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# VOLUME I OF I

ISSUED FOR:
PERMIT RESUBMITTAL

ISSUE DATE:
JUNE 24, 2019

SG Project # 21739.000

Plot Date: 3/31/2020 5:13:38 PM

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# PROJECT GENERAL NOTES

THE FOLLOWING PROJECT GENERAL NOTES APPLY TO THE ENTIRE DRAWING SET AND ARE NOT SPECIFIC TO ANY ONE DISCIPLINE, UNLESS OTHERWISE NOTED:

A. THE CONSTRUCTION DOCUMENTS (DRAWING SET AND SPECIFICATIONS) ARE COMPLEMENTARY AND ESTABLISH DETAILED MINIMUM REQUIREMENTS FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT.

B. THIS DRAWING SET, WHEN COMPLETE, CONSISTS OF ALL SHEETS LISTED BY THE SHEET INDEX. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO DRAWINGS OF ANOTHER DISCIPLINE.

PARTIAL DRAWING SETS ARE INCOMPLETE. DO NOT DISTRIBUTE OR UTILIZE PARTIAL DRAWINGS SETS.

C. COLUMN GRID LINES IDENTIFIED BY A LETTER DESIGNATION ARE PARALLEL, UNLESS OTHERWISE NOTED. COLUMN GRID LINES IDENTIFIED BY A NUMBER DESIGNATION ARE PARALLEL AND ARE PERPENDICULAR TO THOSE WITH LETTER DESIGNATIONS, UNLESS OTHERWISE NOTED.

D. DISCIPLINE GENERAL NOTES, SYMBOLS AND DEFINITIONS APPLICABLE TO EACH DISCIPLINE'S DRAWINGS MAY BE FOUND AT THE FRONT OF EACH DISCIPLINE'S PORTION OF THE DRAWING SET AND ARE LISTED AS PART OF THE OVERALL PROJECT SHEET INDEX.

E. THE 'ARCHITECTURAL' SERIES DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES.

F. THE DRAWINGS MAY MAKE REFERENCE TO AND/OR ILLUSTRATE ITEMS WHICH ARE NOT PART OF THE WORK OF THE CONTRACT. THESE "NOT IN CONTRACT" ITEMS AS INDICATED ARE REFERENCED AND/OR ILLUSTRATED FOR THE CONTRACTOR'S REFERENCE, INFORMATION AND COORDINATION ONLY.

G. EXISTING CONDITIONS, IF SHOWN, ARE FROM AVAILABLE RECORD DRAWINGS AND OR VISUAL FIELD SURVEYS. THE CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID, AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

H. TAKE PRECAUITIONS TO MAINTAIN AND PROTECT NEW WORK AS WELL AS EXISTING SYSTEMS AND ELEMENTS, IF ANY, WHICH ARE TO REMAIN. ANY DAMAGE TO SUCH SYSTEMS AND ELEMENTS SHALL BE IMMEDIATELY REPAIRED IN A MANNER ACCEPTABLE TO THE ARCHITECT. IF SATISFACTORY REPAIRS CANNOT BE MADE, REPLACE SYSTEMS AND ELEMENTS WITH "LIKE NEW" QUALITY ACCEPTABLE TO THE ARCHITECT. ALL REPAIRS AND REPLACEMENT COST SHALL BE THE FINANCIAL RESPONSIBILITY OF THE RESPONSIBLE PARTY.

J. ALL PARTS OF THE WORK, INCLUDING MATERIALS, METHODS, ASSEMBLIES, ETC., MUST COMPLY WITH THE REQUIREMENTS OF THE GOVERNING CODES AND REGULATIONS OF ALL FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT, AS WELL AS THOSE GREATER REQUIREMENTS INDICATED BY THE CONTRACT DOCUMENTS. NO PART OF THE CONTRACT DOCUMENTS MAY BE CONSTRUED TO REQUIRE OR PERMIT WORK CONTRARY TO A GOVERNING CODE OR REGULATION

K. IDENTIFY AND NOTIFY THE ARCHITECT/ENGINEER OF CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT/ENGINEER AND OWNER.

L. REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT BEFORE COMMENCING CONSTRUCTION, AND ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.

# PROJECT SUSTAINABILITY STATEMENT

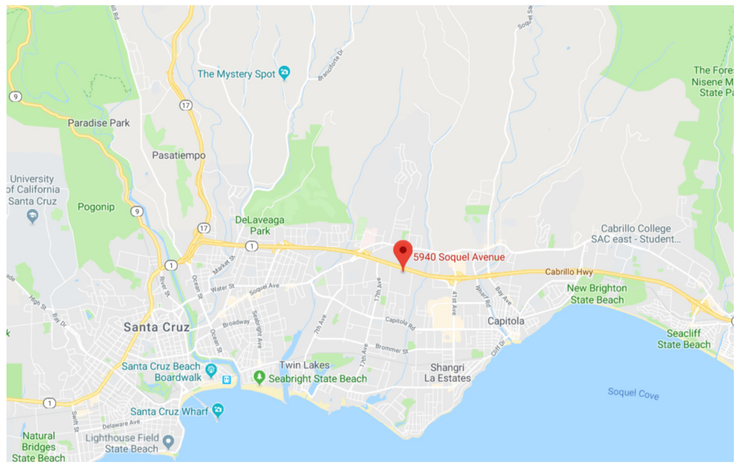
THIS PROJECT IS REGISTERED UNDER THE LEED ® GREEN BUILDING PROGRAM ADMINISTERED BY THE GREEN BUILDING CERTIFICATION INSTITUTE (GBCI). THE PROJECT MANUAL SECTION TITLED "SUSTAINABLE DESIGN REQUIREMENTS" OUTLINES THE SPECIFIC CRITERIA TO BE ACHIEVED IN THIS PROJECT TO OBTAIN LEED GOLD CERTIFICATION BASED ON GBCI's V4 HC.

SmithGroup is a member in good standing of the USGBC

# PROJECT DESCRIPTION

The Santa Cruz Medical Office Building (MOB) and site readiness project in Santa Cruz, California includes design and construction of a new 160,000 GSF 4-story (with rooftop mechanical) Specialty Medical Office Building (SMOB), 5-level parking structure (720 spaces), and associated site development at 5940 Soquel Avenue in Santa Cruz, CA 95062.

# VICINITY MAP




# PROJECT TEAM

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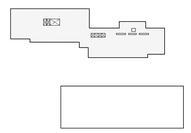
| ISSUED FOR | REV | DATE |
|---|---|---|
| PERMIT RESUBMITTAL | | 06/24/2019 |
| PERMIT APPLICATION | | 03/27/2019 |
| PRE-APPLICATION SUBMITTAL | | 08/23/2018 |

SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEYPLAN



SHEET TITLE

GENERAL PROJECT INFORMATION AND SHEET INDEX

PROJECT NUMBER 21739.000

SD

SHEET NUMBER G1.1.0

Plot Date: 3/31/2020 3:37:53 PM START Sheet

# PROJECT CODE SUMMARY

## BUILDING CLASSIFICATION:

*OCCUPANCY CLASSIFICATION AND CONSTRUCTION TYPES PER CBC CHAPTERS 3, 4, 5, AND 6*

BASIC OCCUPANCY GROUP(S) : *[PER CBC CHAPTER 3]*

| | | |
|---|---|---|
| ○ GROUP A-1 | ○ GROUP A-2 | ○ GROUP A-3 |
| ○ GROUP A-4 | ○ GROUP A-5 | ● GROUP B |
| ○ GROUP E | ○ GROUP F-1 | ○ GROUP F-2 |
| ○ GROUP H-1 | ○ GROUP H-2 | ○ GROUP H-3 |
| ○ GROUP H-4 | ○ GROUP H-5 | ○ GROUP I-1 |
| ● GROUP I-2.1 | ○ GROUP I-3 | ○ GROUP I-4 |
| ○ GROUP M | ○ GROUP R-1 | ○ GROUP R-2 |
| ○ GROUP R-3 | ○ GROUP R-4 | ○ GROUP S-1 |
| ○ GROUP S-2 | ○ GROUP U | |

MIXED USE AND OCCUPANCY : *[PER CBC SECTION 508 & 509]*

● ACCESSORY OCCUPANCIES *CIBC 508.2]*
[Accessory Occupancies <10% of Story]
● INCIDENTAL USES *[CBC SECTION 509]*
○ NONSEPARATED OCCUPANCIES' *[CBC 508.3]*
● SEPARATED OCCUPANCIES *[CBC 508.4]*

*REFER TO FIRE AND LIFE SAFETY PLANS FOR SEPARATION REQUIREMENTS

| TYPE(S) OF CONSTRUCTION : *[PER CBC CHAPTER 6]* | | | |
|---|---|---|---|
| | TYPE I : | ○ A | ○ B |
| | TYPE II : | ● A | ○ B |
| | TYPE III : | ○ A | ○ B |
| | TYPE IV : | ○ HT | |
| | TYPE V : | ○ A | ○ B |

SPECIAL DETAILED REQUIREMENTS :

○ HIGH-RISE BUILDING *[PER CBC SECTION 403]*
● ATRIUM *[PER CBC SECTION 404]*
● OPEN PARKING GARAGE *[PER CBC SECTION 406.5]*
● GROUP I-2: (I-2.1) *[PER CBC SECTION 407]*
- SMOKE COMPARTMENTS
- REFUGE AREA
○ HAZARDOUS MATERIALS: *[PER CBC SECTION 414]*
- CONTROL AREAS
○ MEZZANINE *[PER CBC SECTION 505]*
○ EQUIPMENT PLATFORM *[PER CBC SECTION 505]*

## BUILDING AREA CALCULATIONS:

*PER CBC CHAPTER 5*

○ UNLIMITED AREA ALLOWED *(PER CBC TABLE 503)*
○ UNLIMITED HEIGHT ALLOWED *(PER CBC TABLE 503)*

○ UNLIMITED AREA BUILDING *(PER CBC SECTION 507)*
○ NONSPRINKLERED, ONE-STORY, 60 FOOT YARDS
○ SPRINKLERED, ONE-STORY ABOVE GRADE PLANE, 60' YARDS
○ SPRINKLERED, TWO STORIES ABOVE GRADE PLANE, 60' YARDS

● AUTOMATIC SPRINKLER SYSTEM INCREASE USED FOR ALLOWABLE HEIGHT MODIFICATION *(PER CBC 504.2)*
○ 20 FEET AND ONE STORY

○ NO ALLOWABLE HEIGHT OR AREA MODIFICATIONS USED

● ALLOWABLE AREA MODIFICATIONS USED PER THE ALLOWABLE AREA CALCULATIONS ON THIS SHEET:

● BUILDING AREA MODIFICATIONS *(PER CBC EQUATION 5-1)*
○ FRONTAGE INCREASE *(PER CBC EQUATION 5-2)*

### AREA SCHEDULE (GROSS BUILDING)

HEALTH HUB
FLOOR AREA: 160,000 SQ FEET
LEVEL 2: 45,950 SQ FEET (SURGERY, HEALTH CLINICS)
LEVEL 3: 46,400 SQ FEET (HEALTH CLINICS)
LEVEL 4: 21,250 SQ FEET (HEALTH CLINICS, ADMINISTRATION)

## MINIMUM FIRE-RESISTANCE REQUIREMENTS:

FIRE-RESISTIVE RATING REQUIREMENTS FOR BUILDING ELEMENTS : *[PER CBC TABLE 601]*

**TYPE OF CONSTRUCTION:** *IIA*

| | |
|---|---|
| PRIMARY STRUCTURAL FRAME : | *1 HOURS* |
| BEARING WALLS (EXT) : | *1 HOURS* |
| BEARING WALLS (INTR) : | *1 HOURS* |
| NON-BRG WALLS AND PARTITIONS (EXT) *PER CBC TABLE 602:* | *0 HOURS* |
| NON-BRG WALLS AND PARTITIONS (INTR) : | *0 HOURS* |
| FLOOR CONSTR AND SECONDARY MEMBERS : | *1 HOURS* |
| ROOF CONSTR AND SECONDARY MEMBERS : | *1 HOURS* |

*PER CBC TABLE 508.4*
FLOOR CONSTRUCTION SEPARATING I-2.1 FROM B OCCUPANCY: *2 HOURS*

FIRE-RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE *[X] [PER IBC TABLE 602]*

| CONSTRUCTION TYPE / OCCUPANCY | *IIB / B* | *IIA / B* |
|---|---|---|
| X < 5 FT | *1 HOURS* | *1 HOURS* |
| 5 FT < X < 10 FT | *1 HOURS* | *1 HOURS* |
| 10 FT < X < 30 FT | *1 HOURS* | *1 HOURS* |
| X > 30 FT | *0 HOURS* | *0 HOURS* |

MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE: *[PER IBC TABLE 705.8 EXCEPTION 2]*

| FIRE SEPARATION DISTANCE | DEGREE OF PROTECTION (UP, NS) | (UP, S) | (P) |
|---|---|---|---|
| 0 < 3 FT | NP | NP | NP |
| 3 < 5 FT | NP | 15% | 15% |
| 5 < 10 FT | 10% | 25% | 25% |
| 10 < 15 FT | 15% | 45% | 45% |
| 15 < 20 FT | 25% | 75% | 75% |
| 20 < 25 FT | 45% | NL | NL |
| 25 < 30 FT | 70% | NL | NL |
| 30 FT > | NL | NR | NR |

UNLIMITED UNPROTECTED OPENINGS

ADDITIONAL FIRE-RESISTIVE RATINGS :

| DESCRIPTION | CODE SECTION | RATING (HR) |
|---|---|---|
| SHAFT ENCLOSURES | *CBC 713.4* | |
| FOUR STORIES OR MORE : | | 2 |
| LESS THAN FOUR STORIES: | | 1 |
| EXIT ENCLOSURES | *CBC 1022.2* | |
| FOUR STORIES OR MORE : | | 2 |
| LESS THAN FOUR STORIES: | | 1 |
| EXIT PASSAGEWAYS : | *CBC 1023.3* | 1 |
| HOISTWAY ENCLOSURES : | *CBC 3002.1* | 1 |
| ELEVATOR MACHINE ROOMS : | *CBC 3006.4* | 1 |

CORRIDORS: *[CBC TABLE 1018.1]* SPRINKLERED: ●

| | | |
|---|---|---|
| OCCUPANCY: *A-3* | OCC LOAD SERVED: *All* | RATING (HR): *0* |
| OCCUPANCY: *B* | OCC LOAD SERVED: *All* | RATING (HR): *0* |
| OCCUPANCY: *I2.1* | OCC LOAD SERVED: *All* | RATING (HR): *1* |

**FIRE DOOR AND FIRE SHUTTER FIRE PROTECTION RATINGS (hours): [PER CBC TABLE 716.5]**

| TYPE OF ASSEMBLY | REQ'D ASSEMBLY RATING | MIN. FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING |
|---|---|---|
| Fire walls and fire barriers havings required fire-resistance rating greater than 1 hour | 4 | 3 |
| | 3 | 3 |
| | 2 | 1 1/2 |
| | 1 1/2 | 1 1/2 |
| Fire barriers having a required fire-resistance rating of 1 hour | | |
| Shaft, exit enclosure and exit passageway walls: | 1 | 1 |
| Other fire barriers: | 1 | 3/4 |
| Fire partitions | | |
| Corridor walls: | 1 | 1/3 |
| | 0.5 | 1/3 |
| Other fire partitions: | 1 | 3/4 |
| | 0.5 | 1/3 |
| Exterior Walls | 3 | 1 1/2 |
| | 2 | 1 1/2 |
| | 1 | 3/4 |
| Smoke Barriers | 1 | 1/3 |

## MEANS OF EGRESS:

*REFER TO THE LIFE SAFETY PLANS FOR ACTUAL MEASURED DISTANCES.

**DOORS :**
*[PER CBC 1008.1.1]*
THE MINIMUM CLEAR WIDTH AND HEIGHT OF A DOOR SHALL NOT BE LESS THAN 32 INCHES AND 80 INCHES RESPECTIVELY.

*[PER CBC 1008.1.2]*
DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL, WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS.

**COMMON PATH OF EGRESS TRAVEL (CBC 1014.3)**

| OCCUPANCY | SPRINKLERED | MAX. DISTANCE |
|---|---|---|
| A-3 | YES | *75'-0"* |
| B | YES | *100'-0"* |
| I2.1 | YES | *75'-0"* |

**EXIT ACCESS TRAVEL DISTANCE (CBC TABLE 1016.2)**

| OCCUPANCY | SPRINKLERED | MAX. DISTANCE |
|---|---|---|
| A-3 | YES | *250'-0"* |
| B | YES | *300'-0"* |
| I2.1 | YES | *200'-0"* |

**DEAD ENDS (CBC TABLE 1018.4)**

| OCCUPANCY | SPRINKLERED | MAX. DISTANCE |
|---|---|---|
| A-3 | YES | *20'-0"* |
| B | YES | *50'-0"* |
| I2.1 | YES | *20'-0"* |

**MIN. NUMBER OF EXITS FOR OCCUPANT LOAD (CBC TABLE 1021.1)**

| OCCUPANCT LOAD | MIN. # OF EXITS PER STORY |
|---|---|
| 1-500 | 2 |
| 501-1,000 | 3 |
| MORE THAN 1,000 | 4 |

## EXIT CAPACITY FACTORS:

*[PER CBC 1005.1]*

**MINIMUM REQUIRED EGRESS WIDTH :** ● SPRINKLERED
STAIRWAYS *0.3*
OTHER EGRESS COMPONENTS *0.2*

*REFER TO THE LIFE SAFETY PLANS FOR COMPLIANCE WITH MEANS OF EGRESS WIDTH REQUIREMENTS.

## LIFE SAFETY SYSTEMS:

*(PER IBC AND IFC CHAPTER 9)*

AUTOMATIC SPRINKLER SYSTEM : ● PROVIDED PER NFPA 13

ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS : ○ PROVIDED - REFER TO FIRE PROTECTION DRAWINGS

STANDPIPE SYSTEM : ● PROVIDED PER NFPA 14 : CLASS I

PORTABLE FIRE EXTINGUISHERS : ● PROVIDED PER NFPA 10

FIRE ALARM SYSTEM : ● PROVIDED PER NFPA 72

Combustible construction is not permitted except as allowed per CBC Section 603.

# CODES / STANDARDS

## APPLICABLE CODES/CRITERIA/DESIGN POLICY:

AUTHORITY HAVING JURISDICTION:
*County of Santa Cruz*

**CALIFORNIA BUILDING CODES**

| | | |
|---|---|---|
| | CALIFORNIA CODE OF REGULATIONS, TITLE 19- PUBLIC UTILITY | 2016 |
| (CBC) | CALIFORNIA BUILDING CODE-CALIFORNIA CODE OF REGULATIONS TITLE 24 PART 2 | 2016 |
| | CALIFORNIA ENERGY CODE-CALIFORNIA CODE OF REGULATIONS TITLE 24 PART 6 | 2016 |
| (CMC) | CALIFORNIA MECHANICAL CODE | 2016 |
| (CEC) | CALIFORNIA ELECTRICAL CODE | 2016 |
| (CPC) | CALIFORNIA PLUMBING CODE | 2016 |
| | CALIFORNIA FIRE CODE | 2016 |
| | CALIFORNIA GREEN BUILDING STANDARDS CODE- | 2016 |
| | CALIFORNIA CODE OF REGULATIONS TITLE 24 PART 11 CALIFORNIA REFERENCES STANDARDS | 2016 |
| | CALIOSHA | 2016 |
| | CALIFORNIA CODE OF REGULATIONS, TITLE 17-PUBLIC HEALTH | 2016 |
| | COUNTY OF SANTA CRUZ MUNICIPAL CODE | 2016 |

**ACCESSIBILITY GUIDELINES**

| | | |
|---|---|---|
| ADA | ADA STANDARDS FOR ACCESSIBLE DESIGN BY THE U.S. DEPARTMENT OF JUSTICE | 2010 |

**ADDITIONAL GUIDELINES**

| | | |
|---|---|---|
| ASME A17.1 | SAFETY CODE FOR ELEVATORS AND ESCALATORS | 2010 |

# CODE COMPLIANCE APPROACH NARRATIVE

## CODE COMPLIANCE APPROACH:

*THE PROJECT WILL BE A TYPE II-A FULLY SPRINKLERED BUILDING FOUR STORIES IN HEIGHT AND 160,000 BGSF. OCCUPANCIES OF A-3 (CAFE & CONFERENCE CENTER) AND B (MEDICAL OUTPATIENT CLINICS) OCCUPY LEVEL 1. LEVEL 2 CONTAINS I2.1 (OUTPATIENT SURGERY) AND B (MEDICAL CLINICS) OCCUPANCIES. LEVEL 3 & 4 ARE PRIMARILY B (MEDICAL CLINICS) OCCUPANCY. LEVEL 4 INCLUDES A-3 OCCUPANCY (CONFERENCE CENTER) FOR INTERNAL USE. THE PROJECT IS UNDER THE JURISDICTION OF AND WILL BE PERMITTED BY THE COUNTY OF SANTA CRUZ.*

*OSHPD 3 AREAS OCCUR IN I-2.1 AREAS (INSTITUTIONAL - OUT PATIENT AREAS)*

# GRAPHIC LEGEND

PROJECT CODE SUMMARY SYMBOLS

○ ITEM NOT SELECTED
● ITEM SELECTED

# GENERAL FIRE AND LIFE SAFETY SHEET NOTES

A. THE PURPOSE OF THE FIRE AND LIFE SAFETY DRAWINGS IS TO ILLUSTRATE IN SCHEMATIC FASHION, THE APPLICABLE EXITING, FIRE-RESISTANCE, AND LIFE SAFETY CONCEPTS UTILIZED BY THIS PROJECT; INCLUDING, BUT NOT LIMITED TO:
- OCCUPANCY CLASSIFICATIONS
- OCCUPANCY LOAD FACTORS
- EXIT LOCATIONS, EXIT PATHS & CAPACITY
- FUNCTION OF SPACE
- FIRE-RESISTANCE RATED CONSTRUCTION
- AND OTHER STRATEGIES RELATED TO THE CODE COMPLIANCE APPROACH OF THIS PROJECT.

B. ADDITIONAL DETAILED REQUIREMENTS APPLY TO THE CONSTRUCTION OF PARTITIONS, FIRE RATED DOOR ASSEMBLIES, INTERIOR GLAZED OPENINGS, DUCTS, SMOKE AND FIRE DAMPERS AND THROUGH PENETRATION FIRE STOPPING. REFER TO THE DRAWINGS OF EACH DISCIPLINE AND THE SPECIFICATIONS FOR THESE REQUIREMENTS.

C. ADDITIONAL DETAILED REQUIREMENTS SHOWN ELSEWHERE MAY REQUIRE CONSTRUCTION HAVING GREATER FIRE RATINGS, MORE EXTENSIVE FIRE-RATED CONSTRUCTION,OR MORE COMPLEX ASSEMBLIES THAN INDICATED BY THE DIAGRAMS ON THIS SHEET. WHEN PROVIDED, THE ADDITIONAL DETAILED REQUIREMENTS SHALL GOVERN.

E. FIRE BARRIERS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE AND SHALL BE SECURELY ATTACHED THERETO. SUCH FIRE BARRIERS SHALL BE CONTINUOUS THROUGH CONCEALED SPACES.

F. SHAFT ENCLOSURES SHALL BE CONSTRUCTED AS FIRE BARRIERS.

G. FIRE PARTITIONS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE OR TO THE FIRE-RESISTANCE-RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY ABOVE, AND SHALL BE SECURELY ATTACHED THERETO.

H. SMOKE BARRIERS SHALL FORM AN EFFECTIVE MEMBRANE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL AND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, DECK OR SLAB ABOVE, INCLUDING CONTINUITY THROUGH CONCEALED SPACES.

J. SMOKE PARTITIONS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, DECK OR SLAB ABOVE OR TO THE UNDERSIDE OF THE CEILING ABOVE WHERE THE CEILING MEMBRANE IS CONSTRUCTED TO LIMIT THE TRANSFER OF SMOKE.

# PROJECT FIRE AND LIFE SAFETY SHEET NOTES

A. A SIGN COMPLYING WITH IBC SECTION 1110 SHALL BE PROVIDED AT EACH LANDING OF THE ELEVATOR AND SAY THE FOLLOWING: "IN FIRE EMERGENCY, DO NOT USE THE ELEVATOR. USE EXIT STAIRS."

B. INTERIOR WALL & CEILING FINISHES SHALL HAVE A FLAME SPREAD INDEX RATING OF NO MORE THAN CLASS B AT VERTICAL EXITS & EXIT PASSAGEWAYS AND EXIT ACCESS CORRIDORS AND OTHER EXITWAYS.

C. INTERIOR WALL & CEILING FINISHES SHALL HAVE A FLAME SPREAD INDEX RATING OF NO MORE THAN CLASS C AT ROOMS AND ENCLOSED SPACES.

D. ALL MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50.

E. FIRE EXTINGUISHERS SHALL BE LOCATED SUCH THAT A MAXIMUM TRAVEL DISTANCE OF 75' SHALL NOT BE EXCEEDED (WHERE REQUIRED BY CODE).

F. LEVEL/ AREA MAIN OCCUPANCY EXIT SIGN LOCATIONS MAY NOT BE SHOWN. REFERENCE ELECTRICAL SHEETS FOR ALL EXIT SIGN LOCATIONS.

G. FIRE RESISTIVE ASSEMBLY DETAILS, IF APPLICABLE, ARE LOCATED ELSEWHERE IN THIS DRAWING SET PER THE SHEET INDEX.

H. ELEVATOR HOISTWAY OPENINGS SHALL BE PROTECTED AS REQUIRED BY THE CODE, CORRESPONDING TO THE RATING OF THE HOISTWAY.

J. EVERY ASSEMBLY OCCUPANCY ROOM OR SPACE SHALL HAVE THE OCCUPANT LOAD POSTED IN A CONSPICUOUS PLACE.

# GENERAL ACCESSIBILITY

A. THE BASIC ACCESSIBILITY SHEETS IN THIS DRAWING SET (G2.3.X SERIES) REPRESENT THE GENERAL GUIDELINES FOR ACCESSIBILITY. SPECIFIC ACCESSIBILITY REQUIREMENTS, IF DIFFERENT, ARE ILLUSTRATED IN DETAIL BY THE DRAWINGS AND SPECIFICATIONS.

# DEFERRED SUBMITTALS

NOT USED

# ALLOWABLE AREA CALCULATIONS

**[REFER TO AREA EQUATIONS ON THIS SHEET FOR EQUATIONS USED]** **OCCUPANCY TYPE :** *B*

| | |
|---|---|
| TABULAR AREA PER STORY (At) : | *37500.00* |
| AREA INCREASE FACTOR (If) : | *0.75* |
| AREA INCREASE FACTOR (Is) : | *2* |
| ALLOWABLE AREA PER STORY (Aa) : | *140625.00* |
| MULTIPLIER FOR STORIES ABOVE GRADE PLANE = *[PER CBC 504.4]* | *2* |
| TOTAL ALLOWABLE BUILDING AREA {Aa * Multiplier} = | *281250.00* |
| {Allowable Heights and Stories are Feet or Stories Above Grade Plane} | |
| ALLOWABLE BUILDING HEIGHT : | *85 FEET* |
| ACTUAL BUILDING HEIGHT : | *65 FEET* |
| ALLOWABLE NUMBER OF STORIES : | *6* |
| ACTUAL NUMBER OF STORIES : | *4* |

**[REFER TO AREA EQUATIONS ON THIS SHEET FOR EQUATIONS USED]** **OCCUPANCY TYPE :** *I-2.1*

| | |
|---|---|
| TABULAR AREA PER STORY (At) : | *15000.00* |
| AREA INCREASE FACTOR (If) : | *0.75* |
| AREA INCREASE FACTOR (Is) : | *2* |
| ALLOWABLE AREA PER STORY (Aa) : | *56250.00* |
| MULTIPLIER FOR STORIES ABOVE GRADE PLANE = *[PER CBC 504.4]* | *3* |
| TOTAL ALLOWABLE BUILDING AREA {Aa * Multiplier} = | *168750.00* |
| {Allowable Heights and Stories are Feet or Stories Above Grade Plane} | |
| ALLOWABLE BUILDING HEIGHT : | *85 FEET* |
| ACTUAL BUILDING HEIGHT : | *65 FEET* |
| ALLOWABLE NUMBER OF STORIES : | *3* |
| ACTUAL NUMBER OF STORIES : | *1* |

**AREA EQUATIONS**

**AREA MODIFICATIONS :**

**(EQUATION 5-1)** 112,500 = (37,500' + (37,000' x 0) + (37,000' x 2))

$$Aa = \{At + [At * If] + [At * Is]\}$$

Aa = ALLOWABLE AREA PER STORY (SQUARE FEET)
At = TABULAR AREA PER STORY (SQUARE FEET)
If = AREA INCREASE FACTOR DUE TO FRONTAGE AS CALCULATED
Is = AREA INCREASE FACTOR DUE TO SPRINKLER PROTECTION

**(EQUATION 5-2)**

$$If = [F / P - 0.25] W / 30$$

If = AREA INCREASE FACTOR DUE TO FRONTAGE
F = BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET OPEN MINIMUM WIDTH (FEET)
P = PERIMETER OF ENTIRE BUILDING (FEET)
W = WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET)

**SEPARATED OCCUPANCY CALCULATION : (PER STORY)**
*[PER CBC SECTION 508.4.2]*

$$\frac{\text{ACTUAL AREA OF OCCUPANCY}}{\text{ALLOWABLE AREA OF OCCUPANCY}} + \frac{\text{ACTUAL AREA OF OCCUPANCY}}{\text{ALLOWABLE AREA OF OCCUPANCY}} + \frac{\cdots}{\cdots} \leq 1$$

SEPARATED OCCUPANCY CALCULATION: *Level 1 - Group B*

$$\frac{45000\ SF}{112500\ SF} = 0.40$$

For mixed occupancy buildings more than one story above grade plane whose construction type does not allow for unlimited area, be sure to check the ratios of each story such that the total for all stories does not exceed the sum of three (3). Per CBC 506.2.4

SEPARATED OCCUPANCY CALCULATION: *Level 2 - Group B & I-2.1*

$$\frac{33000\ SF}{112500\ SF} + \frac{12000\ SF}{45000\ SF} = 0.56$$

SEPARATED OCCUPANCY CALCULATION: *Level 3 - Group B*

$$\frac{41000\ SF}{112500\ SF} = 0.36$$

SEPARATED OCCUPANCY CALCULATION: *Level 4 - Group B*

$$\frac{23000\ SF}{112500\ SF} = 0.20$$

L1 + L2 + L3 + L4 = 0.40 + 0.56 + 0.36 + 0.20 = 1.52 < 2 (PER CBC 506.2.4)

# BUILDING OCCUPANCY SUMMARY

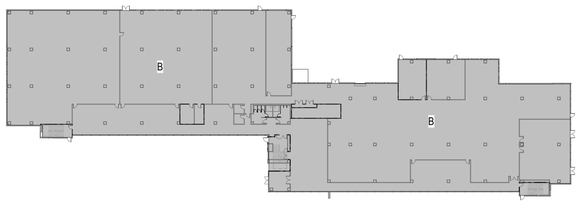
**OCCUPANT LOAD BY FUNCTION OF SPACE**

| Level | LS Occupancy Class Name | LS Occupancy Class Abbreviation | LS Function of Space | LS Occupant Load Factor | LS OL Factor Net Gross Fixed_Key | Area | Occupant Load |
|---|---|---|---|---|---|---|---|
| LEVEL 1 | | | | | | | |
| LEVEL 1 | Business / Ambulatory Health Care | B | BUSINESS USE - GENERAL | 100 | GSF | 41,429 SF | 415 |
| LEVEL 1 | Business / Business | A-3 | ASSEMBLY USE - ACCESSORY | 15 | NSF | 2,029 SF | 136 |
| LEVEL 1 | Storage, S-2 / Storage, Low-Hazard | S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS | 300 | GSF | 1,784 SF | 6 |
| LEVEL 1 | Storage, S-2 / Storage, Low-Hazard | S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS | 300 | GSF | 323 SF | 2 |
| | | | | | LEVEL 1 TOTALS: | 45,565 SF | 559 OCCUPANTS |
| LEVEL 2 | | | | | | | |
| LEVEL 2 | Business / Ambulatory Health Care | B | BUSINESS USE - GENERAL | 100 | GSF | 31,889 SF | 319 |
| LEVEL 2 | Institutional, I-2 / Health Care | I-2.1 | HEALTH CARE USE - OUTPATIENT/AMBULATORY CARE | 100 | GSF | 12,310 SF | 124 |
| LEVEL 2 | Storage, S-2 / Storage, Low-Hazard | S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS | 300 | GSF | 323 SF | 2 |
| LEVEL 2 | Storage, S-2 / Storage, Low-Hazard | S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS | 300 | GSF | 122 SF | 1 |
| LEVEL 2 | Storage, S-2 / Storage, Low-Hazard | S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS | 300 | GSF | 84 SF | 1 |
| | | | | | LEVEL 2 TOTALS: | 44,728 SF | 447 OCCUPANTS |
| LEVEL 3 | | | | | | | |
| LEVEL 3 | Business / Ambulatory Health Care | B | BUSINESS USE - GENERAL | 100 | GSF | 44,852 SF | 449 |
| LEVEL 3 | Storage, S-2 / Storage, Low-Hazard | S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS | 300 | GSF | 323 SF | 2 |
| LEVEL 3 | Storage, S-2 / Storage, Low-Hazard | S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS | 300 | GSF | 122 SF | 1 |
| LEVEL 3 | Storage, S-2 / Storage, Low-Hazard | S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS | 300 | GSF | 84 SF | 1 |
| | | | | | LEVEL 3 TOTALS: | 45,381 SF | 453 OCCUPANTS |
| LEVEL 4 | | | | | | | |
| LEVEL 4 | Business / Ambulatory Health Care | B | BUSINESS USE - GENERAL | 100 | GSF | 19,972 SF | 200 |
| LEVEL 4 | Business / Business | A-3 | ASSEMBLY USE - ACCESSORY | 15 | NSF | 1,759 SF | 118 |
| LEVEL 4 | Storage, S-2 / Storage, Low-Hazard | S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS | 300 | GSF | 122 SF | 1 |
| LEVEL 4 | Storage, S-2 / Storage, Low-Hazard | S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS | 300 | GSF | 84 SF | 1 |
| | | | | | LEVEL 4 TOTALS: | 21,937 SF | 320 OCCUPANTS |
| | | | | | BUILDING TOTALS: | 157,611 SF | 1779 OCCUPANTS |

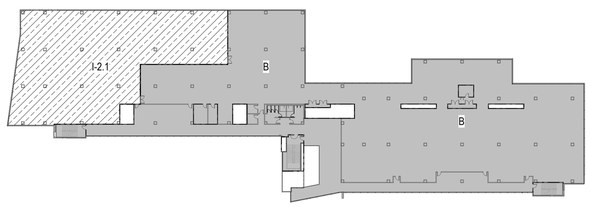
# MINIMUM PLUMBING FACILITIES

NOT USED

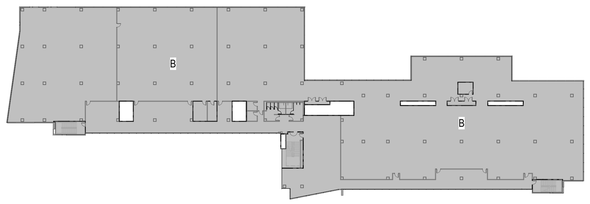
# OCCUPANCY CLASSIFICATION PLANS




1 LEVEL 1 - LS OCCUPANCY CLASSIFICATION PLAN
SCALE: 1" = 50'-0"




2 LEVEL 2 - LS OCCUPANCY CLASSIFICATION PLAN
SCALE: 1" = 50'-0"

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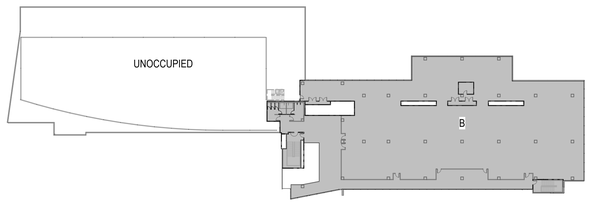
SCALE: 1" = 50'-0"




4 LEVEL 4 - LS OCCUPANCY CLASSIFICATION PLAN
SCALE: 1" = 50'-0"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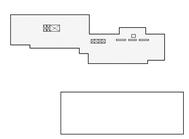
| ISSUED FOR | REV | DATE |
|---|---|---|
| PERMIT RESUBMITTAL | | 06/24/2019 |
| PERMIT APPLICATION | | 03/27/2019 |
| PRE-APPLICATION SUBMITTAL | | 08/23/2018 |

SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEYPLAN



SHEET TITLE
BUILDING CODE SUMMARY

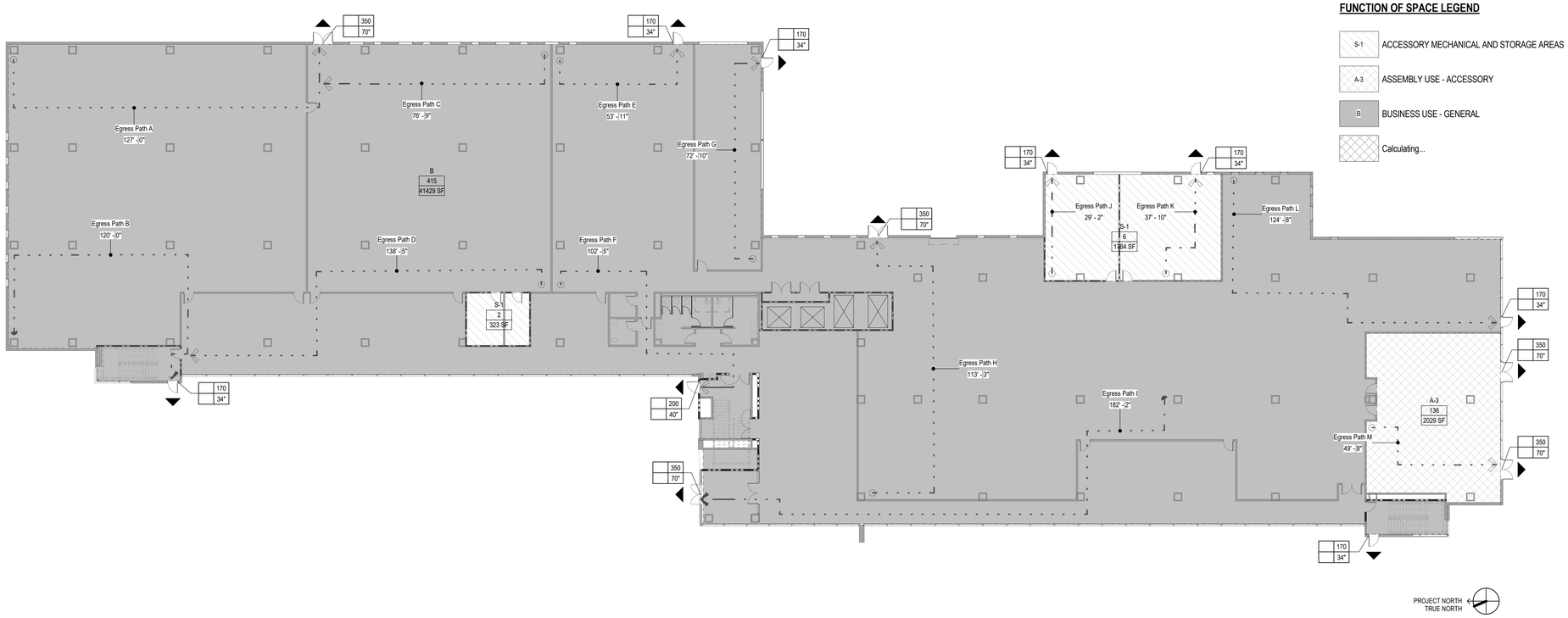
PROJECT NUMBER 21739.000

SD

SHEET NUMBER **G2.0.0**

Author

Plot Date: 6/20/2019 4:16:21 PM




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

## FUNCTION OF SPACE LEGEND

| | |
|---|---|
| S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS |
| A-3 | ASSEMBLY USE - ACCESSORY |
| B | BUSINESS USE - GENERAL |
| | Calculating... |

## GRAPHIC LEGEND

**FIRE-RESISTANCE-RATED WALL ASSEMBLIES**

FIRE-RESISTANCE-RATING (HOURS)
05 = 1/2 HOUR
1 = 1 HOUR
2 = 2 HOUR
3 = 3 HOUR
4 = 4 HOUR

1FSB"X"
- OPTIONAL HORIZONTAL EXIT DESIGNATION
- TYPE OF WALL ASSEMBLY

| | | | | | |
|---|---|---|---|---|---|
| 1FSB | 1FSB | 1FSB | 1FSB | 1FSB | = FIRE & SMOKE BARRIER |
| 1FB | 1FB | 1FB | 1FB | 1FB | = FIRE BARRIER |
| 05FP | 05FP | 05FP | 05FP | 05FP | = FIRE PARTITION |
| 2FW | 2FW | 2FW | 2FW | 2FW | = FIRE WALL |
| SP | SP | SP | SP | SP | = SMOKE PARTITION |

**FUNCTION OF SPACE TAG**

OCC CLASS ABRV
100
95000

- OCC CLASSIFICATION ABBREVIATION
- OCCUPANT LOAD
- AREA OF SPACE

**EXITING SYMBOLS**

- = EXIT TO EXTERIOR (E) = Existing Construction
- = EXIT FROM STORY (E) = Existing Construction
- = EXIT FROM A SPACE (E) = Existing Construction
- Path ID / TRAVEL DISTANCE = DEAD END
- Path ID / TRAVEL DISTANCE = COMMON PATH OF EXIT TRAVEL
- Path ID / TRAVEL DISTANCE = EXIT ACCESS

**EGRESS COMPONENT CAPACITY SYMBOLS**

REQUIRED CAPACITY 150 | 160 ACTUAL CAPACITY
CALCULATED EXIT WIDTH REQUIRED (IN.) 30" | 32" EXIT WIDTH PROVIDED (IN.)

REQUIRED CAPACITY 180 | 200 ACTUAL CAPACITY
CALCULATED EXIT WIDTH REQUIRED (IN.) 36" | 36" EXIT WIDTH PROVIDED (IN.)

