



1200 MEMOREX

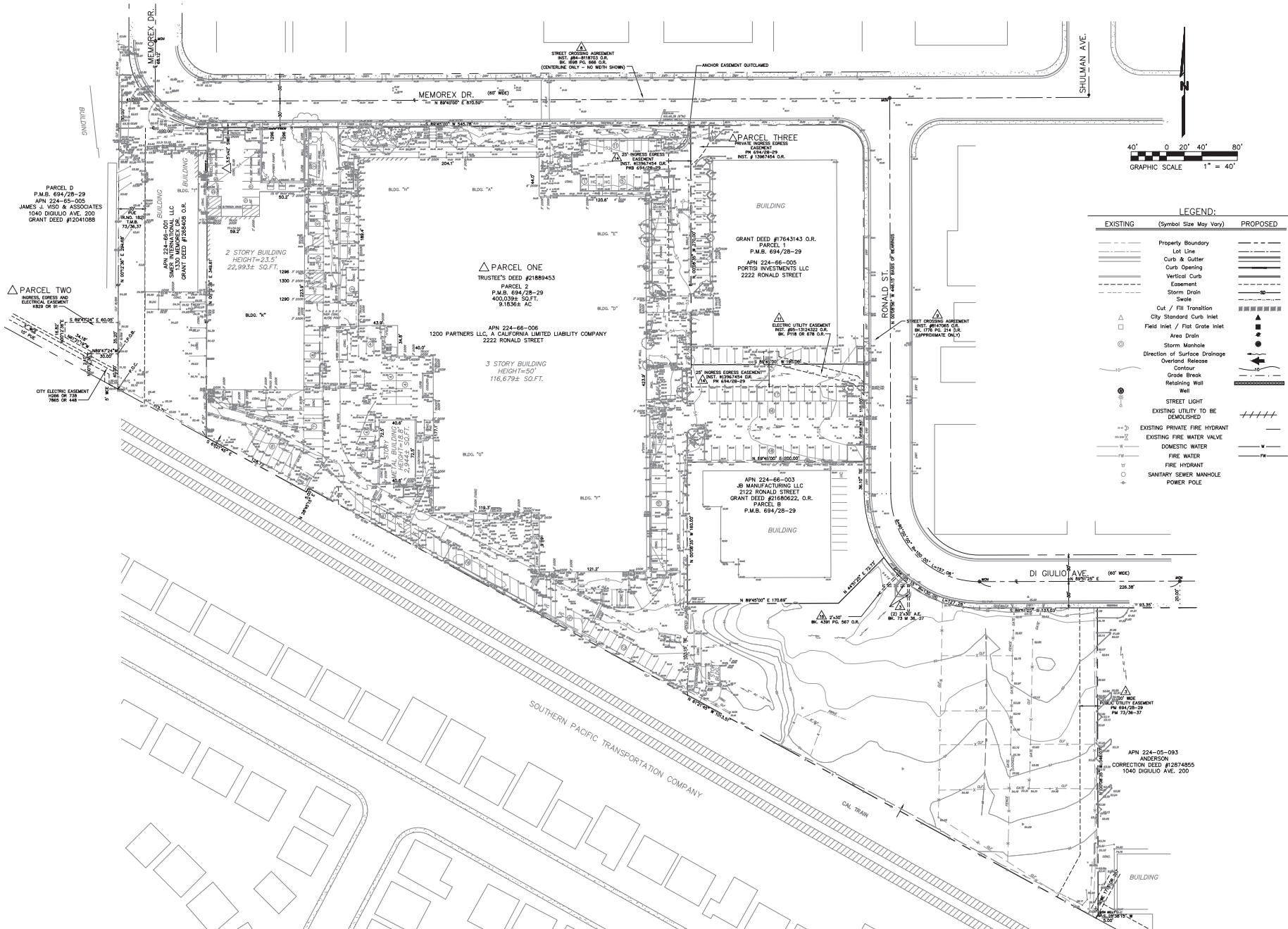
PCC PACKAGE

SCOPE OF WORK

THE PROJECT PROPOSES TO DEMOLISH THE EXISTING IMPROVEMENTS ON THE SITE TO CONSTRUCT A FOUR-STORY 472,920 SQUARE FOOT DATA CENTER BUILDING WITH AN ATTACHED SIX-STORY 87,520 SQUARE FOOT ANCILLARY USE OFFICE AND STORAGE COMPONENT, FOR A COMBINED SQUARE FOOTAGE OF 560,440.

03



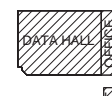


Project Number: 19110.0000

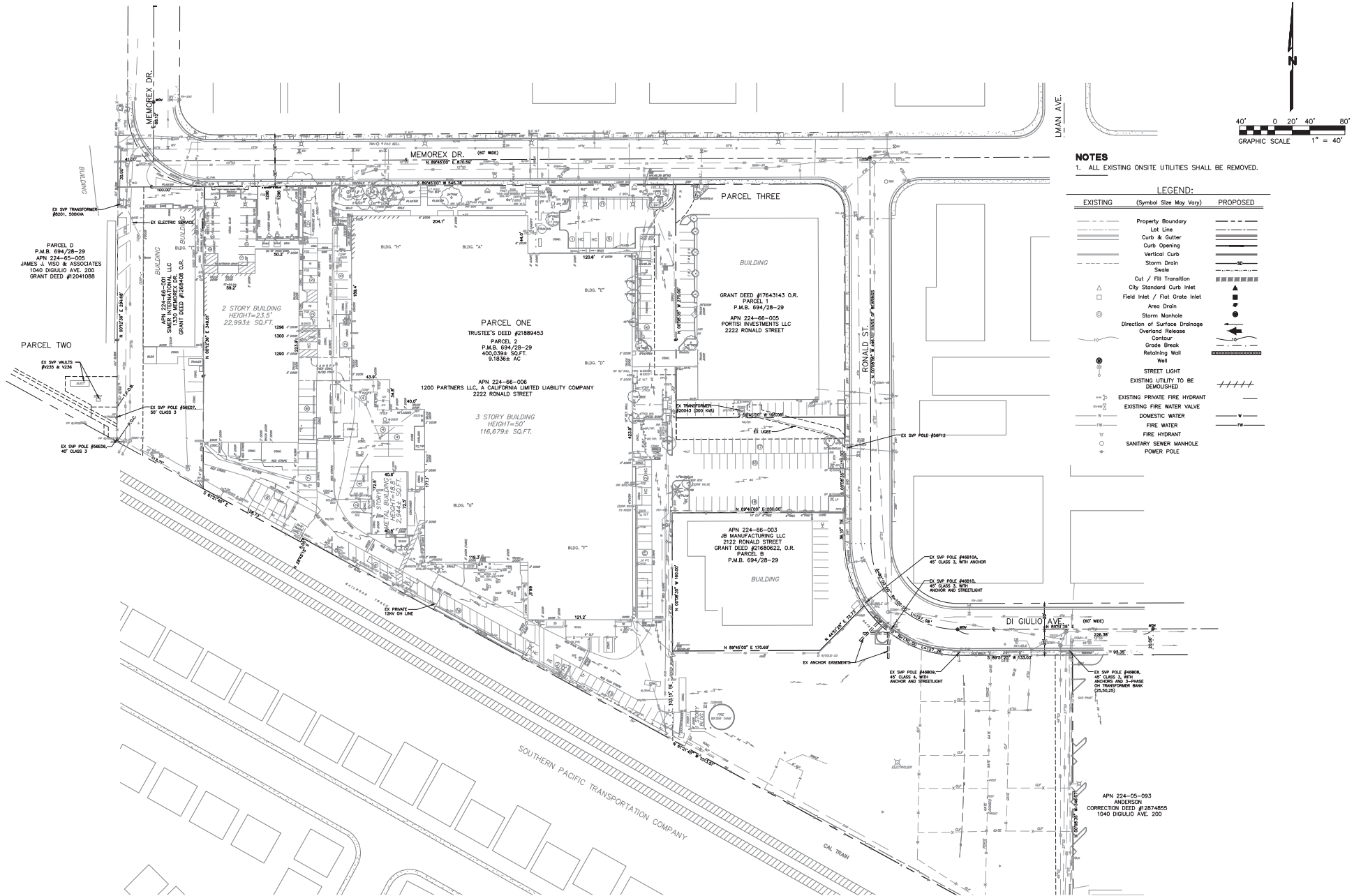


EXISTING SITE CONDITIONS

04.09.2020



C100

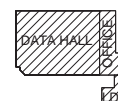


Project Number: 19110.0000



EXISTING UTILITY CONDITIONS

04.09.2020

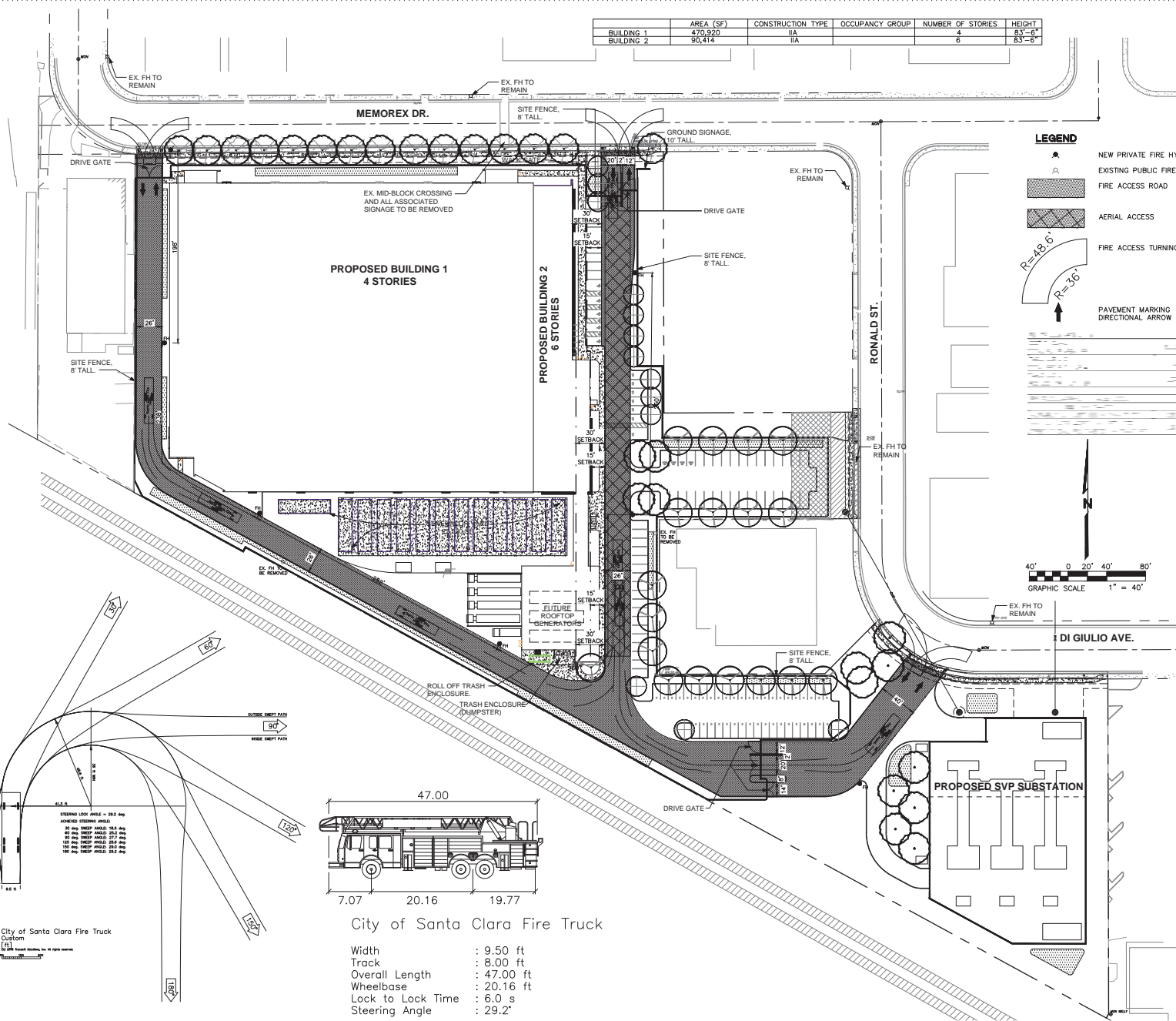


C110

	AREA (SF)	CONSTRUCTION TYPE	OCCUPANCY GROUP	NUMBER OF STORIES	HEIGHT
BUILDING 1	470,920	IIA		4	83'-6"
BUILDING 2	90,414	IIA		6	83'-6"

NOTES

- SECURITY GATES SHALL BE EQUIPPED WITH OPTICOM SWITCH OR APPROVED ALTERNATIVE FOR FIRE DEPARTMENT ACCESS.
- SCFD DEFICIENCY: ALL PORTIONS OF THE BUILDING (SOUTH WALL NEAR THE GENERATORS) ARE NOT WITH 150 FEET FROM AN APPROVED FIRE DEPARTMENT ACCESS ROAD. THE DIMENSION OF 150 FEET IN RELATION TO FIRE DEPARTMENT ACCESS IS COMMONLY REFERRED TO AS HOSE PULL DISTANCE. HOSE PULL IS MEASURED ALONG THE PATH THAT SIMULATES THE ROUTE A FIRE FIGHTER MAY TAKE TO ACCESS ALL PORTIONS OF THE EXTERIOR OF A STRUCTURE FROM THE NEAREST FIRE ROAD.
- AMM: PROJECT DESIGN TEAM WILL SUBMIT AN AMM TO SCFD, PROPOSING TO INCREASE BLDG FIRE SPRINKLER DENSITY TO SATISFY DEFICIENCY DURING PERMIT DOCS.



SANTA CLARA

Wednesday, April 10, 2019

Fire Flow Rate Requested by:
Name: Michael Shady
Company: Bath and Coing Inc.
Tel: 408-256-2400
Email: mshady@bathandcoing.com

You have requested fire flow data for the area around 1210 Memorex Drive. Monthly provided fire flow data was obtained from the 2009 Fire data from the City of Santa Clara. The data was obtained from the City of Santa Clara. The data was obtained from the City of Santa Clara. The data was obtained from the City of Santa Clara.

The reported accuracy of the test is within a range of +/- 10 percent. The Fire Flow (GPM) was computed, per National Fire Protection Association 291, by the Hazen Williams Equation and multiplied by a Hydraulic Coefficient value of 0.83.

Date of Fire Flow Test	Static Pressure (PSI)	Residual Pressure (PSI)	Opening (Inches)	Test Flow (GPM)
Thursday, September 13, 2018	80	55	4	2,134

If you have any questions, feel free to contact me.

Sincerely,
Randall Hays
City of Santa Clara
Water & Sewer Utilities
408-415-2016

City of Santa Clara
Water & Sewer Utilities
408-415-2016

Water Utility Map: 1210 Memorex Drive (Industrial)

Purpose: Circle (1) single family home, fire service upgrade, new fire service installation

Type of Improvement: Circle (1) Trench improvement, new construction, other

Applicant Name: _____

Date of Application: _____

Circle fire hydrants to be tested: _____

Note: Identify locations of ex. fire service to be upgraded or new fire service to be installed

All information above shall be provided prior to scheduling the test

SKYBOX

CORGAN

RG RUTHE AND GORAL INC.

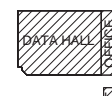
CRITICAL

KW mission critical engineering

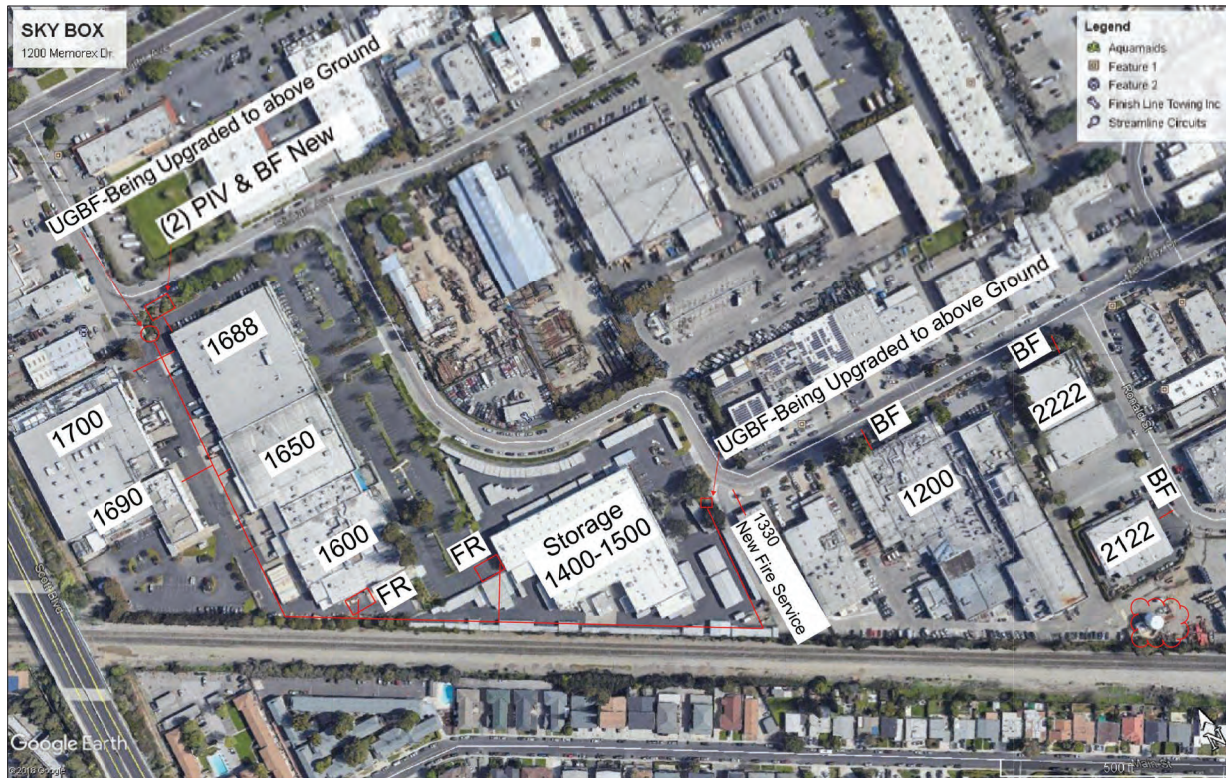
REED ASSOCIATES

FIRE ACCESS AND APPARATUS DIAGRAM

04.09.2020



C210



ABBREVIATIONS

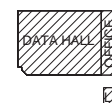
	ADDRESS NUMBER
1700	
BF	CSC BACKFLOW
FR	FIRE RAISER
PIV	POST INDICATOR VALVE
UGBF	UNDERGROUND BACKFLOW

ADJACENT FIRE PERMITS

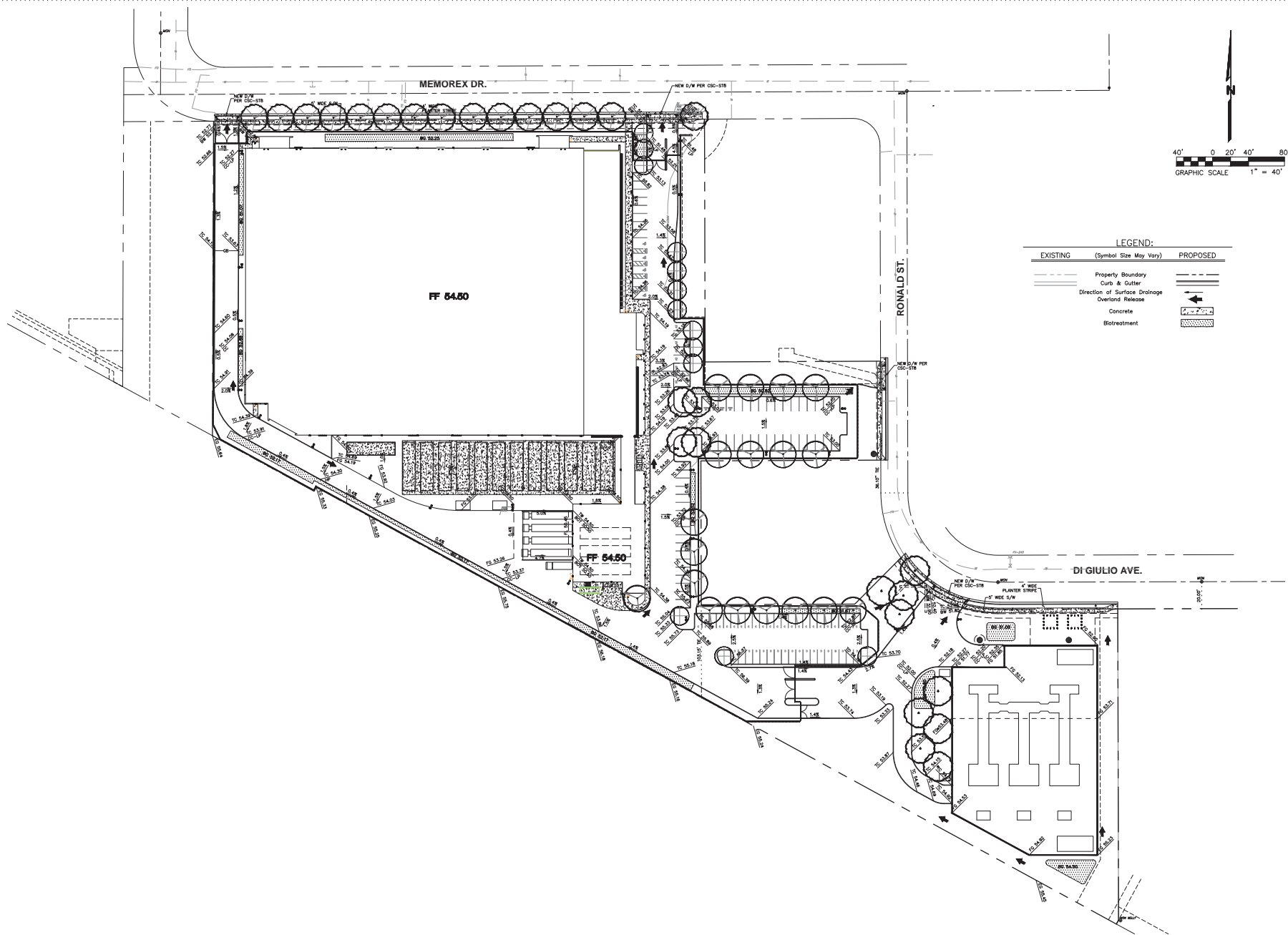
PERMIT #	ADDRESS
18-1101	1688 & 1700 RICHARD AVE
18-1094	1600, 1650 & 1690 RICHARD AVE

