

March 07, 2017

BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA

Y17-736-MM / ADDENDUM # 1
ORANGE COUNTY CONVENTION CENTER
NORTH/SOUTH BUILDING DEMARC, MDR AND MDF ROOMS HVAC UPGRADES

New Bid Opening Date: March 23, 2017

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to and shall take precedence over the original documents. Underlining indicates additions, deletions are indicated by ~~strikethrough~~.

- A. The Bid Opening Date is changed from ~~March 14, 2017~~ to **March 23, 2017 at 2:00 P.M.**
- B. The following are answers to questions/responses/clarifications:
1. **Comment:** Provide a mounting detail for the new CRAC units. **Response:** Detail #4 added to attached revised drawing sheet M-201.
 2. **Comment:** Provide new equipment weights. **Response:** New CRAC unit weights added to Computer Room Unit Schedule on attached revise drawing sheet M-201.
 3. **Comment:** Provide a secondary drain for the new CRAC units. **Response:** Primary and secondary drains with floating switches have been included per Note 4 of the CRAC Computer Room Unit Schedule on attached revised drawing sheet M-201.
 4. **Comment:** Provide location of the main electrical room. **Response:** Refer to attached revise drawing sheet ED-101 with added Main Electrical Room Plans 2/ED-101 and 3/ED-101.
- C. The following attachment is incorporated to the body of this Addendum and made part of this IFB: Revised sheets M-201 & ED-101.
- D. Changes and revisions have been made to the following drawings:
1. M-201: Added Detail # 4.
 2. M-201: Added CRAC units weight to Schedule.
 3. M-201: Revised Note 4 to include drains for CRAC units.
 4. ED-101: Added Main Electrical Room plans.

- E. All other terms and conditions of the IFB remain the same.
- F. The Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of the proposal.

Receipt acknowledged by:

Authorized Signature

Date Signed

Title

Name of Firm

CONSULTANT:

CLIENT:



PROJECT NAME:

Orange County Convention Center North South Building Demarc HVAC Upgrade

9400 Universal Blvd, Orlando, FL 32819
100046579

AIR DISTRIBUTION SCHEDULE					
MARK	CFM	NECK SIZE	FACE SIZE	DESCRIPTION	ADDITIONAL ACCESSORIES
E	SEE PLANS FOR CFM & SIZE.			BASIS OF DESIGN: TITUS 350ZFL COLOR: WHITE MATERIAL: ALUMINUM OPPOSED BLADE DAMPERS: YES SINGLE ZERO DEGREE DEFLECTION 3/4" SPACING	

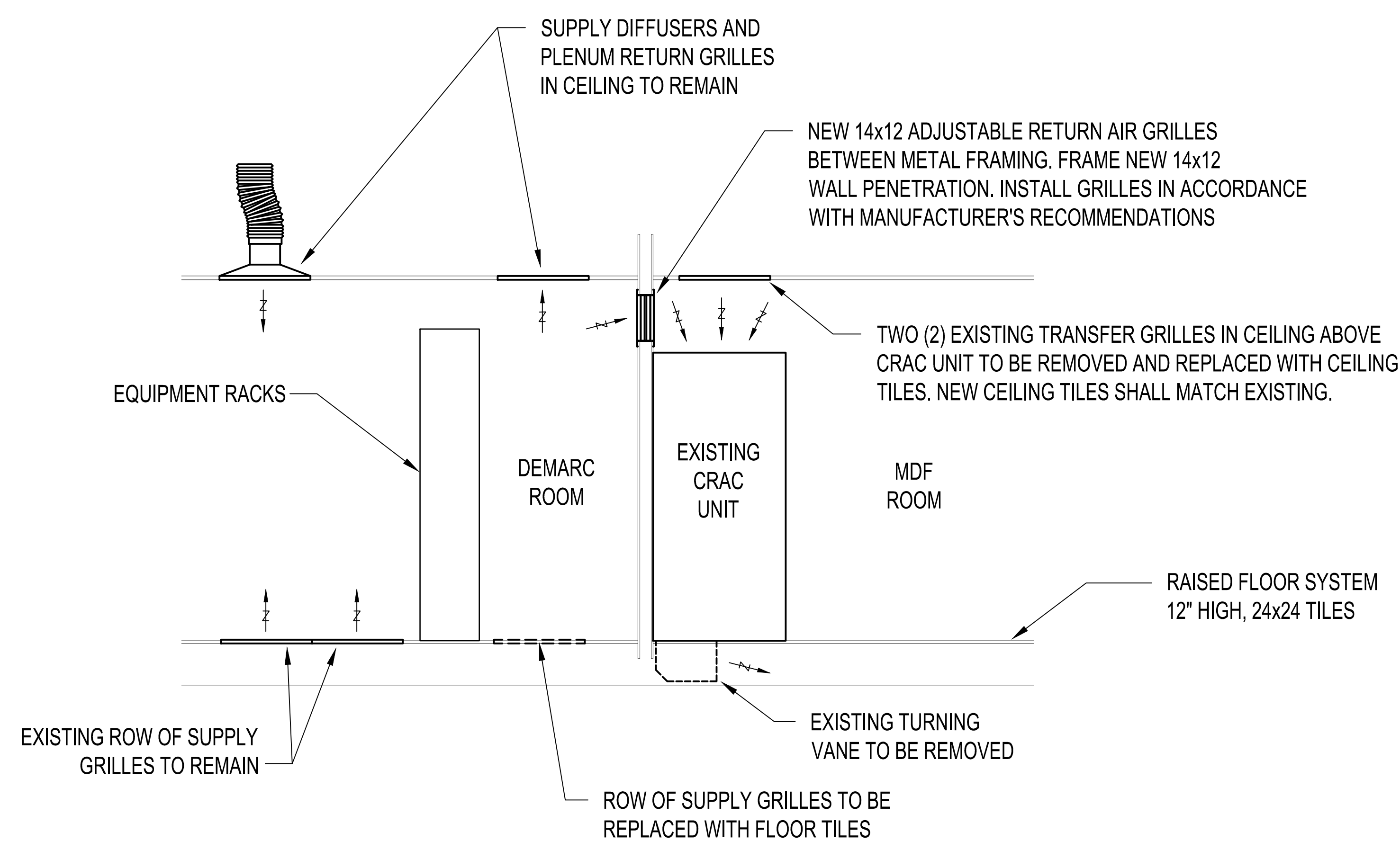
NOTES:

- AIR DISTRIBUTION DEVICES LOCATED WITHIN ACOUSTICAL TILE CEILINGS SHALL BE PROVIDED WITH BORDER TYPE 3 FOR LAY-IN MOUNTING. AIR DISTRIBUTION DEVICES LOCATED WITHIN GYPSUM BOARD CEILINGS OR WALLS SHALL BE PROVIDED WITH BORDER TYPE 1 FOR SURFACE MOUNTING.
- AIR DISTRIBUTION DEVICES LOCATED IN SMALL ROOMS WHERE FULL 24"x24" GRID ARE NOT AVAILABLE SHALL BE PROVIDED WITH SURFACE MOUNTING BORDERS IN LIEU OF LAY-IN. SECURE EACH DEVICE TO CEILING GRID WITH FIELD-FABRICATED SUPPORTS.

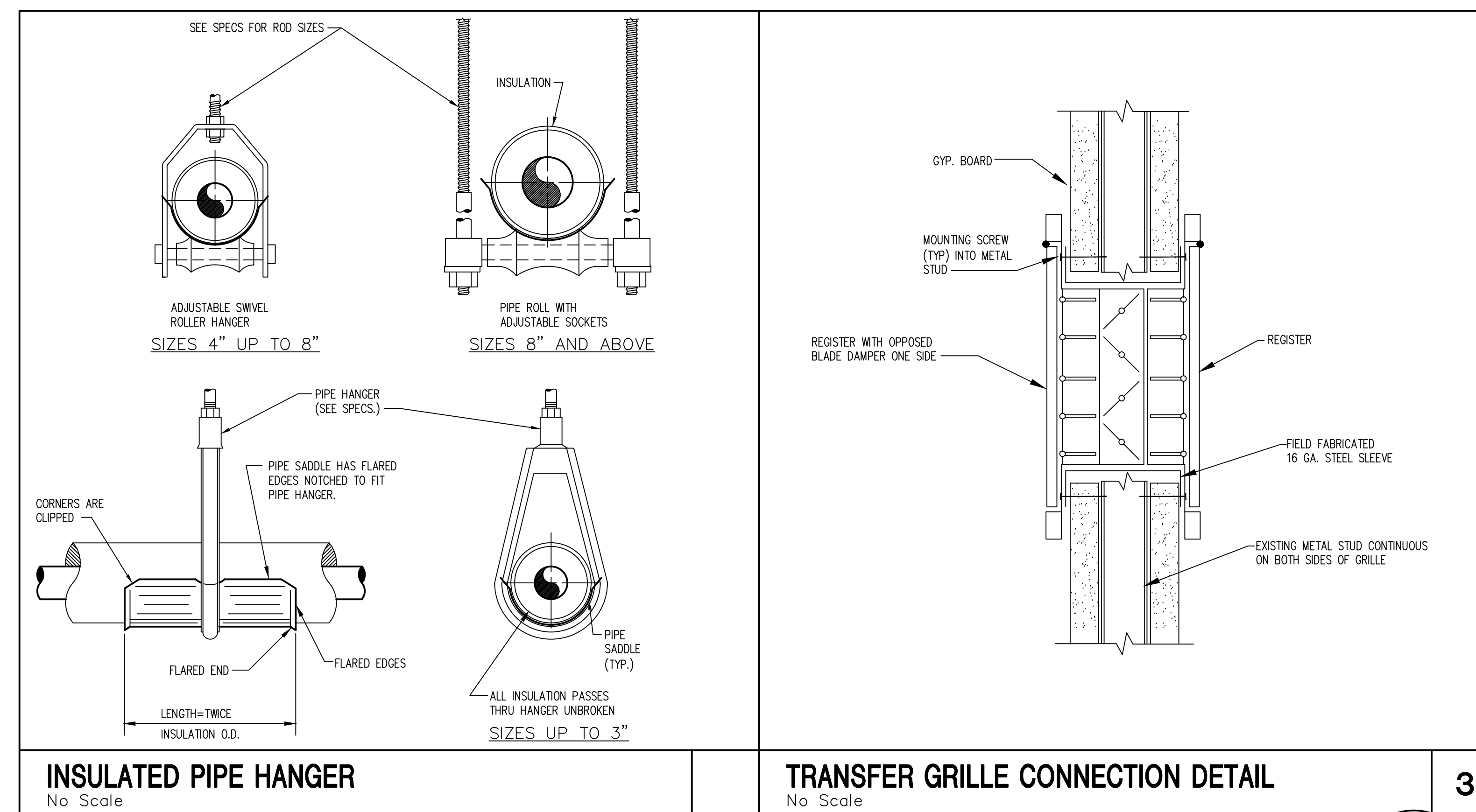
COMPUTER ROOM UNIT SCHEDULE																							
MARK	MODEL NO.	FLOW TYPE	TOT. COOL CAP (MBH)	SENS. COOL GAP (MBH)	LAT DB(F)	LAT WB(F)	CHW EWT(F)	CHW LWT(F)	GPM	PD FT H2O	ROWS	FINS /INCH	FACE VEL FPM	CFM	ESP IN. W.G.	FAN HP	FAN QTY	VOLTS/PH/Hz	FLA	WSA	OPD	WEIGHT	ELECTRIC REHEAT
CRAC-EX	DS077	DOWN	276.4	208.5	62.5	58.0	45	51.3	53.0	29	3	12	426	10,500	0.2	10	2	460/3/60	55.4	64.5	80	-	3-STAGE, 15KW
CRAC-1	CW084	DOWN	344	263	53.4	51.7	45	54	80	28	6	11	456	11,400	0.2	4.15	2	460/3/60	47.1	58.9	60	1420	3-STAGE, 30KW
CRAC-2	PW029	DOWN	93.1	79.2	59.5	55.8	45	55.3	20	14	4	12	488	4,800	0.2	4.15	1	460/3/60	18.4	23.0	20	600	2-STAGE, 15KW

NOTES:

- MANUFACTURER: LIEBERT
- CRAC-EX IS EXISTING TO REMAIN.
- COOLING CAPACITY BASED ON ENTERING AIR TEMPERATURE OF 75F AND 50% RH.
- PROVIDE EC PLUG FANS, 12" FLOOR STAND, MERV 8 FILTERS, FACTORY MOUNTED CONDENSATE PUMP WITH INTEGRAL PRIMARY & SECONDARY FLOAT SWITCHES, SMOKE SENSOR, FACTORY INSTALLED LOCKING DISCONNECT SWITCH AND PERIMETER WATER DETECTION SYSTEM.
- PROVIDE UNIT CONTROLLER COMPATIBLE WITH EXISTING JOHNSON CONTROLS METASYS BAS SYSTEM. BASIS OF DESIGN: LIEBERT iCOM & IS-UNITY-DP. CONTRACTOR SHALL CONNECT THE CRAC UNIT CONTROLLERS TO THE EXISTING JCI METASYS SYSTEM.



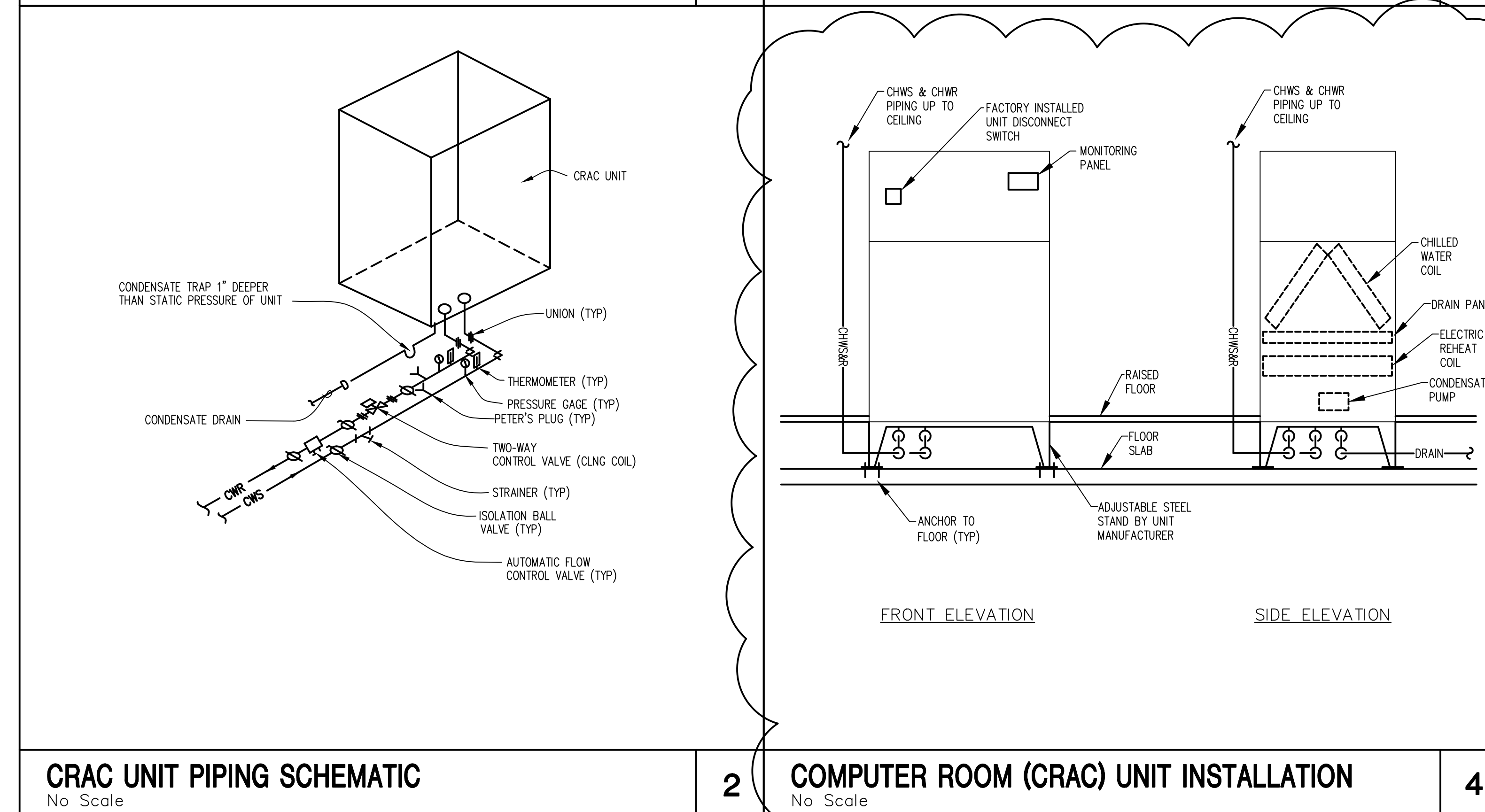
A SECTION
SCALE: 1/2" = 1'-0"



INSULATED PIPE HANGER
No Scale

TRANSFER GRILLE CONNECTION DETAIL
No Scale

3



CRAC UNIT PIPING SCHEMATIC
No Scale

COMPUTER ROOM (CRAC) UNIT INSTALLATION
No Scale

4

No.	Date	Description
1	02-08-2017	PERMIT REVIEW REVISIONS

ISSUE LOG
PROFESSIONAL SEALS:

SHEET TITLE:

HVAC SECTIONS AND SCHEDULES

SHEET INFORMATION:	
JOB No. 100046579	Date Issued: JANUARY 18, 2017
Designed By: KAR	Sheet Number:
Checked By: DLH	M-201
QC Review: T,JF	
Phase: 100%	

CONSULTANT:

CLIENT:



PROJECT NAME:

Orange County Convention Center North South Building Demarc HVAC Upgrade

9400 Universal Blvd, Orlando, FL 32819
100046579

No.	Date	Description
1	02/23/17	ADDENDUM #1

ISSUE LOG

PROFESSIONAL SEALS:

ANGEL E. LORENZO, P.E.
FLORIDA REG. NO. 31137

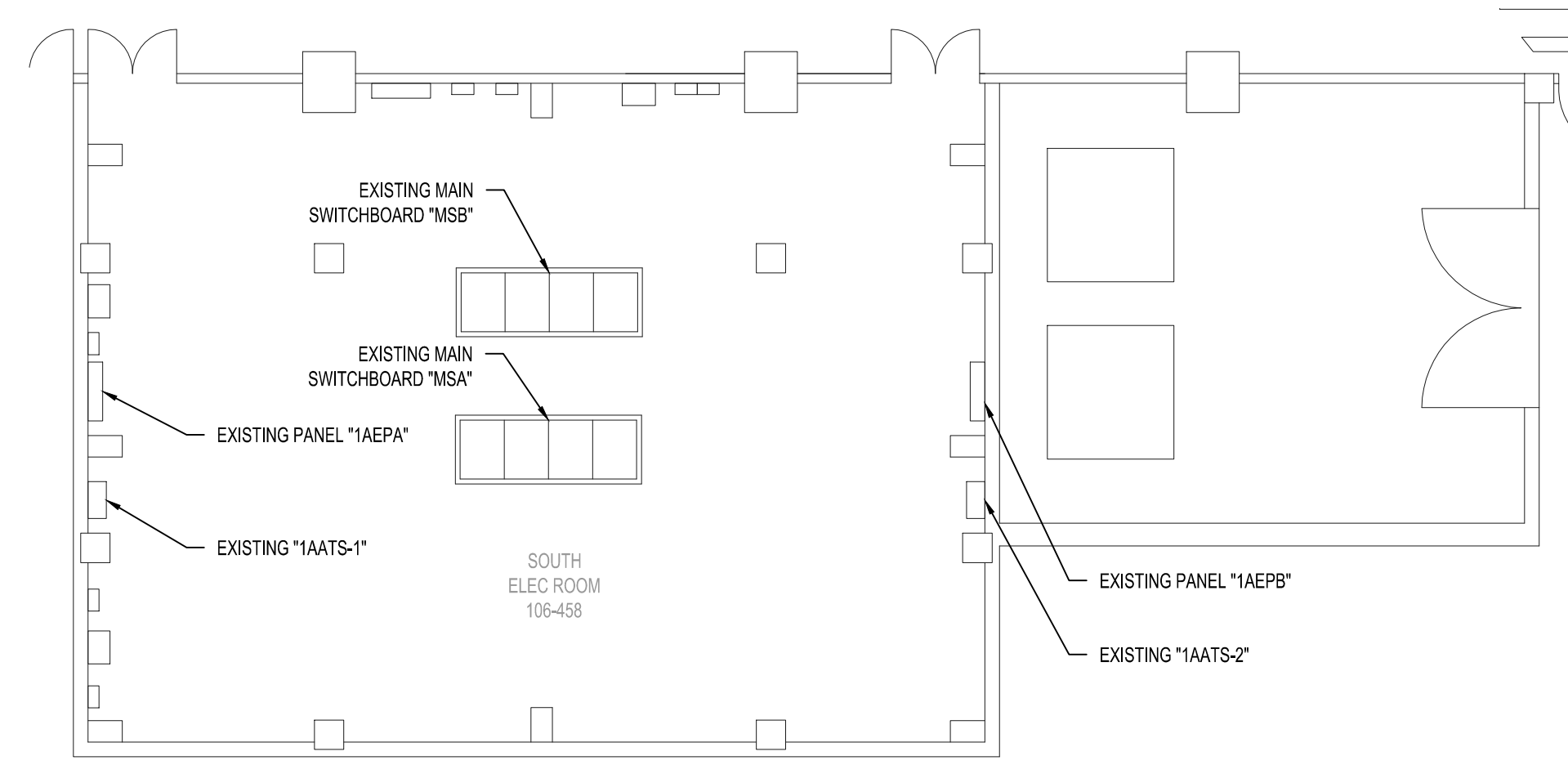
SHEET TITLE:

ELECTRICAL DEMOLITION PLAN

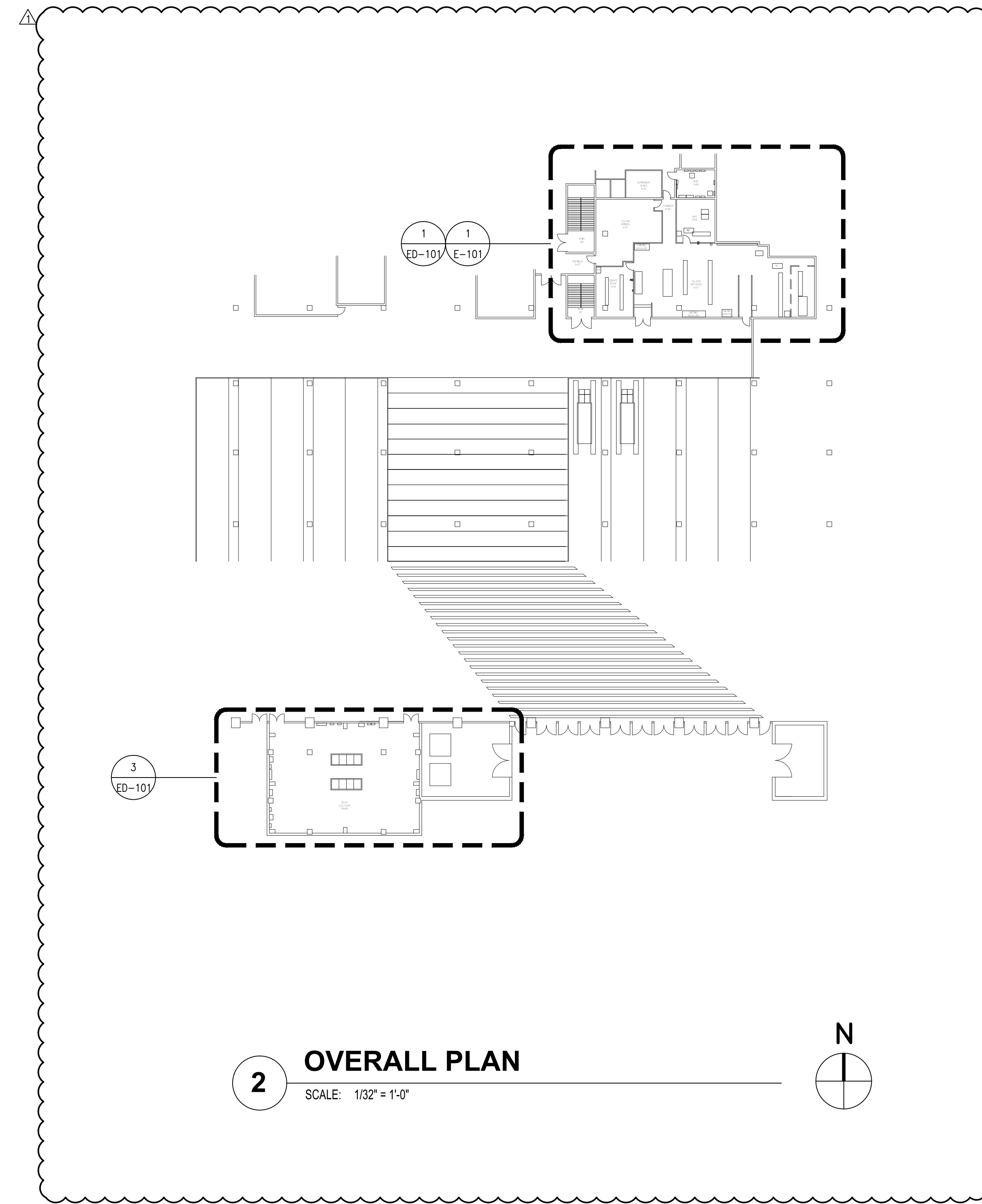
SHEET INFORMATION:	
JOB No. 100046579	Date Issued: JANUARY 18, 2017
Designed By: JLA	Sheet Number:
Checked By: JP	ED-101
QC Review: AEL	
Phase: 100%	

KEY NOTES:

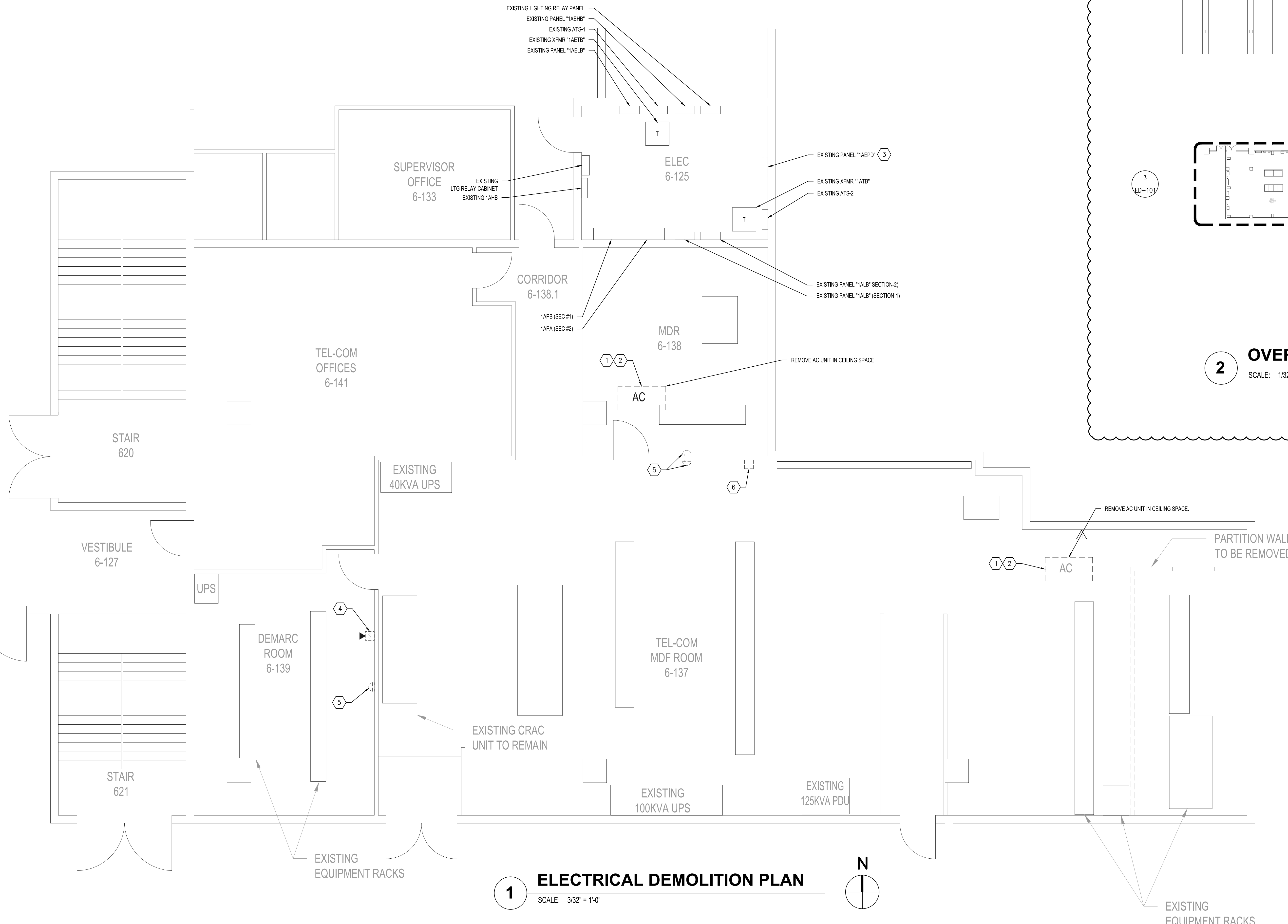
- 1 REMOVE EXISTING CONDUIT AND WIRES FOR AC UNITS BACK TO EXISTING PANEL "IAELB".
- 2 LABEL "SPARE" BREAKERS ASSOCIATED WITH REMOVED AC UNITS.
- 3 REMOVE EXISTING PANEL "IAEPD" INCLUDING ABANDONED WIRING & CONDUIT AND RETURN TO OWNER. TRANSFORMER FOR EXISTING PANEL "IAEPD" HAS BEEN PREVIOUSLY REMOVED.
- 4 REMOVE EXISTING WALL MOUNTED FIRE ALARM STROBE WITH SPEAKER DEVICE AND REPLACE WITH NEW CEILING MOUNTED FIRE ALARM STROBE WITH SPEAKER AS SHOWN ON SHEET E-101.
- 5 EXISTING FIRE ALARM GONG TO BE RELOCATED AS SHOWN ON SHEET E-101.
- 6 REMOVE EXISTING FIRE ALARM STROBE LIGHT AND REPLACE WITH NEW CEILING MOUNTED FIRE ALARM STROBE LIGHT.



3 ENLARGE SOUTH ELECTRICAL ROOM
SCALE: 3/32" = 1'-0"



2 OVERALL PLAN
SCALE: 1/32" = 1'-0"



1 ELECTRICAL DEMOLITION PLAN
SCALE: 3/32" = 1'-0"

KEY PLAN
PROJECT LOCATION: SOUTH CONCOURSE
SOUTHEAST CORNER, EXHIBIT LEVEL