ELECTRICAL SYMBOLS

- FIXTURE IDENTIFICATION (REFER TO LIGHTING FIXTURE SCHEDULE)
- NUMBER OF FIXTURES IN THIS GROUP
- CEILING–MOUNTED FIXTURE
- GFCI PROTECTED DUPLEX CONVENIENCE RECEPTACLE MOUNTED @ 42" AFF
- FAN
- GROUND ROD
- GROUND
- SAFETY SWITCH
  - –F INDICATES FUSED DISCONNECT
  - –B INDICATES CIRCUIT BREAKER
- SECTION OR DETAIL DESIGNATION (LETTER DESIGNATES SECTION, NUMBER DESIGNATES DETAIL)
- SHEET WHERE SECTION OR DETAIL IS TAKEN OR SHOWN
- CONDUIT EXPOSED
- CONDUIT EMBEDDED OR BURIED
- BOUNDARY LINE
- HOMERUN – DESTINATION & CIRCUIT INDICATED
  - –LEADER SHOWS CONDUIT & CONDUCTOR SIZE
  - –2 REPRESENTS THE NUMBER OF PARALLEL FEEDERS

  A–1

  1 1/4"C–3#2+#6G
  2[3"C–3#350KCMIL]
- FUSE
- SAFETY SWITCH (DISCONNECT SWITCH)
- CIRCUIT BREAKER & SIZE, SINGLE–POLE UNLESS NOTED OTHERWISE
  /2 = 2 POLE
  /3 = 3 POLE

  50/2
- CROSSHATCHES ON CONDUIT RUNS INDICATE NUMBER OF AWG #12 WIRES
- CROSSHATCHES WITH BARS INDICATE NUMBER OF AWG #10 WIRES
- SUBSCRIPT "G" INDICATES GREEN GROUND WIRE
- CONDUIT, STUBBED & CAPPED
- CONDUIT, STUBBED UP & CAPPED
- CONDUIT, UP
- CONDUIT, DOWN
- WATT–HOUR METER
- CURRENT TRANSFORMER
- SURGE CAPACITOR
- TRANSFORMER

ABBREVIATIONS

A	AMP(S)
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPACITY
AL	ALUMINUM
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CU	COPPER
EMT	ELECTRICAL METALLIC TUBING
EXST,(E)	EXISTING
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER (PERSONNEL)
GFP	GROUND FAULT PROTECTION (EQUIPMENT)
GRS	GALVANIZED RIGID STEEL CONDUIT
HP	HORSEPOWER
HZ	HERTZ
IMC	INTERMEDIATE METAL CONDUIT
KCMIL	THOUSAND CIRCULAR MILS
KW	KILOWATT
MAX	MAXIMUM
MIN	MINIMUM
N	NEUTRAL
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
OL	OVERLOAD
PB	PULLBOX
PNL	PANEL, PANELBOARD
PVC	POLYVINYL CHLORIDE CONDUIT
RECEPT	RECEPTACLE
SP	SPARE
SWGR	SWITCHGEAR
TYP	TYPICAL
V	VOLT(S)
WP	WEATHERPROOF
XFMR	TRANSFORMER

SCOPE OF WORK

THIS SET OF DRAWINGS COVERS POWER DISTRIBUTION AND LIGHTING FOR THE CONSTRUCTION OF TWO ADA COMPLIANT RESTROOMS ON THE GROUND FLOOR, AND SIZING A NEW SERVICE ENTRANCE, FOR EXISTING EGYPTIAN THEATER LOCATED IN COOS BAY, OREGON. THE PROJECT INCLUDES THE FOLLOWING:

- AT THE TIME OF DESIGN COMPLETION, UTILITY COORDINATION REMAINS, AND THIS COORDINATION SHALL BE PERFORMED BY THE CONTRACTOR. ALL SERVICE RELATED ITEMS SHOWN ARE MINIMUM COORDINATE WITH UTILITY FOR ADDITIONAL REQUIREMENTS.
- NEW SERVICE ENTRANCE.
- NEW DISTRIBUTION PANEL AND FEEDER (PANEL SB REPLACEMENT).
- BID ALTERNATE FOR NEW DISTRIBUTION PANEL AND FEEDER (PANEL P).
- POWER DISTRIBUTION AND LIGHTING FOR THE RESTROOMS.
- DEMOLITION OF EXISTING SERVICE ENTRANCE.
- TRANSFORMER VAULT.
- SERVICE LATERAL CONDUIT.
- UTILITY PRIMARY CONDUIT.

1

GENERAL NOTES:

1. SEE ELECTRICAL SPECIFICATIONS.
2. UNLESS NOTED OTHERWISE, MOUNT RECEPTACLES AT 18 INCHES AND SWITCHES AT 48 INCHES ABOVE THE FLOOR. CONTRACTOR SHALL COORDINATE ALL RECEPTACLE LOCATIONS WITH ASSOCIATED CABINETRY AND WORK PLANE HEIGHTS. RECEPTACLES SHALL BE SPECIFICATION GRADE.
3. RECEPTACLES AND JUNCTION BOXES FOR DEDICATED USES ARE SHOWN IN APPROXIMATE LOCATIONS. COORDINATE WITH EQUIPMENT SUPPLIERS AND ARCHITECT FOR EXACT LOCATIONS.
4. WIRING FOR ELECTRICAL DEVICES IS NOT SHOWN ON THESE PLANS. INSTEAD, ELECTRICAL DEVICES IN EACH ROOM ARE TAGGED WITH THE SOURCE PANELBOARD AND CIRCUIT NUMBER THAT FEEDS THE DEVICE IN THAT ROOM.
5. ELECTRICAL BOXES LOCATED IN 1HR FIRE RATED WALLS SHALL NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL AREA.
6. THE CONTRACTOR SHALL VERIFY ALL WORK CONDITIONS PRIOR TO COMMENCING WORK, INCLUDING, BUT NOT LIMITED TO: DIMENSIONS, EQUIPMENT, STRUCTURAL ELEMENTS & MATERIALS INDICATED AS EXISTING. CONTRACTOR SHALL ALSO COORDINATE AMONG DISCIPLINES AND EQUIPMENT SUPPLIERS FOR INSTALLATION OF ALL MATERIALS & EQUIPMENT, ETC.
7. ITEMS SHOWN BOLD ON THESE DRAWINGS REPRESENT WORK THAT IS PART OF THIS CONTRACT. BOLD TEXT ASSOCIATED WITH EQUIPMENT SHOWN AS THIN DESCRIBES WORK TO BE PERFORMED ON THE EQUIPMENT AS PART OF THE CONTRACT.

