

RESOLUTION NO. 23-9250

**A RESOLUTION OF THE CITY OF SANTA CLARA,
CALIFORNIA, TO APPROVE A REZONE FROM PLANNED
DEVELOPMENT (PD) TO HEAVY INDUSTRIAL (MH) TO
ALLOW THE PROPOSED USE OF HEAVY INDUSTRIAL FOR A
METAL FABRICATION AND SPINNING BUSINESS AT 700
MATHEW STREET, SANTA CLARA**

(File No. PLN23-00054- Rezoning)

BE IT RESOLVED BY THE CITY OF SANTA CLARA AS FOLLOWS:

WHEREAS, on February 16, 2023, Brian Brown with HPC Architecture (“Applicant”), on behalf of Andrew Czisch with QMS Shields (“Owner”) filed an application (PLN23-00054) for the 64,989 square foot site consisting of two contiguous parcels (APN: 224-03-086 and 224-03-000) located at 700 Mathew Street with a surface parking lot and two one-story industrial buildings totaling 38,535 square feet (“Project Site”);

WHEREAS, the General Plan land use designation for the Project Site is Heavy Industrial, and it is zoned Planned Development (PD);

WHEREAS, the Project Site is developed with two industrial buildings that were previously occupied by a recreation business, ‘Off the Wall Soccer’, warehouse, and surface parking;

WHEREAS, the Property Owner applied to rezone the Project Site from Planned Development (PD) to Heavy Industrial (MH) to allow the existing buildings to be used for a heavy industrial business (“Project”) as shown on the development plans, attached hereto and incorporated herein by reference;

WHEREAS, the Project is Categorically Exempt from formal environmental review per Section 15301, Class 1 “Existing Facilities” of the Guidelines of the California Environmental Quality Act (“CEQA”), which applies to small additions and minor modifications to existing facilities. Here the proposal involves a small mezzanine addition inside the building without changing the building footprint and site improvements, and would have negligible effects on the environment;

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WHEREAS, on June 1, 2023, the notice of meeting date for this item was posted in three conspicuous locations within 300 feet of the Project Site and mailed to property owners within a 300 foot radius of the Project Site for the Planning Commission hearing on June 14, 2023 and City Council hearing on July 18, 2023;

WHEREAS, on June 14, 2023, the Planning Commission held a duly noticed public hearing, at the conclusion of which the Planning Commission voted unanimously to recommend that the City Council approve the Rezoning; and

WHEREAS, on July 18, 2023, the City Council held a duly noticed public hearing to consider the Rezoning application, at which time all interested persons were given an opportunity to give testimony and the City Council considered the information presented in the Staff Report and all verbal and written evidence.

NOW THEREFORE, BE IT FURTHER RESOLVED BY THE CITY OF SANTA CLARA AS FOLLOWS:

1. That the City Council hereby finds that the above Recitals are true and correct and by this reference makes them a part hereof.

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2. That the City Council hereby approves rezoning the Project Site from Planned Development (PD) to Heavy Industrial (MH) to allow the existing buildings on the project site to be used for a heavy industrial business, as depicted on the attached Illustration Plan, incorporated herein by this reference.

3. Effective date. This resolution shall become effective immediately.

I HEREBY CERTIFY THE FOREGOING TO BE A TRUE COPY OF A RESOLUTION PASSED AND ADOPTED BY THE CITY OF SANTA CLARA, CALIFORNIA, AT A REGULAR MEETING THEREOF HELD ON THE 18TH DAY OF JULY, 2023, BY THE FOLLOWING VOTE:

AYES:	COUNCILORS:	Becker, Chahal, Hardy, Jain, Park, and Watanabe, and Mayor Gillmor
NOES:	COUNCILORS:	None
ABSENT:	COUNCILORS:	None
ABSTAINED:	COUNCILORS:	None

ATTEST:



NORA PIMENTEL, MMC
ASSISTANT CITY CLERK
CITY OF SANTA CLARA

Attachments Incorporated by Reference:
1. Development Plans

RE-ZONING PERMIT FOR



700 MATHEW ST,
SANTA CLARA, CA 95050



PROJECT DATA

TOTAL SITE AREA	64,898 S.F.
EXISTING BUILDING AREA	BUILDING A: 22,032 S.F. B: 16,503 S.F.
EXISTING USE	INDOOR SOCCER FACILITY
PROPOSED BUILDING AREA	BUILDING A: 23,623 S.F. B: 34,062 S.F.
PROPOSED USE	HEAVY MANUFACTURING
LOT COVERAGE	59.8%
OCCUPANCY	B, F-1
NUMBER OF PROPOSED STORIES	2
MAX HEIGHT	35' - 0"
CONSTRUCTION TYPE	BUILDING A: V-A BUILDING B: V-A
FIRE SPRINKLERED	YES

ALLOWABLE AREA ANALYSIS

AREA:	BUILDING A: 23,623 S.F.
	BUILDING B: 24,062 S.F.
BUILDING TYPE:	BUILDING A: V-A WITH SPRINKLERS BUILDING B: V-A WITH SPRINKLERS
BUILDING ALLOWABLE STORIES:	BUILDING A: 3 BUILDING B: 2
ALLOWABLE AREA:	BUILDING A: 42,000 S.F. BUILDING B: 42,000 S.F.
AREA	BUILDING A 23,623 S.F. < 42,000 S.F. ALLOWABLE BUILDING B 24,062 S.F. < 25,500 S.F. ALLOWABLE

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- LANDSCAPE
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- L-2 PROPOSED LANDSCAPE PLAN

SCOPE OF WORK

Re-zoning application for existing adjacent buildings. Use to be changed from indoor soccer facility to automated metal fabrication facility for production of high precision metal components. Use will include shipping and receiving of production materials and completed fabrication products.

Scope of work to include demolition of interior asphaltic flooring to be replaced with concrete interior flooring and seismically separated foundations for large-format metal shaping tools. Scope also includes remodeling/expansion of interior 2-story office area. Both buildings will have a new elevated equipment platform within the open warehouse for tool installation and maintenance access.

PROJECT REPRESENTATIVES

OWNER Quality Metal Spinning & Machining, Inc. 4047 Transport St. Palo Alto, CA 94303	Contact: Andrew Czisch E-mail: andrew@qmsshields.com Phone: (650) 858-2491
ARCHITECT tpc Architecture, Inc. 225 N. Market Street, Suite 255 San Jose, CA 95110	Contact: Brian Brown E-mail: bbrown@tpc-arch.com Phone: (408) 297-5454 Direct: (408) 675-1782
CIVIL JMFI Weiss, Inc. 1731 Technology Drive, Suite 880 San Jose, CA 95110	Contact: Nicholas Brown E-mail: nbrown@jmfiweiss.com Phone: (408) 286-4555
LANDSCAPE RW Stover & Associates, Inc. 1620 North Main Street, Suite 4 Walnut Creek, CA 94596	Contact: Rick Stover E-mail: rstover@rwea.com Phone: (925) 933-2983, ext 105
ELECTRICAL (For Reference Only) Serrano Electric, Inc. 15920 Concord Cir. Morgan Hill, CA 95037	Contact: Dave Haney E-mail: Dave@serranoelectric.com Phone: (408) 968-1570, ext 109

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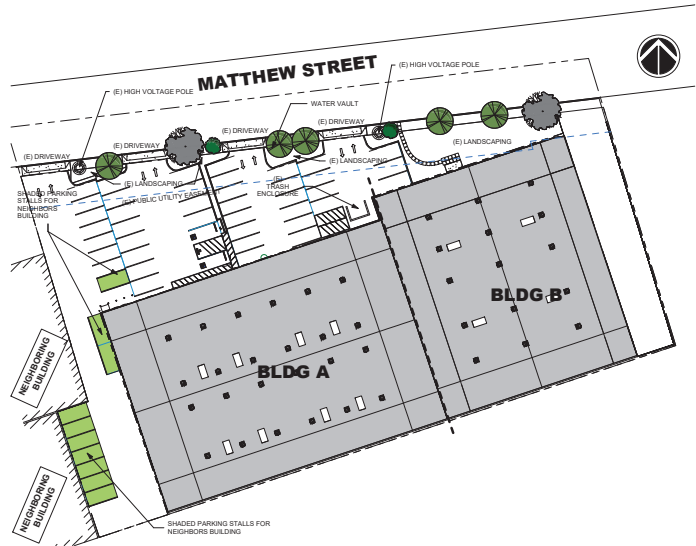
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PL0

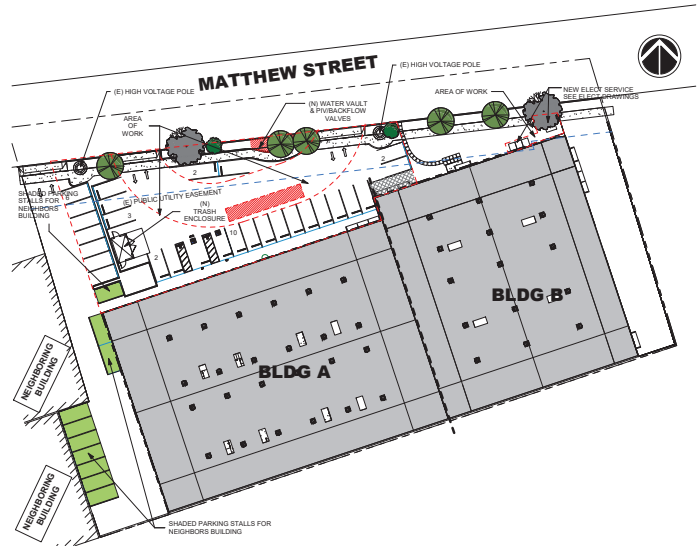


1 Phased Site Plan - Existing

SCALE: 1" = 30'-0"

EXISTING SITE NOTES:

- PENDING WORK FOR POWER UPGRADE TO BUILDING 'A' AND 'B'
- EXISTING FIRE SPRINKLER SYSTEMS FOR BUILDINGS ON SITE ARE CONSIDERED EXISTING NON-CONFORMING
- EXISTING CITY-APPROVED EVA ACCESS PLAN FOR CURRENT SITE IS NON COMPLIANT WITH CURRENT SC FIRE CODE REQUIREMENTS
- ZONING IS CURRENTLY PD WITH APPROVED USES OF:
 - INDOOR SOCCER TRAINING FACILITY
 - WAREHOUSE

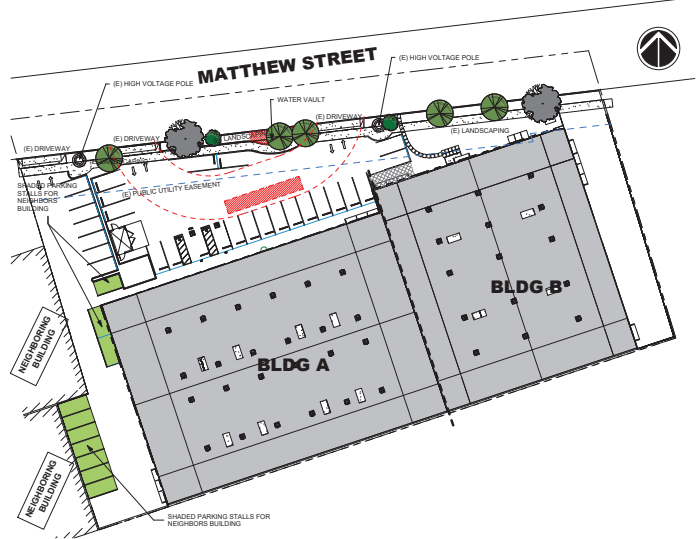


2 Phased Site Plan - Phase Zero

SCALE: 1" = 30'-0"

PHASE ZERO SITE NOTES:

- POWER UPGRADE TO BUILDING 'A' AND 'B' WILL BE CONCURRENT WITH PHASE ZERO WORK
- UPGRADED EVAE TO MEET WITH PROPOSED IMPROVEMENTS. SEE SHEET FP1.0
- PN AND FOC CONNECTIONS FOR BOTH BUILDING 'A' AND 'B' TO BE SEPARATED, INCLUDING INTERIOR FIRE SPRINKLER SYSTEM
- NEW TRASH ENCLOSURE
- EXTERIOR ROLL-UP DOORS SHALL BE ADDED DURING THIS PHASE
- NEW 5'-0" PUBLIC R.O.W. TO BE ADDED ALONG FRONTAGE OF MATHEW STREET

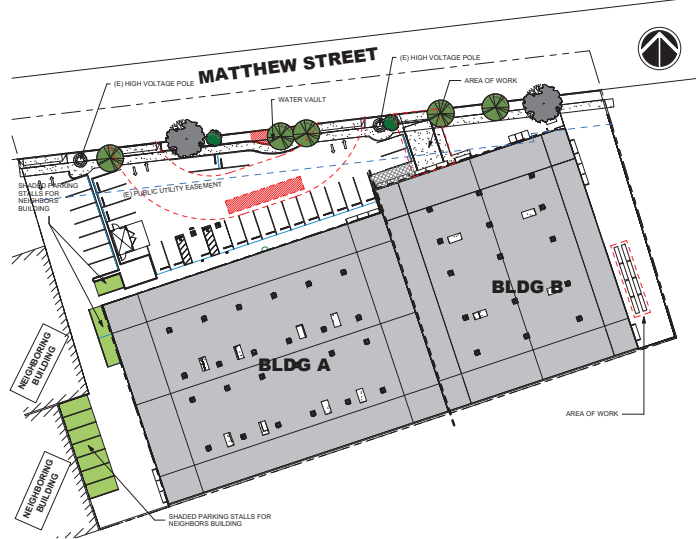


3 Phased Site Plan - Phase One

SCALE: 1" = 30'-0"

PHASE ONE SITE NOTES:

- NO SITE IMPROVEMENTS PLANNED FOR THIS PHASE



4 Phased Site Plan - Phase Two

SCALE: 1" = 30'-0"

PHASE TWO SITE NOTES:

