	\$345	\$1,725	\$6,900
FORKLIFTS/LIFTS	Warehouse Forklift 5K	Rental	Lease	\$300	\$650	\$1,300
INFECTIOUS CONTROL	500 CFM Hepa Air Scrubber,ea	Rental	Guardian Pro	\$21	\$105	\$420
INFECTIOUS CONTROL	Dehumidifier	Rental	1200	\$30	\$90	\$315
INFECTIOUS CONTROL	Hepa 500 Air Scrubber	Rental		\$30	\$90	\$315
INFECTIOUS CONTROL	Hepa Cart	Rental		\$40	\$200	\$800
INFECTIOUS CONTROL	Negative Air Machine, 600cfm	Rental	Omniaire 600v	\$40	\$120	\$420
INFECTIOUS CONTROL	Negative Air Machine, 2000cfm	Rental	2200c	\$40	\$120	\$420
JOB OFFICE TRAILERS	7'x16' Office/Storage Trailer	Rental	Hallmark	\$25	\$125	\$500
JOB OFFICE TRAILERS	10'x32' Office Trailer	Rental	10x32'	\$30	\$150	\$600
JOB OFFICE TRAILERS	12 x 40 Lease Trailer W Ramp, Ready to Work	Rental	Lease	\$145	\$724	\$2,895
JOB OFFICE TRAILERS	12'x32' Office Trailer, Ready to Work	Rental	12x32'	\$35	\$175	\$1,200
JOB OFFICE TRAILERS	12'x40' Office Trailer, Ready to Work	Rental	12x40'	\$45	\$225	\$1,800
JOB OFFICE TRAILERS	12'x60' Office Trailer - Ready to Work	Rental	12x60	\$300	\$1,300	\$2,600
JOB OFFICE TRAILERS	24x60 Double Wide Trailer - Ready to Work	Rental	24 x 60	\$190	\$950	\$3,800
JOB OFFICE TRAILERS	40' Semi Storage Trailer	Rental	FA-70	\$80	\$240	\$825
JOB OFFICE TRAILERS	ADA Ramp	Rental	ADA Ramp	\$48	\$200	\$680
JOB OFFICE TRAILERS	Equipment Trailer	Rental		\$50	\$150	\$525
JOB SITE TRANSPORTATION	Cart UTV 2 Passenger DSL	Rental	Ranger Diesel	\$80	\$240	\$840
JOB SITE TRANSPORTATION	Golf Cart	Rental		\$60	\$180	\$630
JOBSITE RADIOS	Channel 2way Radio W/Microphone	Rental	TK-3360	\$8	\$23	\$79
JOBSITE SIGNAGE	2'x3' Safety Sign	Rental		\$4	\$12	\$42
JOBSITE SIGNAGE	3'x4' No Parking Sign	Rental		\$14	\$42	\$147
JOBSITE SIGNAGE	Jobsite Entrance Sign	Rental		\$14	\$42	\$147
JOBSITE SIGNAGE	Traffic Road Sign	Rental		\$14	\$42	\$147
LADDERS	Ladder Rail Extention System	Rental		\$3	\$15	\$60
LADDERS	Ladder, 4' Fiberglass Step Ladder	Rental		\$6	\$18	\$63
LADDERS	Ladder, 6' Fiberglass Step Ladder	Rental		\$8	\$24	\$84
LADDERS	Ladder, 8' Fiberglass Step Ladder	Rental		\$10	\$30	\$105
LADDERS	Ladder, 10' Fiberglass Step Ladder	Rental		\$12	\$36	\$126
LADDERS	Ladder, 12' Fiberglass Step Ladder	Rental		\$14	\$42	\$147
LADDERS	Ladder, 14' Fiberglass Step Ladder	Rental		\$14	\$42	\$147
LADDERS	Ladder, 16' Extention Ladder	Rental		\$14	\$42	\$147
LADDERS	Ladder, 24' Extension Ladder	Rental		\$14	\$42	\$147
LADDERS	Ladder, 32' Extension Ladder	Rental		\$20	\$60	\$210
LADDERS	Ladder, 40' Extension Ladder	Rental		\$20	\$60	\$210
MISC. TOOLS	Biscuit Cutter	Rental	DW682	\$8	\$24	\$84
MISC. TOOLS	Blower, Backpack	Rental	PB-755	\$20	\$60	\$210
MISC. TOOLS	Cordless Blower,ea	Rental		\$4	\$20	\$80
MISC. TOOLS	Cordless Inspection Camera	Rental		\$8	\$24	\$84
MISC. TOOLS	Electric Shears	Rental	6852-20	\$10	\$30	\$105
MISC. TOOLS	Epoxy Gun	Rental		\$10	\$30	\$105
MISC. TOOLS	Floor Scale, 48x48 5000lb	Rental		\$30	\$90	\$315
MISC. TOOLS	Floor Scraper, Electric	Rental		\$50	\$125	\$525
MISC. TOOLS	Heat Gun	Rental		\$8	\$24	\$84
MISC. TOOLS	Heat Gun	Rental	1942	\$8	\$24	\$84
MISC. TOOLS	Inspection Scope	Rental		\$20	\$60	\$210
MISC. TOOLS	Magnetic Sweeper	Rental		\$6	\$18	\$63
MISC. TOOLS	Paint Sprayer Machine ,ea	Rental	Magnum X7	\$6	\$31	\$125
MISC. TOOLS	Post Driver	Rental		\$2	\$6	\$21
MISC. TOOLS	Steel Banding Machine & Tools	Rental		\$20	\$60	\$210
MISC. TOOLS	Suction Cups (pair)	Rental		\$6	\$18	\$63
MISC. TOOLS	Torque Wrench 1/2"	Rental		\$10	\$30	\$105
MISC. TOOLS	Torque Wrench, 3/8"	Rental		\$8	\$24	\$84
MISC. TOOLS	Zipwall/3rd Hand Brace 12'	Rental		\$4	\$12	\$42
MISC. TOOLS	Zipwall/3rd Hand Brace 20'	Rental		\$6	\$18	\$63
OFFICE TRAILER EQUIPMENT	46" LCD TV	Rental	UN46H2620	\$10	\$30	\$105
OFFICE TRAILER EQUIPMENT	52" LCD TV	Rental	LC-52LE	\$12	\$36	\$126
OFFICE TRAILER EQUIPMENT	55" LCD TV	Rental	M550SL	\$12	\$36	\$126
OFFICE TRAILER EQUIPMENT	60" LED Smart TV	Rental	UN60J6300	\$14	\$42	\$147
OFFICE TRAILER EQUIPMENT	65" Digital FlipBoard TV,ea	Rental	WM65R	\$18	\$54	\$189
OFFICE TRAILER EQUIPMENT	65" Ultra HD LED TV	Rental	UN65KU6300	\$18	\$54	\$189
OFFICE TRAILER EQUIPMENT	70" LCD TV	Rental	E70-C3	\$18	\$54	\$189
OFFICE TRAILER EQUIPMENT	75" Smart TV	Rental	UN75J6300AF	\$24	\$72	\$252
OFFICE TRAILER EQUIPMENT	75" UHD TV	Rental	UN75JU650DF	\$24	\$72	\$252
OFFICE TRAILER EQUIPMENT	Access Point	Rental	MR32	\$16	\$48	\$168

Category	Description	Calculation	Model	Daily	Weekly	Monthly
OFFICE TRAILER EQUIPMENT	Conference Cam	Rental	BCC950	\$4	\$12	\$42
OFFICE TRAILER EQUIPMENT	Conference Station	Rental	7937	\$2	\$6	\$21
OFFICE TRAILER EQUIPMENT	Cradlepoint	Rental	AER1600	\$10	\$30	\$105
OFFICE TRAILER EQUIPMENT	DATA VAULT MOBILE	Rental	118-M	\$40	\$120	\$420
OFFICE TRAILER EQUIPMENT	Digital Camera	Rental		\$4	\$12	\$42
OFFICE TRAILER EQUIPMENT	Double Wide Trailer IT Box, Set Up	Rental	IT BOX	\$15	\$75	\$275
OFFICE TRAILER EQUIPMENT	Firewall	Rental	MX65	\$14	\$42	\$147
OFFICE TRAILER EQUIPMENT	Folding Chairs	Rental		\$1	\$4	\$10
OFFICE TRAILER EQUIPMENT	Folding Table	Rental		\$2	\$6	\$21
OFFICE TRAILER EQUIPMENT	Ink Jet Printer	Rental	MCF-J6920DW	\$16	\$48	\$168
OFFICE TRAILER EQUIPMENT	Inkjet All-in-One Printer	Rental	MFC-J6910DW	\$16	\$48	\$168
OFFICE TRAILER EQUIPMENT	IPAD - Basic	Rental		\$20	\$60	\$210
OFFICE TRAILER EQUIPMENT	IPAD - WiFi/Data	Rental		\$20	\$60	\$210
OFFICE TRAILER EQUIPMENT	Ipad Pro - 11"	Rental	A1980	\$30	\$90	\$315
OFFICE TRAILER EQUIPMENT	IPAD PRO - 12.9"	Rental	A1876	\$30	\$90	\$315
OFFICE TRAILER EQUIPMENT	IT Job Box	Rental		\$4	\$12	\$42
OFFICE TRAILER EQUIPMENT	Laser Jet Pro Printer,ea	Rental	454DN	\$8	\$40	\$160
OFFICE TRAILER EQUIPMENT	NAS Device	Rental	RN42200	\$5	\$20	\$65
OFFICE TRAILER EQUIPMENT	Projector	Rental	EX3200	\$4	\$20	\$80
OFFICE TRAILER EQUIPMENT	Safety Laptop	Rental		\$10	\$50	\$200
OFFICE TRAILER EQUIPMENT	Standart Trailer IT Box, Set Up	Rental	IT BOX	\$10	\$50	\$150
OFFICE TRAILER EQUIPMENT	Switch, 8 Port	Rental	TS-8-PRO	\$1	\$5	\$20
OFFICE TRAILER EQUIPMENT	Switch, 24 port, VOIP	Rental	CATALYST 3524	\$3	\$15	\$60
OFFICE TRAILER EQUIPMENT	Triple Wide Trailer IT Box,Set Up	Rental	IT BOX	\$30	\$120	\$405
OFFICE TRAILER EQUIPMENT	UPS Battery Backup	Rental		\$2	\$20	\$40
OFFICE TRAILER EQUIPMENT	Video Conf. Camera	Rental	SX10	\$10	\$50	\$200
OFFICE TRAILER EQUIPMENT	Video Conference Box	Rental	Chromebox	\$23	\$115	\$460
OFFICE TRAILER EQUIPMENT	Webex,Conference Tablet,	Rental	Touch-10	\$10	\$50	\$200
OFFICE TRAILER EQUIPMENT	Wireless Access Point	Rental	Airport Extreme	\$2	\$10	\$40
OFFICE TRAILER EQUIPMENT	XL Magnetic Dry Erase WhiteBoards,1set	Rental	Custom Signage	\$25	\$125	\$350
PERIMETER SAFETY/PROTECTION	3 Channel Heavy Duty Cable Protector	Rental		\$4	\$20	\$80
PERIMETER SAFETY/PROTECTION	Barricades	Rental		\$1	\$3	\$10
PERIMETER SAFETY/PROTECTION	Barriers, Water Filled	Rental		\$3	\$13	\$50
PERIMETER SAFETY/PROTECTION	Barriers, Water Filled W/Fence Combo,ea	Rental		\$4	\$16	\$62
PERIMETER SAFETY/PROTECTION	Barricade With Flasher	Rental		\$2	\$10	\$30
PERIMETER SAFETY/PROTECTION	Cable Protector, 4 Channel	Rental		\$2	\$10	\$40
PERIMETER SAFETY/PROTECTION	Cones	Rental		\$1	\$3	\$10
PERIMETER SAFETY/PROTECTION	Orange Deliniators	Rental		\$1	\$3	\$10
PERIMETER SAFETY/PROTECTION	Speed Bump 6'	Rental		\$3	\$15	\$60
PNEUMATIC EQUIPMENT	Air Compressor 4.5 Gallon, Cart	Rental	D55146	\$18	\$90	\$360
PNEUMATIC EQUIPMENT	Air Compressor 12.5 CFM	Rental	6820K17	\$20	\$100	\$400
PNEUMATIC EQUIPMENT	Air Compressor, Twin Tank, 4 CFM	Rental	AM78-HC4v	\$15	\$75	\$300
PNEUMATIC EQUIPMENT	Brad Nailer, 5/8"-2-1/8"	Rental	18 GA	\$6	\$30	\$120
PNEUMATIC EQUIPMENT	Brad Nailer, 18GA	Rental	NT50AE2	\$5	\$25	\$100
PNEUMATIC EQUIPMENT	Coil Air Nail Gun	Rental	NV 65AH	\$10	\$50	\$200
PNEUMATIC EQUIPMENT	Cordless Framing Nailer Gun 18V,ea	Rental	M18-Fuel	\$15	\$75	\$300
PNEUMATIC EQUIPMENT	Finish Nailer, 2-1/2", 15ga	Rental	NT 65M2	\$10	\$50	\$200
PNEUMATIC EQUIPMENT	Finish Nailer	Rental	42XP	\$10	\$50	\$200
PNEUMATIC EQUIPMENT	Finish Nailer, N60	Rental	N60FN	\$10	\$50	\$200
PNEUMATIC EQUIPMENT	Finish Staple Gun, 1/2" - 1"	Rental	NS100	\$10	\$50	\$200
PNEUMATIC EQUIPMENT	Micro Pinner, 23ga	Rental	FinishPro 10	\$5	\$25	\$100
PNEUMATIC EQUIPMENT	Nail Gun, 2-1/2" Framing	Rental	NR 65AK2	\$15	\$75	\$300
PNEUMATIC EQUIPMENT	Nail Gun, 3 1/2" Framing	Rental		\$15	\$75	\$300
PNEUMATIC EQUIPMENT	Nail Gun, Joist Hanger	Rental	HN250	\$8	\$40	\$160
PNEUMATIC EQUIPMENT	Nail Gun, Paslode Type	Rental	NR 65AK PP	\$15	\$75	\$300
PNEUMATIC EQUIPMENT	Palm Nailer	Rental		\$5	\$25	\$100
PNEUMATIC EQUIPMENT	Positive Placement	Rental	PP Nailer	\$15	\$75	\$300
PNEUMATIC EQUIPMENT	Trim Stapler	Rental	SX150	\$8	\$40	\$160
PUMPS & SPRAY WASHERS	Discharge Hose, 50'	Rental		\$3	\$15	\$60
PUMPS & SPRAY WASHERS	Electric ,Pressure washer,	Rental	SPX3500	\$32	\$160	\$640
PUMPS & SPRAY WASHERS	Fire Hose, 2-1/2"x50'	Rental		\$5	\$25	\$100
PUMPS & SPRAY WASHERS	HQ 2" Submersible Pump	Rental	ST-2038P	\$12	\$60	\$240
PUMPS & SPRAY WASHERS	Pressure Washer, 3000psi	Rental	Job Pro	\$32	\$160	\$640
PUMPS & SPRAY WASHERS	Sump Pump, 1hp w/ float	Rental		\$6	\$30	\$120
PUMPS & SPRAY WASHERS	Sump Pump, 3/4"	Rental		\$2	\$10	\$40
PUMPS & SPRAY WASHERS	Trash Pump, 3"	Rental		\$29	\$145	\$580
ROUTERS	2.2hp Router	Rental	1617EVS	\$15	\$75	\$300
ROUTERS	Router, D-Handle	Rental	6912	\$6	\$30	\$120
ROUTERS	Router,Laminate Trimmer	Rental		\$6	\$30	\$120
SAFETY EQUIPMENT	7' Aluminum Tripod 3way SRL	Rental	8301032	\$17	\$82	\$325
SAFETY EQUIPMENT	10' Guard Rail System	Rental		\$5	\$25	\$100
SAFETY EQUIPMENT	10' Leading Edge, SRL'S	Rental		\$6	\$30	\$120
SAFETY EQUIPMENT	11FT, Mini Retractable	Rental	10900	\$5	\$25	\$100
SAFETY EQUIPMENT	20FT Leading Edge , SRL'S	Rental		\$8	\$40	\$160
SAFETY EQUIPMENT	20FT, Retractable Life Line	Rental	10910	\$8	\$40	\$160
SAFETY EQUIPMENT	30FT Retractable Life line	Rental	10915	\$12	\$60	\$240
SAFETY EQUIPMENT	50FT Retractable 3-Way	Rental	10974	\$25	\$125	\$500
SAFETY EQUIPMENT	50FT Retractable Safety Line	Rental	50FT	\$20	\$100	\$400
SAFETY EQUIPMENT	50FT Retractable Safety line	Rental	MP50G	\$20	\$100	\$400
SAFETY EQUIPMENT	50FT Retracting Ultra Lok life line	Rental	3504480	\$25	\$125	\$500
SAFETY EQUIPMENT	Aluminum Foot Guard	Rental		\$1	\$5	\$20
SAFETY EQUIPMENT	Beam Clamp	Rental	Beam Clamp	\$5	\$25	\$100

Category	Description	Calculation	Model	Daily	Weekly	Monthly
SAFETY EQUIPMENT	Cross Arm Strap, 4'	Rental		\$1	\$5	\$20
SAFETY EQUIPMENT	Cross Arm Strap, 6'	Rental		\$1	\$5	\$20
SAFETY EQUIPMENT	Cross Arm Strap, 10'	Rental		\$1	\$5	\$20
SAFETY EQUIPMENT	EDGE GUARD WALL SYSTEM	Rental		\$15	\$75	\$300
SAFETY EQUIPMENT	Electric Wench .6HP 115V	Rental	EW10	\$20	\$100	\$400
SAFETY EQUIPMENT	Emergency Sprinkler Spill Kit	Rental		\$4	\$20	\$80
SAFETY EQUIPMENT	Fall Protection Kit	Rental	BRFK/50	\$10	\$50	\$200
SAFETY EQUIPMENT	Full Body Harness	Rental	Miller	\$4	\$20	\$80
SAFETY EQUIPMENT	Full Body Harness, HD	Rental	650T-58/xxlgk	\$6	\$30	\$120
SAFETY EQUIPMENT	Full Body Harness, SM	Rental	21041	\$4	\$20	\$80
SAFETY EQUIPMENT	High Volume Air Sampler Pump	Rental		\$20	\$100	\$400
SAFETY EQUIPMENT	Horizontal Lifeline System	Rental		\$25	\$125	\$500
SAFETY EQUIPMENT	Lanyard 6', 100% Tie Off	Rental	8798RSS-Z7	\$10	\$50	\$200
SAFETY EQUIPMENT	Lanyard 18"	Rental	1205	\$1	\$5	\$20
SAFETY EQUIPMENT	Lanyard, 3',6'	Rental		\$2	\$10	\$40
SAFETY EQUIPMENT	Lanyard, 6' w/rebar hook	Rental		\$2	\$10	\$40
SAFETY EQUIPMENT	Lanyard, HD	Rental	216TWLS/6FT	\$3	\$15	\$60
SAFETY EQUIPMENT	Leading Edge SRL's, 30'	Rental		\$12	\$60	\$240
SAFETY EQUIPMENT	Mini Retractable	Rental	PFL-5 (Scorpion)	\$5	\$25	\$100
SAFETY EQUIPMENT	Parapit Clamp,	Rental		\$2	\$10	\$40
SAFETY EQUIPMENT	Retractable Safety Line	Rental	L3400	\$20	\$100	\$400
SAFETY EQUIPMENT	Safety Harness w/ Belt	Rental		\$4	\$20	\$80
SAFETY EQUIPMENT	Slab Grabber	Rental		\$2	\$10	\$40
SAFETY EQUIPMENT	Spill Kit	Rental		\$5	\$25	\$100
SAFETY EQUIPMENT	Stretcher	Rental	JSA 300	\$10	\$50	\$200
SAFETY EQUIPMENT	Wire Hook Anchorage Connector	Rental	470	\$2	\$10	\$40
SAFETY EQUIPMENT	ZOLL FULLY AUTOMATIC	Rental		\$3	\$15	\$60
SANDERS & GRINDERS	5" Orbital Sander	Rental	3725DEVS	\$5	\$25	\$100
SANDERS & GRINDERS	20v Cordless Grinder,ea	Rental	DCG413	\$6	\$30	\$120
SANDERS & GRINDERS	Belt Sander, 3"	Rental	360	\$6	\$30	\$120
SANDERS & GRINDERS	Die Grinder, 1/4"	Rental	GD0601	\$2	\$10	\$40
SANDERS & GRINDERS	Grinder, 4.5"	Rental	DWE402	\$4	\$20	\$80
SANDERS & GRINDERS	Grinder, 7"	Rental	1752	\$6	\$30	\$120
SANDERS & GRINDERS	Sander, 5" Orbital	Rental	D26453	\$3	\$15	\$60
SANDERS & GRINDERS	Sander, 5" Orbital	Rental	DWE6423K	\$3	\$15	\$60
SANDERS & GRINDERS	Sander, Orbit	Rental	DW421	\$4	\$20	\$80
SAWS	7-1/4 Skillsaw,ea	Rental	5377MG	\$5	\$25	\$100
SAWS	10" Portable Table Saw	Rental	2704	\$17	\$85	\$340
SAWS	10" Table Saw	Rental	10" Workmate	\$17	\$85	\$340
SAWS	12" Sliding Compound w/ Laser	Rental	4410L	\$20	\$100	\$400
SAWS	12" Sliding Miter Saw	Rental	DW708	\$10	\$50	\$200
SAWS	16" Chain Saw, Electric	Rental	UC4051A	\$12	\$60	\$240
SAWS	16" Worm Drive Chainsaw,ea	Rental	SPT55-11	\$17	\$85	\$340
SAWS	18v Cordless Sawzall,ea	Rental	XRJ04	\$8	\$40	\$160
SAWS	Bandsaw, Cordless 18v	Rental	BPB180	\$15	\$75	\$300
SAWS	Bandsaw, Cordless 20v	Rental		\$15	\$75	\$300
SAWS	Beam Saw, 16"	Rental	5402A	\$14	\$70	\$280
SAWS	Block Saw, 2 HP	Rental	2002	\$28	\$140	\$560
SAWS	Chop Saw, 12" Metal Cutting	Rental	9312N	\$20	\$100	\$400
SAWS	Chopsaw, 14" Metal	Rental	DW860	\$10	\$50	\$200
SAWS	Circ. Saw, 10" Big Foot & 20amp Cor	Rental	HD77	\$8	\$40	\$160
SAWS	Circular Saw 6 -1/2" 20v cordless	Rental	DCS391	\$3	\$15	\$60
SAWS	Circular Saw 7 1/4" w/ accessories	Rental	WSC 267-E	\$7	\$35	\$140
SAWS	Circular Saw, 7 1/4"	Rental	DWS535	\$5	\$25	\$100
SAWS	Circular Saw, 7-1/4" Worm Drive	Rental	77	\$5	\$25	\$100
SAWS	Circular Saw, 8-1/4"	Rental		\$6	\$30	\$120
SAWS	Cordless Fein Tool,	Rental	XMT03	\$6	\$30	\$120
SAWS	Cordless Skillsaw 18V,	Rental	XSR01	\$8	\$40	\$160
SAWS	Electric Sheet Metal Nibbler	Rental	JN1601	\$60	\$120	\$200
SAWS	Fein Saw	Rental		\$6	\$30	\$120
SAWS	Gas Chainsaw	Rental		\$17	\$85	\$340
SAWS	Jig Saw	Rental	1587VSK	\$5	\$25	\$100
SAWS	Miter Saw, 10"	Rental		\$4	\$20	\$80
SAWS	Miter Saw, 12" Compound	Rental	DWS705	\$8	\$40	\$160
SAWS	PANEL SAW - KETT	Rental		\$5	\$25	\$100
SAWS	PortaBand	Rental	6230	\$8	\$40	\$160
SAWS	Sawzall, Cordless 20v Kit	Rental	DCS380	\$12	\$36	\$126
SAWS	Sheet Metal Shears, Electric	Rental		\$12	\$36	\$126
SAWS	Skillsaw Walk Behind ,ea	Rental	SPT 79-10	\$18	\$35	\$70
SAWS	SUP/Cordless Kit	Rental		\$20	\$60	\$210
SCAFFOLDS	5' Mini-Scaffold	Rental		\$14	\$42	\$147
SCAFFOLDS	Alum Scaffold Planks 1'x12'	Rental		\$16	\$48	\$168
SCAFFOLDS	Perry Scaffold	Rental	Perry Original	\$24	\$72	\$252
SCAFFOLDS	Rolling Scaffolding 6'	Rental		\$24	\$72	\$252
SECURITY CAMERA	Camera,Cellular 12MP	Rental	OXMP-C	\$50	\$150	\$525
SECURITY CAMERA	Cloud Access Through Sensera	Charge	Site Cloud Access			\$44
SECURITY CAMERA	Ecamm Secure Solar 8 Camera Unit with Monitoring Kit,ea	Rental		\$225	\$1,125	\$4,500
SECURITY CAMERA	Elite Security Camera Monitoring Service ,ea	Rental		\$105	\$525	\$2,100
SECURITY CAMERA	Elite Security Camera Monitoring Service â€” 1 Camera â€”,ea	Rental		\$70	\$350	\$1,400
SECURITY CAMERA	Sensera Camera, Kit.	Rental	MC88V	\$50	\$150	\$550
TEMP. POWER & LIGHTS	20KW Generator,ea	Rental	Lease	\$83	\$413	\$1,650
TEMP. POWER & LIGHTS	55KW Generator Multiquip,ea	Rental	Lease	\$120	\$600	\$2,400

Category	Description	Calculation	Model	Daily	Weekly	Monthly
TEMP. POWER & LIGHTS	Generator EU3000	Rental	EU3000	\$28	\$125	\$500
TEMP. POWER & LIGHTS	Generator, 1000 w	Rental		\$19	\$95	\$360
TEMP. POWER & LIGHTS	Generator, 2000w Inverter	Rental	EU2000i	\$40	\$120	\$420
TEMP. POWER & LIGHTS	Generator, EB6500	Rental		\$60	\$180	\$630
TEMP. POWER & LIGHTS	Led High Bay Light	Rental		\$16	\$48	\$168
TEMP. POWER & LIGHTS	LED Stand Lights Cart,	Rental		\$20	\$60	\$210
TEMP. POWER & LIGHTS	Light Cart, 1000w	Rental		\$20	\$60	\$210
TEMP. POWER & LIGHTS	Light Stand	Rental		\$8	\$24	\$84
TEMP. POWER & LIGHTS	Light Stand Cart	Rental	Cart Light	\$20	\$60	\$210
TEMP. POWER & LIGHTS	Light Stand, Wobble	Rental		\$8	\$24	\$84
TEMP. POWER & LIGHTS	Light Stringer	Rental		\$8	\$24	\$84
TEMP. POWER & LIGHTS	Lighting, Warehouse	Rental		\$3	\$15	\$60
TEMP. POWER & LIGHTS	Power Pole 25', With Concrete Base	Rental		\$9	\$44	\$175
TEMP. POWER & LIGHTS	Temp Power "Y" / Pigtail	Rental		\$4	\$12	\$42
TEMP. POWER & LIGHTS	Temp Power Booster Box,ea	Rental	6700	\$10	\$50	\$200
TEMP. POWER & LIGHTS	Temp Power Box,	Rental	X-Treme	\$6	\$30	\$120
TEMP. POWER & LIGHTS	Temp Power Skid 150 KVA	Rental	150 KVA	\$80	\$240	\$840
TEMP. POWER & LIGHTS	Temp Power Skid, 45 KVA	Rental	45 KVA	\$50	\$150	\$525
TEMP. POWER & LIGHTS	Temp Power Skid, 75 KVA	Rental	75 KVA	\$50	\$150	\$525
TEMP. POWER & LIGHTS	Temp Power Skid, 112 KVA	Rental	112.5 KVA	\$60	\$180	\$630
TEMP. POWER & LIGHTS	Temp Power Skid, 225 KVA	Rental	225 KVA	\$90	\$270	\$945
TEMP. POWER & LIGHTS	Temp, Power Cord 100' - 50 Amp	Rental		\$20	\$60	\$210
TEMP. POWER & LIGHTS	Temp. Power Box	Rental	6506-S	\$12	\$36	\$126
TEMP. POWER & LIGHTS	Temp. Power Cord 50' - 50 AMP	Rental		\$10	\$30	\$105
TEST & MEASUREMENT EQUIPMENT	Abatement Air Sampler	Rental	Gilian BDX 2	\$50	\$150	\$525
TEST & MEASUREMENT EQUIPMENT	Balance Hood	Rental		\$50	\$150	\$525
TEST & MEASUREMENT EQUIPMENT	Carbon Monoxide Monitor	Rental	CO-95	\$20	\$100	\$400
TEST & MEASUREMENT EQUIPMENT	Chart Recorder Temp/Humidity	Rental		\$40	\$120	\$420
TEST & MEASUREMENT EQUIPMENT	Combustible Gas Indicator	Rental	Gas Alert Max	\$20	\$100	\$400
TEST & MEASUREMENT EQUIPMENT	Digital Sound Level Meter	Rental	407736	\$40	\$120	\$420
TEST & MEASUREMENT EQUIPMENT	Gas Detector	Rental	Quattro	\$20	\$100	\$400
TEST & MEASUREMENT EQUIPMENT	Light Meter	Rental	LIGHT METER	\$20	\$60	\$210
TEST & MEASUREMENT EQUIPMENT	Manometer/Recorder,	Rental	Omniguard 5	\$40	\$120	\$420
TEST & MEASUREMENT EQUIPMENT	Moisture Meter	Rental		\$20	\$60	\$210
TEST & MEASUREMENT EQUIPMENT	Monometer w/ Recorder	Rental	Omniguard 4	\$20	\$60	\$210
TEST & MEASUREMENT EQUIPMENT	Personal Air Sampler Pump	Rental		\$20	\$100	\$400
TEST & MEASUREMENT EQUIPMENT	Sound Meter	Rental	407790	\$8	\$24	\$84
TEST & MEASUREMENT EQUIPMENT	Thermometer (Gun)	Rental		\$20	\$60	\$210
TRUCKS	F150 Pick up Truck	Rental	F150	\$100	\$300	\$1,050
TRUCKS	F250 Pick-up Truck	Rental	F-250	\$120	\$300	\$1,260
TRUCKS	F-450 Flatbed 12'	Rental	F-450	\$150	\$450	\$1,575
VACUUMS	55gal Shop Vac,ea	Rental	Shop Vac	\$30	\$90	\$315
VACUUMS	Abatement Vac	Rental	102	\$50	\$150	\$525
VACUUMS	Alto VAC, 8gal	Rental	Alto Attix	\$30	\$90	\$315
VACUUMS	Back Pack Hepa Vac	Rental	FS-6 1074600	\$30	\$90	\$315
VACUUMS	Dewalt 10 gal Hepa	Rental	DWV012	\$30	\$90	\$315
VACUUMS	Dry Vac-VC 40	Rental	VC-40-U	\$40	\$120	\$420
VACUUMS	Euroclean Hepa Vacuum	Rental	GD 930	\$30	\$90	\$315
VACUUMS	HEPA, 10 Gallon	Rental	45	\$30	\$90	\$315
VACUUMS	Nilfisk 12gal Hepa Vac	Rental	GWD360	\$50	\$150	\$525
VACUUMS	Nilfisk, 8gal Hepa Vac	Rental	Aero 21	\$38	\$115	\$400
VACUUMS	ShopVac 10gal	Rental	610B	\$24	\$72	\$252
VACUUMS	Tennant Battery Sweeper 28"	Rental	S8	\$70	\$210	\$735
VACUUMS	Upright Vacuum, Bagless	Rental	SCS845	\$14	\$42	\$147
VACUUMS	Vacuum Cleaner, Dry	Rental	VCD 50	\$40	\$120	\$420
VACUUMS	Wet/Dry 12gal Vacuum,	Rental	VC4710	\$20	\$100	\$400
WELDING EQUIPMENT	120v Electric Welder	Rental	FP135	\$60	\$180	\$630
WELDING EQUIPMENT	240v Electric Welder	Rental	SP-130T	\$60	\$180	\$630
WELDING EQUIPMENT	Oxy-Acetylene Torch Kit	Rental		\$40	\$120	\$420

These rates may be used for change orders. Any delivery charges for change orders are to be reviewed and approved in advance.



Revised February 7, 2024

Ms. Jasmine Gao  
Sr. Project Manager  
County of San Mateo

Re: County of San Mateo – South San Francisco Wellness Center  
**Letter of Recommendation – General Requirements**

Jasmine:

Below for your review is XL Construction’s Letter of Recommendation for the **General Requirements**.

The **General Requirements** are based upon the Project schedule with a 11/28/2023 data date. The basis of the **General Requirements** has been captured in the Basis of GMP for further clarification.

The following values shall be lump sum:

- General Requirements GR-1 \$572,183
- General Requirements GR-2 \$2,992,313
- Security Allowance \$75,000

**Please confirm the above by returning this recommendation letter with your signature below.** The above values will be reflected in the GMP.

**Approved by:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Sincerely,  
XL Construction Corp.  
Jeff Herbage  
Senior Project Manager

CC: Chad Hamilton (XL), David Barron (XL), Dan Nielsen (Colbalt)

Attachments:  
General Requirements 2023.12.21

# GENERAL REQUIREMENTS DETAIL

GR1

GR2

**Project:** CoSM SSF Wellness Center  
**Location:** 1024 Mission, South San Francisco  
**Date:** 01/03/24

**weeks :** 109.43  
**months :** 25.27  
**Footprint:** 27,000  
**area :** 77,614

**Total General Requirements**  
**Security Allowance**

General Requirements 1: \$572,183  
 General Requirements 2: \$2,992,313  
 Security Allowance: \$75,000

GC,GR,  
CoW

**TRAVEL AND LODGING (Div 6: mass timber factory visits)**

01-1292 Travel	3	ls			\$4,500		\$4,500.00
01-1293 Lodging	3	ls			\$2,250		\$2,250.00
01-1295 Meals / Expenses	3	ls			\$3,750		\$3,750.00
<b>CoW</b>	<b>TOTAL COST: TRAVEL AND LODGING (Div 6: mass timber factory visits)</b>					<b>\$0</b>	<b>\$10,500.00</b>

**JOBSITE TRAILERS**

	#	Months	Total Months					
01-1200 Jobsite Trailer w/ office furniture - single wide 12x60	2.0	25.3	50.5	month		\$2,850	\$144,051	
01-1200 Jobsite Trailer Modifications (maintenace)			1.0	ea		\$12,000	\$12,000	
01-1200 Jobsite trailer furniture purchase			1.0	ls		\$7,500	\$7,500	
Temp Power for Trailers								
Temp Water for Trailers								
Fire Equipment								
01-1205 Storage Sheds	2.0	25.3	50.5	month		\$350	\$17,691	
<b>GR</b>	<b>TOTAL COST: JOBSITE TRAILERS</b>					<b>\$204,442</b>	<b>\$0.00</b>	

**JOBSITE TRAILERS SERVICES**

01-1220 Jobsite Radios	Cost is per radio	1.0	ls		\$1,200	\$1,200	
01-1233 250 Gallon holding tank rental & service - 1X service / week		25.3	month		\$325	\$8,213	
01-1233 250 Gallon holding tank delivery / setup / removal		2.0	ea		\$300	\$600	
01-1250 Copier - Full Size		25.3	month		\$750	\$18,954	
<b>GR</b>	<b>TOTAL COST: JOBSITE TRAILERS SERVICES</b>					<b>\$28,968</b>	<b>\$0.00</b>

**JOBSITE TRAILERS IT SERVICES**

01-1211	IT Trailer Setup & Equipment + Takedown	2.0	ls		\$1,200	\$2,400	
01-1241	Internet Connection setup	1.0	ls		\$200	\$200	
01-1241	Internet Connection service	25.3	month		\$700	\$17,691	
01-1211	Network Box	25.3	month		\$225	\$5,686	
01-1208	Conference Room Kit + 70" TV	1.0	ls		\$6,000	\$6,000	
01-1211	Verizon Back Up Internet	25.3	month		\$40	\$1,011	
01-1245	Textura - Cloud Billing Costs	3.0	ls		\$15,000	\$45,000	

01-1930	360 Degree Camera	1.0	ls			\$650	\$650	
01-1261	Computers and software licenses (Based on Total Staff Hours)	207.1	month			\$756	\$156,544	
<b>GR</b>	<b>TOTAL COST: JOBSITE TRAILERS IT SERVICES</b>						<b>\$235,182</b>	<b>\$0.00</b>

**COPY, PRINTING AND OFFICE SUPPLIES**

								Adjust/Project	
01-1270	Reproductions	25.3	month			\$750	\$18,954		
01-1280	Postage and Courier	25.3	month			\$75	\$1,895		
01-1290	Office Supplies	25.3	month			\$900	\$22,745		
01-1295	Team Meals / Meeting Meals	25.3	month			\$750	\$18,954		
01-1291	Drinking Water / Coffee	25.3	month			\$300	\$7,582		
01-1290	Pull Planning Whiteboards	1.0	ls			\$1,000	\$1,000		
<b>GR</b>	<b>TOTAL COST: COPY, PRINTING AND OFFICE SUPPLIES</b>						<b>\$71,130</b>	<b>\$0.00</b>	

**CLEAN UP AND DEBRIS**

	Labor Hrs	Rate	S/Total	Material	Rate	S/Total	Equip-Sum	Other	Total	
01-1500	Laborer Foreman - Site - See Detailed Staffing Plan		506,511.00	25.27219	1,000	25,272.19			\$531,783	\$531,783.19
01-7490	Debris Boxes (check location)			101.1	1,400	141,524.25			\$141,524	\$141,524.25
<b>CoW</b>	<b>TOTAL COST: CLEAN UP AND DEBRIS</b>								<b>\$0</b>	<b>\$673,307.44</b>

**TEMPORARY TOILETS**

	# of Units	Cost/Unit								
01-5200	Temporary Toilets - 2X service / week	8	\$400	25.3	month			\$3,200		\$78,971.00
01-5200	2 Station Sink - 2X service / week	4	\$450	25.3	month			\$1,800		\$44,421.00
01-5200	Delivery / pickup of toilets and sinks	12	\$50	1.0	ls			\$1,200		\$1,200.00
<b>CoW</b>	<b>TOTAL COST: TEMPORARY TOILETS</b>								<b>\$0</b>	<b>\$124,592.00</b>

**TEMPORARY FACILITIES**

01-5600	Temporary Fence	2,400.0	lf			\$16		\$38,400.00	
01-5210	Move Fence for Sequencing	128.0	hrs			\$114		\$14,555.82	
<b>CoW</b>	<b>TOTAL COST: TEMPORARY FACILITIES</b>							<b>\$0</b>	<b>\$52,955.82</b>

**COVID -19 REQUIREMENTS**

<b>GC</b>	<b>TOTAL COST: COVID -19 REQUIREMENTS</b>							<b>\$0</b>
-----------	---	--	--	--	--	--	--	------------

**TEMPORARY POWER / LIGHTING**

	Labor Hrs	Rate	S/Total	Material	Rate	S/Total	Equip-Sum	Other	Total	
01-1600	Temp Power and Lighting								\$0	\$0.00
01-1600	LED Stand Lights Cart (27)						124,740.00		\$124,740	\$124,740.00
01-1600	Temp Power "Y"/ Pigtail (7)						6,468.00		\$6,468	\$6,468.00
01-1600	Temp Power Box (16)						42,240.00		\$42,240	\$42,240.00
01-1600	Temp Power Skid 150 KVA						18,480.00		\$18,480	\$18,480.00
01-1600	Temp. Power Cord 50' - 50 AMP (16)						36,963.00		\$36,963	\$36,963.00
<b>CoW</b>	<b>TOTAL COST: TEMPORARY POWER / LIGHTING</b>								<b>\$0</b>	<b>\$228,891.00</b>

**JOBSITE SAFETY**

	Labor Hrs	Rate	S/Total	Material	Rate	S/Total	Equip-Sum	Other	Total	
01-1411	Perimeter Protection - Temp Safety Rail/Cable		-			-	126,000.00	-	\$126,000	\$126,000.00
01-1412	Waterfilled Safety Barriers (Temp Trailer Area)						11,000.00		\$11,000	\$11,000.00

01-1420	Safety Supplies / Equipment			-			-			\$0		\$0.00
01-1420	Barriers, Water Filled (Construction Site) (10)								11,000.00	\$11,000		\$11,000.00
01-1420	Cable Protector, 4 Channel (20)								17,600.00	\$17,600		\$17,600.00
01-1420	Cones (30)								6,600.00	\$6,600		\$6,600.00
01-1420	Orange Deliniators (60)								13,200.00	\$13,200		\$13,200.00
01-1420	IPAD - Equipment + WiFi/Data Plan (2)								9,240.00	\$9,240		\$9,240.00
01-1420	Fall Protection Kit (3)								13,200.00	\$13,200		\$13,200.00
01-1420	Full Body Harness (3)								5,280.00	\$5,280		\$5,280.00
01-1420	Spill Kit (3)								6,600.00	\$6,600		\$6,600.00
01-1420	Stretcher								4,400.00	\$4,400		\$4,400.00
01-1420	Sensera Camera, Kit.								12,100.00	\$12,100		\$12,100.00
01-1413	Trench Plates - See Earthwork			-			-			\$0		\$0.00
01-1440	Jobsite Signage								4,500.00	\$4,500		\$4,500.00
01-1455	Fire Extinguishers			-	20		80	1,600.00		\$1,600		\$1,600.00
<b>CoW</b>	<b>TOTAL COST: JOBSITE SAFETY</b>										<b>\$0</b>	<b>\$242,320.00</b>

<b>INVESTIGATION</b>		Labor Hrs	Rate	S/Total	Material	Rate	S/Total	Equip-Sum	Other	Total		
01-1431	Soil Testing - See Earthwork			-		-	-			\$0		\$0.00
01-1432	Potholing / Utility Locating - See Earthwork			-			-			\$0		\$0.00
<b>CoW</b>	<b>TOTAL COST: INVESTIGATION</b>										<b>\$0</b>	<b>\$0.00</b>

<b>LAYOUT AND CONTROL</b>		Labor Hrs	Rate	S/Total	Material	Rate	S/Total	Equip-Sum	Other	Total		
01-1911	Carpenter Foreman - See Detailed Staffing Plan			662,725.00		-	-	13,000.00	24,000.00	\$699,725		\$699,725.00
01-1911	Foreman OT (Includes 8 Hrs/Mo x Straight Rate x 1.5)			48,394.44			-			\$48,394		\$48,394.44
<b>CoW</b>	<b>TOTAL COST: LAYOUT AND CONTROL</b>										<b>\$0</b>	<b>\$748,119.44</b>

<b>ACCESS &amp; MATERIAL MANAGEMENT</b>		Labor Hrs	Rate	S/Total	Material	Rate	S/Total	Equip-Sum	Other	Total		
01-5450	Forklift / Gradall (Equipment, Fuel, Transporation, Misc.)			-		-	-	109,760.00		\$109,760		\$109,760.00
01-5450	Laborer - Driver & Maintenance - See Detailed Staffing Plan			267,122.00	25.27219	500	12,636.09			\$279,758		\$279,758.09
<b>CoW</b>	<b>TOTAL COST: ACCESS &amp; MATERIAL MANAGEMENT</b>										<b>\$0</b>	<b>\$389,518.09</b>

<b>TEMPORARY CONDITIONS</b>		Labor Hrs	Rate	S/Total	Material	Rate	S/Total	Equip-Sum	Other	Total		
01-5130	Temp Heating			-		-	-		15,000.00	\$15,000		\$15,000.00
01-7600	Protection of existing / finishes (Carpenter 2025)	868	153.170325	132,951.84			-		23,000.00	\$155,952		\$155,951.84
<b>CoW</b>	<b>TOTAL COST: TEMPORARY CONDITIONS</b>										<b>\$0</b>	<b>\$170,951.84</b>

<b>SITE CONDITIONS</b>		Labor Hrs	Rate	S/Total	Mat/Sub	Rate	S/Total	Equip-Sum	Other	Total		
01-1204	Mobilization / Demobilization	100	\$232	23,223		-	-			\$23,223		\$11,372.00
01-8100	Dewatering - INLCUDED IN WINTER WEATHER ALLOWANCE			-		-	-			\$0		\$0.00
01-8110	SWPPP - Installation, Maintenance, Removal (Laborer 2025)	877.45035	113.717363	99,781.34			-	9,000.00	27,000.00	\$135,781		\$135,781.34
01-7460	Street Cleaning - See Earthwork			-			-			\$0		\$0.00
01-5520	Temporary Roads / Parking / Staging			-			-		20,000.00	\$20,000		\$20,000.00
<b>CoW</b>	<b>TOTAL COST: SITE CONDITIONS</b>										<b>\$0</b>	<b>\$167,153.34</b>

<b>EQUIPMENT RENTALS</b>		Labor Hrs	Rate	S/Total	Mat/Sub	Rate	S/Total	Equip-Sum	Other	Total		
01-3940	Site Access Equipment & Equipment Rentals									\$0		\$0.00

