

VICINITY PLAN

NOT TO SCALE



UPS OAKLAND CA

8400 PARDEE DRIVE OAKLAND, CA 94621

PROJECT LOCATION

LOCATION PLAN NOT TO SCALE

NOT FOR CONSTRUCTION 05/25/23

| | - |
|--------------|--------------------|
| SHEET NUMBER | |
| G-00 | COVER S |
| | |
| SHEET NUMBER | |
| C-01 | EXISTING |
| C-02 | PROPOS |
| C-03 | PROPOSI CONTROI |
| C-04 | YARD PI |
| C-05 | ABOVE (|
| C-06 | STANDA |
| | |
| SHEET NUMBER | |
| M-01 | LEGEND, |
| M-02 | AST SIG |
| M-03 | SITE PLA |
| M-04 | GASOLIN |
| M-05 | AST FUE |
| M-06 | GASOLIN |
| M-07 | PACKAG |
| M-08 | SUPPOR |
| | |
| SHEET NUMBER | |
| E-01 | ELECTRIC |
| E-02 | SITE PLA |
| E-03 | POWER |
| E-04 | LIGHTING |
| E-05 | AREA CL |
| E-06 | GROUND |
| E-07 | ELECTRI |
| E-08 | LIGHT P |
| E-09 | ELECTRI |
| E-10 | ELECTRICA |
| F 44 | |

E—11

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| | LEGAL ENTITY: ARCADIS U.S., INC. |
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| | SEALS |
| | SUPPROFESSIONAL CHARTER |
| | (₩ No. M-35756)∰ |
| | OF CALIFORNIT |
| | 5/25/2023 |
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| | UPS OAKLAND, CALIFORNIA |
| INDEX TO DRAWINGS | |
| | |
| GENERAL SHEET LIST | |
| SHEET NAME | |
| COVER SHEET | |
| CIVIL SHEET LIST | |
| SHEET NAME | |
| EXISTING SITE PLAN | |
| PROPOSED SITE PLAN | |
| PROPOSED GRADING PLAN & EROSION AND SEDIMENT | |
| CONTROL PLAN | |
| YARD PIPING PLAN | |
| ABOVE GROUND STORAGE TANK PAD | |
| STANDARD STRUCTURAL DETAILS | |
| MECHANICAL SHEET LIST | 2 05/25/23 ISSUED FOR PERMIT AAZ |
| SHEET NAME | 103/22/23CLIENT REVIEWAAZNO.DATEISSUED FORBY |
| LEGEND, SYMBOLS AND ABBREVIATIONS | |
| AST SIGNAGE DETAILS | COPYRIGHT: ARCADIS U.S., INC. 2023 |
| SITE PLAN | |
| GASOLINE DISPENSING SYSTEM SCHEMATIC, PROCESS FLOW | DATE: <u>MAY 2023</u> PROJECT NO.: 30136437 |
| AST FUEL LAYOUT AND HOSE DISPENSERS | FILE NAME: $G=0$ |
| GASOLINE TANK & EQUIPMENT DETAILS | DESIGNED BY: A. AZZAWI |
| PACKAGED CAR FUELING DISPENSER DETAILS | DRAWN BY: <u>K. GULDAGAD</u> |
| SUPPORT DETAILS | CHECKED BY: <u>A. AZZAWI</u> |
| ELECTRICAL SHEET LIST | SHEET TITLE GENERAL |
| SHEET NAME | O EIVE |
| ELECTRICAL SYMBOLS AND NOTES | COVER SHEET |
| SITE PLAN | OUVER SHEET |
| POWER PLAN | |
| LIGHTING PLAN | |
| AREA CLASSIFICATION PLAN | |
| GROUNDING DETAILS | |
| ELECTRICAL DETAILS | 00115 |
| LIGHT POST DETAILS | SCALE: NTS |
| ELECTRICAL CONDUIT AND CABLE SCHEDULE | 0 00 |
| ELECTRICAL ONE-LINE AND PANEL SCHEDULE | G-00 SHEET 01 OF 27 |
| WET FUEL CONTROLS GENERAL RISE DIAGRAM | |

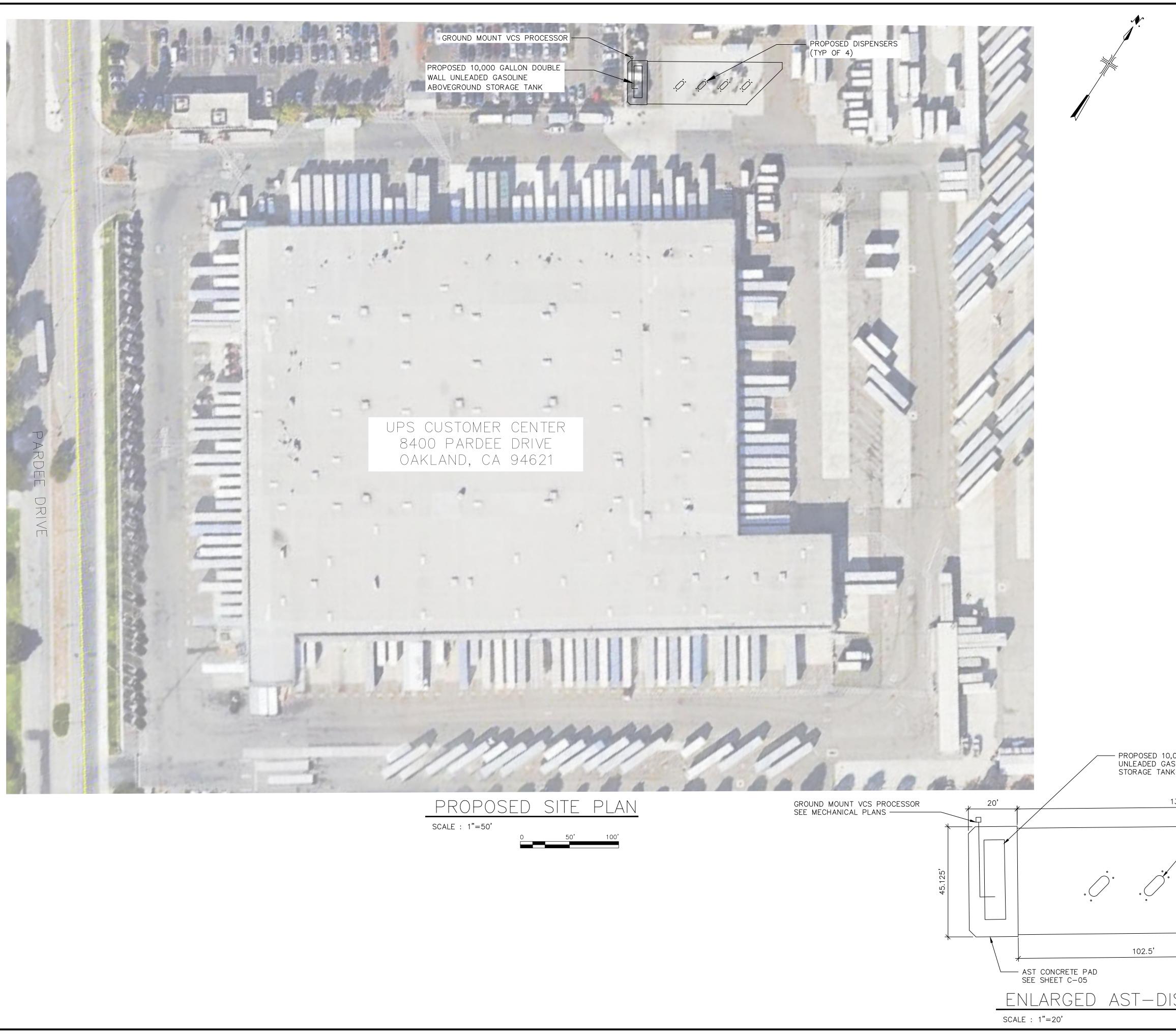


| | EXISTING | SITE | PLAN |
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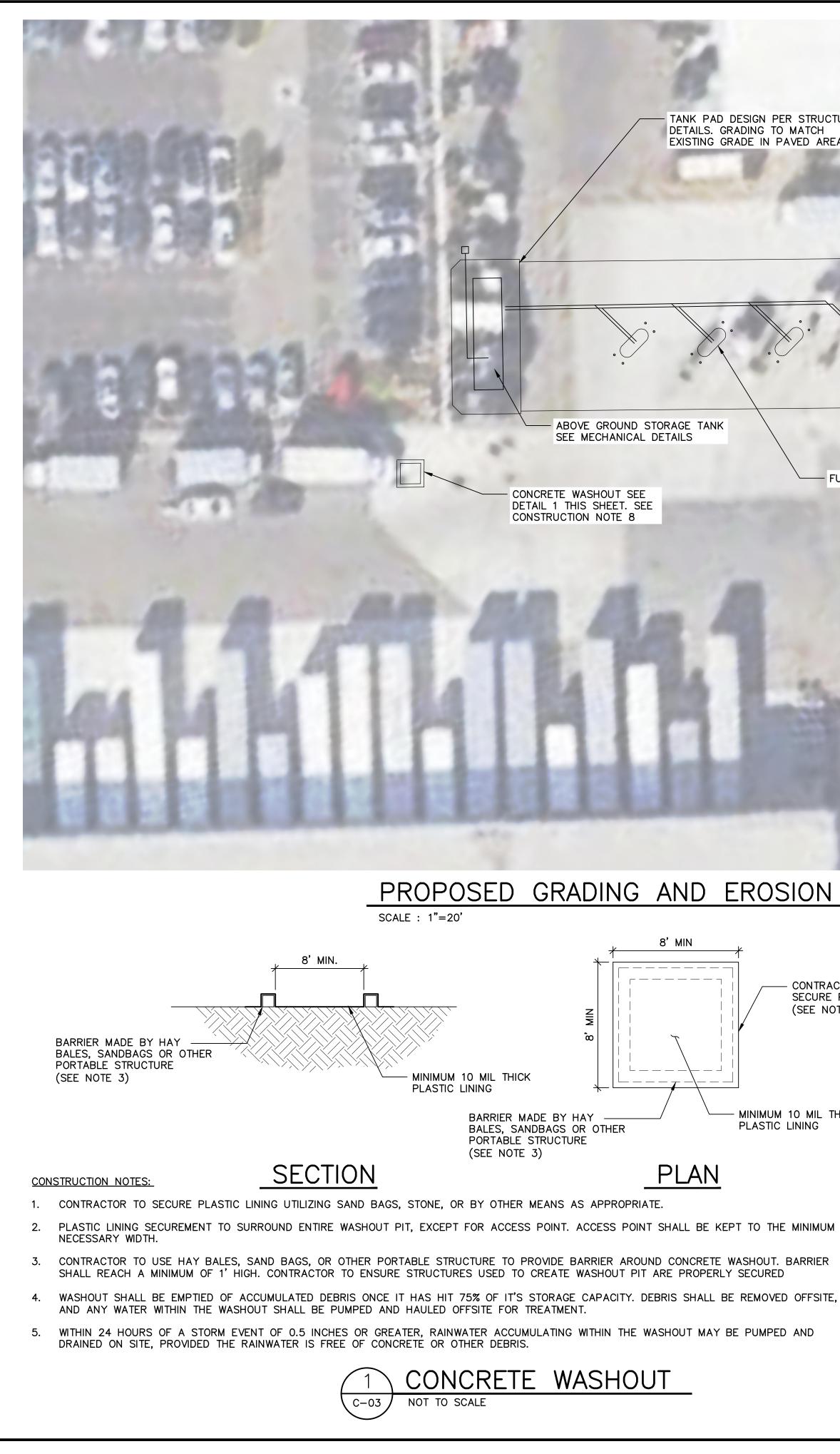
SCALE : 1"=50'

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| | SEALS |
| EXISTING DISPENSERS SOCIATED PIPING | PROFESSION Set PROFESSION Set INA L. PRIOD T9699 * Set INA T9699 * CIVIL OSTOCALIFORNIT OSTOCALIFORNIT OSTOCALIFORNIT |
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| | NO. DATE ISSUED FOR BY |
| | COPYRIGHT: ARCADIS U.S., INC. 2023 |
| | DATE: <u>MAY 2023</u> |
| | PROJECT NO.: <u>30136437</u> FILE NAME: <u>C</u> -01 EX SITE PLAN |
| | DESIGNED BY: J. PRIOR |
| | DRAWN BY: J. PRIOR |
| | CHECKED BY: <u>D. MORAN</u> SHEET TITLE |
| 7 | CIVIL |
| | |
| | EXISTING SITE PLAN |
| 33 4000 | |
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| | SCALE: 1"=50' |
| | C-01 |
| | SHEET OF1 |



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| | NO. DATE ISSUED FOR BY COPYRIGHT: ARCADIS U.S., INC. |
| | 2023 DATE: MAY 2023 |
| | PROJECT NO.: <u>30136437</u> FILE NAME: C-02 PR SITE PLAN |
| 000 GALLON DOUBLE WALL SOLINE ABOVEGROUND | DESIGNED BY: J. PRIOR DRAWN BY: J. PRIOR |
| SOLINE ABOVEGROUND SEE MECHANICAL PLANS | CHECKED BY: D. MORAN |
| 38.125' | SHEET TITLE CIVIL |
| FUEL DISPENSER (TYP OF 4) | PROPOSED SITE PLAN |
| | |
| | |
| 0 10' 20' 40' | |
| FUEL DISPENSER CONCRETE | SCALE: As noted |
| pad see sheet c-05. SPENSER PLAN | C-02 |
| | SHEET OF1 |



- MATCH EXISTING GRADE ALONG ALL PAVED EDGES OF CONCRETE PAD SEE STRUCTURAL DETAILS FOR PAD DESIGN TANK PAD DESIGN PER STRUCTURAL EXISTING GRADE IN PAVED AREAS PIPE BUMPER SEE STRUCTURAL DETAILS FUEL DISPENSER (TYP.) SEE MECHANICAL DETAILS

PROPOSED GRADING AND EROSION AND SEDIMENT CONTROL PLAN



CONTRACTOR TO SECURE PLASTIC LINING (SEE NOTE 1, 2)

MINIMUM 10 MIL THICK PLASTIC LINING

CONSTRUCTION NOTES:

- DETAILS ON SHEETS C-05 AND C-06.
- MECHANICAL SHEETS.
- C-05 AND C-06.

- MAY BE NEEDED.
- SHEETS C-05 AND C-06.

1. INSTALL NEW CONCRETE PAD FOR ABOVE GROUND STORAGE TANK (AST) SKID PER

2. INSTALL NEW 10,000 GALLON AST PER MANUFACTURER'S RECOMMENDATIONS AND

3. INSTALL NEW CONCRETE PAD FOR FUEL DISPENSERS PER DETAILS ON SHEETS

4. INSTALL FUEL DISPENSERS PER MANUFACTURER'S RECOMMENDATIONS AND MECHANICAL SHEETS THIS SET.

5. SEE ELECTRICAL PLANS FOR ELECTRICAL INSTALLATION.

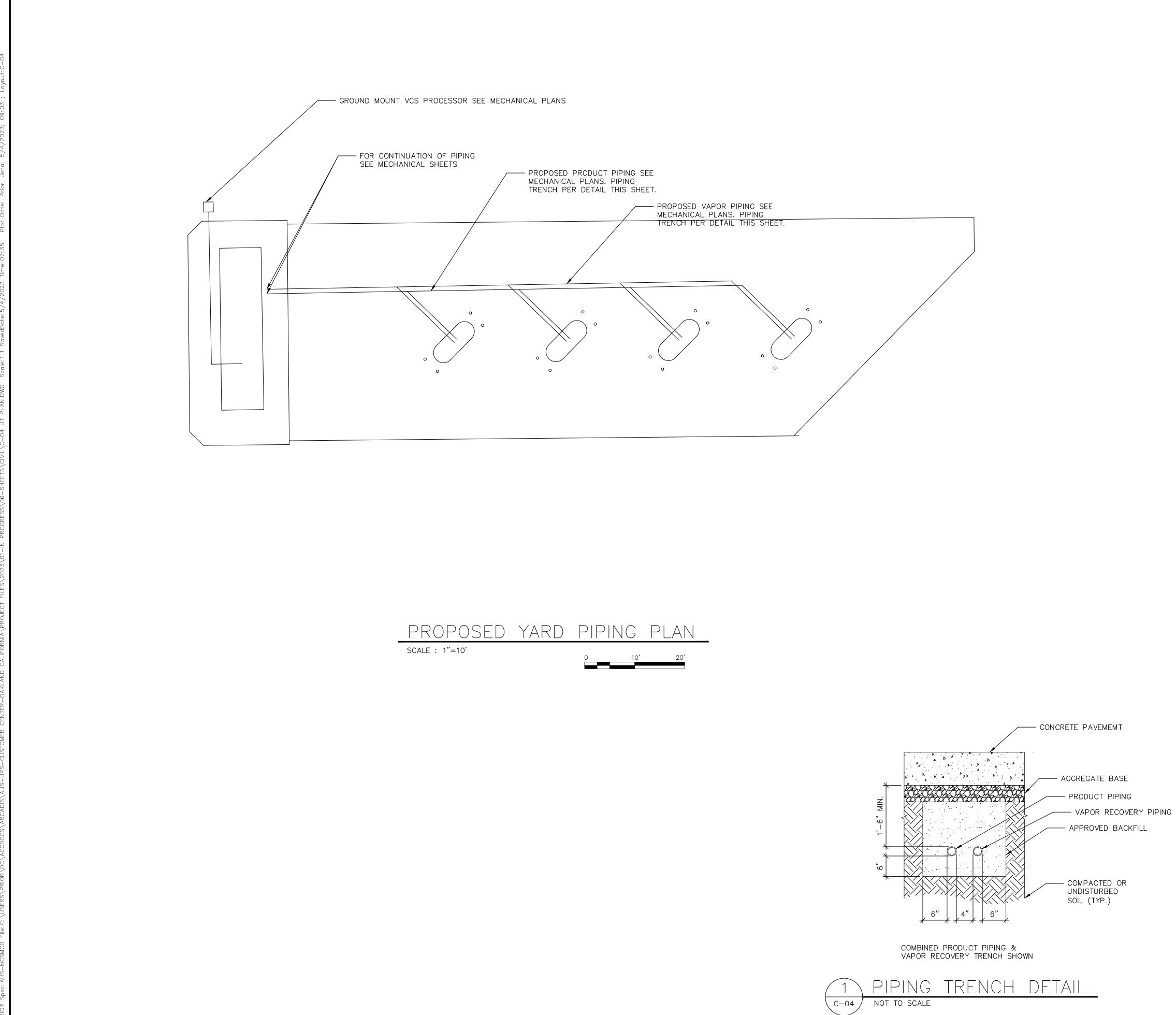
6. ELEVATIONS OF THE CONCRETE AST PAD SHALL MATCH EXISTING AT THE EDGE OF THE CONCRETE PAD. IN GENERAL THE PAD SHALL BE SLOPED SUCH THAT IT DIRECTS WATER AWAY FROM THE TANK SKID. INSTALL ISOLATION JOINT AROUND CONCRETE AST PAD AS NEEDED PER DETAILS ON SHEETS C-05 AND C-06.

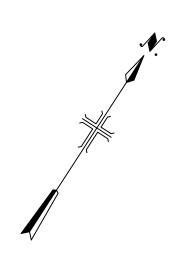
7. ELEVATION OF THE CONCRETE PAD FOR THE FUEL DISPENSERS SHALL MATCH EXISTING GRADE AT THE EDGE WHEN MATCHING EXISTING PAVEMENT. IN GENERAL CONCRETE PAD SHALL SLOPE TO THE TRENCH DRAIN. INSTALL ISOLATION JOINT AS NEEDED PER DETAILS ON SHEETS C-05 AND C-06.