ADJACENT PARCEL EXISTING FIRE SERVICE PLAN

04.09.2020



C211

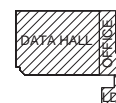


Project Number: 19110.0000

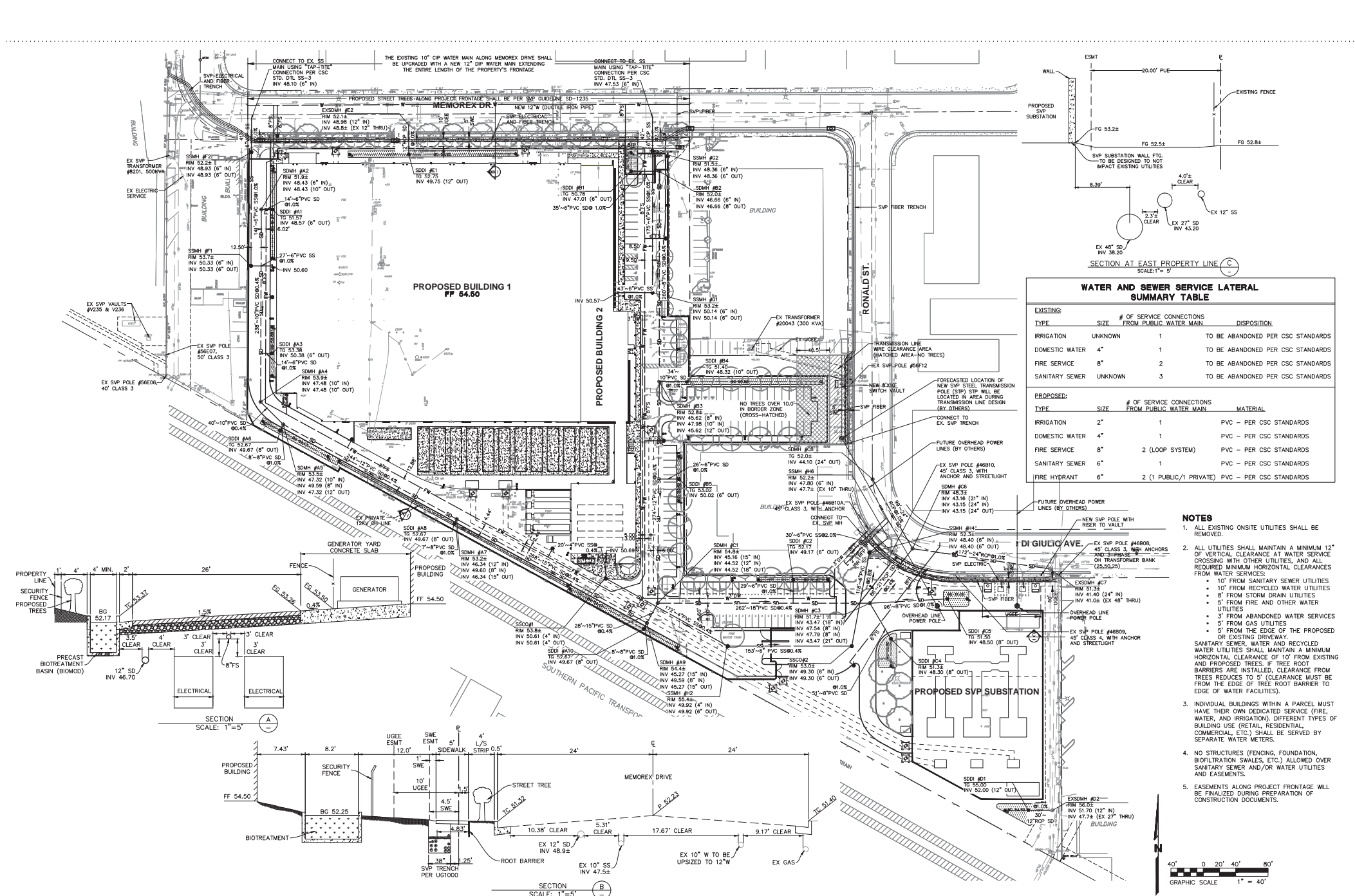


PRELIMINARY GRADING AND DRAINAGE PLAN

04.09.2020



C300

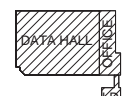


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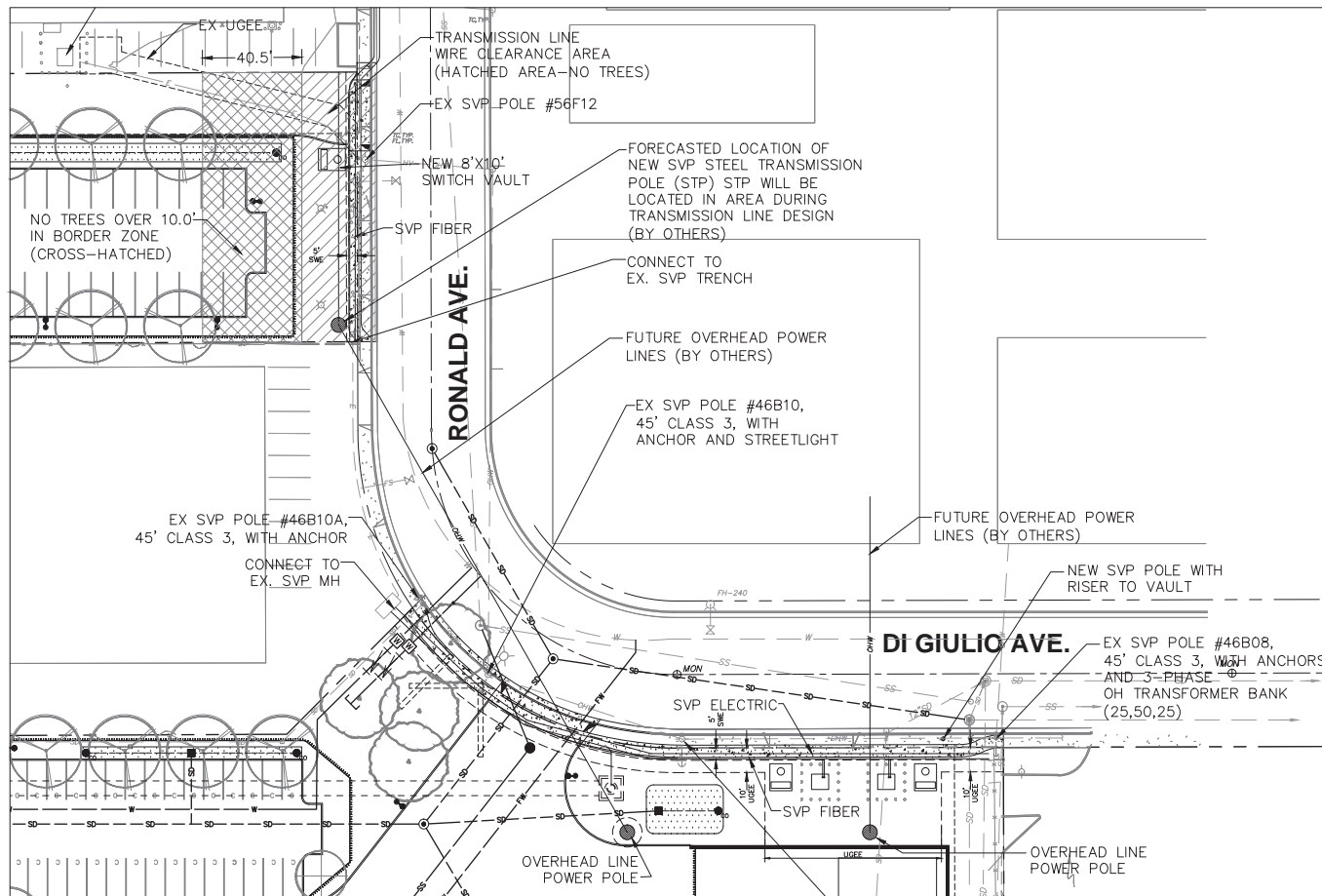
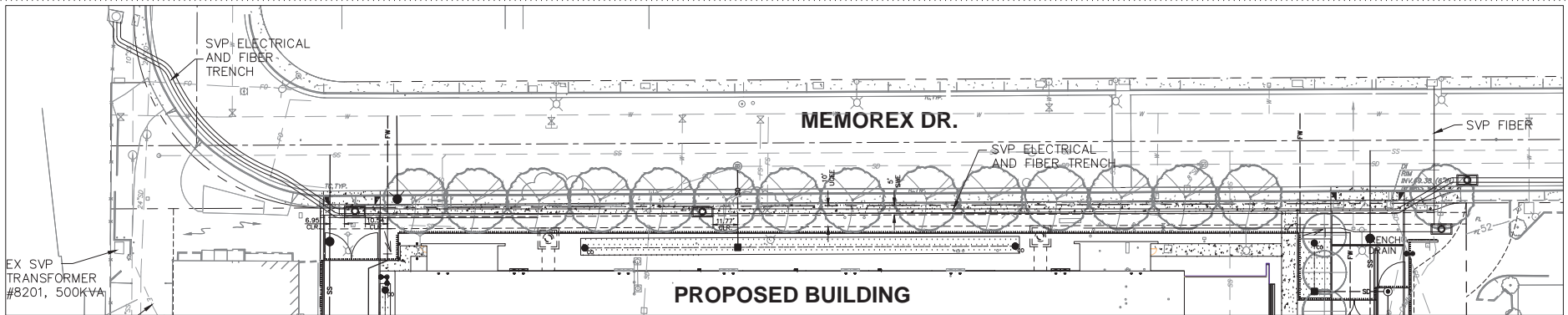


PRELIMINARY SITE UTILITY PLAN

04.09.2020



C400

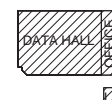


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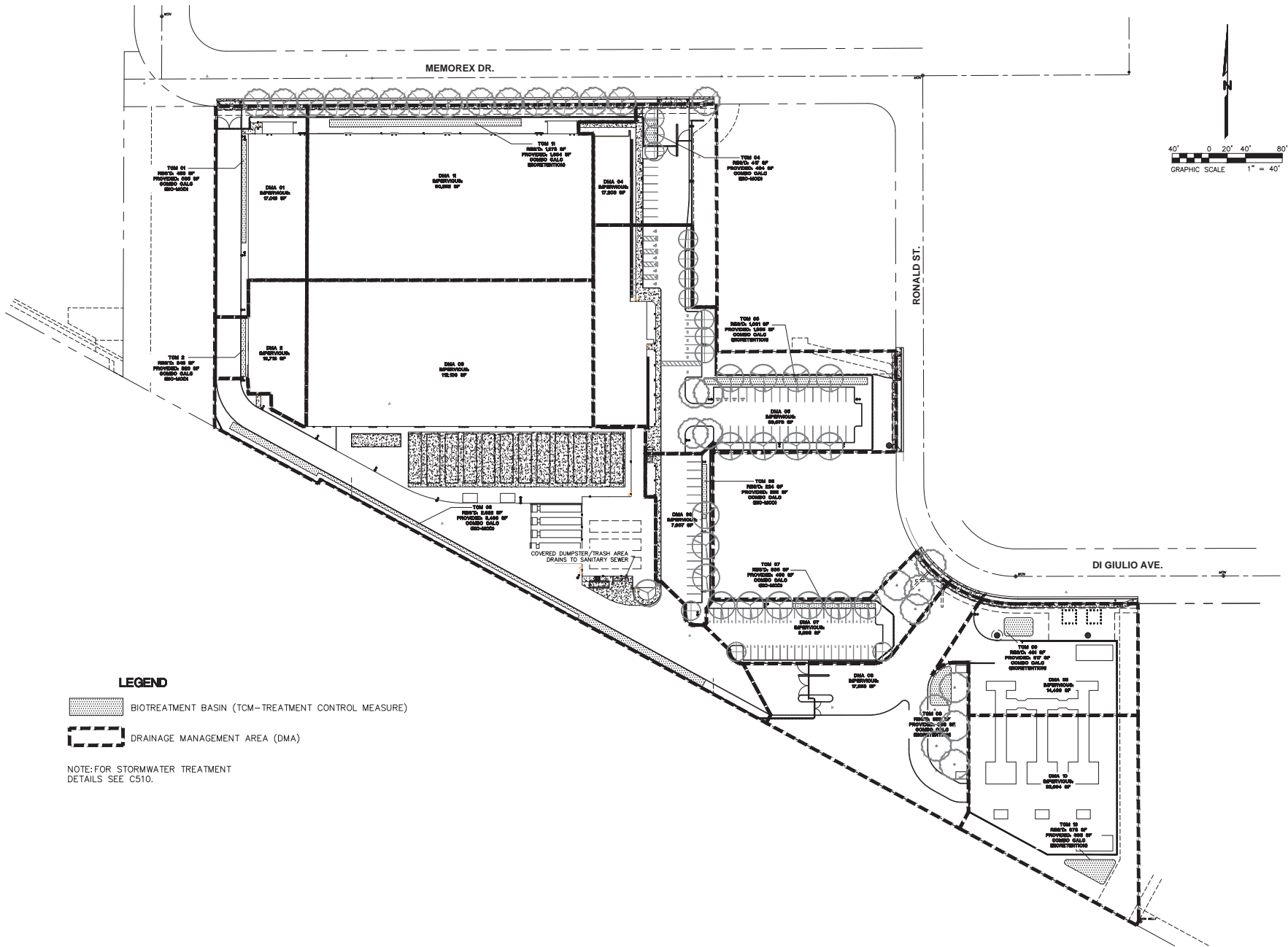


ENLARGED SVP CLEARANCE PLAN



04.09.2020



C401



LEGEND

-  BIOTREATMENT BASIN (TCM-TREATMENT CONTROL MEASURE)
-  DRAINAGE MANAGEMENT AREA (DMA)

NOTE: FOR STORMWATER TREATMENT
DETAILS SEE C510.

Project Number: 19110.0000



PRELIMINARY STORMWATER CONTROL PLAN

04.09.2020



C500

- BIOTREATMENT SOIL MIX SHALL MEET THE REQUIREMENTS AS OUTLINED IN APPENDIX C OF THE C-3 STORM WATER HANDBOOK AND SHALL BE A MIXTURE OF FINE SAND AND COMPOST MEASURED ON A VOLUME BASIS OF 60-70% SAND AND 30-40% COMPOST. CONTRACTOR TO REFER TO APPENDIX C FOR SAND AND COMPOST MATERIAL SPECIFICATIONS.
- PRIOR TO ORDERING THE BIOTREATMENT SOIL MIX OR DELIVERY TO THE PROJECT SITE, CONTRACTOR SHALL PROVIDE A BIOTREATMENT SOIL MIX SPECIFICATION CHECKLIST, COMPLETED BY THE SOIL MIX SUPPLIER AND CERTIFIED TESTING LAB.

1. SEE GRADING PLAN FOR BASIN FOOTPRINT AND DESIGN ELEVATIONS.
2. PLACE 3 INCHES OF COMPOSTED, NON-FLOATABLE MULCH IN AREAS BETWEEN STORMWATER PLANTINGS.
3. SEE LANDSCAPE PLAN FOR MULCH, PLANT MATERIALS AND IRRIGATION REQUIREMENTS
4. CURB CUTS SHALL BE A MINIMUM 18" WIDE AND SPACED AT 10' TO 12' INTERVALS AND SLOPED TO DIRECT STORMWATER TO DRAIN INTO THE BASIN. CURB CUTS SHALL ALSO NOT BE PLACED INLINE WITH OVERFLOW CATCH BASIN.
5. A MINIMUM 0.2" DROP BETWEEN STORM WATER ENTRY POINT (I.E. CURB OPENING, FLUSH CURB, ETC.) AND ADJACENT LANDSCAPE FINISHED GRADE.
6. DO NOT COMPACT NATIVE SOIL / SUBGRADE AT BOTTOM OF BASIN. LOOSEN SOIL TO 12" DEPTH.

L. PROPERTY INFORMATION:
I.A. PROPERTY ADDRESS:
1220 MEMOREX DRIVE
SANTA CLARA, CA 95050
I.B. PROPERTY OWNER:
1220 SANTA CLARA PROPCO, LLC

I.I.A. CONTACT: JOHN SHANK

I.I.B. PHONE NUMBER OF CONTACT: (408) 872-9500

I.I.C. EMAIL: JOHN@PELIO.COM

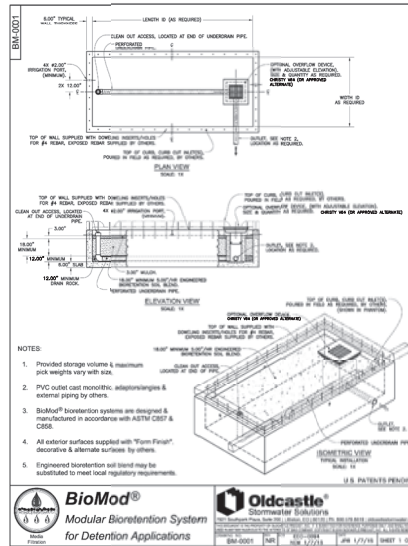
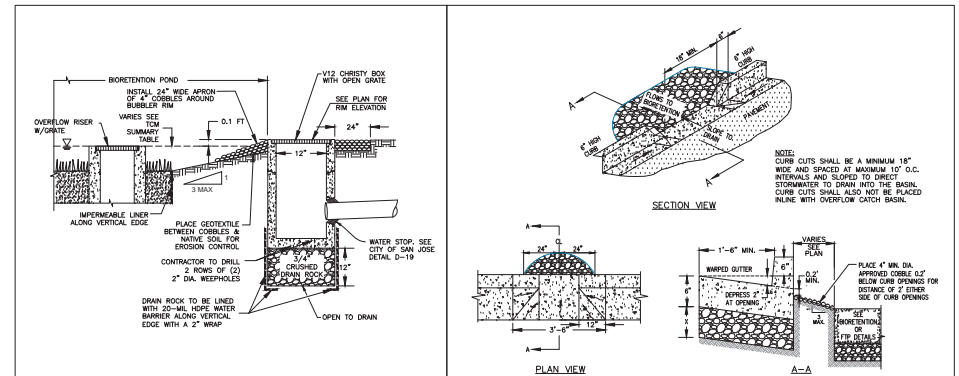
I.I.D. ADDRESS: 14573 BIG BASIN WAY
SARATOGA, CA 95070

- STANDING WATER SHALL NOT REMAIN IN THE TREATMENT MEASURES FOR MORE THAN FIVE DAYS TO PREVENT MOSQUITO GENERATION. SHOULD ANY MOSQUITO ISSUES ARISE, CONTACT THE CLARA VALLEY DISTRICT OFFICE IMMEDIATELY FOR ASSISTANCE (DISTRICT). MOSQUITO LARVIDES SHALL BE APPLIED ONLY WHEN ABSOLUTELY NECESSARY, AS INDICATED BY THE DISTRICT OFFICE. ONLY BY A LICENSED PROFESSIONAL OR A DISTRICT CONTRACTOR. CONTACT INFORMATION FOR THE DISTRICT IS PROVIDED BELOW.
- DO NOT USE PESTICIDES OR OTHER CHEMICAL APPLICATIONS TO TREAT DISEASED PLANTS. CONTROL WEEDS OR REMOVED UNDESIRABLE GROWTH BY MEANS OF MECHANICAL CONTROLS (BIOLOGICAL, PHYSICAL AND CULTURAL CONTROLS) TO TREAT A PEST PROBLEM. PRUNE PLANTS PROPERLY AND AT THE APPROPRIATE TIME OF YEAR. PROVIDE APPROPRIATE IRRIGATION FOR LANDSCAPE PLANTS. DO NOT OVER WATER.

1. SOILS TYPE: _____
2. GROUND WATER DEPTH: _____
3. NAME OF RECEIVING BODY: _____
4. FLOOD ZONE: ZONE X - AREAS OF 0.2% ANNUAL CHANCE FLOOD AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE, AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD
5. FLOOD ELEVATION (IF APPLICABLE): _____

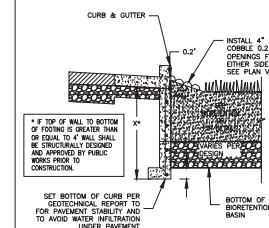
1. CONNECT THE FOLLOWING FEATURES TO SANITARY SEWER:
 - a. COVERED TRASH/ RECYCLING ENCLOSURES.
 - b. COVERED LOADING DOCKS AND MAINTENANCE BAYS.
2. BENEFICIAL LANDSCAPING.
3. USE OF WATER EFFICIENT IRRIGATION SYSTEMS.
4. MAINTENANCE (PAVEMENT SWEEPING, CATCH BASIN CLEANING, GOOD HOUSEKEEPING).
5. STORM DRAIN LABELING.

1. PROTECT EXISTING TREES, VEGETATION, AND SOIL.
2. REDUCE EXISTING IMPERVIOUS SURFACES.
3. CREATE NEW PERVIOUS AREAS:
4. LANDSCAPING
 - a. PARKING STALLS.
 - b. PRIVATE STREETS AND SIDEWALKS.
5. DIRECT FLOW FROM ROOFS, SIDEWALKS, PATIOS TO LANDSCAPED AREAS.
6. CLUSTER STRUCTURES/PAVEMENT.
7. PLANT TREES ADJACENT TO AND IN PARKING AREAS AND ADJACENT TO OTHER IMPERVIOUS AREAS.
8. PARKING:
 - a. NOT PROVIDED IN EXCESS OF CODE.

[illegible]

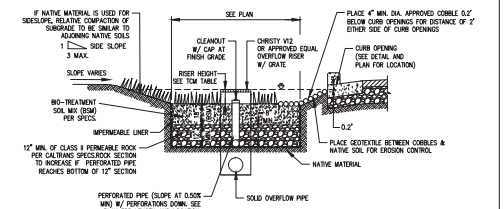
N.T.S.

N.T.S.



N.T.C.

NTC



IZING METHOD:
FLOW-COMBO

^d "Lined" refers to an impermeable liner placed on the bottom of a Bioretention basin or a concrete Flow-Through Planter, such that no infiltration into native soil occurs.

NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	REMOVE OBSTRUCTIONS, WEEDS, RUBBING AND TRASH FROM BIORETENTION AREA AND ITS INLETS AND OUTLETS, AND DISPOSE OF PROPERLY.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
2	INSPECT BIORETENTION AREA FOR STANDING WATER. IF STANDING WATER DOES NOT DRAIN WITHIN 2-3 DAYS, TELL AND REPLACE THE SURFACE BIORETREATMENT SOIL WITH THE APPROVED SOIL MIX AND SAND.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
3	CHECK UNDERDRAINS FOR CLOGGING. USE THE CLEANOUT RISER TO CLEAN ANY CLOGGED UNDERDRAINS.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
4	MAINTAIN THE IRRIGATION SYSTEM AND ENSURE THAT PLANTS ARE RECEIVING THE CORRECT AMOUNT OF WATER (IF APPLICABLE).	QUARTERLY
5	ENSURE THAT THE VEGETATION IS HEALTHY AND DENSE ENOUGH TO PROVIDE FILTRATION AND PROTECT SOILS FROM WIND EROSION. REMOVE WEEDS FROM THE BIORETENTION AREA. REMOVE AND/OR REPLACE ANY DEAD PLANTS.	ANNUALLY, BEFORE THE WET SEASON BEGINS
6	USE COMPOST AND OTHER NATURAL SOIL AMENDMENTS AND FERTILIZERS INSTEAD OF SYNTHETIC FERTILIZERS, ESPECIALLY IF THE SYSTEM USES AN UNDERDRAIN.	ANNUALLY, BEFORE THE WET SEASON BEGINS
7	CHECK THAT MULCH IS AT APPROPRIATE DEPTH OF 2 - 3 INCHES PER SOIL APPLICATIONS AND REFINISH AS NEEDED BEFORE BED INSPECTION SEASON BEGINS. IT IS RECOMMENDED THAT 2" - 3" OF ARBOR MULCH BE REAPPLIED EVERY YEAR.	ANNUALLY, BEFORE THE WET SEASON BEGINS
8	INSPECT THE ENERGY DISSIPATION AT THE INLET TO ENSURE IT IS FUNCTIONING ADEQUATELY, AND THAT THERE IS NO SCOUR OF THE SURFACE MULCH. REMOVE ACCUMULATED SEDIMENT.	ANNUALLY, BEFORE THE WET SEASON BEGINS
9	INSPECT OVERFLOW PIPE TO ENSURE THAT IT CAN SAFELY CONVEY EXCESS FLOWS TO A STORM DRAIN. REPAIR OR REPLACE DAMAGED PIPING.	ANNUALLY, BEFORE THE WET SEASON BEGINS
10	REPLACE BIORETREATMENT SOIL AND MULCH, IF NEEDED, CHECK FOR STANDING WATER, STRUCTURAL FAILURE AND CLOGGED OVERFLOWS. REMOVE TRASH AND DEBRIS. REPLACE DEAD PLANTS.	ANNUALLY, BEFORE THE WET SEASON BEGINS
11	INSPECT BIORETENTION AREA USING THE ATTACHED INSPECTION CHECKLIST.	ANNUALLY, BEFORE THE WET SEASON

SIZING FOR VOLUME BASED TREATMENT

DMA # 2
 Impervious Area = 20,439 s.f.
 % Imperviousness = 83.27%
 MA/Pave = 14.3
 MA/Pave = 13.9
 Clay (C) X Sandy Clay (D) Clay Loam (D)
 Sil Loam/Loam (B) Not Applicable (100% Impervious)
 Are the soils outside the building footprint grade/compacted? No Yes/No
 If yes, and the soil will be compacted during site preparation and grading, the soil infiltration rate will be decreased. Modify your answer to a soil with a lower infiltration rate (eg. Sil Loam to Clay).
 Modified Soil Type
 S = 1.00%
 UBS Volume for 1% Slope (UBS1%) = 0.52512848 inches (Use Figure B-2)
 UBS Volume for 15% Slope (UBS15%) = 0.54560185 inches (Use Figure B-5)
 UBS Volume for X% Slope (UBSX%) = 0.52512888 inches (Corrected Slope for the site)
 Adjusted UBS = Correction Factor (Step 2) x UBS1% (Step 5)
 Adjusted UBS = 0.5402402 inches
 Design Volume = Adjusted UBS (Step 6) x Drainage Area (Step 1) x 1612 cu ft
 Design Volume = 820.18 cu ft

COMBO FLOW & VOLUME BIORETENTION CALCULATION

Total Drainage Area = 20,439 sq ft
 Impervious Area = 17,318 sq ft
 Pervious Area = 3,120 sq ft
 Equivalent Impervious Area = 342 sq ft
 Rainfall Intensity = 0.2 in/hr
 Duration = Adjusted UBS (Step 6) / Rainfall Intensity
 Duration = 2.701001 hrs
 Estimate the Surface Area = 342 sq ft (Typically start with Total Impervious x 0.03)
 Volume of Treated Runoff = 635.90773 cu ft
 Volume in Ponding Area = 294.20238 cu ft
 Depth of Ponding = 0.5031986 inches
 Depth of Ponding = 0 inches (Round up)
 If Depth of Ponding is less than 6" the design can be optimized with a smaller surface area. (repeat)
 If Depth of Ponding is greater than 12" a larger surface area will be required. (repeat)
 If Depth of Ponding is between 6" to 12" this is the range allowable for Bio-retention or Flow-Through Planters.

