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SKA Project Number: 20705
CARNEROS VOLUNTEER FIRE STATION NO. 210
5260 OLD SONOMA RD. NAPA, CA 94559

100% CIVIL CD PLANS
NAPA COUNTY
CALIFORNIA

100% CIVIL CD PLANS
CARNEROS FIRE STATION 210
NAPA COUNTY
CALIFORNIA

VIGNETTE MAP

PROJECT INFORMATION

OWNER: NAPA COUNTY DEPARTMENT OF PUBLIC SUCCESSION SERVICES
SITE ADDRESS: 7630 OLD SONOMA ROAD
NOTICE: DRAWING ISSUE: 04/16/2021
ARCHITECT: SHAH KAWASAKI ARCHITECTS
ENGINEER: R.P. SHAH AND ASSOCIATES

DETAILED ENGINEERS:

CIVIL ENGINEER:
1. SHAH KAWASAKI

LANDSCAPE ARCHITECT:

1. KAWASAKI LANDSCAPE ARCHITECTS, INC.

ELECTRICAL ENGINEER:
1. TECHNICAL SERVICES

MECHANICAL AND PLUMBING ENGINEERS:
1. T. LITTMAN AND ASSOCIATES

MATERIALS:

1. R.S. CONSTRUCTION SUPPLY

SITE PLAN

SCALE: 1"=100'

SHEET INDEX

NO. DATE ISSUE DESCRIPTION

03/26/2021 60% CONSTRUCTION DRAWINGS

04/16/2021 95% CONSTRUCTION DOCUMENTS

05/10/2021 100% CD ISSUED FOR BID
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5260 OLD SONOMA RD. NAPA, CA 94559

COUNTY OF NAPA GENERAL NOTES

1. ALL SOIL EROSION AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE INSTALLATION AND MAINTENANCE STANDARDS ISSUED BY THE COUNTY OF NAPA GENERAL NOTES.

2. ALL SOIL EROSION AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE INSTALLATION AND MAINTENANCE STANDARDS ISSUED BY THE COUNTY OF NAPA GENERAL NOTES.

3. ALL SOIL EROSION AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE INSTALLATION AND MAINTENANCE STANDARDS ISSUED BY THE COUNTY OF NAPA GENERAL NOTES.

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CARNEROS VOLUNTEER FIRE STATION NO. 210
STATION NO. 210
5260 OLD SONOMA RD. NAPA, CA 94559

C-003

EXISTING CONDITIONS & DEMOLITION PLAN
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VARIES

C-005A

GRADING PLAN

C-005A

GRADED AREA DESIGN

GRADED AREA DESIGN

NOTE

NOTE
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C-006
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NONE

C-007A DETAIL

NOT TO SCALE

NOTE TO SCALE

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SKA Project Number: 20705
CARNEROS VOLUNTEER FIRE
STATION NO. 210
5260 OLD SONOMA RD. NAPA, CA 94559

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<td>05/10/2021</td>
<td>100% CD ISSUED FOR BID</td>
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</tbody>
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C-007B
DETAILS

320 GAL. OIL / SAND SEPARATOR DETAIL

SEPTIC PUMP TANK DETAIL

FLOW METER DETAIL
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1. ABOVE GROUND INSTALLATION IS MANDATORY FOR REDUCED PRESSURE BACKFLOW DEVICE.
2. REDUCED PRESSURE BACKFLOW DEVICES MUST BE INSTALLED IN A TRUE HORIZONTAL POSITION.
3. BACKFLOW DEVICES MUST BE PROTECTED FROM TRAFFIC HAZARD BY LOCATION OR BARRIERS.
4. ALL CONNECTIONS ARE ALIGNED BETWEEN METER AND THE BACKFLOW DEVICE CONNECTED TO IT.
5. INSTALLATION OF BACKFLOW DEVICES MUST BE APPROVED BY THE CITY WATER DIVISION CROSS CONNECTION SPECIALIST.
6. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
7. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
8. ANY TOOLS OR EQUIPMENT MOUNTED ON INSTALLATION MUST BE APPROVED AS NECESSARY BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
9. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
10. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
11. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
12. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
13. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
14. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
15. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
16. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
17. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
18. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
19. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
20. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
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SKA Project Number: 20705

