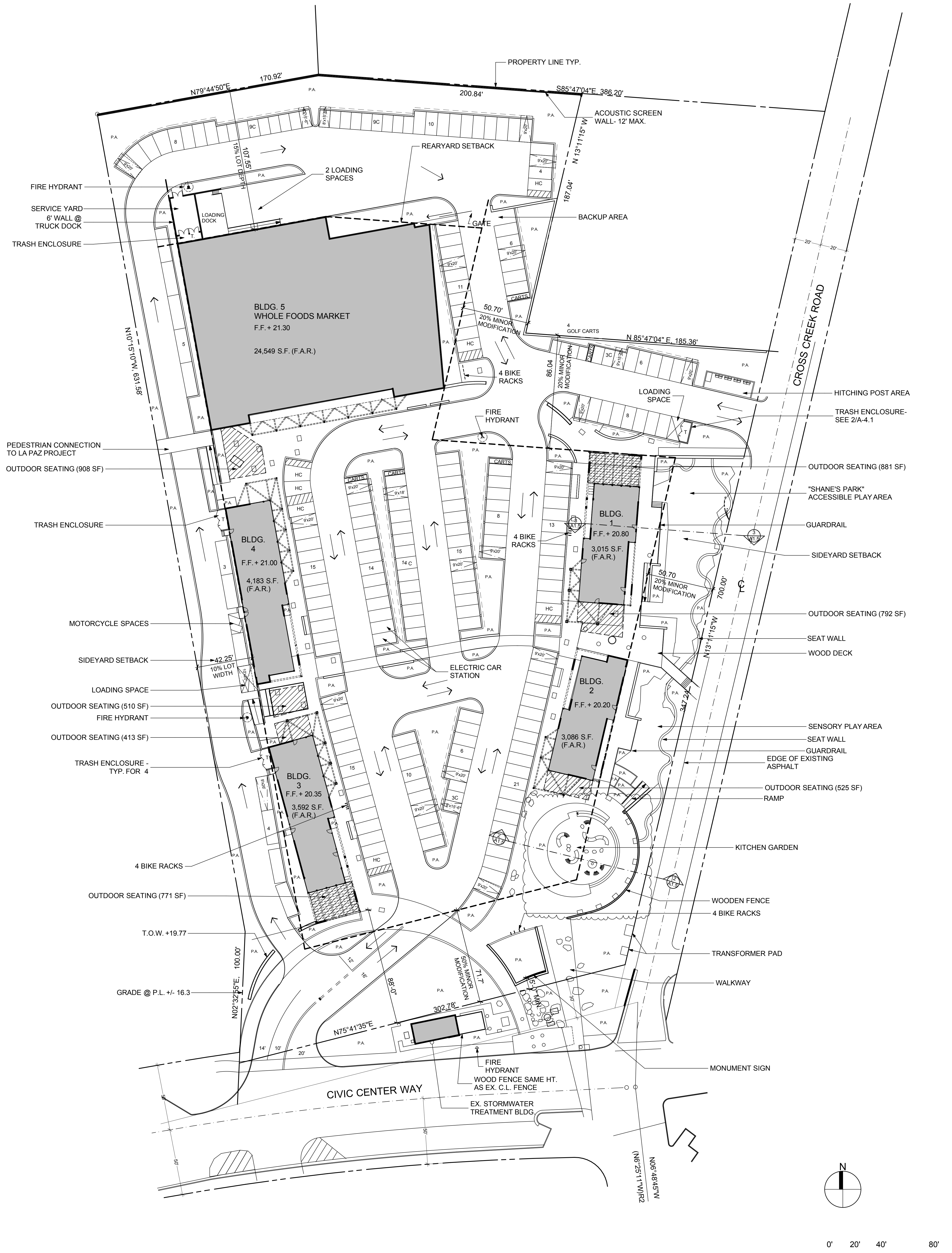
PROPERTY LINE TYP.
N79°44'50"E 170.92'
200.84'
S85°47'04"E 386.20'
ACOUSTIC SCREEN WALL- 12' MAX.
REARYARD SETBACK
2 LOADING SPACES
15% LOT DEPTH 107.55'
LOADING DOCK
N 13°11'15" W 187.04'
BACKUP AREA
FIRE HYDRANT
SERVICE YARD
6' WALL @ TRUCK DOCK
TRASH ENCLOSURE
BLDG. 5
WHOLE FOODS MARKET
F.F. + 21.30
24,549 S.F. (F.A.R.)
N10°15'10"W, 631.58'
50.70'
20% MINOR MODIFICATION
4 GOLF CARTS
N 85°47'04" E, 185.36'
86.04'
20% MINOR MODIFICATION
4 BIKE RACKS
LOADING SPACE
HITCHING POST AREA
TRASH ENCLOSURE- SEE 2/A-4.1
FIRE HYDRANT
PEDESTRIAN CONNECTION TO LA PAZ PROJECT
OUTDOOR SEATING (908 SF)
OUTDOOR SEATING (881 SF)
"SHANE'S PARK" ACCESSIBLE PLAY AREA
TRASH ENCLOSURE
GUARDRAIL
BLDG. 4
F.F. + 21.00
4,183 S.F. (F.A.R.)
BLDG. 1
F.F. + 20.80
3,015 S.F. (F.A.R.)
4 BIKE RACKS
SIDEYARD SETBACK
50.70
20% MINOR MODIFICATION
700.00'
N13°11'15"W
OUTDOOR SEATING (792 SF)
MOTORCYCLE SPACES
SEAT WALL
WOOD DECK
SIDEYARD SETBACK
42.25'
10% LOT WIDTH
ELECTRIC CAR STATION
BLDG. 2
F.F. + 20.20
3,086 S.F. (F.A.R.)
347.24'
LOADING SPACE
OUTDOOR SEATING (510 SF)
FIRE HYDRANT
OUTDOOR SEATING (413 SF)
SENSORY PLAY AREA
SEAT WALL
GUARDRAIL
EDGE OF EXISTING ASPHALT
TRASH ENCLOSURE - TYP. FOR 4
BLDG. 3
F.F. + 20.35
3,592 S.F. (F.A.R.)
OUTDOOR SEATING (525 SF)
RAMP
CROSS CREEK ROAD
KITCHEN GARDEN
4 BIKE RACKS
OUTDOOR SEATING (771 SF)
WOODEN FENCE
4 BIKE RACKS
T.O.W. +19.77
TRANSFORMER PAD
WALKWAY
N02°32'55"E, 100.00'
GRADE @ P.L. +/- 16.3
88.0'
50% MINOR MODIFICATION
N75°41'35"E
302.28'
MONUMENT SIGN
FIRE HYDRANT
WOOD FENCE SAME HT. AS EX. C.L. FENCE
EX. STORMWATER TREATMENT BLDG.
CIVIC CENTER WAY
N06°48'45"W
N
0' 20' 40' 80'

SEE A1.4 & A1.5 FOR ENLARGED SITE PLAN

SITE PLAN 1"=40'

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A 1.1.2 SETBACK DIAGRAM
A 1.2 WALL SITE PLAN & ELS.
A 1.3 FIRE DEPARTMENT ACCESS DIAGRAM
A 1.4 PARTIAL SITE PLAN
A 1.5 PARTIAL SITE PLAN & SITE SECTIONS
S1 SURVEY
A 2.1 BUILDING 1 PLAN/ELEVATIONS/SECTIONS
A 2.2 BUILDING 2 PLAN/ELEVATIONS/SECTIONS
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2 GRADING & DRAINAGE PLAN
3 GRADING & DRAINAGE DETAILS

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L1.0 HYDROZONE PLAN
L1.1 HYDROZONE PLAN
L2.0 EXISTING VEGETATION PLAN
L3.0 PLANTING PLAN
L3.1 PLANTING PLAN
L3.2 PLANTING LEGEND
L4.0 FUEL MODIFICATION ZONE PLAN
L5.0 SOIL PREPARATION SPECIFICATIONS
L6.0 IRRIGATION PLAN
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L6.2 IRRIGATION LEGENDS/WATER BUDGET CALCULATIONS
L6.3 IRRIGATION DETAILS
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LT-1.1 PHOTOMETRIC PLAN
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LT-3.0 BLDG. 2 LIGHTING PLAN & ELEVATIONS
LT-4.0 BLDG. 3 LIGHTING PLAN & ELEVATIONS
LT-5.0 BLDG. 4 LIGHTING PLAN & ELEVATIONS
LT-6.0 BLDG. 5 LIGHTING PLAN
LT-6.1 BLDG. 5 LIGHTING PLAN

CONSULTANTS

PROJECT COORDINATOR	Marny Randall 909 Euclid St. #6 Santa Monica CA 90403 310. 395. 2615 p.
SURVEYOR	M & M & Co. 16145 Roscoe Blvd. North Hills CA 91343 818. 891. 9100 p. 818. 891. 9115 f. Michael Amoroso
CIVIL ENGINEER	P.C.C.E. Inc. 23801 Calabasas Rd. #1020 Calabasas CA 91301 818. 568. 5251 p. 818. 591. 8639 f. Stephen Smith, P.E.
LANDSCAPE ARCHITECT	ValleyCrest 24151 Ventura Blvd. Calabasas CA 91302 818. 737. 3169 p. 818. 225. 2338 f. www.valleycrest.com Michael Braden
LIGHTING	LightVision 14730 Sutton St. Sherman Oaks CA 91403 310. 963. 0700 p. Allan Leibow
SOILS & GEOLOGY	GeoConcepts, Inc. 14428 Hamlin St. #200 Van Nuys CA 91401 818. 994. 8895 p. 818. 225. 2338 f. www.GeoConceptsinc.com Scott Walter GE
ARCHEOLOGY	H.E.A.R.T. 8701 Lava Place West Hills CA 91304 818. 340. 6676 p. 818. 340. 6676 f. Robert Wlodarski
BIOLOGY	Rachel Tierney P.O. Box 1113 Santa Barbara CA 93102 805. 957. 1100 p.
TRAFFIC STUDY	Overland Traffic Consultants, Inc. 27201 Turney Rd,. #206 Santa Clarita CA 91355 661. 799. 8423 p. 661. 799. 8456 f. Jerry Overland
ACOUSTICS (Noise Impact Study)	Schaffer Acoustics, Inc. 869 Via de La Paz Ste. D Pacific Palisades, CA 90272 310. 459. 6463 p. Mark Schaffer, P.E.

PROJECT STATISTICS

SITE ADDRESS :		23401 CIVIC CENTER WAY MALIBU CA 90265
APN (PARCEL 1) :		4458-022-001
APN (PARCEL 2) :		4458-022-022
OWNER :		DB MALIBU HOLDCO LLC C/0 SOBOROFF PARTNERS 1101 MONTANA AVENUE SANTA MONICA CA 90403
LAND USE ZONE :		CV-1
PARCEL 1 AREA :		101,478 S.F.
PARCEL 2 AREA :		154,690 S.F.
TOTAL SITE AREA :		256,168 S.F. (5.88 ACRES)
OPEN SPACE AREA REQUIRED : (25% OF SITE AREA)		64,042 S.F.
OPEN SPACE AREA PROPOSED : (OF WHICH 17,443 SF IS PLANTED) *AREA UNDER CAR OVERHANG IS NOT INCLUDED*		64,042 S.F.
LANDSCAPE AREA REQUIRED : (40% OF SITE AREA)		102,467 S.F.
LANDSCAPE AREA PROPOSED : (40.3% OF SITE AREA) *AREA UNDER CAR OVERHANG IS NOT INCLUDED*		103,341 S.F.
LANDSCAPE AREA BREAKDOWN :		
ON-GRADE LANDSCAPE : (12.8% OF SITE AREA)	32,849 S.F.	
TREE CANOPY AREA OUTSIDE LANDSCAPE PLANTERS OR OPEN SPACE : (18.9% OF SITE AREA)	48,492 S.F.	
GREENWALLS : (8.6% OF SITE AREA)	22,000 S.F.	
OFFSITE LANDSCAPE : *IN PUBLIC RIGHT OF WAY. SEE 2/A1.1*		4,514 S.F.
PERMEABLE SURFACE UNDER CAR OVERHANG : *NOT INCLUDED IN OPEN SPACE OR LANDSCAPE AREAS*		2,492 S.F.
EXISTING IMPERMEABLE SURFACE : (10% OF SITE AREA)		24,807 S.F.
PROPOSED IMPERMEABLE SURFACE : (78.4% OF SITE AREA)		200,822 S.F.

SETBACKS :

REQUIRED FRONT YARD SETBACK :	143.4' (20% OF LOT DEPTH- LOT DEPTH =717.00')
PROPOSED FRONT YARD SETBACK :	88.0' (MINOR MOD. REQ'D.)
REQUIRED SIDE YARD SETBACK : (EAST)	63.37' (15% OF LOT WIDTH- LOT WIDTH =422.46')
PROPOSED SIDE YARD SETBACK : (EAST)	50.70' (20% MINOR MOD. REQ'D.)
REQUIRED SIDE YARD SETBACK : (WEST)	42.25' (10% OF LOT WIDTH)
PROPOSED SIDE YARD SETBACK : (WEST)	42.25' (10% OF LOT WIDTH)
REQUIRED REAR YARD SETBACK :	107.55' (15% OF LOT DEPTH)
PROPOSED REAR YARD SETBACK :	86.04' (20% MINOR MOD. REQ'D.)

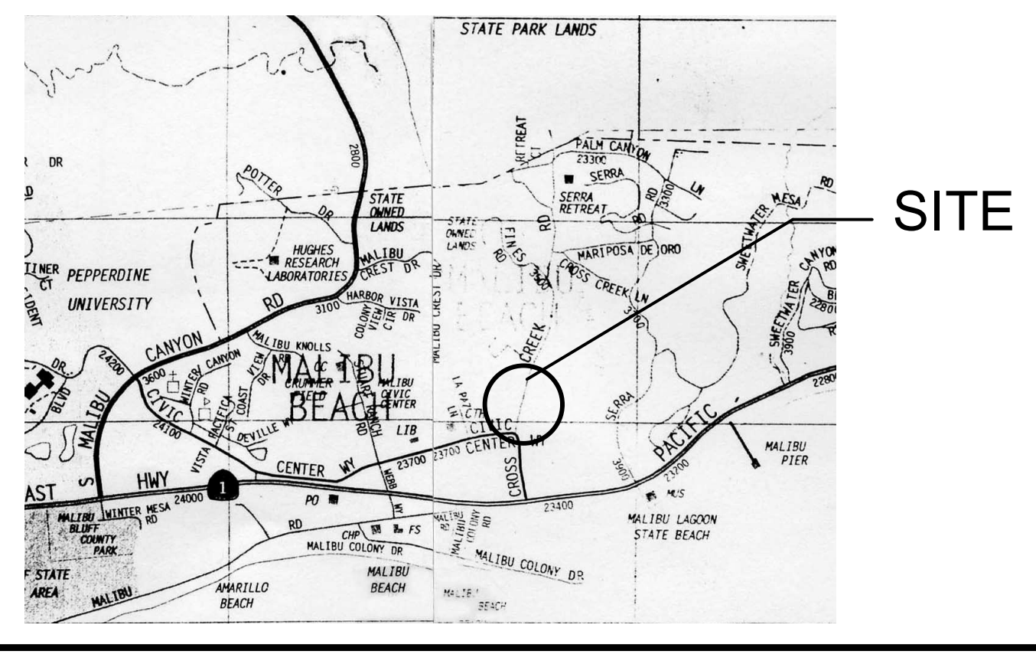
GROSS FLOOR AREA ALLOWED (.15 F.A.R.) : (.15 X 256,168 S.F.)	**38,425 S.F.**
GROSS FLOOR AREA PROPOSED :	38,425 S.F.
GROSS FLOOR AREA BREAKDOWN :	
MARKET :	24,549 S.F.
RETAIL & FOOD SERVICES :	
BUILDING 1 :	3,015 S.F.
BUILDING 2 :	3,086 S.F.
BUILDING 3 :	3,592 S.F.
BUILDING 4 :	4,183 S.F.
TOTAL :	**38,425 S.F.**
OUTDOOR SEATING : (NOT APPLIED TO F.A.R.)	4,800 S.F.

BUILDING HEIGHTS FROM EX. GRADE :

MARKET :	24'-0" FLAT ROOF 28'-0" SLOPED ROOF
BUILDING 1 :	19'-11" FLAT ROOF 28'-0" SLOPED ROOF
BUILDING 2 :	20'-1" FLAT ROOF 28'-0" SLOPED ROOF
BUILDING 3 :	20'-6" FLAT ROOF 28'-0" SLOPED ROOF
BUILDING 4 :	19'-11" FLAT ROOF 28'-0" SLOPED ROOF

PARKING REQUIRED : (5 STALLS/1,000 S.F.) (38,425 S.F. + 4,800 S.F.= 43,225 S.F. 43.225 X 5 = 216.13 STALLS)	**217 STALLS**	
PARKING PROPOSED :	182 STANDARD STALLS (MIN.9'x20') 38 COMPACT STALLS (MIN. 8'x15'-6") (17% OF TOTAL)	
TOTAL PROPOSED PARKING :	**220 STALLS**	
ACCESSIBLE STALLS :	7	
ELECTRIC VEHICLE CHARGING STATIONS :	2	
LOADING SPACES :	4	(INCL. MARKET LOADING DOCK)
MOTORCYCLE STALLS :	2	
GOLF CART STALLS :	4	
BIKE RACKS:	16 BIKES	

VICINITY MAP


STATE PARK LANDS
PEPPERDINE UNIVERSITY
MALIBU BEACH
SITE

GOLDMAN FIRTH ROSSI
A R C H I T E C T S

24955 PACIFIC COAST HIGHWAY
SUITE A202 MALIBU CA 90265
310. 456. 1831 FAX.310. 456. 7690
WWW.GFARCHITECTS.COM

NO.	DATE	REVISION
1	------	-------

NO.	DATE	
1	05.05.10	PLANNING
2	09.20.10	PLANNING REVISION
3	04.28.11	PLANNING REVISION
4	02.21.12	PLANNING REVISION
5	03.04.13	PLANNING REVISION
6	04.08.13	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
in the park

JOB ADDRESS :

23401 CIVIC CENTER WAY
MALIBU CA 90265

DRAWING TITLE :

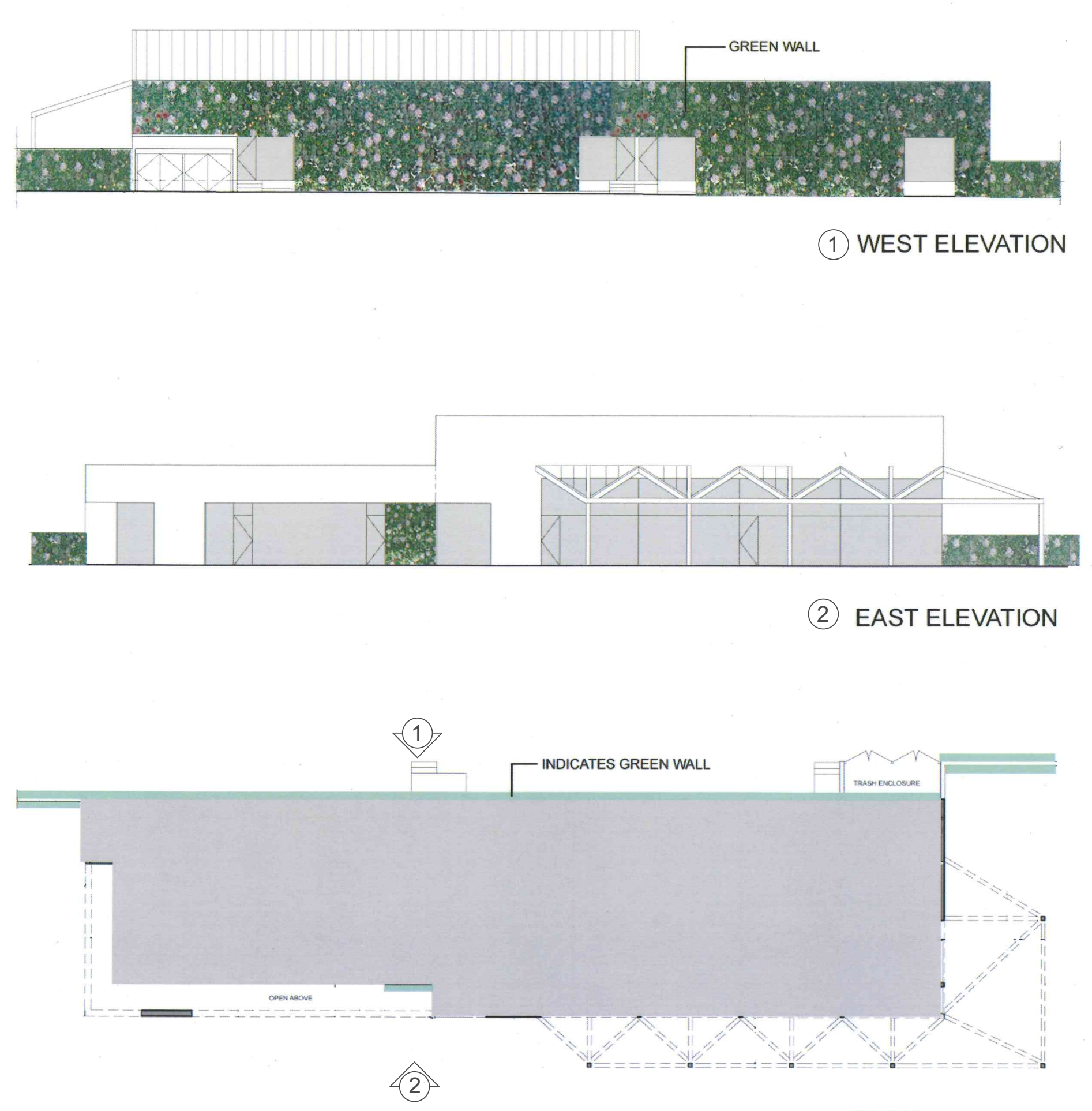
PROJECT INFO
SITE PLAN

DATE : 12.08.14
SCALE : 1" = 40'-0"

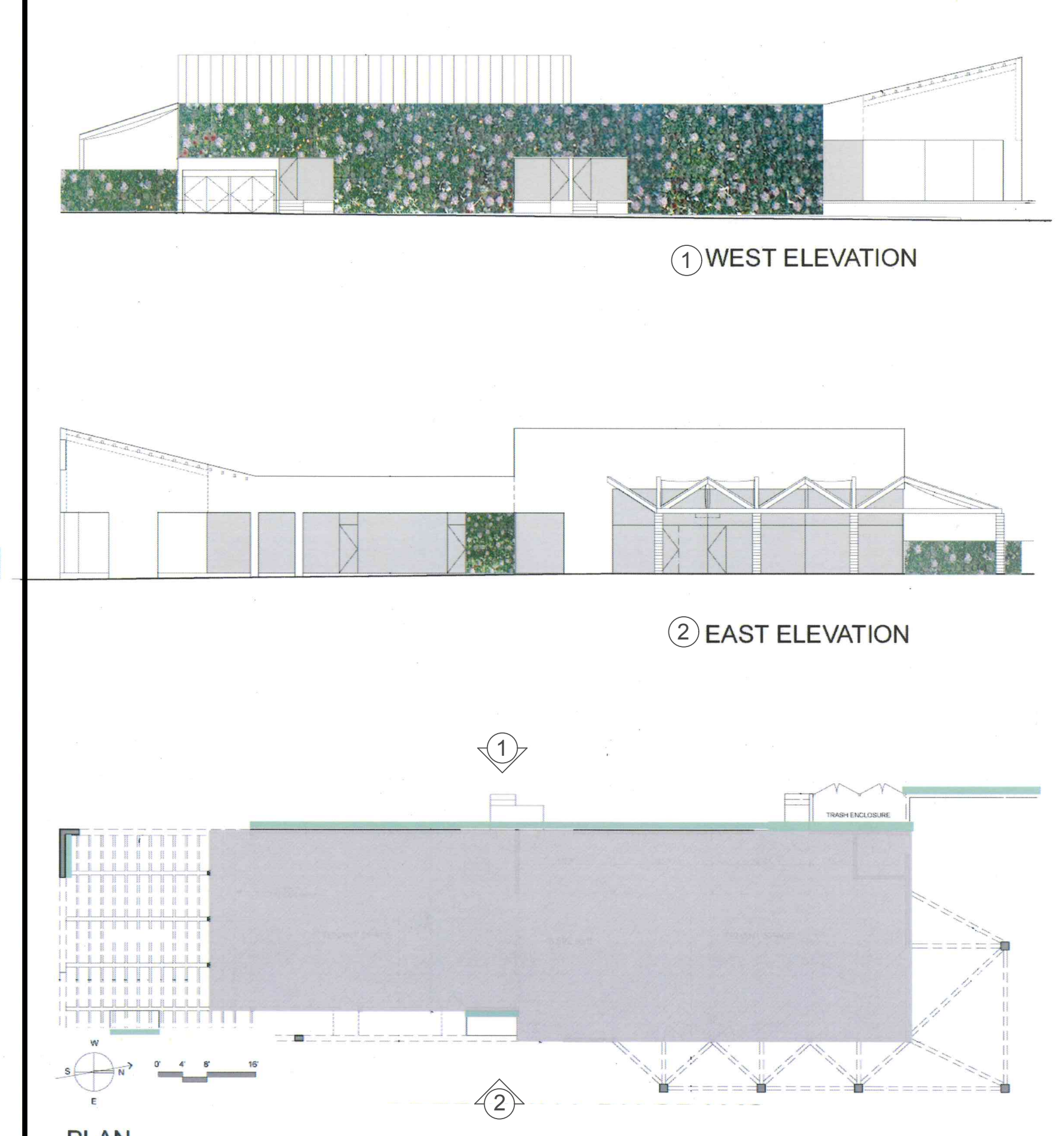
DRAWING NO.:

A-1.0

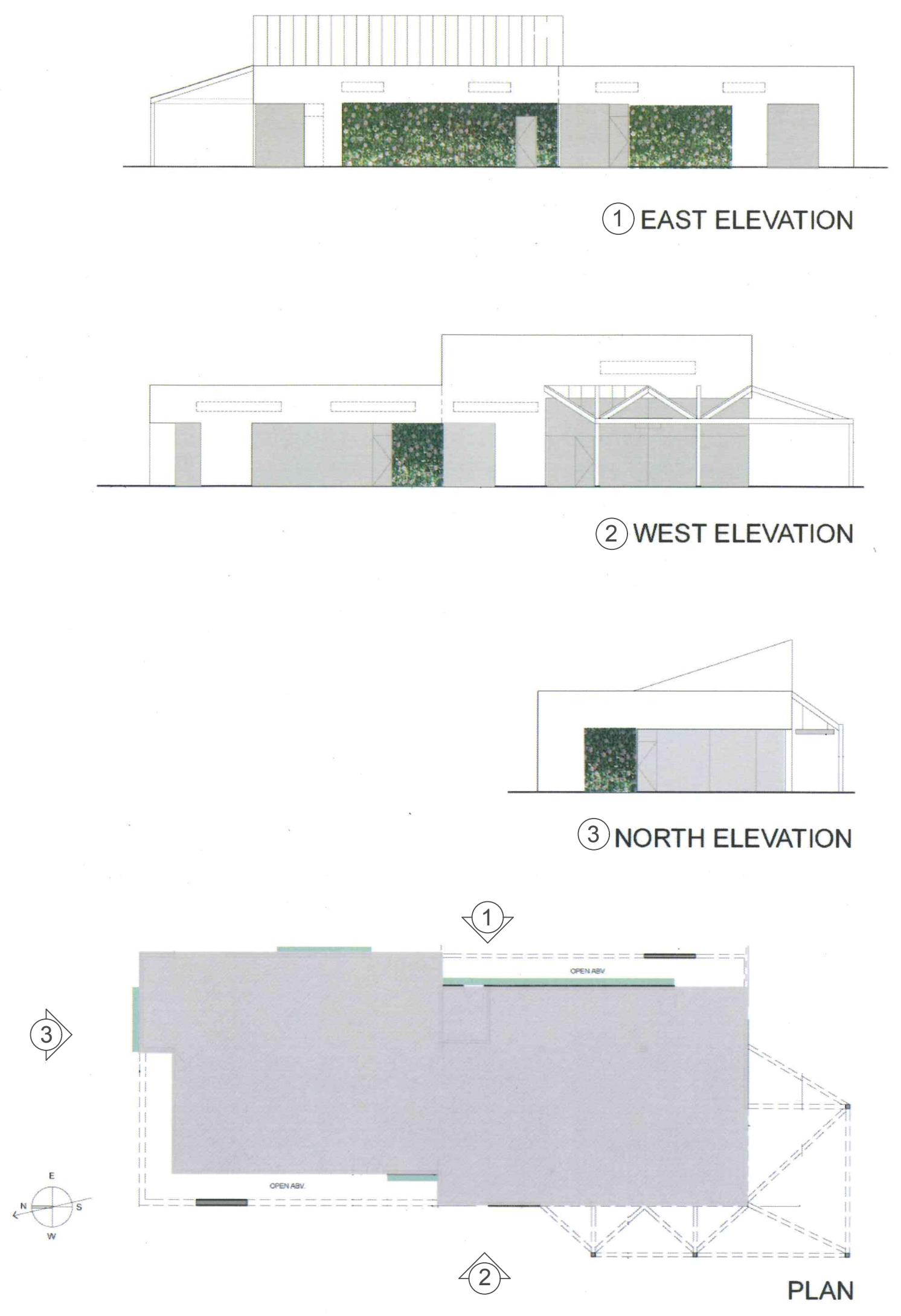
REVISION NO.


GREEN WALL
① WEST ELEVATION
② EAST ELEVATION
①
INDICATES GREEN WALL
TRASH ENCLOSURE
②
PLAN

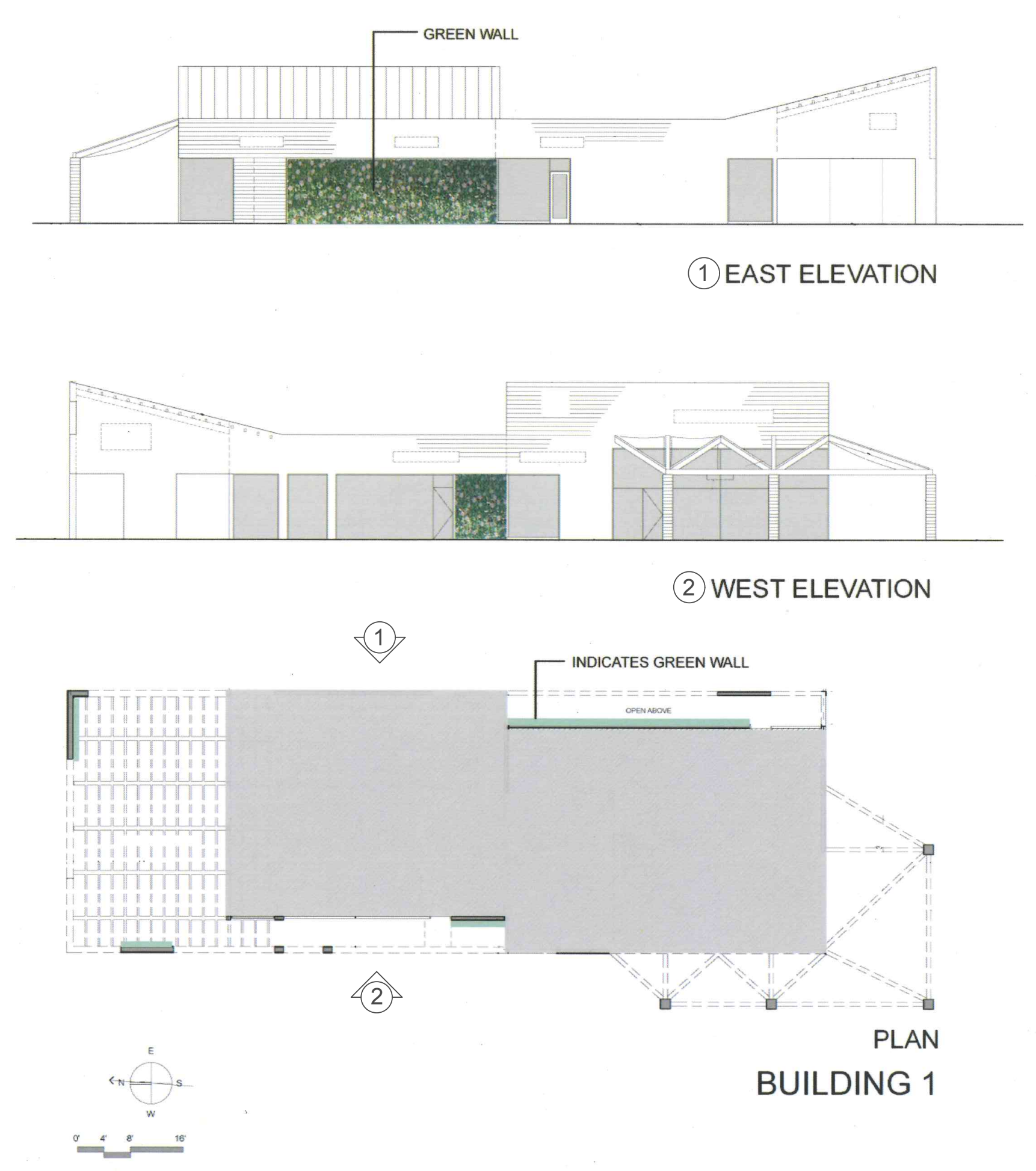
BUILDING 4


① WEST ELEVATION
② EAST ELEVATION
①
TRASH ENCLOSURE
②
PLAN

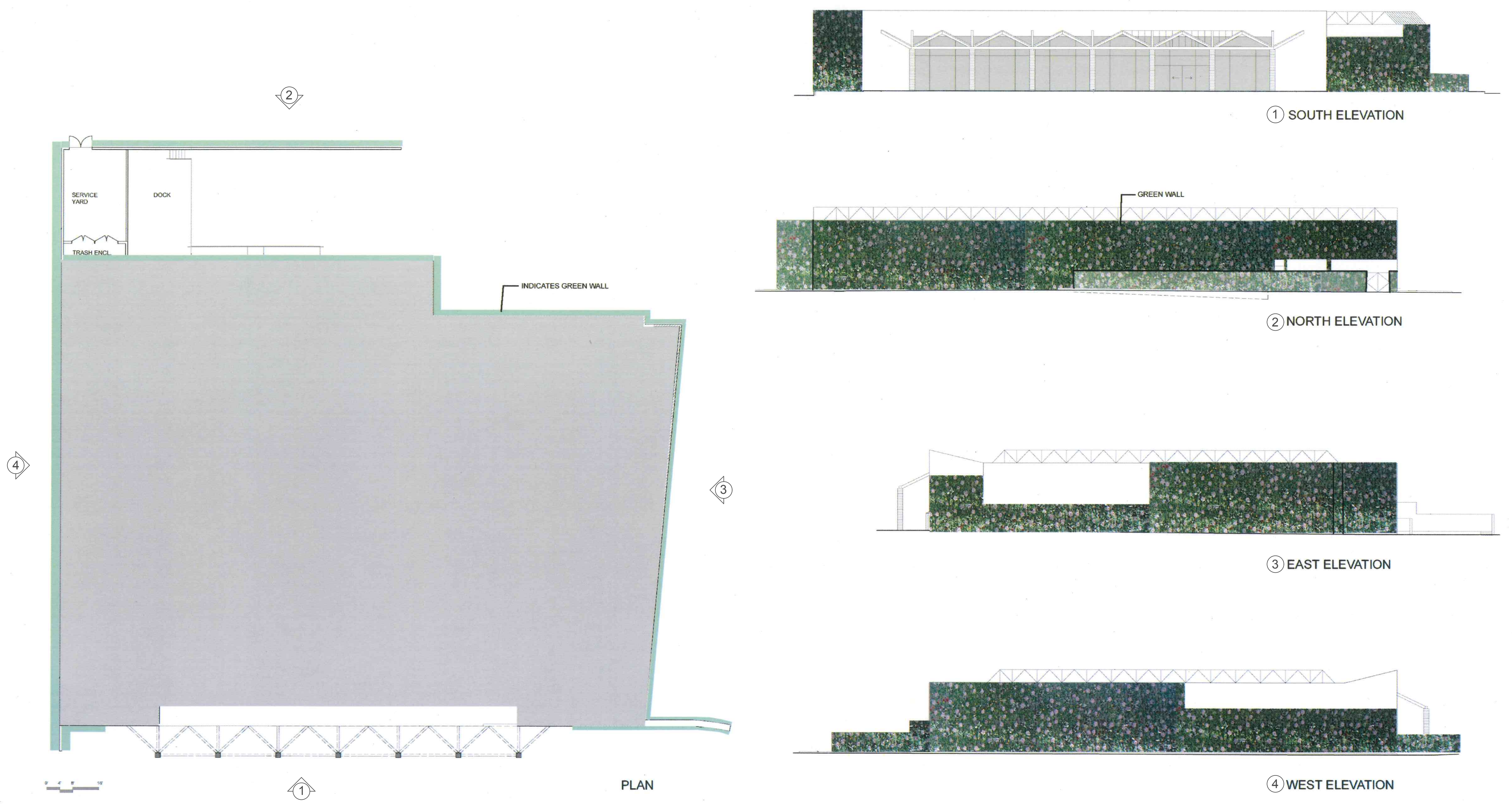
BUILDING 3


① EAST ELEVATION
② WEST ELEVATION
③ NORTH ELEVATION
①
③
②
PLAN

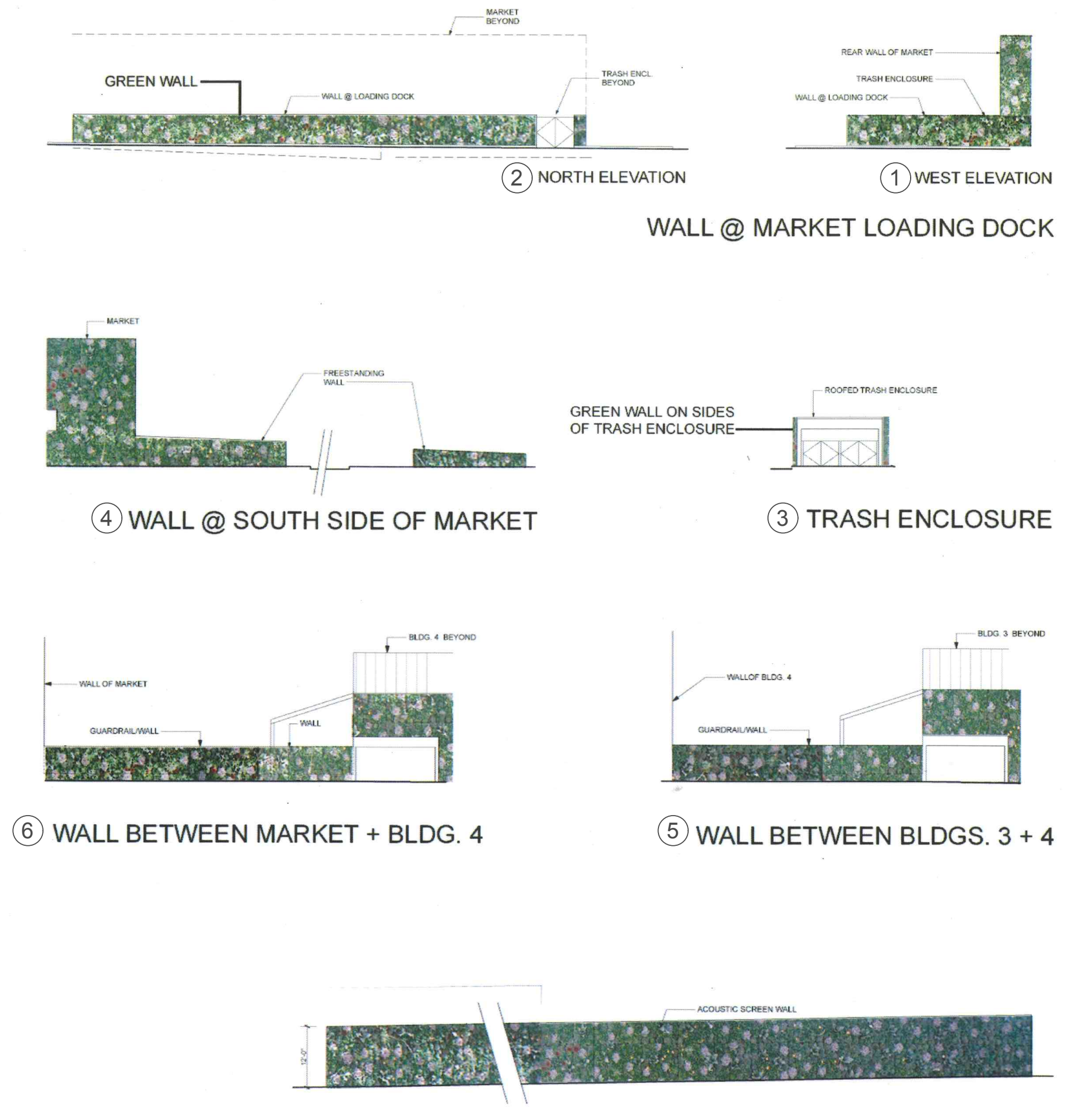
BUILDING 2


GREEN WALL
① EAST ELEVATION
② WEST ELEVATION
①
INDICATES GREEN WALL
②
PLAN

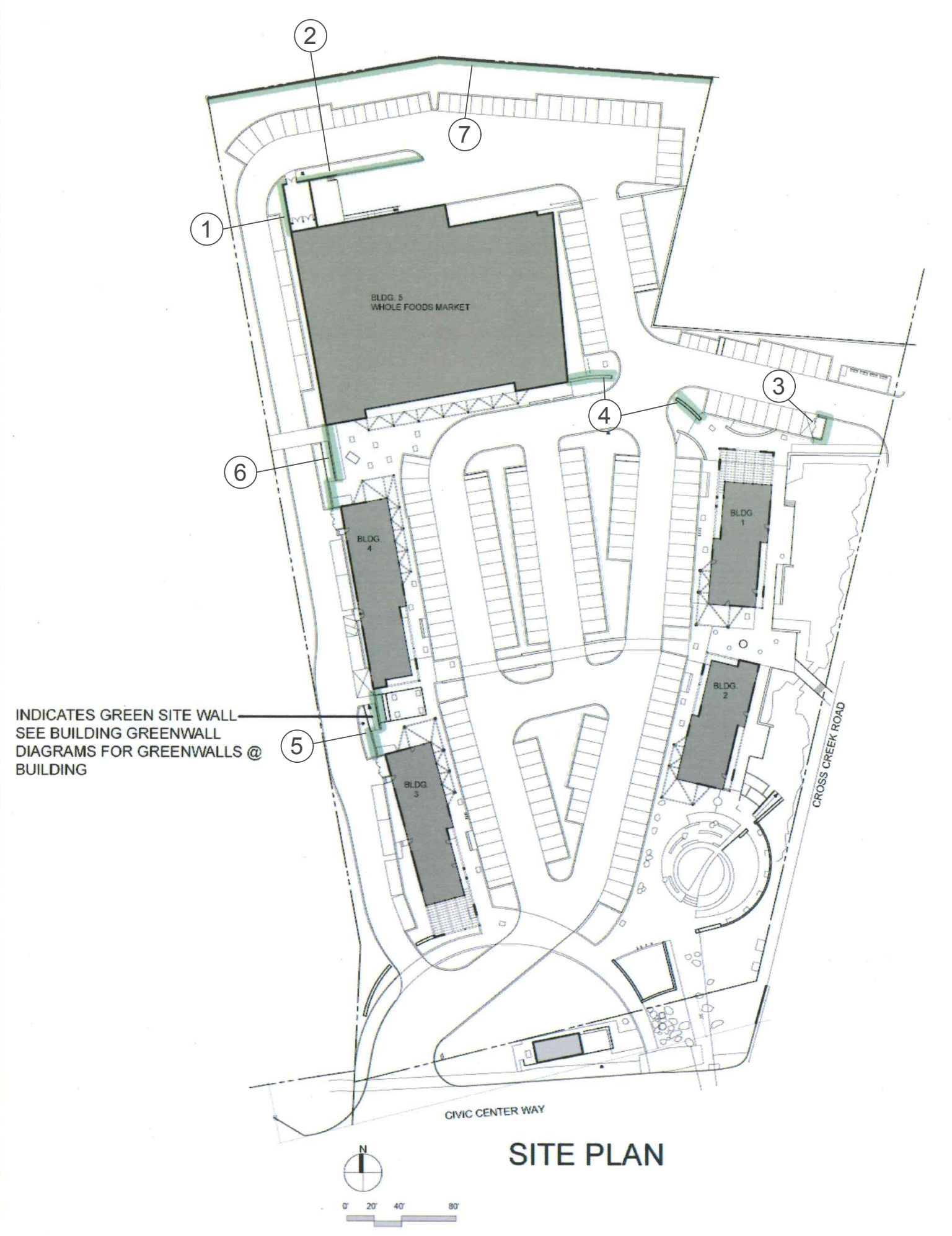
BUILDING 1


②
SERVICE YARD
DOCK
TRASH ENCL.
INDICATES GREEN WALL
④
③
①
PLAN
① SOUTH ELEVATION
GREEN WALL
② NORTH ELEVATION
③ EAST ELEVATION
④ WEST ELEVATION

GREEN WALL DIAGRAMS
BUILDING 5


MARKET BEYOND
GREEN WALL
WALL @ LOADING DOCK
TRASH ENCL. BEYOND
② NORTH ELEVATION
REAR WALL OF MARKET
TRASH ENCLOSURE
WALL @ LOADING DOCK
① WEST ELEVATION
WALL @ MARKET LOADING DOCK
MARKET
FREESTANDING WALL
④ WALL @ SOUTH SIDE OF MARKET
GREEN WALL ON SIDES OF TRASH ENCLOSURE
ROOFED TRASH ENCLOSURE
③ TRASH ENCLOSURE
BLDG. 4 BEYOND
WALL OF MARKET
GUARDRAIL/WALL
WALL
⑥ WALL BETWEEN MARKET + BLDG. 4
BLDG. 3 BEYOND
WALLOF BLDG. 4
GUARDRAIL/WALL
⑤ WALL BETWEEN BLDGS. 3 + 4
ACOUSTIC SCREEN WALL
12'-0"
⑦ ACOUSTIC WALL

SITE WALL ELEVATIONS


②
⑦
①
BLDG. 5
WHOLE FOODS MARKET
④
③
⑥
BLDG. 4
BLDG. 1
BLDG. 2
BLDG. 3
INDICATES GREEN SITE WALL
SEE BUILDING GREENWALL
DIAGRAMS FOR GREENWALLS @
BUILDING
⑤
CROSS CREEK ROAD
CIVIC CENTER WAY
N
0' 20' 40' 80'

SITE PLAN

GOLDMAN FIRTH ROSSI
ARCHITECTS

24955 PACIFIC COAST HIGHWAY
SUITE A202 MALIBU CA 90265
310. 456. 1831 FAX.310. 456. 7690
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NO.	DATE	REVISION
1	-------	--------

NO.	DATE	ISSUED
1	XX.XX.XX	PLANNING
2		

STAMP :

JOB TITLE :

WHOLE FOODS
in the park

JOB ADDRESS :
23401 CIVIC CENTER WAY
MALIBU CA 90265

DRAWING TITLE :

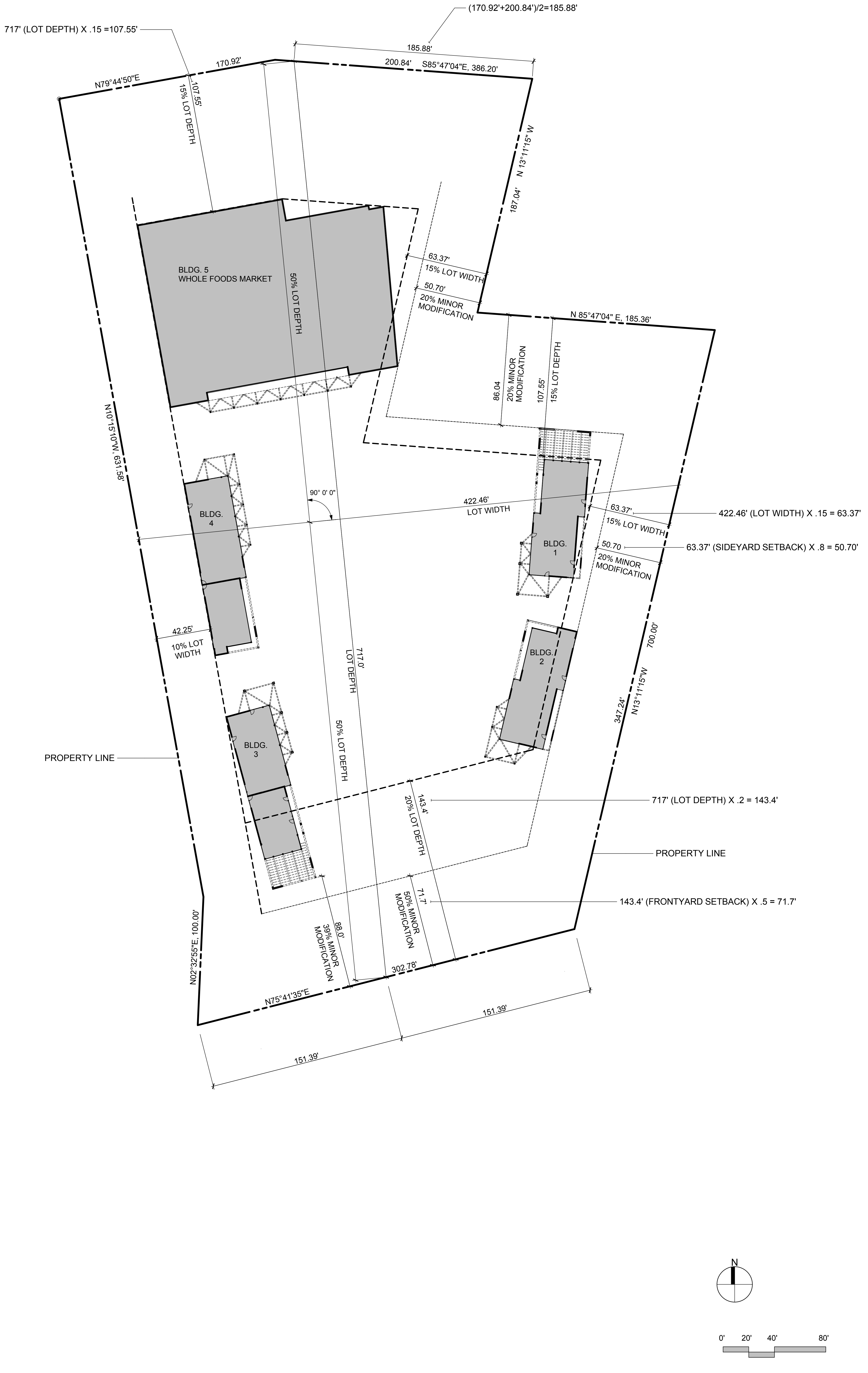
GREENWALL
PLANS &
ELEVATIONS

DATE : 12.04.14
SCALE : NO SCALE

DRAWING NO.:

A-1.1.1

REVISION NO.


717' (LOT DEPTH) X .15 =107.55'
(170.92'+200.84')/2=185.88'
185.88'
170.92'
200.84'
S85°47'04"E, 386.20'
N79°44'50"E
107.55'
15% LOT DEPTH
N 13°11'15" W
187.04'
BLDG. 5
WHOLE FOODS MARKET
50% LOT DEPTH
63.37'
15% LOT WIDTH
50.70'
20% MINOR MODIFICATION
N 85°47'04" E, 185.36'
86.04
20% MINOR MODIFICATION
107.55'
15% LOT DEPTH
N10°15'10"W, 631.58'
90° 0' 0"
422.46'
LOT WIDTH
BLDG. 4
BLDG. 1
63.37'
15% LOT WIDTH
422.46' (LOT WIDTH) X .15 = 63.37'
50.70
20% MINOR MODIFICATION
63.37' (SIDEYARD SETBACK) X .8 = 50.70'
42.25'
10% LOT WIDTH
717.0'
LOT DEPTH
BLDG. 2
700.00'
347.24'
N13°11'15"W
BLDG. 3
50% LOT DEPTH
PROPERTY LINE
143.4'
20% LOT DEPTH
717' (LOT DEPTH) X .2 = 143.4'
PROPERTY LINE
71.7'
50% MINOR MODIFICATION
143.4' (FRONTYARD SETBACK) X .5 = 71.7'
88.0'
39% MINOR MODIFICATION
N02°32'55"E, 100.00'
302.78'
N75°41'35"E
151.39'
151.39'
N
0' 20' 40' 80'

① SETBACK DIAGRAM 1"=40'

GOLDMAN
FIRTH
ROSSI
ARCHITECTS

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1	------	-------

NO.	DATE	ISSUED
1	05.05.10	PLANNING
2	09.20.10	PLANNING REVISION
3	04.28.11	PLANNING REVISION
4	02.21.12	PLANNING REVISION
6	04.08.12	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
in the park

JOB ADDRESS :

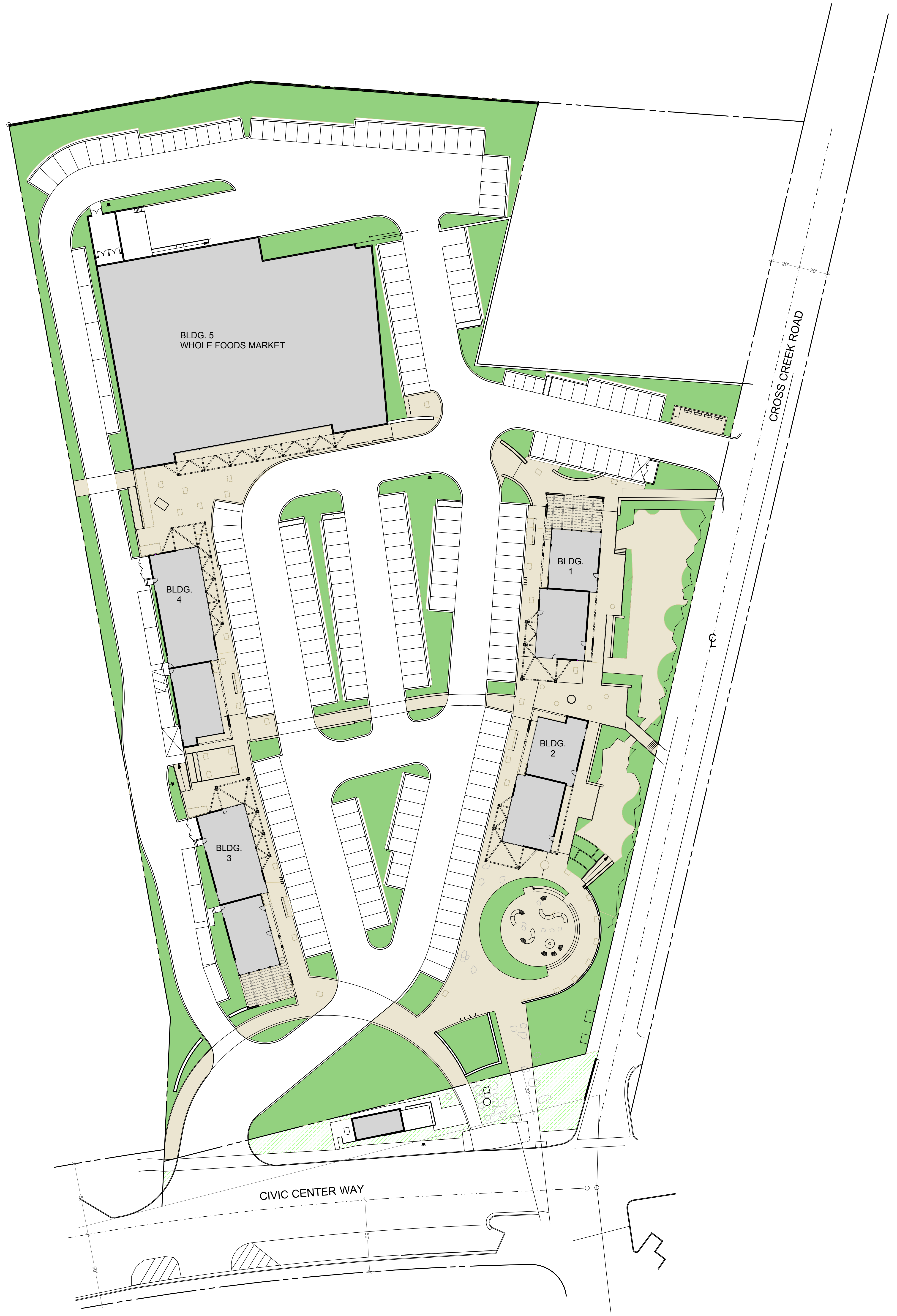
DRAWING TITLE :

SETBACK PLAN

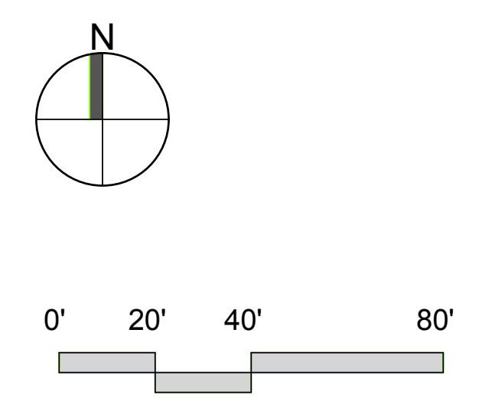
DATE : 12.02.14
SCALE : 1" = 40'-0"
DRAWING NO.:

A-1.1.2

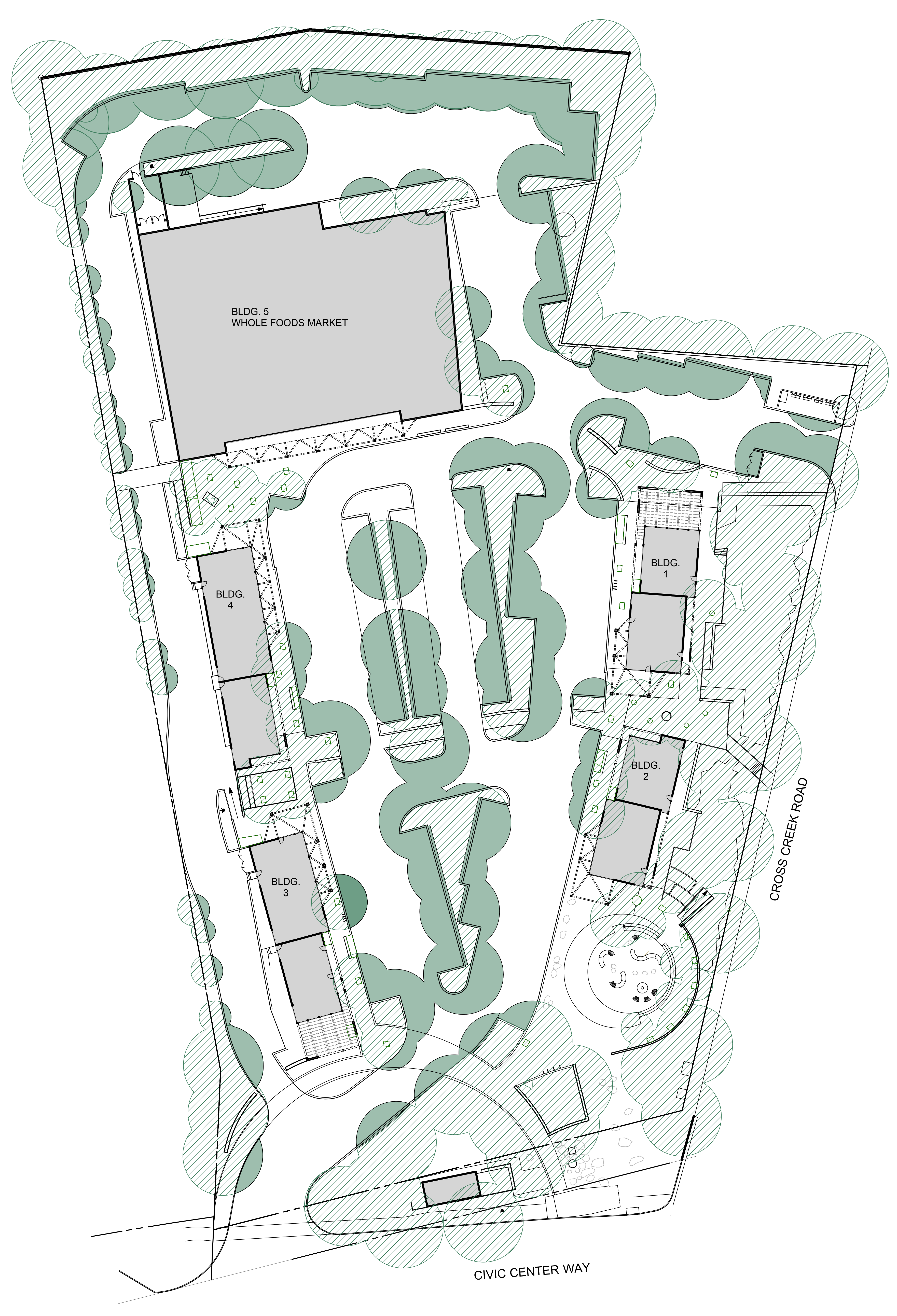
REVISION NO.


BLDG. 5
WHOLE FOODS MARKET
BLDG. 4
BLDG. 1
BLDG. 2
BLDG. 3
CROSS CREEK ROAD
CIVIC CENTER WAY
℄

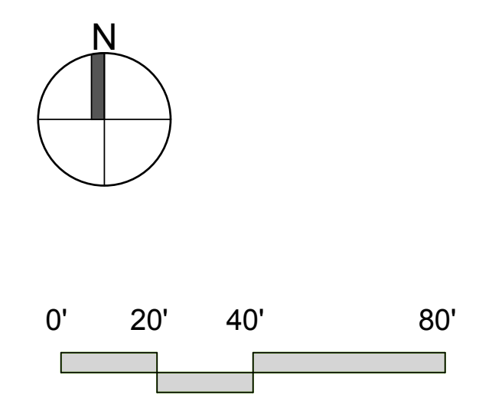
▨	**OPEN SPACE :** **25 % (64,042 SF/256,168 SF)** **(18.2% PAVEMENT, 6.8% PLANTING)**
🟩	**ON-GRADE PLANTER AREA :** **12.8 % (32,849 SF/256,168 SF)**
▨	**OFFSITE LANDSCAPE :** **4,514 SF**



② OPEN SPACE & LANDSCAPE AREA DIAGRAM 1"=40'


BLDG. 5
WHOLE FOODS MARKET
BLDG. 4
BLDG. 1
BLDG. 2
BLDG. 3
CROSS CREEK ROAD
CIVIC CENTER WAY

▨	**TREE CANOPY AREA OUTSIDE LANDSCAPE PLANTERS OR OPEN SPACE : 48,492 SF**
▨	**TREE CANOPY OVER LANDSCAPE PLANTERS OR OPEN SPACE NOT COUNTED SEPARATELY**



① TREE CANOPY DIAGRAM 1"=40'

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1	------	-------

NO.	DATE	ISSUED
1	05.05.10	PLANNING
2	09.20.10	PLANNING REV.
3	04.28.11	PLANNING REV.
4	02.21.12	PLANNING REV.
5	03.04.12	PLANNING REV.
6	04.08.13	PLANNING REV.

STAMP :

JOB TITLE :

WHOLE FOODS
in the park

JOB ADDRESS :
23401 CIVIC CENTER WAY
MALIBU CA 90265

DRAWING TITLE :

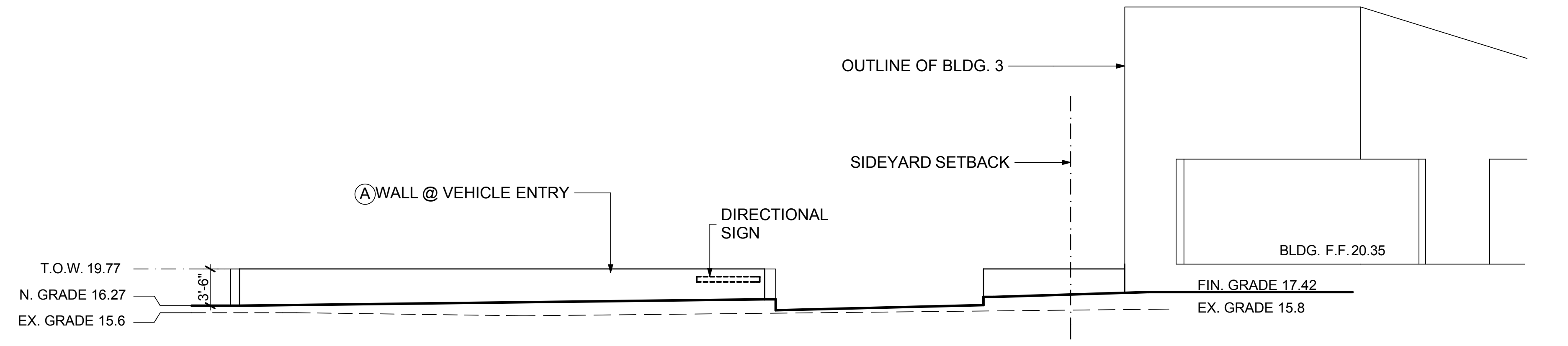
OPEN SPACE/
LANDSCAPE PLANS
TREE CANOPY
DIAGRAM

DATE : 12.05.14
SCALE : 1" = 40'-0"

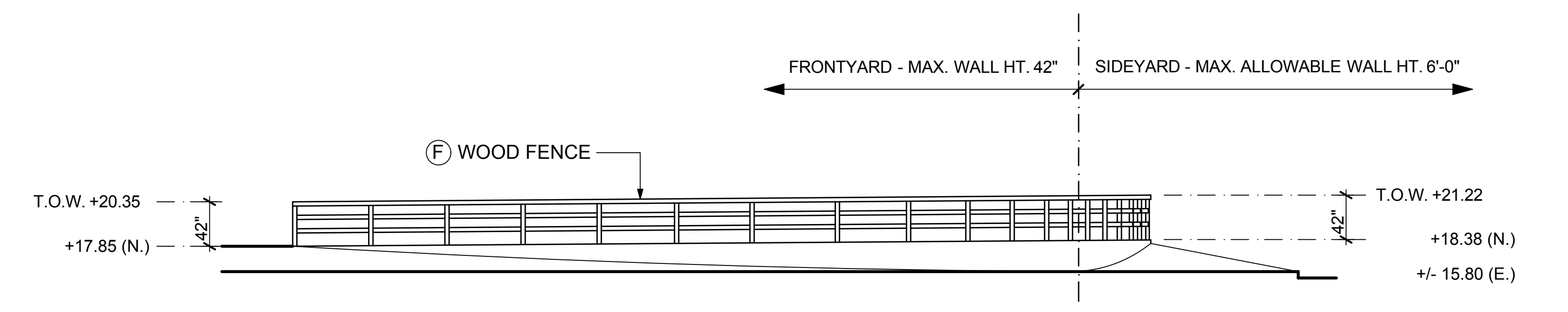
DRAWING NO.:

A-1.1

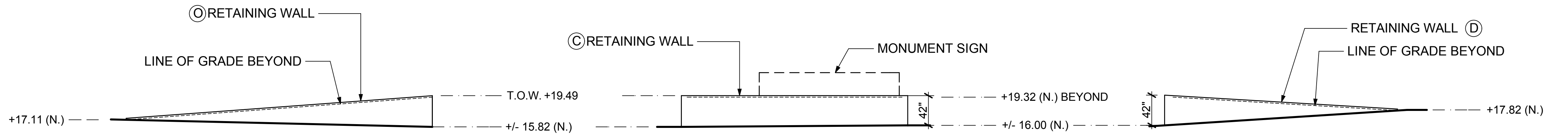
REVISION NO.


OUTLINE OF BLDG. 3
SIDEYARD SETBACK
Ⓐ WALL @ VEHICLE ENTRY
DIRECTIONAL SIGN
T.O.W. 19.77
N. GRADE 16.27
EX. GRADE 15.6
3'-6"
BLDG. F.F. 20.35
FIN. GRADE 17.42
EX. GRADE 15.8

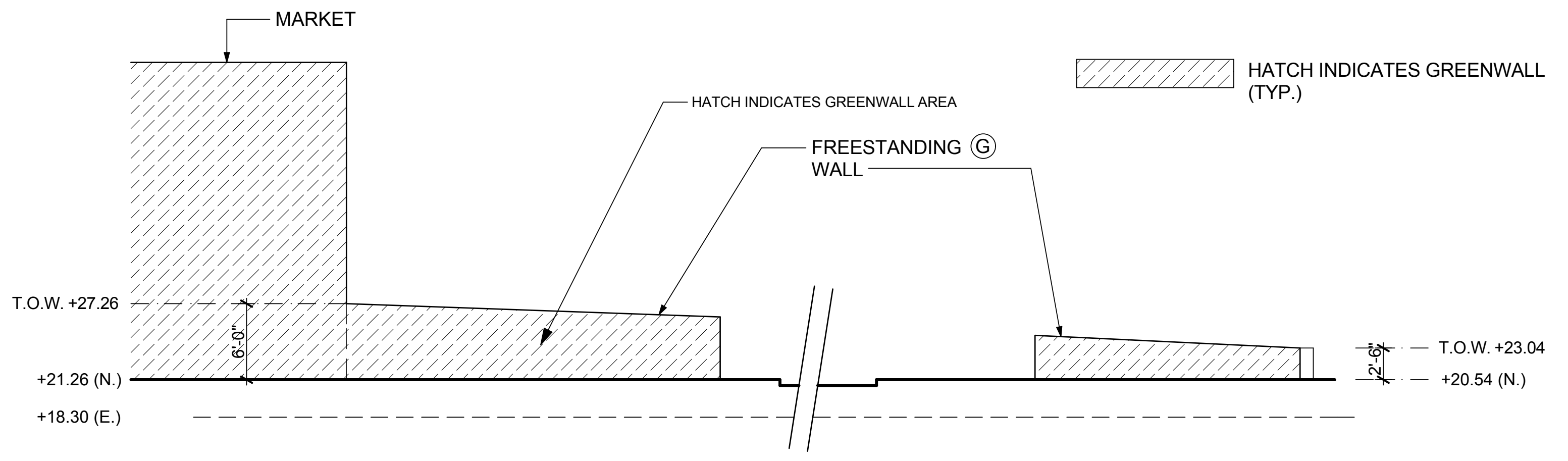
Ⓐ WALL @ VEHICLE ENTRY 1"=10'


FRONTYARD - MAX. WALL HT. 42"
SIDEYARD - MAX. ALLOWABLE WALL HT. 6'-0"
Ⓕ WOOD FENCE
T.O.W. +20.35
+17.85 (N.)
42"
T.O.W. +21.22
+18.38 (N.)
+/- 15.80 (E.)

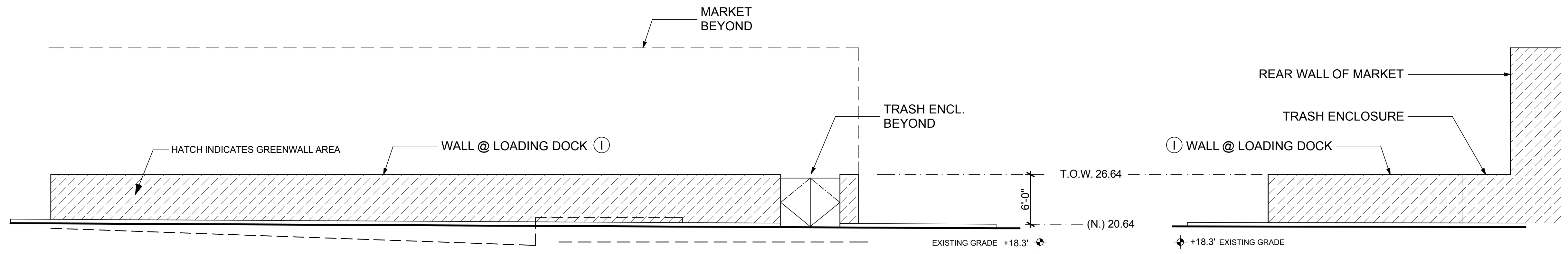
Ⓔ Ⓕ SOUTH ELEVATION @ PEDESTRIAN ENTRY 1"=10'


Ⓞ RETAINING WALL
LINE OF GRADE BEYOND
+17.11 (N.)
T.O.W. +19.49
+/- 15.82 (N.)
Ⓒ RETAINING WALL
MONUMENT SIGN
42"
+19.32 (N.) BEYOND
+/- 16.00 (N.)
RETAINING WALL Ⓓ
LINE OF GRADE BEYOND
42"
+17.82 (N.)

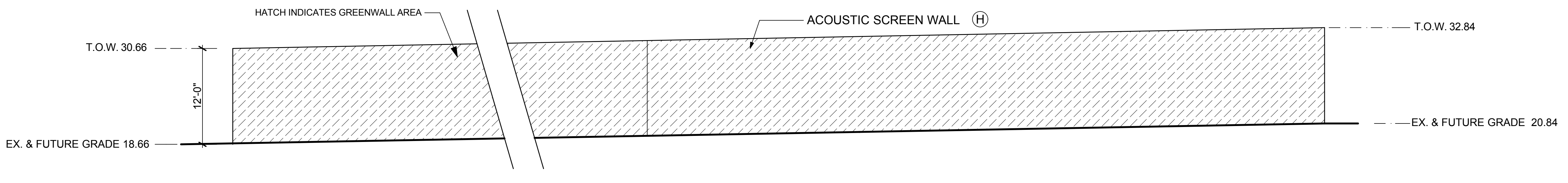
Ⓞ Ⓒ Ⓓ ELEVATIONS @ PEDESTRIAN ENTRY 1"=10'


MARKET
HATCH INDICATES GREENWALL (TYP.)
HATCH INDICATES GREENWALL AREA
FREESTANDING Ⓖ WALL
T.O.W. +27.26
6'-0"
+21.26 (N.)
+18.30 (E.)
2'-6"
T.O.W. +23.04
+20.54 (N.)

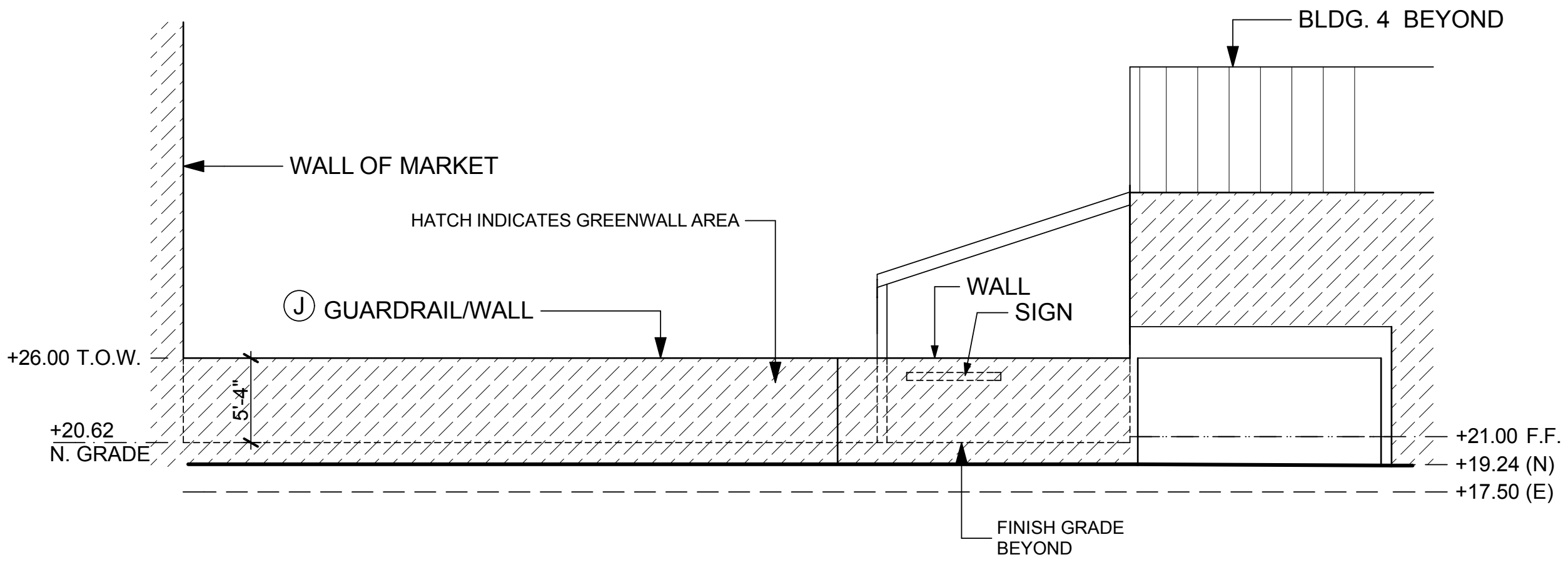
Ⓖ WALL @ SOUTH SIDE OF MARKET 1"=10'


MARKET BEYOND
TRASH ENCL. BEYOND
HATCH INDICATES GREENWALL AREA
WALL @ LOADING DOCK Ⓘ
T.O.W. 26.64
6'-0"
(N.) 20.64
EXISTING GRADE +18.3'
REAR WALL OF MARKET
TRASH ENCLOSURE
Ⓘ WALL @ LOADING DOCK
+18.3' EXISTING GRADE

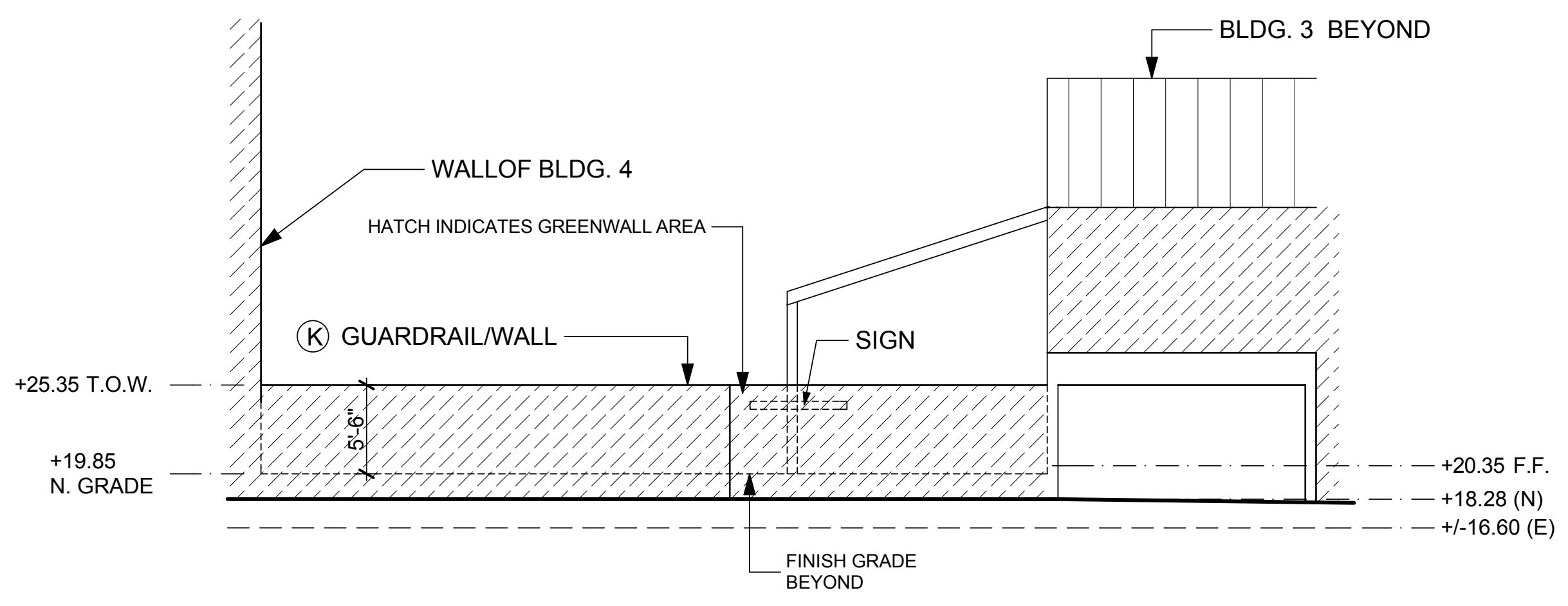
Ⓘ WALL @ LOADING DOCK 1"=10'


HATCH INDICATES GREENWALL AREA
ACOUSTIC SCREEN WALL Ⓗ
T.O.W. 30.66
12'-0"
EX. & FUTURE GRADE 18.66
T.O.W. 32.84
EX. & FUTURE GRADE 20.84

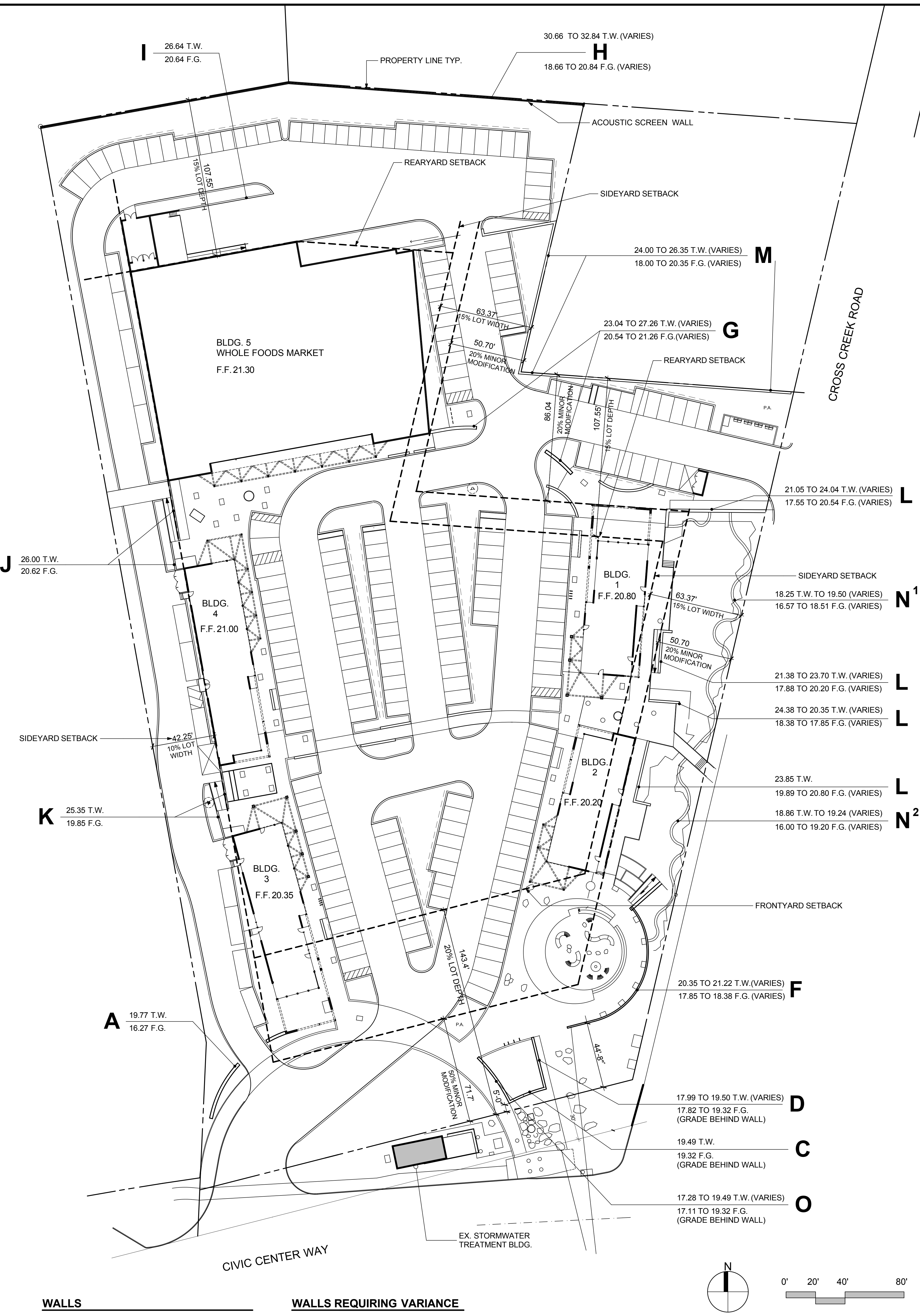
Ⓗ ACOUSTIC SCREEN WALL 1"=10'


BLDG. 4 BEYOND
WALL OF MARKET
HATCH INDICATES GREENWALL AREA
Ⓙ GUARDRAIL/WALL
WALL SIGN
+26.00 T.O.W.
5'-4"
+20.62 N. GRADE
+21.00 F.F.
+19.24 (N)
+17.50 (E)
FINISH GRADE BEYOND

Ⓙ GUARDRAIL/WALL @ BLDG. 4 1"=10'


BLDG. 3 BEYOND
WALLOF BLDG. 4
HATCH INDICATES GREENWALL AREA
Ⓚ GUARDRAIL/WALL
SIGN
+25.35 T.O.W.
5'-6"
+19.85 N. GRADE
+20.35 F.F.
+18.28 (N)
+/-16.60 (E)
FINISH GRADE BEYOND

Ⓚ GUARDRAIL/WALL @ BLDG. 3 1"=10'


I
26.64 T.W.
20.64 F.G.
PROPERTY LINE TYP.
H
30.66 TO 32.84 T.W. (VARIES)
18.66 TO 20.84 F.G. (VARIES)
ACOUSTIC SCREEN WALL
REARYARD SETBACK
SIDEYARD SETBACK
107.55' 15% LOT DEPTH
M
24.00 TO 26.35 T.W. (VARIES)
18.00 TO 20.35 F.G. (VARIES)
63.37' 15% LOT WIDTH
50.70' 20% MINOR MODIFICATION
BLDG. 5
WHOLE FOODS MARKET
F.F. 21.30
G
23.04 TO 27.26 T.W. (VARIES)
20.54 TO 21.26 F.G.(VARIES)
REARYARD SETBACK
CROSS CREEK ROAD
86.04 20% MINOR MODIFICATION
107.55' 15% LOT DEPTH
P.A.
L
21.05 TO 24.04 T.W. (VARIES)
17.55 TO 20.54 F.G. (VARIES)
J
26.00 T.W.
20.62 F.G.
BLDG. 1
F.F. 20.80
SIDEYARD SETBACK
N¹
18.25 T.W. TO 19.50 (VARIES)
16.57 TO 18.51 F.G. (VARIES)
63.37' 15% LOT WIDTH
50.70 20% MINOR MODIFICATION
BLDG. 4
F.F. 21.00
L
21.38 TO 23.70 T.W. (VARIES)
17.88 TO 20.20 F.G. (VARIES)
L
24.38 TO 20.35 T.W. (VARIES)
18.38 TO 17.85 F.G. (VARIES)
SIDEYARD SETBACK
42.25' 10% LOT WIDTH
BLDG. 2
F.F. 20.20
L
23.85 T.W.
19.89 TO 20.80 F.G. (VARIES)
K
25.35 T.W.
19.85 F.G.
N²
18.86 T.W. TO 19.24 (VARIES)
16.00 TO 19.20 F.G. (VARIES)
BLDG. 3
F.F. 20.35
FRONTYARD SETBACK
143.4' 20% LOT DEPTH
F
20.35 TO 21.22 T.W.(VARIES)
17.85 TO 18.38 F.G. (VARIES)
A
19.77 T.W.
16.27 F.G.
P.A.
44'-8"
71.7' 50% MINOR MODIFICATION
5'-0"
30'
D
17.99 TO 19.50 T.W. (VARIES)
17.82 TO 19.32 F.G. (GRADE BEHIND WALL)
C
19.49 T.W.
19.32 F.G. (GRADE BEHIND WALL)
O
17.28 TO 19.49 T.W. (VARIES)
17.11 TO 19.32 F.G. (GRADE BEHIND WALL)
EX. STORMWATER TREATMENT BLDG.
CIVIC CENTER WAY
N
0' 20' 40' 80'

WALLS

- A 42" ABOVE FINISH GRADE
- C 2" ABOVE FINISH GRADE
- D 2" ABOVE FINISH GRADE
- F 42" ABOVE FINISH GRADE (42" MAX. IN FRONTYARD SETBACK 6'-0" MAX. IN SIDEYARD SETBACK) (WOOD FENCE)
- G 30" TO 6'-0"ABOVE FINISH GRADE
- I 6' ABOVE FINISH GRADE
- J 5'-4" ABOVE FINISH GRADE (GUARDRAIL)
- K 5'-6" ABOVE FINISH GRADE (GUARDRAIL)
- L 3'-6" ABOVE FINISH GRADE (GUARDRAIL)
- M 6'-0" ABOVE FINISH GRADE (SCREEN WALL)
- N^1 & N^2 1'-6" ABOVE FINISH GRADE (SEAT WALL)
- O 2" ABOVE FINISH GRADE

WALLS REQUIRING VARIANCE

- B NOT USED
- E NOT USED
- H 12' ABOVE FINISH GRADE (ACOUSTIC SCREEN WALL) (VARIANCE)

NOTE:
WALL HEIGHTS ARE MEASURED FROM HIGHEST FINISH GRADE WITHIN 3' FROM EITHER SIDE OF WALL

1 SITE PLAN WALLS 1"=40'

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NO.	DATE	REVISION
1	-------	-------

NO.	DATE	ISSUED
1	05.05.10	PLANNING
2	09.20.10	PLANNING REV.
3	04.28.11	PLANNING REV.
4	02.21.12	PLANNING REV.
5	03.04.13	PLANNING REV.
6	04.08.13	PLANNING REV.