8. ALL EROSION CONTROL AND SEDIMENT DETAILS SHOWN ARE FOR REFERENCE ONLY AND ARE NOT INTENDED TO BE COMPLETE DESIGN. CONTRACTOR SHALL PROVIDE ADEQUATE AND APPROVED EROSION AND SEDIMENT CONTROLS PER CITY, COUNTY AND STATE REQUIREMENTS. NOT ALL DETAILS MAY BE SHOWN OR INDICATED HERE

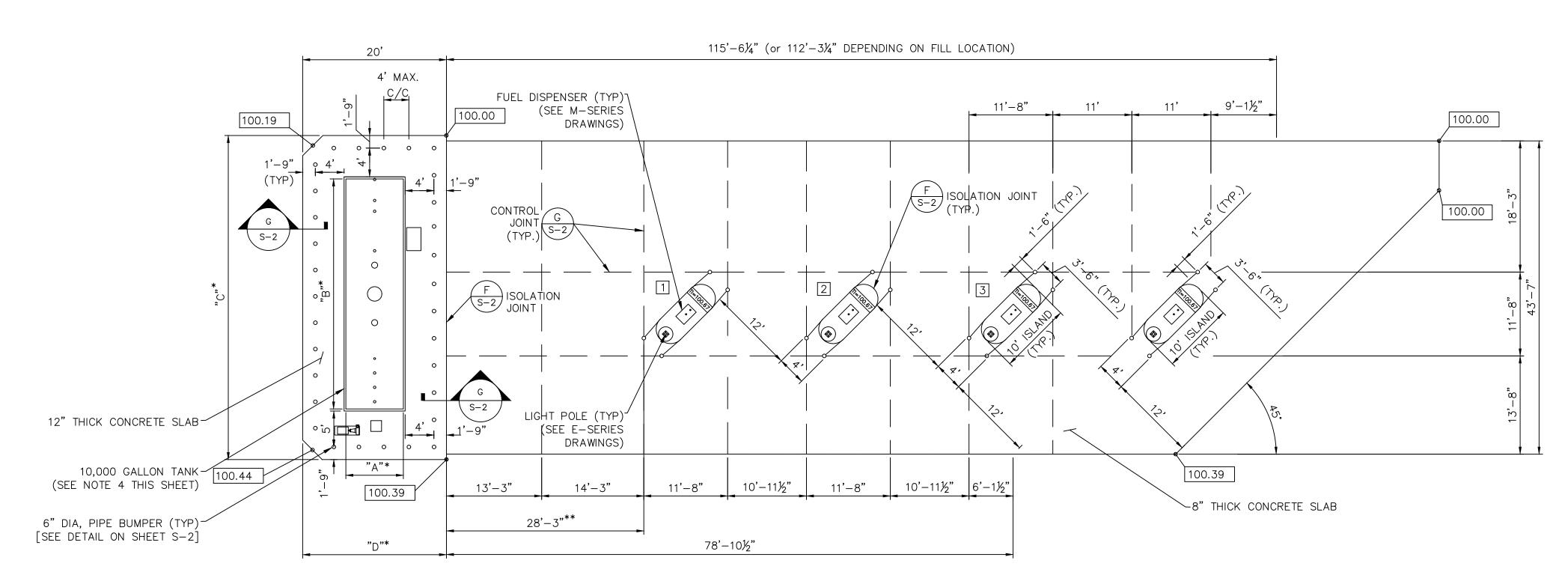
9. PIPE BUMPERS FOR AST PADS NOT SHOWN. SEE MECHANICAL AND DETAILS ON

ARCADIS LEGAL ENTITY: ARCADIS U.S., INC. CONSULTANTS SEALS UPS OAKLAND, CALIFORNIA NO. | DATE | ISSUED FOR BY COPYRIGHT: ARCADIS U.S., INC. 2023 DATE: MAY 2023 PROJECT NO.: 30136437 C–03 GR ER PLAN FILE NAME: DESIGNED BY: J. PRIOR J. PRIOR DRAWN BY: CHECKED BY: D. MORAN SHEET TITLE CIVIL PROPOSED GRADING PLAN & EROSION AND SEDIMENT CONTROL PLAN SCALE: AS NOTED C - 03SHEET xx OF 26





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| 2023 | RCADIS U.S., INC. | |
| | | |
| DATE: | MAY 2023 | |
| PROJECT NO .: | 30136437 | |
| | 30136437 C–04 UT PLAN | |
| PROJECT NO.: FILE NAME: DESIGNED BY: DRAWN BY: | 30136437 C-04 UT PLAN J. PRIOR J. PRIOR | |
| PROJECT NO.: FILE NAME: DESIGNED BY: DRAWN BY: CHECKED BY: | 30136437 C-04 UT PLAN J. PRIOR J. PRIOR | |
| PROJECT NO.: FILE NAME: DESIGNED BY: DRAWN BY: | 30136437 C-04 UT PLAN J. PRIOR J. PRIOR | |
| PROJECT NO.: FILE NAME: DESIGNED BY: DRAWN BY: CHECKED BY: | 30136437 C-04 UT PLAN J. PRIOR J. PRIOR D. MORAN | |
| PROJECT NO.: FILE NAME: DESIGNED BY: DRAWN BY: CHECKED BY: SHEET TITLE | 30136437 C-04 UT PLAN J. PRIOR J. PRIOR D. MORAN | |
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| PROJECT NO.: FILE NAME: DESIGNED BY: DRAWN BY: CHECKED BY: SHEET TITLE | 30136437 C-04 UT PLAN J. PRIOR J. PRIOR D. MORAN | |
| PROJECT NO.: FILE NAME: DESIGNED BY: DRAWN BY: CHECKED BY: SHEET TITLE YARD | 30136437 C-04 UT PLAN J. PRIOR J. PRIOR D. MORAN | |
| PROJECT NO.: FILE NAME: DESIGNED BY: DRAWN BY: CHECKED BY: SHEET TITLE YARD SCALE: | <u>30136437</u> <u>C-04 UT PLAN</u> J. PRIOR <u>J. PRIOR</u> D. MORAN CIVIL PIPING PLAI | |





| DW UL 2085 AST - CHART SPECIFICATION | | | | | |
|--------------------------------------|-------------------------|--------------------------|--------------------------|--|---|
| APPROX. CAPACITY (GALLONS) | "A" INTERIOR DIA. | "B" LENGTH (INNER) | "B" LENGTH (OUTER) | "C" TANK SLAB LENGTH (APPROX.) | "D" TANK SLAB WIDTH (APPROX.) |
| 10,000 | 96" [*] | 26'–8" [*] | 27'–3" [*] | 43'-7" [*] | 18'-6" [*] |



<u>NOTES:</u>

3.

1. FOUNDATION DESIGN IS BASED UPON 1,500 PSF ALLOWABLE BEARING PRESSURE, IN CONFORMANCE WITH INTERNATIONAL BUILDING CODE 2021 TABLE 1806.2 FOR CLASSIFICATION(S) SW, SP, SM, SC, GM AND/OR GC, A LICENSED GEOTECHNICAL ENGINEER SHALL INSPECT THE EXCAVATION AND EXISTING SUBGRADE TO CONFIRM 1,500 PSF BEARING IS ALLOWED FOR THE FOUNDATIONS.

2. THE TANK MANUFACTURER IS RESPONSIBLE FOR ANALYZING THE PROPOSED 10,000-GALLON TANK FOR SEISMIC LOADS TO EVALUATE THE TANK'S INTEGRITY AND CAPACITY TO WITHSTAND APPLIED SEISMIC FORCES IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2021 AND CALIFORNIA BUILDING CODE 2022. TANK MANUFACTURER TO PROVIDE SADDLE SUPPORT REACTION LOADS (SIGNED AND SEALED BY CALIFORNIA PE) TO THE ENGINEER DURING THE CONSTRUCTION PHASE TO VERIFY FOUNDATION SIZES/SPEC DESIGN.

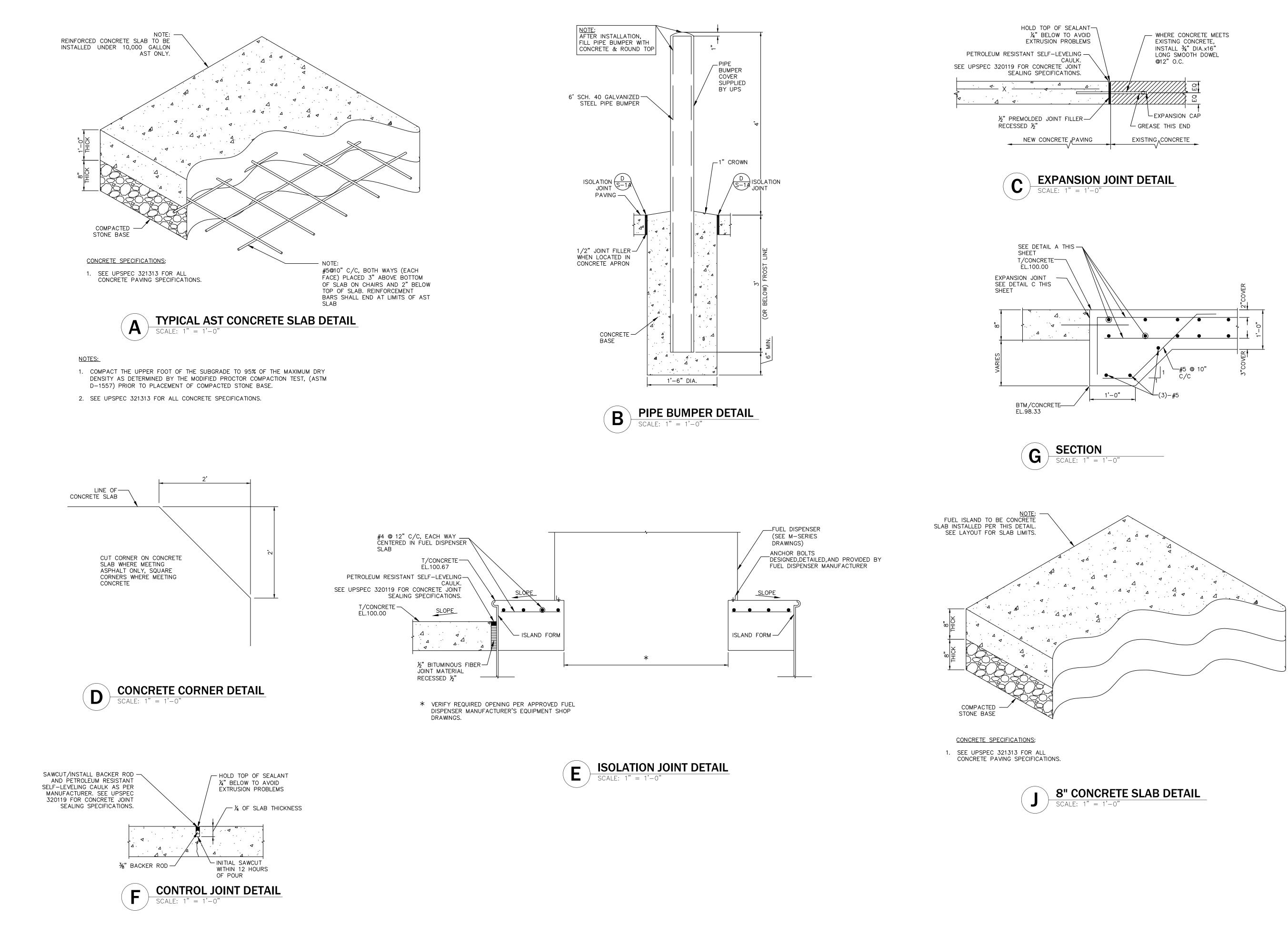
ANCHOR BOLTS FOR TANK SADDLE BASE PLATE TO BE DESIGNED, DETAILED, AND PROVIDED BY TANK MANUFACTURER. ANCHOR BOLT DESIGNS AND DETAILS TO BE SIGNED AND SEALED BY CALIFORNIA PE.

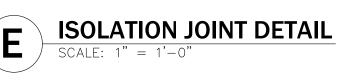
4. ELEVATIONS SHOWN IN PLAN ARE RELATIVE TO THE TANK AND THE REINFORCED CONCRETE PAD AND DO NOT REPRESENT ACTUAL ELEVATIONS.

* VERIFY PER APPROVED TANK MANUFACTURER'S EQUIPMENT SHOP DRAWINGS.

** LANE WIDTH MAY BE REDUCED BY 4'-0" IF TANKER TRUCK CAN FILL ALONG SIDE REMOTE FILL BOX.

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| | | C-06 STC DET | |
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| | T TITLE | | |
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| SCALE | : | | |
| ┝── | SCAL | E: 1" = 1'-0" | |
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| | SCHEMATIC | |
|---|--|---|
| PIPE SUPPORT LEGEND | SCHEMATIC VALVE LEGEND | |
| | SYM PLAN ELEV | |
| | AIR RELEASE VALVE (AR) | |
| SADDLE PIPE SUPPORT | $\square \square $ | |
| | 〇 開 開 BALL VALVE (BA) | |
| | BALL CHECK VALVE (BC) | |
| CLEVIS HANGER PIPE SUPPORT | BUTTERFLY VALVE (BFV) | |
| WALL-MOUNTED CLEVIS HANGER PIPE SUPPORT | | |
| | CHECK VALVE (CH) | |
| WALL BRACKET | | |
| WALL BRACKET TRAPEZE | | |
| WALL BRACKET TRAPEZE PIPE SUPPORT | SUCTION FOOT VALVE (FV) | |
| STACKED RACK PIPE SUPPORT | THREE-WAY PLUG VALVE (TW) | |
| | FOUR-WAY VALVE (FW) | |
| BEAM PIPE SUPPORT | GLOBE VALVE (GL) | |
| 01.DWG | GATE VALVE (GV) CURB STOP (CS) | |
| PIPING SYMBOLS | | |
| PIPING SYMBOLS | _ $ \longrightarrow $ | |
| | | |
| | AUTOMATIC PRESSURE | |
| | REDUCING VALVES (PR) | |
| | SUSTAINING VALVES (PS) | |
| GROOVED END | FLOAT CHECK VALVE (FCV) | |
| | FLOAT CHECK VALVE (FCV) | |
| CONCRETE BELL & SPIGOT | SLUICE GATE (SL) | |
| | SLIDE GATE (SG) SLIDE PLATE (SP) | |
| TASTITE (RESTRAINED JOINT) | S SOLENOID VALVE (SV) | |
| FASITE (RESTRAINED JOINT) FORGED STEEL SOCKET/THREADED | FO=FAIL OPEN FC=FAIL CLOSED | |
| | VENTURI STYLE FLOW METER | |
| HDPE IPS (FLANGED) | | |
| | | |
| CAST IRON HUBLESS CAST IRON HUBLESS CAST IRON HUBLESS FLANGED FLARE FLANGED FLARE FLANGED FLANGE FLANGED COUPLING FLANGED COUPLING FLANGED COUPLING | 901.5 ELEVATION TARGET | |
| | SPOT ELEVATION | |
| BLIND FLANGE | FLANGED FITTING | |
| | CH ELBOW - TURNED DOWN | |
| | | |
| FLANGED COUPLING | <i>K</i> - 45 DEG ELBOW − TEE | |
| | | |
| | TEE - OUTLET DOWN | - |
| | COMBINATION WYE & 1/8 BEN | D |
| | WYE | |
| EXPANSION COUPLING RESTRAINED COUPLING | | |
| | | |

ABBREVIATIONS

APPROX

AUTO ARV

APPROXIMATE (LY)

AUTOMATIC AIR RELEASE VALVE

NOTES:

| 1. | PIPELINES, | VALVES | AND E | QUIPMENT | SHALL | . BE FURNIS | HED, | FABRICA | ATED, | ERECTE | ED AND |) OTHE |
|----|------------|----------|---------|------------|---------|-------------|------|---------|-------|--------|--------|--------|
| | AND DIMEN | ISIONS A | AS SHON | WN, SPECII | FIED OF | R REQUIRED | FOR | A COMF | LETE | INSTAL | LATION | . THE |
| | PROPERLY | AND SH | IALL TA | KE SUCH | FIELD [| DIMENSIONS | AS M | AY BE | NECES | SSARY | TO PRO | DPERL |

- 2. ALL PIPELINES, VALVES AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND MANUFACTURER'S SPECIFICATIONS, IN A NEAT WORKMANLIKE MANNER, AND IN ACCORDANCE WITH APPROVED SHOP AND WORKING DRAWINGS.
- 3. ALL CONSTRUCTION MATERIALS REQUIRING STORAGE SHALL BE STORED IN STRICT CONFORMANCE WITH CONTRACT DOCUMENTS, MANUFACTURER'S SPECIFICATIONS, RECOMMENDATIONS AND INSTRUCTIONS.
- 4. ALL PIPING 4' IN DIAMETER AND SMALLER IS SHOWN SCHEMATICALLY; CONTRACTOR SHALL PROVIDE ALL PIPE, FITTINGS AND ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION.
- 5. CONTRACTOR SHALL SUBMIT A DETAILED ROUTING PLAN FOR APPROVAL BY ENGINEER AND OWNER PRIOR TO INSTALLATION.
- 6. DETAILED ROUTING PLAN SHALL: A. IDENTIFY OBSTRUCTIONS TO MINIMIZE BENDS AND CHANGES IN DIRECTION.
- B. MINIMIZE NUMBER OF CHANGES IN VERTICAL DIRECTION DOWN.
- I. CHANGES IN VERTICAL DIRECTION DOWN SHALL USE 45 DEGREE BENDS OR LESS. II. CHANGES IN VERTICAL DIRECTION UP MAY USE 90 DEGREE BENDS.
- 7. NOT ALL EXISTING OBSTRUCTIONS/EQUIPMENT MAY BE SHOWN ON PLANS. FIELD VERIFICATION OF EXISTING

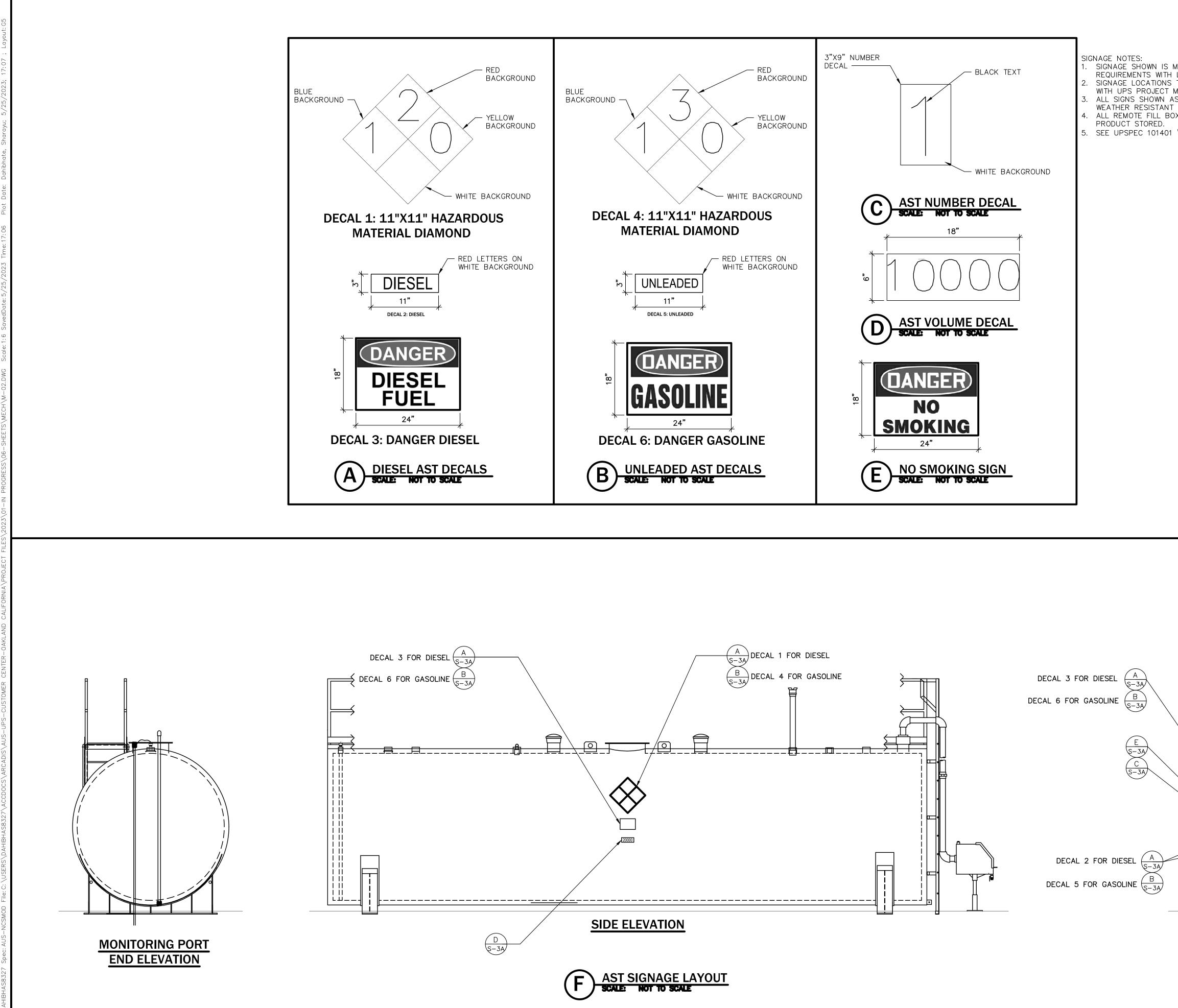
| BF | BLIND FLANGE |
|---|--|
| BFP | BACKFLOW PREVENTER |
| BFV | BUTTERFLY VALVE |
| BLDG | BUILDING |
| BRZ | BRONZE |
| BV | BALL VALVE |
| BYP | BYPASS |
| CAP C/C CO CONC CP CPLG CTR CS CY CV CL CL CL | CAPACITY CENTER TO CENTER CLEAN-OUT CONCRETE, CONCENTRIC CONTROL PANEL COUPLING CENTER CARBON STEEL CUBIC YARD CHECK VALVE CHLORINE CENTER LINE |
| DET | DETAIL |
| DGV | DE-GASSING VALVE |
| DIA. OR Ø | DIAMETER |
| DIFF | DIFFERENTIAL |
| DISCH | DISCHARGE |
| DR | DRAIN |
| DWG | DRAWING |
| DI | DUCTILE IRON |
| EL (ELEV) | ELEVATION |
| ELEC | ELECTRIC |
| ELL | ELBOW |
| EQUIP | EQUIPMENT |
| EXIST | EXISTING |
| EXP | EXPANSION |
| EQ | EQUAL |
| F/D | FLOOR DRAIN |
| FL | FLANGED |
| FLR | FLOOR |
| FT | FOOT |
| FFE | FINISH FLOOR ELEVATION |
| GEN | GENERAL |
| GAL | GALLON (S) |
| GBV | GLOBE VALVE |
| GS | GROOVED AND SHOULDERED |
| HP HB HVAC | HORSEPOWER, HIGH PRESSURE, HIGH POINT HOSE BIBB HEATING, VENTILATING AND AIR CONDITIONING |
| IN | INCH |
| INF | INFLUENT |
| INV EL | INVERT ELEVATION |
| LEV | LEVEL |
| MANUF | MANUFACTURER |
| MCP | MOTOR CONTROL PANEL |
| MISC | MISCELLANEOUS |
| MTR | MOTOR |
| NTS | NOT TO SCALE |
| Ø | DIAMETER |
| PE | PLAIN END |
| PH | PHASE |
| POT | POTABLE WATER |
| PLV | PLUG VALVE |
| PROT | BACKFLOW PROTECTED WATER |
| PVC | POLYVINYL CHLORIDE |
| PW | PLANT WATER |
| SIM | SIMILAR |
| SS | STAINLESS STEEL |
| V | VALVE |
| VFD | VARIABLE FREQUENCY DRIVE |
| WAS | WASTE ACTIVATED SLUDGE |

PIPE SERVICE AND PIPE MATERIAL

| LPA | LOW PRESSURE AIR |
|------|--------------------------|
| SS | TYPE 304 STAINLESS STEEL |
| PVC | POLYVINYL CHLORIDE |
| POLY | POLYMER |

HERWISE INSTALLED TO LINES, ELEVATIONS LOCATIONS, THE CONTRACTOR SHALL MEASURE ALL DIMENSIONS SHOWN RLY INSTALL ALL PIPELINES, VALVES AND EQUIPMENT.