SIZING FOR VOLUME BASED TREATMENT

DMA # 2
 Impervious Area = 17,322 s.f.
 % Imperviousness = 94.43%
 MA/Pave = 14.3
 MA/Pave = 13.9
 Clay (C) X Sandy Clay (D) Clay Loam (D)
 Sil Loam/Loam (B) Not Applicable (100% Impervious)
 Are the soils outside the building footprint grade/compacted? No Yes/No
 If yes, and the soil will be compacted during site preparation and grading, the soil infiltration rate will be decreased. Modify your answer to a soil with a lower infiltration rate (eg. Sil Loam to Clay).
 Modified Soil Type
 S = 1.00%
 UBS Volume for 1% Slope (UBS1%) = 0.55972302 inches (Use Figure B-2)
 UBS Volume for 15% Slope (UBS15%) = 0.58528034 inches (Use Figure B-5)
 UBS Volume for X% Slope (UBSX%) = 0.55972342 inches (Corrected Slope for the site)
 Adjusted UBS = Correction Factor (Step 2) x UBS1% (Step 5)
 Adjusted UBS = 0.5768322 inches
 Design Volume = Adjusted UBS (Step 6) x Drainage Area (Step 1) x 1612 cu ft
 Design Volume = 843.20 cu ft

COMBO FLOW & VOLUME BIORETENTION CALCULATION

Total Drainage Area = 17,322 sq ft
 Impervious Area = 16,681 sq ft
 Pervious Area = 641 sq ft
 Equivalent Impervious Area = 854 sq ft
 Rainfall Intensity = 0.2 in/hr
 Duration = Adjusted UBS (Step 6) / Rainfall Intensity
 Duration = 2.871686 hrs
 Estimate the Surface Area = 320 sq ft (Typically start with Total Impervious x 0.03)
 Volume of Treated Runoff = 583.86177 cu ft
 Volume in Ponding Area = 159.40386 cu ft
 Depth of Ponding = 0.4861531 inches
 Depth of Ponding = 0 inches (Round up)
 If Depth of Ponding is less than 6" the design can be optimized with a smaller surface area. (repeat)
 If Depth of Ponding is greater than 12" a larger surface area will be required. (repeat)
 If Depth of Ponding is between 6" to 12" this is the range allowable for Bio-retention or Flow-Through Planters.

SIZING FOR VOLUME BASED TREATMENT

DMA # 2
 Impervious Area = 17,322 s.f.
 % Imperviousness = 92.69%
 MA/Pave = 14.3
 MA/Pave = 13.9
 Clay (C) X Sandy Clay (D) Clay Loam (D)
 Sil Loam/Loam (B) Not Applicable (100% Impervious)
 Are the soils outside the building footprint grade/compacted? No Yes/No
 If yes, and the soil will be compacted during site preparation and grading, the soil infiltration rate will be decreased. Modify your answer to a soil with a lower infiltration rate (eg. Sil Loam to Clay).
 Modified Soil Type
 S = 1.00%
 UBS Volume for 1% Slope (UBS1%) = 0.55454321 inches (Use Figure B-2)
 UBS Volume for 15% Slope (UBS15%) = 0.57807407 inches (Use Figure B-5)
 UBS Volume for X% Slope (UBSX%) = 0.55454321 inches (Corrected Slope for the site)
 Adjusted UBS = Correction Factor (Step 2) x UBS1% (Step 5)
 Adjusted UBS = 0.5702955 inches
 Design Volume = Adjusted UBS (Step 6) x Drainage Area (Step 1) x 1612 cu ft
 Design Volume = 874.58 cu ft

COMBO FLOW & VOLUME BIORETENTION CALCULATION

Total Drainage Area = 17,322 sq ft
 Impervious Area = 16,100 sq ft
 Pervious Area = 8,539 sq ft
 Equivalent Impervious Area = 854 sq ft
 Rainfall Intensity = 0.2 in/hr
 Duration = Adjusted UBS (Step 6) / Rainfall Intensity
 Duration = 2.8514776 hrs
 Estimate the Surface Area = 3400 sq ft (Typically start with Total Impervious x 0.03)
 Volume of Treated Runoff = 4509.5852 cu ft
 Volume in Ponding Area = 1707.9676 cu ft
 Depth of Ponding = 0.5022493 inches
 Depth of Ponding = 0 inches (Round up)
 If Depth of Ponding is less than 6" the design can be optimized with a smaller surface area. (repeat)
 If Depth of Ponding is greater than 12" a larger surface area will be required. (repeat)
 If Depth of Ponding is between 6" to 12" this is the range allowable for Bio-retention or Flow-Through Planters.

SIZING FOR VOLUME BASED TREATMENT

DMA # 2
 Impervious Area = 19,400 s.f.
 % Imperviousness = 88.88%
 MA/Pave = 14.3
 MA/Pave = 13.9
 Clay (C) X Sandy Clay (D) Clay Loam (D)
 Sil Loam/Loam (B) Not Applicable (100% Impervious)
 Are the soils outside the building footprint grade/compacted? No Yes/No
 If yes, and the soil will be compacted during site preparation and grading, the soil infiltration rate will be decreased. Modify your answer to a soil with a lower infiltration rate (eg. Sil Loam to Clay).
 Modified Soil Type
 S = 1.00%
 UBS Volume for 1% Slope (UBS1%) = 0.5418933 inches (Use Figure B-2)
 UBS Volume for 15% Slope (UBS15%) = 0.56624277 inches (Use Figure B-5)
 UBS Volume for X% Slope (UBSX%) = 0.5418933 inches (Corrected Slope for the site)
 Adjusted UBS = Correction Factor (Step 2) x UBS1% (Step 5)
 Adjusted UBS = 0.5574874 inches
 Design Volume = Adjusted UBS (Step 6) x Drainage Area (Step 1) x 1612 cu ft
 Design Volume = 881.27 cu ft

COMBO FLOW & VOLUME BIORETENTION CALCULATION

Total Drainage Area = 20,439 sq ft
 Impervious Area = 17,203 sq ft
 Pervious Area = 3,197 sq ft
 Equivalent Impervious Area = 220 sq ft
 Rainfall Intensity = 0.2 in/hr
 Duration = Adjusted UBS (Step 6) / Rainfall Intensity
 Duration = 2.7874368 hrs
 Estimate the Surface Area = 434 sq ft (Typically start with Total Impervious x 0.03)
 Volume of Treated Runoff = 564.95148 cu ft
 Volume in Ponding Area = 307.2974 cu ft
 Depth of Ponding = 0.9152298 inches
 Depth of Ponding = 11 inches (Round up)
 If Depth of Ponding is less than 6" the design can be optimized with a smaller surface area. (repeat)
 If Depth of Ponding is greater than 12" a larger surface area will be required. (repeat)
 If Depth of Ponding is between 6" to 12" this is the range allowable for Bio-retention or Flow-Through Planters.

SIZING FOR VOLUME BASED TREATMENT

DMA # 6
 Impervious Area = 50,525 s.f.
 % Imperviousness = 77.91%
 MA/Pave = 14.3
 MA/Pave = 13.9
 Clay (C) X Sandy Clay (D) Clay Loam (D)
 Sil Loam/Loam (B) Not Applicable (100% Impervious)
 Are the soils outside the building footprint grade/compacted? No Yes/No
 If yes, and the soil will be compacted during site preparation and grading, the soil infiltration rate will be decreased. Modify your answer to a soil with a lower infiltration rate (eg. Sil Loam to Clay).
 Modified Soil Type
 S = 1.00%
 UBS Volume for 1% Slope (UBS1%) = 0.5050352 inches (Use Figure B-2)
 UBS Volume for 15% Slope (UBS15%) = 0.53174373 inches (Use Figure B-5)
 UBS Volume for X% Slope (UBSX%) = 0.5050352 inches (Corrected Slope for the site)
 Adjusted UBS = Correction Factor (Step 2) x UBS1% (Step 5)
 Adjusted UBS = 0.5231693 inches
 Design Volume = Adjusted UBS (Step 6) x Drainage Area (Step 1) x 1612 cu ft
 Design Volume = 5220.30 cu ft

COMBO FLOW & VOLUME BIORETENTION CALCULATION

Total Drainage Area = 50,525 sq ft
 Impervious Area = 39,879 sq ft
 Pervious Area = 11,247 sq ft
 Equivalent Impervious Area = 1,128 sq ft
 Rainfall Intensity = 0.2 in/hr
 Duration = Adjusted UBS (Step 6) / Rainfall Intensity
 Duration = 2.6168465 hrs
 Estimate the Surface Area = 5350 sq ft (Typically start with Total Impervious x 0.03)
 Volume of Treated Runoff = 1450.2648 cu ft
 Volume in Ponding Area = 769.15113 cu ft
 Depth of Ponding = 0.5731348 inches
 Depth of Ponding = 0 inches (Round up)
 If Depth of Ponding is less than 6" the design can be optimized with a smaller surface area. (repeat)
 If Depth of Ponding is greater than 12" a larger surface area will be required. (repeat)
 If Depth of Ponding is between 6" to 12" this is the range allowable for Bio-retention or Flow-Through Planters.

SIZING FOR VOLUME BASED TREATMENT

DMA # 6
 Impervious Area = 10,880 s.f.
 % Imperviousness = 71.07%
 MA/Pave = 14.3
 MA/Pave = 13.9
 Clay (C) X Sandy Clay (D) Clay Loam (D)
 Sil Loam/Loam (B) Not Applicable (100% Impervious)
 Are the soils outside the building footprint grade/compacted? No Yes/No
 If yes, and the soil will be compacted during site preparation and grading, the soil infiltration rate will be decreased. Modify your answer to a soil with a lower infiltration rate (eg. Sil Loam to Clay).
 Modified Soil Type
 S = 1.00%
 UBS Volume for 1% Slope (UBS1%) = 0.49319861 inches (Use Figure B-2)
 UBS Volume for 15% Slope (UBS15%) = 0.53321233 inches (Use Figure B-5)
 UBS Volume for X% Slope (UBSX%) = 0.49332861 inches (Corrected Slope for the site)
 Adjusted UBS = Correction Factor (Step 2) x UBS1% (Step 5)
 Adjusted UBS = 0.5077369 inches
 Design Volume = Adjusted UBS (Step 6) x Drainage Area (Step 1) x 1612 cu ft
 Design Volume = 466.72 cu ft

COMBO FLOW & VOLUME BIORETENTION CALCULATION

Total Drainage Area = 10,880 sq ft
 Impervious Area = 7,957 sq ft
 Pervious Area = 2,923 sq ft
 Equivalent Impervious Area = 283 sq ft
 Rainfall Intensity = 0.2 in/hr
 Duration = Adjusted UBS (Step 6) / Rainfall Intensity
 Duration = 2.6366463 hrs
 Estimate the Surface Area = 280 sq ft (Typically start with Total Impervious x 0.03)
 Volume of Treated Runoff = 312.04203 cu ft
 Volume in Ponding Area = 158.50502 cu ft
 Depth of Ponding = 0.5040018 inches
 Depth of Ponding = 6 inches (Round up)
 If Depth of Ponding is less than 6" the design can be optimized with a smaller surface area. (repeat)
 If Depth of Ponding is greater than 12" a larger surface area will be required. (repeat)
 If Depth of Ponding is between 6" to 12" this is the range allowable for Bio-retention or Flow-Through Planters.

SIZING FOR VOLUME BASED TREATMENT

DMA # 7
 Impervious Area = 17,448 s.f.
 % Imperviousness = 57.64%
 MA/Pave = 14.3
 MA/Pave = 13.9
 Clay (C) X Sandy Clay (D) Clay Loam (D)
 Sil Loam/Loam (B) Not Applicable (100% Impervious)
 Are the soils outside the building footprint grade/compacted? No Yes/No
 If yes, and the soil will be compacted during site preparation and grading, the soil infiltration rate will be decreased. Modify your answer to a soil with a lower infiltration rate (eg. Sil Loam to Clay).
 Modified Soil Type
 S = 1.00%
 UBS Volume for 1% Slope (UBS1%) = 0.44504476 inches (Use Figure B-2)
 UBS Volume for 15% Slope (UBS15%) = 0.47303553 inches (Use Figure B-5)
 UBS Volume for X% Slope (UBSX%) = 0.44504476 inches (Corrected Slope for the site)
 Adjusted UBS = Correction Factor (Step 2) x UBS1% (Step 5)
 Adjusted UBS = 0.4686748 inches
 Design Volume = Adjusted UBS (Step 6) x Drainage Area (Step 1) x 1612 cu ft
 Design Volume = 655.45 cu ft

COMBO FLOW & VOLUME BIORETENTION CALCULATION

Total Drainage Area = 17,448 sq ft
 Impervious Area = 8,893 sq ft
 Pervious Area = 7,215 sq ft
 Equivalent Impervious Area = 720 sq ft
 Rainfall Intensity = 0.2 in/hr
 Duration = Adjusted UBS (Step 6) / Rainfall Intensity
 Duration = 2.3337141 hrs
 Estimate the Surface Area = 450 sq ft (Typically start with Total Impervious x 0.03)
 Volume of Treated Runoff = 430.00765 cu ft
 Volume in Ponding Area = 225.43569 cu ft
 Depth of Ponding = 0.5008748 inches
 Depth of Ponding = 6 inches (Round up)
 If Depth of Ponding is less than 6" the design can be optimized with a smaller surface area. (repeat)
 If Depth of Ponding is greater than 12" a larger surface area will be required. (repeat)
 If Depth of Ponding is between 6" to 12" this is the range allowable for Bio-retention or Flow-Through Planters.

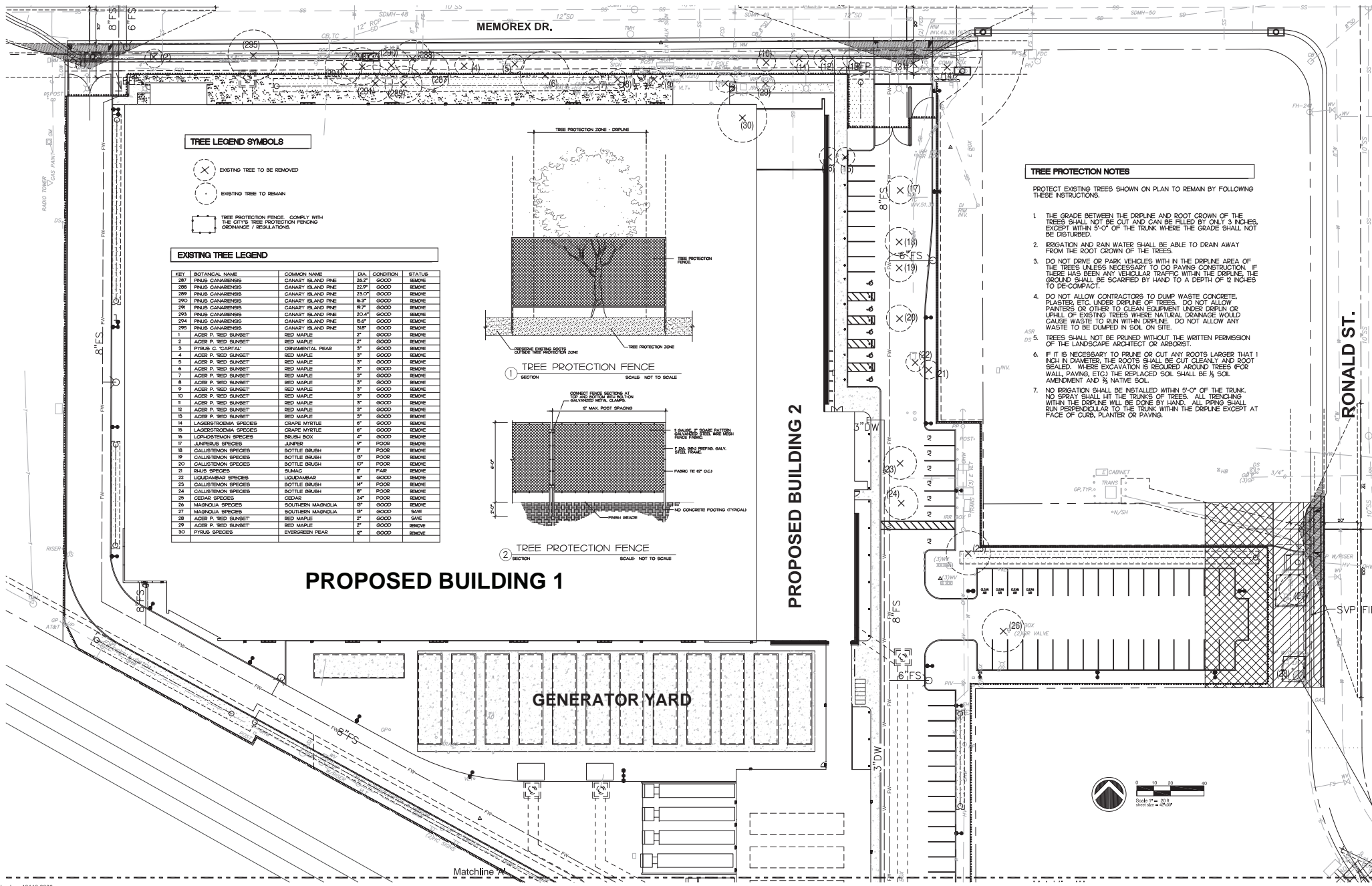
SIZING FOR VOLUME BASED TREATMENT

DMA # 8
 Impervious Area = 32,285 s.f.
 % Imperviousness = 53.47%
 MA/Pave = 14.3
 MA/Pave = 13.9
 Clay (C) X Sandy Clay (D) Clay Loam (D)
 Sil Loam/Loam (B) Not Applicable (100% Impervious)
 Are the soils outside the building footprint grade/compacted? No Yes/No
 If yes, and the soil will be compacted during site preparation and grading, the soil infiltration rate will be decreased. Modify your answer to a soil with a lower infiltration rate (eg. Sil Loam to Clay).
 Modified Soil Type
 S = 1.00%
 UBS Volume for 1% Slope (UBS1%) = 0.43275989 inches (Use Figure B-2)
 UBS Volume for 15% Slope (UBS15%) = 0.46041941 inches (Use Figure B-5)
 UBS Volume for X% Slope (UBSX%) = 0.43275989 inches (Corrected Slope for the site)
 Adjusted UBS = Correction Factor (Step 2) x UBS1% (Step 5)
 Adjusted UBS = 0.4482194 inches
 Design Volume = Adjusted UBS (Step 6) x Drainage Area (Step 1) x 1612 cu ft
 Design Volume = 1,187.98 cu ft

COMBO FLOW & VOLUME BIORETENTION CALCULATION

Total Drainage Area = 32,285 sq ft
 Impervious Area = 17,263 sq ft
 Pervious Area = 15,012 sq ft
 Equivalent Impervious Area = 1,651 sq ft
 Rainfall Intensity = 0.2 in/hr
 Duration = Adjusted UBS (Step 6) / Rainfall Intensity
 Duration = 2.2263989 hrs
 Estimate the Surface Area = 430 sq ft (Typically start with Total Impervious x 0.03)
 Volume of Treated Runoff = 777.27882 cu ft
 Volume in Ponding Area = 419.95477 cu ft
 Depth of Ponding = 0.5008603 inches
 Depth of Ponding = 6 inches (Round up)
 If Depth of Ponding is less than 6" the design can be optimized with a smaller surface area. (repeat)
 If Depth of Ponding is greater than 12" a larger surface area will be required. (repeat)
 If Depth of Ponding is between 6" to 12" this is the range allowable for Bio-retention or Flow-Through Planters.





PROPOSED BUILDING 1

GENERATOR YARD

EXISTING TREE PLAN

04-09-2020

SKYBOX

CORGAN

R G RUTH AND GONG, INC.

CRITICAL

KW mission critical engineering

REED ASSOCIATES

REGISTERED LANDSCAPE ARCHITECT
PAUL HAYBEE
No. 1000
Exp. 9/30/2021
STATE OF CALIFORNIA

DATA HALL
OFFICE

L-102

PROPOSED BUILDING 1

Appendix B - Water Efficient Landscape Worksheet

Reference Evapotranspiration (ET₀) 43.0

MAWA - Regular Landscape Areas

MAWA = (ET₀ × 0.45) × (ETAF × LA) + (ETAF × SLA)

Landscape area 75,400 s.f.

SLA 0 s.f.

ETAF 0.45

total area SLA 75,400

MAWA total 904,670 gallons per year

ETAF - Regular Landscape Areas

ETAF = (ET₀ × 0.45) × (ETAF × LA) + (ETAF × SLA)

Hydrozone number	Plant water use	Plant factor (PF)	Irrigation method	Irrigation efficiency	ETAF (PF x IE)	Hydrozone area	ETAF x Area	ETAF
1	low	0.2	AS	0.81	0.247	8,498	1,856.4	42,774
2	medium	0.5	AS	0.81	0.617	183	112.5	5,012
3	low	0.2	AS	0.81	0.247	1,862	458	10,075
4	low	0.2	AS	0.81	0.247	1,108	274	7,294
5	low	0.2	AS	0.81	0.247	9,551	1,813	42,092
6	low	0.2	AS	0.81	0.247	7,111	1,766	46,010
7	low	0.2	overhead water	0.70	0.293	16,285	4,848	125,303
8	low	0.2	overhead water	0.70	0.293	14,344	4,070	108,489
9	low	0.2	AS	0.81	0.247	4,588	1,129	31,599
10	low	0.2	AS	0.81	0.247	575	141	3,752
11	low	0.2	AS	0.81	0.247	1,706	440	11,091
12	low	0.2	AS	0.81	0.247	2,051	522	16,595
13	low	0.2	AS	0.81	0.247	1,889	447	11,868
14	low	0.2	AS	0.81	0.247	1,115	280	8,005
15	low	0.2	AS	0.81	0.247	2,289	580	14,508
16	low	0.2	AS	0.81	0.247	809	200	6,115
17	low	0.2	AS	0.81	0.247	2,077	515	13,872
18	low	0.2	AS	0.81	0.247	1,754	428	11,349
SLA	—	1.0	—	1.00	1.000	0	0	0
A	rock mulch	0.0	—	1.00	0.004	0.004	0.004	0.004

ETAF total (in SLA) 75,400 198,706 925,760

Total with all zones and SLA 75,742

ETAF reductions

total ETAF x area 198,706

total area 75,742

average ETAF 0.264

Average ETAF for Regular Landscape Areas must be 0.25 or below for residential areas, and 0.45 or below for non-residential areas.

TOTALS

MAWA total 904,670 gallons per year

ETAF total 925,760 gallons per year

41.4 Percentage reduction of Potential Irrigation Water

Area W not included in water calculations

IRRIGATION HYDRO-ZONE LEGEND

PLANTS ARE GROUP TO HAVE MATCHING WATER REQUIREMENTS AND MICRO-CLIMATE CHARACTERISTICS.

MEDIUM WATER REQUIREMENT

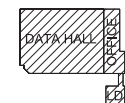
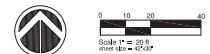
LOW WATER REQUIREMENT

GRAVEL MULCH - NOT INCLUDED IN WATER BUDGET

PROPOSED BUILDING 2

GENERATOR YARD

RONALD ST.



L-103

SKYBOX

CORGAN

R G RUTH AND GONG, INC.

CRITICAL

KW mission critical engineering

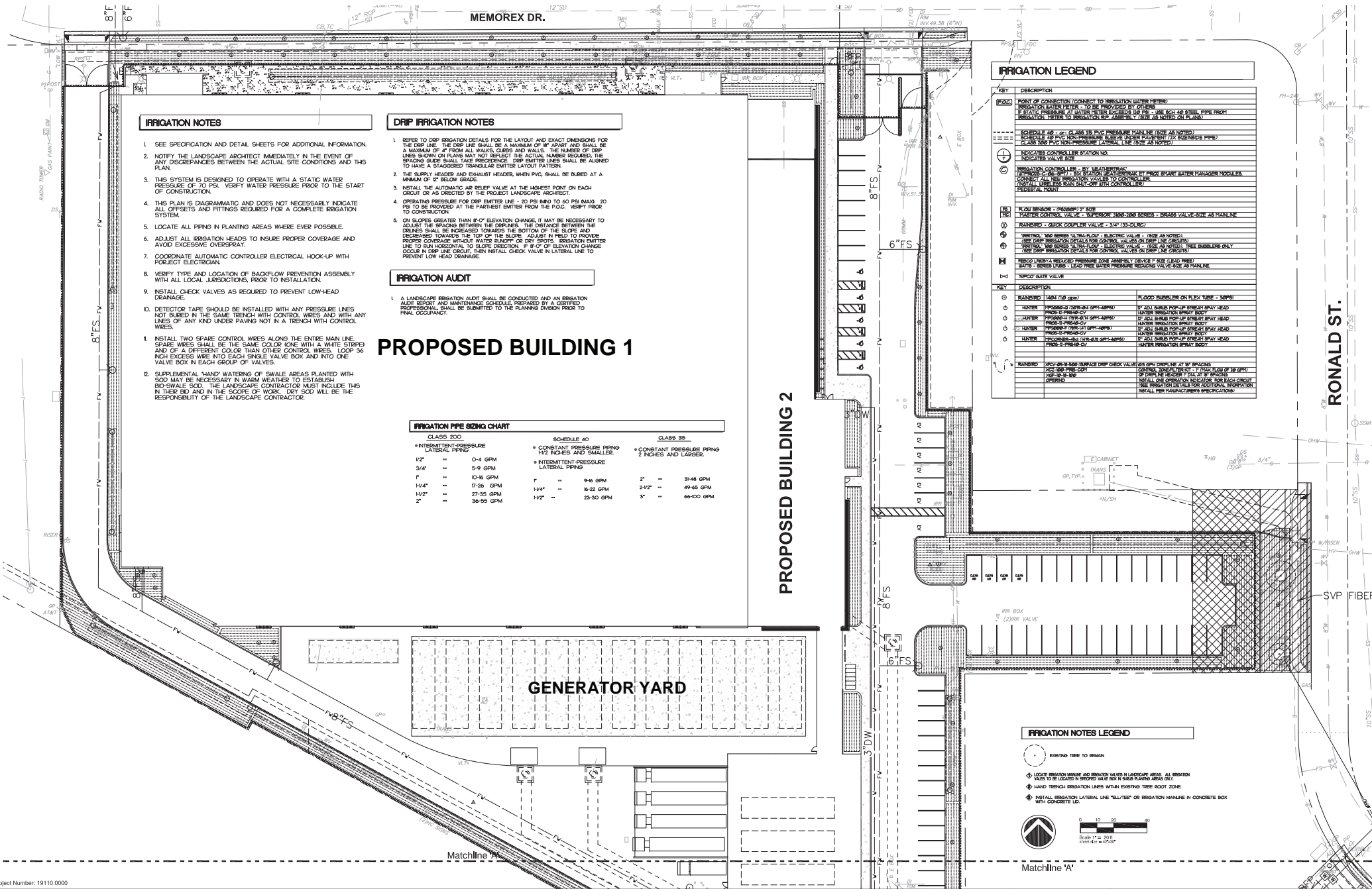
REED ASSOCIATES

LANDSCAPE HYDROZONE PLAN

04-09-2020



This document is for informational purposes only and may not be used for regulatory compliance, approval, or construction.