CARNEROS VOLUNTEER FIRE STATION NO. 210
5260 OLD SONOMA RD. NAPA, CA 94559

STORMWATER CONTROL PLAN / ESCP

DRAWN TO SCALE

STORMWATER CONTROL PLAN C-008
PLANTING NOTES

1. Prior to commencement of planting the contractor shall notify the owner of all underground utilities, survey markers, and any other data points specified on the 3-D survey.

2. The contractor shall ensure that the site is adequately prepared for planting, including the proper installation of irrigation systems, drainage systems, and other necessary amenities.

3. All trees shall be reconditioned and provide a minimum of 50% root ball volume to ensure proper root development.

4. Each tree shall be marked with a tag containing the tree species, size, and date of planting.

5. The contractor shall provide a planting schedule that includes the date of planting, the species of trees, and the location of each planting area.

6. The contractor shall provide a maintenance schedule that includes the frequency of irrigation, weeding, and pruning.

7. The contractor shall provide a guarantee of at least 5 years for all planted trees.

SOILS MANAGEMENT NOTES

A. The following soils amendments and fertilizers shall be used, as recommended by the consultant. The consultant shall provide a detailed report on soil analysis and recommendations for soil amendments.

B. The contractor shall provide and install all necessary equipment and materials for soil amendments and fertilizers. The contractor shall also monitor and report on the effectiveness of these amendments.

C. The contractor shall provide a detailed report on the effectiveness of the soil amendments and fertilizers, including any adjustments that may be necessary for future plantings.

D. The contractor shall provide a guarantee of at least 5 years for all planted trees, including the effectiveness of soil amendments and fertilizers.

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SKA Project Number: 20705
CARNEROS FIRE STATION 210
OLD SONOMA ROAD, NAPA, CA
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OLD SONOMA ROAD, NAPA, CA

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MATCH LINE SEE SHEET L-101
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CARNEROS FIRE STATION 210
OLD SONOMA ROAD, NAPA, CA

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NOTES:
1. INSTALL SCREW ANCHORS PER MANUFACTURER’S INFORMATION AND ICC REPORT.
2. CONTRACTOR TO VERIFY MINIMUM BOND DISTANCES, SPACINGS AND THICKNESSES ARE IN ACCORDANCE WITH SCHEDULE PRIOR TO INSTALLING ANCHORS.
3. HOLES TO BE DRILLED IN ROTARY DRILL ONLY. WHEN INSTALLING SKAGIS IN ANCHORS INSPECTED PERMANENT CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A REASONABLE CLEARANCE BETWEEN REINFORCING BARS AND THE DRILLED IN HOLE DEPTH.
4. THE SPECIAL INSPECTOR SHALL PERFORM PERIODIC/CONTINUOUS INSPECTION IN ACCORDANCE WITH SCHEDULE PRIOR TO INSTALLING ANCHOR.
5. THE SPECIAL INSPECTOR SHALL PERFORM PERIODIC/CONTINUOUS INSPECTION IN ACCORDANCE WITH SCHEDULE PRIOR TO INSTALLING ANCHOR.
6. SPECIAL INSPECTOR IS REQUIRED FOR MANUFACTURERS INFORMATION AND ICC REPORT.

