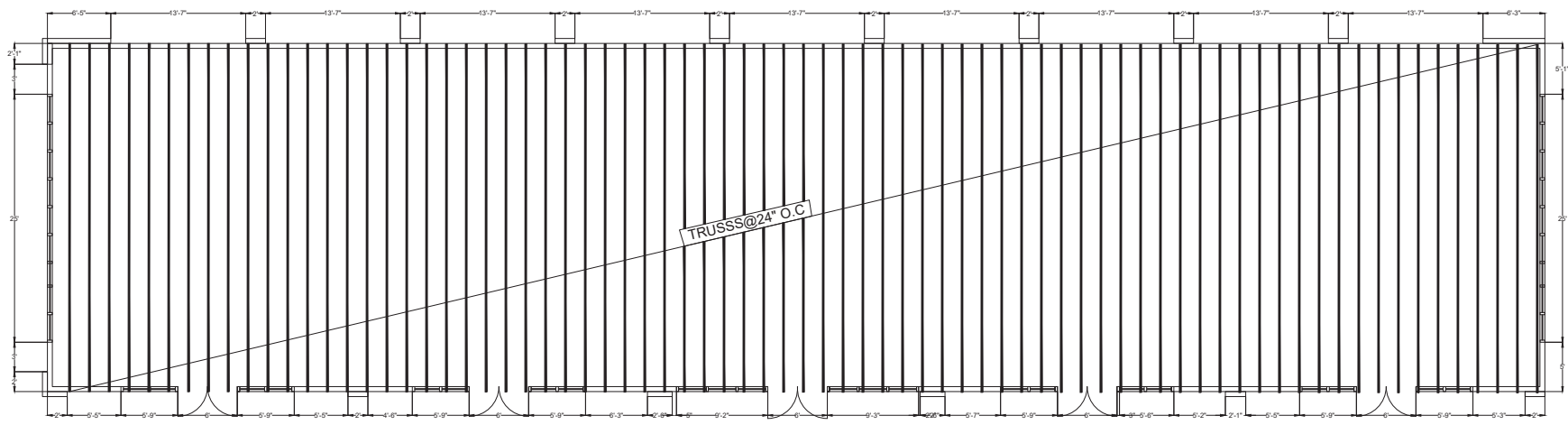


BUIDING B  
5277 SQ FT



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



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 FRAMING  
PLAN BUILDING  
B