DRAWING LIST

1

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)222-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4188
563 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

NO.	DATE	BY
1	UTILITY COORDINATION	EP 6/24/13

CITY OF COOS BAY

EGYPTIAN THEATRE RESTROOMS

ZBINDEN • CARTER • SOUDERS ENGINEERING, INC.
550 SW 6th Street - Suite C, Grants Pass, OR 97526
ph/fax (541) 479-3870

PROJECT NO: 1325

DRAWN: NP 1325-E–1.dwg

CHECKED: D. McHANEY

DATE: 6–17–2013

REGISTERED PROFESSIONAL ENGINEER
17,004
D. McHaney
OREGON
JAN. 18, 1994
DOUGLAS C. McHANEY

EXPIRATION DATE: 12/31/14

LEGEND AND GENERAL NOTES

E–1

ELECTRICAL SPECIFICATIONS

PART 1 – GENERAL

RELATED WORK

A. All of the work executed under this section shall meet the requirements of related disciplines as if fully stated herein.

B. See all contract documents for other requirements including as applicable General Conditions, Bidding and Construction Schedule, Safety Requirements, Mobilization Requirements, and other Contract Terms and Conditions.

C. All Contract Documents, including but not limited to Plans, Specifications, Instructions to Bidders, and other published documents are a part of the Contract.

FIRE PROTECTION

A. See Structural documents for fire-stopping requirements, and comply with State Fire Marshal requirements for approved and listed fire-stopping systems. See Structural Drawings for fire-stop finish details. At a minimum, penetration of fire rated walls, floor-ceilings, and roof-ceilings shall meet UBC Sections 709 and 710.

CODES, PERMITS, AND REGULATIONS

A. Perform all work, furnish and install all materials and equipment in full accordance with the latest applicable rules, regulations, requirements, and specifications of the following:

1. Local laws and ordinances
2. State and Federal laws
3. National Electrical Code (NEC)
4. Oregon Electrical Specialty Code (OESC)
5. Underwriters Laboratories (UL)
6. Local Utility Company

B. Wherever the requirements of the specifications or drawings are in conflict with the items above, the more stringent requirement shall prevail.

C. Obtain all permits and pay all fees required by any governmental agency having jurisdiction of the work. Arrange all inspections required by these agencies. On completion of the work, furnish satisfactory evidence to the Owner that the work is acceptable to the regulatory authorities having jurisdiction.

SUBMITTALS

A. Before any material is fabricated or shipped, furnish to the Engineer full details, shop drawings, dimensions, catalog cuts, schematic (elementary) diagrams, wiring diagrams, and other descriptive matter as required to fully describe the products specified under this Section.

B. For service entrance equipment, meter base, and other related materials, obtain written approval of submittals from the serving utility before submitting to the Engineer. Submittals shall include manufacturer UL listed series rated information sheets. All equipment shall be separately labeled per requirements of the NEC.

WARRANTY

A. The work and materials covered in this Section shall be guaranteed for a period of 1 year from the date of acceptance thereof against defective materials, design, and workmanship.

PART 2 – PRODUCTS

GENERAL

A. Unless otherwise indicated, provide all first-quality, new materials and equipment, free from any defects, in first class condition, with ratings as shown on these drawings, and suitable for the space provided.

B. Like items of equipment provided hereunder shall be the end products of one manufacturer in order to achieve standardization for appearance, operation, maintenance, spare parts, and manufacturer's service.

C. Furnish labor, materials, and equipment as necessary to deliver complete and operable systems.

MATERIALS

A. Provide a meter base(s), main service panel(s), main breaker(s) with copper bussing, and other materials and work that will provide service to the facility. Short circuit rating of equipment shown on the drawings may be met using UL listed series-rated components. Materials and work shall be UL listed and shall meet the requirements of EUSERC and the utility company.

B. Lighting and power distribution panel boards: Provide circuit breaker panel boards meeting standards established by UL, NEMA PB1, and the NEC. Where used as service entrance equipment, provide panels having UL approval for that use. Provide panels rated for the available short circuit current of the electric system. Panelboards shall include bolt on breakers.

C. Conductor sizes indicated are based on copper conductors. Do not provide conductors smaller than those indicated. Conductors shall be stranded THWN (wet) or THHN (dry), except solid conductors may be used for 15-, 20-, and 30-amp branch circuits.

PART 3 – EXECUTION

GENERAL

A. Work shall be performed in a workman like manner by craftsmen skilled in the particular trade. Work shall be performed in accordance with the drawings, specifications, manufacturer's recommendations, and the best practice of the trade. Completed work shall present a neat and finished appearance.

B. Field verify dimensions, equipment, structural elements, and materials indicated as existing.

INSTALLATION

A. Locations of electrical equipment, and other electrical system components shown on drawings are approximate unless dimensioned. Check for and resolve conflicts with openings, structural members, and equipment having fixed locations.

B. Do not cut or notch any structural member or building surface without specific approval of the Engineer. Carefully carry out any cutting, channeling, chasing, or drilling of floors, walls, partitions, ceilings, paving, or other surfaces required for the installation, support, or anchorage of conduit, raceways, or other electrical materials and equipment. Following such work, restore surfaces neatly to new condition using skilled craftsmen of the trades involved, at no additional cost to the Owner. Any penetrations to fire rated materials shall be restored to equal rating as required by the state Fire Marshall.