01-3940	1 CY Debris Cart (3)									16,632	\$16,632		\$16,632.00
01-3940	DFH Utility Cart									3,234	\$3,234		\$3,234.00
01-3940	Knaack Large Gang Box									4,620	\$4,620		\$4,620.00
01-3940	Pallet Jack									5,544	\$5,544		\$5,544.00
01-3940	Wheelbarrow (2)									2,772	\$2,772		\$2,772.00
01-3940	2pc Combo Kit, Drill - Impact (2)									7,040	\$7,040		\$7,040.00
01-3940	20v SDS Plus Rotohammer									5,544	\$5,544		\$5,544.00
01-3940	Powder Actuated Gun									2,640	\$2,640		\$2,640.00
01-3940	Ladder, 6' Fiberglass Step Ladder									1,512	\$1,512		\$1,512.00
01-3940	Ladder, 8' Fiberglass Step Ladder									1,890	\$1,890		\$1,890.14
01-3940	Ladder, 10' Fiberglass Step Ladder									2,268	\$2,268		\$2,268.00
01-3940	Ladder, 24' Extension Ladder									2,646	\$2,646		\$2,646.14
01-3940	Cordless Blower,ea									1,760	\$1,760		\$1,760.00
01-3940	20v Cordless Grinder,ea (2)									5,280	\$5,280		\$5,280.00
01-3940	7-1/4 Skillsaw,ea									2,200	\$2,200		\$2,200.00
01-3940	18v Cordless Sawzall,ea									3,520	\$3,520		\$3,520.00
01-3940	PortaBand									3,520	\$3,520		\$3,520.00
01-3940	Magnetic Sweeper									1,386	\$1,386		\$1,386.18
01-3940	Conference Cam									924	\$924		\$924.00
01-3940	Conference Room Chairs (10)									2,309	\$2,309		\$2,309.12
01-3940	Sump Pump, 1hp w/ float (3)									7,920	\$7,920		\$7,920.00
01-3940	Dewalt 10 gal Hepa									6,930	\$6,930		\$6,930.18
01-3940	Moisture Meter									630	\$630		\$630.00
01-3940	Conference Room Table (2)									924	\$924		\$924.35
01-3940	ARROW Driver,ea									5,975	\$5,975		\$5,975.40
01-3940	Conex Delivery Fee,ea									650	\$650		\$650.00
01-3940	Pick Up Conex Fee,ea									650	\$650		\$650.00
01-3940	Shop Delivery /Pick Up Equipment									16,887	\$16,887		\$16,887.00
01-3940	Rentals Sales Tax									48,794	\$48,794		\$48,794.49
01-3941	Construction Tech. (Drone, Scanning, Prog. Photos)										\$0		\$0.00
01-3941	Daily use fee for Drone (30)									1,500.00	\$1,500		\$1,500.00
01-3941	Daily use fee for Laser Scanner (6)									3,000.00	\$3,000		\$3,000.00
01-3941	Daily use fee for Matterport Camera (95)									9,526.00	\$9,526		\$9,526.00
01-3941	Daily use fee for Total Station (15)									3,375.00	\$3,375		\$3,375.00
<b>CoW</b>	<b>TOTAL COST: EQUIPMENT RENTALS</b>											<b>\$0</b>	<b>\$184,004.00</b>

<b>OTHER</b>		Labor Hrs	Rate	S/Total	Material	Rate	S/Total	Equip-Sum	Other	Total		
01-9999	Certified Payroll & LCP Tracker			-		-	-		32,461	\$32,461	\$32,461	
<b>GR</b>	<b>TOTAL COST: OTHER</b>										<b>\$32,461</b>	<b>\$0.00</b>

**Total General Requirements Security Allowance**

General Requirements 1	General Requirements 2
<b>\$572,183</b>	<b>\$2,992,313</b>
	<b>\$75,000</b>
	<b>\$3,067,313</b>





11/21/23

**Equipment Rentals**

**Rental Rates**

Category	Description	# Reqd	Rental Period	Units	Monthly	SubTotal	Rental	Notes
					Mos		Sub-Total	
BUILDERS LEVELS & INSTRUMENTS	Laser Level, Handheld	1	22	Mos	\$ 210.00	\$ 4,620		Carpenter Foreman
BUILDERS LEVELS & INSTRUMENTS	Line+Poin, Green Laser.	1	22	Mos	\$ 315.00	\$ 6,930		Carpenter Foreman
DEBRIS CARTS & CHUTES	1 CY Debris Cart	3	22	Mos	\$ 252.00	\$ 16,632	\$ 16,632	Other: Equip Rentals
DOLLIES, CARTS & BOXES	DFH Utility Cart	1	22	Mos	\$ 147.00	\$ 3,234	\$ 3,234	Other: Equip Rentals
DOLLIES, CARTS & BOXES	Knaack Large Gang Box	1	22	Mos	\$ 210.00	\$ 4,620	\$ 4,620	Other: Equip Rentals
DOLLIES, CARTS & BOXES	Pallet Jack	1	22	Mos	\$ 252.00	\$ 5,544	\$ 5,544	Other: Equip Rentals
DOLLIES, CARTS & BOXES	Wheelbarrow	2	22	Mos	\$ 63.00	\$ 2,772	\$ 2,772	Other: Equip Rentals
DRILLS, ROTOHAMMERS & SHOTGUNS	2pc Combo Kit, Drill - Impact,	2	22	Mos	\$ 160.00	\$ 7,040	\$ 7,040	Other: Equip Rentals
DRILLS, ROTOHAMMERS & SHOTGUNS	20v SDS Plus Rotohammer	1	22	Mos	\$ 252.00	\$ 5,544	\$ 5,544	Other: Equip Rentals
DRILLS, ROTOHAMMERS & SHOTGUNS	Powder Actuated Gun	1	22	Mos	\$ 120.00	\$ 2,640	\$ 2,640	Other: Equip Rentals
LADDERS	Ladder, 6' Fiberglass Step Ladder	1	18	Mos	\$ 84.00	\$ 1,512	\$ 1,512	Other: Equip Rentals
LADDERS	Ladder, 8' Fiberglass Step Ladder	1	18	Mos	\$ 105.01	\$ 1,890	\$ 1,890	Other: Equip Rentals
LADDERS	Ladder, 10' Fiberglass Step Ladder	1	18	Mos	\$ 126.00	\$ 2,268	\$ 2,268	Other: Equip Rentals
LADDERS	Ladder, 24' Extension Ladder	1	18	Mos	\$ 147.01	\$ 2,646	\$ 2,646	Other: Equip Rentals
MISC. TOOLS	Cordless Blower,ea	1	22	Mos	\$ 80.00	\$ 1,760	\$ 1,760	Other: Equip Rentals
MISC. TOOLS	20v Cordless Grinder,ea	2	22	Mos	\$ 120.00	\$ 5,280	\$ 5,280	Other: Equip Rentals
MISC. TOOLS	7-1/4 Skillsaw,ea	1	22	Mos	\$ 100.00	\$ 2,200	\$ 2,200	Other: Equip Rentals
MISC. TOOLS	18v Cordless Sawzall,ea	1	22	Mos	\$ 160.00	\$ 3,520	\$ 3,520	Other: Equip Rentals
MISC. TOOLS	PortaBand	1	22	Mos	\$ 160.00	\$ 3,520	\$ 3,520	Other: Equip Rentals
MISC. TOOLS	Magnetic Sweeper	1	22	Mos	\$ 63.01	\$ 1,386	\$ 1,386	Other: Equip Rentals
MISC EQUIPMENT	Conference Cam	1	22	Mos	\$ 42.00	\$ 924	\$ 924	Other: Equip Rentals
MISC EQUIPMENT	Conference Room Chairs	10	22	Mos	\$ 10.50	\$ 2,309	\$ 2,309	Other: Equip Rentals
MISC EQUIPMENT	Sump Pump, 1hp w/ float	3	22	Mos	\$ 120.00	\$ 7,920	\$ 7,920	Other: Equip Rentals
MISC EQUIPMENT	Dewalt 10 gal Hepa	1	22	Mos	\$ 315.01	\$ 6,930	\$ 6,930	Other: Equip Rentals
MISC EQUIPMENT	Moisture Meter	1	3	Mos	\$ 210.00	\$ 630	\$ 630	Other: Equip Rentals
MISC EQUIPMENT	Conference Room Table	2	22	Mos	\$ 21.01	\$ 924	\$ 924	Other: Equip Rentals
PERIMETER SAFETY/PROTECTION	Barriers, Water Filled	10	22	Mos	\$ 50.00	\$ 11,000		Safety Equipment
PERIMETER SAFETY/PROTECTION	Cable Protector, 4 Channel	20	22	Mos	\$ 40.00	\$ 17,600		Safety Equipment
PERIMETER SAFETY/PROTECTION	Cones	30	22	Mos	\$ 10.00	\$ 6,600		Safety Equipment
PERIMETER SAFETY/PROTECTION	Orange Deliniators	60	22	Mos	\$ 10.00	\$ 13,200		Safety Equipment
SAFETY EQUIPMENT	IPAD - Equipment + WiFi/Data Plan	2	22	Mos	\$ 210.00	\$ 9,240		Safety Equipment
SAFETY EQUIPMENT	Fall Protection Kit	3	22	Mos	\$ 200.00	\$ 13,200		Safety Equipment
SAFETY EQUIPMENT	Full Body Harness	3	22	Mos	\$ 80.00	\$ 5,280		Safety Equipment
SAFETY EQUIPMENT	Slab Grabber	350	9	Mos	\$ 40.00	\$ 126,000		Jobsite Safety
SAFETY EQUIPMENT	Spill Kit	3	22	Mos	\$ 100.00	\$ 6,600		Safety Equipment
SAFETY EQUIPMENT	Stretcher	1	22	Mos	\$ 200.00	\$ 4,400		Safety Equipment
SECURITY CAMERA	Sensera Camera, Kit.	1	22	Mos	\$ 550.00	\$ 12,100		Safety Equipment
TEMP. POWER & LIGHTS	LED Stand Lights Cart,	27	22	Mos	\$ 210.00	\$ 124,740		Temp Pwr & Light
TEMP. POWER & LIGHTS	Temp Power "Y"/ Pigtail	7	22	Mos	\$ 42.00	\$ 6,468		Temp Pwr & Light
TEMP. POWER & LIGHTS	Temp Power Box,	16	22	Mos	\$ 120.00	\$ 42,240		Temp Pwr & Light
TEMP. POWER & LIGHTS	Temp Power Skid 150 KVA	1	22	Mos	\$ 840.00	\$ 18,480		Temp Pwr & Light

TEMP. POWER & LIGHTS	Temp. Power Cord 50' - 50 AMP	16	22	Mos	\$ 105.01	\$ 36,963		Temp Pwr & Light
CONSTRUCTION TECHNOLOGY	Daily use fee for Drone	1	30	Days		\$ 1,500		Other: Const Tech
CONSTRUCTION TECHNOLOGY	Daily use fee for Laser Scanner	1	6	Days		\$ 3,000		Other: Const Tech
CONSTRUCTION TECHNOLOGY	Daily use fee for Matterport Camera	1	95.26	Days		\$ 9,526		Other: Const Tech
CONSTRUCTION TECHNOLOGY	Daily use fee for Total Station	1	15	Days		\$ 3,375		Other: Const Tech
DELIVERY	ARROW Driver,ea	1	64.95	Days		\$ 5,975	\$ 5,975	Other: Equip Rentals
DELIVERY	Conex Delivery Fee,ea	1	2	Days		\$ 650	\$ 650	Other: Equip Rentals
DELIVERY	Pick Up Conex Fee,ea	1	2	Days		\$ 650	\$ 650	Other: Equip Rentals
DELIVERY	Shop Delivery /Pick Up Equipment	1	51.96	Days		\$ 16,887	\$ 16,887	Other: Equip Rentals
EXTRA	Sales Tax			8%		\$ 48,794	\$ 48,794	Other: Equip Rentals
<b>Total Equipment Rental to Summary Sheet</b>						<b>\$ 166,603</b>		

## 7 - Basis Of Schedule & Construction Schedule

12/13/2023

The GMP schedule and Completion date is based upon the following schedule assumptions and key dates.

### **General Summary**

The enclosed schedule is an integral part of the Guaranteed Maximum Price (GMP) package. This Basis of Schedule summary is meant to assist the team in understanding the schedule, augment and clarify activities and logic within it, and qualify assumptions related to it.

Construction Baseline Schedule: with a Data Date of 11/28/2023

**Note: any reference made to ‘days’ in this and all schedule related communication refer to working days, and not calendar days.**

The XL team, working in concert with the Architect, Structural, and MEPF design-build partners, has created a work plan and means and methods that allow for an efficient, cost-effective project delivery. The following generally describe Wellness Center Timber Project milestones and major elements of work:

<b>ID</b>	<b>MILESTONE</b>	<b>UPDATE FGMP DD=11/28/23</b>
MXL-C-1300	Building Permit Issued	01-02-24
PRECON-1200	Full GMP Funding CoSM Approval	02-01-24
OCC-1500	Deliver and Set trailers (ready for fit up)	02/07/24
OCC-1600	Move Occupants out of Existing Building	03-08-24
PGE-2100	PG&E Energize Temp. Power	03-21-24
DEMO-1600	Demo Probation Bldg.	04-03-24
MXL-C-1060	Foundations Complete	07-31-24
MXL-C-1010	Structure Complete	11-15-24
MXL-C-1070	Roof top Equipment set	03-26-25
MXL-C-1030	Watertight - Temp Roof Complete-Facade dry in	05-8-25
PGE-2600	Energize PG&E Meter	06-09-25
MM-1072	TCO/Substantial Complete	02-12-26
MM-1060	Project Complete	03-12-26

### **Clarifications & Areas of Team Focus**

The above Milestones are predicated by the following assumptions:

1. The GMP is releasing all subcontracts with the exception of the release of the Soil Improvement, Facade, Steel and Timber shop drawings. This schedule is based on a notice to proceed and fully funded GMP on 01-Feb-24. (PRECON-1200)
2. Start of Demolition is dependent on the release of funding for the Temporary trailers, procurement and set up of the trailers, and the relocation of tenants. XL will have the Temp office trailers delivered and set by 02/07/24 (OCC-1500). The Owner has directed XL to include 3 weeks for the tenant relocation from the existing building to the temporary trailers. The mobilization for abatement and demolition will begin immediately after the tenant relocation has been completed. Expected tenant relocation is to start on 2/15/24 and finish on 3/08/24. (OCC-1600)

**WE BUILD TO IMPROVE LIVES.**

12/13/2023

3. Tenant Improvement will commence after the 3rd floor deck is cured.(MT-3-1700+3 DAYS) This will run concurrent with the installation of the exterior system. Sheetrock and weather sensitive material will not be installed until the curtain wall has been installed on the required floor to limit the possibility of damage due to the elements. Weather provisions will be made for any needed early walls, such as shafts, electrical rooms, IDF closets or other locations needed for overhead rough-in work.
4. Permanent Power to the Electrical yard and Transformer is expected to be complete by PG&E by June 09, 2025. (PGE-2600)
5. Schedule reflects durations for TI in areas currently shown as shelled areas. With the assumption that the build out will be similar to existing 2<sup>nd</sup> floor design. This includes assumption that work will be continuous including start up and commissioning. Design documents for construction are expected on 05-16-24. (DSN-1304). Assuming that none of the TI revisions alter the core and shell components.
6. Schedule is based on energizing the yard ahead of and independent of completing building electrical rooms. Energization of the Electrical Panels will begin once the building is under Permanent Power and the City has performed their final inspection of the Generator and Main Electrical Yard.
7. The schedule includes the 14 deferred submittals listed on page G1.1 of the Permit Submittal set dated 7/11/23. XL has included 20 days for AHJ review and approval. If review times exceed the durations included in the schedule and impact the critical path, The contract schedule will need to be adjusted by Change Order. See schedule WBS section Deferred Submittals within the procurement schedule.
8. The schedule assumes the following as it relates to Soil Improvement- Working grade for drill rigs will be existing grade at an elevation between 43' and 44', DDC's will be installed at varied elevations dependent on what element they are to support. 12" Load Transfer Pad (LTP) will be installed at the bottom of each footing to the extent of the footing excavation.. Installation of slab on grade DDC's adjacent to deep foundations will occur after backfill of deep foundations. A 12" LTP that will double as the capillary break to be installed under full extent of slab on grade. If the assumed design of the LTP changes, time will need adjust durations accordingly. Re-evaluation may include, excavation, forming, deeper load transfer pad. Engeo (design team) approval of ground improvement design is expected by 01-18-24. (A788)
9. Structural peer review and value engineering decisions are expected to be finalized by 1/5/2024. Included 4 weeks for updates to design documents. Trade partner submittals will begin thereafter. (A1554, A1556)
10. The County will enter into a Power Provider Agreement in 2024. The design of the Photovoltaic system will be designed by others. All foundation/conduit work associated with this scope will be handled via change order upon finalization of design. The schedule assumes that the design and permitting timelines align with the sitework grading and paving activities.
11. After project completion date of 02-12-26 (MM-1072) XL construction staff will remain on project to complete close out documentation through 03-12-26. (MM-1060)
12. Submittal approvals by County Facilities department shall be within the 2 weeks of issuance of submittal. This shall be concurrent with Design Team Review / Approval. Smith Group shall aggregate comments for final submittal response to XL.
13. Client Temp Trailer Utilities are scheduled to be completed by 1/31/24. (A1552)

#### **Schedule Clarifications:**

1. A separate Schedule has been developed for Procurement and is linked to the Construction schedule. Both Schedules will be submitted for this GMP as well as with the Monthly Schedule Update.
2. There is one Project Calendar assigned to all activities: 4567 - 5-day work week w/ basic holidays.

**WE BUILD TO IMPROVE LIVES.**

12/13/2023

- a. The holidays included in the calendar are:
  - i. Labor Day
  - ii. Thanksgiving and the following Friday
  - iii. Christmas Day
  - iv. New Year's Day
  - v. Presidents Day
  - vi. Memorial Day
  - vii. July 4th
  - viii. In addition Standard Union Designated Day Off days are included as non work days. A list of these holidays are available upon request.
- b. If the holiday falls on a Saturday, the preceding Friday will be observed as the holiday.
- c. If the holiday falls on a Sunday, the following Monday will be observed as the holiday.
- d. There is currently no work scheduled to occur on weekends.
3. Submittal review time of 14 calendar days/10 working days has been applied to the schedule. No revision time has been included.
4. All RFI's to be included in the schedule as they occur, with a 7 calendar day/5 working day duration response period, which includes consultant review.
5. Weather allowance of 35 working days has been incorporated into the schedule.
  - a. Activity IDs:
    - i. A984 - Weather Allowance – 15 working days for the year 2024
    - ii. A986 - Weather Allowance – 15 working days for the year 2025
    - iii. A988 - Weather Allowance – 5 working days for the year 2026

**Longest/Critical Path:**

The longest path runs through the Tenant move out of probation building, demo, soil improvement, foundation, Superstructure, Elevator, Facade, .1st floor TI, and elevator sign off.

**Schedules Attached:**

- XL-4567-1 County of San Mateo SSF Wellness Center- Mass Timber 2023-11-28
  - Full FGMP Construction Schedule

**County of San Mateo SSF Wellness Center  
Procurement & Construction Schedule**



Activity ID	Activity Name	Original Duration	Start	Finish	2024												2025												2026											
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr							
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr							
<b>County of San Mateo SSF Wellness Center</b>					County of San Mateo SSF Wellness Center																																			
<b>MILESTONES</b>					<b>MILESTONES</b>																																			
<b>Contract Milestones</b>					<b>Contract Milestones</b>																																			
MM-1072	TCO/Substantial Complete	0	12-Feb-26	12-Mar-26	◆ TCO/Substantial Complete																																			
MM-1060	Project Complete	0	12-Feb-26	12-Mar-26	◆ Project Complete																																			
<b>Owner Milestones/Key Deliverables</b>					<b>Owner Milestones/Key Deliverables</b>																																			
A1000	Owner Furniture Move-In	15	13-Feb-26	05-Mar-26	◆ Owner Furniture Move-In																																			
<b>XL Milestones</b>					<b>XL Milestones</b>																																			
<b>Start Milestones</b>					<b>Start Milestones</b>																																			
MXL-C-1100	Telecom Infrastructure complete to begin demo	0	22-Dec-23	22-Dec-23	◆ Telecom Infrastructure complete to begin demo																																			
MXL-C-1300	Building Permit Issued	0	22-Dec-23	02-Jan-24	◆ Building Permit Issued																																			
MXL-1005	Mobilization	0	05-Feb-24		◆ Mobilization																																			
MXL-1025	Start Facade Mock up	0	08-Mar-24		◆ Start Facade Mock up																																			
MXL-1220	Start Fab & Deliver Structural Steel	0	11-Mar-24		◆ Start Fab & Deliver Structural Steel																																			
MXL-1015	Start - Demo (includes abatement)	0	12-Mar-24		◆ Start - Demo (includes abatement)																																			
MXL-1150	Start - Construction (Grading, post demo)	0	24-Apr-24		◆ Start - Construction (Grading, post demo)																																			
MXL-1240	Start DDC (ground improvement)	0	24-Apr-24		◆ Start DDC (ground improvement)																																			
MXL-1180	Start - Foundation	0	15-May-24		◆ Start - Foundation																																			
MXL-1260	Start Timber Fabrication	0	19-Jul-24		◆ Start Timber Fabrication																																			
MXL-C-1060	Foundations Complete	0		31-Jul-24	◆ Foundations Complete																																			
MXL-1250	Start Slab on Grade	0	08-Aug-24		◆ Start Slab on Grade																																			
MXL-1010	Start - Structure-Steel	0	06-Sep-24		◆ Start - Structure-Steel																																			
A1010	Start Timber Erection	0	23-Oct-24		◆ Start Timber Erection																																			
MXL-C-1010	Structure Complete	0		15-Nov-24	◆ Structure Complete																																			
MXL-1190	Start - Facade	0	07-Jan-25		◆ Start - Facade																																			
MXL-1170	Start - Construction - TI	0	14-Jan-25		◆ Start - Construction - TI																																			
MXL-1290	Start East parking lot	0	15-Jan-25		◆ Start East parking lot																																			
MXL-1300	Start Photovoltaic (parking area)	0	20-Jan-25		◆ Start Photovoltaic (parking area)																																			
MXL-C-1220	First day of Framing	0	21-Jan-25		◆ First day of Framing																																			
MXL-1020	Roof Complete	0		05-Mar-25	◆ Roof Complete																																			
MXL-C-1070	Roof top Equipment boilers, tanks, pumps	0		26-Mar-25	◆ Roof top Equipment boilers, tanks, pumps																																			
MXL-1310	Set Air Handler	0		09-Apr-25	◆ Set Air Handler																																			
MXL-C-1040	Overhead Complete (Rough-In)	0		01-May-25	◆ Overhead Complete (Rough-In)																																			
MXL-C-1030	Watertight - -Facade dry in	0		08-May-25	◆ Watertight - -Facade dry in																																			
MXL-1230	First day of Drywall	0	09-May-25		◆ First day of Drywall																																			
MXL-1210	Elevator Ready to energize	0		22-May-25	◆ Elevator Ready to energize																																			
MXL-1270	Green Tag	0	02-Jun-25		◆ Green Tag																																			
MXL-C-1080	PG&E Power On	0		09-Jun-25	◆ PG&E Power On																																			
MXL-1200	Start - Pre-functional Testing	0	09-Jun-25		◆ Start - Pre-functional Testing																																			
MXL-1100	Energize Equipment	0	09-Jun-25		◆ Energize Equipment																																			
MXL-C-1020	Facade Complete	0		11-Jun-25	◆ Facade Complete																																			
MXL-C-1050	Main Electrical Room/IDF - Room Ready	0		16-Jun-25	◆ Main Electrical Room/IDF - Room Ready																																			
MXL-1035	Complete Photovoltaic (must finish by 04/2026)	0		24-Jul-25	◆ Complete Photovoltaic (must finish by 04/2026)																																			
MXL-C-1110	Site Work Complete	0		03-Oct-25	◆ Site Work Complete																																			
MXL-1280	Elevator Sign off	0		15-Dec-25	◆ Elevator Sign off																																			
MXL-C-1120	Construction Substantially Complete	0		12-Feb-26	◆ Construction Substantially Complete																																			
<b>CoSM Wellness Center - Procurement Schedule</b>					CoSM Wellness Center - Procurement Schedule																																			

█ Remaining Level of Effort   
 █ Actual Work   
 █ Critical Remaining Work  
█ Actual Level of Effort   
 █ Remaining Work   
 ◆ ◆ Milestone

**County of San Mateo SSF Wellness Center  
Procurement & Construction Schedule**



Activity ID	Activity Name	Original Duration	Start	Finish	2024												2025					2026												
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
<b>DELEGATED DESIGN/DEFERRED SUBMITTALS</b>		119	12-Dec-23	04-Jun-24	DELEGATED DESIGN/DEFERRED SUBMITTALS																													
<b>DEFERRED SUBMITTALS</b>		119	12-Dec-23	04-Jun-24	DEFERRED SUBMITTALS																													
<b>PROPRIETARY GROUND IMPROVEMENT SYSTEM</b>		40	05-Mar-24	29-Apr-24	PROPRIETARY GROUND IMPROVEMENT SYSTEM																													
DDCSUB-1000	Develop and submit DDC	10	05-Mar-24	18-Mar-24	Develop and submit DDC																													
DDCSUB-1100	City Review and Comment DDC	20	19-Mar-24	15-Apr-24	City Review and Comment DDC																													
DDCSUB-1200	Recieve Plan check comments DDC	0		15-Apr-24	Recieve Plan check comments DDC																													
DDCSUB-1300	Respond to comments, resubmit DDC	5	16-Apr-24	22-Apr-24	Respond to comments, resubmit DDC																													
DDCSUB-1400	Approve deferred submittal DDC	5	23-Apr-24	29-Apr-24	Approve deferred submittal DDC																													
DDCSUB-1500	Permit Issued deferred submittal DDC	0		29-Apr-24	Permit Issued deferred submittal DDC																													
<b>BUCKLING RETRAINED BRACES FRAMES</b>		110	12-Dec-23	20-May-24	BUCKLING RETRAINED BRACES FRAMES																													
BRBSUB-1000	Develop and submit BRB	20	12-Dec-23	10-Jan-24	Develop and submit BRB																													
BRBSUB-1100	City Review and Comment BRB	20	11-Jan-24	08-Feb-24	City Review and Comment BRB																													
BRBSUB-1200	Recieve Plan check comments BRB	0		08-Feb-24	Recieve Plan check comments BRB																													
BRBSUB-1300	Respond to comments, resubmit BRB	5	09-Feb-24	15-Feb-24	Respond to comments, resubmit BRB																													
BRBSUB-1400	Approve deferred submittal BRB	5	20-Feb-24	26-Feb-24	Approve deferred submittal BRB																													
BRBSUB-1500	Permit Issued deferred submittal BRB	0		26-Feb-24	Permit Issued deferred submittal BRB																													
BRBSUB-1600	Fabricate & Deliver BRB	60	27-Feb-24	20-May-24	Fabricate & Deliver BRB																													
<b>FIRE SPRINKLER (FULL SPRINKLER AND STANDPIPE)</b>		76	14-Feb-24	04-Jun-24	FIRE SPRINKLER (FULL SPRINKLER AND STANDPIPE)																													
FSSUB-1000	Develop and submit FS	20	14-Feb-24	14-Mar-24	Develop and submit FS																													
FSSUB-1100	City Review and Comment FS	20	15-Mar-24	11-Apr-24	City Review and Comment FS																													
FSSUB-1200	Recieve Plan check comments FS	0		17-May-24	Recieve Plan check comments FS																													
FSSUB-1300	Respond to comments, resubmit FS	5	20-May-24	28-May-24	Respond to comments, resubmit FS																													
FSSUB-1400	Approve deferred submittal FS	5	29-May-24	04-Jun-24	Approve deferred submittal FS																													
FSSUB-1500	Permit Issued deferred submittal FS	0		04-Jun-24	Permit Issued deferred submittal FS																													
<b>FIRE ALARM (VOICE EVACUATION)</b>		76	14-Feb-24	04-Jun-24	FIRE ALARM (VOICE EVACUATION)																													
FASUB-1000	Develop and submit FA	20	14-Feb-24	14-Mar-24	Develop and submit FA																													
FASUB-1100	City Review and Comment FA	20	15-Mar-24	11-Apr-24	City Review and Comment FA																													
FASUB-1200	Recieve Plan check comments FA	0		17-May-24	Recieve Plan check comments FA																													
FASUB-1300	Respond to comments, resubmit FA	5	20-May-24	28-May-24	Respond to comments, resubmit FA																													
FASUB-1400	Approve deferred submittal FA	5	29-May-24	04-Jun-24	Approve deferred submittal FA																													
FASUB-1500	Permit Issued deferred submittal FA	0		04-Jun-24	Permit Issued deferred submittal FA																													
<b>ELEVATORS</b>		50	05-Feb-24	16-Apr-24	ELEVATORS																													
ELEVSUB-1000	Develop and submit Elevator	20	05-Feb-24	05-Mar-24	Develop and submit Elevator																													
ELEVSUB-1100	City Review and Comment Elevator	20	06-Mar-24	02-Apr-24	City Review and Comment Elevator																													
ELEVSUB-1200	Recieve Plan check comments Elevator	0		02-Apr-24	Recieve Plan check comments Elevator																													
ELEVSUB-1300	Respond to comments, resubmit Elevator	5	03-Apr-24	09-Apr-24	Respond to comments, resubmit Elevator																													
ELEVSUB-1400	Approve deferred submittal Elevator	5	10-Apr-24	16-Apr-24	Approve deferred submittal Elevator																													
ELEVSUB-1500	Permit Issued deferred submittal Elevator	0		16-Apr-24	Permit Issued deferred submittal Elevator																													
<b>PREFABRICATED METAL STAIR 1002</b>		50	12-Dec-23	26-Feb-24	PREFABRICATED METAL STAIR 1002																													
STAIRSUB-1000	Develop and submit Metal Stairs	20	12-Dec-23	10-Jan-24	Develop and submit Metal Stairs																													
STAIRSUB-1100	City Review and Comment Metal Stairs	20	11-Jan-24	08-Feb-24	City Review and Comment Metal Stairs																													
STAIRSUB-1200	Recieve Plan check comments Metal Stairs	0		08-Feb-24	Recieve Plan check comments Metal Stairs																													
STAIRSUB-1300	Respond to comments, resubmit Metal Stairs	5	09-Feb-24	15-Feb-24	Respond to comments, resubmit Metal Stairs																													
STAIRSUB-1400	Approve deferred submittal Metal Stairs	5	20-Feb-24	26-Feb-24	Approve deferred submittal Metal Stairs																													
STAIRSUB-1500	Permit Issued deferred submittal Metal Stairs	0		26-Feb-24	Permit Issued deferred submittal Metal Stairs																													
<b>WINDOW WALL/ STORE FRONT SYSTEMS</b>		50	14-Feb-24	25-Apr-24	WINDOW WALL/ STORE FRONT SYSTEMS																													
STRFRNT-SUB-1000	Develop and submit Facade	20	14-Feb-24	14-Mar-24	Develop and submit Facade																													

█ Remaining Level of Effort   
 █ Actual Work   
 █ Critical Remaining Work  
█ Actual Level of Effort   
 █ Remaining Work   
 ◆ Milestone



**County of San Mateo SSF Wellness Center  
Procurement & Construction Schedule**



Activity ID	Activity Name	Original Duration	Start	Finish	2024												2025												2026											
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May						
<b>COLD FORMED FRAMING</b>					COLD FORMED FRAMING																																			
FRAME-SUB-1000	Develop and submit CFF	20	05-Feb-24	05-Mar-24	Develop and submit CFF																																			
FRAME-SUB-1100	CFF City Review and Comment	20	06-Mar-24	02-Apr-24	CFF City Review and Comment																																			
FRAME-SUB-1200	Recieve Plan check comments CFF	0		02-Apr-24	Recieve Plan check comments CFF																																			
FRAME-SUB-1300	Respond to comments, resubmit CFF	5	03-Apr-24	09-Apr-24	Respond to comments, resubmit CFF																																			
FRAME-SUB-1400	Approve deferred submittal CFF	5	10-Apr-24	16-Apr-24	Approve deferred submittal CFF																																			
FRAME-SUB-1500	Permit Issued deferred submittal CFF	0		16-Apr-24	Permit Issued deferred submittal CFF																																			
<b>SUBMITTAL / PROCUREMENT</b>					SUBMITTAL / PROCUREMENT																																			
<b>03 CONCRETE</b>					03 CONCRETE																																			
<b>03.2100 - REBAR</b>					03.2100 - REBAR																																			
PROC-200	Generate Shop Drawings - Rebar	10	14-Feb-24	28-Feb-24	Generate Shop Drawings - Rebar																																			
PROC-2700	Review Drawings - Rebar	14	29-Feb-24	13-Mar-24	Review Drawings - Rebar																																			
PROC-5200	Submittal returned with comments - Rebar	1	13-Mar-24	14-Mar-24	Submittal returned with comments - Rebar																																			
PROC-5400	Submittal Revision - Rebar	5	14-Mar-24	21-Mar-24	Submittal Revision - Rebar																																			
PROC-7700	Revised Submittal submitted - Rebar	1	21-Mar-24	22-Mar-24	Revised Submittal submitted - Rebar																																			
PROC-10000	Revised Submittal Reviewed - Rebar	21	23-Mar-24	12-Apr-24	Revised Submittal Reviewed - Rebar																																			
PROC-10600	Approve Shop Drawings - Rebar	1	12-Apr-24	15-Apr-24	Approve Shop Drawings - Rebar																																			
PROC-11300	Fab & Deliver Material- Rebar	20	15-Apr-24	13-May-24	Fab & Deliver Material- Rebar																																			
PROC-11200	Release - Rebar	0		15-Apr-24	Release - Rebar																																			
<b>03.3000 - CAST-IN-PLACE CONCRETE &amp; FINISHES</b>					03.3000 - CAST-IN-PLACE CONCRETE & FINISHES																																			
PROC-25480	Generate Shop Drawings - Concrete	10	14-Feb-24	28-Feb-24	Generate Shop Drawings - Concrete																																			
PROC-25490	Review Drawings - Concrete	14	29-Feb-24	13-Mar-24	Review Drawings - Concrete																																			
PROC-25530	Submittal returned with comments - Concrete	1	13-Mar-24	14-Mar-24	Submittal returned with comments - Concrete																																			
PROC-25540	Submittal Revision - Concrete	5	14-Mar-24	21-Mar-24	Submittal Revision - Concrete																																			
PROC-25550	Revised Submittal submitted - Concrete	1	21-Mar-24	22-Mar-24	Revised Submittal submitted - Concrete																																			
PROC-25560	Revised Submittal Reviewed - Concrete	21	23-Mar-24	12-Apr-24	Revised Submittal Reviewed - Concrete																																			
PROC-25500	Approve Shop Drawings - Concrete	1	12-Apr-24	15-Apr-24	Approve Shop Drawings - Concrete																																			
PROC-25510	Fab & Deliver Material- Concrete	20	15-Apr-24	13-May-24	Fab & Deliver Material- Concrete																																			
PROC-25520	Release - Concrete	0		15-Apr-24	Release - Concrete																																			
<b>04 MASONRY</b>					04 MASONRY																																			
<b>04.2200 - CONCRETE UNIT MASONRY</b>					04.2200 - CONCRETE UNIT MASONRY																																			
PROC-25840	Generate Shop Drawings - Concrete Unit Masonry	15	14-Feb-24	06-Mar-24	Generate Shop Drawings - Concrete Unit Masonry																																			
PROC-25850	Review Drawings - Concrete Unit Masonry	21	07-Mar-24	27-Mar-24	Review Drawings - Concrete Unit Masonry																																			
PROC-25890	Submittal returned with comments - Concrete Unit Masonry	1	27-Mar-24	28-Mar-24	Submittal returned with comments - Concrete Unit Masonry																																			
PROC-25900	Submittal Revision - Concrete Unit Masonry	5	28-Mar-24	04-Apr-24	Submittal Revision - Concrete Unit Masonry																																			
PROC-25910	Revised Submittal submitted - Concrete Unit Masonry	1	04-Apr-24	05-Apr-24	Revised Submittal submitted - Concrete Unit Masonry																																			
PROC-25920	Revised Submittal Reviewed - Concrete Unit Masonry	21	06-Apr-24	26-Apr-24	Revised Submittal Reviewed - Concrete Unit Masonry																																			
PROC-25860	Approve Shop Drawings - Concrete Unit Masonry	1	26-Apr-24	29-Apr-24	Approve Shop Drawings - Concrete Unit Masonry																																			
PROC-25870	Fab & Deliver Material- Concrete Unit Masonry	20	29-Apr-24	28-May-24	Fab & Deliver Material- Concrete Unit Masonry																																			
PROC-25880	Release - Concrete Unit Masonry	0		29-Apr-24	Release - Concrete Unit Masonry																																			
<b>05 METALS</b>					05 METALS																																			
<b>05.1200 STRUCTURAL STEEL</b>					05.1200 STRUCTURAL STEEL																																			
<b>STRUCTURAL STEEL</b>					STRUCTURAL STEEL																																			
PROC-100	Generate Shop Drawings - Structural Steel	20	12-Dec-23	10-Jan-24	Generate Shop Drawings - Structural Steel																																			
PROC-2900	Review Drawings - Structural Steel	21	11-Jan-24	31-Jan-24	Review Drawings - Structural Steel																																			
PROC-11500	Submittal returned with comments - Structural Steel	1	31-Jan-24	01-Feb-24	Submittal returned with comments - Structural Steel																																			
PROC-11800	Submittal Revision - Structural Steel	10	01-Feb-24	15-Feb-24	Submittal Revision - Structural Steel																																			

█ Remaining Level of Effort   
 █ Actual Work   
 █ Critical Remaining Work  
█ Actual Level of Effort   
 █ Remaining Work   
 ◆ Milestone









**County of San Mateo SSF Wellness Center  
Procurement & Construction Schedule**



Activity ID	Activity Name	Original Duration	Start	Finish	2024												2025					2026												
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
PROC-24960	Revised Submittal submitted - FCP	1	05-Apr-24	08-Apr-24																														
PROC-24970	Revised Submittal Reviewed - FCP	21	09-Apr-24	29-Apr-24																														
PROC-24980	Approve Shop Drawings - FCP	1	29-Apr-24	30-Apr-24																														
PROC-24990	Fab & Deliver Material - FCP	120	30-Apr-24	18-Oct-24																														
<b>08 OPENINGS</b>		<b>126</b>	<b>28-Nov-23</b>	<b>28-May-24</b>	<b>08 OPENINGS</b>																													
<b>08.1000 DOORS &amp; FRAMES</b>		<b>126</b>	<b>28-Nov-23</b>	<b>28-May-24</b>	<b>08.1000 DOORS &amp; FRAMES</b>																													
<b>EXTERIOR ENTRANCES AND STOREFRONTS</b>		<b>71</b>	<b>28-Nov-23</b>	<b>11-Mar-24</b>	<b>EXTERIOR ENTRANCES AND STOREFRONTS</b>																													
PROC-21090	Generate Shop Drawings - Exterior Doors	15	28-Nov-23	18-Dec-23																														
PROC-21100	Review Drawings - Exterior Doors	21	19-Dec-23	08-Jan-24																														
PROC-21110	Submittal returned with comments - Exterior Doors	1	08-Jan-24	09-Jan-24																														
PROC-21120	Submittal Revision - Exterior Doors	5	09-Jan-24	17-Jan-24																														
PROC-21130	Revised Submittal submitted - Exterior Doors	1	17-Jan-24	18-Jan-24																														
PROC-21140	Revised Submittal Reviewed - Exterior Doors	21	19-Jan-24	08-Feb-24																														
PROC-21150	Approve Shop Drawings - Exterior Doors	1	08-Feb-24	09-Feb-24																														
PROC-21160	Fab & Deliver Material- Exterior Doors	20	09-Feb-24	11-Mar-24																														
PROC-21170	Release - Exterior Doors	0		09-Feb-24																														
<b>INTERIOR METAL DOORS</b>		<b>73</b>	<b>14-Feb-24</b>	<b>28-May-24</b>	<b>INTERIOR METAL DOORS</b>																													
PROC-26670	Generate Shop Drawings - Interior Metal Doors	15	14-Feb-24	06-Mar-24																														
PROC-26680	Review Drawings - Interior Metal Doors	21	07-Mar-24	27-Mar-24																														
PROC-26720	Submittal returned with comments - Interior Metal Doors	1	27-Mar-24	28-Mar-24																														
PROC-26730	Submittal Revision - Interior Metal Doors	5	28-Mar-24	04-Apr-24																														
PROC-26740	Revised Submittal submitted - Interior Metal Doors	1	04-Apr-24	05-Apr-24																														
PROC-26750	Revised Submittal Reviewed - Interior Metal Doors	21	06-Apr-24	26-Apr-24																														
PROC-26690	Approve Shop Drawings - Interior Metal Doors	1	26-Apr-24	29-Apr-24																														
PROC-26700	Fab & Deliver Material- Interior Metal Doors	20	29-Apr-24	28-May-24																														
PROC-26710	Release - Interior Metal Doors	0		29-Apr-24																														
<b>INTERIOR WOOD DOORS</b>		<b>73</b>	<b>14-Feb-24</b>	<b>28-May-24</b>	<b>INTERIOR WOOD DOORS</b>																													
PROC-26760	Generate Shop Drawings - Interior Wood Doors	15	14-Feb-24	06-Mar-24																														
PROC-26770	Review Drawings - Interior Wood Doors	21	07-Mar-24	27-Mar-24																														
PROC-26810	Submittal returned with comments - Interior Wood Doors	1	27-Mar-24	28-Mar-24																														
PROC-26820	Submittal Revision - Interior Wood Doors	5	28-Mar-24	04-Apr-24																														
PROC-26830	Revised Submittal submitted - Interior Wood Doors	1	04-Apr-24	05-Apr-24																														
PROC-26840	Revised Submittal Reviewed - Interior Wood Doors	21	06-Apr-24	26-Apr-24																														
PROC-26780	Approve Shop Drawings - Interior Wood Doors	1	26-Apr-24	29-Apr-24																														
PROC-26790	Fab & Deliver Material- Interior Wood Doors	20	29-Apr-24	28-May-24																														
PROC-26800	Release - Interior Wood Doors	0		29-Apr-24																														
<b>08.4113 - STOREFRONT DOORS</b>		<b>226</b>	<b>03-Jan-24</b>	<b>20-Nov-24</b>	<b>08.4113 - STOREFRONT DOORS</b>																													
PROC-24680	Generate Shop Drawings - Storefront Doors	45	03-Jan-24	07-Mar-24																														
PROC-24690	Review Drawings - Storefront Doors	21	08-Mar-24	28-Mar-24																														
PROC-24710	Submittal Revision - Storefront Doors	30	28-Mar-24	09-May-24																														
PROC-24720	Revised Submittal submitted - Storefront Doors	1	09-May-24	10-May-24																														
PROC-24730	Revised Submittal Reviewed - Storefront Doors	21	11-May-24	31-May-24																														
PROC-24740	Approve Shop Drawings - Storefront Doors	1	31-May-24	03-Jun-24																														
PROC-24750	Fab & Deliver Material - Storefront Doors	120	03-Jun-24	20-Nov-24																														
<b>08.4229.23 - SLIDING VESTIBULE DOORS</b>		<b>227</b>	<b>03-Jan-24</b>	<b>21-Nov-24</b>	<b>08.4229.23 - SLIDING VESTIBULE DOORS</b>																													
PROC-24840	Generate Shop Drawings - Sliding Doors	45	03-Jan-24	07-Mar-24																														
PROC-24850	Review Drawings - Sliding Doors	21	08-Mar-24	28-Mar-24																														
PROC-24860	Submittal returned with comments - Sliding Doors	1	28-Mar-24	29-Mar-24																														

█ Remaining Level of Effort   
 █ Actual Work   
 █ Critical Remaining Work  
█ Actual Level of Effort   
 █ Remaining Work   
 ◆ Milestone











**County of San Mateo SSF Wellness Center  
Procurement & Construction Schedule**



Activity ID	Activity Name	Original Duration	Start	Finish	2024												2025												2026											
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr							
					ay																																			
<b>SOUND TRAPS</b>					<b>SOUND TRAPS</b>																																			
PROC-1800	Generate Shop Drawings - Sound Traps	60	05-Feb-24	29-Apr-24	Generate Shop Drawings - Sound Traps																																			
PROC-4400	Review Drawings - Sound Traps	21	30-Apr-24	20-May-24	Review Drawings - Sound Traps																																			
PROC-7000	Submittal returned with comments - Sound Traps	1	20-May-24	21-May-24	Submittal returned with comments - Sound Traps																																			
PROC-9300	Submittal Revision - Sound Traps	10	21-May-24	05-Jun-24	Submittal Revision - Sound Traps																																			
PROC-13300	Revised Submittal submitted - Sound Traps	1	05-Jun-24	06-Jun-24	Revised Submittal submitted - Sound Traps																																			
PROC-15100	Revised Submittal Reviewed - Sound Traps	21	07-Jun-24	27-Jun-24	Revised Submittal Reviewed - Sound Traps																																			
PROC-17900	Approve Shop Drawings - Sound Traps	1	27-Jun-24	28-Jun-24	Approve Shop Drawings - Sound Traps																																			
PROC-19700	Fab & Deliver Material - Sound Traps	60	28-Jun-24	24-Sep-24	Fab & Deliver Material - Sound Traps																																			
<b>VFDs</b>					<b>VFDs</b>																																			
PROC-1400	Generate Shop Drawings - Variable Frequency Drives	60	05-Feb-24	29-Apr-24	Generate Shop Drawings - Variable Frequency Drives																																			
PROC-4000	Review Drawings - Variable Frequency Drives	21	30-Apr-24	20-May-24	Review Drawings - Variable Frequency Drives																																			
PROC-6600	Submittal returned with comments - Variable Frequency Drives	1	20-May-24	21-May-24	Submittal returned with comments - Variable Frequency Drives																																			
PROC-8900	Submittal Revision - Variable Frequency Drives	10	21-May-24	05-Jun-24	Submittal Revision - Variable Frequency Drives																																			
PROC-12900	Revised Submittal submitted - Variable Frequency Drives	1	05-Jun-24	06-Jun-24	Revised Submittal submitted - Variable Frequency Drives																																			
PROC-14700	Revised Submittal Reviewed - Variable Frequency Drives	21	07-Jun-24	27-Jun-24	Revised Submittal Reviewed - Variable Frequency Drives																																			
PROC-17500	Approve Shop Drawings - Variable Frequency Drives	1	27-Jun-24	28-Jun-24	Approve Shop Drawings - Variable Frequency Drives																																			
PROC-19300	Fab & Deliver Material - Variable Frequency Drives	70	28-Jun-24	08-Oct-24	Fab & Deliver Material - Variable Frequency Drives																																			
<b>FSDs</b>					<b>FSDs</b>																																			
PROC-23970	Generate Shop Drawings - FSDs	60	05-Feb-24	29-Apr-24	Generate Shop Drawings - FSDs																																			
PROC-23980	Review Drawings - FSDs	21	30-Apr-24	20-May-24	Review Drawings - FSDs																																			
PROC-23990	Submittal returned with comments - FSDs	1	20-May-24	21-May-24	Submittal returned with comments - FSDs																																			
PROC-24000	Submittal Revision - FSDs	5	21-May-24	29-May-24	Submittal Revision - FSDs																																			
PROC-24010	Revised Submittal submitted - FSDs	1	29-May-24	30-May-24	Revised Submittal submitted - FSDs																																			
PROC-24020	Revised Submittal Reviewed - FSDs	21	31-May-24	20-Jun-24	Revised Submittal Reviewed - FSDs																																			
PROC-24030	Approve Shop Drawings - FSDs	1	20-Jun-24	21-Jun-24	Approve Shop Drawings - FSDs																																			
PROC-24040	Fab & Deliver Material- FSDs	30	21-Jun-24	05-Aug-24	Fab & Deliver Material- FSDs																																			
PROC-24050	Release - FSDs	0		21-Jun-24	Release - FSDs																																			
<b>GRDs</b>					<b>GRDs</b>																																			
PROC-22890	Generate Shop Drawings - GRDs	60	05-Feb-24	29-Apr-24	Generate Shop Drawings - GRDs																																			
PROC-22900	Review Drawings - GRDs	21	30-Apr-24	20-May-24	Review Drawings - GRDs																																			
PROC-22910	Submittal returned with comments - GRDs	1	20-May-24	21-May-24	Submittal returned with comments - GRDs																																			
PROC-22920	Submittal Revision - GRDs	5	21-May-24	29-May-24	Submittal Revision - GRDs																																			
PROC-22930	Revised Submittal submitted - GRDs	1	29-May-24	30-May-24	Revised Submittal submitted - GRDs																																			
PROC-22940	Revised Submittal Reviewed - GRDs	21	31-May-24	20-Jun-24	Revised Submittal Reviewed - GRDs																																			
PROC-22950	Approve Shop Drawings - GRDs	1	20-Jun-24	21-Jun-24	Approve Shop Drawings - GRDs																																			
PROC-22960	Fab & Deliver Material - GRDs	25	21-Jun-24	29-Jul-24	Fab & Deliver Material - GRDs																																			
PROC-22970	Release - GRDs	0		21-Jun-24	Release - GRDs																																			
<b>PRADs</b>					<b>PRADs</b>																																			
PROC-400	Generate Shop Drawings - Pressure Relief Access Doors	60	05-Feb-24	29-Apr-24	Generate Shop Drawings - Pressure Relief Access Doors																																			
PROC-3000	Review Drawings - Pressure Relief Access Doors	21	30-Apr-24	20-May-24	Review Drawings - Pressure Relief Access Doors																																			
PROC-5600	Submittal returned with comments - Pressure Relief Access Doors	1	20-May-24	21-May-24	Submittal returned with comments - Pressure Relief Access Doors																																			
PROC-7900	Submittal Revision - Pressure Relief Access Doors	10	21-May-24	05-Jun-24	Submittal Revision - Pressure Relief Access Doors																																			
PROC-11900	Revised Submittal submitted - Pressure Relief Access Doors	1	05-Jun-24	06-Jun-24	Revised Submittal submitted - Pressure Relief Access Doors																																			
PROC-13700	Revised Submittal Reviewed - Pressure Relief Access Doors	21	07-Jun-24	27-Jun-24	Revised Submittal Reviewed - Pressure Relief Access Doors																																			
PROC-16500	Approve Shop Drawings - Pressure Relief Access Doors	1	27-Jun-24	28-Jun-24	Approve Shop Drawings - Pressure Relief Access Doors																																			
PROC-18300	Fab & Deliver Material - Pressure Relief Access Doors	30	28-Jun-24	12-Aug-24	Fab & Deliver Material - Pressure Relief Access Doors																																			
<b>METAL DUCTS</b>					<b>METAL DUCTS</b>																																			