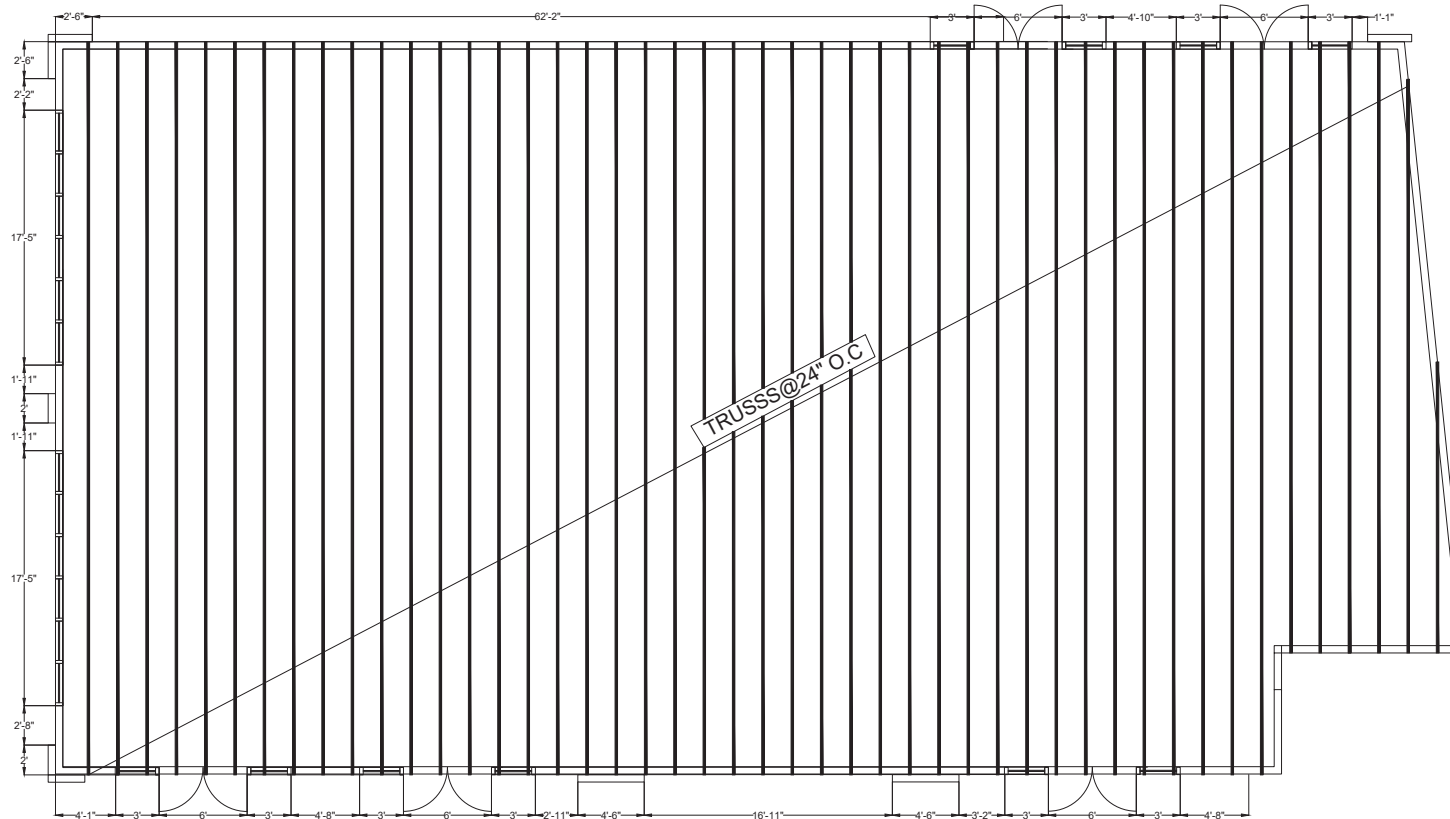
SHEET NO.  
A-10

4848 sq. ft  
BUILDING C

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

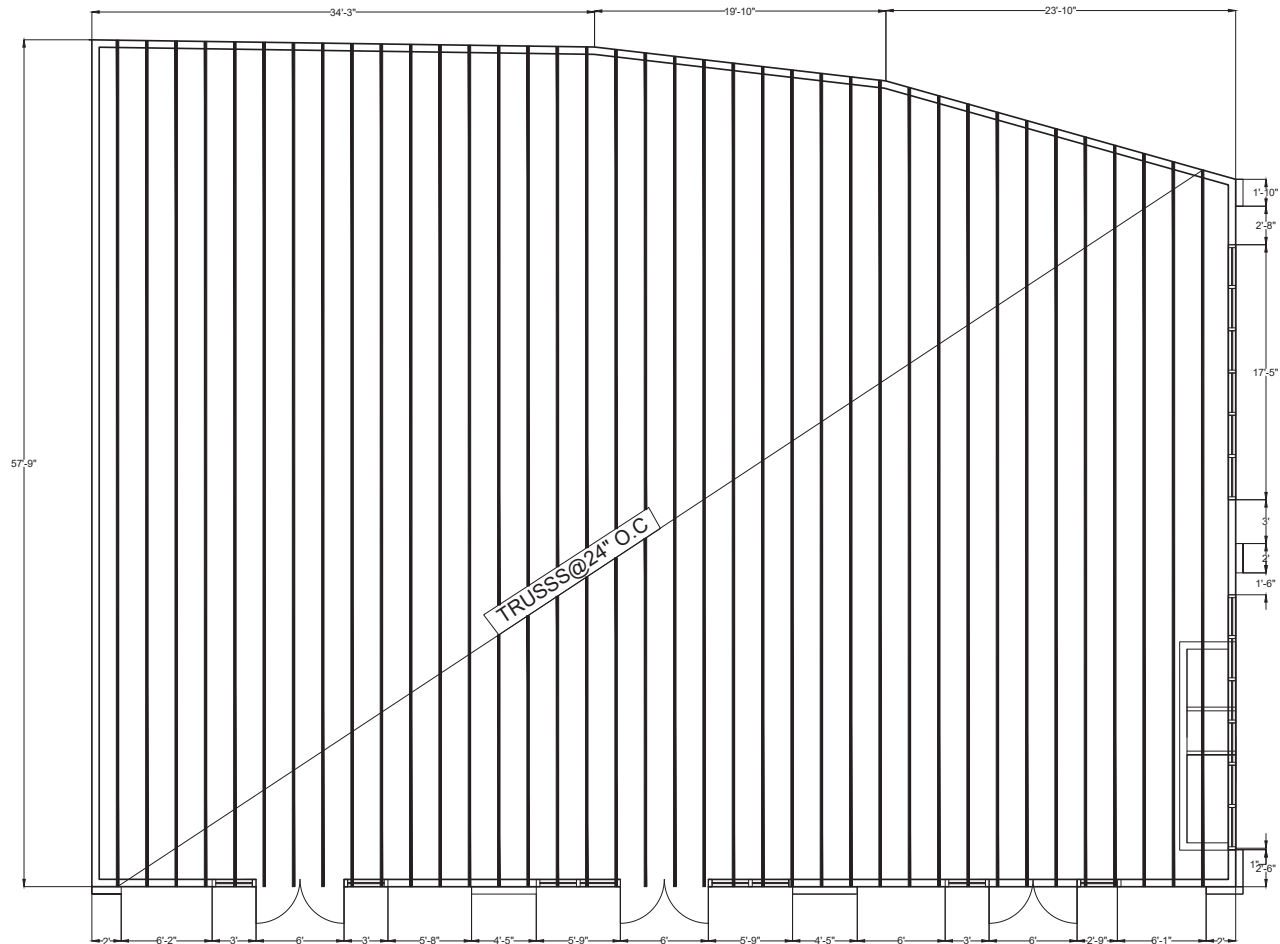
SCALE 1/4" = 1'

SHEET TITLE  
ROOF FRAMING  
PLAN BUILDING  
C

SHEET NO.

A-11

# 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

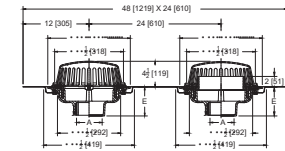
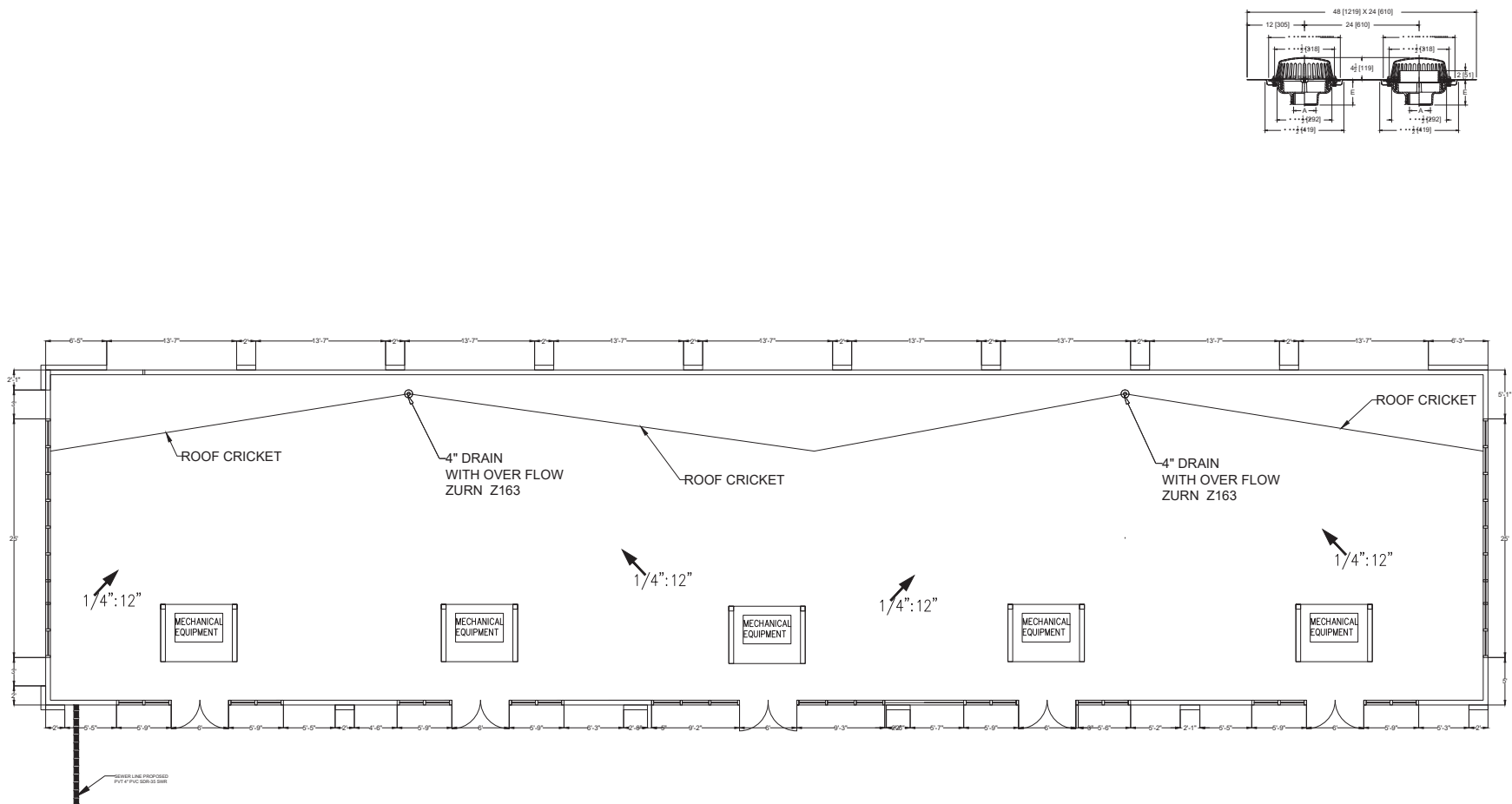
SCALE 1/4" = 1'

