



NEW EPI BUILDING

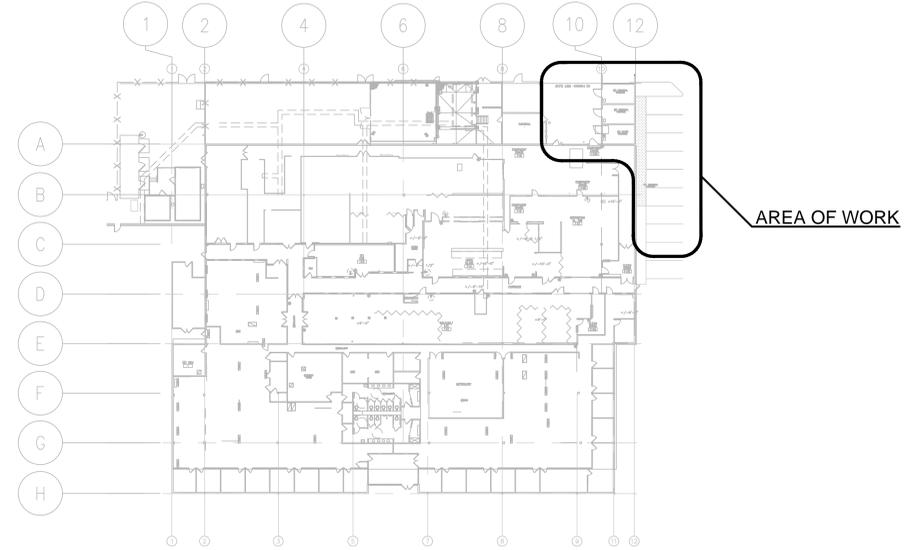
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SITE