- TRUCK DOCK ADDED TO THIS PHASE AS PART OF SHIPPING/RECEIVING BUILD OUT FOR PHASE 2
- NEW HVAC EQUIPMENT PLACED IN EAST YARD (POTENTIAL ALTERNATE PLACEMENT ONTO ROOF - REQUIRES STRUCTURAL UPGRADE)

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PL1-0

SITE LEGEND

- ACCESSIBLE PATH OF TRAVEL
- ▨ PLANTING AREA

PARKING COUNTS

USE	PARKING REQUIRED		Parking Schedule - EXISTING	
	RATIO	AREA	REQUIRED	Count
INDOOR SOCCER OFFICE	12000 / 1300	34,605 SF / 4,031 SF	18	2
			Accessible Space - Standard	2
			Parking Space	39
			Grand total:	41
			Total SF: 38,536	TOTAL: 32

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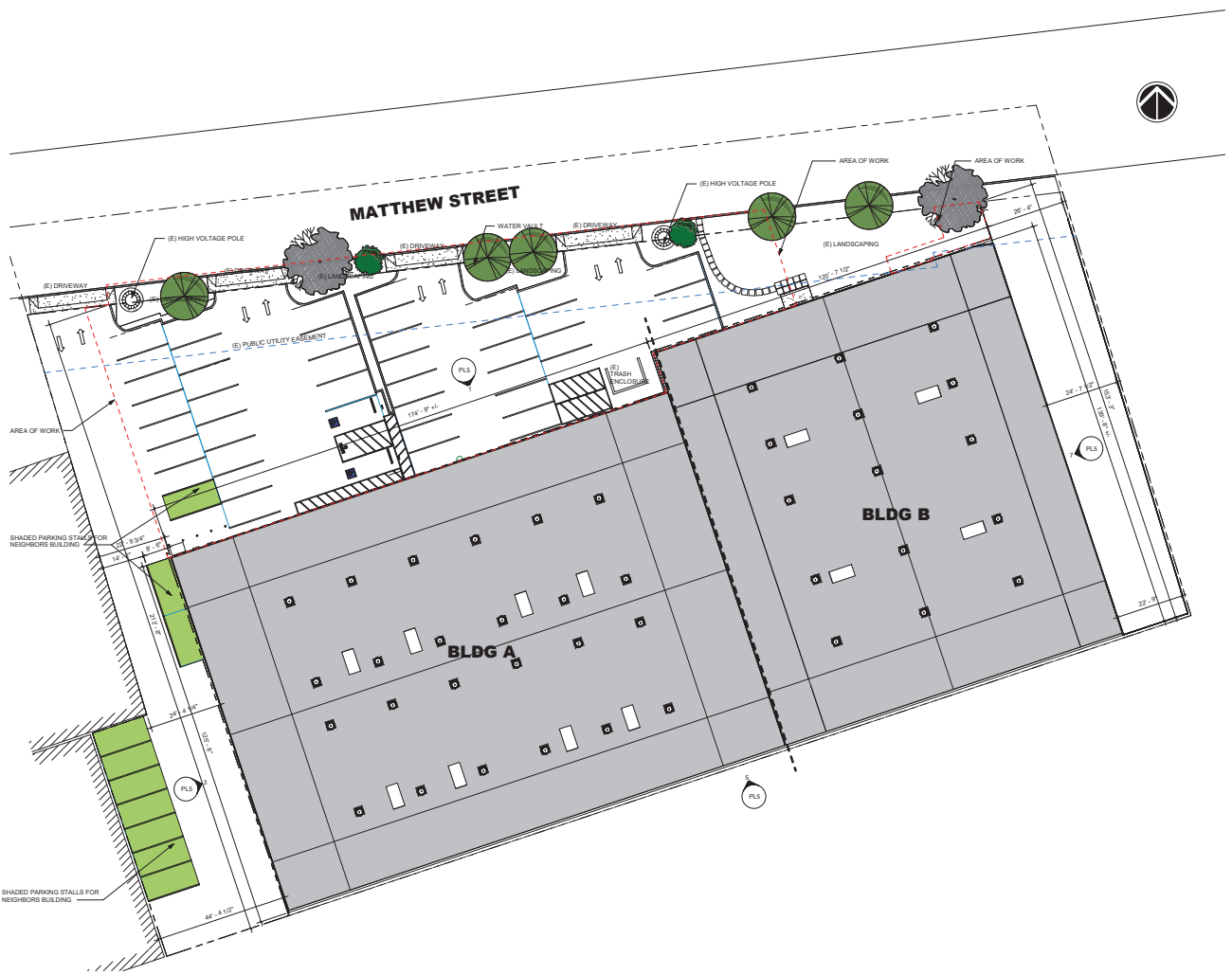
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PL1-1



1 Site - Existing
 SCALE: 1/16" = 1'-0"

SITE LEGEND

- ACCESSIBLE PATH OF TRAVEL
- ▨ PLANTING AREA

PARKING COUNTS

PARKING REQUIRED				PARKING PROPOSED	
USE	RATIO	AREA	REQUIRED	TYPE	COUNT
HEAVY MANUFACTURING	1:15000	47,648 SF	32	ACCESSIBLE SPACE - VAN	1
				ACCESSIBLE SPACE - STANDARD	1
				PARKING SPACE	28
TOTAL			32	TOTAL PROVIDED	28

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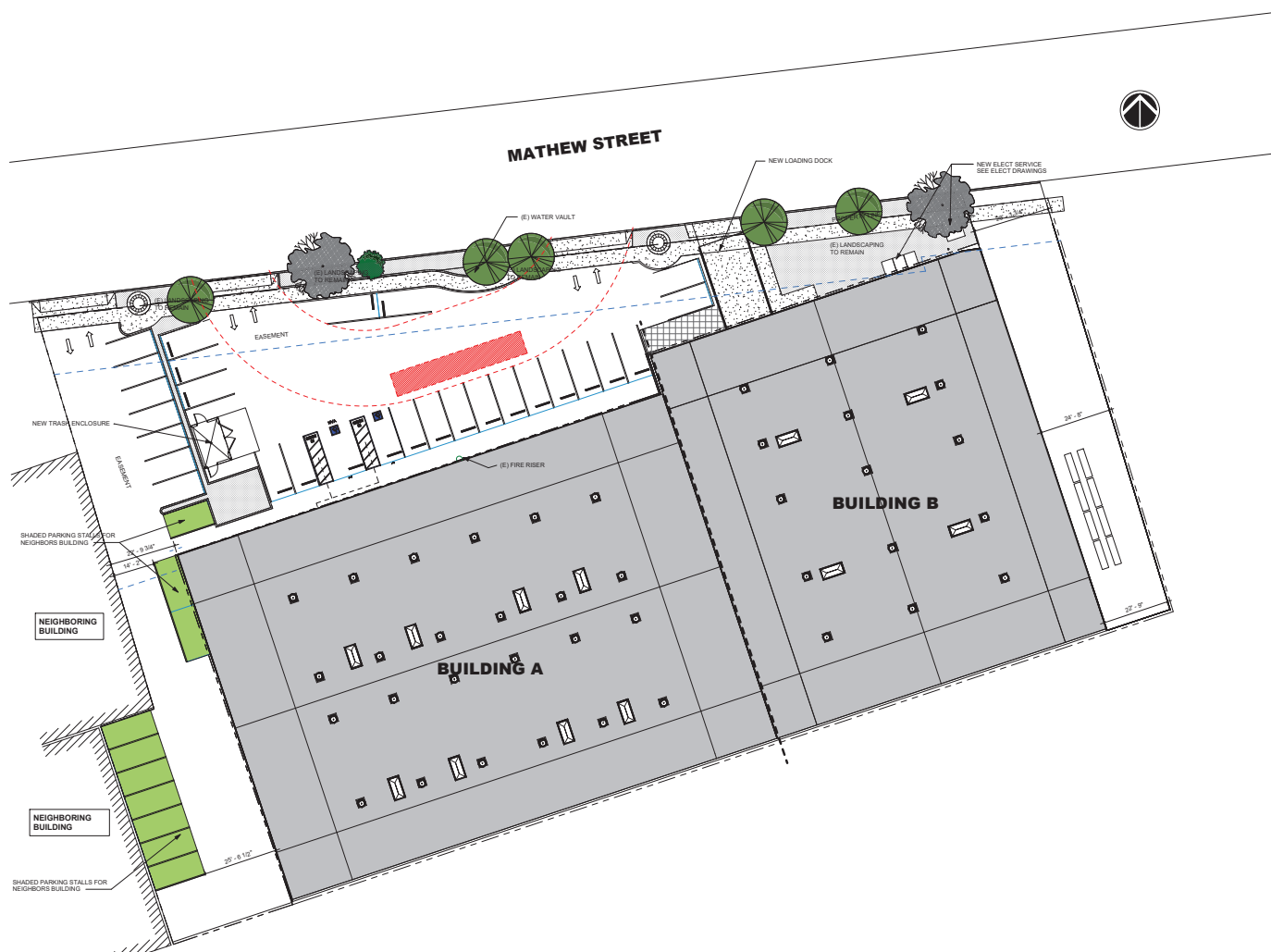
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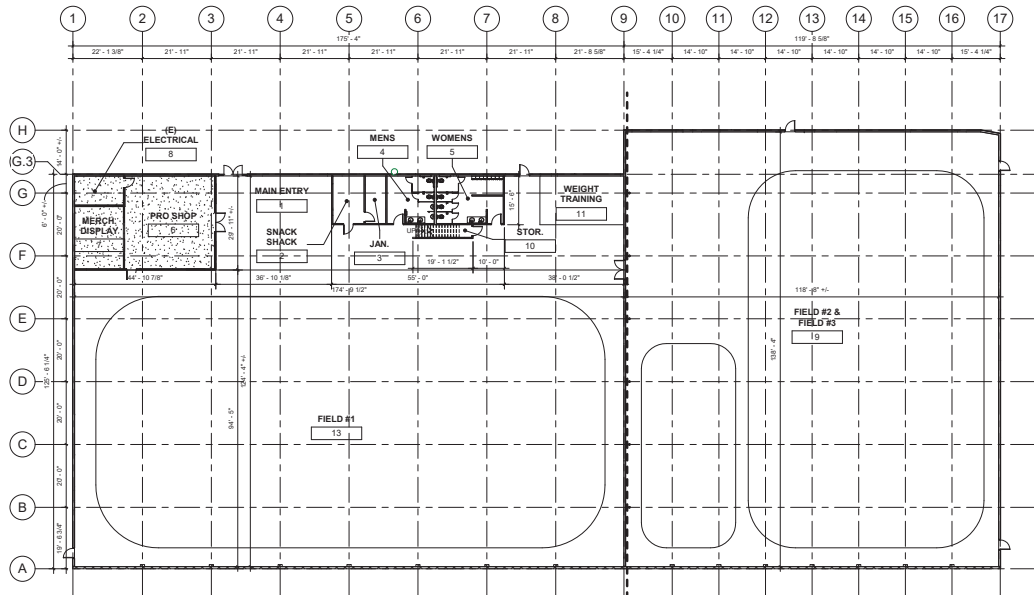
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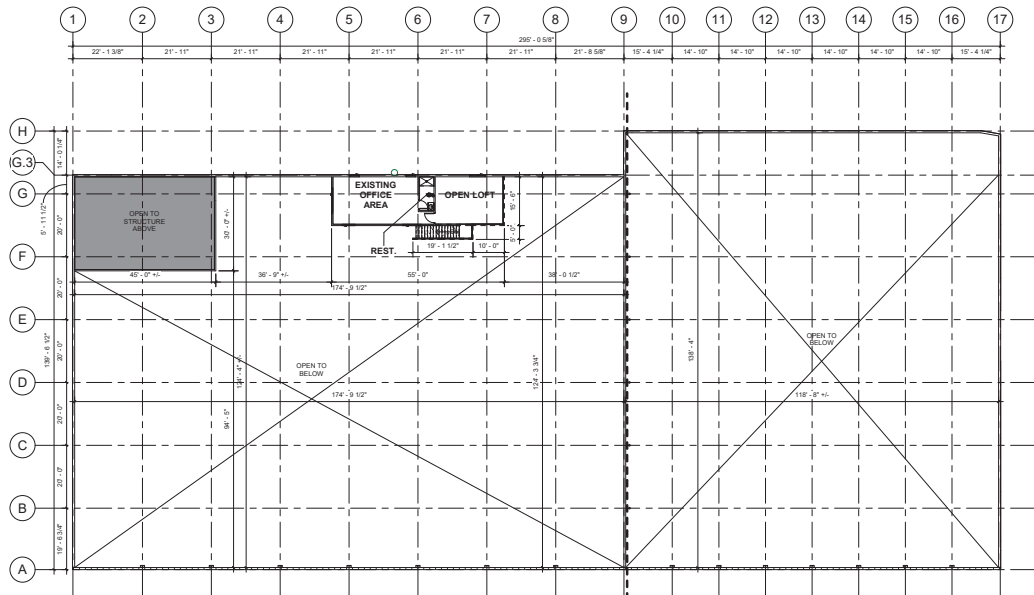
PL2



