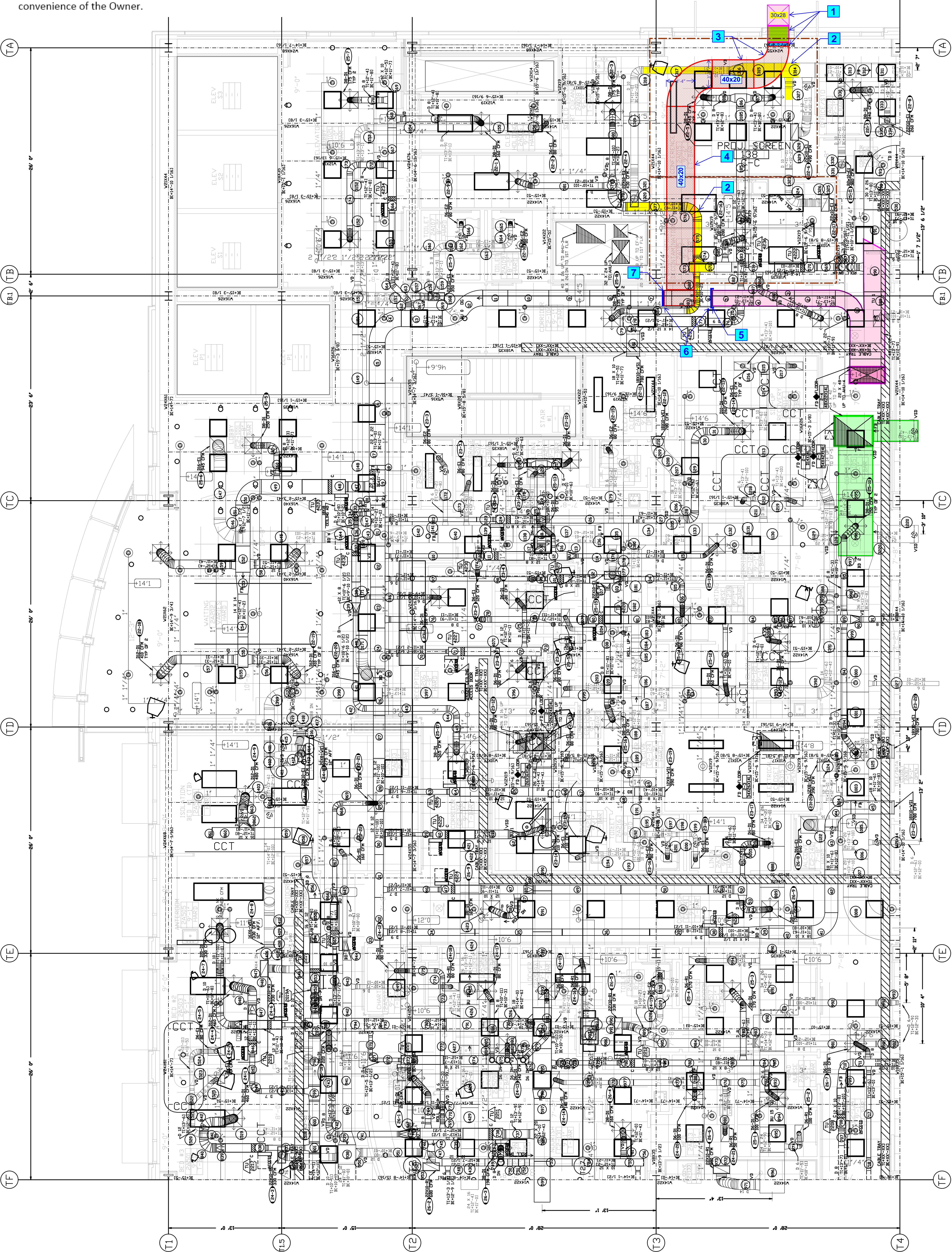


GENERAL NOTES

- A. All exterior ductwork shall be Thermaduct, to match existing.
- B. All interior ductwork shall be G90 galvanized sheet metal constructed to 4" w.g. pressure class. For rectangular ducts, longitudinal joints shall be Pittsburgh lock with seal Class A. Provide TDC or Ductmate flanged joints with Ductmate 440 gasket tape, or equal. Internal tie rods are not allowed. Round ducts shall be constructed to 10" w.g. pressure class with spiral lock seams and beaded sleeve joints (SMACNA RT-1) or flange joints (RT-2, RT-2A or Econo Flange).
- C. Insulate all interior ductwork with 1-1/2" thick fiberglass insulation with minimum R-8 insulation value, similar to Owens Corning "All Service Duct Wrap" or Johns Manville Microlite with FRK or FSK jacket.
- D. Support ductwork maximum 60" on center with 1-1/4" x 18-gauge sheet metal straps folded under duct and double-folded at attachment to structure. Round ducts to be supported with single strap hanger per SMACNA Table 5-2 and Figure 5.5. Attach straps to structure with Hilti KB-TZ expansion anchors, 3/8" diameter with minimum 3-1/2" embedment.
- E. All fasteners and metal materials installed outdoors shall be stainless steel. Metal parts installed indoors shall be galvanized or electroplated steel.
- F. Work to be performed so as to minimize disruption to Hospital operations. This will require most of the work to be done during weekends and off-hours. Coordinate with Owner when work is to be performed, and provide sufficient advance notice not less than one week before work is to commence. Date and time shall be at the sole convenience of the Owner.

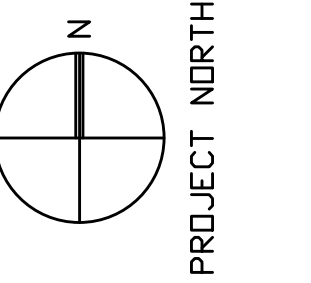
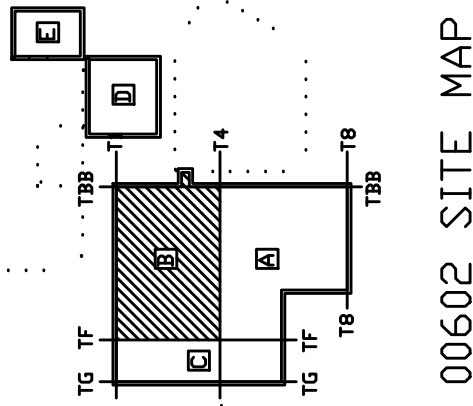
SHEET NOTES

1. Connect to bottom of new 30x28 riser with Thermaduct elbow provided by Cooper-Oates Air Conditioning. See Detail 1 on the next page for additional requirements. Provide flashing and sealing of duct penetration through exterior wall to ensure a watertight seal.
2. Reroute, offset, and/or modify existing ductwork highlighted in yellow as needed to allow installation of new supply duct.
3. Transition in drop cheek elbow to one of the acceptable duct sizes noted in Detail 1. Ductwork shown is 40x20.
4. Install new duct above ceiling, generally as shown. Make adjustments as needed to best install the duct while minimizing work to existing ducts, pipes, conduits, cabling, ceiling support wires, etc. above the ceiling. Install all new ductwork except for the final point of connection to interior duct, then leak test new ductwork.
5. Only after all new ductwork has been installed, leak tested and ready for final connection, cut and cap existing supply duct with 20-gauge galvanized sheet metal cap, and secure to duct flange with #10 sheet metal screws at 4" on center. Provide continuous bead of non-hardening caulking between mating surfaces to effect an airtight seal.
6. Disconnect and remove this section of duct.
7. Connect to existing supply duct. Immediately afterwards, check air balances of all diffusers and air outlets associated with this duct main. Where necessary, adjust air balance to maintain airflows recorded in a survey performed in April 2017. Obtain a copy from the Owner.



- SHEET NOTES
- ① AIR OUTLET QUANTITIES ARE BASED ON MECHANICAL DRAWINGS.
 - ② AIR OUTLET QUANTITIES ARE BASED ON ARCHITECTURAL DRAWINGS.
 - ③ - DENOTES REMOTE REGULATOR FOR VOLUME DAMPER.
 - ④ THESE DRAWINGS HAVE BEEN REVISIONED, CHANGED FROM ROUND TO RECTANGULAR OR RECTANGULAR TO ROUND FOR DIFFUSERS, OUTLETS, AND TO ACCOMMODATE PHYSICAL CONDITIONS.
 - ⑤ THESE DRAWINGS ARE PROVIDED BY LMC AS A GUIDE ONLY. LMC DOES NOT WARRANT THE ACCURACY OF THE INFORMATION AND THE INFORMATION IS NOT A WARRANTY MADE BY LMC AS TO THE ACCURACY OF THE INFORMATION. THE INFORMATION IS PROVIDED TO VERIFY LOCATION, DIMENSIONS, SIZES, ETC.

2ND FLOOR HVAC PLAN (AREA B)
1/4" = 1'-0"



A California Corporation 6090 S. Watt Ave., Sacramento, Ca. 95829 P.O. Box 15564, Sacramento, Ca. 95851 FAX 916 381-5073		916-381-5000 FAX 916 381-5073
PROJECT NO.	00602	00602
DATE	9-11-00	9-11-00
DESIGNED BY	DESIGNED BY	DESIGNED BY
DRAWN BY	DRAWN BY	DRAWN BY
CHECKED BY	CHECKED BY	CHECKED BY
SCALE	1/4" = 1'-0"	1/4" = 1'-0"
FILE NAME	00602007.DWG	00602007.DWG
UP/DAT/PLT	PD 04-25-03	PD 04-25-03
2ND FLOOR HVAC PLAN AREA B	H2.2 HVAC	

LEVEL 3
34' - 0"

NEW DISTRIBUTION DUCTWORK SHALL BE G90 GALVANIZED SHEET METAL, CONSTRUCTED TO 4" W.G. PRESSURE CLASS. TRANSITION TO SIZE AND SHAPE TO BEST FIT ABOVE CEILING. ACCEPTABLE SIZES ARE: 32x24, 36x22, 40x20, 44x18, 52x16 AND 30"-ROUND.

DROP CEILING AT PERIMETER OF ROOM TO ACCOMMODATE DUCT PENETRATION THROUGH THE EXTERIOR WALL.

IMMEDIATELY AFTER DUCT ENTERS BUILDING, TRANSITION TO METAL DUCT. BRACE DUCT AND INSTALL HIGH-PRESSURE RATED MULTIBLADE VOLUME DAMPER WITH BLADES IN THE VERTICAL POSITION. INSTALL REMOTE DAMPER OPERATOR (METROPOLITAN AIR TECHNOLOGY)

NEW DUCT SPOOL PIECE (GREEN) PENETRATING EXTERIOR WALL SHALL BE THERMADUCT TO MATCH RISER.

28x30 SA

RECENTLY INSTALLED THERMADUCT SUPPLY RISER

12" MAX/8"MIN

CONNECT TO BOTTOM OF NEW SUPPLY RISER WITH THERMADUCT ELBOW PROVIDED BY COOPER-OATES.

CONTRACTOR TO CONFIRM EXACT ELEVATION OF ELBOW TO ENSURE DUCT PENETRATION IS COORDINATED WITH EXISTING STRUCTURAL ELEMENTS AND ALL OTHER EXISTING CONDITIONS.

LEVEL 2
17' - 0"

1

DUCT PENETRATION AT LEVEL 2

NOT TO SCALE