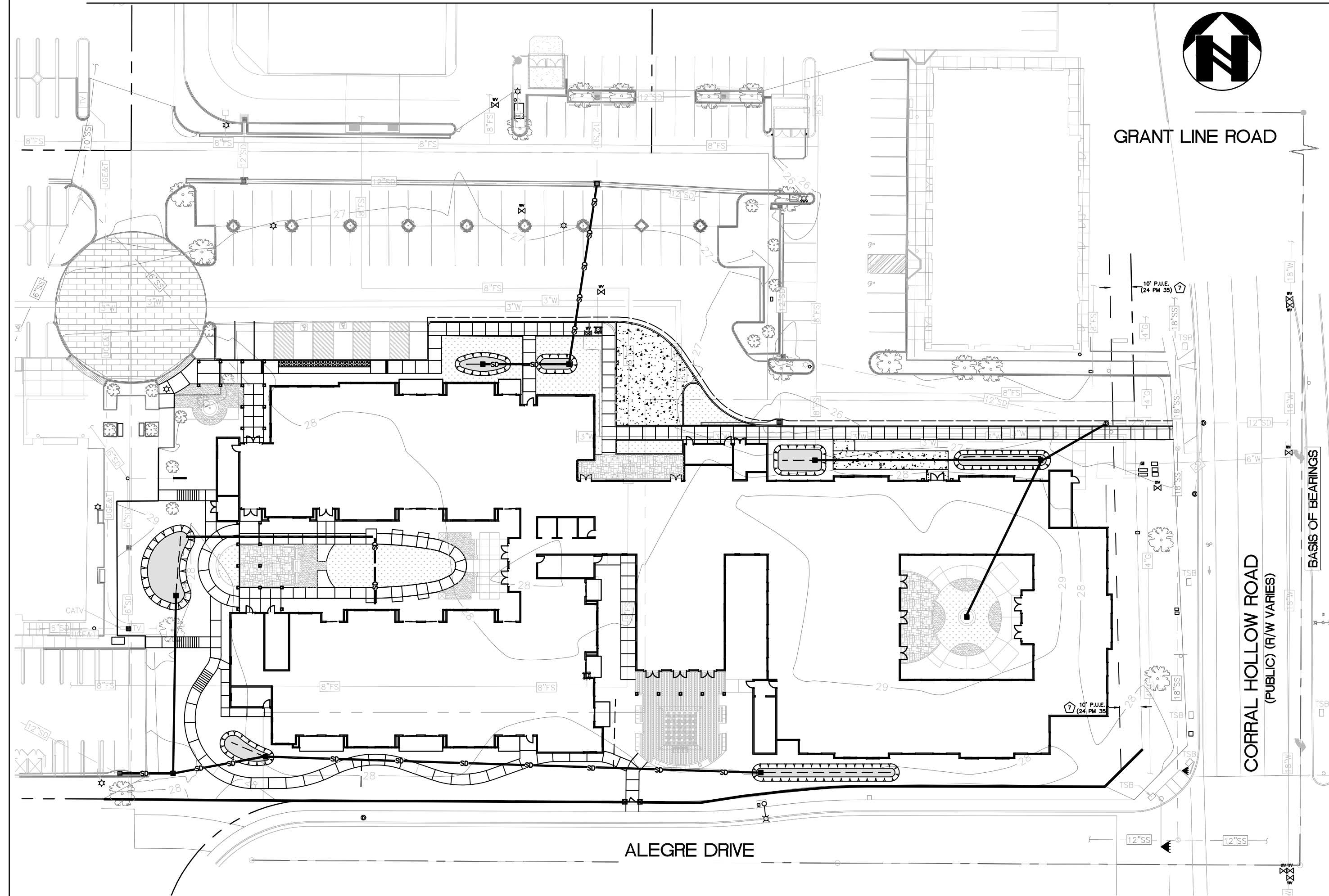


BF	BACKFLOW PREVENTER		MONITORING WELL
CB	CATCH BASIN		POWER POLE
CL	CENTERLINE		IRON PIPE
DCV	DETECTOR CHECK VALVE		RAILROAD SPIKE
DE	DIRT ELEVATION		STANDARD CITY MONUMENT
DWY	DRIVEWAY		SURVEY MONUMENT
E	ELECTRICAL LINE		STORM DRAIN MANHOLE
EB	ELECTRIC BOX		STREET SIGN
EP	EDGE OF PAVEMENT		STREET LIGHT
EX	EXISTING		
FDC	FIRE DEPARTMENT CONNECTION		WATER VALVE
FF	FINISHED FLOOR		
FL	FLOWLINE		12" TREE WITH SIZE
FS	FINISHED SURFACE/FIRE SERVICES		TREE REMOVAL
G	GAS PIPE		
GB	GRADE BREAK		TRANSFORMER
GM	GAS METER		X BARBED WIRE FENCE
GP	GUARD POST		O CHAIN-LINKED FENCE
GR	GRATE		WOOD FENCE
HCR	HANDICAP RAMP		--- SAWTOOTH LINE
INV	INVERT		WALL
JP	JOINT POLE		
JT	JOINT TRENCH		
LF	LINEAR FEET		SD EXISTING STORM DRAIN CATCH BASIN
MW	MONITORING WELL		WM EXISTING WATER METER / GAS METER
OHE	OVERHEAD ELECTRIC		O EXISTING SANITARY SEWER CLEANOUT
OHT	OVERHEAD TELEPHONE		
PAE	PUBLIC ACCESS EASEMENT		EXISTING FIRE HYDRANT
PB	PULL BOX		EXISTING SANITARY SEWER MANHOLE
PCC	PORTLAND CEMENT CONCRETE		STORM DRAIN MANHOLE
PG&E	PACIFIC GAS & ELECTRIC		
PIV	POST INDICATOR VALVE		EXISTING WATER VALVE
PUE	PUBLIC UTILITY EASEMENT		EXISTING GAS VALVE
PVC	POLYVINYL CHLORIDE PIPE		EXISTING CONTOUR
R	RIDGE LINE		EXISTING ELEVATION
RCF	REINFORCED CONCRETE PIPE		
RPP	REDUCED PRESSURE PRINCIPLE BACKFLOW		TC - TOP OF CURB ELEVATION
SD	STORM DRAIN PIPE		FS - FINISHED SURFACE
SDCB	STORM DRAIN CATCH BASIN		GR - GRATE ELEVATION
SDCO	STORM DRAIN CLEANOUT		FL - FLOW LINE
SDMH	STORM DRAIN MANHOLE		HP - HIGH POINT
SS	SANITARY SEWER PIPE		
SSCO	SANITARY SEWER CLEANOUT		
SMH	SANITARY SEWER MANHOLE		
SW	SIDEWALK		51 PROPOSED CONTOUR
T	TELEPHONE LINE		3.0% SLOPE
TC	TOP OF CURB		PROPOSED CURB
TH	TOP OF CONCRETE HEADER		
TORW	TOP OF RETAINING WALL		PROPOSED BIOSWALE CURB
TP	TELEPHONE POLE		PROPOSED CURB AND GUTTER
TS	TRAFFIC SIGNAL		
TSB	TRAFFIC SIGNAL BOX		PROPOSED FIRE LANE
VG	VALLEY GUTTER		HANDICAP RAMP
W	WATER PIPE		
WM	WATER METER		

6"W	EXISTING WATER LINE	GV	PROPOSED GAS VALVE
2"G	EXISTING GAS LINE		OVERLAND RELEASE
8"SS	EXISTING SANITARY SEWER LINE		CONTROLLER CABINET
SD	EXISTING STORM DRAIN LINE		FIRE HYDRANT
E	EXISTING ELECTRICAL LINE		GUY POLE
TEL	EXISTING TELEPHONE LINE		HANDIC

SITE KEY MAP 1"=40'



DEVELOPER

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LAND DEVELOPMENT CONSULTANTS
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1731 TECHNOLOGY DRIVE, SUITE 880
SAN JOSE, CA
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GREG IRWIN

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BOB BURDUE / AL SHAGHAGHI

333 CIVIC CENTER PLAZA
TRACY, CALIFORNIA, 95376
PHONE: (209) 831-6000



C-1.1 COVER SHEET
C-2.1 HORIZONTAL CONTROL PLAN
C-3.1 UTILITY PLAN
C-4.1 GRADING PLAN
C-5.1 STORMWATER CONTROL PLAN
C-5.2 STORMWATER CONTROL PLAN

UTILITY NOTES:

1. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES, PIPE SIZES AND/OR STRUCTURES SHOWN ON THIS SURVEY WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER RECORDS OR ACCEPTED DATA ON THIS SURVEY. THE CONTRACTOR SHALL ASCERTAIN THE TRUE LOCATION OF ANY UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR DAMAGES TO ANY PUBLIC OR PRIVATE UTILITIES, SHOWN OR NOT SHOWN HEREON.
2. THE UTILITIES SHOWN HEREON ARE BASED ON A FIELD INSPECTION IN CONJUNCTION WITH THE RECORD DRAWING, WHICH IS DATED 11-21-08 ON FILE IN THE CITY OF TRACY, CA., JOB NUMBER 4441.
3. AREAS OF TALL GRASS, BRUSH, OR LANDSCAPING COULD HAVE UTILITIES STRUCTURES THAT ARE UNDETECTABLE WHILE CONDUCTING A FIELD INSPECTION.

THE SUBJECT PROPERTY IS SHOWN ON THE FEDERAL EMERGENCY
MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP, COMMUNITY PANEL
NUMBER 060767 0336 H, DATED AUGUST 16, 2012, AS BEING LOCATED IN
FLOOD ZONE "X";

AREAS OF DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD.
INFORMATION WAS OBTAINED FROM THE FEMA WEBSITE (WWW.FEMA.GOV) ON
AUGUST 21, 2018.

THE MONUMENT LINE FOR CORRAL HOLLOW ROAD, TAKEN AS SOUTH 00°16'22" WEST, AS SHOWN ON PARCEL MAP BOOK 25 PAGE 156, SAN JOAQUIN COUNTY RECORDS WAS USED FOR THE BASIS OF BEARINGS FOR THIS SURVEY

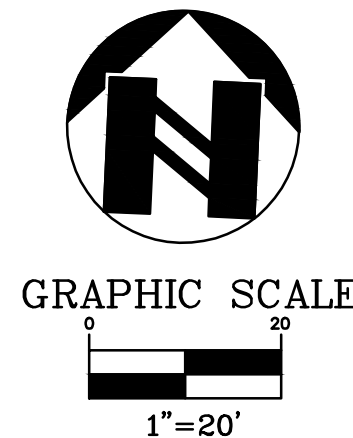
CITY OF TRACY BENCHMARK POINT NO. 22, AS SHOWN ON THE
RECORD OF SURVEY RECORDED JUNE 26, 2007 IN BOOK 36 OF
SURVEYS, SAN JOAQUIN COUNTY RECORDS. 2.5" BRASS DISK
W/PUNCH STAMPED "LS 4233" MARKING THE CENTERLINE
INTERSECTION OF GRANT LINE ROAD AND CORRAL HOLLOW ROAD.

ELEVATION = 25.84 (NAVD 88 DATUM)

[illegible]

Parcel Line Table		
Line #	Length	Direction
L1	14.42	S0° 00' 00.00"E
L2	97.83	S90° 00' 00.00"E
L3	86.10	N89° 57' 17.21"E
L4	29.36	N0° 02' 42.79"W
L5	14.91	N0° 02' 42.79"W
L7	70.58	N90° 00' 00.00"E
L8	186.98	N90° 00' 00.00"E

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C3	12.74	5.00	145.95	S72° 55' 49"W	9.56
C1	3.14	2.00	89.95	S44° 58' 39"W	2.83
C2	34.18	35.00	55.95	N62° 04' 11"W	32.84
C4	34.33	35.00	56.20	S61° 53' 54"E	32.97

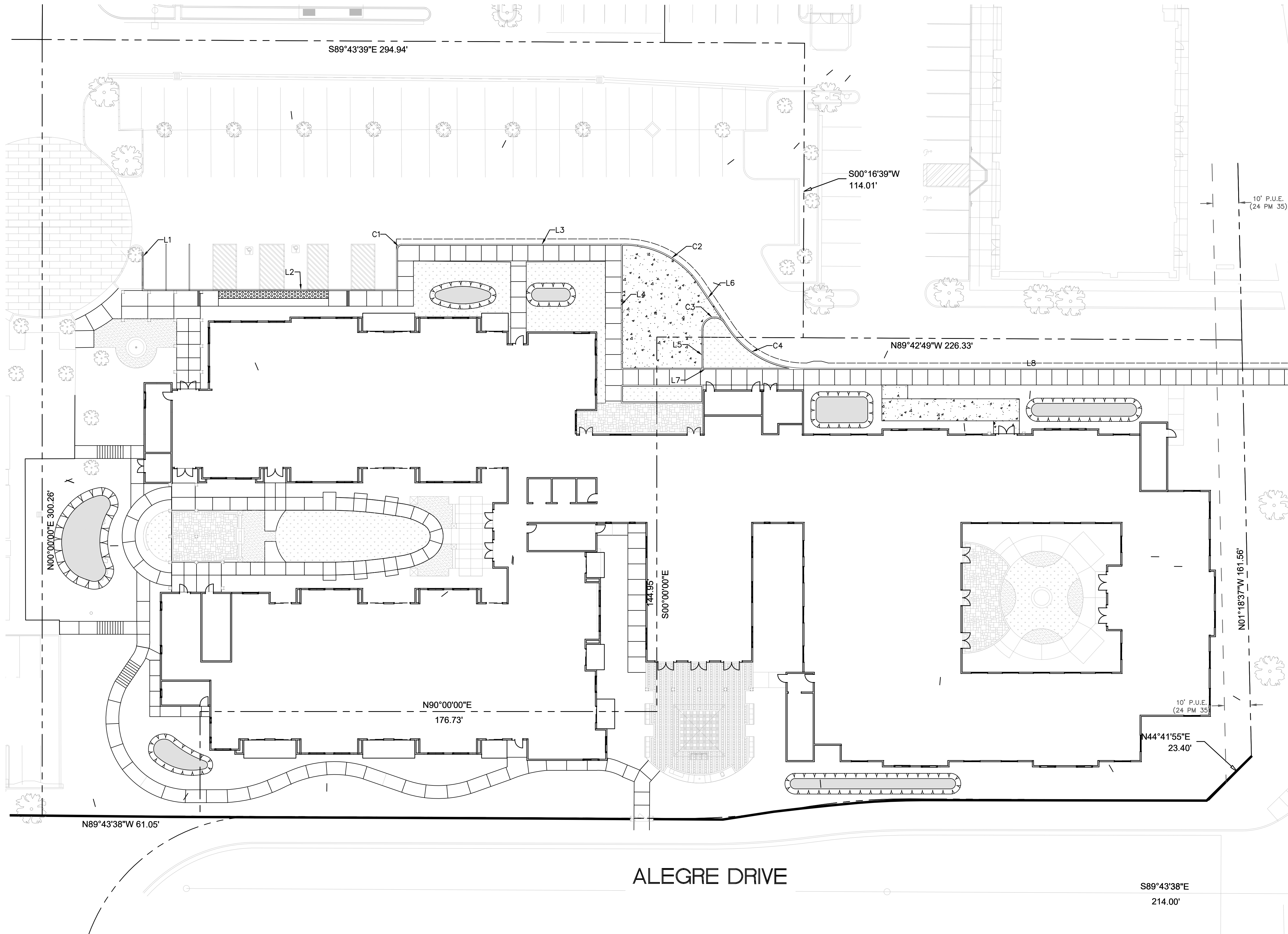


BASIS OF BEARINGS

THE MONUMENT LINE FOR CORRAL HOLLOW ROAD, TAKEN AS SOUTH 00°16'22" WEST, AS SHOWN ON PARCEL MAP BOOK 25 PAGE 156, SAN JOAQUIN COUNTY RECORDS WAS USED FOR THE BASIS OF BEARINGS FOR THIS SURVEY

BENCHMARK

CITY OF TRACY BENCHMARK POINT NO. 22, AS SHOWN ON THE RECORD OF SURVEY RECORDED JUNE 26, 2007 IN BOOK 36 OF SURVEYS, SAN JOAQUIN COUNTY RECORDS. 2.5" BRASS DISK W/PUNCH STAMPED "LS 4233" MARKING THE CENTERLINE INTERSECTION OF GRANT LINE ROAD AND CORRAL HOLLOW ROAD.
ELEVATION = 25.84 (NAVD 88 DATUM)



SHEET
C-2.1

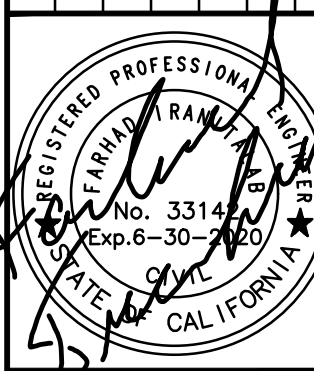
PROJECT

19-2445

HORIZONTAL CONTROL PLAN
TRACY ASSISTED LIVING AND MEMORY CARE

TRACY SAN JOAQUIN COUNTY CALIFORNIA

ams
associates, inc. PLANNING ENGINEERING SURVEYING
801 YGNACIO VALLEY ROAD
SUITE 220
WALNUT CREEK, CA 94596
925-943-2777 FAX 925-943-2778



DATE:	8/19/2019	REV #	BY	DATE	DESCRIPTION
SCALE:	1"=20'				
DESIGNED:	BF				
DRAWN:	BF				
CHECKED:	AS				
PAROL MGR:	AS				
FILE PATH:	Y:\19-2445 TRACY\19-2445 HORIZONTAL CONTROL.DWG				

UTILITIES NOTES:

SEWER:

- 1 5 LF 4" SS @ S = 0.020
- 2 20 LF 4" SS @ S = 0.020
- 3 CONNECT NEW 4" SS PIPE TO EX. 6" SS PIPE. INSTALL NEW SS CO PER CITY STD 202. POTHOLE TO VERIFY INVERT AND FIELD ADJUST UPSTREAM AS REQUIRED TO MAINTAIN 2% MIN. SLOPE.

WATER:

- 1 REMOVE EXISTING 8" FIRE SERVICE LINE UNDER THE BUILDING.
- 2 RELOCATE 40 LF OF EXISTING 3" DOMESTIC WATER LINE.
- 3 INSTALL DETECTOR CHECK VALVE PER CITY STD DETAIL 410.
- 4 FIRE DEPARTMENT CONNECTION.
- 5 REMOVE EXISTING 8" FIRE SERVICE LINE AFTER FIRE HYDRANT CONNECTION. INSTALL 2" BLOW OFF PER CITY STD DETAIL 409. FIRE HYDRANT TO REMAIN.
- 6 EXISTING 8" FIRE SERVICE LINE TO REMAIN.
- 7 INSTALL NEW 108 LF 8" FIRE SERVICE LINE.
- 8 INSTALL NEW 243 LF 8" FIRE SERVICE LINE.

STORM:

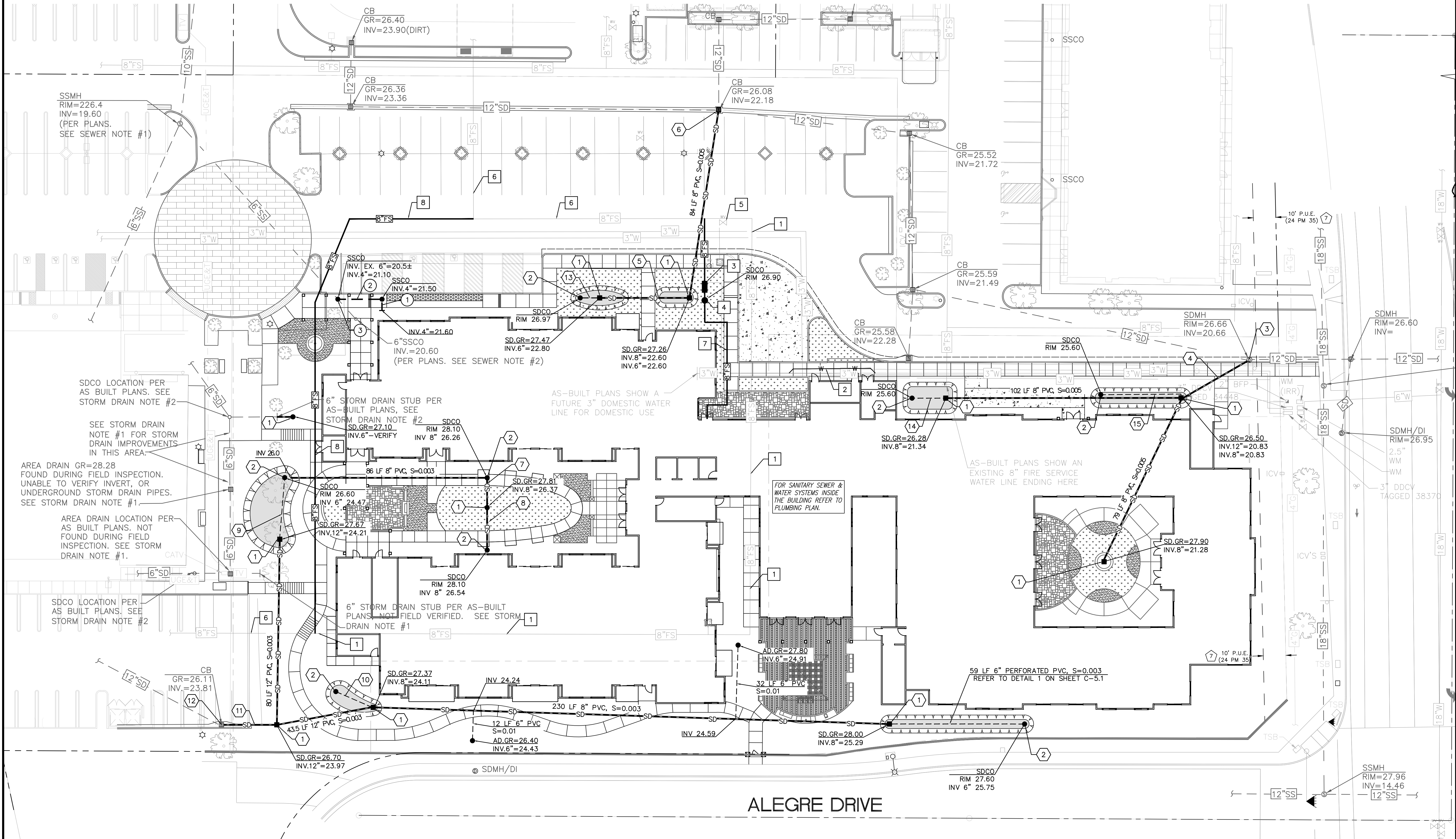
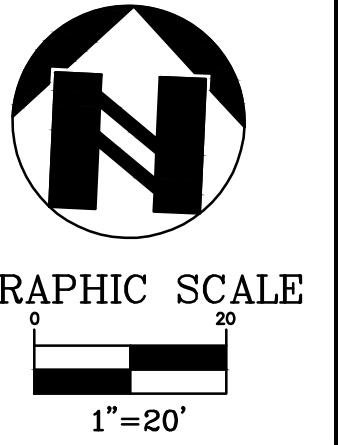
- 1 INSTALL AREA DRAIN INLET PER CITY STD 303A.
- 2 INSTALL SD CLEANOUT PER CITY STD 202.
- 3 CONNECT TO EX. SD MANHOLE. DIAMOND DRILL MANHOLE WALL AND SEAL WITH EPOXY SEALER.
- 4 INSTALL 33 LF 12" PVC @ S=0.005
- 5 INSTALL 40 LF 6" PVC @ S=0.005
- 6 CONNECT TO EX. SD CB. DIAMOND DRILL CONCRETE WALL AND SEAL WITH EPOXY SEALER.
- 7 INSTALL 11 LF 8" PVC @ S=0.01
- 8 INSTALL 17 LF 8" PVC @ S=0.01
- 9 INSTALL 26 LF 6" PERFORATED PVC @ S=0.01
- 10 INSTALL 16 LF 6" PERFORATED PVC @ S=0.005
- 11 INSTALL 24 LF 12" PVC @ S=0.005
- 12 CONNECT TO EX. SD CB. DIAMOND DRILL CONCRETE WALL AND SEAL WITH EPOXY SEALER.
- 13 INSTALL 9 LF 4" PERFORATED PVC @ S=0.005
- 14 INSTALL 15 LF 6" PERFORATED PVC @ S=0.005
- 15 INSTALL 36 LF 6" PERFORATED PVC @ S=0.005

