

Date Signed

Laundromat Expansion for
PARADISE LAUNDRY, INC
105 Ascot Dr. Roseville, CA 95661

REVISIONS

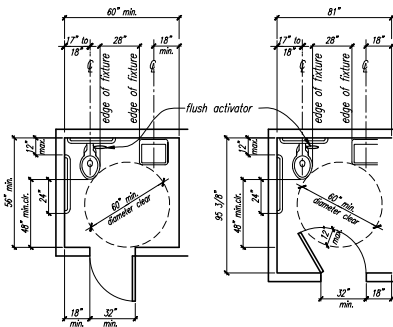
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ACCESSIBILITY DETAILS

DATE: 1-23-20
DRAWN BY: SRA
CHECKED BY: SRA
SCALE: 20-23

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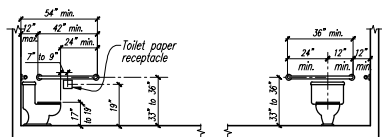
City of Roseville Approval



SINGLE OCCUPANT TOILET

PLAN OF TOILET STALL

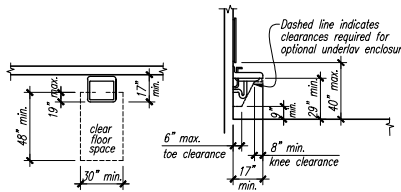
TYPICAL HANDICAP TOILET STALL REQUIREMENTS



SIDE WALL VIEW

BACK WALL VIEW

SIDE VIEW OF WATER CLOSETS
CLEARANCES AROUND WATER CLOSET FIXTURES

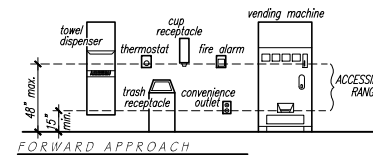


PLAN VIEW

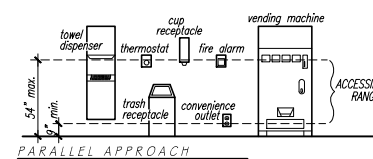
SIDE VIEW

LAVATORY CLEARANCES

CLEARANCES AROUND FIXTURES



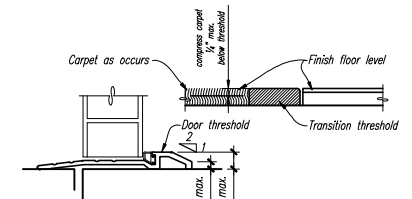
FORWARD APPROACH



PARALLEL APPROACH

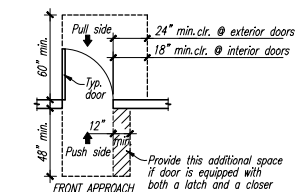
CONTROLS & OPERATING MECHANISMS

ELEVATION SHOWING RANGE OF ACCESSIBILITY



THRESHOLD DETAILS

SECTIONS @ DOOR AND TRANSITION THRESHOLDS



FRONT APPROACH
PLAN DETAIL

CLEARANCES AROUND DOORS

E

0.3

15.1 PLUMBING

I. GENERAL

A. Scope

- Furnish all labor, materials, equipment, permits and services required to complete all plumbing work as shown on the Drawings and as specified herein.
- The General Conditions apply to this Section, certain portions of which are referenced or partially re-stated for emphasis.
- Work shall include:
 - All process piping, vents, clean-outs, traps, supports, including:
 - Gas piping and regulators with vents,
 - Sanitary sewer lines, traps, vents
 - Cold and Hot water systems,
 - All piping shown on Schematic Plans, UON as specifically by Owner's Vendor
 - Backfill of all excavations shall be in accordance with Section 2.2.

B. Codes, Regulations & Standards

- All work and materials shall be in full accordance with the following:
 - Application of standards of the National Board of Fire Underwriters.
 - Regulations of the State Fire Marshal and NFPA.
 - All laws, ordinances and regulations of the State and local Agencies having jurisdiction, including latest editions of CBC, GPC, CMC, and NEC adopted by same.
- Where the standards of the Drawings and Specifications for materials and/or workmanship are higher than the requirements of the documents cited in the previous article, the Drawings and Specifications shall take precedence; otherwise the documents shall govern.

C. Drawings

The location of plumbing fixtures is as shown on the Drawings. Before executing any work, refer to all of the Drawings for conditions and dimensions. Determine plumbing requirements of all equip. and take necessary measurements at the Jobsite. Report to the Engineer all observed discrepancies before proceeding.

D. Workmanship

All work shall be performed by skilled mechanics with the best practices of the trade in a neat and workmanlike manner.

E. Submittals and Substitutions

Submit for approval by the Engineer copies of all materials and equipment proposed for installation, including:

- "Catalog cut sheets" for fixtures, equipment and materials.

See Articles 18 & 19 of the General Conditions for number of copies, proposed substitutions, and other information.

II. PRODUCTS AND MATERIALS

A. Materials

Fixtures, equipment and material shall be new, unused, of first line quality and as shown on the Drawings

1. PIPING

- | | |
|-----------------|--|
| Pressure Relief | Sch. 80, Black Malleable Iron, 300 psi rated |
| Water | Sch. 40, Galvanized Iron |
| Air | Sch. 40, Black Malleable Iron, 150 psi rated |
| Gas | Sch. 40, Black Malleable Iron, 150 psi rated |

See General Notes on Dwg. P1.0 for additional information

2. VALVES

- | | |
|------------|--|
| Ball Type: | Bronze, "Apollo" or equal, 150 psi rated |
| Butterfly: | Bronze, "Apollo" or equal, 150 psi rated |

3. INSULATION

Install on hot water lines. 1" thk., w/ white PVC jacket

4. COUPLINGS

T & C

Apply both teflon dope and teflon tape to threads prior to joining pipe.

5. PRESSURE GAGES

Not Used this Job

6. PIPE HANGER RACKS

Unistrut @ 10'-0" oc max spacing, hung from (E) bar joists

7. PIPE SIGNAGE

Not Used this Job

III. EXECUTION

A. General

- Unless noted otherwise or restricted by building constraints install piping:
 - True to line and grade, plumb and true.
 - Provide for expansion, contraction and structural settlement.

B. Installation

- No pipe shall be embedded in concrete. Install sleeves where pipes pass through concrete walls. Allow ample clearance between sleeves and pipes with oakum and seal with mastic where below grade.

C. Testing

- Testing of piping systems shall be as follows below and the equipment and expense for making tests shall be included hereunder.
- Piping system must be hydrostatically tested.
- Testing shall be conducted before backfilling and again after completion of system prior to use.
- Provide Engineer with copies of test results.
 - Sanitary sewer, drains and vents:
 - Stop all openings, set up the necessary standpipe and fill with water to the top of highest vent. Show no leakage for one (1) hour.
 - All above ground gas, water, air piping: Make tight at min. of 150 psi

D. Quality

Work shall be left neat, clean, free of defects, including leaks, rattles, or loose trim.

E. Warranty

See Article 9 of the General Conditions.

15.2 HVAC & SHEETMETAL DUCTWORK

I. GENERAL

A. Scope

- Furnish all labor, materials, equipment, permits and services necessary to complete all duct work as shown on the Drawings and as specified herein.
- The General Conditions apply to this Section, certain portions of which are referenced or partially re-stated for emphasis.
- Work shall include:
 - All Domestic and Process piping, vents, clean-outs, traps, supports, including:
 - Dryer ductwork
 - Make-up Gravity Vents
 - Evaporative Coolers
 - Flues

B. Codes, Regulations & Standards

- All work and materials shall be in full accordance with the following:
 - Applicable standards of ASHRAE, ANSI and SMACNA.
 - Applicable standards of the National Board of Fire Underwriters.
 - Regulations of the State Fire Marshal and NFPA.
 - All laws, ordinances, and regulations of State and Local Agencies

- Where the standards of the Drawings and Specifications for materials and/or workmanship are higher than the requirements of the documents cited in the previous article, the Drawings and Specifications shall take precedence; otherwise the documents shall govern.

C. Drawings

The Drawings are diagrammatic and establish the general requirements of the work, the sizes of members and the relations of parts. Before executing any work, refer to all of the Drawings for conditions and dimensions. Take all necessary measurements at the Jobsite. Report to the Architect all observed discrepancies before proceeding.

D. Workmanship

All work shall be performed by skilled mechanics with the best practices of the trade in a neat and workmanlike manner.

E. Submittals and Substitutions

Submit for approval by the Architect copies of all materials and equipment proposed for installation, including:

- Ductwork drawings showing layout, sizes, materials, fittings & joints.
- "Catalog cut sheets" for factory-made equipment and materials.
- Detailed shop drawings for shop or field-fabricated work.
- Indicate proposed method of supporting and bracing equipment and ductwork

See Articles 18 & 19 of the General Conditions for number of copies, proposed substitutions, and other information.

II. PRODUCTS AND MATERIALS

A. Materials

- Equipment and material shall be new, unused and of first line quality and as shown on the Drawings.

B. Ductwork

- Ductwork shall be mild steel, galv. sheet metal, spiral or shop fabricated and shall be sized as shown on the plans with gauge sizes as follows UON on the plans:

| | |
|------------------|--------|
| 8" to 10" dia.: | 26 ga. |
| 12" to 14" dia.: | 24 ga. |
| 16" to 24" dia.: | 22 ga. |
| 26" to 42" dia.: | 20 ga. |

 except use 18 ga. at rectangular-to-round transitions.
- At dryer exhaust ducts provide inspection doors max. @ 8" oc & where shown.

III. EXECUTION

A. General

- Exposed ductwork shall be installed parallel and perpendicular to building walls and ceiling, plumb and true.
- All work shall be securely fastened, including seismic.