C. Follow manufacturer's installation instructions explicitly, unless otherwise indicated.

D. Thoroughly document all electric circuits. Provide a typewritten circuit directory on all branch panels.

E. Provide engraved nameplates for all pieces of equipment. Plates shall be screw on 3 ply, black face, white 1/4-inch-high Gothic lettering. When equipment or instrument is not suitable for a screw on nameplate, use a 16 gauge, 304 stainless steel tag, 1/4" high lettering affixed to equipment with stainless steel wire.

F. Coordinate equipment seismic bracing requirements with the local authorities and manufacturer of equipment.

G. Completed work shall present a neat and finished appearance. Furnish and install incidental items not specifically shown or required by good practice to provide a complete electrical system.

RACEWAYS

A. Install conductors in raceways.

B. Minimum size conduit shall be 1/2 inch, except 3/4 inch for underground and embedded conduit. Use the following types of conduit for the locations listed unless indicated otherwise:

1. Use galvanized rigid steel conduit (GRS) outdoors and in wet locations.
2. Use electrical metallic tubing (EMT) in concealed locations and exposed, interior, dry locations, and where dropping from above the electrical equipment more than 6 feet above the floor.
3. Use rigid polyvinyl chloride (PVC) conduit for buried and embedded locations, except use galvanized rigid steel (GRS) at least 5 feet on both sides of penetrations through footings and outside walls, under equipment mounting pads, where embedded in exterior light pole foundations, and where conduit changes from underground to exposed or from embedded to exposed.
4. Use liquid-tight flexible conduit for final connection to mechanical equipment.

C. All empty conduits shall be provided with a flat pull tape (mule tape or equal).

D. For steel conduit installed underground, wrap the entire length with tape using 1/2-inch overlap. Use PVC-based pressure-sensitive all-weather tape, 20-mil minimum thickness, as recommended by the manufacturer for corrosion protection of underground conduits. Tape shall be Scotchwrap 51 or equal.

GROUNDING

A. Complete electrical system shall be grounded in accordance with the presently adopted edition of the NEC Article #250, and as shown on the drawings.

B. Ground the neutral of all wiring systems in strict accordance with the NEC, State, and other applicable laws and regulations.

C. Ground all exposed non-current-carrying metallic parts of electrical equipment and raceway systems.

D. Ground metal sheathing and any exposed metal vertical structural elements of buildings. Bond any metal equipment platforms, which support electrical equipment to that equipment.

E. At the request of, and in the presence of the authorized inspector, the contractor shall provide system resistance readings.

STARTUP AND TESTING

A. After the electrical system installation is completed, conduct an operation test for approval. Demonstrate to the Owner that the equipment operates in accordance with the requirements of these specifications and drawings.

PROJECT CLOSEOUT

A. At the completion of the project, the Contractor shall:

1. Submit operation and maintenance manuals, with tab dividers separating specific systems or items of equipment. Equipment warranties shall be included.
2. Submit a list of recommended spare parts.
3. Submit marked up "As-Built" drawings with final installed arrangements, including equipment model numbers and performance data.