STORM DRAIN SURVEYORS NOTES:

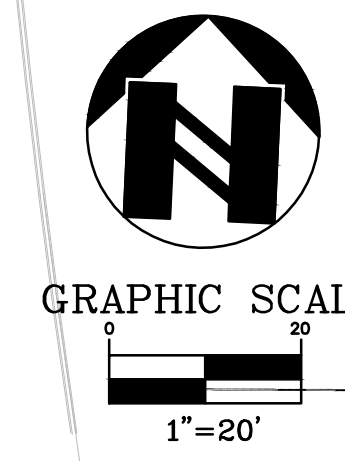
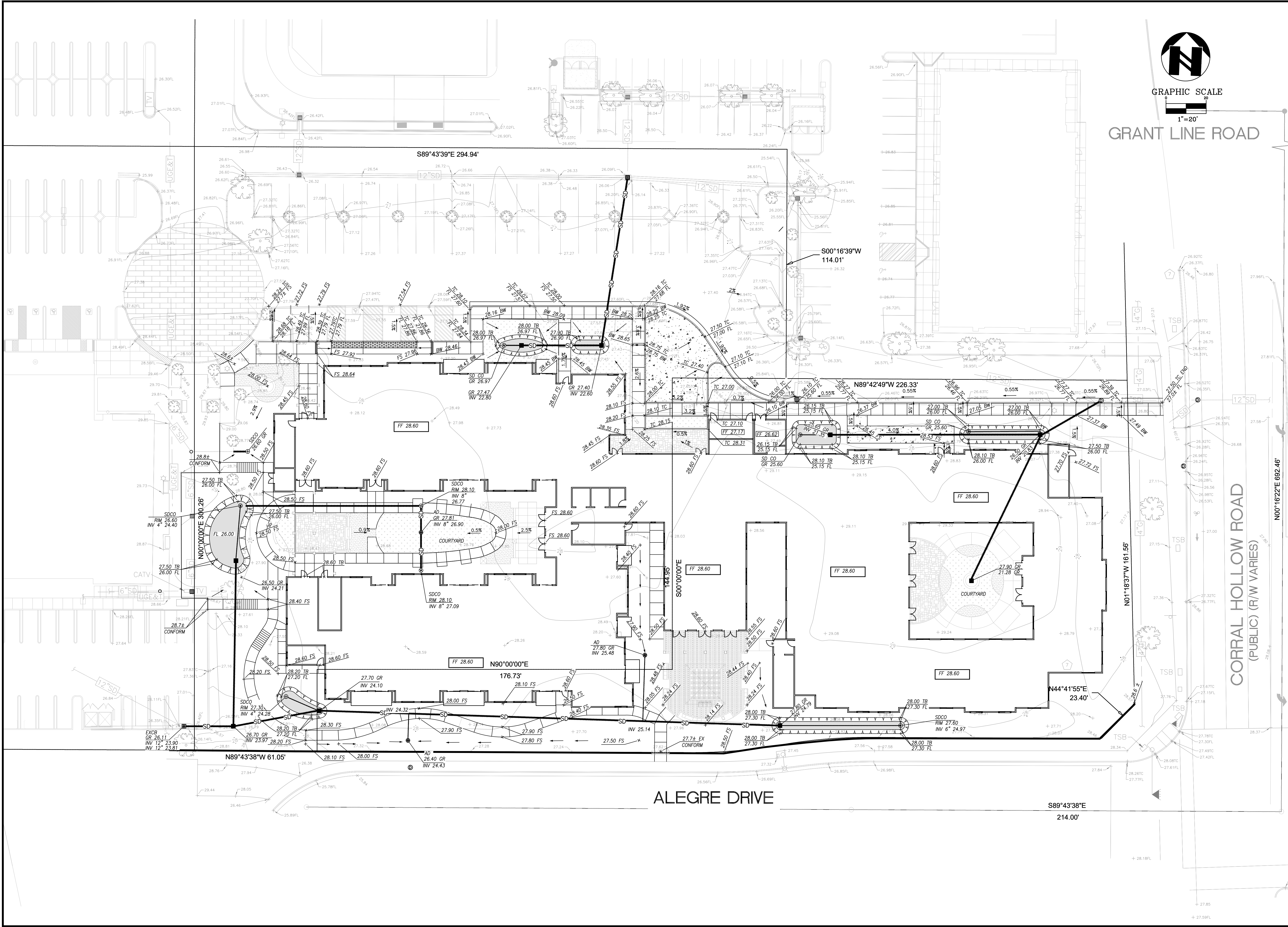
1. THE STORM DRAIN IMPROVEMENTS SHOWN ON THE AS-BUILT PLANS ON SHEET C-2.0 PER REFERENCE #2 TO THE EAST OF THE SUBJECT PROPERTY WERE NOT ABLE TO BE LOCATED DURING FIELD INSPECTION. NO EVIDENCE WAS FOUND TO CONFIRM THE EXISTENCE OF THE STORM DRAIN IMPROVEMENTS EXCEPT FOR A SMALL AREA DRAIN IN THE GRASS AREA AS SHOWN HEREON. ALL UNDERGROUND PIPES IN THIS AREA WERE NOT ABLE TO BE VERIFIED DURING FIELD INSPECTION.
2. SDCO SHOWN HERE IS PER AS BUILT PLANS PER REFERENCE #2. NOT FOUND DURING FIELD INSPECTION.
3. STORM DRAIN STUBS TO PARCEL 3 ARE SHOWN HEREON PER THE AS-BUILT PLANS PER REFERENCE #2. NOT ABLE TO BE VERIFIED DURING FIELD INSPECTION.

SEWER SURVEYORS NOTES:

1. THIS SSMH LOCATION IS PER AS BUILT PLANS, AND WAS NOT FOUND DURING FIELD INSPECTION.
2. THIS SSCO LOCATION IS PER AS-BUILT PLANS, AND WAS NOT FOUND DURING FIELD INSPECTION.



DESCRIPTION	DATE	BY	REV #
DATE: 8/20/2019	SCALE: 1"=20'	DESIGNED: AS	DRAWN: AS
CHECKED: AS	FILE PATH: Y:\19-2445 TRACY\TEST DATE DIRECTORY\05-06-19\2445 UTILITY.DWG		
PROJECT: 19-2445	UTILITY PLAN	TRACY ASSISTED LIVING AND MEMORY CARE	TRACY
SAN JOAQUIN COUNTY	CALIFORNIA	PLANNING	ENGINEERING
associates, inc.	ams	801 YGNACIO VALLEY ROAD SUITE 220 WALNUT CREEK, CA 94596 925-943-2777 FAX 925-943-2778	REGISTERED PROFESSIONAL ENGINEER No. 33145 Exp. 6-30-2020 CALIFORNIA

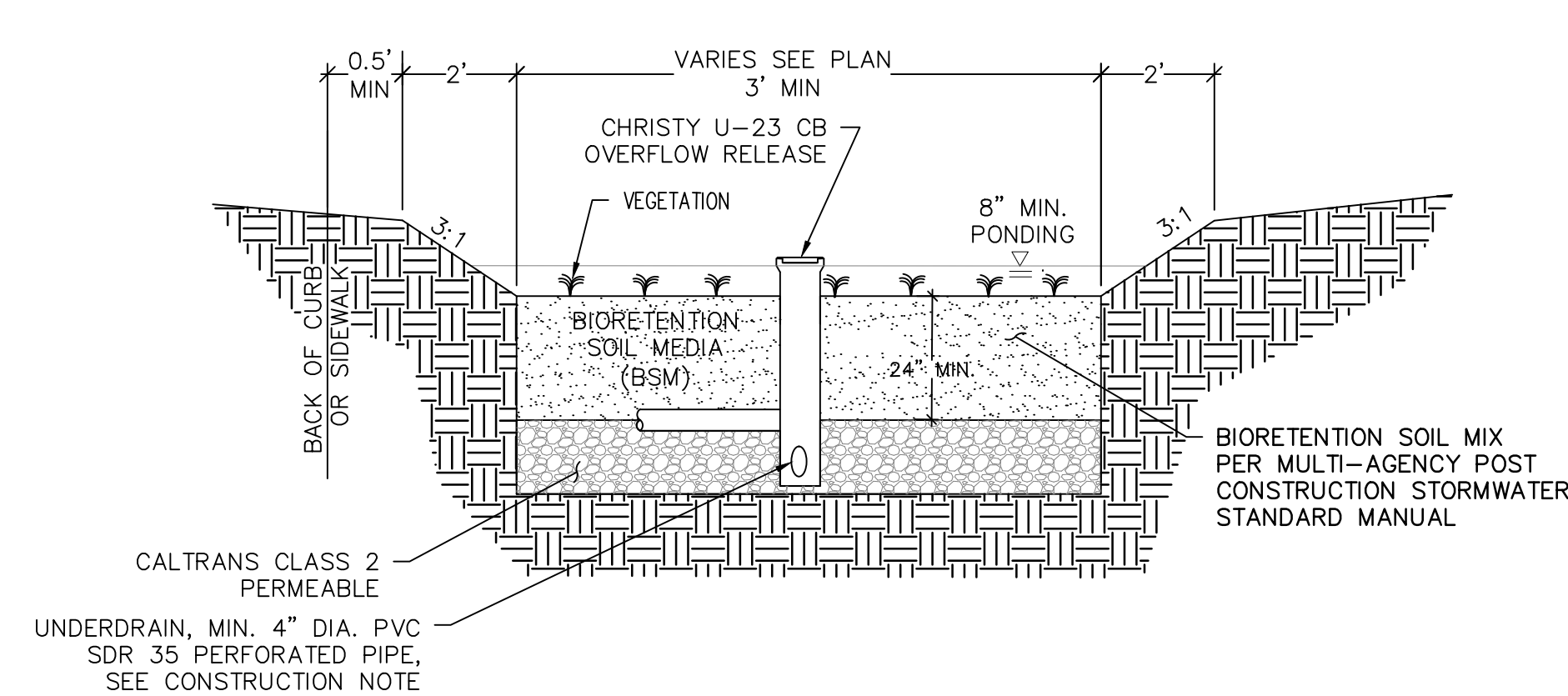


GRANT LINE ROAD

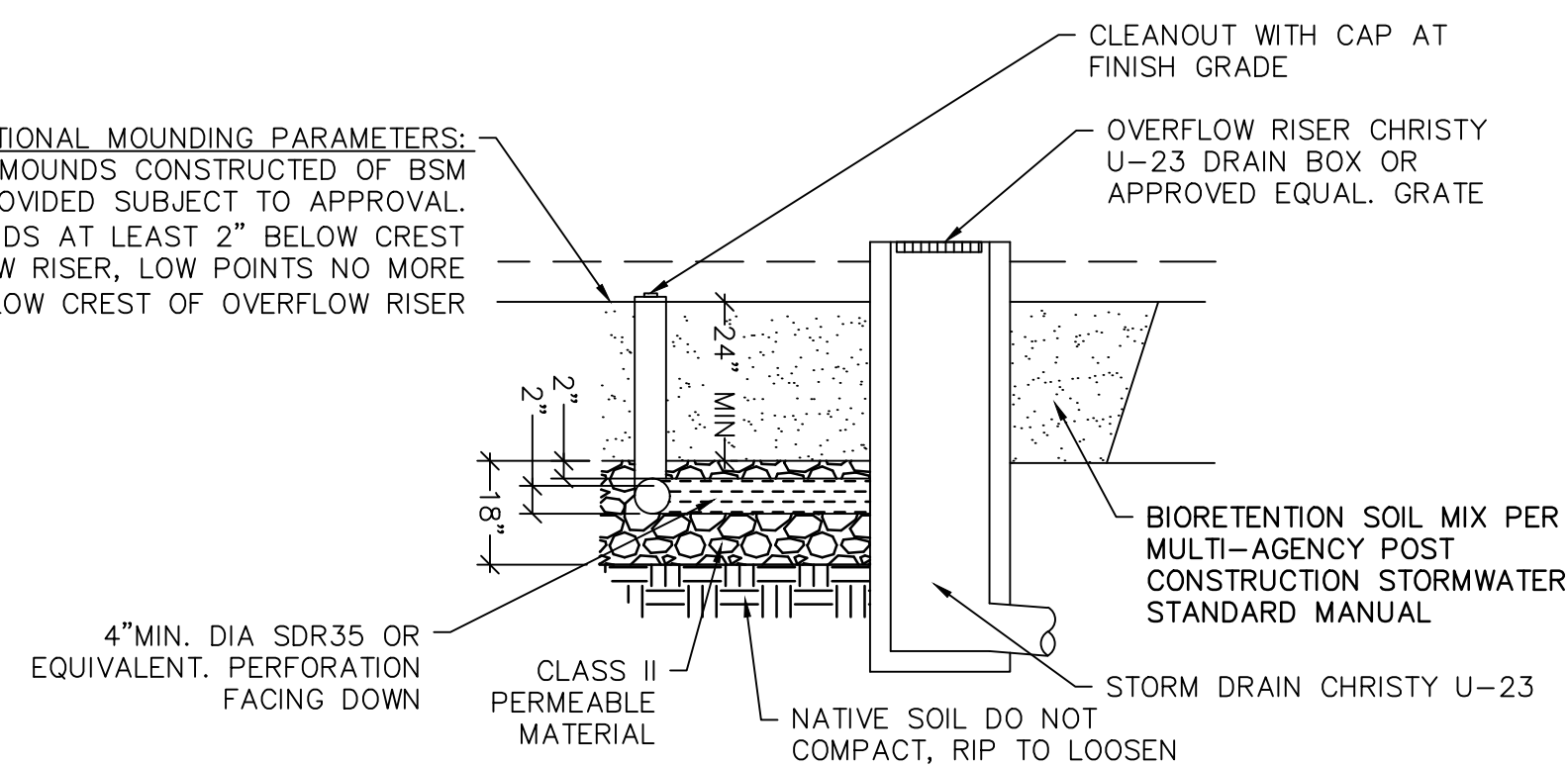
CORRAL HOLLOW ROAD
(PUBLIC) (R/W VARIES)

ALEGRE DRIVE

SHEET C-4.1		PROJECT		19-2445	
TRACY ASSISTED LIVING AND MEMORY CARE		TRACY		19-2445	
GRADING PLAN		SAN JOAQUIN COUNTY		CALIFORNIA	
ams		associates, inc.		PLANNING ENGINEERING SURVEYING	
801 YGNACIO VALLEY ROAD SUITE 220 WALNUT CREEK, CA 94596 925-943-2777 FAX 925-943-2778		REGISTERED PROFESSIONAL ENGINEER No. 65450 DATE 10/15/19		REGISTERED PROFESSIONAL LAND SURVEYOR No. 33147 DATE 10/15/19	
DATE: 8/19/2019	REV #	BY	DATE	DESCRIPTION	
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FILE PATH: Y:\19-2445 TRACY\DATE DIRECTORY\05-06-19\2445 GRADING.DWG	AS	AS	AS	MGR: AS	



OPTIONAL MOUNDING PARAMETERS:
PLANTING MOUNDS CONSTRUCTED OF BSM
MAY BE PROVIDED SUBJECT TO APPROVAL.
TOP OF MOUNDS AT LEAST 2" BELOW CREST
OF OVERFLOW RISER, LOW POINTS NO MORE
THAN 12" BELOW CREST OF OVERFLOW RISER



CONSTRUCTION NOTES

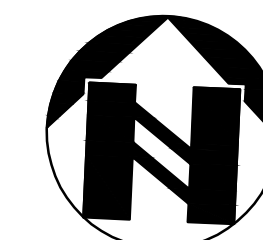
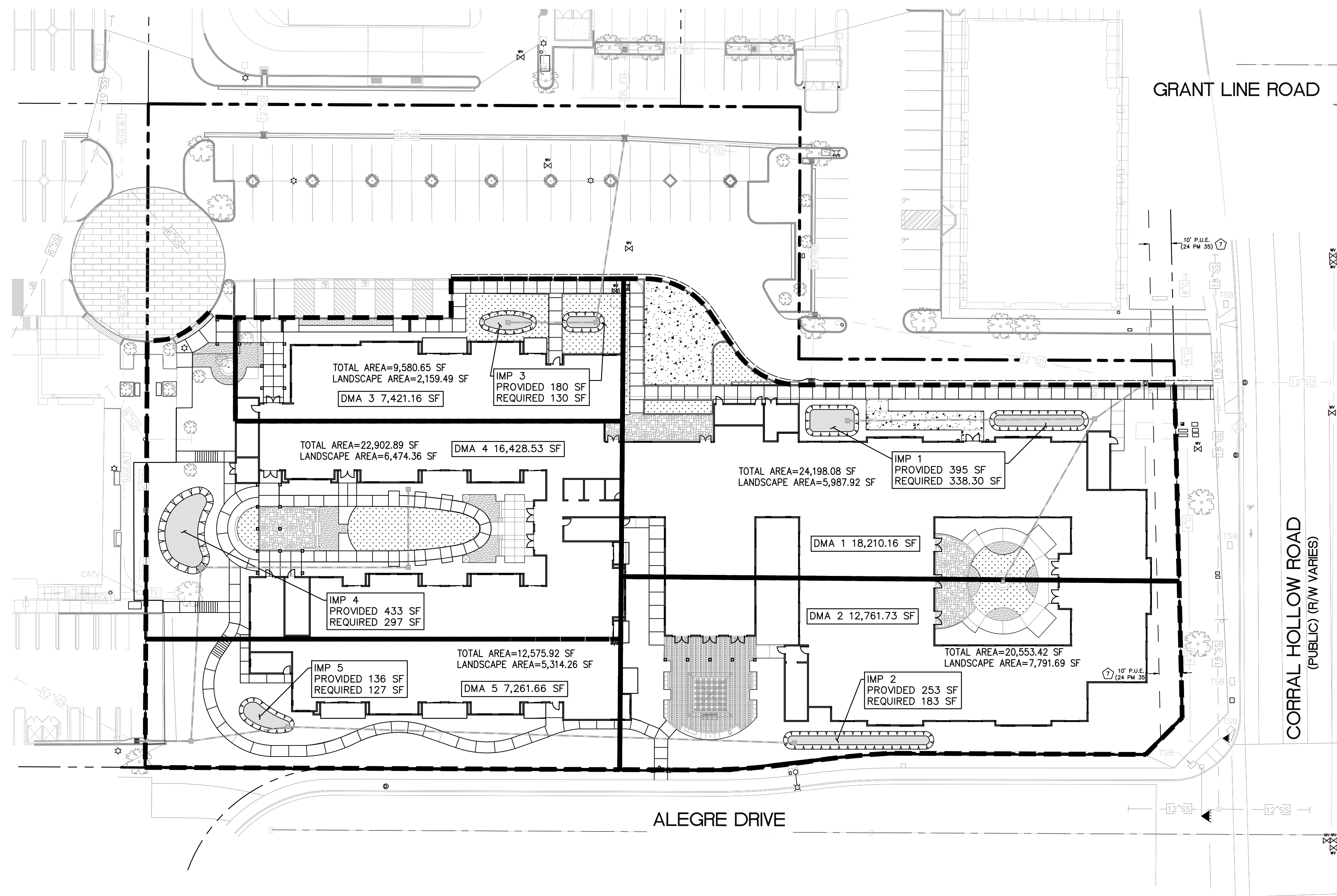
1. SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BSM.
2. FACILITY EXCAVATION TO ALLOW FOR SPECIFIED SOIL AND MULCH DEPTHS TO ACHIEVE FINISHED ELEVATIONS ON CIVIL PLANS.
3. INSTALL UNDERDRAIN WITH HOLES FACING DOWN. UNDERDRAIN DISCHARGE ELEVATION SHALL BE NEAR TOP OF AGGREGATE LAYER. UNDERDRAIN SLOPE 0.5% MIN. SLOPE.
4. DO NOT WORK WITHIN BIORETENTION AREA DURING RAIN OR UNDER WET CONDITIONS.
5. KEEP HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.
6. ALL MULCH IN BIORETENTION CELLS SHOULD BE 2-3 INCHES OF COMPOSTED, NON-FLOATABLE MATERIAL IN AREAS BETWEEN PLANTINGS.

NOTES

1. NO LINER, NO FILTER FABRIC, NO LANDSCAPE CLOTH BETWEEN BSM AND AGGREGATE.
2. MAINTAIN BGL, TGL, TSL THROUGHOUT FACILITY AREA AT ELEVATIONS TO BE SPECIFIED IN PLAN.
3. CLASS 2 PERMEABLE MATERIAL LAYER MAY EXTEND BELOW AND UNDERNEATH INLET.
4. ELEVATION OF UNDERDRAIN DISCHARGE IS AT TOP OF GRAVEL LAYER.

1 BIORETENTION FACILITY

NOT TO SCALE



GRAPHIC SCALE
1"=30'

SHEET
C-5.1

PROJECT
19-2445

STORMWATER CONTROL PLAN
TRACY ASSISTED LIVING AND MEMORY CARE

TRACY

SAN JOAQUIN COUNTY

CALIFORNIA

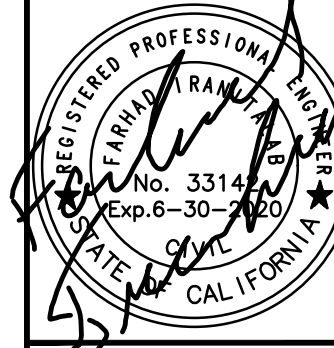
ams
associates, inc.

