ABBREVIATIONS

ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
∠	ANGLE	LAB	LABORATORY
@	AT	LBS	POUNDS
℄	CENTERLINE	LD	LEAK DETECTOR
ø	DIAMETER, ROUND or PHASE	LF	LINEAR FEET
		LG	LENGTH
ABV	ABOVE	LVL	LEVEL
AD	ACCESS DOOR or AREA DRAIN		
ADA	AMERICANS WITH DISABILITY ACT	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MBH	THOUSAND BTU PER HOUR
AG	ABOVE GRADE	MECH	MECHANICAL
AMPS	AMPERES	MEZZ	MEZZANINE
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT or ARCHITECTURAL	MIN	MINIMUM
ASSY	ASSEMBLY	MISC	MISCELLANEOUS
AUTO	AUTOMATIC	MTD	MOUNTED
AVG	AVERAGE		
		(N)	NEW
BEL	BELOW	NA	NOT APPLICABLE
BF	BELOW FLOOR	NC	NORMALLY CLOSED
BFF	BELOW FINISHED FLOOR	NFA	NET FREE AREA
BG	BELOW GRADE	NIC	NOT IN CONTRACT
BOF	BOTTOM OF FOOTING	NIFW	NOT IN FIRE PROTECTION WORK
BOS	BOTTOM OF STEEL	NO	NORMALLY OPEN
BHP	BRAKE HORSEPOWER	NPT	NATIONAL PIPE THREAD
BLDG	BUILDING	NTS	NOT TO SCALE
BSMT	BASEMENT		
BTU	BRITISH THERMAL UNIT	O	OPEN
BTUH	BRITISH THERMAL UNIT PER HOUR	OC	ON CENTER
		OD	OUTSIDE DIAMETER or OUTSIDE DIMENSION
CALCS	CALCULATIONS	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CAP	CAPACITY	OFOI	OWNER FURNISHED, OWNER INSTALLED
CFF	CAPPED FOR FUTURE	OPER	OPERATING
CFH	CUBIC FEET PER HOUR	OPP	OPPOSITE
CI	CAST IRON		
CLG	CEILING	P	PUMP
COL	COLUMN	PD	PRESSURE DROP
CONC	CONCRETE	PENTH	PENTHOUSE
CONN	CONNECT or CONNECTION	PH	PHASE
CONT	CONTINUATION	PKG	PACKAGE
CTE	CONNECT TO EXISTING	PLBG	PLUMBING
		PNL	PANEL
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DIM	DIMENSION	PSIG	POUNDS PER SQUARE INCH GAUGE
DN	DOWN	PUB	PUBLIC
DTL	DETAIL	PVT	PRIVATE
DVA	DEPARTMENT OF VETERANS AFFAIRS		
DWG	DRAWING	QC	QUICK COUPLER
		QTY	QUANTITY
(E)	EXISTING		
EA	EACH	(R)	RELOCATED
EFF%	EFFICIENCY (PERCENTAGE)	RCP	REINFORCED CONCRETE PIPE
ELEC	ELECTRIC or ELECTRICAL	RE	RIM ELEVATION
EL	ELEVATION	REF	REFERENCE
ELEV	ELEVATOR	REQD	REQUIRED
EMGY	EMERGENCY	RIO	ROUGH-IN-ONLY
ENGR	ENGINEER	RM	ROOM
EQ	EQUAL	RPM	REVOLUTIONS PER MINUTE
EQPT	EQUIPMENT		
ESS	EMERGENCY SAFETY STATION	SAD	SEE ARCHITECTURAL DRAWINGS
		SCHED	SCHEDULE
(F)	FUTURE	SECT	SECTION
°F	DEGREE FAHRENHEIT	SF	SQUARE FEET
FC	FLEXIBLE CONNECTION	SHT	SHEET
FF	FINISHED FLOOR	SIM	SIMILAR
FFE	FINISHED FLOOR ELEVATION	SJ	SEISMIC JOINT
FIN	FINISHED	SL	SLOPE
FLA	FULL LOAD AMPS	SP	STATIC PRESSURE
FLR	FLOOR	SPECS	SPECIFICATIONS
FPM	FEET PER MINUTE	SQ	SQUARE
FPS	FEET PER SECOND	SST	STAINLESS STEEL
FRE	FIRE RATED ENCLOSURE	STD	STANDARD
FT	FEET	STRUCT	STRUCTURAL
FTG	FOOTING	SYST	SYSTEM
		TDH	TOTAL DYNAMIC HEAD
GA	GAUGE	TEMP	TEMPERATURE
GAL	GALLONS	TOF	TOP OF FOOTING
GALV	GALVANIZED	TOS	TOP OF STEEL
GC	GENERAL CONTRACTOR	TP	TOTAL PRESSURE
GND	GROUND	TS	TAMPER SWITCH
GPH	GALLONS PER HOUR	TYP	TYPICAL
GPM	GALLONS PER MINUTE		
GRD	GRADE	UF	UNDERFLOOR
GSM	GALVANIZED SHEET METAL	UG	UNDERGROUND
		UON	UNLESS OTHERWISE NOTED
HD	HEAD or HUB DRAIN		
HORIZ	HORIZONTAL	V	VOLTS
HP	HORSEPOWER	VEL	VELOCITY
HR	HOUR	VFD	VARIABLE FREQUENCY DRIVE
HT	HEIGHT	VIF	VERIFY IN FIELD
HVAC	HEATING VENTILATING & AIR CONDITIONING	VOL	VOLUME
HZ	HERTZ		
		W	WATTS
ID	INSIDE DIAMETER or INSIDE DIMENSION	WT	WEIGHT
IE	INVERT ELEVATION	WxH	WIDTH x HEIGHT
IN	INCH	WxHxD	WIDTH x HEIGHT x DEPTH
		WxL	WIDTH x LENGTH
KW	KILOWATTS		

