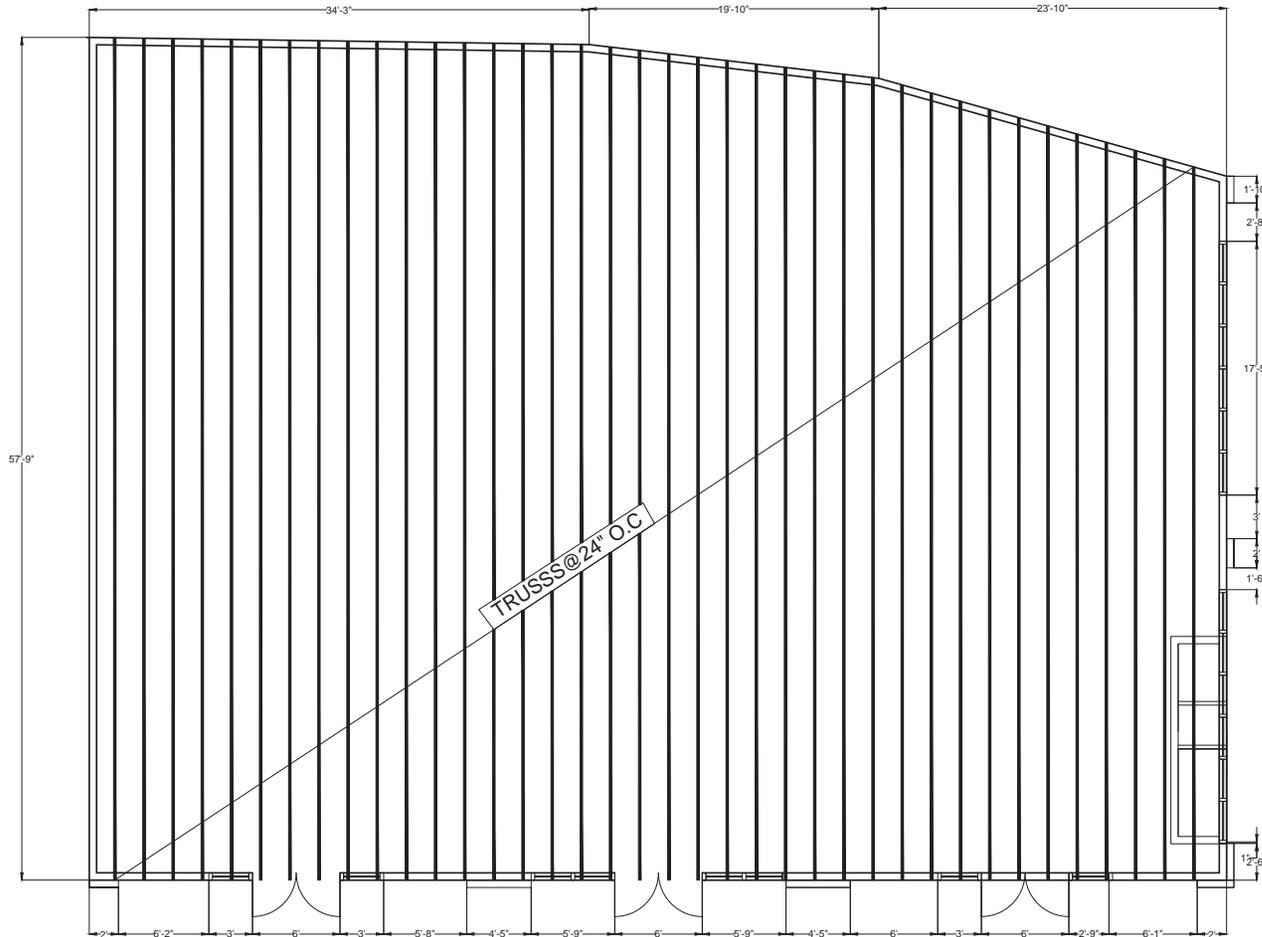


# 4318 sq. ft BUILDING D



Roof Membrane: Single ply membrane composed of thermoplastic polyolefin (TPO) sheet as specified for the specific product hereinbefore and reinforced with polyester scrim conforming to ASTM D 6878.

1. Membrane Type: Reinforced, 60 mil thickness, white, 10 ft. maximum sheet width.
- B. Flashing Membrane: Reinforced and non-reinforced TPO membrane and pressure-sensitive flashing by Roofing System manufacturer, thickness to match roofing membrane, specifically designed for use in flashing at perimeters and around projections through roofing system. PER SPECS ON SHEET A-11



OWNER:

OWNER NAME  
STREET ADDRESS  
RIVERSIDE, CA  
TELEPHONE

PROJECT DESIGNER:

**APECO ENGINEERING**  
328 N. STATE ST  
HEMET, CA 92543

AGENCY STAMP



DRAWING STATUS    DATE

SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	

REVISIONS    DATE

JOB NO.	
CLIENT NO.	
DRAWN	
CHECKED	
SCALE	1/4" = 1'

SHEET TITLE  
**ROOF FRAMING  
PLAN BUILDING  
D**

SHEET NO.

A-12



OWNER:

OWNER NAME  
STREET ADDRESS  
RIVERSIDE, CA  
TELEPHONE

PROJECT DESIGNER:

**APECO ENGINEERING**  
328 N. STATE ST  
HEMET, CA 92543

AGENCY STAMP



DRAWING STATUS    DATE

SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	

REVISIONS    DATE


JOB NO.

CLIENT NO.

DRAWN

CHECKED

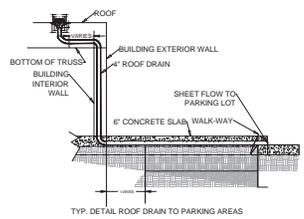
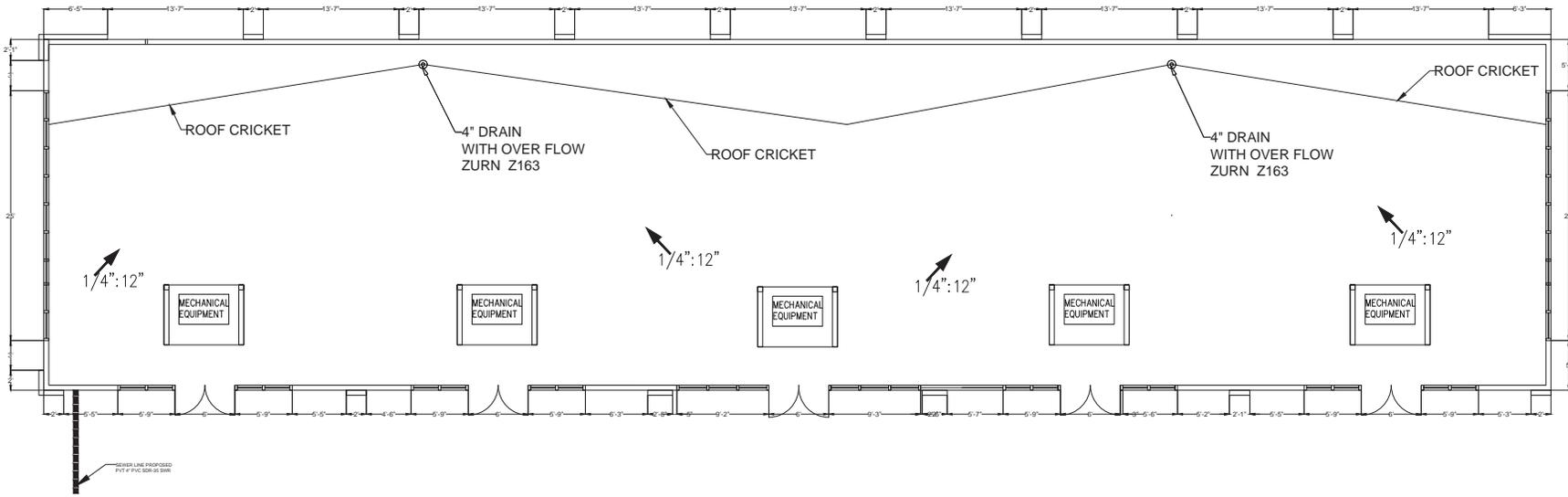
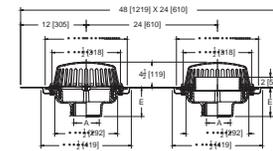
SCALE    3/16" = 1'

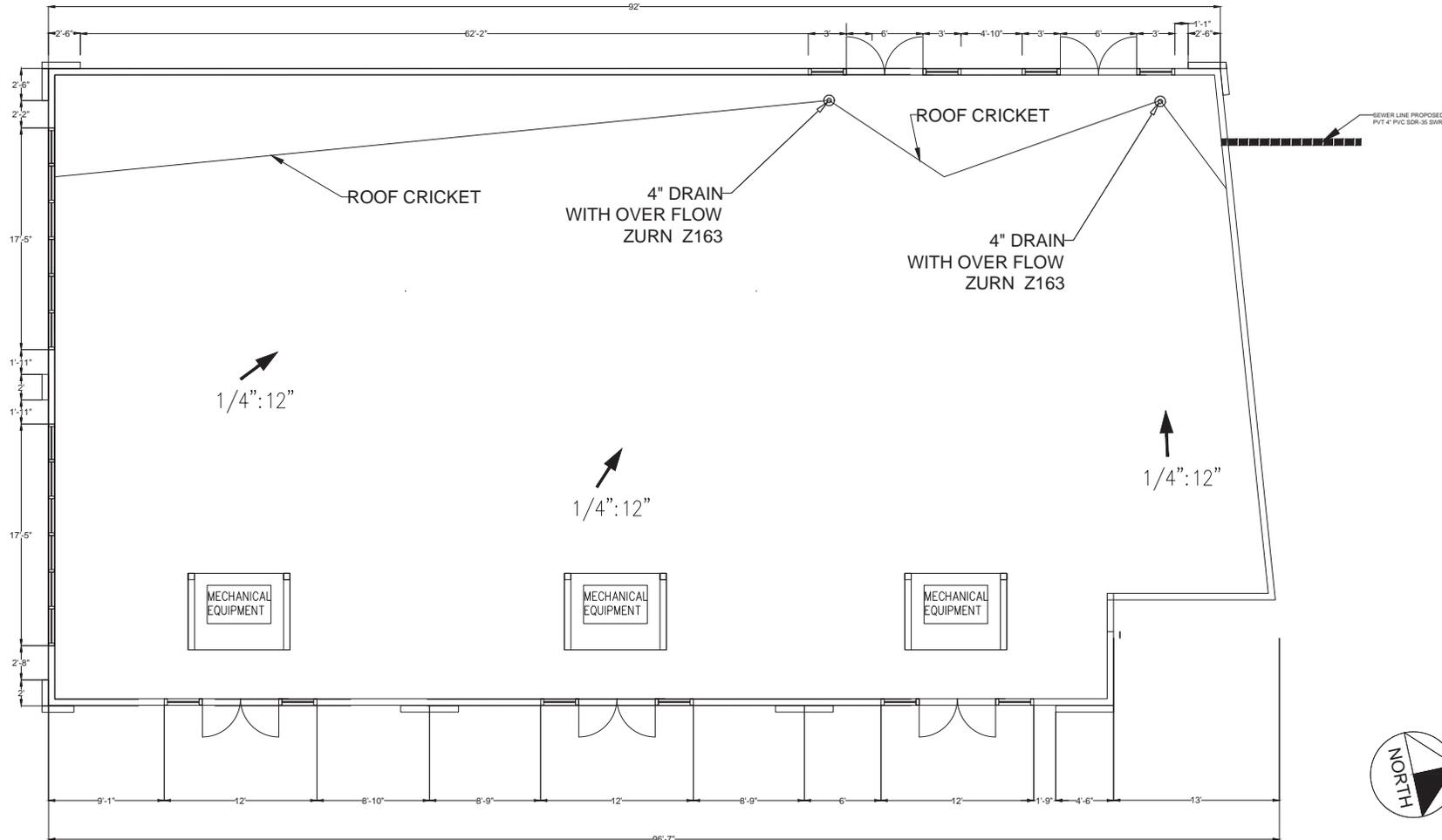
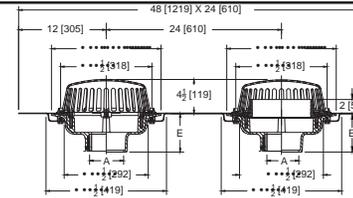
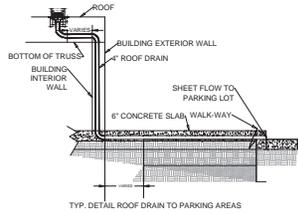
SHEET TITLE

