

Meeting Date:	June 8, 2021
Case Numbers:	CDR21-001
Project Planner:	Krystle Rizzi
Agenda Item:	4

**Community Development Department – Planning Division** 

# **REPORT TO DESIGN REVIEW BOARD**

**SUBJECT: 16 De Luca Place -** Request for Conceptual Design Review to demolish an existing one-story industrial building and construct a new two-story, 7,774 square foot building. The building will contain primarily storage/factory spaces with ancillary office space not exceeding 25 percent of the overall building square footage.; APN: 013-081-04; Industrial (I), Zoning District; Mark and Kathleen Barger, Owner; Stewart Summers, SKS Architects, Applicant; File No.: CDR21-001

## **PROPERTY FACTS**

Location Project Site: North: South: East: West:	<u>General Plan</u> Industrial Industrial Industrial Industrial Industrial	Zoning Industrial Industrial Industrial Industrial Industrial	Existing Land I Industrial (Allied Industrial building Automotive servi Automotive servi	<b>d Heating &amp; AC)</b> g g ces	
<u>Lot Size</u> Required: Proposed:	6,000 s.f. 20,611 s.f. (no ch	ange)	<u>Maximum Lo</u> Standard: Proposed:	<u>t Coverage</u> NR 19.7% (4,080 s.	f.)
<u>Height</u> Allowed: Proposed:	36 feet 31 feet		<u>Max Floor Ar</u> Allowed: Proposed:	ea Ratio .38 (7,832 s.f.) .37 (7,774 s.f.)	
Parking Required:	Industrial: 1/500 s Office: 1/250 s.f. ( Total: 20	· · ·	<u>Min. Lot Widt</u> Required: Proposed:	<u>th (New lots)</u> 60 feet 62 feet (no char	nge)
Proposed: Minimum Lar	20 spaces ndscape Area		<u>Setbacks</u>	Required	Proposed
Required:	10% (2,061 s.f.)		Front	NR	52' 9"'
Proposed:	4.2% (866 s.f.)		Side - North Side - South Rear	NR NR NR	+/-20' 5' +/-160'

# SUMMARY

The project is being referred to the Design Review Board (Board) for conceptual review of a proposed demolition and rebuild of an existing 4,974 square foot industrial building. The project site is approximately 20,611 square feet with frontage on De Luca Place to the west.

The applicant is seeking the Board's recommendations on the proposed project design which will be the basis for submittal of a formal application. With the Board's recommendation, the applicant will submit a formal application for an Environmental and Design Review Permit.

Once a formal application has been submitted, the project will be scheduled to return to the Board for a formal recommendation on site and building design, which will be forwarded to the Planning Commission for final decision.

Staff is seeking the Board's evaluation of the project's consistency with design criteria contained in the applicable design-related General Plan policies, Zoning Ordinance regulations, and San Rafael Design Guidelines for non-residential development, discussed further below. Staff is requesting that the Board provide recommendations on how to effectively address the following:

- Site Plan Whether the proposed site plan demonstrates efficient use of the site.
- Architecture Whether the design proposed for this project is appropriate given surrounding development.
- Colors and Materials Whether the colors and materials are appropriate.
- Landscaping Whether the proposed landscaping is adequate in location, type and proportion.

## BACKGROUND

## Site Description & Setting:

The project site is approximately 20,611 square feet and is currently developed with a one-story, 4,970 square-foot building which has historically been used for industrial operations and is currently occupied by Allied Heating and Air Conditioning. The site is surrounded by a variety of other industrial uses that feature a mixture of one and two-story buildings with primarily metal building facades.

The site is designated as Industrial (I) in the City's General Plan Land Use and Zoning Ordinance which provides for motor vehicle services, contractor uses and yards, manufacturing, storage uses, wholesale, incidental employee-serving retail and service uses, specialty retail uses consistent with industrial uses, rock, sand and gravel plants, solid waste management and recycling facilities, trucking yards or terminals, and ancillary and small offices.

## **PROJECT DESCRIPTION**

**Use.** The conceptual design proposes demolition of the existing one-story industrial building which will be reconstructed as a two-story structure and will continue to be operated by Allied Heating and Air Conditioning. The project proposes primarily storage/manufacturing space on the first floor with a small ancillary office and storage and office space on the second floor. The proposed office spaces will occupy approximately 25% of the total building floor area.

**Site Plan:** Pursuant to Section 14.05.030 of the San Rafael Municipal Code (SRMC), the Industrial Zoning District does not have a maximum limit on lot coverage nor does the district have minimum setback requirements. As proposed, the project will provide approximately 20% lot coverage. The proposed structure provides the greatest setbacks from the front and rear property line, with side setbacks of approximately 20-feet from the northern property line and five-feet from the southern property line.

**Architecture:** The overall height of the building is approximately 31-feet which is consistent with the requirements of the Industrial Zoning District. Proposed materials include metal ribbed siding and roofing, composite panel awnings, and metal framed windows.

Building elevations are provided on Sheet A2 of the Conceptual Design Review submittal and are further described below.

*West (Front).* The front elevation, facing De Luca Place, includes a substantial amount of glazing including an overhead garage door which includes paneled windows separated by metal panes, four metal framed windows at the second floor, and a glass front entry door which is flanked by two vertically oriented windows. A projecting composite panel awning is located above the entry door and windows providing a sense of pedestrian entry. A similar awning is located on the second floor above the four metal windows. Vertical landscaping on a wood trellis is located adjacent to the front entry door.

*East (Rear).* The rear elevation contains similar architectural features as the front elevations including an entry door with projecting awning above, four evenly spaced metal framed windows at the second floor, and two additional windows on either side of the entry door.

*South and North (Side).* The south side elevation also includes an overhead garage door, windows with composite panel awnings on the second floor, and a vertical landscape feature. The north elevation includes metal framed windows and light fixtures.

**Landscaping:** As shown on the preliminary landscape plan submitted with the Conceptual Design Review application, the project proposes to install landscaping along the north, east, and west property lines and will include trees, shrubs, and groundcovers. Additionally, the project proposes to install vertical landscaping at the southwest corner of the new building. The project proposes a total of 866 square feet of landscaping, excluding the vertical landscape wall. As proposed, the landscaping does not meet the minimum 10% required by the zoning ordinance.

**Lighting:** Plans submitted for conceptual review include lighting details on Sheet A3. As proposed, the project would install downcast black LED wall sconces along all building elevations.

## ANALYSIS

Conceptual Design Review provides an opportunity for feedback on the design, color, and material concept of a proposed project prior to formal application submittal. The conceptual review seeks feedback from the Design Review Board, City Staff, and the public and provides comments to the applicant on appropriateness of design and compliance with design review criteria. Staff has reviewed the proposed project and provided preliminary feedback and questions regarding the design approach for the Board to consider in providing its comments. Below is a general analysis of the project's consistency with the City of San Rafael General Plan 2020, Zoning Ordinance, and Design Guidelines.

## General Plan 2020 Consistency:

In general, the project is consistent with the applicable design-related San Rafael General Plan policies. A full consistency review will be conducted upon formal project submittal. The site is designated Industrial (I) on the General Plan 2020 Land Use Map. Design-related policies applicable to the project at a conceptual stage and how the project complies with these policies are described below along with specific areas where staff is seeking feedback from the Board. It should be noted that the updated General Plan and General Plan EIR are in the process of being reviewed by the Planning Commission and City Council. Should the General Plan be formally adopted prior to formal review of the proposed project, the discussion of the project's consistency with the updated General Plan will be included as applicable.

Land Use Policy LU-12 (Building Heights) Exhibit 7 of the General Plan identifies maximum building height limits in Central San Rafael. The area of the proposed project allows buildings to be a maximum of 36 feet. The project proposes a height of 31-feet, which is consistent with the maximum allowable height for the site.

*Community Design Policy CD-3 (Neighborhoods)* seeks to preserve and enhance the positive qualities that are unique to each neighborhood. The area immediately surrounding the project site contains a variety of industrial buildings. The Board is being asked to provide feedback on the proposed design and recommend additional design qualities that fit within the context of the neighborhood, as appropriate.

*Community Design Policy CD-12 (Industrial Areas)* recognizes the economic importance of industrial areas and seeks to design them in such a way that creates a visually comfortable and welcoming appearance. As proposed, the project appears to be improving the visual appearance of the site by providing a building with increased transparency oriented toward the public right-of-way, increased sense of pedestrian entry as compared to the existing building, and increased landscaping. The Board is being asked to provide feedback on the proposed design and recommend design qualities that are consistent with this General Plan policy.

## Zoning Ordinance Consistency:

The following development and performance standards are applicable to the project. As noted in the development summary table earlier in the staff report, the project proposes to comply with the majority of development standards of the Industrial Zoning District. The following items are applicable to the project. As noted, some items will need to be addressed or clarified upon submittal of a formal application:

## <u>Height</u>

The applicant proposes to comply with the maximum height permitted by the District. Surrounding development is similar in scale to the proposed project.

#### Landscaping

The Industrial Zoning District requires a minimum landscaped area of 10% of the project site, which is equivalent to 2,061 square feet for the project. Plans submitted for conceptual review are inconsistent with this requirement as the total landscaped area provided is 866 square feet (excluding the vertical landscape feature), which equates to 4.2% of the total site. Staff is seeking feedback from the Board relative to the placement, type, and size of proposed landscaping as well as recommendations for modifications to the site design that will accommodate an increase to the landscaped area in order to meet the minimum requirements, as appropriate.

## <u>Refuse</u>

Pursuant to Section 14.16.025 of the SRMC, the proposed project will be required upon formal submittal to provide an area on-site suitable for collection of trash and recyclable materials. Plans submitted for conceptual design review indicate that a 10-foot x 12-foot covered refuse enclosure will be located at the northeast corner of the site. As noted in comments provided by Marin Sanitary Service on the proposed project, the enclosure will need to be enlarged to accommodate an 18-yard bin which measures 13-feet x 9-feet.

#### Parking

The total parking obligation for the project is one space per 500 square feet of building area for industrial uses and one space per 250 of office space. Based on the proposed square footage, the project is required to provide a total of 20 parking spaces. As presented, the conceptual design complies with the minimum parking requirement. Parking is primarily located at the rear of the building, with two spaces located near the front entrance along De Luca Place. Staff is seeking feedback and recommendations from the Board on the appropriate location of required onsite parking.

#### **Bicycle Parking**

Section 14.18.090 of the Zoning Ordinance provides requirements for bicycle parking in new

non-residential developments. The number of short-term bicycle parking spaces required is equal to five percent (5%) of the required automobile spaces with a minimum of one rack that can accommodate two bicycles. As such, the project is required to provide one rack accommodating two bicycles. Plans submitted for conceptual design review do not indicate bicycle parking. Plans submitted for formal review will need to demonstrate how bicycle parking will be accommodated and shall comply with design standards pursuant to section 14.18.090(E) of the SRMC.

## Parking Facility Dimensions and Design

As proposed, non-compact parking stalls do not meet the minimum length requirements set forth in Section 14.18.130 of the SRMC. Specifically, the SRMC requires non-compact parking stalls to measure 9-feet wide by 19-feet long. As proposed, the non-compact parking spaces measure 9-feet wide by 18-feet long. Additionally, the minimum required drive aisle width is 26-feet whereas the project proposes 25-feet 6-inches.

#### Off-street Loading and Unloading

Industrial uses are required to provide off-street loading and unloading spaces at a ratio of one space per 20,000 square feet of gross building area and measuring a minimum of 12-feet wide, 165-feet long, and a 14-foot height clearance. The project proposes a total of 5,830 square feet of gross industrial building area and is therefore required to provide one loading and unloading space. As proposed, the project provides two loading and unloading spaces at the front and side of the proposed building, however, it does not appear that the loading spaces meet the minimum dimensional requirements set forth in the Municipal Code.

#### Fencing and Screening

As proposed, the project will install an 8-foot in-swing gate between the proposed building and the northern property line. Material details of the gate are not provided. Staff is seeking the Board's feedback and recommendations on the location and design of the proposed gate.

#### Light and Glare

Pursuant to Section 14.16.227 of the SRMC, colors, materials, and lighting shall be designed to avoid creating unique offsite light and glare. The proposed colors, materials, and lighting appear to be consistent with this requirement.

#### Shading

The proposed building will be 31-feet and will be located approximately 5-feet from the southern property line. Based on the height of the building located south of the project site, it is not anticipated that the project would result in shade impacts to the adjacent building. Similarly, the project is not anticipated to result in shade impacts to the building to the north as the new building will be located approximately 20-feet from the northern property line.

#### San Rafael Design Guidelines:

The San Rafael Design Guidelines serve as a guide for evaluating development. The project proposes demolition and re-construction of an industrial building, and therefore needs to demonstrate compliance with the Design Guidelines for non-residential development. Criteria applicable to the project are as follows:

## Parking

- A logical sequence of entry and arrival as part of the site's design should be provided.
- Where possible, design entrances from the street to direct views towards the building entry.
- Parking should be distributed to provide easy access to building entrances.