PLANNING

ENGINEERING

SURVEYING

801 YGNACIO VALLEY ROAD
SUITE 220
WALNUT CREEK, CA 94596
925-943-2777 FAX 925-943-2778

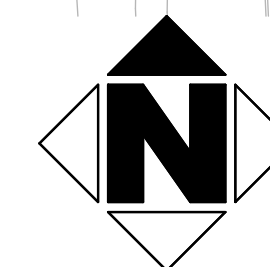
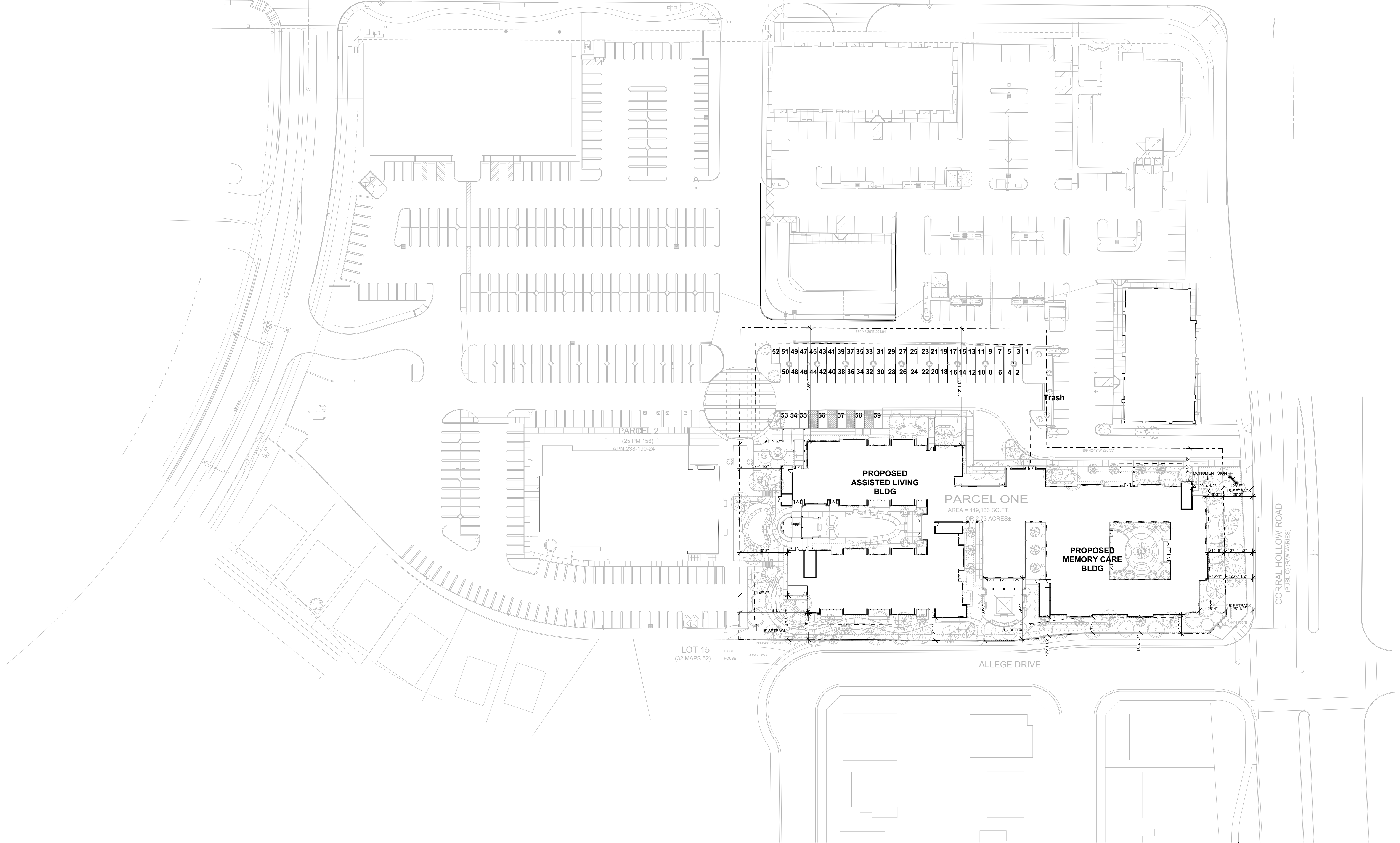


DATE:	8/19/2019	REV #	BY	DATE	DESCRIPTION
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DRAWN:	FG	△			
CHECKED:	AS	△			
APPROVED:	AS	△			
FILE PATH:	Y:\19-2445 TRACY\TEST DATE DIRECTORY\05-06-19\2445 SW.DWG				

Project Stormwater Plan			Project Stormwater Plan			Project Stormwater Plan		
Drainage Management Area Worksheet			Site Design Measure Worksheet			Stormwater Treatment and Baseline Hydromodification Control Measure Design Worksheet		
Drainage Management Area (DMA) # <u>2</u>			Drainage Management Area (DMA) # <u>2</u>			For each drainage management area (DMA), in which proposed site design measures did not fully manage the difference in pre- and post-project stormwater runoff volume, complete the worksheet.		
Type of DMA:			For this DMA, identify the following information:			Drainage Management Area (DMA) # <u>2</u> Design bioretention facility to manage the adjusted stormwater design volume (SDV _{adj}). Calculate the bottom surface area of a bioretention facility.		
☐ Self-retaining area ☐ Self-retaining area			☐ Yes, stormwater management requirement met for this DMA. ☒ No, proceed to Stormwater Treatment and Baseline Hydromodification Measure Worksheet.			Stormwater Design Volume for the DMA (SDV _{DM}) (ft ³) <u>287.14</u> See Drainage Management Area Worksheet Total stormwater runoff credit volume (SDM _{tot}) (ft ³) <u>0</u> See Site Design Measures Worksheet Adjusted Stormwater Design Volume (SDV _{adj}) (ft ³) = SDV _{DM} - SDM _{tot} <u>287.14</u> Design infiltration ratio of underlying soils (I _{adj}) (in/hr) <u>0.67</u> Rooting zone depth (Z _{adj}) (ft) (0.5-1 ft) <u>2</u> Planting media layer depth (D _{adj}) (ft) (min 1.5 ft) <u>0.25</u> Planting media porosity (P _{adj}) <u>1</u> Gravel layer depth (G _{adj}) (ft) (min 1 ft) <u>0.4</u> Gravel layer porosity (P _g) <u>0.4</u> Bottom surface area of a bioretention facility (A _{adj}) (ft ²) = $\frac{SDV_{adj}}{I_{adj} \times Z_{adj} \times P_{adj} \times D_{adj} \times P_g}$ <u>182.89</u> ft ² Verify that $A_{adj} \geq \frac{SDV_{adj}}{I_{adj} \times Z_{adj} \times P_{adj} \times D_{adj} \times P_g} = 182.89 \text{ ft}^2 \geq 182.89 \text{ ft}^2$. If not, redesign facilities above. Verify that the DMA has adequate space to implement bioretention facility sized above. If not, redesign facilities above or provide additional stormwater treatment control measures to mitigate remaining portion of the SDV.		
Describe the DMA			Stormwater Design Volume without credits (H ³) = SDV <u>406.60</u> Stormwater Design Volume with credits (H ³) = SDV _{adj} + SDV - SDM _{tot} <u>389.60</u> (This volume must be treated by stormwater treatment control measures.)			Stormwater Design Volume for the DMA (SDV _{DM}) (ft ³) <u>287.14</u> ft ³ Total stormwater runoff credit volume (SDM _{tot}) (ft ³) <u>0</u> See Site Design Measures Worksheet Adjusted Stormwater Design Volume (SDV _{adj}) (ft ³) = SDV _{DM} - SDM _{tot} <u>287.14</u> ft ³ Design infiltration ratio of underlying soils (I _{adj}) (in/hr) <u>0.67</u> Rooting zone depth (Z _{adj}) (ft) (0.5-1 ft) <u>2</u> Planting media layer depth (D _{adj}) (ft) (min 1.5 ft) <u>0.25</u> Planting media porosity (P _{adj}) <u>1</u> Gravel layer depth (G _{adj}) (ft) (min 1 ft) <u>0.4</u> Gravel layer porosity (P _g) <u>0.4</u> Bottom surface area of a bioretention facility (A _{adj}) (ft ²) = $\frac{SDV_{adj}}{I_{adj} \times Z_{adj} \times P_{adj} \times D_{adj} \times P_g}$ <u>182.89</u> ft ² Verify that $A_{adj} \geq \frac{SDV_{adj}}{I_{adj} \times Z_{adj} \times P_{adj} \times D_{adj} \times P_g} = 182.89 \text{ ft}^2 \geq 182.89 \text{ ft}^2$. If not, redesign facilities above. Verify that the DMA has adequate space to implement bioretention facility sized above. If not, redesign facilities above or provide additional stormwater treatment control measures to mitigate remaining portion of the SDV.		
Existing Impervious Area (H ²) <u>20,553.42</u> Total Drainage Area (H ²) <u>0</u> Soil Type <u>C</u> Post-Project Impervious Area (H ²) <u>11,139.22</u> Infiltration Rate (in/hr) <u>0.2</u> in/hr Mean Annual Runoff-Producing Rainfall Depth (P _a) (in) <u>0.33</u> Drawdown time (t _{draw}) (hr) (48) <u>48</u> Regression constant (a) (1.963 for 48-hr drawdown) <u>1.963</u>			Proposed Site Design Measure ☐ Stream setbacks and buffers ☐ Soil quality improvement and maintenance ☐ Tree planting and preservation ☐ Rooftop and impervious area disconnection ☐ Porous pavement ☐ Vegetated swales ☐ Rain barrels/cisterns			Stormwater Runoff Volume Credit (H ³) ☐ Stream setbacks and buffers ☐ Soil quality improvement and maintenance ☐ Tree planting and preservation ☐ Rooftop and impervious area disconnection ☐ Porous pavement ☐ Vegetated swales ☐ Rain barrels/cisterns		
Pre-Project Condition:			Total Stormwater Runoff Volume Credit (SDM _{tot})			Verify that the DMA has adequate space to implement bioretention facility sized above. If not, redesign facilities above or provide additional stormwater treatment control measures to mitigate remaining portion of the SDV.		
Imperviousness ratio (i) = Existing Impervious Area ÷ Total Drainage Area (decimal) <u>0</u> Stormwater runoff coefficient (C) = $0.858 \times i^2 - 0.78 \times i^2 + 0.774 \times i + 0.04$ <u>0</u> Unit stormwater volume (P _a) (in) = a × C × P _a <u>0</u> Stormwater Runoff Volume for the DMA (H ³) <u>0</u>			For site design measures not implemented for this DMA, describe why they are not selected.			Describe and provide justification for any variations to the Stormwater Facility for site specific conditions. See Section 0.2 of the 2015 Post Construction Stormwater Management Manual for more information.		
Post-Project Condition:								
Imperviousness ratio (i) = Post-Project Impervious Area ÷ Total Drainage Area (decimal) <u>0.62</u> Stormwater runoff coefficient (C) = $0.858 \times i^2 - 0.78 \times i^2 + 0.774 \times i + 0.04$ <u>0.42</u> Unit stormwater volume (P _a) (in) = a × C × P _a <u>0.27</u> in Stormwater Design Volume for the DMA (SDV) (H ³) = A × P _a × 12 <u>287.14</u> ft ³								

[illegible]

Project Stormwater Plan			Project Stormwater Plan			Project Stormwater Plan		
Drainage Management Area Worksheet			Site Design Measure Worksheet			Stormwater Treatment and Baseline Hydromodification Control Measure Design Worksheet		
Drainage Management Area (DMA) #	5		Drainage Management Area (DMA) #	5		Drainage Management Area (DMA) #	5	
Type of DMA:			For this DMA, identify the following information:			For each drainage management area (DMA), in which proposed site design measures did not fully manage the difference in pre- and post-project stormwater runoff volume, complete this worksheet:		
☐ Self-treating area ☐ Self-retaining area ☒ Areas draining to self-retaining areas ☒ Areas draining to bioretention facility			Stormwater Treatment Volume without credits (T^0) = SDV Stormwater Treatment Volume with credits (T^0) = SDV _{adj} = SDV - SDM_{site} (This volume must be treated by stormwater treatment control measures.) ☐ Do proposed site design measures completely manage the SDV for this DMA? ☐ Yes, stormwater management requirement met for this DMA. ☐ No, proceed to Stormwater Treatment and Baseline Hydromodification Measure Worksheet.			Stormwater Treatment Volume without credits (T^0) = SDV 199.70 Ft ³		
Describe the DMA			Proposed Site Design Measure			Stormwater Runoff Volume Credit (SDM_{site})		
Total Drainage Area (T^0)			Existing Impervious Area (T^0)			Total Stormwater Runoff Credit Volume (SDM_{site}) (ft ³)		
12,575.92			0			199.70		
Existing Impervious Area (T^0)			Post-Project Impervious Area (T^0)			Site Design Measure Worksheet		
0			7,261.66			Total Stormwater Runoff Credit Volume (SDM_{site}) (ft ³)		
Infiltration Rate (in/hr)			Infiltration Rate (in/hr)			Site Design Measure Worksheet		
0.33			0.2			Total Stormwater Runoff Credit Volume (SDM_{site}) (ft ³)		
Mean Annual Runoff Producing Rainfall Depth (P_2) (in)			Drawdown time (t_{draw}) (hr) (48)			Total Stormwater Runoff Credit Volume (SDM_{site}) (ft ³)		
0.48			0.33			Total Stormwater Runoff Credit Volume (SDM_{site}) (ft ³)		
Regression constant (a) (1.963 for 48-hr drawdown)			Regression constant (a) (1.963 for 48-hr drawdown)			Total Stormwater Runoff Credit Volume (SDM_{site}) (ft ³)		
1.963			1.963			Total Stormwater Runoff Credit Volume (SDM_{site}) (ft ³)		
Pre-Project Condition:			Pre-Project Condition:			Pre-Project Condition:		
Imperviousness ratio (i) = Existing Impervious Area / Total Drainage Area (decimal)			Imperviousness ratio (i) = Existing Impervious Area / Total Drainage Area (decimal)			Imperviousness ratio (i) = Existing Impervious Area / Total Drainage Area (decimal)		
0			0			0		
Stormwater runoff coefficient (C) = $0.858 \times i^2 - 0.78 \times i + 0.774 \times 1 + 0.04$			Stormwater runoff coefficient (C) = $0.858 \times i^2 - 0.78 \times i + 0.774 \times 1 + 0.04$			Stormwater runoff coefficient (C) = $0.858 \times i^2 - 0.78 \times i + 0.774 \times 1 + 0.04$		
0			0			0		
Unit stormwater volume (P_2) (in) = $a \times C \times P_2$			Unit stormwater volume (P_2) (in) = $a \times C \times P_2$			Unit stormwater volume (P_2) (in) = $a \times C \times P_2$		
0			0			0		
Stormwater Runoff Volume for the DMA (T^0)			Stormwater Runoff Volume for the DMA (T^0)			Stormwater Runoff Volume for the DMA (T^0)		
0			0			0		
Post-Project Condition:			Post-Project Condition:			Post-Project Condition:		
Imperviousness ratio (i) = Post-Project Impervious Area / Total Drainage Area (decimal)			Imperviousness ratio (i) = Post-Project Impervious Area / Total Drainage Area (decimal)			Imperviousness ratio (i) = Post-Project Impervious Area / Total Drainage Area (decimal)		
0.58			0.58			0.58		
Stormwater runoff coefficient (C) = $0.858 \times i^2 - 0.78 \times i + 0.774 \times 1 + 0.04$			Stormwater runoff coefficient (C) = $0.858 \times i^2 - 0.78 \times i + 0.774 \times 1 + 0.04$			Stormwater runoff coefficient (C) = $0.858 \times i^2 - 0.78 \times i + 0.774 \times 1 + 0.04$		
0.40			0.40			0.40		
Unit stormwater volume (P_2) (in) = $a \times C \times P_2$			Unit stormwater volume (P_2) (in) = $a \times C \times P_2$			Unit stormwater volume (P_2) (in) = $a \times C \times P_2$		
0.26			0.26			0.26		
Stormwater Design Volume for the DMA (SDV) (ft ³) = $A \times P_2 \times 12$			Stormwater Design Volume for the DMA (SDV) (ft ³) = $A \times P_2 \times 12$			Stormwater Design Volume for the DMA (SDV) (ft ³) = $A \times P_2 \times 12$		
199.70 Ft ³			199.70 Ft ³			199.70 Ft ³		



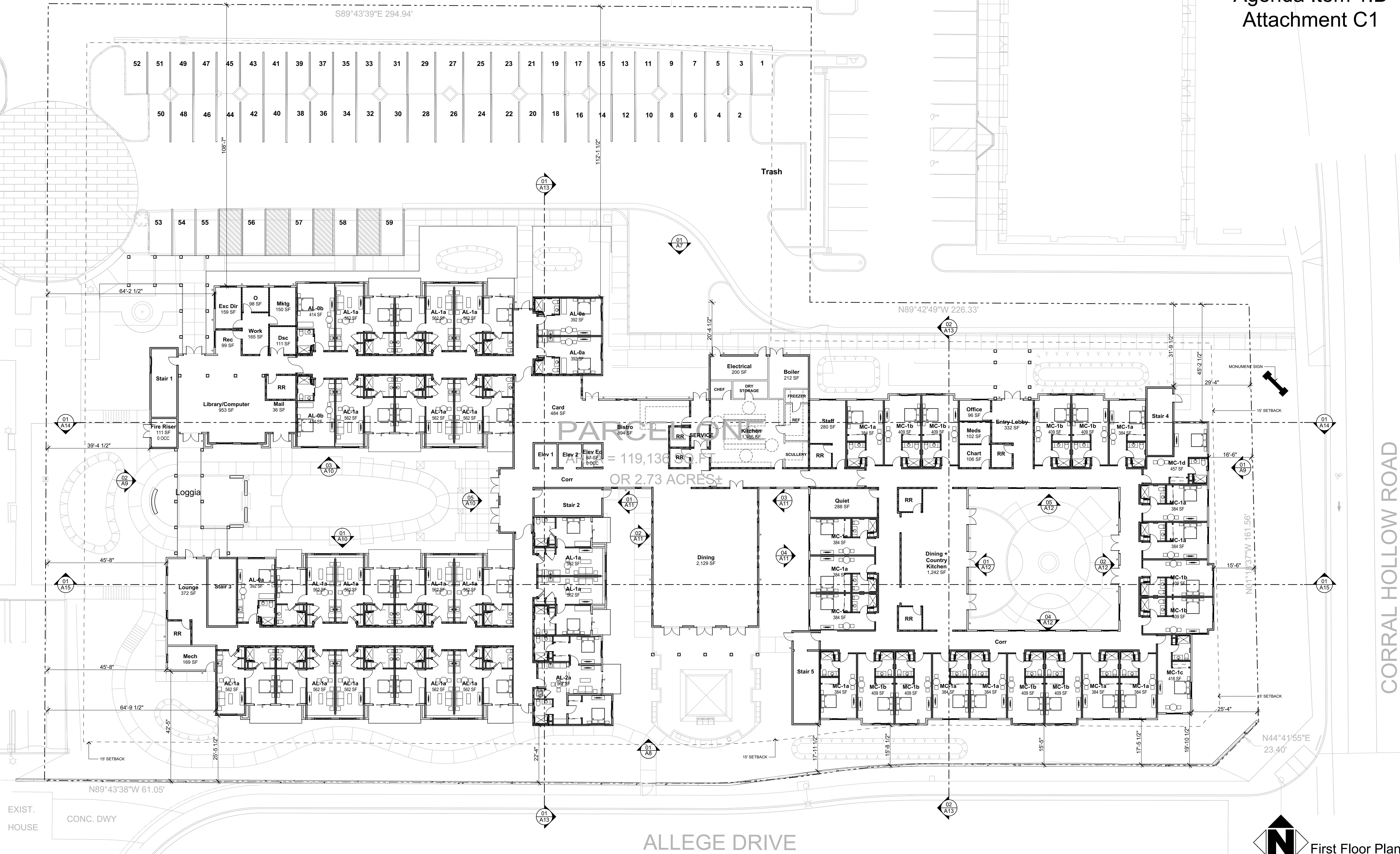
Overall Site Plan
SCALE: 1" = 40'

SCALE: 1" = 20'



PROJECT NO: 19000
PLOT DATE: 8/20/2019
19000 Tracy SD.pln

245 Fischer Avenue, Suite B-2 Costa Mesa CA 92626
(714) 557 2448 www.ipaoc.com
ARCHITECTURE PLANNING CONSULTING



EXIST. HOUSE
CONC. DWY



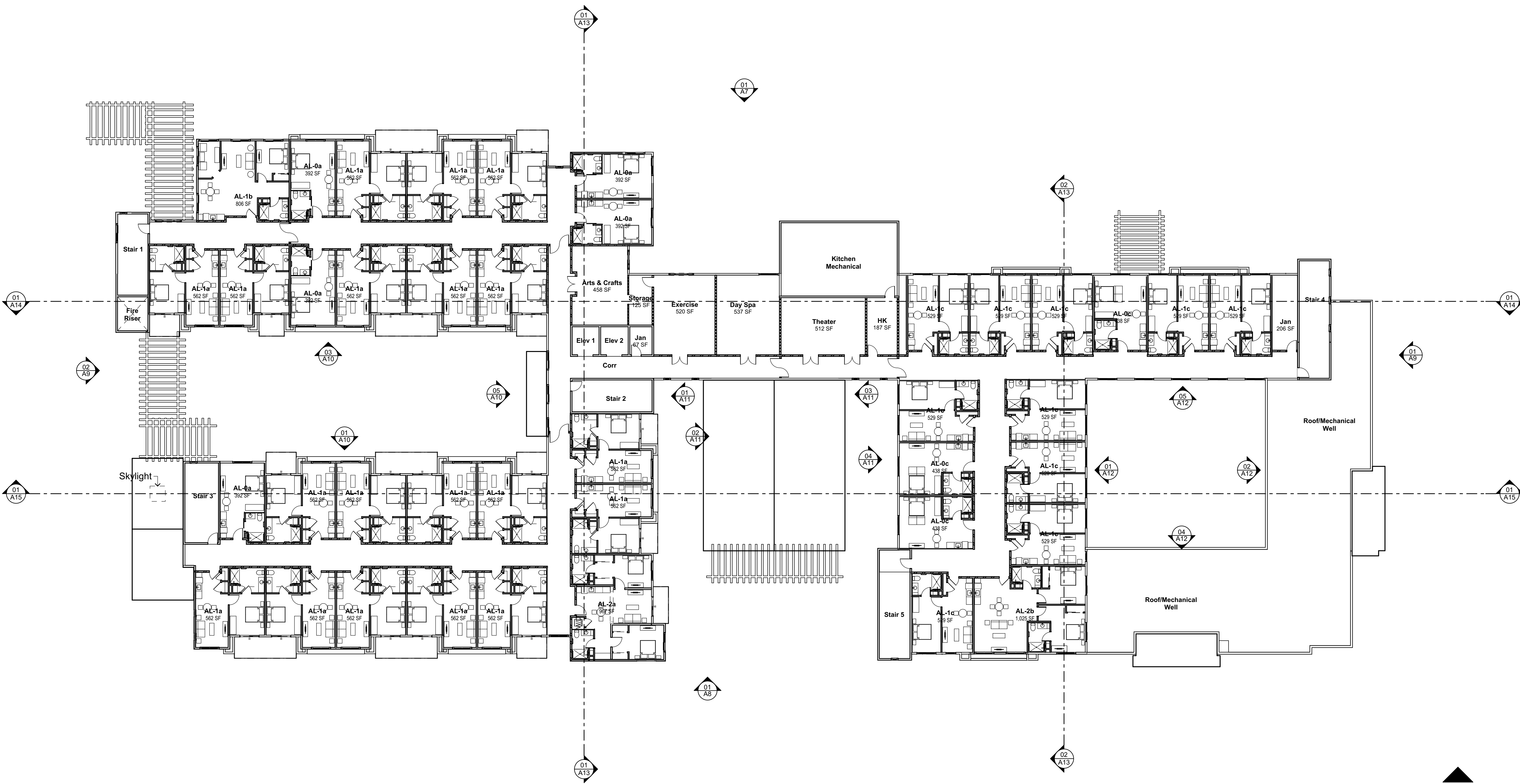
245 Fischer Avenue, Suite B-2 Costa Mesa CA 92626
(714) 557 2448 www.ipaac.com
ARCHITECTURE PLANNING CONSULTING

Tracy Assisted Living and Memory Care
Summit Senior Living, LLC
Corral Hollow Rd & Alegre Dr Tracy CA 95376

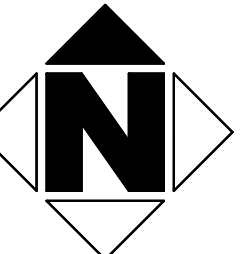
First Floor Plan
SCALE: 1/16" = 1'-0"

