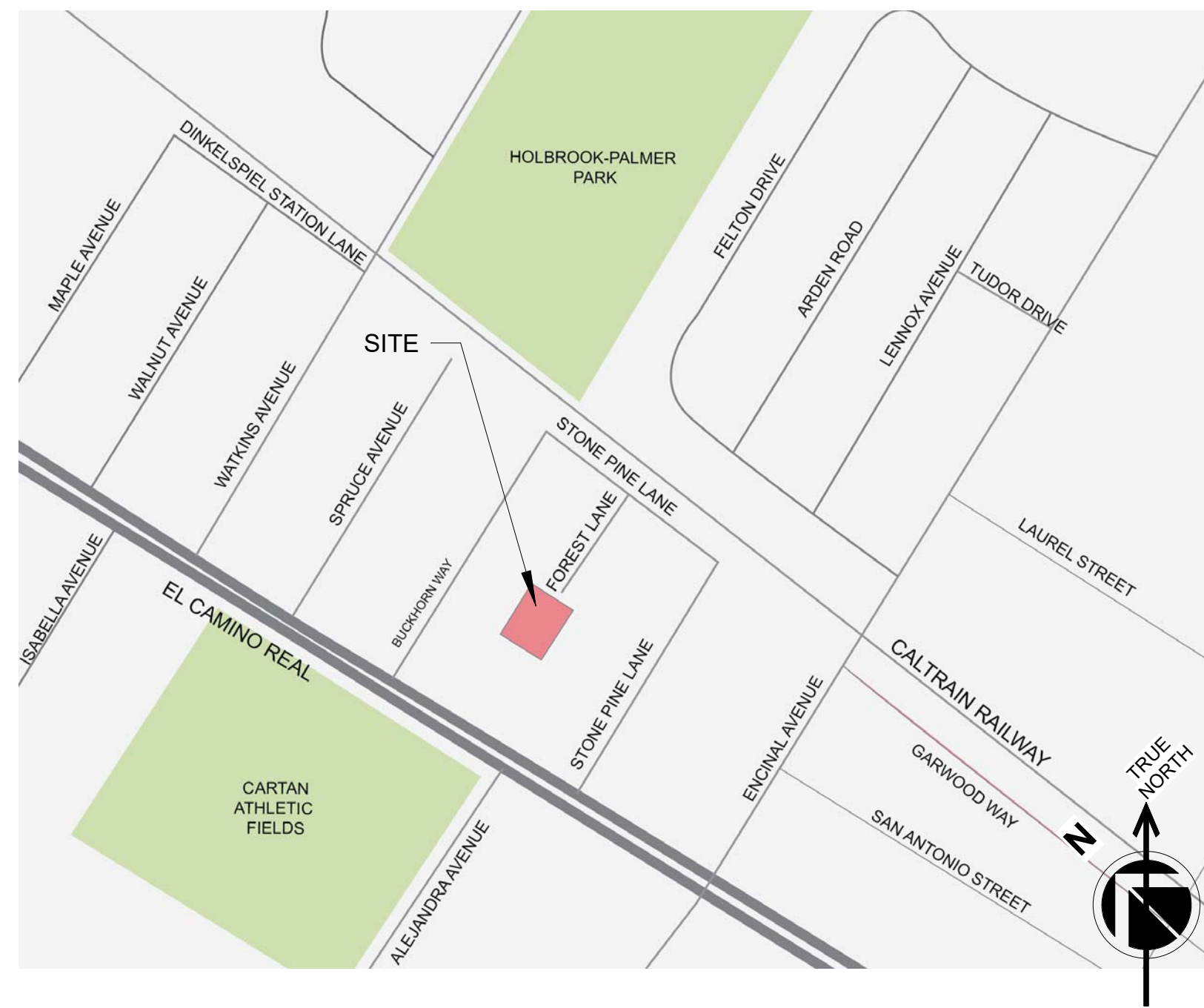


VICINITY MAP



HAMPTON INN BY HILTON MENLO PARK

BY SAGAR PATEL

BY HAMPTON INN PROTOTYPE VERSION 7.0 DATED, DATED JANUARY 2014

PROJECT DIRECTORY

OWNER:
SAGAR PATEL
1704 EL CAMINO REAL
MENLO PARK, CA 94025
(408) 781-4877
sagarkp@yahoo.com

ARCHITECT:
ROBERT SAUVAGEAU
RYS ARCHITECTS, INC.
10 MONTEREY BLVD.
SAN FRANCISCO, CA 94131
(415) 841-9090
bobs@rysarchitects.com

CIVIL:
MICHAEL MORGAN
HOHBACH-LEWIN, INC.
260 SHERIDAN AVENUE, SUITE 150
PALO ALTO, CA 94306
(650) 617-5930
mmorgan@hohbach-lewin.com

GEOTECHNICAL:
TOM PORTER
ROMIG ENGINEERS, INC.
1390 EL CAMINO REAL, 2ND FLOOR
SAN CARLOS, CA 94070
(650) 591-5224

SUSTAINABILITY:
HEALTHY BUILDING SCIENCE
28 2ND STREET, 3RD FLOOR
SAN FRANCISCO, CA 94105
(415) 785-7986

LANDSCAPE:
TOM HOLLOWAY
KLA, INC.
151 NORTH NORLIN STREET
SONORA, CA 95370
(209) 532-2856
tom@kla-ca.com

LIGHTING:
JARED THEISS
SILVERMAN & LIGHT
1201 PARK AVE, STE 100
EMERYVILLE, CA 94608
(510) 655-1200
jared@silvermanlight.com

ARBORIST:
DAVID L. BABBY
ARBOR RESOURCES
PO BOX 25295
SAN MATEO, CA
(650) 654-3351
arborresources@comcast.net

TRAFFIC ENGINEER:
RICHARD HOPPER
RKH CIVIL AND TRANSPORTATION
ENGINEERING
837 COLUMBA LANE
FOSTER CITY, CA 94404
(650) 212-0837
FAX (650) 212-3150

SITE ANALYSIS

| | | | |
|---------------------|--|--|---------------------------------------|
| A.P.N.: | 060343790 | PARKING | |
| ADDRESS: | 1704 EL CAMINO REAL, MENLO PARK, CA 94027 | 1.25 CAR PER ROOM | 1 BIKE SPACE PER 20 ROOMS |
| EXISTING ZONE: | ECR-NE-L EL CAMINO REAL DOWNTOWN SPECIFIC PLAN | 70 ROOMS X 1.25 = 88 | 70 ROOMS / 20 = (3.5) 4 |
| TYPES OF OCCUPANCY: | R-1 / B / A-2 | PARKING PROVIDED 56 3 ACCESSIBLE SPACES 6 CLEAN AIR SPACES | SHORT TERM BIKE PARKING PROVIDED 4 |
| PROPOSED OF USE: | VISITOR ACCOMMODATION: SELECT-SERVICE HOTEL | 9 EV SPACES PROVIDED OF WHICH 6 ARE EVSE SPACES | LONG TERM BIKE PARKING PROVIDED 4 |
| NO. OF STORIES: | 3 LEVELS ABOVE GRADE | VALET SYSTEM ACCOMMODATES 70 CARS | |
| PARKING PROVIDED: | 56 VEHICLE SPACES | | |

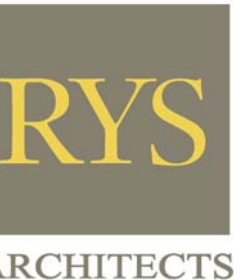
| BUILDING AREA | | | ROOM MIX | | | | |
|--|----------------|----------------|-------------------|-------|--------|-------|-------|
| LEVEL | GROSS | FLOOR AREA | TYPE | LEVEL | | | TOTAL |
| | | | | FIRST | SECOND | THIRD | |
| GARAGE | 26,031.27 S.F. | 1,409.12 S.F. | | | | | |
| FIRST FLOOR | 13,618.81 S.F. | 13,346.98 S.F. | KING | 2 | 5 | 4 | 11 |
| SECOND FLOOR | 13,923.90 S.F. | 13,570.67 S.F. | ACC. KING | - | 2 | 1 | 3 |
| THIRD FLOOR | 12,015.49 S.F. | 11,677.41 S.F. | ACC. KING SUITE | - | - | - | - |
| TOTAL | 65,589.47 S.F. | 40,004.18 S.F. | DOUBLE QUEEN | 15 | 22 | 19 | 56 |
| FLOOR AREA RATIO: 40,004.18 S.F. / 36,410 S.F. = 1.099 | | | ACC. DOUBLE QUEEN | - | - | - | - |
| | | | TOTAL | 17 | 29 | 24 | 70 |

| EXISTING SITE AREA : | | | PROPOSED SITE AREA : | | |
|----------------------|-------------|------------|-------------------------|---------------------------------------|------------|
| AREA | S.F. | PERCENTAGE | AREA | S.F. | PERCENTAGE |
| BUILDING FOOTPRINT: | 8,384 S.F. | 23.03% | BUILDING FOOTPRINT: | 13,618.81 S.F. | 37.40% |
| DRIVEWAY: | 12,796 S.F. | 35.14% | DRIVEWAY: | 7,861.33 S.F. | 21.59% |
| OPEN SPACE: | 15,230 S.F. | 41.83% | OPEN SPACE: | 14,929.86 S.F. | 41.01% |
| TOTAL SITE AREA: | 36,410 S.F. | 100% | TOTAL SITE AREA: | 36,410.00 S.F. | 100% |
| | | | FLOOR AREA RATIO: | 40,004.18 S.F. / 36,410 S.F. = 1.099 | |
| | | | TOTAL OPEN SPACE RATIO: | 14,929.86 S.F. / 36,410 S.F. = 41.01% | |

DRAWING INDEX

| | | | |
|-----------|--------------------------------|-------|--|
| T1 | COVER SHEET | L0.1 | CONCEPTUAL LANDSCAPE PLAN - FIRST FLOOR / SITE |
| T2 | BUILDING CODE CALCULATIONS | L0.2 | CONCEPTUAL LANDSCAPE PLAN - THIRD FLOOR |
| T3 | ALLOWABLE OPENING CALCULATIONS | | |
| 2017-TOPO | TOPOGRAPHIC SURVEY PLAN | C1.0 | COVER SHEET |
| A1 | AREA PLAN | C3.0 | PRELIMINARY GRADING AND DRAINAGE PLAN |
| A2 | SITE PLAN | C4.0 | PRELIMINARY UTILITY PLAN |
| A2.1 | SIGNAGE MASTER PLAN | C5.0 | STORM WATER TREATMENT PLAN |
| A3 | GARAGE PLAN | C7.0 | DETAILS |
| A4 | FIRST FLOOR PLAN | E0.01 | LIGHTING - GENERAL NOTES, SYMBOLS, INDEX |
| A5 | SECOND FLOOR PLAN | E0.02 | LIGHTING FIXTURE SCHEDULE |
| A6 | THIRD FLOOR PLAN | E0.03 | LIGHTING EQUIPMENT CUTSHEETS 1 |
| A7 | ROOF PLAN | E0.04 | LIGHTING EQUIPMENT CUTSHEETS 2 |
| A8 | BUILDING AREA CALCULATIONS | E0.05 | LIGHTING EQUIPMENT CUTSHEETS 3 |
| A8.1 | BUILDING AREA CALCULATIONS | E1.00 | GARAGE LIGHTING PLAN - BASEMENT LEVEL |
| A9 | BUILDING ELEVATIONS | E1.01 | EXTERIOR & SITE LIGHTING PLAN - LEVEL 1 |
| A10 | BUILDING ELEVATIONS | E1.02 | EXTERIOR & SITE LIGHTING PLAN - LEVEL 3 |
| A10.1 | EXISTING BUILDING ELEVATIONS | E1.10 | GARAGE PHOTOMETRIC PLAN - BASEMENT LEVEL |
| A11 | RENDERED COLOR ELEVATIONS | E1.11 | EXTERIOR & SITE PHOTOMETRIC PLAN - LEVEL 1 |
| A12 | RENDERED COLOR ELEVATIONS | E1.12 | EXTERIOR & SITE PHOTOMETRIC PLAN - LEVEL 3 |
| A13 | STREETSCAPE ELEVATION | PH-1 | CONSTRUCTION PHASING PLAN |
| A13.1 | PHOTO SIMULATIONS | M | 11X17 MATL BOARD (PREVIOUSLY SUBMITTED) |
| A14 | BUILDING SECTIONS | | |
| A14.1 | LINE OF SIGHT DIAGRAMS | | |
| A15 | WALL PROFILE DETAILS | | |
| A15.1 | WALL PROFILE DETAILS | | |
| A16 | COLORS AND MATERIAL BOARD | | |
| A17 | UNIT PLANS & LEED CHECKLIST | | |
| A18 | MASSING STUDIES | | |
| A19 | ALTERNATE COLOR SCHEMES | | |
| F1 | FIRE ACCESS SITE PLAN | | |
| F2 | FIRE ACCESS BUILDING SECTIONS | | |

COVER SHEET



Allowable Area Calculations
Dec 5, 2018

Based on CBC 2016

Project address: 1704 El Camino Real

Building Use: Hotel, 3-story above grade, underground parking garage

Occupancies: R-1, B, A2, U at above grade stories
S2 at underground parking garage

Construction type: Type V-A fully sprinklered

Sprinkler system: CBC 903.3.1.1 NFPA 13

Allowable Area Calculations

Actual Occupancy Areas:

First Floor:
B 3,943 sf (office, toilets, fitness, mechanical, electrical, trash encl)
A2 2,493 sf (breakfast, lounge, lobby)
R-1 7,312 sf (storage less than 10% counted as incidental)

Second Floor:
R-1 13,922 sf (storage less than 10% counted as incidental)

Third Floor:
R-1 12,009 sf (storage less than 10% counted as incidental)

Garage:
S-2 26,031 sf (laundry/mechanical rooms less than 10% as incidental)

Requirements per CBC Tables:

| | Table 504.3 | Table 504.4 | Table 506.2 |
|-----------|-------------|-------------|----------------|
| Occupancy | Height | Stories | Allowable Area |
| R-1 | 50' | 4 | SM - 36,000 |
| B | 70' | 4 | SM - 54,000 |
| A-2 | 50' | 2 | SM - 34,500 |
| S-2 | 70' | 5 | S1 - 84,000 |

Per Section 506.2.4 Mixed Occupancies, Multiple Stories

Each story to comply with section 508.1 for Separated Occupancies 508.4.

Section 508.4 Separated Occupancies:

Sum of ratios of each occupancies area divided by allowable area of each occupancy shall not exceed 1.

Thus,

Garage Floor:
S-2 ratio = 26,031 / 84,000 = .31 < 1 **OK**

First Floor:

B ratio = B actual area / B allowable area = 3,943 / 54,000 = .073
A-2 ratio = A2 actual area / A2 allowable = 2,493 / 34,500 = .072
R-1 ratio = 7,312 / 36,000 = .203
Sum of ratio = .073 + .072 + .203 = .348 < 1 **OK**

Second Floor:

R-1 ratio = 13,922 / 36,000 = .387 < 1 **OK**

Third Floor:

R-1 ratio = 12,009 / 36,000 = .33 < 1 **OK**

Per 506.2.4 aggregate sum of ratios must not exceed 3

Thus,

Garage Flr ratio + 1st Flr ratio + 2nd Flr ratio + 3rd Flr ratio < 3
.31 + .348 + .387 + .33 = 1.375 < 3 **OK**

Provided, aggregate sum of ratios of A & R occupancies must not exceed 2

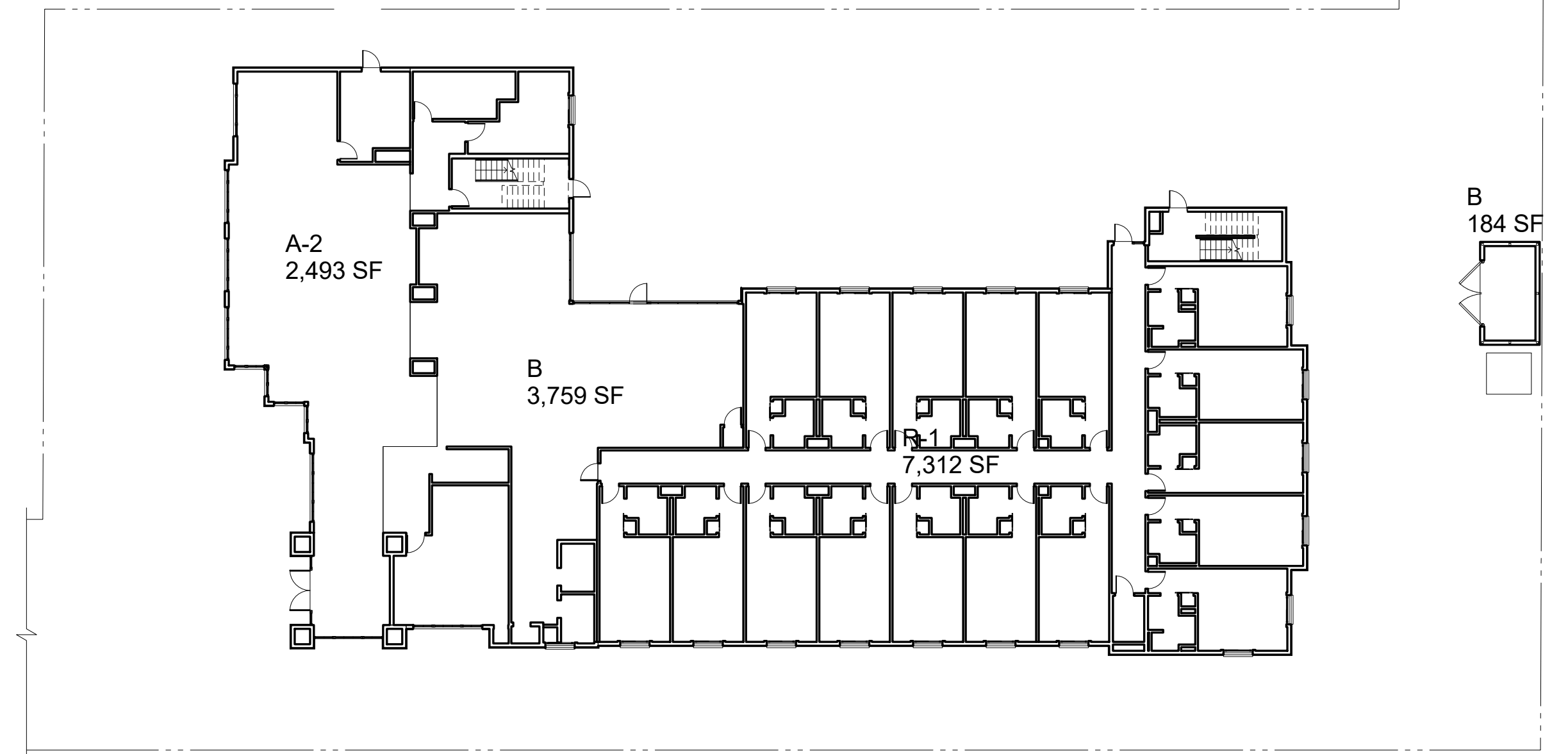
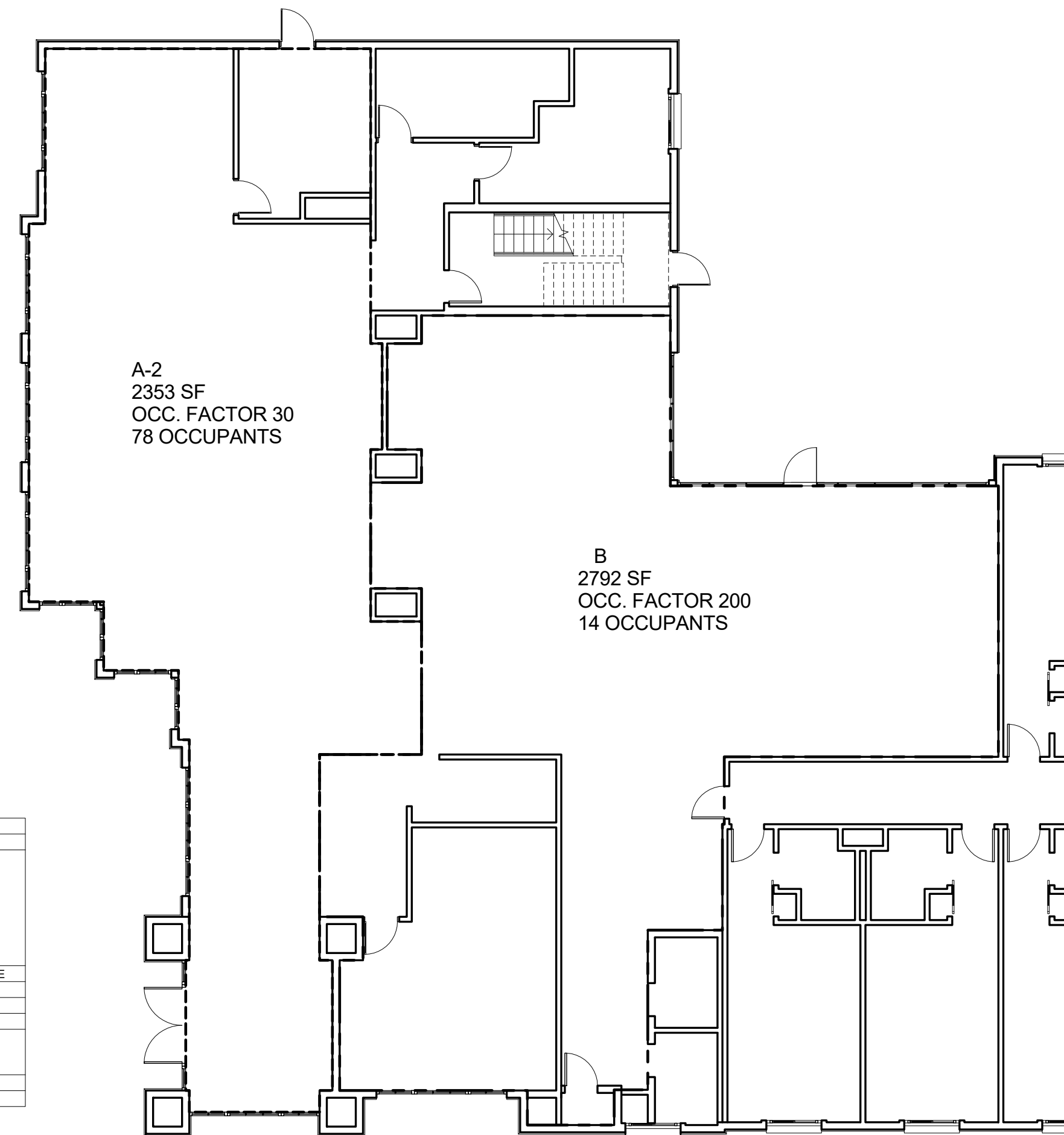
Thus,

1st Flr A & R + 2nd Flr A & R + 3rd Flr A & R ≤ 2
.072 + .203 + .387 + .33 = .992 < 2 **OK**

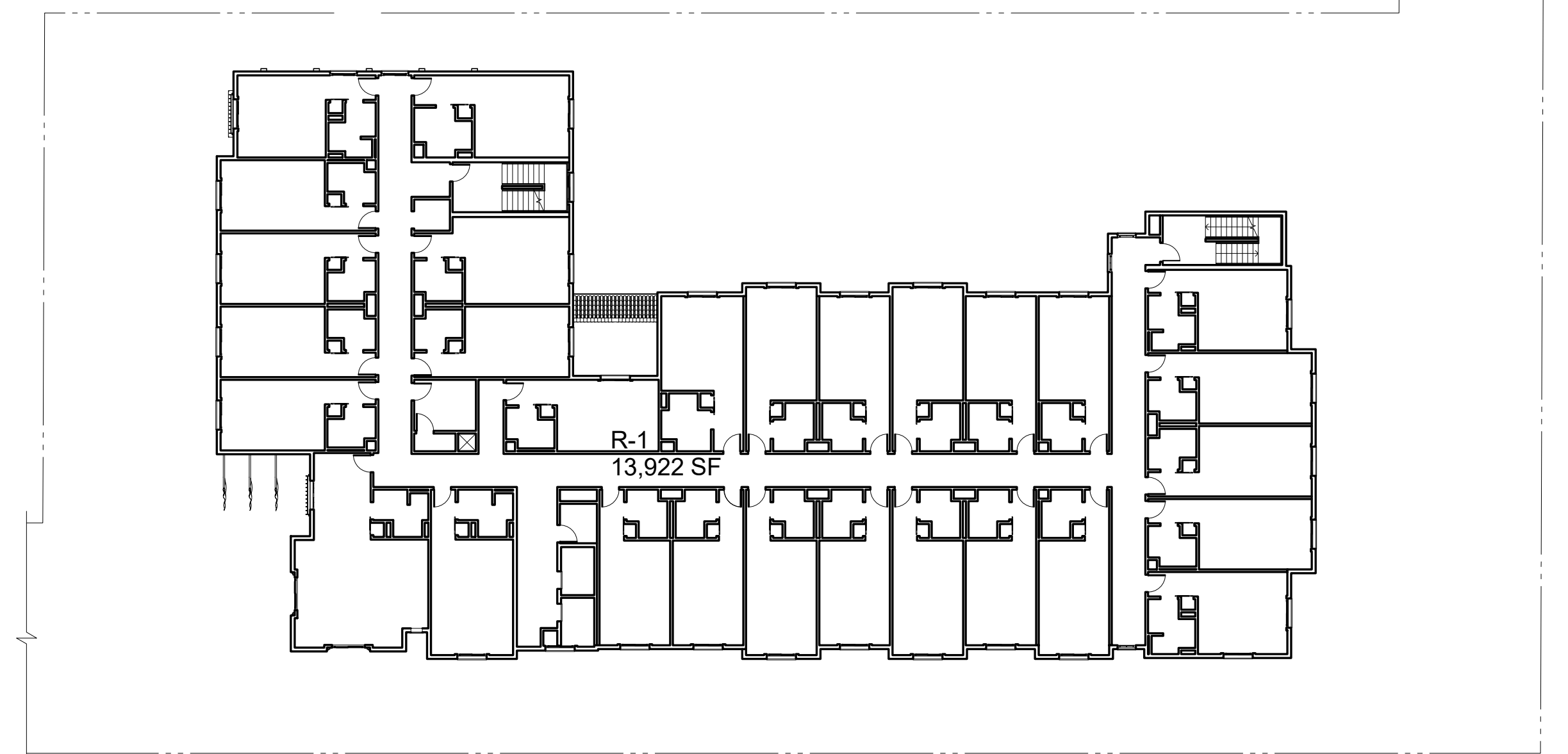
| PLUMBING FIXTURE CALCULATION | | | | |
|------------------------------|----------|---------------------|----------|------|
| A-2 OCCUPANCY | | B OCCUPANCY | | |
| TOTAL AREA | 2,353 SF | TOTAL AREA | 2,792 SF | |
| TOTAL 78 OCCUPANTS | | TOTAL 14 OCCUPANTS | | |
| ASSUME: | | ASSUME: | | |
| 39 FEMALE | | 7 FEMALE | | |
| 39 MALE | | 7 MALE | | |
| PER CPC TABLE 422.1 | | PER CPC TABLE 422.1 | | |
| | FEMALE | MALE | FEMALE | MALE |
| WC | 2 | 1 | 1 | 1 |
| LAV | 1 | 1 | 1 | 1 |
| URINAL | 0 | 1 | 0 | 1 |
| DRINK FTN | 1 | | 1 | |
| SVC SINK | 1 | | 1 | |

② PLUMBING CALCULATION
3/32" = 1'-0"

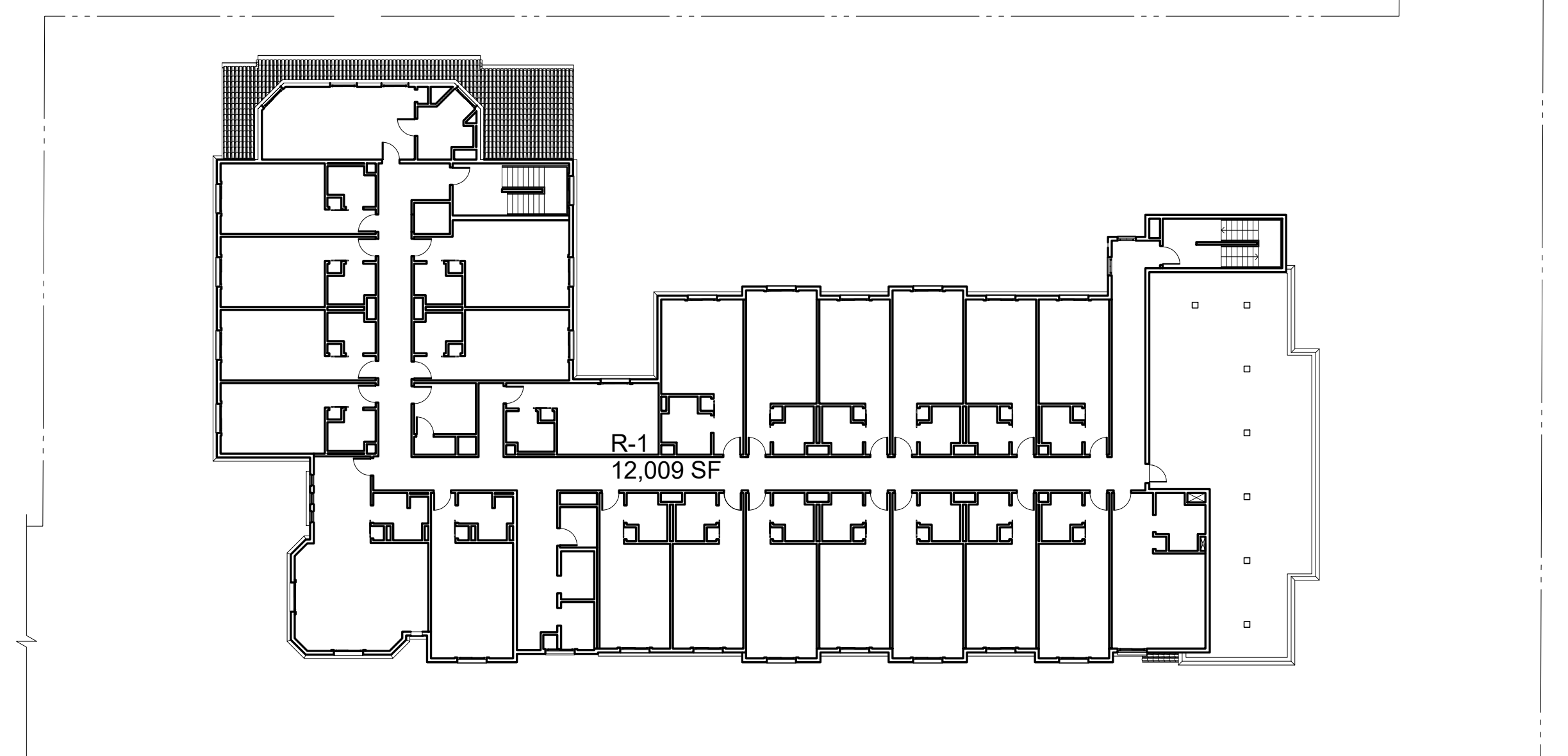
① ALLOWABLE AREA CALCULATION
3/64" = 1'-0"



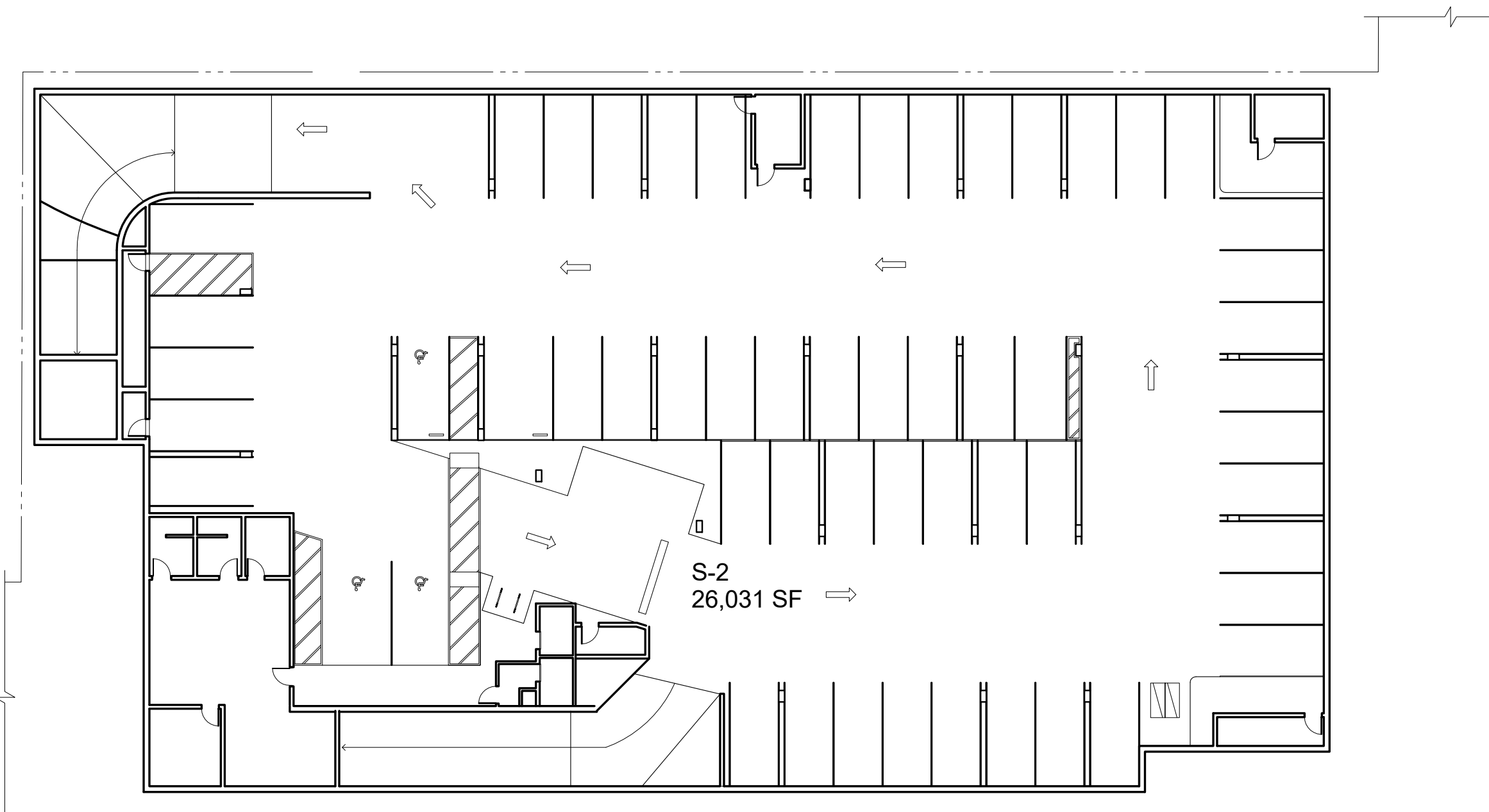
FIRST FLOOR



SECOND FLOOR



THIRD FLOOR



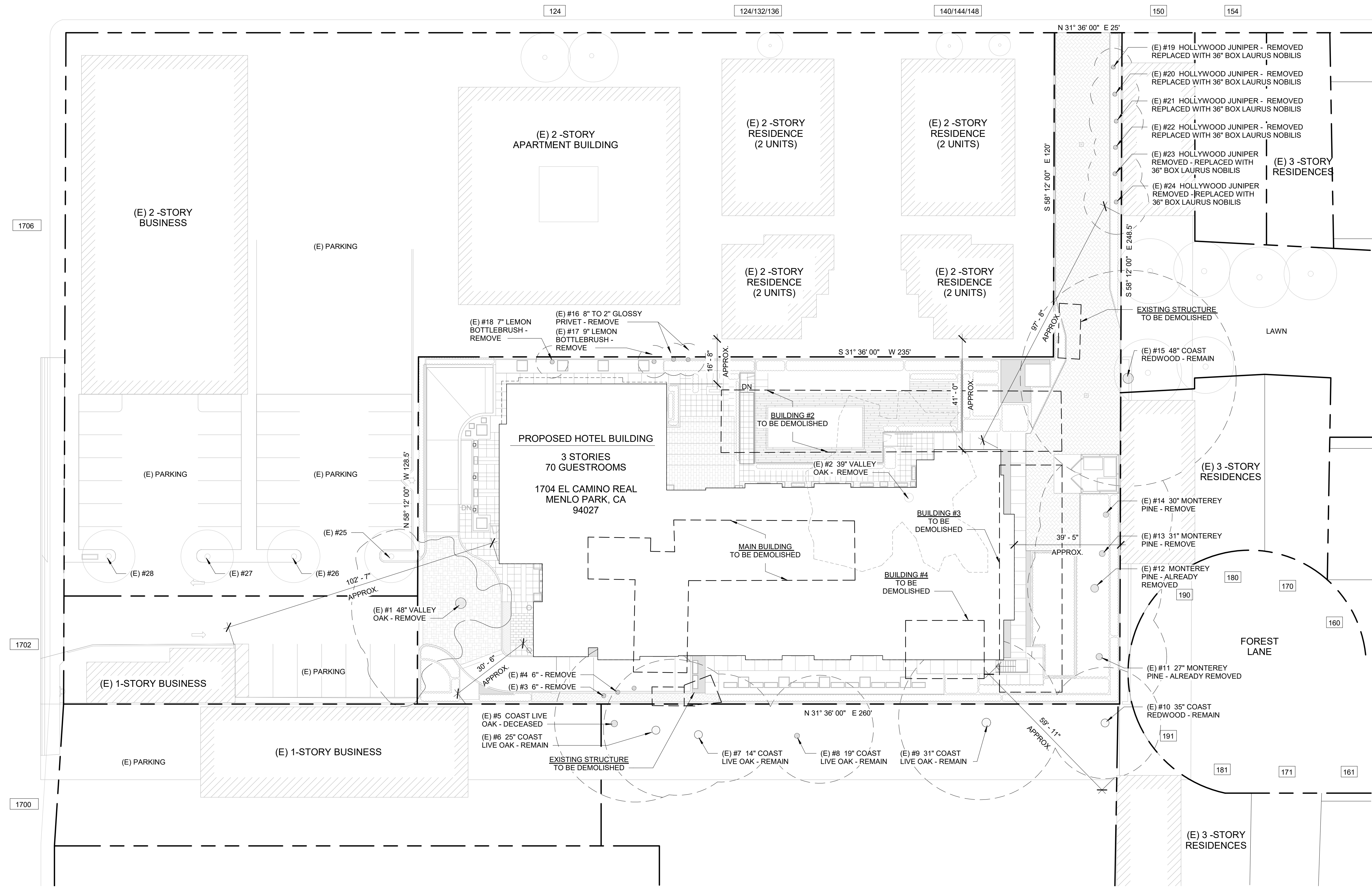
GARAGE FLOOR

BUILDING CODE CALCULATIONS

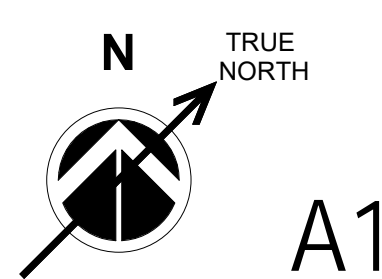
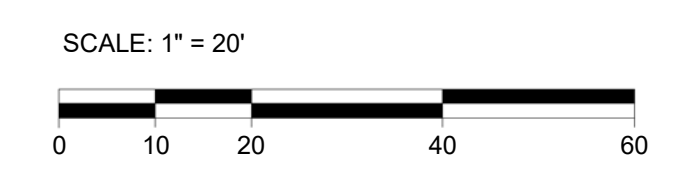


BUCKTHORN WAY

EL CAMINO REAL



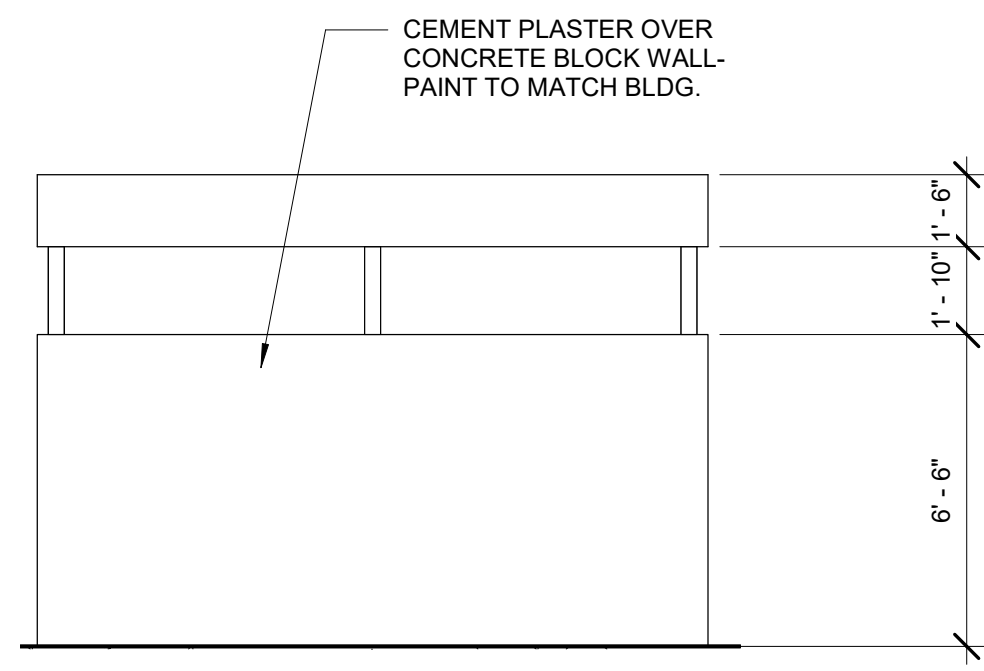
AREA PLAN



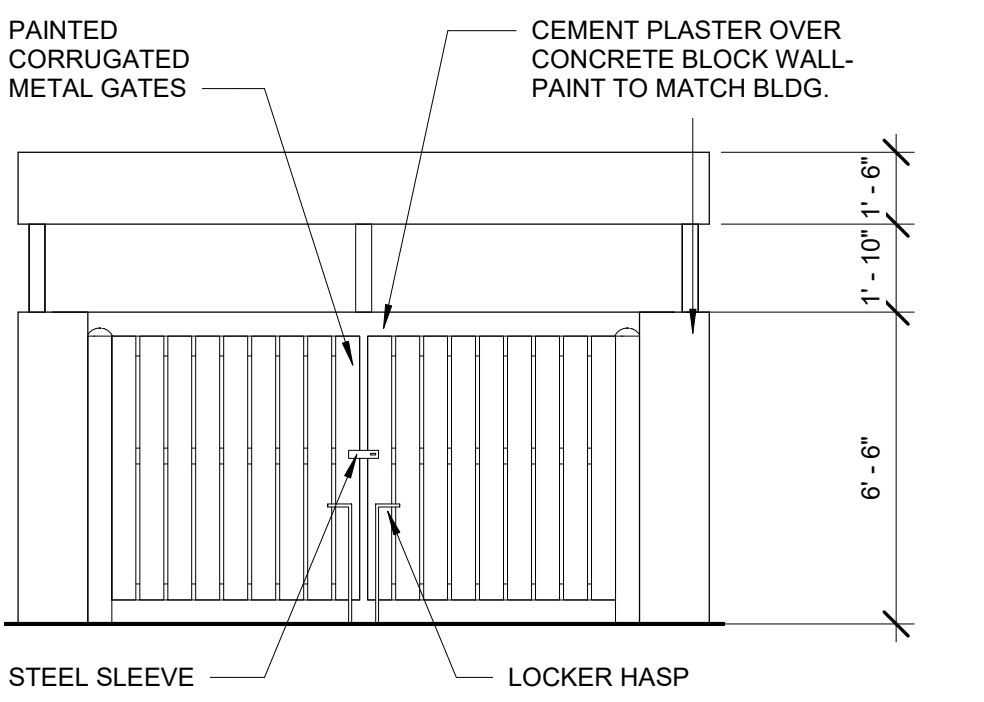
A1



BUCKTHORN WAY

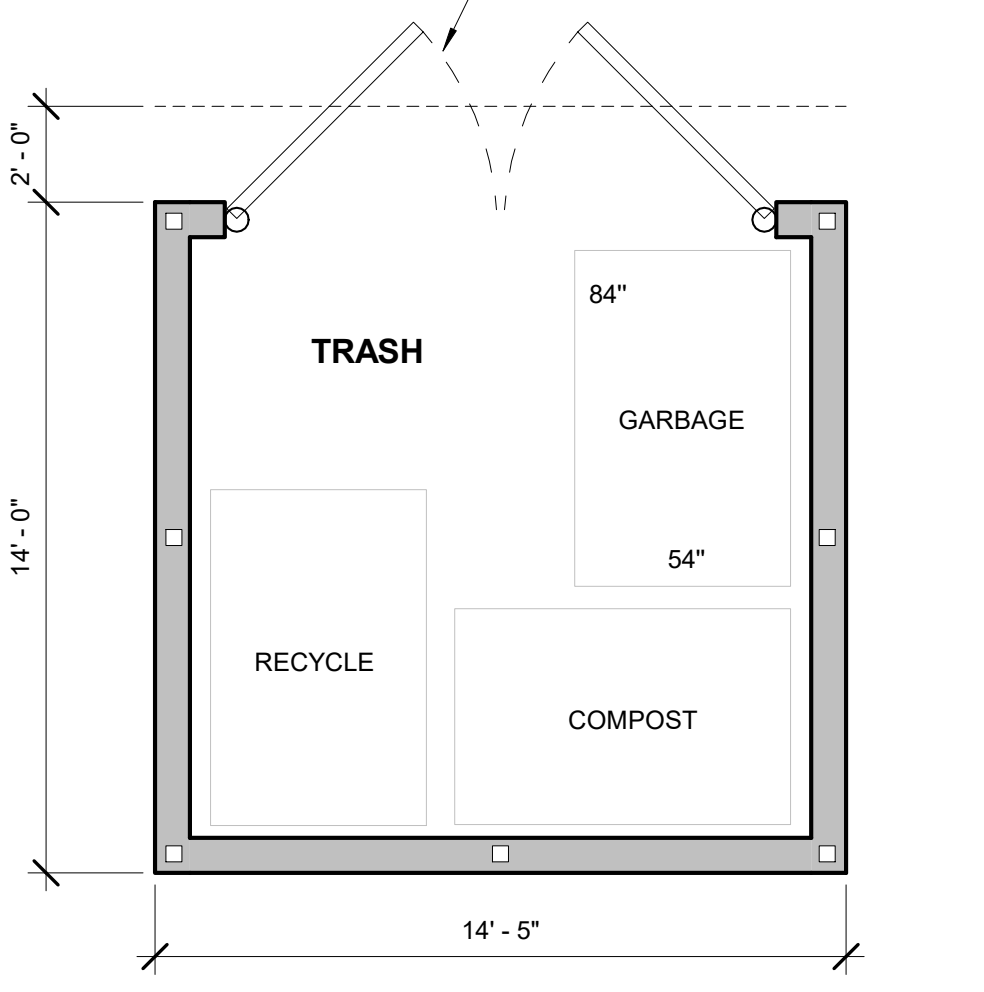


1 TRASH ENCLOSURE - FRONT ELEVATION
1/4" = 1'-0"



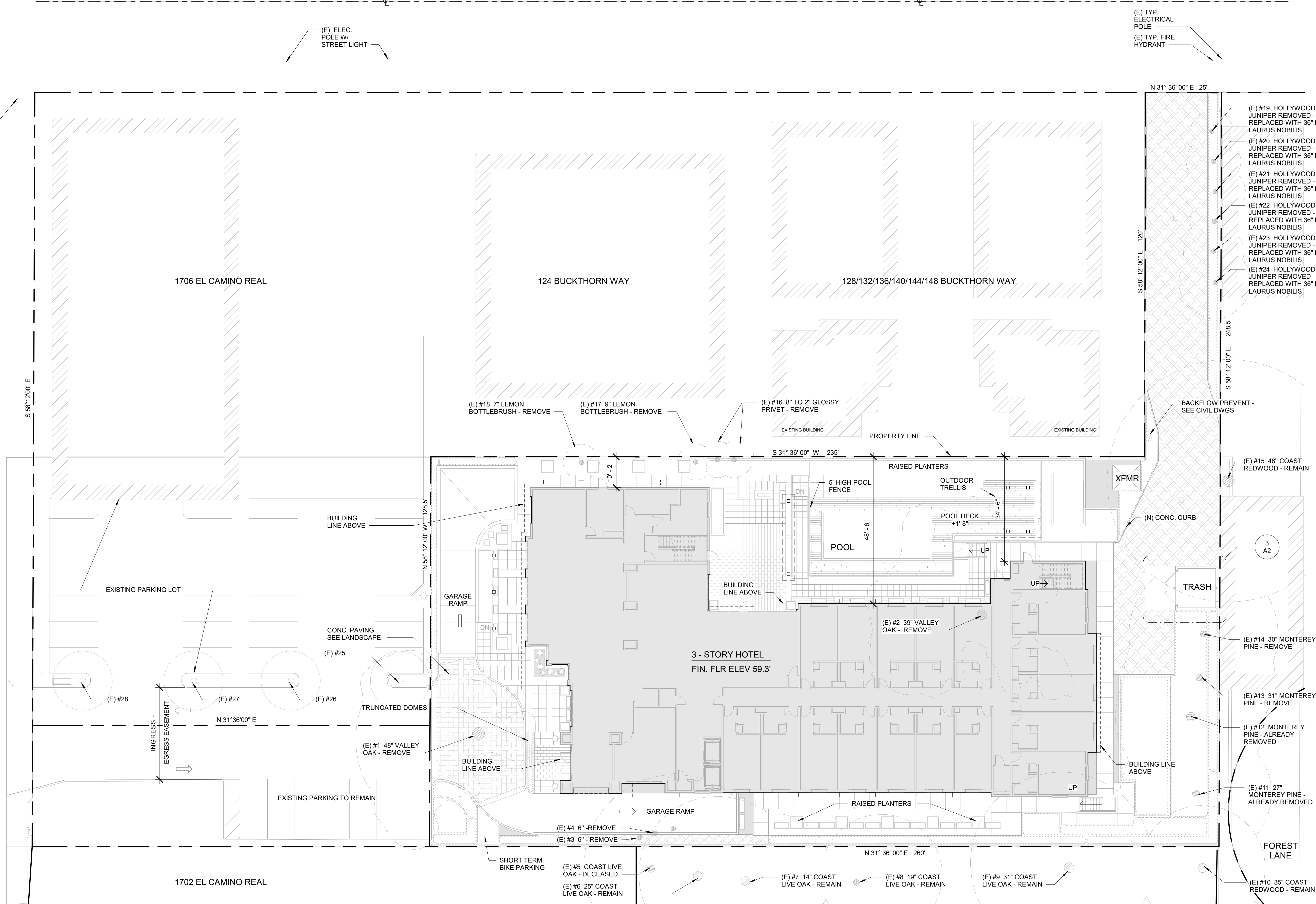
2 TRASH ENCLOSURE - SIDE ELEVATION
1/4" = 1'-0"

NOTE:
COORDINATE DRAINAGE REQUIREMENTS WITH HEALTH INSPECTOR.