- Where possible, parking should be located to the rear or side of a building in order to reduce the visual impact of parking areas.
- Design for adequate vehicle maneuverability in parking areas. Vehicles should not back out from a parking space onto the street.
- Parking areas should be screened from the street with hedges, walls, fences or berms, subject to security considerations.
- Auto and pedestrian entrances into the development should be easy to find. For example, special entry treatments, such as colored concrete, special planting and signage should be located at the entries to the site.
- Shade trees should be provided in parking lots per the zoning ordinance.

# Landscaping

- Landscaped areas should be planned as integral parts of the development and to create a strongly landscaped character for the site.
- Trees should be planted in a variety of locations, such as along the side property lines, clustered in planting areas, or distributed throughout the parking lot, consistent with the zoning ordinance.
- Pedestrian areas should be made visually attractive with special planting and flowering trees.
- Where feasible, landscape the area between the building and the property line even when a building is located at the minimum required side or rear yard setback.
- Retain and maintain existing public street trees and add additional street trees where practical.

# <u>Lighting</u>

- Limit the intensity of lighting to provide for adequate site security and for pedestrian and vehicular safety.
- Shield light sources to prevent glare and illumination beyond the boundaries of the property.
- Lighting fixtures should complement the architecture of the project.
- Consider pedestrian orientation when designing building entries, windows, signage and doors.
- Include a well-defined pedestrian walkway between the street and building entries.
- Clearly define pedestrian movement through the parking lot. For example, provide changes in pavement or separate landscaped walkways.
- Adequate facilities should be provided for bicycle parking, consistent with zoning requirements.

# Building Form

- A continuity of design, materials, color, form and architectural details is encouraged for all portions of a building and between all the buildings on the site.
- Consider the development's visual and spatial relationship to adjacent buildings and other structures in the area

# Materials and Colors

- Use articulation, texturing and detailing on all concrete exposed to exterior view.
- Exterior materials should minimize reflectivity.
- Use color to provide appropriate accents on a building.

In general, the project appears to be consistent with most criteria included in the guidelines. Where information is lacking from the Conceptual Design Review application, staff has noted the need for information and is also seeking the Board's feedback with regard to all design elements.

## Staff seeks the Boards guidance regarding the following:

- Site Plan Whether the proposed site plan demonstrates efficient use of the site.
- *Architecture* Whether the design proposed for this project is appropriate given surrounding development.
- Colors and Materials Whether the colors and materials are appropriate.
- *Landscaping* Whether the proposed landscaping is adequate in location, type and proportion.

## NEIGHBORHOOD CORRESPONDENCE

Notice of the Design Review Board meeting for the project was conducted in accordance with noticing requirements contained in Chapter 29 of the Zoning Ordinance. A Notice of Public Meeting was mailed to all property owners and occupants within a 300-foot radius of the project site, the appropriate neighborhood groups (the Bret Harte Community Association and the Federation of San Rafael Neighborhoods), and all other interested parties (applicant and planner), a minimum of 15 calendar days prior to the Board meeting. Additionally, notice was posted on the project site along the De Luca Place frontage, also a minimum of 15 calendar days prior to the Board meeting.

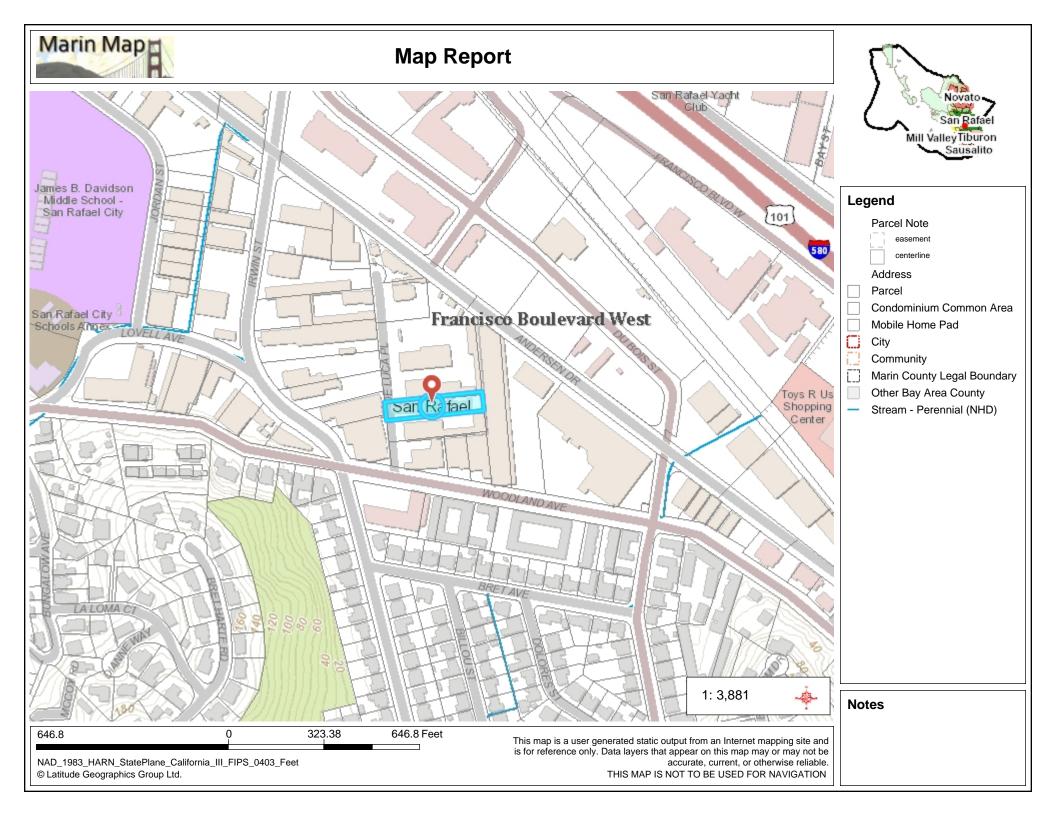
As of the publishing of this staff report, no public comments on the project have been received.

## CONCLUSION

As stated above, the applicant has submitted an application for Conceptual Design Review seeking input from the Board with regard to architectural design, site design, and adequacy of landscaping. With the Board's recommendation, the applicant will be able to submit a formal application for an Environmental and Design Review Permit, which will return to the Board for a formal recommendation to be forwarded to the Planning Commission for a final action.

# EXHIBITS

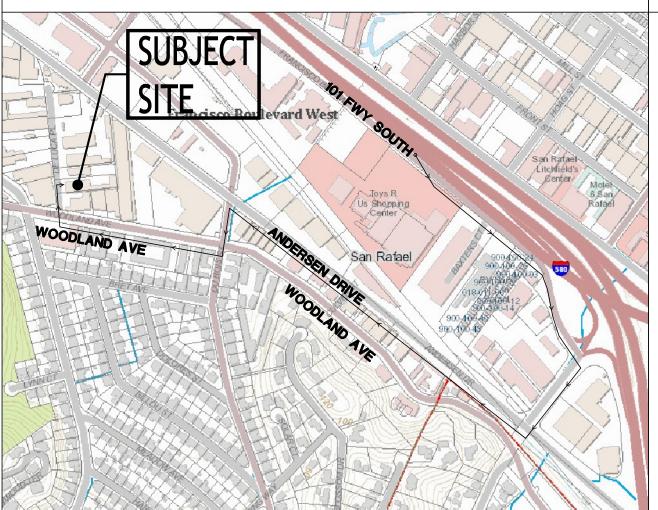
- 1. Vicinity Map
- 2. Site Plans



# ALLIED HEATING NEW STE 16 Deluca Place

VICINITY MAP

SAN RAFAEL, CA



PROJECT DESCRIPTION

REMOVE EXISTING BUILDING AND SITE AMENITIES - CONSTRUCT NEW TWO-STORY PRE-FAB METAL BUILDING ON CONCRETE SLAB -CONSTRUCT SITE IMPROVEMENTS TO INCLUDE PARKING, LANDSCAPING, ACCESSIBLE ENTRIES, SITE DRAINAGE, & NEW UTILITY SERVICES

PROJECT PRINCIPLES

# OWNER

ALLIED HEATING & AC CO, INC. 12 DeLUCA PLACE SAN RAFAEL, CA 94901 (415)459-5232 ATTN: ERIK BARGER

# ARCHITECT

SKS ARCHITECTS 1852 FOURTH STREET SAN RAFAEL, CA 94901 (415) 382-1656 ATTN: STEWART SUMMERS

# SURVEYOR

1031 SURVEY, INC. 1857 RAINIER CIRCLE PETALUMA, CA 94954 (707) 827-6370 ATTN: G.J. HARMINA

# **CIVIL ENGINEER**

LTD ENGINEERING, INC. 1050 NORTHGATE DRIVE SAN RAFAAEL, CA 94903 (415) 446-7402 ATTN: GLENN DEARTH

# GEOTECH

MILLER PA 504 REDU NOVATO, C (415) 382-3 ATTN: RUS

# STRUCTU

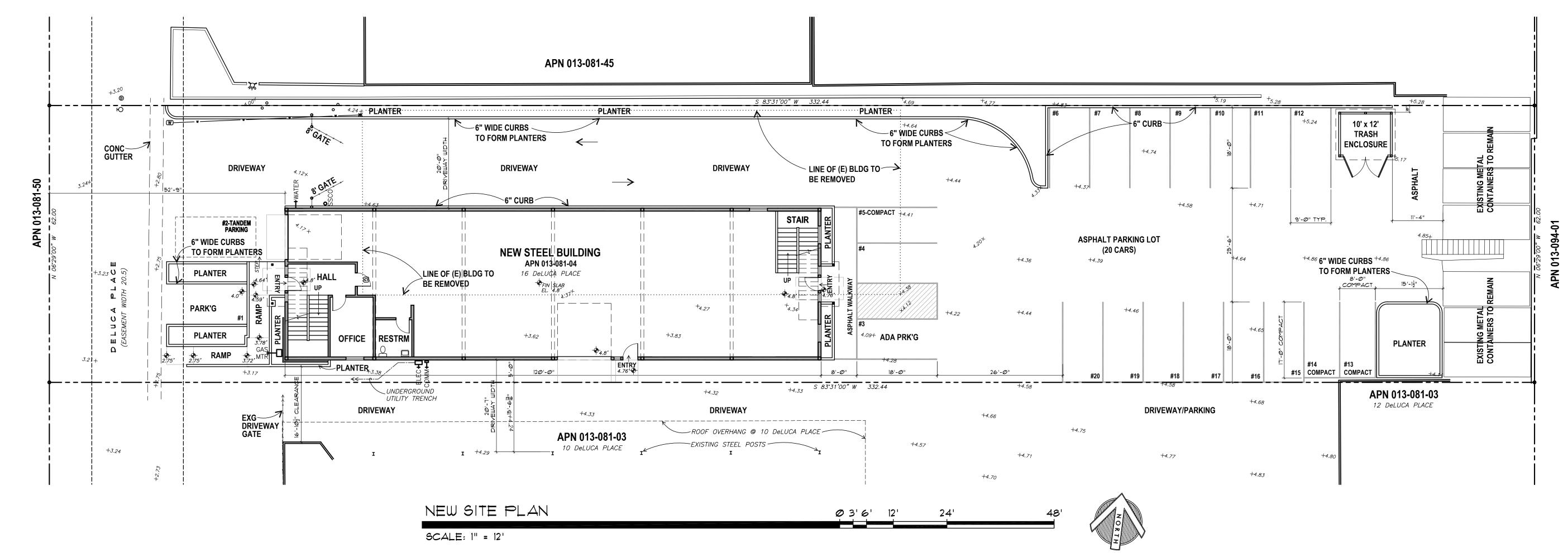
NISSEN EN 530-C AL NOVATO, C(415) 382-ATTN: PET

# ELECTRIC

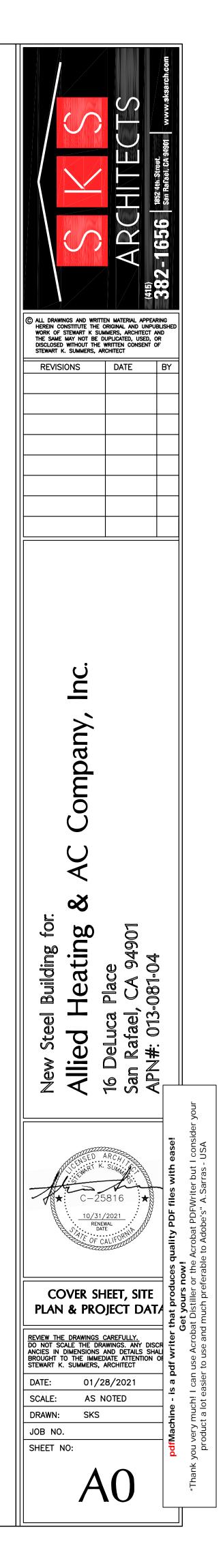
ENGINEER 613 4TH 61 SANTA RO (707)544. ATTN: MIKE

