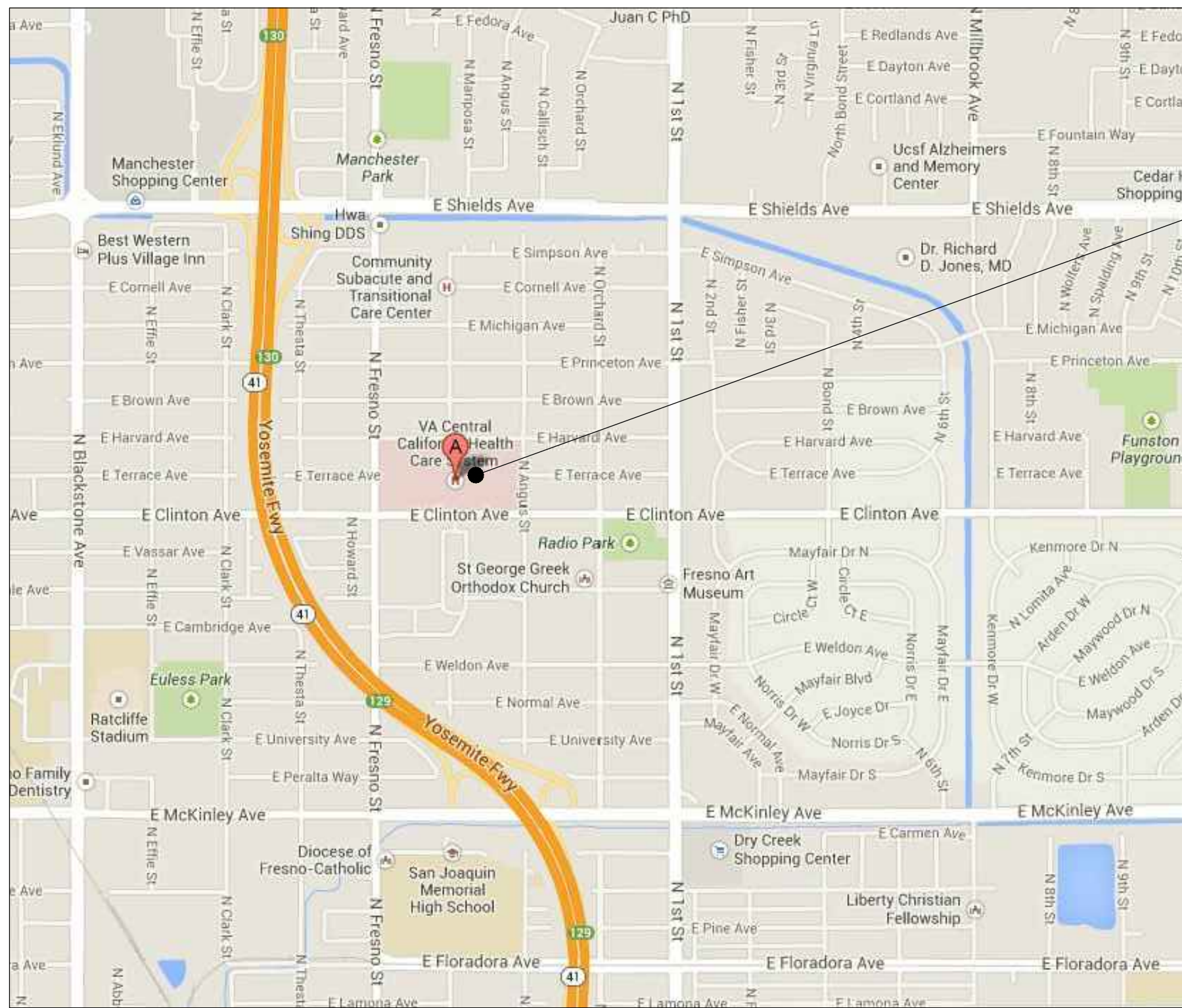


GENERAL NOTES

- THE INTENT OF THE DRAWINGS IS TO DEFINE THE FIRE PROTECTION DESIGN FOR THE PROJECT.
- ALL WORK SHALL BE IN COMPLIANCE WITH THE 2009 IBC, 2013 CALIFORNIA BUILDING CODE, THE 2013 CALIFORNIA FIRE CODE, THE REQUIREMENTS OF THE CITY OF FRESNO, THE REQUIREMENTS OF THE 2013 EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD 13.
- THE BUILDING IS CLASSIFIED AS ORDINARY HAZARD, GROUP 1 AND SHALL BE HYDRAULICALLY DESIGNED, WET-PIPE SYSTEM PROVIDING A MINIMUM DENSITY OF 0.15 GPM OVER THE REMOTE 1,500 SQUARE FEET WITH A COMBINED INSIDE/OUTSIDE HOSE STREAM ALLOWANCE OF 250 GPM.
- WATER WATER SUPPLY INFORMATION FROM THE DEPARTMENT OF VETERANS AFFAIRS WAS RECEIVED ON 07-14-14 TAKING FROM THE FIRE PUMP ROOM. 120 PSI STATIC PRESSURE, 94 PSI RESIDUAL PRESSURE FLOWING 750 GPM.
- SEE FP.01 FOR UNDERGROUND INFORMATION, BACKFLOW PREVENTER, AND FIRE DEPARTMENT CONNECTIONS.
- CONTRACTOR IS RESPONSIBLE FOR FIELD COORDINATION AND ROUTING TO AVOID OBSTRUCTION AND TO INSTALL BRACING IN ACCORDANCE WITH NFPA 13. ALL HANGERS AND EARTHQUAKE BRACING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13, WHETHER SHOWN ON THESE PLANS OR NOT AT NO ADDITIONAL COST TO OWNER.
- SYSTEM PIPING SHALL BE SCHEDULE 10 PIPE FOR PIPING 2½" AND LARGER AND SCHEDULE 40 FOR PIPING 2" AND SMALLER. CHANGES OF PIPE DIRECTION SHALL BE ACCOMPLISHED BY THE USE OF FITTINGS SUITABLE FOR SPRINKLER SYSTEMS AS DEFINED BY NFPA 13 AND THE SPECIFICATIONS.
- CONTRACTOR SHALL PROVIDE AUXILIARY DRAINS WHERE REQUIRED BY NFPA 13 (NOT SHOWN ON PLANS).
- PROVIDE HANGERS IN ACCORDANCE WITH NFPA 13. CONTRACTOR SHALL PROVIDE ADEQUATE NUMBER OF HANGERS WHETHER REPRESENTED ON THESE PLANS OR NOT AT NO ADDITIONAL COST TO OWNER.
- ARCHITECT OF RECORD, MECHANICAL ENGINEER & FIRE PROTECTION CONTRACTOR (C-16) SHALL AFFIX THEIR SEAL, STAMP AND SIGN ALL SUBMITTALS.
- A COPY OF COMPLETED AND SIGNED "CONTRACTOR'S MATERIALS & TEST CERTIFICATE FOR UNDERGROUND PIPING" SHALL BE INCLUDED IN THE SUBMITTAL.
- PROVIDE SPARE SPRINKLER CABINET, SPRINKLER WRENCH, AND NO FEWER THAN 6 SPARE SPRINKLERS MATCHING THE TYPES AND TEMPERATURE RATING IN EACH PROTECTED AREA FOR SYSTEMS LESS THAN 300 SPRINKLERS (12 SPARE SPRINKLERS FOR SYSTEMS 300 TO 1,000 SPRINKLERS) IN AN APPROVED LOCATION BY OWNER.
- THE END SPRINKLER ON EACH LINE SHALL BE RESTRAINED AGAINST EXCESSIVE VERTICAL AND LATERAL MOVEMENT.