KEY PLAN



GENERAL NOTES

CODES

- THE CONTRACTOR, PRIOR TO BIDDING, SHALL VISIT THE JOB SITE TO BECOME ACQUAINTED WITH THE EXISTING INSTALLATION AND SYSTEMS RELATED TO THE WORK AND SHALL INCLUDE IN THE BID PROPOSAL ALL LABOR AND MATERIALS REQUIRED FOR INSTALLATIONS TO BE COMPLETE AND OPERATIVE.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS IN THE FIELD BEFORE COMMENCEMENT OF THE WORK AND SHALL REPORT ANY DISCREPANCIES AND/OR INCONSISTENCIES BETWEEN THE DRAWING AND EXISTING FIELD CONDITIONS TO THE ENGINEER FOR CLARIFICATIONS BEFORE COMMENCEMENT OF THE WORK.
- THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL AND OTHER DRAWINGS RELATED TO THIS PROJECT FOR ADDITIONAL WORK TO BE PROVIDED.
- THE CONTRACTOR SHALL MAINTAIN AT THE JOB SITE, AN UP TO DATE "AS-BUILT" DRAWING SET. THE "AS-BUILT" DRAWING SET SHALL REFLECT ALL APPROVED CHANGES TO THE DESIGN DRAWINGS. THE "AS-BUILT" DRAWING SET SHALL BE KEPT CLEAN AND IN GOOD CONDITION AND SHALL BE TURNED OVER TO THE OWNER AT THE COMPLETION OF THE PROJECT. CONTRACTOR SHALL PROVIDE OWNER WITH A COPY OF ALL DOCUMENTS.
- UPON COMPLETION OF HIS WORK, THE CONTRACTOR SHALL SCHEDULE AND PERFORM A COMPLETE FUNCTIONAL TEST TO DEMONSTRATE TO THE OWNER THAT THE NEW INSTALLATION IS OPERATING AS INTENDED ANY DEFECTS OR DEFICIENCIES IN THE MATERIALS OR INSTALLATION WORK SHALL BE CORRECTED IMMEDIATELY BY AND AT THE CONTRACTOR'S EXPENSE.
- ALL DEMOLISHED STRUCTURAL, MECHANICAL AND PIPING UTILITIES SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH STATE LAW.
- ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL HAVE AN APPROVED DESIGN LISTING/NUMBER. ANY EQUIPMENT NOT LISTED WILL BE REQUIRED TO BE FIELD TESTED AND CERTIFIED BY AN APPROVED TESTING AGENCY. IT IS THE RESPONSIBILITY OF THE OWNER AND HIS DESIGN/CONSTRUCTION TEAM TO NOTIFY THE BUILDING DEPARTMENT IF FIELD-TESTING IS REQUIRED. PROOF OF EQUIPMENT CERTIFICATION WILL NEED TO BE SUBMITTED AND APPROVED BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED.
- CONTRACTOR SHALL PROVIDE QUALIFIED TRADE PROFESSIONALS WITH ADEQUATE SAFETY TRAINING IN CONSTRUCTION OF THESE TYPES OF FACILITIES. LACK OF SAFETY PRACTICE SHALL DISQUALIFY CONTRACTOR AT OWNER DISCRETION.
- CONTRACTOR SHALL SCHEDULE AND COORDINATE THE FOLLOWING WITH OWNER OR OWNER'S PROJECT MANAGER.
 - ANY AND ALL UTILITIES SHUT DOWN, CONTRACTOR SHALL GIVE A MINIMUM OF TWO WEEKS PRIOR NOTICE FOR EACH SHUT DOWN.
 - ANY AND ALL WORK BEING PERFORMED IN AREAS WHERE FACILITY WILL REMAIN IN OPERATION.
 - ANY WORK WITHIN THE PARAMETER OF ITEMS A AND B ABOVE SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
- ALL MATERIALS AND WORKMANSHIP ARE SUBJECT TO APPROVAL BY OWNER. ANY DEFECTIVE PORTION OF THE WORK SHALL BE REPLACED BY THE CONTRACTOR AS PART OF THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
- PROTECT EXISTING BUILDING STRUCTURES AND ADJACENT FINISHED SURFACES DURING CONSTRUCTION. PATCH, REPAIR AND REFINISH EXISTING WORK DAMAGED BY WORK UNDER THIS DIVISION TO MATCH ADJACENT UNDISTURBED AREAS. PATCHING, REPAIRING AND REFINISHING SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADES INVOLVED.
- BALANCING CONTRACTOR, SHALL BALANCE ALL EQUIPMENT SHOWN ON THESE DOCUMENTS PER THE FLOW QUANTITIES AND PRESSURE OR VACUUM INDICATED.
- ALL WORK SHALL CONFORM TO THE LATEST CALIFORNIA MECHANICAL CODE, PLUMBING CODE, FIRE CODE, BUILDING CODE AND THE LATEST NATIONAL ELECTRICAL CODE.
- CONTRACTOR SHALL SUBMIT EQUIPMENT, PIPING AND DUCT MATERIAL SUBMITTALS TO OWNER AND TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL, PRIOR TO PURCHASING AND INSTALLATION.
- CONTRACTOR SHALL COORDINATE FINAL INSPECTION OF COMPLETED WORK WITH DESIGN ENGINEER AND OWNER OR OWNER'S REPRESENTATIVE, FOR FINAL APPROVAL AND ACCEPTANCE.
- UNLESS NOTED OTHERWISE, MIN. SLOPE OF 1/8" PER FOOT MUST BE MAINTAINED FOR ALL WASTE DRAIN LINES.
- CONTRACTOR RESPONSIBLE TO FIRE CAULK ANY WALL/FLOOR OR CEILING PENETRATION.
- ANY NEW OR EXISTING DUCT OR PIPING OFFSETS REQUIRED AS A RESULT OF EXISTING JOB CONDITIONS OR LACK OF COORDINATION WITH OTHER TRADES, SHALL BE PROVIDED AT NO ADDITIONAL COST TO OWNER AND SUBJECT TO OWNER'S REVIEW.
- COORDINATE LOCATION OF EXISTING PIPE RACKS & DUCT DROPS, AND NEW PIPE RACKS WITH OTHER TRADES.
- COORDINATE LOCATION OF NEW MECHANICAL EQUIPMENT AND PIPING WITH EXISTING DUCTWORK, MECHANICAL EQUIPMENT AND PIPING.
- MAINTAIN A MINIMUM HEAD CLEARANCE OF 84" ABOVE FINISHED FLOOR UNDER SUSPENDED DUCTWORK AND PIPING.
- EXHAUST DUCT & ELECTRICAL COMPONENT ARE SHOWN FOR REFERENCE ONLY. FOR ACTUAL SIZE AND LOCATION REFER TO MECHANICAL & ELECTRICAL DRAWING, RESPECTIVELY.
- CONTRACTOR SHALL PROVIDE REDUCERS, AS REQUIRED. FROM PIPE LINE SIZES TO TOOL CONNECTION SIZES.
- DATA ON THESE DRAWINGS ARE AS ACCURATE AS POSSIBLE, BUT ARE NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, LOCATIONS, LEVELS, DISTANCES AND FEATURES OF THE SITE AND RELATED IMPROVEMENTS THAT MAY AFFECT THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THESE DOCUMENTS AND APPLICABILITY OF THEIR INSTRUCTIONS FOR THE WORK TO BE PERFORMED, ANTICIPATED TRADES AND EQUIPMENT TO BE EMPLOYED FOR THE EXISTING CONDITIONS.
- THE CONTRACTOR SHALL ADEQUATELY PROTECT THE SITE, EXISTING WORK, AND ANY WORK IN PROGRESS, MATERIALS, AND EQUIPMENT AT THE JOBSITE FROM DAMAGE BY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, SHORING, BRACING, STRUCTURAL SUPPORT, FIRE SUPPRESSION SYSTEMS REQUIRED TO PROTECT THE EXISTING SITE AND CONSTRUCTION, ADJACENT PROPERTIES, AND THE PUBLIC AT LARGE.