B. Installation

- Equipment shall be installed in accordance with manufacturer's instructions.
- Ductwork joints:
 - Special care shall be taken at seams and corners within reach to remove burrs and sharp edges.
 - Dryer ducts: All hems to be on exterior of ductwork for smooth interior (duct carries lint). No projections from screws or other obstructions allowed. Wrap all joints with tape. Remove all burrs and sharp edges.
 - Support with galv. metal strapping to prevent sags in excess of 1/2" between supports.
 - Ductwork joints shall be substantially airtight.
 - Bends/Curves: Min. radius to duct centerline = 1.5D
 - Offsets: Use max. of 30 deg. wherever possible. Drift as required from dryer to roof opening as shown.
 - If adjustable fittings are used, tack weld after installation for fixed, sound connections without movement.

3. Roof penetration:

Ductwork Contractor shall review existing conditions on-site. Flash, seal and construct penetration for waterproof performance. Reinforce openings at wood roofs per Plans.

4. Clearance:

Maintain 10'-0" clearance to intake supply vents.

5. Field verify all existing conditions prior to duct fabrication.

C. Quality

All equipment and ductwork shall be left clean, free of defects, including free of excessive rattles.

D. Warranty

See Article 9 of the General Conditions.



Agee Engineering, Inc.

Agee Engineering, Inc.
INDUSTRIAL BUILDING DESIGN
1724 Alicante St.
15300 758-2040
Davis, CA 95618
Cell (916) 607-0830



Date Signed:

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PARADISE LAUNDRY, INC
105 Ascot Dr. Roseville, CA 95661

REVISIONS

| NO. | DATE | DESCRIPTION |
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SPECIFICATIONS

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|------|---------|-----------|----------|
| DATE | 1-23-20 | SCALE | AS SHOWN |
| NO. | 20-23 | THICKNESS | 0.5 |

City of Roseville Approval

16.1 ELECTRICAL

I. GENERAL

A. Scope

1. Furnish all labor, material, equipment, permits, and services necessary to complete all electrical work shown on the Drawings and as specified herein.
2. The General Conditions apply to this Section, certain portions of which are referenced or partially re-stated for emphasis.
3. Work Shall Include:
 - a) Electrical distribution system, including mains devices, over current devices, feeders, and panelboards, and branch circuitry, outlets, boxes, and wire and cable terminations, nameplates and wire markers. Include all items required to provide a complete and operational electrical installation.
 - b) Complete electrical raceway system including conduits and/or cables installed complete, and includes mounting, securing, trenching, backfilling, and grounding as required.
 - c) Supports, anchors, sleeves, hangers, and the like for electrical work.
 - d) Complete grounding system, including testing.
4. Backfill of all excavations shall be in accordance with Section 2.2.
5. Low voltage or control circuits for thermostats, gate operators, and the like are by Others. Line voltage circuits are by the Electrical Contractor.

B. Codes, Regulations & Standards

1. All work and materials shall be in full accordance with the following:
 - a) Safety Orders of the Division of Industrial Safety, Department of Industrial Relations.
 - b) Applicable standards of NEMA and ANSI.
 - c) Regulations of the State Fire Marshal and NFPA.
 - d) All laws, ordinances, and regulations of State and Local Agencies having jurisdiction, including latest editions of CBC and NEC adopted by same.
2. All material shall conform to the published requirements of the Underwriters Laboratories, Inc., (UL) and shall bear their label wherever they have established standards and regularly furnish label service.
3. Where the standards of the Drawings and Specifications for materials and/or workmanship are higher than the requirements of the documents cited in the previous article, the Drawings and Specifications shall take precedence; otherwise, the documents shall govern.

C. Workmanship:

All work shall be performed by skilled mechanics with the best practices for the trade in a neat and workmanlike manner.

D. Drawings

The Drawings are diagrammatic and establish the general requirements of the work, the sizes of members and the relation of parts. Before executing any work, refer to all of the Drawings for conditions and dimensions. Take all necessary measurements at the Jobsite. Report to the Engineer all observed discrepancies before proceeding.

Maintain a set of as-built drawings which document all changes made. Upon completion of work, transfer these changes to a neat clean set of full size drawings with red ink to indicate deletions. Submit these full size drawings to the Engineer.

E. Submittals and Substitutions

Submit for approval by the Engineer copies of material and equipment proposed for installation including:

1. "Catalog cut sheets" for light fixtures, outlets, switches, panelboards, and circuit breakers.

See Articles 18 & 19 of the General Conditions for number of copies, proposed substitutions, and other information.

II. PRODUCTS AND MATERIALS

A. Materials

Fixtures, equipment and material shall be new, unused, of first line quality and as shown on the Drawings.

B. Outlets, Pull and Junction Boxes

1. All fixtures, switches, and receptacle outlets shall be commercial grade and of the shape best suited to the particular locations and of sufficient size to contain all wires and connections without crowding.
2. All switch and receptacle outlets shall be in standard or gang switch boxes with suitable covers.
3. Covers shall be white at office areas and clear aluminum or stainless steel at plant areas, unless otherwise noted.
4. In dry and damp locations, provide sheet metal units conforming to UL 50 with hotdipped galvanizing conforming to ASTM A123.
5. In corrosive locations provide hot-compressed fiberglass units with minimum wall thickness of 1/8-inch.

C. Conductors:

1. THWN/THHN copper wire (no aluminum), 75C, 600V, #12 min. size, except ground wires.
2. Copper bus bars with aluminum plating allowed at distribution panels.
3. Colors:

| | | |
|----------|----------|--------|
| 120/208v | 277/480v | |
| Phase A | black | brown |
| Phase B | red | orange |
| Phase C | blue | yellow |
| Ground | green | green |
| Neutral | white | gray |
4. Wireways and gutters shall be screw cover type unless noted otherwise on Drawings. In exterior locations, units shall be the NEMA 4X molded fiberglass or stainless steel.
5. Surface raceways shall conform to NEC Article 352. Minimum cross-sectional area shall equal or exceed that of 3/4" conduit.
6. Conductors for equipment grounding shall be stranded copper sized to meet the NEC. Conductors shall have Type TW insulation.

D. Circuit Breakers:

1. Plug-in at 120v, 1ph.
2. Bolt-on at 3 ph. 208v, 277v & 480v.

E. Conduit:

1. Types - Unless noted otherwise on Drawings:
 - a) Concealed spaces: Flexible metal conduit ("Greenfield").
 - b) Exposed and wet locations: EMT ("Tigid thin-wall").
 - c) Underground: PVC or EMT
2. Conduit terminations shall be provided with a plastic insulated throat bushing.
3. For conduit 2" diameter and larger use 12" min. inside sweep elbows.

F. Panelboards and Light Fixtures

Shall be as shown on the Drawings

G. Wiring Devices

1. Receptacles shall be 20 ampere, 250 volt or as shown on the Drawings, NEMA 5-20. Color shall be white at Office areas. Devices shall have nylon composition face with a nylon or melamine body. Units shall comply with Federal Specification W-C-596E and UL 498. Weatherproof receptacles shall be mounted in a cast metal box with gasketed, weatherproof, cast metal cover plate and a separate cap over each opening. Each cap shall be provided with a spring hinged flap, stainless steel springs or rubber gaskets.
2. GFI receptacles shall conform to UL 943.
3. Device plates shall be white at Office areas and of the style and color to match the wiring devices. Plates shall conform to NEMA WD1, UL 514, ANSI C73 and Federal specification W-P-4552. Plates and boxes on finished walls and in corrosive areas shall be non-metallic or stainless steel.

H. Disconnect Switches

1. Disconnect switches shall be heavy duty safety switches, horsepower rated, 600 volt type. Units shall be Westinghouse HUN Series: Square D type HD, or equal.
2. Control stations shall be heavy duty allight type control switches and pushbuttons, NEMA A600. NEMA 1 or 4 enclosures shall be cast metal allight type. Units shall be Allen-Bradley Bulletin 800T, Westinghouse Type OT, or equal.

J. Grounding

1. Ground rods shall be copper clad steel, not less than 5/8" diameter by 10'-0 length.
2. Buried conductors shall be medium-hard drawn bare copper, other conductors shall be soft-drawn copper.
3. Exposed ground connections shall be high copper alloy, bolted pressure type. Buried connections in ground rod boxes shall be exothermic weld type.

K. Panel Board and Transformer Identification:

1. Face of Equipment: Use plastic engraved nameplates listing: Name, Voltage, Amperage, Location of Main Disconnect that feeds it.
2. Circuits: Typewritten circuit labels protected by clear plastic at panelboards. Approved plastic tags at all J-boxes, pull boxes, etc.
3. Externally Operated Switches, Disconnects and Starters: Use plastic engraved nameplates listing equipment served and panel that feeds it.
4. Meet all OSHA requirements for labeling.

III. EXECUTION

A. General

1. Conduit shall be installed parallel and perpendicular to building walls and ceiling, square and level, plumb and true, and not above the roof except where required at final connections.
2. Install equipment in accordance with the Standards referenced and the manufacturer's instructions.
3. Install fixtures and conduit securely (including seismic restraint where required).
4. Notching of wood studs shall not exceed the limitations allowed by the UBC. Metal studs shall NOT be notched, filled, or cut in any manner.
5. NO conduit or feeders shall be installed UNDER building floor slabs unless specifically noted on the Drawings or approved by the Engineer in writing.
6. The raceway construction shall be complete and protected from the weather before the conductors are pulled into it. Swab conduits before installing conductors. Exercise care in pulling wires and cables into conduits or wireways so as to avoid kinking, putting undue stress, or otherwise abrading or damaging them. No grease will be permitted in pulling conductors. Use only soapstone, talc, or UL listed pulling compound. Provide adequate bending radius. Install feeder cables in one continuous length without splices wherever possible.
7. Provide an equipment grounding conductor, whether or not it is shown on the Drawings, in any flexible conduit or any raceway in which all or any portion of a run consist of non-metallic duct or conduit. For flexible conduit, an external bonding jumper is an acceptable alternative.
8. In panels, bundle incoming wire and cables. Lace at intervals not greater than 6", neatly spread into trees, and connect to their respective terminals. Allow sufficient slack for alterations in terminal connections. For lacing, use plastic cable ties or linen lacing twine. Lacing is not necessary where conductors are properly installed in plastic panel wiring duct. For cables crossing hinges, utilize extra flexible standard wire, make up into groups not exceeding 12, and arrange so that they will be protected from chafing when the hinged member is moved.
9. Splices in wire and cable rated 600 volts or less shall be as follows:
 - a) Solid conductors: Use insulated wire nuts.
 - b) Stranded conductors #12 thru #8 AWG: Use crimp type sleeve connectors and insulation tape.
10. Install all conductors without splices unless necessary as determined by the Engineer. All splices in pull boxes below grade shall be watertight.