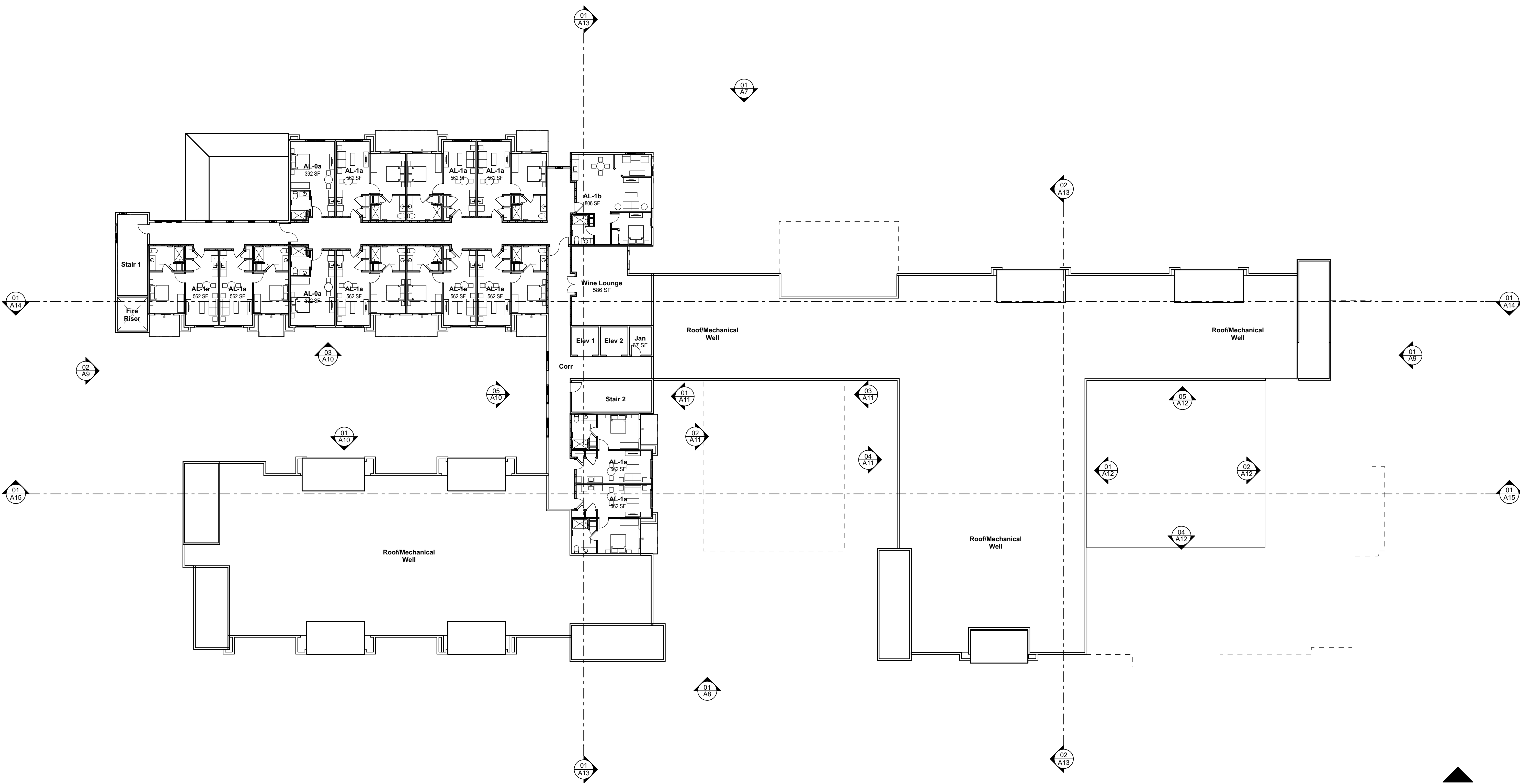
FIRST FLOOR PLAN
A3

PROJECT NO: 19000
PLOT DATE: 8/20/2019
19000 Tracy SD.pln

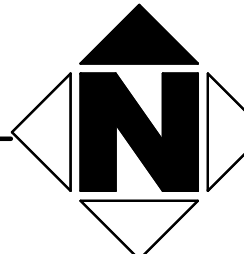


01 Second Floor Plan
SCALE: 1/16" = 1'-0"

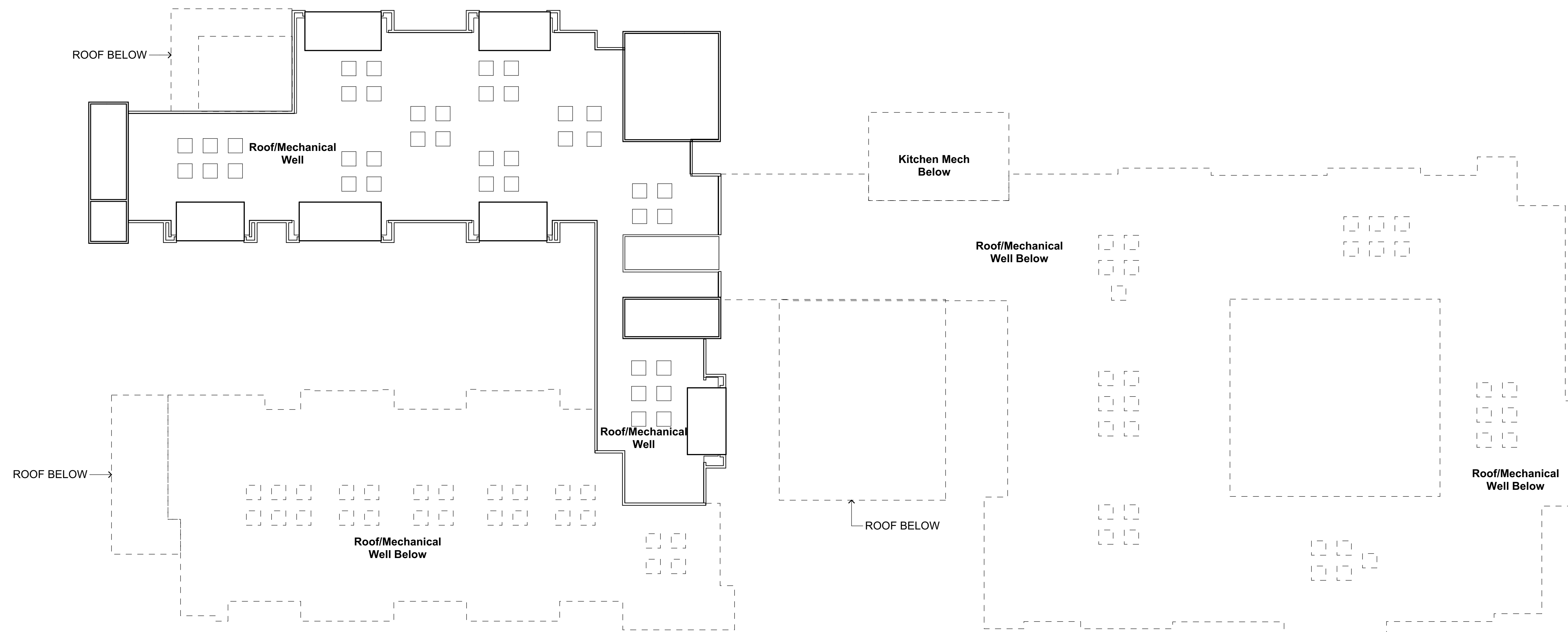




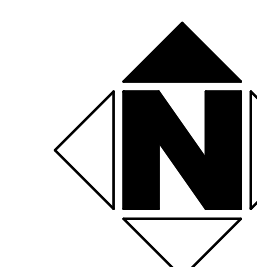
01 Third Floor Plan
SCALE: 1/16" = 1'-0"

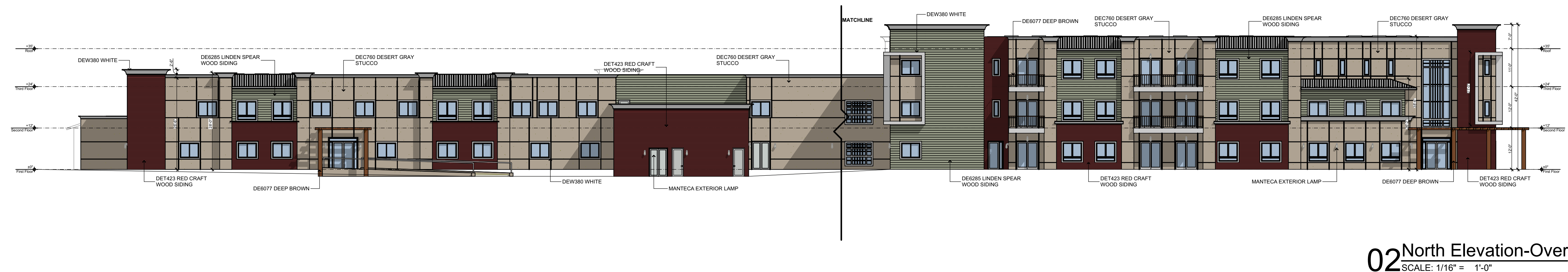
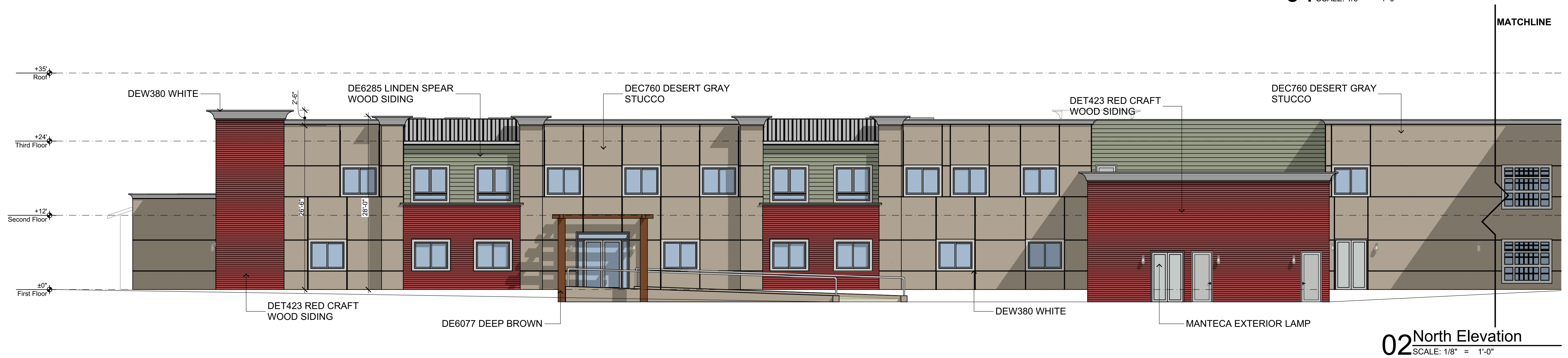


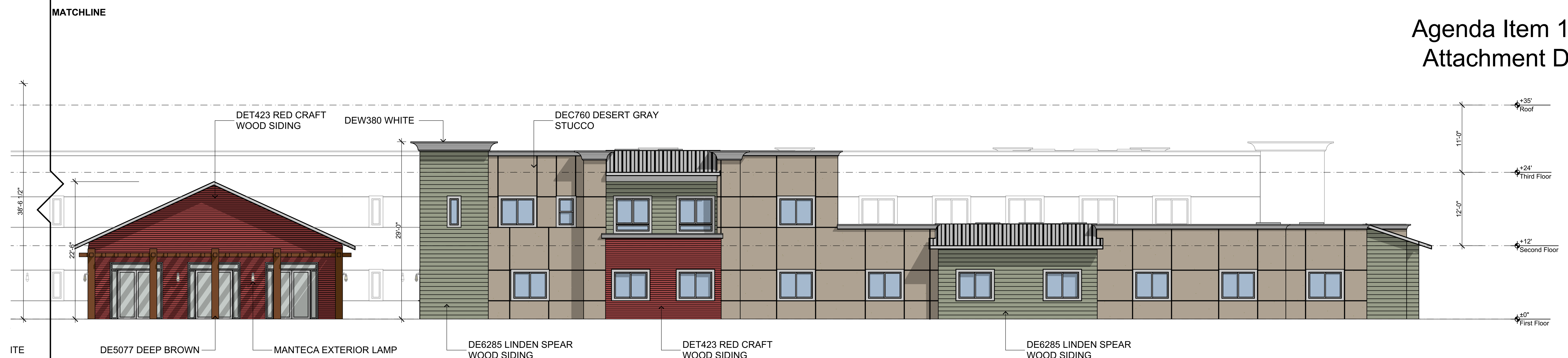
NOTE:
MECHANICAL EQUIPMENT TO BE PLACED IN ROOF WELL AND
SCREENED BY ROOF. PRELIMINARY DESIGN FOR CONCEPTUAL
PURPOSES; SUBJECT TO CHANGE THROUGH DEVELOPMENT.



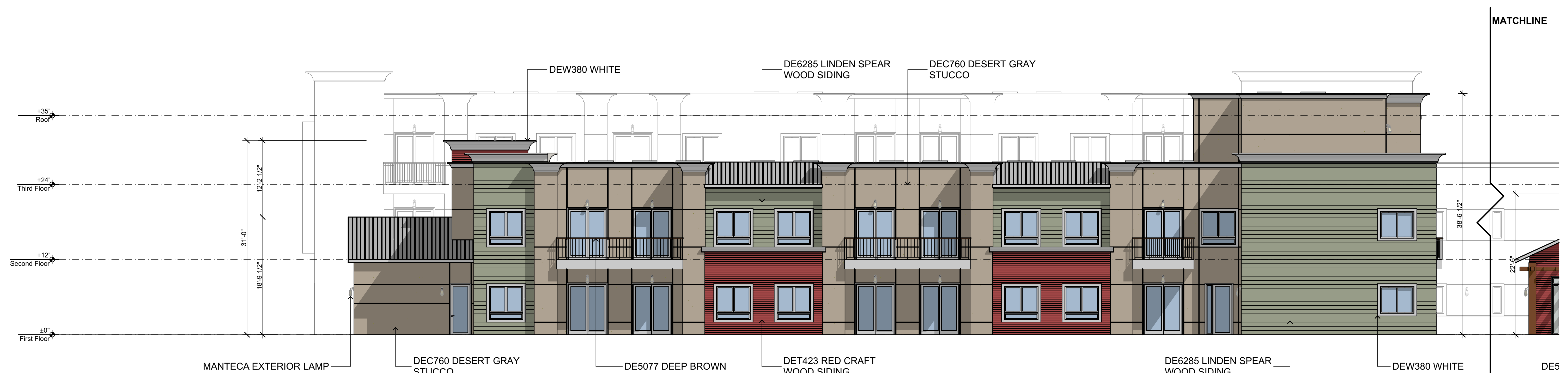
01 Roof Plan
SCALE: 1/16" = 1'-0"



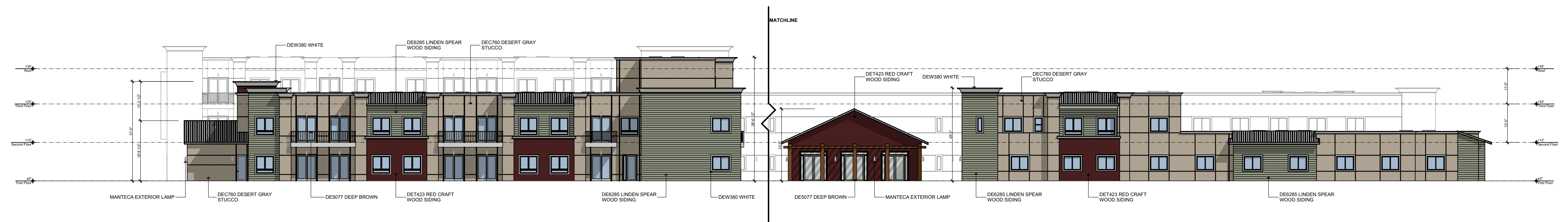




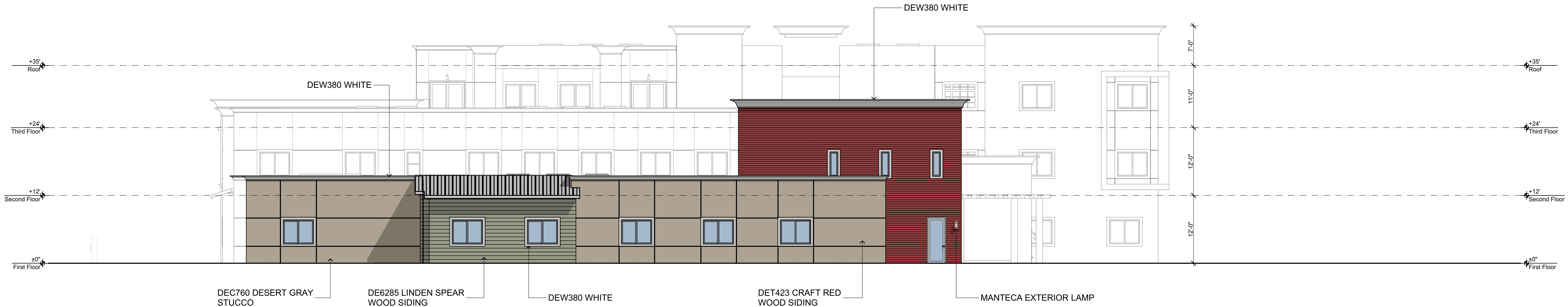
01 South Elevation
SCALE: 1/8" = 1'-0"



02 South Elevation
SCALE: 1/8" = 1'-0"



03 South Elevation-Overall
SCALE: 1/16" = 1'-0"



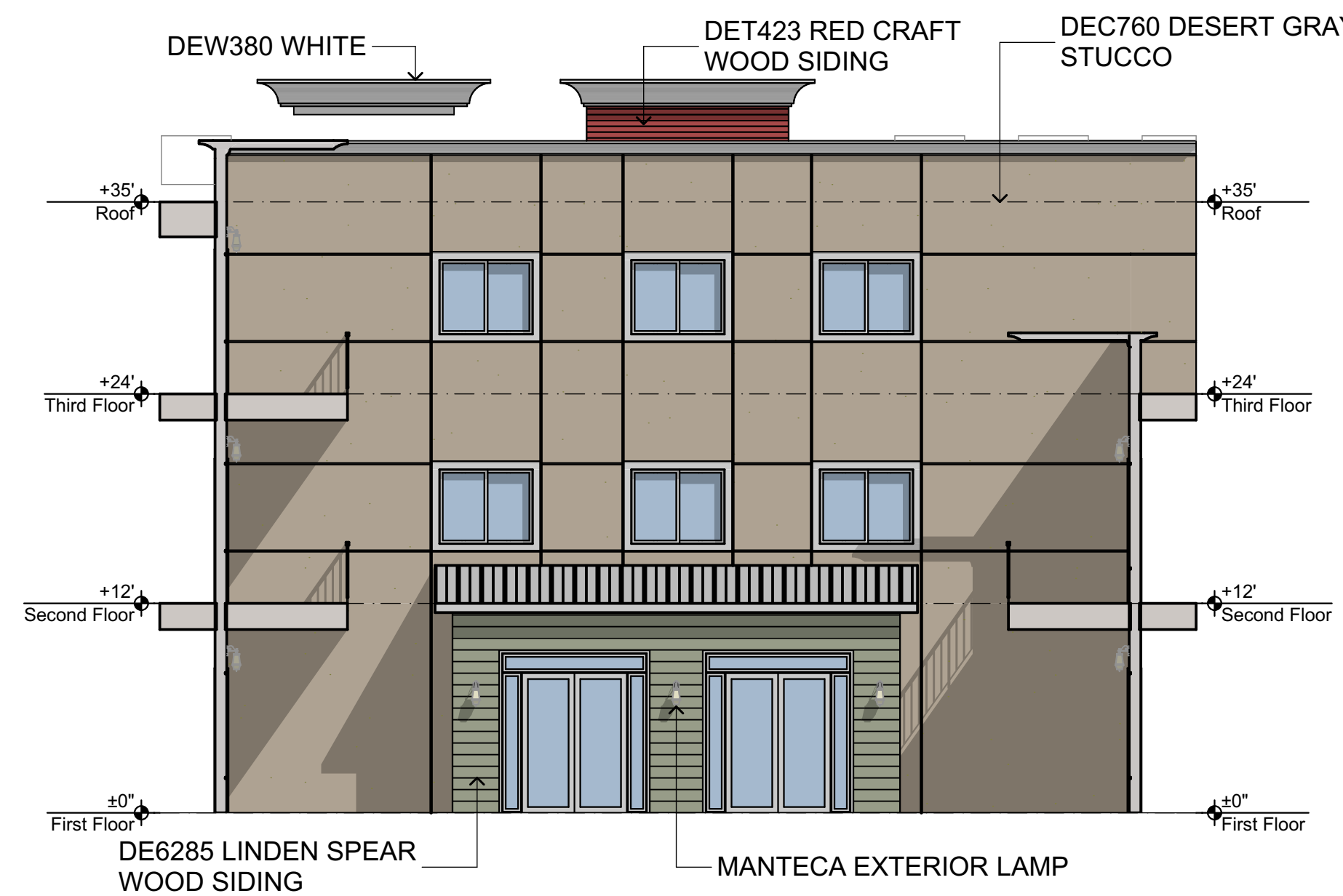
01 East Elevation
SCALE: 1/8" = 1'-0"



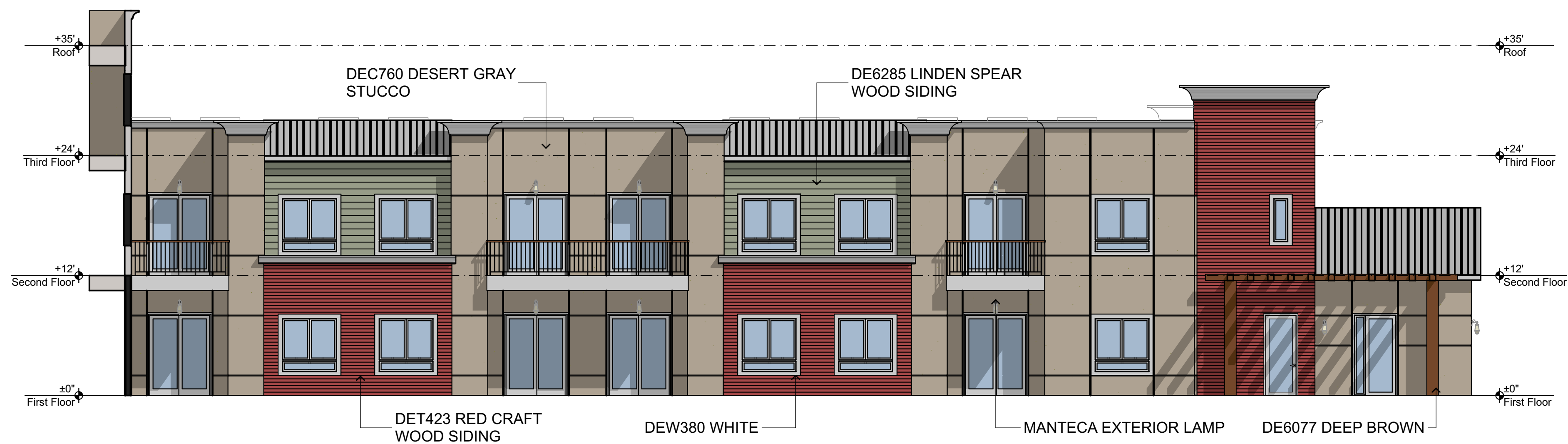
02 West Elevation
SCALE: 1/8" = 1'-0"



03 AL Courtyard A
SCALE: 1/8" = 1'-0"



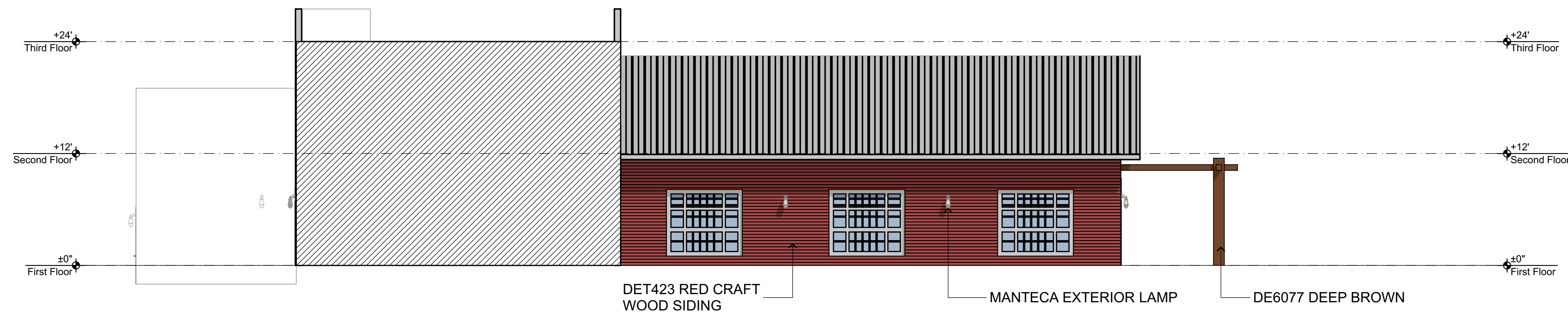
05 AL Courtyard B
SCALE: 1/8" = 1'-0"



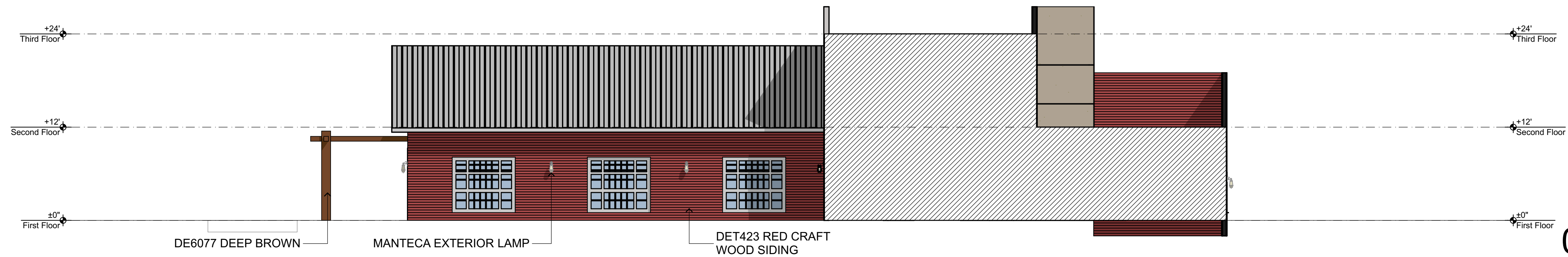
01 AL Courtyard C
SCALE: 1/8" = 1'-0"