**ROOF PLAN  
BUILDING B**

SHEET No.

A-14





OWNER:  
 OWNER NAME  
 STREET ADDRESS  
 RIVERSIDE, CA  
 TELEPHONE

PROJECT DESIGNER:  
**APECO ENGINEERING**  
 328 N. STATE ST  
 HEMET, CA 92543

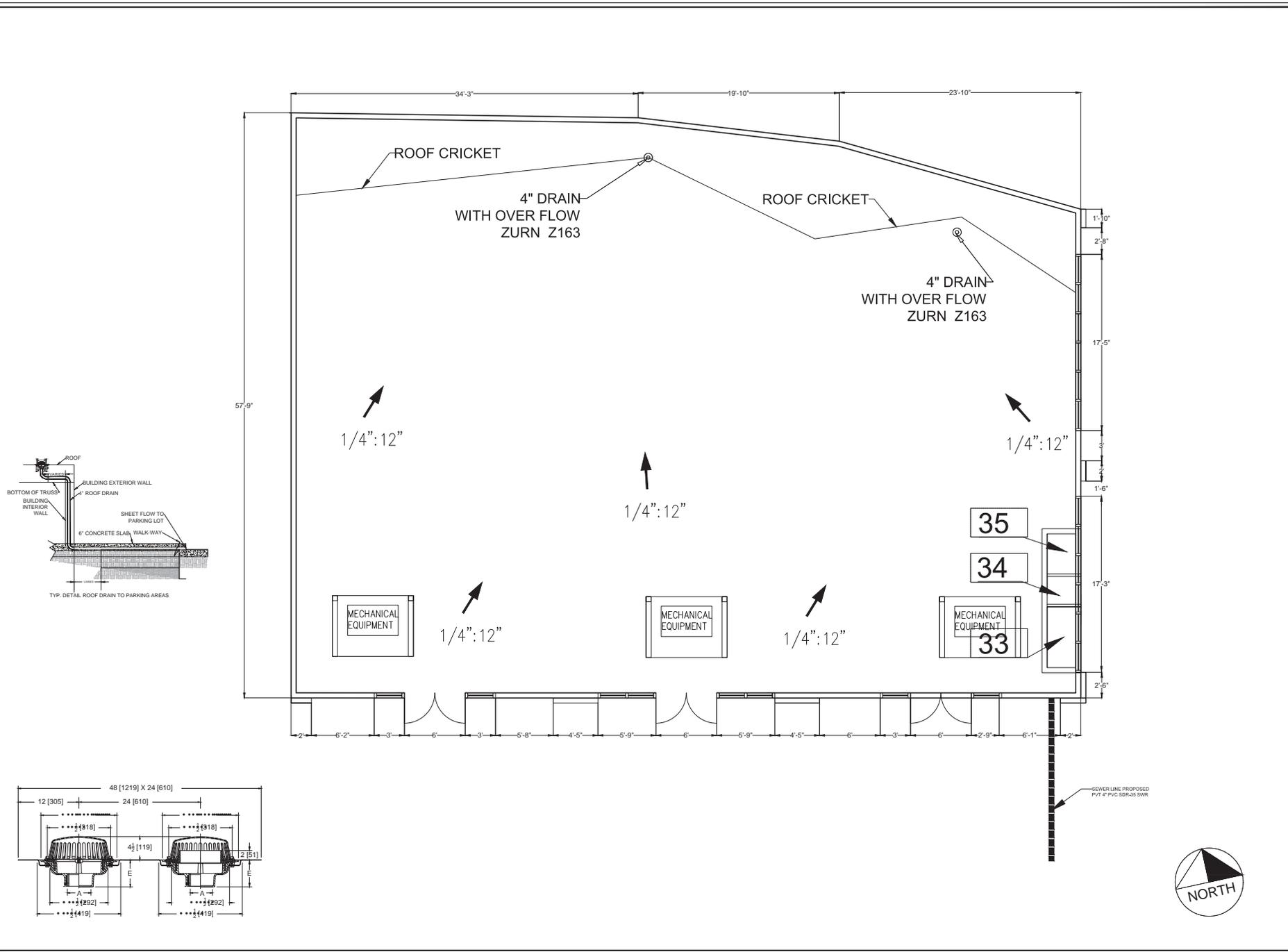


DRAWING STATUS	DATE
SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	
REVISIONS	DATE

JOB NO.	
CLIENT NO.	
DRAWN	
CHECKED	
SCALE	1/4" = 1'

SHEET TITLE  
**ROOF PLAN  
 BUILDING C**

SHEET NO.  
**A-15**



OWNER:  
 OWNER NAME  
 STREET ADDRESS  
 RIVERSIDE, CA  
 TELEPHONE

PROJECT DESIGNER:  
**APECO ENGINEERING**  
 328 N. STATE ST  
 HEMET, CA 92543



DRAWING STATUS	DATE
SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	

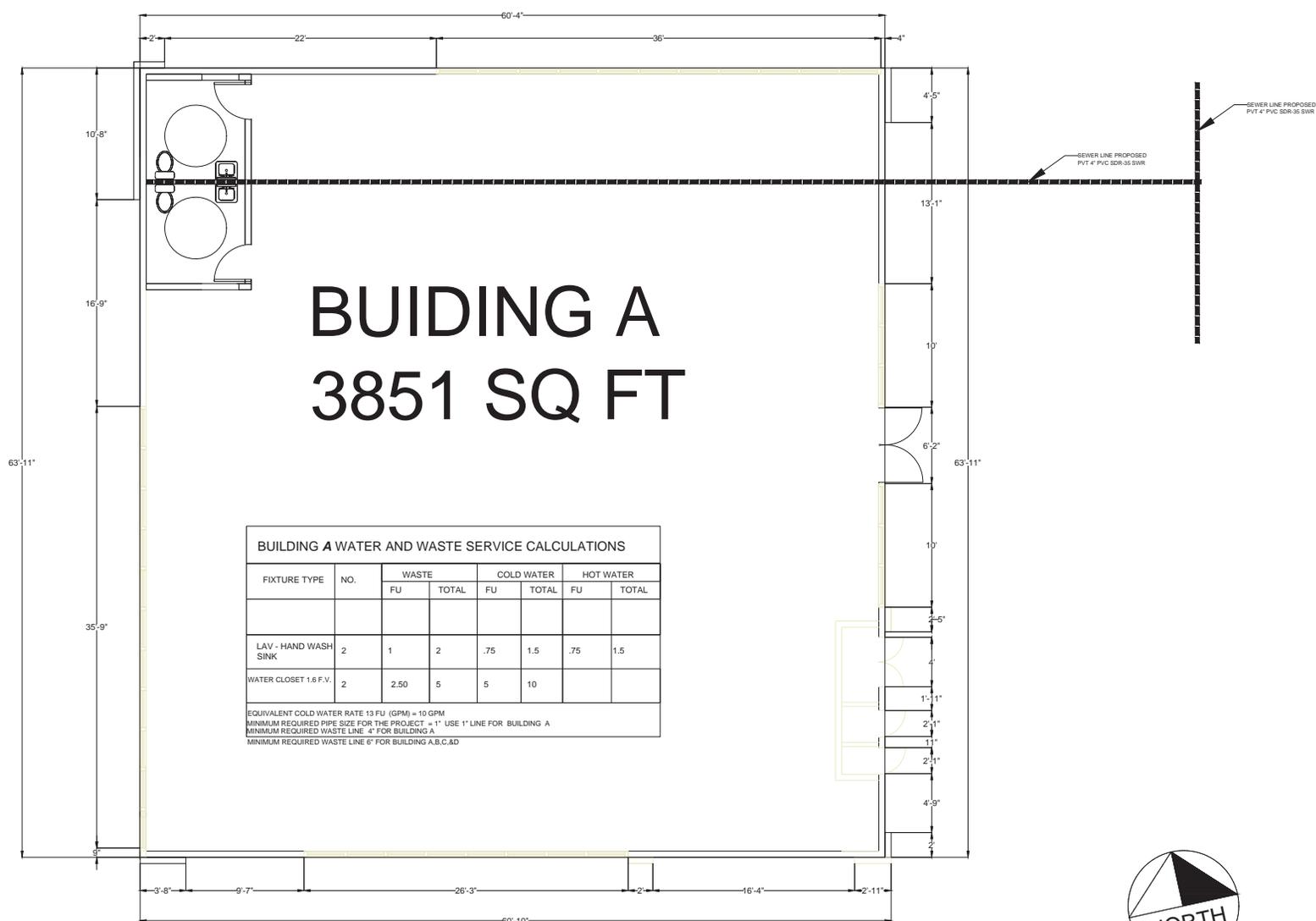
REVISIONS	DATE

JOB NO.	
CLIENT NO.	
DRAWN	
CHECKED	
SCALE	1/4" = 1'

