### TLCD ARCHITECTURE

#### 425 HUMBOLDT STREET

**SANTA ROSA, CA 95404**

### SUMMARY OF WORK

**DESCRIPTION**

- Building code and standards
- Applicable codes
- Project description
- Zoning information

**APPLICABLE CODES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AISC</td>
<td>American Institute of Steel Construction</td>
</tr>
<tr>
<td>ASCE</td>
<td>American Society of Civil Engineers</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Association</td>
</tr>
</tbody>
</table>

**PROJECT TEAM**

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>John Doe</td>
</tr>
<tr>
<td>Engineering</td>
<td>Jane Smith</td>
</tr>
<tr>
<td>Structural</td>
<td>Michael Brown</td>
</tr>
</tbody>
</table>

### PROJECT INFORMATION

**425 HUMBOLDT STREET APARTMENTS**

- Santa Rosa, CA 95404

**DESIGN DEVELOPMENT**

- 52121

**NOT FOR CONSTRUCTION**

**MOCITY MAP**

- Map showing the location of 425 Humboldt Street in Santa Rosa, CA

**DEFERRED APPROVAL ITEMS**

- Item 1
- Item 2
- Item 3

**ADDITIONAL REFERENCE MATERIALS**

- Additional information and resources related to the project

**PARTIAL LIST OF APPLICABLE REFERENCE STANDARDS**

- Standard 1
- Standard 2
- Standard 3

**PROJECT DESCRIPTION**

The project located at 425 Humboldt Street in Santa Rosa, CA, involves the design and construction of a multi-story residential complex. The project team comprised of designers, engineers, and structural experts, adhered to the applicable codes and standards to ensure compliance with local regulations.

**ZONING INFORMATION**

- Zoning Type:
- Land Use:
- setbacks:
- parking:

**NOT FOR CONSTRUCTION**

**MOCITY MAP**

- Map showing the location of 425 Humboldt Street in Santa Rosa, CA

**DEFERRED APPROVAL ITEMS**

- Item 1
- Item 2
- Item 3

**ADDITIONAL REFERENCE MATERIALS**

- Additional information and resources related to the project

**PARTIAL LIST OF APPLICABLE REFERENCE STANDARDS**

- Standard 1
- Standard 2
- Standard 3

**PROJECT DESCRIPTION**

The project located at 425 Humboldt Street in Santa Rosa, CA, involves the design and construction of a multi-story residential complex. The project team comprised of designers, engineers, and structural experts, adhered to the applicable codes and standards to ensure compliance with local regulations.

**ZONING INFORMATION**

- Zoning Type:
- Land Use:
- setbacks:
- parking:
1. The Landscape Contractor shall inspect the site and verify conditions and dimensions prior to construction.

2. Install irrigation system in accordance with all local codes and ordinances.

3. See details and specifications for procedures, material and installation requirements.

4. Prior to cutting into soil, locate all cables, conduits, sewers, and other utilities or landscape architecture and planning components that are commonly encountered underground and take proper and/or replaced to the satisfaction of the Owner at the Contractor's own expense.

5. The irrigation design is diagrammatic. All piping, valves, etc., shown within paved areas are for design clarification only and shall be installed in planting areas. Main and valves shall be installed in shrub/ground cover areas only. Avoid conflicts with utilities, new architectural features that are commonly encountered underground and take proper

6. All valves shall be placed in Carson 1419B-12B, or equal, green valve box. All non-potable water source valves to be placed in Carson 1419B-12B, or equal, green valve box with purple lid, Item #: RGC14194010/RWDNDES. All valve boxes shall be located in ground cover areas whenever possible, and shall be bolted.

7. Station operation times shall not exceed the soil's infiltration rate as determined by the soils report.

8. Station operation times shall not exceed the soil's infiltration rate as determined by the soils report.

9. All lateral end runs shall be 3/4" size unless otherwise noted.

10. Where pipe sizes have been omitted or there is a conflict, refer to the lateral pipe sizing chart for sizes.

11. Install one spare common and two spare control wires from each controller in a continuous loop through each valve box connected to that controller for future use.

12. Contractor shall coordinate sleeving for irrigation piping with Paving Contractor prior to paving installation. It is the contractor's responsibility for providing appropriate sleeving under hardscape. At each mainline sleeve, provide a separate, appropriate-size sleeve for control/common wiring.

13. The landscape Contractor shall coordinate his work with other trades involved (I.E. Grading, Plumbing and Electrical Contractors).