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NO.	REVISIONS	BY	DATE

CITY OF COOS BAY
EGYPTIAN THEATRE RESTROOMS

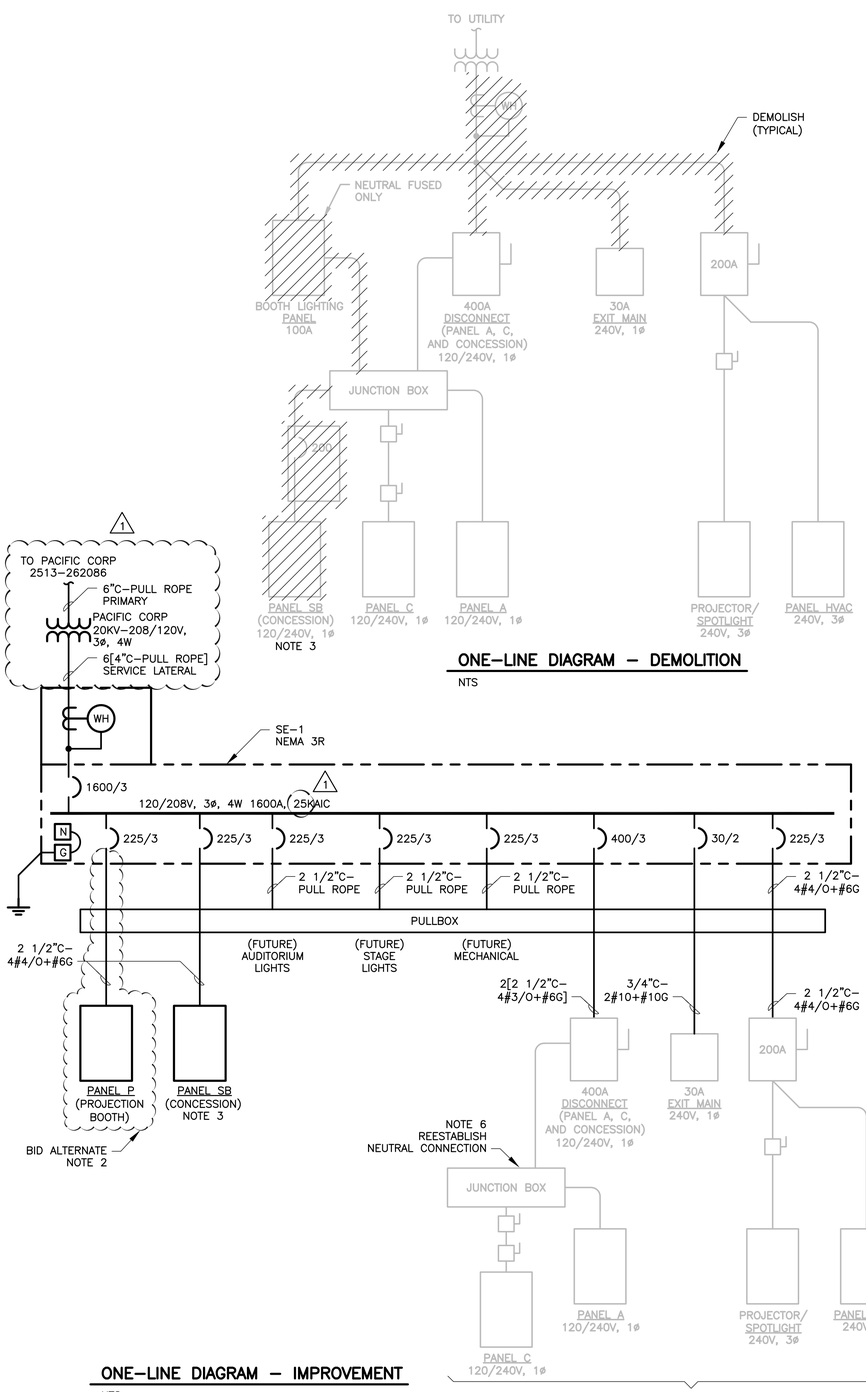
ZBINDEN • CARTER • SOUDERS
ENGINEERING

PROJECT NO: 1325
DRAWN: NP 1325-E-3.dwg
CHECKED: D. McHANEY
DATE: 5-31-2013

REGISTERED PROFESSIONAL ENGINEER
17,004
OREGON
JAN. 18, 1994
DOUGLAS C. McHANEY
EXPIRATION DATE: 12/31/14

SPECIFICATIONS

E-2



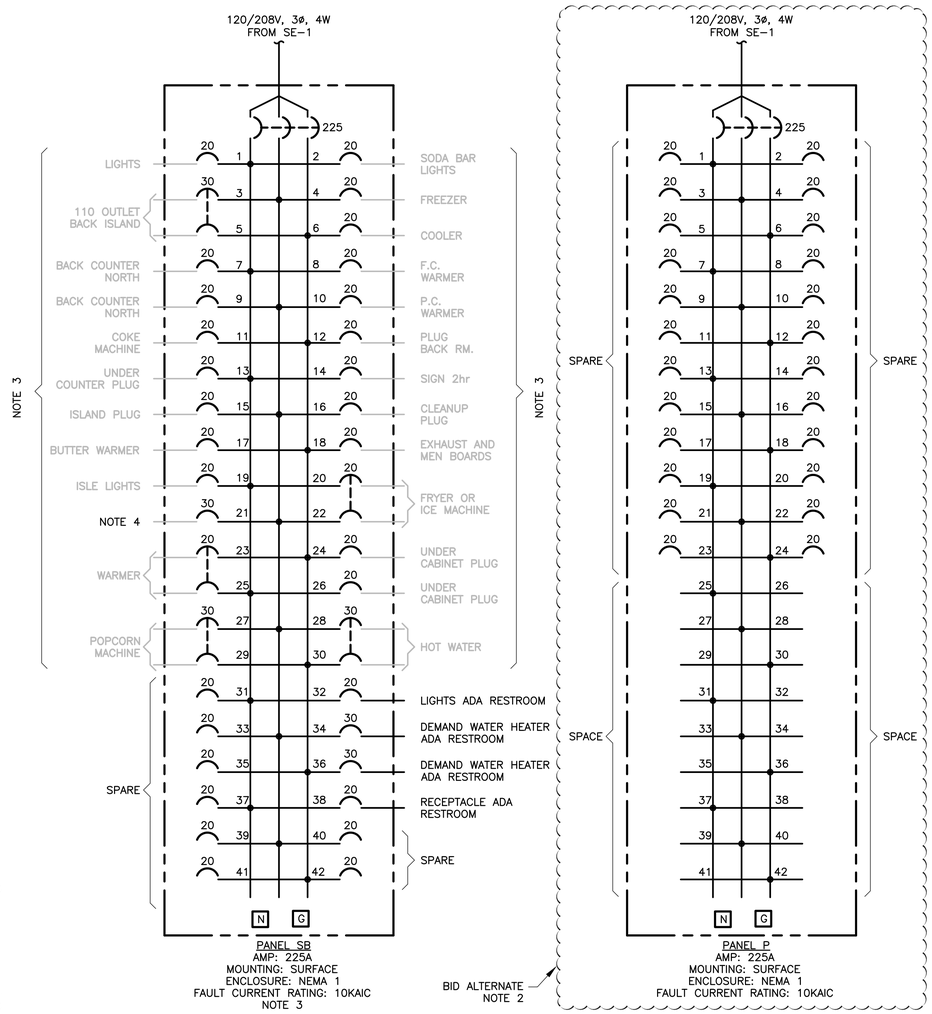
ONE-LINE DIAGRAM - IMPROVEMENT

NTS

REFEED EXISTING POWER DISTRIBUTION EQUIPMENT WHICH WILL BE DEMOLISHED UNDER LATER PHASES OF CONSTRUCTION. SE-1 INCLUDES PROVISIONS TO SERVE REPLACEMENT SYSTEMS.

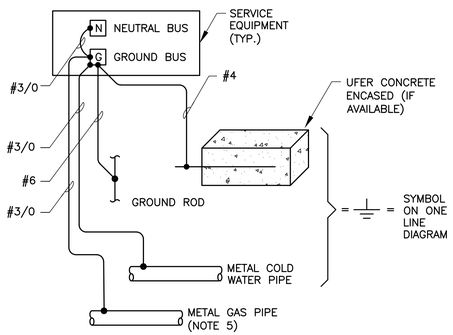
ONE-LINE DIAGRAM - DEMOLITION

NTS



LOAD SUMMARY			PANEL LOADS
LOADS (17,000 SF)			
LIGHTING (CONTINUOUS) @	2 VA / SF	C	34000 VA
RECEPTACLES,	1 VA / SF		17000 VA
MARQUEE (FUTURE)		C	21600 VA
SOUND EQUIPMENT (FUTURE)			36000 VA
THEATRICAL LIGHTING (FUTURE)			96000 VA
SNACK BAR (FUTURE)			51000 VA
PROJECTOR			12600 VA
SPOT LIGHTS (TWO)			3400 VA
TABLE REWINDER			1200 VA
HVAC (FUTURE)			167000 VA
WATER HEATER			12000 VA
TOTAL CONNECTED LOAD			**451800 VA**
TOTAL DEMAND LOAD (CONTINUOUS LOADS @ 125%)			**465700 A**
DEMAND LOAD			**1294 A**
SERVICE EQUIPMENT BUS RATING			**1600 A**