1 Site - Proposed
 SCALE: 1/8" = 1'-0"



1 EXISTING FLOOR PLAN - LEVEL 1
SCALE: 1/16" = 1'-0"



2 EXISTING FLOOR PLAN - LEVEL 2
SCALE: 1/16" = 1'-0"

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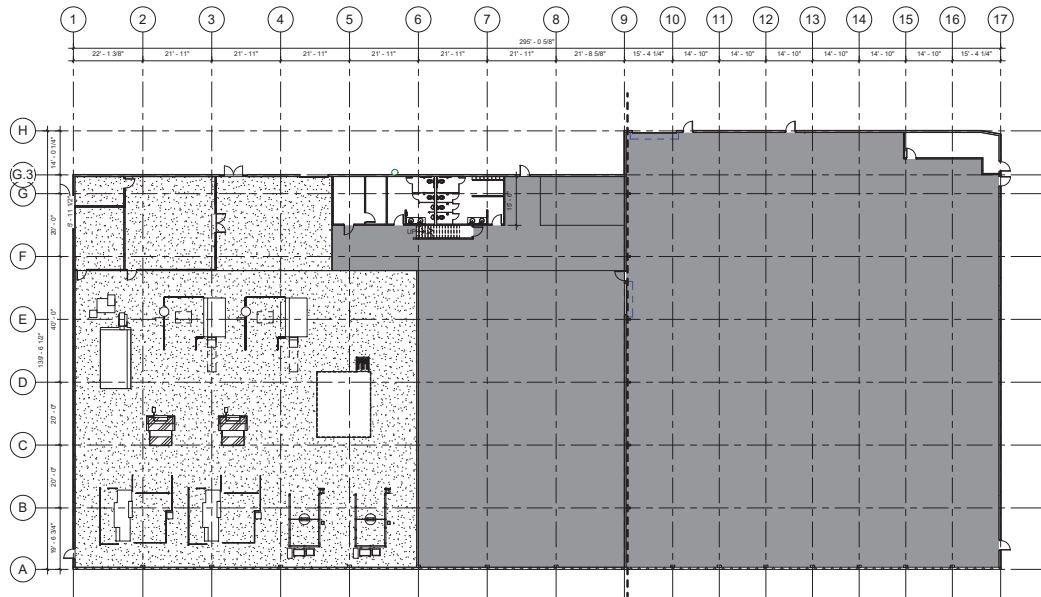
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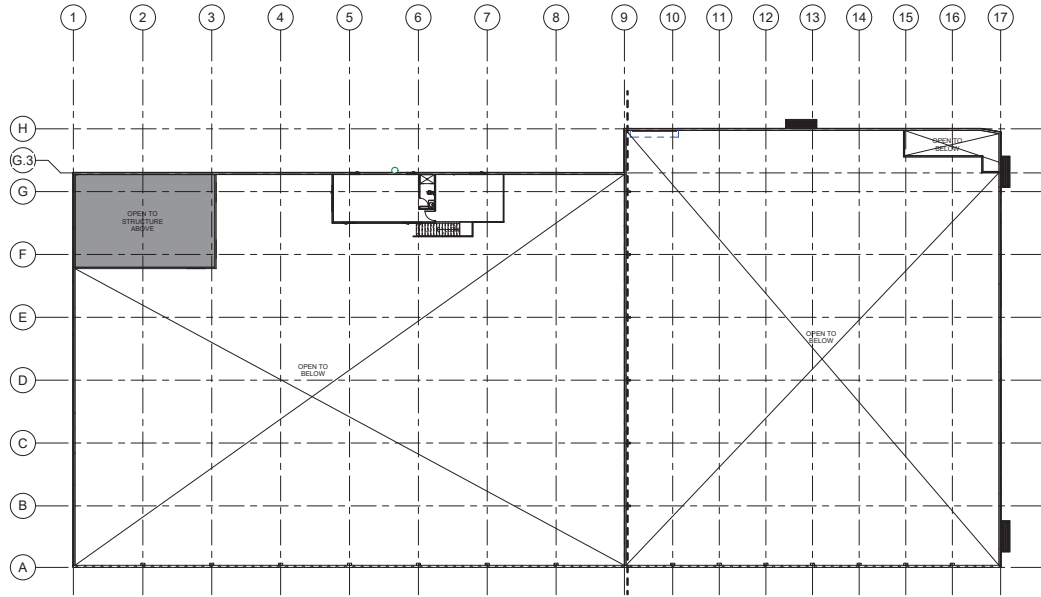
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PL3



1 PROPOSED FLOOR PLAN - PHASE 0 - LEVEL 1
SCALE: 1/16" = 1'-0"



2 PROPOSED FLOOR PLAN - PHASE 0 - LEVEL 2
SCALE: 1/16" = 1'-0"

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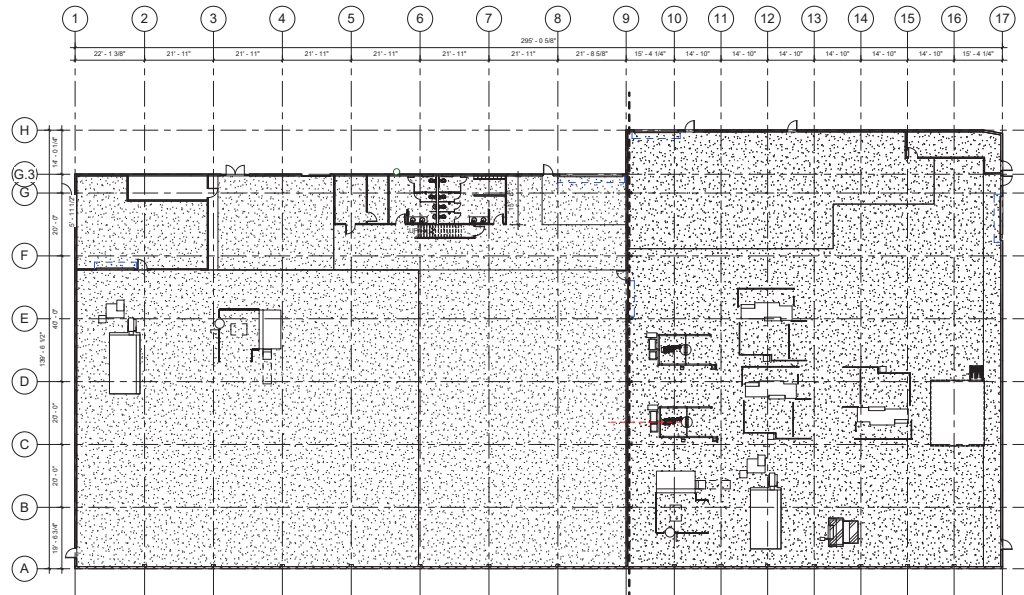
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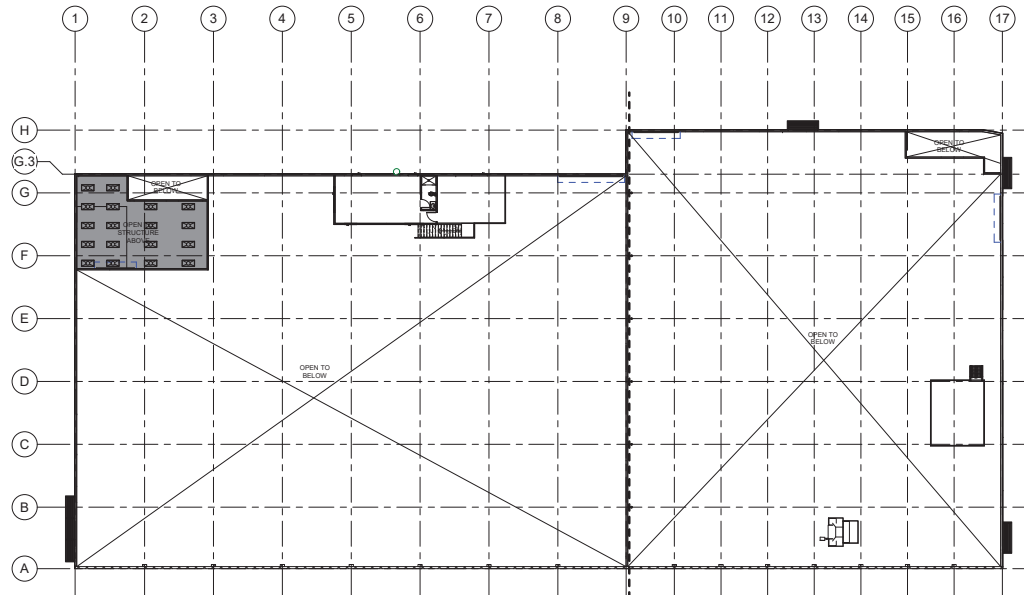
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PL4-1



1 PROPOSED FLOOR PLAN - PHASE 1 - LEVEL 1
SCALE: 1/16" = 1'-0"



2 PROPOSED FLOOR PLAN - PHASE 1 - LEVEL 2
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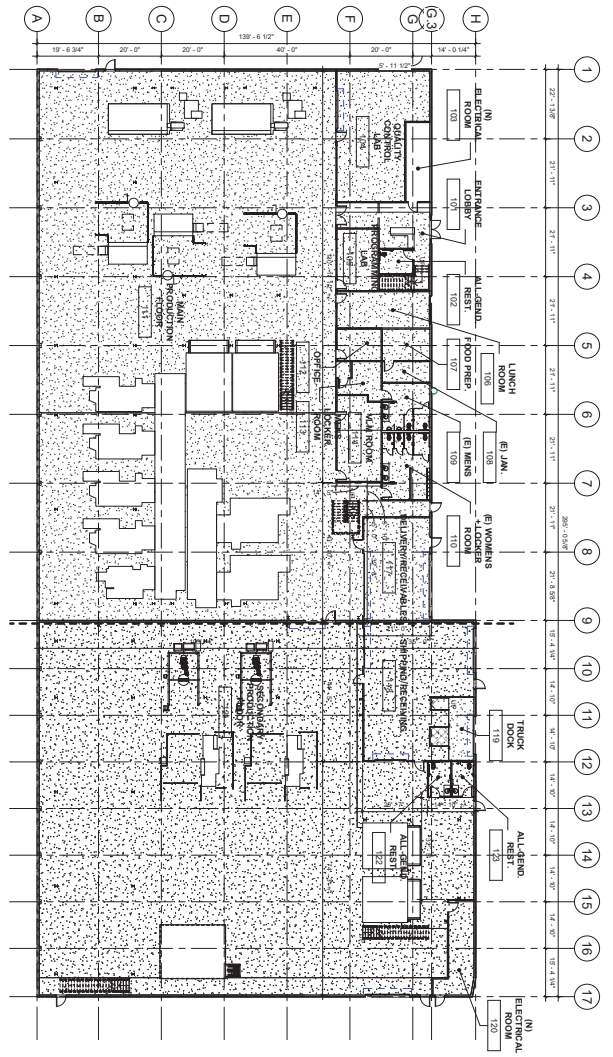
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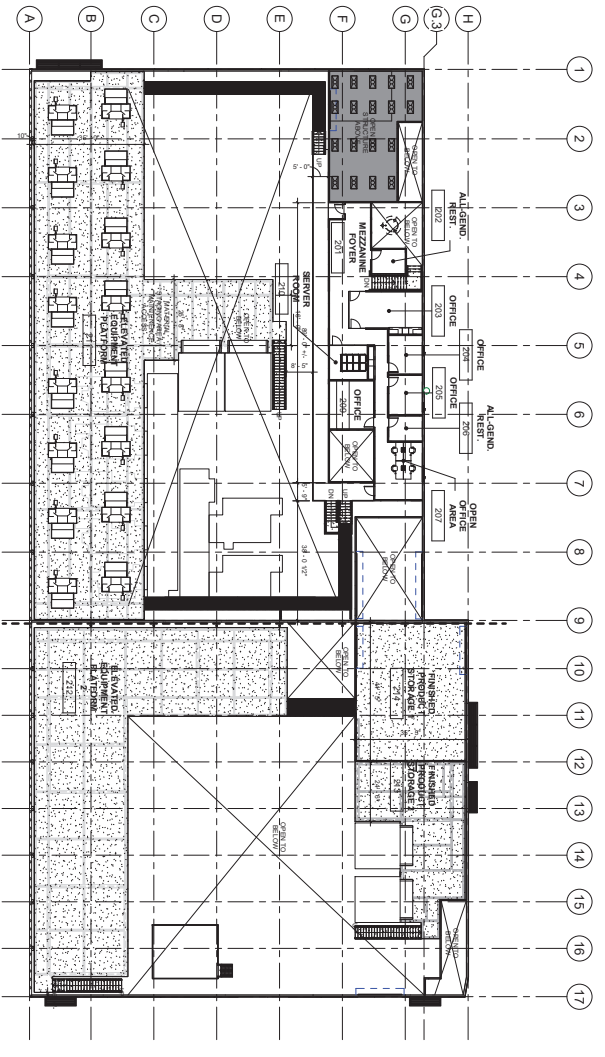
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PL4-2



2 PROPOSED FLOOR PLAN - PHASE 2 - LEVEL 1
SCALE: 1/8" = 1'-0"

PROPOSED SOFT AREAS				
USE	NO. OF	AREA	REMARKS	
OFFICE (200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000)	4,318 SF	3		
RESTROOM	1	208 SF	2	
HEAVY MANUFACTURING	1	4,050 SF	27	
TOTAL		8,576 SF	32	

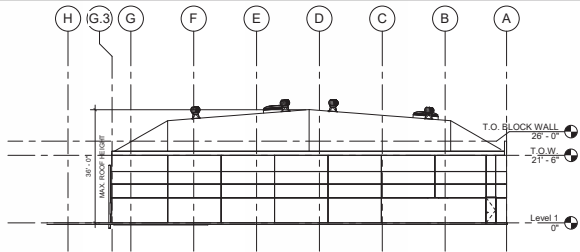


1 PROPOSED FLOOR PLAN - PHASE 2 - LEVEL 2
SCALE: 1/8" = 1'-0"



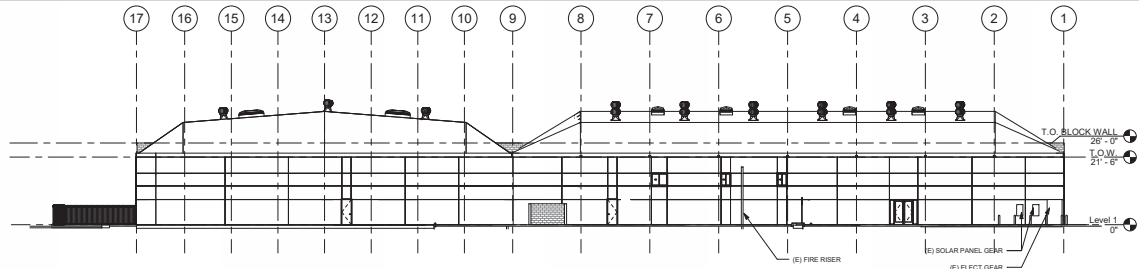
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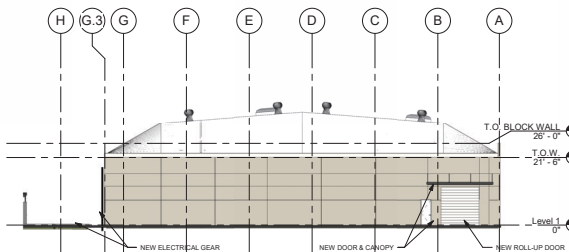
3 West Elevation - EXISTING

