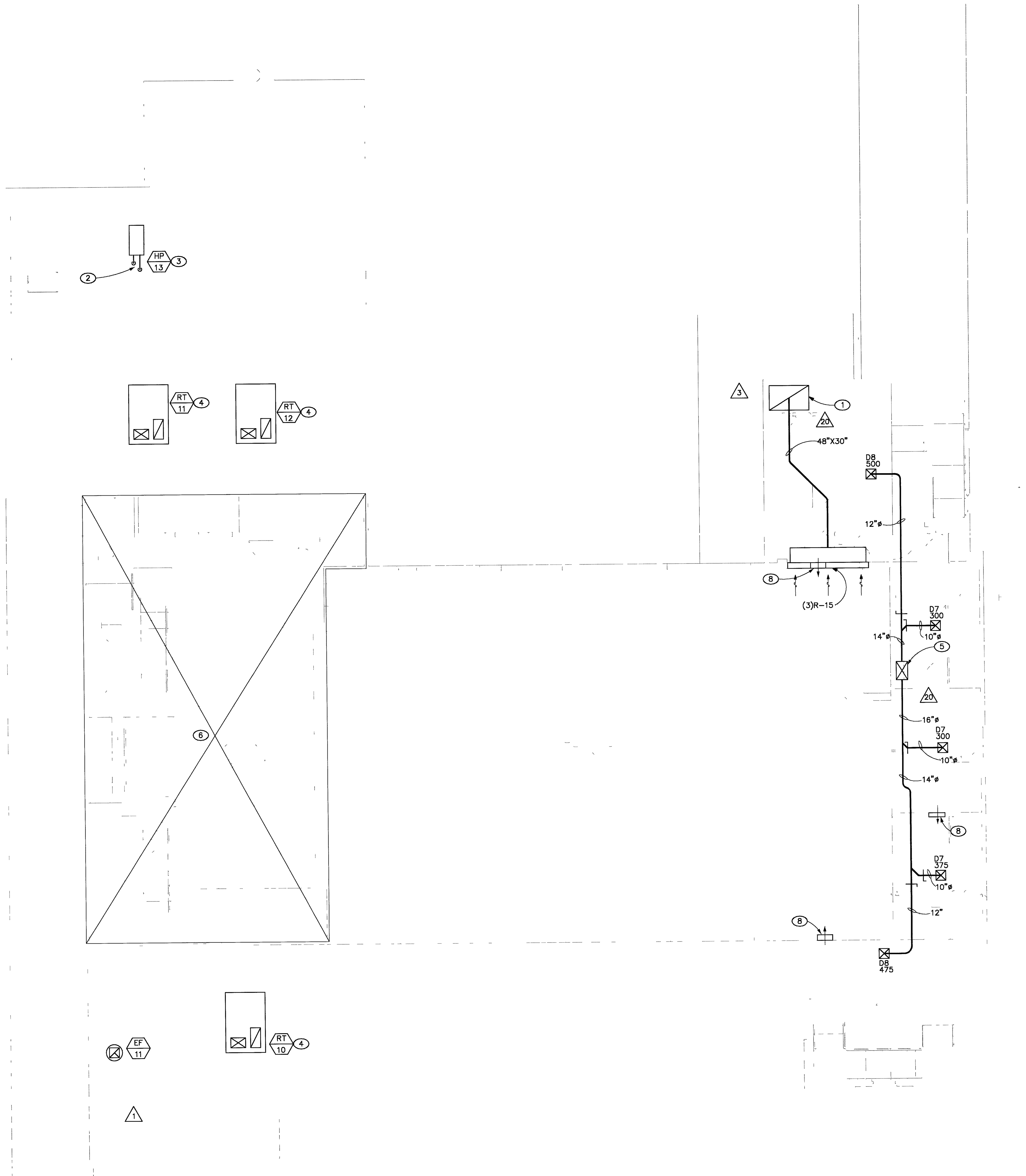

MECHANICAL PLAN BUILDING III LEVEL 2

SCALE: 3/16"=1'-0"