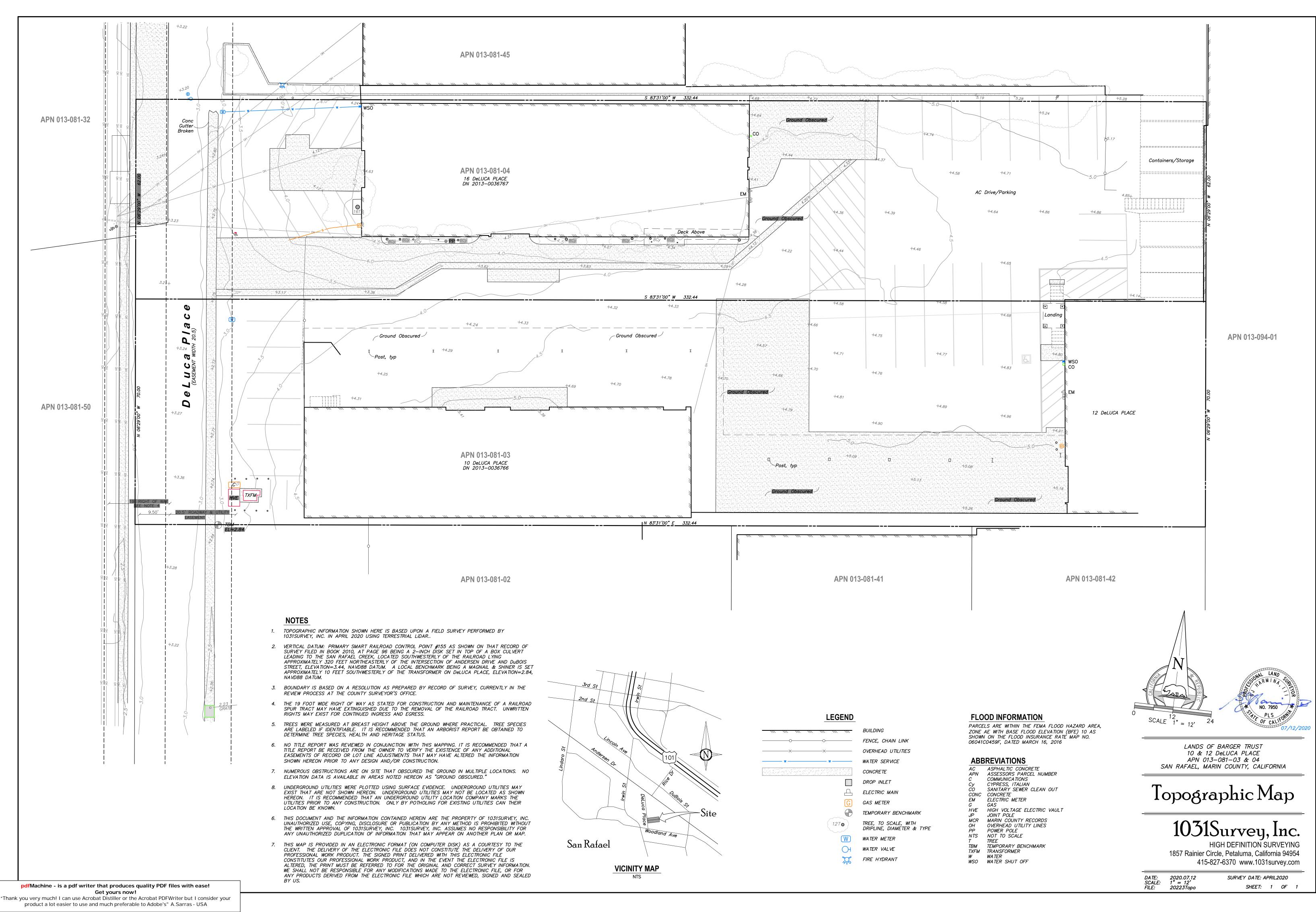
# MECHANI

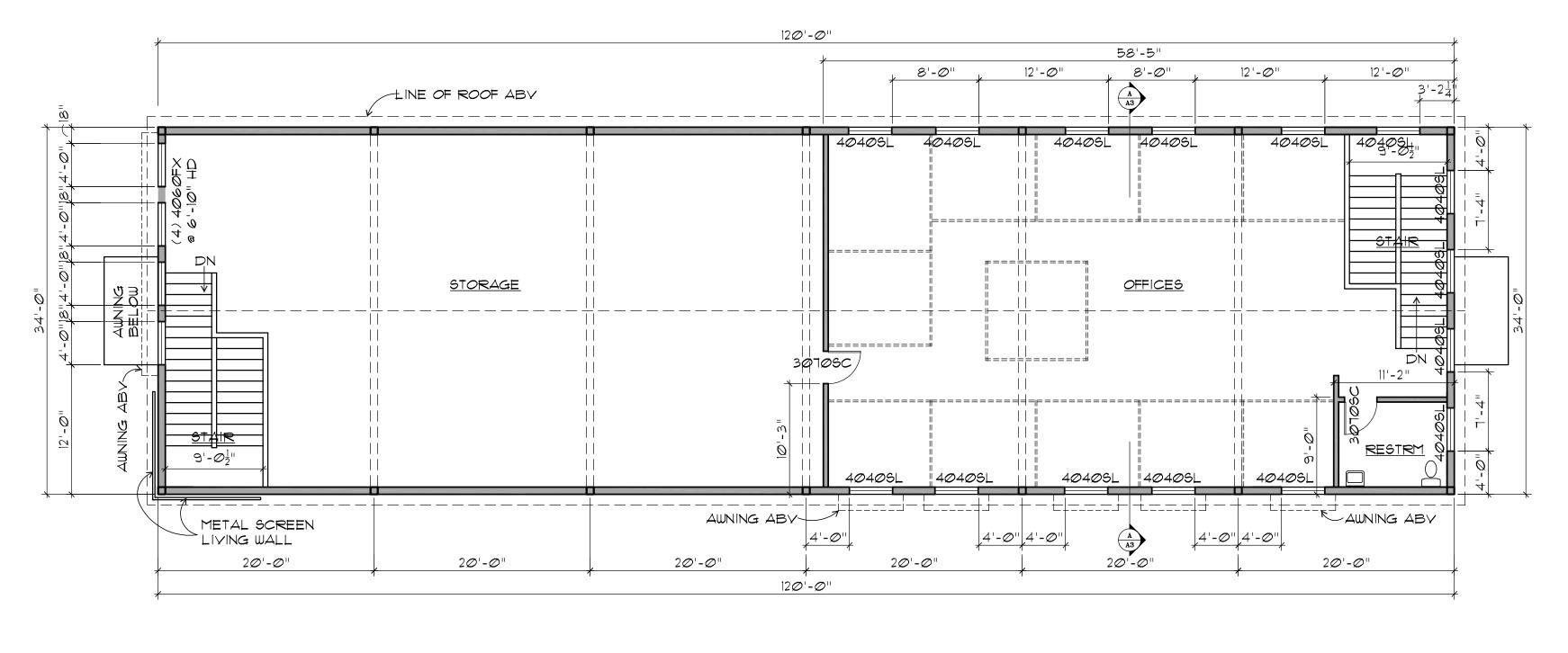
ALLIED HE 12 DeLUCA SAN RAFA (415)459-ATTN: ERIK



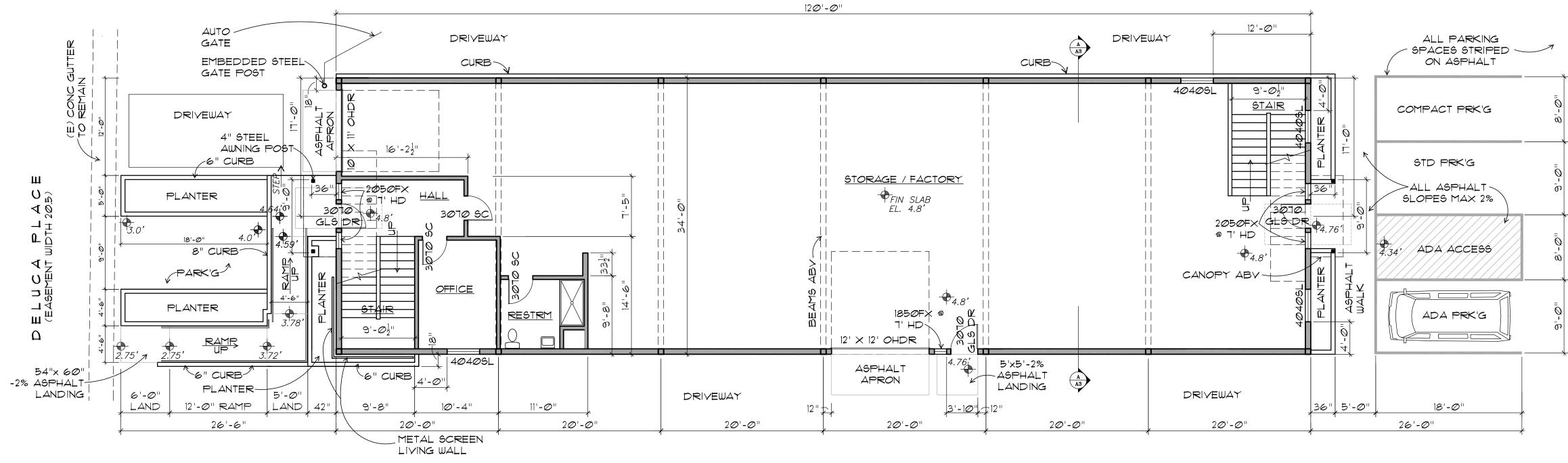
		ANY, INC.	PROJECT DATA PARCEL (BLOCK/LOT) Ø13-Ø81-Ø4
	UILDING SANRAFAEL	<b>,</b>	ZONING       I         OCCUPANCY CLASSIFICATION       \$1 / FI / B         DESCRIPTION OF USE       \$TORAGE, MANUFACTURE & ASSEMBLY, OFFICES         CONSTRUCTION TYPE       V-B         STORIES       TWO         \$PRINKLER\$       YES         SITE & BLDG, DATA       20,611.6 SF.
	GENERAL NOTES	SHEET INDEX	EXISTING BUILDING AREA EXISTING BUILDING TOTAL FLOOR AREA (BLDG TO BE REMOVED) 4,973.8 S.F. EXISTING F.A.R. 24.1%
CHNICAL ENGINEER PACIFIC ENGINEERING GRP DWOOD BLVD, SUITE 220 0, CA 94941 2-3444 USTY AREND TURAL ENGINEER ENGINEERING ALAMEDA DEL PRADO #333 0, CA 94949 2-1190 ETER NISSEN CA 94949 2-1190 ETER NISSEN RCAL ENGINEER ENG ENTERPRISES, INC. STREET, STE 206-B ROSA, CA 95404 44-1115 IKE JOHNSTON NICAL ENGINEER HEATING & AC CO, INC. CA PLACE FAEL, CA 94901 9-5232 RIK BARGER	<ol> <li>ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THESE PLANS, THE STANDARD SPECIFICATIONS OF THE CURRENT ADOPTED EDITION 2019 CALIFORNIA BUILDING CODE INCLUDING THE 2019 CFC, 2019 CMC, 2019 CPC, 2019 CEC, 2019 CALIFORNIA ENERGY EFFICIENCY STANDARDS CODE (CEES), 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGES OR CALGREEN) 4 ALL OTHER APPLICABLE CODES, ORDINANCES, AND STANDARDS FOR RESIDENTIAL CONSTRUCTION AND SPECIFICALLY FOR THE CONSTRUCTION OF THIS STRUCTURE IN THE CITY OF SAN RAFAEL.</li> <li>ALL MATERIALS AND WORKMANSHIP TO MEET OR EXCEED THE BEST STANDARDS OF THE TRADE.</li> <li>ON-SITE VERIFICATION OF DIMENSIONS, ELEVATIONS, AND OTHER CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.</li> <li>NOTED DIMENSIONS TAKE PRECEDENCE. DO NOT SCALE DRAWINGS, ON-SITE VERIFICATION OF DIMENSIONS, ELEVATIONS, AND OTHER CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.</li> <li>PROTECTION OF DUMER'S PROPERTY AND ALL ADJACENT PROPERTIES, AS WELL AS THE GENERAL PUBLIC, ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MAINTAINED AT ALL TIMES.</li> <li>ALL PAINTS, FINISHES, AND ADHESIVES, CAULKING, AND SEALANTS SHALL BE LOW, VOC.</li> <li>GC, SHALL APPLY FOR AND PROCURE ALL DEMOLITION PERMITS AS REQ'D BY LOCAL AUTHORITIES INCLUDING OBTAINING A "J-NUMBER" FROM THE BAY AREA AIL BE LOW, VOC.</li> <li>GC, SHALL APPLY FOR AND PROCURE ALL DEMOLITION PERMITS AS REQ'D BY LOCAL AUTHORITIES INCLUDING OBTAINING A "J-NUMBER" FROM THE BAY AREA AIL BULDING OBTAINING A "J-NUMBER" FROM THE BAY AREA AIL BE LOW, VOC.</li> <li>GC SHALL APPLY FOR AND PROCURE ALL DEMOLITION PERMITS AS REQ'D BY LOCAL AUTHORITIES INCLUDING OBTAINING A "J-NUMBER" FROM THE BAY AREA AIL BE LOW, VOC.</li> <li>GC SHALL APPLY FOR AND PROCURE ALL DEMOLITION STHEREOT, SHALL BE CONDUCTED BASED ON FINDINGS OF CITY OF SAN RAFAEL.</li> </ol>	ARCHITECTURAL         AØ       COVER SHEET, SITE PLAN PROJECT DATA         1       EXISTING SITE SURVEY         A1       NEW BUILDING FLOOR PLANS         A2       NEW BUILDING ELEVATIONS         A3       NEW BUILDING ROOF PLAN, BUILDING SECTION & TRASH ENCLOSURE PLANS         CIVIL       CI         C1       CIVIL COVER SHEET (DATA/INFO)         C2       CONCEPTUAL GRADING & DRAINAGE PLAN         C3       CIVIL DETAILS         LANDSCAPE       L1         L1       LANDSCAPE PLAN	NEW BUILDING AREAS         NEW BUILDING FIRST FLOOR (STORAGE, FACTORY, STAIRS, BATH)       3,323,9 SF.         NEW BUILDING FIRST FLOOR (OFFICE)       156.1 SF.         TOTAL NEW BUILDING FIRST FLOOR       4,080.0 SF.         NEW BUILDING SECOND FLOOR (STORAGE, FACTORY, BATH)       1,306.8 SF.         NEW BUILDING SECOND FLOOR (OFFICES)       1,781.2 SF.         TOTAL NEW BUILDING SECOND FLOOR (OFFICES)       1,781.2 SF.         TOTAL NEW BUILDING SECOND FLOOR       3,694.0 SF.         TOTAL NEW BUILDING FLOOR AREA       1,714.0 SF.         NEW BUILDING FLOOR AREA PERCENTAGE BY USE       1074.L NEW BUILDING STORAGE, FACTORY, STAIRS, BATHS       5830.1 SF 15%.         TOTAL NEW BUILDING STORAGE, FACTORY, STAIRS, BATHS       5830.1 SF 25%.       1943.3 SF 25%.         NEW BUILDING FLOOR AREA RATIO       1,714.0 SF.       1,714.0 SF.         TOTAL NEW BUILDING FLOOR AREA       1,714.0 SF.       1,714.0 SF.         NEW BUILDING FLOOR AREA RATIO       1,714.0 SF.       1,714.0 SF.         TOTAL NEW BUILDING FLOOR AREA       1,714.0 SF.       1,714.0 SF.         TOTAL NEW BUILDING FLOOR AREA       1,714.0 SF.       1,714.0 SF.         TOTAL NEW BUILDING FLOOR AREA       1,714.0 SF.       1,714.0 SF.         TOTAL NEW BUILDING FLOOR AREA       1,714.0 SF.       1,714.0 SF.         TOTAL NEW