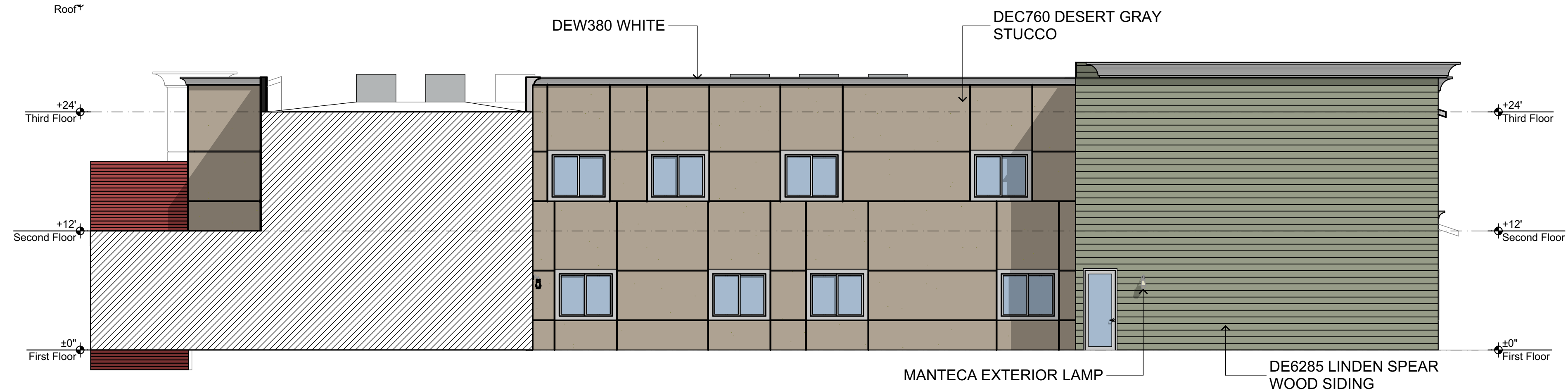
01 Common Area A
SCALE: 1/8" = 1'-0"



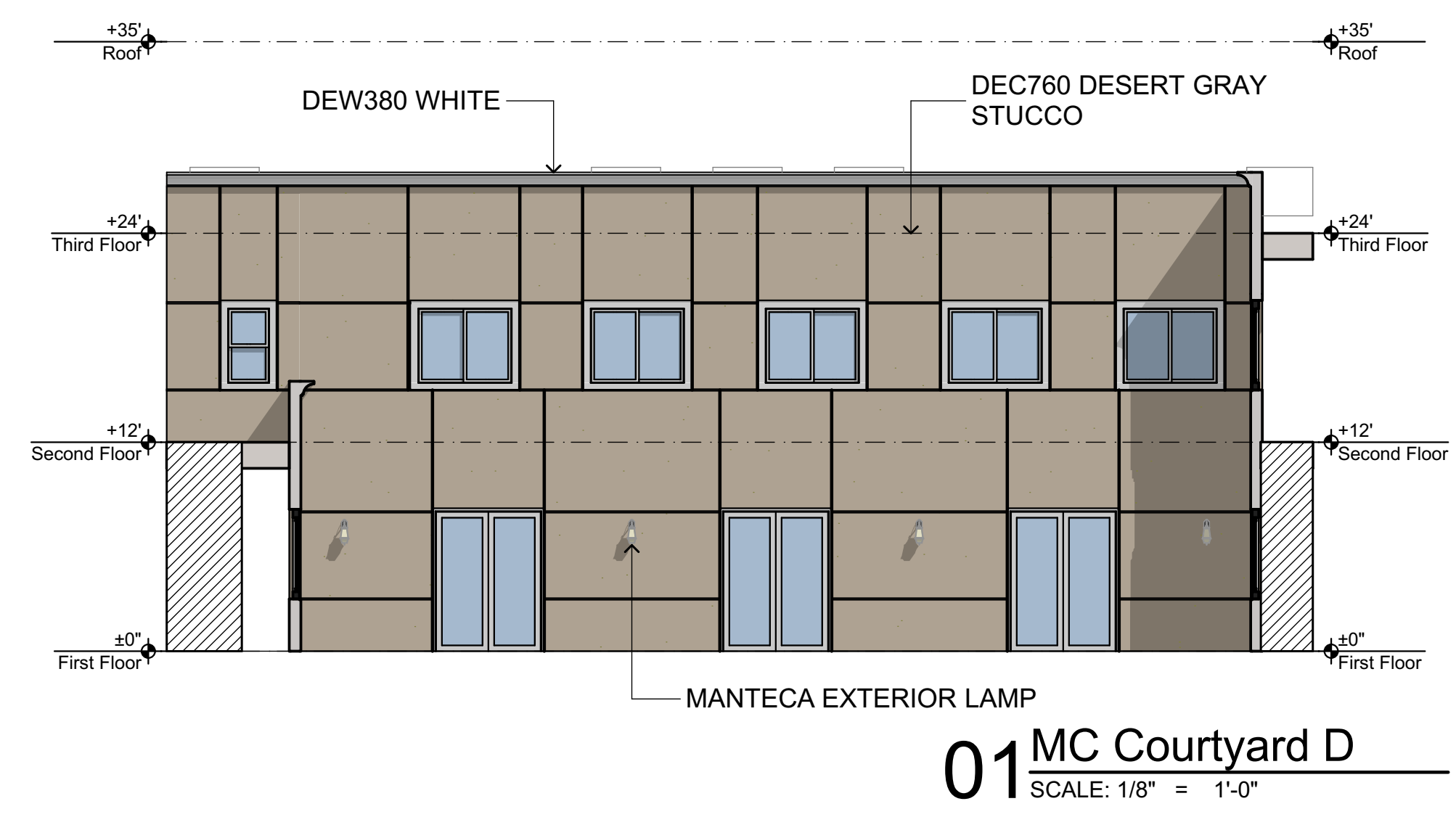
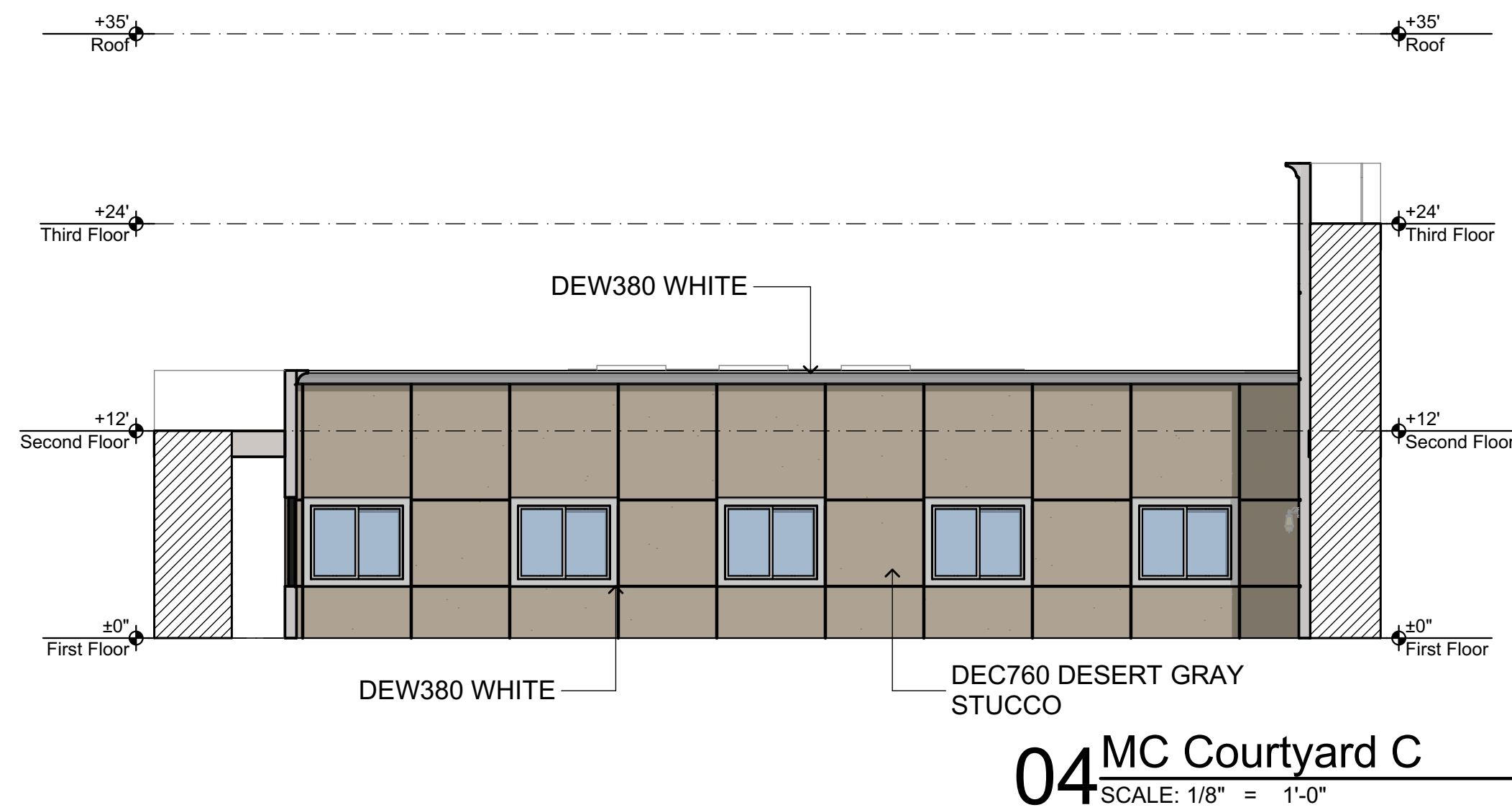
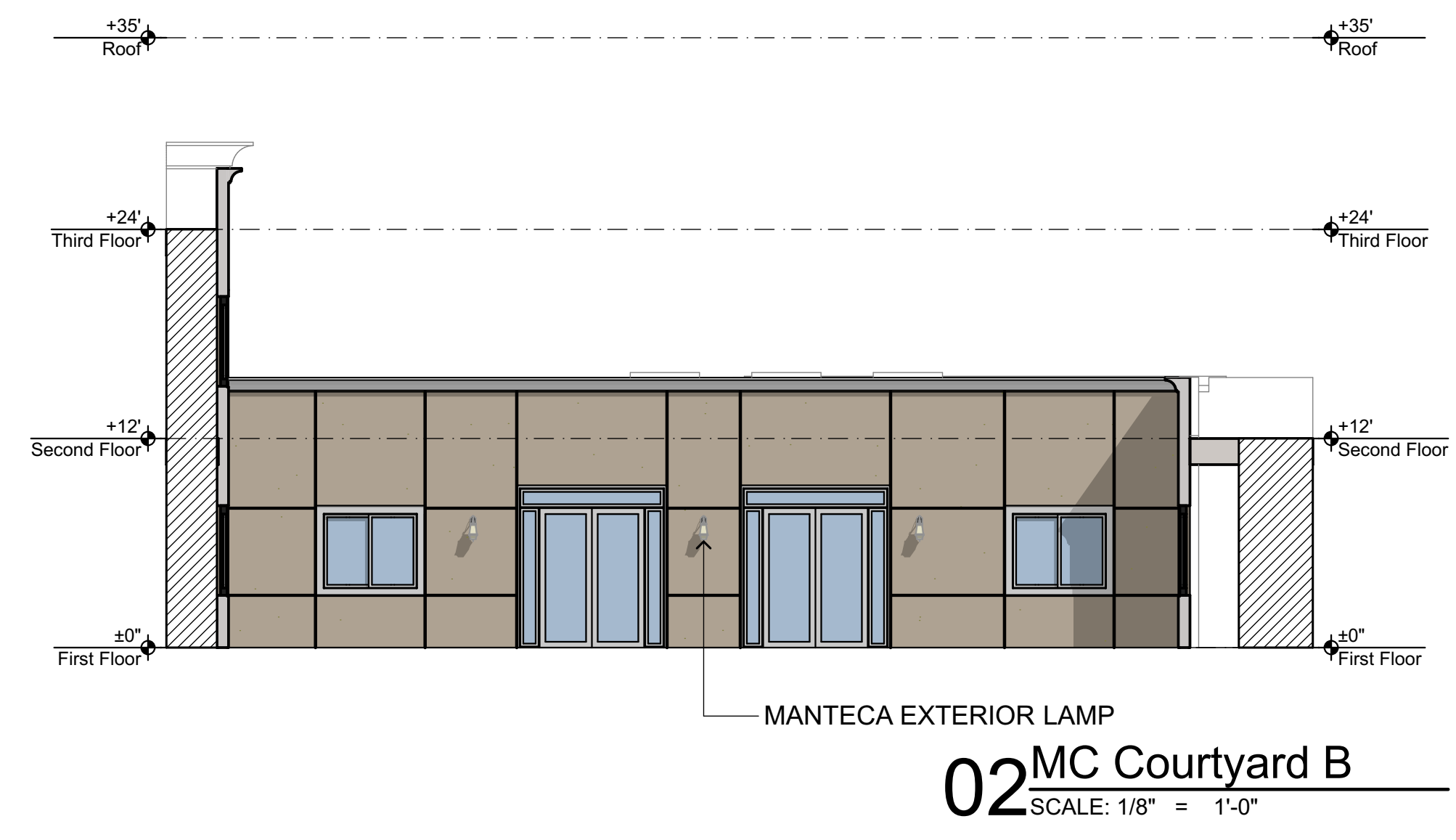
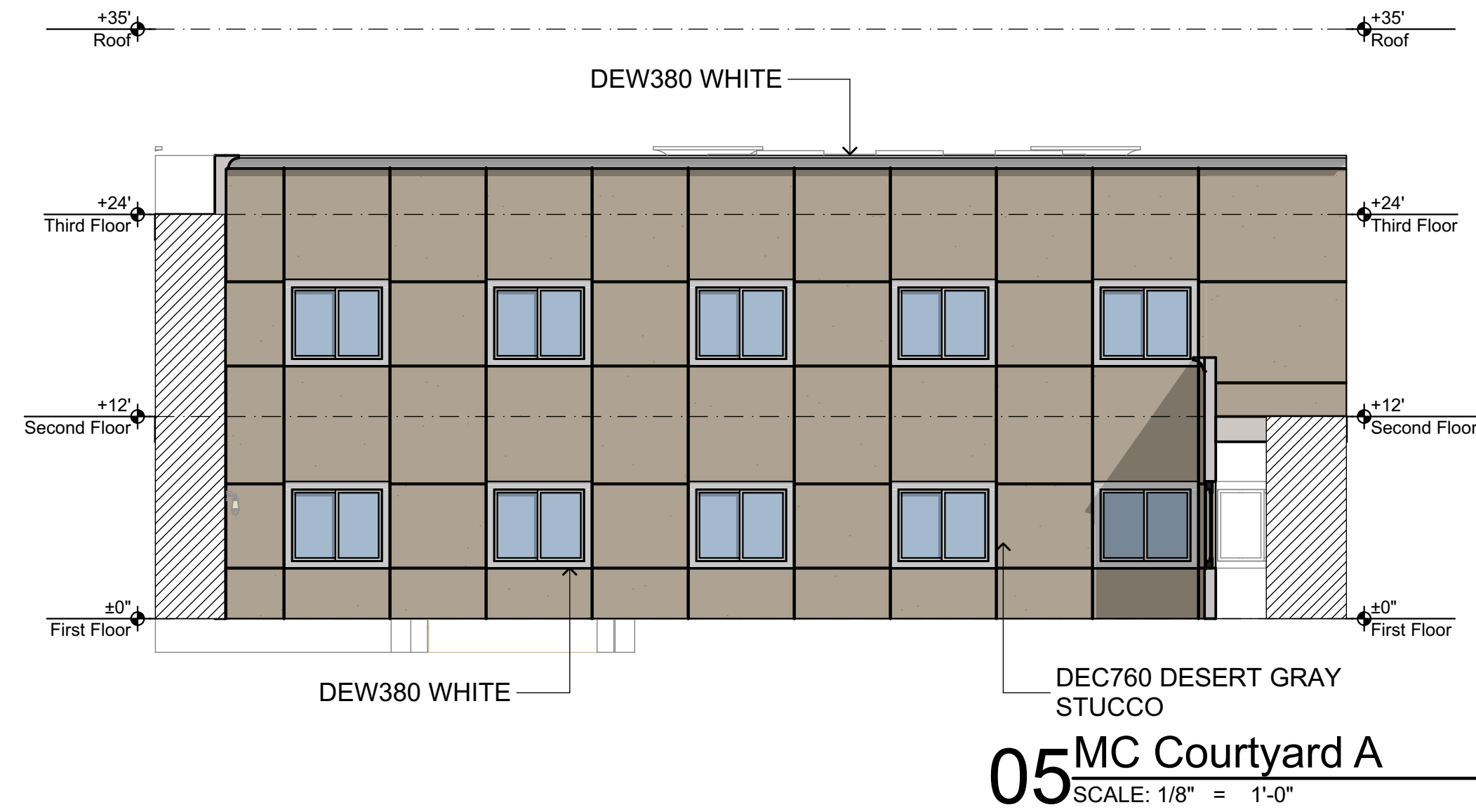
02 Common Area B
SCALE: 1/8" = 1'-0"

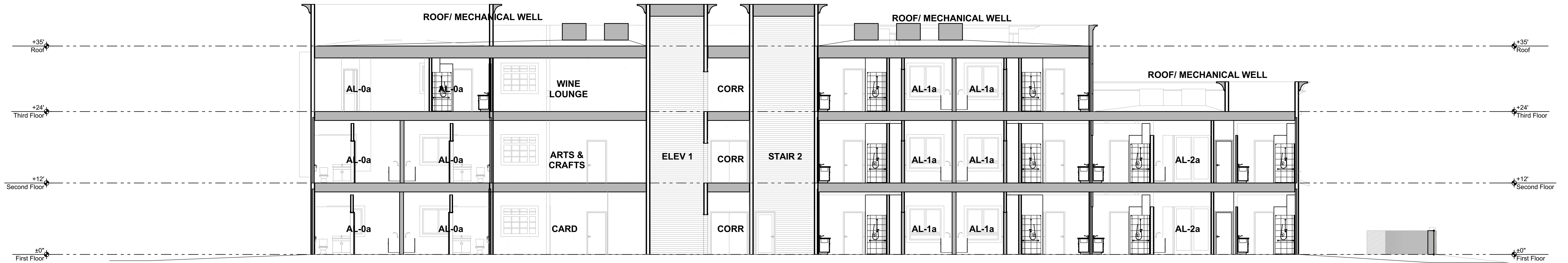


03 Common Area C
SCALE: 1/8" = 1'-0"

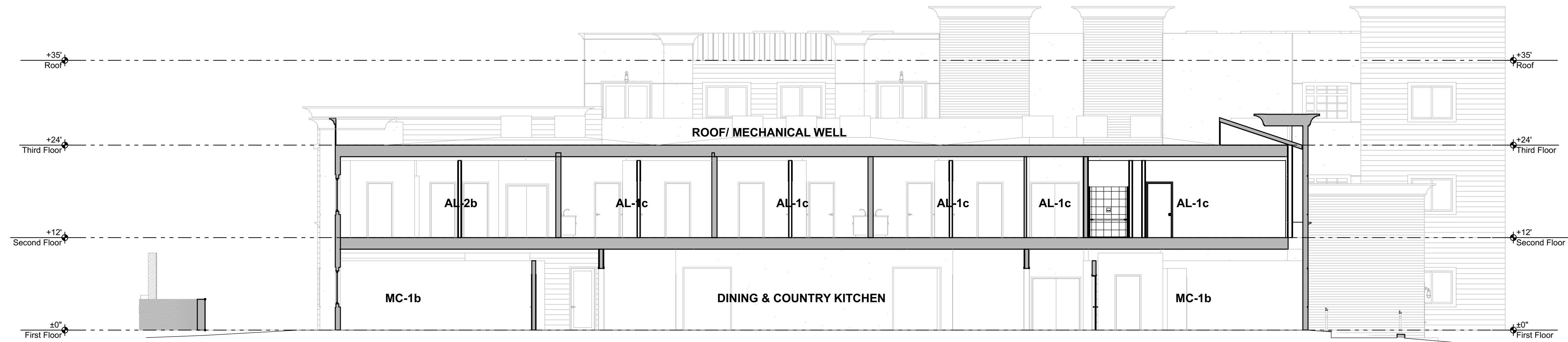


04 Common Area D
SCALE: 1/8" = 1'-0"

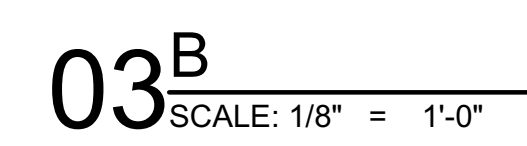
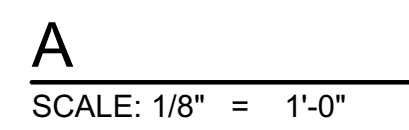
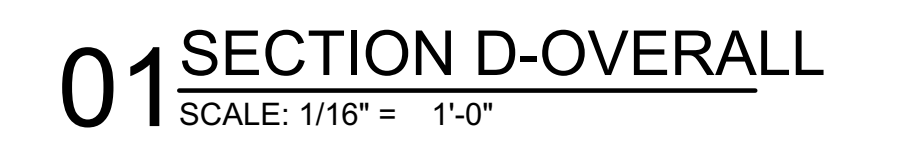