LEGEND

SYMBOL	ABBREV	DESCRIPTION
		SECTION REFERENCE / DRAWING NUMBER — SECTION TAG
		DETAIL NUMBER / DRAWING NUMBER — DETAIL TAG
		EQUIPMENT TYPE / EQUIPMENT NUMBER — EQUIPMENT TAG
		SHEET NOTE TAG
CTE	CTE	THICK LINE REPRESENTS NEW WORK AND THIN LINE REPRESENTS EXISTING WORK
	POC	POINT OF CONNECTION
(E)	(E)	EXISTING LINE
		EXISTING WORK TO BE REMOVED
		PIPE RISER/PIPE UP
		PIPE DROP/PIPE DOWN
		BRANCH TOP PIPE CONNECTION
		BRANCH BOTTOM PIPE CONNECTION
		PIPE CAPPED
		FLOW IN DIRECTION OF ARROW
		LINE CONTINUED
		PIPING OF TYPE INDICATED BELOW FLOOR OR BELOW GRADE
		PIPING OF TYPE INDICATED ABOVE FLOOR OR ABOVE CEILING
SPR	SPR	FIRE SPRINKLER PIPING
D	D	FIRE SPRINKLER DRAIN PIPING
	CR	CONCENTRIC REDUCER
	ER	ECCENTRIC REDUCER
	UN	UNION
	PG	PIPE GUIDE
	PA	PIPE ANCHOR
	NO	NORMALLY OPEN TYPE OF VALVE INDICATED
	NC	NORMALLY CLOSED VALVE OF TYPE INDICATED
	SOV	SHUT-OFF VALVE
	SOV	SHUT-OFF VALVE RISER
	AV	ANGLE VALVE
	FHV	FIRE HOSE VALVE
	FHVC	FIRE HOSE VALVE CABINET
	PG	PRESSURE GAUGE WITH PET COCK
	CV	CHECK VALVE
	OS&Y	OUTSIDE SCREW AND YOKE VALVE
TS	TS	VALVE WITH TAMPER SWITCH
	FS	FLOW SWITCH
	FDC	FIRE DEPARTMENT CONNECTION
		EXISTING FIRE SPRINKLER HEAD
		NEW FIRE SPRINKLER HEAD
		SPRINKLER HEAD TO BE REMOVE

FIRE PROTECTION GENERAL NOTES

A. REVISE EXISTING AUTOMATIC WET FIRE SPRINKLER SYSTEM FOR THE AREAS AFFECTED BY THE REMODELED WORK. THE FIRE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE CODES (NFC) PUBLISHED BY THE NATIONAL FIRE PROTECTION AGENCY (NFPA), NFPA STANDARD #13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS. DESIGN SHALL BE BASED ON THE LATEST EDITION OF THE NFC AT THE DATE OF AWARD OF THE CONTRACT.