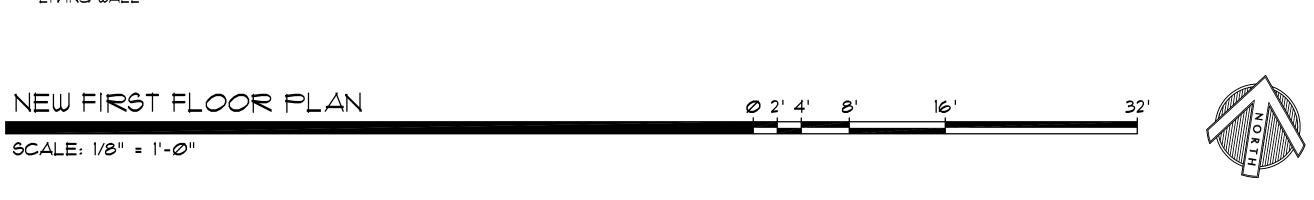




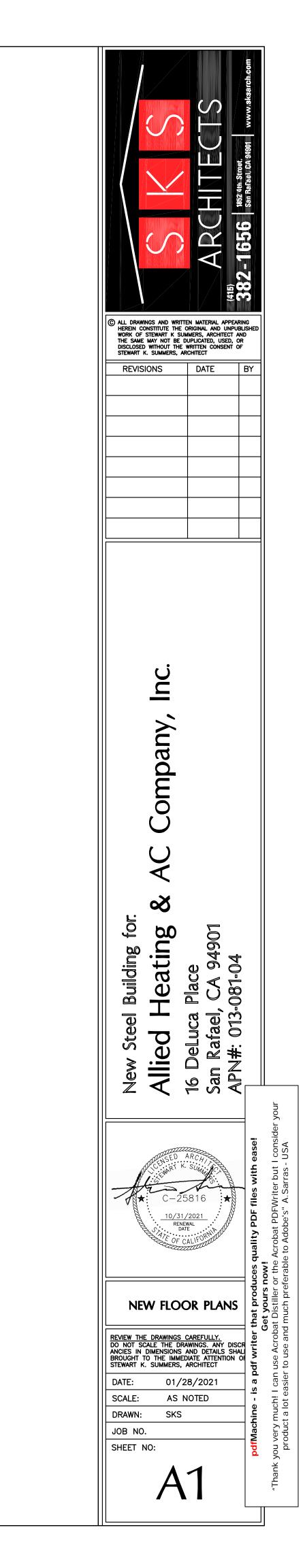
SCALE: 1/8" = 1'-Ø"



SCALE: 1/8" = 1'-Ø"