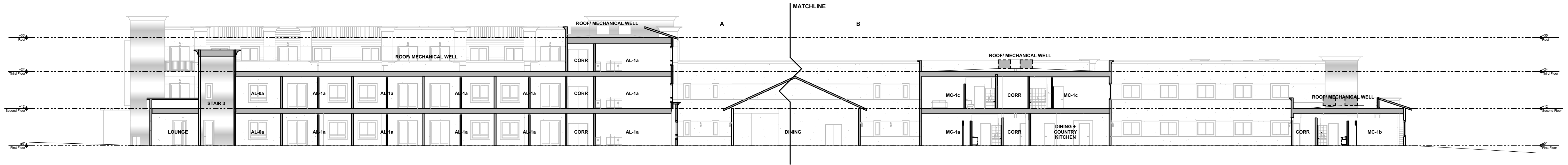


01 SECTION A
SCALE: 1/8" = 1'-0"

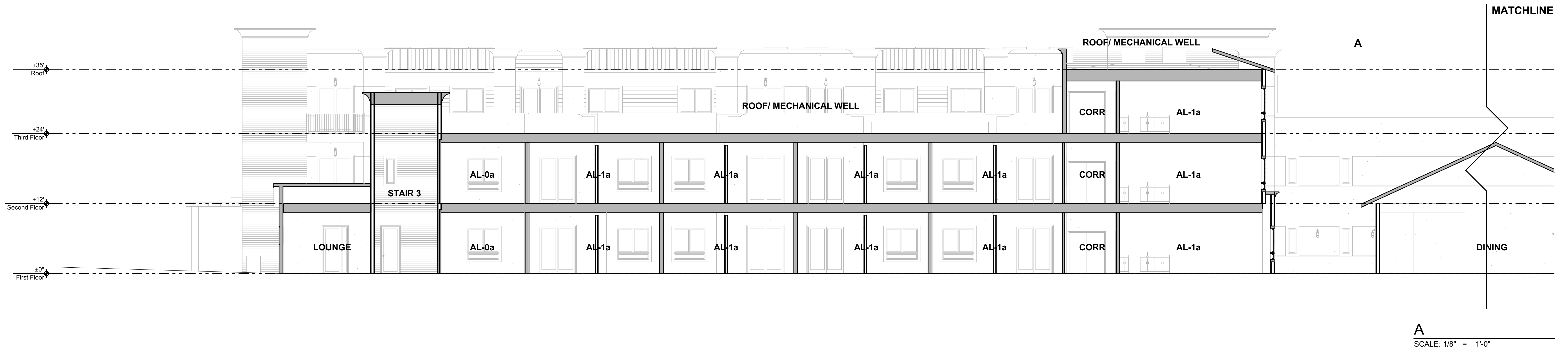


02 SECTION B
SCALE: 1/8" = 1'-0"

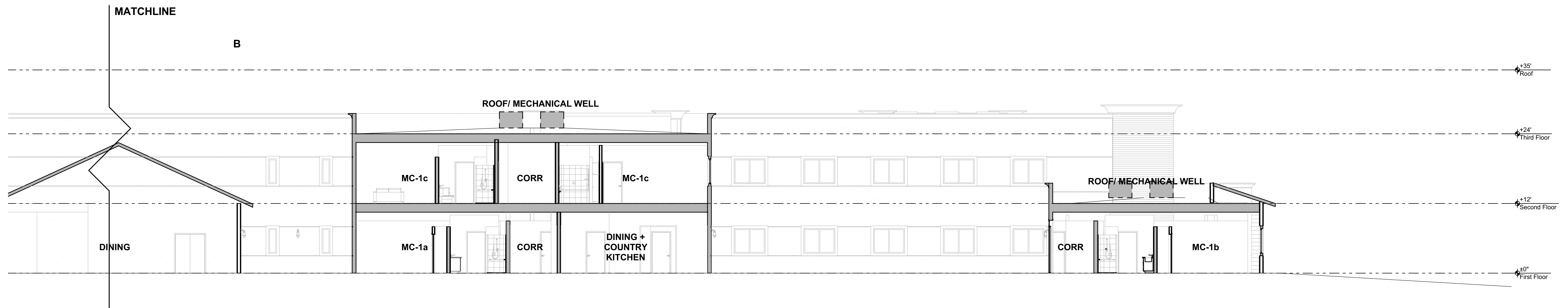




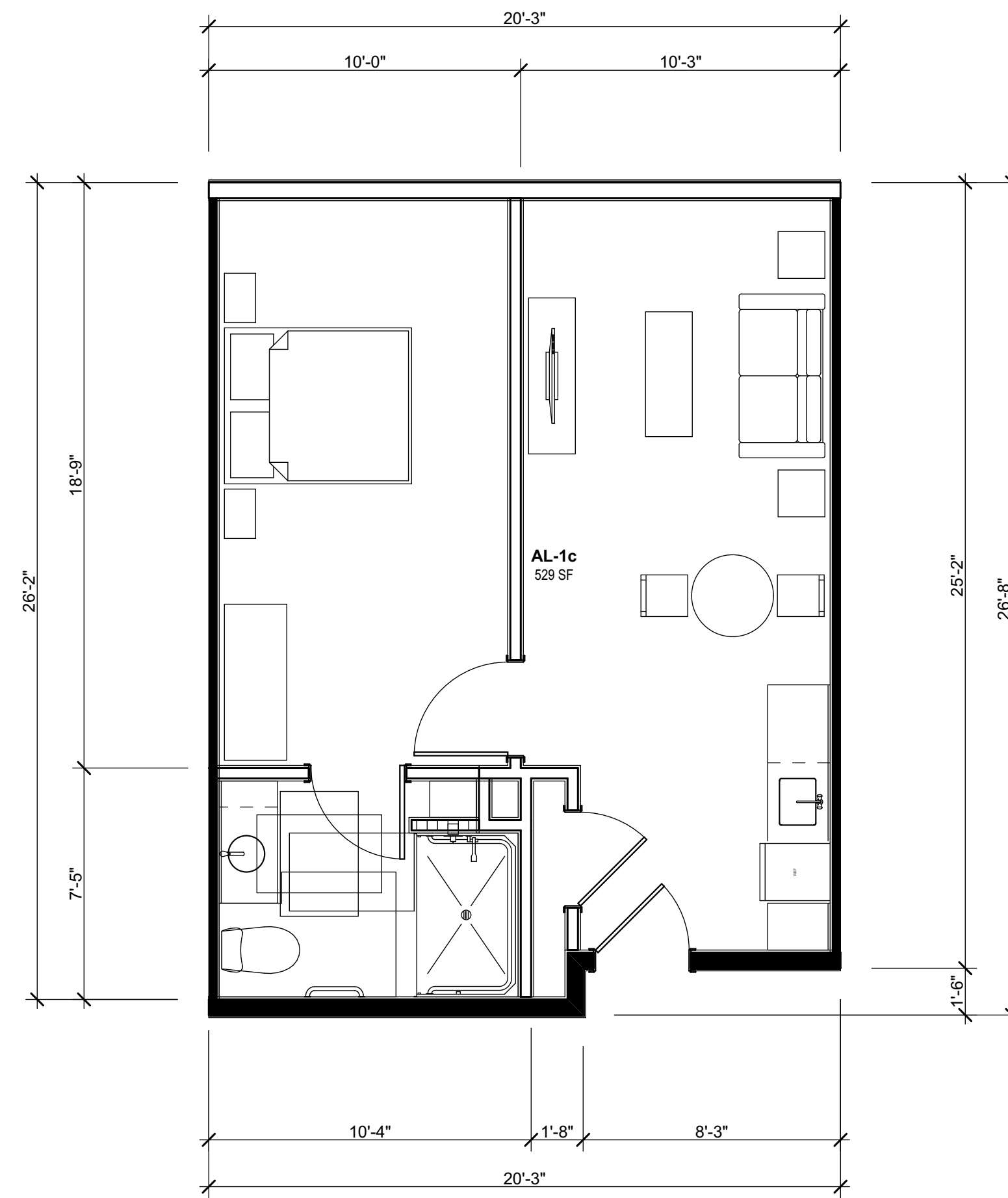
01 SECTION C-OVERALL
SCALE: 1/16" = 1'-0"



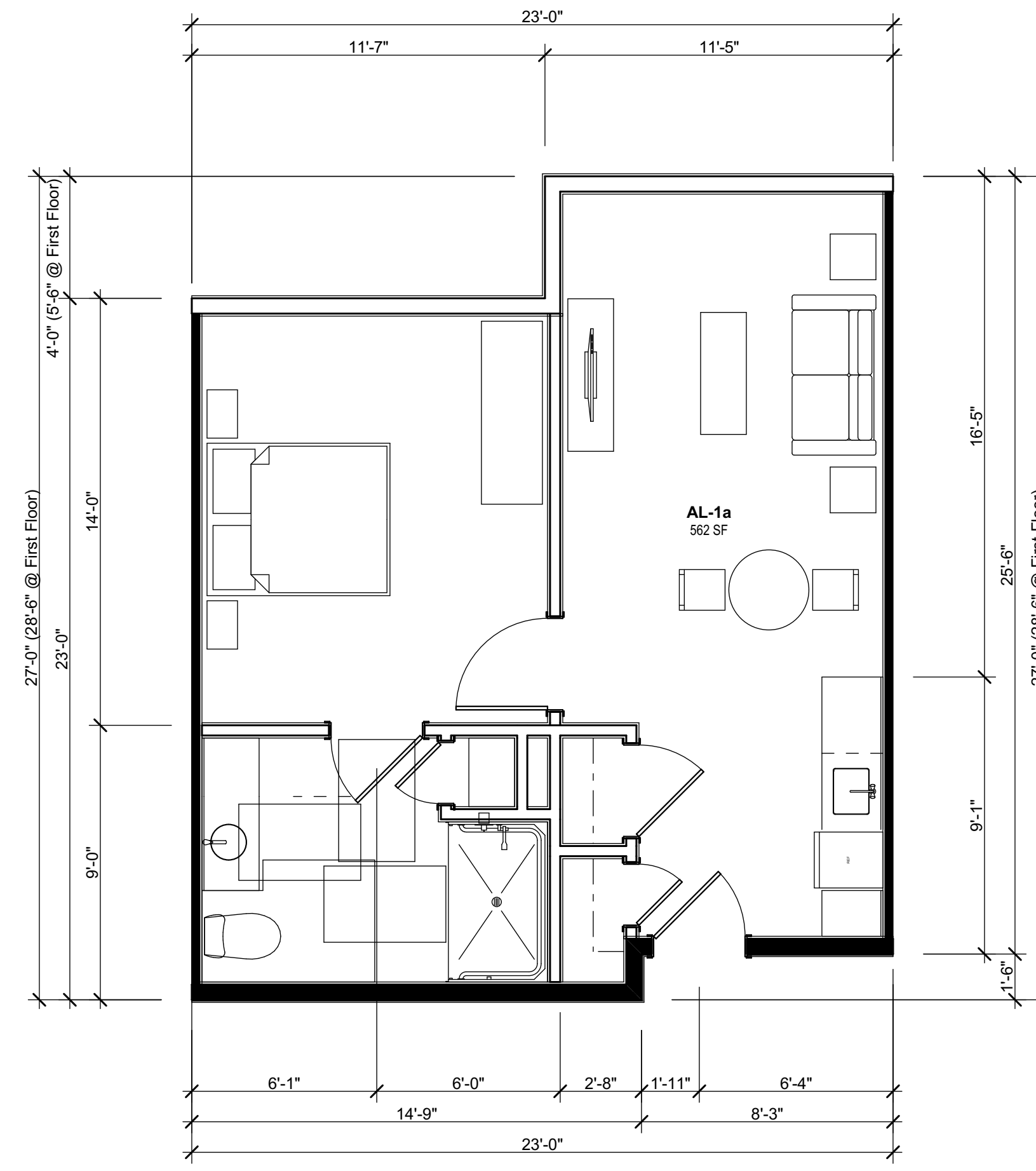
A
SCALE: 1/8" = 1'-0"



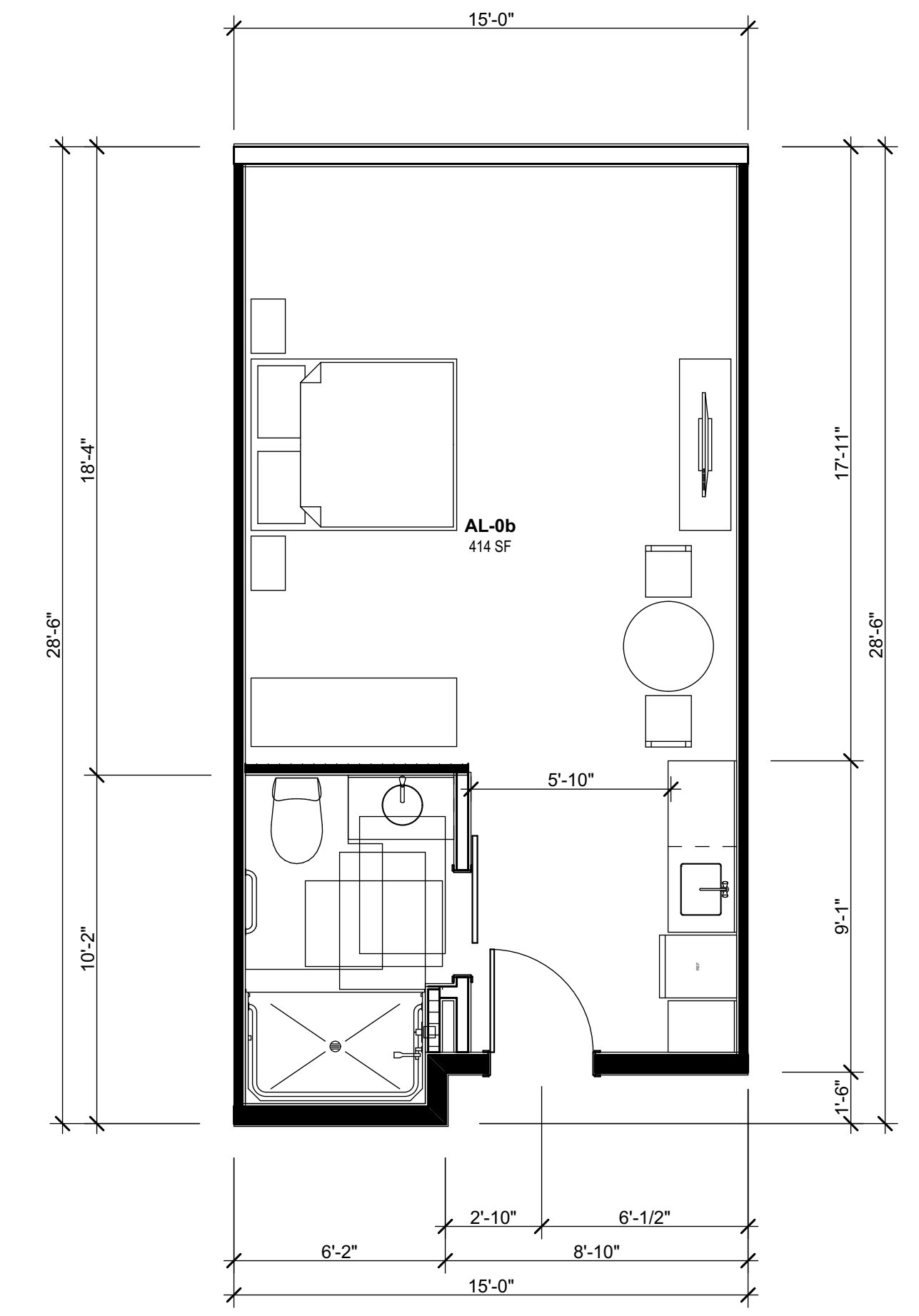
03^B SCALE: 1/8" = 1'-0"



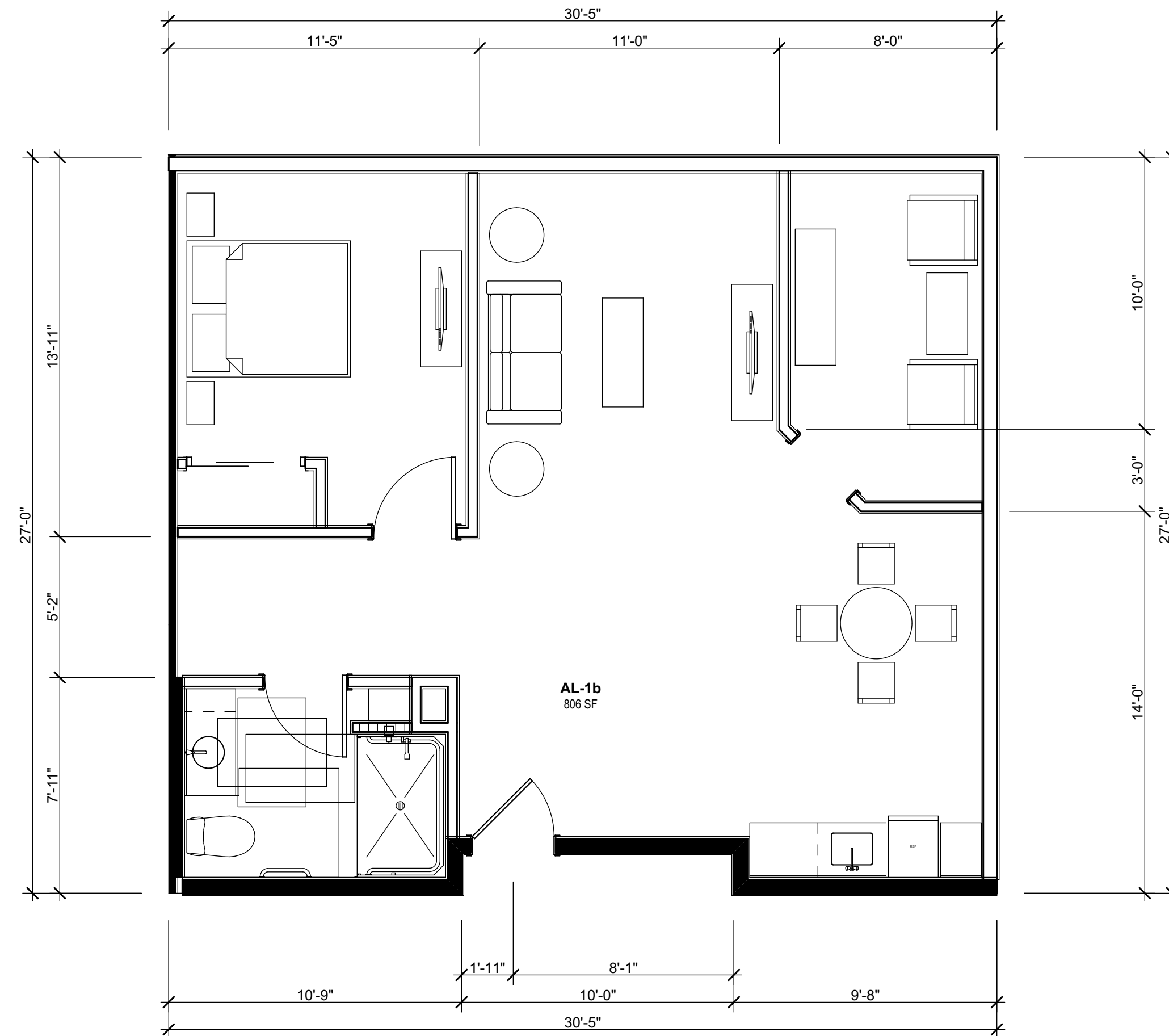
08AL-1c UNIT PLAN
SCALE: 1/4" = 1'-0"



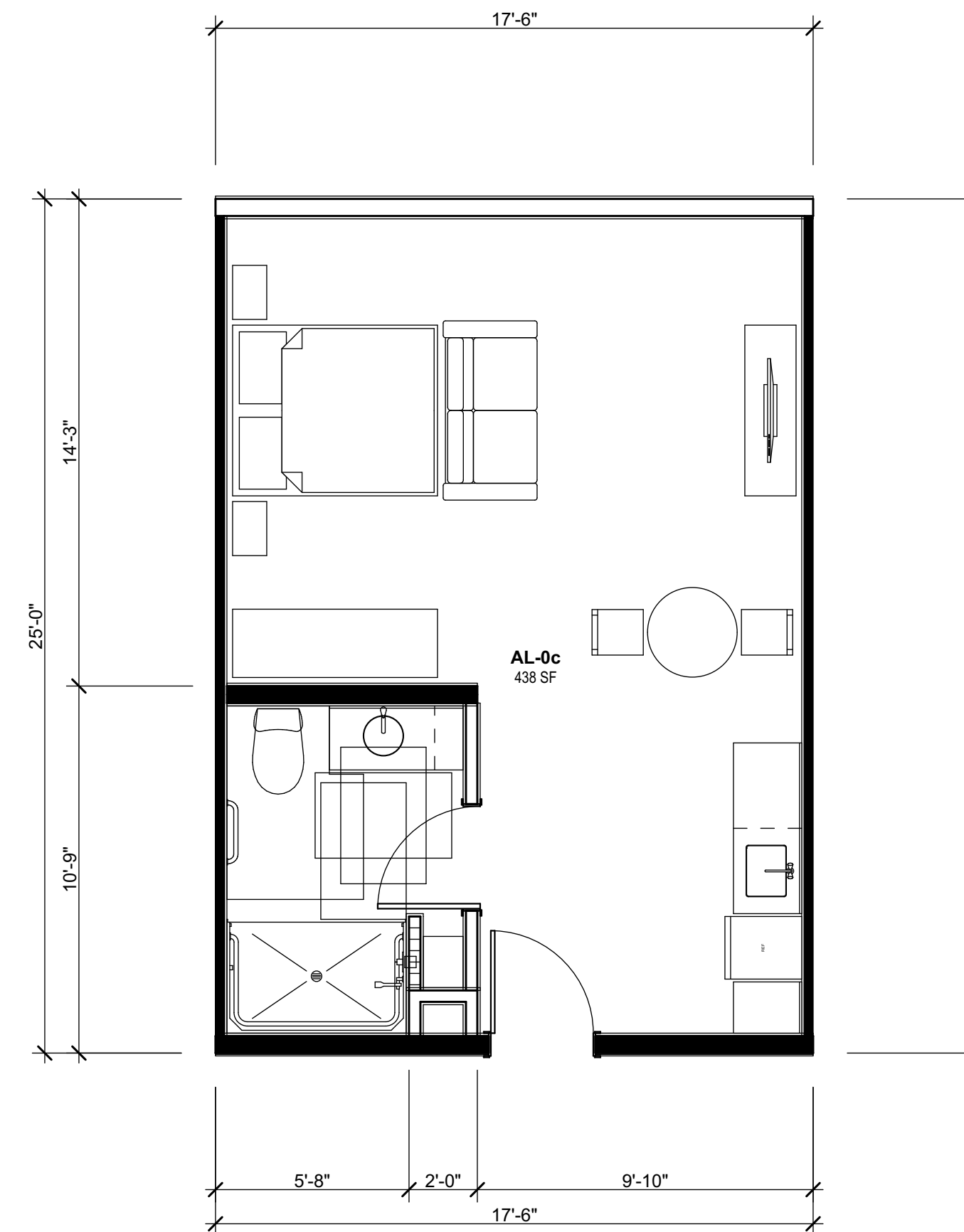
05AL-1a UNIT PLAN
SCALE: 1/4" = 1'-0"



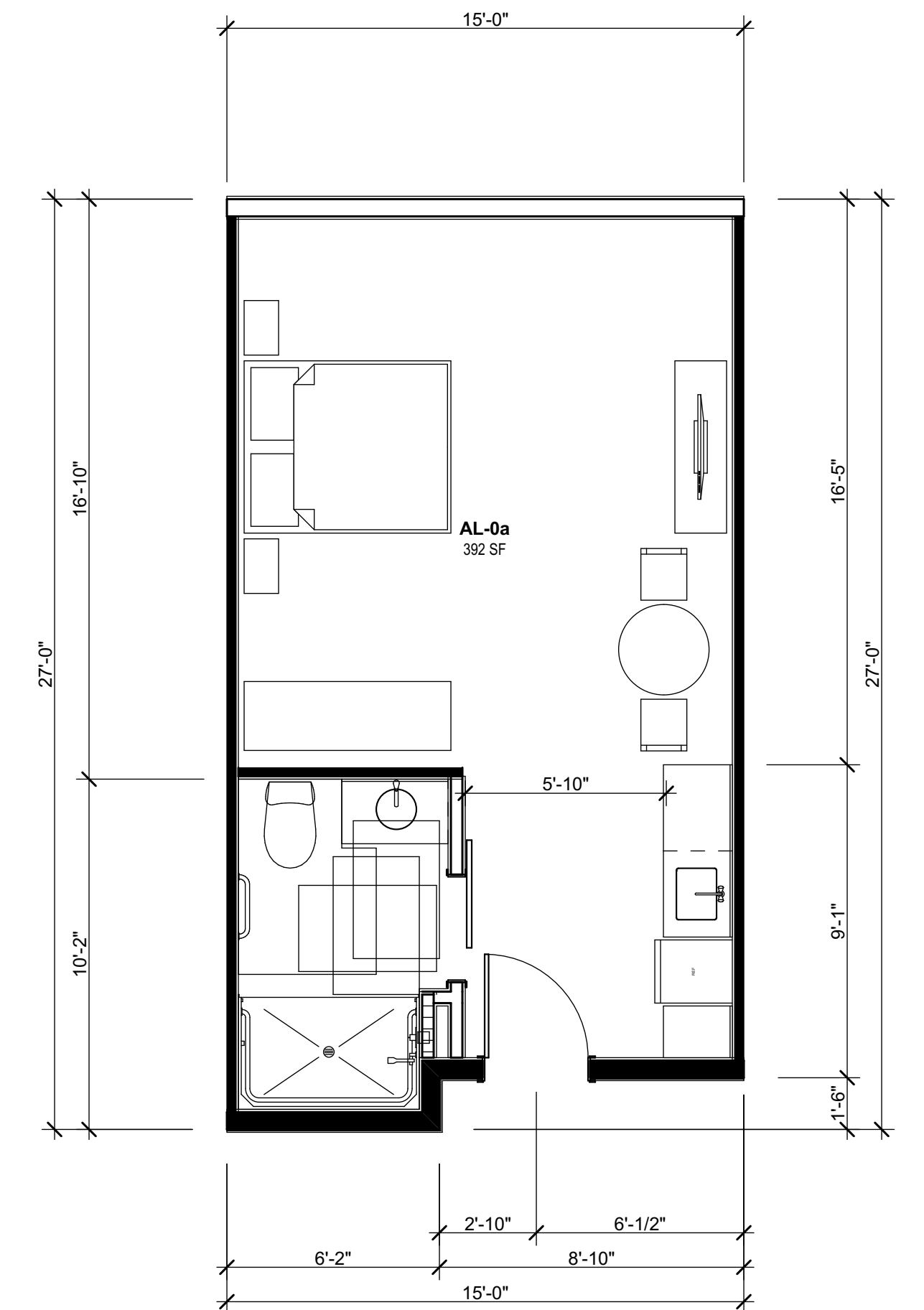
02AL-0b UNIT PLAN
SCALE: 1/4" = 1'-0"



