CONEJO COMMUNITY PARK AND CENTER

PRE-MANUFACTURED RESTROOM BUILDING & TRASH ENCLOSURE BUILDING

FIRE SPRINKLER SYSTEM

1175 HENDRIX AVE, THOUSAND OAKS, CA 91360

APN: 5240090255

VENTURA COUNTY FIRE DEPARTMENT

Fire Prevention Bureau
165 Durley Avenue, Camarillo, CA 93010-8586
Office: (805) 389-9738 Fax: (805) 388-4356

FIRE PREVENTION FOM 625
FIRE-FLOW VERIFICATION

SECTION I – PROJECT INFORMATION
(To Be Completed by Applicant)

Project Name:	Conejo Community Park - Phase 1	APN:	524-0-090-255
Project Address:	1173 Hendrix Ave	City:	Thousand Oaks

SECTION II – INFORMATION ON FIRE-FLOW AVAILABILITY
(To Be Completed by Water Purveyor)

System Information:

Water Purveyor: California American Water
Size & Location of Main: 6-inch in Greenfield St — Distance to Parcel: 190 ft
Size of Reservoir Serving Test Hydrants: Shopping Center I&II - 4.1 MG

Hydrant Information:

Location of Residual Hydrant: N/A — Distance to Parcel: * N/A
Location of Flow Hydrant: 118.8799416°W 34.1948095°N — Distance to Parcel: * 215 ft
Type: Wet — Size: 6-inch — # of Outlets: 1 — 4" 2 — 2 ½"
* Distance to parcel shall be measured along the vehicular access

Test Result Information:

Method Used to Obtain Results: Hydraulic Model ☑ Flow Test ☐
Date of Test: 10/13/2025 — Time of Test: N/A — ☐ AM ☐ PM
Static PSI: 95 — Residual PSI: 91 — Orifice: N/A — Pitot: N/A
Observed GPM: 927 — Calculated GPM @ 20 psi: 4622 — Capacity Duration: N/A hrs

I have witnessed and/or reviewed this water flow information and by personal knowledge and/or on-site observation certify that the above information is correct.

Name: Candace Coleman
Signature: Candace Coleman — Digitally signed by Candace Coleman Date: 2025.10.14 13:59:51 -07'00' — Date: 10/14/2025
Title: Senior Planning Engineer — Company: California American Water
Phone: (916) 541-9942

☐ Private on-site water system proposed. Separate plan submittal required.
☐ Water purveyor approves use of private water system. (Purveyor signature required above).

Fire District Record Number:

January 1, 2023 — **Fire-flow Verification** — 625-1

WATER FLOW INFORMATION:

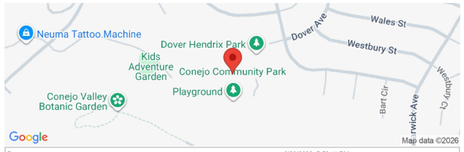
U.S. Seismic Design Maps — 6/23/26, 5:53 PM

Announcement
USGS issues have now been resolved.

OSHPD

CONEJO COMMUNITY PARK
1175 Hendrix Ave, Thousand Oaks, CA 91360, USA

Latitude, Longitude: 34.193204, -118.8811613



Date	6/23/2026, 5:53:11 PM
Design Code Reference Document	ASCE7-22
Risk Category	II
Site Class	D

Type	Value	Description (Data)
S_S	1.7	The MCE_R spectral response acceleration at 0.2 seconds for Site Class BC, in units of g.
S_1	0.54	The MCE_R spectral response acceleration at 1 second for Site Class BC, in units of g.
S_{MS}	1.88	$S_{MS} = 1.5 \times S_{DS}$, the Risk-Targeted Maximum Considered Earthquake (MCE_R) spectral response acceleration for short periods (of the two-period spectrum) and the user-specified Site Class.
S_{M1}	1.32	$S_{M1} = 1.5 \times S_{D1}$, the MCE_R spectral response acceleration for 1 second (of the two-period spectrum) and the user-specified Site Class.
S_{DS}	1.25	The design spectral response acceleration for short periods (of the two-period spectrum) and the user-specified Site Class, in units of g.
S_{D1}	0.88	The design spectral response acceleration for 1 second (of the two-period spectrum) and the user-specified Site Class, in units of g

TOLBrace™ Seismic Bracing Calculations — V8.8.146

Project Address: CONEJO COMMUNITY PARK, 1175 HENDRIX AVE, THOUSAND OAKS, CA91360 — Job #
Contractor: Address: — Phone: — License:
Calculations based on 2022 NFPA Pamphlet #13

Brace Information

Maximum Brace Length	7' 0" (2.134 m)
Diameter of Brace	1"
Type of Brace	Sch.40
Angle of Brace	45° Min.
Least Rad. of Gyration	0.42" (11 mm)
L/R Value	200
Max Horizontal Load	1310 lbs (594 kg)

Fastener Information

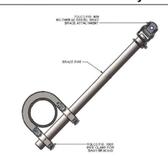
Orientation to Connecting Surface	NFPA Type H
Fastener Type	1/2in. Unfinished Steel Bolt
Diameter	1/2in.
Length	N/A
Maximum Load	1830 lbs (830 kg)
Prying Factor	N/A

TOLCO™ Brace Components

TOLCO™ Component	Listed Load	Adjusted Load
Fig. 1001 Clamp	1500 lbs (680 kg)	1061 lbs (481 kg)
Fig.909 - 1/2" No-Thread Swivel	1370 lbs (621 kg)	969 lbs (440 kg)
See Fastener Information		

*Calculation Based on CONCENTRIC Loading
*Please Note: These calculations are for TOLCO™ components only. Use of any other components voids these calculations and the listing of the assembly.

