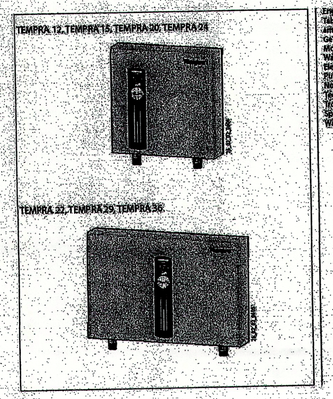
STIEBEL ELTRON

Tempra 12, Tempra 15, Tempra 20,
Tempra 22, Tempra 24, Tempra 29, Tempra 36

TANKLESS ELECTRIC WATER HEATERS
INSTALLATION INSTRUCTIONS FOR THE LICENSED
PLUMBER AND ELECTRICIAN



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STIEBEL ELTRON

Electrical connection

1. All electrical work must comply with national and applicable state and local electrical codes.
2. The ETEMPRA should be connected to properly grounded dedicated branch circuits of proper voltage rating. Ground must be brought to the "Ground" at the circuit breaker panel.

A TEMPRA 12 can be connected to a single circuit. Use copper cable protected by a double pole breaker (see ■).

The TEMPRA 15 or TEMPRA 36 must have multiple power feeds.

A TEMPRA 15 or a TEMPRA 24 require two independent circuits. Use two supply cables protected by two separate double pole breakers (see ■).

A TEMPRA 22, 29 or a TEMPRA 36 require three independent circuits. Use three supply cables protected by three separate double pole breakers (see ■).

Please refer to the technical data table for the correct wire and circuit breaker size for all units, where multiple supply power is required.

3. Connect electrical connection cable to length and strip

4. The wires must be fed through the knockout located between ■ and ■. The "hot" wires must be connected to the terminals marked L1 and L2. The neutral (if applicable) and L3. The ground wire must be connected to the marked with the ground symbol (see ■).
5. Reinstall the cover with screws.

Putting the water heater into operation

1. Turn on circuit breakers to bring electrical power to the unit.
2. Adjust the water temperature in the bottom of the unit using the knob on the front cover of the unit. The TEMPRA Modern the temperature in degree Celsius. There is a conversion table on the front cover that helps to convert from degree Celsius to degree Fahrenheit.
3. Turn on hot water and wait several seconds until temperature has stabilized.
4. Check flow rate and temperature with your hand and make sure that it does not feel too hot. Reduce if necessary.
5. Operate in accordance with the instructions and familiarize him or her with its use.
6. Advise the user about the Stiebel Eltron Technical Information Page No. 1101-6 (20°C), hand over these instructions to the user for future reference.

Normal maintenance

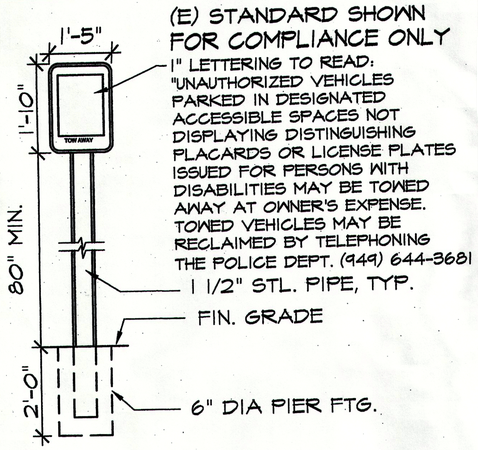
STIEBEL ELTRON TEMPRA tankless water heaters are designed for a very long service life. Assume the expected life with very hard water quality and use. The unit itself does not require any normal maintenance. However, it is recommended that the unit be inspected for signs of corrosion or leaks. It is recommended to periodically remove scale and dirt that may build up in the nozzle of the shower head in the shower head. Also, the TEMPRA head with its filter screen ■ may need to be cleaned from time to time. In order to do this, turn off the water supply to the unit. Unscrew ■ and remove the nozzle and the filter screen. Clean screen and put the screen and nozzle into their original positions.