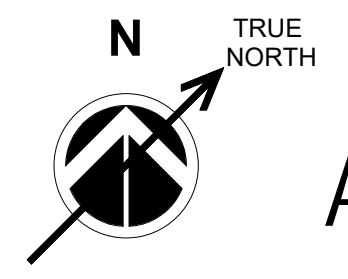
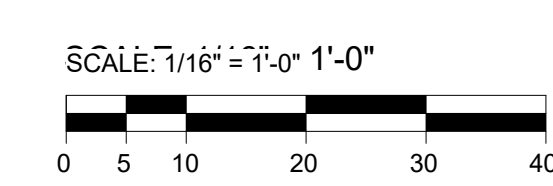


3 TRASH ENCLOSURE PLAN
1/4" = 1'-0"

EL CAMINO REAL

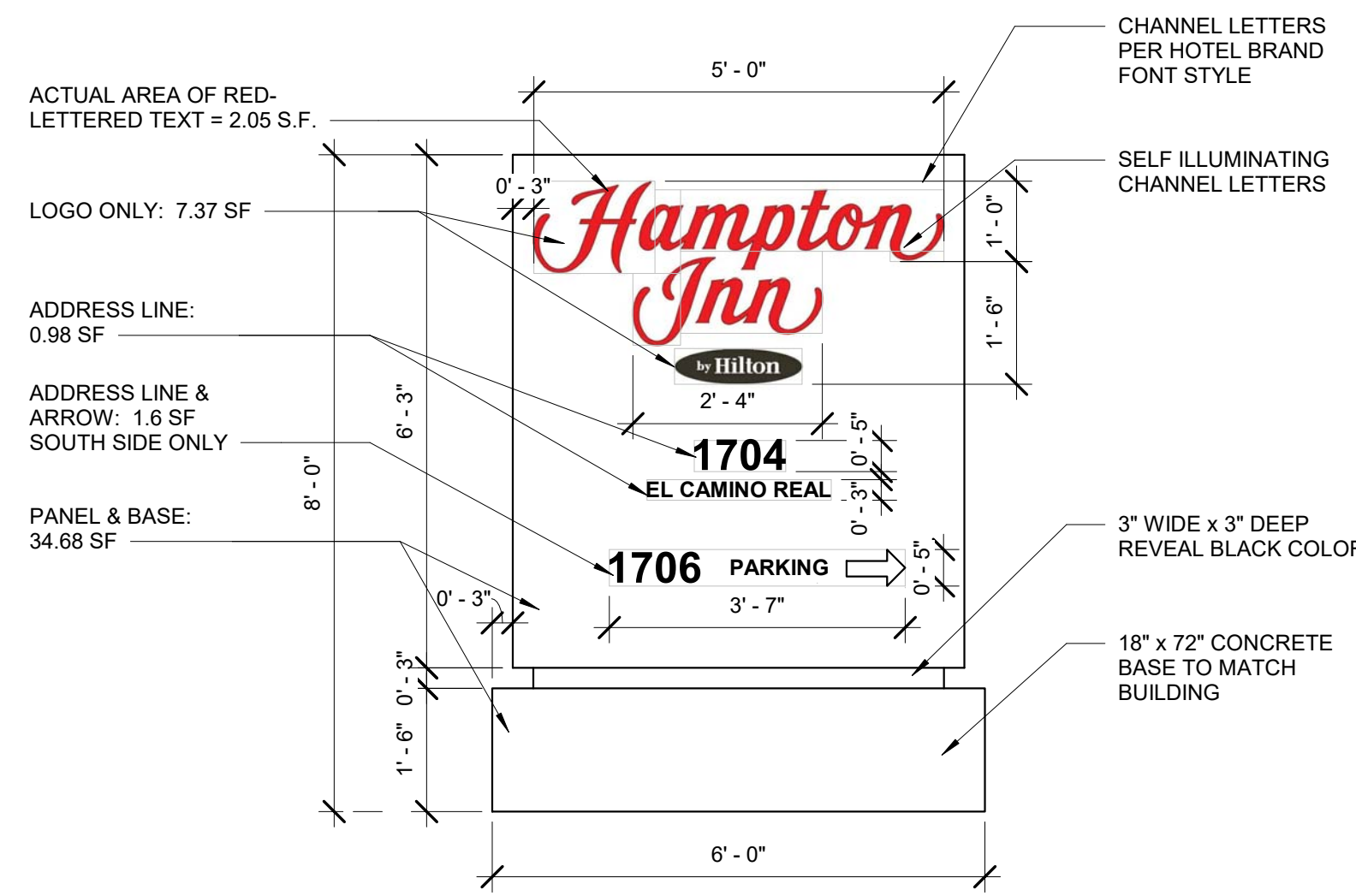


SITE PLAN

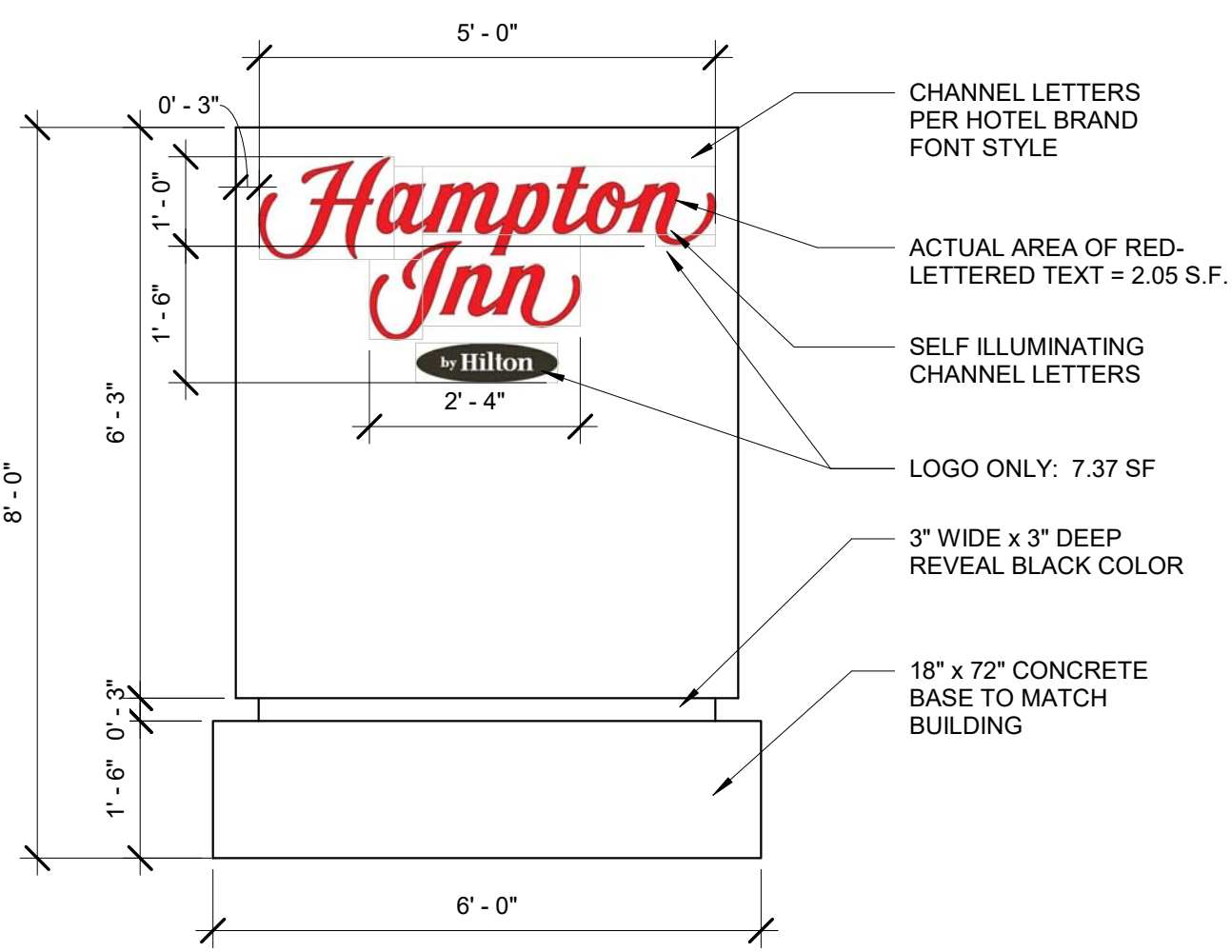


A2

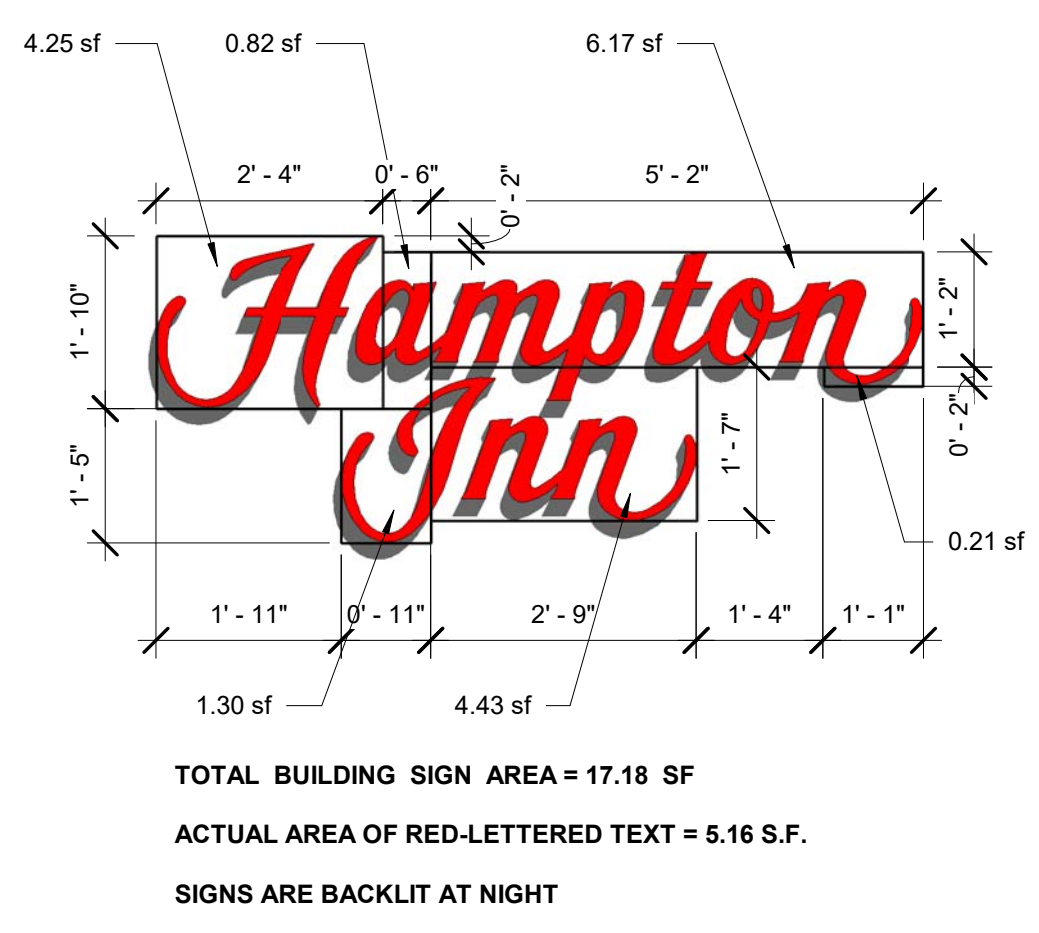




MONUMENT SIGN - FRONT ELEVATION - FACING ENTRY DRIVE



MONUMENT SIGN - BACK ELEVATION - FACING PARKING



BUILDING SIGN - FRONT ELEVATION



BUILDING FRONTAGE FOR SIGN = 97'
PER SIGN GUIDELINE TABLE
USE MAX FRONTAGE = 80' or 100 s.f. SIGN AREA

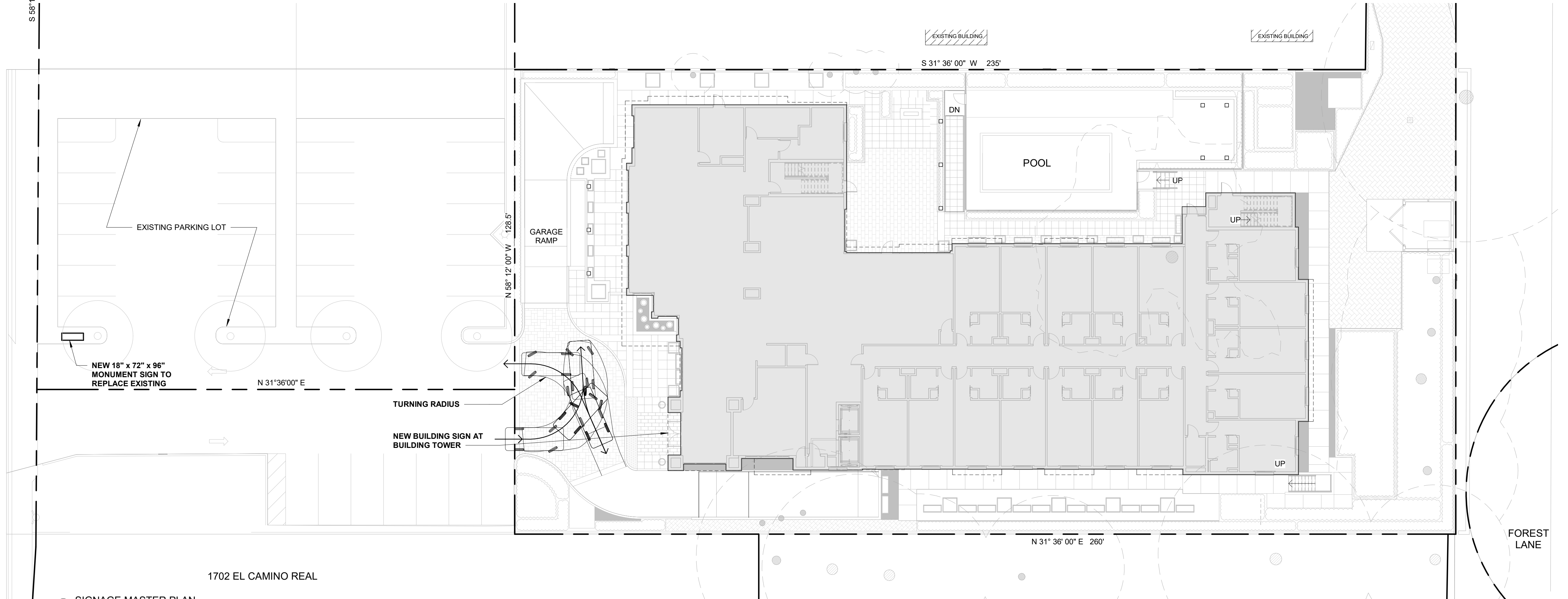
AREA OF RED-LETTERED TEXT ON ALL SIGNS

| | |
|--------------------------|------------------|
| MONUMENT SIGN (2 sides): | 4.10 s.f. |
| BUILDING SIGN: | 5.16 s.f. |
| TOTAL RED TEXT | 9.26 s.f. |

TOTAL AREA ALL SIGNS
MONUMENT + BLDG = (5x8) x 2 + 17.18 = 97.18 s.f.
PERCENTAGE RED LETTERS = 9.26 / 97.18 = 9.52 %

"HAMPTON INN" IS A BRAND LOGO OF HILTON CORPORATION. THE BRAND HAS SIZE, COLOR & LOCATION REQUIREMENTS FOR MONUMENT SIGNS AND EXTERIOR BUILDING SIGNS.
 HAMPTON INN EXTERIOR BUILDING LETTERS ARE RED PER BRAND STANDARDS.

EL CAMINO REAL

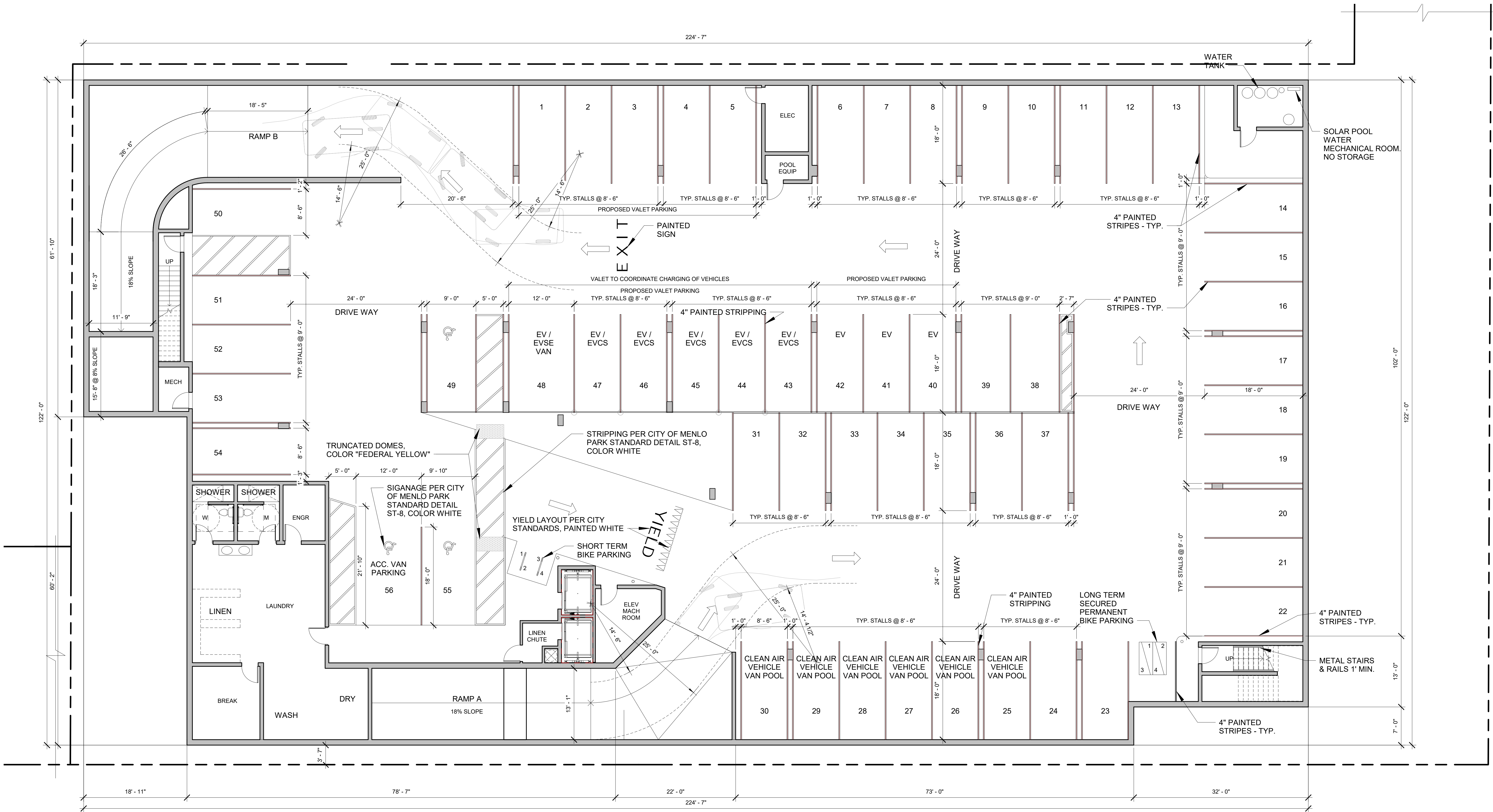


1 SIGNAGE MASTER PLAN
 1/16" = 1'-0"

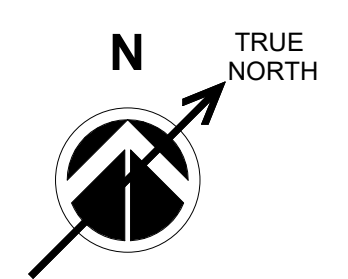
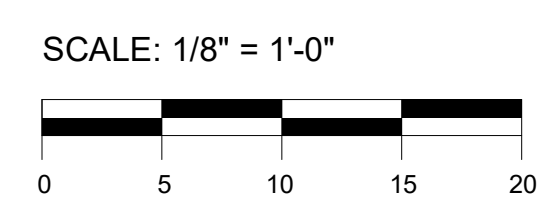
SIGNAGE MASTER PLAN

A2.1



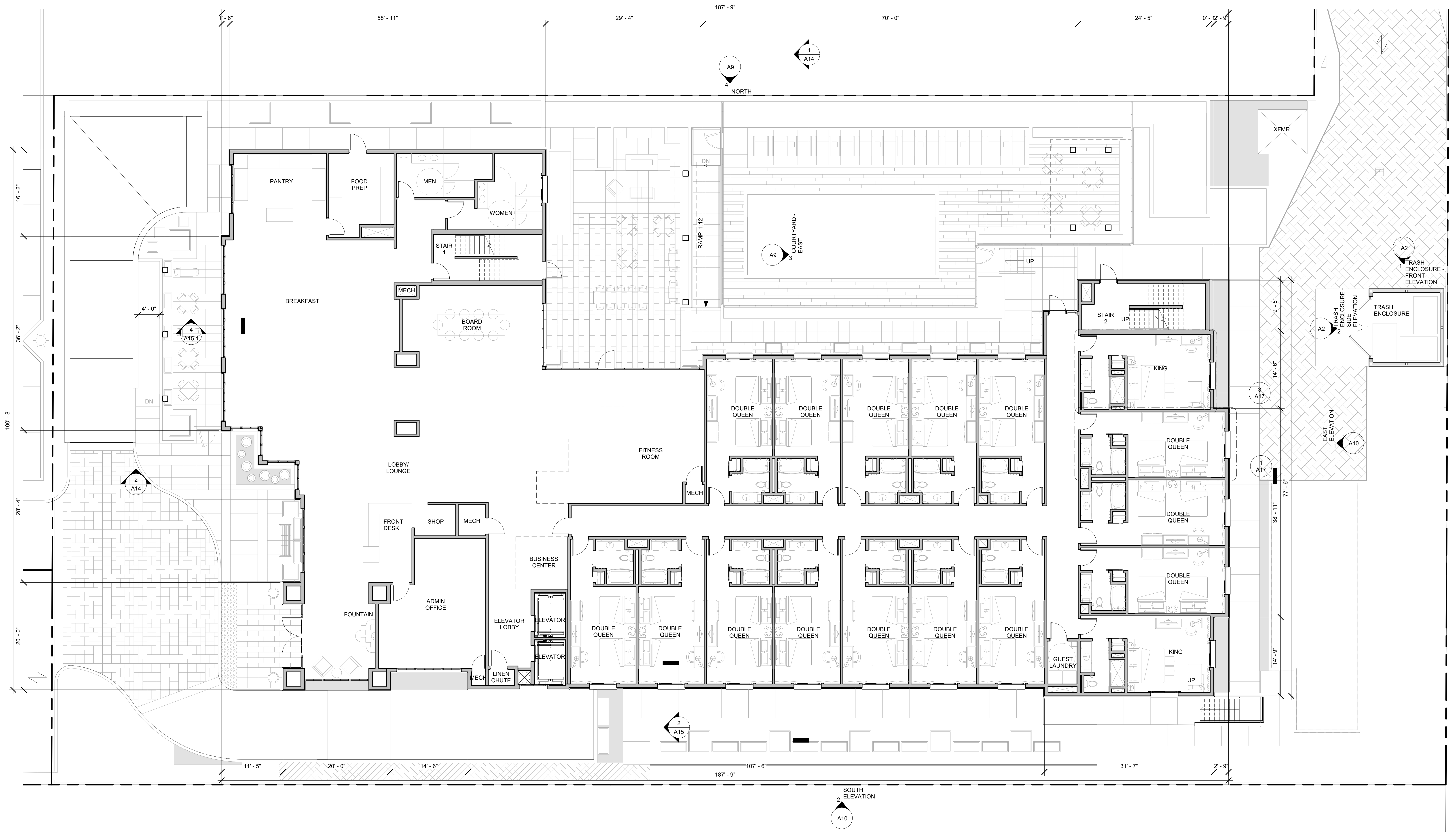


GARAGE PLAN

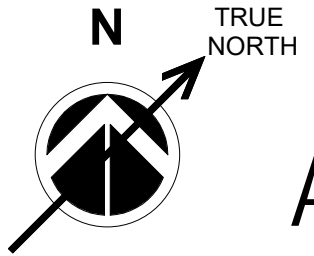
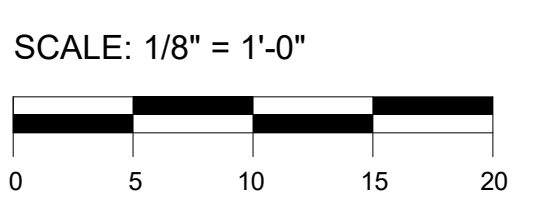


A3





FIRST FLOOR PLAN

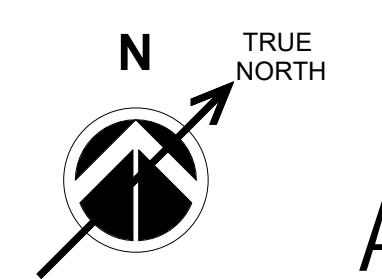
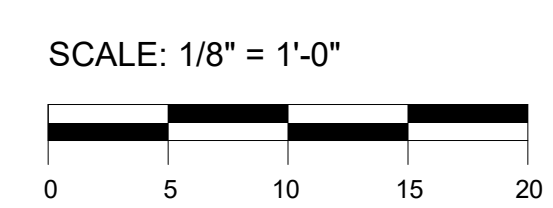


A4





SECOND FLOOR PLAN

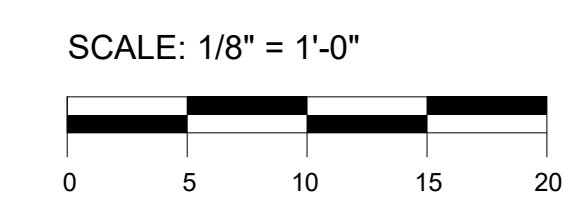


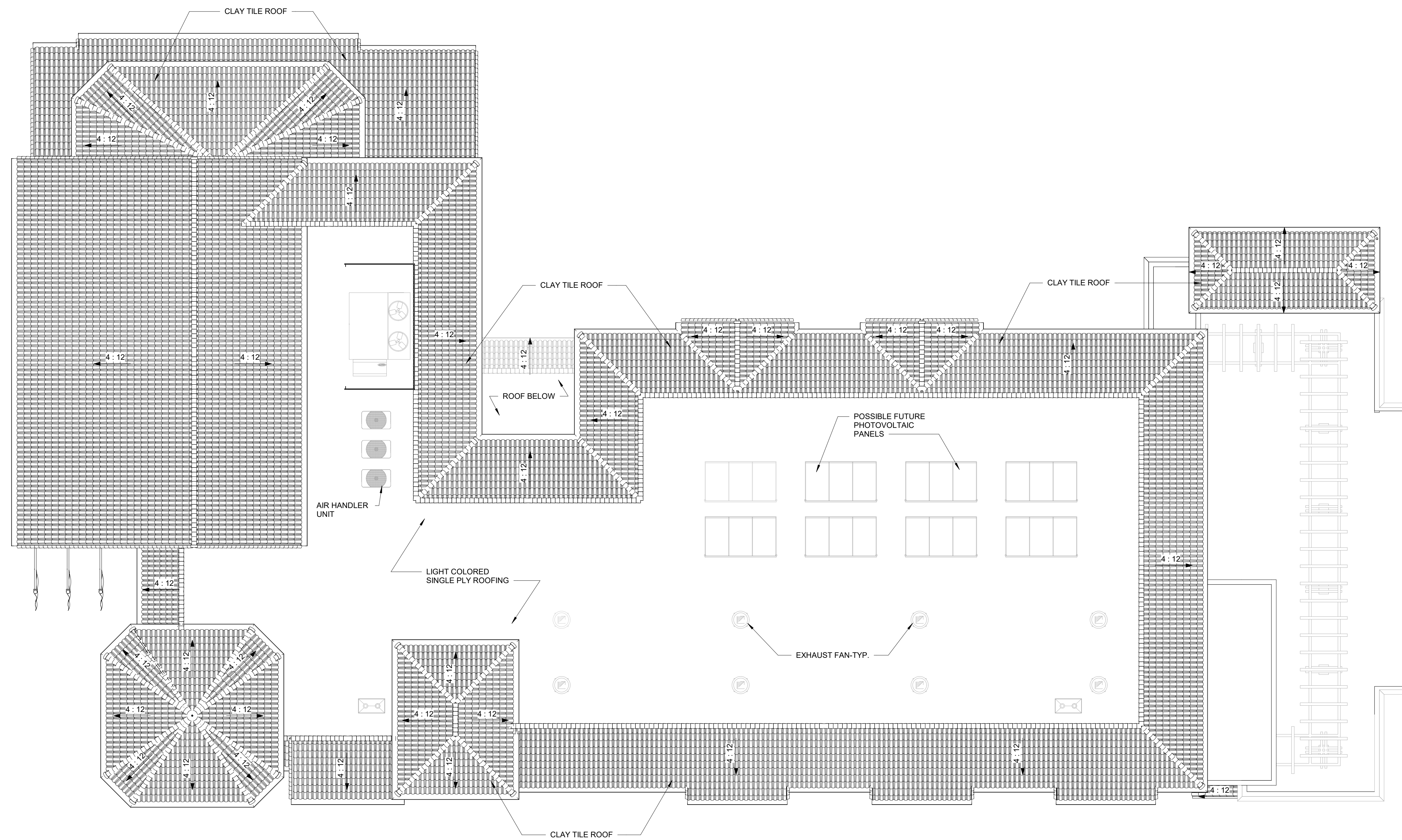
A5



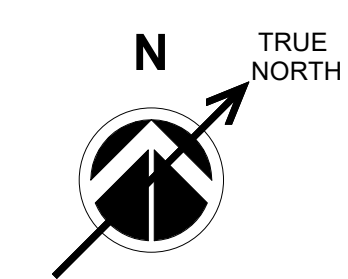
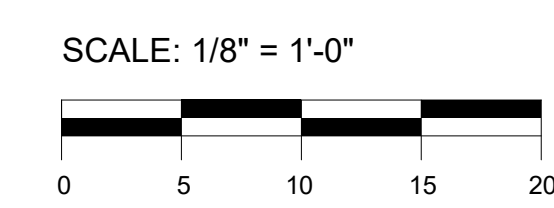


THIRD FLOOR PLAN





ROOF PLAN



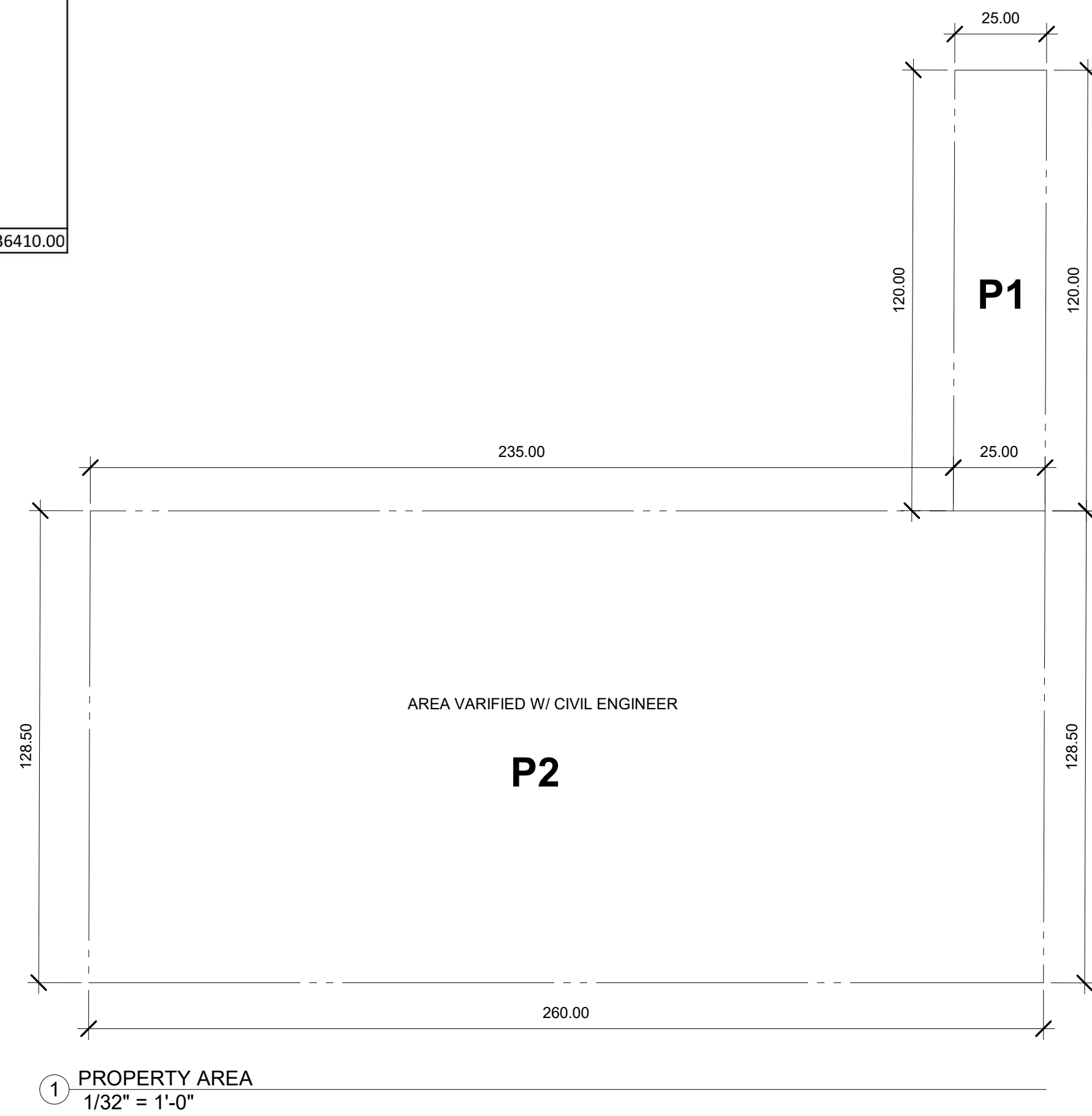
A7



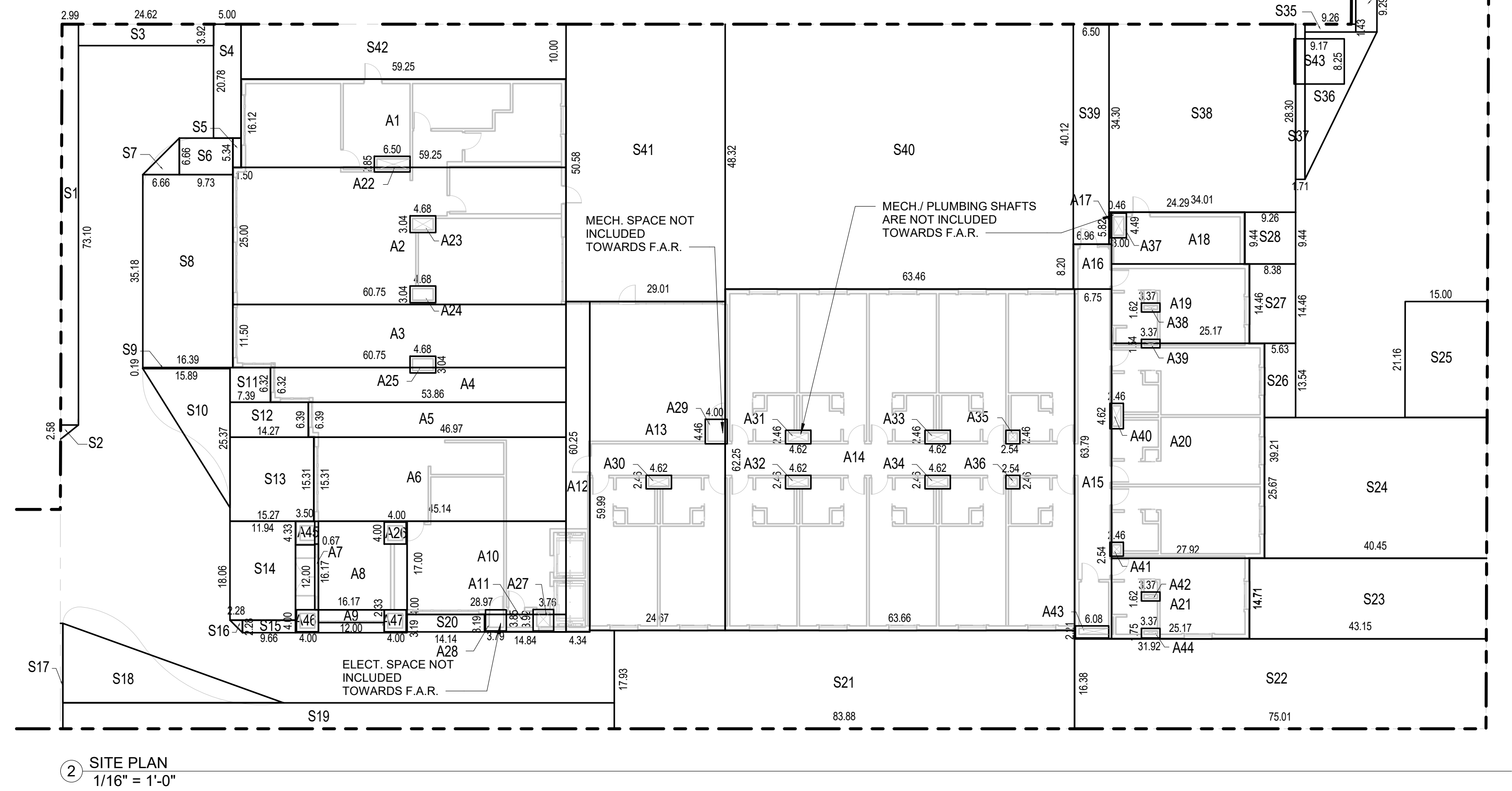
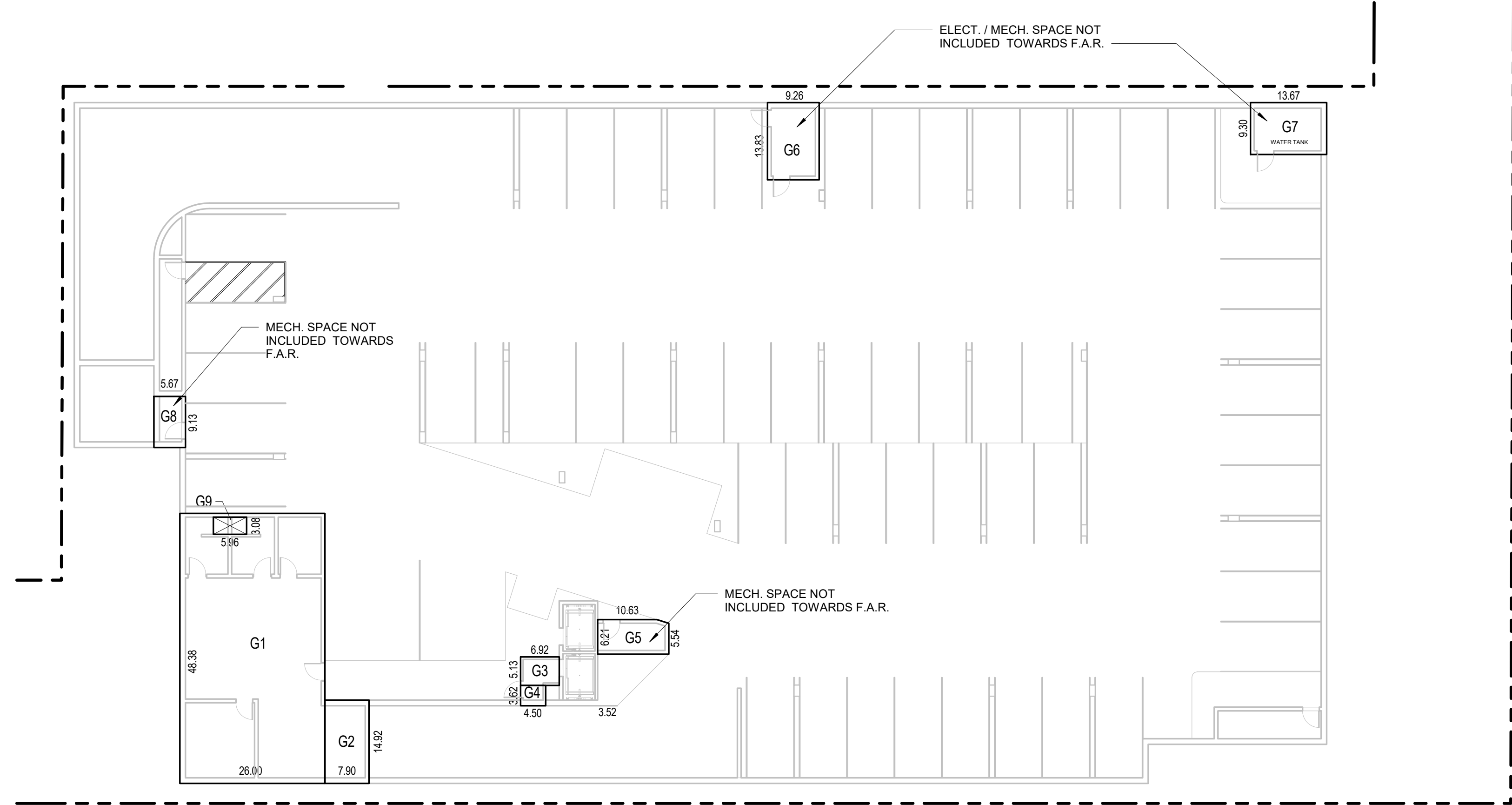
| Area # | Levels | | | | | Property P* |
|--------|-----------|--------------|--------------|--------------|--------------|-------------|
| | Garage G* | Open Space S | 1st Floor A* | 2nd Floor B* | 3rd Floor C* | |
| 1 | 1257.8 | 227.9 | 955.4 | 866.6 | 133.1 | 3000.0 |
| 2 | 117.9 | 4.2 | 1518.5 | 3197.3 | 339.1 | 33410.0 |
| 3 | 35.5 | 96.4 | 698.8 | 523.3 | 10.1 | |
| 4 | 16.3 | 103.9 | 340.5 | 20.8 | 10.1 | |
| 5 | 78.5 | 8.0 | 300.0 | 20.9 | 3197.3 | |
| 6 | 128.1 | 64.8 | 704.0 | 11.4 | 237.2 | |
| 7 | 127.1 | 22.2 | 8.0 | 17.7 | 3.3 | |
| 8 | 51.8 | 576.7 | 261.4 | 16.8 | 38.3 | |
| 9 | -18.4 | 3.1 | 28.0 | 17.7 | 3.3 | |
| 10 | | 201.5 | 492.6 | 112.5 | 38.3 | |
| 11 | | 46.7 | 47.3 | 553.7 | 3.3 | |
| 12 | | 91.2 | 261.6 | 332.3 | 303.3 | |
| 13 | | 233.9 | 1479.8 | 198.0 | 112.5 | |
| 14 | | 215.6 | 3963.3 | 148.2 | 553.7 | |
| 15 | | 22.0 | 430.6 | 2191.9 | 332.3 | |
| 16 | | 2.6 | 57.0 | 3026.2 | 198.0 | |
| 17 | | 8.9 | 2.7 | 21.5 | 148.2 | |
| 18 | | 291.7 | 229.2 | 21.5 | 2191.9 | |
| 19 | | 474.2 | 363.9 | 23.2 | 3026.2 | |
| 20 | | 45.0 | 1094.6 | 23.2 | 21.5 | |
| 21 | | 1374.5 | 370.2 | 23.1 | 21.5 | |
| 22 | | 1229.6 | -18.6 | 36.5 | 23.2 | |
| 23 | | 635.1 | -14.2 | 230.4 | 23.2 | |
| 24 | | 1039.5 | -14.2 | 205.3 | 23.1 | |
| 25 | | 317.1 | -14.2 | 183.5 | 39.7 | |
| 26 | | 76.3 | -16.0 | 1735.1 | 242.6 | |
| 27 | | 121.2 | -14.7 | 165.2 | 230.2 | |
| 28 | | 87.4 | -14.6 | -5.5 | 34.9 | |
| 29 | | 422.7 | -17.8 | -5.2 | 475.8 | |
| 30 | | 28.5 | -11.4 | -6.2 | -14.4 | |
| 31 | | 5.2 | -11.4 | -8.9 | -6.7 | |
| 32 | | 72.2 | -11.4 | -7.3 | -10.8 | |
| 33 | | 28.1 | -11.4 | -45.1 | -6.8 | |
| 34 | | 36.1 | -11.4 | -11.4 | -45.1 | |
| 35 | | 13.2 | -6.2 | -11.4 | -11.4 | |
| 36 | | 176.2 | -6.2 | -6.2 | -11.4 | |
| 37 | | 48.4 | -13.4 | -30.6 | -6.2 | |
| 38 | | 1166.6 | -5.5 | -16.0 | -30.6 | |
| 39 | | 260.8 | -5.2 | -5.5 | -16.0 | |
| 40 | | 3066.5 | -11.4 | -5.2 | -5.5 | |
| 41 | | 1467.2 | -6.2 | -5.5 | -5.2 | |
| 42 | | 592.5 | -5.5 | -5.2 | -5.5 | |
| 43 | | -75.6 | -13.4 | -6.2 | -5.2 | |
| 44 | | | -5.9 | -21.4 | -6.2 | |
| 45 | | | 15.2 | -6.0 | -21.4 | |
| 46 | | | 16.0 | -7.9 | -6.0 | |
| 47 | | | 16.0 | -11.4 | -7.9 | |
| 48 | | | -11.4 | -11.4 | -11.4 | |
| 49 | | | -11.4 | -11.4 | -11.4 | |
| 50 | | | -11.4 | -11.4 | -11.4 | |
| 51 | | | -11.4 | -11.4 | -11.4 | |
| 52 | | | -6.2 | -11.4 | -11.4 | |
| 53 | | | -6.2 | -6.2 | -6.2 | |
| 54 | | | -13.4 | -6.2 | -6.2 | |
| 55 | | | -5.5 | -11.9 | -11.9 | |
| 56 | | | -5.2 | -7.0 | -7.0 | |
| 57 | | | -11.4 | -13.4 | -13.4 | |
| 58 | | | -6.2 | -13.9 | -13.9 | |
| 59 | | | -5.5 | -5.5 | -5.5 | |
| 60 | | | -5.9 | -5.9 | -5.9 | |
| 61 | | | -13.9 | -13.9 | -13.9 | |
| Total | 1409.12 | 14929.86 | 13346.98 | 13570.67 | 11677.41 | 36410.00 |

| F.A.R. CALCULATIONS | |
|-----------------------|------------------------------|
| Total Building Area | 40004.18 |
| Total Site Area | 36410.00 |
| TOTAL F.A.R. | 1.099 |
| Total Open Space Area | 14929.86 41.005% ±30% |
| Total Nonusable Space | 965.81 2.414% ±3% |
| Nonusable Mech Space | 400.04 1.000% ±1% |

* Count towards F.A.R. ^ Count towards Mech/Elec space
 Note: G5 to G8, A28 to A29, A44, B33, B37, C34 and C38 are the mechanical /electrical space with noise generating equipments;
 G9, A22 to A27, A30 to A47, B28 to B32, B34 to B36, B38 to B61, C3C to C33, C35 to C37 and C39 to C58 are the mechanical/plumbing shafts.