SCALE: 1/16" = 1'-0"



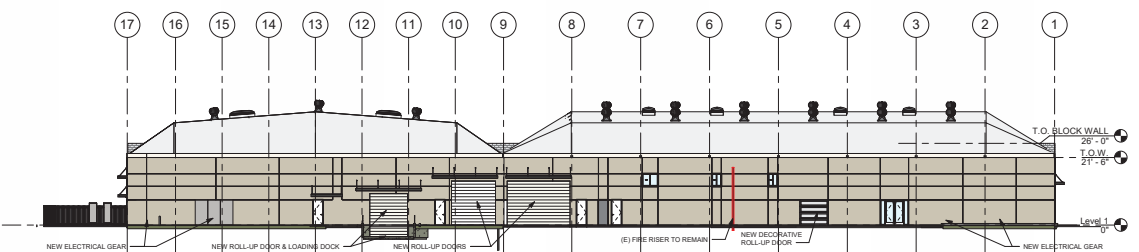
1 North Elevation - EXISTING

SCALE: 1/16" = 1'-0"



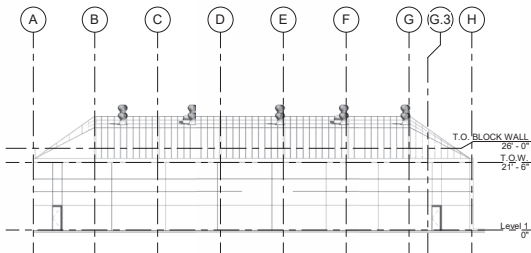
4 West Elevation - PROPOSED

SCALE: 1/16" = 1'-0"



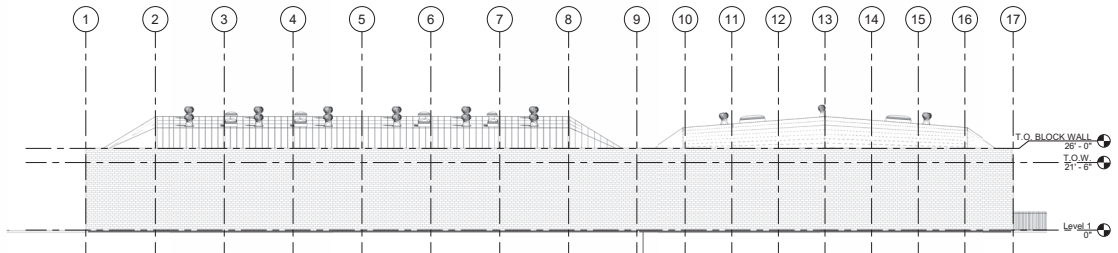
2 North Elevation - PROPOSED

SCALE: 1/16" = 1'-0"



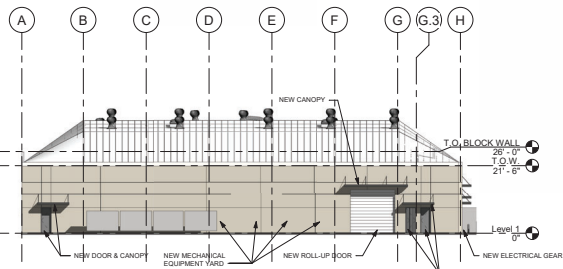
7 EAST ELEVATION - EXISTING

SCALE: 1/16" = 1'-0"



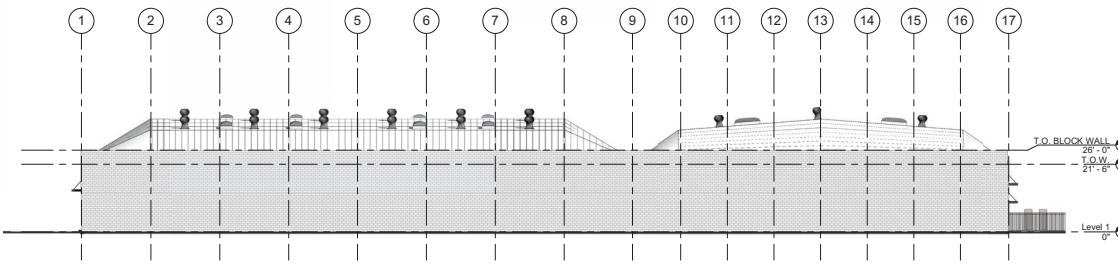
5 SOUTH ELEVATION - EXISTING

SCALE: 1/16" = 1'-0"



8 EAST ELEVATION - PROPOSED

SCALE: 1/16" = 1'-0"



6 SOUTH ELEVATION - PROPOSED

SCALE: 1/16" = 1'-0"

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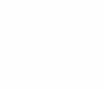
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22032
Date
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Drawn
Author
Sheet Title
ELEVATIONS

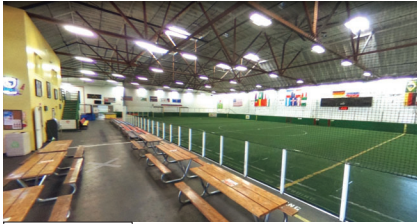
Scale
1/16" = 1'-0"

Revisions



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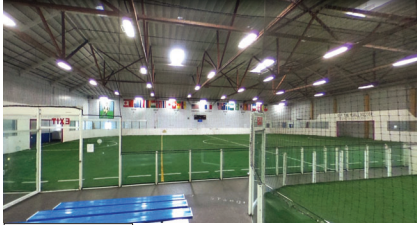
PL5



E1 - EXISTING INTERIOR BUILDING 'X'



E2 - EXISTING INTERIOR BUILDING 'X'



E3 - EXISTING INTERIOR BUILDING 'B'



E4 - EXISTING INTERIOR BUILDING 'B'



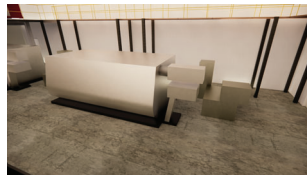
P2 - VERTICAL LIFT MODULE AND MATERIAL STAGING PLATFORM - BUILDING 'X'



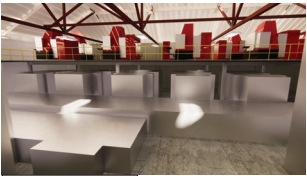
P3 - ROBOTIC LATHE AND EQUIPMENT YARD - BUILDING 'X'



P4 - ROBOTICALLY FED 5-AXIS LATHE ARRAY - BUILDING 'X'



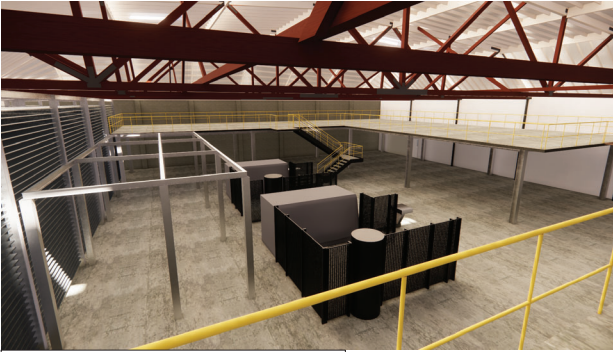
P5 - SELF-CONTAINED 3-AXIS LATHE UNIT - BUILDING 'X'



P6 - FUTURE TOOL AREA - BUILDING 'X'



P7 - METAL SPINNING UNITS - BUILDING 'X'



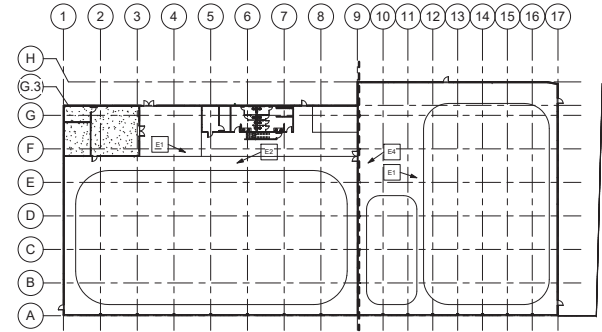
P9 - LASER ENGRAVING SYSTEM and ROBOTIC LATHE w/ EQUIPMENT YARD - BUILDING 'B' (PROPOSED)



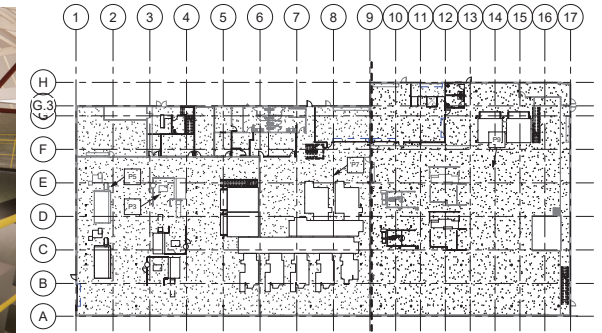
P1 - EQUIPMENT FLOOR VIEW - BUILDING 'A' (PROPOSED)



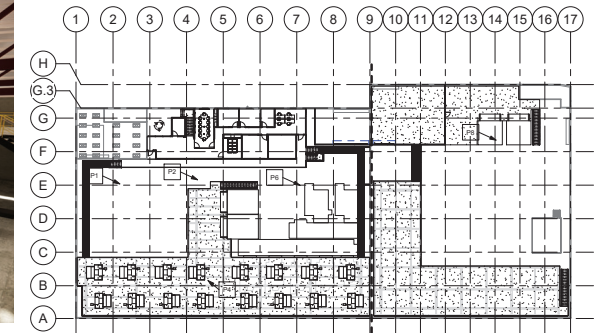
P8 - EQUIPMENT FLOOR VIEW - BUILDING 'B' (PROPOSED)



1 KEY PLAN - 1ST FLR (E)
SCALE: 1" = 30'-0"



2 KEY PLAN - 1ST FLR (PROPOSED)
SCALE: 1" = 30'-0"



3 KEY PLAN - 2ND FLR (PROPOSED)
SCALE: 1" = 30'-0"



E1 - EXISTING STREET PERSPECTIVE FOR SITE CONTEXT



E3 - EXISTING EAST YARD AND NORTHEAST CORNER OF BUILDING B



E3 - EXISTING NORTH ELEVATION OF BUILDING B AND BUILDING A



E4 - EXISTING NORTH ELEVATION OF BUILDING A



AERIAL VIEW - EXISTING



AERIAL VIEW - PROPOSED



P1 - PROPOSED EAST YARD AND NORTHEAST CORNER OF BUILDING B



P2 - PROPOSED NORTHERN ELEVATION FOR BUILDING A



P3 - PROPOSED TRUCK DOCK FOR BUILDING B



P4 - PROPOSED NORTHERN ELEVATION FOR BUILDING A & BUILDING B



1 KEY SITE PLAN
SCALE: 1" = 30'-0"

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Job Number	22032
Date	2023.01.09
Drawn	
Author	
Sheet Title	EXTERIOR IMAGES & PROPOSED RENDERINGS
Scale	1" = 30'-0"

Revisions	
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▲	
▲	
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PL7

SITE LEGEND

- ACCESSIBLE PATH OF TRAVEL
- ▨ PLANTING AREA

PARKING COUNTS

PARKING REQUIRED				PARKING PROPOSED	
USE	RATIO	AREA	REQUIRED	TYPE	COUNT
HEAVY MANUFACTURING	1/1500	43,027 SF	29	ACCESSIBLE SPACE - VAN	1
				ACCESSIBLE SPACE - STANDARD	1
				PARKING SPACE	26
			TOTAL	29	
				TOTAL PROVIDED	28

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 SANTA CLARA, CA 95050

QUALITY METAL FINISHING

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22032
 Date
2023.01.09
 Drawn
Author
 Sheet Title
PROPOSED SITE PLAN - EVA LAYOUT
 Scale
As Indicated