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| ARCA | L ENTITY: DIS U.S., | INC. | |
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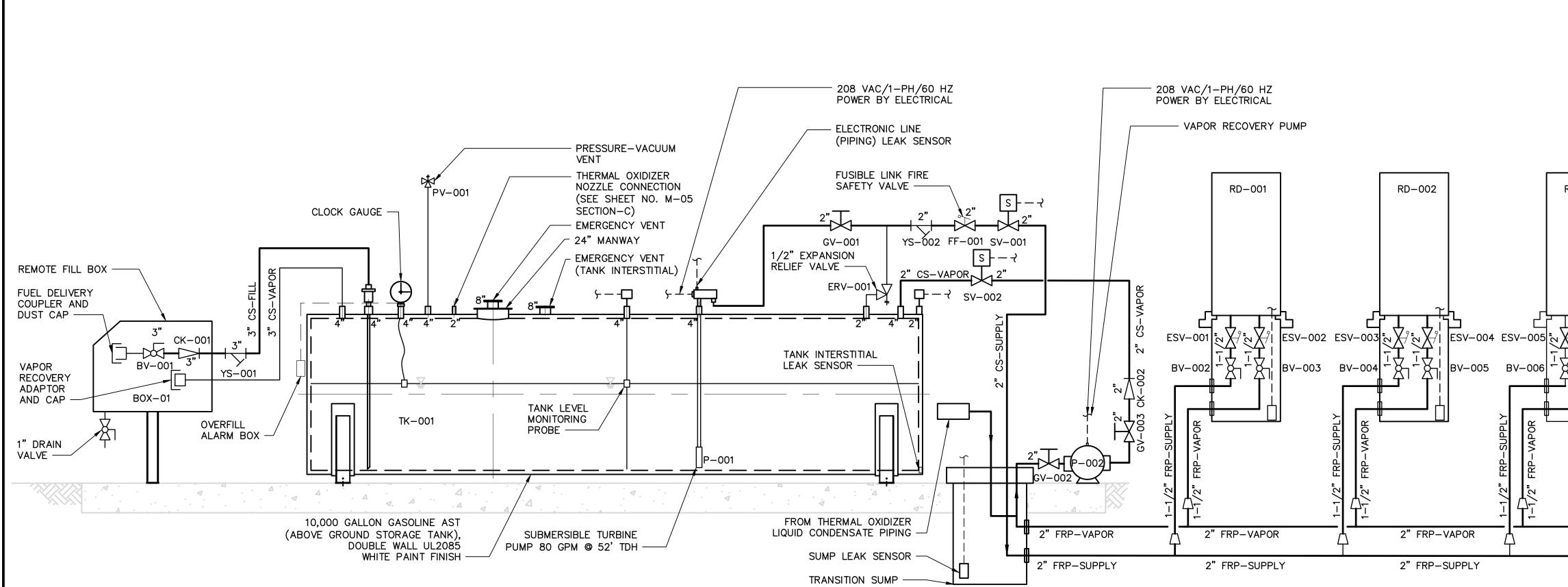