- THE SPRINKLER FLOW SWITCH SHALL BE TESTED TO CONFIRM THAT WHEN THE INSPECTOR'S TEST VALVE IS ACTIVATED AN ALARM WILL SOUND NO MORE THAN 90 SECONDS AFTER INITIAL FLOW (WITNESSED BY THE PROJECT INSPECTOR).
- SIGNAGE SHALL BE PROVIDED AS REQUIRED, INCLUDING "RISER ROOM IDENTIFICATION".
- A PERMANENT HYDRAULIC CALCULATIONS DESIGN DATA PLACARD SHALL BE ATTACHED TO EACH RISER.
- SPRINKLER CONTRACTOR SHALL COMPLETE AND SIGN CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR ABOVE GROUND PIPING. THIS FORM SHALL BE GIVEN TO THE PROJECT INSPECTOR WHO WILL FORWARD TO DSA FOR FILING IN PROJECT RECORDS.
- FOR IDENTIFICATION OF RATED WALLS: SEE ARCHITECTURAL PLANS.
- ALL RISER NIPPLES TO UPRIGHTS ABOVE CEILING ARE APPROXIMATELY 12 INCHES.
- CONTRACTOR SHALL VISIT THE SITE TO DETERMINE EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD COORDINATION AND ROUTING TO AVOID OBSTRUCTION WITH OTHER TRADES AS REQUIRED TO INSTALL A COMPLETE OPERATIONAL SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 (2013 EDITION), CITY OF FRESNO FIRE DEPARTMENT AND THE SPECIFICATIONS, WHETHER REPRESENTED ON THESE PLANS OR NOT AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL VERIFY AS-BUILT CONDITIONS ON SITE, AND NOTIFY OWNER OF ANY DEFICIENCIES, PRIOR TO FABRICATION AND/OR INSTALLATION.
- THE SPRINKLER SYSTEM INSTALLATION SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES. THE GENERAL CONTRACTOR'S SUBMITTED SCHEDULE SHALL BE FOLLOWED.
- REMOVAL AND REPLACEMENT OF EXISTING CEILINGS, WHEREVER NECESSARY FOR INSTALLATION OF THE SPRINKLER SYSTEM, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CEILINGS AFFECTED DURING INSTALLATION OF THE SPRINKLER SYSTEM SHALL BE REFINISHED WITH NEW AT NO COST TO THE OWNER.
- DELIVERY OF ALL MATERIALS AND EQUIPMENT TO THE JOB SITE SHALL BE SCHEDULED TO ASSURE COMPLIANCE WITH THE PREDETERMINED CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE AND HANDLING OF ALL MATERIALS AND EQUIPMENT ON THE JOB SITE, INCLUDING FURNISHING OF ANY STORAGE FACILITIES OR STRUCTURE REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, SEALING, PATCHING, AND PAINTING REQUIRED FOR INSTALLATION OF THE SPRINKLER SYSTEM. ALL PENETRATIONS SHALL BE SEALED WITH NONCOMBUSTIBLE MATERIAL. FOR THOSE PENETRATIONS THAT ARE THROUGH FIRE-RATED WALLS, FLOORS OR CEILINGS, SEAL WITH MATERIAL THAT HAS THE SAME FIRE RATING AS THE WALL, FLOOR OR CEILING BEING PENETRATED. U.L. ASSEMBLIES FOR THROUGH PENETRATION SHALL BE SUBMITTED AND APPROVED PRIOR TO ANY WORK BEING PERFORMED.
- IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO PROVIDE, AT NO ADDITIONAL COST TO THE OWNER, ALL REQUIRED PIPING, FITTINGS, OFFSETS, AND ELEVATION CHANGES TO ACCOMMODATE ROUTING AROUND OBSTRUCTIONS AND FOR ADDRESSING UNFORESEEN CONDITIONS ENCOUNTERED IN THE FIELD AND NEEDED TO COORDINATE WITH WORK OF OTHER CONTRACTORS. IT IS ALSO THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE MAIN AND AUXILIARY DRAINS TO COMPLY WITH NFPA 13 WHETHER OR NOT SHOWN ON THE APPROVAL SET.
- THE DRAWINGS ARE THE "APPROVAL SET" OF DRAWINGS. THE DRAWINGS ARE INTENDED TO IDENTIFY THE SPRINKLER SYSTEM INSTALLATION FOR THE PURPOSE OF OBTAINING APPROVAL FROM REVIEWING AGENCIES. THE DRAWINGS ARE FURTHER INTENDED TO PROVIDE A CLEAR REPRESENTATION OF THE HAZARD TO BE PROTECTED, THE SYSTEM DESIGN CONCEPT, THE PROPOSED WATER SUPPLY CONFIGURATION AND BUILDING CONSTRUCTION INFORMATION PERTINENT TO SYSTEM LAYOUT.
- THE CONTRACTOR SHALL PROVIDE FOR INSTALLING ADDITIONAL SPRINKLERS, ASSOCIATED PIPING AND ADDITIONAL OFFSETS BEYOND THAT NOTED ON THE APPROVAL SET OF DRAWINGS. THE CONTRACTOR SHALL INCORPORATE THE COST FOR DESIGN, APPROVAL, MATERIALS AND INSTALLATION FOR 10% ADDITIONAL OFFSETS AND 10% ADDITIONAL SPRINKLERS AND ASSOCIATED PIPING.
- CHANGES TO THE APPROVAL SET OF DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND THE VA FOR APPROVAL. ADDING OR DELETING SPRINKLERS, MODIFYING PIPE SIZES, AND SIGNIFICANT CHANGES TO PIPE ROUTING SHALL BE SUBMITTED FOR APPROVAL. MINOR DEVIATIONS IN THE LOCATION OF SPRINKLERS AND PIPE ROUTING NEED NOT BE SUBMITTED FOR APPROVAL BUT SHALL BE RECORDED AND INCORPORATED INTO THE AS-BUILT DRAWINGS.
- CHANGES SHALL BE CATEGORIZED AS REQUIRED OR ELECTIVE. REQUIRED CHANGES INCLUDE, BUT ARE NOT LIMITED TO, THE PROVISION OF ADDITIONAL SPRINKLERS DUE TO OBSTRUCTIONS OR ARCHITECTURAL CHANGES MADE DURING THE COURSE OF CONSTRUCTION. ELECTIVE CHANGES INCLUDE, BUT ARE NOT LIMITED TO, MODIFICATIONS TO THE DESIGN SHOWN ON THE APPROVAL SET TO ACCOMMODATE SUBSTITUTIONS OF SPRINKLER TYPES AND LOCATIONS, TYPE, SIZE, AND ROUTING OF PIPING PROPOSED BY THE CONTRACTOR FOR COST SAVING AND OTHER REASONS. THE COST OF REVIEWING, PROCESSING AND OBTAINING APPROVALS OF ELECTIVE CHANGES BY THE VA AND ENGINEER SHALL BE PAID BY THE CONTRACTOR.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR A PRE-APPROVED ANCHORAGE DESIGN SYSTEM(S) WITH COMPLETE STRUCTURAL CALCULATIONS. ANCHORAGE DESIGN SYSTEM(S) SHALL BE REVIEWED BY THE SEOR AND THE VA PRIOR TO ANY WORK BEING PERFORMED. ISAT SYSTEM IS PREFERABLE.