Revisions

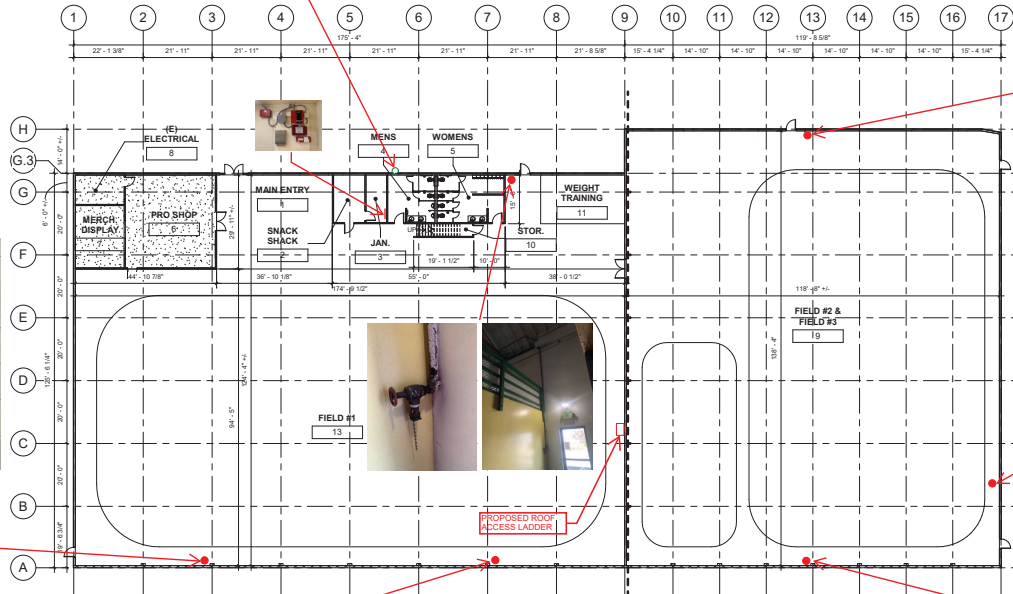
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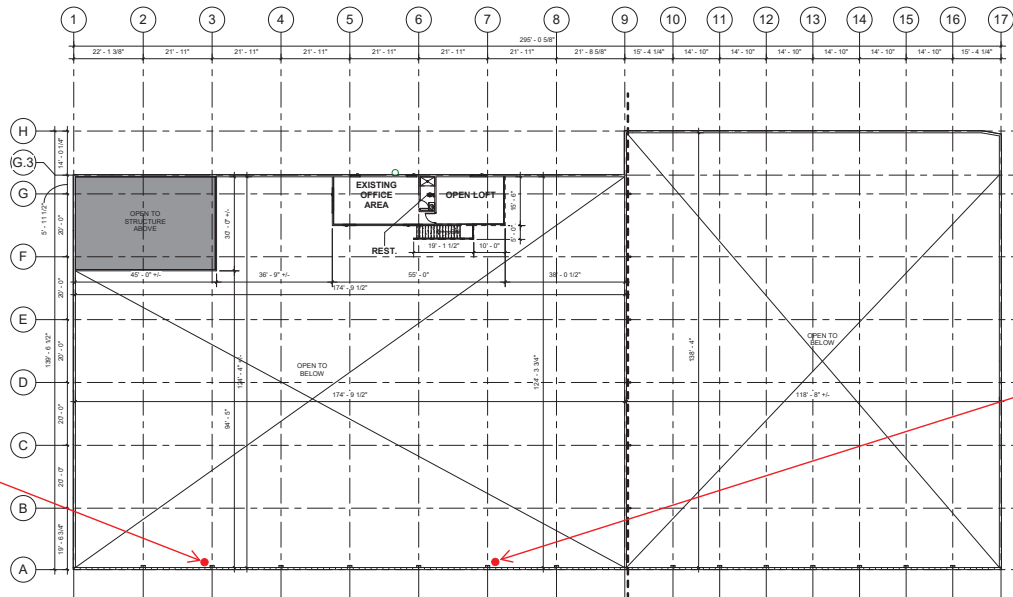
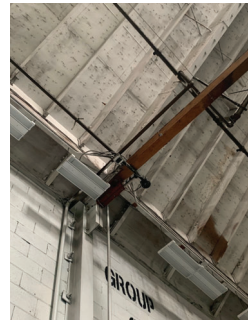
FP1.0



1 Site Plan - Proposed EVA Route
 SCALE: 1/8" = 1'-0"



1 EXISTING FLOOR PLAN - LEVEL 1
SCALE: 1/16" = 1'-0"



2 EXISTING FLOOR PLAN - LEVEL 2
SCALE: 1/16" = 1'-0"



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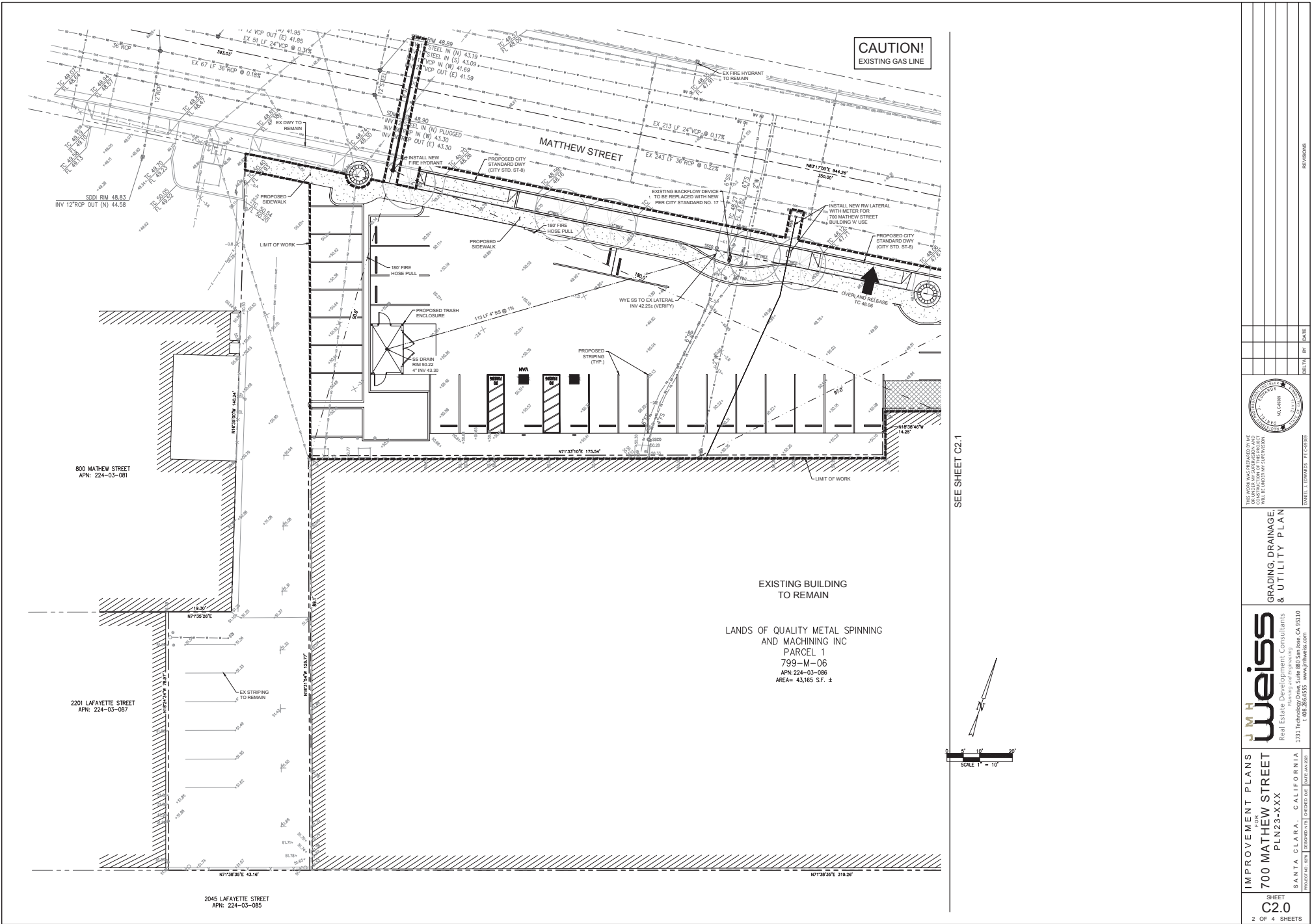
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QUALITY METAL BUILDINGS

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FLOOR PLANS
EXISTING
Scale
1/16" = 1'-0"

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FP1.1



CAUTION!
EXISTING GAS LINE

SEE SHEET C2.1



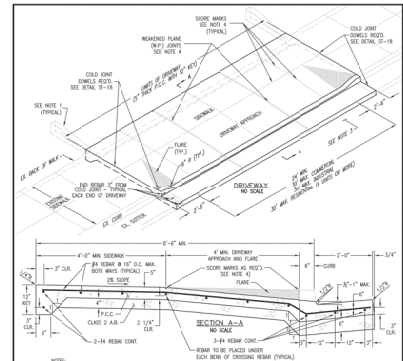
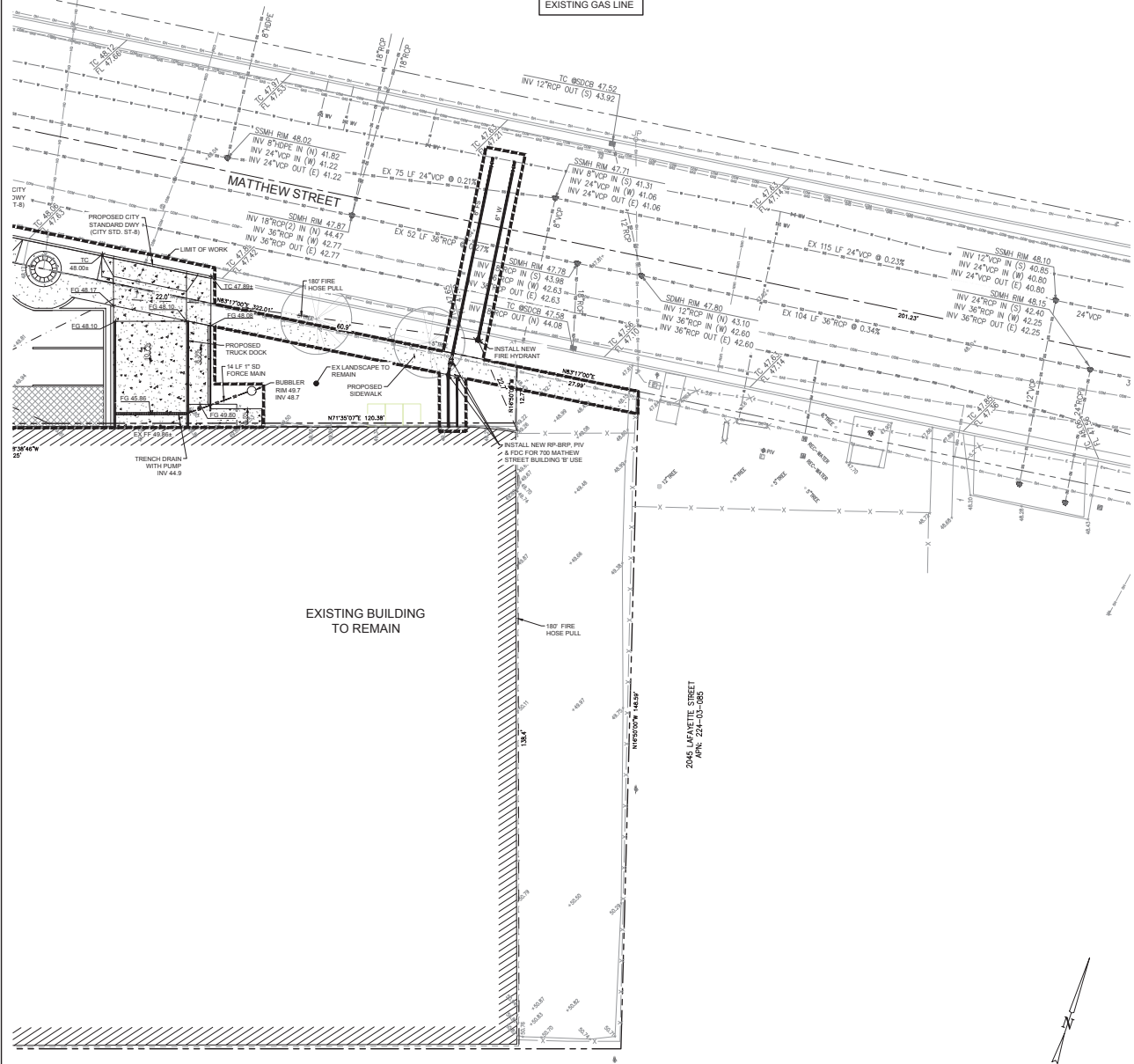
EXISTING BUILDING
TO REMAIN

LANDS OF QUALITY METAL SPINNING
AND MACHINING INC
PARCEL 1
799-M-06
APN: 224-03-086
AREA= 43,165 S.F. ±

IMPROVEMENT PLANS FOR 700 MATTHEW STREET PLN23-XXX	S.A.N.T.A. C.L.A.R.A. - CALIFORNIA PROJECT NO. 2023-0001 (EXHIBIT 17B) (EXHIBIT 17C)	SHEET C2.0 2 OF 4 SHEETS
GRADING, DRAINAGE, & UTILITY PLAN		
THIS WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA. MY EXPIRATION DATE IS 01/31/2026. I WILL BE UNDER MY SUPERVISION.		
DATE: 11/20/2023 BY: P. CHAFFIN		

PLN23 - 108 William Street - San Jose/Cupertino Per/Project/2023 - Utility Plans - 01/31/2023 - 01/31/2023

CAUTION!
EXISTING GAS LINE



NOTES:

- CONCRETE CURB SHALL NOT ENCRUST INTO PUBLIC RIGHT-OF-WAY AND SHALL BE FLUSH AT BACK OF WALK.
- COMMERCIAL DRIVEWAY SHALL BE INSTALLED IN ZONES DESIGNATED COMMERCIAL, INDUSTRIAL, AND RESIDENTIAL WITH A LIMIT OF 30 FEET.
- 3\"/>

4. DRIVEWAY MARK TABLE

DRIVEWAY WIDTH	REQUIRED PLANK JOINT	SCORE MARKS
10\"/>		

DRAWN BY: K TRAN
 CHECKED BY: F AMIN
 APPROVED BY: G GOMEZ
 DATE: DECEMBER 2014

COMMERCIAL DRIVEWAY WITH/
 WITHOUT SEPARATED SIDEWALK
 CITY OF SANTA CLARA

ST-8
 PAGE 8

JM Weiss, Inc.
 700 DEVELOPER STREET
 SANTA CLARA, CA
 95078 - 700 Matthew Street
 Santa Clara, CA
 May 2023

Total Required Fire Flow Estimate

Contribution Type	Light Industrial		Residential		Total	Fire Hydrant Calculation		Fire Sprinkler Calculation		Total Required Fire Flow with Reductions Proposed
	sqft	sqft	sqft	sqft		sqgpm	sqgpm	sqgpm	sqgpm	
Type V-A	25,331				25,331	2,750	1,544	2,063	1,375	772
Type V-B	19,798				19,798	2,500	1,097	1,875	1,250	548
Other	45,139				45,139	3,750	2,645	1,750	1,250	1,303
Round-Up						2,750				1,600

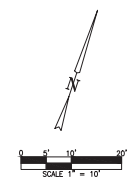
3019 CFC Table C105.1

Min. number of hydrants	300
Max. distance from any point on street to a hydrant, ft	180