STREETSCAPE - 10 & 16 DeLUCA PLACE, SAN RAFAEL

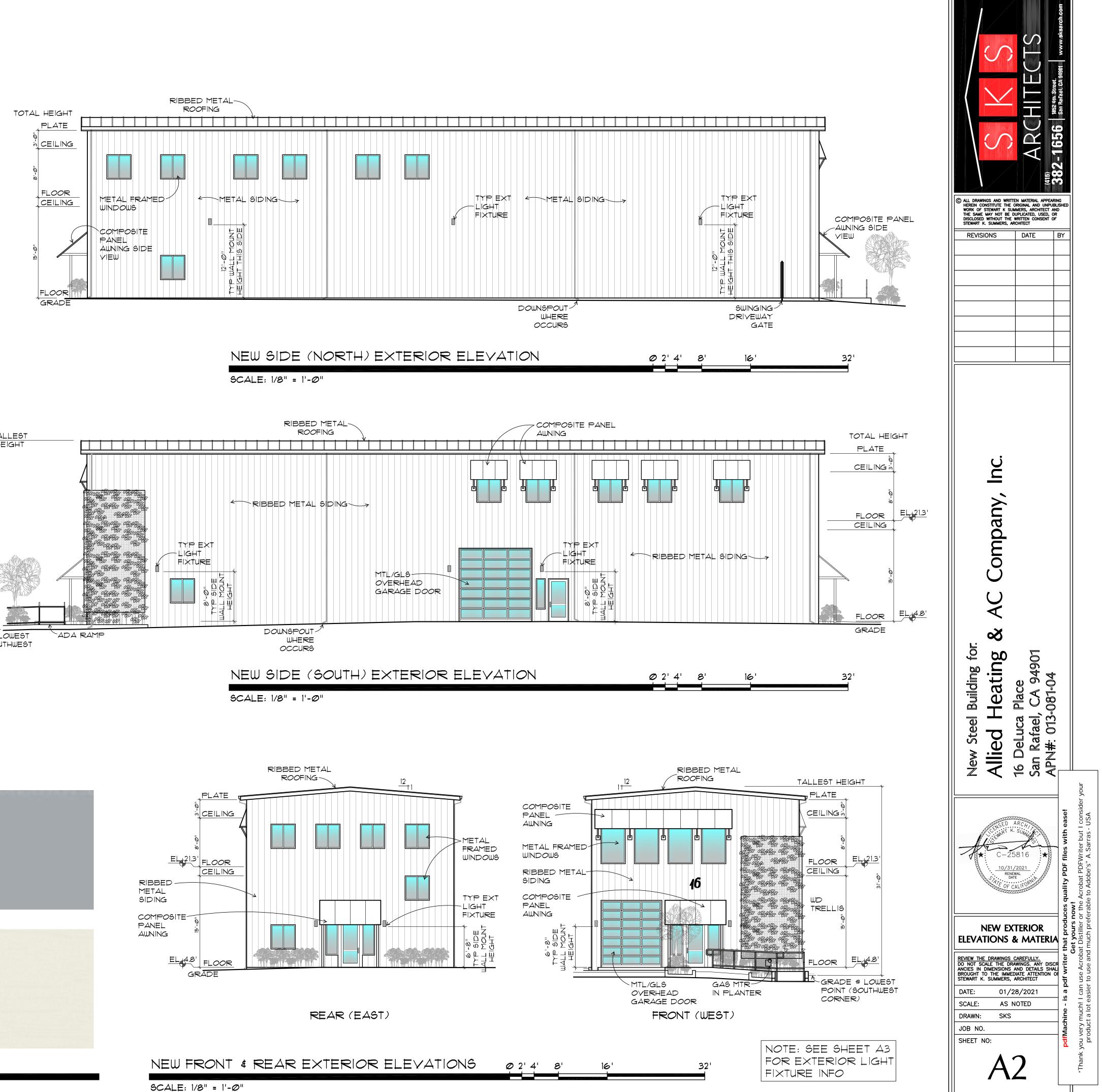


16 Deluca place existing building (to be removed)

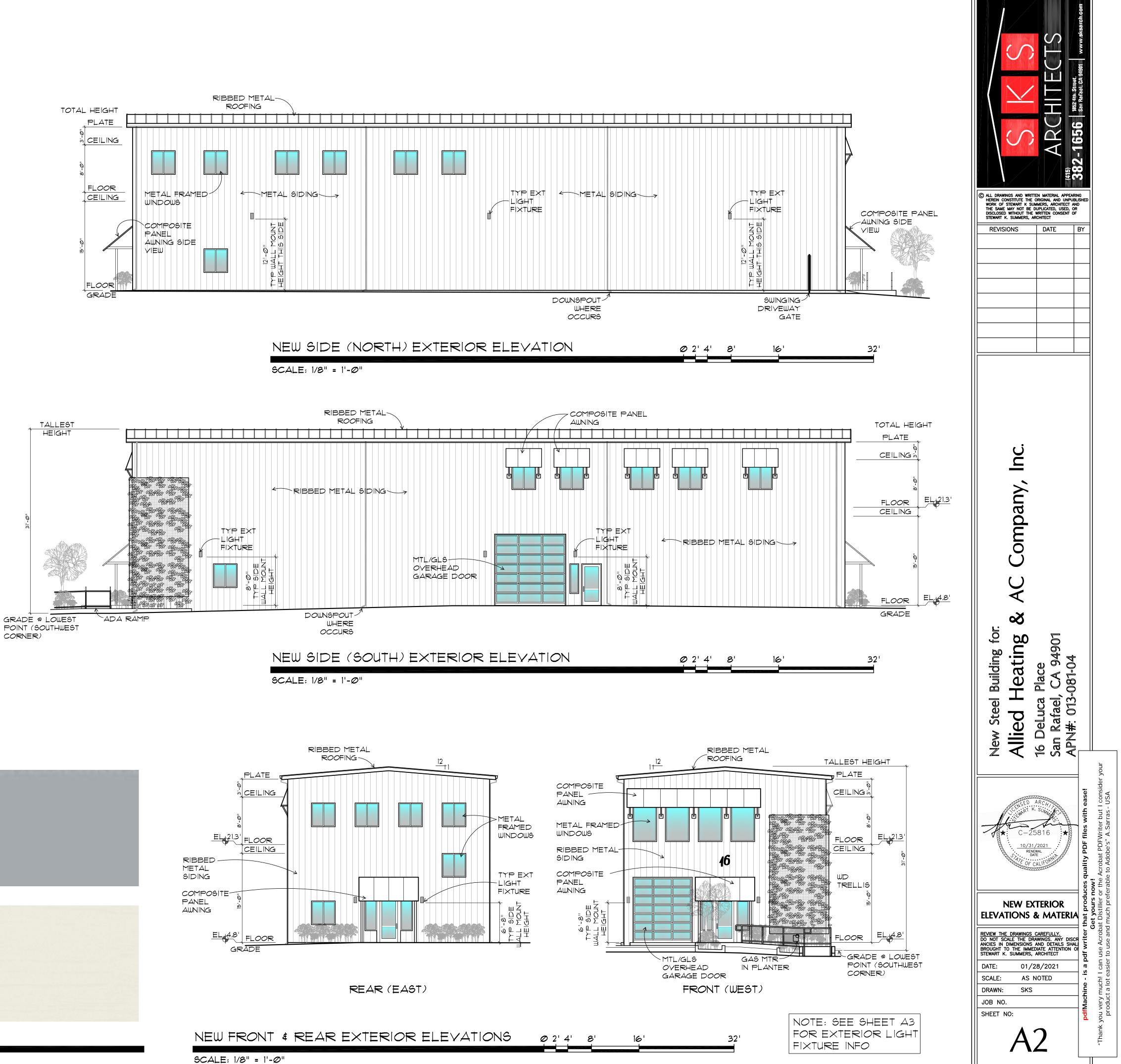


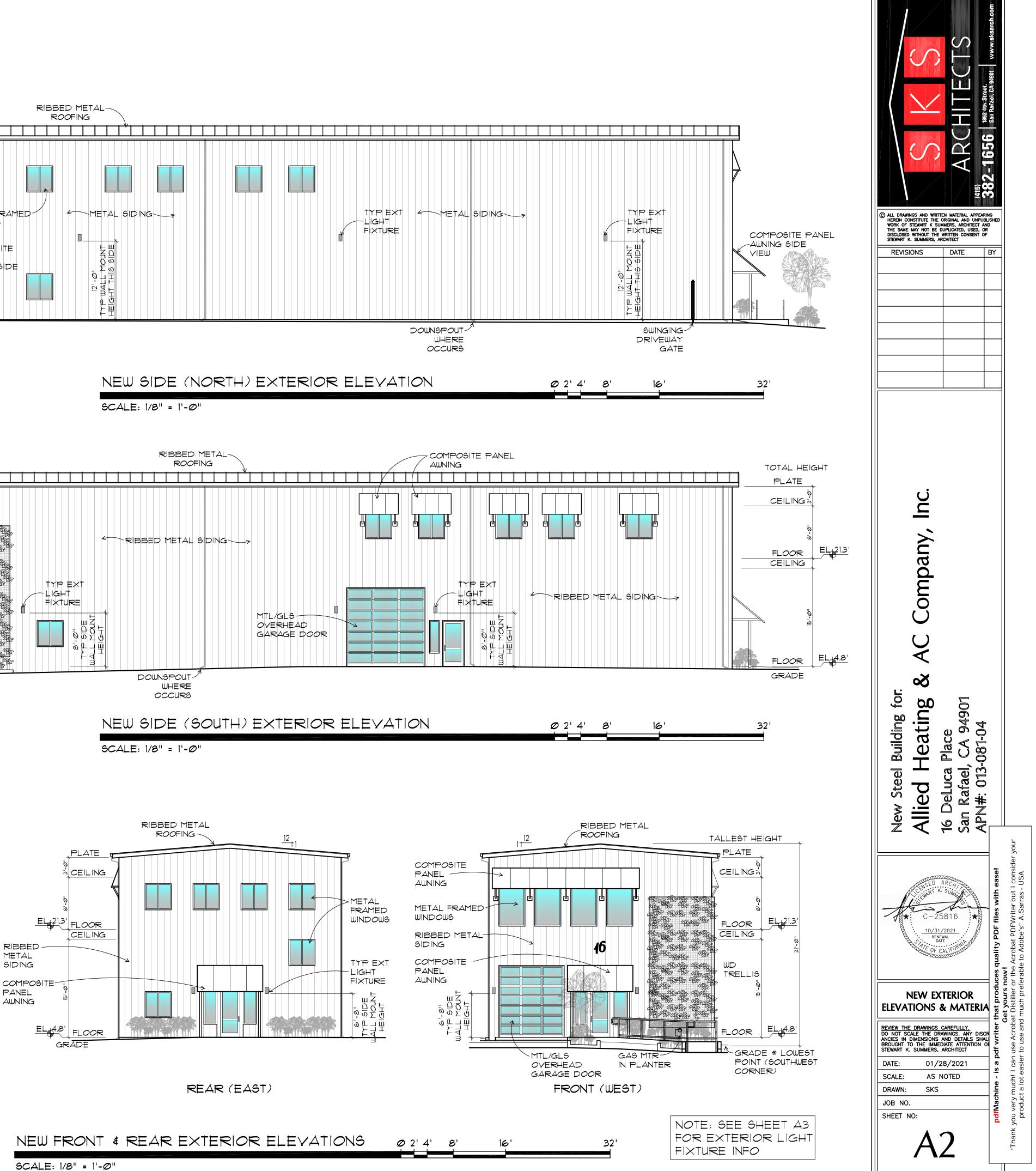
10 DELUCA PLACE EXISTING BUILDING (SIMILAR EXTERIOR MATERIALS USED FOR NEW BUILDING)

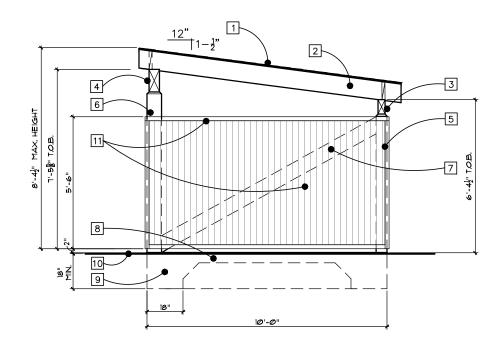




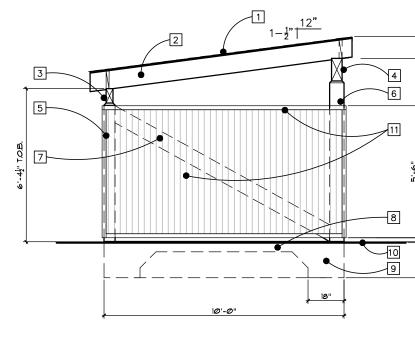








<u>RIGHT ELEVATION</u>



LEFT ELEVATION

TRAGH ENCLOSURE PLANS

SCALE: 1/4" = 1'-Ø"

# TRASH ENCLOSURE CONSTRUCTION NOTES #

1. CLASS "A" COMPO SHINGLES ROOFING OVER 2-LAYERS 30LB PAPERS 0VER 💱 STRUCT #1 PLY SHT'G - 2" PAINTED EDGE METAL

3. 4x8 CEDAR BEAM W/ SIMPSON CC46 CAP & CB66 BASE

4. 6x12 CEDAR BEAM W/ SIMPSON CC68 CAP & CB88 BASE

5. 6x6 CEDAR POSTS @ REAR (3 THUS)

6.8x8 CEDAR POSTS @ FRONT (2 THUS)

7, 2x8 P.T.D.F. DIAGONAL BRACE EACH CORNER

9. 18" DEEP x 18" WIDE CONCRETE FOOTING W/ (2) \*4 CONT. BARS - NOTE PROVIDE MIN 2" EDGE CLEARANCE FOR ALL BARS

10. GRADE - SLOPE PER CIVIL

11. PREPARED SUB-GRADE PER GEOTECH REPORT 12. RIBBED METAL SIDING TO MATCH MAIN BUILDING - PROVIDE 2" METAL "L" ADN "CHANNEL" TRIM AT SIDES, TOP, & BOTTOM EDGES

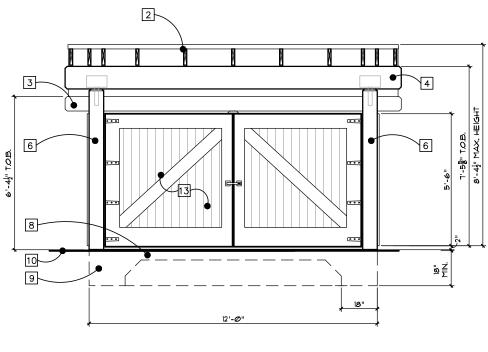
13. WOOD GATES - 2x8 P.T.D.F. FRAMES & DIAGONAL BRACES W/ 1x6 IPE FINISH (STAINED) - PROVIDE (4) HEAVY DUTY HINGES PER DOOR - PROVIDE GATE LATCH

