



DEPARTMENT OF TRANSPORTATION
PROJECT # 21914

SAP BUILDING NO # 1000/2/47

| DATE | No. | DESCRIPTION |
|-----------|-----|------------------------------|
| 3/24/2017 | 1 | 65% CONSTRUCTION DOCUMENTS |
| 4/12/2017 | 2 | 85% CONSTRUCTION DOCUMENTS |
| 5/12/2017 | 3 | 99% CODE REVIEW |
| 6/14/2017 | 4 | 100% BID SET |
| 7/17/2017 | 5 | ADDENDUM #2 REVISED DRAWINGS |



LA JUNTA TRAINING ROOM

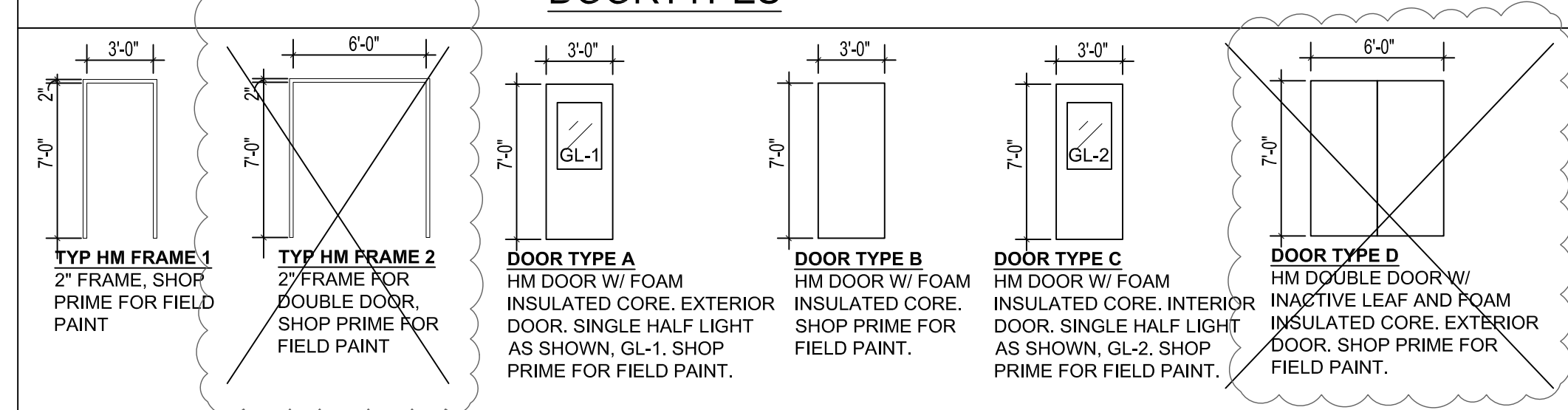
COLORADO DEPARTMENT OF TRANSPORTATION
 REGION 2 - 28201 W. HWY 50
 LA JUNTA, COLORADO 81050

| CODE INFORMATION | DESIGN TEAM | DRAWING INDEX | SYMBOLS | VICINITY MAP |
|--|---|--|--|---|
| APPLICABLE BUILDING CODES THE FOLLOWING APPROVED BUILDING CODES AND STANDARDS HAVE BEEN ADOPTED BY STATE BUILDINGS PROGRAMS (SBP) AS THE MINIMUM REQUIREMENTS TO BE APPLIED TO ALL STATE-OWNED BUILDINGS AND PHYSICAL FACILITIES INCLUDING CAPITAL CONSTRUCTION AND CONTROLLED MAINTENANCE CONSTRUCTION PROJECTS. 2015 INTERNATIONAL BUILDING CODE (IBC) 2015 INTERNATIONAL FIRE CODE (IFC) 2015 INTERNATIONAL MECHANICAL CODE (IMC) 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2014 NATIONAL ELECTRICAL CODE (NEC) 2015 INTERNATIONAL PLUMBING CODE (IPC) 2015 INTERNATIONAL FUEL GAS CODE (IFGC) THE NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS (NFPA) NFPA-1 (2006), 11 (2005), 12 (2005), 12A (2004), 13 (2002), 13D (2002), 13R (2002), 14, (2003), 15 (2001), 16 (2003), 17 (2002), 17A (2002), 20 (2003), 22 (2003), 24 (2002), 25 (2002), 72 (2002), 409 (2004), 423 (2004), 750 (2003) and 2001 (2004) THE 2009 EDITION OF ICC/ANSI A117.1, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES ANSII/ASHRAE/IES STANDARD 90.1 - 2013 ENERGY STANDARD FOR BUILDINGS | ARCHITECT OF RECORD: COLORADO DEPARTMENT OF TRANSPORTATION ERIN LUCERO 15285 S GOLDEN RD, BLDG 47 GOLDEN, CO 80401 PH (303) 512-5535 FAX (303) 512-5550 MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEER: MEP ENGINEERING, INC. KEVIN PRZYTARSKI 6402 TROY CIRCLE, SUITE 100 CENTENNIAL, CO 80111 PH (303) 936-1633 FAX (303) 934-3200 CIVIL ENGINEER: N/A STRUCTURAL ENGINEER: N/A GEOTECHNICAL ENGINEER: N/A BUILDING CODE REVIEW: CWEST CODE CONSULTANTS, INC. GARY NICKERSON 355 S. TELLER STREET SUITE 200 LAKEWOOD, CO 80226 PH: 303-205-7860 FX: 303-425-0094 | COVER CODE INFORMATION & INDEX A0.1 GENERAL NOTES ELECTRICAL: E1.0 ELECTRICAL ONE-LINES, NOTES AND LEGEND E1.1 ELECTRICAL SCHEDULES E2.0 ELECTRICAL DEMOLITION PLAN E3.0 POWER AND LIGHTING PLANS ARCHITECTURAL: A1.0 DEMOLITION PLANS A2.0 CONSTRUCTION PLANS A3.1 INTERIOR ELEVATIONS MECHANICAL: M1.0 MECHANICAL LEGEND & DIAGRAMS M1.1 MECHANICAL SCHEDULES M2.0 MECHANICAL DEMOLITION PLAN M3.0 MECHANICAL PLAN PLUMBING: P1.0 LEGEND AND GENERAL NOTES P1.1 SCHEDULES AND DIAGRAMS P2.0 PLUMBING DEMO PLAN P3.0 PLUMBING PLAN P3.1 PLUMBING PLAN | DETAIL CALL-OUT ELEVATION CALL-OUT SECTION CALL-OUT WINDOW TYPE TAG WALL TYPE TAG DOOR NUMBER TAG KEYNOTE TAG | PROJECT LOCATION: 28201 W. HWY 50 LA JUNTA, CO 81020 |

