DEMOLITION PLAN GENERAL NOTES:

A. THE BUILDING WILL BE OCCUPIED THROUGHOUT CONSTRUCTION. ALL DEMOLITION IN THE TERRACE LEVEL IS TO BE COORDINATED WITH THE PHASED CONSTRUCTION OF THE LEVELS ABOVE. DUCTWORK, PIPING, AND EQUIPMENT SERVING THE LEVELS ABOVE MUST REMAIN ON-LINE AND OPERATIONAL UNTIL THE AREA IT SERVES IS DEMOLISHED. DUCTWORK AND PIPING MAY BE TEMPORARILY BACKFED WITH EXISTING OR NEW EQUIPMENT. SEE PHASING NARRATIVE FOR MORE INFORMATION.

B. VERIFY ALL EXISTING CONDITIONS BEFORE STARTING ANY DEMOLITION WORK. NOT ALL OF THE WORK ON THIS PLAN COULD BE FIELD VERIFIED DUE TO INACCESSIBLE CEILINGS AND LIMITED VISIBILITY. THIS CONTRACTOR SHALL MAKE AN ALLOWANCE IN HIS BID TO REMOVE/REROUTE AN ADDITIONAL AMOUNT OF EXISTING EQUIPMENT OR MATERIALS THAT MAY NOT BE COUNTED FOR ON THE PLANS OR INDICATED IN EXISTING DRAWINGS. REMOVE ANY AND ALL INACTIVE PIPING, DUCTWORK, CONTROLS, ETC IN THEIR ENTIRETY.

C. COORDINATE NOISY CONSTRUCTION WORK WITH THE BUILDING OWNER AS TO NOT DISTURB THE OCCUPIED SPACES. AFTER HOURS AND WEEKEND WORK MAY BE NECESSARY.

D. COORDINATE ALL BUILDING UTILITY SHUT DOWNS WITH THE BUILDING OWNER.

E. ALL SHUTDOWNS OF MECHANICAL, SPRINKLER, FIRE ALARM AND/OR ELECTRICAL SYSTEMS SHALL BE COORDINATED WITH OWNER AND MAY BE REQUIRED TO OCCUR DURING NON-BUSINESS HOURS.

F. NO PIPING, DUCTWORK OR EQUIPMENT SHALL BE ABANDONED IN PLACE UNLESS SPECIFICALLY NOTED OTHERWISE. REMOVE ALL ABANDONED PIPING, DUCTWORK, AND EQUIPMENT.

G. DEMOLITION TO REMOVE SYSTEMS AND COMPONENTS SHALL BE LIMITED TO PRESERVE EXISTING HISTORIC BUILDING COMPONENTS AND FINISHES. PLEASE REFER TO THE ARCHITECTURAL DEMOLITION DRAWINGS FOR MORE INFORMATION ON ACCEPTABLE DEMOLITION APPROACH.

DEMOLITION PLAN KEY NOTES: (#)

1. REMOVE "HOUSE" AHU. REMOVE ALL ASSOCIATED SUPPLY AND RETURN DUCTWORK WITHIN MECHANICAL ROOM. SUPPLY AND RETURN DUCTWORK UP SHAFTS TO OCCUPIED AREAS IS TO REMAIN UNTIL FUTURE PHASE (SEE PHASING NARRATIVE). REMOVE OUTSIDE AIR DUCT BACK TO LOUVER. REMOVE ASSOCIATED CONTROLS AND VSDS.

2. REMOVE RETURN/RELIEF FAN. REMOVE ASSOCIATED DUCTWORK, VSD AND CONTROLS.

3. EXISTING DUCTWORK IN SHAFTS TO REMAIN. DUCTWORK SERVICING OCCUPIED FLOORS ABOVE MUST REMAIN ON-LINE AND ACTIVE UNTIL THAT AREA IS UNDER CONSTRUCTION. PROVIDE TEMPORARY BACK-FEED OF DUCTWORK WITH EXISTING OR NEW AHU.

4. REMOVE VAV BOX WITH HOT WATER REHEAT COIL. REMOVE BRANCH DUCTWORK, HOT WATER PIPING, ASSOCIATED DIFFUSERS, AND CONTROLS.

5. RATHSKELLER SUPPLY AND RETURN DUCTWORK, DIFFUSERS, KITCHEN HOODS AND EXHAUST DUCTWORK IS TO REMAIN. HVAC SYSTEMS SERVING RATHSKELLER ARE TO REMAIN ONLINE AND OPERATIONAL THROUGHOUT CONSTRUCTION DURING LEGISLATIVE SESSIONS. DUCTWORK MAY BE TEMPORARILY BACKFED WITH A NEW OR EXISTING AHU DURING CONSTRUCTION.