VICINITY MAP
SCALE: NTS

100% CONSTRUCTION DOCUMENT SUBMITTAL

REVISE DRAWINGS PER REVIEW COMMENTS	01/MAY/15
UPDATE FLOOR PLAN	27/APR/15
ADD SEISMIC CONNECTIONS	19/FEB/15
REVISE DRAWINGS PER FLOOR PLAN CHANGES	23/JAN/15
SCHEMATIC DESIGN SUBMITTAL (NOT FOR CONSTRUCTION)	11/AUG/14
Revisions	Date

CONSULTANTS:



FIRE PROTECTION
ENGINEERS
755 BAYWOOD DRIVE
PETALUMA, CA 94954
(888) 779-3397



ARCHITECT/ENGINEERS:

hfp architects
745 distel drive
los altos, ca 94022
650 964 4514 fax: 650 967 5148



Drawing Title
AUTOMATIC FIRE SPRINKLER SYSTEM
COVER SHEET

Approved: Project Director

Project Title
VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM
NEW BUILDING 22A + CHILLER INFRASTRUCTURE

Location
FRESNO, CA.

Date
5/08/2015

Checked
N.V.

Drawn
T.S.

Project Number
570-13-300
Building Number
22A

Drawing Number
FP11

Dwg. of 83

Office of
Construction
and Facilities
Management



INDEX OF DRAWINGS

- FP1.1 COVER SHEET, WATERFLOW DATA & SEISMIC BRACING CALCULATIONS
FP1.2 AUTOMATIC FIRE SPRINKLER SYSTEM DETAILS
FP2.1 AUTOMATIC FIRE SPRINKLER SYSTEM FLOOR PLAN

PROJECT DESCRIPTION

VA Fresno, Building 22A is currently under design for the VA Campus located on E. Clinton Ave. The space will be located adjacent the Building 2, Boiler Room. It is approximately 2,645 s/f +/- and consists of a Chiller Room and Electrical Room. Per NFPA 13, the area is defined as Light Hazard Occupancy.

All fire sprinkler piping and components for this project shall be new. The water supply for this area shall be provided by the riser of the Building 2 Boiler Room upstream of where it penetrates the floor and continues into the underground chase. This connection will be made to the existing 8-inch main located in the south-east corner of the Building 2 Boiler Room. The supply connection for the Building 22A will be made downstream of the existing fire pump.

Building 22A will be provided with an independent waterflow switch, inspectors test valve, drain assembly, control valve, and tamper switch. Waterflow switches and tamper switches will require integration with the existing fire alarm system.

False ceilings and drop ceilings will not be provided. As a result, no interstitial space exists and all sprinklers will be uprights.

LEGEND

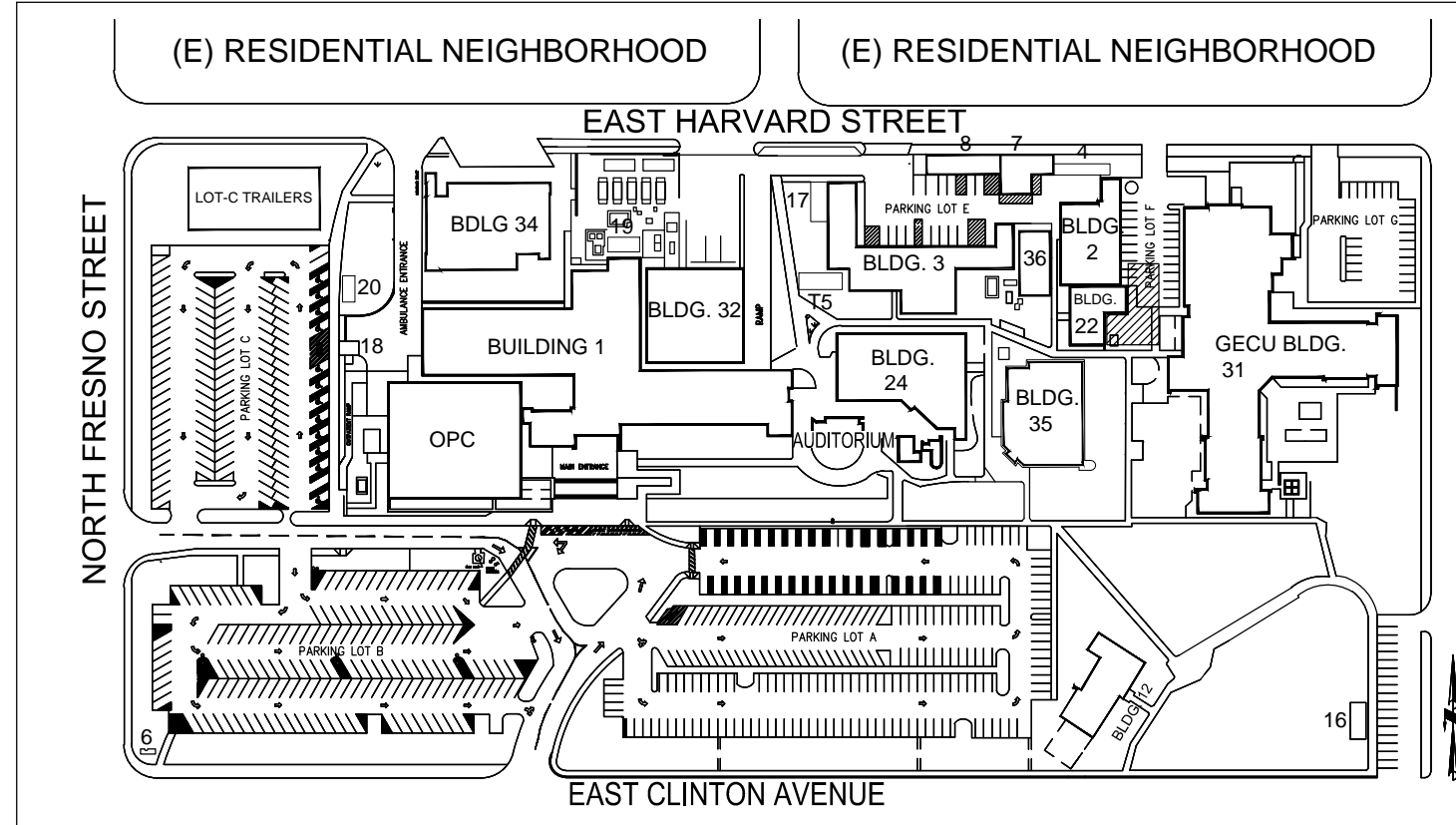
- QUICK RESPONSE RECESSED PENDENT SPRINKLER – TYCO MODEL TY-FRB (K=5.6) SIN=TY3231
- QUICK RESPONSE UPRIGHT SPRINKLER –TYCO MODEL TY-FRB (K=5.6) SIN=TY3131
- QUICK RESPONSE UPRIGHT SPRINKLER ABOVE CEILING, TO QUICK RESPONSE RECESSED PENDENT SPRINKLER BELOW CEILING.
- ◄ QUICK RESPONSE HORIZONTAL SIDEWALL SPRINKLER – TYCO MODEL TY-FRB (K=5.6) SIN=TY3331
- EXISTING SPRINKLER PIPE
- 1" NEW SPRINKLER PIPING (SIZE INDICATED)
- 2-WAY SEISMIC BRACE
- + 4-WAY SEISMIC BRACE
- END OF BRANCH LINE RESTRAINT
- ⊗ SPRINKLER RISER
- # HYDRAULIC REFERENCE NODE NUMBER
- REMOTE AREA OF APPLICATION
- WATERFLOW SWITCH
- ⊗ BUTTERFLY VALVE WITH TAMPER SWITCH
- N CHECK VALVE
- / HANGER
- RN RISER NIPPLE
- PIPE TEE
- PIPE ELBOW
- FIRE HYDRANT