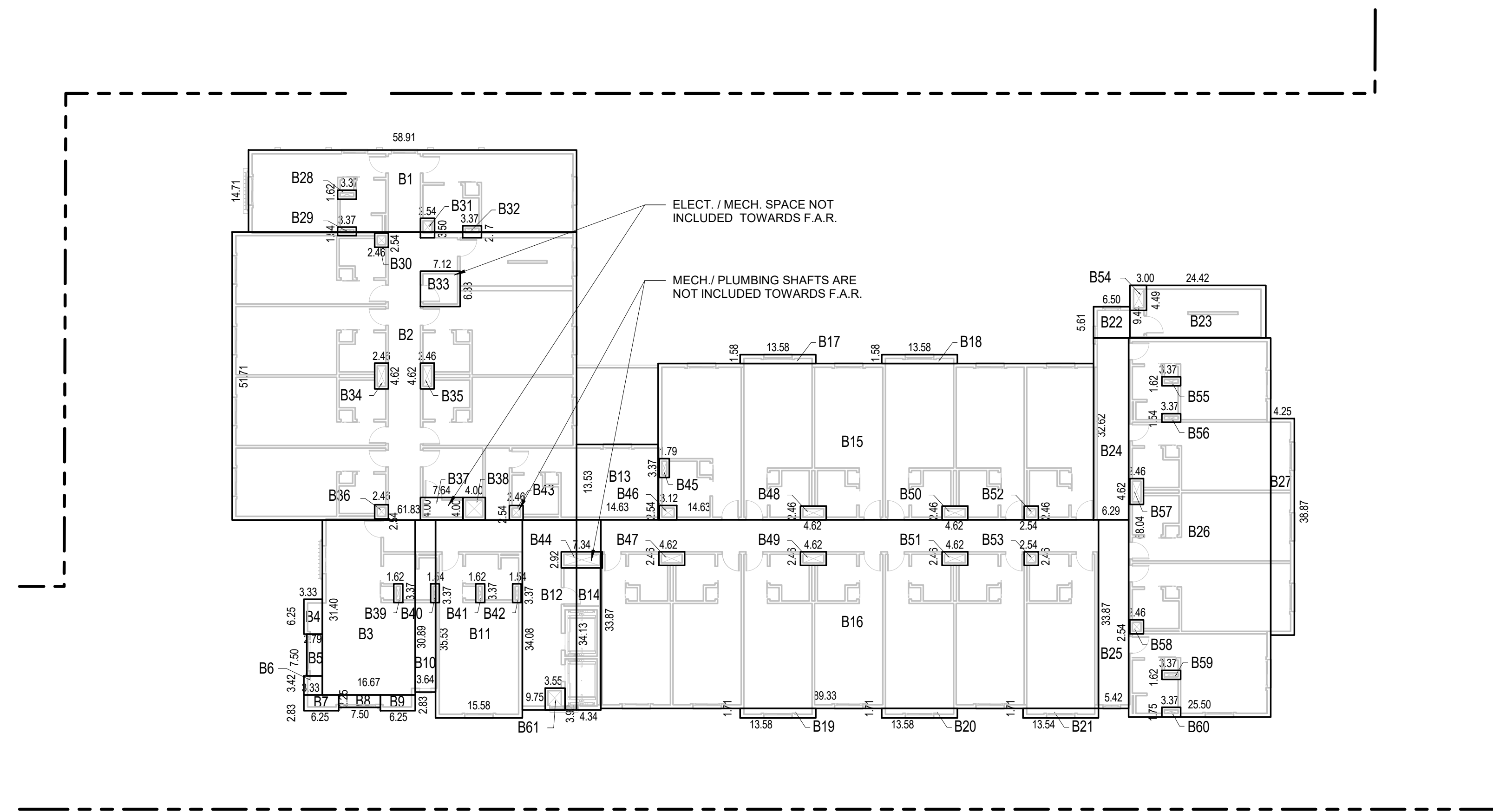


3 GARAGE PLAN
1/16" = 1'-0"

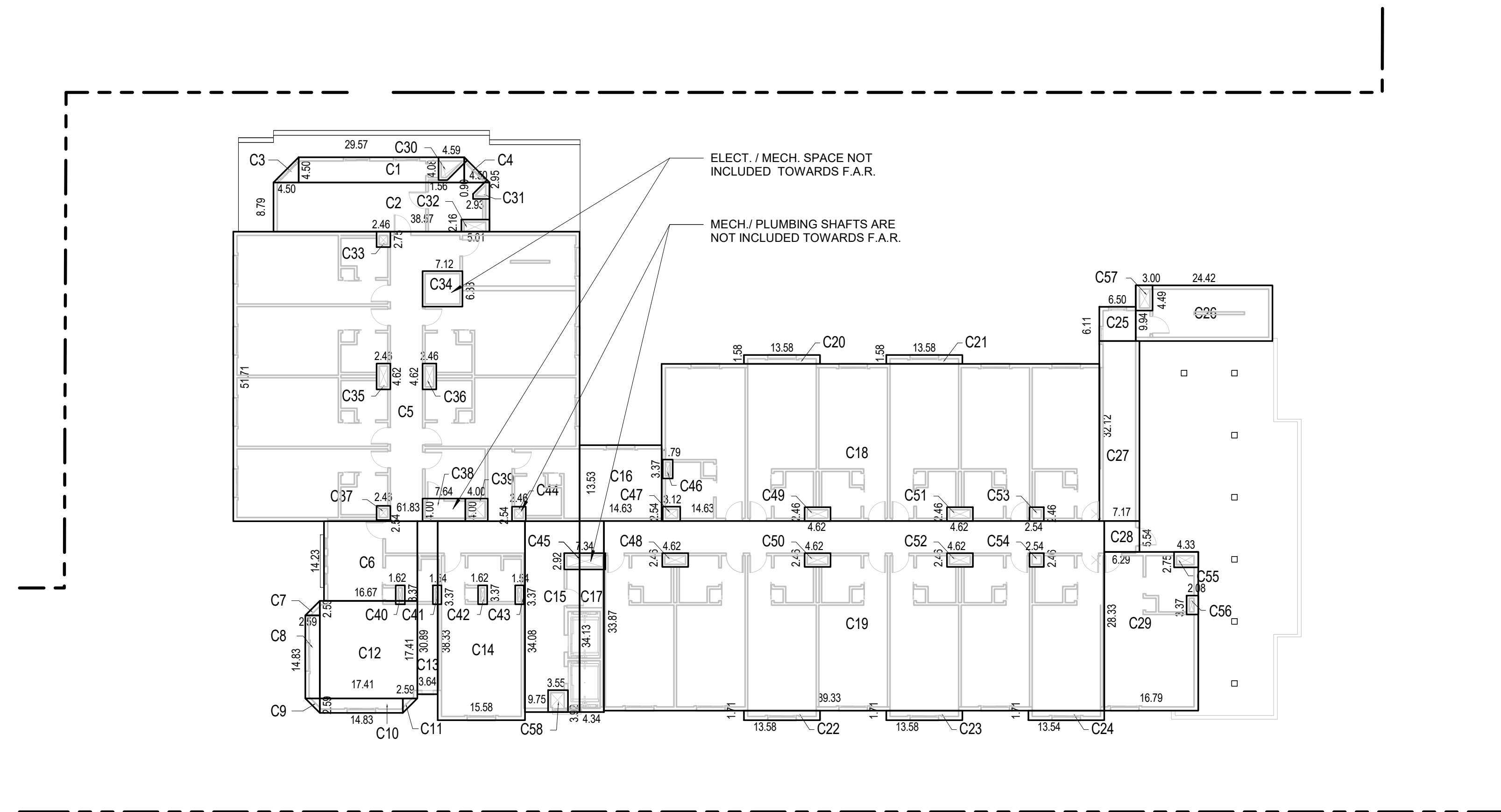


BUILDING AREA CALCULATIONS





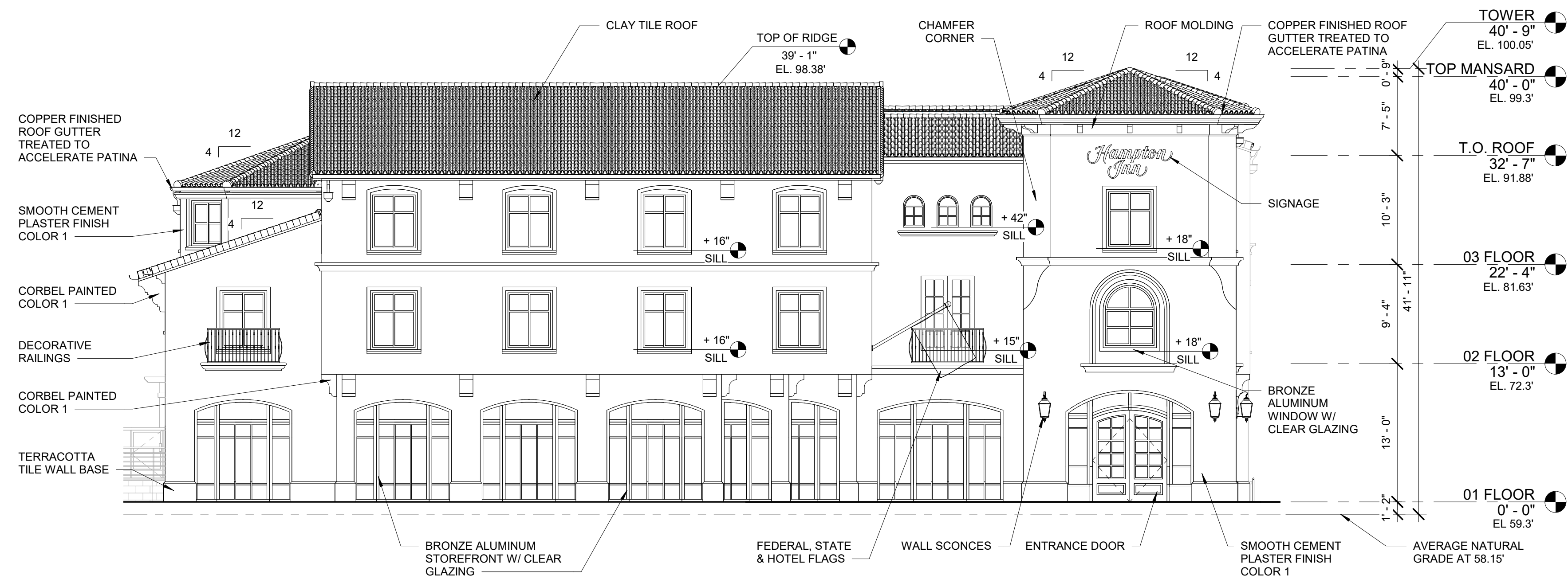
① SECOND FLOOR AREA PLAN
1/16" = 1'-0"



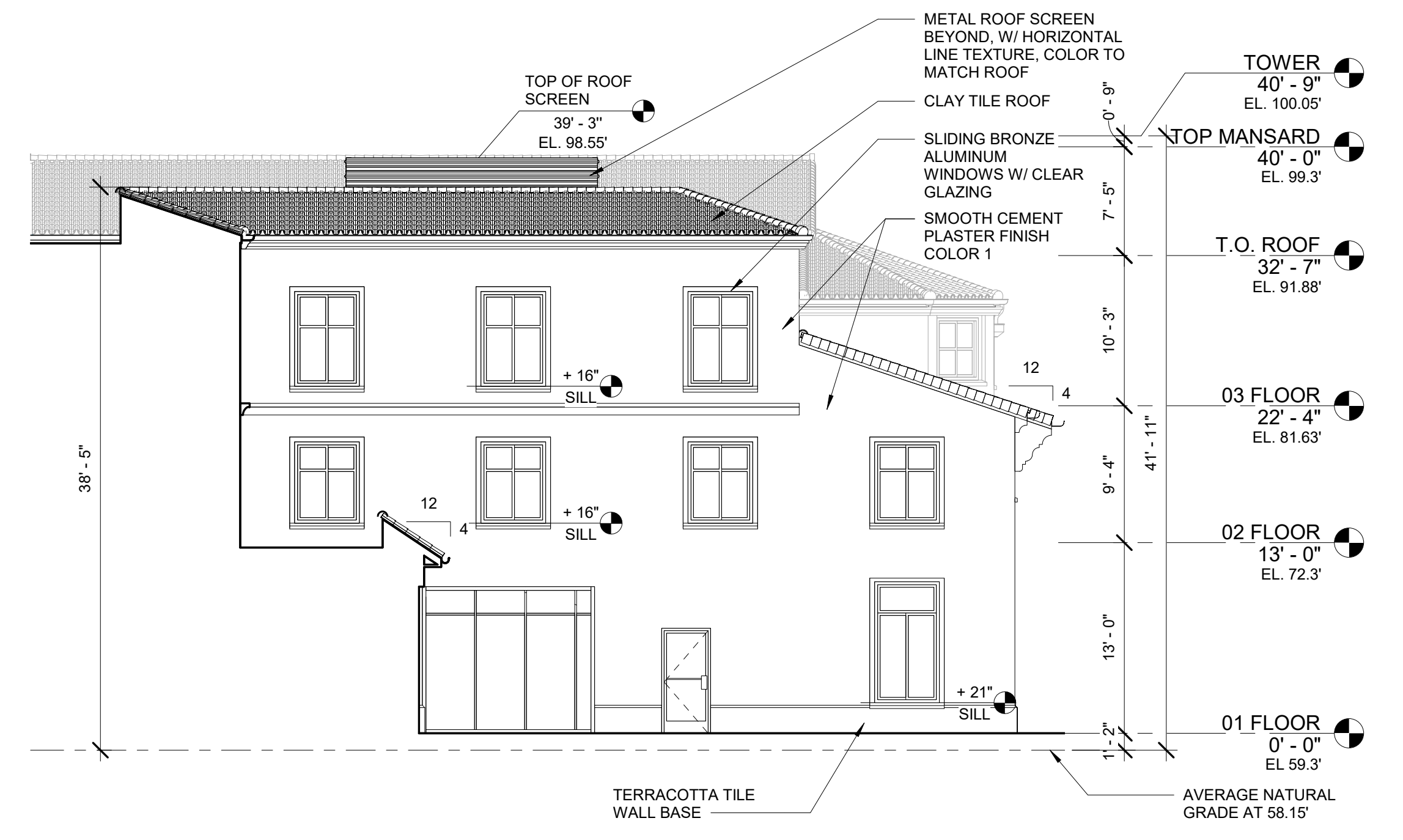
② THIRD FLOOR AREA PLAN
1/16" = 1'-0"

BUILDING AREA CALCULATIONS

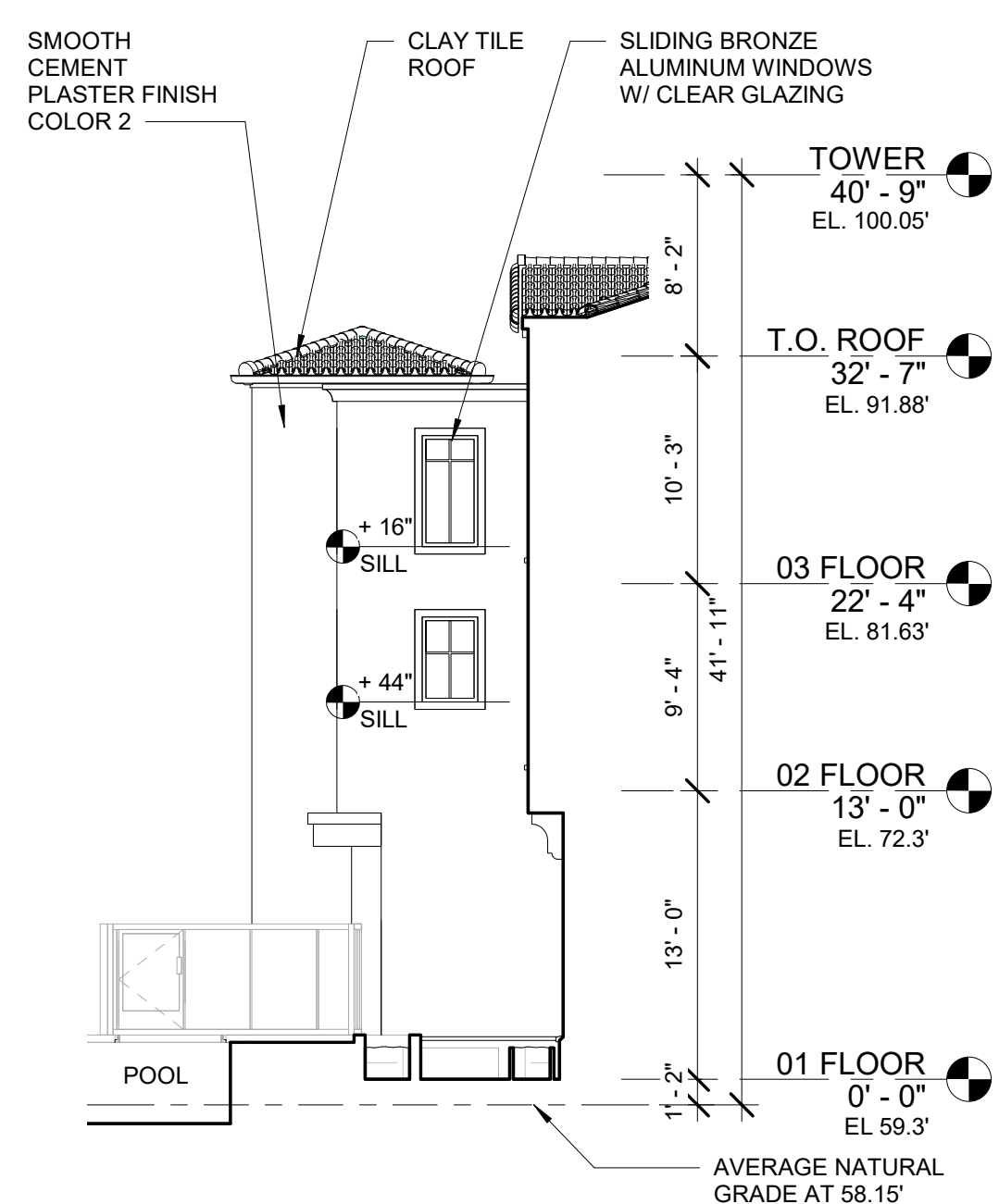




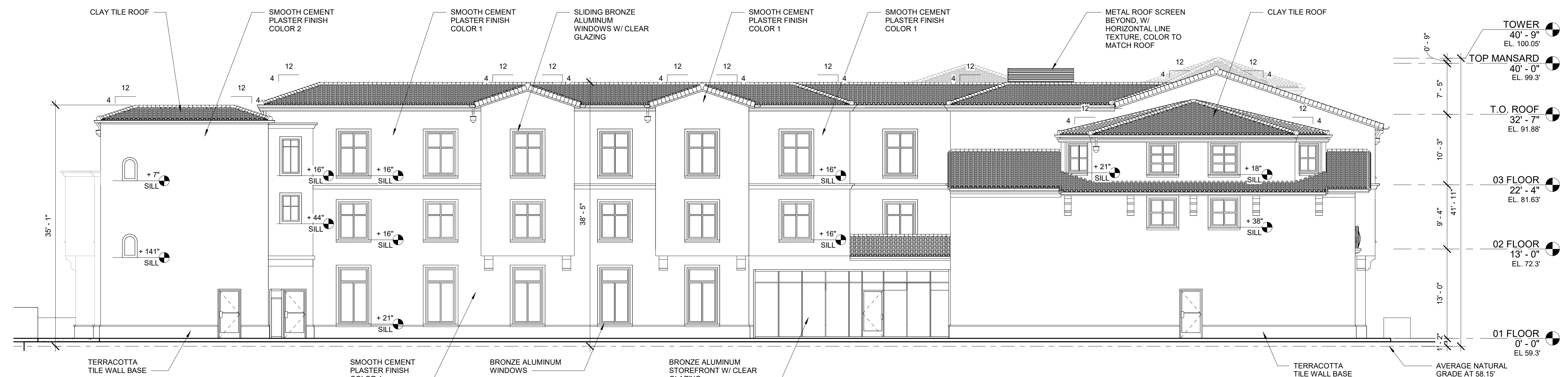
① WEST ELEVATION
1/8" = 1'-0"



② COURTYARD - WEST
1/8" = 1'-0"



③ COURTYARD - EAST
1/8" = 1'-0"

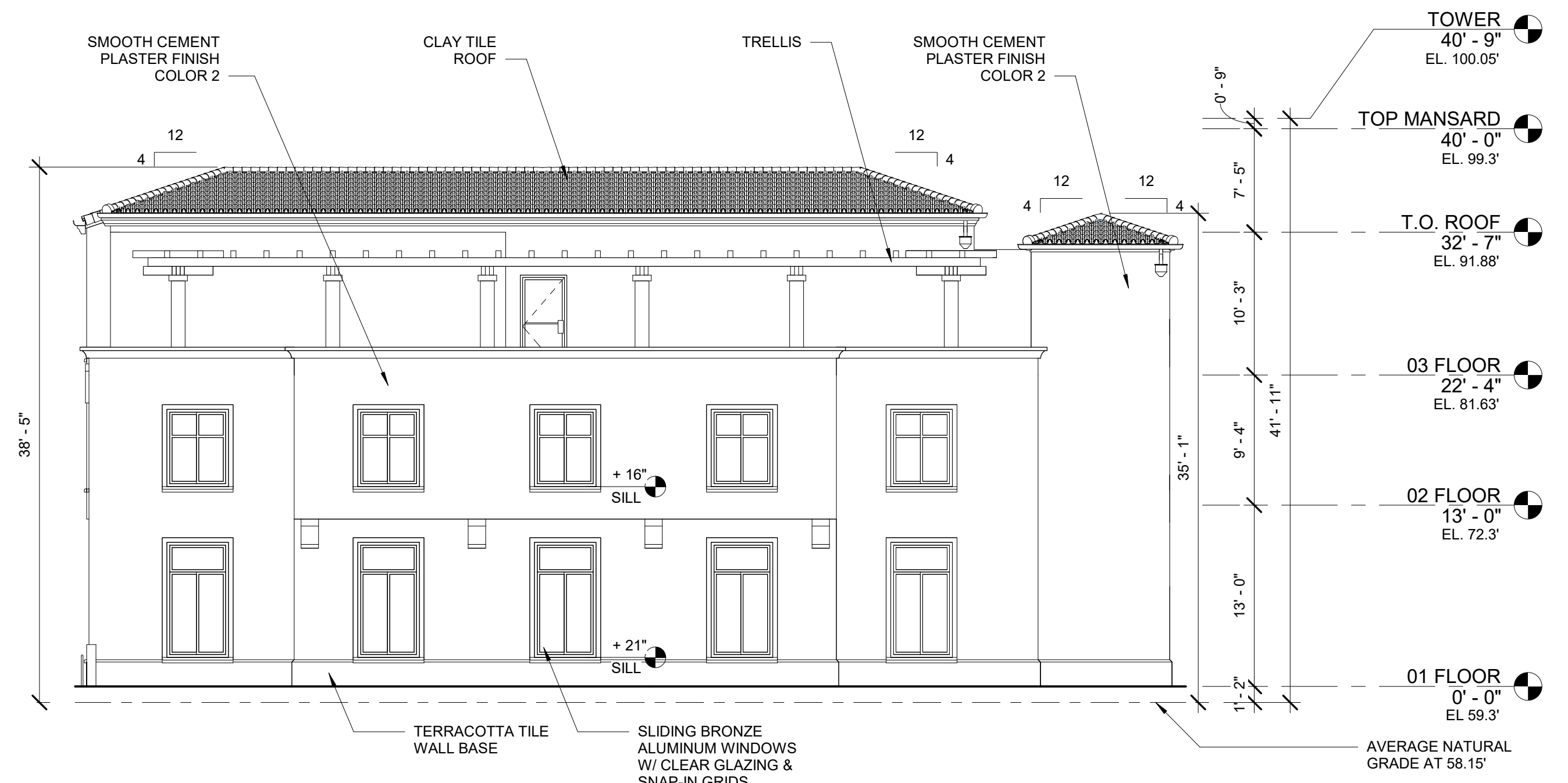


④ NORTH ELEVATION
1/8" = 1'-0"

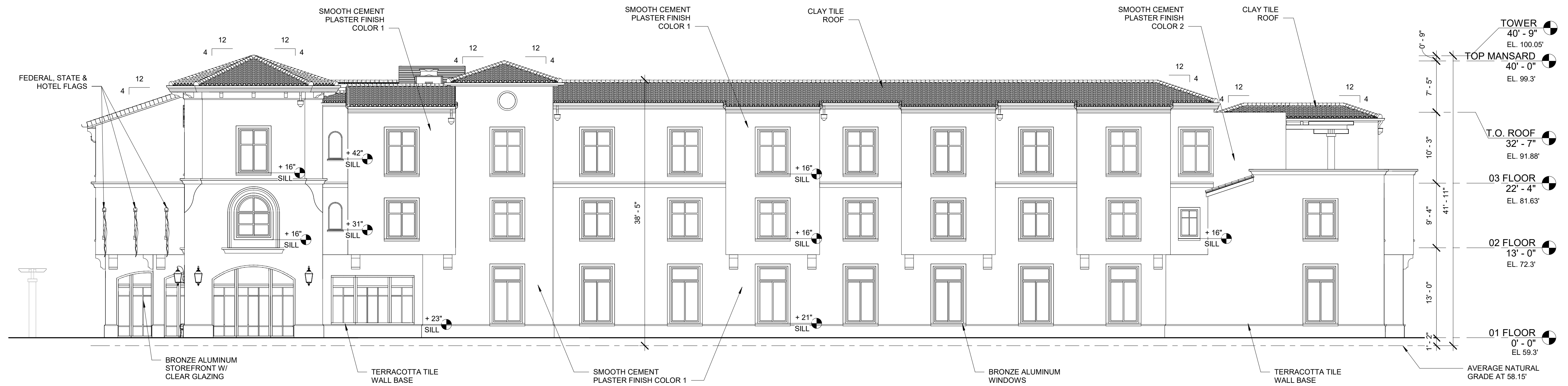
EXISTING GRADE:
DUE TO VARYING EXISTING
GRADE CONDITIONS,
EXISTING GRADE SHOWN
IS SET AT MEAN ELEVATION
OF 58.15'.



BUILDING ELEVATIONS



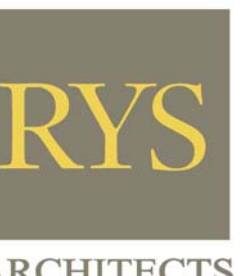
1 EAST ELEVATION
1/8" = 1'-0"

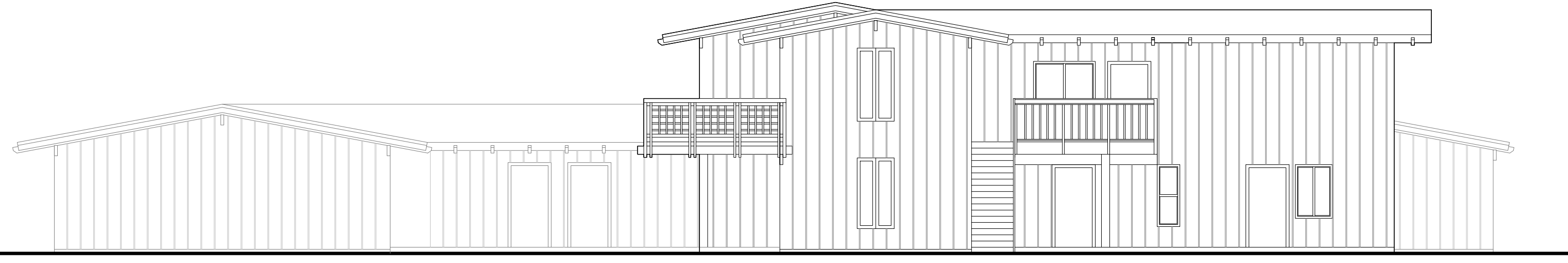


2 SOUTH ELEVATION
1/8" = 1'-0"

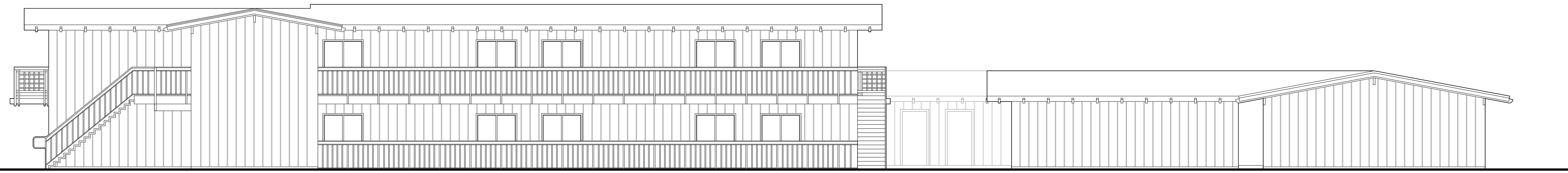
EXISTING GRADE:
DUE TO VARYING EXISTING GRADE CONDITIONS, EXISTING GRADE SHOWN IS SET AT MEAN ELEVATION OF 58.15'

BUILDING ELEVATIONS

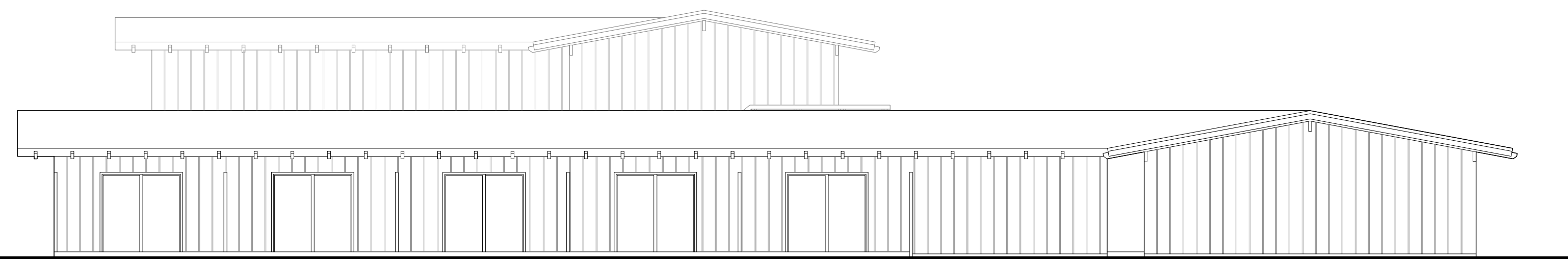




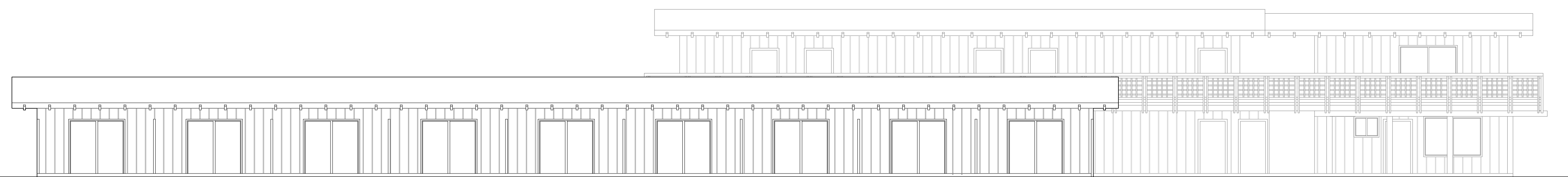
① EXISTING WEST ELEVATION
1/8" = 1'-0"



② EXISTING SOUTH ELEVATION
1/8" = 1'-0"



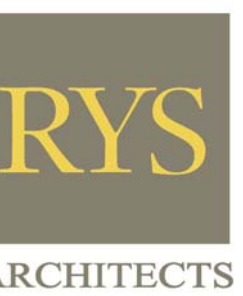
③ EXISTING EAST ELEVATION
1/8" = 1'-0"



④ EXISTING NORTH ELEVATION
1/8" = 1'-0"



EXISTING BUILDING ELEVATIONS





WEST ELEVATION
NOT TO SCALE



NORTH ELEVATION
NOT TO SCALE

RENDERED COLOR ELEVATIONS





EAST ELEVATION
NOT TO SCALE



SOUTH ELEVATION
NOT TO SCALE

RENDERED COLOR ELEVATIONS



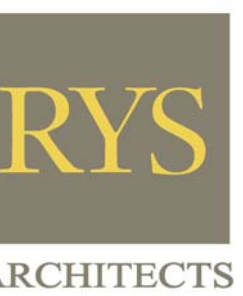


1706 EL CAMINO REAL

1704 EL CAMINO REAL

1702 EL CAMINO REAL

STREETSCAPE ELEVATION





EAST SIDE
NOT TO SCALE



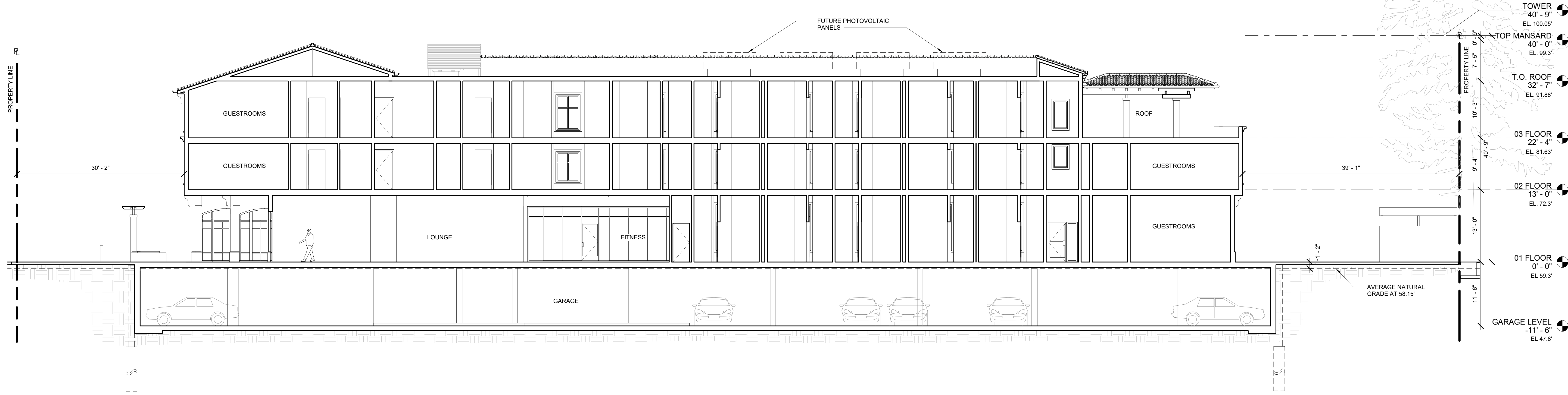
SOUTH SIDE
NOT TO SCALE

PHOTO SIMULATIONS





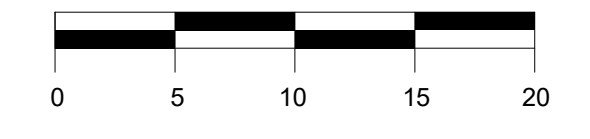
1 BUILDING SECTION A
1/8" = 1'-0"

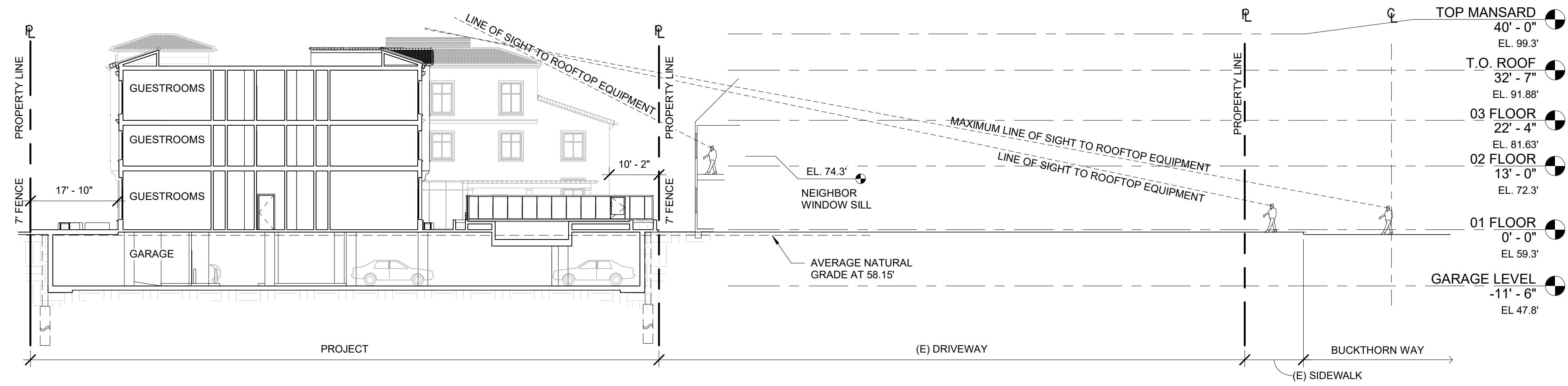


2 BUILDING SECTION B
1/8" = 1'-0"

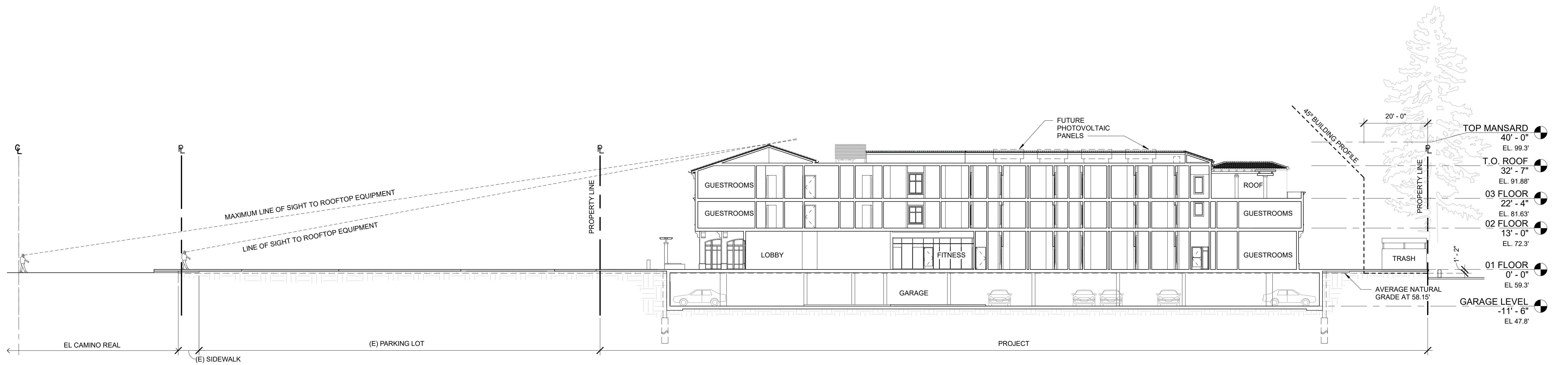
BUILDING SECTIONS

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



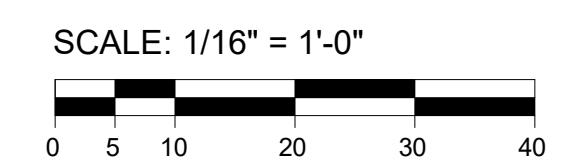


1 SITE SECTION A
1/16" = 1'-0"



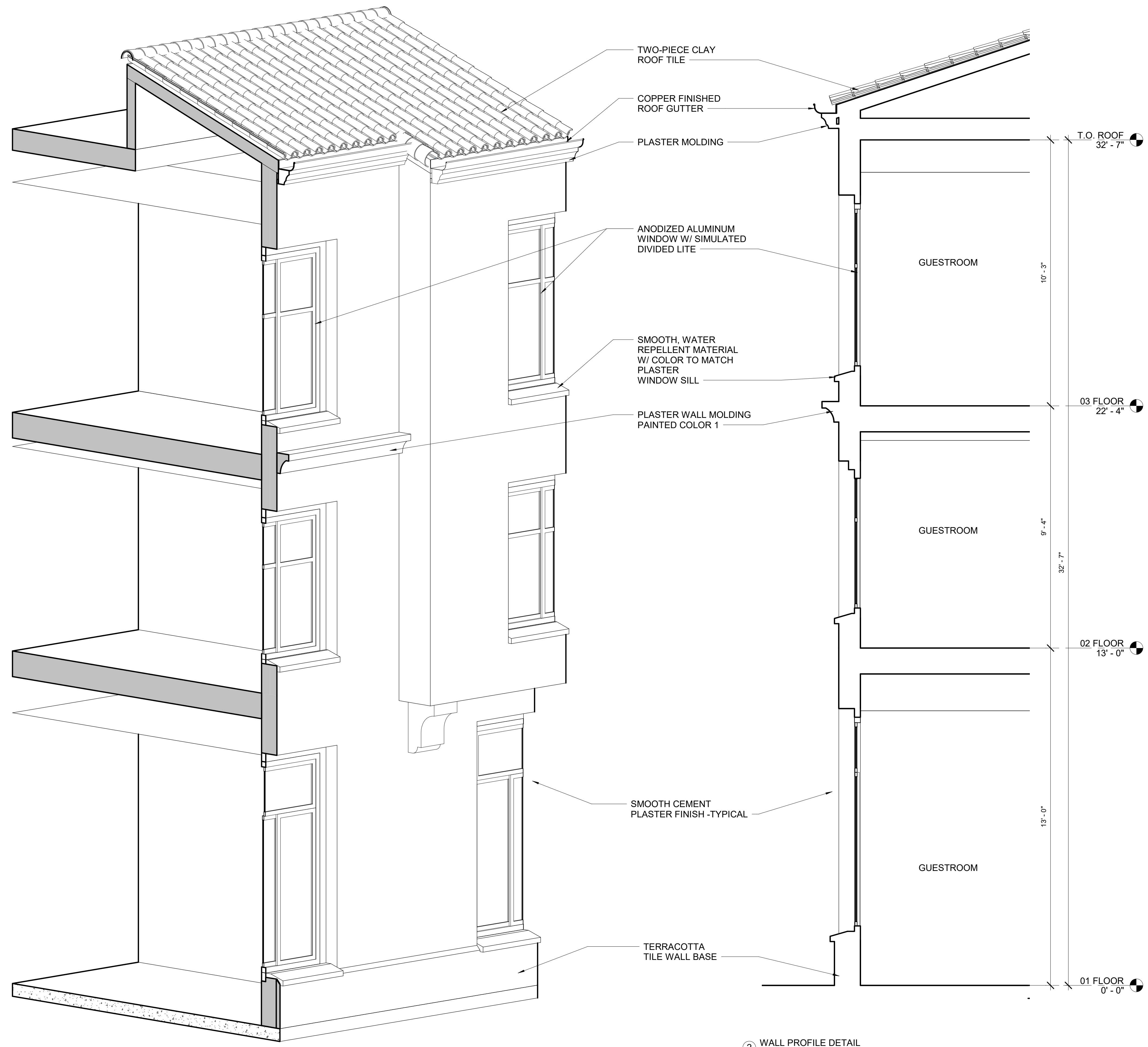
2 SITE SECTION B
1/16" = 1'-0"