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'

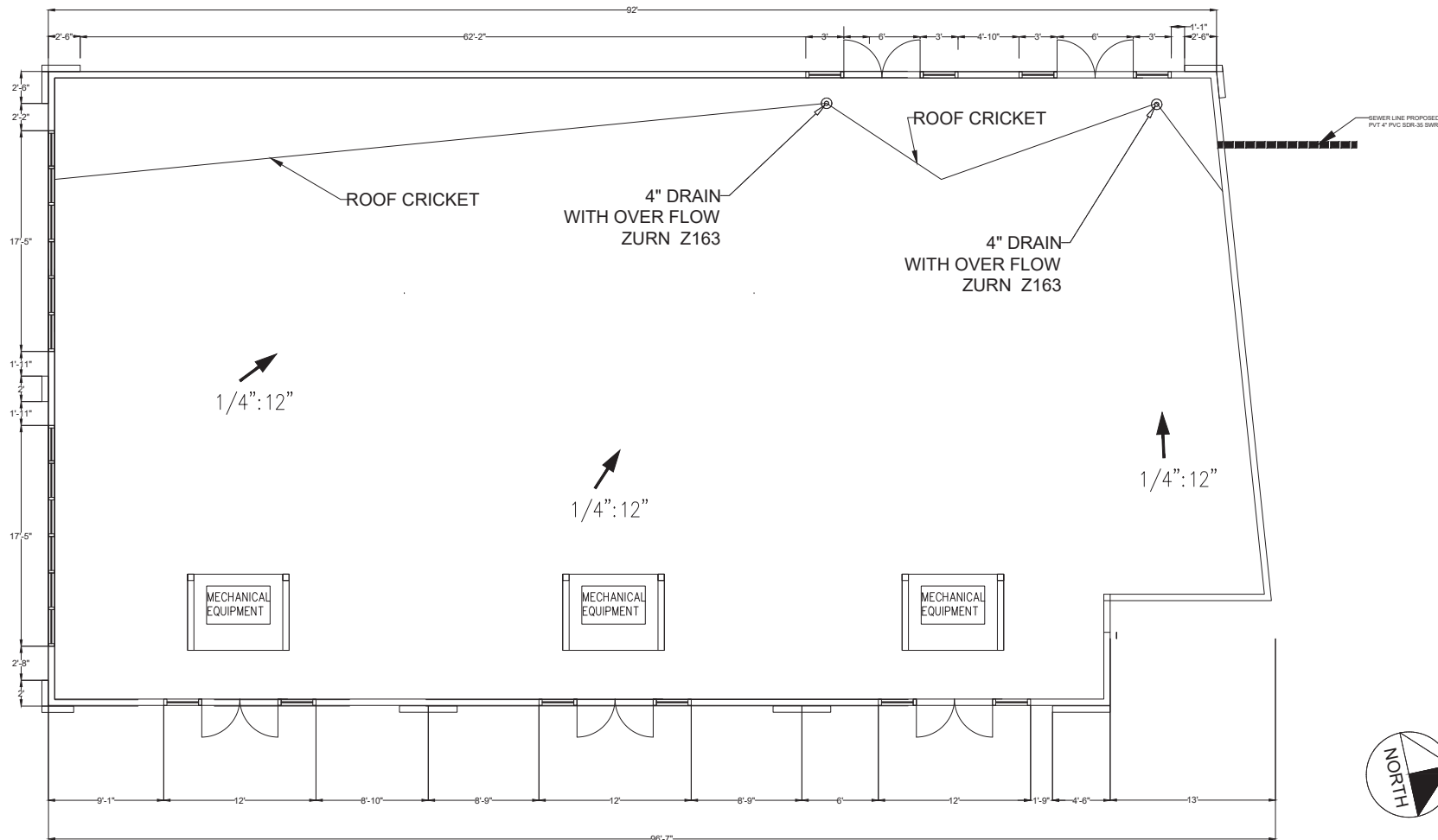
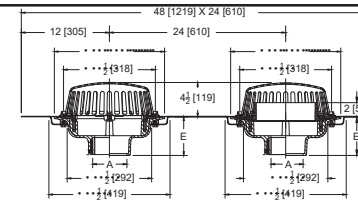
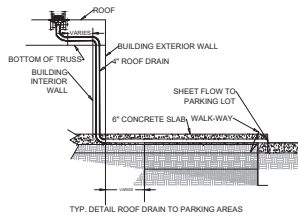
SHEET TITLE

**ROOF PLAN  
BUILDING B**

SHEET NO.

A-14





OWNER:

OWNER NAME  
STREET ADDRESS  
RIVERSIDE, CA  
TELEPHONE

PROJECT DESIGNER:

**APCO 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

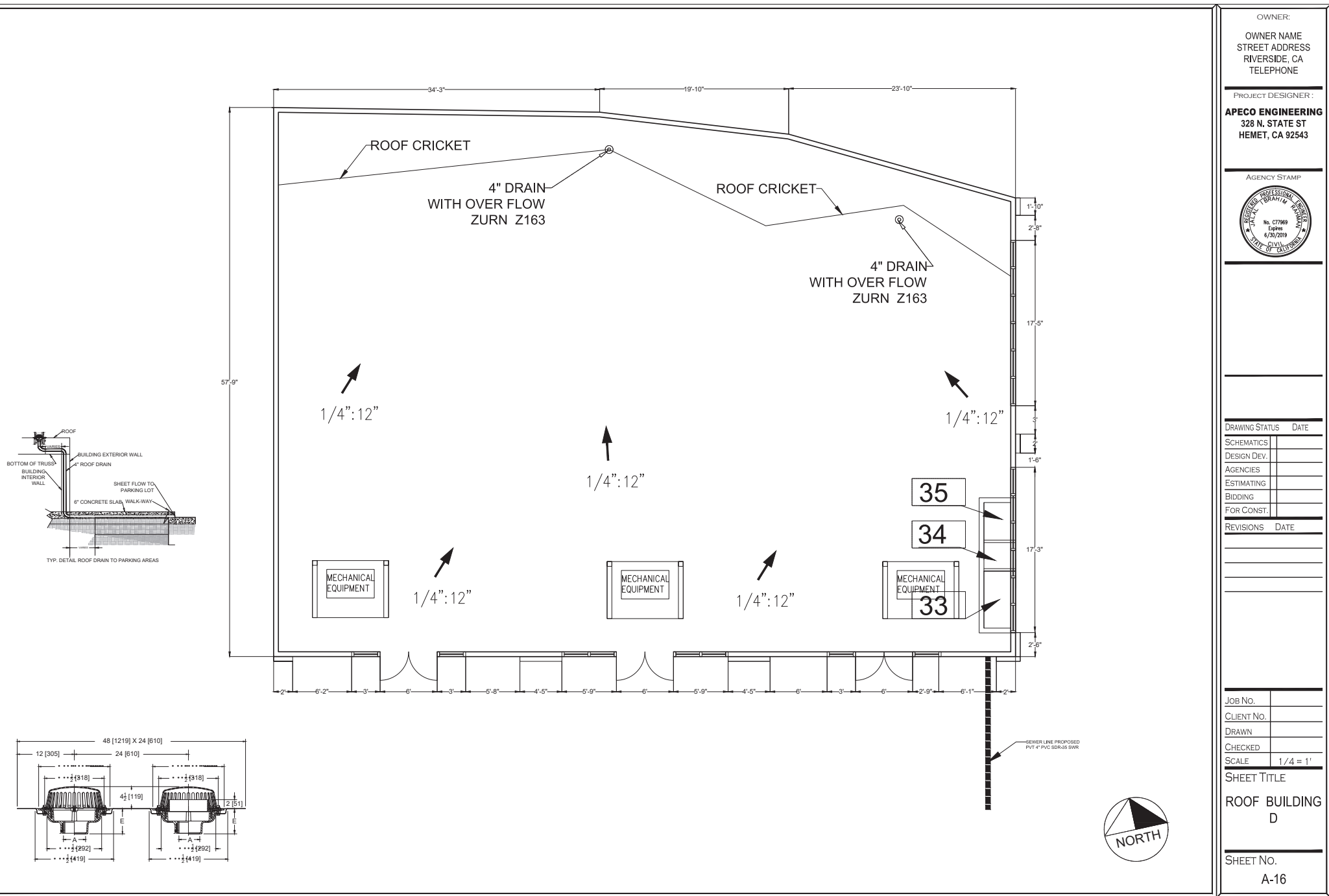
SCALE 1/4" = 1'

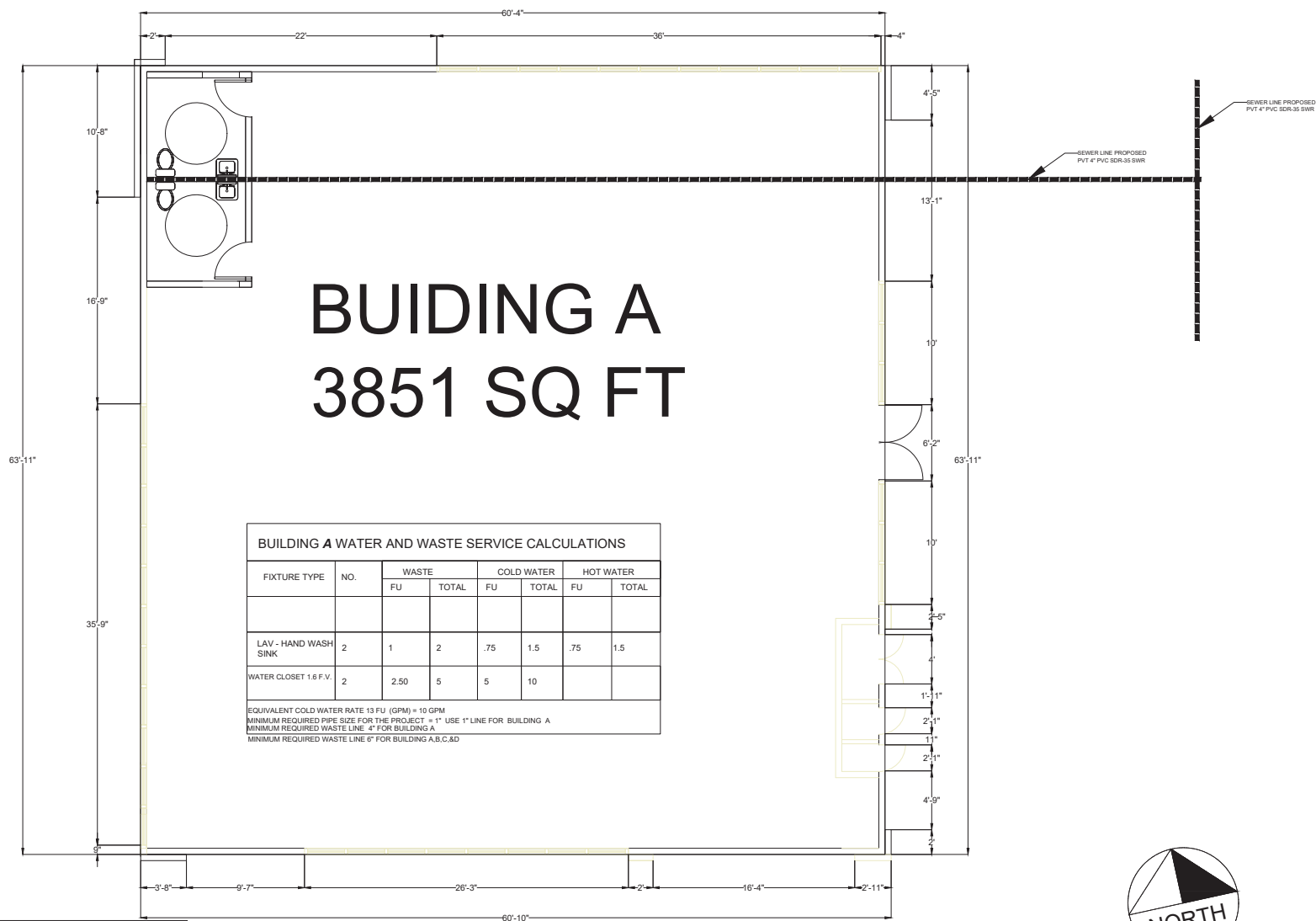
SHEET TITLE

**ROOF PLAN**  
**BUILDING C**

SHEET No.