**FIRE PROTECTION SYMBOLS**

- FEC = FIRE EXTINGUISHER CABINET
- FE = FIRE EXTINGUISHER
- FAS = FIRE ALARM STATION
- FDC = FIRE DEPARTMENT CONNECTION
- FHVC = FIRE HOSE VALVE CABINET
- FSP = FIRE STANDPIPE
- FDCS = FIRE DEPT COMMUNICATION SYSTEM
- FAACP = FIRE ALARM ANNUNCIATOR CONTROL PANEL
- FKS = FIREMAN'S KEYSAFE (KNOX BOX)

## OCCUPANT LOAD

REFER TO SHEET G2.0.0 FOR DETAILED OCCUPANT LOAD

**LS OCCUPANT LOAD SUMMARY**

| Level | Area | LS Occupancy Class Abbreviation | LS Occupant Load Factor | Occupant Load |
|---|---|---|---|---|
| LEVEL 1 | | | | |
| LEVEL 1 | 41,429 SF | B | 100 | 415 |
| LEVEL 1 | 2,029 SF | A-3 | 15 | 136 |
| LEVEL 1 | 1,784 SF | S-1 | 300 | 6 |
| LEVEL 1 | 323 SF | S-1 | 300 | 2 |
| | | | | 559 |
| LEVEL 2 | | | | |
| LEVEL 2 | 12,310 SF | I-2.1 | 100 | 124 |
| LEVEL 2 | 31,889 SF | B | 100 | 319 |
| LEVEL 2 | 323 SF | S-1 | 300 | 2 |
| LEVEL 2 | 122 SF | S-1 | 300 | 1 |
| LEVEL 2 | 84 SF | S-1 | 300 | 1 |
| | | | | 447 |
| LEVEL 3 | | | | |
| LEVEL 3 | 44,852 SF | B | 100 | 449 |
| LEVEL 3 | 323 SF | S-1 | 300 | 2 |
| LEVEL 3 | 122 SF | S-1 | 300 | 1 |
| LEVEL 3 | 84 SF | S-1 | 300 | 1 |
| | | | | 453 |
| LEVEL 4 | | | | |
| LEVEL 4 | 19,972 SF | B | 100 | 200 |
| LEVEL 4 | 1,759 SF | A-3 | 15 | 118 |
| LEVEL 4 | 122 SF | S-1 | 300 | 1 |
| LEVEL 4 | 84 SF | S-1 | 300 | 1 |
| | | | | 320 |
| | | | | 1779 |

## LS TRAVEL DISTANCES

| Path ID | Type | Travel Distance Length |
|---|---|---|
| Egress Path A | Exit Access | 127' - 0" |
| Egress Path AA | Exit Access | 124' - 6" |
| Egress Path AB | Exit Access | 96' - 0" |
| Egress Path AC | Exit Access | 265' - 6" |
| Egress Path AD | Exit Access | 77' - 0" |
| Egress Path AE | Exit Access | 124' - 6" |
| Egress Path AF | Exit Access | 96' - 0" |
| Egress Path B | Exit Access | 120' - 0" |
| Egress Path C | Exit Access | 77' - 0" |
| Egress Path D | Exit Access | 138' - 6" |
| Egress Path E | Exit Access | 54' - 0" |
| Egress Path F | Exit Access | 102' - 6" |
| Egress Path G | Exit Access | 73' - 0" |
| Egress Path H | Exit Access | 113' - 6" |
| Egress Path I | Exit Access | 182' - 0" |
| Egress Path J | Exit Access | 29' - 0" |
| Egress Path K | Exit Access | 38' - 0" |
| Egress Path L | Exit Access | 124' - 6" |
| Egress Path M | Exit Access | 49' - 6" |
| Egress Path N | Exit Access | 160' - 0" |
| Egress Path O | Exit Access | 170' - 6" |
| Egress Path P | Exit Access | 101' - 0" |
| Egress Path Q | Exit Access | 156' - 6" |
| Egress Path R | Exit Access | 116' - 0" |
| Egress Path S | Exit Access | 176' - 0" |
| Egress Path T | Exit Access | 124' - 6" |
| Egress Path U | Exit Access | 96' - 0" |
| Egress Path V | Exit Access | 141' - 6" |
| Egress Path W | Exit Access | 156' - 0" |
| Egress Path X | Exit Access | 157' - 0" |
| Egress Path Y | Exit Access | 146' - 6" |
| Egress Path Z | Exit Access | 176' - 0" |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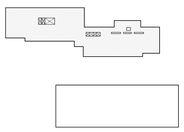
| ISSUED FOR | REV | DATE |
|---|---|---|
| PERMIT RESUBMITTAL | | 06/24/2019 |
| PERMIT APPLICATION | | 03/27/2019 |

SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEYPLAN



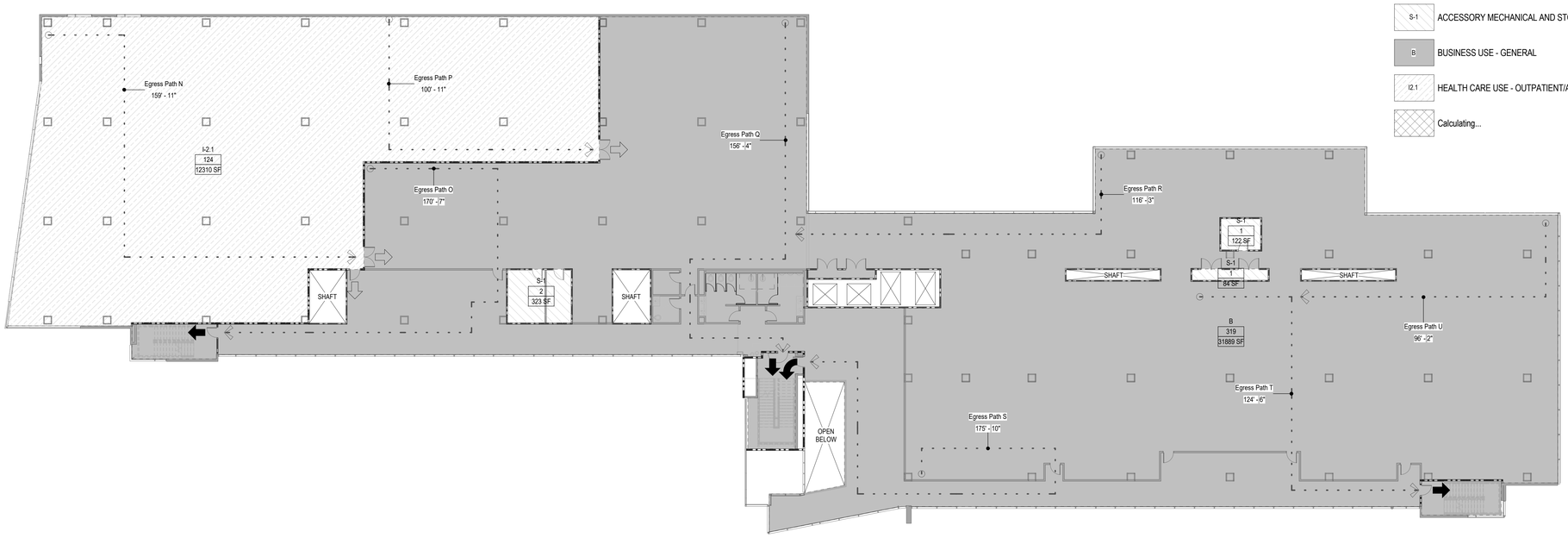
SHEET TITLE
EXITING & LIFE SAFETY - LEVEL 1

PROJECT NUMBER
21739.000

SHEET NUMBER
SD G2.1.0

Author

Plot Date: 6/20/2019 4:13:25 PM




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

## FUNCTION OF SPACE LEGEND

| | |
|---|---|
| S-1 | ACCESSORY MECHANICAL AND STORAGE AREAS |
| B | BUSINESS USE - GENERAL |
| I2.1 | HEALTH CARE USE - OUTPATIENT/AMBULATORY CARE |
| | Calculating... |

## GRAPHIC LEGEND

**FIRE-RESISTANCE-RATED WALL ASSEMBLIES**

FIRE-RESISTANCE-RATING (HOURS)
05 = 1/2 HOUR
1 = 1 HOUR
2 = 2 HOUR
3 = 3 HOUR
4 = 4 HOUR

1FSB*X*
- OPTIONAL HORIZONTAL EXIT DESIGNATION
- TYPE OF WALL ASSEMBLY

| | | | | | | |
|---|---|---|---|---|---|---|
| 1FSB | 1FSB | 1FSB | 1FSB | 1FSB | 1FSB | = FIRE & SMOKE BARRIER |
| 1FB | 1FB | 1FB | 1FB | 1FB | 1FB | = FIRE BARRIER |
| 05FP | 05FP | 05FP | 05FP | 05FP | 05FP | = FIRE PARTITION |
| 2FW | 2FW | 2FW | 2FW | 2FW | 2FW | = FIRE WALL |
| SP | SP | SP | SP | SP | SP | = SMOKE PARTITION |

**FUNCTION OF SPACE TAG**

OCC CLASS ABRV — OCC CLASSIFICATION ABBREVIATION
100 — OCCUPANT LOAD
95000 — AREA OF SPACE

**EXITING SYMBOLS**

(E) = EXIT TO EXTERIOR (E) = Existing Construction
(E) (E) = EXIT FROM STORY (E) = Existing Construction
(E) (E) = EXIT FROM A SPACE (E) = Existing Construction
Path ID / TRAVEL DISTANCE = DEAD END
Path ID / TRAVEL DISTANCE = COMMON PATH OF EXIT TRAVEL
Path ID / TRAVEL DISTANCE = EXIT ACCESS

**EGRESS COMPONENT CAPACITY SYMBOLS**

REQUIRED CAPACITY — 150 — ACTUAL CAPACITY
CALCULATED EXIT WIDTH REQUIRED (IN.) — 30" — EXIT WIDTH PROVIDED (IN.) 32"
REQUIRED CAPACITY — 180 — ACTUAL CAPACITY
CALCULATED EXIT WIDTH REQUIRED (IN.) — 36" — EXIT WIDTH PROVIDED (IN.) 36"

**FIRE PROTECTION SYMBOLS**

FEC = FIRE EXTINGUISHER CABINET
FE = FIRE EXTINGUISHER
FAS = FIRE ALARM STATION
FDC = FIRE DEPARTMENT CONNECTION
FHVC = FIRE HOSE VALVE CABINET
FSP = FIRE STANDPIPE
FDCS = FIRE DEPT COMMUNICATION SYSTEM
FAACP = FIRE ALARM ANNUNCIATOR CONTROL PANEL
FKS = FIREMAN'S KEYSAFE (KNOX BOX)

## OCCUPANT LOAD

REFER TO SHEET G2.0.0 FOR DETAILED OCCUPANT LOAD

**LS OCCUPANT LOAD SUMMARY**

| Level | Area | LS Occupancy Class Abbreviation | LS Occupant Load Factor | Occupant Load |
|---|---|---|---|---|
| LEVEL 1 | | | | |
| LEVEL 1 | 41,429 SF | B | 100 | 415 |
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| LEVEL 1 | 1,784 SF | S-1 | 300 | 6 |
| LEVEL 1 | 323 SF | S-1 | 300 | 2 |
| | | | | 559 |
| LEVEL 2 | | | | |
| LEVEL 2 | 12,310 SF | I-2.1 | 100 | 124 |
| LEVEL 2 | 31,889 SF | B | 100 | 319 |
| LEVEL 2 | 323 SF | S-1 | 300 | 2 |
| LEVEL 2 | 122 SF | S-1 | 300 | 1 |
| LEVEL 2 | 84 SF | S-1 | 300 | 1 |
| | | | | 447 |
| LEVEL 3 | | | | |
| LEVEL 3 | 44,852 SF | B | 100 | 449 |
| LEVEL 3 | 323 SF | S-1 | 300 | 2 |
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| LEVEL 4 | 84 SF | S-1 | 300 | 1 |
| | | | | 320 |
| | | | | 1779 |

## LS TRAVEL DISTANCES

| Path ID | Type | Travel Distance Length |
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| Egress Path AA | Exit Access | 124' - 6" |
| Egress Path AB | Exit Access | 96' - 0" |
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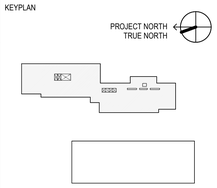
SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEYPLAN




SHEET TITLE
EXITING & LIFE SAFETY - LEVEL 2

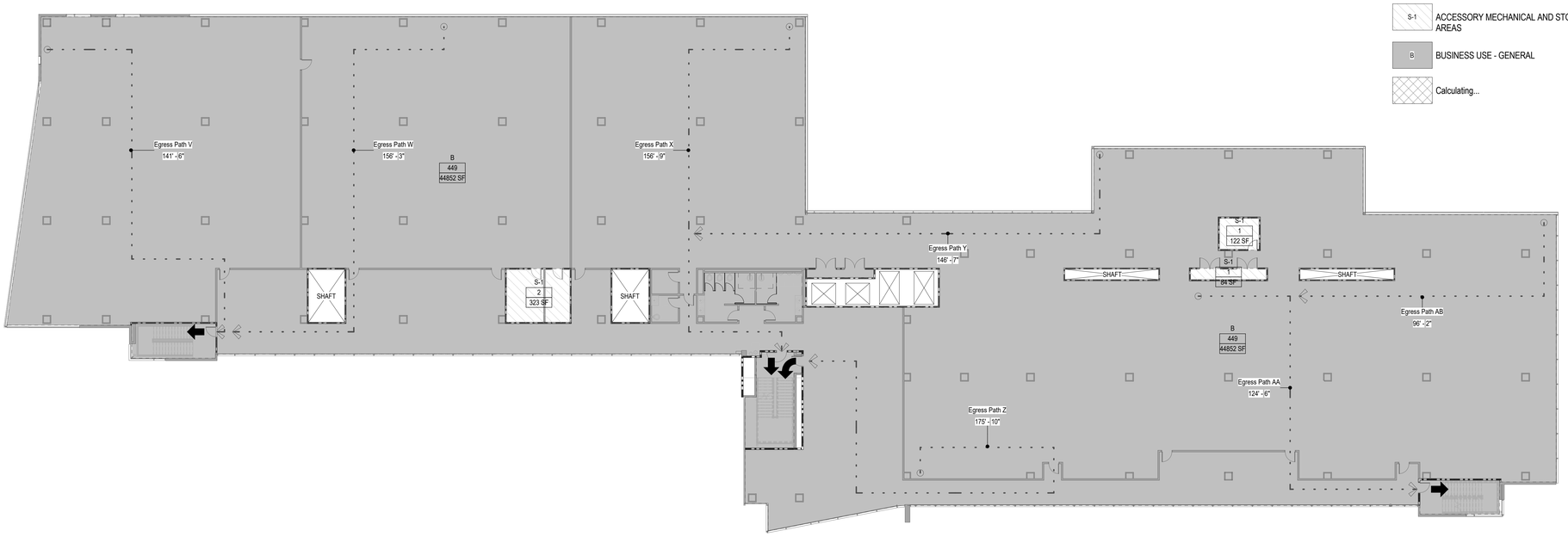
PROJECT NUMBER 21739.000

SD

SHEET NUMBER **G2.2.0**

Author

Plot Date: 6/20/2019 4:13:32 PM




1 LEVEL 3
SCALE: 1/16" = 1'-0"

PROJECT NORTH
TRUE NORTH

## FUNCTION OF SPACE LEGEND

- S-1 — ACCESSORY MECHANICAL AND STORAGE AREAS
- B — BUSINESS USE - GENERAL
- Calculating...

# GRAPHIC LEGEND

**FIRE-RESISTANCE-RATED WALL ASSEMBLIES**

FIRE-RESISTANCE-RATING (HOURS)
05 = 1/2 HOUR
1 = 1 HOUR
2 = 2 HOUR
3 = 3 HOUR
4 = 4 HOUR

1FSB"X"
- OPTIONAL HORIZONTAL EXIT DESIGNATION
- TYPE OF WALL ASSEMBLY

| | | | | | |
|---|---|---|---|---|---|
| 1FSB | 1FSB | 1FSB | 1FSB | 1FSB | = FIRE & SMOKE BARRIER |
| 1FB | 1FB | 1FB | 1FB | 1FB | = FIRE BARRIER |
| 05FP | 05FP | 05FP | 05FP | 05FP | = FIRE PARTITION |
| 2FW | 2FW | 2FW | 2FW | 2FW | = FIRE WALL |
| SP | SP | SP | SP | SP | = SMOKE PARTITION |

**FUNCTION OF SPACE TAG**

OCC CLASS ABRV — OCC CLASSIFICATION ABBREVIATION
100 — OCCUPANT LOAD
95000 — AREA OF SPACE

**EXITING SYMBOLS**

(E) = EXIT TO EXTERIOR (E) = Existing Construction
(E) (E) = EXIT FROM STORY (E) = Existing Construction
(E) (E) = EXIT FROM A SPACE (E) = Existing Construction
Path ID / TRAVEL DISTANCE = DEAD END
Path ID / TRAVEL DISTANCE = COMMON PATH OF EXIT TRAVEL
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REQUIRED CAPACITY — 150 — ACTUAL CAPACITY
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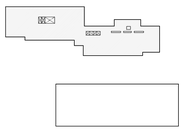


SHEET TITLE
EXITING & LIFE SAFETY - LEVEL 3

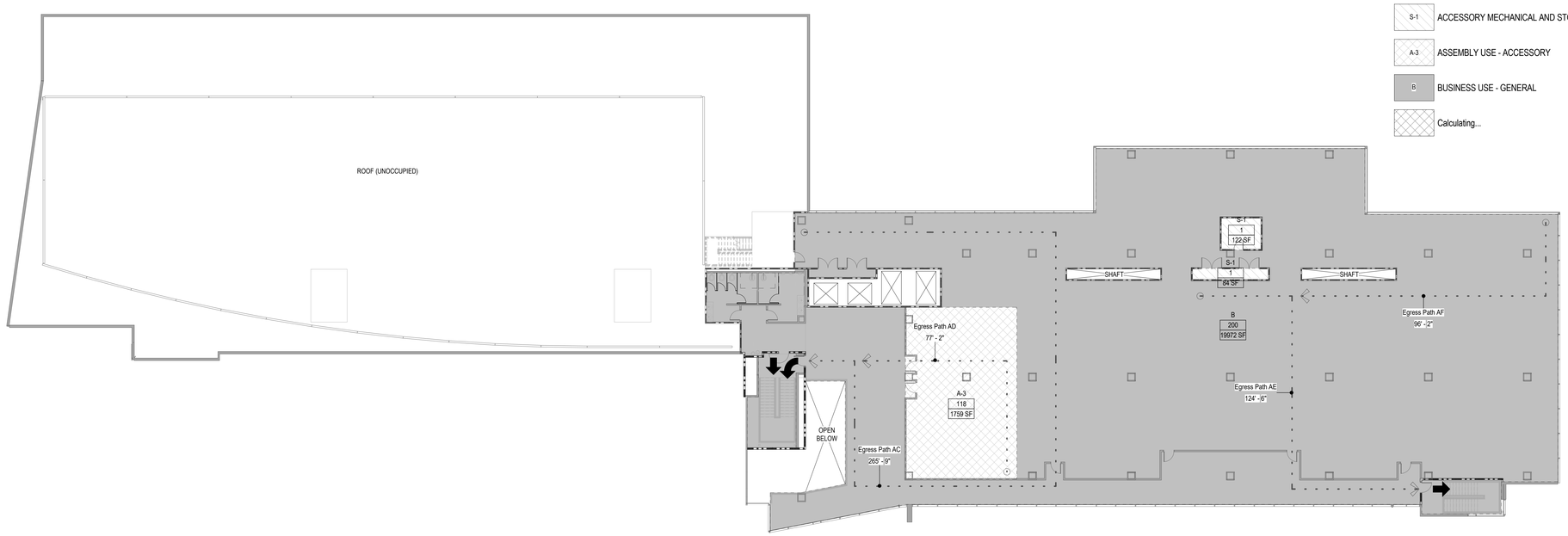
PROJECT NUMBER
21739.000

SD

SHEET NUMBER
G2.3.0

Author

Plot Date: 6/20/2019 4:13:37 PM




1 LEVEL 4
SCALE: 1/16" = 1'-0"

## FUNCTION OF SPACE LEGEND

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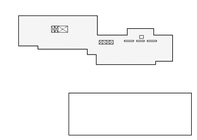


SHEET TITLE
EXITING & LIFE SAFETY - LEVEL 4

PROJECT NUMBER 21739.000

SD

SHEET NUMBER G2.4.0

Author

Plot Date: 6/20/2019 4:13:42 PM

# PRELIMINARY IMPROVEMENT PLANS

FOR

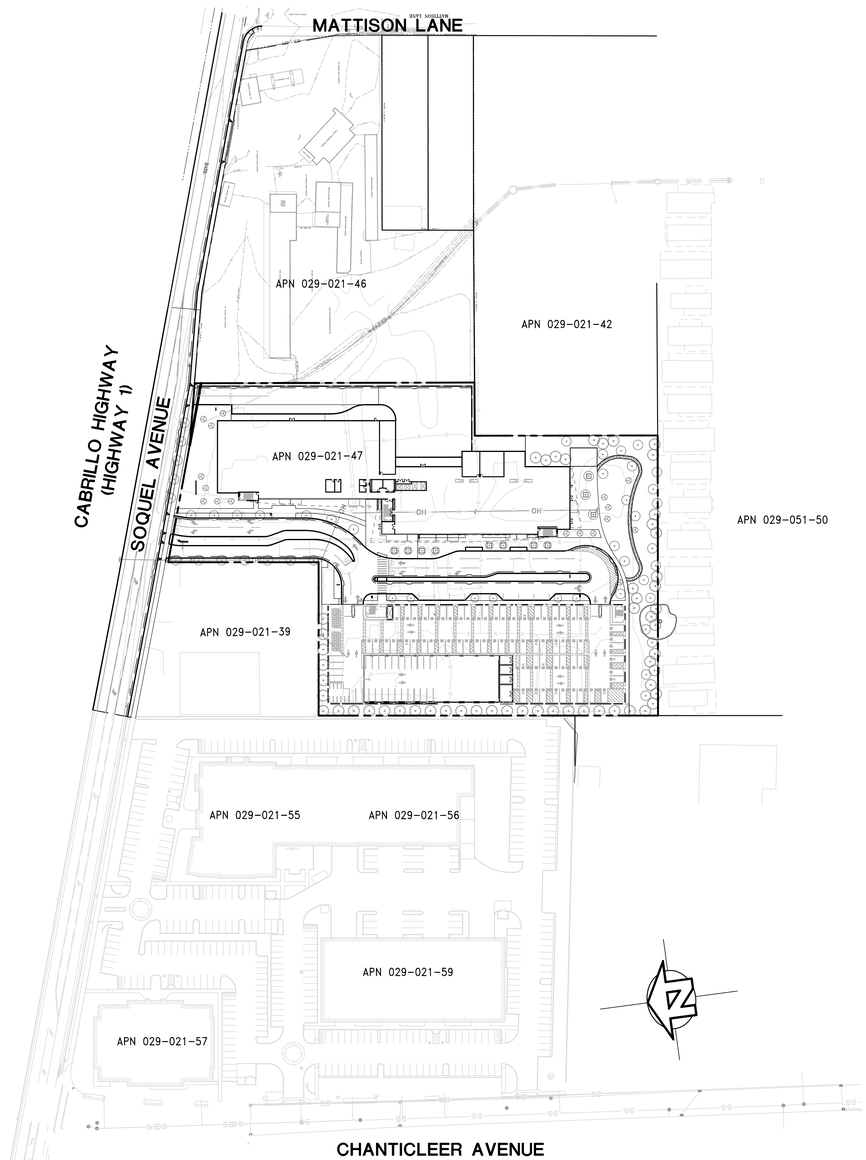
# SANTA CRUZ SMOB

## 5940 SOQUEL AVENUE

## SANTA CRUZ, SANTA CRUZ COUNTY, CALIFORNIA

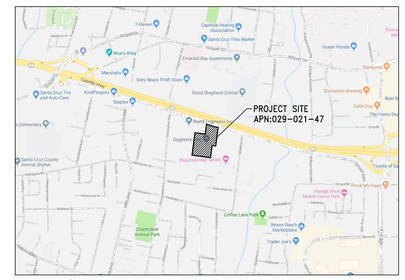
### LEGEND

| EXISTING | DESCRIPTION | PROPOSED |
|---|---|---|
| | AIR RELEASE VALVE | |
| | BLOW-OFF VALVE | |
| | CATCH BASIN | |
| | CURB INLET | |
| | CLEANOUT STRUCTURE | |
| | FIRE HYDRANT | |
| | GUY ANCHOR | |
| | MANHOLE STRUCTURE | |
| | WATER THRUST BLOCK | |
| | WATER METER | |
| | WATER VALVE | |
| E | ELECTRICAL LINE | E |
| FO | FIBER OPTIC LINE | FO |
| FW | FIRE WATER LINE | FW |
| G | GAS LINE | G |
| IRR | IRRIGATION LINE | IRR |
| JT | JOINT TRENCH LINE | JT |
| OH | OVERHEAD LINE | OH |
| RW | RECYCLED WATER LINE | RW |
| SD | STORM DRAIN LINE | SD |
| SS | SANITARY SEWER LINE | SS |
| T | TELEPHONE LINE | T |
| TV | CABLE TV LINE | TV |
| W | WATER LINE | W |




PLAN VIEW

80' 0 40' 80' 160'
GRAPHIC SCALE: 1 INCH = 80 FEET




MAP DATA ©2018 GOOGLE

VICINITY MAP

N.T.S.

## BENCHMARK

THE ELEVATIONS SHOWN ON THIS SURVEY ARE BASED ON NAVD88 DATUM DERIVED FROM GPS OBSERVATIONS AND COMPUTED USING GEOID12B.

BENCHMARK A UNPUBLISHED SANTA CRUZ COUNTY SURVEY BENCHMARK IS SET IN TOP OF CURB, IN FRONT OF THE FIRE HYDRANT, BY 2269 CHANTICLEER AVENUE.

OBSERVED BENCHMARK ELEVATION = 105.69 (NAVD88)

## BASIS OF BEARINGS

LOCAL BEARING BASE: STATION "POINT A" TO "POINT B" N09°24'48"E, 355.21'

BEARINGS AND DISTANCES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83) ZONE III, (2010.00), IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; AND BASED UPON A FIELD-OBSERVED TIE TO THE FOLLOWING CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN) STATION:

| | STATION | NORTHING (Y) | EASTING (X) |
|---|---|---|---|
| NGS STATION | HPGN D CA 04 AJ | N=1,821,205.37' | E=6,128,080.34' |

THE LOCAL BASIS OF BEARINGS IS N09°24'48"E, BETWEEN POINT "A" AND POINT "B" AS SHOWN HEREON AND ESTABLISHED ON THAT CERTAIN MAP RECORDED IN VOLUME 102 OF MAPS, PAGE 27, SANTA CRUZ COUNTY RECORDS, BEING A ROTATION OF 00°00'29" FROM CALCULATED THE RECORD BEARING (N09°25'17"E).

DISTANCES SHOWN HEREON ARE GROUND DISTANCES UNLESS OTHERWISE NOTED.

| STATION | GRID NORTHING (Y) | GRID EASTING (X) | CONVERGENCE | COMBINED FACTOR |
|---|---|---|---|---|
| POINT A | 1,820,390.077 | 6,129,719.191 | -00°54'19.43881106" | 1.000017900702 |
| POINT B | 1,820,039.649 | 6,129,661.095 | -00°51'19.83533816" | 1.000018123927 |

ALL COORDINATES AND DISTANCES SHOWN ARE IN TERMS OF THE U.S. SURVEY FOOT. DISTANCES SHOWN HEREON, ARE GROUND DISTANCES UNLESS OTHERWISE NOTED. TO APPROXIMATE CCS83 GRID DISTANCES, MULTIPLY THE GROUND DISTANCES BY THE COMBINATION FACTOR. WHERE CCS83 GRID DISTANCES ARE SHOWN, DIVIDE BY THE COMBINATION FACTOR TO OBTAIN GROUND DISTANCES.

## INDEX OF SHEETS


| SHEET NO. | DESCRIPTION |
|---|---|
| C1.0 | COVER SHEET |
| C2.0 | EXISTING CONDITIONS PLAN |
| C3.0 | SITE PLAN |
| C4.0 | GRADING PLAN |
| C4.1 | STORM DRAIN PLAN |
| C5.0 | UTILITY PLAN |
| C6.0 | STORMWATER CONTROL PLAN |
| C6.1 | STORMWATER CONTROL DETAILS |
| C7.0 | OFF-SITE FRONTAGE IMPROVEMENT PLAN |
| C8.0 | OFF-SITE STORM DRAIN PLAN |
| C9.0 | OFF-SITE SANITARY SEWER PLAN |
| C9.1 | OFF-SITE SANITARY SEWER PLAN |
| C10.0 | FIRE APPARATUS ACCESS PLAN |



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| ISSUED FOR | REV | DATE |
|---|---|---|
| PERMIT RESUBMITTAL | | 06/24/2019 |
| PERMIT APPLICATION | | 03/27/2019 |
| PRE-APPLICATION SUBMITTAL | | 08/23/2018 |

SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

SHEET TITLE

COVER SHEET

18019 (IEI) 21739.000

PROJECT NUMBER

SD **C1.0**

SHEET NUMBER


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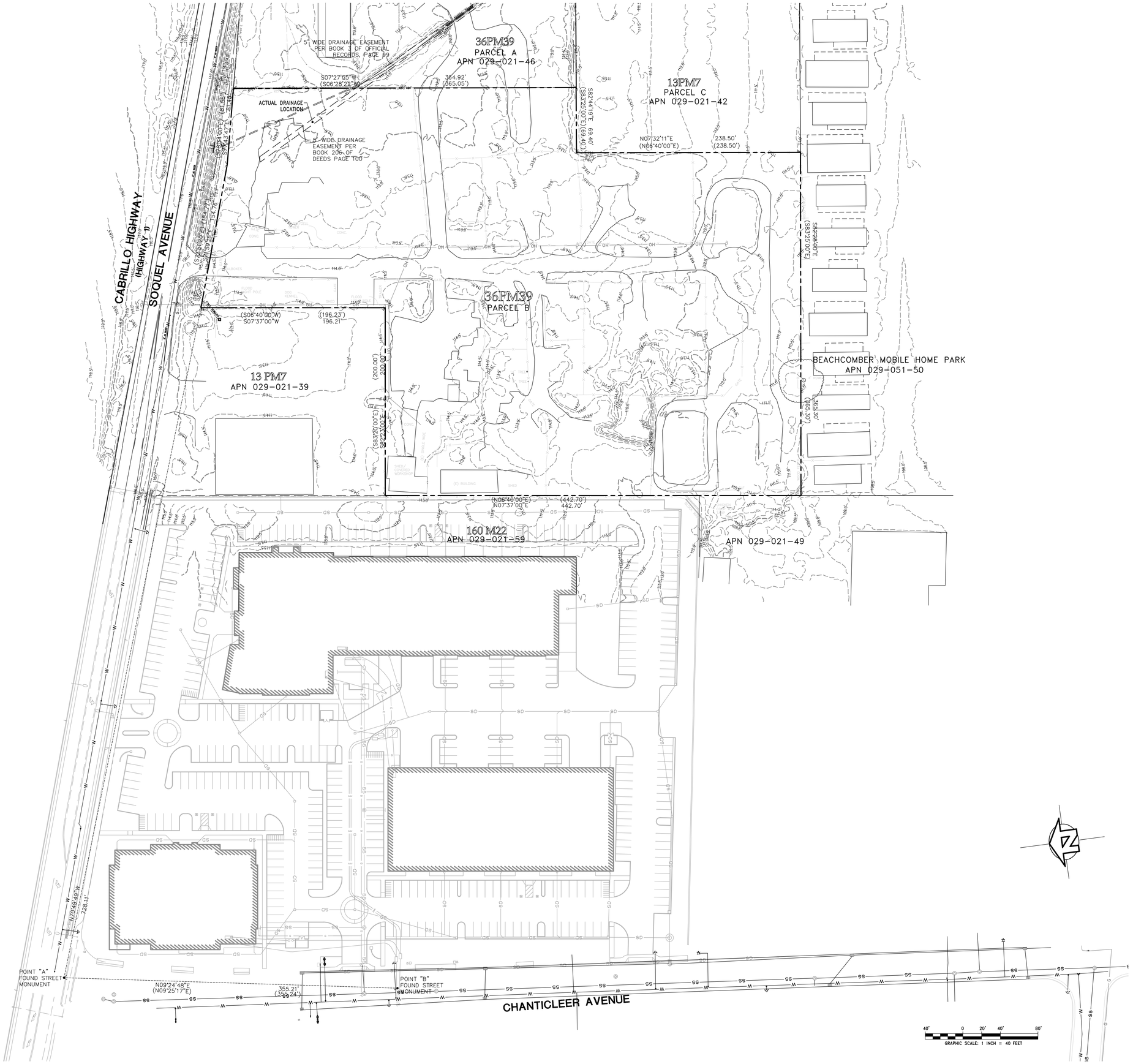


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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

SHEET TITLE

EXISTING CONDITIONS PLAN

18019 (IEI) 21739.000
PROJECT NUMBER

SD **C2.0**
SHEET NUMBER

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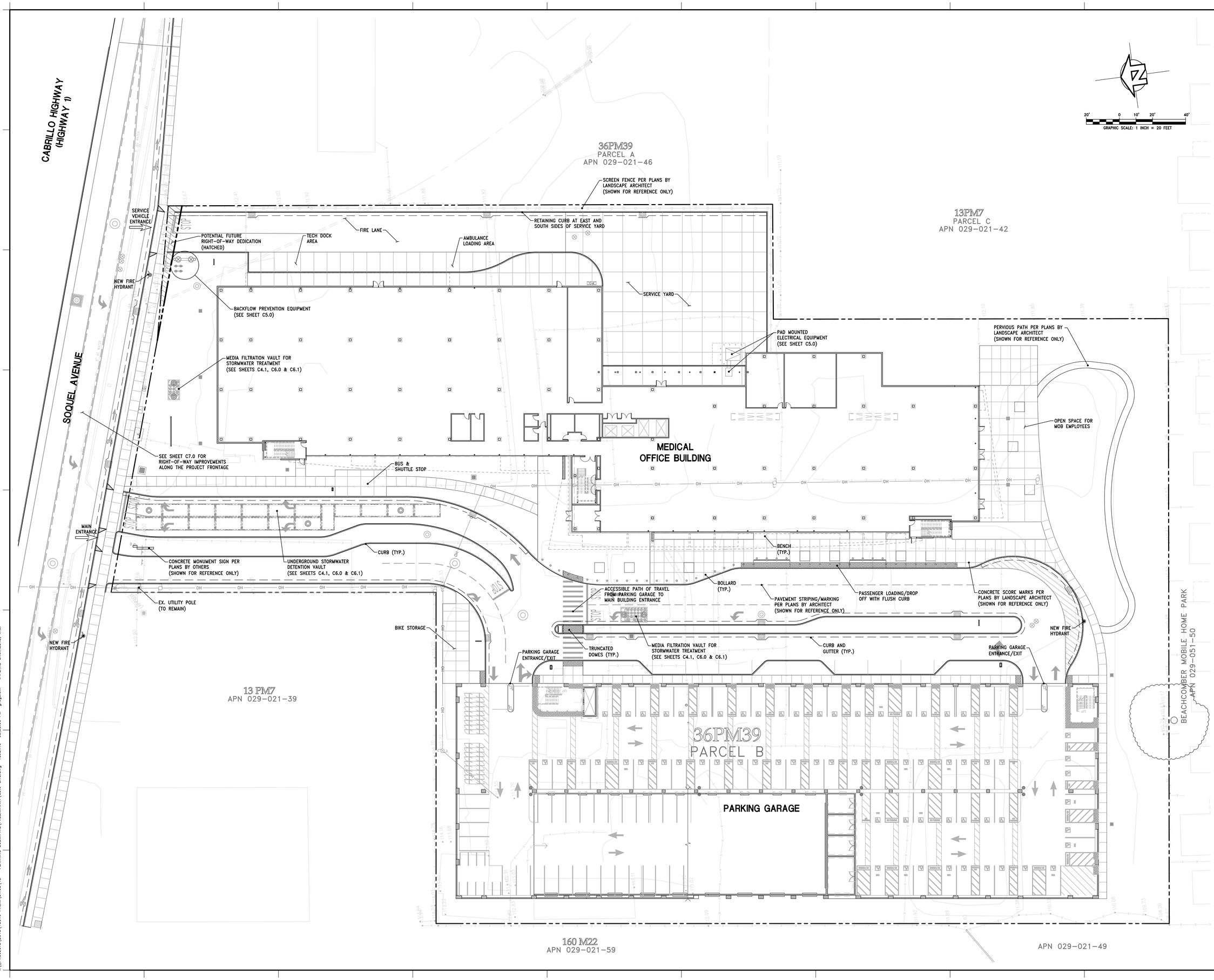



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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

SHEET TITLE

SITE PLAN

18019 (IEI) 21739.000

PROJECT NUMBER

SD

SHEET NUMBER

**C3.0**

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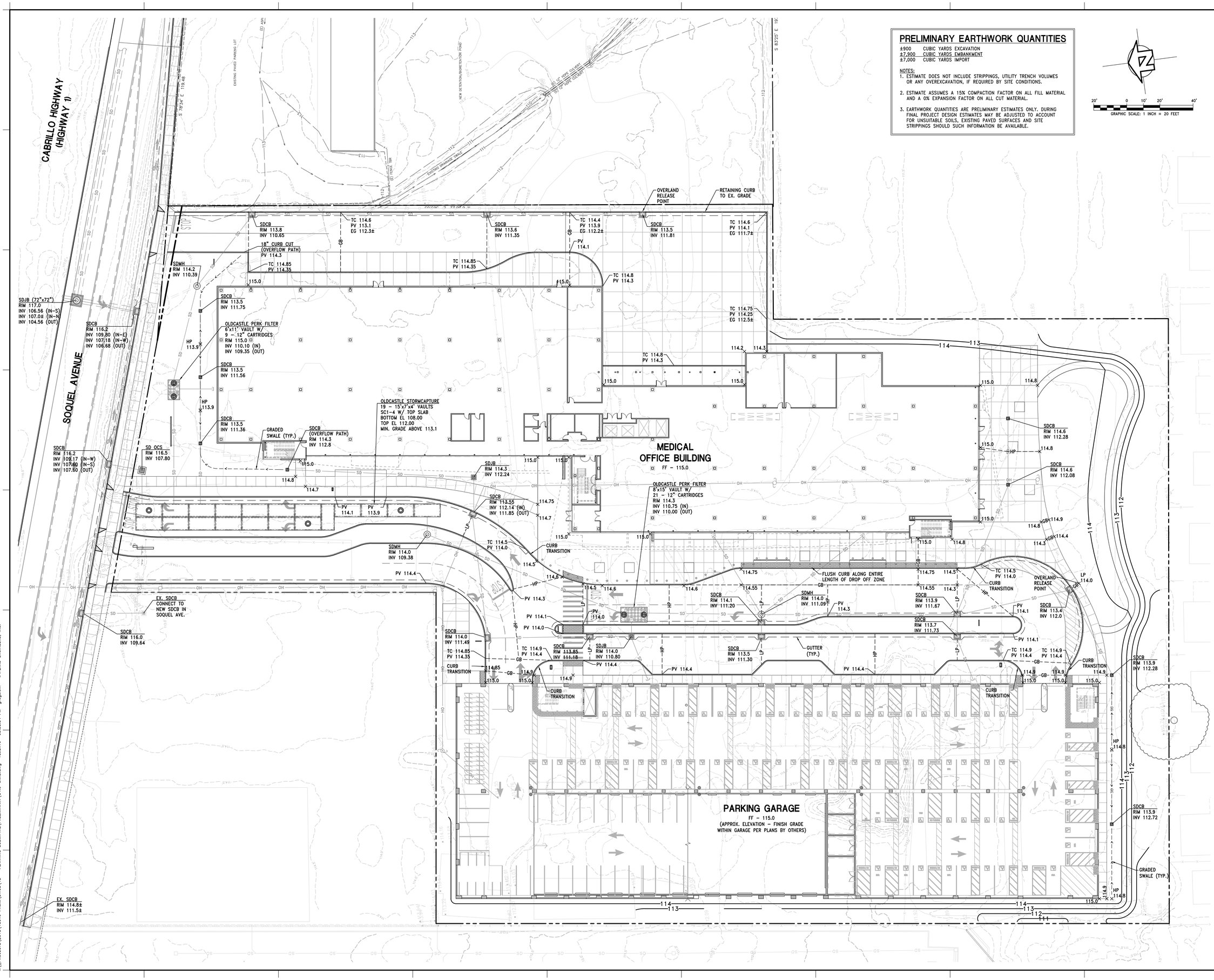
## PRELIMINARY EARTHWORK QUANTITIES

| | |
|---|---|
| ±900 | CUBIC YARDS EXCAVATION |
| ±7,900 | CUBIC YARDS EMBANKMENT |
| ±7,000 | CUBIC YARDS IMPORT |

NOTES:
1. ESTIMATE DOES NOT INCLUDE STRIPPINGS, UTILITY TRENCH VOLUMES OR ANY OVEREXCAVATION, IF REQUIRED BY SITE CONDITIONS.
2. ESTIMATE ASSUMES A 15% COMPACTION FACTOR ON ALL FILL MATERIAL AND A 0% EXPANSION FACTOR ON ALL CUT MATERIAL.
3. EARTHWORK QUANTITIES ARE PRELIMINARY ESTIMATES ONLY. DURING FINAL PROJECT DESIGN ESTIMATES MAY BE ADJUSTED TO ACCOUNT FOR UNSUITABLE SOILS, EXISTING PAVED SURFACES AND SITE STRIPPINGS SHOULD SUCH INFORMATION BE AVAILABLE.





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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

SHEET TITLE
GRADING PLAN

18019 (IEI) 21739.000
PROJECT NUMBER

SD **C4.0**
SHEET NUMBER


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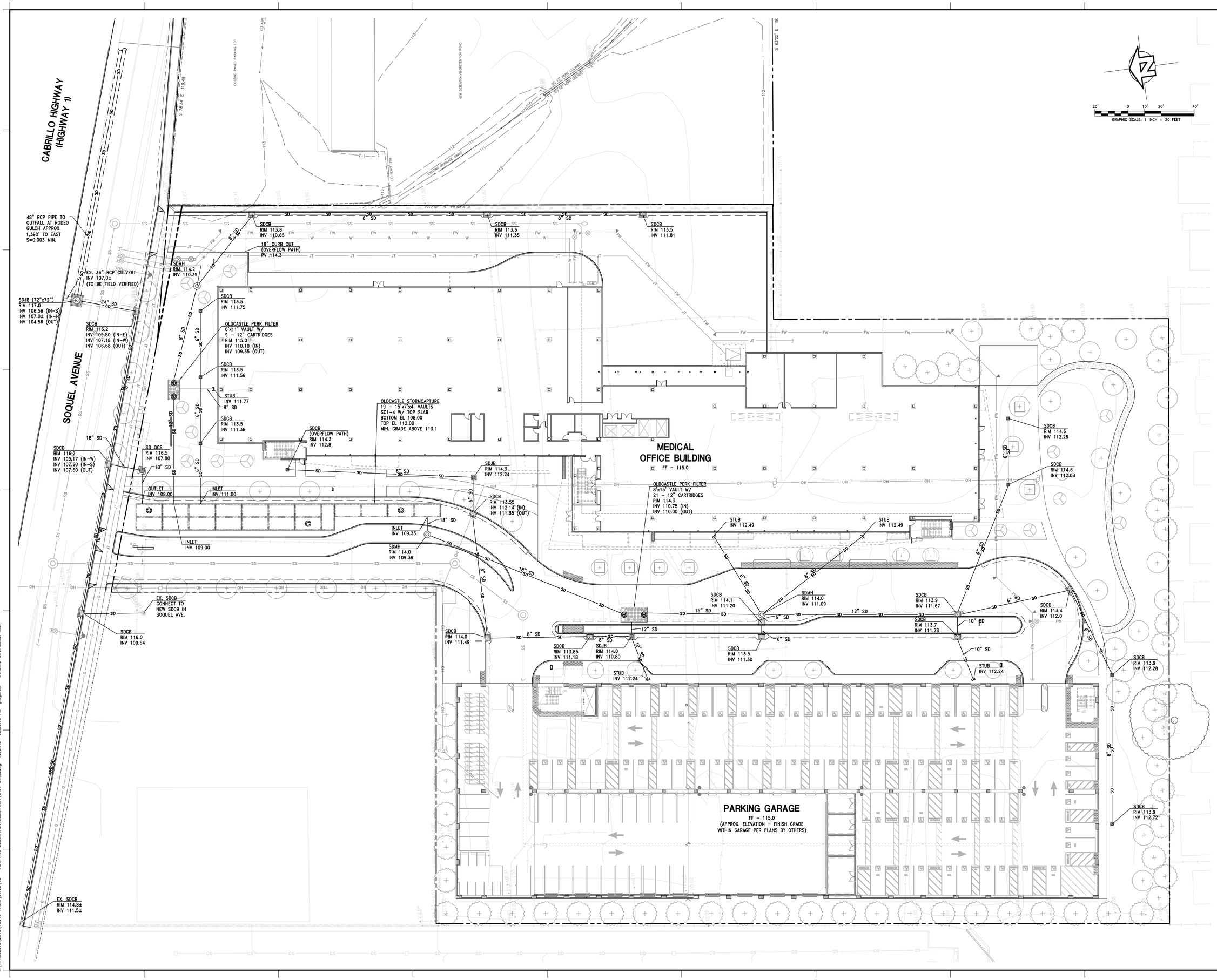


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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

SHEET TITLE

STORM DRAIN PLAN

18019 (IEI) 21739.000

PROJECT NUMBER

SD **C4.1**

SHEET NUMBER

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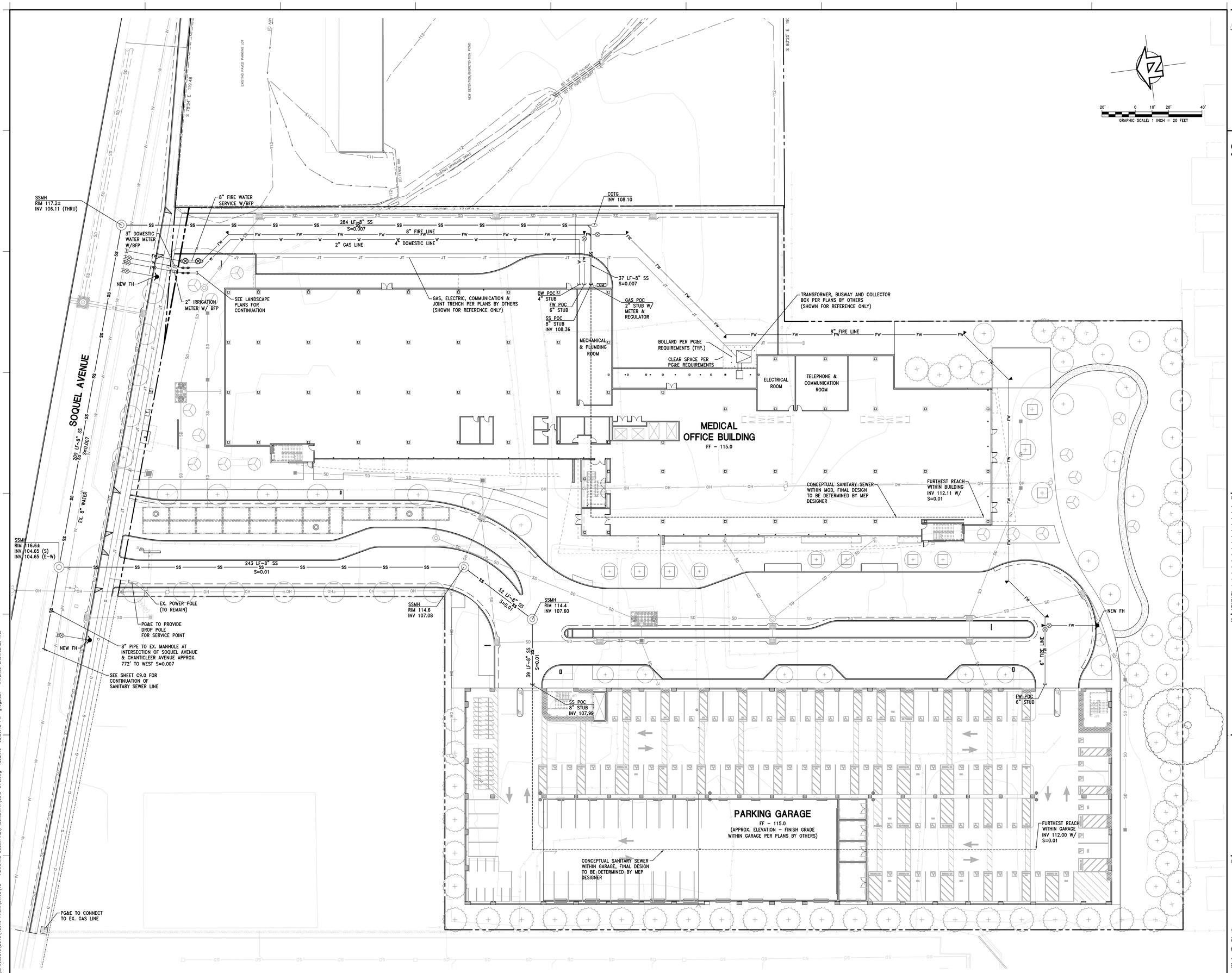