█ Remaining Level of Effort   
 █ Actual Work   
 █ Critical Remaining Work  
█ Actual Level of Effort   
 █ Remaining Work   
 ◆ Milestone











**County of San Mateo SSF Wellness Center  
Procurement & Construction Schedule**



Activity ID	Activity Name	Original Duration	Start	Finish	2024												2025												2026				
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
A1566	VE Selection	10	16-Oct-23 A	05-Feb-24	VE Selection, VE Selection																												
PRECON-1000	County Total Project Budget Review	0	26-Oct-23 A	28-Nov-23	County Total Project Budget Review, County Total Project Budget Review																												
A1532	NTP #2.6 Test Pile Release	1	28-Nov-23	28-Nov-23	NTP #2.6 Test Pile Release																												
PRECON-1200	Full GMP Funding- CoSM Approval	0		01-Feb-24	◆ Full GMP Funding- CoSM Approval																												
PRECON-1400	NTP #3 Funding for BP 1 and 2 - release Trade Partners	0	05-Feb-24		◆ NTP #3 Funding for BP 1 and 2 - release Trade Partners																												
<b>BUDGET DEVELOPMENT</b>		<b>93</b>	<b>12-Sep-23 A</b>	<b>01-Feb-24</b>	▼ BUDGET DEVELOPMENT																												
<b>FGMP</b>		<b>93</b>	<b>12-Sep-23 A</b>	<b>01-Feb-24</b>	▼ FGMP																												
FGMP-1000	XL Develop Draft Construction Cost and Schedule for GMP	28	12-Sep-23 A	12-Dec-23	■ XL Develop Draft Construction Cost and Schedule for GMP, XL Develop Draft Construction Cost and Schedule for GMP																												
FGMP-1002	Select Trade Partner Re-Bid	40	12-Oct-23 A	01-Dec-23	■ Select Trade Partner Re-Bid, Select Trade Partner Re-Bid																												
FGMP-1100	Submit DRAFT GMP -	1	13-Dec-23	13-Dec-23	■ Submit DRAFT GMP -																												
FGMP-1200	County Review with Feedback	15	13-Dec-23	10-Jan-24	■ County Review with Feedback																												
FGMP-1300	GMP Presentation to County	1	13-Dec-23	13-Dec-23	■ GMP Presentation to County																												
FGMP-1400	GMP Finalization	5	11-Jan-24	18-Jan-24	■ GMP Finalization																												
FGMP-1500	Prepare for CoSM Board and approval of GMP	0	19-Jan-24	19-Jan-24	■ Prepare for CoSM Board and approval of GMP																												
FGMP-1600	Final Documents Incorporated into Board Package	10	19-Jan-24	01-Feb-24	■ Final Documents Incorporated into Board Package																												
<b>DESIGN</b>		<b>229</b>	<b>31-Aug-23 A</b>	<b>12-Aug-24</b>	▼ DESIGN																												
<b>CODE VALIDATION &amp; DESIGN</b>		<b>129</b>	<b>06-Feb-24</b>	<b>12-Aug-24</b>	▼ CODE VALIDATION & DESIGN																												
A1568	Design Updates (post VE, Post Peer)	15	06-Feb-24	28-Feb-24	■ Design Updates (post VE, Post Peer)																												
DSN-3200	Update Design Dwgs for Permit Amendment-TI L02, L03 and Tax collector	107	11-Mar-24	12-Aug-24	■ Update Design Dwgs for Permit Amendment-TI L02, L03 and Tax collector revisions to L01																												
<b>TI DESIGN</b>		<b>114</b>	<b>27-Nov-23 A</b>	<b>16-May-24</b>	▼ TI DESIGN																												
DSN-1300	County Review & Approval Schematic Design Documents	10	27-Nov-23 A	08-Dec-23	■ County Review & Approval Schematic Design Documents, County Review & Approval Schematic Design Documents																												
DSN-1302	Design Development	60	11-Dec-23	14-Mar-24	■ Design Development																												
DSN-1304	Construction Documents	45	15-Mar-24	16-May-24	■ Construction Documents																												
<b>TIMBER DESIGN</b>		<b>56</b>	<b>18-Dec-23</b>	<b>15-Mar-24</b>	▼ TIMBER DESIGN																												
DSN-1200	Review & Update CLT/MT Details	11	18-Dec-23	09-Jan-24	■ Review & Update CLT/MT Details																												
DSN-1900	Update Design Dwgs for Permit Amendment	40	10-Jan-24	08-Mar-24	■ Update Design Dwgs for Permit Amendment																												
DSN-3100	County Review and Approve Design Docs- Timber Design	5	11-Mar-24	15-Mar-24	■ County Review and Approve Design Docs- Timber Design																												
<b>PUBLIC ART</b>		<b>133</b>	<b>31-Aug-23 A</b>	<b>25-Mar-24</b>	▼ PUBLIC ART																												
DSN-1100	Public Art Documents Production	60	31-Aug-23 A	07-Feb-24	■ Public Art Documents Production, Public Art Documents Production																												
DSN-1400	Public Art Documents Issuance for Review	1	08-Feb-24	08-Feb-24	■ Public Art Documents Issuance for Review																												
DSN-1500	XL Prepare Budget	5	09-Feb-24	15-Feb-24	■ XL Prepare Budget																												
DSN-1800	CoSM Budget Review	5	20-Feb-24	26-Feb-24	■ CoSM Budget Review																												
DSN-2000	Update Design Dwgs for Permit Amendment	15	27-Feb-24	18-Mar-24	■ Update Design Dwgs for Permit Amendment																												
DSN-2400	County Review and Approve Design Docs- Public Art	5	19-Mar-24	25-Mar-24	■ County Review and Approve Design Docs- Public Art																												
<b>MEP BIM LOD-400</b>		<b>83</b>	<b>05-Feb-24</b>	<b>04-Jun-24</b>	▼ MEP BIM LOD-400																												
DSN-1600	BIM Kickoff	0	05-Feb-24		◆ BIM Kickoff																												
DSN-1700	Submit and Approve Submittals (General MEP)	15	05-Feb-24	27-Feb-24	■ Submit and Approve Submittals (General MEP)																												
DSN-4400	Coordination Complete - Building	0		17-May-24	◆ Coordination Complete - Building																												
DSN-4600	Coordination Complete - Site	0		04-Jun-24	◆ Coordination Complete - Site																												
<b>UNDERGROUND</b>		<b>13</b>	<b>28-Feb-24</b>	<b>15-Mar-24</b>	▼ UNDERGROUND																												
DSN-2100	Model Population-Underground	5	28-Feb-24	05-Mar-24	■ Model Population-Underground																												
DSN-2200	Coordination- Underground	5	06-Mar-24	12-Mar-24	■ Coordination- Underground																												
DSN-2500	Sign off- Underground	3	13-Mar-24	15-Mar-24	■ Sign off- Underground																												
<b>RISERS</b>		<b>13</b>	<b>06-Mar-24</b>	<b>22-Mar-24</b>	▼ RISERS																												
DSN-2300	Model Population-Risers	5	06-Mar-24	12-Mar-24	■ Model Population-Risers																												
DSN-2600	Coordination- Risers	5	13-Mar-24	19-Mar-24	■ Coordination- Risers																												
DSN-2800	Sign off- Risers	3	20-Mar-24	22-Mar-24	■ Sign off- Risers																												

■ Remaining Level of Effort   
 ■ Actual Work   
 ■ Critical Remaining Work  
■ Actual Level of Effort   
 ■ Remaining Work   
 ◆ Milestone

**County of San Mateo SSF Wellness Center  
Procurement & Construction Schedule**



Activity ID	Activity Name	Original Duration	Start	Finish	2024												2025												2026					
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
<b>L1 MOB</b>					▼ L1 MOB																													
DSN-2700	Model Population-L1 MOB	10	13-Mar-24	26-Mar-24	■ Model Population-L1 MOB																													
DSN-2900	Coordination- L1 MOB	10	27-Mar-24	09-Apr-24	■ Coordination- L1 MOB																													
DSN-3300	Sign off- L1 MOB	3	10-Apr-24	12-Apr-24	■ Sign off- L1 MOB																													
<b>L2</b>					▼ L2																													
DSN-3000	Model Population-L2	10	27-Mar-24	09-Apr-24	■ Model Population-L2																													
DSN-3400	Coordination- L2	8	10-Apr-24	19-Apr-24	■ Coordination- L2																													
DSN-3600	Sign off- L2	3	22-Apr-24	24-Apr-24	■ Sign off- L2																													
<b>L3</b>					▼ L3																													
DSN-3500	Model Population-L3	10	10-Apr-24	23-Apr-24	■ Model Population-L3																													
DSN-3700	Coordination- L3	10	24-Apr-24	07-May-24	■ Coordination- L3																													
DSN-4100	Sign off- L3	3	08-May-24	10-May-24	■ Sign off- L3																													
<b>ROOF EQUIPMENT</b>					▼ ROOF EQUIPMENT																													
DSN-3800	Model Population-Roof Equipment	5	24-Apr-24	30-Apr-24	■ Model Population-Roof Equipment																													
DSN-3900	Coordination- Roof Equipment	10	01-May-24	14-May-24	■ Coordination- Roof Equipment																													
DSN-4200	Sign off- Roof Equipment	3	15-May-24	17-May-24	■ Sign off- Roof Equipment																													
<b>ELECTRICAL YARD &amp; SITE/PV</b>					▼ ELECTRICAL YARD & SITE/PV																													
DSN-4000	Model Population-Electrical Yard & Site/PV	10	01-May-24	14-May-24	■ Model Population-Electrical Yard & Site/PV																													
DSN-4300	Coordination- Electrical Yard & Site/PV	8	15-May-24	28-May-24	■ Coordination- Electrical Yard & Site/PV																													
DSN-4500	Sign off- Electrical Yard & Site/PV	5	29-May-24	04-Jun-24	■ Sign off- Electrical Yard & Site/PV																													
<b>PERMITTING</b>					▶ PERMITTING																													
<b>BUILDING PERMIT</b>					▶ BUILDING PERMIT																													
A1524	Response to Comments #2 and resubmit	15	28-Nov-23	18-Dec-23	■ Response to Comments #2 and resubmit																													
A1526	AHJ Review #3	5	19-Dec-23	02-Jan-24	■ AHJ Review #3																													
A1528	TI Permit Review & Approve	30	17-May-24	01-Jul-24	■ TI Permit Review & Approve																													
<b>TEMP TRAILER PERMIT</b>					▶ TEMP TRAILER PERMIT																													
A1414	Temp Office Trailers Permit (TENANT RELOCATION)	10	01-Feb-24	14-Feb-24	■ Temp Office Trailers Permit (TENANT RELOCATION)																													
<b>TREE REMOVAL PERMIT</b>					▶ TREE REMOVAL PERMIT																													
A1516	Tree Removal Permit	1	03-Jan-24	03-Jan-24	■ Tree Removal Permit																													
<b>PUBLIC ART PERMIT</b>					▶ PUBLIC ART PERMIT																													
A416	Public Art Permit	30	26-Mar-24	06-May-24	■ Public Art Permit																													
<b>TRADE PARTNER PROCUREMENT</b>					▶ TRADE PARTNER PROCUREMENT																													
<b>BID PACKAGE #1 -</b>					▶ BID PACKAGE #1 -																													
<b>TIMBER</b>					▶ TIMBER																													
BID1-1500	Level Bids Timber	5	27-Nov-23 A	04-Dec-23	■ Level Bids Timber, Level Bids Timber																													
BID1-1600	County Review & Approve Timber	5	05-Dec-23	11-Dec-23	■ County Review & Approve Timber																													
BID1-1700	Protest Period	3	12-Dec-23	14-Dec-23	■ Protest Period																													
BID1-1900	Issue Subcontract Mass Timber	1	15-Dec-23	15-Dec-23	■ Issue Subcontract Mass Timber																													
<b>STEEL/BRB</b>					▶ STEEL/BRB																													
A1546	Issue Contract award to Structural Steel Trade Partner	10	07-Nov-23 A	11-Dec-23	■ Issue Contract award to Structural Steel Trade Partner, Issue Contract award to Structural Steel Trade Partner																													
<b>CONCRETE</b>					▶ CONCRETE																													
BID1-1904	Level Bids Concrete	5	28-Nov-23	04-Dec-23	■ Level Bids Concrete																													
BID1-1906	County Review & Approve for Board Package and GMP Concrete	5	05-Dec-23	11-Dec-23	■ County Review & Approve for Board Package and GMP Concrete																													
BID1-1908	Protest Period concrete	3	12-Dec-23	14-Dec-23	■ Protest Period concrete																													
BID1-1910	Issue Subcontract concrete	1	15-Dec-23	15-Dec-23	■ Issue Subcontract concrete																													
<b>FACADE</b>					▶ FACADE																													
BID2-1308	Design Development Collaboration	20	09-Nov-23 A	02-Jan-24	■ Design Development Collaboration, Design Development Collaboration																													

■ Remaining Level of Effort   
 ■ Actual Work   
 ■ Critical Remaining Work  
■ Actual Level of Effort   
 ■ Remaining Work   
 ◆ ◆ Milestone

**County of San Mateo SSF Wellness Center  
Procurement & Construction Schedule**



Activity ID	Activity Name	Original Duration	Start	Finish	2024												2025												2026											
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May						
<b>BID PACKAGE #2 - MEP</b>					BID PACKAGE #2 - MEP																																			
BID2-1800	Protest Period	4	28-Nov-23 A	01-Dec-23	Protest Period, Protest Period																																			
BID2-1900	Issue Notice of Intent to Award to Successful Bidder BP#2	1	04-Dec-23	04-Dec-23	Issue Notice of Intent to Award to Successful Bidder BP#2																																			
BID2-2000	Issue Subcontract Bid package #2 MEP	1	02-Feb-24	02-Feb-24	Issue Subcontract Bid package #2 MEP																																			
<b>BID PACKAGE #3 - TRADE BUYOUT OF EXISTING FGMP</b>					BID PACKAGE #3 - TRADE BUYOUT OF EXISTING FGMP																																			
BID3-1200	Issue Subcontracts Bid package 3 Balance of Trades	10	31-Jan-24	13-Feb-24	Issue Subcontracts Bid package 3 Balance of Trades																																			
<b>MAKE READY WORK</b>					MAKE READY WORK																																			
<b>VOIP UPGRADE</b>					VOIP UPGRADE																																			
<b>1050 MISSION</b>					1050 MISSION																																			
VOIP-1100	QoS 1050 Mission	8	30-Oct-23 A	07-Dec-23	QoS 1050 Mission, QoS 1050 Mission																																			
VOIP-1200	Network Assessment 1050 Mission	3	08-Dec-23	12-Dec-23	Network Assessment 1050 Mission																																			
VOIP-1300	Go Live 1050 Mission	8	13-Dec-23	22-Dec-23	Go Live 1050 Mission																																			
<b>TEMP OCCUPANT TRAILERS</b>					TEMP OCCUPANT TRAILERS																																			
OCC-1000	Contract, Procure trades	20	27-Oct-23 A	30-Nov-23	Contract, Procure trades, Contract, Procure trades																																			
OCC-1200	mobile modular fab and build out (off site in Livermore) (email 11/13)	35	15-Nov-23 A	24-Jan-24	mobile modular fab and build out (off site in Livermore) (email 11/13), mobile modular fab and build out (off site in Livermore) (email 11/13)																																			
A1552	Utility infrastructure to Temp trailers, power, data, sewer, water prep	40	28-Nov-23	31-Jan-24	Utility infrastructure to Temp trailers, power, data, sewer, water prep																																			
OCC-1302	Prep site for ADA compliance, concrete, asphalt, tree trimming, Deck	20	01-Dec-23	05-Jan-24	Prep site for ADA compliance, concrete, asphalt, tree trimming, Deck																																			
OCC-1300	Trailers are Available	0	25-Jan-24		Trailers are Available																																			
OCC-1500	Deliver and Set trailers	10	25-Jan-24	07-Feb-24	Deliver and Set trailers																																			
OCC-1400	Trailer final connections Water, , Sewer, power	5	01-Feb-24	07-Feb-24	Trailer final connections Water, , Sewer, power																																			
OCC-1402	County fit up, IT	5	08-Feb-24	14-Feb-24	County fit up, IT																																			
OCC-1600	Move Occupants out of Existing Building and into Temp Space includes fu	15	15-Feb-24	08-Mar-24	Move Occupants out of Existing Building and into Temp Space includes furniture _ must finish by 02/26/24																																			
<b>TEST DDC</b>					TEST DDC																																			
A786	Test Program Submittals, DDC Design Package	20	29-Nov-23	03-Jan-24	Test Program Submittals, DDC Design Package																																			
A788	Design Team Review (Smith Group/Engeo/Buehler	10	04-Jan-24	18-Jan-24	Design Team Review (Smith Group/Engeo/Buehler																																			
A784	Mobilize DDC test Equipment	3	19-Jan-24	23-Jan-24	Mobilize DDC test Equipment																																			
A778	Install DDC test arrays	0	24-Jan-24	24-Jan-24	Install DDC test arrays																																			
A780	Cure test DDC	7	24-Jan-24	01-Feb-24	Cure test DDC																																			
A782	Test and results	20	02-Feb-24	04-Mar-24	Test and results																																			
<b>PG&amp;E</b>					PG&E																																			
<b>NEW BUSINESS ELECTRIC (APPLICANT DESIGN)</b>					NEW BUSINESS ELECTRIC (APPLICANT DESIGN)																																			
PGE-1400	2nd Submittal Elec/1st Submittal JT Composite (Vizion)	10	28-Nov-23	11-Dec-23	2nd Submittal Elec/1st Submittal JT Composite (Vizion)																																			
PGE-1500	2nd Review Elec Design + Approval/1st Review JT Comp Comments (PG&	20	12-Dec-23	17-Jan-24	2nd Review Elec Design + Approval/1st Review JT Comp Comments (PG&E)																																			
PGE-1600	2nd Submittal JT Composite (Vizion)	5	18-Jan-24	24-Jan-24	2nd Submittal JT Composite (Vizion)																																			
PGE-1700	2nd Review JT Composite + Approval (PG&E)	10	25-Jan-24	07-Feb-24	2nd Review JT Composite + Approval (PG&E)																																			
PGE-1900	Pricing/Contracts Issued	60	08-Feb-24	03-May-24	Pricing/Contracts Issued																																			
PGE-2200	Contract Payment	10	06-May-24	17-May-24	Contract Payment																																			
PGE-2300	PGE Schedule Work	40	20-May-24	18-Jul-24	PGE Schedule Work																																			
PGE-2400	PG&E Work Begins	80	19-Jul-24	11-Nov-24	PG&E Work Begins																																			
PGE-2500	PG&E Construction Completion	5	12-Nov-24	18-Nov-24	PG&E Construction Completion																																			
PGE-2600	Energize PG&E Meter	5	02-Jun-25	09-Jun-25	Energize PG&E Meter																																			
<b>EXISTING ELECTRIC AND GAS DEMO (PG&amp;E DESIGN)</b>					EXISTING ELECTRIC AND GAS DEMO (PG&E DESIGN)																																			
PGE-1000	PG&E Work Begins (on hold)	40	23-May-23 A	21-Dec-23	PG&E Work Begins (on hold), PG&E Work Begins (on hold)																																			
PGE-2000	PG&E Construction Completion Demo	5	12-Mar-24	18-Mar-24	PG&E Construction Completion Demo																																			
<b>TEMP POWER</b>					TEMP POWER																																			
PGE-1100	Over the counter permit (city) (includes prep time) (on hold)	30	20-Jun-23 A	03-Jan-24	Over the counter permit (city) (includes prep time) (on hold), Over the counter permit (city) (includes prep time) (on hold)																																			
PGE-1300	Install Temp Power skid with meter (includes procurement time)	50	04-Jan-24	18-Mar-24	Install Temp Power skid with meter (includes procurement time)																																			

█ Remaining Level of Effort   
 █ Actual Work   
 █ Critical Remaining Work  
█ Actual Level of Effort   
 █ Remaining Work   
 ◆ Milestone















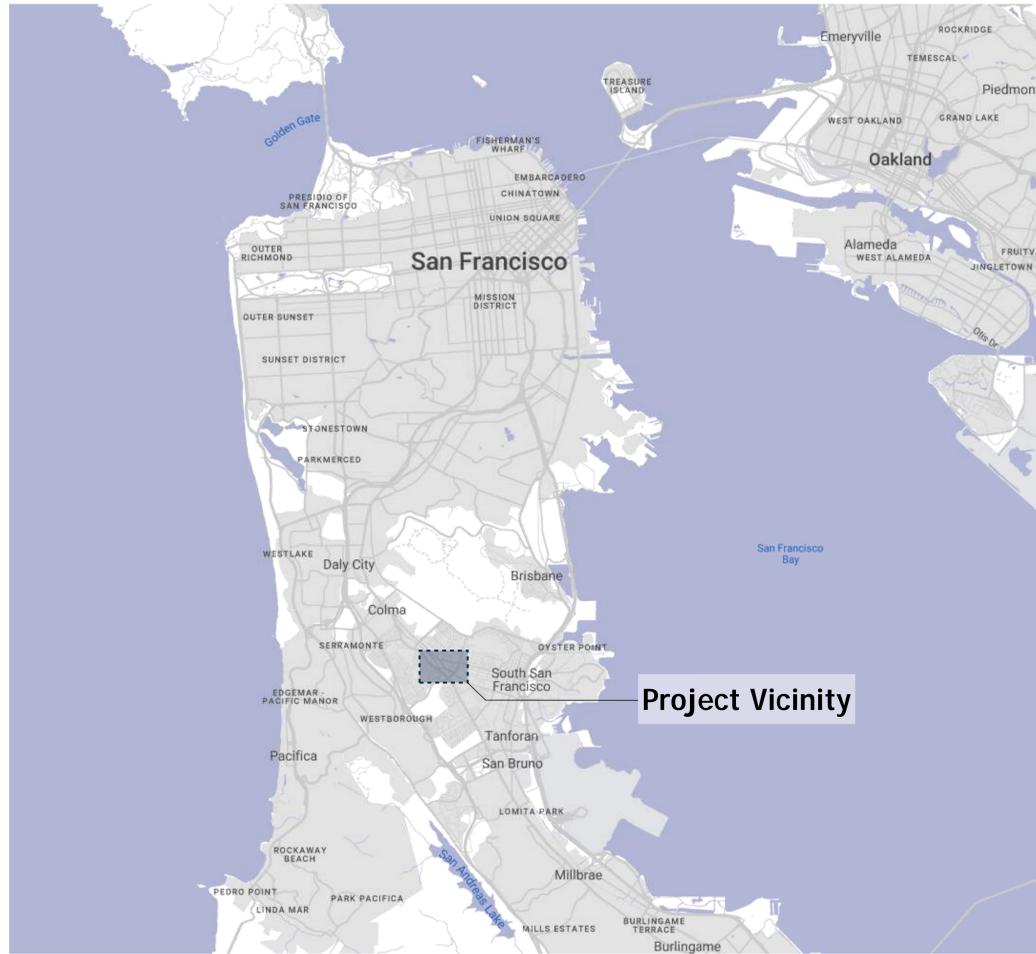








## 8 - Site Logistics Plan



**Vicinity Map**



**Location Map**

**SITE LOGISTICS PLAN**

**SITE LOGISTICS**

**SOUTH SAN FRANCISCO WELLNESS CENTER  
County of San Mateo Project No. BLD2020-00000**

**SAN MATEO COUNTY HEALTH**

**XL CONSTRUCTION - CONTRACTOR**

**TABLE OF CONTENTS**

- XL01. Cover Sheet**
- XL02. Hauling Route**
- XL03. Phase 1 - Site Isolation and Preparation**
- XL04. Phase 2 - Demolition**
- XL05. Phase 3 - Excavation and Grading**
- XL06. Phase 4 - Foundations**
- XL07. Phase 5 - Superstructure Sequence**
- XL08. Phase 6 - Facade Sequence**



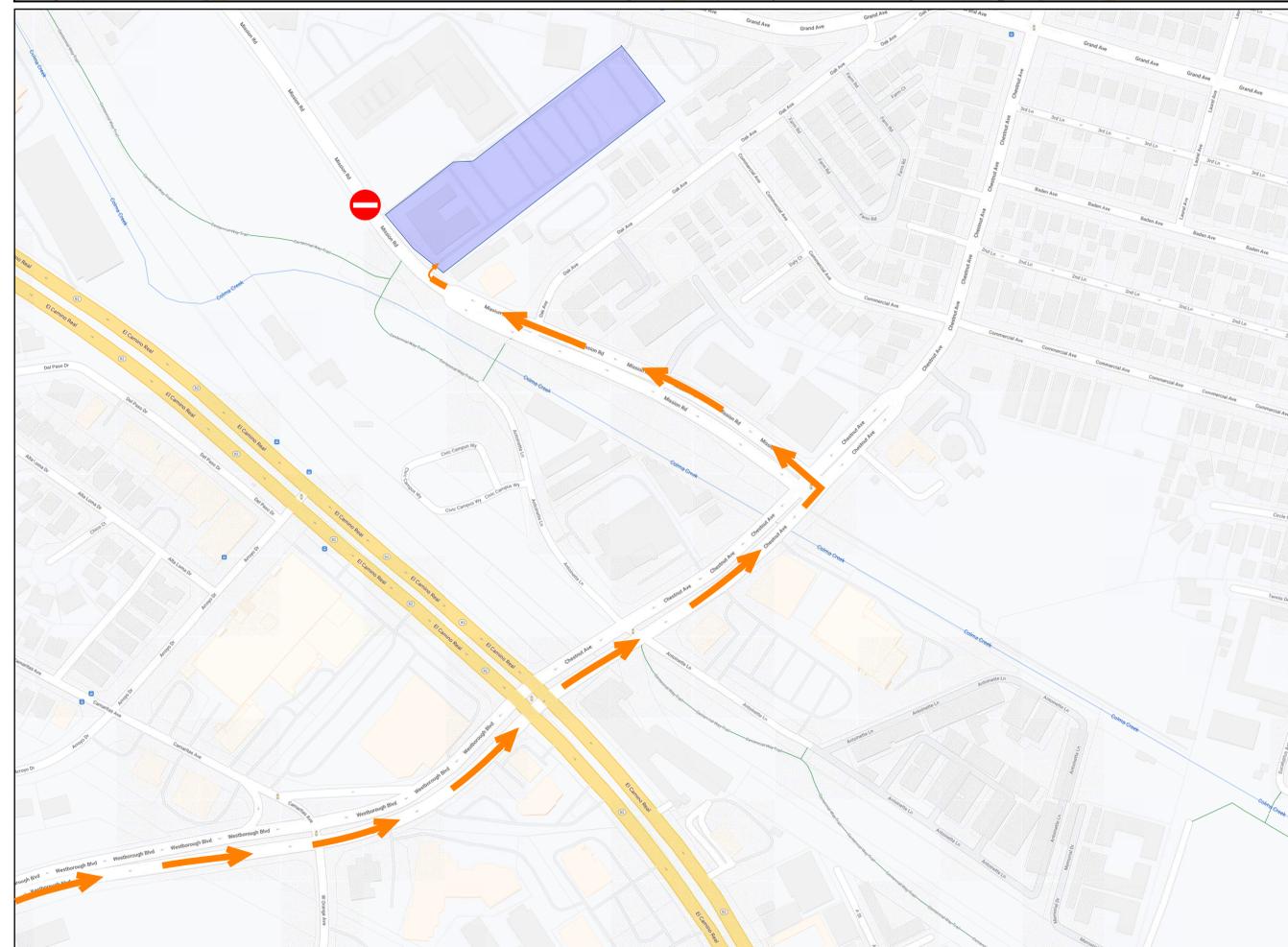
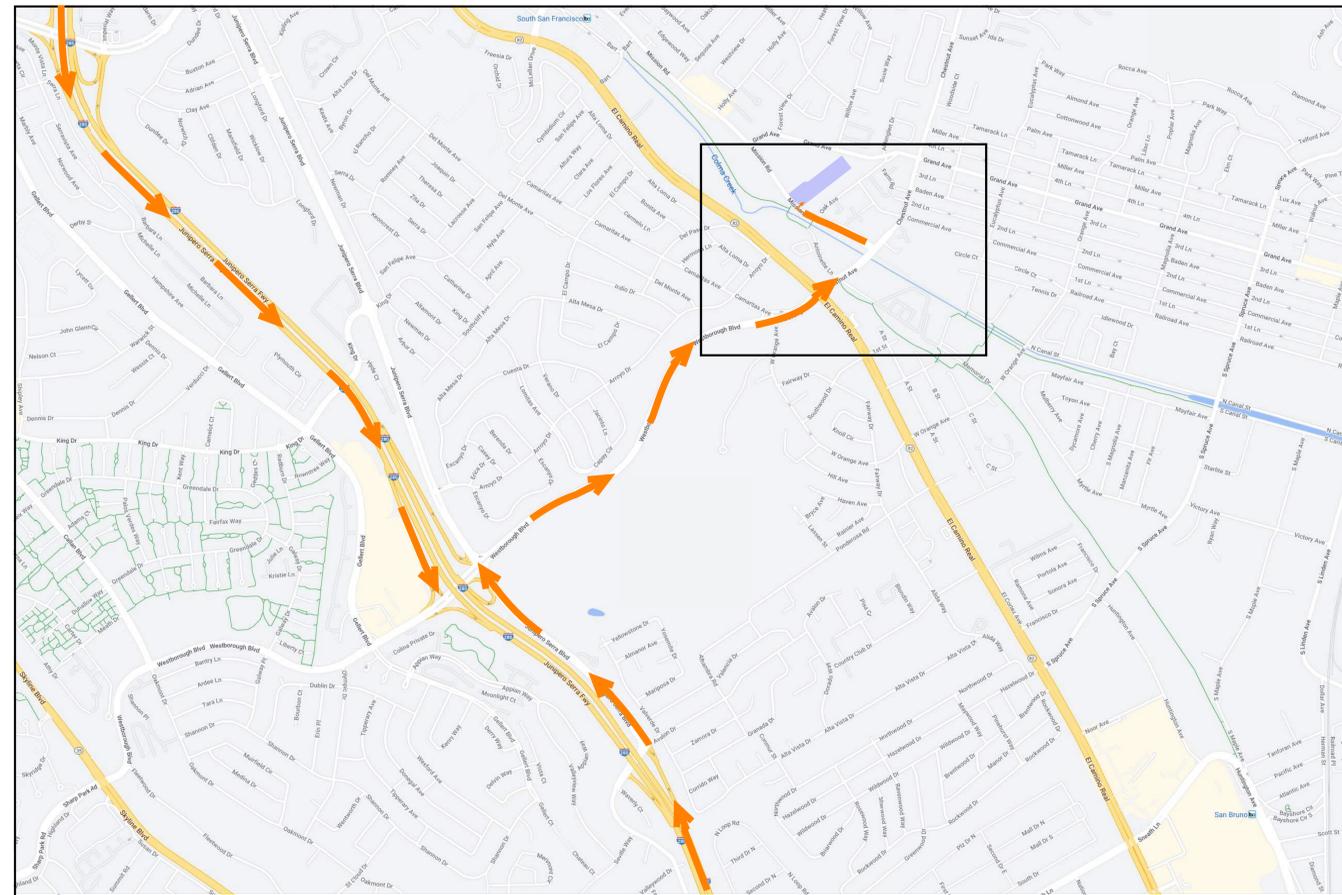
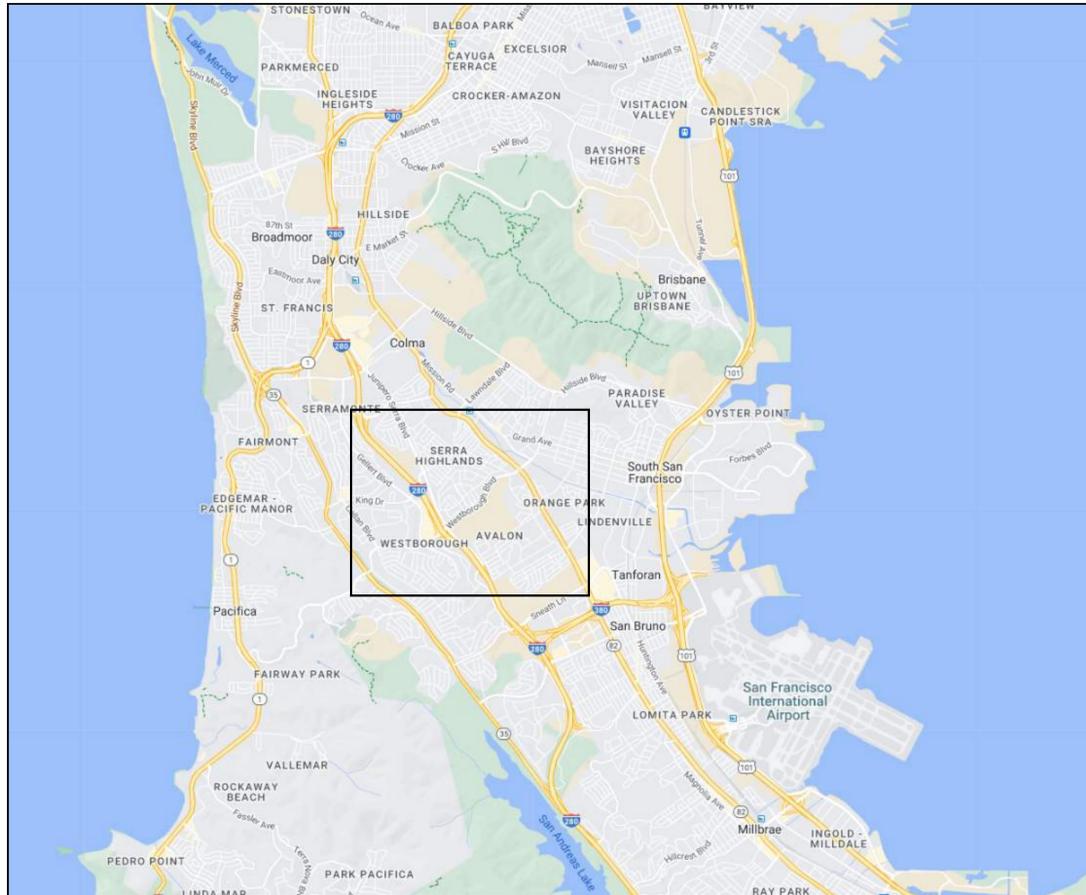
**CONSTRUCTION**

851 Buckeye Ct  
Milpitas, CA 95035  
(408)240-0600  
1810 13th St. #110  
Sacramento, CA 95811  
(916)282-2900

[www.xlconstruction.com](http://www.xlconstruction.com)



PROJECT NUMBER		
DATE		
REVISIONS		
NO	DESCRIPTION	DATE



**URGENT CARE**

Concentra Medical Centers Occupational Medicine Clinic  
 3 S Linden Ave South San Francisco, CA 94080  
 415-297-4044, 650-238-1500

**HOSPITAL**

Seton Medical Center Hospital: Acute Care Hospital  
 1900 Sullivan Ave Daly City, CA 94015  
 650-992-4000

PROJECT NUMBER	DATE		
REVISIONS	NO	DESCRIPTION	DATE

# Initial site isolation

January to February 2024

**Major activities-**  
Fencing- work area isolation  
Construction Trailers  
Signage  
Abatement  
Parking prep for Courthouse parking.

**XL**  
CONSTRUCTION  
851 Buckeye Ct  
Milpitas, CA 95035  
(408)240-0600  
1810 13th St. #110  
Sacramento, CA 95811  
(916)282-2900  
www.xlconstruction.com



PROJECT NUMBER	DATE		
REVISIONS	NO	DESCRIPTION	DATE

**Demo Phase**  
February to March 2024

**Major activities-**  
Public wayfinding  
Building demo  
Parking planter demo infill

**XL**  
CONSTRUCTION  
851 Buckeye Ct  
Milpitas, CA 95035  
(408)240-0600  
1810 13th St. #110  
Sacramento, CA 95811  
(916)282-2900  
www.xlconstruction.com

**SAN MATEO**  
COUNTY HEALTH  
All together better.



PROJECT NUMBER	DATE		
REVISIONS	NO	DESCRIPTION	DATE

# Soil Improvement/Deep Excavation

April to May 2024

**Major activities-**  
Grading  
DDC  
Deep Excavation  
Deep Footings

**XL**  
CONSTRUCTION, INC.  
851 Buckeye Ct  
Milpitas, CA 95035  
(408)240-0600  
1810 13th St. #110  
Sacramento, CA 95811  
(916)282-2900  
www.xlconstruction.com

**SAN MATEO COUNTY HEALTH**  
All together better.



PROJECT NUMBER	DATE		
REVISIONS	NO	DESCRIPTION	DATE

# Foundations/Structure

May 2024 to January 2025

Major activities-  
Foundations  
Below slab utilites  
Slab on Grade  
Structural Steel  
Timber

**XL**  
CONSTRUCTION  
851 Buckeye Ct  
Milpitas, CA 95035  
(408)240-0600  
1810 13th St. #110  
Sacramento, CA 95811  
(916)282-2900  
www.xlconstruction.com

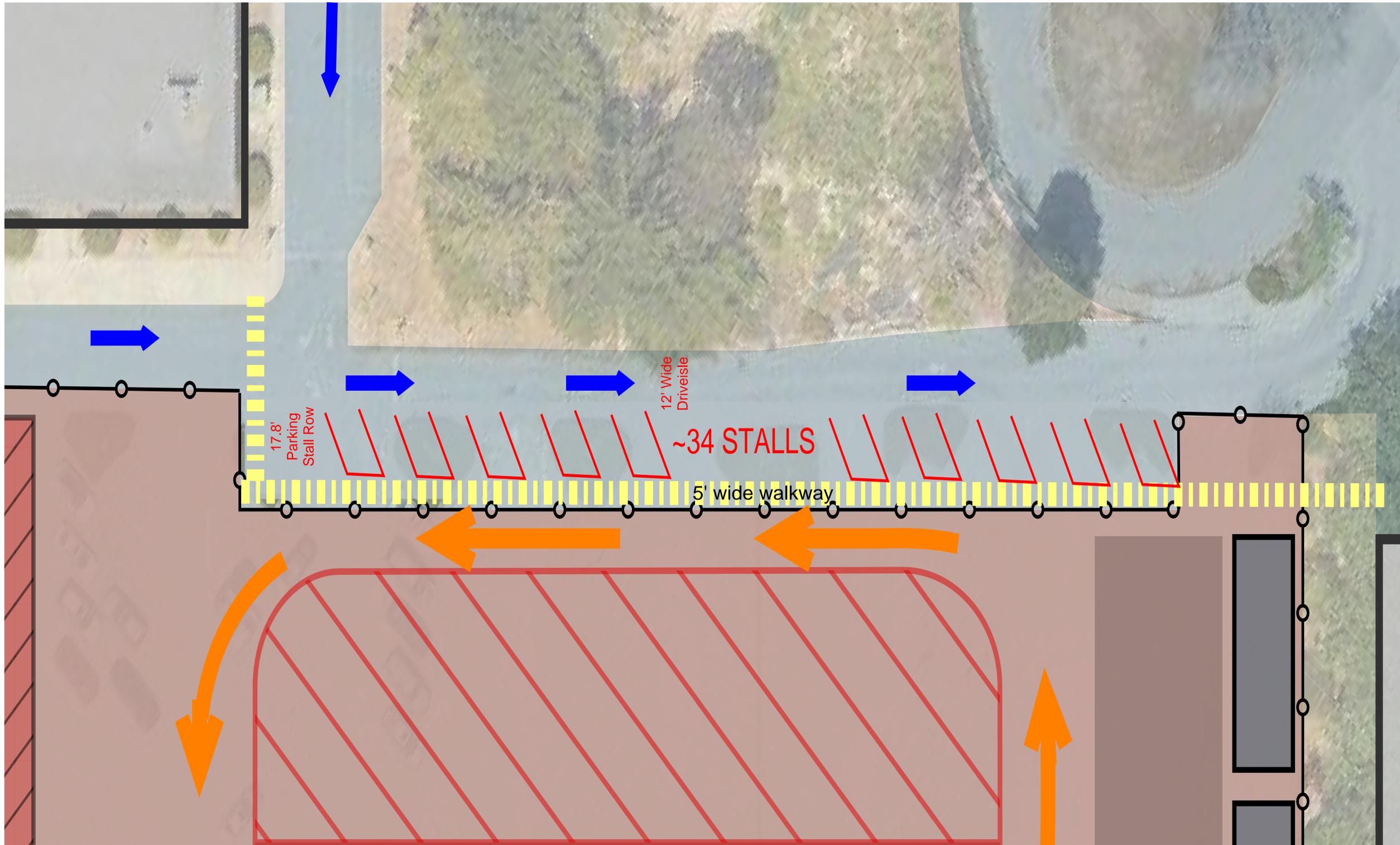
**SAN MATEO COUNTY HEALTH**  
All together better.



PROJECT NUMBER	DATE		
REVISIONS	NO	DESCRIPTION	DATE

# Temporary Parking Plan

January 2024 to January 2025



PROJECT NUMBER		
DATE		
REVISIONS		
NO	DESCRIPTION	DATE

# Work Flow

## Major activities-

Timber erection-

Activities within building footprint-

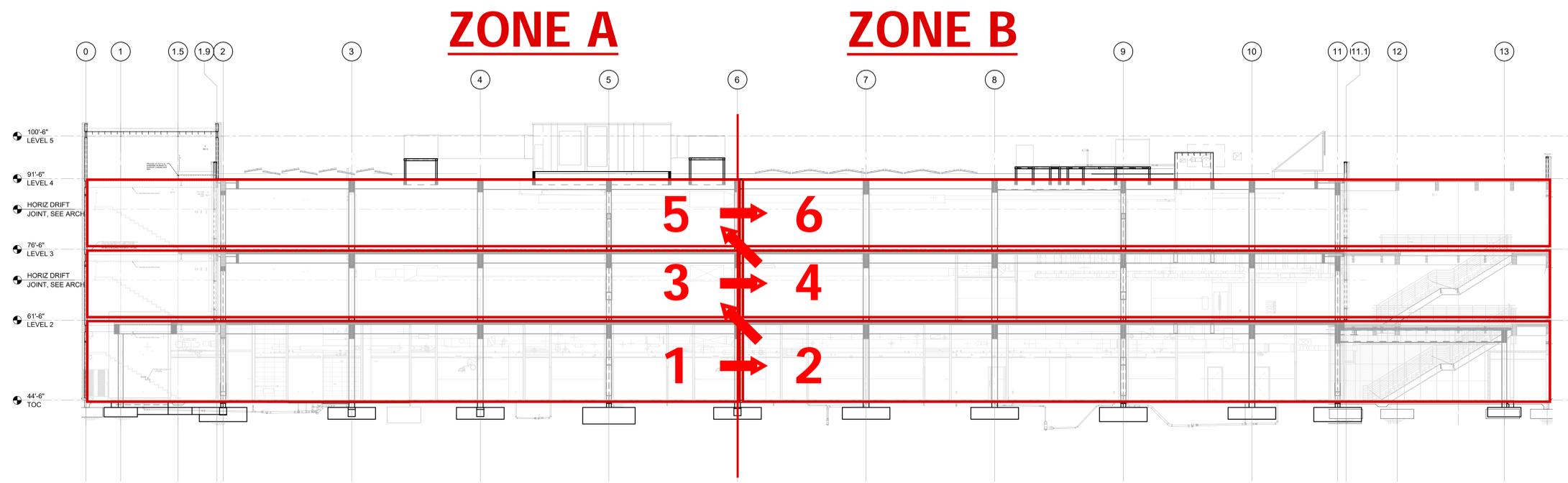


CONSTRUCTION

851 Buckeye Ct  
Milpitas, CA 95035  
(408)240-0600  
1810 13th St. #110  
Sacramento, CA 95811  
(916)282-2900  
www.xlconstruction.com



SAN MATEO COUNTY HEALTH  
All together better.