C = CONTINUOUS



GROUNDING ELECTRODE WIRING DIAGRAM

NOT TO SCALE

NOTES:

1. SEE LEGEND AND GENERAL NOTES ON SHEET E-1.
2. PROVIDE TWO BID ALTERNATES LISTED BELOW:
   A. INSTALL PANEL P CONDUIT WITH PULL ROPE FROM SE-1 TO PANEL P LOCATION.
   B. INSTALL PANEL P CONDUIT, FEEDER AND PANEL P.
3. EXISTING PANEL SB SHALL BE DEMOLISHED. INSTALL A NEW PANEL SB PANELBOARD. FIELD IDENTIFY ALL EXISTING BRANCH CIRCUITS, INSTALL A JUNCTION BOX, INTERCEPT AND EXTEND ALL EXISTING BRANCH CIRCUITS TO PANEL SB.
4. FIELD IDENTIFY EXISTING BRANCH CIRCUITS, RE-FEED FROM PANEL SB AND UPDATE PANEL SCHEDULE.
5. METAL GAS PIPING SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM BUT IS NOT PART OF THE GROUNDING ELECTRODE SYSTEM, PER NEC 250.52 (B) AND 250.104(B).
6. RE-ESTABLISH ALL NEUTRAL CONNECTIONS IN THE NOTED JUNCTION BOXES.

1

7. PACIFIC CORP HAS IDENTIFIED THE FAULT CURRENT AT SE-1 AS 23,048 AMPS.

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1	UTILITY COORDINATION	6/24/13 EP

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PROJECT NO: 1325
DRAWN: NP 1325-E-3.dwg
CHECKED: D. McHANEY
DATE: 6-17-2013

REGISTERED PROFESSIONAL ENGINEER
17,004
D. McHaney
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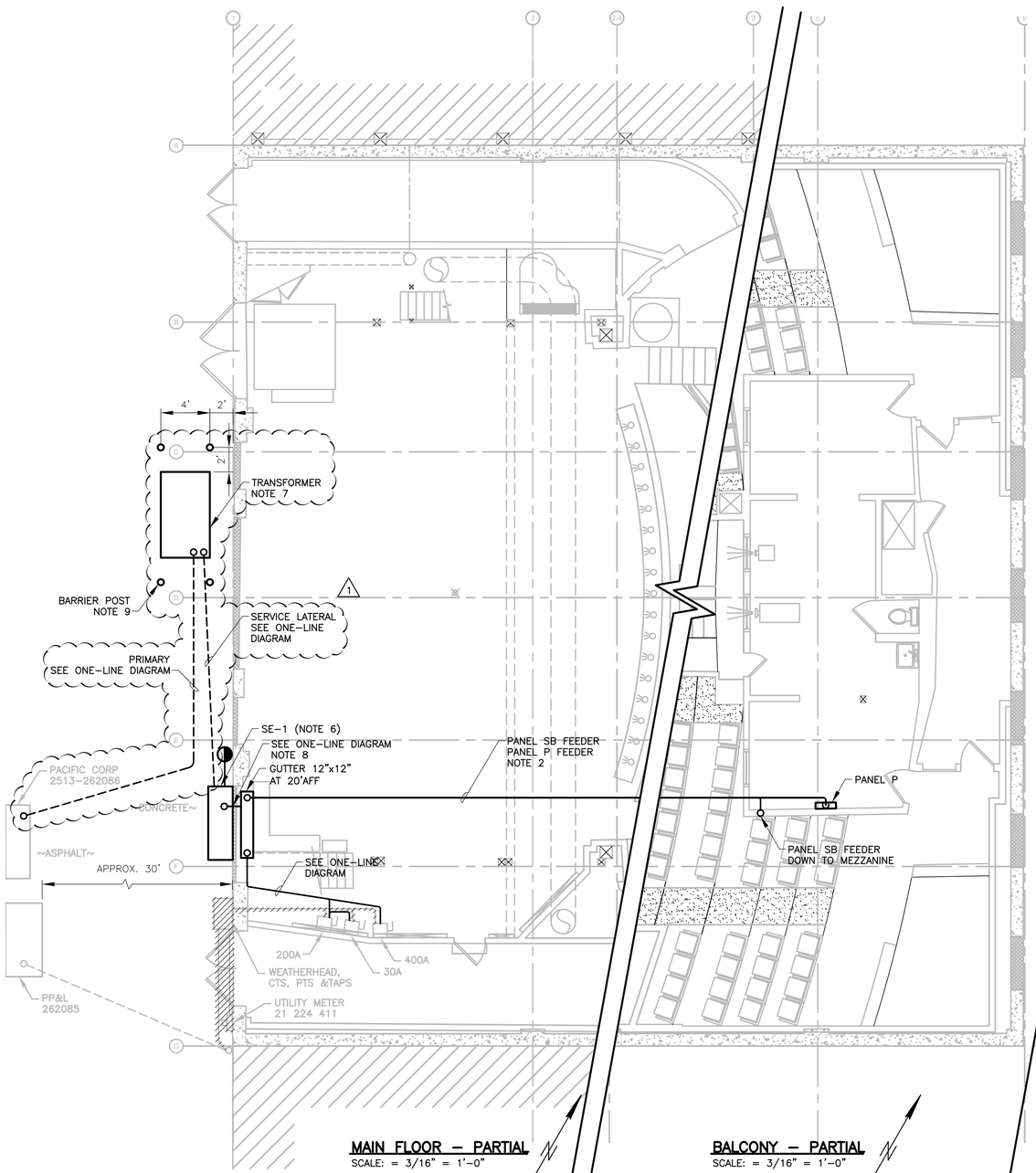
JAN. 18, 1994
DOUGLAS C. McHANEY
EXPIRATION DATE: 12/31/14