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SEALS AND SIGNATURES

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SHEET TITLE

UTILITY PLAN

18019 (IEI) 21739.000

PROJECT NUMBER

SD

SHEET NUMBER

C5.0

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## AREA SUMMARY TABLE

| | DMA 1A | DMA 1B | DMA 2 | TOTAL |
|---|---|---|---|---|
| MOB ROOF AREA | 22,950 SF | 23,685 SF | 0 SF | 46,635 SF |
| PARKING GARAGE ROOF AREA | 0 SF | 50,440 SF | 0 SF | 50,440 SF |
| PAVEMENT AREA | 21,068 SF | 45,127 SF | 0 SF | 66,195 SF |
| IMPERVIOUS AREA | 44,018 SF | 119,252 SF | 0 SF | 163,270 SF |
| LANDSCAPE AREA | 5,253 SF | 16,422 SF | 30,881 SF | 52,556 SF |
| PERVIOUS PATH | 0 SF | 0 SF | 923 SF | 923 SF |
| PERVIOUS AREA | 5,253 SF | 16,422 SF | 30,881 SF | 52,556 SF |
| TOTAL AREA | 49,271 SF | 135,674 SF | 31,805 SF | 216,750 SF |

## OFFSITE RUNOFF REDUCTION

| | DMA 1A | DMA 1B | DMA 2 |
|---|---|---|---|
| EXISTING RUNOFF AREA | N/A | N/A | 130,400 SF |
| EXISTING RUNOFF COEFFICIENT | N/A | N/A | 0.30 |
| EXISTING WEIGHTED AREA | N/A | N/A | 39,120 SF |
| PROPOSED RUNOFF AREA | N/A | N/A | 31,805 SF |
| PROPOSED RUNOFF COEFFICIENT | N/A | N/A | 0.30 |
| PROPOSED WEIGHTED AREA | N/A | N/A | 9,542 SF |
| PERCENTAGE REDUCTION | N/A | N/A | 75.6% |

## REQUIRED TREATMENT VOLUME

| | DMA 1A | DMA 1B | DMA 2 | TOTAL |
|---|---|---|---|---|
| IMPERVIOUS AREA | 44,018 SF | 119,252 SF | 0 SF | 163,270 SF |
| TREATMENT VOLUME | 0.204 CFS | 0.552 CFS | 0.000 CFS | 0.756 CFS |

VOLUME CALCULATED USING FLOW-BASED TREATMENT INTENSITY OF 0.2 INCHES / HOUR

## REQUIRED DETENTION MODULES

| | DMA 1 (A&B) | DMA 2 |
|---|---|---|
| VOLUME/MODULE | 420 CF | N/A |
| REQUIRED DETENTION | 7,765 CF | N/A |
| MODULES REQUIRED | 18.5 | N/A |

## 10-YEAR ORIFICE SIZING (DMA 1)

| | |
|---|---|
| PREDEVELOPMENT DISCHARGE RATE ($FT^3/S$) | 1.681 |
| DISCHARGE COEFFICIENT | 0.61 |
| HEADWATER DEPTH (FT) | 4.09 |
| TAILWATER DEPTH (FT) | 0 |
| ORIFICE AREA ($IN^2$) | 24.45 |
| ORIFICE DIAMETER (IN) | 5.58 |
| VELOCITY (FT/S) | 9.90 |
| FINAL ORIFICE DIAMETER (IN) | 5 1/2 |

**PROJECT:** Santa Cruz SMOB - APN: 029-021-47 **Calc by:** GS **Date:** 6/18/2019

### RUNOFF DETENTION BY THE MODIFIED RATIONAL METHOD

Data Entry: PRESS TAB & ENTER DESIGN VALUES — SS Ver: 1.0

| | | | |
|---|---|---|---|
| Site Location P60 Isoplith: | 1.50 | Fig. SWM-2 in County Design Criteria | |
| Rational Coefficients Cpre: | 0.25 | See note # 2 | |
| Cpost: | 0.90 | See note # 2 | |
| Impervious Area: | 163270 $ft^2$ | See note # 2 and # 4 | |

**STRUCTURE DIMENSIONS FOR DETENTION**

7765 $ft^3$ storage volume calculated
100 % void space assumed
7765 $ft^3$ excavated volume needed

| Structure | Length | Width* | Depth* | *For pipe, use the square |
|---|---|---|---|---|
| Ratios | 1.00 | 1.00 | 1.00 | root of the sectional area |
| Dimen. (ft) | 19.80 | 19.80 | 19.80 | |

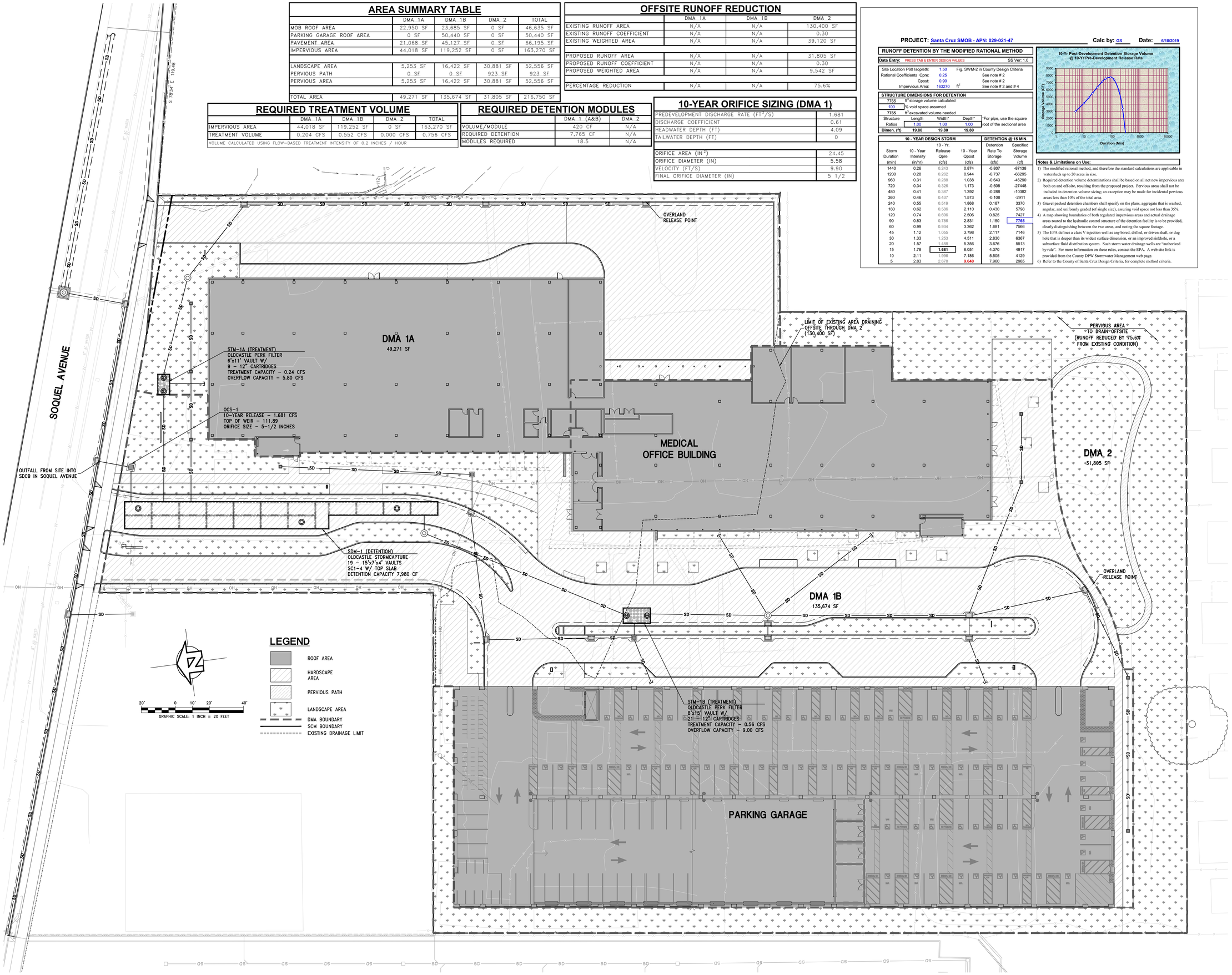
**10 - YEAR DESIGN STORM** / **DETENTION @ 15 MIN.**

| Storm Duration (min) | 10 - Year Intensity (in/hr) | 10 - Yr. Release Qpre (cfs) | 10 - Year Qpost (cfs) | Detention Rate To Storage (cfs) | Specified Storage Volume (cf) |
|---|---|---|---|---|---|
| 1440 | 0.26 | 0.243 | 0.874 | -0.807 | -87138 |
| 1200 | 0.28 | 0.262 | 0.944 | -0.737 | -66295 |
| 960 | 0.31 | 0.288 | 1.038 | -0.643 | -46290 |
| 720 | 0.34 | 0.326 | 1.173 | -0.508 | -27448 |
| 480 | 0.41 | 0.387 | 1.392 | -0.288 | -10382 |
| 360 | 0.46 | 0.437 | 1.573 | -0.108 | -2911 |
| 240 | 0.55 | 0.519 | 1.868 | 0.187 | 3370 |
| 180 | 0.62 | 0.586 | 2.110 | 0.430 | 5798 |
| 120 | 0.74 | 0.696 | 2.506 | 0.825 | 7427 |
| 90 | 0.83 | 0.786 | 2.831 | 1.150 | 7765 |
| 60 | 0.99 | 0.934 | 3.362 | 1.681 | 7566 |
| 45 | 1.12 | 1.055 | 3.798 | 2.117 | 7146 |
| 30 | 1.33 | 1.253 | 4.511 | 2.830 | 6367 |
| 20 | 1.57 | 1.488 | 5.356 | 3.676 | 5513 |
| 15 | 1.78 | 1.681 | 6.051 | 4.370 | 4917 |
| 10 | 2.11 | 1.995 | 7.186 | 5.505 | 4129 |
| 5 | 2.83 | 2.678 | 9.640 | 7.960 | 2985 |




**Notes & Limitations on Use:**

1) The modified rational method, and therefore the standard calculations are applicable in watersheds up to 20 acres in size.
2) Required detention volume determinations shall be based on all net new impervious area: both on and off-site, resulting from the proposed project. Pervious areas shall not be included in detention volume sizing; an exception may be made for incidental pervious areas less than 10% of the total area.
3) Gravel packed detention chambers shall specify on the plans, aggregate that is washed, angular, and uniformly graded (of single size), assuring void space net less than 35%.
4) A map showing boundaries of both regulated impervious areas and actual drainage areas routed to the hydraulic control structure of the detention facility is to be provided, clearly distinguishing between the two areas, and noting the square footage.
5) The EPA defines a class V injection well as any bored, drilled, or driven shaft, or dug hole that is deeper than its widest surface dimension, or an improved sinkhole, or a subsurface fluid distribution system. Such storm water drainage wells are "authorized by rule". For more information on these rules, contact the EPA. A web site link is provided from the County DPW Stormwater Management web page.
6) Refer to the County of Santa Cruz Design Criteria, for complete method criteria.





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SEALS AND SIGNATURES

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SHEET TITLE
STORMWATER CONTROL PLAN

18019 (IEI) 21739.000
PROJECT NUMBER

SD C6.0
SHEET NUMBER

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## GENERAL NOTES:

THE STORM CAPTURE™ SYSTEM BY OLDCASTLE PRECAST IS PART OF THE STORMWATER MANAGEMENT SYSTEM FOR THE RESPECTIVE SITE, AS PREPARED BY THE PROJECT DESIGN ENGINEER. IT IS THE RESPONSIBILITY OF THE DESIGN ENGINEER TO DETERMINE DESIGN FLOW RATES, PRE-TREATMENT AND POST-TREATMENT REQUIREMENTS, STORAGE VOLUME, AND ENSURE THE FINAL DESIGN MEETS ALL CONVEYANCE AND STORAGE REQUIREMENTS. SYSTEM DESIGN AND TYPE, SOIL ANALYSIS, LOADING REQUIREMENTS, COVER HEIGHT AND MODULE SIZE DETERMINE THE FOUNDATION TYPE AND REQUIREMENTS AS STATED HEREIN. ANY VARIATIONS FOUND DURING CONSTRUCTION FROM THE SITE AND SYSTEM ANALYSIS MUST BE REPORTED TO THE PROJECT DESIGN ENGINEER. THE PROJECT DESIGN ENGINEER IS RESPONSIBLE FOR OBTAINING A GEOTECHNICAL ENGINEERING REPORT VERIFYING THE BEARING CAPACITY STATED IN DESIGN NOTES.

## DESIGN NOTES:

1. DESIGN LOADINGS:
   A. AASHTO HS-20-44 W/ IMPACT.
   B. DEPTH OF COVER = 6" - 5'-0".
   C. ASSUMED WATER TABLE = BELOW BOTTOM.
   D. EQUIVALENT FLUID PRESSURE = 45 PCF.
   E. LATERAL LIVE LOAD SURCHARGE = 80 PSF.
   F. NO LATERAL SURCHARGE FROM ADJACENT STRUCTURES.
2. CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 6,000 PSI.
3. STEEL REINFORCEMENT: REBAR, ASTM A-615, GRADE 60.
4. CEMENT: ASTM C-150 SPECIFICATION.
5. STORM CAPTURE MODULE TYPE = DETENTION.
6. REQUIRED BASE LAYER DEPTH = 2" SAND BEDDING LAYER.
7. REQUIRED NATIVE ALLOWABLE SOIL BEARING PRESSURE = 3,000 PSF.
8. REFERENCE STANDARDS:
   A. ASTM C 890
   B. ASTM C 891
   C. ASTM C 913
9. LESS THAN 6" OR GREATER THAN 5' OF COVER REQUIRES CUSTOM STRUCTURAL DESIGN AND MAY REQUIRE THICKER SUBGRADE.

## INSTALLATION NOTES:

THE STORM CAPTURE™ MODULE SYSTEM IS TO BE INSTALLED IN ACCORDANCE WITH ASTM C891, INSTALLATION OF UNDERGROUND PRECAST UTILITY STRUCTURES. PROJECT PLAN AND SPECIFICATIONS MUST BE FOLLOWED ALONG WITH ANY APPLICABLE REGULATIONS.

1. PLAN LINE, GRADE AND ELEVATIONS MUST BE FOLLOWED.
2. WHERE SPECIFIED, AN 8 OZ. NON-WOVEN GEOTEXTILE FABRIC MUST BE USED AS A SEPARATION LAYER AROUND THE STORM CAPTURE SYSTEM.
3. PENETRATIONS IN THE GEOTEXTILE MAY ONLY BE MADE WITH SMOOTH WALL PIPES. MAKE PENETRATIONS FOR ALL OUTLETS BEFORE MAKING PENETRATIONS FOR ANY INLETS.
4. ALL SUBGRADE MATERIALS IF SPECIFIED, MUST BE CLEAN, DURABLE CRUSHED AGGREGATE COMPACTED OR ROLLED TO ACHIEVE 95% STANDARD PROCTOR DENSITY. OLDCASTLE RECOMMENDS SIZE 5,56,OR 57 (PER ASTM C33) .
5. DESIGNATED EMBEDDED LIFTERS MUST BE USED. USE PROPER RIGGING TO ASSURE ALL LIFTERS ARE EQUALLY ENGAGED WITH A MINIMUM 60 DEGREE ANGLE ON SLINGS AS NOTED AND IN ACCORDANCE WITH OLDCASTLE LIFTING PROCEDURES.
6. MODULES MUST BE PLACED AS CLOSE TOGETHER AS POSSIBLE, AND GAPS SHALL NOT BE GREATER THAN 3/4". ALL EXTERIOR SYSTEM JOINTS SHALL BE COVERED WITH A MIN. 8" JOINT WRAP ON SIDES AND TOP (CS-212 CONSEAL OR EQUIVALENT). IN A CLAMSHELL DESIGN INSTALL ONE ROW CS-102 CONSEAL (OR EQUIVALENT) BETWEEN PRECAST PIECES.
7. AUTHORIZATION SHOULD BE GIVEN BY THE PROJECT ENGINEER OR DESIGNATED PERSON PRIOR TO PLACEMENT ON BACKFILL FOR THE SYSTEM. CARE SHOULD BE TAKEN DURING PLACEMENT OF BACKFILL NOT TO DISPLACE MODULES OR JOINT WRAP. BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY OR AS SPECIFIED, AND SHOULD NOT BE COMPACTED WITHIN 6" OF MODULE.
8. CONSTRUCTION EQUIPMENT EXCEEDING DESIGN LOADING SHALL NOT BE ALLOWED ON STRUCTURE.
9. TERMADUCTS TO BE KNOCKED OUT AT SPECIFIED LOCATIONS IN FIELD BY OTHERS. SEE SITE LAYOUT FOR LOCATIONS.

## INLETS AND RISERS:

ALL PIPE INLETS SHALL EXTEND INSIDE MODULE A MINIMUM OF 4". PLACE A NON-SHRINK, NON-METALIC GROUT, MIN. 3,000 PSI IN ANNULAR SPACE TO ELIMINATE ALL VOIDS.

REVISIONS

| REVISION | DATE | SHEETS | DESCRIPTION OF REVISION |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
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STORMCAPTURE®

TABLE OF CONTENTS


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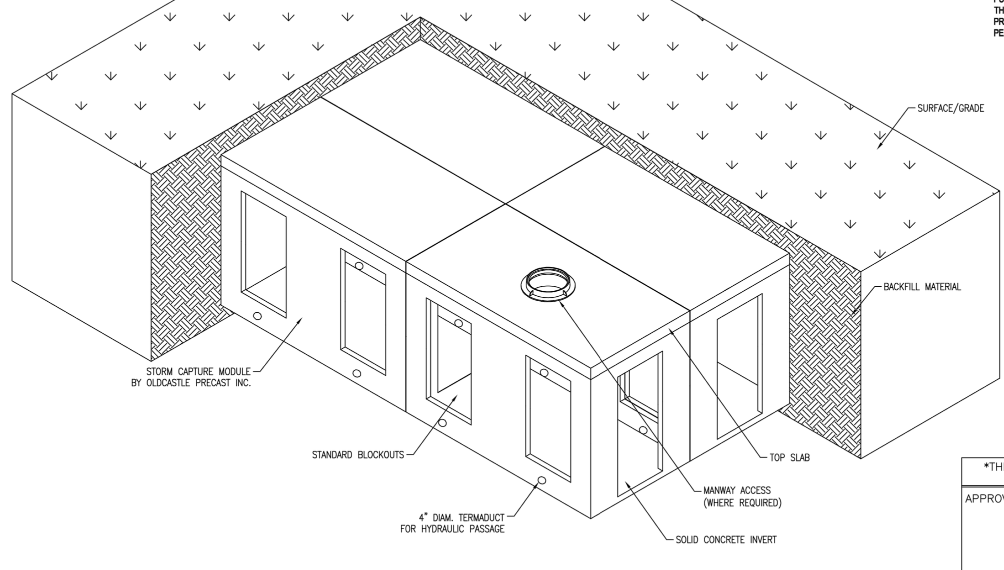
| NOTES & GENERAL ISO | 1 |
| TYPICAL ELEVATION | 2 |
| EXTERIOR DETAILS | 3 |
| INTERIOR DETAILS | 4 |


NOTE: THIS VIEW IS FOR ILLUSTRATION PURPOSES ONLY TO SHOW FEATURES OF THE SYSTEM. ACTUAL LAYOUT VARIES BY PROJECT, SEE SITE PLAN LAYOUT. ALL PERIMETER WALLS ARE SOLID.




BOTTOM MODULE WITH TOP SLAB ISO VIEW
N.T.S.

*THIS MUST BE FILLED OUT BEFORE MANUFACTURING BEGINS*
APPROVED W/ NO EXCEPTIONS TAKEN: ☐
APPROVED AS NOTED: ☐
REVISE AND RESUBMIT: ☐

- PRELIMINARY -
NOT FOR CONSTRUCTION

SIGNATURE | DATE

Oldcastle® Stormwater Solutions
7921 SOUTHPARK PLAZA, SUITE 200, LITTLETON, CO 80120
PHONE: 1-888-965-3227 FAX: 303-794-7497

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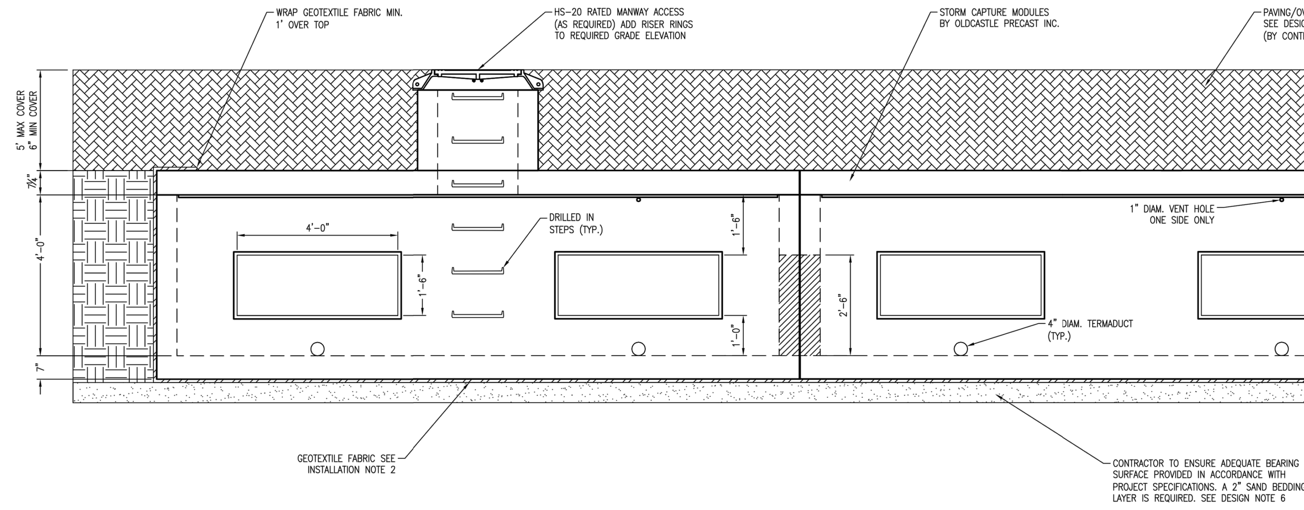
STORMCAPTURE
NOTES & GENERAL ISO

CUSTOMER

| DATE | SALES | DRAWN | ENGINEER | CHECKED | SALES ORDER |
|---|---|---|---|---|---|
| | STS | STS | JH | | |

DRAWING NUMBER: SC - 4 ft base with top slab | REVISION | REV DATE | SHEET 1 OF 4

STORMCAPTURE®




TYPICAL ELEVATION
SCALE: 3/8" = 1'-0"

NOTE:
TERMADUCT INSERTS TO BE KNOCKED OUT AT SPECIFIED LOCATIONS ONLY (BY OTHERS).

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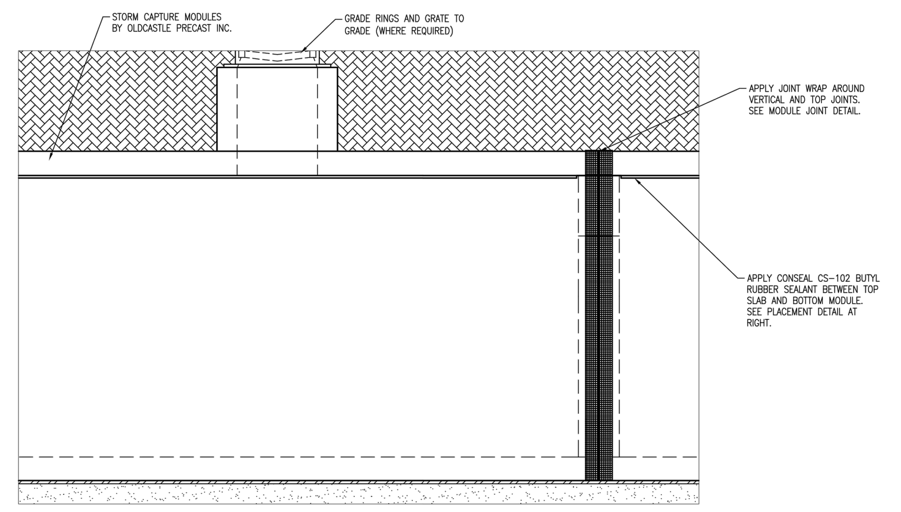
STORMCAPTURE
TYPICAL ELEVATION

CUSTOMER

| DATE | SALES | DRAWN | ENGINEER | CHECKED | SALES ORDER |
|---|---|---|---|---|---|
| | STS | STS | JH | | |

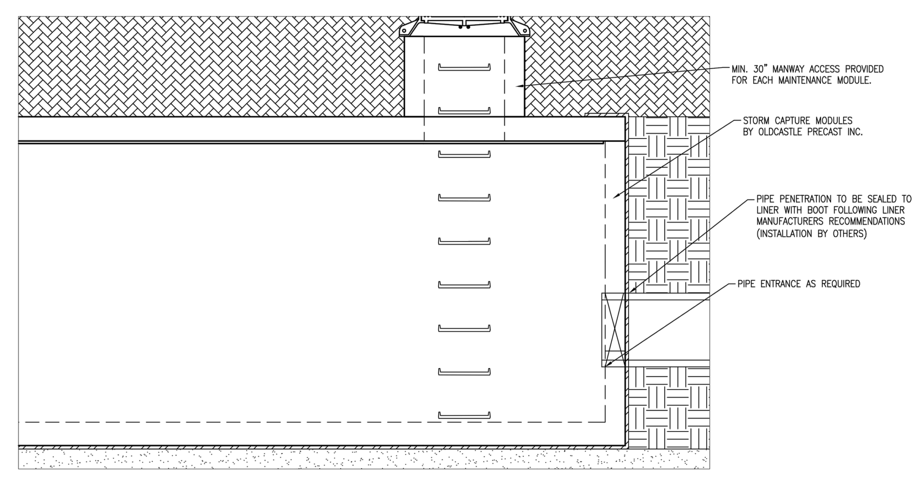
DRAWING NUMBER: SC - 4 ft base with top slab | REVISION | REV DATE | SHEET 2 OF 4

STORMCAPTURE®



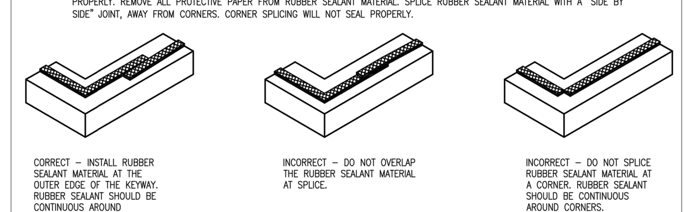

GRATED INLET DETAIL
SCALE: 3/8" = 1'-0"

NOTE: WEIR PLATES, IF REQUIRED, MAY BE INSTALLED WITH RED-HEAD ANCHORS (BY OTHERS). ELEVATIONS TO BE DETERMINED BY PROJECT DESIGN ENGINEER

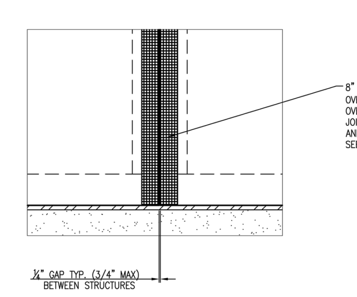



MANWAY ACCESS DETAIL
SCALE: 3/8" = 1'-0"

KEYWAYS MUST BE FREE OF DIRT, ROCKS, AND WATER. ROCKS AND DIRT PREVENT THE VAULT SECTIONS FROM SEATING AND SEALING PROPERLY. REMOVE ALL PROTECTIVE PAPER FROM RUBBER SEALANT MATERIAL. SPLICE RUBBER SEALANT MATERIAL WITH A "SIDE BY SIDE" JOINT, AWAY FROM CORNERS. CORNER SPLICING WILL NOT SEAL PROPERLY.




CONSEAL CS-102 BUTYL RUBBER SEALANT PLACEMENT DETAIL
NTS




MODULE JOINT DETAIL
SCALE: 1/2" = 1'-0"

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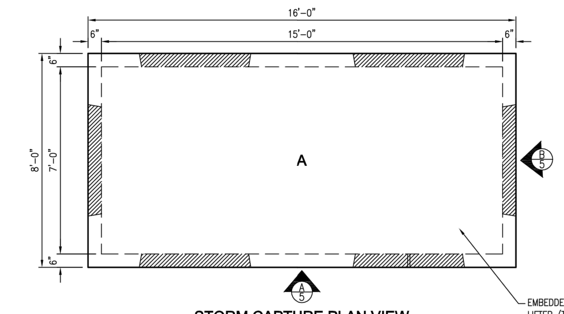
STORMCAPTURE
EXTERIOR DETAILS

CUSTOMER

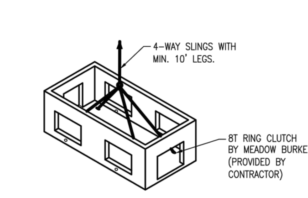
| DATE | SALES | DRAWN | ENGINEER | CHECKED | SALES ORDER |
|---|---|---|---|---|---|
| | STS | STS | JH | | |

DRAWING NUMBER: SC - 4 ft base with top slab | REVISION | REV DATE | SHEET 3 OF 4

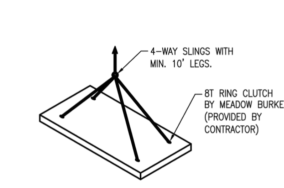
STORMCAPTURE®



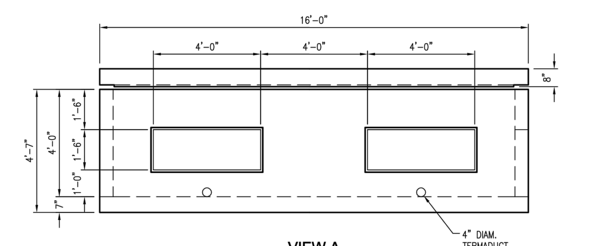

STORM CAPTURE PLAN VIEW
SCALE: 1/4" = 1'-0"



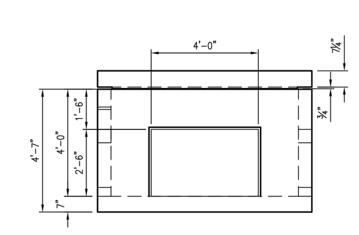

BOTTOM MODULE LIFTING DETAIL
N.T.S.




TOP SLAB LIFTING DETAIL
N.T.S.




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




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

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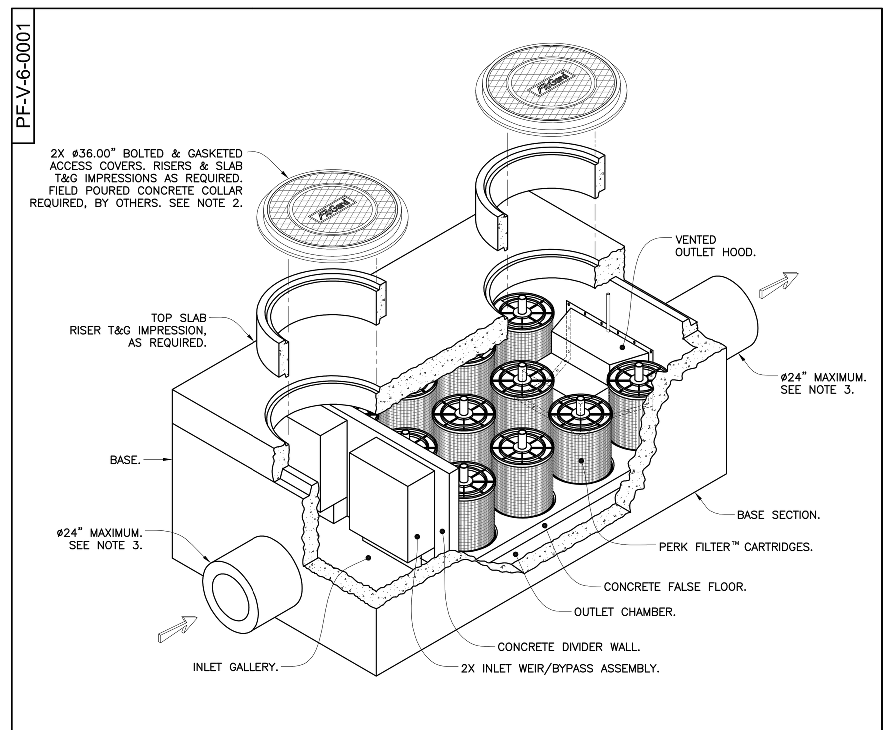
STORMCAPTURE
INTERIOR DETAILS

CUSTOMER

| DATE | SALES | DRAWN | ENGINEER | CHECKED | SALES ORDER |
|---|---|---|---|---|---|
| | STS | STS | JH | | |

DRAWING NUMBER: SC - 4 ft base with top slab | REVISION | REV DATE | SHEET 4 OF 4

PF-V-6-0001




Notes:

1. Precast concrete structure shall be manufactured in accordance with ASTM Designation C857 and C858.
2. Filter system shall be supplied with traffic rated (H20) bolted & gasketed Ø36" circular access covers with risers as required. Shallow applications may require configurations with (H20) bolted & gasketed square/rectangular access hatches. Field poured concrete collars required, by others.
3. Inlet & outlet pipe(s) (Ø 24" maximum) may enter device on all three sides of the inlet & outlet chambers respectively.
4. Inlet chamber shall be supplied with a drain-down device designed to remove standing water between storm events.
5. For depths less than specified minimums contact Oldcastle® Stormwater Solutions for engineering assistance.

**Perk Filter™** — Media Filtration
*6' Wide Concrete Vault*
*Four to Eleven Cartridges / Stacks*

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7921 Southpark Plaza, Suite 200 | Littleton, CO | 80120 | Ph: 800.579.8819 | oldcastlestormwater.com

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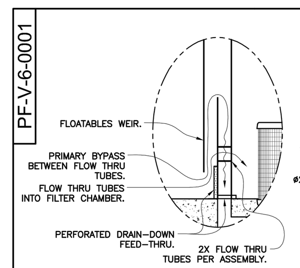
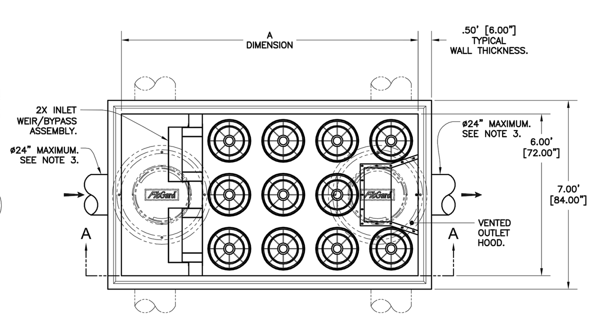
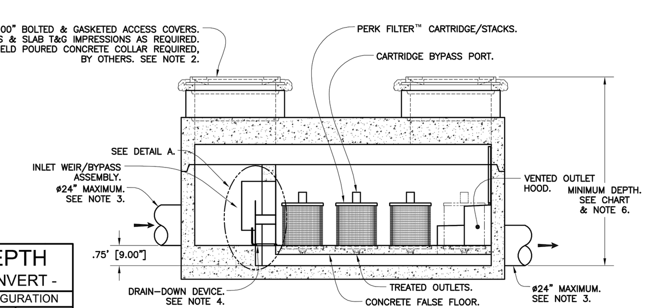
DRAWING NO. PF-V-6-0001 | REV F | ECO ECO-0122 JPR 10/3/14 | DATE JPR 7/8/08 | SHEET 1 OF 2

PF-V-6-0001




DETAIL A
INLET WEIR/BYPASS ASSEMBLY & DRAIN-DOWN.
SCALE: NONE




SECTION A-A

MINIMUM DEPTH
- RIM TO OUTLET INVERT -

| CARTRIDGE STACK CONFIGURATION | | | |
|---|---|---|---|
| 12" | 18" | 12" + 12" | 12" + 18" |
| 4.25' [51.00"] | 5.00' [60.00"] | 5.92' [71.00"] | 6.67' [80.00"] |

6' VAULT
TREATMENT FLOW RATES, TOTAL FLOW CAPACITIES & MAXIMUM HEAD LOSS

| CARTRIDGE STACK QUANTITY | A DIMENSION - LENGTH - (ID-FEET) | 12" TREATMENT FLOW RATE (GPM / CFS) | 12" TOTAL FLOW CAPACITY (CFS) | 18" TREATMENT FLOW RATE (GPM / CFS) | 18" TOTAL FLOW CAPACITY (CFS) | 12" & 12" TREATMENT FLOW RATE (GPM / CFS) | 12" & 12" TOTAL FLOW CAPACITY (CFS) | 12" & 18" TREATMENT FLOW RATE (GPM / CFS) | 12" & 18" TOTAL FLOW CAPACITY (CFS) |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 7 | 48 / 0.11 | 5.7 | 72 / 0.16 | 8.5 | 96 / 0.21 | 9.7 | 120 / 0.27 | 13.0 |
| 5 | 7 | 60 / 0.13 | 5.7 | 90 / 0.20 | 8.6 | 120 / 0.27 | 9.7 | 150 / 0.33 | 13.0 |
| 6 | 9 | 72 / 0.16 | 5.8 | 108 / 0.24 | 8.6 | 144 / 0.32 | 9.8 | 180 / 0.40 | 13.1 |
| 7 | 9 | 84 / 0.19 | 5.8 | 126 / 0.28 | 8.6 | 168 / 0.37 | 9.9 | 210 / 0.47 | 13.2 |
| 8 | 9 | 96 / 0.21 | 5.8 | 144 / 0.32 | 8.7 | 192 / 0.43 | 9.9 | 240 / 0.53 | 13.2 |
| 9 | 11 | 108 / 0.24 | 5.8 | 162 / 0.36 | 8.7 | 216 / 0.48 | 10.0 | 270 / 0.60 | 13.3 |
| 10 | 11 | 120 / 0.27 | 5.9 | 180 / 0.40 | 8.8 | 240 / 0.53 | 10.0 | 300 / 0.67 | 13.4 |
| 11 | 11 | 132 / 0.29 | 5.9 | 198 / 0.44 | 8.8 | 264 / 0.59 | 10.1 | 330 / 0.74 | 13.4 |
| MAXIMUM HEAD LOSS | | 1.7 FEET | | 2.3 FEET | | 2.9 FEET | | 3.5 FEET | |

**Perk Filter™** — Media Filtration
*6' Wide Concrete Vault*
*Four to Eleven Cartridges / Stacks*

Oldcastle® Stormwater Solutions
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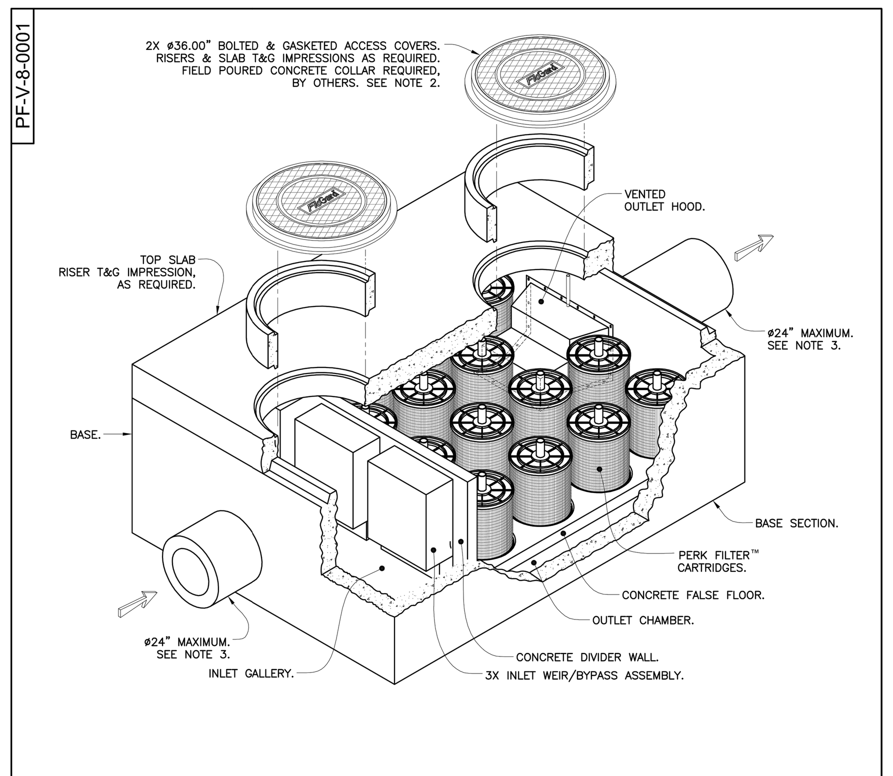
DRAWING NO. PF-V-6-0001 | REV F | ECO ECO-0122 JPR 10/3/14 | DATE JPR 7/8/08 | SHEET 2 OF 2

PF-V-8-0001




Notes:

1. Precast concrete structure shall be manufactured in accordance with ASTM Designation C857 and C858.
2. Filter system shall be supplied with traffic rated (H20) bolted & gasketed Ø36" circular access covers with risers as required. Shallow applications may require configurations with (H20) bolted & gasketed square/rectangular access hatches. Field poured concrete collars required, by others.
3. Inlet & outlet pipe(s) (Ø 24" maximum) may enter device on all three sides of the inlet & outlet chambers respectively.
4. Inlet chamber shall be supplied with a drain-down device designed to remove standing water between storm events.
5. For depths less than specified minimums contact Oldcastle® Stormwater Solutions for engineering assistance.