Fire Flow and Hydrant Policy, Extra Hazard Occupancy or Full Flow
 Required flow multiplied by 1.5 for full flow, per Fireflow Department "Fireflow Requirements with Inlet Controller" dated 11/01/17
 Fire Flow and Hydrant Policy, allowed for Ordinary Hazard Occupancy
 Fire Flow and Hydrant Policy, allowed for Light Hazard Occupancy

WATER UTILITY SUMMARY

- EX. 6\"/>



2045 LAFAYETTE STREET
 APN: 224-03-085

SEE SHEET C2.0

IMPROVEMENT PLANS FOR 700 MATTHEW STREET PLN23-XXX

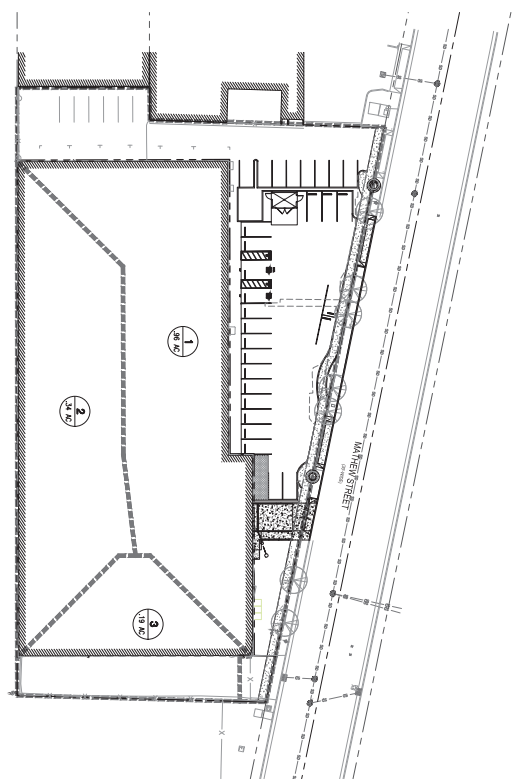
SANTA CLARA, CALIFORNIA
 PROJECT NO. 2023-0001 (EXHIBIT 07B) (SHEET 02)

DATE: JAN 2024

SHEET C2.1
 3 OF 4 SHEETS

GRADING, DRAINAGE, & UTILITY PLAN

JM Weiss
 Real Estate Development Consultants
 1731 Technology Drive, Suite 800, San Jose, CA 95110
 408.264.6555 www.jmweiss.com



LEGEND
 (X) PROPOSED STORMWATER TREATMENT
 (XX) EXISTING STORMWATER TREATMENT
 (---) TRENCH OR DRAINAGE

**Santa Clara Valley
 Regional Water Recycling Program**

Client: San José, CA 95128
 Project: 2018-2019
 Date: 06/23/2018

Provision C.3 Data Form

What is the project name, address, and location?
 All projects have a name, address, and location. If you are not sure of the address, please provide the address of the nearest intersection and street name.
 Project Name: _____
 Address: _____
 City: _____, State: _____, Zip: _____

Project Developer Name: _____
Project Type: Residential Commercial Industrial Other Institutional Educational Government Other Other

Project Description: _____
Project Date: _____

1. Project Size	2. Total Area (SFT)	3. Total Area (AC)	4. Total Area (SQ FT)
Impervious Area (SFT)	36,000	3.6	36,000
Other Impervious Area (SFT)	18,000	1.8	18,000
Total Impervious Area (SFT)	54,000	5.4	54,000

3. Stormwater Management System:
 a. Is it a new system? Yes No
 b. Is it a retrofitted system? Yes No
 c. What type of system is it?
 - Stormwater Detention Basin
 - Stormwater Infiltration Basin
 - Stormwater Treatment Basin
 - Stormwater Storage Basin
 - Stormwater Conveyance Structure
 - Stormwater Control Structure
 - Stormwater Collection Structure
 - Stormwater Treatment Structure
 - Stormwater Storage Structure
 - Stormwater Conveyance Structure
 - Stormwater Control Structure
 - Stormwater Collection Structure
 - Stormwater Treatment Structure
 - Stormwater Storage Structure

4. Stormwater Management System:
 a. Is it a new system? Yes No
 b. Is it a retrofitted system? Yes No
 c. What type of system is it?
 - Stormwater Detention Basin
 - Stormwater Infiltration Basin
 - Stormwater Treatment Basin
 - Stormwater Storage Basin
 - Stormwater Conveyance Structure
 - Stormwater Control Structure
 - Stormwater Collection Structure
 - Stormwater Treatment Structure
 - Stormwater Storage Structure

5. Stormwater Management System:
 a. Is it a new system? Yes No
 b. Is it a retrofitted system? Yes No
 c. What type of system is it?
 - Stormwater Detention Basin
 - Stormwater Infiltration Basin
 - Stormwater Treatment Basin
 - Stormwater Storage Basin
 - Stormwater Conveyance Structure
 - Stormwater Control Structure
 - Stormwater Collection Structure
 - Stormwater Treatment Structure
 - Stormwater Storage Structure

6. Selection of Specific Stormwater Control Measures

Stormwater Control Measures:
 Stormwater Detention Basin
 Stormwater Infiltration Basin
 Stormwater Treatment Basin
 Stormwater Storage Basin
 Stormwater Conveyance Structure
 Stormwater Control Structure
 Stormwater Collection Structure
 Stormwater Treatment Structure
 Stormwater Storage Structure

Stormwater Management System:
 Stormwater Detention Basin
 Stormwater Infiltration Basin
 Stormwater Treatment Basin
 Stormwater Storage Basin
 Stormwater Conveyance Structure
 Stormwater Control Structure
 Stormwater Collection Structure
 Stormwater Treatment Structure
 Stormwater Storage Structure


Stormwater Management System:
 Stormwater Detention Basin
 Stormwater Infiltration Basin
 Stormwater Treatment Basin
 Stormwater Storage Basin
 Stormwater Conveyance Structure
 Stormwater Control Structure
 Stormwater Collection Structure
 Stormwater Treatment Structure
 Stormwater Storage Structure

7. Stormwater Treatment Measure (STW) Selecting for Projects with Treatment Requirements

Stormwater Treatment Measure (STW) Selecting for Projects with Treatment Requirements:
 Stormwater Detention Basin
 Stormwater Infiltration Basin
 Stormwater Treatment Basin
 Stormwater Storage Basin
 Stormwater Conveyance Structure
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 Stormwater Treatment Structure
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Stormwater Management System:
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Stormwater Management System:
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 Stormwater Control Structure
 Stormwater Collection Structure
 Stormwater Treatment Structure
 Stormwater Storage Structure

IMPROVEMENT PLANS FOR 700 MATHEW STREET PLN23-XXX SANTA CLARA, CALIFORNIA PROJECT NO. 2018-2019 DESIGNED BY CHECKED BY DATE JUN 2018	 1731 Technology Drive, Suite 880 San Jose, CA 95110 1 408.286.4555 www.jmhweiss.com	STORMWATER CONTROL PLAN THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION FOR THIS PROJECT WILL BE UNDER MY SUPERVISION. DANIEL J. EDWARDS PE C-49109
SHEET C30 4 OF 4 SHEETS	DESIGNER: _____ CHECKED: _____ DATE: _____	DELTA BY DATE
PROJECT NO. 2018-2019 DESIGNED BY: _____ CHECKED BY: _____ DATE: JUN 2018	DESIGNER: _____ CHECKED: _____ DATE: _____	DELTA BY DATE

FOR REFERENCE ONLY

FOR REFERENCE ONLY

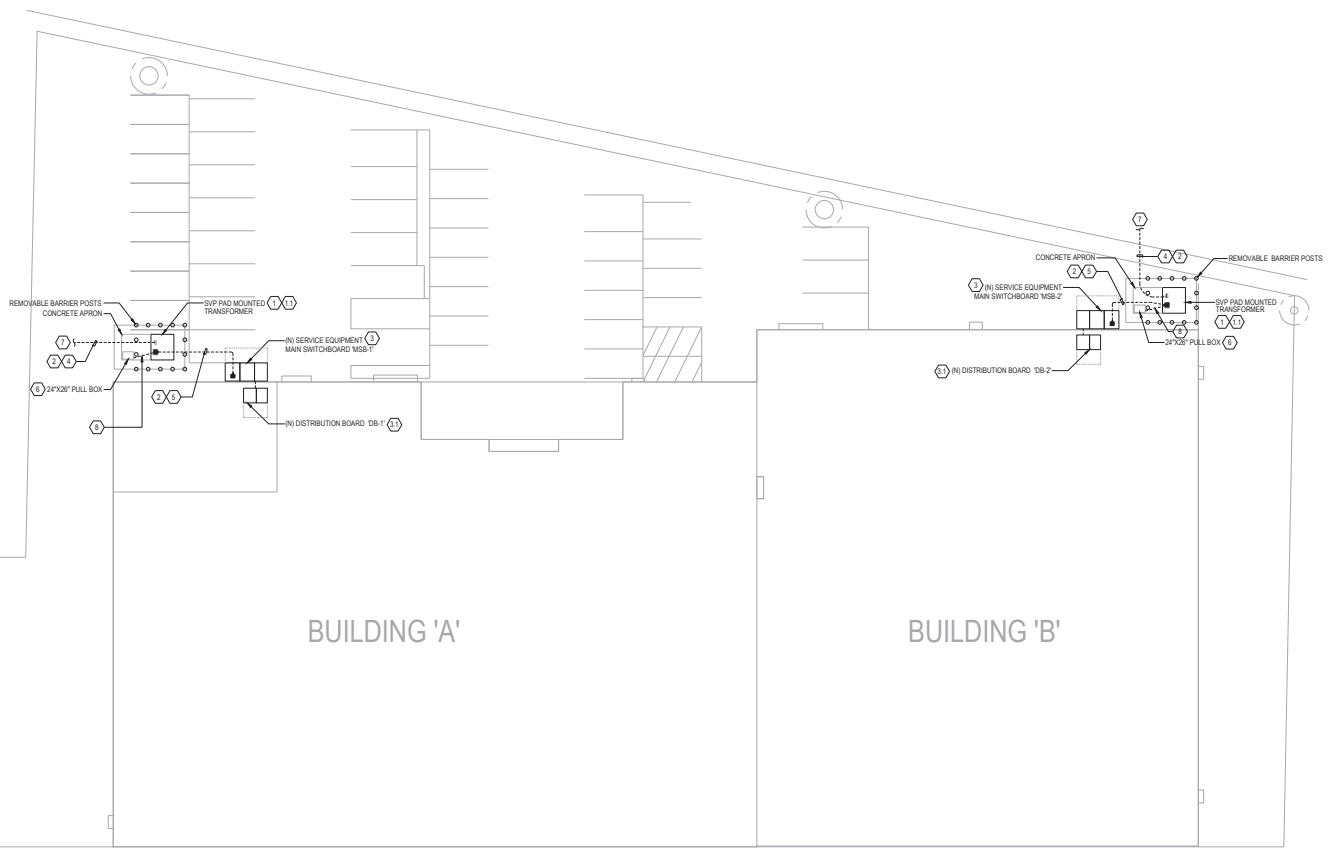
GENERAL NOTES:

- A. SEE GENERAL NOTES ON SHEET E0/00.
- B. INSTALLATION MUST COMPLY WITH SVP REQUIREMENTS.
- C. ALL TRENCHING, CUTTING AND PATCHING OF EXISTING CONCRETE SLAB FLOOR, AS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL SYSTEMS SHOWN, SHALL BE BY ELECTRICAL CONTRACTOR. PAINT ALL PATCHING TO MATCH ADJACENT EXISTING SURFACE.
- D. ALL CONDUITS AND WIRING SHALL BE UL LISTED AND MARKED FOR INTENDED USE PER NEC 2015.
- E. SEE SHEET ES-0 FOR ELECTRICAL ONE LINE DIAGRAM.

KEY NOTES: ○

- 1. SVP UTILITY TRANSFORMER. ELECTRICAL CONTRACTOR TO COORDINATE LOCATION WITH SVP.
- 1.1 PROVIDE 8 FT CLEAR WORKING SPACE FROM THE FRONT OF THE EQUIPMENT AND 3 FT FROM ALL OTHER SIDES.
- 2. UNDERGROUND FEEDER ROUTES SHOWN ARE DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND MAP OUT ROUTING TO SUIT ACTUAL FIELD CONDITION. DAMAGED TO EXISTING UNDERGROUND UTILITIES SHALL BE REPAIRED BY THE ELECTRICAL GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. COORDINATE WITH OTHER TRADE PRIOR TO START OF WORK.
- 3. MAIN SWITCHBOARD: 400A, 480/277V, 3PH, 4W, 65KAC, NEMA 3B. PROVIDE 4 FT WORKING SPACE IN FRONT OF MAIN SWITCHBOARD PER UTILITY COMPANY.
- 3.1 DISTRIBUTION BOARD: 400A, 480/277V, 3PH, 4W, 65KAC, NEMA 1. PROVIDE 4 FT WORKING SPACE IN FRONT OF DISTRIBUTION BOARD.
- 4. UTILITY PRIMARY SERVICE PER SVP DESIGN. ELECTRICAL CONTRACTOR TO PROVIDE TRENCHING PER SVP REQUIREMENTS.
- 5. SEE ONE LINE DIAGRAM FOR SERVICE ENTRANCE CONDUCTOR. PROVIDE TRENCHING PER SVP REQUIREMENTS.
- 6. PROVIDE 24"x36" PULL BOX PER UTILITY REQUIREMENT. EC TO VERIFY LOCATION WITH SVP.
- 7. SEE SVP DRAWINGS FOR POINT OF CONNECTION.
- 8. PROVIDE 2" TO USE BOX PER SVP REQUIREMENTS.

