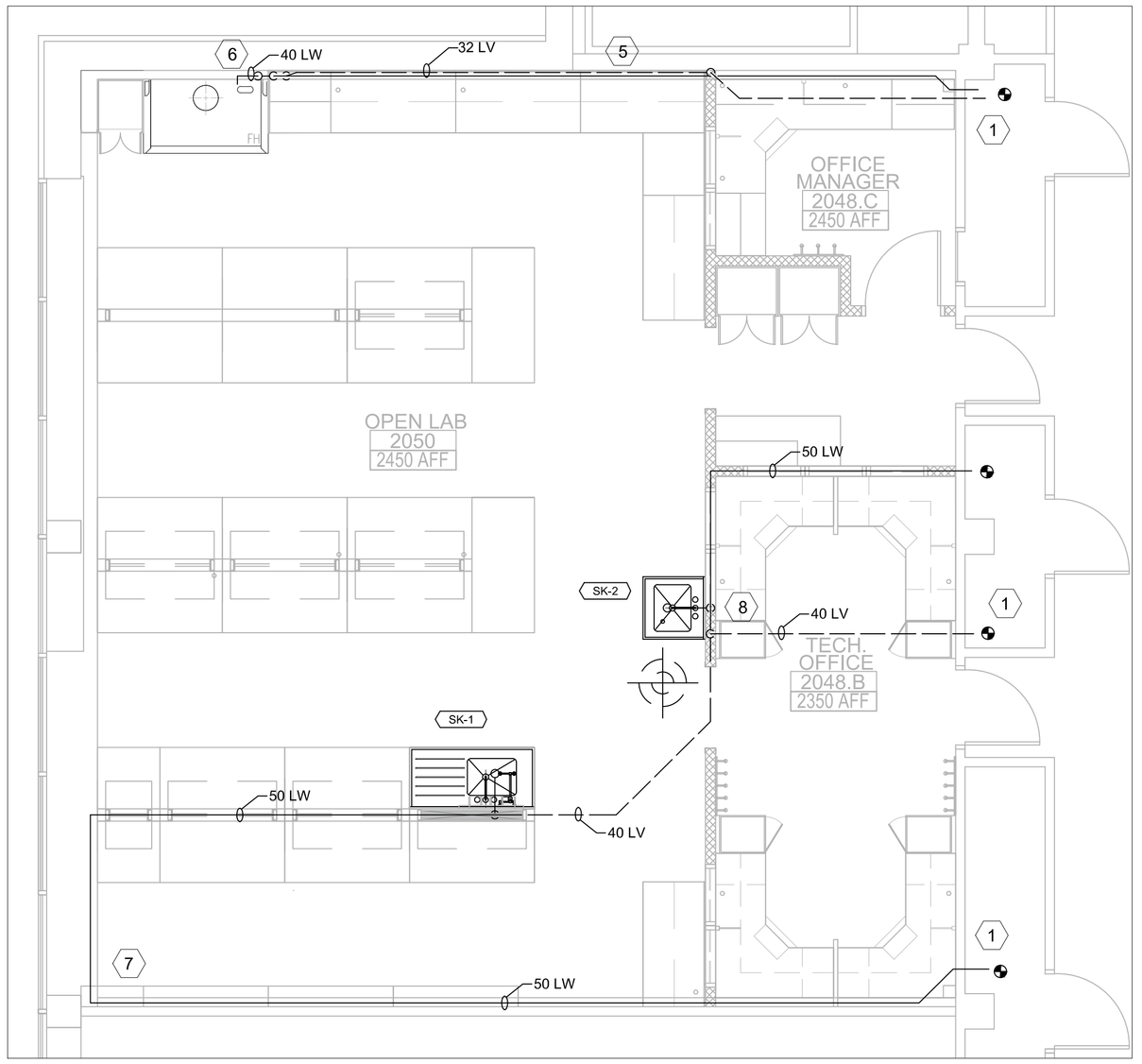



2 P-101 PLUMBING WASTE AND VENT LAYOUT