Screw Anchor in Concrete

Anchor Szs: 3/4" - 1" 3/4" = 1'-0"

Adhesive Anchor in Concrete

Anchor Szs: 3/4" - 1" 3/4" = 1'-0"

Footings Construction Joint

Typical Housekeeping Pad at Slab on Grade

Staking Stakes at Footing
ATTACHMENT OF NON-BEARING STUDS TO STEEL BEAM

24" oc MIN STUD SPAN/3 MIN
WHICHEVER IS SMALLER

1/2" SCREW ATTACHMENT

OPTIONAL ATTACHMENT B

(2) #8 SMS PER BLK
MTL STUD

OPTIONAL ATTACHMENT A

(4) #8 SMS
PER BLK
ALT CONN

TYPICAL STUD PUNCHOUT

10" MIN TO FIRST PUNCH-OUT TAB
ON соседних сторонах СТУД

HORIZONTAL BRACING

NOTE:
1. BRIDGING MAY BE PER OPTION 1 OR 2.
2. PROVIDE BRIDGING @ 4'-0"oc.
3. PROVIDE BRIDGING AT LOCATIONS INDICATED ON DRAWINGS OR OTHER DETAILS
4. BRIDGING IS NOT REQUIRED WHERE PROPERLY ATTACHED SHEATHING MAY VARY; NOT TO EXCEED MAX NOTE:
5. PROVIDE BLOCKING PER OPTION 2 AT LOCATIONS INDICATED ON DRAWINGS OR OTHER DETAILS

OPTIONAL ATTACHMENT A

OPTIONAL ATTACHMENT B

ATTACHMENT, BOTH SIDES TYP EA STUD OR TRACK
STUD OR JOIST TO TRACK

#8 SMS AT 32"oc
TYP STUD/TRACK PUNCHOUT

MIN STUDS TO HAVE FULL
NOTE:
1" = 1'-0"

BEARING ON TRACK TYP
SMOOTH CUT, r = a/2
a = 0.7d MAX

STUD SPAN/3 MIN
WHICHEVER IS LARGER THAN 2.67a MAX OR 6"

OPTION 1

STUD OR TRACK
TYP STUD
#8 SMS AT 32"oc
ROULLED @ 16"oc OR ALT WELD

OPTION 2

STUD OR TRACK
TYP TRACK
#8 SMS AT 32"oc
ROULLED @ 16"oc OR DEFLECTION TRACK

2" LARGER THAN STUDS TO STUD
STUDS TO STUD
TYP TRACK
#8 SMS AT 32"oc

ATTACHMENT TO SIDE

REPAIR AT PUNCH-OUT

MISCELLANEOUS

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S-005

FOR PERMIT
FOUNDATION PLAN NOTES:
1. REFER TO SHEETS S-001, S-002, S-003, S-004, AND S-005 FOR GENERAL NOTES AND TYPICAL DETAILS. THE FOLLOWING DETAIL REFERENCES ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL GENERAL NOTES AND TYPICAL DETAILS NOTED ABOVE ARE APPLICABLE AND SHALL BE FOLLOWED.
2. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
3. REFER TO CURB PLAN CURB LOCATIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
4. PLUMBING AND ELECTRICAL CONDUIT AND GROUND STRAP SHALL NOT BE LAID WITHIN FOUNDATIONS. NO UTILITY PIPES OR CONDUITS SHALL BE LOCATED WITHIN FOUNDATION FOOTINGS OR FOUNDATION. NO VERTICAL OR HORIZONTAL PIPES OR CONDUITS SHALL BE LOCATED WITHIN FOUNDATION OR FOUNDATION. PROVIDE FURRING AND/OR THICKENED CONCRETE WHERE REQUIRED TO CLEAR UTILITY SYSTEMS. NOTIFY STRUCTURAL ENGINEER/ARCHITECT PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.
5. PIPES THROUGH FOUNDATIONS SHALL BE PERF. AND REMOVED.
6. PIPES PARALLEL TO FOUNDATIONS SHALL BE PROPERLY LOCATED.
7. PIPES AT SLAB ON GRADE SHALL BE PER.