NO.	DESCRIPTION	DATE
	PERMIT SET	06/27/2022



PROJECT:
**700 MATHEW ST.
 SERVICE APPLICATION
 PHASE -1**
 700 MATHEW ST.
 STA. CLARA, CA 95050

SHEET TITLE:
**ELECTRICAL
 SITE PLAN**

GENERAL NOTES:

- ALL ELECTRICAL EQUIPMENTS AND FEEDERS ARE NEW UNLESS OTHERWISE NOTED AS 'EY' FOR EXISTING. RETORQUE ALL EXISTING TERMINATIONS PER MANUFACTURER RECOMMENDATION.
- SWITCHBOARD SHOWN ON THE SINGLE LINE DIAGRAM SHALL BE 'FULLY RATED' ADEQUATE FOR THE MAXIMUM FAULT CURRENT AVAILABLE AT THE POINT OF APPLICATION, INCORPORATING THE CURRENT LIMITING DEVICES AS SPECIFIED. SERIES RATING FOR PANELBOARDS IS ACCEPTABLE. PROVIDE REQUIRED MARKING AS REQUIRED PER NEC ARTICLE 110.22(B) & (C) FOR SIGNAGE AT ALL PANELS AND EQUIPMENT. IF NOT 'FULLY RATED SYSTEM' CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INDICATING SERIES RATING AND INCLUDE A COPY OF ALL LABELING, INCLUDING RESPECTIVE UL LISTING, TO THE AHJ FOR REFERENCE.
- PROVIDE PHENOLIC NAMEPLATE LABELLING & TYPE WRITTEN PANEL DIRECTORY FOR ALL PANELS.
- INTERIOR METAL PIPING SYSTEM SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.
- GROUND AND NEUTRAL SHALL ONLY BE BONDED AT THE SERVICE EQUIPMENT AND AT THE SEPARATELY DERIVED SYSTEM.
- EQUIPMENT LUGS ARE BASED ON SQUARE OF PRODUCT. ALTERNATE MANUFACTURER IS ACCEPTABLE PROVIDED THAT IT MEETS THE DESIGN INTENT AND CLEARANCE REQUIREMENTS.
- ONLY UL LISTED EQUIPMENT SHALL BE USED.
- PROVIDE ALL NECESSARY SIGNAGE, LABELING AND PLAQUES AS REQUIRED BY CEC 23-70(B), 695 & 705.
- ELECTRICAL CONTRACTOR TO PROVIDE MAIN LUGS ADAPTOR LUGS AS NEEDED FOR CONNECTIONS AT PANEL, BOARDS AND EQUIPMENT.
- ALL METERING EQUIPMENTS SHALL BE SUBMITTED TO THE UTILITY PROVIDER FOR APPROVAL.
- INSTALL ENGRAVED BAMELITE NAMEPLATE ON SERVICE DISCONNECT SWITCH WITH SERVICE ADDRESS.
- LOAD CALCULATION FOR FUTURE TENANT IMPROVEMENT PROJECT TO BE PROVIDED UNDER PHASE 2 PACKAGE.

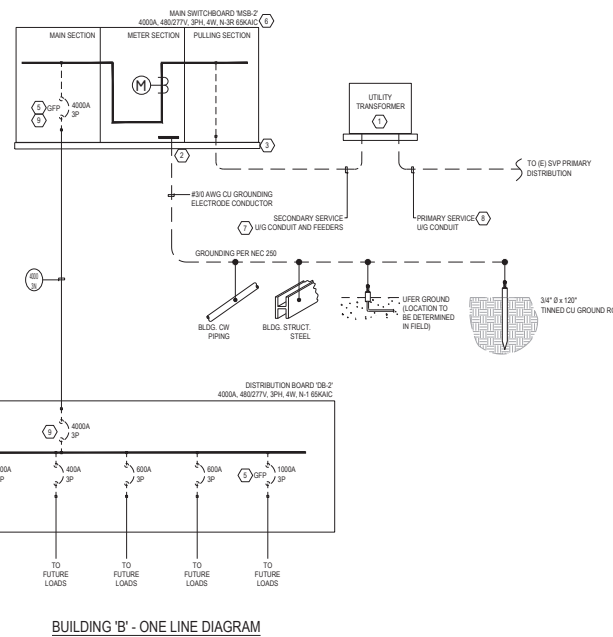
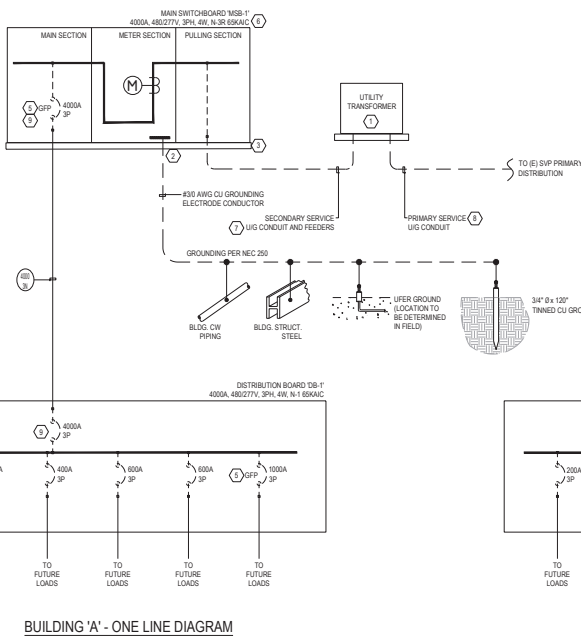
KEY NOTES: ☒

- NEW PAD MOUNTED UTILITY TRANSFORMER: CONTRACTOR TO COORDINATE WITH SUP REPRESENTATIVE FOR WORK REQUIRED. SEE ELECTRICAL PLANS FOR MORE INFORMATION.
- GROUNDING ELECTRODE SYSTEM: CONNECT TO GROUNDING ELECTRODE SYSTEM USING #4/6 UNDERGROUND METAL WATER PIPE (WITHIN 2' OF ENTRANCE TO BUILDING). ALL METAL PIPING SYSTEM, CONTIGUOUS STRUCTURAL METAL (IF PRESENT) SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM IN MAIN SWITCHBOARD USING #4/6. PROVIDE (3) 3/4" x 12" TINNED CU GROUND ROD - MINIMUM 12' APART. USE #4 CU WIRE FOR SOLE CONNECTION TO GROUND ROD. PROVIDE ADDITIONAL GROUNDING ELECTRODE WHERE RESISTANCE TO GROUND EXCEEDS 5 OHMS.
- PROVIDE PAD TO ENSURE LEVEL WORKING CLEARANCE IN FRONT OF EQUIPMENT. SEE PLANS FOR ADDITIONAL INFORMATION.
- NOT USED.
- PROVIDE CIRCUIT BREAKER WITH GROUND FAULT PROTECTION.
- PRIOR TO PURCHASE THE EQUIPMENT, COORDINATE EXACT AVAILABLE FAULT CURRENT WITH UTILITY PROVIDER. ADJUST TO THE NEXT STANDARD SIZE IF UTILITY FAULT CURRENT IS HIGHER THAN EQUIPMENT RATING AS SHOWN.
- PROVIDE 12 SETS OF 3 1/2" x 4800 MCM, 1# 3/8" OD FOR SECONDARY SERVICE ENTRANCE CONDUCTORS.
- PROVIDE 2 5/8" EMPLY CONDUIT FOR PRIMARY SERVICE CONDUCTORS.
- PROVIDE CIRCUIT BREAKER WITH LONG TIME, SHORT TIME AND INSTANTANEOUS TRIP SETTINGS.

FEEDER SCHEDULE

TAG	WIRE & CONDUIT SIZE	TAG	WIRE & CONDUIT SIZE	TAG	WIRE & CONDUIT SIZE	TAG	WIRE & CONDUIT SIZE
(1) 2	3#12H - 1#12G N 1/2"	(1) 3	3#12H - 1#12G N 1/2"	(1) 6	3#6H - 1#6N - 1#12G N 1/2"	(1) 7	3#6H - 1#6G N 1/2"
(1) 3	3#12H - 1#12G N 1/2"	(1) 4	3#6H - 1#6N N 1/2"	(1) 8	3#6H - 1#6N - 1#6G N 1/2"	(1) 9	3#6H - 1#6G N 1/2"
(1) 4	3#6H - 1#6N N 1/2"	(1) 5	3#6H - 1#6N N 1/2"	(1) 10	3#6H - 1#6N - 1#12G N 1/2"	(1) 11	3#6H - 1#6G N 1/2"
(1) 5	3#6H - 1#6N N 1/2"	(1) 6	3#6H - 1#6N N 1/2"	(1) 12	3#6H - 1#6N - 1#6G N 1/2"	(1) 13	3#6H - 1#6G N 1/2"
(1) 6	3#6H - 1#6N N 1/2"	(1) 7	3#6H - 1#6N N 1/2"	(1) 14	3#6H - 1#6N - 1#6G N 1/2"	(1) 15	3#6H - 1#6G N 1/2"
(1) 7	3#6H - 1#6N N 1/2"	(1) 8	3#6H - 1#6N N 1/2"	(1) 16	3#6H - 1#6N - 1#6G N 1/2"	(1) 17	3#6H - 1#6G N 1/2"
(1) 8	3#6H - 1#6N N 1/2"	(1) 9	3#6H - 1#6N N 1/2"	(1) 18	3#6H - 1#6N - 1#6G N 1/2"	(1) 19	3#6H - 1#6G N 1/2"
(1) 9	3#6H - 1#6N N 1/2"	(1) 10	3#6H - 1#6N N 1/2"	(1) 20	3#6H - 1#6N - 1#6G N 1/2"	(1) 21	3#6H - 1#6G N 1/2"
(1) 10	3#6H - 1#6N N 1/2"	(1) 11	3#6H - 1#6N N 1/2"	(1) 22	3#6H - 1#6N - 1#6G N 1/2"	(1) 23	3#6H - 1#6G N 1/2"
(1) 11	3#6H - 1#6N N 1/2"	(1) 12	3#6H - 1#6N N 1/2"	(1) 24	3#6H - 1#6N - 1#6G N 1/2"	(1) 25	3#6H - 1#6G N 1/2"
(1) 12	3#6H - 1#6N N 1/2"	(1) 13	3#6H - 1#6N N 1/2"	(1) 26	3#6H - 1#6N - 1#6G N 1/2"	(1) 27	3#6H - 1#6G N 1/2"
(1) 13	3#6H - 1#6N N 1/2"	(1) 14	3#6H - 1#6N N 1/2"	(1) 28	3#6H - 1#6N - 1#6G N 1/2"	(1) 29	3#6H - 1#6G N 1/2"
(1) 14	3#6H - 1#6N N 1/2"	(1) 15	3#6H - 1#6N N 1/2"	(1) 30	3#6H - 1#6N - 1#6G N 1/2"	(1) 31	3#6H - 1#6G N 1/2"
(1) 15	3#6H - 1#6N N 1/2"	(1) 16	3#6H - 1#6N N 1/2"	(1) 32	3#6H - 1#6N - 1#6G N 1/2"	(1) 33	3#6H - 1#6G N 1/2"
(1) 16	3#6H - 1#6N N 1/2"	(1) 17	3#6H - 1#6N N 1/2"	(1) 34	3#6H - 1#6N - 1#6G N 1/2"	(1) 35	3#6H - 1#6G N 1/2"
(1) 17	3#6H - 1#6N N 1/2"	(1) 18	3#6H - 1#6N N 1/2"	(1) 36	3#6H - 1#6N - 1#6G N 1/2"	(1) 37	3#6H - 1#6G N 1/2"
(1) 18	3#6H - 1#6N N 1/2"	(1) 19	3#6H - 1#6N N 1/2"	(1) 38	3#6H - 1#6N - 1#6G N 1/2"	(1) 39	3#6H - 1#6G N 1/2"
(1) 19	3#6H - 1#6N N 1/2"	(1) 20	3#6H - 1#6N N 1/2"	(1) 40	3#6H - 1#6N - 1#6G N 1/2"	(1) 41	3#6H - 1#6G N 1/2"
(1) 20	3#6H - 1#6N N 1/2"	(1) 21	3#6H - 1#6N N 1/2"	(1) 42	3#6H - 1#6N - 1#6G N 1/2"	(1) 43	3#6H - 1#6G N 1/2"
(1) 21	3#6H - 1#6N N 1/2"	(1) 22	3#6H - 1#6N N 1/2"	(1) 44	3#6H - 1#6N - 1#6G N 1/2"	(1) 45	3#6H - 1#6G N 1/2"
(1) 22	3#6H - 1#6N N 1/2"	(1) 23	3#6H - 1#6N N 1/2"	(1) 46	3#6H - 1#6N - 1#6G N 1/2"	(1) 47	3#6H - 1#6G N 1/2"
(1) 23	3#6H - 1#6N N 1/2"	(1) 24	3#6H - 1#6N N 1/2"	(1) 48	3#6H - 1#6N - 1#6G N 1/2"	(1) 49	3#6H - 1#6G N 1/2"
(1) 24	3#6H - 1#6N N 1/2"	(1) 25	3#6H - 1#6N N 1/2"	(1) 50	3#6H - 1#6N - 1#6G N 1/2"	(1) 51	3#6H - 1#6G N 1/2"

- NOTES:
- ALL WIRE SHALL BE COPPER AND INSULATION SHALL BE THHN, THWN 2, XHHW 2.
 - H - HOT/UNGROUNDED CONDUCTOR; N - NEUTRAL/GROUNDED CONDUCTOR; G - GROUNDING CONDUCTOR; IG - ISOLATED GROUNDING CONDUCTOR.
 - UNLESS LISTED OTHERWISE, THE AMPACITY OF 600V OR LESS CONDUCTORS SHALL BE BASED ON THE TERMINALS NOT TO EXCEED 90 DEG C (140 DEG F) FOR CONDUCTOR SIZE #14 THROUGH #1 AWG OR 75 DEG C (167 DEG F) FOR CONDUCTOR SIZES OVER #1 AWG.
 - WHERE THE PHASE CONDUCTORS ARE INCREASED IN SIZE, E.G. FOR VOLTAGE DROP COMPENSATION, EQUIPMENT GROUNDING CONDUCTOR SHALL BE INCREASED IN SIZE PROPORTIONATELY ACCORDING TO CIRCULAR MIL AREA OF THE PHASE CONDUCTOR.