Seismic Brace Assembly Detail



Brace Identification on Plans SB1-LAT
Brace Type Lateral [X] Longitudinal [ ] 4-Way [ ]

Sprinkler System Load Calculation (Fpw = CpWp)
Cp before reduction = 0.94 — Reduction factor = 1 — Cp = 0.94

Diameter	Type	Length	Total Length	Weight Per Unit Length	Total Weight
2" (50 mm)	Sch. 10	10 ft (3 m)	10 ft (3 m)	4.22 lb/ft (6.28 kg/m)	42 lbs (19 kg)
1.25" (32 mm)	Sch. 10	42 ft (12.8 m)	42 ft (12.8 m)	2.52 lb/ft (3.75 kg/m)	106 lbs (48 kg)

Subtotal Weight	148 lbs (67 kg)
Wp (incl. 15%)	170 lbs (77 kg)
Total (Fpw)	160 lbs (73 kg)
Maximum Fpw per 18.5.5.2 (if applicable)	237 lb (107 kg)

Main Size	Type/Sch.	Spacing (ft)
2"	Sch. 10	10

†TOLBrace™ Version 8) Use of TOLBrace™ is subject to terms and conditions per the end user license agreement

TOLBrace™ Seismic Bracing Calculations — V8.8.146

Project Address: CONEJO COMMUNITY PARK, 1175 HENDRIX AVE, THOUSAND OAKS, CA91360 — Job #
Contractor: Address: — Phone: — License:
Calculations based on 2022 NFPA Pamphlet #13

Brace Information

Maximum Brace Length	7' 0" (2.134 m)
Diameter of Brace	1"
Type of Brace	Sch.40
Angle of Brace	45° Min.
Least Rad. of Gyration	0.42" (11 mm)
L/R Value	200
Max Horizontal Load	1310 lbs (594 kg)

Fastener Information

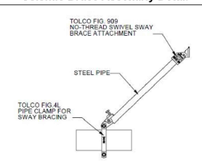
Orientation to Connecting Surface	NFPA Type E
Fastener Type	1/2in. Unfinished Steel Bolt
Diameter	1/2in.
Length	N/A
Maximum Load	2050 lbs (930 kg)
Prying Factor	N/A

TOLCO™ Brace Components

TOLCO™ Component	Listed Load	Adjusted Load
Fig. 4L Clamp	1600 lbs (726 kg)	1131 lbs (513 kg)
Fig.909 - 1/2" No-Thread Swivel	1370 lbs (621 kg)	969 lbs (440 kg)
See Fastener Information		

*Calculation Based on CONCENTRIC Loading
*Please Note: These calculations are for TOLCO™ components only. Use of any other components voids these calculations and the listing of the assembly.

Seismic Brace Assembly Detail



Brace Identification on Plans SB2-LONG
Brace Type Lateral [ ] Longitudinal [X] 4-Way [ ]

Sprinkler System Load Calculation (Fpw = CpWp)
Cp before reduction = 0.94 — Reduction factor = 1 — Cp = 0.94

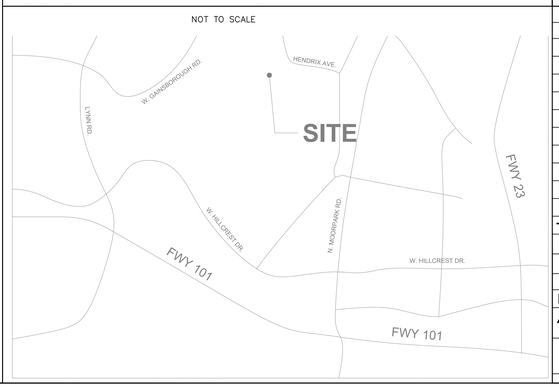
Diameter	Type	Length	Total Length	Weight Per Unit Length	Total Weight
2" (50 mm)	Sch. 10	20 ft (6.1 m)	20 ft (6.1 m)	4.22 lb/ft (6.28 kg/m)	84 lbs (38 kg)

Subtotal Weight	84 lbs (38 kg)
Wp (incl. 15%)	97 lbs (44 kg)
Total (Fpw)	91 lbs (41 kg)
Maximum Fpw per 18.5.5.2 (if applicable)	N/A

Main Size	Type/Sch.	Spacing (ft)
2"	Sch. 10	20

†TOLBrace™ Version 8) Use of TOLBrace™ is subject to terms and conditions per the end user license agreement

VICINITY MAP



LEGEND & SYMBOLS

	SPRINKLER RISER, SEE DETAIL #1
	QUICK RESPONSE UPRIGHT
	QUICK RESPONSE UPRIGHT, POLYESTER COATED
	QUICK RESPONSE SIDEWALL
	TYP. HANGER SYMBOL, SEE DETAIL
	PIPE RESTRAINT, SEE DETAIL
	SPRINKLER BELL
	PIPE UP OR DOWN
	HYDRAULIC REFERENCE NODE
	NEW SPRINKLER PIPE
	SPRINKLER BELL
	NEW UNDERGROUND PIPE
	YARD FDC
	FIRE HYDRANT
BFP	BACKFLOW PREVENTER ASSEMBLY
AIR	AUTOMATIC AIR VENT
	LATERAL BRACE
	LONGITUDINAL BRACE

TOTAL SPRINKLER INFORMATION

SYM.	MANUFACTURER	SIN	NPT	K	TEMP	DESCRIPTION	QTY.
	TYCO	TY3131	½	5.6	200	QUICK RESPONSE UPRIGHT, POLYESTER COATED	8
	TYCO	TY3331	½	5.6	200	SIDEWALL SPRINKLER POLYESTER COATED	2
	TYCO	TY3131	½	5.6	200	QUICK RESPONSE UPRIGHT, POLYESTER COATED	2
						TOTAL	12

2025 CALIFORNIA BUILDING CODE
2025 CALIFORNIA FIRE CODE
2025 CALIFORNIA ENERGY CODE
2025 CALIFORNIA GREEN BUILDING CODE
2025 CALIFORNIA MECHANICAL CODE
2025 CALIFORNIA PLUMBING CODE
2025 CALIFORNIA ELECETRICAL CODE
2025 CALIFORNIA REFERENCE STANDARD CODE
2025 CALIFORNIA RESIDENTIAL CODE
CITY OF THOUSAND OAKS MUNICIPAL CODE (TOMC)

APPLICABLE CODES

VCFPD 13 SYSTEM VERBATIM NOTES

12.3 OVERHEAD NOTES.

12.3.1 UNDERGROUND MAINS AND LEAD IN CONNECTIONS TO SYSTEM RISERS SHALL BE FLUSHED BEFORE CONNECTION IS MADE TO SPRINKLER, STANDPIPE, OR OTHER FIRE PROTECTION SYSTEM PIPING TO REMOVE FOREIGN MATERIALS. FLUSHING SHALL BE IN THE PRESENCE OF A VCFPD'S FIRE PREVENTION BUREAU REPRESENTATIVE AND IN ACCORDANCE WITH NFPA 13.

12.3.2 AIR VENTING IS REQUIRED ON ALL WET PIPE SYSTEMS UTILIZING METALLIC PIPE.

12.3.3 ALL OVERHEAD FIRE LINES SHALL BE PRESSURIZED TO 200 PSI, OR 50 PSI ABOVE THE MAXIMUM STATIC PRESSURE, WHEN THE MAXIMUM STATIC PRESSURE IS MORE THAN 150 PSI. THE PRESSURE SHALL BE PROVIDED FOR AT LEAST 2 HOURS PRIOR TO THE SCHEDULED INSPECTION TIME.