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| MINIMUM REQUIREMENTS BY UPS. CONTRACTOR TO VERIFY SIGNAGE LOCAL FIRE AUTHORITY PRIOR TO START OF CONSTRUCTION. TYPICAL. SIGNAGE INSTALLATION LOCATIONS SHALL BE VERIFIED MANAGER PRIOR TO INSTALLATION. S DECALS SHALL ADHERE TO THE TANK WALLS AND SHALL BE X COVERS SHALL BE LABELED ACCORDING TO THE ASSOCIATED "IDENTIFICATION DEVICES FOR SIGN AND DECAL SPECIFICATIONS. | CONSULTANTS |
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| | 2023 DATE: MAY 2023 PROJECT NO.: 30136437 FILE NAME: M-02 DESIGNED BY: A. AZZAWI DRAWN BY: K. GULDAGAD CHECKED BY: A. AZZAWI SHEET TITLE MECHANICAL AST SIGNAGE DETAILS |
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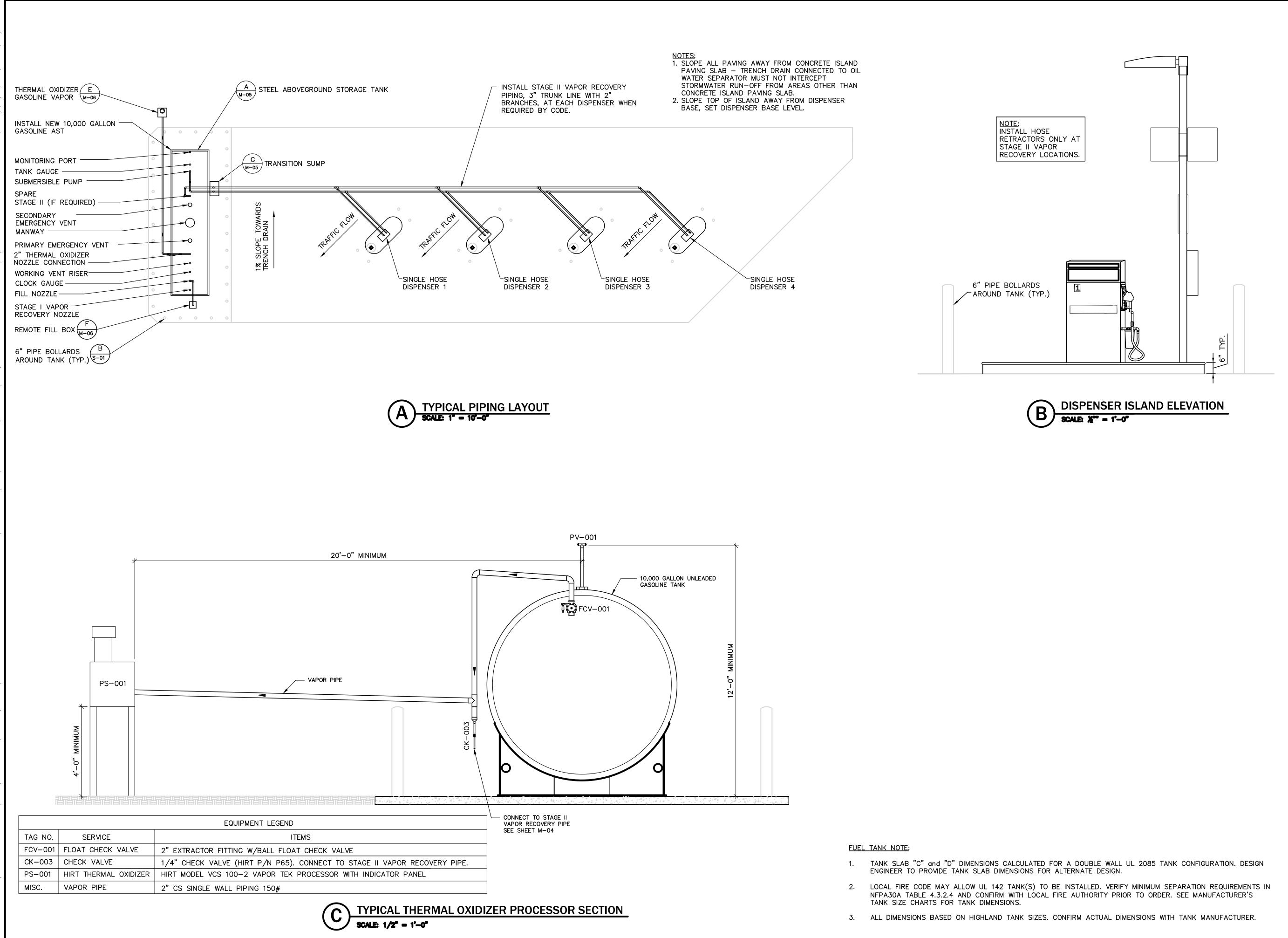
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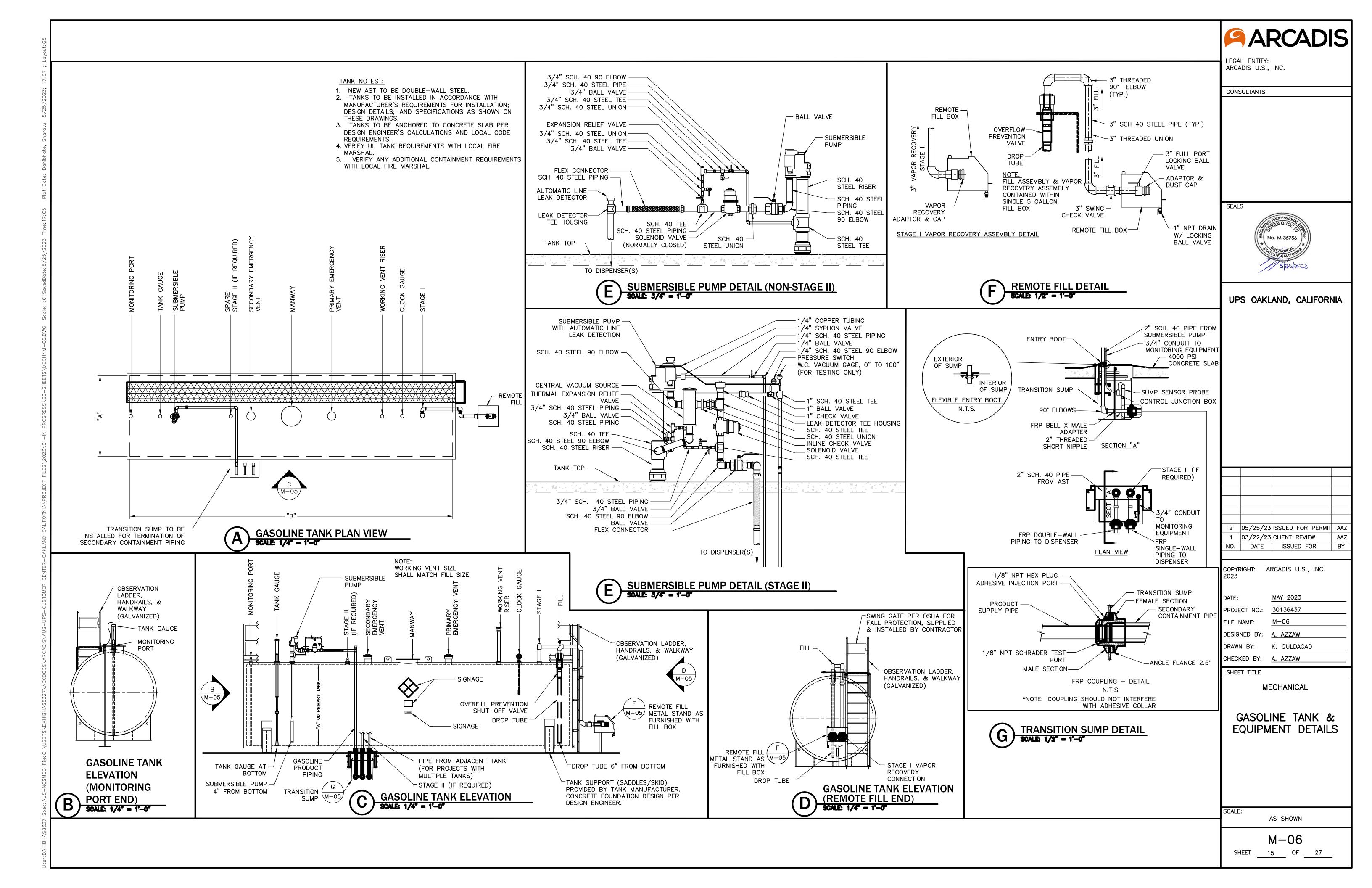
| TAG NO.SERVICEITEMSBOX-01REMOTE FILL BOXCS-BACK CONNECTION FILL BOX SPILL CONTAINER W/ 2 IN. MALE BOTTOM CONNECTION & MALEBV-001BALL VALVE3"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPCK-001CHECK VALVE3"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYPYS-001Y- STRAINER3"-#150-SS RAISED FACE FLANGED Y STRAINER,ASME/ANSI B16.34 TYP | | | EQUIPMENT LEGEND |
|--|---------|-------------------------------|---|
| BV-001 BALL VALVE 3"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP CK-001 CHECK VALVE 3"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYP VS-001 Y- STRAINER 3"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYP TK-001 TANK 10,000 UNLEADED CALLON ABOVE GROUND STORAGE TANK, DOUBLE WALL UL2085, WHITE PAINT F PV-001 PRESSURE - VACUUM VENT 2" PRESSURE-TURBINE PUMP, B0 GPM AT 52' TDH GV-001 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYP ERV-001 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE VENT-VACUUM PRESSURE RELEF SV-001 SOLENOID VALVE 2"-#150-SS RAISED FACE FLANCED Y STRAINER,ASME/ANSI B16.34 TYP FF-001 FUSIBLE TIRE PROTECTION VALVE 2"-#150-SS RAISED FACE VENT-VACUUM PRESSURE RELEF SV-001 SOLENOID VALVE 2"-#150-SS RAISED FACE BALL VALVE.SW/ PTFE SEAL- FLANCED SV-001 SOLENOID VALVE 2"-#150-SS RAISED FACE BALL VALVE.WE W/ PTFE SEAL- FLANCED SV-002 SOLENOID VALVE 2"-#150-SS RAISED FACE BALL VALVE.WE W/ PTFE SEAL- FLANCED SV-002 SOLENOID VALVE 2"-#150-SS RAISED FACE BALL VALVE.WE W/ PTFE SEAL- FLANCED SV-002 SOLENOID VALVE 2"-#150- | TAG NO. | SERVICE | |
| CX-001 CHECK VALVE 3"-#ISO-SS RAISED FACE CHECK VALVE,ASME/ANSI BI6.34 TYP YS-001 Y = STRAINER 3"-#ISO-SS RAISED FACE FLANGED Y STRAINER,ASME/ANSI BI6.34 TYP IX-001 TANK 10,000 UNERADEC GARGUND STORAGE TANK, DOUBLE WALL UL2085, WHITE PAINT F PV-001 PRESSURE - VACUUM VENT 2" PRESSURE-VACUUM VENT P-001 SUBMERSIBLE TURBINE PUMP SUBMERSIBLE TURBINE PUMP, 80 GPM AT 52' TDH CV-001 EXPANSION RELIEF VALVE 2"-#ISO-SS RAISED FACE VALVE,ASME/ANSI BI6.34 TYP ERV-001 EXPANSION RELIEF VALVE 2"-#ISO-SS RAISED FACE VALVE,ASME/ANSI BI6.34 TYP FF-001 FUSIBLE FIRE PROTECTION VALVE 2"-#ISO-SS RAISED FACE FLANGED Y STRAINER,ASME/ANSI BI6.34 TYP SV-001 SOLENOID VALVE 2"-#ISO-SS RAISED FACE FLANGED Y STRAINER,ASME/ANSI BI6.34 TYP SV-001 SOLENOID VALVE 2'-#ISO-SS RAISED FACE BALL VALVE,ASME/ANSI BI6.34 TYP SV-001 SOLENOID VALVE 2'-#ISO-SS RAISED FACE BALL VALVE SV-001 SOLENOID VALVE 2'-#ISO-SS RAISED FACE CATE VALVE SV-002 SOLENOID VALVE 2'-#ISO-SS RAISED FACE BALL VALVE,ASME/ANSI BI6.34 TYP ESV-001 EMERGENCY SHUT-OFF VALVE 1 1/2" EMERGENCY SHUT-OFF VALVE | BOX-01 | REMOTE FILL BOX | CS-BACK CONNECTION FILL BOX SPILL CONTAINER W/ 2 IN. MALE BOTTOM CONNECTION & MALE |
| YS-001 Y = STRAINER 3"-#150-SS RAISED FACE FLANCED Y STRAINER.ASME/ANSI B16.34 TYP TK-001 TANK 10,000 UNLEADED GALLON ABOVE GROUND STORAGE TANK, DOUBLE WALL UL2085, WHITE PAINT F PV-001 PRESSURE - VACUUM VENT 2" PRESSURE - VACUUM VENT P-001 SUBMERSIBLE TURBINE PUMP SUBMERSIBLE TURBINE PUMP, 80 GPM AT 52" TDH GV-001 ISOLATION CATE VALVE 2"-#150-SS RAISED FACE VALVE, ASME/ANSI B16.34 TYP FR-001 EXPANSION RELIEF VALVE 2"-#150-SS RAISED FACE FLANCED Y STRAINER.ASME/ANSI B16.34 TYP FF-001 FUSIBLE FIRE PROTECTION VALVE 2"-#150-SS RAISED FACE FLANCED Y STRAINER.ASME/ANSI B16.34 TYP FF-001 FUSIBLE FIRE PROTECTION VALVE 2"-#150-SS RAISED FACE BALL VALVE, SW/ PITE SEAL- FLANCED SV-001 SOLENOD VALVE 2-#150-SS RAISED FACE BALL VALVE, SW/ PITE SEAL- FLANCED SV-002 BOLEND VALVE 2-#150-SS RAISED FACE BALL VALVE, SWE/ANSI B16.34 TYP SV-002 BALL VALVE 1 1/2" EMERGENCY SHUT-OFF VALVE RD-001 REMORENCY SHUT-OFF VALVE 1 1/2"-#150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYP SV-002 BALL VALVE 1 1/2"-#150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYP SV-003 SOLATION GATE VALVE 2"- | BV-001 | BALL VALVE | 3"-#150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYP |
| TK-001 TANK 10,000 UNLEADED GALLON ABOVE GROUND STORAGE TANK, DOUBLE WALL UL2085, WHITE PAINT F PV-001 PRESSURE - VACUUM VENT 2" PRESSURE - VACUUM VENT 2" P#150-SS RAISED FACE CATE VALVE, ASME/ANSI B16.34 TYP GV-001 ISOLATION GATE VALVE 2" #150-SS RAISED FACE CATE VALVE, ASME/ANSI B16.34 TYP FY=-001 EVANJON RELIF VALVE 2" #150-SS RAISED FACE CATE VALVE, ASME/ANSI B16.34 TYP FY=-001 FUSIBLE FIRE PROTECTION VALVE 2" #150-SS RAISED FACE LANCED Y STRAINER, ASME/ANSI B16.34 TYP FY=-001 FUSIBLE FIRE PROTECTION VALVE 2" #150-SS RAISED FACE LANCED Y STRAINER, ASME/ANSI B16.34 TYP SV-002 SOLENOID VALVE 2 = #150-SS RAISED FACE BALL VALVES W/ PTFE SEAL- FLANGED SV-001 BALL VALVE 1 1/2" #150-SS RAISED FACE BALL VALVE, SME/ANSI B16.34 TYP ESV-001 REMERENCY SHUT-OFF VALVE 1 1/2" EMERGENCY SHUT-OFF VALVE BV-002 BALL VALVE 1 1/2" EMERGENCY SHUT-OFF VALVE BV-003 BALL VALVE 1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYP P-002 VAPOUR RECOVERY FUMP GILBARCO GASBOY 9153KX DISPENSERS GV-003 ISOLATION GATE VALVE 2" #150-SS RAISED FACE CATE V | CK-001 | CHECK VALVE | 3"-#150-SS RAISED FACE CHECK VALVE, ASME/ANSI B16.34 TYP |
| PV-001 PRESSURE - VACUUM VENT 2" PRESSURE -VACUUM VENT P-001 SUBMERSIBLE TURBINE PUMP SUBMERSIBLE TURBINE PUMP, 80 GPM AT 52' TDH GV-001 ISUDATION GATE VALVE 2" #150-SS RAISED FACE CATE VALVE, ASME/ANSI B16.34 TYP ERV-001 EXPANSION RELEF VALVE 2" #150-SS RAISED FACE VALVE, ASME/ANSI B16.34 TYP FF-001 FUSIBLE FIRE PROTECTION VALVE 2" #150-SS RAISED FACE FLANGED Y STRAINER, ASME/ANSI B16.34 TYP SV-001 SOLENOID VALVE 2 #150-SS RAISED FACE FLANGED Y STRAINER, ASME/ANSI B16.34 TYP SV-002 SOLENOID VALVE 2 #150-SS RAISED FACE BALL VALVE, SW / PTFE SEAL - FLANGED SV-002 SOLENOID VALVE 2 #150-SS RAISED FACE BALL VALVE, SW / PTFE SEAL - FLANGED SV-002 BALL VALVE 1 1/2" #150-SS RAISED FACE BALL VALVE, SME/ANSI B16.34 TYP ESV-002 BALL VALVE 1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYP RD-001 REMORED ISPENSER GILBARCO GASBOY 9153KX DISPENSER ESV-002 MERGENCY SHUT-OFF VALVE 1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYP GV-003 BALL VALVE 2 "#150-SS RAISED FACE GATE VALVE, ASME/ANSI B16.34 TYP GV-004 BALL VALVE 2 "#150-SS RAISED FACE GATE VALVE, ASME | YS-001 | Y- STRAINER | 3"-#150-SS RAISED FACE FLANGED Y STRAINER, ASME/ANSI B16.34 TYP |
| P-001 SUBMERSIBLE TURBINE PUMP SUBMERSIBLE TURBINE PUMP, 80 GPM AT 52" TDH GV-001 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE VALVE_ASME/ANSI B16.34 TYP ERV-001 EXPANSION CATE VALVE 2"-#150-SS RAISED FACE VALVE_ASME/ANSI B16.34 TYP YS-002 Y- STRAINER 2"-#150-SS RAISED FACE VALVE_ASME/ANSI B16.34 TYP FF-001 FUSIBLE FIRE PROTECTION VALVE 2"-#150-SS ANTI-SIPHON SOLENOID VALVE W/ PTEE SEAL- FLANGED SV-002 SOLENOID VALVE 2-#150-SS RAIT-SIPHON SOLENOID VALVES W/ PTEE SEAL- FLANGED SV-002 SOLENOID VALVE 2-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP ESV-002 BALL VALVE 1 1/2" EMERGENCY SHUT-OFF VALVE BV-002 BALL VALVE 1 1/2" EMERGENCY SHUT-OFF VALVE ESV-002 EMERGENCY SHUT-OFF VALVE 1 1/2" -#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.341 TYP ESV-002 EMERGENCY SHUT-OFF VALVE 1 1/2" -#150-SS RAISED FACE CATE VALVE,ASME/ANSI B16.341 TYP F0-003 BALL VALVE 2"-#150-SS RAISED FACE CATE VALVE,ASME/ANSI B16.341 TYP F0-002 VAPOUR RECOVERY PUMP GILBARCO GASBOY 9153KX DISPENSER ESV-003 BALL VALVE 2"-#150-SS RAISED FACE CATE VALVE,ASME/ANSI B16.34 TYP | TK-001 | TANK | 10,000 UNLEADED GALLON ABOVE GROUND STORAGE TANK, DOUBLE WALL UL2085, WHITE PAINT F |
| GV-001 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYP ERY-001 EXPANSION RELIEF VALVE 2"-#150-SS RAISED FACE VALVE.ASME/ANSI B16.34 TYP YS-002 Y- STRAINER 2"-#150-SS RAISED FACE FLANGED Y STRAINER,ASME/ANSI B16.34 TYP FF-001 FUSIBLE FIRE PROTECTION VALVE 2'-#150-SS RAISED FACE FLANGED VALVES W/ PTE SEAL- FLANGED SV-001 SOLENOID VALVE 2-#150-SS RAISED FACE BALL VALVE, SW/ PTE SEAL- FLANGED SV-002 SOLENOID VALVE 2-#150-SS RAISED FACE BALL VALVE, MOLES W/ PTE SEAL- FLANGED SV-001 EMERGENCY SHUT-OFF VALVE 1 1/2"-#150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYP ESV-001 EMERGENCY SHUT-OFF VALVE 1 1/2"-#150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYP ESV-002 EMERGENCY SHUT-OFF VALVE 1 1/2"-#150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYP GV-003 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE CATE VALVE, ASME/ANSI B16.34 TYP GV-004 BALL VALVE 1 1/2"-#150-SS RAISED FACE CATE VALVE, ASME/ANSI B16.34 TYP GV-002 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE CATE VALVE, ASME/ANSI B16.34 TYP GV-002 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYP GV | PV-001 | PRESSURE - VACUUM VENT | 2" PRESSURE-VACUUM VENT |
| ERV-001 EXPANSION RELIEF VALVE 2"-#150-SS RAISED FACE FLANCED VENT-VACUUM PRESSURE RELIEF YS-002 Y-STRAINER 2"-#150-SS RAISED FACE FLANCED VSTRAINER.ASME/ANSI B16.34 TYP FF-001 FUSIBLE FIRE PROTECTION VALVE 2"-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGED SV-002 SOLENOID VALVE 2-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGED SV-002 SOLENOID VALVE 2-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGED BV-002 BALL VALVE 1 1/2" discred cASBOY 9153KX USPENSER ESV-001 EMERGENCY SHUT-OFF VALVE 1 1/2" discred cASBOY 9153KX USPENSER ESV-002 EMERGENCY SHUT-OFF VALVE 1 1/2" discred cASBOY 9153KX USPENSER ESV-003 BALL VALVE 1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.341 TYP GV-003 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYP P-002 VAPOUR RECOVERY PUMP GILBARCD GASBOY 9153KX DISPENSER GV-003 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYP P-002 VAPOUR RECOVERY PUMP GILBARCD GASBOY 9153KX DISPENSER ESV-003 BALL VALVE 1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP BV-004 BALL VALVE < | P-001 | SUBMERSIBLE TURBINE PUMP | SUBMERSIBLE TURBINE PUMP, 80 GPM AT 52' TDH |
| YS-002 Y- STRAINER 2"-#150-SS RAISED FACE FLANGED Y STRAINER,ASME/ANSI B16.34 TYP FF-001 FUSIBLE FIRE PROTECTION VALVE 2"-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGED SV-001 SOLENOID VALVE 2-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGED SV-002 BALL VALVE 1 1/2"-#150-SS RAISED FACE BALL VALVES W/ PTFE SEAL- FLANGED BV-002 BALL VALVE 1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP ESV-001 REMOTE DISPENSER GILBARCO GASBOY 9153KX DISPENSER ESV-002 EMERCENCY SHUT-OFF VALVE 1 1/2" EMERCENCY SHUT-OFF VALVE BV-003 BALL VALVE 1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.341 TYP GV-003 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.341 TYP GV-003 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE CATE VALVE,ASME/ANSI B16.34 TYP GV-003 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYP GV-003 ISOLATION GATE VALVE 2"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYP GV-004 BALL VALVE 1 1/2"-#150-SS RAISED FACE MALVE,ASME/ANSI B16.34 TYP GV-005 REMOTE DISPENSER GILBARCO GASBOY 9153KX DISPENSER ESV-004 <t< td=""><td>GV-001</td><td>ISOLATION GATE VALVE</td><td>2"-#150-SS RAISED FACE GATE VALVE, ASME/ANSI B16.34 TYP</td></t<> | GV-001 | ISOLATION GATE VALVE | 2"-#150-SS RAISED FACE GATE VALVE, ASME/ANSI B16.34 TYP |
| FF-001FUSIBLE FIRE PROTECTION VALVE2"-#150-SS FUSIBLE LINK-SHUT OFF VALVESV-001SOLENOID VALVE2-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGEDSV-002SOLENOID VALVE2-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGEDBV-002BALL VALVE1 1/2" - #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYPESV-001EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-001REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-002EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-003BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.341 TYPGV-002ISOLATION GATE VALVE2" #150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPP-002VAPOUR RECOVERY PUMPGILBARCO GASBOY 9153KX DISPENSERSGV-003ISOLATION GATE VALVE2" #150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPP-002VAPOUR RECOVERY PUMPGILBARCO GASBOY 9153KX DISPENSERSGV-003ISOLATION GATE VALVE2" #150-SS RAISED FACE CATE VALVE,ASME/ANSI B16.34 TYPCK-002CHECK VALVE1 1/2" #150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYPBV-003EMERGENCY SHUT-OFF VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-004EMERGENCY SHUT-OFF VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2" #150-SS RAISED FACE BAL | ERV-001 | EXPANSION RELIEF VALVE | 2"-#150-SS RAISED FACE VENT-VACUUM PRESSURE RELIEF |
| SV-001SOLENOID VALVE2-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGEDSV-002SOLENOID VALVE2-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGEDBV-002BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-001EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBN-003BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-003BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPCV-002ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPP-002VAPOUR RECOVERY PUMPGILBARCO GASBOY 9153KX DISPENSERGV-003ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPP-002VAPOUR RECOVERY PUMPGILBARCO GASBOY 9153KX DISPENSERSGV-003ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPCK-002CHECK VALVE2"-#150-SS RAISED FACE CALL VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-003EMERGENCY SHUT-OFF VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-003EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP< | YS-002 | Y- STRAINER | 2"-#150-SS RAISED FACE FLANGED Y STRAINER, ASME/ANSI B16.34 TYP |
| SV-002SOLENOID VALVE2-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGEDBW-002BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYPESV-001REMEGENCY SHUT-OFF VALVE1 1/2" EWERGENCY SHUT-OFF VALVERD-001REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-002EMERGENCY SHUT-OFF VALVE1 1/2" #WERGENCY SHUT-OFF VALVEBV-003BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.341 TYPGV-002ISOLATION GATE VALVE2" #150-SS RAISED FACE GATE VALVE, ASME/ANSI B16.34 TYPP-002VAPOUR RECOVERY PUMPGILBARCO GASBOY 9153KX DISPENSERSGV-003ISOLATION GATE VALVE2" #150-SS RAISED FACE CATE VALVE, ASME/ANSI B16.34 TYPCK-002CHECK VALVE2" #150-SS RAISED FACE CATE VALVE, ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2" #150-SS RAISED FACE GATE VALVE, ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE, ASME/ANSI | FF-001 | FUSIBLE FIRE PROTECTION VALVE | 2"-#150-SS FUSIBLE LINK-SHUT OFF VALVE |
| BV-002 BALL VALVE 1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP ESV-001 EMERGENCY SHUT-OFF VALVE 1 1/2" EMERGENCY SHUT-OFF VALVE RD-001 REMOTE DISPENSER GLBARCO GASBOY 9153KX DISPENSER ESV-002 EMERGENCY SHUT-OFF VALVE 1 1/2" EMERGENCY SHUT-OFF VALVE BV-003 BALL VALVE 1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.341 TYP GV-002 ISOLATION GATE VALVE 2" #150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYP P-002 VAPOUR RECOVERY PUMP GILBARCO GASBOY 9153KX DISPENSERS GV-003 ISOLATION GATE VALVE 2" #150-SS RAISED FACE CATE VALVE,ASME/ANSI B16.34 TYP P-002 CHECK VALVE 2" #150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYP BV-003 ISOLATION GATE VALVE 2" #150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYP BV-004 BALL VALVE 1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP BV-003 EMERGENCY SHUT-OFF VALVE 1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP BV-004 BALL VALVE 1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP BV-005 BALL VALVE 1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP BV-006 BALL VALVE 1 1/2" #150-SS RAISED F | SV-001 | SOLENOID VALVE | 2-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGED |
| ESV-001EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-001REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-002EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-003BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.341 TYPGV-002ISOLATION GATE VALVE2" #150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPP-002VAPOUR RECOVERY PUMPGILBARCO GASBOY 9153KX DISPENSERSGV-003ISOLATION GATE VALVE2" #150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPCK-002CHECK VALVE2" #150-SS RAISED FACE CATE VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2" #150-SS RAISED FACE CALVE,ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-004BMERGENCY SHUT-OFF VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-004EMERGENCY SHUT-OFF VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-008 <t< td=""><td>SV-002</td><td>SOLENOID VALVE</td><td>2-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGED</td></t<> | SV-002 | SOLENOID VALVE | 2-#150-SS ANTI-SIPHON SOLENOID VALVES W/ PTFE SEAL- FLANGED |
| RD-001REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-002EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-003BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.341 TYPGV-002ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPP-002VAPOUR RECOVERY PUMPGILBARCO GASBOY 9153KX DISPENSERSGV-003ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPCX-002CHECK VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-003EMERGENCY SHUT-OFF VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-O | BV-002 | BALL VALVE | 1 1/2"-#150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.34 TYP |
| ESV-002EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-003BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.341 TYPGV-002ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPP-003ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPGK-003ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPGK-002CHECK VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-003EMERGENCY SHUT-OFF VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-004EMERGENCY SHUT-OFF VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-006BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-008BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-00 | ESV-001 | EMERGENCY SHUT-OFF VALVE | 1 1/2" EMERGENCY SHUT-OFF VALVE |
| BV-003BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.341 TYPGV-002ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPP-002VAPOUR RECOVERY PUMPGILBARCO GASBOY 9153KX DISPENSERSGV-003ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPCK-002CHECK VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEESV-003EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-004BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-005BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-005EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-008BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE </td <td>RD-001</td> <td>REMOTE DISPENSER</td> <td>GILBARCO GASBOY 9153KX DISPENSER</td> | RD-001 | REMOTE DISPENSER | GILBARCO GASBOY 9153KX DISPENSER |
| GV-002ISOLATION GATE VALVE2"##150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPP-002VAPOUR RECOVERY PUMPGILBARCO GASBOY 9153KX DISPENSERSGV-003ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPCK-002CHECK VALVE2"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-003EMERGENCY SHUT-OFF VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-004BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-002REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-004EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-008BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-0 | ESV-002 | EMERGENCY SHUT-OFF VALVE | 1 1/2" EMERGENCY SHUT-OFF VALVE |
| P-002VAPOUR RECOVERY PUMPGILBARCO GASBOY 9153KX DISPENSERSGV-003ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPCK-002CHECK VALVE2"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-003EMERGENCY SHUT-OFF VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-004EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-002REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-004EMERGENCY SHUT-OFF VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-005EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2" #EMERGENCY SHUT-OFF VALVEBV-008BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2" #EMERGENCY SHUT-OFF VALVEBV-008BALL VALVE1 1/2" #EMERGENC | BV-003 | BALL VALVE | 1 1/2"-#150-SS RAISED FACE BALL VALVE, ASME/ANSI B16.341 TYP |
| GV-003ISOLATION GATE VALVE2"-#150-SS RAISED FACE GATE VALVE,ASME/ANSI B16.34 TYPCK-002CHECK VALVE2"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-003EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-002REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-004EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-005EMERGENCY SHUT-OFF VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-005EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX D | GV-002 | ISOLATION GATE VALVE | 2"-#150-SS RAISED FACE GATE VALVE, ASME/ANSI B16.34 TYP |
| CK-002CHECK VALVE2"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYPBV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-003EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-002REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-004EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-005EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-008BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B1 | P-002 | VAPOUR RECOVERY PUMP | GILBARCO GASBOY 9153KX DISPENSERS |
| BV-004BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-003EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-002REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-004EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-005EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2" #150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE </td <td>GV-003</td> <td>ISOLATION GATE VALVE</td> <td>2"-#150-SS RAISED FACE GATE VALVE, ASME/ANSI B16.34 TYP</td> | GV-003 | ISOLATION GATE VALVE | 2"-#150-SS RAISED FACE GATE VALVE, ASME/ANSI B16.34 TYP |
| ESV-003EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-002REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-004EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-005EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007EMERGENCY SHUT-OFF VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE | CK-002 | CHECK VALVE | 2"-#150-SS RAISED FACE CHECK VALVE,ASME/ANSI B16.34 TYP |
| RD-002REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-004EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-005EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE | BV-004 | BALL VALVE | 1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP |
| ESV-004EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-005EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE | ESV-003 | EMERGENCY SHUT-OFF VALVE | 1 1/2" EMERGENCY SHUT-OFF VALVE |
| BV-005BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-005EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2" -#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE | RD-002 | REMOTE DISPENSER | GILBARCO GASBOY 9153KX DISPENSER |
| BV-006BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-005EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE | ESV-004 | EMERGENCY SHUT-OFF VALVE | 1 1/2" EMERGENCY SHUT-OFF VALVE |
| ESV-005EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE | BV-005 | BALL VALVE | 1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP |
| RD-003REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE | BV-006 | BALL VALVE | 1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP |
| ESV-006EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVEBV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE | ESV-005 | EMERGENCY SHUT-OFF VALVE | 1 1/2" EMERGENCY SHUT-OFF VALVE |
| BV-007BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPBV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE | RD-003 | REMOTE DISPENSER | GILBARCO GASBOY 9153KX DISPENSER |
| BV-008BALL VALVE1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYPESV-007EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE | ESV-006 | EMERGENCY SHUT-OFF VALVE | 1 1/2" EMERGENCY SHUT-OFF VALVE |
| ESV-007EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVERD-004REMOTE DISPENSERGILBARCO GASBOY 9153KX DISPENSERESV-008EMERGENCY SHUT-OFF VALVE1 1/2" EMERGENCY SHUT-OFF VALVE | BV-007 | BALL VALVE | 1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP |
| RD-004 REMOTE DISPENSER GILBARCO GASBOY 9153KX DISPENSER ESV-008 EMERGENCY SHUT-OFF VALVE 1 1/2" EMERGENCY SHUT-OFF VALVE | BV-008 | BALL VALVE | 1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP |
| ESV-008 EMERGENCY SHUT-OFF VALVE 1 1/2" EMERGENCY SHUT-OFF VALVE | ESV-007 | EMERGENCY SHUT-OFF VALVE | 1 1/2" EMERGENCY SHUT-OFF VALVE |
| | RD-004 | REMOTE DISPENSER | GILBARCO GASBOY 9153KX DISPENSER |
| BV-009 BALL VALVE 1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP | ESV-008 | EMERGENCY SHUT-OFF VALVE | 1 1/2" EMERGENCY SHUT-OFF VALVE |
| | BV-009 | BALL VALVE | 1 1/2"-#150-SS RAISED FACE BALL VALVE,ASME/ANSI B16.34 TYP |