PLAN LEGEND:
- INDICATES FOUNDATION.
- INDICATES COLUMN.
- INDICATES X-BRACE (TENSION ONLY).
- INDICATES CAREFUL LOCATION OF COLUMNS, FLOOR OR ROOF SYSTEMS.
- INDICATES CONCRETE SLAB.
- INDICATES GRID LINE AT CENTERLINE OF COLUMN.
- INDICATES STEP IN ELEVATION, SEE ARCHITECTURAL DRAWINGS.
- INDICATES ELEVATION.
- INDICATES STEEL COLUMN.
- INDICATES STEEL BRAZED FRAME ABOVE.
- INDICATES FOUNDATION.
- INDICATES GRIDLINE AT CENTERLINE OF COLUMN.
- INDICATES X-BRACE (TENSION ONLY).
- INDICATES ELEVATION.

PAD FOOTING SCHEDULE:

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<th>MARK</th>
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<tbody>
<tr>
<td>F3.0</td>
<td>3'-0&quot; SQ x 18&quot; DEEP (4) #5 T&amp;B EW</td>
<td></td>
</tr>
<tr>
<td>F4.0</td>
<td>4'-0&quot; SQ x 24&quot; DEEP (5) #5 T&amp;B EW</td>
<td></td>
</tr>
<tr>
<td>F4.0A</td>
<td>4'-0&quot; x 6'-0&quot; x 24&quot; DEEP (5) #5 T&amp;B EW</td>
<td></td>
</tr>
</tbody>
</table>

METAL BUILDING DESIGN REQUIREMENTS:
- COLUMN SHAPE SHALL BE SHOWN ON PLAN.
- SEISMIC FORCE RESISTING SYSTEM SHALL BE LOCATED AS SHOWN ON PLAN.
- X-BRACE INDICATES X-BRACE (TENSION ONLY).
- COLUMN SHAPE SHALL BE SHOWN ON PLAN.
- X-BRACE INDICATES X-BRACE (TENSION ONLY).
PER SCHED
COL, BASE £, AB'S
& CONC PAD
(2) #5 HAIRPINS
PER PLAN IN
TOP 4"
PAD GRADE
REINF PER PLAN
& SCHED
FTG BEYOND
W/ CONT REINF
PER
(2) #4      @ 9" GA
EW CENTERED
ON COL
3" TYP
FTG & SLAB ONE
POUR OPTION OR
ROUGHEN JOINT
& SAD
BY MBM

TYPICAL ANCHOR BOLT
TOP OF SLAB
£ WASHER Í"x3" SQ
THRUST ANGLE CONFIGURATIONS
(SEE PLAN)
OF MB
& FRAME ABV
OF MB
& FRAME ABV
EDGE OF
CONC SLAB
EDGE OF
CONC SLAB
(4) AB (MBM TO VERIFY)
UNO ON PLAN
GRID
CURB WHERE
OCCURS
7' -0"
1
1
FULL DEPTH
CONC BLW
SLAB AT
PAD FTG
2
S-500
__________
A
B
EMBED
12" MIN
Ó"ø ASTM F1554 GR36 AB
1 1/2" MIN
2" MAX
8"
ALL FOUNDATION AND ANCHORAGE/EMBEDMENT CONNECTION
INFORMATION PROVIDED FOR METAL BUILDING IS ESTIMATED AND
SUBJECT TO CHANGE ONCE METAL BUILDING COLUMN REACTIONS,
ANCHOR BOLT PLANS AND DRAWINGS HAVE BEEN SUBMITTED FOR
REVIEW AND COORDINATION
PAD GRADE AS
SPECIFED BY
GEOTECH
ASTM A36 L3x3xÍ x 0'-7"
7'-0"
1
1
1 1/2"
1/2" RADIUS OR
THRESHOLD ANGLE, SAD
EXT SLAB, SAD
Í"ø x 32" SMOOTH
ROD @ 16"oc AT
DOOR OPNG (3
MIN)
GLAZING OR DOOR, SAD
#4         @ 24"oc
CONC SLAB PER PLAN
# 4 CONT
FOR INFORMATION
NOT NOTED SEE
S-500
24"
EXT SLAB, SAD
Ñ"ø x 32" SMOOTH
ROD @ 16"oc AT
DOOR OPNG (3 MIN)
APPARATUS BAY DOOR
#4         @ 24"oc
# 4 CONT
FOR INFORMATION
NOT NOTED SEE
S-500
24"
EXT SLAB, SAD
NOTE TYP SLAB AND
CURB REINF NOT
SHOWN FOR CLARITY
NOTE: If this drawing is not 34"x22" it has been revised from its original size and
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ISSUE DESCRIPTION
DATE NO.
CARNEROS VOLUNTEER FIRE
STATION NO. 210
5260 OLD SONOMA RD, NAPA, CA 94559
60% CONSTRUCTION DRAWINGS 03/26/2021
95% CONSTRUCTION DOCUMENTS 04/16/2021
100% CD ISSUED FOR BID 05/10/2021
5/7/2021 3:15:00 PM \zfa.com\SR\Projects\2019\19627  County of Napa Carneros Fire Station\Drawings\19627_NAPA CARNEROS SF_S20.rvt
NOTE: SEE STRUCTURAL DRAWINGS FOR CONTROL JOINT DETAILS