12.3.4 INSPECTOR TEST VALVES SHALL BE INSTALLED ON ALL AUTOMATIC FIRE SPRINKLER SYSTEMS

12.3.5 INSPECTOR TEST VALVES SHALL BE LOCATED INSIDE THE BUILDING IN A READILY ACCESSIBLE LOCATION.

12.3.6 TEST VALVES LOCATED WITHIN A WALL SHALL BE PROTECTED BY A WALL PANEL DOOR WITH A SIMPLE TURN KNOB. PANEL DOORS KEPT CLOSED BY SCREWS OR LOCKS MAY BE ACCEPTABLE. THE PANEL DOOR SHALL HAVE AN **"INSPECTOR TEST VALVE"** IDENTIFICATION SIGN POSTED ON THE OUTSIDE.

12.3.7 LAG SCREWS OR POWER-DRIVEN FASTENERS SHALL NOT BE USED TO ATTACH SWAY BRACES TO THE BUILDING.

12.3.8 FASTENING METHODS OTHER THAN THOSE IDENTIFIED IN NFPA 13 SHALL BE ACCEPTABLE FOR USE IF CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER TO SUPPORT THE LOADS DETERMINED AND SUBMITTED TO VCFPD'S FIRE PREVENTION BUREAU.

12.3.9 A CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR ABOVEGROUND PIPING SHALL BE PROVIDED TO VCFD PRIOR TO FINAL INSPECTION.

12.3.10 WATER FLOW ALARM BELLS SHALL BE VISIBLE ON THE ADDRESS SIDE OF THE BUILDING.

12.3.11 AT THE TIME OF SYSTEM ACCEPTANCE, AN INSTALLATION TAG SHALL BE AFFIXED TO THE RISER AS PRESCRIBED BY TITLE 19, CALIFORNIA CODE OF REGULATIONS, CHAPTER 5.

12.3.12 ALL COMMERCIAL AUTOMATIC FIRE SPRINKLER SYSTEMS WITH 20 OR MORE FIRE SPRINKLERS SHALL BE MONITORED BY A UL LISTED CENTRAL STATION.

12.3.13 SYSTEMS SHALL BE DESIGNED NOT TO EXCEED 90% DEMAND OF AVAILABLE WATER SUPPLY.

12.3.14 FIRE PROTECTION FOR SPRAY BOOTHS SHALL BE HYDRAULICALLY CALCULATED BASED ON EXTRA HAZARD GROUP 2.

FIRE SPRINKLER NOTES

1. THIS FIRE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED PER THE REQUIREMENT OF NFPA 13, 2025 EDITION.
2. IT IS THE RESPONSIBILITY OF THE ON-SITE SUPERVISOR TO MAINTAIN THE INTEGRITY OF THE SPRINKLER SYSTEM.
3. THE SPRINKLER CONTRACTOR WILL PROVIDE THE OWNER WITH THE NECESSARY INSTRUCTION MANUALS FOR THE UPKEEP OF THE SYSTEM.
4. ONLY NEW SPRINKLERS SHALL BE EMPLOYED IN THE INSTALLATION OF THE SPRINKLER SYSTEM.
5. THE SYSTEM SHALL ONLY EMPLOY THE USE OF U.L. LISTED MATERIALS AND DEVICES.
6. A SET OF APPROVED PLANS SHALL BE MAINTAINED AT ALL TIMES ON THE JOB SITE.
7. AN APPOINTMENT SHALL BE MADE A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE WITH THE APPROPRIATE FIRE PREVENTION OFFICE FOR ALL INSPECTIONS AND TEST.
8. ALL SYSTEM PIPING SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR TWO HOURS, OR AT 50 PSI ABOVE THE SYSTEM OPERATING PRESSURE, WHICHEVER IS GREATER.
9. ALL TAMPER SWITCHES SHALL BE CONNECTED TO AN APPROVED CENTRAL STATION SUPERVISION COMPANY.
10. ALL VALVES SHALL HAVE A PERMANENTLY AFFIXED SIGN INDICATING ITS FUNCTION.
11. AUTOMATIC SPRINKLER SYSTEM SHALL BE SUPERVISED BY AN APPROVED, PROPRIETARY OR REMOTE STATION SERVICE OR A LOCAL ALARM WHICH WILL GIVE AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
12. ANY PORTION OF THIS SPRINKLER SYSTEM WHICH IS EXPOSED TO FREEZING SHALL BE ADEQUATELY PROTECTED AGAINST THIS EXPOSURE.
13. A STOCK OF TWELVE (12) SPARE SPRINKLERS OF EACH STYLE, TYPE, AND TEMPERATURE RATING, ALONG WITH A SPRINKLER WRENCH, SHALL BE LOCATED AT THE MAIN RISER.
14. ALL LOW POINTS IN THE SYSTEM TO BE PROVIDED WITH AUXILIARY DRAIN.
15. FERROUS PIPING: WELDED OR SEAMLESS STEEL. ANSI/ASTM A-135 WITH WELDING PERFORMED BY A CERTIFIED WELDER.
16. PIPES 1 INCH TO BE SCHEDULE 40 STEEL PIPE WITH THREADED FITTINGS.
17. PIPES 1¼ TO 8 INCH TO BE SCHEDULE #10 STEEL PIPE WITH GRVD ENDS
18. ALL THREADED FITTINGS TO BE CLASS 125 C.I. AND ALL GROOVED FITTINGS AND COUPLING TO BE VICTAULIC OR EQUAL.
19. ALL PIPE DIMENSIONS ARE CENTER-TO-CENTER.
20. OVERHEAD PIPING SHALL NOT BE COVERED OR CONNECTED UNTIL A HYDROSTATIC TEST HAS BEEN COMPLETED.
21. ROUGH AND FINAL INSPECTION ARE REQUIRED ON ALL SYSTEMS.
22. FIRE DEPARTMENT CONNECTIONS SHALL BE VISIBLE, ACCESSIBLE, HAVE NST FEMALE OUTLETS & PROTECTIVE CAPS, AND AN APPROVED CHECK VALVE IN THE MAIN LINE (AS CLOSE TO THE FDC AS POSSIBLE)
23. A METAL CALCULATION PLATE INDICATING THE HIGHEST RESIDUAL PRESSURE REQUIRED FOR THE SYSTEM OPERATION SHALL BE PERMANENTLY ATTACHED TO THE RISER.