**Perk Filter™** — Media Filtration
*8' Wide Concrete Vault*
*Six to Thirty One Cartridges / Stacks*

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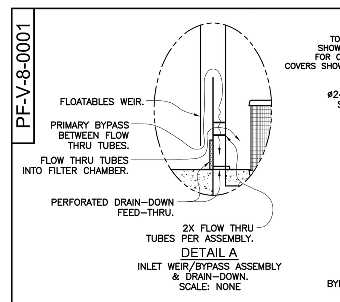
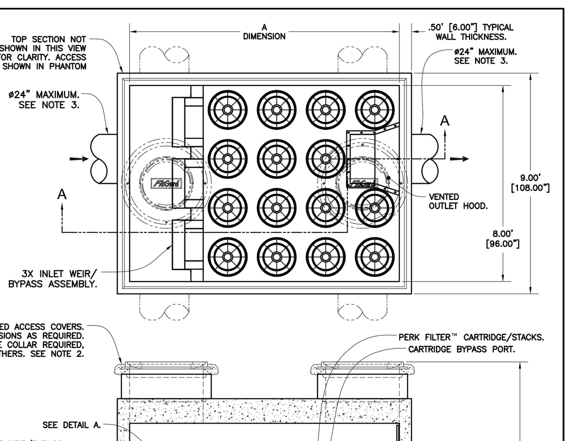
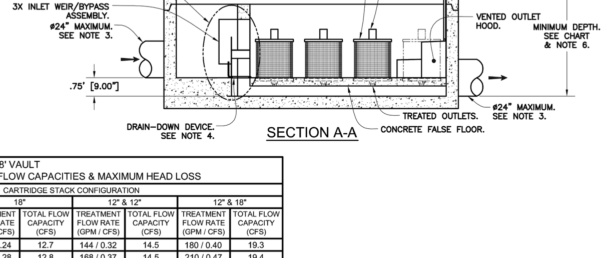
DRAWING NO. PF-V-8-0001 | REV F | ECO ECO-0122 JPR 10/3/14 | DATE JPR 7/8/08 | SHEET 1 OF 2

PF-V-8-0001




DETAIL A
INLET WEIR/BYPASS ASSEMBLY & DRAIN-DOWN.
SCALE: NONE




SECTION A-A

MINIMUM DEPTH
- RIM TO OUTLET INVERT -

| CARTRIDGE STACK CONFIGURATION | | | |
|---|---|---|---|
| 12" | 18" | 12" + 12" | 12" + 18" |
| 4.25' [51.00"] | 5.00' [60.00"] | 5.92' [71.00"] | 6.67' [80.00"] |

8' VAULT
TREATMENT FLOW RATES, TOTAL FLOW CAPACITIES & MAXIMUM HEAD LOSS

| CARTRIDGE STACK QUANTITY | A DIMENSION - LENGTH - (ID-FEET) | 12" TREATMENT FLOW RATE (GPM / CFS) | 12" TOTAL FLOW CAPACITY (CFS) | 18" TREATMENT FLOW RATE (GPM / CFS) | 18" TOTAL FLOW CAPACITY (CFS) | 12" & 12" TREATMENT FLOW RATE (GPM / CFS) | 12" & 12" TOTAL FLOW CAPACITY (CFS) | 12" & 18" TREATMENT FLOW RATE (GPM / CFS) | 12" & 18" TOTAL FLOW CAPACITY (CFS) |
|---|---|---|---|---|---|---|---|---|---|
| 6 | 7 | 72 / 0.16 | 8.6 | 108 / 0.24 | 12.7 | 144 / 0.32 | 14.5 | 180 / 0.40 | 19.3 |
| 7 | 7 | 84 / 0.19 | 8.6 | 126 / 0.28 | 12.8 | 168 / 0.37 | 14.5 | 210 / 0.47 | 19.4 |
| 8 | 9 | 96 / 0.21 | 8.6 | 144 / 0.32 | 12.8 | 192 / 0.43 | 14.6 | 240 / 0.53 | 19.5 |
| 9 | 9 | 108 / 0.24 | 8.6 | 162 / 0.36 | 12.8 | 216 / 0.48 | 14.6 | 270 / 0.60 | 19.5 |
| 10 | 9 | 120 / 0.27 | 8.7 | 180 / 0.40 | 12.9 | 240 / 0.53 | 14.7 | 300 / 0.67 | 19.6 |
| 11 | 9 | 132 / 0.29 | 8.7 | 198 / 0.44 | 12.9 | 264 / 0.59 | 14.7 | 330 / 0.74 | 19.7 |
| 12 | 11 | 144 / 0.32 | 8.7 | 216 / 0.48 | 12.9 | 288 / 0.64 | 14.7 | 360 / 0.80 | 19.7 |
| 13 | 11 | 156 / 0.35 | 8.8 | 234 / 0.52 | 13.0 | 312 / 0.70 | 14.8 | 390 / 0.87 | 19.8 |
| 14 | 11 | 168 / 0.37 | 8.8 | 252 / 0.56 | 13.0 | 336 / 0.75 | 14.9 | 420 / 0.94 | 19.9 |
| 15 | 11 | 180 / 0.40 | 8.8 | 270 / 0.60 | 13.1 | 360 / 0.80 | 15.0 | 450 / 1.00 | 19.9 |
| 16 | 13 | 192 / 0.43 | 8.8 | 288 / 0.64 | 13.1 | 384 / 0.86 | 15.0 | 480 / 1.07 | 20.0 |
| 17 | 13 | 204 / 0.45 | 8.9 | 306 / 0.68 | 13.2 | 408 / 0.91 | 15.1 | 510 / 1.14 | 20.1 |
| 18 | 13 | 216 / 0.48 | 8.9 | 324 / 0.72 | 13.2 | 432 / 0.96 | 15.1 | 540 / 1.20 | 20.1 |
| 19 | 13 | 228 / 0.51 | 8.9 | 342 / 0.76 | 13.2 | 456 / 1.02 | 15.2 | 570 / 1.27 | 20.2 |
| 20 | 15 | 240 / 0.53 | 8.9 | 360 / 0.80 | 13.3 | 480 / 1.07 | 15.2 | 600 / 1.34 | 20.3 |
| 21 | 15 | 252 / 0.56 | 9.0 | 378 / 0.84 | 13.3 | 504 / 1.12 | 15.3 | 630 / 1.40 | 20.3 |
| 22 | 15 | 264 / 0.59 | 9.0 | 396 / 0.88 | 13.4 | 528 / 1.18 | 15.3 | 660 / 1.47 | 20.4 |
| 23 | 15 | 276 / 0.61 | 9.0 | 414 / 0.92 | 13.4 | 552 / 1.23 | 15.4 | 690 / 1.54 | 20.5 |
| 24 | 18 | 288 / 0.64 | 9.0 | 432 / 0.96 | 13.4 | 576 / 1.28 | 15.4 | 720 / 1.60 | 20.5 |
| 25 | 18 | 300 / 0.67 | 9.1 | 450 / 1.00 | 13.5 | 600 / 1.34 | 15.5 | 750 / 1.67 | 20.6 |
| 26 | 18 | 312 / 0.70 | 9.1 | 468 / 1.04 | 13.5 | 624 / 1.39 | 15.5 | 780 / 1.74 | 20.7 |
| 27 | 18 | 324 / 0.72 | 9.1 | 486 / 1.08 | 13.6 | 648 / 1.44 | 15.6 | 810 / 1.80 | 20.7 |
| 28 | 18 | 336 / 0.75 | 9.2 | 504 / 1.12 | 13.6 | 672 / 1.50 | 15.6 | 840 / 1.87 | 20.8 |
| 29 | 18 | 348 / 0.78 | 9.2 | 522 / 1.16 | 13.6 | 696 / 1.55 | 15.7 | 870 / 1.94 | 20.9 |
| 30 | 18 | 360 / 0.80 | 9.2 | 540 / 1.20 | 13.7 | 720 / 1.60 | 15.8 | 900 / 2.01 | 20.9 |
| 31 | 18 | 372 / 0.83 | 9.2 | 558 / 1.24 | 13.7 | 744 / 1.66 | 15.8 | 930 / 2.07 | 21.0 |
| MAXIMUM HEAD LOSS | | 1.7 FEET | | 2.3 FEET | | 2.9 FEET | | 3.5 FEET | |

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DRAWING NO. PF-V-8-0001 | REV F | ECO ECO-0122 JPR 10/3/14 | DATE JPR 7/8/08 | SHEET 2 OF 2


PMB Real Estate Services
Real Estate Management Solutions for Healthcare

PMB Santa Cruz, LLC
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| PRE-APPLICATION SUBMITTAL | | 08/23/2018 |

SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

SHEET TITLE

STORMWATER CONTROL DETAILS

18019 (IEI) 21739.000
PROJECT NUMBER

SD C6.1
SHEET NUMBER

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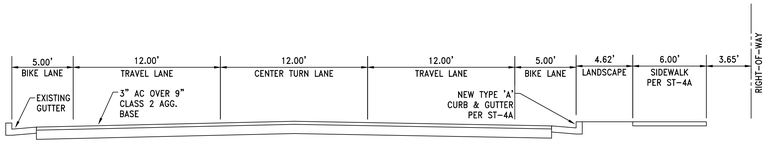
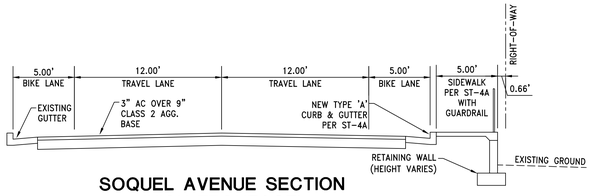


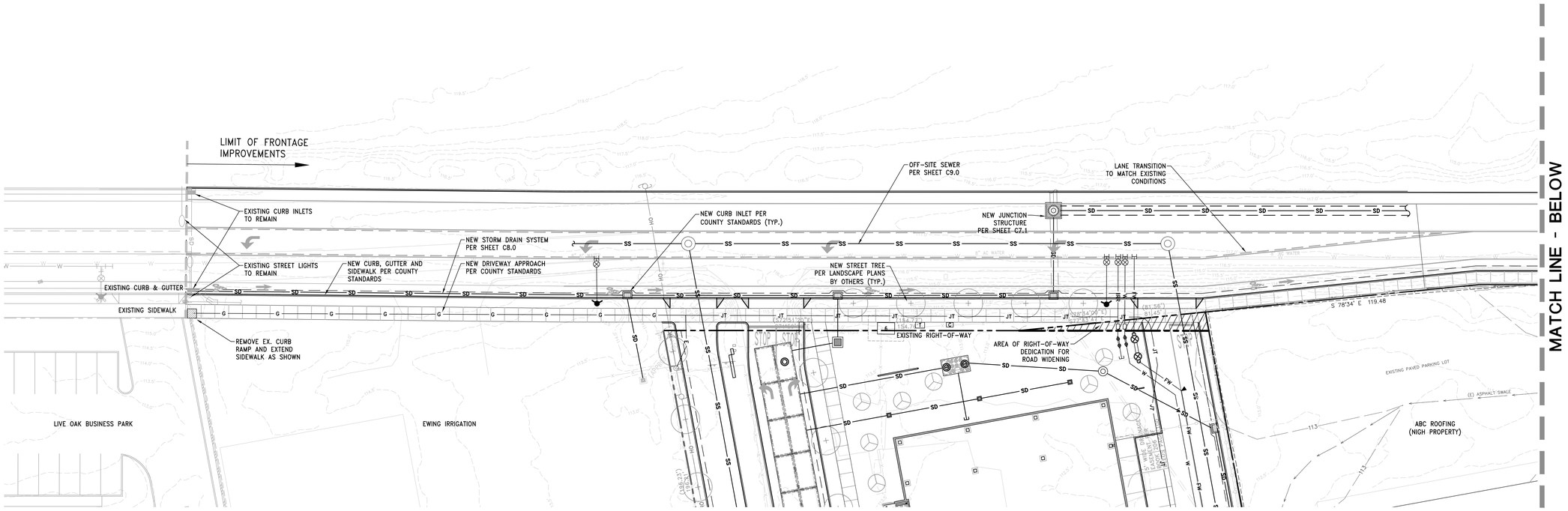

## SOQUEL AVENUE SECTION (PROJECT FRONTAGE)

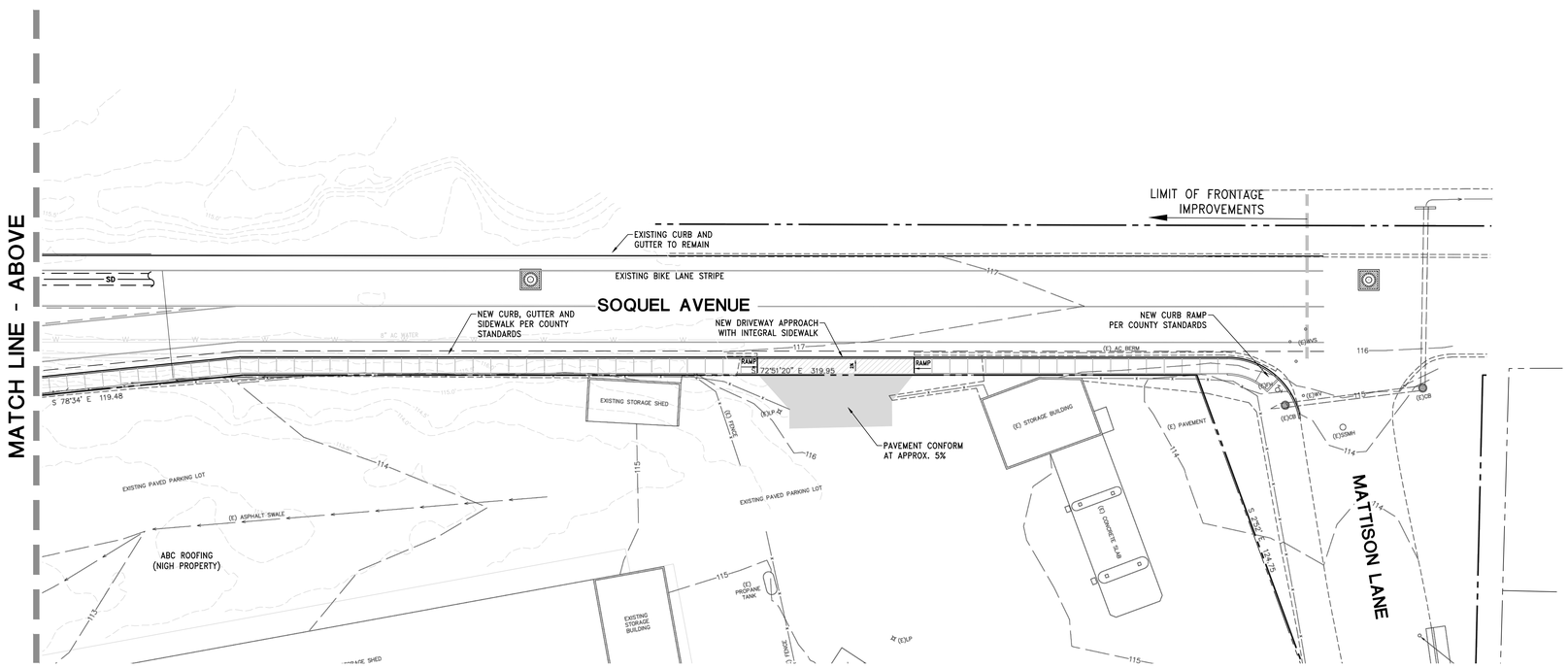
SCALE: 1" = 5'




## SOQUEL AVENUE SECTION (NIGH FRONTAGE)

SCALE: 1" = 5'




## SOQUEL AVENUE FRONTAGE IMPROVEMENT PLAN

SCALE: 1" = 20'

**NOTE**

SURVEY INFORMATION SHOWN HEREON FOR THE NIGH PROPERTY PROVIDED COURTESY OF ROPER ENGINEERING

20' 0 10' 20' 40'

GRAPHIC SCALE: 1 INCH = 20 FEET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| PRE-APPLICATION SUBMITTAL | | 08/23/2018 |

SEALS AND SIGNATURES

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SHEET TITLE

OFF-SITE FRONTAGE IMPROVEMENT PLAN

18019 (IEI) 21739.000

PROJECT NUMBER

SD **C7.0**

SHEET NUMBER


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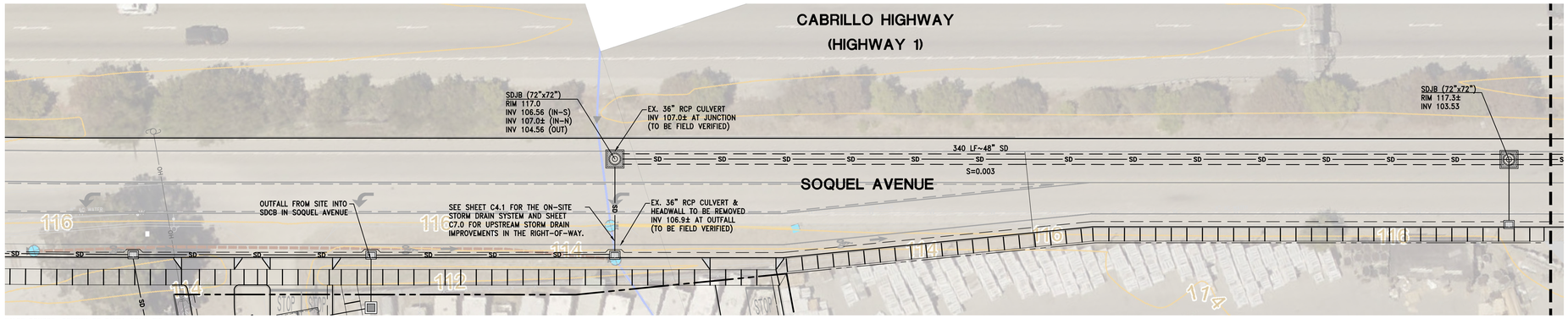


IMAGE SOURCE: COUNTY OF SANTA CRUZ GIS

## SOQUEL AVENUE STORM DRAIN PLAN - AREA A

SCALE: 1" = 20'

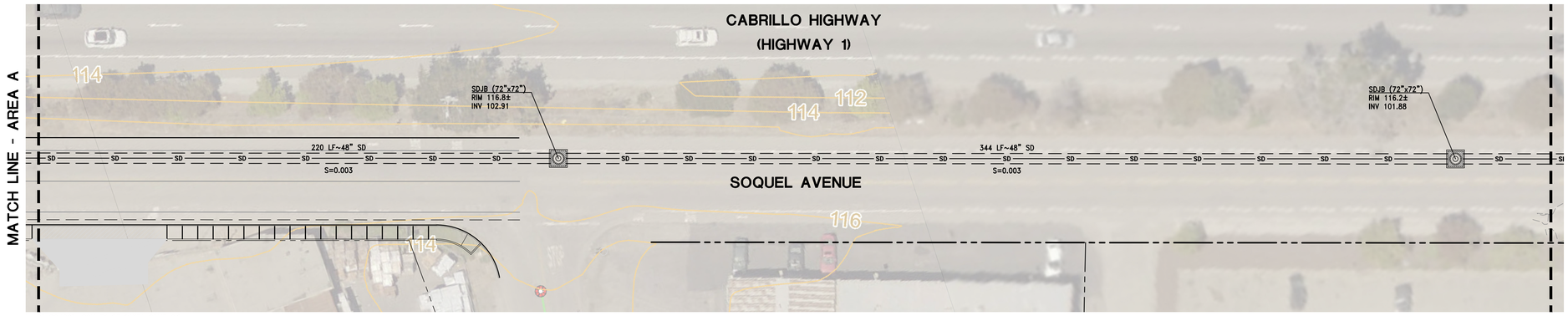


IMAGE SOURCE: COUNTY OF SANTA CRUZ GIS

## SOQUEL AVENUE STORM DRAIN PLAN - AREA B

SCALE: 1" = 20'

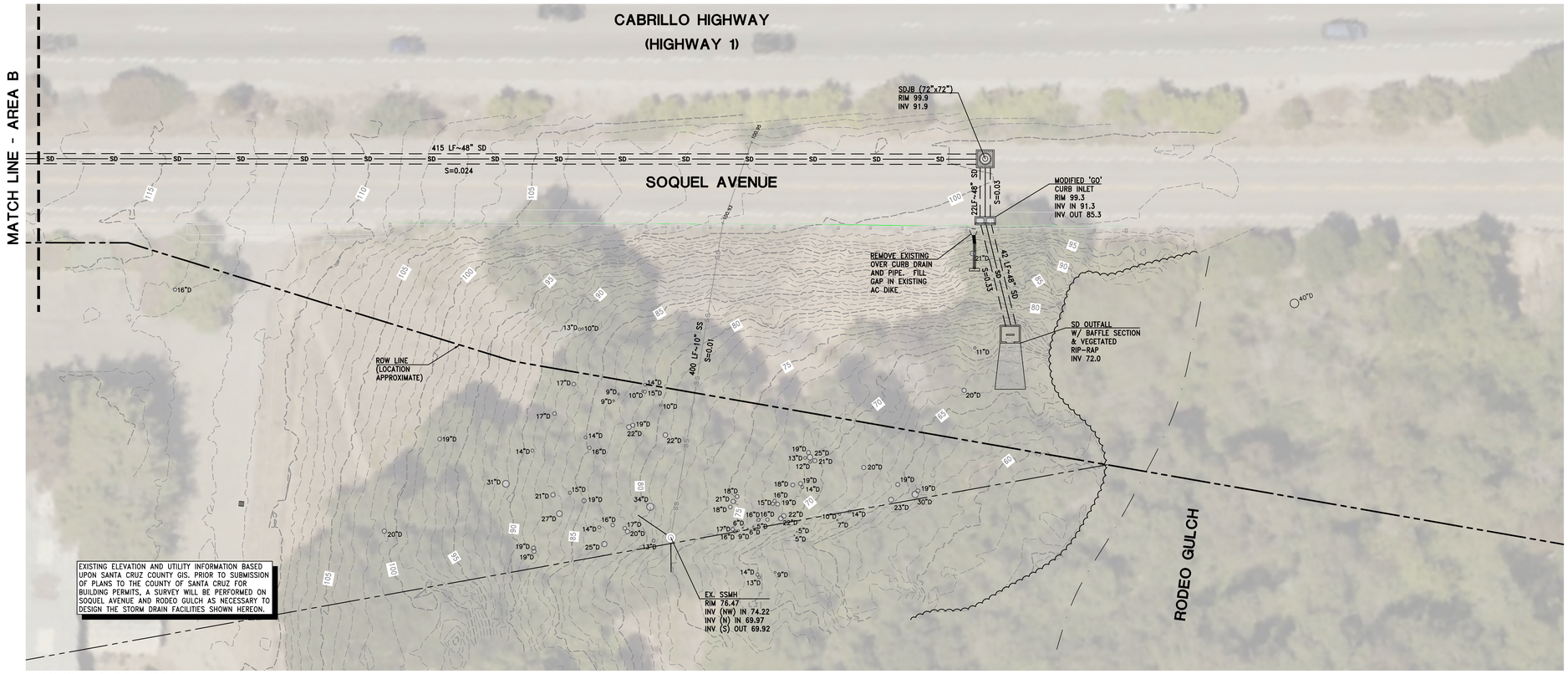


IMAGE SOURCE: COUNTY OF SANTA CRUZ GIS

## SOQUEL AVENUE STORM DRAIN PLAN - AREA C

SCALE: 1" = 20'

GRAPHIC SCALE: 1 INCH = 20 FEET


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|---|---|---|
| REVISED SD OUTFALL | | 04/07/2020 |
| PERMIT RESUBMITTAL | | 06/24/2019 |
| Discretionary Review Application | | 10/31/2018 |
| PRE-APPLICATION SUBMITTAL | | 08/23/2018 |

SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

SHEET TITLE

OFF-SITE STORM DRAIN PLAN

18019 (IEI) 21739.000

PROJECT NUMBER

SD C8.0

SHEET NUMBER


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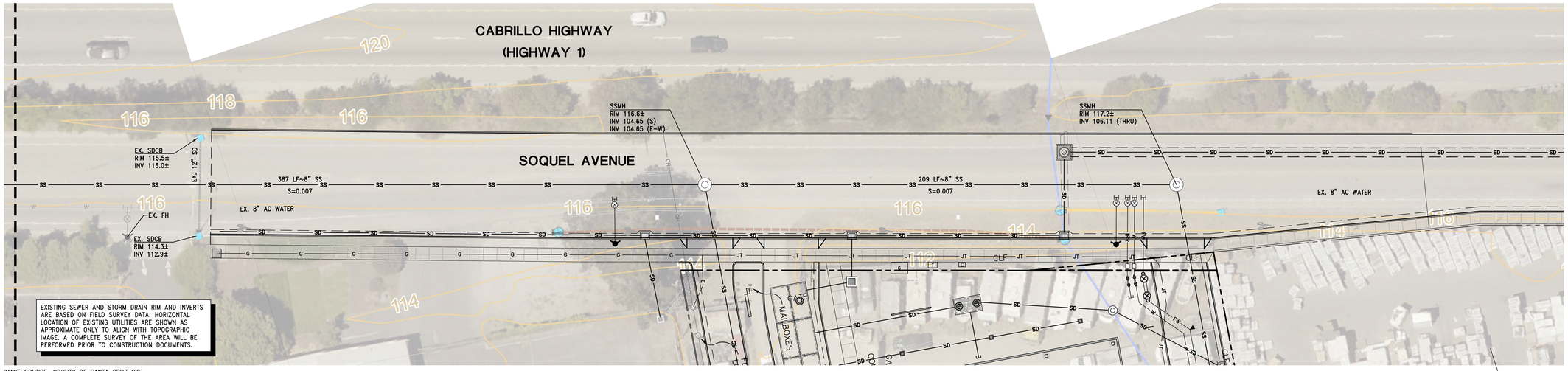


IMAGE SOURCE: COUNTY OF SANTA CRUZ GIS

## SOQUEL AVENUE SANITARY SEWER PLAN

SCALE: 1" = 20'

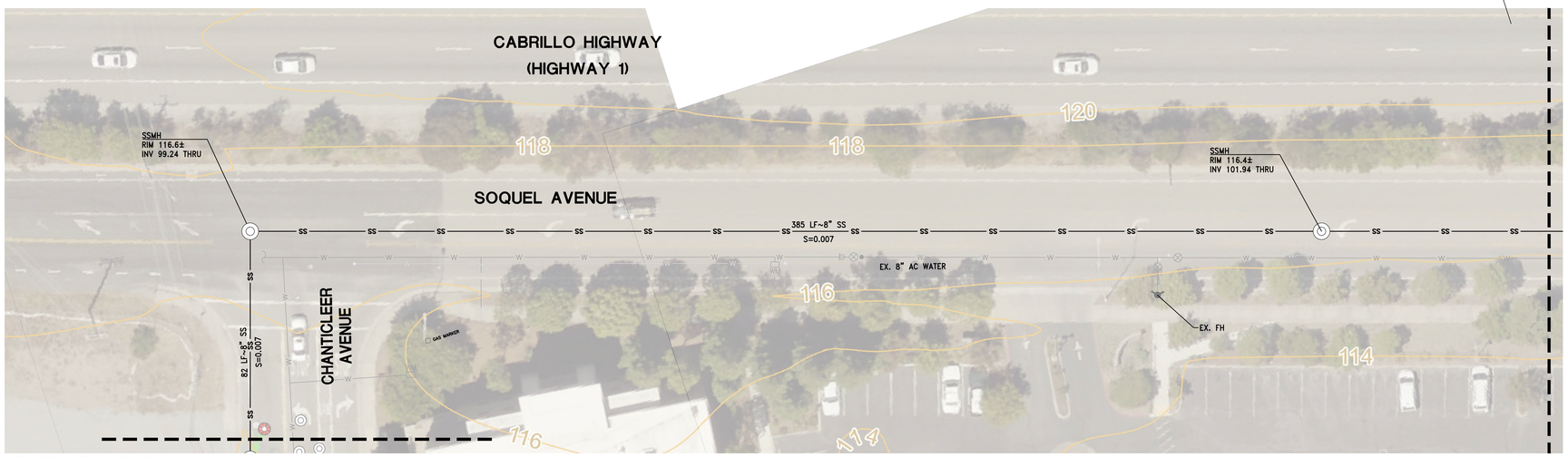


IMAGE SOURCE: COUNTY OF SANTA CRUZ GIS

## SOQUEL AVENUE SANITARY SEWER PLAN

SCALE: 1" = 20'

REPLACING THE EXISTING SEWER IN CHANTICLEER AVENUE WILL REQUIRE CONSTRUCTION OF A TEMPORARY BYPASS LINE TO MAINTAIN SERVICE TO PARCELS ALONG THE ROUTE. ONCE THE NEW MAIN IS IN PLACE, SERVICE CONNECTIONS WILL BE MADE TO THE NEW MAIN AND THE BYPASS LINE REMOVED AND BACKFILLED PER COUNTY SANITATION STANDARDS.

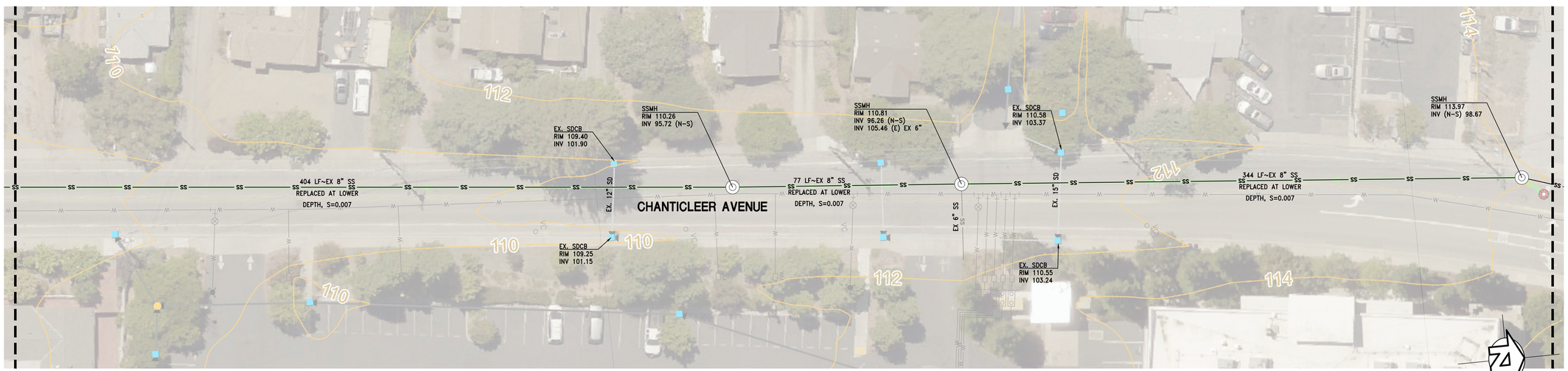


IMAGE SOURCE: COUNTY OF SANTA CRUZ GIS

## SOQUEL AVENUE SANITARY SEWER PLAN

SCALE: 1" = 20'

20' 0 10' 20' 40'

GRAPHIC SCALE: 1 INCH = 20 FEET


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| PERMIT APPLICATION | | 03/27/2019 |
| PRE-APPLICATION SUBMITTAL | | 08/23/2018 |

SEALS AND SIGNATURES

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SHEET TITLE

OFF-SITE SANITARY SEWER PLAN

18019 (IEI) 21739.000

PROJECT NUMBER

SD

SHEET NUMBER

C9.0

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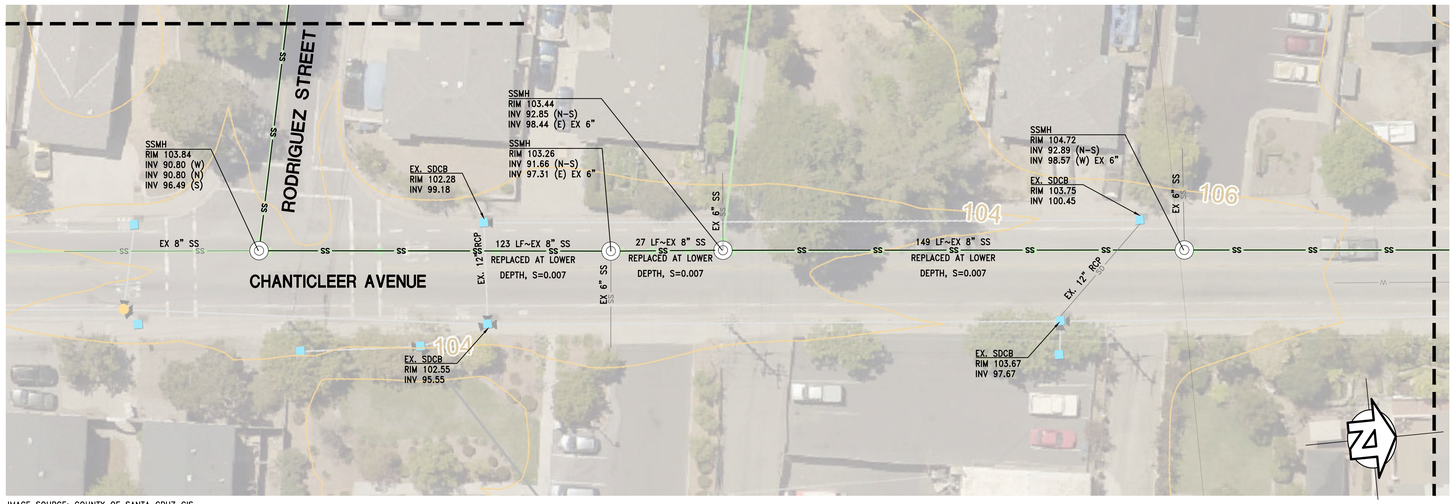
MATCH LINE - D

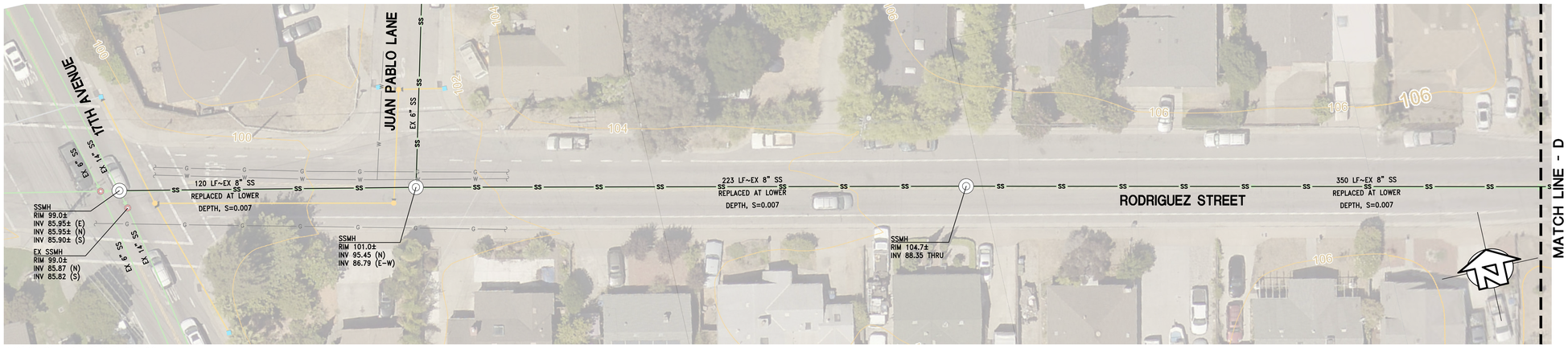



MATCH LINE - C, SHEET C9.0

IMAGE SOURCE: COUNTY OF SANTA CRUZ GIS

## SOQUEL AVENUE SANITARY SEWER PLAN

SCALE: 1" = 20'




MATCH LINE - D

IMAGE SOURCE: COUNTY OF SANTA CRUZ GIS

## SOQUEL AVENUE SANITARY SEWER PLAN

SCALE: 1" = 20'

EXISTING SEWER AND STORM DRAIN RIM AND INVERTS ARE BASED ON FIELD SURVEY DATA. HORIZONTAL LOCATION OF EXISTING UTILITIES ARE SHOWN AS APPROXIMATE ONLY TO ALIGN WITH TOPOGRAPHIC IMAGE. A COMPLETE SURVEY OF THE AREA WILL BE PERFORMED PRIOR TO CONSTRUCTION DOCUMENTS.

REPLACING THE EXISTING SEWER IN CHANTICLEER AVENUE AND RODRIGUEZ AVENUE WILL REQUIRE CONSTRUCTION OF A TEMPORARY BYPASS LINE TO MAINTAIN SERVICE TO PARCELS ALONG THE ROUTE. ONCE THE NEW MAIN IS IN PLACE, SERVICE CONNECTIONS WILL BE MADE TO THE NEW MAIN AND THE BYPASS LINE REMOVED AND BACKFILLED PER COUNTY SANITATION STANDARDS.

20' 0 10' 20' 40'
GRAPHIC SCALE: 1 INCH = 20 FEET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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

SHEET TITLE
OFF-SITE SANITARY SEWER PLAN

18019 (IEI) 21739.000
PROJECT NUMBER

SD C9.1
SHEET NUMBER


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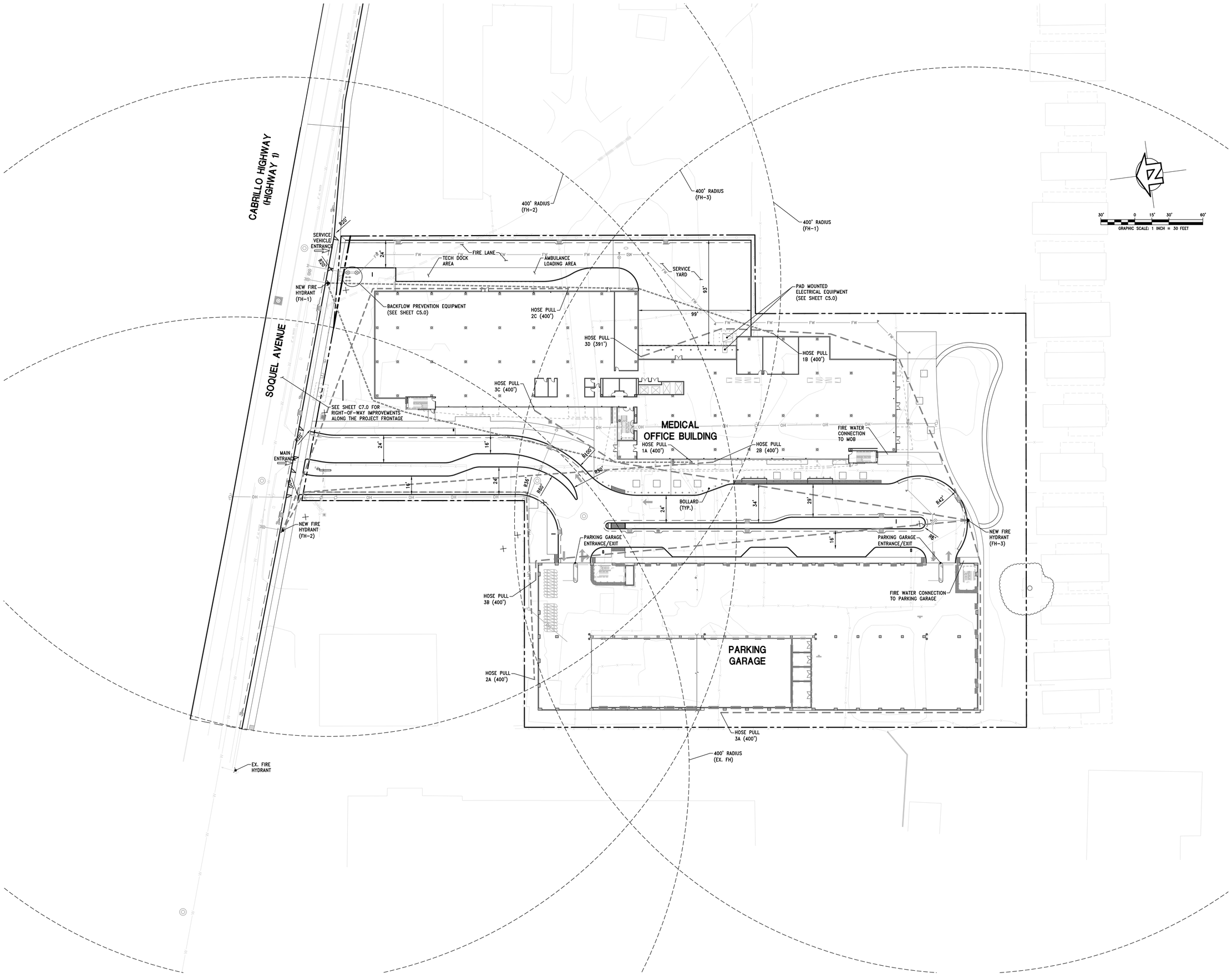



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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

SHEET TITLE

FIRE APPARATUS ACCESS PLAN

18019 (IEI) 21739.000

PROJECT NUMBER

SD

SHEET NUMBER

C10.0

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## SHEET NOTES

## LEGEND

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- SPECIALTY PAVEMENT
- ORNAMENTAL GRASSES
- NATIVE GRASSES
- DECIDUOUS TREE
- EVERGREEN TREE
- ORNAMENTAL TREE
- ORNAMENTAL TREE
- PERENNIAL PLANTING
- PATIO TABLE
- BENCH
- ENTRY BOLLARD


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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEYPLAN

PROJECT NORTH

SHEET TITLE

# LANDSCAPE SITE PLAN

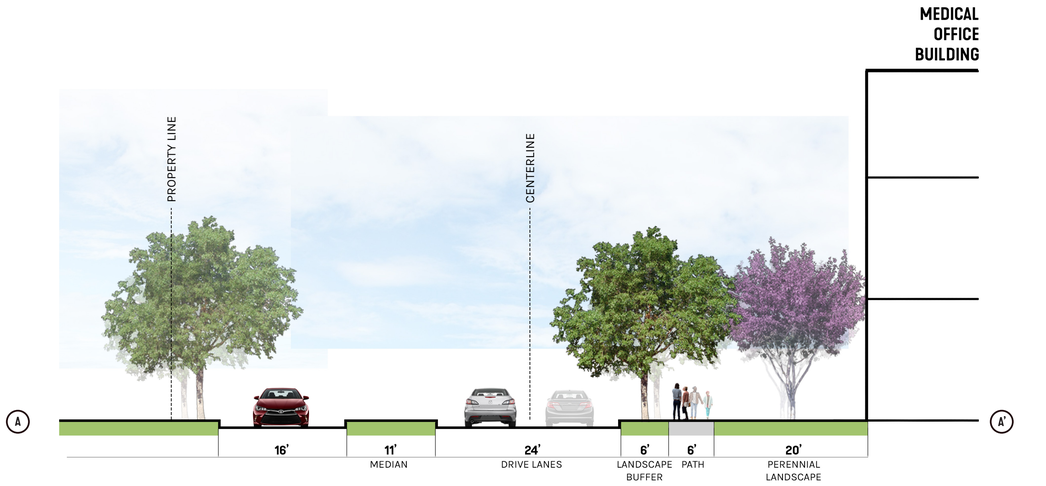
0' 15' 30' 60'

SCALE: 1" = 30'

PROJECT NUMBER 21739.000

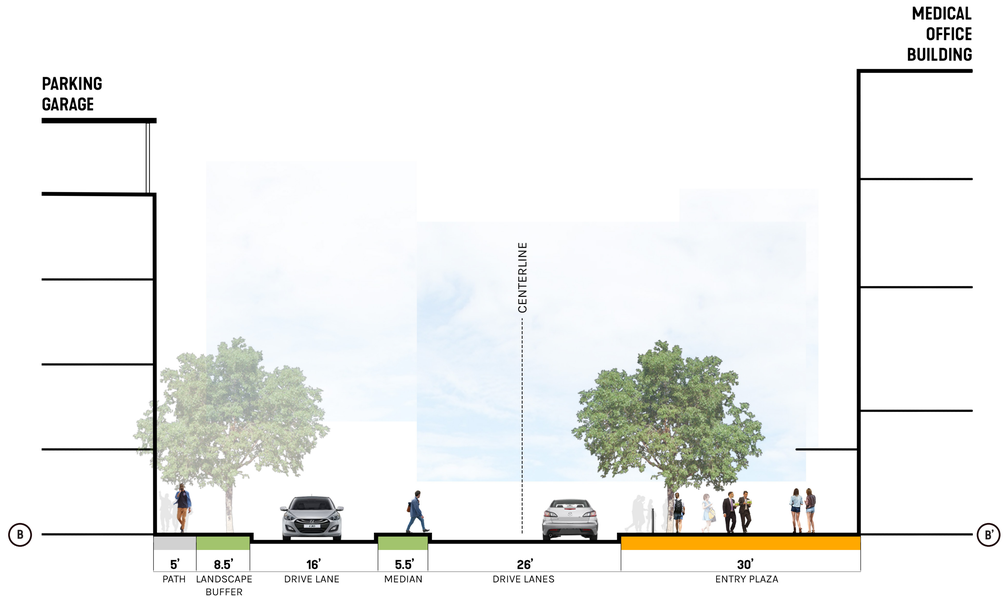
SHEET NUMBER **L1.0**

Plot Date: 10/19/2018 12:31:53 AM START Sheet



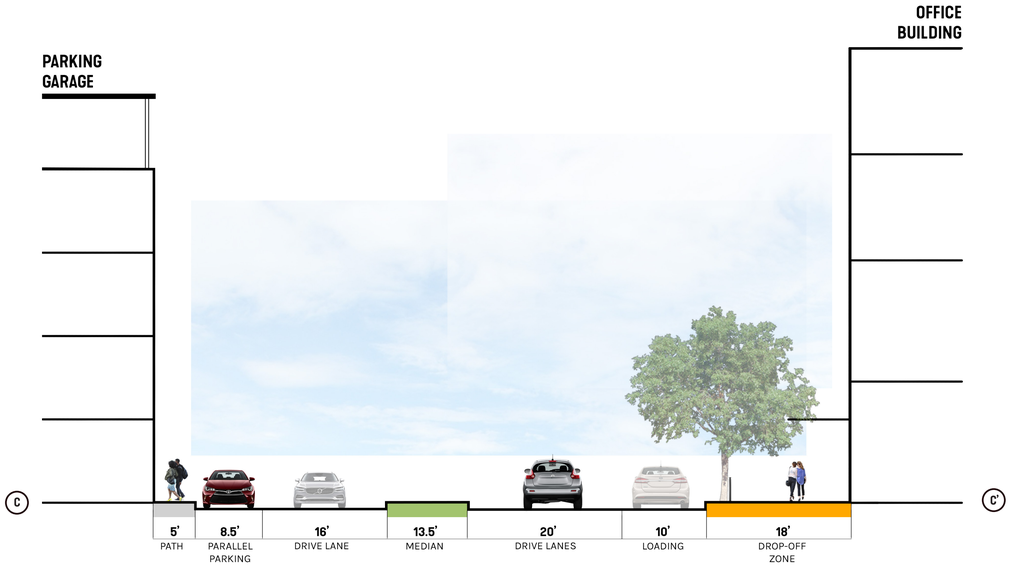

1 ENTRY DRIVE

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




2 ENTRY PLAZA

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




3 DROP-OFF

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

4 SOUTH PLAZA

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

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| PERMIT APPLICATION | | 03/27/2019 |
| PRE-APPLICATION SUBMITTAL | | 08/23/2018 |

SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEYPLAN

PROJECT NORTH

SHEET TITLE

SITE SECTIONS

PROJECT NUMBER

21739.000

SHEET NUMBER

**L2.0**

Plot Date: 10/19/2018 12:31:53 AM START Sheet

PRODUCT: SOLITUDE (W/ ARMRESTS)
MFG: STREETLIFE
COLOR: FSC HARDWOOD

1 BENCH

PRODUCT: BRANCH DINING TABLE
MFG: JANUS ET CIE
COLOR: WENGE

2 TABLE

PRODUCT: FOREST ARMCHAIR
MFG: JANUS ET CIE
COLOR: T.B.D.

3 CHAIR

PRODUCT: KOSMOS UMBRELLA
MFG: JANUS ET CIE
COLOR: WHITE

4 UMBRELLA

PRODUCT: APEX
MFG: FORMS + SURFACES
COLOR: T.B.D.

5 TRASH RECEPTACLE

PRODUCT: BOLA
MFG: LANDSCAPE FORMS
COLOR: STAINLESS STEEL

6 BIKE LOOP

PRODUCT: RINCON
MFG: FORMS + SURFACES
COLOR: T.B.D.

7 ENTRY BOLLARD

PRODUCT: FIXED BOLLARD
MFG: CALPIPE
COLOR: STAINLESS STEEL

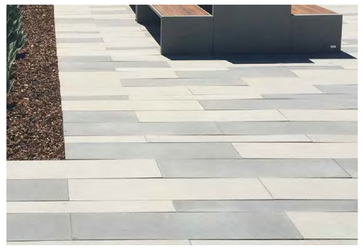
8 SERVICE AREA BOLLARD

PRODUCT: VARIATIONS
MFG: URBAN ACCESSORIES
COLOR: T.B.D.

9 TREE GRATE

PRODUCT: CONCRETE PAVEMENT
COLOR: STANDARD
FINISH: LIGHT SANDBLAST

10 CONCRETE PAVEMENT

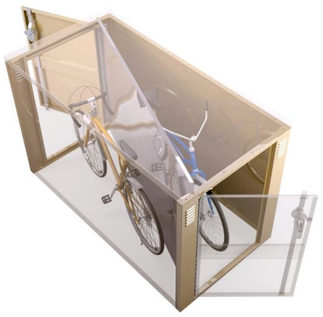


PRODUCT: NARROW CONCRETE PAVERS
MFG: STEPSTONE
COLOR: T.B.D.

11 SPECIALTY PAVEMENT

PRODUCT: DECOMPOSED GRANITE
MFG: T.B.D.
COLOR: T.B.D.