11. All cable must be kept dry and free of contaminants while storing, pulling and terminating.
12. Terminate all standard conductors using spade type terminals unless box lug terminals are provided on the equipment.
13. Identify each wire or cable at each termination using pre-printed head shrinkable wire markers.
14. In dry locations, install device in flush mounted box with washers as required to bring device mounting strap even with finished wall surface.
15. Mounting heights in inches from finished floor to center of outlet:
 - a) Single or duplex Receptacles, Industrial areas: 36
 - b) Toggle Switches, all areas: 48
 - c) Office: 18
16. Mount switches and circuit breakers with operating handle 5'-0 above finish floor.
17. Perform circuit continuity test with a low powered dc test source before energizing the protected equipment.
18. Demonstrate that the protect circuit can be manually controlled by the installed equipment.

B. Installation

1. Convenience Outlets
 - a) Install in standard boxes with single gang covers.
 - b) Center box 18" above finished floor, with long dimension vertical UCN or where the location of cases, counter, or other equipment requires a different mounting height.
2. Grounding
 - a) A continuous grounding system shall be installed in accordance with NEC article 250.
 - b) All non-current carrying metal parts of electrical equipment enclosures, frames, raceways, etc. shall be grounded to provide a low impedance path for line-to-ground fault current and to bond all non-current carrying parts together.
 - c) A separate isolated green continuous and un-spliced green ground conductor shall be provided for panelboards and devices as noted on the Drawings.
 - d) Reference ground resistivity shall be less than 25 OHMS.
 - e) Bond metallic water pipe at each entrance into the building. Ground separately derived electrical system neutrals to the metallic water piping in addition to the system drain ground per ANSI C1 requirements.
 - f) Provide a ground wire in every conduit carrying a circuit of over 150 volts to ground.
 - g) Make embedded or buried ground connections, taps, and splices with exothermic welds.
 - h) effectively bond structural steel for buildings to the ground system.
 - j) Conduct ground resistance test using a ground megohmmeter with a scale reading of 25 ohms maximum. test methods shall conform to IEEE Standard 81 using the three electrode method. conduct tests only after a period of not less than 48 hours of dry weather. furnish to the Engineer a test report with recorded data for each ground rod location.

C. Testing

1. All labor, material, and expense shall be included for the completion of all tests to prove adequacy of the system. Record all measurements. Resistance measurements shall meet the requirements of the National Electric Code.
2. Test all circuits for:
 - a) Insulation resistance
 - b) Ground resistance for the continuity of ground.
 - c) Shorts

D. Quality

Thoroughly clean all conduits and equipment. Work shall be left neat, clean and free of defects.

E. Operation

Upon completion of the work, make final inspection and operate equipment under normal conditions to the satisfaction of the Engineer and other interested authorities.

F. Owner's Manuals

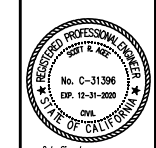
Provide two (2) complete sets of "Owner's Manuals" including operating instructions, care, maintenance, servicing, warranties and equipment list.

G. Warranty

See Article 9 of the General Conditions.



Agee Engineering, Inc.
INDUSTRIAL BUILDING DESIGN
1724 Alicante St. Davis, CA 95618
Cell (916) 607-0830
15307 758-2040



Date Signed:

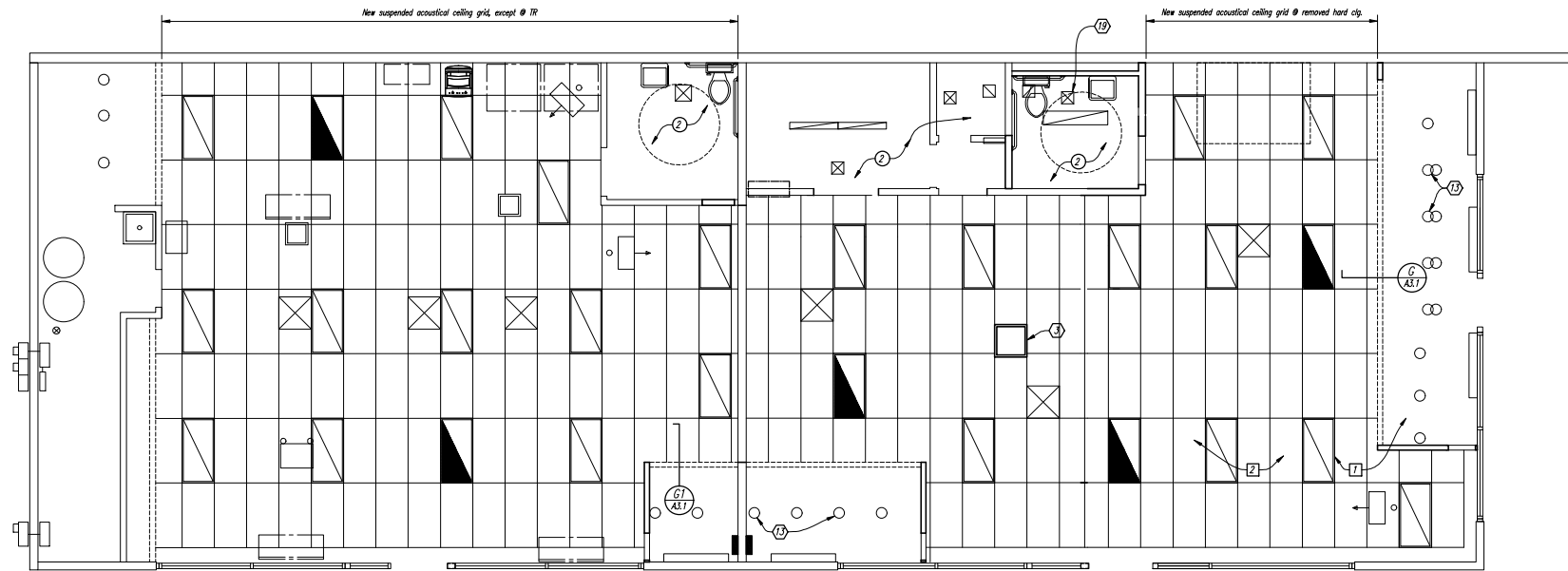
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105 Ascot Dr. Roseville, CA 95661

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SPECIFICATIONS

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| DATE | 1-23-20 | BY | SEA |
| NO. | 20-23 | REV. | 0.6 |

City of Roseville Approval



REFLECTIVE CEILING PLAN GENERAL NOTES

1. Remove all (E) ceiling tiles. Install new ceiling tiles in (E) laundromat and into T.I. expansion space
2. New ceiling grid in (E) laundromat to match (E) in expansion space and be set at same height, 8'-11.4"
3. Remove all (E) lay-in light fixtures
4. (E) FS heads have not been located, thus not shown.

REFLECTED CEILING PLAN 1/4" = 1'-0"

KEYED NOTES

1. Removable FRP countertop
 2. Quartz countertop
 3. Vertical plumbing chase, ceiling to bulkhead, see detail B/A3.0.
 4. Quartz transaction countertop.
 5. Roll-up shutter.
 6. Painted GWB
 7. 4'-0" FRP wainscot
 8. 6" O Rubber base
 9. FRP removable panels
 10. New GWB flush with (E)
 11. Painted wood trim at Dryer opening
 12. FRP covered bulkhead
 13. Dryer exhaust duct thru roof, typ of 14.
- NOTE: Leave sheetmetal exhaust penetration thru roof @ removed dryers in (E) laundromat as combustion air openings, typ of 7
14. Insulate hot water and drain pipes. No sharp projections to be beneath lavatories
 15. Paper holder
 16. Mirror, shim behind abv. wainscot
 17. Grab bar
 18. Soap dispenser
 19. Ceiling-mtd. Exhaust Fan: Greenheck SP-A290, 287 CFM @ 0.125" S.P., 1050 rpm, control with light switch, duct to roof utilizing (E) roof opening from demo'd EF,
 20. Provide 1" door undercut for make-up air
 21. Locate tank lever action on side of approach.
 22. Soap vending machine, see Dwg. A2.0

EXISTING FEATURES TO REMAIN

1. Alum. storefront beyond
2. Hard ceiling @ 8'-0" AFF this room, patch as req'd @ removed walls

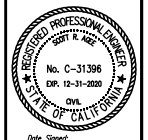
DEMOLITION NOTES

1. Remove (E) ceiling tiles. (E) grid to remain, except demo grid @ dryer spaces.
2. Remove (E) light fixtures throughout expansion space.



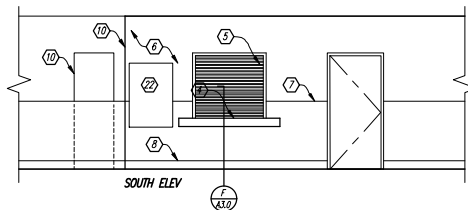
Agee Engineering, Inc.