SCOPE OF WORK

1. TO DESIGN A COMPLETE WET FIRE SUPPRESSION SYSTEM FOR THE NEW RESTROOM BUILDING AND THE NEW TRASH ENCLOSURE BUILDING INSIDE THE CONEJO COMMUNITY PARK AT 1174 HENDRIX AVE, THOUSAND OAKS CALIFORNIA.
2. SYSTEM DESIGN TO COMPLY IN ACCORDANCE WITH THE NFPA 13, 2025 EDITION AND VENTURA COUNTY FIRE DEPARTMENT REQUIREMENTS.

DESIGN CRITERIA

1. DESIGN AREA 1: RESTROOMS & STORAGE - ORDINARY 1 DENSITY OF 0.15 GPM/FT² OVER 580 FT² (ENTIRE BUILDING) PER NFPA 13, 2025 EDITION, SECTION 19.2.3.1.1 STANDARD QUICK RESPONSE PENDENT 130 FT² MAXIMUM SPACING, ½" NPT, K-FACTOR OF 5.6, WITH 200° TEMP.

2. DESIGN AREA 2: TRASH ENCLOSURE BUILDING - ORDINARY 1 DENSITY OF 0.15 GPM/FT² OVER (240 FT2) TOTAL AREA (2) SPRINKLERS, PER NFPA 13, 2025 EDITION, SECTION 19.2.3.1.1 STANDARD QUICK RESPONSE PENDENT 130 FT² MAXIMUM SPACING, ½" NPT, K-FACTOR OF 5.6, WITH 200° TEMP.

BUILDING INFORMATION

ADDRESS:	1175 HENDRIX AVE. THOUSAND OAKS CA
APN No:	5240090255
BUILDING CONSTRUCTION TYPE:	VB
OCCUPANCY TYPE:	ASSEMBLY
FIRE SPRINKLERED:	YES
No OF STORIES:	1
BUILDING AREA:	580 FT² - RESTROOM BUILDING 242 FT² - TRASH ENCLOSURE BUILDING

SHEET INDEX

FP-0.0:	GENERAL NOTES
FP-0.1:	SITE FIRE WATER LINE
FP-1.0:	PRE-MANUFACTURED RESTROOM BUILDING FIRE SPRINKLER PLAN
FP-2.0:	TRASH ENCLOSURE FIRE SPRINKLER PLAN

AUTHORITY HAVING JURISDICTION
STAMP OF APPROVALS

AGD
ARCHITECTURE | DESIGN

ANDREW GOODWIN DESIGNS
1238 MONTEREY ST.
SAN LUIS OBISPO, CA 93401
t: (805) 439-1611
www.andrewgoodwin.us

architect: andrew goodwin, aia
andrew@andrewgoodwin.us

COLLINGS & ASSOCIATES
FIRE PROTECTION ENGINEERING
260 MAPLE COURT, 241 VENTURA, CA 93003
PHONE: (805)658-0003 FAX: (805)658-0044
www.collingsandassociates.com