SHEET TITLE  
**ROOF BUILDING  
 D**

SHEET NO.  
**A-16**





# BUILDING A

## 3851 SQ FT

BUILDING A WATER AND WASTE SERVICE CALCULATIONS							
FIXTURE TYPE	NO.	WASTE		COLD WATER		HOT WATER	
		FU	TOTAL	FU	TOTAL	FU	TOTAL
LAV - HAND WASH SINK	2	1	2	.75	1.5	.75	1.5
WATER CLOSET 1.6 F.V.	2	2.50	5	5	10		

EQUIVALENT COLD WATER RATE 13 FU (GPM) = 10 GPM  
 MINIMUM REQUIRED PIPE SIZE FOR THE PROJECT = 1" USE 1" LINE FOR BUILDING A  
 MINIMUM REQUIRED WASTE LINE 4" FOR BUILDING A  
 MINIMUM REQUIRED WASTE LINE 6" FOR BUILDING A,B,C.&D

WSFU FOR BUILDING A,B,C, & D				
INDIVIDUAL FIXTURES	MINIMUM FIXTURE BRANCH PIPE SIZE	WATER SUPPLY FIXTURE UNITS WSFU	NO. OF FIXTURES	TOTAL WSFU
WATER CLOSET WITH GRAVITY TANK	1/2"	2.5	12	30
LAVATORY	1/2"	1	12	12
TOTAL				42 WSFU

OWNER NAME  
 STREET ADDRESS  
 RIVERSIDE, CA  
 TELEPHONE

PROJECT DESIGNER:  
**APECO ENGINEERING**  
 328 N. STATE ST  
 HEMET, CA 92543



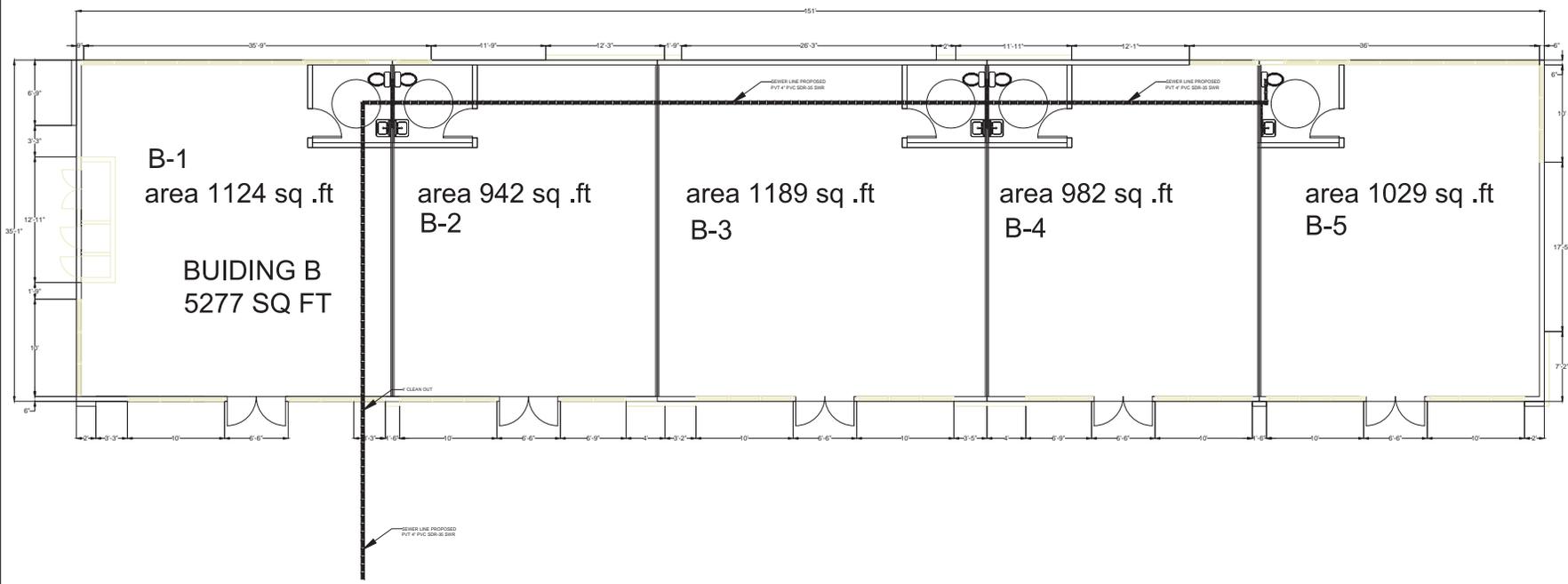
DRAWING STATUS	DATE
SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	

REVISIONS	DATE

JOB NO.	
CLIENT NO.	
DRAWN	
CHECKED	
SCALE	1/4" = 1'

SHEET TITLE  
**PLUMBING PLAN**  
**BUILDING A**

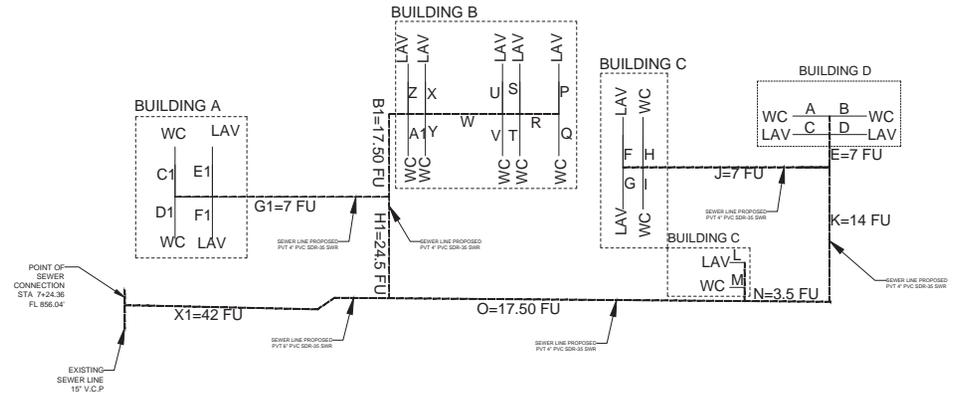
SHEET No.  
**A-17**



WSFU FOR BUILDING A,B,C, & D				
INDIVIDUAL FIXTURES	MINIMUM FIXTURE BRANCH PIPE SIZE	WATER SUPPLY FIXTURE UNITS WSFU	NO. OF FIXTURES	TOTAL WSFU
WATER CLOSET WITH GRAVITY TANK	1/2"	2.5	12	30
LAVATORY	1/2"	1	12	12
TOTAL				42 WSFU

BUILDING B WATER AND WASTE SERVICE CALCULATIONS							
FIXTURE TYPE	NO.	WASTE		COLD WATER		HOT WATER	
		FU	TOTAL	FU	TOTAL	FU	TOTAL
LAV - HAND WASH SINK	5	1	5	.75	3.75	.75	3.75
WATER CLOSET 1.6 F.V.	5	2.50	12.5	5	25		

EQUIVALENT COLD WATER RATE 30.2 FU (GPM) = 40 GPM  
 MINIMUM REQUIRED PIPE SIZE FOR THE PROJECT = 1" USE 1" LINE FOR BUILDING A  
 MINIMUM REQUIRED WASTE LINE 1" FOR BUILDING A  
 MINIMUM REQUIRED WASTE LINE 1" FOR BUILDING A,B,C & D



OWNER:  
 OWNER NAME  
 STREET ADDRESS  
 RIVERSIDE, CA  
 TELEPHONE

PROJECT DESIGNER:  
**APECO ENGINEERING**  
 328 N. STATE ST  
 HEMET, CA 92543



DRAWING STATUS	DATE
SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	
REVISIONS	DATE

JOB NO.	
CLIENT NO.	
DRAWN	
CHECKED	
SCALE	3/16" = 1"

SHEET TITLE  
**PLUMBING PLAN  
 BUILDING B**

SHEET NO.  
**A-18**

OWNER:

OWNER NAME  
RIVERSIDE, CA  
TELEPHONE

PROJECT DESIGNER:

**APECO ENGINEERING**  
328 N. STATE ST  
HEMET, CA 92543

AGENCY STAMP



DRAWING STATUS DATE

SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	

REVISIONS DATE

JOB NO.

CLIENT NO.

DRAWN

CHECKED

SCALE 3/16" = 1'

SHEET TITLE

**PLUMBING PLAN  
BUILDING C&D**

SHEET NO.

A-19

WSFU FOR BUILDING A,B,C, & D			
INDIVIDUAL FIXTURES	MINIMUM FIXTURE BRANCH PIPE SIZE	WATER SUPPLY FIXTURE UNITS WSFU	TOTAL WSFU
WATER CLOSET WITH GRAVITY TRANK	1/2"	2.5	12
LABATORY	1/2"	1	12
TOTAL			42 WSFU

4318 sq. ft  
**BUILDING D**

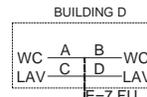
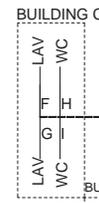
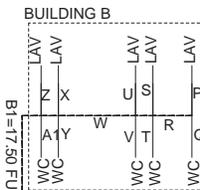
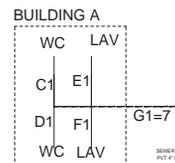
BUILDING C&D WATER AND WASTE SERVICE CALCULATIONS							
FIXTURE TYPE	NO.	WASTE		COLD WATER		HOT WATER	
		FU	TOTAL	FU	TOTAL	FU	TOTAL
LAV - HAND WASH SINK	5	1	5	.75	3.75	.75	3.75
WATER CLOSET 1.8 F.V.	5	2.50	12.5	5	25		

EQUIVALENT COLD WATER RATE 50 x FU (GPM) = 40 GPM  
 MINIMUM REQUIRED PIPE SIZE FOR THE PROJECT = 1" USE 1" LINE FOR BUILDING A  
 MINIMUM REQUIRED WASTE LINE 4" FOR BUILDING A  
 MINIMUM REQUIRED WASTE LINE 6" FOR BUILDING A,B,C, & D