FOR REFERENCE ONLY

NO.	DESCRIPTION	DATE
1	PERMIT SET	06/27/2022

SERRANO ELECTRIC INC.

SERRANO ELECTRIC INC.
ELECTRICAL DESIGN BUILD
STATE OF CALIFORNIA
LICENSE # C10 587852
EXPIRATION # 12/31/2023

PROJECT:
700 MATHEW ST.
SERVICE APPLICATION
PHASE -1
700 MATHEW ST.
STA. CLARA, CA 95050

SHEET TITLE:

ELECTRICAL ONE LINE DIAGRAM

PROJECT #: _____ SHEET NO.: _____
DATE: 06/22/2022 AS NOTED E5.0
SCALE: _____

FOR REFERENCE ONLY

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Building 'A' Load Calc	AREA(SQ FT)	VA PER SQ FT	Quantity	VA per Qty	VA
Lighting per CEC 220.12	22252	5.00			111260
General Receptacle loads	22252	3.00			66756
Plumbing equipment	22252	5.00			111260
Outdoor lighting per T24	12905	1.00			12905
HVAC	22252	12.00			267024
					0
Dedicated Equipment load (CNC laser Machine Metal Spinning, Lathe Machines, Inspection Machine, etc)			1	350000	350000
Ac welder			20	2000	40000
TGRP 1phase motor			10	11440	114400
15HP 3phase motor			15	17459	261885
15HP Compressor, 3phase motor			10	17459	174590
Grinding Machine			1	150000	150000
Data servers, UPS			1	100000	100000
Appliances (Coffee, Refrig, etc)			20	1200	24000
EV charger			12	7500	90000
					0
					0
Total load					1880080

Load Type & CEC Demand Load Formula						
Load Description	Quantity	VA per Qty	Load VA	CEC Demand VA		
Lighting per CEC 220.12 @ 125% per CEC 220.3	22252 SF		111260	111260	X125%	139075
Signage @ 125% per CEC 220.14(F)	4 circuit	1200	4800	4800	X125%	6000
Outdoor lighting @ 125% per CEC 220.3	12905		12905	12905	X125%	16131
Gen Receptacle loads (previos) per CEC 220.44	6200 SF	3	18600	10000	X100% +	56756
					X60%	33378
HVAC			267024	149644	X125% +	967899
			700075		X100%	1117543
Motor loads			350000	350000	X100%	350000
Dedicated equipment load	1 lot		350000		X100%	111260
Plumbing Equipment	22252		111260		X100%	111260
Electric Vehicle Charger @ 125%		12	7500	10000	X125%	112500
Ac welder	20		2000	40000	X100%	40000
Data Servers, UPS, etc	1 lot		100000	100000	X125%	125000
Appliances (Coffee, Refrig, etc)	20		1200	30000	X100%	30000
Subtotal Demand Load						2085987
Spare for future (25%)						521472
Total Demand Load						2607459
Total Demand Amperage @ 480277V, 3PH, 4W						3136
Service Size Requested in Amps @ 480277V, 3PH, 4W						4000

Building 'B' Load Calc	AREA(SQ FT)	VA PER SQ FT	Quantity	VA per Qty	VA
Lighting per CEC 220.12	16961	5.00			84805
General Receptacle loads	16961	3.00			50883
Plumbing equipment	16961	5.00			84805
Outdoor lighting per T24	16961	1.00			16961
HVAC	16961	12.00			203532
					0
Dedicated Equipment load (CNC laser Machine Metal Spinning, Lathe Machines, Inspection Machine, etc)			1	350000	350000
Ac welder			20	2000	40000
TGRP 1phase motor			10	11440	114400
15HP 3phase motor			15	17459	261885
15HP Compressor, 3phase motor			10	17459	174590
Grinding Machine			1	150000	150000
Data servers, UPS			1	100000	100000
Appliances (Coffee, Refrig, etc)			20	1200	24000
EV charger			16	7500	120000
					0
					0
Total load					1787851

Load Type & CEC Demand Load Formula						
Load Description	Quantity	VA per Qty	Load VA	CEC Demand VA		
Lighting per CEC 220.12 @ 125% per CEC 220.3	22252 SF		84805	84805	X125%	106006
Signage @ 125% per CEC 220.14(F)	4 circuit	1200	4800	4800	X125%	6000
Outdoor lighting @ 125% per CEC 220.3	16961		16961	16961	X125%	21201
Gen Receptacle loads (previos) per CEC 220.44	6200 SF	3	18600	10000	X100% +	30442
					X60%	
HVAC			203532	149644	X125% +	904407
			700075		X100%	1054051
Motor loads			350000	350000	X100%	350000
Dedicated equipment load	1 lot		350000		X100%	84805
Plumbing Equipment	22252		84805		X100%	84805
Electric Vehicle Charger @ 125%		12	7500	10000	X125%	150000
Ac welder	20		2000	40000	X100%	40000
Data Servers, UPS, etc	1 lot		100000	100000	X125%	125000
Appliances (Coffee, Refrig, etc)	20		1200	30000	X100%	30000
Subtotal Demand Load						2003505
Spare for future (25%)						500876
Total Demand Load						2504381
Total Demand Amperage @ 480277V, 3PH, 4W						3012
Service Size Requested in Amps @ 480277V, 3PH, 4W						4000

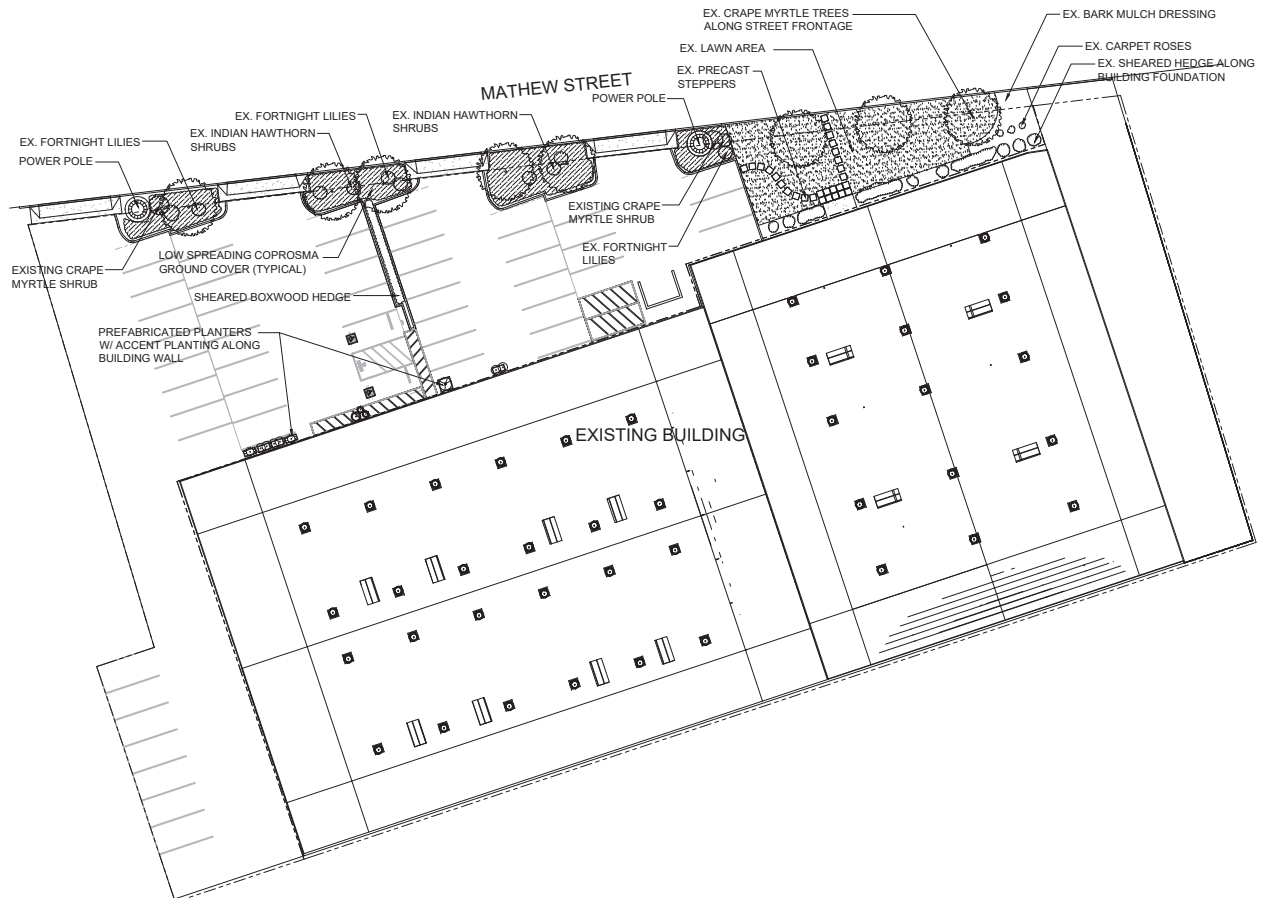
NO.	DESCRIPTION	DATE
	PERMIT SET	06/27/2022



PROJECT:
700 MATHEW ST.
SERVICE APPLICATION
PHASE -1
700 MATHEW ST.
STA. CLARA, CA 95050

SHEET TITLE:
ELECTRICAL LOAD
CALCULATION

PROJECT #: SHEET NO.:
DATE: 06/22/2022
SCALE: AS NOTED E6.0



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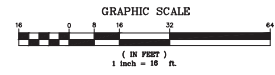
QMS - Santa Clara
 700 MATTHEW ST, SANTA CLARA, CA 95050





Job Number	22032
Date	2023.01.09
Drawn	
Author	
Sheet Title	LANDSCAPE PLAN
Scale	

Revisions

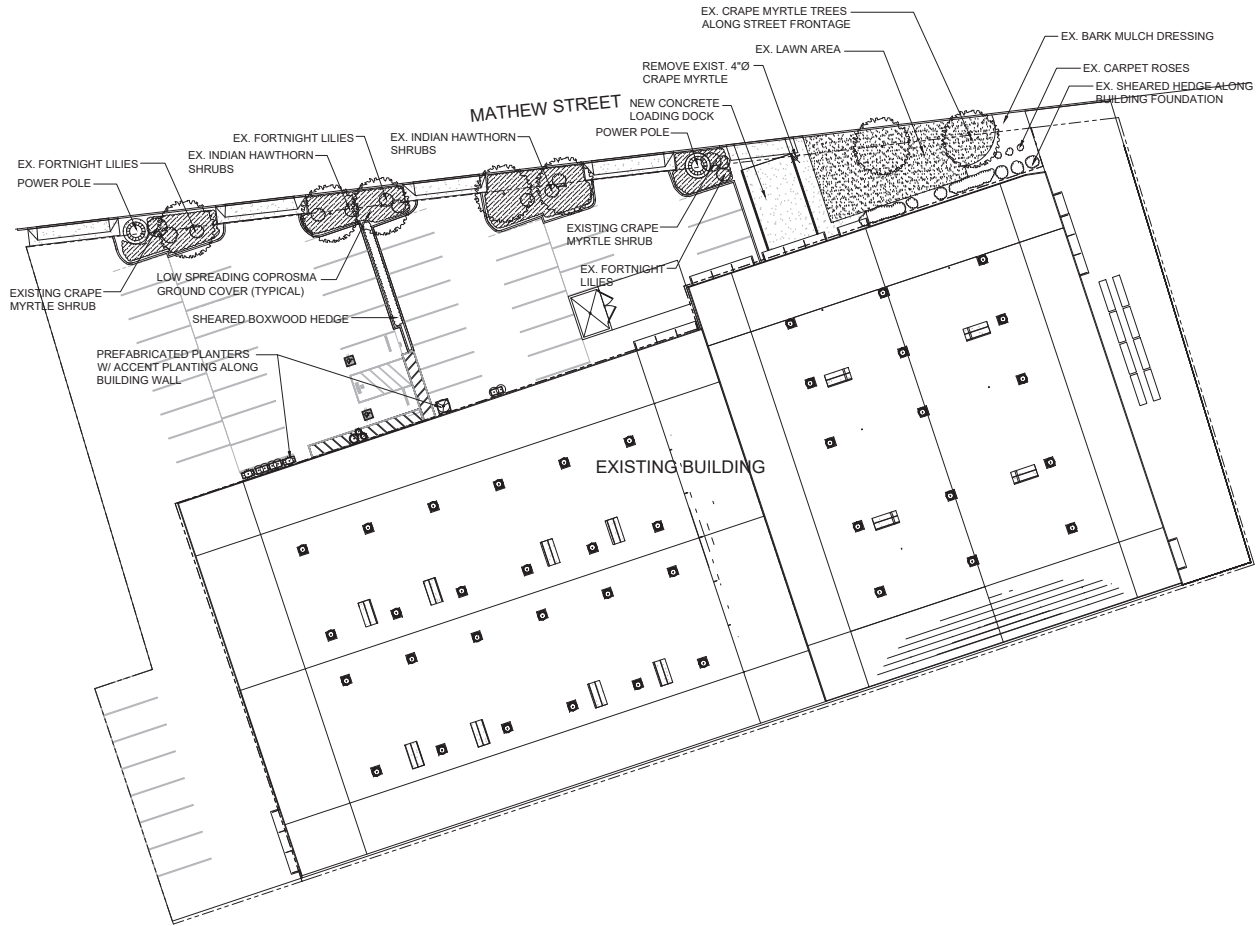
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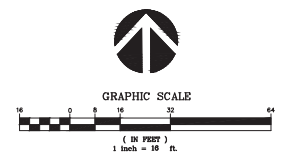


QMS - Santa Clara
700 MATTHEW ST, SANTA
CLARA, CA 95050



Job Number	22032
Date	2023.01.09
Drawn	
Author	
Sheet Title	PROPOSED LANDSCAPE PLAN

Revisions	
▲ 2023.01.09	CLP SUBMITTAL
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