Architect of Record/Consultant

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REVISIONS

REV.	DATE	DESCRIPTION	BY
1	06/25/26	100% C.D.	C&A
2			

SEAL

REGISTERED PROFESSIONAL ENGINEER — ARTURO M. CALLEJO — No. M 27174 — Exp. 06/30/27 — MECHANICAL — STATE OF CALIFORNIA

PROJECT

CONEJO COMMUNITY PARK AND CENTER

1175 HENDRIX AVE, THOUSAND OAKS, CA 91360
APN: 5240090255

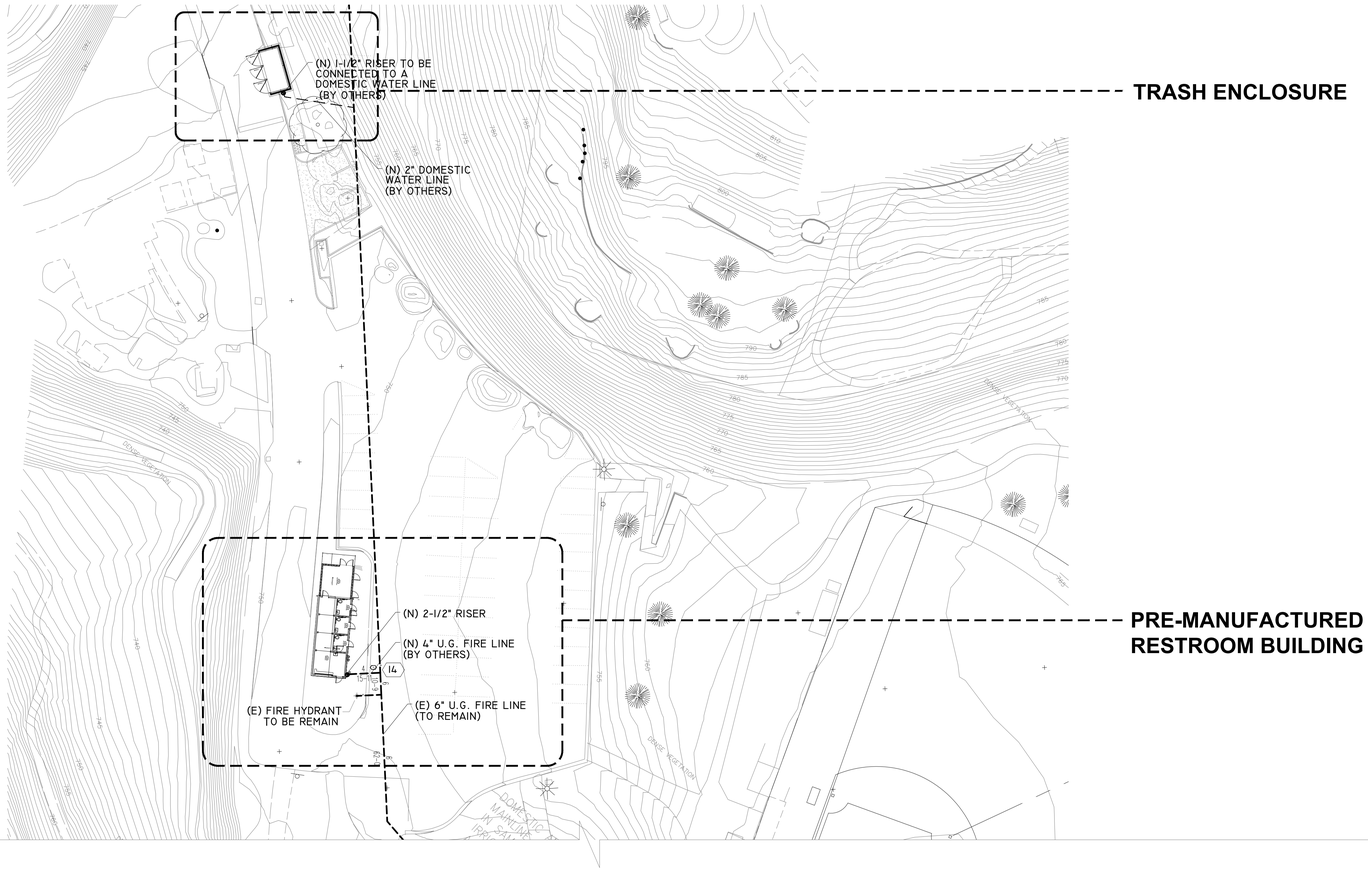
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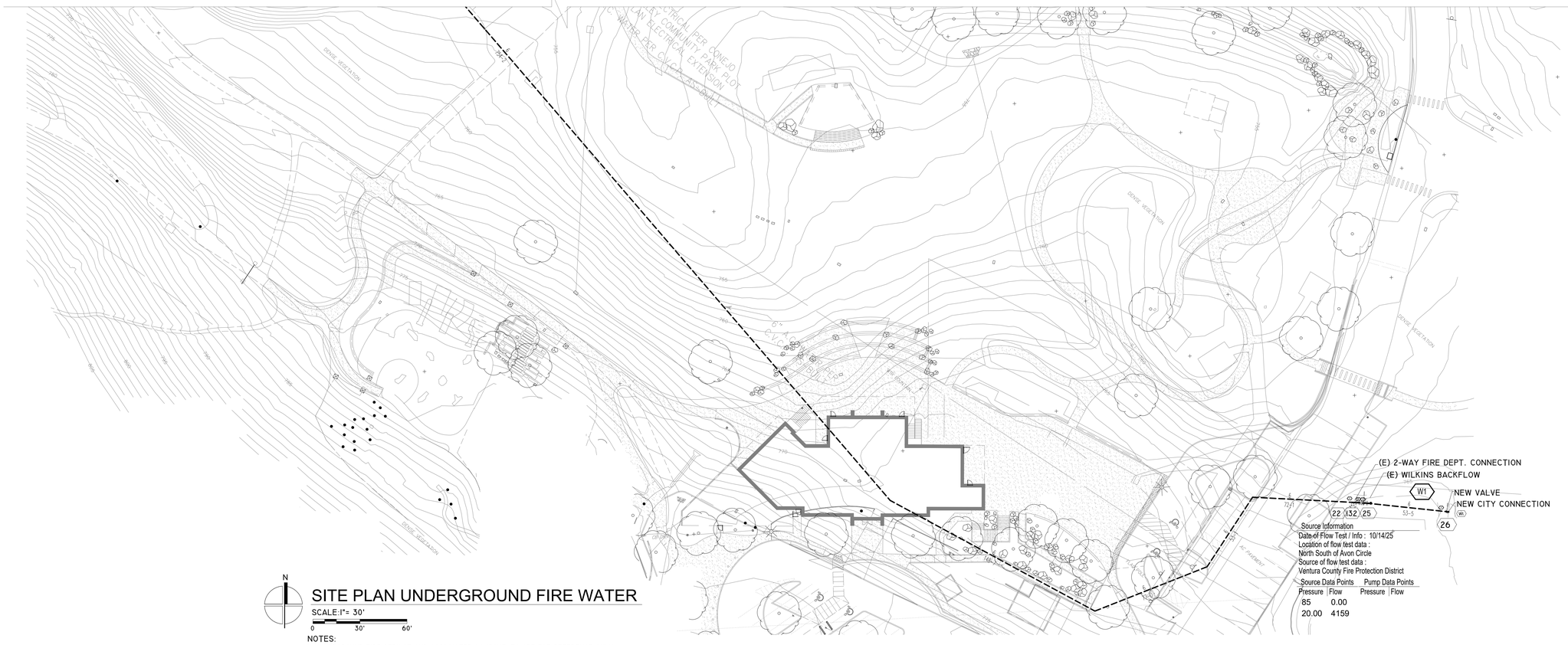
CONEJO RECREATION AND PARK DISTRICT

SHEET TITLE

GENERAL NOTES

DATE: 06/23/2026
DRAWN & DESIGN:
CHECK BY: COLLINGS
JOB NUMBER: 725
SHEET NUMBER
FP-0.0





N

SITE PLAN UNDERGROUND FIRE WATER

SCALE: 1" = 30'

0 30' 60'

NOTES:

1. UNDERGROUND FIRE SERVICE AND ASSOCIATED COMPONENTS ARE FOR REFERENCE ONLY. REFER TO CIVIL ENGINEER'S FIRE WATER PLAN FOR PRECISE INFORMATION.

AGD
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REVISIONS

REV.	DATE	DESCRIPTION	BY
1	04/25/26	100% C.D.	C&A
2			

SEAL

REGISTERED PROFESSIONAL ENGINEER
ARTHUR M. CALLINGS
No. M 27174
Exp. 06/30/27
MECHANICAL
STATE OF CALIFORNIA

PROJECT

CONEJO COMMUNITY PARK AND CENTER

1175 HENDRIX AVE, THOUSAND OAKS, CA 91360
APN: 5240090255

CLIENT

CONEJO RECREATION AND PARK DISTRICT

SHEET TITLE

SITE FIRE WATER LINE

DATE: 06/23/2026

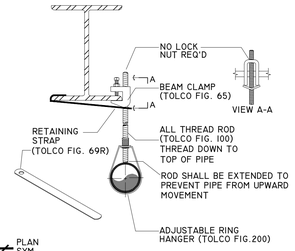
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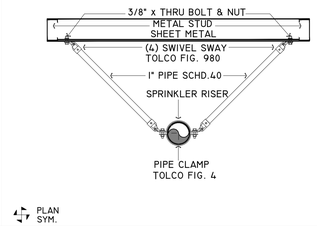
JOB NUMBER: 725

SHEET NUMBER

FP-0.1



7 BEAM CLAMP



6 4-WAY SWAY BRACE NOT TO SCALE



SIDEWINDER® FOR STEEL – Horizontal Application

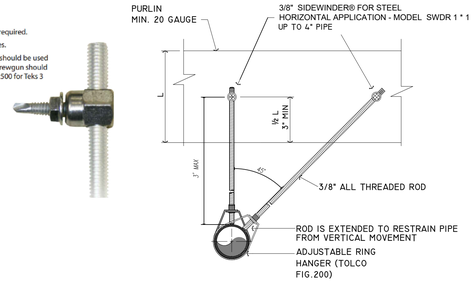
PRODUCT FEATURES

- Made with Teks® self-drilling fasteners - no pre-drilling required.
- Installs into steel range from 20 gauge – 1/2" thicknesses.
- A standard screwgun with a depth sensitive nosepiece should be used to install Teks. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500 for Teks 3 and 1-1800 for Teks 5.
- Saves time from traditional methods.
- Reduces installation costs.
- Quick to install using the Sammys Nut Driver with an 18V cordless drill/driver.
- Assembled in the U.S.A.