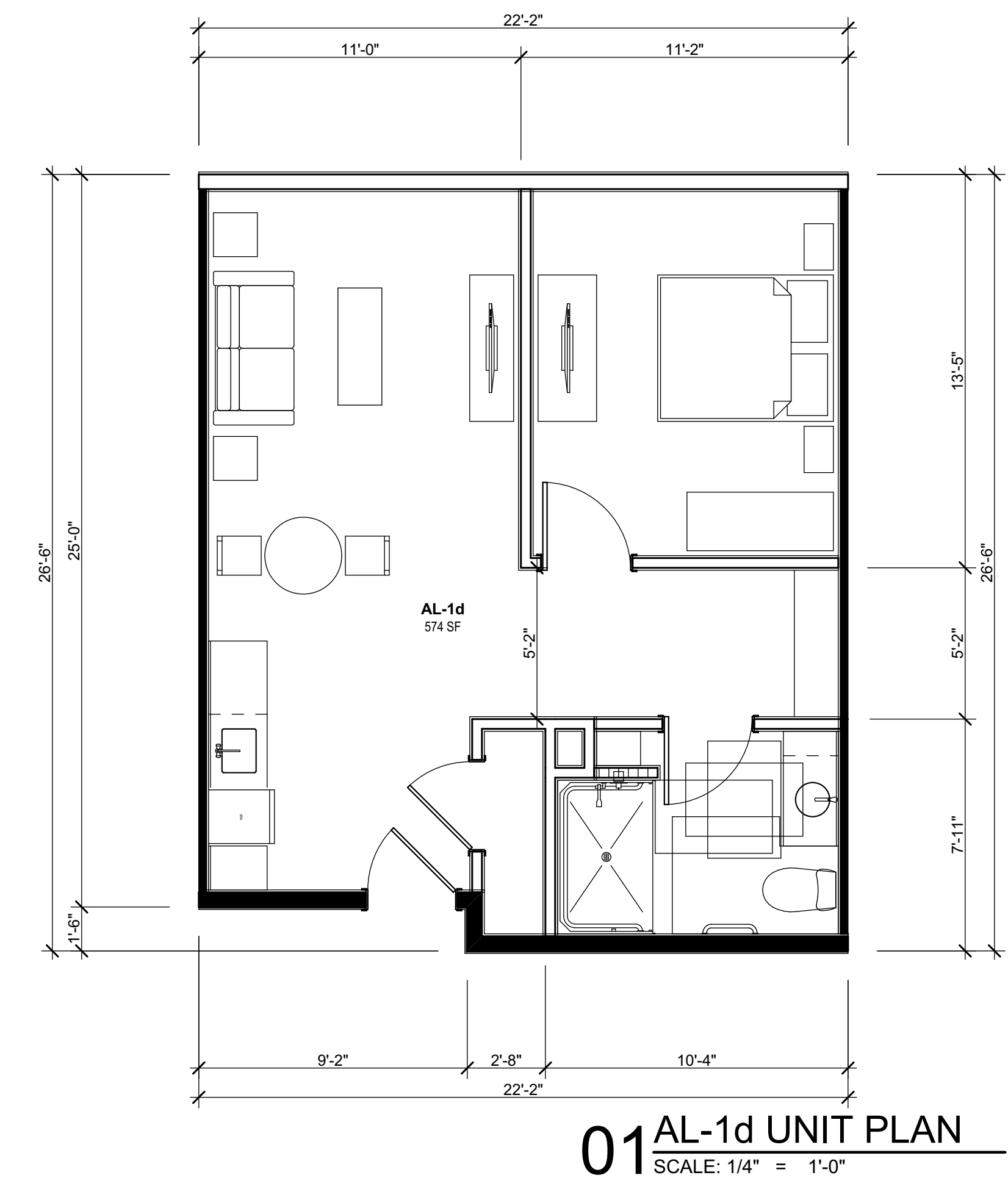
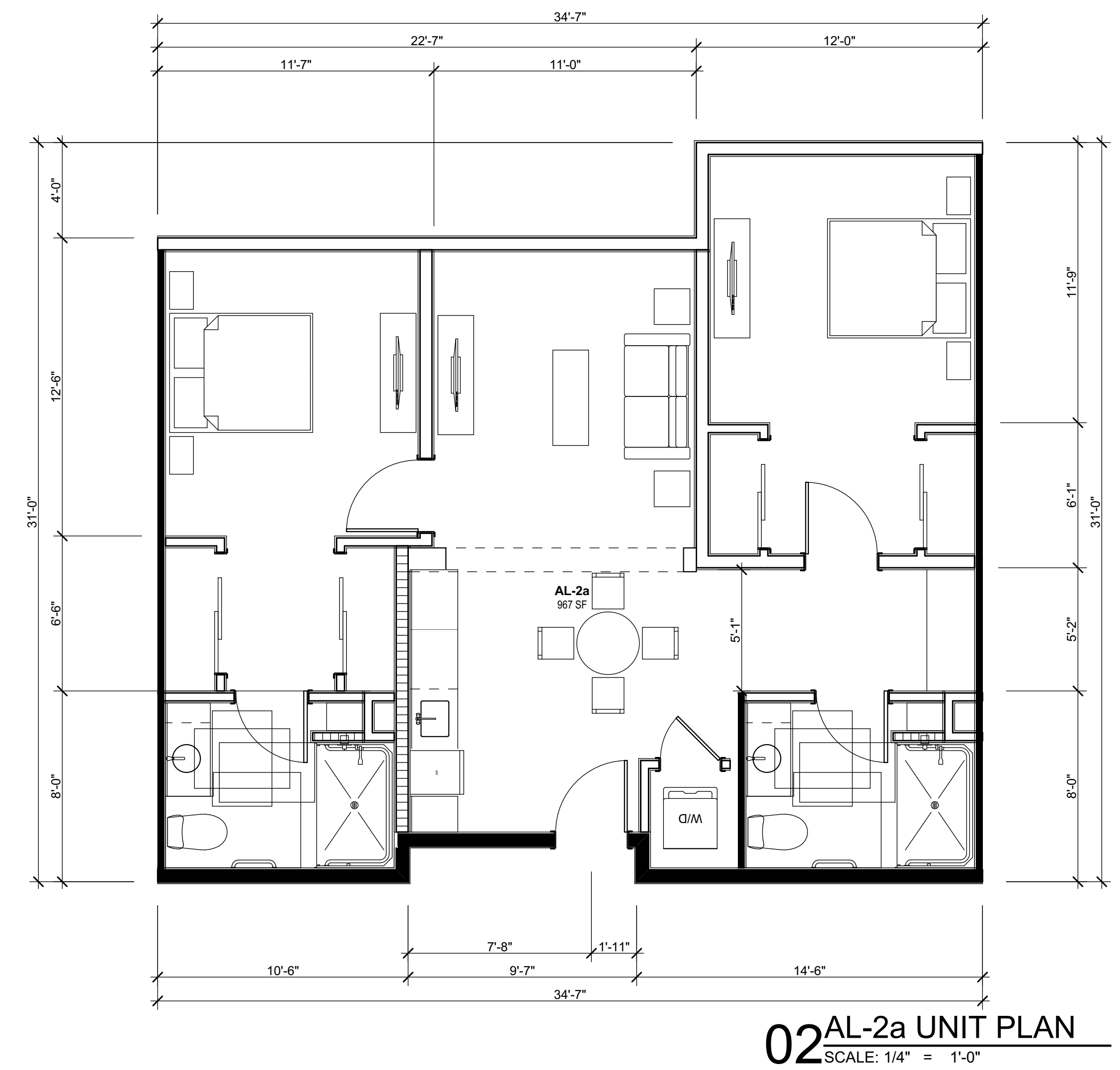
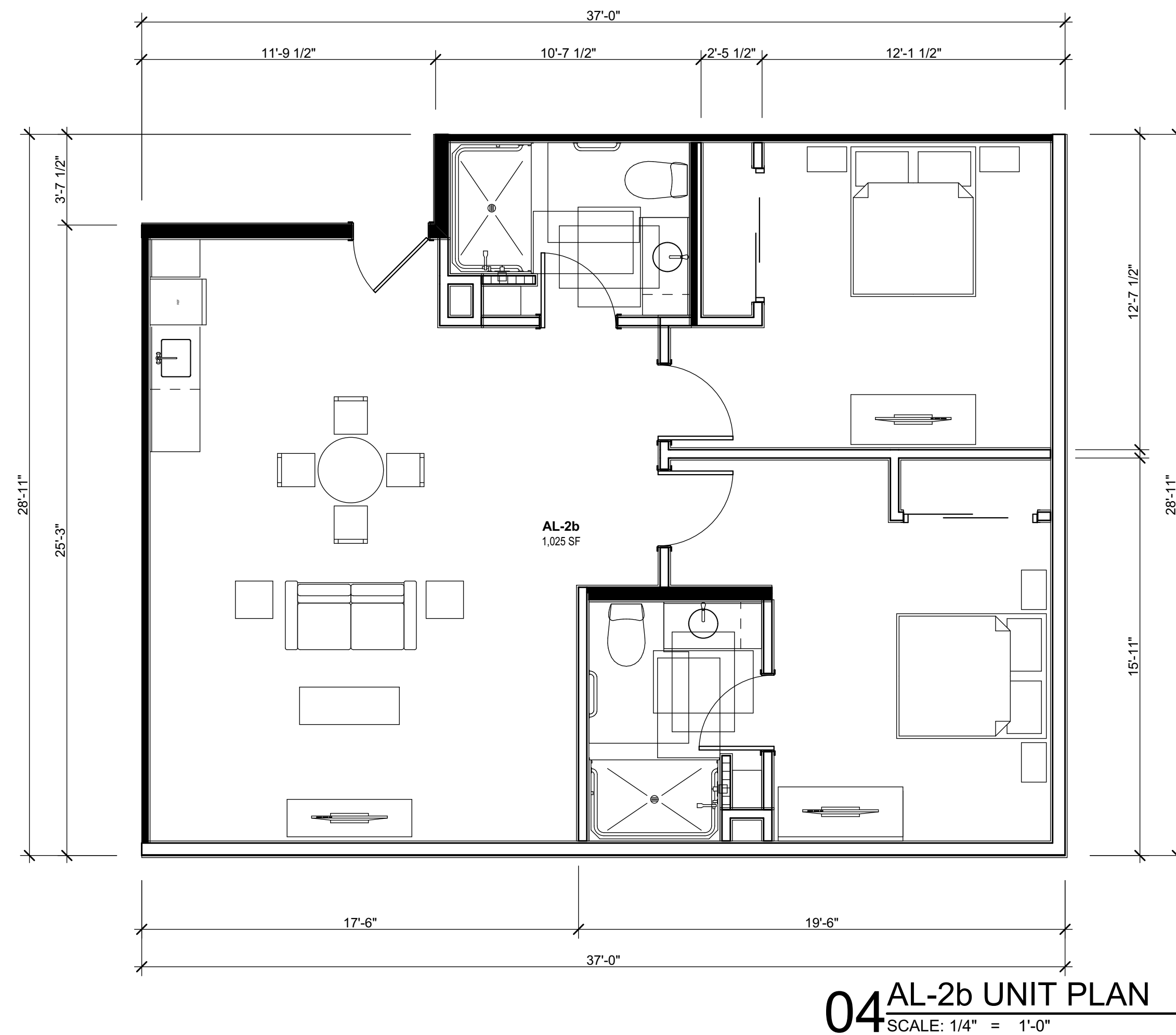
07AL-1b UNIT PLAN
SCALE: 1/4" = 1'-0"

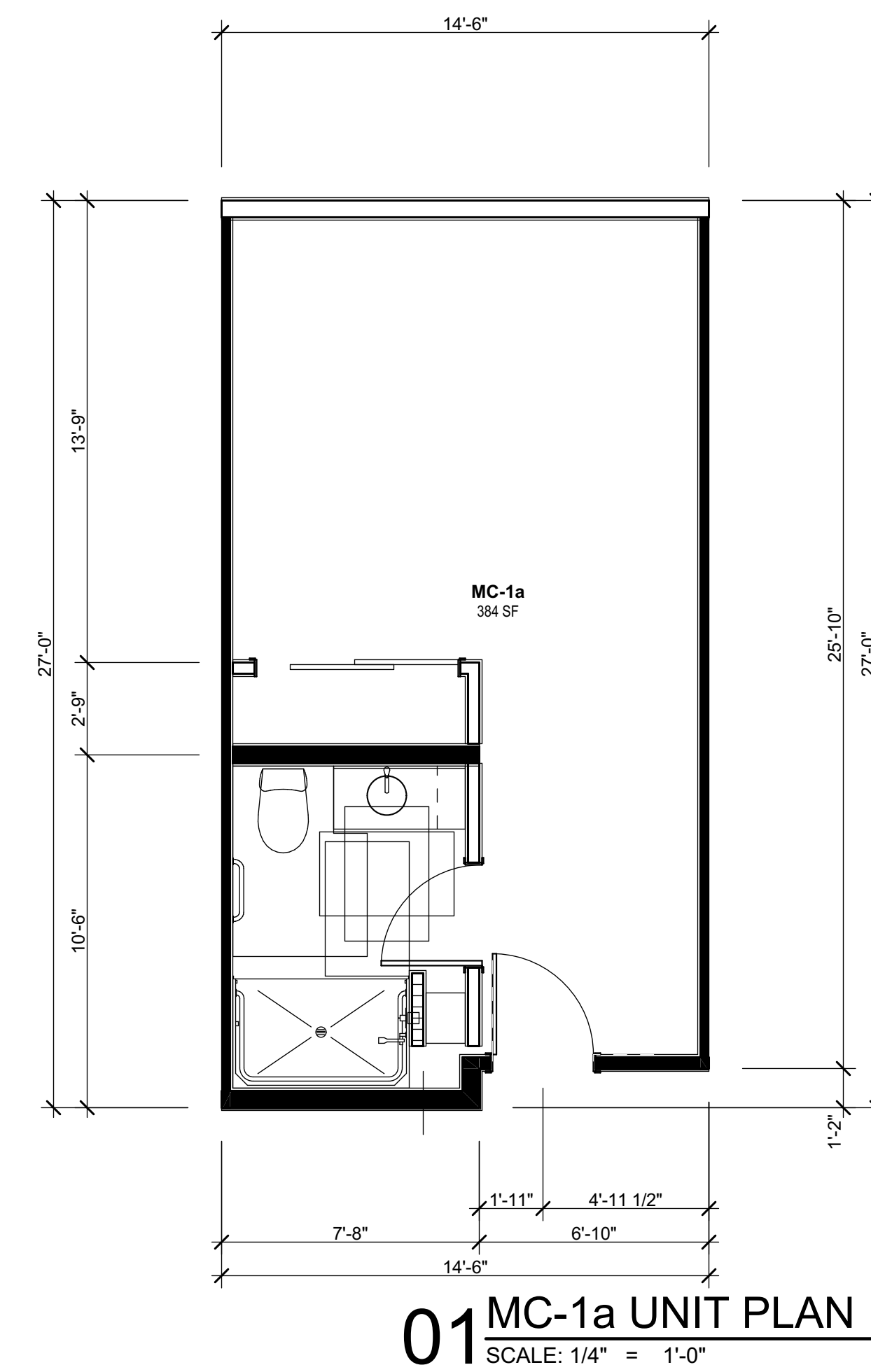
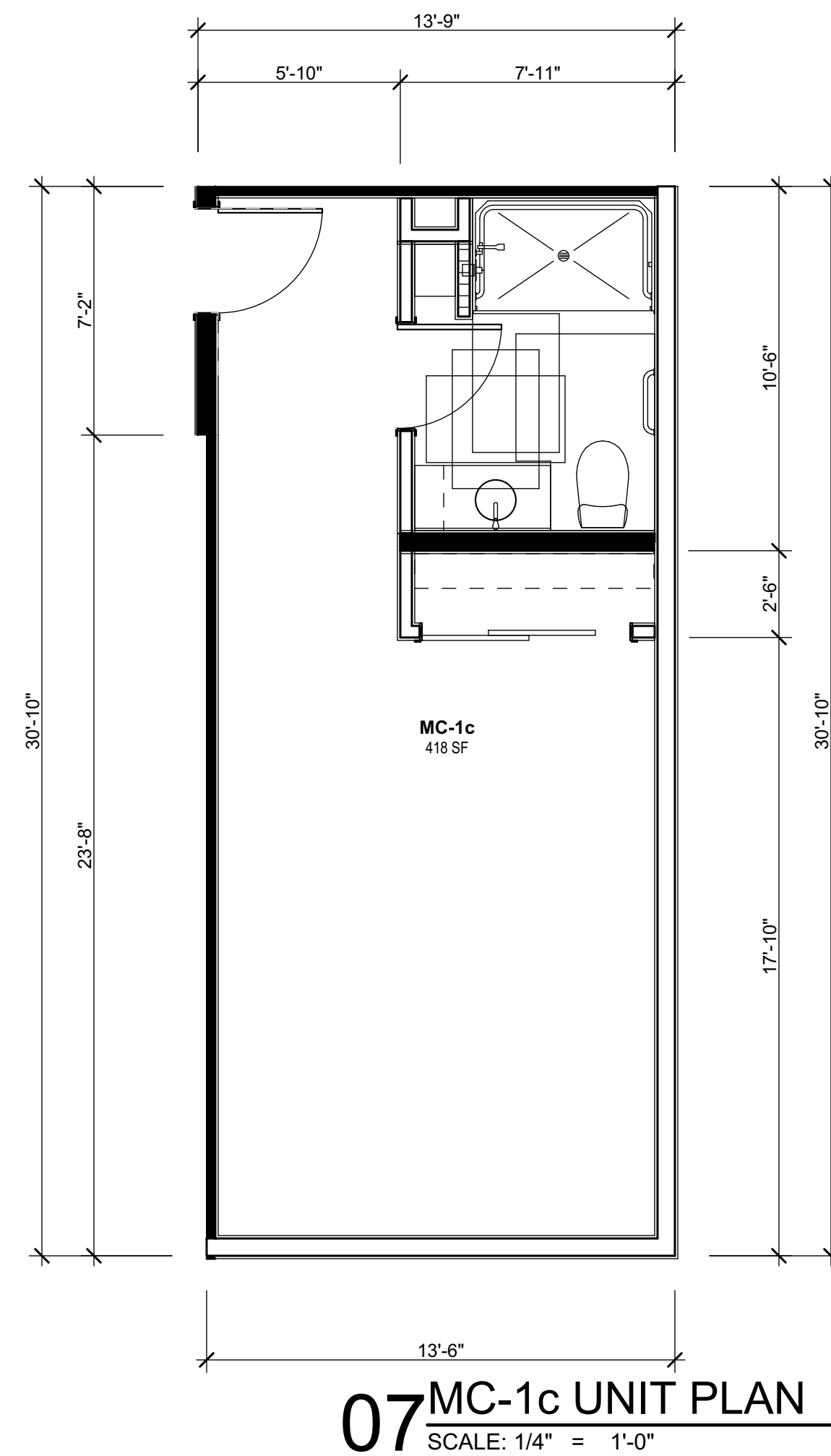
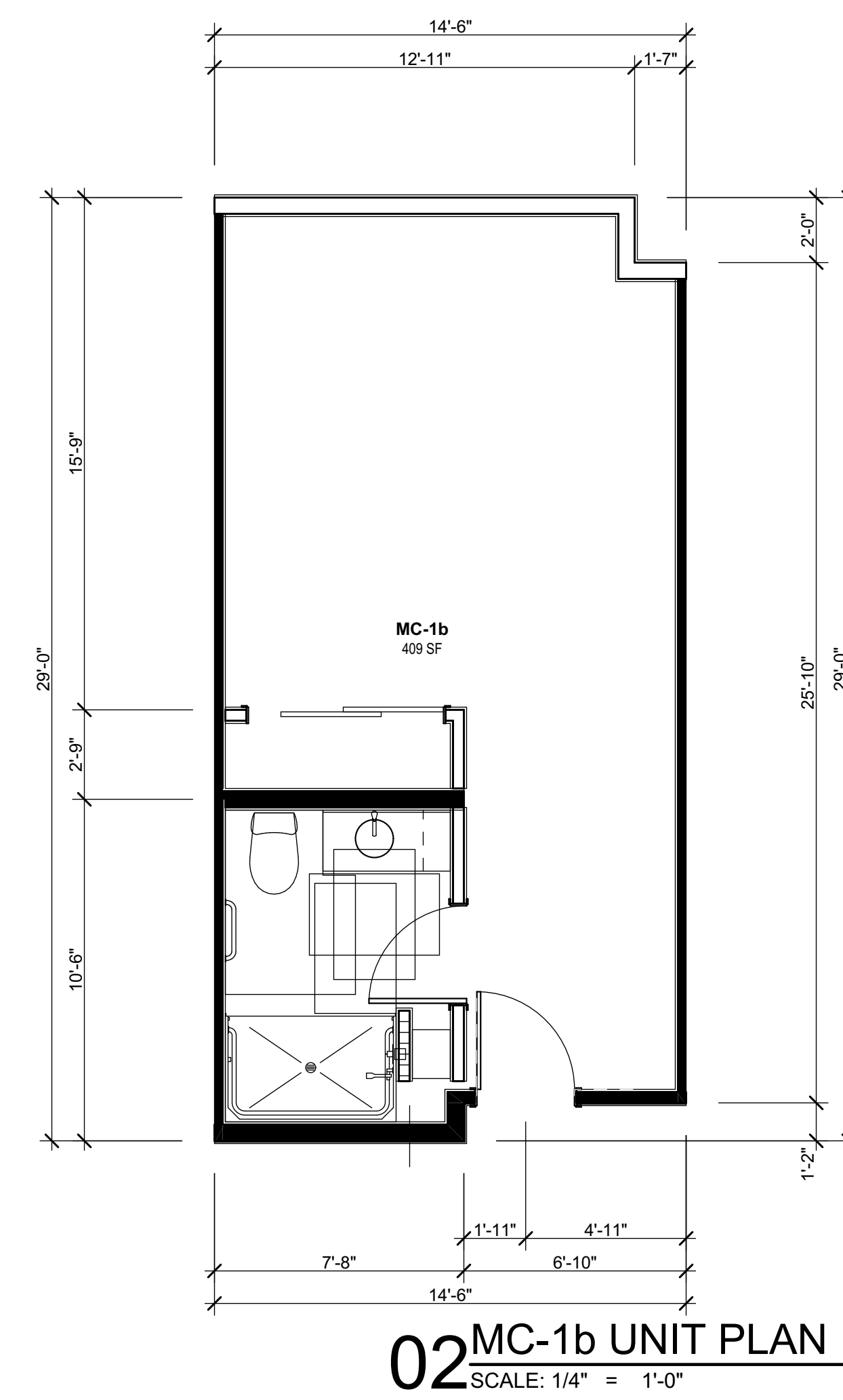
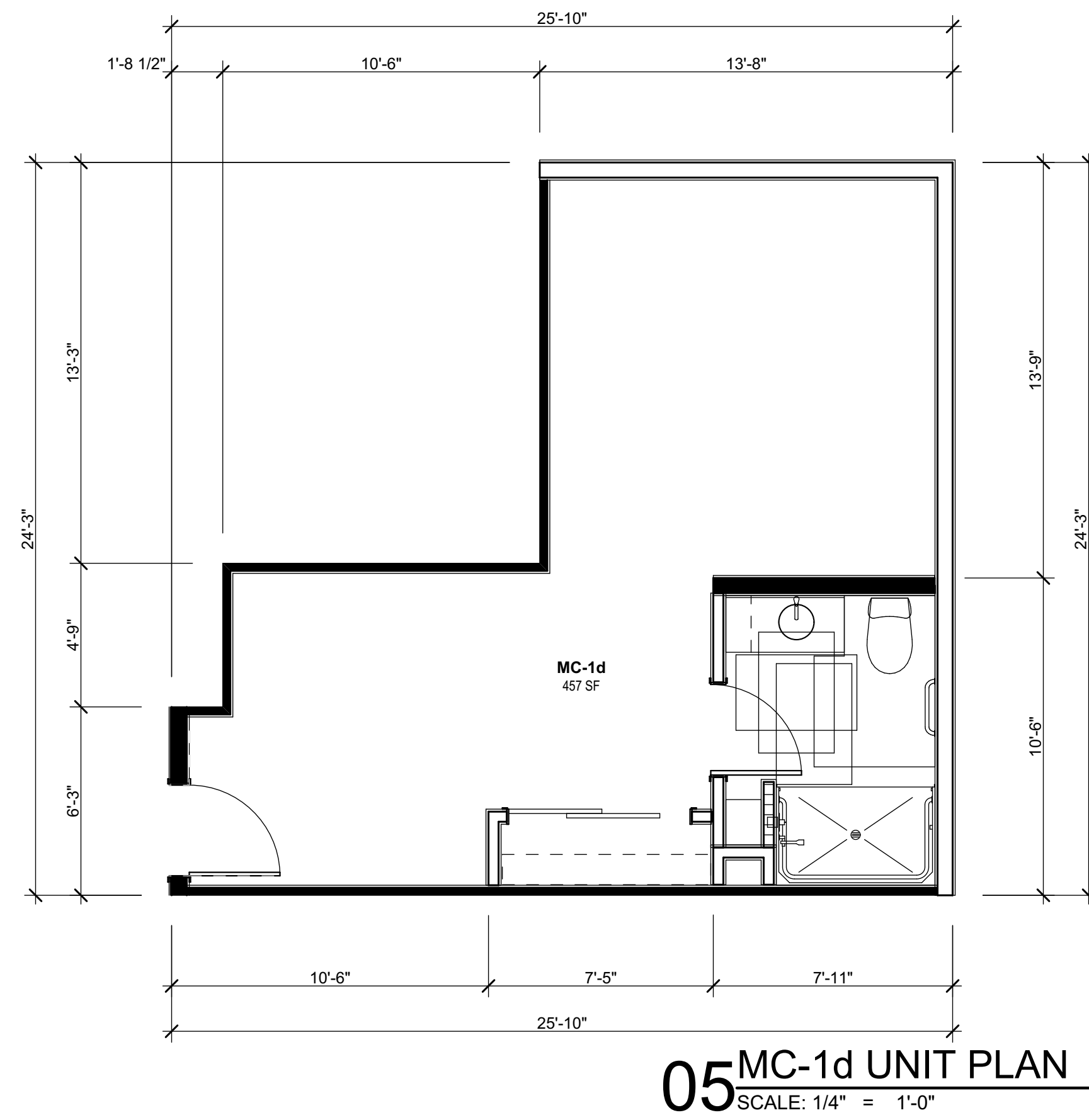


