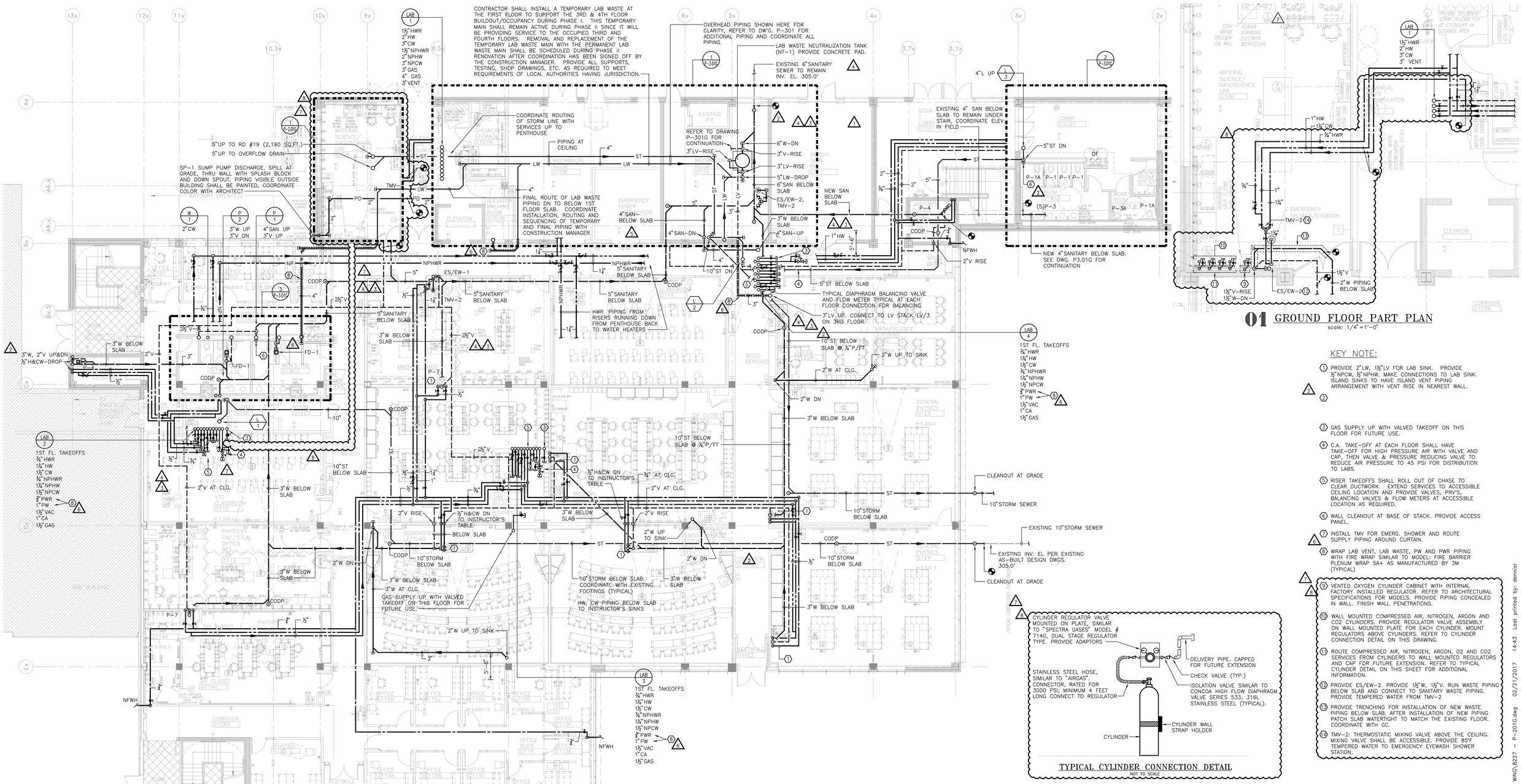


KEY NOTE:

1. PROVIDE 2"LW, 1½"LV FOR LAB SINK. PROVIDE ½"NPCW, ½"NPHW. MAKE CONNECTIONS TO LAB SINK. ISLAND SINKS TO HAVE ISLAND VENT PIPING ARRANGEMENT WITH VENT RISE IN NEAREST WALL.
2.
3. GAS SUPPLY UP WITH VALVED TAKEOFF ON THIS FLOOR FOR FUTURE USE.
4. C.A. TAKE-OFF AT EACH FLOOR SHALL HAVE TAKE-OFF FOR HIGH PRESSURE AIR WITH VALVE AND CAP, THEN VALVE & PRESSURE REDUCING VALVE TO REDUCE AIR PRESSURE TO 45 PSI FOR DISTRIBUTION TO LABS.
5. RISER TAKEOFFS SHALL ROLL OUT OF CHASE TO CLEAR DUCTWORK. EXTEND SERVICES TO ACCESSIBLE CEILING LOCATION AND PROVIDE VALVES, PRV'S, BALANCING VALVES & FLOW METERS AT ACCESSIBLE LOCATION AS REQUIRED.
6. WALL CLEANOUT AT BASE OF STACK. PROVIDE ACCESS PANEL.
7. INSTALL TMV FOR EMERG. SHOWER AND ROUTE SUPPLY PIPING AROUND CURTAIN.
8. WRAP LAB VENT, LAB WASTE, PW AND PWR PIPING WITH FIRE WRAP SIMILAR TO MODEL: FIRE BARRIER PLENUM WRAP 5A+ AS MANUFACTURED BY 3M (TYPICAL)
9. VENTED OXYGEN CYLINDER CABINET WITH INTERNAL FACTORY INSTALLED REGULATOR. REFER TO ARCHITECTURAL SPECIFICATIONS FOR MODELS. PROVIDE PIPING CONCEALED IN WALL. FINISH WALL PENETRATIONS.
10. WALL MOUNTED COMPRESSED AIR, NITROGEN, ARGON AND CO2 CYLINDERS. PROVIDE REGULATOR VALVE ASSEMBLY ON WALL MOUNTED PLATE FOR EACH CYLINDER. MOUNT REGULATORS ABOVE CYLINDERS. REFER TO CYLINDER CONNECTION DETAIL ON THIS DRAWING.
11. ROUTE COMPRESSED AIR, NITROGEN, ARGON, O2 AND CO2 SERVICES FROM CYLINDERS TO WALL MOUNTED REGULATORS AND CAP FOR FUTURE EXTENSION. REFER TO TYPICAL CYLINDER DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION.
12. PROVIDE ES/EW-2. PROVIDE 1½"W, 1½"V. RUN WASTE PIPING BELOW SLAB AND CONNECT TO SANITARY WASTE PIPING. PROVIDE TEMPERED WATER FROM TMV-2
13. PROVIDE TRENCHING FOR INSTALLATION OF NEW WASTE PIPING BELOW SLAB. AFTER INSTALLATION OF NEW PIPING PATCH SLAB WATERTIGHT TO MATCH THE EXISTING FLOOR. COORDINATE WITH GC.
14. TMV-2: THERMOSTATIC MIXING VALVE ABOVE THE CEILING. MIXING VALVE SHALL BE ACCESSIBLE. PROVIDE 85°F TEMPERED WATER TO EMERGENCY EYEWASH SHOWER STATION.

TYPICAL CYLINDER CONNECTION DETAIL

NOT TO SCALE

CYLINDER REGULATOR VALVE MOUNTED ON PLATE, SIMILAR TO "SPECTRA GASES" MODEL # 7140, DUAL STAGE REGULATOR TYPE. PROVIDE ADAPTORS

STAINLESS STEEL HOSE, SIMILAR TO "AIRGAS". CONNECTOR, RATED FOR 3000 PSI, MINIMUM 4 FEET LONG CONNECT TO REGULATOR

DELIVERY PIPE. CAPPED FOR FUTURE EXTENSION

CHECK VALVE (TYP.)

ISOLATION VALVE SIMILAR TO CONCOA HIGH FLOW DIAPHRAGM VALVE SERIES 533, 316L STAINLESS STEEL (TYPICAL).