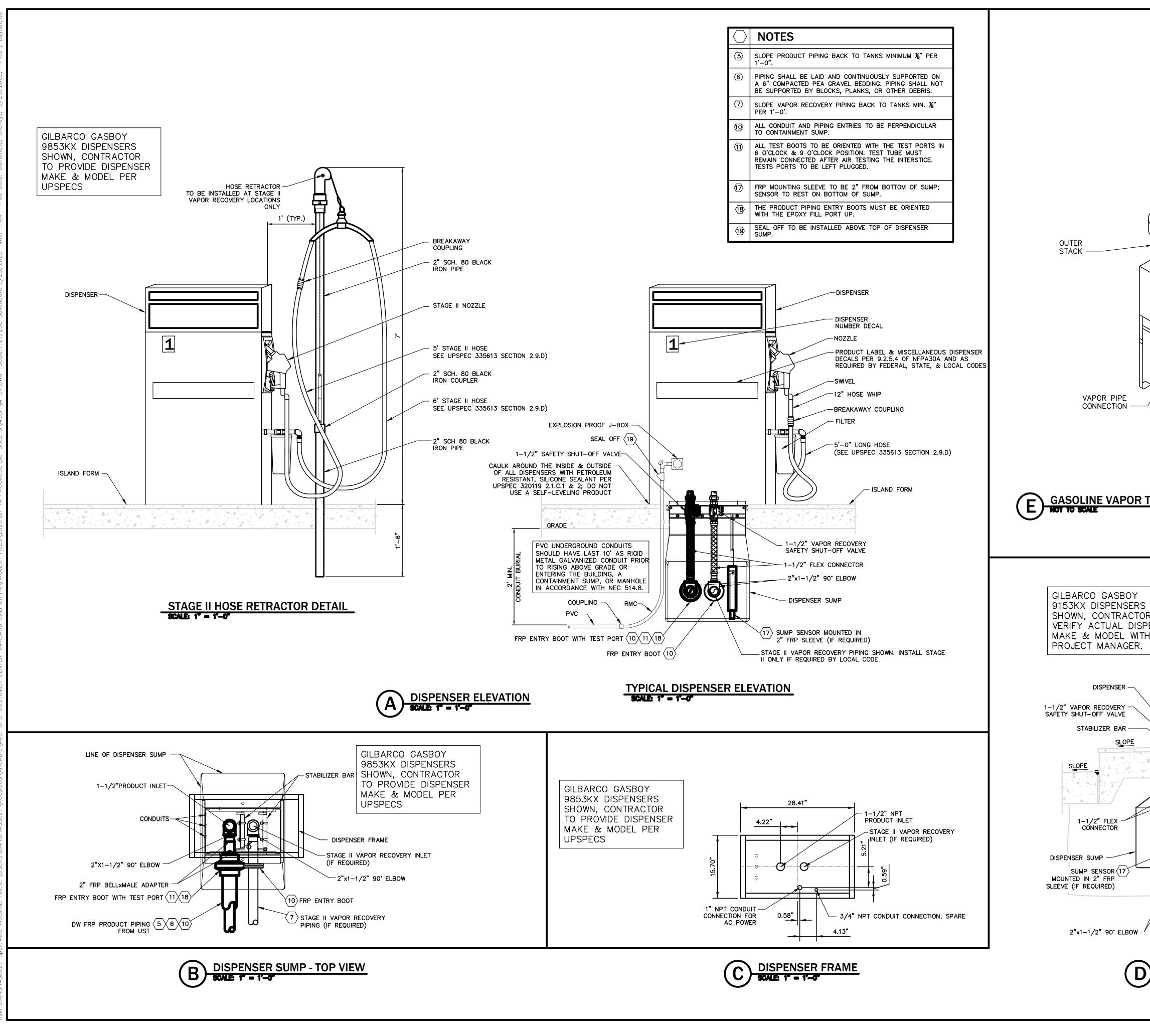


| | LEGAL ENTITY: |
|---|--|
| | ARCADIS U.S., INC. |
| | |
| REMOTE DISPENSER (TYP) | |
| RD-003 RD-004 | |
| | |
| EMERGENCY SHUT-OFF VALVE (TYP) | SEALS |
| | No. M-35756 |
| $\begin{array}{c} X^{7} & X^{7} \\ T & X^{7} \\ T & Y^{7} \\ T & Y^{$ | 5/25/2023 |
| | UPS OAKLAND, CALIFORNIA |
| → Jad No Hode Hode DISPENSER SUMP (TYP) Har Har Hode SUMP (TYP) | |
| -1/2" | |
| 2" FRP-VAPOR REDUCER (TYP) | |
| 2"FRP-SUPPLY | |
| | |
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| | 2 05/25/23 ISSUED FOR PERMIT AAZ |
| | 103/22/23CLIENT REVIEWAAZNO.DATEISSUED FORBY |
| | COPYRIGHT: ARCADIS U.S., INC. 2023 |
| | DATE: <u>MAY 2023</u> PROJECT NO.: <u>30136437</u> |
| | FILE NAME: <u>M-04</u> DESIGNED BY: <u>A. AZZAWI</u> |
| | DRAWN BY: <u>K. GULDAGAD</u> CHECKED BY: <u>A. AZZAWI</u> |
| | SHEET TITLE MECHANICAL |
| | GASOLINE DISPENSING |
| | SYSTEM SCHEMATIC & PROCESS FLOW |
| | |
| | |
| NOTES: 1. LADDER AND PLATFORM NOT SHOWN FOR CLARITY. | SCALE: N.T.S. |
| LADDER AND PLATFORM NOT SHOWN FOR CLARITY. FUSIBLE LINK VALVE AT DISCHARGE OF PUMP. TANK VENT WILL BE AT MINIMUM 12'-0" ABOVE GRADE. | M-04 SHEET 13 OF 27 |
| | |



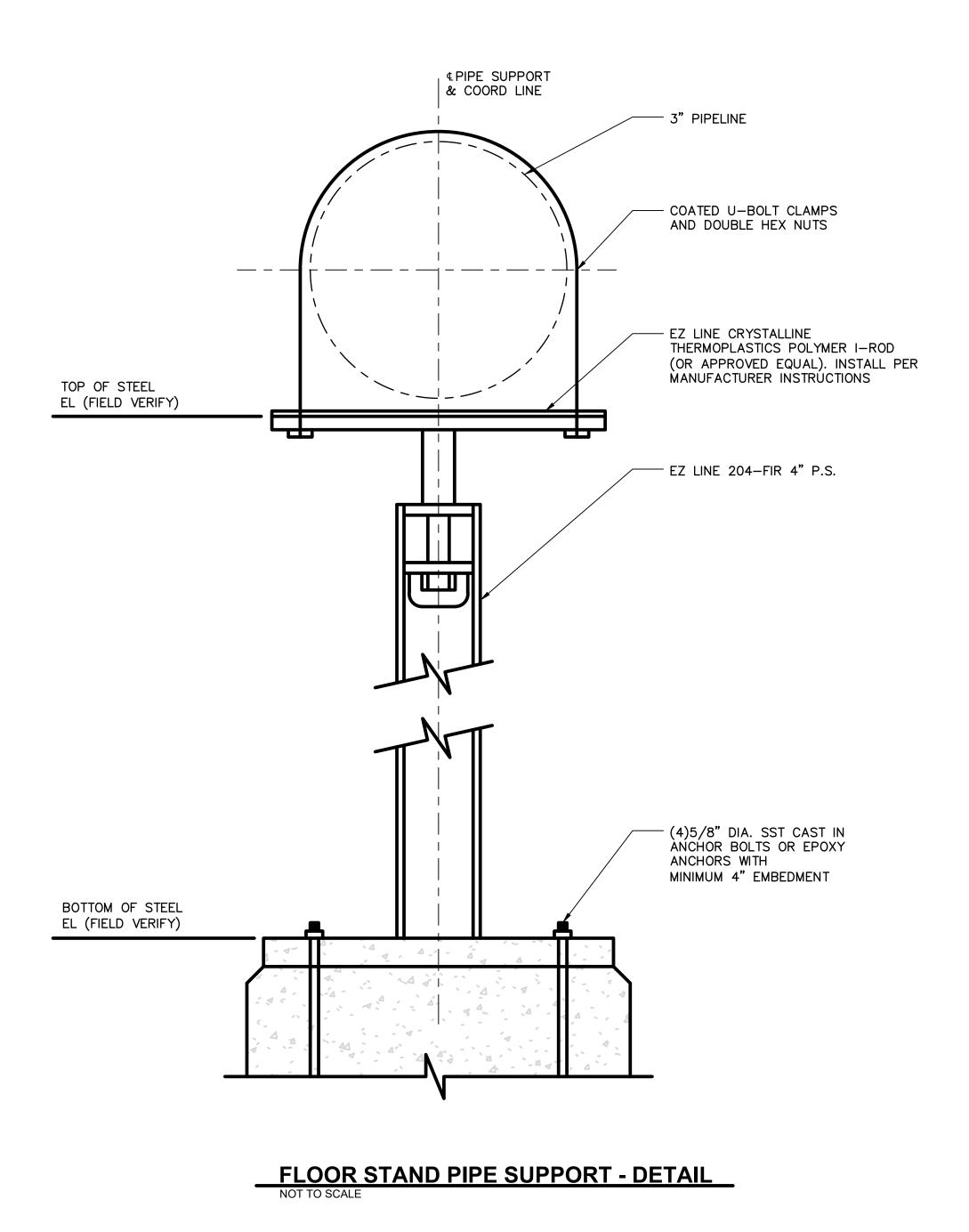
| ARCADI | S | | |
|---|-----------|--|--|
| LEGAL ENTITY: ARCADIS U.S., INC. | | | |
| CONSULTANTS | | | |
| | | | |
| SEALS | | | |
| No. M-35756 * MECHANICA SOF CALIFORNIA 505 2023 | | | |
| UPS OAKLAND, CALIFORM | NIA | | |
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| 2 05/25/23 ISSUED FOR PERMIT | | | |
| 103/22/23CLIENT REVIEWNO.DATEISSUED FOR | AAZ BY | | |
| COPYRIGHT: ARCADIS U.S., INC. 2023 | | | |
| DATE: <u>MAY 2023</u> PROJECT NO.: <u>30136437</u> | | | |
| FILE NAME: <u>M-05</u> | | | |
| DESIGNED BY: <u>A. AZZAWI</u> DRAWN BY: <u>K. GULDAGAD</u> | | | |
| CHECKED BY: <u>A. AZZAWI</u> | | | |
| SHEET TITLE MECHANICAL | | | |
| AST FUEL LAYOUT AND HOSE DISPENSERS | | | |
| | | | |
| SCALE: AS SHOWN | | | |
| M-05 | | | |
| SHEET <u>14</u> OF <u>27</u> | | | |





2"x1-1/2" 90" ELBOW -

| | ARCADIS |
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| | LEGAL ENTITY: ARCADIS U.S., INC. |
| | CONSULTANTS |
| | |
| | |
| WEATHER COVER | |
| SHELL | |
| | SEALS |
| | No. M-35756 |
| AIR GAP | OF CALIFORNIA 5 05 2023 |
| | |
| | UPS OAKLAND, CALIFORNIA |
| BASE | |
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| IERMAL OXIDIZER - GENERAL ARRANGEMENT | |
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| TO | 2 05/25/23 ISSUED FOR PERMIT AAZ |
| NSER UPS | 103/22/23CLIENT REVIEWAAZNO.DATEISSUED FORBY |
| | COPYRIGHT: ARCADIS U.S., INC. 2023 |
| | DATE: <u>MAY 2023</u> |
| ISLAND FORM | PROJECT NO.: <u>30136437</u> FILE NAME: <u>M-07</u> |
| SLOPE A M-06 | DESIGNED BY: <u>A. AZZAWI</u> DRAWN BY: <u>K. GULDAGAD</u> |
| | CHECKED BY: <u>A. AZZAWI</u> |
| 11 (18) FRP ENTRY BOOT | SHEET TITLE MECHANICAL |
| 7 STAGE II VAPOR RECOVERY 10 PIPING (IF | PACKAGED CAR |
| | FUELING |
| DW FRP PRODUCT PIPING | DISPENSER DETAILS |
| 2" FRP 2 FR | |
| BELLXMALE ADAPTER (11/18) FRP ENTRY BOOT WITH TEST PORT | SCALE: |
| SECTION THROUGH DISPENSER | AS SHOWN |
| | M-07 SHEET <u>16</u> OF <u>27</u> |
| | |



| C | A | RCADI | S |
|---------------------------|------------------------------|--|------------------|
| | L ENTITY: DIS U.S., | INC. | |
| CONS | ULTANTS | | |
| | | | |
| SEALS | NATION OF OFFICE | ROFESSIONUL EN QUOCIERS M-35756 * CHANICAL FORMA OF CALIFORNIA 5 25 2023 | |
| UP | S OAKL | AND, CALIFORN | AIF |
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ELECTRICAL SPECIFICATIONS:

GENERAL 1. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR. 2. ALL NEW ELECTRICAL EQUIPMENT SHALL BE U.L. LISTED AND LABELED. 3. ALL NEW ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF NFPA-70 NEC. 4. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND THEIR PROPOSAL SHALL INCLUDE ALL CONTINGENCIES NECESSARY FOR THE COMPLETION OF THEIR WORK REGARDING SUCH EXISTING CONDITIONS. 5. ALL ELECTRICAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2020 CALIFORNIA ELECTRICAL CODE AND ALL LOCAL, STATE AND FEDERAL REGULATIONS INCLUDING THE MOST RECENT EDITION OF THE NATIONAL ELECTRIC CODE (NEC) AND OSHA AND UPS REQUIREMENTS, ALL AS INTERPRETED BY THOSE HAVING JURISDICTION. THE CONTRACTOR SHALL BERESPONSIBLE FOR ANY COORDINATION REQUIRED WITH THE LOCAL FIRE DEPARTMENT. ANY DRAWINGS REQUIRED FOR PERMITS OTHER THAN THOSE PRESENTED HEREIN WILL BE THE RESPONSIBILITY OF THE ENGINEER PRIOR TO USE. 6. THERE SHALL BE NO SUBSTITUTIONS UNLESS THE CONTRACTOR HAS OBTAINED WRITTEN APPROVAL FROM THE OWNER AFTER HAVING SUBMITTED AN ALTERNATIVE PROPOSAL COMPLETE WITH A DESCRIPTION OF DEVIATION FROM THE SPECIFICATIONS AND A STATEMENT OF BENEFITS TO BE DERIVED SHOULD SUCH A PROPOSED SUBSTITUTE BE ACCEPTED. 7. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW THE APPROXIMATE LOCATIONS OF OUTLETS, CONDUIT, JUNCTION BOXES, EQUIPMENT, ETC. DIMENSIONS PRESENTED ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND ALL DIMENSIONS, WHETHER SHOWN ON THE DRAWINGS OR SCALED, SHALL BE VERIFIED IN THE FIELD. 8. UNLESS OTHERWISE NOTED, CONDUIT USE SHALL BE AS FOLLOWS: A.CONDUIT ABOVE GRADE AND EXPOSED TO THE ELEMENTS SHALL BE RIGID GALVANIZED STEEL (RGS). B.EXPOSED CONDUIT ABOVE GRADE AND PROTECTED FROM THE ELEMENTS SHALL BE RGS. C.FINAL CONNECTION TO MOVING EQUIPMENT (i.e. MOTORS, TRANSFORMERS, FREE STANDING EQUIPMENT, ECT.) SHALL BE BY LIQUID TIGHT FLEXIBLE METALLIC CONDUIT. 9. INSTALL PULL BOXES, JUNCTION BOXES, SPLICE BOXES AND FITTINGS WHERE SHOWN AND AT OTHER LOCATIONS AS NECESSARY. PULL AND JUNCTION BOX MATERIAL SHALL MATCH THE CONDUIT SYSTEM ATTACHED. 10.ALL 120 VOLT, SINGLE PHASE, 20 AMPERE RECEPTACLE OUTLETS USED BY THE WORKERS SHALL BE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE. ALL RECEPTACLES INSTALLED OUTDOORS SHALL BE WEATHER RESISTANT, GFCI TYPE RECEPTACLES, PER NEC 406.9. RIGID METAL CONDUIT (RGS) 1. TO BE USED ON ALL ABOVE GRADE APPLICATIONS, WITHIN VAULTS, AND WHERE PHYSICAL DAMAGE MAY OCCUR. 2. GALVANIZED STEEL, HOT-DIPPED ZINC, ANSI STANDARD C80.1 AND C80.4. 3. MANUFACTURER SHALL BE ALLIED TUBE & CONDUIT CORPORATION, TRIANGLE WIRE AND CABLE INC., OR EQUAL. LIQUID-TIGHT FLEXIBLE METAL CONDUIT 1. INTERLOCKED FLEXIBLE GALVANIZED STEEL CONSTRUCTION WITH LIQUID-TIGHT PVC JACKET, CONFORMING TO FEDERAL SPECIFICATION WF406 AND UL 360. 2. FITTING: MALLEABLE IRON, CADMIUM-PLATED FITTINGS WITH COMPRESSION TYPE STEEL FERRULE AND NEOPRENE GASKET SEALING RINGS WITH INSULATED THROAT, CONFORMING TO UL514B. 3. MANUFACTURER SHALL BE AMERICAN BRASS COMPANY, ELECTRI-FLEX, OR EQUAL. 4. USE FOR TERMINATIONS TO MOTOR, TRANSFORMERS, AND VIBRATING EQUIPMENT, WITH LENGTH NOT TO EXCEED 4 FEET. 5. USE POLYWATER FST DUCT SEALANT FOR ALL ELECTRICAL CONDUIT SEALING.

JUNCTION BOXES

1. JUNCTION BOXES SHALL BE PAINTED CARBO FITTINGS SHALL BE OF GALVANIZED STEEL, STEEL, OR COPPER FREE ALUMINUM.

A.UL LISTED AND RATED FOR OUTDOOR, AERI WIRES AND CABLES

1. GENERAL

A.ALL CONDUCTORS, UNLESS OTHERWISE NOT STRANDED COPPER, CONSTRUCTED OF SOF ANNEALED COPPER.

B.CONDUCTORS INSULATION SHALL BE COLOR COLOR OF INSULATION ONE COLOR THROU RUN.

C.277/480 VAC, THREE PHASE, 4 WIRE - PHASE A = BROWN

- PHASE B = ORANGE - PHASE C = YELLOW
- NEUTRAL = WHITE - GROUND = GREEN

D.120/208 VAC, THREE PHASE, 4 WIRE

- PHASE A = RED
- PHASE B = BLACK - PHASE C = BLUE
- NEUTRAL = WHITE - GROUND = GREEN
- 2. LOW VOLTAGE CONDUCTORS
- A.ALL CONDUCTORS FOR POWER, LIGHTING A CONTROL SHALL BE RATED A MINIMUM 60
- B.CONDUCTORS SHALL BE CONSTRUCTED OF C COPPER CONCENTRIC-LAY-STRANDED W
- C.POWER CONDUCTORS SHALL BE TYPE THWN XHHW WITH PVC INSULATION AND NYLON JACKET. 60 C RATED.
- 3. INSTRUMENTATION CABLES
- A.TWISTED PAIR OF NO. 18 AWG TINNED COATED CLASS C COPPER CONCENTRIC LAY STRANDED WIRES WITH AN ALUMINUM POLYESTER SHIELD AND COPPER DRAIN (TSP). RATED FOR 300V AND COLOR COATED PVC OUTER JACKET.
- 4. CONNECTORS
- A.PIGTAIL SPLICING #10 AND SMALLER, USE TAPERED SPRING WIRE NUTS. MANUFACTURER SHALL BE IDEAL WING NUT, BUCHANAN B-CAP, T&B PIGGIES, OR EQUAL.
- B.FOR TERMINATION OF #14 CONTROL WIRES TO TERMINALS, USE INSULATED COMPRESSION SPADE TYPE CONNECTORS. MANUFACTURER SHALL BE BURNDY HYDENT, T&B STA-KON, OR EQUAL.
- C.SPLICES AND TERMINALS FOR #8 AND LARGER SHALL BE COPPER COMPRESSION TYPE."MANUFACTURER SHALL BE BURNDY HYDENT OR HYLUG, T&B, STA-CON, OR EQUAL.
- D.CONNECTORS IN VAULTS OR HANDHOLES SHALL BE RATED FOR SUBMERSIBLE APPLICATIONS.
- E.FIXTURE CONNECTIONS MANUFACTURER SHALL BE T&B STA-KON SERIES PT-66M, IDEAL CRIMP SLEEVE NO. 410 WITH LONG BARREL, OR EQUAL

GROUNDING

- 1. GROUNDING OF ELECTRICAL SYSTEMS AND EQUIPMENT SHALL. AT A MINIMUM, MEET THE REQUIREMENTS OF THE NEC ARTICLE 250 OR SHALL EXCEED ARTICLE 250 AS HEREIN SPECIFIED.
- 2. ALL CONDUITS SHALL HAVE AN INTERNAL GROUND CONDUCTOR. THIS GROUND CONDUCTOR SHALL BE PROVIDED ALTHOUGH IT MAY NOT BE SHOWN OR SCHEDULED ON THE PLANS.