12 DECOMPOSED GRANITE



PRODUCT: DL2
MFG: DURA BIKE LOCKER
COLOR: GRAPHITE

13 BIKE LOCKERS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KEYPLAN

PROJECT NORTH

SHEET TITLE

MATERIALS AND FURNISHINGS

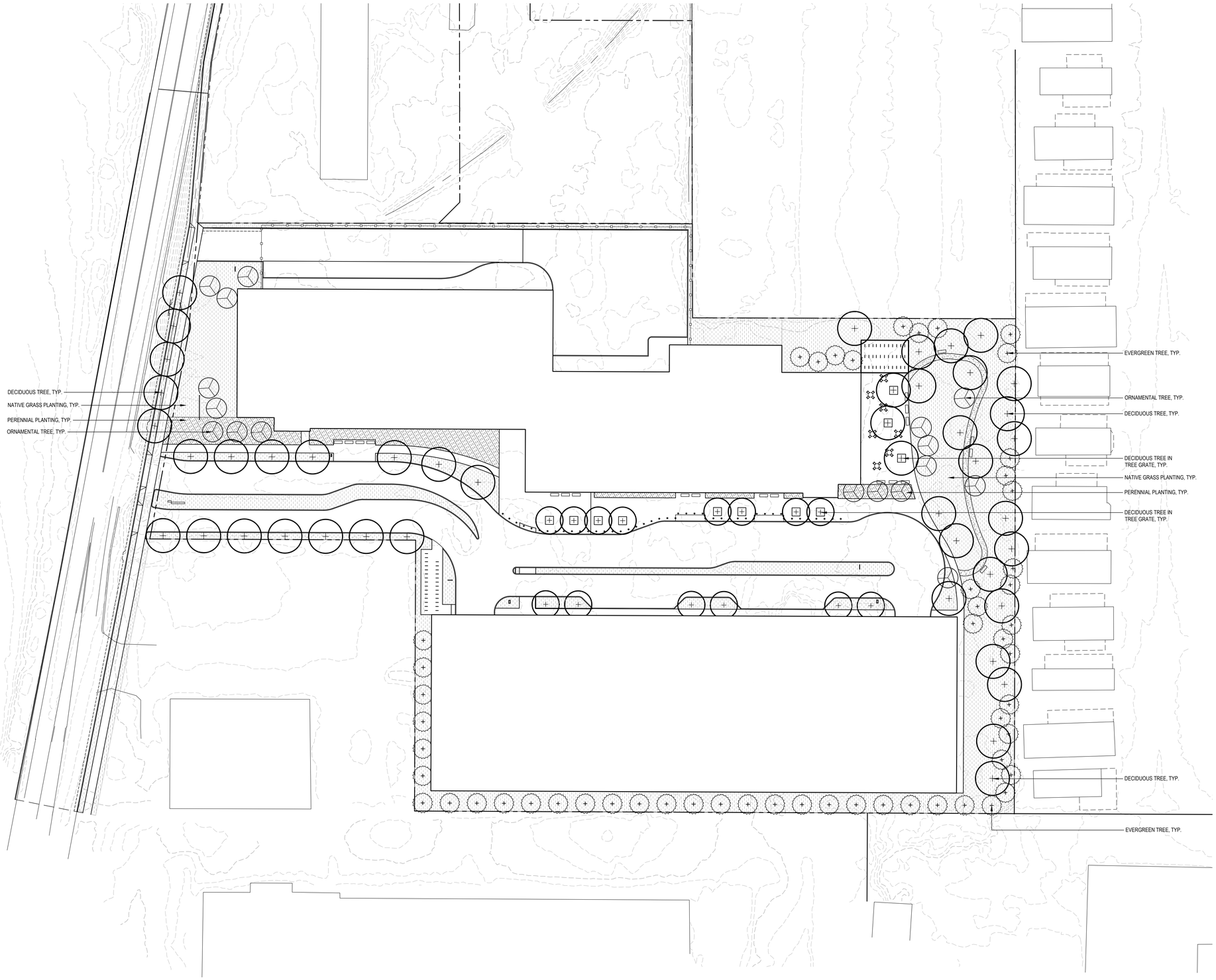
21739.000

PROJECT NUMBER

**L3.0**

SHEET NUMBER

Plot Date: 10/19/2018 12:31:53 AM START Sheet




## SHEET NOTES

1. ALL TREE SPECIES TO BE NATIVE TO CALIFORNIA AND PER THE CITY OF SANTA CRUZ LANDSCAPE GUIDELINES.
2. ALL GROUNDCOVER TO BE NATIVE TO CALIFORNIA, DROUGHT-TOLERANT, AND PER THE CITY OF SANTA CRUZ LANDSCAPE GUIDELINES.

## LEGEND

- DECIDUOUS TREE
- ORNAMENTAL TREE
- EVERGREEN TREE
- NATIVE GRASS PLANTING
- PERENNIAL PLANTING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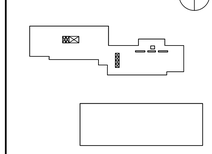


SHEET TITLE

# PLANTING PLAN

0' 15' 30' 60'
SCALE: 1" = 30'

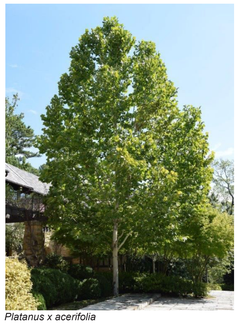
PROJECT NUMBER
21739.000

SHEET NUMBER
**L4.0**

Plot Date: 10/19/2018 12:31:53 AM START Sheet

*Nyssa sylvatica*

*Pistacia chinensis*


*Platanus x acerifolia*

DECIDUOUS TREE

*Cercis canadensis*

*Cornus florida*

ORNAMENTAL TREE

*Abies concolor*

*Pinus flexilis*

EVERGREEN TREE

*Bouteloua gracilis*

*Calamagrostis acutiflora 'Karl Foerster'*

*Carex globosa*

*Elymus californicus*

*Festuca rubra*

*Juncus patens*

*Melica californica*

*Muhlenbergia rigens*

*Pennisetum setaceum 'Rubrum'*

NATIVE GRASS PLANTING

*Achillea millefolium*

*Erigonum fasciculatum*

*Eschscholzia californica*

*Heuchera maxima*

*Iris douglasiana*

*Penstemon heterophyllus*

*Salvia mellifera*

PERENNIAL PLANTING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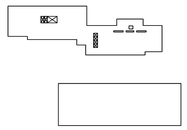
PROJECT NORTH



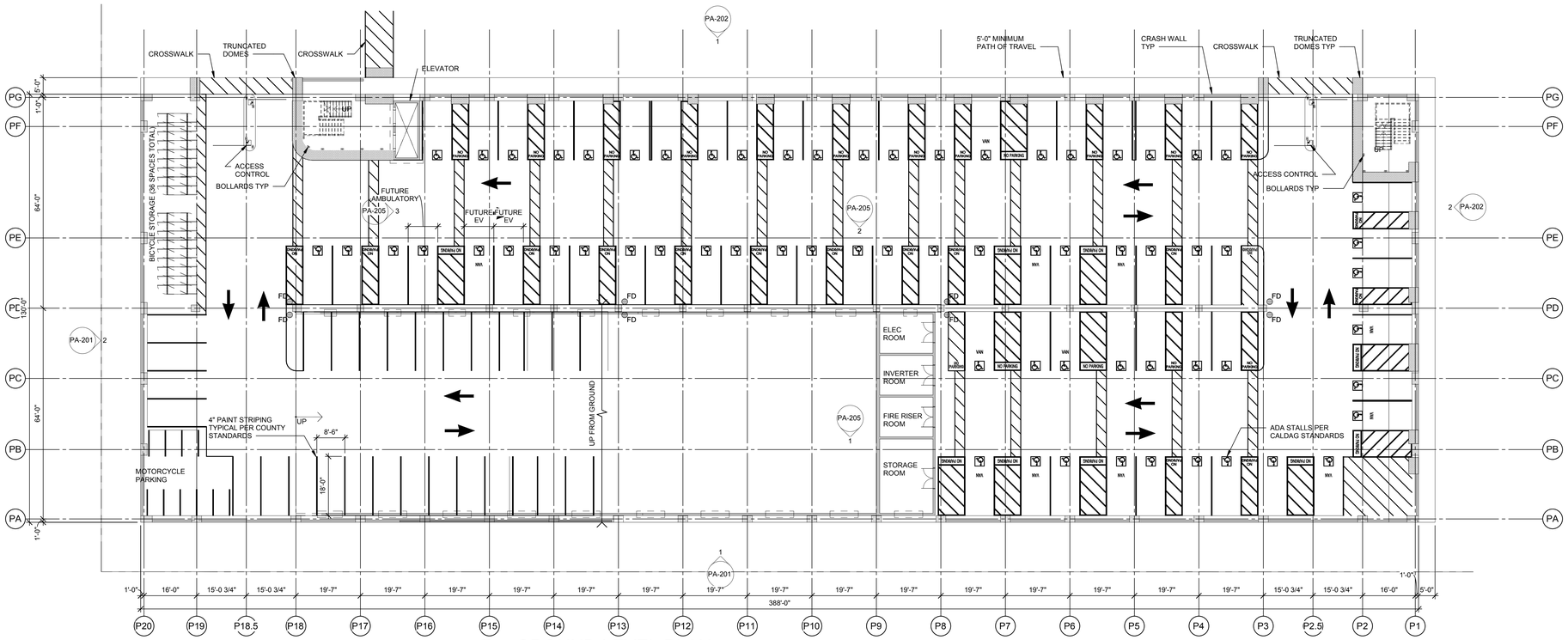
SHEET TITLE

PLANT PALETTE

PROJECT NUMBER 21739.000

SHEET NUMBER **L5.0**

Plot Date: 10/19/2018 12:31:53 AM START Sheet




1 GROUND LEVEL PLAN

1/16" = 1'-0"

| PARKING SCHEDULE BY LEVEL | | |
|---|---|---|
| LEVEL | STALL TYPE | COUNT |
| GROUND LEVEL | Standard Stall | 52 |
| GROUND LEVEL | Accessible | 53 |
| GROUND LEVEL | Van Accessible | 11 |
| GROUND LEVEL | Van Accessible EV | 1 |
| GROUND LEVEL | Accessible EV | 1 |
| GROUND LEVEL | Ambulatory EV | 1 |
| GROUND LEVEL: 119 | | |
| SECOND LEVEL | Standard Stall | 142 |
| SECOND LEVEL | Future EV | 22 |
| SECOND LEVEL: 164 | | |
| THIRD LEVEL | Standard Stall | 141 |
| THIRD LEVEL | Future EV | 22 |
| THIRD LEVEL: 163 | | |
| FOURTH LEVEL | Standard Stall | 164 |
| FOURTH LEVEL: 164 | | |
| FIFTH LEVEL | Standard Stall | 120 |
| FIFTH LEVEL: 120 | | |
| TOTAL PARKING: 730 | | |

| MOTORCYCLE PARKING | | |
|---|---|---|
| LEVEL | STALL TYPE | COUNT |
| GROUND LEVEL | Motorcycle | 8 |
| GROUND LEVEL: 8 | | |
| SECOND LEVEL | Motorcycle | 8 |
| SECOND LEVEL: 8 | | |
| THIRD LEVEL | Motorcycle | 8 |
| THIRD LEVEL: 8 | | |
| FOURTH LEVEL | Motorcycle | 8 |
| FOURTH LEVEL: 8 | | |
| FIFTH LEVEL | Motorcycle | 6 |
| FIFTH LEVEL: 6 | | |
| TOTAL PARKING: 38 | | |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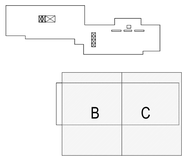



SHEET TITLE

GROUND LEVEL PLAN

PROJECT NUMBER

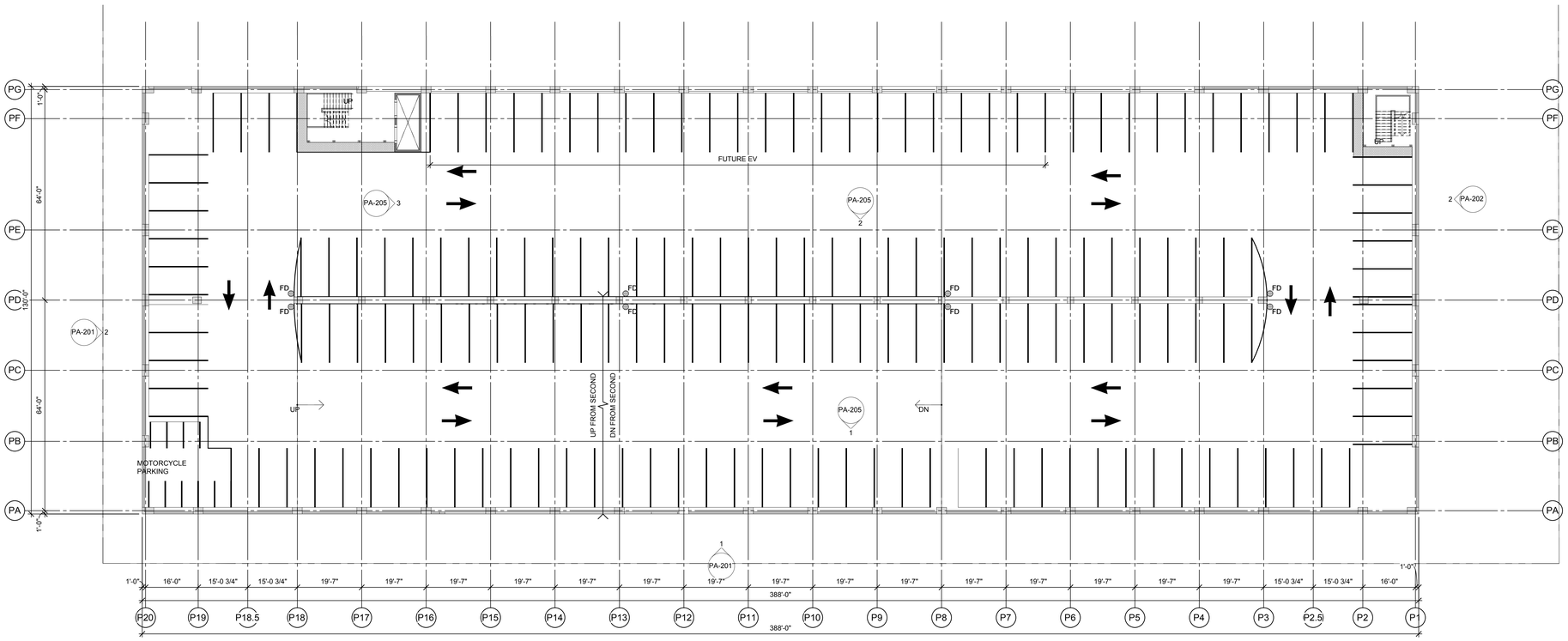
PROJECT NUMBER

**PA-101**

SHEET NUMBER

Author

Plot Date: 6/19/2019 8:59:01 AM




1 SECOND LEVEL PLAN
1/16" = 1'-0"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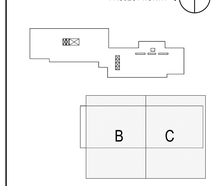
PROJECT NORTH




SHEET TITLE
SECOND LEVEL PLAN

PROJECT NUMBER

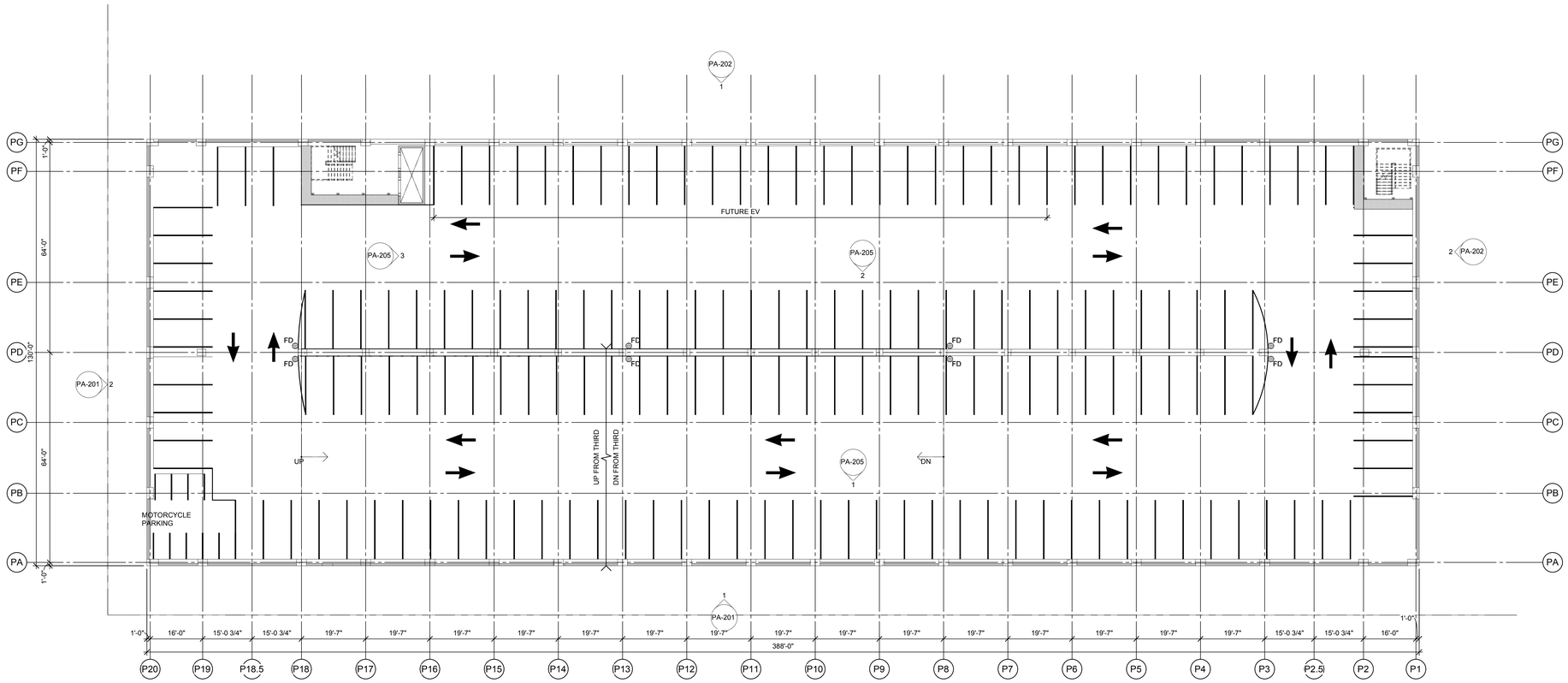
PROJECT NUMBER

**PA-102**

SHEET NUMBER

Author

Plot Date: 6/19/2019 8:59:02 AM




1 THIRD LEVEL PLAN

1/16" = 1'-0"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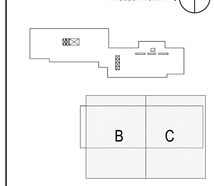



SHEET TITLE

THIRD LEVEL PLAN

PROJECT NUMBER

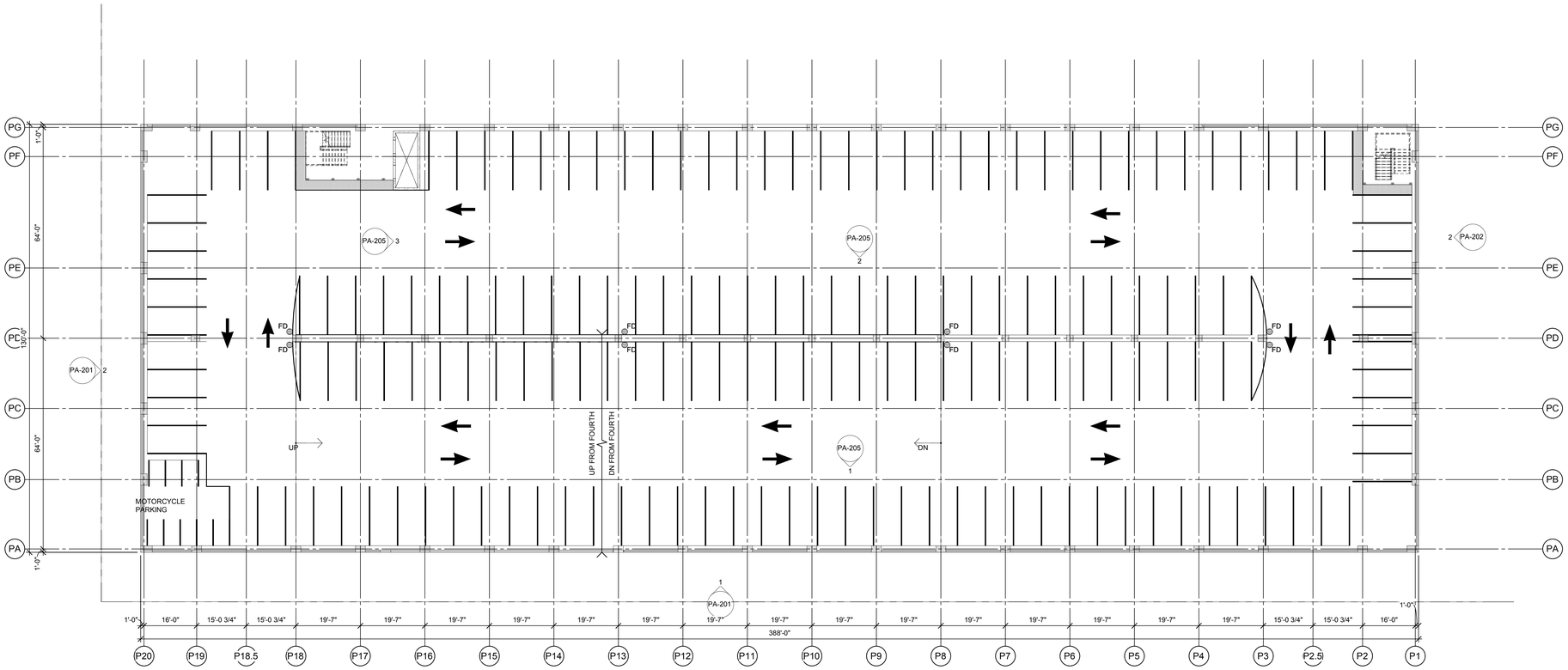
PROJECT NUMBER

**PA-103**

SHEET NUMBER

Author

Plot Date: 6/19/2019 8:59:03 AM




1 FOURTH LEVEL PLAN
1/16" = 1'-0"

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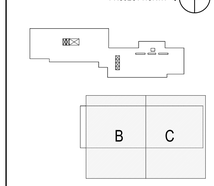



SHEET TITLE
FOURTH LEVEL PLAN

PROJECT NUMBER

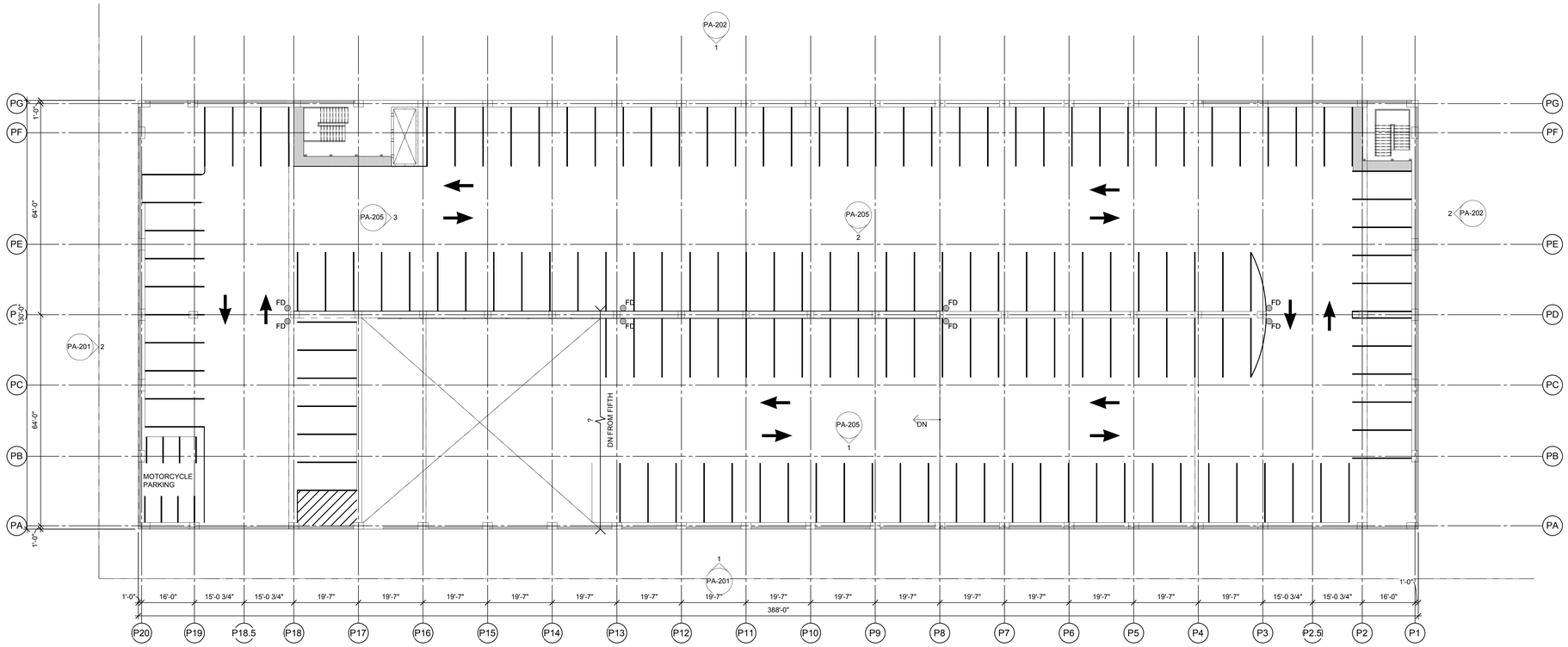
PROJECT NUMBER

**PA-104**

SHEET NUMBER

Author

Plot Date: 6/19/2019 8:59:05 AM




1 FIFTH LEVEL PLAN

1/16" = 1'-0"

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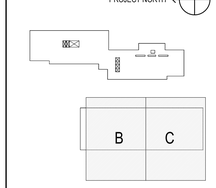


SHEET TITLE

FIFTH LEVEL PLAN

PROJECT NUMBER

PROJECT NUMBER

**PA-105**

SHEET NUMBER

Author

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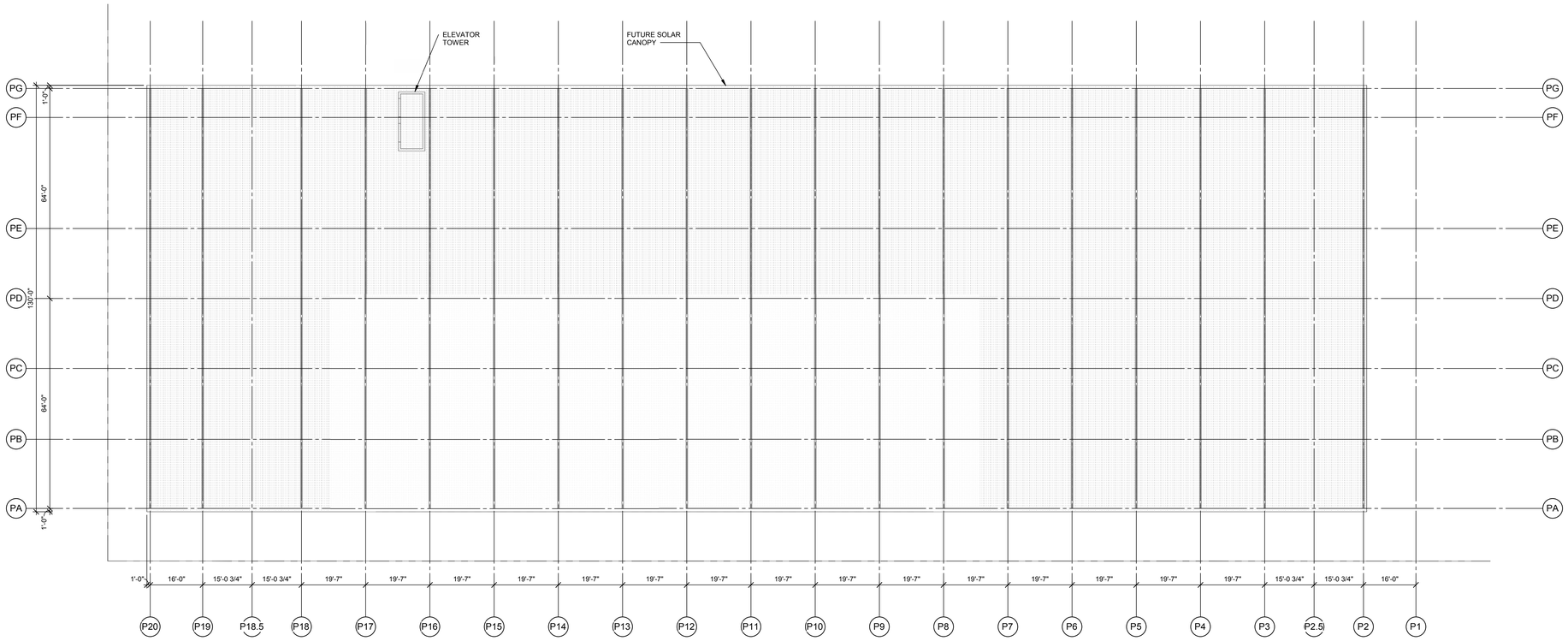


1 ROOF LEVEL (TOP OF SOLAR CANOPY)
1/16" = 1'-0"


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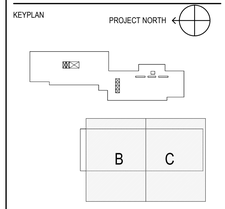


SHEET TITLE

ROOF LEVEL
(TOP OF SOLAR CANOPY)

PROJECT NUMBER

PROJECT NUMBER

**PA-106**

SHEET NUMBER

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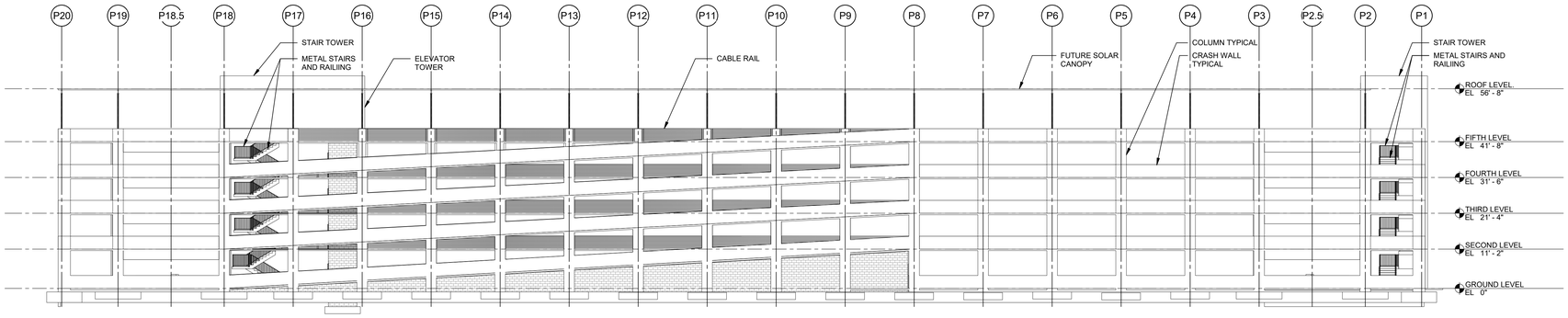
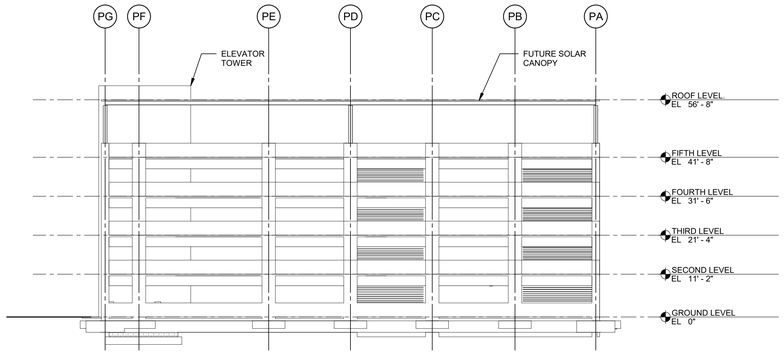
Plot Date: 6/19/2019 8:59:06 AM




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




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

NOTE: PARKING GARAGE EXTERIOR CLADDING SHOWN ON A-SERIES ARCHITECTURAL SHEETS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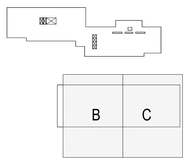
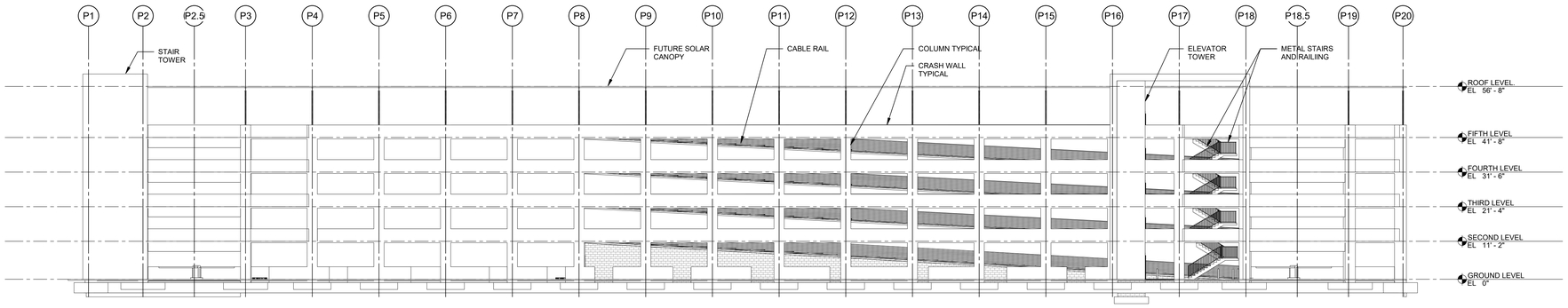



SHEET TITLE
BUILDING ELEVATIONS

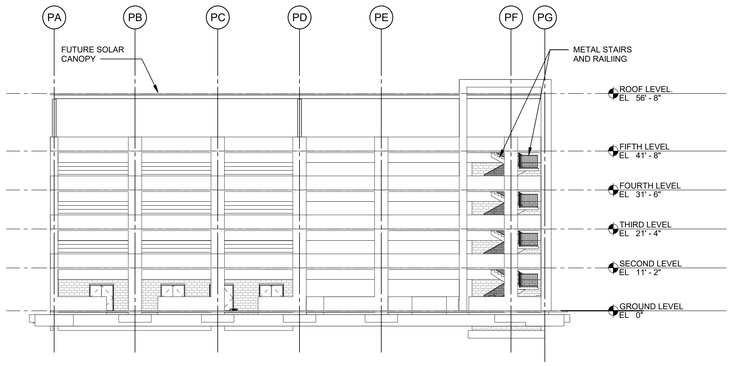
PROJECT NUMBER
PROJECT NUMBER

**PA-201**
SHEET NUMBER

Plot Date: 3/30/2020 4:18:43 PM Author




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




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

NOTE: PARKING GARAGE EXTERIOR CLADDING SHOWN ON A-SERIES ARCHITECTURAL SHEETS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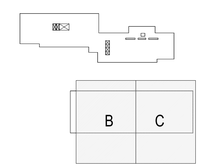
SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

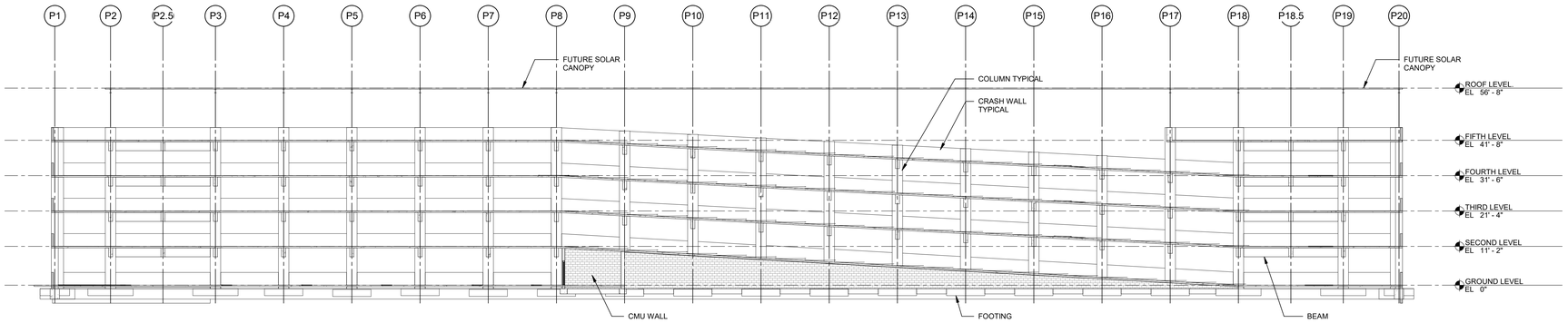
KEYPLAN



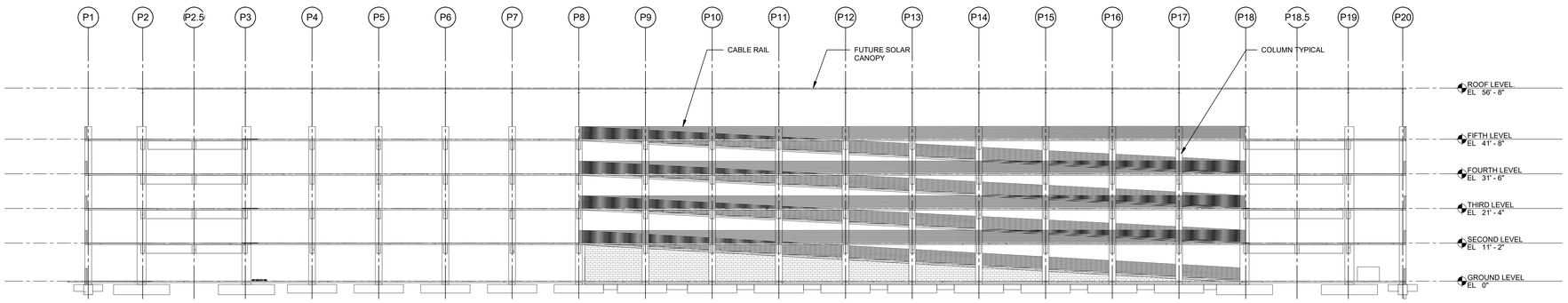

SHEET TITLE
BUILDING ELEVATIONS

PROJECT NUMBER
PROJECT NUMBER
**PA-202**
SHEET NUMBER

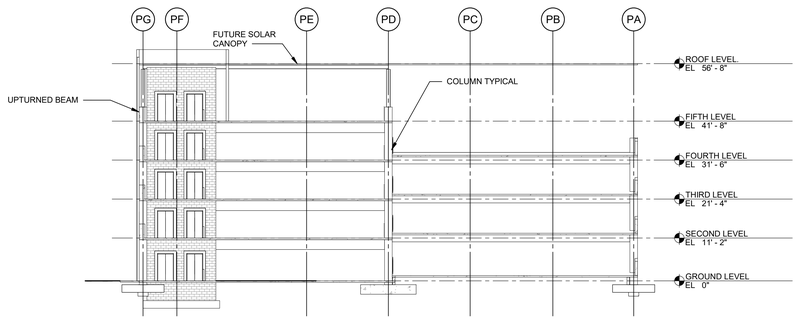
Plot Date: 3/30/2020 3:41:14 PM Author




1 LONGITUDINAL SECTION
1/16" = 1'-0"




2 LONGITUDINAL SECTION
1/16" = 1'-0"




3 TRANSVERSE SECTION
1/16" = 1'-0"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SEALS AND SIGNATURES

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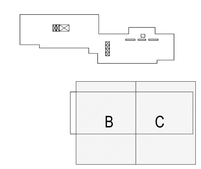
KEYPLAN




SHEET TITLE
BUILDING SECTIONS

PROJECT NUMBER
PROJECT NUMBER

**PA-205**
SHEET NUMBER

Author

Plot Date: 3/25/2020 10:41:51 PM

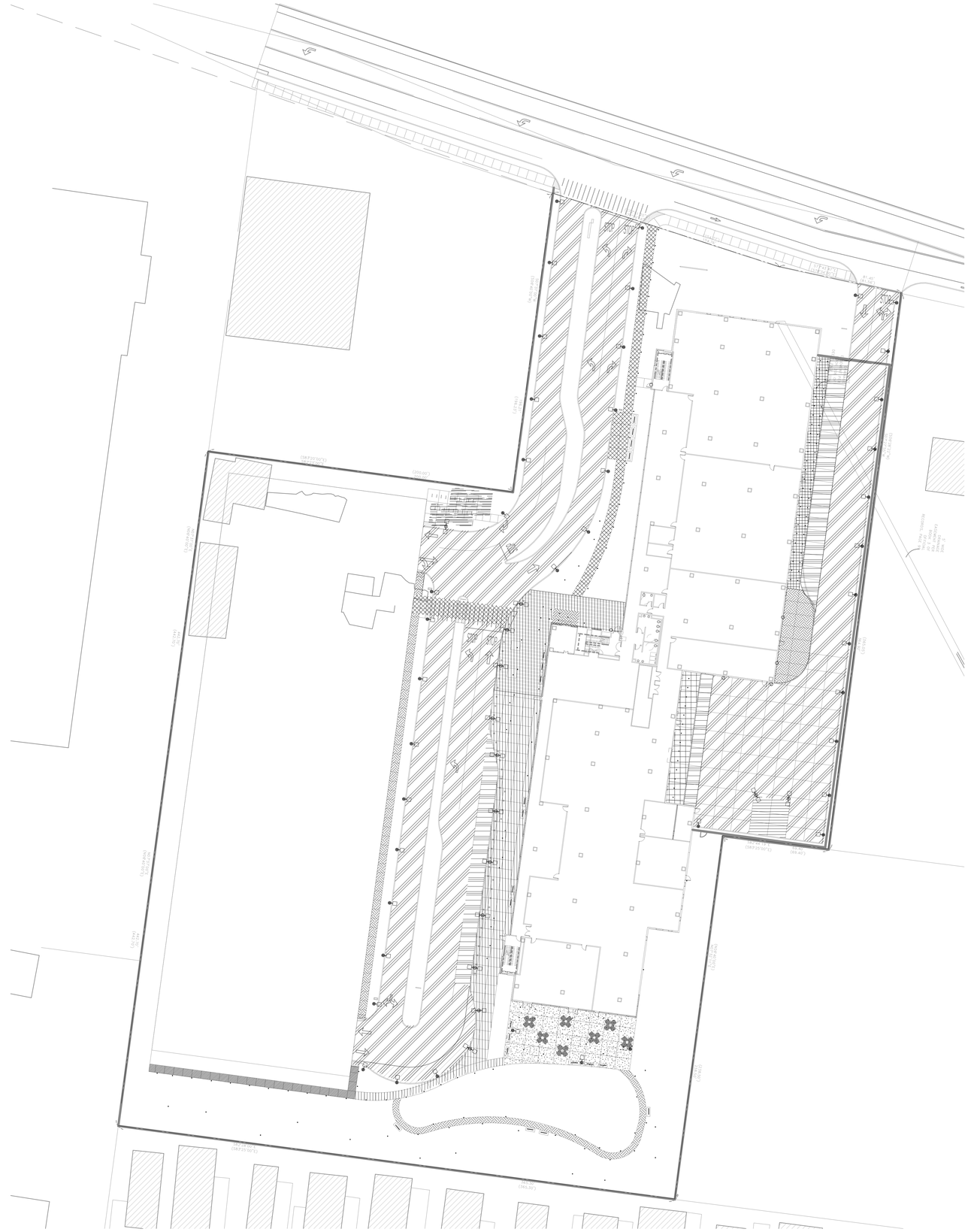
| HATCH | AREA | FC* | AV/MIN RATIO | MAX/MIN RATIO | SOURCE |
|---|---|---|---|---|---|
| | MAIN ENTRY | 5 | 2:1 | NO REQUIREMENT | OWNER |
| | EMERGENCY/ AMBULANCE ENTRY | 50 | 10:1 | NO REQUIREMENT | OWNER |
| | LOADING DOCK | 10 | 10:1 | NO REQUIREMENT | OWNER |
| | ROADWAYS** | 0.8 | 4:1 | 10:1 | IES RP-8-14 |
| | CROSSWALK *** | 0.8 | 4:1 | NO REQUIREMENT | IES RP-8-14 |
| | DROP OFF AREA | 2 | 2:1 | NO REQUIREMENT | IES |
| | EGRESS PATH | 1 (MIN) | 3:1 | NO REQUIREMENT | IES |
| | PRIMARY PATH (NON-EGRESS) | 3 | 4:1 | NO REQUIREMENT | IES G-1-1-16 |
| | SECONDARY PATH (NON-EGRESS) | 0.5 | 3:1 | NO REQUIREMENT | RP-33-99 |
| | ADA PATH | 3 | 4:1 | NO REQUIREMENT | IES G-1-1-16 |
| | PLAZA | 1.2 | 5:1 | NO REQUIREMENT | IES |
| | BIKING PARKING | 1 | NO REQUIREMENT | NO REQUIREMENT | IES |
| | OXYGEN STORAGE TANK**** | 20 | NO REQUIREMENT | NO REQUIREMENT | OWNER |
| | | | | | |
| | | | | | |
| | | | | | |