CYLINDER WALL STRAP HOLDER

CYLINDER

GROUND FLOOR PLAN

LAB WASTE NEUTRALIZATION SYSTEM SCHEDULE

LAB WASTE NEUTRALIZER	LOCATION	CAPACITY	DIMENSIONS	CONNECTIONS INLET	CONNECTIONS OUTLET	REMARKS
NT-1	FIRST FLOOR MECHANICAL RM. G110 G-WING	200 GAL.	36" DIA. 53" HIGH	6"	6"	LIMESTONE NEUTRALIZATION POLYPROPYLENE TANK SYSTEM. "ORION" STYLE 5, 200 GALLONS. PROVIDE TANK VENT CONNECTION

NOTES:
CONTRACTOR SHALL SUPPLY ANY ADAPTERS TO TIE THE TANKS INTO THE SYSTEM'S VENT AND DRAINAGE PIPING.
CONTRACTOR SHALL ALSO FILL THE TANK(S) WITH WATER AND LIMESTONE TO THE APPROPRIATE LEVEL UPON COMPLETION OF WORK. CONTRACTOR SHALL SUPPLY ADDITIONAL LIMESTONE FOR AT LEAST THREE SUBSEQUENT TANK FILLINGS, TO BE PERFORMED BY THE OWNER AS REQUIRED.

GENERAL NOTE:

1. REFER TO RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES.
2. REMOVE PORTIONS OF EXISTING PIPING BELOW SLAB TO ACCOMMODATE INSTALLATION OF NEW PIPING OF OTHER TRADES. COORDINATE AND CUT AND PATCH SLAB. VERIFY AND COORDINATE WITH FIELD CONDITION OF EXISTING PIPING.
3. FIELD COORDINATE EXACT ROUTING OF PIPING AND SLAB CUT OUTS.
4. ALL LAB VENT, LAB WASTE, PW AND PWR PIPING LOCATED IN RETURN AIR PLENUM SHALL BE WRAPPED WITH FIRE WRAP SIMILAR TO MODEL: FIRE BARRIER PLENUM WRAP 5A+ AS MANUFACTURED BY 3M.

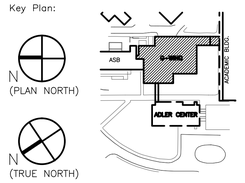
SCALE: 1/8"=1'-0"

0 4 8 16 FEET

RAMAPO COLLEGE OF NEW JERSEY

- OWNER:
  Ramapo College of New Jersey
  505 Ramapo Valley Road
  Mahwah, New Jersey 07430-1630
- CONSTRUCTION MANAGERS:
  Cambridge Construction Management
  335 East Main Street
  Somerville, NJ 08876
  908-253-9500
- ARCHITECT:
  Mitchell/Giurgola Architects, LLP
  630 Ninth Avenue, Suite 711
  New York, New York 10036
  212 663 4000
- MEP ENGINEER:
  Joseph R. Loring & Associates, Inc.
  21 Pennsylvania Plaza
  New York, NY 10001
  212 563 7400
- STRUCTURAL ENGINEER:
  Ysrael A Seinuk PC
  228 East 45th Street 2nd Floor
  New York, NY 10017
  212 687 2233
- LANDSCAPE ARCHITECT:
  Dirtworks, PC
  200 Park Avenue South
  New York, NY 10003
  212 529 2263
- SITE CIVIL ENGINEER:
  Langan Engineering
  619 River Drive Center 1
  Elmwood Park, NJ 07407-1338
  201 794 6900
- AV CONSULTANT
  Cerami & Associates
  404 Fifth Avenue
  New York, NY 10018
  212 370 1776

Key Plan:



NR	DATE	COMMENTS
	6/8/12	DCA FILING
	7/19/12	ISSUED FOR BID
1	12/20/12	DCA RESUBMISSION
	1/15/13	ISSUED FOR CONSTRUCTION
2	1/16/13	DCA RESUBMISSION/BULLETIN #1
3	8/8/13	BULLETIN #7
	8/12/16	AS-BUILT CONSTRUCTION DOCUMENTS
4	02/17/17	BULLETIN #35 REVISED

ISSUE/REVISION

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.

Project:
G-WING RENOVATION & ADLER CENTER

Submission:
CONSTRUCTION DOCUMENTS

Drawing Title:
PLUMBING
1ST FLOOR PLAN
G-WING

PROJECT NR: 102700	DATE: 6/8/12
RCNJ PROJ. NR: 08-240C	SCALE: 1/8"=1'-0"

P2.01G

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