<-- MISSION ROAD

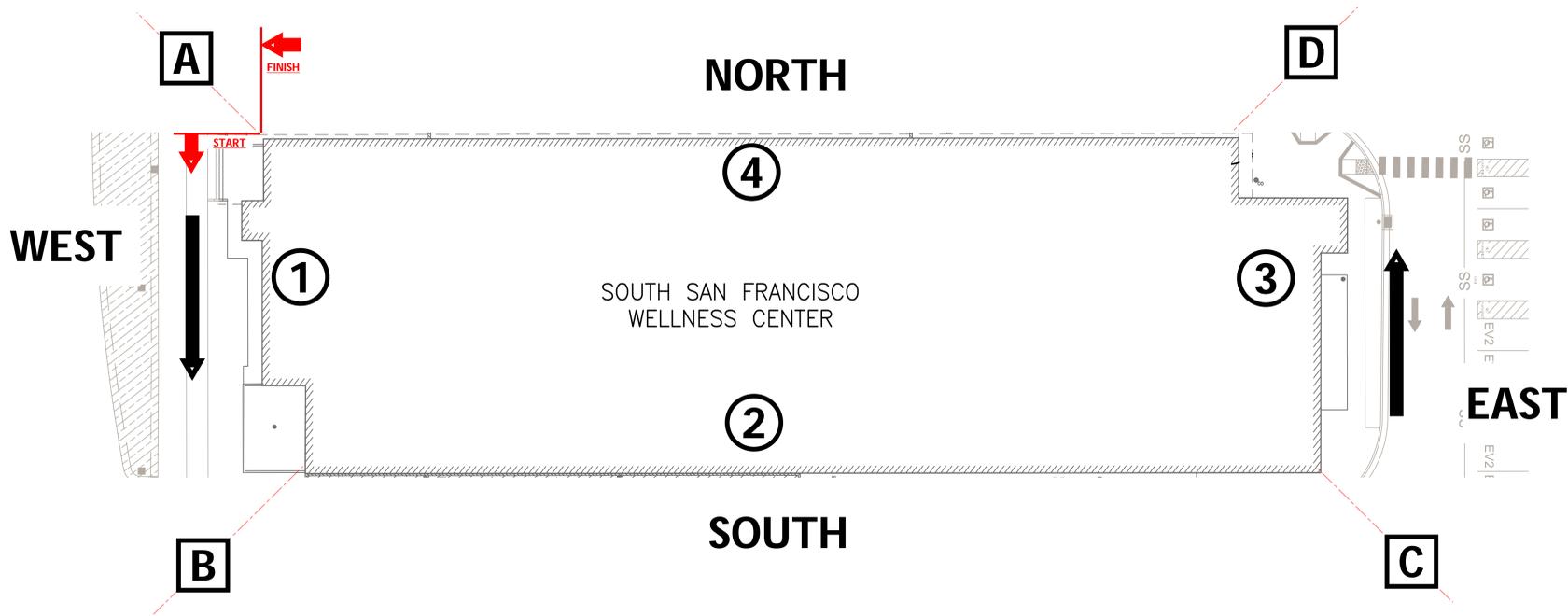
WEST  
PARKING LOT -->

## GENERAL WORKFLOW AND ERECTION SEQUENCE

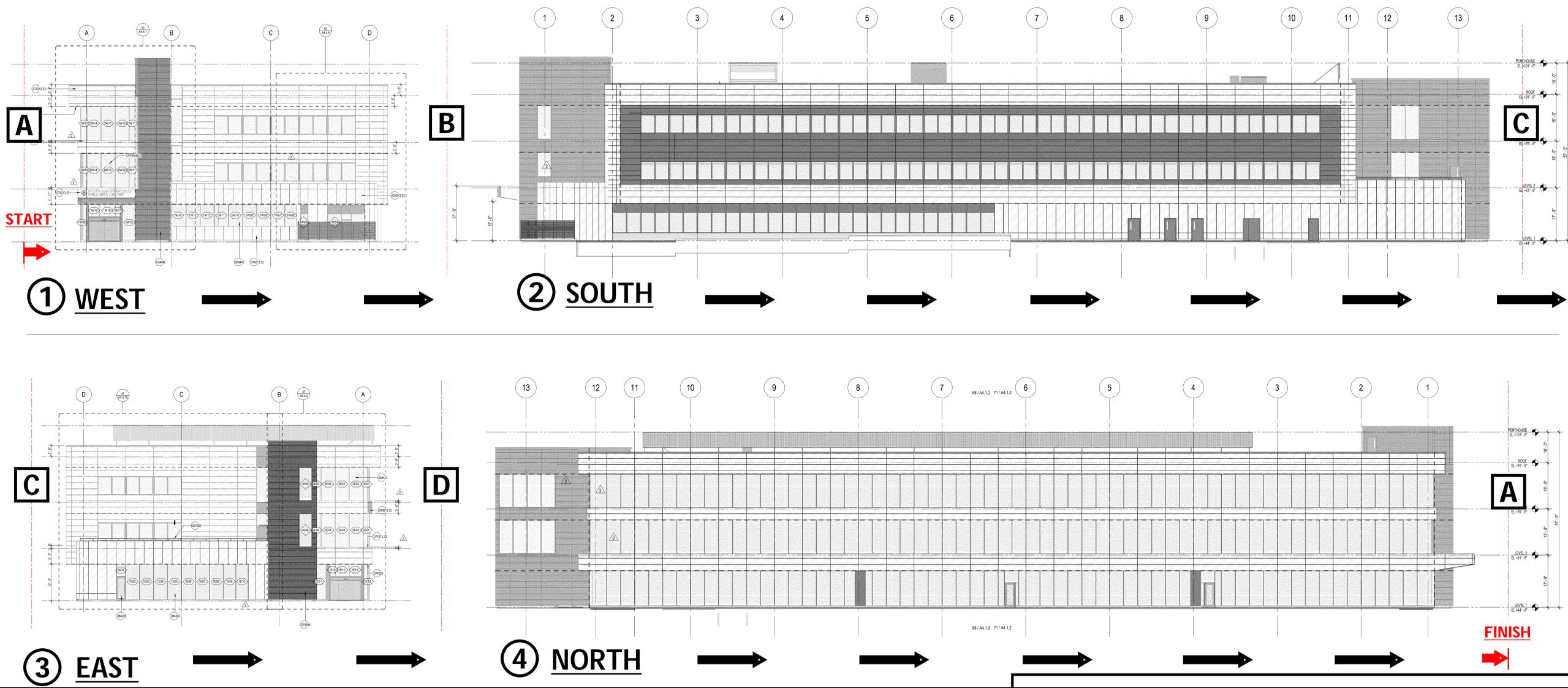
PROJECT NUMBER	DATE		
REVISIONS	NO	DESCRIPTION	DATE

**Initial site isolation**  
January to February 2024

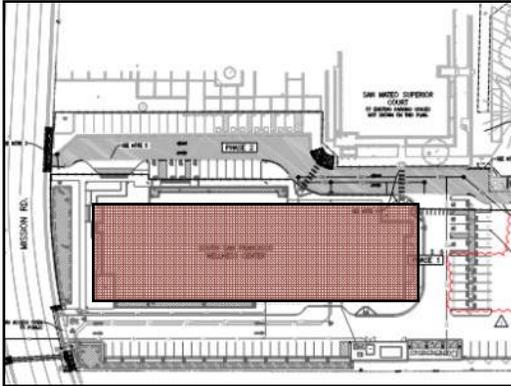
**Major activities-**  
Fencing- work area isolation  
Construction Trailers  
Signage  
Abatement  
Parking prep for Courthouse parking.



**FACADE SEQUENCE:**  
WEST → SOUTH → EAST → NORTH  
Start at the NW corner,  
work counter-clockwise,  
complete the level before  
moving to next level

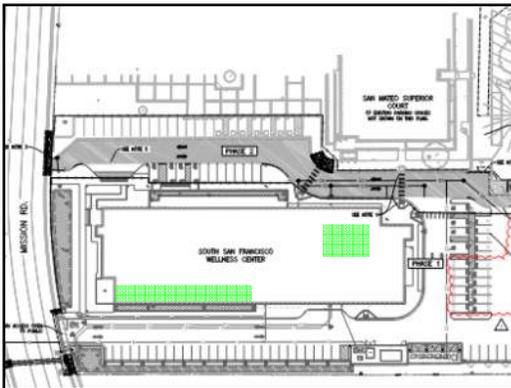


PROJECT NUMBER		
DATE		
REVISIONS		
NO	DESCRIPTION	DATE



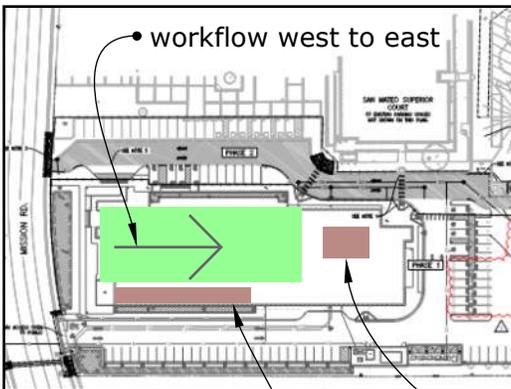
**Grading Contractor-**

Pre-compact, level existing grade, no off haul. Pad elevation will be dependent on existing grade. Purpose of this grading phase is to prep soil at the extent of building footprint for DDC installer. Current understanding is that grade under existing building and demoed asphalt area will level out at 43'6". This activity is in our schedule as A38 with a duration of 5 days.



**Soil Improvement Contractor**

Deep DDC's are to be installed before production DDC's. Once deep DDC's are installed the drill rigs will move away from early DDC areas shown in green. To allow for deep excavations.



**Soil Improvement Contractor**

**Grading Contractor-**

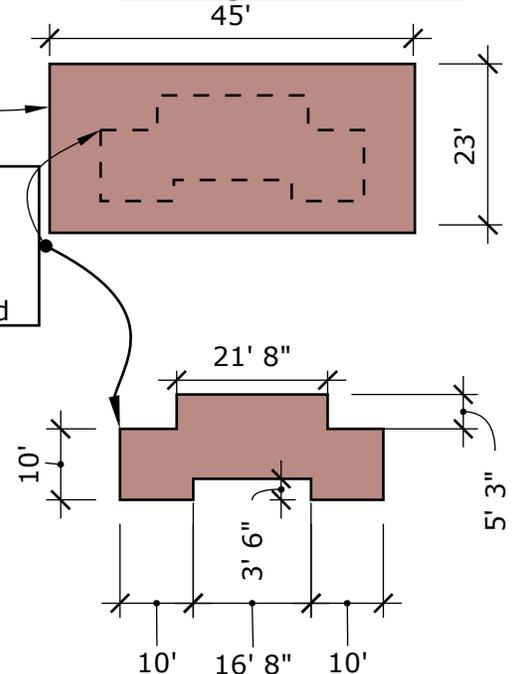
DDC install to move away from deep DDC areas. Production DDC general workflow is to start at East and work towards west. Grading contractor will bench and excavate deep footings and install load transfer pads

South footings continued next page

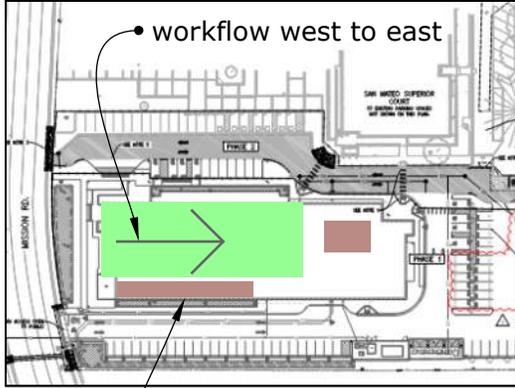
Elevator area excavate bench at 38'6" elevation  
45'x23'x4'6"=173 yards

Neat cut Elevator footings cut from 38'6 to elevation 35' total of 55 additional yards.  
Install 12" load transfer pad

**Grading Contractor-**



Work plan for Grading, soil improvement, footings coordination- post demo

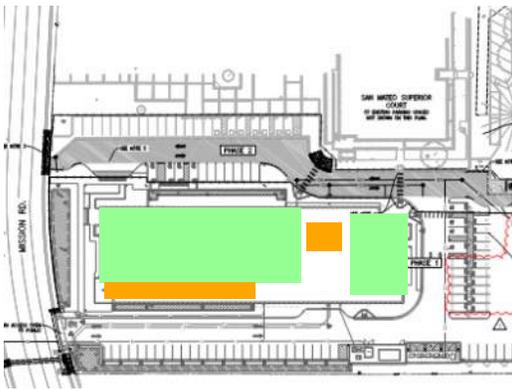
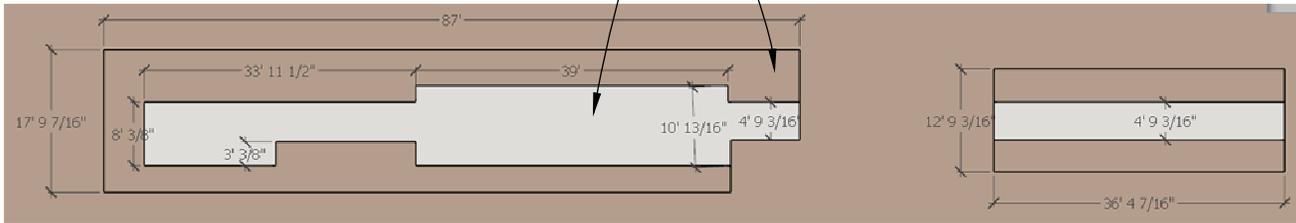


**Soil Improvement Contractor**

Continue production during deep ex and footings.

**Grading Contractor-**

- Neat cut footings and over ex for LTP to 36' 6"
- Bench from 43' to 40' 6"

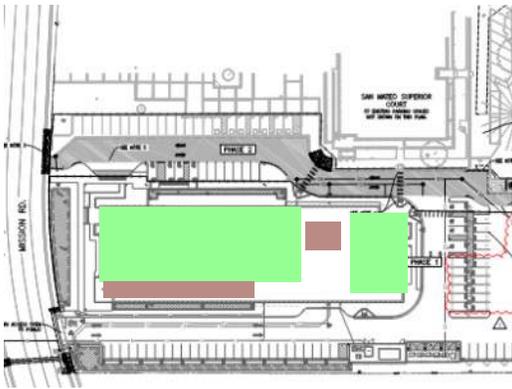


**Soil Improvement Contractor**

Continue production during deep ex and footings.

**Concrete Contractor-**

install deep footings



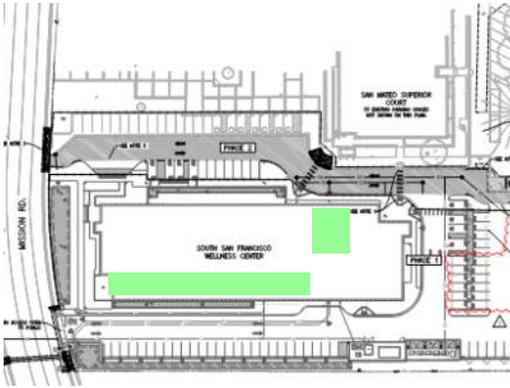
**Soil Improvement Contractor**

Continue production during deep ex and footings.

**Grading Contractor-**

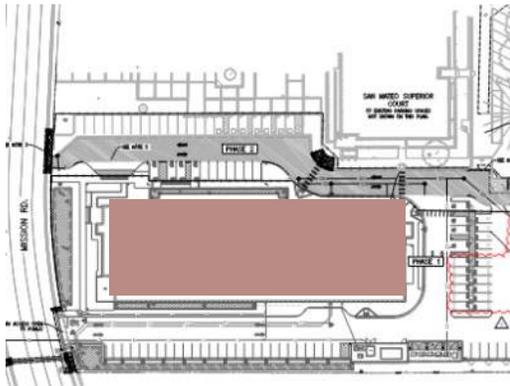
Backfill deep ex areas after footings, use spoils from DDC production for backfill. approx. 388 yards.

Work plan for Grading, soil improvement, footings coordination- post demo



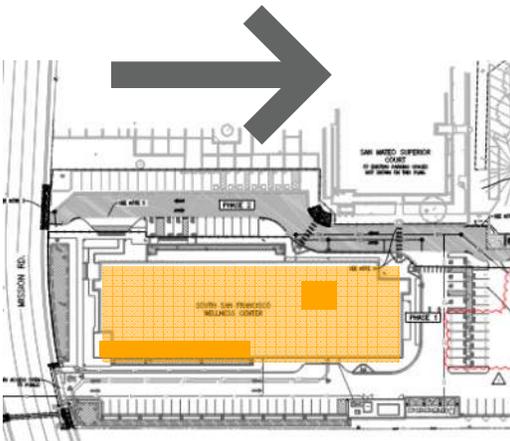
**Soil Improvement Contractor**

Install sog DDC's adjacent to deep ex areas. Demob.



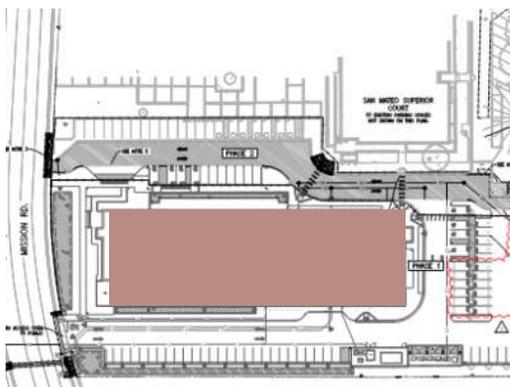
**Grading Contractor-**

Certify pad at 43' elevation



**Concrete Contractor-**

Install shallow footings working from West to East. Underslab Electrical, plumbing to follow workflow. Concrete contractor to neat cut shallow footings, over ex 12" and install LTP under each footing.



**Grading Contractor-**

Install LTP and Capillary break about 13 inches of drain rock under SOG.

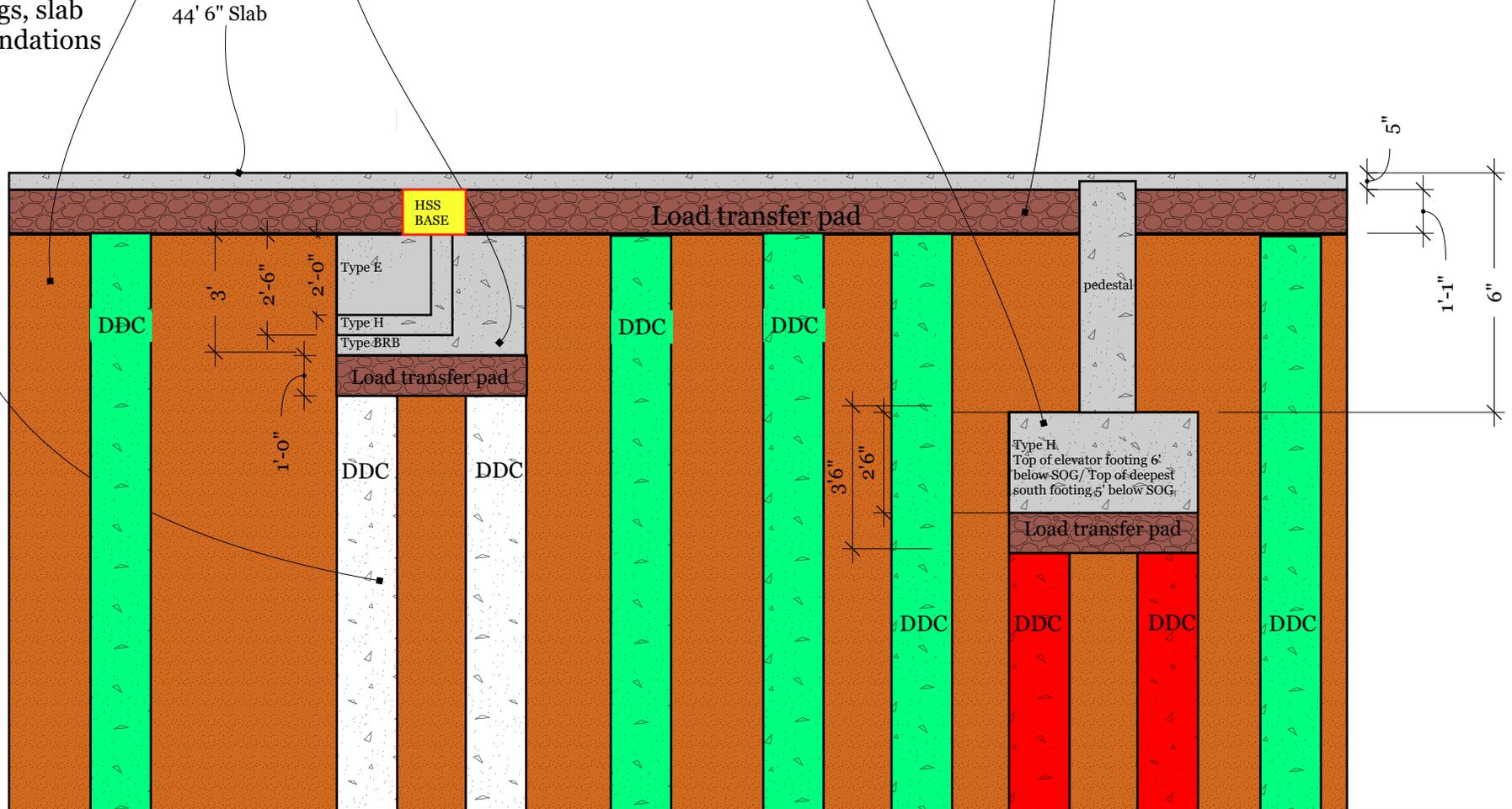
**1.** Prep existing grade for drill rig. Current grade per plans is around 43'+.

**2.** Install DDC's approx. qty 1200 stop grout at varied elevations. For various depth footings, slab and deep foundations

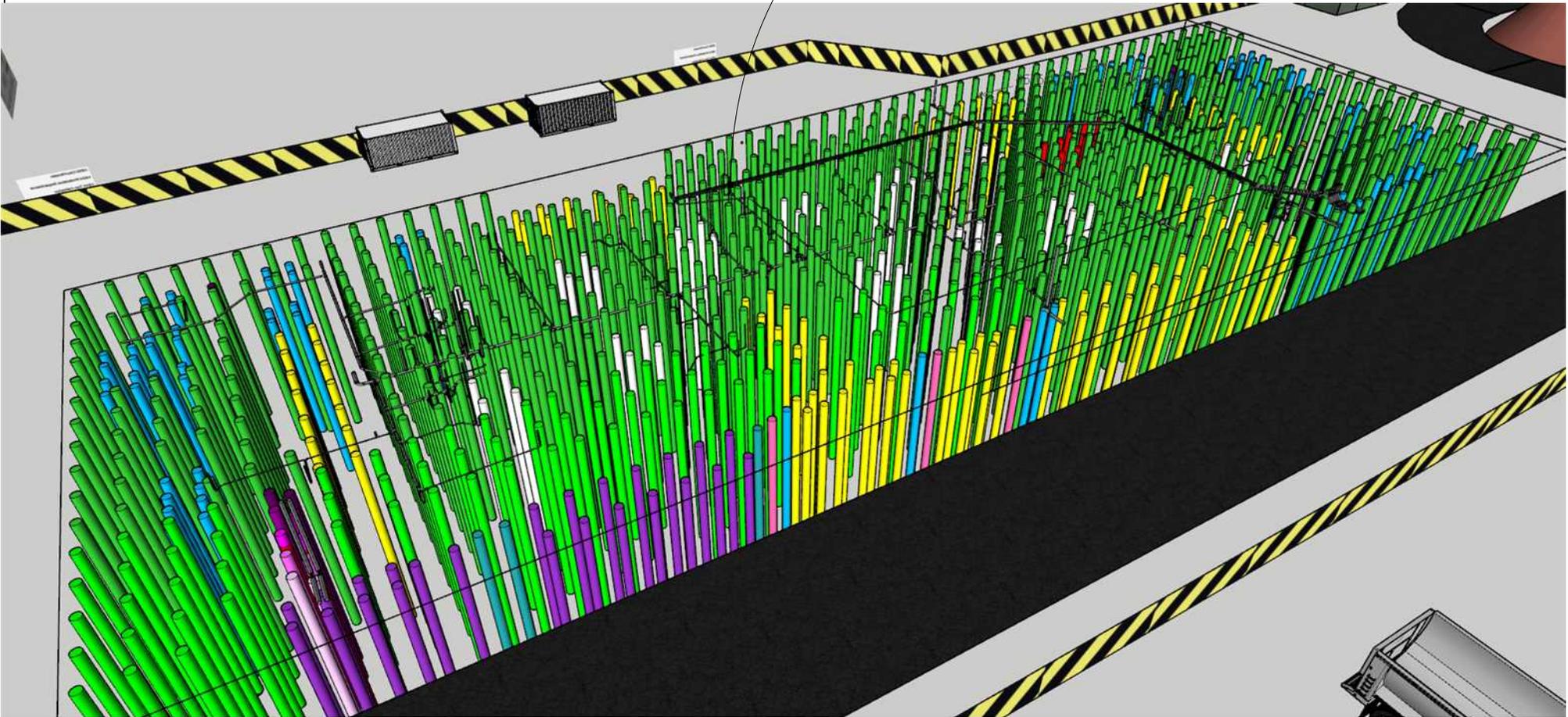
**3.** Excavate to bottom of footing plus 12", install load transfer pad, footing. There will be multiple top of DDC elevations- All tops of DDC's will be within 12 inches of element to be supported

**4.** Deep excavate existing soil for footings adjacent to elevator pit and south west footings along bioretention. Excavate to top of footing, for bench. Then neat cut and over ex footing area, install load transfer pad, then footing.

**5.** Load transfer pad that supports slab on grade is to be drain rock and will serve as capillary break.



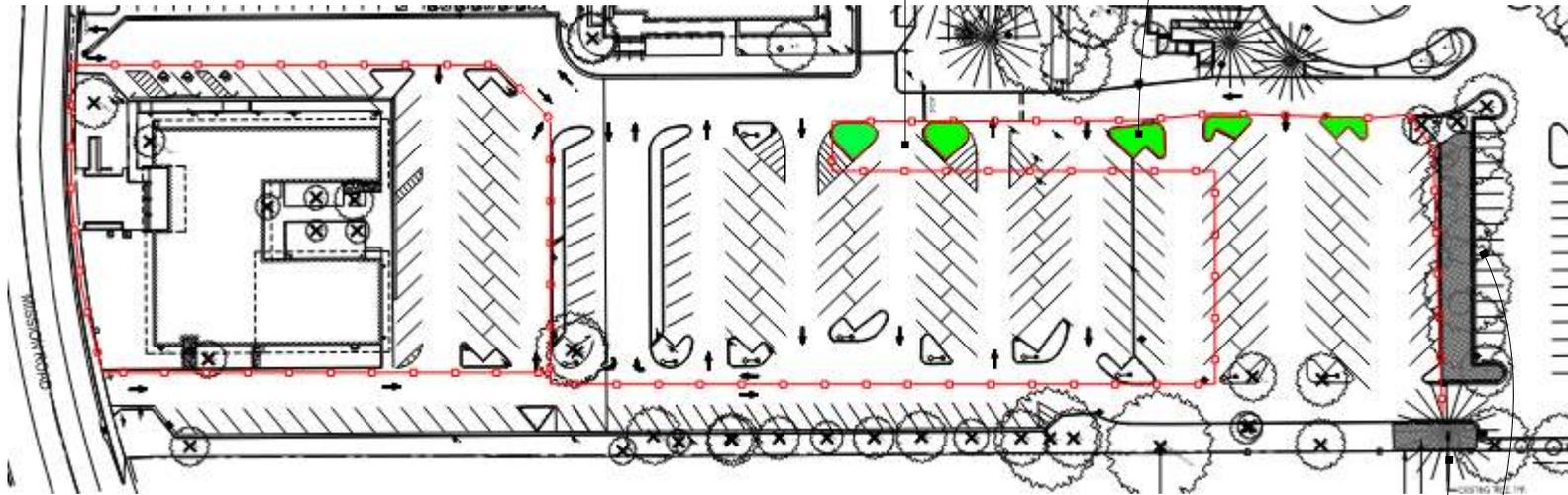
Need to coordinate DDC's relative to MEP and test piles.



# Grading / Site / Paving Work plan

Priority area to establish public parking. XL will provide temp fencing to isolate work area.

Grubbing  
Demo lights  
Signage  
Curbs  
Infill with asphalt



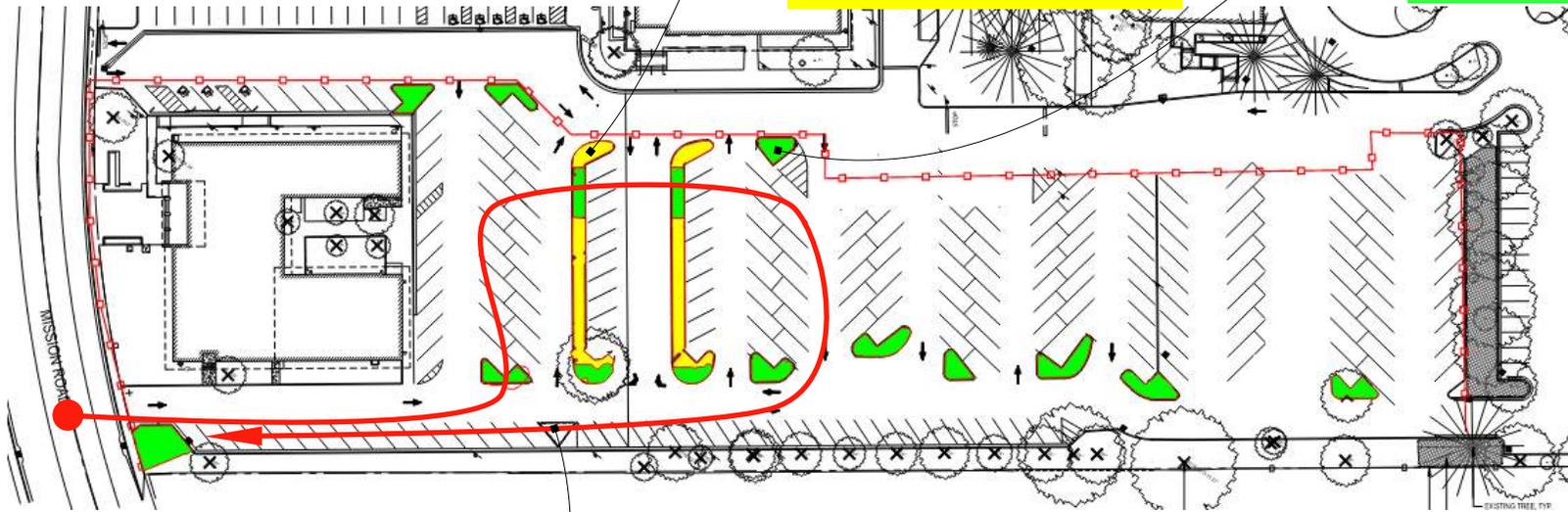
Initial work-  
March 1-15th  
Primary Tasks:  
Prep area for courthouse parking  
Abatement of probation building

Tree Protection  
two locations,  
post driven fencing

# Grading / Site / Paving Work plan

Yellow areas:  
Grubbing  
Demo lights  
Signage  
Curbs  
Do NOT infill with asphalt

Green areas:  
Grubbing  
Demo lights  
Signage  
Curbs  
Infill with asphalt

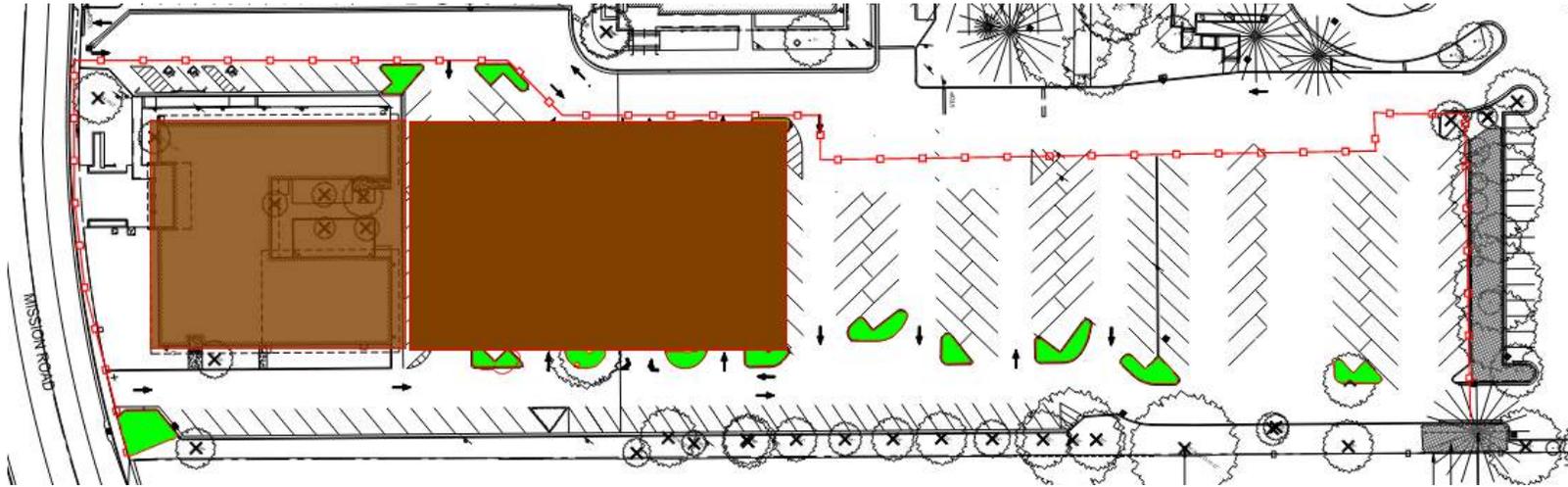


Red line represents path of demo vehicles.

Intent for early parking area prep is to leave asphalt in place during building demo. And to create demo vehicle circulation path that will minimize dirt and mud tracking to street.

Parking prep-  
March 15th-April 9th  
Primary Tasks:  
Prep parking and circulation  
Demo Probation building

# Grading / Site / Paving Work plan



Post Demo-

April 10th-23rd

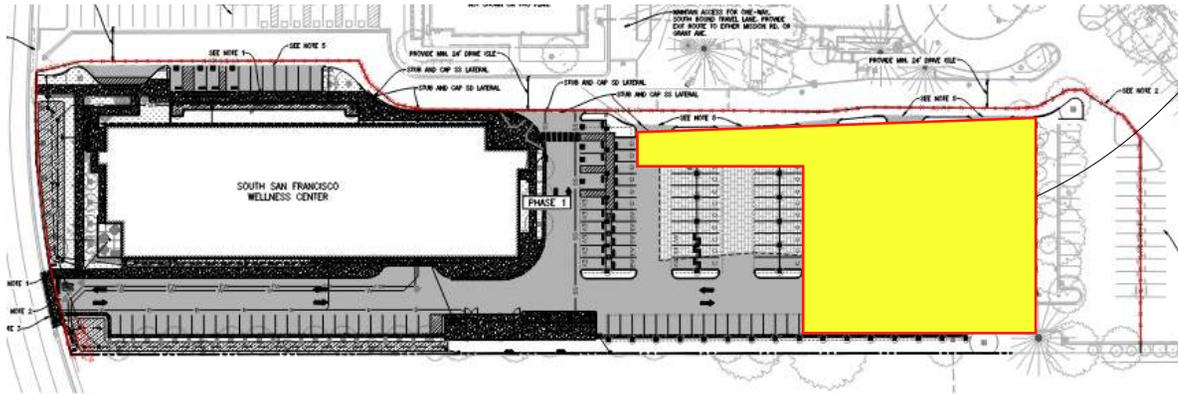
Primary Tasks:

Demo parking area to extent of building.

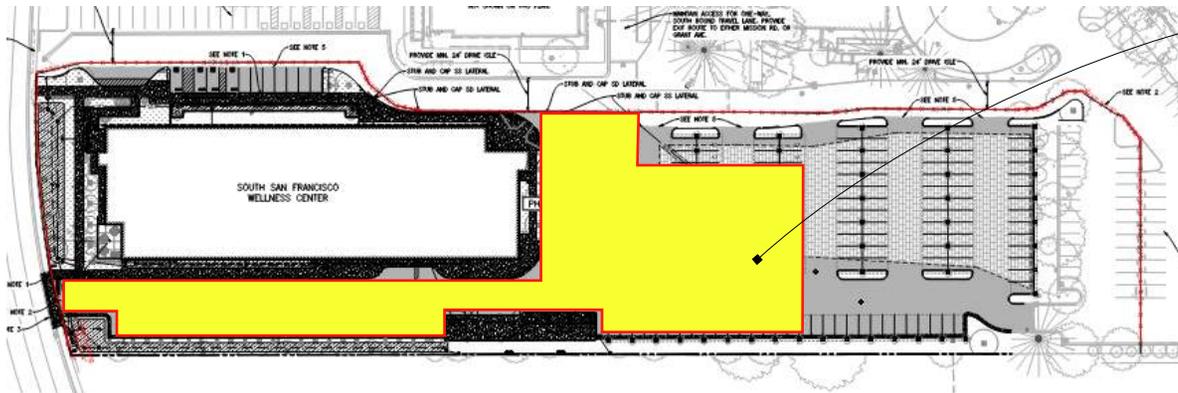
Grade and compact and prep building pad to 43' elevation

# Grading / Site / Paving Work plan

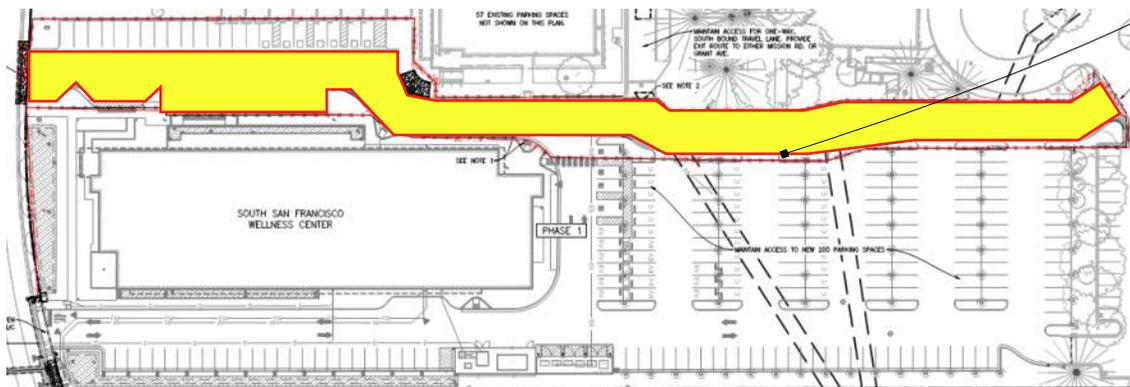
Phase 1A  
paving East parking  
area.  
March 3-5 2025



Phase 1B  
May 28-30 2025



Phase 2  
September 1-3 2025



## 9 - Supporting Documents

# DRAWING LOG - County of San Mateo SSF Wellness Center

Drawing No.	Drawing Title	Drawing Date	Set Name
A0.1	ARCHITECTURAL ABBREVIATIONS AND SYMBOLS	7/11/2023	07.14.23 Permit Submittal
A0.2.1	TYPICAL TOILET ROOM MOUNTING HEIGHTS CONFIGURATION DIAGRAMS	7/11/2023	07.14.23 Permit Submittal
A0.2.2	TYPICAL TOILET / BATHING ROOM MOUNTING HEIGHTS AND CONFIGURATION DIAGRAMS	7/11/2023	07.14.23 Permit Submittal
A0.3	TYPICAL MOUNTING HEIGHTS AND DIMENSIONING CONVENTIONS	7/11/2023	07.14.23 Permit Submittal
A0.4	TYPICAL RULES FOR DETERMINING MOUNTING HEIGHTS AND LOCATIONS	7/11/2023	07.14.23 Permit Submittal
A0.5	TYPICAL REFLECTED CEILING PLAN LOCATIONS AND CONFIGURATIONS	7/11/2023	07.14.23 Permit Submittal
A1.1.1	SITE ACCESSIBILITY PLAN	7/11/2023	07.14.23 Permit Submittal
A1.2.1	ARCHITECTURAL SITE PLAN - ENLARGED	7/11/2023	07.14.23 Permit Submittal
A1.3.1	EXTERIOR TRASH ENCLOSURE DETAILS	7/11/2023	07.14.23 Permit Submittal
A1.3.2	EXTERIOR TRASH ENCLOSURE DETAILS	7/11/2023	07.14.23 Permit Submittal
A1.3.3	EXTERIOR TRASH ENCLOSURE DETAILS	7/11/2023	07.14.23 Permit Submittal
A1.3.4	EXTERIOR ELECTRICAL YARD DETAILS	7/11/2023	07.14.23 Permit Submittal
A2.0.1	LEVEL 1 EDGE OF SLAB PLAN	7/11/2023	07.14.23 Permit Submittal
A2.0.2	LEVEL 2 EDGE OF SLAB PLAN	7/11/2023	07.14.23 Permit Submittal
A2.0.3	LEVEL 3 EDGE OF SLAB PLAN	7/11/2023	07.14.23 Permit Submittal
A2.0.4	ROOF EDGE OF SLAB PLAN	7/11/2023	07.14.23 Permit Submittal
A2.1.1	LEVEL 1 FLOOR PLAN OVERALL	7/11/2023	07.14.23 Permit Submittal
A2.1.1A	LEVEL 1 FLOOR PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
A2.1.1-AA	LEVEL 1 FLOOR PLAN OVERALL (ADD ALTERNATE)	7/11/2023	07.14.23 Permit Submittal
A2.1.1B	LEVEL 1 FLOOR PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
A2.1.2	LEVEL 2 FLOOR PLAN OVERALL	7/11/2023	07.14.23 Permit Submittal
A2.1.2A	LEVEL 2 FLOOR PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
A2.1.2B	LEVEL 2 FLOOR PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
A2.1.3	LEVEL 3 FLOOR PLAN OVERALL	7/11/2023	07.14.23 Permit Submittal
A2.1.3A	LEVEL 3 FLOOR PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
A2.1.3B	LEVEL 3 FLOOR PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
A2.2.1	ROOF PLAN	7/11/2023	07.14.23 Permit Submittal
A2.2.1A	ROOF PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
A2.2.1B	ROOF PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
A3.1.1	LEVEL 1 REFLECTED CEILING PLAN	7/11/2023	07.14.23 Permit Submittal
A3.1.1A	LEVEL 1 REFLECTED CEILING PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
A3.1.1B	LEVEL 1 REFLECTED CEILING PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
A3.1.2	LEVEL 2 REFLECTED CEILING PLAN	7/11/2023	07.14.23 Permit Submittal
A3.1.2A	LEVEL 2 REFLECTED CEILING PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
A3.1.2B	LEVEL 2 REFLECTED CEILING PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
A3.1.3	LEVEL 3 REFLECTED CEILING PLAN	7/11/2023	07.14.23 Permit Submittal
A3.1.3A	LEVEL 3 REFLECTED CEILING PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
A3.1.3B	LEVEL 3 REFLECTED CEILING PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
A4.0.1	EXTERIOR AXON NORTHWEST	7/11/2023	07.14.23 Permit Submittal
A4.0.2	EXTERIOR AXON SOUTHEAST	7/11/2023	07.14.23 Permit Submittal
A4.1.1	OVERALL EXTERIOR ELEVATIONS	7/11/2023	07.14.23 Permit Submittal
A4.1.2	EXTERIOR ELEVATIONS - NORTH	7/11/2023	07.14.23 Permit Submittal
A4.1.3	EXTERIOR ELEVATIONS - SOUTH	7/11/2023	07.14.23 Permit Submittal
A4.1.4	EXTERIOR ELEVATIONS - EAST & WEST	7/11/2023	07.14.23 Permit Submittal
A4.2.1	BUILDING SECTIONS	7/11/2023	07.14.23 Permit Submittal
A4.2.2	BUILDING SECTIONS	7/11/2023	07.14.23 Permit Submittal
A4.2.3	BUILDING SECTIONS	7/11/2023	07.14.23 Permit Submittal
A4.4.1	EXTERIOR ANALYTIQUE NORTHEAST	7/11/2023	07.14.23 Permit Submittal
A4.4.2	EXTERIOR ANALYTIQUE NORTH	7/11/2023	07.14.23 Permit Submittal
A4.4.3	EXTERIOR ANALYTIQUE WEST STAIR	7/11/2023	07.14.23 Permit Submittal
A4.4.4	EXTERIOR ANALYTIQUE SOUTHWEST	7/11/2023	07.14.23 Permit Submittal
A4.4.5	EXTERIOR ANALYTIQUE SOUTH	7/11/2023	07.14.23 Permit Submittal
A4.4.6	EXTERIOR ANALYTIQUE SOUTHEAST	7/11/2023	07.14.23 Permit Submittal
A4.4.7	EXTERIOR ANALYTIQUE WEST CANOPY ENTRANCE	7/11/2023	07.14.23 Permit Submittal
A4.4.8	EXTERIOR ANALYTIQUE WEST STAFF OUTDOOR	7/11/2023	07.14.23 Permit Submittal
A4.4.9	EXTERIOR ANALYTIQUE EAST STAIR	7/11/2023	07.14.23 Permit Submittal
A4.4.10	EXTERIOR ANALYTIQUE EAST	7/11/2023	07.14.23 Permit Submittal
A4.4.11	EXTERIOR ANALYTIQUE SOUTHWEST	7/11/2023	07.14.23 Permit Submittal
A5.0.1	ROOF ASSEMBLIES - LOW SLOPE	7/11/2023	07.14.23 Permit Submittal
A5.0.2	ROOFING DETAILS	7/11/2023	07.14.23 Permit Submittal
A5.0.3	ROOFING DETAILS	7/11/2023	07.14.23 Permit Submittal
A5.0.4	EXTERIOR WALL ASSEMBLIES	7/11/2023	07.14.23 Permit Submittal
A5.1.1	EXTERIOR DETAILS AT GRADE	7/11/2023	07.14.23 Permit Submittal
A5.1.2	EXTERIOR DETAILS AT GRADE	7/11/2023	07.14.23 Permit Submittal
A5.2.1	EXTERIOR SECTION DETAILS - FIBER CEMENT SIDING	7/11/2023	07.14.23 Permit Submittal