Technical Data

Model		TEMPRA 12	TEMPRA 15	TEMPRA 20	TEMPRA 22	TEMPRA 24	TEMPRA 29	TEMPRA 36
Phase		1	1	1	1	1	1	1
Voltage	V	208 240	208 240	208 240	208 240 208 240	208 240	208 240	208 240
Wattage	kW	9 12	11.4 14.4	15.6 19.2	16.8 21.6	19 24	21.6 28.8	27 36
Max. amp. load	A	44 50	57 60	75 80	81 90	92 100	105 120	130 150
Minimum required circuit breaker size	A	50 60	60 70	80 90	90 100	100 110	120 140	150 160
Required wire size AWG COPPER		6 6	6 6	6 6	6 6	6 6	6 6	6 6
Maximum flow to achieve 90°F	GPM/l/min	0.26/1.0	0.39/1.5	0.58/2.2	0.67/2.5	0.78/3.0	0.87/3.3	0.97/3.7
Nominal inlet volume	GAL/l	0.13/0.5	0.26/1.0	0.26/1.0	0.39/1.5	0.26/1.0	0.39/1.5	0.39/1.5
Working pressure	PSI/bar	Min. 150/10						
Tested to pressure	PSI/bar	300/20						
Weight	lbs/kg	14.3/6.5	17.6/8.0	17.6/8.0	24.2/11.0	17.6/8.0	24.2/11.0	24.2/11.0
Dimensions height depth width	inch (mm)	14½"/372 14½"/372	14½"/372 14½"/372	14½"/372 14½"/372	21½"/546 14½"/372 14½"/372	14½"/372 14½"/372	21½"/546 14½"/372	21½"/546 14½"/372

Water connections: ½"

- Suitable for supply with water up to 120°F/49°C.
- Inlet/outlet water temperature considered a non-component load.
- Conductors should be sized to maintain a voltage drop of less than 3% under load.



(E) STANDARD SHOWN FOR COMPLIANCE ONLY

1" LETTERING TO READ: "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AWAY AT OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED BY TELEPHONING THE POLICE DEPT. (949) 644-3681

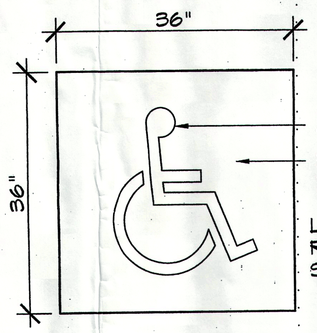
1 1/2" STL. PIPE, TYP.

FIN. GRADE

6" DIA PIER FTG.

7 / A4 NO PARKING SIGN 1 PER LOT
SCALE: N.T.S.

(E) STANDARD SHOWN FOR COMPLIANCE ONLY



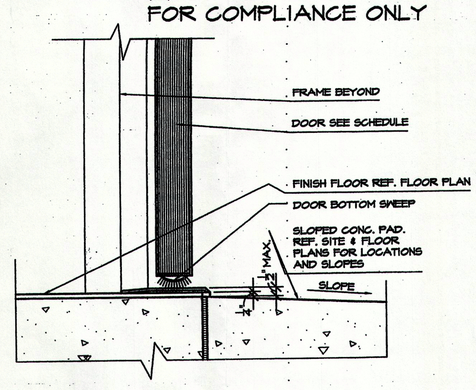
WHITE PAINT

BLUE PAINT BACKGROUND

LOCATE AT REAR OF STALL PER PLAN

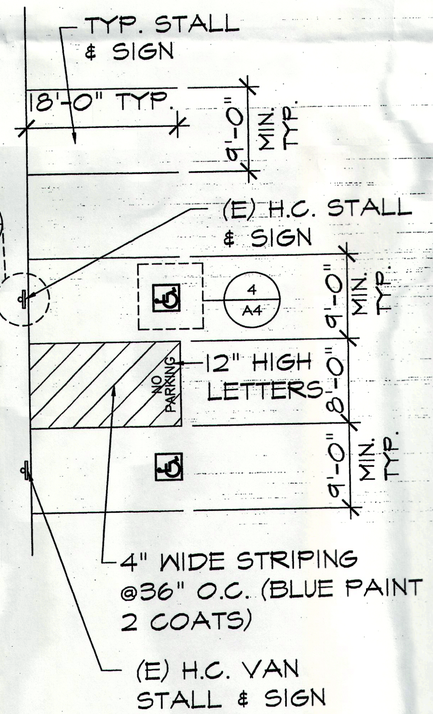
4 / A4 H.C. SYMBOL DETAIL
SCALE: 3" = 1'-0"

