

GENERAL NOTES:

1. PROVIDE SILT FENCING AROUND PROJECT SITE DURING ALL DEMOLITION AND CONSTRUCTION ACTIVITIES.

KEY NOTES:

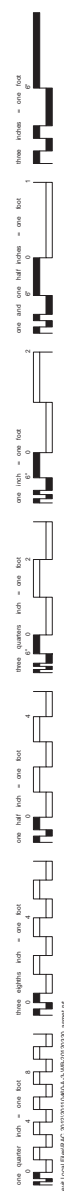
- 1 GRADING LIMIT LINE REFER TO SHEET C-211.
- 2 CUT EXISTING SIDEWALK.
- 3 EXISTING SIDEWALK TO REMAIN, PROTECT IN PLACE.
- 4 REMOVE AND DISPOSE OF EXISTING REINFORCED SIDEWALK.
- 5 EXISTING SITE LIGHTING FIXTURE TO REMAIN, PROTECT IN PLACE.
- 6 REMOVE AND RELOCATE EXISTING SITE LIGHTING FIXTURE. DISPOSE OF CONCRETE BASE. REFER TO SHEET E-011.
- 7 EXISTING TREE TO REMAIN PROTECT IN PLACE, TYP.
- 8 EXISTING SITE SIGNAGE TO REMAIN, PROTECT IN PLACE.
- 9 REMOVE AND RELOCATE EXISTING SITE SIGNAGE.
- 10 EXISTING BUS SHELTER TO REMAIN, PROTECT IN PLACE.
- 11 REMOVE AND RELOCATE EXISTING BUS SHELTER AND CONCRETE PAD.
- 12 EXISTING PEDESTRIAN BRIDGE TO REMAIN, PROTECT IN PLACE.
- 13 REMOVE AND DISPOSE OF EXISTING REINFORCED CONCRETE CURB.
- 14 REMOVE AND DISPOSE OF EXISTING TREE IN ITS ENTIRETY.
- 15 LINE OF PROPOSED BUILDING PERIMETER.
- 16 LINE OF EXCAVATION AND SOIL REPLACEMENT. REFER TO GEOTECHNICAL INVESTIGATION REPORT DATED JUNE, 2012.
- 17 TEMPORARY CHAIN-LINK CONSTRUCTION FENCE.
- 18 LOCKABLE CHAIN LINK GATE TO MATCH ADJACENT TEMPORARY CONSTRUCTION FENCE.
- 19 TEMPORARY CONTRACTOR CONSTRUCTION AREA IN EXISTING PARKING LOT ENCLOSED BY TEMPORARY CONSTRUCTION FENCE.
- 20 SAW-CUT AND REMOVE PAVEMENT AND SOIL FOR UTILITY LINE INSTALLATION. REFER TO SHEETS C-411, P-010, AND E-010.
- 21 REFER TO SHEET C-411 AND E-010 FOR CONTINUATION.

ISSUED FOR 100% SUBMITTAL

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| ARCHITECTS/ENGINEERS EWING COLE PRINCIPAL: Michael Lehman, AIA PROJECT MANAGER: Steph Vargas, LEED AP PROJECT ARCHITECT: Max Swider, AIA, LEED AP PROJECT DESIGNER: Eric Anderson, Ruby Carr, LEED AP 15231 Laguna Canyon Road, Suite 200 Irvine, CA 92618 Tel: 949-417-7550 Fax: 949-955-9391 | | CONSULTANTS EwingCole Project Number 20110460 | Approved: VA Project Engineer Approved: Chief, Project Section Approved: Chief, Maint. & Operations Office Approved: Chief, Engineering Dept. | Approved: Chief, Env. of Care Dept. Approved: Chief, Env. Management Dept. Approved: Dr. Facilities Management Approved: Chief, Medical Officer | Drawing Title SITE DEMOLITION PLAN Approved: VP, Administration Support Approved: C.E.O. | Project Title VA Loma Linda Healthcare System A/E OF Pharmacy Location 11201 BENTON STREET LOMA LINDA, CA 92357 Date 08.17.12 Checked MS Drawn Author Date 08.17.12 | Project Number 605-327 Building Number 24 Drawing Number A-010 Dept. of Veterans Affairs | Office of Construction and Facilities Management Department of Veterans Affairs |
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| 1 | REVIEWED UTILITIES | 08.16.12 |
| 2 | ISSUED FOR 100% SUBMITTAL | 08.17.12 |
| 3 | ISSUED FOR 100% SUBMITTAL | 07.27.12 |
| 4 | ISSUED FOR DESIGN DEVELOPMENT | 08.22.12 |
| 5 | SCHEMATIC DESIGN ISSUE | 08.06.12 |

one eighth inch = one foot
 one quarter inch = one foot
 one half inch = one foot
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 ninety nine inches = one foot
 one hundred inches = one foot




 NORTH
 ISSUED FOR 100% SUBMITTAL

1 GRADING LIMIT LINE REFER TO SHEET C-211.

2 JOIN REINFORCED CONCRETE SIDEWALK TO EXISTING WALK.

3 EXISTING SIDEWALK TO REMAIN. PROTECT IN PLACE.

4 REINFORCED CONCRETE SIDEWALK TO MATCH EXISTING. REFER TO SHEET C-211.

5 LOCATE SITE LIGHTING FIXTURE TO REMAIN. PROTECT IN PLACE.

6 RELOCATE EXISTING SITE LIGHTING FIXTURE ON NEW REINFORCED CONCRETE BASE TO MATCH EXISTING. REFER TO SHEET C-511.

7 EXISTING TREE TO REMAIN. PROTECT IN PLACE TYP.

8 EXISTING SITE SIGNAGE TO REMAIN. PROTECT IN PLACE.

9 RELOCATE EXISTING SITE SIGNAGE.

10 EXISTING BUS SHELTER TO REMAIN. PROTECT IN PLACE.

11 INSTALL EXISTING/RELOCATED BUS SHELTER ON REINFORCED CONCRETE PAD.

12 EXISTING PEDESTRIAN BRIDGE TO REMAIN. PROTECT IN PLACE.

13 REINFORCED CONCRETE CURB, REFER TO SHEET C-511.

14 REINFORCED CONCRETE CURB-CUT WITH 12-INCH WIDE GROOVED BORDER AND TRUNCATED DOMES. REFER TO SHEET G-004.

15 36" WIDE TRUNCATED DOMES STRIP. REFER TO SHEET G-004.