GENERAL NOTES

1. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT SITE TO DETERMINE THE EXTENT OF HVAC DEMOLITION WORK, TO OBSERVE THE EXISTING PHYSICAL CONDITIONS AFFECTING INSTALLATION OF NEW SYSTEMS AND TO UNDERSTAND THE SPACE LIMITATIONS IMPOSED ON THE PROPOSED NEW WORK.
2. ALL EXISTING EQUIPMENT/UNITS, DUCTWORK, PIPING, CONTROLS, ETC. SERVING THIS BUILDING SHALL BE REMOVED AND NOT REUSED.
3. PROVIDE A COMPLETE SYSTEM OF SUPPLY, RETURN AND EXHAUST DUCT DISTRIBUTION. DUCTWORK SHALL BE GALVANIZED STEEL, (NOT A FLEX DUCT INSTALLATION).
4. THE MECHANICAL CONTRACTOR SHALL VERIFY LOCATION OF ROOF MOUNTED EQUIPMENT WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO BEGINNING OF WORK. MECHANICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR APPROVAL SHOWING METHOD OF MOUNTING AND ATTACHMENT.
5. PRIOR TO BEGINNING WORK, THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATION AND ROUTING OF HVAC EQUIPMENT WITH OTHER TRADES.
6. THE MECHANICAL CONTRACTOR SHALL VERIFY LOCATION OF ROOF AND WALL PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO BEGINNING WORK. MECHANICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR APPROVAL SHOWING METHOD OF MOUNTING AND ATTACHMENT.
7. MECHANICAL CONTRACTOR SHALL COORDINATE AIR DEVICES WITH ARCHITECT PRIOR TO BEGINNING WORK. COORDINATE BORDER AND FRAME STYLE OF AIR DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO ORDERING.
8. VERIFY LOCATION OF THERMOSTATS WITH THE ARCHITECT PRIOR TO ROUGH–IN. THERMOSTATS SHALL BE MOUNTED IN ACCORDANCE WITH A.D.A. STANDARDS. VERIFY TYPE OF LOCKING COVER WITH ARCHITECT. THERMOSTATS INSTALLED IN PUBLIC AREAS SHALL HAVE CLEAR PLASTIC LOCKING COVERS. PROVIDE INSULATED SUBBASE FOR THERMOSTATS MOUNTED ON BUILDING EXTERIOR WALL.
9. DUE TO SPACE CONSTRAINTS, MECHANICAL CONTRACTOR SHALL CLOSELY COORDINATE ROUTING OF DUCTWORK AND PIPING WITH STRUCTURAL FRAMING PLANS AND OTHER TRADES. CHANGES REQUIRED DUE TO CONTRACTOR'S FAILURE TO COORDINATE SPACE AND ROUTING REQUIREMENTS SHELL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
10. DUCT AND PLENUM SIZES SHOWN ARE THE NET DIMENSION INSIDE THE LINER.
11. SEE PLUMBING PLANS FOR SIZES AND ROUTING OF CONDENSATE DRAINS.
12. ACCESS DOORS / PANELS ARE REQUIRED FOR EQUIPMENT, VALVES, DAMPERS, ETC. INSTALLED ABOVE INACCESSIBLE CEILINGS. COORDINATE EXACT LOCATION OF ACCESS DOORS / PANELS WITH ARCHITECT PRIOR TO INSTALLATION. MAINTAIN REQUIRED CLEARANCES FOR DOORS / PANELS.
13. SEE ARCHITECTURAL DRAWINGS FOR FIRESTOPING DETAILS / REQUIREMENTS.
14. SEE HVAC SPECIFICATIONS FOR VIBRATION ISOLATION / SEISMIC RESTRAINT REQUIREMENTS.
15. NO SERVICEABLE EQUIPMENT SHALL BE INSTALLED OVER 18" ABOVE CEILINGS.
16. SEE BOOK SPECIFICATION SECTION 15050 REGARDING THE REQUIREMENT FOR COORDINATION DRAWINGS. OBTAIN APPROVAL FOR SUBMITTED COORDINATION DRAWINGS PRIOR TO PURCHASE AND/OR FABRICATION OF DUCT SYSTEMS.
17. (2) ANY DUCT SYSTEM PENETRATING FIRE WALLS OR FIRE BARRIERS SHALL HAVE FIRE DAMPERS OR BE OF 26 GAUGE CONSTRUCTION MINIMUM. IF THE DUCT SYSTEM IS TO BE 26 GAUGE, THE ENTIRE DUCT SYSTEM, NOT JUST THE PENETRATING DUCTS SHALL BE 26 GAUGE MINIMUM. (PROVIDE HEAVIER DUCT GAUGE WHEN REQUIRED BY SMACNA DUCT CONSTRUCTION STANDARDS).

SHEET NOTES

(1) 30"x48" R.A. DUCT DOWN.

(2) CUSTOM PIPE BOX EQUAL TO CUSTOM CURB INC. WITH LINED COVER AND BOX. REFRIGERANT PIPING, CONTROL CONDUIT AND POWER CONDUIT SHALL HORIZONTALLY ENTER/EXIT BOX. SUBMIT SHOP DRAWING OF PROPOSED INSTALLATION FOR APPROVAL.

(3) MOUNT ON LOW ROOF ON CURBED EQUIPMENT PLATFORM EQUAL TO CUSTOM CURB, INC. SECURE EQUIPMENT TO PLATFORM. SUBMIT SHOP DRAWING OF PROPOSED INSTALLATION FOR APPROVAL.

(4) UNIT MOUNTED ON ROOF CURB ON EXISTING LOW ROOF. PROVIDE FLEX CONNECTION ON SUPPLY AND RETURN DUCT CONNECTIONS TO UNIT.

(5) 16"x20" SUPPLY AIR DUCT DOWN.

(6) SEE ARCHITECTURAL DRAWINGS. THIS AREA TO BE SEALED OFF. NO HVAC WORK INCLUDED.

(7) RG–1 BOTH SIDES OF WALL WITH TOP APPROXIMATELY 2" BELOW CEILING.

(3) (8) RG–2 BOTH SIDES OF WALL WITH TOP APPROXIMATELY 2" BELOW CEILING.

RECORD DRAWINGS
Date: 01/25/06 This record drawing has been prepared in part, based upon information furnished by others. While this information is believed to be reliable, Harris Consulting Engineers LLC cannot assure it's accuracy, and is not responsible for the accuracy of this record drawing or for any errors or omissions which may have been incorporated into it as a result. Those relying on this record drawing are advised to obtain independent verification of it's accuracy before applying it for any purpose.

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REVISIONS

1	5–21–04 PLAN CHECK
2	6–23–04 PLAN CHECK
3	7–14–04 PLAN CHECK
20	01–25–06 RECORD DRAWING

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CITY OF LAS VEGAS
DOWNTOWN SENIOR SERVICES CENTER
NEIGHBORHOOD SERVICES

RECORD SET

STAMP

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FILE	M204.DWG
DATE	September 8, 2004
SCALE	3/16"=1'-0"
BID NO	04.1534L01
CLV DWG NO	521-281
	MECHANICAL PLAN LEVEL 2
SHT NO	M2.04

BUILDING III

95956