CONTROL JOINT & CURB PLAN

NOTE: SEE STRUCTURAL DRAWINGS FOR CONTROL JOINT DETAILS
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Figure 1

M L K J H G F E D C B A

NOTE: See General Notes, Project Data, Symbol Legend and Abbreviations on Sheet A-001 and A-002

11.00 EXPANSION JOINTS
12.00 PRE-ENGINEERED BUILDING STUCCO
13.00 PRE-ENGINEERED BUILDING BRACING
19.00 EXHAUST FAN, SMD
22.00 UNIT HEATER, SMD
26.00 SUSPENDED LINEAR LIGHT FIXTURE
26.00 CEILING MOUNTED LINEAR LIGHT FIXTURE
26.01 CEILING MOUNTED ANTI-MOIST LIGHT FIXTURE

KEY NOTES

1. VIEW 1: CUSTOM PTD STEEL PLATE JAMBS AND HEAD, E P-2
2. VIEW 2: STEEL PLATE, 26 GAUGE
3. VIEW 3: 3/8" CUSTOM PTD STEEL PLATE JAMBS AND HEAD, E P-2
4. VIEW 4: STEEL PLATE, 26 GAUGE
5. FOR LIGHT FIXTURES, EQUALLY SPACED AND CONSIDERED AS ENCLOSURES, SEE SCHEDULE 1000 FOR TOTAL QUANTITY OF LIGHT FIXTURES SHOWN
6. FOR BUILDING INFORMATION LIGHT FIXTURE LOCATIONS, SEE GENERAL INFORMATION 1000

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REFLECTED CEILING PLAN

CARNEROS VOLUNTEER FIRE STATION NO. 210
5260 OLD SONOMA RD. NAPA, CA 94559

REFLECTED CEILING PLAN A-131

ARCHITECTS

1/4" = 1'-0"
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13.003 PRE-ENGINEERED BUILDING 4" INSULATED METAL ROOF PANELS, EP-3
13.005 PRE-ENGINEERED BUILDING GUTTERS, EP-2
13.006 PRE-ENGINEERED BUILDING DOWNSPOUTS, EP-1
26.013 SOLAR READY ZONE (346.5 SF), SED

---

SHEET NOTES

1. FOR ROOF PENETRATIONS, SED, SMD, SPD
2. ALL PENETRATIONS THROUGH ROOF SHALL BE FLASHED AND SEALED WATER-TIGHT
3. ALL ITEMS ABOVE ROOF SHALL BE PAINTED EP-3 TO MATCH ROOF PANEL COLOR
4. ROOFING SHALL COMPLY WITH CALGRED A106.11.2 COOL ROOFING, CEC TITLE 24 SECTIONS 110.8 AND 140.3. SEE ALSO SPEC SECTION 07 50 00
5. PV SOLAR READY ZONE IS BASED ON TYPICAL PV PANEL SIZES. PV PANELS NOT IN PROJECT SCOPE