C-1  
area 1651

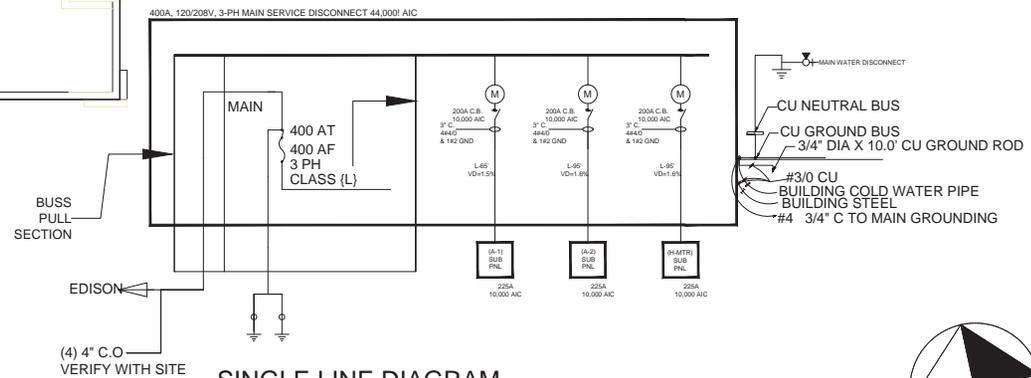
4596 sq. ft  
**BUILDING C**  
C-2  
area 1470

C-3  
area 1495





BUILDING A  
3851 SQ FT



**SINGLE LINE DIAGRAM**

- \_AT CONSTRUCTION A MINIMUM 1" CONDUIT WILL BE REQUIRED TO BE INSTALLED TO THE "FUTURE" EVCS PARKING SPACES WHICH WILL SUPPLY "FUTURE" CIRCUIT WIRING FOR ELECTRICAL VEHICLE SUPPLY EQUIPMENT (EVSE)



OWNER NAME  
STREET ADDRESS  
RIVERSIDE, CA  
TELEPHONE

PROJECT DESIGNER:

**APECO ENGINEERING**  
328 N. STATE ST  
HEMET, CA 92543

AGENCY STAMP



DRAWING STATUS    DATE

SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	

REVISIONS    DATE


JOB NO.

CLIENT NO.

DRAWN

CHECKED

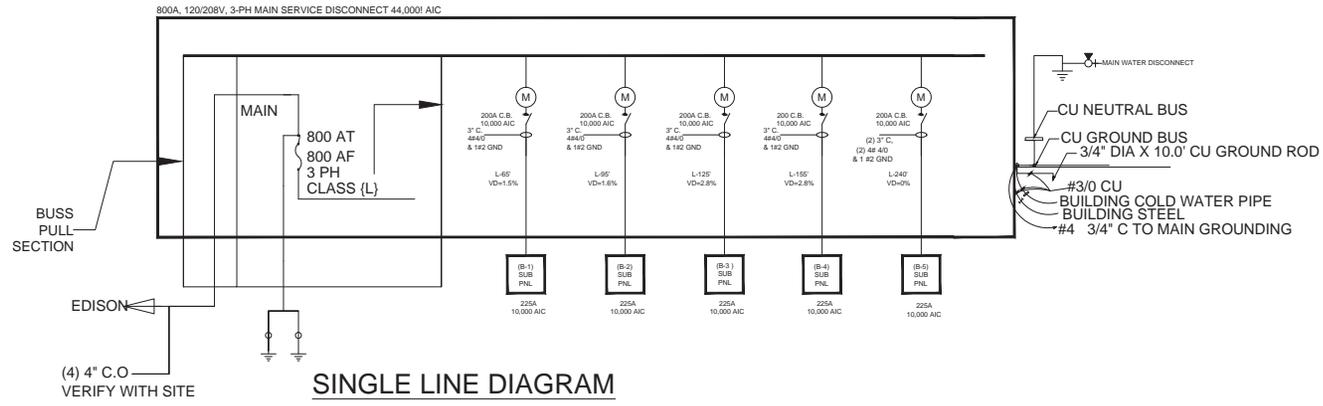
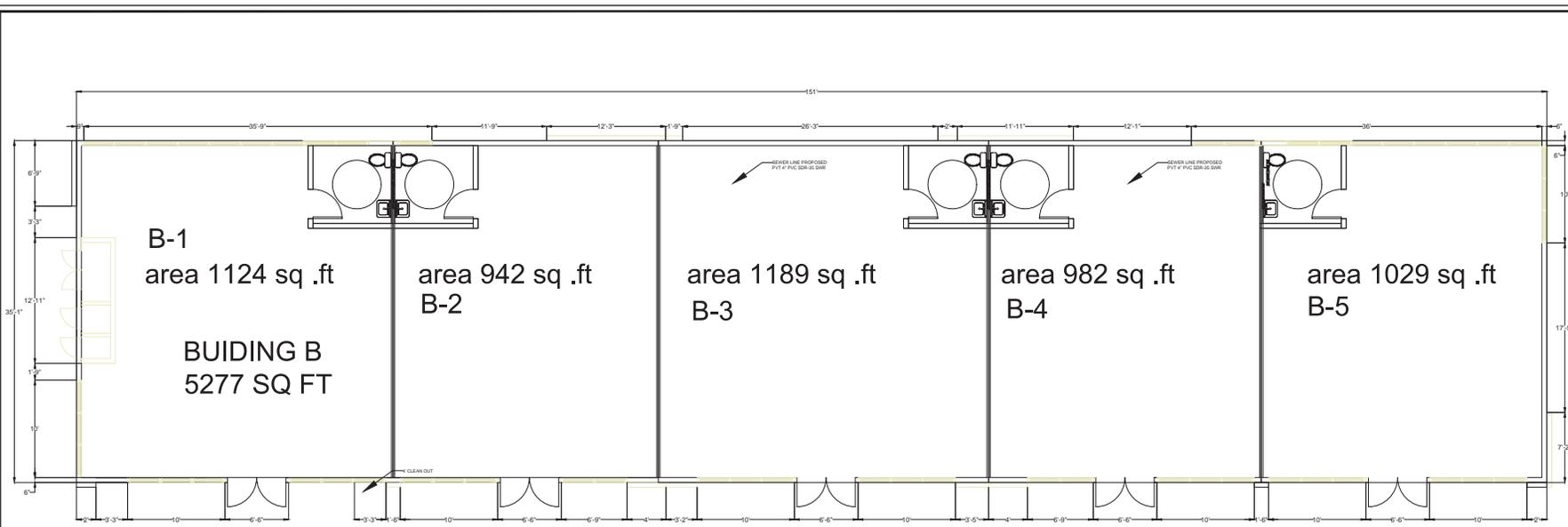
SCALE    1/4" = 1'

SHEET TITLE

**ELECTRICAL  
PLAN BUILDING  
A**

SHEET NO.

E-1



- AT CONSTRUCTION A MINIMUM 1" CONDUIT WILL BE REQUIRED TO BE INSTALLED TO THE "FUTURE" EVCS PARKING SPACES WHICH WILL SUPPLY "FUTURE" CIRCUIT WIRING FOR ELECTRICAL VEHICLE SUPPLY EQUIPMENT (EVSE)



OWNER:  
 OWNER NAME  
 STREET ADDRESS  
 RIVERSIDE, CA  
 TELEPHONE

PROJECT DESIGNER:  
**APECO ENGINEERING**  
 328 N. STATE ST  
 HEMET, CA 92543

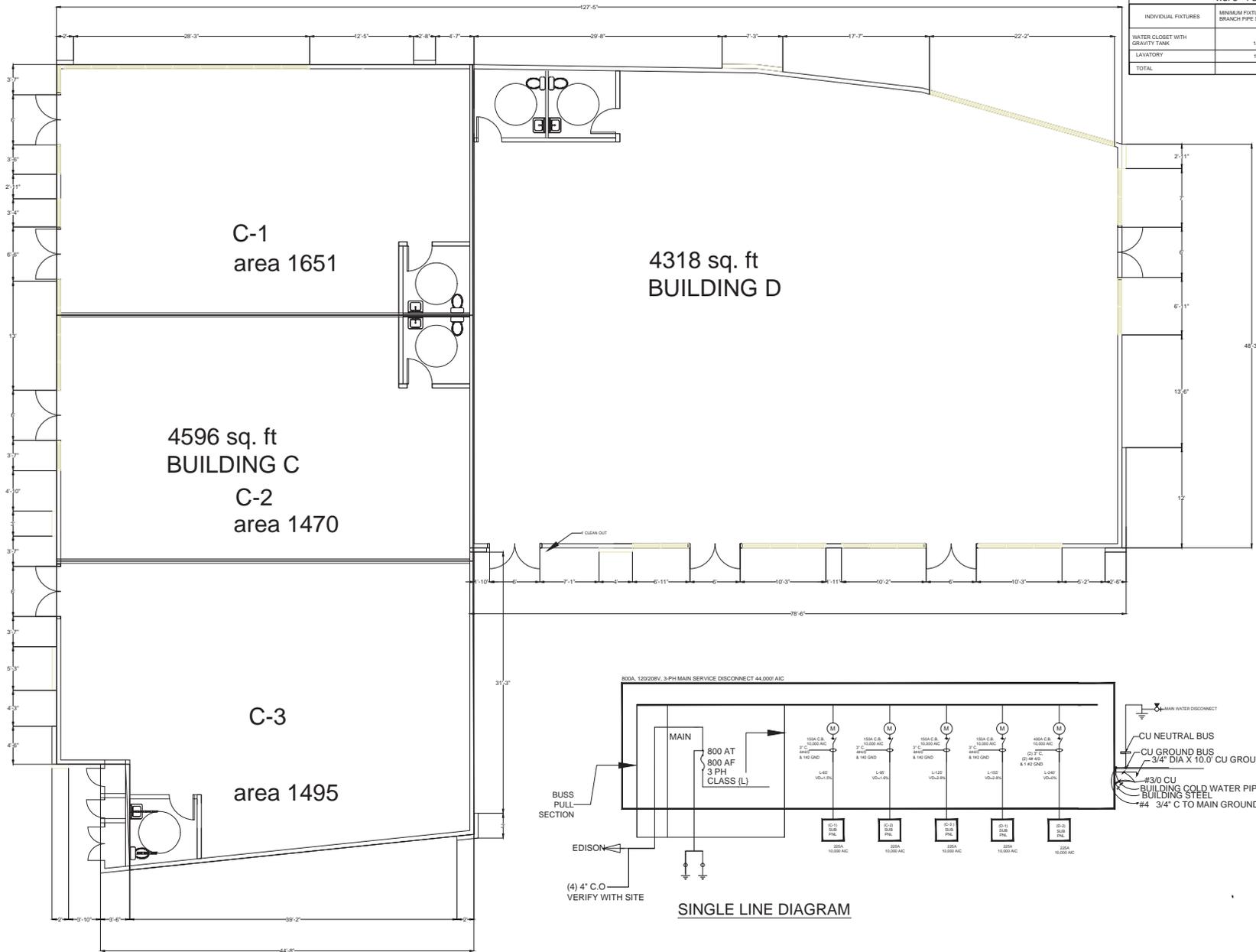


DRAWING STATUS	DATE
SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	
REVISIONS	DATE