6. SENATE DUPLICATING AREA IS TO REMAIN OCCUPIED THROUGHOUT CONSTRUCTION. SENATE DUPLICATING DUCTWORK, DIFFUSERS AND CONTROLS ARE TO REMAIN ONLINE AND OPERATIONAL UNTIL WORK CAN BE COMPLETED IN THIS AREA DURING OFF HOURS. SENATE DUPLICATING IS CURRENTLY SERVED BY AHU-16. DUCTWORK MAY BE TEMPORARILY BACKFED WITH A NEW OR EXISTING AHU DURING CONSTRUCTION.

7. SENATE MEDIA AREA IS TO REMAIN OCCUPIED THROUGHOUT CONSTRUCTION UNTIL THEIR FUTURE SPACE IS FIT UP AND READY TO BE OCCUPIED. DUCTWORK, DIFFUSERS AND CONTROLS ARE TO REMAIN ONLINE AND OPERATIONAL UNTIL THIS AREA IS VACANT. SENATE MEDIA IS CURRENTLY SERVED BY AHU-5A, AHU-1B AND AHU-15. (CONTRACTOR TO FIELD VERIFY SPACES SERVED.) DUCTWORK MAY BE TEMPORARILY BACKFED WITH A NEW OR EXISTING AHU DURING CONSTRUCTION.

8. EXISTING AHU SERVING EAST ELECTRICAL VAULT IS TO BE REMOVED AND RELOCATED. COORDINATE NEW LOCATION WITH NEW ELECTRICAL SWITCHGEAR LAYOUT.

9. REMOVE "HOUSE" AHU. REMOVE ALL ASSOCIATED SUPPLY AND RETURN DUCTWORK WITHIN MECHANICAL ROOM. AHU SERVES SPACES WITHIN THE TERRACE AND MAY BE DEMOLISHED AT THE START OF CONSTRUCTION. (CONTRACTOR TO FIELD VERIFY SPACES SERVED.) REMOVE OUTSIDE AIR DUCT BACK TO LOUVER. REMOVE ASSOCIATED CONTROLS AND VSDS. DEMOLITION OF UNIT MAY BE DELAYED UNTIL LATER IN CONSTRUCTION IF IT IS DESIRED TO UTILIZE THE UNIT AS A TEMPORARY BACK-FEED OPTION.

10.REMOVE DUCT MOUNTED REHEAT COIL. REMOVE HOT WATER PIPING AND ASSOCIATED CONTROLS.S.

11.REMOVE THERMOSTAT AND OTHER MISCELLANEOUS CONTROLS. REMOVE PNEUMATIC TUBING WHERE PRESENT.

12.REMOVE INLINE FAN. REMOVE ASSOCIATED DUCTWORK AND CONTROLS.

13.REMOVE "HOUSE" AHU. REMOVE ALL ASSOCIATED SUPPLY AND RETURN DUCTWORK WITHIN MECHANICAL ROOM. OUTSIDE AIR DUCTWORK, ASSOCIATED CONTROLS AND VSDS. UNIT SERVES SENATE DUPLICATING AND MUST REMAIN ONLINE AND OPERATIONAL UNTIL SENATE DUPLICATING IS BACKFED WITH A DIFFERENT UNIT OR TIED INTO A NEW FUTURE AHU.

14.RETURN FAN SERVES SENATE DUPLICATING. FAN MUST REMAIN ONLINE UNTIL SENATE DUPLICATING IS SERVED BY A DIFFERENT AHU.

15.REMOVE DUCTWORK BELOW FLOOR.

16.REMOVE VAV BOX. REMOVE BRANCH DUCTWORK, ASSOCIATED DIFFUSERS AND CONTROLS.

17.REMOVE DUCT MOUNTED HUMIDIFIER. REMOVE ASSOCIATED PIPING AND CONTROLS.

18.ALL DISTRIBUTION DUCTWORK, DIFFUSERS AND GRILLES SHOWN BOLD AND DASHED ARE TO BE REMOVED, TYPICAL. COORDINATE DEMOLITION WITH THE PHASING OF SPACES IN THE TERRACE AND THROUGHOUT THE BUILDING.

1 TERRACE WEST DUCTWORK DEMOLITION PLAN
1/8" = 1'-0"

hga + sca
capitol restoration collaborative

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KEY PLAN

Minnesota State Capitol
Repairs, Restoration, & Preservation
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Saint Paul, MN 55155
STATE PROJECT NUMBER - 02CB0015

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

NAME: JEFFREY W. HARRIS
DATE: JUNE 14, 2013
REGISTRATION NUMBER: 21522

HGA NO: 0476-061-00

TERRACE WEST DUCTWORK DEMOLITION PLAN

WORK PACKAGE 1

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