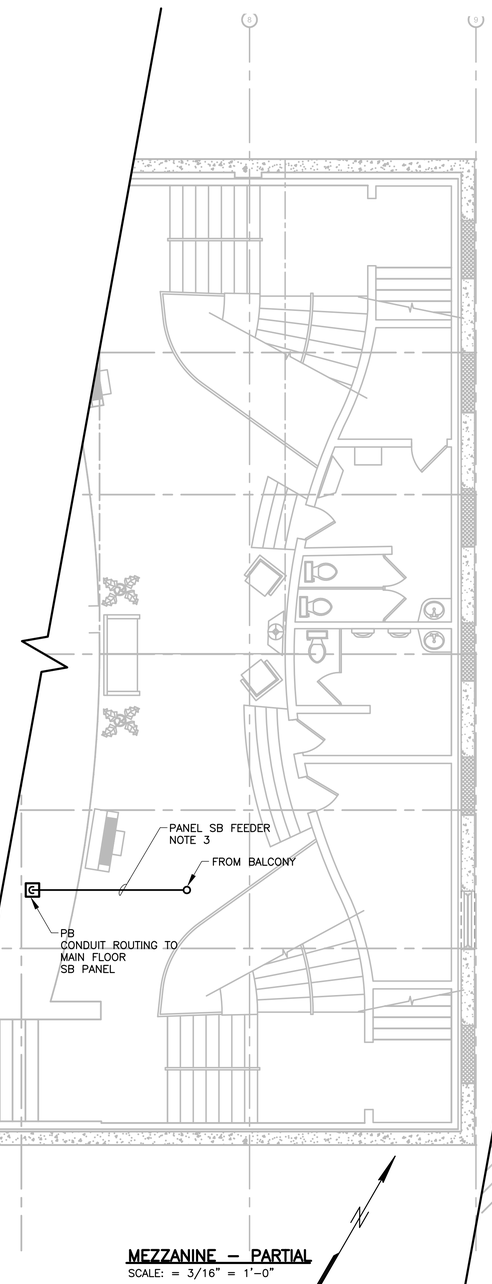
ONE-LINE DIAGRAM

E-3



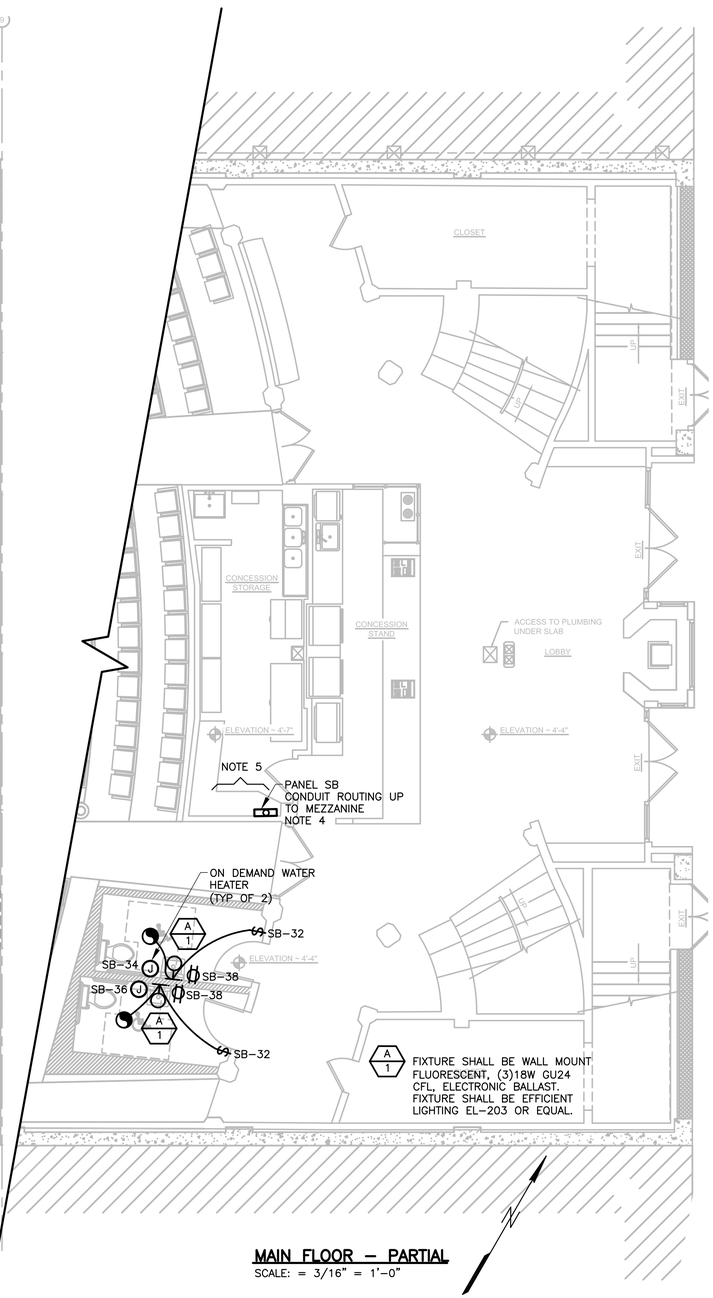
MAIN FLOOR – PARTIAL

SCALE: = 3/16" = 1'-0"



BALCONY – PARTIAL

SCALE: = 3/16" = 1'-0"



MEZZANINE – PARTIAL

SCALE: = 3/16" = 1'-0"

MAIN FLOOR – PARTIAL

SCALE: = 3/16" = 1'-0"

NOTES:

1. SEE LEGEND AND GENERAL NOTES ON SHEET E-1.
2. PANEL SB & P CONDUITS SHALL BE ROUTED IN ATTIC ON CONDUIT TRAPEZE.
3. ROUTE NOTED CONDUIT IN MEZZANINE FRAMING AREA.
4. REMOVE EXISTING PANEL SB AND REPLACE WITH NEW PANEL "SB".
5. REMOVE CABINETRY BELOW PANEL "SB".
6. PROVIDE A HOUSE KEEPING PAD AT SE-1. PAD SHALL BE 4" THICK, WITH A #8 REBAR GRID, 12" MIN ON CENTER, 2 STICKS MINIMUM EACH DIRECTION.
7. COORDINATE WITH THE UTILITY AND INSTALL SE-1, TRANSFORMER VAULT, PRIMARY CONDUIT, AND SERVICE LATERAL CONDUIT PER UTILITY REQUIREMENTS.
8. COORDINATE CORE DRILLING REQUIREMENTS FOR CONDUITS WITH STRUCTURAL ENGINEER.
9. BARRIER POST SHALL BE SIX INCH STEEL POST, GALVANIZED, CONCRETE FILLED. POST SHALL HAVE A DOMED TOP, FREE FROM BURRS AND SHARP EDGES. EACH POST SHALL HAVE A 12 INCH DIAMETER BY 24 INCH DEEP CONCRETE FOOTING.