LINE OF SIGHT DIAGRAMS



A14.1

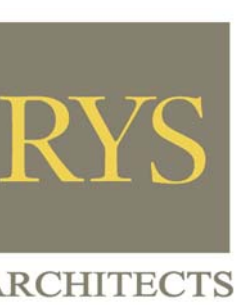


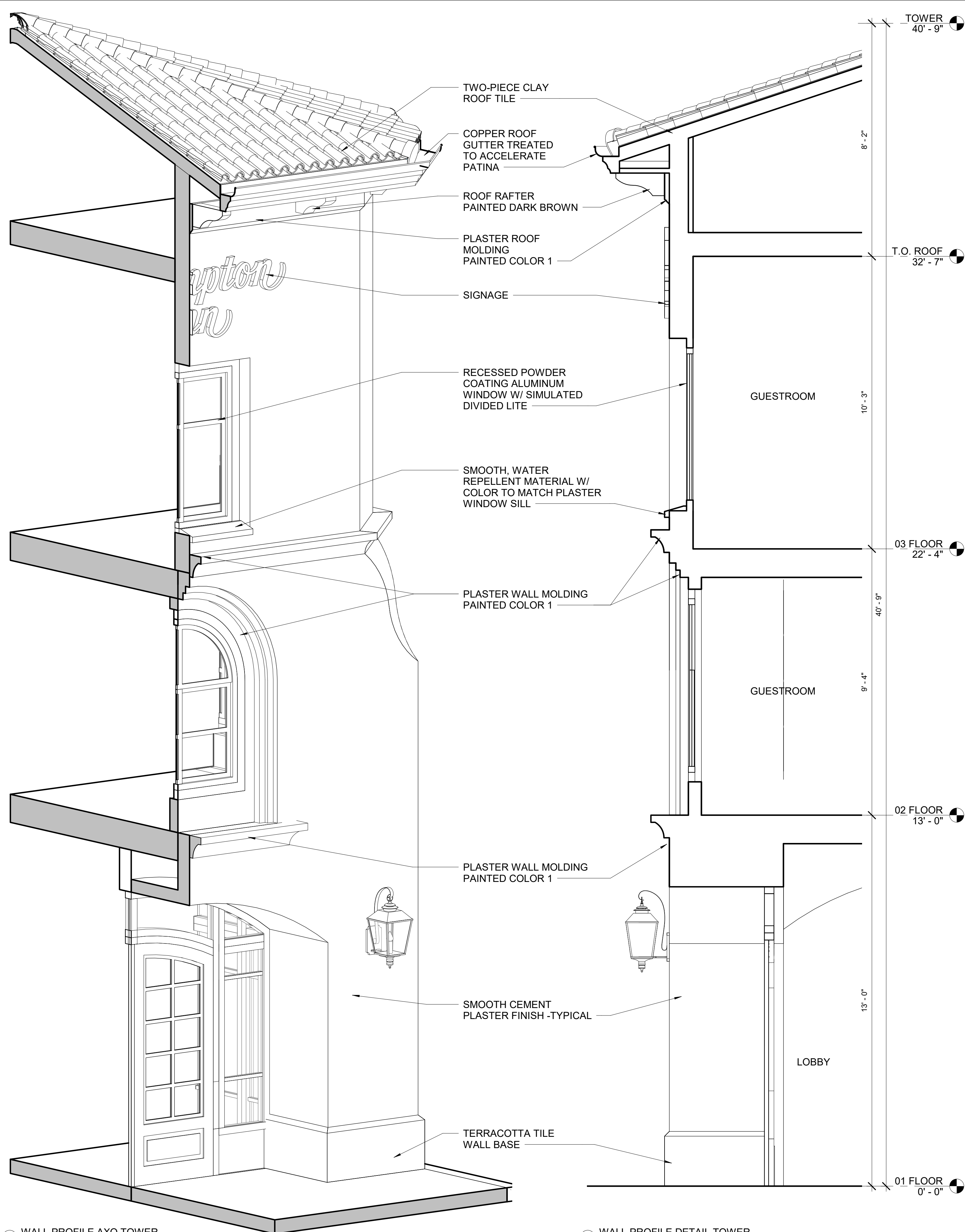


② WALL PROFILE DETAIL
1/2" = 1'-0"

① WALL PROFILE AXO

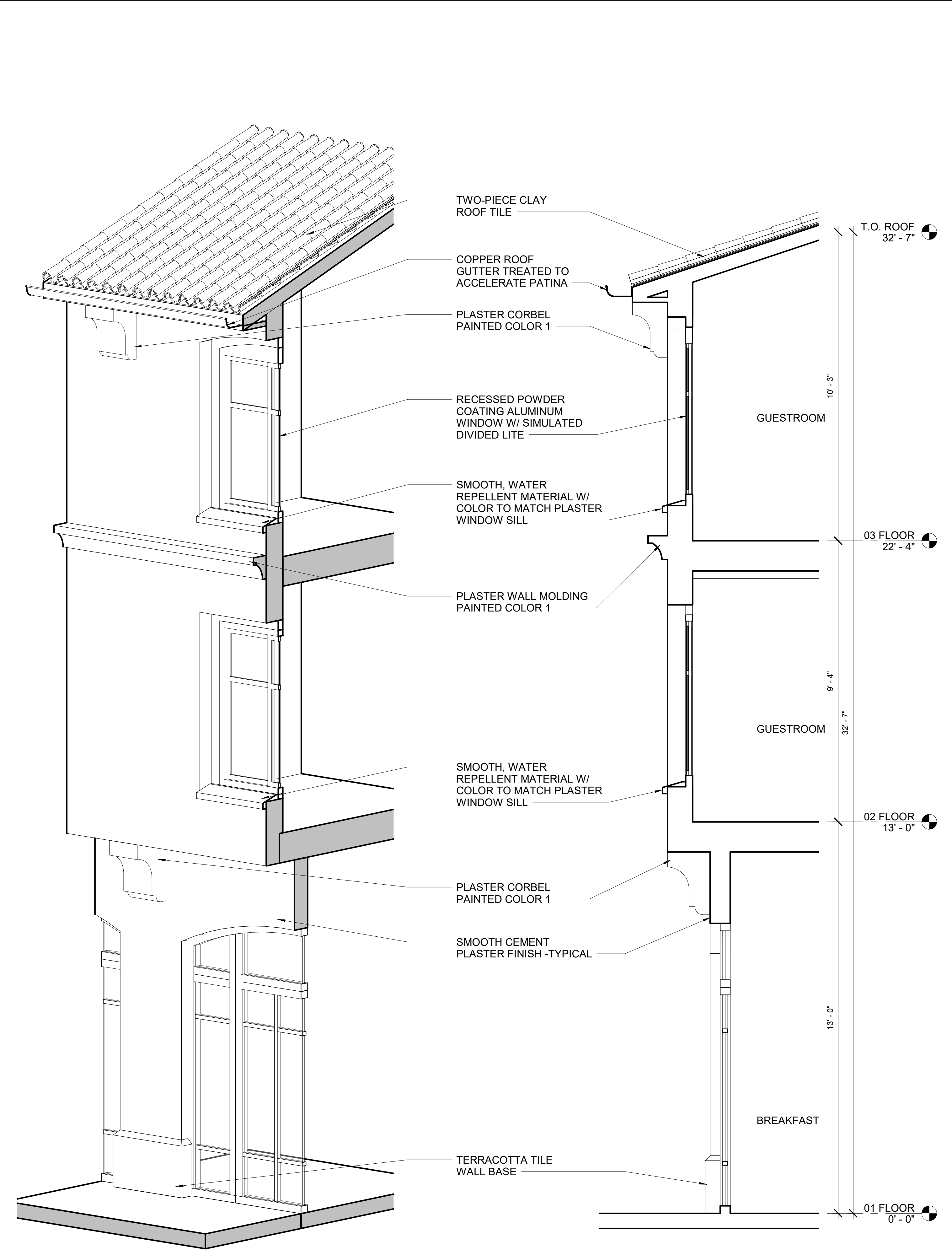
WALL PROFILE DETAILS





1 WALL PROFILE AXO TOWER

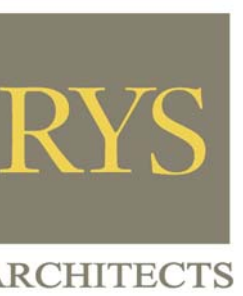
2 WALL PROFILE DETAIL TOWER
1/2" = 1'-0"



3 WALL PROFILE AXO WEST FACADE

4 WALL PROFILE DETAIL WEST FACADE
1/2" = 1'-0"

WALL PROFILE DETAILS





ALUMINUM SLIDING
WINDOWS WITH
CLEAR GLAZING

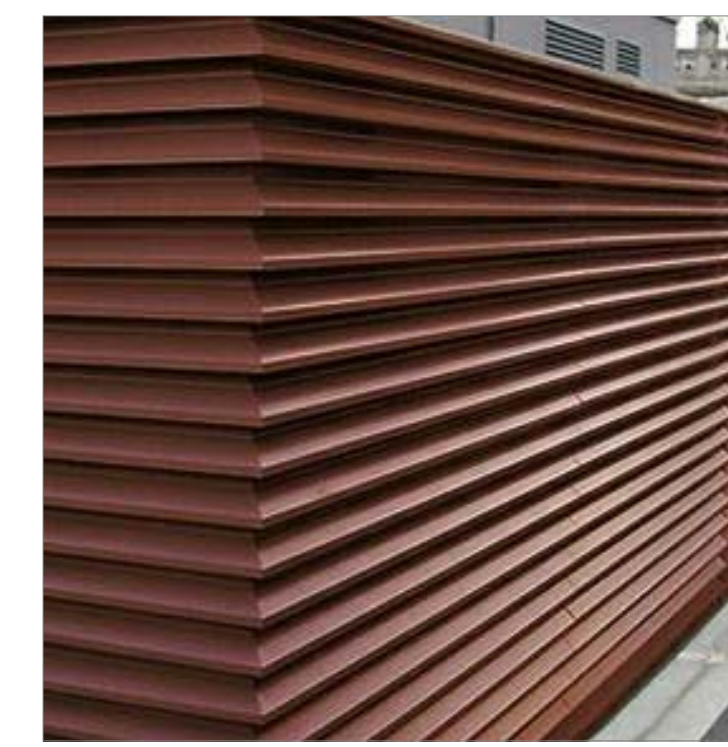
MANUFACTURER: KAWNEER
PRODUCT NUMBER: ARCHITECTURAL FINISHES
FRAME COLOR: SEPIA BROWN

MANUFACTURER: VITRO
PRODUCT NUMBER: SOLARBAN 70XL(2) CLEAR+ CLEAR GLASS
FRAME COLOR: CLEAR



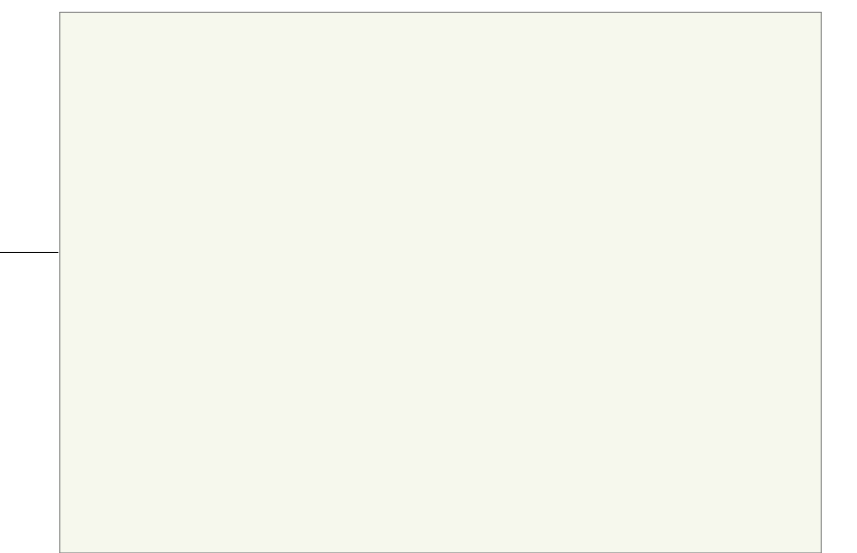
CLAY ROOF TILE

PRODUCT NAME: 2 PIECE MISSION CLAY TILE ROOF
MODEL COLOR: STANDARD RED 75%, OLD WORLD 10%,
TUSCANY 15%
MANUFACTURER: BORAL ROOFING; US TILE



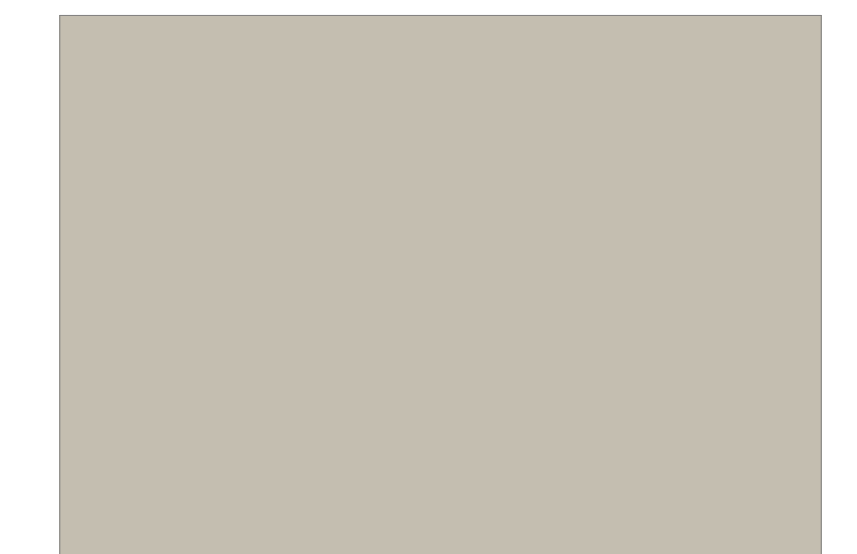
PRE-FAB METAL ROOF
SCREEN

PRODUCT NAME: ROOF SCREEN
MODEL NUMBER: SC3& FLUSH PANEL
COLOR: PAINT TO MATCH THE ROOF TILE



CEMENT PLASTER
COLOR 1

BENJAMIN MOORE COLOR: CLOUD NINE 2144-60
SMOOTH FINISH



CEMENT PLASTER
COLOR 2

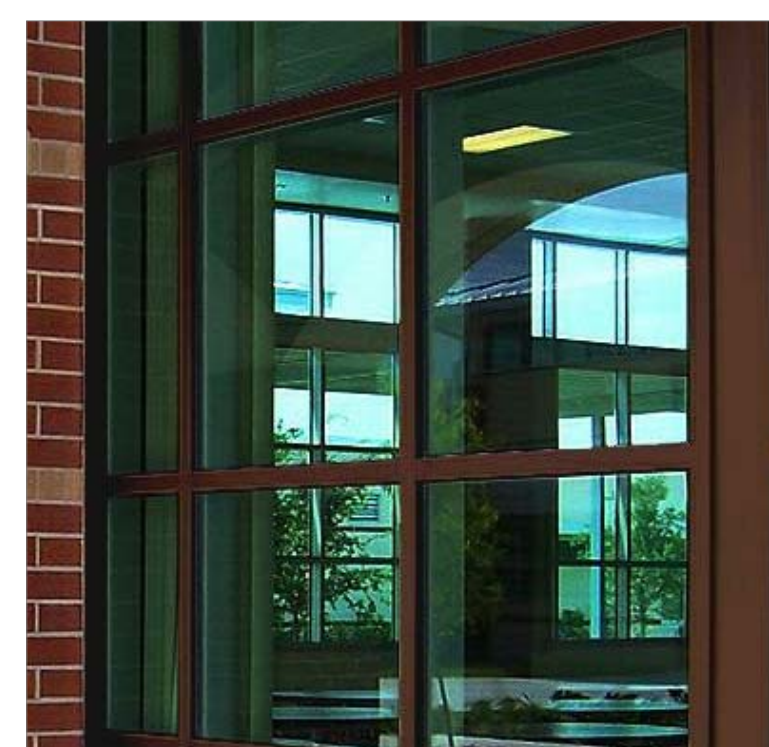
BENJAMIN MOORE COLOR: SHALE 861
SMOOTH FINISH

* ONLY APPEAR IN EAST PART OF THE BUILDING



WINDOW RAILING

MANUFACTURER: DECIRON
PRODUCT NAME: LIGHT IRON DOVE BALCONY
MATERIAL: METAL
COLOR: BROWN



ALUMINUM STOREFRONT
WITH CLEAR GLAZING

MANUFACTURER: KAWNEER
PRODUCT NUMBER: PERMAFLUOR ARCHITECTURAL FINISHES
FRAME COLOR: BROWN



DECORATIVE WALL SCONCE

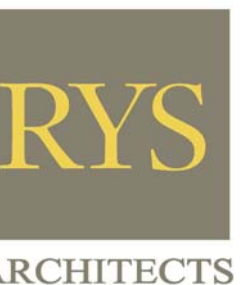
PRODUCT NAME: FEISS
MODEL NUMBER: OL5421GBZ
FRAME COLOR: GRECIAN BRONZE



TERRACOTTA TILE

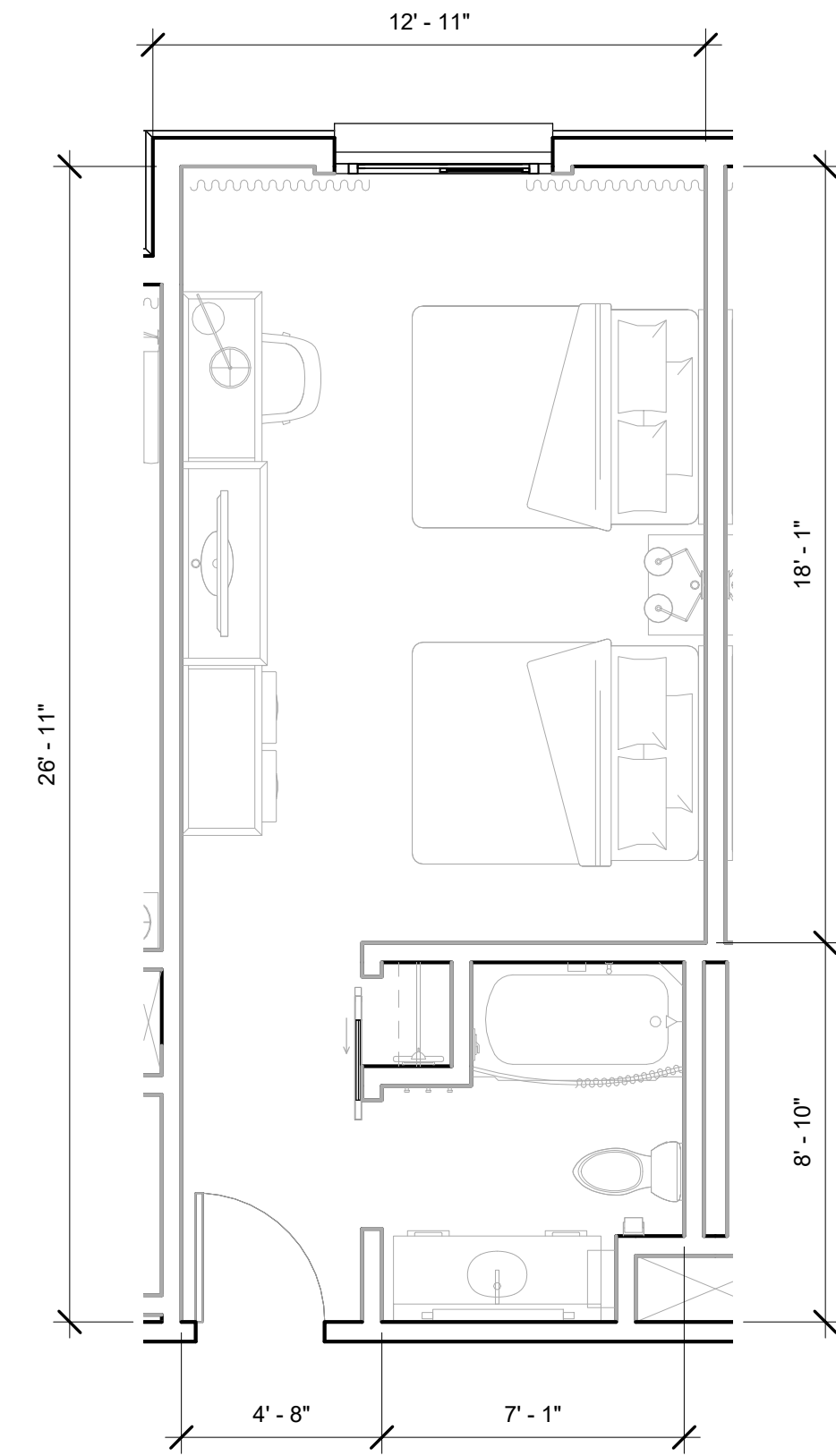
PRODUCT NAME: DAL TILE
MODEL NUMBER: QUARRY TILE 0Q40 RED BLAZE
FINISH: QUARRY & AMP; SALTILLO
COLOR: RED

COLORS AND MATERIAL BOARD

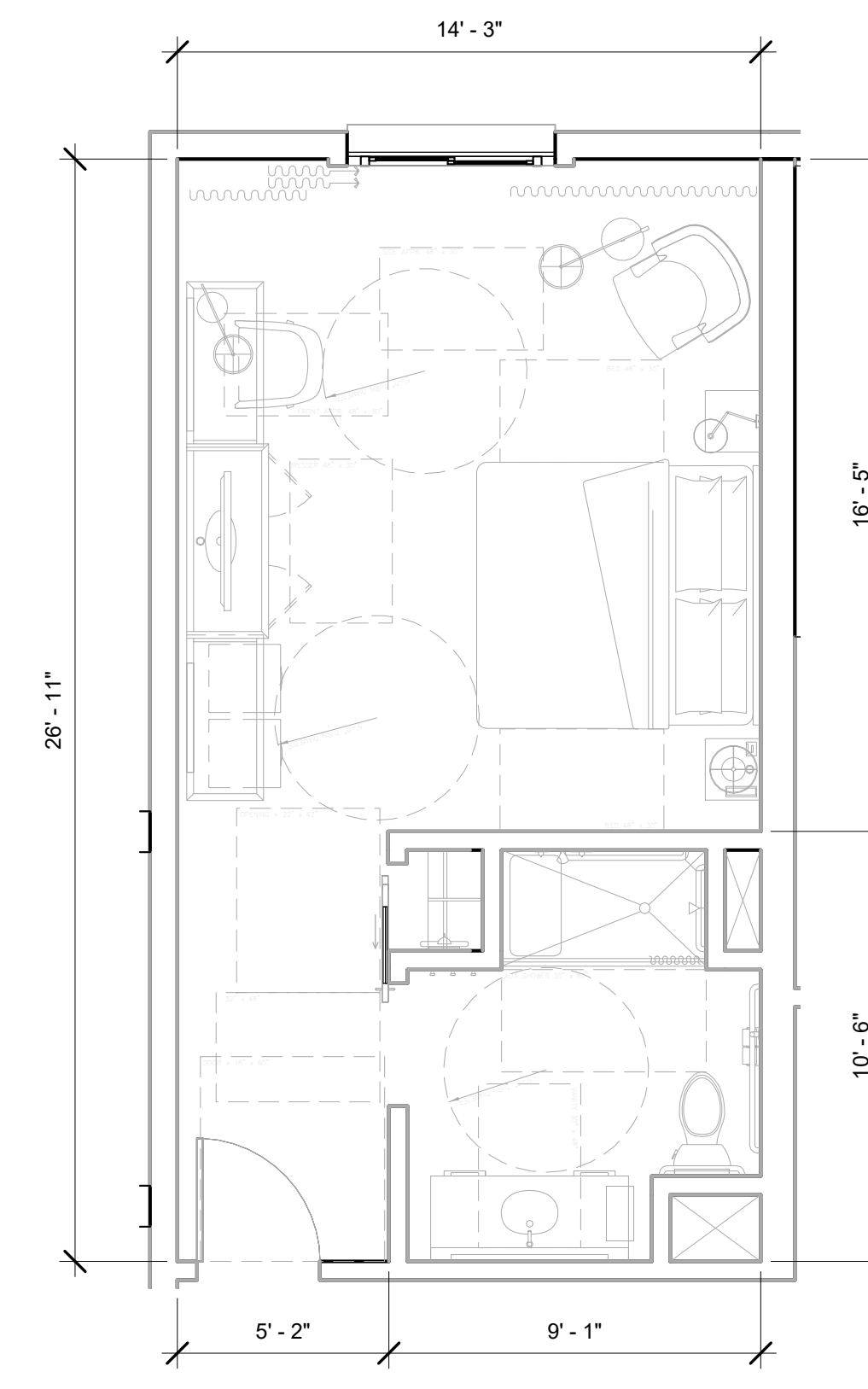


LEED 2009 for New Construction and Major Renovations
Project Checklist

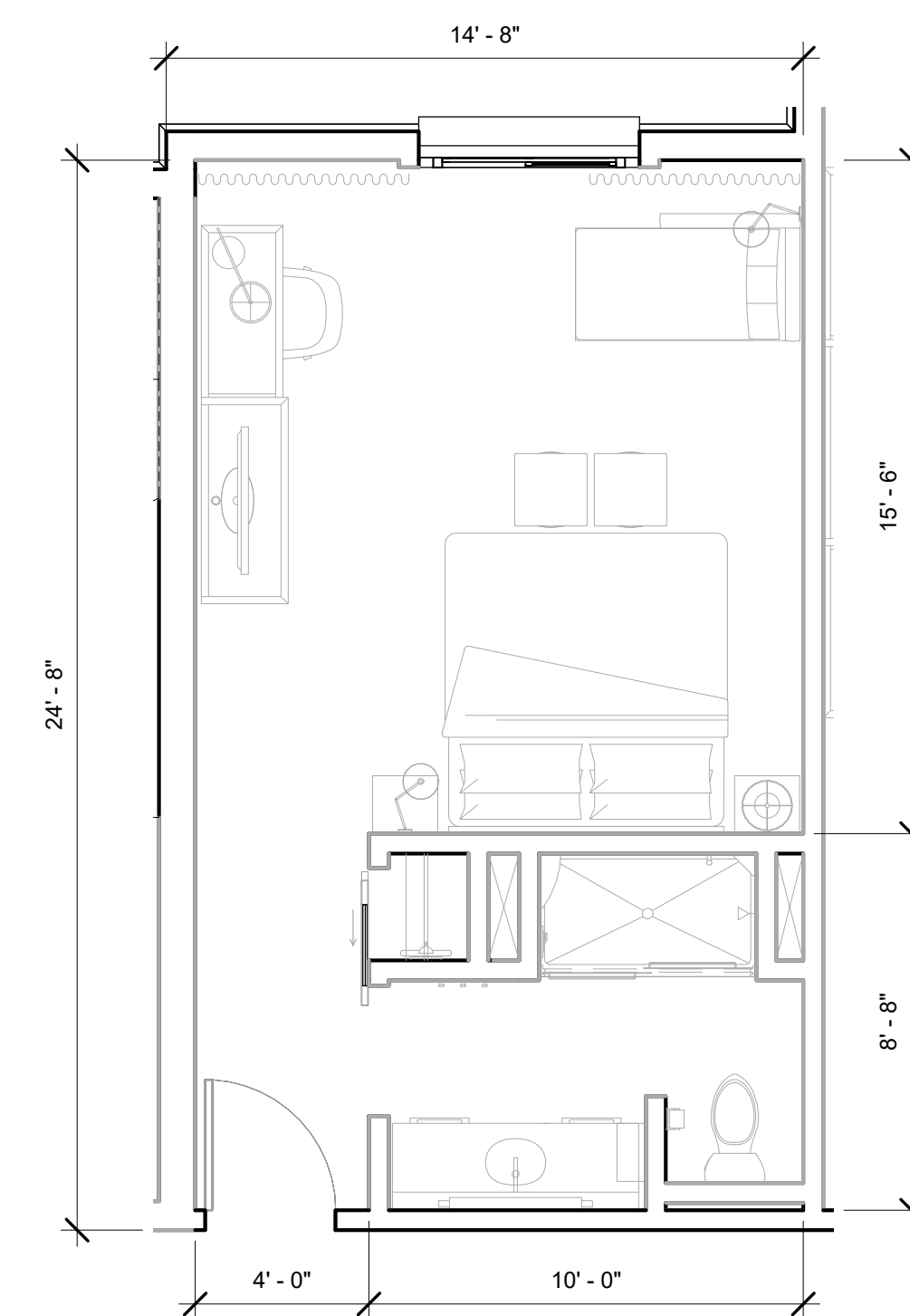
| 17 1 Sustainable Sites | | Possible Points: 26 |
|--|--|----------------------|
| Y | Prereq 1 Construction Activity Pollution Prevention | 1 |
| 1 | Credit 1 Site Selection | 5 |
| 5 | Credit 2 Development Density and Community Connectivity | 1 |
| | Credit 3 Brownfield Redevelopment | 6 |
| 6 | Credit 4.1 Alternative Transportation—Public Transportation Access | 1 |
| 1 | Credit 4.2 Alternative Transportation—Bicycle Storage and Changing Rooms | 3 |
| | Credit 4.3 Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles | 2 |
| 1 | Credit 4.4 Alternative Transportation—Parking Capacity | 1 |
| | Credit 5.1 Site Development—Protect or Restore Habitat | 1 |
| | Credit 5.2 Site Development—Maximize Open Space | 1 |
| 1 | Credit 6.1 Stormwater Design—Quantity Control | 1 |
| 1 | Credit 6.2 Stormwater Design—Quality Control | 1 |
| 1 | Credit 7.1 Heat Island Effect—Non-roof | 1 |
| 1 | Credit 7.2 Heat Island Effect—Roof | 1 |
| | Credit 8 Light Pollution Reduction | 1 |
| 6 Water Efficiency | | Possible Points: 10 |
| Y | Prereq 1 Water Use Reduction—20% Reduction | 2 to 4 |
| 2 | Credit 1 Water Efficient Landscaping | 2 |
| 4 | Credit 2 Innovative Wastewater Technologies | 2 to 4 |
| | Credit 3 Water Use Reduction | |
| 14 Energy and Atmosphere | | Possible Points: 35 |
| Y | Prereq 1 Fundamental Commissioning of Building Energy Systems | |
| Y | Prereq 2 Minimum Energy Performance | |
| Y | Prereq 3 Fundamental Refrigerant Management | |
| 10 | Credit 1 Optimize Energy Performance | 1 to 19 |
| | Credit 2 On-Site Renewable Energy | 1 to 7 |
| 2 | Credit 3 Enhanced Commissioning | 2 |
| 2 | Credit 4 Enhanced Refrigerant Management | 2 |
| | Credit 5 Measurement and Verification | 3 |
| | Credit 6 Green Power | 2 |
| 6 Materials and Resources | | Possible Points: 14 |
| Y | Prereq 1 Storage and Collection of Recyclables | |
| | Credit 1.1 Building Reuse—Maintain Existing Walls, Floors, and Roof | 1 to 3 |
| | Credit 1.2 Building Reuse—Maintain 50% of Interior Non-Structural Elements | 1 |
| 1 | Credit 2 Construction Waste Management | 1 to 2 |
| | Credit 3 Materials Reuse | 1 to 2 |
| 2 | Credit 4 Recycled Content | 1 to 2 |
| 2 | Credit 5 Regional Materials | 1 to 2 |
| 1 | Credit 6 Rapidly Renewable Materials | 1 |
| | Credit 7 Certified Wood | 1 |
| 9 2 Indoor Environmental Quality | | Possible Points: 15 |
| Y | Prereq 1 Minimum Indoor Air Quality Performance | |
| Y | Prereq 2 Environmental Tobacco Smoke (ETS) Control | |
| | Credit 1 Outdoor Air Delivery Monitoring | 1 |
| | Credit 2 Increased Ventilation | 1 |
| 1 | Credit 3.1 Construction IAQ Management Plan—During Construction | 1 |
| | Credit 3.2 Construction IAQ Management Plan—Before Occupancy | 1 |
| 1 | Credit 4.1 Low-Emitting Materials—Adhesives and Sealants | 1 |
| 1 | Credit 4.2 Low-Emitting Materials—Paints and Coatings | 1 |
| 1 | Credit 4.3 Low-Emitting Materials—Flooring Systems | 1 |
| 1 | Credit 4.4 Low-Emitting Materials—Composite Wood and Agrifiber Products | 1 |
| 1 | Credit 5 Indoor Chemical and Pollutant Source Control | 1 |
| 1 | Credit 6.1 Controllability of Systems—Lighting | 1 |
| 1 | Credit 6.2 Controllability of Systems—Thermal Comfort | 1 |
| 1 | Credit 7.1 Thermal Comfort—Design | 1 |
| | Credit 7.2 Thermal Comfort—Verification | 1 |
| 1 | Credit 8.1 Daylight and Views—Daylight | 1 |
| 1 | Credit 8.2 Daylight and Views—Views | 1 |
| 1 Innovation and Design Process | | Possible Points: 6 |
| | Credit 1.1 Innovation in Design: Specific Title | 1 |
| | Credit 1.2 Innovation in Design: Specific Title | 1 |
| | Credit 1.3 Innovation in Design: Specific Title | 1 |
| | Credit 1.4 Innovation in Design: Specific Title | 1 |
| | Credit 1.5 Innovation in Design: Specific Title | 1 |
| 1 | Credit 2 LEED Accredited Professional | 1 |
| 1 Regional Priority Credits | | Possible Points: 4 |
| | Credit 1.1 Regional Priority: Specific Credit | 1 |
| | Credit 1.2 Regional Priority: Specific Credit | 1 |
| | Credit 1.3 Regional Priority: Specific Credit | 1 |
| | Credit 1.4 Regional Priority: Specific Credit | 1 |
| 53 4 Total | | Possible Points: 110 |
| Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110 | | |



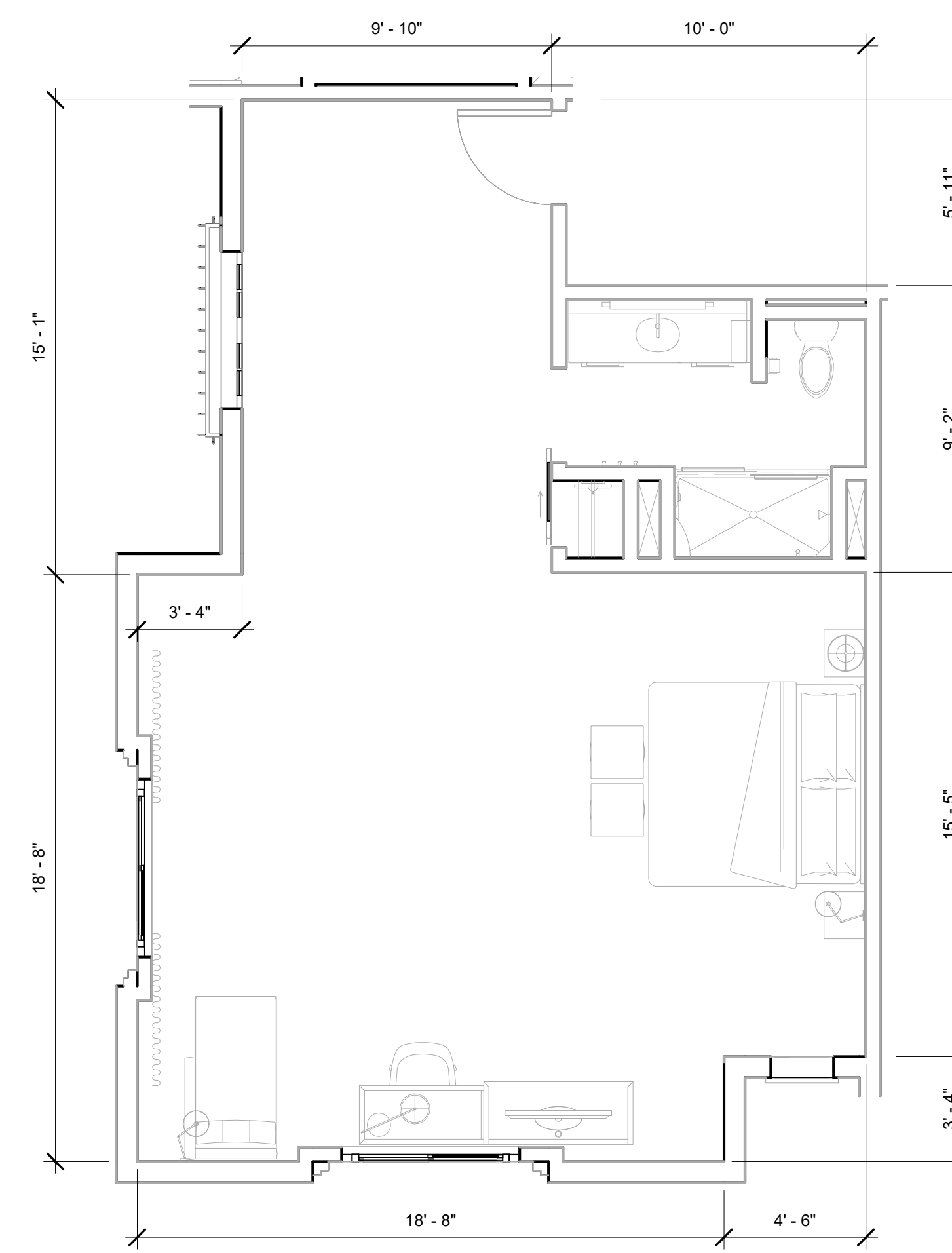
① MODEL ROOM- DOUBLE QUEEN
1/4" = 1'-0"



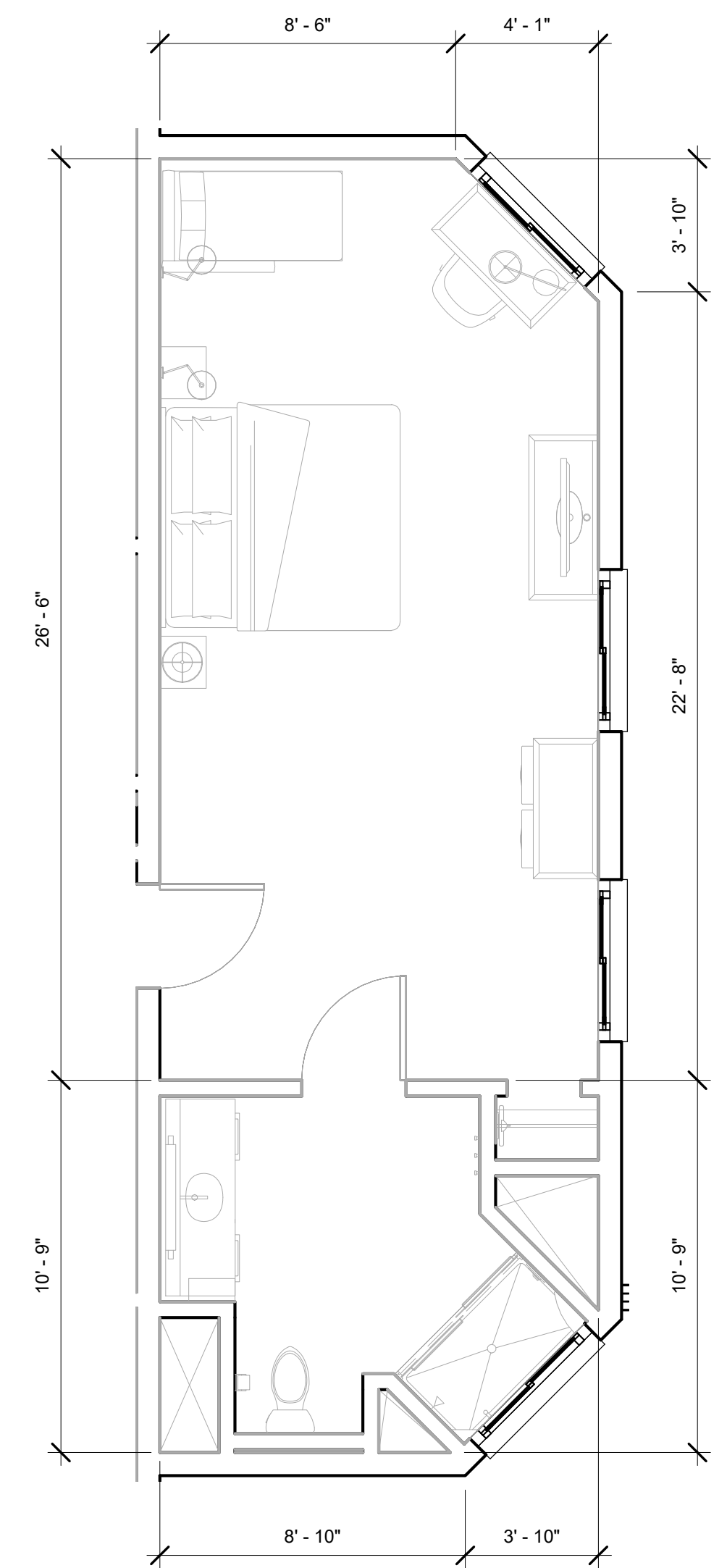
② MODEL ROOM- ACCESSIBLE DOUBLE QUEEN
1/4" = 1'-0"



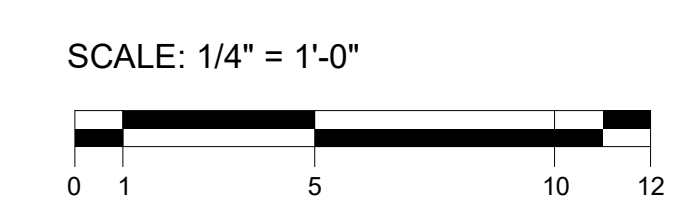
③ MODEL ROOM- KING
1/4" = 1'-0"



④ MODEL ROOM- KING SUITE A
1/4" = 1'-0"



⑤ MODEL ROOM- KING SUITE B
1/4" = 1'-0"



UNIT PLANS & LEED CHECKLIST





AXONOMETRIC VIEW - SOUTH WEST
NOT TO SCALE



AXONOMETRIC VIEW - NORTH EAST
NOT TO SCALE

MASSING STUDIES





ALTERNATE COLOR 1

BENJAMIN MOORE COLOR: KEY WEST IVORY 192
SMOOTH FINISH



ALTERNATE COLOR 2

BENJAMIN MOORE COLOR: GOLDEN LAB 178
SMOOTH FINISH



ALTERNATE COLOR 3

BENJAMIN MOORE COLOR: GLOWING APRICOT 165
SMOOTH FINISH



ALTERNATE COLOR 4

BENJAMIN MOORE COLOR: BIRMINGHAM CREAM 164
SMOOTH FINISH



RENDERED SOUTH ELEVATION - ALTERNATE COLOR 1
NOT TO SCALE



RENDERED WEST ELEVATION - ALTERNATE COLOR 1
NOT TO SCALE



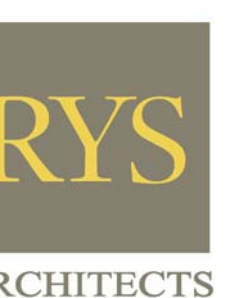
RENDERED NORTH ELEVATION - ALTERNATE COLOR 1
NOT TO SCALE



RENDERED EAST ELEVATION - ALTERNATE COLOR 1
NOT TO SCALE

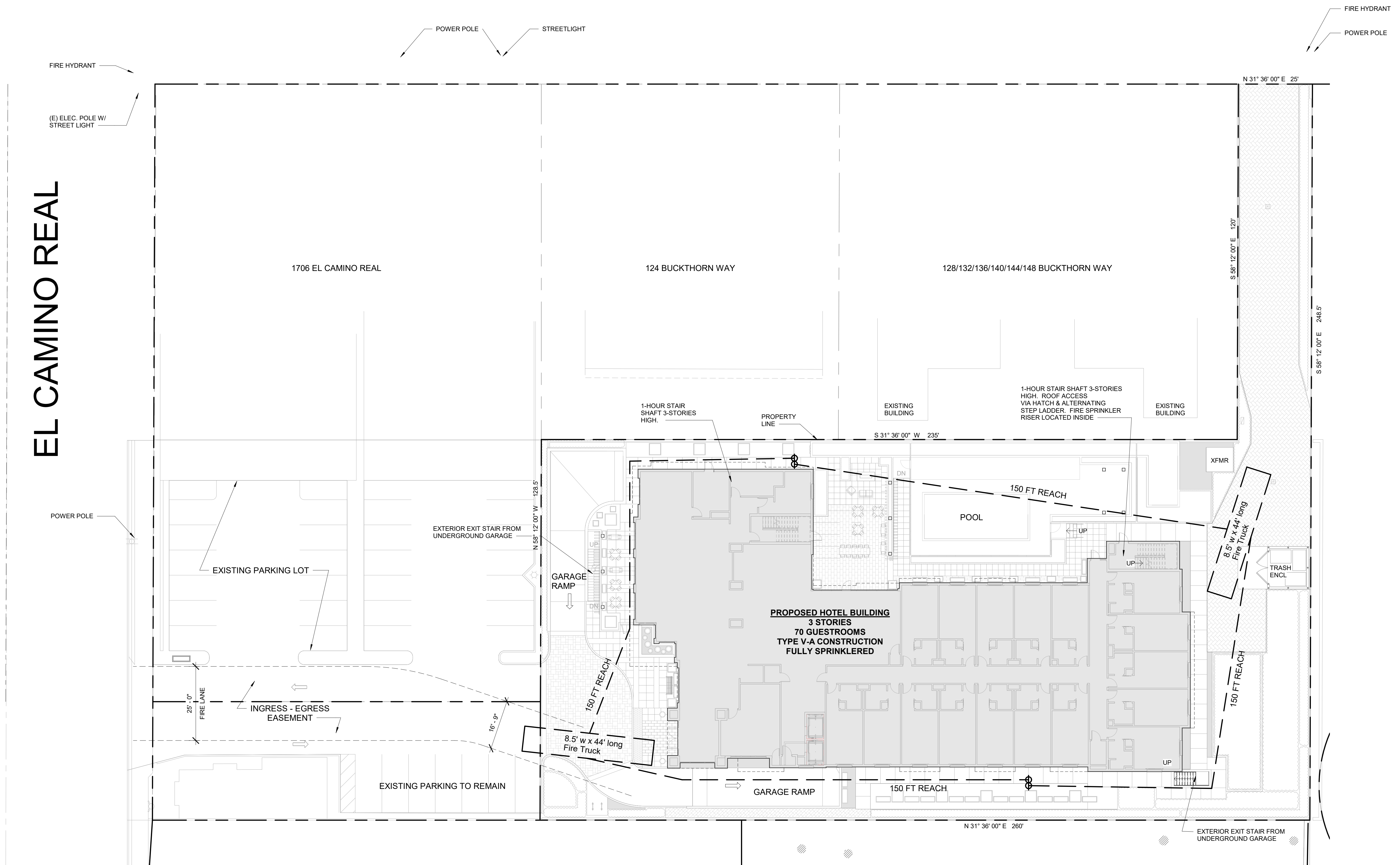


ALTERNATE COLOR SCHEMES



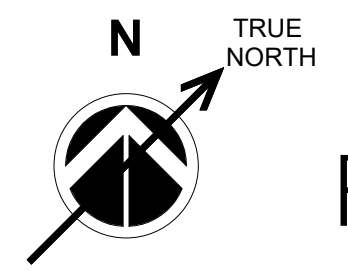
BUCKTHORN WAY

EL CAMINO REAL

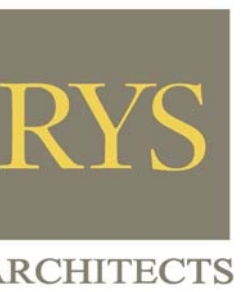


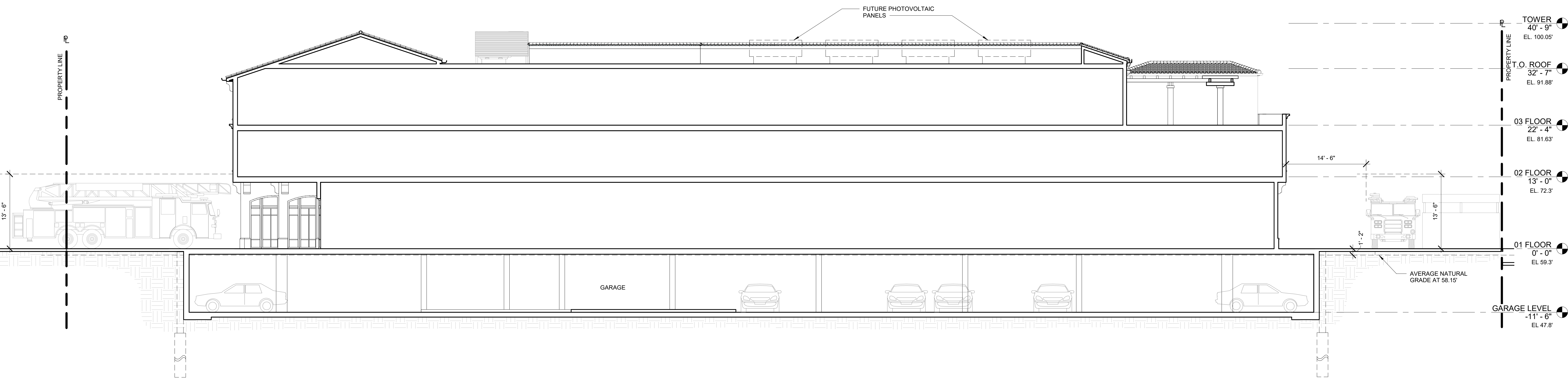
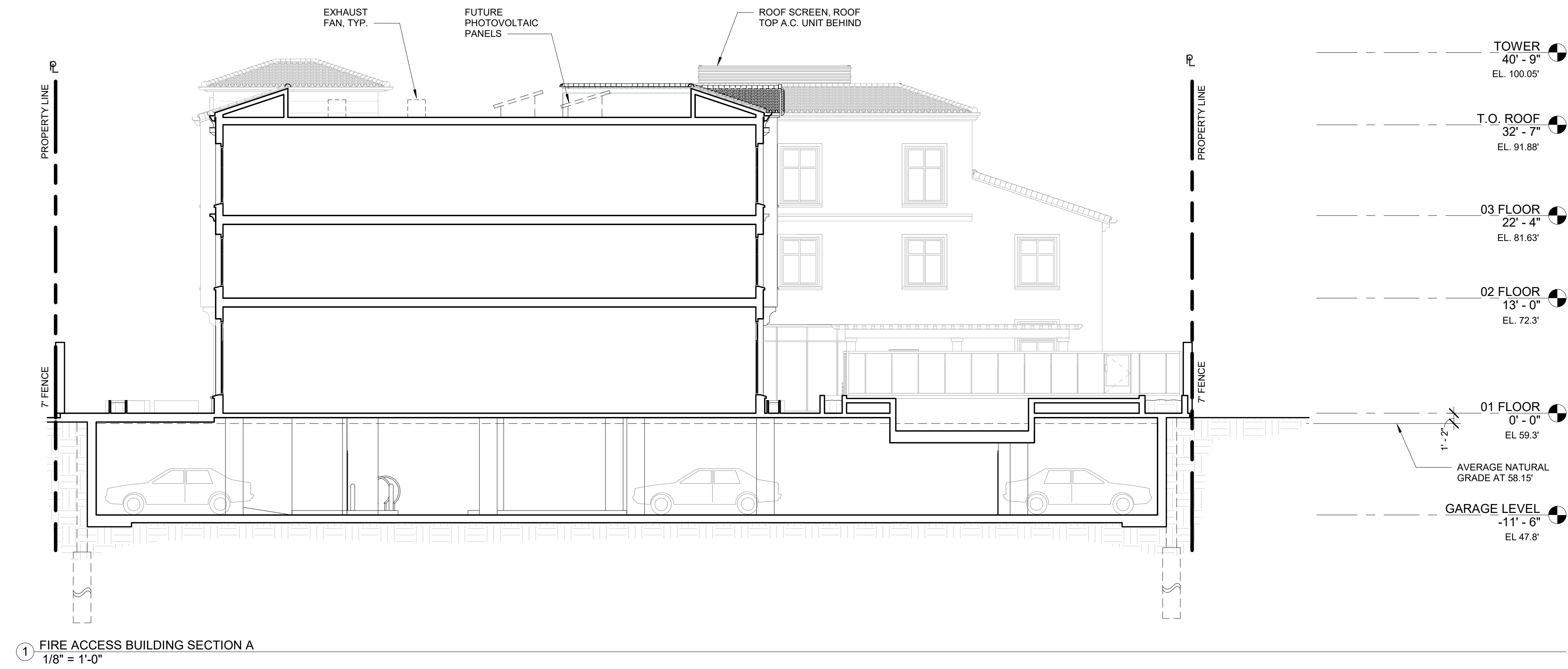
FIRE ACCESS SITE PLAN