STANDARD ABBREVIATIONS

| | | | | | | | |
|--|------------------------------|-------------------------------|---|----------------------------|------------------------------|---------------------------|----------------------------|
| A.B. ANCHOR BOLT | C.O. CLEAN OUT | EWH ELECTRIC WATER HEATER | GB GRAB BAR | JT JOINT | O.C. ON CENTER(S) | RM ROOM | T.O.W TOP OF WALL |
| ACT AIR CONDITIONING | COL COLUMN | EXH EXHAUST | GC GENERAL CONTRACTOR | KVA KILOVOLT - AMPERES | OD OUTSIDE DIAMETER | ROW RIGHT OF WAY | TS STEEL TUBING |
| AC ACUSTICAL CEILING TILE | CONC CONCRETE | EXIST EXISTING | GL GLASS | KW KILOWATT | O.H. OPPOSITE HAND | | T-STAT THERMOSTAT |
| ADD ADDENDUM | CONT CONTINUOUS | EXP EXPANSION, EXPOSED | GPM GALLONS PER MINUTE | | OHD OVERHEAD | S SOUTH | TYP TYPICAL |
| ADDL ADDITIONAL | CPT CARPET | EXT EXTERIOR | GSF GROSS SQUARE FEET | | OPNG OPENING | SAN SANITARY | UNFIN UNFINISHED |
| ADJ ADJACENT, ADJUSTABLE | CT CERAMIC TILE | | GYP BD GYPSUM BOARD | L ANGLE | OPP OPPOSITE | SC SEALED CONCRETE | UNLESS OTHERWISE NOTED |
| AFF ABOVE FINISHED FLOOR | CW CURTAIN WALL | FA FIRE ALARM | | LAM LAMINATE | O.T.S. OPEN TO STRUCTURE | SCHED SCHEDULE(D) | UR UNLESS OTHERWISE NOTED |
| ALUM ALUMINUM | CW COLD WATER | FACP FIRE ALARM CONTROL PANEL | HB HOSE BIBB | LAV LAVATORY | PIC PRECAST CONCRETE | SD SOAP DISPENSER | UR URINAL |
| ALT ALTERNATE | | FBO FURNISHED BY OTHERS | HDR HEADER | LT LIGHT | PEMB PRE-ENGINEERED MTL BLDG | SEC SECTION, SECOND | |
| AOR ARCHITECT OF RECORD | D/B DESIGN/BUILD CONTRACTOR | FD FLOOR DRAIN, FIRE DAMPER | HDWR HARDWARE | MAINT MAINTENANCE | PIL PROPERTY LINE | SF SQUARE FEET | V VOLT |
| APPROX APPROXIMATE | DBL DOUBLE | FD FOUNDATION | HID HIGH INTENSITY DISCHARGE | MATL MATERIAL | PL PLATE | SIM SIMILAR | VAR VARIES, VARIABLE |
| ARCH ARCHITECTURAL | DEMO DEMOLISH, DEMOLITION | FE FIRE EXTINGUISHER | HM HOLLOW METAL | MAX MAXIMUM | PLAM PLASTIC LAMINATE | SOG SLAB ON GRADE | VCT VINYL COMPOSITION TILE |
| AVG AVERAGE | DF DRINKING FOUNTAIN | FEC FIRE EXTINGUISHER CABINET | HORIZ HORIZONTAL | MECH MECHANICAL | PLBG PLUMBING | SPECS SPECIFICATIONS | VENT VENTILATION |
| | DIA DIAMETER | FIXT FIXTURE | HP HORSEPOWER | MED MEDIUM | PLYWD PLYWOOD | SQ SQUARE | VIF VERIFY IN FIELD |
| B/C BACK OF CURB | DN DOWN | F/L FLOW LINE | HT HEIGHT | MFR MANUFACTURER | PSF POUNDS PER SQUARE FOOT | SS STAINLESS STEEL | VTR VENT THROUGH ROOF |
| BLDG BUILDING | DS DOWNSPOUT | FLR FLOOR | HTR HEATER | MH MANHOLE | PSI POUNDS PER SQUARE INCH | S/S SERVICE SINK | |
| B.O. BOTTOM OF | DTL, DET DETAIL | FLUOR FLUORESCENT | HVAC HEATING VENTILATING & A/C | MIN MINIMUM | PTD PAPER TOWEL DISPENSER | STD STANDARD | |
| BOT, BTM BOTTOM | DRWG DRAWING | FOC FACE OF CONCRETE | HW HOT WATER | MLP METAL LINER PANEL | PT PAINT | STL STEEL | W WEST, WIDE |
| BRNZ BRONZE | | FOF FACE OF FINISH | HWY HIGHWAY | MP METAL PANEL | PTD PAPER TOWEL DISPENSER | STOR STORAGE | W WITH |
| BTWN BETWEEN | (E) INDICATES EXISTING | FOM FACE OF MASONRY | | MSB MOP SINK BASIN | PVC POLYVINYL CHLORIDE | STRUCT STRUCTURE(AL) | WC WATER CLOSET |
| | EA EACH | FOS FACE OF STUD | IBC INTERNATIONAL BUILDING CODE | MTD MOUNTED | QTY QUANTITY | SUSP SUSPENDED | WD WOOD |
| CA COMPRESSED AIR | E.B. EXPANSION BOLT | FPM FEET PER MINUTE | ID INSIDE DIAMETER | MTL METAL | | TA TOILET ACCESSORY | WH WATER HEATER |
| CAB CABINET | E.J. EXPANSION JOINT | FRP FIBER REINFORCED PLASTIC | IECC INTERNATIONAL ENERGY CONSERVATION CODE | NEC NATIONAL ELECTRIC CODE | R RISER | TBD TO BE DETERMINED | WO WHERE OCCURS |
| CAP CAPACITY | E.L. ELEVATION | FT' FOOT, FEET | | NSF NET SQUARE FEET | R/A RETURN AIR | TD TOILET PAPER DISPENSER | W/O WITHOUT |
| CFM CUBIC FEET PER MINUTE | ELEC ELECTRIC(AL) | FTG FOOTING | IN, " INCHES | N NORTH | RE: REFERENCE | T&G TONGUE AND GROOVE | WP WATERPROOF(ING) |
| CFM CUBIC FEET PER MINUTE | ELEV ELEVATION | FPWH FREEZEPROOF WALL | INCL INCLUDE(D)(ING) | NIC NOT IN CONTRACT | REBAR REINFORCING BAR | THK THICK | WR WATER RESISTANT |
| CIP CAST-IN-PLACE | ENCL ENCLOSE(URE) | | INSUL INSULATION | NO OR # NUMBER | RECPT RECEPTACLE | T.O. TOP OF | WT WEIGHT |
| C.T. CONTROL JOINT, CONSTRUCTION JOINT | EQ EQUAL | | INT INTERIOR | NOM NOMINAL | REINF REINFORCE(D)(ING) | T.O.C TOP OF CONCRETE | X TIMES OR BY |
| C/L CENTERLINE | EQUIP EQUIPMENT | | INV INVERT | NTS NOT TO SCALE | REQD REQUIRED | T.O.ST. TOP OF STEEL | |
| CLG CEILING | ESEW EMER. SHOWER & EYE WASH | GA GAUGE | JAN JANITOR | | RH RADIANT HEAT | T.O.S TOP OF SLAB | |
| CLR CLEAR(ANCE) | EUH ELECTRIC UNIT HEATER | GAL GALLON | | | | | |
| CMU CONCRETE MASONRY UNIT | EWC ELECTRICAL WATER COOLER | GALV GALVANIZED | | | | | |

DOOR TYPES



ROOM FINISH SCHEDULE

| RM. | DESC. | FLR. | BASE | WALLS | | | | CEILING | | REMARKS |
|-----|------------------|-------|------|--------------|--------------|--------------|--------------|---------|-------|---|
| | | | | N | E | S | W | MATL | HT. | |
| 101 | VESTIBULE | LVT-1 | RB-1 | PT-1 | PT-1 | PT-1 | PT-1 | ACT-1 | 9'-4" | NONE |
| 102 | MECH ROOM | LVT-1 | RB-1 | PT-1 | PT-1 | PT-1 | PT-1 | PT-1 | 9'-4" | FRP AROUND SINK, RE: FINISH SCHEDULE |
| 103 | BREAK/ADMIN AREA | LVT-1 | RB-1 | PT-1 | PT-1 | PT-3 | PT-1 | ACT-1 | 9'-4" | NONE |
| 104 | RESTROOM | LVT-1 | CT-1 | PT-1/ CT-1.2 | PT-1/ CT-1.2 | PT-1/ CT-1.2 | PT-1/ CT-1.2 | PT-1 | 8'-0" | ALL WALLS TO RECEIVE 4'-0" TILE WAINSCOT, RE: ELEV FOR PATTERN. |
| 105 | RESTROOM | LVT-1 | CT-1 | PT-1/ CT-1.2 | PT-1/ CT-1.2 | PT-1/ CT-1.2 | PT-1/ CT-1.2 | PT-1 | 8'-0" | ALL WALLS TO RECEIVE 4'-0" TILE WAINSCOT, RE: ELEV FOR PATTERN. |
| 106 | CLASSROOM | LVT-1 | RB-1 | PT-1 | PT-3 | PT-1 | PT-1 | ACT-1 | 9'-4" | NONE |

DOOR SCHEDULE

| NO. | DESCRIPTION | TYPE | FINISH | WIDTH | HT | THK | HDWE | FRAME | FINISH | REMARKS |
|-----|-----------------------|------|--------|-------|-------|--------|------|-------|--------|--------------------------|
| 1 | EXT. DOOR- ADMIN. | A | PT-2 | 3'-0" | 7'-0" | 1-3/4" | 1 | 1 | PT-2 | KEYPAD LOCK AS SPECIFIED |
| 2 | VESTIBULE DOOR | C | PT-2 | 3'-0" | 7'-0" | 1-3/4" | 2 | 1 | PT-2 | |
| 3 | MECH ROOM DOOR | B | PT-2 | 3'-0" | 7'-0" | 1-3/4" | 3 | 1 | PT-2 | |
| 4 | RESTROOM DOOR | B | PT-2 | 3'-0" | 7'-0" | 1-3/4" | 4 | 1 | PT-2 | |
| 5 | RESTROOM DOOR | B | PT-2 | 3'-0" | 7'-0" | 1-3/4" | 5 | 1 | PT-2 | |
| 6 | CLASSROOM DOOR | C | PT-2 | 3'-0" | 7'-0" | 1-3/4" | 6 | 1 | PT-2 | |
| 7 | EXT. DOOR - CLASSROOM | A | PT-2 | 3'-0" | 7'-0" | 1-3/4" | 7 | 1 | PT-2 | KEYPAD LOCK AS SPECIFIED |

SCHEDULE OF COLORS AND FINISHES

COLORS ARE FOR REFERENCE, RE: SPECIFICATION SECTIONS INDICATED FOR OTHER APPROVED MANUFACTURERS

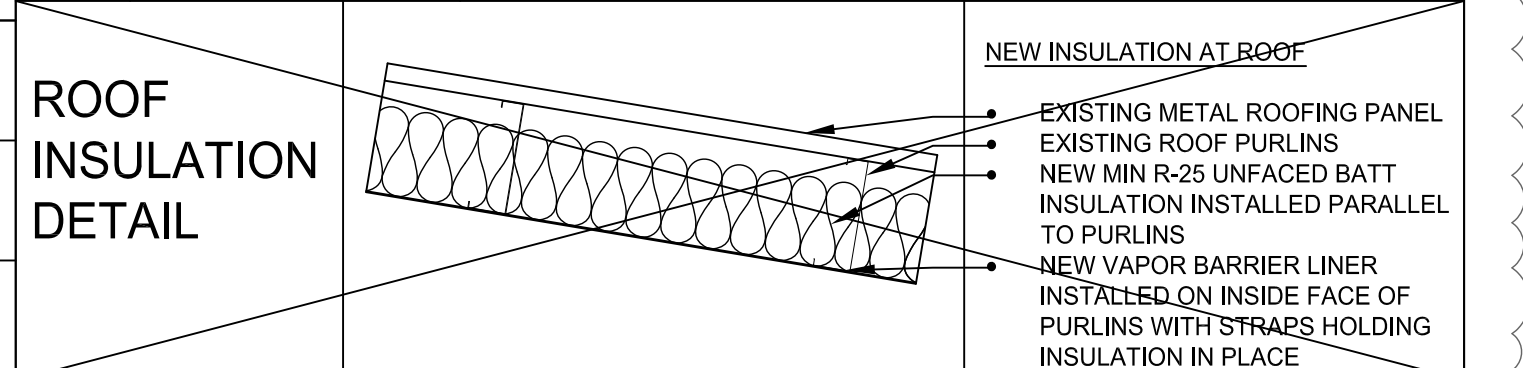
| | |
|---|---|
| 06400 ARCHITECTURAL WOODWORK PLAM-1 WILSONART4943-38 CLASSIC LINEN PLAM-2 WILSONART 4656-60 BRONZE LEGACY | 09300 CERAMIC TILE CT-1 DAL TILE MATTE, K775 BISCUIT CT-2 DAL TILE MATTE, 0766 ELEMENTAL TAN GROUT: MAPEI 14 BISCUIT |
| 06640 FIBER REINFORCED PLASTIC (FRP) FRP-1 .090" FRP PANEL AT SERVICE SINK, WHITE | 09511 ACOUSTIC CEILING TILE ACT-1 ARMSTRONG, CORTEGA 24X48 LAY-IN |
| 07400 METAL PANELS MP-1 EXTERIOR METAL PANEL, R-PROFILE, COLOR AS SELECTED BY ARCHITECT FROM MFR STANDARD COLOR RANGE TO MATCH EXISTING PANELS | 09650 RESILIENT FLOOR AND BASE RB-1 ROPPE PINNACLE 140 FAWN LVT-1 KARNEAN KP91, VICTORIAN OAK |
| 08110 DOOR GLAZING GL-1 3/4" CLEAR INSULATED TEMPERED GLASS GL-2 1/4" CLEAR TEMPERED GLASS | 09900 PAINTING PT-1 WALLS / CEILING, SHERWIN WILLIAMS SW7002 DOWNY WHITE PT-2 DOORS AND FRAMES, SHERWIN WILLIAMS SW7032 WARM STONE PT-3 ACCENT WALL IN CLASSROOM AND BREAK AREA, SHERWIN WILLIAMS SW6887 NAVEL |

