



SHEET KEYNOTES

- 1 DEMO EXISTING BOILER STEAM LINE AND VALVE THEN CONDUCT NEW 2" STEAM LINE AND GATE VALVE TO EXISTING STEAM HEADER AT THIS LOCATION.
- 2 PRIOR TO DEMOLITION INSTALL NEW SHUT-OFF VALVE IN EXISTING PIPE AT THIS LOCATION. SCHEDULE BOILER PLANT SHUTDOWN WITH VAMC.
- 3 FOR INFORMATIONAL PURPOSES ONLY, ADDITIONAL STEEL TO BE PROVIDED BY STRUCTURAL AT THIS LOCATION TO RESIST FORCE OF STEAM PIPE EXPANSION (75,000 POUNDS).
- 4 STEEL SUPPORTS @ 10'-0" O.C. (TYP).
- 5 ANCHOR AT STEEL SUPPORT (5,000 POUND ANCHOR FORCE).
- 6 ANCHOR STEEL SUPPORT (50,000 POUND ANCHOR FORCE).
- 7 DEMOLISH EXISTING 3" HPS AND 3" PG AS HATCHED, AFTER NEW BOILER PLANT COMMISSIONING AND STARTUP.
- 8 CONNECT TO EXISTING CONDENSATE PUMP DISCHARGE PIPE.

GENERAL NOTES

- 1. SOME WORK MAY BE REQUIRED TO BE PERFORMED AFTER HOURS AND/OR ON WEEKENDS. WORK SHALL BE PHASED SO AS TO MINIMIZE INTERRUPTION OF BUILDING OPERATIONS. COORDINATE ALL SYSTEM SHUTDOWNS WITH VAMC.
- 2. CONTRACTOR TO COORDINATE WITH ALL TRADES TO ENSURE ADEQUATE ACCESS IS PROVIDED TO ALL VALVES AND TRAPS.
- 3. FOR CLARITY, NOT ALL PIPE RISERS AND DROPS ARE SHOWN.
- 4. INSTALL ADJUSTABLE HEIGHT PIPE ROLLERS AT ALL EXISTING STEEL STRUCTURAL SUPPORTS, UNLESS PIPE ANCHOR IS REQUIRED.
- 5. INSTALL PIPE SLICES AT ALL NEW STEEL STRUCTURAL SUPPORTS, UNLESS PIPE ANCHOR IS REQUIRED.

ABBREVIATIONS

- PC - PUMPED CONDENSATE
- HPR - HIGH PRESSURE RETURN (STEAM CONDENSATE)
- HPS - HIGH PRESSURE STEAM

1 MECHANICAL TUNNEL PLAN
SCALE: 1/8" = 1'-0"

STEAM TRAP SCHEDULE													
DESIG	GENERAL LOCATION	TYPE	TRAP SIZE	PRESSURE (PSIG)		DIFF PRESS (PSIG)		FLOW RATE (GPM)		STEAM TEMP (°F)		BASIS OF DESIGN	
				OPER	MAX	OPER	MAX	OPER	SAFETY FACTOR	DESIGN FLOW	OPER		MAX
T-21	TUNNEL	INVERTED BUCKET	1"	100	150	80	120	64	3	10"	350	350	SPRAYS/BAFCD
T-32	TUNNEL	INVERTED BUCKET	1"	100	150	80	120	64	3	10"	350	350	SPRAYS/BAFCD
T-35	TUNNEL	INVERTED BUCKET	1"	100	150	80	120	64	3	10"	350	350	SPRAYS/BAFCD
T-34	TUNNEL	INVERTED BUCKET	1"	100	150	80	120	64	3	10"	350	350	SPRAYS/BAFCD
T-36	TUNNEL	INVERTED BUCKET	1"	100	150	80	120	64	3	10"	350	350	SPRAYS/BAFCD

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FINAL DESIGN
APPROVED FOR CONSTRUCTION

<p>CONSULTANTS:</p> <p>Affiliated Engineers Affiliated Engineers SE, Inc. Tigra Tower Center 12921 SW 1st Road Ste 205 Gainesville, Florida 32609 Tel: 352.376.5500 Fax: 352.376.3479 CA-6140 AEI Project No. 140285-02</p>	<p>ENGINEER-OF-RECORD JACK STERNHEIM NEALE FL P.E. NO. 42678</p>	<p>ARCHITECT/ENGINEERS:</p> <p>AKEA INC. 3803 NW 95th Street, Suite B Gainesville, FL 32608 Phone: (352) 474-6124 Fax: (352) 474-6324 ODA: FL #26693 AKEA Project No. 083-14</p>	<p>Drawing Title SITE / TUNNEL / MECHANICAL ROOM PLAN</p> <p>Approved: Project Director</p>	<p>Project Title REPLACE BOILERS - FCA D. ENERGY AT THE MALCOM RANDALL VAMC</p> <p>Location: GAINESVILLE, FLORIDA</p> <p>Date: MARCH 9, 2015 Checked: JSN Drawn: RWD</p>	<p>Project Number 573-14-600 Building Number</p> <p>Drawing Number MP102 83 OF 127</p>	<p>Office of Construction and Facilities Management Department of Veterans Affairs</p>
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