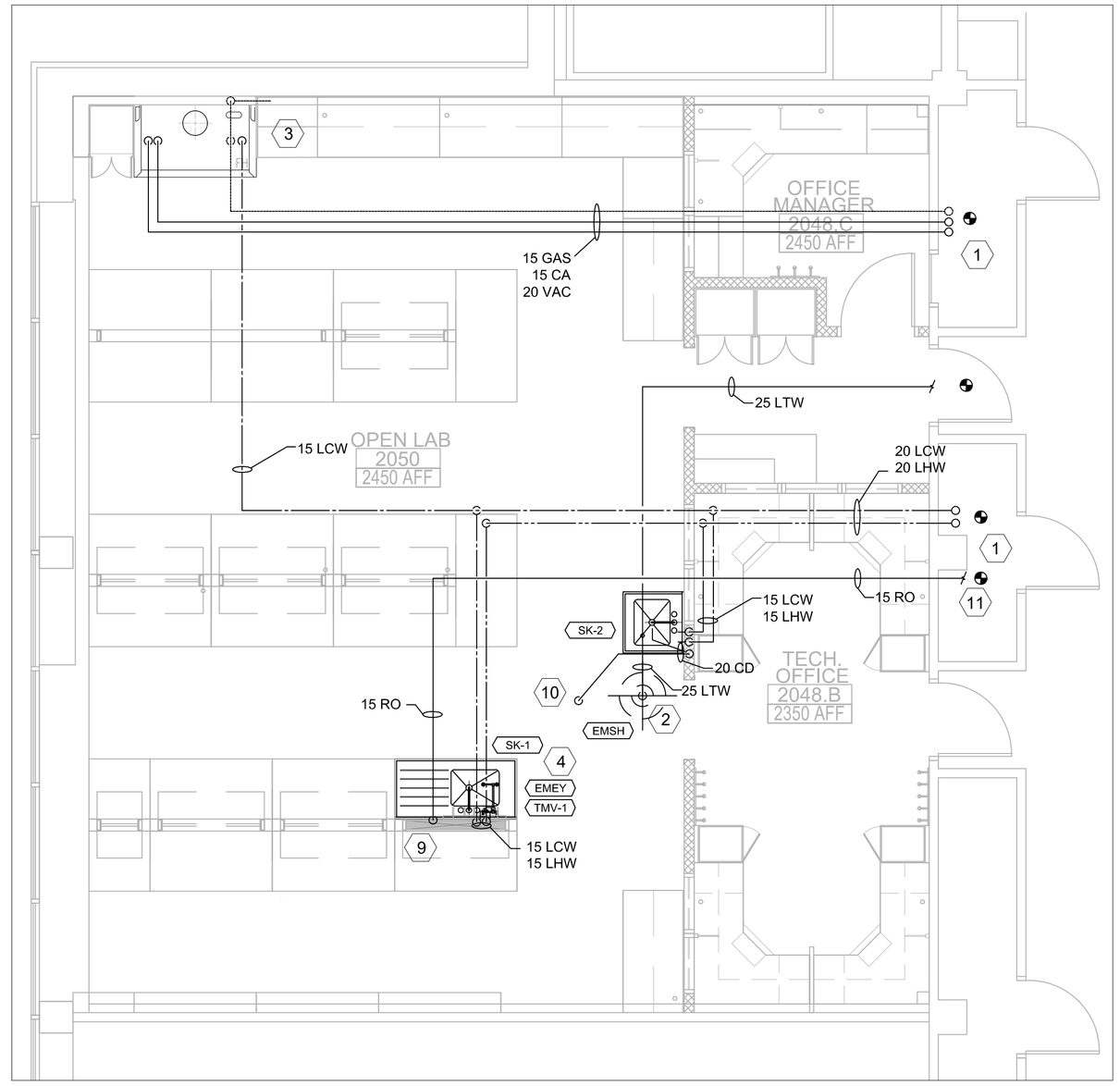
SCALE 1:50

GENERAL NOTES:

A. PIPING IS LOCATED IN THE CEILING SPACE OF THE FLOOR PLAN SHOWN, EXCEPT WHERE INDICATED.
B. SEE SCHEMATIC DRAWINGS AND DETAILS FOR VALVE REQUIREMENTS
C. ROUTE ALL PIPING AS NECESSARY TO AVOID DUCTWORK, LIGHTING, ETC.
D. CONTRACTOR TO VERIFY ALL CONNECTIONS TO OLD AND NEW AND INCORPORATE ACCURATE DIMENSIONING ON SHOP DRAWING SUBMITTAL.

KEY NOTES:

1. CONNECT TO EXISTING SERVICE RISERS LOCATED IN SERVICE SHAFTS. CONFIRM EXACT LOCATIONS OF EACH SERVICE. IF FEASIBLE, USE EXISTING TEE OFF RISER, AND PIPE UP TO REACH CEILING SPACE WITHIN CHASE. PROVIDE ISOLATION VALVES AT EACH TAKEOFF OF SUPPLY PIPING. ENSURE ANY NEW PENETRATIONS ARE PROPERLY FIRE SEALED, INCLUDING PROVISION OF INTUMESCENT FIRE DOUGHNUTS WHERE NEEDED ON PLASTIC PIPING
2. RELOCATE EXISTING EMERGENCY SHOWER AND CONNECT TO EXISTING LTW PIPING.
3. SERVICE DROPS FROM CEILING DOWN TO RELOCATED FUME HOOD. CONFIRM EXACT DROP LOCATIONS WITH EXISTING HOOD.TEE OFF GAS SERVICE AND RUN BEHIND FUMEHOOD SURFACE MOUNTED ON WALL WITH STAINLESS STEEL STANDOFFS, AND CONNECT TO HORIZONTAL SURFACE MOUNTED GAS SPIGOT LOCATED ABOVE RACEWAY. STAINLESS STEEL NEEDLE VALVE SPIGOT, WITH FULL FLOW SERRATED NOZZLE, CERTIFIED FOR LABORATORY GAS SERVICE.
4. PIPE TAKEOFF FROM SUPPLY LINE TO SINK TO THERMOSTATIC MIXING VALVE SERVING DECK MOUNTED EMERGENCY EYEWASH. LOCATE THERMOSTATIC MIXING VALVE BELOW SINK IN ACCESSIBLE LOCATION.
5. LAB WASTE DRAINAGE ROUTED LOW THROUGH HIP WALL CHASE, AND CONNECT TO EXISTING DRAINAGE STACK IN SERVICE CHASE. ROUTE VENT LINE THROUGH HIP WALL CHASE AND RISE TO CEILING SPACE AT MANAGER OFFICE WALL JUNCTION.
6. LAB WASTE DRAINAGE CONNECTION TO RELOCATED FUMEHOOD CUP SINK DRAIN. TRAP DRAIN CONNECTION UNDER FUME HOOD.
7. ROUTE SK-1 SINK DRAIN FROM CASEWORK, THROUGH WINDOW CHASE, AND THROUGH HIP WALL CHASE TO EXISTING DRAINAGE CONNECTION IN PIPE CHASE. COORDINATE PIPING SUPPORT AND LOCATION WITH ARCHITECTURAL DETAILS.
8. ROUTE VENT LINE SIDEWAYS THROUGH WALL CAVITY TO AVOID WINDOW DIRECTLY ABOVE SINK.
9. ROUTE RO WATER LINE INTERNAL TO CHASE AND PENETRATE OUT TO CONNECTION TO RO WATER PURIFIER UNIT. PROVIDE LOCAL SHUTOFF VALVE PRIOR TO CONNECTION TO UNIT.
10. ROUTE CONDENSATE DRAIN FOR FAN COIL UNIT THROUGH CEILING SPACE AND DOWN WALL CAVITY. PENETRATE WALL AND CONNECT TO SINK DRAIN, UPSTREAM OF TRAP.
11. RO WATER CONNECTION LOCATED IN CHASE / RISERS ACROSS THE HALL, AND ADJACENT ROOM TO THE NORTH. COORDINATE WITH EXISTING SERVICES FOR BEST ROUTING.