Agee Engineering, Inc.
INDUSTRIAL BUILDING DESIGN
Davis, CA 95618
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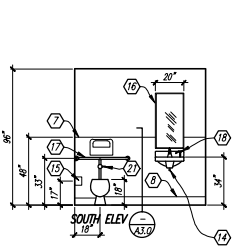


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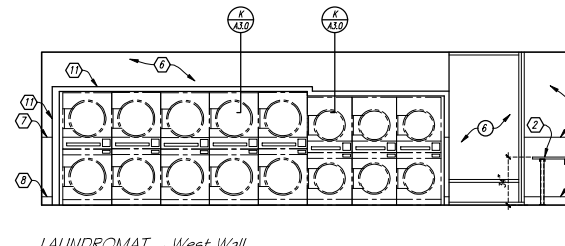
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PARADISE LAUNDRY, INC
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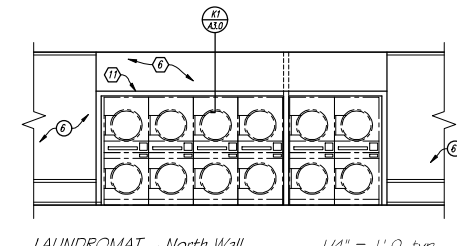
LAUNDROMAT - West Wall at FLUFF & FOLD



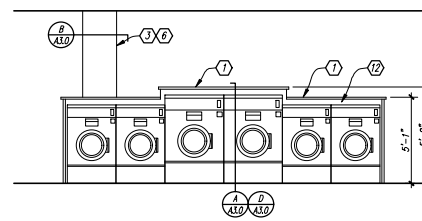
UNISEX



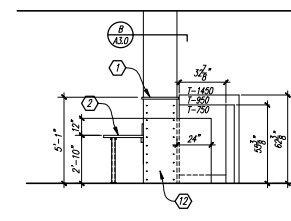
LAUNDROMAT - West Wall



LAUNDROMAT - North Wall 1/4" = 1'-0, typ



LAUNDROMAT - North Elev. @ Bulkhead



LAUNDROMAT - East Elev. @ Bulkhead

GENERAL DOOR HARDWARE NOTES

1. Exit doors shall be operable from inside without the use of a key, special knowledge or effort. No thumb latches or keyed cylinder dead bolts allowed on any doors unless operated by a single action with a lever from the inside of the area served per CBC 1003.
2. Manually-operated edge or surface-mounted flush bolts and surface bolts or any type of device that may be used to close or restrain the door other than the operation of the locking device shall not be used and are prohibited, except at door leaf doors.
3. Hand-activated door opening hardware shall be lever type mounted 36" above floor. Maximum effort to operate doors shall not exceed 8.5 lbs. for exterior doors & 5 lbs. for interior doors being applied at right angles of hinged doors.
4. Thresholds, where provided, shall meet CBC 11336.2.4.1 & 113367.4: 1/2" max. total differential, portion between 1/4" and 1/2" sloped no more than 1:2

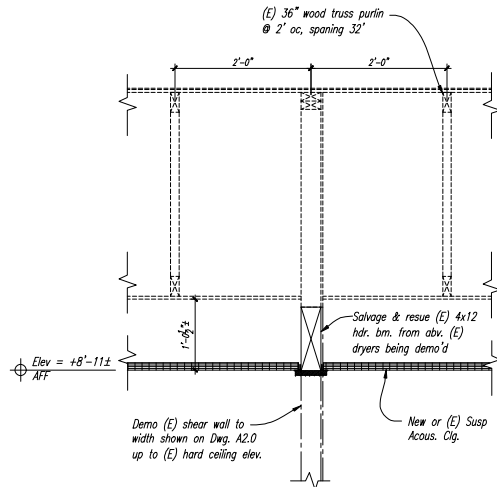
REVISIONS

| NO. | DATE | DESCRIPTION |
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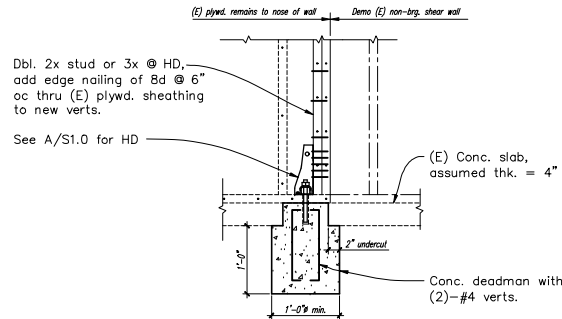
REFLECTED CEILING PLAN
INTERIOR ELEVATIONS

DATE: 1-23-20
DRAWN BY: JERA
CHECKED BY: JERA
NO. 20-23 **A2.1**

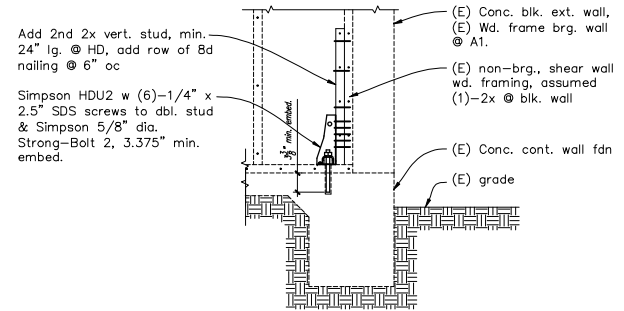
City of Roseville Approval



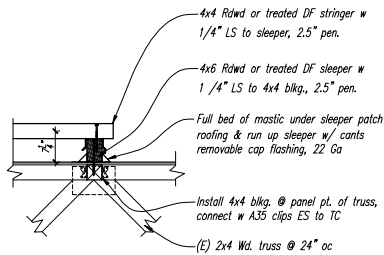
SECTION C 1" = 1'-0"



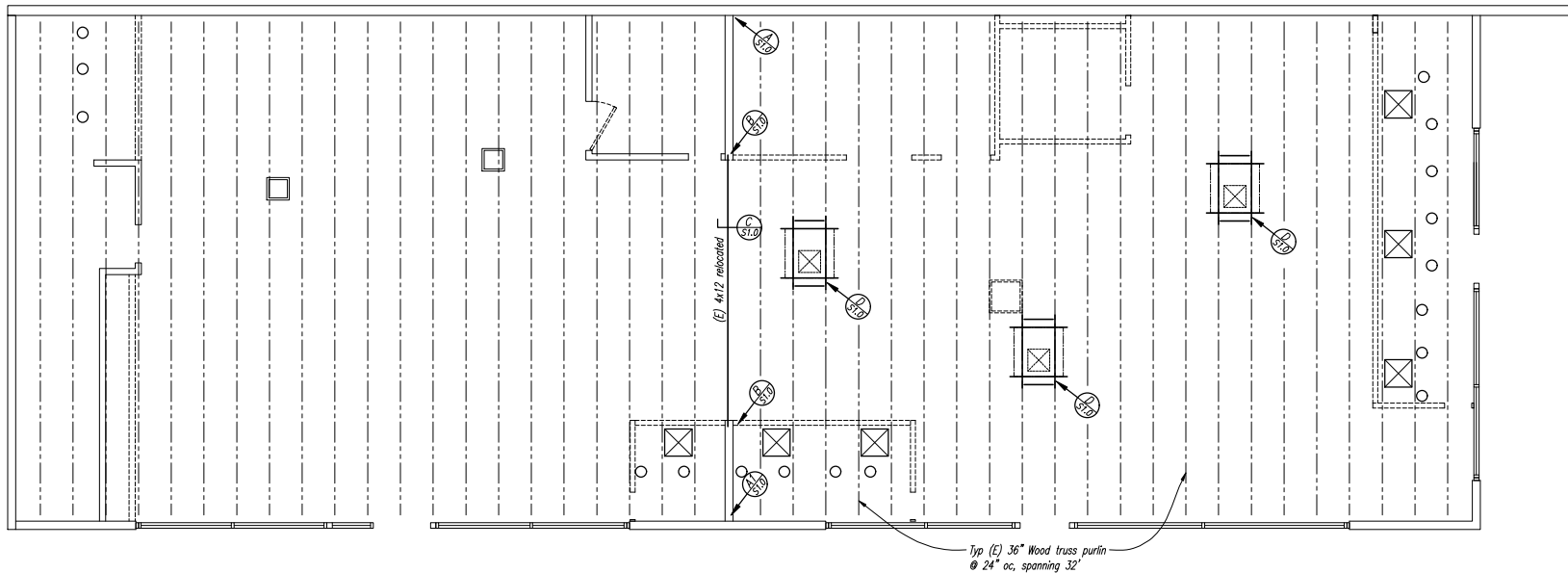
SECTION B 1" = 1'-0"



SECTION A/A1 1" = 1'-0"



EVAP. COOLER SUPPORT D 3/4" = 1'-0"



STRUCTURAL PLAN 1/4" = 1'-0"



Date Signed

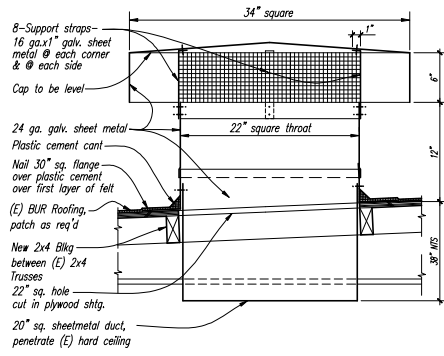
Laundromat Expansion for
PARADISE LAUNDRY, INC
105 Ascot Dr. Roseville, CA 95661

| REVISIONS | |
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STRUCTURAL PLAN # DETAILS

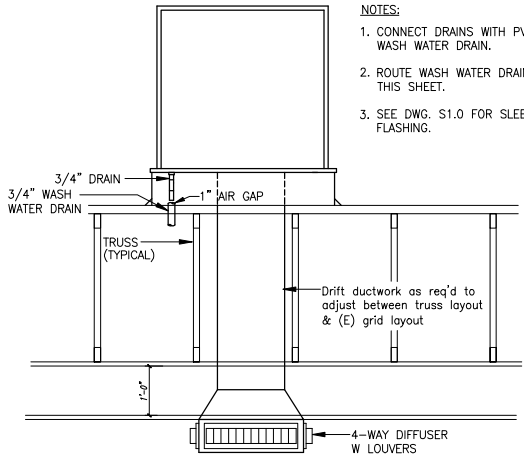
DATE: 11-23-20
SCALE: SEA

20-23 **S1.0**



TYPICAL RELIEF VENT B 1/2" = 1'-0"

ALTERNATE: use Greenheck curb-mounted Fabrahood with 20x20 throat
2.78 sf net opng.



SECTION A 3/4" = 1'-0"

Evap. Cooler

- NOTES:
1. CONNECT DRAINS WITH PVC AND ROUTE TO WASH WATER DRAIN.
 2. ROUTE WASH WATER DRAIN AS SHOWN ON THIS SHEET.
 3. SEE DWG. S1.0 FOR SLEEPER, STRINGER & FLASHING.