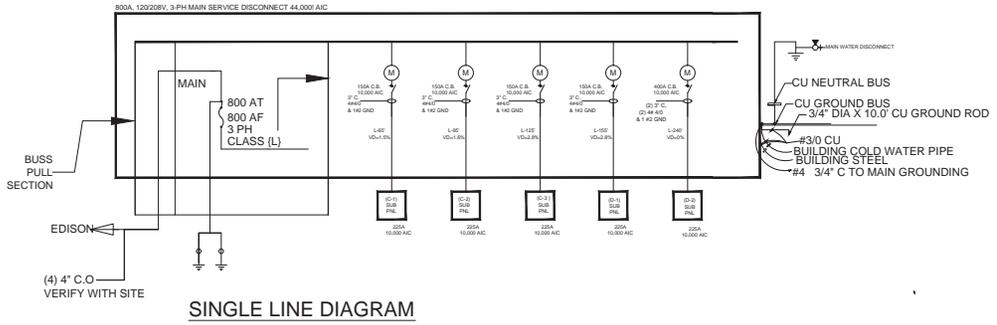
JOB NO.	
CLIENT NO.	
DRAWN	
CHECKED	
SCALE	3/16" = 1'

SHEET TITLE  
**ELECTRICAL  
 PLAN BUILDING  
 B**

SHEET NO.  
**E-2**



WSFU FOR BUILDING A,B,C, & D			
INDIVIDUAL FIXTURES	MINIMUM FIXTURE BRANCH PIPE SIZE	WATER SUPPLY FIXTURE UNITS WSFU	TOTAL WSFU
WATER CLOSET WITH GRAVITY TANK	1/2"	2.5	30
LAVATORY	1/2"	1	12
TOTAL			42 WSFU



**SINGLE LINE DIAGRAM**

• AT CONSTRUCTION A MINIMUM 1" CONDUIT WILL BE REQUIRED TO BE INSTALLED TO THE "FUTURE" EVCS PARKING SPACES WHICH WILL SUPPLY "FUTURE" CIRCUIT WIRING FOR ELECTRICAL VEHICLE SUPPLY EQUIPMENT (EVSE)

OWNER:  
 OWNER NAME  
 STREET ADDRESS  
 RIVERSIDE, CA  
 TELEPHONE

PROJECT DESIGNER:  
**APECO ENGINEERING**  
 328 N. STATE ST  
 HEMET, CA 92543



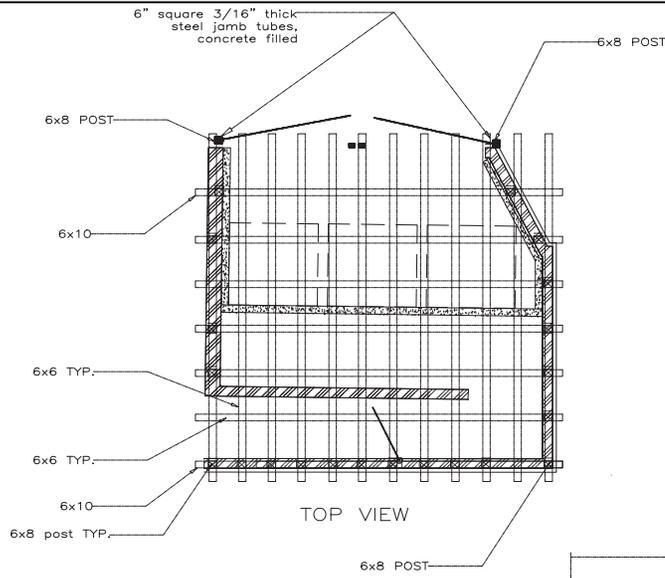
DRAWING STATUS	DATE
SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	
REVISIONS	DATE

JOB NO.	
CLIENT NO.	
DRAWN	
CHECKED	
SCALE	3/16" = 1'

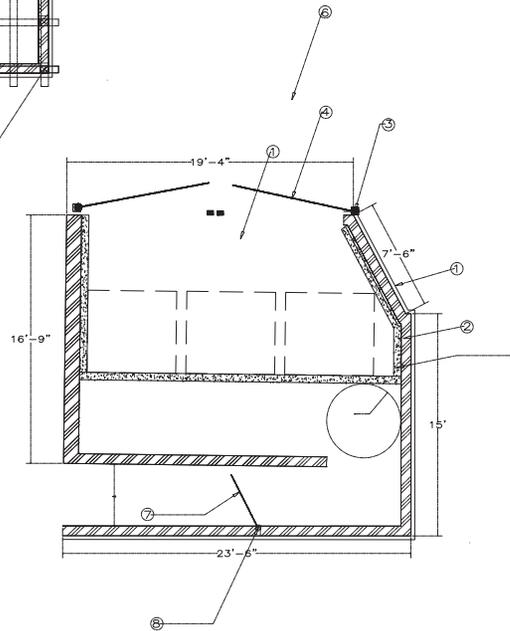
SHEET TITLE  
**ELECTRICAL  
 PLAN BUILDING  
 C&D**

SHEET NO.  
**E-3**





TOP VIEW

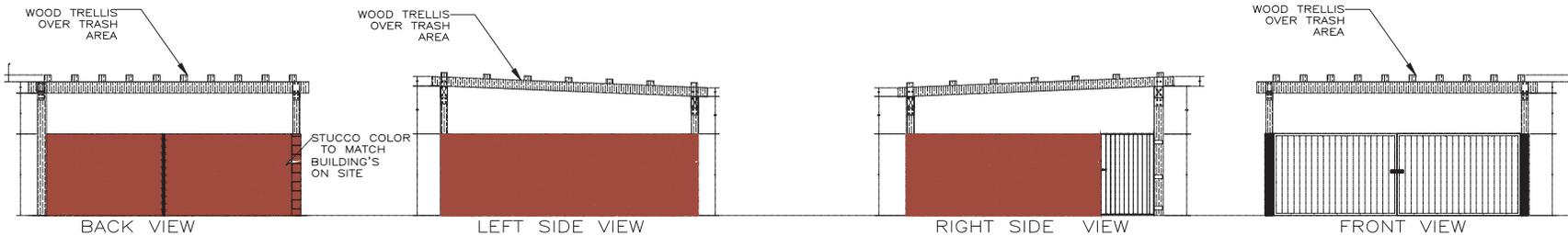


GATE DETAIL

**TRASH ENCLOSURE CONSTRUCTION**

**NOTES**

- (1). 4" PCC foundation, extending 4" beyond enclosure walls, over 90% compacted base.
- (2). \* 8" x 8" x 16" (8" x 6" x 16" OK for slumped block), 6" high masonry walls, stucco to match the building
- (3). 6" square 3/16" thick steel jamb tubes, concrete filled, 2" clearance between tube and walls.
- (4). 16 ga. ribbed metal gates with 2" x 2" x 1/4" steel angle iron frame and diagonal bracing. Continuous weld all joints.
- (5). 6" x 6" PCC curb.
- (6). 6" thick PCC loading pad over 90% compacted base, 4% maximum slope.
- (7). Pedestrian gate, constructed to standards of Construction Note 4.
- (8). Metal hinge, continuously welded to gate and jamb tube.
- (9). 3/16" metal plate with slide bolt assembly welded in place.
- (10). 14" x 36" PCC footing.
- (11). #4 horizontal re-bar.
- (12). #4 vertical re-bar @ 32" O/C in PCC filled cells.
- (13). #4 re-bar continuous in footing under walls and gate openings.
- (14). Cone bolt and cone bolt receptacle coordinated to complement surrounding architecture to Design Review Board approval city of Murrieta



BACK VIEW

LEFT SIDE VIEW

RIGHT SIDE VIEW

FRONT VIEW

OWNER:

APPLICANTS NAME :  
KHALID HASAN ALI  
PHONE NUMBER :  
714-553-0959

PROJECT DESIGNER:

**APECO ENGINEERING**  
328 N. STATE ST  
HEMET, CA 92543

AGENCY STAMP



Assessor's Parcel Numbers  
210-043-002,  
210-043-005,  
210-043-006,  
210-043-007,  
210-043-008,  
210-043-009,  
210-043-040,  
210-043-041,  
210-043-042,  
property description  
Lots 9 through 18 in  
Block 2 of Lansdowne  
Division, Located on  
the Southwest Corner  
of Columbia Avenue  
and Chicago  
Avenue, City of  
Riverside, Riverside  
County, California