**A-15**





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'

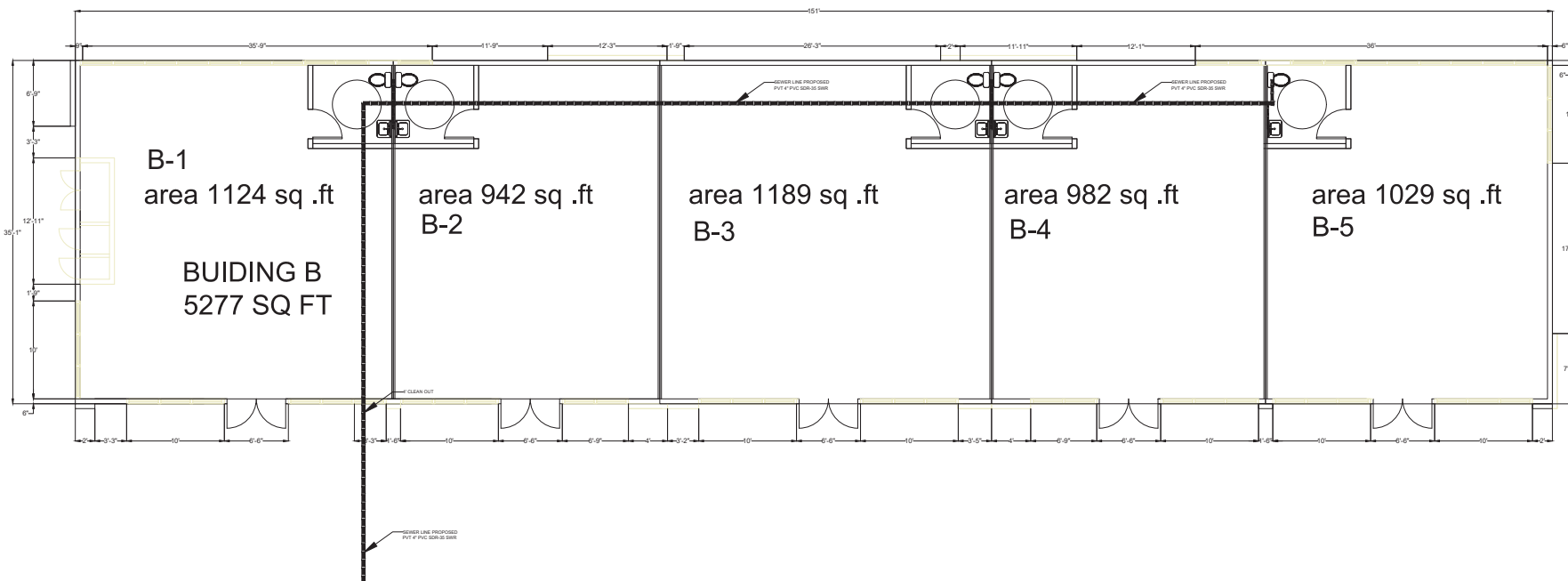
SHEET TITLE

**PLUMBING PLAN**  
**BUILDING A**

SHEET No.

**A-17**

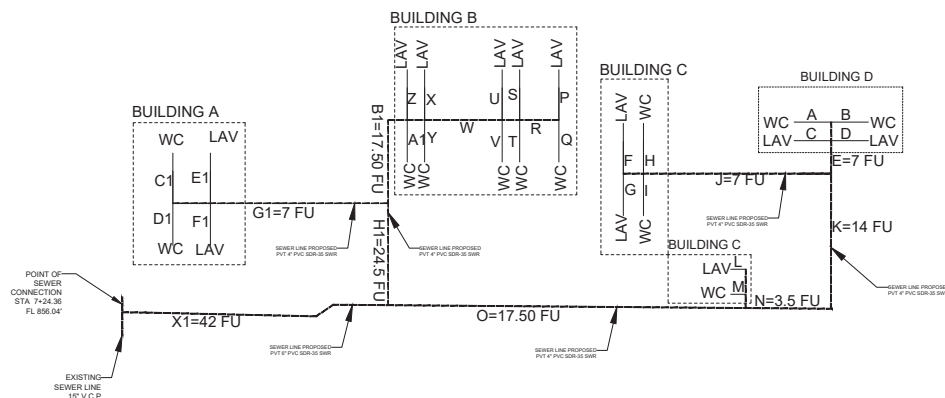




WSFU FOR BUILDING A,B,C, & D				
INDIVIDUAL FIXTURES	MINIMUM FIXTURE BRANCH PIPE SIZE	WATER SUPPLY FIXTURE UNITS WSFU	NO. OF FIXTURES	TOTAL WSFU
WATER CLOSET WITH GRAVITY TANK	1/2"	2.5	12	30
LAVATORY	1/2"	1	12	12
TOTAL				42 WSFU

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 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 4" 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

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 B**

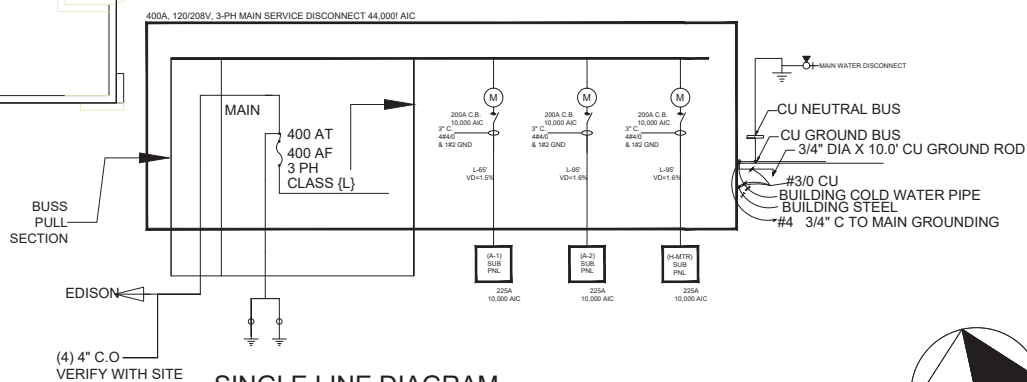
SHEET NO.

A-18





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.	