1 P-101 PLUMBING SUPPLY PIPING LAYOUT

SCALE 1:50

## PLUMBING FIXTURE SCHEDULE

| FIXTURE MARK | FIXTURE DESCRIPTION | SYSTEM | DRAIN | VENT | HOT WATER | COLD WATER | TEMP. WATER | PSI | BASIS OF DESIGN |
|---|---|---|---|---|---|---|---|---|---|
| SK-1 | LABORATORY DOUBLE SINK, STAINLESS STEEL INTEGRAL TO CASEWORK, WITH DRAINBOARD. DECK MOUNTED GOOSENECK FAUCET WITH VACUUM BREAKER AND WRIST BLADES | LW . | 50 | 40 | 15 | 15 | - | - | SINK - CUSTOM STAINLESS STEEL SINK INTEGRAL TO SS COUNTERTOP, C/W DRAINBOARD. SEE A-501 FAUCET: CHROME PLATE FINISHED, LABORATORY GRADE WITH AERATOR |
| SK-2 | LAVATORY, 316 STAINLESS STEEL, WALL HUNG WITH DECK MOUNTED GOOSENECK FAUCET WITH AUTO INFRARED SENSOR AND WATER TURBINE | LW | 50 | 40 | 15 | 15 | - | - | SINK - CUSTOM STAINLESS STEEL SINK SEE A-501 FAUCET : CHROME PLATED FINISH, SINGLE SUPPLY FOR TEMPERED WATER INCLUDING MIXING VALVE |
| EMSH | EMERGENCY SHOWER, CEILING HUNG WITH CHAIN PULL FOR SHOWER ACTIVATION. ALL STAINLESS STEEL | SAN | - | - | - | - | 25 | - | EXISTING TO BE RESUED AND RELOCATED |
| EMEY | DECK MOUNTED STAINLESS STEEL EMERGENCY EYEWASH WITH FLIP DOWN ACTIVATION | SAN | - | - | - | - | 15 | - | |

NOTES:
LW = LABORATORY WASTE SYSTEM

## MIXING VALVE SCHEDULE

| PLAN MARK | SERVICE | CONNECTION SIZE (MM) | FLOW (LPM) | PRESSURE DROP (kPA) | BASIS OF DESIGN | REMARKS |
|---|---|---|---|---|---|---|
| TMV-1 | DECK MOUNTED EYEWASH | 15 | 16.6 | 35 | - | |
| | | | | | | |
| | | | | | | |

REMARKS:

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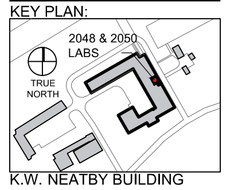
PROVINCE OF ONTARIO

KEY PLAN:




K.W. NEATBY BUILDING


| ISSUE | DESCRIPTION | DATE |
|---|---|---|
| 0 | ISSUE FOR CONSTRUCTION | 05/17/2018 |

Agriculture and Agri-Food Canada | Agriculture et Agroalimentaire Canada

K.W. NEATBY BUILDING- BUILDING 29
RENOVATION OF LABS 2048 & 2050

960 Carling Avenue
Ottawa, ON K1Y 4X2

SHEET TITLE:
PLUMBING PLAN AND SCHEDULES

| | |
|---|---|
| SCALE: | AS INDICATED |
| DATE: | 11-24-2017 |
| DRAWN: | DO |
| CHECKED: | DO / RG |
| PROJECT: | 74019668 |
| SHEET NO: | P-101 |