* AVERAGE FC REQUIRMENTS, UNLESS NOTED OTHERWISE

** LOCAL MEDIUM PEDESTRIAN AREA CLASSIFICATION

*** MEDIUM PEDESTRIAN CONFLICT AREAS

**** AT VALVES



1 SITE LIGHTING CRITERIA ZONES
1" = 30'-0"

| LIGHTING SHEET LIST | |
|---|---|
| Sheet Number | Sheet Name |
| LT0.0.1 | LIGHTING DESIGN CRITERIA |
| LT1.0.1 | SITE LIGHTING PLAN |
| LT1.0.2 | SITE LIGHTING CALCULATION PLAN |
| LT2.0.1 | SITE LIGHTING SIGHT LINES STUDY |
| LT3.0.1 | SITE LIGHTING FIXTURE CUTSHEETS |

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Plot Date: 11/8/2018 3:01:39 PM


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SEALS AND SIGNATURES

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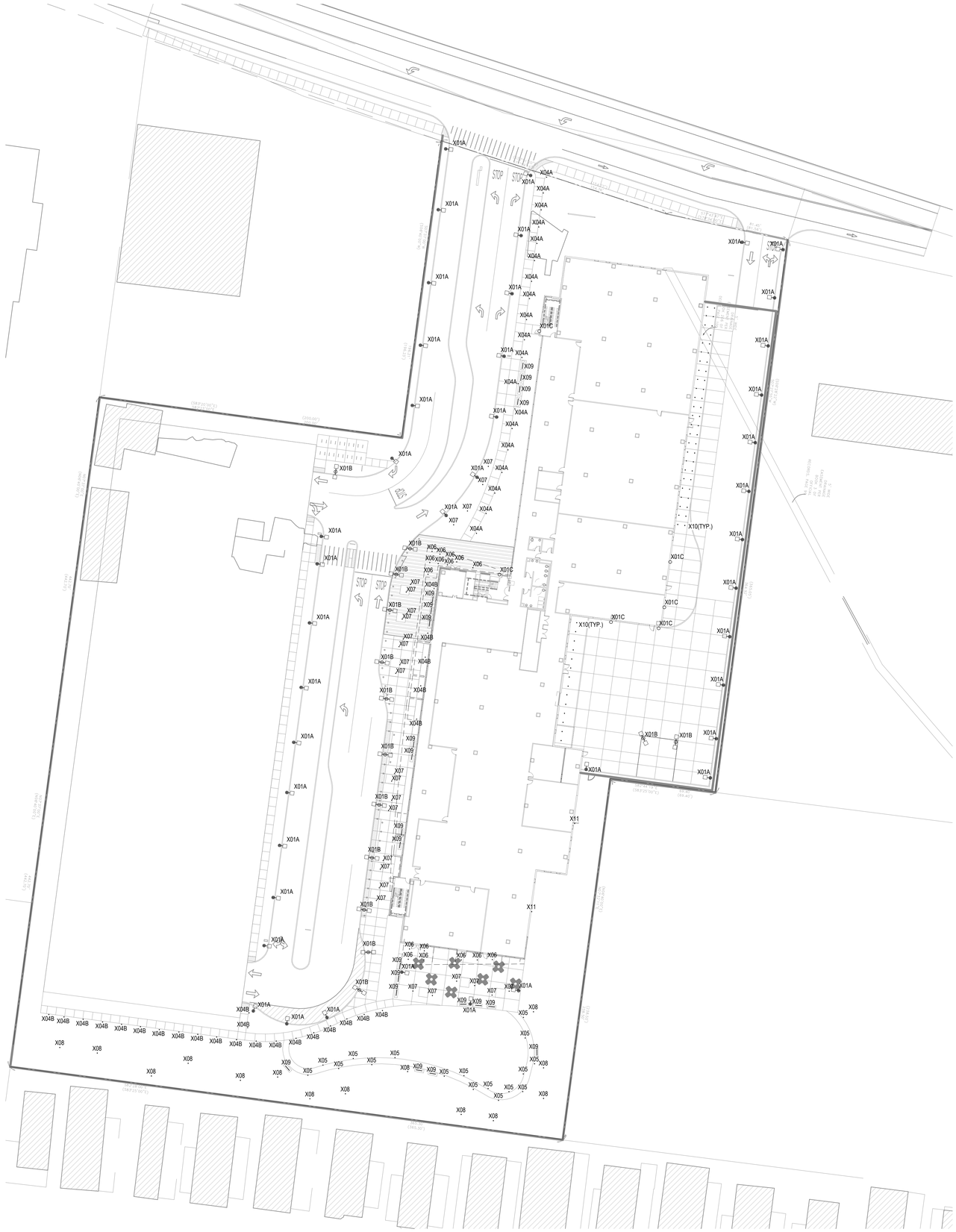
SHEET TITLE
LIGHTING DESIGN CRITERIA

PROJECT NUMBER 21739.000

SD

SHEET NUMBER LT0.0.1

| Lighting Fixture Schedule Overview | |
|---|---|
| Type Mark | Description |
| X01A | SINGLE-HEAD 12' POLE LIGHT |
| X01B | DOUBLE-HEAD 12' POLE LIGHT |
| X01C | SURFACE MOUNTED |
| X03 | SHORT BOLLARD |
| X04A | BOLLARD |
| X04B | BOLLARD |
| X05 | MINI BOLLARD |
| X06 | EXTERIOR DOWNLIGHT |
| X07 | TREE-MOUNTED DOWNLIGHT |
| X08 | TREE UPLIGHT |
| X09 | UNDERBENCH LINEAR LED STRIP |
| X10 | EXTERIOR DOWNLIGHT |
| X11 | WALL-MOUNTED DOWNLIGHT |




1 SITE LIGHTING PLAN
1" = 30'-0"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SHEET TITLE
SITE LIGHTING PLAN

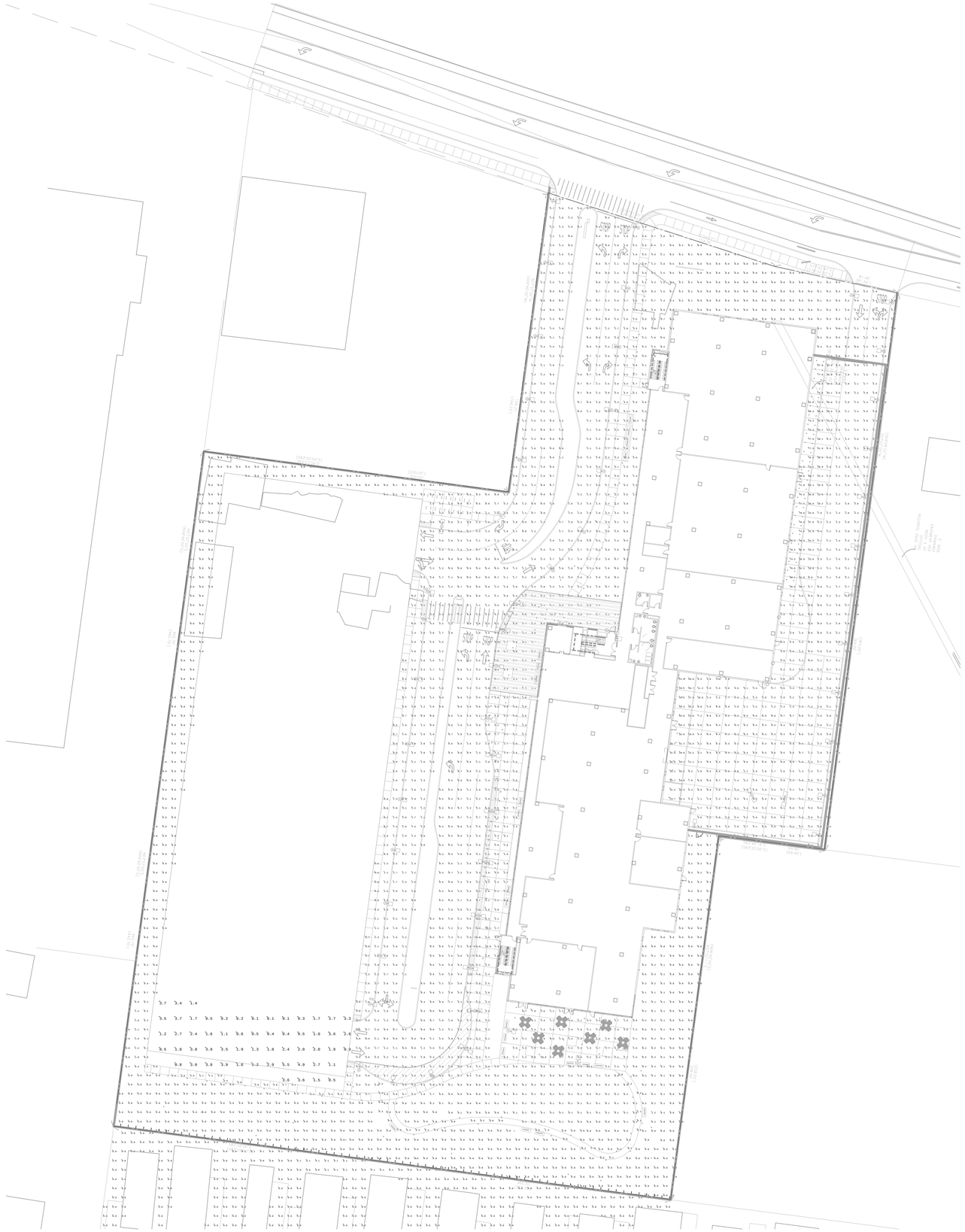
21739.000
PROJECT NUMBER

SD LT1.0.1
SHEET NUMBER

Author

Plot Date: 11/8/2018 3:01:43 PM

| AREA | AVERAGE | MIN | AV/MIN RATIO | MAX/MIN RATIO |
|---|---|---|---|---|
| MAIN ENTRY | 5.5 | NO REQUIREMENT | 1:2 | NO REQUIREMENT |
| EMERGENCY/ AMBULANCE ENTRY | 50 | NO REQUIREMENT | 1:7 | NO REQUIREMENT |
| LOADING DOCK | 21 | NO REQUIREMENT | 1:4 | NO REQUIREMENT |
| ROADWAY MAIN | 1.3 | NO REQUIREMENT | 1:4 | 1:16 |
| ROADWAY BOH | 1.3 | NO REQUIREMENT | 1:4 | 1:25 |
| CROSSWALK | 1.7 | NO REQUIREMENT | 1:4 | NO REQUIREMENT |
| DROP OFF AREA (MAIN ENTRY) | 2.2 | NO REQUIREMENT | 1:3 | NO REQUIREMENT |
| DROP OFF AREA (EMERGENCY ENTRY) | 14 | NO REQUIREMENT | 1:20 | NO REQUIREMENT |
| DROP OFF AREA (LOADING DOCK ENTRY) | 8 | NO REQUIREMENT | 1:6 | NO REQUIREMENT |
| EGRESS PATH | 2.7 | 1.3 | 1:2 | NO REQUIREMENT |
| PRIMARY PATH (NON-EGRESS) | 3 | NO REQUIREMENT | 1:4 | NO REQUIREMENT |
| SECONDARY PATH PARKING (NON-EGRESS) | 0.6 | NO REQUIREMENT | 1:02 | NO REQUIREMENT |
| SECONDARY PATH LANDSCAPE (NON-EGRESS) | 0.5 | NO REQUIREMENT | 1:5 | NO REQUIREMENT |
| ADA PATH | 3 | NO REQUIREMENT | 1:1 | NO REQUIREMENT |
| PLAZA | 3 | NO REQUIREMENT | 1:5 | NO REQUIREMENT |



1 SITE LIGHTING CALCULATIONS PLAN
1" = 30'-0"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SEALS AND SIGNATURES

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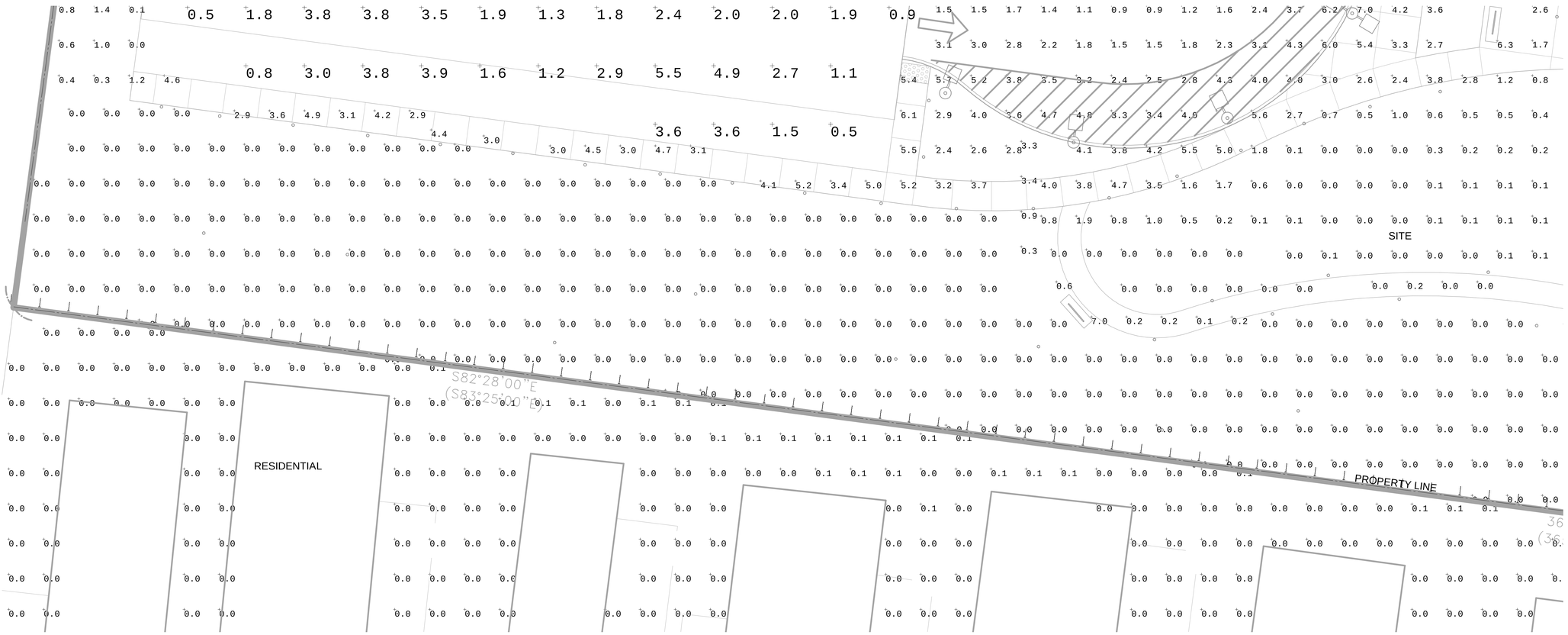
SHEET TITLE
SITE LIGHTING CALCULATION PLAN

21739.000
PROJECT NUMBER

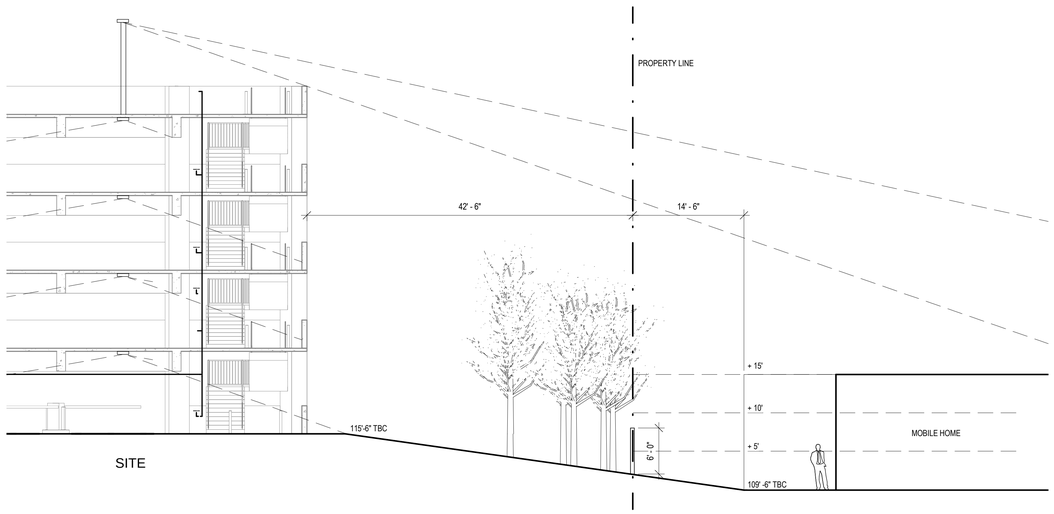
SD **LT1.0.2**
SHEET NUMBER

Author

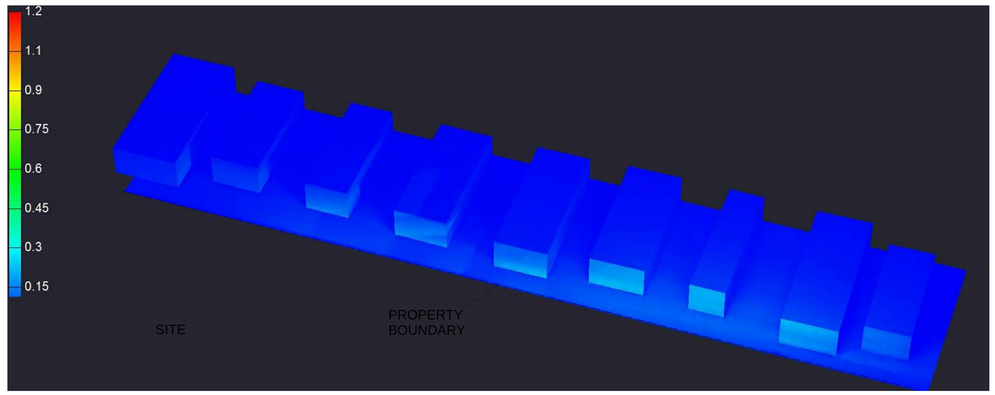
Plot Date: 11/8/2018 3:01:46 PM




1 SITE LIGHTING PLAN CALC ZOOM
1/8" = 1'-0"




2 SIGHT LINE STUDY SECTION
1/8" = 1'-0"




*MAX. CALCULATED ILLUMINANCE LEVEL AT SITE BOUNDARY IS 0.6 FC. CALCULATION WAS PERFORMED WITHOUT THE INCLUSION OF TREES THAT WOULD MITIGATE THE IMPACT OF SPILL LIGHT FROM THE DEVELOPMENT. THE LANDSCAPE DESIGN AND ARHITECTURAL DESIGN DETAILS WILL BE COORDINATED TO LIMIT THE AMOUNT OF LIGHT FALLING BEYOND THE SITE BOUNDARY.*

3 ILLUMINANCE LEVELS BEYOND SIDE BOUNDARY LINE ON SOUTH SIDE - PSEUDO COLOR RENDERING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SEALS AND SIGNATURES

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SHEET TITLE
SITE LIGHTING SIGHT LINES STUDY

21739.000
PROJECT NUMBER

SD **LT2.0.1**
SHEET NUMBER

Author
Plot Date: 11/8/2018 3:01:49 PM

**X01A** **Single-head 12' Pole Light**

12' Pole Light for Roadway
- Finish: Per Architect
- Optics: Asymmetrical
- Rating: UL Wet

**Basis of Design:** Bega: 99 462
Product code: 0

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 1855lm
Source: Static White

**Mounting:** Pole
**Accessories:** N/A
**Notes:** N/A

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 16W

**X01B** **Double-head 12' Pole Light**

12' Pole Light for Roadway
- Finish: Per Architect
- Optics: Symmetrical
- Rating: UL Wet

**Basis of Design:** Bega: 99 462
Product code: 0

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 3710lm
Source: Static White

**Mounting:** Pole
**Accessories:** N/A
**Notes:** N/A

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** (2) x 16W

**X01C** **Single-head Wall Mount Light**



Wall Mount at 10' above ground
- Finish: Per Architect
- Optics: Asymmetrical
- Rating: UL Wet

**Basis of Design:** Bega: 99 402
Product code: 0

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 1855lm
Source: Static White

**Mounting:** Wall, Surface
**Accessories:** N/A
**Notes:** Manufacturer to provide parts and accessories for mounting fixture to wall.

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 16W

**X02A** **Single-head 12' Pole Light**

12' Pole Light for Roadway
- Finish: Per Architect
- Optics: Asymmetrical
- Rating: UL Wet

**Basis of Design:** Bega: 99 407
Product code: 0

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 3117lm
Source: Static White

**Mounting:** Pole
**Accessories:** N/A
**Notes:** N/A

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 23.6W

**X02B** **Double-head 12' Pole Light**

Double-head 12' Pole Light for Roadway
- Finish: Per Architect
- Optics: Symmetrical
- Rating: UL Wet

**Basis of Design:** Bega: 99 408
Product code: 0

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 5814lm
Source: Static White

**Mounting:** Pole
**Accessories:** N/A
**Notes:** N/A

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** (2) x 32W

**X02C** **Single-head Wall Mount Light**



Wall Mount at 10' above ground
- Finish: Per Architect
- Optics: Asymmetrical
- Rating: UL Wet

**Basis of Design:** Bega: 99 407
Product code: 0

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 3117lm
Source: Static White

**Mounting:** Wall, Surface
**Accessories:** N/A
**Notes:** Manufacturer to provide parts and accessories for mounting fixture to wall.

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 23.6W

**X03** **Short Bollards**

19 3/4" bollard with 360 distribution for wayfinding
- Finish: Per Architect
- Optics: Symmetric
- Rating: UL Wet

**Basis of Design:** Bega: 99 578
Product code: 99 578 K27

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 2700K CRI: 80+
Lumen output: 451lm
Source: Static White

**Mounting:** Bollard
**Accessories:** Anchorage mounting kit
**Notes:** N/A

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 12.4W

**X04A** **Bollards**

39 3/8" height LED bollards with 360° light distribution
- Finish: Per Architect
- Optics: Symmetric
- Rating: UL Wet

**Basis of Design:** Bega: 99 570
Product code: 99 570 +K3

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 746lm
Source: Static White

**Mounting:** Bollard
**Accessories:** Anchorage mounting kit
**Notes:** N/A

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 14.4W

**X04B** **Bollards**

39 3/8" height LED bollards with 180° light distribution
- Finish: Per Architect
- Optics: asymmetrical
- Rating: UL Wet

**Basis of Design:** Bega: 77 753
Product code: 77 753 K3

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 411lm
Source: Static White

**Mounting:** Bollard
**Accessories:** Anchorage mounting kit
**Notes:** N/A

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 7.2W

**X05** **Mini Bollards**

18in bollards with forward throw for secondary pathways
- Finish: Per Architect
- Optics: Symmetrical
- Rating: UL Wet

**Basis of Design:** BK: Litestick
Product code: LT-XX-LED-e71-XXX-XXX-GS

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 2700K CRI: 80+
Lumen output: 15.1 lm
Source: Static White

**Mounting:** Bollard
**Accessories:** Glare shield
**Notes:** Transformer locations to be coordinated with landscape architect.

**Driver:** Remote
0-10v Dimming
**Volts:** 277V
**Watts:** 3W

**X06** **Exterior Downlight**

4" Wet Downlight at main entry
- Finish: Per Architect
- Optics: Symmetrical
- Rating: UL Wet

**Basis of Design:** Bega: 55 942
Product code: 55 942 K3

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 744lm
Source: Static White

**Mounting:** Ceiling, Recessed
**Accessories:** N/A
**Notes:** N/A

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 8.7W

**X07** **Tree-mounted downlight**



Downlight suspended from trees
- Finish: Per Architect
- Optics: Medium Flood 27deg
- Rating: UL Wet

**Basis of Design:** BK: Mini-micro ring mount
Product code: RM-25-MM-LED-e71-MFL-XX-12-11-E

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 2700K CRI: 80+
Lumen output: 175 lm delivered
Source: Static White

**Mounting:** Suspended
**Accessories:** 12V BKSLL Powe Pipe Transformer, Ring-mount canopy
**Notes:** Mounting and transformer locations to be coordinated with landscape architect.

**Driver:** Remote
0-10v Dimming
**Volts:** 277V
**Watts:** 3W

**X08** **Tree Uplight**

Tree Uplight
- Finish: Per Architect
- Optics: Medium Flood 23deg
- Rating: UL Wet

**Basis of Design:** BK: Delta Star
Product code: XX-DS-LED-e64-MFL-A9

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 2700K CRI: 80+
Lumen output: 456 lm
Source: Static White

**Mounting:** Tree-strapped
**Accessories:** Low voltage tree strap TS-TMC
**Notes:** N/A

**Driver:** Remote
0-10v Dimming
**Volts:** 277V
**Watts:** 7W

**X09** **Linear LED Strip**

Linear LED Strip in Aluminum profile
- Finish: Per Architect
- Optics: Diffuse lens
- Rating: Remote

**Basis of Design:** Q-Tran: SW24/5.0
Product code: SW24/5.0-WET-27-TBC

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 2700K CRI: 80+
Lumen output: 346lm/ft
Source: Static White

**Mounting:** Surface, Concealed
**Accessories:** All mounting and connecting accessories
**Notes:** Remote driver locations to be coordinated with landscape architect.

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 5W/ft

**X10** **Exterior Downlight**

8" Wet Downlight at emergency entry and loading docks
- Finish: Per Architect
- Optics: Wide Beam
- Rating: UL Wet

**Basis of Design:** Bega: 55 830
Product code: 55 830 K3

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 298 lm
Source: Static White

**Mounting:** Ceiling, Recessed
**Accessories:** N/A
**Notes:** N/A

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 36.8W

**X11** **Wall-mounted Downlight**

Wall-mounted downlight mounted at 10' above finished floor level
- Finish: Per Architect
- Optics: Symmetrical
- Rating: UL Wet

**Basis of Design:** Bega: 33 325
Product code: 33 325 K3

**Lamp:** LED Lamp Life: 50,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 306lm
Source: Static White

**Mounting:** Wall, Surface
**Accessories:** N/A
**Notes:** N/A

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 3.9W

**X12** **Garage Downlight**

Pendant-mount, low-profile downlight with up/down light distribution
- Finish: Per Architect
- Optics: Type V Symmetrical down, diffused uplight (4%)
- Rating: UL Wet

**Basis of Design:** Philips: Softview
Product code: SVPG-140L-1675-WW-G2-T-5

**Lamp:** LED Lamp Life: 100,000hr L70
CCT: 3000K CRI: 70+
Lumen output: 7788lm
Source: Static White

**Mounting:** Ceiling, Suspended
**Accessories:** Trunnion-mount accessories
**Notes:** IK10 high impact resistance rating for both upper lens and lower lens,

Not shown on drawings. Fixture is used for sightline study.

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 76W

**X13** **12' Pole Light at Garage**

Pole light with asymmetric optics for open parking at top of garage
- Finish: Per Architect
- Optics: Type III asymmetric, forward throw
- Rating: UL Wet

**Basis of Design:** Selux: Discrera
Product code: DSC4L-R3-XX-LG4500-30-277-DM-M5

**Lamp:** LED Lamp Life: 100,000hr L70
CCT: 3000K CRI: 70+
Lumen output: 4013lm
Source: Static White

**Mounting:** Pole
**Accessories:** Round Stepped Steel Pole S635, Base Cover, Photocell, Mounting Arms
**Notes:** BUG Rating B1-U0-G1,

Not shown on drawings. Fixture is used for sightline study.

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 50W

**X14** **Garage Stairs Light**

Surface-mounted linear downlight
- Finish: Per Architect
- Optics: Wide, diffused
- Rating: UL Damp

**Basis of Design:** Eaton Neoray; Define 4
Product code: S124-DS-1-30-XX-XX-X-D-2-DD-1-X-S/PD1

**Lamp:** LED Lamp Life: 100,000hr L70
CCT: 3000K CRI: 80+
Lumen output: 2422lm
Source: Static White

**Mounting:** Ceiling, Surface
**Accessories:** Sensor
**Notes:** N/A

Not shown on drawings. Fixture is used for sight line study.

**Driver:** Integral
0-10v Dimming
**Volts:** 277V
**Watts:** 28W


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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

SHEET TITLE
SITE LIGHTING FIXTURE CUTSHEETS

PROJECT NUMBER
21739.000

SD

SHEET NUMBER
**LT3.0.1**

Author

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# ARCHITECTURAL ABBREVIATIONS

## A

| | |
|---|---|
| AB | ANCHOR BOLT |
| ACT | ACOUSTICAL CEILING TILE |
| ACP | ACOUSTICAL CEILING PANEL |
| ACS PNL | ACCESS PANEL |
| AD | AREA DRAIN |
| ADDL | ADDITIONAL |
| ADH | ADHESIVE |
| ADJ | ADJUSTABLE |
| ADJ | ADJACENT |
| AFF | ABOVE FINISH FLOOR |
| AFG | ABOVE FINISH GRADE |
| AFS | ABOVE FINISH SLAB |
| AGGR | AGGREGATE |
| ALUM | ALUMINUM |
| ALT | ALTERNATE |
| ANOD | ANODIZED |
| APPROX | APPROXIMATE(LY) |
| ARCH | ARCHITECT(URAL) |
| ASPH | ASPHALT |
| AVG | AVERAGE |

## B

| | |
|---|---|
| BB | BULLETIN BOARD |
| BD | BOARD |
| BTWN | BETWEEN |
| BITUM | BITUMINOUS |
| BLDG | BUILDING |
| BM | BENCHMARK |
| BOT | BOTTOM |
| BOS | BOTTOM OF STEEL |
| BRG | BEARING |
| BSMT | BASEMENT |
| BUR | BUILT UP ROOFING SYSTEM |

## C

| | |
|---|---|
| CAB | CABINET |
| CB | CATCH BASIN |
| CCR | CARD CONTROL READER |
| CCT | CUBICLE CURTAIN TRACK |
| CCTV | CLOSED CIRCUIT TELEVISION |
| CG | CORNER GUARD |
| CEM | CEMENT, CEMENTITIOUS |
| CER | CERAMIC |
| CH BD | CHALKBOARD |
| CI | CAST IRON |
| CJ | CONTROL JOINT |
| CL | CENTER LINE |
| CLG | CEILING |
| CLR | CLEAR |
| CMU | CONCRETE MASONRY UNIT |
| CNTR | COUNTER |
| COL | COLUMN |
| CONC | CONCRETE |
| CONF | CONFERENCE |
| CONN | CONNECTION |
| CONSTR | CONSTRUCTION |
| CONT | CONTINUOUS |
| CONTR | CONTRACTOR |
| CORR | CORRUGATED |
| CPT | CARPET |
| CSK | COUNTERSUNK |
| CSP | COMBINATION STANDPIPE |
| CSWK | CASEWORK |
| CT | CERAMIC TILE |
| CU | CUBIC |
| CW | COLD WATER |

## D

| | |
|---|---|
| D | DEPTH |
| DBL | DOUBLE |
| DBL ACT | DOUBLE ACTING |
| DEG | DEGREE |
| DEMO | DEMOLISH |
| DEPT | DEPARTMENT |
| DET | DETAIL |
| DF | DRINKING FOUNTAIN |
| DIA | DIAMETER |
| DIAG | DIAGONAL |
| DIFF | DIFFUSER |
| DIM | DIMENSION |
| DIM PT | DIMENSION POINT |
| DISP | DISPENSER |
| DIST | DISTANCE |
| DN | DOWN |
| DR | DRAIN |
| DS | DOWNSPOUT |
| DSP | DRY STANDPIPE |
| DT | DRAPERY TRACK |
| DWG | DRAWING |
| DWGS | DRAWINGS |

## E

| | |
|---|---|
| (E) | EXISTING |
| EA | EACH |
| EDR | EQUIPMENT DRAWING |
| EG | EDGE GUARD |
| EIFS | EXTERIOR INSULATION FINISH SYSTEM |
| EL | ELEVATION |
| ELAST | ELASTOMERIC |
| ELEC | ELECTRICAL |
| ELEV | ELEVATOR |
| EMER | EMERGENCY |
| ENCL | ENCLOSURE |
| ENGR | ENGINEER |
| EOS | EDGE OF SLAB |
| EP | ELECTRICAL PANEL |
| EPB | ELECTRICAL PANEL BOARD |
| EPDM | ETHYLENE PROPYLENE DIENE MONOMER |
| EQ | EQUAL |
| EQL SP | EQUALLY SPACED |
| EQUIP | EQUIPMENT |
| EQUIV | EQUIVALENT |
| ESCAL | ESCALATOR |
| EST | ESTIMATE(D) |
| EWC | ELECTRIC WATER COOLER |
| EXC | EXCAVATED |
| EXH | EXHAUST |
| EXP | EXPANSION |
| EXP JT | EXPANSION JOINT |
| EXT | EXTERIOR |

## F

| | |
|---|---|
| F/F | FACE TO FACE |
| FA | FIRE ALARM |
| FAS | FIRE ALARM STATION |
| FB | FLAT BAR |
| FCU | FAN COIL UNIT |
| FD | FLOOR DRAIN |
| FDC | FIRE DEPARTMENT CONNECTION |
| FDN | FOUNDATION |
| FEC | FIRE EXTINGUISHER CABINET |
| FE | FIRE EXTINGUISHER |
| FF | FINISH FACE |
| FHC | FIRE HOSE CABINET |
| FH/FEC | FIRE HOSE / FIRE EXTINGUISHER CABINET |
| FHMS | FLAT HEAD MACHINE SCREW |
| FHWS | FLAT HEAD WOOD SCREW |
| FHY | FIRE HYDRANT |
| FLAM | FLAMMABLE |
| FLASH | FLASHING |
| FLEX | FLEXIBLE |
| FLUOR | FLUORESCENT |
| FO | FACE OF |
| FSB | FOLDING SHOWER BENCH |
| FSTNR | FASTENER |
| FT | FOOT, FEET |
| FTG | FOOTING |
| FURN | FURNITURE |
| FXTR | FIXTURE |

## G

| | |
|---|---|
| G | GAS |
| GA | GAUGE, GAGE |
| GAL | GALLON |
| GALV | GALVANIZED |
| GB | GRAB BAR |
| GC | GENERAL CONTRACTOR |
| GFRC | GLASS FIBER REINFORCED CONCRETE |
| GFRG | GLASS FIBER REINFORCED GYPSUM |
| GL | GLASS |
| GLU LAM | GLUE LAMINATED |
| GLZ | GLAZING |
| GR | GRADE OR GRADING |
| GVL | GRAVEL |
| GYP | GYPSUM |
| GYP BD | GYPSUM BOARD |
| GYP PLAS | GYPSUM PLASTER |

## H

| | |
|---|---|
| H | HIGH |
| HB | HOSE BIBB |
| HC | HOLLOW CORE |
| HD | HEAD |
| HDBD | HARDBOARD |
| HDW | HARDWARE |
| HDWD | HARDWOOD |
| HGT | HEIGHT |
| HM | HOLLOW METAL |
| HNDRL | HANDRAIL |
| HORIZ | HORIZONTAL |
| HPT | HIGH POINT |
| HR | HOUR |
| HVAC | HEATING-VENTILATION-AIR CONDITIONING |
| HW | HOT WATER |

## I

| | |
|---|---|
| ID | INSIDE DIAMETER |
| IN | INCH |
| INCAND | INCANDESCENT |
| INCL | INCLUDE, INCLUDING |
| INFO | INFORMATION |
| INSUL | INSULATION |
| INTR | INTERIOR |
| INV | INVERT |
| IVT | INTRAVENOUS TRACK |

## J

| | |
|---|---|
| JAN | JANITOR |
| JST | JOIST |
| JT | JOINT |

## K

| | |
|---|---|
| KG | KILOGRAM |
| KIT | KITCHEN |
| KPL | KICK PLATE |
| KS | KNEE SPACE |

## L

| | |
|---|---|
| L | LENGTH, LONG |
| LAB | LABORATORY |
| LAM | LAMINATE, LAMINATION |
| LAV | LAVATORY |
| LB | POUND |
| LED | LIGHT EMITTING DIODE |
| LF | LINEAR FOOT |
| LG | LENGTH |
| LIN | LINEAR |
| LL | LEAD LINED |
| LPT | LOW POINT |
| LT | LIGHT |
| LT WT | LIGHT WEIGHT |
| LTG | LIGHTING |
| LVR | LOUVER |

## M

| | |
|---|---|
| M | METERS |
| MACH | MACHINE |
| MATL | MATERIAL |
| MATV | MASTER ANTENNA TELEVISION SYSTEM |
| MAX | MAXIMUM |
| MB | MACHINE BOLT |
| MC | MEDICINE CABINET |
| MDO | MEDIUM DENSITY OVERLAY |
| MECH | MECHANICAL |
| MED | MEDIUM |
| MEMB | MEMBRANE |
| MFR | MANUFACTURER |
| MH | MANHOLE |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| MLDG | MOLDING |
| MM | MILLIMETERS |
| MO | MASONRY OPENING |
| MOD | MODULE, MODULAR |
| MTD | MOUNTED |
| MTG | MOUNTING |
| MV/BL | MOVABLE |
| MULL | MULLION |

## N

| | |
|---|---|
| (N) | NEW |
| NA | NOT APPLICABLE |
| NAT | NATURAL |
| NE | NORTHEAST |
| NIC | NOT IN CONTRACT |
| NO | NUMBER |
| NOM | NOMINAL |
| NRC | NOICE REDUCTION COEFFICIENT |
| NTS | NOT TO SCALE |
| NW | NORTHWEST |

## O

| | |
|---|---|
| OC | ON CENTER |
| OA | OVERALL |
| OD | OUTSIDE DIAMETER |
| OFCI | OWNER FURNISHED-CONTRACTOR INSTALLED |
| OFOI | OWNER FURNISHED-OWNER INSTALLED |
| OPP | OPPOSITE |
| ORD | OVERFLOW ROOF DRAIN |
| OVHD | OVERHEAD |
| OZ | OUNCE |

## P

| | |
|---|---|
| PA | PUBLIC ADDRESS |
| PART | PARTIAL |
| PBD | PARTICLEBOARD |
| PBX | PRIVATE TELEPHONE EXCHANGE |
| PCF | POUNDS PER CUBIC FOOT |
| PCI | POUNDS PER CUBIC INCH |
| PERF | PERFORATED |
| PERIM | PERIMETER |
| PERM | PERMANENT |
| PERP | PERPENDICULAR |
| PI | POINT OF INTERSECTION |
| PL | PLATE |
| PLAM | PLASTIC LAMINATE |
| PLAS | PLASTER |
| PLBG | PLUMBING |
| PLF | POUNDS PER LINEAR FOOT |
| PLYWD | PLYWOOD |
| PNEU | PNEUMATIC |
| PNL | PANEL |
| PNL BD | PANEL BOARD |
| PNT | PAINT |
| PORT | PORTABLE |
| PP | PUSH PLATE |
| PPM | PARTS PER MILLION |
| PR | PAIR |
| PRCST | PRECAST |
| PREP | PREPARATION |
| PREFAB | PREFABRICATION |
| PRKG | PARKING |
| PROJ | PROJECT |
| PROP | PROPERTY |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| PT | POINT |
| PTN | PARTITION |
| PTS | PNEUMATIC TUBE STATION |
| PVC | POLYVINYL CHLORIDE |
| PVG | PAVING |
| PVMT | PAVEMENT |
| PWR | POWER |

## Q

| | |
|---|---|
| QT | QUARRY TILE |
| QTR | QUARTER |
| QTY | QUANTITY |

## R

| | |
|---|---|
| R | RISER |
| RA | RETURN AIR |
| RAD | RADIUS |
| RB | RESILIENT BASE |
| RCP | REFLECTED CEILING PLAN |
| RCPT | RECEPTACLE |
| RD | ROOF DRAIN |
| RECT | RECTANGULAR |
| REF | REFERENCE |
| REFR | REFRIGERATOR |
| REG | REGISTER |
| REINF | REINFORCE (D) (ING) (MENT) |
| REQD | REQUIRED |
| REQT | REQUIREMENT |
| RESIL | RESILIENT |
| RET | RETURN |
| REV | REVISION |
| RF | RESILIENT FLOORING |
| RH | RIGHT HAND |
| RHMS | ROUND HEAD MACHINE SCREW |
| RHWS | ROUND HEAD WOOD SCREW |
| RM | ROOM |
| RND | ROUND |
| RO | ROUGH OPENING |
| ROW | RIGHT OF WAY |
| RWL | RAIN WATER LEADER |

## S

| | |
|---|---|
| S | SOUTH |
| SA | SUPPLY AIR |
| SB | SPLASH BLOCK |
| SC | SOLID CORE |
| SCHED | SCHEDULE |
| SCRN | SCREEN |
| SD | STORM DRAIN |
| SE | SOUTHEAST |
| SECT | SECTION |
| SEG | SEGMENT |
| SEP | SEPARATION OR SEPARATE |
| SEP JT | SEPARATION JOINT |
| SHT | SHEET, SHEETING |
| SHWR | SHOWER |
| SHV | SHELVES, SHELVING |
| SIM | SIMILAR |
| SK | SINK |
| SMS | SHEET METAL SCREW |
| SP | SPACE, SPACED, SPACING |
| SPEC | SPECIFICATION |
| SPKLR | SPRINKLER |
| SPKR | SPEAKER |
| SQ | SQUARE |
| SS | SANITARY SEWER |
| SSK | SERVICE SINK |
| SST | STAINLESS STEEL |
| ST | STREET |
| STA | STATION |
| STAG | STAGGERED |
| STC | SOUND TRANSMISSION COEFFICIENT |
| STD | STANDARD |
| STL | STEEL |
| STOR | STORAGE |
| STRUCT | STRUCTURAL |
| STS | SELF-TAPPING STEEL |
| SUSP | SUSPENDED |
| SUSP CLG | SUSPENDED CEILING |
| SVCE | SERVICE |
| SW | SOUTHWEST |
| SYMM | SYMMETRICAL |
| SYST | SYSTEM |

## T

| | |
|---|---|
| T | TREAD |
| T&B | TOP AND BOTTOM |
| T&G | TONGUE AND GROOVE |
| TC | TOP OF CONCRETE, TOP OF CURB |
| TD | TRENCH DRAIN |
| TEL | TELEPHONE |
| TEMP | TEMPORARY |
| THERM | THERMAL |
| THK | THICK, THICKNESS |
| THRES | THRESHOLD |
| THRU | THROUGH |
| TMPD GL | TEMPERED GLASS |
| TO | TOP OF |
| TOR | TOP OF RAILING |
| TOS | TOP OF STEEL |
| TOT | TOTAL |
| TOW | TOP OF WALL |
| TP | TOP OF PAVEMENT |
| TTB | TELEPHONE TERMINAL BOARD |
| TV | TELEVISION |
| TYP | TYPICAL |

## U

| | |
|---|---|
| UC | UNDER COUNTER |
| UL | UNDERWRITERS LABORATORIES |
| UON | UNLESS OTHERWISE NOTED |
| UPS | UNINTERRUPTABLE POWER SUPPLY |
| UTIL | UTILITY |

## V

| | |
|---|---|
| VAC | VACUUM |
| VB | VALVE BOX |
| VCT | VINYL COMPOSITION TILE |
| VERT | VERTICAL |
| VEST | VESTIBULE |
| VIT | VITREOUS |
| VP | VENT PIPE |
| VOL | VOLUME |
| VWC | VINYL WALL COVERING |

## W

| | |
|---|---|
| W | WEST |
| W/ | WITH |
| W/O | WITHOUT |
| WIW | WALL TO WALL |
| WC | WATER CLOSET OR WALL COVERING |
| WD | WOOD |
| WDW | WINDOW |
| WGL | WIRE GLASS |
| WCHR | WHEELCHAIR |
| WM | WIRE MESH |
| WO | WHERE OCCURS |
| WPT | WORKING POINT |
| WR | WATER RESISTANT |
| WSCT | WAINSCOT |
| WSP | WET STANDPIPE |
| WT | WEIGHT |
| WTHPRF | WEATHERPROOF |
| WTRPRF | WATERPROOF |
| WWF | WELDED WIRE FABRIC |
| WWM | WELDED WIRE MESH |

## X

| | |
|---|---|
| XFMR | TRANSFORMER |

## Y

| | |
|---|---|
| YD | YARD |

# ARCHITECTURAL FLOOR PLAN SYMBOLS

### DIMENSION SYMBOLS

1'0" - 0"

DIMENSION SHOWN TO:
- STRUCTURAL GRID
- LAYOUT GRID
- CENTERLINE OF ASSEMBLY
- CENTER OF OPENING
- CENTER OF EQUIP/ FURN

GRID OR CENTER LINE TYPICAL

1'0" - 0"

DIMENSION SHOWN TO:
- PARTITION ASSEMBLY
- EDGE OF DOOR OPENING
- OTHER BUILDING ELEMENT
- WORKING POINT INDICATED ON DETAIL

### GENERAL SYMBOLS

- BASE CABINETS
- BASE AND WALL CABINETS
- WALL CABINETS
- TOILET PARTITION AND DOOR
- HANDRAIL
- BUMPER GUARD
- CG CG — CORNER GUARD
- EG — EDGE GUARD
- OVERHEAD ITEMS
- UNDER-COUNTER ITEMS
- NIC — NOT-IN-CONTRACT ITEMS

### FIRE EXTINGUISHER SYMBOLS

- FEXT — FIRE EXTINGUISHER BRACKET MOUNTED
- FEC — FIRE EXTINGUISHER SURFACE MOUNTED
- FEC — FIRE EXTINGUISHER CABINET SEMI-RECESSED
- FEC — FIRE EXTINGUISHER CABINET RECESSED

### PLUMBING SYMBOLS

- TOILET - WALL HUNG
- URINAL - FLOOR/WALL HUNG
- LAVATORY - COUNTERTOP
- LAVATORY - PEDESTAL/WALL HUNG
- UTILITY SINK
- DRINKING FOUNTAIN / EWC
- JANITOR'S RECEPTOR
- BATHTUB
- SHOWER
- FD — FLOOR DRAIN IN SLOPING FLOOR

# ARCHITECTURAL DEMOLITION SYMBOLS

- EXISTING PARTITION TO REMAIN
- EXISTING PARTITION TO BE REMOVED
- EXISTING DOOR TO REMAIN
- EXISTING DOOR AND FRAME TO BE REMOVED
- EXISTING WINDOW TO REMAIN
- EXISTING WINDOW TO BE REMOVED
- EXISTING LAY-IN CEILING TO REMAIN
- EXISTING LAY-IN CEILING TO BE REMOVED

# DOOR AND INTERIOR OPENING SYMBOLS

- 122 — DOOR OPENING MARK
- SINGLE OPENING DOOR
- DOUBLE ACTING DOOR
- PAIR DOORS - EQUAL SIZES
- PAIR DOORS - UNEQUAL SIZES
- PAIR DOORS - DOUBLE EGRESS
- 2 PANEL BI-FOLD DOOR
- PAIR - BI FOLD DOOR
- OVERHEAD ROLLING DOOR
- INTERIOR GLAZED WINDOW
- DOOR WITH SIDE LIGHT
- SLIDING DOOR - BETWEEN JAMBS
- SLIDING POCKET DOOR

# ARCH REFLECTED CEILING PLAN SYMBOLS

### ARCHITECTURAL

- 2'X4' LAY IN ACOUSTIC TILE CEILING
- 2'X2' LAY IN ACOUSTIC TILE CEILING
- GYPSUM BOARD
- AP — ACCESS PANEL

### MECHANICAL

- SUPPLY GRILLE
- RETURN GRILLE
- EXHAUST GRILLE
- LINEAR DIFFUSER
- SPRINKLER HEAD - CLG MOUNT
- SPRINKLER HEAD - WALL MOUNT

### ELECTRICAL

- 2'X4' LIGHTING FIXTURE
- 2'X2' LIGHTING FIXTURE
- 1'X4' LIGHTING FIXTURE
- LIGHTING STRIP FIXTURE
- RECESSED DOWN LIGHT
- WALL WASH
- TRACK LIGHTING
- EXIT SIGN, SINGLE-SIDED
- EXIT SIGN, DOUBLE-SIDED
- F — FIRE ALARM
- S — SPEAKER
- P — SMOKE DETECTOR
- W — WIRELESS INTERNET

### MISCELLANEOUS

- +12'-8" — HEIGHT OF CEILING FINISH ABOVE FINISH FLOOR

# ARCHITECTURAL REFERENCE SYMBOLS

### BUILDING SECTION

1 SIM / A101
- WALL SECTION NUMBER
- DIRECTION OF VIEW
- SHEET WHERE DRAWN

### WALL SECTION

1 SIM / A101
- WALL SECTION NUMBER
- SHEET WHERE DRAWN
- DIRECTION OF VIEW

### EXTERIOR ELEVATION

AX.X.X / X
- ELEVATION NUMBER AND DIRECTION
- SHEET WHERE DRAWN

### DETAIL REFERENCE

1 SIM / A101
- DETAIL NUMBER
- SHEET WHERE DRAWN, HYPHEN INDICATES DETAIL ON SAME SHEET.

### SECTION DETAIL REFERENCE

1 SIM / A101
- ELEVATION NUMBER AND DIRECTION
- SHEET WHERE DRAWN

### INTERIOR ELEVATION REFERENCE

1 / 2 A102 2 / 1
- ELEVATION NUMBER AND DIRECTION OF VIEW
- SHEET WHERE DRAWN

### ROOM NAME AND NUMBER

Room Name
101

### WINDOW AND LOUVER TYPE MARK

- W-X — SEE CORRESPONDING NUMBER ON SCHEDULE
- M-X — SEE ASSEMBLY TYPE FOR DETAILS.