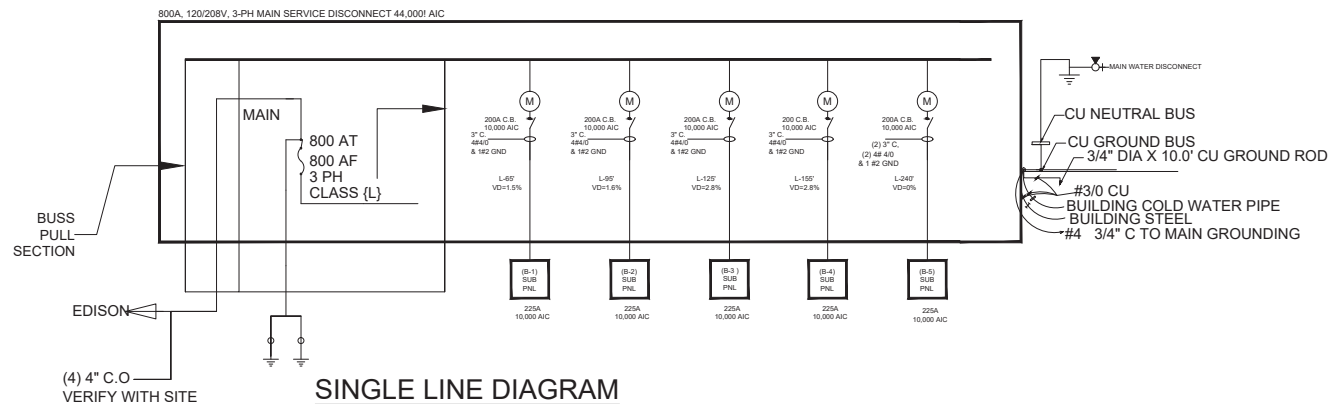
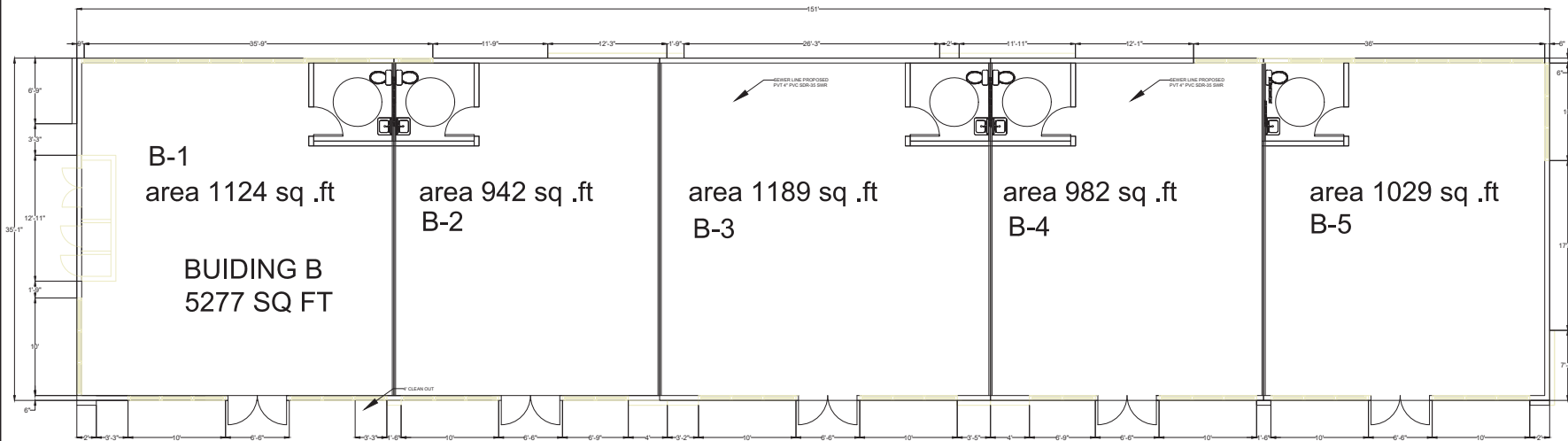
REVISIONS      DATE


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

AGENCY STAMP



DRAWING STATUS DATE

SCHEMATICS	
DESIGN DEV.	
AGENCIES	
ESTIMATING	
BIDDING	
FOR CONST.	

REVISIONS DATE


JOB NO.

CLIENT NO.

DRAWN

CHECKED

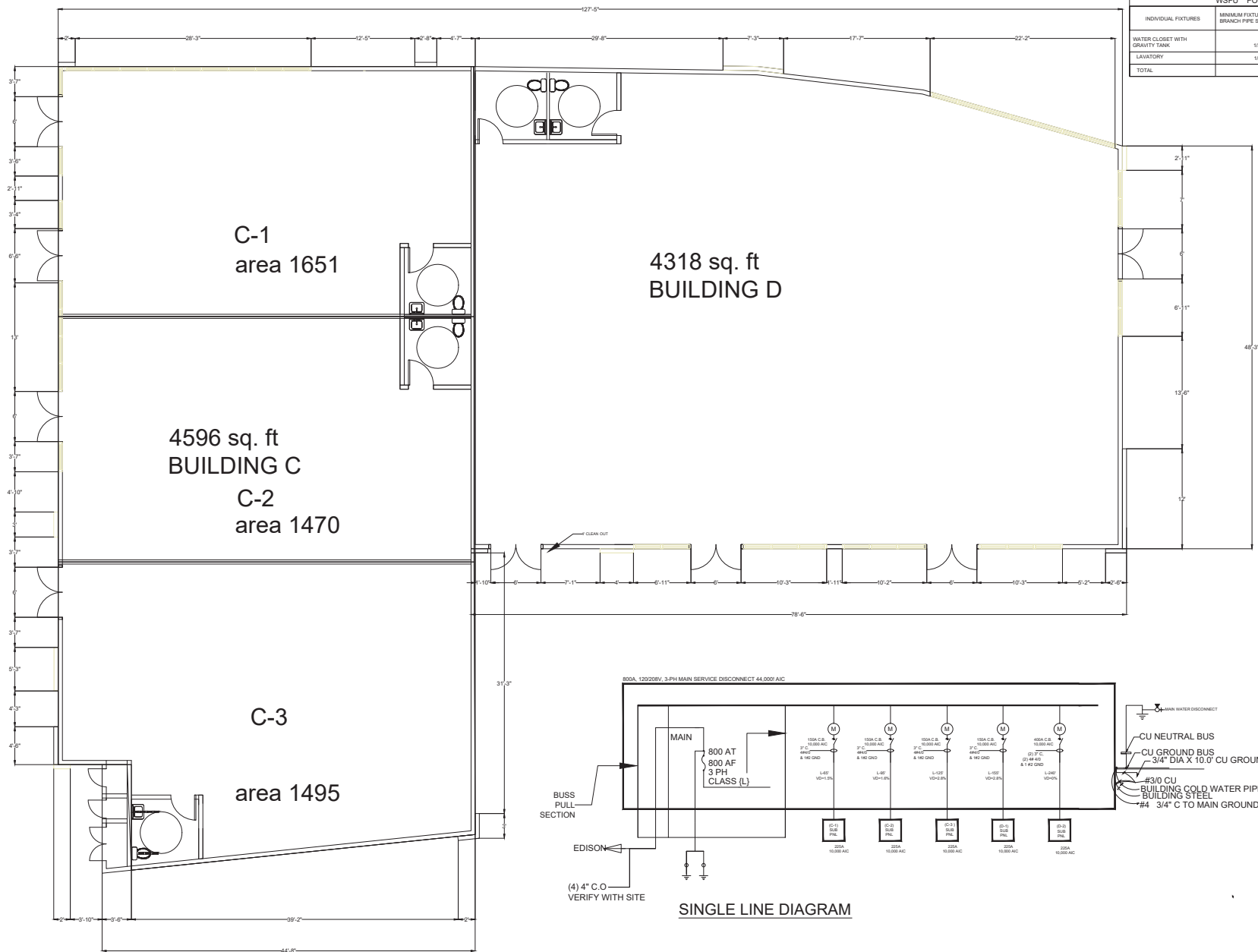
SCALE 3/16" = 1'