04AL-0c UNIT PLAN
SCALE: 1/4" = 1'-0"



01AL-0a UNIT PLAN
SCALE: 1/4" = 1'-0"



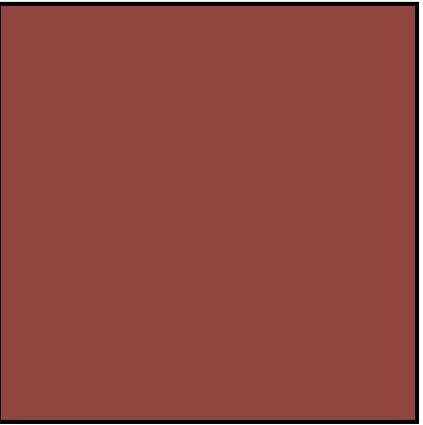




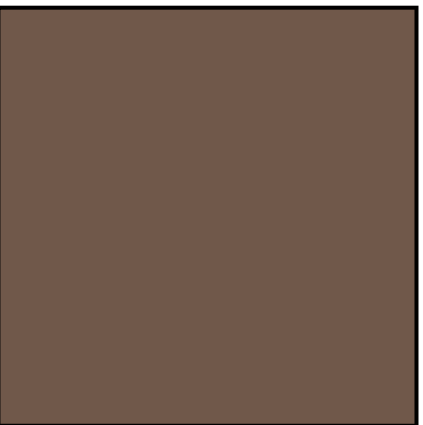
The Garland Company
Standing Seam Roof



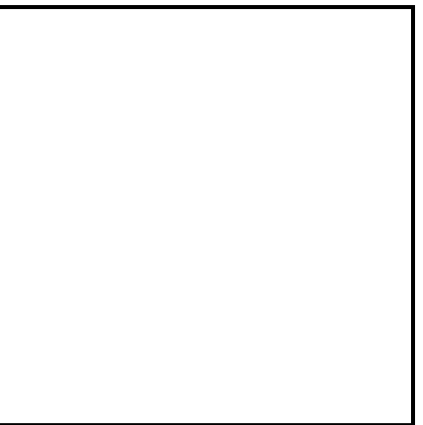
Manteca Lighting
Lighthouse Outdoor Light



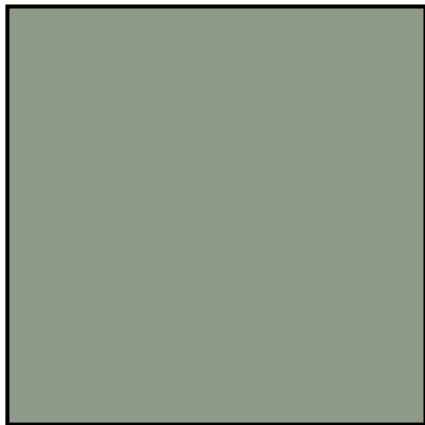
DET 423
Red Craft
Horizontal Siding



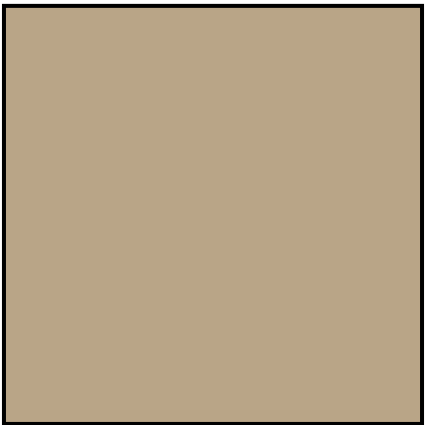
DE 6077
Deep Brown
Wood Trim



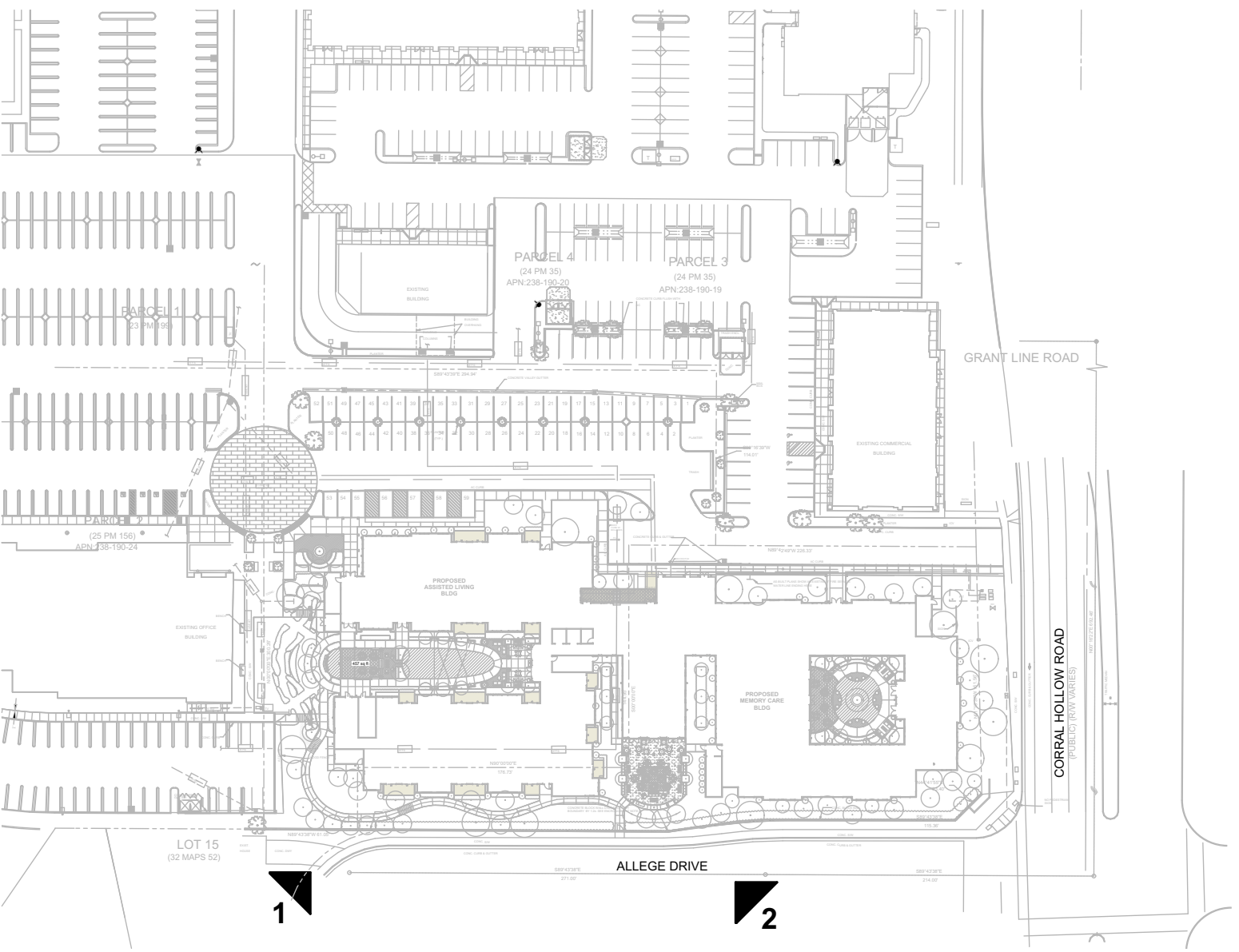
DEW 380
White
Accent Trim &
Window Trim



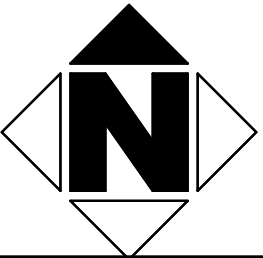
DE 6285
Linden Spear
Horizontal Siding



DEC 760
Desert Gray
Base Stucco



01 Neighborhood View Key
SCALE: 1" = 100'



1

2



PLANT PALETTE

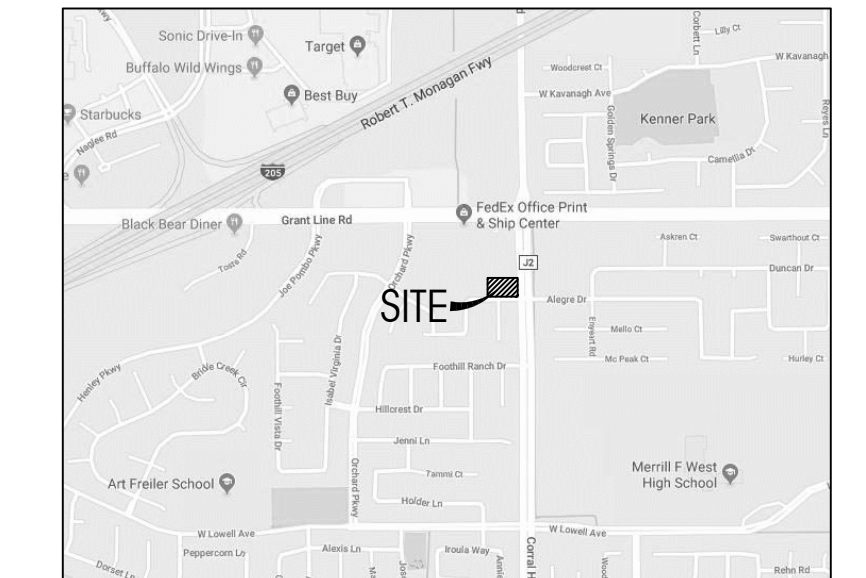
Symbol	Botanical Name	Common Name	Sunset Zone 14 WUCOLS Region 2	Symbol	Botanical Name	Common Name	Sunset Zone 14 WUCOLS Region 2
TREES				TREES			
	Arbutus unedo 'Marina'	Strawberry Tree	Low		Magnolia g. 'D.D. Blanchard'	Southern Magnolia	Mod
	Cupressus sempervirens 'Glauca'	Italian Cypress	Mod		Olea europea 'Wilsonii'	Fruitless Olive	Low
	Geijera parviflora	Australian Willow	Mod		Prunus c. 'Atropurpurea'	Purple-Leaf Plum	Mod
	Lagerstroemia l. 'Tuscarora'	Crape Myrtle	Low		Quercus agrifolia	Coast Live Oak	Low
	Magnolia g. 'Brackens Beauty'	Southern Magnolia	Mod		Ulmus parvifolia 'Drake'	Evergreen Chinese Elm	Mod

Symbol	Botanical Name	Common Name	WUCOLS
SHRUBS/ GROUNDCOVERS			
	Agave species	Agave	Low
	Acacia redolens 'Low Boy'	Prostate Acacia	Low
	Aloe species	Aloe	Low
	Bougainvillea 'Raspberry Ice'	Raspberry Ice Bougainvillea	Low
	Buddleia spp.	Butterfly Bush	Low
	Caesalpinia gilliesii	Desert Bird of Paradise	Low
	Callistemon v. 'Little John'	Dwarf Bottlebrush	Low
	Cistus spp.	Rock Rose	Low
	Dasylium wheeleri	Desert Spoon	Low
	Dodonaea v. 'Purpurea'	Purple Hopseed Bush	Low
	Eleagnus pungens	Silverberry	Low
	Grevillea spp.	Red Yucca	Low
	Hesperaloe parviflora	Lavender	Low
	Lavandula spp.	Japanese Privet	Low
	Ugustrum japonica	Dwarf Olive	Low
	Olea 'Little Olive'	Purple Fountain Grass	Low
	Russelia equisetiformis	Coral Fountain	Low
	Salvia spp.	Sage	Low
	Westingia spp.	Coast Rosemary	Low

Symbol	Botanical Name	Common Name	WUCOLS
WATER QUALITY SWALE			
	Achillea millefolium	Yarrow	Low
	Bouteloua gracilis	Blue Grama	Low
	Carex oshimensis 'Evergold'	Evergold Sedge	Low
	Dieris bicolor	Forsythia	Low
	Mimulus hybrids	Monkey Flower	Low
	Muhlenbergia capillaris	Pink Muhly	Low
	Salvia clevelandii	Cleveland Sage	Low
	Zauschneria californica	California Fuchsia	Low
		Artificial Turf	
		Decorative Rock/ Cobble	

NOTES:
PLANT MATERIAL NOT LISTED MAY BE USED, SUBJECT TO APPROVAL BY THE CITY.
ALL LANDSCAPE PLANS AND INSTALLATIONS SHALL ADHERE TO CITY DESIGN GUIDELINES, CODES AND REGULATIONS.
ALL LANDSCAPE AREAS SHALL RECEIVE AUTOMATIC IRRIGATION SYSTEM.
ALL LANDSCAPE INSTALLATION SHALL BE PERMANENTLY MAINTAINED.

VICINITY MAP

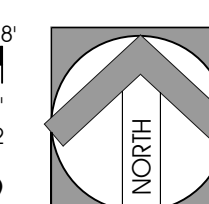


CONCEPTUAL LANDSCAPE PLAN

CORRAL HOLLOW ASSISTED LIVING & MEMORY CARE
TRACY, CA

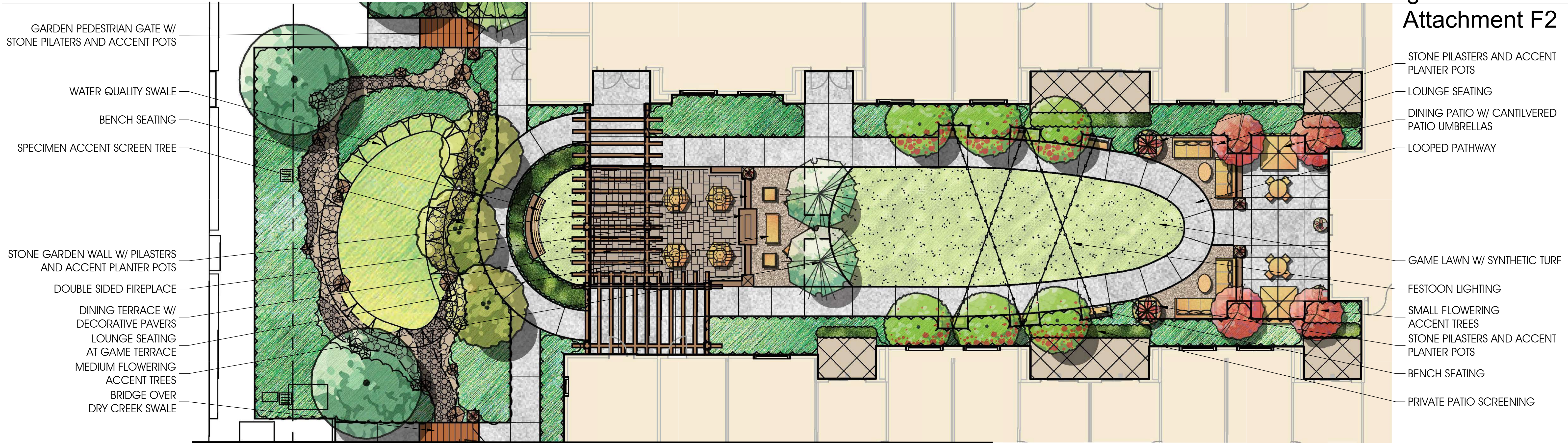
SUMMIT SENIOR LIVING

0' 8' 16' 32' 48'
SCALE: 1/16" = 1'
CDPC PROJECT NO. 19032
AUGUST 19, 2019

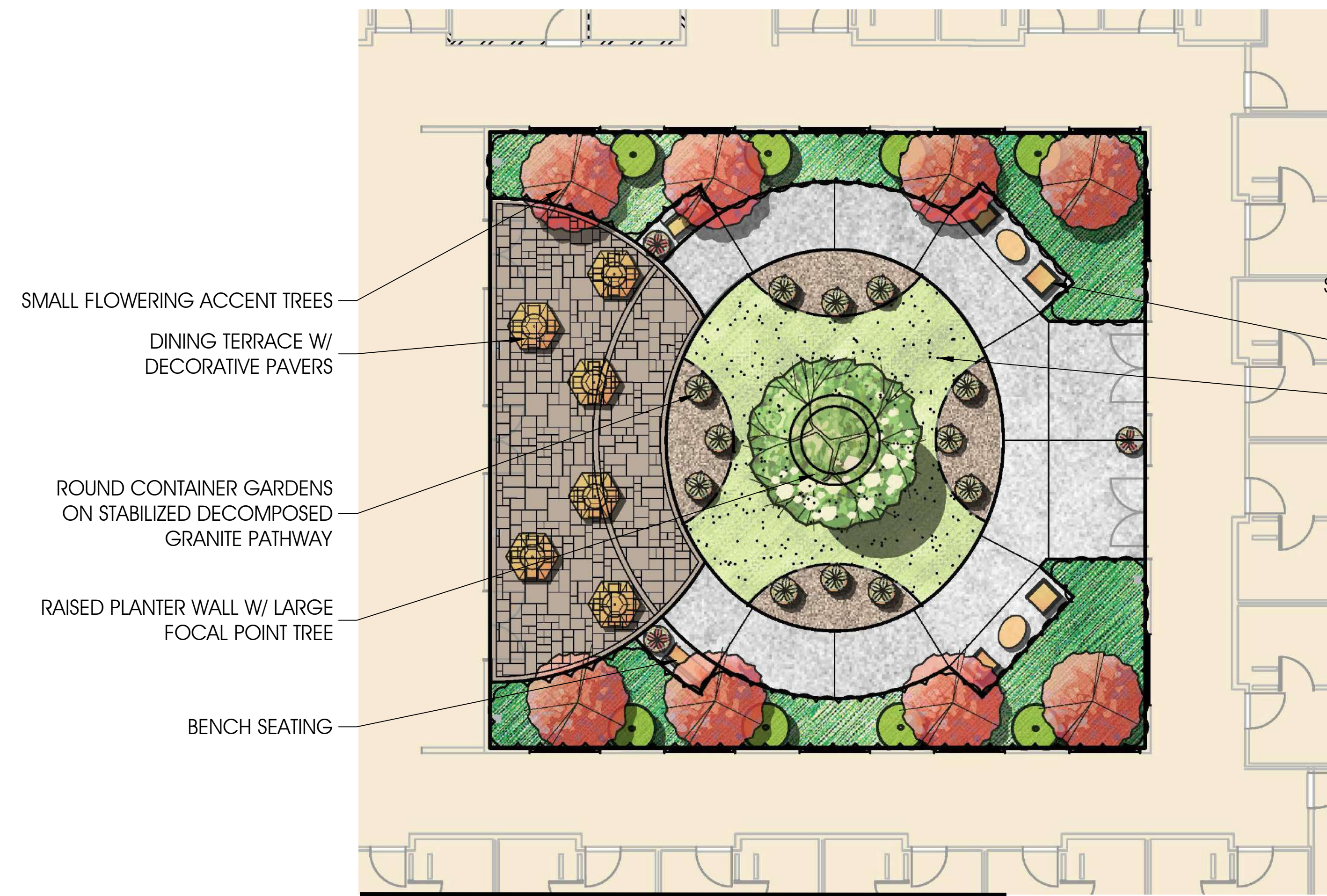


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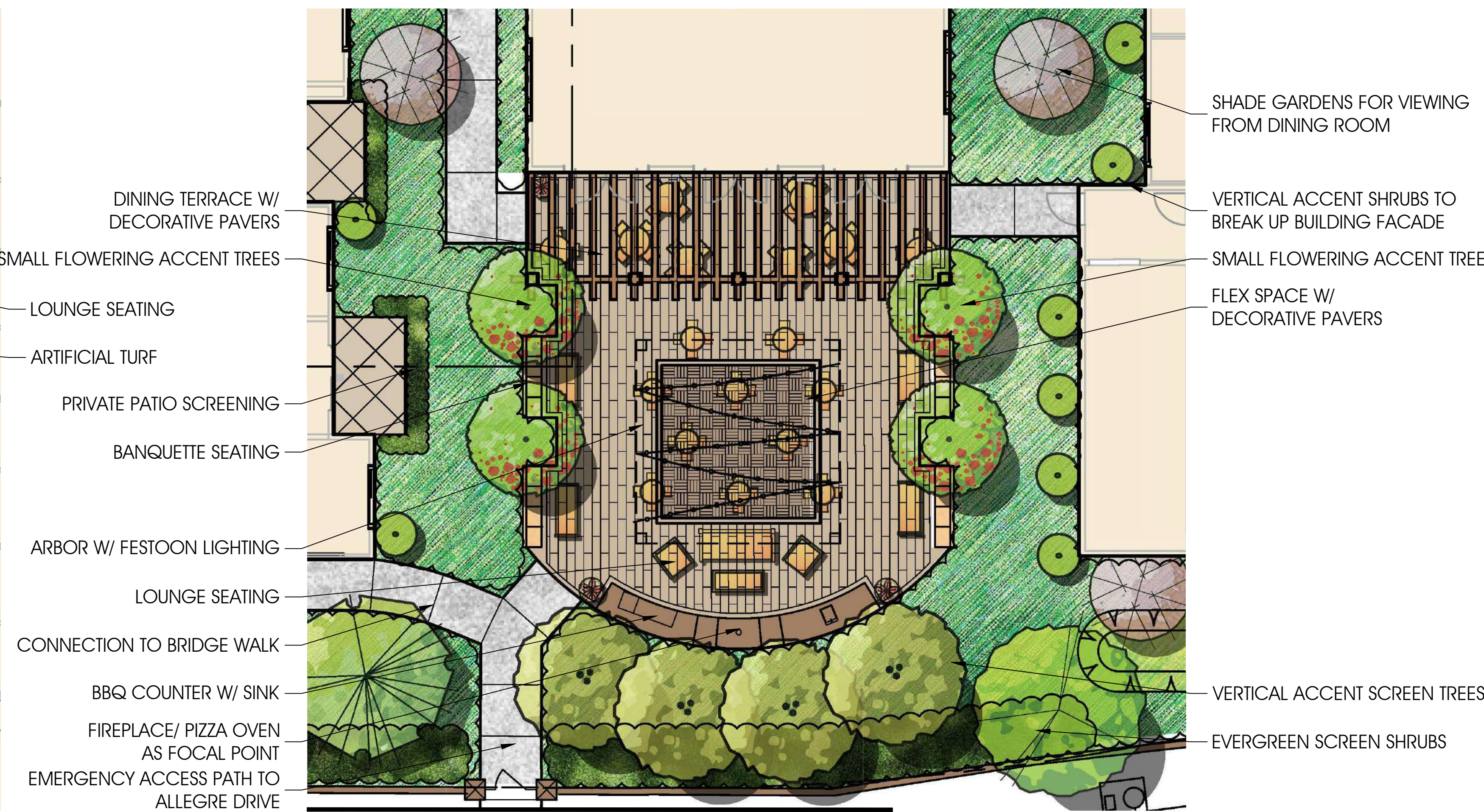




ASSISTED LIVING COURTYARD



MEMORY CARE COURTYARD



ASSISTED LIVING DINING TERRACE