14. Contractor shall verify all locations and function of existing irrigation equipment and notify Landscape Architect if any discrepancies are found between plans and existing irrigation conditions.

15. See each sheet for Irrigation Point of connection and individual system information. The general sheet and each floor have independent design requirements. Refer to the above sheet outline for points of connection and interior plumbing for the irrigation system.

16. Upon completion of the installation, the contractor shall request the Project Inspector to perform an inspection. The Contractor shall schedule an inspection date and time with the Inspector and provide all required documentation and materials. The Contractor shall be present during the inspection to answer any questions the Inspector may have.

17. The Contractor shall include a completion certificate with the completion form. The completion certificate shall include the date of completion and the signature of the Contractor.

18. The Contractor shall notify the Project Inspector of any applicable laws, codes, or regulations. The Contractor shall provide all required documentation and materials. The Contractor shall be present during the inspection to answer any questions the Inspector may have.

19. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.

20. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.

21. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.

22. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.

23. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.

24. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.

25. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.

26. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.

27. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.

28. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.

29. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.

30. We have completed the irrigation system design and installation in accordance with the approved plans and specifications. We have followed all applicable laws, codes, and regulations. We have complied with all applicable permits and licenses. We have provided all required documentation and materials. We have been present during the inspection to answer any questions the Inspector may have.
LEVEL 1 and LEVEL 3 - STREETSCAPE AND COURTYARD

IRRIGATION SCHEMATIC

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>MANUFACTURER/MODEL/DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hunter PCB 50</td>
<td>50GPM</td>
</tr>
<tr>
<td>Hunter RZWS-18-CV</td>
<td>50GPM</td>
</tr>
<tr>
<td>Netafim LVCZS8010075-HF</td>
<td>Pre-Assembled Control Zone Kit, with 1&quot; Series 80 landscape architecture and planning, inc. Control Valve, 3/4&quot; Disc Filter, and High Flow Pressure Regulator 4.5GPM to 17.6GPM.</td>
</tr>
<tr>
<td>Toro LF-PC Drip Bubbler</td>
<td>Pressure Compensating Drip Bubbler easily 4.0 GPH and 2.0 GPH. 50-60 PSI and 15 GPM threaded on a 1/2&quot; threaded riser.</td>
</tr>
<tr>
<td>Techline TLCV-04-18</td>
<td>Sub-Surface Applied Dripline Area Location TBD Dripline with Check Valve. 0.4 GPH emitters at 18&quot; O.C. Dripline laterals spaced at 18&quot; apart, with emitters offset for triangular pattern.</td>
</tr>
<tr>
<td>EZ-FLO Fertilizing Systems EZ001-CX</td>
<td>One system feeds all zones, drip or sprinkler. Used for smaller commercial landscapes, residential, HOA's, model homes, and grower applications. Install directly in the irrigation system main line after the back flow preventer. Tank Capacity: 1.5 G.</td>
</tr>
</tbody>
</table>

IRRIGATION CONTROLLER #2, Netafim TLCV-04-18 - Sub-Surface Application Controller for Third Floor Courtyard Plantings, Exact Location TBD Techline Pressure Compensating Landscape Dripline with Check Valve. 0.4 GPH emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. |

IRRIGATION CONTROLLER #3, CONTROLLER FOR 8TH FLOOR ROOF TERRACE PLANTINGS, EXACT LOCATION AT SKY LOUNGE TBD MEP TO CONNECT TO IRR MAINLINE, ROUTE BUILDING INTERNAL IRRIGATION TO IRRIGATION PUMP. PUMP TO DELIVER IRRIGATION TO 8TH FLOOR ROOF TERRACE LANDSCAPE. IRRIGATION DEMAND FOR NORTH PODIUM IS: 50-60 PSI and 5 GPM |

IRRIGATION CONTROLLER #1, CONTROLLER FOR GROUND FLOOR STATIONS LOCATED IN BUILDING, EXACT LOCATION TBD MEP TO CONNECT TO IRR MAINLINE, ROUTE BUILDING INTERNAL IRRIGATION TO IRRIGATION PUMP. PUMP TO DELIVER IRRIGATION TO 3RD FLOOR COURTYARD CONSTRUCTION IRRIGATION DEMAND: Pressure Compensating Drip Bubbler easily 4.0 GPH and 2.0 GPH. 50-60 PSI and 15 GPM threaded on a 1/2" threaded riser. |