STAMP :

JOB TITLE :

WHOLE FOODS
in the park

JOB ADDRESS :

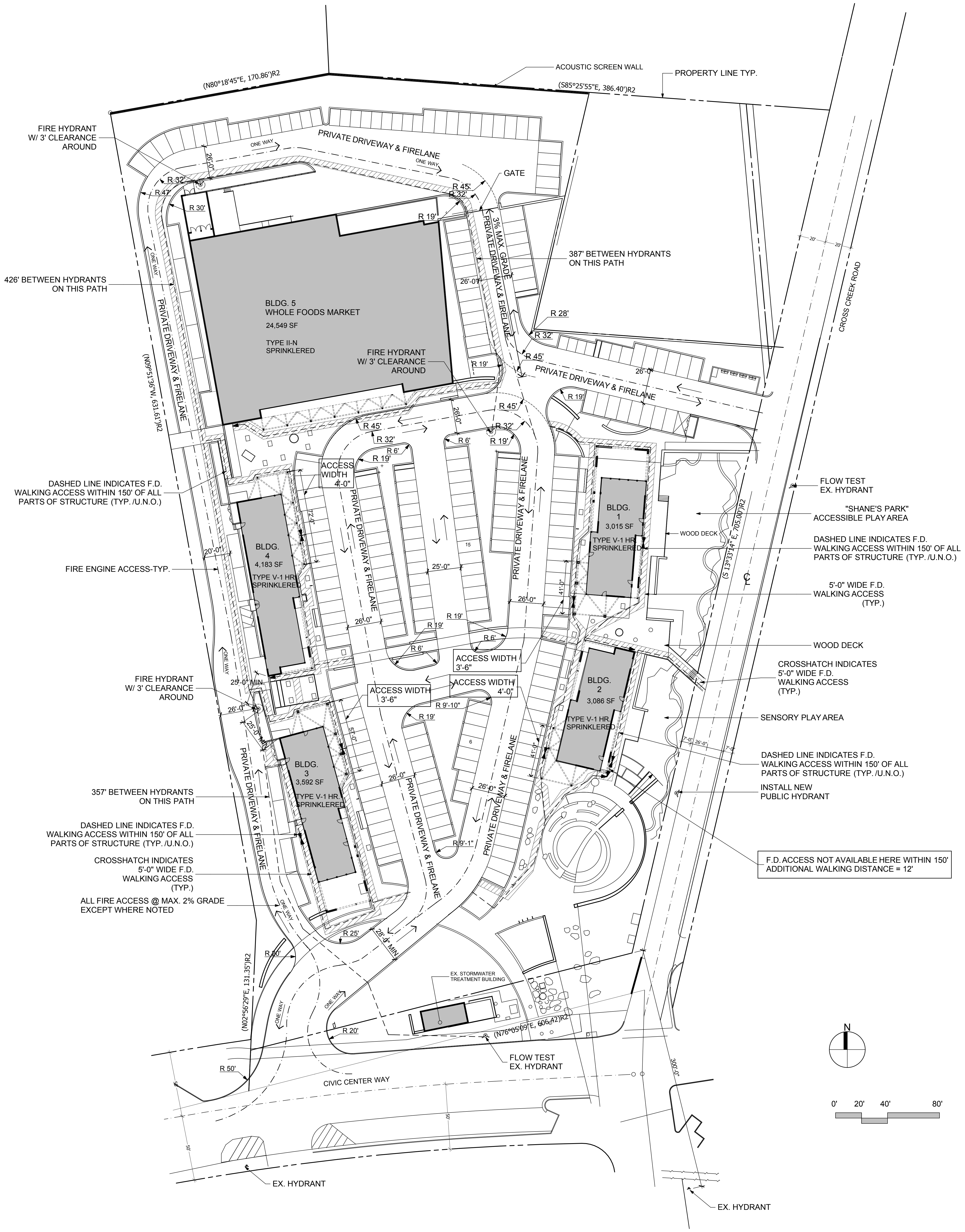
DRAWING TITLE :

WALL SITE PLAN
& ELEVATIONS

DATE : 12.08.14
SCALE : AS NOTED
DRAWING NO.:

A-1.2

REVISION NO.


ACOUSTIC SCREEN WALL
PROPERTY LINE TYP.
(N80°18'45"E, 170.86')R2
(S85°25'55"E, 386.40')R2
FIRE HYDRANT W/ 3' CLEARANCE AROUND
PRIVATE DRIVEWAY & FIRELANE
ONE WAY
GATE
R 32'
R 47'
R 30'
R 45'
R 19'
3% MAX. GRADE
387' BETWEEN HYDRANTS ON THIS PATH
426' BETWEEN HYDRANTS ON THIS PATH
26'-0"
BLDG. 5
WHOLE FOODS MARKET
24,549 SF
TYPE II-N
SPRINKLERED
R 28'
(N09°51'36"W, 631.61')R2
CROSS CREEK ROAD
ACCESS WIDTH 4'-0"
R 6'
DASHED LINE INDICATES F.D. WALKING ACCESS WITHIN 150' OF ALL PARTS OF STRUCTURE (TYP. /U.N.O.)
FLOW TEST EX. HYDRANT
"SHANE'S PARK" ACCESSIBLE PLAY AREA
BLDG. 1
3,015 SF
TYPE V-1 HR. SPRINKLERED
WOOD DECK
(S 13°33'14" E, 705.00')R2
5'-0" WIDE F.D. WALKING ACCESS (TYP.)
BLDG. 4
4,183 SF
TYPE V-1 HR SPRINKLERED
20'-0"
FIRE ENGINE ACCESS-TYP.
72'-0"
25'-0"
41'-0"
15
ACCESS WIDTH 3'-6"
ACCESS WIDTH 4'-0"
R 9'-10"
CROSSHATCH INDICATES 5'-0" WIDE F.D. WALKING ACCESS (TYP.)
BLDG. 2
3,086 SF
TYPE V-1 HR. SPRINKLERED
SENSORY PLAY AREA
7'-0"
25'-0" MIN.
57'-0"
6
BLDG. 3
3,592 SF
TYPE V-1 HR. SPRINKLERED
357' BETWEEN HYDRANTS ON THIS PATH
R 9'-1"
INSTALL NEW PUBLIC HYDRANT
F.D. ACCESS NOT AVAILABLE HERE WITHIN 150' ADDITIONAL WALKING DISTANCE = 12'
ALL FIRE ACCESS @ MAX. 2% GRADE EXCEPT WHERE NOTED
R 25'
28'-0" MIN
R 20'
(N02°56'29"E, 131.35')R2
EX. STORMWATER TREATMENT BUILDING
(N76°05'09"E, 606.42')R2
R 50'
CIVIC CENTER WAY
50'
300'-0"
EX. HYDRANT
N
0'
20'
40'
80'

FIRE DEPARTMENT ACCESS SITE PLAN 1"=40'

FIRE DEPARTMENT NOTES

CONDITIONS OF APPROVAL

1. Access shall comply with Section 503 of the Fire Code, which requires all weather access. All weather acces may require paving.
2. Fire Department access shall be extended to within 150 feet distance of any exterior portion of all structures.
3. Private Driveways shall be indicated on the final map as "Private Driveway and Firelane" with the widths clearly depicted and shall be maintained in accordance with the Fire Code.

   All required fire hydrants shall be installed, tested and accepted prior to construction.
4. Vehicular access must be provided and maintained serviceable throughout construction to all required fire hydrants.

   All required fire hydrants shall be installed, tested and accepted prior to construction.
5. This property is located within the area described by the Fire Department as "Very High Fire hazard severity zone" (formerly Fire Zone 4). A "Fuel Modification Plan" shall be submitted and approved prior to final map clearance. (contact the Fuel Modification Unit, Fire Station #32, 605 North Angeleno Avenue, Azusa, CA 91702-2904, phone 626. 969. 5202, for details).
6. Provide Fire Department or city approved steet signs and building access numbers prior to occupancy

WATER SYSTEM REQUIREMENTS

1. Provide water mains, fire hydrants and fire flows as required by the County of Los Angeles Fire Department for all land shown on map which sall be recorded.
2. The required fire flow for public hydrants at this location is 4000 gallons per minute at 20 psi for a duration of 4 hours, over and above maximum daily domestic demand. 3 hydrants flowing simultaneusly may be used to achieve the required fire flow.
3. The required fire flow for private on-site hydrants is 1250 gallons per minute at 20 psi. Each private on-site hydrant must be capable of flowing 2500 gallons per minute at 20 psi with two hydrants flowing simultaneously, one of which must be furthest from the public water source.
4. All hydrants shall measure 6"x4"x2-1/2" brass or bronze, conforming to current AWWA standard C503 or approved equal. All on-site hydrants shall be installed a minimum of 25 feet from a structure or protected by a (2) two hour rated firewall.
5. All required fire hydrants shall be installed, tested and accepted or bonded for prior to Final Map approval. Vehicular access shall be provided and maintained serviceable throughout construction.
6. Additional water system requirements may be required when this land is further subdivided and/or during the building permit process.
7. Fire hydrant upgrade is not necessary if existing hydrants meet fire flow requirements.

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NO.	DATE	REVISION
1	------	-------

NO.	DATE	ISSUED
1	05.05.10	PLANNING
2	06.22.10	FIRE DEPARTMENT CORRECTIONS
3	08.30.10	FIRE DEPARTMENT CORRECTIONS
4	04.28.11	PLANNING REVISIONS

STAMP :

JOB TITLE :

WHOLE FOODS
in the park

JOB ADDRESS :

23401 CIVIC CENTER WAY
MALIBU CA 90265

DRAWING TITLE :

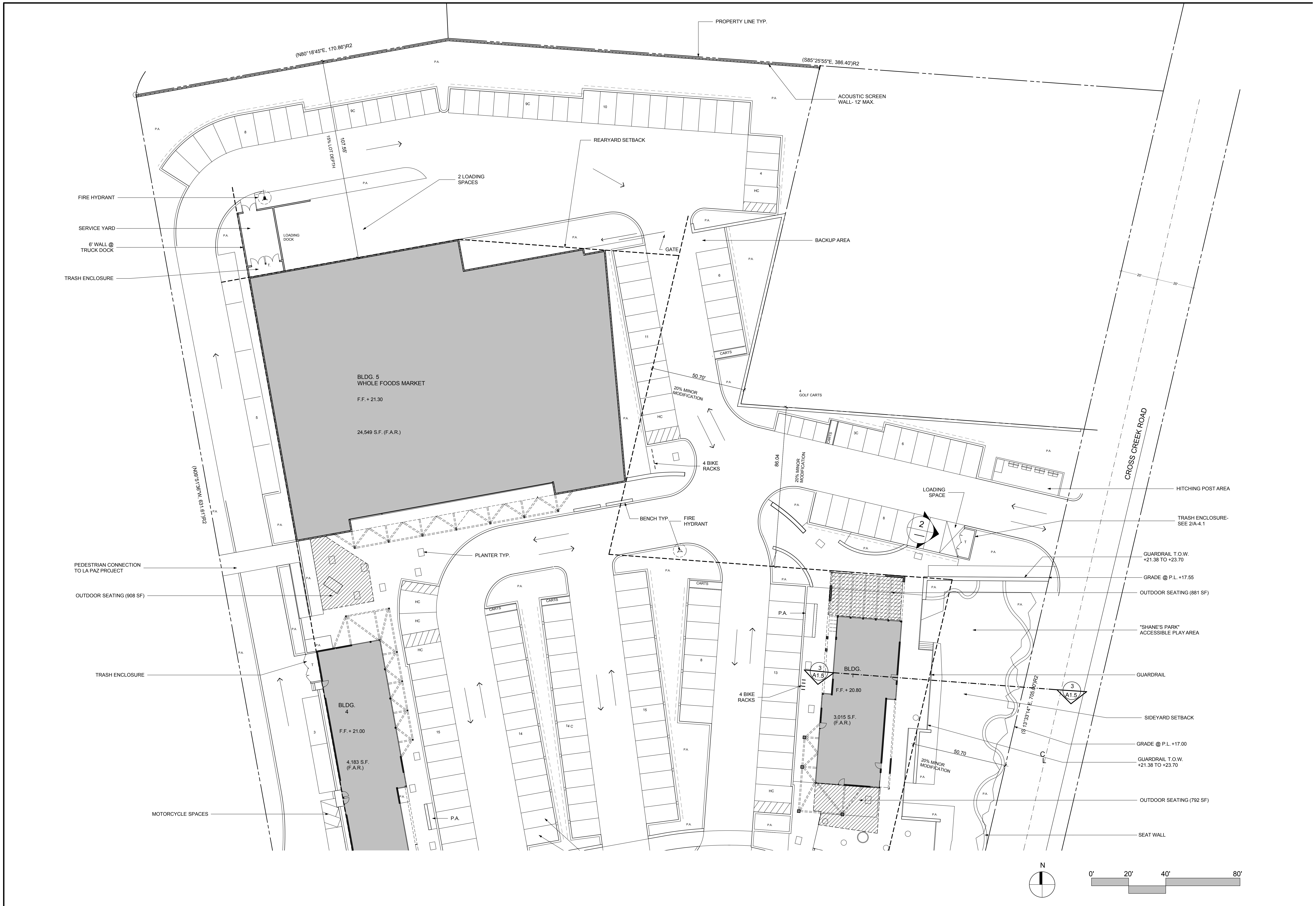
F.D. ACCESS
SITE PLAN

DATE : 02.21.12
SCALE : AS NOTED

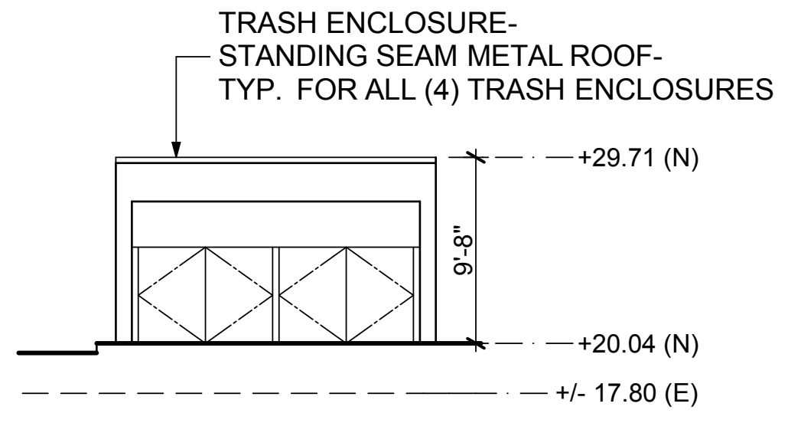
DRAWING NO.:

A-1.3

REVISION NO.


PROPERTY LINE TYP.
(N80°18'45"E, 170.86')R2
(S85°25'55"E, 386.40')R2
ACOUSTIC SCREEN WALL- 12' MAX.
15% LOT DEPTH
107.55'
REARYARD SETBACK
2 LOADING SPACES
FIRE HYDRANT
SERVICE YARD
6' WALL @ TRUCK DOCK
TRASH ENCLOSURE
LOADING DOCK
GATE
BACKUP AREA
BLDG. 5
WHOLE FOODS MARKET
F.F. + 21.30
24,549 S.F. (F.A.R.)
50.70'
20% MINOR MODIFICATION
4 GOLF CARTS
CARTS
86.04
20% MINOR MODIFICATION
4 BIKE RACKS
CROSS CREEK ROAD
HITCHING POST AREA
LOADING SPACE
TRASH ENCLOSURE- SEE 2/A-4.1
BENCH TYP.
FIRE HYDRANT
PLANTER TYP.
GUARDRAIL T.O.W. +21.38 TO +23.70
GRADE @ P.L. +17.55
OUTDOOR SEATING (881 SF)
"SHANE'S PARK" ACCESSIBLE PLAY AREA
PEDESTRIAN CONNECTION TO LA PAZ PROJECT
OUTDOOR SEATING (908 SF)
(N09°51'36"W, 631.61')R2
TRASH ENCLOSURE
BLDG. 4
F.F. + 21.00
4,183 S.F. (F.A.R.)
MOTORCYCLE SPACES
BLDG. 1
F.F. + 20.80
3,015 S.F. (F.A.R.)
4 BIKE RACKS
3 A1.5
GUARDRAIL
SIDEYARD SETBACK
(S 13°33'14" E, 705.00')R2
50.70
20% MINOR MODIFICATION
GRADE @ P.L. +17.00
GUARDRAIL T.O.W. +21.38 TO +23.70
OUTDOOR SEATING (792 SF)
SEAT WALL
P.A.
HC
N
0' 20' 40' 80'

PARTIAL SITE PLAN ① 1'-0"=20'


TRASH ENCLOSURE-
STANDING SEAM METAL ROOF-
TYP. FOR ALL (4) TRASH ENCLOSURES
+29.71 (N)
9'-8"
+20.04 (N)
+/- 17.80 (E)

TRASH ENCLOSURE ELEVATION ② 1/8"=1'-0"

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NO.	DATE	REVISION
1		

NO.	DATE	ISSUED
1	09.20.10	PLANNING REVISION
3	04.28.11	PLANNING REVISION
4	02.21.12	PLANNING REVISION
6	04.08.13	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
in the park

JOB ADDRESS :

DRAWING TITLE :

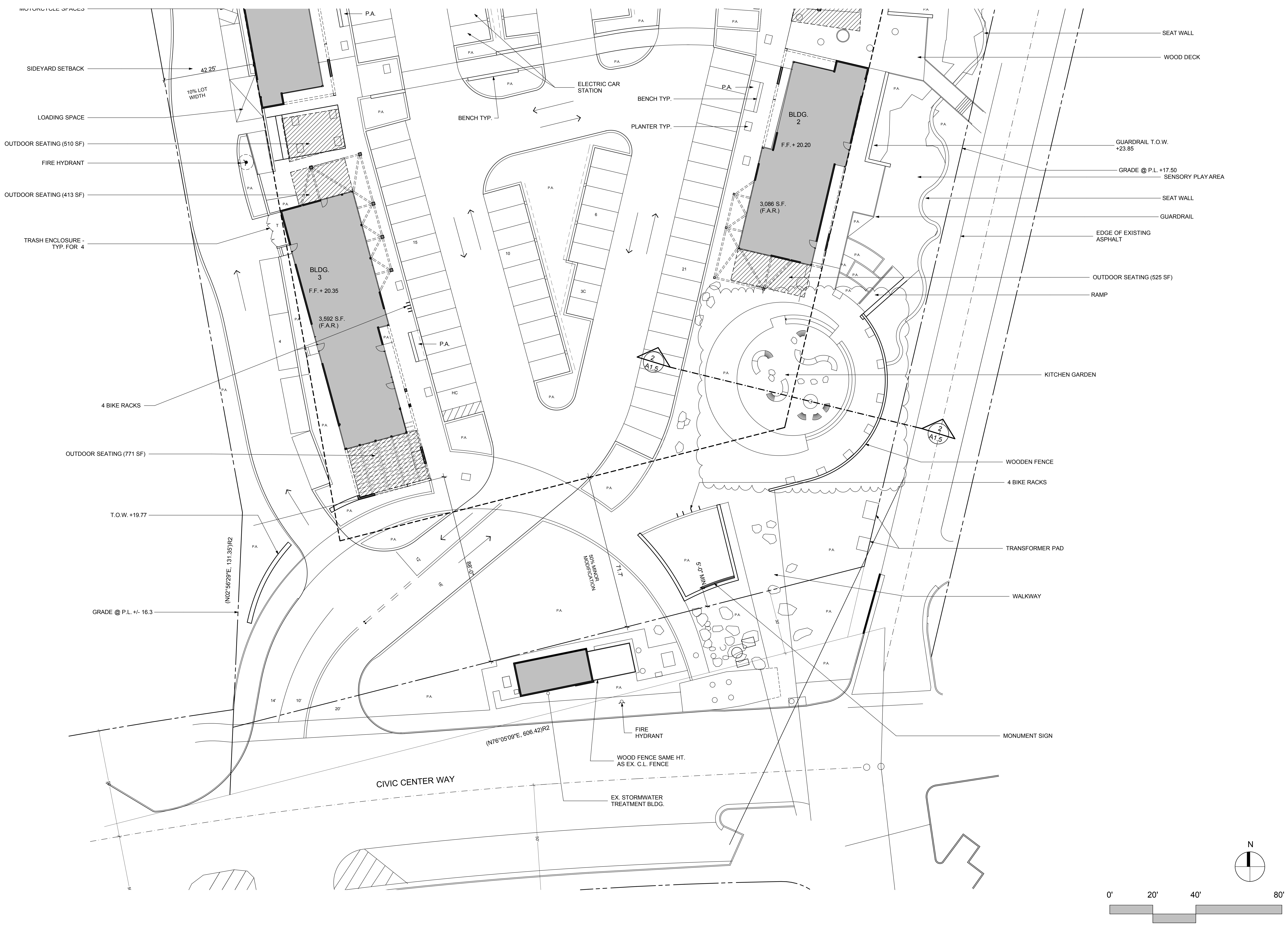
PARTIAL
SITE PLAN

DATE : 04.08.12
SCALE : 1" = 20'-0"

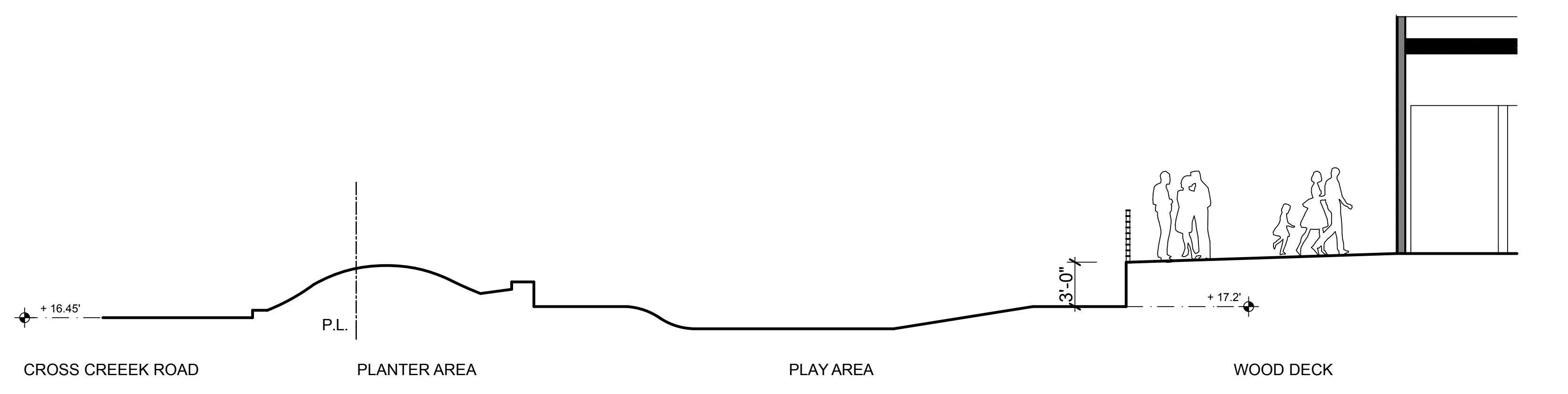
DRAWING NO.:

A-1.4

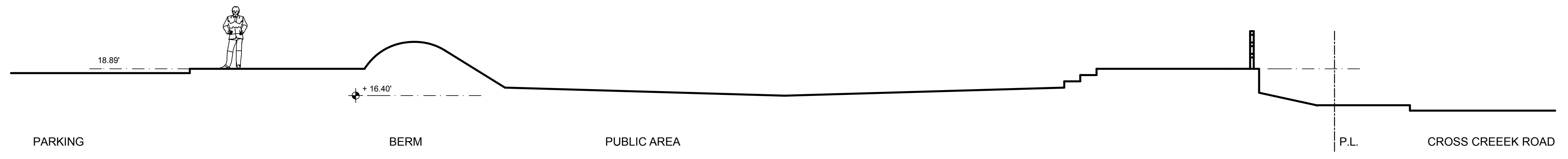
REVISION NO.


MOTORCYCLE SPACES
SIDEYARD SETBACK
42.25'
10% LOT WIDTH
LOADING SPACE
OUTDOOR SEATING (510 SF)
FIRE HYDRANT
OUTDOOR SEATING (413 SF)
TRASH ENCLOSURE - TYP. FOR 4
BLDG. 3
F.F. + 20.35
3,592 S.F. (F.A.R.)
4 BIKE RACKS
OUTDOOR SEATING (771 SF)
T.O.W. +19.77
(N02°56'29"E, 131.35')R2
GRADE @ P.L. +/- 16.3
P.A.
HC
15
10
6
3C
21
ELECTRIC CAR STATION
BENCH TYP.
BENCH TYP.
PLANTER TYP.
BLDG. 2
F.F. + 20.20
3,086 S.F. (F.A.R.)
SEAT WALL
WOOD DECK
GUARDRAIL T.O.W. +23.85
GRADE @ P.L. +17.50
SENSORY PLAY AREA
SEAT WALL
GUARDRAIL
EDGE OF EXISTING ASPHALT
OUTDOOR SEATING (525 SF)
RAMP
KITCHEN GARDEN
2 A1.5
WOODEN FENCE
4 BIKE RACKS
TRANSFORMER PAD
WALKWAY
5'-0" MIN.
50% MINOR MODIFICATION
71.7'
86.0'
MONUMENT SIGN
FIRE HYDRANT
WOOD FENCE SAME HT. AS EX. C.L. FENCE
EX. STORMWATER TREATMENT BLDG.
(N76°05'09"E, 606.42)R2
14'
10'
20'
CIVIC CENTER WAY
N
0'
20'
40'
80'

PARTIAL SITE PLAN ① 1'-0"=20'


+ 16.45'
P.L.
3'-0"
+ 17.2'
CROSS CREEEK ROAD
PLANTER AREA
PLAY AREA
WOOD DECK

SITE SECTION @PLAY AREA ③ 1/8"=1'-0"'


18.89'
+ 16.40'
PARKING
BERM
PUBLIC AREA
P.L.
CROSS CREEEK ROAD

SITE SECTION @ COURTYARD ② 1/8"=1'-0"'

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SUITE A202 MALIBU CA 90265
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NO.	DATE	REVISION
1		

NO.	DATE	ISSUED
1	09.20.10	PLANNING REVISION
3	04.28.11	PLANNING REVISION
4	02.21.12	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
in the park

JOB ADDRESS :

DRAWING TITLE :

PARTIAL
SITE PLAN/
SITE SECTIONS

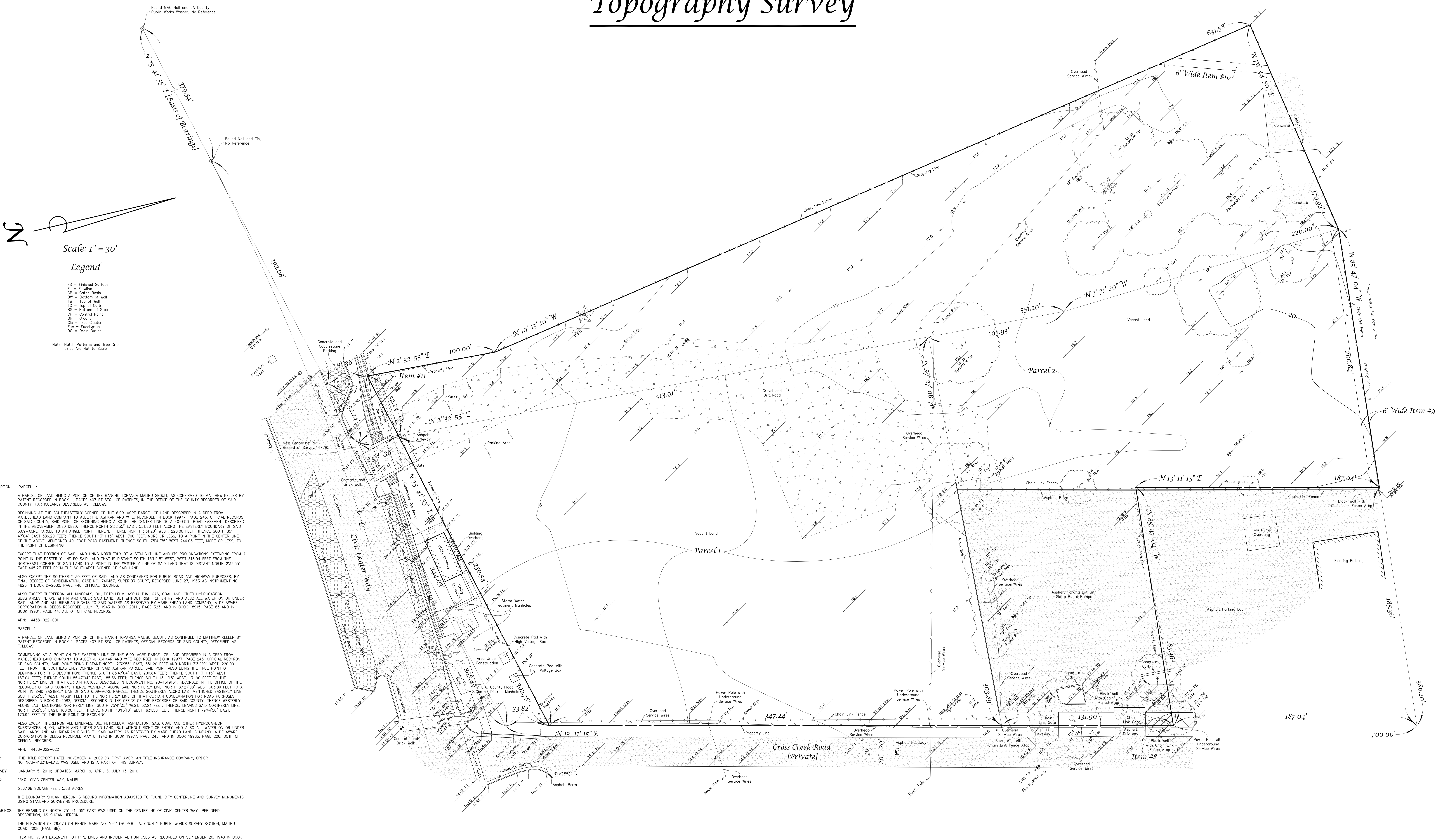
DATE : 02.21.12
SCALE : 1" = 20'-0"
DRAWING NO.:

A-1.5

REVISION NO.

A_site plan.pln; A1.5 _site plan_1/20; 100%; 12/16/2014 3:52 PM

Topography Survey



Scale: 1" = 30'

Legend

FS = Finished Surface
FL = Flowline
CB = Catch Basin
BW = Bottom of Wall
TW = Top of Wall
TC = Top of Curb
BS = Bottom of Step
CP = Control Point
GR = Ground
Cls = Tree Cluster
Euc = Eucalyptus
DO = Drain Outlet

Note: Hatch Patterns and Tree Drip Lines Are Not to Scale

LEGAL DESCRIPTION: PARCEL 1:

A PARCEL OF LAND BEING A PORTION OF THE RANCHO TOPANGA MALIBU SEQUIT, AS CONFIRMED TO MATTHEW KELLER BY PATENT RECORDED IN BOOK 1, PAGES 407 ET SEQ., OF PATENTS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEASTERLY CORNER OF THE 6.09–ACRE PARCEL OF LAND DESCRIBED IN A DEED FROM MARBLEHEAD LAND COMPANY TO ALBERT J. ASHKAR AND WIFE, RECORDED IN BOOK 19977, PAGE 245, OFFICIAL RECORDS OF SAID COUNTY, SAID POINT OF BEGINNING BEING ALSO IN THE CENTER LINE OF A 40–FOOT ROAD EASEMENT DESCRIBED IN THE ABOVE–MENTIONED DEED; THENCE NORTH 2°32'55" EAST, 551.20 FEET ALONG THE EASTERLY BOUNDARY OF SAID 6.09–ACRE PARCEL TO AN ANGLE POINT THEREIN; THENCE NORTH 3°31'20" WEST, 220.00 FEET; THENCE SOUTH 85° 47'04" EAST 386.20 FEET; THENCE SOUTH 13°11'15" WEST, 700 FEET, MORE OR LESS, TO A POINT IN THE CENTER LINE OF THE ABOVE–MENTIONED 40–FOOT ROAD EASEMENT; THENCE SOUTH 75°41'35" WEST 244.03 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

EXCEPT THAT PORTION OF SAID LAND LYING NORTHERLY OF A STRAIGHT LINE AND ITS PROLONGATIONS EXTENDING FROM A POINT IN THE EASTERLY LINE FO SAID LAND THAT IS DISTANT SOUTH 13°11'15" WEST, WEST 318.94 FEET FROM THE NORTHEAST CORNER OF SAID LAND TO A POINT IN THE WESTERLY LINE OF SAID LAND THAT IS DISTANT NORTH 2°32'55" EAST 445.27 FEET FROM THE SOUTHWEST CORNER OF SAID LAND.

ALSO EXCEPT THE SOUTHERLY 30 FEET OF SAID LAND AS CONDEMNED FOR PUBLIC ROAD AND HIGHWAY PURPOSES, BY FINAL DECREE OF CONDEMNATION, CASE NO. 740467, SUPERIOR COURT, RECORDED JUNE 27, 1963 AS INSTRUMENT NO. 4825 IN BOOK D–2082, PAGE 448, OFFICIAL RECORDS.

ALSO EXCEPT THEREFROM ALL MINERALS, OIL, PETROLEUM, ASPHALTUM, GAS, COAL AND OTHER HYDROCARBON SUBSTANCES IN, ON, WITHIN AND UNDER SAID LAND, BUT WITHOUT RIGHT OF ENTRY, AND ALSO ALL WATER ON OR UNDER SAID LANDS AND ALL RIPARIAN RIGHTS TO SAID WATERS AS RESERVED BY MARBLEHEAD LAND COMPANY, A DELAWARE CORPORATION IN DEEDS RECORDED JULY 17, 1943 IN BOOK 20111, PAGE 323, AND IN BOOK 18915, PAGE 85 AND IN BOOK 19901, PAGE 44, ALL OF OFFICIAL RECORDS.

APN: 4458–022–001

PARCEL 2:

A PARCEL OF LAND BEING A PORTION OF THE RANCH TOPANGA MALIBU SEQUIT, AS CONFIRMED TO MATTHEW KELLER BY PATENT RECORDED IN BOOK 1, PAGES 407 ET SEQ., OF PATENTS, OFFICIAL RECORDS OF SAID COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING AT A POINT ON THE EASTERLY LINE OF THE 6.09–ACRE PARCEL OF LAND DESCRIBED IN A DEED FROM MARBLEHEAD LAND COMPANY TO ALBER J. ASHKAR AND WIFE RECORDED IN BOOK 19977, PAGE 245, OFFICIAL RECORDS OF SAID COUNTY, SAID POINT BEING DISTANT NORTH 2°32'55" EAST, 551.20 FEET AND NORTH 3°31'20" WEST, 220.00 FEET FROM THE SOUTHEASTERLY CORNER OF SAID ASHKAR PARCEL, SAID POINT ALSO BEING THE TRUE POINT OF BEGINNING FOR THIS DESCRIPTION; THENCE SOUTH 85°47'04" EAST, 200.84 FEET; THENCE SOUTH 13°11'15" WEST, 187.04 FEET; THENCE SOUTH 85°47'04" EAST, 185.36 FEET; THENCE SOUTH 13°11'15" WEST, 131.90 FEET TO THE NORTHERLY LINE OF THAT CERTAIN PARCEL DESCRIBED IN DOCUMENT NO. 90–1319161, RECORDED IN THE OFFICE OF THE RECORDER OF SAID COUNTY; THENCE WESTERLY ALONG SAID NORTHERLY LINE, NORTH 87°27'08" WEST 303.89 FEET TO A POINT IN SAID EASTERLY LINE OF SAID 6.09–ACRE PARCEL; THENCE SOUTHERLY ALONG LAST MENTIONED EASTERLY LINE, SOUTH 2°32'55" WEST, 413.91 FEET TO THE NORTHERLY LINE OF THAT CERTAIN CONDEMNATION FOR ROAD PURPOSES DESCRIBED IN BOOK D–2082, OFFICIAL RECORDS IN THE OFFICE OF THE RECORDER OF SAID COUNTY; THENCE WESTERLY ALONG LAST MENTIONED NORTHERLY LINE, SOUTH 75°41'35" WEST, 52.24 FEET; THENCE, LEAVING SAID NORTHERLY LINE, NORTH 2°32'55" EAST, 100.00 FEET; THENCE NORTH 10°15'10" WEST, 631.58 FEET; THENCE NORTH 79°44'50" EAST, 170.92 FEET TO THE TRUE POINT OF BEGINNING.

ALSO EXCEPT THEREFROM ALL MINERALS, OIL, PETROLEUM, ASPHALTUM, GAS, COAL AND OTHER HYDROCARBON SUBSTANCES IN, ON, WITHIN AND UNDER SAID LAND, BUT WITHOUT RIGHT OF ENTRY, AND ALSO ALL WATER ON OR UNDER SAID LANDS AND ALL RIPARIAN RIGHTS TO SAID WATERS AS RESERVED BY MARBLEHEAD LAND COMPANY, A DELAWARE CORPORATION IN DEEDS RECORDED MAY 8, 1943 IN BOOK 19977, PAGE 245, AND IN BOOK 19985, PAGE 226, BOTH OF OFFICIAL RECORDS.

APN: 4458–022–022

TITLE REPORT: THE TITLE REPORT DATED NOVEMBER 4, 2009 BY FIRST AMERICAN TITLE INSURANCE COMPANY, ORDER NO. NCS–413318–LA2, WAS USED AND IS A PART OF THIS SURVEY.

DATE OF SURVEY: JANUARY 5, 2010; UPDATES: MARCH 9, APRIL 6, JULY 13, 2010

SITE ADDRESS: 23401 CIVIC CENTER WAY, MALIBU

AREA: 256,168 SQUARE FEET, 5.88 ACRES

BOUNDARY: THE BOUNDARY SHOWN HEREON IS RECORD INFORMATION ADJUSTED TO FOUND CITY CENTERLINE AND SURVEY MONUMENTS USING STANDARD SURVEYING PROCEDURE.

BASIS OF BEARINGS: THE BEARING OF NORTH 75° 41' 35" EAST WAS USED ON THE CENTERLINE OF CIVIC CENTER WAY PER DEED DESCRIPTION, AS SHOWN HEREON.

BENCH MARK: THE ELEVATION OF 26.073 ON BENCH MARK NO. Y–11376 PER L.A. COUNTY PUBLIC WORKS SURVEY SECTION, MALIBU QUAD 2008 (NAVD 88).

EASEMENTS: ITEM NO. 7, AN EASEMENT FOR PIPE LINES AND INCIDENTAL PURPOSES AS RECORDED ON SEPTEMBER 20, 1948 IN BOOK 28303, PAGE 148, OFFICIAL RECORDS. (NOT PLOTTABLE)

ITEM NO. 8, AN EASEMENT FOR PIPE LINES AND INCIDENTAL PURPOSES AS RECORDED ON JULY 17, 1943 AS INSTRUMENT NO. 570 IN BOOK 20111, PAGE 323, OFFICIAL RECORDS.

ITEM NO. 9, AN EASEMENT FOR TELEPHONE AND ELECTRIC LINES AND INCIDENTAL PURPOSES AS RECORDED ON MAY 11, 1950 AS INSTRUMENT NO. 2323 IN BOOK 33102, PAGE 220, OFFICIAL RECORDS.

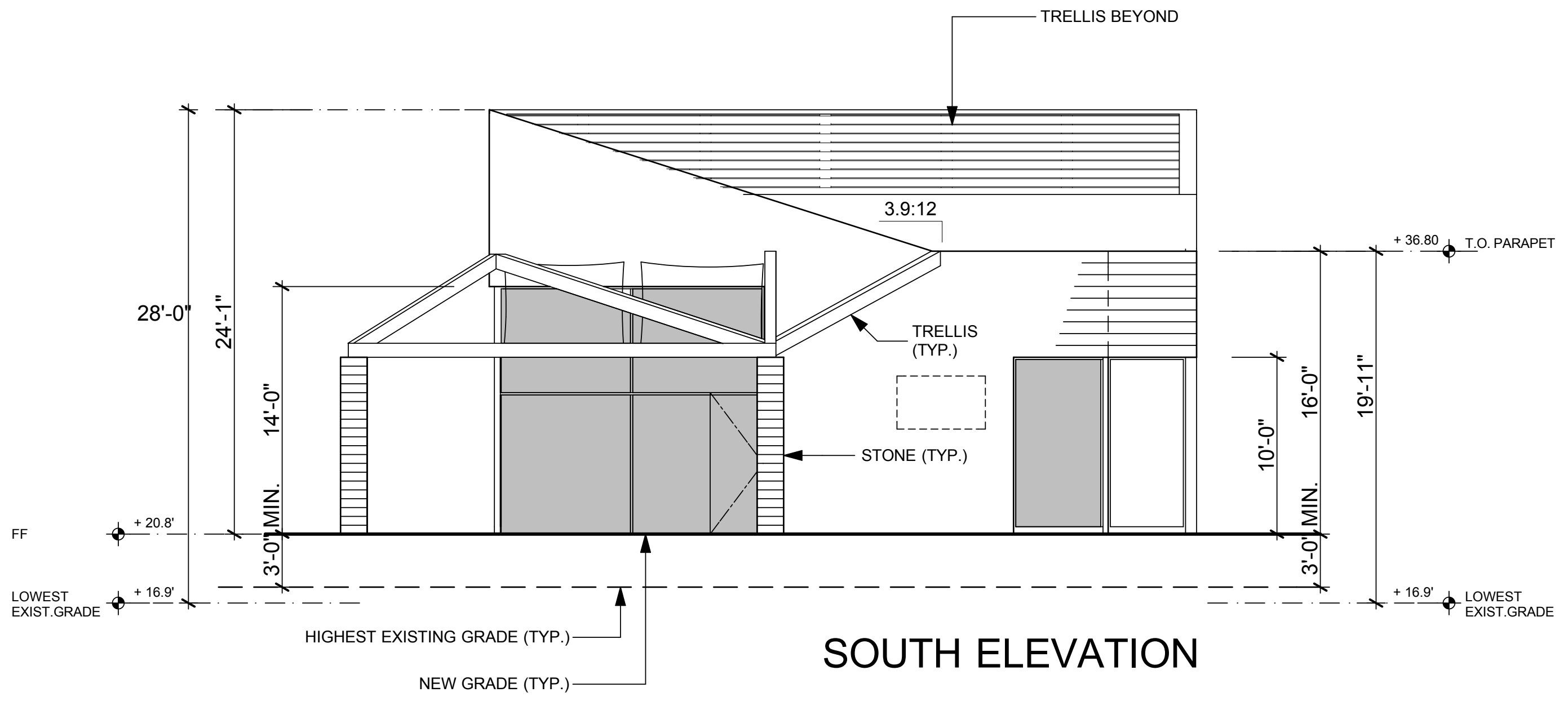
ITEM NO. 10, AN EASEMENT FOR POLE LINES AND INCIDENTAL PURPOSES AS RECORDED ON JANUARY 4, 1951 AS INSTRUMENT NO. 2954 IN BOOK 35230, PAGE 159, OFFICIAL RECORDS.

ITEM NO. 11, AN EASEMENT FOR PUBLIC ROAD AND HIGHWAY AND INCIDENTAL PURPOSES AS RECORDED ON JULY 17, 1969 AS INSTRUMENT NO. 2983, OFFICIAL RECORDS.

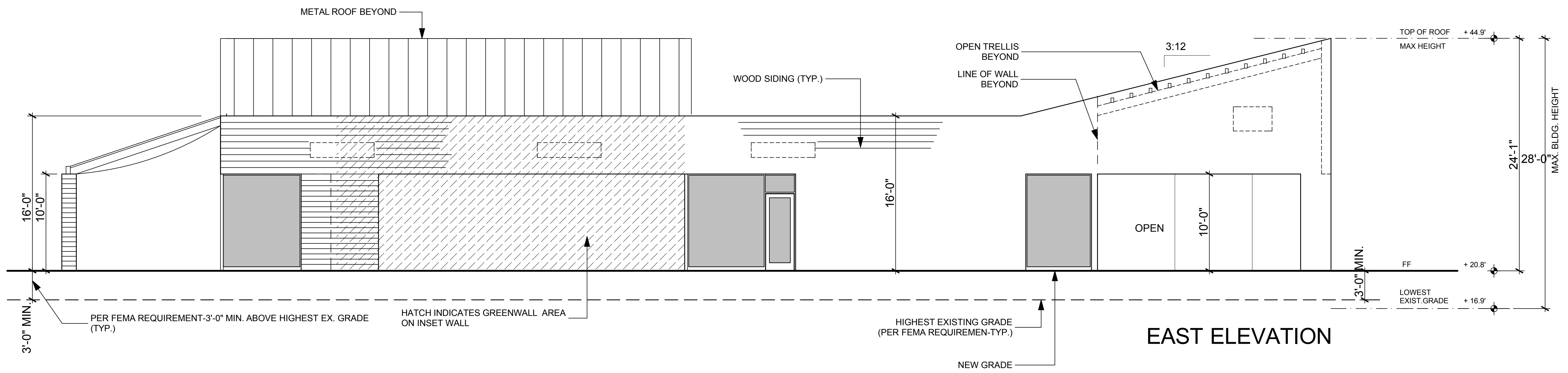
Plan Prepared For: Whole Foods Plaza
23401 Civic Center Way
Malibu, CA 90265

Plan Prepared By: M & M & Co.
16145 Roscoe Boulevard
North Hills, CA 91343
(818) 891-9100
Michael J. Amoroso, L.S. 5392
Field Survey By: Tom Vondra
Plan Drafted By: James Hoffman

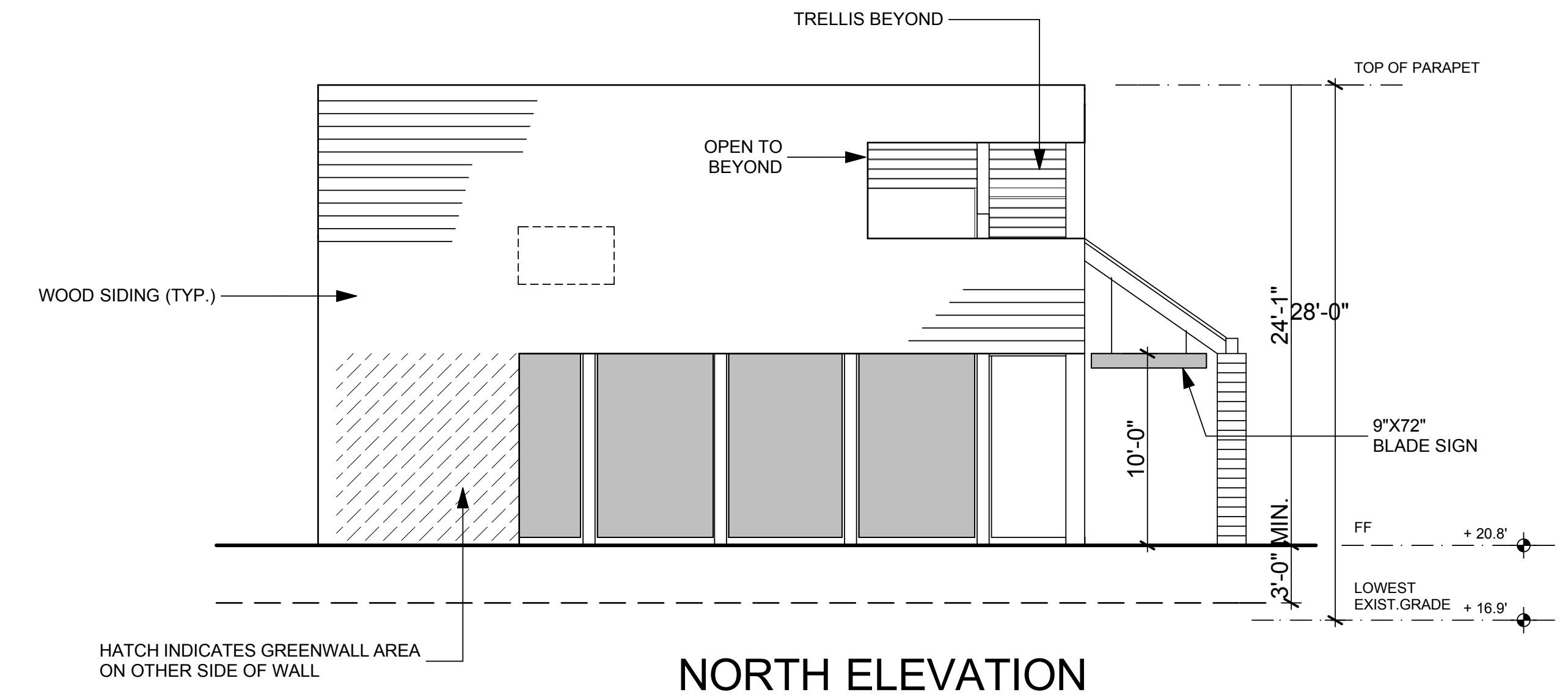
Job# 12–19–09 Whole Foods Plaza Civic Center Way


TRELLIS BEYOND
3.9:12
+ 36.80 T.O. PARAPET
TRELLIS (TYP.)
STONE (TYP.)
28'-0"
24'-1"
14'-0"
10'-0"
16'-0"
19'-11"
3'-0" MIN.
FF + 20.8'
LOWEST EXIST.GRADE + 16.9'
HIGHEST EXISTING GRADE (TYP.)
NEW GRADE (TYP.)

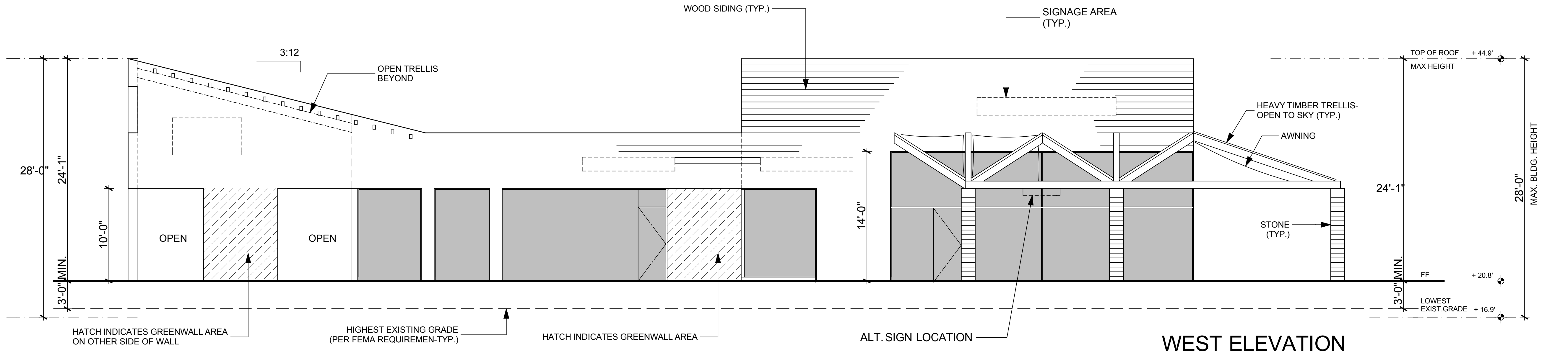
SOUTH ELEVATION


METAL ROOF BEYOND
WOOD SIDING (TYP.)
OPEN TRELLIS BEYOND
LINE OF WALL BEYOND
3:12
TOP OF ROOF + 44.9'
MAX HEIGHT
MAX. BLDG. HEIGHT
16'-0"
10'-0"
OPEN
24'-1"
28'-0"
3'-0" MIN.
FF + 20.8'
LOWEST EXIST.GRADE + 16.9'
PER FEMA REQUIREMENT-3'-0" MIN. ABOVE HIGHEST EX. GRADE (TYP.)
HATCH INDICATES GREENWALL AREA ON INSET WALL
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)
NEW GRADE

EAST ELEVATION

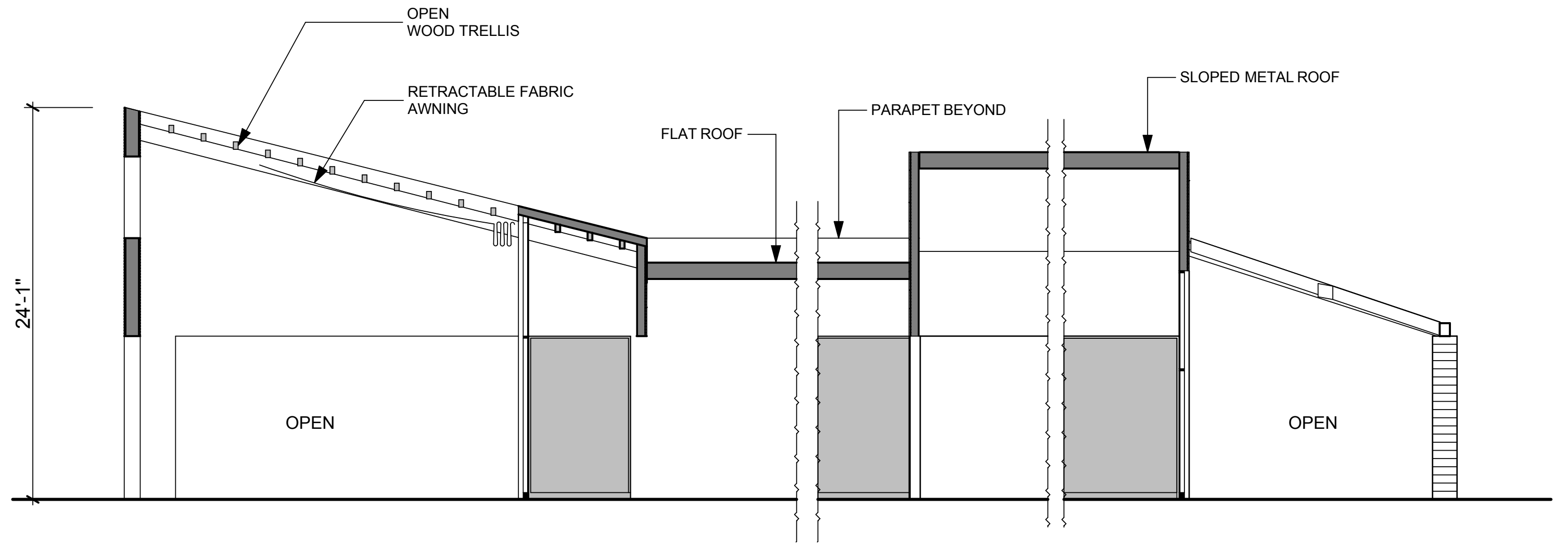

TRELLIS BEYOND
TOP OF PARAPET
OPEN TO BEYOND
WOOD SIDING (TYP.)
9"X72" BLADE SIGN
24'-1"
28'-0"
10'-0"
3'-0" MIN.
FF + 20.8'
LOWEST EXIST.GRADE + 16.9'
HATCH INDICATES GREENWALL AREA ON OTHER SIDE OF WALL

NORTH ELEVATION

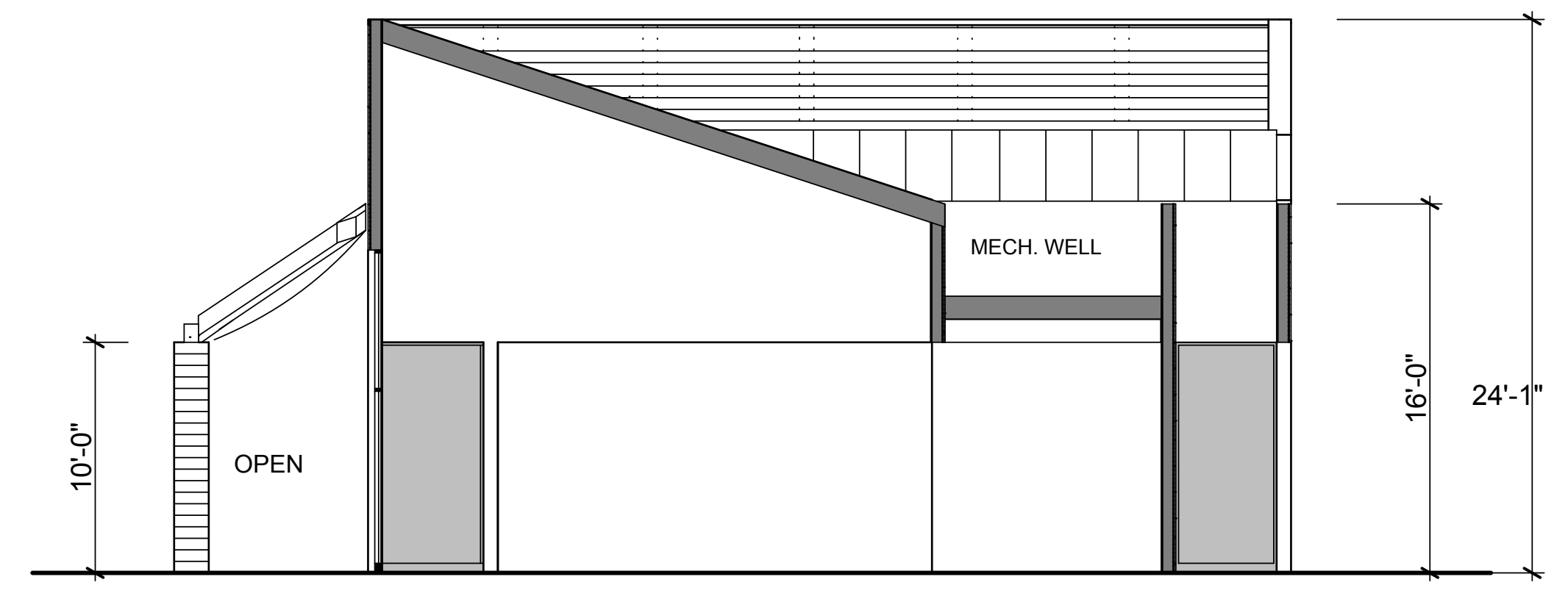

WOOD SIDING (TYP.)
SIGNAGE AREA (TYP.)
3:12
OPEN TRELLIS BEYOND
TOP OF ROOF + 44.9'
MAX HEIGHT
HEAVY TIMBER TRELLIS-OPEN TO SKY (TYP.)
AWNING
STONE (TYP.)
MAX. BLDG. HEIGHT
28'-0"
24'-1"
10'-0"
14'-0"
OPEN
OPEN
3'-0" MIN.
FF + 20.8'
LOWEST EXIST.GRADE + 16.9'
HATCH INDICATES GREENWALL AREA ON OTHER SIDE OF WALL
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)
HATCH INDICATES GREENWALL AREA
ALT. SIGN LOCATION

WEST ELEVATION

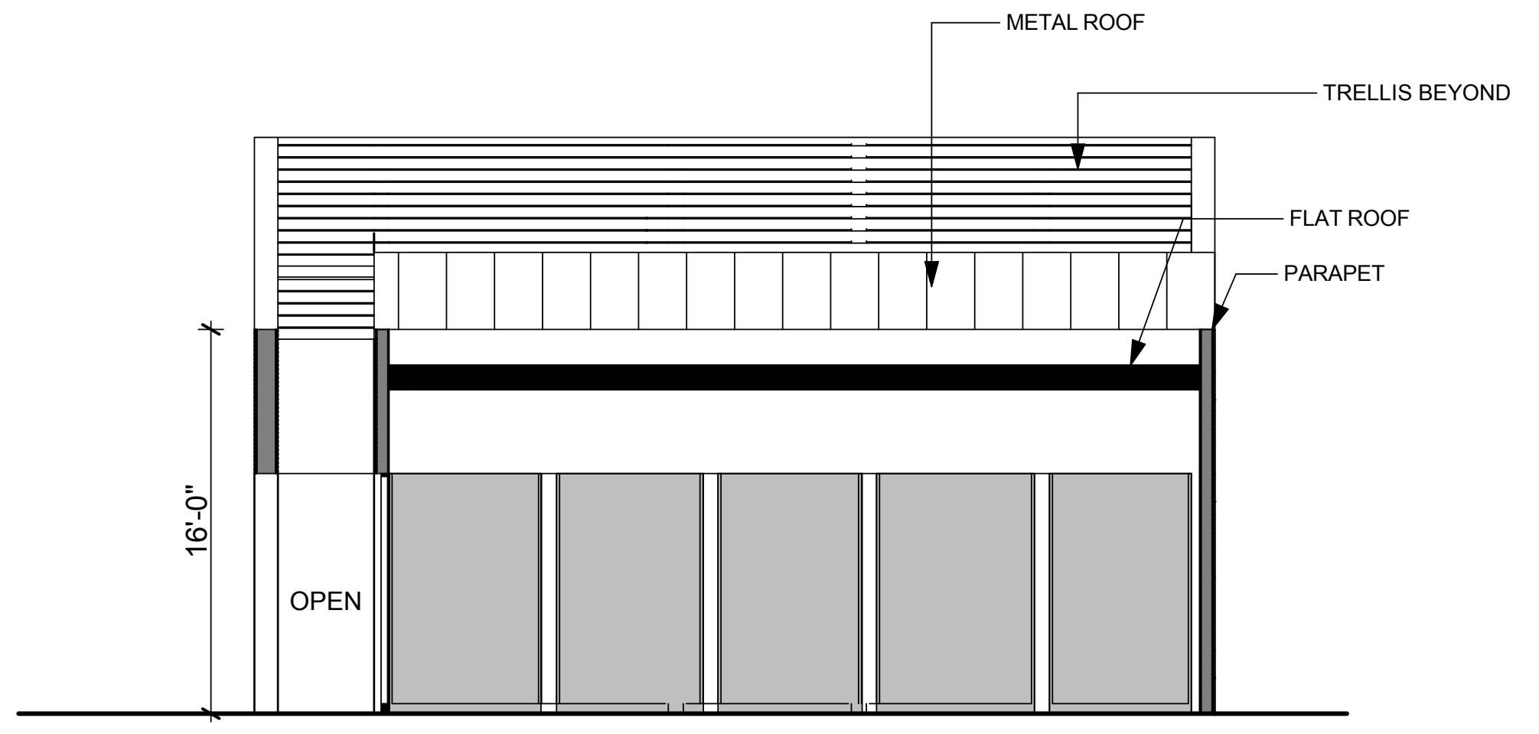
▨ HATCH INDICATES GREENWALL


OPEN WOOD TRELLIS
RETRACTABLE FABRIC AWNING
FLAT ROOF
PARAPET BEYOND
SLOPED METAL ROOF
24'-1"
OPEN
OPEN

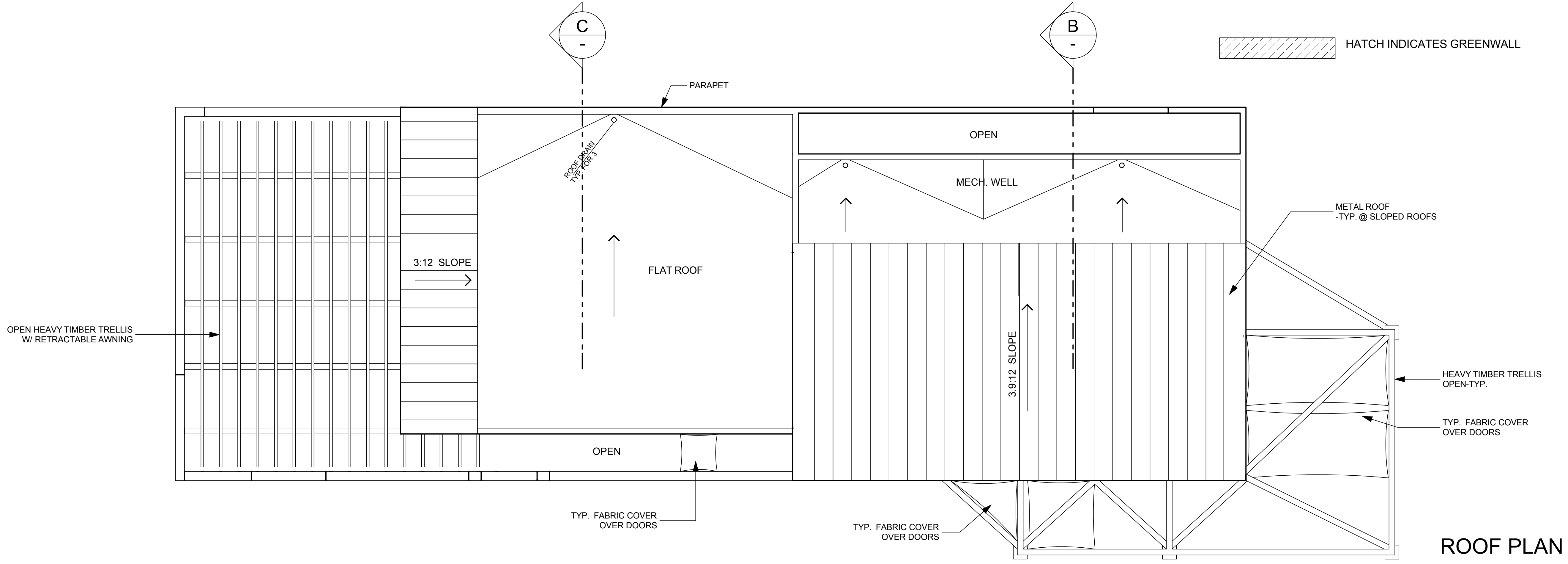
SECTION - A


MECH. WELL
10'-0"
OPEN
16'-0"
24'-1"

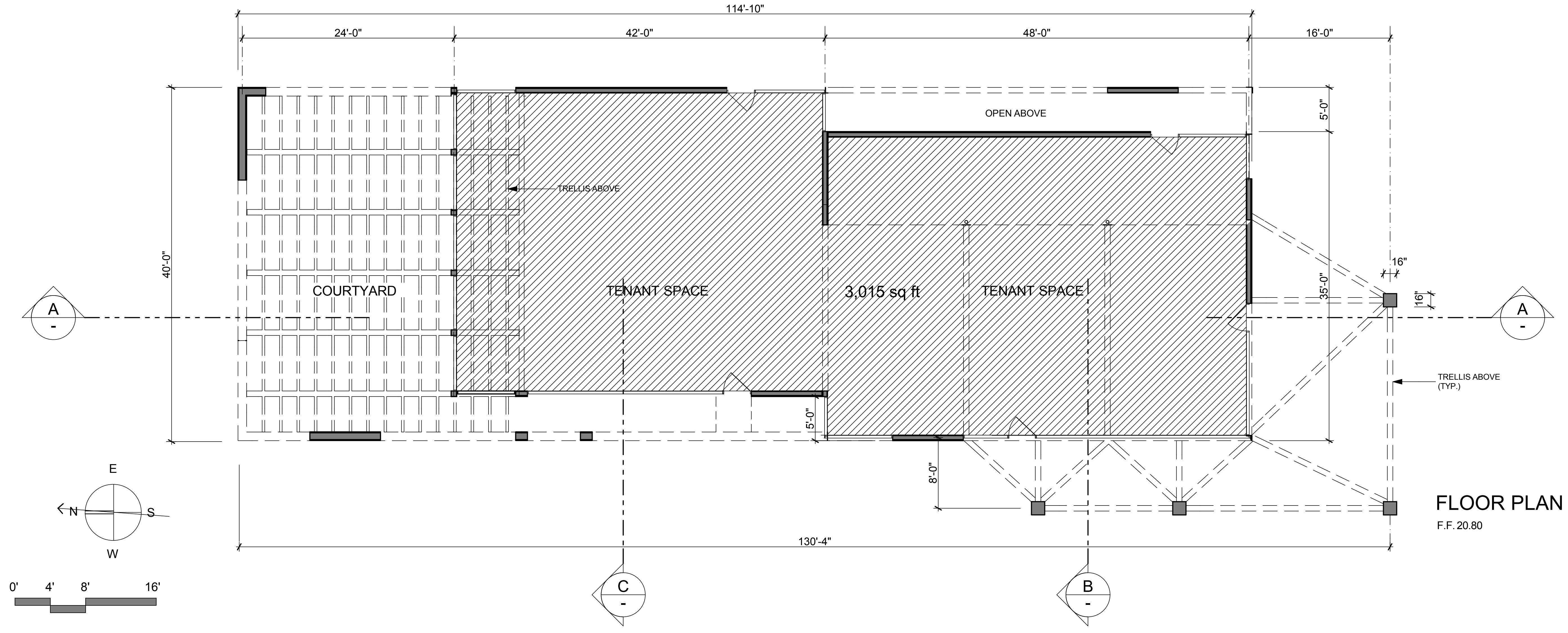
SECTION - B


METAL ROOF
TRELLIS BEYOND
FLAT ROOF
PARAPET
16'-0"
OPEN

SECTION - C


C
-
B
-
PARAPET
OPEN
MECH. WELL
ROOF DRAIN TYP. FOR 3
3:12 SLOPE
FLAT ROOF
3.9:12 SLOPE
METAL ROOF -TYP. @ SLOPED ROOFS
OPEN HEAVY TIMBER TRELLIS W/ RETRACTABLE AWNING
OPEN
HEAVY TIMBER TRELLIS OPEN-TYP.
TYP. FABRIC COVER OVER DOORS
TYP. FABRIC COVER OVER DOORS
TYP. FABRIC COVER OVER DOORS

ROOF PLAN


114'-10"
24'-0"
42'-0"
48'-0"
16'-0"
OPEN ABOVE
5'-0"
TRELLIS ABOVE
40'-0"
COURTYARD
TENANT SPACE
3,015 sq ft
TENANT SPACE
35'-0"
16"
16"
A
-
A
-
TRELLIS ABOVE (TYP.)
5'-0"
8'-0"
130'-4"
C
-
B
-
E
N
S
W
0'
4'
8'
16'

FLOOR PLAN

F.F. 20.80

GOLDMAN FIRTH ROSSI
ARCHITECTS

24955 PACIFIC COAST HIGHWAY
SUITE A202 MALIBU CA 90265
310. 456. 1831 FAX.310. 456. 7690
WWW.GFARCHITECTS.COM

NO.	DATE	REVISION
1	-------	------

NO.	DATE	ISSUED
1	05-05-10	PLANNING
2	09-20-10	PLANNING REVISION
5	03-04-13	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
IN THE PARK

JOB ADDRESS :

23401 CIVIC CENTER WAY
MALIBU, CA 90265

DRAWING TITLE :

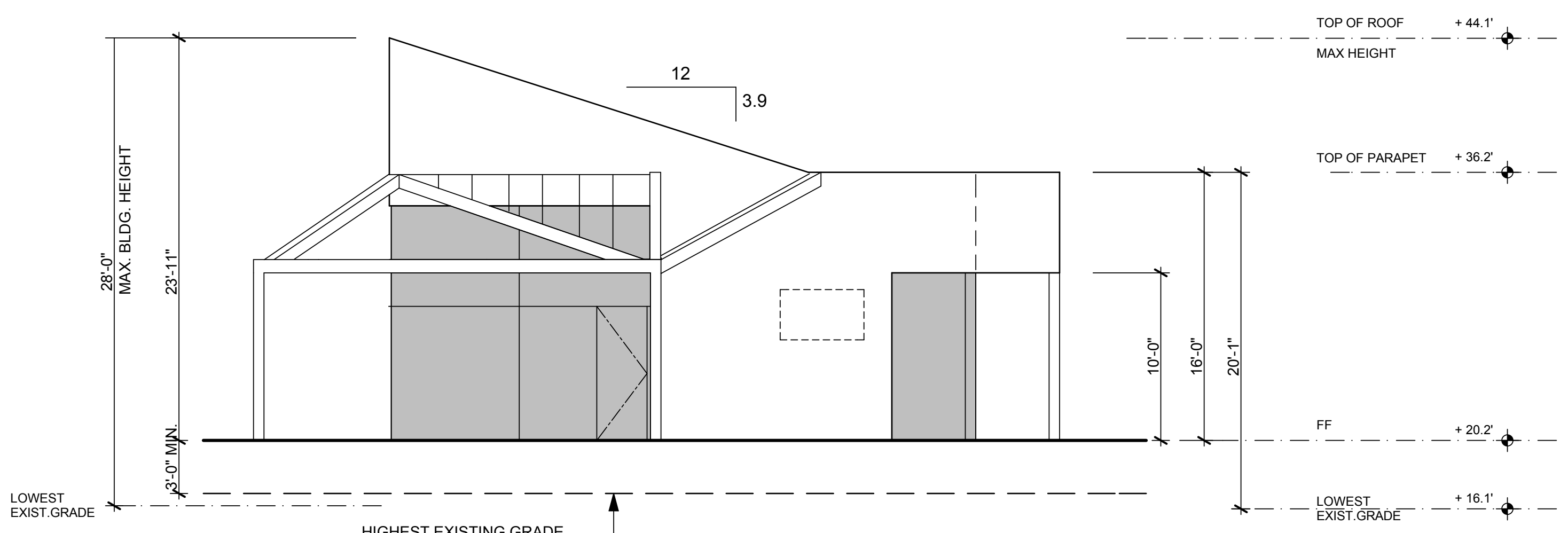
BLDG 1 - PLAN &
ELEVATIONS

DATE : 03-04-13
SCALE : 1/8" = 1'-0"

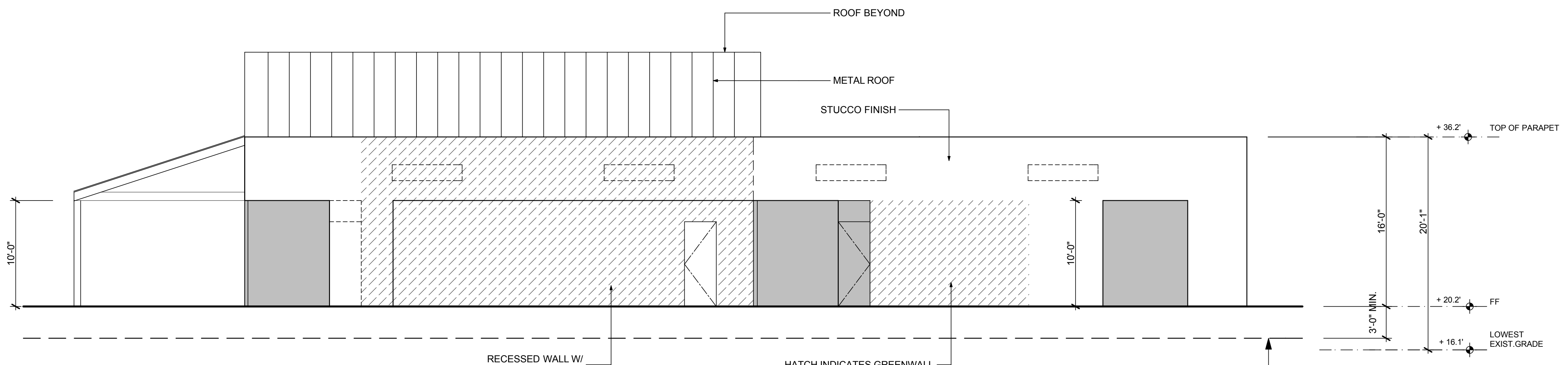
DRAWING NO.:

A-2.1

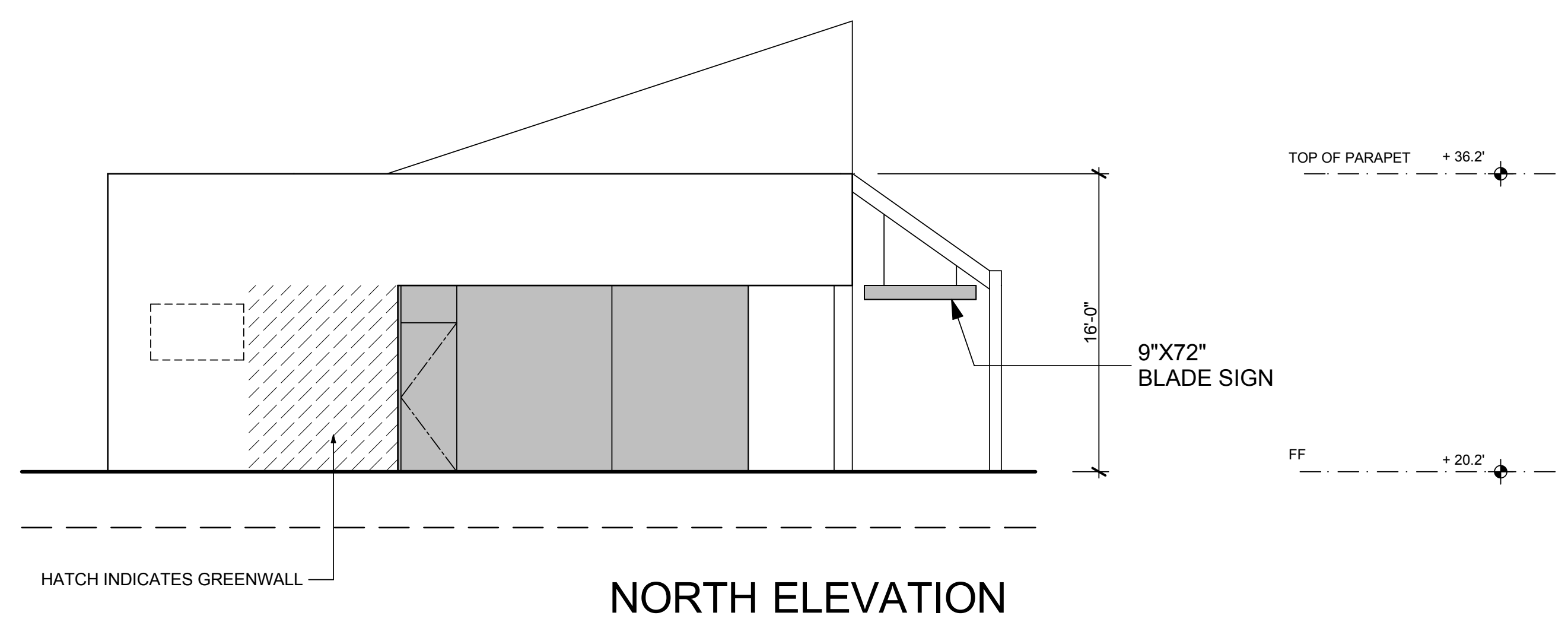
REVISION NO.


TOP OF ROOF + 44.1'
MAX HEIGHT
TOP OF PARAPET + 36.2'
FF + 20.2'
LOWEST EXIST.GRADE + 16.1'
12
3.9
28'-0" MAX. BLDG. HEIGHT
23'-11"
3'-0" MIN.
10'-0"
16'-0"
20'-1"
LOWEST EXIST.GRADE
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)

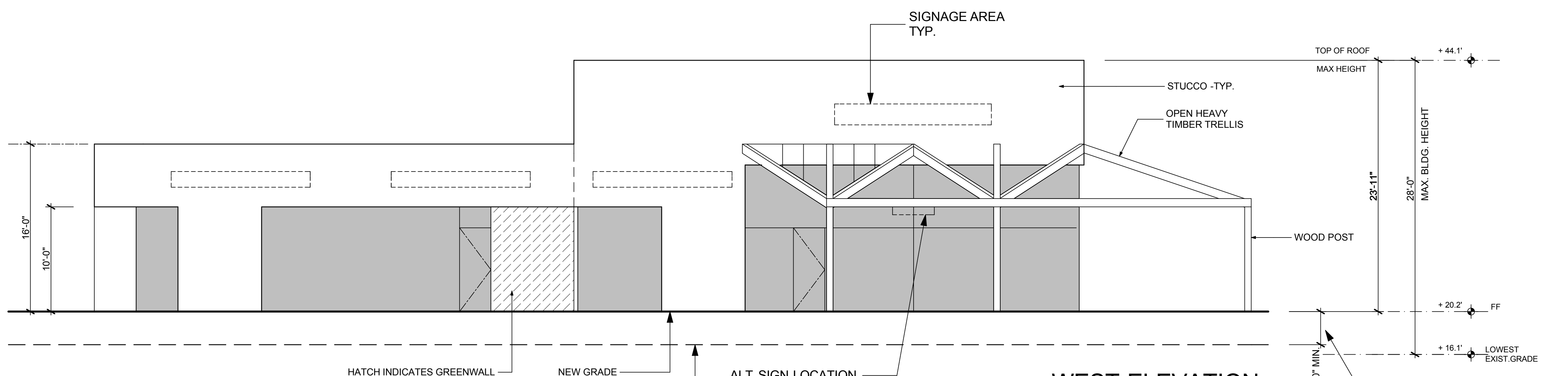
SOUTH ELEVATION


ROOF BEYOND
METAL ROOF
STUCCO FINISH
+ 36.2' TOP OF PARAPET
+ 20.2' FF
+ 16.1' LOWEST EXIST.GRADE
10'-0"
10'-0"
16'-0"
20'-1"
3'-0" MIN.
RECESSED WALL W/ GREENWALL
HATCH INDICATES GREENWALL
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)

EAST ELEVATION

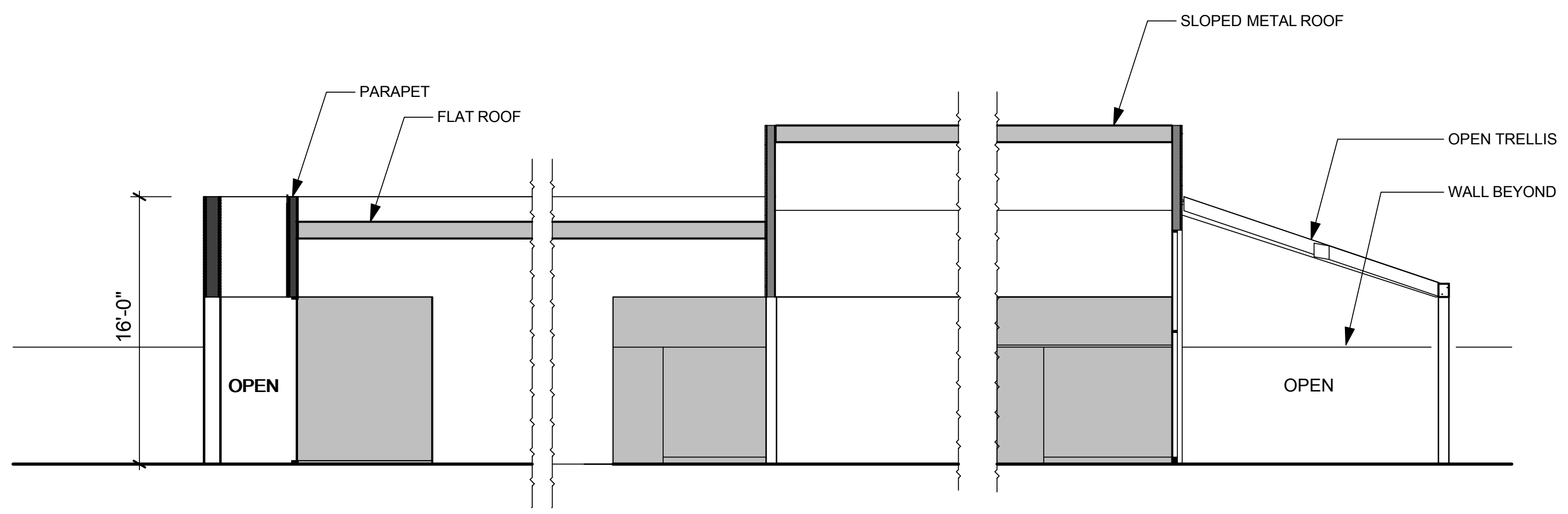

TOP OF PARAPET + 36.2'
FF + 20.2'
16'-0"
9"X72" BLADE SIGN
HATCH INDICATES GREENWALL

NORTH ELEVATION

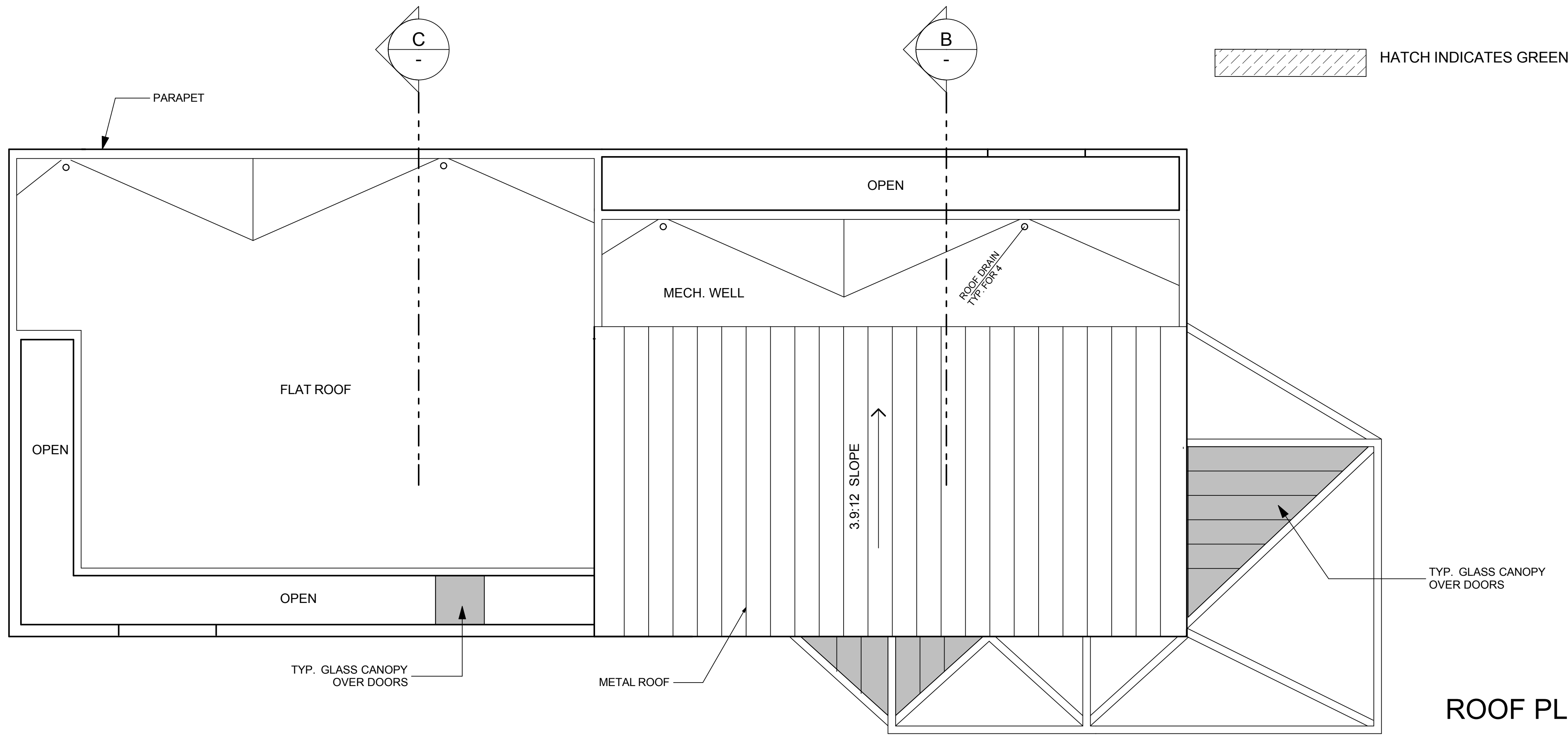

SIGNAGE AREA TYP.
TOP OF ROOF + 44.1'
MAX HEIGHT
STUCCO -TYP.
OPEN HEAVY TIMBER TRELLIS
WOOD POST
16'-0"
10'-0"
23'-11"
28'-0" MAX. BLDG. HEIGHT
+ 20.2' FF
+ 16.1' LOWEST EXIST.GRADE
3'-0" MIN.
HATCH INDICATES GREENWALL
NEW GRADE
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)
ALT. SIGN LOCATION
PER FEMA REQUIREMENT (TYP.)