SCALE: 1/16" = 1'-0"
 0 5 10 20 30 40



F1





2 FIRE ACCESS BUILDING SECTION B
1/8" = 1'-0"

FIRE ACCESS BUILDING SECTIONS





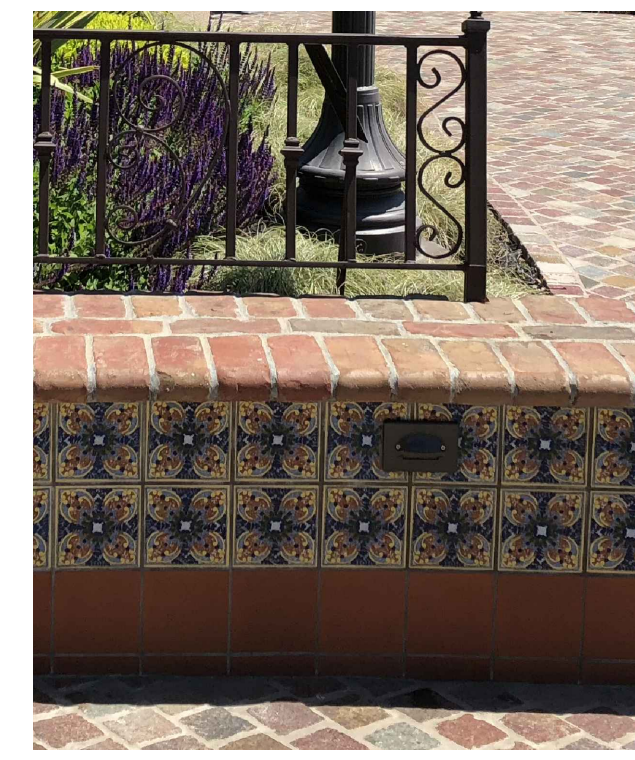
Enhanced Motor Court Paving - Pavers or similar stamped and colored concrete



Colonnade - Similar Example



Container Fountain



Seat Wall and Ornamental Fence

BUCKTHORN WAY

Landscape Concept

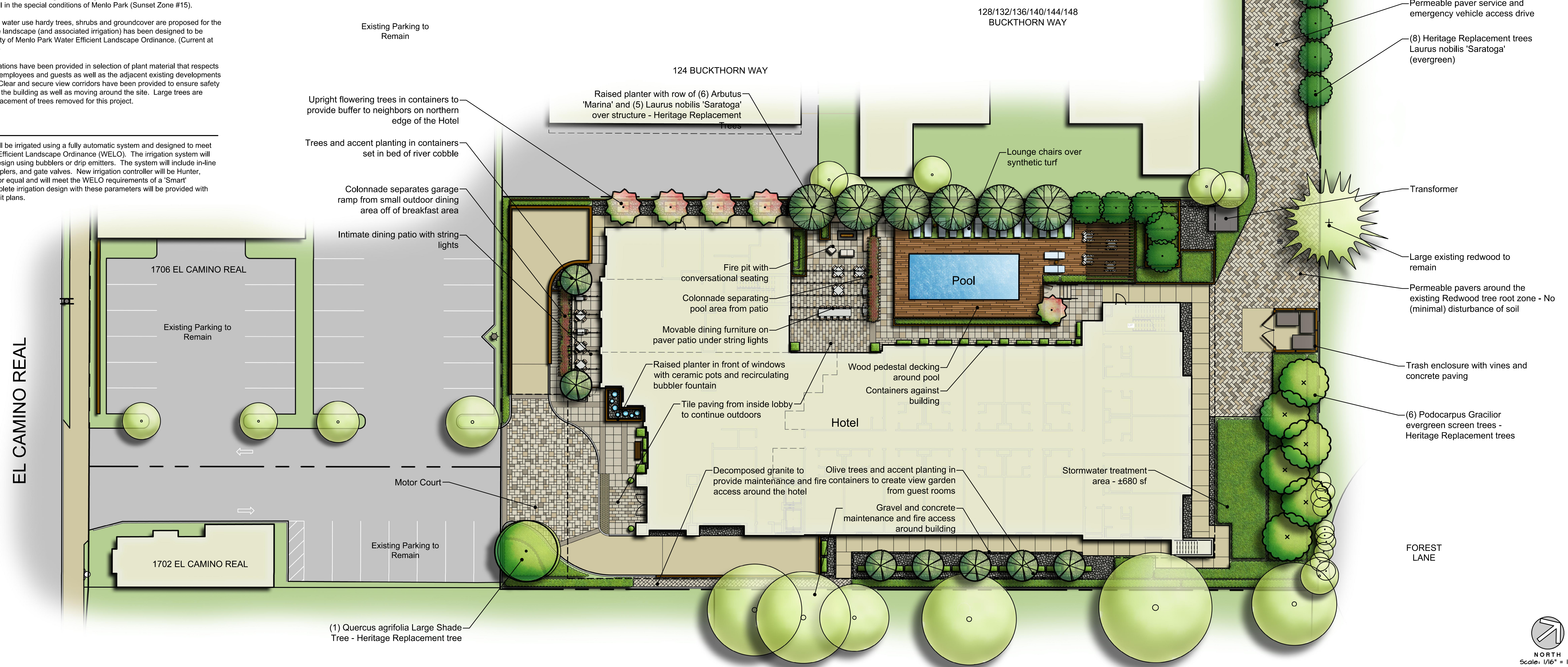
The landscape design concept for the Hampton Inn and Suites is to provide an enjoyable and aesthetic space for the guests and employees that fits within the landscape character of the existing surrounding area. Plant material has been selected that performs well in the special conditions of Menlo Park (Sunset Zone #15).

Low and medium water use hardy trees, shrubs and groundcover are proposed for the plant palette. The landscape (and associated irrigation) has been designed to be compliant with City of Menlo Park Water Efficient Landscape Ordinance. (Current at time of submittal)

Special considerations have been provided in selection of plant material that respects the needs of the employees and guests as well as the adjacent existing developments and residences. Clear and secure view corridors have been provided to ensure safety of those entering the building as well as moving around the site. Large trees are proposed for replacement of trees removed for this project.

Irrigation

The entire site will be irrigated using a fully automatic system and designed to meet the City's Water Efficient Landscape Ordinance (WELO). The irrigation system will be low-volume design using bubblers or drip emitters. The system will include in-line valves, quick couplers, and gate valves. New irrigation controller will be Hunter, Rainbird, Irritrol, or equal and will meet the WELO requirements of a 'Smart' controller. A complete irrigation design with these parameters will be provided with the building permit plans.



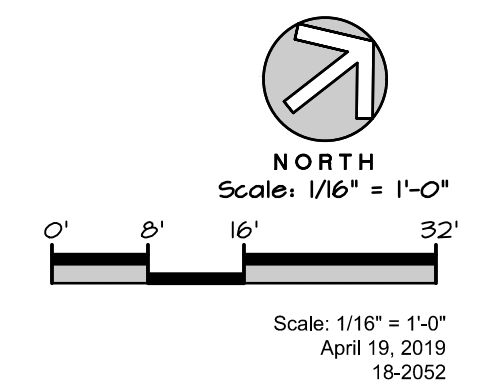
Bay Friendly Landscape

The landscape and irrigation has been designed to comply with the Bay Friendly Landscape Design Guidelines, CalGreen code requirements, and Water Efficient Landscape Ordinance (WELO) requirements.

Existing Trees

There are a number of existing trees, including heritage trees, directly adjacent to the property that will be impacted by the proposed development. All work to be done for this project is to be in accordance with the design guidelines outlined in the Arborist Report prepared for the project (dated July 16, 2018). See also specific requirements outlined in the Arborist Report for Tree Protection Zones as they apply to each tree.

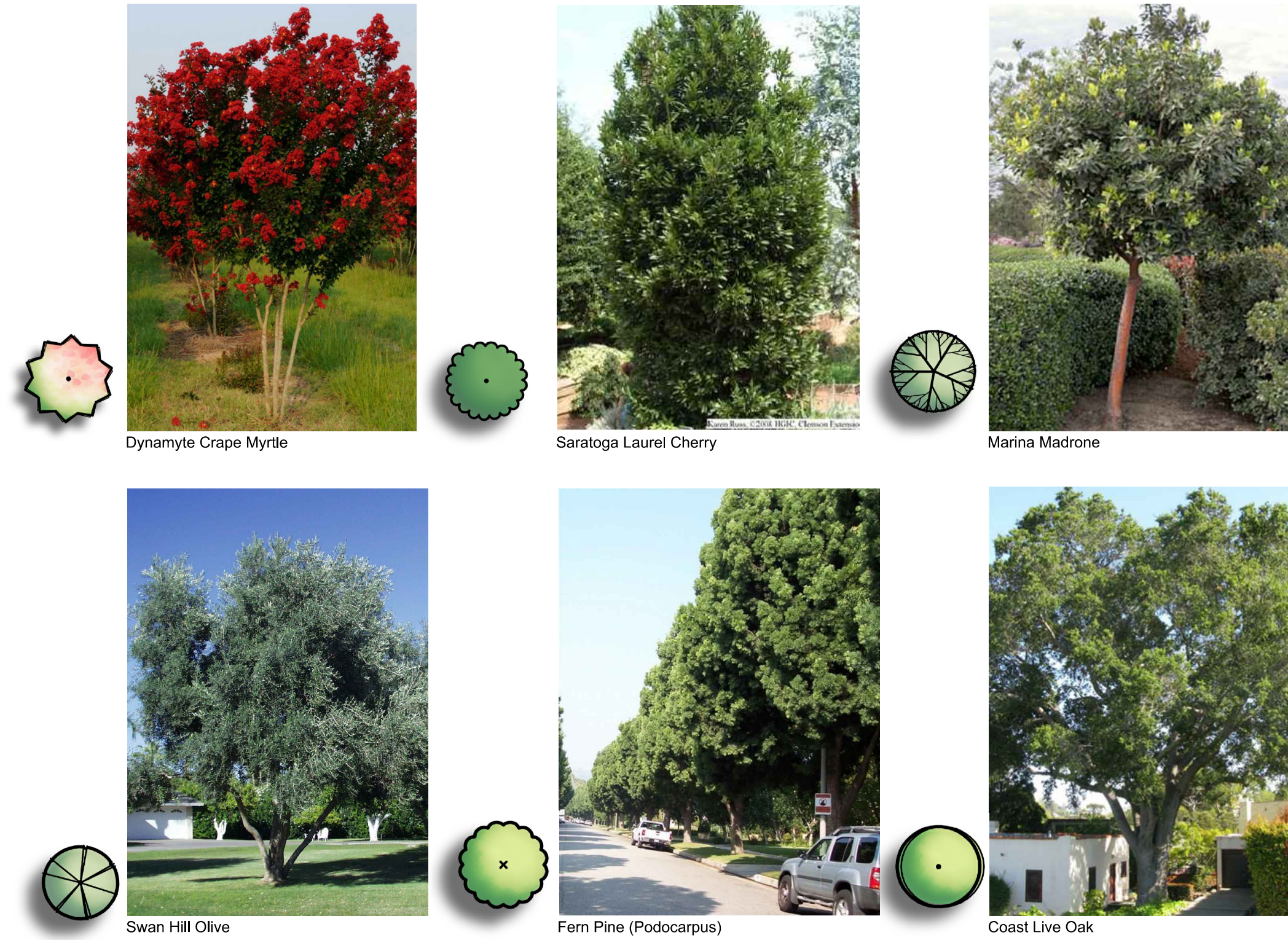
For Tree Replacement Table see Sheet L0.2



Hampton Inn - Menlo Park, CA

L0.1 - Conceptual Landscape Plan

Proposed Replacement Trees



Tree Replacement / Mitigation Table

| Removed Trees and Replacement Requirements | | | |
|--|---------------------------|---------|------|
| Heritage Tree # | Replacement Species | Size | Qty. |
| #1 - Valley Oak | Podocarpus gracilior | 36" Box | 2 |
| #2 - Valley Oak | Podocarpus gracilior | 36" Box | 2 |
| #11 - Monterey Pine | Podocarpus gracilior | 36" Box | 2 |
| #12 - Monterey Pine | Arbutus 'Marina' | 36" Box | 2 |
| #13 - Monterey Pine | Arbutus 'Marina' | 36" Box | 2 |
| #14 - Monterey Pine | Arbutus 'Marina' | 36" Box | 2 |
| #16 - Glossy Privet | Laurus nobilis 'Saratoga' | 36" Box | 2 |
| #19 - Hollywood Juniper | Laurus nobilis 'Saratoga' | 36" Box | 2 |
| #20 - Hollywood Juniper | Laurus nobilis 'Saratoga' | 36" Box | 2 |
| #21 - Hollywood Juniper | Laurus nobilis 'Saratoga' | 36" Box | 2 |
| #22 - Hollywood Juniper | Laurus nobilis 'Saratoga' | 36" Box | 2 |
| #23 - Hollywood Juniper | Laurus nobilis 'Saratoga' | 36" Box | 1 |
| | Quercus agrifolia | 36" Box | 1 |
| #24 - Hollywood Juniper | Laurus nobilis 'Saratoga' | 36" Box | 2 |

Existing Trees

There are a number of existing trees, including heritage trees, directly adjacent to the property that will be impacted by the proposed development. All work to be done for this project is to be in accordance with the design guidelines outlined in the Arborist Report prepared for the project (dated July 16, 2018). See also specific requirements outlined in the Arborist Report for Tree Protection Zones as they apply to each tree.

Preliminary Plant Palette

Trees

Replacement and Screen Trees - 24" - 36" Box
 Combination of evergreen and deciduous trees to replace those that will be removed. Primary role of trees is to create a dense screen between the guest rooms and hotel activity zones from the adjacent residences and offices. Trees are aligned with guest room windows where possible. See separate table for specific Heritage Tree Replacements. Heritage Tree Replacement Species are underlined in the list below.

| | | |
|---------------------------------------|-------------------------------|---------|
| (6) <u>Arbutus 'Marina'</u> | <u>Marina Madrone</u> | 36" Box |
| (5) Lagerstroemia indica 'Dynamite' | Dynamite Crape Myrtle | 24" Box |
| (13) <u>Laurus nobilis 'Saratoga'</u> | <u>Saratoga Laurel Cherry</u> | 36" Box |
| (7) <u>Olea europaea 'Swan Hill'</u> | <u>Swan Hill Olive</u> | 24" Box |
| (6) <u>Podocarpus gracilior</u> | <u>Fern Pine</u> | 36" Box |
| (1) <u>Quercus agrifolia</u> | <u>Coast Live Oak</u> | 36" Box |

Shrubs

Hedge Shrubs - 5 gallon
 Low to medium height shrubs planted as hedges along building.

| | |
|---|--------------------|
| Buxus microphylla japonica 'Green Beauty' | Japanese Boxwood |
| Callistemon viminalis 'Little John' | Dwarf Bottle Brush |
| Myrtus communis 'Compacta' | Dwarf Myrtle |
| Nandina domestica 'Fire Power' | Heavenly Bamboo |
| Olea europaea 'Little Olive' | Dwarf Olive |
| Raphirolepis indica 'White Enchantress' | India Hawthorn |
| Raphirolepis umbellata 'Minor' | Yedda Hawthorn |
| Rosmarinus officinalis | Rosemary |

Upright Shrubs - 15 gallon
 Narrow upright evergreen shrubs to compliment architecture.

| | |
|--------------------------------------|-----------------------|
| Cupressus sempervirens 'Tiny Towers' | Dwarf Italian Cypress |
| Podocarpus henkelii | Long-Leaf Yellow-Wood |
| Thuja occidentalis 'Emerald' | American Arborvitae |

Vines

Vines - 1 and 5 gallon
 Climbing and clinging vines for screening and accent

| | |
|-----------------------------|---------------------|
| Bougainvillea species | Bougainvillea |
| Clematis species | Clematis |
| Clytostoma callistegioides | Violet Trumpet Vine |
| Ficus pumila | Creeping Fig |
| Jasminum polyanthum | Jasmine |
| Trachelospermum jasminoides | Star Jasmine |

Groundcovers and Accent Plants

Grasses - 1 and 5 gallon
 Plants approved for use in stormwater management flow-through planters and for accent planting throughout.

| | |
|--|------------------------|
| Bouteloua gracilis | Blue Grama |
| Carex species | New Zealand Hair Sedge |
| Calamagrostis acutiflora 'Karl Foerster' | Feather Reed Grass |
| Muhlenbergia dubia | Pine Muhly |

Flowering and accent plants- 5 gallon
 Planted in front of hedges for visual interest and layering in larger planters.

| | |
|------------------------------|----------------|
| Anigozanthos 'Bush Baby' | Kangaroo Paw |
| Euphorbia characias wulfenii | Euphorbia |
| Hesperaloe parviflora | Red Yucca |
| Kniphofia uvaria | Red-Hot Poker |
| Lantana species | Lantana |
| Russelia equisetiformis | Coral Fountain |
| Salvia greggii | Autumn Sage |
| Yucca species | Yucca |

Low flowering accent plants - 1, 2 and 5 gallon
 Provide year round visual interest and area planted in high use areas and as foreground in larger planters.

| | |
|-----------------------|--------------------|
| Dianthus revoluta | Flax Lily |
| Hemerocallis species | Day Lily |
| Hesperaloe parviflora | Red Yucca |
| Rosa 'Flower Carpet' | Flower Carpet Rose |

Low growing groundcover - 1 gallon
 Groundcover that allows access

| | |
|-------------------------------|--------------------|
| Archostaphylos uva-ursi | Trailing Manzanita |
| Cotoneaster dammeri 'Lowfast' | Bearberry |
| Juniperus conferta | Shore Juniper |
| Trachelospermum asiaticum | Asian Jasmine |

This plan represents the design style and theme of the landscape design and planting. These plans are preliminary and may change through the design process. The final planting plan may not contain all of the above plants in the sizes as shown. Additionally some new plant species may be used in the final design. This plan does however indicate the quantity of trees and the overall level of landscape development that will be carried through with the final design.

Final landscape design shall meet Menlo Park codes and requirements as well as Project Specific Conditions of Approval. Final design is subject to approval through the building permit review process.

WELO Water Use Calculations

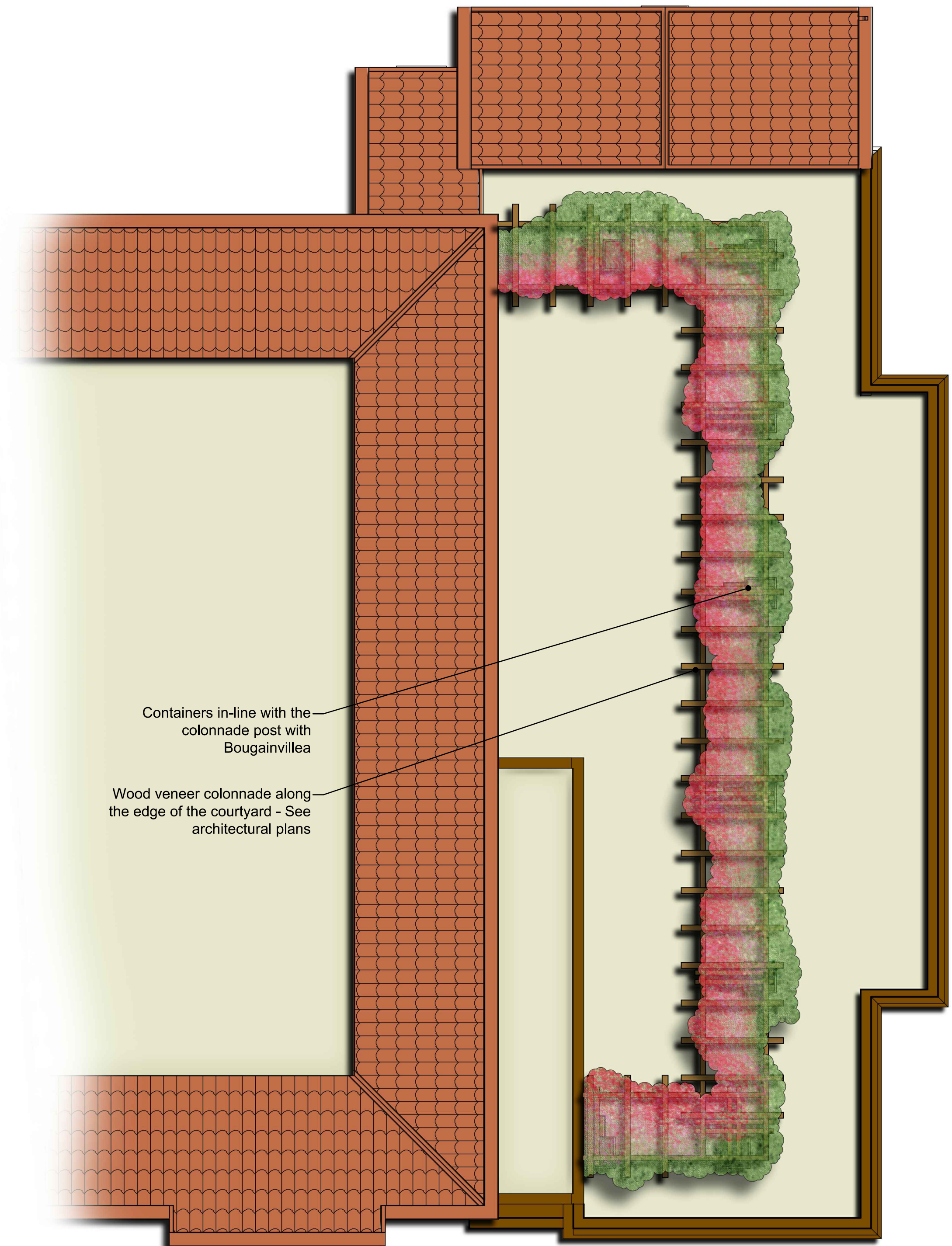
The following calculations represent the intended hydrozones and water usage as designed with this Preliminary Landscape Plan. As we move through the design process we anticipate minor adjustments/revisions of these calculations. However, compliance with WELO code requirements will always remain.

ETO for Menlo Park 42.8

| Hydrozone | Type of Plants | Irrigation Rate | Plant Factor | Type of Irrigation | Irrigation Efficiency | ETAF | Hydrozone Area | ETAF x Area | ETU |
|-----------|----------------|-----------------|--------------|--------------------|-----------------------|------|----------------|-------------|------------------|
| 1 | Stormwater | Medium | 0.4 | Drip Emitter | .81 | 0.49 | 682 sf | 336.8 | 8,937.1 |
| 2 | Shrubs | Medium | 0.4 | Drip Emitter | .81 | 0.49 | 1,314 sf | 648.9 | 17,218.9 |
| 3 | Shrubs | Low | 0.3 | Drip Emitter | .81 | 0.37 | 3,065 sf | 1,135.2 | 30,123.3 |
| 4 | Containers | Medium | 0.4 | Drip Emitter | .81 | 0.49 | 108 sf | 53.3 | 1,415.3 |
| 5 | Containers | Low | 0.3 | Drip Emitter | .81 | 0.37 | 252 sf | 93.3 | 2,476.7 |
| TOTAL | | | | | | | 5,421 sf | | 60,171.2 Gallons |

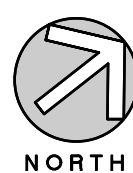
Maximum Applied Water Allowance (MAWA) 60,171.2 gallon/year
 Estimated Total Water Usage (ETWU) 64,733.2 gallon/year
 Average Irrigation Efficiency .81

ETWU is less than MAWA, therefore water usage as designed exceeds code requirements



Third Floor Deck Plan

Scale: 3/16" = 1'-0"



NORTH

Hampton Inn - Menlo Park, CA

L0.2 - Conceptual Landscape Plan

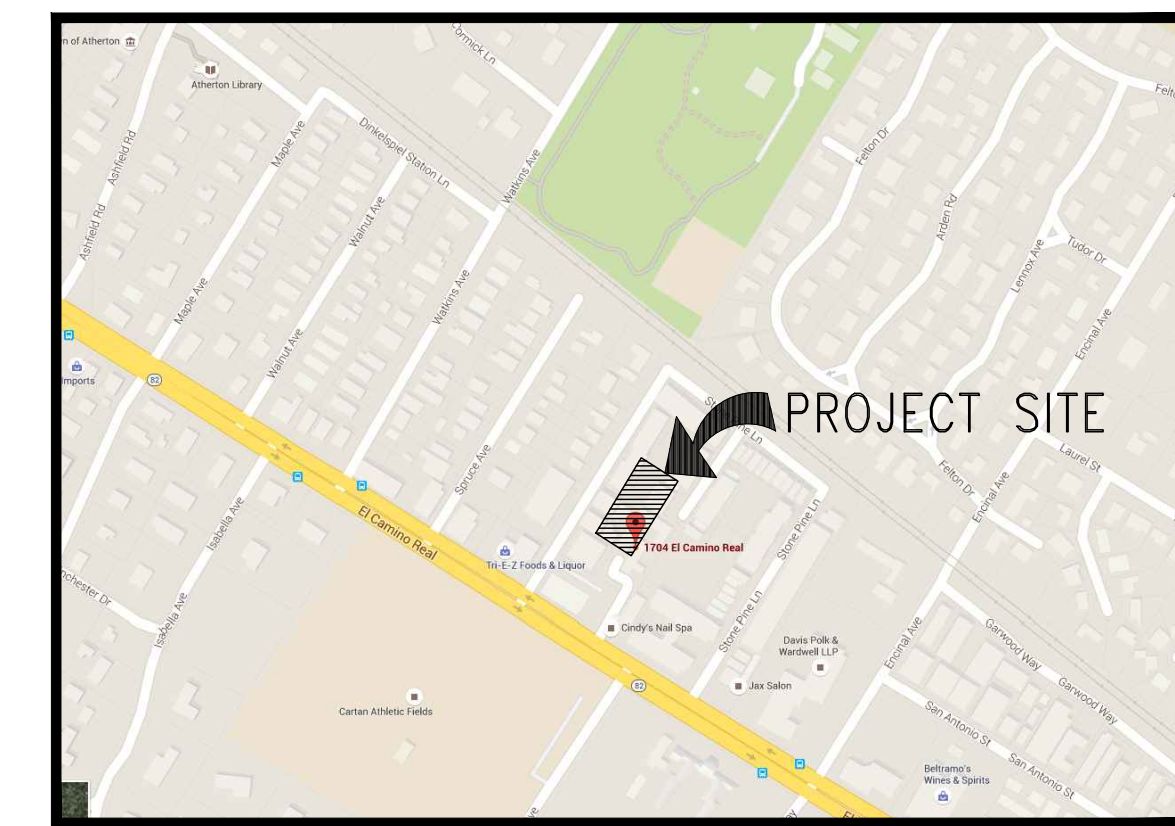
GENERAL CIVIL NOTES

GENERAL:

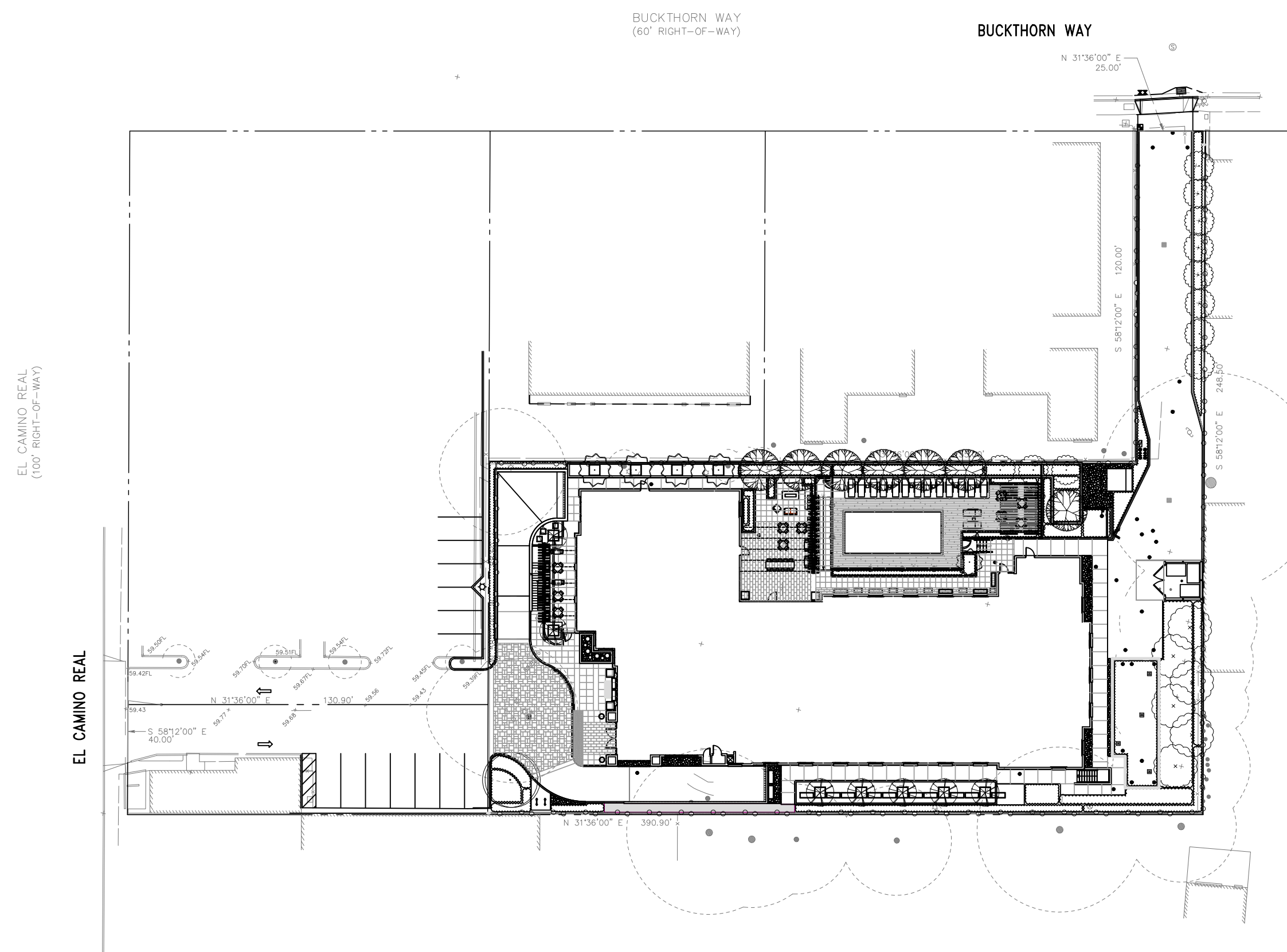
- ALL PERMITS WILL BE SECURED BY THE OWNER AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- THE CONTRACTOR SHALL TAKE EFFECTIVE ACTION TO PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR DAMAGE RESULTING FROM THEIR FAILURE TO DO SO.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR SAFETY.
- THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR THE POLICE, FIRE AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF THE JOB SITE.
- LENGTHS OF SANITARY SEWERS AND STORM DRAINS SPECIFIED ARE HORIZONTAL DISTANCES AS MEASURED FROM CENTERS OF STRUCTURES ROUNDED TO THE NEAREST FOOT.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL PERFORM AT THEIR EXPENSE A FIELD OBSERVATION LOCATING ALL EXISTING UTILITIES INCLUDING ELEVATIONS AND NOTIFY THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTING LOCATIONS OF UTILITIES SHOWN ON THESE PLANS. ANY ADDITIONAL COST INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF THE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.
- CONTRACTOR TO VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO ANY WORK. ALL WORK FOR STORM DRAIN AND SANITARY SEWER INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UPSTREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY.
- CONTRACTOR SHALL UNCOVER AND EXPOSE ALL EXISTING UTILITY AND SEWER LINES WHERE THEY ARE CROSSED ABOVE OR BELOW BY THE NEW FACILITY BEING CONSTRUCTED IN ORDER TO VERIFY THE GRADE AND TO ASSURE THAT THERE IS SUFFICIENT CLEARANCE. PIPES SHALL NOT BE STRUNG NOR TRENCHING COMMENCED UNTIL ALL CROSSINGS HAVE BEEN VERIFIED FOR CLEARANCE. IF THE CONTRACTOR FAILS TO FOLLOW THIS PROCEDURE HE WILL BE SOLELY RESPONSIBLE FOR ANY EXTRA WORK OR MATERIAL REQUIRED IF MODIFICATIONS TO THE DESIGN ARE NECESSARY.
- ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S SOLE EXPENSE.
- CONTRACTOR TO TAKE NECESSARY PRECAUTIONARY MEASURES TO PREVENT SOIL EROSION AND SEDIMENTATION. EXISTING AND PROPOSED DRAINAGE STRUCTURES TO BE TEMPORARILY COVERED WITH FILTER FABRIC OR EQUAL UNTIL SURROUNDING PAVEMENT IS INSTALLED.
- ANY RELOCATION OF UTILITIES SHALL BE COORDINATED WITH THE OWNER AND CONDUCTED IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE OWNER, INCLUDING FEES, BONDS, PERMITS AND WORKING CONDITIONS, ETC. THE OWNER SHALL PAY THE FEES, BONDS, AND FILE THE APPROPRIATE PERMITS FOR ALL SUCH RELOCATION WORK. ALL ON-SITE UTILITY WORK IS THE RESPONSIBILITY OF THE CONTRACTOR (MATERIALS AND INSTALLATION).
- IF ARCHAEOLOGICAL MATERIALS ARE UNCOVERED DURING GRADING, TRENCHING OR OTHER EXCAVATION, EARTHWORK WITHIN 100 FEET OF THESE MATERIALS SHALL BE STOPPED UNTIL A PROFESSIONAL ARCHAEOLOGIST WHO IS CERTIFIED BY THE SOCIETY OF CALIFORNIA ARCHAEOLOGY (SCA) AND/OR THE SOCIETY OF PROFESSIONAL ARCHAEOLOGY (SOPA) HAS HAD AN OPPORTUNITY TO EVALUATE THE SIGNIFICANCE OF THE FIND AND SUGGEST APPROPRIATE MITIGATION MEASURES, IF THEY ARE DEEMED NECESSARY.
- THESE PLANS DO NOT SPECIFY NOR RECOMMEND THE USE OR INSTALLATION OF ANY MATERIAL OR EQUIPMENT WHICH IS MADE FROM, OR WHICH CONTAINS ASBESTOS FOR USE IN THE CONSTRUCTION OF THESE IMPROVEMENTS. ANY PARTY INSTALLING OR USING SUCH MATERIALS OR EQUIPMENT SHALL BE SOLELY RESPONSIBLE FOR ALL INJURES, DAMAGES, OR LIABILITIES, OF ANY KIND, CAUSED BY THE USE OF SUCH MATERIALS, OR EQUIPMENT. NOTIFY OWNER WHEN DISCOVERING ASBESTOS MATERIALS. REFER TO SPECIFICATION 'HAZARDOUS MATERIALS PROCEDURES AND CONTROL' AND 'HAZARDOUS MATERIALS ABATEMENT AND CONTROL.'
- THE CONTRACTOR SHALL MEET AND FOLLOW ALL (NPDES) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM REQUIREMENTS IN EFFECT AT THE TIME OF CONSTRUCTION.
- SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
- CONTRACTOR SHALL ARRANGE, INSTALL, AND PAY FOR ANY TEMPORARY UTILITIES, INCLUDING BUT NOT LIMITED TO TELEPHONE, ELECTRIC, SEWER, WATER, ETC.. THE CONTRACTOR IS TO COORDINATE ANY SUCH UTILITY NEEDS WITH THE OWNER.
- ALL SITE AREAS SHALL BE GRADED AT 1% MINIMUM FOR DRAINAGE UNLESS OTHERWISE NOTED OR ALONG FLOWLINES OF CONCRETE LINED GUTTERS AND VALLEY GUTTERS.
- ESTIMATED EARTHWORK QUANTITIES SHOWN ARE APPROXIMATE ONLY AND SHOWN FOR THE PURPOSES OF ESTIMATING GRADING PERMIT FEES, HOBBACH-LEWIN ASSUMES NO LIABILITY FOR THE ACCURACY OF THESE QUANTITIES.
- WHERE EXISTING STRUCTURES ARE TO REMAIN IN CONSTRUCTION ZONE AREA, CONTRACTOR SHALL ADJUST RIMS OF THESE STRUCTURES, I.E. CATCH BASINS, VALVE BOXES, CLEAN OUTS, UTILITY BOXES, ETC. TO NEW FINISH GRADE.
- CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FOR NORTHERN CALIFORNIA AT LEAST 48 HOURS (2 WORKING DAY) PRIOR TO COMMENCEMENT OF CONSTRUCTION. (800) 227-2600.
- THE ORGANIC MATERIAL COVERING THE SITE SHALL BE STRIPPED AND STOCKPILED. THE STRIPPINGS SHALL BE USED TO BACKFILL ALL LANDSCAPE PLANTERS AND ROUGH GRADE MOUND AREAS, AS SHOWN ON LANDSCAPE DRAWINGS, TO WITHIN 1" OF GRADES SHOWN. EXCESS STRIPPINGS AND EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- ADJUSTMENTS TO PAD ELEVATIONS OR PARKING LOT GRADES TO ACHIEVE EARTHWORK BALANCE SHALL BE MADE ONLY WITH APPROVAL OF THE ENGINEER.
- COMPACTION TO BE DETERMINED USING ASTM D1557-LATEST EDITION.
- STORM DRAIN PIPES DESIGNATED AS SD FROM 4" TO 24" IN DIAMETER SHALL BE SDR-35 PVC. (GREEN-TITE PIPE BY MANVILLE OR APPROVED EQUAL), CLASS HDPE SMOOTH INTERIOR PIPE PER ASTM D3212 HANCOR SURE-LOK WT PIPE OR APPROVED EQUAL WITH CLASS 1 BACKFILL OR DUCTILE IRON PIPE DIP, IF SPECIFIED ON PLANS. NO MATERIAL SUBSTITUTE SHALL BE ALLOWED FOR DUCTILE IRON PIPE. ANY PIPES LARGER THAN 24" IN DIAMETER SHALL BE CLASS III REINFORCED CONCRETE PIPE RCP. PVC PIPE EXCEEDING 24" DIAMETER SHALL ONLY BE USED WHEN APPROVED BY MANUFACTURER IN THIS JURISDICTION.
- PROPOSED SPOT GRADES (ELEVATIONS) SHOWN HEREON ARE FINISHED PAVEMENT GRADES, NOT TOP OF CURB GRADES, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL VERIFY THE CONTENTS AND THICKNESS OF THE BUILDING SLAB SECTION (IE: CONCRETE, SAND, ROCK) WITH THE STRUCTURAL PLANS AND THE ELEVATIONS SHOWN HEREON PRIOR TO COMMENCEMENT OF GRADING.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE O.S.H.A. REGULATIONS.
- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
- WHERE OFF-SITE DRIVEWAY APPROACHES ARE TO BE CONSTRUCTED THE ON-SITE DRIVEWAY SHALL NOT BE CONSTRUCTED UNTIL THE OFF-SITE IMPROVEMENTS ARE INSTALLED. THE ON-SITE DRIVEWAY SHALL CONFORM TO THE COMPLETED OFF-SITE DRIVEWAY.

PRELIMINARY IMPROVEMENT PLANS

FOR
HAMPTON INN
1704 EL CAMINO REAL
MENLO PARK, CA



VICINITY MAP



LEGEND

| BOUNDARY LINES | |
|---------------------|------------------------|
| --- | CENTER LINE |
| - - - - | EASEMENT LINE |
| --- | PROPERTY LINE |
| - - - - | ADJACENT PROPERTY LINE |
| MISCELLANEOUS LINES | |
| --- | SIDEWALK |
| - - - - | LIP OF GUTTER |
| - X - X - | FENCE-WIRE |
| - - - - | BIORETENTION |
| - - - - | GARAGE OUTLINE |
| UTILITY LINES | |
| - FS - FS - | FIRE SERVICE |
| - G - G - | GAS LINE |
| - IRR - IRR - | IRRIGATION LINE |
| - SS - SS - | STORM DRAIN |
| - W - W - | SANITARY SEWER |
| - - - - | WATER |
| - - - - | PERFORATED PIPE |

ABBREVIATIONS

| | |
|------|---------------------------|
| AB | AGGREGATE BASE |
| AC | ASPHALTIC CONCRETE |
| AD | AREA DRAIN |
| ATT | AT&T |
| BC | BACK OF CURB |
| BFP | BACKFLOW PREVENTER |
| BLDG | BUILDING |
| BOL | BOLLARD |
| BOW | BACK OF WALK |
| BW | BOTTOM OF WALK |
| C | CONCRETE |
| CATV | CABLE TV |
| CB | CATCH BASIN |
| CONC | CONCRETE |
| COTG | CLEANOUT TO GRADE |
| DI | DRAIN INLET |
| DS | DOWN SPOUT |
| E | ELECTRIC OR EAST |
| EX | EXISTING |
| (E) | EXISTING |
| ELEC | ELECTRIC |
| ESMT | EASEMENT |
| G | GAS |
| GB | GRADE BREAK |
| FF | FINISHED FLOOR |
| FG | FINISHED GRADE |
| FL | FLOWLINE |
| FNC | FENCE |
| FS | FINISHED SURFACE |
| GRN | GROUND |
| HP | HIGH POINT |
| INV | INVERT |
| JP | JOINT POLE |
| LF | LINEAR FEET |
| LIP | LIP OF GUTTER |
| LP | LOW POINT |
| LT | LIGHT |
| M | MATS |
| N | NORTH |
| NE | NORTHEAST |
| NW | NORTHWEST |
| OC | ON CENTER |
| OH | OVERHEAD |
| OR | OF RECORD |
| PGE | PACIFIC GAS & ELECTRIC |
| PV | PAVEMENT |
| RC | RELATIVE COMPACTION |
| RD | ROOF DRAIN |
| RW | RECYCLED WATER |
| RWL | RAINWATER LEADER |
| RIM | RIM OF UTILITY OBJECT |
| S | SOUTH |
| SD | STORMDRAIN |
| SE | SOUTHEAST |
| SF | SQUARE FEET |
| SJWC | SAN JOSE WATER COMPANY |
| SS | SANITARY SEWER |
| SL | STREET LIGHT |
| SW | SOUTHWEST |
| T | TREE |
| TC | TOP OF CURB |
| TD | TRENCH DRAIN |
| TW | TOP OF WALL |
| TYP. | TYPICAL |
| USA | UNDERGROUND SERVICE ALERT |
| VG | VALLEY GUTTER |
| W | WATER/WEST/WITH |
| WM | WATER METER |
| WTR | WATER |
| WV | WATER VALVE |

BENCHMARK:

(SURVEY BY MACLEOD AND ASSOCIATES, 6/21/16)

ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON NGVD29 DATUM. ADD 2.72 FEET TO ELEVATIONS TO CONVERT NGVD29 DATUM TO NAVD88 DATUM.