KEYED NOTES

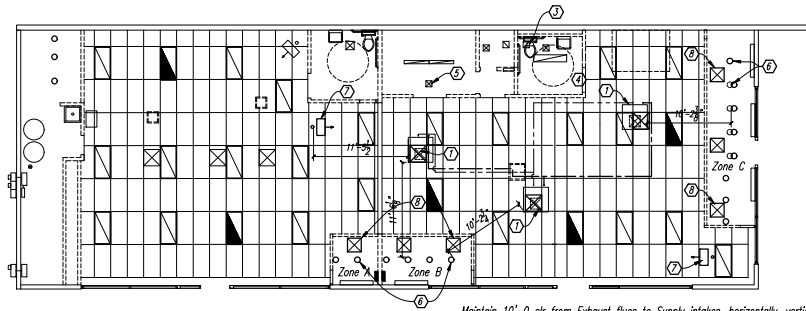
1. Install (3) evaporative coolers, 5000 CFM, downdraft, 3/4 hp, 120V, Champion 55000D or equal. 1/2 hp blower motor, 120V, 1 phase, See Detail A/M1.0 this sheet. See Dwg. S1.0 for support framing. Controls as directed by Owner/Tenant.
2. Not shown: Demo two (E) AC units serving Suite B
3. (E) TR EF to remain.
4. Undercut TR door 1" for make-up air
5. Provide 150 CFM air supply from EC using (E) supply diffuser from demo'd AC unit.
6. 8" Dryer duct roof penetration, gooseneck style, maintain 10'-0" clr. from any intake openings, flash for waterproof condition, typ of 14
7. Unit Heater: Reznor UDAP-45, power vented, low static, 45,000 BTUH, 629 CFM, 1/2" gas conn., 4" vent-to-roof, 59 lbs. hung from (E) roof trusses, typ of 2
8. Relief vent, see Detail B/M1.0 this sheet, 2.78 sf net free area, typ of 6

MAKE-UP AIR CALC. - by Zone

Dryer Demand in Zone A, combustion + Blower Exhaust =
 $2 \times 180 \text{ CFH}/60 + 2 \times 1,200 \text{ CFM} = 2,406 \text{ CFM}$
 $2,406 \text{ CFM} / 1200 \text{ FPM} = 2.0 \text{ SF min net free area req'd}$
 Use one relief vent

Dryer Demand in Zone B, combustion + Blower Exhaust =
 $4 \times 180 \text{ CFH}/60 + 4 \times 1,200 \text{ CFM} = 4,812 \text{ CFM}$
 $4,812 \text{ CFM} / 1200 \text{ FPM} = 4.0 \text{ SF min net free area req'd}$
 Use 2 relief vents

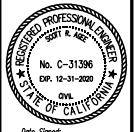
Dryer Demand in Zone C, combustion + Blower Exhaust =
 $3 \times 180 \text{ CFH}/60 + 3 \times 1,200 \text{ CFM} + 5 \times 216 \text{ CFH}/60 + 5 \times 1300 \text{ CFM} = 10,127 \text{ CFM}$
 $10,127 \text{ CFM} / 1200 \text{ FPM} = 8.44 \text{ SF min net free area req'd}$
 Use 3 relief vents



VENTILATION & HEATING PLAN 1/8" = 1'-0"



Agee Engineering, Inc.
 INDUSTRIAL BUILDING DESIGN
 1724 Alhambra St.
 (916) 738-2040



Laundromat Expansion for
PARADISE LAUNDRY, INC
 105 Ascot Dr. Roseville, CA 95661

REVISIONS

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VENTILATION & HEATING PLAN
 DATE: 11-23-20
 DRAWN BY: JSA
 CHECKED BY: JSA
 SCALE: M1.0

LAUNDRY EQUIPMENT SCHEDULE

| EQUIPMENT | | | | BASE HT. IN | VENTILATION | | | | EQUIP WT APPX LB. | PLUMBING | | | | | | | | | | ELECTRICAL | | | | | | | | | |
|-----------|-----|---------------------------|----------------------------|-------------------|-------------|---------------|------|------------|----------------------------|----------------|---------------|----------------|---------------|------------|-----------------------------|----------------|---------------|----------------|---------------|------------|------------|--------|--------|-----------|--------|--------------------|--------|------|--|
| No. | QTY | DESCRIPTION | REMARKS | | SIZE IN | C.F.M. EXH | SPLY | VENT TO | | HOT WATER | | COLD WATER | | WASTE | | GAS | | CONN. LOAD | | | | TYPE | | WIRE SIZE | | | | | |
| | | | | | | | | | | ROUGH-IN IN | CONNECT IN | ROUGH-IN IN | CONNECT IN | SIZE IN | Hgt. abv. Top of Base IN | ROUGH-IN IN | CONNECT IN | ROUGH-IN IN | CONNECT IN | R | Amps | V | PH | CB | CONN. | MOTOR SIZE/TYPE | CONCTR | Grnd | |
| 1 | --- | Not Used | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 7 | 30 Lb Washer/Extractor | Dextor T-450 | | | | | | 3/4" | | | | | | | | | 6.2 | 208 | 1Ø | 20A | | 3 HP | 12 AWG | 10 AWG | | | | |
| 3 | 2 | 50 Lb Washer/Extractor | (E) Dextor T-750 relocated | | | | | | 3/4" | | | | | | | | | 6.2 | 208 | 1Ø | 20A | | 3 HP | 12 AWG | 10 AWG | | | | |
| 4 | --- | Not Used | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 2 | 90 Lb. Washer/Extractor | Dextor T-1450 | | | | | | 3/4" | | | | | | | | | 15 | 120 | 1Ø | 15A | | 6.7 HP | 14 AWG | 10 AWG | | | | |
| 6 | 9 | Stack Dryers, Dbl. 30 Lb. | Dextor T-30x2 | 8" | 1,200 | | VTR | 719 | | | | | | | 1/2"Ø 5"-8" | 180,000 | 5 | 240 | 1 PH | DISC | 1/2 HP x 2 | 12 AWG | B AWG | B AWG | | | | | |
| 7 | 5 | Stack Dryers, Dbl. 50 Lb. | Dextor T-50x2 | 8" | 1,300 | | VTR | 879 | | | | | | | 1/2"Ø 5"-8" | 216,000 | 10 | 240 | 1 PH | DISC | 3/4 HP x 2 | 12 AWG | B AWG | B AWG | | | | | |

75° Cu THWN

KEYED NOTES

- (E) 2" HW & BFP
- (E) 2" W stub-up
- (E) 5" Two-way CO
- Connect new 4" SS to bot. of conc. trench with P-trap
- 2" VTR
- (E) Gas meter location w 3000 CFH capacity
- (E) Gas meter (original to bldg), PGE 623783369, no add'l load added to this meter
- At demo'd dryers, demo header & cap off 2" Gas
- 3/4" G drops to all new dryers, w SOV & flex conn., typ. of 14
- 2" HW & 1/2" HWR drops to new bulkhead & run to west end of bulkhead beyond last washer. All HW & HWR lines shall be insulated with 1" thk. fiberglass insulation.
- 2" CW stub-up into bulkhead & run to west end sim. to #10.

PLUMBING GENERAL NOTES

PIPE MATERIALS WITHIN BUILDING (Interior)

Water:
Abv. grnd., HW, HWR & CW: Copper, Type L
Undrgrnd., SS: Cast Iron, service wt.
Abv. grnd., SS: Cast Iron, service wt.
Natural Gas: Black Iron, Sch 40, ASTM A-53 with Viega MegaPressG Fittings

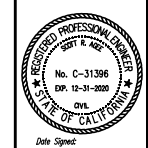
GAS LINE TESTING

Shall be per 2019 CBC 1213.0

GENERAL NOTES:

- Drift vents as req'd to maintain 10-0" clr. to outside air intakes of HVAC equipment.
- Provide, vents, traps, cleanouts, ect. as req'd by City and CPC Chapters 7, 9 & 10; Tables 7-5, 7-6 & 10-i
- Insulate all HW, ST and CD pipes w/ 1", R-4 insulation.
- Provide 12" double braided flex connection, union, SOV and dirt leg at all gas connections to Mech. Equipment.
- Wall cleanout, where occur, shall be between 12" and 24" AFF w SS cover of wall finish. UGM to be hidden in wall cavity w 12" sq. access panel at wall.

AEI
Agee Engineering, Inc.
INDUSTRIAL BUILDING DESIGN
1724 Alicante St.
Davis, CA 95618
Call (916) 607-0630



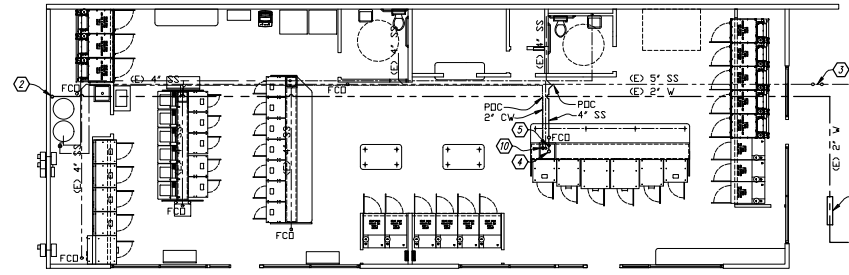
Laundromat Expansion for
PARADISE LAUNDRY, INC
105 Ascot Dr. Roseville, CA 95661

REVISIONS

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|-----|------|-------------|
| NO. | DATE | DESCRIPTION |
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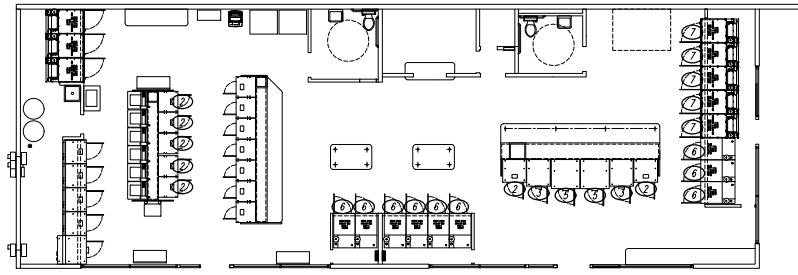
PLUMBING PLANS
DATE: 11-23-20
SCALE: AS SHOWN
SHEET: 20-23
PROJECT: P1.0