* ALL METAL PANEL TRIM & ACCESSORIES TO MATCH ADJACENT PANEL OR AS SELECTED BY ARCHITECT
 * ALL FIRE RATED SURFACES TO MEET CLASS C RATING, MINIMUM, PER IBC 2015 TABLE 803.9.

| GENERAL NOTES | |
|---------------|---|
| 1. | ALL WALLS AND PARTITIONS ARE TO BE BUILT PER PARTITION TYPES SHOWN ON THIS SHEET AND CALLED OUT IN THE PLANS AND SPECIFICATIONS. |
| 2. | DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL ESTABLISH LOCATION OF ALL PARTITIONS, OPENINGS, EQUIPMENT, ETC. |
| 3. | LARGER SCALE DRAWINGS AND DETAILS HAVE PRIORITY OVER SMALLER SCALE DRAWINGS. |
| 4. | CONTRACTOR SHALL NOTIFY THE CDOT REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS IN THE DRAWINGS AND/OR SPECIFICATIONS TO REQUEST AND RECEIVE AN INTERPRETATION OR CLARIFICATION FROM CDOT REPRESENTATIVE BEFORE PROCEEDING WITH CONSTRUCTION. |
| 5. | CONTRACTOR SHALL VERIFY FIELD CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION. |
| 6. | DISTANCE FROM PERPENDICULAR WALL TO INSIDE FACE OF DOOR JAMB SHALL BE 6" UNLESS OTHERWISE NOTED. |
| 7. | AT ROOMS WITH FLOOR DRAINS (TOILET ROOMS, MECHANICAL ROOMS, ETC.), FLOOR SHALL SLOPE TO DRAIN. SLOPE FLOOR TO DRAIN AT 1/4 INCH PER FOOT FROM DRAIN. DO NOT EXCEED SLOPE FOR ACCESSIBILITY PER ICC A117.1. |
| 8. | PROVIDE FULLY TEMPERED OR LAMINATED SAFETY GLASS WHERE REQUIRED BY ALL APPLICABLE CODES, REGULATIONS AND/OR LAWS. |
| 9. | GYP BD IS 5/8 INCH THICKNESS U.O.N., PROVIDE TYPE "X" FIRE RATED GYP BD AT TESTED FIRE ASSEMBLIES. |
| 10. | DO NOT PLACE MECHANICAL AND/OR ELECTRICAL DEVICES BACK TO BACK IN SOUND BARRIER PARTITIONS. ALL DEVICES TO BE PLACED IN SEPARATE STUD SPACES WITH 8" O.C. MIN. SEPARATION. |
| 11. | PROVIDE CEMENTITIOUS TILE BACKER BOARD AT ALL WALLS IN DIRECT CONTACT WITH WATER AND AT ALL WALLS SCHEDULED TO RECEIVE SCHEDULED CERAMIC OR STONE TILE. AT HUMID SPACES INCLUDING BUT NOT LIMITED TO TOILET ROOM WALLS, KITCHEN WALLS AND WALLS ADJACENT TO WATER FEATURES WHERE TILE IS NOT SCHEDULED PROVIDE MOISTURE RESISTANT GYPSUM BOARD. |
| 12. | UON, PARTITIONS ARE DIMENSIONED TO FACE OF GYP BD, FACE OF MASONRY AND TO FACE OF EXISTING CONSTRUCTION. ANY INTERIOR PARTITIONS DIMENSIONED TO FACE OF METAL STUD ARE NOTED - "FOS" (FACE OF STUD). |
| 13. | DIMENSIONS TO DOORS ARE TO THE CENTERLINE OF THE OPENING. REFER TO DOOR SCHEDULE FOR SIZE OF DOORS AND FRAMES. |
| 14. | PARTITIONS ARE PERPENDICULAR AND/OR PARALLEL TO COLUMN GRID U.O.N. |
| 15. | NOTES TO "ALIGN" MEAN TO ALIGN FINISHED FACE OF PARTITION UNLESS OTHERWISE NOTED AND SHALL HAVE PRIORITY OVER DIMENSIONED LOCATIONS. |
| 16. | PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING OR 20 GAUGE METAL BLOCKING AS SHOWN OR AS REQUIRED FOR ATTACHMENT OF WALL MOUNTED HARDWARE, TOILET ACCESSORIES, CASEWORK, MILLWORK, FINISH CARPENTRY ETC. AS MAY BE REQUIRED FOR THE SECURE ATTACHMENT OF ADJOINING WORK. |
| 17. | PROVIDE STUDS OF GAUGE AND SPACING ADEQUATE TO SUPPORT APPLIED LOADS INCLUDING HAND-RAILS, KNEE WALLS, GRAB BARS, WALL-MOUNTED FIXTURES, ETC. |
| 18. | REFER TO GYPSUM BOARD ASSEMBLIES SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS FOR GYPSUM BOARD ASSEMBLIES INCLUDING, BUT NOT LIMITED TO FIRE RATED CONSTRUCTION, SOUND RATED CONSTRUCTION, MATERIALS AND TOLERANCES. |
| 19. | EXTERIOR ENVELOPE SHALL BE INSULATED TO MEET REQUIREMENTS OF ASHRAE 90.1 - 2013 STANDARDS IN ACCORDANCE WITH THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2015 FOR CLIMATE ZONE 4B. COMPLIANCE SHALL BE THROUGH A BUILDING ENVELOPE COMCHECK. |
| 20. | SOUND INSULATED WALLS SHALL HAVE MINIMUM 3-1/2" SOUND ATTENUATION BATTS AND SHALL FILL CAVITY WALL COMPLETELY. |
| 21. | MAINTAIN 80" HEAD CLEARANCE BELOW ALL DUCTS AND SOFFITS THROUGHOUT THE BUILDING. |

| HATCH LEGEND | |
|--------------|------------------------------|
| TYPE | DESCRIPTION |
| | EARTH/COMPACTED SOIL |
| | GRAVEL FILL |
| | CAST-IN-PLACE CONCRETE |
| | MASONRY |
| | GROUT FILLED MASONRY |
| | STAINLESS STEEL |
| | STEEL |
| | METAL ROOF PANEL |
| | METAL WALL PANEL |
| | METAL WALL PANEL, BEYOND |
| | WOOD WORK |
| | CONTINUOUS FRAMING MEMBER |
| | DISCONTINUOUS FRAMING MEMBER |
| | BATT INSULATION |
| | RIGID INSULATION |
| | EXISTING TO BE DEMOLISHED |
| | EXISTING WALL TO REMAIN |

| PARTITION TYPES | | |
|-----------------|--------|---|
| TYPE | DETAIL | DESCRIPTION |
| W1 | | FURRING OUT AT EXISTING EXTERIOR WALL: EXISTING EXTERIOR METAL PANEL EXISTING VERTICAL METAL STUDS @ 16" O.C. NEW MIN R-13 UNFACED METAL BLDG BLANKET FIBER GLASS INSULATION, FILL CAVITY 2" (R-10) XPS RIGID INSULATION 2 1/2" METAL STUDS VAPOR BARRIER INSTALLED ON INSIDE FACE OF STUDS 5/8" GYPSUM WALL BOARD, PROVIDE KNOCK DOWN FINISH WALL TYPE DESIGNATED "SIM" AT INFILL AREAS, PROVIDE NEW EXTERIOR METAL PANEL, MP-1, AND VERTICAL METAL STUDS AT 16" O.C. TO MATCH EXISTING CONSTRUCTION |
| W2 | | TYPICAL INTERIOR PARTITION: 1-LAYER 5/8" GYPSUM WALL BOARD 3-5/8" LT. GA. MTL. STUDS AT DOORS, PROVIDE 16 GAUGE KING STUDS SOUND BATT INSULATION AT TOILET ROOM WALLS. FILL CAVITY, R-19 MIN 1-LAYER 5/8" GYPSUM WALL BOARD AT TOILET ROOM, PROVIDE 1-LAYER 5/8" CEMENTITIOUS BOARD AND CERAMIC TILE TO HEIGHT OF WAINSCOT, 1 LAYER 5/8" GYPSUM WALL BOARD ABOVE. |
| W2A | | PLUMBING WALL PARTITION: 1-LAYER 5/8" GYPSUM WALL BOARD 6" LT. GA. MTL. STUDS SOUND BATT INSULATION AT TOILET ROOM WALLS. FILL CAVITY, R-19 MIN 1-LAYER 5/8" GYPSUM WALL BOARD AT TOILET ROOM, PROVIDE 1-LAYER 5/8" CEMENTITIOUS BOARD AND CERAMIC TILE TO HEIGHT OF WAINSCOT, 1 LAYER 5/8" GYPSUM WALL BOARD ABOVE. |
| W3 | | FURRING WALL AT STEEL STRUCTURE AND PILASTERS 2 1/2" METAL STUD FRAMING AROUND STRUCTURAL PILASTER 2" (R-10) XPS RIGID INSULATION TO PROVIDE CONTINUOUS THERMAL BARRIER AT EXT WALL 1 LAYER 5/8" GYPSUM WALL BOARD AIR SPACE STEEL STRUCTURE |



| CODE ANALYSIS | |
|--|--|
| <p>CODE DIAGRAM ----- TRAVEL PATH</p> <p>CLIMATE ZONE PER 2015 IECC: 4B COUNTY: OTERO ENERGY REQUIREMENTS COMPLIED WITH USING BUILDING ENVELOPE COMCHECK USING ASHRAE 90.1 - 2013 STANDARDS</p> | <p>DESCRIPTION OF WORK: THIS PROJECT REMODELS AN EXISTING CDOT MAINTENANCE FACILITY IN LA JUNTA, COLORADO INTO A NEW TRAINING FACILITY. DEMOLITION INCLUDES DEMOLISHING EXISTING PLUMBING FIXTURES, LIGHTING FIXTURES, TWO EXTERIOR MAN DOORS, AND TWO OVERHEAD DOORS. NEW CONSTRUCTION INCLUDES REPLACING EXISTING INSULATION IN THE EXTERIOR WALLS, AND PROVIDING A NEW TRAINING ROOM WITH ASSOCIATED HVAC SYSTEM, RESTROOMS, BREAK AREA, MECH ROOM, AND VESTIBULE. THE ENTIRE BUILDING SHALL RECEIVE NEW FIXTURES AND FINISHES.</p> |