LEVEL 8 - ROOF TERRACE

Note: The irrigation design is diagrammatic. Where values fall within paved areas, Contractor is responsible to calculate edge trim. Avoid conflicts with utility, green planting, roof deck or architectural elements.
PLANTING SCHEDULE

**STREET TREES**
- Cercis chinensis / Chinese Redbud 24" box
- Lagerstroemia indica x fauriei `Natchez` / Natchez Crape Myrtle 24" box
- Acer circinatum / Vine Maple 24" box
- Cercis canadensis texensis `Texas White` / Texas White Redbud 24" box
- Chondropetalum tectorum `El Campo` / El Campo Small Cape Rush 1 gal
- Hesperaloe parviflora / Red Yucca 1 gal
- Lomandra longifolia `Breeze` / Breeze Mat Rush 1 gal
- Mahonia aquifolium `Compacta` / Compact Oregon Grape 5 gal
- Polystichum munitum / Western Sword Fern 1 gal
- Westringia fruticosa `Blue Gem` / Coast Rosemary 5 gal
- Westringia fruticosa `WES06` TM / Low Horizon Coast Rosemary 1 gal

**FLOW THROUGH & BIORETENTION PLANTING**
- Abutilon x hybridum / Flowering Maple 5 gal
- Achillea millefolium / Common Yarrow 1 gal
- Carex divulsa / European Grey Sedge 1 gal
- Chondropetalum tectorum `El Campo` / El Campo Small Cape Rush 1 gal
- Dianella revoluta `Little Rev` / Spreading Flax Lily 1 gal
- Iris douglasiana / Douglas Iris 1 gal
- Mahonia `Soft Caress` / Oregon Grape 5 gal
- Nandina domestica `Lemon Lime` / Lemon Lime Heavenly Bamboo 5 gal
- Polystichum munitum / Western Sword Fern 1 gal
- Salvia spathacea `Las Pilitas` / Hummingbird Sage 1 gal
- Satureja douglasii / Yerba Buena 1 gal
- Westringia fruticosa `Morning Light` / Morning Light Coast Rosemary 5 gal
- Bignonia capreolata / Cross Vine 5 gal
- Carex divulsa / European Grey Sedge 1 gal
- Hesperaloe x `Perfu` / Pink Parade Red Yucca 1 gal
- Lomandra longifolia `Breeze` TM / Breeze Mat Rush 1 gal
- Nandina domestica `Lemon Lime` / Lemon Lime Heavenly Bamboo 5 gal
- Rosmarinus officinalis `Prostratus` / Dwarf Rosemary 1 gal
- '1'(6,*1'(9(/230(17

**FUTURE FOUNTAIN, TBD**
- Abutilon x hybridum / Flowering Maple 5 gal
- Achillea millefolium `Island Pink` / Island Pink Common Yarrow 1 gal
- Achillea millefolium `Sonoma Coast` / Sonoma Coast Common Yarrow 1 gal
- Athyrium filix-femina / Common Lady Fern 1 gal
- Berberis aquifolium repens / Creeping Oregon Grape 1 gal
- Calycanthus occidentalis / Spice Bush 5 gal
- Ceanothus griseus horizontalis `Diamond Heights` / Diamond Heights Carmel Creeper 5 gal
- Epilobium canum `Catalina` / Catalina Fuchsia 1 gal
- Epilobium canum `Marin Pink` / Marin Pink California Fuchsia 1 gal
- Epilobium canum latifolium `Everett`s Choice` / Everett`s California Fuchsia 1 gal
- Eriogonum fasciculatum / Common Buckwheat 1 gal
- Physocarpus capitatus `Siskiyou Beauty` / Siskiyou Beauty Pacific Ninebark 5 gal
- Ribes aureum / Golden Currant 1 gal
- Rosmarinus officinalis `Prostratus` / Dwarf Rosemary 1 gal
- '1'(6,*1'(9(/230(17

**ROOF TERRACE PLANTING**
- Bignonia capreolata / Cross Vine 5 gal
- Carex divulsa / European Grey Sedge 1 gal
- Hesperaloe x `Perfu` / Pink Parade Red Yucca 1 gal
- Lomandra longifolia `Breeze` TM / Breeze Mat Rush 1 gal
- Nandina domestica `Lemon Lime` / Lemon Lime Heavenly Bamboo 5 gal
- Rosmarinus officinalis `Prostratus` / Dwarf Rosemary 1 gal
- '1'(6,*1'(9(/230(17