---

CALIFORNIA ENERGY COMMISSION SOLAR READY CALCULATIONS:

TOTAL ROOF AREA (A): 2,073 SF
AREA COVERED W/SKYLIGHTS (B): 0 SF
MINIMUM SOLAR AREA CALCULATION:
\[ 0.15 \times (A - B) = C \]
\[ 0.15 \times (2,073 - 0) = 311 SF \]
ACTUAL SPACE ALLOTTED FOR PHOTOVOLTAIC PANELS: 346.5 SF

---

CARNEROS VOLUNTEER FIRE STATION NO. 210
5260 OLD SONOMA RD. NAPA, CA 94559

1/4" = 1'-0" RE: A1/ A-201

KEY NOTES

1.100 PRE-ENGINEERED BUILDING 4" INSULATED METAL ROOF PANELS, EP-3
1.105 PRE-ENGINEERED BUILDING GUTTERS, EP-2
1.110 PRE-ENGINEERED BUILDING DOWNSPOUTS, EP-1
20.013 SOLAR READY ZONE (346.5 SF), SED

---

NOTE: For plots larger than 17"x22" or for plots larger than 34"x22" with a plot size = 17"x22", the scales noted on the plot will not be applicable.
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EXTERIOR ELEVATIONS

A-301 A-14 A-301

RIDGE
22' - 10 3/4"

KEY NOTES

03.001 CONCRETE CURB - 6" HIGH X 8" WIDE (CO-2), SSD

05.009 3/8" CUSTOM PTD STEEL PLATE INFILL PANEL, EP-2

05.011 3/8" CUSTOM PTD STEEL PLATE JAMBS AND HEAD, E P-2

08.004 ALUMINUM SECTIONAL DOOR WITH INSULATED GLASS LIGHT AND INSULATED METAL INFILL PANELS

08.005 ALUMINUM STOREFRONT WINDOW WITH 1" IGU (AL-1, GL-2) (ADD ALTERNATE)

10.007 9" CAST ALUMINUM BUILDING ID LETTERS (ADD ALTERNATE)

13.003 PRE-ENGINEERED BUILDING 4" INSULATED METAL ROOF PANELS, EP-3

13.005 PRE-ENGINEERED BUILDING GUTTERS, EP-2

13.006 PRE-ENGINEERED BUILDING DOWNSPOUTS, EP-1

13.009 INSULATED METAL PANEL JOINT, TYP.

23.001 42"X46" MOTORIZED VENTILATION LOUVER, EP-1, SMD

23.002 42"X46" EXHAUST LOUVER, EP-1, SMD

26.004 AUTOMATIC TRANSFER SWITCH, SED (ADD ALTERNATE)

26.005 AT&T BOX, SED

26.006 DISTRIBUTION PANEL, SED

26.007 SPACE FOR FUTURE SOLAR INVERTER, SED

26.008 LIGHT FIXTURE, SED

26.012 DOOR BELL, SED

26.016 FUTURE PHOTOVOLTAIC DISCONNECT

32.001 IRRIGATION CONTROLLER, SLD

33.001 SEWER LIFT STATION ALARM PANEL, SCD

SHEET NOTES

1. SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND AND ABBREVIATIONS ON SHEET A-001 AND A-002

2. SEE FINISH MATERIALS LEGEND ON A-601

3. FOR WINDOWS AND DOORS, SEE SCHEDULES ON A-601

4. ALL EXTERIOR WALL PANELS, ROOF PANELS, GUTTERS, DOWNSPOUTS AND, FASCIA AND FLASHING ARE BY PRE-ENGINEERED BUILDING MANUFACTURER

5. ALL EXPOSED ELECTRICAL PANELS, TELECOM PANELS, CONDUITS AND OTHER WALL MOUNTED ITEMS, SHALL BE PAINTED TO MATCH WALL COLOR, UNO