View our installation videos: www.sammysanchors.com/install

Table 18.6.4(a) Maximum Spacing [ft (m)] of Steel Pipe Restraints

Pipe [in. (mm)]	Seismic Coefficient, C_p			
	$C_p \le 0.50$	$0.5 < C_p \le 0.71$	$0.71 < C_p \le 1.40$	$C_p > 1.40$
1/2 (15)	25 (8.1)	23 (6.9)	15 (4.7)	14 (4.3)
3/4 (20)	30 (9.0)	25 (7.6)	18 (5.5)	16 (4.7)
1 (25)	33 (10.2)	28 (8.5)	20 (6.2)	17 (5.2)
1 1/4 (32)	36 (10.9)	30 (9.3)	21 (6.4)	19 (5.7)
1 1/2 (40)	38 (11.6)	32 (9.7)	23 (6.9)	19 (5.9)
2 (53)	41 (12.6)	35 (10.7)	24 (7.4)	21 (6.4)

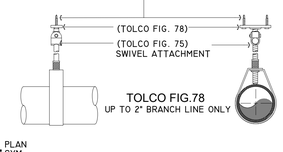


PLAN SYM.

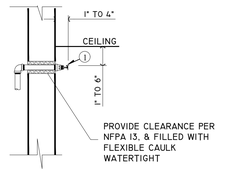
NOTE:
1. RESTRAINT OF BRANCH LINES SHALL NOT APPLY TO PIPES INDIVIDUALLY SUPPORTED BY RODS LESS THAN 6 IN. LONG MEASURED BETWEEN THE TOP OF THE PIPE AND THE POINT OF ATTACHMENT TO THE BUILDING STRUCTURE. (SEC. 9.3.6.5)
2. BRACING INTERVALS NOT TO EXCEED PER TABLE TABLE 9.3.6.4(A) IN BRACING CALCULATION.
3. END LINE BRACING SHALL BE LOCATED WITHIN 2'-0 OF A HANGER THAT RESTRAINT THE PIPE FROM UPWARD MOVEMENT.

5 BRANCH LINE RESTRAINT

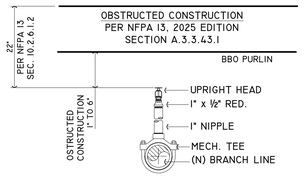
PIPE SIZE	UL LISTED FASTENER TABLE	
2	#14 X 1-1/4 4-POINT HEX-WASHER-HEAD SHEET METAL SCREW	WOOD
2½ - 4	1/4 X 1-1/2 WOOD SCREWS	WOOD
2	1/4 X 1 TEK SCREWS	METAL (18 GAUGE)

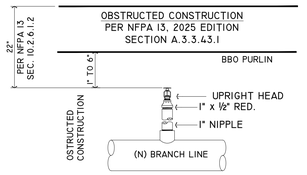


4 CEILING PLATE NOT TO SCALE



3 SIDEWALL SPRINKLER





NOT TO SCALE

2 TYP. UPRIGHT SPRINKLER

Calculation results for Design Area 1 - STORAGE & BATHROOMS

This system as shown on _____ company print no _____ dated _____
for Conejo Community Park and Center at 1175 Hendrix Ave.
contract no _____ is designed to discharge at a rate of 0.15 gpm/ft² (L/min/m²) of floor area over a maximum area of 580 ft² when supplied with water at a rate of 204.6 gpm at 36.3 psi at the base of the riser.
Hose stream allowance of _____ is included in the above.

Occupancy classification: OH-1
Commodity classification: _____
Maximum storage height: _____
Storage arrangement: _____

Number of heads flowing: 10
System Type: Wet
Maximum velocity: 17.97 ft/s

Flow from In-Rack sprinklers:	0 gpm
Flow from Overhead sprinklers:	204.6 gpm
Flow from Inside Hoses:	0 gpm
Flow from Outside Hoses:	0 gpm
Other fixed flows:	0 gpm
Total flow in system piping:	204.6 gpm
Additional flow at/beyond source:	250 gpm
Total of all flows:	454.6 gpm

Pressure Required at Source: 36.3 psi
Pressure Available at Source: 83.9 psi
Surplus Pressure at Source: 47.6 psi

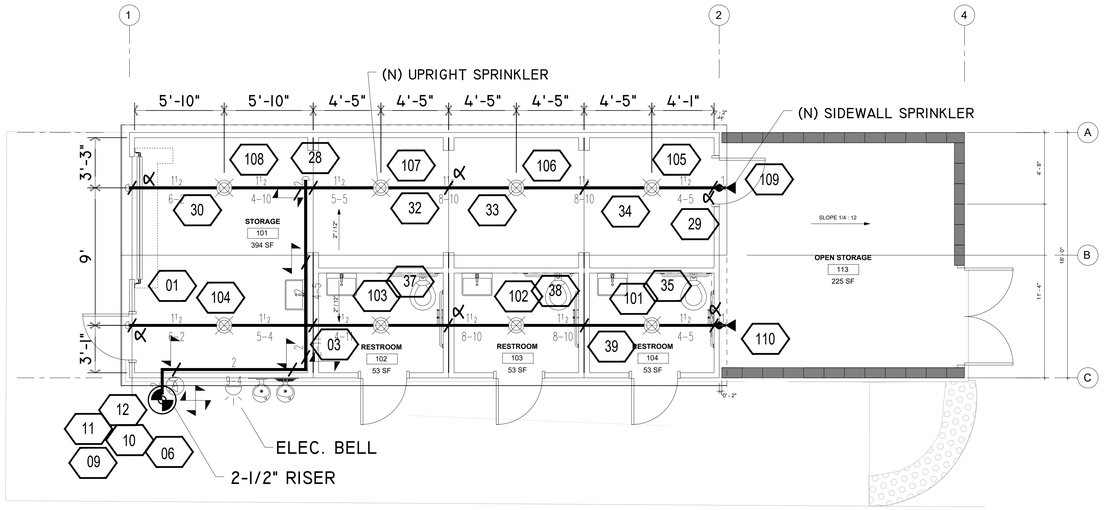
Design Area 1 — Wet System
STORAGE & BATHROOMS
Demand Calculations using Hazen-Williams Method