1 UTILITY COORDINATION — EP — 6/25/13

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CITY OF COOS BAY

EGYPTIAN THEATRE RESTROOMS

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PROJECT NO: 1325

DRAWN: NP 1325-E-3.dwg

CHECKED: D. McHANEY

DATE: 6-25-2013

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JAN. 18, 1994
DOUGLAS C. McHANEY

EXPIRATION DATE: 12/31/14

BUILDING POWER PLANS

E-4

ArcSine engineering
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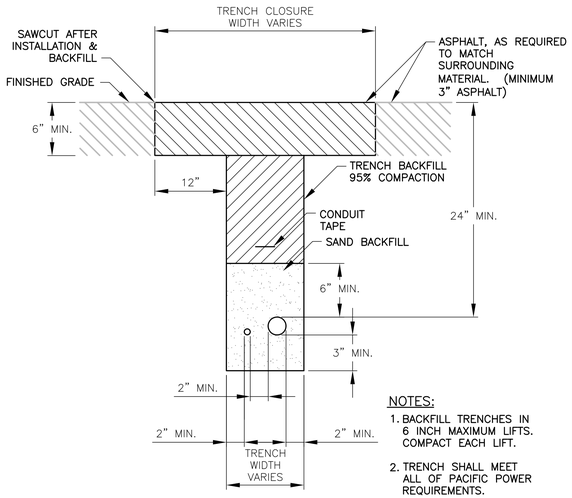
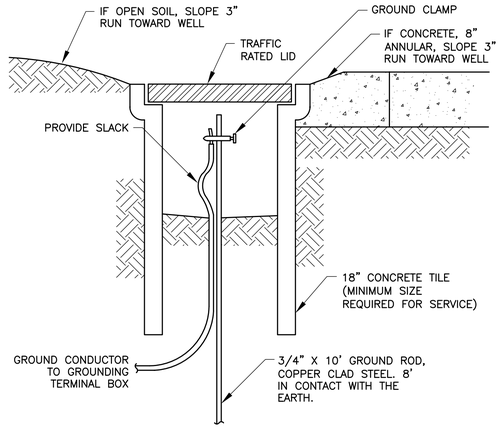


NOTES:

1. BACKFILL TRENCHES IN 6 INCH MAXIMUM LIFTS. COMPACT EACH LIFT.
2. TRENCH SHALL MEET ALL OF PACIFIC POWER REQUIREMENTS.

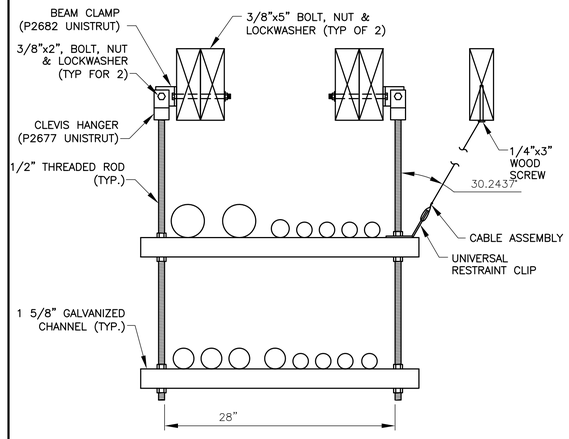
CONDUIT TRENCH THROUGH PAVED AREA
NOT TO SCALE



NOTES:

1. GROUND ROD MAY BE INSTALLED IN THE EQUIPMENT PAD UNDER THE SERVICE ENTRANCE SECTION OF THE ENCLOSURE (PROVIDE AT LEAST 3" ABOVE THE SLAB). IF SO INSTALLED, TILE, COVER & ANNULAR PAD MAY BE ELIMINATED.

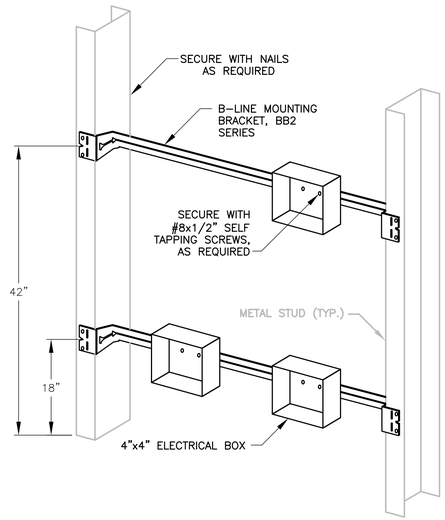
GROUND ROD
NOT TO SCALE



NOTES:

1. MAXIMUM TRAPEZE SPACING SHALL BE 10 FEET. INCREASE SIZE AND NUMBER OF SUPPORTS AS REQUIRED TO MEET SEISMIC REQUIREMENTS. PROVIDE CONDUIT STRAPS AS REQUIRED.
2. TRUSS SYSTEM IS EXISTING.