This document is preliminary and may not be used for regulatory approval, permit or construction.

A LANDSCAPE IRRIGATION AUDIT SHALL BE CONDUCTED AND AN IRRIGATION AUDIT REPORT AND MAINTENANCE SCHEDULE PREPARED BY A CERTIFIED PROFESSIONAL SHALL BE SUBMITTED TO THE PLANNING DIVISION PRIOR TO REAR OCCUPANCY.

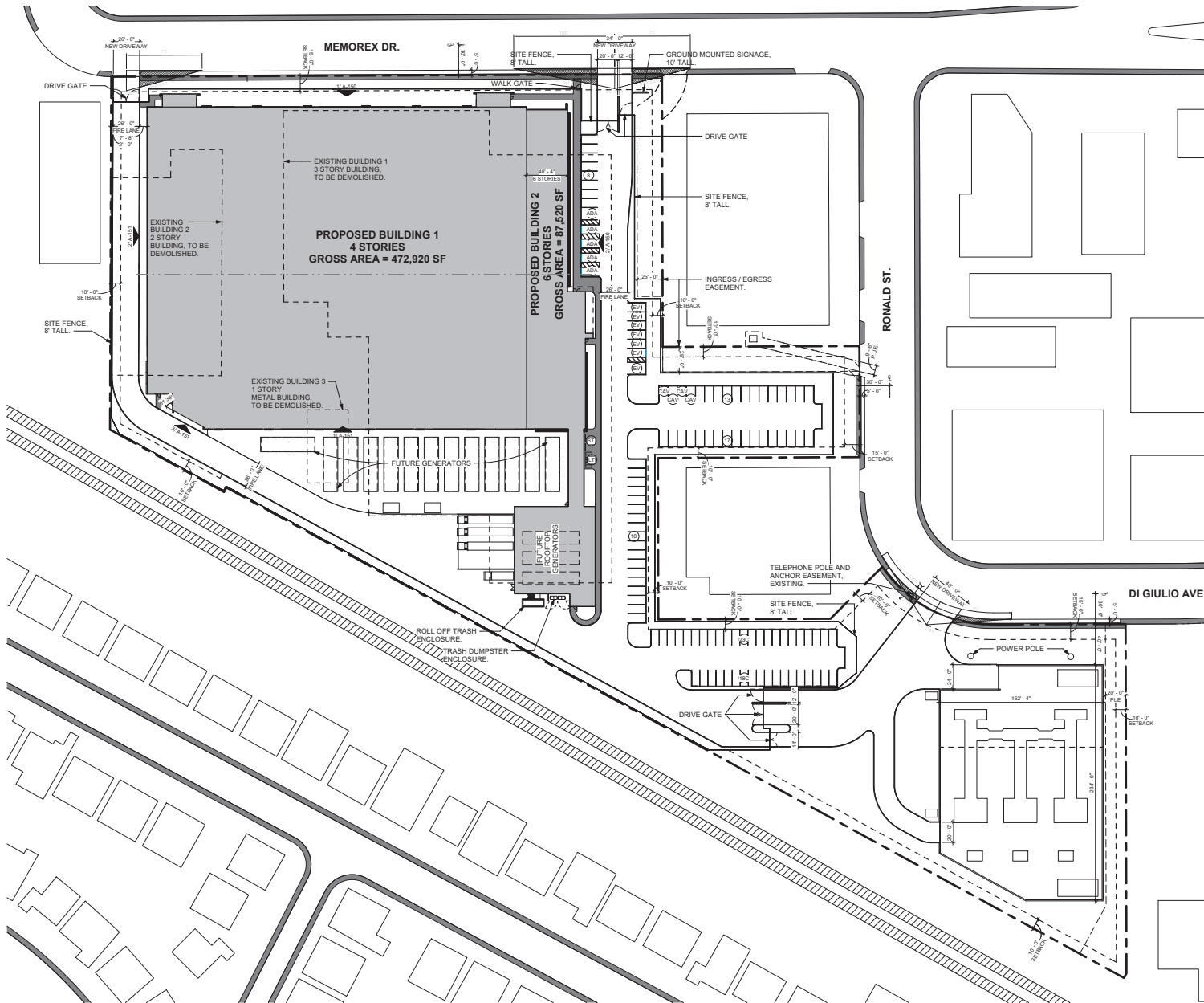
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1. SEE PRENOTATION AND CERTAIN SUFFICES FOR ADDITIONAL INFORMATION.
2. NOTIFY THE UNDERGROUND MINING MANAGER AT THE TIME OF ANY DISCREPANCIES BETWEEN THE ACTUAL SITE CONDITIONS AND THIS PLAN.
3. THE SYSTEM IS DESIGNED TO OPERATE WITH A STATIC WATER RESERVOIR OF FRESH SURFACE WATER FEEDING FROM THE BANK OF CONTOURION.
4. THE PLAN IS PARAMOUNTANT AND DOES NOT NECESSARILY INDICATE ALL OFFSETS AND FITTINGS REQUIRED FOR A COMPLETE INSTALLATION.
5. LOCATE ALL TRENCHES IN PLANTED AREAS WHERE EVER POSSIBLE.
6. ADJUST ALL BRASSER HEADS TO INSURE PROPER COVERAGE AND AVOID EXCESSIVE OVERSPRAY.
7. COORDINATE AUTOMATIC CONTROL ELECTRICAL WORK OF WITH PROJECT ELECTRICAL.
8. VERIFY TYPE AND LOCATION OF BACKFLOW PREVENTOR ASSEMBLY WITH ALL LOCAL JURISDICTIONS PRIOR TO INSTALLATION.
9. INSTALL THESE VALVES AS REQUIRED TO PREVENT LOW-HEAD

CLASS 300		SCHEMATIC 40		CLASS 300	
INTERMITTENT PRESSURE LATERAL PIPING		CONSTANT PRESSURE PIPING MIX THICKES AND SMALLER		CONSTANT PRESSURE PIPING 2 INCHES AND LARGER	
INTERMITTENT PRESSURE LATERAL PIPING		CONSTANT PRESSURE PIPING MIX THICKES AND SMALLER		CONSTANT PRESSURE PIPING 2 INCHES AND LARGER	
1/2"	5-4 GPM	1"	2-0 GPM	2"	3-48 GPM
3/4"	5-9 GPM	1 1/4"	8-12 GPM	2 1/2"	40-65 GPM
1"	6-4 GPM	1 1/2"	25-30 GPM	3"	55-90 GPM
1 1/4"	10-15 GPM				
1 1/2"	17-20 GPM				
2"	30-35 GPM				

EXISTING TREE TO REMAIN

- ① LOCATE BRIDGEMAN MARKERS AND BRIDGEMAN VALUES IN LANDSCAPE AREAS. ALL BRIDGEMAN VALUES TO BE LOCATED IN IMPROVED WALK FOR IN SHADE PLANTING AREAS ONLY.
- ② HAND TIEBENCH BRIDGEMAN LINES WITHIN EXISTING TREE ROOT ZONE.
- ③ INSTALL BRIDGEMAN LATERAL LINE "W/OUT" FOR BRIDGEMAN MARKERS IN CONCRETE BENCH WITH CONCRETE SET.



EXISTING

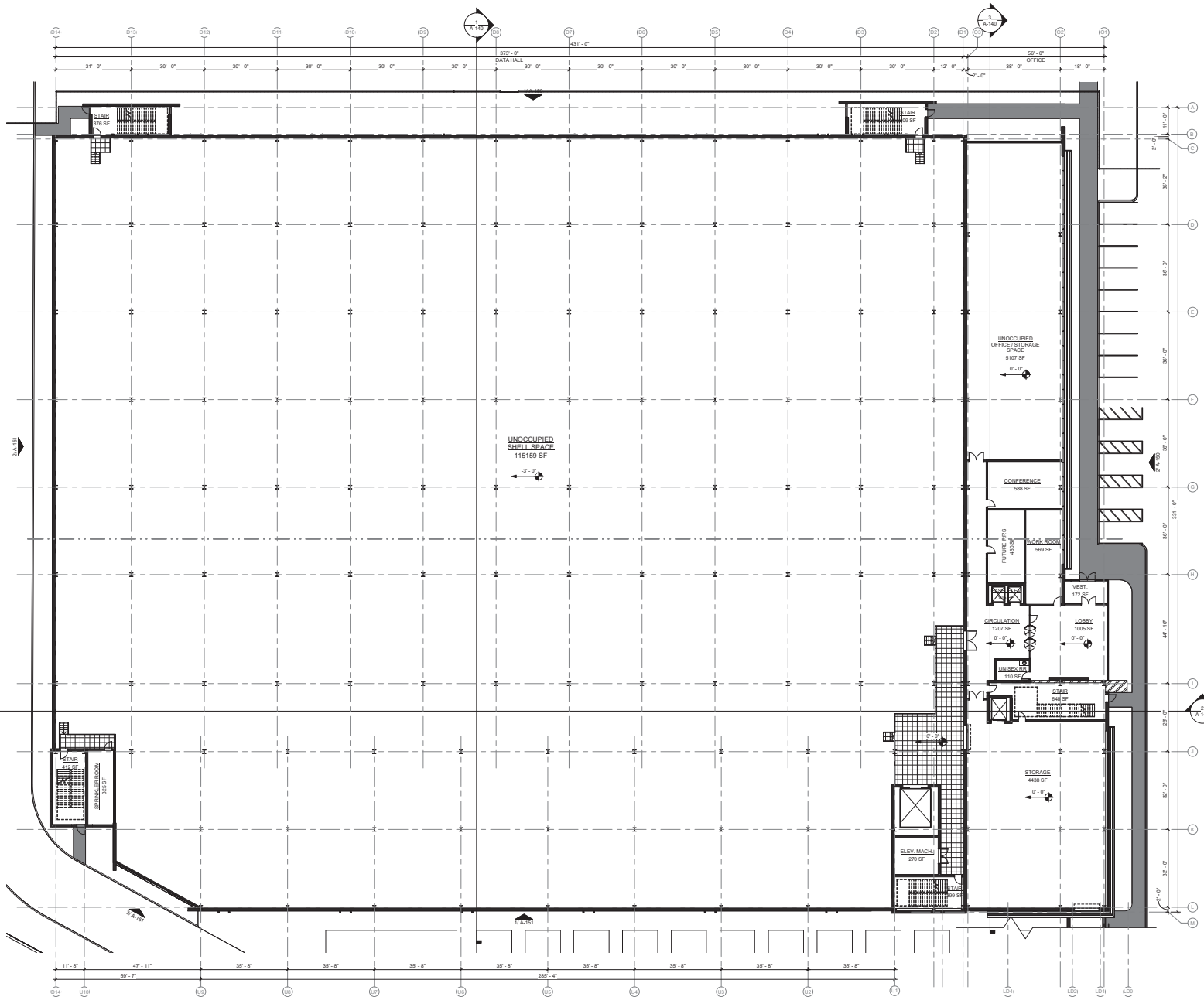
LOT SIZE - 400,038± SF - 9.18 ACRES
3 EXISTING BUILDINGS - TO BE DEMOLISHED
BUILDING 1 - FACTORY - 3 STORIES @ 116,679± SF BUILDING FOOTPRINT
BUILDING 2 - FACTORY - 2 STORIES @ 22,986± SF BUILDING FOOTPRINT
BUILDING 3 - STORAGE - 1 STORY @ 2,944± SF BUILDING FOOTPRINT
LOT COVERAGE - 142,619± SF - 36%

PROPOSED

LOT SIZE - 400,038± SF - 9.18 ACRES
2 PROPOSED BUILDINGS - TYPE IIA
BUILDING 1 - STORAGE II - 4 STORIES @ 116,230± SF GROSS - 472,920 SF±
PARAPET - 87' 0" MID SLOPE OF ROOF - 83' 6"
BUILDING 2 - STORAGE II - 6 STORIES @ 14,585± SF GROSS - 87,520 SF±
PARAPET - 87' 0" MID SLOPE OF ROOF - 83' 6"
FAR - 1.40
LOT COVERAGE - 143,300± SF - 36%
OUTDOOR EQUIP STORAGE - 22,300± SF - 6%
GROSS BUILDING - 560,440± SF
PROD. DATA HALL - 6 @ 19,780 SF = 118,680 SF
DEV. DATA HALL - 5 @ 19,780 SF = 118,680 SF
MECH. GALLERY - 24 @ 3,536 SF = 84,860 SF
UPS - 30 @ 2,275 SF = 68,250 SF
OPEN OFFICE - 5,100 SF + 8,220 SF + 4 @ 9420 SF = 51,000 SF
MISC. - 118,970 SF
* PRODUCTION AND DEVELOPMENT DATA HALLS ARE IDENTIFIABLE BY THEIR BACKUP POWER GENERATION
- PRODUCTION DATA HALL - NO BACKUP POWER GENERATION PROVIDED FOR 100% OF LOAD
- DEVELOPMENT DATA HALL - NO BACKUP POWER GENERATION PROVIDED

PARKING

112 REQUIRED SPACES @ 1 PER 5,000 SF
113 PARKING SPACES PROVIDED
56 PARKING SPACES
41 COMPACT PARKING SPACES (C)
11 CLEAN AIR VEHICLE PARKING SPACES (CAV)
7 FUTURE EV CHARGING SPACES (EV)
5 ADA ACCESSIBLE SPACES (ADA)
BICYCLE PARKING - 5% SHORT & LONG TERM
6 SHORT TERM SPACES (ST)
6 LONG TERM SPACES (LT)



PROPOSED

LOT SIZE - 400,038± SF - 9.18 ACRES

2 PROPOSED BUILDINGS - TYPE IIA

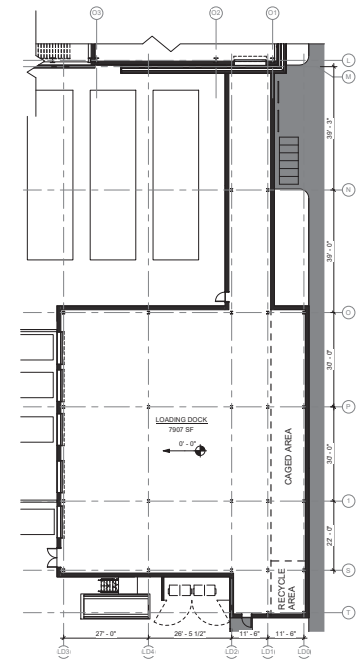
BUILDING 1 - STORAGE II - 4 STORIES @ 118,230± SF GROSS - 472,920 SF±
PARAPET - 87' 0" MID SLOPE OF ROOF - 43' 6"
BUILDING 2 - STORAGE II - 6 STORIES @ 14,585± SF GROSS - 87,520 SF±
PARAPET - 87' 0" MID SLOPE OF ROOF - 43' 6"

FAR - 1.40
LOT COVERAGE - 143,300± SF - 36%
OUTDOOR EQUIP STORAGE - 22,300± SF - 6%

GROSS BUILDING - 550,449± SF

PROD. DATA HALL - 6 @ 19,780 SF = 118,680 SF
DEV. DATA HALL - 6 @ 19,780 SF = 118,680 SF
MECH. GALLERY - 24 @ 3,536 SF = 84,860 SF
UPS - 30 @ 2,275 SF = 68,250 SF
OPEN OFFICE - 5,100 SF + 6,220 SF + 4 @ 9420 SF = 51,000 SF
MISC. - 118,370 SF

* PRODUCTION AND DEVELOPMENT DATA HALLS ARE IDENTIFIABLE BY THEIR BACKUP POWER GENERATION.
- PRODUCTION DATA HALL - BACKUP POWER GENERATION PROVIDED FOR 100% OF LOAD
- DEVELOPMENT DATA HALL - NO BACKUP POWER GENERATION PROVIDED



LEVEL 1 FLOOR PLAN

1/16" = 1'-0"
04.09.2020

SKYBOX

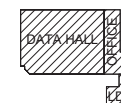
CORGAN

R G METS AND CORING INC.

CRITICAL
PROPERTY STRATEGISTS

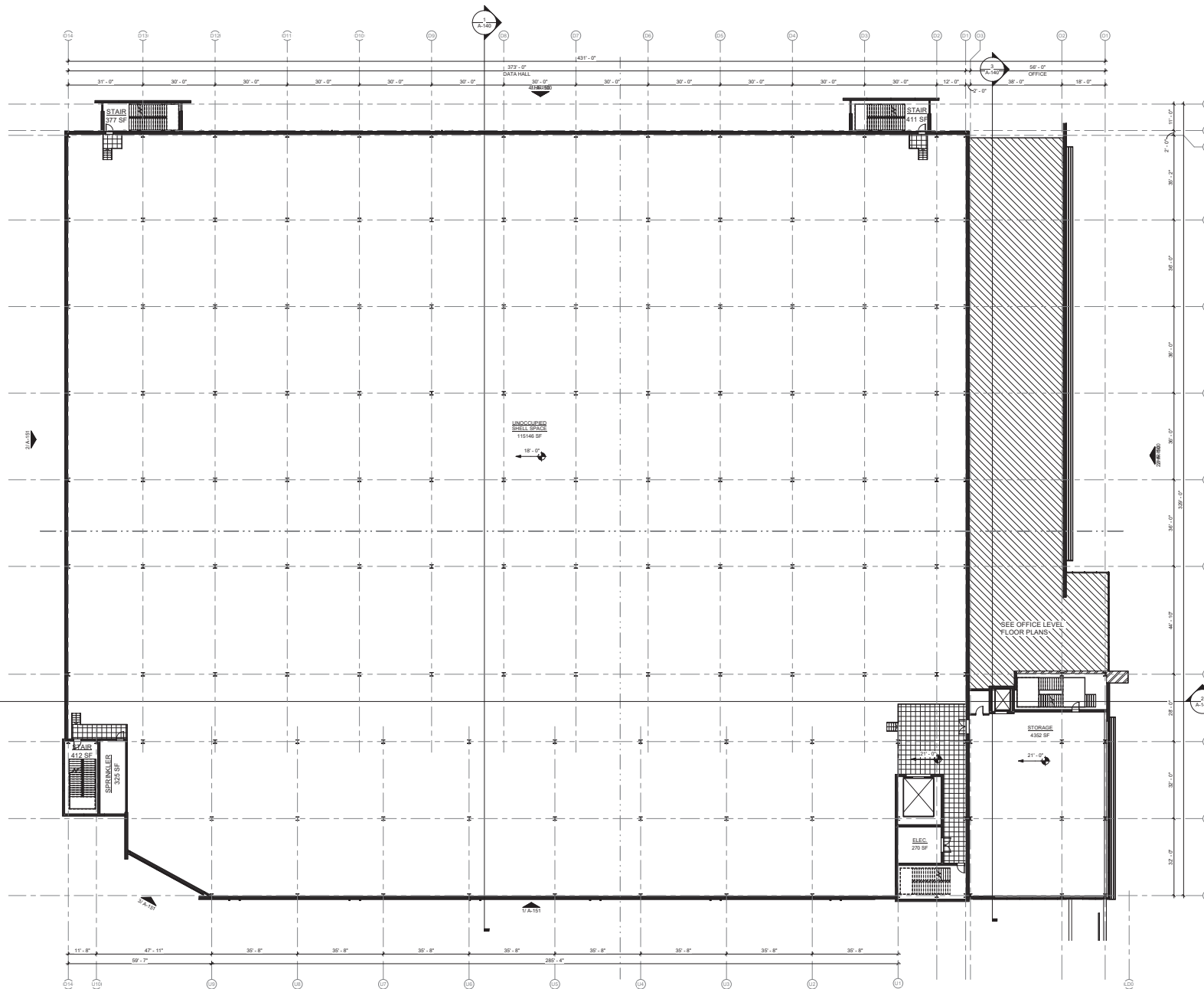
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REED ASSOCIATES
ARCHITECTS



A-121





PROPOSED

LOT SIZE - 400,038± SF - 9.18 ACRES

2 PROPOSED BUILDINGS - TYPE IIA

BUILDING 1 - STORAGE II - 4 STORIES @ 118,230± SF GROSS - 472,920 SF±
PARPAET - 87' 0" MID SLOPE OF ROOF - 83' 6"
BUILDING 2 - STORAGE II - 6 STORIES @ 14,585± SF GROSS - 87,520 SF±
PARPAET - 87' 0" MID SLOPE OF ROOF - 83' 6"

FAR - 1.40
LOT COVERAGE - 143,300± SF - 36%
OUTDOOR EQUIP STORAGE - 22,300± SF - 6%

GROSS BUILDING - 560,440± SF

PROD. DATA HALL - 6 @ 19,780 SF = 118,680 SF
DEV. DATA HALL - 6 @ 19,780 SF = 118,680 SF
MECH GALLERY - 24 @ 3,536 SF = 84,860 SF
UPS - 30 @ 2,275 SF = 68,250 SF
OPEN OFFICE - 5,100 SF + 8,220 SF + 4 @ 9420 SF = 51,000 SF
MISC. - 118,370 SF

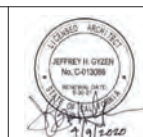
* PRODUCTION AND DEVELOPMENT DATA HALLS ARE IDENTIFIABLE BY THEIR BACKUP POWER GENERATION
- PRODUCTION DATA HALL - BACKUP POWER GENERATION PROVIDED FOR 100% OF LOAD
- DEVELOPMENT DATA HALL - NO BACKUP POWER GENERATION PROVIDED

Project Number: 19110.0000

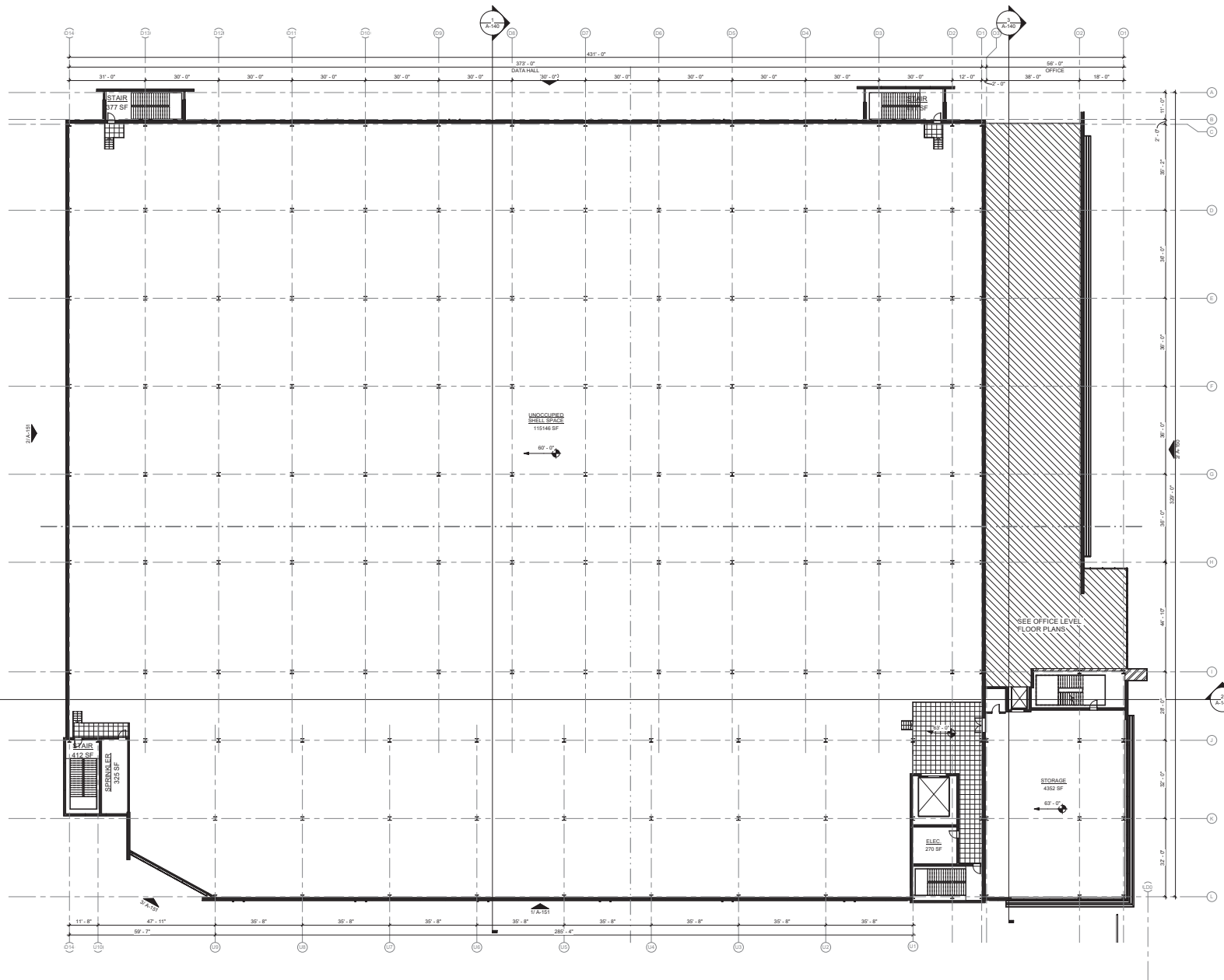


LEVEL 2 FLOOR PLAN

1/16" = 1'-0"
04.09.2020



A-122



PROPOSED

LOT SIZE - 400,038± SF - 9.18 ACRES

2 PROPOSED BUILDINGS - TYPE IIA
 BUILDING 1 - STORAGE II - 4 STORIES @ 118,230± SF GROSS - 472,920 SF±
 PARPAET - 87' 0" MID SLOPE OF ROOF - 83' 6"
 BUILDING 2 - STORAGE II - 6 STORIES @ 14,585± SF GROSS - 87,520 SF±
 PARPAET - 87' 0" MID SLOPE OF ROOF - 83' 6"