DRAWING STATUS	DATE
SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	

REVISIONS DATE

JOB NO.	
CLIENT NO.	
DRAWN	
CHECKED	
SCALE	

SHEET TITLE

**TRASH  
ENCLOSURE**

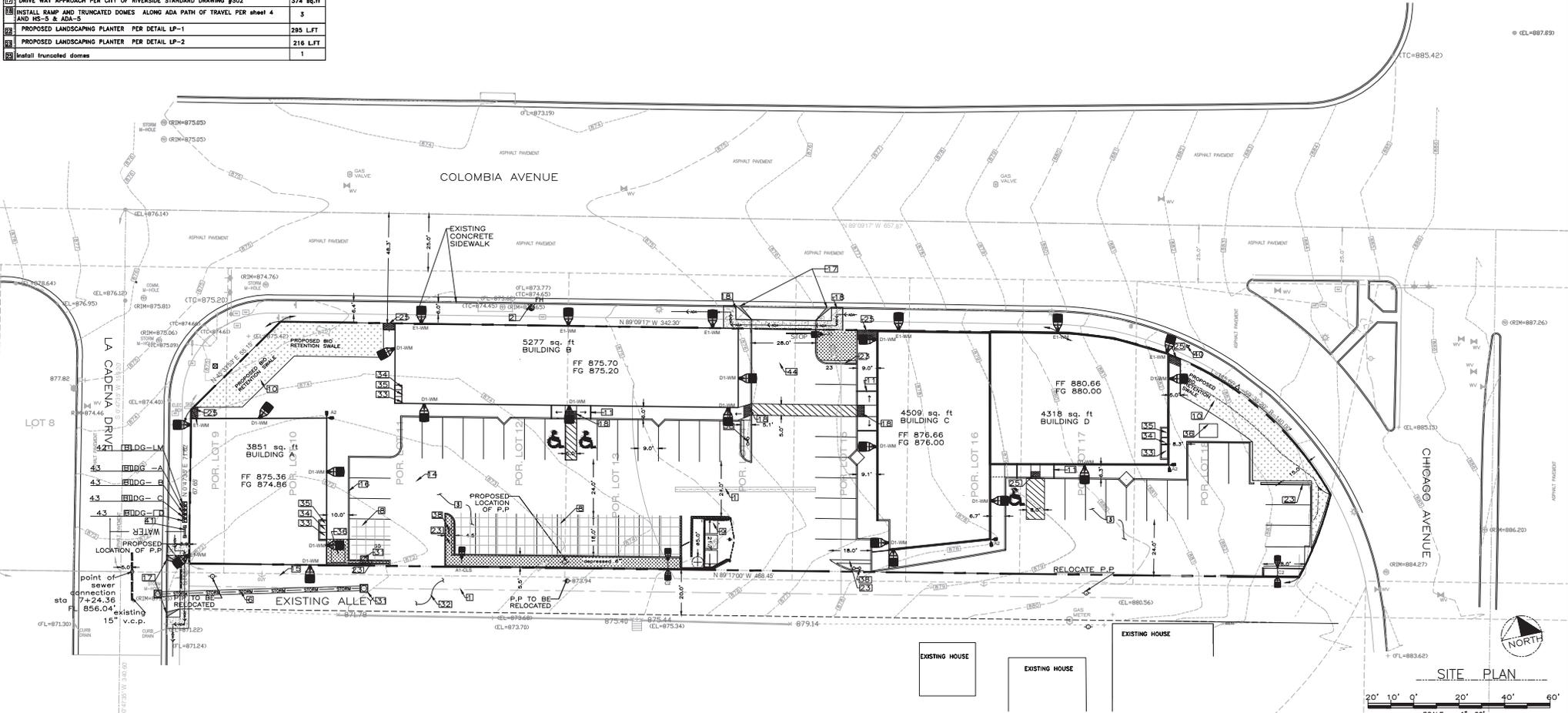
SHEET NO.

**TRASH-1**

DESCRIPTION	Construction Notes	QUANTITY
11	CONSTRUCT 24" CONCRETE RIBBON PER DETAIL G-1 ON SHEET 4	241 LF
12	EXISTING FINE WIDEN	1 EACH
13	3000 PSI 6" CONCRETE OVER 95% MIN. COMPACTED NATIVE SOIL (MINIMUM WIDTH 20') TO SUPPORT THE IMPOSED LOADS OF 40,000 POUND LIVE LOAD (GROSS VEHICLE WEIGHT DISTRIBUTED OVER TWO AXLES). DRIVEWAYS # 3920 SQ. FT. PARKING (CONCRETE) 32170 SQ. FT.	20,205 SQ.FT.
14	INSTALL 18" (R.C.P.) REINFORCED CONCRETE PIPE 244 LFT Type-4 B-LANDING #1481 Class V D-Load (60/110) for Type Bedding	753 LF
15	CONCRETE FINISH SWALE 18"X13" 50 FT PER DETAIL PER SECTION PP-1	1782 FT-2
16	TRASH ENCLOSURE QUANTITY 1 REFER TO BUILDING PLANS SHEET 5 OF 5 UNDER A SEPARATE PERMIT	1
17	SURFACE BIO RETENTION SWALE 80"X13" PER SECTION A-4, A-5, A-6, A-6.1 ON SHEET 4	1
18	ADA RAMP PER CITY OF RIVERSIDE STANDARD DRAWING #304 TYPE 3	2
19	SEWER LINE PROPOSED PVT 4" PVC SDR-35 SWR	xx LF
20	SEWER LINE PROPOSED PVT 6" PVC SDR-35 SWR	xx LF
21	CURB PER CITY OF RIVERSIDE STANDARD DRAWING #200 TYPE 2	1225 LFT
22	DRIVE WAY APPROACH PER CITY OF RIVERSIDE STANDARD DRAWING #302	374 sq.ft
23	INSTALL RAMP AND TRUNCATED DOMES ALONG ADA PATH OF TRAVEL PER sheet 4 AND HS-5 & ADA-3	5
24	PROPOSED LANDSCAPING PLANTER PER DETAIL LP-1	235 LFT
25	PROPOSED LANDSCAPING PLANTER PER DETAIL LP-2	216 LFT
26	Install truncated domes	1

DESCRIPTION	Construction Notes	QUANTITY
27	BROOKS BOX 24"X24" SEE DETAIL ON SHEET 3	1
28	ALLEY PER CITY OF RIVERSIDE STANDARD DRAWING #110 TYPE 2	8850 sq.ft
29	ELECTRIC PANEL ROOM	4
30	FIRE RISER ROOM	4
31	DATA ROOM	4
32	ELECTRIC TRANSFORMER UNDERGROUND	3
33	6" PVC storm drain pipe	2
34	INSTALL P.L.V. 4" P.V.C. W/TAMPER SWITCH ASSEMBLY	3
35	PROPOSED FIRE HYDRANT ON CHICAGO	1
36	INSTALL 8" DOUBLE DETECTOR CHECK PER MWWD STANDARD DETAIL (Master Series 870v double check valve assemblies 2-1/2"-10")	1
37	WATER METER LANDSCAPING	1
38	WATER METER	4
39	DECORATIVE DRIVE WAY ENTRANCE STAMP CONCRETE COLOR (BATA RED)	432 SQ. FT.

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LF	Description	Total Watts	BUD Rating	Lum. Watts
[Symbol]	1	A1	SINGLE	N.A.	0.950	VISONAIRE VSX-1-73-16LC-7-3K-VOLT SINGLE @ 29' MTG. HT. (N)	111	B1-UD-G1	37
[Symbol]	1	A1-CLS	SINGLE	N.A.	0.950	VISONAIRE VSX-1-73-16LC-7-3K-VOLT.CLS SINGLE @ 29' MTG. HT. (N)	108	B0-UD-G2	36
[Symbol]	1	A2	2 @ 90°	N.A.	0.950	VISONAIRE VSX-1-13-16LC-7-3K-VOLT D90° @ 25' MTG. HT. (N)	148	B1-UD-G1	37
[Symbol]	2	CJ	D180°	N.A.	0.950	VISONAIRE VSX-1-13-16LC-7-3K-VOLT D180° @ 25' MTG. HT. (N)	148	B0-UD-G1	37
[Symbol]	16	D1-WM	SINGLE	N.A.	0.950	VISONAIRE VSX-1-74-16LC-3K-VOLT WM @ 19' MTG. HT. (N)	350	B1-UD-G1	18
[Symbol]	8	E1-WM	SINGLE	N.A.	0.950	VISONAIRE VSX-1-74-16LC-3K-VOLT WM @ 9' MTG. HT. (N)	72	B1-UD-G1	18



**"AS BUILT"**

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT RELIEVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN.

ENGINEER OF WORK: JALAL I. RAHMAN DATE: 01/17/2019

RCE NO. C77969 EXPIRATION DATE: 06/30/2019

Underground Service Alert

Call: TOLL FREE 1-800-422-4133

NO WORKING DAYS BEFORE YOU DIG

SEAL

**APECO ENGINEERING**

328 N. STATE ST  
HEMET, CA 92543

1-760-497-3795  
JMW@APECOENGINEERING.COM

PREPARED BY: JALAL IBRAHIM RAHMAN DATE: 04/17/2018

ENGR. NAME: JALAL IBRAHIM RAHMAN RCE NO. C77969 EXP. DATE: 06/30/2019

11/15/2018

SHEET SP-1

CITY OF RIVERSIDE ENGINEERING DEPARTMENT

GRADING PLAN

Assessor's Parcel Numbers: 210-043-005, 210-043-006, 210-043-007, 210-043-008, 210-043-009, 210-043-040, 210-043-041, 210-043-042, 210-043-043, 210-043-044, 210-043-045, 210-043-046, 210-043-047, 210-043-048, 210-043-049, 210-043-050, 210-043-051, 210-043-052, 210-043-053, 210-043-054, 210-043-055, 210-043-056, 210-043-057, 210-043-058, 210-043-059, 210-043-060, 210-043-061, 210-043-062, 210-043-063, 210-043-064, 210-043-065, 210-043-066, 210-043-067, 210-043-068, 210-043-069, 210-043-070, 210-043-071, 210-043-072, 210-043-073, 210-043-074, 210-043-075, 210-043-076, 210-043-077, 210-043-078, 210-043-079, 210-043-080, 210-043-081, 210-043-082, 210-043-083, 210-043-084, 210-043-085, 210-043-086, 210-043-087, 210-043-088, 210-043-089, 210-043-090, 210-043-091, 210-043-092, 210-043-093, 210-043-094, 210-043-095, 210-043-096, 210-043-097, 210-043-098, 210-043-099, 210-043-100, 210-043-101, 210-043-102, 210-043-103, 210-043-104, 210-043-105, 210-043-106, 210-043-107, 210-043-108, 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SNTS

**Pole EPA for Square Non Tapered Steel Pole**

Pole Height	Max. Allowable EPA Weight	10' High	12' High	14' High	16' High	18' High	20' High	22' High	24' High	26' High	28' High	30' High
10'	25.1	25.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
12'	23.6	17.9	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
14'	18.8	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
16'	15.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
18'	11.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
20'	9.3	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
22'	7.8	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
24'	6.4	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
26'	5.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
28'	3.9	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
30'	2.9	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1

For Client Build EPA, consult factory.

**2 x 4 BOA Drill Pattern**

**2 x 6 BOA Drill Pattern**

**CAUTION:** If any additional stress such as high, medium, or heavy, or any other such stress is added to poles, Visionaire Lighting's normal product guarantee is null and void. Additionally, adding such stress to any pole may require alternative conditions. Poles are designed to withstand design wind velocities of 100 mph and 120 mph wind gusts in a 3-foot force depending on height, soil conditions, and nearby terrain. For an exact rating on a specific order, contact Visionaire directly.

SNTS

**SCA100**

R AND B INVESTMENT

SCA-2 EPA 24"-1.8/48"-2.3/60"-2.7

SCA-3 EPA 24"-1.2/36"-1.6

SCA-4 EPA 24"-1.3

SCA100 in-line Cross Arms are constructed of 11-gauge square steel tubing with 2 1/2" diameter 4" tall latches. Designed to slip-fit over 4" square or 4 1/2" square poles or latches and attach with 3/8" stainless steel Allen head set screws. Available with 2, 3 or 4 latches. Please consult factory for custom configuration or mounting options.