SHEET TITLE

**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	12
LAVATORY	1/2"	1	12
TOTAL			42 WSFU

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

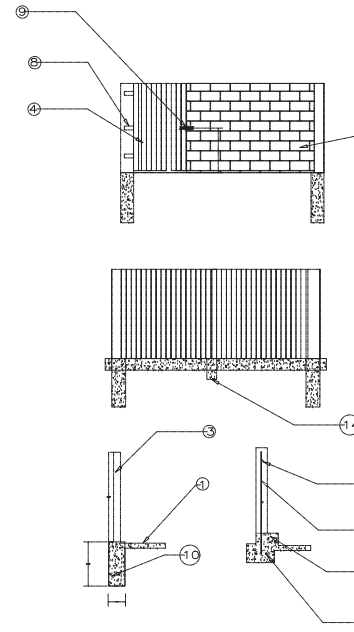
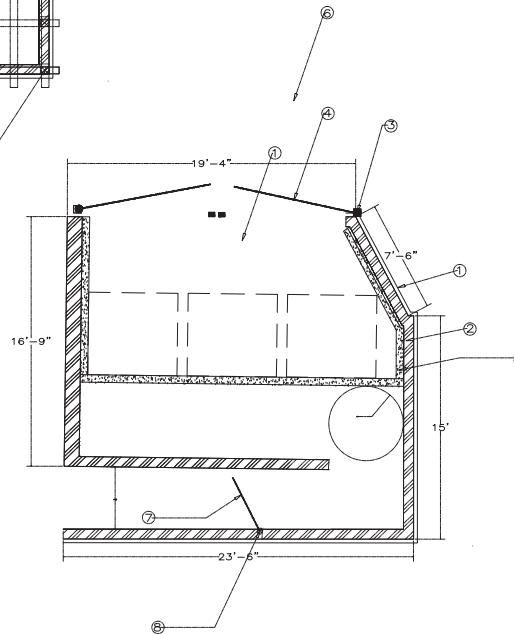
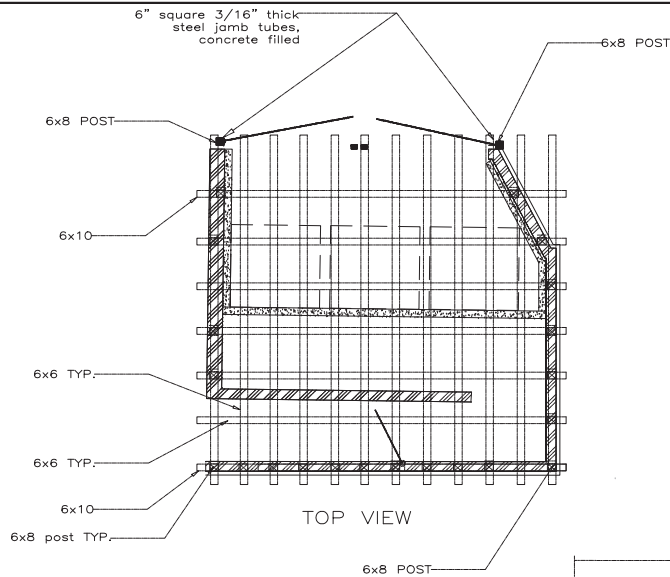
**ELECTRICAL  
PLAN BUILDING  
C&D**

SHEET NO.

E-3



- 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)

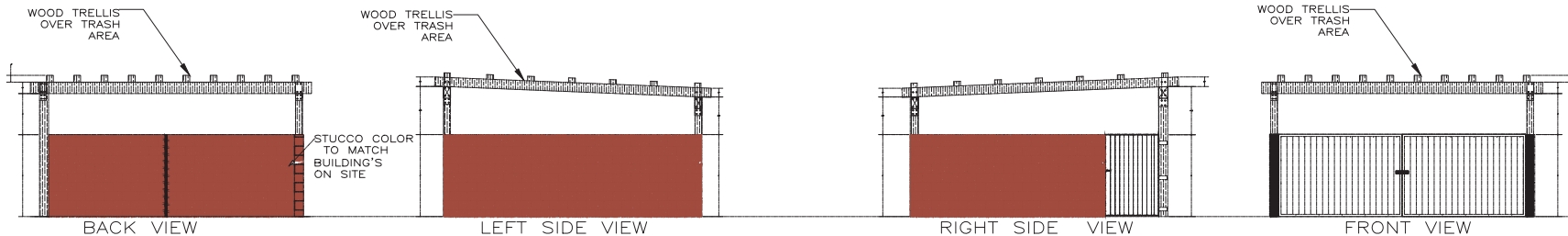


GATE DETAIL

# 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). Cane bolt and cane bolt receptacle coordinated to complement surrounding architecture to Design Review Board approval city of Murrieta



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**

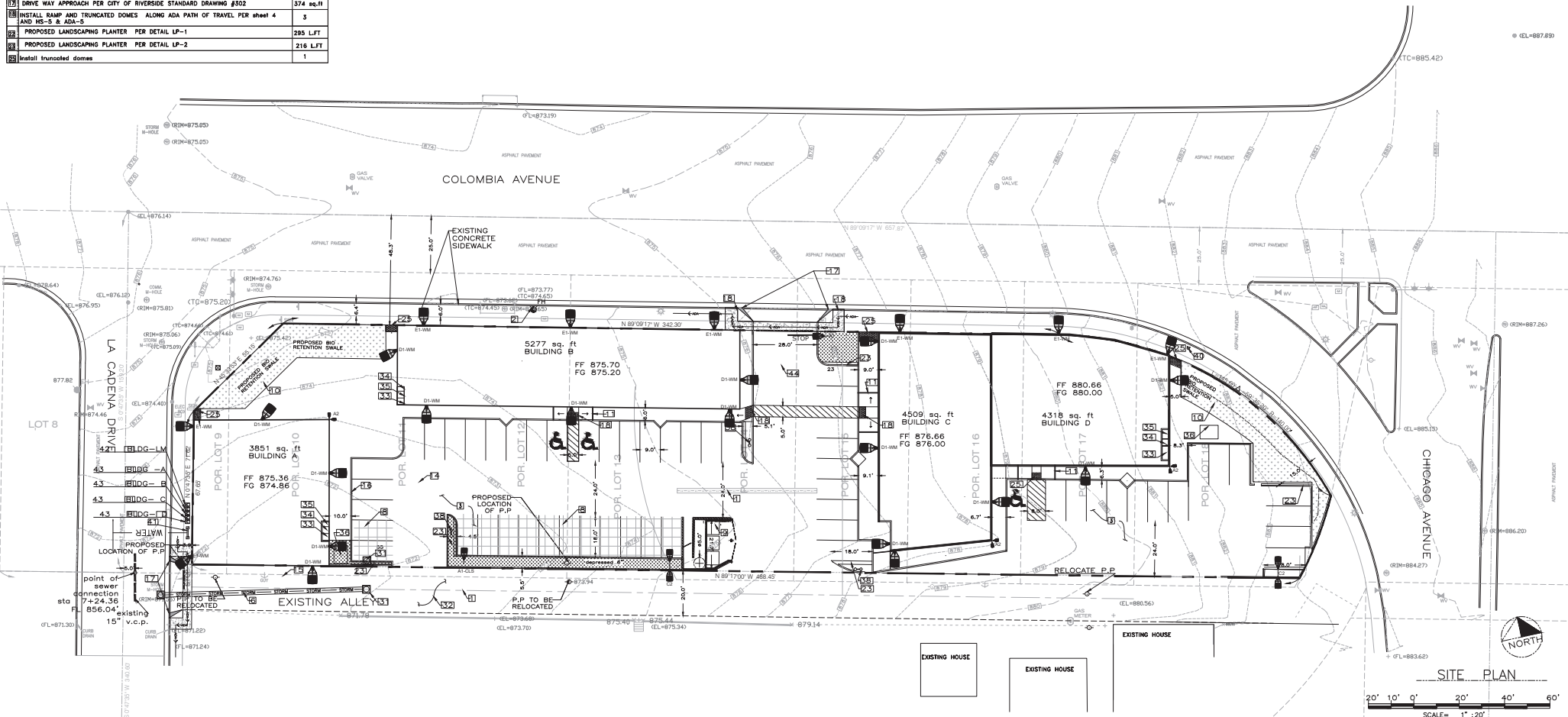
SHEET NO.