Seismic Bracing Calculations - Lateral Brace				
Project:	Phase A - Chiller Plant Building 22A	Engineer:	Zari Consulting Group, Inc.	
Address:	Veterans Affairs California Healthcare System	Address:	755 Baywood Drive, Second Floor Petaluma, CA 94954	
Date:	12/5/14	Telephone:	(415) 746-9274	
Seismic Brace Information		Seismic Brace Attachments		
Length of brace:	7' - 0" max	Structure attachment fitting or tension-only bracing system:		
Diameter of brace:	1"	Make:	TOLCO	Model: 909 or 910
Type of brace:	Schedule 40 pipe	Listed load rating:	2015 lb	
Angle of brace:	45 to 59 degrees	Adjusted load rating per 9.3.5.10.3:	N/A	
Least radius of gyration: "	0.42	Sway brace (pipe attachment) fitting:		
L/R value:	200	Make:	TOLCO	Model: 1000
Maximum horizontal load:	1310	Listed load rating:	2015 lb	
		Adjusted load rating per 9.3.5.10.3:	N/A	
Fastener Information		Seismic Brace Assembly Detail		
Orientation of connecting surface:	B, E or H			
Fastener:				
Type:	Wedge Anchor	SEE ATTACHED BRACING DETAILS		
Diameter:	1/2 inch			
Minimum embedment length:	3 1/4 inches			
Maximum load per NFPA 13:	*713 lb			
	(Figure 9.3.5.9-1)	Refer to Detail 8 on Sheet FP 1.2		
		Brace identification used on plans:		2-Way Brace
		<input checked="" type="checkbox"/> Lateral brace		
		<input type="checkbox"/> Longitudinal brace		
Sprinkler System Load Calculation (Fpw = Cp*Wp (default is 0.5))				
Diameter	Type	Length (ft)	Total (ft)	Weight per ft
1	Sch 40	60	2.05	123.0 lb
1.25	Sch 40	30	2.93	87.9 lb
1.5	Sch 40	0	3.61	0.0 lb
2	Sch 40	30	5.13	153.9 lb
2.5	Sch 10	0	5.89	0.0 lb
3	Sch 10	0	7.64	0.0 lb
4	Sch 10	0	11.78	0.0 lb
6	Sch 10	15	23.03	345.5 lb
			Total wt of water-filled pipe	710.3 lb
			15% factor for fittings	106.5 lb
Fpw = (0.85 x 830) = 705lbs < 713lbs			Wp =	816.8 lb
* The max load for the bolt orientation is based of the most restrictive weight limits (713 lb for Orientation B and E) Orientation H is acceptable for this sway brace spacing provided on the floor plans For stretches of mains that do not have branch lines, braces are permitted to be doubled to 30ft spacing				
Zari Consulting Group, Inc. Fire Protection Engineers Building Code Experts				