Drawing No.	Drawing Title	Drawing Date	Set Name
A5.2.2	EXTERIOR PLAN DETAILS - FIBER CEMENT SIDING	7/11/2023	07.14.23 Permit Submittal
A5.3.1	EXTERIOR SECTION DETAILS - METAL COMPOSITE MATERIAL (MCM) WALL PANEL	7/11/2023	07.14.23 Permit Submittal
A5.3.2	EXTERIOR SECTION DETAILS - METAL COMPOSITE MATERIAL (MCM) WALL PANEL	7/11/2023	07.14.23 Permit Submittal
A5.3.3	EXTERIOR SECTION DETAILS - METAL COMPOSITE MATERIAL (MCM) WALL PANEL	7/11/2023	07.14.23 Permit Submittal
A5.3.4	EXTERIOR PLAN DETAILS - METAL COMPOSITE MATERIAL (MCM) WALL PANEL	7/11/2023	07.14.23 Permit Submittal
A5.3.5	EXTERIOR CANOPY DETAILS	7/11/2023	07.14.23 Permit Submittal
A5.4.1	EXTERIOR DOOR & WINDOW SCHEDULE AND ELEVATIONS	7/11/2023	07.14.23 Permit Submittal
A5.4.2	EXTERIOR GLAZED TIMBER CURTAIN WALL DETAILS	7/11/2023	07.14.23 Permit Submittal
A5.4.3	EXTERIOR ALUMINUM CURTAIN WALL DETAILS	7/11/2023	07.14.23 Permit Submittal
A5.5.1	EXTERIOR PARAPET DETAILS	7/11/2023	07.14.23 Permit Submittal
A5.6.1	MISCELLANEOUS EXTERIOR DETAILS	7/11/2023	07.14.23 Permit Submittal
A5.7.1	EXTERIOR SECTION DETAILS - MAIN TERRACE	7/11/2023	07.14.23 Permit Submittal
A6.1.1	EAST STAIR PLANS AND SECTIONS	7/11/2023	07.14.23 Permit Submittal
A6.1.2	WEST STAIR PLANS AND SECTIONS	7/11/2023	07.14.23 Permit Submittal
A6.2.1	EAST STAIR DETAILS	7/11/2023	07.14.23 Permit Submittal
A6.2.2	EAST STAIR DETAILS	7/11/2023	07.14.23 Permit Submittal
A6.2.3	WEST STAIR DETAILS	7/11/2023	07.14.23 Permit Submittal
A6.2.4	WEST STAIR DETAILS	7/11/2023	07.14.23 Permit Submittal
A6.3.1	ELEVATOR PLANS AND SECTIONS	7/11/2023	07.14.23 Permit Submittal
A6.4.1	ELEVATOR DETAILS	7/11/2023	07.14.23 Permit Submittal
A6.4.2	ELEVATOR DETAILS	7/11/2023	07.14.23 Permit Submittal
A6.4.3	ELEVATOR DETAILS AND ELEVATIONS	7/11/2023	07.14.23 Permit Submittal
A7.1.0	ENLARGED SPECIALTY RCPS	7/11/2023	07.14.23 Permit Submittal
A7.1.1	ENLARGED PUBLIC & PATIENT TLTS	7/11/2023	07.14.23 Permit Submittal
A7.1.2	ENLARGED STAFF TLT & SHOWERS, HOUSEKEEPING ROOMS	7/11/2023	07.14.23 Permit Submittal
A7.2.1-AA	ADD ALTERNATE #1 - WELLNESS GARDEN PLAN AND DETAILS	7/11/2023	07.14.23 Permit Submittal
A8.1.1	INTERIOR ELEVATIONS - LEVEL 1	7/11/2023	07.14.23 Permit Submittal
A8.1.2	INTERIOR ELEVATIONS - LEVEL 1	7/11/2023	07.14.23 Permit Submittal
A8.1.3	INTERIOR ELEVATIONS - LEVEL 1	7/11/2023	07.14.23 Permit Submittal
A8.1.4	INTERIOR ELEVATIONS - LEVEL 1	7/11/2023	07.14.23 Permit Submittal
A8.1.5	INTERIOR ELEVATIONS - LEVEL 1	7/11/2023	07.14.23 Permit Submittal
A8.1.6	INTERIOR ELEVATIONS - LEVEL 2	7/11/2023	07.14.23 Permit Submittal
A9.0.0	INTERIOR 3D VIEWS & RENDERINGS	7/11/2023	07.14.23 Permit Submittal
A9.1.1	INTERIOR FINISH LEGEND	7/11/2023	07.14.23 Permit Submittal
A9.1.2	INTERIOR FINISH LEGEND	7/11/2023	07.14.23 Permit Submittal
A9.1.3	TYPICAL INTERIOR FINISH DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.1.4	CUSTOM INTERIOR FINISH DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.1.5	CUSTOM INTERIOR FINISH DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.2.1	PARTITION SYSTEMS	7/11/2023	07.14.23 Permit Submittal
A9.2.2	PARTITION SYSTEMS DETAILS - FRAMING	7/11/2023	07.14.23 Permit Submittal
A9.2.3	PARTITION SYSTEMS DETAILS - HEAD & SILL	7/11/2023	07.14.23 Permit Submittal
A9.2.4	PARTITION SYSTEMS DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.2.5	PENETRATION DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.2.6	OPERABLE PARTITION DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.2.7	FIXED PARTITION DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.3.1	INTERIOR OPENING SCHEDULE	7/11/2023	07.14.23 Permit Submittal
A9.3.2	DOOR / FRAME & STOREFRONT ELEVATION	7/11/2023	07.14.23 Permit Submittal
A9.3.3	DOOR AND FRAME DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.3.4	FRAME AND OPENING DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.3.5	GLAZING DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.3.6	GLAZING DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.4.1	TYPICAL CEILING DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.4.2	TYPICAL CEILING DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.4.3	CUSTOM CEILING DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.6.1	MODULAR CASEWORK SCHEDULE AND DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.6.2	MODULAR CASEWORK DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.7.1	CUSTOM CASEWORK DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.7.2	CUSTOM CASEWORK DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.9.1	MISCELLANEOUS INTERIOR DETAILS	7/11/2023	07.14.23 Permit Submittal
A9.9.2	MISCELLANEOUS INTERIOR DETAILS	7/11/2023	07.14.23 Permit Submittal
AF2.1.1A	LEVEL 1 FINISH PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
AF2.1.1B	LEVEL 1 FINISH PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
AF2.1.2A	LEVEL 2 FINISH PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
AF2.1.2B	LEVEL 2 FINISH PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
AF2.1.3A	LEVEL 3 FINISH PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
AF2.1.3B	LEVEL 3 FINISH PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
AI1.1.1	FURNITURE SCHEDULE	7/11/2023	07.14.23 Permit Submittal
AI2.1.1A	LEVEL 1 FURNITURE PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
AI2.1.1B	LEVEL 1 FURNITURE PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal

Drawing No.	Drawing Title	Drawing Date	Set Name
AI2.1.2A	LEVEL 2 FURNITURE PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
AI2.1.2B	LEVEL 2 FURNITURE PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
AQ1.1.1	MEDICAL EQUIPMENT SCHEDULE	7/11/2023	07.14.23 Permit Submittal
AQ1.1.2	MEDICAL EQUIPMENT SCHEDULE	7/11/2023	07.14.23 Permit Submittal
AQ2.1.1A	LEVEL 1 MEDICAL EQUIPMENT ENLARGED PLAN - ZONE A	7/11/2023	07.14.23 Permit Submittal
AQ2.1.1B	LEVEL 1 MEDICAL EQUIPMENT ENLARGED PLAN - ZONE B	7/11/2023	07.14.23 Permit Submittal
AQ2.1.2B	LEVEL 2 SPECIALTY EQUIPMENT ENLARGED PLAN - ZONE B	7/11/2023	07.14.23 Permit Submittal
C0.1	TITLE SHEET & SHEET INDEX	7/11/2023	07.14.23 Permit Submittal
C0.2	GENERAL NOTES	7/11/2023	07.14.23 Permit Submittal
C0.3	GENERAL NOTES	7/11/2023	07.14.23 Permit Submittal
C0.4	BEST MANAGEMENT PRACTICES	7/11/2023	07.14.23 Permit Submittal
C0.5	FIRE ACCESS PLAN	7/11/2023	07.14.23 Permit Submittal
C0.6	PHASING PLAN - PHASE 1	7/11/2023	07.14.23 Permit Submittal
C0.7	PHASING PLAN - PHASE 2	7/11/2023	07.14.23 Permit Submittal
C1.1	EXISTING CONDITIONS	7/11/2023	07.14.23 Permit Submittal
C1.2	EXISTING CONDITIONS	7/11/2023	07.14.23 Permit Submittal
C1.3	EXISTING CONDITIONS	7/11/2023	07.14.23 Permit Submittal
C2.1	DEMOLITION PLAN	7/11/2023	07.14.23 Permit Submittal
C2.2	DEMOLITION PLAN	7/11/2023	07.14.23 Permit Submittal
C2.3	DEMOLITION PLAN	7/11/2023	07.14.23 Permit Submittal
C3.1	EROSION CONTROL PLAN	7/11/2023	07.14.23 Permit Submittal
C3.2	EROSION CONTROL PLAN	7/11/2023	07.14.23 Permit Submittal
C3.3	EROSION CONTROL PLAN	7/11/2023	07.14.23 Permit Submittal
C3.4	EROSION CONTROL NOTES & DETAILS	7/11/2023	07.14.23 Permit Submittal
C4.1	HORIZONTAL CONTROL PLAN	7/11/2023	07.14.23 Permit Submittal
C4.2	HORIZONTAL CONTROL PLAN	7/11/2023	07.14.23 Permit Submittal
C4.3	HORIZONTAL CONTROL PLAN	7/11/2023	07.14.23 Permit Submittal
C5.1	LAYOUT & PAVING PLAN	7/11/2023	07.14.23 Permit Submittal
C5.2	LAYOUT & PAVING PLAN	7/11/2023	07.14.23 Permit Submittal
C5.3	LAYOUT & PAVING PLAN	7/11/2023	07.14.23 Permit Submittal
C6.1	GRADING PLAN	7/11/2023	07.14.23 Permit Submittal
C6.2	GRADING PLAN	7/11/2023	07.14.23 Permit Submittal
C6.3	GRADING PLAN	7/11/2023	07.14.23 Permit Submittal
C7.1	UTILITY PLAN	7/11/2023	07.14.23 Permit Submittal
C7.2	UTILITY PLAN	7/11/2023	07.14.23 Permit Submittal
C7.3	UTILITY PLAN	7/11/2023	07.14.23 Permit Submittal
C7.4	STORM DRAIN PROFILES	7/11/2023	07.14.23 Permit Submittal
C7.5	STORM DRAIN PROFILES	7/11/2023	07.14.23 Permit Submittal
C7.6	SANITARY SEWER PROFILES	7/11/2023	07.14.23 Permit Submittal
C8.1	STORMWATER CONTROL PLAN	7/11/2023	07.14.23 Permit Submittal
C9.1	DETAILS	7/11/2023	07.14.23 Permit Submittal
C9.2	DETAILS	7/11/2023	07.14.23 Permit Submittal
C9.3	DETAILS	7/11/2023	07.14.23 Permit Submittal
C9.4	DETAILS	7/11/2023	07.14.23 Permit Submittal
C9.5	DETAILS	7/11/2023	07.14.23 Permit Submittal
E0.1	ELECTRICAL ABBREVIATIONS AND SYMBOLS	7/11/2023	07.14.23 Permit Submittal
E0.2	ELECTRICAL SCHEDULES	7/11/2023	07.14.23 Permit Submittal
E0.3	ELECTRICAL POWER DISTRIBUTION COMPLIANCE FORMS	7/11/2023	07.14.23 Permit Submittal
E0.4	ELECTRICAL OUTDOOR LIGHTING COMPLIANCE FORMS	7/11/2023	07.14.23 Permit Submittal
E0.5	ELECTRICAL OUTDOOR LIGHTING COMPLIANCE FORMS	7/11/2023	07.14.23 Permit Submittal
E0.6	ELECTRICAL INDOOR LIGHTING COMPLIANCE FORMS	7/11/2023	07.14.23 Permit Submittal
E0.7	ELECTRICAL INDOOR LIGHTING COMPLIANCE FORMS	7/11/2023	07.14.23 Permit Submittal
E0.8	ELECTRICAL INDOOR LIGHTING COMPLIANCE FORMS	7/11/2023	07.14.23 Permit Submittal
E0.9	ELECTRICAL SIGN LIGHTING COMPLIANCE FORMS	7/11/2023	07.14.23 Permit Submittal
E1.0	ELECTRICAL SITE PLANS	7/11/2023	07.14.23 Permit Submittal
E1.1	SITE PHOTOMETRICS	7/11/2023	07.14.23 Permit Submittal
E2.1	LEVEL 1 GROUNDING AND UNDERGROUND CONDUIT PLAN	7/11/2023	07.14.23 Permit Submittal
E2.1.A	LEVEL 1 POWER PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E2.1.B	LEVEL 1 POWER PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
E2.2.A	LEVEL 2 POWER PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E2.2.B	LEVEL 2 POWER PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
E2.3.A	LEVEL 3 POWER PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E2.3.B	LEVEL 3 POWER PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
E2.4.A	ROOF POWER PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E2.4.B	ROOF POWER PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
E3.1.0	LEVEL 1 EMERGENCY LIGHTING PHOTOMETRICS	7/11/2023	07.14.23 Permit Submittal
E3.1.A	LEVEL 1 LIGHTING PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E3.1.B	LEVEL 1 LIGHTING PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
E3.2.0	LEVEL 2 EMERGENCY LIGHTING PHOTOMETRICS	7/11/2023	07.14.23 Permit Submittal

Drawing No.	Drawing Title	Drawing Date	Set Name
E3.2.A	LEVEL 2 LIGHTING PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E3.2.B	LEVEL 2 LIGHTING PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
E3.3.0	LEVEL 3 EMERGENCY LIGHTING PHOTOMETRICS	7/11/2023	07.14.23 Permit Submittal
E3.3.A	LEVEL 3 LIGHTING PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E3.3.B	LEVEL 3 LIGHTING PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
E3.4.A	ROOF LIGHTING PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E4.1.A	LEVEL 1 SPECIAL SYSTEMS PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E4.1.B	LEVEL 1 SPECIAL SYSTEMS PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
E4.2.A	LEVEL 2 SPECIAL SYSTEMS PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E4.2.B	LEVEL 2 SPECIAL SYSTEMS PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
E4.3.A	LEVEL 3 SPECIAL SYSTEMS PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E4.3.B	LEVEL 3 SPECIAL SYSTEMS PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
E4.4.A	ROOF SPECIAL SYSTEMS PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
E5	ELECTRICAL DIAGRAMS	7/11/2023	07.14.23 Permit Submittal
E6.1	ELECTRICAL DETAILS	7/11/2023	07.14.23 Permit Submittal
E6.2	ELECTRICAL DETAILS	7/11/2023	07.14.23 Permit Submittal
E6.3	ELECTRICAL DETAILS	7/11/2023	07.14.23 Permit Submittal
E6.4	ELECTRICAL DETAILS	7/11/2023	07.14.23 Permit Submittal
E7.0	MECHANICAL EQUIPMENT AND POWER CALCULATION SCHEDULES	7/11/2023	07.14.23 Permit Submittal
E7.1	LIGHTING SCHEDULES	7/11/2023	07.14.23 Permit Submittal
E7.2	PANELBOARD SCHEDULES	7/11/2023	07.14.23 Permit Submittal
E7.3	PANELBOARD SCHEDULES	7/11/2023	07.14.23 Permit Submittal
E7.4	PANELBOARD SCHEDULES	7/11/2023	07.14.23 Permit Submittal
E7.5	PANELBOARD SCHEDULES	7/11/2023	07.14.23 Permit Submittal
E7.6	PANELBOARD SCHEDULES	7/11/2023	07.14.23 Permit Submittal
E7.7	PANELBOARD SCHEDULES	7/11/2023	07.14.23 Permit Submittal
E7.8	PANELBOARD SCHEDULES	7/11/2023	07.14.23 Permit Submittal
E8.0	ENLARGED PLANS AND ELEVATIONS	7/11/2023	07.14.23 Permit Submittal
FP0.1	FIRE SUPPRESSION ABBREVIATIONS AND SYMBOLS	7/11/2023	07.14.23 Permit Submittal
FP2.1	FIRST LEVEL FIRE SUPPRESSION PLAN	7/11/2023	07.14.23 Permit Submittal
FP2.2	SECOND LEVEL FIRE SUPPRESSION PLAN	7/11/2023	07.14.23 Permit Submittal
FP2.3	THIRD LEVEL FIRE SUPPRESSION PLAN	7/11/2023	07.14.23 Permit Submittal
G0.0	PROJECT COVER SHEET	7/11/2023	07.14.23 Permit Submittal
G1.1	GENERAL PROJECT INFORMATION AND SHEET INDEX	7/11/2023	07.14.23 Permit Submittal
G2.1.1	2022 BUILDING CODE SUMMARY	7/11/2023	07.14.23 Permit Submittal
G2.1.2	OSHPD 3 CODE COMPLIANCE	7/11/2023	07.14.23 Permit Submittal
G2.1.3	CAL GREEN CODE COMPLIANCE	7/11/2023	07.14.23 Permit Submittal
G2.1.4	CAL GREEN CODE COMPLIANCE	7/11/2023	07.14.23 Permit Submittal
G2.1.5	CAL GREEN CODE COMPLIANCE	7/11/2023	07.14.23 Permit Submittal
G2.2.1	FIRE AND LIFE SAFETY DRAWINGS LEVEL 1	7/11/2023	07.14.23 Permit Submittal
G2.2.2	FIRE AND LIFE SAFETY DRAWINGS LEVEL 2	7/11/2023	07.14.23 Permit Submittal
G2.2.3	FIRE AND LIFE SAFETY DRAWINGS LEVEL 3	7/11/2023	07.14.23 Permit Submittal
G2.2.4	FIRE AND LIFE SAFETY DRAWINGS - ROOMS SCHEDULE I	7/11/2023	07.14.23 Permit Submittal
G2.5.1	ENGINEERING JUDGEMENTS	7/11/2023	07.14.23 Permit Submittal
G2.5.2	ENGINEERING JUDGEMENTS	7/11/2023	07.14.23 Permit Submittal
G2.6.1	ENERGY EFFICIENCY COMPLIANCE	7/11/2023	07.14.23 Permit Submittal
G2.6.2	ENERGY EFFICIENCY COMPLIANCE	7/11/2023	07.14.23 Permit Submittal
I600	HYDROZONE MAP	7/11/2023	07.14.23 Permit Submittal
I600A	HYDROZONE MAP ALTERNATE PLAN	7/11/2023	07.14.23 Permit Submittal
I601	IRRIGATION PLAN	7/11/2023	07.14.23 Permit Submittal
I602	IRRIGATION PLAN	7/11/2023	07.14.23 Permit Submittal
I603	IRRIGATION PLAN	7/11/2023	07.14.23 Permit Submittal
I700	IRRIGATION ENLARGEMENT PLAN - AREA 1	7/11/2023	07.14.23 Permit Submittal
I700A	IRRIGATION ENLARGEMENT PLAN - AREA 1 - ALTERNATE	7/11/2023	07.14.23 Permit Submittal
I701	IRRIGATION ENLARGEMENT PLAN - AREA 2	7/11/2023	07.14.23 Permit Submittal
I701A	IRRIGATION ENLARGEMENT PLAN - AREA 2 - ALTERNATE	7/11/2023	07.14.23 Permit Submittal
I711	IRRIGATION LEGEND	7/11/2023	07.14.23 Permit Submittal
I712	IRRIGATION LEGEND	7/11/2023	07.14.23 Permit Submittal
I713	IRRIGATION NOTES	7/11/2023	07.14.23 Permit Submittal
I714	IRRIGATION DETAILS	7/11/2023	07.14.23 Permit Submittal
I715	IRRIGATION DETAILS	7/11/2023	07.14.23 Permit Submittal
I716	IRRIGATION DETAILS	7/11/2023	07.14.23 Permit Submittal
I717	IRRIGATION DETAILS	7/11/2023	07.14.23 Permit Submittal
I718	IRRIGATION DETAILS	7/11/2023	07.14.23 Permit Submittal
L0-0	GENERAL NOTES	7/11/2023	07.14.23 Permit Submittal
L0-1	SITE ILLUSTRATIVE PLAN	7/11/2023	07.14.23 Permit Submittal
L0-2	TREE PROTECTION PLAN	7/11/2023	07.14.23 Permit Submittal
L100	OVERALL LAYOUT AND MATERIALS PLAN	7/11/2023	07.14.23 Permit Submittal
L101	LAYOUT AND MATERIALS PLAN	7/11/2023	07.14.23 Permit Submittal

Drawing No.	Drawing Title	Drawing Date	Set Name
L102	LAYOUT AND MATERIALS PLAN	7/11/2023	07.14.23 Permit Submittal
L200	LAYOUT ENLARGEMENT PLAN - AREA 1	7/11/2023	07.14.23 Permit Submittal
L201	LAYOUT ENLARGEMENT PLAN - AREA 2	7/11/2023	07.14.23 Permit Submittal
L300	SITE PERSPECTIVES	7/11/2023	07.14.23 Permit Submittal
L400	SITE SECTIONS	7/11/2023	07.14.23 Permit Submittal
L401	SITE SECTIONS	7/11/2023	07.14.23 Permit Submittal
L500	SITE DETAILS	7/11/2023	07.14.23 Permit Submittal
L501	SITE DETAILS	7/11/2023	07.14.23 Permit Submittal
L600	OVERALL PLANTING PLAN	7/11/2023	07.14.23 Permit Submittal
L601	PLANTING PLAN	7/11/2023	07.14.23 Permit Submittal
L602	PLANTING PLAN	7/11/2023	07.14.23 Permit Submittal
L603	PLANTING PLAN	7/11/2023	07.14.23 Permit Submittal
L700	PLANTING ENLARGEMENT PLAN - AREA 1	7/11/2023	07.14.23 Permit Submittal
L701	PLANTING ENLARGEMENT PLAN - AREA 2	7/11/2023	07.14.23 Permit Submittal
L800	PLANTING DETAILS	7/11/2023	07.14.23 Permit Submittal
M0.1	MECHANICAL ABBREVIATIONS AND SYMBOLS	7/11/2023	07.14.23 Permit Submittal
M0.2	ADMINISTRATIVE REQUIREMENTS	7/11/2023	07.14.23 Permit Submittal
M0.3	MECHANICAL TITLE 24	7/11/2023	07.14.23 Permit Submittal
M0.4	MECHANICAL TITLE 24	7/11/2023	07.14.23 Permit Submittal
M0.5	MECHANICAL TITLE 24	7/11/2023	07.14.23 Permit Submittal
M0.6	MECHANICAL TITLE 24	7/11/2023	07.14.23 Permit Submittal
M0.7	MECHANICAL OSHPD 3 REQUIREMENTS	7/11/2023	07.14.23 Permit Submittal
M1.1	LEVEL 1 HVAC ZONING	7/11/2023	07.14.23 Permit Submittal
M1.2	LEVEL 2 HVAC ZONING	7/11/2023	07.14.23 Permit Submittal
M1.3	LEVEL 3 HVAC ZONING	7/11/2023	07.14.23 Permit Submittal
M2.1.1A	ENLARGED LEVEL 1 HVAC PLAN - AREA A	7/11/2023	07.14.23 Permit Submittal
M2.1.1B	ENLARGED LEVEL 1 HVAC PLAN - AREA B	7/11/2023	07.14.23 Permit Submittal
M2.2.A	SECOND LEVEL HVAC PLAN AREA A	7/11/2023	07.14.23 Permit Submittal
M2.2.B	SECOND LEVEL HVAC PLAN AREA B	7/11/2023	07.14.23 Permit Submittal
M2.3.A	THIRD LEVEL HVAC PLAN AREA A	7/11/2023	07.14.23 Permit Submittal
M2.3.B	THIRD LEVEL HVAC PLAN AREA B	7/11/2023	07.14.23 Permit Submittal
M2.4	ROOF HVAC PLAN	7/11/2023	07.14.23 Permit Submittal
M3.1.A	FIRST LEVEL HVAC PIPING PLAN AREA A	7/11/2023	07.14.23 Permit Submittal
M3.1.B	FIRST LEVEL HVAC PIPING PLAN AREA B	7/11/2023	07.14.23 Permit Submittal
M3.2.A	SECOND LEVEL HVAC PIPING PLAN AREA A	7/11/2023	07.14.23 Permit Submittal
M3.2.B	SECOND LEVEL HVAC PIPING PLAN AREA B	7/11/2023	07.14.23 Permit Submittal
M3.3.A	THIRD LEVEL HVAC PIPING PLAN AREA A	7/11/2023	07.14.23 Permit Submittal
M3.3.B	THIRD LEVEL HVAC PIPING PLAN AREA B	7/11/2023	07.14.23 Permit Submittal
M3.4	ROOF HVAC PIPING PLAN	7/11/2023	07.14.23 Permit Submittal
M5.1	MECHANICAL AIR SIDE DIAGRAMS	7/11/2023	07.14.23 Permit Submittal
M5.2	MECHANICAL PIPING AND WIRING DIAGRAMS	7/11/2023	07.14.23 Permit Submittal
M5.3	MECHANICAL PIPING AND WIRING DIAGRAMS	7/11/2023	07.14.23 Permit Submittal
M6.1	MECHANICAL DETAILS	7/11/2023	07.14.23 Permit Submittal
M6.2	MECHANICAL DETAILS	7/11/2023	07.14.23 Permit Submittal
M6.3	MECHANICAL DETAILS	7/11/2023	07.14.23 Permit Submittal
M7.1	MECHANICAL SCHEDULES	7/11/2023	07.14.23 Permit Submittal
M7.2	MECHANICAL SCHEDULES	7/11/2023	07.14.23 Permit Submittal
M7.3	MECHANICAL SCHEDULES	7/11/2023	07.14.23 Permit Submittal
M8.1	MECHANICAL CONTROLS	7/11/2023	07.14.23 Permit Submittal
M8.2	MECHANICAL CONTROLS AIR HANDLING UNIT	7/11/2023	07.14.23 Permit Submittal
M8.3	MECHANICAL CONTROLS HOT WATER BOILER AND VARIABLE REFRIGERANT FLOW CONDENSING UNITS	7/11/2023	07.14.23 Permit Submittal
M8.4	MECHANICAL CONTROLS VARIABLE AIR VOLUME BOX	7/11/2023	07.14.23 Permit Submittal
M8.5	MECHANICAL CONTROLS - TERMINAL UNITS	7/11/2023	07.14.23 Permit Submittal
P0.1	PLUMBING	7/11/2023	07.14.23 Permit Submittal
P1.1.1	PLUMBING SITE PLAN	7/11/2023	07.14.23 Permit Submittal
P2.1.1.A	LEVEL 1 PLUMBING PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
P2.1.1.B	LEVEL 1 PLUMBING PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
P2.1.2.A	LEVEL 2 PLUMBING PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
P2.1.2.B	LEVEL 2 PLUMBING PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
P2.1.3.A	LEVEL 3 PLUMBING PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
P2.1.3.B	LEVEL 3 PLUMBING PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
P2.2.1	PLUMBING ROOF PLAN	7/11/2023	07.14.23 Permit Submittal
P5.1.1	PLUMBING DIAGRAMS - BELOW GRADE WASTE & VENT	7/11/2023	07.14.23 Permit Submittal
P5.1.2	PLUMBING DIAGRAMS - WASTE & VENT	7/11/2023	07.14.23 Permit Submittal
P5.1.3	PLUMBING DIAGRAMS - STORM DRAIN	7/11/2023	07.14.23 Permit Submittal
P5.1.4	PLUMBING DIAGRAMS - DOMESTIC WATER	7/11/2023	07.14.23 Permit Submittal
P6.1.1	PLUMBING DETAILS	7/11/2023	07.14.23 Permit Submittal
P7.1.1	PLUMBING SCHEDULES	7/11/2023	07.14.23 Permit Submittal
WF.00	Table of Contents	7/11/2023	07.14.23 Permit Submittal

Drawing No.	Drawing Title	Drawing Date	Set Name
WF.01	Introduction / Typography & Color	7/11/2023	07.14.23 Permit Submittal
WF.02	Site Exterior Wayfinding Location Plan	7/11/2023	07.14.23 Permit Submittal
WF.03	Exterior Signage Visual Hierarchy	7/11/2023	07.14.23 Permit Submittal
WF.04	Exterior Signage Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.05	Exterior Signage Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.06	Exterior Signage Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.07	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.08	Copy list	7/11/2023	07.14.23 Permit Submittal
WF.09	Copy list	7/11/2023	07.14.23 Permit Submittal
WF.10	Copy list	7/11/2023	07.14.23 Permit Submittal
WF.11	Copy list	7/11/2023	07.14.23 Permit Submittal
WF.12	Copy list	7/11/2023	07.14.23 Permit Submittal
WF.13	Table of Contents	7/11/2023	07.14.23 Permit Submittal
WF.14	Introduction / Typography & Color	7/11/2023	07.14.23 Permit Submittal
WF.15	Floor 1 SLP Wayfinding	7/11/2023	07.14.23 Permit Submittal
WF.16	Floor 1 SLP Identification	7/11/2023	07.14.23 Permit Submittal
WF.17	Floor 1 SLP Informational	7/11/2023	07.14.23 Permit Submittal
WF.18	Floor 1, & WELLNESS GARDEN SLP Regulatory	7/11/2023	07.14.23 Permit Submittal
WF.19	Floor 2 SLP Wayfinding	7/11/2023	07.14.23 Permit Submittal
WF.20	Floor 2 SLP Identification	7/11/2023	07.14.23 Permit Submittal
WF.21	Floor 2 SLP Informational	7/11/2023	07.14.23 Permit Submittal
WF.22	Floor 2 SLP Regulatory	7/11/2023	07.14.23 Permit Submittal
WF.23	Floor 3 SLP Wayfinding	7/11/2023	07.14.23 Permit Submittal
WF.24	Floor 3 SLP Identification	7/11/2023	07.14.23 Permit Submittal
WF.25	Floor 3 SLP Informational	7/11/2023	07.14.23 Permit Submittal
WF.26	Floor 3 SLP Regulatory	7/11/2023	07.14.23 Permit Submittal
WF.27	Roof SLP Regulatory	7/11/2023	07.14.23 Permit Submittal
WF.28	Signage Visual Hierarchy - Interior	7/11/2023	07.14.23 Permit Submittal
WF.29	Signage Visual Hierarchy - Interior	7/11/2023	07.14.23 Permit Submittal
WF.30	Signage Visual Hierarchy - Interior	7/11/2023	07.14.23 Permit Submittal
WF.31	Signage Visual Hierarchy - Interior	7/11/2023	07.14.23 Permit Submittal
WF.32	Signage Visual Hierarchy - Interior	7/11/2023	07.14.23 Permit Submittal
WF.33	INTERIOR - Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.34	INTERIOR - Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.35	INTERIOR - Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.36	INTERIOR - Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.37	INTERIOR - Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.38	INTERIOR - Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.39	INTERIOR - Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.40	INTERIOR - Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.41	INTERIOR - Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.42	INTERIOR - Construction Drawings	7/11/2023	07.14.23 Permit Submittal
WF.43	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.44	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.45	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.46	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.47	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.48	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.49	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.50	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.51	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.52	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.53	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.54	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.55	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.56	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.57	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.58	Sign Summary & Copy list	7/11/2023	07.14.23 Permit Submittal
WF.59	Placement Elevations	7/11/2023	07.14.23 Permit Submittal
WF.60	Placement Elevations	7/11/2023	07.14.23 Permit Submittal
WF.61	Placement Elevations	7/11/2023	07.14.23 Permit Submittal
WF.62	Placement Elevations	7/11/2023	07.14.23 Permit Submittal
WF.63	Placement Elevations	7/11/2023	07.14.23 Permit Submittal
WF.64	Placement Elevations	7/11/2023	07.14.23 Permit Submittal
S1.1.0	COVER SHEET	7/11/2023	07.14.23 Permit Submittal
S1.1.1	GENERAL NOTES	7/11/2023	07.14.23 Permit Submittal
S1.1.2	GENERAL NOTES	7/11/2023	07.14.23 Permit Submittal
S1.1.3	STRUCTURAL SPECIAL INSPECTIONS AND TESTING	7/11/2023	07.14.23 Permit Submittal
S1.1.4	PLAN NOTES	7/11/2023	07.14.23 Permit Submittal

Drawing No.	Drawing Title	Drawing Date	Set Name
S2.1.1	FOUNDATION PLAN - OVERALL	7/11/2023	07.14.23 Permit Submittal
S2.1.1A	FOUNDATION PLAN - ZONE A	7/11/2023	07.14.23 Permit Submittal
S2.1.1B	FOUNDATION PLAN - ZONE B	7/11/2023	07.14.23 Permit Submittal
S2.1.2	LEVEL 2 FRAMING PLAN - OVERALL	7/11/2023	07.14.23 Permit Submittal
S2.1.2A	LEVEL 2 FRAMING PLAN - ZONE A	7/11/2023	07.14.23 Permit Submittal
S2.1.2B	LEVEL 2 FRAMING PLAN - ZONE B	7/11/2023	07.14.23 Permit Submittal
S2.1.3	LEVEL 3 FRAMING PLAN - OVERALL	7/11/2023	07.14.23 Permit Submittal
S2.1.3A	LEVEL 3 FRAMING PLAN - ZONE A	7/11/2023	07.14.23 Permit Submittal
S2.1.3B	LEVEL 3 FRAMING PLAN - ZONE B	7/11/2023	07.14.23 Permit Submittal
S2.2.1	ROOF FRAMING PLAN - OVERALL	7/11/2023	07.14.23 Permit Submittal
S2.2.1A	ROOF FRAMING PLAN - ZONE A	7/11/2023	07.14.23 Permit Submittal
S2.2.1B	ROOF FRAMING PLAN - ZONE B	7/11/2023	07.14.23 Permit Submittal
S3.1.1	BUILDING SECTIONS	7/11/2023	07.14.23 Permit Submittal
S3.2.1	FOUNDATION SECTIONS	7/11/2023	07.14.23 Permit Submittal
S3.3.1	FLOOR SECTIONS	7/11/2023	07.14.23 Permit Submittal
S3.3.2	FLOOR SECTIONS	7/11/2023	07.14.23 Permit Submittal
S3.3.3	TERRACE AND LOW ROOF SECTIONS	7/11/2023	07.14.23 Permit Submittal
S3.3.4	FLOOR SECTIONS	7/11/2023	07.14.23 Permit Submittal
S3.3.5	FLOOR SECTIONS	7/11/2023	07.14.23 Permit Submittal
S3.4.1	ROOF SECTIONS	7/11/2023	07.14.23 Permit Submittal
S3.4.2	ROOF SECTIONS	7/11/2023	07.14.23 Permit Submittal
S4.1.1	COLUMN SCHEDULE	7/11/2023	07.14.23 Permit Submittal
S4.2.1	BRACED FRAME ELEVATIONS	7/11/2023	07.14.23 Permit Submittal
S4.2.2	BRACED FRAME ELEVATIONS	7/11/2023	07.14.23 Permit Submittal
S4.3.1	BRBF DETAILS	7/11/2023	07.14.23 Permit Submittal
S4.3.2	BRBF DETAILS	7/11/2023	07.14.23 Permit Submittal
S4.4.1	ELEVATIONS	7/11/2023	07.14.23 Permit Submittal
S5.1.1	TYPICAL FOUNDATION DETAILS	7/11/2023	07.14.23 Permit Submittal
S5.1.2	TYPICAL FOUNDATION DETAILS	7/11/2023	07.14.23 Permit Submittal
S5.2.1	TYPICAL CONCRETE DETAILS	7/11/2023	07.14.23 Permit Submittal
S5.3.1	TYPICAL STEEL DETAILS	7/11/2023	07.14.23 Permit Submittal
S5.3.2	STEEL ASSEMBLIES	7/11/2023	07.14.23 Permit Submittal
S5.3.3	STEEL ASSEMBLIES	7/11/2023	07.14.23 Permit Submittal
S5.4.1	TYPICAL CROSS-LAMINATED TIMBER DETAILS	7/11/2023	07.14.23 Permit Submittal
S5.5.1	TYPICAL GLUE-LAMINATED TIMBER DETAILS	7/11/2023	07.14.23 Permit Submittal
S5.5.2	TYPICAL GLUE-LAMINATED TIMBER DETAILS	7/11/2023	07.14.23 Permit Submittal
S5.5.3	GLUE-LAMINATED TIMBER DETAILS	7/11/2023	07.14.23 Permit Submittal
S5.5.4	GLUE-LAMINATED TIMBER DETAILS	7/11/2023	07.14.23 Permit Submittal
S5.6.1	EXTERIOR DETAILS	7/11/2023	07.14.23 Permit Submittal
S5.6.2	EXTERIOR DETAILS	7/11/2023	07.14.23 Permit Submittal
S5.7.1	EQUIPMENT ANCHORAGE	7/11/2023	07.14.23 Permit Submittal
S5.7.2	EQUIPMENT ANCHORAGE	7/11/2023	07.14.23 Permit Submittal
S6.1.1	TYPICAL METAL STUD EXTERIOR DETAILS	7/11/2023	07.14.23 Permit Submittal
S6.1.2	TYPICAL METAL STUD INTERIOR DETAILS	7/11/2023	07.14.23 Permit Submittal
S6.1.3	TYPICAL METAL STUD COMMON DETAILS	7/11/2023	07.14.23 Permit Submittal
S6.1.4	METAL STUD DETAILS	7/11/2023	07.14.23 Permit Submittal
S7.0.1	WEST STAIR FRAMING PLANS	7/11/2023	07.14.23 Permit Submittal
S7.0.2	WEST STAIR SECTIONS	7/11/2023	07.14.23 Permit Submittal
S7.1.1	EAST STAIR FRAMING PLANS	7/11/2023	07.14.23 Permit Submittal
S7.1.2	EAST STAIR SECTIONS	7/11/2023	07.14.23 Permit Submittal
S7.1.3	EAST STAIR DETAILS & SECTIONS	7/11/2023	07.14.23 Permit Submittal
S7.3.1	ELEVATOR PLANS	7/11/2023	07.14.23 Permit Submittal
S7.3.2	ELEVATOR SECTIONS	7/11/2023	07.14.23 Permit Submittal
S8.0.1	ROOFTOP EQUIPMENT PARTIAL PLANS AND DETAILS	7/11/2023	07.14.23 Permit Submittal
S8.0.2	PARTIAL PLANS AND DETAILS	7/11/2023	07.14.23 Permit Submittal
T0.00	TECHNOLOGY SYMBOLS	7/11/2023	07.14.23 Permit Submittal
T0.01	TECHNOLOGY SYMBOLS	7/11/2023	07.14.23 Permit Submittal
T0.02	SYSTEM DIAGRAMS	7/11/2023	07.14.23 Permit Submittal
T0.03	PUBLIC ADDRESS/NURSE CALL SYSTEM RISER DIAGRAM	7/11/2023	07.14.23 Permit Submittal
T0.04	TECHNOLOGY DETAILS	7/11/2023	07.14.23 Permit Submittal
T1.1.1	TECHNOLOGY SITE PLAN - OVERALL	7/11/2023	07.14.23 Permit Submittal
T2.1.1	TECHNOLOGY LEVEL 1 FLOOR PLAN OVERALL	7/11/2023	07.14.23 Permit Submittal
T2.1.1A	TECHNOLOGY LEVEL 1 FLOOR PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
T2.1.1B	TECHNOLOGY LEVEL 1 FLOOR PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
T2.1.2	TECHNOLOGY LEVEL 2 FLOOR PLAN OVERALL	7/11/2023	07.14.23 Permit Submittal
T2.1.2A	TECHNOLOGY LEVEL 2 FLOOR PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal
T2.1.2B	TECHNOLOGY LEVEL 2 FLOOR PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
T2.1.3	TECHNOLOGY LEVEL 3 FLOOR PLAN OVERALL	7/11/2023	07.14.23 Permit Submittal
T2.1.3A	TECHNOLOGY LEVEL 3 FLOOR PLAN ENLARGED - AREA A	7/11/2023	07.14.23 Permit Submittal

<b>Drawing No.</b>	<b>Drawing Title</b>	<b>Drawing Date</b>	<b>Set Name</b>
T2.1.3B	TECHNOLOGY LEVEL 3 FLOOR PLAN ENLARGED - AREA B	7/11/2023	07.14.23 Permit Submittal
T2.2.1	TECHNOLOGY ROOF PLAN - OVERALL	7/11/2023	07.14.23 Permit Submittal

# SPECIFICATION LOG - County of San Mateo SSF Wellness Center

Number	Description	Issued Date	Set
110	Table of Contents	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
01 1000	SUMMARY	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
01 3573	DELEGATED DESIGN REQUIREMENTS AND PROCEDURES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
01 7419	CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
01 8113	Sustainable Design Requirements	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
02 41 13	DEMOLITION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
03 30 10	SITE CAST-IN-PLACE CONCRETE	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
03 35 10	CONCRETE PAVING FINISHES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
03 2100	REINFORCING STEEL	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
03 3000	CAST-IN-PLACE CONCRETE	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
03 3546	SEALED CONCRETE FINISHING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
04 2200	CONCRETE UNIT MASONRY	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
05 1225	BUCKLING-RESTRAINED BRACES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
05 3000	METAL DECKING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
05 4000	COLD-FORMED METAL FRAMING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
05 5000	METAL FABRICATIONS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
05 5100	METAL STAIRS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
05 5213	PIPE AND TUBE RAILINGS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
05 7300	DECORATIVE METAL RAILINGS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
05 7500	DECORATIVE FORMED METAL	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
06 1000	ROUGH CARPENTRY	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
06 1543	CROSS LAMINATED TIMBER PANELS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
06 1600	SHEATHING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
06 1800	GLUED LAMINATED CONSTRUCTION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
06 2023	INTERIOR FINISH CARPENTRY	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
06 4113	WOOD-VENEER-FACED ARCHITECTURAL CABINETS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
06 4116	PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
06 4200	FLUSH WOOD PANELING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 1113	BITUMINOUS DAMPPROOFING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 1326	SHEET WATERPROOFING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 1800	COLD LIQUID APPLIED WATERPROOFING SYSTEM	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 2100	THERMAL INSULATION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 2726	FLUID-APPLIED MEMBRANE AIR BARRIERS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 4213	Metal Wall Panels	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 4229	LAMINATE COMPOSITE PANEL SYSTEM	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 4646	FIBER-CEMENT SIDING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 5419	POLYVINYL-CHLORIDE (PVC) ROOFING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 6200	SHEET METAL FLASHING AND TRIM	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 7200	ROOF ACCESSORIES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 8123	INTUMESCENT FIREPROOFING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 8413	PENETRATION FIRESTOPPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 8443	JOINT FIRESTOPPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 9200	JOINT SEALANTS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
07 9219	ACOUSTICAL JOINT SEALANTS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 1113	HOLLOW METAL DOORS AND FRAMES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 1216	INTERIOR ALUMINUM DOOR FRAMES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 1219	Stainless-Steel Frames	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 1316	Aluminum Doors	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 1416	FLUSH WOOD DOORS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 3113	ACCESS DOORS AND FRAMES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 3343	OVERHEAD COILING SMOKE CURTAINS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 3473	Sound Control Door Assemblies	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 3616	Single-Panel Doors	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 4126	All-Glass Entrances and Storefronts	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 4229	Automatic Entrances	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 4413	GLAZED ALUMINUM CURTAIN WALLS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL

Number	Description	Issued Date	Set
08 4422	GLAZED TIMBER CURTAIN WALLS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 7100	DOOR HARDWARE	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 8000	GLAZING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 8113	DECORATIVE GLASS GLAZING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
08 8813	FIRE-RESISTANT GLAZING AND FRAMING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 2116	Gypsum Board Assemblies	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 2216	NON-STRUCTURAL METAL FRAMING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 2900	GYPSUM BOARD	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 3013	TILING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 5100	SUSPENDED CEILINGS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 6513	RESILIENT BASE AND ACCESSORIES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 6516	RESILIENT SHEET FLOORING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 6543	LINOLEUM FLOORING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 6813	TILE CARPETING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 6900	ACCESS FLOORING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 7723	FABRIC-WRAPPED PANELS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 8100	ACOUSTICAL INSULATION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 9113	EXTERIOR PAINTING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 9123	INTERIOR PAINTING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 9300	STAINING AND TRANSPARENT FINISHING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
09 9600	HIGH-PERFORMANCE COATINGS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 1100	VISUAL DISPLAY UNITS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 1400	SIGNAGE AND WAYFINDING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 2113	Toilet Compartments	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 2123	CUBICLE CURTAINS AND TRACK	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 2239	FOLDING PANEL PARTITIONS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 2600	WALL AND DOOR PROTECTION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 2800	TOILET AND BATH ACCESSORIES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 4413	FIRE PROTECTION CABINETS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 4416	FIRE EXTINGUISHERS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 5126	PHENOLIC-CORE LOCKERS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 8113	BIRD CONTROL DEVICES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
10 8213	ROOF SCREENS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
11 2429	FACILITY FALL PROTECTION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
11 7000	Healthcare Equipment	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
12 2413	ROLLER WINDOW SHADES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
12 3216	MANUFACTURED PLASTIC-LAMINATE-FACED CASEWORK	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
12 3661	Simulated Stone Countertops	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
12 4816	ENTRANCE FLOOR GRILLES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
12 9313	BIKE STORAGE SYSTEM	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
13 4900	RADIATION PROTECTION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
14 2123	Electric Traction Passenger Elevators	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
21 1200	FIRE-SUPPRESSION STANDPIPES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
21 1313	WET-PIPE SPRINKLER SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0513	COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0516	EXPANSION FITTINGS AND LOOPS FOR PLUMBING PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0517	SLEEVES AND SLEEVE SEALS FOR PLUMBING PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0518	ESCUTCHEONS FOR PLUMBING PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0519	METERS AND GAGES FOR PLUMBING PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0523	General-Duty Valves for Plumbing Piping	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0529	HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0548	VIBRATION AND SEISMIC CONTROLS FOR PLUMBING PIPING AND EQUIPMENT	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0553	IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0716	PLUMBING EQUIPMENT INSULATION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0719	PLUMBING PIPING INSULATION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 0800	COMMISSIONING OF PLUMBING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 1116	DOMESTIC WATER PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 1119	DOMESTIC WATER PIPING SPECIALTIES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 1123	DOMESTIC WATER PUMPS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 1216	FACILITY ELEVATED, POTABLE-WATER STORAGE TANKS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL

Number	Description	Issued Date	Set
22 1316	SANITARY WASTE AND VENT PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 1317	PLUMBING PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 1319	SANITARY WASTE PIPING SPECIALTIES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 1413	FACILITY STORM DRAINAGE PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 1423	STORM DRAINAGE PIPING SPECIALTIES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 3300	ELECTRIC, DOMESTIC-WATER HEATERS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 4213	Commercial Water Closets, Urinals, and Bidets	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 4216	Commercial Lavatories and Sinks	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 4223	COMMERCIAL SHOWERS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 4500	EMERGENCY PLUMBING FIXTURES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
22 4713	DRINKING FOUNTAINS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0513	COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0516	EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0517	SLEEVES AND SLEEVE SEALS FOR HVAC PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0518	ESCUTCHEONS FOR HVAC PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0519	METERS AND GAGES FOR HVAC PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0523	General-Duty Valves for HVAC Piping	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0529	HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0548	VIBRATION AND SEISMIC CONTROLS FOR HVAC	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0553	IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0593	TESTING, ADJUSTING, AND BALANCING FOR HVAC	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0713	DUCT INSULATION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0716	HVAC EQUIPMENT INSULATION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0719	HVAC PIPING INSULATION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0800	COMMISSIONING OF HVAC	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 0900	INSTRUMENTATION AND CONTROL FOR HVAC	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 2113	HYDRONIC PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 2116	HYDRONIC PIPING SPECIALTIES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 2123	HYDRONIC PUMPS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 2300	REFRIGERANT PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 2513	WATER TREATMENT FOR CLOSED-LOOP HYDRONIC SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 3113	METAL DUCTS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 3300	AIR DUCT ACCESSORIES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 3416	CENTRIFUGAL HVAC FANS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 3600	AIR TERMINAL UNITS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 3713	DIFFUSERS, REGISTERS, AND GRILLES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 3723	HVAC GRAVITY VENTILATORS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 5213	ELECTRIC BOILERS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 8126	SPLIT-SYSTEM AIR-CONDITIONERS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
23 8129	VARIABLE REFRIGERANT FLOW HVAC SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0500	COMMON WORK RESULTS FOR ELECTRICAL	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0519	LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0526	GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0529	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0533	RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0543	UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0544	SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND CABLING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0548	Vibration and Seismic Controls for Electrical Systems	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0553	IDENTIFICATION FOR ELECTRICAL SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0573	POWER DISTRIBUTION SYSTEM STUDIES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0800	COMMISSIONING OF ELECTRICAL SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0923	LIGHTING CONTROL DEVICES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 0943	NETWORK LIGHTING CONTROLS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 2200	LOW-VOLTAGE TRANSFORMERS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 2413	SWITCHBOARDS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 2416	PANELBOARDS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 2713	ELECTRICITY METERING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 2726	WIRING DEVICES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 2743	ELECTRIC-VEHICLE SERVICE EQUIPMENT - AC LEVEL	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 2813	FUSES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL

Number	Description	Issued Date	Set
26 2816	ENCLOSED SWITCHES AND CIRCUIT BREAKERS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 2913	Enclosed Controllers	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 2923	VARIABLE-FREQUENCY MOTOR CONTROLLERS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 3323	Central Battery Equipment	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 3650	GENERATOR DOCKING STATIONS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 4313	SURGE PROTECTION FOR LOW-VOLTAGE ELECTRICAL POWER CIRCUITS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 5100	INTERIOR LIGHTING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
26 5600	EXTERIOR LIGHTING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
27 05 26	GROUNDING AND BONDING FOR COMMUNICATIONS SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
27 05 28	PATHWAYS FOR COMMUNICATIONS SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
27 11 00	COMMUNICATIONS EQUIPMENT ROOM FITTINGS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
27 13 00	COMMUNICATIONS BACKBONE CABLING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
27 15 00	COMMUNICATIONS HORIZONTAL CABLING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
27 51 16	PUBLIC ADDRESS SYSTEMS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
27 52 23	NURSE CALL SYSTEM	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
27 53 13	SYNCHRONIZED GPS TIME SERVER MASTER CLOCK SYSTEM	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
28 00 00	SECURITY SYSTEMS - GENERAL	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
28 13 00	ACCESS CONTROL SYSTEM	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
28 23 00	VIDEO SURVEILLANCE SYSTEM	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
28 50 20	EMERGENCY RESPONDER RADIO SYSTEM	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
28 3111	DIGITAL, ADDRESSABLE FIRE-ALARM SYSTEM	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
31 0000	EARTHWORK	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
31 22 00	FINISH GRADING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
31 23 00	EXCAVATION, BACKFILLING, AND COMPACTING FOR UTILITIES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
31 23 19	DEWATERING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
31 6620	DRILL DISPLACEMENT COLUMN GROUND IMPROVEMENT	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
32 12 00	ASPHALT PAVING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
32 41 00	SIGNING, PAVEMENT MARKINGS, AND CURB PAINTING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
32 3119	DECORATIVE METAL FENCES AND GATES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
320190	LANDSCAPE MAINTENANCE	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
321313	Concrete Paving	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
321500	AGGREGATE SURFACING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
323300	SITE FURNISHINGS	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
328400	PLANTING IRRIGATION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
329113	SOIL PREPARATION	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
329300	TREES, SHRUBS, ORNAMENTAL GRASSES AND GROUNDCOVER	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
329400	PLANTING ACCESSORIES	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
33 10 00	SITE WATER DISTRIBUTION PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
33 30 00	SANITARY SEWER DISTRIBUTION PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL
33 40 00	STORM UTILITY DRAINAGE PIPING	7/11/2023	7/14/23 SPEC PERMIT SUBMITTAL

## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center  
**BID PACKAGE:** Bid Package #2  
**JOB NO.:** 4567

**July 24, 2023**

RFI Tag	Reference (Drawing / Spec / Bid Doc)	DESCRIPTION	RESPONSE BY (Smith Group/XL/SEOR)	DATE RESPONSE RECEIVED	RESPONSE	OPEN/ CLOSED
PB-002	Exhibit C.2	Responsibility Matrix- Please confirm that the responsibility matrix (attachment A and B) included in the " Elec/LV Scope of work exhibit C.2 is the final/approved matrix to be used for proposal. These attachments offer slightly from the "standalone" matrix'x provided in the MEP exhibits.	<b>XL Construction, Alysha Fuchino</b>	July 14, 2023	The MEP Exhibits folder was removed from BuildingConnected and should no longer be referenced. The attachments that are part of the Exhibit C shall be used.	<b>CLOSED</b>
PB-003	As Builts	Are there any as-builts of the building?	<b>XL Construction, David Barron</b>	July 17, 2023	There are no as-builts to share.	<b>CLOSED</b>
PB-004	Exhibit C.3	Exhibit C.2 Scope of work for exterior skin states that interior elements such as acoustical mullion covers are to be provided by exterior skin sub. Ref. section 2.f.iv.However, details on sheet A9.9.2 reference these elements to be part of spec section 092900 which is not part of the exterior skin package. <b>Please confirm</b> that these acoustical closures will be provided by others and are not part of the exterior skin package.	<b>XL Construction, Phill Guymer</b>	July 20, 2023	Drywall Subcontractor to supply & install all mullion covers as detailed on A9.9.2	<b>CLOSED</b>
PB-005	Exterior Glazing Mock-up Extent	Spec sections 084413 & 084422 state that a freestanding mockup is required for both the timber and aluminum curtain walls. Please provide a detail of the mockup extent including size and scope.	<b>XL Construction, Terry Wong</b>	July 19, 2023	SG (MC): the DesignTeam is currently working on it. XL: See tab PB -005 within this log visual mock-up. Bidders to provide as ADD ALTERNATE COST. Performance mock-up required within specifications should be included within base bid.	<b>CLOSED</b>
PB-006	Estimate Breakouts	Prime Electric - Could you please provide any breakdowns you are looking for so we can set up Accubid accordingly?	<b>XL Construction, Alysha Fuchino</b>	July 14, 2023	Follow Exhibit L. bid form breakdown For reference, please provide lumpsum costs for the 1) Office Area and 2) Medical Area (Level 1).	<b>CLOSED</b>
PB-007	Vestibule Sliders	Please confirm if we are to include the interior vestibule sliders #1001.2 & 1401.2 in the Exterior Façade bid package.	<b>XL Construction, Phill Guymer</b>	July 20, 2023	Exterior Façade bidders to include the interior vestibule sliders	<b>CLOSED</b>
PB-008	Fiber Cement Panels At Interior Side of West & East Stairs	Reference A6.1.1 & A6.1.2 stair plans and A5.1.1 & A5.2.1 details. Details show fiber cement panels at interior side of stair walls. Please confirm if these panels are to be included in the exterior facade bid package. If so, do the panels occur on all 4 sides of the stairwell? Reference attached.	<b>XL Construction, Phill Guymer</b>	July 20, 2023	SG (MC) Only east stair is to recived fiber cement panel at the North elevation. Please refer to finish floors for extend of scope. Sheets AF2.1.A and AF2.1.B. This scope of work is to be included in the exterior façade bid package.	<b>CLOSED</b>
PB-009	RFI - Laminate Composite Panel Soffit at Interior Vestibule	Please confirm if we are to include the laminate Composite Panels at the interior vestibule soffit. Reference 24/A5.3.5.	<b>XL Construction, Phill Guymer</b>	July 20, 2023	This scope of work is to be included in the exterior façade bid package.	<b>CLOSED</b>
PB-010	Specification Section 22	<p>1.Drawing M3.4</p> <ul style="list-style-type: none"> <li>•Multiple sheet notes to provide platform to cross over pipes. Which scope provides the referenced platforms?</li> <li>•Sheet note to provide parapet cover over boilers. Which scope provides the referenced cover?</li> </ul> <p>2.Spec section 22 1317 2.6 B1 indicates under slab Storm piping will be sch-40 PVC. Section 22 1317 2.6 C5 indicates under slab Storm piping to be hub and spigot cast iron. Pipe schedule on drawing P7.1.1 indicates no-hub cast iron. Which material type is correct? Same question applies to under slab Waste and Vent piping.</p> <p>3.Please confirm hangers for underground piping are not required.</p> <p>4.Spec section 22 1317 2.6 D indicates area drains to be furnished and installed as indicated on the drawings. Please confirm this applies to area drains within the building parameter only, and area drains beyond the building parameter are by others.</p> <p>5.Spec section 22 1317 2.6 E indicates tree well drains and catch basins to be furnished and installed by the mechanical contractor. Please confirm this scope is Civil or Landscape and not Mechanical/Plumbing.</p> <p>6.Spec section 22 1317 2.6 F makes reference to Sub-soil drainage system; however, referenced system is not indicated on drawings. Please confirm Sub-soil drainage system is not required.</p> <p>7.Spec section 22 1317 3.9 A indicates contractor to provide rough-in as indicated on drawings for owner provided equipment. However, comparing owner provided equipment requiring Plumbing utilities to the Plumbing drawings, rough-in for this equipment is</p>	<b>XL Construction, Alysha Fuchino</b>	July 14, 2023	Exclude platforms and covers from MEP scope of work.	<b>CLOSED</b>

## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center  
**BID PACKAGE:** Bid Package #2  
**JOB NO.:** 4567

**July 24, 2023**

RFI Tag	Reference (Drawing / Spec / Bid Doc)	DESCRIPTION	RESPONSE BY (Smith Group/XL/SEOR)	DATE RESPONSE RECEIVED	RESPONSE	OPEN/ CLOSED
PB-013	Sanitary/Site	Spec section 22 1317 2.6 D indicates area drains to be furnished and installed as indicated on the drawings. Please confirm this applies to area drains within the building parameter only, and area drains beyond the building parameter are by others.	<b>XL Construction, Alysha Fuchino</b>	July 14, 2023	Refer to Exhibit C scope clarifications. Mechanical and Plumbing trade partners are responsible for area drains within the building parameter. Others are responsible for area drains around the façade of the structure.	<b>CLOSED</b>
PB-014	Drains	Spec section 22 1317 2.6 E indicates tree well drains and catch basins to be furnished and installed by the mechanical contractor. Please confirm this scope is Civil or Landscape and not Mechanical/Plumbing.	<b>XL Construction, Alysha Fuchino</b>	July 14, 2023	Exclude this from the MEP scope .Tree well drains to be included in Civil or Landscpae scope of work.	<b>CLOSED</b>
PB-016	Plumbing Connections to Equipment	Spec section 22 1317 3.9 A indicates contractor to provide rough-in as indicated on drawings for owner provided equipment. However, comparing owner provided equipment requiring Plumbing utilities to the Plumbing drawings, rough-in for this equipment is not shown. Please confirm if Plumbing scope is to provide rough-in and final connection to this equipment even if it is not shown on the drawings.	<b>XL Construction, Alysha Fuchino</b>	July 14, 2023	Confirmed. Plumbing trade partner is responsible for this. Refer to Exhibit C. Provide scope as an add alternate.	<b>CLOSED</b>
PB-019	PV PPA Agreement	Pls provide the PV PPA agreement for review. Design doc's reference and show the PV design, however they indicate "for reference only" Is the PPA author responsible for the PV installation complete turnkey or is this SOW to be engineered, provided, and installed by the EC? Are they any other PV specific PV design doc's avail?	<b>SmithGroup</b>	July 19, 2023	SG (MC+EOR): Our PV layout shows the design intent. However, the actual layout will vary depending on which PV module is selected (they are all different sizes, and the dimensional differences will compound across a large roof). The Design Team is still working with a PPA on this. However, we are now working with PCE instead of SAGE. Our understanding is that PCE is designing/engineering the system and will be hiring their own installer. We do not have any other documents that are up-do-date, but the team can follow up with Vendor. <b>XL Response:-</b> PPA agreement is not yet signed for the County. Please include scope per bid form and current drawings.	<b>CLOSED</b>
PB-037	General	General - please confirm all makeup water, condensate and drain piping is by plumbing contractor.	<b>XL Construction, Alysha Fuchino</b>	July 18, 2023	Condensate drain and make-up water piping shall be provided by plumbing contractor.	<b>CLOSED</b>
PB-039	General	Materials - please confirm buy-America act does not apply to this project.	<b>XL Construction, Alysha Fuchino</b>	July 18, 2023	No, it does not apply on this project.	<b>CLOSED</b>
PB-040	1.III	Section 1 Bid Package Content - This section lists a design, engineering, and pre-construction manpower table. If Smith Group is to remain as the MEOR, the pre-construction table should include project management, BIM, and some engineering review in accordance with being a quality P/S trade partner?	<b>XL Construction, Alysha Fuchino</b>	July 18, 2023	Under the Design, Engineering, and Preconstruction section of the bid form (orange), teams are expected to incorporate the following: 1. Review of Engineering 2. Constructability Reviews 3. BIM/Coordination Modeling 4. (80) hours of time to support Early Procurement 5. Additional hours required to support project pre-construction (It is expected that Trade Partners will clarify any additional support they have allocated dollars for)  Construction Bid will include detailing hours to support prefabrication (per Exhibit C) and Field Management. Field Management includes any project management throughout the duration of construction (this includes submittals, change management, etc.).	<b>CLOSED</b>

**PRE-BID REQUEST FOR INFORMATION (RFI) LOG**

**PROJECT NAME:** County of San Mateo - Wellness Center  
**BID PACKAGE:** Bid Package #2  
**JOB NO.:** 4567

**July 24, 2023**

RFI Tag	Reference (Drawing / Spec / Bid Doc)	DESCRIPTION	RESPONSE BY (Smith Group/XL/SEOR)	DATE RESPONSE RECEIVED	RESPONSE	OPEN/ CLOSED
PB-042	3.1.4	Section 3 Scope Requirements as it relates to escalation - Should we provide a recommended allowance for escalation to be carried (equipment, trade partners, and material)?	<b>XL Construction, Alysha Fuchino</b>	July 18, 2023	Please provide your bid in today's dollars for material and equipment.  There is a section in the bid form labeled "Escalation & Contingency", just under the Construction Bid SOV. Within the bid form, your team is instructed to provide an anticipated escalation percentage to carry. Teams should not include this escalation within their base pricing for equipment and material.  However, teams shall include labor escalation in their price for the duration of this project.	<b>CLOSED</b>
PB-044	3.1.25	Warranty - this bid document states to include 1-year warranty, where as the specs call for 5-year warranties (pending which equipment). We recommend carrying standard 1-year warranty, with add/alt for extension to 5-year warranty to meet the spec.	<b>XL Construction, Alysha Fuchino</b>	July 18, 2023	Include 1-year warranty in base pricing. Provide add alternate for 5-year warranty.	<b>CLOSED</b>
PB-045	3.1.27	What mechanical mock-ups are anticipated for this project?	<b>XL Construction, David Barron</b>	July 20, 2023	No mechanical mock up required.	<b>CLOSED</b>
PB-051	23 3113 Section 3.2, F	Painting the duct sealer. Please confirm this shall be by the painting trade partner (not by mechanical).	<b>XL Construction, Alysha Fuchino</b>	July 18, 2023	Painting/Finishes will be by others and not provided by MEP. MEP teams can exclude.	<b>CLOSED</b>
PB-053	Lighting Requirements for Roof Zones A & B	Pls confirm there is NO lighting requirements for the Roof zones A and B.. Current permit drawings are not showing any lighting.	<b>SmithGroup</b>	July 19, 2023	SG (MC +EEOR): Exit sign only.	<b>CLOSED</b>
PB-055	Cable Tray Locations	Cable tray location/Quantity is not defined. On the second floor where the raised floor is going to be installed, we are planning on working with our Low voltage department and determine the best routing, mark up a drawing and include this quantity in our bid. Thoughts?	<b>XL Construction, Alysha F/Kartikeya D</b>	July 18, 2023	For scopes of work that are not entirely defined on the drawings, please provide layouts or takeoffs where your team must complete the scope. XL is looking for a holistic price package.	<b>CLOSED</b>
PB-057	PV System & Battery Size	1) Are we providing a complete PV System? I have always though it was going to be provided by Sage. We would love to provide, just need to know as the direction is conflicting. On the Single the equipment is shaded, and a note says provided by other but Attachments A says all provided by Electrical Contractor.  2) On the Same note, it says for us to provide a 2-hour battery in our base and a 4-hour battery as an add alt. What is the size of the battery?	<b>SmithGroup</b>	July 19, 2023		<b>OPEN</b>
PB-065	Mock-ups	What mock-ups does XL Construction expect for this project?	<b>SmithGroup</b>	July 19, 2023	SG (MC) The design Team is working a mock up to be coordinated with XL. Refer to specification for more information regarding Mock ups.  XL: See tab PB -005 within this log visual mock-up. Bidders to provide as ADD ALTERNATE COST. Performance mock-up required within specifications should be included within base bid.	<b>CLOSED</b>
PB-066	EV Chargers	What is the EV Charging scope?	<b>XL Construction, Alysha Fuchino</b>	July 18, 2023	Teams are expected to price the drawings up as their base, but shall include a unit rate price (add alt price) to add additional EV Charging spaces. This unit rate price shall include the infrastructure, cabling, EV charging station (per code).	<b>CLOSED</b>
PB-068	Fire Proofing - Electrical	Electrical to provide their own fire proofing for electrical equipments and systems where ever required. I am quite sure we are providing our own fire proofing. I did see this and wanted to make sure there was not going to be one firestopping contractor for the whole project.  This is from PDF Page 288 of the specifications 07 8413-2	<b>XL Construction, Alysha Fuchino</b>	July 20, 2023	Electrical to assume they are providing their your own Fireproofing	<b>CLOSED</b>

## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center  
**BID PACKAGE:** Bid Package #2  
**JOB NO.:** 4567

**July 24, 2023**

RFI Tag	Reference (Drawing / Spec / Bid Doc)	DESCRIPTION	RESPONSE BY (Smith Group/XL/SEOR)	DATE RESPONSE RECEIVED	RESPONSE	OPEN/ CLOSED
PB-069	Bid Document	It appears that we are missing the following items. •SMWC Demo Set •Hazardous Materials Report- Probation Building •LEED Checklist v4 •Geotechnical Report	<b>XL Construction, Terry Wong</b>	July 21, 2023	"Documents have been uploaded to BuildingConnected."	<b>CLOSED</b>
PB-001	Bid Document	Liquidated Damages - Please confirm liquidated matrix applicable to project.	<b>XL Construction, Terry Wong</b>			OPEN
PB-011	Drawings and Specs	Spec section 22 1317 2.6 B1 indicates under slab Storm piping will be sch-40 PVC. Section 22 1317 2.6 C5 indicates under slab Storm piping to be hub and spigot cast iron. Pipe schedule on drawing P7.1.1 indicates no-hub cast iron. Which material type is correct? Same question applies to under slab Waste and Vent piping.	<b>SmithGroup</b>			OPEN
PB-012	Underground	Please confirm hangers for underground piping are not required.	<b>SmithGroup</b>			OPEN
PB-015	Sub-soil drainage	Spec section 22 1317 2.6 F makes reference to Sub-soil drainage system; however, referenced system is not indicated on drawings. Please confirm Sub-soil drainage system is not required.	<b>SmithGroup</b>			OPEN
PB-017	Revit Model	Do you by chance have a Revit model for this project? If so do you think it would be possible to share it with me?	<b>XL Construction, Terry Wong</b>	July 19, 2023	SG (MC): Yes. Revit files can be found on BIM-360. XL has access to these	OPEN
PB-018	Temp Power Design	Pls confirm if the temp power design has been sized and completed by the design team and submitted to PGE ? If completed, pls post design doc's or provide direction if this SOW is to be included.	<b>SmithGroup</b>			OPEN
PB-020	Fire Pump Requirement	Pls confirm there is NO fire pump required for the project.	<b>SmithGroup</b>		SG (MC and FLSE) Confirmed.	OPEN
PB-021	M2.4	There is a note on the roof plan to provide a parapet cover over the boilers. Please confirm this scope will be carried by XL.	<b>XL Construction, Terry Wong</b>			OPEN
PB-022	M2.4	Two locations on the roof plan call for "provide platform for crossing over ductwork". Please confirm these catwalks will be carried by XL.	<b>XL Construction, Terry Wong</b>			OPEN
PB-023	M3.4	Four locations on the roof plan call for "provide platform to cross over pipes, typical". Please confirm these catwalks will be carried by XL.	<b>XL Construction, Terry Wong</b>			OPEN
PB-024	M6.1	Detail 10 of M6.1 calls for prefabricated rubber supports for rooftop ductwork. Please confirm durablocks or adequate, as determined during deferred submittal anchorage & vibration isolation support engineering by selected mechanical trade partner.	<b>SmithGroup</b>			OPEN
PB-025	M6.3	Detail 10 of M6.3 appears to show triple duty valves on the boiler plant HHW pumps. Typically we don't install these on 1 HP pumps, please clarify if these are required.	<b>SmithGroup</b>			OPEN
PB-026	M6.3	Detail 2 of M6.3 calls for (2) thermometers, a strainer, and a balancing valve at each water coil. Can these be eliminated? We have found that strainers at VAV reheat coils (unless regularly cleaned) become a source of pressure drop. The thermometers become inaccurate after a few years of operation. On variable flow systems, we have often seen balancing valves eliminated and allowing the control valve to modulate flow to the coil (self-balancing system).	<b>SmithGroup</b>			OPEN
PB-027	M7.1	The mechanical schedule (AHUs note #17, fans note #15, boilers note #2, condensing units note #7, etc) requests an alternate for 5-year extended parts + labor warranty. Please confirm we should include 1-year warranty on equipment in our base bid.	<b>SmithGroup</b>			OPEN
PB-028	M7.1	The HHW pump schedule calls for 2" deflection vibration isolation. This is in conflict with detail 8/M6.3 and the mechanical vibration isolation schedule on M7.2 which calls for 0.5" spring neoprene (model MND) for pumps less than 1 HP. Please clarify which we should follow for bid pricing.	<b>SmithGroup</b>			OPEN
PB-029	M7.2	The mechanical equipment vibration isolation schedule shows suspended mechanical piping to be supported with 1" springs (Mason RW30N). Please clarify how many feet (ex: within 50' of pumps) or does this apply to the entire system.	<b>SmithGroup</b>			OPEN
PB-030	M7.3	Room Pressurization schedule - Please confirm no magnehelic gauges or BMS room pressure monitoring is required, as we didn't see these points on the control I/O and flow diagrams on the M8.x dwgs.	<b>SmithGroup</b>			OPEN
PB-031	M8.2	Please clarify how OSA is being controlled for the AHUs.	<b>SmithGroup</b>			OPEN
PB-032	M8.2	Currently, the airflow diagram shows (2) AHU smoke detectors - one on the supply duct and one on the return duct. Please clarify if both are required, or if we should figure on one smoke detector.	<b>SmithGroup</b>			OPEN

## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center  
**BID PACKAGE:** Bid Package #2  
**JOB NO.:** 4567

**July 24, 2023**

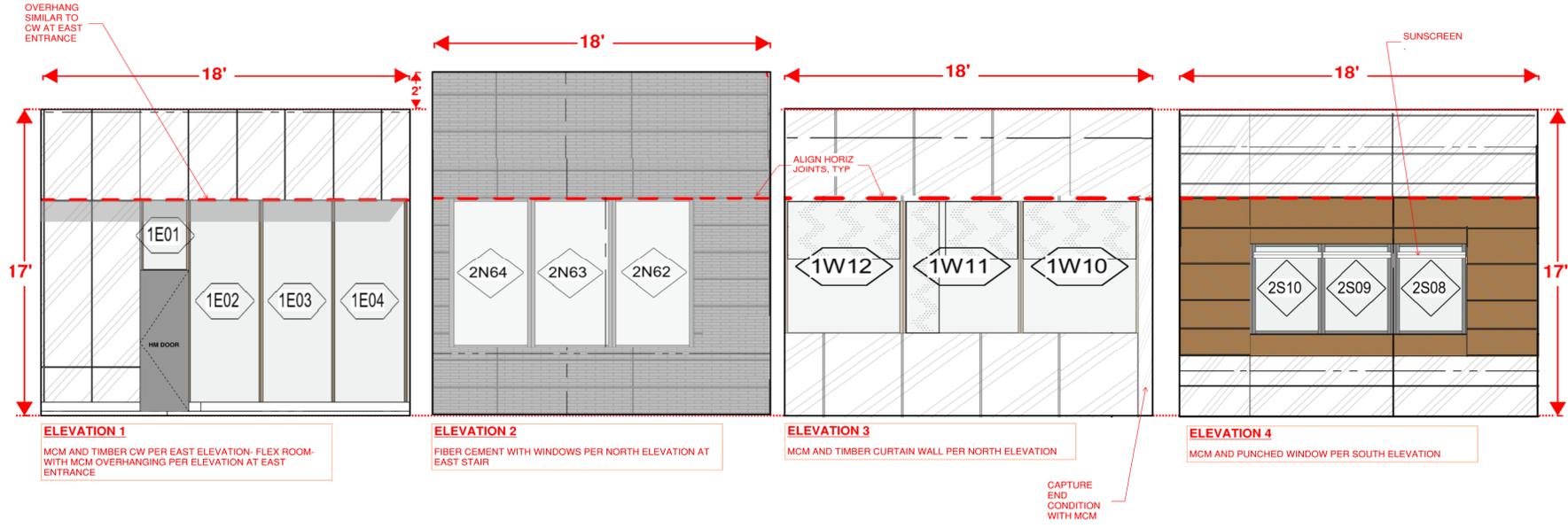
RFI Tag	Reference (Drawing / Spec / Bid Doc)	DESCRIPTION	RESPONSE BY (Smith Group/XL/SEOR)	DATE RESPONSE RECEIVED	RESPONSE	OPEN/ CLOSED
PB-033	M8.2	We recommend the AHU return fan be controlled as a function of duct static pressure or building pressure. Please confirm this is acceptable.	SmithGroup			OPEN
PB-034	M8.3	We recommend the location of the HHW system bypass valve be placed just upstream of the dPT, so the flow meter can be used to include flow through the bypass and ensure boiler minimum flow is maintained. We would like to work with the EOR to include control of the bypass valve in the SOO.	SmithGroup			OPEN
PB-035	M8.4	Please confirm space occupancy sensors shown on M8.4 are a function of BMS integration with the lighting control panel (IE we will NOT have TWO occupancy sensors - one for BMS and one for lighting, BMS will utilized the lighting system to meet T24 occupancy requirements, as implement on most projects).	SmithGroup			OPEN
PB-036	M.4	Please clarify control of exhaust VAVs, as this zone EAV points list/diagram is currently missing from M8.4.	SmithGroup			OPEN
PB-038	General	Please clarify requirements for 3rd party inspections of welding and anchors, or please point us to the applicable spec section or documents for these requirements (pertaining to mechanical).	SmithGroup			OPEN
PB-041	2.XIX.1	Section 2 Project Requirements: Liquidated Damages - Please confirm the liquidated damages are \$xyz	XL Construction, Terry Wong			OPEN
PB-043	3.I.9	Commissioning - has a CxA been selected by the county yet? If so, which company will be performing Cx?	XL Construction, Terry Wong			OPEN
PB-046	3.II.21	The BMS controls scope of work lists that DDC panels must be UL-listed. This is not typical and comes at a cost premium. Can you confirm UL-listed low-voltage DDC panels are not required?	SmithGroup			OPEN
PB-047	23 3113 Section 3.6, A	Stainless steel duct is called out in the specs. Please confirm this is only applicable to the stainless steel dishwasher duct.	SmithGroup			OPEN
PB-048	23 3113 Section 2.2, C 4 b	Requires EOR sign-off to use TDC flanges. Please confirm TDC flanges are acceptable.	SmithGroup			OPEN
PB-049	General	Double wall ductwork. This is in the spec, but doesn't appear applicable. Please confirm double-wall duct is not applicable to the project.	SmithGroup			OPEN
PB-050	23 3113 Section 3.1, I	Wrapping the duct with angle at penetrations. Is this accurate?	SmithGroup			OPEN
PB-052	23 0900 Section 3.12, D	Is conduit required between BMS zone devices? Or can plenum-rated cable be ran in the ceiling space and above/on duct or piping? Note: The controls spec is a little bit contradicting, as it states that plenum-rated cable is ok, but also references both sections 26 0500 and 27 1500 which requires conduit.	SmithGroup			OPEN
PB-054	Exhibit C.2 Demo & Abatement	Exhibit C.2, which covers the Scope of Work for Demo & Abatement, mentions the AEI pre-demolition abatement survey. After downloading all the files, we could not find the AEI report dated June 2nd. Please advise.	XL Construction, Phill Guymer			OPEN
PB-056	Raised Floor Level 2	The raised floor on Level 2 is not continuous to the IDF where the cables originate from. Is this correct?	SmithGroup			OPEN
PB-058	AV Specifications	Is there a plan to provide additional information for A/V? Specifications?	SmithGroup			OPEN
PB-059	Blue Phones	Are Blue phones to be included in the parking lot?	SmithGroup			OPEN
PB-060	Trenching	Are we digging our own trench from the street to the PG&E service or are we to use the joint trench shown on the civil drawings?	SmithGroup			OPEN
PB-061	Exhibit C.2 Rough-In for LV Mass Notification, RFID, pos, Ambulance/ Facility Radio System	On Exhibit C.2 it shown Electrical providing the rough in for Mass Notification, RFID, pos, Ambulance/ Facility Radio System. Patient Arrival/Record System and Time and Attendance System but we don't see anything on the drawings showing the Electrical rough. Please confirm.	SmithGroup			OPEN
PB-062	HVAC Zoning	VAV boxes - - - > Comparing schedules to floor plans, the total count is correct. However, there are (2) additional RH coils on the floor plan vs. the schedules. Please confirm what zoning plan/count is accurate.	SmithGroup			OPEN
PB-063	Rooftop Exhaust Duct	Rooftop exhaust duct - - - > Some of the rooftop exhaust duct calls for internal acoustical lining. This is NOT recommended. Please confirm this is infact the design intent.	SmithGroup			OPEN
PB-064	Sound Mitigation	AHU Attenuators - - - > The schedule for the AHU sound attenuators isn't filled out with a manufacturer or model (only insertion loss tables provided). Couldn't find any listed attenuation manufacturers in the spec (only duct flex attenuation, used at registers) so we can reach out for pricing, but with this plan/spec, I would imagine the Smith Group MEOR has an idea of what they want. Please confirm.	SmithGroup			OPEN

### PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center  
**BID PACKAGE:** Bid Package #2  
**JOB NO.:** 4567

July 24, 2023

RFI Tag	Reference (Drawing / Spec / Bid Doc)	DESCRIPTION	RESPONSE BY (Smith Group/XL/SEOR)	DATE RESPONSE RECEIVED	RESPONSE	OPEN/ CLOSED
PB-067	Elward System Corporation- Metal Composite Material Wall Panel	One of our vendors (Elward) who is looking at pricing the Swiss Pearl and Composite Panel is not listed in the spec as an approved fabricator. I have attached a request for them to be added to the spec here. Please let me know if this will be possible.	<b>SmithGroup</b>			OPEN



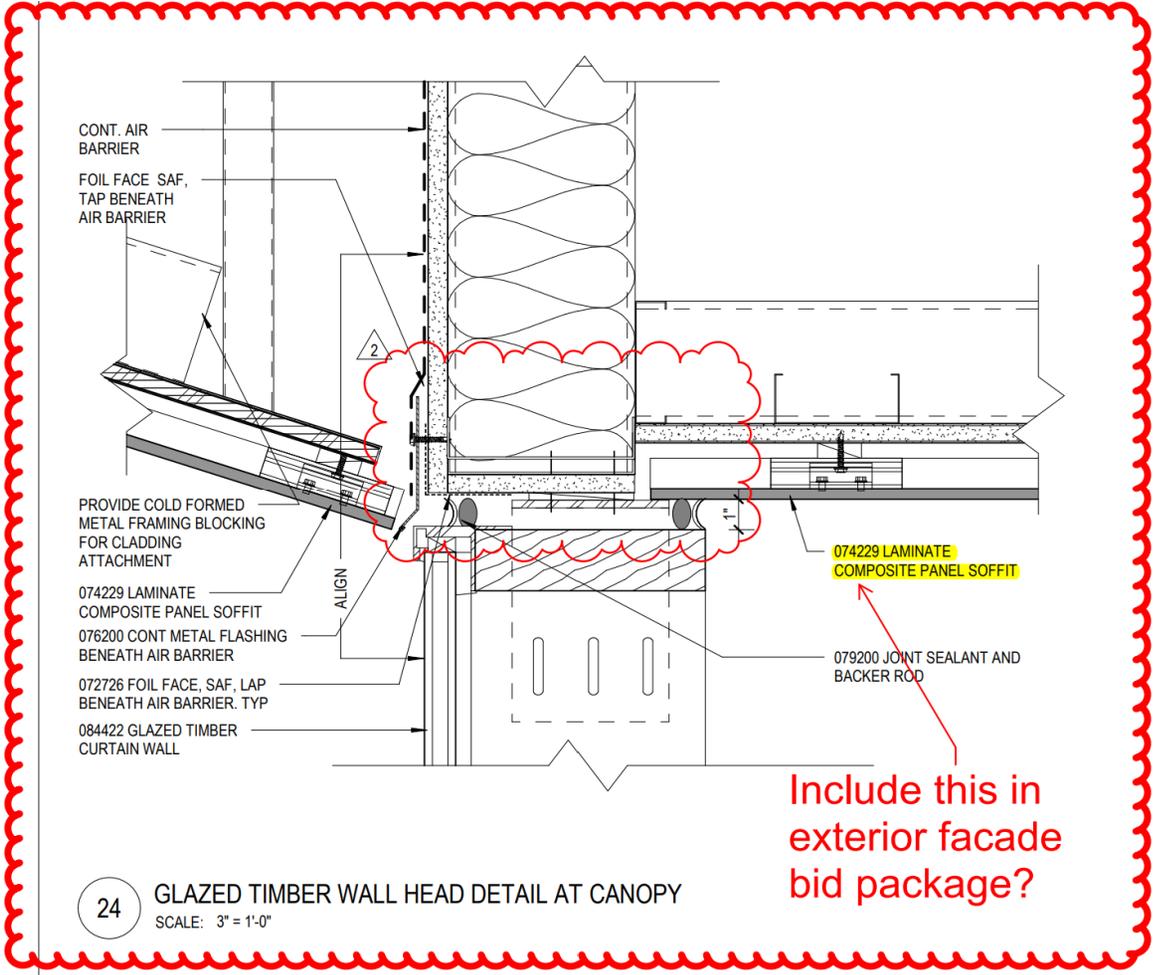
**ELEVATION 1**  
MCM AND TIMBER CW PER EAST ELEVATION- FLEX ROOM- WITH MCM OVERHANGING PER ELEVATION AT EAST ENTRANCE

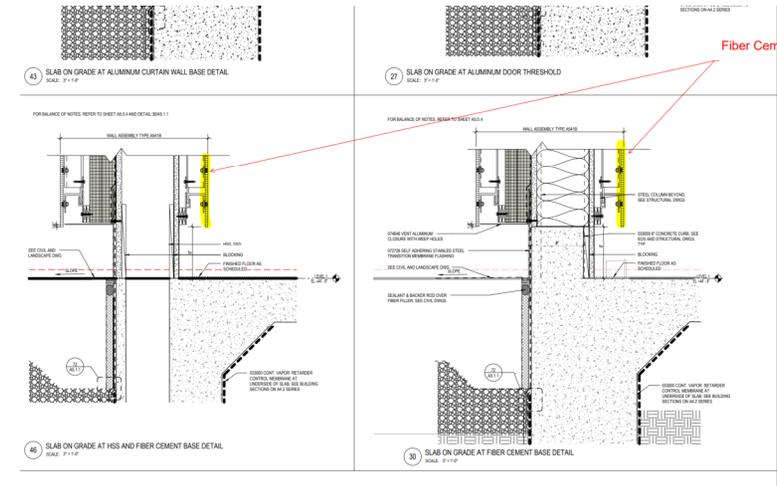
**ELEVATION 2**  
FIBER CEMENT WITH WINDOWS PER NORTH ELEVATION AT EAST STAIR

**ELEVATION 3**  
MCM AND TIMBER CURTAIN WALL PER NORTH ELEVATION

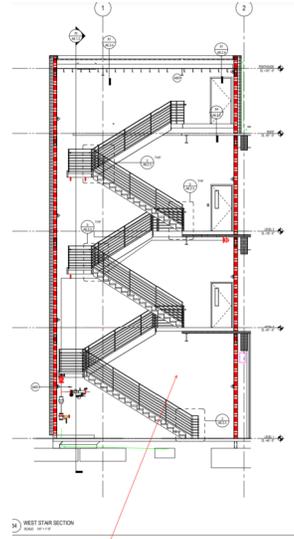
**ELEVATION 4**  
MCM AND PUNCHED WINDOW PER SOUTH ELEVATION

**SOUTH SAN FRANCISCO WELLNESS CENTER  
PRELIMINARY MOCK UP SKETCH  
NOT TO SCALE  
JULY 19, 2023  
SMITHGROUP**

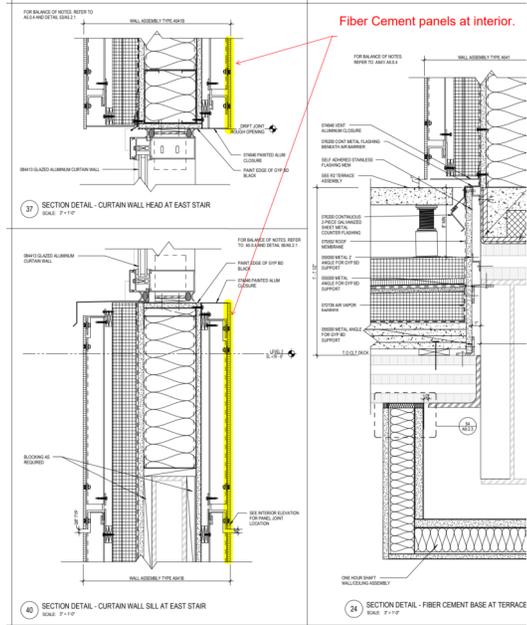




Fiber Cement panels at interior.



Fiber Cement panels not shown but details show panels. Please confirm if panels occur here.



Fiber Cement panels at interior.

## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center  
**BID PACKAGE:** Bid Package #2  
**JOB NO.:** 4567

**July 25, 2023**

RFI Tag	Reference (Drawing / Spec / Bid Doc)	DESCRIPTION	RESPONSE BY (Smith Group/XL/SEOR)	RESPONSE	OPEN/ CLOSED
PB-001	Bid Document	Liquidated Damages - Please confirm liquidated matrix applicable to project.	<b>XL Construction, Terry Wong</b>	XL: Liquidated Damages apply. Please see master agreement for Liquidated Damages.	Add #4
PB-011	Drawings and Specs	Spec section 22 1317 2.6 B1 indicates under slab Storm piping will be sch-40 PVC. Section 22 1317 2.6 C5 indicates under slab Storm piping to be hub and spigot cast iron. Pipe schedule on drawing P7.1.1 indicates no-hub cast iron. Which material type is correct? Same question applies to under slab Waste and Vent piping.	<b>SmithGroup</b>	SG (Plumbing Eng) Materials for storm and sanitary waste to follow material schedule on sheet P7.1.1 of the construction documents.	Add #4
PB-012	Underground	Please confirm hangers for underground piping are not required.	<b>SmithGroup</b>	SG (Plumbing Eng) Underground piping to be coordinated with ground improvement contractor per code. XL to follow up accordingly	Add #4
PB-015	Sub-soil drainage	Spec section 22 1317 2.6 F makes reference to Sub-soil drainage system; however, referenced system is not indicated on drawings. Please confirm Sub-soil drainage system is not required.	<b>SmithGroup</b>	SG (Plumbing Eng) Sub-soil drainage systems not required.	Add #4
PB-017	Revit Model	Do you by chance have a Revit model for this project? If so do you think it would be possible to share it with me?	<b>XL Construction, Terry Wong</b>	SG (MC): Yes. Revit files can be found on BIM-360. XL has access to these	Add #4
PB-018	Temp Power Design	Pls confirm if the temp power design has been sized and completed by the design team and submitted to PGE ? If completed, pls post design doc's or provide direction if this SOW is to be included.	<b>SmithGroup</b>	SG (EEOR) Temp power design scope is typically by the GC. If this should have been SG's scope please advise, ASAP. If the client wants to add this to our scope, this should be a separate fee.	Add #4
PB-020	Fire Pump Requirement	Pls confirm there is NO fire pump required for the project.	<b>SmithGroup</b>	SG (MC and FLSE) Confirmed.	Add #4
PB-021	M2.4	There is a note on the roof plan to provide a parapet cover over the boilers. Please confirm this scope will be carried by XL.	<b>XL Construction, Terry Wong</b>	XL: Scope to be by others (not by mechanical trade partner). Mechanical trade partner to provide coordination.	Add #4
PB-022	M2.4	Two locations on the roof plan call for "provide platform for crossing over ductwork". Please confirm these catwalks will be carried by XL.	<b>XL Construction, Terry Wong</b>	XL: Scope to be by others (not by mechanical trade partner)	Add #4
PB-023	M3.4	Four locations on the roof plan call for "provide platform to cross over pipes, typical". Please confirm these catwalks will be carried by XL.	<b>XL Construction, Terry Wong</b>	XL: Scope to be by others (not by mechanical trade partner)	Add #4
PB-024	M6.1	Detail 10 of M6.1 calls for prefabricated rubber supports for rooftop ductwork. Please confirm durablocks or adequate, as determined during deferred submittal anchorage & vibration isolation support engineering by selected mechanical trade partner.	<b>SmithGroup</b>	SG (MEOR) Alternate supports can be acceptable pending review by engineer.	Add #4

## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center  
**BID PACKAGE:** Bid Package #2  
**JOB NO.:** 4567

**July 25, 2023**

RFI Tag	Reference (Drawing / Spec / Bid Doc)	DESCRIPTION	RESPONSE BY (Smith Group/XL/SEOR)	RESPONSE	OPEN/ CLOSED
PB-025	M6.3	Detail 10 of M6.3 appears to show triple duty valves on the boiler plant HHW pumps. Typically we don't install these on 1 HP pumps, please clarify if these are required.	SmithGroup	SG (MEOR) Triple duty valves are required based on system configuration.	Add #4
PB-026	M6.3	Detail 2 of M6.3 calls for (2) thermometers, a strainer, and a balancing valve at each water coil. Can these be eliminated? We have found that strainers at VAV reheat coils (unless regularly cleaned) become a source of pressure drop. The thermometers become inaccurate after a few years of operation. On variable flow systems, we have often seen balancing valves eliminated and allowing the control valve to modulate flow to the coil (self-balancing system).	SmithGroup	SG (MEOR) Provide strainer, balancing valves and thermometers at air handlers coils. All other coils to be provided with P/T plugs for temperature and pressure measurement a strainer and a balancing valve.	Add #4
PB-027	M7.1	The mechanical schedule (AHUs note #17, fans note #15, boilers note #2, condensing units note #7, etc) requests an alternate for 5-year extended parts + labor warranty. Please confirm we should include 1-year warranty on equipment in our base bid.	SmithGroup	SG (MEOR) Confirmed. Base bid 1 year warranty and alternate bid 5 year warranty.	Add #4
PB-028	M7.1	The HHW pump schedule calls for 2" deflection vibration isolation. This is in conflict with detail 8/M6.3 and the mechanical vibration isolation schedule on M7.2 which calls for 0.5" spring neoprene (model MND) for pumps less than 1 HP. Please clarify which we should follow for bid pricing.	SmithGroup	SG (MEOR) Provide 2" deflection isolator off of schedule. The detail will be corrected.	Add #4
PB-029	M7.2	The mechanical equipment vibration isolation schedule shows suspended mechanical piping to be supported with 1" springs (Mason RW30N). Please clarify how many feet (ex: within 50' of pumps) or does this apply to the entire system.	SmithGroup	SG (MEOR) Provide pipe isolators for within 50 ft of pumps only.	Add #4
PB-030	M7.3	Room Pressurization schedule - Please confirm no magnehelic gauges or BMS room pressure monitoring is required, as we didn't see these points on the control I/O and flow diagrams on the M8.x dwgs.	SmithGroup	SG (MEOR) Confirmed. Pressure monitoring is not required.	Add #4
PB-031	M8.2	Please clarify how OSA is being controlled for the AHUs.	SmithGroup	SG (MEOR) OSA is controlled by BMS with air measuring station monitoring outside air flow and adjusting the outside air damper to maintain required design outside air flow.	Add #4
PB-032	M8.2	Currently, the airflow diagram shows (2) AHU smoke detectors - one on the supply duct and one on the return duct. Please clarify if both are required, or if we should figure on one smoke detector.	SmithGroup	SG (MEOR) Confirmed, provide a smoke detector on supply and one on return as shown.	Add #4
PB-033	M8.2	We recommend the AHU return fan be controlled as a function of duct static pressure or building pressure. Please confirm this is acceptable.	SmithGroup	SG (MEOR) It is acceptable to operate return fan off of the return duct static pressure. Off of building pressure is not acceptable.	Add #4
PB-034	M8.3	We recommend the location of the HHW system bypass valve be placed just upstream of the dPT, so the flow meter can be used to include flow through the bypass and ensure boiler minimum flow is maintained. We would like to work with the EOR to include control of the bypass valve in the SOO.	SmithGroup	SG (MEOR) Proposed location for the bypass valve is acceptable. Verify with manufacturer and provide as required. Submit for review prior to any work.	Add #4
PB-035	M8.4	Please confirm space occupancy sensors shown on M8.4 are a function of BMS integration with the lighting control panel (IE we will NOT have TWO occupancy sensors - one for BMS and one for lighting, BMS will utilized the lighting system to meet T24 occupancy requirements, as implement on most projects).	SmithGroup	SG (MEOR) Confirmed. Only one occupancy sensor is required and connected to BMS that will provide T24 occupancy requirements for the space.	Add #4

## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center  
**BID PACKAGE:** Bid Package #2  
**JOB NO.:** 4567

**July 25, 2023**

RFI Tag	Reference (Drawing / Spec / Bid Doc)	DESCRIPTION	RESPONSE BY (Smith Group/XL/SEOR)	RESPONSE	OPEN/ CLOSED
PB-036	M.4	Please clarify control of exhaust VAVs, as this zone EAV points list/diagram is currently missing from M8.4.	SmithGroup	SG (MEOR) Exhaust VAVs will operate to maintain volumetric offset with the supply VAV to maintain room pressurization. Volumetric offset is shown in the drawings and will be updated based on test and balance to maintain room pressurization while maintaining required door opening force per code.	Add #4
PB-038	General	Please clarify requirements for 3rd party inspections of welding and anchors, or please point us to the applicable spec section or documents for these requirements (pertaining to mechanical).	SmithGroup	SG (MEOR) Welding AWS certification is required as specified. Certified welder's work to be inspected by construction manager of the project or a qualified individual from the GC. For isolators and seismic anchors and bracings specification 230548 requires manufacturer's qualified technician to inspect the installation.	Add #4
PB-041	2.XIX.1	Section 2 Project Requirements: Liquidated Damages - Please confirm the liquidated damages are \$xyz	XL Construction, Terry Wong	XL: Question unclear '\$xyz'?? Please see master agreement for terms on liquidated damages.	Add #4
PB-043	3.I.9	Commissioning - has a CxA been selected by the county yet? If so, which company will be performing Cx?	XL Construction, Terry Wong	XL: Commissioning Agent has not been selected by the County yet.	Add #4
PB-046	3.II.21	The BMS controls scope of work lists that DDC panels must be UL-listed. This is not typical and comes at a cost premium. Can you confirm UL-listed low-voltage DDC panels are not required?	SmithGroup	BlackBox (Technology Eng.) BMS panels and requirements are not part of LV and I believe are part of Mech requirements. That being said, UL listed boxes for BMS is what I typically see inside IT and Elec rooms.	Add #4
PB-047	23 3113 Section 3.6, A	Stainless steel duct is called out in the specs. Please confirm this is only applicable to the stainless steel dishwasher duct.	SmithGroup	SG (MEOR) Confirmed, this is needed for dishwasher only.	Add #4
PB-048	23 3113 Section 2.2, C 4 b	Requires EOR sign-off to use TDC flanges. Please confirm TDC flanges are acceptable.	SmithGroup	SG (MEOR) Confirmed.	Add #4
PB-049	General	Double wall ductwork. This is in the spec, but doesn't appear applicable. Please confirm double-wall duct is not applicable to the project.	SmithGroup	SG (MEOR) Confirmed.	Add #4
PB-050	23 3113 Section 3.1, I	Wrapping the duct with angle at penetrations. Is this accurate?	SmithGroup	SG (MEOR) Yes, with sheet metal flanges as stated in the specification.	Add #4
PB-052	23 0900 Section 3.12, D	Is conduit required between BMS zone devices? Or can plenum-rated cable be ran in the ceiling space and above/on duct or piping? Note: The controls spec is a little bit contradicting, as it states that plenum-rated cable is ok, but also references both sections 26 0500 and 27 1500 which requires conduit.	SmithGroup	SG (MEOR) Use of plenum rated cable is not acceptable.	Add #4
PB-054	Exhibit C.2 Demo & Abatement	Exhibit C.2, which covers the Scope of Work for Demo & Abatement, mentions the AEI pre-demolition abatement survey. After downloading all the files, we could not find the AEI report dated June 2nd. Please advise.	XL Construction, Phill Guymer	XL: Drawings and reports can be found in the files module of building connected. Specifically in the folder labeled '7.11 Permit Set'	Add #4

## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center  
**BID PACKAGE:** Bid Package #2  
**JOB NO.:** 4567

**July 25, 2023**

RFI Tag	Reference (Drawing / Spec / Bid Doc)	DESCRIPTION	RESPONSE BY (Smith Group/XL/SEOR)	RESPONSE	OPEN/ CLOSED
PB-056	Raised Floor Level 2	The raised floor on Level 2 is not continuous to the IDF where the cables originate from. Is this correct?	SmithGroup	SG (MC) Per Structural Drawings the IDF room is a raised floor, see Sheet S1.1.4 for legend for floor paln shades	Add #4
PB-058	AV Specifications	Is there a plan to provide additional information for A/V? Specifications?	SmithGroup	BlackBox (Technology Eng.) Per coordination in 2021 with the Client, the AV equipment was going to be provided by the client. The only items in LV design are the HDMI/CAT6 infrastructure.	Add #4
PB-059	Blue Phones	Are Blue phones to be included in the parking lot?	SmithGroup	BlackBox (Technology Eng.) Per the previous meeting with Owner back in 2021, Blue phones or any CCTV in the parking area was not required. However, this is worth asking the new team whether this is something they want to pursue.	Add #4
PB-060	Trenching	Are we digging our own trench from the street to the PG&E service or are we to use the joint trench shown on the civil drawings?	SmithGroup	XL: Per Exhibit C.2, Electrical Trade Parnter to include for own work. See items #6 and #7 under Part B/Electrical section.	Add #4
PB-061	Exhibit C.2 Rough-In for LV Mass Notification, RFID, pos, Ambulance/ Facility Radio System	On Exhibit C.2 it shown Electrical providing the rough in for Mass Notification, RFID, pos, Ambulance/ Facility Radio System. Patient Arrival/Record System and Time and Attendance System but we don't see anything on the drawings showing the Electrical rough. Please confirm.	SmithGroup	SG (EEOR) + BlackBox (Technology Eng.) What is this C.2? Are you saying these items aren't shown on the elec drawings? Can the E.C. look to the technology drawings for device locations? This would avoid duplicating work/creating inconsistencies. The technology general notes discuss conduit sizes. Per 2021 meetings with the client, RFID, POS, Ambulance Radio, Patient Arrival and Time/Attendance were not part of LV or the project.	Add #4
PB-062	HVAC Zoning	VAV boxes - - - > Comparing schedules to floor plans, the total count is correct. However, there are (2) additional RH coils on the floor plan vs. the schedules. Please confirm what zoning plan/count is accurate.	SmithGroup	SG (MEOR) Confirmed.	Add #4
PB-063	Rooftop Exhaust Duct	Rooftop exhaust duct - - - > Some of the rooftop exhaust duct calls for internal acoustical lining. This is NOT recommended. Please confirm this is infact the design intent.	SmithGroup	SG (MEOR) Provide lining as shown.	Add #4
PB-064	Sound Mitigation	AHU Attenuators - - - > The schedule for the AHU sound attenuators isn't filled out with a manufacturer or model (only insertion loss tables provided). Couldn't find any listed attenuation manufacturers in the spec (only duct flex attenuation, used at registers) so we can reach out for pricing, but with this plan/spec, I would imagine the Smith Group MEOR has an idea of what they want. Please confirm.	SmithGroup	SG (MEOR) Provide Vibro acoustic, IAC or equal.	Add #4
PB-067	Eldward System Corporation- Metal Composite Material Wall Panel	One of our vendors (Elward) who is looking at pricing the Swiss Pearl and Composite Panel is not listed in the spec as an approved fabricator. I have attached a request for them to be added to the spec here. Please let me know if this will be possible.	SmithGroup	SG (MC) Yes. We can add it to the spec	Add #4
PB-070	Sheet A2.1.A	Provide some clarification on the following item. On A2.1.1A, there is an elevation 40/A8.1.2 which shows section cuts 14 and 16 on A9.1.5. These details show 2 layers of drywall on one side of the wall and tilebacker on the other side of the wall. However, the wall type at that location is A041, which only calls for 1 layer of gyp on each side. Any clarification would be great. Thanks!	SmithGroup	SG (MC) Wall types are correct. Architectural details will be clarified	Add #4

## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center  
**BID PACKAGE:** Bid Package #2  
**JOB NO.:** 4567

July 25, 2023

RFI Tag	Reference (Drawing / Spec / Bid Doc)	DESCRIPTION	RESPONSE BY (Smith Group/XL/SEOR)	RESPONSE	OPEN/ CLOSED
PB-071	Electrical	<p>Please provide additional clarification for the following mandatory unit prices.</p> <ul style="list-style-type: none"> <li>• Electrical for (1) new Elevator               <ul style="list-style-type: none"> <li>o Should this include electrical feeder only?</li> <li>o What additional scope (if any) should be included?</li> </ul> </li> <li>• Cost to add more conduit               <ul style="list-style-type: none"> <li>o What size conduit? ¾" EMT</li> </ul> </li> <li>• Cost to add more cabling               <ul style="list-style-type: none"> <li>o What type/size cabling? 12/3 MC Cable?</li> </ul> </li> <li>• Cost to increase electrical load               <ul style="list-style-type: none"> <li>o Please clarify intent of the unit price. The available spare capacity would be determined by the EOR. Increasing the service size would require redesign in order to determine cost impacts</li> </ul> </li> </ul>	<b>XL Construction, Alysha Fuchino</b>	XL: Prebid question was provided too late for proper evaluation from project team. Please provide per specifications and drawings, list any clarifications or assumptions necessary.	Add #4
PB-072	Pipe Specification	The Spec sheet is calling for "standard-weight" piping for 4" and below. Can someone confirm that is schedule 40 pipe? Industry standard is sch 40 1" and below and sch 10 above 1". The price difference is significant if sch 40 is required for 4" and under.	<b>SmithGroup</b>	SG (FLSE) SG standard is Schedule 40 for 2" and below	Add #4
PB-073	ESC Cover Letter	Please find the attached cover letter and drop box link below for a substitution request for Elward Systems to be listed as an approved fabricator for the MCM panels. Please let me know if you have any questions.	<b>XL Construction, Terry Wong</b>	XL: Prebid question was provided too late for proper evaluation from project team. Please provide product in specification and drawings as base proposal. Provide substitution as add alternate within bid form.	Add #4

## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center.  
**BID PACKAGE:** 3  
**JOB NO.:** Job Number: 4567.

**August 25, 2023**

RFI Tag	TRADE IMPACTED	DESCRIPTION	RESPONSE
1	All Trades	When are proposals due for this project?	Bid Date Extended to 8/28 (Monday) - 5PM.
2	Toilet Partition & Bathroom Accessories	1. Per the bid sheet, coat hooks are part of this bid package. There are OFCI coat hooks listed on A11.1.1 but there are also others listed on A9.3.1 that are mounted to the door. Are the ones shown on A9.3.1 also OFCI? If not, what is the make/model for these coat hooks. 2. Baby Changing Station KB110 Series has been discontinued. Please confirm if a KB310-SSWM is acceptable. 3. Please confirm if Restroom Mirrors L10 is part of the Lighting Package and that the Toilet Partion / Accessories Sub is only responsible for B-165.	SG: 1. The ones listed on A9.3.1 are also OFCI. 2. KB310-SSWM (43 3/4"W) is too wide to fit in the public restrooms. Can we switch to Bradley 962-11? It is more comparable in size with KB110. If we must stick to a Bobrick product, I suggest we switch to recessed changing station KB310-SSRE (41 5/16"W). The 4" deep recess should work on the current wall type. 3. Confirmed
3	Window Treatment	Should California Blind Company quote the entire building for roller shades or just the occupied area. The more shades that I get quoted, the more discount I will receive from Mecho.	Please provide at locations called out on the plans. Provide add alternates for the other locations which are not on plans (2nd and 3rd floor shell)
4	Toilet Partition & Bathroom Accessories	Provided in the bid documents were Spreadsheet 0683-SMWC-Med EQ RxR and Sheets AQ1.1.1 and AQ1.1.2. Please confirm if there are any differences, which matrix is the most current between the spreadsheet and the list on the drawing set.	SG: There shouldn't be any differences. Schedule on AQ1.1.1 and AQ1.1.2 is and should be just a condensed version of the spreadsheet.
5	Toilet Partition & Bathroom Accessories	10 11 00 Visual Display Units - Please confirm locations, size, and spec for markerboards. The only reference that could be found is in the furniture schedule A11.1.1. In the Furniture Schedule, ACC03-Markerboard Accessories are noted in the offices. In Spec Section 10 11 00, the summary notes Glass Markerboards but 2.3.C calls out for Porcelain Enamel Markboards. 2.3.B notes that the size are as indicated on the Drawings.	SG: Currently we don't have any Markerboard/tackboard in the building. ACC03 is a markerboard tool holder mounted on walls with dry erase coating. We will provide typical location for ACC03 in appropriate drawing package.
6	Toilet Partition & Bathroom Accessories	For the Phenolic Lockers, please confirm if the interior finish is also to be PL3.	SG: Confirmed.
7	Doors, Frames & Hardware	Please confirm the wood doors are to match WV1 Laminart Venneer Art Color 995-TG Blond Sycamore Finish Tru Grain	SG: Confirmed.

## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center.  
**BID PACKAGE:** 3  
**JOB NO.:** Job Number: 4567.

**August 25, 2023**

RFI Tag	TRADE IMPACTED	DESCRIPTION	RESPONSE
8	Doors, Frames & Hardware	There is nothing in the spec about a specific veneer and the door schedule table is blank. Please advice.	SG: See answer above.
9	All Trades	Does the Skilled and Trained requirement per Exhibit I only apply to design build contractors, or does it apply to all?	Applies to all trades
10	Painting - Intumescent Coating	<p>Per the Intumescent Scope of work, it states to pick up Intumescent as indicated on specific plan sheets. One of the plan sheets stated is page A5.2.2. On this page, details 46, 54, 70 &amp; 72 reference Intumescent. I cannot tell where these locations are within the project.</p> <p>If they are within the stairwells where Intumescent is clearly stated than I have these covered, unfortunately I cannot find any reference to these specific details within any of the stairwell drawings, either on architectural or structural. Can we please see if we can get a clarification on these details locations</p> <p>Also could you please clarify the finish on the glazed timber curtain wall details &amp; glazed curtain wall detail? Will this be the responsibility of the glazing contractor?</p>	<p>SG: Intumescent paint is required at columns and beams around the exterior perimeter wall of both stairs. Details found on A5 series are referenced on A4 series. Some of the details in question are referenced on sheet A4.4.1. Also Structural referenced the paint on sheet S7.1.1</p> <p>Refer to the specifications book for Curtain walls finishes. Coordinate responsibilities with General Contractor</p>
11	Interior Glass & Glazing	<p>1. Spec section 81216 – calls out for demountable/interior partition system door and frame with U-channel sidelites. Please verify that door and frame will be supplied by others and Royal Glass to supply and install U-channel and sidelite glazing only at Interior storefront Elevations E, F, G, H, J, K, L, M, &amp; P on sheet A9.3.2.</p> <p>2. Dr. #1004B calls out All Glass sliding door with elevation type G. Please verify if sliding door glass needs to be glass type GL6 or DG-1 to match sidelite as shown on sheet A9.3.2</p> <p>3. Dr. #1355 door schedule calls out for wood door type is called out as SAL. Please verify if this door is to be wood door or aluminum.</p> <p>4. Dr. #230.1 calls out All Glass swing door detail 56/A9.3.6 shows Aluminum door. Please verify if door should be All Glass or Aluminum.</p> <p>5. Frame elevation II on sheet A9.3.2 shows sidelite at frames by others. Please verify that Royal Glass is responsible for supplying and installing glass into frames by others.</p> <p>6. Dr. hardware sets 18 &amp; 19 call out for hardware typical with Aluminum swing doors. Please verify what type of hardware is to be used with All Glass doors called out.</p>	<p>SG:</p> <p>1. Elevations E, F, G, H, J, K, L, M, &amp; P (interior storefront ISF-1) are covered by spec section 081219.</p> <p>2. Glass type is listed on door schedule/A9.3.1. Door 1004B is glass type DG-1.</p> <p>3. Door type should be SF (Sliding Flush). It should be a wood door without glass. We will update door schedule.</p> <p>4. Door should be All Glass.</p> <p>5. XL to clarify scope for Royal Glass</p> <p>6. Door hardware group per door schedule. See sheets A5.4.1 and A9.3.1</p>
12	Acoustical Wall Panels	<p>The spec calls for Decoustic wall panel which is proprietary system which we cannot do. Also the alternate for Conwed which is proprietary system which we cannot do. Another is Wall Technology which is proprietary system which we cannot do.</p> <p>If you would like a price for the wall panels we would need to use the Fabric Mate system which we are licensed to do.</p> <p>If not you would need to reach out to a contractor that are licensed for these systems.</p>	<p>SG: the Design Team would like to keep a proprietary system per specs. However, the Design Team could review Fabric Mate system as long as it complies with quality assurance and performance requirements as specified.</p>

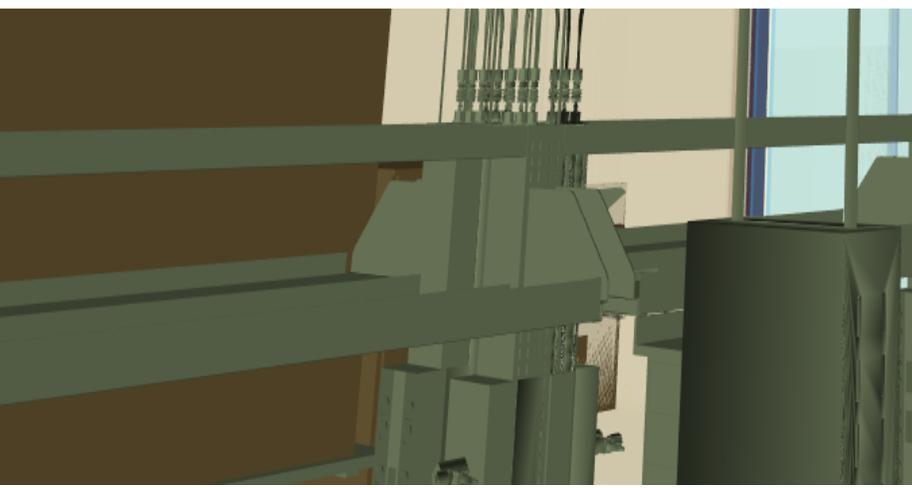
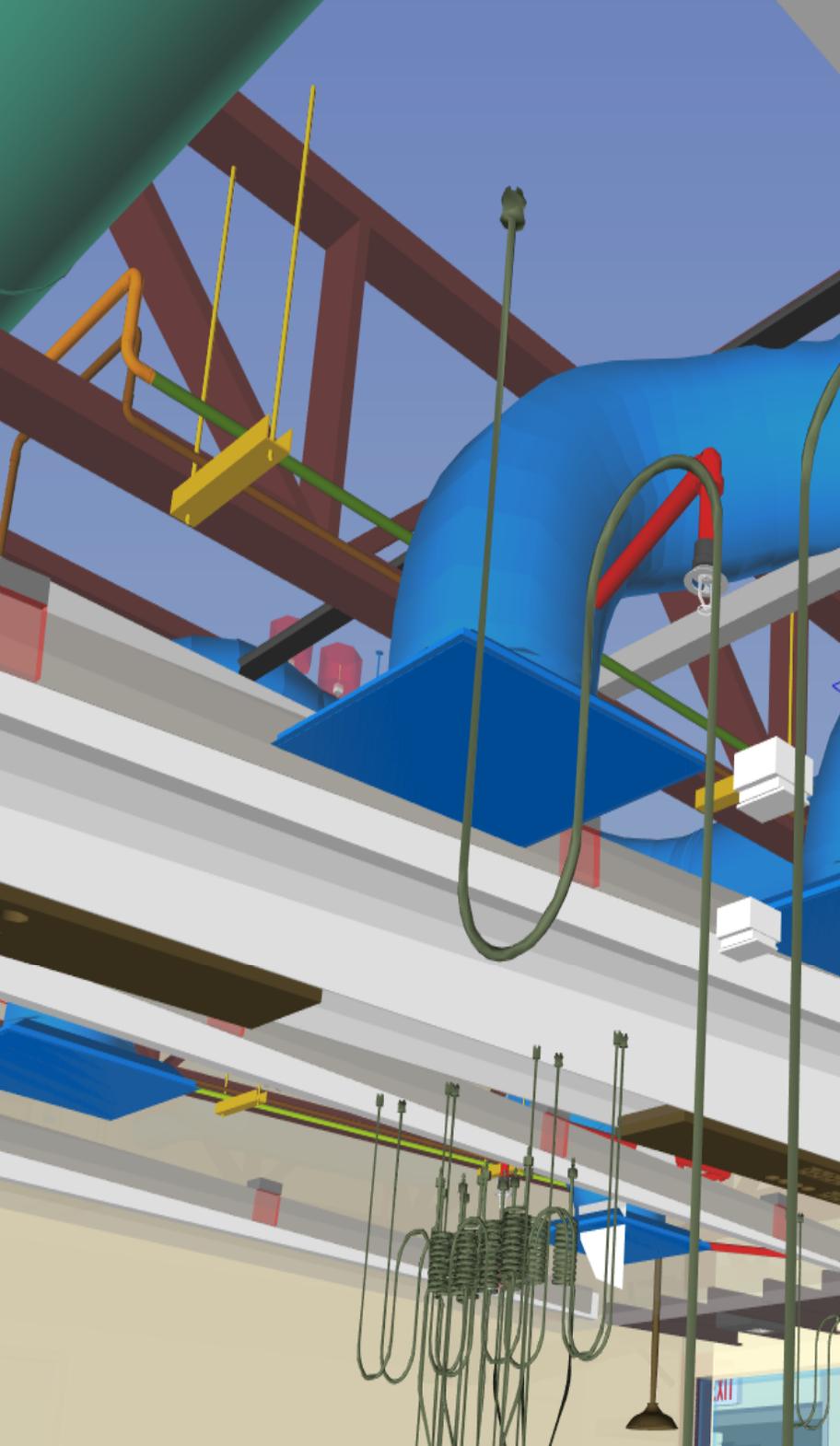
## PRE-BID REQUEST FOR INFORMATION (RFI) LOG

**PROJECT NAME:** County of San Mateo - Wellness Center.  
**BID PACKAGE:** 3  
**JOB NO.:** Job Number: 4567.

**August 25, 2023**

RFI Tag	TRADE IMPACTED	DESCRIPTION	RESPONSE
13	Toilet Partition & Bathroom Accessories	Laminart does not offer CGL and therefore Bobrick cannot quote the specified Laminart 2428-T Bisque (Textured). Is Formica 929 Oyster Gray an acceptable alternate for this bid?	SG: The Design Team will need to see samples for comparison in order to approve alternate color
14	Casework	FYI, the manufacturer of the solid surface material SS4 has not been returning phone calls. As of right now, we have not been able to confirm pricing. Please advise if you have alternate contact information for the manufacturer or their representative.	SG: Our Rep contact info is: Nick Verina 917-407 5918 nick@eos-surfaces.com
15	Tile	093013 Tiling, subsection 3.10, A. Identifies installation method for Exterior Roof/deck floor installations, we have not identified any conditions this would be applicable. Please advise if there is exterior Roof/Deck tile installations required as part of this bid package.	SG: The section part in question is in reference to part 2.3 C There are precast ballast pavers on the roof. See roof plans and detail 52 and 68 on sheet A5.0.3
16	Tile	093013 Tiling, subsection 3.10, B. Identifies method for thin set exterior wall tile installation. Specification section 093013 Tile Products, mentions direct mount Exterior Fiber-cement Panels. We have not identified any conditions this would be applicable, only details of anchored fiber cement panel rainscreen assembly. Please confirm we can exclude Spec Section 07 4646 Fiber Cement siding from this bid package.	SG: There is not exterior tile for this project. Fiber cement panels are anchored with a rainscreen assembly
17	Tile	Edge of slab plans detail a 1" depression at restroom floors, however the specified TCNA methods requires a minimum 1-1/4" mortar beds of uniform thickness. Please confirm that a sloped depression of not less than 1-1/4" will be provided at the restroom floors.	SG: The Design Team will review the requirements and adjust edge of slab accordingly
18	Tile	Please confirm B421-23 is acceptable TCNA (Tile Council of North America) method for the showers.	SG: Please refer to schedule of TCNA designs on spec section 093013
19	Marker Boards	Are there any markerboards on this project? No locations found.	SG: there no marker boards specified for this project yet

ITEM	DATE	QUESTION / CLARIFICATION / RFI	ANSWER
1	11/22/23	In pplan sheet S2.1.1B, on G/L A, there is a call out at Spread Ftg E, TOF - 43'-00 as 10/S5.1.1. Detail 10/S5.1.1 shows a pedestal and a 6' max. This detail does not fit the TOF -43 when the Finish slab is -44.5'-00". The correct detail should be 9/S5.1.1 which is called out on Footing 8C. Please clarify	Detail 10 S5.1.1 is for any footing that is deep, the footings on Grid line A are not deep footings, Detail 9 S51.1 is what will be used for this footing. I have let the architect know of this mismarked detail.
2	11/22/23	Base Plate. Please clarify Base plate dimension per call out 9/S5.1.1. This detail refers to 7 oor 8/S5.3.1 but this detail does not provide the Column size to determine base plate dimension A & B.	Not yet designed- for pricing, assume a 12x12 base plate, these will be designed and provided by our timber fabricator. You will be given a template to use, for each location.
3	11/22/23	Would steel base plate template be provided for all?	No, expect a template for each type. You will need to replicate these accordingly.
4	11/22/23	Detail 6/S5.6.1 seems to indicate that there is thickned slab on all spread footings, however detail 9&4/S5.1.1 does not show it. Please clarify.	This thickened slab detail only exist where the entry HSS steel will be installed. plan for this condition in qty 4 footings.
5	11/22/23	S2.1.1A plan sheet calls out for precast flow through planter; however, note P06 in plan sheet C5.1 did not calls out for precast flow through planter. Please confirm if this is a precast or not.	These are not pre-cast and should be included in site work scope to be cast in place.
6	11/27/23	Level 2 Framing Plan Zone A says Future 2" NW Conc. Topping while part of Zone B does not say future. Are we to exclude all future NW Topping including those at the 3rd floor?	Please include 2" NW topping as shown in designed portion of second floor. Include 2" NW topping slab for remainder of level 2 and all of level three as an alternate price.
7	11/27/23	Please confirm that the Roof will not have 2" NW Topping.	Roof does not have topping slab.



**CONSTRUCTION™**  
WE BUILD TO IMPROVE LIVES

**BIM / VDC**

**EXECUTION PLAN**

County of San Mateo

Wellness Center

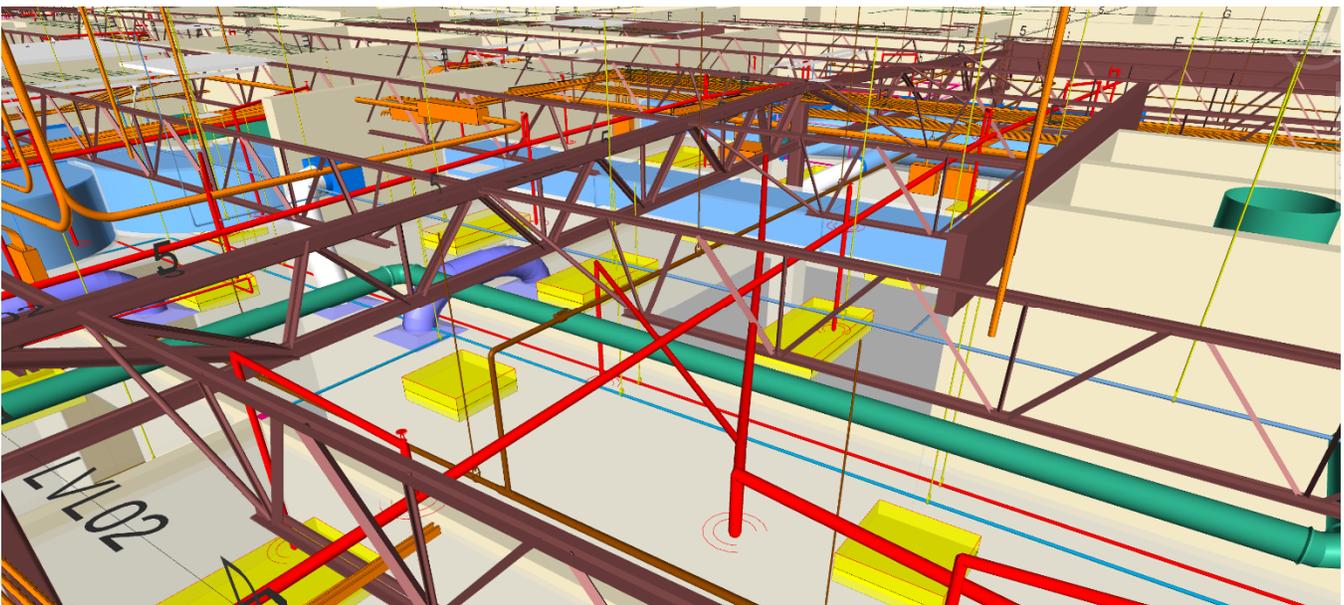
XL Construction BIM / VDC Execution Plan

Rev. 8 – April 2023

# Table of Contents

<b>1</b>	Project Information
<b>2</b>	Project BIM Goals, Definitions, and Uses
<b>3</b>	Design Coordination Responsibility Matrix
<b>4</b>	Project Requirements and Obligations
<b>4.1</b>	General
<b>4.2</b>	Design Phase
<b>4.3</b>	Trade Partner Design Coordination Phase
<b>4.4</b>	Construction Phase
<b>4.5</b>	Record Phase
<b>5</b>	Collaboration Activities
<b>6</b>	Coordination Requirements
<b>7</b>	Model Quality Control
<b>8</b>	Model Detail for VDC/BIM Coordination
<b>9</b>	Coordination of Reflected Ceilings
<b>10</b>	VDC Field Verification Plan
<b>11</b>	Software and Drawing Types
<b>12</b>	BIM Acronyms, Terms and Definitions
<b>13</b>	General Guidelines

## APPENDIX A: LOD/ MODEL RESPONSIBILITY MATRIX



## 1. Project Information

This BIM Execution Plan defines the uses for Building Information Modeling (BIM) along with a detailed description of the process for executing BIM throughout the project lifecycle.

- 1.0. Facility Owner:** County of San Mateo
- 1.1. Project Name:** County of San Mateo Wellness Center
- 1.2. Project Location:** 1050 Mission Road, South San Francisco
- 1.3. Contract Type/Delivery Method:** GMP/CMR
- 1.4. Project Schedule / Phases / Milestones:**

PROJECT PHASE / MILESTONE	ESTIMATED START DATE	ESTIMATED COMPLETION DATE	COMMENTS	ROLES/ RESPONSIBILITIES
VDC/BIM Kickoff Meeting	9/1/23			
Construction Coordination	9/15/23	2/15/24		
Construction				
MEPFP Rough-In				
Substantial Completion				
Note: These milestones dates are meant for the purposes of this Execution Plan. The master project schedule will evolve over time, and these dates may not be current per the current master project schedule				

## 2. Project Goals, BIM Model Definitions and BIM Uses

Mission Statement: XL Construction will utilize VDC Coordination and other Construction Technology workflows to streamline the construction process by creating schedule reliability, improving quality throughout design, and effectively communicating building systems to Project Stakeholders. VDC will be the process used to facilitate the investigation, collaboration, coordination, and communication of the goals for the Project.

### 2.1. Goals

**2.1.1.** The goals of the use of the Virtual Design and Construction Coordination process on this Project are:

- Improve design efficiency and accuracy.
- Reduce construction coordination issues and field conflicts, coordination related RFIs and changes by having a well-coordinated construction model.
- Deliver an accurate 'record model' (including RFIs, revisions, etc.) for use on future projects.
- Reduce Owner changes through 3D visualization of facility by end users.
- Improve field efficiency and reduce rework through extensive building coordination and fabrication including automated digital layout.
- Assisting in team visualization and understanding of potential logistical and constructability issues
- Solving schedule related issues by using the VDC process during the pre-construction and construction phases.
- Communicate project phasing and scheduling to stakeholders.

### 2.2. Model Definitions

**2.2.1.** Design Model (discipline specific) is any 3D model developed and updated by the Design Team and affiliated Engineering Teams for the purposes of Design Development, coordination, communication, and other uses. The main file type will be Revit or as otherwise specified.

**2.2.2.** Construction Model (discipline specific) is any 3D model developed by XL Construction or any of its Trade Partners for the purpose of construction coordination and fabrication. File types will vary trade to trade.

**2.2.3.** Federated Model is a consolidated Navisworks model generated by XL Construction and is comprised of discipline specific models.

**2.2.4.** Record Model is a consolidated Navisworks model generated by XL Construction at the completion of the project. The model will reflect the final as built conditions of the project by incorporating the record design and record construction models.

### 3. Design Coordination Responsibility Matrix

Discipline	Responsible Party	Schematic Design	Design Development	90% CD IFP	100% CD IFC	Construction
CIVIL	Civil		2D CAD			2D CAD
	Civil Trade Partner					Shop Drawings
STRUCTURAL	Structural Consultant	Schematic Design	LOD-200		LOD-300	
	Structural Steel Trade Partner (DA)			Constructibility & Pricing	LOD-400	Maintain LOD-400 Federated Model
ARCHITECTURAL	Architectural	Schematic Design	LOD-300		LOD-300	
	Arch Trade Partner			Constructibility & Pricing	LOD-400	Maintain LOD-400 Federated Model
MECHANICAL	Mechanical Trade Partner	Schematic Design	LOD-250	LOD-300	LOD400	Maintain Federated Model
ELECTRICAL	Electrical	Schematic Design	LOD-250	LOD-300	LOD400	Maintain Federated Model
PLUMBING	Plumbing	Schematic Design	LOD-250	LOD-300	LOD400	Maintain Federated Model
PROCESS PIPING	Process Piping	Schematic Design	LOD-250	LOD-300	LOD400	Maintain Federated Model
FIRE PROTECTION	Fire Protection	Schematic Design	LOD-250	LOD-300	LOD400	Maintain Federated Model

## 4. Project Requirements and Obligations

### 4.0. General (Typical of all phases)

#### 4.0.1. Design Team

- 4.0.1.1. Participate in the VDC Coordination meetings at the request of XL Construction.

#### 4.0.2. Owner

- 4.0.2.1. Review federated models at regular intervals (frequency to be determined with owner) for compliance of the project intent only.
- 4.0.2.2. Participate in the VDC Coordination meetings at the request of the XL Construction.
- 4.0.2.3. Bring in critical end users to Coordination Meetings to review the model and provide input from their perspective. This input is extremely valuable to ensure models are created in a manner which will be more user friendly for the design team.
- 4.0.2.4. Owner will provide direction to the design and coordination team as needed for the coordination effort.

#### 4.0.3. XL Construction

- 4.0.3.1. N/A – nothing typical of all phases

#### 4.0.4. Trade Partners

- 4.0.4.1. Each Trade Partner shall adhere to the following guidelines in the preparation of building system models for its own work. The cost of all software, modeling, drafting, transmission, submittal, meetings, and other similar related efforts for this process shall be the responsibility of Trade Partner and are included in this subcontract. Trade Partner shall list the cost for this work in their Schedule of Values as a discrete item.
- 4.0.4.2. Trade Partner shall reasonably consider and integrate all information provided by any other Trade Partner in its own efforts during the BIM process on this Project.
- 4.0.4.3. Each Trade Partner WILL perform their own 'clash detection' and coordination outside of the regularly scheduled VDC Coordination meetings for the Project.
- 4.0.4.4. Trade partners shall create their own issues in viewpoints to be used for discussion in the coordination meetings and direct coordination with other trades. These viewpoints shall be included in the trade partners' respective folders within the Navisworks platform prior to coordination meetings ("TRADE VIEWPOINTS>TRADE PARTNER").
- 4.0.4.5. Each level of area of the project will have a coordination sign-off. This sign-off will occur on the Sign Off Document provided by XL Construction. Open issues should be minimal, or the level is not ready to be signed-off. Open and unresolved issues will be identified. The signoff does not validate trade models' code/structural compliance, as the trade is ultimately bound to code and structural drawings provided.

- 4.1. **Design Phase – From start to 100% DD** – Design team hosts model sharing site and leads design coordination and clash detection effort.

**4.1.1. Design Team**

- 4.1.1.1. Create and update the design model per the Design Coordination Responsibility LOD matrix in Section 3 above.
- 4.1.1.2. Design coordination and modeling for all disciplines to be completed in LOD-300 prior to issuance to trade partners to start Design Assist BIM Coordination.
- 4.1.1.3. Host site used for design model collaboration and integration
- 4.1.1.4. Run clash detection and lead the design coordination effort
- 4.1.1.5. Provide *100% DD package* which will be used as a starting point for MEP trade partner modeling.
  - 4.1.1.5.1. The drawing package shall provide enough detail and information (for example: duct and terminal unit size and routing) for the MEP trade partners to begin their modeling efforts.

**4.1.2. Owner**

- 4.1.2.1. Refer to general section above

**4.1.3. XL Construction**

- 4.1.3.1. N/A

**4.1.4. Trade Partners**

- 4.1.4.1. MEP Design Build Trade Partners, reference Design Team Section above.

**4.2. Trade Partner Design Coordination Phase – from 100% DD to Issue for Permit –**

Design team leads design coordination effort and XL leads the clash detection effort.

**4.2.1. Design Team**

- 4.2.1.1. Continue to update the design model per the Design Coordination Responsibility LOD matrix in Section 3 above.
- 4.2.1.2. Provide model updates on agreed upon schedule for coordination to XL's host site (see 4.3.3 below).
- 4.2.1.3. Participate in coordination meetings led by XL.
- 4.2.1.4. Coordinate changes to routing with the trade partners and track via Bluebeam sessions or other suitable PDF collaboration tool.
- 4.2.1.5. Continue to update design model so that design models and federated models closely align at the completion of the design phase.

**4.2.2. Owner**

- 4.2.2.1. Refer to general section above

**4.2.3. XL Construction**

- 4.2.3.1. XL Construction will assume leadership of VDC coordination efforts upon acceptance of the *100% DD package*. The Trade Partners will begin the coordination process as per the Design Coordination Responsibility LOD matrix in Section 3 above.
- 4.2.3.2. Provide and host a project shared site for model files to facilitate coordination.
- 4.2.3.3. Develop and enforce the BIM schedule, coordinate issue resolution and ensure all Trade Partners are meeting team and contractual requirements.

- 4.2.3.4. XL Construction will provide a reference point (based on the architectural model) for all authored files to align properly in Navisworks or Revizto without transforms.
  - 4.2.3.5. Run clash tests in parallel with trade partners and provide clash reports and/or saved viewpoints to the team.
  - 4.2.3.6. Troubleshoot model files with other Trade Partners to make sure they are correct as far as scale, insertion point, layering, etc.
  - 4.2.3.7. Provide and host coordination meetings. The initial Coordination Meeting will be in-person at the jobsite or XL's office (if jobsite is NOT available) and additional meetings may be conducted by Webex or similar online conference system software. Meeting formats are at the discretion of XL Construction.
- 4.2.4. Trade Partners**
- 4.2.4.1. Review and accept *100% DD package* to initiate modeling as per the design coordination responsibilities LOD matrix.
  - 4.2.4.2. Provide model updates as needed for coordination to XL's host site.
  - 4.2.4.3. Participate in coordination meetings led by XL.
  - 4.2.4.4. Coordinate changes to routing with the design team and track via Bluebeam sessions or other suitable PDF collaboration tool. *(Only applicable to Design Assist trades)*
  - 4.2.4.5. The design (LOD 300) sign-off process will consist of a meeting to review open viewpoints and the assignment and acceptance of those views and responsibilities. At which time a snapshot of the model will be saved and documented in Procore. No further updates for these models will be used for design review, and any further updates will be for fabrication purposes only. A short narrative will accompany this process outlining exceptions and exclusions, to which all parties will agree upon.
  - 4.2.4.6.
- 4.3. Construction Phase - *from Issue for Permit Set thru construction*** – Design team updates design model and issues official updates as needed, and XL leads the LOD-400 fabrication model coordination efforts.
- 4.3.1. Design Team**
- 4.3.1.1. Modify the Design model internally as needed to issue revisions to the contract documents including, but not limited to, supplemental sketches, RFIs, bulletins, design changes and change order directives.
  - 4.3.1.2. Provide internally updated design models at predetermined intervals or at the XL Construction's request. Reissue of the design models should coincide with the issue of a significant change to the contract drawings as stated above.
  - 4.3.1.3. Any changes to an IFC document, unless it is resolving a Hold, should be coordinated with a brief narrative, as required, with the trade partners and XL Construction.
- 4.3.2. Owner**
- 4.3.2.1. Refer to general section above

#### **4.3.3. XL Construction**

- 4.3.3.1.** Continue responsibilities assumed in the Design Phase from the DD progress set to completion of the DD package.
- 4.3.3.2.** Incorporate updated design models into the federated construction model for coordination as direction to proceed with design changes are provided to XL.

#### **4.3.4. Trade Partners**

- 4.3.4.1.** Continue model updates and participation in coordination meetings led by XL.
- 4.3.4.2.** The fabrication (LOD 400) sign-off process will consist of a meeting to review open viewpoints and the assignment and acceptance of those views and responsibilities. At which time, a snapshot of the model will be saved and referenced into the sign-off documentation. No further updates for these referenced models will be allowed, however, teams may incorporate final updates to address open viewpoints from the sign-off process to validate the shop drawing accuracy for field installation. Any further updates will be for as-built purposes only. A short narrative will accompany this process outlining exceptions and exclusions, to which all parties will agree upon.

### **4.4. Record Phase – As built of design and fabrication models.**

#### **4.4.1. Design Team**

- 4.4.1.1.** XL Construction and/or trade partners will clearly document changes to drawings and return to Design Team for final record design model revision.
- 4.4.1.2.** Initiate, maintain and provide the respective Design Team model to capture RFI's and bulletins throughout the life of the project. Redline as-builts will be submitted in total at the end of construction for their inclusion into the record design model.

#### **4.4.2. Owner**

- 4.4.2.1.** Refer to general section above

#### **4.4.3. XL Construction**

- 4.4.3.1.** XL Construction and/or trade partners will clearly document changes to drawings and return to Design Team for final record design model revision.
- 4.4.3.2.** Manage trade partner completion of VDC related turnover documents including and not limited to red-line design drawings, as-built shop drawings, native software files and record federated model.

#### **4.4.4. Trade Partners**

- 4.4.4.1.** XL Construction and/or trade partners will clearly document changes to drawings and return to Design Team for final record design model revision.
- 4.4.4.2.** Provide all VDC related turnover documents including and not limited to red-line design drawings, as-built shop drawings, native software and .nwc files.

## 5. Collaboration Activities

### 5.1. Meetings

MEETING TYPE	PROJECT STAGE	FREQUENCY	PARTICIPANTS	LOCATION
Trade Partner Design Coordination	Design	Weekly (As Needed)	Design Partners + XL	Online
Coordination – Construction	CD/ Construction	Weekly	XL- CT PM, PM, Super Trades- Detailer, PM/Foreman	Online
Individual Trade Coordination (ITC)	Until BIM Signoff of All Areas	Weekly (As needed)	Single trade + XL CT and/or another XL team	Online
Coordination – Record Model	Post Construction	TBD		TBD
Lessons Learned	Post Construction	TBD		TBD

### 5.2. Project Share Site

- 5.2.1. A share site will be provided by XL for the uploading of 3D models, 2D documents, coordination files, or any other materials produced by the Coordination Team for the purpose of collaborative BIM development and coordination. These models shall be accessible to all parties of the BIM Execution Plan for design and construction coordination purposes.

### 5.3. Format for System Model file naming:

**[LEVEL]-[PROJECT]-[COMPANY]-[SCOPE]**

*Example: 01-COSMWC-XLC-ELEC-LTG.NWC* (Scope abbreviations or full names can be used where practical. Do not append dates to the filenames; the shared site will version each upload /revision to the file for tracking purposes.

- 5.3.1. Scope abbreviations or full names can be used where practical.
- 5.3.2. Do not append dates to file names as the shared file site will version each upload/revision.
- 5.3.3. Maintain consistent file names throughout the life of the project. This ensures that links and Navisworks Search Sets work as intended when files are updated.

## 6. Coordination Requirements

Trade Partners shall complete their own models in a 3D (Navisworks compatible) format and distribute the models in an electronic file to the Coordination Lead, who will perform clash detection and constructability review among all Trade Partners' models and will distribute the results. Trade partners must coordinate all modeled elements to contract drawings (ex. Architectural and Structural details).