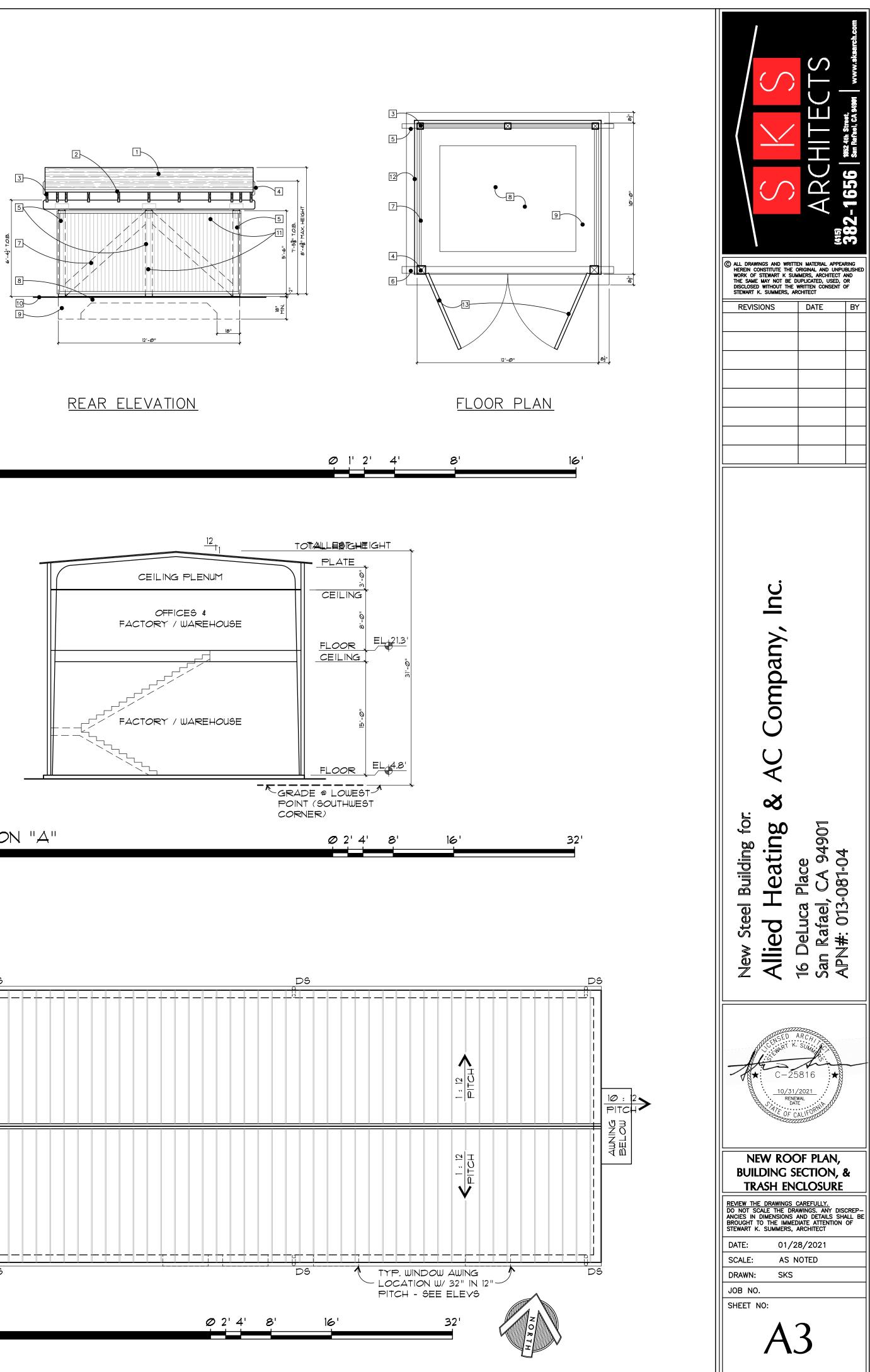


LITHONIA LIGHTING OUTDOOR WALL LIGHT LAMP: LED COLOR: BLACK STYLE: SHIELDED, DOWNLIGHT

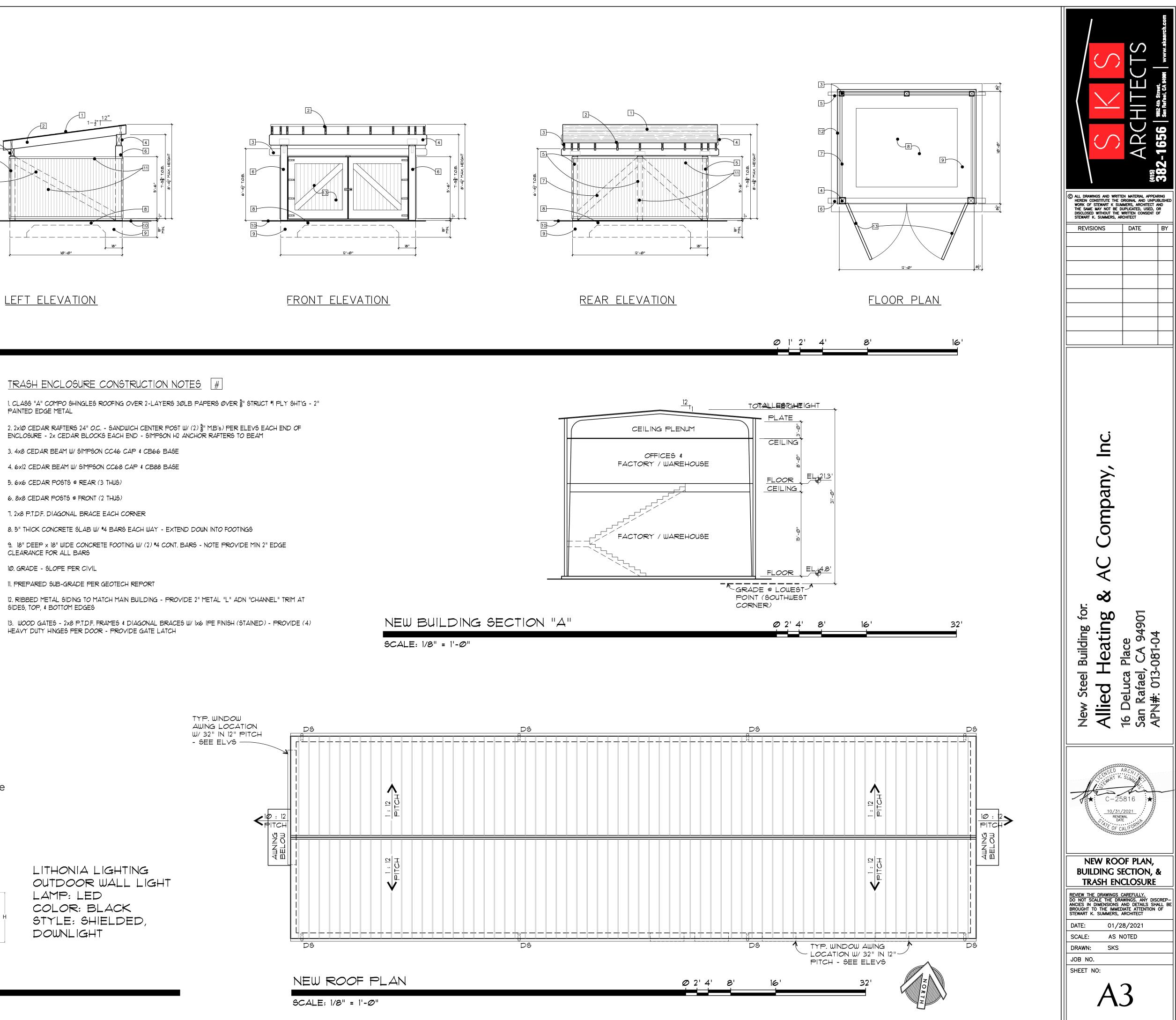
SCALE: NONE

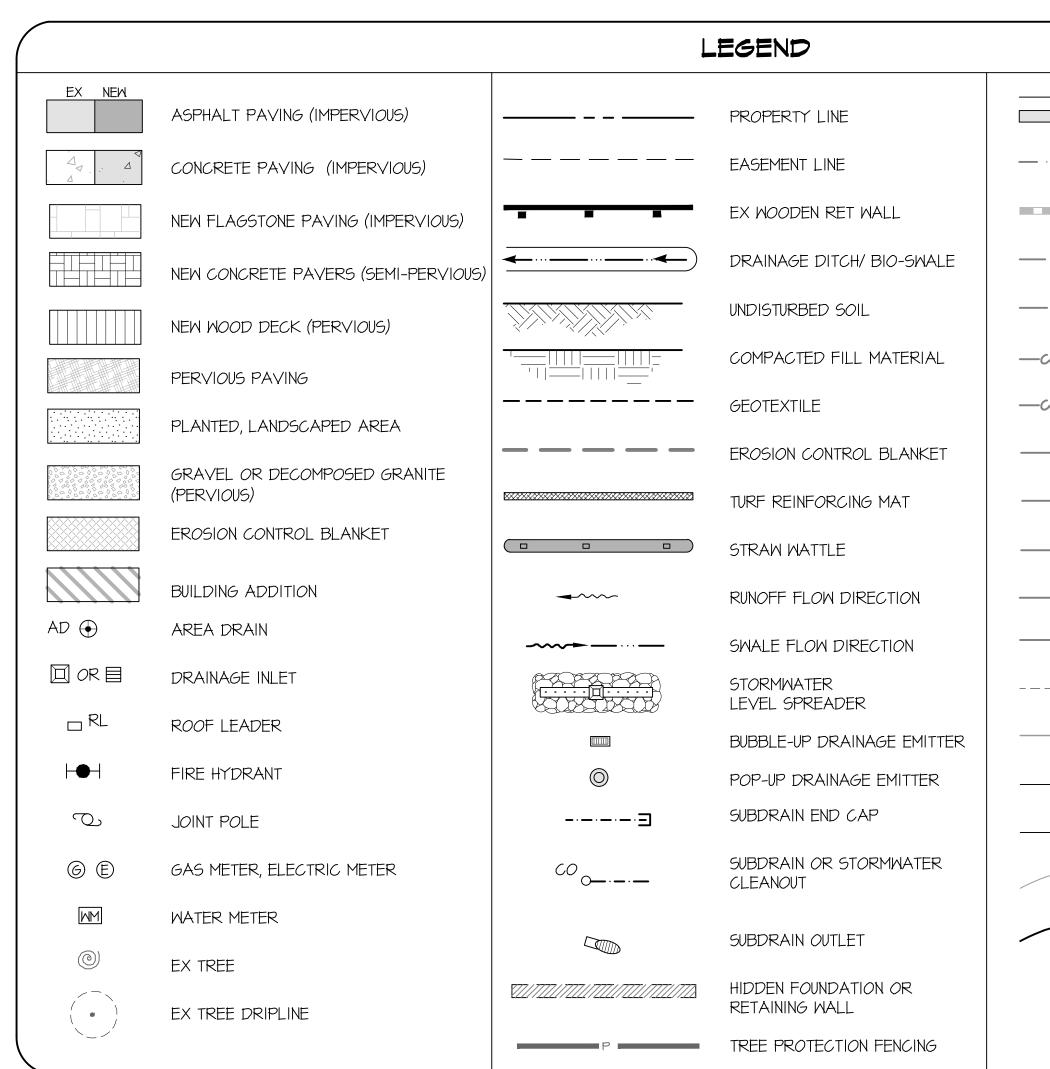






8.5" THICK CONCRETE SLAB W/ #4 BARS EACH WAY - EXTEND DOWN INTO FOOTINGS





# GENERAL NOTES:

- I. SITE SURVEY AND TOPOGRAPHIC BASE MAP PREPARED BY HIGH DEFINITION SURVEYING 1857 RAINIER CIRCLE, PETALUMA, CALIFORNIA 94954. 415-827-6370 WWW.1031survey.com. DATED 2020/07/12. VERTICAL DATUM: PRIMARY SMART RAILROAD CONTROL POINT #155 AS SHOWN ON THAT RECORD OF SURVEY FILED IN BOOK 2010, AT PAGE 96 BEING A 2-INCH DISK SET IN TOP OF A BOX CULVERT LEADING TO THE SAN RAFAEL CREEK, LOCATED SOUTHWESTERLY OF THE RAILROAD LYING APPROXIMATELY 320 FEET NORTHEASTERLY OF THE INTERSECTION OF ANDERSEN DRIVE AND DUBOIS STREET, ELEVATION=3.44, NAVD88 DATUM. A LOCAL BENCHMARK BEING A MAGNAIL & SHINER IS SET APPROXIMATELY IO FEET SOUTHWESTERLY OF THE TRANSFORMER ON DELUCA PLACE, ELEVATION=2.84, NAVD88 DATUM. BOUNDARY IS BASED ON A RESOLUTION AS PREPARED BY RECORD OF SURVEY, CURRENTLY IN THE REVIEW PROCESS AT THE COUNTY SURVEYOR'S OFFICE.
- 2. THE LOCATION OF EXISTING UNDERGROUND UTILITIES OR IMPROVEMENTS HAS NOT BEEN VERIFIED BY THE ENGINEER AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF INFORMATION SHOWN ON THE DRAWINGS. THE CONSTRUCTION CONTRACTOR MUST NOTIFY UTILITY COMPANIES AT LEAST TWO WORKING DAYS BEFORE EXCAVATION AND REQUEST FIELD LOCATION OF ALL UNDERGROUND UTILITIES. CALL UNDERGROUND SERVICE ALERT (USA) AT 811 OR 800-227-2600. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE LOCAL UTILITY ENGINEER, AT THE SOLE EXPENSE OF THE CONTRACTOR. ANY PROPERTY DAMAGE OR DAMAGE TO CONSTRUCTED FACILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND OWNER AT THE SOLE EXPENSE OF THE CONTRACTOR.

AN APPROVED EROSION CONTROL PLAN IS REQUIRED FOR ALL PROJECTS INVOLVING EXCAVATION, DRILLING, OTHER EARTHWORK OR EXPOSED BARE SOIL. THE PLAN MUST BE SUBMITTED TO THE TOWN ENGINEER AND APPROVED PRIOR TO STARTING WORK. IMPLEMENT EROSION CONTROL MEASURES YEAR ROUND AS APPROPRIATE. REGULARLY MONITOR EROSION CONTROL MEASURES AND PROMPTLY REPAIR OR REPLACE ANY DAMAGED OR INEFFECTIVE EROSION CONTROL MEASURES AS REQUIRED BY THE EROSION CONTROL PLAN. A SIGNED COPY OF THE EROSION CONTROL PLAN MUST BE POSTED AT THE WORK SITE.

# DRAINAGE CONSTRUCTION REVIEW

THE CONTRACTOR SHALL CONTACT THE ENGINEER AND REQUEST REVIEW OF ALL SUBSURFACE DRAINAGE PIPING AND STORMWATER DRAINAGE PIPING AT LEAST 2 DAYS BEFORE PLACING BACKFILL MATERIAL.

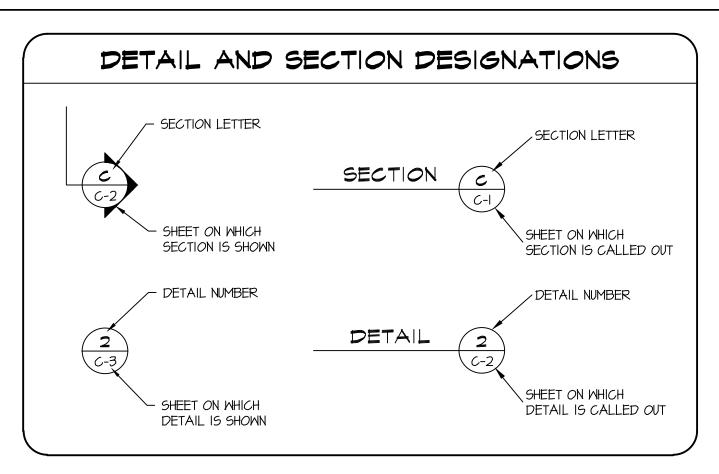
# FOUNDATION ELEVATIONS

BUILDING FOOTING, GRADE BEAM AND FOUNDATION WALL ELEVATIONS ARE SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. CONTACT THE ENGINEER IF ACTUAL SITE ELEVATIONS DIFFER FROM THE TOPOGRAPHY SHOWN ON THE GRADING PLAN. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL FOUNDATION ELEVATIONS WITH THE GRADING PLAN, ARCHITECTURAL PLANS, STRUCTURAL PLANS AND LANDSCAPE PLANS. CONTACT THE ENGINEER AND ARCHITECT TO RESOLVE ANY CONFLICTS BETWEEN FOUNDATION ELEVATIONS AND THE SITE TOPOGRAPHY.

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EX	NEW	CONC RETAINING WALL	
· · · ·		SUBDRAIN (PERFORATED PIPE)	
		STORM DRAIN PIPE	
- E/OH	——————————————————————————————————————	ELECTRICAL OVERHEAD LINE	
- E/UG	——ENG-——	ELECTRICAL UNDERGROUND	
сом/он	—сомон—	COMMUNICATION OVERHEAD LINE	
COM/UG —		COMMUNICATION UNDERGROUND	
—_TL		JOINT TRENCH	
<u> </u>		SANITARY SEWER	
— M —	——w——	WATER LINE	
— G —	G	GAS LINE	
/	/	EDGE OF ROAD	
		ROOF EAVE	
;	×	EX FENCE	
		NEW WIRE FENCE	
		NEW WOOD FENCE	
	30	EXISTING GRADE ELEVATION CONTOUR	
82		FINISHED GRADE ELEVATION CONTOUR	
85.5 x		FINISHED GRADE ELEVATION	
	K	REMOVE EX TREE	

# EROSION CONTROL PLAN



# UTILITY CONNECTION NOTES:

I. THE PROPOSED ALIGNMENT FOR UTILITY SERVICE CONNECTIONS HAS NOT BEEN APPROVED BY SERVICE PROVIDERS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY SERVICE PROVIDERS TO DETERMINE UTILITY ROUTES AND REQUIRED SERVICE UPGRADE DETAILS. REVIEW ALL PROPOSED UTILITY ROUTES AND UPGRADE DETAILS WITH THE ENGINEER PRIOR TO CONSTRUCTION.

2. UTILITY SERVICES TO THE PROJECT SITE ARE PROVIDED BY:

- WATER: MARIN MUNICIPAL WATER DISTRICT
- SEWER: SAN RAFAEL DEPARTMENT OF PUBLIC WORKS
- ELECTRIC POWER: PACIFIC GAS AND ELECTRIC (PG&E)
- GAS: PACIFIC GAS AND ELECTRIC (PG&E)
- TELEPHONE: AT&T
- CABLE: COMCAST
- 3. INSTALL NEW WATER SERVICE PIPE BETWEEN THE EXISTING WATER METER AND THE HOUSE. SIZE THE WATER SERVICE PIPE FOR THE REQUIRED FIRE SPRINKLER FLOW RATE. REPLACE THE WATER METER IF IT HAS INADEQUATE CAPACITY FOR THE MAXIMUM FIRE SPRINKLER FLOW RATE.
- 4. CONDUCT A VIDEO INSPECTION OF THE EXISTING SEWER LATERAL. REPAIR OR REPLACE THE LATERAL IF THE INSPECTION RESULTS SHOW THAT THE PIPE IS NOT IN SATISFACTORY CONDITION OR IF THE LATERAL DOES NOT COMPLY WITH CURRENT ROSS VALLEY SANITARY DISTRICT NO. I STANDARDS.