FAR - 1.40
 LOT COVERAGE - 143,300± SF - 36%
 OUTDOOR EQUIP STORAGE - 22,300± SF - 6%

GROSS BUILDING - 560,442± SF
 PROD. DATA HALL - 6 @ 19,780 SF = 118,680 SF
 DEV. DATA HALL - 6 @ 19,780 SF = 118,680 SF
 MECH GALLERY - 24 @ 3,536 SF = 84,860 SF
 UPS - 30 @ 2,275 SF = 68,250 SF
 OPEN OFFICE - 5,100 SF + 6,220 SF + 4 @ 9420 SF = 51,000 SF
 MISC. - 118,370 SF

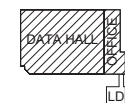
* PRODUCTION AND DEVELOPMENT DATA HALLS ARE IDENTIFIABLE BY THEIR BACKUP POWER GENERATION
 - PRODUCTION DATA HALL - BACKUP POWER GENERATION PROVIDED FOR 100% OF LOAD
 - DEVELOPMENT DATA HALL - NO BACKUP POWER GENERATION PROVIDED

Project Number: 19110.0000

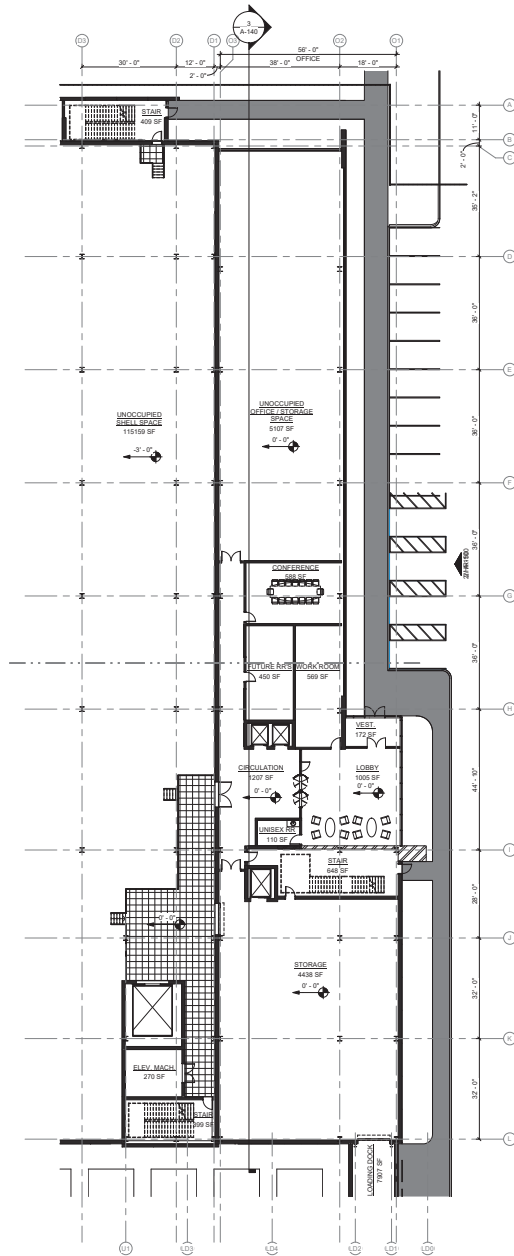


LEVEL 4 FLOOR PLAN

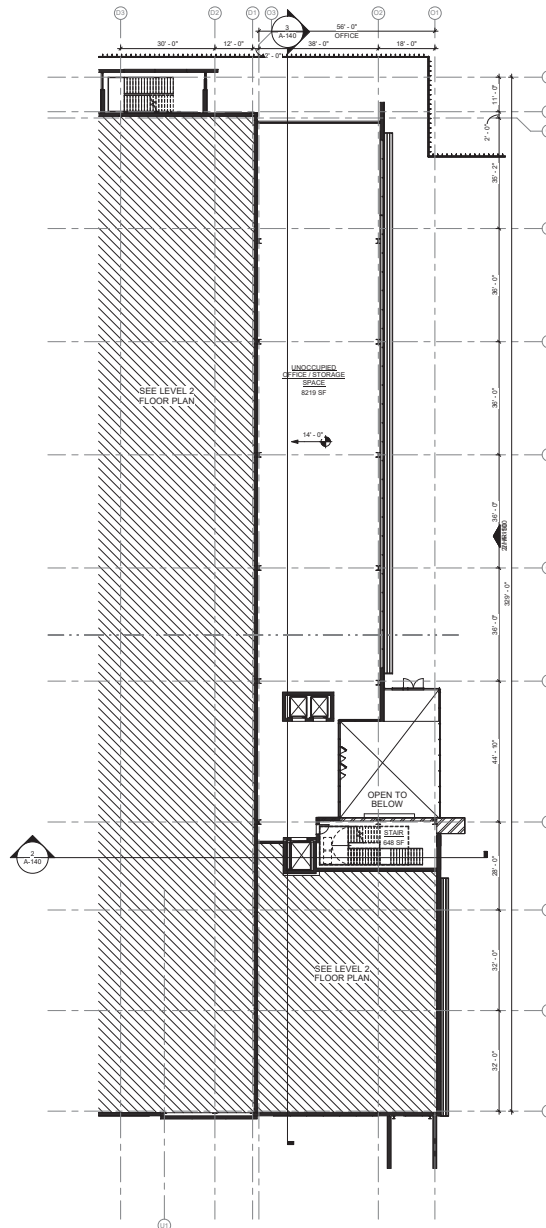
1/16" = 1'-0"
 04.09.2020



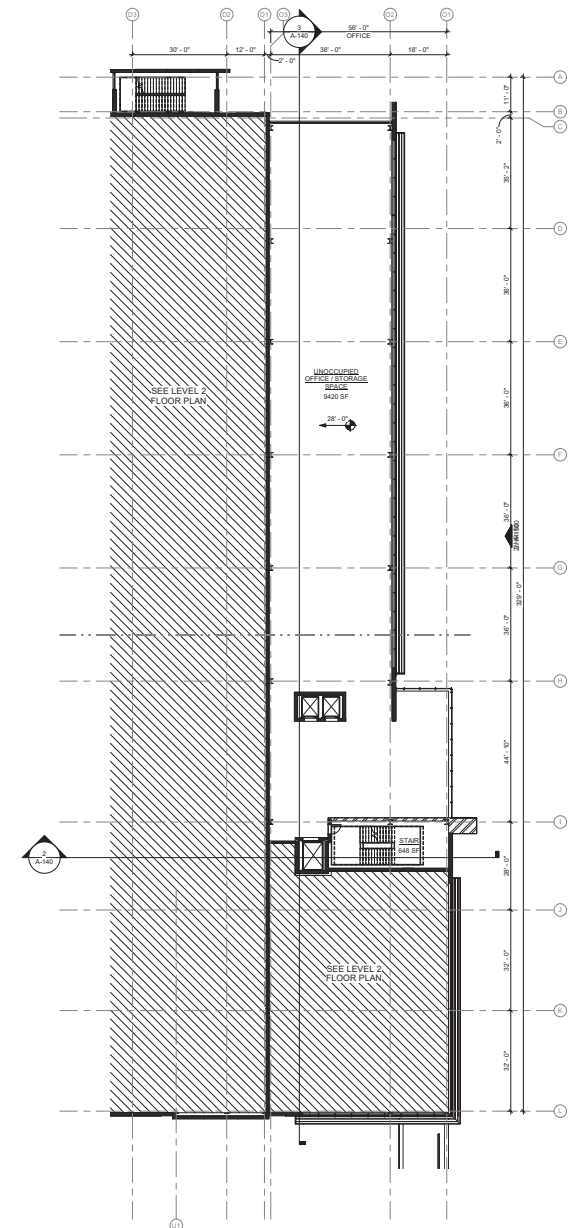
A-124



1 LEVEL 1 FLOOR PLAN - OFFICE
1/16" = 1'-0"



2 LEVEL 1.5 FLOOR PLAN - OFFICE
1/16" = 1'-0"



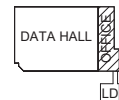
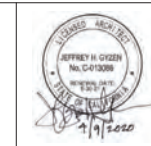
3 LEVEL 2.5 FLOOR PLAN - OFFICE
1/16" = 1'-0"

Project Number: 19110.0000

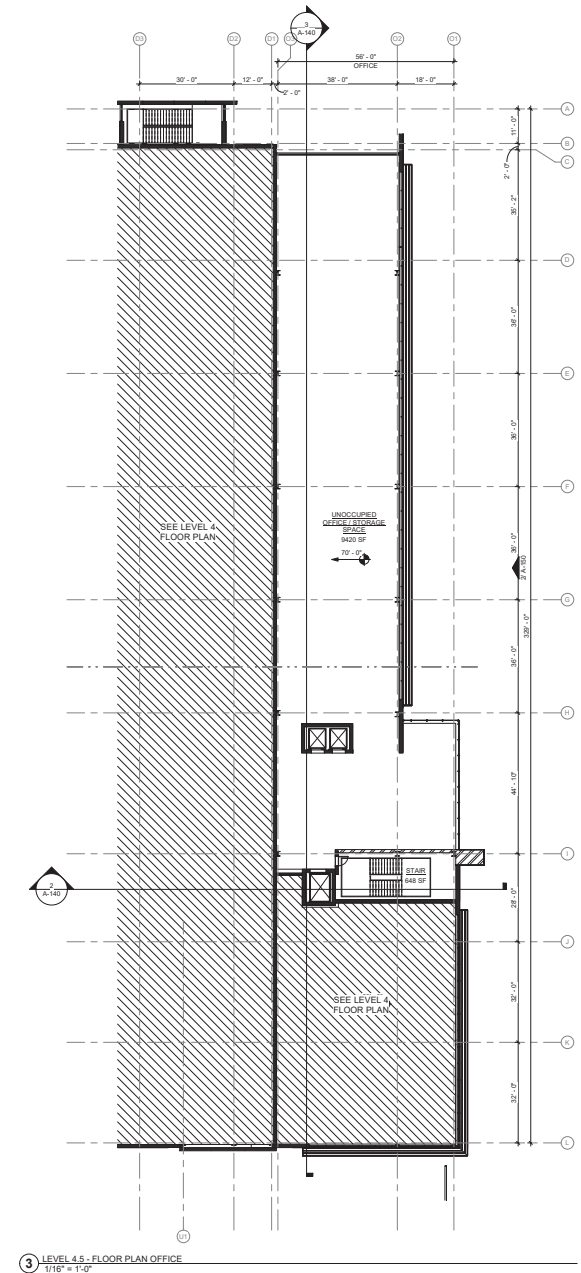
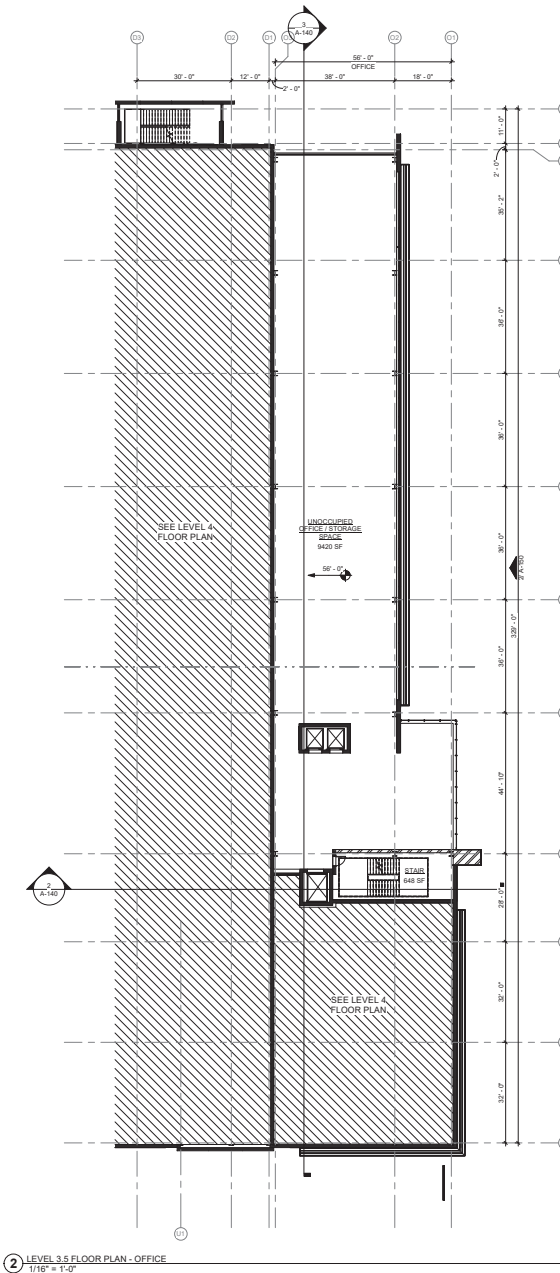
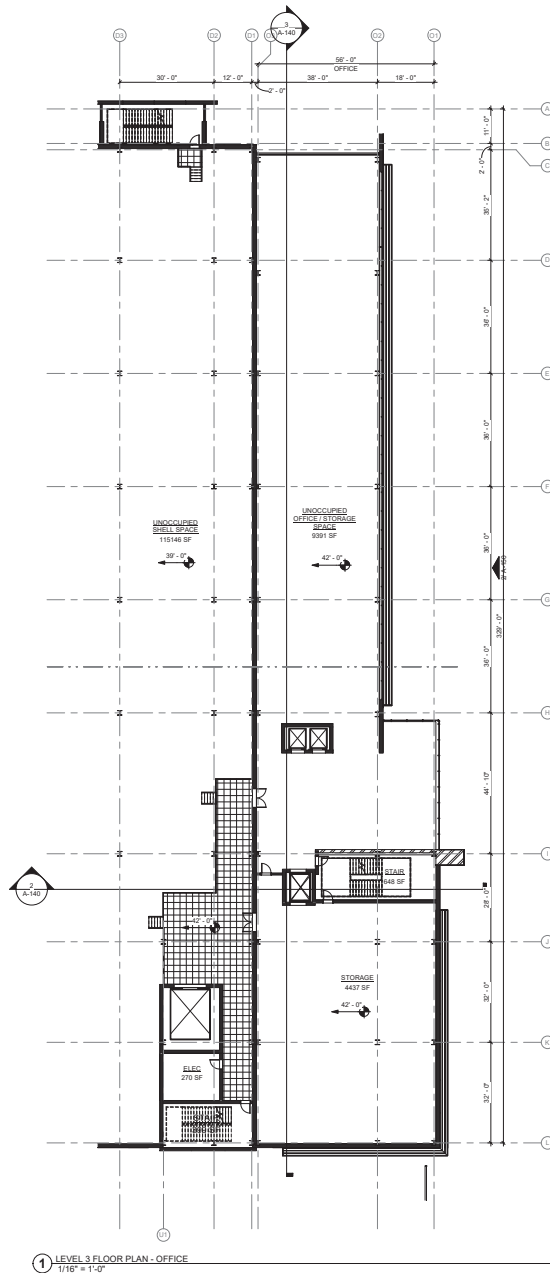


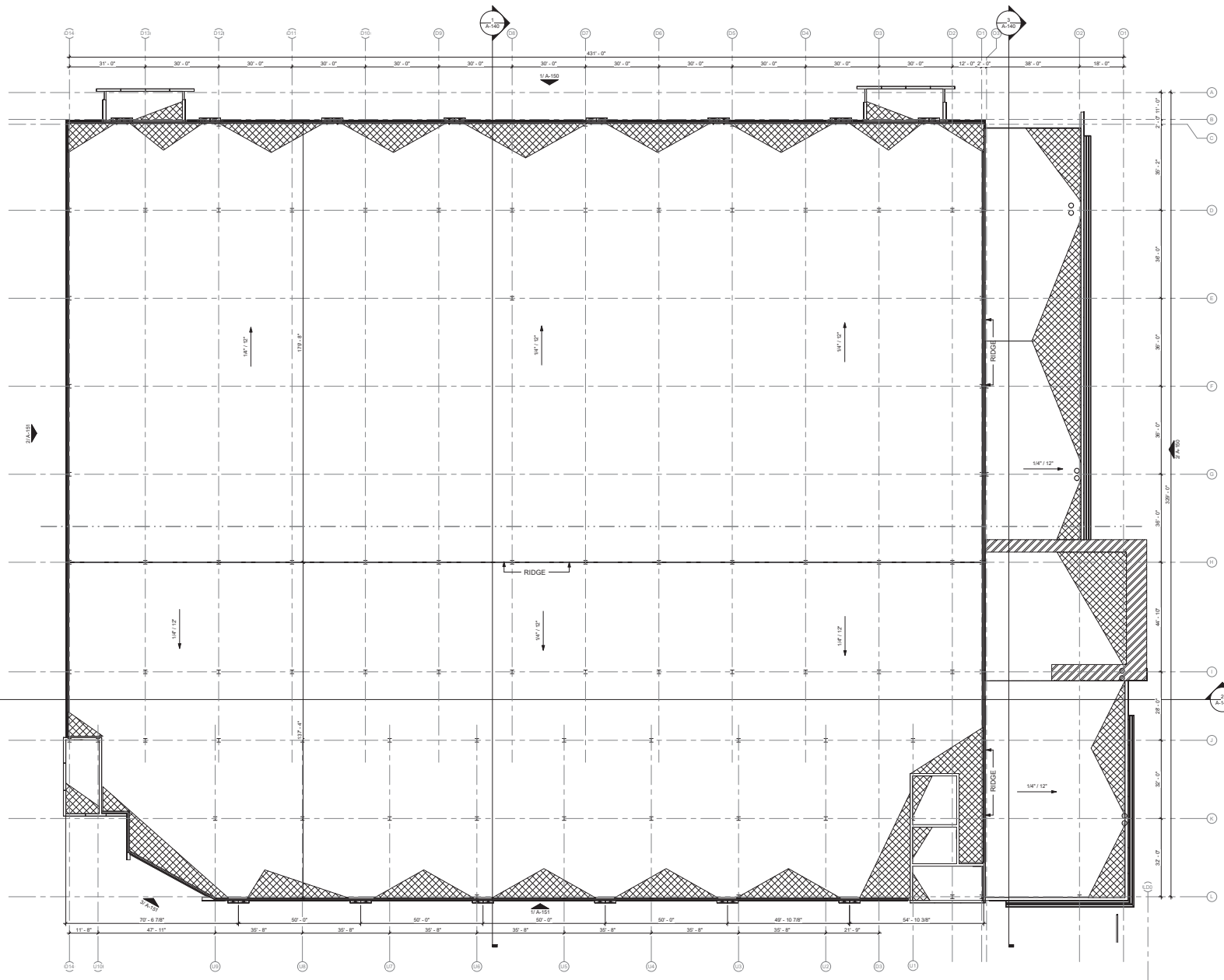
OFFICE LEVEL - FLOOR PLANS

1/16" = 1'-0"
04.09.2020



A-125





PROPOSED

LOT SIZE - 400,038± SF - 9.18 ACRES

2 PROPOSED BUILDINGS - TYPE IIA
 BUILDING 1 - STORAGE II - 4 STORIES @ 118,230± SF GROSS - 472,920 SF±
 PARAPET - 87' 0" MID SLOPE OF ROOF - 83' 6"
 BUILDING 2 - STORAGE II - 6 STORIES @ 14,585± SF GROSS - 87,520 SF±
 PARAPET - 87' 0" MID SLOPE OF ROOF - 83' 6"

FAR - 1.40
 LOT COVERAGE - 143,300± SF - 36%
 OUTDOOR EQUIP STORAGE - 22,300± SF - 6%

GROSS BUILDING - 560,440± SF
 PROD. DATA HALL - 6 @ 19,780 SF = 118,680 SF
 DEV. DATA HALL - 6 @ 19,780 SF = 118,680 SF
 MECH GALLERY - 24 @ 3,536 SF = 84,860 SF
 UPS - 30 @ 2,275 SF = 68,250 SF
 OPEN OFFICE - 5,100 SF + 8,220 SF + 4 @ 9420 SF = 51,000 SF
 MISC. - 118,370 SF

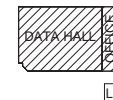
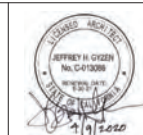
* PRODUCTION AND DEVELOPMENT DATA HALLS ARE IDENTIFIABLE BY THEIR BACKUP POWER GENERATION
 - PRODUCTION DATA HALL - BACKUP POWER GENERATION PROVIDED FOR 100% OF LOAD
 - DEVELOPMENT DATA HALL - NO BACKUP POWER GENERATION PROVIDED

Project Number: 19110.0000

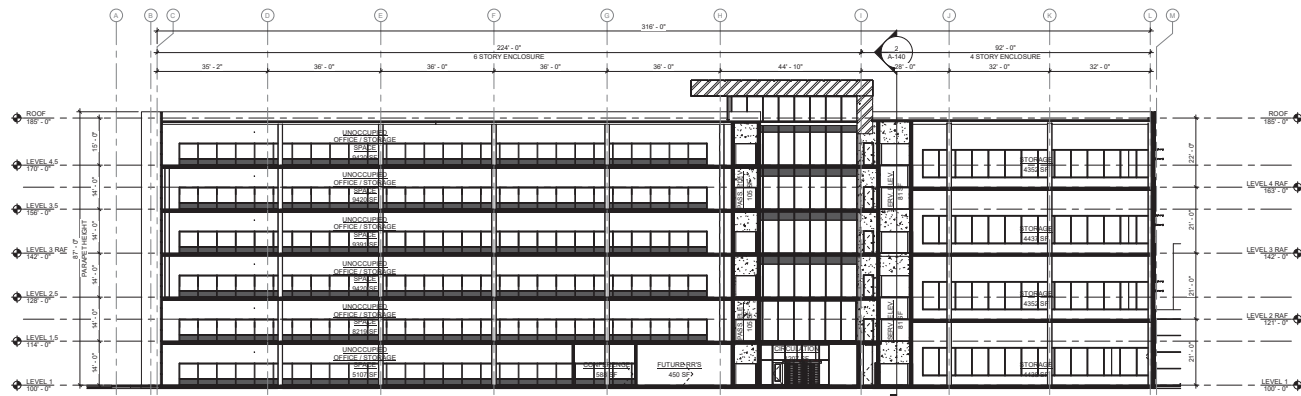


ROOF PLAN

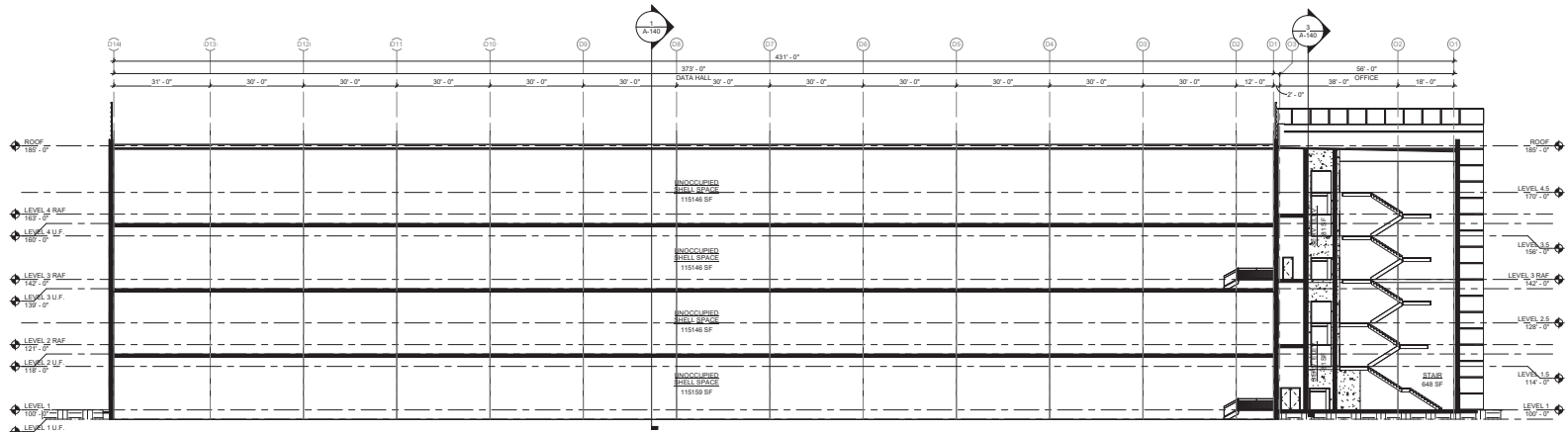
1/16" = 1'-0"
 04.09.2020



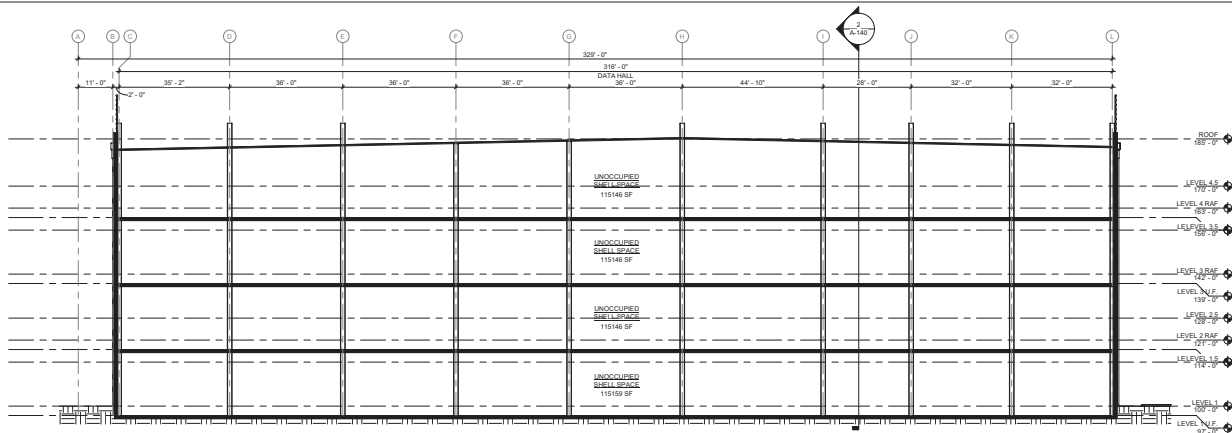
A-130



③ OFFICE SECTION - N-S
1/16" = 1'-0"



② BUILDING SECTION E-W
1/16" = 1'-0"



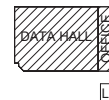
① DATA HALL SECTION N-S
N.T.S.