(E) STANDARD SHOWN FOR COMPLIANCE ONLY



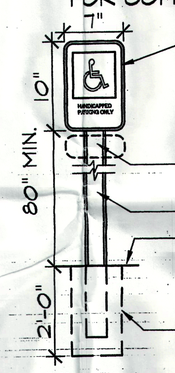
1 / A4 EXTERIOR THRESHOLD DETAIL
SCALE: 3" = 1'-0"

(E) STANDARD SHOWN FOR COMPLIANCE ONLY



8 / A4 TYPICAL PARKING STALL DIMENSIONS & NOTES
SCALE: N.T.S.

(E) STANDARD SHOWN FOR COMPLIANCE ONLY



(MIN. 70" SQ.IN.) @ EA. H.C. ACCESSIBLE PARKING SPACE

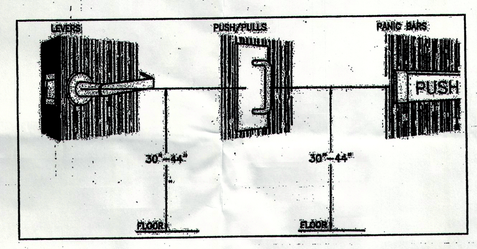
VAN ACCESSIBLE

1 1/2" STL. PIPE, TYP.

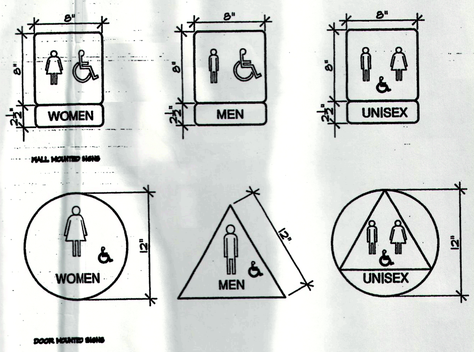
FIN. GRADE

6" DIA PIER FTG.

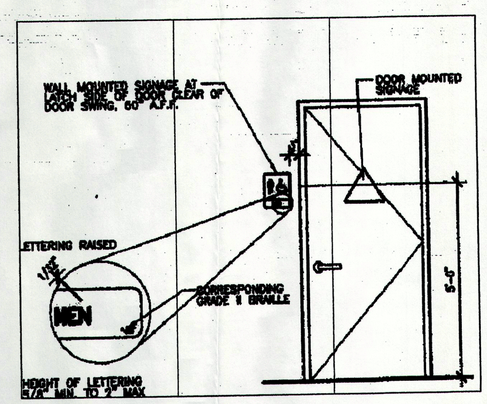
5 / A4 H.C. SIGN (LOT)
SCALE: N.T.S.



2 / A4 ADA DOOR HARDWARE MOUNTING HEIGHTS
SCALE: N.T.S.



6 / A4 SANITARY FACILITY IDENTIFICATION SYMBOLS
SCALE: N.T.S.



3 / A4 SIGN PLACEMENT DETAIL
SCALE: N.T.S.

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PROJECT: CITY OF RANCHO PALOS VERDES
COMMUNITY DEVELOPMENT DEPARTMENT RESTROOM ADA COMPLIANCE
30940 HAWTHORNE BLVD.
RANCHO PALOS VERDES, CA 90275

SHEET TITLE: DETAILS

PROJECT NO. 20080019.00
SCALE 1/2" = 1'-0"
DATE 9/29/10
DESIGNED BY DAVID HOPKINS
DRAWN BY STEVE HOPKINS
CHECKED BY DAVID HOPKINS
SHEET NO. A4
4 OF 4 SHTS

REVISIONS: NO. | BY: | DATE:

REGISTERED PROFESSIONAL ENGINEER JOHN M. CRUIKSHANK Exp. 6-30-09 No. 50192 STATE OF CALIFORNIA

PROJECT NO. 20080019.00 | SHEET SIZE 24X36 | LEVEL STMB ON
$PLTDRVSS $FILES $TIMES $DATES