REFERENCED CITY BENCHMARK:
UU110
ORIGINALLY 71.13 NGVD29 DATUM
CURRENTLY 73.85 NAVD88 DATUM

FLOOD ZONE NOTE:

THE SUBJECT PROPERTY LIES ENTIRELY WITHIN FLOOD ZONE "X", AREA OF MINIMAL FLOOD HAZARD, BASED ON FLOOD INSURANCE RATE MAP 06081C0304E, 10/16/2012.

ADA COMPLIANCE:

- ALL NEW WORK SHALL CONFORM TO TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE AND THE AMERICANS WITH DISABILITIES ACT 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, AND ANY LOCAL OR STATE AMENDMENTS THEREOF.
- ALL NEW CURB RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33%).
- ALL NEW ENTRANCE WALKS TO THE BUILDINGS SHALL NOT EXCEED A SLOPE OF 1:20 (5%) LONGITUDINALLY UNLESS RAILINGS ARE PROVIDED IN WHICH CASE THE SLOPE SHALL NOT EXCEED 1:12 (8.33%). SEE ARCHITECTURAL PLANS FOR RAILING REQUIREMENTS.
- LANDINGS SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS WITH A 2% MAXIMUM SLOPE THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPENS ONTO THE LANDING.
- RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5%) AND 1:12 (8.33%), AND SHALL HAVE A MINIMUM WIDTH OF 48" AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 30" VERTICAL DROP SHALL HAVE INTERMEDIATE (2% MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72".
- MAXIMUM CROSS-SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2%. MAXIMUM SLOPE IN ANY DIRECTION WITHIN PARKING STALLS DESIGNATED AS ACCESSIBLE PARKING STALL SHALL BE 2%.

GEOTECHNICAL CRITERIA:

- ALL WORK INCLUDING GRADING, TRENCHING, COMPACTION, AND SUBBASES SHALL FOLLOW THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL REPORT.
- ALL ENGINEERED FILL SHALL HAVE A MINIMUM RELATIVE COMPACTION PER PROJECT GEOTECHNICAL REPORT.

GENERAL NOTES CONTINUATION

GRADING NOTES:

- UNDERGROUND UTILITY LOCATIONS SHOWN HEREON WERE TAKEN FROM RECORD DATA. NO GUARANTEE IS MADE OR IMPLIED AS TO THE ACCURACY OF SUCH RECORD DATA. NO EXCAVATIONS WERE MADE TO CONFIRM LOCATIONS. CONTRACTORS ARE CAUTIONED TO CONTACT U.S.A. UNDERGROUND AND TO EXERCISE EXTREME CARE IN VERIFYING ALL LOCATIONS PRIOR TO COMMENCING EXCAVATIONS OR OTHER WORK WHICH MAY AFFECT THESE UTILITIES.
- IRRIGATION LATERALS, PARKING LOT LIGHTING WIRING AND SIGNAL WIRING NOT SHOWN. VERIFY LOCATION BEFORE COMMENCING TRENCHING. REPLACE OR REPAIR IMMEDIATELY WHERE BROKEN TO PROVIDE UNINTERRUPTED SERVICE.
- ALL FINISH GRADES SHOWN ARE FINISH GRADE ELEVATIONS UNLESS NOTED OTHERWISE.

UTILITY NOTES:

- THIS SURVEY IS NOT INTENDED TO REPRESENT THE EXACT LOCATIONS, SIZES OR EXTENT OF THE UTILITIES WITHIN THE AREA ENCOMPASSED BY THIS SURVEY. THEREFORE, IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO VERIFY THE LOCATION, SIZE AND EXTENT OF ANY EXISTING UTILITIES PRIOR TO DESIGN OR CONSTRUCTION. CONTRACTORS ARE CAUTIONED TO CONTACT U.S.A. UNDERGROUND AND TO EXERCISE EXTREME CARE IN VERIFYING ALL LOCATIONS PRIOR TO COMMENCING EXCAVATIONS OR OTHER WORK WHICH MAY AFFECT THESE UTILITIES.
- IRRIGATION LATERALS, PARKING LOT LIGHTING WIRING AND SIGNAL WIRING NOT SHOWN. VERIFY LOCATION BEFORE COMMENCING TRENCHING. REPLACE OR REPAIR IMMEDIATELY WHERE BROKEN TO PROVIDE UNINTERRUPTED SERVICE.
- UTILITY ABANDONMENT/REMOVAL: DISCONNECT AND CAP PIPES AND SERVICES TO REMAIN. REMOVE ALL PORTIONS OF ALL UTILITIES WITHIN NEW BUILDING FOOTPRINT AND DISPOSE OF OFF-SITE. OTHERWISE ABANDON IN PLACE UNLESS NOTED OTHERWISE.
- NOTIFY THE ENGINEER IMMEDIATELY OF ANY UTILITIES ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS. PRESERVE AND REPAIR ANY UTILITIES THAT ARE DAMAGED AND THAT ARE TO REMAIN.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CROSSINGS OF NEW UTILITIES WITH EACH OTHER, AND WITH EXISTING UTILITIES. VERIFY EXISTING PIPE LOCATION AND INVERT PRIOR TO INSTALLING NEW UTILITIES. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR DEVIATIONS.
- PRIOR TO CONNECTING TO EXISTING UTILITIES FIELD VERIFY LOCATION & INVERT OR DEPTH PRIOR TO INSTALLING NEW PIPE OR EQUIPMENT.
- EACH BUILDING WATER SERVICE CONNECTION SHALL BE WITH VALVE AND VALVE BOX SET AT GRADE.
- ALL BUILDING SEWER LATERALS SHALL BE WITH CLEANOUT TO GRADE.
- ALL CATCH BASINS WITHIN VEHICULAR AREAS SHALL BE TRAFFIC RATED FOR H20 VEHICULAR LOADS. FOR CATCH BASINS IN WALKWAY AREAS, INCLUDING EXISTING CATCH BASINS, USE HEEL PROOF AND ADA GRATE.

Cover Sheet

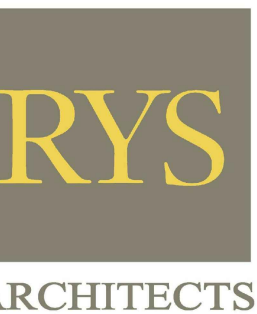
SAGAR PATEL



MENLO PARK, CALIFORNIA

SHEET NO. **C1.0**

PLANNING SUBMITTAL 3/14/2019



GRADING LEGEND

- GRADE ELEVATION
- SLOPE AND DIRECTION
- GARAGE WALL OUTLINE

GRADING KEYNOTES

- 1 INSTALL NEW 6" CURB
- 2 INSTALL NEW CURB & GUTTER
- 3 INSTALL NEW FLUSH CURB
- 4 SAWCUT AND CONFORM
- 5 NEW DRIVEWAY PER CITY OF MENLO PARK STANDARD DETAIL CG-13. SEE DETAIL 3/C7.0.
- 6 FLOW-THROUGH PLANTER. SEE DETAIL 1/C7.0
- 7 SAWCUT & CONFORM TO NEAREST EXPANSION OR SCORE MARK.

ARBORIST NOTE

TRENCHING OR OTHER ACTIVITIES WITHIN TREE PROTECTION ZONES (TPZ), AS OUTLINED IN THE PROJECT ARBORIST REPORT BY ARBOR RESOURCES, DATED 7/16/2018, SHOULD BE HAND-DUG OR BY HAND-MEANS AND PER ARBORIST REPORT RECOMMENDATIONS.

CITY OF MENLO PARK UTILITY NOTE

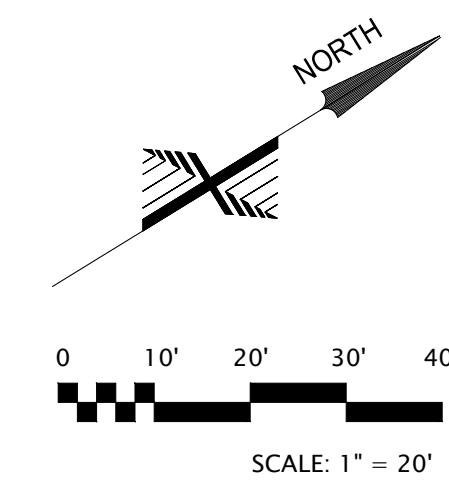
LATERAL CONNECTIONS TO OVERHEAD ELECTRIC, FIBER OPTIC AND COMMUNICATIONS SHALL BE PLACED IN JOINT TRENCH. SEE MEP DRAWINGS.

PAVEMENT LEGEND

- CONCRETE (PEDESTRIAN AREAS) 5" CONCRETE W/ #4 12" O.C. E.W. OVER 6" CLASS 2 BASEROCK COMPACTED TO 95% R.C. OVER NATIVE SOILS COMPACTED TO 90% R.C.
- VEHICULAR CONCRETE 6" CONCRETE W/ #4 12" O.C. E.W. OVER 6" CLASS 2 BASEROCK COMPACTED TO 95% R.C. OVER NATIVE SOILS COMPACTED TO 90% R.C.
- PERMEABLE PAVERS
- PAVERS (SEE LANDSCAPE PLANS)
- DECOMPOSED GRANITE (SEE LANDSCAPE PLANS)
- LANDSCAPE (SEE LANDSCAPE PLANS)

PAVEMENT NOTE

- SEE LANDSCAPE PLANS FOR PAVING PATTERNS AND MATERIALS NOT SHOW AS WELL AS CONCRETE COLOR SCORE MARK LOCATIONS.



DISCLAIMER: TOPOGRAPHIC INFORMATION, INCLUDING PROPERTY LINES, EXISTING GRADES, EXISTING UTILITIES LOCATIONS, ETC., SHOWN ARE FOR GENERAL REFERENCE ONLY AND HAVE BEEN PROVIDED BY OTHERS AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY HOBACH-LEWIN, INC.

SHEET NO. **C3.0**

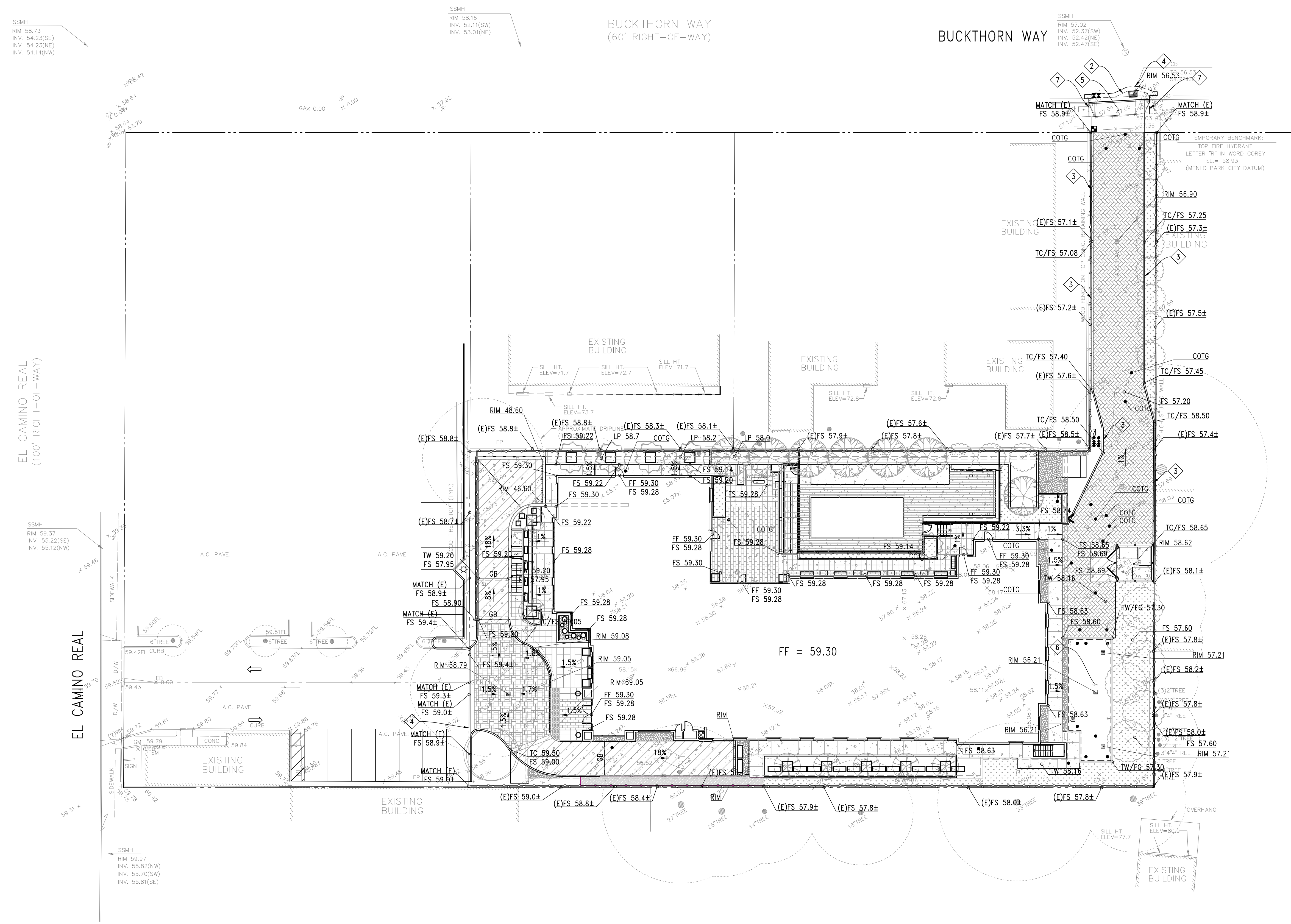
PLANNING SUBMITTAL 3/14/2019

PROJ. NO.: 15111
HOBACH-LEWIN #11084.31



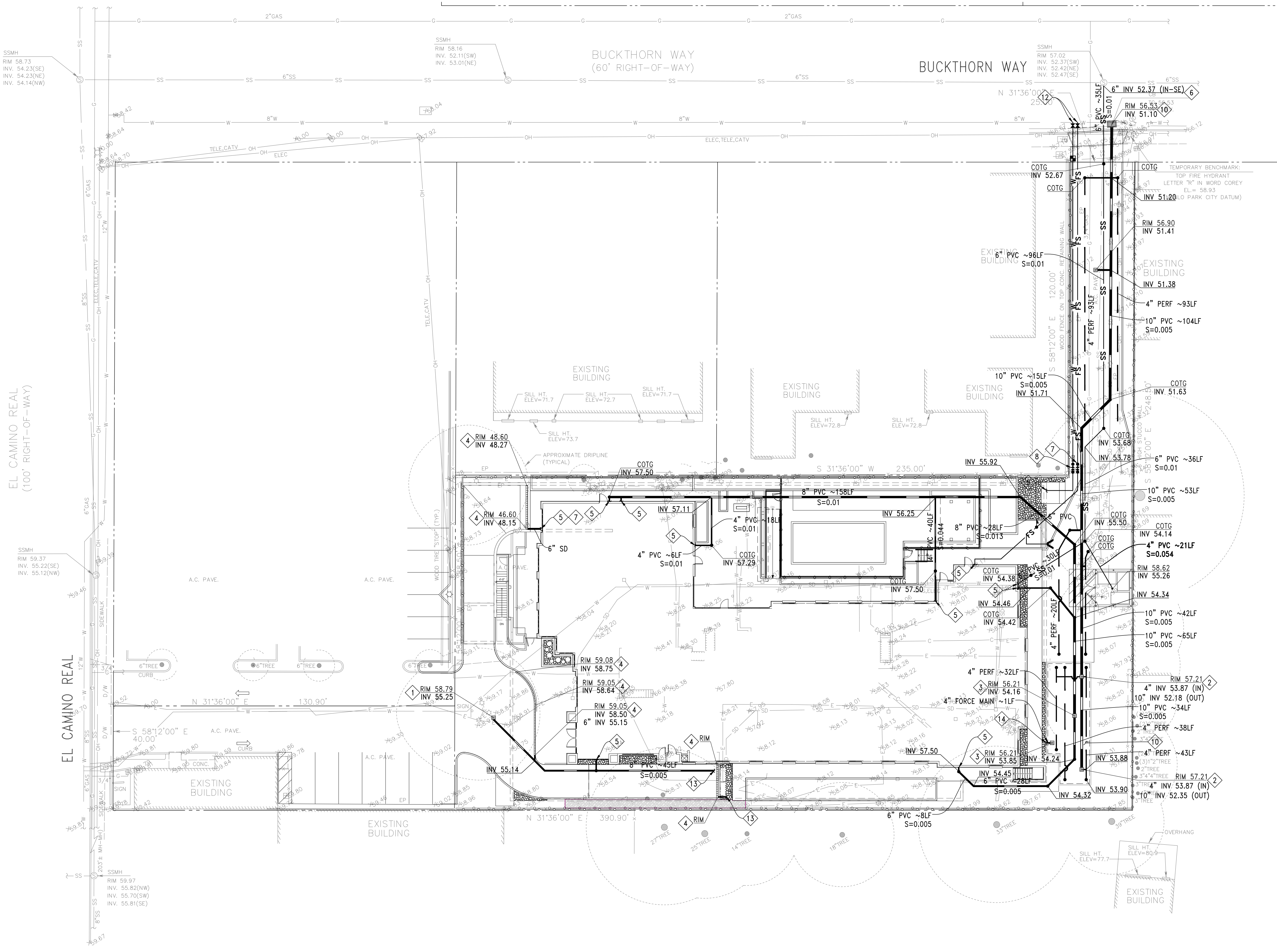
Preliminary Grading & Drainage Plan

SAGAR PATEL



MENLO PARK, CALIFORNIA

Plot Date: Mar 13, 2019 - 3:58pm



UTILITY LEGEND

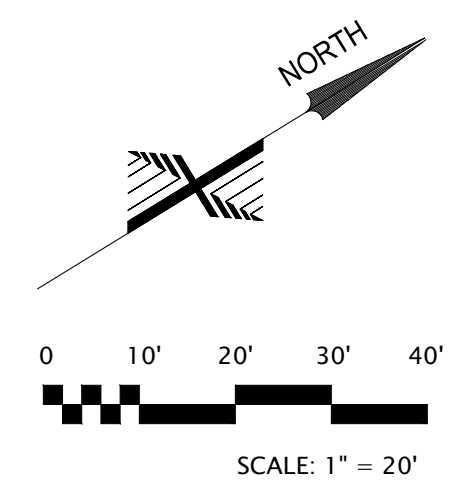
| | |
|--|----------------------------|
| | WATER VALVE |
| | WATER METER |
| | BACKFLOW PREVENTER |
| | CATCH BASIN |
| | AREA DRAIN |
| | CLEANOUT TO GRADE |
| | FIRE DEPARTMENT CONNECTION |
| | GARAGE WALL OUTLINE |

- UTILITY KEYNOTES**
- 1 18"x18" CATCH BASIN
 - 2 18"x18" OVERFLOW CATCH BASIN
 - 3 18"x18" BUBBLER
 - 4 TRENCH DRAIN
 - 5 SEE MEP DRAWINGS FOR CONTINUATION
 - 6 CONNECT TO EXISTING SANITARY SEWER MANHOLE PER WEST BAY SANITARY DISTRICT STANDARDS
 - 7 DOUBLE DETECTOR CHECK ASSEMBLY
 - 8 DOMESTIC BACKFLOW PREVENTER
 - 9 FLOW-THROUGH PLANTER. SEE DETAIL 1/C7.0
 - 10 BUBBLER PER CITY STANDARD DETAILS DR-7 AND DR-10. SEE DETAILS 4 AND 5/C7.0.
 - 11 FIRE DEPARTMENT CONNECTION
 - 12 CONNECT TO EXISTING WATER PER CITY OF MENLO PARK STANDARDS
 - 13 DOWN TO GARAGE LEVEL PUMP. SEE MEP DRAWINGS.
 - 14 UP FROM GARAGE LEVEL PUMP. SEE MEP DRAWINGS.

ARBORIST NOTE
 TRENCHING OR OTHER ACTIVITIES WITHIN TREE PROTECTION ZONES (TPZ), AS OUTLINED IN THE PROJECT ARBORIST REPORT BY ARBOR RESOURCES, DATED 7/16/2018, SHOULD BE HAND-DUG OR BY HAND-MEANS AND PER ARBORIST REPORT RECOMMENDATIONS.

CITY OF MENLO PARK NOTE - POTENTIAL UTILITY CONFLICTS
 DURING THE DESIGN PHASE OF THE CONSTRUCTION DRAWINGS, ALL POTENTIAL UTILITY CONFLICTS WILL BE POTHOLED WITH ACTUAL DEPTHS RECORDED ON THE IMPROVEMENT PLANS SUBMITTED FOR CITY REVIEW AND APPROVAL.

CITY OF MENLO PARK UTILITY NOTE
 LATERAL CONNECTIONS TO OVERHEAD ELECTRIC, FIBER OPTIC AND COMMUNICATIONS SHALL BE PLACED IN JOINT TRENCH. SEE MEP DRAWINGS.



DISCLAIMER: TOPOGRAPHIC INFORMATION, INCLUDING PROPERTY LINES, EXISTING GRADES, EXISTING UTILITIES LOCATIONS, ETC., SHOWN ARE FOR GENERAL REFERENCE ONLY AND HAVE BEEN PROVIDED BY OTHERS AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY HOBBACH-LEWIN, INC.

Preliminary Utility Plan

SAGAR PATEL

SHEET NO. **C4.0**

PLANNING SUBMITTAL 3/14/2019

PROJ. NO.: 15111
 HOBBACH-LEWIN #11084.31



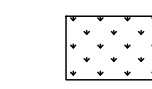
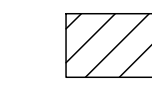
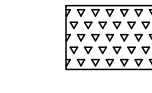



MENLO PARK, CALIFORNIA

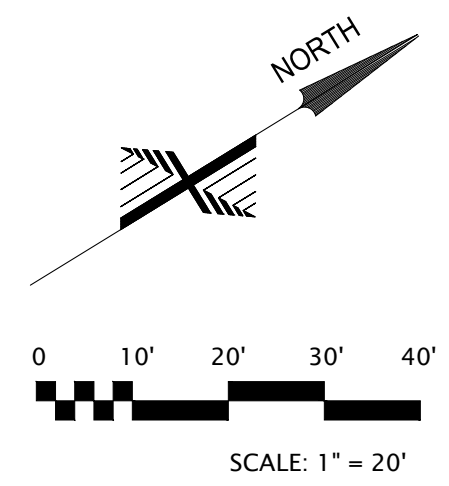
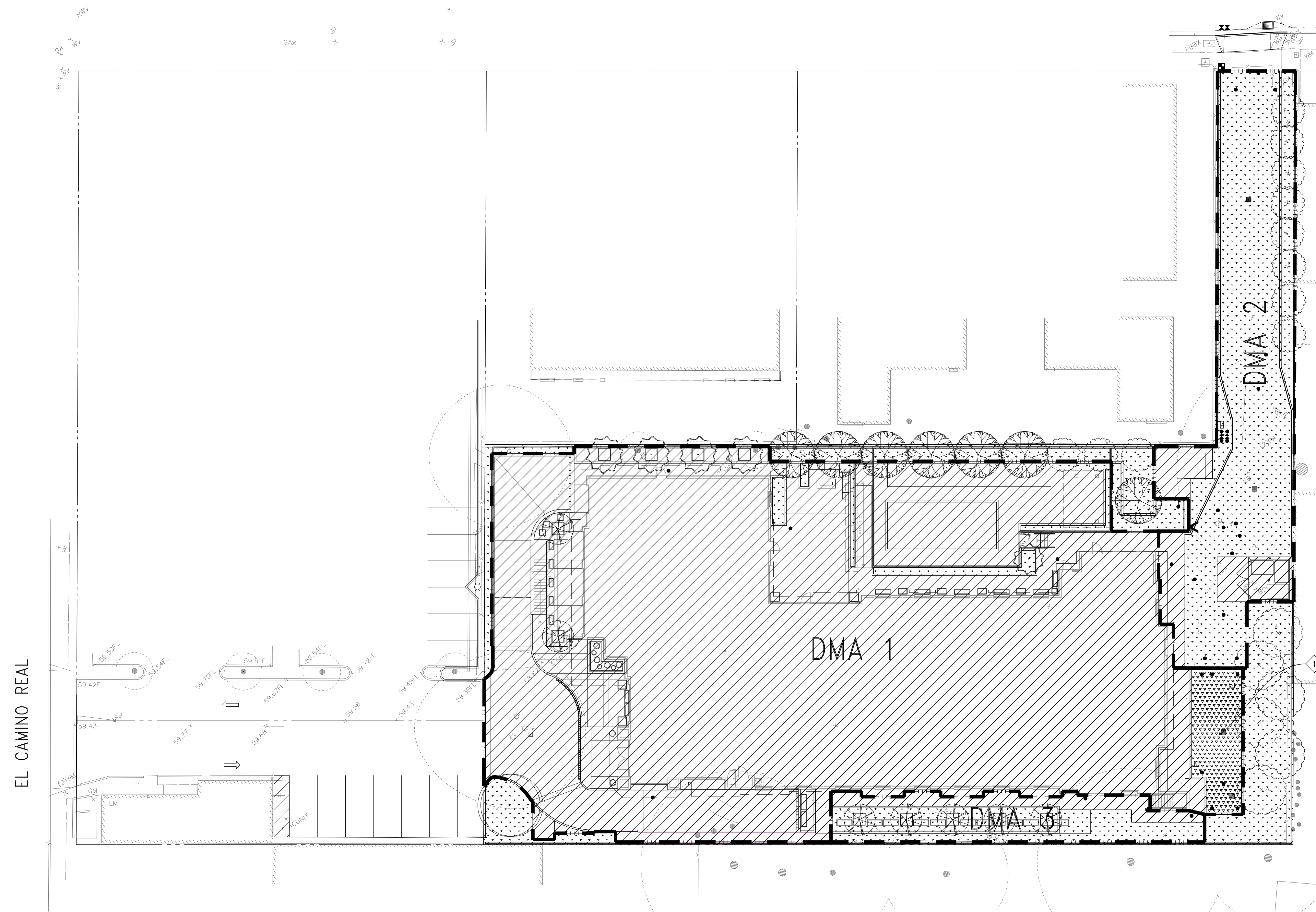
Plot Date: Mar 13, 2019 - 3:58pm

BUCKTHORN WAY
(60' RIGHT-OF-WAY)

BUCKTHORN WAY

LEGEND

-  PERVIOUS AREA (LANDSCAPE, C.3 TREATMENT, PERVIOUS PAVERS)
-  IMPERVIOUS AREAS
-  BIORETENTION AREA
-  PERVIOUS PAVERS
-  DRAINAGE MANAGEMENT AREA (DMA)
-  ROOF OUTLINE



Impervious and Pervious Area Comparison

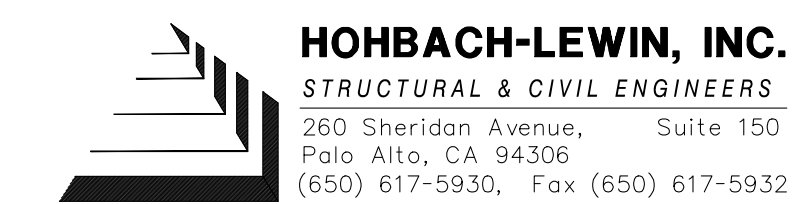
| | Existing Conditions (sf) | Percentage (%) | Proposed Conditions (sf) | Percentage (%) | Net Change (sf) |
|---------------------------|--------------------------|----------------|--------------------------|----------------|-----------------|
| Impervious Surface | 29,931 | 82.2 | 26,512 | 72.8 | -3,419 |
| Pervious Surface | 6,479 | 17.8 | 9,898 | 27.2 | 3,419 |
| Total Project Area | 36,410 | | 36,410 | | |

Storm Water Treatment Summary

| Drainage Management Area | Total Area | | Impervious Area | | Pervious Area | | Average Run-off Coefficient | | Provided Treatment Measure | Required Area or Depth of Treatment Measure | Provided Area or Depth of Treatment Measure |
|--------------------------|------------------|--------------|-----------------|-------|---------------|-------|-----------------------------|-------------------------------------|----------------------------|---|---|
| | sf | ac | sf | ac | sf | ac | C _w | | | | |
| DMA 1 | 25,749 | 0.591 | 24,683 | 0.567 | 1,066 | 0.024 | 0.867 | Flow-through planter | 604 sf* | 682 sf | |
| DMA 2 | 5,638 | 0.129 | 1,038 | 0.024 | 4,600 | 0.106 | 0.247 | Self-retaining area/pervious pavers | 0.23 ft** | .25 ft | |
| DMA 3 | 1,745 | 0.040 | 507 | 0.012 | 1,238 | 0.028 | 0.332 | Self-retaining area | 1 inch | 1 inch | |
| Total | 33,132*** | 0.761 | 26,228 | | 6,904 | | | | | | |

- * REQUIRED TREATMENT AREA USING THE COMBINATION FLOW AND VOLUME DESIGN BASIS PER SAN MATEO COUNTYWIDE WATER POLLUTION PREVENTION PROGRAM C.3 STORM WATER TECHNICAL GUIDANCE MANUAL, JUNE 2016, VERSION 5.0
- ** REQUIRED STORAGE DEPTH USING THE VOLUME DESIGN BASIS PER SAN MATEO COUNTYWIDE WATER POLLUTION PREVENTION PROGRAM C.3 STORM WATER TECHNICAL GUIDANCE MANUAL, JUNE 2016, VERSION 5.0.
- *** THE REMAINING AREA NOT WITHIN ONE OF THE DESIGNATED DRAINAGE MANAGEMENT AREAS ARE PERVIOUS AREAS AND ARE "SELF-TREATING AREAS" PER SECTION 4.2, SAN MATEO COUNTYWIDE WATER POLLUTION PREVENTION PROGRAM C.3 STORM WATER TECHNICAL GUIDANCE MANUAL, JUNE 2016, VERSION 5.0.

DISCLAIMER: TOPOGRAPHIC INFORMATION, INCLUDING PROPERTY LINES, EXISTING GRADES, EXISTING UTILITIES LOCATIONS, ETC., SHOWN ARE FOR GENERAL REFERENCE ONLY AND HAVE BEEN PROVIDED BY OTHERS AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY HOBBACH-LEWIN, INC.



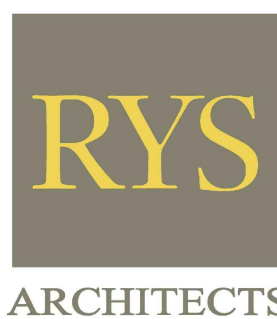
MENLO PARK, CALIFORNIA

Storm Water Treatment Plan

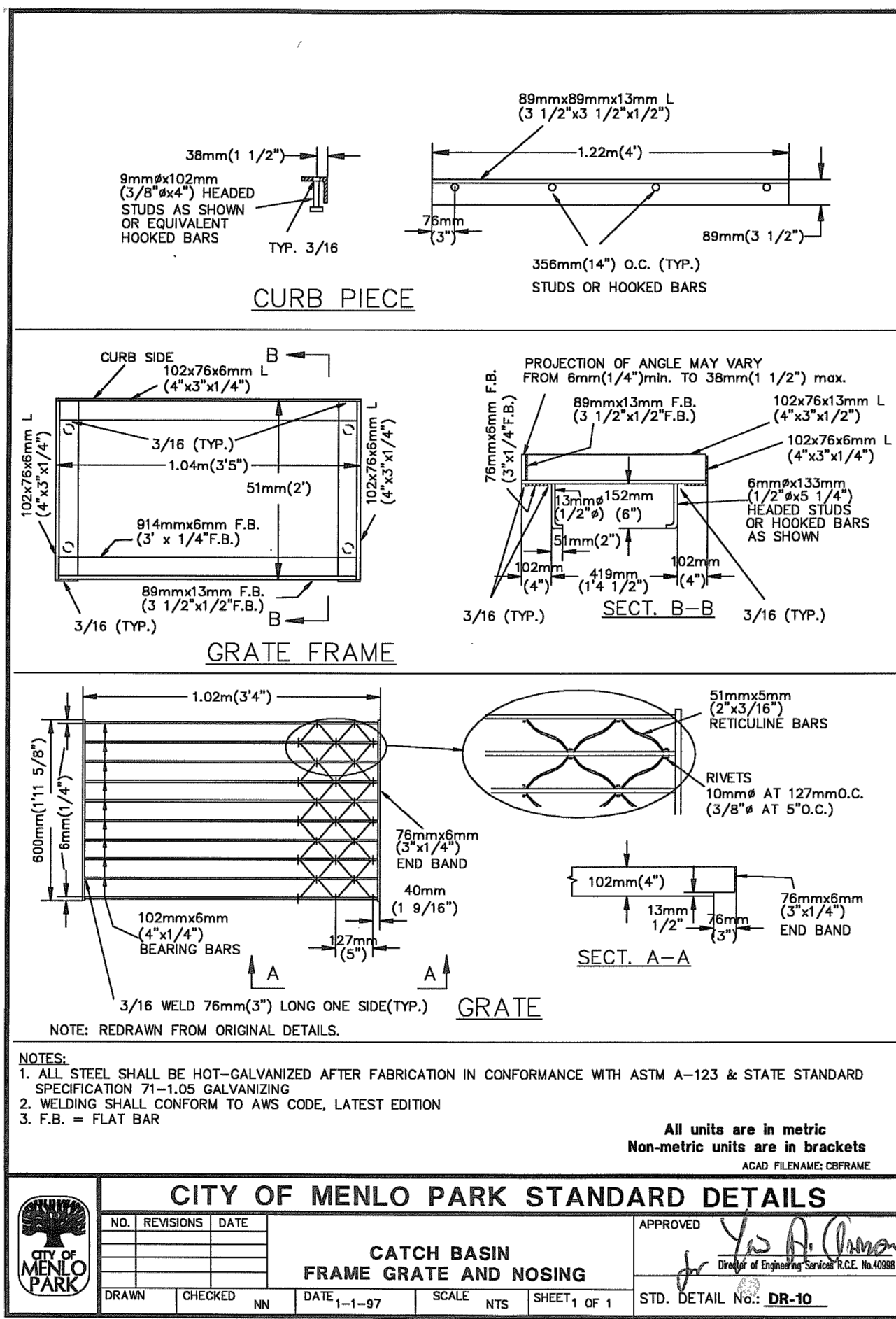
SAGAR PATEL

SHEET NO. **C5.0**

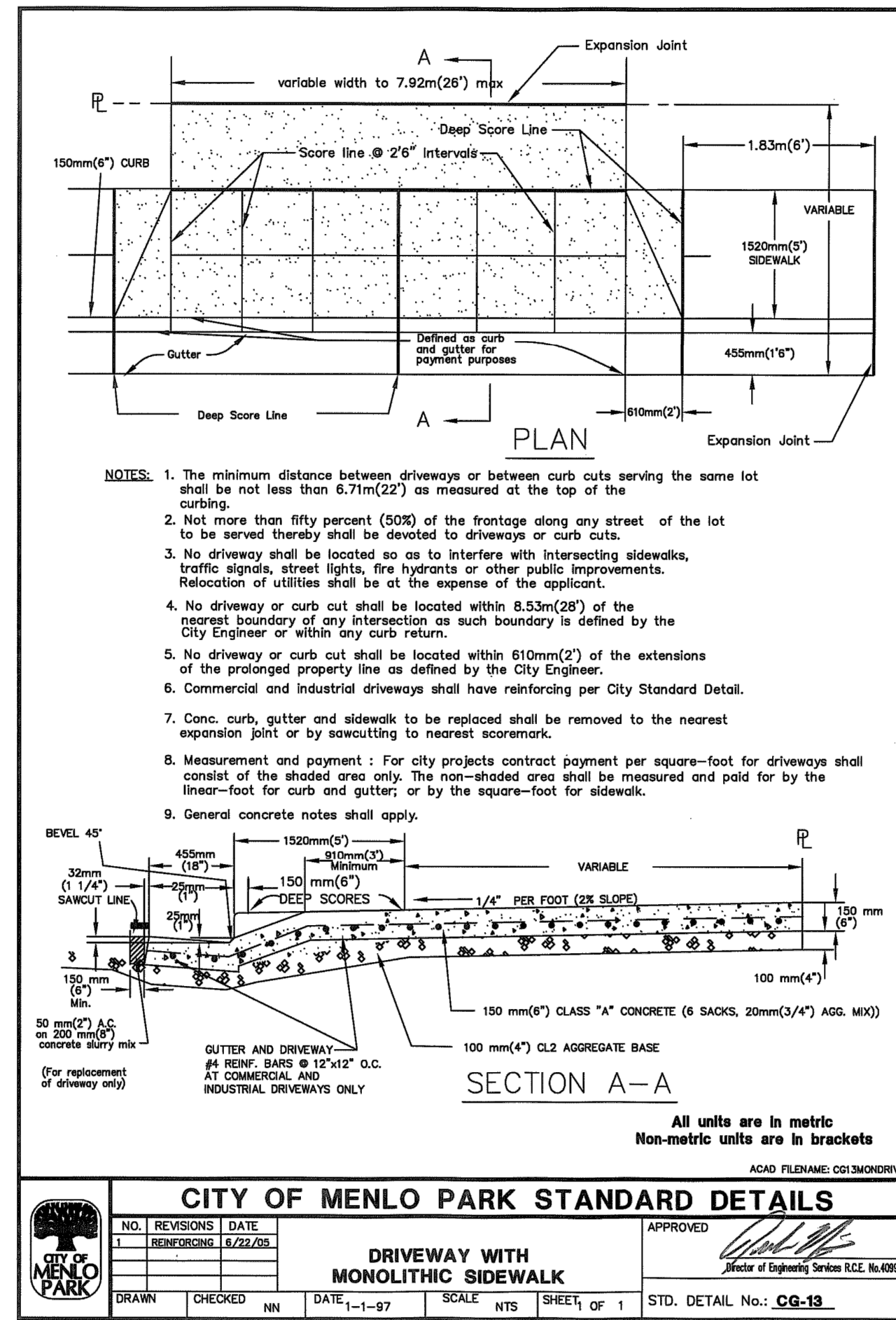
PLANNING SUBMITTAL 3/14/2019



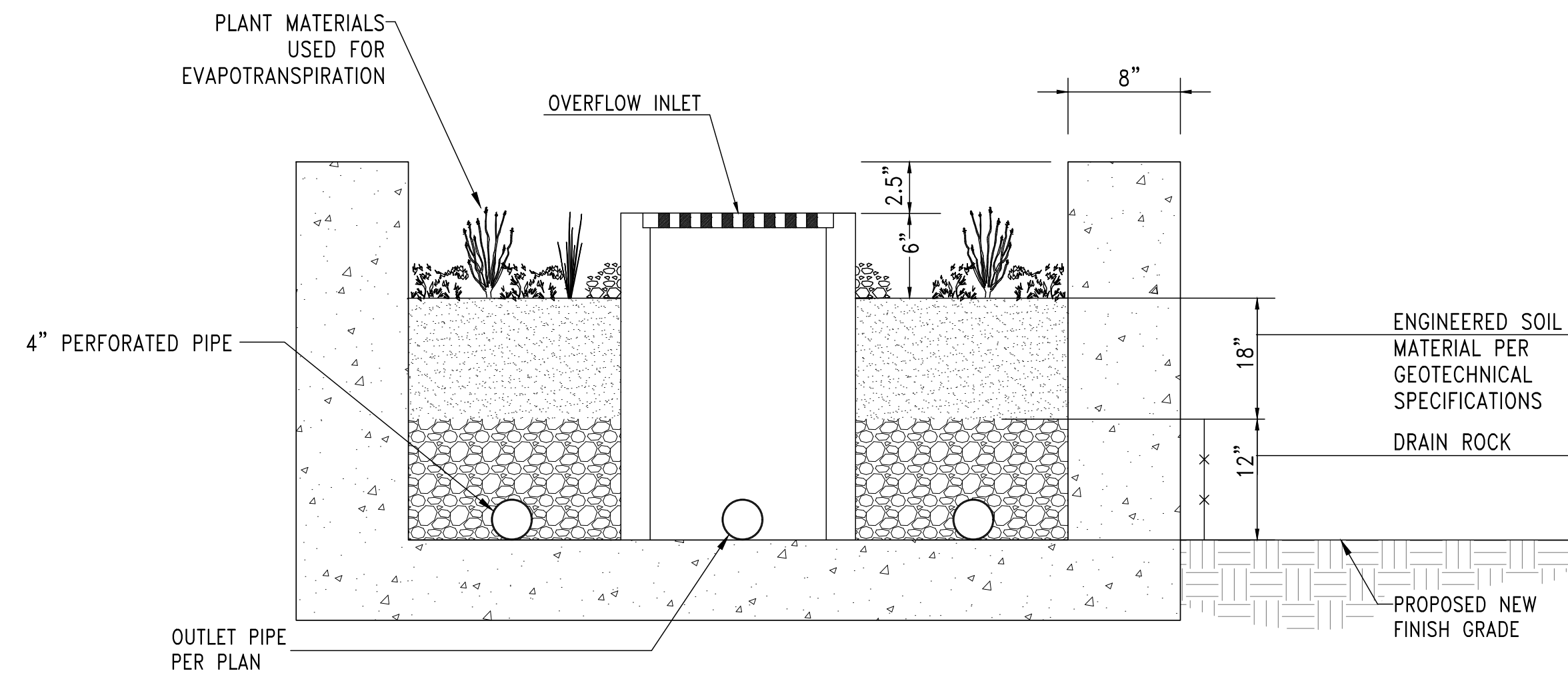
PROJ. NO.: 15111
HOBBACH-LEWIN #11084.31