Material	Fixture Tension C-20-C	Pole or Tension Size	Finish
SCA-2	36" (96)	4" x 4" (4)	Stainless (S)
	48" (144)	4" x 4" (4)	Black (BK)
	60" (180)	4" x 4" (4)	White (WH)
SCA-3	36" (96)	4" x 4" (4)	Stainless (S)
SCA-4	36" (96)	4" x 4" (4)	Black (BK)
	36" (96)	4" x 4" (4)	White (WH)
	36" (96)	4" x 4" (4)	Grey (GR)
	36" (96)	4" x 4" (4)	Silver Metallic (SL)
	36" (96)	4" x 4" (4)	Custom Color (CC)

**RCA100**

RCA-2 EPA 24"-1.8/48"-2.3/60"-2.7

RCA-3 EPA 24"-1.2/36"-1.6

RCA-4 EPA 24"-1.3

RCA100 in-line Cross Arms are constructed of 11-gauge square steel tubing with 2 1/2" diameter 4" tall latches. Designed to slip-fit over 2 1/2", 3", 3 1/2", 4" or 4 1/2" diameter poles or latches and attach with 3/8" stainless steel Allen head set screws. Available with 2, 3 or 4 latches. Please consult factory for custom configuration or mounting options.

Material	Fixture Tension C-20-C	Pole or Tension Size	Finish
RCA-2	36" (96)	2 1/2" (2)	Stainless (S)
	48" (144)	2 1/2" (2)	Black (BK)
	60" (180)	2 1/2" (2)	White (WH)
RCA-3	36" (96)	3" (3)	Stainless (S)
RCA-4	36" (96)	3 1/2" (3)	Black (BK)
	36" (96)	3 1/2" (3)	White (WH)
	36" (96)	3 1/2" (3)	Grey (GR)
	36" (96)	3 1/2" (3)	Silver Metallic (SL)
	36" (96)	3 1/2" (3)	Custom Color (CC)

**SCA200**

R AND B INVESTMENT

SCA-T20 EPA 2.9

SCA-T120 EPA 2.8

SCA-G20 EPA 2.7

SCA200 Cross Arms are constructed of 11-gauge square steel tubing with 2 1/2" diameter 4" tall latches. Designed to slip-fit over 4" square or 4 1/2" square poles or latches and attach with 3/8" stainless steel Allen head set screws. Available in Triple 50", Triple 70" and Quad configurations. Please consult factory for custom configuration or mounting options.

Material	Fixture Tension C-20-C	Pole or Tension Size	Finish
SCA-T20	30" (76)	4" x 4" (4)	Stainless (S)
	30" (76)	4" x 4" (4)	Black (BK)
	30" (76)	4" x 4" (4)	White (WH)
SCA-T120	30" (76)	4" x 4" (4)	Stainless (S)
SCA-G20	30" (76)	4" x 4" (4)	Black (BK)
	30" (76)	4" x 4" (4)	White (WH)
	30" (76)	4" x 4" (4)	Grey (GR)
	30" (76)	4" x 4" (4)	Silver Metallic (SL)
	30" (76)	4" x 4" (4)	Custom Color (CC)

**RCA200**

RCA-T20 EPA 2.9

RCA-T120 EPA 2.8

RCA-G20 EPA 2.7

RCA200 Cross Arms are constructed of 11-gauge square steel tubing with 2 1/2" diameter 4" tall latches. Designed to slip-fit over 2 1/2", 3", 3 1/2", 4" or 4 1/2" diameter poles or latches and attach with 3/8" stainless steel Allen head set screws. Available in Triple 50", Triple 70" and Quad configurations. Please consult factory for custom configuration or mounting options.

Material	Fixture Tension C-20-C	Pole or Tension Size	Finish
RCA-T20	30" (76)	2 1/2" (2)	Stainless (S)
	30" (76)	2 1/2" (2)	Black (BK)
	30" (76)	2 1/2" (2)	White (WH)
RCA-T120	30" (76)	2 1/2" (2)	Stainless (S)
RCA-G20	30" (76)	2 1/2" (2)	Black (BK)
	30" (76)	2 1/2" (2)	White (WH)
	30" (76)	2 1/2" (2)	Grey (GR)
	30" (76)	2 1/2" (2)	Silver Metallic (SL)
	30" (76)	2 1/2" (2)	Custom Color (CC)

**VISIONAIRE LIGHTING**

SNTS

**Square Non Tapered Steel Pole**

ASTM A513 Grade B tubing with minimum yield strength of 48,000 PSI. Steel is furnished with standard hot-dip zinc coating. Contact for all technical data at 1-800-368-6666.

**Base Plate**

Steel plates for ASTM A513 are hot-dip zinc coated, made to exact dimensions per strength of 30,000 PSI.

**Base Cover**

Hot-dip zinc coated square plates, made to exact dimensions per strength of 30,000 PSI.

**Pole Cap**

Color-matched cap for square poles, made to exact dimensions.

**Finish**

48 poles are stockpiled and coated in a clean white base paint to prevent rust. Custom color powder coating is available. Contact for all technical data at 1-800-368-6666. All dimensions are in inches unless otherwise noted. All dimensions are in inches unless otherwise noted. All dimensions are in inches unless otherwise noted. All dimensions are in inches unless otherwise noted.

Wood	Steel Size	Galv.	Splice	Height	Weight	Material	Finish
4" x 4" (40)	1"	10	8" Base (8)	10'	100	Steel A513	Black (BK)
	1 1/2"	12	10" Base (10)	12'	144	Steel A513	Black (BK)
	2"	14	12" Base (12)	14'	196	Steel A513	Black (BK)
	2 1/2"	16	14" Base (14)	16'	256	Steel A513	Black (BK)
	3"	18	16" Base (16)	18'	324	Steel A513	Black (BK)
	3 1/2"	20	18" Base (18)	20'	400	Steel A513	Black (BK)
	4"	22	20" Base (20)	22'	484	Steel A513	Black (BK)
	4 1/2"	24	22" Base (22)	24'	576	Steel A513	Black (BK)
	5"	26	24" Base (24)	26'	676	Steel A513	Black (BK)
	5 1/2"	28	26" Base (26)	28'	784	Steel A513	Black (BK)
	6"	30	28" Base (28)	30'	900	Steel A513	Black (BK)
	6 1/2"	32	30" Base (30)	32'	1024	Steel A513	Black (BK)
	7"	34	32" Base (32)	34'	1156	Steel A513	Black (BK)
	7 1/2"	36	34" Base (34)	36'	1296	Steel A513	Black (BK)
	8"	38	36" Base (36)	38'	1444	Steel A513	Black (BK)
	8 1/2"	40	38" Base (38)	40'	1600	Steel A513	Black (BK)
	9"	42	40" Base (40)	42'	1764	Steel A513	Black (BK)
	9 1/2"	44	42" Base (42)	44'	1936	Steel A513	Black (BK)
	10"	46	44" Base (44)	46'	2116	Steel A513	Black (BK)
	10 1/2"	48	46" Base (46)	48'	2304	Steel A513	Black (BK)
	11"	50	48" Base (48)	50'	2500	Steel A513	Black (BK)
	11 1/2"	52	50" Base (50)	52'	2704	Steel A513	Black (BK)
	12"	54	52" Base (52)	54'	2916	Steel A513	Black (BK)
	12 1/2"	56	54" Base (54)	56'	3136	Steel A513	Black (BK)
	13"	58	56" Base (56)	58'	3364	Steel A513	Black (BK)
	13 1/2"	60	58" Base (58)	60'	3600	Steel A513	Black (BK)
	14"	62	60" Base (60)	62'	3844	Steel A513	Black (BK)
	14 1/2"	64	62" Base (62)	64'	4096	Steel A513	Black (BK)
	15"	66	64" Base (64)	66'	4356	Steel A513	Black (BK)
	15 1/2"	68	66" Base (66)	68'	4624	Steel A513	Black (BK)
	16"	70	68" Base (68)	70'	4900	Steel A513	Black (BK)
	16 1/2"	72	70" Base (70)	72'	5184	Steel A513	Black (BK)
	17"	74	72" Base (72)	74'	5476	Steel A513	Black (BK)
	17 1/2"	76	74" Base (74)	76'	5776	Steel A513	Black (BK)
	18"	78	76" Base (76)	78'	6084	Steel A513	Black (BK)
	18 1/2"	80	78" Base (78)	80'	6400	Steel A513	Black (BK)
	19"	82	80" Base (80)	82'	6724	Steel A513	Black (BK)
	19 1/2"	84	82" Base (82)	84'	7056	Steel A513	Black (BK)
	20"	86	84" Base (84)	86'	7400	Steel A513	Black (BK)
	20 1/2"	88	86" Base (86)	88'	7756	Steel A513	Black (BK)
	21"	90	88" Base (88)	90'	8124	Steel A513	Black (BK)
	21 1/2"	92	90" Base (90)	92'	8504	Steel A513	Black (BK)
	22"	94	92" Base (92)	94'	8896	Steel A513	Black (BK)
	22 1/2"	96	94" Base (94)	96'	9300	Steel A513	Black (BK)
	23"	98	96" Base (96)	98'	9716	Steel A513	Black (BK)
	23 1/2"	100	98" Base (98)	100'	10144	Steel A513	Black (BK)

**VISIONAIRE LIGHTING**

Fixtures housing shall comply with cut-off shielding (NO UPLIGHTS) unless they're Category III lighting and off at 11:00pm; 4,050 lumens maximum output; and for LED a maximum 3K color temperature rating; and a complete site photometric and Title 24 exterior outside lighting calculations.