ALL WORK, MATERIALS, AND WORKMANSHIP SHALL COMPLY WITH CALIFORNIA BUILDING CODE 2010 EDITION, CITY AMENDMENTS, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

APPLICABLE CODES:

CALIFORNIA BUILDING CODE	2010 EDITION
CALIFORNIA MECHANICAL CODE	2010 EDITION
CALIFORNIA PLUMBING CODE	2010 EDITION
CALIFORNIA FIRE CODE	2010 EDITION
CALIFORNIA ELECTRICAL CODE	2010 EDITION
CALIFORNIA ENERGY CODE	2010 EDITION
ADMINISTRATIVE CODE	TITLE 24: ENERGY
NFPA (CURRENT EDITION)	TITLE 19: LIFE SAFETY
CAL-OSHA	
HANDICAP STANDARDS - FEDERAL REGULATIONS AND AMERICAN DISABILITIES ACT (ADA)	
CITY BUILDING REGULATIONS	

TYPE OF CONSTRUCTION: III B
 AUTOMATIC FIRE SPRINKLER SYSTEM: YES
 NUMBER OF STORIES: 1

SCOPE OF WORK

- SOLEXEL IS PREPARING TO BUILD ADDITION SPACE FOR R&D USAGE THE SPACE WILL ALLOW TO INSTALL A LARGER R&D EQUIPMENT. THE NEW BUILDING WILL BE BUILD NEXT TO ADJACENT (EXISTING) BUILDING FAB. ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS WILL BE SUBMITTED TO BUILDING DEPARTMENT FOR PERMIT.
- DEMOLISH 450 SQ.FT. EXISTING CHEMICAL BUNKER AND SURROUNDING CONCRETE PAD, PAVEMENT
- REMOVING 280 SQ.FT. OF LANDSCAPING.
- REMOVING 8 COMPACT PARKING SPACES AND RECONFIGURE SOME OF THE EXISTING FULL PARKING SPACES TO ACCOMMODATE THE EXISTING AND THE NEW ADDITIONAL BUILDING.
- NEW ADDITIONAL 3,020 SQ.FT BUILDING.
- NEW ADDITIONAL 800 SQ.FT. BUNKERS (H2-OCCUPANCY BUILDING)
- NEW 90 SQ.FT. LANDSCAPING PLANTERS AGAINST THE NEW BUILDING.
- ALL NEW ADDITIONAL BUILDING SHALL BE FIRE PROTECTION (FULLY SPRINKLERED) TO MEET CA FIRE CODE SECTION 907