B. MODIFICATION OF THE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND CALCULATIONS (INCLUDING WATER SUPPLY INFORMATION) HAVE BEEN APPROVED BY THE VA SAFETY AND FIRE PROTECTION ENGINEER (SFPE). AT VARIOUS STAGES AND UPON COMPLETION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF THE ENFORCING AUTHORITY.

C. THE FIRE PROTECTION SYSTEM(S) SHALL BE AWARDED AS "DESIGN-BUILD". IT IS THE RESPONSIBILITY OF THE CONTRACTOR AS THE DESIGN BUILD ENGINEER TO VERIFY ALL CONDITIONS SHOWN WITH THE VA SAFETY AND FIRE PROTECTION ENGINEER (SFPE) AND TO DESIGN A CODE COMPLIANT SYSTEM(S).

D. ALL FIRE SPRINKLER WORK SHALL BE PERFORMED BY A LICENSED FIRE PROTECTION CONTRACTOR WITH A CURRENT STATE OF CALIFORNIA C-16 LICENSE. THE INSTALLER SHALL HAVE BEEN ACTIVELY AND SUCCESSFULLY ENGAGED IN THE INSTALLATION OF COMMERCIAL AUTOMATIC SPRINKLER SYSTEMS FOR THE PAST TEN YEARS.

E. PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE APPROVED MATERIALS AS PRESCRIBED IN UBC STANDARDS.

F. HANGERS AND SWAY BRACING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13 REQUIREMENTS.

G. PROVIDE SEISMIC BRACING FOR THE END SPRINKLERS ON A BRANCH LINE FOR RESTRAINT AGAINST EXCESSIVE VERTICAL AND LATERAL MOVEMENT. USE WRAP AROUND HOOK.

H. FOR ANY CONFLICT IN THE DRAWINGS AND/OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. ANY SUCH CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION OF SUCH ITEMS.

I. PIPE SUPPORTS AND SEISMIC BRACING SHALL BE ATTACHED TO STRUCTURAL ROOF BEAMS OR BOTTOM FLUTES OF THE ROOF METAL DECK. PROVIDE ADDITIONAL STEEL SUPPORT MEMBERS AS REQUIRED.

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FINAL SUBMITTAL	2015.03.03
100% CONSTRUCTION DOCUMENTS	2015.01.22
95% CONSTRUCTION DOCUMENTS	2014.12.15
Revisions:	Date

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KPA Project No. 563.00

Drawing Title: LEGEND, ABBREVIATIONS AND GENERAL NOTES FIRE PROTECTION

Approved Project Director: - / - / VAPAHCS PLANNING AND ENGINEERING

Project Title: RENOVATE FAST TRACK FOR STAFF LOCKERS

Location: 3801 MIRANDA AVE. PALO ALTO, CA

Date: 2015.01.22 | Checked: NHJ | Drawn: CAD

Project Number: 640-15-112
Building Number: 100
Drawing Number: FX001
Dwg. of

FINAL SUBMITTAL

Office of Construction and Facilities Management

VA PAHCS — Veterans Affairs Palo Alto Health Care System

VA FORM 08-6231

GENERAL NOTES:

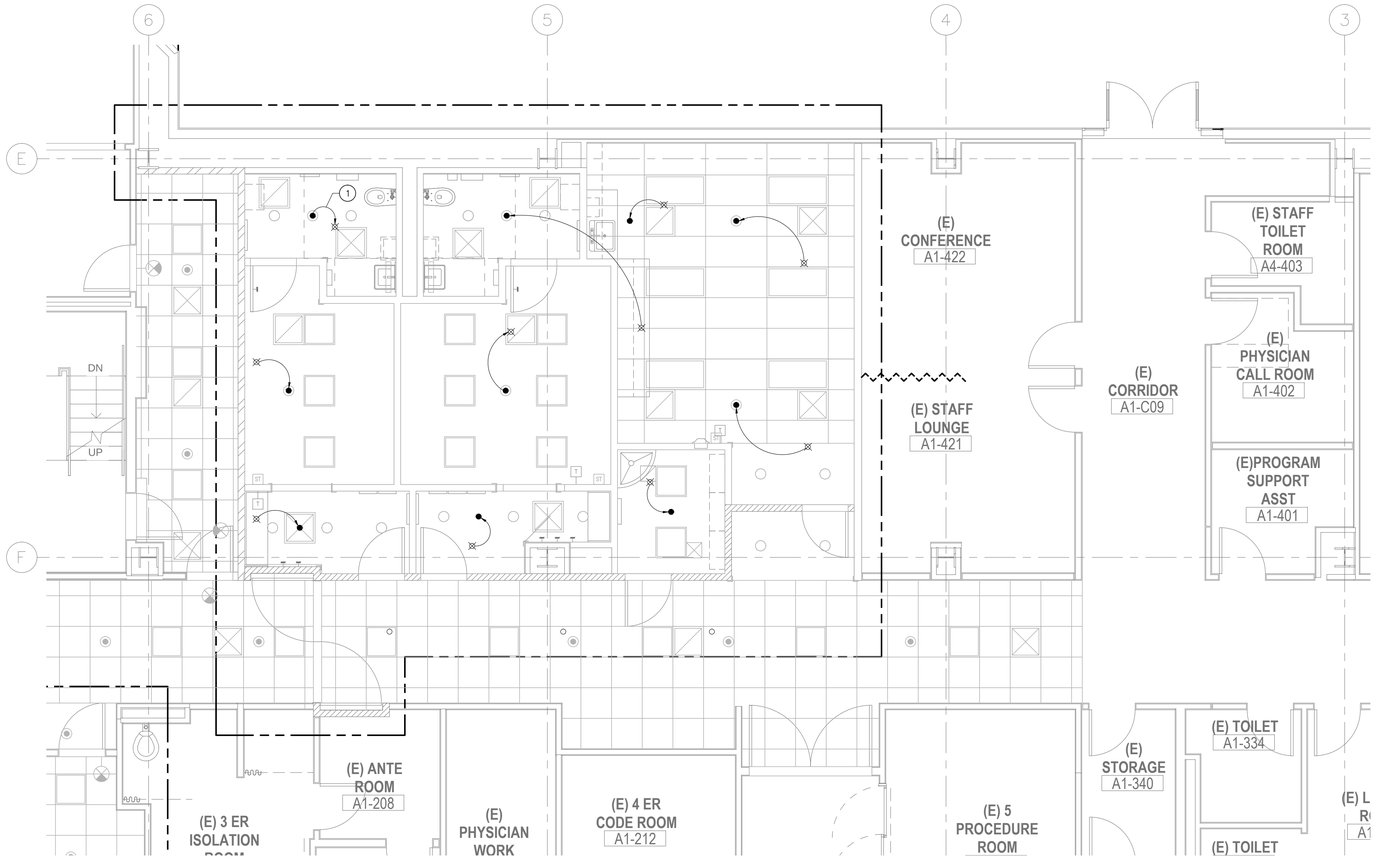
A. REVISE EXISTING FIRE SPRINKLER SYSTEM WITHIN THE PROJECT AREA IN ACCORDANCE WITH NFPA 13 REQUIREMENTS TO ACCOMMODATE NEW FINISHED CEILINGS AND PARTITIONS.

B. REMOVE AND REPLACE ALL EXISTING SPRINKLER HEADS. NEW SPRINKLER HEADS SHALL MATCH THE TYPE AND MANUFACTURER OF THE EXISTING SPRINKLER HEADS.