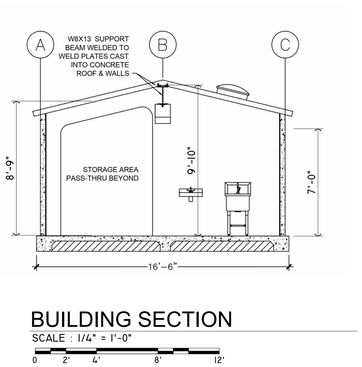
Occupancy Classification:	OH-1
Design Area Density:	0.15
Additional Outside Hose:	250
Design Area Size:	580

Notes:

SPRINKLER INFORMATION

SYM.	MANUFACTURER	SIN	NPT	K	TEMP	DESCRIPTION	QTY.
⊠	TYCO	TY3131	½	5.6	200	QUICK RESPONSE UPRIGHT, POLYESTER COATED	8
◁	TYCO	TY3331	½	5.6	200	SIDEWALL SPRINKLER POLYESTER COATED	2
						TOTAL	10



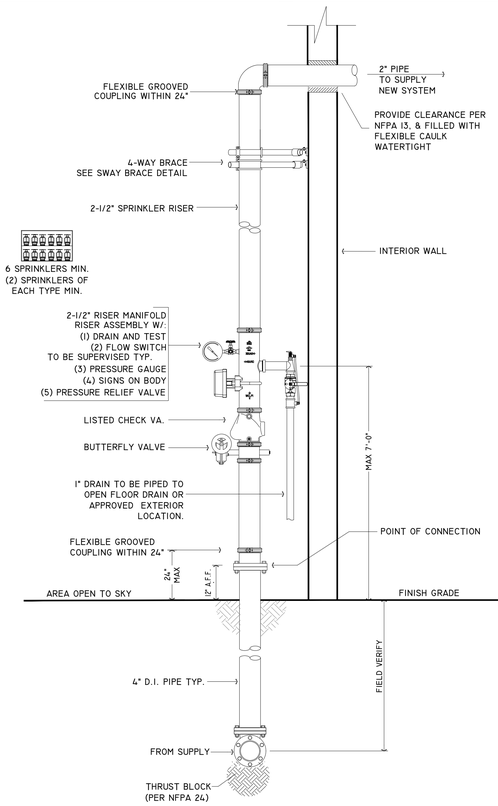


BUILDING SECTION
SCALE : 1/4" = 1'-0"
0 2' 4' 8' 12'

N

BATHROOM / STORAGE ROOM
SCALE : 1/4" = 1'-0"
0 2' 4' 8' 12'

NOTES:
1. STORAGE AREA SHALL BE CONSIDERED ORDINARY HAZARD GROUP I, DESIGN AS 0.15 GPM/OVER ENTIRE AREA. 130 FT2 MAXIMUM AREA PER SPRINKLER.
2. BATHROOM SHALL BE CONSIDERED LIGHT HAZARD. 225 FT2 MAXIMUM AREA PER SPRINKLER.
3. STORAGE AREA SHALL BE NO MORE THAT 8 FT ABOVE FINISHED FLOOR.
4. A MINIMUM CLEARANCE OF 18 INCHES BETWEEN THE SPRINKLER DEFLECTOR AND THE TOP OF THE STORAGE SHALL BE KEEP IT ALL THE TIME.
5. SPRINKLERS DEFLECTOR SHALL BE WITHIN 12 INCHES FROM THE DECK.
6. FIRE DEPARTMENT CONNECTION IS NOT REQUIRED BUILDING AREA IS LESS THAN 2000 FT2



1 NEW 2-1/2" SPRINKLER RISER NOT TO SCALE

AGD
ARCHITECTURE | DESIGN

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Architect of Record/Consultant

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REVISIONS

REV.	DATE	DESCRIPTION	BY
1	04/25/26	100% C.D.	C&A
2			

SEAL

REGISTERED PROFESSIONAL ENGINEER — ANTONIO M. CALVO — No. M 27174 Exp. 06/30/27 — MECHANICAL — STATE OF CALIFORNIA

PROJECT

CONEJO COMMUNITY PARK AND CENTER

1175 HENDRIX AVE, THOUSAND OAKS, CA 91360
APN: 5240090255

CLIENT

CONEJO RECREATION AND PARK DISTRICT

SHEET TITLE

PRE-MANUFACTURED RESTROOM BUILDING FIRE SPRINKLER PLAN

DATE: 06/23/2026
DRAWN & DESIGN:
CHECK BY: COLLINGS
JOB NUMBER: 725

SHEET NUMBER

FP-1.0

SIDEWINDER® FOR STEEL – Horizontal Application

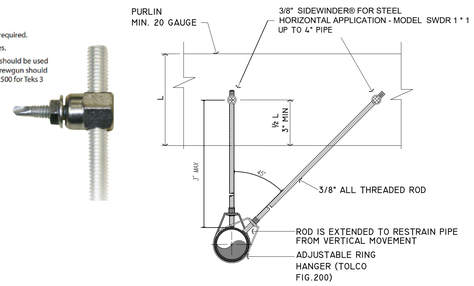
Table 18.6.4(a) Maximum Spacing [ft (m)] of Steel Pipe Restraints

Pipe Header	Seismic Coefficient, C_p			
Pipe [in. (mm)]	$C_p \le 0.50$	$0.5 < C_p \le 0.71$	$0.71 < C_p \le 1.40$	$C_p > 1.40$
1/2 (15)	25 (8.1)	23 (6.9)	15 (4.7)	14 (4.3)
3/4 (20)	30 (9.0)	25 (7.6)	18 (5.5)	16 (4.7)
1 (25)	33 (10.2)	28 (8.5)	20 (6.2)	17 (5.2)
1 1/4 (32)	36 (10.9)	30 (9.3)	21 (6.4)	19 (5.7)
1 1/2 (40)	38 (11.6)	32 (9.7)	23 (6.9)	19 (5.9)
2 (53)	41 (12.6)	35 (10.7)	24 (7.4)	21 (6.4)

PRODUCT FEATURES

- Made with Teks® self-drilling fasteners - no pre-drilling required.
- Installs into steel range from 20 gauge – 1/2" thicknesses.
- A standard screwgun with a depth sensitive nosepiece should be used to install Teks. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500 for Teks 3 and 1-1800 for Teks 5.
- Saves time from traditional methods.
- Reduces installation costs.
- Quick to install using the Sammys Nut Driver with an 18V cordless drill/driver.
- Assembled in the U.S.A.

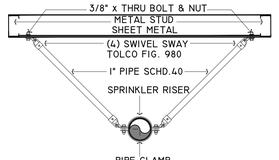
View our installation videos: www.sammysanchors.com/install



PLAN SYM.