16 LINE OF EXCAVATION AND SOIL REPLACEMENT. REFER TO GEOTECHNICAL INVESTIGATION REPORT, DATED JUNE, 2012.

17 TEMPORARY CHAIN-LINK CONSTRUCTION FENCE.

18 LOCKABLE CHAIN-LINK GATE TO MATCH ADJACENT TEMPORARY CONSTRUCTION FENCE.

19 RESTORE ALL SURFACES OF PARKING LOT TEMPORARILY USED FOR CONSTRUCTION AREA INCLUDING PATCHING ALL HOLES AND CUTS WITH PAVEMENT TO MATCH. RE-STRIP PARKING LOT TO MATCH EXISTING ADJACENT.

20 6" DIAMETER X 72" STEEL BOLLARD CAST 36"-DEEP IN REINFORCED CONCRETE FOOTING WITH CONCRETE FILL. PAINT TO MATCH OSHA YELLOW. TYPICAL OF EIGHT. REFER TO SHEET A-032.

21 TRUNCATED DOMES ON REINFORCED CONCRETE CURB-CUT. ROUNDED CORNER LOCATION SHALL EVENLY MATCH AT BOTTOM OF CURB CUT WHERE IT MEETS THE EXISTING PAVEMENT.

22 12-INCH WIDE GROOVED REINFORCED CONCRETE BORDER. REFER TO SHEET G-004.

23 REINFORCED CONCRETE SIDEWALK LEVEL WITH PAVEMENT OF PARKING LOT. BETWEEN TWO CURB-CUTS. REFER TO SHEET G-004.

24 5-INCH HIGH X 72-INCH LONG PRECAST REINFORCED CONCRETH VERT. STOP CENTERED WITH PARKING STALL. ANCHORED MECHANICALLY WITH 14-INCH ANCHOR PINS AT BOTH ENDS. TYPICAL OF FIVE. REFER TO SHEET G-004.

25 ACCESSIBILITY PARKING SIGN MOUNTED ON STEEL POLE CENTERED WITH PARKING STALL. TYPICAL OF FOUR. REFER TO SHEET G-004.

26 ACCESSIBILITY VAN PARKING SIGN MOUNTED ON STEEL POLE. CENTERED WITH PARKING STALL.

27 UTILITY YARD WITH REINFORCED CONCRETE SLAB-ON-GRADE. AND REINFORCED CMU SCREENWALL WITH CEMENT PLASTER FINISH. REFER TO SHEET A-002.

28 SLOPED PAVED SERVICE DRIVEWAY. REFER TO SHEET C-211.

29 PAVED SERVICE LANDING. REFER TO SHEET C-211.

30 LANDSCAPE TREE. REFER TO SHEET L-210.

31 STRIPE 4-INCH WIDE SOLID WHITE PARKING STALL LINES AND ACCESSIBILITY FEATURES PER VA STANDARD FOR PARKING STALL LAYOUT. TYPICAL.

32 BUILDING SIGN. REFER TO SHEET A-031.

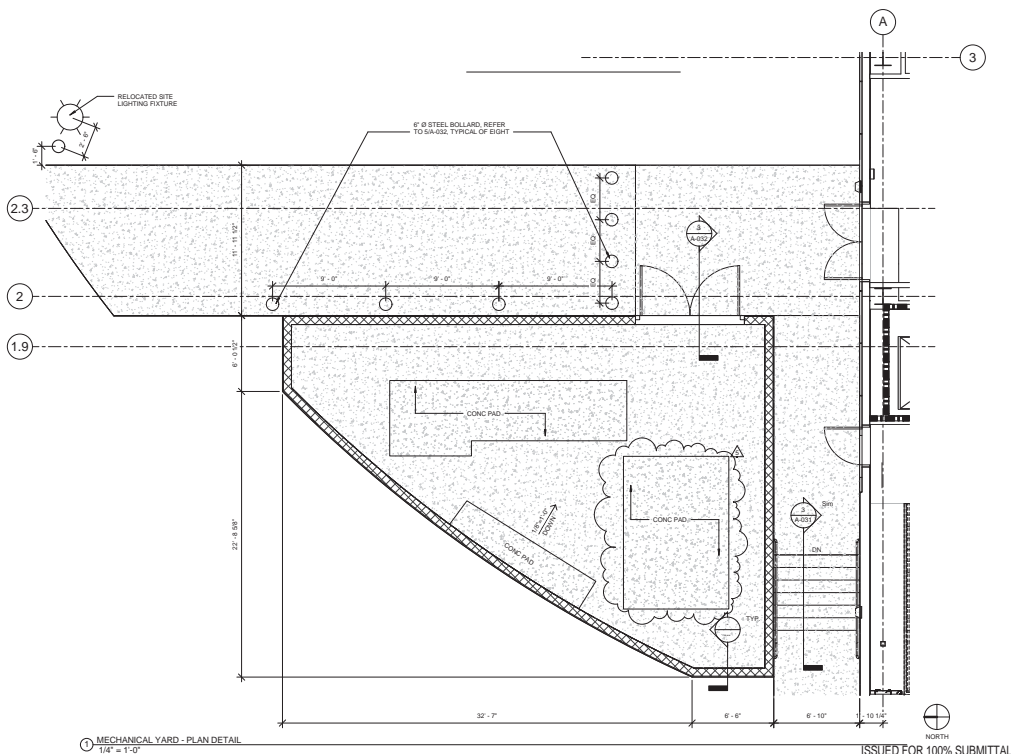
33 REFER TO SHEET C-411 AND E-010 FOR CONTINUATION.

34 PAVEMENT PATCH. REFER TO SHEET C-511.

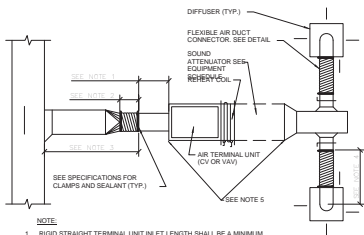
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| | | ARCHITECTS/ENGINEERS | | CONSULTANTS | | EwingCole Project Number 20110460 | | Approved: VA Project Engineer | | Approved: Chief, Env. of Care Dept. | | Drawing Title SITE PLAN | | Project Title VA Loma Linda Healthcare System A/E OP Pharmacy | | Project Number 605-327 | | <div>Office of Construction and Facilities Management</div> | | | |
| | | <div>PRINCIPAL Michael Lehman, AIA</div> <div><div>EWINGCOLE</div></div> | | | | | | Approved: Chief, Project Section | | Approved: Chief, Env. Management Dept. | | | | Location 11201 BENTON STREET LOMA LINDA, CA 92357 | | Building Number 24 | | | | Drawing Number A-020 | |
| 5 REVISED DUTIES | | 08/15/13 | | | | | | Approved: Chief, Maint. & Operations Office | | Approved: Dir., Facilities Management | | Approved: VP, Administration Support | | Date 08.17.12 | | Checked MS | | | | Drawn EML | |
| 4 REBID FOR 100% SUBMITTAL | | 08/15/13 | | | | | | | | | | | | Date 08.17.12 | | Checked MS | | | | Drawn EML | |
| 3 REBID FOR 100% SUBMITTAL | | 08/15/13 | | | | | | | | | | | | Date 08.17.12 | | Checked MS | | | | Drawn EML | |
| 2 REBID FOR DESIGN DEVELOPMENT | | 08/22/12 | | | | | | | | | | | | Date 08.17.12 | | Checked MS | | Drawn EML | | | |
| 1 ALTERNATE DESIGN ISSUE | | 04/05/12 | | | | | | | | | | | | Date 08.17.12 | | Checked MS | | Drawn EML | | | |
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| | | | | | | | | | | | | | | Date 08.17.12 | | Checked MS | | Drawn EML | | | |
| | | | | | | | | | | | | | | Date 08.17.12 | | Checked MS | | Drawn EML | | | |
| | | | | | | | | | | | | | | | | | | | | | |



5 STEEL BOLLARD BARRICADE
3/4" = 1'-0"

VA FORM 08-6231

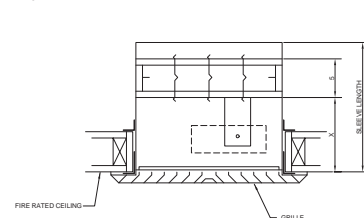




NOTE

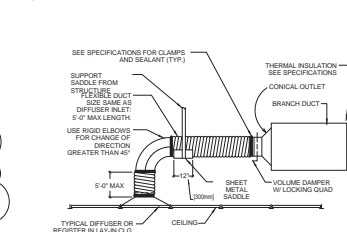
1. RIGID STRAIGHT TERMINAL UNIT INLET LENGTH SHALL BE A MINIMUM OF 1 TIMES THE DIAMETER OF INLET.
2. A FLEXIBLE AIR DUCT CONNECTOR IS NOT MANDATORY FOR INLET TO THIS BOX, BUT ALLOWED TO ACCOMMODATE MINOR OFFSETS. MAXIMUM LENGTH 3'-0" (900mm).
3. A BRANCH DUCT SERVING AN INDIVIDUAL BOX MAY BE THE SAME SIZE AS THE BOX INLET, PROVIDED THE EQUIVALENT LENGTH OF THE BRANCH DUCT, AS SHOWN, DOES NOT EXCEED 10 FEET (3.0 METERS). FOR LONGER LENGTHS, INCREASE THE DUCT SIZE AND PROVIDE A DUCT TRANSITION TO MAINTAIN THE DUCT STATIC PRESSURE DROP AT OR BELOW 0.27100 (1.04Pa/m).
4. FLEXIBLE AIR DUCT CONNECTORS, WHEN USED FROM TERMINAL UNIT SUPPLY AIR DUCT TO DIFFUSER, SHALL NOT EXCEED 6'-0" (1800mm). USE RIGID ELBOWS FOR CHANGE OF DIRECTION GREATER THAN 45°.
5. COMPONENT ARRANGEMENT MAY VARY BY MANUFACTURER. PROVIDE INSULATION W/VAPOR BARRIER FOR CONNECTING DUCT SECTIONS.
6. USE OF THE FLEXIBLE AIR DUCT CONNECTORS ARE NOT PERMITTED FOR THE DEDICATED AHU SERVING THE SURGICAL SUITE.

SECTION THRU FIRE DAMPER INSTALLATION



NOTE:
PROVIDE FIRE/SMOKE DAMPER THAT MEETS THE REQUIREMENTS ESTABLISHED BY THE CALIFORNIA STATE FIRE MARSHALL (CSFM) LISTING #2204-001100, #2204-001106 AND UL STANDARD 555 AND 555A LISTED #R13317. DAMPER DETAIL BASED ON GREENHECK MODEL #CFD-211

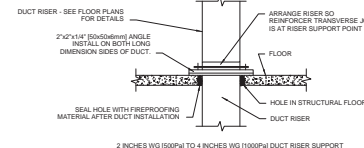
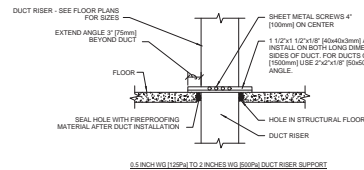
HORIZONTAL COMBINATION SMOKE/FIRE DAMPER



NOTE:
THE USE OF FLEXIBLE AIR DUCT CONNECTORS ARE NOT PERMITTED FOR THE DEDICATED AHU SERVING THE SURGICAL SUITE.

FLEXIBLE AIR DUCT CONNECTOR

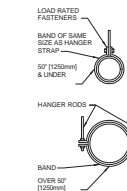
NTS



NOTE:
ALL DUCT WORK RISERS WHICH ARE RUN EXPOSED, SUCH AS THRU ATTIC FLOORS AND FAN ROOM FLOORS SHALL BE PROVIDED WITH A 3" (75mm) HIGH CONCRETE CURB AROUND OPENING FOR DUCT.

DUCT RISER SUPPORTS

NTS

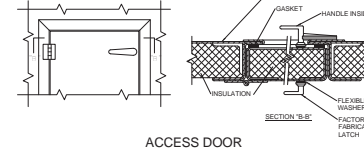
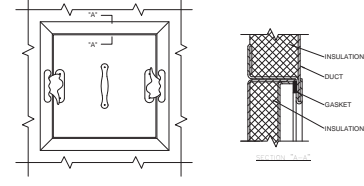


| MAX. DUCT IN (mm) | QUANTITY/SIZE | MAX. LOAD LBS (kg) | MAX. SPACING FT (mm) |
|----------------------|------------------------|-----------------------|-------------------------|
| 20 (508) | ONE 1/2" x 22 GA STRAP | 280 (119) | 144 (3658) |
| 36 (900) | ONE 1/2" x 18 GA STRAP | 420 (190) | 144 (3658) |
| 60 (1524) | ONE 1/2" x 18 GA STRAP | 700 (317) | 144 (3658) |
| 60 (1524) | TWO 3/8" x 1/2" RODS | 1320 (598) | 144 (3658) |
| 84 (2100) | TWO 1/2" x 1/2" RODS | 2500 (1133) | 144 (3658) |

NOTE:
TABLED DATA FROM SMACNA
ALLOWS FOR DUCT REINFORCING AND
INSULATION, BUT NO EXTERNAL LOAD.

ROUND DUCT HANGERS

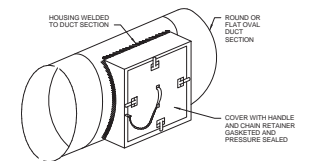
NTS



NOTES:
1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
2. HINGERS ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.
3. SEE SMACNA 2005, FIGURE 3-11.

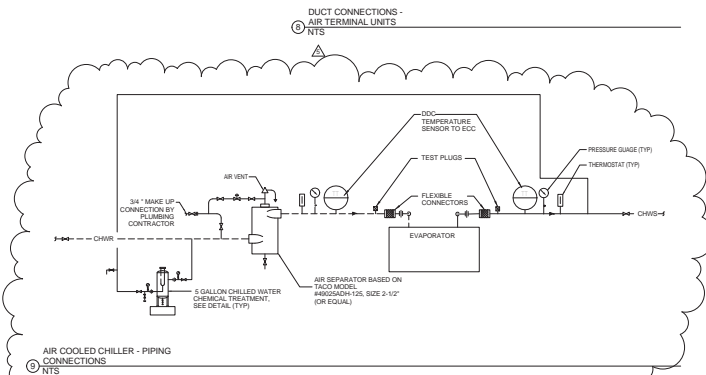
ACCESS PANEL AND DOOR DETAIL

NTS



ACCESS SECTION FOR ROUNDOVAL DUCT

NTS



AIR COOLED CHILLER - PIPING CONNECTIONS

NTS

ISSUED FOR 100% SUBMITTAL
NOT FOR CONSTRUCTION

| | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| ARCHITECTS/ENGINEERS PRINCIPAL Michael Lehman, AIA PROJECT MANAGER Steph Vargas, LEED AP PROJECT ARCHITECT Travis Wagner, P.E. PROJECT DESIGNER Markon Lam | | CONSULTANTS EwingCole Project Number 20110460 | Approved: VA Project Engineer Approved: Chief, Project Section Approved: Chief, Maint. & Operations Office Approved: Chief, Engineering Dept. | Approved: Chief, Env. of Care Dept. Approved: Chief, Env. Management Dept. Approved: Dr. Facilities Management Approved: Chief, Medical Officer | Drawing Title HVAC DETAILS Approved: VP, Administration Support Approved: C.E.O. | Project Title VA Loma Linda Healthcare System A/E OF Pharmacy Location 11201 BENTON STREET LOMA LINDA, CA 92357 | Project Number 605-327 Building Number 24 Drawing Number M-514 Date 08.17.12 Checked TC Drawn ML Date of | Office of Construction and Facilities Management Department of Veterans Affairs |
|---|--|--|--|--|--|--|--|--|

| AIR HANDLING UNIT SCHEDULE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | ELECTRICAL | | | | | | | ELECTRICAL | | | | | ENT. FLUID | | | | | FACE AREA | | | | | UNIT WEIGHT | MANUFACTURER | MODEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | MOTOR RPM | HP | TOTAL BHP | VOLT | PH | | | Hz | RPM | HP | TOTAL BHP | VOLT | PH | Hz | SENSIBLE | TOTAL | ENT. FLUID TEMP | FLUID TEMP | LVG FLUID TEMP | FLOW RATE | ENT. DB | ENT. WB | | | | LVG DB | LVG WB | PD | NO. OF ROWS | FIN SPACING | | FACE AREA | TYPE | PRIMARY TYPE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- SUPPLY/RETURN FAN TO COME COMPLETE WITH AIRFLOW MONITORING STATIONS, VFDs, CONTROLS PER DETAIL 1 ON SHEET M-517, FAN INTERNALLY ISOLATED.
- TOTAL STATIC PRESSURE IS AN ESTIMATED VALUE BASED ON INFORMATION OF ONE MANUFACTURER OF AHU'S. ADJUST TOTAL AS REQUIRED BASED ON ACTUAL UNIT & COIL LOSSES & SPECIFIED EXTERNAL & FILTER FINAL SP.

| AIR COOLED CHILLER SCHEDULE | | | | | | | | | | | | | | | | | | | | | | | | | | | BASIS OF DESIGN | | | | REMARKS | | | | | |
|-----------------------------|------------|---------------|-------------------------------|-------------|-----------------|-----------|-----------------|-----------|-----------------|--------|---------------------|-----------|--------------------|------|-------------------------|----------|-----|---------------|------------|-------|------|-------|--------------|----------|------------|-------|-----------------|-----------|-----|-------|---------|----|----|-----|-----|--------|
| SYMBOL | EQUIP. NO. | EQUIP. SERVED | TOTAL COOLING CAPACITY (TONS) | PDFT. W.G. | AMB SUMMER TEMP | FLOW | | | | | FULL LOAD EFF (EER) | PLV (EER) | NO. OF COMPRESSORS | QTY. | AVAILABLE HEAD PRESSURE | TOTAL PD | HP | EXP. TANK VOL | ELECTRICAL | | | | MANUFACTURER | MODEL | | | | | | | | | | | | |
| | | | | | | MIN. | PD AT MIN. FLOW | MAX | PD AT MAX. FLOW | EWT °F | | | | | | | | | LWT °F | 8.4 | 13.8 | 4 | | | 2 | 83 | 9.4 | 5.000 hp | 4.8 | 460 V | | PH | Hz | MCA | MOC | WEIGHT |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH | 1 | AHU-1 | 40 | 16.40 (H2O) | 105 °F | 56.70 GPM | 8.5 | 45.80 GPM | 45.8 | 54 °F | 42 °F | 8.4 | 13.8 | 4 | 2 | 83 | 9.4 | 5.000 hp | 4.8 | 460 V | 3 | 60 Hz | 107.60 A | 125.00 A | 6117.00 lb | Trane | CG4MR40 | SEE NOTES | | | | | | | | |

- COMPLETE WITH HIGH AMBIENT, UL LISTED, REFRIGERANT ISOLATION VALVES, IBC SEISMICALLY RATED UNIT, FREEZE PROTECTION (EXTERNAL T-STAT CONTROL), FACTORY INSULATION ON ALL COLD PARTS, FULL FACTORY REFRIGERANT CHARGE (HFC-410A), STANDARD COOLING, LANCED ALUMINUM FINS, ACROSS THE LINE STARTER/DIRECT ON LINE, SINGLE POINT POWER CONNECTION WITH TERMINAL BLOCK CONN. FOR INCOMING LINES, WATER TIGHT PER UL 1986 STANDARD, SACKET INTERFACE FOR 8IN. DUAL, HIGH HEAD PUMP WITH PUMP FLOW CONTROLLED BY VARIABLE SPEED DRIVE, SEISMICALLY RATED ISOLATORS, WATER STRAINER FACTORY-INSTALLED, COMPREHENSIVE ACOUSTIC PACKAGE, STANDARD PAINT & PHASE REVERSAL PROTECTION.

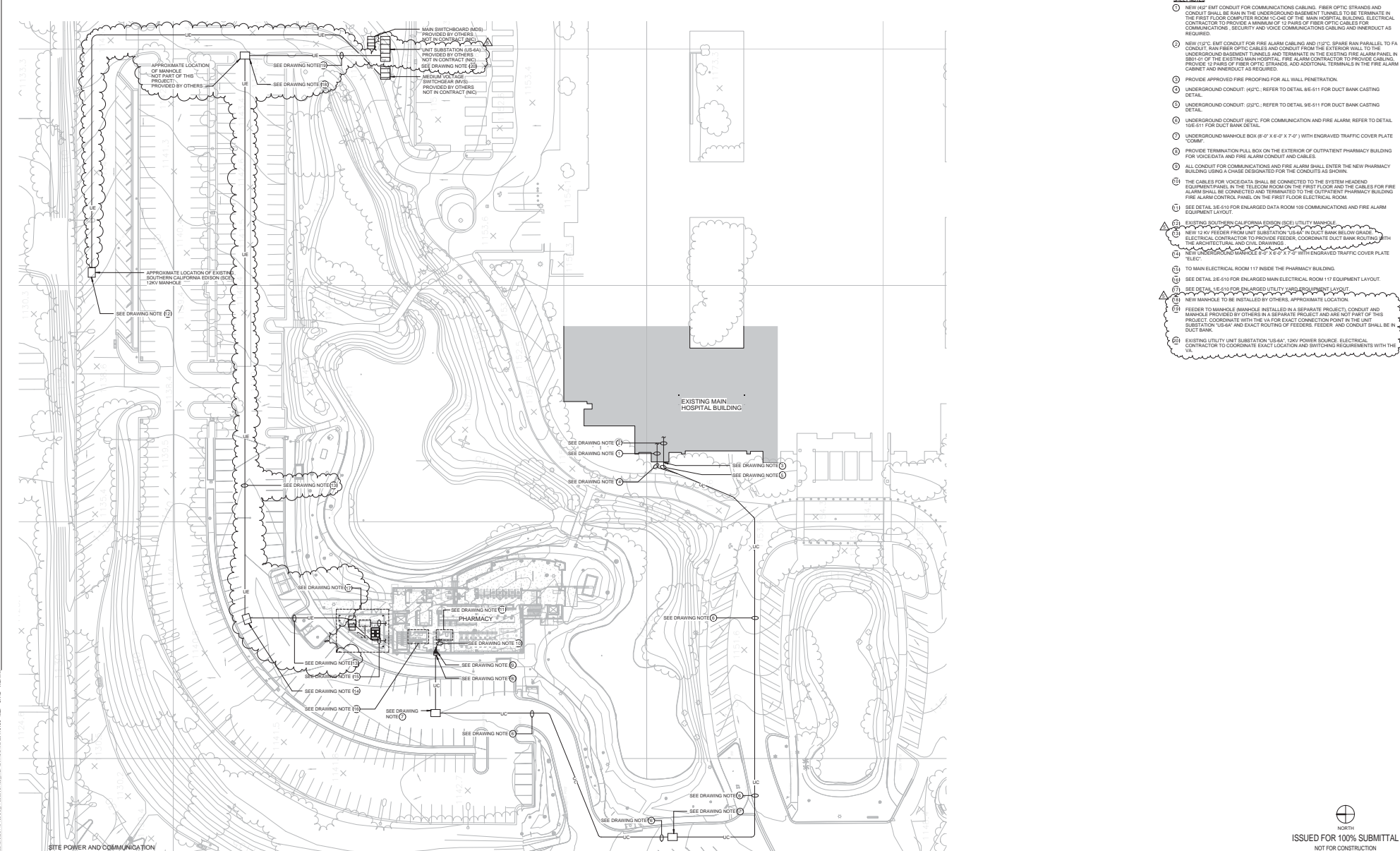
- COMPLETE WITH INTERNAL EXPANSION TANK AND 140 GALLON BUFFER TANK

| FAN COIL UNIT SCHEDULE | | | | | | | | | | | | | | | | | | | | BASIS OF DESIGN | | | | REMARKS |
|------------------------|------------|-----------|--------------|-----------|-----|-----------|------------|-----|-----|------------|-------|----|-------|------|--------|--------------|----------|------------------|--|-----------------|--|--|--|---------|
| SYMBOL | EQUIP. NO. | TOTAL CFM | COOLING | | QTY | FILTER | | | | ELECTRICAL | | | | | WEIGHT | MANUFACTURER | MODEL | | | | | | | |
| | | | SENSIBLE MBH | TOTAL MBH | | TYPE | SIZE | MCA | MOP | HP | VOLT | PH | Hz | RPM | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| FCU | 1 | 1200 CFM | 27.7 | 37.5 | 1 | THROWAWAY | 20"x20"x1" | 4 | 15 | 0.330 hp | 208 V | 1 | 60 Hz | 1050 | 140 | TRANE | GAM50A30 | PAIRED WITH CU-1 | | | | | | |

| CONDENSING UNIT SCHEDULE | | | | | | | | | | | | | | | | | | | BASIS OF DESIGN | | | | REMARKS |
|--------------------------|------------|----------|---------------------|-------|-----------------|-----------------|----------------|---------|-----|-----|----------|------------|--------|--------------|-----------|-------|--|-------------------|-----------------|--|--|--|---------|
| SYMBOL | EQUIP. NO. | LOCATION | TOTAL COOLING RTU/H | STEPS | AMB SUMMER TEMP | AMB WINTER TEMP | COMPRESSOR QTY | FAN QTY | MCA | MCB | FAN HP | EER RATING | WEIGHT | MANUFACTURER | | MODEL | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| CU | 1 | ROOF | 37500 | 1 | 105 | 40 | 1 | 1 | 15 | 25 | 0.125 hp | 12 | 230 | TRANE | 4ATTA3036 | | | PAIRED WITH FCU-1 | | | | | |

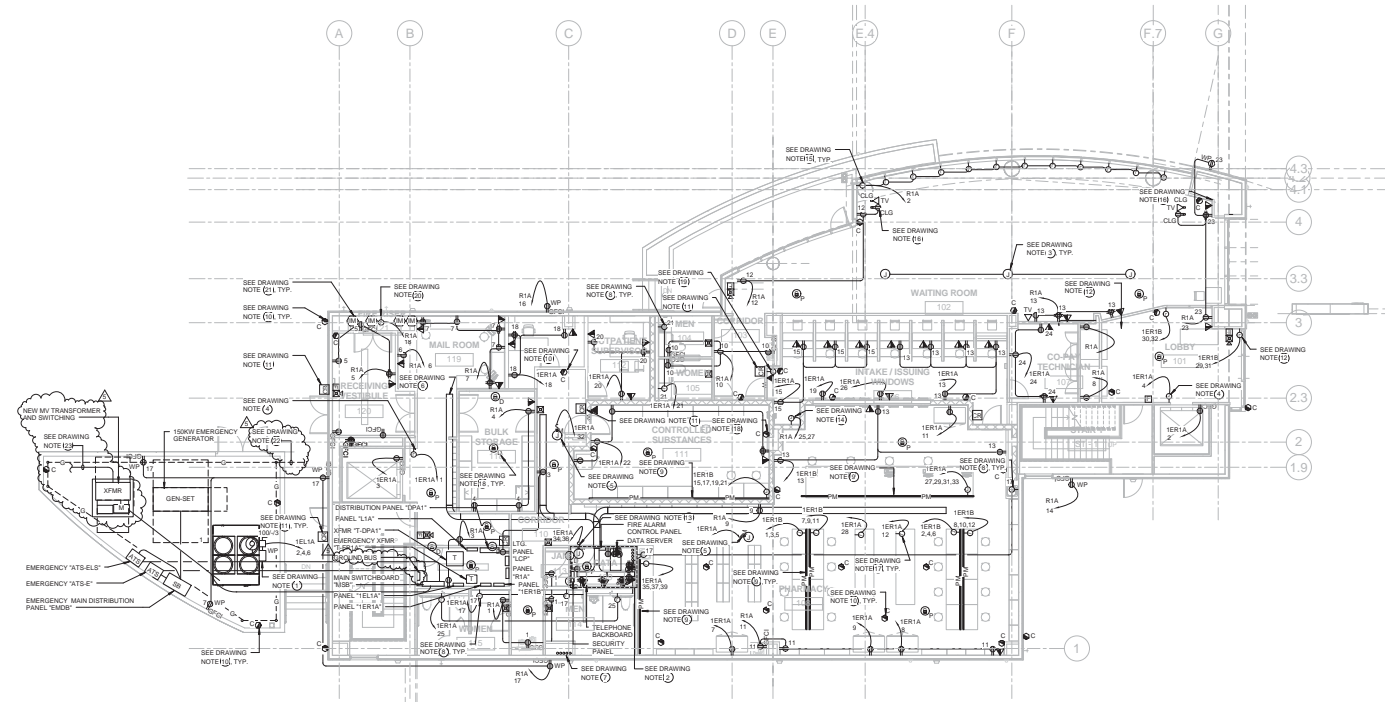
| AIR VOLUME CONTROL BOX | | | | | | | | | | | | | | | | | | | | | | | | | | | BASIS OF DESIGN | | | | REMARKS |
|------------------------|------------|----------------------------|----------------------|---------------|---------------------------|----------|-------|--------|-------------------------|----------------------|--------------|----------------|-------|-----|----------|----------|--------------|-------|------------------|------------|--|--|--|---------|-------|--|-----------------|--|--|--|---------|
| SYMBOL | SYMBOL NO. | ROOM #/S | SERVICE | INLET SIZE IN | PRIMARY AIR COOLING (CFM) | | WO SP | MAX NC | ELECTRICAL (SEE NOTE 5) | | HEATING COIL | | WATER | | | MIN ROWS | MANUFACTURER | MODEL | | | | | | | | | | | | | |
| | | | | | MAX CFM | MIN CFM | | | 24V TRANSFORMER | ELEC SERVED FROM VAV | HTG CFM | BTU/H | EAT | LAT | GPM | | | | | | | | | PDFT WG | VALVE | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VAV | 101 | BULK STORAGE 118 | ROOM 119/120 | 8 | 480 CFM | 160 CFM | 0.72 | 23 | | 109 | 160 CFM | 6070.0 Btu/h | 55 | 90 | 0.36 GPM | 0.12 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 102 | PHARMACY 108 | ROOM 111/114/115/118 | 8 | 620 CFM | 620 CFM | 0.98 | 25 | | 109 | 620 CFM | 25440.0 Btu/h | 55 | 95 | 2.00 GPM | 0.63 | 2-WAY | 2 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 103 | INTAKE/ISSUING WINDOWS 106 | ROOM 106/107 | 6 | 375 CFM | 375 CFM | 1.12 | 21 | | 105 | 375 CFM | 5080.0 Btu/h | 55 | 98 | 0.83 GPM | 0.34 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 104 | PHARMACY 108 | ROOM 108 | 16 | 2000 CFM | 2000 CFM | 0.34 | 26 | | 105 | 2000 CFM | 103110.0 Btu/h | 55 | 102 | 7.04 GPM | 6.29 | 2-WAY | 2 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 105 | CORRIDOR 103 | ROOM 102-2 | 14 | 2600 CFM | 870 CFM | 0.97 | 22 | X | | 870 CFM | 35880.0 Btu/h | 55 | 93 | 2.45 GPM | 1.37 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 106 | CO-PAY TECHNICIAN 107 | ROOM 101-2 | 8 | 380 CFM | 130 CFM | 1.1 | 21 | | 105 | 130 CFM | 4820.0 Btu/h | 55 | 90 | 0.34 GPM | 0.08 | 3-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 107 | CORRIDOR 116 | ROOM 117 | 8 | 850 CFM | 285 CFM | 0.98 | 25 | | 109 | 0 CFM | 0.0 Btu/h | 0 | 0 | 0.00 GPM | 0 | N/A | 0 | Price Industries | SDV Series | | | | | | | | NO REPEAT COIL REQUIRED FOR THIS VAV BOX | | | |
| VAV | 108 | BULK STORAGE 118 | ROOM 122 | 8 | 165 CFM | 70 CFM | 0.72 | 23 | | 109 | 70 CFM | 3410.0 Btu/h | 55 | 103 | 0.30 GPM | 0.1 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 109 | CORRIDOR 110 | ROOM 112 | 8 | 165 CFM | 70 CFM | 0.72 | 23 | X | | 70 CFM | 3500.0 Btu/h | 55 | 104 | 0.34 GPM | 1.28 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 201 | CBOC PHARMACISTS 218 | ROOM 207/213/214 | 14 | 850 CFM | 255 CFM | 0.92 | 23 | X | | 255 CFM | 9680.0 Btu/h | 55 | 90 | 0.71 GPM | 0.15 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 202 | CBOC PHARMACISTS 218 | ROOM 215/216 | 14 | 1625 CFM | 490 CFM | 0.92 | 23 | | 201 | 490 CFM | 8000.0 Btu/h | 55 | 102 | 1.83 GPM | 0.69 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 203 | CONFERENCE ROOM 220 | ROOM 219/220 | 8 | 670 CFM | 200 CFM | 0.84 | 22 | X | | 200 CFM | 7630.0 Btu/h | 55 | 90 | 0.42 GPM | 0.09 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 204 | RESIDENTS/STUDENTS 208 | ROOM 208 | 6 | 450 CFM | 135 CFM | 1.07 | 23 | | 205 | 135 CFM | 7000.0 Btu/h | 55 | 103 | 1.10 GPM | 0.1 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 205 | RESIDENTS/STUDENTS 208 | ROOM 209 | 10 | 600 CFM | 180 CFM | 1.05 | 25 | X | | 180 CFM | 6000.0 Btu/h | 55 | 86 | 0.30 GPM | 0.36 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 206 | CONFERENCE ROOM 220 | ROOM 204/205 | 8 | 420 CFM | 135 CFM | 1.08 | 22 | | 203 | 135 CFM | 5400.0 Btu/h | 55 | 92 | 0.32 GPM | 0.69 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 207 | CONFERENCE ROOM 220 | ROOM 201/202 | 8 | 750 CFM | 225 CFM | 0.85 | 22 | | 203 | 225 CFM | 8540.0 Btu/h | 55 | 90 | 0.73 GPM | 0.09 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 208 | STAFF LOUNGE 219 | ROOM 210/211 | 14 | 380 CFM | 115 CFM | 0.92 | 23 | | 205 | 115 CFM | 4500.0 Btu/h | 55 | 91 | 0.31 GPM | 0.31 | 2-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 209 | CBOC PHARMACISTS 218 | ROOM 216 | 10 | 200 CFM | 70 CFM | 1.02 | 25 | | 201 | 0 CFM | 0.0 Btu/h | 0 | 0 | 0.00 GPM | 0 | N/A | 0 | Price Industries | SDV Series | | | | | | | | NO REPEAT COIL REQUIRED FOR THIS VAV BOX | | | |
| VAV | 210 | CORRIDOR 203 | ROOM 206 | 8 | 240 CFM | 75 CFM | 1.08 | 22 | | 203 | 75 CFM | 3560.0 Btu/h | 55 | 101 | 0.31 GPM | 0.31 | 3-WAY | 1 | Price Industries | SDV Series | | | | | | | | | | | |
| VAV | 211 | MECH 221 | ROOM 221 | 6 | 350 CFM | 105 CFM | 1.12 | 21 | | 201 | 0 CFM | 0.0 Btu/h | 0 | 0 | 0.00 GPM | 0 | N/A | 0 | Price Industries | SDV Series | | | | | | | | NO REPEAT COIL REQUIRED FOR THIS VAV BOX | | | |
| VAV | 212 | RESIDENTS/STUDENTS 208 | ROOM 201A | 6 | 400 CFM | 180 CFM | 1.12 | 21 | | 203 | 0 CFM | 0.0 Btu/h | 0 | 0 | 0.00 GPM | 0 | N/A | 0 | Price Industries | SDV Series | | | | | | | | NO REPEAT COIL REQUIRED FOR THIS VAV BOX | | | |

- BOX WIDE OPEN STATIC PRESSURE LOSS, IN W.G. INCLUDING HEATING COIL.
- MAXIMUM MANUFACT



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| ARCHITECTS/ENGINEERS EWING COLE PRINCIPAL Michael Lehman, AIA PROJECT MANAGER Steph Vargas, LEED AP PROJECT ARCHITECT Greg Wainwright, P.E. PROJECT DESIGNER 1521 Laguna Canyon Road, Suite 200 Irvine, CA 92618 Tel: 949-417-7550 Fax: 949-585-3391 | | CONSULTANTS EWING-COLE PROJECT NUMBER 20110460 Approved: Chief, Project Section Approved: Chief, Maint. & Operations Office Approved: Chief, Engineering Dept. | | EWING-COLE PROJECT NUMBER 20110460 Approved: VA Project Engineer Approved: Chief, Env. of Care Dept. Approved: Chief, Env. Management Dept. Approved: Dr. Facilities Management Approved: Chief, Medical Officer | | Drawing Title SITE POWER AND COMMUNICATION PLAN Approved: VP, Administration Support Approved: C.E.O. | | Project Title VA Loma Linda Healthcare System A/E OP Pharmacy Location 11201 BENTON STREET LOMA LINDA, CA 92357 Date 08.17.12 | | Project Number 605-327 Building Number 24 Drawing Number E-010 Checked G.W. Drawn Author Dwg. of | | Office of Construction and Facilities Management Department of Veterans Affairs | |
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1 FIRST FLOOR POWER AND SIGNAL PLAN
1/8" = 1'-0"

- GENERAL NOTES:
- DRAWING NOTES ARE INDICATED BY THIS SYMBOL: ○
 - FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND MOUNTING HEIGHTS, REFER TO DRAWING E-01.
 - THE ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL ELECTRICAL AND TELECOMMUNICATION DEVICES WITH THE ARCHITECTURAL PLANS.
 - ALL FIRE ALARM DEVICES SHALL MATCH VA STANDARDS. PROVIDE POWER SUPPLIES AND REQUIRED BATTERY PACKS TO ACCOMMODATE THE NUMBER OF DEVICES.
 - COORDINATE PLACEMENT OF ALL ELECTRICAL EQUIPMENT WITH THE ARCHITECTURAL DRAWINGS.
 - ALL PENETRATION IN SMOKE PARTITIONS SHALL COMPLY WITH CBC SECTION 709.6.
 - COORDINATE AND VERIFY TELECOMMUNICATIONS AND SECURITY EQUIPMENT REQUIREMENTS AND EXACT LOCATIONS WITH THE VA IT DEPARTMENT PRIOR TO ROUGH-IN AND INSTALLATION.

- SHEET NOTES:
- PROVIDE POWER TO NEW CHILLER (CH-1), 480V, 3PH, 33.88KW. VERIFY EXACT LOCATION WITH THE MECHANICAL PLAN.
 - SEE 3E-610 FOR ENLARGED DATA ROOM POWER LAYOUT.
 - JUNCTION BOX PROVIDED FOR 1T, RADIO SWITCH CONNECTION. ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOX AND WIRING TO DATA ROOM 108. VA IT DEPARTMENT TO PROVIDE DEVICE AND TERMINATION. TYPICAL OF (3). ELECTRICAL CONTRACTOR TO VERIFY EXACT REQUIREMENTS WITH THE VA IT DEPARTMENT PRIOR TO INSTALLATION.
 - JUNCTION BOX FOR CONNECTION TO ELEVATOR FIRE CURTAIN. VERIFY WITH ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF EQUIPMENT.
 - JUNCTION BOX PROVIDED FOR POWER CONNECTION TO MECHANICAL VARIABLE AIR VOLUME (VAV) BOXES. VERIFY EXACT LOCATION OF BOXES WITH THE MECHANICAL PLANS. ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOX, CONDUIT AND CONDUIT GROMMET FOR VAV BOXES. CONNECT MAXIMUM OF 3 VAV BOXES PER CIRCUIT. 18" WIDE BY 4" TALL OPEN ALUMINUM LADDER CABLETRAY, TYPICAL.
 - NEW 650°C FOR COMMUNICATION, FIRE ALARM AND SECURITY SYSTEMS FROM MAIN HOSPITAL BUILDING. SEE SHEET E-010 FOR ROUTING FROM MAIN HOSPITAL BUILDING TO LOCATION SHOWN.
 - JUNCTION BOX FOR CONNECTION TO PROXIMITY FAULT SYSTEM. VERIFY WITH PLUMBING PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT.
 - 4 TWO COMPARTMENT RACEWAY SYSTEM WHEREBOLD DESIGNER GRAY COLOR. UPPER COMPARTMENT SHALL CONTAIN 14L HEAVY DUTY SPECIFICATION GRADE 30 AMPERE, 120V THREE WIRE MAIN 5-20S CIRCULAR RECEPTACLE ON 4" CENTERS. RECEPTACLES LOCATED WITHIN 6 FEET OF A SINK SHALL BE GROUND FAULT CIRCUIT INTERRUPTER TYPE. ALTERNATE CIRCUIT ALUMINUM RECEPTACLE ON MULTI-OUTLET RACEWAY SERVED FROM MULTIPLE BRANCH CIRCUITS AS INDICATED IN THE DRAWINGS. MAXIMUM OF 40 RECEPTACLES PER CIRCUIT. ALTERNATE COMPARTMENT SHALL CONTAIN PROVISIONS FOR TELEDATA OUTLETS ON 36" CENTERS OR PER VA IT DEPARTMENT REQUIREMENTS.
 - CCTV CAMERA. CONNECT CAMERA TO EXISTING MAIN HOSPITAL SECURITY MONITOR.
 - PROVIDE POWER CONNECTION TO CARD READER. CONNECT TO BRANCH CIRCUIT "TRIA17". CONNECT NEW CARD READERS TO EXISTING HOSPITAL INTRUSION DETECTION SYSTEM/DOOR ALARMS.
 - JUNCTION BOX PROVIDE FOR AUTOMATIC DOOR OPENER. PROVIDE CONNECTIONS TO DOOR OPERATOR AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH THE DOOR INSTALLER.
 - PROVIDE POWER TO FAN COOL UNIT (FCU-1). VERIFY EXACT EQUIPMENT LOCATION WITH THE MECHANICAL PLAN.
 - PROVIDE POWER TO SECURITY GRILLE MOTOR. VERIFY EXACT POWER REQUIREMENTS WITH THE DOOR/GRILLE INSTALLER.
 - PROVIDE POWER CONNECTION TO WINDOW SHADE SYSTEM.
 - CEILING MOUNTED RECEPTACLE FOR CEILING MOUNTED TELEVISION.
 - PROVIDE POWER CONNECTION TO PHARMACY AUTOMATED EQUIPMENT. VERIFY EXACT POWER REQUIREMENT WITH THE EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
 - PROVIDE POWER CONNECTION TO FIRE SMOKE DAMPER. TYPICAL OF 6. CONNECT TO FIRE ALARM SYSTEM ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOX, CONDUIT AND DISCONNECTING MEANS. CONNECT ALL FIRE SMOKE DAMPERS IN THIS FLOOR (MAX. OF 1 TO 10) TO TERMIN-2P.
 - GENERATOR ANNUNCIATOR.
 - PROVIDE POWER CONNECTION TO PLUMBING ELECTRONIC TRAP SEAL. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH THE PLUMBING PLANS.
 - PROVIDE INTERFACE MODULE FOR SUPERVISION OF FIRE SPRINKLER SYSTEM. TOTAL OF (4) IN FIRE RISER ROOM. (2) FOR FIRE SPRINKLER TAMPERS AND (2) FOR FLOW SWITCHES.
 - PROVIDE GROUND ROD AND GROUND WIRES IN THE EQUIPMENT RACKS AND CONNECT TO GROUNDING BUS INSIDE THE MAIN ELECTRICAL ROOM.
 - FEEDER TO UNIT SUBSTATION "US-6A". PROVIDE FEEDER INSIDE NEW BELOW GRADE DUCT BANK. SEE SHEET E-010 FOR FEEDER AND DUCT BANK ROUTING AND SEE SINGLE LINE DIAGRAM FOR FEEDER SIZE.

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| ARCHITECTS/ENGINEERS | | CONSULTANTS | | EwingCole Project Number 20110460 | Approved: VA Project Engineer | Approved: Chief, Env. of Care Dept. | Drawing Title FIRST FLOOR POWER AND SIGNAL PLAN | Project Title VA Loma Linda Healthcare System A/E OF Pharmacy | Project Number 605-327 | Office of Construction and Facilities Management Department of Veterans Affairs |
| PRINCIPAL Michael Lehman, AIA | | | | | Approved: Chief, Project Section | Approved: Chief, Env. Management Dept. | | | | |
| PROJECT MANAGER Steph Vargas, LEED AP | | | | | Approved: Chief, Maint. & Operations Office | Approved: Dr. Facilities Management | | | | |
| PROJECT ARCHITECT Greg Weinhold, P.E. | | | | | Approved: Chief, Engineering Dept. | Approved: Chief, Medical Officer | | | | |
| PROJECT DESIGNER | | 15231 Laguna Canyon Road, Suite 200 Irvine, CA 92618 Tel: 949-417-7550 Fax: 949-955-9391 | | | | | Approved: VP, Administration Support | Location 11201 BENTON STREET LOMA LINDA, CA 92357 | Building Number 24 | |
| Revisions | | | | | | | Approved: C.E.O. | Date 08.17.12 | Checked Author | Dwg. of E-210 |
| 1 | REVISIONS/UTILITIES | 08.16.12 | | | | | | | | |
| 2 | ISSUED FOR 100% SUBMITTAL | 08.17.12 | | | | | | | | |
| 3 | ISSUED FOR 90% SUBMITTAL | 07.27.12 | | | | | | | | |
| 4 | ISSUED FOR DESIGN DEVELOPMENT | 06.27.12 | | | | | | | | |
| 5 | SCHEMATIC DESIGN ISSUE | 06.06.12 | | | | | | | | |