Project Number: 19110.0000

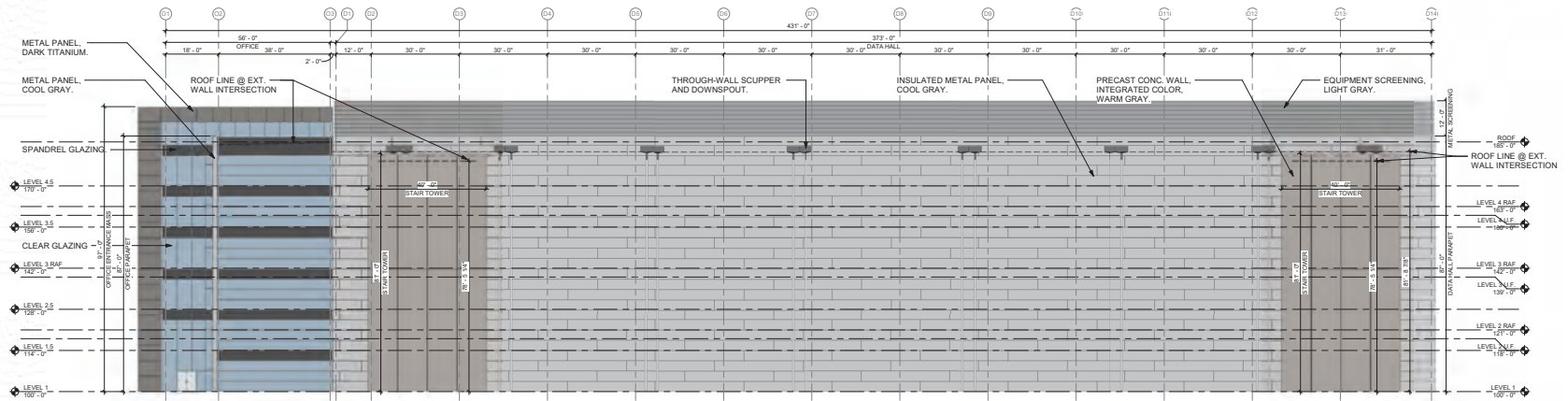


BUILDING SECTION

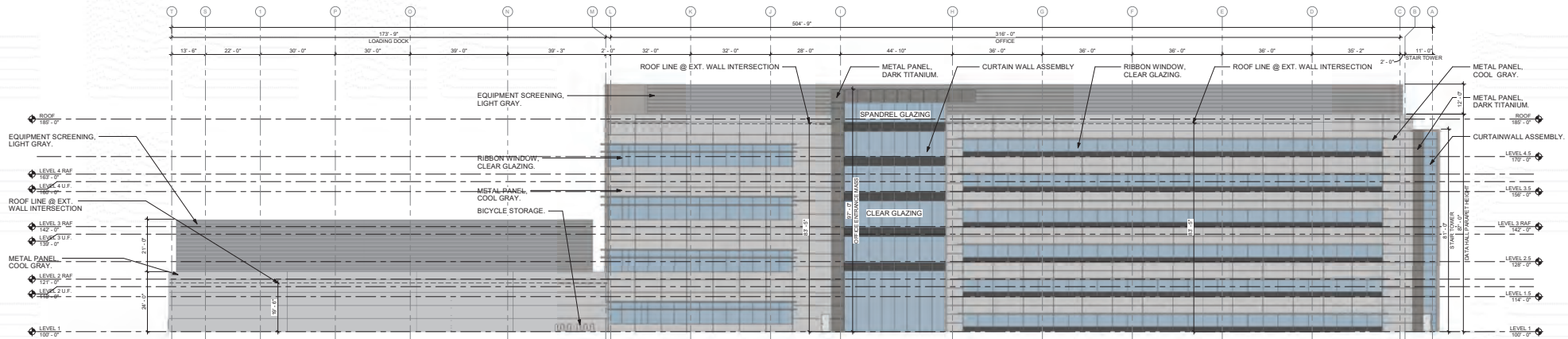
1/16" = 1'-0"
04.09.2020



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1 NORTH
1/16" = 1'-0"



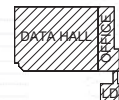
2 EAST
1/16" = 1'-0"

Project Number: 19110.0000

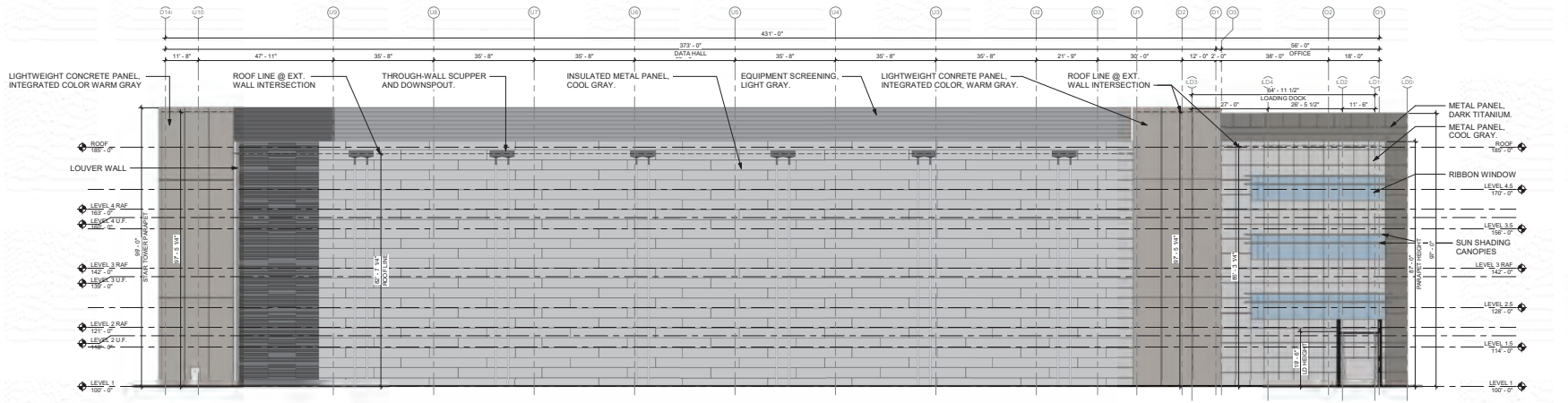


ELEVATIONS

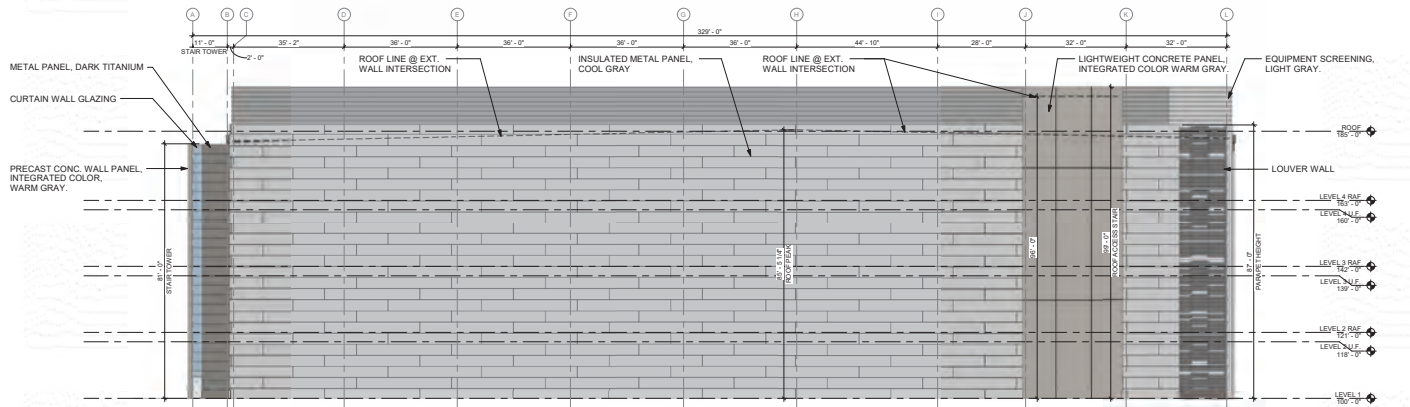
1/16" = 1'-0"
04.09.2020



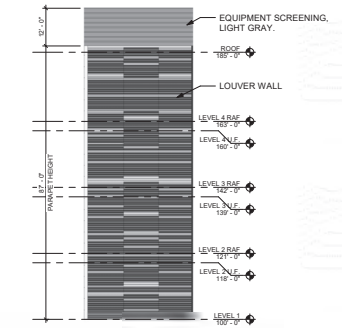
A-150



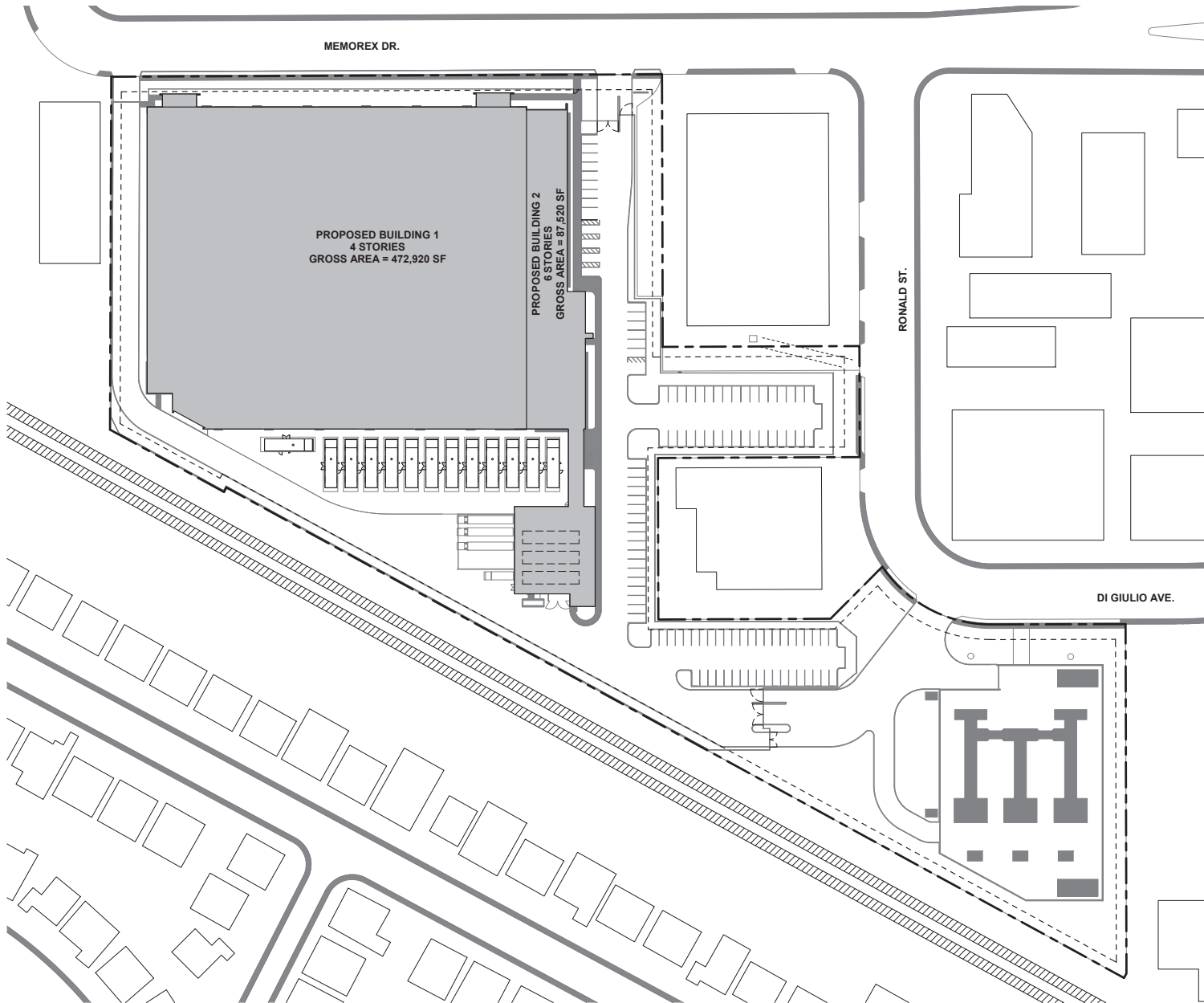
1 SOUTH
1/16" = 1'-0"



2 WEST
1/16" = 1'-0"



3 ELEVATION - SW CORNER
1/16" = 1'-0"



EXISTING

LOT SIZE - 400,038± SF - 9.18 ACRES

3 EXISTING BUILDINGS - TO BE DEMOLISHED

BUILDING 1 - FACTORY - 3 STORIES @ 116,679± SF BUILDING FOOTPRINT
 BUILDING 2 - FACTORY - 2 STORIES @ 22,996± SF BUILDING FOOTPRINT
 BUILDING 3 - STORAGE - 1 STORY @ 2,944± SF BUILDING FOOTPRINT
 LOT COVERAGE - 142,619± SF - 36%

PROPOSED

LOT SIZE - 400,038± SF - 9.18 ACRES

2 PROPOSED BUILDINGS - TYPE IIA
 BUILDING 1 - STORAGE II - 4 STORIES @ 118,230± SF GROSS - 472,920 SF±
 PARAPET - 87' 0" MID SLOPE OF ROOF - 83' 6"
 BUILDING 2 - STORAGE II - 6 STORIES @ 14,565± SF GROSS - 87,520 SF±
 PARAPET - 87' 0" MID SLOPE OF ROOF - 83' 6"

FAR - 1.40
 LOT COVERAGE - 143,300± SF - 36%
 OUTDOOR EQUIP STORAGE - 22,300± SF - 6%

GROSS BUILDING - 560,440± SF
 PROD. DATA HALL - 6 @ 19,780 SF = 118,680 SF
 DEV. DATA HALL - 16 @ 19,780 SF = 118,680 SF
 MECH GALLERY - 24 @ 3,536 SF = 84,860 SF
 UPS - 30 @ 2,275 SF = 68,250 SF
 OPEN OFFICE - 5,100 SF + 8,220 SF + 4 @ 9420 SF = 51,000 SF
 MISC. - 118,970 SF

* PRODUCTION AND DEVELOPMENT DATA HALLS ARE IDENTICAL BY THEIR BACKUP POWER GENERATION
 - PRODUCTION DATA HALL - BACKUP POWER GENERATION PROVIDED FOR 10% OF LOAD
 - DEVELOPMENT DATA HALL - NO BACKUP POWER GENERATION PROVIDED

PARKING

112 REQUIRED SPACES @ 1 PER 5,000 SF

113 PARKING SPACES PROVIDED
 56 PARKING SPACES
 41 COMPACT PARKING SPACES (C)
 11 CLEAN AIR VEHICLE PARKING SPACES (CAV)
 7 FUTURE EV CHARGING SPACES (EV)
 5 ADA ACCESSIBLE SPACES (ADA)

BICYCLE PARKING - 5% SHORT & LONG TERM
 6 SHORT TERM SPACES (ST)
 6 LONG TERM SPACES (LT)

PROPOSED

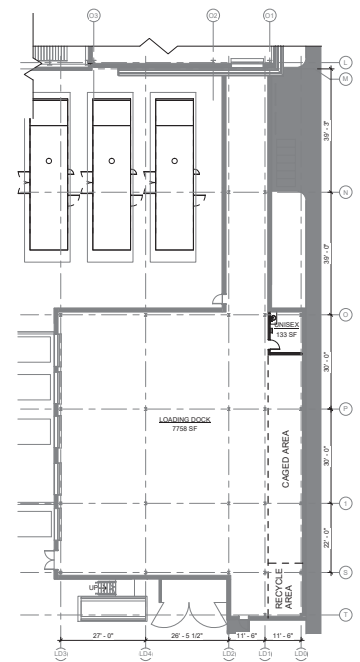
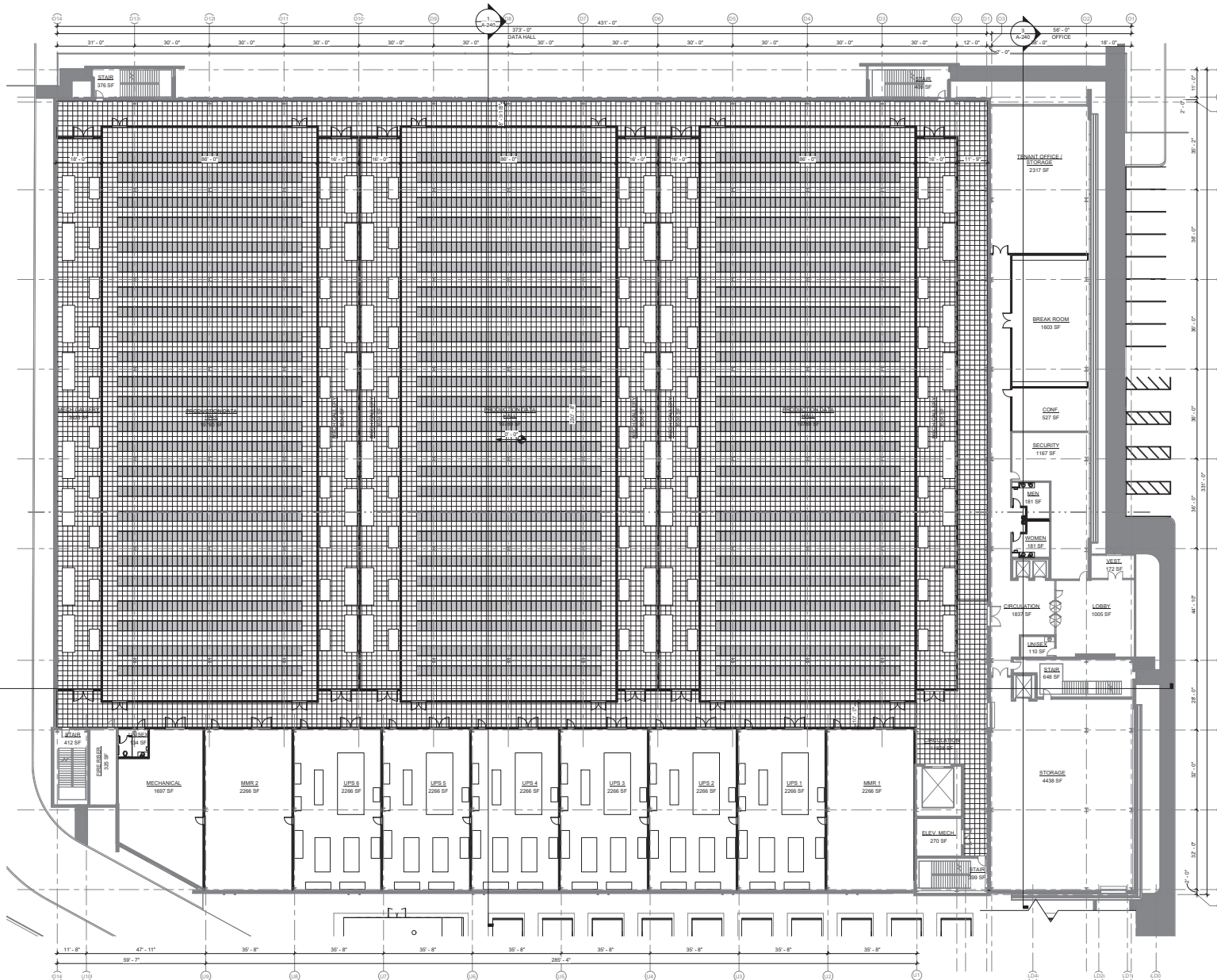
LOT SIZE - 400,038± SF = 9.18 ACRES

2 PROPOSED BUILDINGS - TYPE IIA
 BUILDING 1 - STORAGE II - 4 STORIES @ 118,230± SF GROSS - 472,920 SF±
 PARAPET - 87' 0" MID SLOPE OF ROOF - 83' 6"
 BUILDING 2 - STORAGE II - 6 STORIES @ 14,585± SF GROSS - 87,520 SF±
 PARAPET - 87' 0" MID SLOPE OF ROOF - 83' 6"

FAR - 1.40
 LOT COVERAGE - 143,300± SF - 36%
 OUTDOOR EQUIP STORAGE - 22,300± SF - 6%

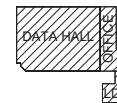
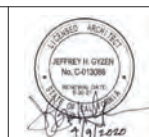
GROSS BUILDING - 560,440± SF
 PROD. DATA HALL - 6 @ 19,780 SF = 118,680 SF
 DEV. DATA HALL - 6 @ 19,780 SF = 118,680 SF
 MECH GALLERY - 24 @ 3,536 SF = 84,864 SF
 UPS - 30 @ 2,275 SF = 68,250 SF
 OPEN OFFICE - 5,100 SF + 8,220 SF + 4 @ 9420 SF = 51,000 SF
 MISC. - 118,970 SF

* PRODUCTION AND DEVELOPMENT DATA HALLS ARE IDENTIFIABLE BY THEIR BACKUP POWER GENERATION
 - PRODUCTION DATA HALL - BACKUP POWER GENERATION PROVIDED FOR 100% OF LOAD
 - DEVELOPMENT DATA HALL - NO BACKUP POWER GENERATION PROVIDED



LEVEL 1 FLOOR PLAN - MP

1/16" = 1'-0"
 04.09.2020



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SKYBOX

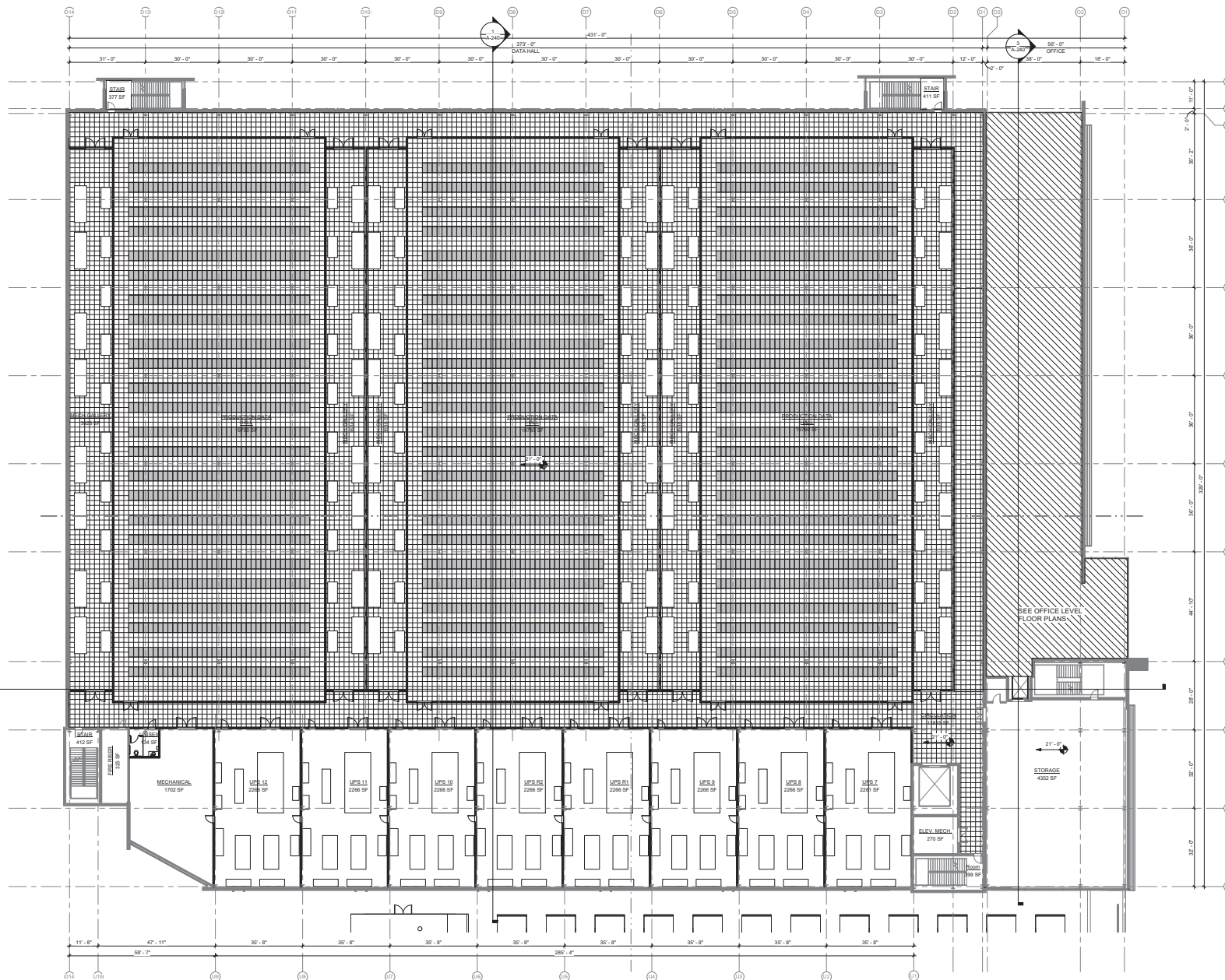
CORGAN

R G METS AND CORING INC.