ADMIN AREA
OCC B
770 SF

TRAINING FACILITY
OCC B
1870 SF

CLASSROOM
OCC B
1100 SF

65' MAX TRAVEL PATH TO EXIT

RESTROOM SIGNS

MAIN LEVEL FLOOR PLAN
3/32" = 1'-0"

CODE INFORMATION:

B OCCUPANCY PER IBC 304.1 TRAINING AND ADMINISTRATION CONSTRUCTION TYPE - VB, NOT SPRINKLERED AREA AND HEIGHT
ALLOWABLE AREA - B: 9,000
STORIES ALLOWED - B: 2
ALLOWABLE HEIGHT - B: 40'
ACTUAL AREA - 1870 SQUARE FEET GROSS
HEIGHT - 18'-0"
NUMBER OF STORIES - 1

EXIT DISTANCE ALLOWED:
B- 200' ACTUAL IS 65'

EXITS REQUIRED - 2. EXITS PROVIDED - 2
TRAINING ROOM OCC LOAD FACTOR 20, 1100/20 = 55 OCC, 2 EXITS
B OCC LOAD FACTOR 100, 770/100 = 8 OCC, 1 EXIT
TOTAL OCCUPANTS IN BUILDING: 63

EXITS PROVIDED - 1 FROM TRAINING ROOM, 1 FROM ADMIN (2 ACCESSIBLE)

PLUMBING CALCULATIONS: TOTAL OCCUPANTS - 63
WC REQUIRED - 2; WC PROVIDED - 1 WOMENS, 2 MENS (1 URINAL)
1 DRINKING FOUNTAIN PROVIDED WITH GLASS FILLER; 1 MOP SINK PROVIDED

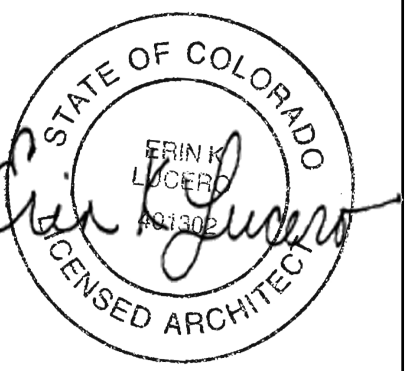
PER 2015 IFC TABLE 906.3(1) PROVIDE ONE FIRE EXTINGUISHER FOR EVERY 1,500 SQ FT FOR NORMAL HAZARD. 1,870 SF = TWO NEW FIRE EXTINGUISHERS. LOCATE PER PLANS AND AS SPECIFIED BY AUTHORITY HAVING JURISDICTION.

IN ADDITION TO ALL REQUIRED ILLUMINATED EXIT SIGNAGE, GC TO PROVIDE BRAILLE EXIT SIGN ADJACENT TO ALL DOORS MARKED AS EXITS. SIGN TO SAY "EXIT" IN RAISED LETTERS AND BRAILLE IN COMPLIANCE WITH ANSI A117.1 AND TO BE MOUNTED ON THE LEVER SIDE, ADJACENT TO THE DOOR, IN THE DIRECTION OF TRAVEL, AT A HEIGHT AT A MINIMUM OF 48" AND MAXIMUM OF 60"

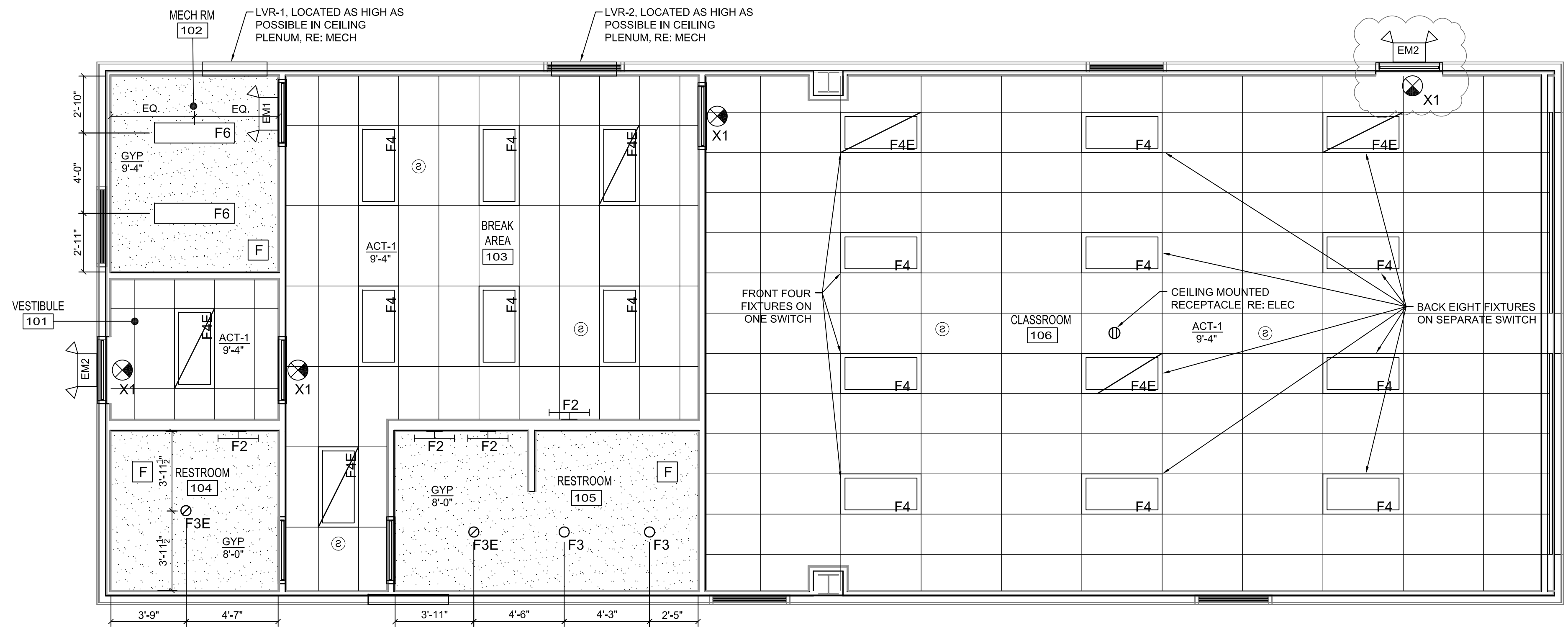
NOTE: PROVIDE OCCUPANCY SIGN AT CLASSROOM STATING, "MAXIMUM OCCUPANCY NOT TO EXCEED 55 PERSONS."

| UTILITIES | |
|--------------|---|
| GAS: | BLACK HILLS ENERGY 101 S 12TH STREET ROCKY FORD, CO 81067 PH: (800) 694-8989 |
| ELECTRICITY: | CITY OF LA JUNTA 601 COLORADO AVE LA JUNTA, CO 81050 PH: (719) 384-8454 |
| WATER: | CITY OF LA JUNTA 601 COLORADO AVE LA JUNTA, CO 81050 PH: (719) 384-7358 |
| SEWER: | CITY OF LA JUNTA 601 COLORADO AVE LA JUNTA, CO 81050 (719) 384-2546 |
| FIRE: | LA JUNTA FIRE DEPARTMENT 601 COLORADO AVE LA JUNTA, CO 81050 (719) 384-2323 FIRE CAPTAIN: JOEY GACNIK |