ENGINEER OF WORK: JALAL I RAHMAN	DATE: 01/17/2019	SEAL: [Professional Engineer Seal]	06/15/2019	SHEET: SP-1	CITY OF RIVERSIDE ENGINEERING DEPARTMENT	SHEETS
RCE NO. C77969	EXPIRATION DATE: 06/30/2019	SCALE: HORIZONTAL			GRADING PLAN	
Underground Service Alert	BENCH MARK: SOURCE BENCHMARK: CITY OF RIVERSIDE BENCHMARK 7743 6X IN. AND CITY ENGINEER TAG IN THE STREET LIGHT BASE AT THE NORTHWEST CORNER RETURN OF LAUREL AVENUE AND MARLBOROUGH AVENUE	PREPARED BY: JALAL IBRAHIM RAHMAN	DATE: 04/17/2018		Assessor's Parcel Numbers 210-043-002, 210-043-005, 210-043-006, 210-043-007, 210-043-008, 210-043-009, 210-043-010, 210-043-011, 210-043-012, 210-043-013, 210-043-014, 210-043-015, 210-043-016, 210-043-017, 210-043-018, 210-043-019, 210-043-020, 210-043-021, 210-043-022, 210-043-023, 210-043-024, 210-043-025, 210-043-026, 210-043-027, 210-043-028, 210-043-029, 210-043-030, 210-043-031, 210-043-032, 210-043-033, 210-043-034, 210-043-035, 210-043-036, 210-043-037, 210-043-038, 210-043-039, 210-043-040, 210-043-041, 210-043-042, 210-043-043, 210-043-044, 210-043-045, 210-043-046, 210-043-047, 210-043-048, 210-043-049, 210-043-050, 210-043-051, 210-043-052, 210-043-053, 210-043-054, 210-043-055, 210-043-056, 210-043-057, 210-043-058, 210-043-059, 210-043-060, 210-043-061, 210-043-062, 210-043-063, 210-043-064, 210-043-065, 210-043-066, 210-043-067, 210-043-068, 210-043-069, 210-043-070, 210-043-071, 210-043-072, 210-043-073, 210-043-074, 210-043-075, 210-043-076, 210-043-077, 210-043-078, 210-043-079, 210-043-080, 210-043-081, 210-043-082, 210-043-083, 210-043-084, 210-043-085, 210-043-086, 210-043-087, 210-043-088, 210-043-089, 210-043-090, 210-043-091, 210-043-092, 210-043-093, 210-043-094, 210-043-095, 210-043-096, 210-043-097, 210-043-098, 210-043-099, 210-043-100, 210-043-101, 210-043-102, 210-043-103, 210-043-104, 210-043-105, 210-043-106, 210-043-107, 210-043-108, 210-043-109, 210-043-110, 210-043-111, 210-043-112, 210-043-113, 210-043-114, 210-043-115, 210-043-116, 210-043-117, 210-043-118, 210-043-119, 210-043-120, 210-043-121, 210-043-122, 210-043-123, 210-043-124, 210-043-125, 210-043-126, 210-043-127, 210-043-128, 210-043-129, 210-043-130, 210-043-131, 210-043-132, 210-043-133, 210-043-134, 210-043-135, 210-043-136, 210-043-137, 210-043-138, 210-043-139, 210-043-140, 210-043-141, 210-043-142, 210-043-143, 210-043-144, 210-043-145, 210-043-146, 210-043-147, 210-043-148, 210-043-149, 210-043-150, 210-043-151, 210-043-152, 210-043-153, 210-043-154, 210-043-155, 210-043-156, 210-043-157, 210-043-158, 210-043-159, 210-043-160, 210-043-161, 210-043-162, 210-043-163, 210-043-164, 210-043-165, 210-043-166, 210-043-167, 210-043-168, 210-043-169, 210-043-170, 210-043-171, 210-043-172, 210-043-173, 210-043-174, 210-043-175, 210-043-176, 210-043-177, 210-043-178, 210-043-179, 210-043-180, 210-043-181, 210-043-182, 210-043-183, 210-043-184, 210-043-185, 210-043-186, 210-043-187, 210-043-188, 210-043-189, 210-043-190, 210-043-191, 210-043-192, 210-043-193, 210-043-194, 210-043-195, 210-043-196, 210-043-197, 210-043-198, 210-043-199, 210-043-200, 210-043-201, 210-043-202, 210-043-203, 210-043-204, 210-043-205, 210-043-206, 210-043-207, 210-043-208, 210-043-209, 210-043-210, 210-043-211, 210-043-212, 210-043-213, 210-043-214, 210-043-215, 210-043-216, 210-043-217, 210-043-218, 210-043-219, 210-043-220, 210-043-221, 210-043-222, 210-043-223, 210-043-224, 210-043-225, 210-043-226, 210-043-227, 210-043-228, 210-043-229, 210-043-230, 210-043-231, 210-043-232, 210-043-233, 210-043-234, 210-043-235, 210-043-236, 210-043-237, 210-043-238, 210-043-239, 210-043-240, 210-043-241, 210-043-242, 210-043-243, 210-043-244, 210-043-245, 210-043-246, 210-043-247, 210-043-248, 210-043-249, 210-043-250, 210-043-251, 210-043-252, 210-043-253, 210-043-254, 210-043-255, 210-043-256, 210-043-257, 210-043-258, 210-043-259, 210-043-260, 210-043-261, 210-043-262, 210-043-263, 210-043-264, 210-043-265, 210-043-266, 210-043-267, 210-043-268, 210-043-269, 210-043-270, 210-043-271, 210-043-272, 210-043-273, 210-043-274, 210-043-275, 210-043-276, 210-043-277, 210-	

VSC LED Specifications



Project Name: EMPIRE PHARMACY

Drawing Number:

Date:

Ordering Information

MODEL	OPTICS	SOURCE	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS
VSC-1	T1	36V	2	3K	UNV	WM	BZ	PC-120
	T2	36V	3	3K	UNV	WM	BZ	PC-208
	T3	48V	3	4K	UNV	WM	BZ	PC-240
	T4		7	3K	UNV	WM	BZ	PC-277
	T5		7	3K	UNV	WM	BZ	PC-300
	T5W		7	3K	UNV	WM	BZ	PC-300



Features & Specifications



**Warranty**  
 5 Year Limited Warranty on electrical components, free on-site labor. For full warranty information, please visit [www.visionairelighting.com](http://www.visionairelighting.com).

**Thermal Management**  
 The VSource series provides excellent thermal management by mounting the LEDs to the substrate heat sink of the housing. This enables the luminaires to withstand higher ambient temperatures and deliver currents without degrading LED life.

**Optical System**  
 The highest lumen output LEDs are utilized in the V Source series. Its LED distribution Types are precise. The optical system utilizes an 85° full cutoff to restrict light trespass, glare and light pollution (CR values and T<sub>80</sub>).

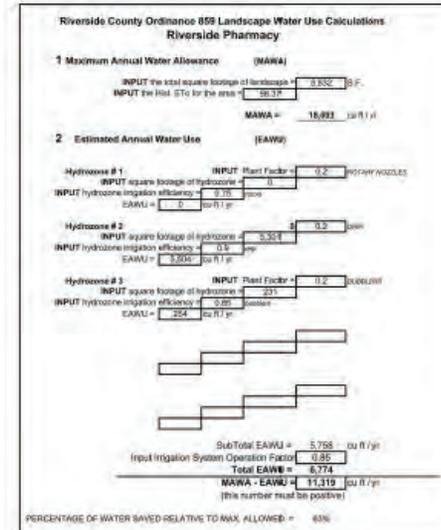
**Qual-Quest® Finish**  
 The finish is Qual-Quest® powder, thermally pretreated through a multiple-stage weather, electrochemically applied, treatment, phosphate powder coat finish, with a maximum T<sub>80</sub> of 1000 hours. Finish is overcoated at 400° F to provide maximum adhesion and finish hardness. All finishes are available in standard and custom colors. Finish is guaranteed for five (5) years.

**Electrical Assembly**  
 The VSource LED series is supplied with a driver of 30W, 50W, 70W, 100W, 150W, 200W, 300W, 400W, 500W, 600W, 700W, 800W, 900W, 1000W, 1200W, 1500W, 2000W, 2500W, 3000W, 4000W, 5000W, 6000W, 7000W, 8000W, 9000W, 10000W, 12000W, 15000W, 20000W, 25000W, 30000W, 40000W, 50000W, 60000W, 70000W, 80000W, 90000W, 100000W, 120000W, 150000W, 200000W, 250000W, 300000W, 400000W, 500000W, 600000W, 700000W, 800000W, 900000W, 1000000W, 1200000W, 1500000W, 2000000W, 2500000W, 3000000W, 4000000W, 5000000W, 6000000W, 7000000W, 8000000W, 9000000W, 10000000W, 12000000W, 15000000W, 20000000W, 25000000W, 30000000W, 40000000W, 50000000W, 60000000W, 70000000W, 80000000W, 90000000W, 100000000W, 120000000W, 150000000W, 200000000W, 250000000W, 300000000W, 400000000W, 500000000W, 600000000W, 700000000W, 800000000W, 900000000W, 1000000000W, 1200000000W, 1500000000W, 2000000000W, 2500000000W, 3000000000W, 4000000000W, 5000000000W, 6000000000W, 7000000000W, 8000000000W, 9000000000W, 10000000000W, 12000000000W, 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**PROPOSED PLANT PALETTE**

PLANTING LEGEND				
SYMBOL	PLANT NAME	SIZE	MUCCLS	QTY
TREE				
T1	Chicoate Branch Desert Willow	4" x 6"	1	1
T2	Chicoate branch Pink Desert/Pink Desert Willow	4" x 6"	1	1
T3	Prosopis hybrid Thornless Hybrid Thornless Hybrid Mesquite	4" x 6"	1	1
SHRUB				
S1	Agave 'Blue Glow' Blue Glow Agave	4" x 6"	1	1
S2	Desert Blue 'Dark Star' Dark Star California Lilac	4" x 6"	1	1
S3	Blue agave Cone Aloe	4" x 6"	1	1
S4	Red sage Red Sage 'Green Cloud'	4" x 6"	1	1
S5	Red sage Red Sage 'Green Cloud'	4" x 6"	1	1
S6	Red sage Red Sage 'Green Cloud'	4" x 6"	1	1
S7	Red sage Red Sage 'Green Cloud'	4" x 6"	1	1
S8	Red sage Red Sage 'Green Cloud'	4" x 6"	1	1
S9	Red sage Red Sage 'Green Cloud'	4" x 6"	1	1
S10	Red sage Red Sage 'Green Cloud'	4" x 6"	1	1
S11	Red sage Red Sage 'Green Cloud'	4" x 6"	1	1
G1	4" to 6" DIA. cobble areas			

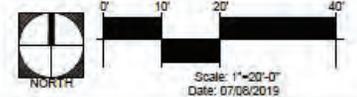


LANDSCAPE ARCHITECT

**LandArq, Inc.**  
 865 S. Milliken Ave. Suite E  
 Ontario, CA 91761  
 Phone: 909-259-9426  
 Email: fausto@landarq.com



**EMPIRE PHARMACY  
PRELIMINARY LANDSCAPE PLAN**



FOR

**EMPIRE PHARMACY**  
 S/W CORNER OF CHICAGO & COLUMBIA AVENUE  
 OWNER: KHALID ALI  
 1340 MASSACHUSETTS AVENUE  
 RIVERSIDE, CA 92507

ISSUING: \_\_\_\_\_  
 CONTROL: \_\_\_\_\_  
 NO: \_\_\_\_\_  
 PLAN CHECK: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 JOB NO.: \_\_\_\_\_  
 SHEET NAME: \_\_\_\_\_  
 SHEET NO.: \_\_\_\_\_  
 SHEET 1 OF 1