CRITICAL
 ENERGY SOLUTIONS

KW

REED ASSOCIATES
 CONSULTING ENGINEERS



PROPOSED

LOT SIZE - 400,038± SF - 9.18 ACRES

2 PROPOSED BUILDINGS - TYPE IIA

BUILDING 1 - STORAGE II - 4 STORIES @ 118,230± SF GROSS - 472,920 SF±
 PARAPET - 87' 0" MID SLOPE OF ROOF - 83' 6"
 BUILDING 2 - STORAGE II - 6 STORIES @ 14,585± SF GROSS - 87,520 SF±
 PARAPET - 87' 0" MID SLOPE OF ROOF - 83' 6"

FAR - 1.40

LOT COVERAGE - 143,300± SF - 36%

OUTDOOR EQUIP STORAGE - 22,300± SF - 6%

GROSS BUILDING - 560,440± SF

PROD. DATA HALL - 6 @ 19,780 SF = 118,680 SF

DEV. DATA HALL - 6 @ 19,780 SF = 118,680 SF

MECH GALLERY - 24 @ 3,536 SF = 84,860 SF

UPS - 30 @ 2,275 SF = 68,250 SF

OPEN OFFICE - 5,100 SF + 8,220 SF + 4 @ 9420 SF = 51,000 SF

MISC - 118,370 SF

* PRODUCTION AND DEVELOPMENT DATA HALLS ARE IDENTIFIABLE BY THEIR BACKUP POWER GENERATION

- PRODUCTION DATA HALL - BACKUP POWER GENERATION PROVIDED FOR 100% OF LOAD

- DEVELOPMENT DATA HALL - NO BACKUP POWER GENERATION PROVIDED

Project Number: 19110.0000



LEVEL 2 FLOOR PLAN - MP

1/16" = 1'-0"

04.09.2020



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LOT SIZE - 400,038± SF - 9.18 ACRES

2 PROPOSED BUILDINGS - TYPE IIA

BUILDING 1 - STORAGE II - 4 STORIES @ 118,230± SF	GROSS - 472,920 SF±
PARAPET - 87' 0" MID SLOPE OF ROOF - 83' 6"	
BUILDING 2 - STORAGE II - 6 STORIES @ 14,585± SF	GROSS - 87,520 SF±
PARAPET - 87'0" MID SLOPE OF ROOF - 83' 6"	

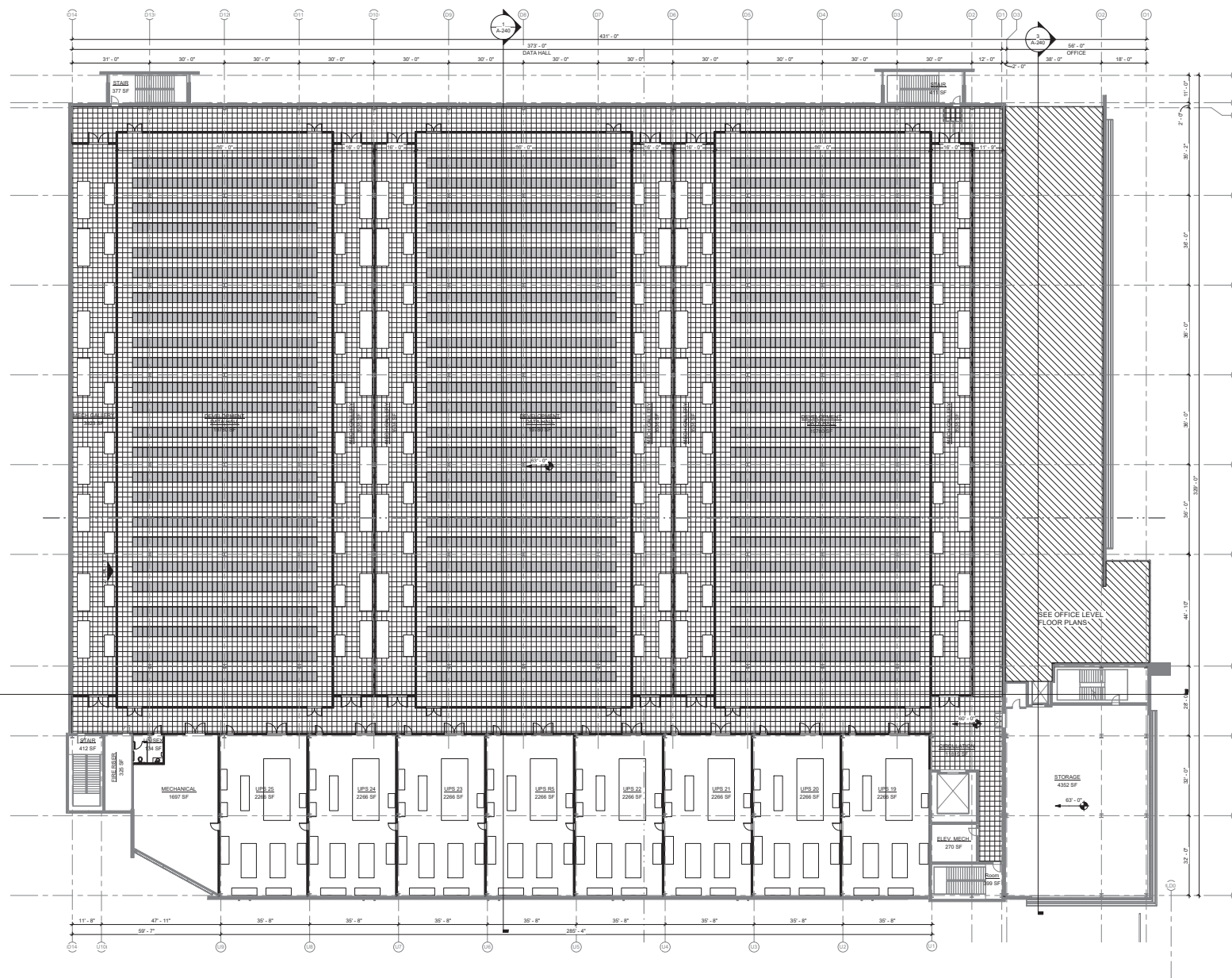
FAR - 1.40
LOT COVERAGE - 143,300± SF - 36%
OUTDOOR EQUIP STORAGE - 22,300± SF - 6%

GROSS BUILDING - 560,440± SF

PROD. DATA HALL	- 6 @ 19,780 SF = 118,680SF
DEV. DATA HALL	- 6 @ 19,780 SF = 118,680 SF
MECH GALLERY	- 24 @ 3,536 SF = 84,860 SF
UPS	- 30 @ 2,275 SF = 68,250 SF
OPEN OFFICE	- 5,100 SF + 8,220 SF + 4 @ 9420 SF = 51,000 SF

* PRODUCTION AND DEVELOPMENT DATA HALLS ARE IDENTIFIABLE BY THEIR BACKUP POWER GENERATION

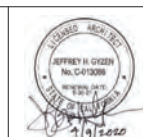
PRODUCTION DATA HALL	BACKUP POWER GENERATION PROVIDED FOR 100% OF LOAD
DEVELOPMENT DATA HALL	NO BACKUP POWER GENERATION PROVIDED



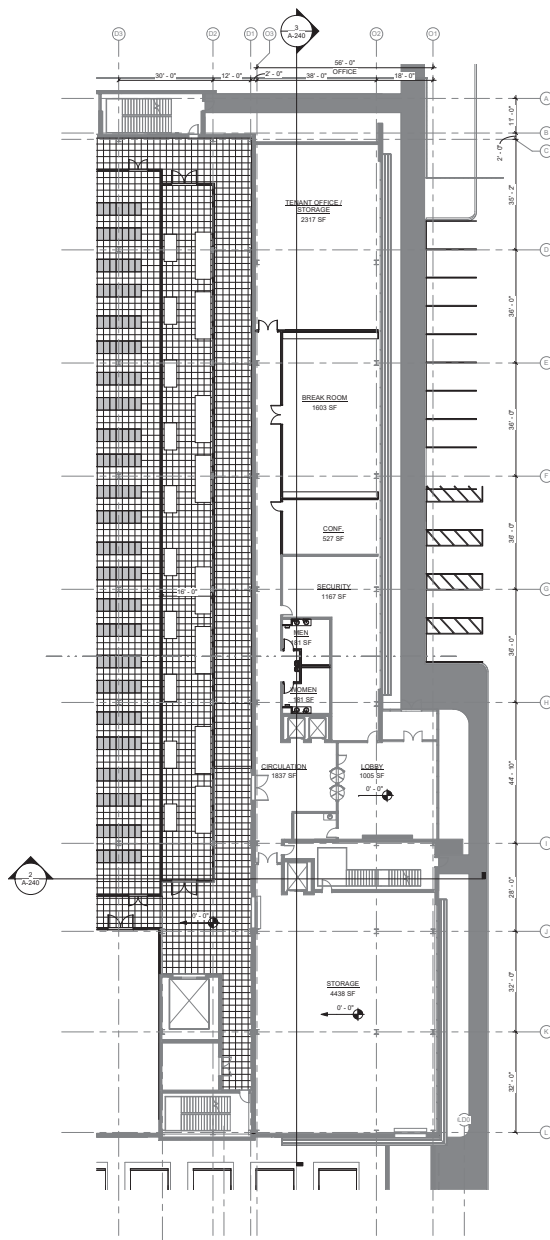
Project Number: 19110.0000



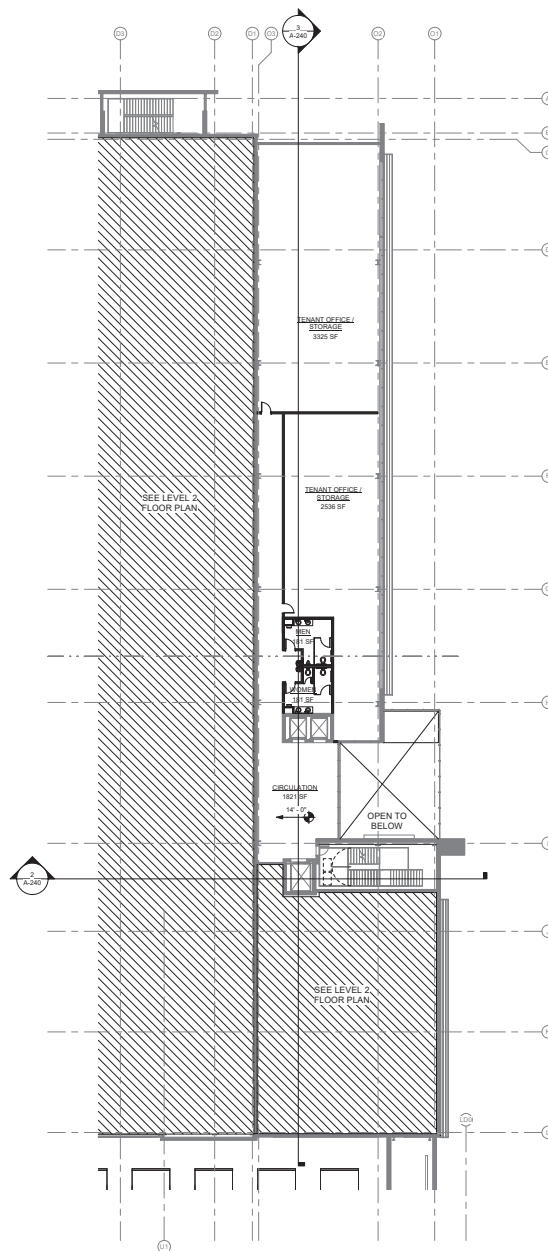
1/16" = 1'-0"
04.09.2020



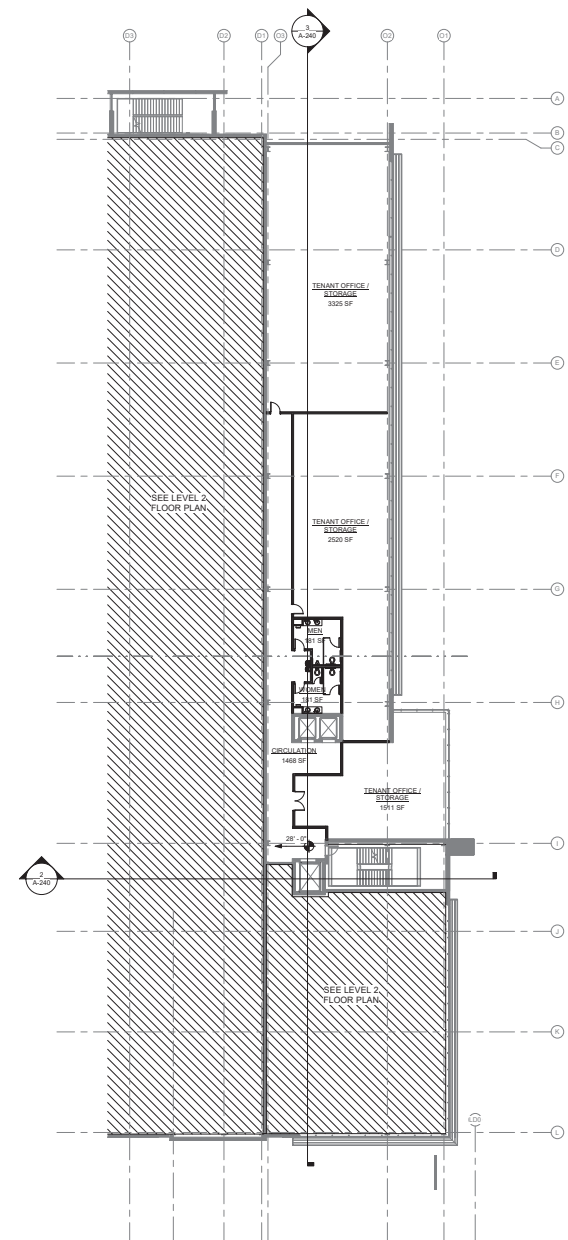
A-224



① LEVEL 1.5 FLOOR PLAN - OFFICE - MP
1/16" = 1'-0"



② LEVEL 1.5 FLOOR PLAN - OFFICE - MP
1/16" = 1'-0"



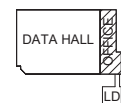
③ LEVEL 2.5 FLOOR PLAN - OFFICE - MP
1/16" = 1'-0"

Project Number: 19110.0000



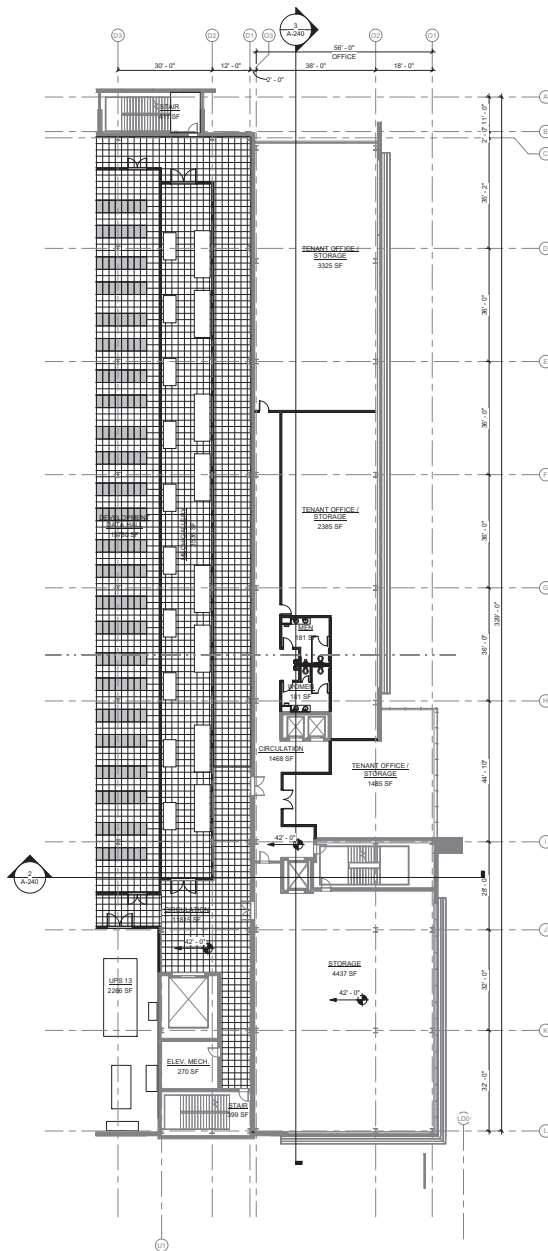
OFFICE LEVEL - FLOOR PLANS - MP

1/16" = 1'-0"
04.09.2020

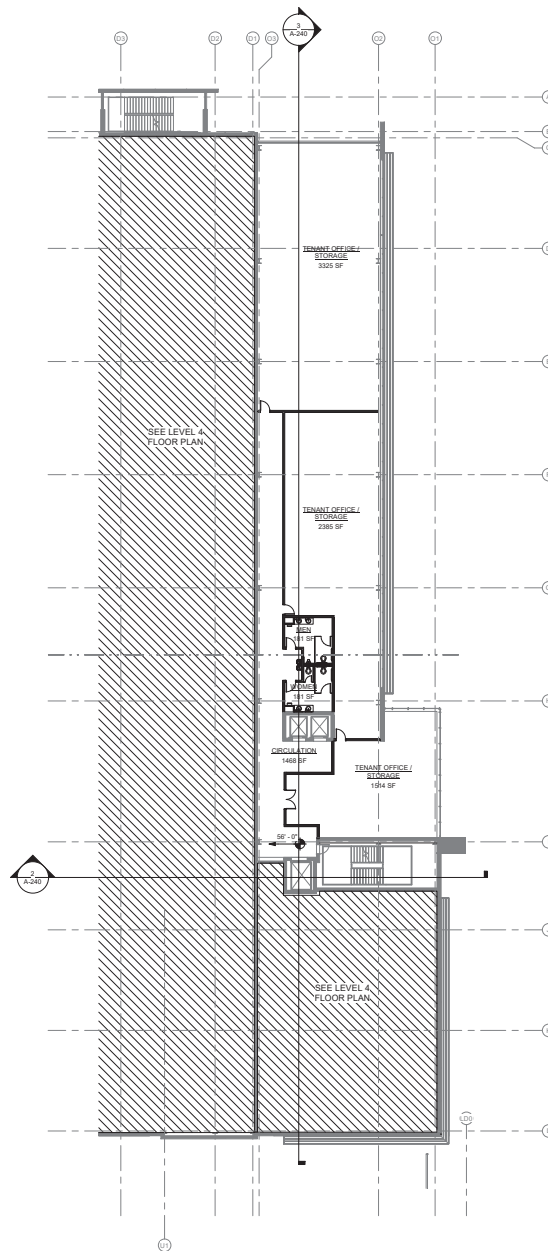


A-225

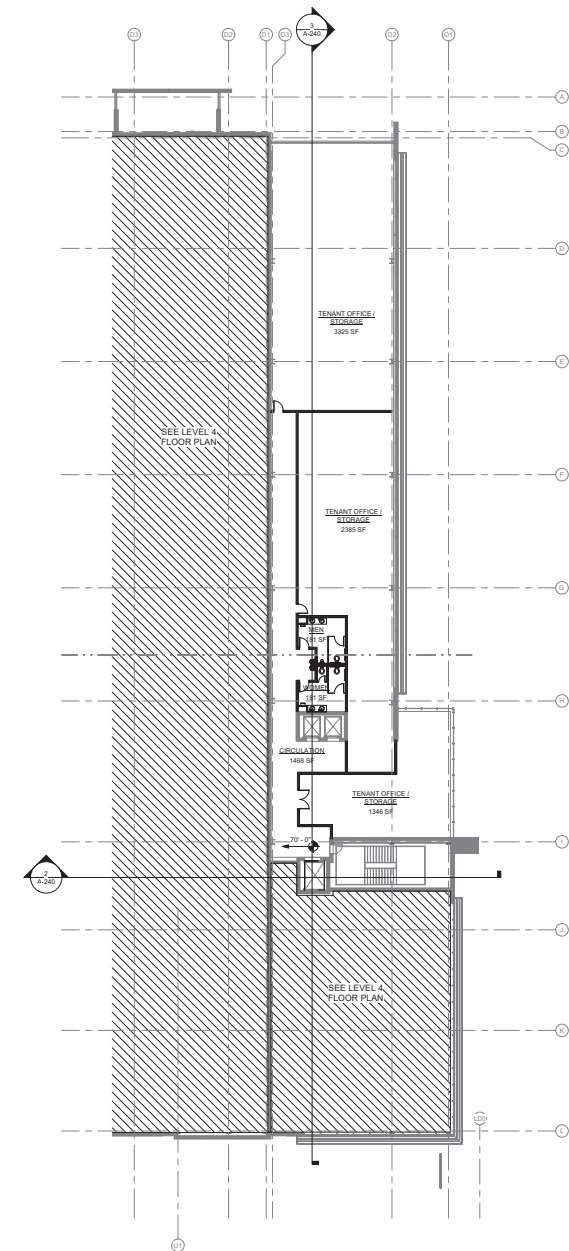




1 LEVEL 3 FLOOR PLAN - OFFICE - MP
1/16" = 1'-0"



2 LEVEL 3.5 FLOOR PLAN - OFFICE - MP
1/16" = 1'-0"



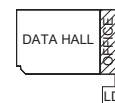
3 LEVEL 4.5 FLOOR PLAN OFFICE - MP
1/16" = 1'-0"