NOTE:
1. RESTRAINT OF BRANCH LINES SHALL NOT APPLY TO PIPES INDIVIDUALLY SUPPORTED BY RODS LESS THAN 6 IN. LONG MEASURED BETWEEN THE TOP OF THE PIPE AND THE POINT OF ATTACHMENT TO THE BUILDING STRUCTURE. (SEC. 9.3.6.5)
2. BRACING INTERVALS NOT TO EXCEED PER TABLE TABLE 9.3.6.4(A) IN BRACING CALCULATION.
3. END LINE BRACING SHALL BE LOCATED WITHIN 2'-0 OF A HANGER THAT RESTRAINT THE PIPE FROM UPWARD MOVEMENT.

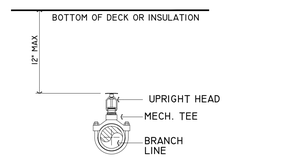
7 BRANCH LINE RESTRAINT

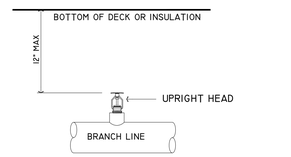


PLAN SYM.

5 4-WAY SWAY BRACE

NOT TO SCALE



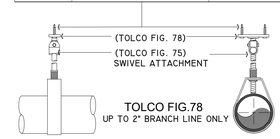


PLAN SYM.

NOT TO SCALE

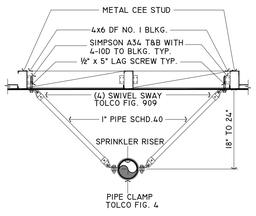
2 TYP. UPRIGHT SPRINKLER

PIPE SIZE	UL LISTED FASTENER TABLE	
2	#14 X 1-1/4 4-POINT HEX-WASHER--HEAD SHEET METAL SCREW	WOOD
2½ - 4	1/4 X 1-1/2 WOOD SCREWS	WOOD
2	1/4 X 1 TEK SCREWS	METAL (18 GAUGE)



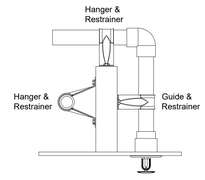
PLAN SYM.

4 CEILING PLATE



PLAN SYM.

6 4-WAY SWAY BRACE

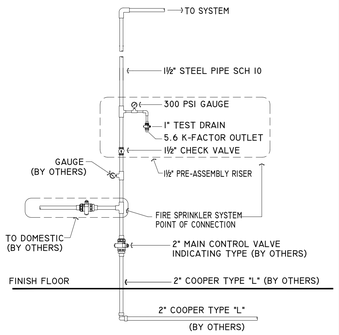


ANVIL - FIG. 188R:LISTED FASTENERS		
Pipe	Wood and Composite Beams	Steel (18ga. Minimum)
Steel & Copper	#14 x 1" TEK Screw or 1/4" x 1½" Lag Screw	#14 x 1" TEK Screw or 1/4" x 1" TEK Screw

PLAN SYM.

3 OFFSET HANGER

NOT TO SCALE

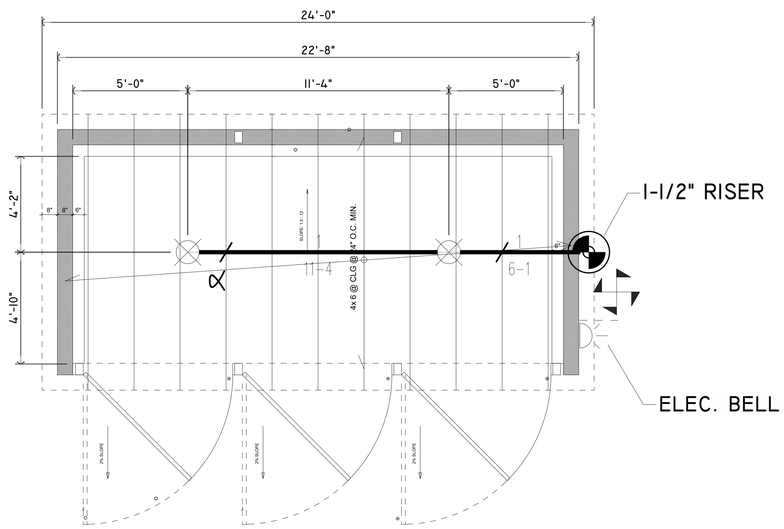


NOT TO SCALE

1 1-1/2" SPRINKLER RISER

SPRINKLER INFORMATION

SYM.	MANUFACTURER	SIN	NPT	K	TEMP	DESCRIPTION	QTY.
☒	TYCO	TY3131	½	5.6	200	QUICK RESPONSE UPRIGHT, POLYESTER COATED	2
						TOTAL	2



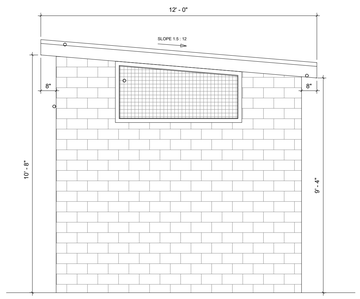
N

TRASH ENCLOSURE FIRE SPRINKLER PLAN

SCALE : 3/8" = 1'-0"

0 2' 4' 8'

NOTES:
1. TRASH ENCLOSURE SHALL BE CONSIDERED ORDINARY HAZARD GROUP I. DESIGN AS 0.15 GPM/OVER ENTIRE AREA. 130 FT2 MAXIMUM AREA PER SPRINKLER.
2. A MINIMUM CLEARANCE OF 18 INCHES BETWEEN THE SPRINKLER DEFLECTOR AND THE TOP OF THE STORAGE SHALL BE KEEP IT ALL THE TIME.
3. SPRINKLERS DEFLECTOR SHALL BE WITHIN 12 INCHES FROM THE DECK.
4. FIRE DEPARTMENT CONNECTION IS NOT REQUIRED BUILDING AREA IS LESS THAN 2000 FT2



WEST ELEVATION

SCALE : 3/8" = 1'-0"

0 2' 4' 8'

AGD
ARCHITECTURE | DESIGN

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REVISIONS

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2			

SEAL

REGISTERED PROFESSIONAL ENGINEER — JUSTINO M. CALVO — No. M 27174 — Exp.06/30/27 — MECHANICAL — STATE OF CALIFORNIA

PROJECT

CONEJO COMMUNITY PARK AND CENTER

1175 HENDRIX AVE,
THOUSAND OAKS, CA
91360
APN: 5240090255

CLIENT

CONEJO RECREATION AND PARK DISTRICT

SHEET TITLE

TRASH ENCLOSURE FIRE SPRINKLER PLAN

DATE: 06/23/2026

DRAWN & DESIGN:

CHECK BY: COLLINGS

JOB NUMBER: 725

SHEET NUMBER

FP-2.0