ENCLOSURE

- 1. ENCLOSURES SHALL BE NEMA RATED FOR LOCATION UNLESS OTHERWISE NOTED.
- 2. WET LOCATIONS OR OUTDOORS, ENCLOSURES SHALL BE NEMA TYPE 4 PAINTED CARBON STEEL. NEMA TYPE 3R MAY BE USED IF APPROVED BY ELECTRICAL ENGINEER.
- 3. ENCLOSURES SHALL HAVE NAMEPLATE ON THE EXTERIOR IDENTIFYING THE APPLICATION FUNCTION OF THE EQUIPMENT ENCLOSED.

ELECTRICA

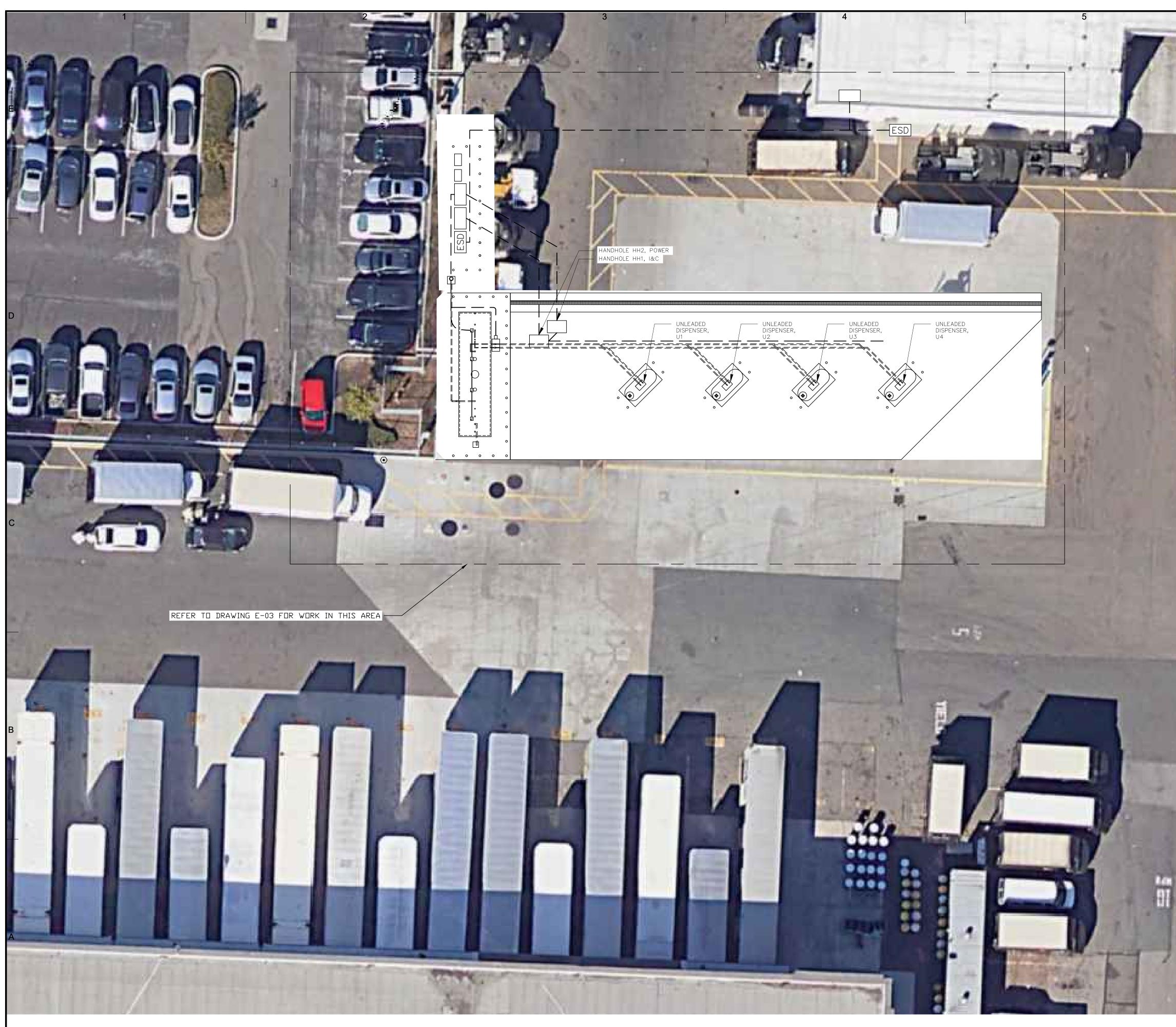
| | DISCONNECT SWITCHES | J | JUNCTION B |
|--|--|-------------------------|---|
| RBON STEEL (NEMA 4). _, PAINTED CARBON | 1. SINGLE THROW, CIRCUIT DISCONNECT SWITCHES: | | |
| ERIAL APPLICATIONS. | A.TYPE: FUSED OR UNFUSED, HORSEPOWER RATED, HEAVY-DUTY, SINGLE THROW, QUICK-MAKE, QUICK-BREAK MECHANISM, VISIBLE BLADES IN THE "OFF" POSITION AND SAFETY HANDLE. | $\textcircled{\bullet}$ | GROUNDING TRIPPING HA GROUNDING TRAFFIC RA |
| IOTED, SHALL BE SOFT DRAWN OR | B.RATING: VOLTAGE AND CURRENT RATINGS AND NUMBER OF POLES AS DISCONNECTED. SWITCHES SHALL BEAR A UL LABEL AND SHALL COMPLY WITH THE REQUIREMENTS OF UL 98, NEMA KS 1, AND NEMA 250. C.SQUARE-D COMPANY, CUTLER-HAMER, GENERAL ELECTRIC | FJ _{60/40} | DISCONNECT FUSING, WH AMP RATING PRO∨IDED. |
| OR CODED, WITH | COMPANY, SIEMENS, OR APPROVED EQUAL. | | CONDUIT. AI |
| OUGHOUT THE ENTIRE | LIGHTING | | |
| | 1. THE AREA LIGHTING SHALL COMPLY WITH TITLE 24 PART 6 AND PART 11, CALIFORNIA – ENERGY CODE. | | CONDUIT. BE |
| | | | ELECTRONIC |
| | | 4 | COMPRESSIO |
| | | T | GROUNDING/ |
| | | | EXOTHERMIC GROUNDING/ |
| AND 120 VAC | | | , |
| 600 VAC. | | | TRANSFORME |
| F UNCOATED CLASS WIRES. | | ļ Ā | DISCONNECT |
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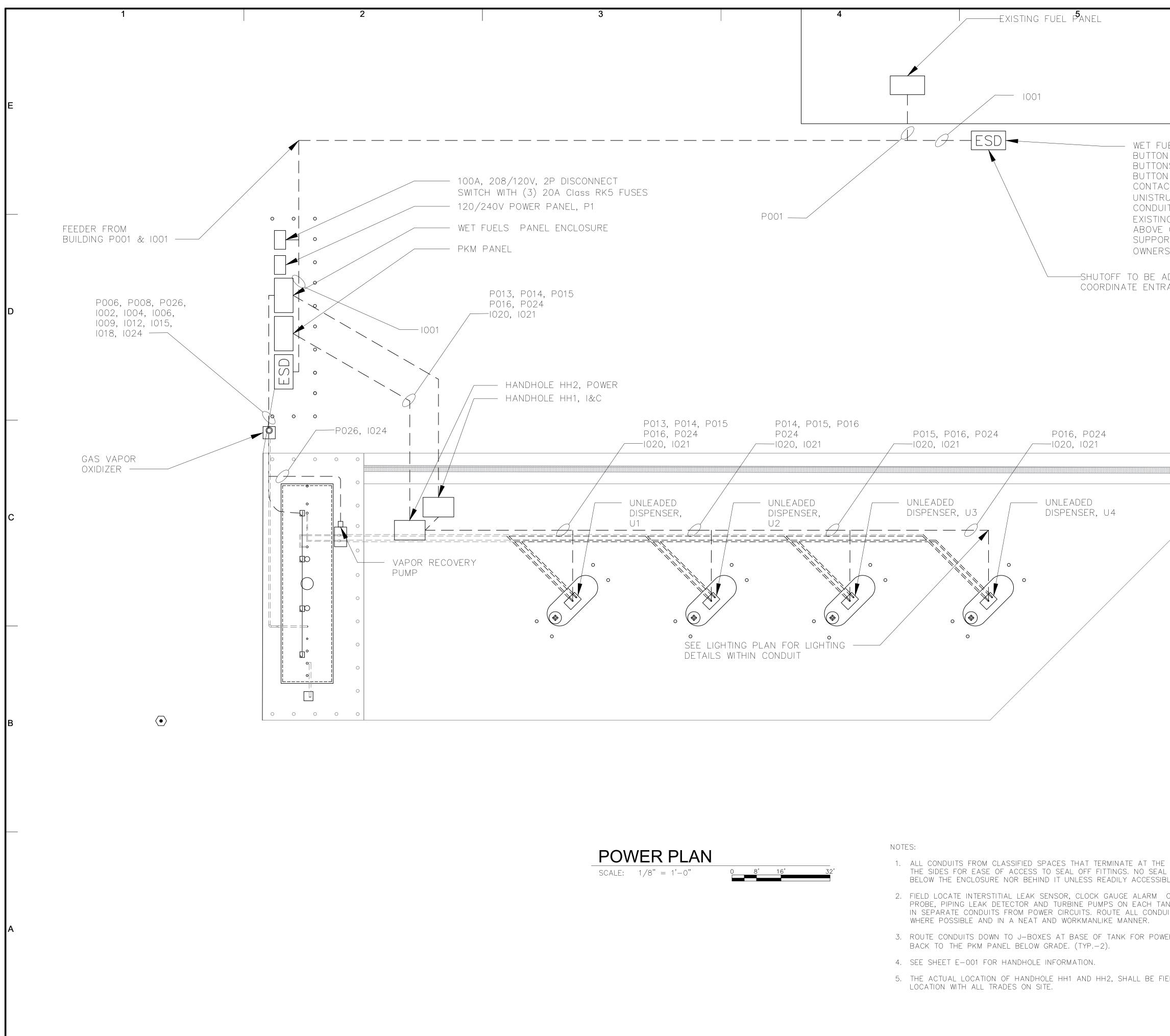
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| | HANDHL | ILE SCH |
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| DESIGNATOR | SIZE | |
| HH1 | 13W X 24"L X 24"D | TIER 22 POLYMER BOTTOM, PROVI ″ELECTRIC″, QUAZ |
| HH2 | 24″W X 36″L X 24″D | TIER 22 POLYMER BOTTOM, PROVI "CONTROLS", QUAZ |

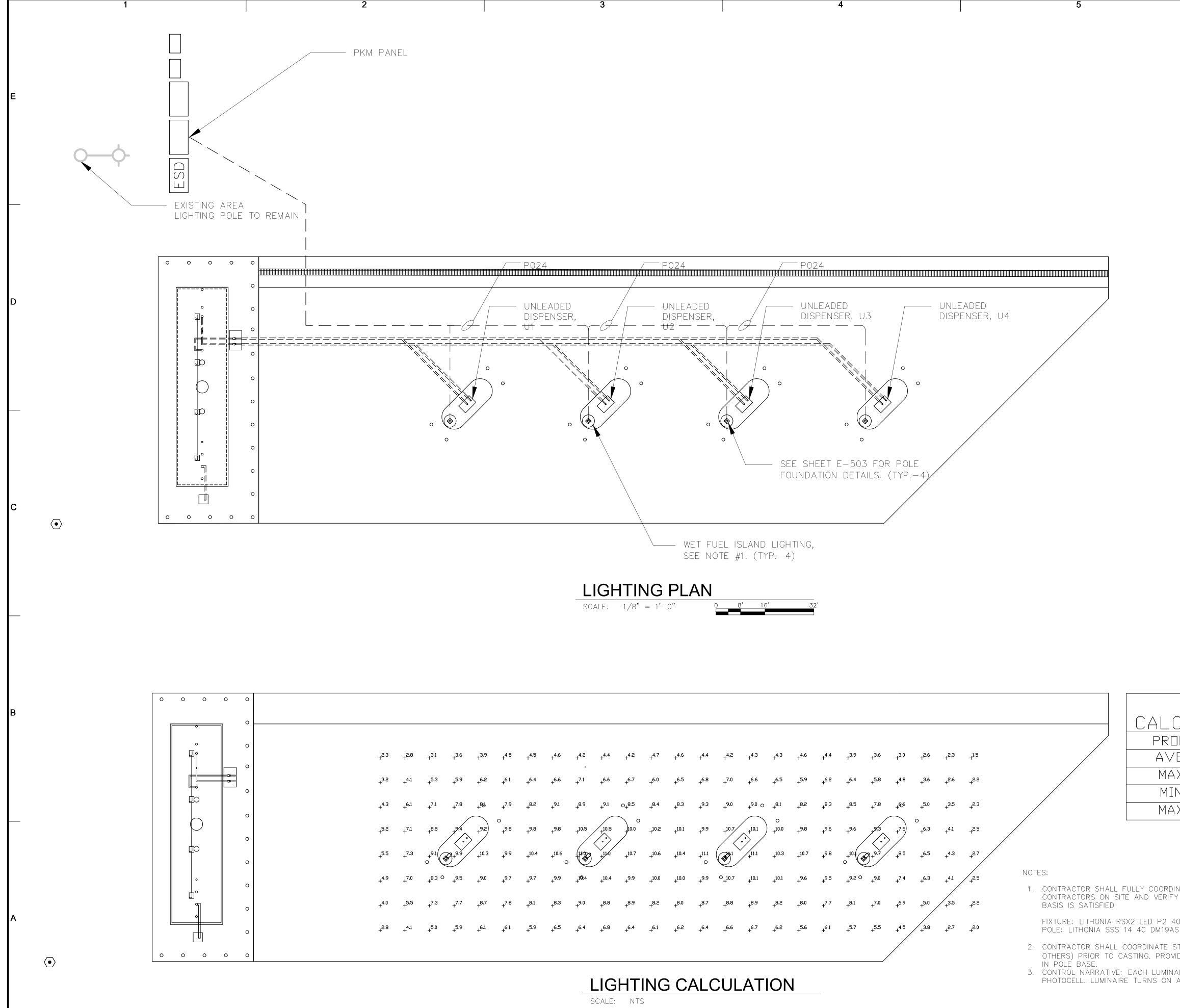
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| L SYMBOLS | LEGAL ENTITY: ARCADIS U.S., INC. |
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| N BOX; SIZE AS REQUIRED BY N.E.C. | |
| NG ELECTRODE, ROD, LOCATE SO AS TO REDUCE 5 HAZARDS. PRO∨IDE BOLTED CONNECTION FOR NG CONDUCTOR(S). PRO∨IDE 12″ DIAMETER X 24″ DEEP RATED GROUND TEST WELL AT EACH LOCATION | |
| ECT SWITCH – NON-FUSED OR FUSED, F DENOTES WHERE INDICATED. FIRST NUMBER DENOTES SWITCH ING. SECOND NUMBER DENOTES FUSE SIZE WHEN ID. | |
| . ABD∨E GRADE | SEALS |
| . BELOW GRADE | SEALS |
| INIC HELD CONTACTOR | E 18285 |
| SSION STYLE NG/BONDING CONNECTION | OF CALIFORNIA |
| MIC WELD NG/BONDING CONNECTION | UPS OAKLAND, CALIFORNI |
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| ECT SWITCH WITH FUSE | |
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| ER CONCRETE HANDHOLE WITH STRAIGHT SIDES AND OPEN /IDE TIER 22 BOLTED COVER FACTORY EMBOSSED WITH AZITE #PG1324BA24 W/ COVER #PG1324HH0017, OR EQUAL | |
| ER CONCRETE HANDHOLE WITH STRAIGHT SIDES AND OPEN /IDE TIER 22 BOLTED COVER FACTORY EMBOSSED WITH | COPYRIGHT: ARCADIS U.S., INC. 2021 |
| AZITE #PG2436BA24 W/ COVER #PG2436HH0014, DR EQUAL | DATE: MAY 2023 |
| | PROJECT NO.: 30136437 FILE NAME: E-01 |
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| JELS SYSTEM EMERGENCY SHUT DOWN N WITH BACK BOX. DAISY CHAIN | |
| NS SUCH THAT ACTIVATION OF ANY N TRIPS THE WET FUELS POWER | |
| CTOR TO CUT SYSTEM POWER. PROVIDE UT/HARDWARE AS NEEDED TO ROUTE IT ALONG BOTTOM STRUCTURE OF | |
| IG BUILDING, MOUNT BUTTONS 48" GRADE. COORDINATE PAINTING OF | SEALS |
| RTS AND CONDUITS IN FIELD WITH S REPRESENTATIVE. (TYP2) | ALD PROFESSIONAL EN |
| ADJACENT TO NEAREST BUILDING. Rance and stub up location in field. | E 18285 |
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| | DESIGNED BY: ADA |
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| PKM PANEL SHALL STUB UP ON OFF FITTING SHALL BE PLACED BLE AFTER CONSTRUCTION. | POWER PLAN |
| CONTACT, TANK LEVEL MONITORING NK. I&C CIRCUITS SHALL BE ROUTED JITS ALONG ACCESS PLATFORM | |
| ER AND I&C SYSTEMS. CONTINUE | |
| ELD LOCATED. COORDINATE | SCALE: AS NOTED |
| | E-03 |
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| OK R5 MVOLT SPA PE EGFV BS DDBXD S DDB |
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| TUBBING UP CONDUIT INTO FOUNDATION (B) IDE TERMINATIONS TO TAP LIGHTING CIRCUIT |
| AIRE IS CONTROLLED BY AN ATTACHED AT DUSK AND TURNS OFF AT DAWN |

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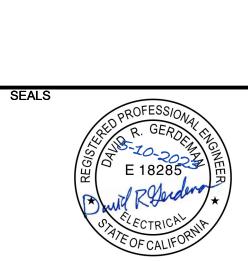
1. CONTRACTOR SHALL FULLY COORDINATE INSTALLATION WITH ALL TRADES AND CONTRACTORS ON SITE AND VERIFY SPECIFIED LIGHTING LEVELS AND DESIGN

| ILLUMI | NATION |
|---------|------------|
| CULATIE | IN RESULTS |
| DPERTY | VALUE |
| VERAGE | 7.1 FC |
| AXIMUM | 11.1 FC |
| INIMUM | 1,5 FC |
| AX/MIN | 7,4:1 |
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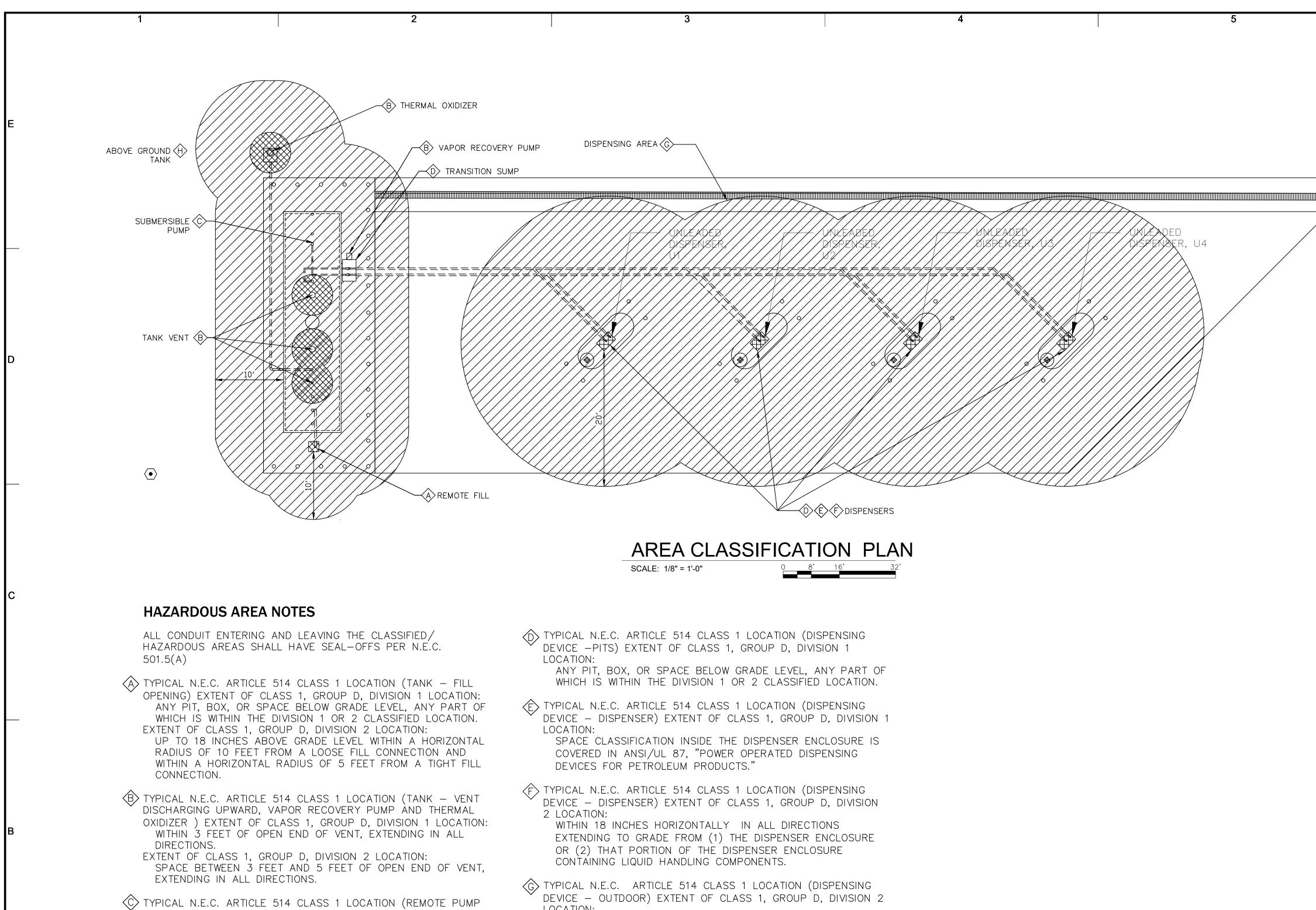
REFUELING FACILITY

UPS OAKLAND, CALIFORNIA



ARCADIS

LEGAL ENTITY: ARCADIS U.S., INC.