WEST ELEVATION

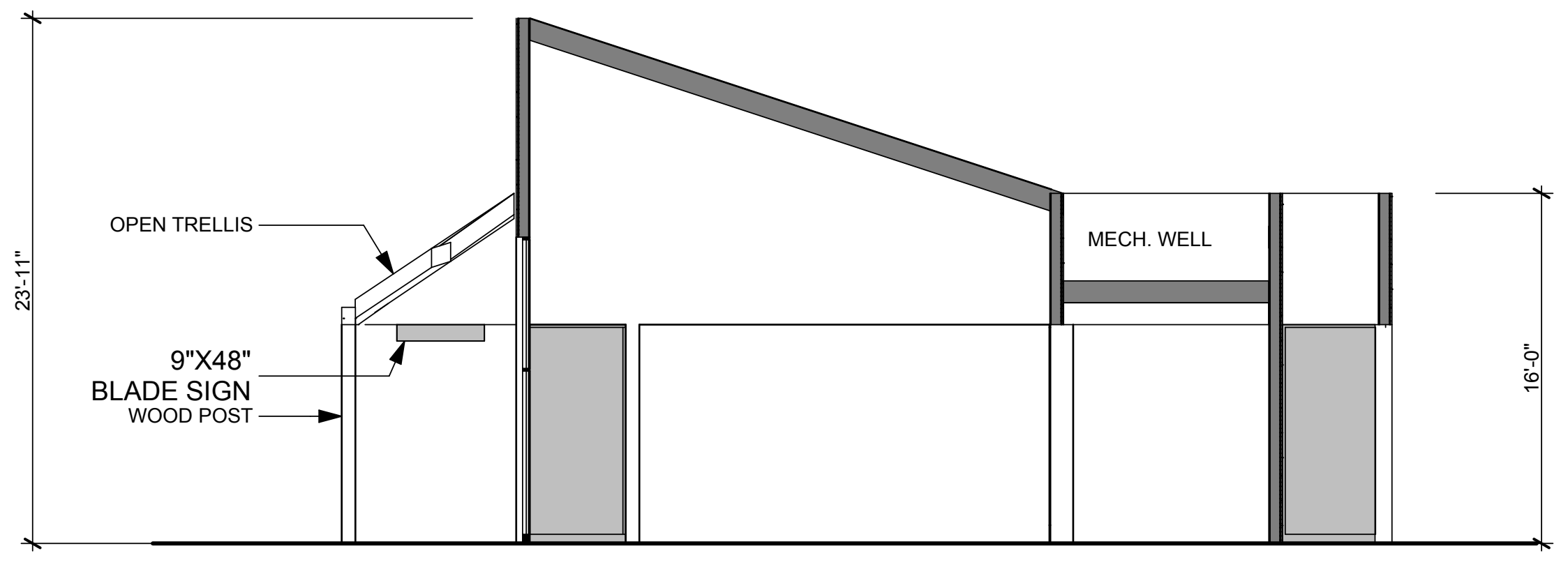
▨ HATCH INDICATES GREENWALL


SLOPED METAL ROOF
PARAPET
FLAT ROOF
OPEN TRELLIS
WALL BEYOND
16'-0"
OPEN
OPEN

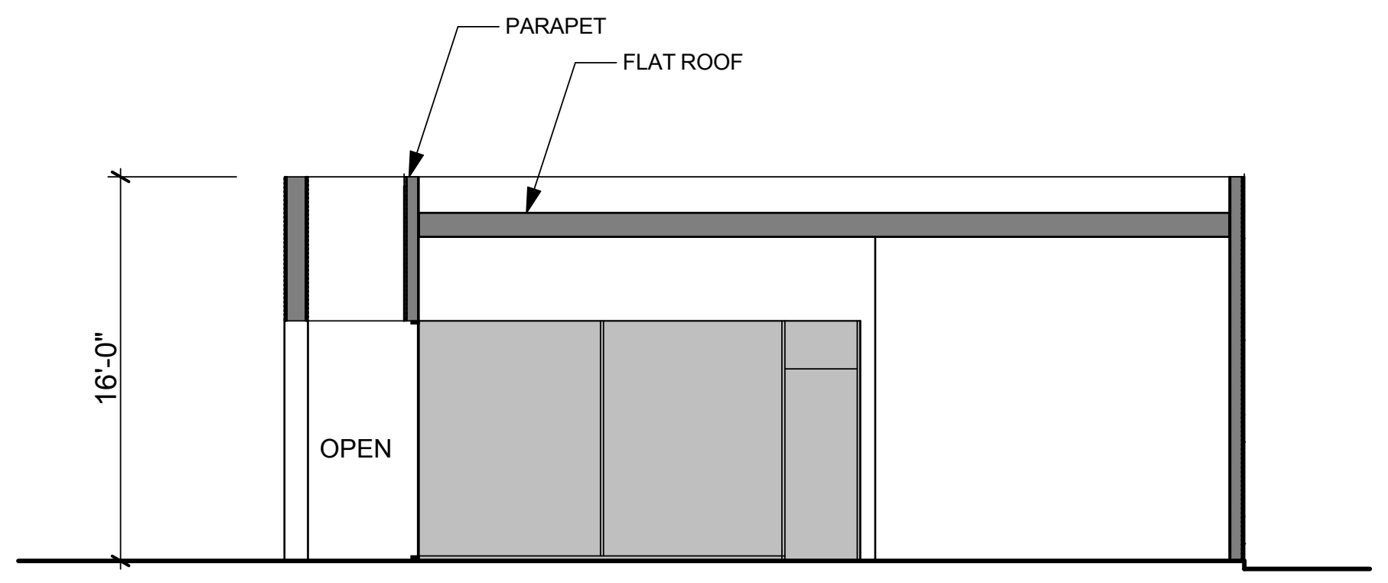
SECTION - A


C
B
PARAPET
OPEN
MECH. WELL
ROOF DRAIN TYP. FOR 4
FLAT ROOF
OPEN
3.9:12 SLOPE
OPEN
TYP. GLASS CANOPY OVER DOORS
TYP. GLASS CANOPY OVER DOORS
METAL ROOF

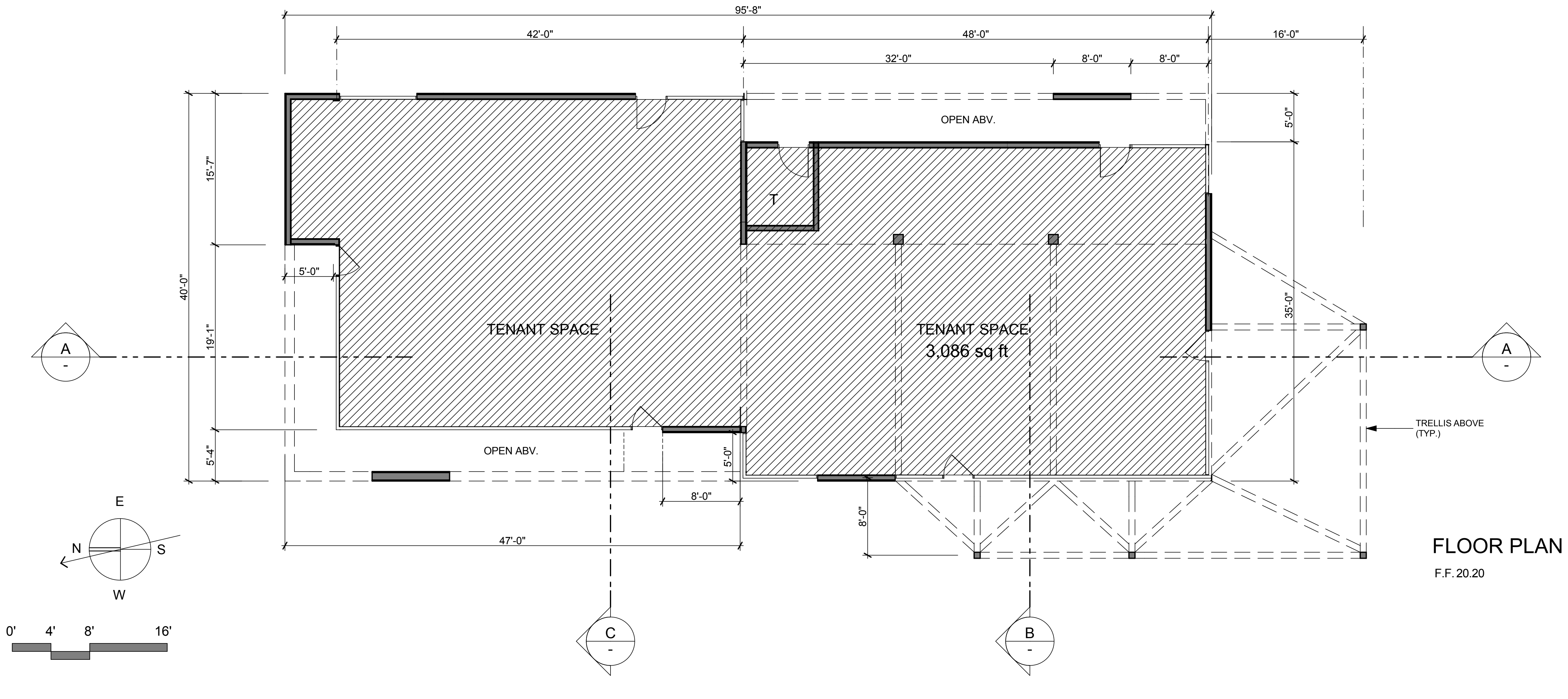
ROOF PLAN


23'-11"
OPEN TRELLIS
9"X48" BLADE SIGN
WOOD POST
MECH. WELL
16'-0"

SECTION - B


PARAPET
FLAT ROOF
16'-0"
OPEN

SECTION - C


95'-8"
42'-0"
48'-0"
16'-0"
32'-0"
8'-0"
8'-0"
OPEN ABV.
5'-0"
15'-7"
40'-0"
19'-1"
5'-4"
5'-0"
T
TENANT SPACE
TENANT SPACE
3,086 sq ft
35'-0"
A
A
TRELLIS ABOVE (TYP.)
OPEN ABV.
5'-0"
8'-0"
8'-0"
47'-0"
C
B
E
N
S
W
0'
4'
8'
16'

FLOOR PLAN

F.F. 20.20

GOLDMAN
FIRTH
ROSSI
ARCHITECTS

24955 PACIFIC COAST HIGHWAY
SUITE A202 MALIBU CA 90265
310. 456. 1831 FAX.310. 456. 7690
WWW.GFARCHITECTS.COM

NO.	DATE	REVISION
1	------	-------

NO.	DATE	ISSUED
1	05-05-10	PLANNING
2	09-20-10	PLANNING REVISION
5	03-04-13	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
IN THE PARK

JOB ADDRESS :

23401 CIVIC CENTER WAY
MALIBU, CA 90265

DRAWING TITLE :

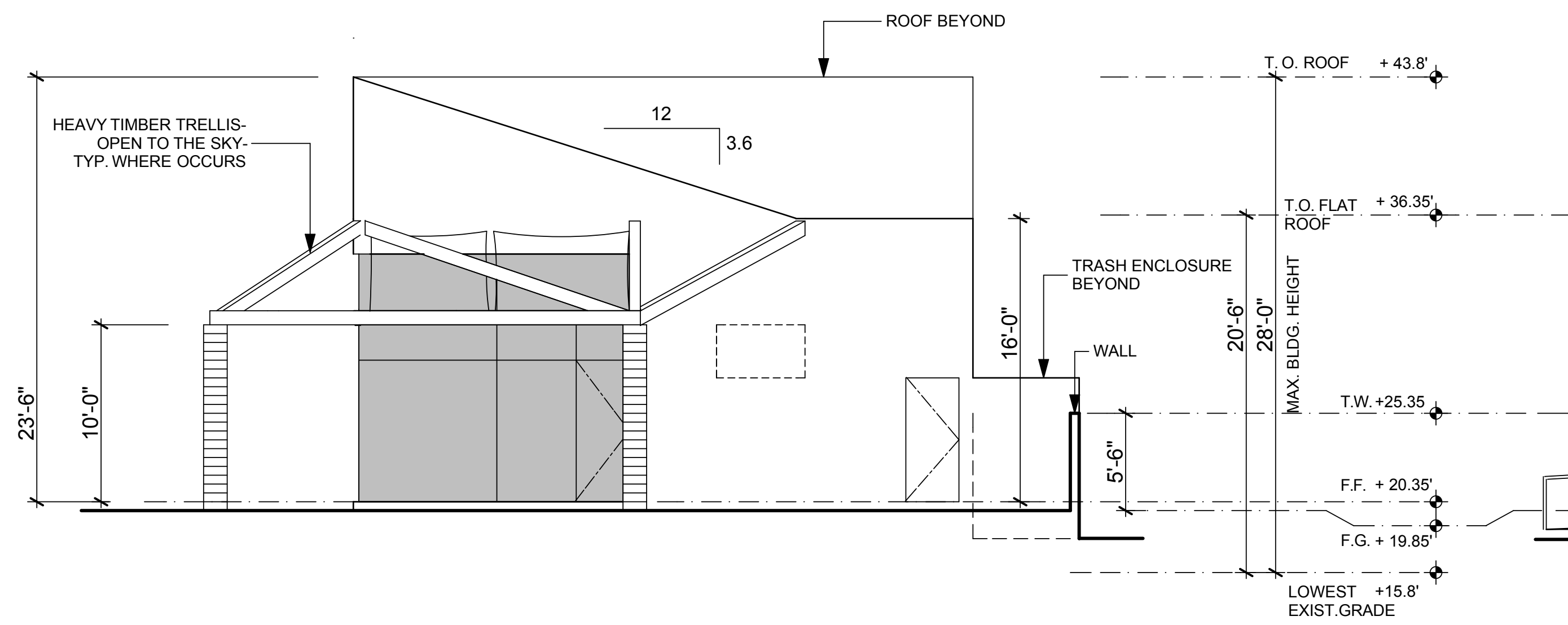
BLDG-2 PLAN &
ELEVATIONS

DATE : 03-04-13
SCALE : 1/8" = 1'-0"

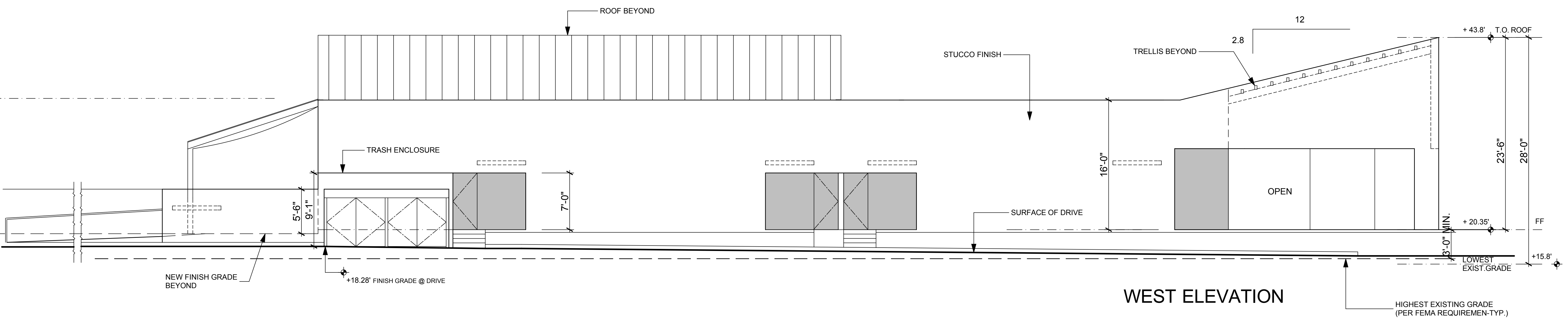
DRAWING NO.:

A-2.2

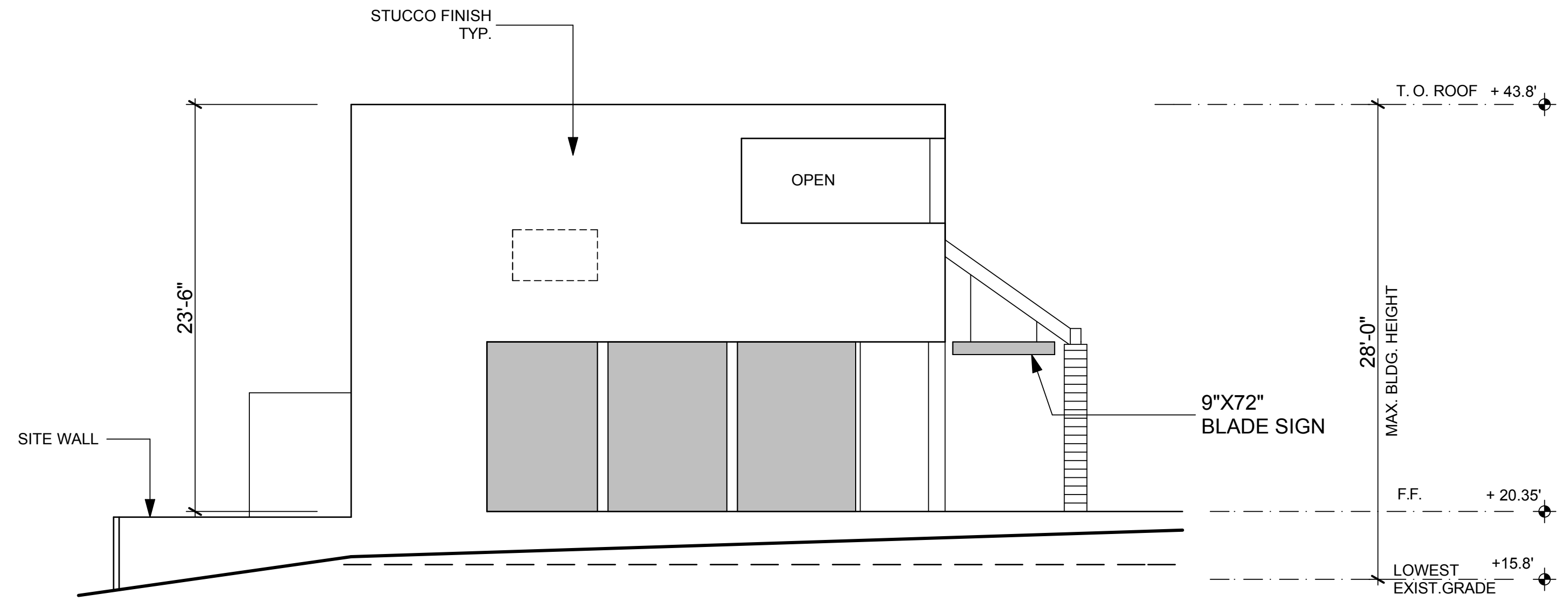
REVISION NO.


ROOF BEYOND
HEAVY TIMBER TRELLIS- OPEN TO THE SKY- TYP. WHERE OCCURS
12
3.6
TRASH ENCLOSURE BEYOND
WALL
T. O. ROOF + 43.8'
T.O. FLAT ROOF + 36.35'
T.W. +25.35
F.F. + 20.35'
F.G. + 19.85'
LOWEST EXIST.GRADE +15.8'
23'-6"
10'-0"
16'-0"
5'-6"
20'-6"
28'-0"
MAX. BLDG. HEIGHT

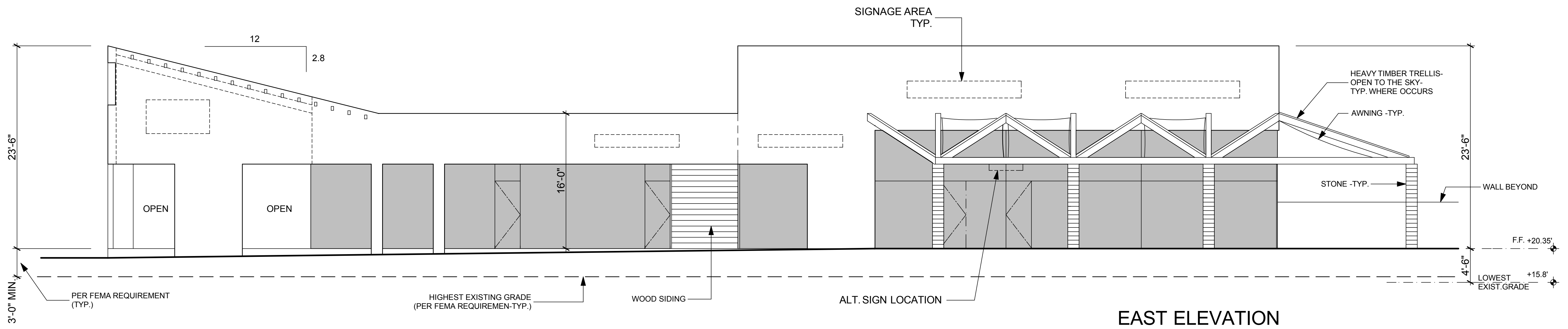
NORTH ELEVATION


ROOF BEYOND
STUCCO FINISH
TRELLIS BEYOND
12
2.8
TRASH ENCLOSURE
OPEN
SURFACE OF DRIVE
NEW FINISH GRADE BEYOND
+18.28' FINISH GRADE @ DRIVE
5'-6"
9'-1"
7'-0"
16'-0"
3'-0" MIN.
23'-6"
28'-0"
+ 43.8' T.O. ROOF
+ 20.35'
FF
+15.8'
LOWEST EXIST.GRADE
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)

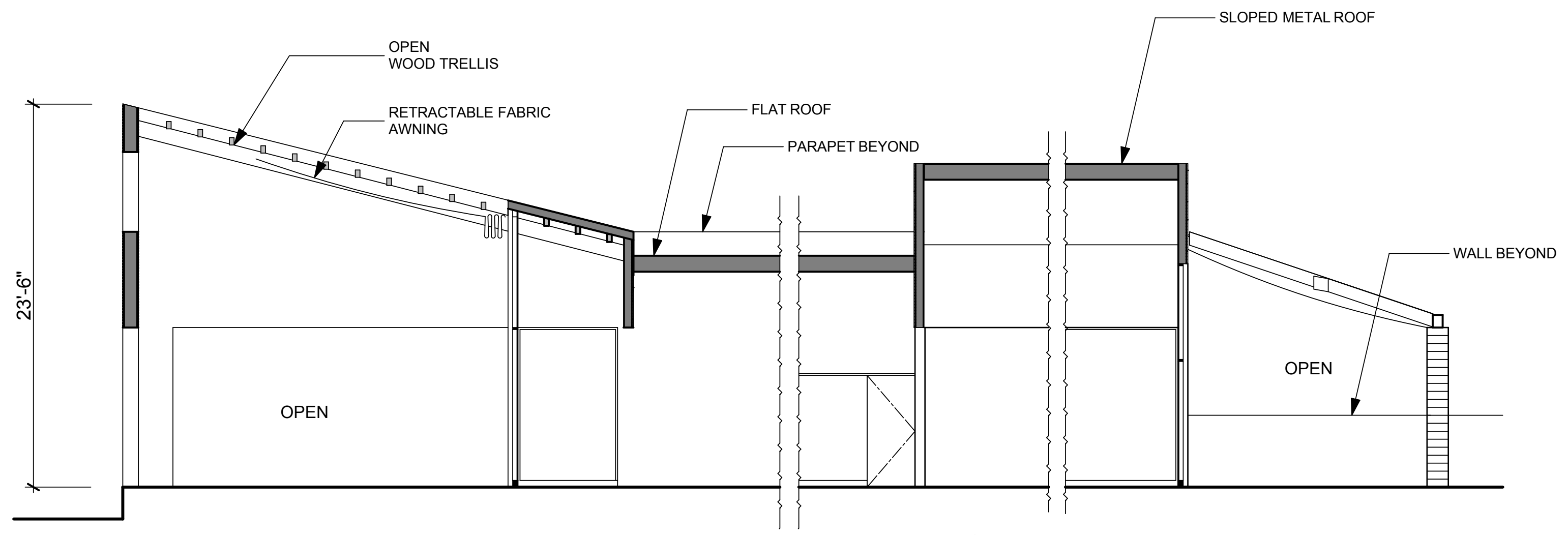
WEST ELEVATION


STUCCO FINISH TYP.
OPEN
SITE WALL
9"X72" BLADE SIGN
23'-6"
28'-0"
MAX. BLDG. HEIGHT
T. O. ROOF + 43.8'
F.F. + 20.35'
LOWEST EXIST.GRADE +15.8'

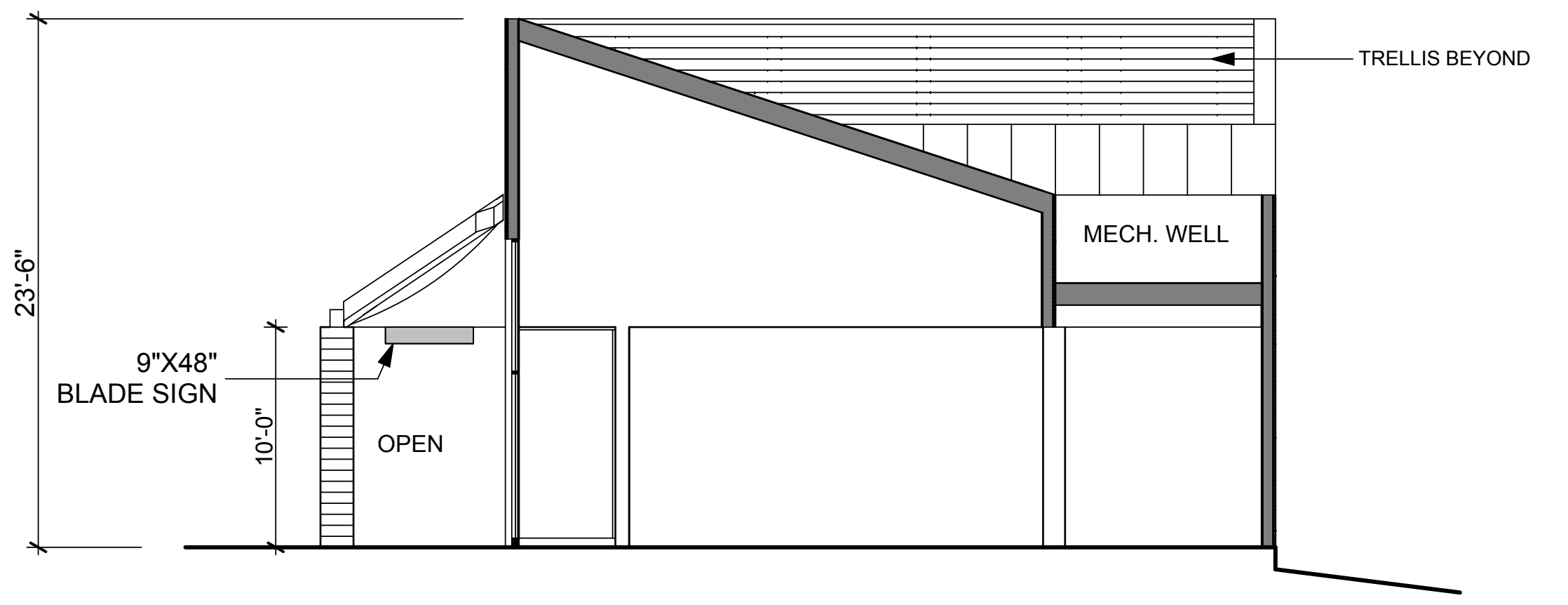
SOUTH ELEVATION


SIGNAGE AREA TYP.
12
2.8
HEAVY TIMBER TRELLIS- OPEN TO THE SKY- TYP. WHERE OCCURS
AWNING -TYP.
STONE -TYP.
WALL BEYOND
OPEN
OPEN
16'-0"
23'-6"
23'-6"
4'-6"
3'-0" MIN.
F.F. +20.35'
LOWEST EXIST.GRADE +15.8'
PER FEMA REQUIREMENT (TYP.)
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)
WOOD SIDING
ALT. SIGN LOCATION

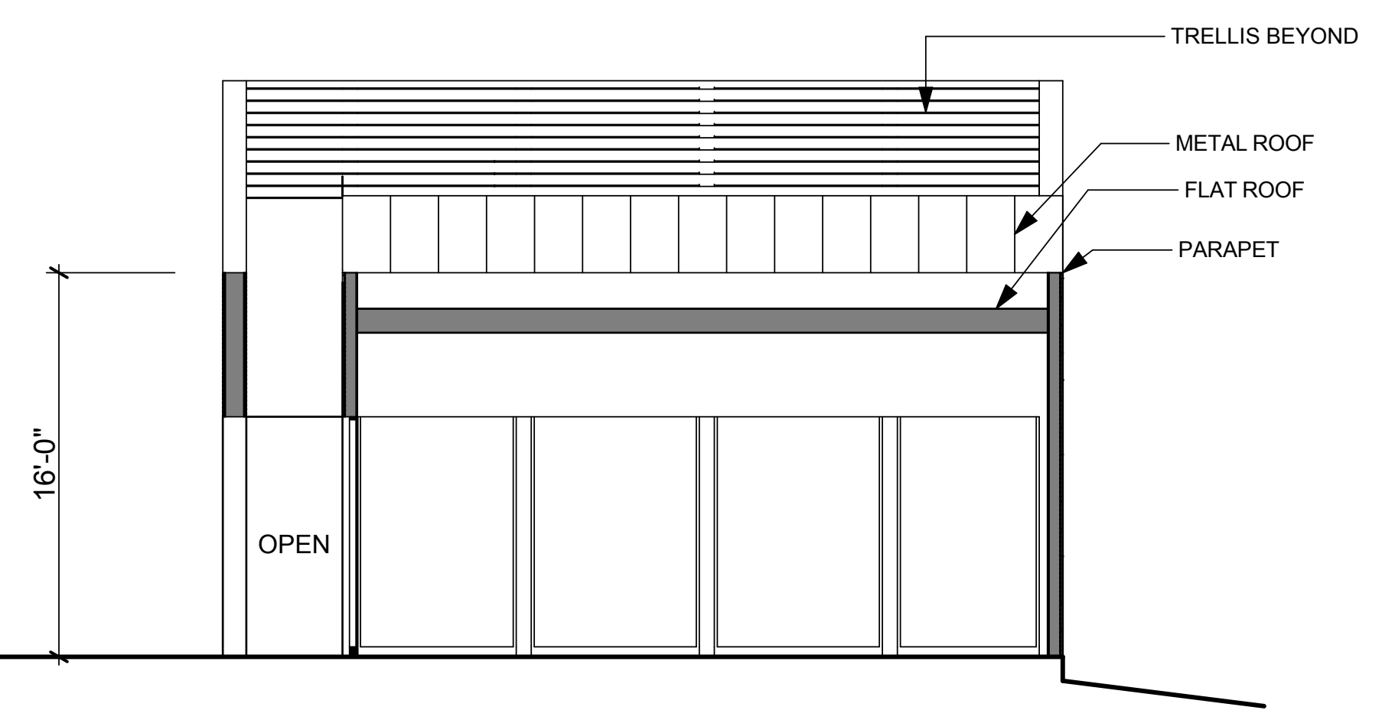
EAST ELEVATION


OPEN WOOD TRELLIS
RETRACTABLE FABRIC AWNING
FLAT ROOF
PARAPET BEYOND
SLOPED METAL ROOF
WALL BEYOND
OPEN
OPEN
23'-6"

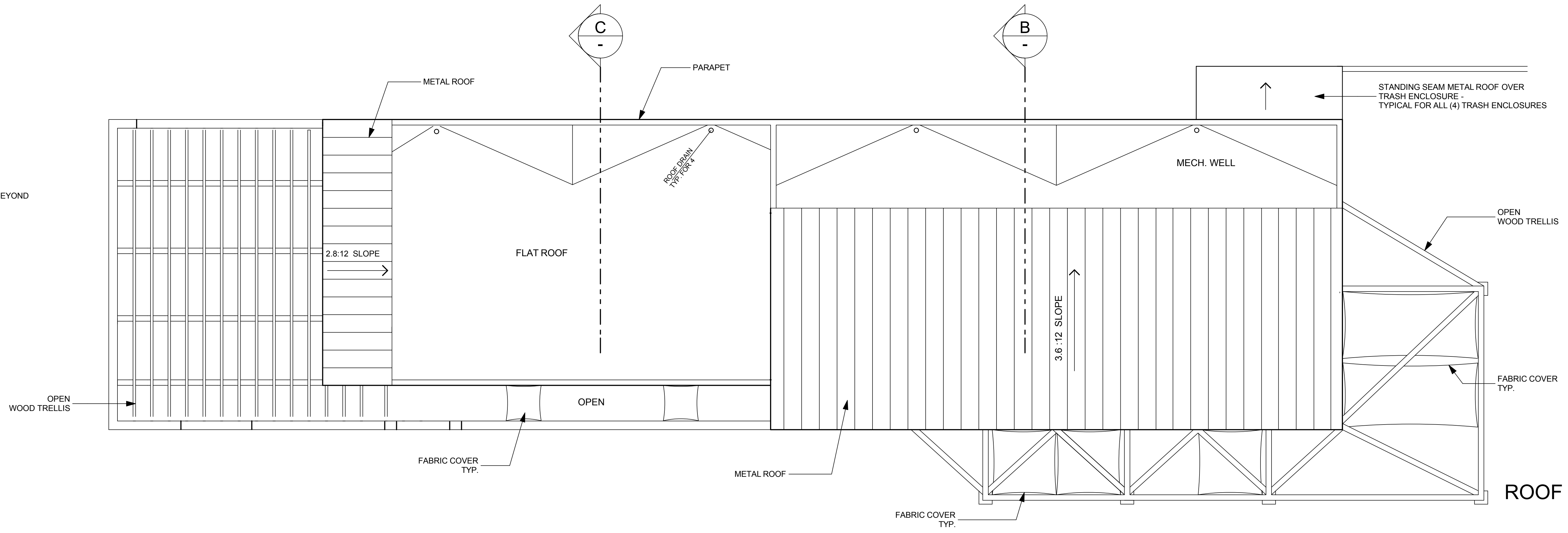
SECTION - A


TRELLIS BEYOND
MECH. WELL
9"X48" BLADE SIGN
OPEN
23'-6"
10'-0"

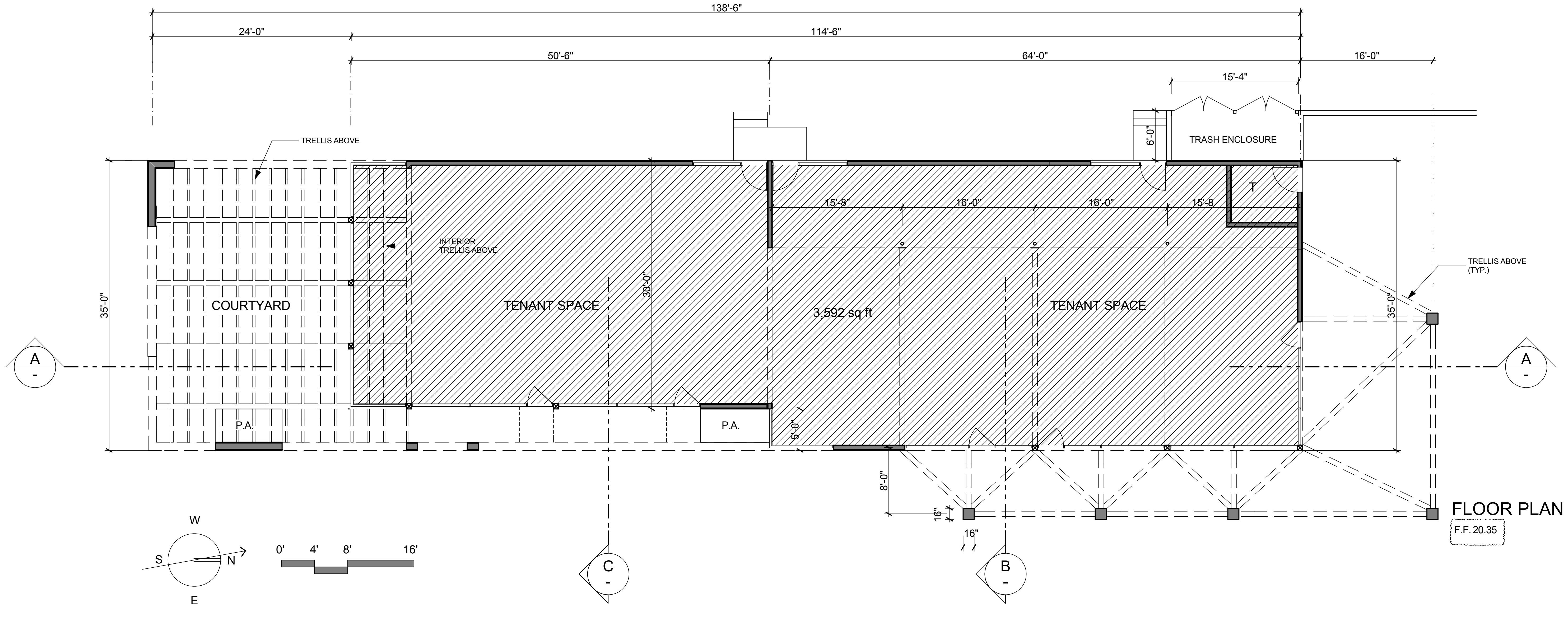
SECTION - B


TRELLIS BEYOND
METAL ROOF
FLAT ROOF
PARAPET
OPEN
16'-0"

SECTION - C


C
B
METAL ROOF
PARAPET
STANDING SEAM METAL ROOF OVER TRASH ENCLOSURE - TYPICAL FOR ALL (4) TRASH ENCLOSURES
ROOF DRAIN TYP. FOR 4
MECH. WELL
FLAT ROOF
2.8:12 SLOPE
3.6 :12 SLOPE
OPEN WOOD TRELLIS
OPEN WOOD TRELLIS
OPEN
FABRIC COVER TYP.
FABRIC COVER TYP.
FABRIC COVER TYP.
METAL ROOF

ROOF PLAN


138'-6"
24'-0"
114'-6"
50'-6"
64'-0"
16'-0"
15'-4"
TRELLIS ABOVE
INTERIOR TRELLIS ABOVE
TRASH ENCLOSURE
6'-0"
T
15'-8"
16'-0"
16'-0"
15'-8
TRELLIS ABOVE (TYP.)
35'-0"
35'-0"
30'-0"
COURTYARD
TENANT SPACE
3,592 sq ft
TENANT SPACE
A
P.A.
P.A.
5'-0"
8'-0"
16"
16"
C
B
W
S
N
E
0'
4'
8'
16'

FLOOR PLAN

F.F. 20.35

GOLDMAN FIRTH ROSSI
ARCHITECTS

24955 PACIFIC COAST HIGHWAY
SUITE A202 MALIBU CA 90265
310. 456. 1831 FAX.310. 456. 7690
WWW.GFARCHITECTS.COM

These drawings and specifications are the property and copyright of the architect and shall not be used on any other work except by agreement with the architect. Written dimensions shall take prerference over scaled dimensions and shall be verified on the job site. Any discrepancy shall be brought to the notice of the architect prior to the commencement of any work.

NO.	DATE	REVISION
1	------	-------

NO.	DATE	ISSUED
1	05-05-10	PLANNING
2	09-20-10	PLANNING REVISION
4	02-21-12	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
IN THE PARK

JOB ADDRESS :

23401 CIVIC CENTER WAY
MALIBU, CA 90265

DRAWING TITLE :

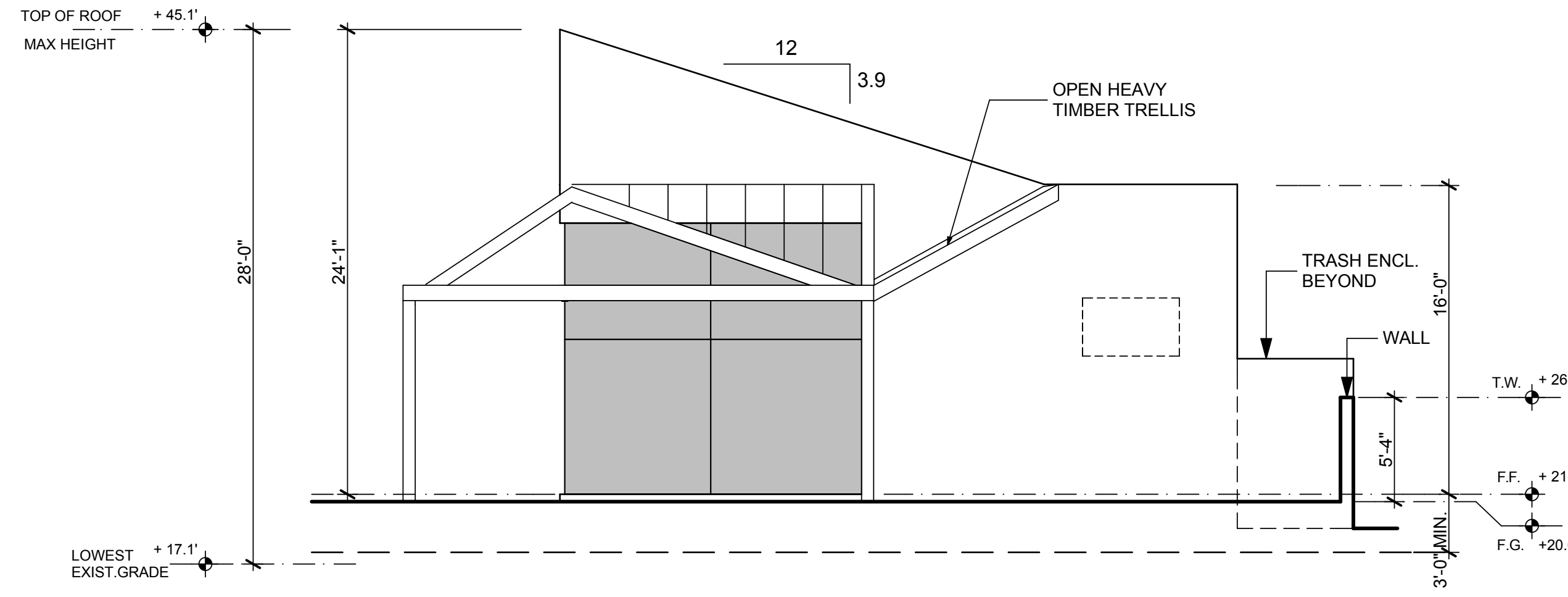
BLDG 3 - PLAN
& ELEVATIONS

DATE : 02.21.12
SCALE : 1/8" = 1'-0"

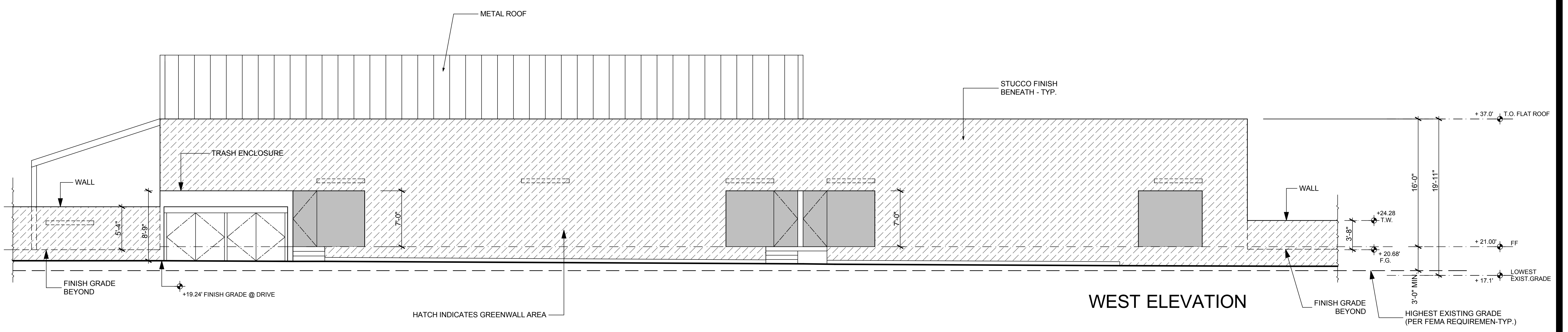
DRAWING NO.:

A-2.3

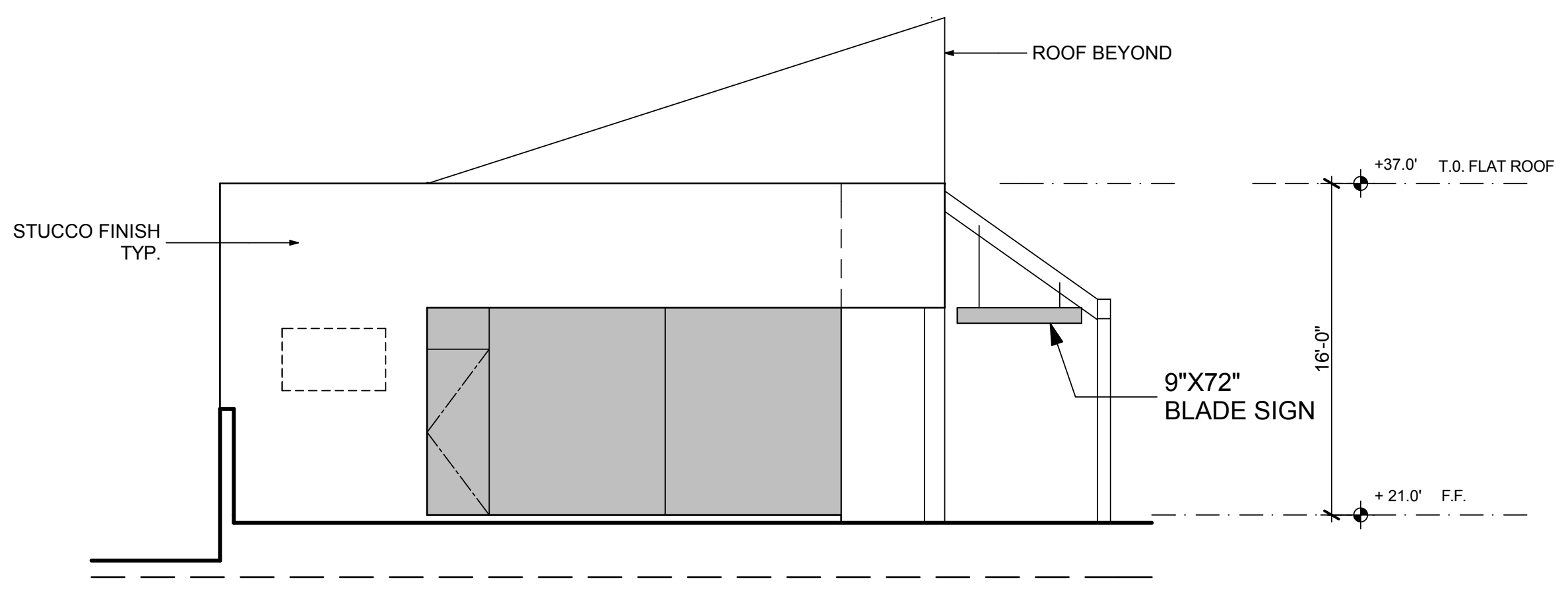
REVISION NO.


TOP OF ROOF + 45.1'
MAX HEIGHT
12
3.9
OPEN HEAVY TIMBER TRELLIS
28'-0"
24'-1"
16'-0"
TRASH ENCL. BEYOND
WALL
T.W. + 26.00'
5'-4"
F.F. + 21.00'
F.G. +20.62'
3'-0" MIN.
LOWEST EXIST.GRADE + 17.1'

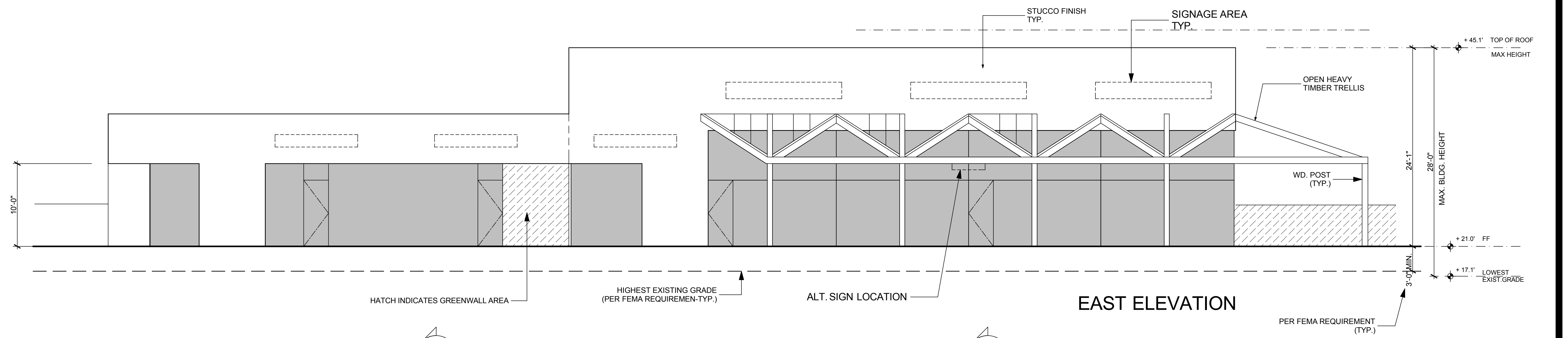
NORTH ELEVATION


METAL ROOF
STUCCO FINISH BENEATH - TYP.
TRASH ENCLOSURE
WALL
5'-4"
8'-9"
7'-0"
FINISH GRADE BEYOND
+19.24' FINISH GRADE @ DRIVE
HATCH INDICATES GREENWALL AREA
WALL
+ 37.0' T.O. FLAT ROOF
16'-0"
19'-11"
+24.28 T.W.
3'-8"
+ 21.00' FF
+ 20.68' F.G.
+ 17.1' LOWEST EXIST.GRADE
3'-0" MIN.
FINISH GRADE BEYOND
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)

WEST ELEVATION

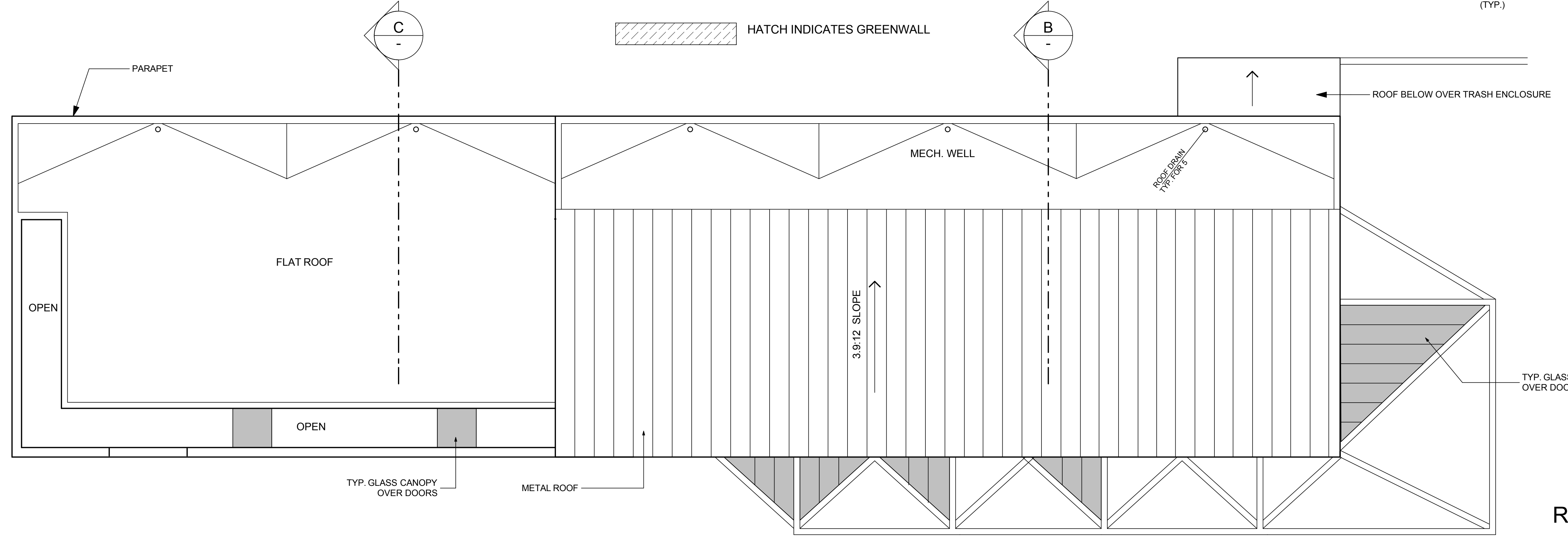

ROOF BEYOND
STUCCO FINISH TYP.
+37.0' T.O. FLAT ROOF
16'-0"
9"X72" BLADE SIGN
+ 21.0' F.F.

SOUTH ELEVATION

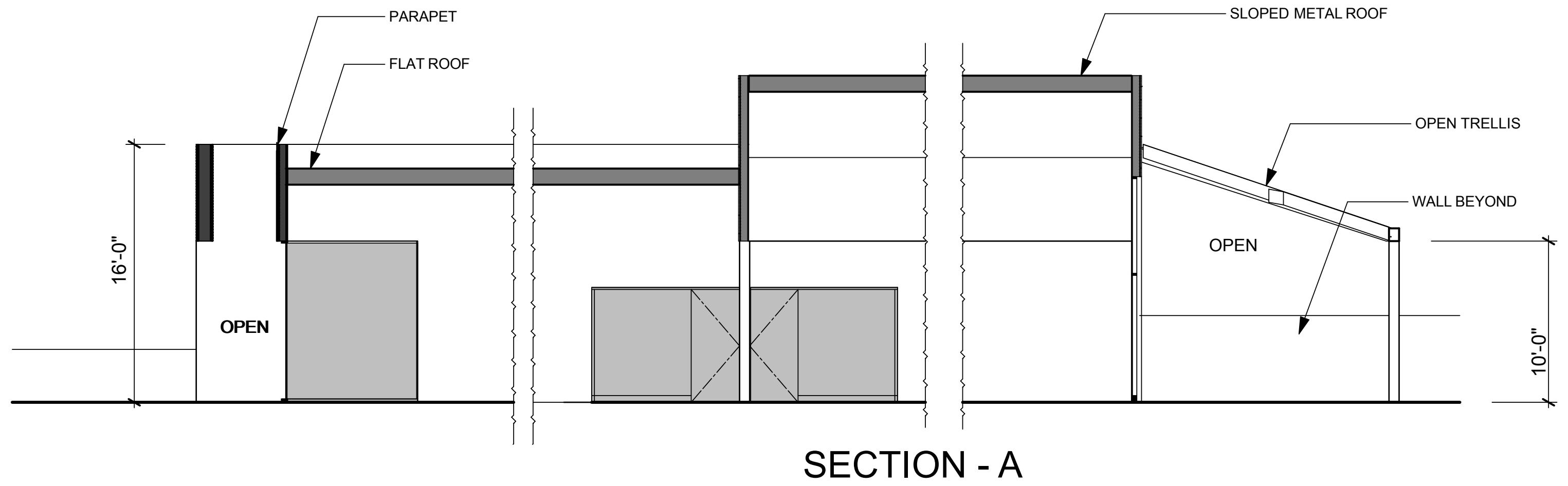

STUCCO FINISH TYP.
SIGNAGE AREA TYP.
OPEN HEAVY TIMBER TRELLIS
10'-0"
WD. POST (TYP.)
+ 45.1' TOP OF ROOF
MAX HEIGHT
24'-1"
28'-0" MAX. BLDG. HEIGHT
+ 21.0' FF
+ 17.1' LOWEST EXIST.GRADE
3'-0" MIN.
HATCH INDICATES GREENWALL AREA
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)
ALT. SIGN LOCATION
PER FEMA REQUIREMENT (TYP.)

EAST ELEVATION

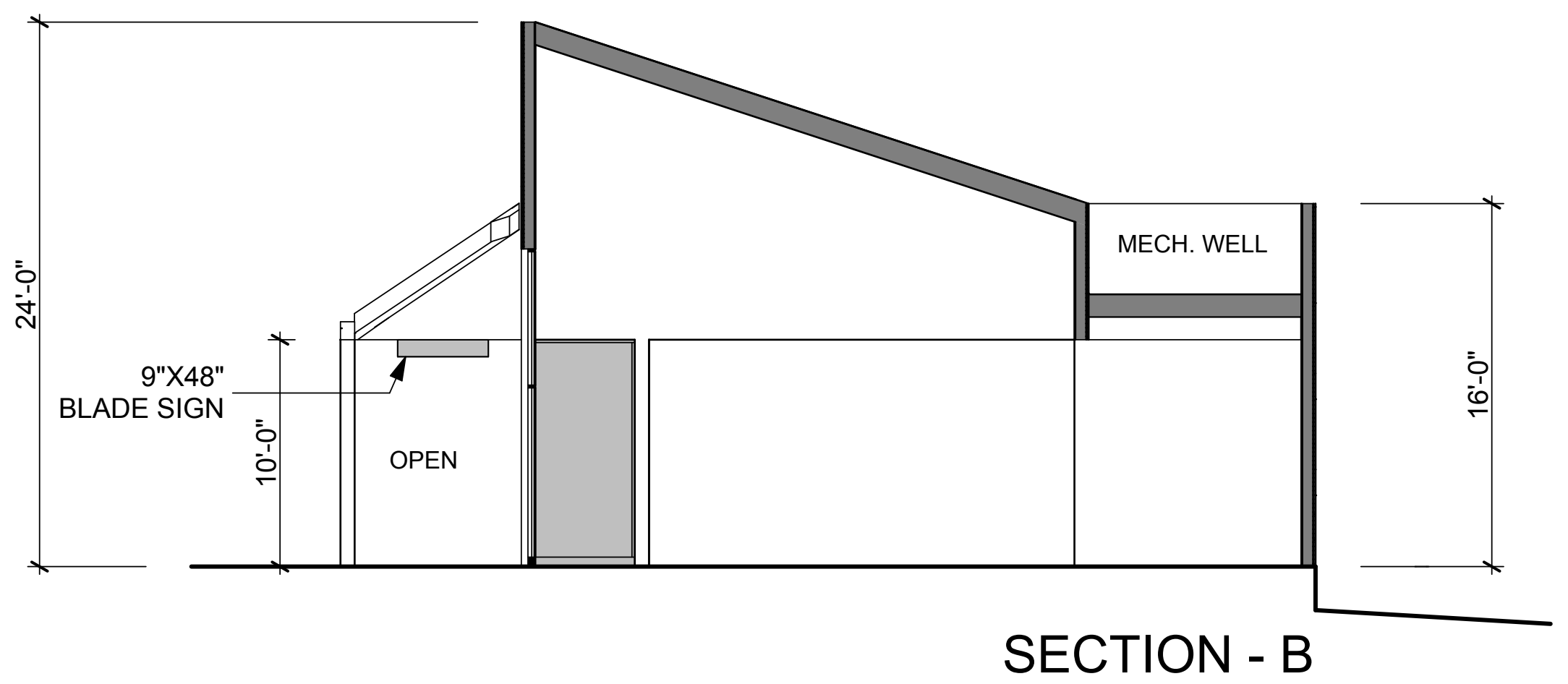
▨ HATCH INDICATES GREENWALL


C
B
PARAPET
ROOF BELOW OVER TRASH ENCLOSURE
MECH. WELL
ROOF DRAIN TYP FOR 5
FLAT ROOF
OPEN
OPEN
3.9:12 SLOPE
TYP. GLASS CANOPY OVER DOORS
TYP. GLASS CANOPY OVER DOORS
METAL ROOF

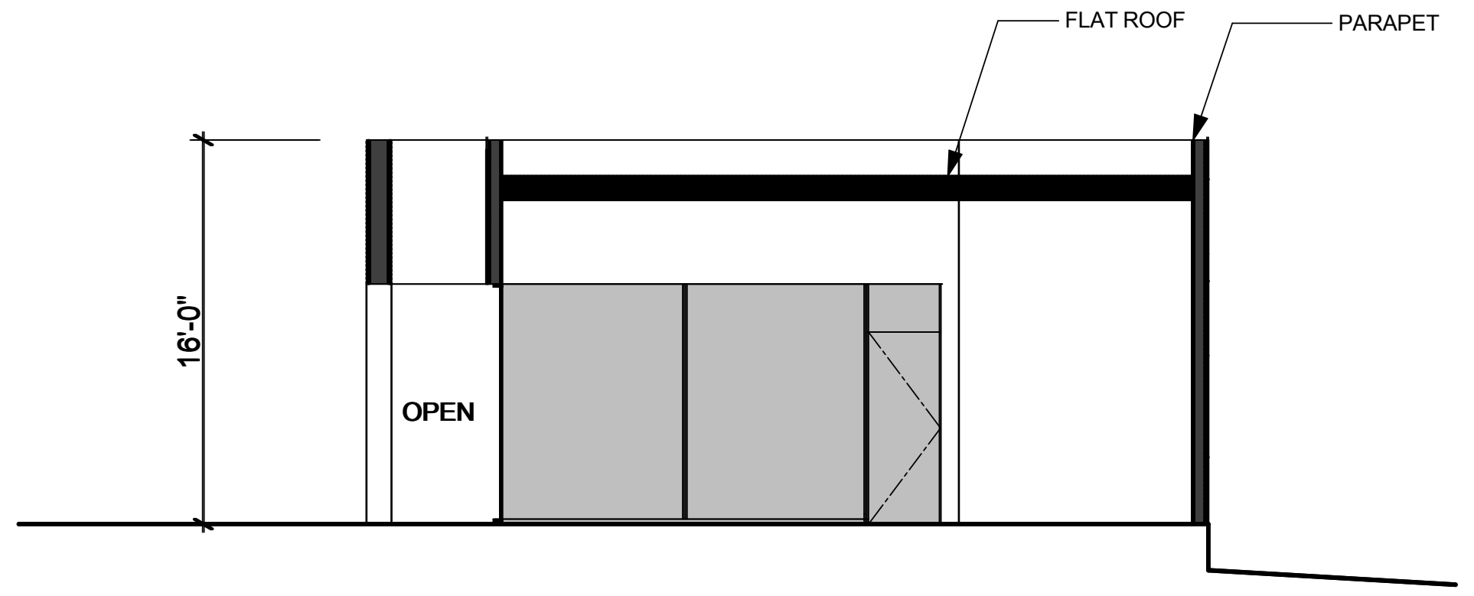
ROOF PLAN


PARAPET
FLAT ROOF
SLOPED METAL ROOF
OPEN TRELLIS
WALL BEYOND
16'-0"
OPEN
OPEN
10'-0"

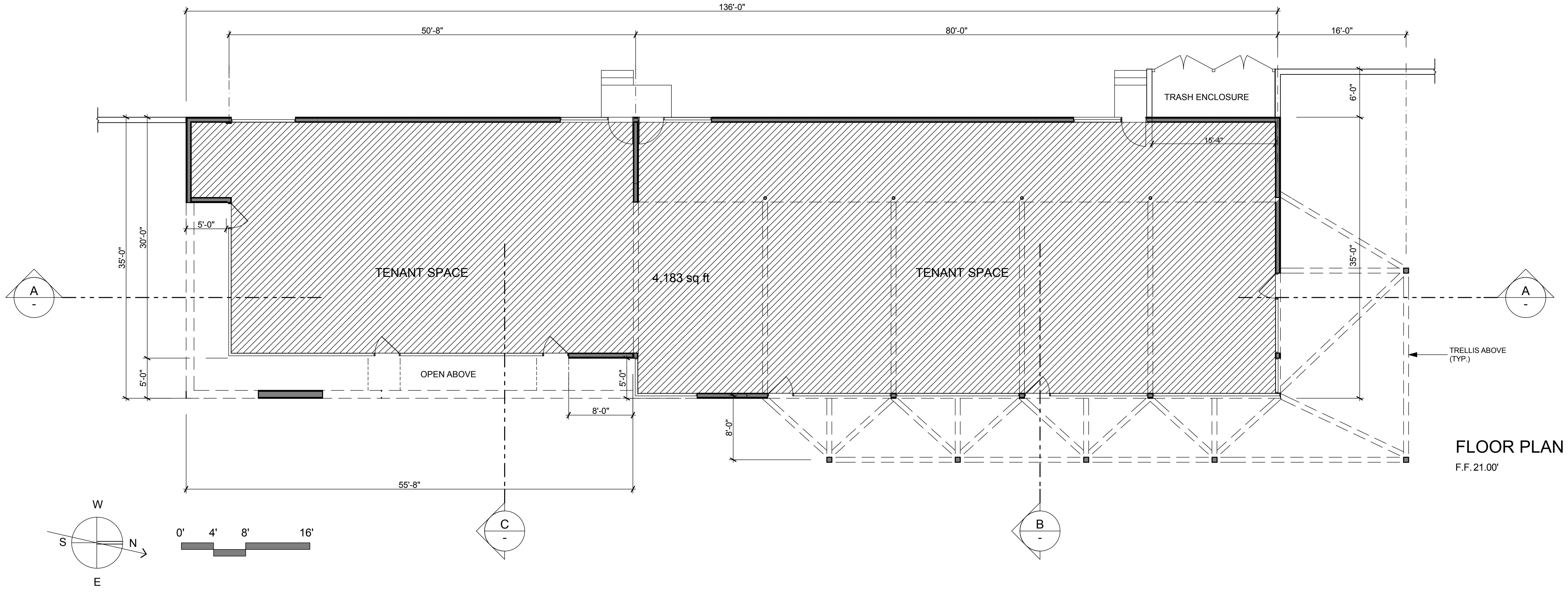
SECTION - A


24'-0"
9"X48" BLADE SIGN
10'-0"
OPEN
MECH. WELL
16'-0"

SECTION - B


FLAT ROOF
PARAPET
16'-0"
OPEN

SECTION - C


136'-0"
50'-8"
80'-0"
16'-0"
TRASH ENCLOSURE
6'-0"
15'-4"
5'-0"
35'-0"
30'-0"
5'-0"
TENANT SPACE
4,183 sq ft
TENANT SPACE
OPEN ABOVE
5'-0"
8'-0"
8'-0"
35'-0"
TRELLIS ABOVE (TYP.)
55'-8"
A
A
C
C
B
B
W
S
N
E
0'
4'
8'
16'

FLOOR PLAN
F.F. 21.00'

GOLDMAN
FIRTH
ROSSI
ARCHITECTS

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NO.	DATE	REVISION
1	------	------

NO.	DATE	ISSUED
1	05-05-10	PLANNING
2	09-20-10	PLANNING REVISION
4	02-21-12	PLANNING REVISION
5	03-04-13	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
IN THE PARK

JOB ADDRESS :

23401 CIVIC CENTER WAY
MALIBU, CA 90265

DRAWING TITLE :

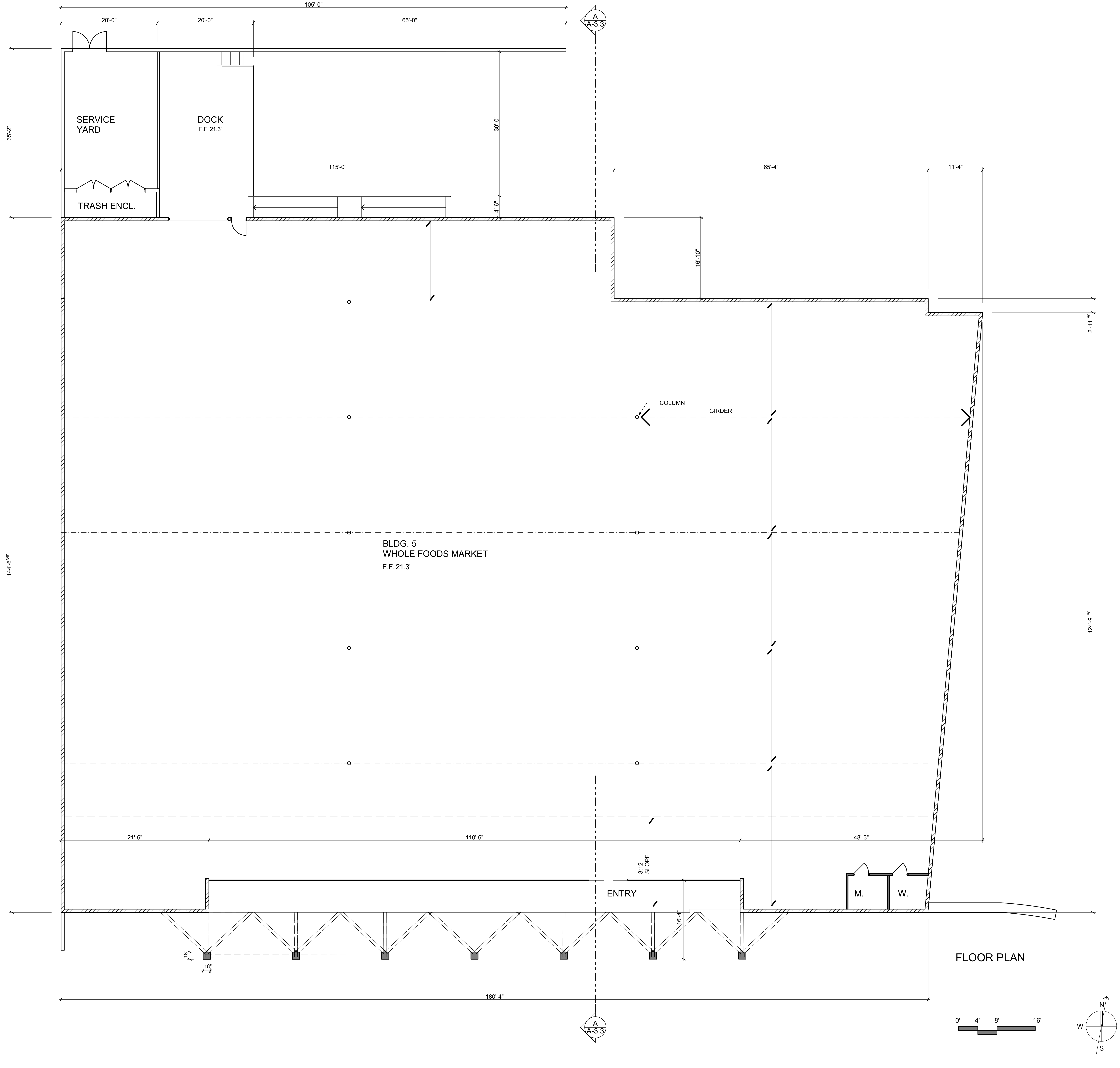
BLDG - 4 PLAN
& ELEVATIONS

DATE : 03-04-13
SCALE : 1/8" = 1'-0"

DRAWING NO.:

A-2.4

REVISION NO.


105'-0"
20'-0"
20'-0"
65'-0"
A
A-3.3
35'-2"
SERVICE
YARD
DOCK
F.F. 21.3'
30'-0"
115'-0"
65'-4"
11'-4"
TRASH ENCL.
4'-6"
16'-10"
2'-11 1/8"
COLUMN
GIRDER
144'-6 3/8"
BLDG. 5
WHOLE FOODS MARKET
F.F. 21.3'
124'-9 1/8"
21'-6"
110'-6"
48'-3"
3:12
SLOPE
ENTRY
M.
W.
16'-4"
18"
18"
180'-4"
A
A-3.3
0'
4'
8'
16'
N
W
E
S

FLOOR PLAN

GOLDMAN
FIRTH
ROSSI
A R C H I T E C T S

24955 PACIFIC COAST HIGHWAY
SUITE A202 MALIBU CA 90265
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NO.	DATE	REVISION
1	------	-------

NO.	DATE	ISSUED
1	05-05-10	PLANNING
2	09-20-10	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
IN THE PARK

JOB ADDRESS :

23401 CIVIC CENTER WAY
MALIBU, CA 90265

DRAWING TITLE :

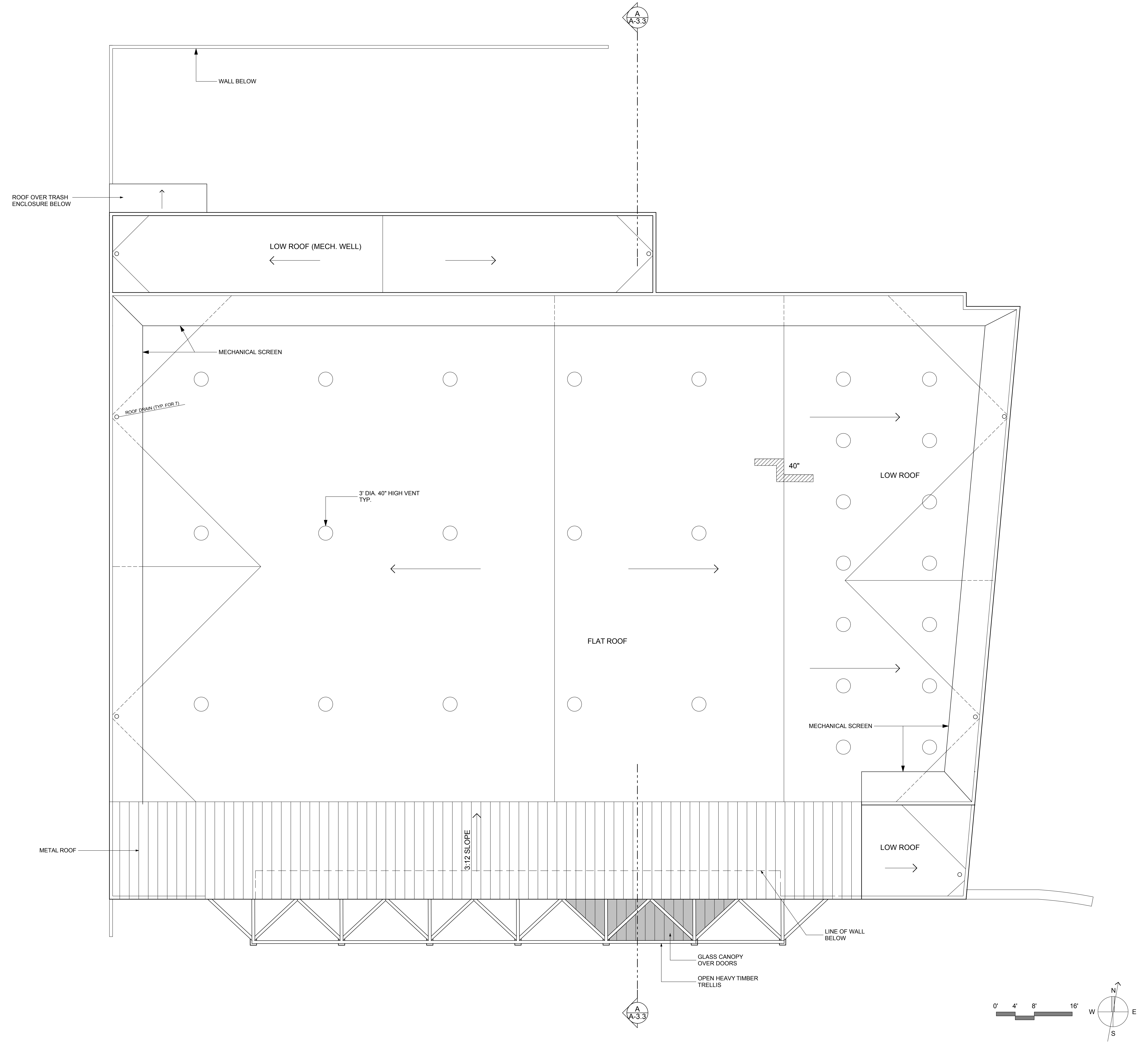
BLDG.5
MARKET
FLOOR PLAN

DATE : 02-21-12
SCALE : 1/8= 1'-0"

DRAWING NO.:

A-3.1

REVISION NO.


A
A-3.3
WALL BELOW
ROOF OVER TRASH
ENCLOSURE BELOW
LOW ROOF (MECH. WELL)
MECHANICAL SCREEN
ROOF DRAIN (TYP. FOR 7)
40"
LOW ROOF
3' DIA. 40" HIGH VENT
TYP.
FLAT ROOF
MECHANICAL SCREEN
METAL ROOF
3:12 SLOPE
LOW ROOF
LINE OF WALL
BELOW
GLASS CANOPY
OVER DOORS
OPEN HEAVY TIMBER
TRELLIS
A
A-3.3
0'
4'
8'
16'
N
W
E
S

GOLDMAN
FIRTH
ROSSI
A R C H I T E C T S

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1	-------	--------

NO.	DATE	ISSUED
1	05-05-10	PLANNING
2	09-20-10	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
IN THE PARK

JOB ADDRESS :

23401 CIVIC CENTER WAY
MALIBU, CA 90265

DRAWING TITLE :

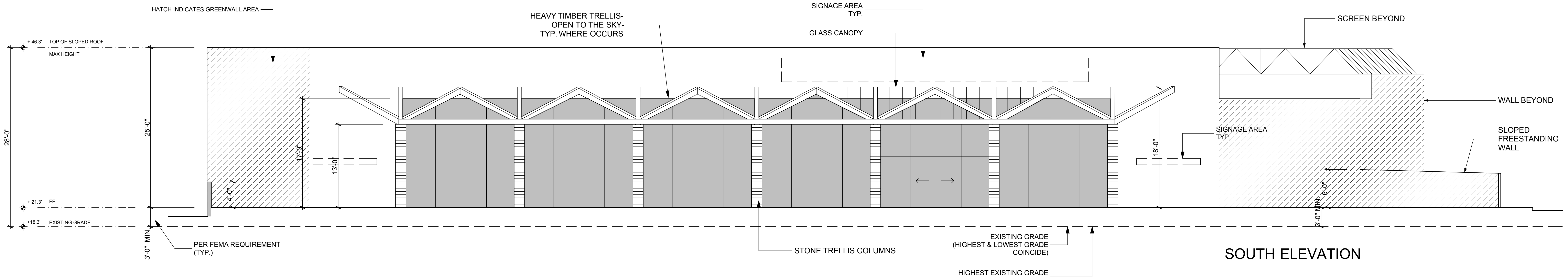
BLDG.5
MARKET
ROOF PLAN

DATE : 02-21-12
SCALE : 1/8= 1'-0"

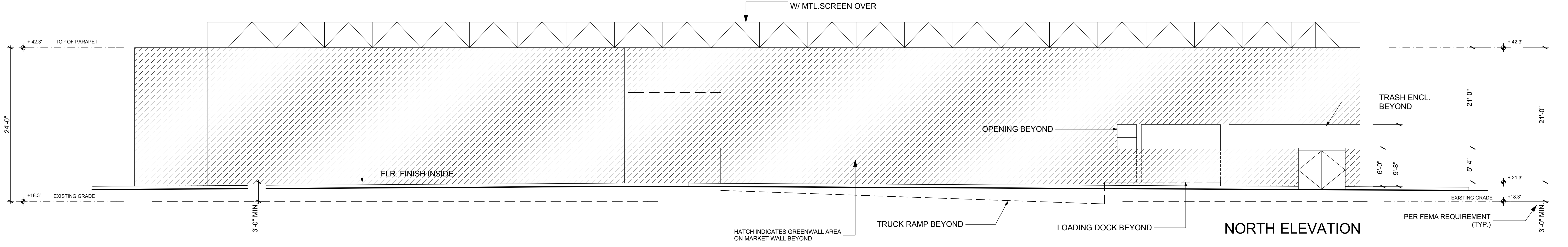
DRAWING NO.:

A-3.2

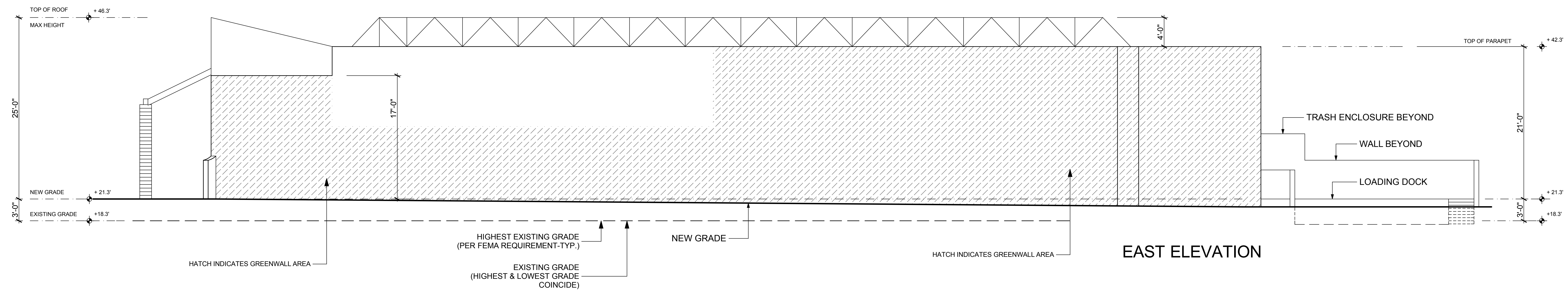
REVISION NO.


HATCH INDICATES GREENWALL AREA
HEAVY TIMBER TRELLIS-
OPEN TO THE SKY-
TYP. WHERE OCCURS
SIGNAGE AREA
TYP.
GLASS CANOPY
SCREEN BEYOND
WALL BEYOND
SIGNAGE AREA
TYP.
SLOPED
FREESTANDING
WALL
+ 46.3' TOP OF SLOPED ROOF
MAX HEIGHT
+ 21.3' FF
+18.3' EXISTING GRADE
28'-0"
25'-0"
17'-0"
13'-0"
4'-0"
18'-0"
6'-0"
3'-0" MIN
PER FEMA REQUIREMENT
(TYP.)
STONE TRELLIS COLUMNS
EXISTING GRADE
(HIGHEST & LOWEST GRADE
COINCIDE)
HIGHEST EXISTING GRADE
(PER FEMA REQUIREMENT-TYP.)

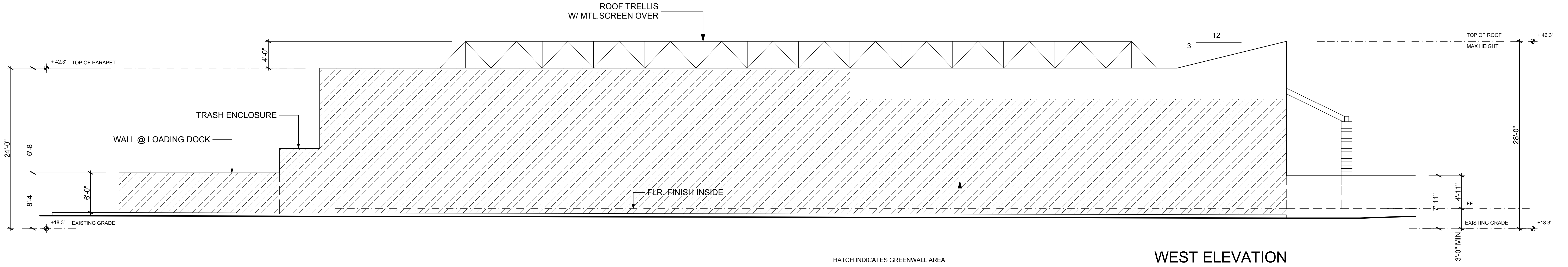
SOUTH ELEVATION


ROOF TRELLIS
W/ MTL.SCREEN OVER
+ 42.3' TOP OF PARAPET
24'-0"
+18.3' EXISTING GRADE
3'-0" MIN
FLR. FINISH INSIDE
OPENING BEYOND
TRASH ENCL.
BEYOND
21'-0"
21'-0"
5'-4"
6'-0"
9'-8"
+ 42.3'
+ 21.3'
+18.3'
EXISTING GRADE
HATCH INDICATES GREENWALL AREA
ON MARKET WALL BEYOND
TRUCK RAMP BEYOND
LOADING DOCK BEYOND
PER FEMA REQUIREMENT
(TYP.)
3'-0" MIN

NORTH ELEVATION

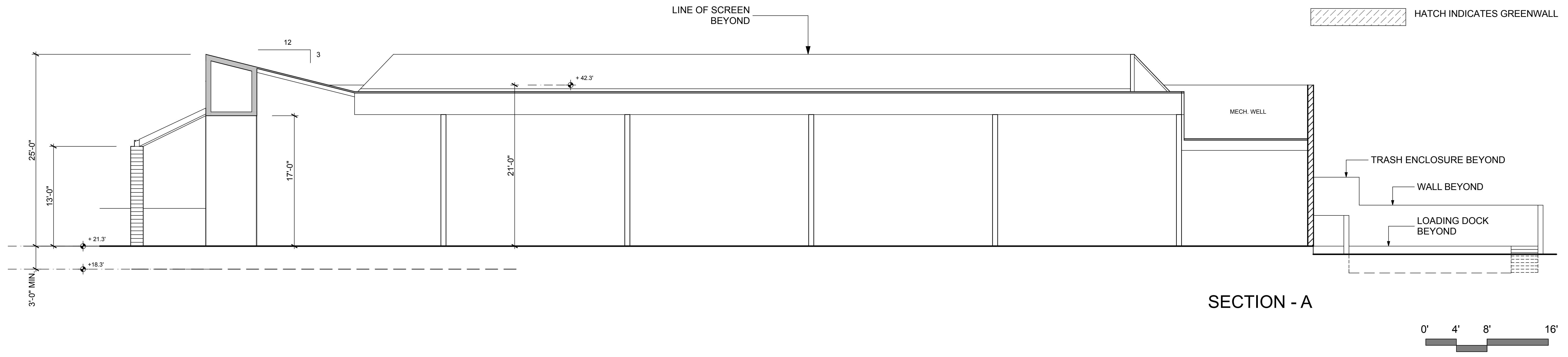

TOP OF ROOF
MAX HEIGHT
+ 46.3'
4'-0"
TOP OF PARAPET
+ 42.3'
25'-0"
17'-0"
21'-0"
TRASH ENCLOSURE BEYOND
WALL BEYOND
LOADING DOCK
NEW GRADE
+ 21.3'
EXISTING GRADE
+18.3'
3'-0"
HIGHEST EXISTING GRADE
(PER FEMA REQUIREMENT-TYP.)
NEW GRADE
EXISTING GRADE
(HIGHEST & LOWEST GRADE
COINCIDE)
HATCH INDICATES GREENWALL AREA
HATCH INDICATES GREENWALL AREA

EAST ELEVATION


ROOF TRELLIS
W/ MTL.SCREEN OVER
4'-0"
3
12
TOP OF ROOF
MAX HEIGHT
+ 46.3'
+ 42.3' TOP OF PARAPET
24'-0"
6'-8"
8'-4"
6'-0"
TRASH ENCLOSURE
WALL @ LOADING DOCK
FLR. FINISH INSIDE
+18.3' EXISTING GRADE
28'-0"
7'-11"
4'-11"
FF
EXISTING GRADE
+18.3'
3'-0" MIN
HATCH INDICATES GREENWALL AREA

WEST ELEVATION

HATCH INDICATES GREENWALL


LINE OF SCREEN
BEYOND
12
3
+ 42.3'
MECH. WELL
25'-0"
13'-0"
17'-0"
21'-0"
+ 21.3'
+18.3'
3'-0" MIN
TRASH ENCLOSURE BEYOND
WALL BEYOND
LOADING DOCK
BEYOND
0'
4'
8'
16'

SECTION - A

GOLDMAN FIRTH ROSSI
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NO.	DATE	REVISION
1	-------	-------

NO.	DATE	ISSUED
1	05-05-10	PLANNING
2	09-20-10	PLANNING REVISION
5	03-04-13	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
IN THE PARK

JOB ADDRESS :

23401 CIVIC CENTER WAY
MALIBU, CA 90265

DRAWING TITLE :

BLDG.5
MARKET
ELEVATIONS &
SECTION

DATE : 03-04-13
SCALE : 1/8" = 1'-0"

DRAWING NO.:

A-3.3

REVISION NO.

PUBLIC WORKS DEPARTMENT GENERAL NOTES:

1) ALL WORK SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION(SSPWC)" GREEN BOOK."

2) CONTRACTORS SHALL COMPLY WITH ALL APPLICABLE DIVISION OF INDUSTRIAL REGULATIONS(CAL-OSHA) SAFETY STANDARDS. IF REQUESTED BY THE INSPECTOR, THE CONTRACTOR SHALL PROVIDE PROOF OF A PERMIT FROM SAID DIVISION.

3) CONTRACTOR SHALL CALL THE PUBLIC WORKS INSPECTOR AT (310)456-2489, ext. 235 FOR PRE-CONSTRUCTION MEETING PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION OR GRADING OPERATIONS. CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS INSPECTOR 48 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION AND 24 HOURS IN ADVANCE OF SPECIFIC INSPECTION NEEDS DURING THE COURSE OF THE WORK.

4) IMPROVEMENTS ARE PROPOSED WITHIN THE PUBLIC RIGHT-OF-WAY.

5) STORAGE OF ANY CONSTRUCTION MATERIALS, CONSTRUCTION TRAILER, AND/OR PARKING AND ANY WORK WITHIN THE CITY PUBLIC RIGHT OF WAY SHALL REQUIRE A CITY ENCROACHMENT PERMIT. CALL THE PUBLIC WORKS INSPECTOR AT (310) 456-2489, ext. 235 TO APPLY FOR A PERMIT.

6) STORAGE OF ANY CONSTRUCTION MATERIALS, CONSTRUCTION TRAILER, AND/OR PARKING AND ANY WORK WITHIN THE CALTRANS PUBLIC RIGHT OF WAY SHALL REQUIRE A CALTRANS ENCROACHMENT PERMIT. SUBMIT A COPY OF THE CALTRANS ENCROACHMENT PERMIT TO THE PUBLIC WORKS DEPARTMENT.

7) ALL WORK SHALL BE PERFORMED DURING CITY WORKING HOURS AND IN COMPLIANCE WITH THESE PLANS.

8) CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK.

9) CONTRACTOR SHALL LOCATE, PROTECT, AND SAVE ANY AND ALL SURVEY MONUMENTS THAT WILL BE OR MAY BE DAMAGED OR DESTROYED BY THEIR OPERATIONS. ONCE FOUND, THE CONTRACTOR SHALL THEN NOTIFY BOTH THE DEVELOPER'S SUPERVISING CIVIL ENGINEER AND THE PUBLIC WORKS INSPECTOR. THE SUPERVISING CIVIL ENGINEER SHALL RESET ALL SAID MONUMENTS PER THE REQUIREMENTS OF THE PROFESSIONAL SURVEYOR'S ACT.

10) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PUBLIC AND PRIVATE PROPERTY INSOFAR AS IT MAY BE AFFECTED BY THESE OPERATIONS.

11) EXISTING TRAFFIC SIGNS ARE NOT TO BE REMOVED WITHOUT PRIOR NOTIFICATION AND APPROVAL OF THE CITY ENGINEER. AS A MINIMUM, CONSTRUCTION WORK ZONE TRAFFIC SIGNS AND STRIPING SHALL BE FURNISHED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE "WORK AREA TRAFFIC CONTROL HANDBOOK"(THE "WATCH MANUAL"), PUBLISHED BY BNI BUILDING NEWS, INC. A TRAFFIC CONTROL PLAN, PREPARED BY THE DEVELOPER, MAY BE REQUIRED BY THE CITY.

12) DUST CONTROL SHALL BE MAINTAINED AT ALL TIMES.

13) EROSION CONTROL PLANS SHALL BE PROVIDED FOR ALL PROJECTS. GRADING AND CLEARING IS PROHIBITED FROM NOVEMBER 1 TO MARCH 31 FOR ALL DEVELOPMENTS WITHIN OR ADJACENT TO ESHA AND/OR INCLUDING GRADING ON SLOPES GREATER THAN 4:1.