PROJECT DATA

1530 McCarthy Blvd,
Milpitas CA. 95035
 - APN# 86-03-057
 - ZONING: INDUSTRIAL PARK
 - EXISTING BUILDING AREA: 37,860 SQ.FT.
 - PROPOSED ADDITION: 3,020 SQ.FT.
 - RIGHT SIDE W/50 FT STREET FRONTAGE (GROUP H-2 ARE)=16FT x 50FT= 800 SQ.FT.
 - REAR SIDE W/60 FT YARD = 37 FT x 60 FT = 3,020 SQ.FT.
 - DEMOLISH EXISTING BUNKER BUILDING TOTAL SQ.FT.= 450 SQ.FT.

DRAWINGS INDEX

Revision	Sheet Number	Sheet Title	Date
2	G1.0	COVER SHEET	12.03.2012
2	G1.1	EXISTING FULL SITE PLAN	12.03.2012
2	G2.0	EXISTING SITE PLAN	12.03.2012
2	G2.1	PROPOSED SITE AND VICINITY PLAN	12.03.2012
2	L1.0	PROPOSED LANDSCAPE PLAN VIEW	12.03.2012
2	A3.0	ELEVATION PLAN VIEW NEW & PROPOSED	12.03.2012
2	A5.0	PERSPECTIVE VIEWS	12.03.2012
2	A5.1	LINE OF SITE PLAN VIEW	12.03.2012



SOLEXEL INC.
1530 McCarthy Blvd.
Milpitas, California 95035

PLOT DATE: December 6, 2012

No.	Date	Description	By	Check'd	App'd	Client
2	12/03/2012	CITY COMMENTS	JO	TA		
1	11/07/2012		JO	TA		

PROJECT NAME: SOLEXEL
 PROJECT NO.: 6571240
 DRAWN BY: JO 11.01.2012
 CHECKED BY: TA
 APPROVED BY: TA
 CLIENT APPR.:

SHEET TITLE
COVER SHEET

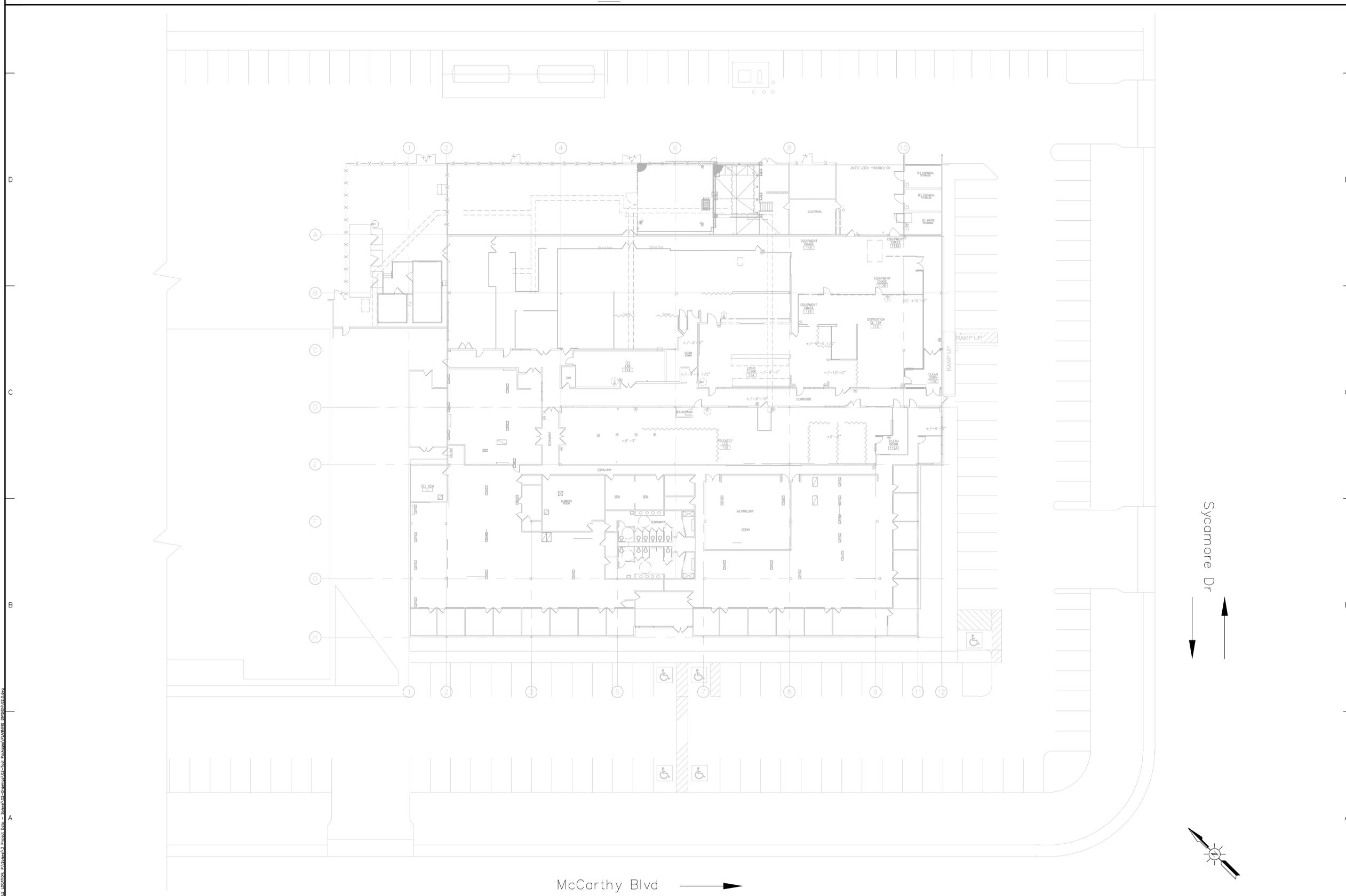
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Scale: NONE
 File: Rev. 2

EXISTING SITE PLAN

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Milpitas, California 95035

PLOT DATE: 12.6.2012

No.	Date	Description	By	Chk'd	App'd	Client
2	12/03/2012	CITY COMMENTS	JJO	TA		
1	11/01/2012		JJO	TA		

PROJECT NAME: SOLELX
PROJECT NO.: 6571240
DRAWN BY: JJO 11.01.2012
CHECKED BY: TA
APPROVED BY: TA
CLIENT APPR.:

SHEET TITLE
EXISTING SITE PLAN

G2.0

Scale: NONE
File: Rev. 2

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PROPOSED SITE AND VICINITY PLAN