ESTIMATED EARTHWORK	QUANTITIES
EXCAVATION	120 CY
FILL	O CY
EXCESS	120 CY
MAX. EXCAVATION DEPTH	2 FT
MAX. FILL DEPTH	O FT
DISTURBED AREA	0.41 AC

# EARTHWORK NOTES:

- I. QUANTITIES ARE "IN-PLACE" ESTIMATES AND DO NOT INCLUDE AN ALLOWANCE FOR SHRINK OR SWELL. ESTIMATES ARE FOR PERMITTING PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY DETERMINING QUANTITIES FOR CONSTRUCTION PURPOSES.
- 2. LEGALLY DISPOSE OF EXCESS MATERIAL OFF-SITE.
- 3. SITE GRADING IS NOT PERMITTED BETWEEN OCTOBER 15 AND APRIL 15 UNLESS PERMITTED IN WRITING BY THE BUILDING OFFICIAL/ DIRECTOR OF PUBLIC WORKS.

# GREEN BUILDING STANDARDS

- THE GRADING AND DRAINAGE PLAN SHOWN ON THE DRAWINGS COMPLIES WITH CALIFORNIA GREEN BUILDING CODE STANDARDS SECTION 4.106.3 REQUIRING MANAGEMENT OF SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING BUILDINGS.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR MANAGING STORMWATER DRAINAGE DURING CONSTRUCTION TO PREVENT FLOODING OF ADJACENT PROPERTY, PREVENT EROSION AND RETAIN RUNOFF ON THE SITE AS REQUIRED BY CALIFORNIA GREEN BUILDING CODE STANDARDS SECTION 4.106.2.

	INDEX	of drawings	LTD Engineering, Inc 1050 Northgate Drive, Suite 45
DRAWING	NG NO. DESCRIPTION		San Rafael, CA 94903 Tel. 415.446.7402 Cell 415.717.8719 gdearth@LTDengineering.com
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6-5	DETAIL	2	LLIED HEATING & AC
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BPD	BACKWATER PREVEN	ION DEVICE	
CMP	CORRUGATED METAL		NOT FOR
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COM/OH COMMUNICATION OVERHEAD			
COMM/UG	COMMUNICATION UNDE	RGROUND	© LTD Engineering (1)c. 202
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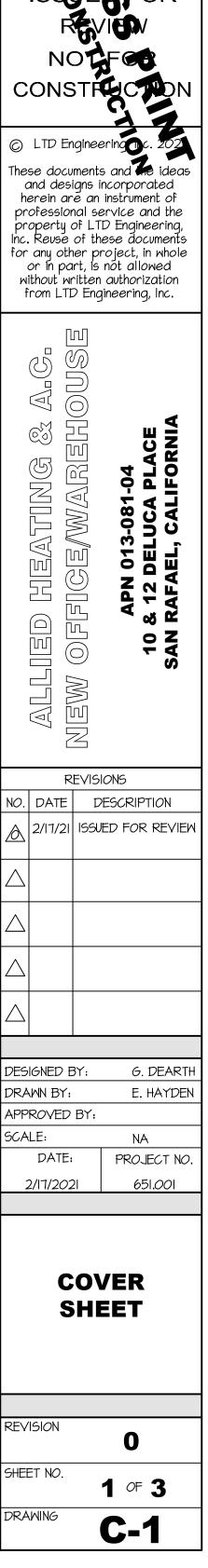
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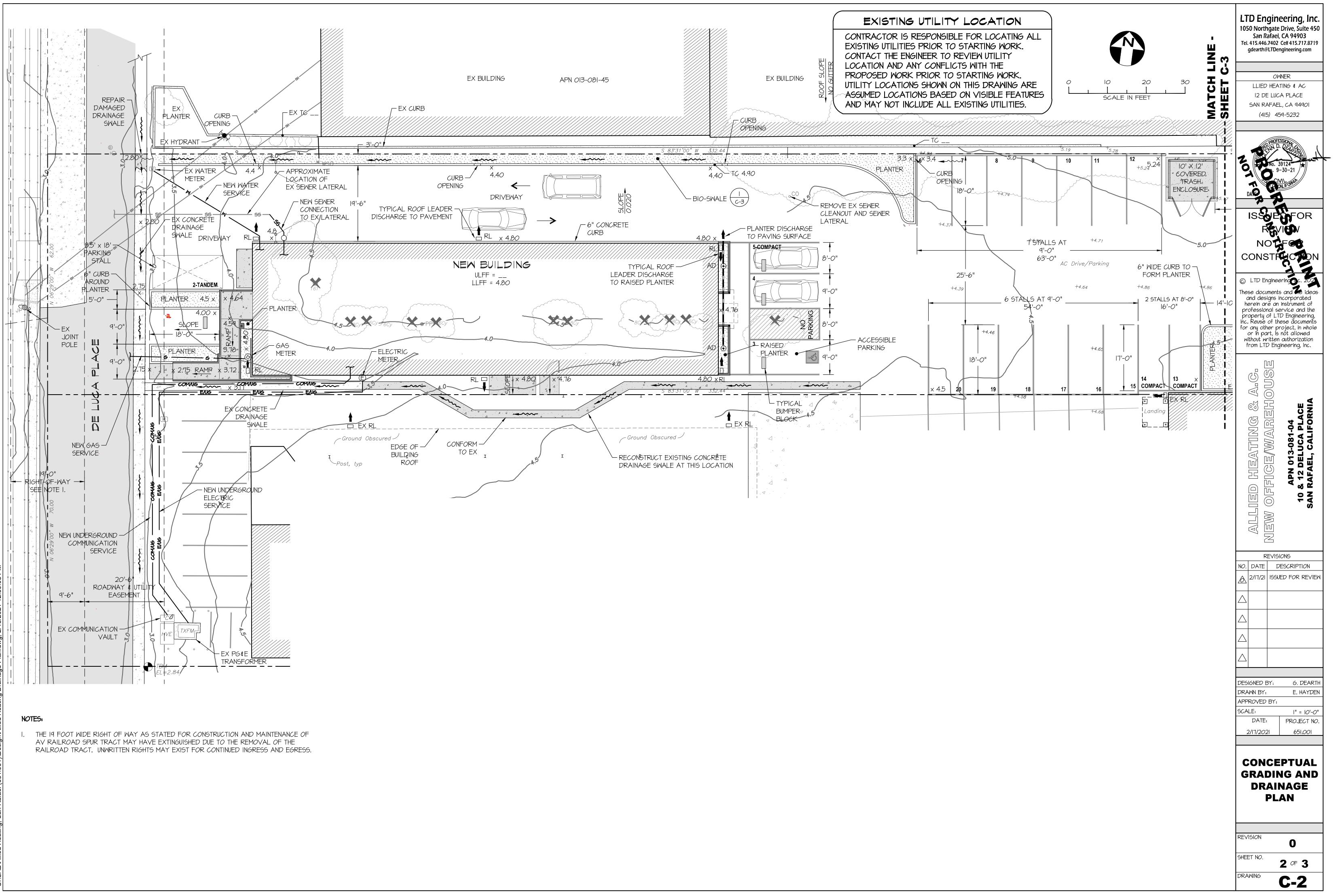
STORMWATER PLAN SUMMARY			
	EXISTING SITE	PROPOSED SITE DEVELOPMENT PLAN	
IMPERVIOUS SURFACES	20,483 SF	19,550 SF	
CONCRETE PAVERS (PERVIOUS)	0 SF	0 SF	
LANDSCAPE (PERVIOUS)	175 SF	1,108 SF	
TOTAL LOT AREA	20,658 SF	20,658 SF	

# STORMWATER NOTES:

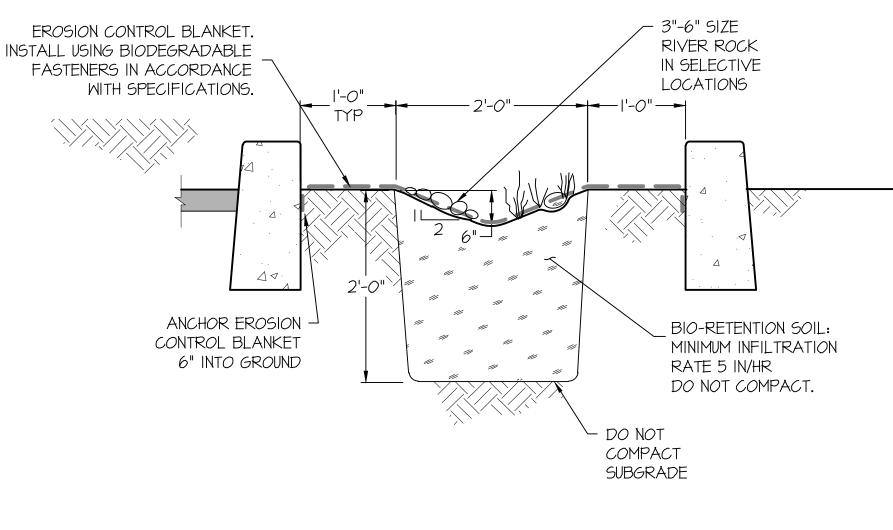
I. IMPERVIOUS SURFACES INCLUDE ROOF, DRIVEWAY AND PARKING. FOR DRAINAGE PURPOSES, IMPERVIOUS AREA INCLUDES ROOF EAVE OVERHANG AREA.

2. NEW OR REPLACEMENT IMPERVIOUS AREA IS 16,899 SF.





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BIO-SWALE SECTION NO SCALE

# DESIGN REVIEW NOTES

# STORMWATER DRAINAGE PLAN

- I. THE CONCEPTUAL STORMWATER DRAINAGE PLAN IS DESIGNED TO COMPLY WITH THE CITY REQUIREMENTS FOR ON-SITE STORMWATER MANAGEMENT AND CONTROL OF STORMWATER RUNOFF TO MINIMIZE OFF-SITE IMPACTS AND IMPROVE STORMWATER QUALITY.
- 2. THE EXISTING DEVELOPMENT ON THE SITE TOTALS 20,483 SQUARE FEET (SQ FT) OF IMPERVIOUS AREA. THIS INCLUDES ROOF AREA, IMPERVIOUS PARKING LOT AREA AND THE STREET. THE TOTAL LOT AREA IS 20,658 SQ FT. THE EXISTING IMPERVIOUS AREA AMOUNTS TO 99 PERCENT OF THE TOTAL LOT AREA.
- 3. THE PROPOSED DEVELOPMENT PLAN REMOVES 849 SQ FT OF EXISTING IMPERVIOUS AREA, GIVING A TOTAL OF 19,634 SQ FT OF IMPERVIOUS AREA. THE PROPOSED TOTAL IMPERVIOUS AREA AMOUNTS TO 95 PERCENT OF THE LOT AREA.
- 4. RUNOFF FROM IMPERVIOUS AREA WILL BE DIRECTED TO PLANTERS IN THE PARKING LOT AND A BIO-SWALE ALONG THE NORTH SIDE OF THE MAIN DRIVVEWAY. THE IMPERVIOUS AREA DIRECTED TO THE BIO-SWALE AND PLANTERS INCLUDES THE ENTIRE ROOF AREA OF THE BUILDING AND A LARGE PART OF THE PARKING LOT.

# EROSION CONTROL

I. EROSION CONTROL MEASURES WILL BE INCORPORATED INTO THE PROJECT DURING CONSTRUCTION AND IMPLEMENTED BY THE CONSTRUCTION CONTRACTOR. STRAW WATTLES WILL BE PLACED AROUND THE DOWN-SLOPE PERIMETER OF THE DISTURBED AREA. EXCAVATED AREAS AND SOIL STOCKPILES WILL BE COVERED WITH PLASTIC TARPS TO MINIMIZE EROSION. AREAS DISTURBED DURING CONSTRUCTION WILL BE RESTORED BY SEEDING AND INSTALLATION OF EROSION CONTROL BLANKET AND STRAW WATTLES.