14) ALL UNDERGROUND UTILITIES AND SERVICE LATERALS SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF CURBS, GUTTERS, SIDEWALKS, AND PAVING UNLESS OTHERWISE PERMITTED BY THE CITY ENGINEER.

15) THE DEVELOPER SHALL COMPLY WITH NPDES REQUIREMENTS. THE STORM WATER POLLUTION PREVENTION PLAN(SWPPP) SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES AND SHALL BE KEPT UPDATED.

16) ALL RECOMMENDATIONS MADE BY THE GEOTECHNICAL/SOILS ENGINEER(AND ENGINEERING GEOLOGIST, WHERE EMPLOYED), AND CONTAINED IN THE REPORTS REFERENCED HEREON, AS APPROVED OR CONDITIONED BY THE CITY, SHALL BE CONSIDERED A PART OF THE GRADING PLAN.

17) ALL STORM DRAIN PIPE WITHIN THE PUBLIC RIGHT-OF-WAY AND EASEMENTS SHALL BE REINFORCED CONCRETE PIPE(RCP).

18) TERRACE DRAINS, INTERCEPTOR DRAINS, AND DOWN DRAINS SHALL BE CONSTRUCTED OF 3" P.C.C. REINFORCED WITH 6"X6"X#10 W.W.M. AND SHALL BE EITHER CIRCULAR OR TRIANGULAR CROSS SECTION. CONCRETE COLOR SHALL BE "OMAHA TAN" OR APPROVED EQUIVALENT.

19) GRADING QUANTITIES:
CUT________70_______ CU. YD. FILL______9,837_______CU. YD. OVEREX. CU. YD.
EXPORT______0______ CU. YD. IMPORT______9,767_______ CU. YD.
IMPORT MATERIAL SHOULD MEET THE REQUIREMENTS OF THE APPROVED SOILS REPORT.

20) TOTAL DISTURBED AREA__________5.68________________________ACRES
(INCLUDING GRADING, CLEARING, AND LANDSCAPING AREA)
TOTAL EXISTING IMPERVIOUS SURFACE AREA _____ ______ SQ. FT.
TOTAL PROPOSED IMPERVIOUS SURFACE AREA____ ______ SQ. FT.
FLOOD ZONE ON FIRM:_____A0(DEPTH 2)_____ BASE FLOOD ELEVATION___n/a___ FT.

21) ALL SLOPES ON PRIVATE PROPERTY ADJOINING STREETS, DRAINAGE CHANNELS, OR OTHER PUBLIC FACILITIES SHALL BE GRADED NOT STEEPER THAN 2:1 FOR CUT AND FILL UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER ON RECOMMENDATION OF THE PROJECT'S GEOTECHNICAL/SOILS CONSULTANT.

22) ALL CATCH BASINS AND DRAINAGE INLETS SHALL BE STENCILED WITH THE CITY OF MALIBU STORM DRAIN LOGO.

FILL NOTES:

a) FILL SHALL BE COMPACTED THROUGHOUT TO A MINIMUM OF 90% RELATIVE COMPACTION. AGGREGATE BASE FOR ASPHALTIC AREAS SHALL BE COMPACTED TO MINIMUM OF 95% RELATIVE COMPACTION. MAXIMUM DENSITY SHALL BE DETERMINED BY ASTM SOIL COMPACTION. TEST D1557-911 OR APPROVED EQUIVALENT ORIGINALS OF ALL REPORTS SHALL BE PROVIDED TO THE BUILDING OFFICIAL.

b) FIELD DENSITY SHALL BE DETERMINED BY METHOD ACCEPTABLE TO THE BUILDING OFFICIAL. (SECTION 7016.1 OF THE BUILDING CODE). HOWEVER, NOT LESS THAN 10% OF THE REQUIRED DENSITY TEST, UNIFORMLY DISTRIBUTED, SHALL BE OBTAINED BY THE SAND CONE METHOD.

c) SUFFICIENT TESTS OF THE FILL SOILS SHALL BE MADE TO DETERMINE THE RELATIVE COMPACTION OF THE FILL IN ACCORDANCE WITH THE FOLLOWING MINIMUM GUIDELINES:
   1) ONE TEST FOR EACH TWO-FOOT VERTICAL LIFT.
   2) ONE TEST FOR EACH 1000 CUBIC YARDS OF MATERIAL PLACED.
   3) ONE TEST AT THE LOCATION OF THE FINAL FILL SLOPE FOR EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEREOF.
   4) ONE TEST IN THE VICINITY OF EACH BUILDING PAD FOR EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEREOF.
   5) ONE TEST WILL BE MADE AT POINT APPROXIMATELY 1' BELOW THE FILL SLOPE SURFACE ON THE BASIS OF ONE TEST FOR EACH 1,000 SQUARE FEET OF SLOPE BUT NOT LESS THAN ONE TEST FOR EACH 10' OF VERTICAL SLOPE HEIGHT.

d) ADD THE FOLLOWING PLANTING AND IRRIGATION NOTES IF REQUIRED:
   1) THE PLANS OF A DESIGNED IRRIGATION SYSTEM FOR FULL COVERAGE OF ALL PORTIONS OF THE SLOPES SHALL BE SUBMITTED AND APPROVED PRIOR TO ROUGH GRADING APPROVAL BY THE COUNTY INSPECTOR. (SECTION 7019.1 OF BUILDING CODE)
   2) ALL CUT SLOPES OVER FIVE (5) FEET AND FILL SLOPES OVER THREE (3) FEET SHALL BE PLANTED WITH AN APPROVED GROUND COVER AND PROVIDED WITH AN IRRIGATION SYSTEM AS SOON AS PRACTICAL AFTER ROUGH GRADING. (SECTION 7019.2 OF THE BUILDING CODE)
   3) PLANTING AND IRRIGATION PLANS FOR SLOPES GREATER THAN 20 FEET IN HEIGHT MUST BE PREPARED AND SIGNED BY A LICENSED LANDSCAPE ARCHITECT OR REGISTERED CIVIL ENGINEER.
   4) ALL CUT AND FILL SLOPES WILL BE PLANTED WITH AN APPROVED GROUND COVER AND PROVIDED WITH AN IRRIGATION SYSTEM AS SOON AS PRACTICAL DURING GRADING. IN ADDITION TO THE GROUND COVER, PLANTS SHALL BE INSTALLED ON ALL SLOPES, ALL PLANTING SHALL BE OF A TYPE APPROVED BY THE CITY BIOLOGIST.
   5) THE PLANTS FOR A DESIGN IRRIGATION SYSTEM FOR FULL COVERAGE OF ALL PORTIONS OF THE SLOPES SHALL BE SUBMITTED AND APPROVED PRIOR TO ROUGH GRADING APPROVAL BY THE CITY & ASSOCIATION.
   6) PLANTING AND IRRIGATION PLANS FOR SLOPES MUST BE PREPARED BY A CIVIL ENGINEER OR LANDSCAPE ARCHITECT.

e) STORMWATER POLLUTION PLAN NOTES (ATTACHMENTS A AND B TO BE ADDED TO ALL GRADING PLANS:
   a) ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEETFLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSE, OR WIND.
   b) STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIAL MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
   c) FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIAL MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
   d) EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
   e) TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
   f) SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
   g) ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.

ATTACHMENT B NOTES

THE FOLLOWING BMPs AS OUTLINED IN, BUT NOT LIMITED TO, THE BEST MANAGEMENT PRACTICE HANDBOOK, CALIFORNIA STORMWATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA 1993, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY COUNTY INSPECTORS):

ESC20 – GEOTEXTILES AND MATS
ESC21 – DU^
RRACING
ESC50 – SILT FENCE
ESC51 – STRAW BALE BARRIERS
ESC52 – SAND BAG BARRIER
ESC53 – BRUSH OR ROCK FILTER
ESC54 – STORM DRAIN INLET PROTECTION
ESC55 – SEDIMENT TRAP
ESC56 – SEDIMENT BASIN

CA001 – DEWATERING OPERATIONS
CA002 – PAVING OPERATIONS
CA003 – STRUCTURE CONSTRUCTION AND PAINTING
CA010 – MATERIAL DELIVERY AND STORAGE
CA011 – MATERIAL USE
CA012 – SPILL PREVENTION AND CONTROL
CA020 – SOLID WASTE MANAGEMENT
CA021 – HAZARDOUS WASTE MANAGEMENT
CA022 – CONTAMINATED SOIL MANAGEMENT
CA023 – CONCRETE WASTE MANAGEMENT
CA030 – VEHICLE AND EQUIPMENT CLEANING
CA031 – VEHICLE AND EQUIPMENT FUELING
CA032 – VEHICLE AND EQUIPMENT MAINTAINANCE
CA040 – EMPLOYEE/SUBCONTRACTOR TRAINING
ESC01 – SCHEDULING
ESC02 – PRESERVATION OF EXISTING VEGETATION
ESC10 – SEEDING AND PLANTING
ESC11 – MULCHING

LEGAL DESCRIPTION: PARCEL 1:

A PARCEL OF LAND BEING A PORTION OF THE RANCHO TOPANGA MALIBU SEQUIT, AS CONFIRMED TO MATTHEW KELLER BY PATENT RECORDED IN BOOK 1, PAGES 407 ET SEQ., OF PATENTS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEASTERLY CORNER OF THE 6.09-ACRE PARCEL OF LAND DESCRIBED IN A DEED FROM MARBLEHEAD LAND COMPANY TO ALBERT J. ASHKAR AND WIFE, RECORDED IN BOOK 19977, PAGE 245, OFFICIAL RECORDS OF SAID COUNTY, SAID POINT OF BEGINNING BEING ALSO IN THE CENTER LINE OF A 40-FOOT ROAD EASEMENT DESCRIBED IN THE ABOVE-MENTIONED DEED; THENCE NORTH 2°32'55" EAST, 551.20 FEET ALONG THE EASTERLY BOUNDARY OF SAID 6.09-ACRE PARCEL TO AN ANGLE POINT THEREIN; THENCE NORTH 3°31'20" WEST, 220.00 FEET; THENCE SOUTH 85° 47'04" EAST 386.20 FEET; THENCE SOUTH 13°11'15" WEST, 700 FEET, MORE OR LESS, TO A POINT IN THE CENTER LINE OF THE ABOVE-MENTIONED 40-FOOT ROAD EASEMENT; THENCE SOUTH 75°41'35" WEST 244.03 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

EXCEPT THAT PORTION OF SAID LAND LYING NORTHERLY OF A STRAIGHT LINE AND ITS PROLONGATIONS EXTENDING FROM A POINT IN THE EASTERLY LINE FO SAID LAND THAT IS DISTANT SOUTH 13°11'15" WEST, WEST 318.94 FEET FROM THE NORTHEAST CORNER OF SAID LAND TO A POINT IN THE WESTERLY LINE OF SAID LAND THAT IS DISTANT NORTH 2°32'55" EAST 445.27 FEET FROM THE SOUTHWEST CORNER OF SAID LAND.

ALSO EXCEPT THE SOUTHERLY 30 FEET OF SAID LAND AS CONDEMNED FOR PUBLIC ROAD AND HIGHWAY PURPOSES, BY FINAL DECREE OF CONDEMNATION, CASE NO. 740467, SUPERIOR COURT, RECORDED JUNE 27, 1963 AS INSTRUMENT NO. 4825 IN BOOK D-2082, PAGE 448, OFFICIAL RECORDS.

ALSO EXCEPT THEREFROM ALL MINERALS, OIL, PETROLEUM, ASPHALTUM, GAS, COAL AND OTHER HYDROCARBON SUBSTANCES IN, ON, WITHIN AND UNDER SAID LAND, BUT WITHOUT RIGHT OF ENTRY, AND ALSO ALL WATER ON OR UNDER SAID LANDS AND ALL RIPARIAN RIGHTS TO SAID WATERS AS RESERVED BY MARBLEHEAD LAND COMPANY, A DELAWARE CORPORATION IN DEEDS RECORDED JULY 17, 1943 IN BOOK 20111, PAGE 323, AND IN BOOK 18915, PAGE 85 AND IN BOOK 19901, PAGE 44, ALL OF OFFICIAL RECORDS.

APN: 4458-022-001

PARCEL 2:

A PARCEL OF LAND BEING A PORTION OF THE RANCH TOPANGA MALIBU SEQUIT, AS CONFIRMED TO MATTHEW KELLER BY PATENT RECORDED IN BOOK 1, PAGES 407 ET SEQ., OF PATENTS, OFFICIAL RECORDS OF SAID COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING AT A POINT ON THE EASTERLY LINE OF THE 6.09-ACRE PARCEL OF LAND DESCRIBED IN A DEED FROM MARBLEHEAD LAND COMPANY TO ALBER J. ASHKAR AND WIFE RECORDED IN BOOK 19977, PAGE 245, OFFICIAL RECORDS OF SAID COUNTY, SAID POINT BEING DISTANT NORTH 2°32'55" EAST, 551.20 FEET AND NORTH 3°31'20" WEST, 220.00 FEET FROM THE SOUTHEASTERLY CORNER OF SAID ASHKAR PARCEL, SAID POINT ALSO BEING THE TRUE POINT OF BEGINNING FOR THIS DESCRIPTION; THENCE SOUTH 85°47'04" EAST, 200.84 FEET; THENCE SOUTH 13°11'15" WEST, 187.04 FEET; THENCE SOUTH 85°47'04" EAST, 185.36 FEET; THENCE SOUTH 13°11'15" WEST, 131.90 FEET TO THE NORTHERLY LINE OF THAT CERTAIN PARCEL DESCRIBED IN DOCUMENT NO. 90-1319161, RECORDED IN THE OFFICE OF THE RECORDER OF SAID COUNTY; THENCE WESTERLY ALONG SAID NORTHERLY LINE, NORTH 87°27'08" WEST 303.89 FEET TO A POINT IN SAID EASTERLY LINE OF SAID 6.09-ACRE PARCEL; THENCE SOUTHERLY ALONG LAST MENTIONED EASTERLY LINE, SOUTH 2°32'55" WEST, 413.91 FEET TO THE NORTHERLY LINE OF THAT CERTAIN CONDEMNATION FOR ROAD PURPOSES DESCRIBED IN BOOK D-2082, OFFICIAL RECORDS IN THE OFFICE OF THE RECORDER OF SAID COUNTY; THENCE WESTERLY ALONG LAST MENTIONED NORTHERLY LINE, SOUTH 75°41'35" WEST, 52.24 FEET; THENCE, LEAVING SAID NORTHERLY LINE, NORTH 2°32'55" EAST, 100.00 FEET; THENCE NORTH 10°15'10" WEST, 631.58 FEET; THENCE NORTH 79°44'50" EAST, 170.92 FEET TO THE TRUE POINT OF BEGINNING.

ALSO EXCEPT THEREFROM ALL MINERALS, OIL, PETROLEUM, ASPHALTUM, GAS, COAL AND OTHER HYDROCARBON SUBSTANCES IN, ON, WITHIN AND UNDER SAID LAND, BUT WITHOUT RIGHT OF ENTRY, AND ALSO ALL WATER ON OR UNDER SAID LANDS AND ALL RIPARIAN RIGHTS TO SAID WATERS AS RESERVED BY MARBLEHEAD LAND COMPANY, A DELAWARE CORPORATION IN DEEDS RECORDED MAY 8, 1943 IN BOOK 19977, PAGE 245, AND IN BOOK 19985, PAGE 226, BOTH OF OFFICIAL RECORDS.

APN: 4458-022-022

TITLE REPORT: THE TITLE REPORT DATED NOVEMBER 4, 2009 BY FIRST AMERICAN TITLE INSURANCE COMPANY, ORDER NO. NCS-413318-LA2, WAS USED AND IS A PART OF THIS SURVEY.

SITE ADDRESS: 23401 CIVIC CENTER WAY, MALIBU

AREA: 256,168 SQUARE FEET, 5.88 ACRES

BOUNDARY: THE BOUNDARY SHOWN HEREON IS RECORD INFORMATION ADJUSTED TO FOUND CITY CENTERLINE AND SURVEY MONUMENTS USING STANDARD SURVEYING PROCEDURE.

BASIS OF BEARINGS: THE BEARING OF NORTH 75° 41' 35" EAST WAS USED ON THE CENTERLINE OF CIVIC CENTER WAY PER DEED DESCRIPTION, AS SHOWN HEREON.

BENCH MARK: THE ELEVATION OF 26.073 ON BENCH MARK NO. Y-11376 PER L.A. COUNTY PUBLIC WORKS SURVEY SECTION, MALIBU QUAD 2008 (NAVD 88).

EASEMENTS: ITEM NO. 7, AN EASEMENT FOR PIPE LINES AND INCIDENTAL PURPOSES AS RECORDED ON SEPTEMBER 20, 1948 IN BOOK 28303, PAGE 148, OFFICIAL RECORDS. (NOT PLOTTABLE)

ITEM NO. 8, AN EASEMENT FOR PIPE LINES AND INCIDENTAL PURPOSES AS RECORDED ON JULY 17, 1943 AS INSTRUMENT NO. 570 IN BOOK 20111, PAGE 323, OFFICIAL RECORDS.

ITEM NO. 9, AN EASEMENT FOR TELEPHONE AND ELECTRIC LINES AND INCIDENTAL PURPOSES AS RECORDED ON MAY 11, 1950 AS INSTRUMENT NO. 2323 IN BOOK 33102, PAGE 220, OFFICIAL RECORDS.

ITEM NO. 10, AN EASEMENT FOR POLE LINES AND INCIDENTAL PURPOSES AS RECORDED ON JANUARY 4, 1951 AS INSTRUMENT NO. 2954 IN BOOK 35230, PAGE 159, OFFICIAL RECORDS.

ITEM NO. 11, AN EASEMENT FOR PUBLIC ROAD AND HIGHWAY AND INCIDENTAL PURPOSES AS RECORDED ON JULY 17, 1969 AS INSTRUMENT NO. 2983, OFFICIAL RECORDS.

Owner:

DB MALIBU HOLDCO LLC
1345 AVENUE OF THE AMERICAS
46 TH. FLR.
NEW YORK NY 10105

Civil Engineer:

P.C.C.E. Inc.
23801 Calabasas Road #1020
Calabasas, CA 91302
(818)568-5251
Contact: Stephen R. Smith

Architect

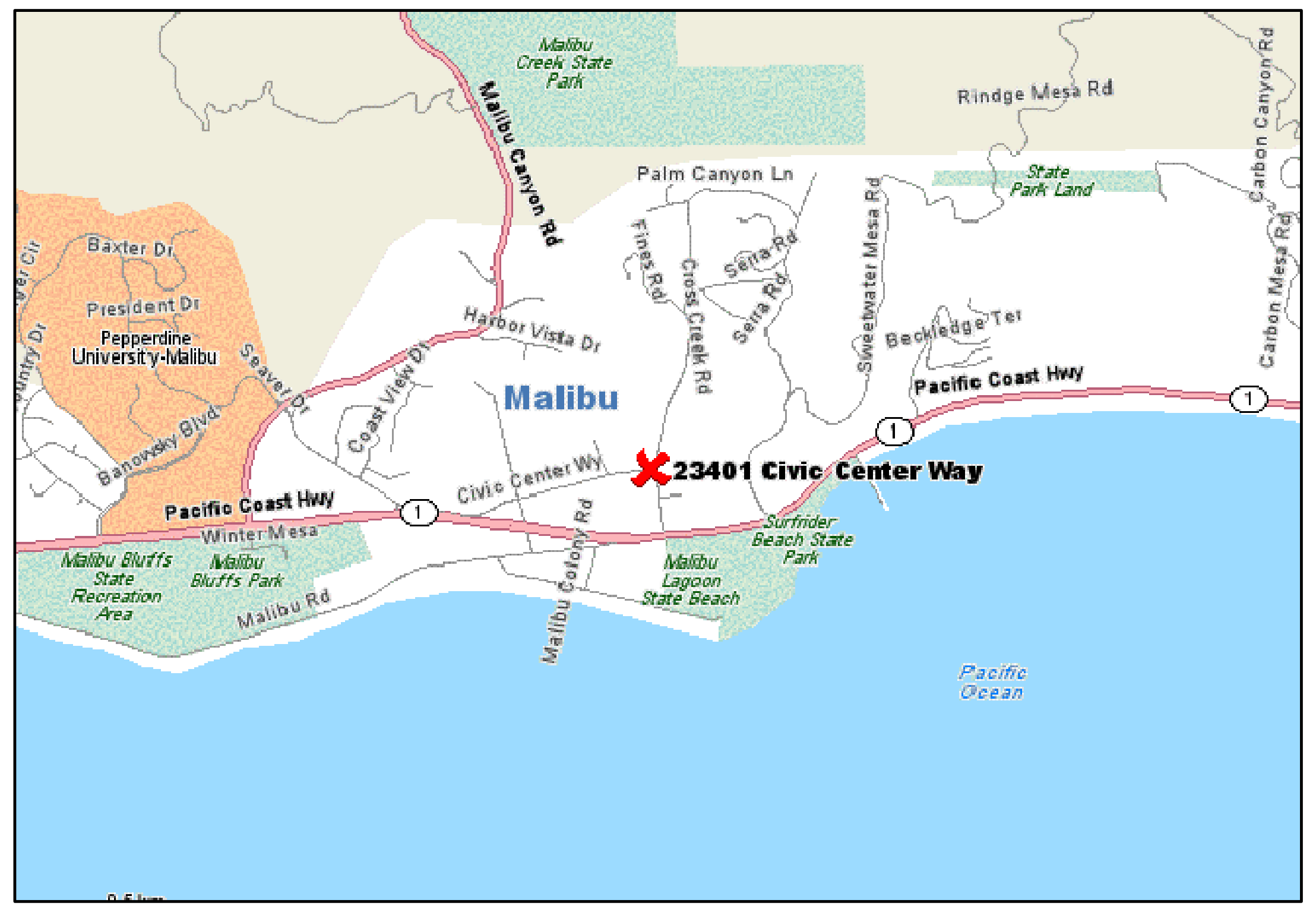
Goldman Firth Rossi Architects
24955 Pacific Coast Highway
Malibu CA 90265
(310)456-1831
Contact: Ron Goldman

Survey

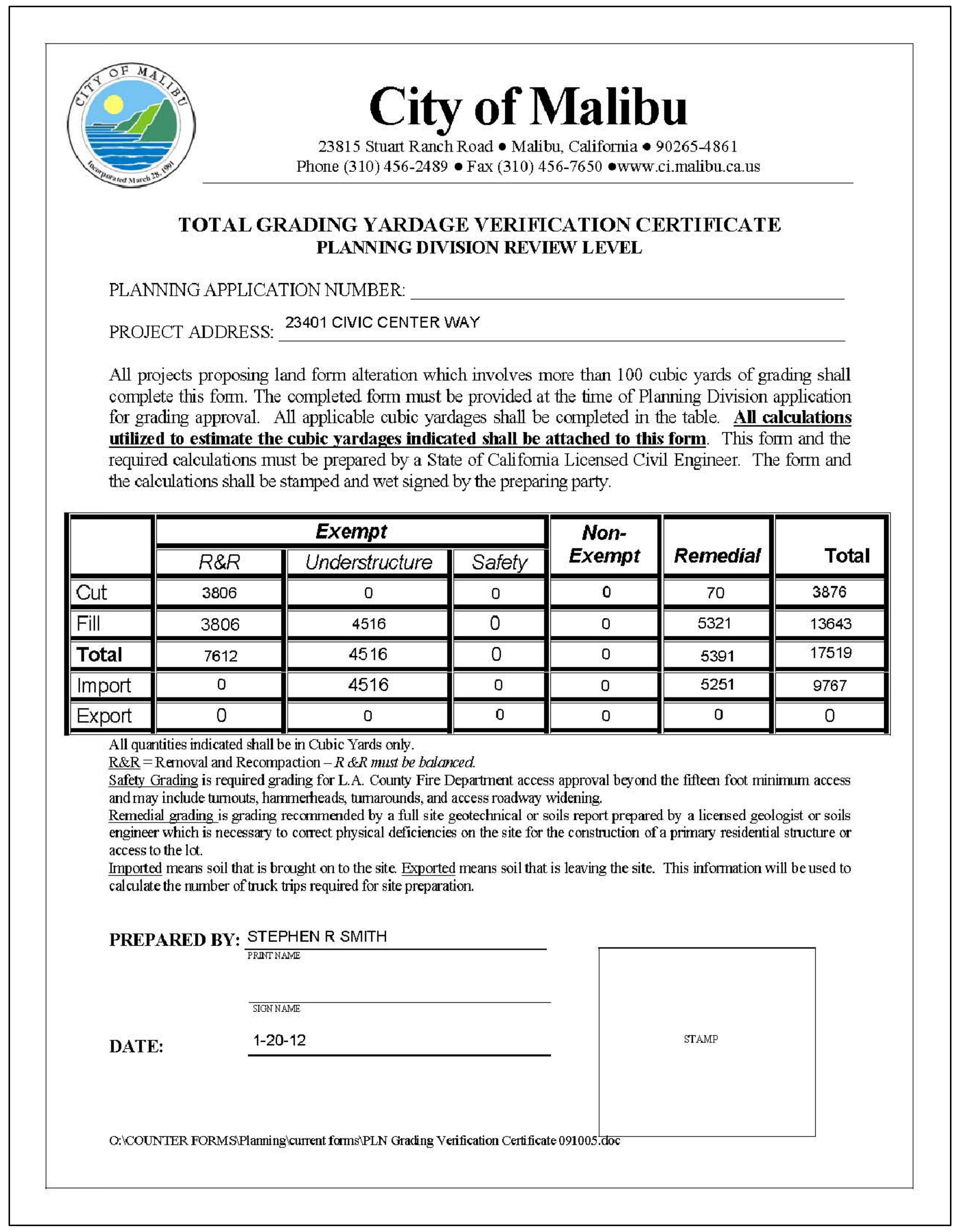
M&M&Co.
16145 Roscoe Blvd
North Hills CA 91343
(818)891-9100

Soils Engineer

GeoConcepts, Inc.
14428 Hamlin Street, #200
Van Nuys CA 91401
(818)994-8895
Contact:Scott Walter



VICINITY MAP:



City of Malibu

23815 Stuart Ranch Road • Malibu, California • 90265-4861
Phone (310) 456-2489 • Fax (310) 456-7650 •www.ci.malibu.ca.us

TOTAL GRADING YARDAGE VERIFICATION CERTIFICATE
PLANNING DIVISION REVIEW LEVEL

PLANNING APPLICATION NUMBER: ______________________

PROJECT ADDRESS: 23401 CIVIC CENTER WAY

All projects proposing land form alteration which involves more than 100 cubic yards of grading shall complete this form. The completed form must be provided at the time of Planning Division application for grading approval. All applicable cubic yardages shall be completed in the table. **All calculations utilized to estimate the cubic yardages indicated shall be attached to this form**. This form and the required calculations must be prepared by a State of California Licensed Civil Engineer. The form and the calculations shall be stamped and wet signed by the preparing party.

	Exempt			Non-Exempt	Remedial	Total
	R&R	Understructure	Safety			
Cut	3806	0	0	0	70	3876
Fill	3806	4516	0	0	5321	13643
Total	7612	4516	0	0	5391	17519
Import	0	4516	0	0	5251	9767
Export	0	0	0	0	0	0

All quantities indicated shall be in Cubic Yards only.
R&R = Removal and Recompaction – *R &R must be balanced.*
Safety Grading is required grading for L.A. County Fire Department access approval beyond the fifteen foot minimum access and may include turnouts, hammerheads, turnarounds, and access roadway widening.
Remedial grading is grading recommended by a full site geotechnical or soils report prepared by a licensed geologist or soils engineer which is necessary to correct physical deficiencies on the site for the construction of a primary residential structure or access to the lot.
Imported means soil that is brought on to the site. Exported means soil that is leaving the site. This information will be used to calculate the number of truck trips required for site preparation.

PREPARED BY: STEPHEN R SMITH
PRINT NAME

SIGN NAME

DATE: 1-20-12

STAMP

O:\COUNTER FORMS\Planning\current forms\PLN Grading Verification Certificate 091005.doc

Approval By Soils Engineer and Geologist:

"This Plan has been reviewed and conforms to recommendations of soils engineering/geologic reports dated "

Signature ______________________ Date ________

Signature ______________________ Date ________

DIGALERT
Call Toll Free
1-800-422-4133
2 Working Days Before You Dig
Underground Service Alert
of Southern California

PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

No. C63480
Exp. 09-30-12

STEPHEN R SMITH P.E. 63480

DATE:

Precise Grading Plan for 23401 Civic Center Way

PREPARED FOR
MALIBU WF, LLC
MALIBU CA

DESCRIPTION:	BY
DESIGNED:	S.S
DRAWN:	S.S.
CHECKED:	R.H.
SUPERVISED:	S.S.
PROJ. ENGINEER:	S.S.
DRAWING SCALE:	1"=30'
PCCE JOB NUMBER:	6000-251

SHEET NO.
1
OF 3 SHEETS

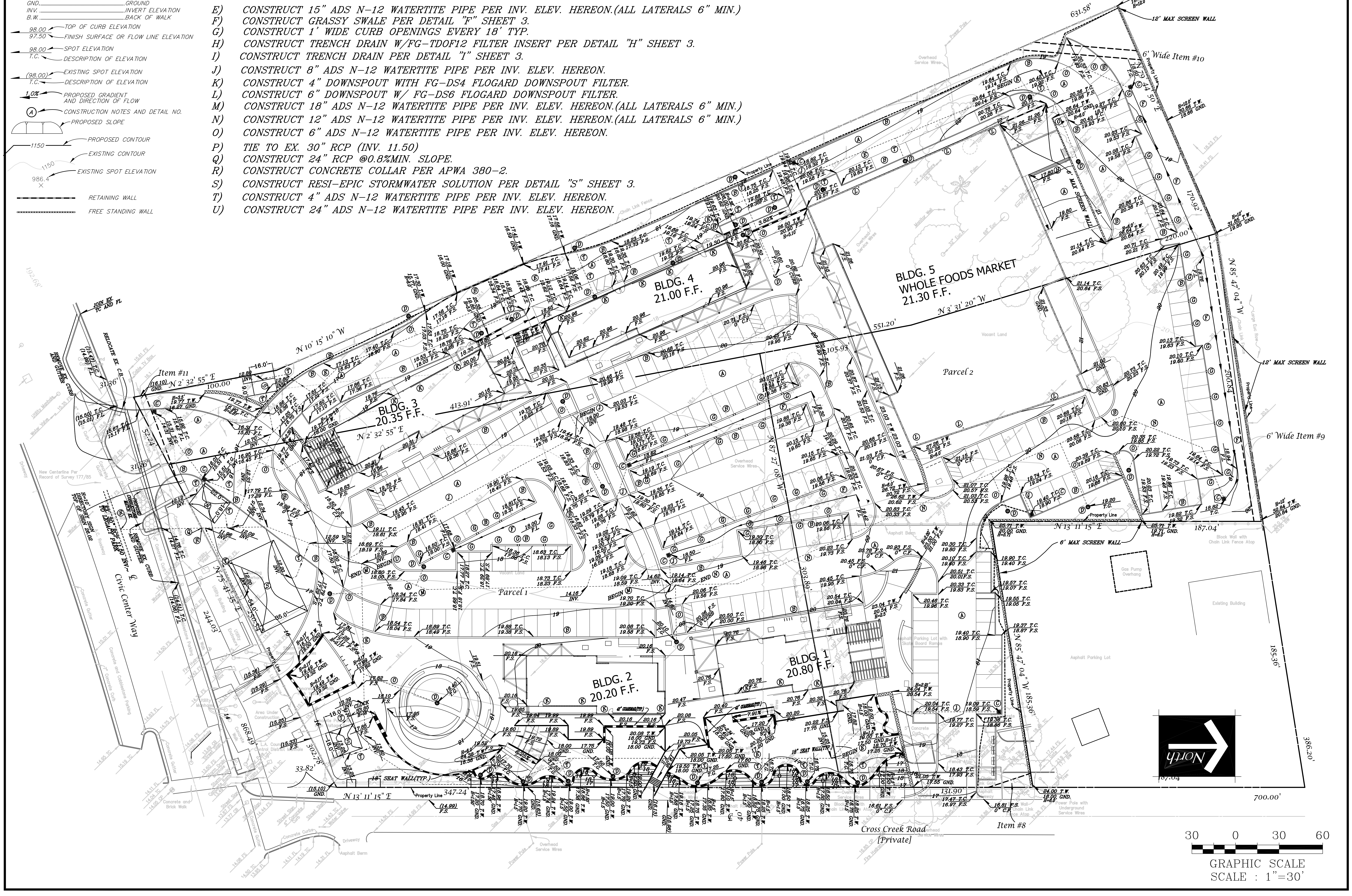
PLOT DATE:2-21-12-PLANNING REVISION

Legend:

F.G.	FINISHED GRADE
F.L.	FLOW LINE
F.S.	FINISHED SURFACE
T.C.	TOP OF CURB
T.W.	TOP OF WALL
H.P.	HIGH POINT
T.G.	TOP OF GRATE
TYP.	TYPICAL
GD.~BK.	GRADE BREAK
GND.	GROUND
INV.	INVERT ELEVATION
B.W.	BACK OF WALK
98.00	TOP OF CURB ELEVATION
97.50	FINISH SURFACE OR FLOW LINE ELEVATION
98.00	SPOT ELEVATION
T.C.	DESCRIPTION OF ELEVATION
(98.00)	EXISTING SPOT ELEVATION
T.C.	DESCRIPTION OF ELEVATION
1.0%	PROPOSED GRADIENT AND DIRECTION OF FLOW
Ⓐ	CONSTRUCTION NOTES AND DETAIL NO.
	PROPOSED SLOPE
1150	PROPOSED CONTOUR
1150	EXISTING CONTOUR
986.4 ×	EXISTING SPOT ELEVATION
	RETAINING WALL
	FREE STANDING WALL

CONSTRUCTION NOTES

A) CONSTRUCT DRIVEWAY PER DETAIL "A" SHEET 3..
B) CONSTRUCT 6" CURB PER APWA 120-1 A1-150(6)
C) CONSTRUCT 18"X18" BROOKS CATCH BASIN W/ ABTECH DI 1414H INSERT PER DETAIL "C" SHEET 3.
D) CONSTRUCT AREA DRAIN PER DETAIL "D" SHEET 3.
E) CONSTRUCT 15" ADS N-12 WATERTITE PIPE PER INV. ELEV. HEREON.(ALL LATERALS 6" MIN.)
F) CONSTRUCT GRASSY SWALE PER DETAIL "F" SHEET 3.
G) CONSTRUCT 1' WIDE CURB OPENINGS EVERY 18' TYP.
H) CONSTRUCT TRENCH DRAIN W/FG-TDOF12 FILTER INSERT PER DETAIL "H" SHEET 3.
I) CONSTRUCT TRENCH DRAIN PER DETAIL "I" SHEET 3.
J) CONSTRUCT 8" ADS N-12 WATERTITE PIPE PER INV. ELEV. HEREON.
K) CONSTRUCT 4" DOWNSPOUT WITH FG-DS4 FLOGARD DOWNSPOUT FILTER.
L) CONSTRUCT 6" DOWNSPOUT W/ FG-DS6 FLOGARD DOWNSPOUT FILTER.
M) CONSTRUCT 18" ADS N-12 WATERTITE PIPE PER INV. ELEV. HEREON.(ALL LATERALS 6" MIN.)
N) CONSTRUCT 12" ADS N-12 WATERTITE PIPE PER INV. ELEV. HEREON.(ALL LATERALS 6" MIN.)
O) CONSTRUCT 6" ADS N-12 WATERTITE PIPE PER INV. ELEV. HEREON.
P) TIE TO EX. 30" RCP (INV. 11.50)
Q) CONSTRUCT 24" RCP @0.8%MIN. SLOPE.
R) CONSTRUCT CONCRETE COLLAR PER APWA 380-2.
S) CONSTRUCT RESI-EPIC STORMWATER SOLUTION PER DETAIL "S" SHEET 3.
T) CONSTRUCT 4" ADS N-12 WATERTITE PIPE PER INV. ELEV. HEREON.
U) CONSTRUCT 24" ADS N-12 WATERTITE PIPE PER INV. ELEV. HEREON.


BLDG. 5
WHOLE FOODS MARKET
21.30 F.F.
BLDG. 4
21.00 F.F.
BLDG. 3
20.35 F.F.
BLDG. 2
20.20 F.F.
BLDG. 1
20.80 F.F.
Parcel 1
Parcel 2
Civic Center Way
Cross Creek Road
[Private]
631.58'
12' MAX SCREEN WALL
6' Wide Item #10
6' Wide Item #9
Item #11
Item #8
N 10° 15' 10" W
N 3° 31' 20" W
551.20'
N 2° 32' 55" E
N 85° 47' 04" W
N 87° 27' 08" W
N 13° 11' 15" E
N 72° 41' 35" E
220.00'
170.92'
200.04'
185.36'
386.20'
700.00'
187.04'
347.24
131.90
302.78'
244.03
100.00
413.91'
105.93'
203.80'
6' MAX SCREEN WALL
18" SEAT WALL(TYP.)
Property Line
Chain Link Fence
Overhead Service Wires
Vacant Land
Asphalt Parking Lot
Existing Building
Gas Pump Overhang
Block Wall with Chain Link Fence Atop
North
30 0 30 60
GRAPHIC SCALE
SCALE : 1"=30'

PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

No. C63480
Exp. 09-30-12

STEPHEN R SMITH P.E. 63480

DATE:

# Precise Grading Plan
for
23401 Civic Center Way

Prepared for
MALIBU WF, LLC
MALIBU CA

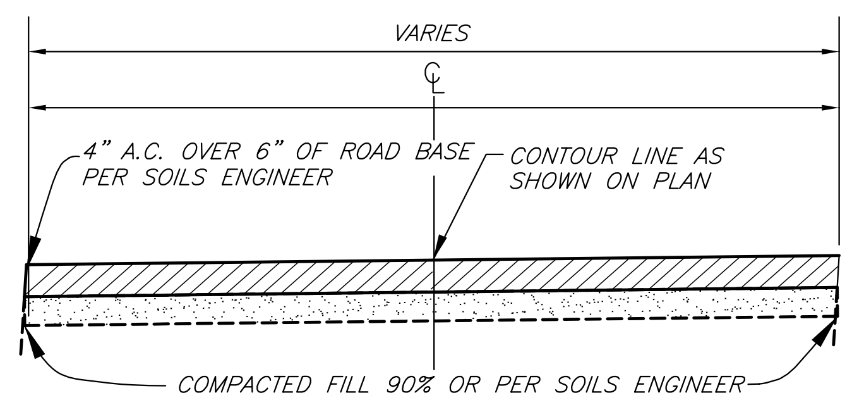
DESCRIPTION:	BY
DESIGNED:	S.S
DRAWN:	S.S
CHECKED:	S.S
SUPERVISED:	S.S
PROJ. ENGINEER:	S.S
DRAWING SCALE:	1"=30'
PCCE JOB NUMBER:	6000-251

SHEET NO.

2

OF 3 SHEETS

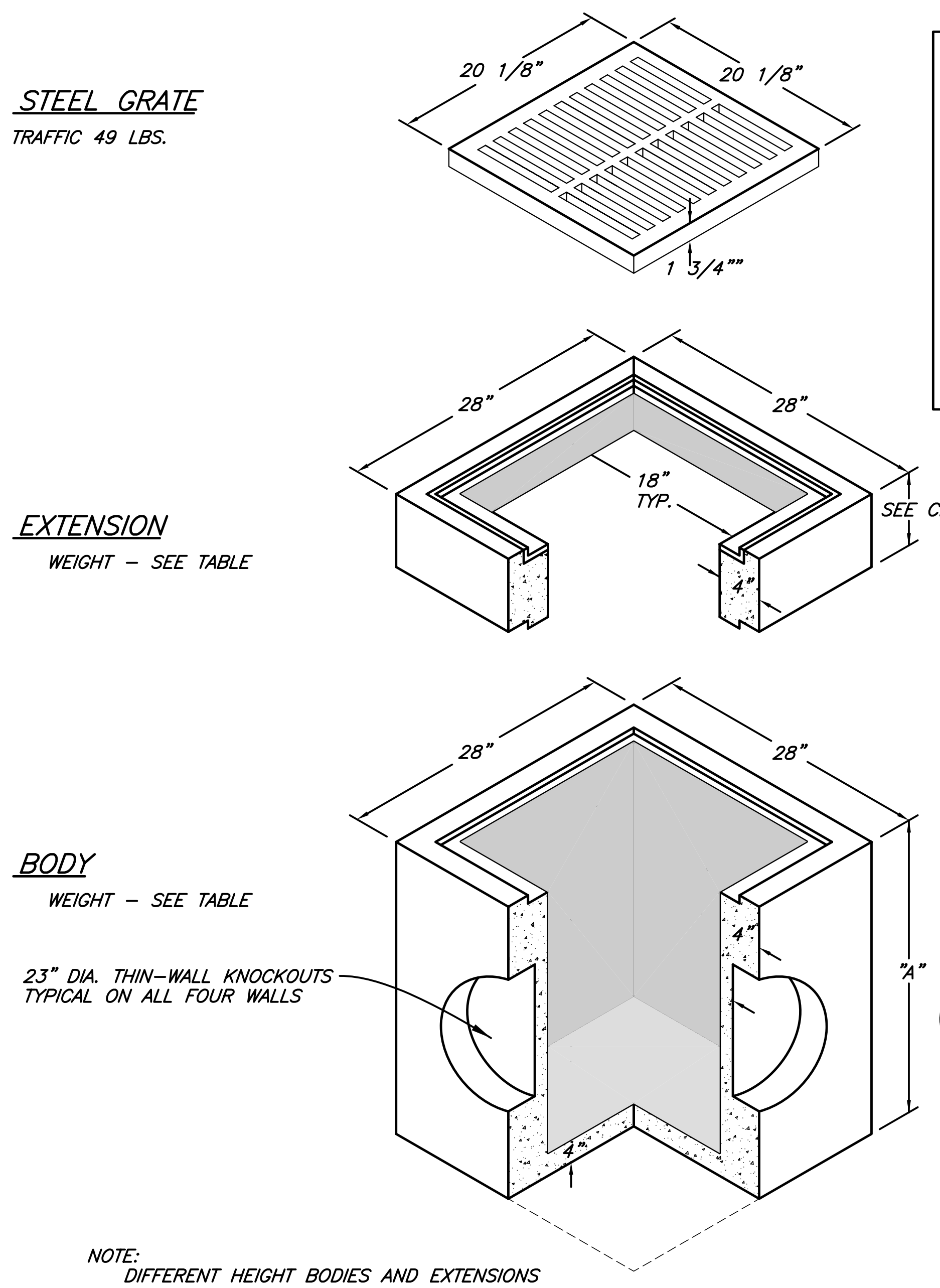
PLOT DATE:2-21-12-PLANNING REVISION

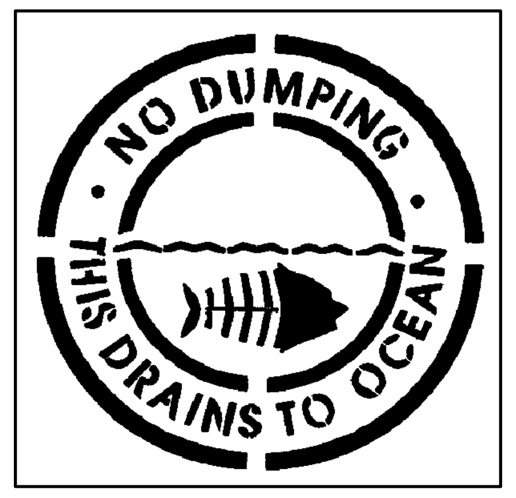

VARIES
℄
4" A.C. OVER 6" OF ROAD BASE PER SOILS ENGINEER
CONTOUR LINE AS SHOWN ON PLAN
COMPACTED FILL 90% OR PER SOILS ENGINEER

DRIVEWAY SECTION

A

NO SCALE

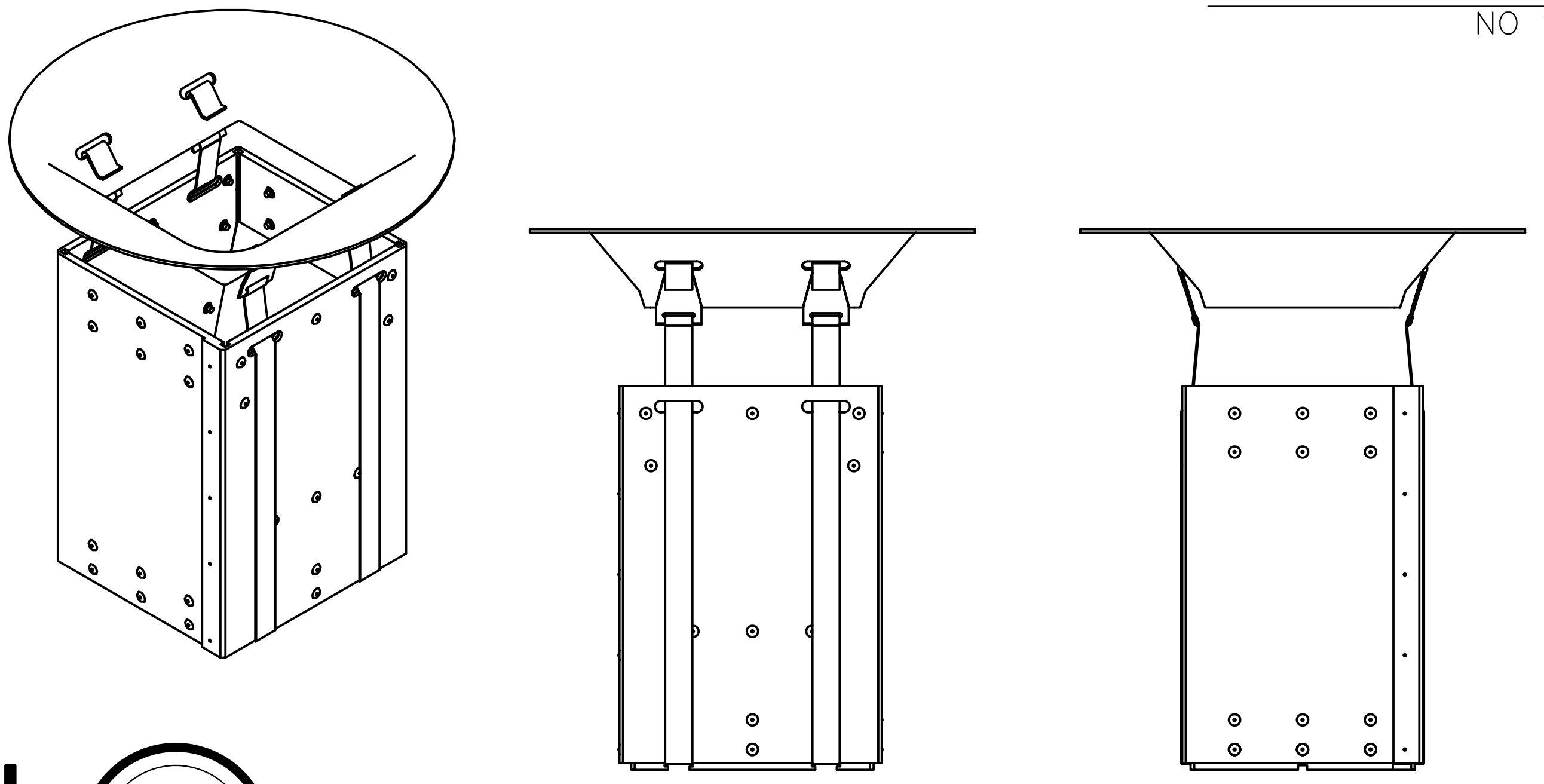

STEEL GRATE
TRAFFIC 49 LBS.
20 1/8"
20 1/8"
1 3/4""
EXTENSION
WEIGHT – SEE TABLE
28"
28"
18" TYP.
SEE CHART
4"
BODY
WEIGHT – SEE TABLE
28"
28"
4"
"A"
23" DIA. THIN-WALL KNOCKOUTS TYPICAL ON ALL FOUR WALLS
4"


NO DUMPING
THIS DRAINS TO OCEAN

TOP SECTION	
A	WEIGHT
6"	215 LBS.
12"	370 LBS.
18"	555 LBS.
24"	785 LBS.

EXTENSION SECTION	
	WEIGHT
6"	215 LBS.

LOWER SECTION	
A	WEIGHT
12"	370 LBS.
18"	555 LBS.
24"	785 LBS.



NOTE:
DIFFERENT HEIGHT BODIES AND EXTENSIONS ARE AVAILABLE ON REQUEST.
PLACE 1/2" LEACH HOLE AT BASE OF CATCH BASIN ABOVE 6" OF SAND BASE.

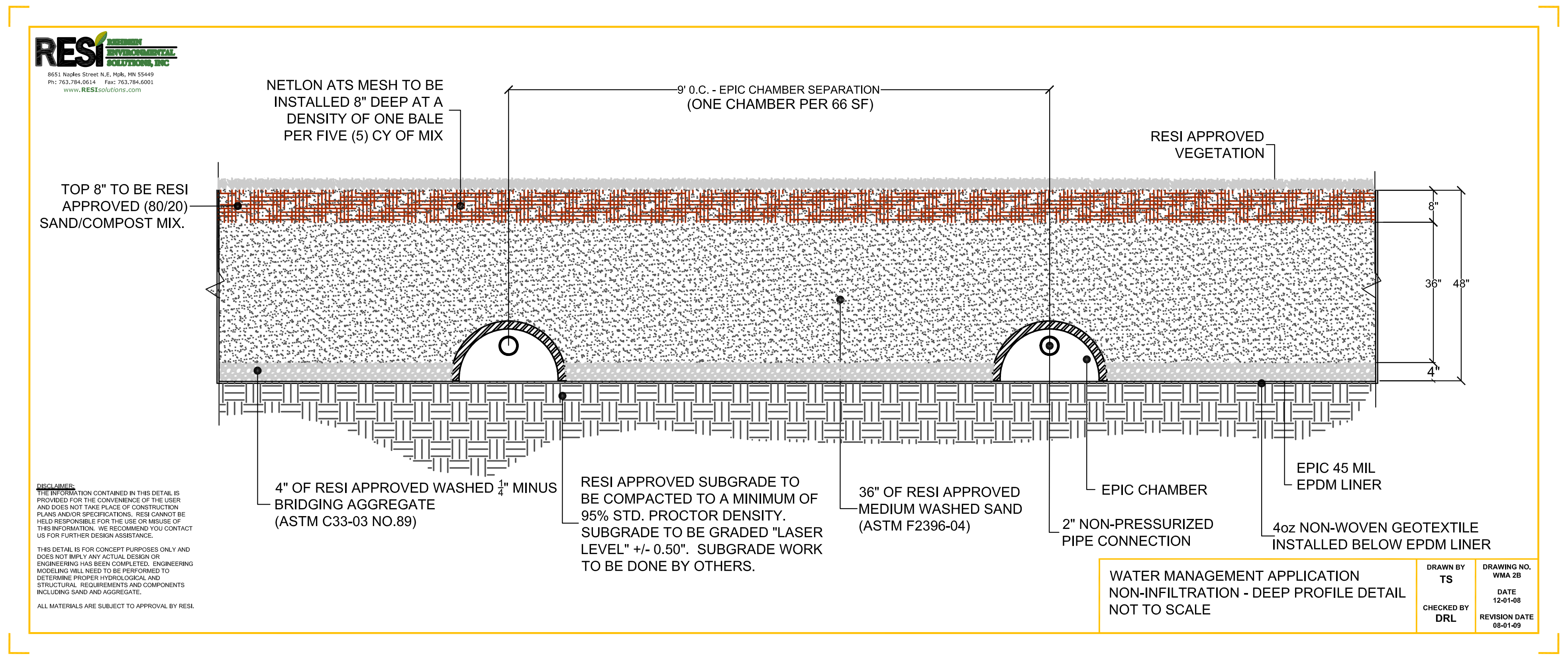
MANUFACTER
BROOKS PRODUCTS
DRAWING NO. CB-1212
13600 S. WAYSIDE DR.
HOUSTON, TX 77048
PHONE: (713) 991-2400
FAX: (713) 991-0815

SPECIFICATIONS
CONCRETE: CONCRETE HAS A DESIGN STRENGTH OF 5500 PSI AT 28 DAYS.
LOADING: DESIGNED FOR H-20 LOADING.
REINFORCEMENT: ASTM A-615 GRADE 60
C.I. CASTING: ASTM A 48 CLASS 30/35

18" X 18" CATCH BASIN

C

NO SCALE


RESI
REHBEIN ENVIRONMENTAL SOLUTIONS, INC
8651 Naples Street N.E. Mpls, MN 55449
Ph: 763.784.0614 Fax: 763.784.6001
www.RESIsolutions.com
NETLON ATS MESH TO BE INSTALLED 8" DEEP AT A DENSITY OF ONE BALE PER FIVE (5) CY OF MIX
9' O.C. - EPIC CHAMBER SEPARATION (ONE CHAMBER PER 66 SF)
RESI APPROVED VEGETATION
TOP 8" TO BE RESI APPROVED (80/20) SAND/COMPOST MIX.
8"
36"
48"
4"
4" OF RESI APPROVED WASHED $\frac{1}{4}$" MINUS BRIDGING AGGREGATE (ASTM C33-03 NO.89)
RESI APPROVED SUBGRADE TO BE COMPACTED TO A MINIMUM OF 95% STD. PROCTOR DENSITY. SUBGRADE TO BE GRADED "LASER LEVEL" +/- 0.50". SUBGRADE WORK TO BE DONE BY OTHERS.
36" OF RESI APPROVED MEDIUM WASHED SAND (ASTM F2396-04)
EPIC CHAMBER
2" NON-PRESSURIZED PIPE CONNECTION
EPIC 45 MIL EPDM LINER
4oz NON-WOVEN GEOTEXTILE INSTALLED BELOW EPDM LINER

DISCLAIMER:
THE INFORMATION CONTAINED IN THIS DETAIL IS PROVIDED FOR THE CONVENIENCE OF THE USER AND DOES NOT TAKE PLACE OF CONSTRUCTION PLANS AND/OR SPECIFICATIONS. RESI CANNOT BE HELD RESPONSIBLE FOR THE USE OR MISUSE OF THIS INFORMATION. WE RECOMMEND YOU CONTACT US FOR FURTHER DESIGN ASSISTANCE.

THIS DETAIL IS FOR CONCEPT PURPOSES ONLY AND DOES NOT IMPLY ANY ACTUAL DESIGN OR ENGINEERING HAS BEEN COMPLETED. ENGINEERING MODELING WILL NEED TO BE PERFORMED TO DETERMINE PROPER HYDROLOGICAL AND STRUCTURAL REQUIREMENTS AND COMPONENTS INCLUDING SAND AND AGGREGATE.

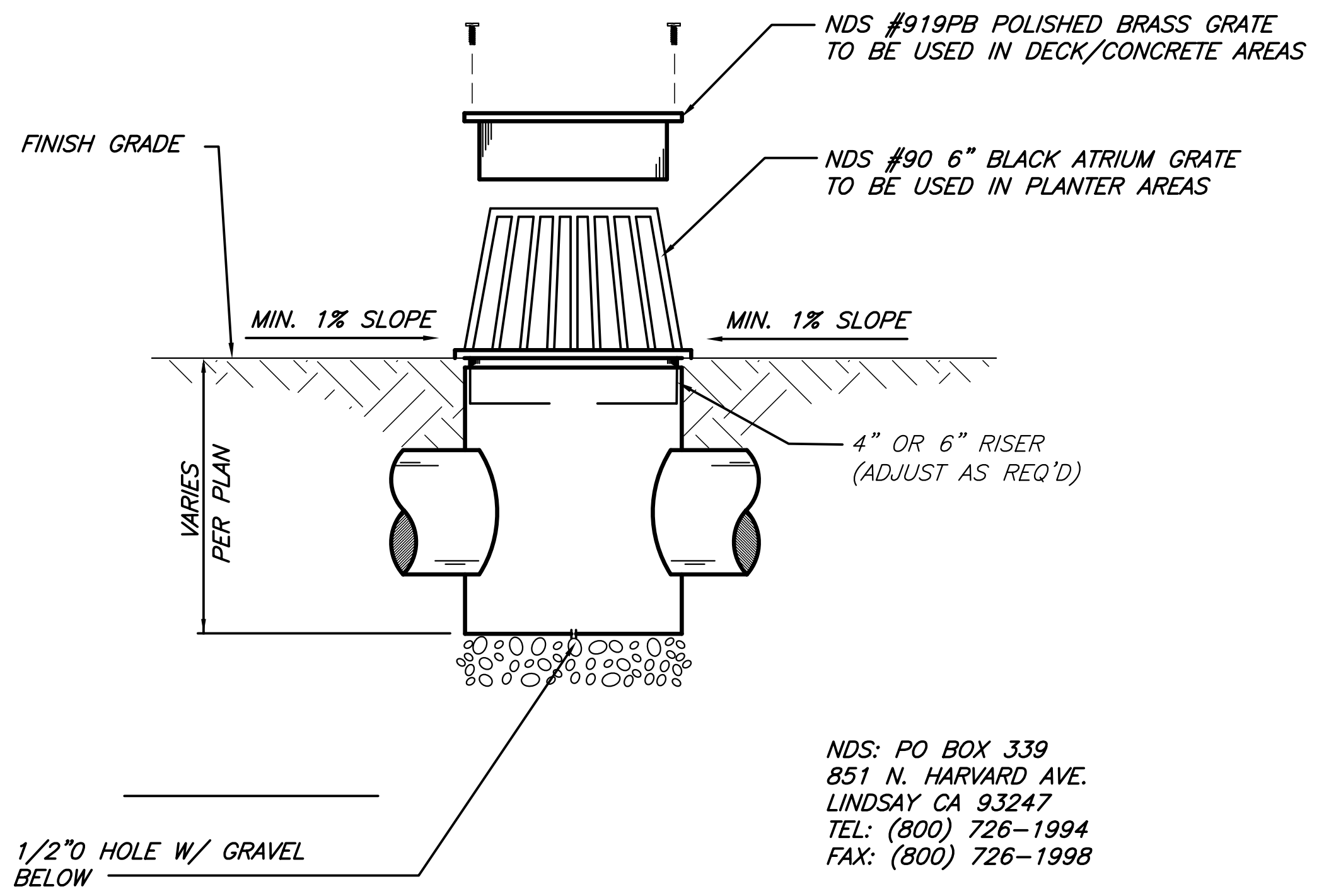
ALL MATERIALS ARE SUBJECT TO APPROVAL BY RESI.

WATER MANAGEMENT APPLICATION NON-INFILTRATION - DEEP PROFILE DETAIL NOT TO SCALE	DRAWN BY TS CHECKED BY DRL	DRAWING NO. WMA 2B DATE 12-01-08 REVISION DATE 08-01-09

RESI-EPIC STORMWATER SOLUTION

S

NO SCALE

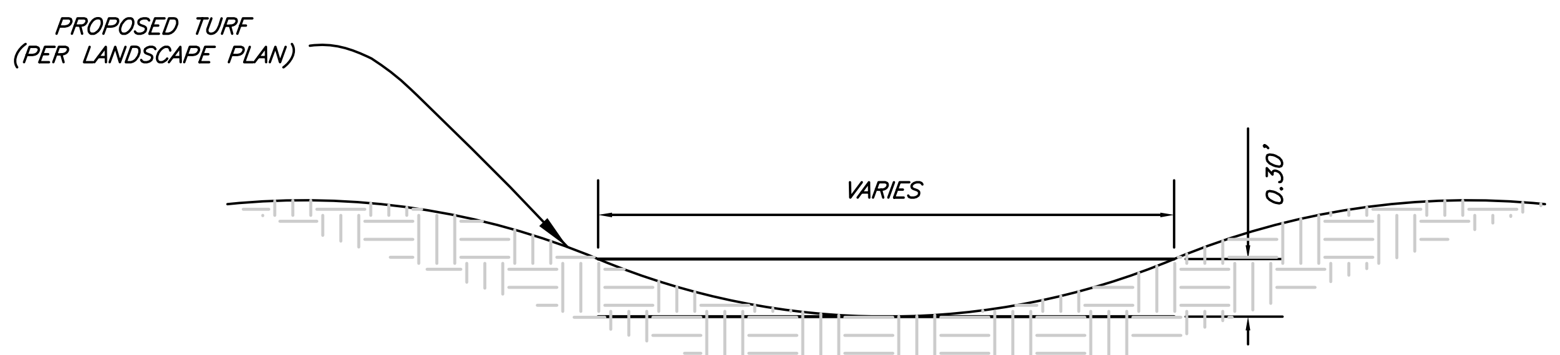

NDS #919PB POLISHED BRASS GRATE TO BE USED IN DECK/CONCRETE AREAS
NDS #90 6" BLACK ATRIUM GRATE TO BE USED IN PLANTER AREAS
FINISH GRADE
MIN. 1% SLOPE
MIN. 1% SLOPE
4" OR 6" RISER (ADJUST AS REQ'D)
VARIES PER PLAN
1/2"Ø HOLE W/ GRAVEL BELOW

NDS: PO BOX 339
851 N. HARVARD AVE.
LINDSAY CA 93247
TEL: (800) 726-1994
FAX: (800) 726-1998

AREA DRAIN

D

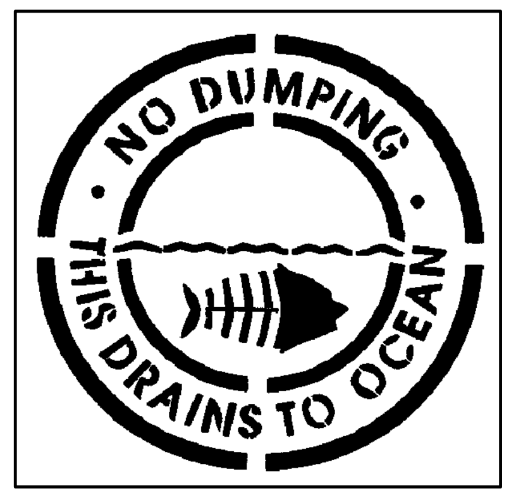
NO SCALE

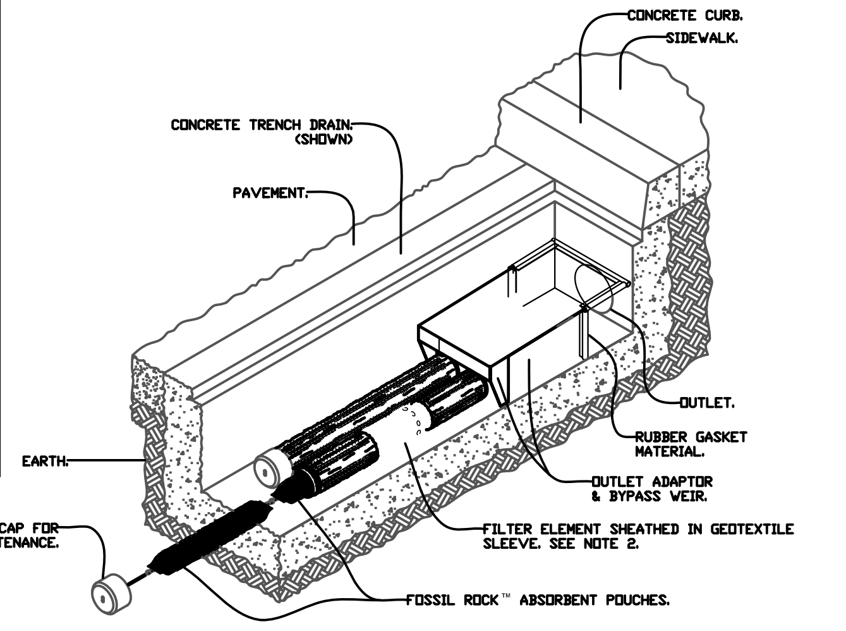

PROPOSED TURF (PER LANDSCAPE PLAN)
VARIES
0.30'

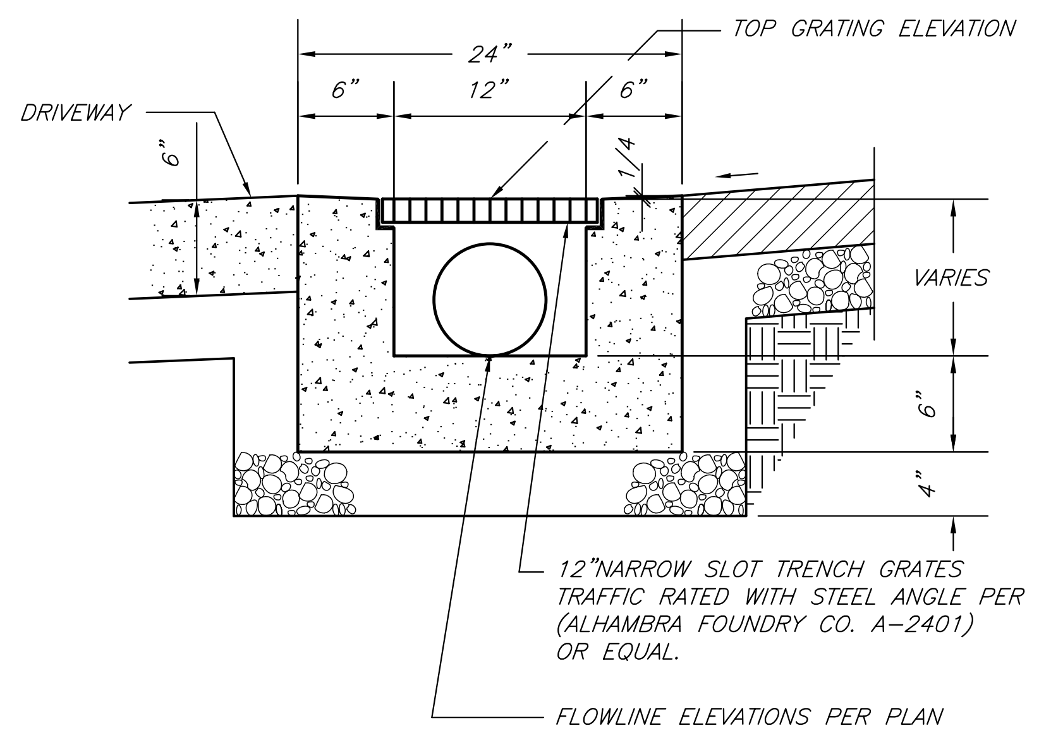
GRASSY SWALE

F

NO SCALE


NO DUMPING
THIS DRAINS TO OCEAN

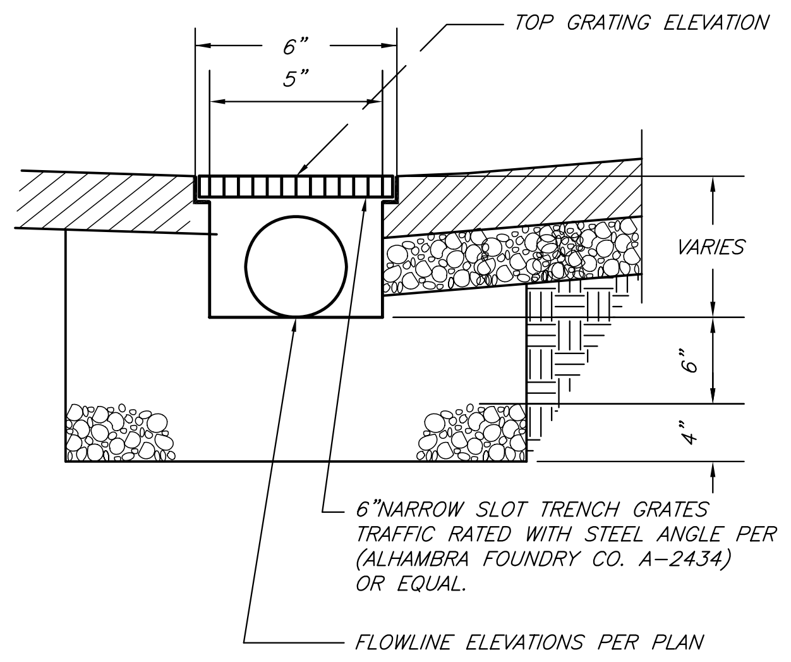

CONCRETE CURB.
SIDEWALK.
CONCRETE TRENCH DRAIN. (SHOWN)
PAVEMENT.
OUTLET.
RUBBER GASKET MATERIAL.
OUTLET ADAPTOR & BYPASS WEIR.
EARTH.
REMOVABLE CAP FOR PERIODIC MAINTENANCE.
FILTER ELEMENT SHEATHED IN GEOTEXTILE SLEEVE. SEE NOTE 2.
FOSSIL ROCK™ ABSORBENT POUCHES.


TOP GRATING ELEVATION
24"
6"
12"
6"
DRIVEWAY
6"
1/4
VARIES
6"
4"
12"NARROW SLOT TRENCH GRATES TRAFFIC RATED WITH STEEL ANGLE PER (ALHAMBRA FOUNDRY CO. A-2401) OR EQUAL.
FLOWLINE ELEVATIONS PER PLAN

12" NARROW SLOT TRENCH GRATES

H

NO SCALE


TOP GRATING ELEVATION
6"
5"
VARIES
6"
4"
6"NARROW SLOT TRENCH GRATES TRAFFIC RATED WITH STEEL ANGLE PER (ALHAMBRA FOUNDRY CO. A-2434) OR EQUAL.
FLOWLINE ELEVATIONS PER PLAN

6" NARROW SLOT TRENCH GRATES

I

NO SCALE

DIGALERT
Call Toll Free
1-800-422-4133
2 Working Days Before You Dig
Underground Service Alert
of Southern California

PLAN REVISION DESCRIPTIONS

PREPARED BY OR UNDER THE DIRECTION OF:

STEPHEN SMITH
No. C63480
Exp. 09-30-12
CIVIL

STEPHEN R SMITH P.E. 63480

DATE:

# Precise Grading Plan
for
23401 Civic Center Way

PREPARED FOR
MALIBU WF, LLC
MALIBU CA

DESCRIPTION:	BY
DESIGNED:	S.S
DRAWN:	S.S.
CHECKED:	R.H.
SUPERVISED:	S.S.
PROJ. ENGINEER:	S.S.
DRAWING SCALE:	1"=30'
PCCE JOB NUMBER:	6000-251

SHEET NO.

3

OF 3 SHEETS

PLOT DATE:2-21-12-PLANNING REVISION

WHOLE FOODS IN THE PARK

MALIBU, CA 90265

STATEMENT OF COMPLIANCE

THE LANDSCAPE DESIGN REPRESENTED IN THIS DRAWING DOCUMENT PACKAGE IS IN COMPLIANCE WITH THE APPLICABLE MANDATORY ELEMENTS OF CHAPTER 9.22 "LANDSCAPE WATER CONSERVATION" OF THE MALIBU MUNICIPAL CODE.

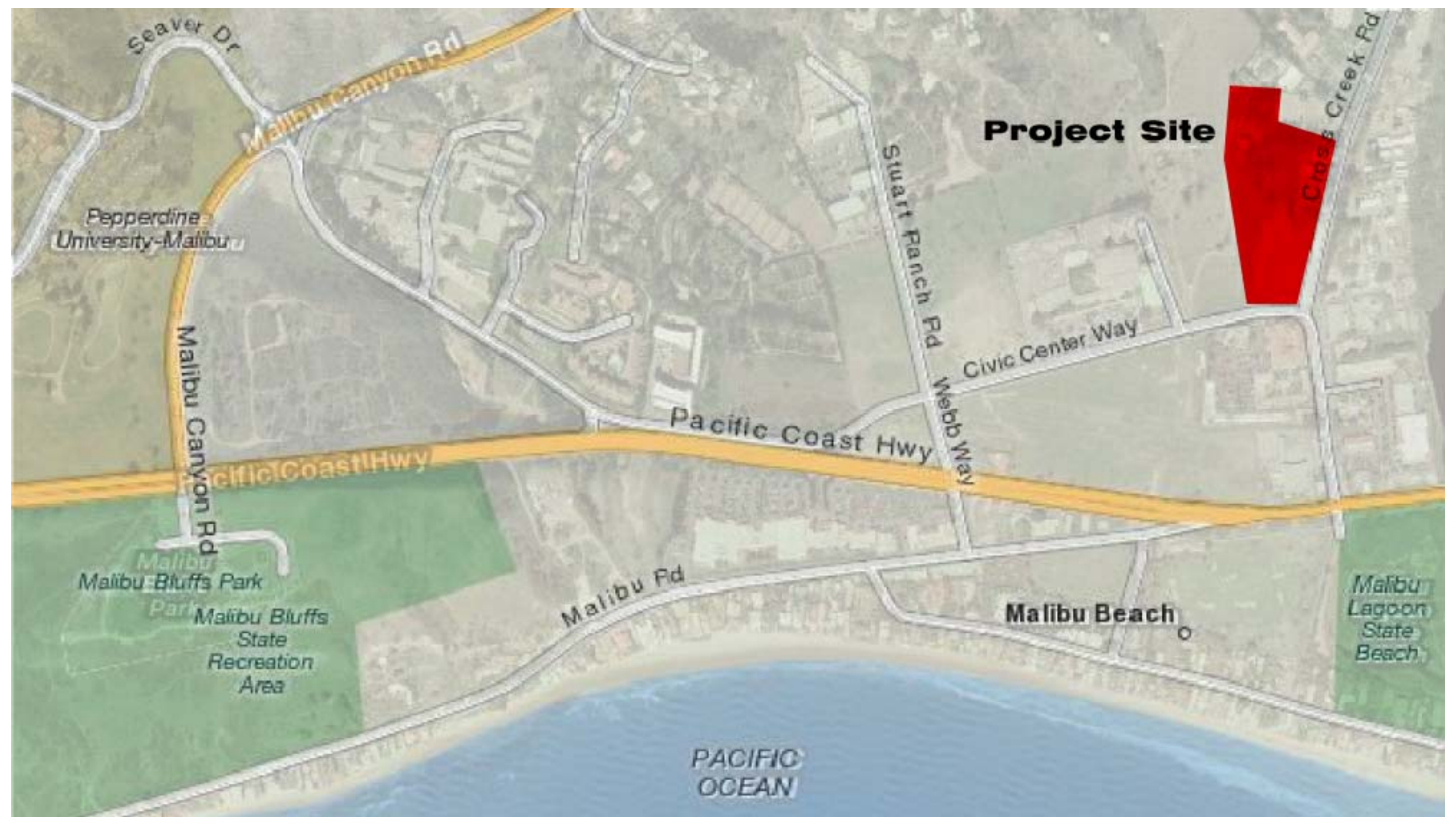
X____________________ DATE______________

MAINTENANCE NOTE

PROJECT LANDSCAPE WILL BE MAINTAINED BY

X____________________ DATE______________

LOCATION MAP


Project Site
Seaver Dr
Malibu Canyon Rd
Pepperdine University-Malibu
Stuart Ranch Rd
Cross Creek Rd
Civic Center Way
Webb Way
Pacific Coast Hwy
Pacific Coast Hwy
Malibu Canyon Rd
Malibu Bluffs Park
Malibu Bluffs State Recreation Area
Malibu Rd
Malibu Beach
Malibu Lagoon State Beach
PACIFIC OCEAN

SHEET INDEX

NUMBER	TITLE
L0.0	**Cover Sheet**
L1.0	**Hydrozone Plan**
L1.1	**Hydrozone Plan**
L2.0	**Existing Vegetation Plan**
L3.0	**Planting Plan**
L3.1	**Planting Plan**
L3.2	**Planting Legend**
L4.0	**Fuel Modification Zone Plan**
L5.0	**Soil Preparation Specifications**
L6.0	**Irrigation Plan**
L6.1	**Irrigation Plan**
L6.2	**Irrigation Legends/Water Budget Calculations**
L6.3	**Irrigation Details**
L7.0	**Hardscape Plan**
L7.1	**Hardscape Plan**

ValleyCrest
Design-Build
24151 Ventura Boulevard
Calabasas, CA 91302
818 737 3169 ph
818 225 2338 fax
www.valleycrest.com

Project Name

Whole Foods In
The Park
Malibu, CA 90265

Consultant

PROJECT COORDINATOR	Marny Randall 909 Euclid St. #6 Santa Monica CA 90403 310. 395. 2615 p.
ARCHITECTS	Goldman Firth Rossi Architects 24955 Pacific Coast Highway Suite A202 Malibu, CA 90265 310.456.1831 p. 310.456.7690 f.
SURVEYOR	M & M & Co. 16145 Roscoe Blvd. North Hills CA 91343 818. 891. 9100 p. 818. 891. 9115 f.
CIVIL ENGINEER	P.C.C.E. Inc. 23801 Calabasas Rd. #1020 Calabasas CA 91301 818. 568. 5251 p. 818. 591. 8639 f.
LANDSCAPE ARCHITECT	ValleyCrest 24151 Ventura Blvd. Calabasas CA 91302 818. 737. 3169 p. 818. 225. 2338 f. www.valleycrest.com
LIGHTING	LightVision 1213 S. Ogden Drive Los Angeles CA 90019 323. 932. 0700 p. 323. 571. 0940
SOILS & GEOLOGY	GeoConcepts, Inc. 14428 Hamlin St. #200 Van Nuys CA 91401 818. 994. 8895 p. 818. 225. 2338 f. www.GeoConceptsinc.com
ARCHEOLOGY	H.E.A.R.T. 8701 Lava Place West Hills CA 91304 818. 340. 6676 p. 818. 340. 6676 f.
BIOLOGY	Rachel Tierney P.O. Box 1113 Santa Barbara CA 93102 805. 957. 1100 p.
TRAFFIC STUDY	Overland Traffic Consultants, Inc. 27201 Turney Rd,. #206 Santa Clarita CA 91355 661. 799. 8423 p. 661. 799. 8456 f.
ACOUSTICS (Noise Impact Study)	Schaffer Acoustics, Inc. 869 Via de La Paz Ste. D Pacific Palisades, CA 90272 310. 459. 6463 p. Mark Schaffer, P.E.

Registration

REGISTERED LANDSCAPE ARCHITECT
KURT P. BUXTON
3250
____
Signature
____
Date
Expires 4-30-12
STATE OF CALIFORNIA

Sheet Title

COVER SHEET

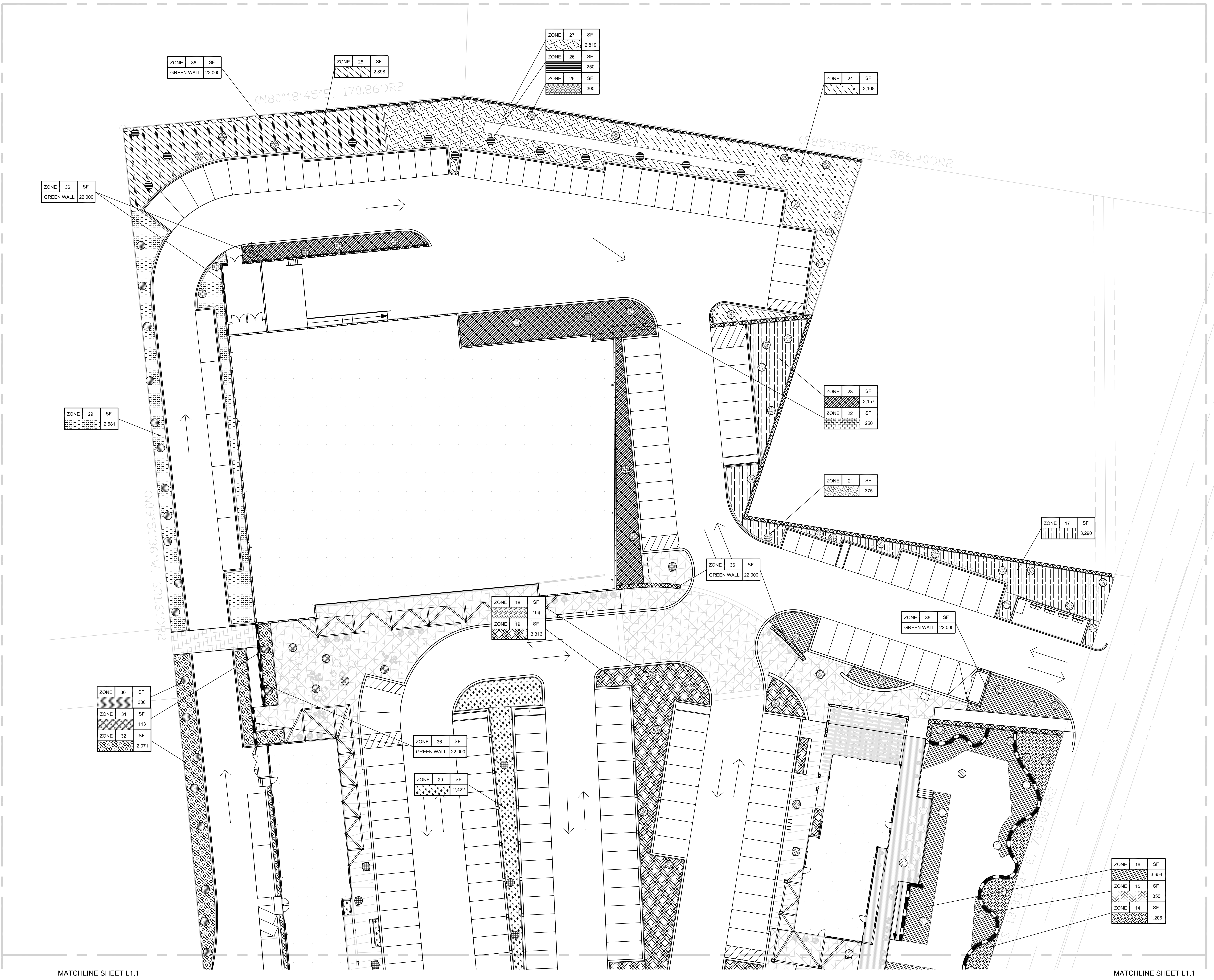
Date: **July 10, 2010**
Project No. **177079**
Drawn By: **DL**
Checked By:
Scale: **N/A**

Rev.	Date	Description
	05.05.10	Planning
	09.20.10	Planning Revision
	11.16.10	Planning Revision
	04.28.11	Planning Revision
△1	07.12.11	Planning Revision
△2	08.19.11	Planning Revision
	08.22.11	Planning Revision
	02.21.12	Planning Revision
	03.04.13	Revisions

Sheet No.

L0.0

NOT FOR CONSTRUCTION


ZONE 36 SF GREEN WALL 22,000
ZONE 28 SF 2,898
ZONE 27 SF 2,819
ZONE 26 SF 250
ZONE 25 SF 300
ZONE 24 SF 3,108
(N80°18'45"E, 170.86')R2
(S85°25'55"E, 386.40')R2
ZONE 36 SF GREEN WALL 22,000
ZONE 29 SF 2,581
(N09°51'36"W, 631.61')R2
ZONE 23 SF 3,157
ZONE 22 SF 250
ZONE 21 SF 375
ZONE 17 SF 3,290
ZONE 36 SF GREEN WALL 22,000
ZONE 18 SF 188
ZONE 19 SF 3,316
ZONE 36 SF GREEN WALL 22,000
ZONE 30 SF 300
ZONE 31 SF 113
ZONE 32 SF 2,071
ZONE 36 SF GREEN WALL 22,000
ZONE 20 SF 2,422
ZONE 16 SF 3,654
ZONE 15 SF 350
ZONE 14 SF 1,206

MATCHLINE SHEET L1.1

MATCHLINE SHEET L1.1

HYDROZONES

ZONE		SF	WATER USE
1	▨	3,065	LOW
2	▨	3,076	LOW
3	▨	175	MED
4	▨	2,535	LOW
5	▨	300	MED
6	▨	2,840	LOW
7	▨	3,123	LOW
8	▨	2,151	LOW
9	▨	88	MED
10	▨	962	LOW
11	▨	1,747	LOW
12	▨	263	MED
13	▨	2,298	LOW
14	▨	1,206	LOW
15	▨	350	MED
16	▨	3,654	LOW
17	▨	3,290	LOW
18	▨	188	MED
19	▨	3,316	LOW
20	▨	2,422	LOW
21	▨	375	MED
22	▨	250	MED
23	▨	3,157	LOW
24	▨	3,108	LOW
25	▨	300	MED
26	▨	250	MED
27	▨	2,819	LOW
28	▨	2,898	LOW
29	▨	2,581	LOW
30	▨	300	MED
31	▨	113	MED
32	▨	2,071	LOW
33	▨	225	MED
34	▨	1,753	LOW
35	▨	1,872	LOW
36	GREEN WALL	22,000	LOW

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KURT P. BUXTON
3250
Signature
Date
Expires 4-30-12
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Sheet Title

HYDROZONE PLAN

Date: July 10, 2010
Project No. 177079
Drawn By: DL
Checked By:
Scale: 1" = 20'-0"

Rev.	Date	Description
	05.05.10	Planning
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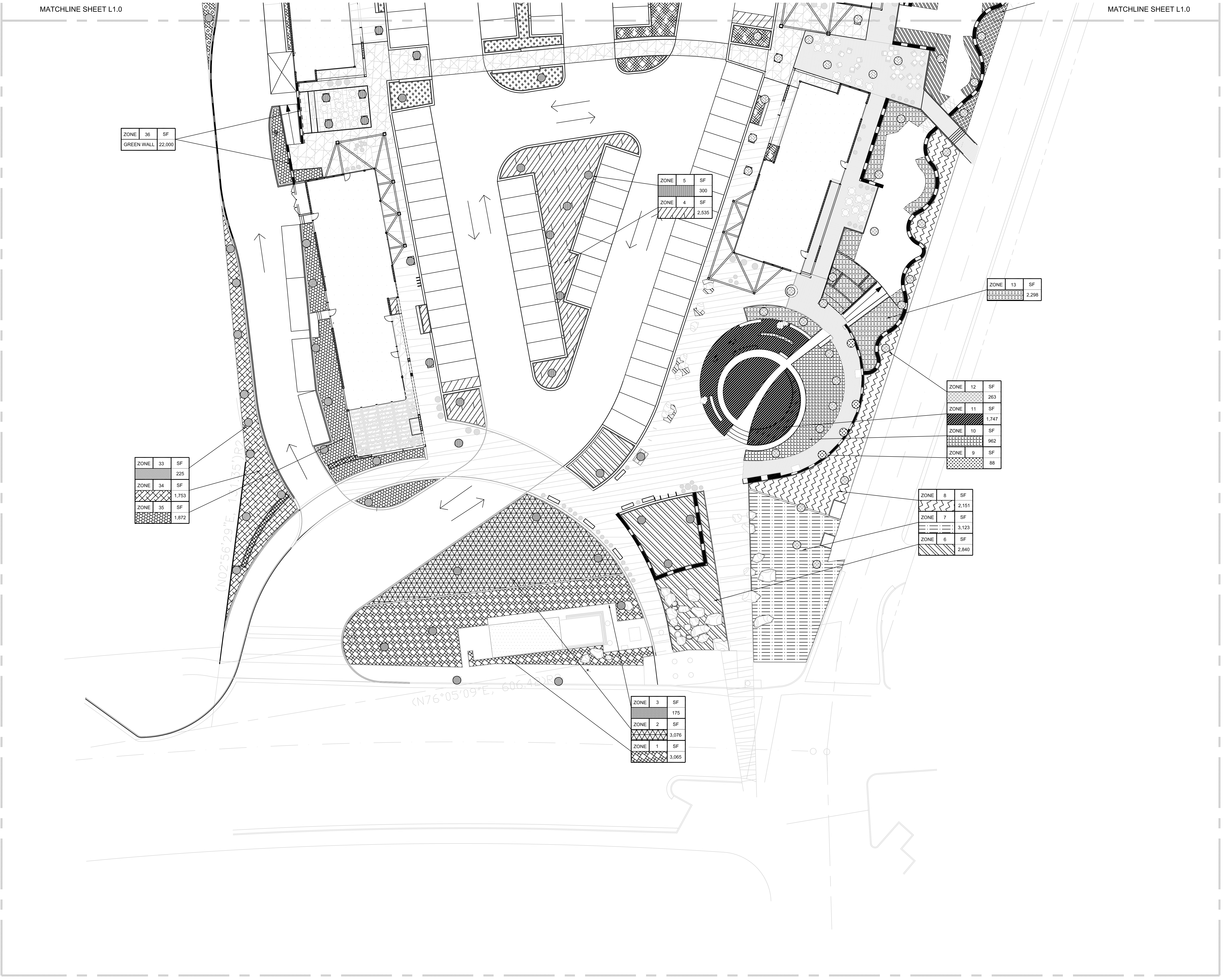
MATCHLINE SHEET L1.0
MATCHLINE SHEET L1.0
ZONE 36 SF GREEN WALL 22,000
ZONE 5 SF 300
ZONE 4 SF 2,535
ZONE 13 SF 2,298
ZONE 12 SF 263
ZONE 11 SF 1,747
ZONE 10 SF 962
ZONE 9 SF 88
ZONE 8 SF 2,151
ZONE 7 SF 3,123
ZONE 6 SF 2,840
ZONE 33 SF 225
ZONE 34 SF 1,753
ZONE 35 SF 1,872
ZONE 3 SF 175
ZONE 2 SF 3,076
ZONE 1 SF 3,065
(N02°56'29"E, 131.35')R2
(N76°05'09"E, 606.42)R2

HYDROZONES

ZONE		SF	WATER USE
1	▨	3,065	LOW
2	▨	3,076	LOW
3	▨	175	MED
4	▨	2,535	LOW
5	▨	300	MED
6	▨	2,840	LOW
7	▨	3,123	LOW
8	▨	2,151	LOW
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28	▨	2,898	LOW
29	▨	2,581	LOW
30	▨	300	MED
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33	▨	225	MED
34	▨	1,753	LOW
35	▨	1,872	LOW
36	GREEN WALL	22,000	LOW

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Malibu, CA 90265

Consultant

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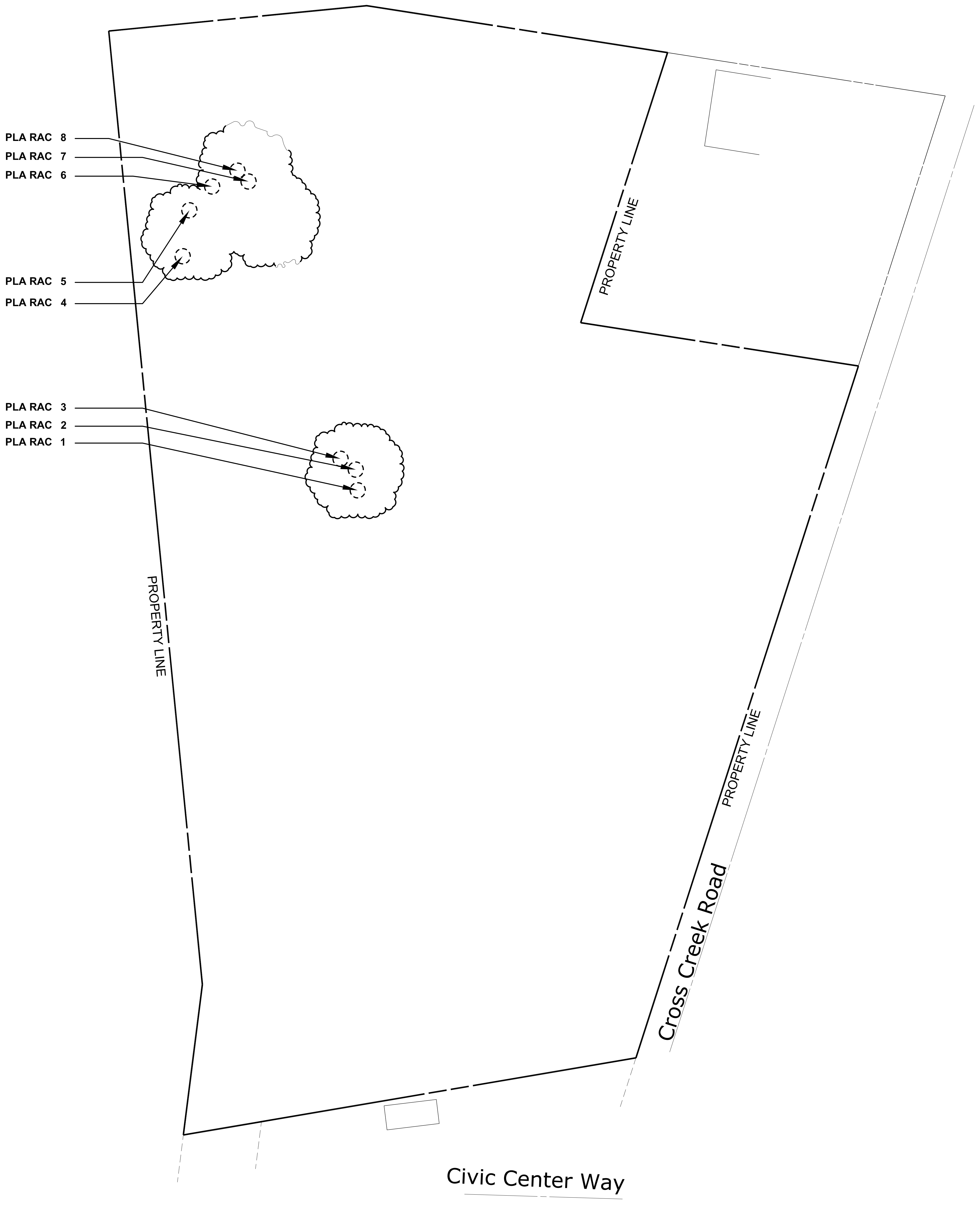

EXISTING TREES

NO.	SYMBOL	BOTANICAL NAME	COMMON NAME	RETAIN/REMOVE	
		TREES			
1	PLA RAC	Platanus racemosa	Western Sycamore	To be removed	To be replaced per mitigation requirements in Section 5.0 City Of Malibu Local Coastal Program Local Implementation Plan. See sheets L3.0, 3.1, 3.2
2	PLA RAC	Platanus racemosa	Western Sycamore	To be removed	
3	PLA RAC	Platanus racemosa	Western Sycamore	To be removed	
4	PLA RAC	Platanus racemosa	Western Sycamore	To be removed	
5	PLA RAC	Platanus racemosa	Western Sycamore	To be removed	
6	PLA RAC	Platanus racemosa	Western Sycamore	To be removed	
7	PLA RAC	Platanus racemosa	Western Sycamore	To be removed	
8	PLA RAC	Platanus racemosa	Western Sycamore	To be removed	

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TRAFFIC STUDY	Overland Traffic Consultants, Inc. 27201 Turney Rd,. #206 Santa Clarita CA 91355 661. 799. 8423 p. 661. 799. 8456 f.
ACOUSTICS (Noise Impact Study)	Schaffer Acoustics, Inc. 869 Via de La Paz Ste. D Pacific Palisades, CA 90272 310. 459. 6463 p. Mark Schaffer, P.E.