City of Roseville Approval



UNDERGROUND PLUMBING PLAN

1/8" = 1'-0"



EQUIPMENT LAYOUT PLAN

1/8" = 1'-0"

GAS TABLE INFO FROM CPC

Per Table 1216.2(2) 2019 CPC for Sch. 40 Metallic Pipe, Inlet pressure < 2 psi with 3.0 inch w.c. pres. drop for initial supply pressure of 8.0 inch w.c. or greater

| Length | Pipe Size | CFH Capacity |
|--------|-----------|--------------|
| 150' | 3" | 6893 |
| | 2.5" | 3899 |
| | 2" | 2446 |
| | 1.5" | 1270 |
| | 1.25" | 848 |
| | 1" | 413 |
| | 0.75" | 219 |

Paradise Laundry
105 Ascot Dr. Roseville, CA

EQUIPMENT GAS LOAD
Newer Gas Meter, 3000 CFH cap.

| QTY | DESCRIPTION | CFH | TOTAL CFH |
|-----|-------------------------------|-----|--------------|
| 9 | T-30x2 Stack Dryers (new) | 130 | 1,620 |
| 5 | T-50x2 Stack Dryers (exs+new) | 216 | 1,080 |
| 2 | Unit Heaters | 45 | 90 |
| | TOTAL CFH'S | | 2,790 |

DELIVERY GAS PRESSURE LESS THAN 2 PSIG

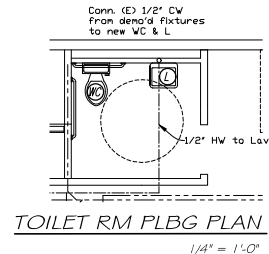
PLUMBING FIXTURE SCHEDULE

| SYMBOL | DESCRIPTION | MANUFACTURER | ELECTRICAL | REGIO | UNITS | CW | PH |
|--------|--|---|------------|-------|-------|--------|------|
| WC | WATER CLOSET - Fir mid., tank-top, 17" hi, 1.28 gal/flush, elongated, white vit. china, white open front seat, ADA compliant | Amer. Std. Modera 2835128 | | | 3" | 2" | 1" |
| L | LAVATORY - countertop drop-in, self-rimming, white vitreous china, front overflow, 4" centers, w/ 16" x 11" front-to-back x 8" deep Chrome plated, 4" wrist brace trim w/ ceramic cartridge, color-coded handles, 1-1/4" pop-up drain, vandal resistant 0.5 gpm flow restrictor, ADA compl. Countertop @ 34" AFF, lav rim 2-1/2" max from front edge | Amer. Std. 0476.028 "Aquady", white Spekman SC-3065 - BODY/FLO | | | 2" | 1 1/2" | 3/4" |

LEGEND & SYMBOLS

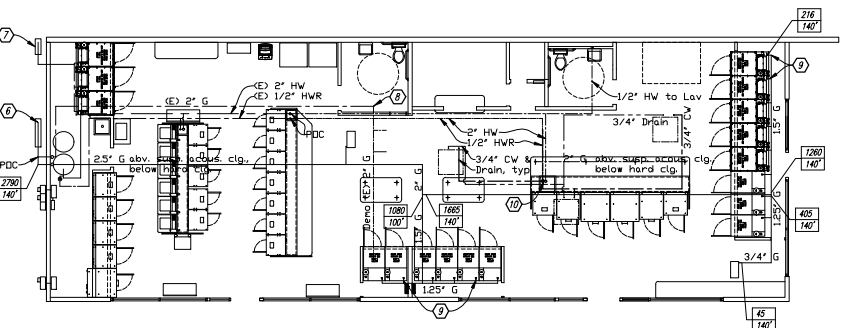
- Indicates total gas demand in CFH at point
- Indicates total distance from most remote unit to gas meter on branch line
- Maximum developed length = 160 ft. from meter to most remote gas appliance.
- Indicates gas regulator, 5 psi to 12" w.c. vent to roof
- Indicates invert elevation relative to FF = 100 in feet
- Indicates invert elevation below FF in inches

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-------|---------|------|-----|-----|-----|------|---------|----------|---------|------|-------|--------|-------|--------|--------|----------|-------|----------|--------|--------|--------|---------|--------|----------------------|-------|------|-------|----------|------|----|
| Gas Cock | AC-VL | ARCCONN | BALL | BIV | CAP | CHK | CONL | CONRED4 | ELBOWBOT | EYEWASH | FLOW | GLOBE | OVRODY | ISWAY | ISBALL | ISKSTP | ISOLEVER | LUNDL | LVLONTRL | PRBODY | PUMPSM | PVBODY | REDUCER | SHOCK3 | Press Reducing Valve | STWVG | TRAP | UNION | VALSUPER | VEE1 | VL |
|----------|-------|---------|------|-----|-----|-----|------|---------|----------|---------|------|-------|--------|-------|--------|--------|----------|-------|----------|--------|--------|--------|---------|--------|----------------------|-------|------|-------|----------|------|----|



TOILET RM PLBG PLAN

1/4" = 1'-0"



OVERHEAD PLUMBING PLAN

1/8" = 1'-0"

| (E) Panel "B" | | | | | |
|-------------------------------|-------------|-------------------|---------|---|-------|
| 120 / 240v, 1 PH, 3W, SN | | | | | |
| DIRECTORY | CIRCUIT NO. | BREAKERS AMP POLE | PHASE A | B | |
| Spare | 1 | 20 | 1 | | |
| Spare | 2 | 20 | 1 | | |
| Dryers 28 & 29 D-1 | 3 | 30 | 1 | | 1800 |
| Dryers 30 & 31 D-2 | 4 | 30 | 1 | | |
| Spare | 5 | 20 | 1 | | |
| Spare | 6 | 20 | 1 | | |
| Spare | 7 | 20 | 1 | | |
| Spare | 8 | 20 | 1 | | |
| Sub Panel B2 Stack Dryers | 9 | 70 | 1 | | 3,600 |
| Sub Panel B2 Stack Dryers | 10 | 70 | 1 | | 3,600 |
| Lights | 11 | 20 | 1 | | 1080 |
| Lights | 12 | 20 | 1 | | 1080 |
| Spare | 13 | 20 | 1 | | |
| Swamp Cooler | 14 | 20 | 1 | | 1800 |
| Outlets / Vending | 15 | 20 | 1 | | 1080 |
| Wall Outlet Shelf | 16 | 20 | 1 | | 1080 |
| Lights & Bathroom | 17 | 20 | 1 | | 1080 |
| ADT Box (alarm) | 18 | 20 | 1 | | 360 |
| Car Pump | 19 | 20 | 1 | | 1080 |
| Lowv Electronics | 20 | 20 | 1 | | 360 |
| Dryers 46 47 | 21 | 30 | 1 | | 1800 |
| Dryers 48 49 | 22 | 30 | 1 | | 1800 |
| Spare | 23 | 30 | 1 | | |
| Dryers 32 33 | 24 | 30 | 1 | | 1800 |
| Outlets | 25 | 20 | 1 | | 360 |
| Spare | 26 | 20 | 1 | | |
| Spare | 27 | 20 | 1 | | |
| Spare | 28 | 20 | 1 | | |
| Spare | 29 | 20 | 1 | | |
| Outlets | 30 | 20 | 1 | | 1080 |
| Spare | 31 | 20 | 1 | | |
| Vending | 32 | 20 | 1 | | 360 |
| Convenience Lights | 33 | 20 | 1 | | 1080 |
| Exit Light | 34 | 20 | 1 | | 1080 |
| Vending-Video Game | 35 | 20 | 1 | | 360 |
| Vending | 36 | 20 | 1 | | 1800 |
| Spare | 37 | 20 | 1 | | |
| Boiler | 38 | 20 | 1 | | 1800 |
| Card Reader | 39 | 20 | 1 | | 360 |
| Outlet & Lights behind Dryers | 40 | 20 | 1 | | 720 |

| | | | |
|--------------------------|--------|------------------|------------------|
| Connected Load, VA | 14,040 | 20,160 | kva = 142.5 amps |
| Connected Load, KVA | 34.20 | | |
| Spare Capacity | 0 | kva = 0.0 | |
| 25% of Continuous Load | 0 | kva = 0.0 | |
| 25% of Largest Motor | 1.25 | kva = 5.8 | |
| Min. Bus and Feeder size | 35.55 | kva = 148.1 amps | |

Main Breaker: 200 Amp @ Serv. Feeder: Unknown Type: Fault rating: 10 KIAC System: 120 / 240, 1PH, 3W, SN Mounting: Surface

| (E) Panel "B2" Stack Dryers | | | | | | | | | | | | | |
|---|-------------|-------------------|---------|-----|-----|-----------|-------------|------------------------------------|---------|----|---|-----|-----|
| 120 / 240v, 1 PH, 3W, SN | | | | | | | | | | | | | |
| This panel serves the 7 dryers demo'd. Repurpose & relocate to serve new dryers | | | | | | | | | | | | | |
| DIRECTORY | CIRCUIT NO. | BREAKERS AMP POLE | PHASE A | B | C | DIRECTORY | CIRCUIT NO. | BREAKERS AMP POLE | PHASE A | B | C | | |
| T-30x2 Stack Dryer Pr. 1/2 hp, 5 A | 1 | 30 | 2 | 600 | 600 | 30 | 2 | T-30x2 Stack Dryer Pr. 1/2 hp, 5 A | 3 | 30 | 2 | 600 | 600 |
| T-30x2 Stack Dryer Pr. 1/2 hp, 5 A | 5 | 30 | 2 | 600 | 600 | 30 | 6 | T-30x2 Stack Dryer Pr. 1/2 hp, 5 A | 7 | 30 | 2 | 600 | 600 |
| T-30x2 Stack Dryer Pr. 1/2 hp, 5 A | 9 | 30 | 2 | 600 | 600 | 30 | 10 | T-30x2 Stack Dryer Pr. 1/2 hp, 5 A | 11 | 30 | 2 | 600 | 600 |
| T-30x2 Stack Dryer Pr. 1/2 hp, 5 A | 13 | 30 | 2 | 600 | 600 | 30 | 12 | T-30x2 Stack Dryer Pr. 1/2 hp, 5 A | 15 | 30 | 2 | 600 | 600 |