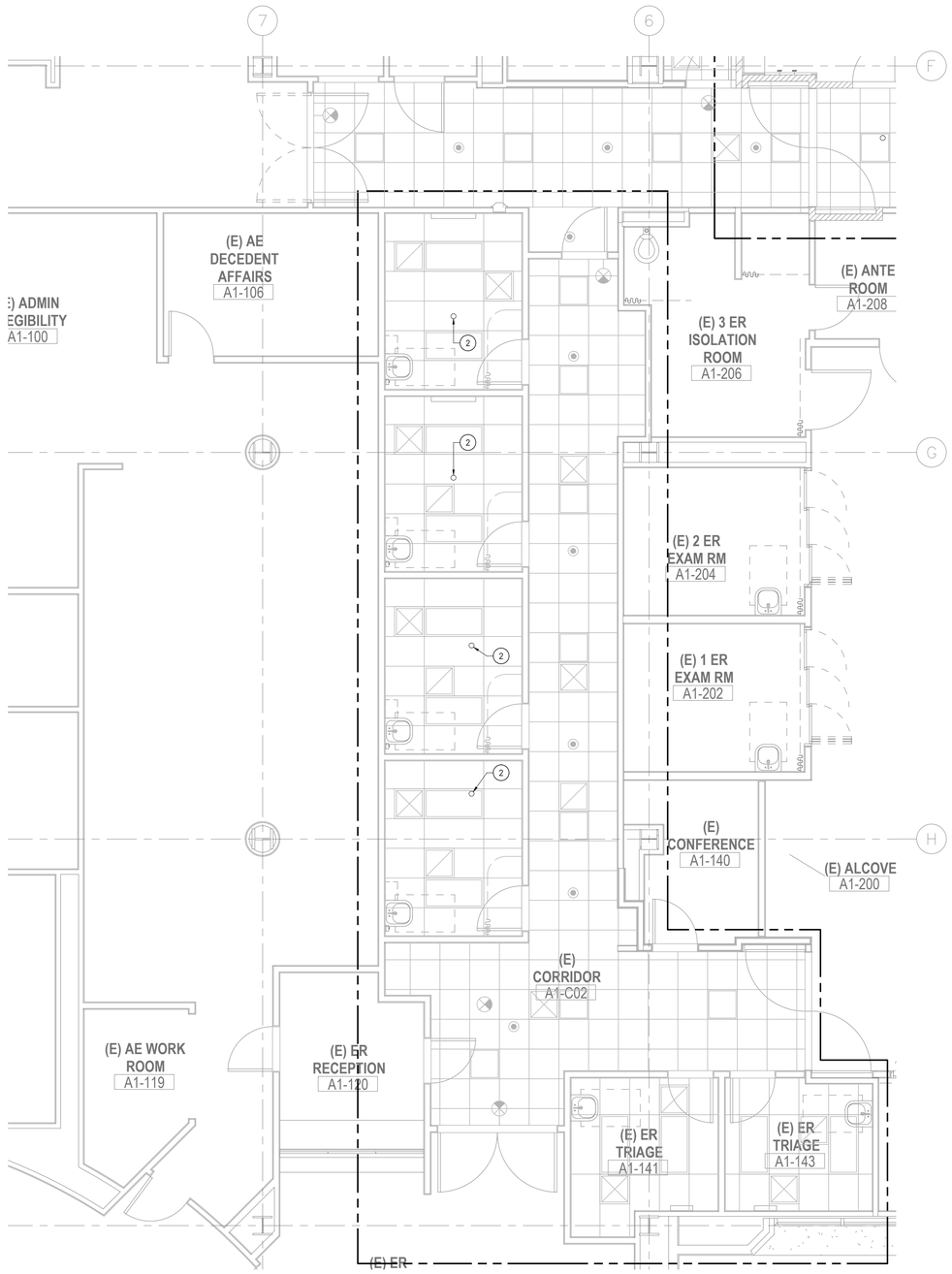
C. SPRINKLER HEADS SHALL BE INSTALLED AT THE CENTER OF THE CEILING TILE.

SHEET NOTES:

1. REPLACE (E) SPRINKLER HEAD WITH NEW SPRINKLER HEAD, LOCATE (N) HEADS AS SHOWN. PROVIDE REQUIRED PIPING AND SUPPORTS.
2. (E) SPRINKLER HEAD TO REMAIN.



2 PHASE 2 FLOOR PLAN - STAFF LOUNGE AND LOCKERS
1/4" = 1'-0"



1 PHASE 1 FLOOR PLAN - FAST TRACK
1/4" = 1'-0"

FINAL SUBMITTAL

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Drawing Title: FIRST FLOOR PLANS FIRE PROTECTION
Project Title: RENOVATE FAST TRACK FOR STAFF LOCKERS
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Building Number: 100
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VA PAHCS Veterans Affairs Palo Alto Health Care System

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