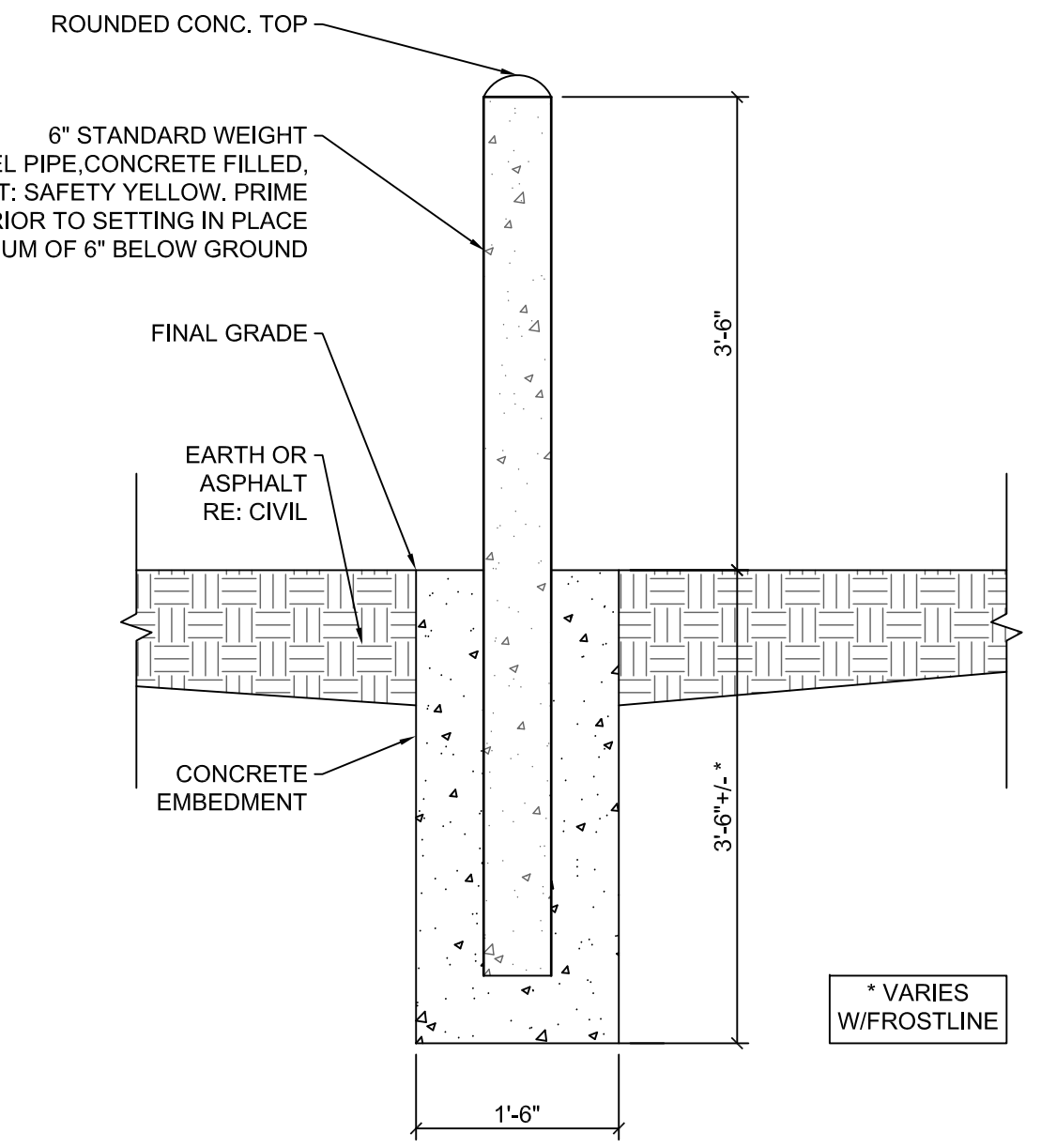
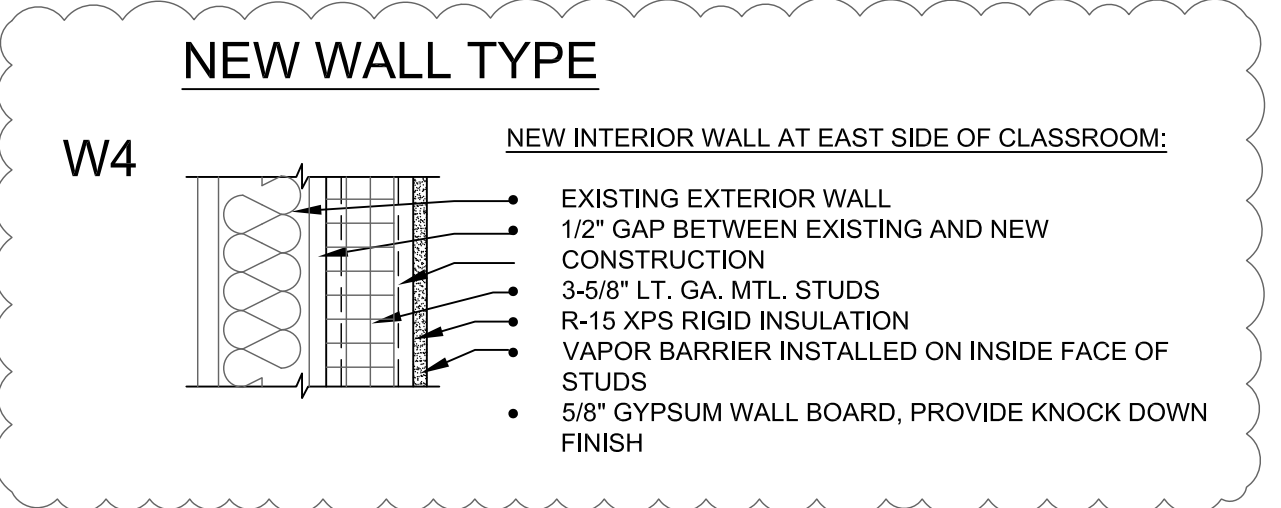
| <p>GENERAL NOTES</p> <p>LA JUNTA TRAINING ROOM</p> <p>28201 WEST HIGHWAY 50 LA JUNTA, COLORADO 81050</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>DESCRIPTION</th> <th>NO.</th> <th>DATE</th> </tr> <tr> <td>85% CONSTRUCTION DOCS</td> <td>1</td> <td>03/24/2017</td> </tr> <tr> <td>85% CONSTRUCTION DOCS</td> <td>2</td> <td>04/12/2017</td> </tr> <tr> <td>89% CD/CODE REVIEW</td> <td>3</td> <td>05/12/2017</td> </tr> <tr> <td>100% BID SET</td> <td>4</td> <td>05/14/2017</td> </tr> <tr> <td>ADDENDUM #2</td> <td>5</td> <td>07/17/2017</td> </tr> </table> <p style="text-align: center;">Colorado Department of Transportation</p> <p style="text-align: center;">15285 SOUTH GOLDEN ROAD BUILDING 47 GOLDEN, CO 80401 Phone: 303-512-5505 FAX: 303-512-5550</p> <p style="text-align: center;">CDOT CO DEPARTMENT OF TRANSPORTATION</p> | DESCRIPTION | NO. | DATE | 85% CONSTRUCTION DOCS | 1 | 03/24/2017 | 85% CONSTRUCTION DOCS | 2 | 04/12/2017 | 89% CD/CODE REVIEW | 3 | 05/12/2017 | 100% BID SET | 4 | 05/14/2017 | ADDENDUM #2 | 5 | 07/17/2017 |
|--|---|-------------|-----|------|-----------------------|---|------------|-----------------------|---|------------|--------------------|---|------------|--------------|---|------------|-------------|---|------------|
| DESCRIPTION | NO. | DATE | | | | | | | | | | | | | | | | | |
| 85% CONSTRUCTION DOCS | 1 | 03/24/2017 | | | | | | | | | | | | | | | | | |
| 85% CONSTRUCTION DOCS | 2 | 04/12/2017 | | | | | | | | | | | | | | | | | |
| 89% CD/CODE REVIEW | 3 | 05/12/2017 | | | | | | | | | | | | | | | | | |
| 100% BID SET | 4 | 05/14/2017 | | | | | | | | | | | | | | | | | |
| ADDENDUM #2 | 5 | 07/17/2017 | | | | | | | | | | | | | | | | | |
| <p>DRAWN BY: KMC</p> | <p>CDOT PROJECT NO. 21914 SAP BUILDING # 1000247</p> | | | | | | | | | | | | | | | | | | |
| <p>DRAWING NUMBER A0.1</p> | | | | | | | | | | | | | | | | | | | |



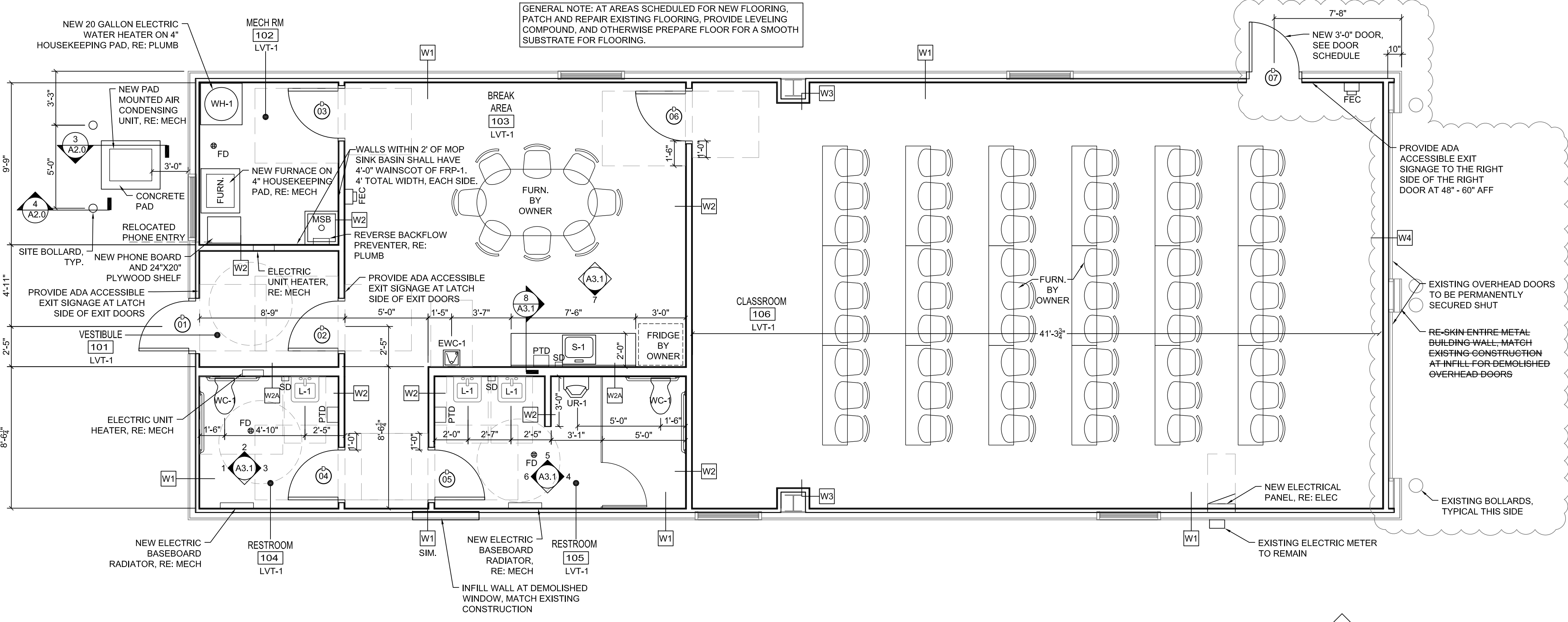
| LEGEND | |
|--------|--|
| | 6" DIA RECESSED DOWNLIGHT |
| | 4"X48" FIXTURE HUNG/SURFACE |
| | 2X4 FIXTURE |
| | EMERGENCY FIXTURE |
| | EMERGENCY LIGHTING |
| | EMERGENCY EXIT LIGHT |
| | 2' WALL MOUNTED FIXTURE |
| | EXHAUST FAN |
| | HARDWIRED COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR |



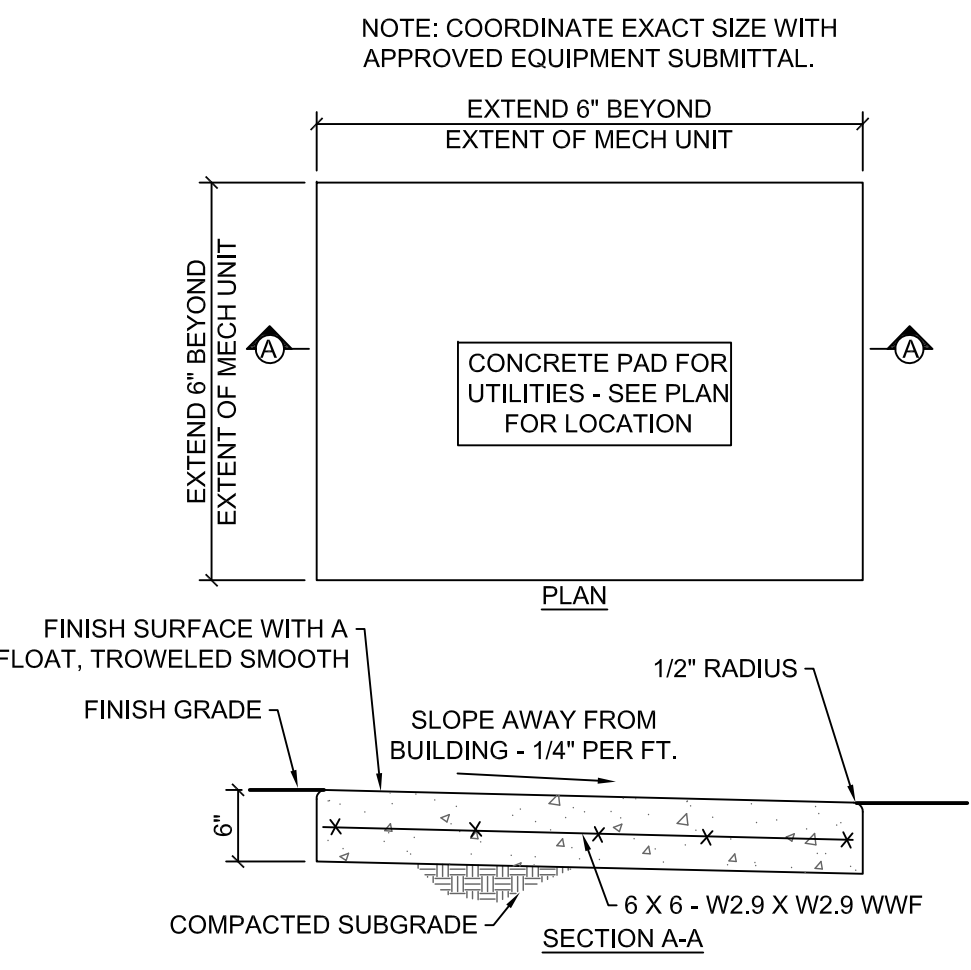
2 REFLECTED CEILING PLAN
1/4" = 1'-0"



4 SITE BOLLARD DETAIL, TYP.
3/4" = 1'-0"



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

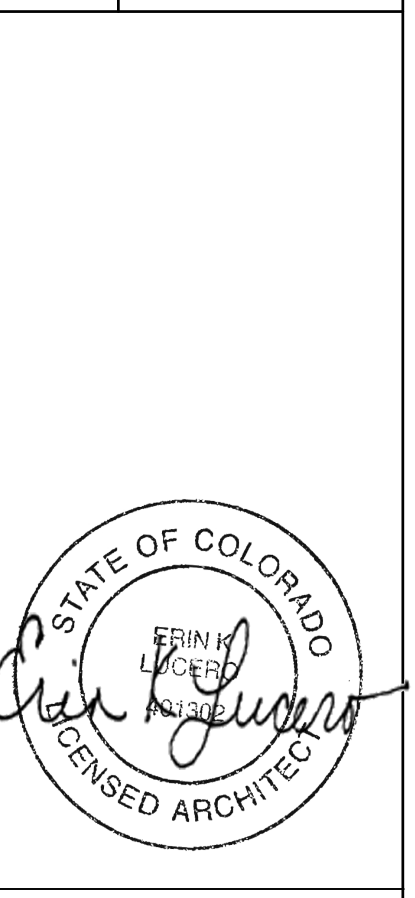


3 CONCRETE PAD DETAIL
3/4" = 1'-0"

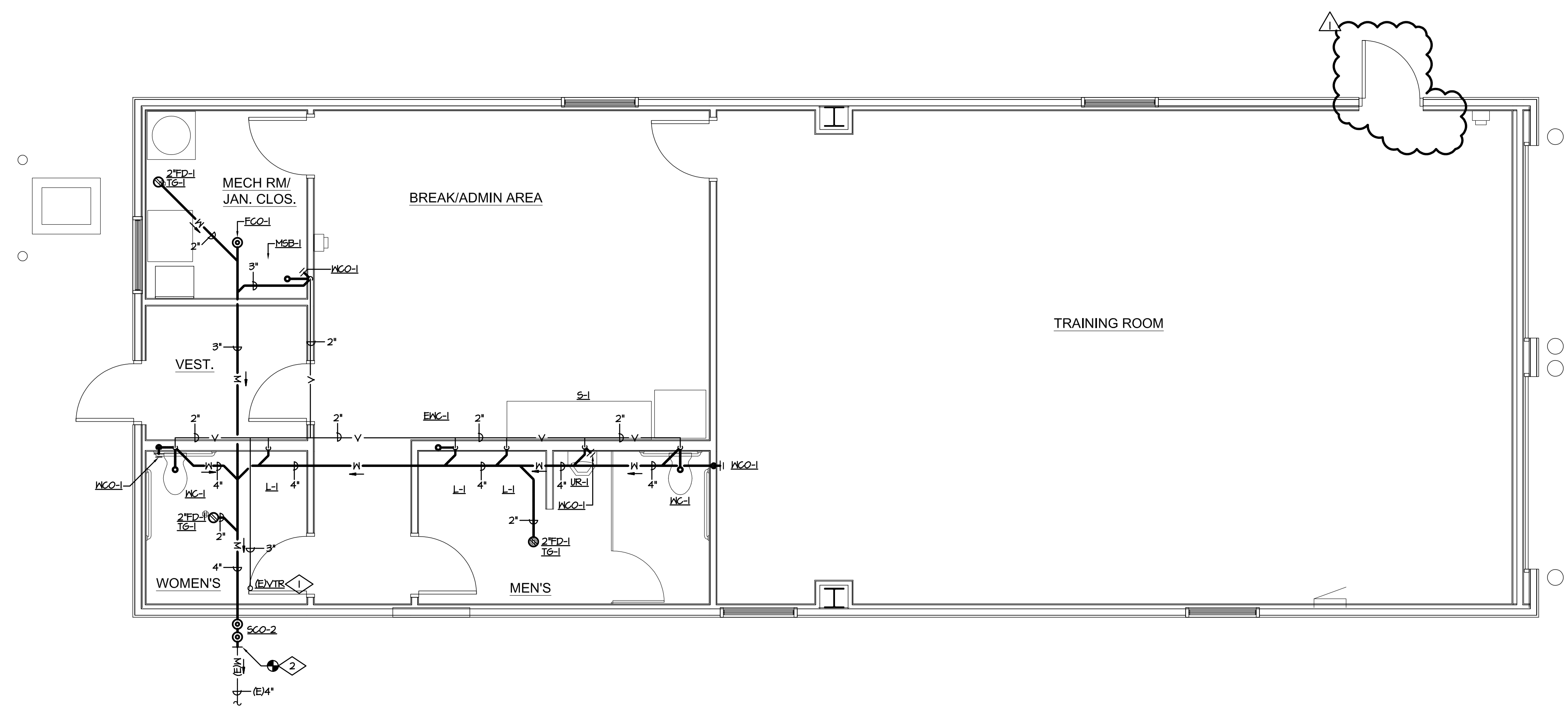
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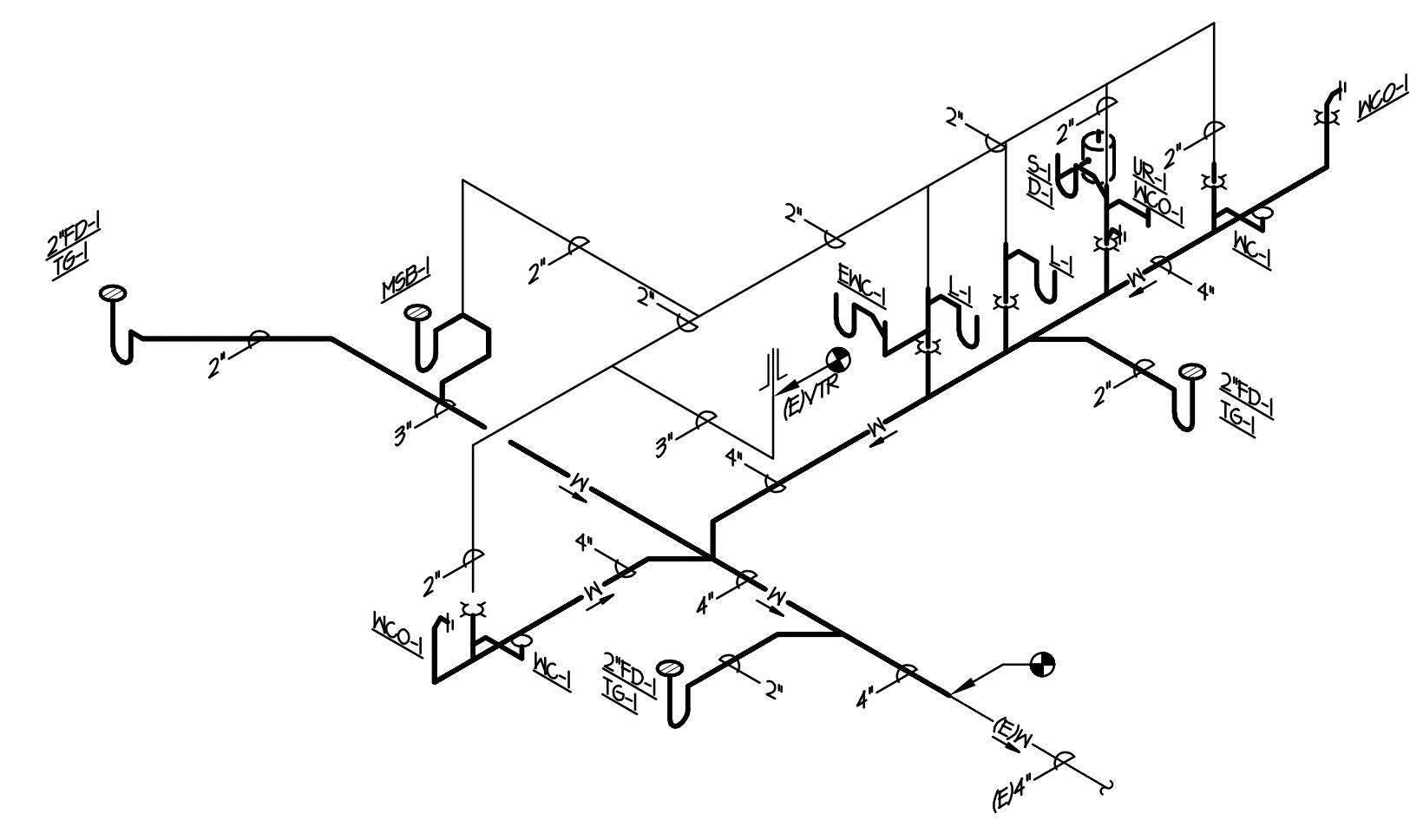
CONSTRUCTION PLANS
 LA JUNTA TRAINING ROOM
 28201 WEST HIGHWAY 50
 LA JUNTA, COLORADO 81050