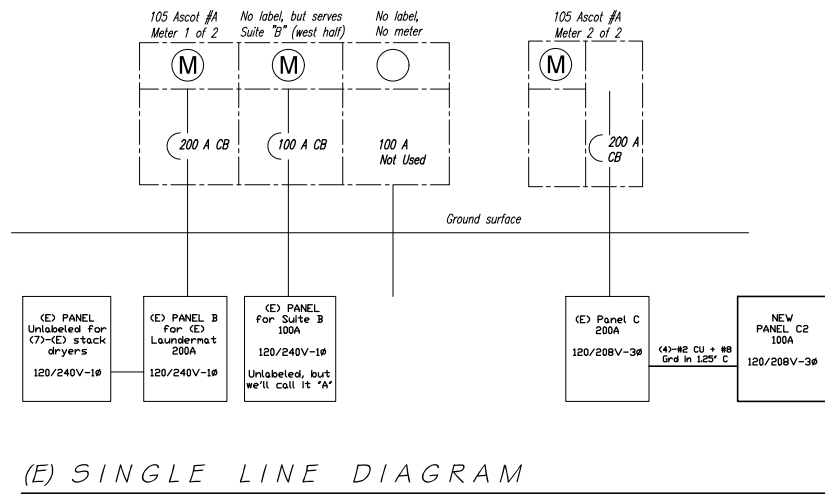
| | | | |
|--------------------------|-------|-----------------|-----------------|
| Connected Load, VA | 3,600 | 3,600 | kva = 30.0 amps |
| Connected Load, KVA | 7.20 | | |
| Spare Capacity | 0 | kva = 0.0 | |
| 25% of Continuous Load | 0 | kva = 0.0 | |
| 25% of Largest Motor | 1.35 | kva = 5.8 | |
| Min. Bus and Feeder size | 8.55 | kva = 35.8 amps | |

Main Breaker: 75 Amp Feeder: Unknown Type: Fault rating: 10 KIAC System: 120 / 240, 1PH, 3W, SN Mounting: Surface

| (E) Panel "C" | | | | | | | | | | | |
|---|-------------|-------------------|---------|------|------|--|-------------|-------------------|---------|------|------|
| 120 / 208v 3 PH, 4W, SN | | | | | | | | | | | |
| DIRECTORY | CIRCUIT NO. | BREAKERS AMP POLE | PHASE A | B | C | DIRECTORY | CIRCUIT NO. | BREAKERS AMP POLE | PHASE A | B | C |
| W 18 & 19 two 450 | 3 | 45 | 1488 | 1488 | 1488 | W 18 & 19 two T-450 | 4 | 45 | 1488 | 1488 | 1488 |
| W 24 750 | 7 | 15 | 1008 | 1488 | 1488 | W 14 & 15 two T-450 | 9 | 15 | 1008 | 1488 | 1488 |
| W 23 750 | 13 | 15 | 1008 | 1488 | 1488 | W 13 T-450 | 15 | 15 | 1008 | 1488 | 1488 |
| W 22 750 | 17 | 15 | 1008 | 1488 | 1488 | T-4 WE #5 removed, CB changes to SPARE | 21 | 15 | 1008 | 1488 | 1488 |
| W 21 750 | 25 | 15 | 1008 | 1488 | 1488 | T-4 WE #6 removed, CB changes to SPARE | 23 | 15 | 1008 | 1488 | 1488 |
| W 20 T-450 | 33 | 15 | 1008 | 1488 | 1488 | #7 Washer (750) relocated, CB changes to SPARE | 31 | 15 | 1008 | 1488 | 1488 |
| T-4 WE #7 removed & #8 Washer (750) relocated, Fed New Panel "C2" from these 3 circuits | 37 | 150 | 1176 | 1800 | 1800 | #3 Top-Load Washer, extsq | 33 | 15 | 32 | 1176 | 1800 |
| | 39 | 150 | 1176 | 1800 | 1800 | #4 Top-Load Washer, extsq | 35 | 15 | 32 | 1176 | 1800 |
| | 41 | 150 | 1176 | 1800 | 1800 | #1 Top-Load Washer, extsq | | | | | |
| | | | | | | #2 Top-Load Washer, extsq | | | | | |
| | | | | | | #11 Top-Load Washer, extsq | | | | | |

| | | | | |
|--------------------------|--------|------------------|--------|------------------|
| Connected Load, VA | 24,576 | 26,844 | 28,208 | kva = 207.3 amps |
| Connected Load, KVA | 74.62 | | | |
| Spare Capacity | 0 | kva = 0.0 | | |
| 25% of Continuous Load | 0 | kva = 0.0 | | |
| 25% of Largest Motor | 1.35 | kva = 3.8 | | |
| Min. Bus and Feeder size | 75.97 | kva = 211.0 amps | | |

Main Breaker: 200 Amp @ Serv. Feeder: Unknown Type: Fault rating: 10 KIAC System: 120 / 208, 3PH, 4W, SN Mounting: Surface



| (E) Panel "A" | | | | | | | | | | | |
|-------------------------------------|-------------|-------------------|---------|------|-------------------------------------|-------------|-------------------|---------|------|-----------|-------------|
| 120 / 240, 1 PH, 3W, SN | | | | | | | | | | | |
| Reconfigure existing panel in place | | | | | | | | | | | |
| (E) & New DIRECTORY | CIRCUIT NO. | BREAKERS AMP POLE | PHASE A | B | DIRECTORY | CIRCUIT NO. | BREAKERS AMP POLE | PHASE A | B | DIRECTORY | CIRCUIT NO. |
| T-50x2 Stack Dryer Pr. 3/4 hp, 10 A | 3 | 20 | 1200 | 1200 | T-50x2 Stack Dryer Pr. 3/4 hp, 10 A | 2 | 20 | 1200 | 1200 | | |
| T-50x2 Stack Dryer Pr. 3/4 hp, 10 A | 5 | 20 | 1200 | 1200 | T-50x2 Stack Dryer Pr. 3/4 hp, 10 A | 8 | 20 | 1200 | 1200 | | |
| T-50x2 Stack Dryer Pr. 3/4 hp, 10 A | 9 | 20 | 1200 | 1200 | T-50x2 Stack Dryer Pr. 3/4 hp, 10 A | 10 | 20 | 1200 | 1200 | | |
| Evap. Cooler, 1/2 hp | 13 | 20 | 1 | 480 | Evap. Cooler, 1/2 hp | 14 | 20 | 1 | 480 | | |
| Ext. Sign | 17 | 20 | 1 | 360 | Unit Heater | 1 | 20 | 1 | 360 | | |
| T-30x2 Stack Dryer Pr. 1/2 hp, 5 A | 19 | 15 | 600 | 600 | Unit Heater | 2 | 20 | 1 | 360 | | |
| T-30x2 Stack Dryer Pr. 1/2 hp, 5 A | 21 | 2 | 600 | 600 | Lights in laundry, behind dryers | 1 | 20 | 20 | 600 | | |
| T-30x2 Stack Dryer Pr. 1/2 hp, 5 A | 23 | 15 | 600 | 600 | Lights & Bath & EF | 1 | 20 | 20 | 600 | | |
| Fluor & Foli Lights, extst | 27 | 20 | 1 | 1080 | Lights & Bath & EF | 2 | 20 | 20 | 600 | | |
| Recpt. | 29 | 20 | 1 | 900 | Recpt. | 1 | 20 | 20 | 900 | | |

| | | | | |
|--------------------------|--------|-----------------|---|-----------|
| Connected Load, VA | 10,710 | 11,908 | 0 | 94.5 amps |
| Connected Load, KVA | 22.48 | | | |
| Spare Capacity | 0 | kva = 0.0 | | |
| 25% of Continuous Load | 0 | kva = 0.0 | | |
| 25% of Largest Motor | 0.8 | kva = 3.8 | | |
| Min. Bus and Feeder size | 23.58 | kva = 98.2 amps | | |

Main Breaker: 150 Amp @ Serv., 125 A Main Logic Feeder: Unknown Type: Fault rating: 10 KIAC System: 120 / 240, 1 PH, 3W, SN Mounting: Recessed