Registration

REGISTERED LANDSCAPE ARCHITECT
KURT P. BUXTON
3250
Signature
Date
Expires 4-30-12
STATE OF CALIFORNIA

Sheet Title

EXISTING
VEGETATION PLAN

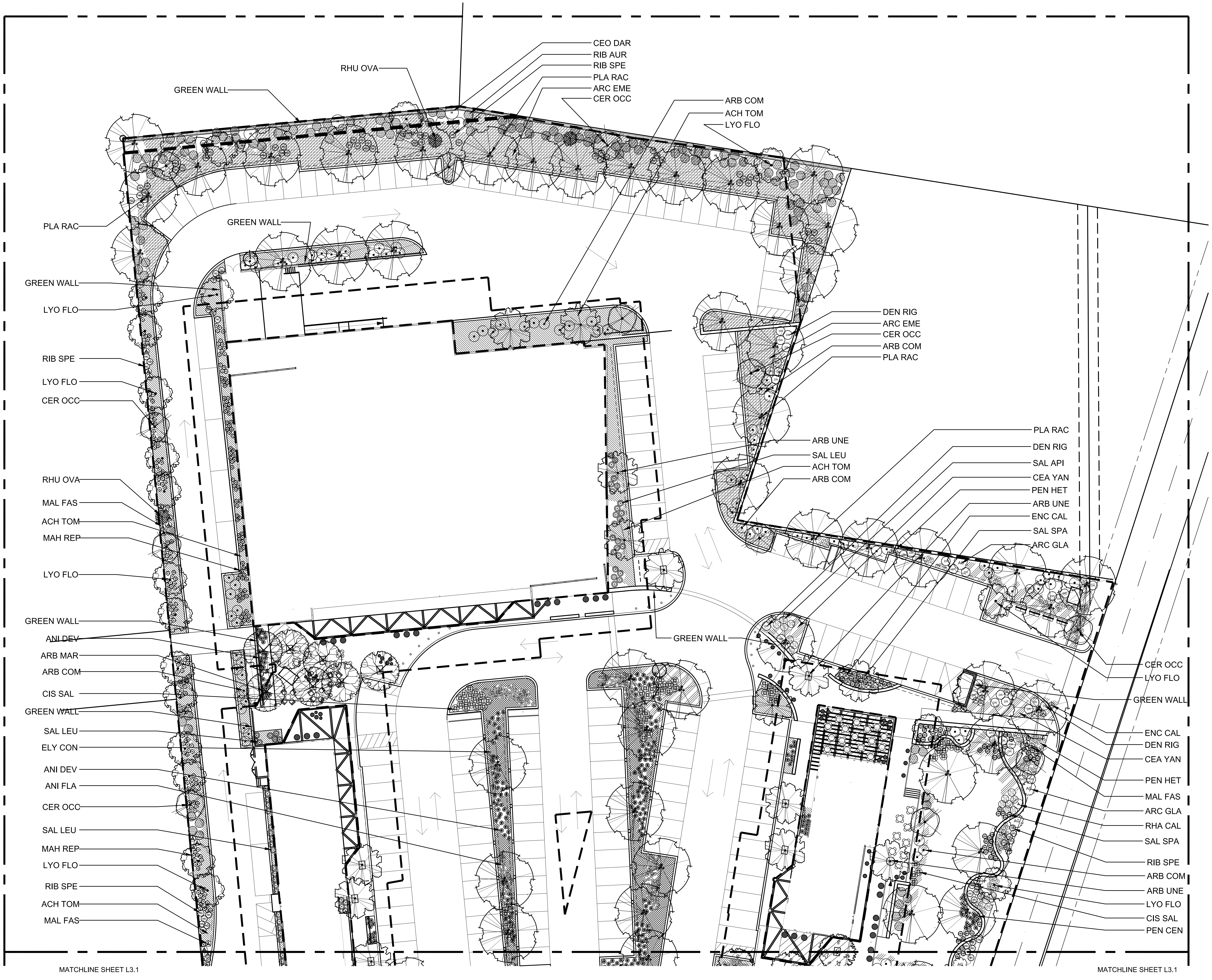
Date: July 10, 2010
Project No. 177079
Drawn By: DL
Checked By:
Scale: N/A

Rev.	Date	Description
	05.05.10	Planning
	09.20.10	Planning Revision
	11.16.10	Planning Revision
	04.28.11	Planning Revision
1	07.12.11	Planning Revision
2	08.19.11	Planning Revision
	08.22.11	Planning Revision
	02.21.12	Planning Revision
	03.04.13	Revisions

Sheet No.

L2.0

NOT FOR CONSTRUCTION


CEO DAR
RIB AUR
RIB SPE
PLA RAC
ARC EME
CER OCC
RHU OVA
GREEN WALL
ARB COM
ACH TOM
LYO FLO
PLA RAC
GREEN WALL
GREEN WALL
LYO FLO
RIB SPE
LYO FLO
CER OCC
RHU OVA
MAL FAS
ACH TOM
MAH REP
LYO FLO
GREEN WALL
ANI DEV
ARB MAR
ARB COM
CIS SAL
GREEN WALL
SAL LEU
ELY CON
ANI DEV
ANI FLA
CER OCC
SAL LEU
MAH REP
LYO FLO
RIB SPE
ACH TOM
MAL FAS
DEN RIG
ARC EME
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ARB UNE
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MAL FAS
ARC GLA
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RIB SPE
ARB COM
ARB UNE
LYO FLO
CIS SAL
PEN CEN
MATCHLINE SHEET L3.1
MATCHLINE SHEET L3.1

PROJECT STATISTICS

PLANTING AREA	77,190 S.F.

PLANTING NOTES

1. PLANT MATERIAL SYMBOLS SHOWN ON THESE PLANS ARE TYPICAL THROUGHOUT THE DRAWING SET. EACH SHEET CONTAINS A PLANT CALLOUT FOR EACH SYMBOL.
2. QUANTITIES GIVEN FOR PLANT MATERIALS SPECIFIED FOR "ON CENTER" SPACING ARE SHOWN FOR CONVENIENCE ONLY ARE SUBORDINATE TO THE SPACING GIVEN. CHECK AND SUPPLY SUFFICIENT NUMBER OF PLANTS TO FULLFILL FIELD CONDITIONS.
3. STRIP ROOT BARRIER PANELS TO BE LOCATED AT ALL TREES PLANTED WITHIN 6'-0" OF A CONCRETE WALKWAY, CURB OR ASPHALT.
4. ALL PLANT MATERIAL TO BE INSTALLLED IN ACCORDANCE WITH SPECIFICATIONS AND CONSTRUCTION DETAILS.

PLANT LEGEND

SYMBOL	BOTANICAL NAME
	TREES
PLA RAC	Platanus racemosa
ARB MAR	Arbutus 'Marina'
CER OCC	Cercis occidentalis
CER CAN	Cercis canadensis
ARB UNE	Arbutus unedo
FRA VEL	Fraxinus velutina
LYO FLO	Lyonothamnus floribundus ssp. asplenifolius
	SHRUBS
ANI FLA	Anigozanthos 'Bush Gold'
ARB COM	Arbutus unedo 'Compacta'
ARC GLA	Arctostaphylos glauca
CEA DAR	Ceanothus 'Dark Star'
CEA LEU	Ceanothus leucodermis
CIS SAL	Cistus x purpureus
DEN RIG	Dendromecon rigida
ENC CAL	Encelia californica
ANI DEV	Anigozanthos 'Orange Cross'
LEO LEO	Leonotis leonurus
MAH REP	Mahonia repens
MAL FAS	Malocothamnus fasciculatus
RHA CAL	Rhamnus californica 'Eve Case'
RHU OVA	Rhus ovata
RIB AUR	Ribes aureum
RIB SPE	Ribes speciosum
ROM COU	Romneya coulteri
SAL SPA	Salvia spathacea
SAL CHA	Salvia chamaedryoides
SAL LEU	Salvia leucantha
SAL API	Salvia apiana
	PERENNIALS/BULBS
ACH MIL	Achillea millefolium
KNI MAL	Kniphofia 'Malibu Yellow'
PEN CEN	Penstemon centranthifolius
PEN HET	Penstemon heterophyllus
PEN MAR	Penstemon 'Margarita BOP'
ZAU CAL	Zauchneria californica
	GROUNDCOVER
ARC EME	Arctostaphylos 'Emerald Carpet'
CEA YAN	Ceanothus 'Yankee Point'
CIS SUN	Cistus 'Sunset'
ELY CON	Elymus condensatus
ACH TOM	Achillea tomentosa
	GREEN WALL PLANTS
ECH PUL	Echeveria pulvinata
SED SPU	Sedum spurium 'Tricolor'
SED RUB	Sedum rubrotinctum
SED NUS	Sedum nussbaumerianum
CRA SPP	Crassula spp.
GRA SPP	Graptoveria spp.
SEM ARA	Sempervivum arachnoideum
PAC OVI	Pachyphytum oviferum

SHEET NOTES

1. SEE SHEET L3.2 FOR NOTES AND LEGENDS

ValleyCrest
Design-Build
24151 Ventura Boulevard
Calabasas, CA 91302
818 737 3169 ph
818 225 2338 fax
www.valleycrest.com

Project Name

Whole Foods In The Park
Malibu, CA 90265

Consultant

PROJECT COORDINATOR	Marny Randall 909 Euclid St. #6 Santa Monica CA 90403 310. 395. 2615 p.
ARCHITECTS	Goldman Firth Rossi Architects 24955 Pacific Coast Highway Suite A202 Malibu, CA 90265 310.456.1831 p. 310.456.7690 f.
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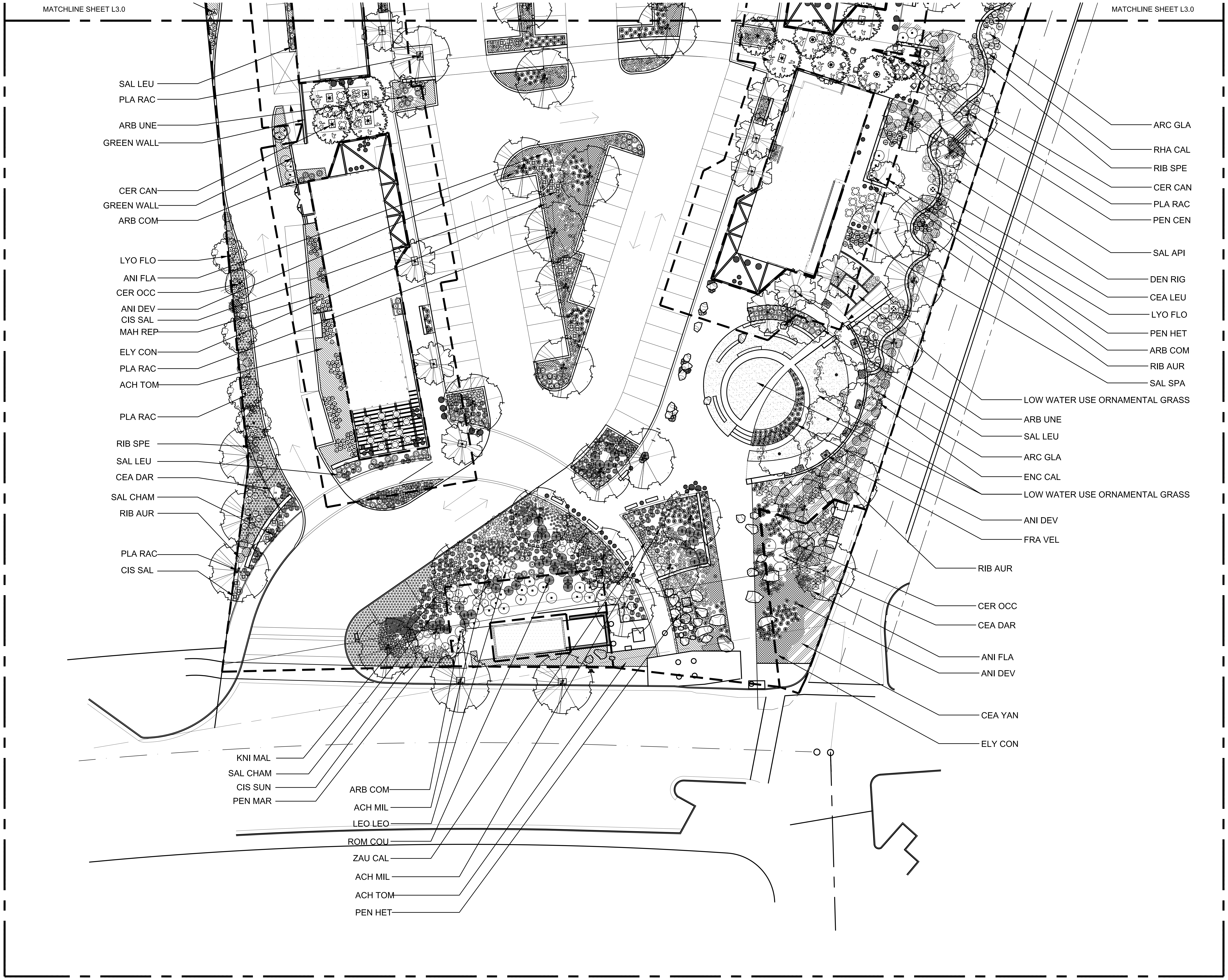
MATCHLINE SHEET L3.0
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ANI FLA
CER OCC
ANI DEV
CIS SAL
MAH REP
ELY CON
PLA RAC
ACH TOM
PLA RAC
RIB SPE
SAL LEU
CEA DAR
SAL CHAM
RIB AUR
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PLA RAC
PEN CEN
SAL API
DEN RIG
CEA LEU
LYO FLO
PEN HET
ARB COM
RIB AUR
SAL SPA
LOW WATER USE ORNAMENTAL GRASS
ARB UNE
SAL LEU
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CEA YAN	Ceanothus 'Yankee Point'
CIS SUN	Cistus 'Sunset'
ELY CON	Elymus condensatus
ACH TOM	Achillea tomentosa
	GREEN WALL PLANTS
ECH PUL	Echeveria pulvinata
SED SPU	Sedum spurium 'Tricolor'
SED RUB	Sedum rubrotinctum
SED NUS	Sedum nussbaumerianum
CRA SPP	Crassula spp.
GRA SPP	Graptoveria spp.
SEM ARA	Sempervivum arachnoideum
PAC OVI	Pachyphytum oviferum

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Project Name

Whole Foods In The Park
Malibu, CA 90265

Consultant

PROJECT COORDINATOR	Marny Randall 909 Euclid St. #6 Santa Monica CA 90403 310. 395. 2615 p.
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L3.1

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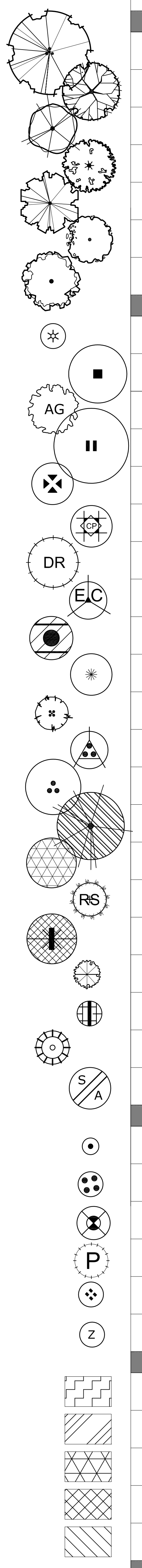
PLANT LEGEND



SYMBOL	BOTANICAL NAME	COMMON NAME	WATER USE	FUEL MOD ZONE	NATIVE	SPACING /QTY	DIMENSIONS/REMARKS/NOTES
	TREES						
PLA RAC	Platanus racemosa	Western Sycamore	Medium	B	Yes	See Notes	Mitigation replacement trees for 8 existing Platanus racemosa to be removed. See Section 5.0 City Of Malibu Local Coastal Program Local Implementation Plan Quantities per size: 15 @ 60" box, 15 @ 48" box, 10 @ 36" box, 10 @ 24" box, 31 @ 15 gal.
ARB MAR	Arbutus 'Marina'	NCN	Low	A/B-15	No	See Plan	
CER OCC	Cercis occidentalis	Western Redbud	Low	A/B-10	Yes	See Plan	
CER CAN	Cercis canadensis	Eastern Redbud	Medium	A/B-10	No	See Plan	Standard
ARB UNE	Abutus unedo	Strawberry Tree	Low	A/B-10	Yes	See Plan	Store front and sidewalk trees - Alt. Cercis canadensis, Feijoa sellowiana, Metrosideros excelsa
FRA VEL	Fraxinus velutina	Arizona Ash	Medium	B	No	7 qty 36" box	
LYO FLO	Lyonothamnus floribundus ssp. asplenifolius	Catalina Ironwood	Very Low	A/B-15	Yes	See Plan	Alt. Arbutus unedo
	SHRUBS						
ANI FLA	Anigozanthos 'Bush Gold'	Yellow Kangaroo Paw	Low	A/B	No	24" o.c.	
ARB COM	Arbutus unedo 'Compacta'	Dwarf Strawberry Tree	Low	A/B-5	No	48" o.c.	
ARC GLA	Arctostaphylos glauca	Bigberry Manzanita	Low	B	Yes	54" o.c.	
CEA DAR	Ceanothus 'Dark Star'	Dark Star Ceanothus	Low	B-30	Yes (Hyb)	48" o.c.	
CEA LEU	Ceanothus leucodermis	White Bark California Lilac	Very Low	B-30	Yes	48" o.c.	
CIS SAL	Cistus x purpureus	Orchid Rockrose	Low	B	No	36" o.c.	
DEN RIG	Dendromecon rigida	Poppy Bush	Very Low	B	Yes	36" o.c.	Alt. Westringia 'Wynyabbie Gem'
ENC CAL	Encelia californica	California Encelia	Very Low	A/B-10	Yes	36" o.c.	
ANI DEV	Anigozanthos 'Orange Cross'	Red Orange Kangaroo Paw	Low	A/B	No	18" o.c.	
LEO LEO	Leonotis leonurus	Lion's Tail	Low	A/B-10	No	36" o.c.	
MAH REP	Mahonia repens	Creeping Mahonia	Low	A/B	Yes	24" o.c.	
MAL FAS	Malocothamnus fasciculatus	Bush Mallow	Very Low	B	Yes	40" o.c.	
RHA CAL	Rhamnus californica 'Eve Case'	'Eve Case' Coffeeberry	Very Low	B	Yes	48" o.c.	
RHU OVA	Rhus ovata	Sugar Bush	Very Low	B-30	Yes	48" o.c.	
RIB AUR	Ribes aureum	Golden Currant	Low	A/B-5	Yes	36" o.c.	
RIB SPE	Ribes speciosum	Fuchsia-Flowering Gooseberry	Low	A/B-10	Yes	36" o.c.	
ROM COU	Romneya coulteri	Matilija Poppy	Very Low	B	Yes	36" o.c.	
SAL SPA	Salvia spathacea	Hummingbird Sage	Low	B	Yes	24" o.c.	
SAL CHA	Salvia chamaedryoides	Germander Sage	Low	A/B	No	36" o.c.	
SAL LEU	Salvia leucantha	Mexican Bush Sage	Low	A/B	No	24" o.c.	
SAL API	Salvia apiana	White Sage	Very Low	B	Yes	24" o.c.	Alt. Salvia Leucantha
	PERENNIALS/BULBS						
ACH MIL	Achillea millefolium	Common Yarrow	Low	A/B	Yes	18" o.c.	
KNI MAL	Kniphofia 'Malibu Yellow'	'Malibu Yellow' Red Hot Poker	Low	A/B	No	24" o.c.	Alt. Euphorbia charcias 'Bruces Dwarf'
PEN CEN	Penstemon centranthifolius	Scarlet Bugler	Low	A/B	Yes	18" o.c.	
PEN HET	Penstemon heterophyllus	Bunchleaf Penstemon	Low	A/B	Yes	18" o.c.	
PEN MAR	Penstemon 'Margarita BOP'	Blue Bedder	Low	A/B	Yes	18" o.c.	
ZAU CAL	Zauchneria californica	California Fuschia	Very Low	B	Yes	18" o.c.	
	GROUNDCOVER						
ARC EME	Arctostaphylos 'Emerald Carpet'	Emerald Carpet Manzanita	Low	B	Yes (Hyb)	30" o.c.	
CEA YAN	Ceanothus 'Yankee Point'	Yankee Point Ceanothus	Low	B-30	Yes (Hyb)	36" o.c.	
CIS SUN	Cistus 'Sunset'	Rockrose	Low	B	No	36" o.c.	
ELY CON	Elymus condensatus	Wild Rye	Low	B	Yes	18" o.c.	
ACH TOM	Achillea tomentosa	Wooly Yarrow	Low	A/B	No	12" o.c.	
	GREEN WALL PLANTS						
ECH PUL	Echeveria pulvinata	Echeveria	Low	A/B			
SED SPU	Sedum spurium 'Tricolor'	Two-row Stonecrop	Low	A/B			
SED RUB	Sedum rubrotinctum	Pork and Beans	Low	A/B			
SED NUS	Sedum nussbaumerianum	Coppertone Stonecrop	Low	A/B			
CRA SPP	Crassula spp.	Crassula	Low	A/B			
GRA SPP	Graptoveria spp.	Graptoveria	Low	A/B			
SEM ARA	Sempervivum arachnoideum	Cobweb Houseleek	Low	A/B			
PAC OVI	Pachyphytum oviferum	Moonstone	Low	A/B			

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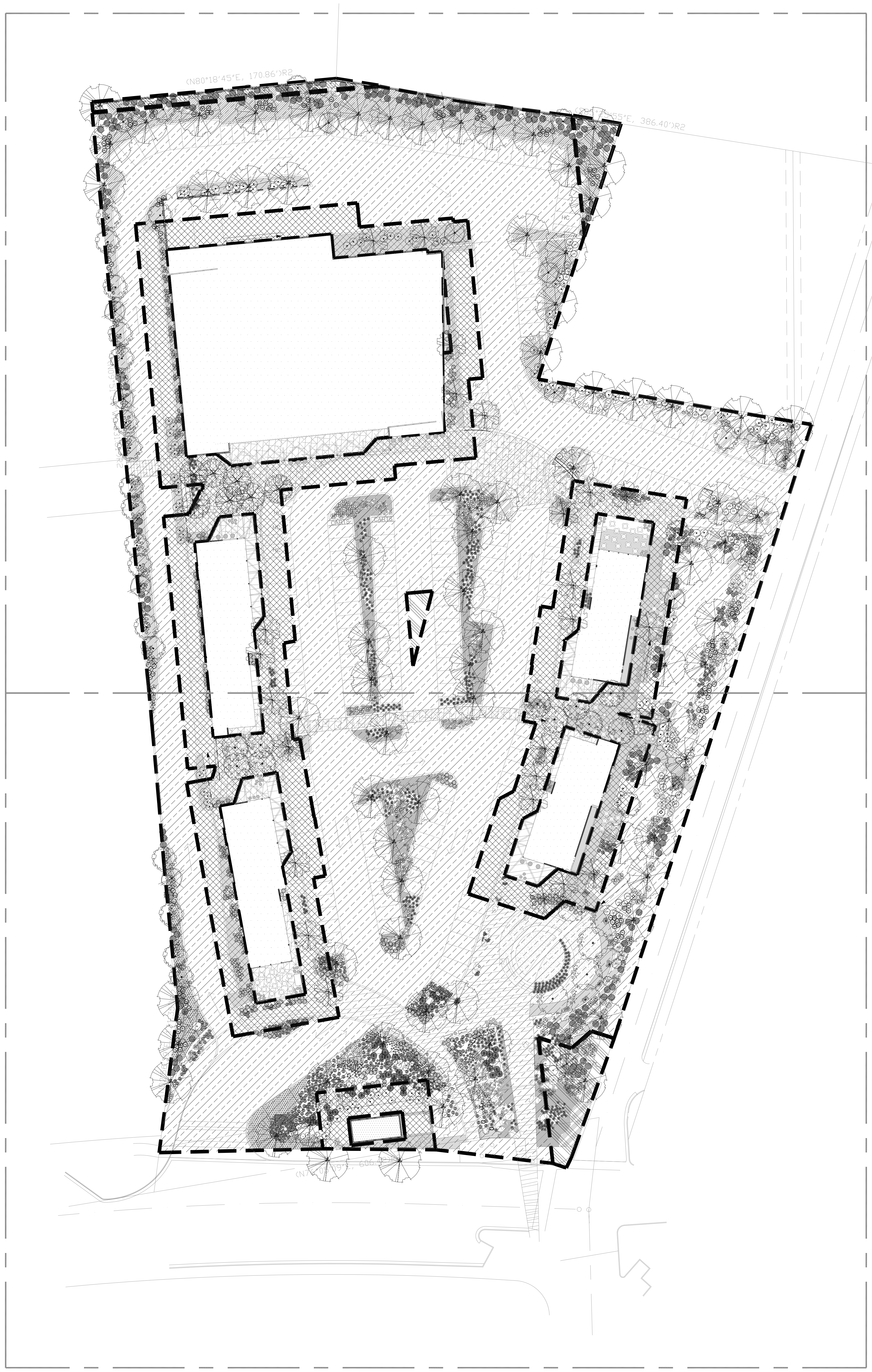

Fuel Modification Zones

▨ **Zone A**

▨ **Zone B**

▨ **Zone C**

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ACOUSTICS (Noise Impact Study)	Schaffer Acoustics, Inc. 869 Via de La Paz Ste. D Pacific Palisades, CA 90272 310. 459. 6463 p. Mark Schaffer, P.E.

Registration

KURT P. BUXTON
3250
Signature
Date
Expires 4-30-

Sheet Title

FUEL
MODIFICATION
ZONE PLAN

Date: July 10, 2010
Project No. 177079
Drawn By: DL
Checked By:
Scale: 1" = 20'-0"

Rev.	Date	Description
	05.05.10	Planning
	09.20.10	Planning Revision
	11.16.10	Planning Revision
	04.28.11	Planning Revision
△1	07.12.11	Planning Revision
△2	08.19.11	Planning Revision
	08.22.11	Planning Revision
	02.21.12	Planning Revision
	03.04.13	Revisions

Sheet No.

L4.0

NOT FOR CONSTRUCTION

SECTION 02920
SOIL PREPARATION AND MIXES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Subsoil Ripping of Planting Areas.

2. Amendment of Planting Area Soils.

3. Mixing and Placement of Plant Pit Backfill Soil Mixes.

4. Mixing and Placement of Soil Mixes.

B. Related Sections:

1. Section 02201, Topsoil Placement.

2. Section 02212, Planting Area Finish Grading.

3. Section 02810, Irrigation.

4. Section 02950, Plant Material.

5. Section 02970, Landscape Maintenance Period.

1.4 SUBMITTALS

A. Product Data:

1. Chemical Additives.

2. Sand.

3. Organic Compost.

4. Peat Moss.

5. Fertilizers.

B. Test Reports:

1. "Complete Standard Analysis" of site soils and imported soils indicating the following:

a. Half Saturation Percentage.

b. PPM dry soil of: NO3-N, NH4-N, PO4-P, K, Ca, Mg.

c. pH.

d. Sodium Absorption Ratio.

e. Salinity Boron.

f. Saturation Extract Values of: ECe, Ca-Me/1, Mg-Me/1, Na-Me/1, K-Me/1, B-PPM.

g. USDA sieve method classification.

h. USDA hydrometer classification.

i. Organic content.

j. Test laboratories' amendment recommendations.

k. Micronutrients.

l. Copy of the planting plan with each composite sample keyed by number to the area from which the composite sample was taken.

m. Define import soil source locations.

C. Manufacturer's Recommendations:

1. Pre-Plant Fertilizer Manufacturer's Amendment Recommendations.

1.5 QUALITY ASSURANCE

A. Requirements of Regulatory Agencies:

1. Meet requirements of applicable laws, codes, and regulations required by authorities having jurisdiction over Work.

2. Provide for inspections and permits required by federal, state and local authorities in furnishing, transporting, and installing materials.

1.6 SITE CONDITIONS

A. Environmental Requirements:

1. Do not work soil when moisture content is so great that excessive compaction will occur, nor when it is so dry that dust will form in the air or that clods will not break readily.

2. Apply water, if necessary, to bring soil to an optimum moisture content for tilling.

3. Do not work soil when muddy.

4. Do not apply chemicals if wind conditions will cause hazardous drift to people or property.

B. Existing Conditions:

1. Prior to Work commencement review locations of existing public underground utilities and structures with appropriate utility companies and clearly mark in field.

2. Prior to Work commencement review location of existing private underground utilities and structures with Owner and clearly mark in field.

3. Prior to Work commencement and after reviewing the Owner's record irrigation documents, review and clearly mark in field heads, valve boxes and other underground equipment, materials and structures.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS AND SUPPLIERS

A. Pre-Plant Fertilizer for On-Grade Planting Areas: Gro-Power, Inc., Chino, Calif.; (800) 473-1307, (909) 393-3844.

B. Other Commercial Fertilizers: Grace-Sierra, Milpitas, Calif.; (408) 263-8080, or accepted substitute.

C. Soil Testing Agency: Soil & Plant Laboratory; (714) 282-8777

D. Humate: Humate International, Inc. Jacksonville, Florida; (904) 783-6396.

E. Polymer: Complete Green, El Segundo, CA; (310) 640-6815.

2.2 MATERIALS

A. Soil for Plant Pit Backfill Mixes: Soil excavated from on-site plant pits.

B. Organic Compost:

1. Fully composted aerobic compost without presence of decomposition products.

2. Redwood and cedar products are not acceptable.

3. Ash content of not less than 8 percent and no more than 50 percent.

4. pH between 6 and 7.

5. Salt content shall be less than 10 millimho / cm @ 25 degrees (ECe less than 10) in a saturated paste extract.

6. Boron content of saturated extract <1.0 parts per million.

7. Silicon content (acid-insoluble ash) shall be less than 20 percent.

8. Calcium carbonate shall not be present.

9. Maximum particle size shall be .5 inch, 80% more shall pass a no. 4 screen.

C. Peat Moss: Canadian Sphagnum Peat.

D. Humate: Ag616.

E. Polymer: Soil Drain/P.A.M.

F. Potential Chemical Amendments Required by Accepted Amendment Programs and Backfill Mixes:

1. Ground Limestone: Agricultural limestone containing not less than 85 percent of total carbonate, ground to such fineness that 50 percent will pass No. I sieve and 90 percent will pass No. 20 sieve.

2. Dolomite Lime: Agricultural grade mineral soil conditioner containing 35-percent minimum magnesium carbonate and 49-percent minimum calcium carbonate, 100 percent passing #65 sieve.

3. Gypsum: Agricultural grade product containing 80-percent minimum calcium sulfate.

4. Iron Sulfate (Ferric or Ferrous): Supplied by a commercial fertilizer supplier, containing 20- to 30-percent iron and 35- to 40-percent sulfur.

5. Potassium Sulfate: Agricultural grade (0-0-50).

6. Single Super phosphate: Commercial product (0-20-0).

7. Treble Super phosphate: Commercial product (0-48-0).

8. Ammonium Nitrate: Commercial product (30-0-0).

9. Calcium Nitrate: Agricultural grade containing 15.5-percent nitrogen.

10. Urea Formaldehyde: Granular commercial product containing 38-percent nitrogen.

11. IBDU (Iso Butyldiene Diurea): Commercial product containing 31-percent nitrogen.

12. Soil Sulfur: Agricultural grade sulfur containing a minimum of 96-percent sulfur.

13. Iron Sequestrene: Geigy Iron Sequestrene 330 Fe.

14. Silicic Acid Calcium: Commercial grade.

G. Preplant Fertilizer:

1. 6-20-20.

2. Gro-Power Plus 5-3-1.

H. Sand: Clean washed sand.

I. Imported Loamy Sand for Soil Mixes:

1. General: Soil shall be of uniform quality and free of phytotoxic compounds.

2. Particle Size Analysis: 82% sand, 8% silt, 10% clay.

3. pH: Range 5.5 – 7.5.

4. EC: Less than 2.0 ds/m (USDA Circular No. 982).

5. SAR: Less than 6.0.

6. Contaminants: Free of debris, seeds or rhizomes of noxious weeds, herbicides, pesticides, heavy metals, biological toxins, excesses of fertilizer, component toxic to plants or humans, and less than 2-percent gravel.

7. Salts: The electrical conductivity of the soil shall not exceed 2.-0 decisemens per meter as determined by the saturated-soil test method described in USDA Circular No. 982. The sodium absorption ratio shall not exceed 6.0. Boron levels shall not exceed 1.0 ppm.

8. Boron: Less than 1.0 ppm.

9. Sodium: Less than 5.0 meq/1.

10. Chloride: Less than 5.0 meq/1.

J. Site Topsoil:

1. General: Soil shall be of uniform quality and free of phytotoxic compounds.

2. pH: Range 5.5 – 7.5.

3. EC: Less than 2.0 ds/m (USDA Circular No. 982).

4. SAR: Less than 6.0.

5. Contaminants: Free of debris, seeds or rhizomes of noxious weeds, herbicides, pesticides, heavy metals, biological toxins, excesses of fertilizer, component toxic to plants or humans, and less than 2-percent gravel.

6. Salts: The electrical conductivity of the soil shall not exceed 2.-0 decisemens per meter as determined by the saturated-soil test method described in USDA Circular No. 982. The sodium absorption ratio shall not exceed 6.0. Boron levels shall not exceed 1.0 ppm.

7. Boron: Less than 1.0 ppm.

8. Sodium: Less than 5.0 meq/1.

9. Chloride: Less than 5.0 meq/1.

2.3 MIXES

A. Composition of Plant Pit Backfill Mix for Trees and Shrubs at Existing Site Soils for pricing prior to test and recommendations

1. Content:

a. 6 parts by volume existing soil removed from excavated plant pit.

b. 4 parts by volume organic compost.

c. 2 pounds gypsum per cubic yard of mix.

d. 1-pound ureaform (38-0-0) per cubic yard of mix.

e. 1-pound humate per cubic yard of mix.

f. 1/3 pound of potassium sulfate (0-0-50) per cubic yard of mix.

g. ½-pound dry polymer per cubic yard of mix.

h. 1/3 pound of single super phosphate (0-20-0) per cubic yard of mix.

B. Plant Pit Backfill Mix for Trees and Shrubs for Actual Installation: The accepted backfill mix as determined by the Complete Standard Analysis.

C. Composition of Soil Mix Type A (for Turf)

1. Content:

a. Organic compost - 4cy/1000 sf

b. 200 pounds pre-plant fertilizer per 1,000 square feet.

c. 10 pounds iron sulfate per 1,000 square feet.

2. Mixing: Blend materials uniformly after placing organic compost - 4cy/1000 sf

D. Composition of Soil Mix Type A for Actual Installation: The accepted Soil Mix Type A as determined by Landscape Architect's assessment of the Complete Standard Analysis. Credit unused allowance to Owner.

PART 3 - EXECUTION

3.1 EXAMINATION

A. General: Examine site and verify that conditions are suitable to receive Work and that no defects or errors are present which would cause defective installation of products or cause latent defects in workmanship and function.

B. Underground Utilities and Structures: Verify that the locations of utilities, structures and other underground items have been clearly marked.

C. Notification of Unsuitable Conditions: Before proceeding with Work, notify Owner in writing of unsuitable conditions and conflicts.

3.2 PREPARATION

A. Protection of Existing Conditions:

1. Use every possible precaution to prevent damage to existing conditions to remain such as structures, utilities, plant materials and walks on or adjacent to the site of the Work.

2. Provide barricades, fences or other barriers to protect existing conditions to remain from damage during construction.

3. Do not store materials or equipment, permit burning, or operate or park equipment under the branches of existing plants to remain.

4. Submit written notification of damaged plants and structures to Owner

B. Surface Preparation:

1. Inspect soil surface for sticks, oils, chemicals, plaster, concrete, and other deleterious materials.

2. Do Work required to remove and dispose of the deleterious materials.

3.3 SOIL TESTS TO DETERMINE AMENDMENT PROGRAMS

A. Take two 1-pound composite samples from 2 depths for each 2,500 square feet of planting areas to be amended. Take samples for each type of planting area.

B. Collect small portions of soil from a 4-inch depth and 24-inch depth at 5 evenly scattered locations within each 2,500 square feet of planting area to form the 2 composite samples.

C. Keep the soil from each depth separate.

D. Number samples and key numbers to a reproducible copy of the planting plan outlining each 2,500 square feet area that each pair of composite samples represent.

E. Provide samples to Soil & Plant Laboratory for "Complete Standard Analysis" report and amendment recommendations.

F. At least 30 days prior to backfill mix or amendment Work, submit written "Complete Standard Analysis" report, including amendment recommendations, to Owner

3.4 SOIL TESTS FOR NEMATODES AND HERBICIDE

A. Parasitic Nematodes:

1. Test soils which have been used for agricultural purposes within the prior 12 months for parasitic nematodes.

2. Soil will be acceptable if the parasitic nematode population is less than 200 per 50 cubic centimeters of soil.

3. Do not artificially dry soil prior to testing.

4. Submit written test report to the Owner

B. Herbicide Contamination:

1. Perform a radish/rye grass growth trial on soils suspected of herbicide contamination.

2. Submit written test report to the Owner

3.5 INSTALLATION OF SOIL MIXES (SOIL MIX TYPE A)

A. Ripping of Compacted Areas: Where soil compaction has occurred on flat areas and slopes less than 3:1, cross-rip sub-soil to a depth of 12 inches prior to installing Soil Mixes incorporating amendment.

B. Installation of Soil Mix: Install accepted Soil Mixes to the depths shown on the Drawings.

3.6 AMENDMENT OF TURF SOILS

A. Ripping of Compacted Areas Outside of Existing Tree Drip Lines: Where soil compaction has occurred, cross-rip to a depth of 12 inches prior to incorporating amendments.

B. Cultivation of Planting Areas Outside of Existing Tree Drip Lines: Prior to incorporating any amendments, disk or roto-till planting areas with a tractor and pull behind off set disk and/or mounted roto-tiller. Disk or roto-till until soil surface is free of clods, stones and debris.

C. Cultivation Within Existing Tree Drip Lines:

1. Carefully hand cultivate within the drip lines of existing trees to remain.

2. Do not exceed 2 inches with depth of cultivation.

D. Application Rates for pricing Purposes Only:

1. 4-cubic yards organic compost per 1,000 square feet.

2. 200 pounds pre-plant fertilizer per 1,000 square feet.

3. 10 pounds iron sulfate per 1,000 square feet.

E. Application Rates for *actual* Amendment Work: Apply appropriate amendments at the rates recommended by the accepted amendment program based on the Complete Standard Analysis.

F. Incorporation of Amendments Outside of Existing Tree Drip Lines: Incorporate uniformly within top 6 inches of soil layer with a roto-tiller, or other accepted method.

G. Incorporation of Amendments Inside Existing Tree Drip Lines: Incorporate uniformly into upper 2 inches of soil with hand rake or manually operated garden cultivator, or other accepted method.

3.7 BACKFILL MIX INSTALLATION

B. Placement: Place mix carefully into pits avoiding damage or contamination of other Work.

C. Settlement Allowance: Place backfill mix to depth and elevation that allows for settlement.

3.8 FIELD QUALITY CONTROL

A. Quality Control for Imported Topsoil:

1. Soil Test to Verify Soil Fertility and Texture:

a. Take representative samples from at least 5 locations at the source.

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Project Name

Whole Foods In The Park
Malibu, CA 90265

Consultant

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Registration

KURT P. BUXTON
3250
Signature
Date
Expires 4-30-12

Sheet Title

SOIL PREPARATION SPECIFICATIONS

Date: July 10, 2010
Project No. 177079
Drawn By: DL
Checked By:
Scale: N/A

Rev.	Date	Description
	05.05.10	Planning
	09.20.10	Planning Revision
	11.16.10	Planning Revision
	04.28.11	Planning Revision
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	03.04.13	Revisions

Sheet No.

L5.0

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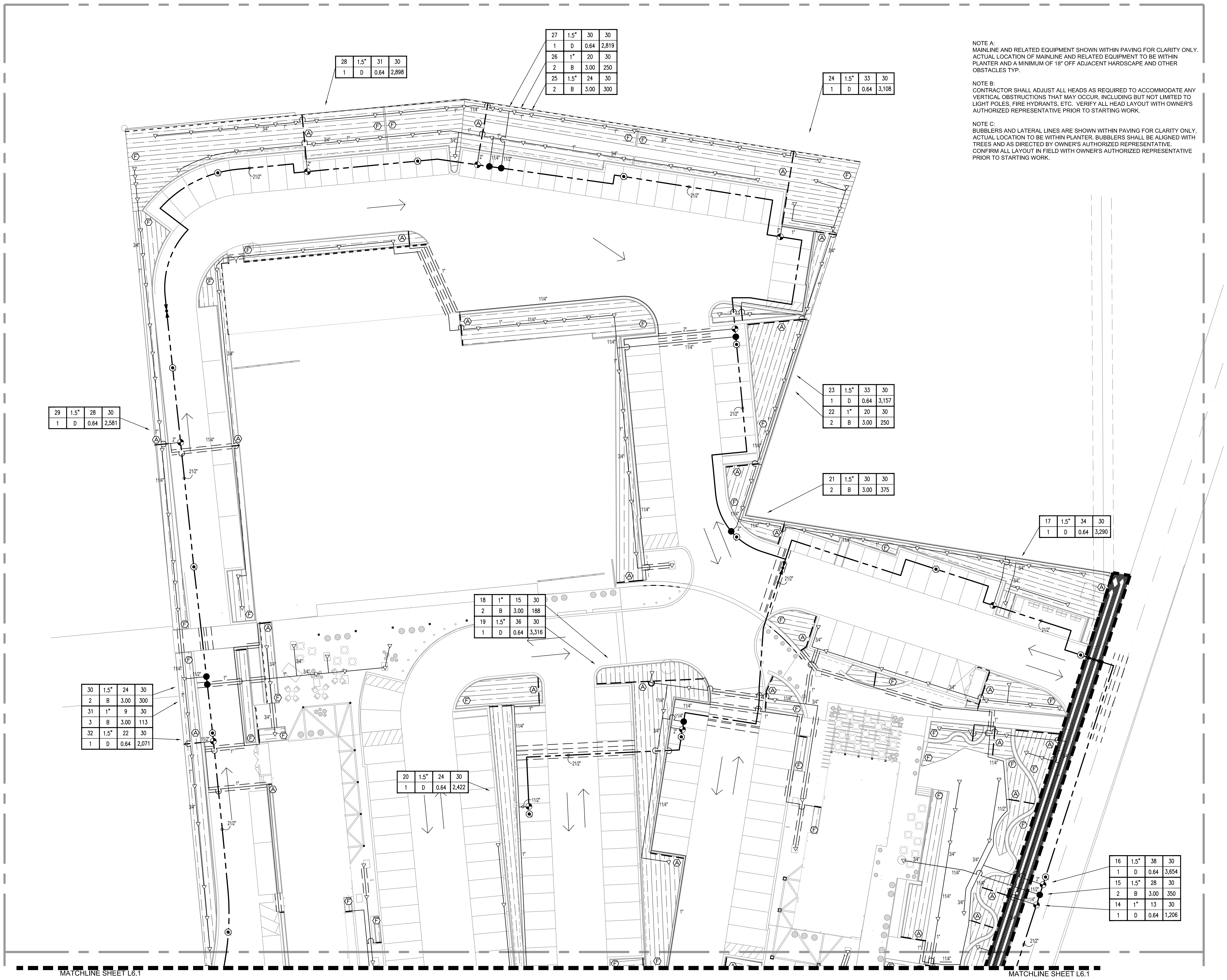
28 | 1.5" | 31 | 30
1 | D | 0.64 | 2,898
27 | 1.5" | 30 | 30
1 | D | 0.64 | 2,819
26 | 1" | 20 | 30
2 | B | 3.00 | 250
25 | 1.5" | 24 | 30
2 | B | 3.00 | 300
24 | 1.5" | 33 | 30
1 | D | 0.64 | 3,108
29 | 1.5" | 28 | 30
1 | D | 0.64 | 2,581
23 | 1.5" | 33 | 30
1 | D | 0.64 | 3,157
22 | 1" | 20 | 30
2 | B | 3.00 | 250
21 | 1.5" | 30 | 30
2 | B | 3.00 | 375
17 | 1.5" | 34 | 30
1 | D | 0.64 | 3,290
18 | 1" | 15 | 30
2 | B | 3.00 | 188
19 | 1.5" | 36 | 30
1 | D | 0.64 | 3,316
30 | 1.5" | 24 | 30
2 | B | 3.00 | 300
31 | 1" | 9 | 30
3 | B | 3.00 | 113
32 | 1.5" | 22 | 30
1 | D | 0.64 | 2,071
20 | 1.5" | 24 | 30
1 | D | 0.64 | 2,422
16 | 1.5" | 38 | 30
1 | D | 0.64 | 3,654
15 | 1.5" | 28 | 30
2 | B | 3.00 | 350
14 | 1" | 13 | 30
1 | D | 0.64 | 1,206
MATCHLINE SHEET L6.1
MATCHLINE SHEET L6.1

NOTE A:
MAINLINE AND RELATED EQUIPMENT SHOWN WITHIN PAVING FOR CLARITY ONLY. ACTUAL LOCATION OF MAINLINE AND RELATED EQUIPMENT TO BE WITHIN PLANTER AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES TYP.

NOTE B:
CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, ETC. VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE C:
BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN PAVING FOR CLARITY ONLY, ACTUAL LOCATION TO BE WITHIN PLANTER. BUBBLERS SHALL BE ALIGNED WITH TREES AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

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Project Name

Whole Foods In The Park
Malibu, CA 90265

Consultant

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Expires 4-30

Sheet Title

IRRIGATION PLAN

Date: July 10, 2010
Project No. 177079
Drawn By: DL
Checked By:
Scale: 1" = 20'-0"

Rev.	Date	Description
	05.05.10	Planning
	09.20.10	Planning Revision
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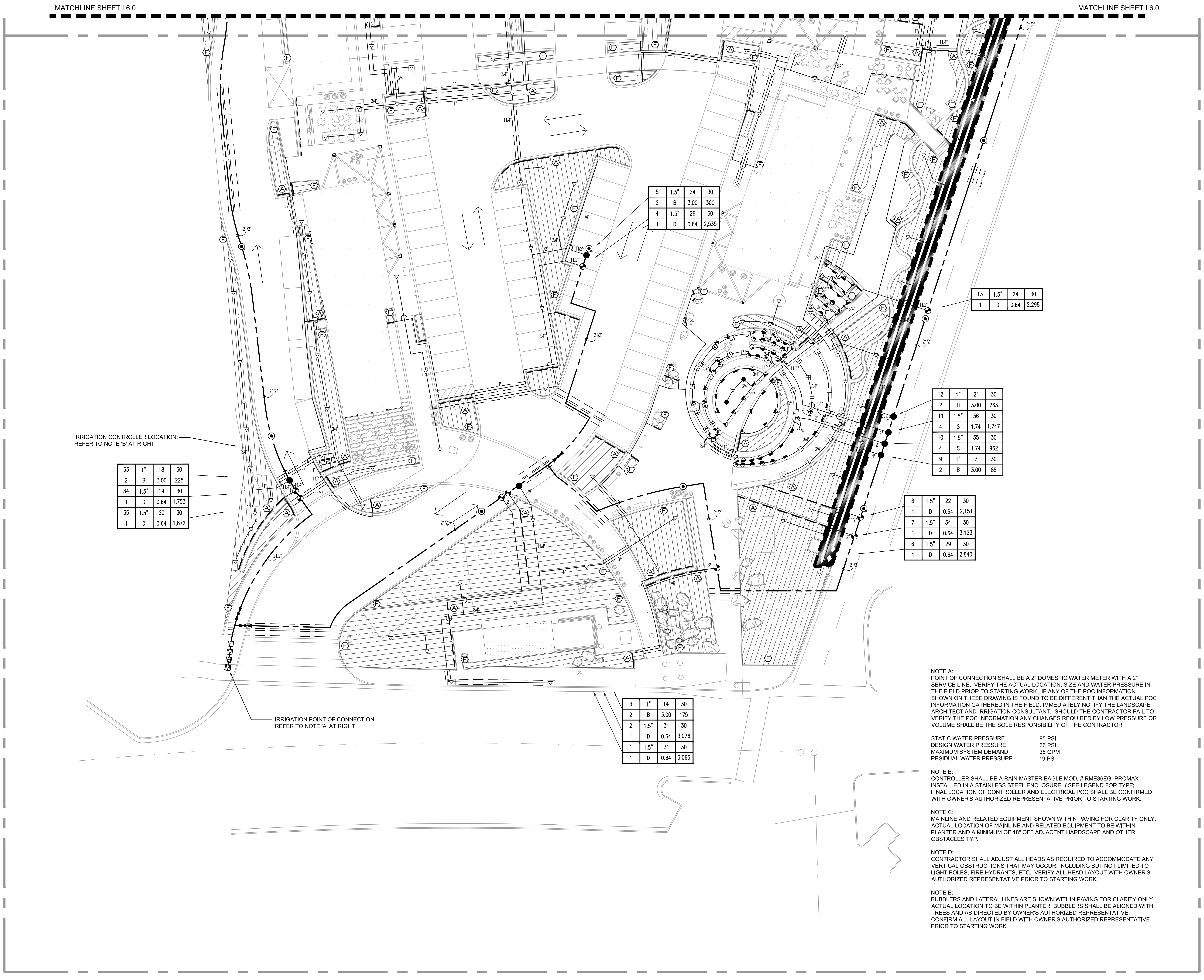
MATCHLINE SHEET L6.0
MATCHLINE SHEET L6.0
IRRIGATION CONTROLLER LOCATION; REFER TO NOTE 'B' AT RIGHT
IRRIGATION POINT OF CONNECTION; REFER TO NOTE 'A' AT RIGHT
21/2"
11/2"
11/4"
2"
1"
3/4"
A
F

5	1.5"	24	30
2	B	3.00	300
4	1.5"	26	30
1	D	0.64	2,535

13	1.5"	24	30
1	D	0.64	2,298

12	1"	21	30
2	B	3.00	263
11	1.5"	36	30
4	S	1.74	1,747
10	1.5"	35	30
4	S	1.74	962
9	1"	7	30
2	B	3.00	88

33	1"	18	30
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34	1.5"	19	30
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35	1.5"	20	30
1	D	0.64	1,872

8	1.5"	22	30
1	D	0.64	2,151
7	1.5"	34	30
1	D	0.64	3,123
6	1.5"	29	30
1	D	0.64	2,840

3	1"	14	30
2	B	3.00	175
2	1.5"	31	30
1	D	0.64	3,076
1	1.5"	31	30
1	D	0.64	3,065

NOTE A:
POINT OF CONNECTION SHALL BE A 2" DOMESTIC WATER METER WITH A 2" SERVICE LINE. VERIFY THE ACTUAL LOCATION, SIZE AND WATER PRESSURE IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT. SHOULD THE CONTRACTOR FAIL TO VERIFY THE POC INFORMATION ANY CHANGES REQUIRED BY LOW PRESSURE OR VOLUME SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

STATIC WATER PRESSURE	85 PSI
DESIGN WATER PRESSURE	66 PSI
MAXIMUM SYSTEM DEMAND	38 GPM
RESIDUAL WATER PRESSURE	19 PSI

NOTE B:
CONTROLLER SHALL BE A RAIN MASTER EAGLE MOD. # RME36EGi-PROMAX INSTALLED IN A STAINLESS STEEL ENCLOSURE (SEE LEGEND FOR TYPE) . FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE C:
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NOTE D:
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NOTE E:
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Malibu, CA 90265

Consultant

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Registration

KURT P. BUXTON
3250
Signature
Date
Expires 4-30

Sheet Title

IRRIGATION PLAN

Date: July 10, 2010
Project No. 177079
Drawn By: DL
Checked By:
Scale: 1" = 20'-0"

Rev.	Date	Description
	05.05.10	Planning
	09.20.10	Planning Revision
	11.16.10	Planning Revision
	04.28.11	Planning Revision
1	07.12.11	Planning Revision
2	08.19.11	Planning Revision
	08.22.11	Planning Revision
	02.21.12	Planning Revision
	03.04.13	Revisions

Sheet No.

L6.1

NOT FOR CONSTRUCTION

IRRIGATION NOTES

1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
8. ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
9. CONTRACTOR IS TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
10. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
11. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
12. ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
13. CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
14. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.

WATER PRESSURE CALCULATIONS

WATER METER NUMBER	1	WATER METER SIZE	2"
HYDRAULIC GRADE LINE (FT)		WATER METER ELEVATION (FT)	
ELEVATION DIFFERENCE (FT)	0	STATIC PRESSURE (PSI)	85
REMOTE CONTROL VALVE #	16	REMOTE CONTROL VALVE SIZE	11/2"
R.C.V. DEMAND (GPM)	38	TOTAL DEMAND (GPM)	38
HIGHEST HEAD SERVED (FT)	0	STATIC PRESSURE AT HIGHEST HEAD	0

SIZE	DESCRIPTION	FLOW	#	PSI LOSS	
2"	SERVICE LINE (50 FT OF TYPE K COPPER)	38	1	0.8	PSI
2"	WATER METER (DISC TYPE)	38	2	1.2	PSI
2"	BACKFLOW PREVENTER	38	3	13.0	PSI
2"	FILTRATION (WYE FILTER)	38	4	0.3	PSI
2"	PRESSURE REGULATOR (WILKINS 500HLR)	38	5	0.0	PSI
2"	BFD ASSEMBLY PIPING (BRASS W/ 4 ELLS)	38	6	1.0	PSI
11/2"	MASTER CONTROL VALVE	38	7	1.6	PSI
11/2"	FLOW SENSOR	38	8	1.0	PSI
21/2"	ISOLATION VALVES (BALL TYPE)	38	9	2.0	PSI
21/2"	1620/800 FEET OF LOOPED MAINLINE: CL. 315 PVC	38	10	8.3	PSI
	FEET OF MAINLINE	N/A	11	0.0	PSI
21/2"	5 - 90 DEGREE ELBOWS	38	12	0.4	PSI
11/2"	REMOTE CONTROL VALVE	38	13	1.7	PSI
10%	LATERAL LINE LOSS	N/A	14	3.0	PSI
20%	FITTING LOSS (IN ADDITION TO ELBOWS SHOWN)	N/A	15	1.7	PSI
0	ELEVATION CHANGE (P.O.C. TO HIGHEST HEAD)	N/A	16	0.0	PSI
TOTAL SYSTEM PRESSURE LOSS (SUM OF #1 THRU #16)			17	35.9	PSI
PRESSURE REQUIRED AT HEAD			18	30.0	PSI
TOTAL PRESSURE REQUIRED (SUM OF #17 AND #18)			19	65.9	PSI
STATIC WATER PRESSURE (FROM ABOVE)			20	85.0	PSI
RESIDUAL PRESSURE (SUBTRACT #19 FROM #20)			21	19.1	PSI
SET PRV OR MCV AT (#20 PLUS 10 PSI)			22	N/A	PSI
PRESSURE BOOST, IF REQUIRED (SET TO ACHIEVE 30 PSI RESIDUAL)			23	N/A	PSI

IRRIGATION WATER USE ANALYSIS

LANDSCAPE IRRIGATION WATER ANALYSIS

PROJECT: Whole Foods in the Park
Malibu, CA 90265

ETo: = 44.2
HA = 81,121
SLA = 0
LA = 81,121

MAXIMUM APPLIED WATER ALLOWANCE:
TOTAL MAWA=(Eto)(0.62)[(0.7 x LA) + (0.3 x SLA)] **1,556,128 Gal./Yr**

TOTAL ESTIMATED APPLIED WATER USED:
TOTAL EAWU=(Eto x 0.62) x [(HA x PF)/IE) + SLA)] **775,924 Gal./Yr**

ESTIMATED APPLIED WATER USED:
$$EAWU= (ETo)(0.62) \times \frac{[(HA \times PF)]}{IE}$$

HYDROZONE #1: (Green walls with drip)
$$\frac{44.2 \times 0.62 \times 22{,}000 \times 0.3}{0.9} =$$ **200,963 Gal./Yr**

HYDROZONE #2: (Medium water use trees with bubblers)
$$\frac{44.2 \times 0.62 \times 3{,}177 \times 0.5}{0.8} =$$ **54,414 Gal./Yr**

HYDROZONE #3: (Low/Very Low water use Shrub Area with Drip)
$$\frac{44.2 \times 0.62 \times 53{,}235 \times 0.3}{0.9} =$$ **486,284 Gal./Yr**

HYDROZONE #4: (Buffalo Grass irrigated with Spray)
$$\frac{44.2 \times 0.62 \times 2{,}709 \times 0.3}{0.65} =$$ **34,263 Gal./Yr**

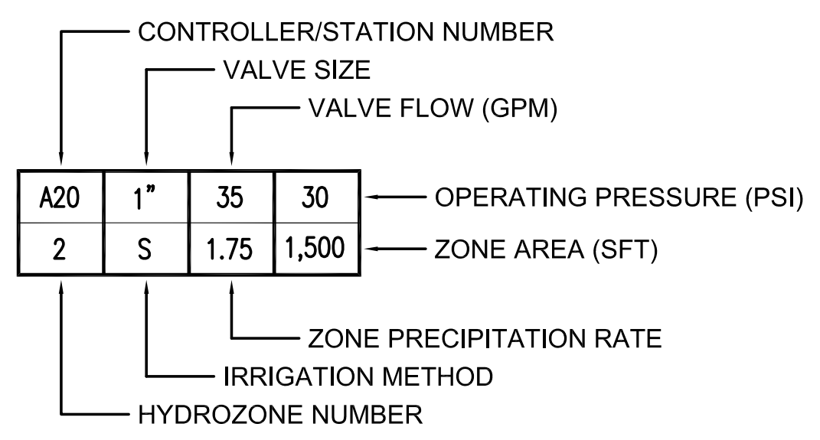
MAXIMUM APPLIED WATER ALLOWANCE: **1,556,128 Gal./Yr**

TOTAL ESTIMATED APPLIED WATER USE: **775,924 Gal./Yr**

HYDRO ZONE	Plant Type	IRRIGATIO METHOD	PLANT FACTOR	HYDROZONE AREA	PERCENTAGE OF TOTAL LS AREA	IRRIGATION EFFICIENCY (IE)	Water Use Gallons/Year	
1	Shrubs & Groundcover	D	0.3	3,065	3.78%	0.9	27,998	Gal/Yr.
2	Shrubs & Groundcover	D	0.3	3,076	3.79%	0.9	28,098	Gal/Yr.
3	Trees	B	0.5	175	0.22%	0.8	2,997	Gal/Yr.
4	Shrubs & Groundcover	D	0.3	2,535	3.12%	0.9	23,156	Gal/Yr.
5	Trees	B	0.5	300	0.37%	0.8	5,138	Gal/Yr.
6	Shrubs & Groundcover	D	0.3	2,840	3.50%	0.9	25,942	Gal/Yr.
7	Shrubs & Groundcover	D	0.3	3,123	3.85%	0.9	28,528	Gal/Yr.
8	Shrubs & Groundcover	D	0.3	2,151	2.65%	0.9	19,649	Gal/Yr.
9	Trees	B	0.5	88	0.11%	0.8	1,507	Gal/Yr.
10	Ornamental Grass	S	0.3	962	1.19%	0.65	12,167	Gal/Yr.
11	Ornamental Grass	S	0.3	1,747	2.15%	0.65	22,096	Gal/Yr.
12	Trees	B	0.5	263	0.32%	0.8	4,505	Gal/Yr.
13	Shrubs & Groundcover	D	0.3	2,298	2.83%	0.9	20,991	Gal/Yr.
14	Shrubs & Groundcover	D	0.3	1,206	1.49%	0.9	11,016	Gal/Yr.
15	Trees	B	0.5	350	0.43%	0.8	5,995	Gal/Yr.
16	Shrubs & Groundcover	D	0.3	3,654	4.50%	0.9	33,378	Gal/Yr.
17	Shrubs & Groundcover	D	0.3	3,290	4.06%	0.9	30,053	Gal/Yr.
18	Trees	B	0.5	188	0.23%	0.8	3,220	Gal/Yr.
19	Shrubs & Groundcover	D	0.3	3,316	4.09%	0.9	30,291	Gal/Yr.
20	Shrubs & Groundcover	D	0.3	2,422	2.99%	0.9	22,124	Gal/Yr.
21	Trees	B	0.5	375	0.46%	0.8	6,423	Gal/Yr.
22	Trees	B	0.5	250	0.31%	0.8	4,282	Gal/Yr.
23	Shrubs & Groundcover	D	0.3	3,157	3.89%	0.9	28,838	Gal/Yr.
24	Shrubs & Groundcover	D	0.3	3,108	3.83%	0.9	28,391	Gal/Yr.
25	Trees	B	0.5	300	0.37%	0.8	5,138	Gal/Yr.
26	Trees	B	0.5	250	0.31%	0.8	4,282	Gal/Yr.
27	Shrubs & Groundcover	D	0.3	2,819	3.48%	0.9	25,751	Gal/Yr.
28	Shrubs & Groundcover	D	0.3	2,898	3.57%	0.9	26,472	Gal/Yr.
29	Shrubs & Groundcover	D	0.3	2,581	3.18%	0.9	23,577	Gal/Yr.
30	Trees	B	0.5	300	0.37%	0.8	5,138	Gal/Yr.
31	Trees	B	0.5	113	0.14%	0.8	1,935	Gal/Yr.
32	Shrubs & Groundcover	D	0.3	2,071	2.55%	0.9	18,918	Gal/Yr.
33	Trees	B	0.5	225	0.28%	0.8	3,854	Gal/Yr.
34	Shrubs & Groundcover	D	0.3	1,753	2.16%	0.9	16,013	Gal/Yr.
35	Shrubs & Groundcover	D	0.3	1,872	2.31%	0.9	17,100	Gal/Yr.
36	Green Wall	D	0.3	22,000	27.12%	0.9	200,963	Gal/Yr.
	TOTAL			**81,121**	100.00%		**775,924**	**Gal/Yr.**

IRRIGATION MATERIAL LEGEND

SYMBOL Q	T	H	F	MANUFACT.	MODEL NO. / DESCRIPTION	GPM	PSI	RADIUS	PR (TRI.)	DETAIL
⊾		⊥		HUNTER	INST-06-CV POP-UP TURF HEAD W/ 5Q/5H NOZZLES	.12, .23	30	5 FT	2.05 IN./HR.	A
⬠	⬠	⬟	⬟	HUNTER	INST-06-CV POP-UP TURF HEAD W/ 8Q/8T/8H/8F NOZZLES	.24, .32, .47, .97	30	8 FT	1.69 IN./HR.	A
◭	▷	▼	▽	HUNTER	INST-06-CV POP-UP TURF HEAD W/ 10Q/10T/10H/10F NOZZLES	.42, .57, .88, 1.59	30	10 FT	1.77 IN./HR.	A
☐	☐	☐	⊞	HUNTER	INST-06-CV POP-UP TURF HEAD W/ 12Q/12T/12H/12F NOZZLES	.67, .89, 1.30, 2.70	30	12 FT	2.09 IN./HR.	A
◳	◳	⬒	■	HUNTER	INST-06-CV POP-UP TURF HEAD W/ 15Q/15T/15H/15F NOZZLES	.97, 1.30, 1.86, 3.75	30	15 FT	1.85 IN./HR.	A
		⊟	◩	HUNTER	INST-06-CV-LCS-515/RCS-515/SS-530 POP-UP TURF HEAD	.65, .65, 1.30	30	4X15 FT 4X30 FT	2.41 IN./HR.	A
			▽	HUNTER	INST-06-CV-PCN-50 POP-UP BUBBLER HEAD, EACH SYMBOL REPRESENTS TWO BUBBLERS PER TREE, PLACE BUBBLERS AT EDGE OF ROOTBALL ON OPPOSITE SIDES OF TREE TYPICAL.	.50 (1.0)	30	N/A	N/A	A
			M	P.O.C.	2" DOMESTIC METER WITH 2" SERVICE LINE, VERIFY SIZE, LOCATION AND STATIC WATER PRESSURE IN FIELD					N/A
			B	WILKINS	975XLS, 2" R/P BACKFLOW PREVENTION DEVICE WITH WYE STRAINER					B
NO SYMBOL				V.I.T.	STRONG BOX SBBC-45SS STAINLESS STEEL "SMOOTH TOUCH" BACKFLOW DEVICE ENCLOSURE					B
			V	SUPERIOR	MODEL 3200 11/2" NORMALLY CLOSED, BRASS MASTER CONTROL VALVE					C
			F	RAIN MASTER	FS-150 FLOW SENSOR, INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND WIRE TO CONTROLLER WITH EV-CAB-SEN					D
			⋈	LASCO	SLO-CLOSE SCH. 80 PVC TRUE-UNION BALL VALVE WITH SOLVENT WELD CONNECTIONS, LINE SIZE					E
			◉	RAIN BIRD	33 DLRC (3/4") QUICK COUPLER VALVE, INSTALL WITHIN 10" ROUND VALVE BOX					F
			●	HUNTER	ICV-1X1G-AS (1", 11/2") SERIES PRESSURE REGULATED, PLASTIC REMOTE CONTROL VALVE, SIZE AS SHOWN					G
			◑	HUNTER	ICV-1X1G-FS (1", 11/2") SERIES DRIP REMOTE CONTROL VALVE ASSEMBLY, SIZE AS SHOWN, INSTALL AG PRODUCTS 1" #4E-1AN-150, 1" MPT W/ MHT FLUSH & CAP 150 MESH WYE FILTER AND SENNINGER PRESSURE REGULATOR PMR-40MF FOR DEMANDS LESS THAN 18 GPM, AG PRODUCTS 11/2" SIZE #4E-11/2-150, 11/2" MPT W/ MPT FLUSH AND BALL VALVE, 150 MESH WYE FILTER AND SENNINGER PR-40HF PRESSURE REGULATOR FOR DEMANDS GREATER THAN 18 GPM. INSTALL BOTH ON THE DOWNSTREAM SIDE OF EACH DRIP RCV					H
			C	RAIN MASTER	EGP48-PROMAX EAGLE CONTROLLER WITH INTERNET COMMUNICATIONS CARD (i CENTRAL) AND PERMANENT MOUNTED REMOTE RECEIVER AND TRANSMISSION KIT, SIZE AS SHOWN, INSTALLED WITHIN STAINLESS STEEL ENCLOSURE. (SEE BELOW FOR TYPE)					I,J
NO SYMBOL				V.I.T.	SB-16SS STRONGBOX STAINLESS STEEL TOP-ENTRY CONTROLLER ENCLOSURE WITH CSA SUB-ASSEMBLY, RGVRSS AND QP-16					I
			R	HUNTER	MINI-CLIK RAIN SENSOR, MOUNT TO REAR OF ENCLOSURE AND WIRE TO CONTROLLER					I
			E	N/A	120 VOLT ELECTRICAL POWER, PROVIDED BY ELECTRICIAN, VERIFY ACTUAL LOCATION IN FIELD					N/A
▤				TORO	RGP-2-12 DL2000 DRIP TUBING W/ .5 GPH EMITTERS 12" ON CENTER, INSTALL TUBING ROWS A MAXIMUM OF 16" APART IN SHRUB AREAS. ALL TUBING SHALL BE INSTALLED 4" BELOW FINISHED SOIL GRADE W/ 9" WIRE STAKES FIVE (5) FEET ON CENTER; VERIFY THE LAYOUT AND SPACING IN THE FIELD PRIOR TO STARTING WORK					K,L,M
— — — — —				TORO	PVC HEADER CONNECTION TO DRIP TUBING WITH "LOC-EZE" FITTINGS AND PVC TEE OR ELL FITTINGS					K,L,M
NO SYMBOL				TORO	ALL CONNECTIONS BETWEEN DRIP TUBING SHALL BE MADE USING "LOC-EZE" FITTINGS					K,L,M
			F	TORO	PROVIDE A FCH-H-FIPT AUTOMATIC FLUSH VALVE AT END/MIDDLE OF DRIPLINE 3/4" PCV FLUSH MANIFOLD LINE, INSTALL FLUSH VALVE INSIDE A SEPERATE VALVE BOX, ONE AT THE END OF TUBING RUNS IN EACH DIRECTION. INSTALL MIN. ONE FLUSH VALVE PER 1000' OF TUBING IN EACH DIRECTION ON DRIPLINE FLUSH MANIFOLD. INSTALL 18" FROM PAVING. INSTALL ALL FLUSH EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.					M,N
			A	TORO	YD-500-34 AIR/VACUUM RELIEF VALVE INSTALLED WITH A FT-050 CONBINATION TEE AND A 3/4" X 1/2" REDUCER BUSHING, INSTALL AIR RELIEF ASSEMBLY INSIDE A 6" ROUND VALVE BOX AT THE HIGH POINT OF EACH PLANTER, MIN. 1 ARV PER 500' OF DRIPLINE. USING AIR RELIEF LATERAL, CONNECT AIR RELIEF VALVE TO ALL DRIPLINE LATERALS WITHIN THE ELEVATED AREA. MULTIPLE ARV'S SHALL BE REQUIRED PER RCV WITHIN UNDULATING AREAS, VERIFY QUANTITY PRIOR TO STARTING WORK, INSTALL VALVE BOX 18" FROM PAVING AND AT HIGH POINTS OF PLANTER AREA. INSTALL ALL AIR VACUUM RELIEF EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.					M,O
————				AS APPROVED	PVC PIPE 3/4" - 2" SCH. 40 AS LATERAL LINES 12" BELOW GRADE					P
—— - - ——				AS APPROVED	PVC PIPE 21/2" CL. 315 SOLVENT WELD AS MAINLINES 18" BELOW GRADE					P
= = = = =				AS APPROVED	PVC PIPE SCH. 40 AS SLEEVING, TWICE THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED PLACE BELOW ALL PAVING, HARDSCAPE ETC. AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE.					Q
NO SYMBOL				AS APPROVED	IRRIGATION CONTROL WIRE #14UF AWG DIRECT BURIAL (U.L. APPROVED)					P,Q,R
NO SYMBOL				3M	DBY-6 DIRECT BURIAL WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE CONNECTIONS (U.L. APPROVED)					R
NO SYMBOL				K.B.I.	KSC-XXX-S SWING CHECK VALVE, LINE SIZE, 1 DOWNSTREAM OF EACH RCV WHEN RCV IS LOWER THAN THE SPRINKLERS					N/A
NO SYMBOL				K.B.I.	KC-XXX-S SPRING CHECK VALVE, LINE SIZE, 1 DOWNSTREAM OF EACH RCV IMMEDIATELY ABOVE FIRST LATERAL LINE TEE, WHEN RCV IS HIGHER THAN THE SPRINKLERS					N/A
NO SYMBOL				CARSON	VALVE BOXES, SIZE PER EQUIPMENT LEGEND, WITH T-COVER LIDS AND CAPTIVE BOLT AND LOC-KIT. FOR ROUND FLUSH VALES AND AIR RELIEF VALVES USE MODEL 708, 10" ROUND SHALL BE MODEL 910, 12" STANDARD RECT. SHALL BE MODEL 1419, 12" JUMBO RECT. SHALL BE MODEL 1220, SUPER JUMBO SHALL BE MODEL 1324, AND SUPER JUMBO XL SHALL BE MODEL 1730. VALVE BOXES SHALL HAVE GREEN HDPE BODY AND GREEN LIDS IN TURF, GREEN LIDS IN SHRUB BEDS, AND TAN LIDS IN ROCK MULCH. FOR USE IN NON-VEHICULAR TRAFFIC SITUATIONS ONLY. DO NOT INSTALL IN CONCRETE OR ASPHALT.					N/A



IRR METHOD	IRRIGATION METHOD DESCRIPTION
B	POP-UP BUBBLER HEADS
D	DRIP IRRIGATION
S	POP-UP SPRAY IRRIGATION

IRRIGATION CONTROLLER RUN TIMES

POC or Controller				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total / Avg.
A	**ETo / Month (Inches):**			1.80	2.20	3.30	4.50	4.70	5.00	5.40	5.40	3.90	3.40	2.40	2.20	**44.20**
	ETo / Day (Inches):			0.06	0.08	0.11	0.15	0.15	0.17	0.17	0.17	0.13	0.11	0.08	0.07	**0.12**
	Irrigation Days / Week:			2	3	4	5	5	6	6	6	5	4	3	3	
Plant / Irrig. Type	**AKc**	**Pr Rate**	**IE**	**JAN**	**FEB**	**MAR**	**APR**	**MAY**	**JUN**	**JUL**	**AUG**	**SEP**	**OCT**	**NOV**	**DEC**	
Green Walls	0.40	0.64	0.90	8.5	7.6	7.8	8.8	8.8	8.1	8.5	8.5	7.6	8.0	7.8	6.9	Min./Day/Zone
Drip	**Number of Zones:**		8	**67.7**	**61.1**	**62.1**	**70.0**	**70.8**	**64.8**	**67.7**	**67.7**	**60.7**	**64.0**	**62.2**	**55.2**	**Total Min./Day**
Buffalo Grass	0.30	1.74	0.65	3.2	2.9	3.0	3.3	3.4	3.1	3.2	3.2	2.9	3.1	3.0	2.6	Min./Day/Zone
Spray	**Number of Zones:**		2	**6.5**	**5.8**	**5.9**	**6.7**	**6.8**	**6.2**	**6.5**	**6.5**	**5.8**	**6.1**	**5.9**	**5.3**	**Total Min./Day**
Tree	0.80	3.00	0.90	3.6	3.3	3.3	3.7	3.8	3.5	3.6	3.6	3.2	3.4	3.3	2.9	Min./Day/Zone
Bubbler	**Number of Zones:**		13	**47.0**	**42.4**	**43.1**	**48.5**	**49.1**	**44.9**	**47.0**	**47.0**	**42.1**	**44.4**	**43.1**	**38.3**	**Total Min./Day**
Shrubs	0.40	0.64	0.90	8.5	7.6	7.8	8.8	8.8	8.1	8.5	8.5	7.6	8.0	7.8	6.9	Min./Day/Zone
Drip	**Number of Zones:**		20	**169.4**	**152.8**	**155.2**	**175.0**	**176.9**	**162.0**	**169.4**	**169.4**	**151.7**	**159.9**	**155.6**	**138.0**	**Total Min./Day**
Total Number of Zones:			**43**	291	262	266	300	303	278	291	291	260	274	267	237	Total Min./Day
Total Controller Run Time in Hours:				**4.84**	**4.37**	**4.44**	**5.00**	**5.06**	**4.63**	**4.84**	**4.84**	**4.34**	**4.57**	**4.45**	**3.95**	**Total Hrs./Day**
				JAN	**FEB**	**MAR**	**APR**	**MAY**	**JUN**	**JUL**	**AUG**	**SEP**	**OCT**	**NOV**	**DEC**	

ValleyCrest
Design-Build
24151 Ventura Boulevard
Calabasas, CA 91302
818 737 3169 ph
818 225 2338 fax
www.valleycrest.com

Project Name

Whole Foods In The Park
Malibu, CA 90265

Consultant

PROJECT COORDINATOR	Marny Randall 909 Euclid St. #6 Santa Monica CA 90403 310. 395. 2615 p.
ARCHITECTS	Goldman Firth Rossi Architects 24955 Pacific Coast Highway Suite A202 Malibu, CA 90265 310.456.1831 p. 310.456.7690 f.
SURVEYOR	M & M & Co. 16145 Roscoe Blvd. North Hills CA 91343 818. 891. 9100 p. 818. 891. 9115 f.
CIVIL ENGINEER	P.C.C.E. Inc. 23801 Calabasas Rd. #1020 Calabasas CA 91301 818. 568. 5251 p. 818. 591. 8639 f.
LANDSCAPE ARCHITECT	ValleyCrest 24151 Ventura Blvd. Calabasas CA 91302 818. 737. 3169 p. 818. 225. 2338 f. www.valleycrest.com
LIGHTING	LightVision 1213 S. Ogden Drive Los Angeles CA 90019 323. 932. 0700 p. 323. 571. 0940
SOILS & GEOLOGY	GeoConcepts, Inc. 14428 Hamlin St. #200 Van Nuys CA 91401 818. 994. 8895 p. 818. 225. 2338 f. www.GeoConceptsinc.com
ARCHEOLOGY	H.E.A.R.T. 8701 Lava Place West Hills CA 91304 818. 340. 6676 p. 818. 340. 6676 f.
BIOLOGY	Rachel Tierney P.O. Box 1113 Santa Barbara CA 93102 805. 957. 1100 p.
TRAFFIC STUDY	Overland Traffic Consultants, Inc. 27201 Turney Rd,. #206 Santa Clarita CA 91355 661. 799. 8423 p. 661. 799. 8456 f.
ACOUSTICS (Noise Impact Study)	Schaffer Acoustics, Inc. 869 Via de La Paz Ste. D Pacific Palisades, CA 90272 310. 459. 6463 p. Mark Schaffer, P.E.

Registration

KURT P. BUXTON
3250
Signature
Date
Expires 4–30–12

Sheet Title

IRRIGATION
LEGEND AND
NOTES

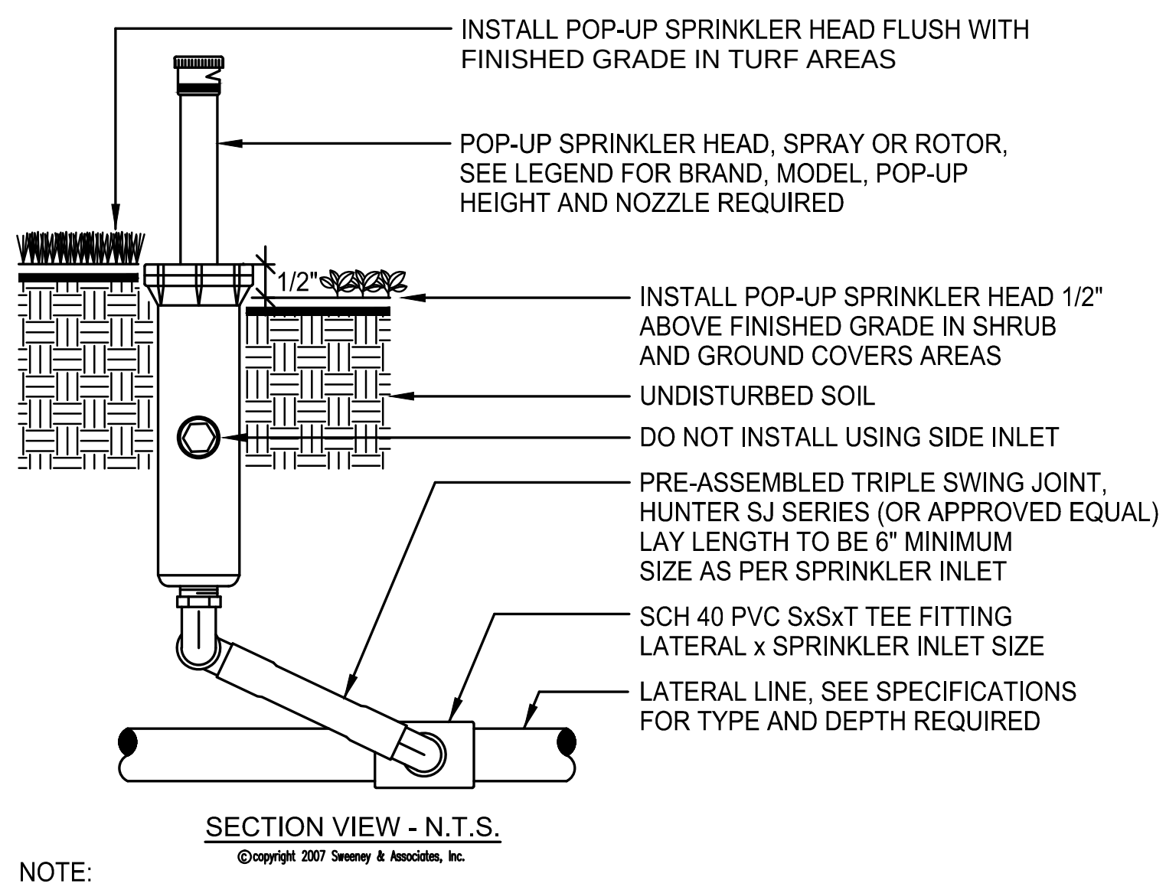
Date: July 10, 2010
Project No. 177079
Drawn By: DL
Checked By:
Scale: N.T.S.

Rev.	Date	Description
	05.05.10	Planning
	09.20.10	Planning Revision
	11.16.10	Planning Revision
	04.28.11	Planning Revision
1	07.12.11	Planning Revision
2	08.19.11	Planning Revision
	08.22.11	Planning Revision
	02.21.12	Planning Revision
	03.04.13	Revisions
	04.08.13	Revisions

Sheet No.

L6.2

NOT FOR CONSTRUCTION


INSTALL POP-UP SPRINKLER HEAD FLUSH WITH FINISHED GRADE IN TURF AREAS
POP-UP SPRINKLER HEAD, SPRAY OR ROTOR, SEE LEGEND FOR BRAND, MODEL, POP-UP HEIGHT AND NOZZLE REQUIRED
1/2"
INSTALL POP-UP SPRINKLER HEAD 1/2" ABOVE FINISHED GRADE IN SHRUB AND GROUND COVERS AREAS
UNDISTURBED SOIL
DO NOT INSTALL USING SIDE INLET
PRE-ASSEMBLED TRIPLE SWING JOINT, HUNTER SJ SERIES (OR APPROVED EQUAL) LAY LENGTH TO BE 6" MINIMUM SIZE AS PER SPRINKLER INLET
SCH 40 PVC SxSxT TEE FITTING LATERAL x SPRINKLER INLET SIZE
LATERAL LINE, SEE SPECIFICATIONS FOR TYPE AND DEPTH REQUIRED
SECTION VIEW - N.T.S.
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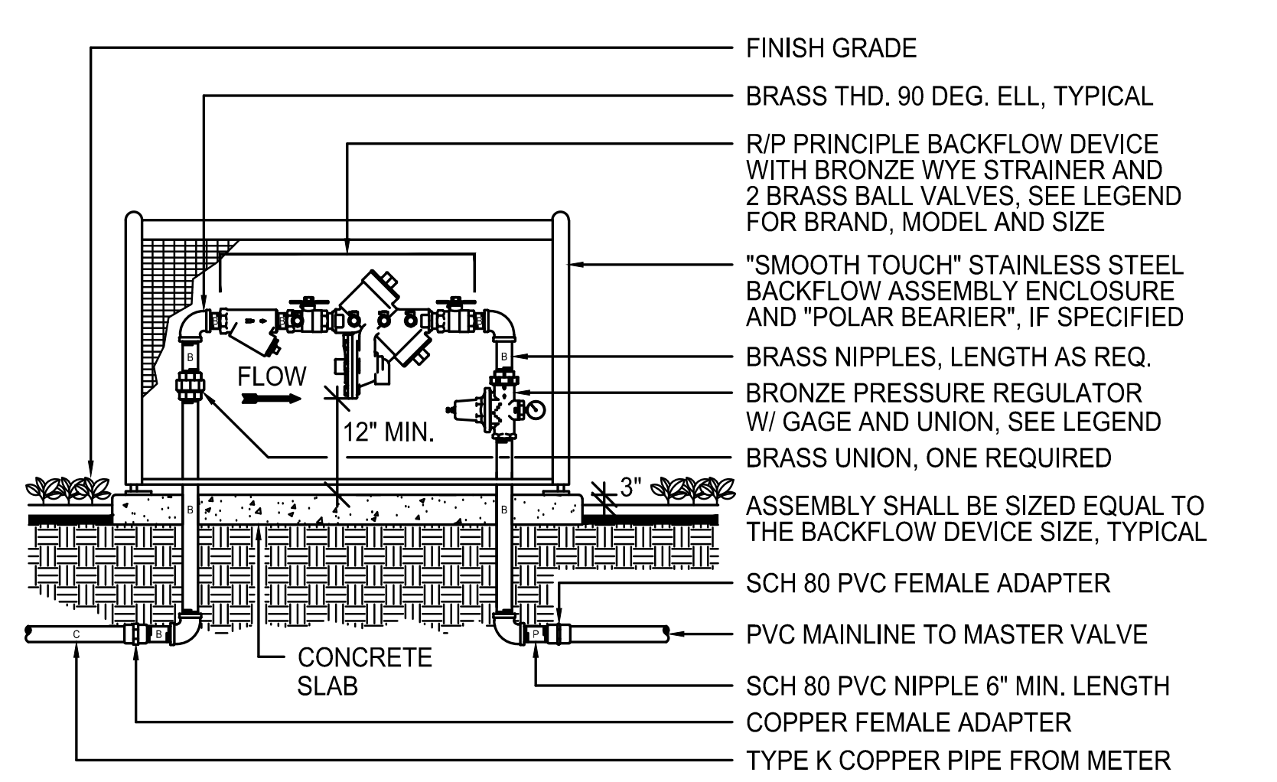
NOTE:
INSTALL SPRINKLER HEADS 6" FROM PAVING EDGE IN SHRUB AND GROUND COVER AREAS.
INSTALL SPRINKLER HEADS 12" FROM THE FACE OF BUILDING WALLS OR WINDOWS.
INSTALL SPRINKLER HEADS 4" FROM PAVING EDGE IN TURF AREAS.