Seismic Bracing Calculations - Longitudinal Brace					
Project:	Phase A - Chiller Plant Building 22A	Engineer:	Zari Consulting Group, Inc.		
Address:	Veterans Affairs California Health Care System	Address:	755 Baywood Drive, Second Floor Petaluma, CA 94954		
Date:	12/5/14	Telephone:	(415) 746-9274		
Seismic Brace Information		Seismic Brace Attachments			
Length of brace:	7' - 0" max	Structure attachment fitting or tension-only bracing system:			
Diameter of brace:	1"	Make:	TOLCO	Model: 909 or 910	
Type of brace:	Schedule 40 pipe	Listed load rating:	2015 lb		
Angle of brace:	45 to 59 degrees	Adjusted load rating per 9.3.5.10.3:	N/A		
Least radius of gyration: 1"	0.42	Sway brace (pipe attachment) fitting:			
L/R value:	200	Make:	TOLCO	Model: 1000	
Maximum horizontal load:	1310	Listed load rating:	2015 lb		
		Adjusted load rating per 9.3.5.10.3:	N/A		
Fastener Information		Seismic Brace Assembly Detail			
Orientation of connecting surface:	B, E, or H	(Provide detail on Plans)			
Fastener:					
Type:	Wedge Anchor				
Diameter:	1/2 inch				
Minimum embedment length:	3 1/4 inches				
Maximum load per NFPA 13: (Figure 9.3.5.9-1)	*713 lb				
		SEE ATTACHED BRACING DETAILS			
		Refer to Detail 9 on Sheet FP 1.2			
		Brace identification used on plans:	2-Way Brace		
		<input type="checkbox"/> Lateral brace			
		<input checked="" type="checkbox"/> Longitudinal brace			
Sprinkler System Load Calculation (Fpw = Cp*Wp (default is 0.5))					
Diameter	Type	Length (ft)	Total (ft)	Weight per ft	Total Weight
1	Sch 40	0	0	2.05 lb/ft	0.0 lb
1.25	Sch 40	0	0	2.93 lb/ft	0.0 lb
1.5	Sch 40	0	0	3.61 lb/ft	0.0 lb
2	Sch 40	0	0	5.13 lb/ft	0.0 lb
2.5	Sch 10	0	0	5.89 lb/ft	0.0 lb
3	Sch 10	0	0	7.64 lb/ft	0.0 lb
4	Sch 10	0	0	11.78 lb/ft	0.0 lb
6	Sch 10	25	25	23.03 lb/ft	575.8 lb
			Total wt of water-filled pipe		575.8 lb
			15% factor for fittings		86.4 lb
* Excludes tension-only bracing systems					
Fpw = (0.85 x 830) = 705lbs < 713lbs			Wp = 662.1 lb		
Zari Consulting Group, Inc. Fire Protection Engineers Building Code Experts					

MAIN BLDG. LONGITUDINAL & LATERAL BRACE CALCULATIONS

KEY MAP



1 SELF DRILLING ANCHOR, ROD AND RING
FP1.2 NOT TO SCALE

2 ROD STIFFENER
FP1.2 NOT TO SCALE

3 LONGITUDINAL EARTHQUAKE BRACING
FP1.2 NOT TO SCALE

4 END OF BRANCH LINE RESTRAINT
FP1.2 NOT TO SCALE

5 4 WAY LATERAL/LONGITUDINAL EARTHQUAKE BRACE
FP1.2 NOT TO SCALE

6 THREADED SIDE BEAM BRACKET, ROD & RING
FP1.2 NOT TO SCALE

7 LATERAL EARTHQUAKE BRACING
FP1.2 NOT TO SCALE

8 LATERAL EARTHQUAKE BRACE
FP1.2 NOT TO SCALE

9 LONGITUDINAL EARTHQUAKE BRACE
FP1.2 NOT TO SCALE

10
FP1.2

DETAIL — FLOOR ASSEMBLY

NOT TO SCALE

100% CONSTRUCTION DOCUMENT SUBMITTAL

REVISE DRAWINGS PER REVIEW COMMENTS	01/MAY/15
UPDATE FLOOR PLAN	27/APR/15
ADD SEISMIC CONNECTIONS	19/FEB/15
REVISE DRAWINGS PER FLOOR PLAN CHANGES	23/JAN/15
SCHEMATIC DESIGN SUBMITTAL (NOT FOR CONSTRUCTION)	11/AUG/14
Revisions:	Date

CONSULTANTS:



FIRE PROTECTION
ENGINEERS
755 BAYWOOD DRIVE
PETALUMA, CA 94954
(888) 779-3397



ARCHITECT/ENGINEERS:

hfp architects
745 distel drive
los altos, ca 94022
650 964 4514 fax: 650 967 5148