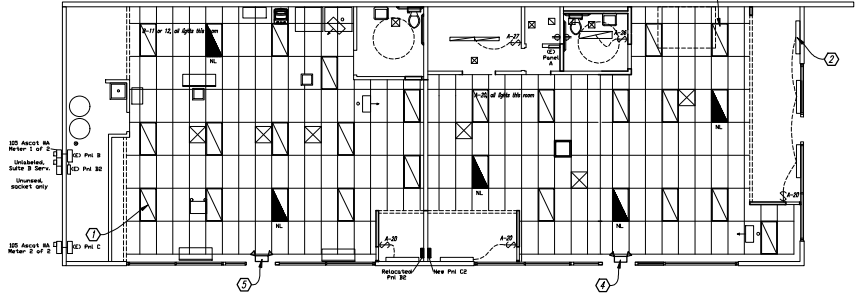
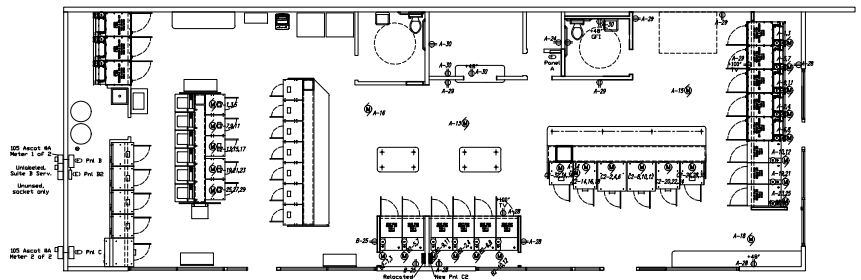
| New Panel C2, fed from Panel C | | | | | | | | | | | |
|--------------------------------|-------------|-------------------|---------|------|------|------------------|-------------|-------------------|---------|------|------|
| 120 / 208v, 3 PH, 4W, SN | | | | | | | | | | | |
| DIRECTORY | CIRCUIT NO. | BREAKERS AMP POLE | PHASE A | B | C | DIRECTORY | CIRCUIT NO. | BREAKERS AMP POLE | PHASE A | B | C |
| T-450 WE, 30 lb | 1 | 15 | 744 | 1800 | 1800 | T-1450 WE, 30 lb | 1 | 15 | 744 | 1800 | 1800 |
| T-450 WE, 30 lb | 5 | 3 | 744 | 1800 | 1800 | T-1450 WE, 30 lb | 9 | 3 | 744 | 1800 | 1800 |
| T-450 WE, 30 lb | 7 | 15 | 744 | 1800 | 1800 | T-1450 WE, 30 lb | 11 | 15 | 744 | 1800 | 1800 |
| T-450 WE, 30 lb | 9 | 15 | 744 | 1800 | 1800 | T-1450 WE, 30 lb | 13 | 15 | 744 | 1800 | 1800 |
| T-450 WE, 30 lb | 11 | 15 | 744 | 1800 | 1800 | T-1450 WE, 30 lb | 15 | 15 | 744 | 1800 | 1800 |
| T-450 WE, 30 lb | 13 | 15 | 744 | 1800 | 1800 | T-1450 WE, 30 lb | 17 | 15 | 744 | 1800 | 1800 |
| T-450 WE, 30 lb | 15 | 15 | 744 | 1800 | 1800 | T-1450 WE, 30 lb | 19 | 15 | 744 | 1800 | 1800 |
| T-450 WE, 30 lb | 17 | 15 | 744 | 1800 | 1800 | T-1450 WE, 30 lb | 21 | 15 | 744 | 1800 | 1800 |
| T-450 WE, 30 lb | 19 | 15 | 744 | 1800 | 1800 | T-1450 WE, 30 lb | 23 | 15 | 744 | 1800 | 1800 |
| T-450 WE, 30 lb | 21 | 15 | 744 | 1800 | 1800 | T-1450 WE, 30 lb | 25 | 15 | 744 | 1800 | 1800 |
| T-450 WE, 30 lb | 23 | 15 | 744 | 1800 | 1800 | T-1450 WE, 30 lb | 27 | 15 | 744 | 1800 | 1800 |
| Space | 29 | 3 | 744 | 1800 | 1800 | Space | 31 | 3 | 744 | 1800 | 1800 |
| Space | 31 | 3 | 744 | 1800 | 1800 | Space | 33 | 3 | 744 | 1800 | 1800 |
| Space | 33 | 3 | 744 | 1800 | 1800 | Space | 35 | 3 | 744 | 1800 | 1800 |

| | | | | |
|--------------------------|--------|-----------------|--------|-----------------|
| Connected Load, VA | 10,824 | 10,824 | 10,824 | kva = 90.2 amps |
| Connected Load, KVA | 32.47 | | | |
| Spare Capacity | 0 | kva = 0.0 | | |
| 25% of Continuous Load | 0 | kva = 0.0 | | |
| 25% of Largest Motor | 1.35 | kva = 3.8 | | |
| Min. Bus and Feeder size | 33.82 | kva = 94.0 amps | | |

Main Breaker: 100 Amp Feeder: #4 CU #8 CU Gnd. In 1-1/4" Conduit Type: Fault rating: 10 KIAC System: 120 / 208, 3PH, 4W, SN Mounting: Surface

- ### KEYED NOTES
- 2'x4' Troffer light fixture, one 32W LED lamps. Use Cree ZR24C-40L-40K-10V-FD-ZR24 typ of 27, (5) as night lights with emergency ballast.
 - 4', 2-tube, T-8 fluorescent strip lite fixture, 34w lamps, typ of 5
 - Surface mounted ceiling lite fixture, 10" x 48", wraparound, LED, 60L, Lithonia STL4 series or equal.
 - Internally lit Exit fixture with (2)-bugeye lamps, typ of 1 new, Lithonia LHQM series or equal.
 - (E) Internally lit EXIT fixture w (2)-bugeye lamps to remain.
 - See Equipment Schedule, Dwg. P1.0 for min. conductor sizes for equipment.

- ### GENERAL NOTES:
- Grounding of HVAC equipment to be per NEC Article 250.
 - Power for Owner's security cameras to be determined by that vendor.
 - Light fixtures are switched by the circuit breakers except where shown otherwise (i.e. toilet rooms)
 - All equipment and appliances shall be hard wired with an approved disconnect unless the equipment and appliances are supplied with an approved factory installed cord and male connector.



AEI
Agee Engineering, Inc.

DESIGN
INDUSTRIAL BUILDING
Davis, CA 95618
call (916) 607-0630



Laundromat Expansion for
PARADISE LAUNDRY, INC
105 Ascot Dr. Roseville, CA 95661

REVISIONS

| | | | |
|-----|----------|-----|-------------|
| NO. | DATE | BY | DESCRIPTION |
| 1 | 11-23-20 | 58A | |

ELECTRICAL PLANS

DATE: 11-23-20 DRAWN BY: 58A
NO. 20-23 TITLE: E1.0

City of Roseville Approval



TITLE 24 ASAP

RESIDENTIAL TITLE 24 DOCUMENTS & HVAC DESIGN SERVICES

LITTLE TREE ENERGY CONSULTING, LLC D.B.A. TITLE 24 ASAP

23546 COMMUNITY ST WEST HILLS, CA 91304

LINA@TITLE24ASAP.COM CALL/TEXT (833) 482-4362

PROJECT ADDRESS

Paradise Laundry T.I. 105 Ascot Drive Roseville, CA 95661

REVISIONS

Table with 3 columns: #, DATE, REVISION. Contains one revision entry.

SHEET DESCRIPTION

TITLE 24

SHEET #

T24.1

CERTIFICATE OF COMPLIANCE Project Name: Paradise Laundry T.I. Report Page: Page 1 of 6 Project Address: 105 Ascot Dr. Roseville, CA 95661 Date Prepared: 11-27-2020

Table A: GENERAL INFORMATION. Includes project location, climate zone, and occupancy types.

Table B: PROJECT SCOPE. Includes table for Scope of Work and Total Area of Work (2,750 sq ft).

Table C: COMPLIANCE RESULTS. Summary table for lighting power and compliance status.

CERTIFICATE OF COMPLIANCE Project Name: Paradise Laundry T.I. Report Page: Page 2 of 6 Project Address: 105 Ascot Dr. Roseville, CA 95661 Date Prepared: 11-27-2020

Table D: EXCEPTIONAL CONDITIONS. Controls Compliance (See Table H for Details) - COMPLIES. Rated Power Reduction Compliance (See Table Q for Details) - Not Applicable.

Table E: ADDITIONAL REMARKS. This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Table F: INDOOR LIGHTING FIXTURE SCHEDULE. Table with 10 columns for fixture details and 2 columns for field inspector.

Table G: MODULAR LIGHTING SYSTEMS. Table with 3 columns for system details and 2 columns for field inspector.

Table H: INDOOR LIGHTING CONTROLS (Not Including PAFs). Table with 12 columns for control details and 2 columns for field inspector.

Table I: LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS. Table with 6 columns for power allowance details and 2 columns for field inspector.

CERTIFICATE OF COMPLIANCE Project Name: Paradise Laundry T.I. Report Page: Page 4 of 6 Project Address: 105 Ascot Dr. Roseville, CA 95661 Date Prepared: 11-27-2020

Table J: ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM. Table with 6 columns for lighting system details and 2 columns for field inspector.

Table K: TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE. This Section Does Not Apply.

Table L: ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY. This Section Does Not Apply.

Table M: ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING. This Section Does Not Apply.

Table N: ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS. This Section Does Not Apply.

Table O: ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE. This Section Does Not Apply.

Table P: POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF)). This Section Does Not Apply.

Table Q: RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS. This Section Does Not Apply.

Table R: 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS. This Section Does Not Apply.

CERTIFICATE OF COMPLIANCE Project Name: Paradise Laundry T.I. Report Page: Page 5 of 6 Project Address: 105 Ascot Dr. Roseville, CA 95661 Date Prepared: 11-27-2020

Table S: DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF). This Section Does Not Apply.

Table T: DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION. Table with 3 columns for installation details and 2 columns for field inspector.

Table U: DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE. Table with 3 columns for acceptance details and 2 columns for field inspector.

Table V: DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE. Table with 3 columns for acceptance details and 2 columns for field inspector.

Table W: DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE. Table with 3 columns for acceptance details and 2 columns for field inspector.

CERTIFICATE OF COMPLIANCE Project Name: Paradise Laundry T.I. Report Page: Page 6 of 6 Project Address: 105 Ascot Dr. Roseville, CA 95661 Date Prepared: 11-27-2020

Table X: DOCUMENTATION AUTHOR'S DECLARATION STATEMENT. Declaration by Lina Hartwig.

Table Y: RESPONSIBLE PERSON'S DECLARATION STATEMENT. Declaration by Scott Agee.

Table Z: RESPONSIBLE PERSON'S DECLARATION STATEMENT. Declaration by Scott Agee.

Table AA: RESPONSIBLE PERSON'S DECLARATION STATEMENT. Declaration by Scott Agee.

Table AB: RESPONSIBLE PERSON'S DECLARATION STATEMENT. Declaration by Scott Agee.

Table AC: RESPONSIBLE PERSON'S DECLARATION STATEMENT. Declaration by Scott Agee.

Table AD: RESPONSIBLE PERSON'S DECLARATION STATEMENT. Declaration by Scott Agee.

Table AE: RESPONSIBLE PERSON'S DECLARATION STATEMENT. Declaration by Scott Agee.

Table AF: RESPONSIBLE PERSON'S DECLARATION STATEMENT. Declaration by Scott Agee.