INSTALL SPRINKLER HEADS PLUMB. ADJUST SPRAYS OR NOZZLE STREAM TO COVER LANDSCAPE AREA WITHOUT OVERSPRAY ONTO PAVING, FENCES, WALLS OR BUILDINGS.

Ⓐ POP-UP SPRINKLER


FINISH GRADE
BRASS THD. 90 DEG. ELL, TYPICAL
R/P PRINCIPLE BACKFLOW DEVICE WITH BRONZE WYE STRAINER AND 2 BRASS BALL VALVES, SEE LEGEND FOR BRAND, MODEL AND SIZE
"SMOOTH TOUCH" STAINLESS STEEL BACKFLOW ASSEMBLY ENCLOSURE AND "POLAR BEARIER", IF SPECIFIED
BRASS NIPPLES, LENGTH AS REQ.
BRONZE PRESSURE REGULATOR W/ GAGE AND UNION, SEE LEGEND FOR BRAND AND SIZE
BRASS UNION, ONE REQUIRED
ASSEMBLY SHALL BE SIZED EQUAL TO THE BACKFLOW DEVICE SIZE, TYPICAL
SCH 80 PVC FEMALE ADAPTER
PVC MAINLINE TO MASTER VALVE
SCH 80 PVC NIPPLE 6" MIN. LENGTH
COPPER FEMALE ADAPTER
TYPE K COPPER PIPE FROM METER
CONCRETE SLAB
FLOW
12" MIN.
3"
SECTION VIEW - N.T.S.
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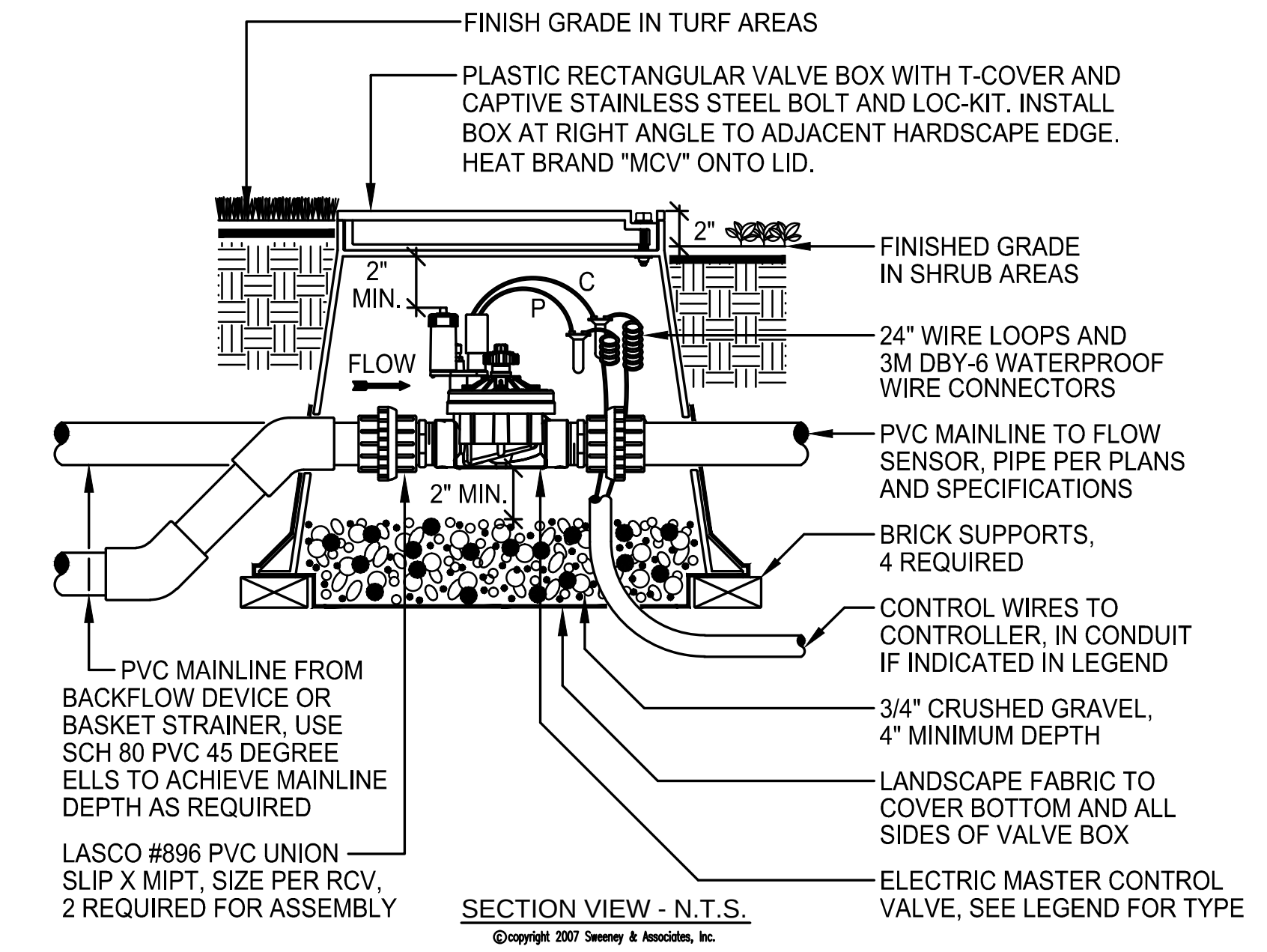
NOTE:
CONCRETE SLAB SHALL BE MINIMUM 4" THICK, 18" WIDE AND EXTEND AT LEAST 8" PAST THE BACKFLOW ASSEMBLY PIPING. IF BACKFLOW ENCLOSURE IS SPECIFIED, THE CONCRETE SLAB SHALL BE THE SIZE REQUIRED BY THE MANUFACTURER.

Ⓑ BACKFLOW DEVICE


FINISH GRADE IN TURF AREAS
PLASTIC RECTANGULAR VALVE BOX WITH T-COVER AND CAPTIVE STAINLESS STEEL BOLT AND LOC-KIT. INSTALL BOX AT RIGHT ANGLE TO ADJACENT HARDSCAPE EDGE. HEAT BRAND "MCV" ONTO LID.
2"
2" MIN.
FLOW
2" MIN.
FINISHED GRADE IN SHRUB AREAS
24" WIRE LOOPS AND 3M DBY-6 WATERPROOF WIRE CONNECTORS
PVC MAINLINE TO FLOW SENSOR, PIPE PER PLANS AND SPECIFICATIONS
BRICK SUPPORTS, 4 REQUIRED
CONTROL WIRES TO CONTROLLER, IN CONDUIT IF INDICATED IN LEGEND
3/4" CRUSHED GRAVEL, 4" MINIMUM DEPTH
LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF VALVE BOX
ELECTRIC MASTER CONTROL VALVE, SEE LEGEND FOR TYPE
PVC MAINLINE FROM BACKFLOW DEVICE OR BASKET STRAINER, USE SCH 80 PVC 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH AS REQUIRED
LASCO #896 PVC UNION SLIP X MIPT, SIZE PER RCV, 2 REQUIRED FOR ASSEMBLY
SECTION VIEW - N.T.S.
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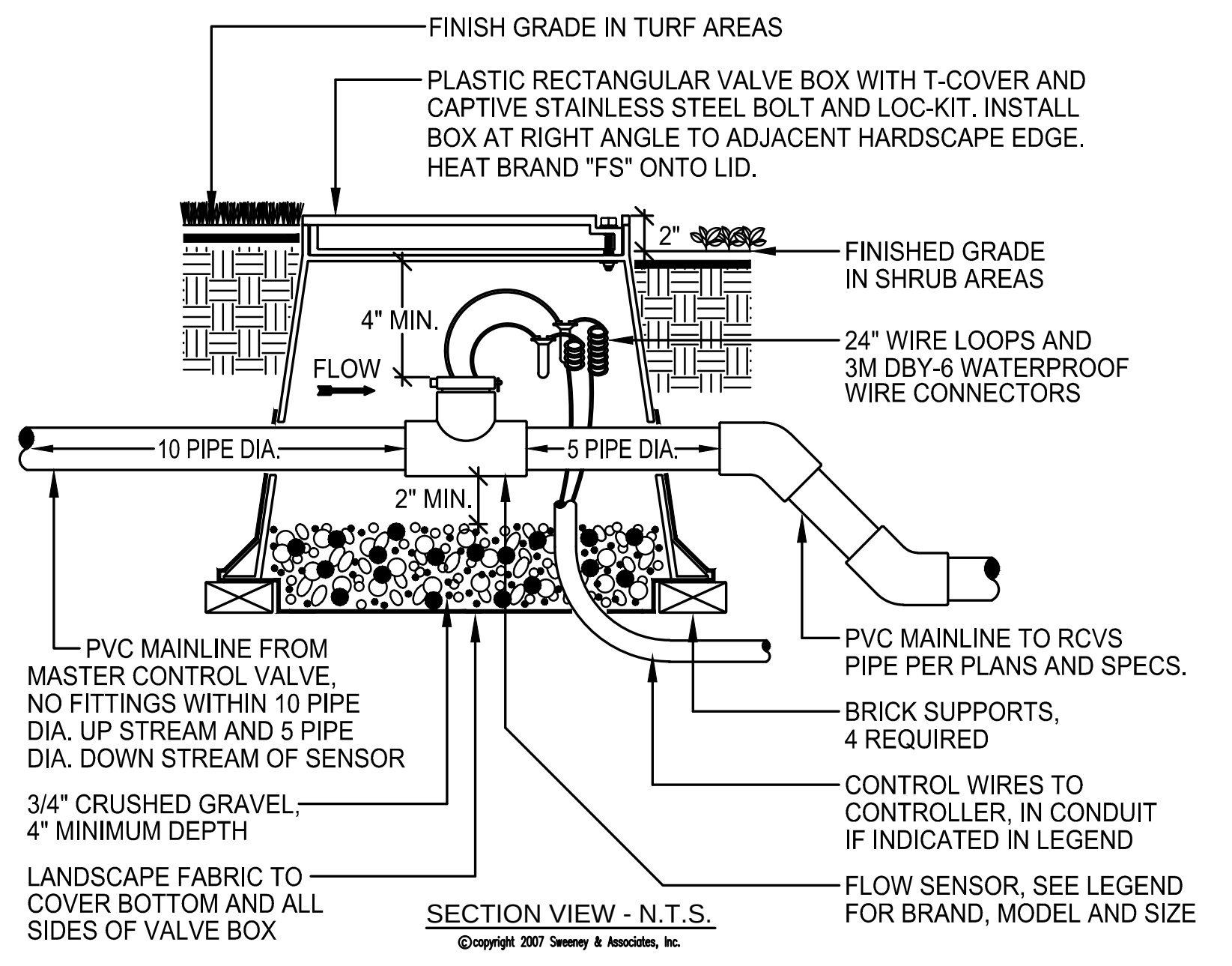
NOTE:
USE STANDARD OPENINGS PROVIDED IN VALVE BOX FOR PIPE, DO NOT CUT BOX.

Ⓒ MASTER CONTROL VALVE


FINISH GRADE IN TURF AREAS
PLASTIC RECTANGULAR VALVE BOX WITH T-COVER AND CAPTIVE STAINLESS STEEL BOLT AND LOC-KIT. INSTALL BOX AT RIGHT ANGLE TO ADJACENT HARDSCAPE EDGE. HEAT BRAND "FS" ONTO LID.
2"
4" MIN.
FLOW
10 PIPE DIA.
5 PIPE DIA.
2" MIN.
FINISHED GRADE IN SHRUB AREAS
24" WIRE LOOPS AND 3M DBY-6 WATERPROOF WIRE CONNECTORS
PVC MAINLINE TO RCVS PIPE PER PLANS AND SPECS.
BRICK SUPPORTS, 4 REQUIRED
CONTROL WIRES TO CONTROLLER, IN CONDUIT IF INDICATED IN LEGEND
FLOW SENSOR, SEE LEGEND FOR BRAND, MODEL AND SIZE
PVC MAINLINE FROM MASTER CONTROL VALVE, NO FITTINGS WITHIN 10 PIPE DIA. UP STREAM AND 5 PIPE DIA. DOWN STREAM OF SENSOR
3/4" CRUSHED GRAVEL, 4" MINIMUM DEPTH
LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF VALVE BOX
SECTION VIEW - N.T.S.
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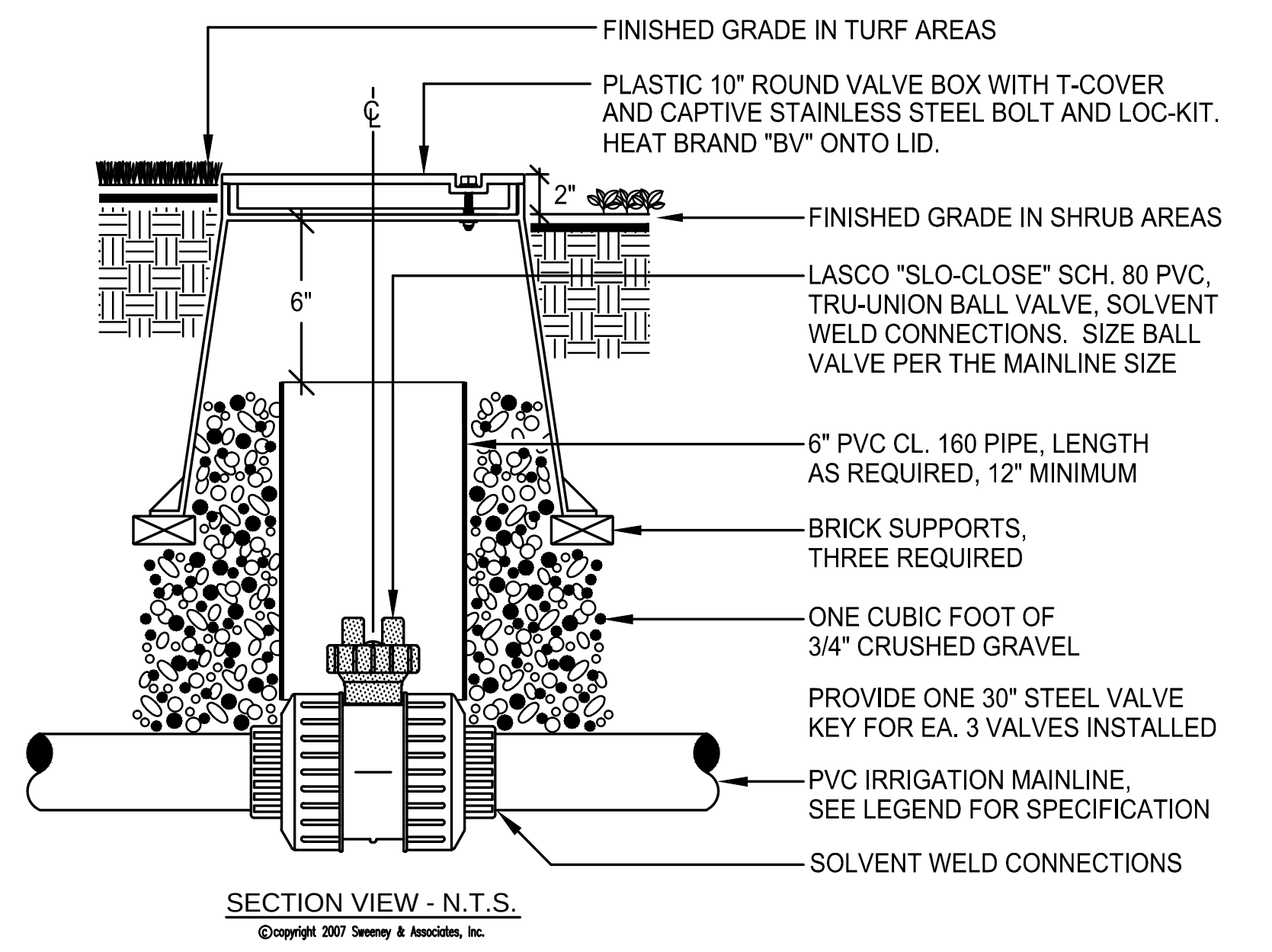
NOTE:
USE STANDARD OPENINGS PROVIDED IN VALVE BOX FOR PIPE, DO NOT CUT BOX.
USE SCH 80 PVC 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH AS REQUIRED.

Ⓓ FLOW SENSOR


FINISHED GRADE IN TURF AREAS
PLASTIC 10" ROUND VALVE BOX WITH T-COVER AND CAPTIVE STAINLESS STEEL BOLT AND LOC-KIT. HEAT BRAND "BV" ONTO LID.
2"
FINISHED GRADE IN SHRUB AREAS
LASCO "SLO-CLOSE" SCH. 80 PVC, TRU-UNION BALL VALVE, SOLVENT WELD CONNECTIONS. SIZE BALL VALVE PER THE MAINLINE SIZE
6"
6" PVC CL. 160 PIPE, LENGTH AS REQUIRED, 12" MINIMUM
BRICK SUPPORTS, THREE REQUIRED
ONE CUBIC FOOT OF 3/4" CRUSHED GRAVEL
PROVIDE ONE 30" STEEL VALVE KEY FOR EA. 3 VALVES INSTALLED
PVC IRRIGATION MAINLINE, SEE LEGEND FOR SPECIFICATION
SOLVENT WELD CONNECTIONS
SECTION VIEW - N.T.S.
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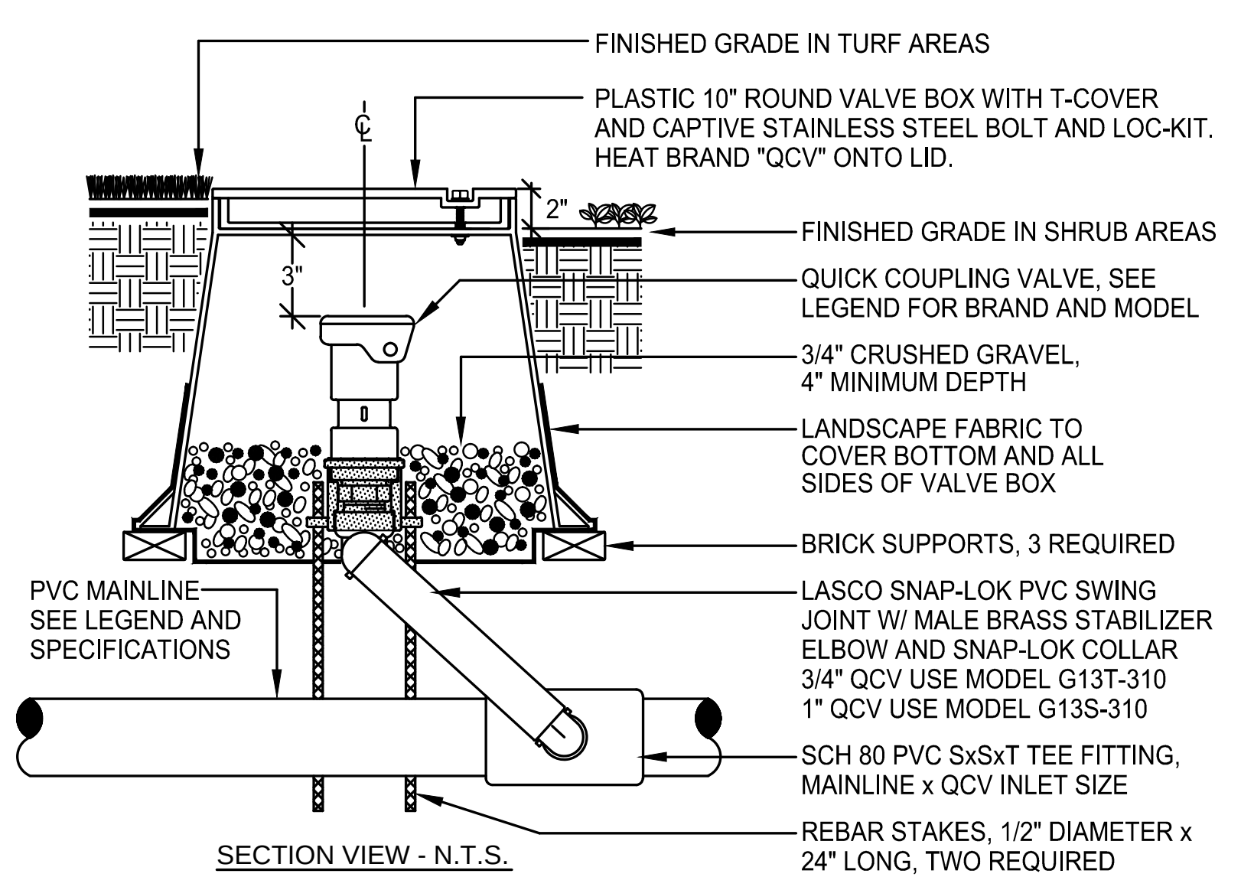
Ⓔ BALL VALVE


FINISHED GRADE IN TURF AREAS
PLASTIC 10" ROUND VALVE BOX WITH T-COVER AND CAPTIVE STAINLESS STEEL BOLT AND LOC-KIT. HEAT BRAND "QCV" ONTO LID.
2"
FINISHED GRADE IN SHRUB AREAS
QUICK COUPLING VALVE, SEE LEGEND FOR BRAND AND MODEL
3/4" CRUSHED GRAVEL, 4" MINIMUM DEPTH
LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF VALVE BOX
BRICK SUPPORTS, 3 REQUIRED
LASCO SNAP-LOK PVC SWING JOINT W/ MALE BRASS STABILIZER ELBOW AND SNAP-LOK COLLAR 3/4" QCV USE MODEL G13T-310 1" QCV USE MODEL G13S-310
SCH 80 PVC SxSxT TEE FITTING, MAINLINE x QCV INLET SIZE
REBAR STAKES, 1/2" DIAMETER x 24" LONG, TWO REQUIRED
PVC MAINLINE SEE LEGEND AND SPECIFICATIONS
SECTION VIEW - N.T.S.
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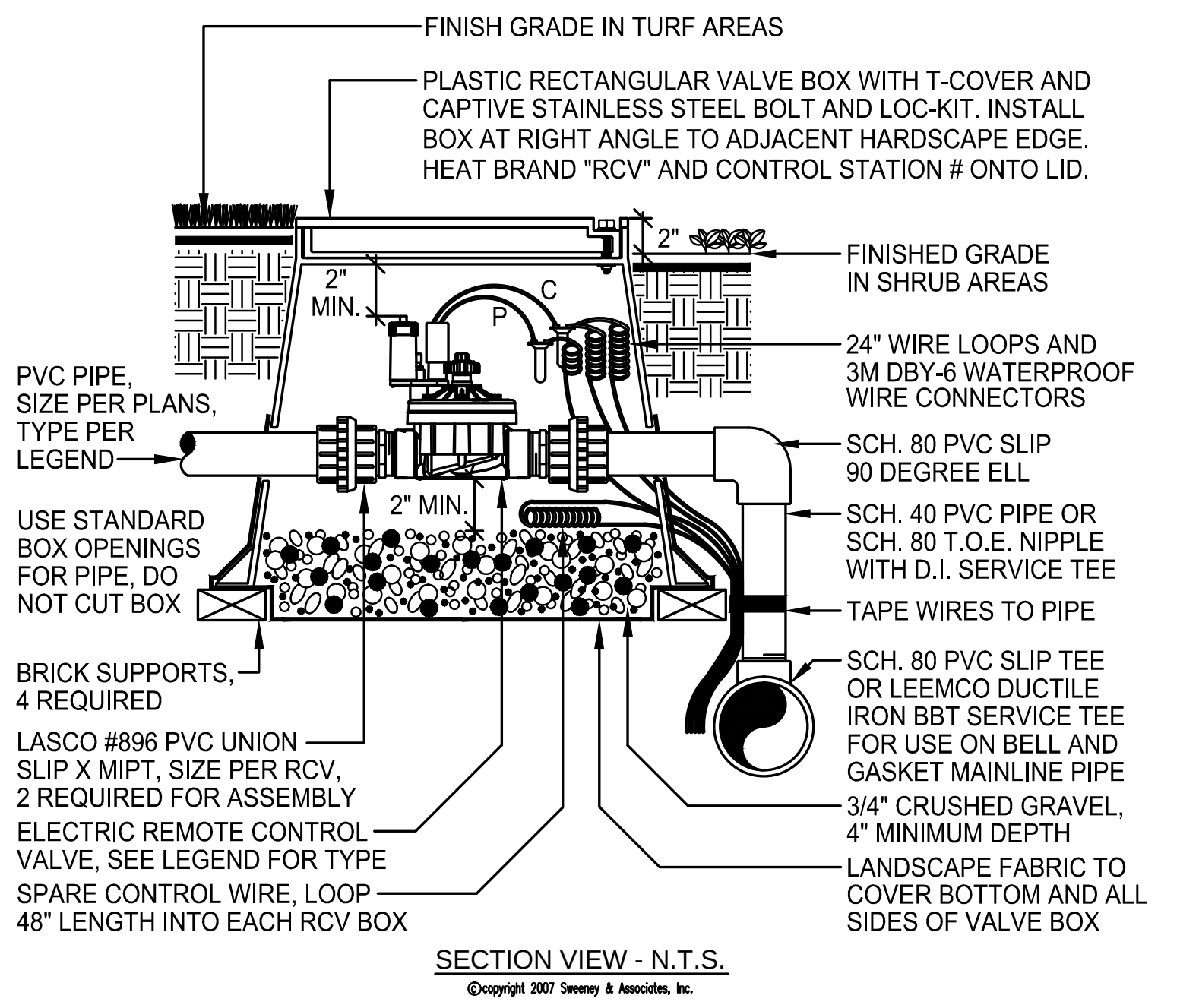
NOTE:
USE AN APPROVED, NON-HARDENING, TEFLON ASSEMBLY PASTE ON ALL THREADED FITTINGS.

Ⓕ QUICK COUPLER VALVE


FINISH GRADE IN TURF AREAS
PLASTIC RECTANGULAR VALVE BOX WITH T-COVER AND CAPTIVE STAINLESS STEEL BOLT AND LOC-KIT. INSTALL BOX AT RIGHT ANGLE TO ADJACENT HARDSCAPE EDGE. HEAT BRAND "RCV" AND CONTROL STATION # ONTO LID.
2"
2" MIN.
2" MIN.
FINISHED GRADE IN SHRUB AREAS
24" WIRE LOOPS AND 3M DBY-6 WATERPROOF WIRE CONNECTORS
SCH. 80 PVC SLIP 90 DEGREE ELL
SCH. 80 PVC PIPE OR SCH. 80 T.O.E. NIPPLE WITH D.I. SERVICE TEE
TAPE WIRES TO PIPE
SCH. 80 PVC SLIP TEE OR LEEMCO DUCTILE IRON BBT SERVICE TEE FOR USE ON BELL AND GASKET MAINLINE PIPE
3/4" CRUSHED GRAVEL, 4" MINIMUM DEPTH
LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF VALVE BOX
PVC PIPE, SIZE PER PLANS, TYPE PER LEGEND
USE STANDARD BOX OPENINGS FOR PIPE, DO NOT CUT BOX
BRICK SUPPORTS, 4 REQUIRED
LASCO #896 PVC UNION SLIP X MIPT, SIZE PER RCV, 2 REQUIRED FOR ASSEMBLY
ELECTRIC REMOTE CONTROL VALVE, SEE LEGEND FOR TYPE
SPARE CONTROL WIRE, LOOP 48" LENGTH INTO EACH RCV BOX
SECTION VIEW - N.T.S.
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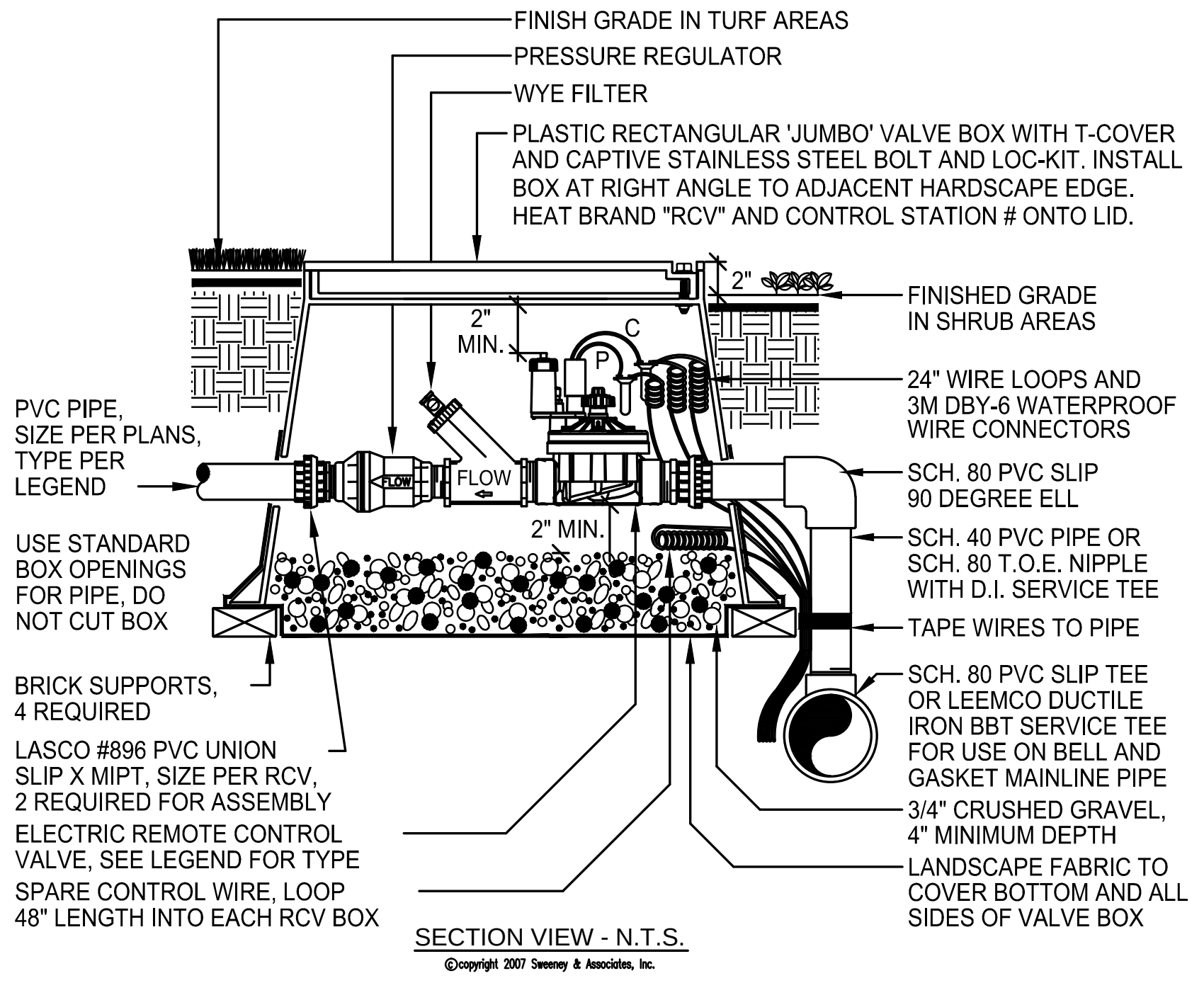
Ⓖ REMOTE CONTROL VALVE


FINISH GRADE IN TURF AREAS
PRESSURE REGULATOR
WYE FILTER
PLASTIC RECTANGULAR 'JUMBO' VALVE BOX WITH T-COVER AND CAPTIVE STAINLESS STEEL BOLT AND LOC-KIT. INSTALL BOX AT RIGHT ANGLE TO ADJACENT HARDSCAPE EDGE. HEAT BRAND "RCV" AND CONTROL STATION # ONTO LID.
2"
2" MIN.
FLOW
2" MIN.
FINISHED GRADE IN SHRUB AREAS
24" WIRE LOOPS AND 3M DBY-6 WATERPROOF WIRE CONNECTORS
SCH. 80 PVC SLIP 90 DEGREE ELL
SCH. 40 PVC PIPE OR SCH. 80 T.O.E. NIPPLE WITH D.I. SERVICE TEE
TAPE WIRES TO PIPE
SCH. 80 PVC SLIP TEE OR LEEMCO DUCTILE IRON BBT SERVICE TEE FOR USE ON BELL AND GASKET MAINLINE PIPE
3/4" CRUSHED GRAVEL, 4" MINIMUM DEPTH
LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF VALVE BOX
PVC PIPE, SIZE PER PLANS, TYPE PER LEGEND
USE STANDARD BOX OPENINGS FOR PIPE, DO NOT CUT BOX
BRICK SUPPORTS, 4 REQUIRED
LASCO #896 PVC UNION SLIP X MIPT, SIZE PER RCV, 2 REQUIRED FOR ASSEMBLY
ELECTRIC REMOTE CONTROL VALVE, SEE LEGEND FOR TYPE
SPARE CONTROL WIRE, LOOP 48" LENGTH INTO EACH RCV BOX
SECTION VIEW - N.T.S.
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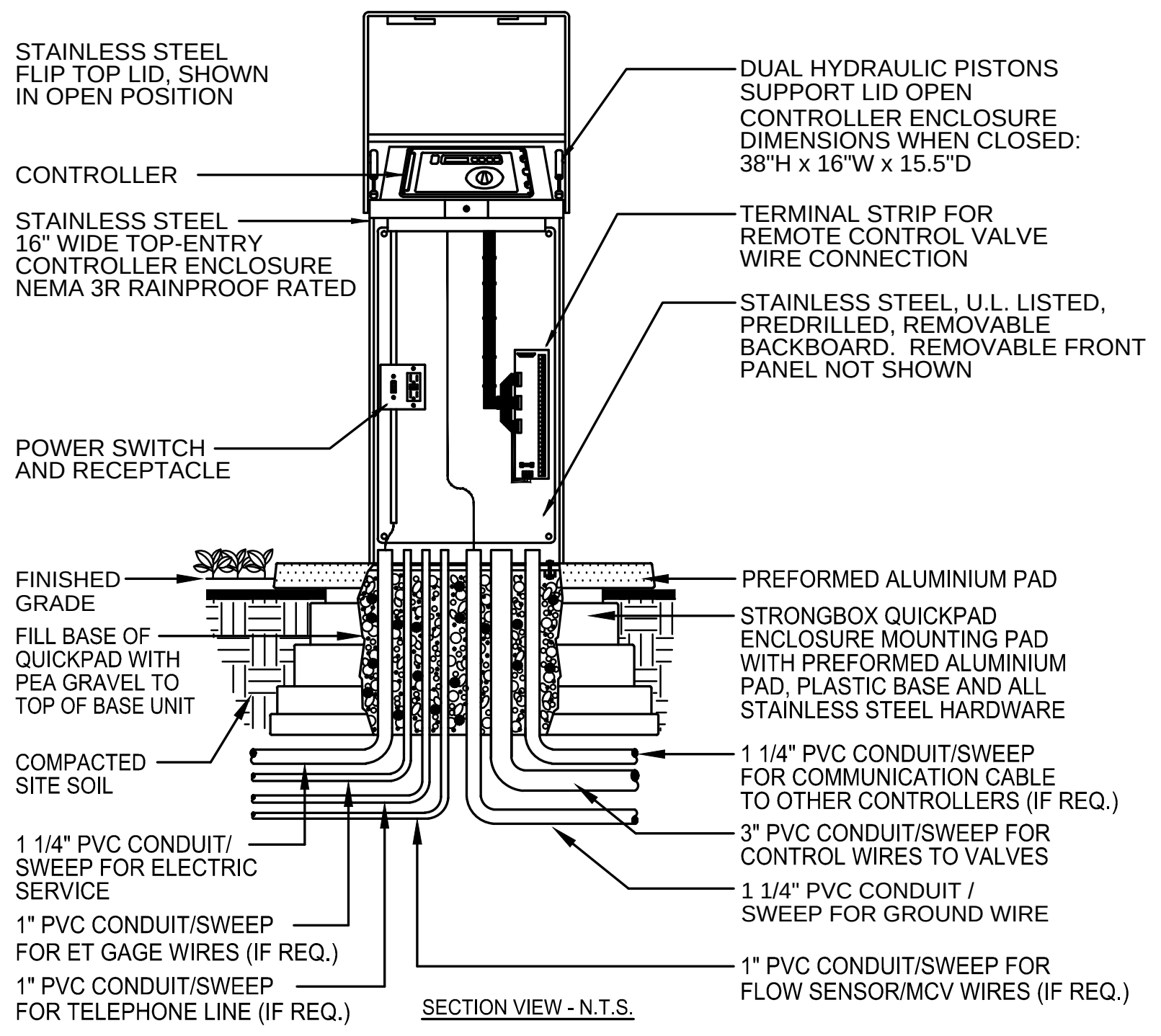
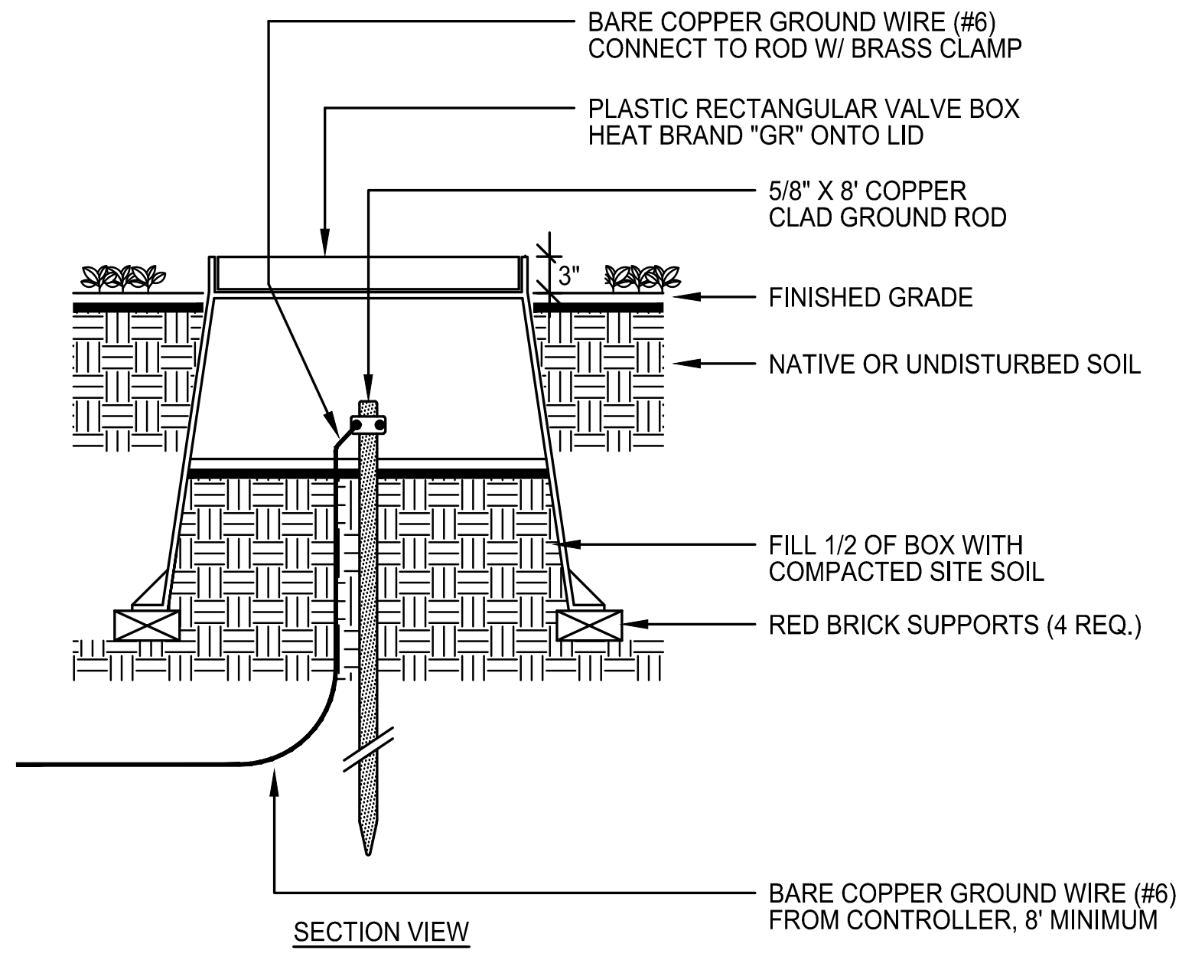
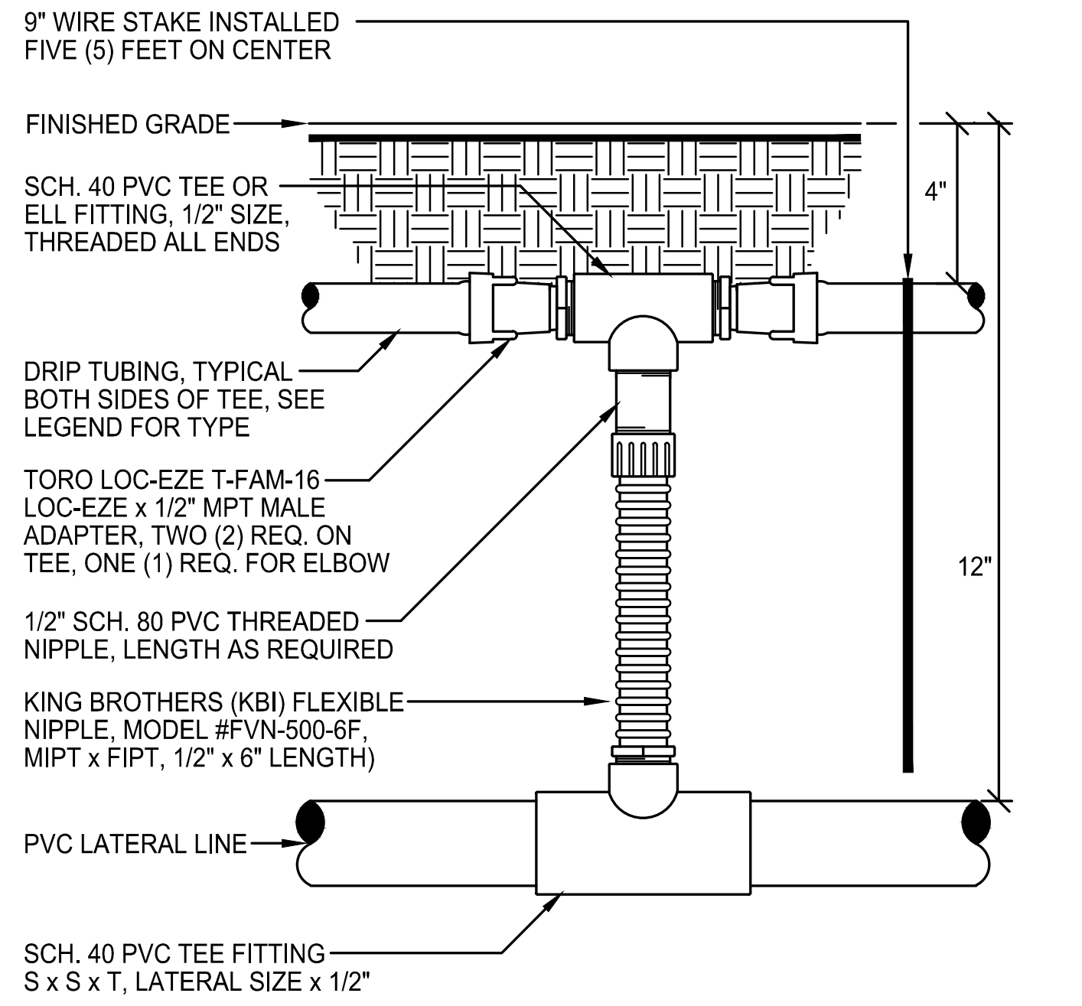
Ⓗ DRIP RCV ASSEMBLY


STAINLESS STEEL FLIP TOP LID, SHOWN IN OPEN POSITION
CONTROLLER
STAINLESS STEEL 16" WIDE TOP-ENTRY CONTROLLER ENCLOSURE NEMA 3R RAINPROOF RATED
POWER SWITCH AND RECEPTACLE
FINISHED GRADE
FILL BASE OF QUICKPAD WITH PEA GRAVEL TO TOP OF BASE UNIT
COMPACTED SITE SOIL
1 1/4" PVC CONDUIT/ SWEEP FOR ELECTRIC SERVICE
1" PVC CONDUIT/SWEEP FOR ET GAGE WIRES (IF REQ.)
1" PVC CONDUIT/SWEEP FOR TELEPHONE LINE (IF REQ.)
DUAL HYDRAULIC PISTONS SUPPORT LID OPEN
CONTROLLER ENCLOSURE DIMENSIONS WHEN CLOSED: 38"H x 16"W x 15.5"D
TERMINAL STRIP FOR REMOTE CONTROL VALVE WIRE CONNECTION
STAINLESS STEEL, U.L. LISTED, PREDRILLED, REMOVABLE BACKBOARD. REMOVABLE FRONT PANEL NOT SHOWN
PREFORMED ALUMINIUM PAD
STRONGBOX QUICKPAD ENCLOSURE MOUNTING PAD WITH PREFORMED ALUMINIUM PAD, PLASTIC BASE AND ALL STAINLESS STEEL HARDWARE
1 1/4" PVC CONDUIT/SWEEP FOR COMMUNICATION CABLE TO OTHER CONTROLLERS (IF REQ.)
3" PVC CONDUIT/SWEEP FOR CONTROL WIRES TO VALVES
1 1/4" PVC CONDUIT / SWEEP FOR GROUND WIRE
1" PVC CONDUIT/SWEEP FOR FLOW SENSOR/MCV WIRES (IF REQ.)
SECTION VIEW - N.T.S.

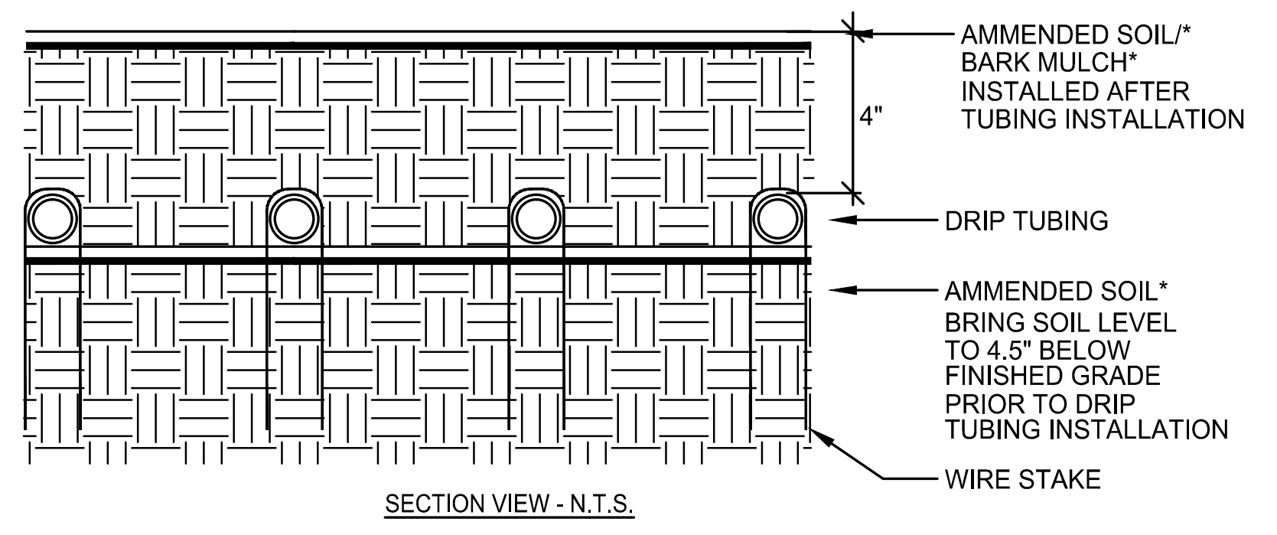
Ⓘ CONTROLLER ENCLOSURE


BARE COPPER GROUND WIRE (#6) CONNECT TO ROD W/ BRASS CLAMP
PLASTIC RECTANGULAR VALVE BOX HEAT BRAND "GR" ONTO LID
5/8" X 8' COPPER CLAD GROUND ROD
3"
FINISHED GRADE
NATIVE OR UNDISTURBED SOIL
FILL 1/2 OF BOX WITH COMPACTED SITE SOIL
RED BRICK SUPPORTS (4 REQ.)
BARE COPPER GROUND WIRE (#6) FROM CONTROLLER, 6' MINIMUM
SECTION VIEW

Ⓙ GROUND ROD INSTALLTION


9" WIRE STAKE INSTALLED FIVE (5) FEET ON CENTER
FINISHED GRADE
4"
SCH. 40 PVC TEE OR ELL FITTING, 1/2" SIZE. THREADED ALL ENDS
DRIP TUBING, TYPICAL BOTH SIDES OF TEE, SEE LEGEND FOR TYPE
TORO LOC-EZE T-FAM-16 LOC-EZE x 1/2" MPT MALE ADAPTER, TWO (2) REQ. ON TEE, ONE (1) REQ. FOR ELBOW
12"
1/2" SCH. 80 PVC THREADED NIPPLE, LENGTH AS REQUIRED
KING BROTHERS (KBI) FLEXIBLE NIPPLE, MODEL #FVN-500-6F, MIPT x FIPT, 1/2" x 6" LENGTH)
PVC LATERAL LINE
SCH. 40 PVC TEE FITTING S x S x T, LATERAL SIZE x 1/2"

Ⓚ DRIPLINE TUBING


AMMENDED SOIL/* BARK MULCH* INSTALLED AFTER TUBING INSTALLATION
4"
DRIP TUBING
AMMENDED SOIL* BRING SOIL LEVEL TO 4.5" BELOW FINISHED GRADE PRIOR TO DRIP TUBING INSTALLATION
WIRE STAKE
SECTION VIEW - N.T.S.

* AS PER LANDSCAPE DRAWINGS

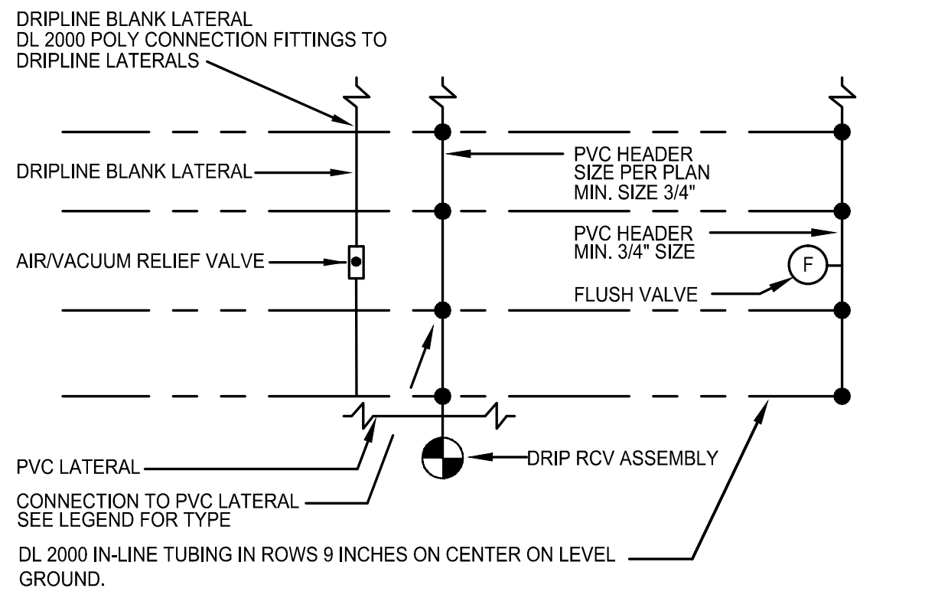
RECOMMENDED INSTALLATION:

TO INSURE EVEN PARALLEL AND LEVEL TUBING ROWS IT IS RECOMMENDED THAT THE SOIL LEVEL IN THE PLANTER AREAS BE BROUGHT TO 4.5" BELOW FINISHED GRADE AND PROPERLY COMPACTED AS PER THE LANDSCAPE DRAWINGS PRIOR TO THE INSTALLATION OF THE TUBING.

INSTALL TUBING AS INDICATED ON THESE DRAWINGS AND SECURE TO GRADE USING WIRE HOOP STAKES AT 5 FEET ON CENTER SPACING.

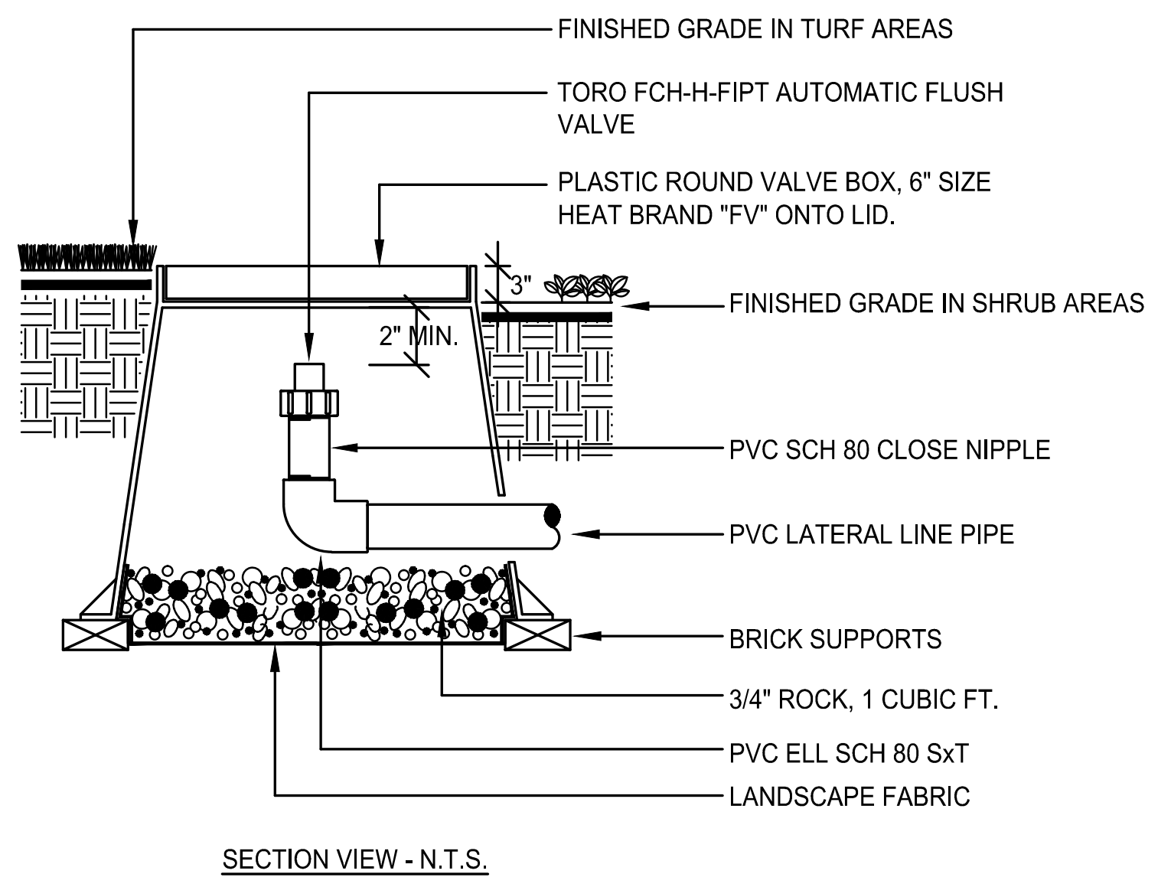
BACKFILL FINAL 4.5" OF SOIL/BARK MULCH OVER THE TUBING AFTER INSTALLATION OF THE TUBING AND OBSERVATION BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

Ⓛ DRIPLINE CONNECTION(SECTION)

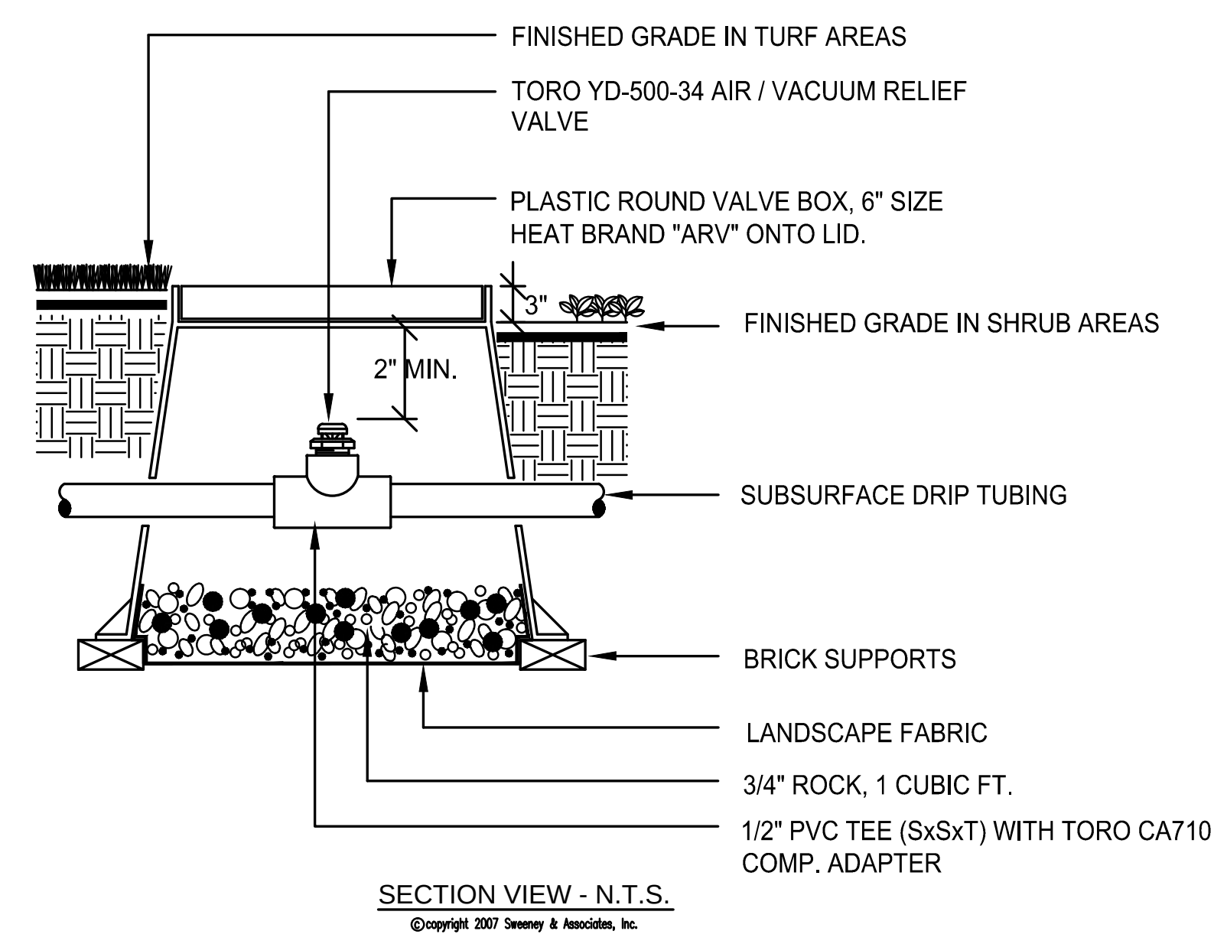

DRIPLINE BLANK LATERAL DL 2000 POLY CONNECTION FITTINGS TO DRIPLINE LATERALS
DRIPLINE BLANK LATERAL
AIR/VACUUM RELIEF VALVE
PVC HEADER SIZE PER PLAN MIN. SIZE 3/4"
PVC HEADER MIN. 3/4" SIZE
F
FLUSH VALVE
PVC LATERAL
CONNECTION TO PVC LATERAL SEE LEGEND FOR TYPE
DRIP RCV ASSEMBLY
DL 2000 IN-LINE TUBING IN ROWS 9 INCHES ON CENTER ON LEVEL GROUND.

INSTALL DRIP FLUSH VALVE PER DETAIL AT THE END OF EACH TUBING SECTION PER PLAN
INSTALL AIR RELIEF VALVES PER DETAIL, AT HIGH POINTS OF EACH TUBING SECTION PER PLAN.
RUN AIR/VACUUM RELIEF BLANK TUBING LATERAL ALONG HIGH POINT OF MOUND OR BERM.
ATTACH ALL IN-LINE DRIP TUBING TO BLANK LATERAL. MORE THAN TWO RELIEF VALVES MAY NEED TO BE INSTALLED PER SECTION

Ⓜ DRIPLINE CONNECTION(PLAN)


FINISHED GRADE IN TURF AREAS
TORO FCH-H-FIPT AUTOMATIC FLUSH VALVE
PLASTIC ROUND VALVE BOX, 6" SIZE HEAT BRAND "FV" ONTO LID.
2" MIN.
FINISHED GRADE IN SHRUB AREAS
PVC SCH 80 CLOSE NIPPLE
PVC LATERAL LINE PIPE
BRICK SUPPORTS
3/4" ROCK, 1 CUBIC FT.
PVC ELL SCH 80 SxT
LANDSCAPE FABRIC
SECTION VIEW - N.T.S.

Ⓝ DRIP FLUSH VALVE


FINISHED GRADE IN TURF AREAS
TORO YD-500-34 AIR / VACUUM RELIEF VALVE
PLASTIC ROUND VALVE BOX, 6" SIZE HEAT BRAND "ARV" ONTO LID.
3"
2" MIN.
FINISHED GRADE IN SHRUB AREAS
SUBSURFACE DRIP TUBING
BRICK SUPPORTS
LANDSCAPE FABRIC
3/4" ROCK, 1 CUBIC FT.
1/2" PVC TEE (SxSxT) WITH TORO CA710 COMP. ADAPTER
SECTION VIEW - N.T.S.
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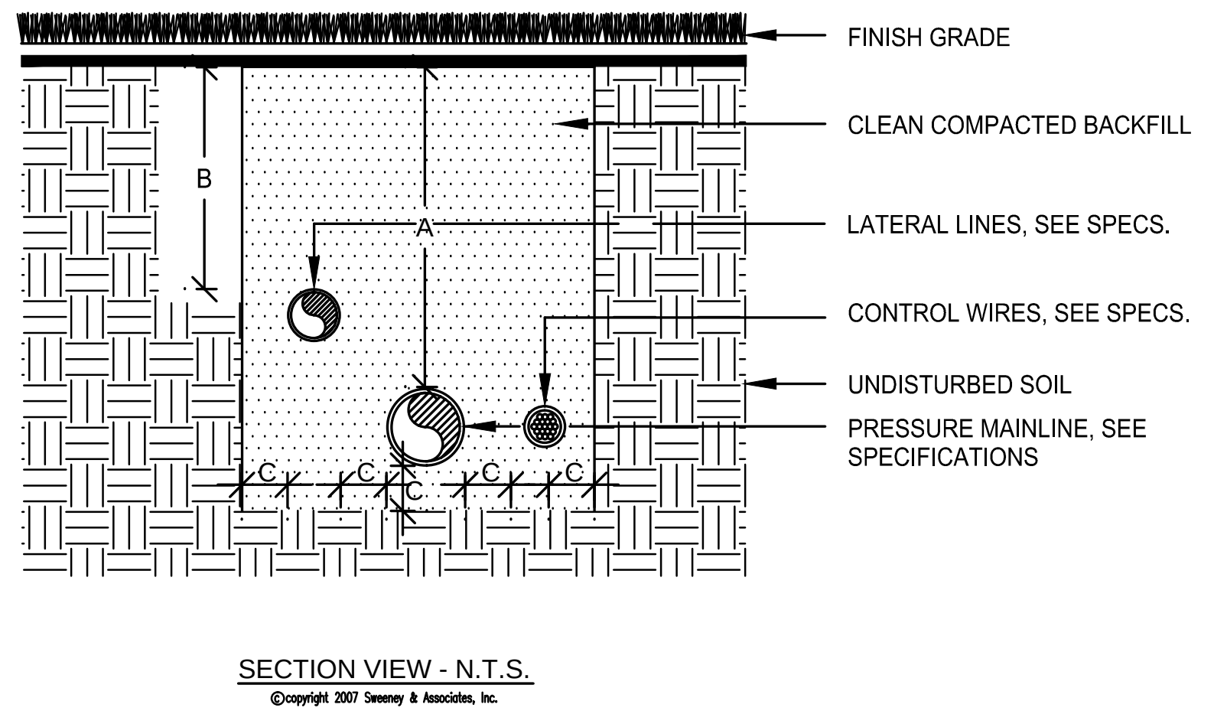
Ⓞ DRIP AIR RELIEF VALVE


FINISH GRADE
CLEAN COMPACTED BACKFILL
LATERAL LINES, SEE SPECS.
CONTROL WIRES, SEE SPECS.
UNDISTURBED SOIL
PRESSURE MAINLINE, SEE SPECIFICATIONS
B
A
SECTION VIEW - N.T.S.
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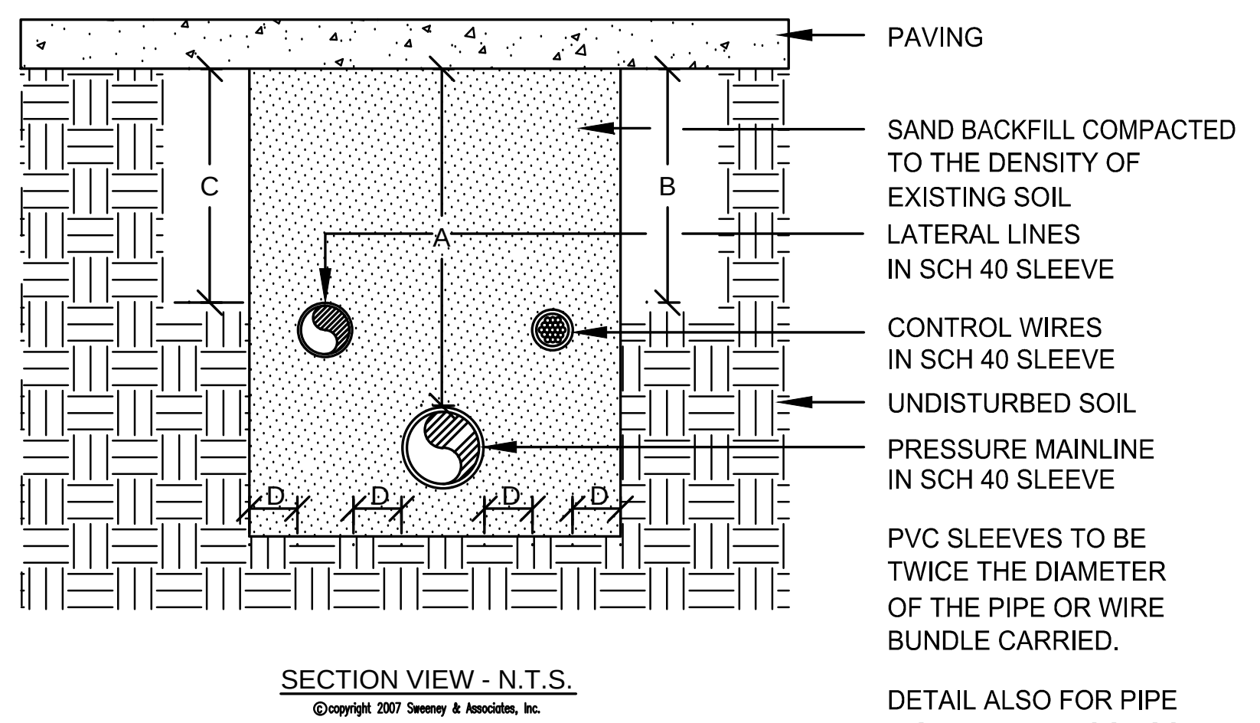
DIMENSION	A	B	C
1/2" TO 2-1/2" IN SIZE	18"	12"	4"
3" TO 6" IN SIZE	24"		4"

Ⓟ PIPE INSTALLATION


PAVING
SAND BACKFILL COMPACTED TO THE DENSITY OF EXISTING SOIL
LATERAL LINES IN SCH 40 SLEEVE
CONTROL WIRES IN SCH 40 SLEEVE
UNDISTURBED SOIL
PRESSURE MAINLINE IN SCH 40 SLEEVE
C
A
B
D
SECTION VIEW - N.T.S.
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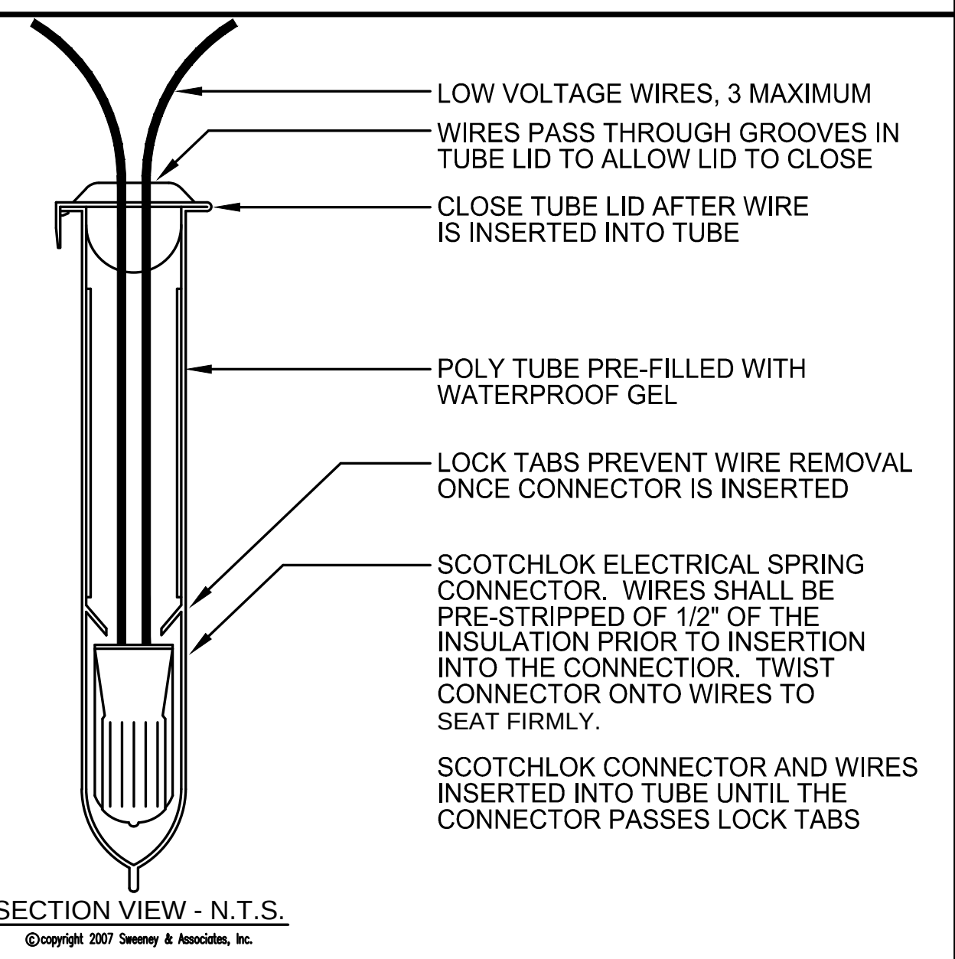
PVC SLEEVES TO BE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE CARRIED.

DETAIL ALSO FOR PIPE INSTALLED IN ROCK SOIL.

DIMENSION	A	B	C	D
1 1/2" TO 6" IN SIZE	36"	24"	24"	4"

Ⓠ SLEEVE INSTALLATION


LOW VOLTAGE WIRES, 3 MAXIMUM
WIRES PASS THROUGH GROOVES IN TUBE LID TO ALLOW LID TO CLOSE
CLOSE TUBE LID AFTER WIRE IS INSERTED INTO TUBE
POLY TUBE PRE-FILLED WITH WATERPROOF GEL
LOCK TABS PREVENT WIRE REMOVAL ONCE CONNECTOR IS INSERTED
SCOTCHLOK ELECTRICAL SPRING CONNECTOR. WIRES SHALL BE PRE-STRIPPED OF 1/2" OF THE INSULATION PRIOR TO INSERTION INTO THE CONNECTIOR. TWIST CONNECTOR ONTO WIRES TO SEAT FIRMLY.
SCOTCHLOK CONNECTOR AND WIRES INSERTED INTO TUBE UNTIL THE CONNECTOR PASSES LOCK TABS
SECTION VIEW - N.T.S.
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NOTE:
WIRE CONNECTOR SHALL BE A 3M DBY-6 DIRECT BURY SPLICE KIT.

KIT SHALL INCLUDE A SCOTCHLOK Y SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PREFILLED WITH GEL.

DIRECT BURY SPLICE KIT SHALL BE USED TO ELECTRICALLY CONNECT 2 - 3 #14 OR 2 #12 PRE-STRIPPED COPPER WIRES. LARGER WIRES OR GREATER QUANTITIES OF WIRES SHALL REQUIRE A LARGER APPROVED WIRE CONNECTION.

Ⓡ WIRE CONNECTION

ValleyCrest
Design-Build

24151 Ventura Boulevard
Calabasas, CA 91302
818 737 3169 ph
818 225 2338 fax
www.valleycrest.com

Project Name

Whole Foods In The Park
Malibu, CA 90265

Consultant

PROJECT COORDINATOR	Marny Randall 909 Euclid St. #6 Santa Monica CA 90403 310. 395. 2615 p.
ARCHITECTS	Goldman Firth Rossi Architects 24955 Pacific Coast Highway Suite A202 Malibu, CA 90265 310.456.1831 p. 310.456.7690 f.
SURVEYOR	M & M & Co. 16145 Roscoe Blvd. North Hills CA 91343 818. 891. 9100 p. 818. 891. 9115 f.
CIVIL ENGINEER	P.C.C.E. Inc. 23801 Calabasas Rd. #1020 Calabasas CA 91301 818. 568. 5251 p. 818. 591. 8639 f.
LANDSCAPE ARCHITECT	ValleyCrest 24151 Ventura Blvd. Calabasas CA 91302 818. 737. 3169 p. 818. 225. 2338 f. www.valleycrest.com
LIGHTING	LightVision 1213 S. Ogden Drive Los Angeles CA 90019 323. 932. 0700 p. 323. 571. 0940
SOILS & GEOLOGY	GeoConcepts, Inc. 14428 Hamlin St. #200 Van Nuys CA 91401 818. 994. 8895 p. 818. 225. 2338 f. www.GeoConceptsinc.com
ARCHEOLOGY	H.E.A.R.T. 8701 Lava Place West Hills CA 91304 818. 340. 6676 p. 818. 340. 6676 f.
BIOLOGY	Rachel Tierney P.O. Box 1113 Santa Barbara CA 93102 805. 957. 1100 p.
TRAFFIC STUDY	Overland Traffic Consultants, Inc. 27201 Turney Rd,. #206 Santa Clarita CA 91355 661. 799. 8423 p. 661. 799. 8456 f.
ACOUSTICS (Noise Impact Study)	Schaffer Acoustics, Inc. 869 Via de La Paz Ste. D Pacific Palisades, CA 90272 310. 459. 6463 p. Mark Schaffer, P.E.

Registration

KURT P. BUXTON
3250
Signature
Date
Expires 4-30-

Sheet Title

IRRIGATION DETAILS

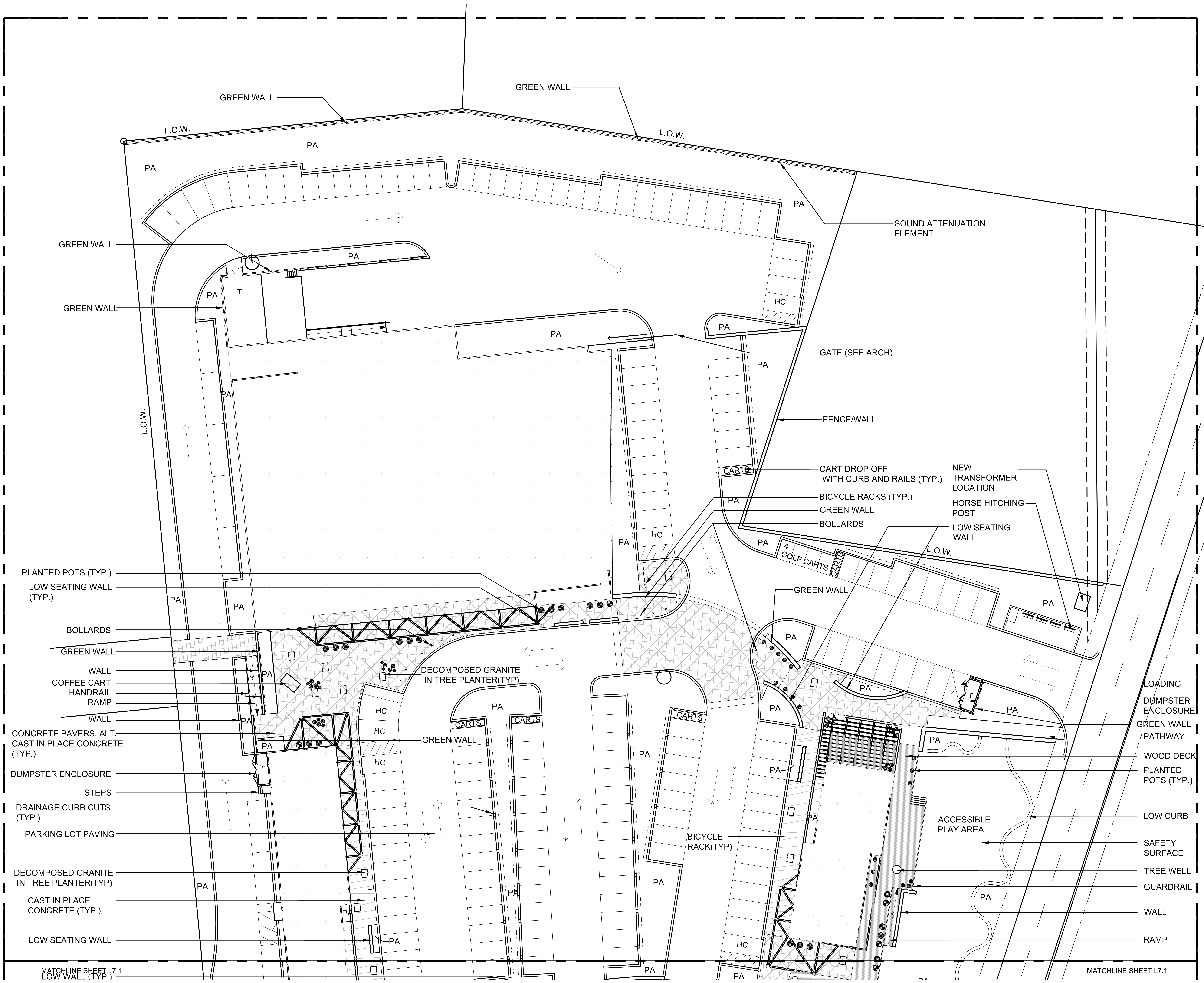
Date: July 10, 2010
Project No. 177079
Drawn By: DL
Checked By:
Scale: N.T.S.

Rev.	Date	Description
	05.05.10	Planning
	09.20.10	Planning Revision
	11.16.10	Planning Revision
	04.28.11	Planning Revision
△1	07.12.11	Planning Revision
△2	08.19.11	Planning Revision
	08.22.11	Planning Revision
	02.21.12	Planning Revision
	03.04.13	Revisions

Sheet No.

L6.3

NOT FOR CONSTRUCTION


GREEN WALL
L.O.W.
GREEN WALL
L.O.W.
PA
PA
PA
SOUND ATTENUATION ELEMENT
GREEN WALL
PA
T
PA
GREEN WALL
HC
PA
PA
GATE (SEE ARCH)
PA
L.O.W.
PA
FENCE/WALL
CARTS
CART DROP OFF WITH CURB AND RAILS (TYP.)
NEW TRANSFORMER LOCATION
BICYCLE RACKS (TYP.)
PA
GREEN WALL
HORSE HITCHING POST
BOLLARDS
HC
LOW SEATING WALL
PA
PA
4 GOLF CARTS
CARTS
L.O.W.
PLANTED POTS (TYP.)
LOW SEATING WALL (TYP.)
GREEN WALL
PA
PA
PA
BOLLARDS
PA
GREEN WALL
WALL
PA
COFFEE CART
DECOMPOSED GRANITE IN TREE PLANTER(TYP)
HANDRAIL
RAMP
LOADING
DUMPSTER ENCLOSURE
T
PA
PA
PA
HC
PA
WALL
PA
GREEN WALL
CONCRETE PAVERS, ALT. CAST IN PLACE CONCRETE (TYP.)
CARTS
CARTS
CARTS
PATHWAY
HC
GREEN WALL
PA
PA
PA
HC
DUMPSTER ENCLOSURE
T
WOOD DECK
PA
PLANTED POTS (TYP.)
STEPS
DRAINAGE CURB CUTS (TYP.)
PA
LOW CURB
ACCESSIBLE PLAY AREA
PARKING LOT PAVING
BICYCLE RACK(TYP)
SAFETY SURFACE
DECOMPOSED GRANITE IN TREE PLANTER(TYP)
TREE WELL
PA
PA
GUARDRAIL
CAST IN PLACE CONCRETE (TYP.)
PA
PA
WALL
PA
LOW SEATING WALL
PA
HC
RAMP
PA
PA
MATCHLINE SHEET L7.1
LOW WALL (TYP.)
MATCHLINE SHEET L7.1
PA

KEY NOTES

SHEET NOTES

GENERAL NOTES

1. ALL CONCRETE FLATWORK INSTALLED ADJACENT TO EXISTING CONCRETE FLATWORK SHALL JOIN EXISTING CONCRETE FLATWORK IN BOTH LINE AND GRADE UNLESS OTHERWISE NOTED ON PLANS.

ABBREVIATIONS

SC	SAW CUT JOINT
EJ	EXPANSION JOINT
CJ	COLD JOINT
TJ	TOOLED JOINT
PA	PLANTING AREA
TYP.	TYPICAL
PL	PROPERTY LINE
L.O.W.	LIMIT OF WORK
N.I.C.	NOT INCLUDED IN CONTRACT
HDR.	STEEL HEADER

PLAN LEGEND

0 LXXX	DETAIL CALL-OUT
0 LXXX	ELEVATION CALL-OUT
0 LXXX	SECTION INDICATOR
0 LXXX	DETAIL ENLARGEMENT

ValleyCrest
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24151 Ventura Boulevard
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Registration

REGISTERED LANDSCAPE ARCHITECT
KURT P. BUXTON
3250
Signature
Date
Expires 4-30-12
STATE OF CALIFORNIA

Sheet Title

HARDSCAPE PLAN

Date:	**July 10, 2010**
Project No.	**177079**
Drawn By:	**DL**
Checked By:	
Scale:	**1" = 20'-0"**

Rev.	Date	Description
	05.05.10	Planning
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	03.04.13	Revisions

Sheet No.

L7.0

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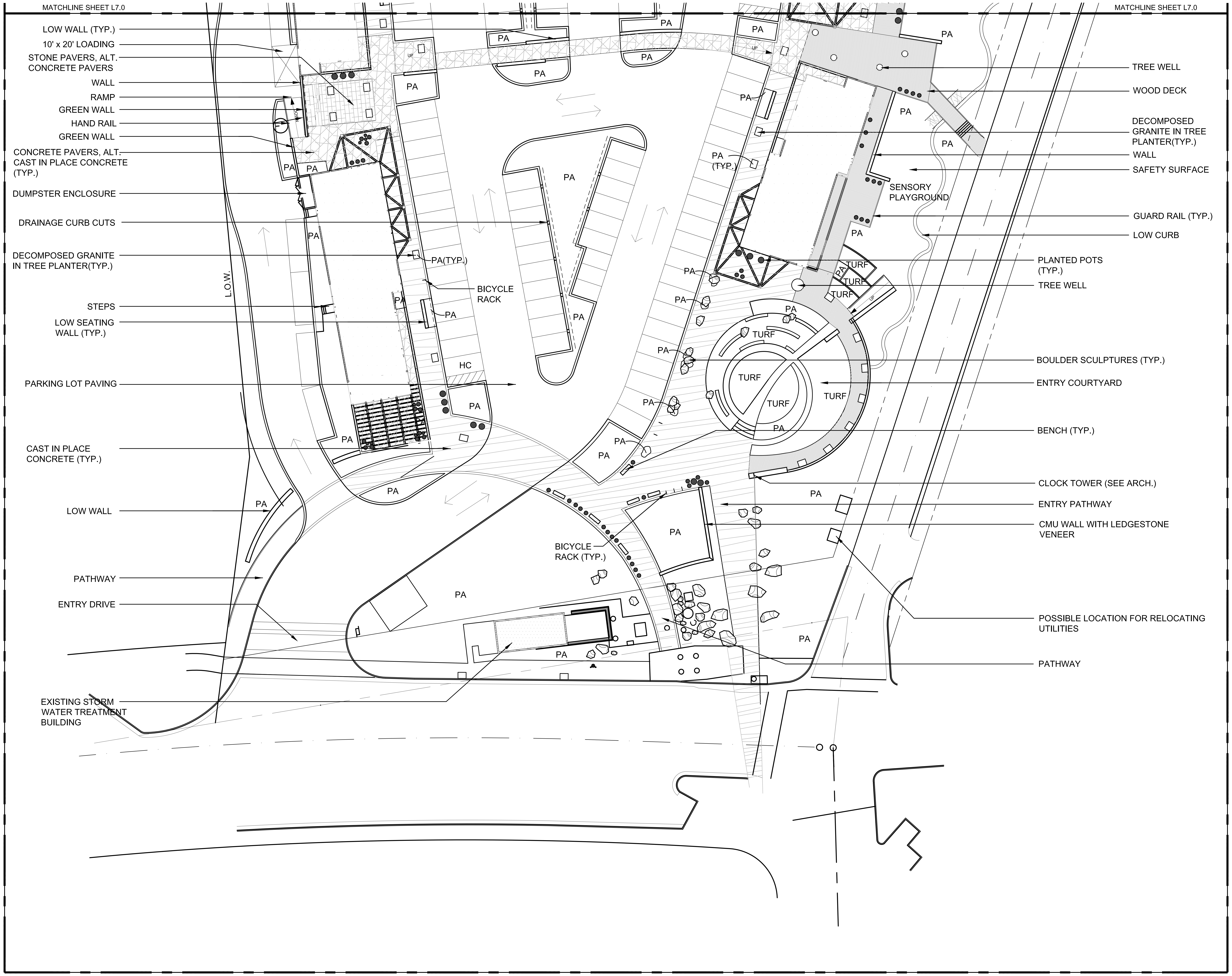
MATCHLINE SHEET L7.0
MATCHLINE SHEET L7.0
LOW WALL (TYP.)
10' x 20' LOADING
STONE PAVERS, ALT. CONCRETE PAVERS
WALL
RAMP
GREEN WALL
HAND RAIL
GREEN WALL
CONCRETE PAVERS, ALT. CAST IN PLACE CONCRETE (TYP.)
DUMPSTER ENCLOSURE
DRAINAGE CURB CUTS
DECOMPOSED GRANITE IN TREE PLANTER(TYP.)
STEPS
LOW SEATING WALL (TYP.)
PARKING LOT PAVING
CAST IN PLACE CONCRETE (TYP.)
LOW WALL
PATHWAY
ENTRY DRIVE
EXISTING STORM WATER TREATMENT BUILDING
L.O.W.
PA
PA(TYP.)
BICYCLE RACK
HC
BICYCLE RACK (TYP.)
UP
TURF
TREE WELL
WOOD DECK
DECOMPOSED GRANITE IN TREE PLANTER(TYP.)
WALL
SAFETY SURFACE
SENSORY PLAYGROUND
GUARD RAIL (TYP.)
LOW CURB
PLANTED POTS (TYP.)
TREE WELL
BOULDER SCULPTURES (TYP.)
ENTRY COURTYARD
BENCH (TYP.)
CLOCK TOWER (SEE ARCH.)
ENTRY PATHWAY
CMU WALL WITH LEDGESTONE VENEER
POSSIBLE LOCATION FOR RELOCATING UTILITIES
PATHWAY

KEY NOTES

SHEET NOTES

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0 LXXX	ELEVATION CALL-OUT
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3250
Signature
Date
Expires 4-30-

Sheet Title

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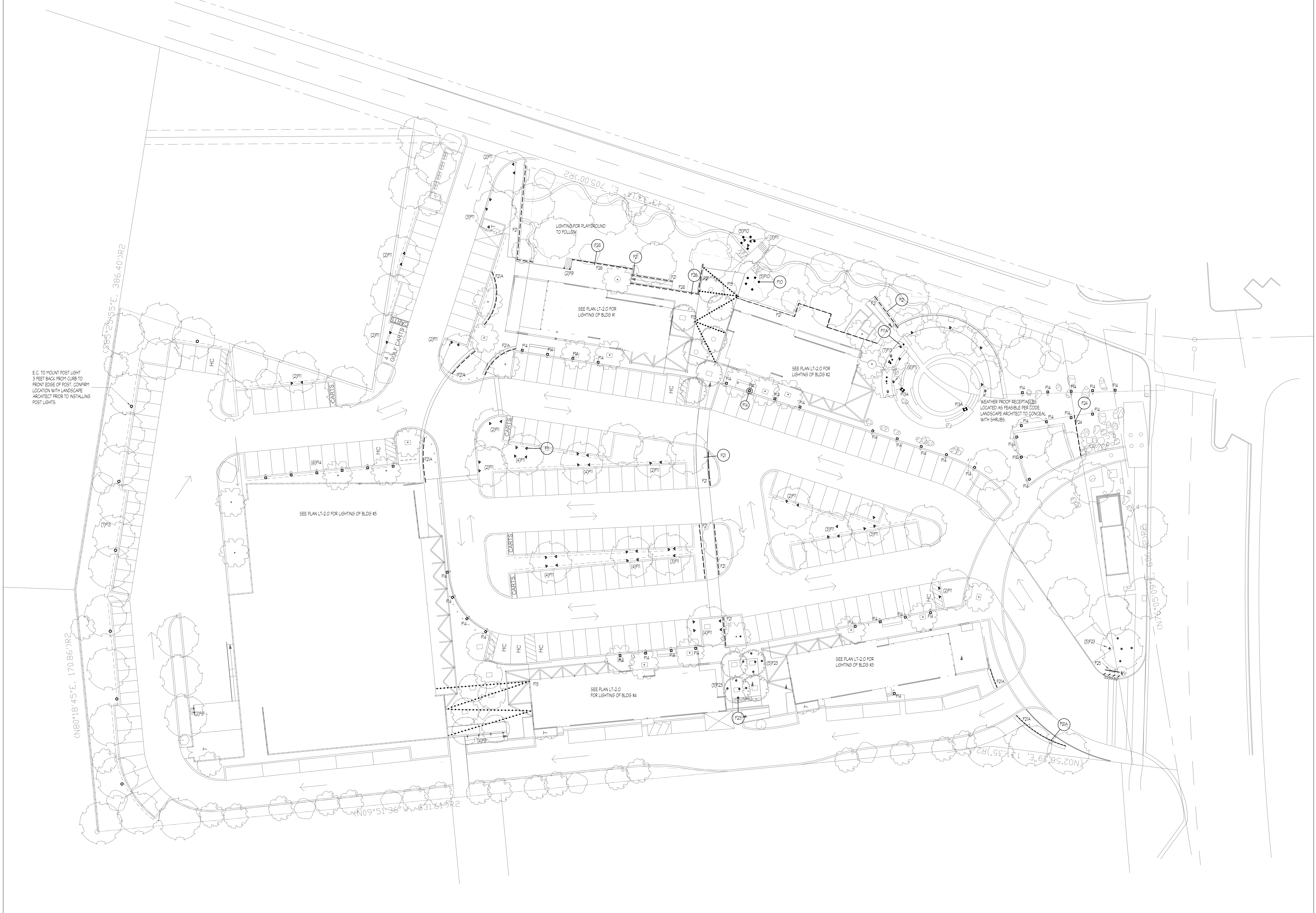
	03.04.13	Revisions

Sheet No.