### LEVEL LINE

SECOND LEVEL +10'-0"
- NAME OF LEVEL
- INDICATES HEIGHT ABOVE PROJECT DATUM

### REVISION NUMBER AND EXTENT

- REVISION NUMBER - SEE REVISION HISTORY ON THE TITLE BLOCK OF EACH SHEET
- EXTENT OF CURRENT REVISION

### SHEET KEYNOTE MARK

A502 — SEE CORRESPONDING NUMBERED KEYNOTE ON SHEET WHERE REFERENCE OCCURS

### REFERENCE KEYNOTE MARK

- THE FIRST SIX DIGITS REPRESENT THE SPECIFICATION SECTION
- 088000.A03 — EXAMPLE 1: THE CHARACTERS FOLLOWING THE PERIOD REPRESENT PARTICULAR ITEMS OF THE SPECIFIED SYSTEM
- 061600 5/8" PLYWOOD — EXAMPLE 2: THE TEXT IS THE PRODUCT DESCRIPTION

### MATCH LINE REFERENCES

- MATCH LINE / SHEET A2.1.1 — REFER TO THE SHEET WHERE CONTINUATION IS FOUND
- OR
- SHEET A2.1.2 / SHEET A2.1.1 — REFER TO THE SHEETS EITHER SIDE OF THE MATCH LINE

### DRAWING TITLE SYMBOLS

- 1 View Name SCALE: 1/8" = 1'-0" — BASIC DRAWING TITLE
- 1 View Name SCALE: 1/8" = 1'-0" — BASIC DRAWING TITLE WITH LINE
- View Name SCALE: 1/8" = 1'-0" — DRAWING TITLE WHEN ONLY ONE PLAN EXISTS ON THE DRAWING

### LAYOUT GRID LINES

A B 1 90.00°
- NEW GRID IDENTIFICATION
- EXISTING GRID IDENTIFICATION

### NORTH ARROW REFERENCES

NORTH OR PROJECT NORTH OR TRUE NORTH

# ARCHITECTURAL MATERIAL INDICATIONS

### PLAN AND SECTION

- EARTH
- AGGREGATE BASE COURSE
- CONCRETE
- CONCRETE MASONRY UNIT
- BRICK MASONRY
- PRECAST CONCRETE
- LIMESTONE, SANDSTONE, GRANITE
- MARBLE
- STEEL, STAINLESS STEEL (LARGE SCALE)
- ALUMINUM (LARGE SCALE)
- OTHER METALS (LARGE SCALE)
- WOOD FRAMING - CONTINUOUS (LARGE SCALE)
- WOOD FRAMING - DISCONTINUOUS (LARGE SCALE)
- PLYWOOD (LARGE SCALE)
- FINISH WOOD (LARGE SCALE)
- EIFS INSULATION BOARD (LARGE SCALE)
- SEMI-RIGID INSULATION (LARGE SCALE)
- BATT INSULATION (LARGE SCALE)
- MORTAR, SAND, FIREPROOFING, STUCCO, GYPSUM BOARD
- TERRAZZO (LARGE SCALE)
- COMPOSITE BOARD (LARGE SCALE)
- ACOUSTIC TILE (LARGE SCALE)
- PROTECTION BOARD (LARGE SCALE)
- CERAMIC TILE (LARGE SCALE)
- GLASS (LARGE SCALE)

### ELEVATION

- PLASTER CONCRETE
- MASONRY, METAL SIDING (HORIZONTAL)
- GLASS BLOCK, CERAMIC TILE
- METAL SIDING (VERTICAL)
- GLASS

# ARCHITECTURAL GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY TO ALL ARCHITECTURAL SERIES SHEETS. FOR GENERAL NOTES APPLICABLE TO ALL SHEETS REFER TO THE "PROJECT GENERAL NOTES".

A. THE ARCHITECTURAL SERIES SHEETS ARE PART OF A COMPLETE SET OF CONSTRUCTION DOCUMENTS DESCRIBING THE WORK FOR THIS PROJECT. USERS OF THESE DOCUMENTS ARE RESPONSIBLE TO REVIEW ALL CONSTRUCTION DOCUMENTS TO UNDERSTAND AND COORDINATE THE GRAPHIC AND ANNOTATED INFORMATION PROVIDED IN THESE ARCHITECTURAL SERIES SHEETS.

B. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATIONS SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES, AND SPECIFICATIONS.

C. ALL VISUALLY EXPOSED STRUCTURAL, MECHANICAL, AND ELECTRICAL ELEMENTS, INCLUDING EXPOSED METAL FLOOR AND ROOF DECK, ARE TO BE PAINTED UNLESS OTHERWISE NOTED. THIS INCLUDES ELEMENTS THAT MAY BE VISIBLE THROUGH GRILLES, LOUVERS OR CEILINGS. COLORS AND PAINT MATERIALS ARE DEFINED IN THE FINISH SCHEDULE, THE SPECIFICATIONS, AND THE DRAWINGS AS APPLICABLE TO THE CONSTRUCTION DOCUMENTS.

# REFERENCE ELEVATION DEFINITIONS

1. THE TERM "REFERENCE" ELEVATION OR DIMENSIONS REFERS TO A NOMINAL WORK POINT. THE ACTUAL ELEVATION MAY VARY FROM THE REFERENCE POINT. REFER TO APPLICABLE DETAIL TO DETERMINE THE RELATIONSHIP BETWEEN THE ACTUAL ELEVATION OR DIMENSION AND THE STATED REFERENCE POINT.
2. THE DESIGN REFERENCE ELEVATION +0'-0" SHOWN ON THE ARCHITECTURAL DRAWINGS CORRESPONDS TO THE FINISH FLOOR ELEVATION OF THE GROUND FLOOR. ESTABLISH THE ACTUAL ELEVATION WITH RESPECT TO SITE-SPECIFIC BENCHMARKS AND CONTROL POINTS AS DEFINED IN THE CIVIL DRAWINGS.
3. "FINISH FLOOR" ELEVATIONS ARE MEASURED AT THE TOP OF THE CONCRETE FLOOR SLAB UNLESS OTHERWISE NOTED. APPLIED FINISHES SUCH AS RESILIENT FLOORING OR CARPET MAY RAISE THE ACTUAL FINISH SURFACE ABOVE THE REFERENCE ELEVATION PROVIDED FOR THE FINISH FLOOR.
4. WHERE CONCRETE FLOOR SLAB IS DEPRESSED TO ACCOMMODATE MORTAR BEDS, SETTING BEDS, RAISED ACCESS FLOORS, AND OTHER SIMILAR FLOOR ASSEMBLIES, "FINISHED FLOOR" ELEVATIONS ARE MEASURED AS IF CONCRETE DEPRESSION DOES NOT OCCUR.
5. CEILING HEIGHT ELEVATIONS ARE MEASURED TO BOTTOM OF FINISH SURFACES AND STATED IN RELATION TO DISTANCE ABOVE THE REFERENCE ELEVATION FOR THE FINISH FLOOR UNLESS OTHERWISE NOTED.
6. ROOF ELEVATIONS ARE MEASURED TO TOP OF SURFACES AND STATED IN RELATION TO DISTANCE ABOVE THE REFERENCE ELEVATION PROVIDED FOR THE UPPERMOST FINISH FLOOR UNLESS OTHERWISE NOTED. ELEVATIONS GIVEN ARE TO TOP OF STEEL (TOS), TOP OF DECK (TOD), OR TOP OF TAPERED INSULATION (TOT) UNLESS OTHERWISE NOTED.

# ARCHITECTURAL ASSEMBLY SYSTEM TAGS

### TYPICAL ARCHITECTURAL ASSEMBLY IDENTIFICATION MARK

A000X — PLAN; A000X — SECTION

FOR THE ASSEMBLY TYPES LISTED, SEE THE FOLLOWING SHEETS FOR SYSTEM DETAILS AND DESCRIPTIONS:

TYPE **A** = EXTERIOR WALLS - ABOVE GRADE - SHEET A5.0.X
TYPE **B** = EXTERIOR WALLS - BELOW GRADE - SHEET A5.0.X
TYPE **H** = EXTERIOR WALLS - 1/2 HEIGHT AND PARAPETS - SHEET A5.0.X
TYPE **L** = FOUNDATION SLAB SYSTEMS - SHEET A5.0.X
TYPE **R** = ROOFING SYSTEMS - SHEET A5.0.X
TYPE **S** = EXTERIOR SOFFITS - SHEET A5.0.X
TYPE **T** = EXTERIOR TRIM AND COPING - SHEET A5.0.X

TYPE **G** = EXTERIOR GLAZING / PANEL SYSTEMS - SHEET A5.4.X
TYPE **X** = EXTERIOR FENESTRATION SYSTEMS - SHEET A5.4.X
TYPE **W** = EXTERIOR FRAMED WINDOWS AND LOUVERS - SHEET A5.4.X

TYPE **F** = FLOORING SYSTEMS - SHEET A9.1.X
TYPE **P** = INTERIOR WALL PARTITIONS - SHEET A9.2.X
TYPE **C** = INTERIOR CEILINGS - SHEET A9.4.X

TYPE **E** = INTERIOR GLAZING / PANEL SYSTEMS - SHEET A9.3.X
TYPE **Y** = INTERIOR FENESTRATION SYSTEMS - SHEET A9.3.X
TYPE **M** = INTERIOR FRAMED WINDOWS AND LOUVERS - SHEET A9.3.X

A000X
- **ASSEMBLY TYPE**
- **ASSEMBLY NAME** REPRESENTING: -MAJOR GROUP -FINISH SYSTEM -SUBSTRATE
- **ASSEMBLY VARIABLE** (NOT ALWAYS PRESENT)

ASSEMBLY TAG DESIGNATION

# FIRE RESISTIVE RATING INDICATION

- 0 HOUR SMOKE PARTITION
- 1 HOUR FIRE RESISTANCE RATING
- 2 HOUR FIRE RESISTANCE RATING
- 3 HOUR FIRE RESISTANCE RATING
- 4 HOUR FIRE RESISTANCE RATING

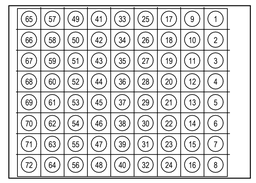
# ARCHITECTURAL SYMBOL NOTES

A. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE AND DEFINE TYPICAL GRAPHIC SYMBOLS WHICH MAY TYPICALLY OCCUR ON THE ARCHITECTURAL DRAWINGS.

B. ADDITIONAL SYMBOLS NOT SHOWN OR DEFINED ON THIS SHEET MAY BE USED ON THE ARCHITECTURAL DRAWINGS AND ARE TYPICALLY DEFINED ON OTHER SHEETS.

C. SYMBOLS ARE NOT DRAWN TO SCALE. TO DETERMINE THE ACTUAL SIZES OF ELEMENTS REPRESENTED BY SYMBOLS, REFER TO THE SPECIFICATIONS AND OTHER SHEETS, AS MAY APPLY.

# MODULAR LAYOUT / DETAIL NUMBER

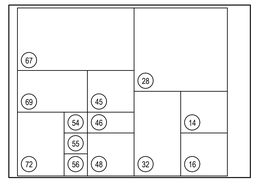


### DETAIL MODULE LAYOUT

DETAILS ARE NUMBERED ACCORDING TO THEIR LOCATION ON EACH SHEET AND ARE NOT NUMBERED CONSECUTIVELY. EACH MODULE MAINTAINS THE NUMBER ASSOCIATED WITH IT

THIS SYSTEM CAN BE APPLIED TO ANY SHEET THAT CONTAINS MULTIPLE IMAGES. THE IMAGES ARE NUMBERED ACCORDING TO THE MODULE SYSTEM SHOWN ILLUSTRATED TO THE LEFT

EACH DETAIL MAY OCCUPY ONE OR MORE WHOLE MODULES. THE DETAIL MODULE IS USED TO ESTABLISH THE IDENTIFYING LABEL FOR EACH DETAIL, NOT TO LIMIT THE SIZE OF THE DETAIL



### DETAIL NUMBERING EXAMPLE

THE NUMBER OF THE MODULE WHICH OCCURS IN THE LOWER LEFT CORNER OF A SINGLE MODULE OR SEVERAL MODULES GROUPED TOGETHER WILL DEFINE THE FINAL DETAIL NUMBER AS SHOWN IN THE ILLUSTRATION TO THE LEFT. ALTHOUGH THE MODULE NUMBERS OCCUR IN CONSECUTIVE ORDER, NOT ALL NUMBERS ARE NECESSARILY USED ON EACH SHEET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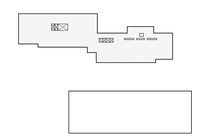
| PRE-APPLICATION SUBMITTAL | | 08/23/2018 |

SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEYPLAN



SHEET TITLE
ARCHITECTURAL ABBREVIATIONS AND SYMBOLS

21739.000
PROJECT NUMBER

SD
SHEET NUMBER

A0.0.1

START Sheet
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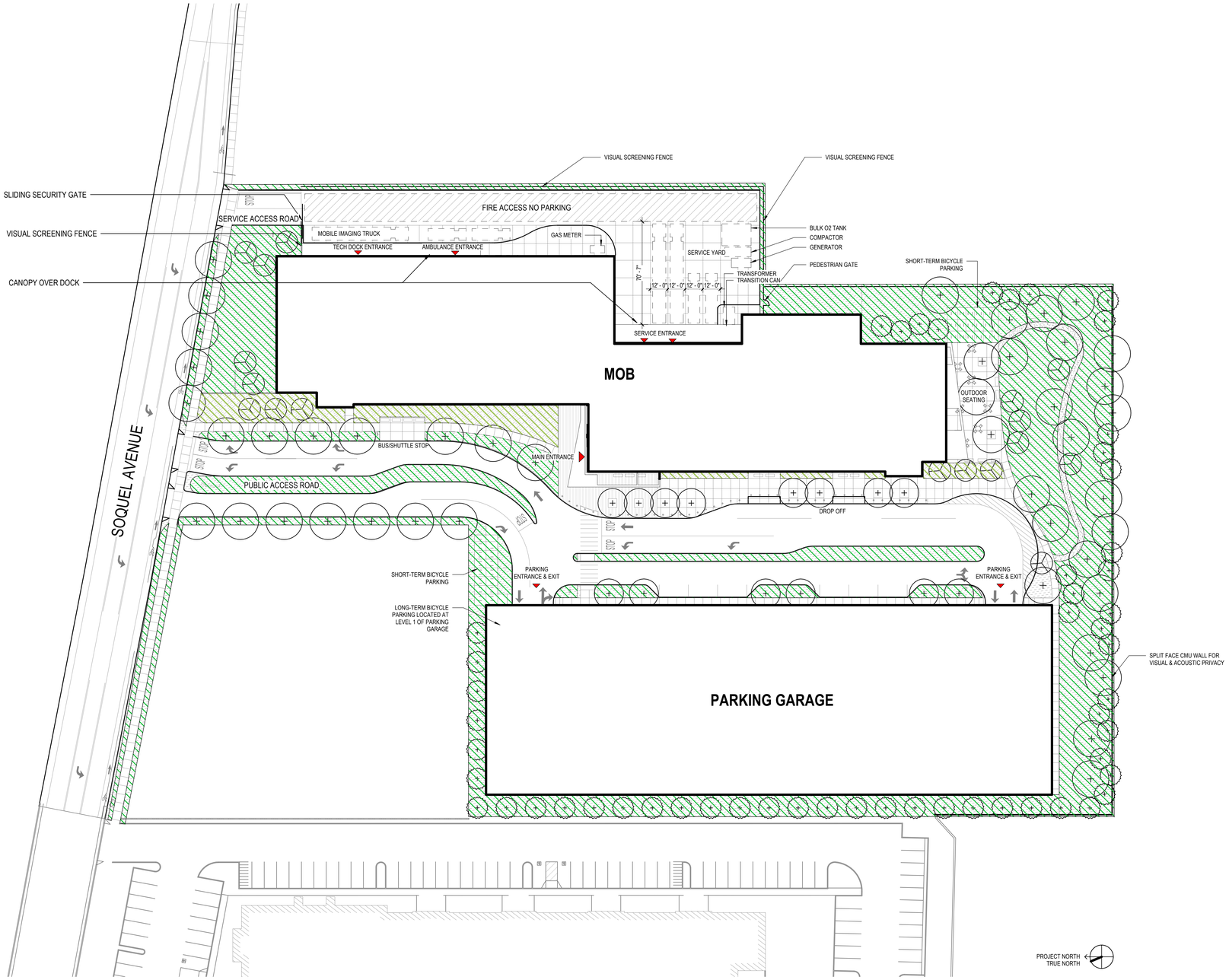


1 SITE PLAN - OVERALL
SCALE: 1/32" = 1'-0"

START Sheet

Plot Date: 6/20/2019 4:19:38 PM

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SEALS AND SIGNATURES

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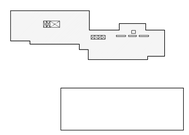
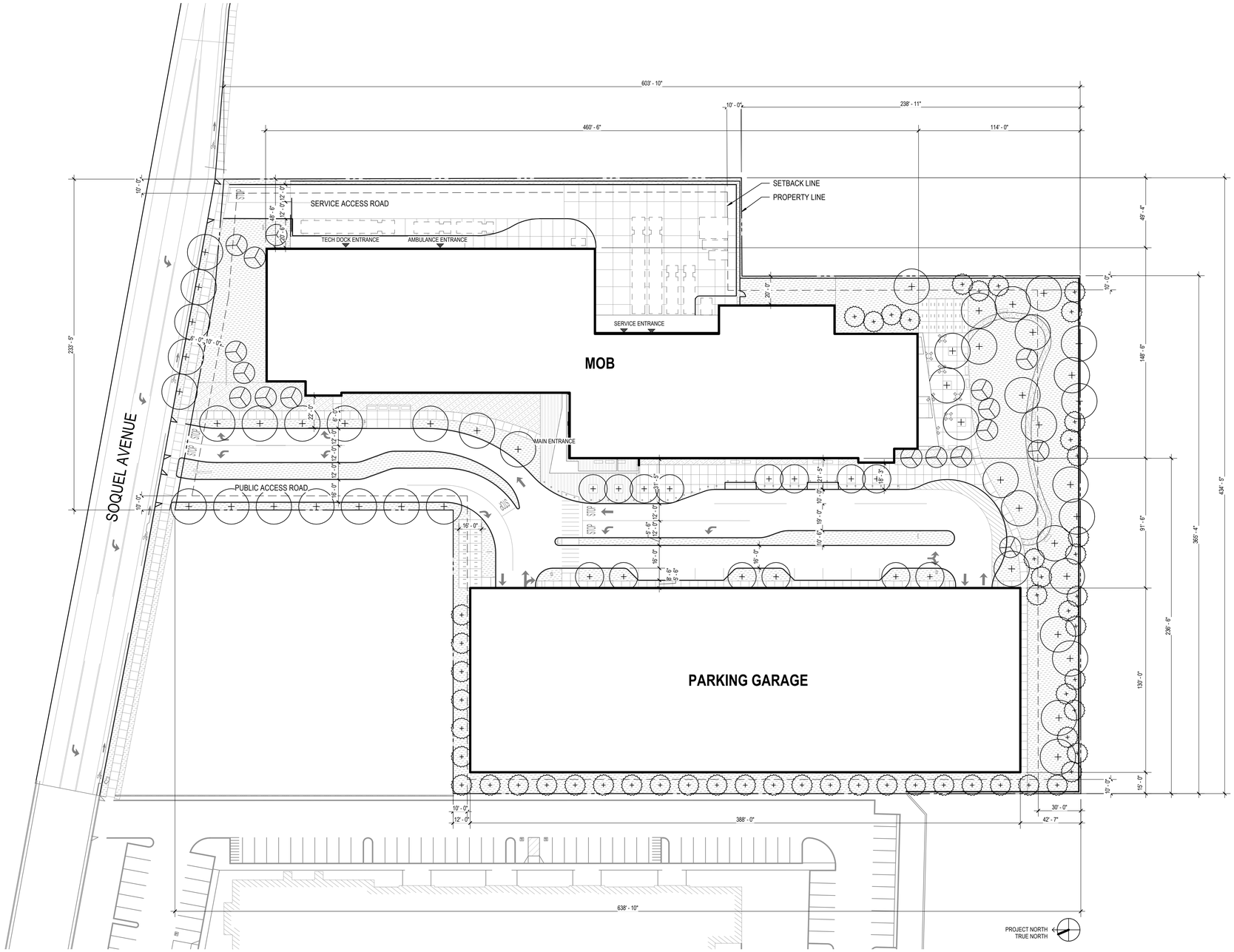


SHEET TITLE
SITE PLAN - OVERALL

PROJECT NUMBER
21739.000

SD

SHEET NUMBER
A1.1.0




1 SITE PLAN - DIMENSION
SCALE: 1/32" = 1'-0"

# 5940 SOQUEL AVENUE

SITE AREA:
GROSS: 4.975
NET: 4.33

**LOT AREA COVERAGE: 51%**

ALLOWED: 110,512 SQUARE FEET
PROPOSED: 95,840 SQUARE FEET

DEVELOPED AREA: 145,087 SQUARE FEET
LANDSCAPED AREA: 71,633 SQUARE FEET
LANDSCAPE RATIO: 33%

# MEDICAL OFFICE BUILDING

HEALTH HUB
FLOOR AREA: 160,000 SQ FEET
LEVEL 2: 45,950 SQ FEET (SURGERY, HEALTH CLINICS)
LEVEL 3: 46,400 SQ FEET (HEALTH CLINICS)
LEVEL 4: 21,250 SQ FEET (HEALTH CLINICS, ADMINISTRATION)

**FLOOR AREA RATIO:**

ALLOWED: 0.80
PROPOSED: 0.74

**PEAK STAFFING:**

TOTAL: 365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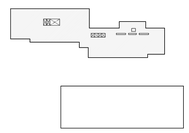
SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

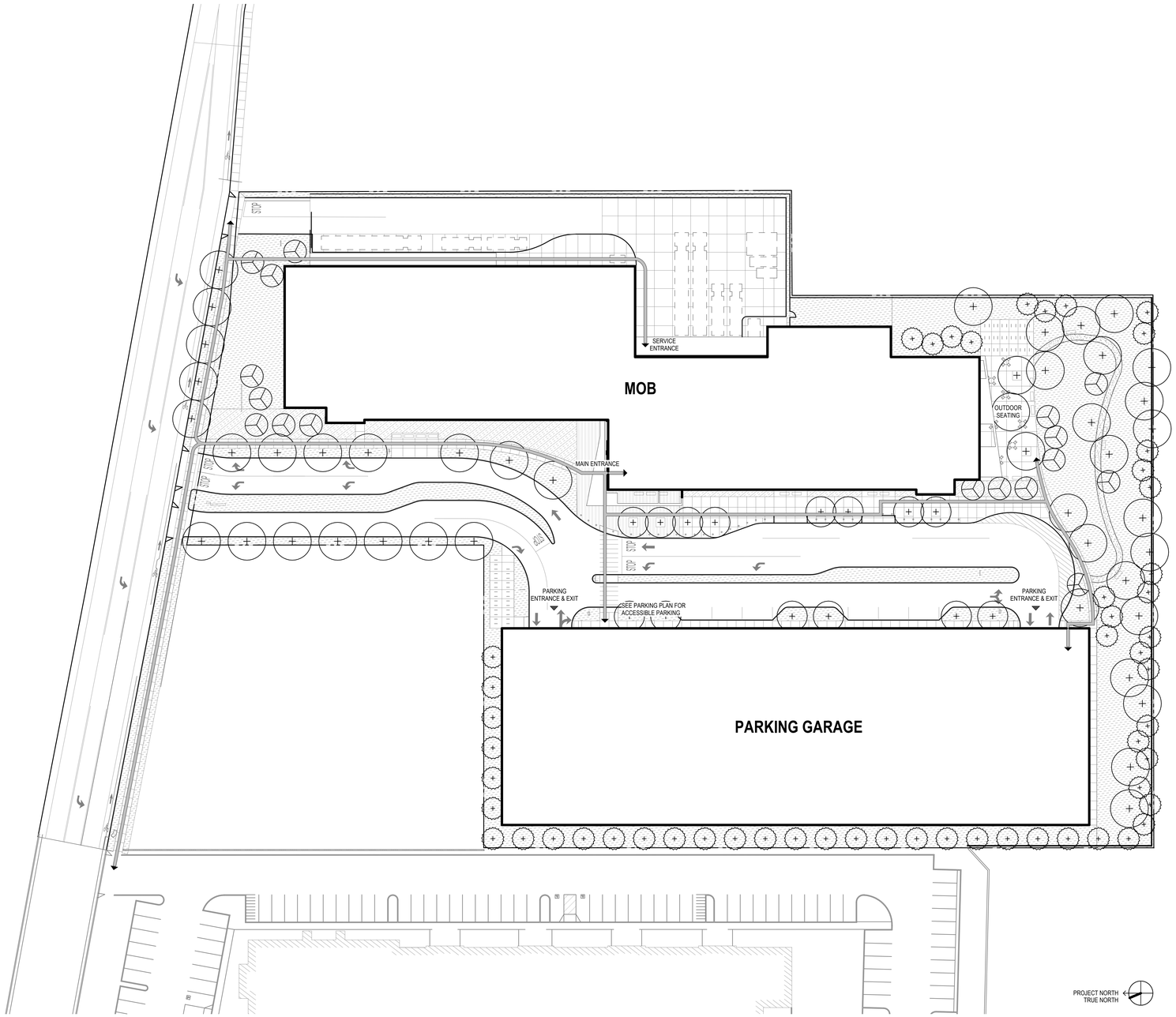
KEYPLAN



SHEET TITLE
SITE PLAN - DIMENSION

21739.000
PROJECT NUMBER
SD
**A1.2.0**
SHEET NUMBER

Author
Plot Date: 6/20/2019 4:12:18 PM




1 SITE PLAN - ACCESSIBILITY
SCALE: 1/32" = 1'-0"

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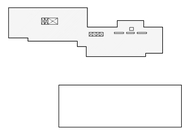


SHEET TITLE
SITE PLAN - ACCESSIBILITY

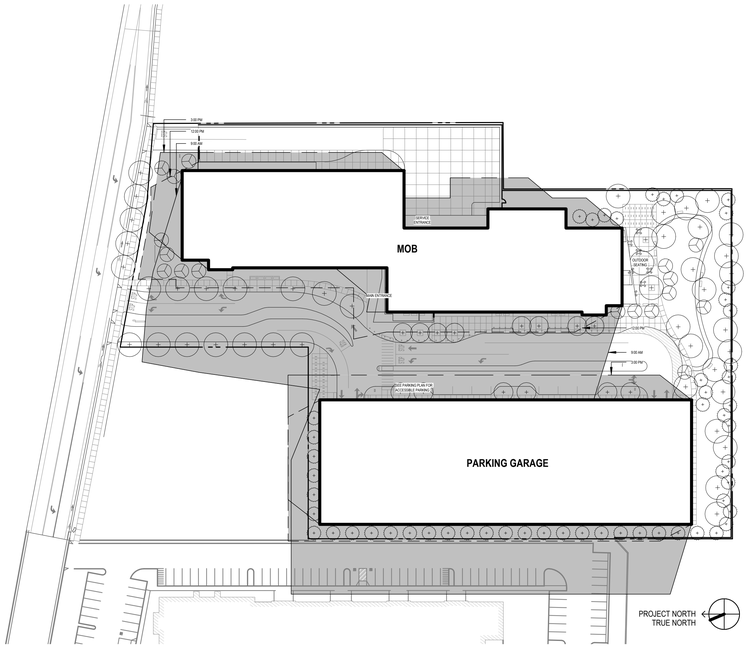
PROJECT NUMBER
21739.000

SD

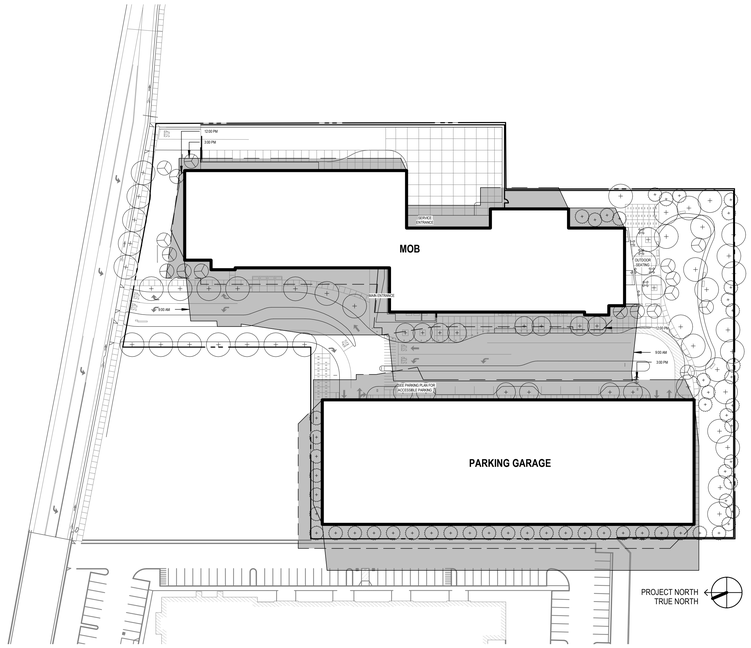
SHEET NUMBER
**A1.3.0**

Author

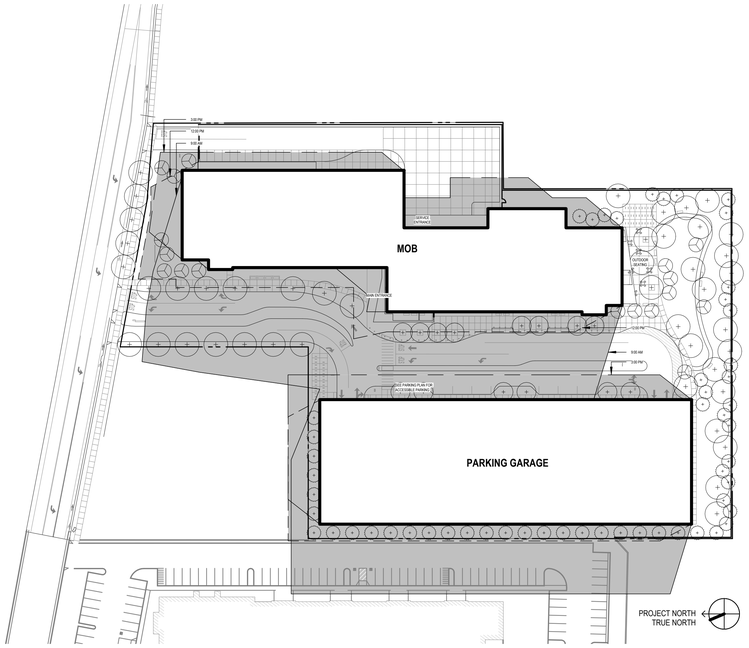
Plot Date: 6/20/2019 4:12:22 PM



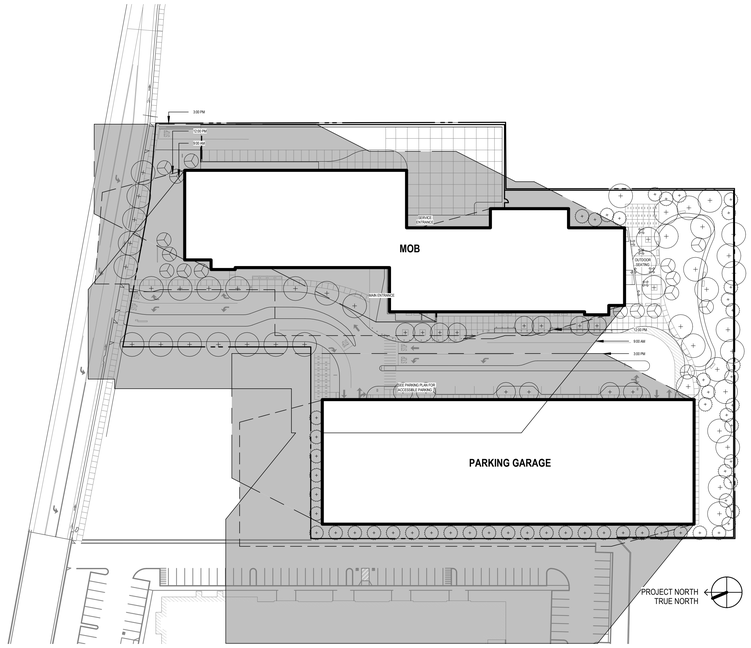

1 SITE PLAN - SHADOW IMPACT STUDY - SPRING EQUINOX
SCALE: 1/64" = 1'-0"




2 SITE PLAN - SHADOW IMPACT STUDY - SUMMER SOLSTICE
SCALE: 1/64" = 1'-0"




3 SITE PLAN - SHADOW IMPACT STUDY - FALL EQUINOX
SCALE: 1/64" = 1'-0"




4 SITE PLAN - SHADOW IMPACT STUDY - WINTER SOLSTICE
SCALE: 1/64" = 1'-0"

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SEALS AND SIGNATURES

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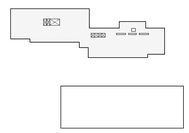
KEYPLAN



SHEET TITLE
SITE PLAN - SHADOW IMPACT STUDY

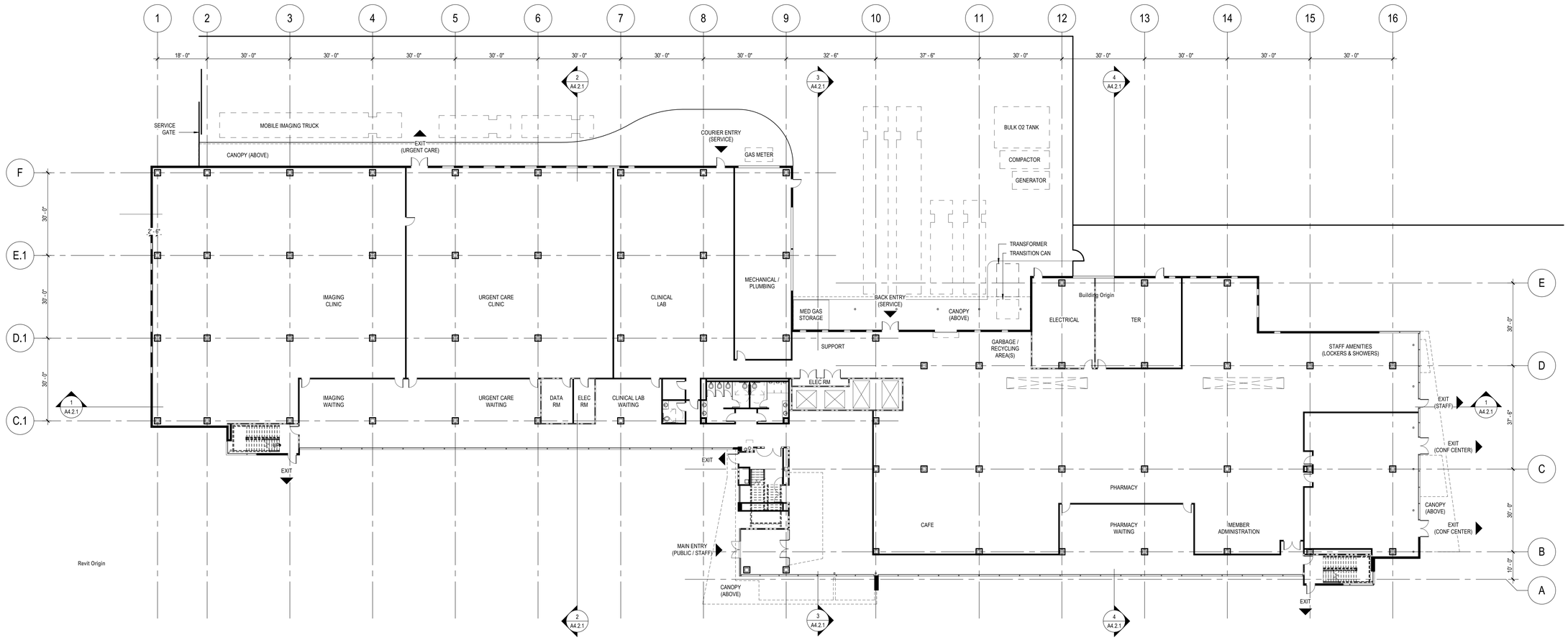
PROJECT NUMBER
21739.000

SD

SHEET NUMBER
**A1.4.0**

Author

Plot Date: 6/20/2019 4:12:28 PM




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

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TRUE NORTH


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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEYPLAN

PROJECT NORTH
TRUE NORTH

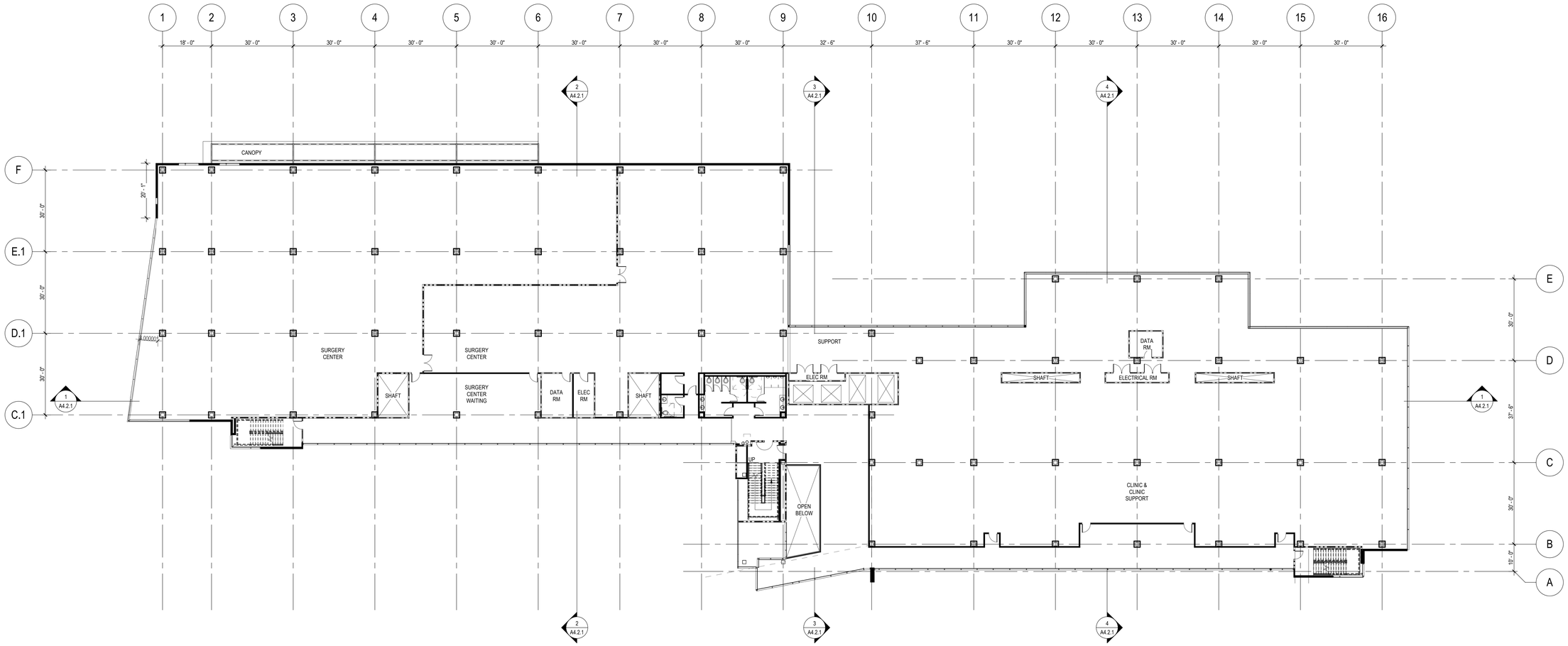
SHEET TITLE
LEVEL 1 PLAN

PROJECT NUMBER
21739.000

SD

SHEET NUMBER
**A2.1.0**

Plot Date: 6/20/2019 4:12:29 PM START Sheet




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

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SEALS AND SIGNATURES

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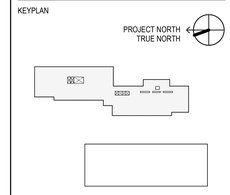
KEYPLAN




SHEET TITLE

LEVEL 2 PLAN

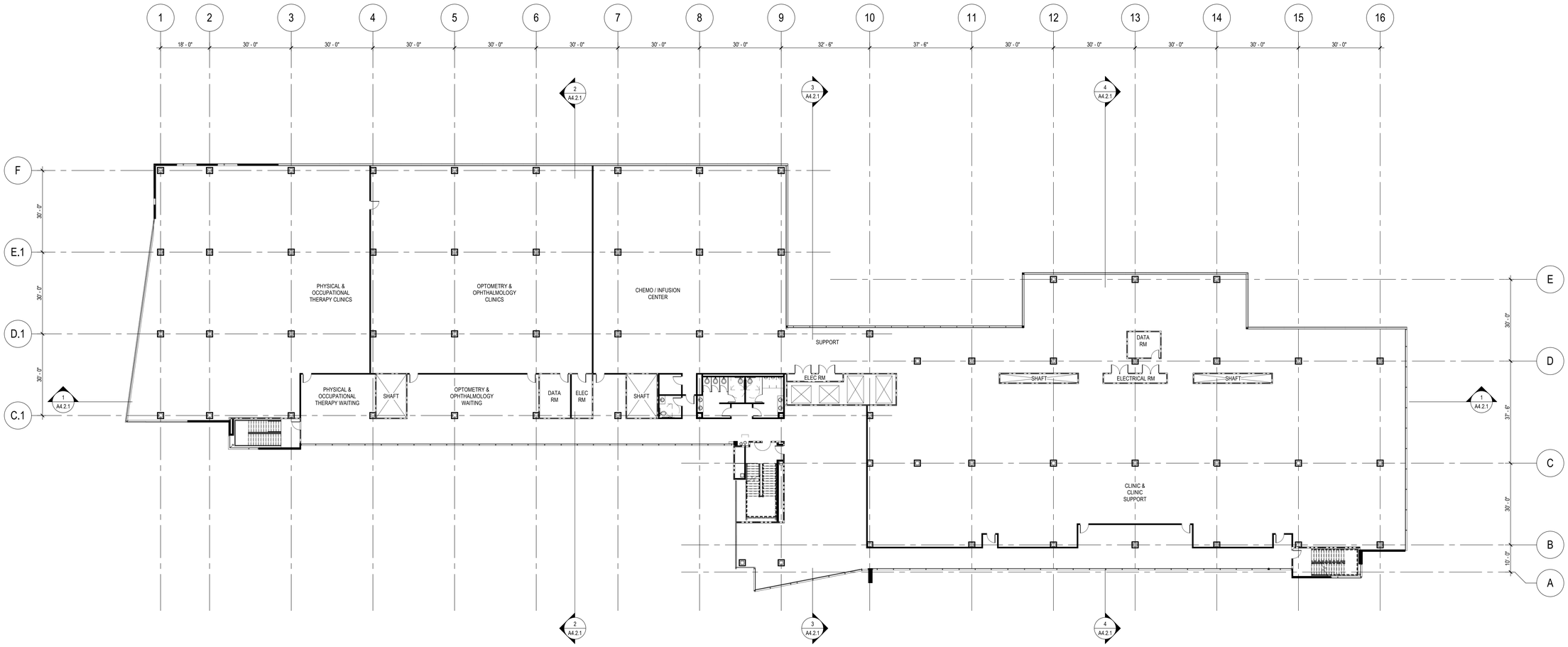
PROJECT NUMBER
21739.000

SD

SHEET NUMBER
**A2.2.0**

Author

Plot Date: 6/20/2019 4:12:34 PM




1 LEVEL 3 - BASE PLAN
SCALE: 1/16" = 1'-0"

PROJECT NORTH
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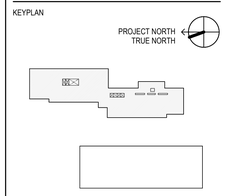