Project Number: 19110.0000

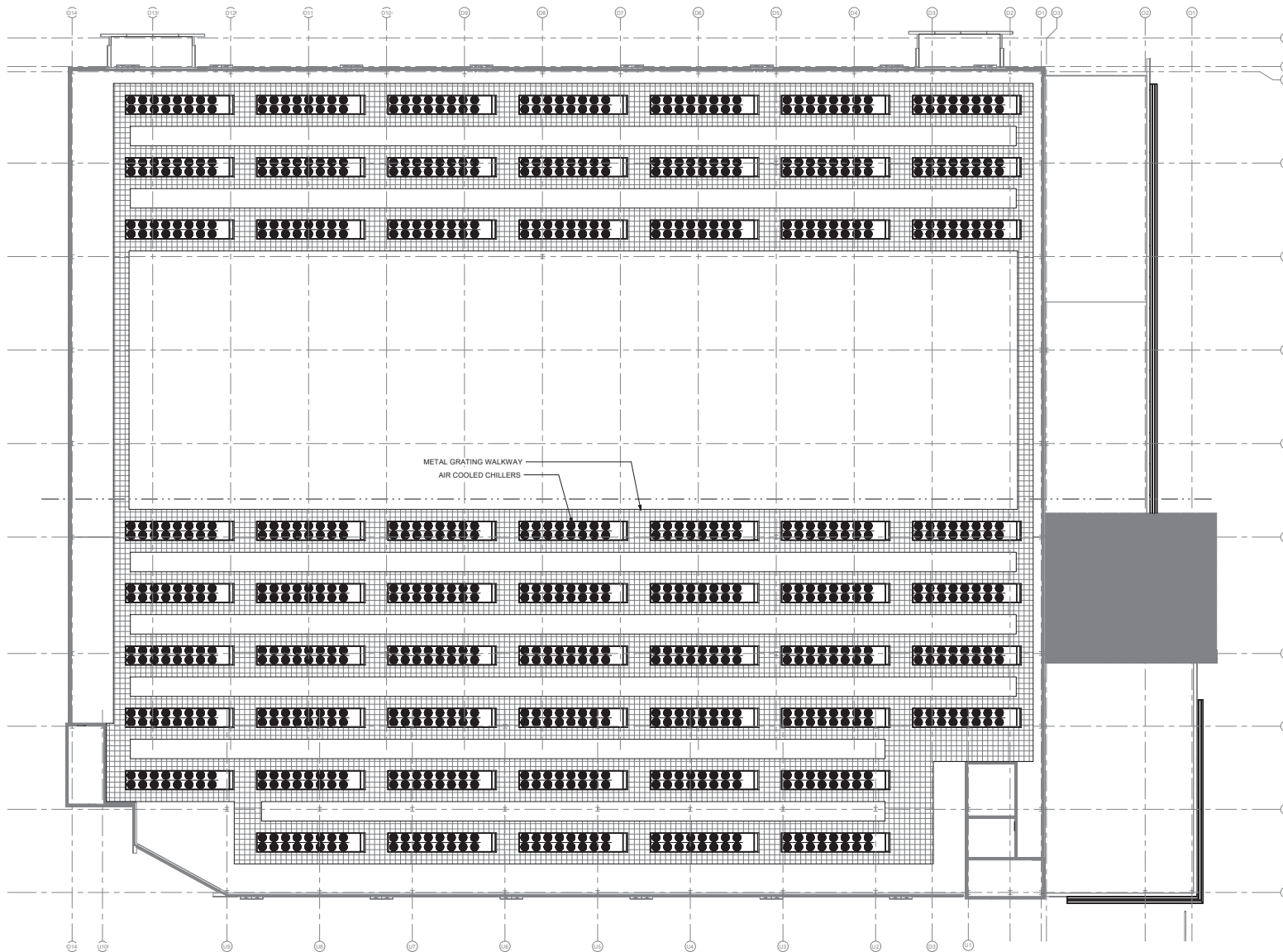


OFFICE LEVEL - FLOOR PLANS - MP

1/16" = 1'-0"
04.09.2020



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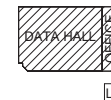


Project Number: 19110.0000

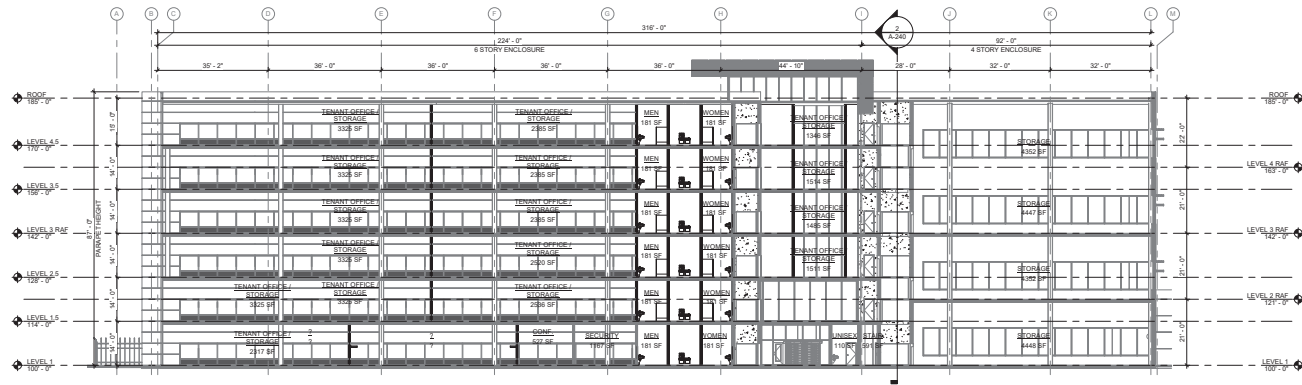


ROOFTOP EQUIPMENT PLAN - MP

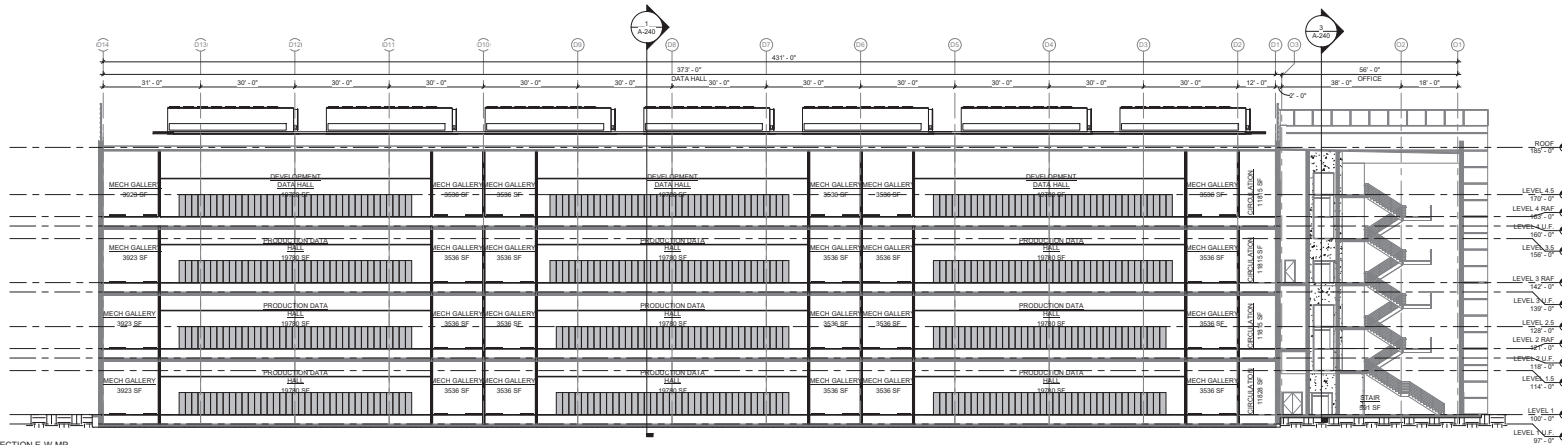
1/16" = 1'-0"
04.09.2020



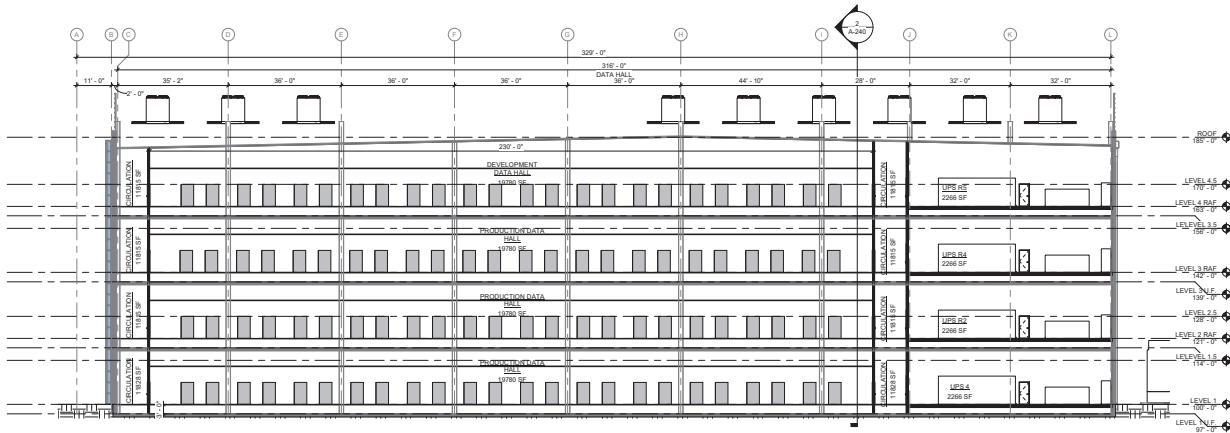
A-230



③ OFFICE SECTION - N-S MP
1/16" = 1'-0"



② BUILDING SECTION E-W MP
1/16" = 1'-0"



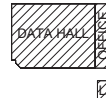
① BUILDING SECTION N-S MP
1/16" = 1'-0"

Project Number: 19110.0000



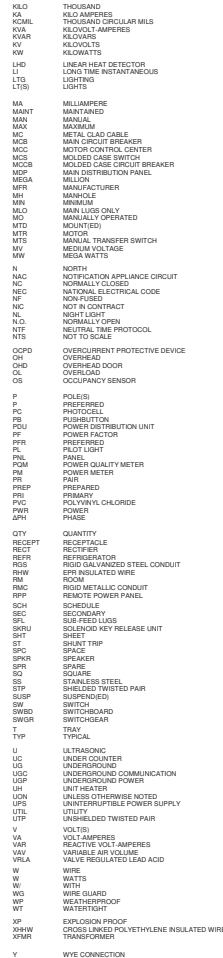
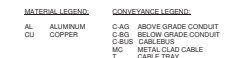
BUILDING SECTION - MP

1/16" = 1'-0"
04.09.2020



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ABBREVIATIONS



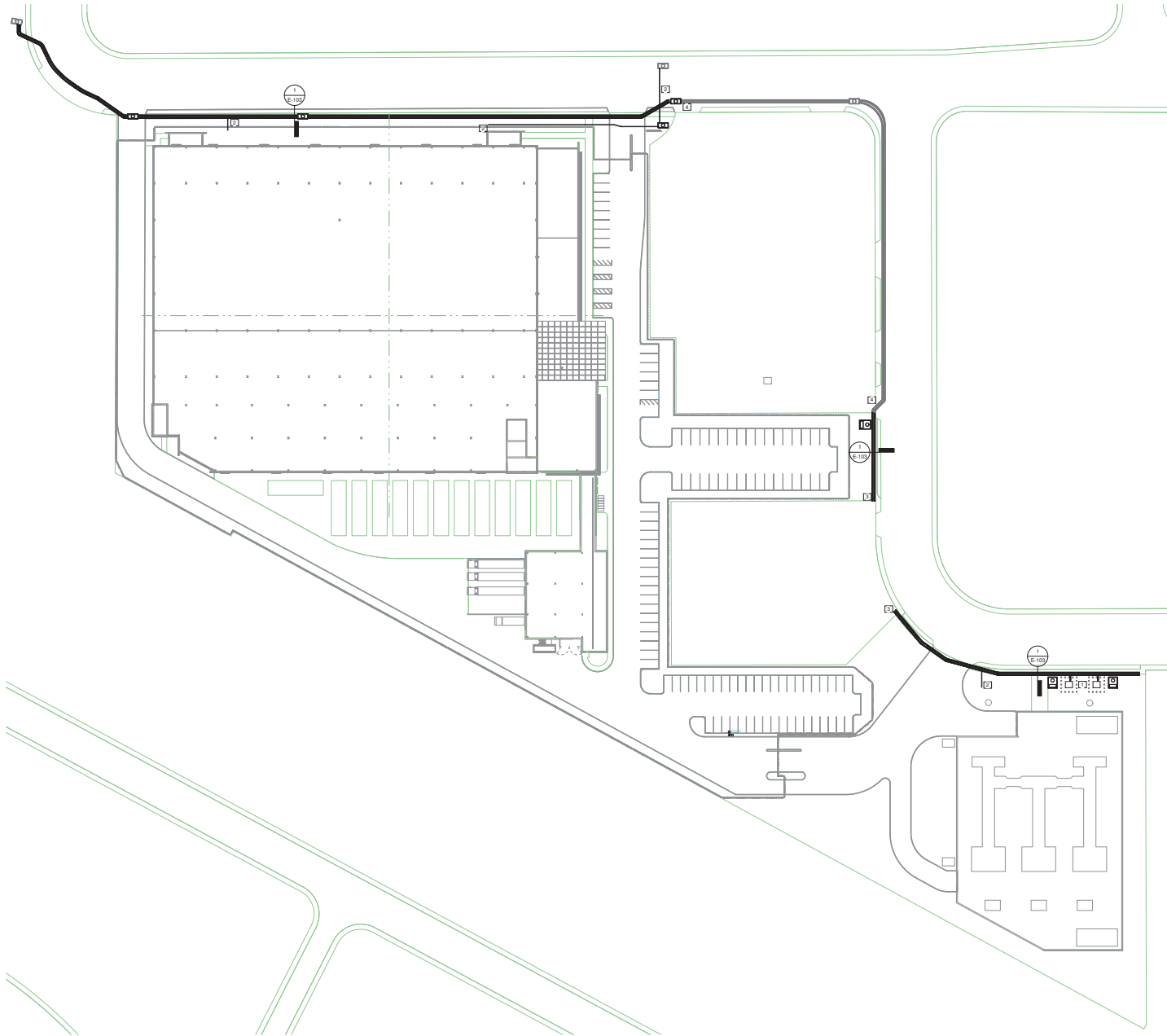
NEW WORK

FUTURE WORK

EXISTING WORK

KEYED NOTES

1. PROVIDE TWO (2) SVP PHE TRANSFORMER PADS IN VICINITY FOR SVP CONTROL ROOM POWER DIVERSE 120V SOURCES REQUIRED. REFERENCE SVP-UD10007 FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE (1) 4" FC FOR SVP FIBER OPTIC CONNECTION.
3. TIE INTO EXISTING DUCTBANK AT INDICATED LOCATION.
4. SCOPE OF WORK BY OTHERS.

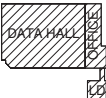


Project Number: 19.161



ELECTRICAL SITE ROUTING PLAN

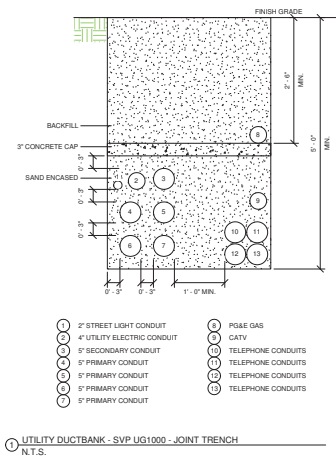
1" = 40'-0"
03.17.2020

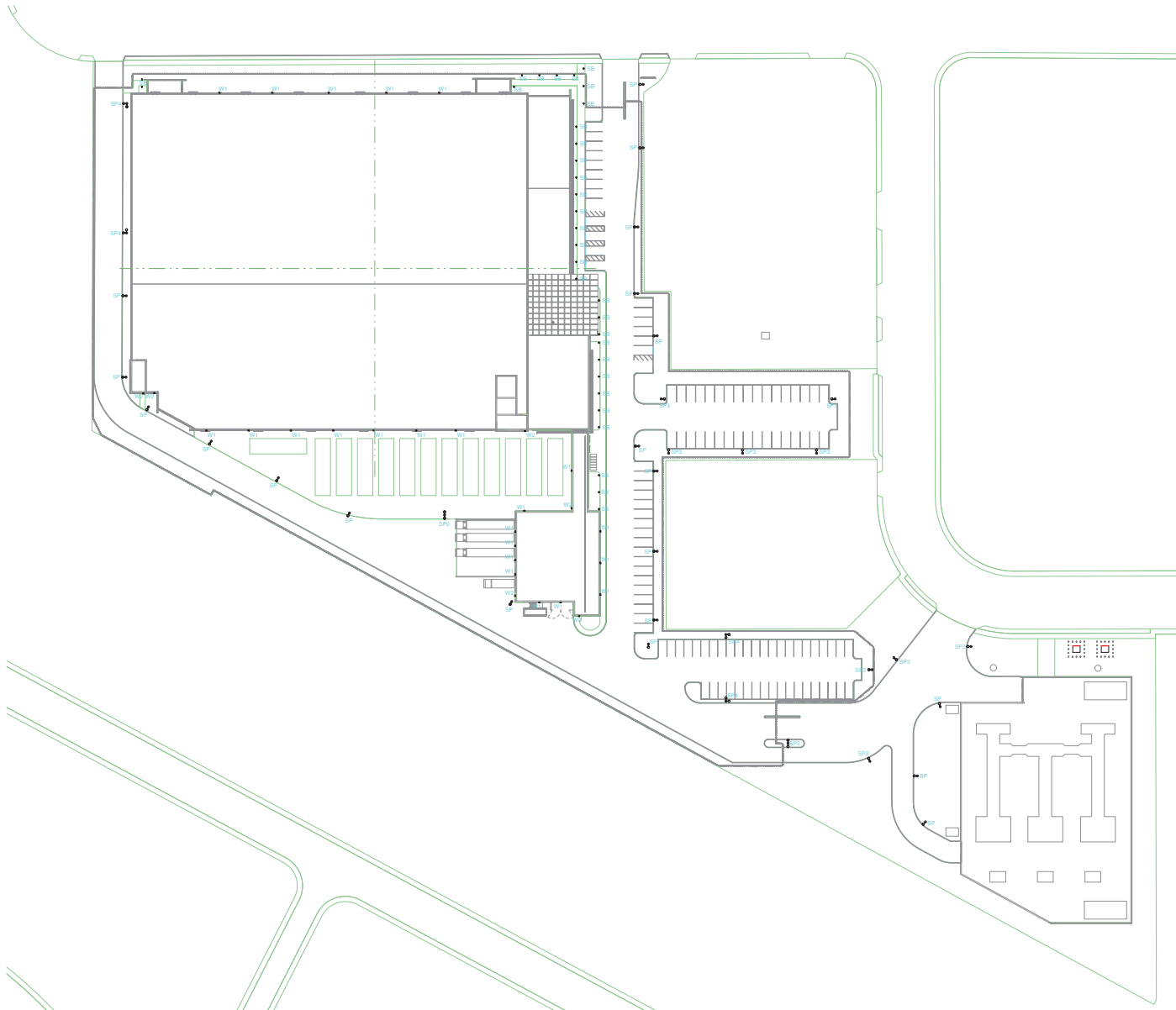


E-102



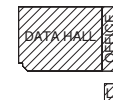
ELECTRICAL SITE DETAILS
N.T.S.
03.17.2020

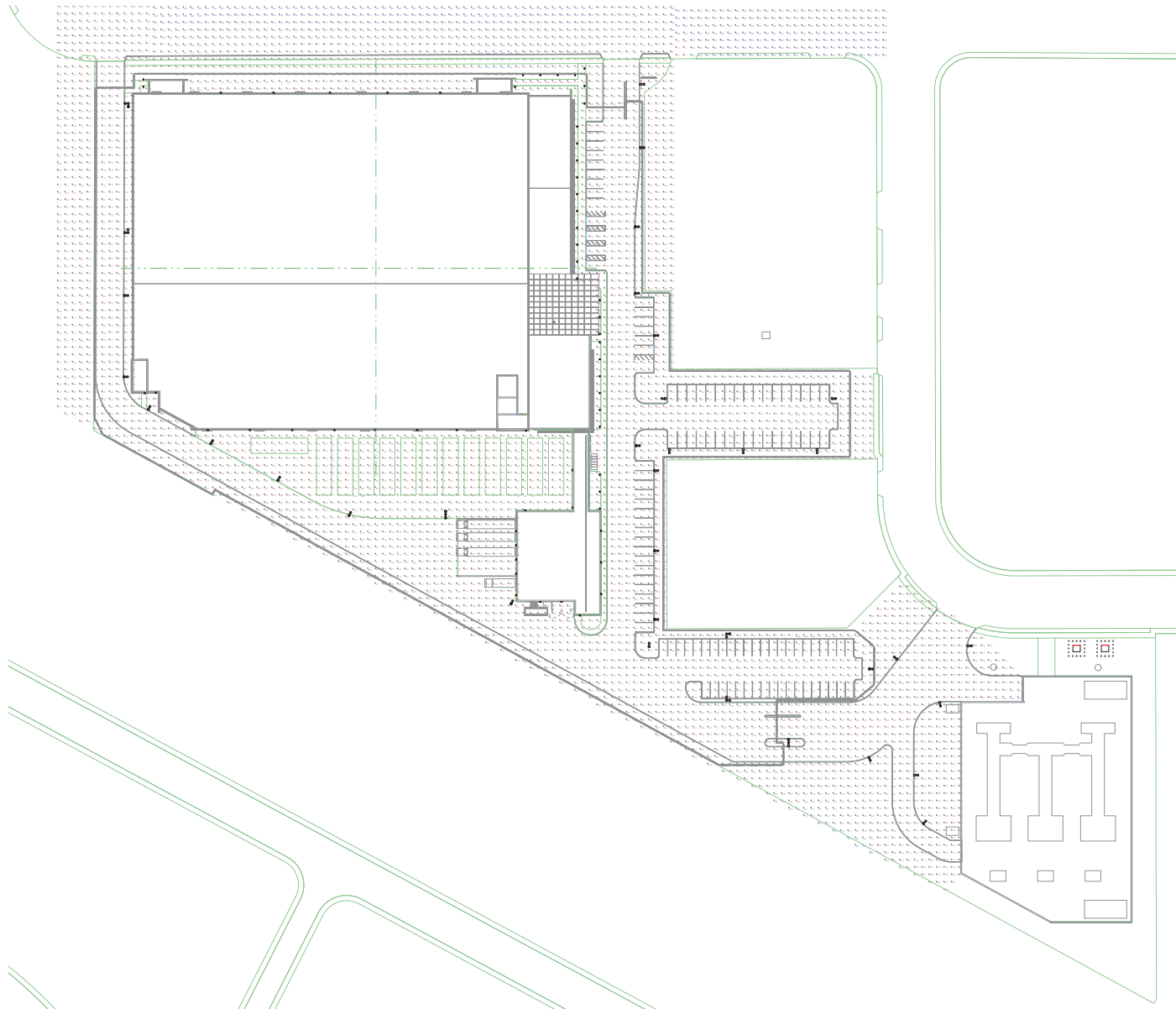




ELECTRICAL SITE LIGHTING PLAN

1" = 40'-0"
03.17.2020

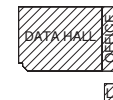




SITE LIGHTING PHOTOMETRICS

1" = 40'-0"
03.17.2020

03.17.2020



LUMINAIRE SCHEDULE									
Fixture Type	Manufacturer	Cat. No.	Description	Lamp Count	Lamp Type	Input Voltage	Wattage	Mounting	
S8	LITHONIA	W8R LED 160 50 40K 6YN MVOLT	SPECIFICATION LED BOLLARD WITH SYMMETRIC DISTRIBUTION, 8" DIAMETER, 40" HEIGHT	1	4000K LED MODULE, 1600 LUMEN OUTPUT	MVOLT	20W	MOUNTED 3'-6" ABOVE FINISHED GRADE U.O.N.	
SP	OSIRIS GARDCO	H14L4BL700-NW-Q2-2	FOUR TEN SQUARE AREA LED, 48 LED's, 4000K CCT, TYPE 8 OPTIC, GLASS LENS	1	4000K LED MODULE, 8476 LUMEN OUTPUT	277V	110W	POLE MOUNTED 20'-0" ABOVE FINISHED GRADE U.O.N.	
SP2	OSIRIS GARDCO	H14L4BL700-NW-Q2-2	FOUR TEN SQUARE AREA LED, 48 LED's, 4000K CCT, TYPE 8 OPTIC, GLASS LENS TWO HEAD OPTION 180 DEGREE ORIENTATION	2	4000K LED MODULE, 8476 LUMEN OUTPUT	277V	110W	POLE MOUNTED 20'-0" ABOVE FINISHED GRADE U.O.N.	
SP3	OSIRIS GARDCO	H14L4BL700-NW-Q2-3	FOUR TEN SQUARE AREA LED, 48 LED's, 4000K CCT, TYPE 8 OPTIC, GLASS LENS	1	4000K LED MODULE, 11448 LUMEN OUTPUT	277V	110W	POLE MOUNTED 20'-0" ABOVE FINISHED GRADE U.O.N.	
SP4	OSIRIS GARDCO	H14L4BL700-NW-Q2-2	FOUR TEN SQUARE AREA LED, 48 LED's, 4000K CCT, TYPE 8 OPTIC, GLASS LENS TWO HEAD OPTION 90 DEGREE ORIENTATION	2	4000K LED MODULE, 8476 LUMEN OUTPUT	277V	110W	POLE MOUNTED 20'-0" ABOVE FINISHED GRADE U.O.N.	
W1	LITHONIA	W8T LED P1 40K VF MVOLT	EXTERIOR LED WALL MOUNT, VISUAL COMFORT, FORWARD THROW	1	4000K LED MODULE, 1500 LUMEN OUTPUT	MVOLT	12W	MOUNTED 16'-0" ABOVE FINISHED FLOOR U.O.N.	
W2	LITHONIA	W8T LED P1 40K VF MVOLT	EXTERIOR LED DOOR PACK, VISUAL COMFORT, FORWARD THROW	1	4000K LED MODULE, 1500 LUMEN OUTPUT	MVOLT	12W	MOUNTED 1'-0" OVER DOOR U.O.N.	



LUMINAIRE SCHEDULE

03.17.2020