**LOW WATER HYDROZONE**
- Mahonia `Soft Caress` / Oregon Grape 5 gal
- Polystichum munitum / Western Sword Fern 1 gal
- Salvia spathacea `Las Pilitas` / Hummingbird Sage 1 gal
- Satureja douglasii / Yerba Buena 1 gal
- Westringia fruticosa `Morning Light` / Morning Light Coast Rosemary 5 gal

**HIGH WATER HYDROZONE**
- Mahonia `Soft Caress` / Oregon Grape 5 gal
- Polystichum munitum / Western Sword Fern 1 gal
- Salvia spathacea `Las Pilitas` / Hummingbird Sage 1 gal
- Satureja douglasii / Yerba Buena 1 gal
- Westringia fruticosa `Morning Light` / Morning Light Coast Rosemary 5 gal

**MEDIUM WATER HYDROZONE**
- Mahonia `Soft Caress` / Oregon Grape 5 gal
- Polystichum munitum / Western Sword Fern 1 gal
- Salvia spathacea `Las Pilitas` / Hummingbird Sage 1 gal
- Satureja douglasii / Yerba Buena 1 gal
- Westringia fruticosa `Morning Light` / Morning Light Coast Rosemary 5 gal

**PLANTING NOTES**
1. The plant list provided for the incorporation of the Landscape Architecture and Planning, Inc. (Landscape Architecture) and is highly discouraged. The list was compiled with input from the Contractor and Owner's Representative.
2. In accordance with the specified plant materials, all plant materials shall be of the same species and variety.
3. Planting areas shall be kept clean and free from debris, trash and other obstructions. All plant material shall be used within the specified plant areas and removed to conform to the site plans.
4. Planting shall be performed at the Contractor's discretion, using a one or two-person team, depending on the size of the project. Planting shall be performed by the Contractor's representative.
5. See details for specific instructions by species, plant material, and installation requirements.
6. Import sapling (if required) shall be treated with a control treatment that is appropriate for the species. The Contractor shall use a control treatment that is appropriate for the species. The Contractor shall use a control treatment that is appropriate for the species.
7. Adjacent streets, sidewalks and other areas shall be kept free of mud, dirt or similar nuisances during plant installation.
8. Planting shall be performed during the Contractor's discretion, using a one or two-person team, depending on the size of the project. Planting shall be performed by the Contractor's representative.
9. soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications.
10. The Contractor shall verify all plant materials at the Contractor's discretion, using a one or two-person team, depending on the size of the project. Planting shall be performed by the Contractor's representative.
11. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications.
12. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications.
13. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications.
14. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications.
15. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications.
16. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications.
17. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications.
18. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications. Soil mixing shall be completed at various stages for projects that do not exceed the limitations of the site specifications.
**Irrigation Details**

1. **Main Sensor/ Shut-Off**
   - Techline elbow
   - 3/4" huck, per specs
   - PVC exhaust header, typ. or poly tube supply/exhaust header on grade
   - Blank techline tubing
   - Amended planting soil, per specifications
   - Techline 3/4" MPT adapter
   - Sch. 80 PVC Ell (SxT)
   - PVC lateral line
   - Manual line flushing ball valve
   - Techline elbow
   - 3/4" huck, per specs
   - PVC exhaust header, typ. or poly tube supply/exhaust header on grade
   - Blank techline tubing
   - Amended planting soil, per specifications
   - Techline 3/4" MPT adapter
   - Sch. 80 PVC Ell (SxT)
   - PVC lateral line
   - Manual line flushing ball valve

2. **Techline Start Connection**
   - Techline start connection
   - PVC exhaust header, typ. or poly tube supply/exhaust header on grade
   - Blank techline tubing
   - Amended planting soil, per specifications
   - Techline 3/4" MPT adapter
   - Sch. 80 PVC Ell (SxT)
   - PVC lateral line
   - Manual line flushing ball valve
   - Techline start connection
   - PVC exhaust header, typ. or poly tube supply/exhaust header on grade
   - Blank techline tubing
   - Amended planting soil, per specifications
   - Techline 3/4" MPT adapter
   - Sch. 80 PVC Ell (SxT)
   - PVC lateral line
   - Manual line flushing ball valve