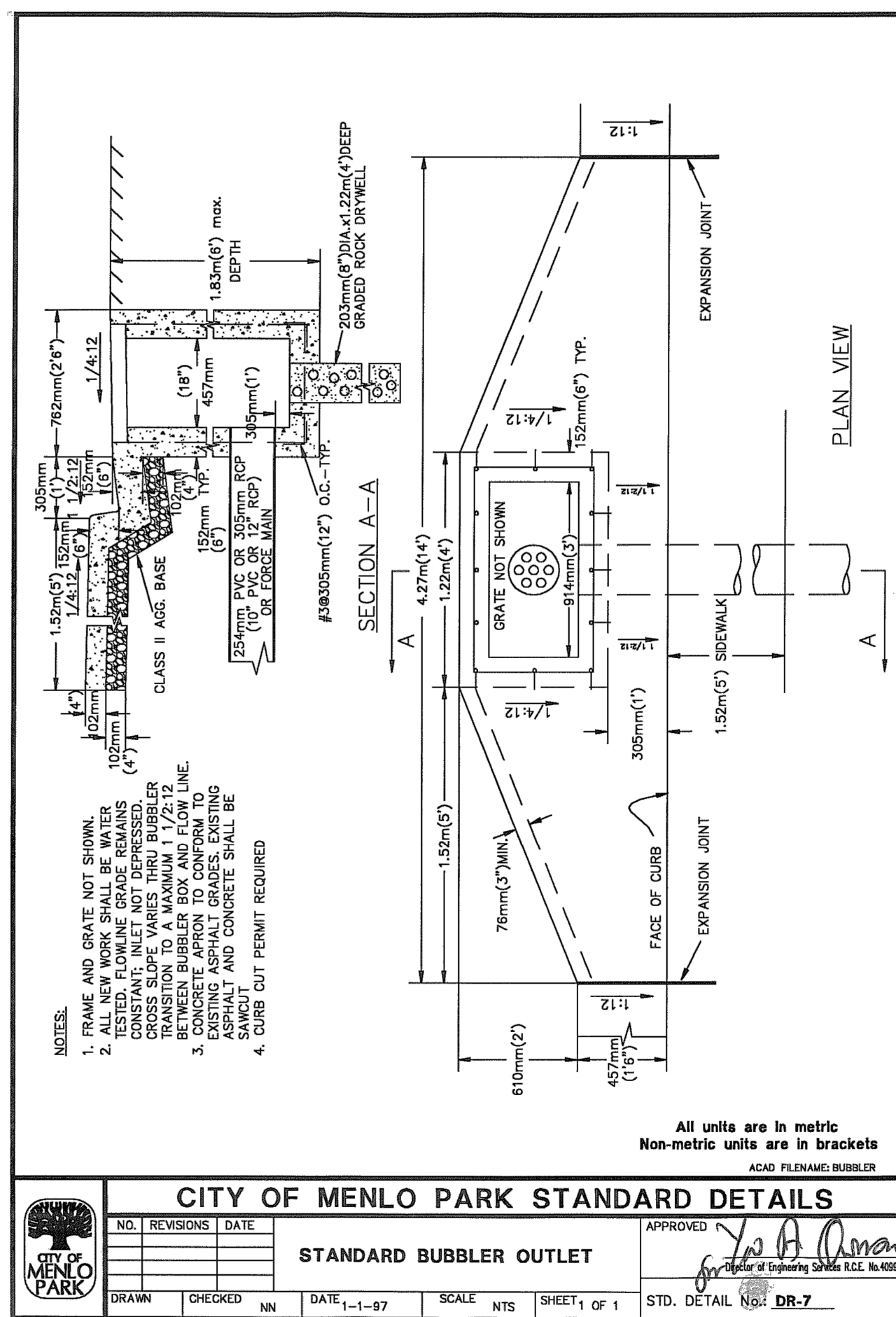
5 CATCH BASIN NOT TO SCALE



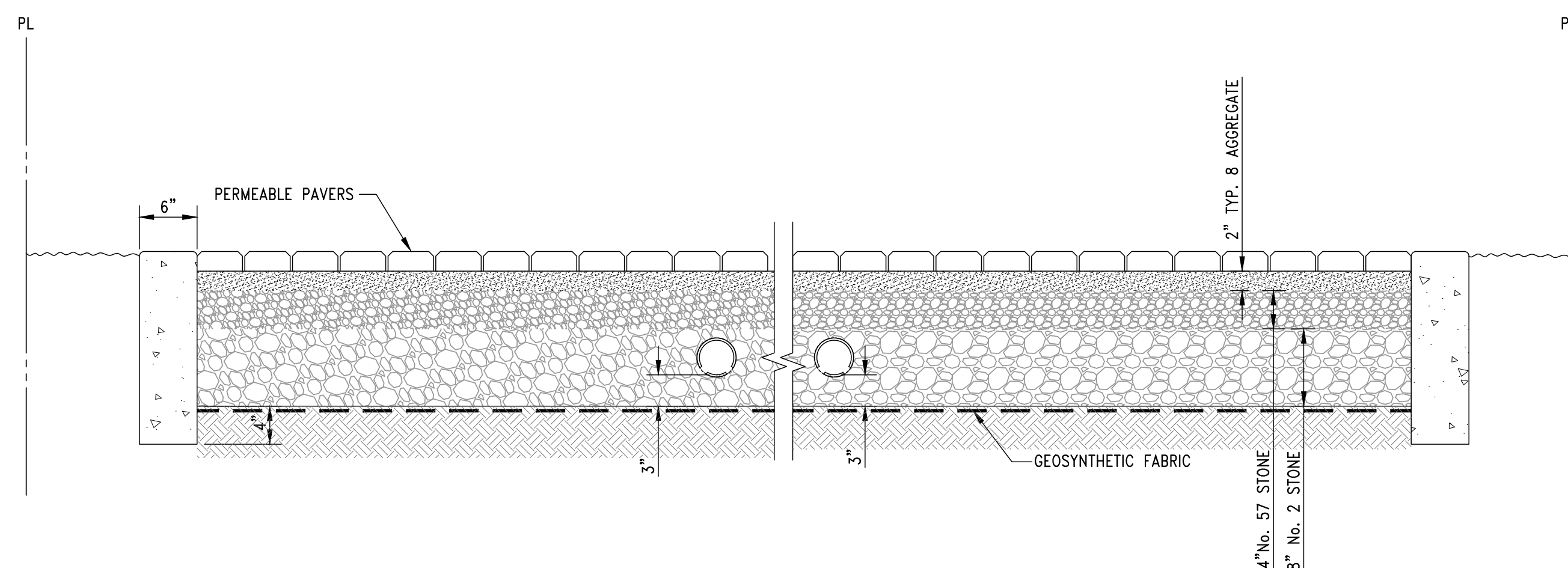
3 DRIVEWAY WITH MONOLITHIC SIDEWALK NOT TO SCALE



1 FLOW-THROUGH PLANTER NOT TO SCALE



4 STANDARD BUBBLER OUTLET NOT TO SCALE



2 FIRE APPARATUS ACCESS ROAD W/ PERMEABLE PAVERS SECTION NOT TO SCALE



MENLO PARK, CALIFORNIA

Plot Date: Mar 13, 2019 - 3:59pm

Details

SAGAR PATEL

SHEET NO. **C7.0**

PLANNING SUBMITTAL 3/14/2019

PROJ. NO.: 15111
 HOHBACH-LEWIN #11084.31



HOHBACH-LEWIN, INC.
 STRUCTURAL & CIVIL ENGINEERS
 260 Sheridan Avenue, Suite 150
 Palo Alto, CA 94306
 (650) 617-5930, Fax (650) 617-5932



| SYMBOLS LIST | | DRAWING INDEX | | GENERAL NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---|---|----|---------------------|----|-------------|-----|-----------------|-----|--------------|-----|----------------------|-----------|----------------|-----|-----------|----|--------|-------|------------------------|-----|-----------------|-----|-----------|----|------------|----------|--------|-----|-------------------------------|-------|---------------------------|----|-----------|----|-------|----|-------|----|-----------------|-----|-------|---|---------|----|----------|-----|---------|-----|--------------------|-----|---------|---|------|-----|---------|----|-----------------------|------|---------|---------------|---------------------|------|------------|----|------|-------|------------|---|--------|-------|----------|-----|---------------|-----|------------------|-----|--------------------------|----|---------------------|-----|-------|-----|----------------------|-----|----------|-----|----------|-----|--------|------|---------|------|-------------|----|----------------|------|-----------|------|------------|-----|--------------------------|------|--------------|----|------------|----|------|----|-------------|------|--------------------------|----|--------------|-----|---------------------|---|-------------|----|---------------|-----|---------|------|------------|----|-----------|-----|----------------------------|----|------------|----|-----------------|----|-------------|-----|---------------------|-----|----------------------|------|------------------------------|-----|---------------------|------|--------------------------------|-----|-----------------------|-----|-----------------------|-----|------------------------|-----|-----------------|---|------|------|---------|----|-------------|------|----------|-----|--------------------------|-----|-------|----|----------|-----|-----------------------------|---|-------------|-----|--------------------------|----|--------------|-----|-------------------------|------|-------------|-----|--------------------------|--|--|-----|--------|--|--|------|----------------------------------|--|--|----|----------------|--|--|-----|--------|--|--|----|------------|--|--|-----|--------|--|--|----|-------|--|--|-----|----------------------------|--|--|-----|----------|--|--|------|---|--|--|-------------|--------------|--|--|-----|-----------------|--|--|----|----------|--|--|-----|---------------|--|--|------|-----------------------------------|--|--|----|-------|--|--|-------|---------------|--|--|----|-------------|--|--|-----|------------------------|--|--|-----|--------------|--|--|-----|---------|--|--|-----|---------|--|--|-----|----------------------|--|--|----|-------|--|--|-----|---------|--|--|-----|----------|--|--|-----|----------------|--|--|-----|----------------------|--|--|
| LIGHTING | POWER | RACEWAYS | ABBREVIATIONS | <ol style="list-style-type: none"> MAINTAIN FIRE RATING OF ALL FLOORS, CEILINGS AND WALLS PENETRATED BY ELECTRICAL WORK. ELECTRICAL DEVICE OPENINGS IN FIRE RATED WALLS SHALL NOT EXCEED 16 SQUARE INCHES, AND SHALL NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET OF WALL AREA. DEVICE OPENINGS ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE HORIZONTALLY SEPARATED BY A MINIMUM OF 24 INCHES. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION PER THE 2013 CALIFORNIA BUILDING CODE. VERIFY CIRCUIT VOLTAGE OF SUPPLY CIRCUIT SHOWN ON PLANS FOR ALL LIGHT FIXTURES. PROVIDE FIXTURES/DRIVERS SUITABLE FOR SUPPLY CIRCUIT VOLTAGE. UNLESS OTHERWISE NOTED, CONDUIT ROUTING, IF SHOWN, IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF UTILITIES AND OTHER TRADES. INSTALL AND CONNECT A CODE SIZED INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR IN ALL BRANCH CIRCUIT AND FEEDER CONDUITS. THESE EQUIPMENT GROUND WIRES ARE NOT SHOWN ON THE PLANS; INCREASE CONDUIT SIZE WHERE REQUIRED. INSTALL A POLYETHYLENE PULLING ROPE IN ALL EMPTY CONDUITS. MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE, U.O.N. ALL MOUNTING HEIGHTS SHALL BE AS SHOWN ON THE SYMBOLS LIST UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS. ALL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE MADE IN ACCORDANCE WITH 2013 CALIFORNIA BUILDING CODE, CHAPTER 7. ALL CIRCUITS SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. OTHERWISE, FOR MULTI-WIRE BRANCH CIRCUITS USE MULTI-POLE (HANDLE-TIE) CIRCUIT BREAKERS. SUBSCRIPTS ON SWITCH SYMBOLS (So) DENOTE THE FIXTURE CONTROLLED. VERIFY THE EXACT LOCATION OF ALL EQUIPMENT FURNISHED BY OTHERS PRIOR TO DETERMINING CONDUIT TERMINATION POINTS. VERIFY CEILING TYPE FOR ALL FIXTURES. PROVIDE MOUNTING/TRIM HARDWARE SUITABLE FOR CEILING CONTAINING EACH FIXTURE. ALL WIRING DEVICES SHALL BE PERMANENTLY LABELED WITH PANEL AND CIRCUIT NUMBER SUPPLYING THEM. ALL EQUIPMENT TO BE INSTALLED OR PERMANENTLY CONNECTED (HARDWIRED) SHALL BE LISTED, LABELED OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL). ALL RECEPTACLES, SWITCHES, AND JUNCTION BOXES SHALL BE COLOR CODED AND IDENTIFIED PER THE DIVISION 26 SPECIFICATIONS. ALL EMERGENCY SYSTEM DEVICES AND COVERPLATES SHALL BE RED IN COLOR. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LIGHTING CONTROL | CONVENTIONS | PHASE CONDUCTORS | <table border="0"> <tr> <td>AC</td><td>ALTERNATING CURRENT</td><td>NL</td><td>NIGHT LIGHT</td></tr> <tr> <td>A/C</td><td>AIR-CONDITIONER</td><td>NTS</td><td>NOT TO SCALE</td></tr> <tr> <td>AFF</td><td>ABOVE FINISHED FLOOR</td><td>N/A or NA</td><td>NOT APPLICABLE</td></tr> <tr> <td>ALT</td><td>ALTERNATE</td><td>NO</td><td>NUMBER</td></tr> <tr> <td>AA/FA</td><td>AMBIENT AIR/FORCED AIR</td><td>NIC</td><td>NOT IN CONTRACT</td></tr> <tr> <td>AUX</td><td>AUXILIARY</td><td>NF</td><td>NONFUSIBLE</td></tr> <tr> <td>A OR AMP</td><td>AMPERE</td><td>NPA</td><td>NATIONAL PURCHASING AGREEMENT</td></tr> <tr> <td>A.T.S</td><td>AUTOMATIC TRANSFER SWITCH</td><td>OC</td><td>ON CENTER</td></tr> <tr> <td>BD</td><td>BOARD</td><td>PH</td><td>PHASE</td></tr> <tr> <td>CB</td><td>CIRCUIT BREAKER</td><td>PNL</td><td>PANEL</td></tr> <tr> <td>C</td><td>CONDUIT</td><td>PB</td><td>PULL BOX</td></tr> <tr> <td>CAB</td><td>CABINET</td><td>PVC</td><td>POLYVINYL CHLORIDE</td></tr> <tr> <td>CLG</td><td>CEILING</td><td>P</td><td>POLE</td></tr> <tr> <td>CCT</td><td>CIRCUIT</td><td>PT</td><td>POTENTIAL TRANSFORMER</td></tr> <tr> <td>COAX</td><td>COAXIAL</td><td>RECEPT REQ.D.</td><td>RECEPTACLE REQUIRED</td></tr> <tr> <td>CONT</td><td>CONTINUOUS</td><td>RM</td><td>ROOM</td></tr> <tr> <td>CONTR</td><td>CONTRACTOR</td><td>S</td><td>SAFETY</td></tr> <tr> <td>CORR,</td><td>CORRIDOR</td><td>S/N</td><td>SOLID NEUTRAL</td></tr> <tr> <td>CRT</td><td>CATHODE RAY TUBE</td><td>SES</td><td>SERVICE ENTRANCE SECTION</td></tr> <tr> <td>CT</td><td>CURRENT TRANSFORMER</td><td>SHT</td><td>SHEET</td></tr> <tr> <td>DGP</td><td>DATA GATHERING PANEL</td><td>STD</td><td>STANDARD</td></tr> <tr> <td>DIA</td><td>DIAMETER</td><td>SWT</td><td>SWITCH</td></tr> <tr> <td>DIAG</td><td>DIAGRAM</td><td>SWBD</td><td>SWITCHBOARD</td></tr> <tr> <td>DC</td><td>DIRECT CURRENT</td><td>TELE</td><td>TELEPHONE</td></tr> <tr> <td>DISC</td><td>DISCONNECT</td><td>TIB</td><td>TELEPHONE TERMINAL BOARD</td></tr> <tr> <td>DIST</td><td>DISTRIBUTION</td><td>TV</td><td>TELEVISION</td></tr> <tr> <td>DN</td><td>DOWN</td><td>TS</td><td>TIME SWITCH</td></tr> <tr> <td>DPST</td><td>DOUBLE POLE SINGLE THROW</td><td>TP</td><td>TAMPER PROOF</td></tr> <tr> <td>DSD</td><td>DUCT SMOKE DETECTOR</td><td>T</td><td>TRANSFORMER</td></tr> <tr> <td>EC</td><td>EMPTY CONDUIT</td><td>TYP</td><td>TYPICAL</td></tr> <tr> <td>ELEC</td><td>ELECTRICAL</td><td>TC</td><td>TIMECLOCK</td></tr> <tr> <td>EMT</td><td>ELECTRICAL METALLIC TUBING</td><td>UF</td><td>UNDERFLOOR</td></tr> <tr> <td>EP</td><td>EMERGENCY POWER</td><td>UG</td><td>UNDERGROUND</td></tr> <tr> <td>EPO</td><td>EMERGENCY POWER OFF</td><td>UGE</td><td>UNDERGROUND ELECTRIC</td></tr> <tr> <td>EUGP</td><td>EXISTING UNDERGROUND PRIMARY</td><td>UGP</td><td>UNDERGROUND PRIMARY</td></tr> <tr> <td>EUGS</td><td>EXISTING UNDERGROUND SECONDARY</td><td>UGS</td><td>UNDERGROUND SECONDARY</td></tr> <tr> <td>EMC</td><td>ELECTRIC WATER COOLER</td><td>UON</td><td>UNLESS OTHERWISE NOTED</td></tr> <tr> <td>EXP</td><td>EXPLOSION PROOF</td><td>V</td><td>VOLT</td></tr> <tr> <td>FIXT</td><td>FIXTURE</td><td>VA</td><td>VOLTIAMPERE</td></tr> <tr> <td>FLEX</td><td>FLEXIBLE</td><td>VFD</td><td>VARIABLE FREQUENCY DRIVE</td></tr> <tr> <td>FLR</td><td>FLOOR</td><td>WW</td><td>WIRESWAY</td></tr> <tr> <td>PWR</td><td>FULL VOLTAGE, NON REVERSING</td><td>W</td><td>WAT OR WIRE</td></tr> <tr> <td>GFI</td><td>GROUND FAULT INTERRUPTER</td><td>WP</td><td>WEATHERPROOF</td></tr> <tr> <td>GFP</td><td>GROUND FAULT PROTECTION</td><td>XFMR</td><td>TRANSFORMER</td></tr> <tr> <td>GRC</td><td>GALVANIZED RIGID CONDUIT</td><td></td><td></td></tr> <tr> <td>GRD</td><td>GROUND</td><td></td><td></td></tr> <tr> <td>GFCT</td><td>GROUND FAULT CURRENT TRANSFORMER</td><td></td><td></td></tr> <tr> <td>HG</td><td>HOSPITAL GRADE</td><td></td><td></td></tr> <tr> <td>HGT</td><td>HEIGHT</td><td></td><td></td></tr> <tr> <td>HP</td><td>HORSEPOWER</td><td></td><td></td></tr> <tr> <td>HTR</td><td>HEATER</td><td></td><td></td></tr> <tr> <td>HZ</td><td>HERTZ</td><td></td><td></td></tr> <tr> <td>IMC</td><td>INTERMEDIATE METAL CONDUIT</td><td></td><td></td></tr> <tr> <td>ISO</td><td>ISOLATED</td><td></td><td></td></tr> <tr> <td>KPIT</td><td>KASER PERMANENTE INFORMATION TECHNOLOGY</td><td></td><td></td></tr> <tr> <td>JB OR J-BOX</td><td>JUNCTION BOX</td><td></td><td></td></tr> <tr> <td>KVA</td><td>KILOVOLT AMPERE</td><td></td><td></td></tr> <tr> <td>KW</td><td>KILOWATT</td><td></td><td></td></tr> <tr> <td>KWH</td><td>KILOWATT HOUR</td><td></td><td></td></tr> <tr> <td>KALC</td><td>KILO-AMPERES INTERRUPTING CURRENT</td><td></td><td></td></tr> <tr> <td>LT</td><td>LIGHT</td><td></td><td></td></tr> <tr> <td>LTFIX</td><td>LIGHT FIXTURE</td><td></td><td></td></tr> <tr> <td>LV</td><td>LOW VOLTAGE</td><td></td><td></td></tr> <tr> <td>LCP</td><td>LIGHTING CONTROL PANEL</td><td></td><td></td></tr> <tr> <td>MFR</td><td>MANUFACTURER</td><td></td><td></td></tr> <tr> <td>MAX</td><td>MAXIMUM</td><td></td><td></td></tr> <tr> <td>MIN</td><td>MINIMUM</td><td></td><td></td></tr> <tr> <td>MCC</td><td>MOTOR CONTROL CENTER</td><td></td><td></td></tr> <tr> <td>MT</td><td>MOUNT</td><td></td><td></td></tr> <tr> <td>MTD</td><td>MOUNTED</td><td></td><td></td></tr> <tr> <td>MTG</td><td>MOUNTING</td><td></td><td></td></tr> <tr> <td>MLO</td><td>MAIN LUGS ONLY</td><td></td><td></td></tr> <tr> <td>MCB</td><td>MAIN CIRCUIT BREAKER</td><td></td><td></td></tr> </table> | | AC | ALTERNATING CURRENT | NL | NIGHT LIGHT | A/C | AIR-CONDITIONER | NTS | NOT TO SCALE | AFF | ABOVE FINISHED FLOOR | N/A or NA | NOT APPLICABLE | ALT | ALTERNATE | NO | NUMBER | AA/FA | AMBIENT AIR/FORCED AIR | NIC | NOT IN CONTRACT | AUX | AUXILIARY | NF | NONFUSIBLE | A OR AMP | AMPERE | NPA | NATIONAL PURCHASING AGREEMENT | A.T.S | AUTOMATIC TRANSFER SWITCH | OC | ON CENTER | BD | BOARD | PH | PHASE | CB | CIRCUIT BREAKER | PNL | PANEL | C | CONDUIT | PB | PULL BOX | CAB | CABINET | PVC | POLYVINYL CHLORIDE | CLG | CEILING | P | POLE | CCT | CIRCUIT | PT | POTENTIAL TRANSFORMER | COAX | COAXIAL | RECEPT REQ.D. | RECEPTACLE REQUIRED | CONT | CONTINUOUS | RM | ROOM | CONTR | CONTRACTOR | S | SAFETY | CORR, | CORRIDOR | S/N | SOLID NEUTRAL | CRT | CATHODE RAY TUBE | SES | SERVICE ENTRANCE SECTION | CT | CURRENT TRANSFORMER | SHT | SHEET | DGP | DATA GATHERING PANEL | STD | STANDARD | DIA | DIAMETER | SWT | SWITCH | DIAG | DIAGRAM | SWBD | SWITCHBOARD | DC | DIRECT CURRENT | TELE | TELEPHONE | DISC | DISCONNECT | TIB | TELEPHONE TERMINAL BOARD | DIST | DISTRIBUTION | TV | TELEVISION | DN | DOWN | TS | TIME SWITCH | DPST | DOUBLE POLE SINGLE THROW | TP | TAMPER PROOF | DSD | DUCT SMOKE DETECTOR | T | TRANSFORMER | EC | EMPTY CONDUIT | TYP | TYPICAL | ELEC | ELECTRICAL | TC | TIMECLOCK | EMT | ELECTRICAL METALLIC TUBING | UF | UNDERFLOOR | EP | EMERGENCY POWER | UG | UNDERGROUND | EPO | EMERGENCY POWER OFF | UGE | UNDERGROUND ELECTRIC | EUGP | EXISTING UNDERGROUND PRIMARY | UGP | UNDERGROUND PRIMARY | EUGS | EXISTING UNDERGROUND SECONDARY | UGS | UNDERGROUND SECONDARY | EMC | ELECTRIC WATER COOLER | UON | UNLESS OTHERWISE NOTED | EXP | EXPLOSION PROOF | V | VOLT | FIXT | FIXTURE | VA | VOLTIAMPERE | FLEX | FLEXIBLE | VFD | VARIABLE FREQUENCY DRIVE | FLR | FLOOR | WW | WIRESWAY | PWR | FULL VOLTAGE, NON REVERSING | W | WAT OR WIRE | GFI | GROUND FAULT INTERRUPTER | WP | WEATHERPROOF | GFP | GROUND FAULT PROTECTION | XFMR | TRANSFORMER | GRC | GALVANIZED RIGID CONDUIT | | | GRD | GROUND | | | GFCT | GROUND FAULT CURRENT TRANSFORMER | | | HG | HOSPITAL GRADE | | | HGT | HEIGHT | | | HP | HORSEPOWER | | | HTR | HEATER | | | HZ | HERTZ | | | IMC | INTERMEDIATE METAL CONDUIT | | | ISO | ISOLATED | | | KPIT | KASER PERMANENTE INFORMATION TECHNOLOGY | | | JB OR J-BOX | JUNCTION BOX | | | KVA | KILOVOLT AMPERE | | | KW | KILOWATT | | | KWH | KILOWATT HOUR | | | KALC | KILO-AMPERES INTERRUPTING CURRENT | | | LT | LIGHT | | | LTFIX | LIGHT FIXTURE | | | LV | LOW VOLTAGE | | | LCP | LIGHTING CONTROL PANEL | | | MFR | MANUFACTURER | | | MAX | MAXIMUM | | | MIN | MINIMUM | | | MCC | MOTOR CONTROL CENTER | | | MT | MOUNT | | | MTD | MOUNTED | | | MTG | MOUNTING | | | MLO | MAIN LUGS ONLY | | | MCB | MAIN CIRCUIT BREAKER | | |
| AC | ALTERNATING CURRENT | NL | NIGHT LIGHT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A/C | AIR-CONDITIONER | NTS | NOT TO SCALE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AFF | ABOVE FINISHED FLOOR | N/A or NA | NOT APPLICABLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALT | ALTERNATE | NO | NUMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AA/FA | AMBIENT AIR/FORCED AIR | NIC | NOT IN CONTRACT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUX | AUXILIARY | NF | NONFUSIBLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A OR AMP | AMPERE | NPA | NATIONAL PURCHASING AGREEMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.T.S | AUTOMATIC TRANSFER SWITCH | OC | ON CENTER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BD | BOARD | PH | PHASE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CB | CIRCUIT BREAKER | PNL | PANEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | CONDUIT | PB | PULL BOX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAB | CABINET | PVC | POLYVINYL CHLORIDE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CLG | CEILING | P | POLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCT | CIRCUIT | PT | POTENTIAL TRANSFORMER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COAX | COAXIAL | RECEPT REQ.D. | RECEPTACLE REQUIRED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONT | CONTINUOUS | RM | ROOM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONTR | CONTRACTOR | S | SAFETY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CORR, | CORRIDOR | S/N | SOLID NEUTRAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRT | CATHODE RAY TUBE | SES | SERVICE ENTRANCE SECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT | CURRENT TRANSFORMER | SHT | SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DGP | DATA GATHERING PANEL | STD | STANDARD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIA | DIAMETER | SWT | SWITCH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIAG | DIAGRAM | SWBD | SWITCHBOARD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DC | DIRECT CURRENT | TELE | TELEPHONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISC | DISCONNECT | TIB | TELEPHONE TERMINAL BOARD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIST | DISTRIBUTION | TV | TELEVISION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DN | DOWN | TS | TIME SWITCH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DPST | DOUBLE POLE SINGLE THROW | TP | TAMPER PROOF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DSD | DUCT SMOKE DETECTOR | T | TRANSFORMER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EC | EMPTY CONDUIT | TYP | TYPICAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ELEC | ELECTRICAL | TC | TIMECLOCK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EMT | ELECTRICAL METALLIC TUBING | UF | UNDERFLOOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EP | EMERGENCY POWER | UG | UNDERGROUND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EPO | EMERGENCY POWER OFF | UGE | UNDERGROUND ELECTRIC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUGP | EXISTING UNDERGROUND PRIMARY | UGP | UNDERGROUND PRIMARY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUGS | EXISTING UNDERGROUND SECONDARY | UGS | UNDERGROUND SECONDARY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EMC | ELECTRIC WATER COOLER | UON | UNLESS OTHERWISE NOTED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXP | EXPLOSION PROOF | V | VOLT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIXT | FIXTURE | VA | VOLTIAMPERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FLEX | FLEXIBLE | VFD | VARIABLE FREQUENCY DRIVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FLR | FLOOR | WW | WIRESWAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PWR | FULL VOLTAGE, NON REVERSING | W | WAT OR WIRE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GFI | GROUND FAULT INTERRUPTER | WP | WEATHERPROOF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GFP | GROUND FAULT PROTECTION | XFMR | TRANSFORMER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRC | GALVANIZED RIGID CONDUIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRD | GROUND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GFCT | GROUND FAULT CURRENT TRANSFORMER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HG | HOSPITAL GRADE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HGT | HEIGHT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HP | HORSEPOWER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HTR | HEATER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HZ | HERTZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IMC | INTERMEDIATE METAL CONDUIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ISO | ISOLATED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KPIT | KASER PERMANENTE INFORMATION TECHNOLOGY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB OR J-BOX | JUNCTION BOX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KVA | KILOVOLT AMPERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KW | KILOWATT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KWH | KILOWATT HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KALC | KILO-AMPERES INTERRUPTING CURRENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LT | LIGHT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LTFIX | LIGHT FIXTURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LV | LOW VOLTAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LCP | LIGHTING CONTROL PANEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MFR | MANUFACTURER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAX | MAXIMUM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MIN | MINIMUM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MCC | MOTOR CONTROL CENTER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MT | MOUNT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MTD | MOUNTED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MTG | MOUNTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MLO | MAIN LUGS ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MCB | MAIN CIRCUIT BREAKER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> LAY-IN CEILING MOUNTED LIGHT FIXTURE LIGHT FIXTURE, SURFACE OR PENDANT MOUNTED SURFACE MOUNTED LINEAR WALL MOUNT FIXTURE RECESSED LED DOWNLIGHT SURFACE MOUNT LED LIGHT FIXTURE LED DIRECTIONAL OR ACCENT LIGHT FIXTURE LED BOLLARD LIGHT FIXTURE LED WALL MOUNTED SCONCE LIGHT FIXTURE LED LINEAR UNDER-SURFACE MOUNTED LIGHT FIXTURE LED SURFACE MOUNTED WRAP LIGHT FIXTURE EXIT FIXTURE, CEILING OR WALL MOUNTED, DIRECTIONAL ARROWS AS INDICATED SHADING OF ANY FIXTURE INDICATES CONNECTION TO EMERGENCY SYSTEM | <ul style="list-style-type: none"> PANELBOARD, 277/480V, SURFACE MOUNTED PANELBOARD, 277/480V, FLUSH MOUNTED PANELBOARD, 120/208V, SURFACE MOUNTED PANELBOARD, 120/208V, FLUSH MOUNTED ELECTRIC MOTOR-CONNECTION, NUMBER INDICATES HORSEPOWER JUNCTION BOX, CEILING MOUNTED JUNCTION BOX, FLUSH FLOOR MOUNTED FLUSH WALL MOUNTED JUNCTION BOX DUPLEX CONVENIENCE OUTLET, +18" AFF UON DOUBLE DUPLEX CONVENIENCE OUTLET, +18" AFF UON DUPLEX GFI OUTLET, +18" AFF UON DOUBLE DUPLEX GFI OUTLET, +18" AFF UON SHADING THROUGH CENTER OF OUTLET INDICATES OUTLET ON EMERGENCY TELE/POWER POLE. INSTALL PER MFR'S INSTRUCTIONS. SPECIALTY OUTLET, 18" UON. TYPE AS NOTED ON PLANS HEAVY DUTY FUSIBLE SAFETY SWITCH =AMP FUSE/AMP SWITCH/POLES/MAX VOLTS PACKAGE CONTROLLER OR STARTER FURNISHED UNDER ANOTHER DIVISION, INSTALLED AND WIRED UNDER THIS DIVISION. | <ul style="list-style-type: none"> GROUND CONDUCTOR CONDUIT RUN CONCEALED IN SLAB, UNDERSLAB OR UNDERGROUND CONDUIT RUN CONCEALED IN WALL OR CEILING CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET FLEXIBLE METALLIC CONDUIT CONDUIT TURNED UP CONDUIT TURNED DOWN CROSS MARKS ON BRANCH CIRCUIT CONDUIT RUNS 1 INDICATE THE QUANTITY OF CONDUCTORS AS FOLLOWS: NEUTRAL CONDUCTOR(S) PHASE CONDUCTORS <ol style="list-style-type: none"> NO CROSS MARKS INDICATES TWO #12 AWG CONDUCTORS, U.O.N. THREE TO SIX CROSS MARKS INDICATES THE QUANTITY OF #12 AWG CONDUCTORS, U.O.N. SEVEN OR MORE CROSS MARKS INDICATES THE QUANTITY OF #10 AWG CONDUCTORS, U.O.N. ALL 120V, 20A HOMERUNS LONGER THAN 100' AND ALL 277V, 20A HOMERUNS LONGER THAN 150' SHALL BE #10 MINIMUM EXPOSED RACEWAYS IN MECHANICAL ROOMS AND ELECTRICAL ROOMS SHALL BE EMT OR RIGID <ul style="list-style-type: none"> GROUND BAR, REFER TO DETAIL | <p>NUMBERED SHEET NOTE, APPLIES TO DRAWING CONTAINING NOTES ONLY</p> <p>MECHANICAL EQUIPMENT IDENTIFICATION TAG:</p> <p>AC: AIR CONDITIONING UNIT CU: CONDENSING UNIT EF: EXHAUST FAN HP: HEAT PUMP HV: HEAT VENT UNIT TEF: TOILET EXHAUST FAN</p> <p>ADDENDUM, BULLETIN, OR REVISION NUMBER</p> <p>5302 FEEDER TAG</p> <p>XXXXX EQUIPMENT TAG</p> <p>DETAIL REFERENCE:</p> <p>DETAIL DESIGNATION SHEET NUMBER</p> <p>FIXTURE IDENTIFICATION TAG: FIXTURE TYPE</p> <p>(1) 1-1/4</p> <p>DASH INDICATES FRACTION PARENTHESES INDICATES QUANTITY</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SYMBOLS LIST, GENERAL NOTES, ABBREVIATIONS & DRAWING INDEX

E0.01





LIGHTING FIXTURE SCHEDULE



| EXTERIOR LIGHTING FIXTURES | | | | | | | | | | |
|----------------------------|---|-----------------------------|---|--------|------------------|--------------------|---------|----------|---------|---|
| TYPE | DESCRIPTION | MANUF./MODEL | CATALOG NUMBER | LAMPS | OUTPUT | CONTROLS | WATTAGE | WATTS/FT | VOLTS | APPLICATION |
| E1 | NOT USED | | | | | | | | | |
| E2 | NOT USED | | | | | | | | | |
| E3 | ADJUSTABLE LED FLOOD LIGHT. DIE-CAST ALUMINUM HOUSING. CLEAR TEMPERED GLASS LENS. OVAL BEAM SPREAD. 90° TILT. 360° ROTATION. | ERCO "LIGHTSCAN" | 34898.023 - 33974.000 | 3000°K | 8100 LUMENS | 0-10V DIMMABLE | 96 | | 120-277 | MAIN TOWER HIGHLIGHT |
| E4 | LED RECESSED STEP LIGHT. ASYMMETRIC FORWARD THROW DISTRIBUTION. DIE-CAST ALUMINUM HOUSING. CLEAR SAFETY GLASS LENS. AT GARAGE RAMPS, CENTERLINE OF FIXTURE TO BE MOUNTED 18" AFF. AT POOL, CENTERLINE OF FIXTURES TO BE MOUNTED 4'-0" ABOVE TOP OF POOL DECK. | BEGA "24 061" | 24 061-K3-"FINISH" | 3000°K | 1183 LUMENS | 0-10V DIMMABLE | 21 | | 120-277 | GARAGE RAMP LIGHT, NORTH POOL DECK LIGHT |
| E5 | NOT USED | | | | | | | | | |
| E6 | PARKING GARAGE UPLIGHT. EXTRUDED ALUMINUM HOUSING AND HEAT SINK. ASYMMETRIC FORWARD THROW DISTRIBUTION. FIXTURES TO BE MOUNTED AT 7'-0" AFF, EXCEPT FOR FIXTURES MOUNTED TO SIDES OF POOL FRAME. FIXTURES MOUNTED TO SIDES OF POOL FRAME TO BE MOUNTED WITH BOTTOM OF FIXTURE ALIGNING WITH UNDERSIDE OF POOL FRAME. | ELLIPTIPAR "STYLE 172" | S172-5036-S-"FINISH-M-V0-0-30-ZX" | 3000°K | 3812 LUMENS | 0-10V DIMMABLE | 56 | | 120-277 | PARKING GARAGE UPLIGHT |
| E7A | 4 IN APERTURE LED DOWNLIGHT. WIDE BEAM ANGLE. DIE-CAST ALUMINUM HOUSING. CLEAR SAFETY GLASS LENS. ANODIZED ALUMINUM REFLECTOR. | BEGA "55 824" | 55 824-K3-"FINISH" | 3000°K | 933 LUMENS | 0-10V DIMMABLE | 11 | | 120-277 | DOWNLIGHTS AT MAIN ENTRY |
| E7B | SIMILAR TO TYPE E7A, BUT WITH ADJUSTABLE OPTICS AND A NARROW BEAM SPREAD. 30° TILT AND 360° ROTATION. | BEGA "55 842" | 55 842-K3-FINISH | 3000°K | 583 LUMENS | 0-10V DIMMABLE | 5.7 | | 120-277 | DOWNLIGHTS OVER BUBBLER PLANTERS |
| E8 | EXTERIOR WRAP LUMINAIRE. 20 GAUGE CRS WITH STAINLESS STEEL EXTERIOR. FROSTED ACRYLIC LENS. | PARAMOUNT "STARDUSTER" | C2-1-L-4-7-S3-30K-120-277 | 3000°K | 4800 LUMENS | 0-10V DIMMABLE | 40 | | 120-277 | TRASH ENCLOSURE LEVEL 3 TRELIS, SOUTHEAST STAIR |
| E9 | LED BOLLARD WITH 180° DISTRIBUTION. DIE-CAST ALUMINUM HOUSING. MATTE BLACK OPTICAL CASTINGS. | SELUX INNULA | IBL-4-2Q90-30-"FINISH-277-DM" | 3000°K | 1083 LUMENS | 0-10V DIMMABLE | 14 | | 277 | WALKING PATHS |
| E10 | ADJUSTABLE ACCENT TREE FLOODLIGHT. MILLED ALUMINUM HOUSING. TEMPERED GLASS LENS. ADJUSTABLE COLOR TEMPERATURE VIA BLUETOOTH CONTROL. | BK LIGHTING "DENALI" | DE-LED-C20-WFL-"FINISH-12-11-B + PPII" | 3000°K | 515 LUMENS | INTEGRATED DIMMING | 20 | | 120-277 | FEATURE TREE UPLIGHT |
| E11 | NOT USED | | | | | | | | | |
| E12 | LED DECORATIVE CATENARY FIXTURES. FROSTED GLASS GLOBES. SELF-HEALING JACKETED POWER CABLE. PROVIDE ALL ELEMENTS TO COMPRISE A COMPLETE SYSTEM. | TEGAN "EXTON" | GLOBE: EX5-K-PX-C-GEF-AL CABLE: EX-C-BLK | 2700°K | 205 LUMENS/ HEAD | 0-10V DIMMABLE | 5.3 | | 120-277 | STRING LIGHTING |
| E13 | LINEAR LED PATH LIGHT - MID OUTPUT. WET LOCATION LISTED LED TAPE. ANGLED EXTRUDED ALUMINUM HOUSING. FIXTURES TO BE MOUNTED CONTINUOUSLY END-TO-END WITH NO VISIBLE GAPS ALONG LENGTH OF FIXTURE RUN. PROVIDE NOTCH OR OVERHANG AT TOP OF PLANTER WHERE FIXTURES ARE INDICATED ON DRAWINGS TO CONCEAL FIXTURE LOCATIONS. | KELVIX "PERFORMANCE 200" | TAPE: PL3K-WR-24V HOUSING: CH006-2-FRR-CP-EC | 3000°K | 169 LUMENS / FT | 0-10V DIMMABLE | | 1.9 | 120-277 | WALKWAYS ADJACENT TO POOL DECK |
| E14A | ADJUSTABLE ACCENT FLOODLIGHT MOUNTED TO CANOPY TRELIS STRUCTURE. MILLED ALUMINUM HOUSING. TEMPERED GLASS LENS. WIDE FLOOD OPTIC. ADJUSTABLE COLOR TEMPERATURE CONTROLLED VIA BLUETOOTH. | BK LIGHTING "DENALI" | DE-LED-C20-WFL-"FINISH-12-11-A + REMOTE DRIVER | 3000°K | 515 LUMENS | INTEGRATED DIMMING | 20 | | 120-277 | POOL DECK LOUNGE CANOPY, LEVEL 3 DECK |
| E14B | ADJUSTABLE ACCENT FLOODLIGHT MOUNTED BUILDING WALLS. MILLED ALUMINUM HOUSING. TEMPERED GLASS LENS. LINEAR SPREAD OPTIC. ADJUSTABLE COLOR TEMPERATURE CONTROLLED VIA BLUETOOTH. | BK LIGHTING "DENALI" | DE-LED-C20-WFL-"FINISH-13-A + REMOTE DRIVER | 3000°K | 515 LUMENS | INTEGRATED DIMMING | 20 | | 120-277 | POOL DECK RAMP |
| E15 | LED DECORATIVE DOWNLIGHT FIXTURES. FROSTED AND CLEAR GLASS "GEMS". FIXTURES TO BE EITHER SURFACE MONOPOINT OR CATENARY MOUNTED. | TEGAN "EXTON" | GLOBE: EX5-K-PX-C-FCG-AL | 3000°K | 148 LUMENS | 0-10V DIMMABLE | 5.3 | | 120-277 | POOL DECK CANOPY |
| E16 | NOT USED | | | | | | | | | |
| E17 | LED LINEAR ASYMMETRIC HANDRAIL LIGHT. LED MODULE INTEGRATED INTO GRIP OF HANDRAIL. FROSTED LENS. NON-ILLUMINATED HANDRAIL HARDWARE TO BE COORDINATED WITH ARCHITECT | COLE LIGHTING "LUXRAIL LR5" | LR5P-LED-AL/"-INT-FL-ASYM-DIM" | 3000°K | 205 LUMENS / FT | 0-10V DIMMABLE | | 2.5 | 120-277 | POOL DECK LIGHT |
| E18 | NOT USED | | | | | | | | | |
| E19 | DECORATIVE WALL SCONCE. STAINLESS STEEL HOUSING. CLEAR GLASS LENS. PROVIDE WITH LED RETROFIT LAMPS. MANUFACTURER TO PROVIDE WATTAGE RESTRICTION LABEL TO MATCH SELECTED LED RETROFIT LAMP. | FEISS "COTSWALD LANE" | OL13701ANBZ-L1 | 2700°K | TBD | TELV DIMMABLE | 120 | | 120 | EXTERIOR DECORATIVE SCONCES |
| E20 | LED BOLLARD WITH 180° DISTRIBUTION. EXTRUDED AND DIE-CAST ALUMINUM HOUSING. | GARDCO "BRM SERIES" | BRM834-42-CWL-WW-180-UNV-"FINISH" | 3000°K | 280 LUMENS | TIMECLOCK ON/OFF | 22 | | 120-277 | EXTERIOR PATHWAYS, REAR ENTRY DRIVE |
| E21 | LED RECESSED STEP LIGHT. ASYMMETRIC FORWARD THROW DISTRIBUTION. DIE-CAST ALUMINUM HOUSING. CLEAR SAFETY GLASS LENS. BOTTOM OF FIXTURE TO BE MOUNTED 1'-6" ABOVE GRADE OR FINISHED FLOOR. | BEGA "33 053" | 33 053-K3-"FINISH" | 3000°K | 231 LUMENS | TIMECLOCK ON/OFF | 6 | | 120-277 | WALKWAYS, EXTERIOR STAIRS |
| E22A | LED POLE ARM MOUNTED LANTERN STYLE AREA LIGHT. CAST ALUMINUM ALLOY HOUSING. LENSED BOTTOM. MOLDED SILICON REFRACTOR OPTICS. IES TYPE 4 DISTRIBUTION WITH HOUSE SIDE SHIELD TO MITIGATE BACKLIGHT. PROVIDE FIXTURE WITH 10' POLE. PROVIDE 2' TALL CONCRETE BASE ON WHICH POLE AND FIXTURE WILL BE MOUNTED FOR AN OVERALL POLE AND BASE HEIGHT OF 12'-0". | STERNBERG "SEVILLE" | 1A-S640LEDH-1L-30-T2-MDL10 -CSA-SV1D-HSS-"ARM STYLE-"10 FOOT POLE-"FINISH-"OPTIONS AS REQUIRED | 3000°K | 5976 LUMENS | TIMECLOCK ON/OFF | 59 | | 120-277 | MOTOR COURT SOUTHWEST |
| E22B | SIMILAR TO TYPE E22A, BUT WITH TYPE 2 DISTRIBUTION. | STERNBERG "SEVILLE" | 1A-S640LEDH-1L-30-T2-MDL10 -CSA-SV1D-HSS-"ARM STYLE-"10 FOOT POLE-"FINISH-"OPTIONS AS REQUIRED | 3000°K | 5987 LUMENS | TIMECLOCK ON/OFF | 59 | | 120-277 | MOTOR COURT GARAGE ENTRIES |
| E22C | SIMILAR TO TYPE E22A, BUT WITHOUT A HOUSE-SIDE SHIELD, AND WITH A 12' POLE NOT MOUNTED TO A 2' CONCRETE BASE. | STERNBERG "SEVILLE" | 1A-S640LEDH-1L-30-T2-MDL10 -CSA-SV1D-"ARM STYLE-"12 FOOT POLE-"FINISH-"OPTIONS AS REQUIRED | 3000°K | 6740 LUMENS | TIMECLOCK ON/OFF | 59 | | 120-277 | MOTOR COURT BUILDING SIDE |
| E23 | LED LINEAR ASYMMETRIC FORWARD THROW PATH DOWNLIGHT. PARABOLIC "VORTEX" REFLECTORS. DIE-CAST ALUMINUM HOUSING. CLEAR SAFETY GLASS LENS. ANODIZED ALUMINUM REFLECTOR. FIXTURES TO BE MOUNTED WITH ASYMMETRIC DISTRIBUTION FACING AWAY FROM BUILDING. TO LIGHT PATH ADJACENT TO BUILDING WITHOUT LIGHTING VERTICAL SURFACE OF BUILDING. | BEGA "24 306" | 24 306-K3-"FINISH" | 3000°K | 1944 LUMENS | TIMECLOCK ON/OFF | 19 | | 120-277 | EAST PATH |

TYPE E1

NOT USED

TYPE E2

NOT USED

ERCO Lightscan Floodlight TYPE E3



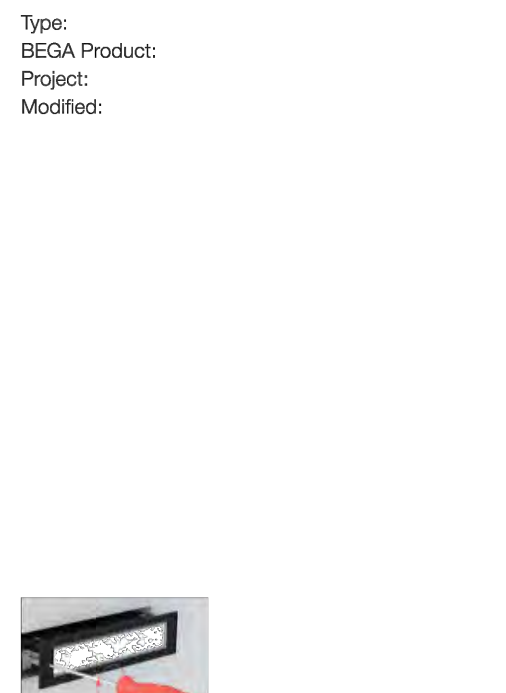
Product description: Housing, hinge and mounting plate: corrosion-resistant, cast aluminum... Technical data: Luminous flux of the luminaire: 468lm... Electrical: Operating voltage: 120-277VAC... Finish: All BEGA standard finishes are matte, textured polyester powder coat...

For your regional contact in the ERCO Sales network click here: www.ercosales.com

TYPE E4

LED recessed wall luminaires - asymmetrical forward throw

Application: LED recessed wall luminaires with asymmetrical forward throw distribution for superior illumination of ground surfaces... Materials: Luminaire housing and fasciate constructed of die-cast aluminum marine grade, copper free (0.2% copper content) A360-D aluminum alloy... Electrical: Operating voltage: 120-277VAC... Finish: All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.



BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

TYPE E5

NOT USED

TYPE E6

elliptipar ceiling LED lighting fixture. Includes application, materials, performance, electrical, LED color temperature, finish, and technical data. Features a detailed beam spread diagram and a table of dimensions.

TYPE E7A

LED recessed ceiling downlight - wide beam

Application: Designed for down lighting atriums, canopies, passages, and other interior and exterior locations featuring a symmetrical wide beam light distribution... Materials: Luminaire housing constructed of die-cast marine grade, copper free (0.2% copper content) A360-D aluminum alloy... Electrical: Operating voltage: 120-277VAC... Finish: All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.



Table with columns: LED, L, B, A, B, C, D. Row 1: 5584 8.7W 81 49 3.5 18. Row 2: 5584 8.7W 81 49 3.5 18.

TYPE E7B

LED compact downlights - adjustable light distribution

Application: LED recessed ceiling luminaires with adjustable light distribution. The inclination angle of the luminaires is infinitely adjustable from 0-30°... Materials: Luminaire housing and trim constructed of die-cast marine grade, copper free (0.2% copper content) A360-D aluminum alloy... Electrical: Operating voltage: 120-277VAC... Finish: All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.



Table with columns: LED, L, B, A, B, C, D. Row 1: 5584 8.7W 81 49 3.5 18. Row 2: 5584 8.7W 81 49 3.5 18.

Starduster C2 Series LED SURFACE TYPE E8

Starduster C2 Series LED SURFACE TYPE E8. Includes application, materials, performance, electrical, LED color temperature, finish, and technical data. Features a detailed beam spread diagram and a table of dimensions.

LED SURFACE TYPE E8. Includes application, materials, performance, electrical, LED color temperature, finish, and technical data. Features a detailed beam spread diagram and a table of dimensions.

Inula Bollard LED TYPE E9

Inula Bollard LED TYPE E9. Includes application, materials, performance, electrical, LED color temperature, finish, and technical data. Features a detailed beam spread diagram and a table of dimensions.

Product Modifications. Includes a table for modifications and a section for approvals.

DENALI SERIES™ FLOODLIGHT

TYPE E10

CATALOG NUMBER LOGIC

Example: DE - LED - C20 - FL - BXP - 9 - 11 - A

Series: DE - Default Series™ Floodlight

Source: LED - °C Module with Color Tuning Technology

LED Type: C20 - 20W/LED100-4000K - Saturation and Hue (10-15W White/Redshifted)
C21 - 20W/LED100-4000K - Saturation and Hue (10-15W White/Redshifted)

Optics: SP - Spot (2/1)
FL - Flood (1/1)
WF - Wide Flood (2/1)

Finish: Standard Finish: Powder Coat Color, Satin, White, Black, White Almond, Aluminum, Veneer. Premium Finish: AMP, ANP, ADW, BOW, NMS, NRP, PFC, PPE, PMS, PPD, PPS, PPD, PPS, PPD, PPS.

Lens Type: Clear Standard, 10° Spread Lens, 12° Soft Focus Lens, 13° Rectilinear Lens

Shielding: 11 - Honeycomb Baffle™

Cap Style: A - 45°, B - 90°, C - Flush, D - 45° Inset Ring Hole, E - 90° Inset Ring Hole

LM79 DATA
L70 DATA
OPTICAL DATA

B-K LIGHTING 40429 Boulevard Drive • Moreno, CA 92558 • USA
RELIEVED: (85-24-1-6) DRAWING NUMBER: SL19-2409-400

Exton Powerspan Cable System

TYPE E11

NOT USED

Category: Exton Powerspan Self-Sealing Cable is IP65 for interior/exterior use. Supplied in 1' (30.5cm) increments with End Cap, as a stand alone to be tensioned or swaged. Field cuttable. Refer to installation instructions for Max Powerspan runs.

Material: Power Cable: Embedded stainless steel wire in the center of the Custom Cable with 10 gauge conductors inside a P-65 Self-Sealing Jacket. Mounting: Powdercoated or anodized steel and aluminum. Kore-EXS LED Module: UV stable exterior anodized aluminum, UV stable polycarbonate glass lenses, rubber O-rings.

Finish: Powerspan Cable: Black (BLK). Custom finishes not available. Kore-EXS LED Module: Exterior: tinted, brushed, two-step electrolytic color anodizing. Anodized Black (BLK) or Anodized Aluminum (AL). GERM Clear/Frosted acrylic. Envelope: Frosted Globe, Clear Globe w/ half copper or silver mirror finish. Pendant Power Cord: Clear with aluminum Kore-EXS Module and black Kore-EXS Module. SJ Cord is factory cut in 1' (30.5cm) increments as specified from 8" (203mm) max. up to 16' (4.88m) max. Mounting: Powdercoat Black.

Power Supply Enclosure: Refer to Exton Power Supply IP90 Specsheet, IP24 Specsheet or IP66 Specsheet for details.

Powerspan Cable: Exton Powerspan Self-Sealing Cable is IP65 for interior/exterior use. Supplied in 1' (30.5cm) increments with End Cap, as a stand alone to be tensioned or swaged. Field cuttable. Refer to installation instructions for Max Powerspan runs.