SHEET TITLE
LEVEL 3 PLAN

PROJECT NUMBER
21739.000

SD

SHEET NUMBER
**A2.3.0**

Author

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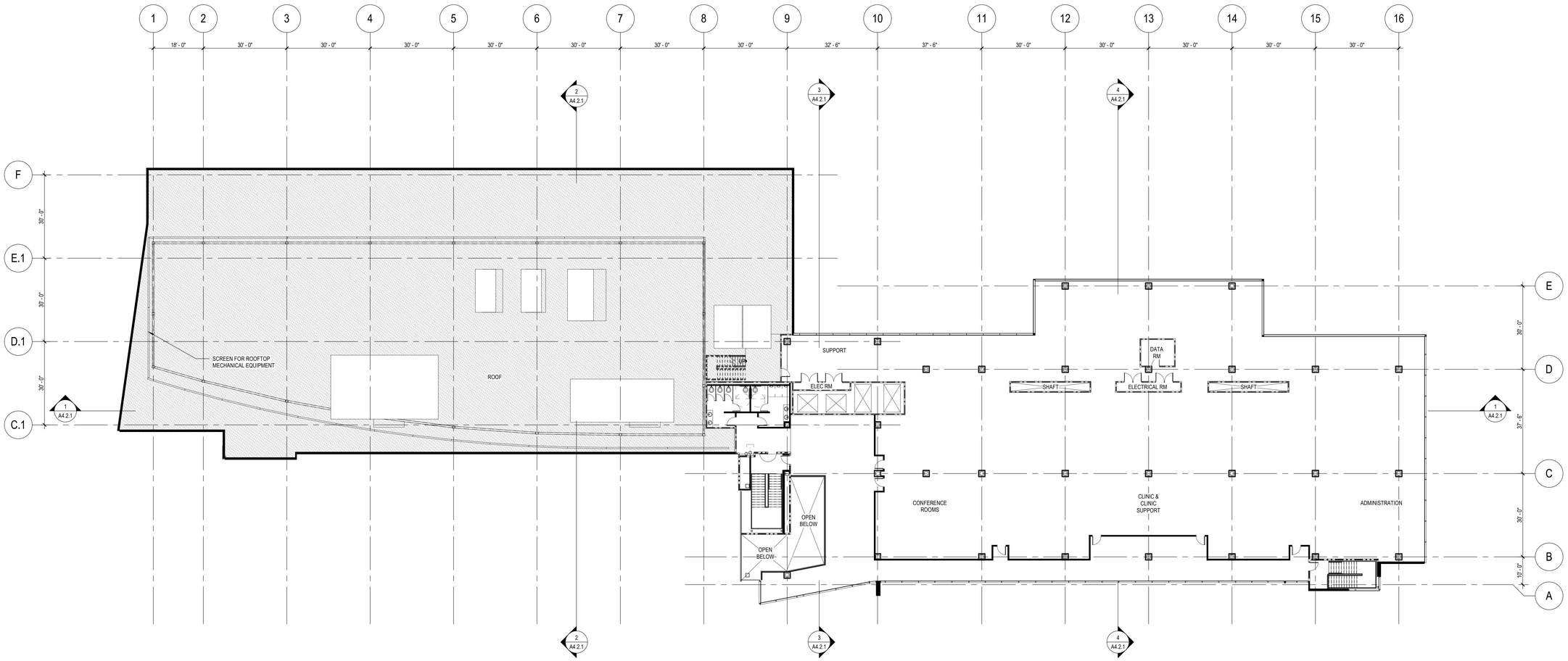


1 LEVEL 4 - BASE PLAN
SCALE: 1/16" = 1'-0"

PROJECT NORTH
TRUE NORTH

Author

Plot Date: 6/20/2019 4:13:03 PM

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SEALS AND SIGNATURES

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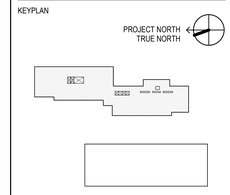
KEYPLAN




SHEET TITLE

LEVEL 4 PLAN

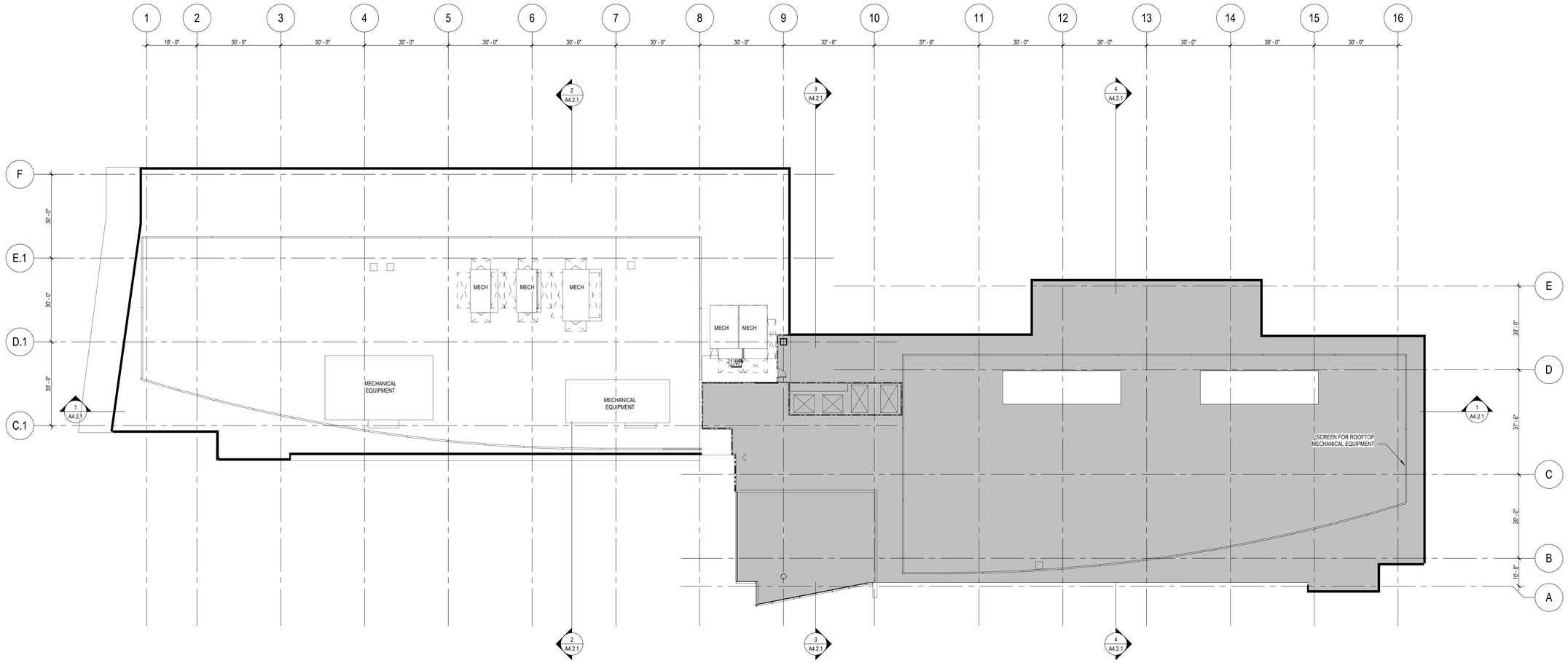
21739.000

PROJECT NUMBER

SD

**A2.4.0**

SHEET NUMBER




1 ROOF - BASE PLAN
SCALE: 1/16" = 1'-0"

PROJECT NORTH
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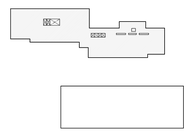

SHEET TITLE
ROOF PLAN

21739.000
PROJECT NUMBER

SD **A2.5.0**
SHEET NUMBER

Plot Date: 6/20/2019 4:13:04 PM START Sheet

1. MAIN ENTRY VIEW

2. VIEW FROM EAST

4. VIEW FROM SOUTH

4. AERIAL VIEW

5. DRIVEWAY ENTRY VIEW

1. CORRUGATED METAL PANELS
2. PREFABRICATED EXTERIOR CLADDING METAL PANEL SYSTEM - SINGLE TONE
3. PREFABRICATED EXTERIOR CLADDING METAL PANEL SYSTEM - THREE TONE
4. CURTAIN WALL SYSTEM
5. CLEAR STOREFRONT
6. PUNCHED WINDOW

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SEALS AND SIGNATURES

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SHEET TITLE
EXTERIOR RENDERINGS

PROJECT NUMBER
21739.000

SD

SHEET NUMBER
**A4.1.0**

Author

3/31/2020 7:28:36 PM

Plot Date:

1. VIEW FROM HWY 1 - NORTHBOUND

3. VIEW FROM SOQUEL SIDEWALK

2. VIEW FROM HWY 1 - SOUTHBOUND

4. VIEW FROM SOQUEL DRIVEWAY ENTRY

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SHEET TITLE
EXTERIOR RENDERINGS

PROJECT NUMBER
21739.000

SD

SHEET NUMBER
A4.1.1

Plot Date: 3/31/2020 7:31:29 PM Author

A

B

1. **CORRUGATED METAL PANELS**
CUSTOM COLOR PAINT ON SOLID METAL PANELS (ROOF SCREEN)

2. **PREFABRICATED EXTERIOR CLADDING METAL PANEL SYSTEM - THREE TONE**
CUSTOM COLOR METAL WALL PANELS

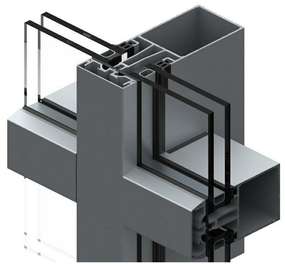
3. **PREFABRICATED EXTERIOR CLADDING METAL PANEL SYSTEM - SINGLE TONE**
CUSTOM COLOR METAL WALL PANELS

4. **PUNCHED WINDOW**
CLEAR
(TYPICAL LEVEL ONE OPENINGS)

5. **STOREFRONT WINDOW**
CLEAR
(TYPICAL LEVEL ONE OPENINGS)

6. **VISION/NON VISION CURTAIN WALL SYSTEM**
CLEAR
(TYPICAL AT WEST BUILDING FACADE)

7. **ALL VISION CURTAIN WALL SYSTEM**
CLEAR
(TYPICAL STAIRCASES & BUILDING ENTRIES)



8. **ALUMINUM CURTAIN WALL AND WINDOW FRAME**
GREY KYNAR PAINT
(TYPICAL AT ALL CURTAIN WALL SYSTEM)

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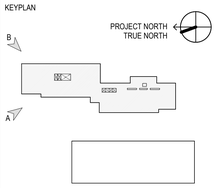


SHEET TITLE
EXTERIOR MATERIAL PALETTE

21739.000
PROJECT NUMBER

SD **A4.1.2**
SHEET NUMBER

Author

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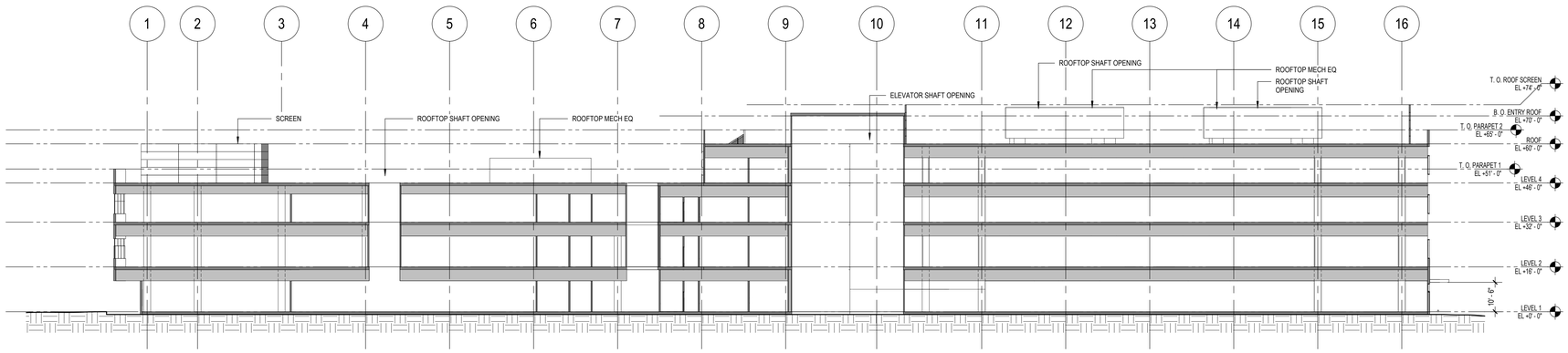


1 N/S SECTION
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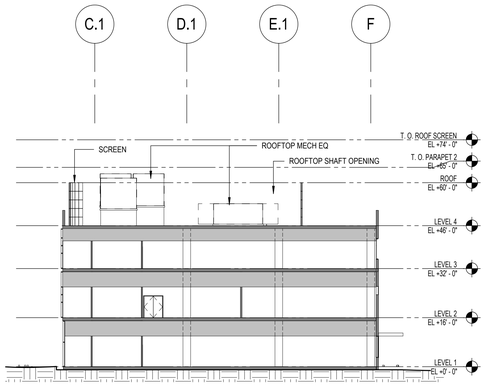
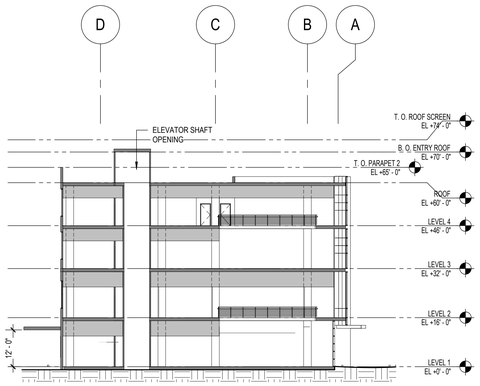



2 E/W SECTION - ASU
SCALE: 1" = 20'-0"




3 E/W SECTION - LOBBY
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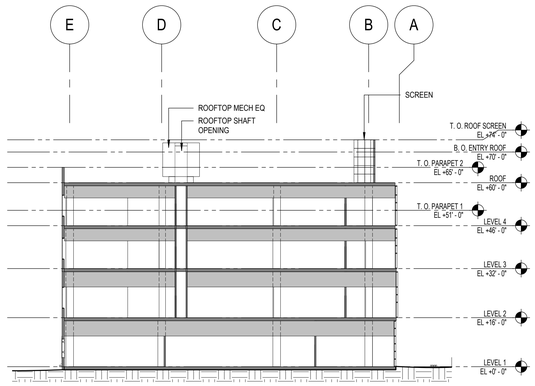


4 E/W SECTION - CLINIC
SCALE: 1" = 20'-0"

## GENERAL SHEET NOTES

A. REFER TO THE A0.X SERIES SHEETS FOR ARCHITECTURAL GENERAL NOTES, DRAWING, REFERENCE AND MATERIAL SYMBOLS, ABBREVIATIONS, AS WELL AS DIMENSIONING CONVENTIONS USED ON THIS SHEET.

B. REFER TO AND COORDINATE WITH STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL FOR ADDITIONAL INFORMATION NOT SHOWN ON THIS SHEET.

C. REFER TO AND COORDINATE WITH CIVIL DRAWINGS FOR ALL FINISH GRADES.

## REFERENCE KEYNOTES

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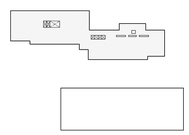

SHEET TITLE
BUILDING SECTIONS

PROJECT NUMBER
21739.000

SD

SHEET NUMBER
**A4.2.1**

START Sheet

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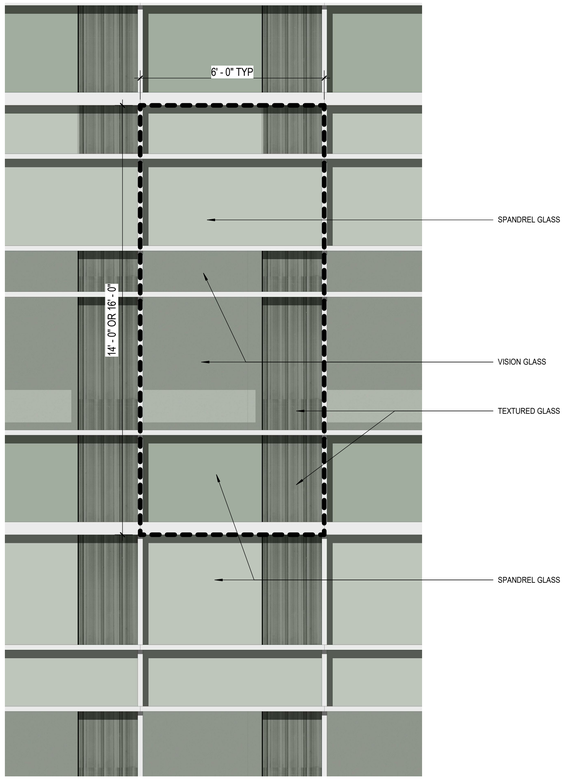


3 ENLARGED CURTAIN WALL SYSTEM DETAIL
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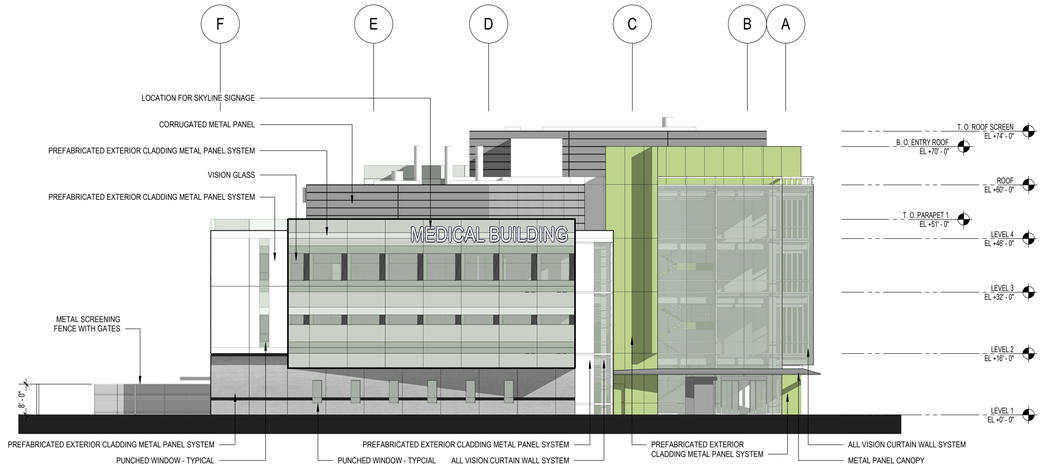
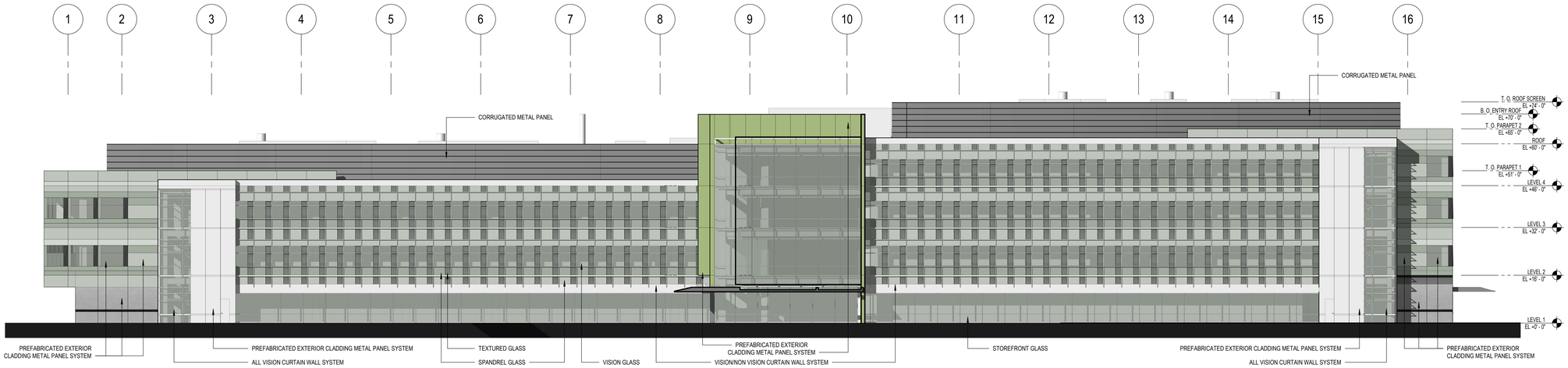



1 MOB - NORTH ELEVATION
SCALE: 1/16" = 1'-0"




2 MOB - WEST ELEVATION
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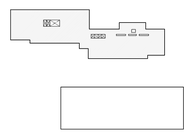
KEYPLAN

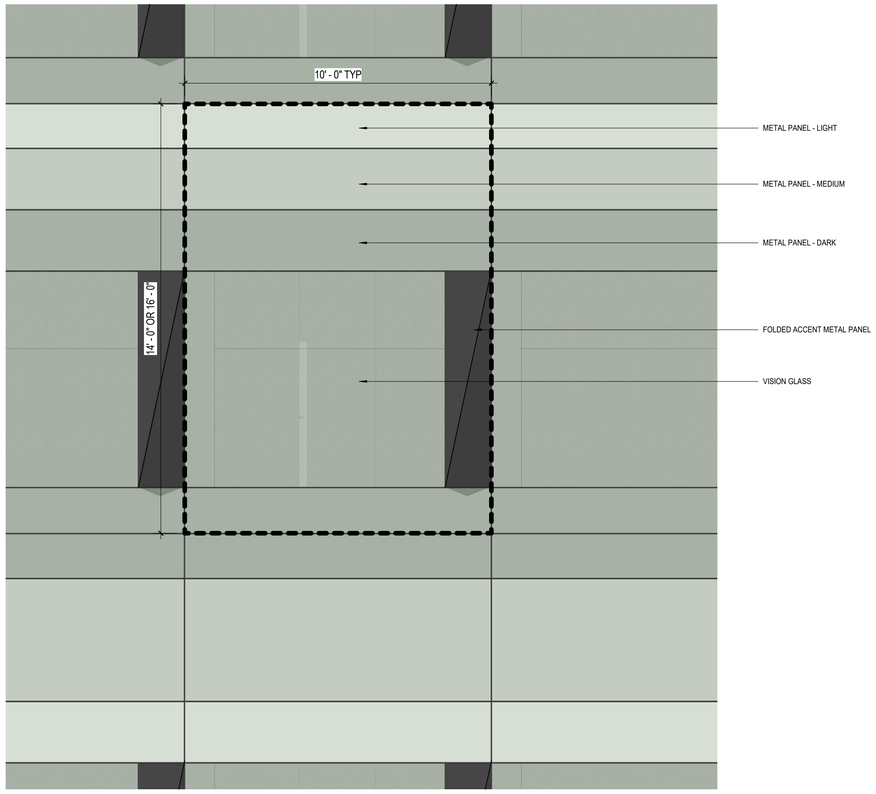


SHEET TITLE
EXTERIOR ELEVATIONS

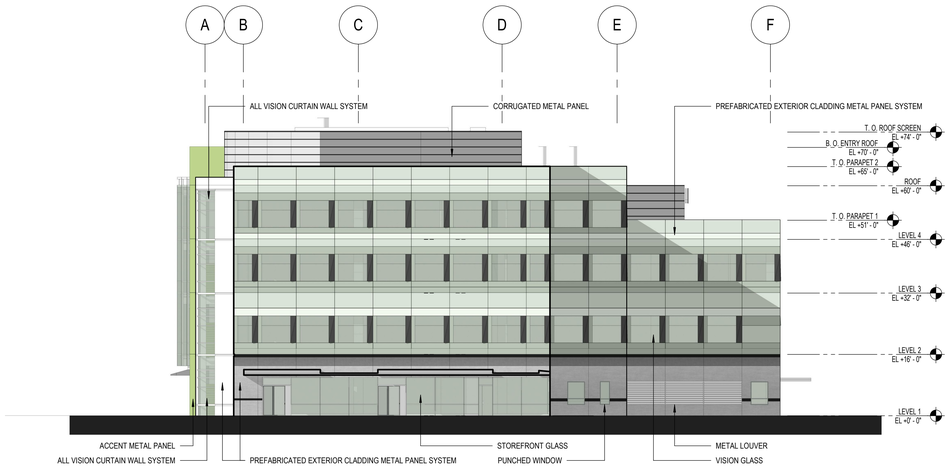
PROJECT NUMBER 21739.000

SD **A4.4.1**
SHEET NUMBER

START Sheet
3/31/2020 7:46:13 PM
Plot Date:




3 ENLARGED PREFABRICATED EXTERIOR CLADDING METAL PANEL SYSTEM DETAIL
SCALE: 1/2" = 1'-0"




1 MOB - SOUTH ELEVATION
SCALE: 1/16" = 1'-0"

2 MOB - EAST ELEVATION
SCALE: 1/16" = 1'-0"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| PERMIT APPLICATION | | 03/27/2019 |
| PRE-APPLICATION SUBMITTAL | | 08/23/2018 |

SEALS AND SIGNATURES

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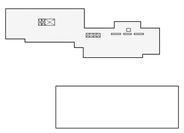
KEYPLAN



SHEET TITLE
EXTERIOR ELEVATIONS

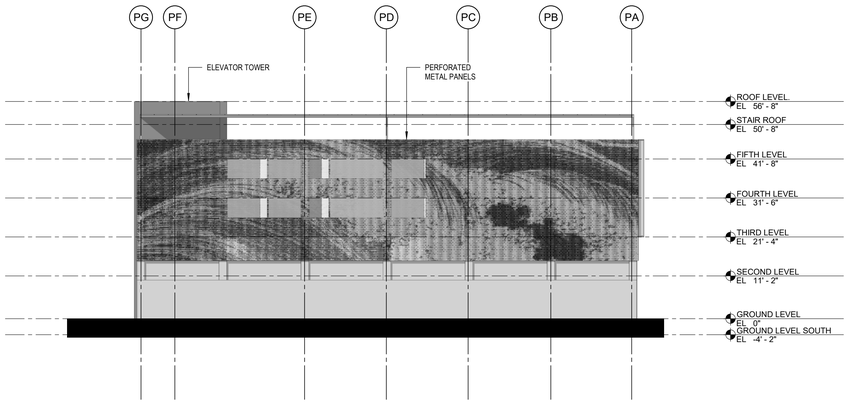
PROJECT NUMBER
21739.000

SD

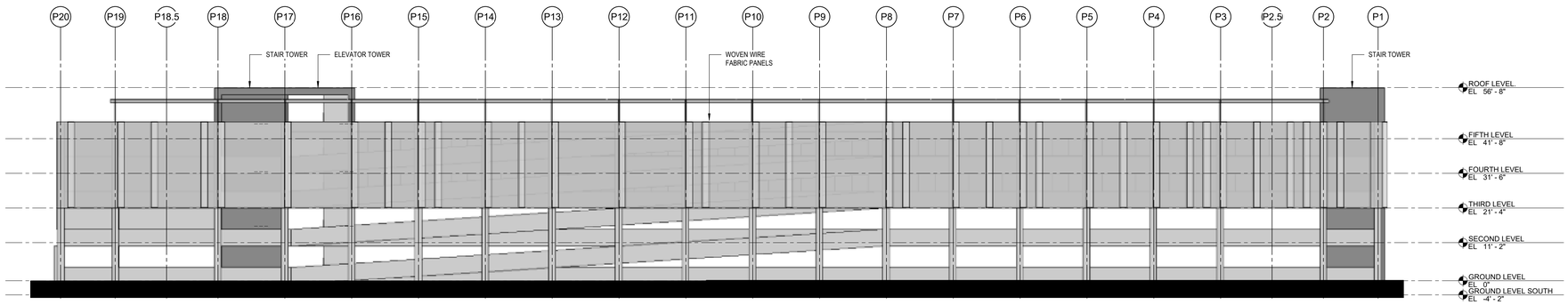
SHEET NUMBER
A4.4.2

Author

Plot Date: 3/31/2020 4:56:15 PM




1 PARKING - NORTH ELEVATION
SCALE: 1/16" = 1'-0"




2 PARKING - WEST ELEVATION
SCALE: 1/16" = 1'-0"

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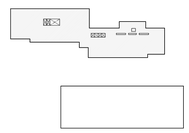
KEYPLAN



SHEET TITLE
EXTERIOR ELEVATIONS

21739.000
PROJECT NUMBER

SD A4.4.3
SHEET NUMBER

Author
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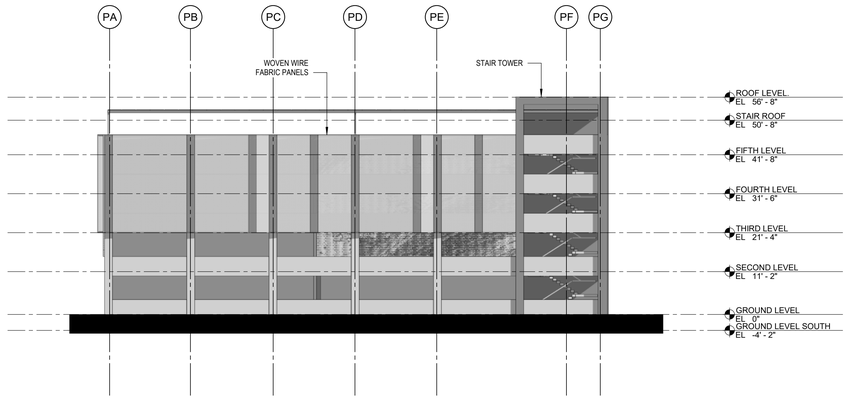
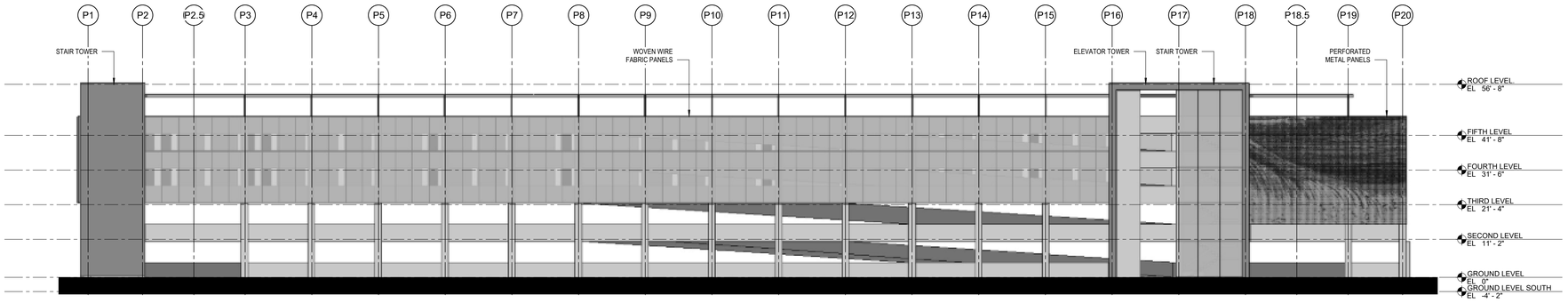



1 PARKING - SOUTH ELEVATION
SCALE: 1/16" = 1'-0"




2 PARKING - EAST ELEVATION
SCALE: 1/16" = 1'-0"

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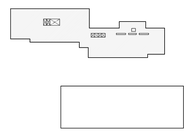
KEYPLAN



SHEET TITLE
EXTERIOR ELEVATIONS

21739.000
PROJECT NUMBER

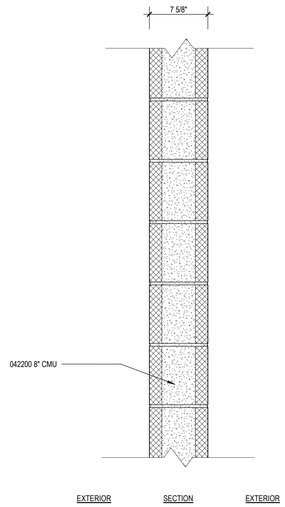
SD
SHEET NUMBER

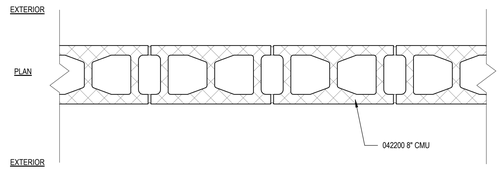
**A4.4.4**

Author

Plot Date: 3/30/2020 3:57:25 PM

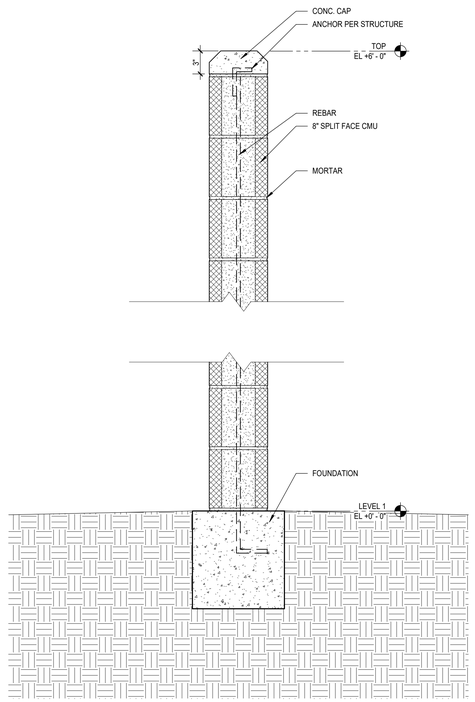
| | |
|---|---|
| A412B | TYPICAL ASSEMBLY |
| A412A | VARIABLE A - X" INSULATION IN LIEU OF 3" |
| A412B | VARIABLE B - SPLIT FACE CMU WALL |
| A412C | VARIABLE C - (INSERT DESCRIPTION) |




A412B EXTERIOR WALL ASSEMBLY

8" CMU BACKUP




2 SPLIT FACE CMU WALL DETAIL

SCALE: 1 1/2" = 1'-0"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SEALS AND SIGNATURES

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SHEET TITLE

EXTERIOR WALL ASSEMBLIES - MASONRY SYSTEMS

PROJECT NUMBER 21739.000

SHEET NUMBER **A5.0.11**

Plot Date: 6/20/2019 4:13:06 PM Author

1. PORCELAIN TILE A

2. PORCELAIN TILE B

3. PORCELAIN TILE C

4. ACOUSTICAL WOOD GRILL PANEL

5. LED LIGHT PANEL

6. SOLID SURFACE

7. BRUSH STAINLESS STEEL

8. TEXTURED METAL PANEL

9. BACKLIT CUSTOM IMAGE GLASS

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| PERMIT APPLICATION | | 03/27/2019 |

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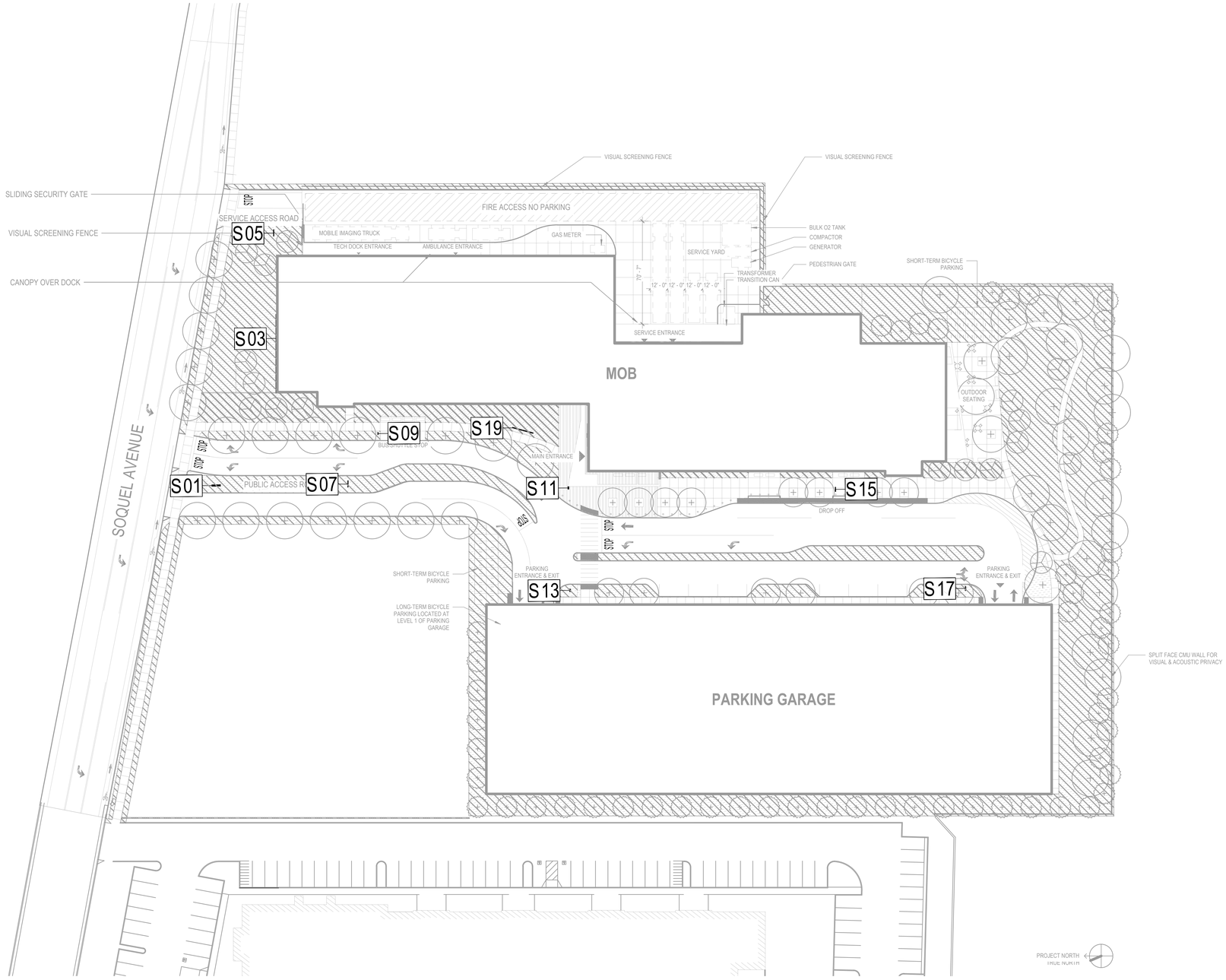
SHEET TITLE
INTERIOR MATERIAL PALETTE

21739.000
PROJECT NUMBER

SD **A9.1.0**
SHEET NUMBER

Author

Plot Date: 6/20/2019 4:20:20 PM




1 SITE SIGNAGE LOCATION PLAN

SCALE: $\frac{1}{32}$" = 1'-0"

## GENERAL NOTES

1. SIGNS ARE LOCATED ON PLANS UTILIZING SYMBOLS ILLUSTRATED IN THE LEGEND BELOW. EACH SIGN NUMBER IS REFERENCED TO THE SIGN SCHEDULE WHICH IS LOCATED IN SECTION 10 14 00 APPENDIX A.
2. REFERENCE SECTION 10 14 00 APPENDIX A FOR THE SIGN SCHEDULE WHICH INCLUDES ALL RELEVANT INFORMATION FOR EACH SIGN, INCLUDING: EXACT MESSAGE & SIGN TYPE.

## LEGEND

S## — Denotes sign number. Denotes site sign.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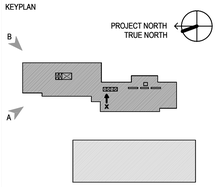



SHEET TITLE

SIGNAGE LOCATION PLAN

21739.00

PROJECT NUMBER

DD

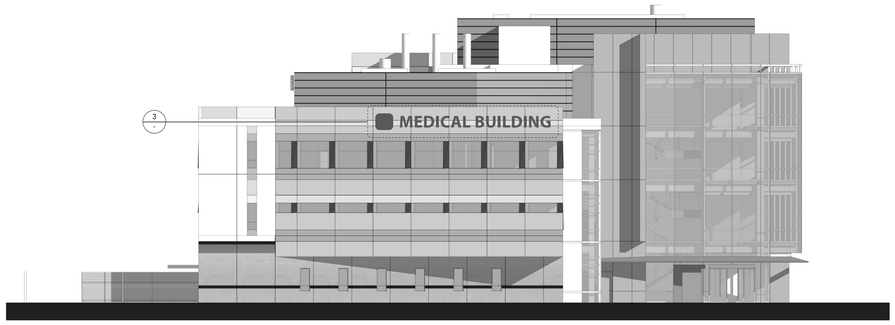
**AG1.0.0**

SHEET NUMBER

DRW

3/18/2008 4:48:12 PM

Plot Date:



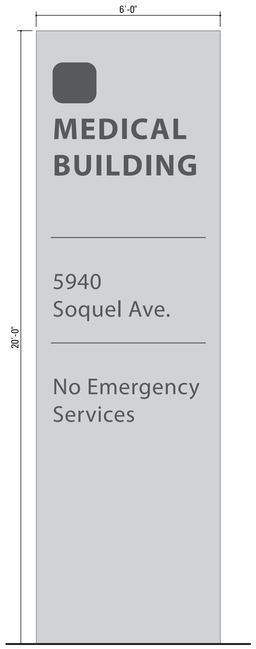

1 **Building Elevation (North):** Skyline Sign S03
Scale: 1/16"= 1'-0"

2 **Building Renderings:** Skyline Sign S03
Scale: NTS

3 **Skyline Sign** S03
Scale: 1/4"= 1'-0"

144 sf

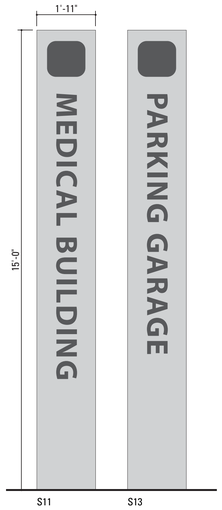
Fabricated aluminum logo and letters
with acrylic faces and surface applied graphic film
Mechanically fastened to wall surface
Internally illuminated
(warm white LEDs, dimmable, connected to time-switch
to be illuminated during evening hours)




3 **Site Monument** S01
Scale: 1/2"= 1'-0"

121 sf

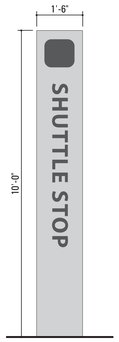
Aluminum pylon/sign cabinet
with acrylic push-thru letters
Internally illuminated
(warm white LEDs)




4 **Identification Totem** S11, S13
Scale: 1/2"= 1'-0"

30 sf

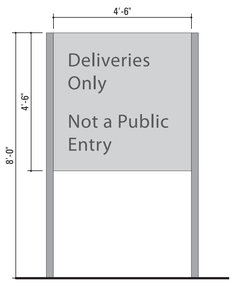
Aluminum pylon
with polycarbonate faces
Internally illuminated
(continuous warm white LEDs)




5 **Small Identification Totem** S09
Scale: 1/2"= 1'-0"

15 sf

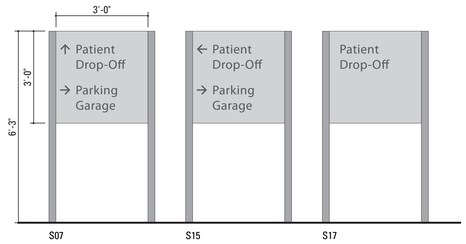
Aluminum pylon
with polycarbonate faces
Internally illuminated
(continuous warm white LEDs)




6 **Large Vehicular Directional** S05
Scale: 1/2"= 1'-0"

21 sf

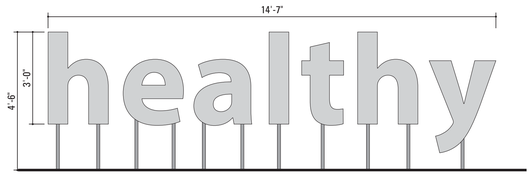
Post and panel
aluminum sign
with applied vinyl graphics
Non-illuminated




7 **Medium Vehicular Directional** S07, S15, S17
Scale: 1/2"= 1'-0"

9 sf

Post and panel
aluminum sign
with applied vinyl graphics
Non-illuminated




8 **Typographic Sculpture** S19
Scale: 1/2"= 1'-0"

45 sf

Fabricated aluminum letterforms
Post-mounted
Externally illuminated (ground up-lights)

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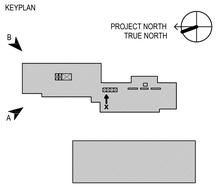
KEYPLAN




SHEET TITLE
SIGNAGE DETAIL DRAWINGS

PROJECT NUMBER
21739.00

DD

SHEET NUMBER
**AG5.0.0**