LOCATION: UP TO 18 INCHES ABOVE GRADE LEVEL WITHIN 20 FEET HORIZONTALLY OF ANY EDGE OF ENCLOSURE.

(H) TYPICAL N.E.C. ARTICLE 514 CLASS 1 LOCATION (TANKS -ABOVE GROUND) EXTENT OF CLASS 1, GROUP D, DIVISION 1 LOCATION: ENTIRE INSIDE VOLUME EXTENT OF CLASS 1, DIVISION 2 LOCATION: WITHIN 10 FEET OF SHELL, ENDS, OR ROOF OF TANKS (PER TABLE 514.3 (B)(1)).

- OUTDOORS) EXTENT OF CLASS 1, GROUP D, DIVISION 1

EXTENT OF CLASS 1, GROUP D, DIVISION 2 LOCATION:

ANY PIT, BOX, OR SPACE BELOW GRADE LEVEL IF ANY PART

IS WITHIN A HORIZONTAL DISTANCE OF 10 FEET FROM ANY

WITHIN 3 FEET OR ANY EDGE OF PUMP, EXTENDING IN ALL

DIRECTIONS. ALSO UP TO 18 INCHES ABOVE GRADE LEVEL

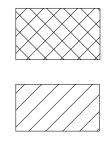
WITHIN 10 FEET HORIZONTALLY FROM ANY EDGE OF PUMP.

LOCATION:

EDGE OF PUMP.

NOTES:



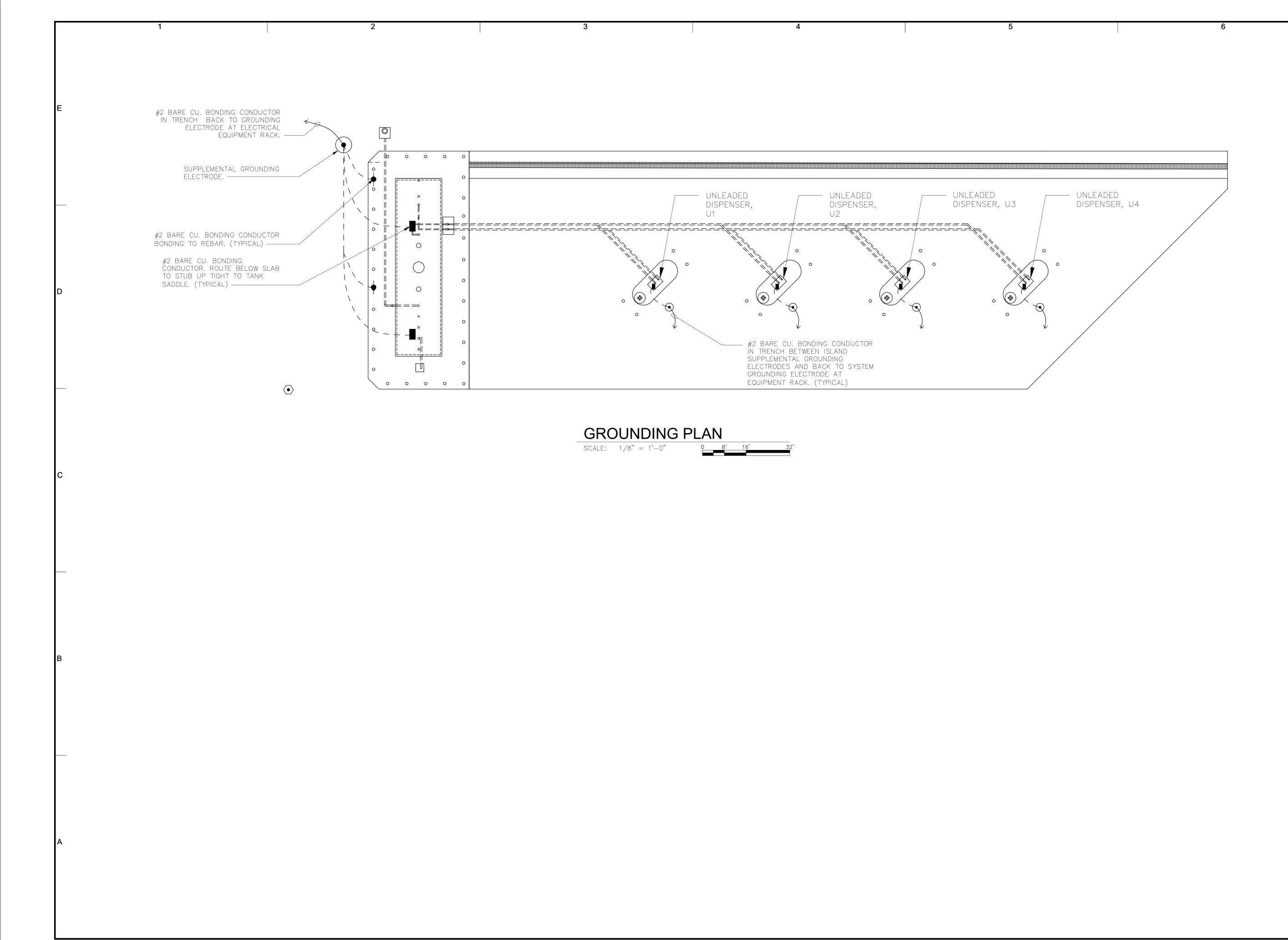


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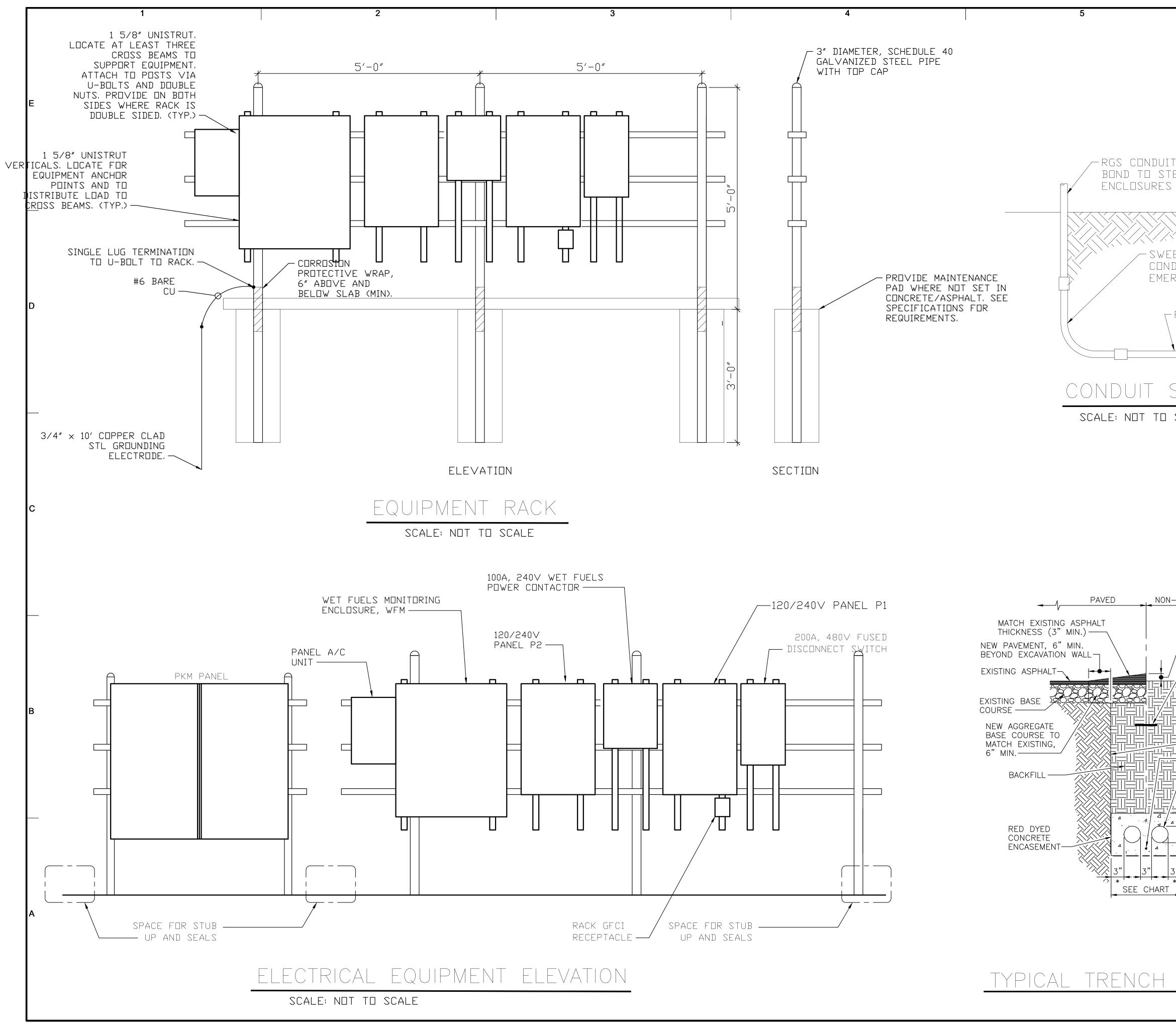
1. ALL CONDUITS FROM CLASSIFIED SPACES THAT TERMINATE AT THE PKM PANEL SHALL STUB UP ON THE SIDES FOR EASE OF ACCESS TO SEAL OFF FITTINGS. NO SEAL OFF FITTING SHALL BE PLACED BELOW THE ENCLOSURE NOR BEHIND IT NEAR THE FENCE UNLESS READILY ACCESSIBLE AFTER CONSTRUCTION.

CLASS 1, DIVISION 1

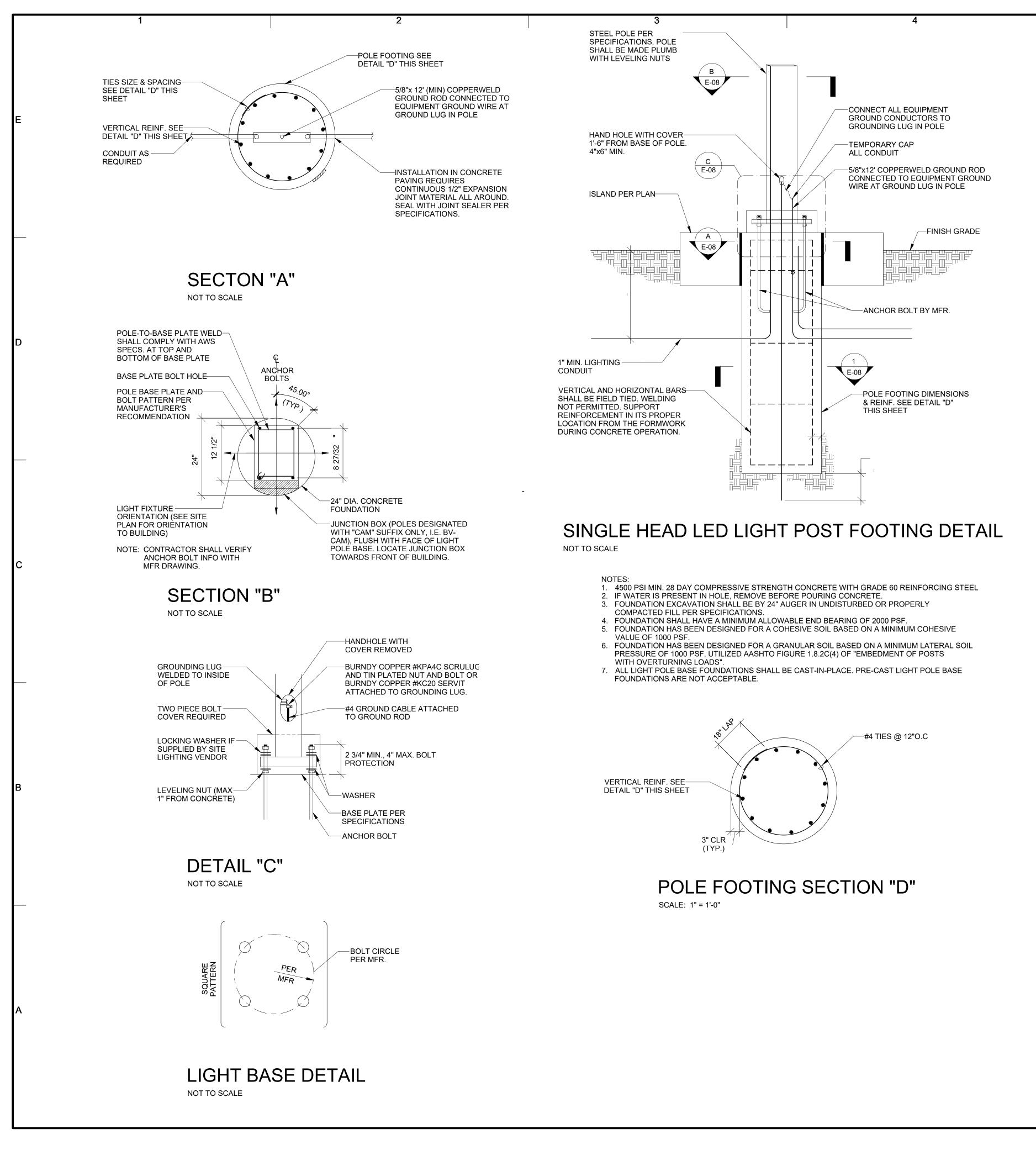
CLASS 1, DIVISION 2

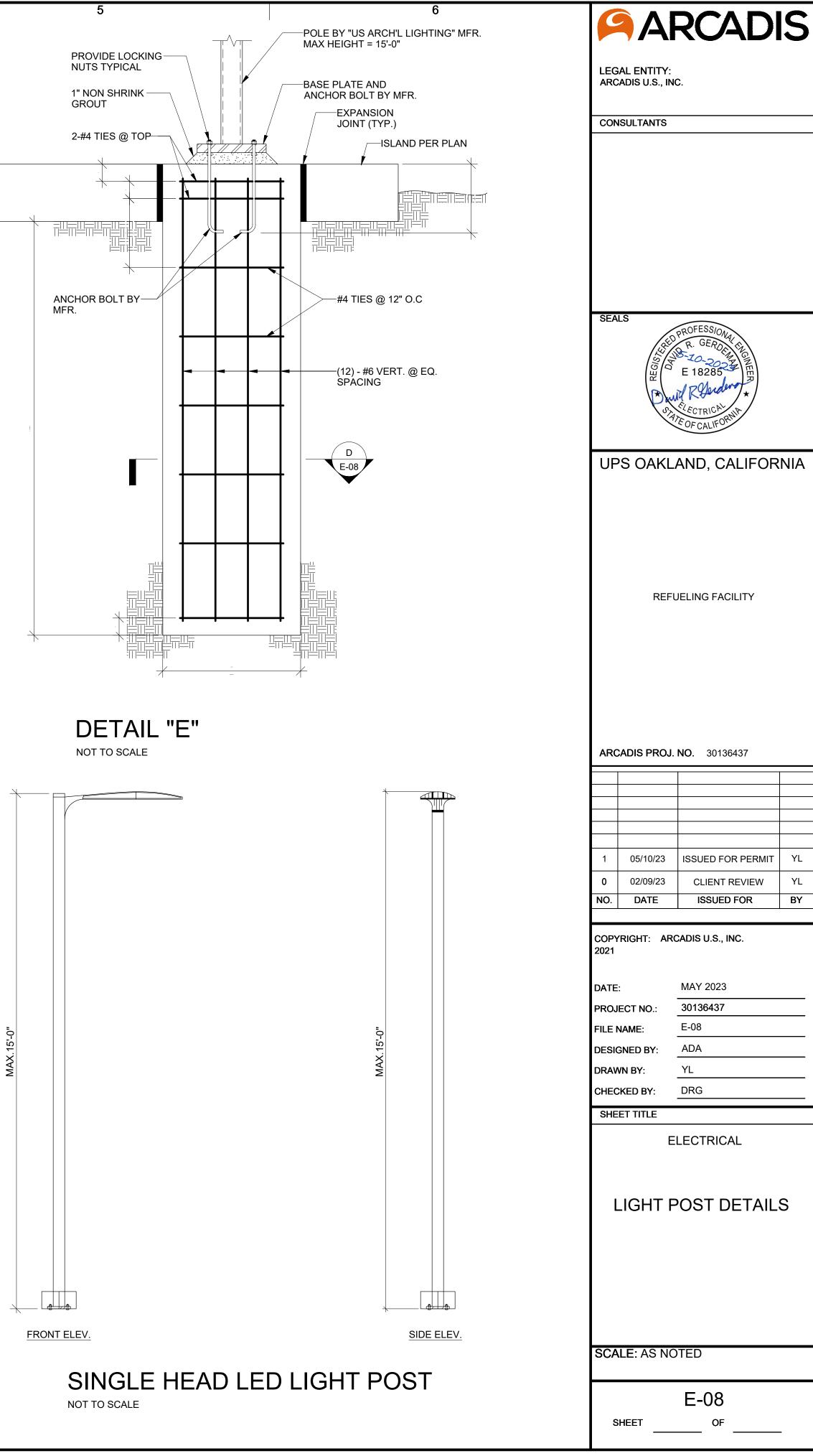


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| LEGAL ENTITY: ARCADIS U.S., INC. | | | | | | | | | | |
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| UPS OAKLAND, CALIFORNIA | | | | | | | | | | |
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| GROUNDING DETAILS | | | | | | | | | | |
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| SCALE: AS NOTED | | | | | | | | | | |

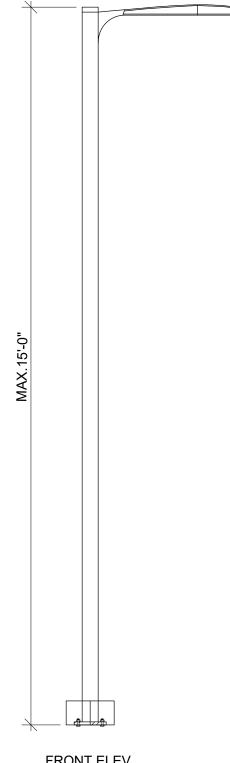


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| EEP AND VERTICAL SHALL BE RGS | ROFESSIONAL |
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| & 2" CROWN AT NON-PAVED AREAS | 0 02/09/23 CLIENT REVIEW YL NO. DATE ISSUED FOR BY |
| 6" WARNING TAPE APPROX. 1'-0" BELOW FINISH GRADE | COPYRIGHT: ARCADIS U.S., INC. |
| FINISH GRADE | 2020 |
| | DATE: MAY 2023 |
| EXISTING SUBGRADE | PROJECT NO.: 30136437 FILE NAME: E-07 |
| | DESIGNED BY: ADA |
| HUKX/X/X/ #4/0 BARE COPPER I GROUND WIRE | DRAWN BY: YL CHECKED BY: DRG |
| 4" OR 6" PVC | SHEET TITLE |
| | ELECTRICAL |
| | |
| | ELECTRICAL |
| 3" | DETAILS |
| | |
| | |
| | |
| | SCALE: AS NOTED |
| SECTION | E-07 |
| | E-U7 SHEET OF |
| | |