DRAWN BY: KMC
 CDOT PROJECT NO. 21914
 SAP BUILDING # 1000247
 DRAWING NUMBER
A2.0



WASTE AND VENT PLUMBING PLAN
SCALE: 1/4" = 1'-0"



WASTE AND VENT ISOMETRIC
SCALE: N.T.S.

GENERAL NOTES

1. ALL NEW BELOW GRADE WASTE PIPING WILL REQUIRE MODIFICATION OF EXISTING SLAB ON GRADE. REPAIR AFFECTED SLAB TO MATCH EXISTING.

DRAWING NOTES

1. ROUTE 3" VENT PIPING TO EXISTING ROOF PENETRATION. MODIFY EXISTING VENT PENETRATION AS REQUIRED.
2. CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATION AND DIRECTION OF FLOW FOR THE EXISTING SANITARY SYSTEM PRIOR TO START OR CONSTRUCTION.

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PLUMBING PLAN
LA JUNTA TRAINING ROOM
28201 WEST HIGHWAY 50
LA JUNTA, COLORADO 81020

MEP PROJECT # 17066
DESIGNED BY: DKC CHECKED BY: MAB/MCS



MEP ENGINEERING INC.
CLIENT CENTRIC CONSULTING

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Centennial, CO 80111 (F) 303.934.3299
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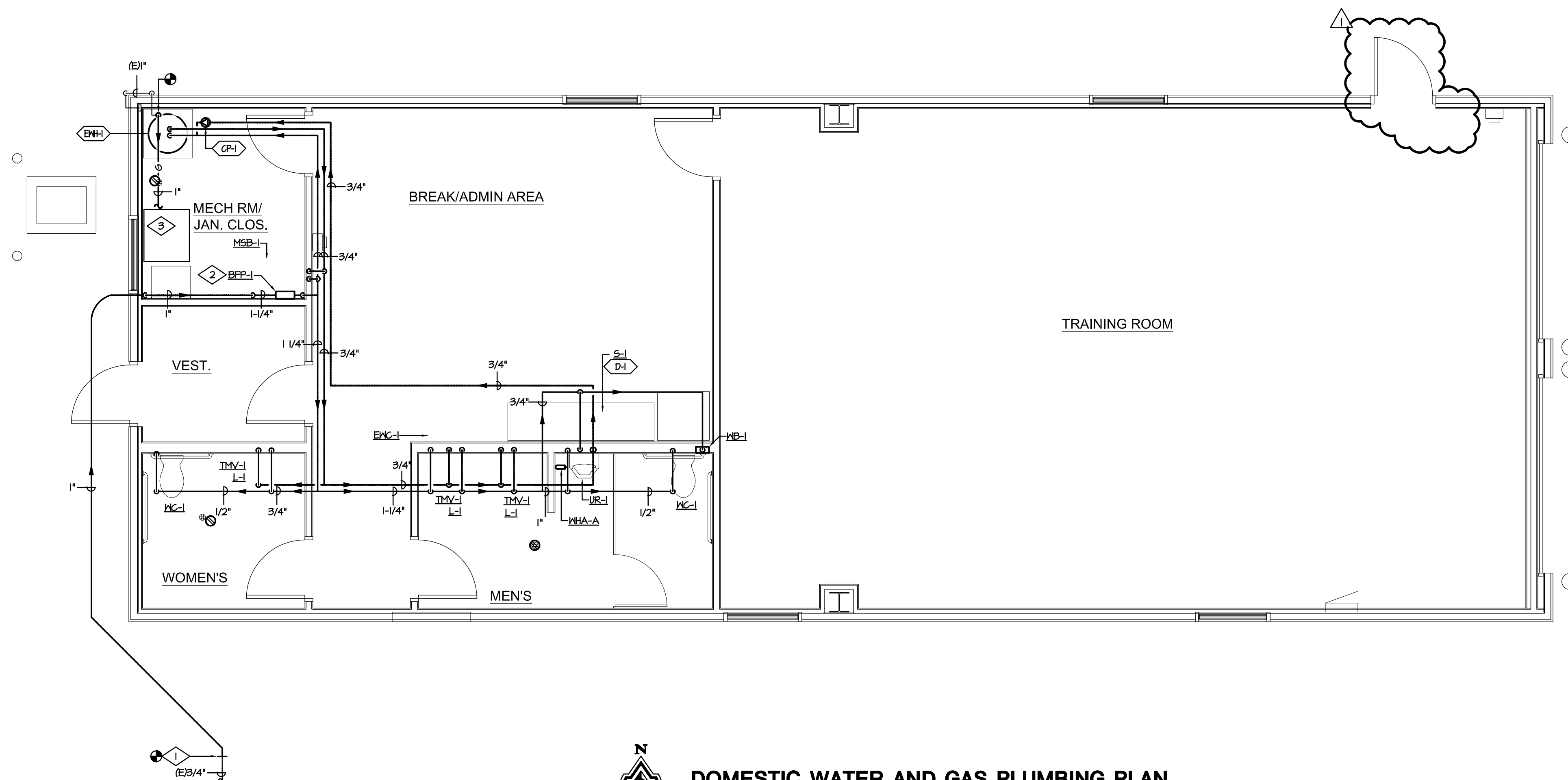


DRAWN BY:

CDOT PROJECT NO. 21914
SAP BUILDING # 1000/247

DRAWING NUMBER

P3.0



DOMESTIC WATER AND GAS PLUMBING PLAN

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

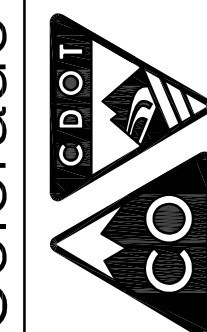
DRAWING NOTES

- CONTRACTOR TO FIELD VERIFY LOCATION OF WATER SERVICE PIPE AND PIPE MATERIAL. CONNECT AND MATCH NEW 1" DOMESTIC WATER PIPING TO EXISTING 3/4" PIPE. ROUTE PIPING AS SHOWN WITH NO JOINTS BELOW GRADE.
- MOUNT BFP-1 ABOVE MSB-1. PIPE DISCHARGE FROM BFP-1 TO MSB-1 WITH AIR GAP. SEE DIAGRAM ON P. 11.
- 1" GAS TO GAS FIRED FURNACE. REFER TO MECHANICAL PLANS. CONNECT TO APPLIANCE PER DIAGRAMS.