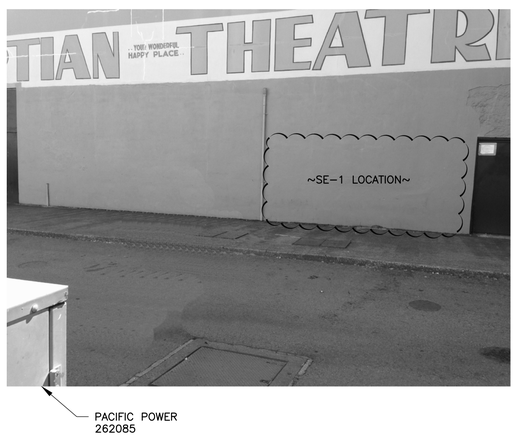
CONDUIT TRAPEZE SUPPORT
NOT TO SCALE



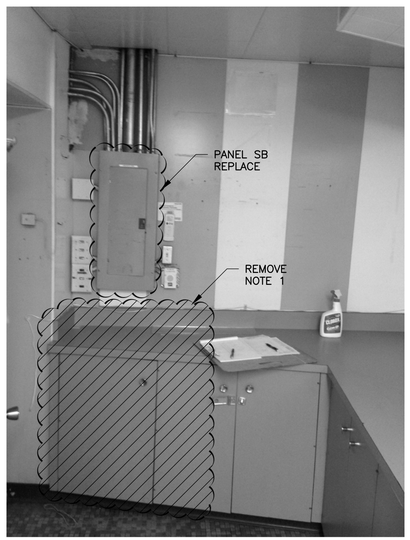
BOX MOUNTING BRACKETS – WOODEN FRAMING
NOT TO SCALE

EXISTING SERVICE – DEMOLITION
NOT TO SCALE

EXISTING SERVICE – DEMOLITION
NOT TO SCALE



SE-1 LOCATION
NOT TO SCALE



PANEL SB
NOT TO SCALE

NOTES:

1. COORDINATE CABINETRY MODIFICATIONS WITH ZCS AND THE OWNER.

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CITY OF COOS BAY

EGYPTIAN THEATRE RESTROOMS

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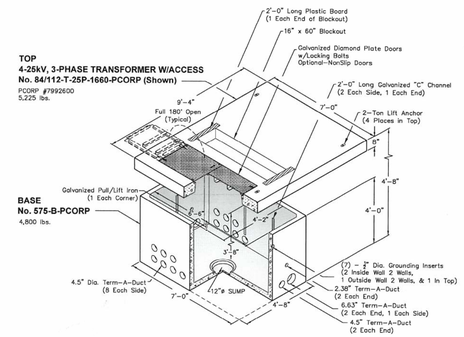
EXPIRATION DATE: 12/31/14

DETAILS - 1

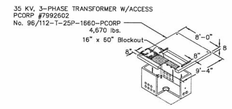
E-5

575-TRANS-PCORP

5 x 7, 4-25 kV, 3-Phase 75-750 kVA Transformer Padvault With Access, Stock Item 7992600
5 x 7, 35 kV, 3-Phase 75-750 kVA Transformer Padvault With Access, Stock Item 7992602



OPTIONAL TOP

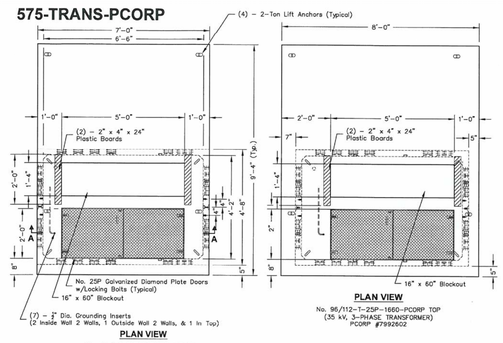


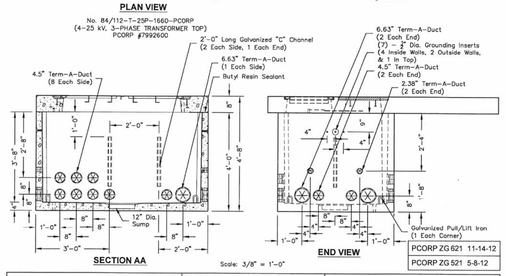
Scale: 1/4" = 1'-0"

PCORP ZG 621	11-14-12
PCORP ZG 521	5-8-12

Oldcastle Precast®	575-TRANS-PCORP	575-TRANS-PCORP 5 x 7 PACIFICORP
PO Box 323, Wilsonville, Oregon 97070-0323 Tel: (503) 682-2844 Fax: (503) 682-2657	File Name: 020UEE575TRANS1 Issue Date: Revised 11-16-12 oldcastleprecast.com/wilsonville	

575-TRANS-PCORP





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

PCORP ZG 621	11-14-12
PCORP ZG 521	5-8-12

Oldcastle Precast®	575-TRANS-PCORP	575-TRANS-PCORP 5 x 7 PACIFICORP
PO Box 323, Wilsonville, Oregon 97070-0323 Tel: (503) 682-2844 Fax: (503) 682-2657	File Name: 020UEE575TRANS2 Issue Date: Revised 11-16-12 oldcastleprecast.com/wilsonville	

TRANSFORMER VAULT

NOT TO SCALE

ENTIRE SHEET 1

NOTES:

1. SEE LEGEND AND GENERAL NOTES ON SHEET E-1.
2. COORDINATE WITH PACIFIC CORP REGARDING TOP REQUIREMENTS FOR THE VAULT WHICH SHALL BE INSTALLED FLUSH WITH THE EXISTING 11 FOOT WIDE SIDEWALK. FIELD COORDINATE VAULT PLACEMENT TO MAINTAIN FIVE FEET CLEARANCE IN FRONT OF THE TRANSFORMER. 1

ArcSine engineering
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1	UTILITY COORDINATION	EP 6/24/13

CITY OF COOS BAY

EGYPTIAN THEATRE RESTROOMS

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550 SW 6th Street - Suite C, Grants Pass, OR 97526
ph/fax (541) 479-3883

PROJECT NO: 1325

DRAWN: NP 1325-E-6.dwg

CHECKED: D. McHANEY

DATE: 6-25-2013

REGISTERED PROFESSIONAL ENGINEER
17,004
OREGON
JAN. 18, 1994
DOUGLAS C. McHANEY
EXPIRATION DATE: 12/31/14

DETAILS - 2

E-6