**TRASH-1**

DESCRIPTION	QUANTITY
1. CONSTRUCT 24" CONCRETE RIBBON PER DETAIL G-1 ON SHEET 4	241 LF
2. EXISTING FIRE HYDRANT	1 EACH
3. 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).	20,205 SQ.FT.
4. DRIVEWAYS 3920 SQ. FT. PARKING (CONCRETE) 32170 SQ. FT.	
5. INSTALL 18" (R.C.P.) REINFORCED CONCRETE PIPE 244 LF TYPE 4 B-LADING #1481 Class V (D-Load (b/11/1)) for Type 4 bedding	753 LF
6. FINISHABLE FINISH 80'x12' 1182 SQ. FT. PER DETAIL PER SECTION PP-1	1782 FT-2
7. FINISH ENCLOSURE QUANTITY 1 REFER TO BUILDING PLANS SHEET 5 OF 5 UNDER A SEPARATE PERMIT	1
8. SURFACE BIO RETENTION SWALE 80'x13' PER SECTION A-4, A-6, A-6.1 ON SHEET 4	1
9. ADA RAMP PER CITY OF RIVERSIDE STANDARD DRAWING #304 TYPE 3	2
10. SEWER LINE PROPOSED PVT 4" PVC SDR-35 SWR	xx LF
11. SEWER LINE PROPOSED PVT 6" PVC SDR-35 SWR	xx LF
12. CURB PER CITY OF RIVERSIDE STANDARD DRAWING #200 TYPE 2	1235 LF
13. DRIVE WAY APPROACH PER CITY OF RIVERSIDE STANDARD DRAWING #302	374 sq.ft
14. INSTALL RAMP AND TRUNCATED DOMES ALONG ADA PATH OF TRAVEL PER sheet 4 AND HS-5 & ADA-5	5
15. PROPOSED LANDSCAPING PLANTER PER DETAIL LP-1	235 L.F.T
16. PROPOSED LANDSCAPING PLANTER PER DETAIL LP-2	216 L.F.T
17. Install truncated domes	1

DESCRIPTION	QUANTITY
1. BROOKS BOX 24"X24" SEE DETAIL ON SHEET 3	1
2. ALL PER CITY OF RIVERSIDE STANDARD DRAWING #110 TYPE 2	8880 sq.ft
3. ELECTRIC PANEL ROOM	4
4. FIRE RISER ROOM	4
5. DATA ROOM	4
6. ELECTRIC TRANSFORMER UNDERGROUND	3
7. 6" PVC storm drain pipe	2
8. INSTALL PLV & PDC W/TAMPER SWITCH ASSEMBLY	3
9. PROPOSED FIRE HYDRANT ON CHICAGO	1
10. INSTALL 8" DOUBLE DETECTOR CHECK PER WWD STANDARD DETAIL (Master Series 870v double check valve assemblies 2-1/2"-10")	1
11. 7" WATER METER LANDSCAPING	1
12. 7" WATER METER	4
13. DECORATIVE DRIVE WAY ENTRANCE STAMP CONCRETE COLOR (BATA RED)	432 SQ. FT.

Luminaires Schedule									
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LF	Description	Total Watts	BUG Rating	Lum. Watts
	1	A1	SINGLE	N.A.	0.950	VISIONAIRE VSX-1-13-16LC-7-3K-VOLT SINGLE @ 25' MTG. HT. (N)	111	B1-UG-01	37
	1	A1-CL5	SINGLE	N.A.	0.950	VISIONAIRE VSX-1-13-16LC-7-3K-VOLT CL5 SINGLE @ 25' MTG. HT. (N)	109	B0-UG-02	36
	1	A2	2 @ 90°	N.A.	0.950	VISIONAIRE VSX-1-13-16LC-7-3K-VOLT D90° @ 25' MTG. HT. (N)	148	B1-UG-01	37
	2	C2	D180°	N.A.	0.950	VISIONAIRE VSX-1-13-16LC-7-3K-VOLT D180° @ 25' MTG. HT. (N)	148	B0-UG-01	37
	16	D1-WM	SINGLE	N.A.	0.950	VISIONAIRE VSC-1-14-16LC-3K-VOLT WM @ 15' MTG. HT. (N)	360	B1-UG-01	18
	8	E1-WM	SINGLE	N.A.	0.950	VISIONAIRE VSC-1-14-16LC-3K-VOLT WM @ 9' MTG. HT. (N)	72	B1-UG-01	18



<b>"AS BUILT"</b> <small>THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE ENGINEER OF WORK OF ANY RESPONSIBILITY FOR THE PROJECT DESIGN</small>		<b>SEAL:</b> 		<b>APECO ENGINEERING</b> 328 N. STATE ST HEMET, CA 92543 1-760-497-3795 JRA@APECOENGINEERING.COM		11/15/2018		<b>SHEET SP-1</b> <b>CITY OF RIVERSIDE</b> ENGINEERING DEPARTMENT <b>GRADING PLAN</b> <small>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, Lot 3 through Lot 8, Block 2 of Landowners' Interest located on the Southwest Corner of Columbia Avenue and Chicago Avenue, City of Riverside, Riverside County, California</small>		<b>SHEETS</b>					
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 TWO WORKING DAYS BEFORE YOU DIG		BENCH MARK SOURCE BENCHMARK: CITY OF RIVERSIDE BENCHMARK 74-93 PRIVATE AND CITY ENGINEER TAG IN THE STREET LIGHT BASE AT THE NORTHWEST CORNER RETURN OF LAUREL AVENUE AND MARLBOROUGH AVENUE (N/USBR)		PREPARED BY: JALAL IBRAHIM RAHMAN DATE: 04/17/2018 ENGR. NAME: JALAL IBRAHIM RAHMAN RCE NO: C77969 EXP. DATE: 06/30/2019		DATE: 11/15/2018 INITIAL: [Signature] ENGINEER OF WORK:		REVISION DESCRIPTION SHEET NO.: DATE: 11/15/2018 INITIAL: [Signature] CITY APPROVAL:		APPROVED: [Signature] CITY ENGINEER: [Signature] DATE: 11/15/2018 DWN BY: CHHD BY: FIELD BK:		PROJECT NO.: DRAWING NO.:	