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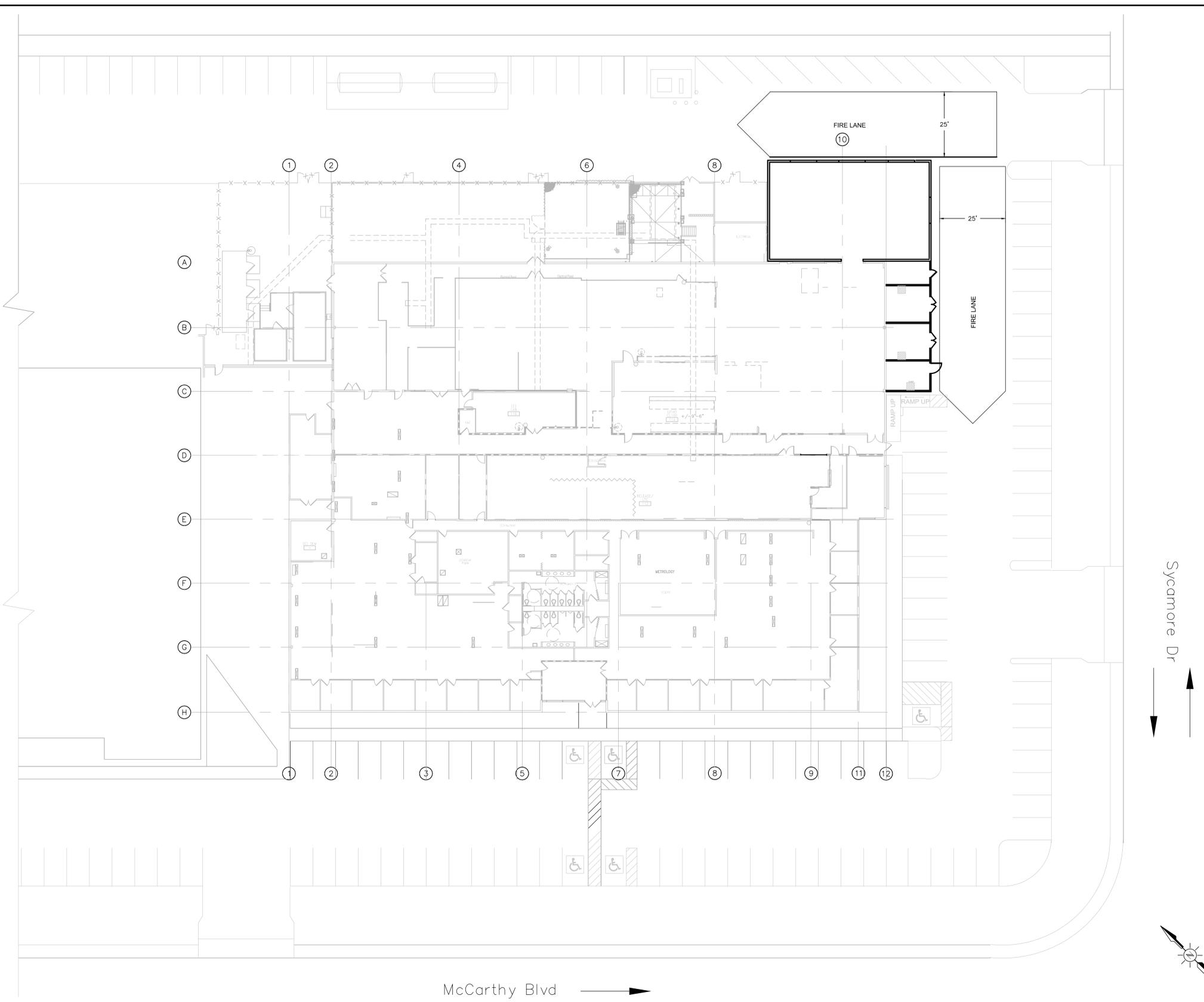
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2	12/03/2012	CITY COMMENTS	JJO	TA		
1	11/01/2012		JJO	TA		

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PROJECT NO.: 6571240
DRAWN BY: JJO 11.01.2012
CHECKED BY: TA
APPROVED BY: TA
CLIENT APPR.:

SHEET TITLE
PROPOSED SITE AND VICINITY PLAN

G2.1

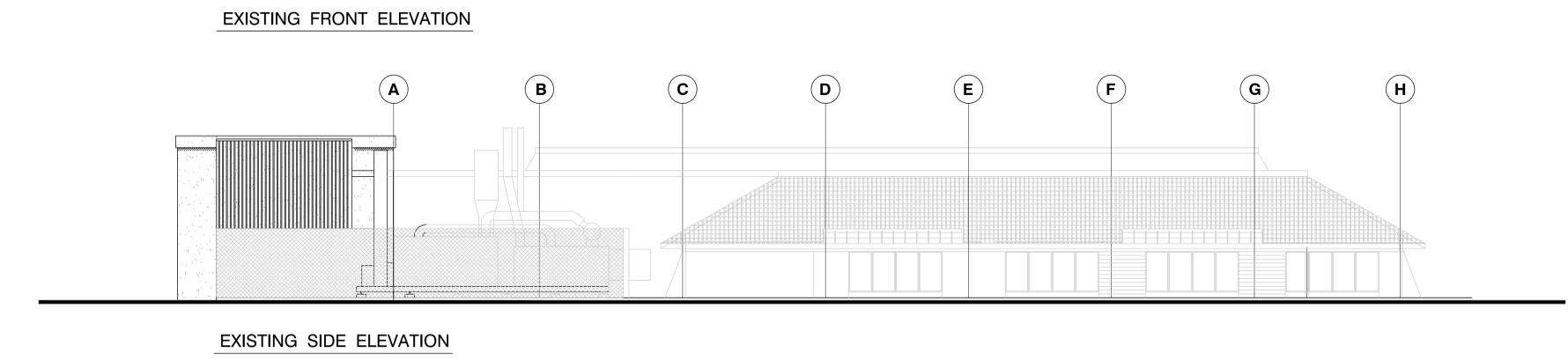
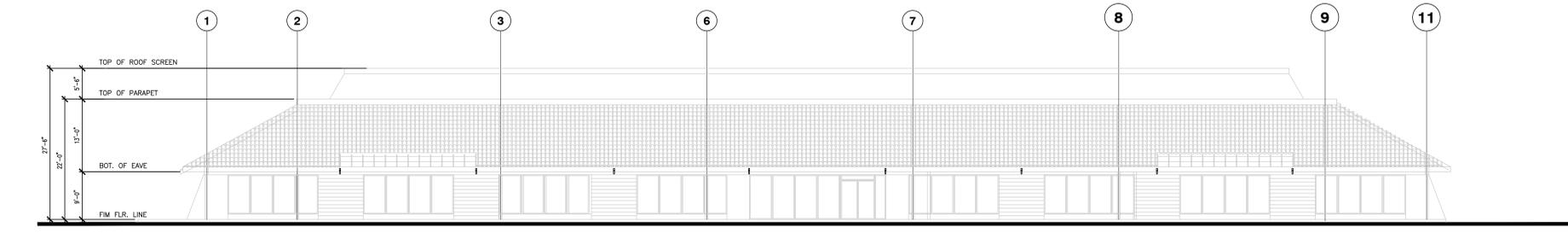
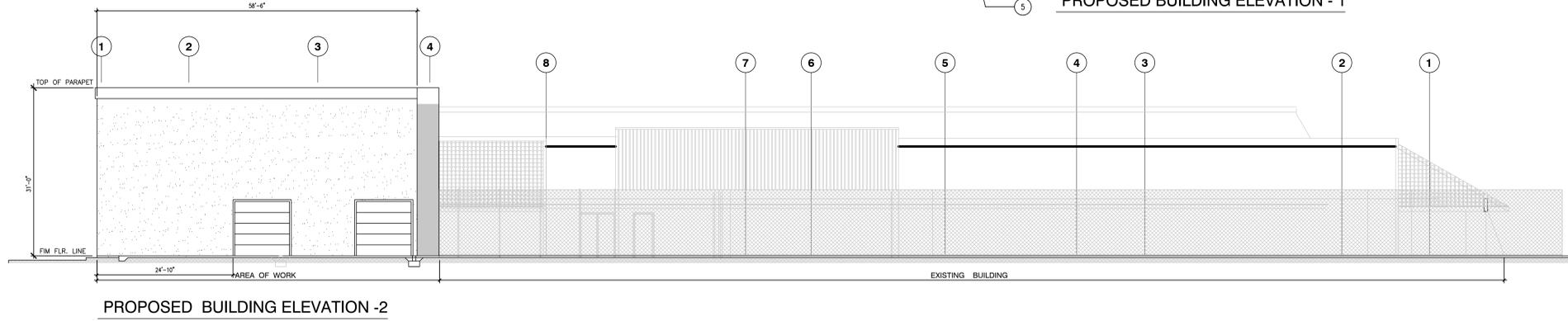
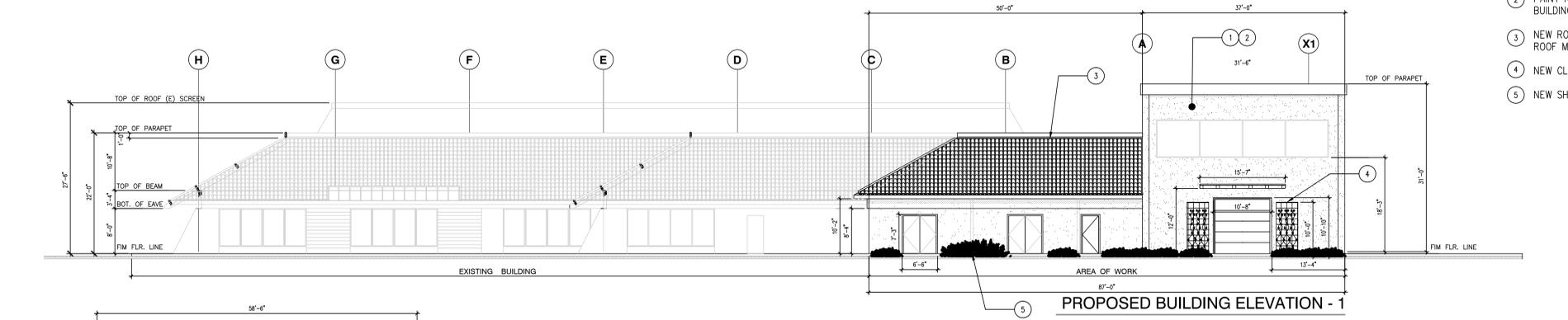
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GENERAL NOTES