NO. DATE ISSUE DESCRIPTION

03/26/2021 60% CONSTRUCTION DRAWINGS

04/16/2021 95% CONSTRUCTION DOCUMENTS

05/10/2021 100% CD ISSUED FOR BID

CARNEROS VOLUNTEER FIRE STATION NO. 210
5260 OLD SONOMA RD. NAPA, CA 94559

1/4" = 1'-0" RE: A1/ A-121

SKA Project Number: 20705
**Mechanical and Plumbing Schedules**

### Mechanical Schedule

**Units**

<table>
<thead>
<tr>
<th>No.</th>
<th>Model</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Price</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>123</td>
<td>Thermostat</td>
<td>5</td>
<td>Unit</td>
<td>$100</td>
<td>$500</td>
</tr>
<tr>
<td>2</td>
<td>A1</td>
<td>Valve</td>
<td>10</td>
<td>Unit</td>
<td>$20</td>
<td>$200</td>
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</tbody>
</table>

**Plumbing Schedule**

<table>
<thead>
<tr>
<th>Schedule Type</th>
<th>Name</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixtures</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Piping</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### General Notes for Fire Sprinklers - ADD ALTERNATE

- All sprinkler systems shall be installed in accordance with the latest edition of the National Fire Protection Association (NFPA) standards.
- Sprinkler heads shall be color-coded to indicate the spray pattern and flow rate.
- Sprinkler piping shall be coated with fire-resistant paint.

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**Legend:**

- **Red:** Hot Water
- **Blue:** Cold Water
- **Green:** Fire Sprinkler
- **Yellow:** Drain
- **Black:** Vent
- **White:** Supply

---

**Notes:**

- All dimensions are in inches unless otherwise noted.
- All materials shall meet the American Society of Mechanical Engineers (ASME) and American National Standards Institute (ANSI) standards.

---

**Signatures:**

- Architect of Record: [Signature]
- Consultant: [Signature]
**Sheet Notes**

1. SEE Civil Drawings for Continuation. Verify Location Prior to Rough.
2. Install Exhaust Fan in Ceiling. See Detail 1/MP-201.
3. Install Exhaust Fan as High as Possible Above Floor. See Detail 3/MP-201.
5. Install Wall Louver. See Detail 4/MP-201.
6. Provide an Alternate to Install Fire Sprinkler Riser. See Detail 5/MP-201.
8. Install Wall Detail. Connect 1" W., 1 1/2" V., 1/2" CW and 1/2" Min.
9. Install Floor Drain. Connect 1" W., 1 1/2" V., and 1/2" CW from Trap Primer.
10. Install Trap Primer Before Access Panel in Wall. Connect 1/2" CW and Run 1/2" CW to FD. Install Manifold as Needed for Multiple Floor Dumps.
11. Install Heavy Duty Floor Drain. Connect 1" W. and 1 1/2" V.
12. Install Hose Bibb with Non-Removable Vacuum Breaker. Connect 1/2" CW.
13. Install WC. Connect 1" W., 1 1/2" V., and 1/2" CW.
15. Install Thermostat on Beam with Isolation Pad.
17. Install Trap Primer on Wall. Connect 1/2" CW and Run 1/2" CW to FD. Install Manifold as Needed for Multiple Floor Drains.
NOTE: If this drawing is not 34"x22" it has been revised from its original size and the scales noted on drawing/details are no longer applicable.

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CARNEROS VOLUNTEER FIRE STATION NO. 210
5260 OLD SONOMA RD. NAPA, CA 94559

Leffler Engineering Inc.
1651 Second Street
San Rafael, CA 94901
(415) 456-4220
(415) 456-1248 fax

03/26/2021
60% CONSTRUCTION DRAWINGS

04/16/2021
95% CONSTRUCTION DOCUMENTS

05/10/2021
100% CD ISSUED FOR BID

Plumbing and Mechanical details

MP-301
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**CARNEROS VOLUNTEER FIRE STATION NO. 210**