Drawing Title	AUTOMATIC FIRE SPRINKLER SYSTEM DETAILS
---------------	--

Approved: Project Director

Project Title	VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM NEW BUILDING 22A + CHILLER INFRASTRUCTURE
---------------	---

Location	FRESNO, CA.
----------	-------------

	Checked	Drawn
--	---------	-------

Project Number	570-13-300
Building Number	22A

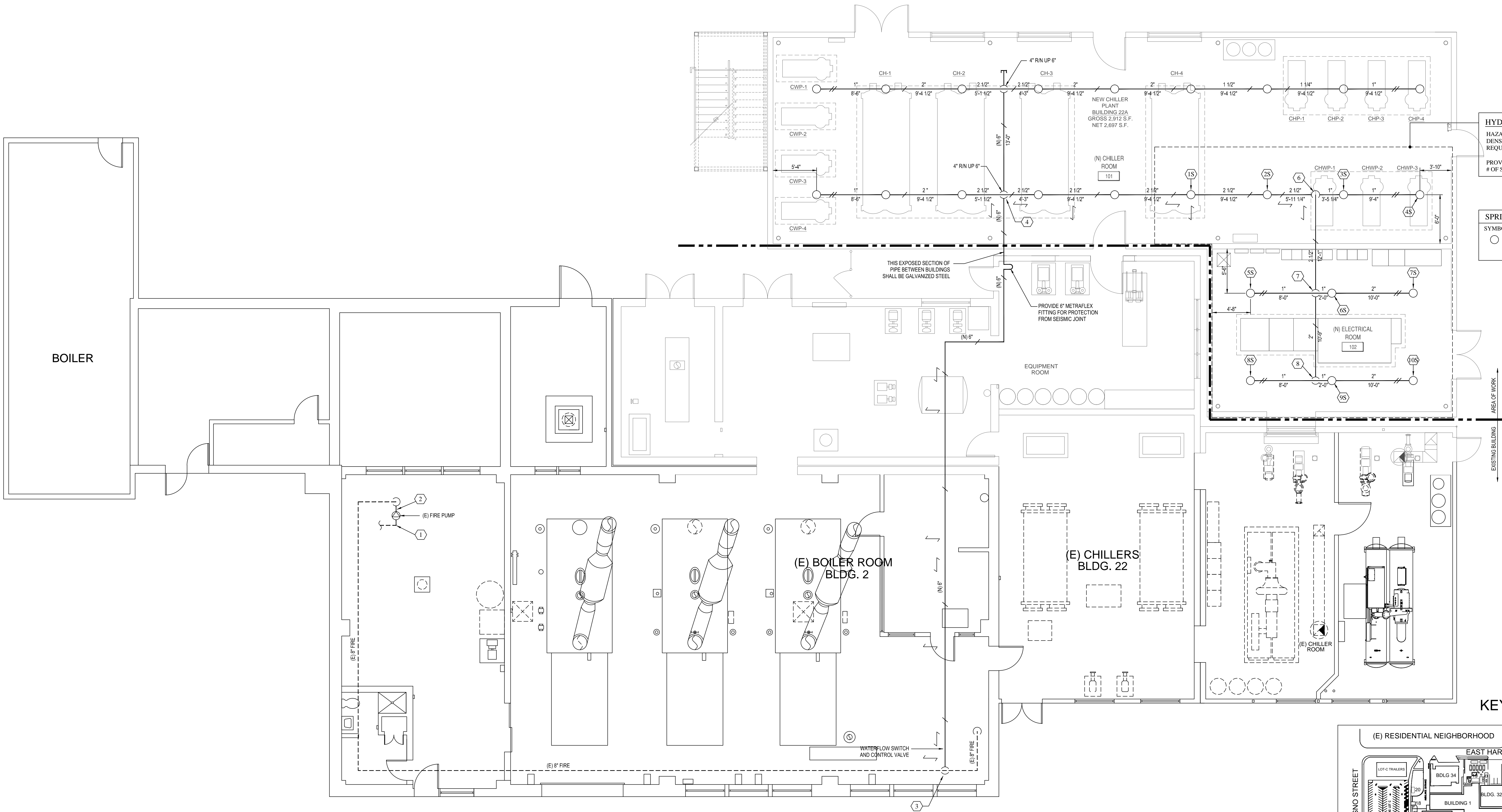
Drawing Number	FP1.2
----------------	-------