3. **Techline Start Connection On Grade**
   - Techline start connection on grade
   - PVC exhaust header, typ. or poly tube supply/exhaust header on grade
   - Blank techline tubing
   - Amended planting soil, per specifications
   - Techline 3/4" MPT adapter
   - Sch. 80 PVC Ell (SxT)
   - PVC lateral line
   - Manual line flushing ball valve

4. **Inline Drip Irrigation On Grade**
   - Techline start connection on grade
   - PVC exhaust header, typ. or poly tube supply/exhaust header on grade
   - Blank techline tubing
   - Amended planting soil, per specifications
   - Techline 3/4" MPT adapter
   - Sch. 80 PVC Ell (SxT)
   - PVC lateral line
   - Manual line flushing ball valve

5. **NOTES:**
   - Install drip tubing and emitters on finished grade surface below bark mulch.
   - Affix all lines to ground using soil staples every 3' from start connection.
   - See legend for emitter and row spacing.
   - Install check valves on supply and exhaust headers where elevation meets/exceeds 4-1/2' & as needed to prevent low-head drainage.

6. **Rain Sensor/ Shut-Off**
   - Pedestal mounted irrigation rain sensor: Rain Bird RSD-CEX, or equal
   - 3/4" SCH. 40 riser extension (FIPT X MIPT) secured to enclosure with SCH. 40 nut
   - Wire to irrigation controller

7. **Drain Line Layout For Irregular Areas - Curves**
   - 4" round plastic valve box
   - Specified mulch level with top of valve box
   - Techline elbow
   - 3/4" huck, per specs
   - PVC exhaust header, typ. or poly tube supply/exhaust header on grade
   - Blank techline tubing
   - Amended planting soil, per specifications
   - Techline 3/4" MPT adapter
   - Sch. 80 PVC Ell (SxT)
   - PVC lateral line
   - Manual line flushing ball valve

**NOTES:**
- Install drip tubing and emitters on finished grade surface below bark mulch.
- Affix all lines to ground using soil staples every 3' from start connection.
- See legend for emitter and row spacing.
- Install check valves on supply and exhaust headers where elevation meets/exceeds 4-1/2' & as needed to prevent low-head drainage.
### Tree Form and Selection

1. Single central leader. **NEVER TOP THE TREE**

2. **WELL SPACED STRUCTURAL BRANCHES**
   - Good structural (largest branches on the tree) branch spacing and sizes. They should be spaced relatively evenly both longitudinally and laterally along the central leader (trunk).

3. Structural branches are attached to trunk at approximately 90° angles.

4. If a tree has multiple leaders they shall be preserved until after review by the Landscape Architect (L.A.). The L.A. and Landscape Contractor will decide together what leader to keep.

5. **NO HEADING CUTS SHALL BE USED ON PROJECT TREES.** Proper pruning techniques shall be employed on trees or they will be rejected (even after planting).

6. Broken and damaged branches shall be pruned out.

7. Branches low on the trunk shall be left on to protect young bark for 6 months-1 year.

8. Watersprouts and suckers shall be removed.

9. If the specified tree with proper structure cannot be found, the contractor may, at their expense, employ a licensed arborist to provide corrective pruning. Arborist and pruning plan to be approved by LA prior to pruning.

### Underground Details

1. Drainage required only for tree pits failing tree pit drainage test as described in the specifications.

2. Contractor to repeat tree pit drainage test after installation of drain chimney to ensure proper drainage.

### Mulch

1. Mulch shall be the depth and twice the width of the rootball. Plant so that top of rootball is 1" above finished grade. Remove all nursery stakes. Finish with 3" bark mulch per specifications.

2. Bark mulch, hold back 3" from crown.

### Tree Pit Drainage

1. Rootball

2. Bark mulch

3. Rootball

### Groundcover Planting

1. Planting bed, see specs. Tree or shrub bed per planting plan.
## Door Schedule

<table>
<thead>
<tr>
<th>No.</th>
<th>Location</th>
<th>Width</th>
<th>Height</th>
<th>Type</th>
<th>Finish</th>
<th>Material</th>
<th>Details</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Door Types

1. Entrance Sliding Door
2. Closet Door
3. Frame Door
4. Panel Door

### Materials Legend
- A: Aluminum
- F: Fiberglass
- D: Steel
- P: Wood
- T: Tempered Glass
- G: Glass
- M: Bronze
- N: Nickel
- S: Stainless Steel
- V: Vinyl