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PLUMBING PLAN

LA JUNTA TRAINING ROOM

28201 WEST HIGHWAY 50
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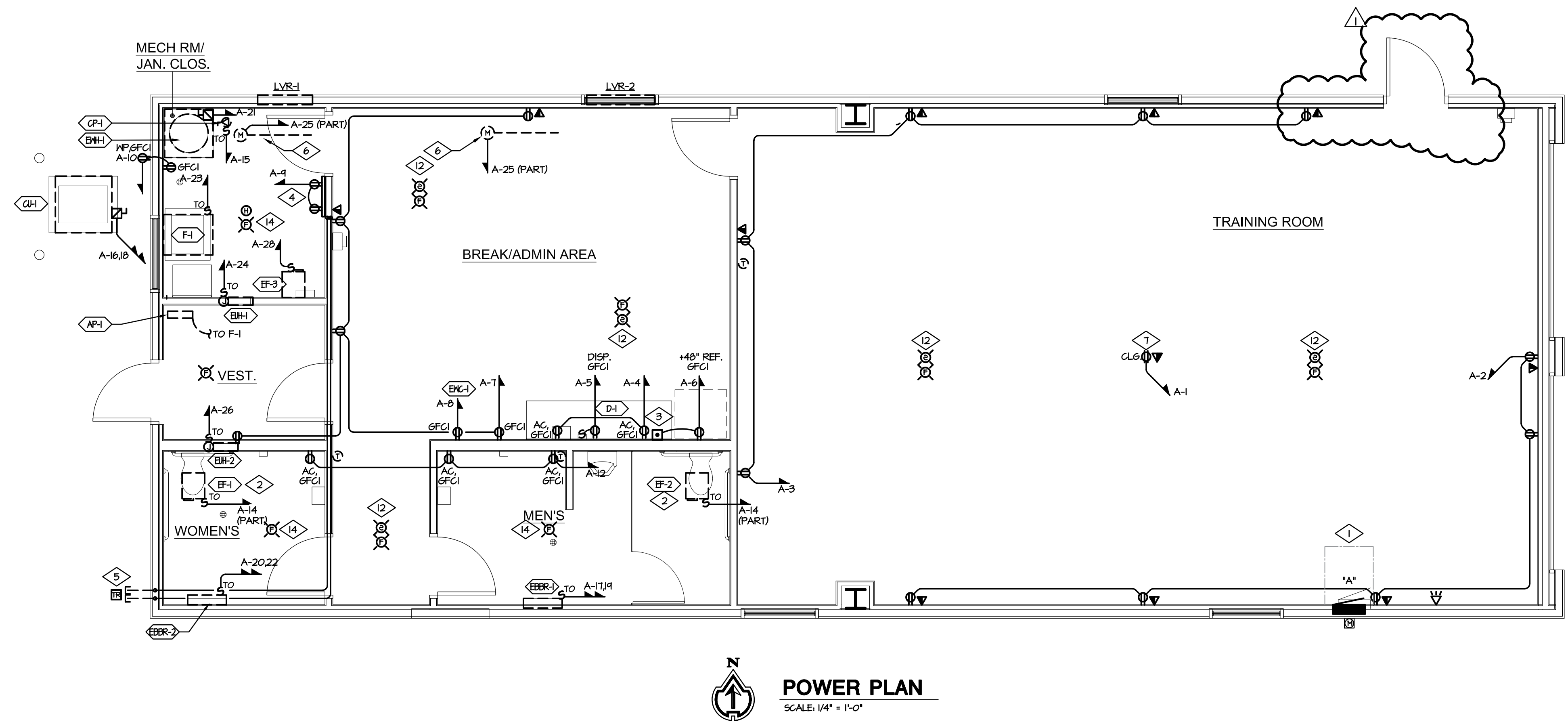


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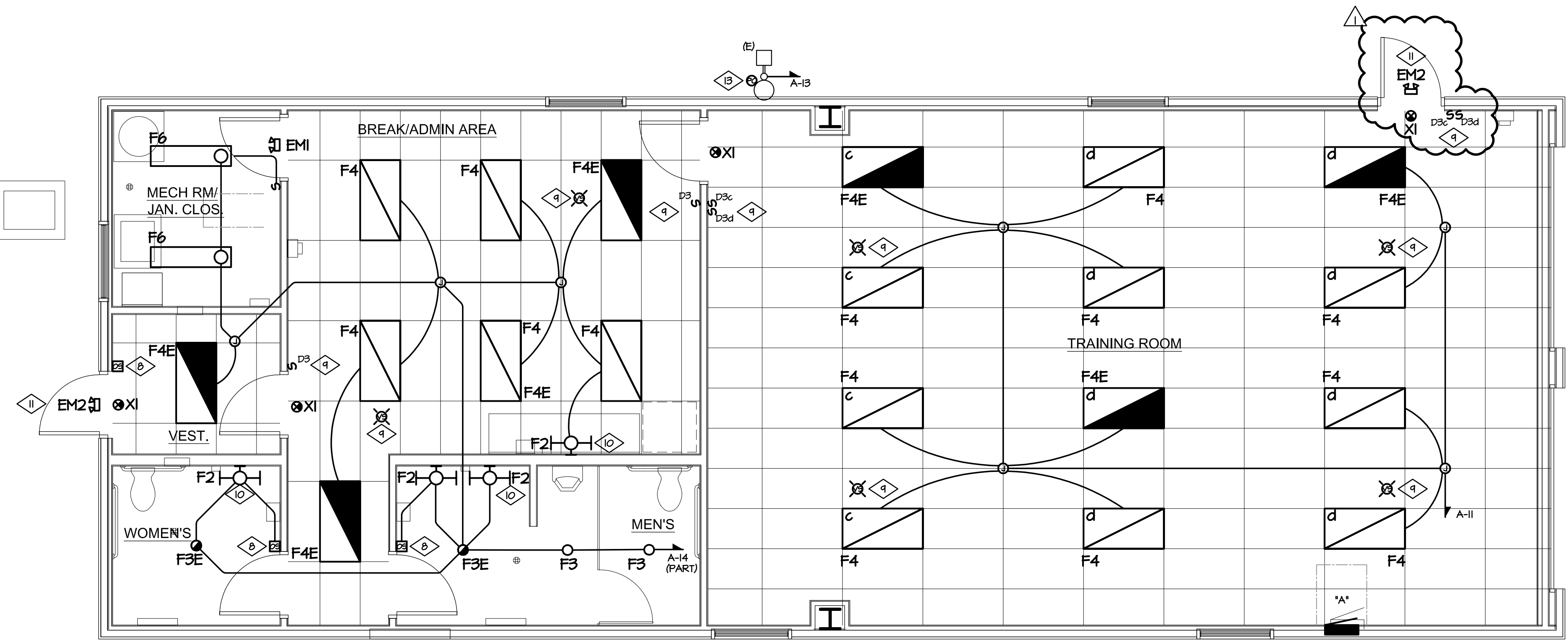
CDOT PROJECT NO.
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1000/247

DRAWING NUMBER

P3.1



POWER PLAN
SCALE: 1/4" = 1'-0"



LIGHTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. ALL EMERGENCY SIGN LIGHT FIXTURES AND BATTERY PACKS TO BE CONNECTED TO NEAREST UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
2. ALL ELECTRICAL WORK SHALL COMPLY WITH 2014 NEC REQUIREMENTS.

DRAWING NOTES POWER PLAN

1. COORDINATE EXACT PANEL LOCATION WITH OWNER PRIOR TO INSTALLATION.
2. CONNECT EXHAUST FAN TO OCCUPANCY SENSOR / SWITCH CONTROLLED LIGHTING CIRCUIT SERVING THIS ROOM.
3. CONTRACTOR TO PROVIDE REMOTE GFCI RESET BUTTON.
4. PROVIDE 48" X 48" X 3/4" TELEPHONE BOARD WITH (2) NEMA 5-20R, 30A, DEDICATED RECEPTACLES MOUNTED AT 480" AFF. PROVIDE (1) #6 CU ANS GND IN 1/2" CONDUIT TO NEAREST COLD WATER PIPE OR BUILDING STEEL FOR EQUIPMENT GROUND. SEE SPECIFICATION SECTION 16121 FOR ADDITIONAL REQUIREMENTS.
5. PROVIDE (2) 4" CONDUIT FOR TELEPHONE AND DATA. INSTALL 3 EACH 1-1/4" CONDUIT INTERDUCTS IN ONE OF THE 4" CONDUITS. COORDINATE EXACT ROUTING WITH ARCHITECT AND CIVIL ENGINEER PRIOR TO INSTALLATION. PROVIDE A MINIMUM OF EIGHT (8) PAIRS OF TELEPHONE LINES REQUIRED TO SERVE THE BUILDING. SEE SPECIFICATION SECTION 16121 FOR ADDITIONAL REQUIREMENTS.
6. CONNECT 24V DAMPER MOTOR TO 120V CIRCUIT INDICATED.
7. CEILING MOUNTED DUPLEX RECEPTACLE AND DATA PORT FOR CEILING MOUNTED PROJECTOR. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. COORDINATE EQUIPMENT REQUIREMENTS WITH OWNER/VENDOR PRIOR TO ROUGH-IN. PROJECTOR TO BE PROVIDED AND INSTALLED BY OWNER.
8. PROVIDE WALL MOUNTED PASSIVE DUAL TECHNOLOGY WALL SWITCH SENSOR. SENSOR SWITCH YES FDT 1/4" OR EQUAL.
9. PROVIDE CEILING MOUNTED, PASSIVE DUAL TECHNOLOGY, LINE VOLTAGE VACUANCY SENSOR. SENSOR SWITCH "CHR 10" OR APPROVED EQUAL. PROVIDE SENSOR OVERRIDE SWITCH AS SHOWN.
10. COORDINATE FIXTURE MOUNTING HEIGHT WITH CDDT PRIOR TO ROUGH-IN AND INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS.
11. BATTERY FOR EM2 FIXTURES TO BE INSTALLED LOCATED WITHIN BUILDING INTERIOR. COORDINATE LOCATION OF BATTERY WITH OWNER PRIOR TO INSTALLATION.
12. HARD-WIRED CEILING MOUNTED COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR WITH BATTERY BACK-UP, KIDDE 900-014A OR EQUAL, TO CIRCUIT A-21. PROVIDE CEILING MOUNTED FIRE STROBE KIDDE SLITTI OR EQUAL. INTERLOCK FIRE STROBES TO SMOKE/CARBON MONOXIDE DETECTORS.
13. LOCATION OF PHOTOCCELL TO CONTROL EXISTING EXTERIOR LIGHT FIXTURE.
14. PROVIDE CEILING MOUNTED FIRE STROBE KIDDE SLITTI OR EQUAL. INTERLOCK FIRE STROBES TO SMOKE/CARBON MONOXIDE DETECTORS.

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POWER & LIGHTING PLANS
LA JUNTA TRAINING ROOM
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