### 6.1. Coordinate System Verification

- 6.1.1. XL Construction will utilize the **Architectural model** as a baseline for the coordinate system. XL construction will acquire the coordinates from this model and use these locations as the datum for the coordination process.
- 6.1.2. XL Construction will provide documentation on the acquired project base point, stating the northing, easting, elevation, and rotation from true north.
- 6.1.3. Teams utilizing Revit will need to acquire these coordinates from the Architectural model as well to maintain a common coordinate system
- 6.1.4. Teams utilizing AutoCAD or other authoring software will have the origin point provided to them with northing, easting, elevation, and rotation information to maintain a common coordinate system.

### 6.2. General Coordination Requirements

- 6.2.1. Trade Partner shall familiarize itself with requirements of other Trade Partners and coordinate its own work with others to provide the best possible combined installation for the benefit of the Project.
- 6.2.2. Trade Partners shall identify in the model any element such as anchors, embeds, miscellaneous iron, supports, bracing, cast-in-place curbs, block-outs, and other such elements that are required for their work, even if other Trade Partners provide and install any such element.)
- 6.2.3. The model shall allow for printable shop drawings, including dimensions and location of specific trade elements.
- 6.2.4. Identify on shop drawings any elements of work, which will have to be left out until the final pieces of their work are installed or shall break down and reassemble their work as required or make other arrangements at their cost.
- 6.2.5. Submit final shop drawings reflecting the results of space coordination with other Trade Partners.
- 6.2.6. Provide offsets as required to maintain required clearance and coordinate with the work of others in a manner to allow all elements to be incorporated in the most efficient manner for the benefit of the Project Schedule.
- 6.2.7. Coordinate work with other trades to allow installation of all exposed work in coordinated symmetrical patterns, or to comply with Architectural reflected ceiling plans.
- 6.2.8. The Trade Partners are expressly responsible for ensuring that the coordinated, signed-off locations of their work are communicated to their field foreman and field teams. Trade Partners shall perform quality control inspections, as needed, to verify that work is being installed per the coordinated drawings. XL can help facilitate these meetings to ensure proper communication is happening between the Coordination Team and the Field Teams.

- 6.2.9. Update the model as needed to reflect changes which affect the Trade Partners' work, including, but not limited to: RFI responses, submittal comments, field changes, ASI's, Change Orders, etc.
- 6.2.10. If any Trade Contractor installs any elements in the field that deviate from the signed off coordination models, they do at their own risk, and may be required to remove/reinstall their systems at their own cost and pay for the rework of any other impacted trades. If something will not fit in the field due to an element in the field that was not contemplated during the coordination process, Trade Contractor or Partner shall notify XL and the Design Team of the revision, update their coordination/fabrication models with the revision, re-coordinate the revised model with all affected trade models (led by XL) until deemed resolved. The revised model and shop drawings do not need to be resubmitted but will rather become part of the final as-built model.

### 6.3. Coordination Process

- 6.3.1. Trade Partners must post their **3D system models in a .NWC format**, at least one work day before the next coordination meeting to ensure XL Construction has a chance to review, merge models and run clash detection.  
*Example: If the coordination meeting is on Monday at 10:00 am, all models are required to be posted by Friday at end of business day.*
- 6.3.2. Coordination team members will post their 3D system models in the proper folder on the shared site as directed by XL Construction.
- 6.3.3. Trades will utilize Navisworks Manage to view current clash results of the live model. In their respective clash tests, Trade Partners will then approve all clashes they deem field configurable/constructible to limit the number of frivolous conflicts. XL Construction will be taking a 'Move or Approve' stance with clash results. Those conflicts which cannot be remedied will be the topics for conversation at our weekly coordination meetings.
- 6.3.4. If Trade partners are changing authoring platforms between the design and fabrication process (Example: Revit to AutoCAD), this will be done in such a way to negate any delays to the coordination schedule. XL Construction will not build time into the coordination schedule to accommodate this transition.
- 6.3.5. Owner/Architect/Engineer/Consultants/Framing/Seismic Bracing and other specialty Trade Partners shall attend coordination meetings as necessary to advise on issues that arise from the Coordination Process.
- 6.3.6. At the conclusion of each coordination meeting the Master Model (as reviewed during the coordination meeting), which includes saved viewpoints of open issues, will be posted to the shared site for the group's use and documentation.
- 6.3.7. XL Construction will post Weekly Progress Models (after each Coordination Meeting) in a .NWD format following the meeting. This model will have up to date Coordination issues saved and the statuses of these issues will be updated in the Coordination Issues Log (Procore Coordination Issues)
- 6.3.8. XL Construction, at their sole discretion, has the right to remove a Trade Partners' team member from the coordination process if that team member is not able to effectively

coordinate or is in another way non-responsive, which leads to a greater team inefficiency. This action will be communicated ahead of time. It is the Trade Partners' responsibility to provide an effective team member for coordination and the replacement will occur at the Trade Partners' cost.

- 6.3.9. Trade Partners must "pre-coordinate" their model with the proposed work of other building systems, structural elements and architectural elements as it is being developed. This way the first model submitted *already considers* known obstructions or space limitations. To achieve this, Trade Partners are required to communicate with the other trades independently and share files & information as required in preparation for model submission to XL Construction.
- 6.3.10. Trade Partners shall participate in ALL coordination meetings with XL Construction and the other trades participating in the VDC Coordination efforts to review conflicts and clash reports, and to jointly develop clash resolutions. These meetings will be held weekly, or as needed, at the discretion of XL Construction. **For these meetings, Trade Partners shall provide personnel with the authority, and capability of addressing and resolving conflicts, as well as the cost/schedule implications they may have.**
- 6.3.11. In general, the routing of major systems shall not greatly deviate from that shown on the design documents unless rerouting is agreed to by XL Construction and the design team. If all trades cannot agree upon a solution to a conflict, XL Construction will determine that solution for the team to maintain forward progress.
- 6.3.12. Trade Partners shall implement the solutions in a revised model and re-submit. XL Construction shall make the final determination as to whether a conflict or discrepancy has been sufficiently resolved and the Coordination Lead will update the clash report to reflect this.

#### 6.4. Clearance and Access Zone Coordination

- 6.4.1. All models must include clearances, egress zones, and access zones for code requirements and for anything requiring a human hand to touch it for operating or maintaining the facility. Clearance zones need to be modeled to an accuracy reflecting required access for a particular item, with transparency and extended to the top of the floor below in the Coordination Model.
- 6.4.2. Clearance and Access zones need to be coordinated in 2D, in addition to 3D, by using a reflected ceiling plan that shows the specific ceiling tile or access panel that will be used to access that item. Only ceiling tiles clear of object obstructions (sprinkler heads, light fixtures, fire alarms, etc.) shall be utilized for access.
- 6.4.3. Structural Coordination Drawings – any structural coordination items (beam/shear wall penetrations, deck/slab penetrations, or structural opening and/or penetration) will need dimensioned drawings and elevations provided to XL from the trade partners. If applicable, these will need to be coordinated and/or combined with other trade drawings, which will be completed by XL Construction.

## 6.5. Coordination System Priorities

- 6.5.1.** The modeling effort will identify space constraints and system conflicts. These will require each participant to relocate its systems to coordinate with the design, engineering, or work by other participants. It is anticipated that each participant will have to relocate at least some of its systems. Trade Partner shall plan for this in the modeling efforts, the following construction efforts, and the Base Bid.
- 6.5.2.** Below is a hierarchy of model elements and the sequencing by which the systems will be coordinated:
- a. Building Structure
  - b. Existing Systems
  - c. King studs, headers, opening and penetrations.
  - d. Top track, jambs, headers, and corner studs of Wall Framing
  - e. Gravity Systems
  - f. Mechanical Main Duct
  - g. Recessed Light Fixtures and supports
  - h. Owner dictated access requirements
  - i. Overhead miscellaneous steel supports
  - j. Fire Mains
  - k. Plumbing and Mechanical 4" or greater
  - l. Electrical Conduit Racks and Cable Tray including clearances
  - m. Duct Branch lines and Appurtenances
  - n. HVAC Piping
  - o. Plumbing pressure systems
  - p. Fire Branch line and Drops
  - q. Electrical Ceiling Devices
  - r. Hangers and Seismic Bracing
  - s. Sleeves/Penetrations through Rated Partitions
  - t. Acoustic and Non-Rated Top of Wall
  - u. Above ceiling bracing for drywall partitions
  - v. Framing and Drywall (not including king studs, headers, openings, and penetrations)

## 6.6. Wall and Shaft Coordination

- 6.6.1.** Prior to layout of walls by others, Trade Partners shall coordinate their in-wall rough-in and support requirements with the wall types specified, and shall advise XL Construction in writing of any dimensional or structural support discrepancies; otherwise, the Trade Partner(s) shall be responsible for costs to revise the work, including reframing, etc.
- 6.6.2.** Prior to modeling any floor plans the mechanical and electrical Trade Partners shall coordinate the vertical pipe and duct shafts and openings in the decks. Deck openings shall be minimized to allow at least six inches of clear deck inside the shaft walls. The clear deck areas are needed to support and anchor the ends of the duct and pipe supports. Include all seismic and vibration isolation requirements.
- 6.6.3.** Any necessary cores or floor penetrations will be modeled and coordinated.

**6.6.4.** If shaft bottoms exist these shall be fully coordinated and modeled and may need to be reviewed and approved by the architect and engineers of record.

**7. Model Quality Control**

**7.1.** The overall strategy for model quality during the design and construction modeling phases requires that XL be responsible for checking trade and design partner models, as well as model integrity, periodically during the drawing and coordination processes. If deficiencies are found, the responsible party will be notified and required to comply. XL will work to verify the models reflect the scope of work as required.

**7.2. Quality Control Checks**

CHECKS	RESPONSIBLE PARTY	SOFTWARE PROGRAMS(S)	FREQUENCY
VISUAL CHECK	XL	NAVISWORKS/REVIT	EACH COORDINATION CYCLE
INTERFERENCE CHECK	XL	NAVISWORKS/REVIT	EACH COORDINATION CYCLE
STANDARDS CHECK	XL	NAVISWORKS/REVIT	EACH COORDINATION CYCLE
MODEL INTEGRITY CHECKS	XL	NAVISWORKS/REVIT	EACH COORDINATION CYCLE
ADDITIONAL QC CHECKS	TBD	TBD	AS REQUIRED

**7.3.** If Trade Partner lacks the in-house experience, hardware, or software to accurately create the 3D model, it may, with approval from XL Construction, outsource this process to a third party.

**7.4.** Trade Partners shall remain fully responsible for all costs resulting from the model building and shall be responsible for the accuracy of the model.

**7.5.** XL Construction may reject any model that is inaccurate, improperly formatted, or otherwise deemed unfit for its purpose. Trade Partners shall bear all costs resulting from the Trade Partners’ model correction & re-submittal, including expediting premiums.

**7.6.** If Trade Partners fails to provide an accurate model per the Project Schedule requirements XL Construction may prepare a suitable model through its own resources or agents, and Trade Partners shall be responsible for all reasonably incurred expenses.

**7.7.** Where XL Construction provides a model on the Trade Partners’ behalf, the Trade Partners shall be responsible for the accuracy of the model as it relates to the systems as they will be installed. The Trade Partners shall receive progress versions of the model from XL Construction, and shall sign off on the model as correct, or provide a detailed, itemized list of discrepancies or corrections needed. This signoff shall be done in a timely manner to achieve the project schedule. After the signoff, the Trade Partners will be responsible for any inaccuracies in the model.

## 8. Model Detail for VDC/BIM Coordination

### 8.1. LOD Matrix

The Project Team shall continue development of their Building Information Models to the level of detail so that all design/trade work can be coordinated. The anticipated uses will inform the creation of the Model Progression Specification. AGC has developed standard industry language to define level of development. Cross reference the definition below with the predefined LOD matrix to better understand submission requirements per phase.

- LOD100: The Model Element may be graphically represented in the Model with a symbol or other generic representation but does not satisfy the requirements for LOD 200. Information related to the Model Element (i.e., cost per square foot, tonnage of HVAC, etc.) can be derived from other Model Elements.
- LOD200: The Model Element is graphically represented within the Model as a generic system, object, or assembly with approximate quantities, size, shape, location, and orientation. Non-graphic information may also be attached to the Model Element.
- LOD300: The Model Element is graphically represented within the Model as a specific system, object or assembly in terms of quantity, size, shape, location, and orientation. Non-graphic information may also be attached to the Model Element.
- LOD350: The Model Element is graphically represented within the Model as a specific system, object, or assembly in terms of quantity, size, shape, location, orientation, and interfaces with other building systems. Non-graphic information may also be attached to the Model Element.
- LOD400: The Model Element is graphically represented within the Model as a specific system, object or assembly in terms of size, shape, location, quantity, and orientation with detailing, fabrication, assembly, and installation information. Non-graphic information may also be attached to the Model Element.
- LOD500: The Model Element is a field verified representation in terms of size, shape, location, quantity, and orientation. Non-graphic information may also be attached to the Model Elements.

### 8.2. General Concepts:

- 8.2.1. Clearance requirements: areas in which there cannot be anything. These must be contained on one dedicated layer. Both horizontal and vertical clearances, **TO THE FLOOR PLANE**, must be modeled.
- 8.2.2. Working areas around equipment, such as J-boxes, VAVs, Fan Coil Units, valve handles, etc.
- 8.2.3. Structural penetrations and block outs: required for building coordination and routing of other trades; including prefabrication.
- 8.2.4. Required areas around Equipment; modeled as a clearance zone.
- 8.2.5. Swing areas around Electrical Panel doors and equipment.
- 8.2.6. Pre-Fabrication: anything that will be prefabricated should be included in the Coordination Model to ensure proper space and connection for installation.
- 8.2.7. Hangers and Supports: needed to support the various systems to ensure those systems can be installed as coordination – including seismic supports and their intended

locations. Include Areas/Zones of Influence for hangers per direction of Engineer of Record.

- 8.2.8.** If a detail is not provided in the drawing set for an element being modeled, an RFI must be submitted for clarification and acceptance. The provided details are the only acceptable means and methods for construction, as such, any deviation from these methods will need approval.

### **8.3. Architectural Model(s):**

- 8.3.1.** Exterior Walls: including thickness, height and skin system seams with appropriate penetration and waterproofing parameters.
- 8.3.2.** Exterior Curtain Walls: including thickness and height and spacing of Curtain Wall system components. Required for identification of rainwater and overflow leaders and well as bracing and support requirements
- 8.3.3.** Interior Walls: including thickness and height and openings: required for routing main utilities, locating mechanical equipment, identification of priority wall framing, wall penetrations, wall coverings – such as wood panels, required fire stopping and bracing.
- 8.3.4.** Doors: Exterior and Interior
- 8.3.5.** Floors
- 8.3.6.** Stairs and Ramps
- 8.3.7.** Hard Ceilings and Soffits: required for identification of HVAC diffuser locations, electrical fixture locations and routing of overhead systems.
- 8.3.8.** Suspended acoustical ceilings: required for identification of HVAC diffuser locations, electrical fixture locations and routing of overhead systems. Modeled with clearance behind ACT to allow access for installation.
- 8.3.9.** Shafts and Wall Chases: required for identification of accurate locations of HVAC shafts, plumbing chases and plumbing vents.
- 8.3.10.** Architectural Features: required for routing of MEPFP systems
- 8.3.11.** Light Fixtures: Architect will be responsible for initial location of light fixtures. During BIM coordination, electrician will take responsibility for higher LOD light fixtures and hangers.
- 8.3.12.** Architectural/ Owner Provided Equipment: for building coordination and routing of other trades/ clearances; Manufacturer models should be obtained for equipment procured for the project when available, or they must be drawn as 3D objects with accurate connection points.
- 8.3.13.** Casework
- 8.3.14.** Fire Extinguisher Cabinets
- 8.3.15.** Exterior Penetration

### **8.4. Structural Model(s):**

- 8.4.1.** Beams and Columns: required for coordination of building systems
- 8.4.2.** Braces and Gusset Plates: required for coordination of building systems
- 8.4.3.** Seismic bracing: required for coordination of building systems

- 8.4.4. Structural Trusses: required for coordination of building systems
- 8.4.5. Stairs/ Platform Framing: required for coordination of building systems.
- 8.4.6. Embeds: required for coordination with other building systems
- 8.4.7. Miscellaneous support: required for coordination of building systems (i.e., support steel for operable partitions)
- 8.4.8. Foundations: required for coordination of building systems and structural member connections. This will include reinforced steel (rebar), anchor bolts, and all elements needed for coordination of various trades.
- 8.4.9. Protected Zones at Brace Frames/ Structural Beams: modeled to prevent any elements from coming within the designated area of protected connection points and altering the structural integrity/composition. Though some instances of bolting to these areas may be allowed, these instances will need specific SEOR approval to do so.
- 8.4.10. Fireproofing: Monokote or equivalent fireproofing is to be modeled with accurate thickness and location to account for areas needing beam attachments prior to installation and accurate spatial coordination near structural elements.

## 8.5. Mechanical Model(s):

- 8.5.1. Duct and Insulation: for building coordination and routing of other trades; including prefabrication
- 8.5.2. Shaft and riser locations: for building coordination and routing of other trades; including prefabrication; location of dampers and access
- 8.5.3. Structural penetrations and block outs: required for building coordination and routing of other trades; including prefabrication.
- 8.5.4. Mechanical Dampers: for building coordination and routing of other trades; including access requirements to dampers
- 8.5.5. Flex Duct and Insulation: for building coordination and routing of other trades; connection to diffusers
- 8.5.6. Diffuser Location and Sizes: for building coordination and coordination with other required fixtures in a space
- 8.5.7. Hangers, Racks, and Seismic Bracing: for building coordination and routing of other trades; including prefabrication
- 8.5.8. Mechanical Piping and Insulation: lines 1" or larger (includes insulation) for building coordination; including prefabrication; verification of required clearances for installation at equipment
- 8.5.9. Mechanical Equipment: for building coordination and routing of other trades; including prefabrication; Manufacturer models should be obtained for equipment procured for the project when available, or they must be drawn as 3D objects with accurate connection points.
- 8.5.10. Pneumatic Tube: for building coordination and routing of other trades; including prefabrication; Manufacturer models should be obtained for equipment procured for the project when available, or they must be drawn as 3D objects with accurate connection points.

- 8.5.11. All clearance and access requirements: for building coordination and routing of other trades; including prefabrication. Clearance and access zones are to be modeled to the floor plane to avoid clashes with other systems and verify accessibility.
  - 8.5.12. Duct mains, branches, and any existing connection points should be differentiated by a layer or parameter in order to isolate clashes pertaining to each.
  - 8.5.13. Point Load Analysis: Inserts are to be modeled with area of affected load “halos” for coordination of structural weight criteria of suspended utilities. Coordination of these halos will be based on definitions provided by SEOR and submitted to SEOR after coordination for final approval.
  - 8.5.14. Thermostats, sensors, in-wall devices: for building coordination of in-wall items.
- 8.6. Electrical, Low Voltage, and Fire Alarm Model(s):**
- 8.6.1. All conduit 1 1/4” or larger is required
    - 8.6.1.1. Any conduit is required if 3 or more are in the same directional vicinity (each conduit within 1 diameter width apart from each other). These can be on a common run (rack) or separated and hung singularly. These conduits will be individually modeled. A ‘Block-out’ will not be adequate.
  - 8.6.2. Structural penetrations and block outs: required for building coordination and routing of other trades; including prefabrication.
  - 8.6.3. Junction/Pull boxes: for building coordination and routing of other trades; including prefabrication
  - 8.6.4. Lighting fixtures and required supports for building coordination and coordination with other required fixtures in a space.
  - 8.6.5. Cable trays, J Hanger Pathways and required accessories: for building coordination and routing of other trades; including prefabrication. Pathways to incorporate clearance area needed per manufacturers/ owners’ specifications.
  - 8.6.6. Hangers, Racks, and Seismic Bracing: for building coordination and routing of other trades; including prefabrication
  - 8.6.7. Electrical equipment: for building coordination and routing of other trades; including prefabrication; Manufacturer models should be obtained for equipment procured for the project when available, or they must be drawn as 3D objects with accurate connection points.
  - 8.6.8. Equipment Panels – Useful for coordinating with wall framing to determine backing, etc.
  - 8.6.9. All clearance and access requirements: for building coordination and routing of other trades; including prefabrication. Clearance and access zones are to be modeled to the floor plane to avoid clashes with other systems and verify accessibility.
  - 8.6.10. Receptacles, Switches, Specialty Items: for building coordination of in-wall items.
  - 8.6.11. Electrical and telecommunication items shall be differentiated from each other, as well as have nomenclature depicting existing elements to prioritize conflict detection between these systems.

- 8.6.12. Point Load Analysis: Inserts are to be modeled with area of affected load “halos” for coordination of structural weight criteria of suspended utilities. Coordination of these halos will be based on definitions provided by SEOR and submitted to SEOR after coordination for final approval

### **8.7. Plumbing and/or Process Piping Model(s):**

- 8.7.1. Plumbing fixtures: for building coordination and routing of other trades; including prefabrication
- 8.7.2. Graded pipe lines: for building coordination and routing of other trades; including prefabrication
- 8.7.3. Underground storm and sewer pipes and any existing connection points: for building coordination and routing of other trades; including prefabrication
- 8.7.4. All major waste and vent lines and any existing connection points: for building coordination and routing of other trades; including prefabrication
- 8.7.5. Pressurized Piping: Any existing connection points and insulation/jacketing: for building coordination and routing of other trades; including prefabrication
- 8.7.6. Hangers and Seismic Bracing: for building coordination and routing of other trades; including prefabrication.
- 8.7.7. Structural penetrations and block outs: required for building coordination and routing of other trades; including prefabrication.
- 8.7.8. Plumbing equipment: for building coordination and routing of other trades; including prefabrication; Manufacturer models should be obtained for equipment procured for the project when available, or they must be drawn as 3D objects with accurate connection points.
- 8.7.9. All clearance and access requirements: for building coordination and routing of other trades; including prefabrication. Clearance and access zones are to be modeled to the floor plane to avoid clashes with other systems and verify accessibility.
- 8.7.10. Plumbing elements and accessories shall have layer identification differentiating pressurized or graded piping, as well as have nomenclature depicting existing elements to prioritize conflict detection between these systems.
- 8.7.11. Point Load Analysis: Inserts are to be modeled with area of affected load “halos” for coordination of structural weight criteria of suspended utilities. Coordination of these halos will be based on definitions provided by SEOR and submitted to SEOR after coordination for final approval
- 8.7.12. Valves, cleanouts, in-wall devices: for building coordination of in-wall items.

### **8.8. Fire Sprinkler Model(s):**

- 8.8.1. Sprinkler mains and branches and any existing connection points: for building coordination and routing of other trades; including prefabrication
- 8.8.2. Sprinkler head drops: for building coordination and coordination with other required fixtures in a space

- 8.8.3.** Structural penetrations and block outs: required for building coordination and routing of other trades; including prefabrication.
- 8.8.4.** Sprinkler equipment: for building coordination and routing of other trades; including prefabrication; room layout and clearance requirements. Manufacturer models should be obtained for equipment procured for the project when available, or they must be drawn as 3D objects with accurate connection points.
- 8.8.5.** All clearance and access requirements: for building coordination and routing of other trades; including prefabrication. Clearance and access zones are to be modeled to the floor plane to avoid clashes with other systems and verify accessibility.
- 8.8.6.** Fire Protection elements and accessories shall have layer identification differentiating main or branch piping, as well as have nomenclature depicting existing elements to prioritize conflict detection between these systems.
- 8.8.7.** Point Load Analysis: Inserts are to be modeled with area of affected load “halos” for coordination of structural weight criteria of suspended utilities. Coordination of these halos will be based on definitions provided by SEOR and submitted to SEOR after coordination for final approval

## **8.9. Metal Wall Framing**

- 8.9.1.** Critical Wall Elements: Elements that cannot be easily cut for coordination of MEP opening through walls.
- 8.9.2.** Above ceiling support steel/ framing: Framing and kickers that may be in the above ceiling space are modeled for coordination with other building content such as MEP passing along the wall in the above ceiling spaces. Elements modeled to support suspended systems, such as operable partitions, specialty ceilings, etc.
- 8.9.3.** Openings/Penetrations: Model structural elements such as king studs, headers, and jambs at openings/penetrations
- 8.9.4.** Backing: Framing contractor to provide all backing for architectural items requiring support.

## 9. Coordination of Reflected Ceilings

- 9.1.** Reflected Ceiling plans for each level will be coordinated in a combined 2D plan to efficiently layout and locate ALL required ceiling device locations and required access and maintenance clearance areas. Includes the following:
- 9.1.1.** Access and Maintenance zones required to SAFELY serve and maintain ALL overhead Equipment – including HVAC equipment, valves, electrical pull boxes and junction boxes, Fire Protection valves – ALL items that need overhead access will be identified.
  - 9.1.2.** HVAC supply, return, exhaust and other ceiling registers or diffusers
  - 9.1.3.** Light fixtures – whether flush, surface mounted or suspended
  - 9.1.4.** Cable tray and required access to add or maintain
  - 9.1.5.** AV equipment and required access – including projectors, TVs, speakers, sound masking, etc.
  - 9.1.6.** Security equipment including cameras, etc.
  - 9.1.7.** Fire Protection sprinkler heads
  - 9.1.8.** Data devices such as Wireless access points, etc.
  - 9.1.9.** Occupancy sensors
  - 9.1.10.** Fire Alarm devices including strobes and smoke detectors, etc.
  - 9.1.11.** Ceiling mounted devices including electrical outlets, data outlets, Ceiling Service Panels, etc.
  - 9.1.12.** Signage including exits signs, etc.
  - 9.1.13.** Architecturally significant items installed at ceiling including ceiling fans, specialty fixtures, etc.
  - 9.1.14.** All items required to be mounted at the ceiling or access above the ceiling plane

## 10. VDC Field Verification Plan

- 10.1.** XL Construction will provide a coordinated dimensional control plan to ensure all trades are using the same project coordinate system to locate their scope of work.
- 10.2.** All Trade Partners will use this coordinate system to coordinate the approximate location, elevation and sizes of building elements that rely on each other for their respective location (i.e., Wall locations and plumbing/electrical stub ups, etc.)

## 11. Software and Drawing Types

- 11.1.** The BIM Manager shall utilize interconnected models developed by each Trade Partner, sub-tier Trade Partner or specialty trade whereby Trade Partners shall utilize software compatible with Autodesk Navisworks/Revizto, or any other software that XL Construction requires elsewhere in the Contract Documents.
- 11.2.** Trade Partners shall develop, modify, and maintain its own models, which shall include, but not be limited to, plans, elevations, details, shop drawings or other related documents, incorporating any revisions, addendums, bulletins or other project modifications along with any other project related information, in accurate coordinates and dimensions.
- 11.3.** If XL Construction official software version is older than the release currently available, Trade Partners may convert to the newer released version, provided it maintains compatibility with XL

Construction chosen version. It shall be the responsibility of the Trade Partners to maintain compatibility, and any costs related to ensuring compatibility.

- 11.4.** All models submitted to XL Construction shall conform and adhere to the standards contained herein throughout the duration of the project.

## **12. BIM Acronyms, Terms and Definitions**

### **12.1. Terms**

- 12.1.1.** BIM or 3D model: The Building Information Model is a parametric, data rich, digital virtualization of the Project design developed by the Architect, the Architect's consultants, and design-build Trade Partners, and includes construction details developed by the Architect, the Architect's consultants, the General Contractor (XL Construction) and the XL Construction's sub-contractors. As used in this Agreement, references to Building Information Model, BIM, or the model, include the primary design model or models, and all linked, related, affiliated or subsidiary models developed for the design, detailing, estimating, fabrication, or construction of the Project, or of any portion or element of the Project.
- 12.1.2.** Level of Development / Detail: The Level(s) of Development / Detail (LOD) describes the level of completeness to which a Model Element is developed.
- 12.1.3.** Model Element: A Model Element is a portion of Building Information Model representing a component, System or Assembly within a building or building site. For purposes of this BIM Execution Plan, Model elements may be:
- Existing Components: Any element within the project boundary that is to remain during construction.
  - Substructures: including foundations
  - Shell: including superstructures for floor and roof construction; exterior enclosure for exterior walls, exterior windows, exterior doors; roof covering and roof openings
  - Interiors: including interior construction for partitions, interior doors, fittings; stair construction and finishes; interior finishes for walls, floors, and ceilings.
  - Services: including conveying systems (elevators); plumbing systems, HVAC systems; fire protections systems; electrical systems for service and distribution, lighting and branch wiring, communications and security, and other electrical systems.
  - Equipment and Furnishings (as appropriate to the Project): including lab equipment, medical equipment; audio visual equipment, kitchen equipment, LN2 equipment, owner furnished contractor installed equipment (OFCI), owner furnished owner installed equipment (OFOI); loading equipment and other elements deemed necessary.
- 12.1.4.** Model Author: The Model Author is the discipline responsible for developing the content of a specific model to the LOD required.
- 12.1.5.** Model User: The Model User refers to any individual or entity authorized to use and/or reference the model.

## 12.2. Definitions

- 12.2.1. As-Built Documents: As-Built documents are the collection of paper drawings or electronic drawings that typically reside in the contractor's onsite trailer that contain mark-ups, annotations, and comments about the changes that have been made to the contract documents during the construction phase.
- 12.2.2. As-Built Model: Design Intent Models that have been updated throughout the construction process. These change and updates have been communicated from the Contractor to the Design Team through the comments, annotations, and mark-ups from the As-Built Documents. These typically, but not always, are discipline specific models.
- 12.2.3. Background files: 2D files from the Project Team and used in Coordination by the Coordination Team in their files as an XREF or external reference.
- 12.2.4. BIM Execution Plan: A Plan that is created collaborative with Project Stakeholders. The BEP helps define roles and responsibilities within a Project Team.
- 12.2.5. Design Team: The Design Team is the Architect and all of the consultants that provide design services for a project. These design services can be rendered at any time during the project.
- 12.2.6. DWG: AutoCAD file format
- 12.2.7. DXF: 'Drawing Exchange Forma' and is used in exchanging components between CAD applications.
- 12.2.8. IFC: 'Industry Foundation Class' is a neutral and open specification that is not controlled by a single vendor or group of vendors. It is an object-based file format.
- 12.2.9. LOD: 'Level of Development' or 'Level of Detail' is a term used to define the process or progress of the model contents. The LOD can change as the project progresses.
- 12.2.10. Object Enablers: Application or file in AutoCAD or Navisworks which allows special objects to be seen in those programs. Usually, these objects are produced in special fabrication and detailing programs within AutoCAD.
- 12.2.11. Pre-Fabrication: The process of developing and fabricating components offsite
- 12.2.12. Project Stakeholders. Project stakeholders are individuals who have an interest or concern in the project, both prior to, during and after project completion. Project stakeholders are typically members of the campus community, including facilities managers, users in adjacent buildings and building end users
- 12.2.13. NWF Navisworks file, a dynamic file that will change as the component files are modified and updated. This will occur visually as the model is refreshed, reopened, or another file is appended.
- 12.2.14. Navisworks: Navisworks is a software that allows for the viewing of multiple model formats. This ability to 'view' these files also allows for Navisworks to simulate the interaction between model files. That includes collision detection, scheduling activities and overall coordination.
- 12.2.15. NWD Navisworks drawing file, a static model that is a snapshot in time, which is published from a NWF file.
- 12.2.16. NWC Navisworks cache file, a 'cookie' type of file that Navisworks automatically creates to speed up the loading process.
- 12.2.17. RVT Revit project file, the is commonly the original design team file format and a typical format for Trade Partners design and fabrication of MEPFP systems.
- 12.2.18. Shop Drawings: Shop Drawings are produced from the coordinated models of each trade partner and include all dimensioning and labeling. These drawings are submitted for approval to the Design Team. The drawings are used in the field for installation and erection

## **13. General Guidelines**

### **13.1. The Basics**

These General Guidelines are neither an instruction manual for developing models, nor a complete guideline for the preparation of required construction documents. Trade Partners must have a working knowledge of both and shall be responsible for any errors or omissions, additional work or costs incurred as a result of Trade Partners' failure to have the required familiarity with all guidelines. Trade Partners shall be responsible for the preparation of its models in a professional manner that meets the basic requirements typical of the architectural and construction professions including:

- 13.1.1.** Providing all the information that is necessary to complete its project assignment.
- 13.1.2.** Maintaining accuracy and precision throughout its models.
- 13.1.3.** Under no circumstances shall the Trade Partners maintain separate 2D and 3D files to show the same work. The work must be modeled in a 3D software program that can generate 2D drawings when necessary. The 2D drawings must be completely and seamlessly integrated with the 3D model

### **13.2. Partial Model Approval**

- 13.2.1.** Due to varying project conditions, partial model approval may be required. In the event a partial model is approved, modifications shall be tracked and submitted to the Coordination Lead prior to incorporation into the updated model.

### **13.3. Drawing Location and Orientation**

- 13.3.1.** The drawing orientation will be established and provided by XL in a Grid and Origin file for each level. This will be based upon the Internal Project Origin of the Design Team files. This ensures that the models are in the correct location when they are imported into the federated Coordination model.

### **13.4. Dimensions**

- 13.4.1.** All models shall maintain "live dimensions". Any forms of exploded or overridden dimensions are not acceptable unless specifically dictated by construction document style such as "5 EQ. SPACES @ 24" O.C."

### **13.5. Object Snap**

- 13.5.1.** Object snap functions such as "Endpoint, Intersection point shall be used throughout the model. "Guessing" or "eyeballing" is not acceptable.

### **13.6. Record Drawing Model and Project Close-out Procedures:**

In addition to 2D traditional record set drawings, Trade Partners are required to provide record models in their native format. The following section describes in more detail the closeout procedure for a project as it relates to these documents and their use.

- 13.6.1.** Definition of Record Model: The Record Set is defined as the final working files and documents reflecting the finished project as constructed and/or renovated. These files

LOD Definitions (Based upon Association of General Contractors BIMForum LOD Specification 2016 Version)

- LOD100:** The Model Element may be graphically represented in the Model with a symbol or other generic representation, but does not satisfy the requirements for LOD 200. Information related to the Model Element (i.e. cost per square foot, tonnage of HVAC, etc.) can be derived from other Model Elements.
- LOD200:** The Model Element is graphically represented within the Model as a generic system, object, or assembly with approximate quantities, size, shape, location, and orientation. Non-graphic information may also be attached to the Model Element.
- LOD300:** The Model Element is graphically represented within the Model as a specific system, object or assembly in terms of quantity, size, shape, location, and orientation. Non-graphic information may also be attached to the Model Element. (Coordination Models)
- LOD350:** The Model Element is graphically represented within the Model as a specific system, object, or assembly in terms of quantity, size, shape, location, orientation, and interfaces with other building systems. Non-graphic information may also be attached to the Model Element. (Prefabrication Models)
- LOD400:** The Model Element is graphically represented within the Model as a specific system, object or assembly in terms of size, shape, location, quantity, and orientation with detailing, fabrication, assembly, and installation information. Non-graphic information may also be attached to the Model Element. (Prefabrication Models with Parametric Data)
- LOD500:** The Model Element is a field verified representation in terms of size, shape, location, quantity, and orientation. Non-graphic information may also be attached to the Model Elements. (as-built locations of elements)

**ABBREVIATIONS**  
 AR- Architect SE- Structural Engineer  
 ME- Mechanical Engineer EE- Electrical Engineer  
 TP- Trade Partner GC- General Contractor

Level	System	Element	3D Model?	Level of Detail (LOD), Model Element Author (MEA)										Comments							
				Basic Design		Detailed Design		CONSTRUCTION MODEL		RECORD MODEL											
				LOD	MEA	LOD	MEA	LOD	MEA	LOD	MEA	LOD	MEA								
8.2	GENERAL	8.2.1	Clearance Requirements	Yes	N/A	AR	200	AR	200	GC/TP	200	GC/TP	200	GC/TP	200	GC/TP	Including shop/fabrication drawings as well as architectural/structurally significant as-built info captured in the architectural and structural models				
		8.2.2	Working Areas	Yes	N/A	AR	200	AR	200	GC/TP	200	GC/TP	200	GC/TP	200	GC/TP	Designated areas where there CANNOT be any other building elements				
		8.2.3	Structural Penetrations and Block Outs	Yes	N/A	AR	200	SE	350	GC/TP	500	GC/TP	500	GC/TP	500	GC/TP	Designated working areas as dictated by Code and/or Owner Requirements				
		8.2.5	Swing Areas	Yes	N/A	AR	200	AR	200	GC/TP	200	GC/TP	200	GC/TP	200	GC/TP	Any required blockouts and penetrations through Building Structure				
		8.2.6	Prefabrication	Yes	N/A	SE	N/A	SE	200	GC/TP	200	GC/TP	200	GC/TP	200	GC/TP	Swing areas around Equipment Doors				
		8.2.7	Hangers and Seismic Bracing	Yes	N/A	SE	N/A	SE	350	GC/TP	500	GC/TP	500	GC/TP	500	GC/TP	Clearance needed to install prefabricated systems and/or elements				
		8.4.1	Exterior Walls	Yes	200	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR	Required for any elements needing support and/or seismic bracing		
		8.4.1	Hatch/Door access (Envelope)	Yes	N/A	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.2	Exterior Curtain Walls	Yes	200	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.2	Studs & Joists - Exterior Framing	Yes	N/A	AR	200	AR	300	AR	300	AR	300	AR/TP	300	AR/TP	300	AR/TP			
8.4	ARCHITECTURAL	8.4.3	Interior Walls	Yes	200	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR	All partitions / walls will be represented at accurate heights in the model		
		8.4.3	Studs & Joists - Interior	Yes	N/A	AR	200	AR	300	AR	300	AR	300	AR/TP	300	AR/TP	300	AR/TP			
		8.4.3	Small Wall Openings	No	N/A	AR	200	AR	200	AR	200	AR	200	AR	200	AR	200	AR			
		8.4.4	Doors - Interior and Exterior	Yes	200	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.5	Floors	Yes	200	AR	200	AR	200	AR	200	AR	200	AR	200	AR	200	AR			
		8.4.5	Path of travel envelopes	Yes	N/A	AR	200	AR	200	AR	200	AR	200	AR	200	AR	200	AR			
		8.4.6	Stairs and Ramps	Yes	200	AR	200	AR	300	N/A	300	N/A	300	N/A	300	N/A	300	N/A			
		8.4.7	Hard Ceilings and Soffits	Yes	200	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.7	Soffits	Yes	N/A	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.8	Suspended Ceilings	Yes	200	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.8	Ceiling Grid Supports	Yes	N/A	AR	200	AR	200	AR	200	AR	200	AR/TP	200	AR/TP	200	AR/TP			
		8.4.9	Shafts and Wall Chases	Yes	300	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.10	Architectural Features	Yes	N/A	AR	300	AR	350	AR	500	AR	500	AR	500	AR	500	AR			
		8.4.10	Pass-Throughs - Hoses	Yes	200	AR	200	AR	200	AR	500	AR/TP	500	AR/TP	500	AR/TP	500	AR/TP			
		8.4.11	Light Fixtures	Yes	N/A	AR	200	AR	300	AR	500	AR/TP	500	AR/TP	500	AR/TP	500	AR/TP	Design sets light fixture locations and elevation - Electrical Trade take over		
		8.4.12	Sinks	Yes	200	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.12	Equipment - Owner provided	Yes	200	AR	200	AR	400	AR	500	AR	500	AR	500	AR	500	AR			
		8.4.12	Scullery tables/wisinks	Yes	N/A	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.12	Plumbing Fixtures	Yes	200	AR	200	AR	350	AR	500	AR	500	AR	500	AR	500	AR			
		8.4.12	Elevators	Yes	200	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR	Pit and Shaft Only		
		8.4.12	Furniture - Non-Laboratory	No	N/A	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.12	PC Stations	No	N/A	AR	200	AR	200	AR	200	AR	200	AR	200	AR	200	AR			
		8.4.13	Fixed Casework	Yes	N/A	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.14	Fire extinguishers	Yes	N/A	AR	200	AR	300	AR	300	AR	300	AR	300	AR	300	AR			
		8.4.15	Large Wall Openings	Yes	200	AR	200	AR	200	AR	200	AR	200	AR	200	AR	200	AR			
		8.5	STRUCTURAL	8.5.1	Beams and Columns	Yes	200	SE	300	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP	
				8.5.2	Braces and Gusset Plates	Yes	200	SE	300	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP	
				8.5.2	Girts	Yes	200	SE	300	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP	
				8.5.2	Base plates	Yes	N/A	SE	200	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP	Model at critical areas only (Final Design)
				8.5.3	Building Seismic Bracing	Yes	200	SE	200	SE	300	GC/TP	300	GC/TP	300	GC/TP	300	GC/TP	300	GC/TP	
8.5.3	Seismic Bracing (MEP Systems)			Yes	N/A	SE	200	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP	MEP-ARCH Contractors to add for MEP and ARCH Systems.		
8.5.4	Structural Trusses			Yes	200	SE	300	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP			
8.5.5	Stair landings/walkway access (envelope)			Yes	200	SE	200	SE	200	SE	200	SE	200	SE	200	SE	200	SE	Modeling LOD stops at Detailed Design		
8.5.5	Platform Framing			Yes	200	SE	200	SE	300	SE/TP	500	TP	500	TP	500	TP	500	TP			
8.5.6	Embeds			Yes	200	SE	200	SE	400	SE/TP	500	TP	500	TP	500	TP	500	TP			
8.5.7	Misc. support steel			Yes	200	SE	300	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP	Any misc. metals that need to be coordinated will be modeled		
8.5.7	Monorails, Lifting points			Yes	200	SE	300	SE	400	SE/TP	500	TP	500	TP	500	TP	500	TP	Monorail Travel Path, Envelope for equipment.		
8.5.7	Hatch/Door access (Envelope)			Yes	N/A	SE	200	SE	300	SE/TP	300	SE/TP	300	SE/TP	300	SE/TP	300	SE/TP	See Architectural		
8.5.7	Pipe rack Steel			Yes	200	SE	200	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP			
8.5.7	Knock out panels			No	N/A	SE	200	SE	200	SE	200	SE	200	SE	200	SE	200	SE	Model Envelope for space allocation.		
8.5.7	Misc. Pipe/Cable tray Supports			Yes	N/A	SE	200	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP	Modeled by MEP Contractor		
8.5.7	Duct/Ceiling Support			Yes	N/A	SE	200	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP	Modeled by MEP Contractor		
8.5.7	Short Outriggers			No	N/A	SE	200	SE	300	SE/TP	300	SE/TP	300	SE/TP	300	SE/TP	300	SE/TP			
8.5.7	Miscellaneous Steel			No	N/A	SE	200	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP	Plates, Connection angles, bolts, and sag rods		
8.5.7	Grout			No	N/A	SE	200	SE	200	SE	200	SE	200	SE	200	SE	200	SE	Will not model, if less than 10"		
8.5.7	Field Support Steel			No	N/A	SE	200	SE	300	SE/TP	300	SE/TP	300	SE/TP	300	SE/TP	300	SE/TP			
8.5.7	Framing required for wall and roof openings			No	N/A	SE	200	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP			
8.5.8	Grating and checkered plate			Yes	200	SE	200	SE	300	SE/TP	300	SE/TP	300	SE/TP	300	SE/TP	300	SE/TP	Model as slab and includes openings >= 10"		
8.5.11	Concrete - Slabs			Yes	200	SE	200	SE	200	TP	200	TP	200	TP	200	TP	200	TP	Modeling LOD stops at Detailed Design		
8.5.11	Concrete - Building Foundations/Foundations			Yes	200	SE	200	SE	300	TP	300	TP	300	TP	300	TP	300	TP	Piers, Footings, Pile caps, Grade beams.		
8.5.11	Concrete - Equipment Foundations that project above & below slab			Yes	200	SE	200	SE	300	TP	300	TP	300	TP	300	TP	300	TP			
8.5.11	Concrete - Equipment Pads			Yes	200	SE	200	SE	300	TP	300	TP	300	TP	300	TP	300	TP	Including Pump pads.		
8.5.11	Concrete - Curbs			Yes	200	SE	200	SE	200	TP	200	TP	200	TP	200	TP	200	TP	Will not model curbs under walls. Modeling LOD stops at Detailed Design		
8.5.11	Concrete - Walls			Yes	200	SE	200	SE	200	TP	200	TP	200	TP	200	TP	200	TP	Foundation walls, dike walls.		
8.5.11	Concrete - Piles			Yes	200	SE	200	SE	200	TP	200	TP	200	TP	200	TP	200	TP	Modeling LOD stops at Detailed Design		
8.5.11	Concrete - Trenches	Yes	200	SE	200	SE	200	TP	200	TP	200	TP	200	TP	200	TP	To be modeled, if underground utility exists.				
8.5.11	Concrete - Sumps	Yes	200	SE	200	SE	200	TP	200	TP	200	TP	200	TP	200	TP					
8.5.11	Concrete - Slab openings	Yes	200	SE	200	SE	200	TP	200	TP	200	TP	200	TP	200	TP	Smaller than 10" will not be modeled.				
8.5.8	Anchor Bolts	Yes	N/A	SE	200	SE	350	SE/TP	500	TP	500	TP	500	TP	500	TP	Model at critical areas only (Final Design)				
8.5.11	Concrete Slopes	No	N/A	SE	200	SE	200	SE/TP	200	SE/TP	200	SE/TP	200	SE/TP	200	SE/TP					
8.5.9	Sleeves and Openings	No	N/A	SE	200	SE	200	SE	200	SE	200	SE	200	SE	200	SE					
8.5.9	Horizontal openings in foundations, grade beams, trenches	No	N/A	SE	200	SE	300	SE/TP	300	SE/TP	300	SE/TP	300	SE/TP	300	SE/TP	For Electrical and Piping				
8.5.10																					

include all updated models, plans, elevations, details, shop drawings, revisions, addendums, bulletins and schedules from all Trade Partners.

- 13.6.2.** All conditions depicted in change orders, design revisions, scope, field conditions, addenda, and bulletins, including manually drafted drawings, shall be incorporated electronically into the final model so that each model accurately depicts all corresponding project conditions at the time of completion.

### **13.7. Submittal of Record Model to XL Construction**

- 13.7.1.** The Record Set shall be submitted to XL Construction as defined by the Contract Documents.
- 13.7.2.** A Record Model shall be provided for each phase, building, or structure as it is completed.
- 13.7.3.** The Record Model should maintain all parameters and requirements set forth by the General Guidelines. If the model is not in compliance, Trade Partners may be required to correct the files and resubmit the model at the sole cost of Trade Partners. XL Construction may require the Record Model to be resubmitted if it does not accurately reflect project conditions at the time of completion.

### **13.8. Record Model Transmittal**

The Record Model should be sent directly to XL Construction CT Project Manager, or as specified in the contract documents.