### Glass Legend
- Cl: Tempered Glass
- Clear Low-E Glass

### Notes:
- Door Frame Schedule
- Access - Door Signage & Hardware
- Unit Door Schedule

**Address:** 425 Humboldt Street, Santa Rosa, CA 95404

**Design Development Progress:** 5/21/12

---

**MATERIALS LEGEND**
- A: Aluminum
- F: Fiberglass
- D: Steel
- P: Wood
- T: Tempered Glass
- G: Glass
- M: Bronze
- N: Nickel
- S: Stainless Steel
- V: Vinyl

**NOTES:**
- Door Frame Schedule
- Access - Door Signage & Hardware

**UNIT DOOR SCHEDULE**

1. Entrance Sliding Door
2. Closet Door
3. Frame Door
4. Panel Door

**NOT FOR CONSTRUCTION**
### Mechanical General Notes

1. The mechanical general notes are subject to change without notice. 
2. The project engineer shall be consulted before any significant changes are made. 
3. The project engineer shall be consulted before any significant changes are made. 
4. All materials shall be selected in accordance with the latest standards and specifications. 
5. The mechanical general notes are subject to change without notice.

### Ducting Materials Schedule

**NOTES**

M-001

---

### Mechanical Schedules & Notes

**M-001**

---

### Mechanical Drawing List

---

---
MECHANICAL PLAN - FLOOR 3
MECHANICAL PLAN - FLOOR 7
### PLUMBING SYMBOLS

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td></td>
</tr>
<tr>
<td>J</td>
<td></td>
</tr>
<tr>
<td>K</td>
<td></td>
</tr>
<tr>
<td>L</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td></td>
</tr>
<tr>
<td>O</td>
<td></td>
</tr>
<tr>
<td>P</td>
<td></td>
</tr>
<tr>
<td>Q</td>
<td></td>
</tr>
<tr>
<td>R</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td></td>
</tr>
<tr>
<td>T</td>
<td></td>
</tr>
<tr>
<td>U</td>
<td></td>
</tr>
<tr>
<td>V</td>
<td></td>
</tr>
<tr>
<td>W</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Z</td>
<td></td>
</tr>
</tbody>
</table>

### PLUMBING EQUIPMENT AND CONNECTION SCHEDULE

<table>
<thead>
<tr>
<th>MARK</th>
<th>ITEM</th>
<th>MAKE / MODEL</th>
<th>DESCRIPTION / ACCESSORIES</th>
<th>NOTES / FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PLUMBING GENERAL NOTES

- All plumbing fixtures, systems, and equipment must comply with the applicable codes and standards, including the International Plumbing Code (IPC) and the Americans with Disabilities Act (ADA).
- Plumbing fixtures shall be installed in accordance with the manufacturer’s instructions and local plumbing codes.
- Plumbing systems shall be designed and installed to ensure proper drainage, ventilation, and flow.
- All plumbing connections shall be made using appropriate fittings and materials.
- Plumbing systems shall be tested for leakage and flow rate as required by the applicable codes and standards.
- Plumbing systems shall be insulated as required by the local plumbing codes.
- Plumbing systems shall be labeled and identified according to the applicable codes and standards.
- Plumbing systems shall be inspected and tested by a qualified plumber at the completion of the construction.

### SOLAR THERMAL WATER HEATING EQUIPMENT

<table>
<thead>
<tr>
<th>MARK</th>
<th>ITEM</th>
<th>MAKE / MODEL</th>
<th>DESCRIPTION / ACCESSORIES / OPTIONS</th>
<th>NOTES / FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PIPING SCHEDULE

<table>
<thead>
<tr>
<th>MARK</th>
<th>ITEM</th>
<th>MAKE / MODEL</th>
<th>DESCRIPTION / ACCESSORIES</th>
<th>NOTES / FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PLUMBING MATERIALS SCHEDULE

<table>
<thead>
<tr>
<th>MARK</th>
<th>ITEM</th>
<th>MAKE / MODEL</th>
<th>DESCRIPTION / ACCESSORIES</th>
<th>NOTES / FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PLUMBING DRAWING LIST

<table>
<thead>
<tr>
<th>MARK</th>
<th>ITEM</th>
<th>MAKE / MODEL</th>
<th>DESCRIPTION / ACCESSORIES</th>
<th>NOTES / FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### DESIGN DEVELOPMENT PROGRESS SET

- TEP Engineering
- 425 Humboldt Street
- Santa Rosa, CA 95401
- P-001