Office of
Construction
and Facilities
Management



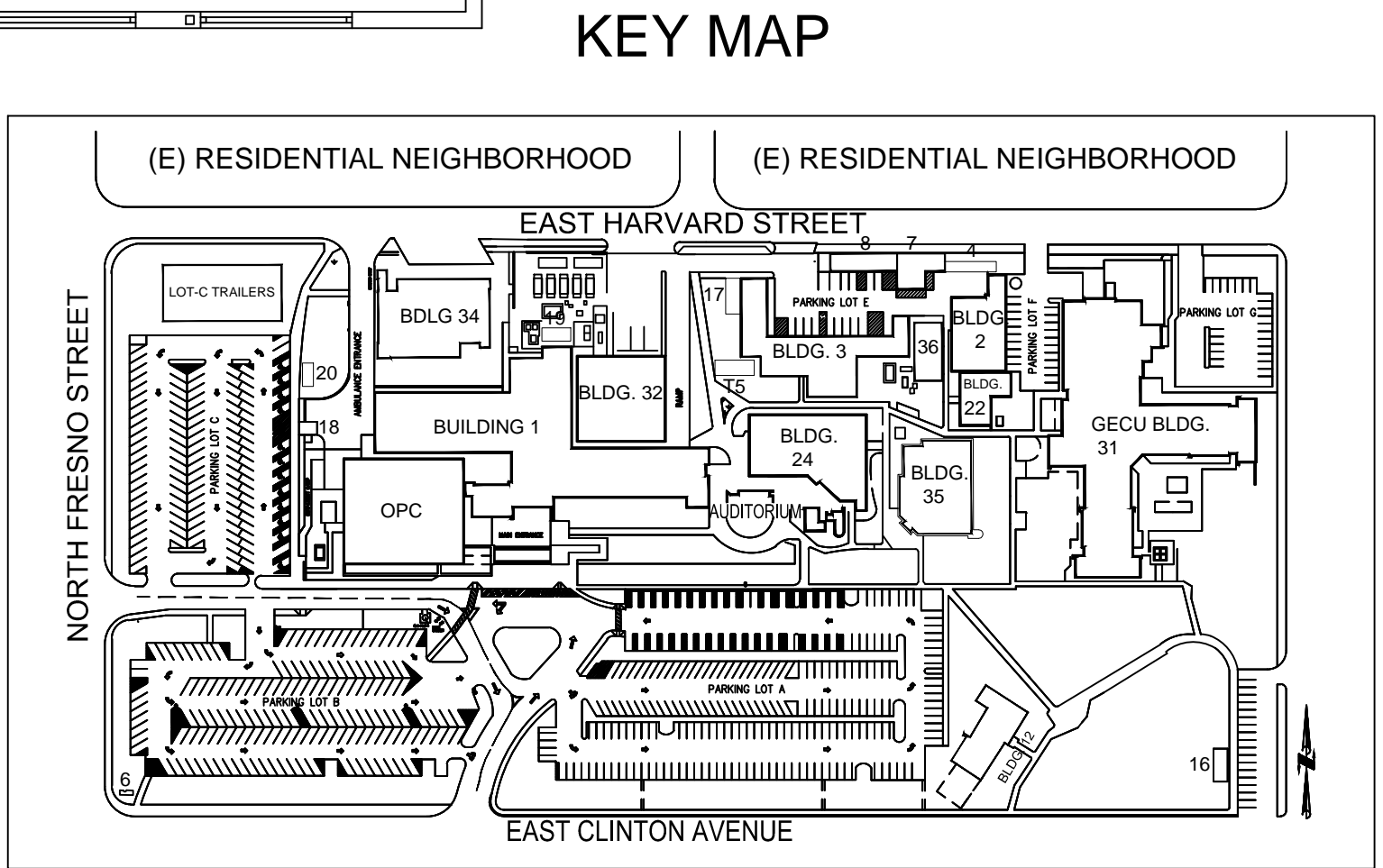
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one eighth inch = one foot

A
B
C
D
E
F



HYDRAULIC REMOTE AREA
HAZARD CLASSIFICATION: LIGHT HAZARD
DENSITY: 0.10 GPM / FT²
REQUIRED REMOTE AREA: 900 Square Feet
(w/ ceiling height reductions)
PROVIDED REMOTE AREA: 1,076 Square Feet
OF SPRINKLERS CALCULATED: 10

SPRINKLER LEGEND			
SYMBOL	QTY.	MODEL #	TYPE
	24	TYCO TY3131	QUICK RESPONSE



AUTOMATIC FIRE SPRINKLER SYSTEM FLOOR PLAN - CHILLER PLANT
SCALE = 3/16" = 1'-0"

100% CONSTRUCTION DOCUMENT SUBMITTAL

REVISIONS	DATE
REVISE DRAWINGS PER REVIEW COMMENTS	01/MAY/15
UPDATE FLOOR PLAN	27/APR/15
ADD SEISMIC CONNECTIONS	19/FEB/15
REVISE DRAWINGS PER FLOOR PLAN CHANGES	23/JAN/15
SCHEMATIC DESIGN SUBMITTAL (NOT FOR CONSTRUCTION)	11/AUG/14
Revisions	Date

CONSULTANTS:

ZARI
CONSULTING GROUP

FIRE PROTECTION
ENGINEERS
755 BAYWOOD DRIVE
PETALUMA, CA 94954
(888) 779-3397

ARCHITECT/ENGINEERS:

hfp architects
745 distel drive
los altos, ca 94022
650 964 4514 fax: 650 967 5148

Drawing Title
**AUTOMATIC FIRE SPRINKLER SYSTEM
FLOOR PLAN**

Approved: Project Director

Project Title
VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM
NEW BUILDING 22A + CHILLER INFRASTRUCTURE

Location
FRESNO, CA.

Date
5/08/2015

Checked
N.V.

Drawn
T.S.

Project Number
570-13-300

Building Number
22A

Drawing Number
FP21

Dwg. of 83

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs