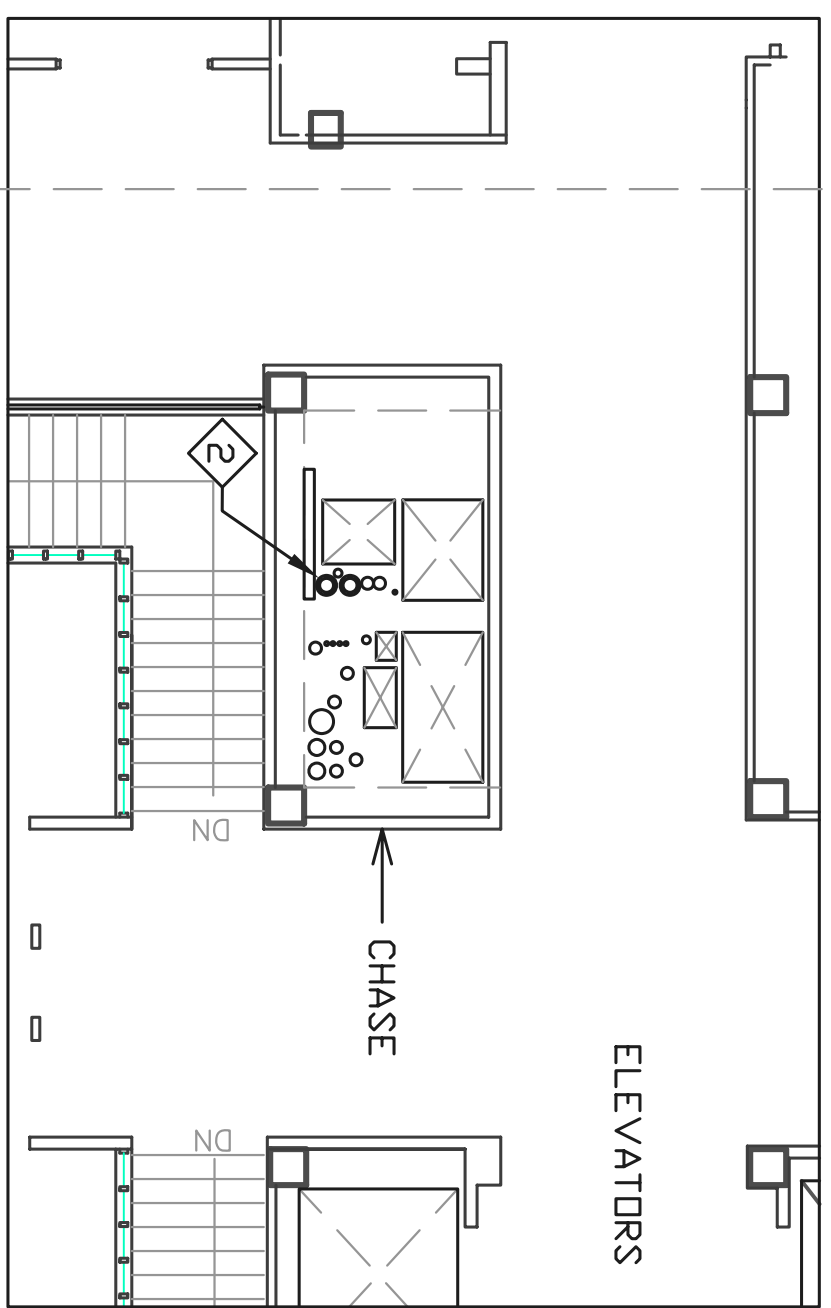
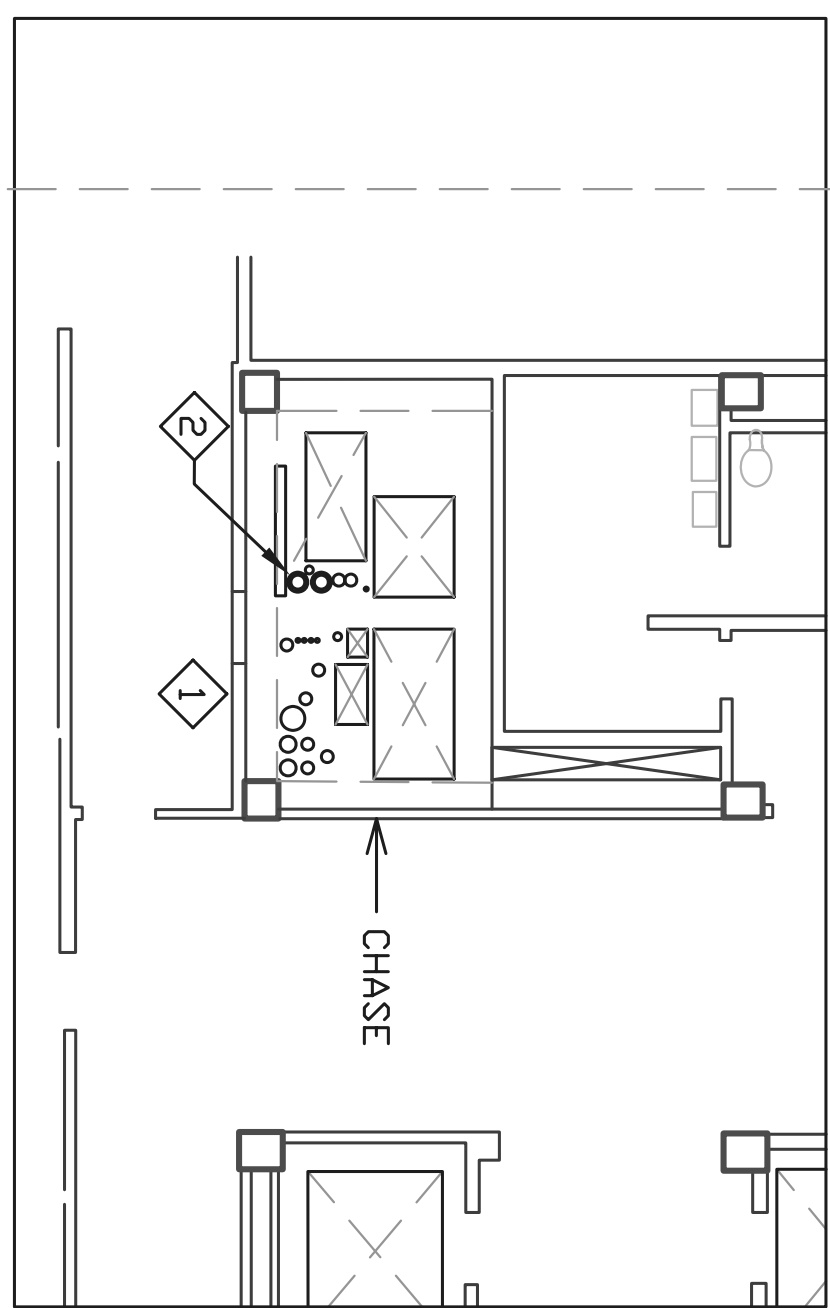


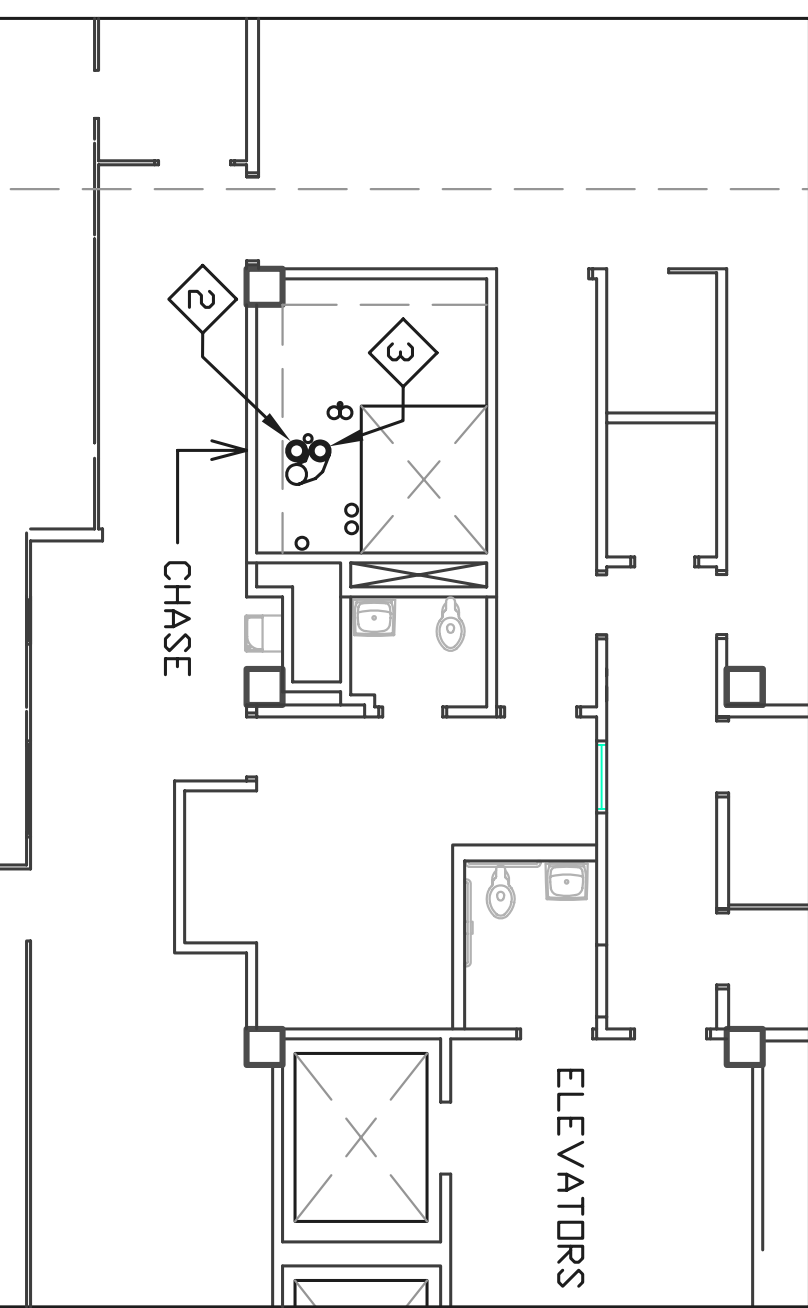
GROUND FLOOR CHASE 3
1/4" = 1'-0"



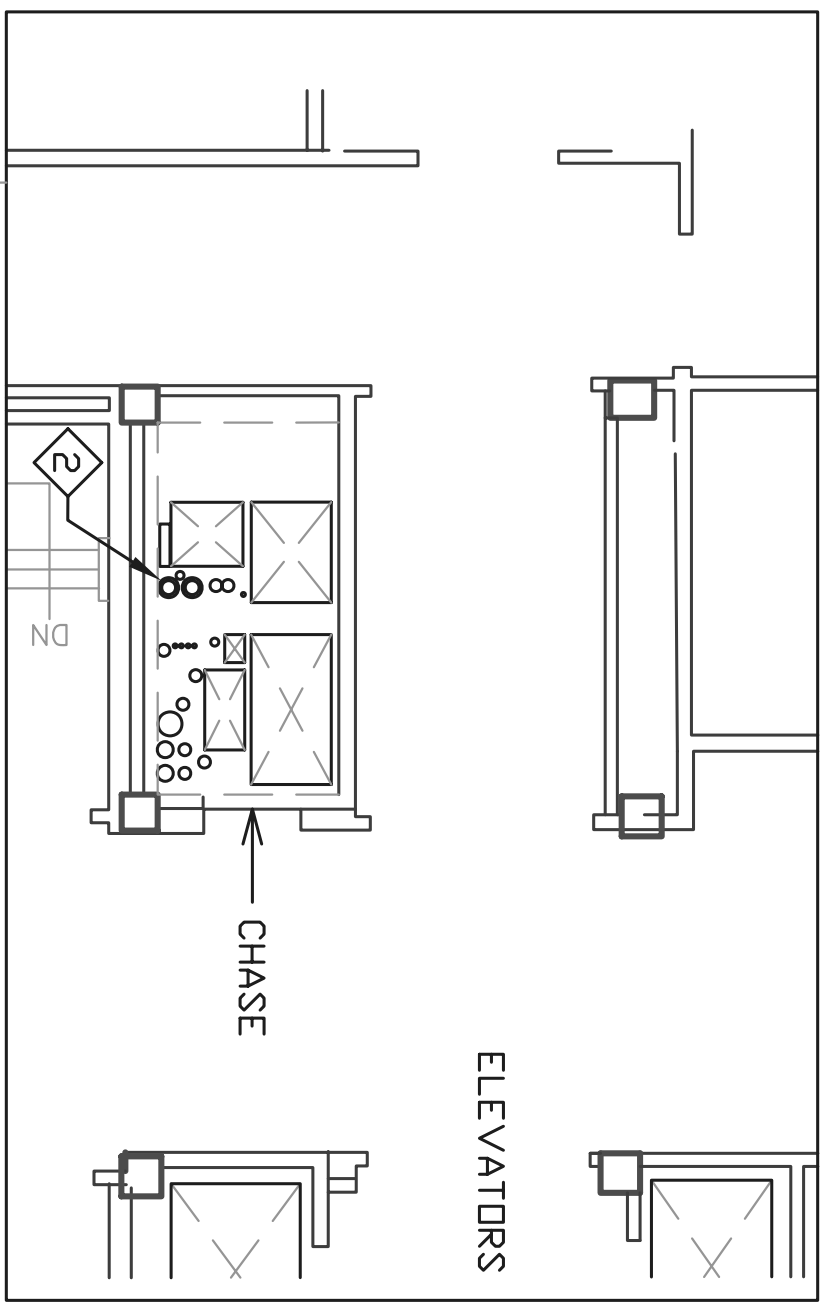
2ND FLOOR CHASE 5
1/4" = 1'-0"



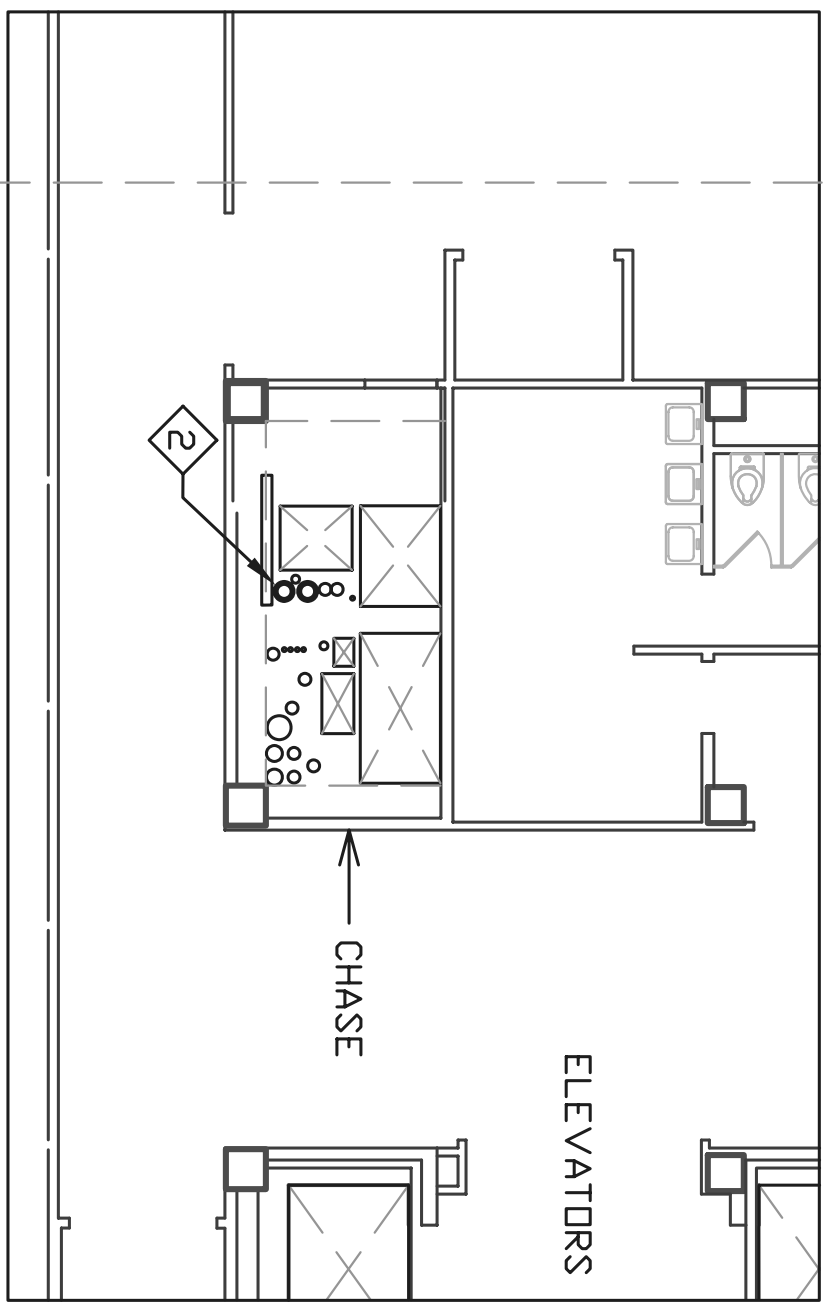
4TH FLOOR CHASE 7
1/4" = 1'-0"



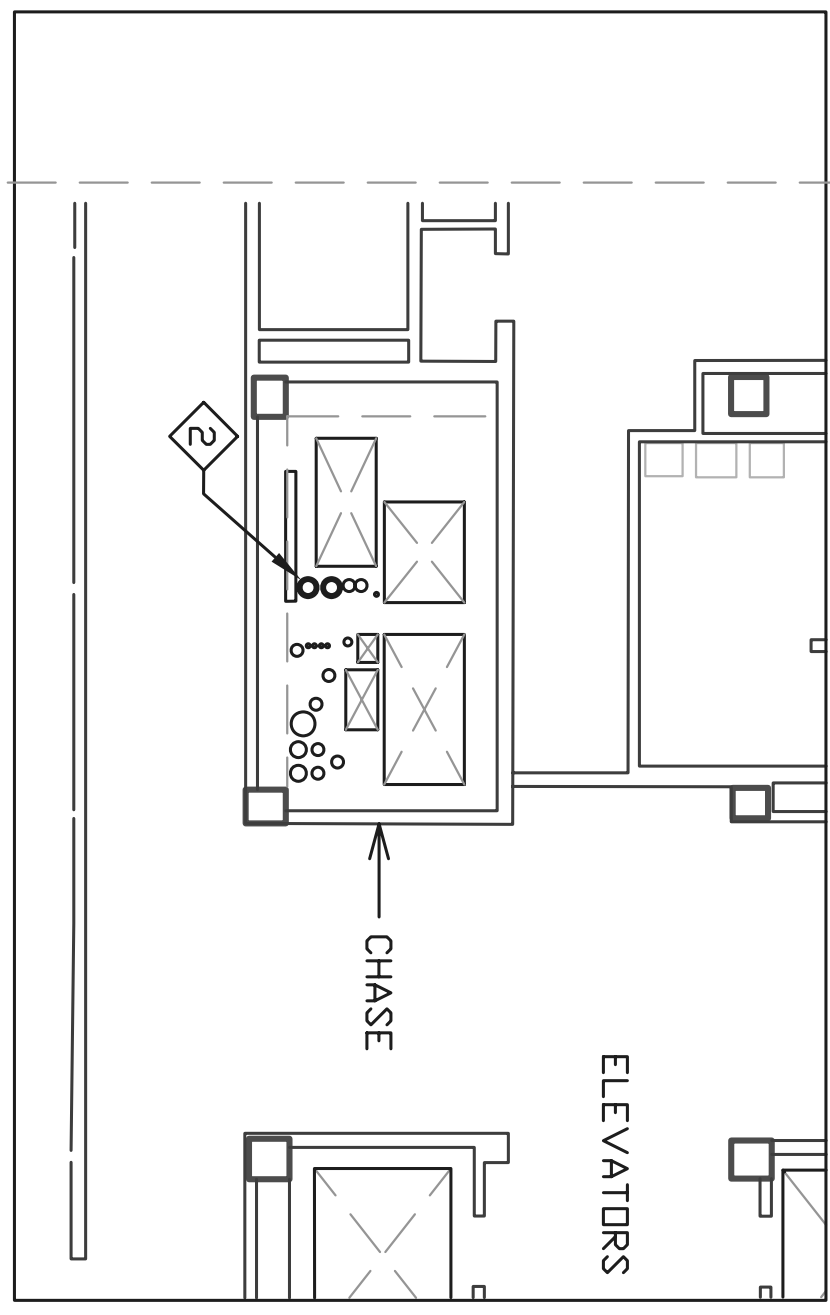
5TH FLOOR CHASE 9
1/4" = 1'-0"



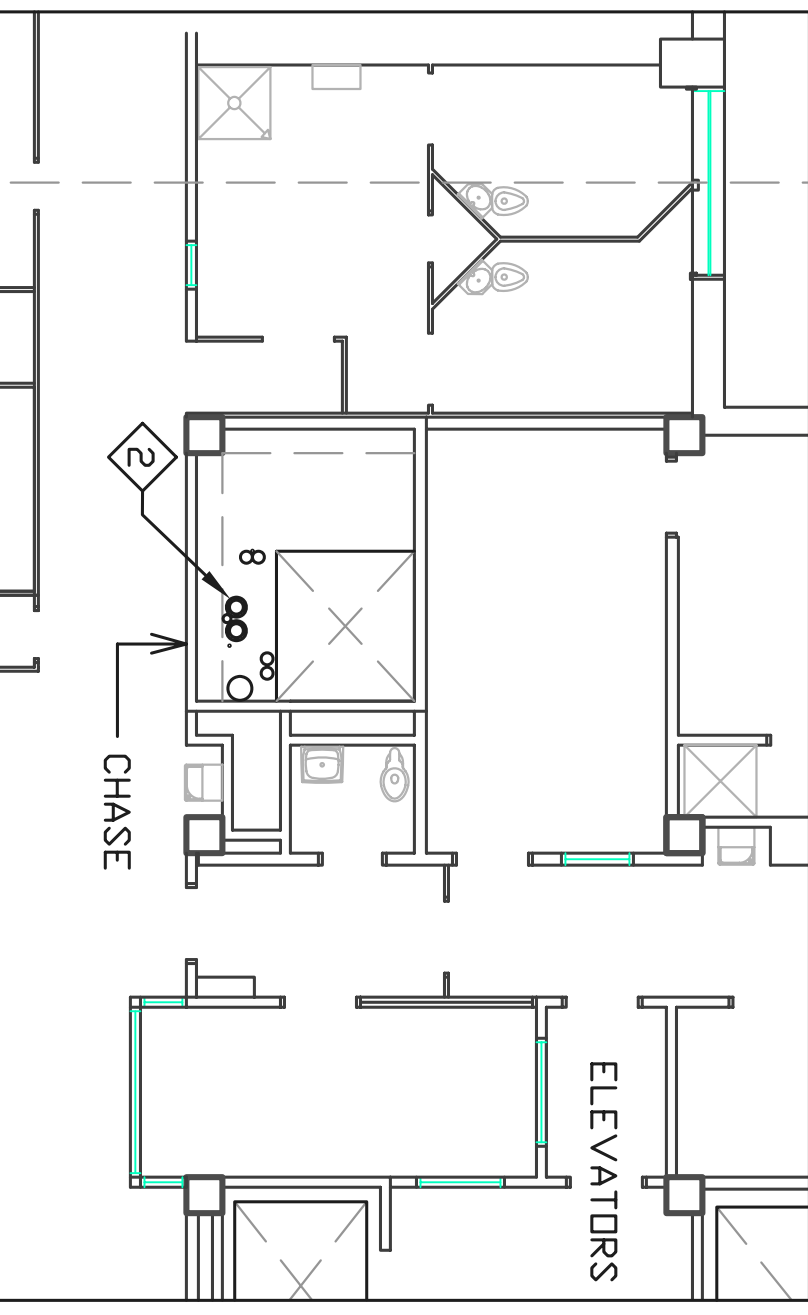
1ST FLOOR CHASE 4
1/4" = 1'-0"



3RD FLOOR CHASE 6
1/4" = 1'-0"



5TH FLOOR CHASE 8
1/4" = 1'-0"



7TH FLOOR CHASE 10
1/4" = 1'-0"

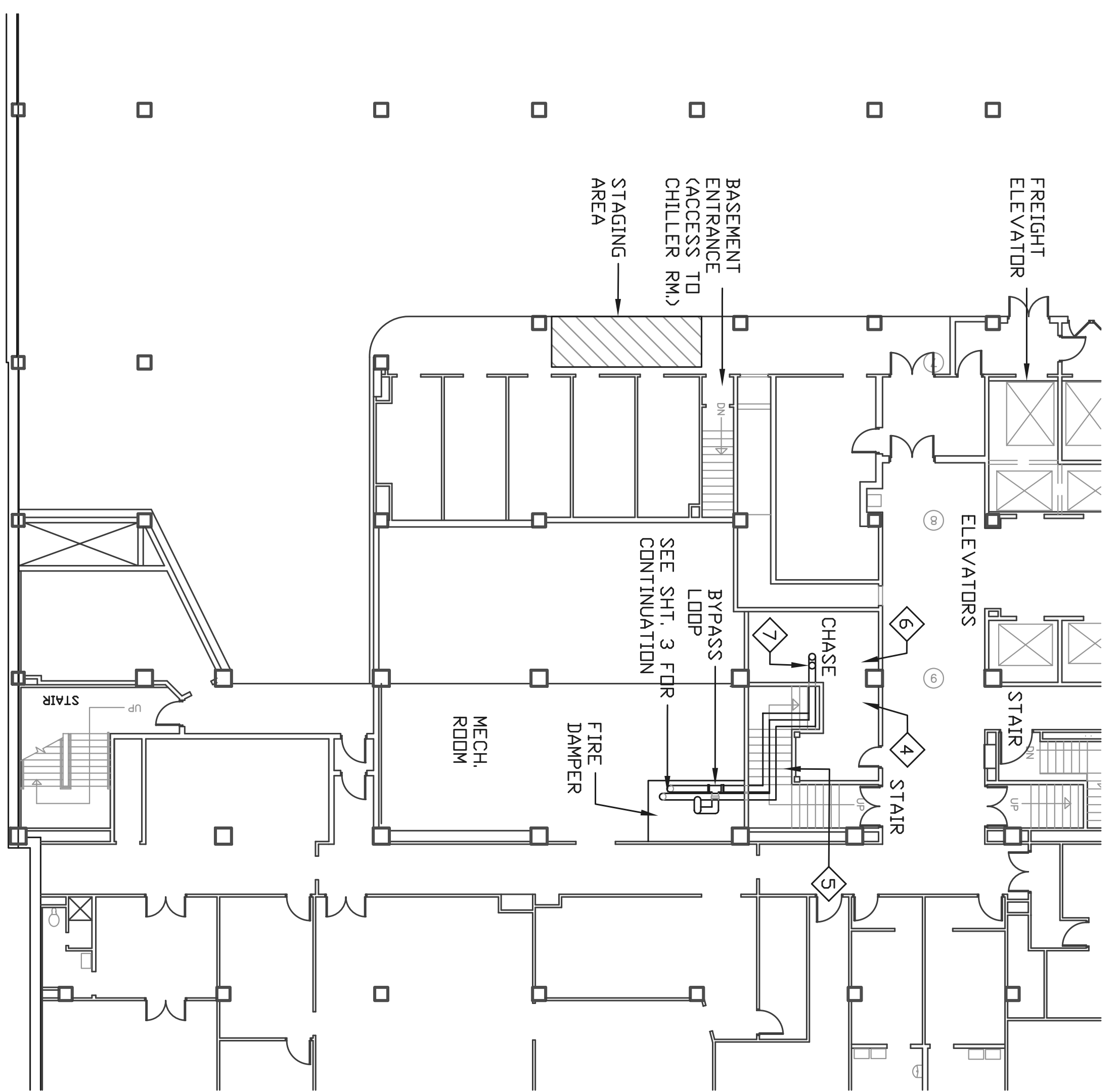
GENERAL NOTES:

- PLANS SHOW LOCATION OF EXIST. CONDENSER WATER PIPING. CONTRACTOR SHALL REMOVE ALL EXISTING CONDENSER WATER PIPES AND REPLACE WITH NEW PIPING. SEE ALSO NOTES REGARDING PHASE 1/1I WORK.
- ACCESS TO RISER CHASE:
 - GARAGE
 - 4TH FLOOR
 - PENTHOUSE (8TH FLOOR)
- IF REQUIRED, AND REQUESTED BY CONTRACTOR, ACCESS FROM THE 5TH FLOOR MAY BE CREATED BY OWNER.
- THE CONTRACTOR SHALL PROVIDE ALL MATERIALS FOR TEMPORARY SCAFFOLDS AND LANDINGS IN THE CHASE, AS REQUIRED TO PERFORM WORK.
- ALL RIGGING SECURED TO BUILDING STRUCTURE MUST HAVE PRIOR APPROVAL OF OWNER.
- CHASE PLANS SHOW APPROXIMATE LOCATION AND SIZE OF PIPE AND DUCT WITHIN CHASE.
- SEE SPECIFIC REQUIREMENTS IN SPECIFICATION REGARDING GRINDING, WELDING (METALIC), WELDING (SOLVENT), CUTTING, ETC. WITHIN THE EXISTING BUILDING (GARAGE, CHASE, PENTHOUSE, OCCUPIED SPACES, ETC.). UNDER NO CIRCUMSTANCES SHALL DUST, DIRT, FUMES, ETC. BE A NUISANCE TO BUILDING OCCUPANTS. CONTRACTOR TO PROVIDE VENTILATED ENCLOSURES, ETC. AS REQUIRED TO PERFORM WORK.

KEYED NOTES:

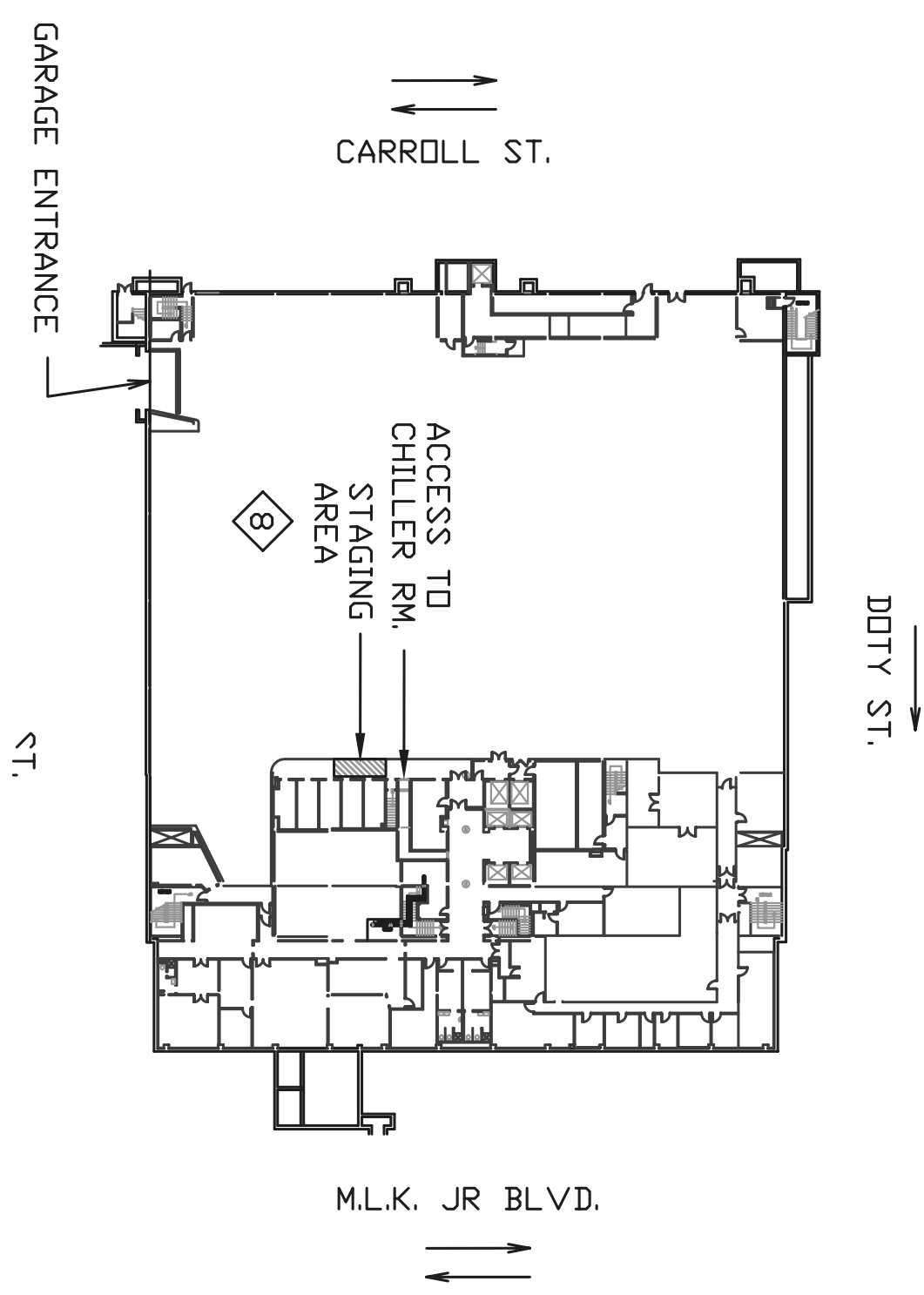
- 1 EXISTING 36" x 36" (APPROX.) ACCESS PANEL TO CHASE IN WALL.
- 2 10" CONDENSER WATER SUPPLY/RETURN PIPING.
- 3 CONDENSER WATER PIPES OFFSET AT 6TH FLOOR.
- 4 CONTRACTOR ACCESS TO BOTTOM OF CHASE IS AT THE GARAGE FLOOR LEVEL.
- 5 10" CONDENSER WATER SUPPLY/RETURN AT FLOOR LEVEL BELOW STAIR.
- 6 SEE PARTIAL FLOOR/CHASE DETAIL PLANS, THIS SHEET.
- 7 PHASE I WORK INCLUDES REPLACEMENT OF PIPING UP TO, AND INCLUDING, 90° ELBOWS AT BOTTOM OF CHASE.
- 8 CONTRACTOR VEHICLES WILL BE ALLOWED UNLOAD MATERIALS/EQUIP. IN GARAGE ONLY. CONTRACTOR PARKING WILL BE OFF SITE.

NO SCALE



SHEET INDEX

- 1- MAP, PARTIAL GARAGE FLOOR PLAN, MISC. FLOOR PLANS, NOTES
- 2- PENTHOUSE FLOOR PLANS, NOTES
- 3- BASEMENT FLOOR PLAN, ISOMETRIC PLANS, CHASE CROSS SECTION, NOTES

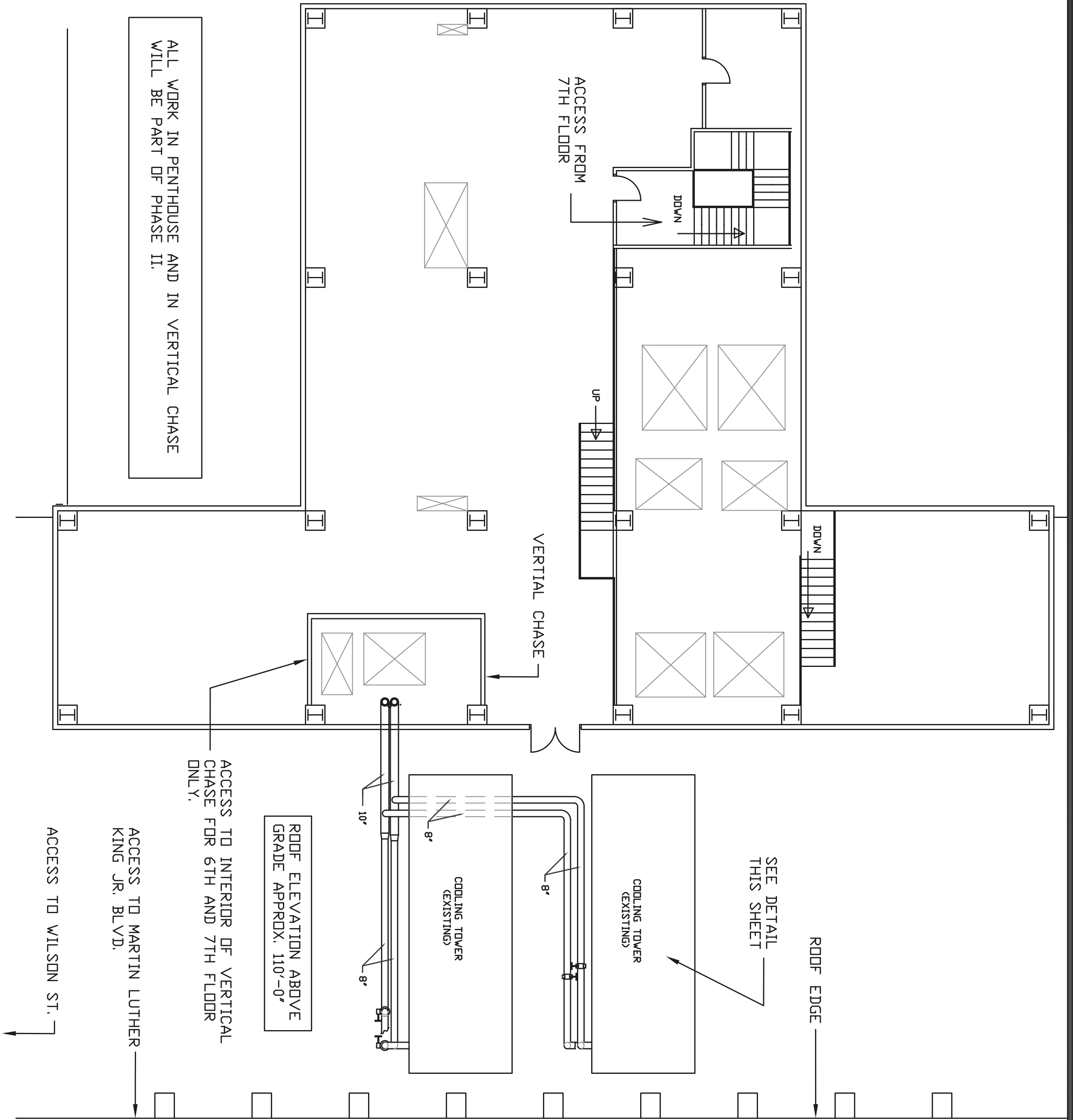


DEPARTMENT OF PUBLIC WORKS
DANE COUNTY WISCONSIN

Design By: SCR	Drawn By: JRL	Approved By: RJN	Revisions
Bid No: 311001	Date: 2/9/2011	Scale: AS NOTED	

CHILLER PIPING RETROFIT
CITY-COUNTY BUILDING
210 MLK JR BLVD.
MADISON WISCONSIN

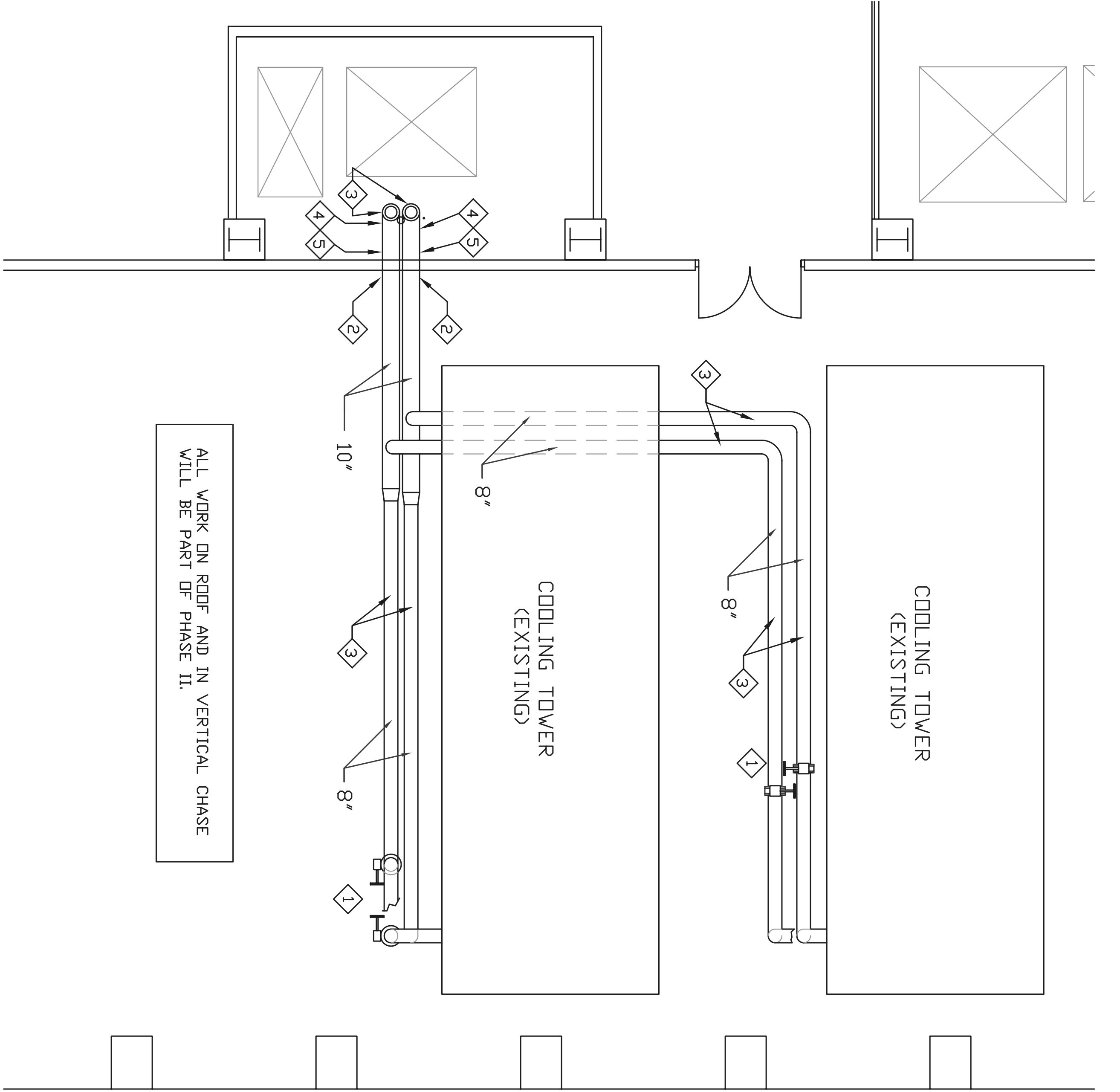
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EAST PENTHOUSE & ROOF 1
1/8" = 1'-0"



- GENERAL NOTES:**
- PLANS SHOW LOCATION OF EXIST. CONDENSER WATER PIPING. CONTRACTOR SHALL REMOVE ALL EXISTING CONDENSER WATER PIPES AND REPLACE WITH NEW PIPING. SEE ALSO NOTES REGARDING PHASE I/II WORK.
 - ALL RIGGING SECURED TO BUILDING STRUCTURE MUST HAVE PRIOR APPROVAL OF OWNER.
 - CHASE PLANS SHOW APPROXIMATE LOCATION AND SIZE OF PIPE AND DUCT WITHIN CHASE.
 - SEE SPECIFIC REQUIREMENTS IN SPECIFICATION REGARDING GRINDING, CUTTING, ETC. WITHIN WELDING (SOLVENT), CUTTING, ETC. WITHIN THE EXISTING BUILDING (GARAGE), CHASE, PENTHOUSE, OCCUPIED SPACES, ETC.). UNDER NO CIRCUMSTANCES SHALL DUST, DIRT, FUMES, ETC. BE A NUISANCE TO BUILDING OCCUPANTS. CONTRACTOR TO PROVIDE VENTILATED ENCLOSURES, ETC. AS REQUIRED TO PERFORM WORK.



EAST PENTHOUSE & ROOF DETAIL 2
1/4" = 1'-0"



- GENERAL NOTES CONTINUED:**
- PLAN SHOWS LOCATION OF EXISTING CONDENSER WATER PIPING. CONTRACTOR TO REMOVE ALL EXISTING CONDENSER WATER PIPING, AND REPLACE WITH NEW PIPING. SEE ALSO NOTES REGARDING PHASE I AND PHASE II WORK.
 - ROOF PROTECTION:
 - THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY EPDM (40ML OR GREATER) AND 1/2" PLYWOOD IN ALL AREAS WHERE WORK IS BEING PERFORMED ON ROOFS.
 - DANE COUNTY PROJECT ENGINEER APPROVAL IS REQUIRED PRIOR TO ANY CUTTING OR WELDING.
 - ROOF REPAIRS:
 - THE CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ROOF FOR DAMAGED CAUSED BY THE WORK BEING PERFORMED. REPAIRS SHALL NOT VOID THE EXISTING WARRANTY.
 - CONTACT MALY ROOFING AT 244-7663 FOR WARRANTY INFORMATION AND APPROVED REPAIR PROCEDURES.
 - STAGING:
 - CONTRACTOR TO DEVELOP A STAGING PLAN WITH THE OWNER FOR ALL MATERIALS STORED ON ROOF.
 - NO ELEVATOR ACCESS TO PENTHOUSE.
 - LABELING:
 - LABEL (1/2" STENCIL) ALL NEW PIPING WITH PIPE CONTENT AND FLOW DIRECTION.

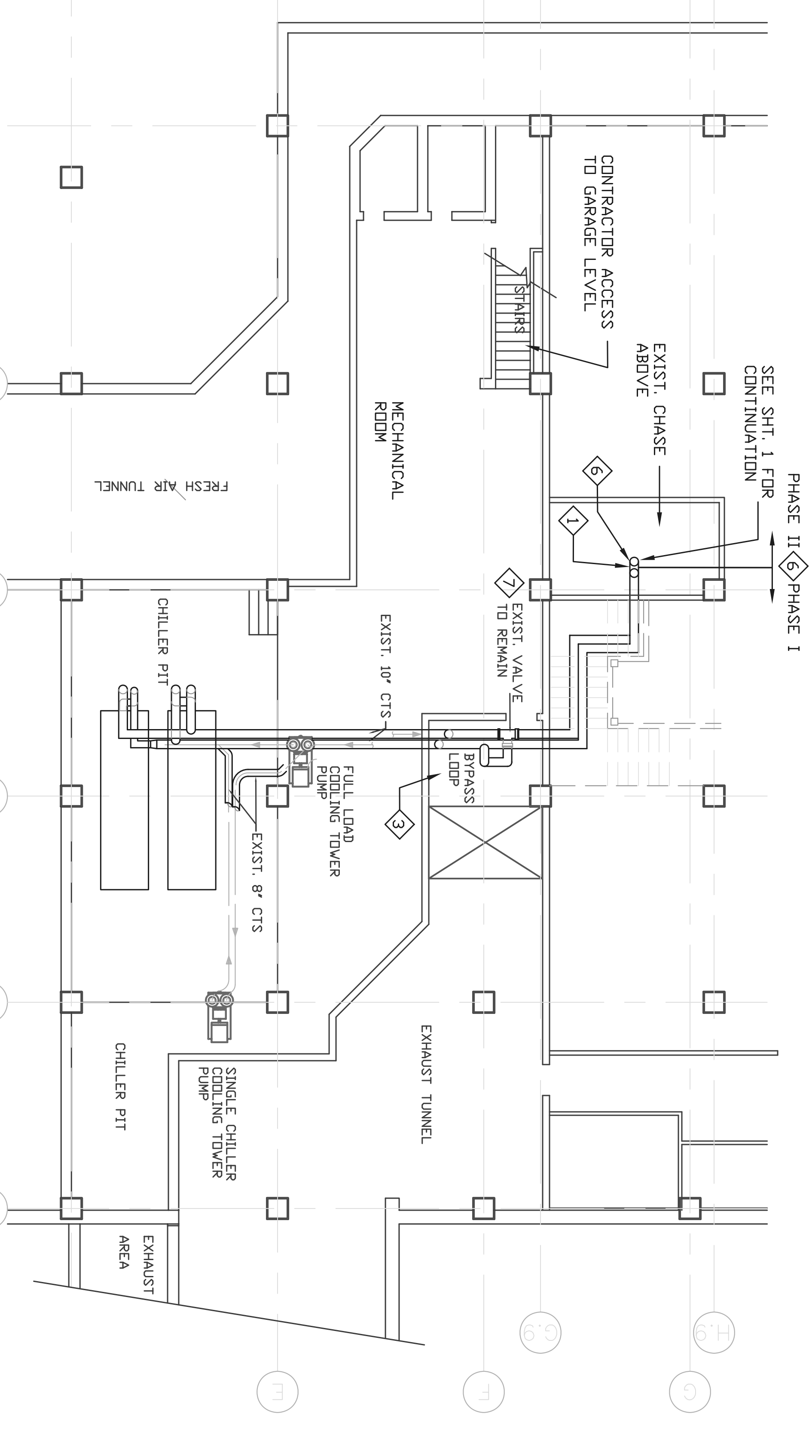
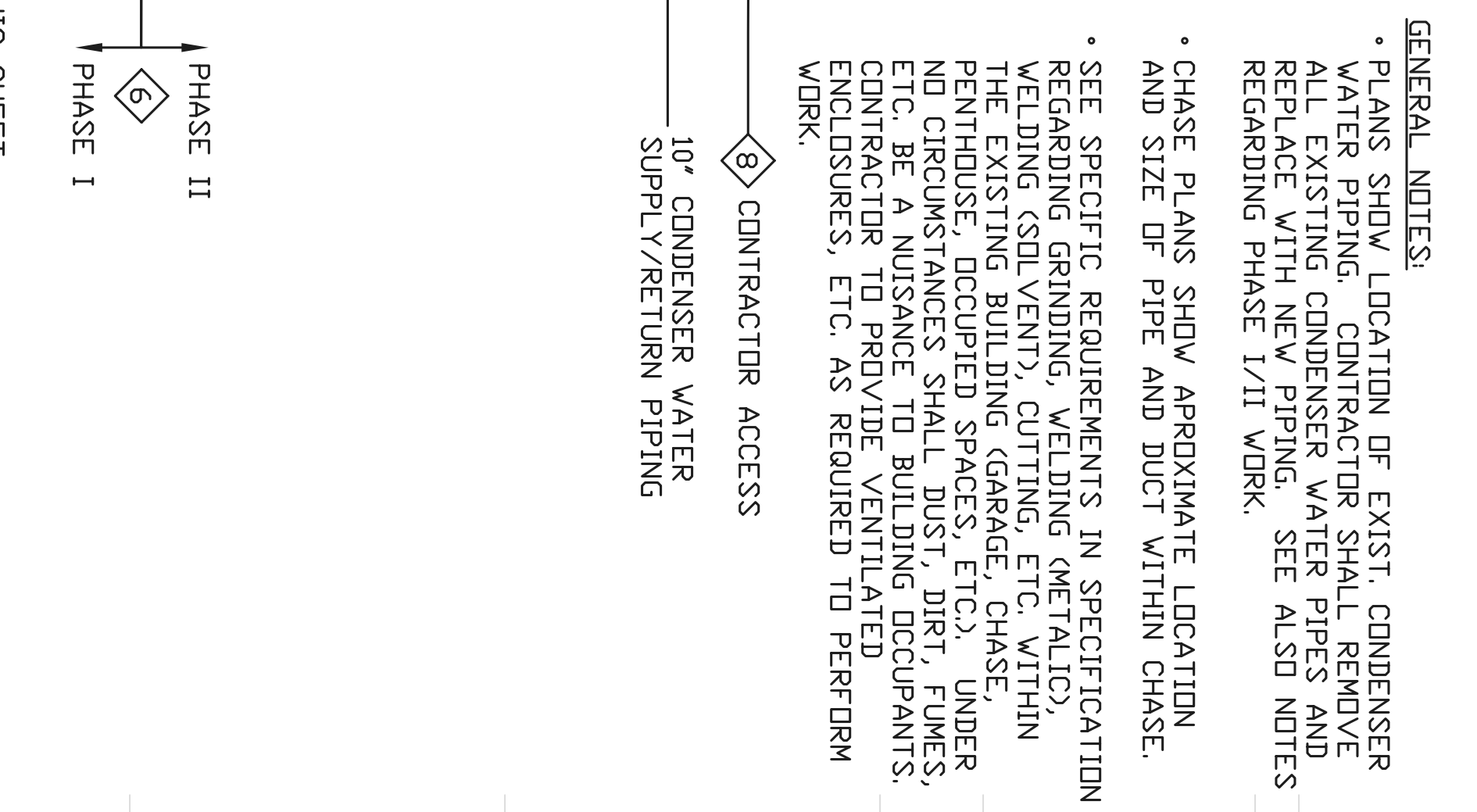
- KEYED NOTES:**
- ① CONNECTION TO EXISTING PIPE TO BE MADE VIA BOLTED CONNECTION AT ISOLATION VALVES. EXIST ISOLATION VALVES TO REMAIN AND PIPING BETWEEN ISOLATION VALVES AND COOLING TOWER TO REMAIN.
 - ② PENETRATIONS THROUGH WALL SHALL BE COMPLETELY SEALED WITH MORTAR AND CAULK.
 - ③ ALTERNATE BID 2: ALL HORIZONTAL PIPING ON ROOF SHALL BE STAINLESS STEEL UP TO THE BOLTED CONNECTIONS AT ISOLATION VALVES. ALL VERTICAL PIPING IN CHASE SHALL BE STAINLESS STEEL.
 - ④ ALTERNATE BID 3: VERTICAL PVC PIPING TO BE BOLTED TO BLACK STEEL ELBOWS. ALL HORIZONTAL PIPING ON ROOF TO BE BLACK STEEL.
 - ⑤ INSTALL 1" THREADLET FOR SYSTEM BLEED. CONNECTION BY OWNER.

DEPARTMENT OF PUBLIC WORKS
DANE COUNTY WISCONSIN

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CHILLER PIPING RETROFIT
CITY-COUNTY BUILDING
210 MLK JR BLVD.
MADISON WISCONSIN

PHENOLASE ROOF RECK	17'-2 1/2"
MACHINE ROOM	15'-9 1/2"
PENTHOUSE	15'-9 1/2"
GENERAL FLOOR	14'-6"
STORY FLOOR	13'-6"
FIFTH FLOOR	12'-7"
FOURTH FLOOR	11'-7"
THIRD FLOOR	9'-7 1/2"
SECOND FLOOR	8'-2 1/2"
FIRST FLOOR	8'-2 1/2"
GROUND FLOOR	8'-2 1/2"
ELEVATOR PIT	4'-2 1/2"
GAUGE FLOOR	4'-2 1/2"
BASEMENT FLOOR	5'-2 1/2"



D E F H,9
G9 G

- GENERAL NOTES:
- PLANS SHOW LOCATION OF EXIST. CONDENSER WATER PIPING. CONTRACTOR SHALL REMOVE ALL EXISTING CONDENSER WATER PIPES AND REPLACE WITH NEW PIPING. SEE ALSO NOTES REGARDING PHASE I/II WORK.
 - CHASE PLANS SHOW APPROXIMATE LOCATION AND SIZE OF PIPE AND DUCT WITHIN CHASE.
 - SEE SPECIFIC REQUIREMENTS IN SPECIFICATION REGARDING GRINDING, WELDING (METALIC), WELDING (SOIL VENT), CUTTING, ETC. WITHIN THE EXISTING BUILDING SPACES, CHASE, PENTHOUSE, OCCUPIED SPACES, ETC.). UNDER NO CIRCUMSTANCES SHALL DIRT, FUMES, ETC. BE A NUISANCE TO BUILDING OCCUPANTS. CONTRACTOR TO PROVIDE VENTILATED ENCLOSURES, ETC. AS REQUIRED TO PERFORM WORK.
 - CONTRACTOR ACCESS
 - 10" CONDENSER WATER SUPPLY/RETURN PIPING

SECTION BETWEEN COL. LINES 8 & 9
1/16" SCALE

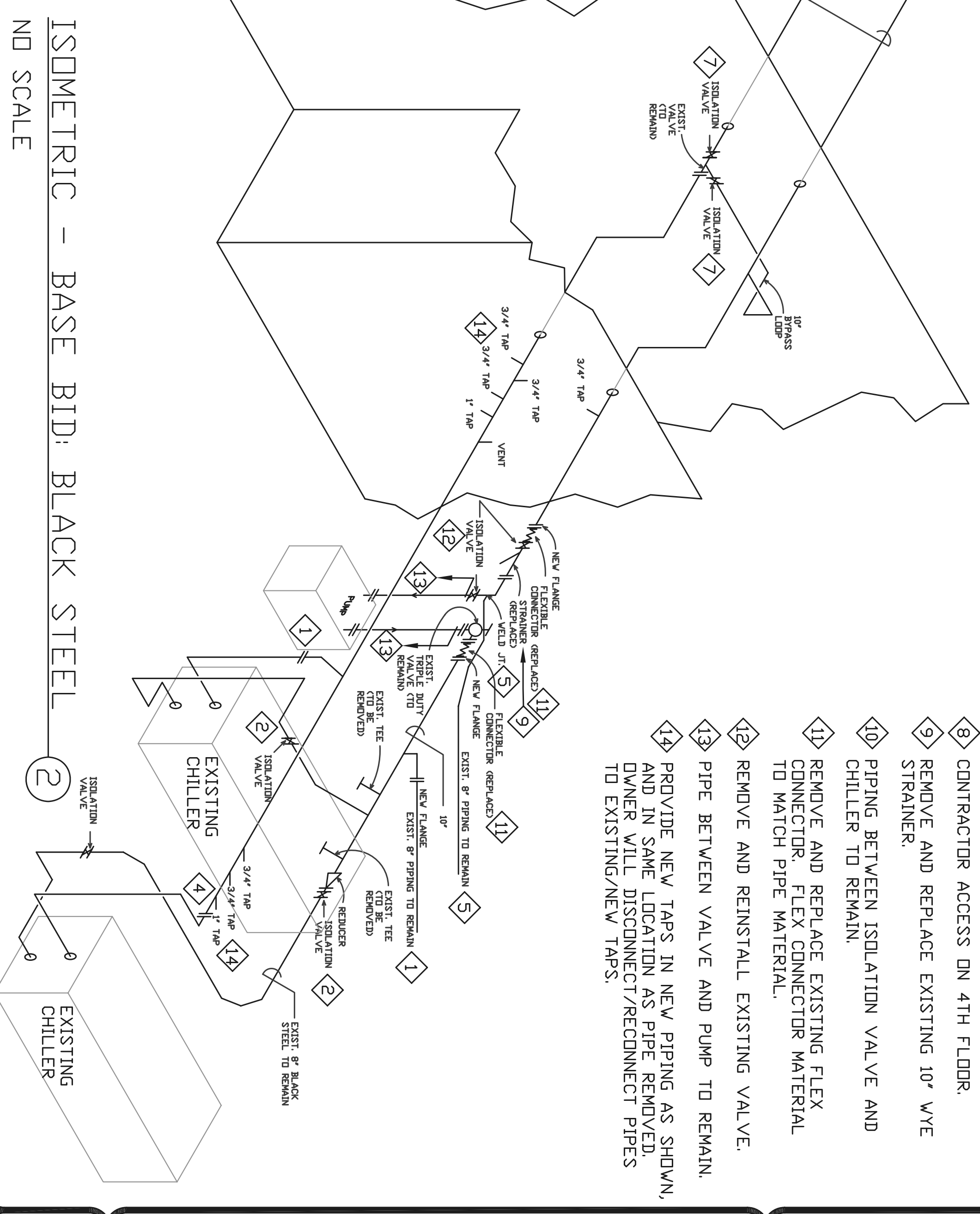
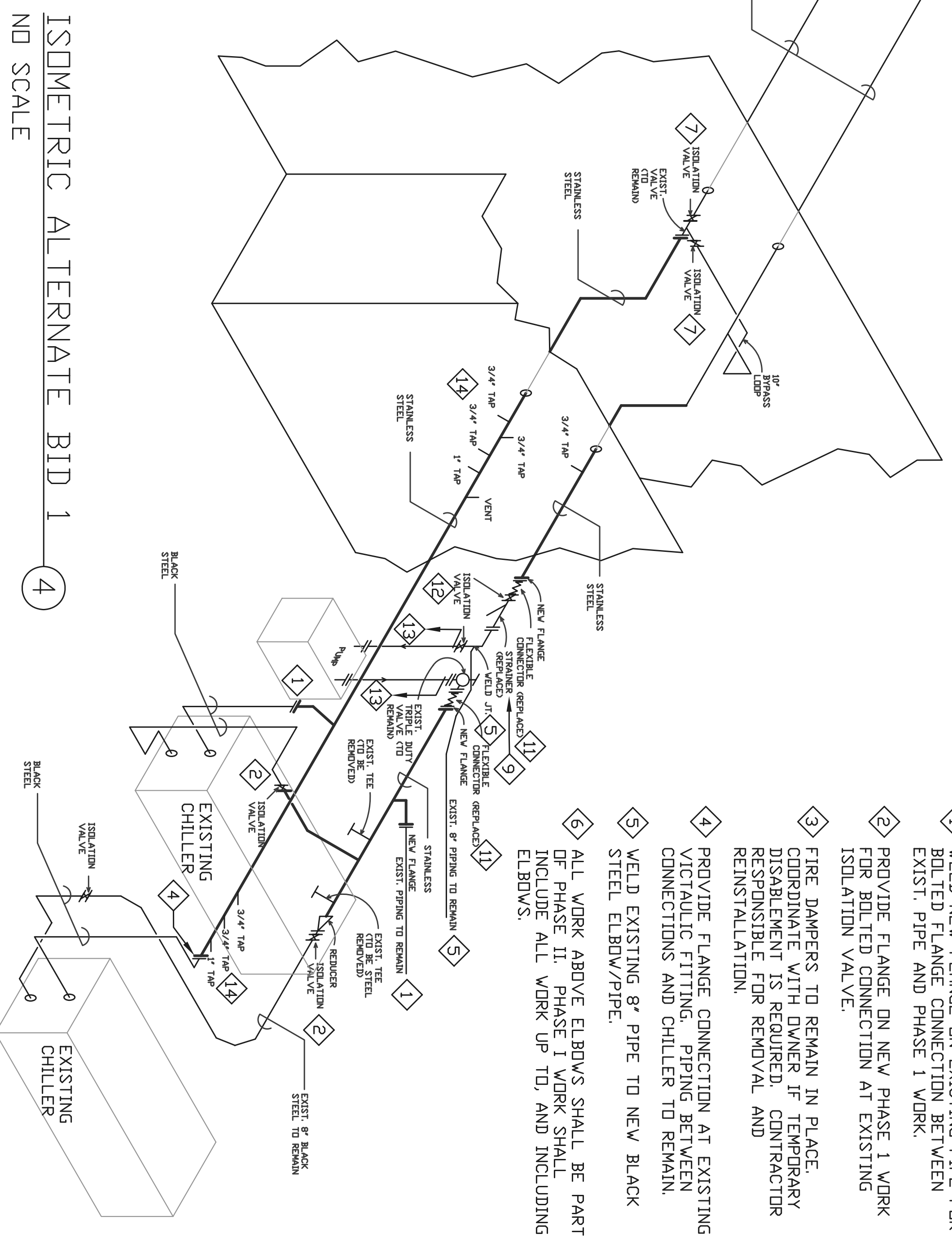
BASEMENT
1/8" SCALE

KEYED NOTES:

- 1 WELD NEW FLANGE ON EXISTING PIPE FOR EXIST. PIPE AND PHASE I WORK.
- 2 PROVIDE FLANGE ON NEW PHASE I WORK FOR BOLTED CONNECTION AT EXISTING ISOLATION VALVE.
- 3 FIRE DAMPERS TO REMAIN IN PLACE. COORDINATE WITH OWNER IF TEMPORARY DISABLEMENT IS REQUIRED. CONTRACTOR RESPONSIBLE FOR REMOVAL AND REINSTALLATION.
- 4 PROVIDE FLANGE CONNECTION AT EXISTING VITACLIC FITTING. PIPING BETWEEN CONNECTIONS AND CHILLER TO REMAIN.
- 5 WELD EXISTING 8" PIPE TO NEW BLACK STEEL ELBOW/PIPE.

KEYED NOTES-CONTINUED:

- 7 CONTRACTOR TO REMOVE AND REINSTALL EXIST. BYPASS VALVE, INCLUDING ALL CONTROL WIRING.
- 8 CONTRACTOR ACCESS ON 4TH FLOOR.
- 9 REMOVE AND REPLACE EXISTING 10" WYE STRAINER.
- 10 PIPING BETWEEN ISOLATION VALVE AND CHILLER TO REMAIN.
- 11 REMOVE AND REPLACE EXISTING FLEX CONNECTOR FLEX CONNECTOR MATERIAL TO MATCH PIPE MATERIAL.
- 12 REMOVE AND REINSTALL EXISTING VALVE.
- 13 PIPE BETWEEN VALVE AND PUMP TO REMAIN.
- 14 PROVIDE NEW TAPS IN NEW PIPING AS SHOWN, AND IN SAME LOCATION AS PIPE REMOVED. OWNER WILL DISCONNECT/RECONNECT PIPES TO EXISTING/NEW TAPS.



Sheet of 3	CHILLER PIPING RETROFIT CITY-COUNTY BUILDING 210 MLK JR BLVD. MADISON WISCONSIN	DEPARTMENT OF PUBLIC WORKS DANE COUNTY WISCONSIN	Design By: SCR	Drawn By: JRL	Approved By: RJN	Revisions
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