L7.1

NOT FOR CONSTRUCTION


E.C. TO MOUNT POST LIGHT
3 FEET BACK FROM CURB TO
FRONT EDGE OF POST. CONFIRM
LOCATION WITH LANDSCAPE
ARCHITECT PRIOR TO INSTALLING
POST LIGHTS.
LIGHTING FOR PLAYGROUND
TO FOLLOW
SEE PLAN LT-2.0 FOR
LIGHTING OF BLDG #1
SEE PLAN LT-2.0 FOR
LIGHTING OF BLDG #2
SEE PLAN LT-2.0 FOR LIGHTING OF BLDG #5
SEE PLAN LT-2.0
FOR LIGHTING OF BLDG #4
SEE PLAN LT-2.0 FOR
LIGHTING OF BLDG #3
WEATHER PROOF RECEPTACLES
LOCATED AS FEASIBLE PER CODE.
LANDSCAPE ARCHITECT TO CONCEAL
WITH SHRUBS.
GOLF CARTS
CARTS
HC
F14
F21
F21A
F26
F10
F13A
F23
F24
F15

LIGHTVISION

ARCHITECTURAL LIGHTING DESIGN

14730 SUTTON ST SHERMAN OAKS CALIFORNIA 91403 C 310 963 0700

4625 RIST CANYON RD LAPORTE COLORADO 80535 T 970 482 0701

W W W . L I G H T V I S I O N . N E T

LEGEND

▮→	RECESSED STEP LIGHT
▷	TREE MOUNTED FLOODLIGHT
[◎]	POST W/ THEATRICAL FIXTURES
□→	BOLLARD
●	TRELLIS MOUNTED DOWNLIGHT
—•—•—•—	TREE HANGING CABLE LIGHTS
– – – –	LINEAR FIXTURE
○	POST LIGHT
⊕	HANGING LANTERN
∅	WEATHER PROOF RECEPTACLE
○	TREE HANGING LANTERNS "PINHOLES"

WHOLE FOODS IN THE PARK

22483 PACIFIC COAST HIGHWAY
MALIBU CA, 90265

SITE LIGHTING PLAN

REVISIONS

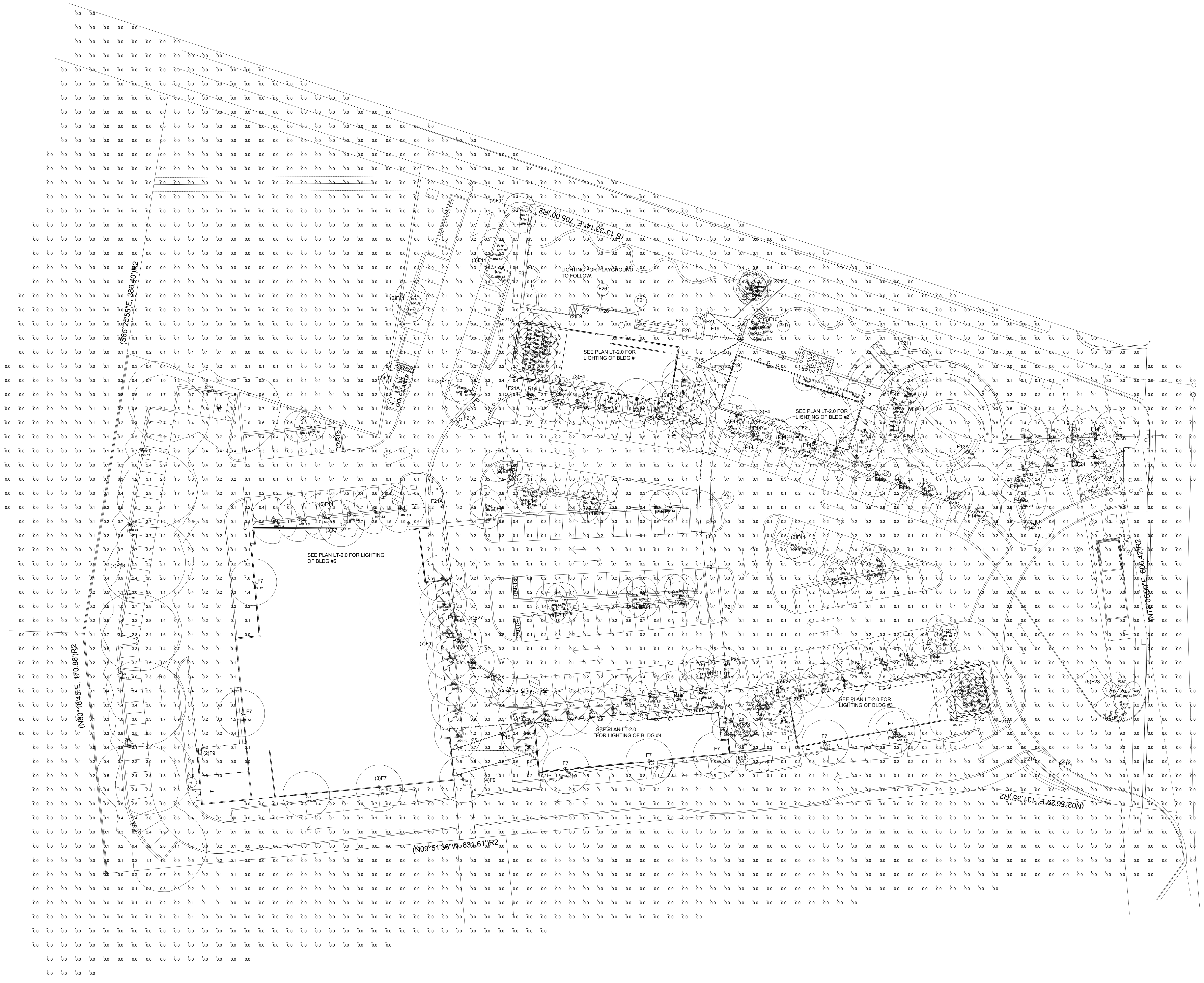
	Date
1	03.04.13
2	04.08.13

LT-1.0

Job No.

DATE
03.04.13

SCALE
1"=20'


LIGHTING FOR PLAYGROUND TO FOLLOW
SEE PLAN LT-2.0 FOR LIGHTING OF BLDG #1
SEE PLAN LT-2.0 FOR LIGHTING OF BLDG #2
SEE PLAN LT-2.0 FOR LIGHTING OF BLDG #3
SEE PLAN LT-2.0 FOR LIGHTING OF BLDG #4
SEE PLAN LT-2.0 FOR LIGHTING OF BLDG #5
(S85°25'55"E, 388.40')R2
(N60°18'45"E, 170.86')R2
(N09°51'36"W, 631.61')R2
(N02°59'29"E, 131.35')R2
(N78°50'04"E, 608.42')R2
0
30
60
90
120

PHOTOMETRIC PLAN

NO SCALE

Outdoor Luminaire Schedule

Symbol	Qty	Label	Description	Arrangement	Arm	Lumens/Lamp	LLF	Filename
—⊛	16	F1a	UCS-ANG-12LED-BW 5100K	SINGLE	2	N.A.	0.850	UCS-ANG-12LED-BW.ies
—⊛	2	F2a	UCS-ANG-12LED-BW 5100K	SINGLE	2	N.A.	0.850	UCS-ANG-12LED-BW.ies
⊛	27	F3a	20835 Q50MR16/C/NFL25°-EXZ	SINGLE	0	800	0.900	20835.ies
⊛	15	F4a	17872 50PAR30/H/FL25° 130V	SINGLE	0	610	0.900	17872.ies
⊛	26	F7b	12745 MXR70/U/PAR/FL	SINGLE	0	3700	0.720	12745.ies
⊛	10	F10d	AN30 17872 50PAR30/H/FL25° 130V	SINGLE	0	210	0.900	17872.ies
⊛	61	F11c	20835 Q50MR16/C/NFL25°-EXZ	SINGLE	0	800	0.900	20835.ies
—▭	9	F13c	AR3-120LED-4200K	SINGLE	1.5	N.A.	0.850	AR3-120L4K.IES
○	44	F14c	VBN 42	SINGLE	0	5600	0.720	VBN.IES
⊛	15	F23d	AN30 17872 50PAR30/H/FL25° 130V	SINGLE	0	210	0.900	17872.ies
—⊛	5	F27d	CGU-10-1B	SINGLE	1.5	1250	0.850	H-CGU-10-1B 42W CFL.IES

Luminaire Location Summary

LumNo	Label	X	Y	Orient	Tilt
1	F11c	6191	5406.25	0	0
2	F11c	6191.5	5400	0	0
3	F11c	6175	5381.5	0	0
4	F11c	6171.75	5375	0	0
5	F11c	6173.75	5362.5	0	0
6	F10d	6357.5	5355.25	0	0
7	F10d	6352.25	5354.75	0	0
8	F11c	6353.25	5352.75	0	0
9	F11c	6357.5	5352.25	0	0
10	F10d	6360.5	5352.25	0	0
11	F10d	6351.5	5350.5	0	0
12	F11c	6355.75	5349	0	0
13	F10d	6355.5	5346.75	0	0
14	F11c	6114	5343.5	0	0
15	F11c	6111.75	5336	0	0
16	F10d	6361	5326.5	0	0
17	F10d	6355.25	5326.25	0	0
18	F10d	6363.5	5323.5	0	0
19	F10d	6354	5322.25	0	0
20	F3a	6196.25	5321.5	0	0
21	F3a	6202.25	5320.5	0	0
22	F3a	6208	5319.5	0	0
23	F10d	6358.75	5318	0	0
24	F3a	6195.5	5315.5	0	0
25	F3a	6201.5	5314.5	0	0
26	F3a	6207.25	5313.5	0	0
27	F3a	6194.75	5309.75	0	0
28	F3a	6200.75	5308.75	0	0
29	F3a	6206.5	5307.75	0	0
30	F3a	6193.5	5303.75	0	0
31	F3a	6199.5	5302.75	0	0
32	F3a	6205.25	5301.75	0	0
33	F3a	6192.5	5297.75	0	0
34	F3a	6198.5	5296.75	0	0
35	F3a	6204.25	5295.75	0	0
36	F11c	6104.25	5287.75	0	0
37	F1a	6305.5	5285.25	355.236	0
38	F4a	6393	5285.25	0	0
39	F27d	6316.5	5282	343.74	0
40	F13c	5969	5281.5	260.949	0
41	F11c	6102.5	5281	0	0
42	F11c	6146.75	5280.75	0	0
43	F4a	6409.5	5280.25	0	0
44	F11c	6465.25	5279.75	0	0
45	F4a	6220.25	5279	0	0
46	F11c	6152.25	5278.75	0	0
47	F11c	6463	5277.75	0	0
48	F1a	6304.5	5277.25	355.236	0
49	F4a	6238.75	5276.5	0	0
50	F14c	6196.75	5275.5	0	0
51	F4a	6427.75	5274.5	0	0
52	F4a	6253.5	5273.5	0	0
53	F1a	6274.25	5272.5	258.69	0
54	F14c	6214.75	5272	0	0
55	F1a	6290	5270.5	258.69	0
56	F14c	6231.75	5269.75	0	0
57	F11c	6457	5269	0	0
58	F14c	6250.75	5266.75	0	0
59	F11c	6455.75	5266.5	0	0
60	F1a	6302.5	5266	355.236	0
61	F27d	6272.25	5264.5	263.501	0
62	F27d	6288.25	5261.75	263.29	0
63	F2a	6345.25	5261.25	248.839	0
64	F27d	6313	5258.75	351.085	0
65	F27d	6311.5	5258	261.469	0
66	F11c	6453.25	5256.75	0	0
67	F4a	6353	5255.75	0	0
68	F11c	6453	5253.5	0	0
69	F11c	6042.5	5252.75	0	0
70	F11c	6035	5252	0	0
71	F14c	6340.5	5251.75	0	0
72	F4a	6362.5	5251.75	0	0
73	F1a	6433.75	5249.5	0	0
74	F4a	6374.75	5248.25	0	0
75	F14c	6613.5	5247.5	0	0
76	F14c	6597.75	5247.25	0	0
77	F14c	6356.5	5247	0	0
78	F13c	6462.75	5247	169.271	0
79	F14c	6583	5246.75	0	0
80	F2a	6388.75	5246.5	251.565	0
81	F14c	6566.25	5246	0	0
82	F14c	6548.5	5245.5	0	0
83	F1a	6431.25	5241.75	0	0
84	F14c	6374.25	5241	0	0
85	F1a	6398	5240.75	0	0
86	F13c	5922.5	5236.25	350.707	0
87	F1a	6413	5236.25	0	0
88	F14c	6392	5235.5	0	0
89	F13c	6508.5	5234	71.565	0
90	F1a	6427.75	5231.25	0	0
91	F14c	6597.75	5230.75	0	0
92	F14c	6582.5	5228.25	0	0
93	F11c	6182.25	5225.25	0	0
94	F14c	6565.25	5225.25	0	0
95	F11c	6175.25	5224	0	0
96	F14c	6547.75	5222.25	0	0
97	F14c	6443.25	5218.75	0	0
98	F14c	6544.25	5214.5	0	0
99	F14c	6460.5	5213	0	0
100	F14c	6477.5	5207.75	0	0
101	F11c	6193.25	5207.25	0	0
102	F11c	6199.75	5206.75	0	0
103	F11c	6235.75	5202.5	0	0
104	F14c	6495.25	5202	0	0
105	F11c	6242.25	5201.75	0	0
106	F11c	6192	5201.25	0	0
107	F11c	6199.5	5200.5	0	0
108	F14c	6547.5	5200.25	0	0
109	F11c	6166.75	5197	0	0
110	F11c	6294.25	5196.5	0	0
111	F11c	6287	5196	0	0
112	F11c	6236.5	5195	0	0
113	F11c	6244.25	5194.5	0	0
114	F14c	6106.5	5193.5	0	0
115	F14c	6515	5193	0	0

Luminaire Location Summary

LumNo	Label	X	Y	Orient	Tilt
116	F14c	6088.5	5192.5	0	0
117	F11c	6167.25	5190.5	0	0
118	F14c	6070.25	5190.25	0	0
119	F14c	6052.25	5188.5	0	0
120	F14c	6034.75	5187	0	0
121	F14c	6016.5	5185.5	0	0
122	F14c	6553.25	5184.25	0	0
123	F7b	6064.5	5183.5	0	0
124	F13c	5913.75	5183.25	350.707	0
125	F11c	6383.25	5169.25	0	0
126	F11c	6390.75	5166.5	0	0
127	F11c	6444	5157.75	0	0
128	F11c	6418.25	5152.25	0	0
129	F11c	6444.75	5151.75	0	0
130	F11c	6437.25	5150.75	0	0
131	F11c	6419	5145.25	0	0
132	F7b	6135.5	5144.5	0	0
133	F11c	6412.25	5144.5	0	0
134	F7b	6002.25	5141.75	0	0
135	F11c	6304.5	5136.5	0	0
136	F11c	6299	5136.25	0	0
137	F13c	5911.25	5134.75	350.707	0
138	F11c	6277.5	5134.25	0	0
139	F11c	6270.75	5133.75	0	0
140	F11c	6304.25	5131	0	0
141	F11c	6220.75	5130.5	0	0
142	F11c	6213.5	5130	0	0
143	F11c	6278.25	5127.75	0	0
144	F11c	6270.75	5127.5	0	0
145	F7b	6136.75	5126.5	0	0
146	F11c	6214	5123.75	0	0
147	F11c	6221.75	5123.75	0	0
148	F14c	6144	5119	0	0
149	F11c	6490.5	5107.75	0	0
150	F7b	6139.5	5107.25	0	0
151	F11c	6490.75	5102	0	0
152	F14c	6147.25	5101	0	0
153	F14c	6484	5090.25	0	0
154	F7b	6141.5	5089	0	0
155	F14c	6466	5087.5	0	0
156	F14c	6156.25	5085.5	0	0
157	F11c	6318	5084.5	0	0
158	F11c	6335.75	5084.5	0	0
159	F14c	6448.25	5084.25	0	0
160	F14c	6431	5081.5	0	0
161	F11c	6335.75	5078.75	0	0
162	F13c	5907.5	5078.25	5.451	0
163	F11c	6318.75	5078	0	0
164	F14c	6170.5	5076.5	0	0
165	F3a	6514.25	5074.5	0	0
166	F1a	6420.25	5073.5	290.556	0
167	F3a	6508.25	5073.25	0	0
168	F23d	6615	5072.75	0	0
169	F3a	6502.5	5072	0	0
170	F7b	6143	5070.75	0	0
171	F1a	6405	5070.5	290.556	0
172	F3a	6515.5	5068.75	0	0
173	F3a	6509.5	5067.5	0	0
174	F1a	6389.25	5066.25	290.556	0
175	F3a	6503.75	5066.25	0	0
176	F23d	6625.5	5066	0	0
177	F23d	6609.75	5065.75	0	0
178	F23d	6618.25	5065.5	0	0
179	F1a	6372.5	5065.25	290.556	0
180	F14c	6319.75	5064.25	0	0
181	F3a	6516.5	5062.75	0	0
182	F14c	6302	5062.5	0	0
183	F23d	6357.75	5062.25	0	0
184	F14c	6283.5	5061.5	0	0
185	F3a	6510.5	5061.5	0	0
186	F3a	6504.75	5060.25	0	0
187	F14c	6265.75	5060	0	0
188	F23d	6365.5	5057	0	0
189	F3a	6517.25	5057	0	0
190	F4a	6328.25	5056.75	0	0
191	F23d	6617.25	5056.75	0	0
192	F23d	6351.75	5056.25	0	0
193	F23d	6360.75	5056.25	0	0
194	F3a	6511.25	5055.75	0	0
195	F4a	6309.75	5055.25	0	0
196	F3a	6505.5	5054.5	0	0
197	F4a	6293.5	5053.75	0	0
198	F7b	6256.5	5053	0	0
199	F7b	6145	5052.75	0	0
200	F4a	6275	5051.75	0	0
201	F7b	6241	5050.75	0	0
202	F1a	6377.75	5050.75	190.235	0
203	F7b	6224.5	5049.5	0	0
204	F23d	6359.5	5049.25	0	0
205	F7b	5993.75	5048.75	0	0
206	F7b	6209	5048.5	0	0
207	F7b	6192.25	5046.75	0	0
208	F4a	6334.75	5046.75	0	0
209	F7b	6497.75	5044.75	0	0
210	F1a	6379	5043.75	190.235	0
211	F23d	6347.25	5043.25	0	0
212	F23d	6341.25	5037.75	0	0
213	F23d	6354.25	5037.75	0	0
214	F4a	6335.5	5037.5	0	0
215	F23d	6349.5	5037.25	0	0
216	F7b	6454.5	5036.5	0	0
217	F7b	6194.5	5035.75	0	0
218	F14c	6458.5	5034	0	0
219	F7b	6147.25	5033.75	0	0
220	F23d	6348.75	5031	0	0
221	F13c	5912.25	5030.25	5.451	0
222	F7b	6407.5	5027.75	0	0
223	F7b	6194.75	5027.25	0	0
224	F7b	6330.5	5019	0	0
225	F7b	6282.75	5014.25	0	0
226	F7b	6223.75	5008.5	0	0
227	F7b	6150.75	5002.25	0	0
228	F7b	6091.5	4995.75	0	0
229	F7b	6039.75	4991	0	0
230	F13c	5916	4970.25	22.527	0

TOTAL LIGHTING CONCEPTS
733 E. SAN BERNARDINO RD. COVINA, CA. 91723
PH# 626-966-1611, FAX 622-332-5026 www.tlcca.com

PROJECT:
Whole Foods Malibu

CLIENT:
XXX

SCALE: FEET
FILE: tlc whole foods 00.adm
DATE: 04/10/2013
SALES PERSON: Bob Mitchell

THESE DRAWINGS ARE FOR CONCEPTUAL USE ONLY AND ARE NOT INTENDED FOR CONSTRUCTION. VALUES REPRESENTED ARE AN APPROXIMATON GENERATED FORM DATA SUPPLIED BY LAMP MFG. AND TESTING LABS.

LIGHTVISION
ARCHITECTURAL LIGHTING DESIGN
14730 SUTTON ST SHERMAN OAKS CALIFORNIA 91403 C 310 963 0700
4625 RIST CANYON RD LAPORTE COLORADO 80535 T 970 482 0701
WWW.LIGHTVISION.NET

WHOLE FOODS
IN THE PARK
22483 PACIFIC COAST HIGHWAY
MALIBU CA, 90265

PHOTOMETRIC
PLAN

REVISIONS

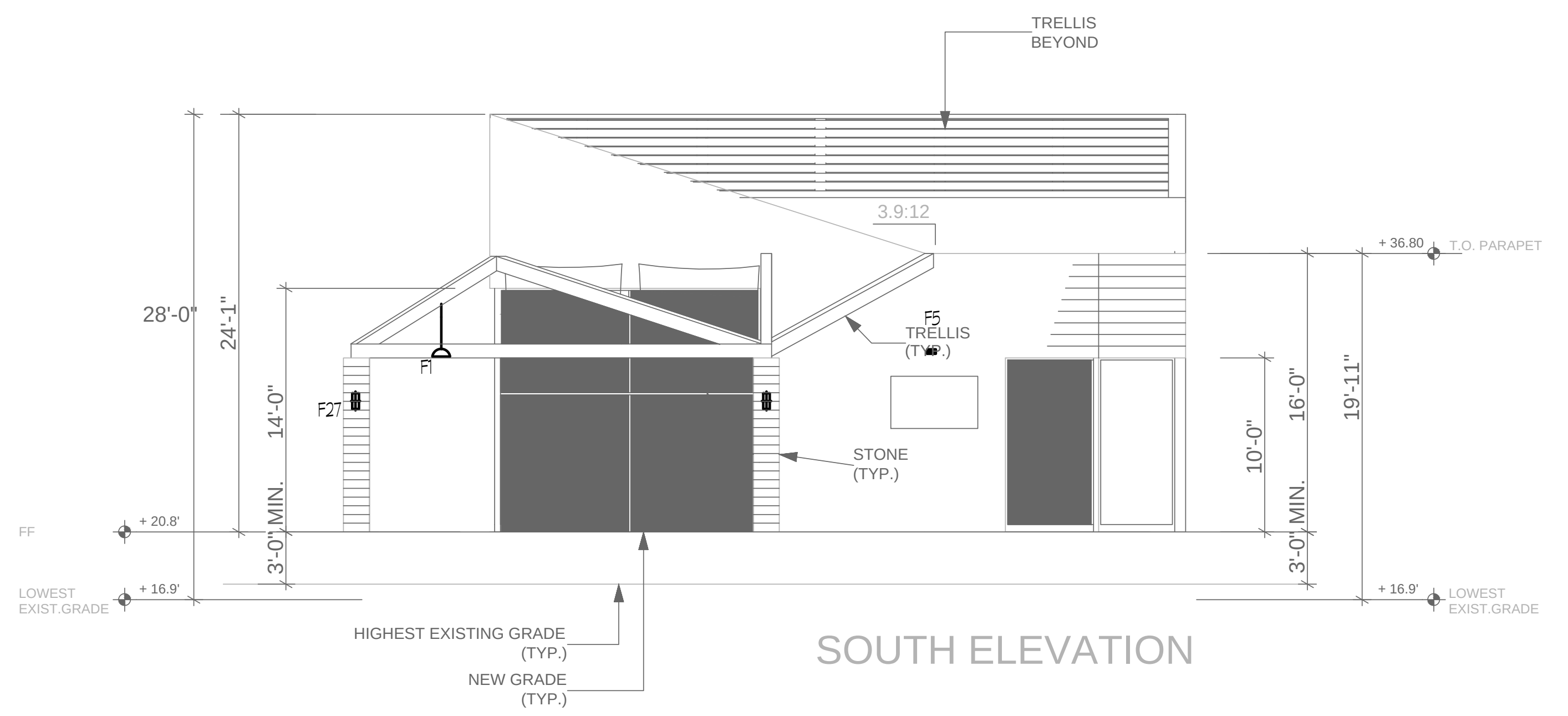
	Date
△1	03.04.13
△2	04.08.13
△	
△	

LT-1.1

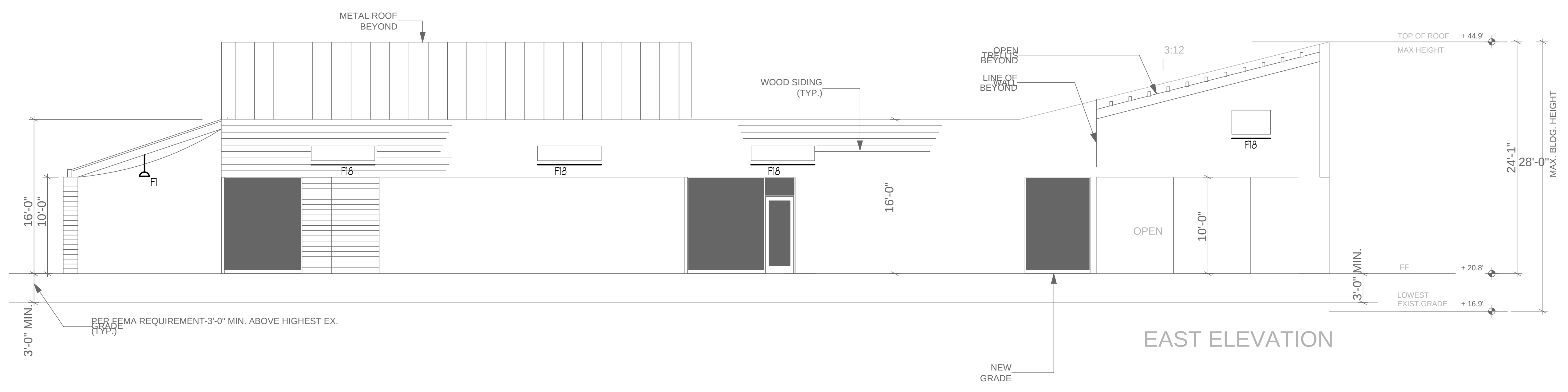
Job No.

DATE
03.04.13

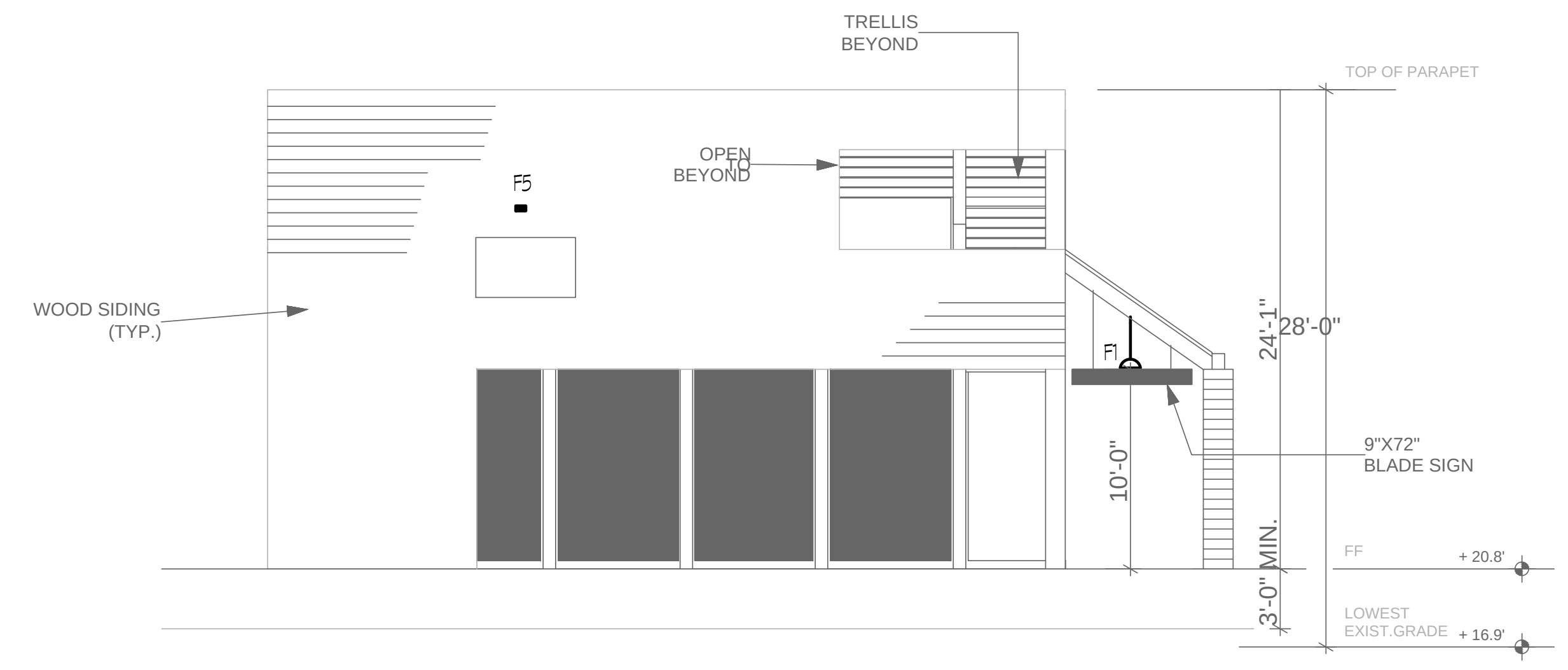
SCALE


TRELLIS
BEYOND
3.9:12
+ 36.80
T.O. PARAPET
28'-0"
24'-1"
14'-0"
TRELLIS
(TYP.)
F1
F2
STONE
(TYP.)
FF
+ 20.8'
3'-0" MIN.
10'-0"
16'-0"
19'-11"
3'-0" MIN.
LOWEST
EXIST.GRADE
+ 16.9'
HIGHEST EXISTING GRADE
(TYP.)
NEW GRADE
(TYP.)

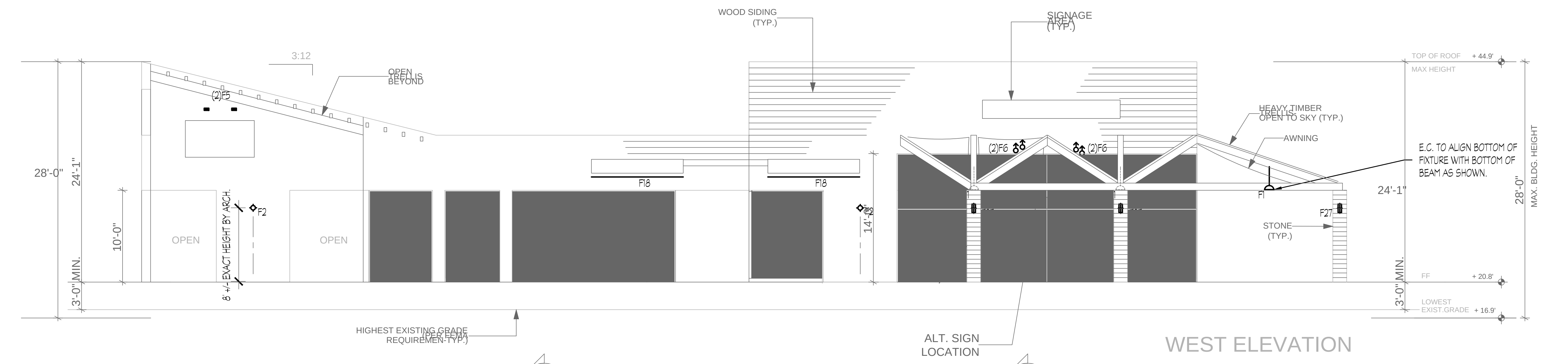
SOUTH ELEVATION


METAL ROOF
BEYOND
WOOD SIDING
(TYP.)
OPEN
TRELLIS
BEYOND
LINE OF
BEYOND
3:12
TOP OF ROOF
+ 44.9'
MAX HEIGHT
F1
F8
16'-0"
10'-0"
16'-0"
10'-0"
OPEN
24'-1"
28'-0"
MAX. BLDG. HEIGHT
3'-0" MIN.
FF
+ 20.8'
LOWEST
EXIST.GRADE
+ 16.8'
3'-0" MIN.
PER FEMA REQUIREMENT-3'-0" MIN. ABOVE HIGHEST EX.
(TYP.)
NEW
GRADE

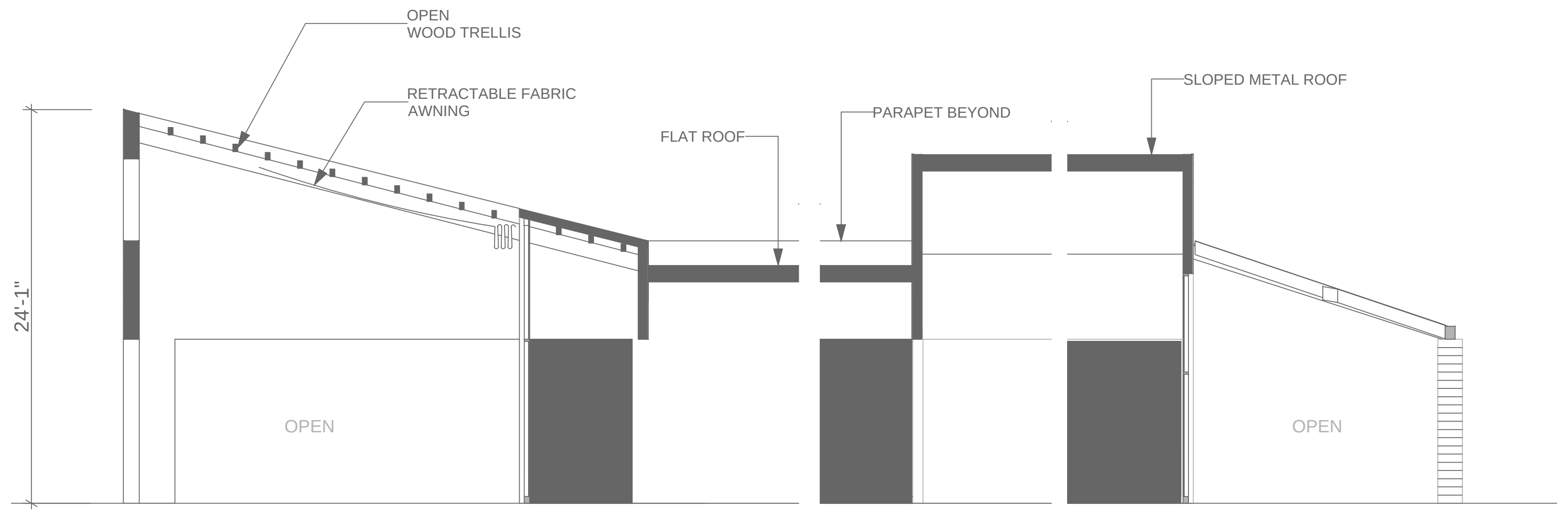
EAST ELEVATION


TRELLIS
BEYOND
TOP OF PARAPET
OPEN
BEYOND
F1
WOOD SIDING
(TYP.)
24'-1"
28'-0"
9"X72"
BLADE SIGN
10'-0"
3'-0" MIN.
FF
+ 20.8'
LOWEST
EXIST.GRADE
+ 16.9'

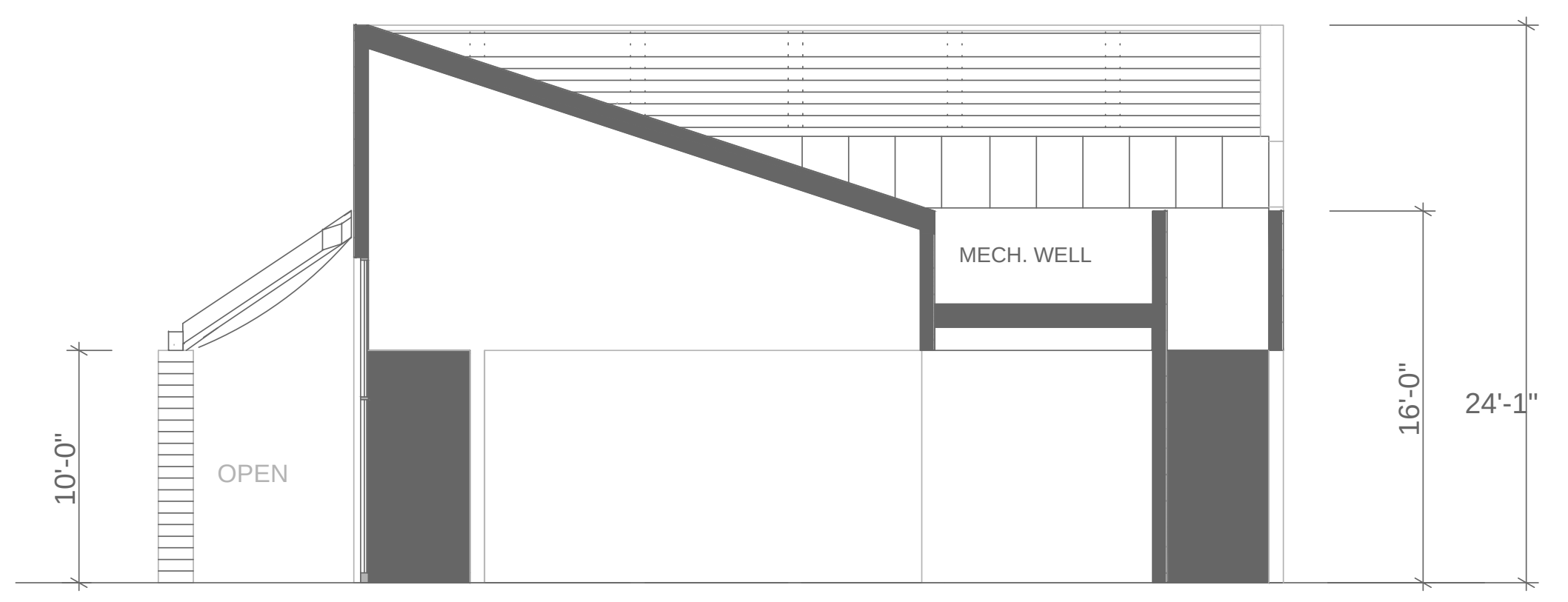
NORTH ELEVATION


WOOD SIDING
(TYP.)
SIGNAGE
(TYP.)
3:12
OPEN
TRELLIS
BEYOND
(2)F5
28'-0"
24'-1"
10'-0"
3'-0" MIN.
OPEN
OPEN
8'-0" EXACT HEIGHT BY ARCH.
F2
F8
F8
F8
14'-0"
(2)F6
(2)F6
HEAVY TIMBER
OPEN TO SKY (TYP.)
AWNING
F1
E.C. TO ALIGN BOTTOM OF
FIXTURE WITH BOTTOM OF
BEAM AS SHOWN.
24'-1"
F2
STONE
(TYP.)
TOP OF ROOF
+ 44.9'
MAX HEIGHT
28'-0"
MAX. BLDG. HEIGHT
FF
+ 20.8'
3'-0" MIN.
LOWEST
EXIST.GRADE
+ 16.9'
HIGHEST EXISTING GRADE
REQUIREMENT (TYP.)
ALT. SIGN
LOCATION

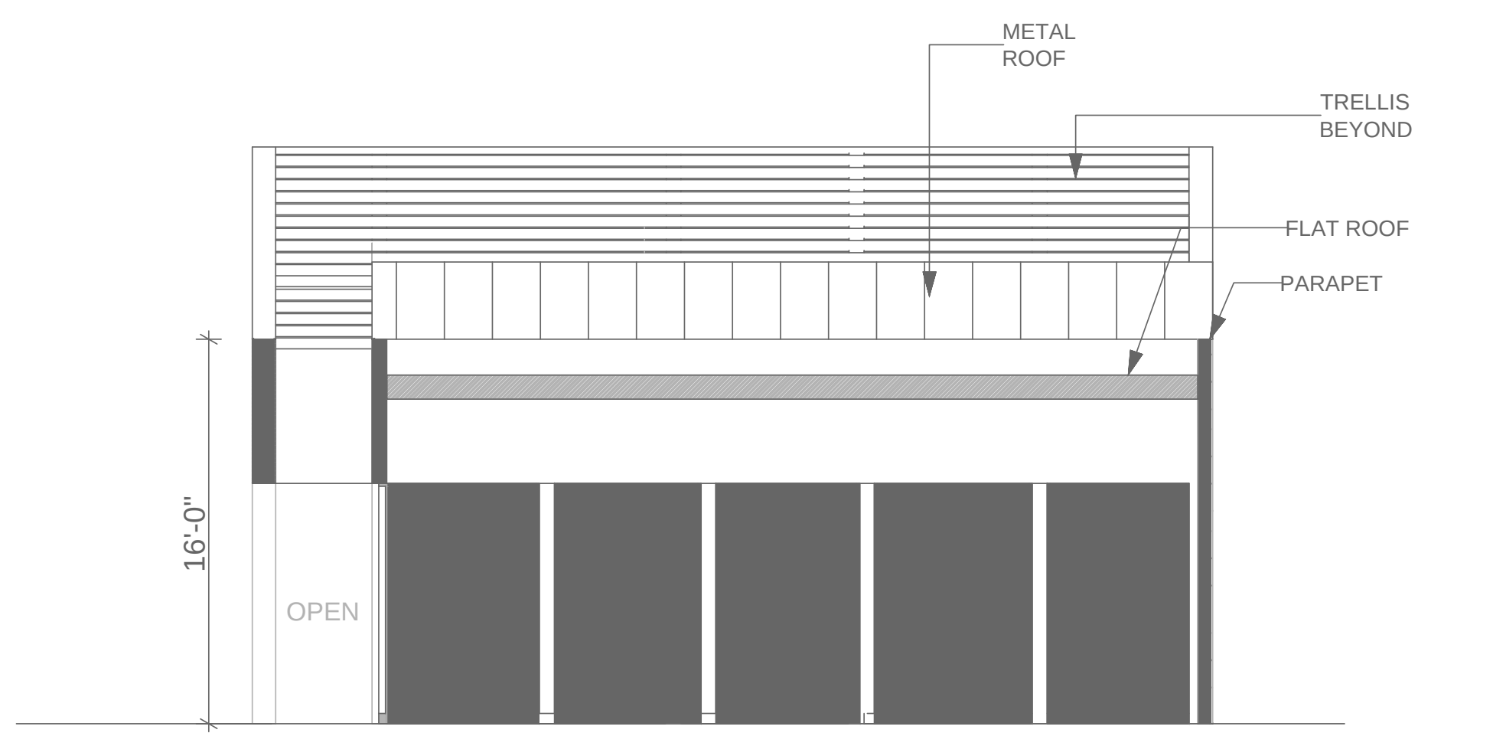
WEST ELEVATION


OPEN
WOOD TRELLIS
RETRACTABLE FABRIC
AWNING
FLAT ROOF
PARAPET BEYOND
SLOPED METAL ROOF
24'-1"
OPEN
OPEN

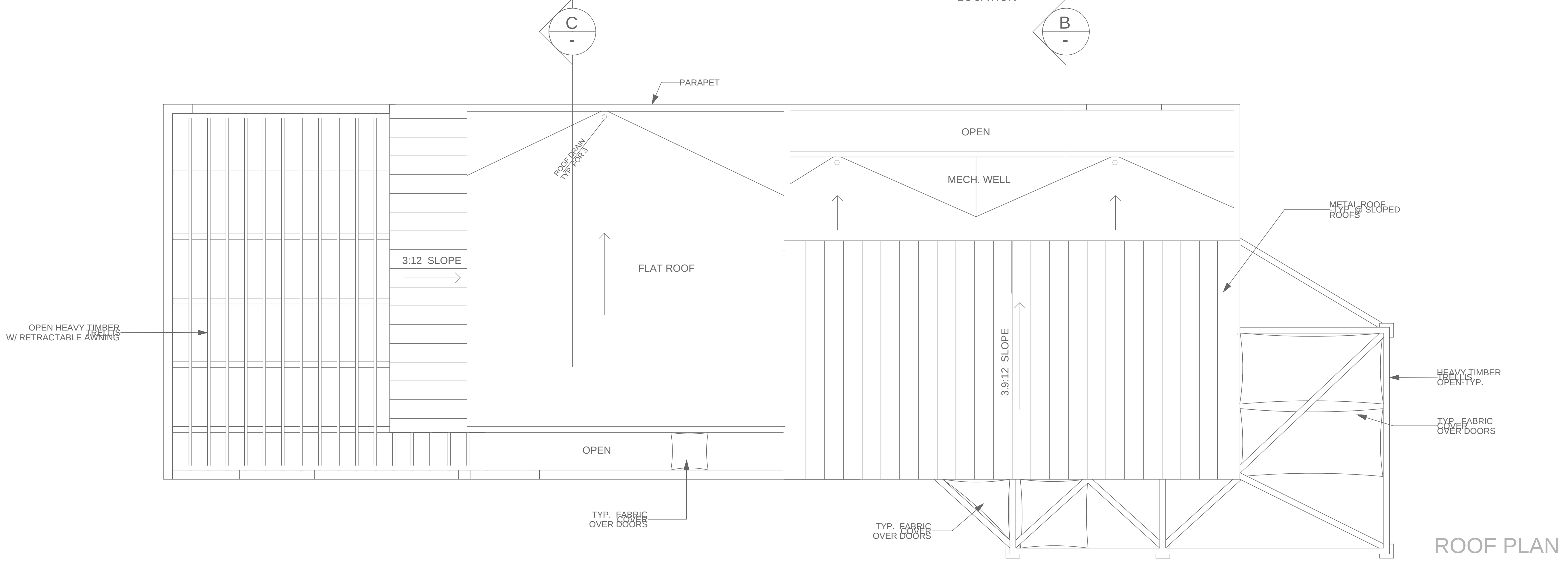
SECTION - A


MECH. WELL
OPEN
10'-0"
16'-0"
24'-1"

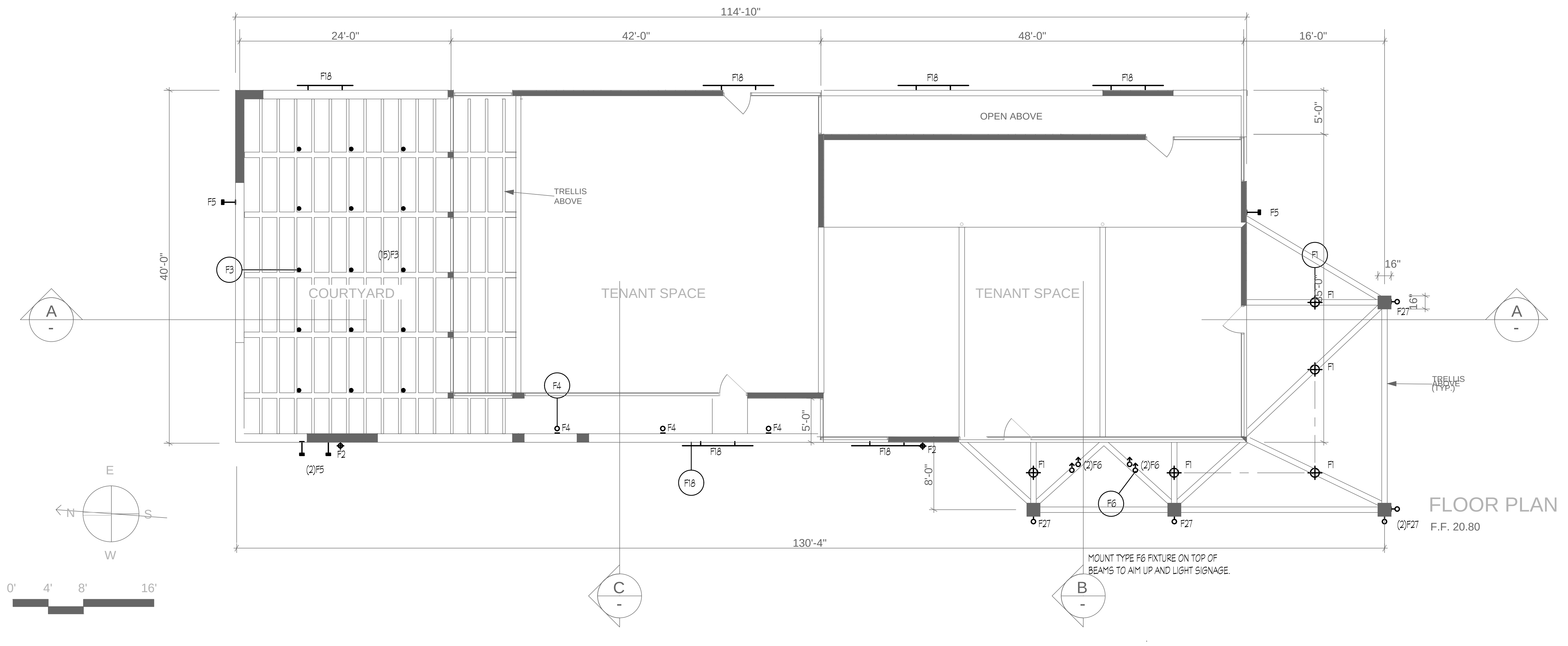
SECTION - B


METAL
ROOF
TRELLIS
BEYOND
FLAT ROOF
PARAPET
16'-0"
OPEN

SECTION - C


C
-
B
-
PARAPET
OPEN
MECH. WELL
3:12 SLOPE
FLAT ROOF
METAL ROOF
3.9:12 SLOPE
OPEN HEAVY TIMBER
W/ RETRACTABLE AWNING
HEAVY TIMBER
OPEN TYP.
TYP. FABRIC
OVER DOORS
OPEN
TYP. FABRIC
OVER DOORS
TYP. FABRIC
OVER DOORS

ROOF PLAN


114'-10"
24'-0"
42'-0"
48'-0"
16'-0"
F8
F8
F8
F8
OPEN ABOVE
5'-0"
F5
F5
TRELLIS
ABOVE
40'-0"
F3
(6)F3
COURTYARD
TENANT SPACE
TENANT SPACE
A
-
A
-
F1
16"
F2
F1
F1
F1
TRELLIS
(TYP.)
F4
F4
F4
F4
5'-0"
F8
F8
F2
(2)F5
F2
F8
(2)F6
(2)F6
F6
8'-0"
F2
F2
(2)F2
130'-4"
C
-
B
-
MOUNT TYPE F6 FIXTURE ON TOP OF
BEAMS TO AIM UP AND LIGHT SIGNAGE.

FLOOR PLAN

F.F. 20.80

E
N
S
W
0'
4'
8'
16'

LIGHTVISION
ARCHITECTURAL LIGHTING DESIGN
14730 SUTTON ST SHERMAN OAKS CA LIFORNIA 91403 C 310 963 0700
4625 RIST CANYON RD LAPORTE COLORADO 80535 T 970 482 0701
W W W . L I G H T V I S I O N . N E T

LEGEND

PLAN ELEVATION

- ⌖ PENDANT
- ◇ WALL MOUNTED FLOODLIGHT
- ● TRELLIS MOUNTED DOWNLIGHT
- ○ WALL MOUNTED DOWNLIGHT
- ▬ WALL MOUNTED SIGN LIGHT
- ○→ BEAM MOUNTED LIGHT
- ▲ WALL MOUNTED FLOOD LIGHT
- ── LINEAR SIGN LIGHT
- ○ SCONCE

WHOLE FOODS
IN THE PARK

22483 PACIFIC COAST HIGHWAY
MALIBU CA, 90265

BLDG 1 -
LIGHTING PLAN
& ELEVATIONS

REVISIONS

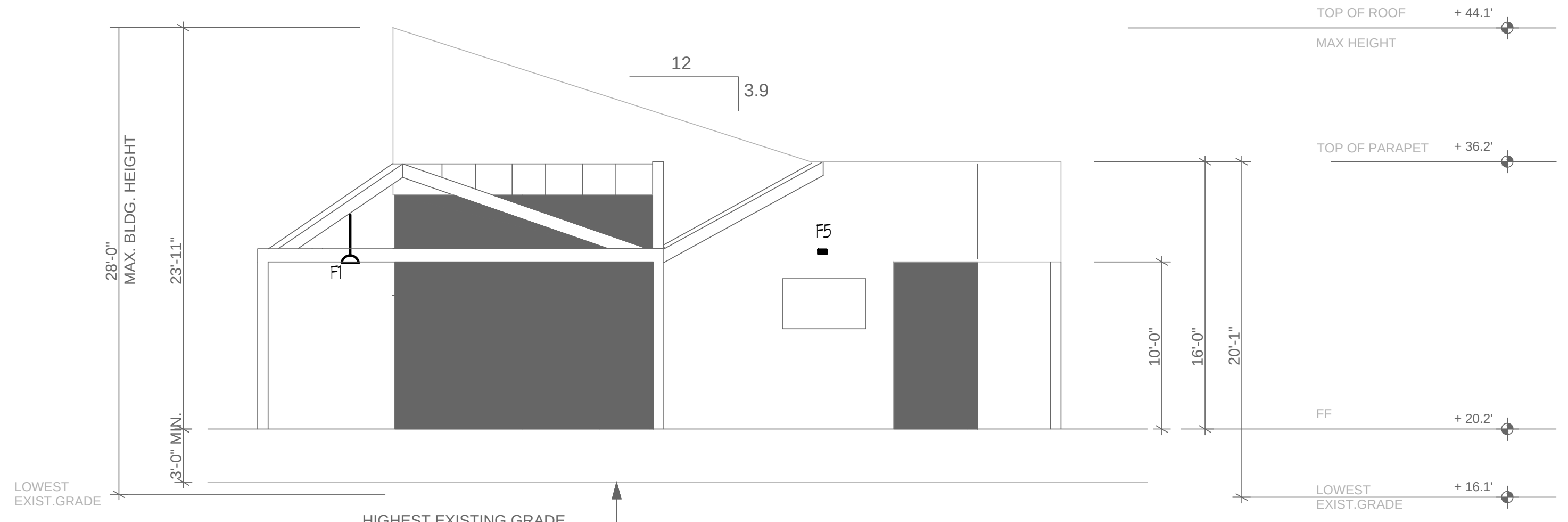
	Date
△1	03.04.13
△2	04.08.13
△	
△	

LT-2.0

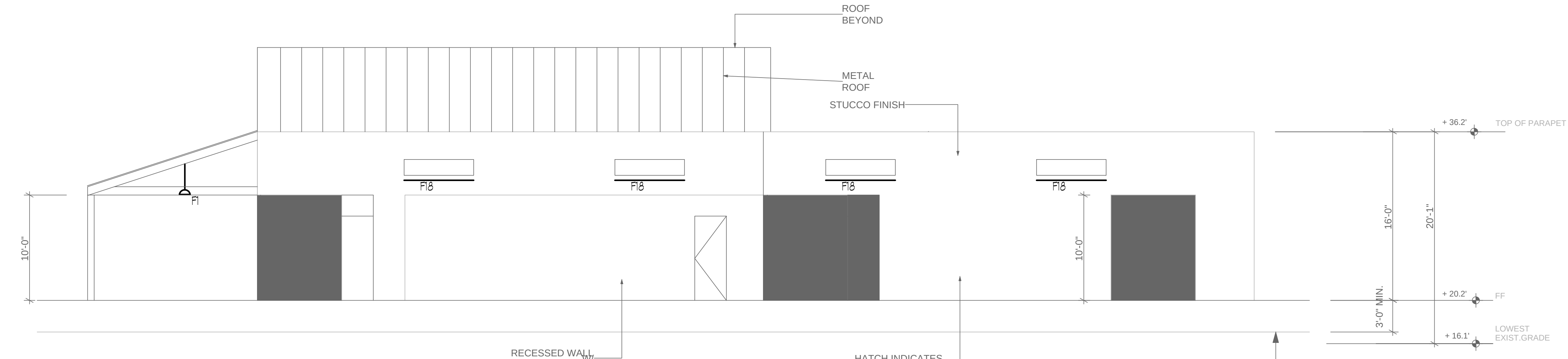
Job No.

DATE
6.2510

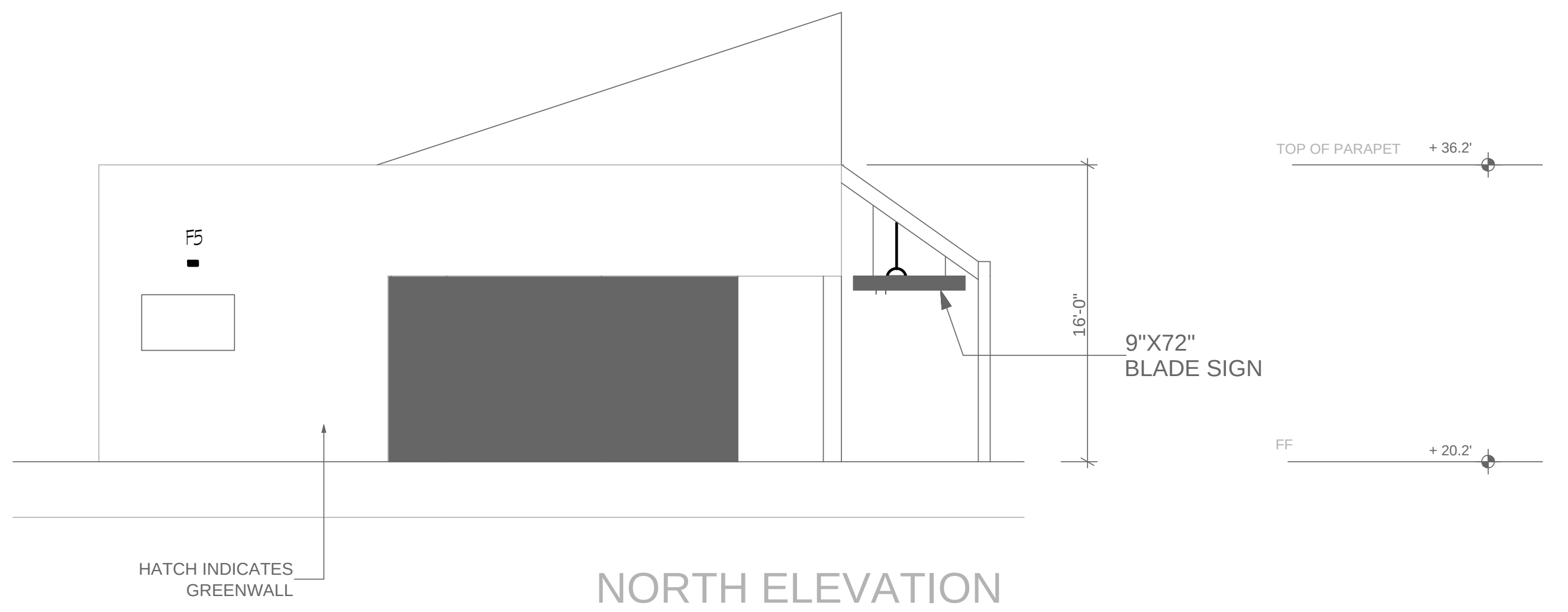
SCALE
1/8" = 1'-0"


12
3.9
28'-0"
MAX. BLDG. HEIGHT
23'-11"
3'-0" MIN.
F1
F5
10'-0"
16'-0"
20'-1"
TOP OF ROOF + 44.1'
MAX HEIGHT
TOP OF PARAPET + 36.2'
FF + 20.2'
LOWEST EXIST.GRADE + 16.1'
LOWEST EXIST.GRADE
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)

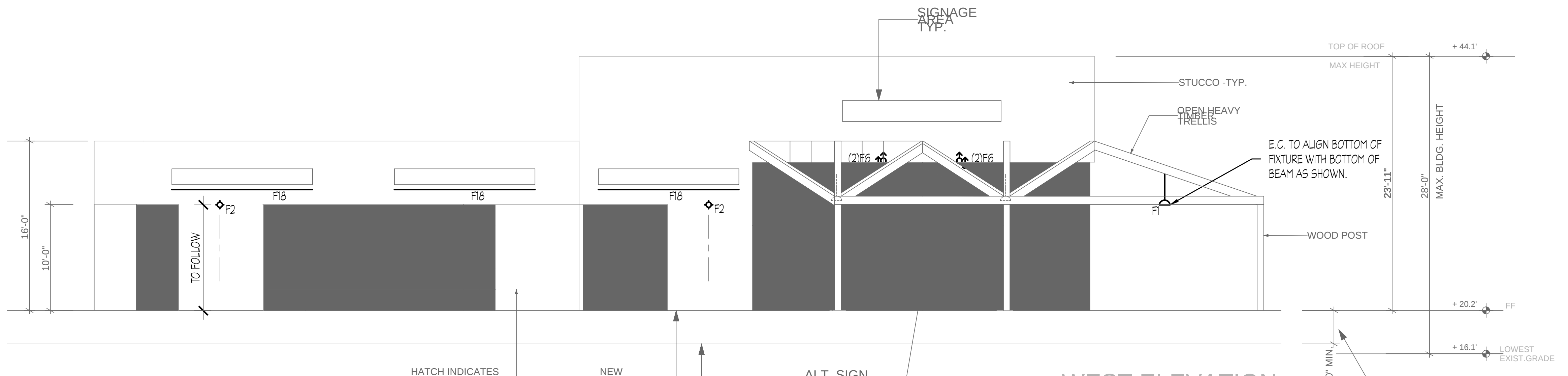
SOUTH ELEVATION


ROOF BEYOND
METAL ROOF
STUCCO FINISH
F1
F18
F18
F18
F18
10'-0"
10'-0"
16'-0"
20'-1"
3'-0" MIN.
+ 36.2' TOP OF PARAPET
+ 20.2' FF
+ 16.1' LOWEST EXIST.GRADE
RECESSED WALL W/ GREENWALL
HATCH INDICATES GREENWALL
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)

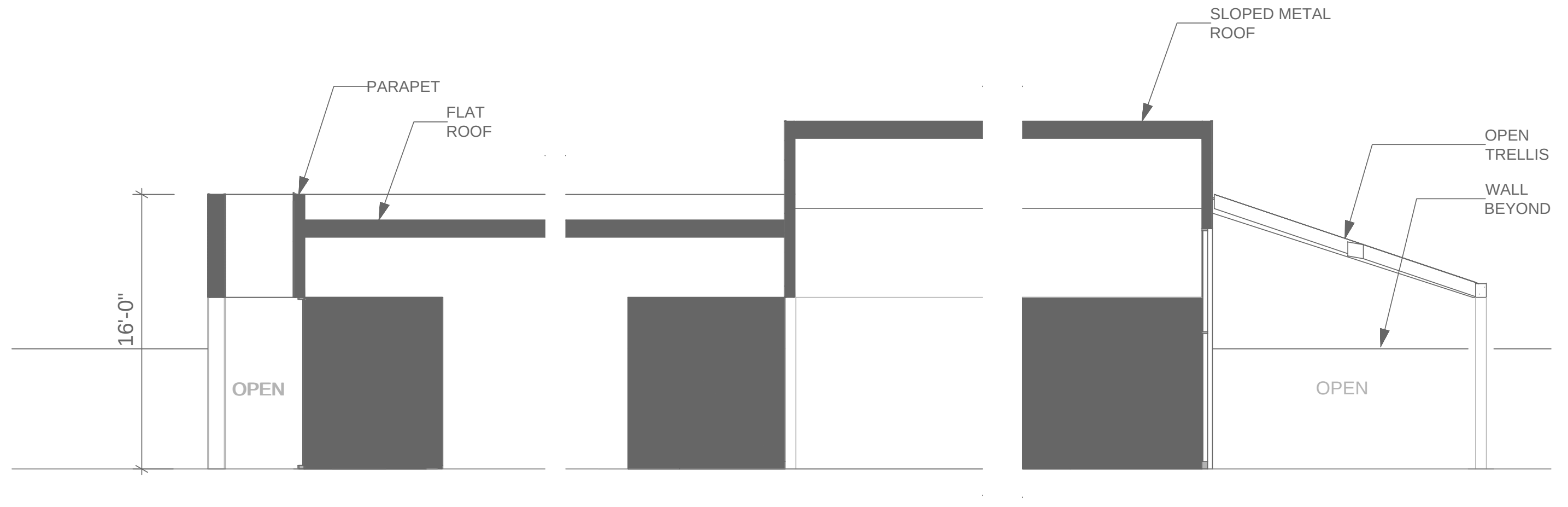
EAST ELEVATION


F5
TOP OF PARAPET + 36.2'
FF + 20.2'
16'-0"
9"X72" BLADE SIGN
HATCH INDICATES GREENWALL

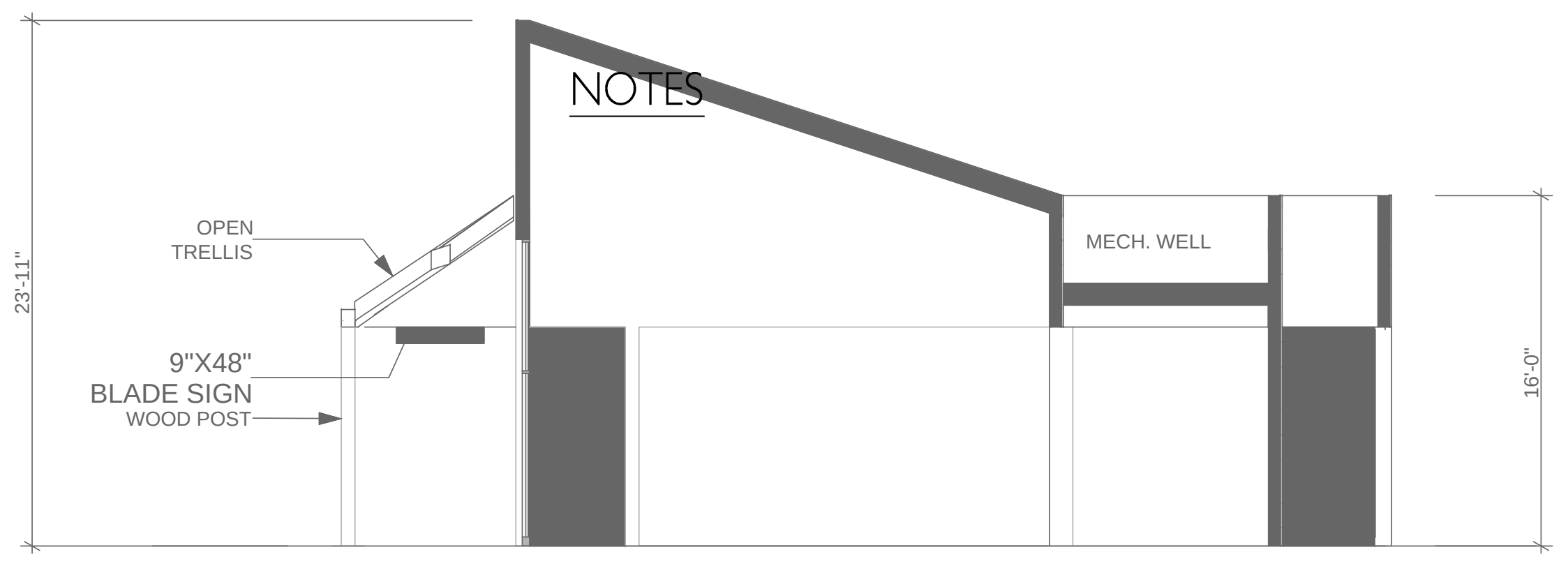
NORTH ELEVATION


SIGNAGE AREA TYP.
STUCCO -TYP.
OPEN HEAVY TIMBER TRELLIS
E.C. TO ALIGN BOTTOM OF FIXTURE WITH BOTTOM OF BEAM AS SHOWN.
WOOD POST
TOP OF ROOF + 44.1'
MAX HEIGHT
23'-11"
28'-0"
MAX. BLDG. HEIGHT
FF + 20.2'
LOWEST EXIST.GRADE + 16.1'
3'-0" MIN.
PER FEMA REQUIREMENT (TYP.)
16'-0"
10'-0"
TO FOLLOW
F2
F18
F18
F18
F2
(2)F6
(2)F6
F1
HATCH INDICATES GREENWALL
NEW GRADE
HIGHEST EXISTING GRADE (PER FEMA REQUIREMEN-TYP.)
ALT. SIGN LOCATION

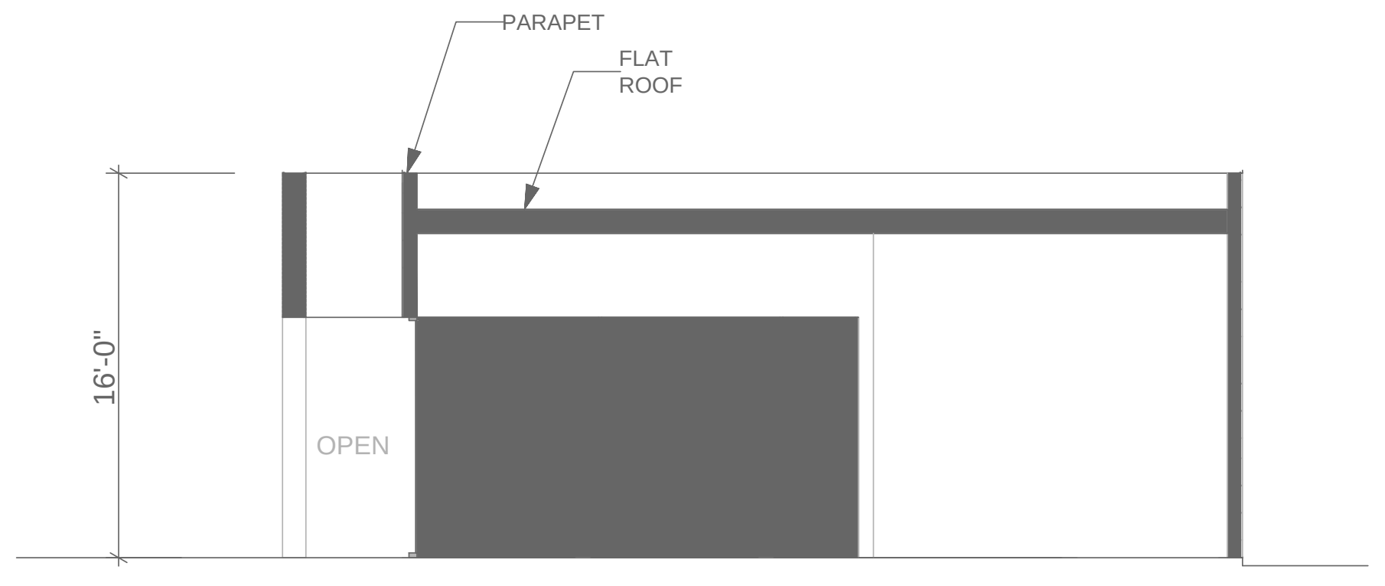
WEST ELEVATION


PARAPET
FLAT ROOF
SLOPED METAL ROOF
OPEN TRELLIS
WALL BEYOND
16'-0"
OPEN
OPEN

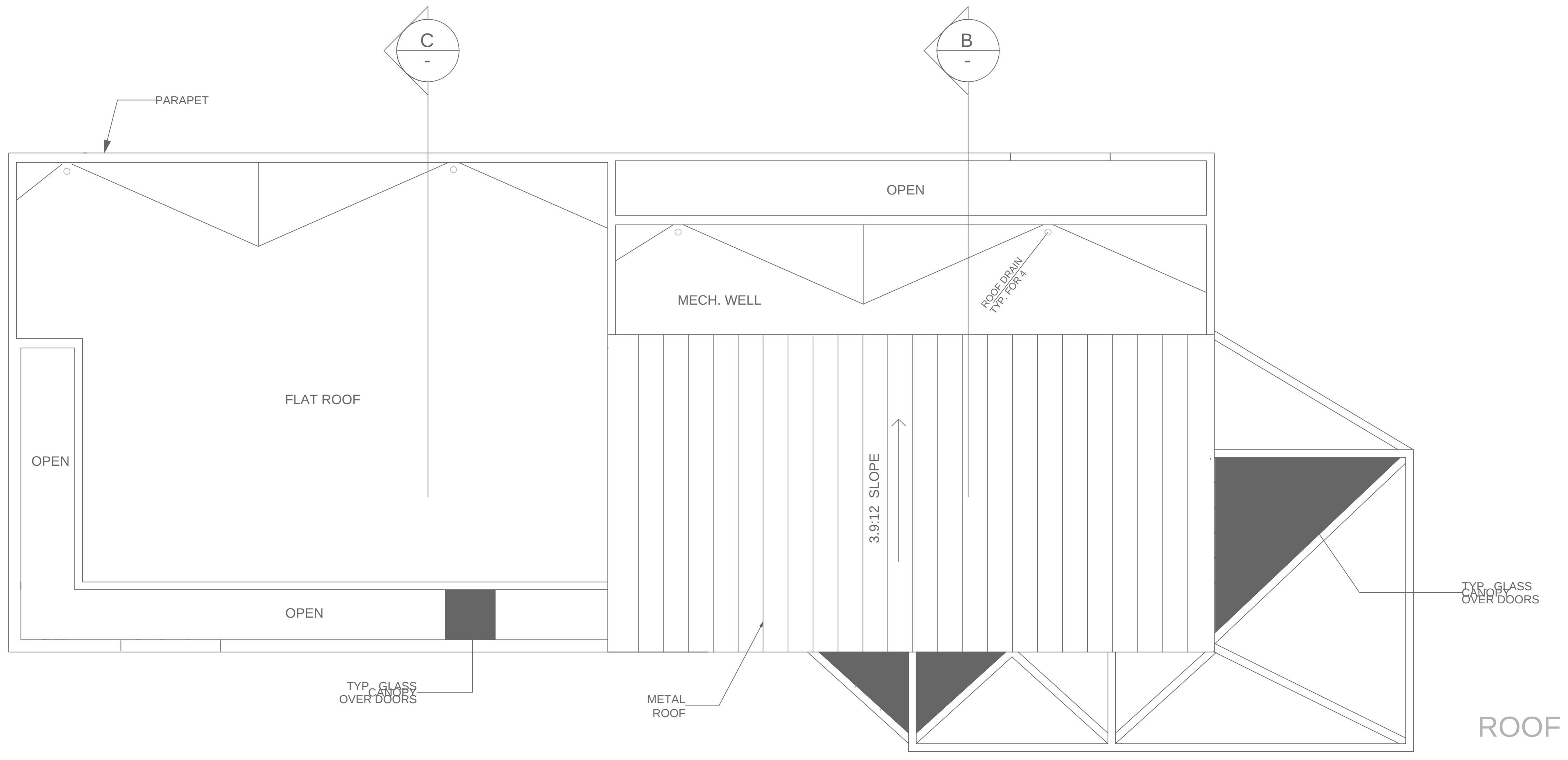
SECTION - A


NOTES
OPEN TRELLIS
9"X48" BLADE SIGN
WOOD POST
MECH. WELL
23'-11"
16'-0"

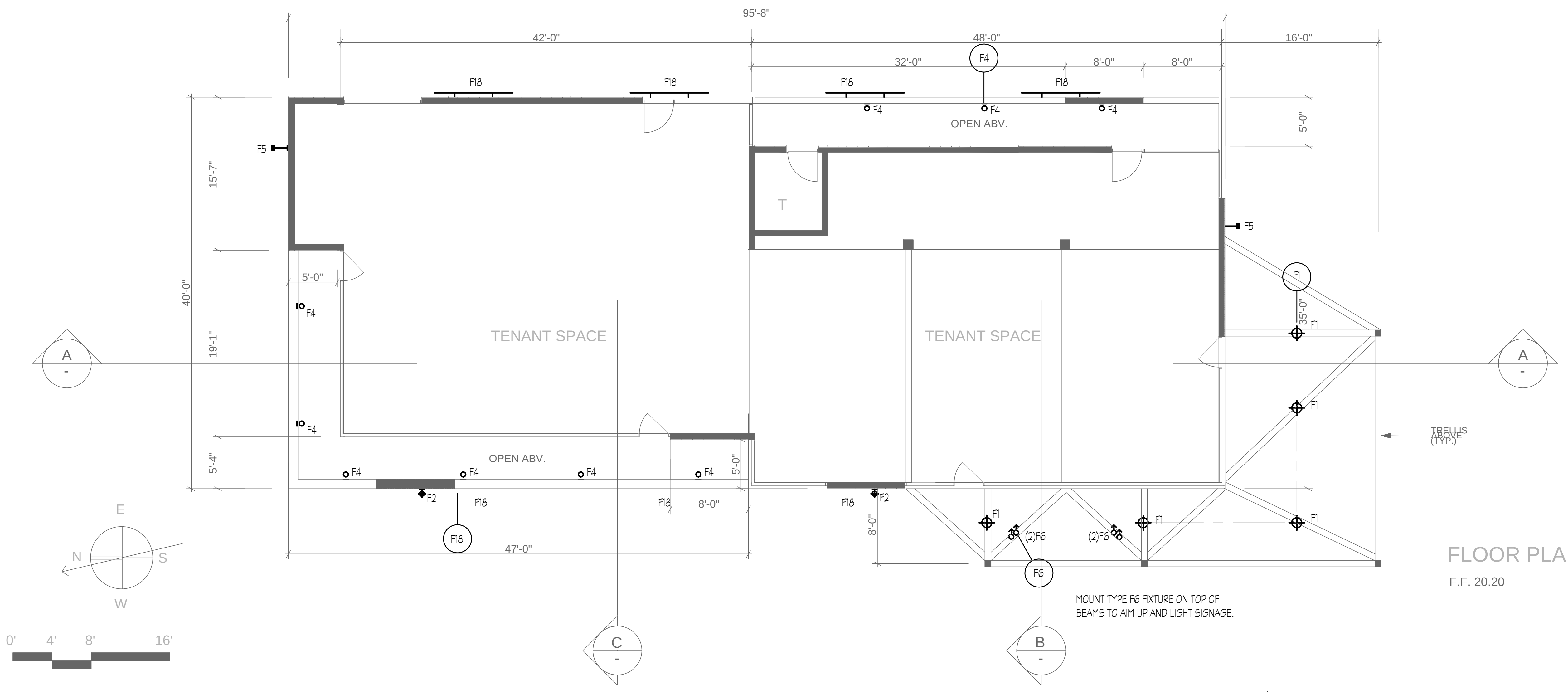
SECTION - B


PARAPET
FLAT ROOF
16'-0"
OPEN

SECTION - C


C
-
B
-
PARAPET
OPEN
MECH. WELL
RIDGE BEAM TYP. FOR 2
FLAT ROOF
OPEN
OPEN
3.9:12 SLOPE
TYP. GLASS CANOPY OVER DOORS
METAL ROOF
TYP. GLASS CANOPY OVER DOORS

ROOF PLAN


95'-8"
42'-0"
48'-0"
16'-0"
32'-0"
8'-0"
8'-0"
F4
F18
F18
F18
F18
F4
F4
F4
OPEN ABV.
5'-0"
F5
15'-7"
40'-0"
19'-1"
5'-4"
5'-0"
T
F5
F1
35'-0"
F1
F1
F4
F4
TENANT SPACE
TENANT SPACE
A
-
A
-
TRELLIS ABOVE (TYP.)
OPEN ABV.
F4
F4
F4
F4
5'-0"
F2
F18
F18
8'-0"
F18
F2
8'-0"
F1
(2)F6
(2)F6
F1
F1
F18
47'-0"
F6
MOUNT TYPE F6 FIXTURE ON TOP OF BEAMS TO AIM UP AND LIGHT SIGNAGE.
C
-
B
-
E
N
S
W
0'
4'
8'
16'

FLOOR PLAN

F.F. 20.20

LIGHTVISION

ARCHITECTURAL LIGHTING DESIGN
14730 SUTTON ST SHERMAN OAKS CALIFORNIA 91403 C 310 963 0700
4625 RIST CANYON RD LAPORTE COLORADO 80535 T 970 482 0701
WWW . LIGHTVISION . NET

LEGEND

PLAN	ELEVATION	
⊕	⌓	PENDANT
⊕	⌖	WALL MOUNTED FLOODLIGHT
●		TRELLIS MOUNTED DOWNLIGHT
○		WALL MOUNTED DOWNLIGHT
⊥	▬	WALL MOUNTED SIGN LIGHT
○→		BEAM MOUNTED LIGHT
⊥	▲	WALL MOUNTED FLOOD LIGHT
─┴─	───	LINEAR SIGN LIGHT

WHOLE FOODS IN THE PARK

22483 PACIFIC COAST HIGHWAY
MALIBU CA, 90265

BLDG 2 - LIGHTING PLAN & ELEVATIONS

REVISIONS

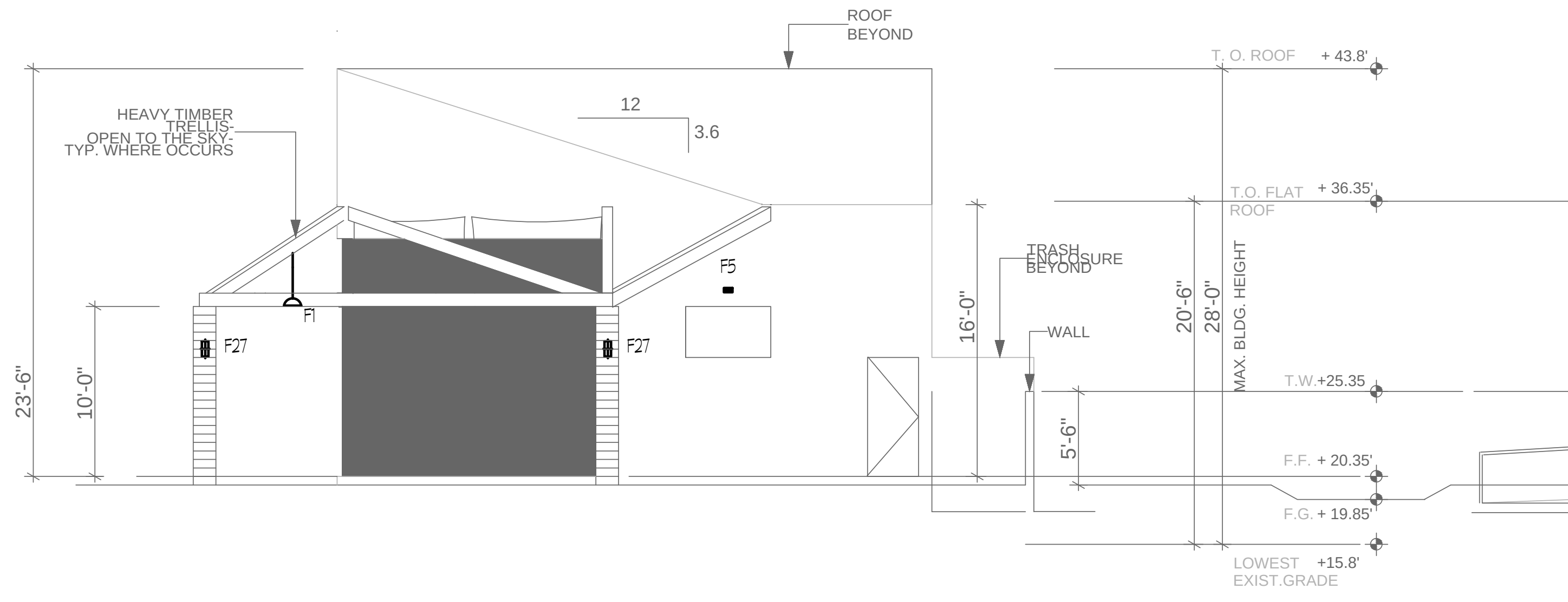
	Date
1	03.04.13
2	04.08.13

LT-3.0

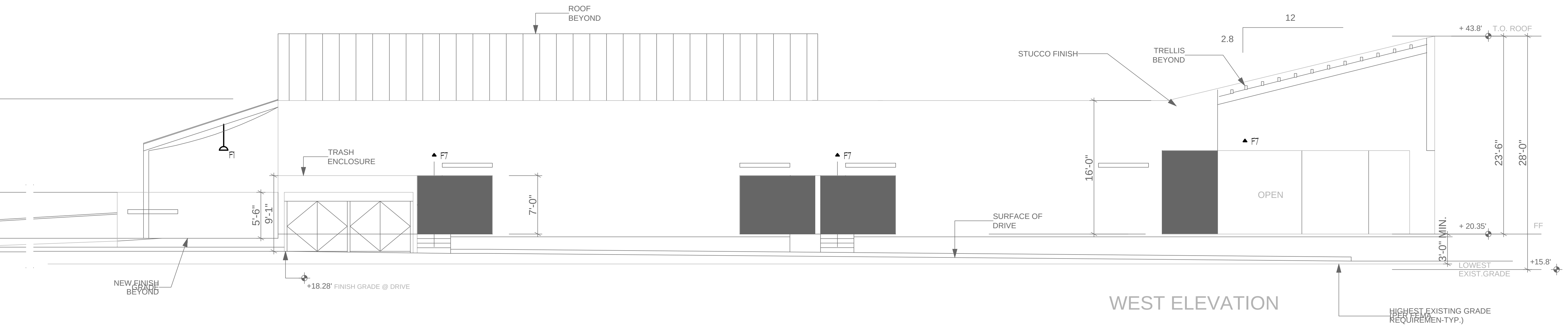
Job No.