- 1 BUILDING TEXTURE TO MATCH EXISTING BUILDING
- 2 PAINT NEW BUILDING WALL REGAL WHITE TO MATCH EXISTING BUILDING
- 3 NEW ROOFING COLOR TYPE TERRA COTTA TO MATCH EXISTING ROOF MATERIAL AND COLOR.
- 4 NEW CLIMBING VINE FLOWERS PLANTS.
- 5 NEW SHRUBS, AND BAMBOO PALM PLANTS.



ELEVATION PLAN VIEW FOR EXISTING AND PROPOSED PLAN

SCALE: 1/4"=1'-0"



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1530 McCarthy Blvd.
Milpitas, California 95035

PLOT DATE: 12.6.2012

REVISIONS			
No.	Date	Description	By
1	12/01/2012		JJO
2	12/03/2012	CITY COMMENTS	JJO

PROJECT NAME: SOLEXEL
PROJECT NO.: 6571240
DRAWN BY: JJO 11.01.2012
CHECKED BY: TA
APPROVED BY: TA
CLIENT APPR.:

SHEET TITLE
**ELEVATION
PLAN VIEW
NEW & PROPOSED**

A3.0

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Rev. 2

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SEE SHEET A3 FOR THE SIZE



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1	11/20/2012		JO	TA		
2	12/03/2012	CITY COMMENTS	JO	TA		

PROJECT NAME: SOLEXEL
PROJECT NO.: 6571240
DRAWN BY: JO 11.01.2012
CHECKED BY: TA
APPROVED BY: TA
CLIENT APPR.:

SHEET TITLE

PERSPECTIVE VIEWS

A5.0

Scale: NONE Rev. 2
File: A5.0 ARCHITECTURAL FLOOR PLAN

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