**5260 OLD SONOMA RD. NAPA, CA 94559**

**ELECTRICAL DETAILS E-004**

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**NOTES:**

1. **UNDERGROUND CONDUITS AND TRANSITION TO ABOVE GRADE/SLAB**
   - PVC ELBOWS ALLOWED IF TOP OF ELBOW IS MINIMUM 18" BFG OR BELOW TOP OF SLAB, OTHERWISE GRS, TAPE WRAPPED, ELBOWS ARE REQUIRED.
   - GRS ELBOWS ARE REQUIRED IF CONDUIT RUN IS 150' GREATER.
   - GRS RISERS ARE REQUIRED FROM ELBOW BELOW GRADE TO EQUIPMENT (DEVICE, OUTLET, PANEL, CABINET, ETC.) ABOVE GRADE.
   - GRS ELBOWS/RISERS TO BE TAPED WRAPPED (1/2" LAPPED) TO 3" ABOVE FINISH GRADE OR TOP OF SLAB.

---

**GENERATOR MANUFACTURER INSTALLATION GUIDELINES**

**SCALE: NTS (ADD ALTERNATE)**

---

**GENERATOR MOUNTING DETAIL**

**SCALE: NTS (ADD ALTERNATE)**

---

**UNDERGROUND CONDUITS AND TRANSITION TO ABOVE GRADE/SLAB**

**SCALE: NTS (ADD ALTERNATE)**
1. 4" WEATHERHEAD FOR PG&E OVERHEAD SECONDARY CONNECTION.

2. GROUND CONDUCTOR (IN CONCRETE) TO GROUND REE SATISFY WALL.

3. COMBINATION METER/MAIN PER SINGLE LINE DIAGRAM.

4. 4"X6"X10FT PRESSURE TREATED REDWOOD POST.

5. 2"X6" REDWOOD BOARDS THROUGH BOLTED TO POSTS WITH STAINLESS STEEL CARRIAGE BOLTS.

6. SET POSTS IN (MIN) 6" GRAVEL BED. COMPACT TO 90%.

7. 400 AMP FEEDER TO DISTRIBUTION PANEL AT FIRE STATION BUILDING.

8. COORDINATE WITH PANELBOARD MANUFACTURER FOR MOUNTING LOCATION AND PROVIDE 4X6 REDWOOD PRESSURE TREATED TIMBER AND STAINLESS STEEL CARRIAGE BOLT BETWEEN POST. (TYPICAL)
CONDUIT SYSTEMS NOTES

GENERAL SITE PLAN NOTES

A. Utility company contacts before construction: coordinates & verify all utility company requirements.

B. Reference notes:

1. Trenching and backfilling for all conduit systems shall be the responsibility of the electrical contractor. All conduits shall be run minimum cover requirements as specified in 2021 NEC. Where trenching requirements may be imposed by utility company and/or this specification, joint trenches may be required.

2. Locations of existing underground gas utilities shall be determined by calling underground gas to verify the location of any underground gas and/or electrical underground service, which may be at a location other than shown on the construction plans.

3. Membrane required clearance from all sanitary sewer, water, and storm drain systems. Refer to civil plans for exact locations and depth of pipes.

4. All site utility work shall be installed per the utility company issued construction drawings and specifications. No utility work performed without prior utility company approval shall be done at the contractor's risk.

5. E-101 Electrical Site Plan

6. North - 1/16"=1'-0""
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Consultant
Architect of Record

SKA Project Number: 20705

EXPIRES: 06/30/21

THOMA #20-8078

A R E T M A.

San Luis Obispo, CA 93406
P.O. Box 1167 - 3562 Empleo St.

THOMA ELECTRIC, INC.
Phone: (805) 543-3850
cad@thomaelec.com
Fax: (805) 543-3829

May 10, 2021 - 11:39am - chris - K:\ENG\2020\20-8078\20-8078_E-201_ENERGY COMPLIANCE FORMS.dwg

CARNEROS VOLUNTEER FIRE STATION NO. 210
5260 OLD SONOMA RD. NAPA, CA 94559

INTERIOR LIGHTING
ENERGY COMPLIANCE FORMS