DATE
6.25.10

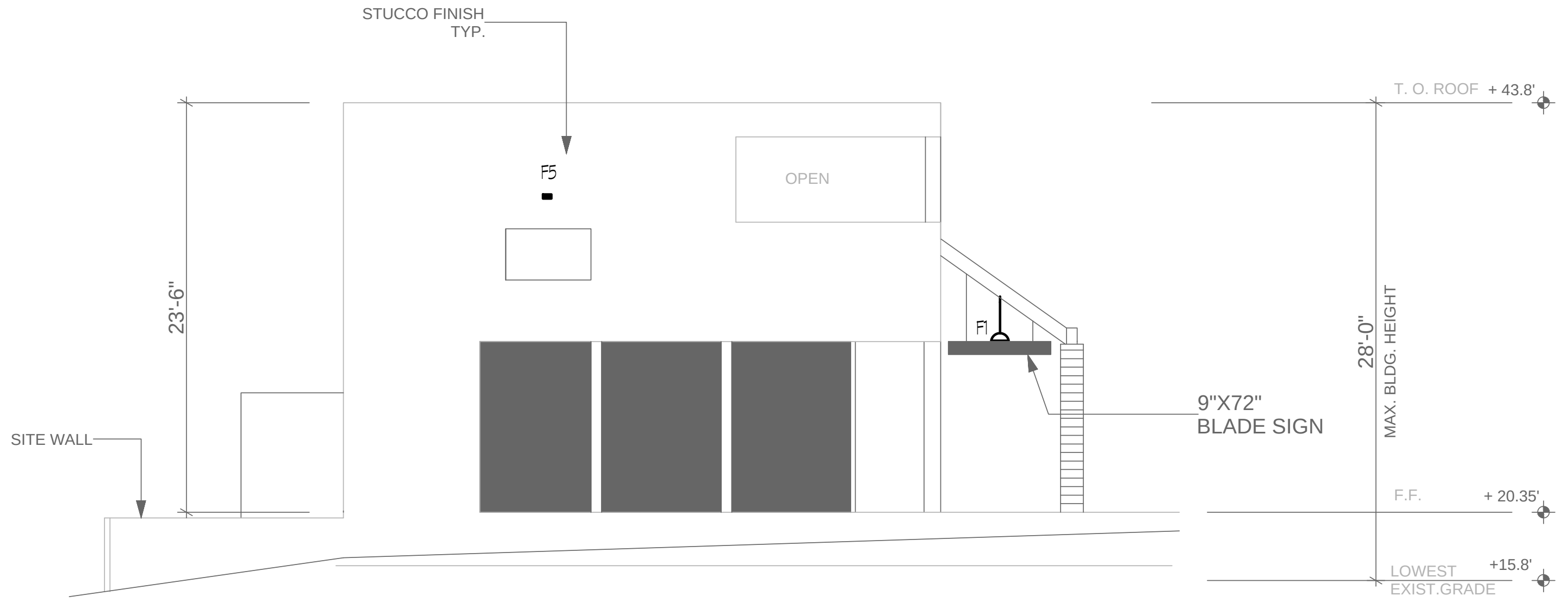
SCALE
1/8" = 1'-0"


ROOF BEYOND
HEAVY TIMBER TRELLIS OPEN TO THE SKY- TYP. WHERE OCCURS
12
3.6
T. O. ROOF + 43.8'
T.O. FLAT ROOF + 36.35'
TRASH ENCLOSURE BEYOND
WALL
T.W. +25.35
F.F. + 20.35'
F.G. + 19.85'
LOWEST EXIST.GRADE +15.8'
MAX. BLDG. HEIGHT
23'-6"
10'-0"
16'-0"
20'-6"
28'-0"
5'-6"
F27
F1

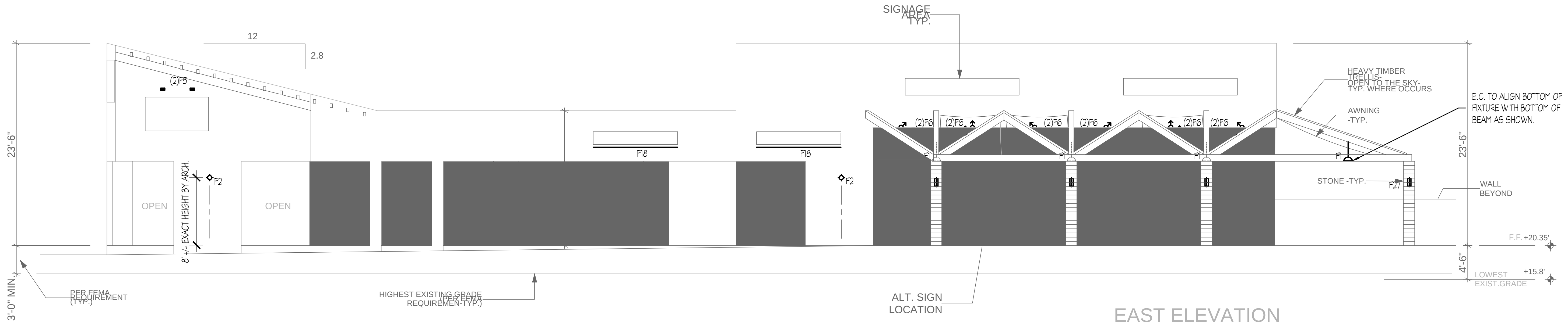
NORTH ELEVATION


ROOF BEYOND
TRASH ENCLOSURE
F7
NEW FINISH GRADE BEYOND
+18.28' FINISH GRADE @ DRIVE
5'-6"
9'-1"
7'-0"
16'-0"
STUCCO FINISH
TRELLIS BEYOND
2.8
12
OPEN
SURFACE OF DRIVE
HIGHEST EXISTING GRADE REQUIREMEN-TYP.)
T. O. ROOF + 43.8'
+ 20.35'
+15.8'
LOWEST EXIST.GRADE
3'-0" MIN.
23'-6"
28'-0"
FF

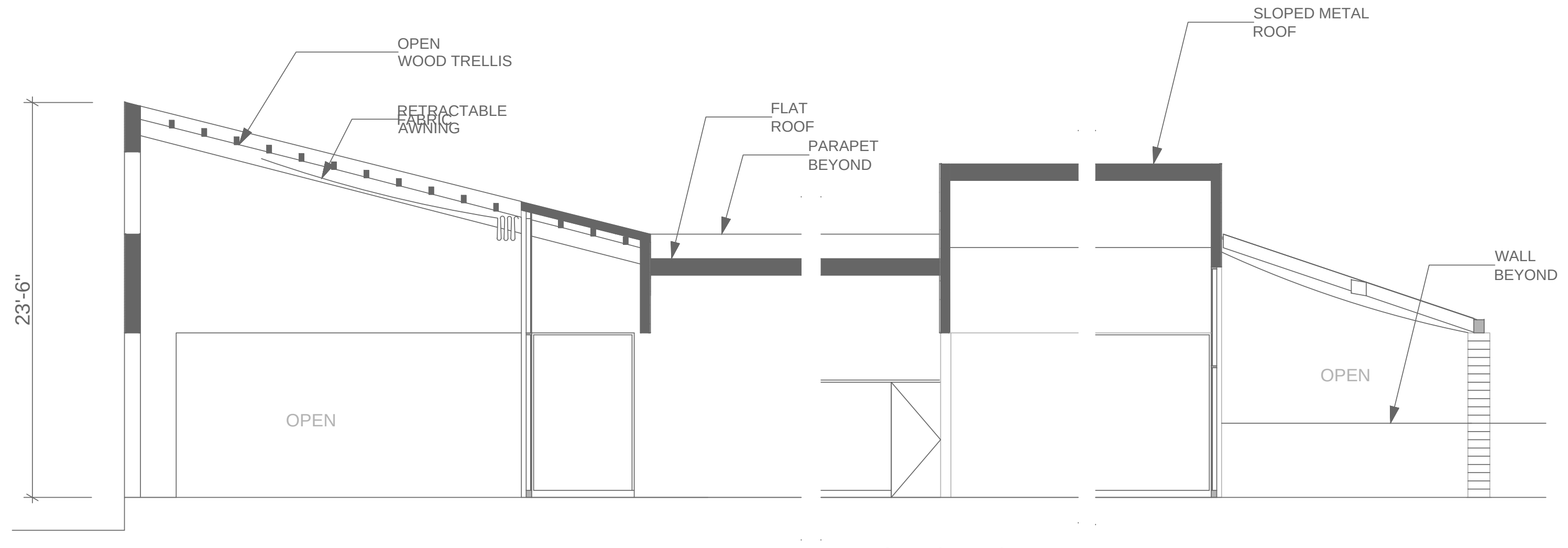
WEST ELEVATION


STUCCO FINISH TYP.
F5
OPEN
9"X72" BLADE SIGN
SITE WALL
T. O. ROOF + 43.8'
MAX. BLDG. HEIGHT
28'-0"
23'-6"
F.F. + 20.35'
LOWEST EXIST.GRADE +15.8'

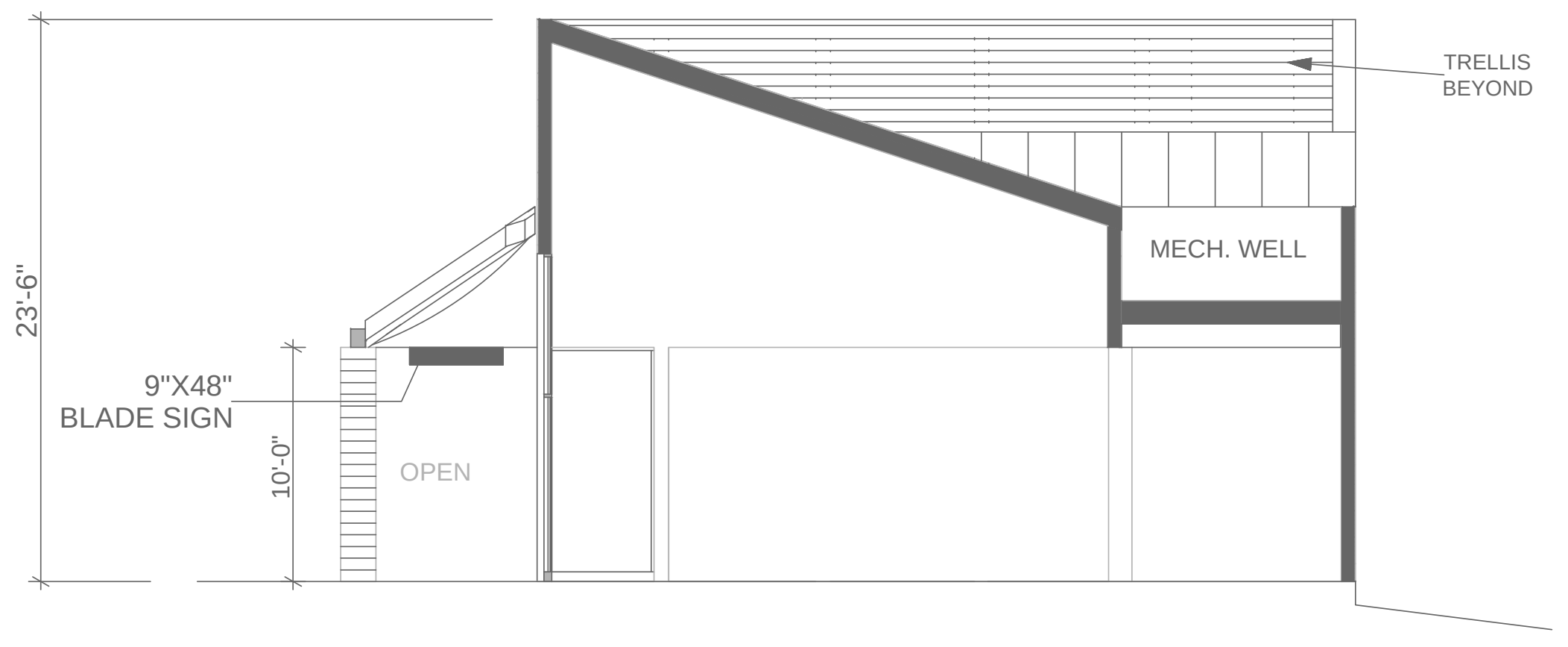
SOUTH ELEVATION


12
2.8
(2)F5
SIGNAGE AREA TYP.
F18
F2
OPEN
8'-0" EXACT HEIGHT BY ARCH.
HEAVY TIMBER TRELLIS OPEN TO THE SKY- TYP. WHERE OCCURS
AWNING -TYP.
E.C. TO ALIGN BOTTOM OF FIXTURE WITH BOTTOM OF BEAM AS SHOWN.
(2)F6
STONE -TYP.
F27
WALL BEYOND
PER FEMA REQUIREMENT (TYP.)
HIGHEST EXISTING GRADE REQUIREMEN-TYP.)
ALT. SIGN LOCATION
23'-6"
3'-0" MIN
4'-6"
F.F. +20.35'
LOWEST EXIST.GRADE +15.8'

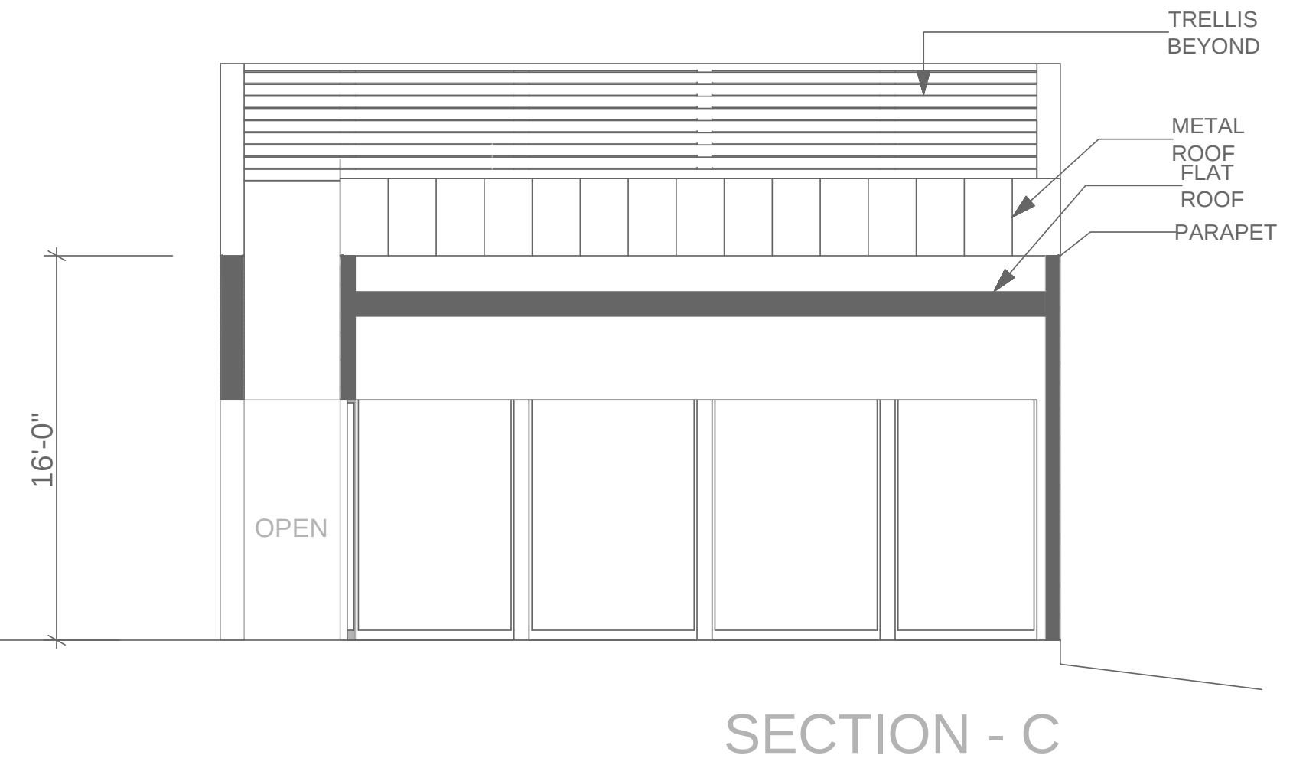
EAST ELEVATION


OPEN WOOD TRELLIS
RETRACTABLE AWNING
FLAT ROOF
PARAPET BEYOND
SLOPED METAL ROOF
WALL BEYOND
OPEN
OPEN
23'-6"

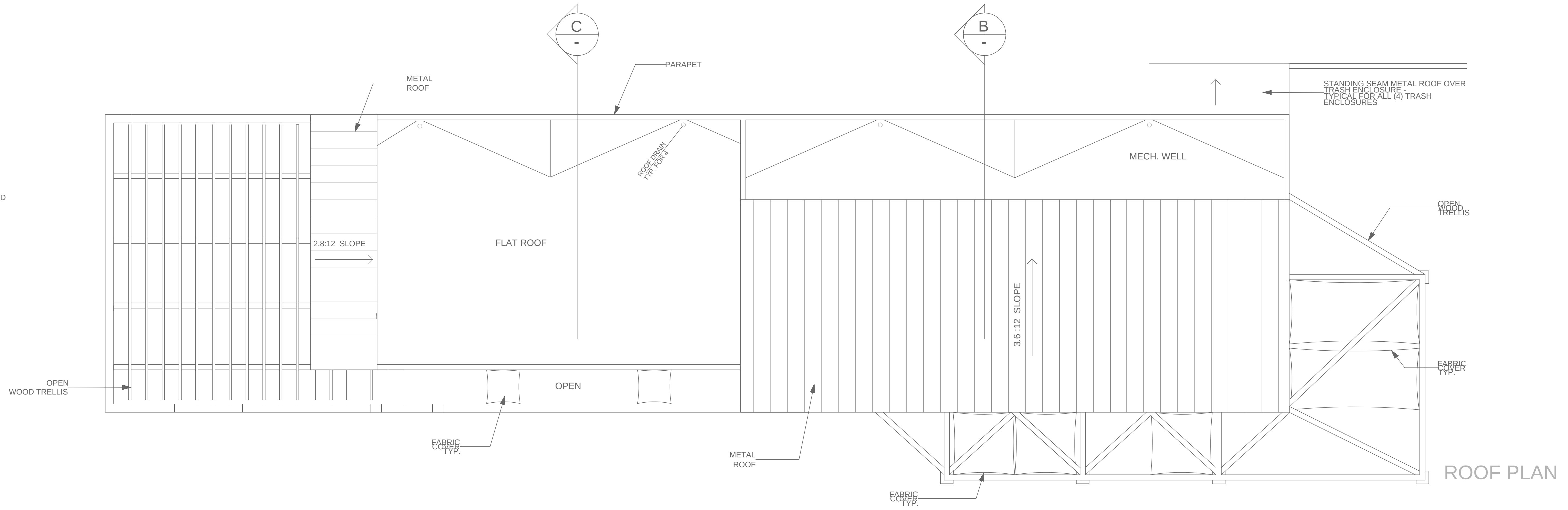
SECTION - A


TRELLIS BEYOND
MECH. WELL
9"X48" BLADE SIGN
OPEN
23'-6"
10'-0"

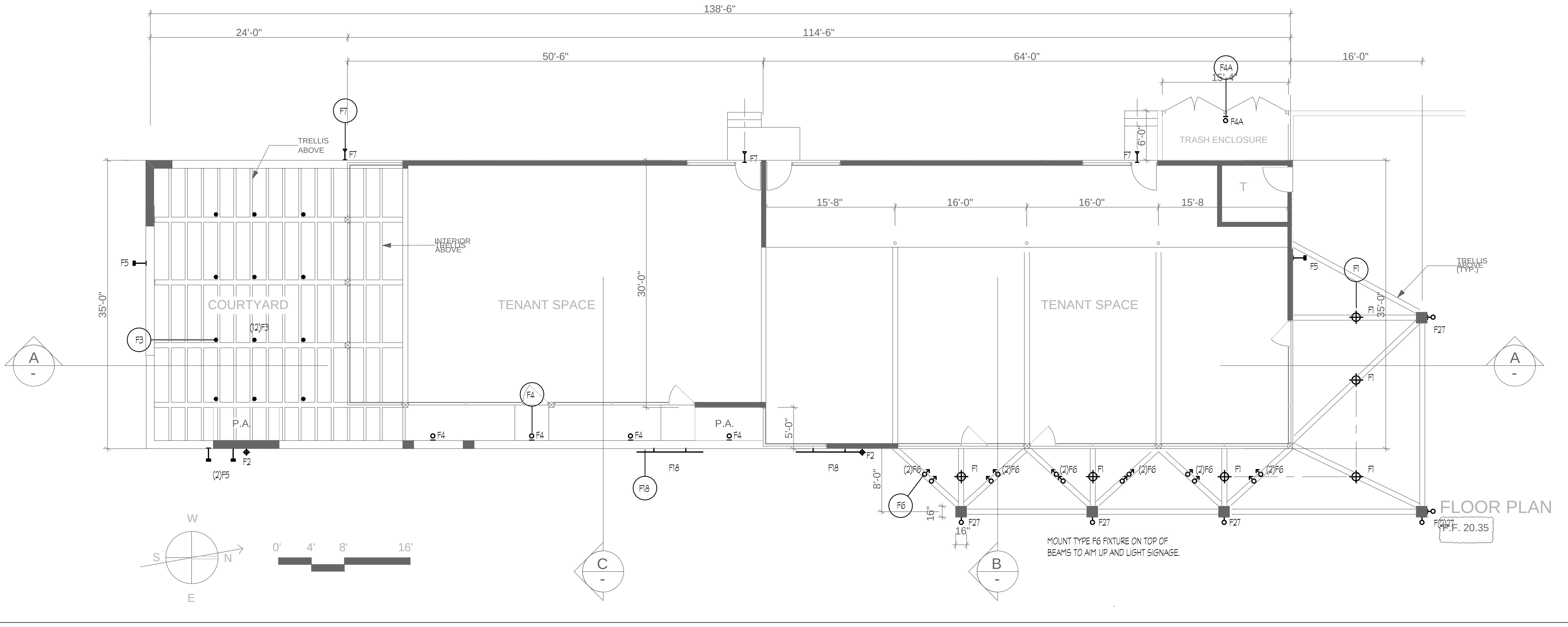
SECTION - B


TRELLIS BEYOND
METAL ROOF
FLAT ROOF
PARAPET
OPEN
16'-0"

SECTION - C


C
B
METAL ROOF
PARAPET
STANDING SEAM METAL ROOF OVER TRASH ENCLOSURE TYPICAL FOR ALL (4) TRASH ENCLOSURES
MECH. WELL
FLAT ROOF
2.8:12 SLOPE
3.6 :12 SLOPE
OPEN TRELLIS
OPEN
OPEN WOOD TRELLIS
FABRIC COVER TYP.
METAL ROOF
FABRIC COVER TYP.

ROOF PLAN


138'-6"
24'-0"
114'-6"
50'-6"
64'-0"
16'-0"
F4A
F7
TRELLIS ABOVE
TRASH ENCLOSURE
6'-0"
15'-8"
16'-0"
16'-0"
15'-8
T
F5
F3
(2)F3
COURTYARD
INTERIOR FINISH ABOVE
TENANT SPACE
30'-0"
TENANT SPACE
35'-0"
TRELLIS (TYP.)
F1
F27
A
A
P.A.
P.A.
F4
F2
(2)F5
F18
5'-0"
F6
(2)F6
8'-0"
16"
16"
MOUNT TYPE F6 FIXTURE ON TOP OF BEAMS TO AIM UP AND LIGHT SIGNAGE.
F.F. 20.35
W
S
N
E
0'
4'
8'
16'
C
B

FLOOR PLAN

LIGHTVISION

ARCHITECTURAL LIGHTING DESIGN
14730 SUTTON ST SHERMAN OAKS CALIFORNIA 91403 C 310 963 0700
4625 RIST CANYON RD LAPORTE COLORADO 80535 T 970 482 0701
W W W . L I G H T V I S I O N . N E T

LEGEND

PLAN	ELEVATION	
⊕	⏚	PENDANT
⊕	⌖	WALL MOUNTED FLOODLIGHT
●		TRELLIS MOUNTED DOWNLIGHT
○		WALL MOUNTED DOWNLIGHT
⊥	▬	WALL MOUNTED SIGN LIGHT
○→		BEAM MOUNTED LIGHT
I	▲	WALL MOUNTED FLOOD LIGHT
─┴─	──	LINEAR SIGN LIGHT
⊤	⌗	SCONCE

WHOLE FOODS IN THE PARK

22483 PACIFIC COAST HIGHWAY
MALIBU CA, 90265

BLDG 3 - LIGHTING PLAN & ELEVATIONS

REVISIONS

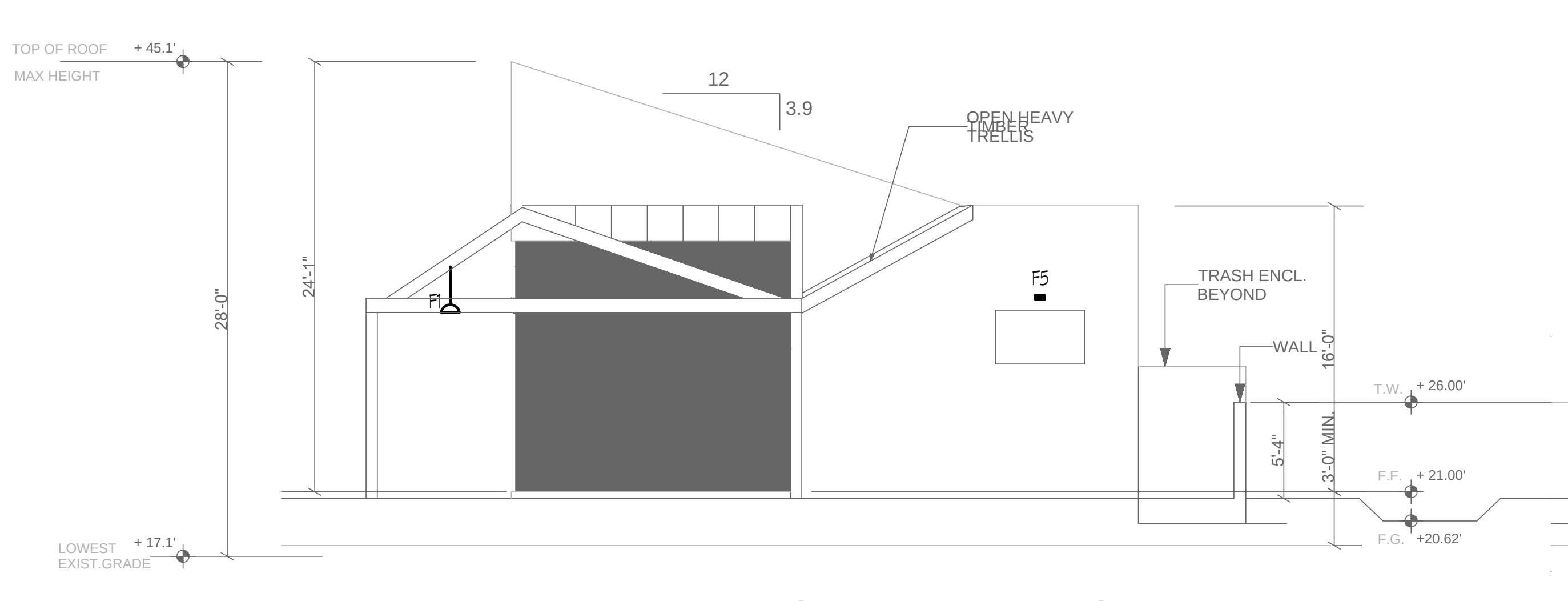
	Date
1	03.04.13
2	04.08.13

LT-4.0

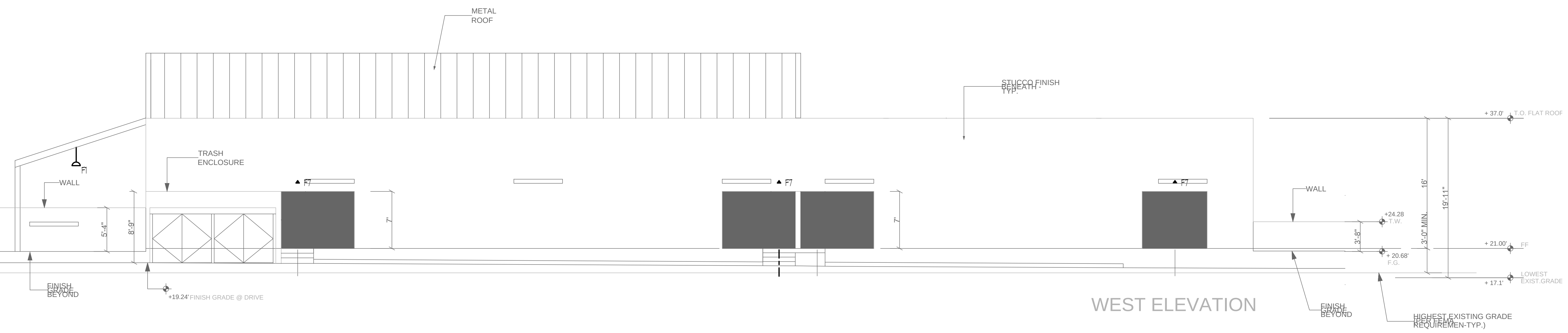
Job No.

DATE
6.25.10

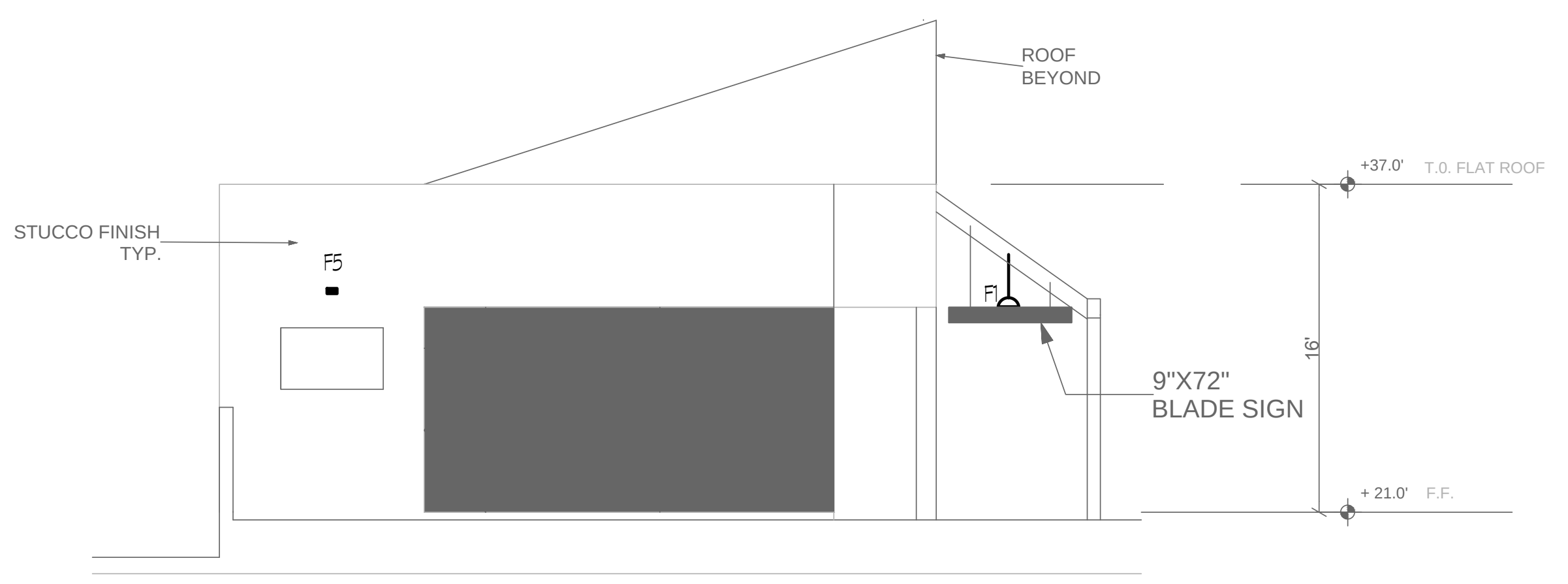
SCALE
1/8" = 1'-0"


TOP OF ROOF
+ 45.1'
MAX HEIGHT
12
3.9
OPEN HEAVY TIMBER TRELLIS
28'-0"
24'-1"
TRASH ENCL. BEYOND
WALL
T.W. + 26.00'
F.F. + 21.00'
F.G. +20.62'
LOWEST EXIST.GRADE
+ 17.1'
5'-4"
3'-0" MIN
18'-0"

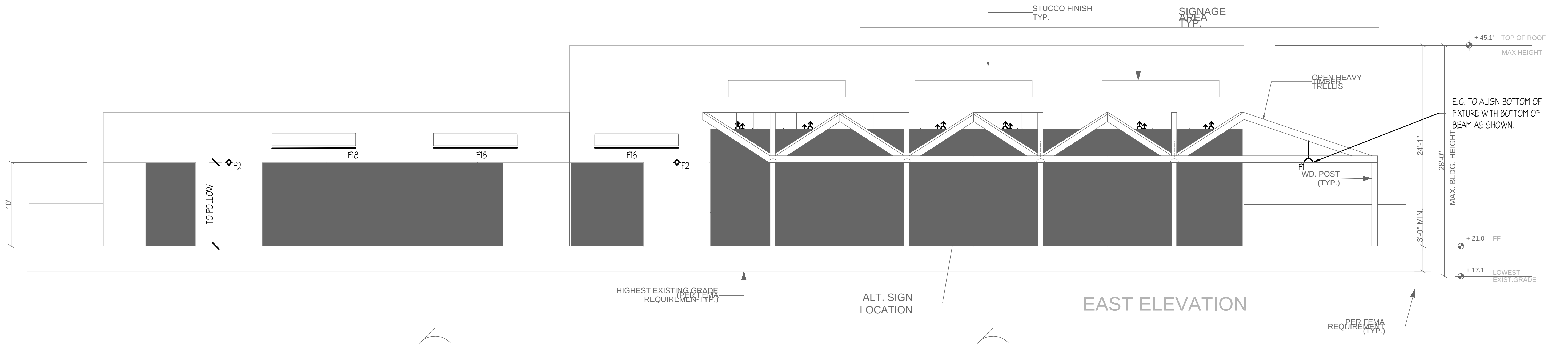
NORTH ELEVATION


METAL ROOF
STUCCO FINISH BENEATH TYP.
TRASH ENCLOSURE
WALL
F7
5'-4"
8'-9"
FINISH GRADE BEYOND
+19.24' FINISH GRADE @ DRIVE
+ 37.0' T.O. FLAT ROOF
+24.26 T.W.
+ 20.88' F.G.
+ 21.00' FF
+ 17.1' LOWEST EXIST.GRADE
16'
16'-11"
3'-8"
3'-0" MIN
FINISH GRADE BEYOND
HIGHEST EXISTING GRADE REQUIREMEN-TYP.)

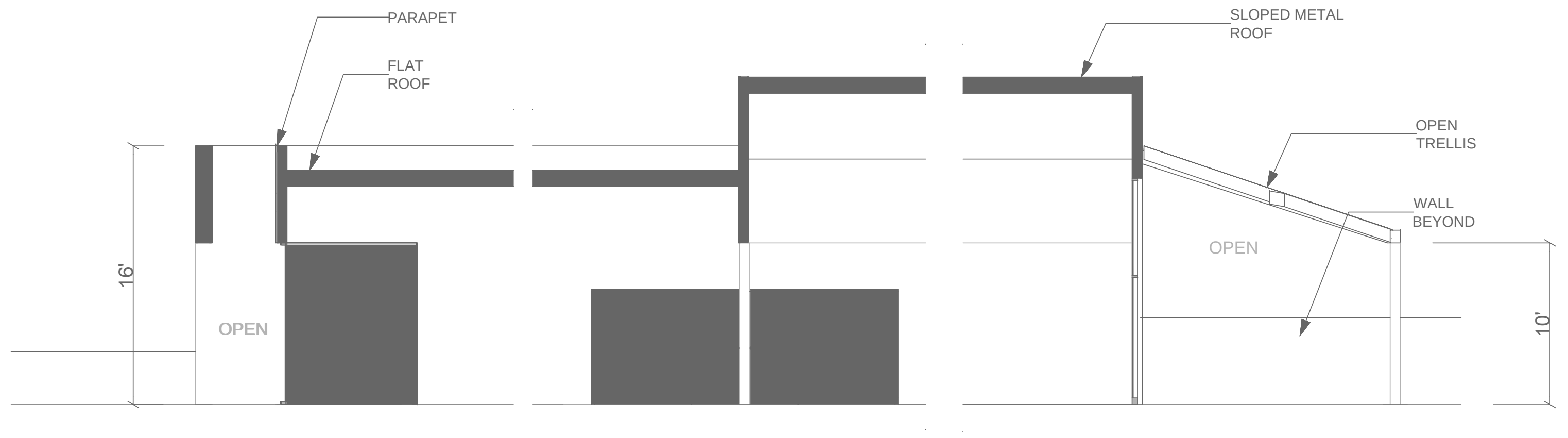
WEST ELEVATION


ROOF BEYOND
STUCCO FINISH TYP.
F5
F3
+37.0' T.O. FLAT ROOF
16'
+ 21.0' F.F.
9"X72" BLADE SIGN

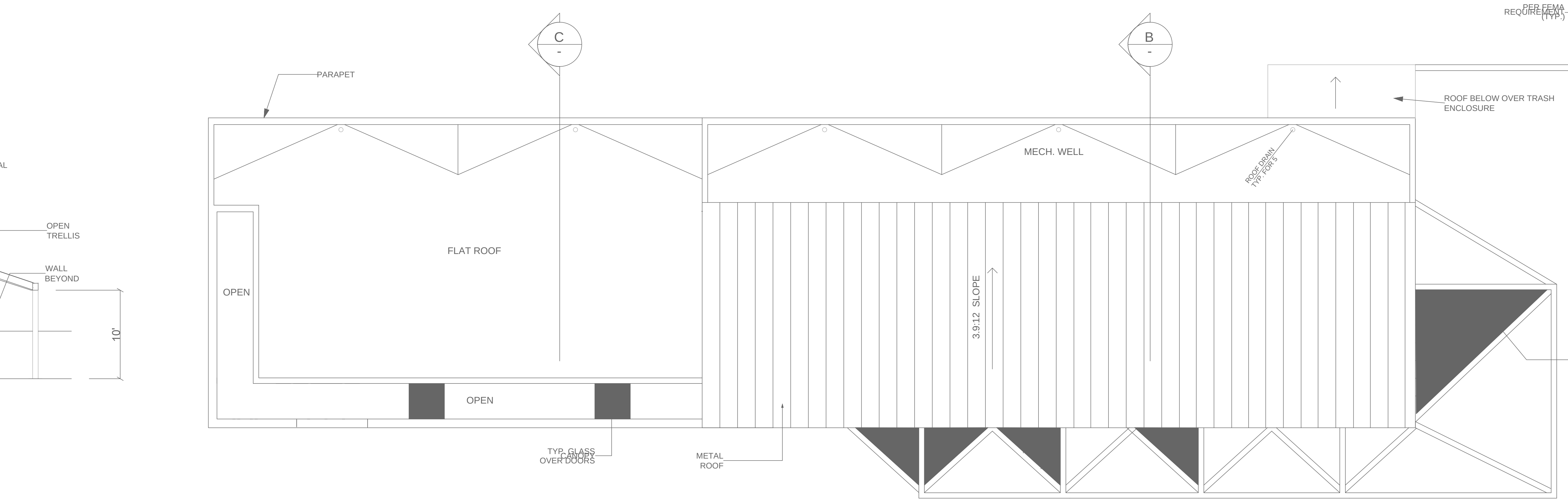
SOUTH ELEVATION


STUCCO FINISH TYP.
SIGNAGE AREA TYP.
+ 45.1' TOP OF ROOF
MAX HEIGHT
OPEN HEAVY TIMBER TRELLIS
E.C. TO ALIGN BOTTOM OF FIXTURE WITH BOTTOM OF BEAM AS SHOWN.
WD. POST (TYP.)
F2
TO FOLLOW
F8
10'
24'-1"
28'-0"
MAX. BLDG. HEIGHT
3'-0" MIN
+ 21.0' FF
+ 17.1' LOWEST EXIST.GRADE
HIGHEST EXISTING GRADE REQUIREMEN-TYP.)
ALT. SIGN LOCATION
PER FEMA REQUIREMENT (TYP.)

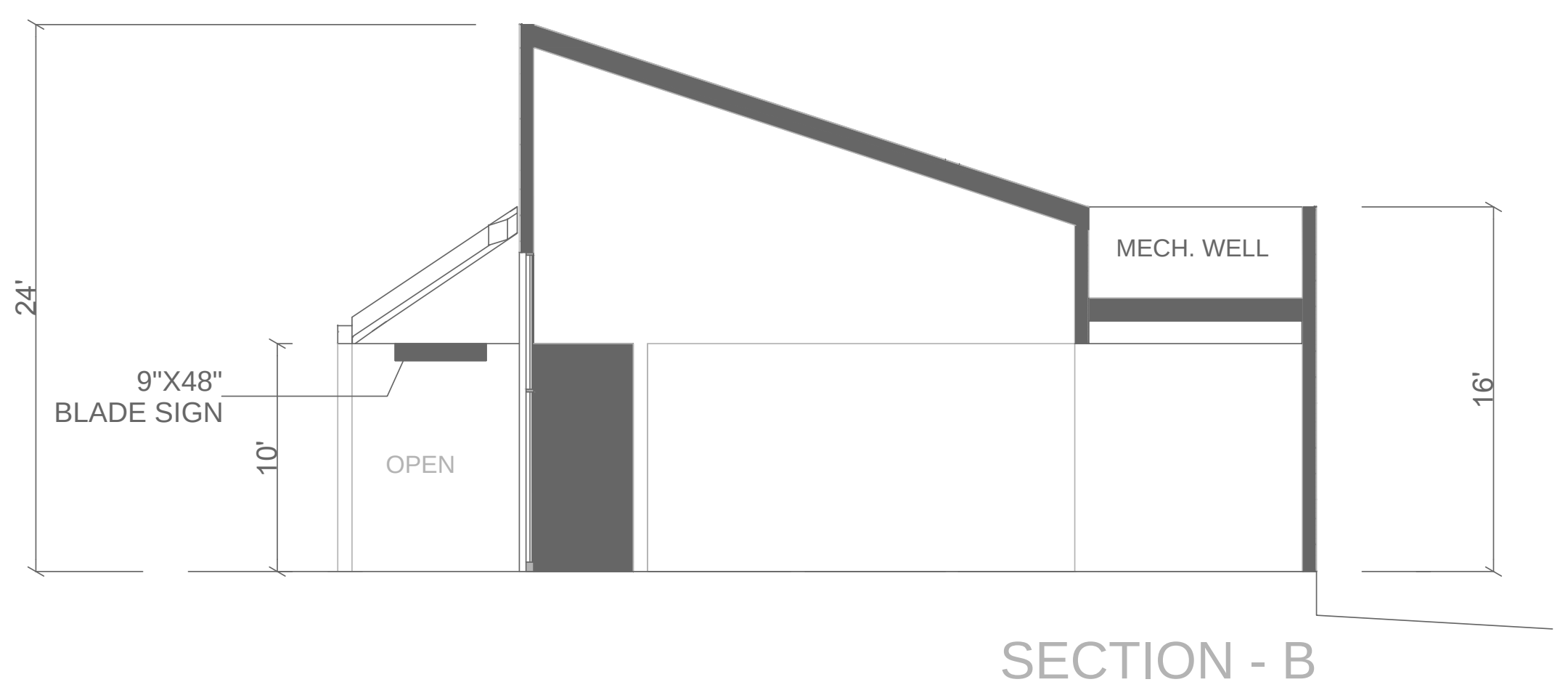
EAST ELEVATION


PARAPET
FLAT ROOF
SLOPED METAL ROOF
OPEN TRELLIS
WALL BEYOND
OPEN
16'
10'

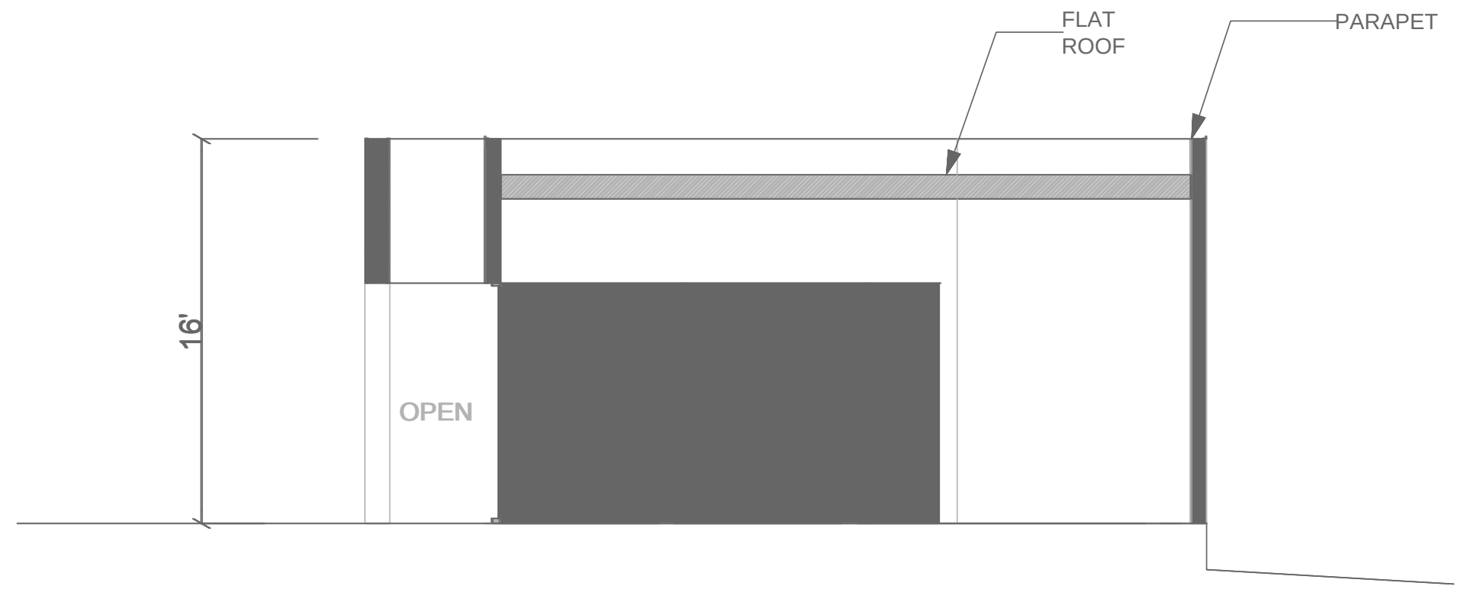
SECTION - A


C
B
PARAPET
ROOF BELOW OVER TRASH ENCLOSURE
MECH. WELL
ROOF DRAIN TYP. (TOP.)
FLAT ROOF
OPEN
3.9:12 SLOPE
TYP. GLASS OVER DOORS
METAL ROOF

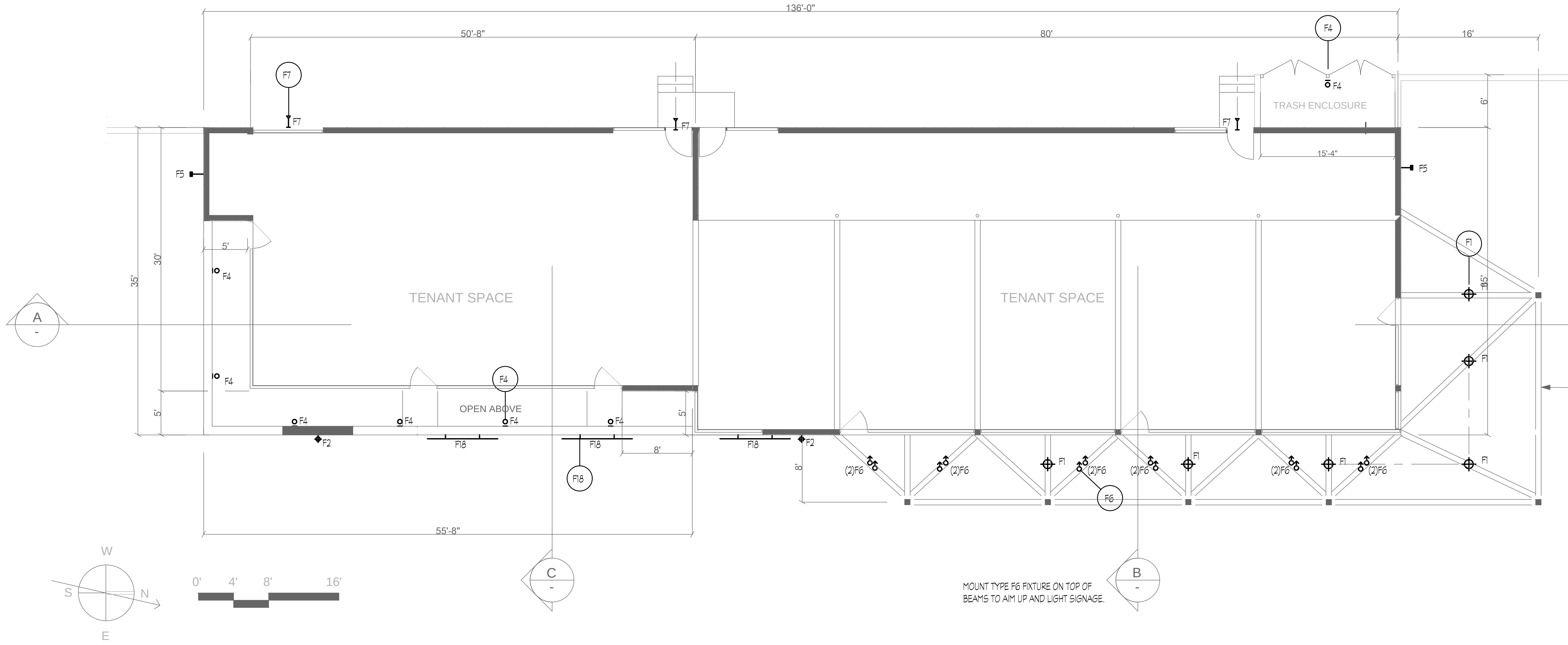
ROOF PLAN


24'
MECH. WELL
9"X48" BLADE SIGN
10'
OPEN
16'

SECTION - B


FLAT ROOF
PARAPET
16'
OPEN

SECTION - C


136'-0"
50'-8"
80'
16'
F4
F7
F5
F1
F2
F3
F6
F8
(2)F6
TRASH ENCLOSURE
15'-4"
6'
35'
30'
5'
TENANT SPACE
OPEN ABOVE
8'
55'-8"
A
B
C
TRELLIS ABOVE
W
S
N
E
0'
4'
8'
16'

FLOOR PLAN

F.F. 21.00'

MOUNT TYPE F6 FIXTURE ON TOP OF BEAMS TO AIM UP AND LIGHT SIGNAGE.

LIGHTVISION

ARCHITECTURAL LIGHTING DESIGN
14730 SUTTON ST SHERMAN OAKS CALIFORNIA 91403 C 310 963 0700
4625 RIST CANYON RD LAPORTE COLORADO 80535 T 970 482 0701
W W W . L I G H T V I S I O N . N E T

LEGEND

PLAN	ELEVATION	
⊕		PENDANT
⊕	◇	WALL MOUNTED FLOODLIGHT
●		TRELLIS MOUNTED DOWNLIGHT
○		WALL MOUNTED DOWNLIGHT
▬	▬	WALL MOUNTED SIGN LIGHT
○→		BEAM MOUNTED LIGHT
△	▲	WALL MOUNTED FLOOD LIGHT
—	—	LINEAR SIGN LIGHT

WHOLE FOODS
IN THE PARK

22483 PACIFIC COAST HIGHWAY
MALIBU CA, 90265

BLDG 4 - LIGHTING PLAN & ELEVATIONS

REVISIONS

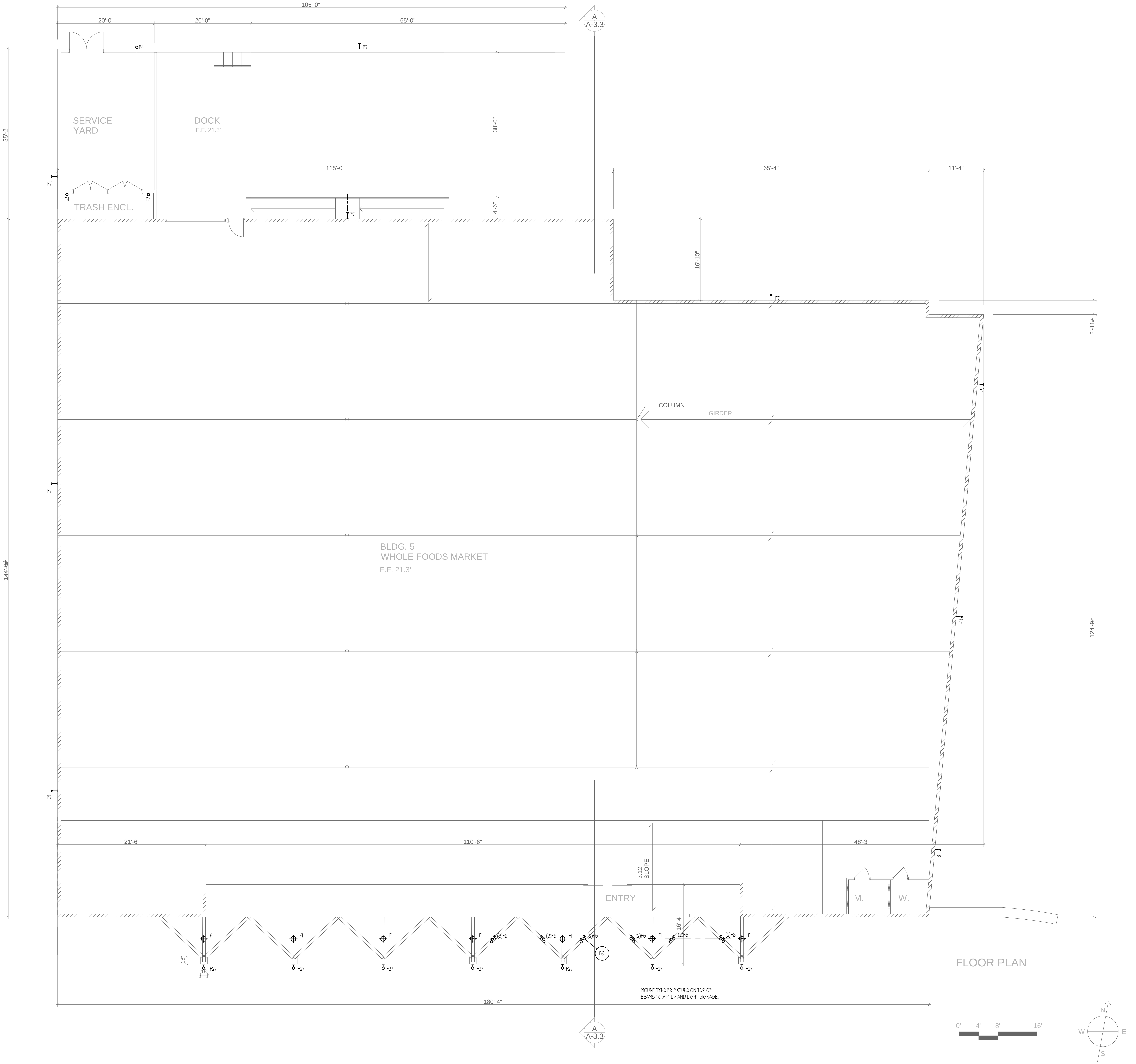
	Date
△1	03.04.13
△2	04.08.13
△	
△	

LT-5.0

Job No.

DATE
6.25.10

SCALE
1/8" = 1'-0"


105'-0"
20'-0"
20'-0"
65'-0"
A
A-3.3
F4
F7
35'-2"
SERVICE YARD
DOCK
F.F. 21.3'
30'-0"
115'-0"
65'-4"
11'-4"
F3
F4
F4
TRASH ENCL.
F7
4'-6"
16'-10"
F7
2'-11½"
F3
COLUMN
GIRDER
F3
BLDG. 5
WHOLE FOODS MARKET
F.F. 21.3'
144'-6½"
124'-9½"
F3
F3
F3
21'-6"
110'-6"
48'-3"
3:12 SLOPE
ENTRY
M.
W.
16'-4"
F1
(2)F6
F6
18"
F27
180'-4"
0'
4'
8'
16'
N
E
S
W

FLOOR PLAN

MOUNT TYPE F6 FIXTURE ON TOP OF
BEAMS TO AIM UP AND LIGHT SIGNAGE.

LIGHTVISION
ARCHITECTURAL LIGHTING DESIGN
14730 SUTTON ST SHERMAN OAKS CALIFORNIA 91403 C 310 963 0700
4625 RIST CANYON RD LAPORTE COLORADO 80535 T 970 482 0701
W W W . L I G H T V I S I O N . N E T

LEGEND

PLAN ELEVATION

- PENDANT
- WALL MOUNTED FLOODLIGHT
- TRELLIS MOUNTED DOWNLIGHT
- WALL MOUNTED DOWNLIGHT
- WALL MOUNTED SIGN LIGHT
- BEAM MOUNTED LIGHT
- WALL MOUNTED FLOOD LIGHT
- LINEAR SIGN LIGHT
- SCONCE

WHOLE FOODS IN THE PARK

22483 PACIFIC COAST HIGHWAY
MALIBU CA, 90265

BLDG 5 - LIGHTING PLAN

REVISIONS

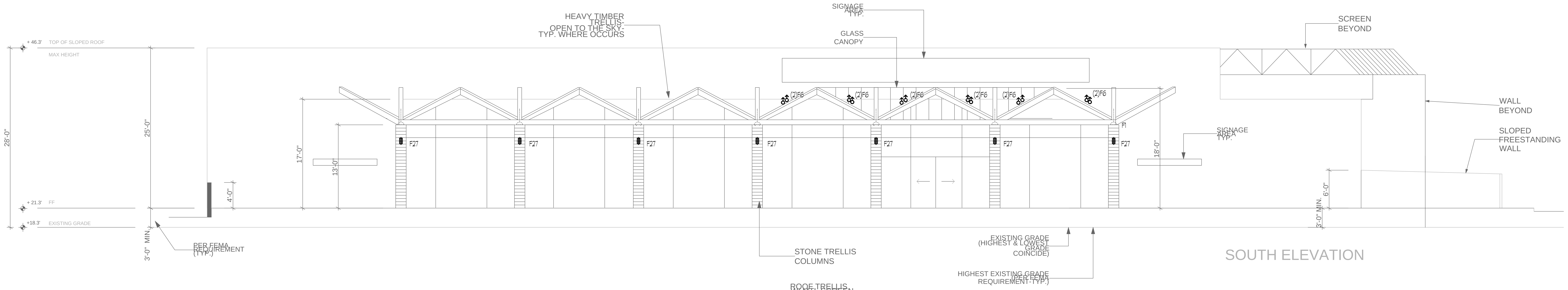
	Date
1	03.04.13
2	04.08.13

LT-6.0

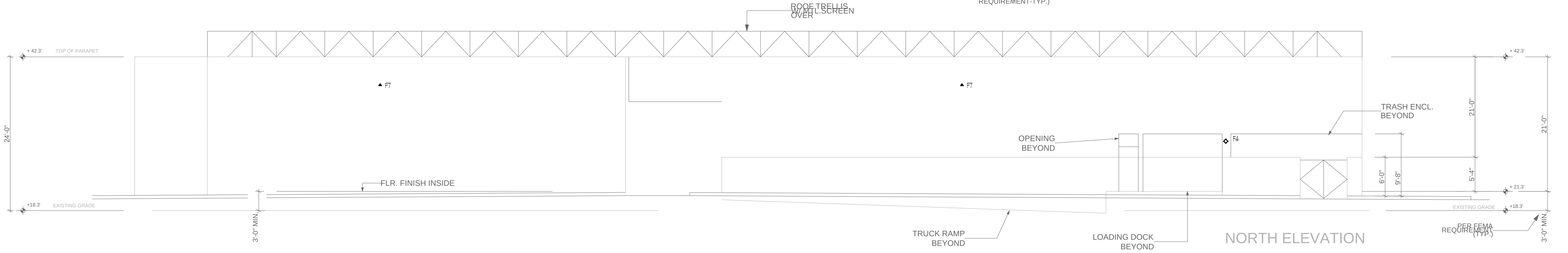
Job No.

DATE
6.25.10

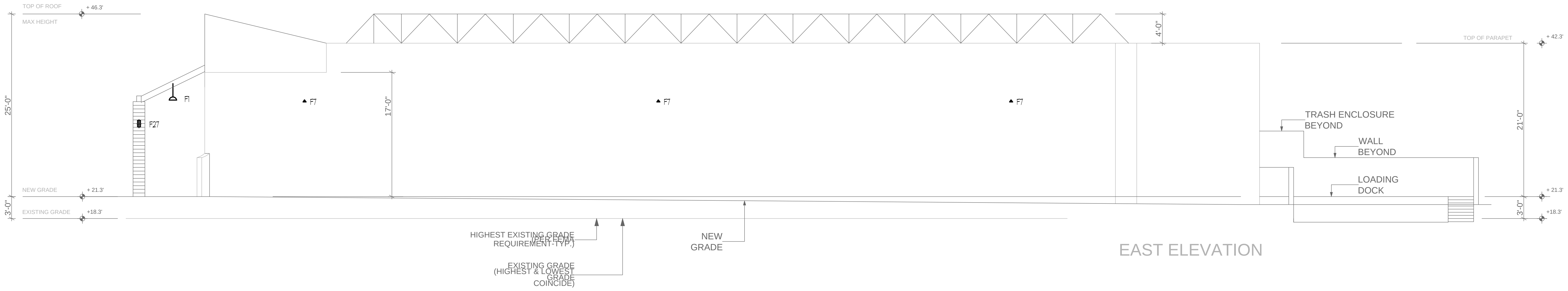
SCALE
1/8" = 1'-0"


+ 46.3' TOP OF SLOPED ROOF
MAX HEIGHT
+ 21.3' FF
+18.3' EXISTING GRADE
28'-0"
25'-0"
17'-0"
13'-0"
4'-0"
3'-0" MIN.
PER FEMA REQUIREMENT (TYP.)
HEAVY TIMBER TRELLIS- OPEN TO THE SKY- TYP. WHERE OCCURS
SIGNAGE AREA TYP.
GLASS CANOPY
(2)F6
F27
F1
18'-0"
SIGNAGE AREA TYP.
SCREEN BEYOND
WALL BEYOND
SLOPED FREESTANDING WALL
6'-0"
3'-0" MIN.
STONE TRELLIS COLUMNS
EXISTING GRADE (HIGHEST & LOWEST GRADE COINCIDE)
HIGHEST EXISTING GRADE (PER FEMA REQUIREMENT-TYP.)

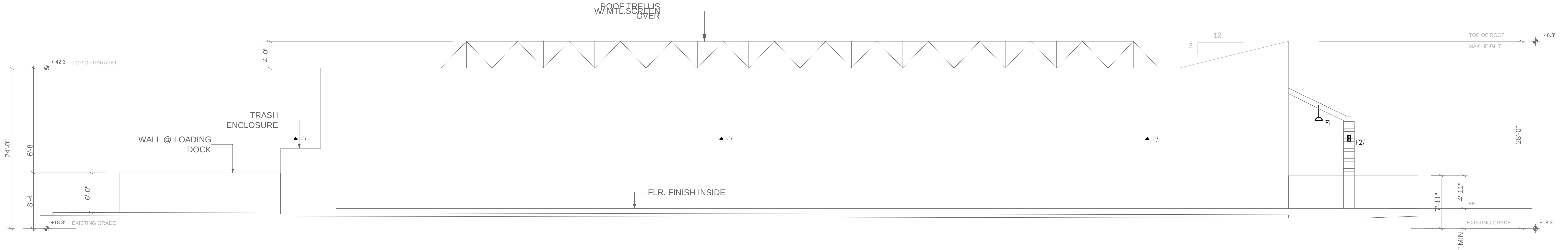
SOUTH ELEVATION


ROOF TRELLIS W/ MTL.SCREEN OVER
+ 42.3' TOP OF PARAPET
+18.3' EXISTING GRADE
24'-0"
3'-0" MIN.
F7
FLR. FINISH INSIDE
TRASH ENCL. BEYOND
OPENING BEYOND
F4
6'-0"
9'-8"
5'-4"
21'-0"
21'-0"
+ 42.3'
+ 21.3'
+18.3'
EXISTING GRADE
TRUCK RAMP BEYOND
LOADING DOCK BEYOND
PER FEMA REQUIREMENT (TYP.)
3'-0" MIN.

NORTH ELEVATION

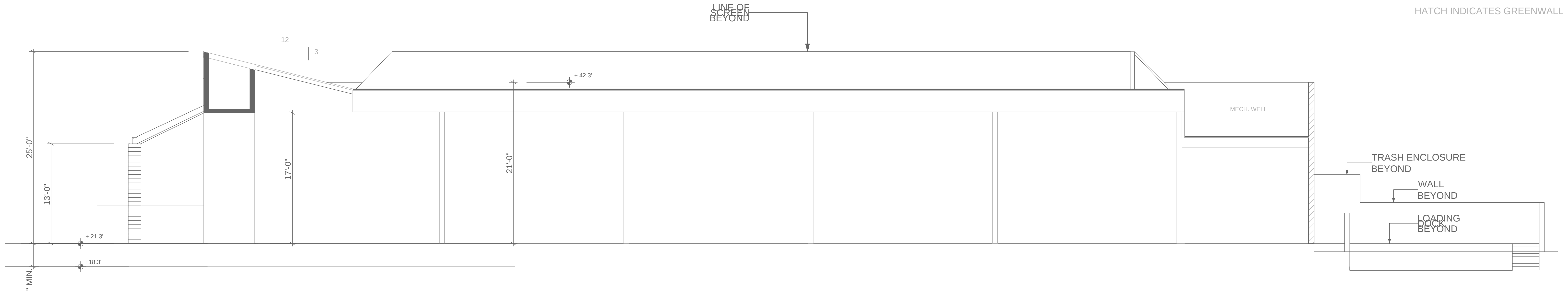

TOP OF ROOF + 46.3'
MAX HEIGHT
25'-0"
17'-0"
4'-0"
F1
F27
F7
NEW GRADE + 21.3'
EXISTING GRADE +18.3'
3'-0"
TOP OF PARAPET + 42.3'
21'-0"
TRASH ENCLOSURE BEYOND
WALL BEYOND
LOADING DOCK
+ 21.3'
+18.3'
3'-0"
HIGHEST EXISTING GRADE (PER FEMA REQUIREMENT-TYP.)
NEW GRADE
EXISTING GRADE (HIGHEST & LOWEST GRADE COINCIDE)

EAST ELEVATION


ROOF TRELLIS W/ MTL.SCREEN OVER
+ 42.3' TOP OF PARAPET
4'-0"
12
3
TOP OF ROOF + 46.3'
MAX HEIGHT
TRASH ENCLOSURE
WALL @ LOADING DOCK
F7
F1
F27
24'-0"
6'-8"
8'-4"
6'-0"
FLR. FINISH INSIDE
28'-0"
4'-11"
7'-11"
FF
+18.3' EXISTING GRADE
EXISTING GRADE +18.3'
3'-0" MIN.

WEST ELEVATION

HATCH INDICATES GREENWALL


LINE OF SCREEN BEYOND
12
3
+ 42.3'
MECH. WELL
25'-0"
13'-0"
17'-0"
21'-0"
+ 21.3'
+18.3'
3'-0" MIN.
TRASH ENCLOSURE BEYOND
WALL BEYOND
LOADING DOCK BEYOND

SECTION - A

0' 4' 8' 16'

LIGHTVISION
ARCHITECTURAL LIGHTING DESIGN
14730 SUTTON ST SHERMAN OAKS CA LIFORNIA 91403 C 310 963 0700
4625 RIST CANYON RD LAPORTE COLORADO 80535 T 970 482 0701
W W W . L I G H T V I S I O N . N E T

LEGEND
PLAN ELEVATION
PENDANT
WALL MOUNTED FLOODLIGHT
TRELLIS MOUNTED DOWNLIGHT
WALL MOUNTED DOWNLIGHT
WALL MOUNTED SIGN LIGHT
BEAM MOUNTED LIGHT
WALL MOUNTED FLOOD LIGHT
LINEAR SIGN LIGHT
SCONCE

WHOLE FOODS
IN THE PARK
22483 PACIFIC COAST HIGHWAY
MALIBU CA, 90265

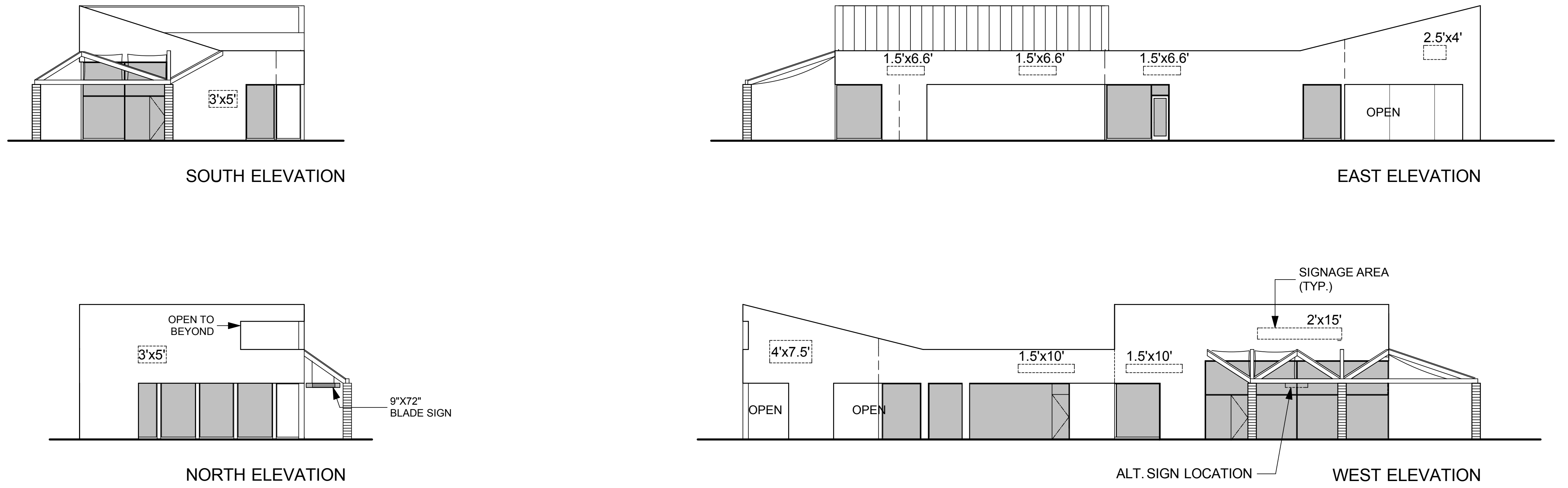
BLDG 5 -
LIGHTING PLAN

REVISIONS

	Date
1	03.04.13
2	04.08.13

LT-6.1

Job No.
DATE 6.25.10
SCALE 1/8" = 1'-0"


3'x5'
1.5'x6.6'
1.5'x6.6'
1.5'x6.6'
2.5'x4'
OPEN
OPEN TO BEYOND
3'x5'
9"X72" BLADE SIGN
SIGNAGE AREA (TYP.)
2'x15'
4'x7.5'
1.5'x10'
1.5'x10'
OPEN
OPEN
ALT. SIGN LOCATION

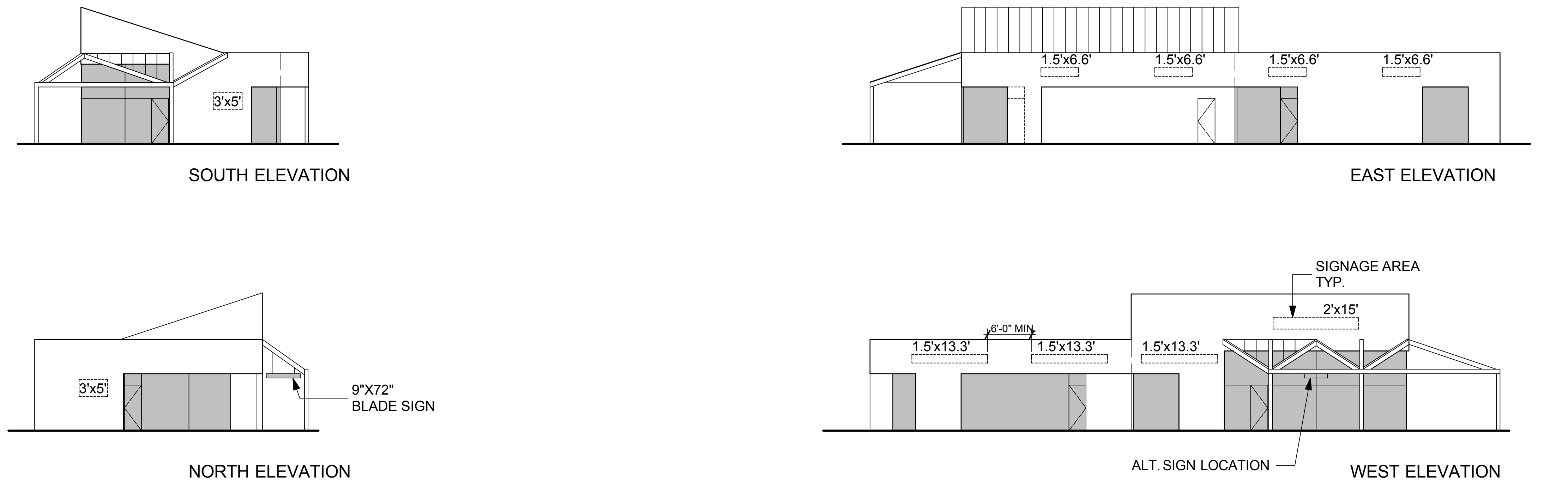
SOUTH ELEVATION

EAST ELEVATION

NORTH ELEVATION

WEST ELEVATION

BUILDING 1 ELEVATIONS ② 1/16"=1'-0"


3'x5'
1.5'x6.6'
1.5'x6.6'
1.5'x6.6'
1.5'x6.6'
3'x5'
9"X72" BLADE SIGN
SIGNAGE AREA TYP.
2'x15'
6'-0" MIN.
1.5'x13.3'
1.5'x13.3'
1.5'x13.3'
ALT. SIGN LOCATION

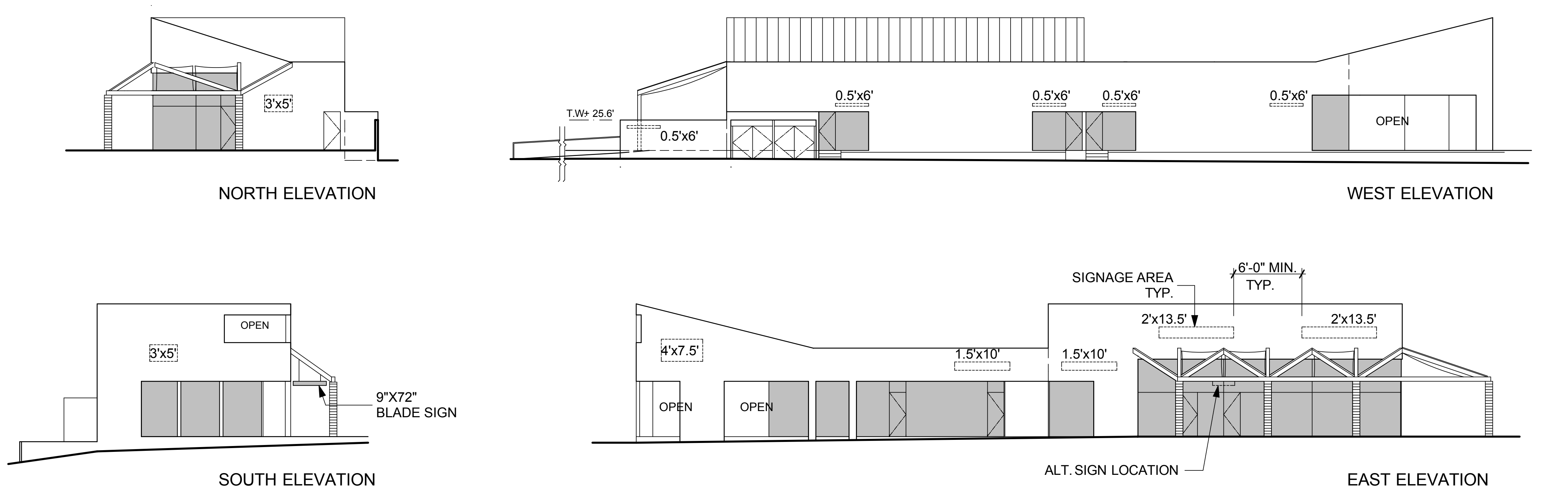
SOUTH ELEVATION

EAST ELEVATION

NORTH ELEVATION

WEST ELEVATION

BUILDING 2 ELEVATIONS ③ 1/16"=1'-0"


3'x5'
T.W.+ 25.6'
0.5'x6'
0.5'x6'
0.5'x6'
0.5'x6'
0.5'x6'
OPEN
OPEN
3'x5'
9"X72" BLADE SIGN
SIGNAGE AREA TYP.
6'-0" MIN. TYP.
2'x13.5'
2'x13.5'
4'x7.5'
1.5'x10'
1.5'x10'
OPEN
OPEN
ALT. SIGN LOCATION

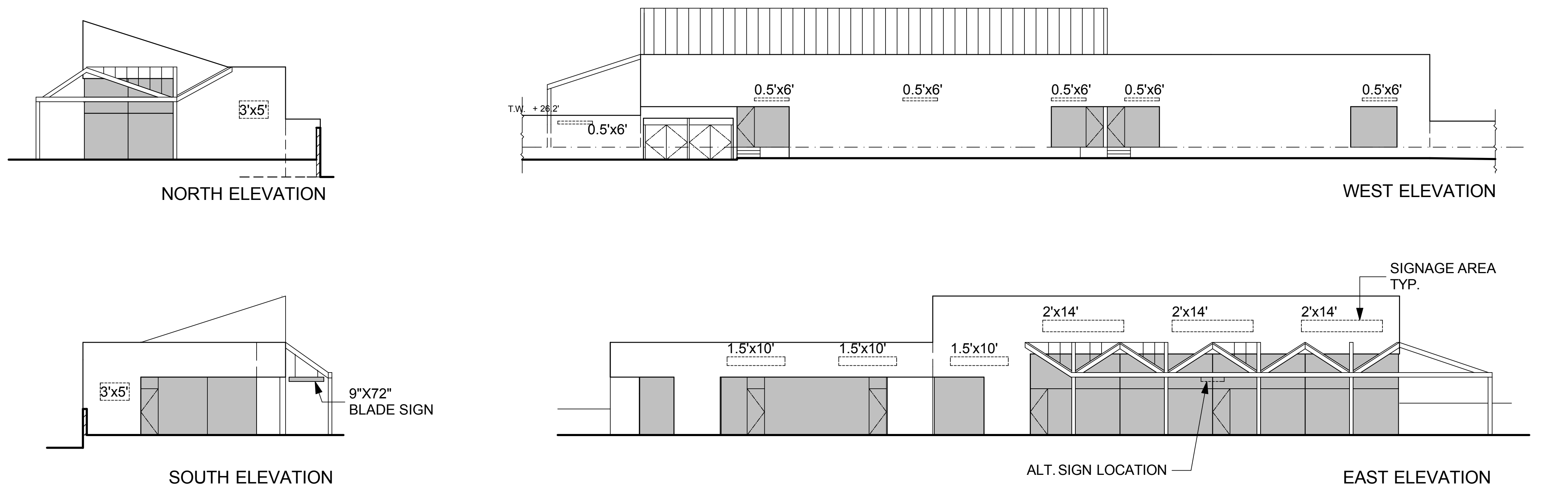
NORTH ELEVATION

WEST ELEVATION

SOUTH ELEVATION

EAST ELEVATION

BUILDING 3 ELEVATIONS ④ 1/16"=1'-0"


3'x5'
T.W. + 26.2'
0.5'x6'
0.5'x6'
0.5'x6'
0.5'x6'
0.5'x6'
0.5'x6'
3'x5'
9"X72" BLADE SIGN
SIGNAGE AREA TYP.
2'x14'
2'x14'
2'x14'
1.5'x10'
1.5'x10'
1.5'x10'
ALT. SIGN LOCATION

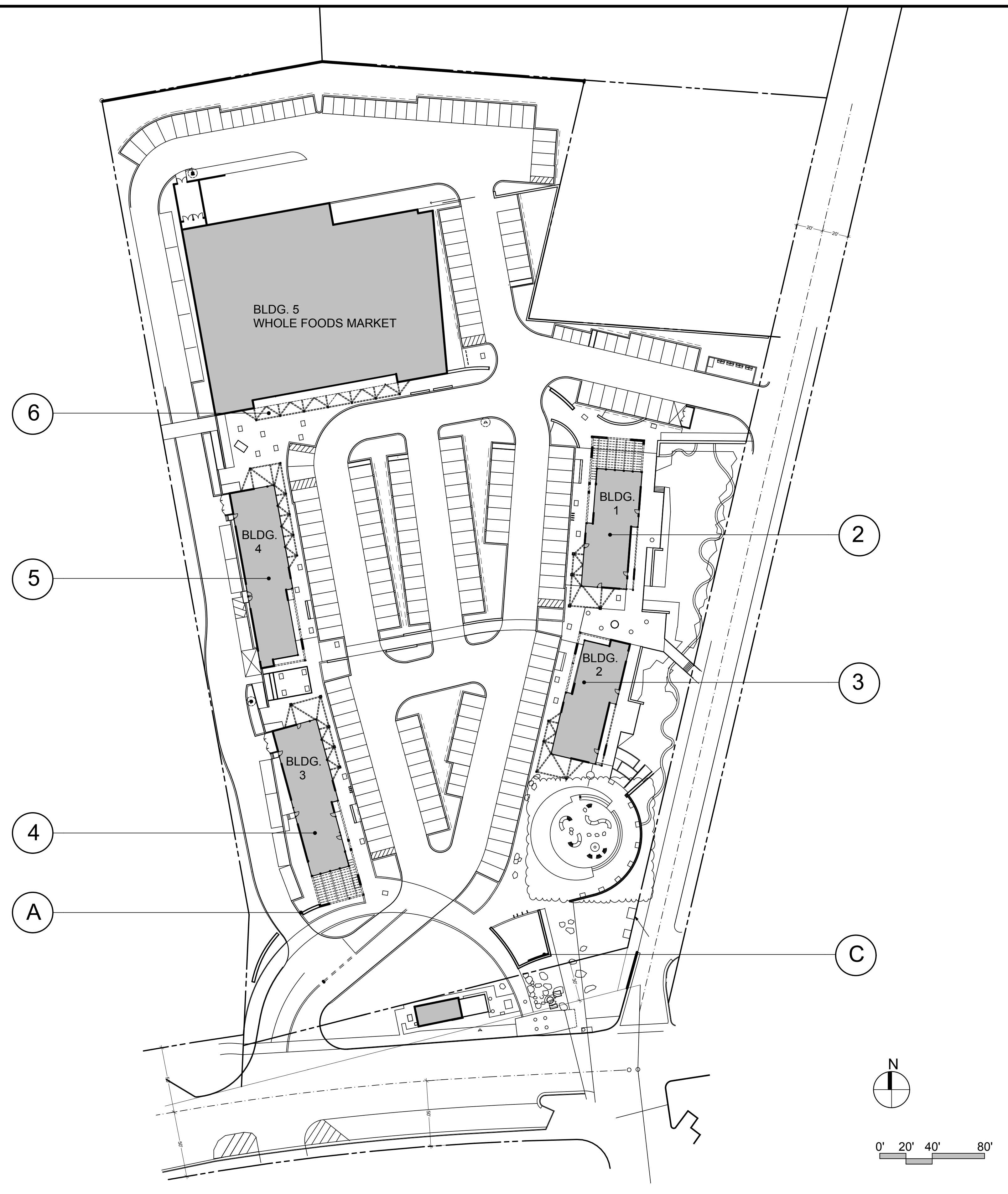
NORTH ELEVATION

WEST ELEVATION

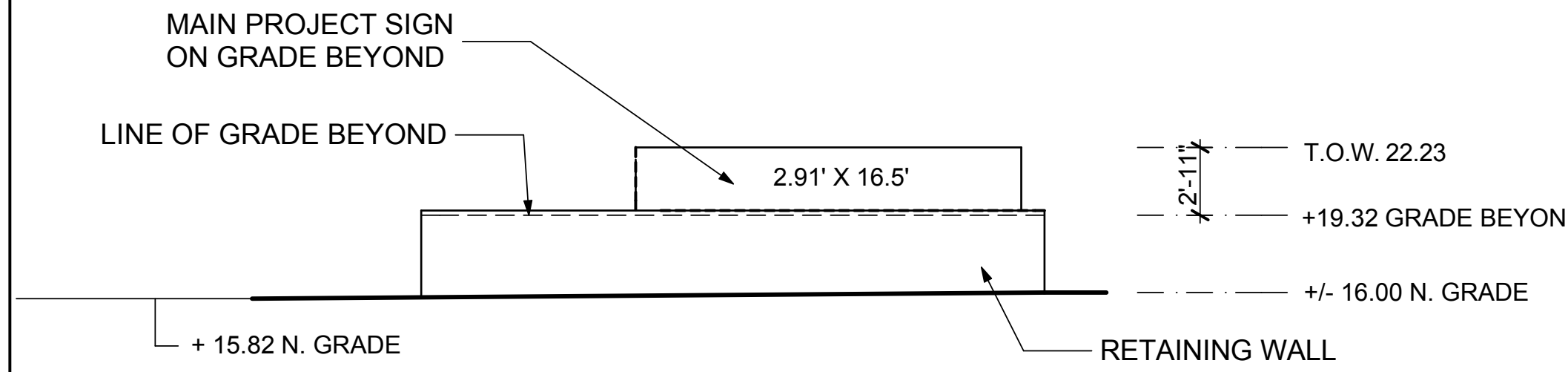
SOUTH ELEVATION

EAST ELEVATION

BUILDING 4 ELEVATIONS ⑤ 1/16"=1'-0"


BLDG. 5
WHOLE FOODS MARKET
BLDG. 1
BLDG. 4
BLDG. 2
BLDG. 3
6
5
4
A
2
3
C
N
0'
20'
40'
80'

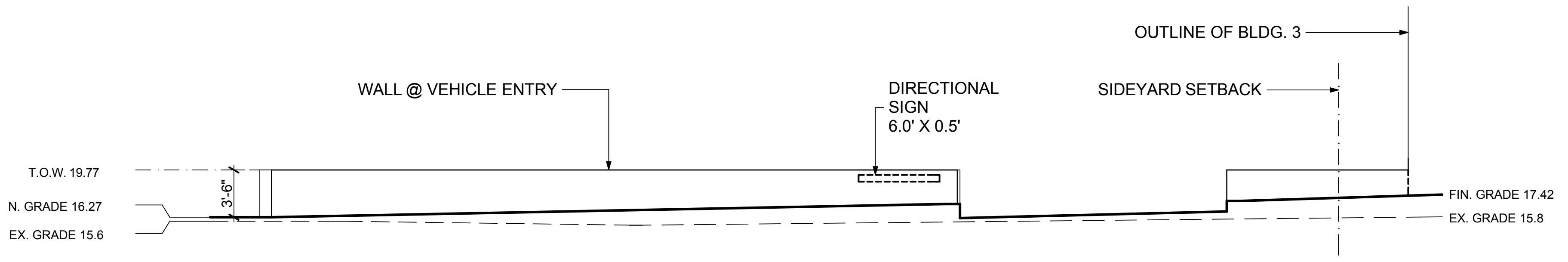
SIGNAGE KEY ① 1"=60'


MAIN PROJECT SIGN ON GRADE BEYOND
LINE OF GRADE BEYOND
2.91' X 16.5'
2'-11"
T.O.W. 22.23
+19.32 GRADE BEYOND
+/- 16.00 N. GRADE
+ 15.82 N. GRADE
RETAINING WALL

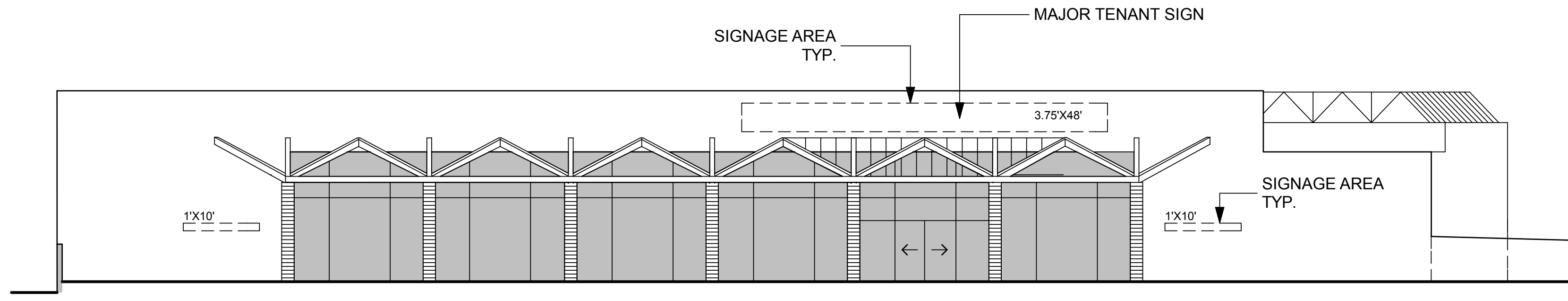
MONUMENT SIGN ELEVATION Ⓒ 1/8"=1'-0"

NOT USED

Ⓑ


OUTLINE OF BLDG. 3
WALL @ VEHICLE ENTRY
DIRECTIONAL SIGN 6.0' X 0.5'
SIDEYARD SETBACK
T.O.W. 19.77
3'-6"
N. GRADE 16.27
EX. GRADE 15.6
FIN. GRADE 17.42
EX. GRADE 15.8

DIRECTIONAL SIGN / WALL ELEVATION Ⓐ 1/8"=1'-0"


SIGNAGE AREA TYP.
MAJOR TENANT SIGN
3.75'X48'
1'X10'
1'X10'
SIGNAGE AREA TYP.

MARKET SOUTH ELEVATION

BUILDING 5 ELEVATION ⑥ 1/16"=1'-0"

GOLDMAN
FIRTH
ROSSI
ARCHITECTS

24955 PACIFIC COAST HIGHWAY
SUITE A202 MALIBU CA 90265
310. 456. 1831 FAX.310. 456. 7690
WWW.GFARCHITECTS.COM

NO.	DATE	REVISION
1	------	-------

NO.	DATE	ISSUED
1	05.05.10	PLANNING
2	09.20.10	PLANNING REVISION
3	04.28.11	PLANNING REVISION
4	02.21.12	PLANNING REVISION

STAMP :

JOB TITLE :

WHOLE FOODS
in the park

JOB ADDRESS :

DRAWING TITLE :

SIGNAGE PROGRAM

DATE : 11.19.14
SCALE : AS NOTED

DRAWING NO.:

S-1.0

REVISION NO.