Mounting: Surface Mount: 8" Wing Bracket, Black (EXWB-8-BLK), Surface Mount 3" Wing Bracket, Black (EXWB-3-BLK), Vertical Surface Mount Bracket, Black (EXVSB-BLK), Horizontal Surface Mount Bracket, Black (EXHSB-BLK), Standoff Bracket, Black (EXSB-BLK), Surface Mount "Drop" Bracket, Black (EXDSB-BLK), Tensioning Surface End Bracket, Black (EXTEB), Tree Strap & Buckle, Black (EXTSB-BLK), Exton End Cap - Black (EXEC-BLK).

Pole Mounting: Tegan has partnered with AV Poles & Lighting. Poles can be ordered from Tegan Lighting. AV is well versed on the Exton System and has installed many similar tensioned projects. As required, engineering services will be provided in the quote to insure proper structural installation per code requirements. Refer to Exton Application Guide for information and more details. Poles can also be provided by others; engineering is required by others to ensure structural integrity. Note: Tegan is not responsible for Pole/Engineering provided by others.

Cable Span: Maximum Cable mounting is 110' (33.5m). Note that the cable must be a continuous run without interruption. 550W max. per circuit. When specifying cable length, add 50% to the run length for installation.

Power Feed: Exton IP-65 Power Feed for Remote Power Supply - Black Finish (DXPF-BLK), Field paintable; contact factory for custom colors. Mounts to IP65 J-Box (Not Included), by others. **Power Feed cannot be used for structural Powerspan Cable support.** Refer to installation instructions for details.

LED: High Wattage Army Core LED, 5-Step Macradium SW @ 500 Lumens Output with 5700K, 80-85 CRI typical. All values are initial lumens. For exact lumen output and wattage consumption data, please consult LM79 reports. Online power consumption does not include driver losses. Contact factory for 2400K, 3500K, 4000K or 90 CRI.

Optics: A 15° reflector is supplied in all Envelope options to maximize decorative element illumination.

Electrical: 0-10VDC. Total input watts: 6.5W; 550W max. per circuit.

REGAN teganlighting.com • info@teganlighting.com • 415-504-3536 • TC37 5/18/18 1

Exton Powerspan Cable System

TYPE E12

Category: Exton Powerspan Self-Sealing Cable is IP65 for interior/exterior use. Supplied in 1' (30.5cm) increments with End Cap, as a stand alone to be tensioned or swaged. Field cuttable. Refer to installation instructions for Max Powerspan runs.

Material: Power Cable: Embedded stainless steel wire in the center of the Custom Cable with 10 gauge conductors inside a P-65 Self-Sealing Jacket. Mounting: Powdercoated or anodized steel and aluminum. Kore-EXS LED Module: UV stable exterior anodized aluminum, UV stable polycarbonate glass lenses, rubber O-rings.

Finish: Powerspan Cable: Black (BLK). Custom finishes not available. Kore-EXS LED Module: Exterior: tinted, brushed, two-step electrolytic color anodizing. Anodized Black (BLK) or Anodized Aluminum (AL). GERM Clear/Frosted acrylic. Envelope: Frosted Globe, Clear Globe w/ half copper or silver mirror finish. Pendant Power Cord: Clear with aluminum Kore-EXS Module and black Kore-EXS Module. SJ Cord is factory cut in 1' (30.5cm) increments as specified from 8" (203mm) max. up to 16' (4.88m) max. Mounting: Powdercoat Black.

Power Supply Enclosure: Refer to Exton Power Supply IP90 Specsheet, IP24 Specsheet or IP66 Specsheet for details.

Powerspan Cable: Exton Powerspan Self-Sealing Cable is IP65 for interior/exterior use. Supplied in 1' (30.5cm) increments with End Cap, as a stand alone to be tensioned or swaged. Field cuttable. Refer to installation instructions for Max Powerspan runs.

Mounting: Surface Mount: 8" Wing Bracket, Black (EXWB-8-BLK), Surface Mount 3" Wing Bracket, Black (EXWB-3-BLK), Vertical Surface Mount Bracket, Black (EXVSB-BLK), Horizontal Surface Mount Bracket, Black (EXHSB-BLK), Standoff Bracket, Black (EXSB-BLK), Surface Mount "Drop" Bracket, Black (EXDSB-BLK), Tensioning Surface End Bracket, Black (EXTEB), Tree Strap & Buckle, Black (EXTSB-BLK), Exton End Cap - Black (EXEC-BLK).

Pole Mounting: Tegan has partnered with AV Poles & Lighting. Poles can be ordered from Tegan Lighting. AV is well versed on the Exton System and has installed many similar tensioned projects. As required, engineering services will be provided in the quote to insure proper structural installation per code requirements. Refer to Exton Application Guide for information and more details. Poles can also be provided by others; engineering is required by others to ensure structural integrity. Note: Tegan is not responsible for Pole/Engineering provided by others.

Cable Span: Maximum Cable mounting is 110' (33.5m). Note that the cable must be a continuous run without interruption. 550W max. per circuit. When specifying cable length, add 50% to the run length for installation.

Power Feed: Exton IP-65 Power Feed for Remote Power Supply - Black Finish (DXPF-BLK), Field paintable; contact factory for custom colors. Mounts to IP65 J-Box (Not Included), by others. **Power Feed cannot be used for structural Powerspan Cable support.** Refer to installation instructions for details.

LED: High Wattage Army Core LED, 5-Step Macradium SW @ 500 Lumens Output with 5700K, 80-85 CRI typical. All values are initial lumens. For exact lumen output and wattage consumption data, please consult LM79 reports. Online power consumption does not include driver losses. Contact factory for 2400K, 3500K, 4000K or 90 CRI.

Optics: A 15° reflector is supplied in all Envelope options to maximize decorative element illumination.

Electrical: 0-10VDC. Total input watts: 6.5W; 550W max. per circuit.

PERFORMANCE 200 (OUTDOOR)
PL-SERIES | RUBBER COATED | LINEAR LED LIGHTING

MODEL: PL25K-WR-2W, PL35K-WR-4W, PL35K-WR-2W, PL16K-WR-4W, PL5K-WR-2W

PL-SERIES | RUBBER COATED | LINEAR LED LIGHTING

PRODUCT FEATURES: 90+ CRI, Dimmable, 50,000 hours life, 5-year warranty, UL listed for indoor and outdoor use, 3M™ industrial adhesive backing, For use with 24V power supplies.

SPECIFICATIONS: Series: PL - Performance 200 (Outdoor), Input Voltage: 24VDC / Constant Voltage, Watts per Foot: 1.9W/ft @ Maximum Run Length, Beam Spread: 120°, Max Run Length: Unlimited, power every 30ft, Cut Intervals: 2-5/8" (66.7mm), End Cap Dimensions: 1/2" (12.7mm) x 3/8" (9.5mm), Tape Dimensions: 7/16" (11.2mm) x 1/4" (6.3mm), CRI: 90+, Diode: Epistar 2835, Dimming Options: PWM, Trac, 0-10V, DMX, Hi-Lume, Temp Range: -40°F (-40°C) to 149°F (65°C).

KELVIN COLOR TEMPERATURE SCALE

TOTAL WATTAGE USED AT EACH LENGTH

| Run Length (ft) | 2.1 | 5.2 | 8.2 | 9.6 | 12.4 | 14.4 | 17.2 | 18.7 | 21.6 | 23 | 25.8 | 29.3 | 31.5 | 33.8 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Watts | 1.66 | 1.76 | 1.86 | 1.96 | 2.06 | 2.16 | 2.28 | 2.38 | 2.48 | 2.58 | 2.68 | 2.78 | 2.88 | 2.98 |
| Watts/ft | 35.1 | 37.1 | 38 | 40.7 | 41.9 | 43.9 | 46.6 | 47.7 | 49.9 | 50.7 | 52.4 | 54.2 | 55.6 | 57.5 |

LM79 DATA
L70 DATA
OPTICAL DATA

RoHS COMPLIANT Field Customizable 24V DC 120V AC

Questions/Support | 800-789-3810 | quotes@kelvix.com

DENALI SERIES™ FLOODLIGHT

TYPE E14A

CATALOG NUMBER LOGIC

Example: DE - LED - C20 - FL - BXP - 9 - 11 - A

Series: DE - Default Series™ Floodlight

Source: LED - °C Module with Color Tuning Technology

LED Type: C20 - 20W/LED100-4000K - Saturation and Hue (10-15W White/Redshifted)
C21 - 20W/LED100-4000K - Saturation and Hue (10-15W White/Redshifted)

Optics: SP - Spot (2/1)
FL - Flood (1/1)
WF - Wide Flood (2/1)

Finish: Standard Finish: Powder Coat Color, Satin, White, Black, White Almond, Aluminum, Veneer. Premium Finish: AMP, ANP, ADW, BOW, NMS, NRP, PFC, PPE, PMS, PPD, PPS, PPD, PPS, PPD, PPS.

Lens Type: Clear Standard, 10° Spread Lens, 12° Soft Focus Lens, 13° Rectilinear Lens

Shielding: 11 - Honeycomb Baffle™

Cap Style: A - 45°, B - 90°, C - Flush, D - 45° Inset Ring Hole, E - 90° Inset Ring Hole

LM79 DATA
L70 DATA
OPTICAL DATA

B-K LIGHTING 40429 Boulevard Drive • Moreno, CA 92558 • USA
RELIEVED: (85-24-1-6) DRAWING NUMBER: SL19-2409-400

DENALI SERIES™ FLOODLIGHT

TYPE E14B

CATALOG NUMBER LOGIC

Example: DE - LED - C20 - FL - BXP - 9 - 11 - A

Series: DE - Default Series™ Floodlight

Source: LED - °C Module with Color Tuning Technology

LED Type: C20 - 20W/LED100-4000K - Saturation and Hue (10-15W White/Redshifted)
C21 - 20W/LED100-4000K - Saturation and Hue (10-15W White/Redshifted)

Optics: SP - Spot (2/1)
FL - Flood (1/1)
WF - Wide Flood (2/1)

Finish: Standard Finish: Powder Coat Color, Satin, White, Black, White Almond, Aluminum, Veneer. Premium Finish: AMP, ANP, ADW, BOW, NMS, NRP, PFC, PPE, PMS, PPD, PPS, PPD, PPS, PPD, PPS.

Lens Type: Clear Standard, 10° Spread Lens, 12° Soft Focus Lens, 13° Rectilinear Lens

Shielding: 11 - Honeycomb Baffle™

Cap Style: A - 45°, B - 90°, C - Flush, D - 45° Inset Ring Hole, E - 90° Inset Ring Hole

LM79 DATA
L70 DATA
OPTICAL DATA

B-K LIGHTING 40429 Boulevard Drive • Moreno, CA 92558 • USA
RELIEVED: (85-24-1-6) DRAWING NUMBER: SL19-2409-400

Exton Powerspan Cable System

TYPE E15

NOT USED

Category: Exton Powerspan Self-Sealing Cable is IP65 for interior/exterior use. Supplied in 1' (30.5cm) increments with End Cap, as a stand alone to be tensioned or swaged. Field cuttable. Refer to installation instructions for Max Powerspan runs.

Material: Power Cable: Embedded stainless steel wire in the center of the Custom Cable with 10 gauge conductors inside a P-65 Self-Sealing Jacket. Mounting: Powdercoated or anodized steel and aluminum. Kore-EXS LED Module: UV stable exterior anodized aluminum, UV stable polycarbonate glass lenses, rubber O-rings.

Finish: Powerspan Cable: Black (BLK). Custom finishes not available. Kore-EXS LED Module: Exterior: tinted, brushed, two-step electrolytic color anodizing. Anodized Black (BLK) or Anodized Aluminum (AL). GERM Clear/Frosted acrylic. Envelope: Frosted Globe, Clear Globe w/ half copper or silver mirror finish. Pendant Power Cord: Clear with aluminum Kore-EXS Module and black Kore-EXS Module. SJ Cord is factory cut in 1' (30.5cm) increments as specified from 8" (203mm) max. up to 16' (4.88m) max. Mounting: Powdercoat Black.

Power Supply Enclosure: Refer to Exton Power Supply IP90 Specsheet, IP24 Specsheet or IP66 Specsheet for details.

Powerspan Cable: Exton Powerspan Self-Sealing Cable is IP65 for interior/exterior use. Supplied in 1' (30.5cm) increments with End Cap, as a stand alone to be tensioned or swaged. Field cuttable. Refer to installation instructions for Max Powerspan runs.

Mounting: Surface Mount: 8" Wing Bracket, Black (EXWB-8-BLK), Surface Mount 3" Wing Bracket, Black (EXWB-3-BLK), Vertical Surface Mount Bracket, Black (EXVSB-BLK), Horizontal Surface Mount Bracket, Black (EXHSB-BLK), Standoff Bracket, Black (EXSB-BLK), Surface Mount "Drop" Bracket, Black (EXDSB-BLK), Tensioning Surface End Bracket, Black (EXTEB), Tree Strap & Buckle, Black (EXTSB-BLK), Exton End Cap - Black (EXEC-BLK).

Pole Mounting: Tegan has partnered with AV Poles & Lighting. Poles can be ordered from Tegan Lighting. AV is well versed on the Exton System and has installed many similar tensioned projects. As required, engineering services will be provided in the quote to insure proper structural installation per code requirements. Refer to Exton Application Guide for information and more details. Poles can also be provided by others; engineering is required by others to ensure structural integrity. Note: Tegan is not responsible for Pole/Engineering provided by others.

Cable Span: Maximum Cable mounting is 110' (33.5m). Note that the cable must be a continuous run without interruption. 550W max. per circuit. When specifying cable length, add 50% to the run length for installation.

Power Feed: Exton IP-65 Power Feed for Remote Power Supply - Black Finish (DXPF-BLK), Field paintable; contact factory for custom colors. J-Box by others.

LED: High Wattage Army Core LED, 5-Step Macradium SW @ 500 Lumens Output with 5700K, 80-85 CRI typical. All values are initial lumens. For exact lumen output and wattage consumption data, please consult LM79 reports. Online power consumption does not include driver losses. Contact factory for 2400K, 3500K, 4000K or 90 CRI.

REGAN teganlighting.com • info@teganlighting.com • 415-504-3536 • TC37 5/18/18 1

COLE LIGHTING SUBMITTAL

TYPE E16

NOT USED

TYPE E17

CATALOG NUMBER

Formed Stainless Steel

Construction: Available in formed stainless steel with welded and beveled joints for a seamless appearance or anodized aluminum. A high impact extruded acrylic lens steps into place and is further retained by fasteners at each end. The fastener design minimizes visible brightness at sites and is available in clear or frosted. Fast rail is bonded to fit ending stays, ramps, and walkways. Aluminum rails supplied with a powder coat or anodized finish. Stainless steel rails supplied with a satin finish, passivated.

Electrical: LED modules are 24 VDC constant voltage at 2.5 and 300 lumens per foot. Available in 3000K or 4000K color temperatures. Beam spreads in 50°, 65°, and 80° patterns. LEDs are configured to allow uniform illumination. Electrical locations are pre-determined at time of submittal. Universal voltage LED drivers may be integral in the posts or wiring (120V only), or may be remote if required. Dimmable drivers are available upon request.

How to Specify: Every Lightrail is custom designed and fabricated to your specific project conditions. Drawings will be submitted on each project requesting specific dimensions to assure proper fit. Plans and elevation drawings are required for pricing and submittal drawing production. 1. Submit catalog number, options, and voltage; (example: LRSF-LED-SS11-9-INT-RE-277). 2. Add special features and requirements necessary to complete specification.

Catalog Number: Stainless Steel (SS) | Aluminum (AL)

Post mounted, integral driver: LRSF-LED-SS-INT | LRSF-LED-AL-INT
Post mounted, remote driver: LRSF-LED-SS-REM | LRSF-LED-AL-REM
Wall mounted, integral driver: LRSW-LED-SS-INT | LRSW-LED-AL-INT
Wall mounted, remote driver: LRSW-LED-SS-REM | LRSW-LED-AL-REM

Options: Endic: Add suffix: RE Loop | LE | ME. Shub | SE. Baseplate: 5' x 5' (30" x 30") (Minimum) | 4" x 4" (32" x 32") (Standard) | 5' x 5' (30" x 30") (Stainless Steel) baseplate with four 5/8" holes. Add suffix: BP. Envelope: Add suffix: EG. Frosted lens: (clear diffuser only). Add suffix: FL. Curved rail: Consult with factory. Add suffix: CRV. Emergency battery: Provides up to 90 min. operation for both LED and fluorescent models (remote only). Add suffix: EM.

Asymmetric distribution: One side blocked (not available on Proforma models). Add suffix: ASYM. 50° beam. Add suffix: AD50. 4000°K Color temperature: (3000°K only). Add suffix: 4K. Beam spread: (30° only). 65° Add suffix: 65. 80° Add suffix: 80. Color: (FWC: Tunable compliant, 500nm, Amber. Add suffix: AMB. Dimming: Universal voltage 0-10V driver. Add suffix: DIM. Color: (FWC: Tunable compliant, 500nm, Amber. Add suffix: AMB.

End Treatments: Mirror End, Loop End, Stick End, Radius End

COLE LIGHTING www.colelighting.com

C. W. Cole & Company, Inc. | (858) 443-2473 | 2580 N. Rosemead Blvd. | San Diego, CA | (858) 443-9253 | 91733-1593

DENALI SERIES™ FLOODLIGHT

TYPE E18

CATALOG NUMBER LOGIC

Example: DE - LED - C20 - FL - BXP - 9 - 11 - A

Series: DE - Default Series™ Floodlight

Source: LED - °C Module with Color Tuning Technology

LED Type: C20 - 20W/LED100-4000K - Saturation and Hue (10-15W White/Redshifted)
C21 - 20W/LED100-4000K - Saturation and Hue (10-15W White/Redshifted)

Optics: SP - Spot (2/1)
FL - Flood (1/1)
WF - Wide Flood (2/1)

Finish: Standard Finish: Powder Coat Color, Satin, White, Black, White Almond, Aluminum, Veneer. Premium Finish: AMP, ANP, ADW, BOW, NMS, NRP, PFC, PPE, PMS, PPD, PPS, PPD, PPS, PPD, PPS.

Lens Type: Clear Standard, 10° Spread Lens, 12° Soft Focus Lens, 13° Rectilinear Lens

Shielding: 11 - Honeycomb Baffle™

Cap Style: A - 45°, B - 90°, C - Flush, D - 45° Inset Ring Hole, E - 90° Inset Ring Hole

LM79 DATA
L70 DATA
OPTICAL DATA

B-K LIGHTING 40429 Boulevard Drive • Moreno, CA 92558 • USA
RELIEVED: (85-24-1-6) DRAWING NUMBER: SL19-2409-400

FEISS

OL5421GBZ-2 Light Wall Lantern

Dimensions:
Width: 8 1/8"
Height: 20 3/8"
Weight: 5.7 lbs.



Collection: Colonial Lane

The classic appeal of the Colonial Lane lighting collection by Feiss features the look of hand-crafted lighting collection by Feiss...

UPC: 8 0017188515
Finish: Onyx Bronze (OSB)

Table with columns: Shade / Glass / Diffuser Details, Material, Finish, Weight, etc.

Feiss reserves the right to modify the design of any product due to availability or change in safety. Safety standards without assuming any obligation or liability to modify any product previously manufactured and without notice.

TYPE E19



Philips Gardco dome and bevel top lower LED bollards provide uniform illumination, superior spacing and solid vandal resistance.

Material List:
1 - Bollard - Onyx Bronze
Safety Listing:
2 - Castalides B Torpedo 8/8 Max. 120V - Not Included

Ordering guide table with columns: Profile, Height, LED Control, LED Selection, Lighted Coverage, Voltage, Finish.

Example: BRM30-42-CW-NW-360-UNV-BSP

1. Not available in 34V.
2. BRM30 and BRM34 only.
3. If height option is selected only for "bead only" units - BRM32 and BRM33.
4. A variation of LED wattage (W) may occur due to LED manufacturer's binning and specification and ambient temperature.

5. Consult factory for lead times.
6. 34V bollards require and include a step-down transformer in bollard. Not available in BRM32 or BRM33.
7. SW option is not available with any other control options.

LED, bollard, BRM30, 837 06/17 page 1 of 4

TYPE E20

LED recessed wall luminaires - asymmetrical

Application: LED recessed wall luminaire with asymmetrical light distribution for the illumination of ground surfaces, building entrances, stairs and footpaths.

Materials: Luminaire housing and footplate constructed of die-cast aluminum marine grade, copper free (0.3% copper content) A380.0 aluminum alloy.

Electrical: Operating voltage: 120-277V AC
Minimum start temperature: -40°C
LED module wattage: 4.1W
System wattage: 6.0W

LED color temperature: 2700K - Product number = K27
3000K - Product number = K3
3500K - Product number = K33
4000K - Product number = K4

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish: All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors: Black (BLK) White (WHT) RAL: Bronze (BRZ) Silver (SLV) CUS:

3303 4.1W A B C 8% 21% 5%

BEGA 1000 BEGA Way, Carpinteria, CA 93013 805-684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com or through the link below.

TYPE E21

6S40LED SEVILLE SERIES TYPE E22A, E22B, E22C



ORDERING EXAMPLE: 2A-5640LED-SF-IL40T3-MDL10-SV15-R-PE/480P/M3610P/SCC/BIKT

Mounting Configuration:
• IW - 2x90
• FT - 2x90T
• IA - 3x90
• 2A - 3x90T

Options (click here to view accessories sheet):
• R1 3-Pin control receptacle only
• R2 5-Pin control receptacle only

Finish (click here to view paint finish sheet):
• WHT White Textured
• BRZ Bronze Textured
• SLV Silver Textured

LED recessed wall luminaires - asymmetrical
3303 4.1W A B C 8% 21% 5%

BEGA 1000 BEGA Way, Carpinteria, CA 93013 805-684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com or through the link below.

LED recessed ceiling luminaires - Vortex optics - Asymmetric

TYPE E23

Application: Linear LED recessed ceiling luminaire with asymmetric light distribution. The patent pending "vortex reflector" rotates a parabolic reflector around the vertical axis to form a vortex effect.

Materials: Luminaire housing and trim constructed of die-cast marine grade, copper free (0.3% copper content) A380.0 aluminum alloy.

Electrical: Operating voltage: 120-277V AC
Minimum start temperature: -40°C
LED module wattage: 16.0W
System wattage: 19.0W

LED color temperature: 4000K - Product number = K4
3000K - Product number = K3
2700K - Product number = K27

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish: All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

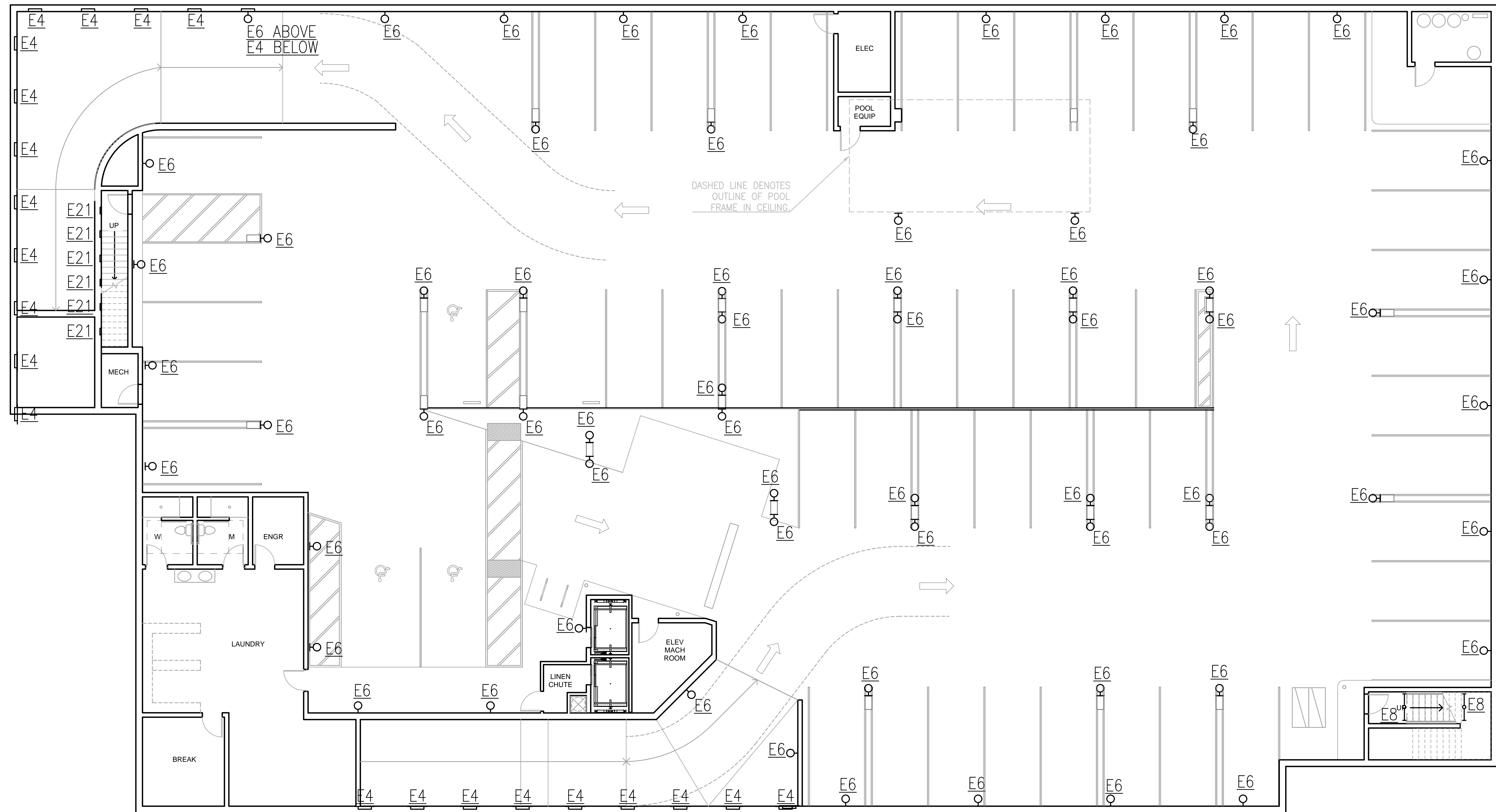
Available colors: Black (BLK) White (WHT) RAL: Bronze (BRZ) Silver (SLV) CUS:

24306 16.0W A B C 21% 3 3%

BEGA 1000 BEGA Way, Carpinteria, CA 93013 805-684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com or through the link below.





GARAGE LIGHTING PLAN - BASEMENT LEVEL
 SCALE: 1/8" = 1'-0"

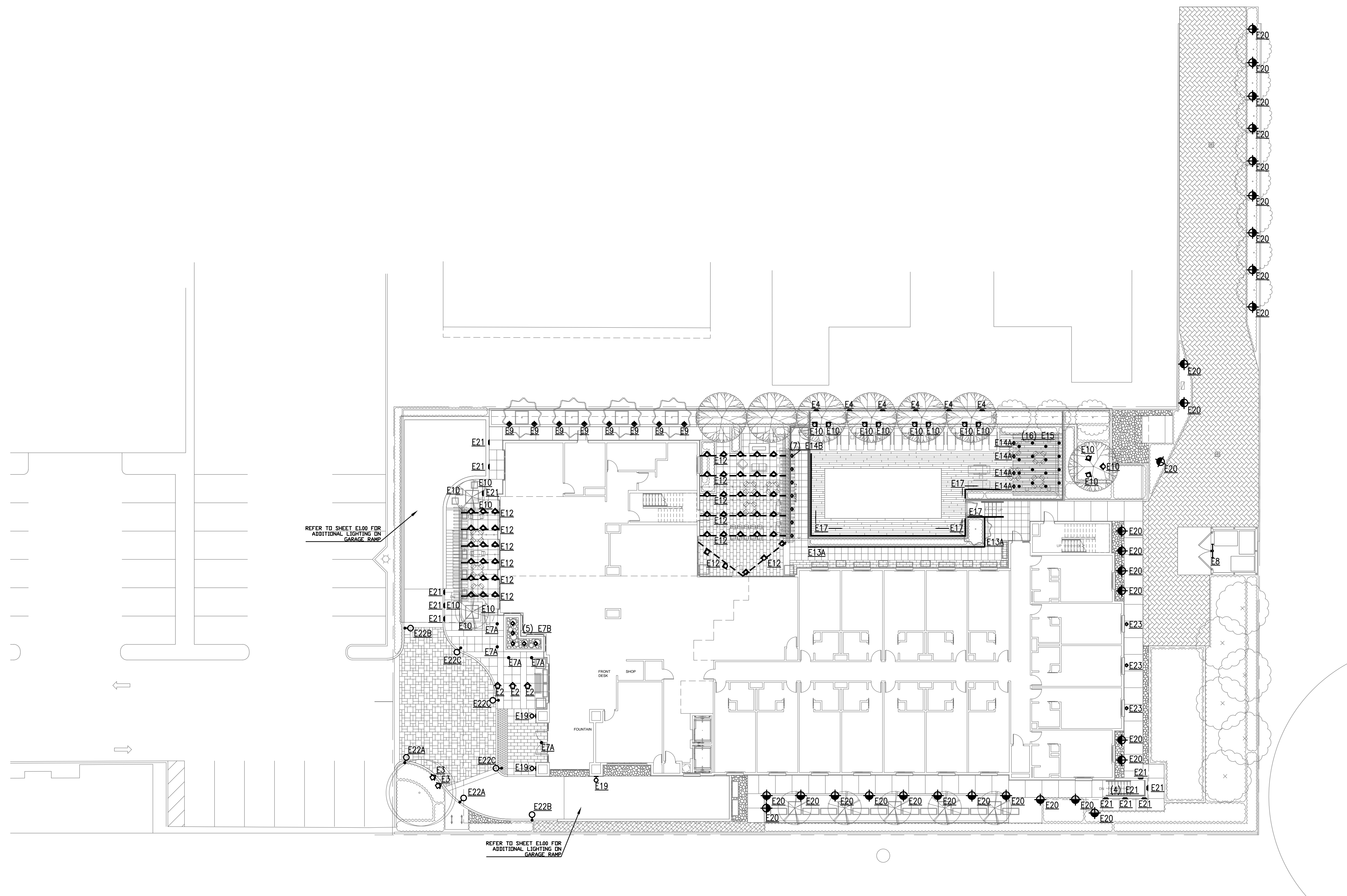
1704 EL CAMINO REAL, MENLO PARK, CALIFORNIA 94027

SAGAR PATEL

E1.00

PLANNING SUBMITTAL 01/29/2019
 PROJECT NO: 15111





EXTERIOR AND SITE LIGHTING PLAN - LEVEL 1
 SCALE: 1/16" = 1'-0"

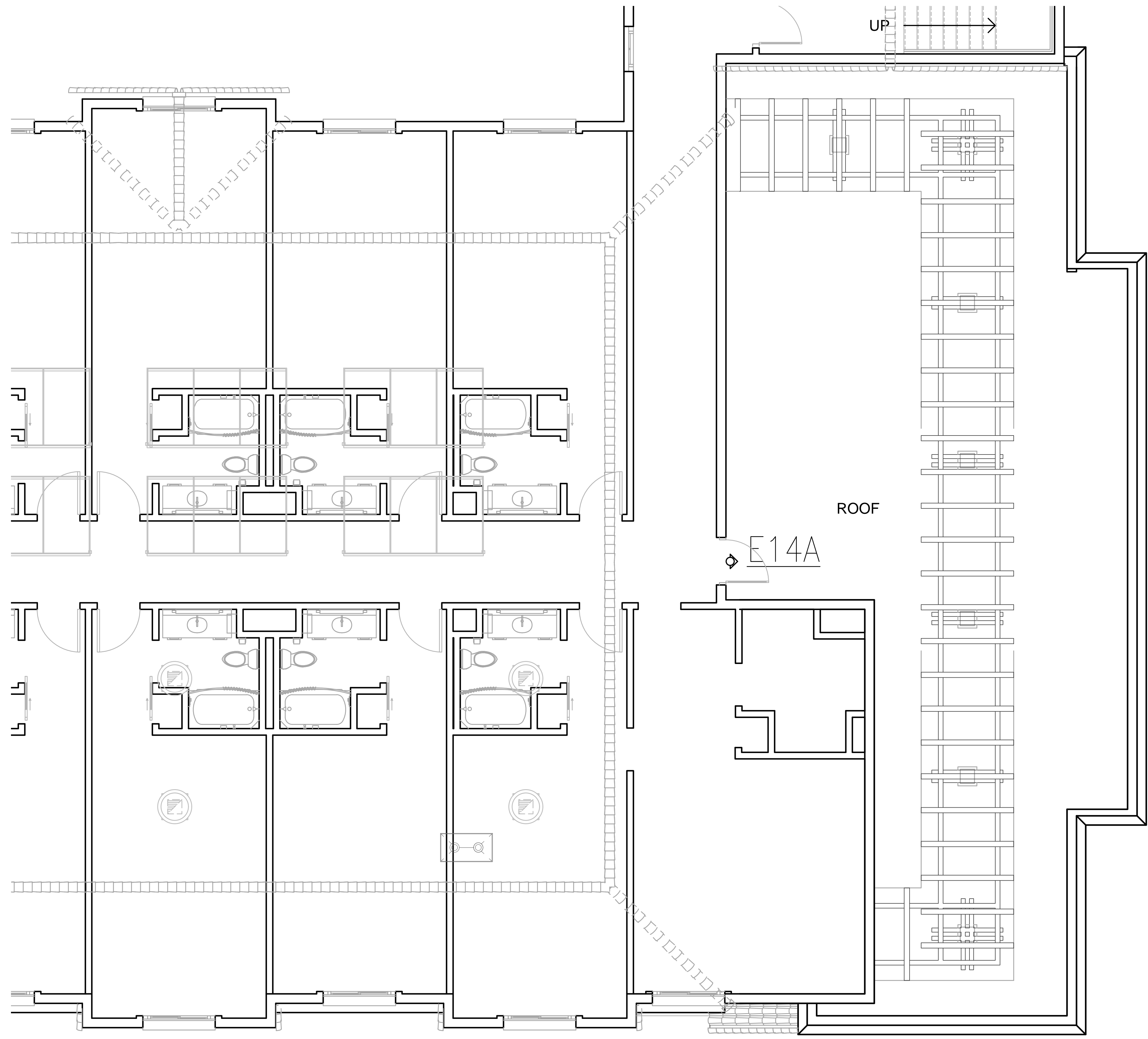
1704 EL CAMINO REAL, MENLO PARK, CALIFORNIA 94027

SAGAR PATEL

E1.01

PLANNING SUBMITTAL 01/29/2019
 PROJECT NO: 15111





EXTERIOR AND SITE LIGHTING PLAN - LEVEL 3

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

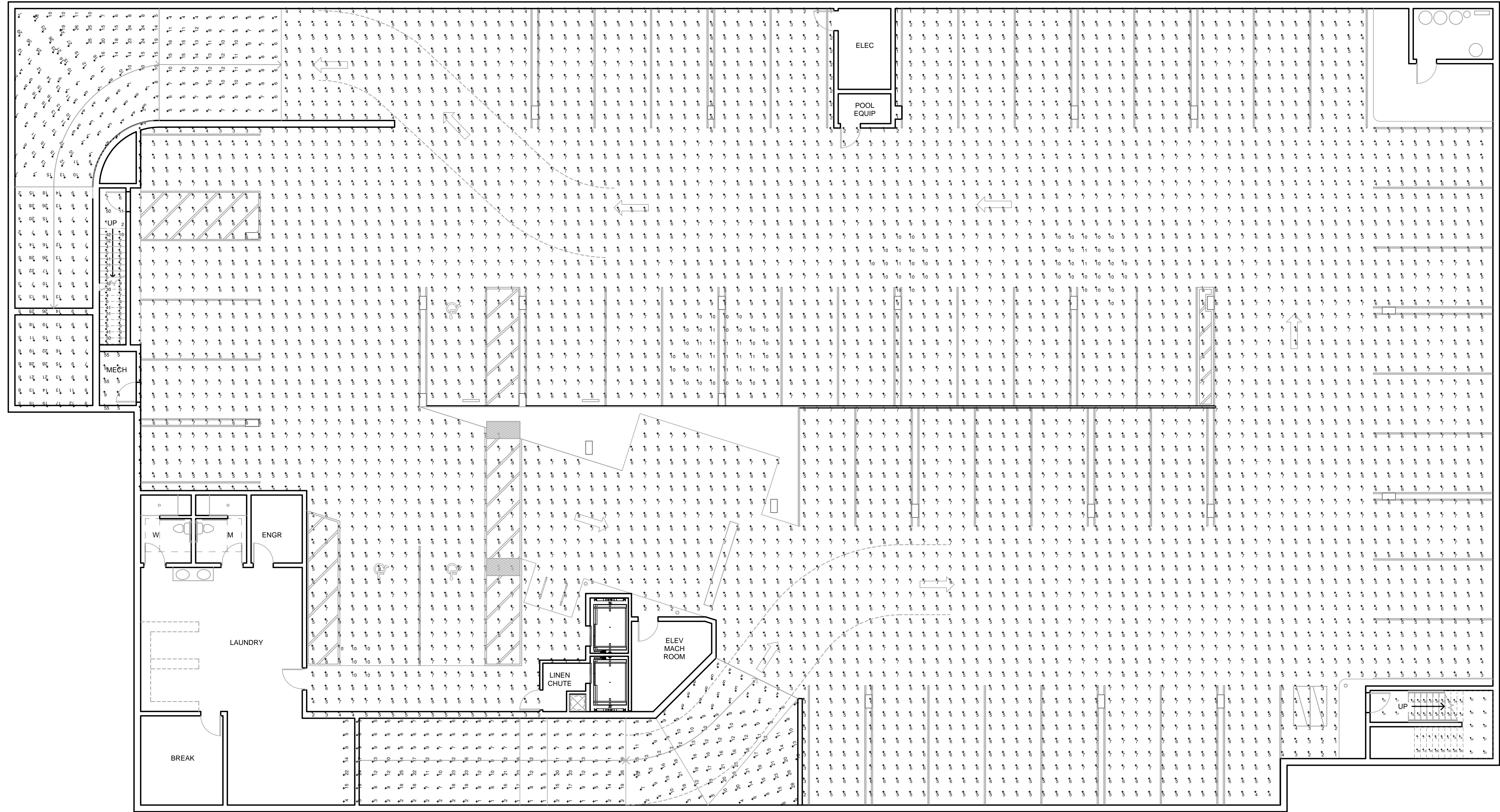
1704 EL CAMINO REAL, MENLO PARK, CALIFORNIA 94027

SAGAR PATEL

E1.02

PLANNING SUBMITTAL 01/29/2019
PROJECT NO: 15111

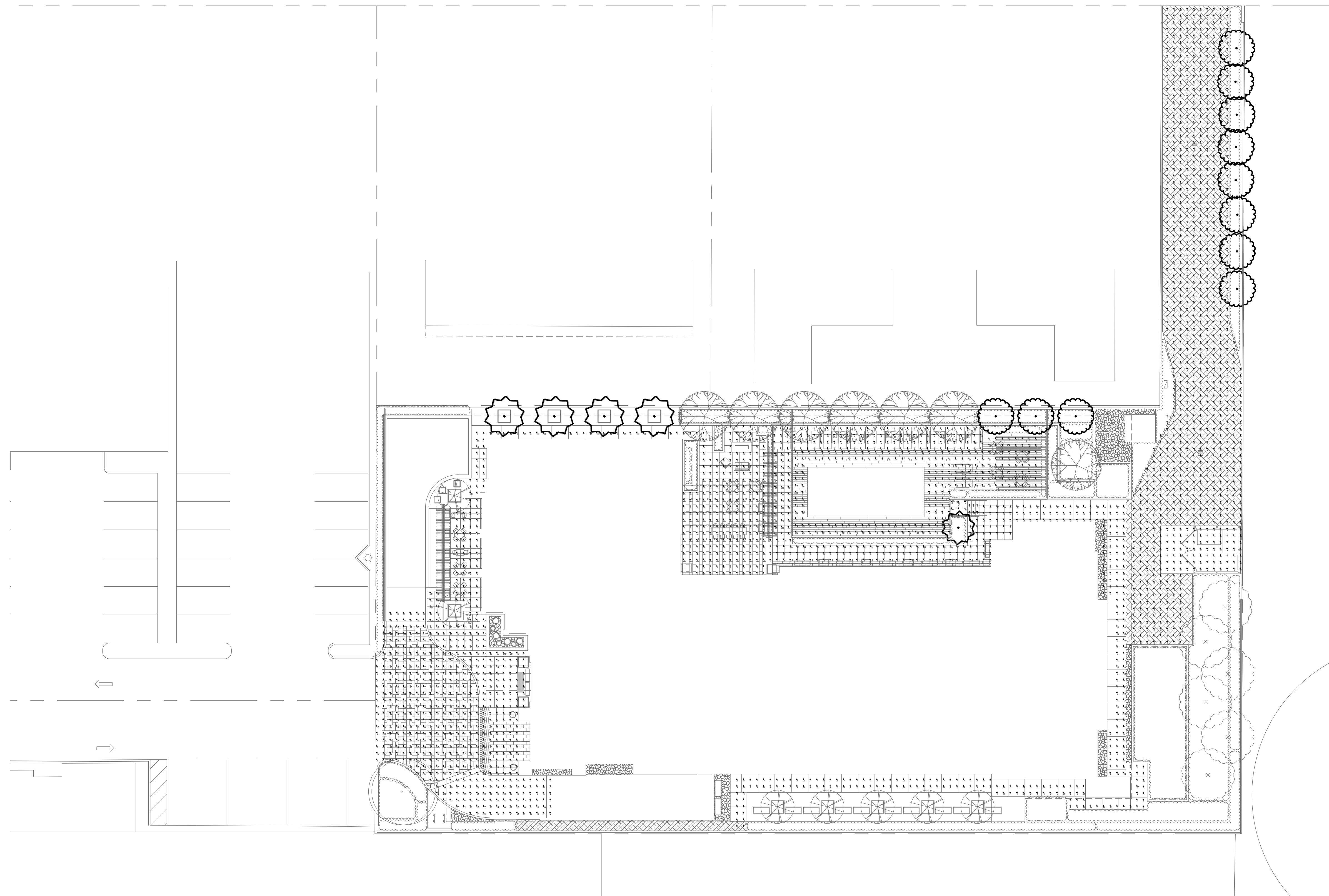




GARAGE PHOTOMETRIC PLAN - BASEMENT LEVEL

E1.10





EXTERIOR AND SITE PHOTOMETRIC PLAN - LEVEL 1

1704 EL CAMINO REAL, MENLO PARK, CALIFORNIA 94027

SAGAR PATEL

E1.11

PLANNING SUBMITTAL 01/29/2019
PROJECT NO: 15111



CONSTRUCTION PHASES

(Work Hours 8AM — 5PM)

PHASE 1: Demolition = 15 days

PHASE 2: Excavation, grading, site prep = 38 days

PHASE 3: Trenching = 9 days

PHASE 4: Building interior/exterior = 165 days

PHASE 5: Final site and landscape = 10 days

TOTAL DURATION = 13 months

 Jobsite Trailer

TRUCK HAUL LOGISTICS

(Final plan submitted after contractor selection and dirt disposal site determined)



During off haul and concrete truck access — traffic control to be in place:

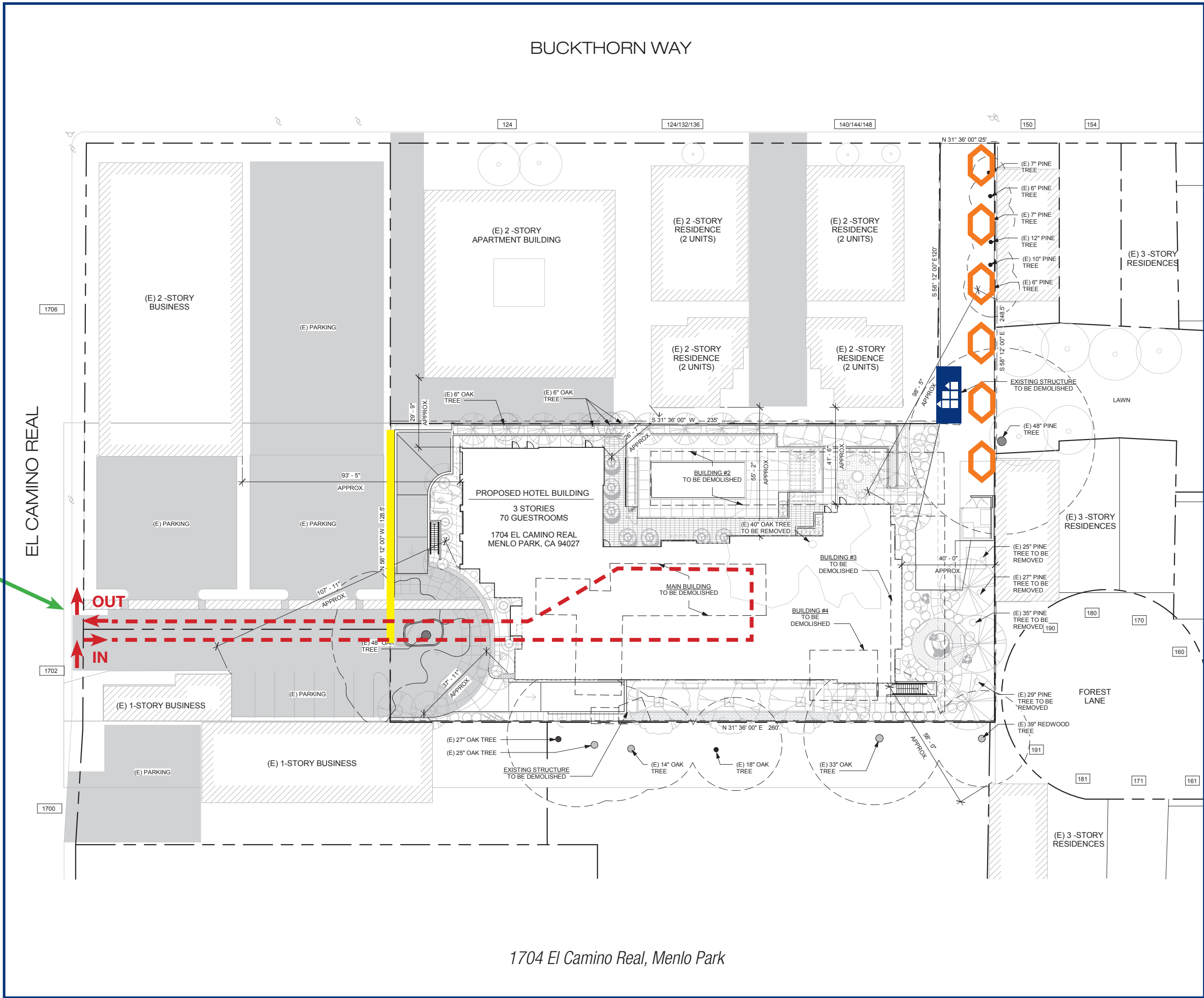
- Flagman
- Temp lane closure during non-peak commute hours
- Sidewalk temp closure during construction, excavation and concrete pours

Entrance and exit to be off El Camino Real (**only access point off property**)

- Import 383 CY asphalt and soils
- Export 10,000 CY soils
- Export 245 CY demo for recycle

CONSTRUCTION PARKING

-  **ALL PHASES:** Construction fence
-  **PHASE 1 & 2:** Construction parking (small vehicles will use onsite garage for Phases 3 & 4)



1704 El Camino Real, Menlo Park