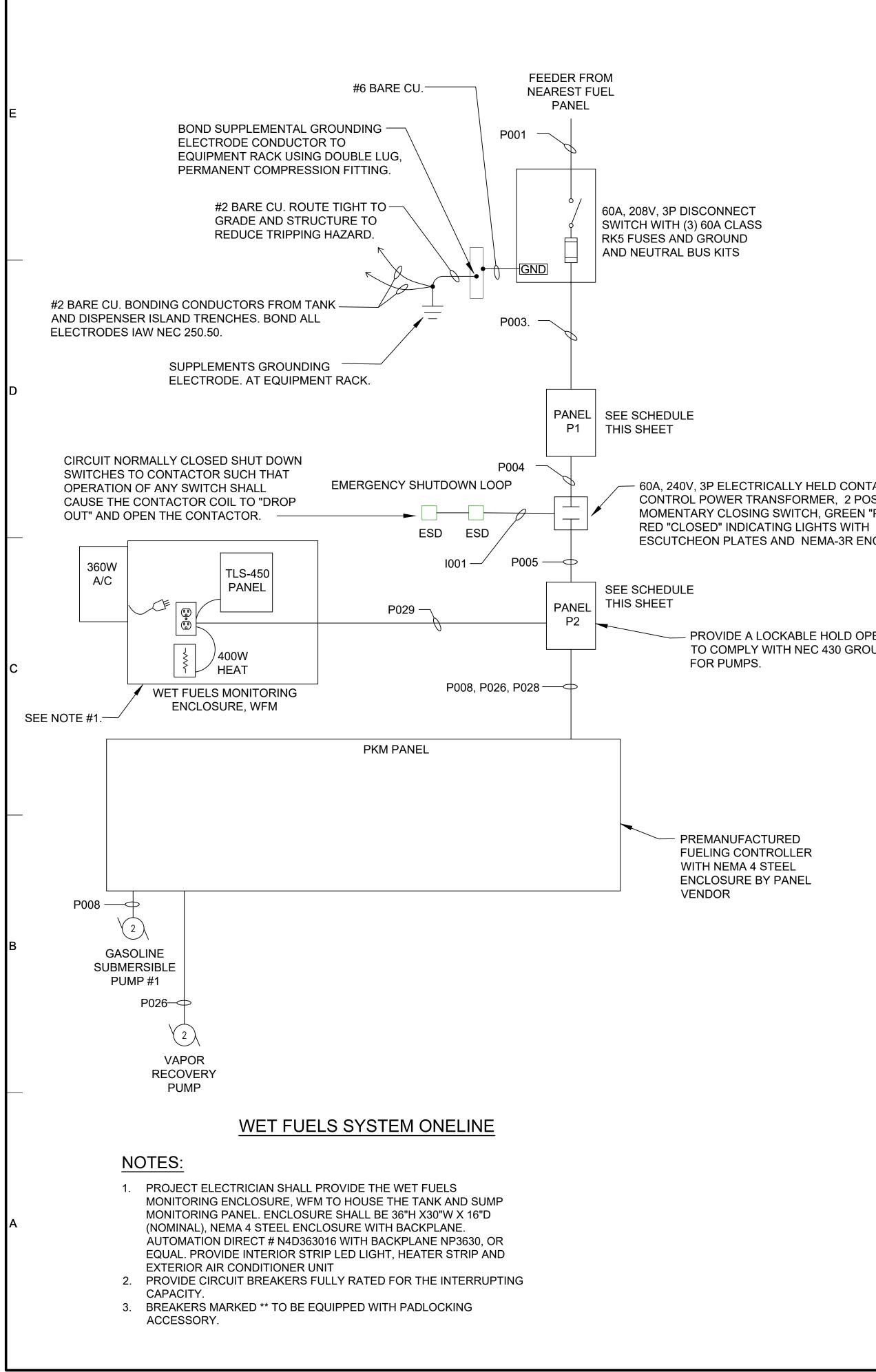






| 2 | 3 4 | | | | | 5 | | |
|------|--------|-------------|--------|----------------------------------|---|---|--|--|
| | | | | CONDUIT SCHEDULE | | | | |
| | DUIT | | | ГРПМ | тп | DEMADKS | | |
| ND. | SIZE | CONDUCTORS | GROUND | FROM | ΤO | REMARKS | | |
| P001 | 1 1/2" | (4) #2 | #8 | 208∨ FUEL PANEL IN BUILDING | WET FUEL SYSTEM FUSED DISCONNECT | | | |
| P003 | 1 1/2″ | (4) #2 | #8 | WET FUEL SYSTEM FUSED DISCONNECT | POWER PANEL P1 | | | |
| P004 | 1 1/4″ | (4) #4 | #8 | POWER PANEL P1 | WET FUELS POWER CONTACTOR | | | |
| P005 | 1 1/4" | (4) #4 | #8 | WET FUELS POWER CONTACTOR | POWER PANEL P2 | WET FUELS POWER VIA CONTACTOR | | |
| P006 | 3/4″ | (2) #12 | #12 | PKM PANEL | GAS THERMAL DXIDIZER | | | |
| P008 | 3/4″ | (2) #12 | #12 | POWER PANEL P2 | GAS SUBMERSIBLE PUMP #1 | 240∨ TANK PUMP P⊡WER | | |
| P013 | 1″ | (2) #12 | #12 | PKM PANEL | UNLEADED DISPENSER , U1 | | | |
| P014 | 1″ | (2) #12 | #12 | PKM PANEL | UNLEADED DISPENSER , U2 | | | |
| P015 | 1″ | (2) #12 | #12 | PKM PANEL | UNLEADED DISPENSER , U3 | | | |
| P016 | 1″ | (2) #12 | #12 | PKM PANEL | UNLEADED DISPENSER , U4 | | | |
| P024 | 1″ | (2) #12 | #12 | POWER PANEL P1 | LIGHTING POLES | | | |
| P026 | 1″ | (2) #12 | #12 | POWER PANEL P2 | POWER PANEL P2 VAPOR RECOVERY PUMP | | | |
| P028 | 3/4″ | (2) #12 | #12 | POWER PANEL P2 | PKM PANEL | PANEL POWER (1) GROUND TO B | | |
| P029 | 3/4″ | (2) #12 | #12 | POWER PANEL P1 | | | | |
| I001 | 3/4″ | (2) #12 | #12 | SHUNT TRIP CONTACTOR | ESD BUTTONS | EMERGENCY SHUTDOWN LOOP | | |
| 1002 | 1″ | (8) #14 | #14 | WET FUELS MONITOR ENCLOSURE | GASOLINE INST J-BOX | CONTACT CIRCUITS TO SENSOR J-BOX AT TANK | | |
| I004 | 1″ | (4) #18 TSP | - | WET FUELS MONITOR ENCLOSURE | GASOLINE INST J-BOX | SENSOR CKTS TO SENSOR J-BO AT TANK | | |
| I006 | 3/4″ | (4) #18 TSP | - | GASOLINE INST J-BOX | GASOLINE TANK-TANK LE∨EL PROBE #1 | (1) PAIR SPARE | | |
| 1009 | 3/4″ | (2) #14 | #14 | GASOLINE INST J-BOX | GASOLINE TANK CLOCK GAUGE | HIGH LE∨EL ALARM C⊡NTACT | | |
| 1012 | 3/4″ | (2) #14 | #14 | GASOLINE INST J-BOX | GASDLINE TANK INTERSTITIAL LEAK SENSDR #1 | LEAK SENSOR CONTACT | | |
| I015 | 3/4″ | (2) #14 | #14 | GASOLINE INST J-BOX | GAS LINE LEAK SENSOR #1 | LEAK SENSOR CONTACT | | |
| I018 | 1″ | (2) #14 | #14 | WET FUELS MONITOR ENCLOSURE | WET FUELS MONITOR ENCLOSURE GASOLINE TANK TRANSITION PUMP | | | |
| I020 | 1″ | (8) #12 | #12 | WET FUELS MONITOR ENCLOSURE | UNLEADED DISPENSER, U1 SUMP, | | | |
| I021 | 1″ | (8) #12 | #12 | POWER PANEL P2 | PER EACH DISPENSER PUMP CALL HOOK SIGNALS; DAIS CHAIN CONDUIT THROUGH DISPENSER BASES, DECREASING CONDUCTOR COUNT PER EACH DISPENSER | | | |
| 1023 | 1″ | (2) #14 | #14 | WET FUELS MONITOR ENCLOSURE | PKM PANEL | PKM PANEL CONTROL POWER | | |
| I024 | 1″ | (2) #18 TSP | #18 | PKM PANEL | VAPOR RECOVERY PUMP | LOCAL SENSORS | | |

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| | GAL ENTITY: CADIS U.S., IN | С. | | | | | | | |
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| UF | PS OAKL | AND, CALIFOR | NIA | | | | | | |
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| 1 | 05/10/23 | ISSUED FOR PERMIT | YL | | | | | | |
| 0 | 02/09/23 | CLIENT REVIEW | YL | | | | | | |
| NO. | DATE | ISSUED FOR | BY | | | | | | |
| COP) 2021 | right: Ar | CADIS U.S., INC. | | | | | | | |
| DATE | :: | MAY 2023 | | | | | | | |
| | IECT NO.: | 30136437 | | | | | | | |
| | NAME: | E-09 | | | | | | | |
| | GNED BY: | ADA | | | | | | | |
| DRAV | VN BY: | YL | | | | | | | |
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| SCA | NLE: | | | | | | | | |
| | | E-09 | | | | | | | |
| S | SHEET | OF | - | | | | | | |



| MFR TYPE . BUS 100A | | | | | | NEL /ice <u>2</u> (| | | | | | MD | | N <u>OUTDOOR FUEL RACK</u> G <u>SURFACE</u> <u>E</u> -02 |
|--|------|------|------|----------|------|------------------------|------------|--------|----------|-------|------|---------|------|--|
| DESCRIPTION | BRE | AKER | | PHASE | | | | | | PHASE | | BRE | AKER | DESCRIPTION |
| DESCRIPTION | POLE | AMPS | Α | В | С | | | | Α | В | С | POLE | AMPS | DESCRIPTION |
| RACK GFCI RECEPT. | 1 | 20 | 0.38 | | | 1 | | 2 | 1.26 | | | | | PKM FUEL CTRL PANEL. |
| SPARE | 1 | 20 | | | | 3 | | 4 | | 2.06 | | 3 | 50 | VIA POWER CONTACTOR |
| SPARE | 1 | 20 | | | | 5 | | 6 | | | 2.57 | | | VIA PUWEN CUNTACTUR |
| SPARE | 1 | 20 | | | | 7 | | 8 | | | | 1 | 20 | SPARE |
| SPARE | 1 | 20 | • | | | 9 | | 10 | | | | 1 | 20 | SPARE |
| SPARE | 1 | 20 | | | • | 11 | | 12 | | | | 1 | 20 | SPARE |
| KVA PHASE A <u>1.64</u> PHASE B <u>2.06</u> PHASE C <u>2.57</u> TOTAL <u>6.27</u> | | | | LD FE | CATI | SIZE | TOP SEE | SCHEDU | <u> </u> | | A. | I.C. (A | MPS) | ALC.) <u>17.40A</u> <u>10,000</u> (CALC.) <u>6.27</u> |

- 60A, 240V, 3P ELECTRICALLY HELD CONTACTOR WITH CONTROL POWER TRANSFORMER, 2 POSITION MOMENTARY CLOSING SWITCH, GREEN "POWER" AND ESCUTCHEON PLATES AND NEMA-3R ENCLOSURE.

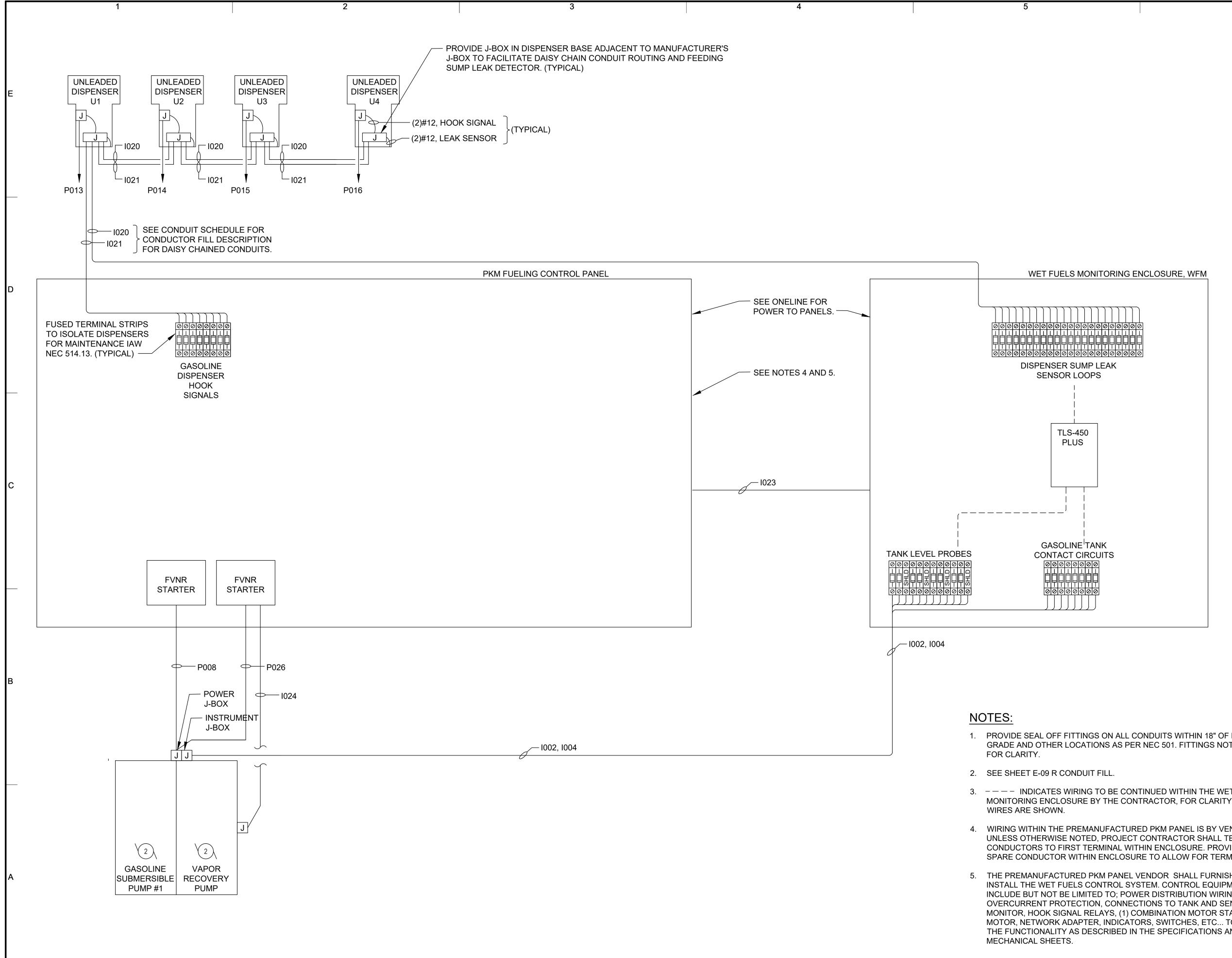
3

PROVIDE A LOCKABLE HOLD OPEN DEVICE ON MAIN BREAKER TO COMPLY WITH NEC 430 GROUP DISCONNECTING MEANS

4

| MFR. <u>.</u> TYPE <u>.</u> BUS <u>50A</u> | | | | | | NEL 11ce <u>20</u> | | | | | | MΠ | UNTIN | WET FUELS ENCLOSURE SURFACE E-03 |
|--|------|------|------|----------|--------------------------------|-----------------------|------------|--------|-------------|-------|------|---------|-------|---|
| DESCRIPTION | BREA | AKER | | PHASE | | | | | | PHASE | | BREA | 4KER | DESCRIPTION |
| DESCRIPTION | POLE | AMPS | Α | В | С | | | | Α | В | С | POLE | AMPS | DESCRIPTION |
| ighting poles | 2 | 20 | 0.25 | | | 1 | | 2 | | | | 1 | 20 | SPARE |
| | | | | 0.25 | • | 3 | | 4 | | | | 1 | 20 | SPARE |
| KM CONTROL POWER | 1 | 20 | • | | 1.2 | 5 | | 6 | • | | | 1 | 20 | SPARE |
| PARE | 1 | 20 | | | • | 7 | | 8 | | | | 1 | 20 | SPARE |
| ASOLINE SUBMERSIBLE PUMP | | | 0.48 | | | 9 | | 10 | 0.53 | | | | | |
| | 3 | 20 | | 0.48 | | 11 | | 12 | | 0.53 | | 3 | 20 | VAPOR RECOVERY PUMP |
| UBMERSIBLE PUMP #1 | | | | | 0.48 | 13 | | 14 | • | | 0.53 | | | |
| ET FUELS MONITORING ENCL. | 1 | 20 | 0.80 | | | 15 | | 16 | | | | 1 | 20 | SPARE |
| HERMAL OXIDIZER | 1 | 20 | | 0.36 | | 17 | | 18 | | | | 1 | 20 | SPARE |
| PARE | 1 | 20 | | | | 19 | | 20 | | | | 1 | 20 | SPARE |
| PARE | 1 | 20 | | | | 21 | | 22 | • | | | 1 | 20 | SPARE |
| PARE | 1 | 20 | | | | 23 | | 24 | | | | 1 | 20 | SPARE |
| KVA PHASE A <u>1.26</u> PHASE B <u>2.06</u> PHASE C <u>2.57</u> TOTAL <u>5.90</u> | | | | LO FE | N LUG CATII EDER URCE | DN SIZE | TOP SEE | SCHEDU | <u>LE</u> . | | Α. | I.C. (A | MPS) | ALC.> <u>16.38A</u> <u>10,000</u> (CALC.> <u>5.90</u> |

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| LEGAL ENTITY: ARCADIS U.S., IN | C. | | | | | | | |
| CONSULTANTS | | | | | | | | |
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| SEALS | | | | | | | | |
| REGISTER | ROFESSION R. GEROEVEL E 18285 E 18285 MENNE KLECTRICAL | | | | | | | |
| UPS OAKI | AND, CALIFOR | NIA | | | | | | |
| REF | UELING FACILITY | | | | | | | |
| ARCADIS PROJ. | NO. 30136437 | | | | | | | |
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| 0 02/09/23 | CLIENT REVIEW | YL | | | | | | |
| NO. DATE | ISSUED FOR | BY | | | | | | |
| | | | | | | | | |
| FILE NAME: | CADIS U.S., INC. MAY 2023 30136437 E-10 ADA YL DRG | | | | | | | |
| SHEET TITLE | | | | | | | | |
| EL | ELECTRICAL ONE-LINE AND PANEL SCHEDULE | | | | | | | |
| SCALE: | | | | | | | | |
| | | | | | | | | |
| SHEET | E-10 ^{of} | - | | | | | | |



| 6 | CONSULTANTS |
|-----------------------------------|---|
| | SEALS |
| | |
| | UPS OAKLAND, CALIFORNIA |
| | REFUELING FACILITY |
| | ARCADIS PROJ. NO. 30136437 |
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| | 1 05/10/23 ISSUED FOR PERMIT YL |
| | 0 02/09/23 CLIENT REVIEW YL |
| | NO. DATE ISSUED FOR BY |
| | COPYRIGHT: ARCADIS U.S., INC. 2021 |
| | DATE: MAY 2023 |
| | PROJECT NO.: 30136437 |
| | FILE NAME: E-11 |
| | DESIGNED BY: ADA |
| EXITING | DRAWN BY: YL CHECKED BY: DRG |
| T SHOWN | SHEET TITLE |
| | ELECTRICAL |
| T FUELS (, NOT ALL | |
| NDOR. | WET FUEL |
| ERMINATE IDE 48" /INATIONS. | CONTROLS GENERAL RISER |
| H AND MENT SHALL | DIAGRAM |
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| ARTER PER TO MEET ND | SCALE: |
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WET FUELS MONITORING ENCLOSURE, WFM