2. PERMANENT EROSION CONTROL WILL BE PROVIDED BY LANDSCAPING THE BIO-SWALE AND PLANTERS AFTER COMPETION OF THE WORK.

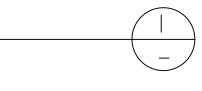
# STORMWATER POLLUTION PREVENTION

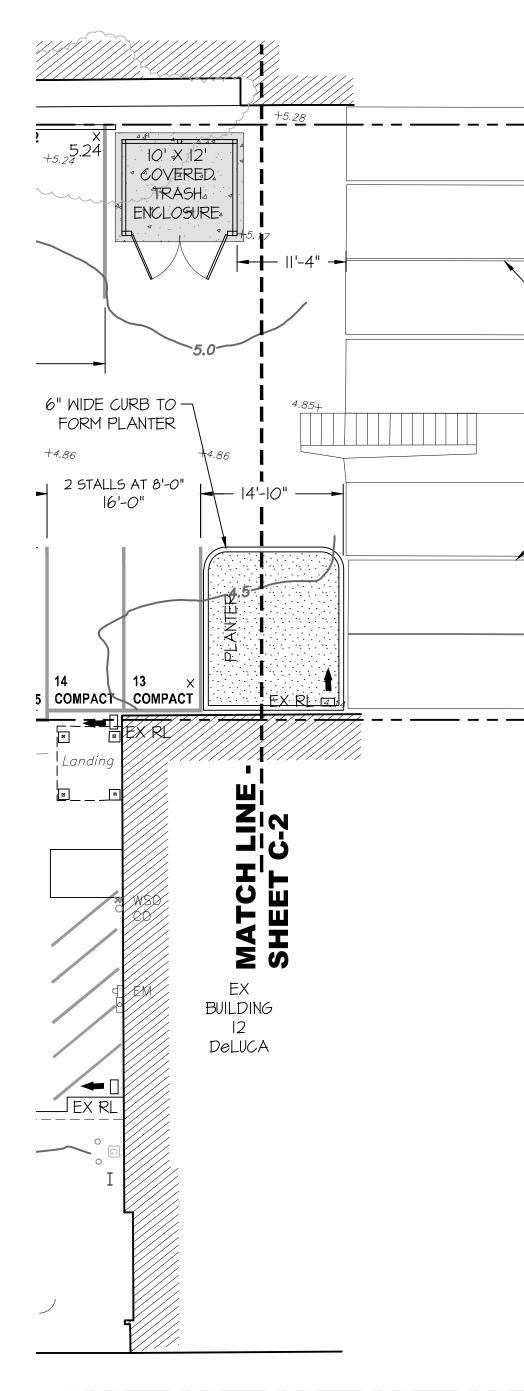
I. SPECIFICATIONS WILL BE INCLUDED ON THE PROJECT DRAWINGS OUTLINING CONSTRUCTION PRACTICES THAT MUST BE FOLLOWED TO PREVENT STORMWATER POLLUTION. CONSTRUCTION WORKERS WILL BE ADVISED OF REQUIRED CONSTRUCTION MEASURES FOR AVOIDING STORMWATER POLLUTION. THESE MEASURES WILL INCLUDE PROCEDURES FOR MATERIAL STORAGE, USE AND DISPOSAL OF HAZARDOUS MATERIALS (PAINT, SOLVENTS, ADHESIVES, ETC.), WASTE DISPOSAL PROCEDURES, CONCRETE WASHOUT REQUIREMENTS AND OTHER CONSTRUCTION PRACTICES.

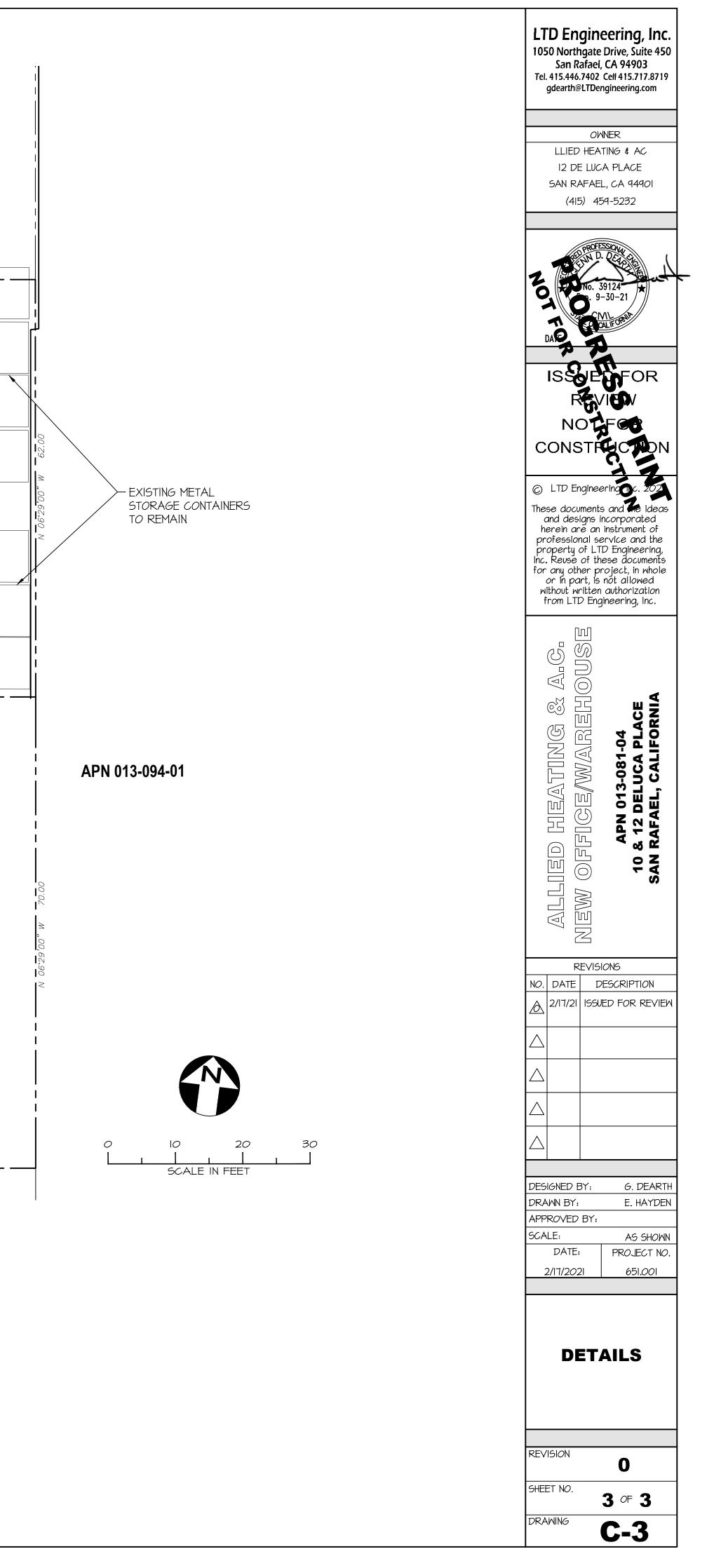
# UTILITY PLAN

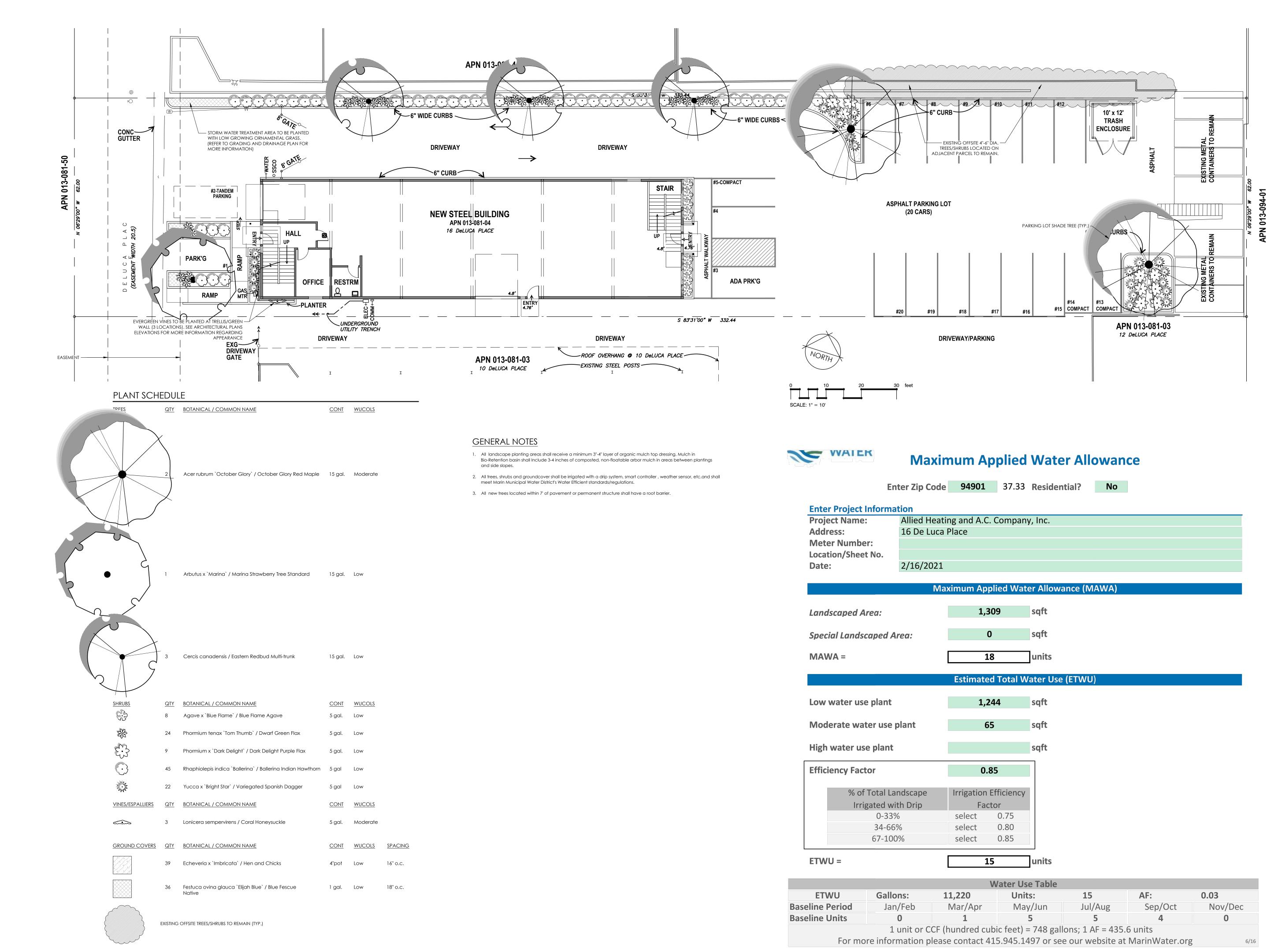
- I. WATER: THE EXISTING WATER METER WILL BE REPLACED WITH AN APPROPRIATELY SIZED METER FOR THE NEW HOUSE. A NEW PIPE WILL BE INSTALLED FROM THE METER TO THE BUILDINGFOLLOWING THE ALIGNMENT SHOWN ON DRAWING C-2. ALL WATER SYSTEM IMPROVEMENTS WILL BE COMPLETED IN CONFORMANCE WITH MARIN MUNICIPAL WATER DISTRICT STANDARDS.
- 2. ELECTRIC POWER: THE EXISTING OVERHEAD ELECTRIC SERVICE AND METER WILL BE RELOCATED UNDERGROUND AS SHOWN ON DRAWING C-2. ALL ELECTRIC POWER SYSTEM IMPROVEMENTS WILL BE COORDINATED WITH PACIFIC GAS AND ELECTRIC (PG&E) AND COMPLETED IN CONFORMANCE WITH PG&E STANDARDS.
- 3. COMMUNICATION: THE EXISTING OVERHEAD PHONE AND CABLE SERVICE WILL BE RELOCATED UNDERGROUND AS SHOWN ON DRAWING C-2. ALL COMMUNICATION SYSTEM IMPROVEMENTS WILL BE COORDINATED WITH AT&T AND COMCAST. THE WORK WILL BE COMPLETED IN CONFORMANCE WITH THEIR STANDARDS.
- 4. NATURAL GAS: THE EXISTING GAS METER AND SERVICE LINE WILL BE RELOCATED AS SHOWN ON DRAWING C-2. ALL GAS SYSTEM IMPROVEMENTS WILL BE COORDINATED WITH PACIFIC GAS AND ELECTRIC (PG&E) AND COMPLETED IN CONFORMANCE WITH PG&E STANDARDS.
- 5. SANITARY SEWER: A VIDEO INSPECTION OF THE EXISTING SEWER LATERAL WILL BE CONDUCTED. IF THE LATERAL DOES NOT PASS INSPECTION, IT WILL REPLACED WITH A NEW LATERAL AND BACK FLOW PREVENTION DEVICE CONFORMING TO ROSS VALLEY SANITARY DISTRICT STANDARDS AS SHOWN ON DRAWING C-2. MOST OF THE EXISTING LATERAL BENEATH THE EXISITING BUILDING WILL BE REMOVED AND A SHORT SHECTION OF NEW LATERAL CONSTRUCTED TO CONNECT THE NEW BUILDING TO THE EXISTING LATERAL AS SHOWN ON DRAWING C-2.

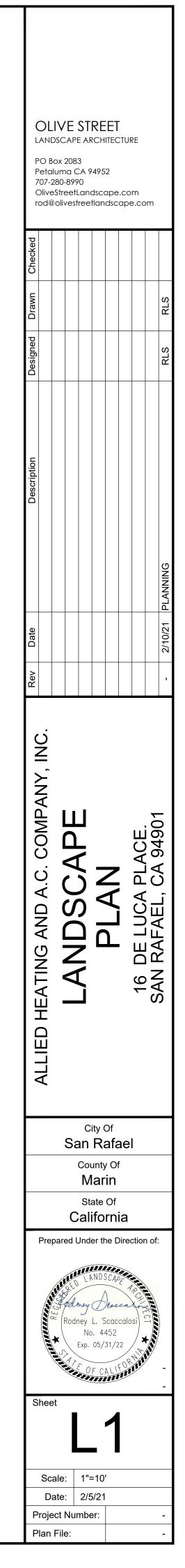
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