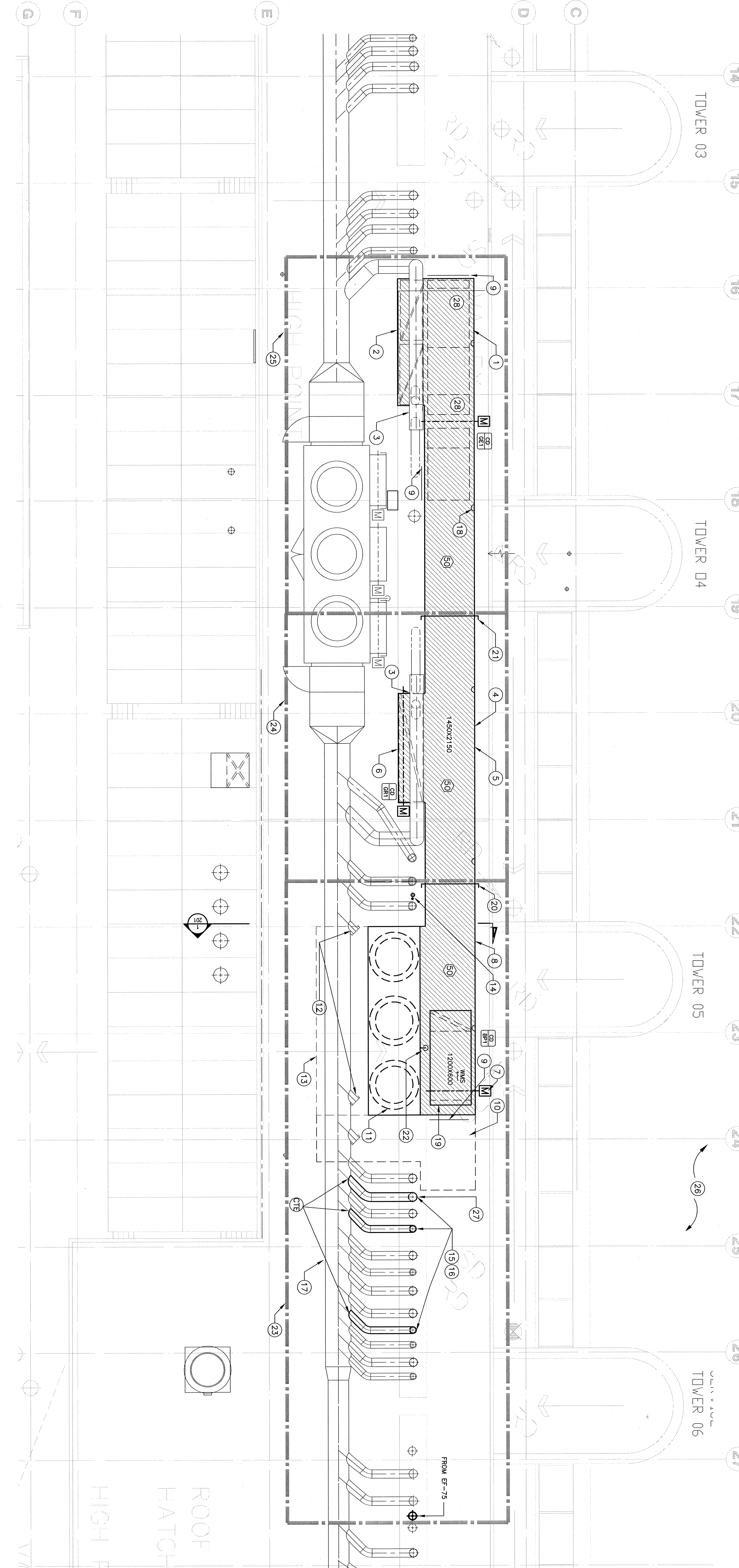


5		
4		
3	Issued for Tender	2012/06/16
2	Issued for 100% Program Review	2012/11/08
1	Issued for 95% Program Review	2012/07/17
0	Issued for 50% Program Review	2012/05/04
Revised	Change/Description	Date/Date
Client/Client		
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA		
641 - 800 BURNARD STREET VANCOUVER BC		
Project title/Titre du projet SUMMERLAND, BRITISH COLUMBIA 4200 HIGHWAY 97 PACIFIC AGRI-FOOD RESEARCH CENTRE SUMMERLAND- LAB EXHAUST SYSTEM ALTERATION		
Consultant/Agencé KANTHON		
Designed by/Concepté par KANTHON		
Drawn by/Dessiné par A. HOSKINI		
Project Manager/Administrateur de projet D. HUNTER		
Project Engineer/Ingénieur en génie P. HUNTER		
Drawing title/Titre de dessin MECHANICAL ROOF PARTIAL PLAN- NEW		
Project No./No. du projet R.018297.001	Sheet/Feuille M102	Revision no./ Révision no. 3

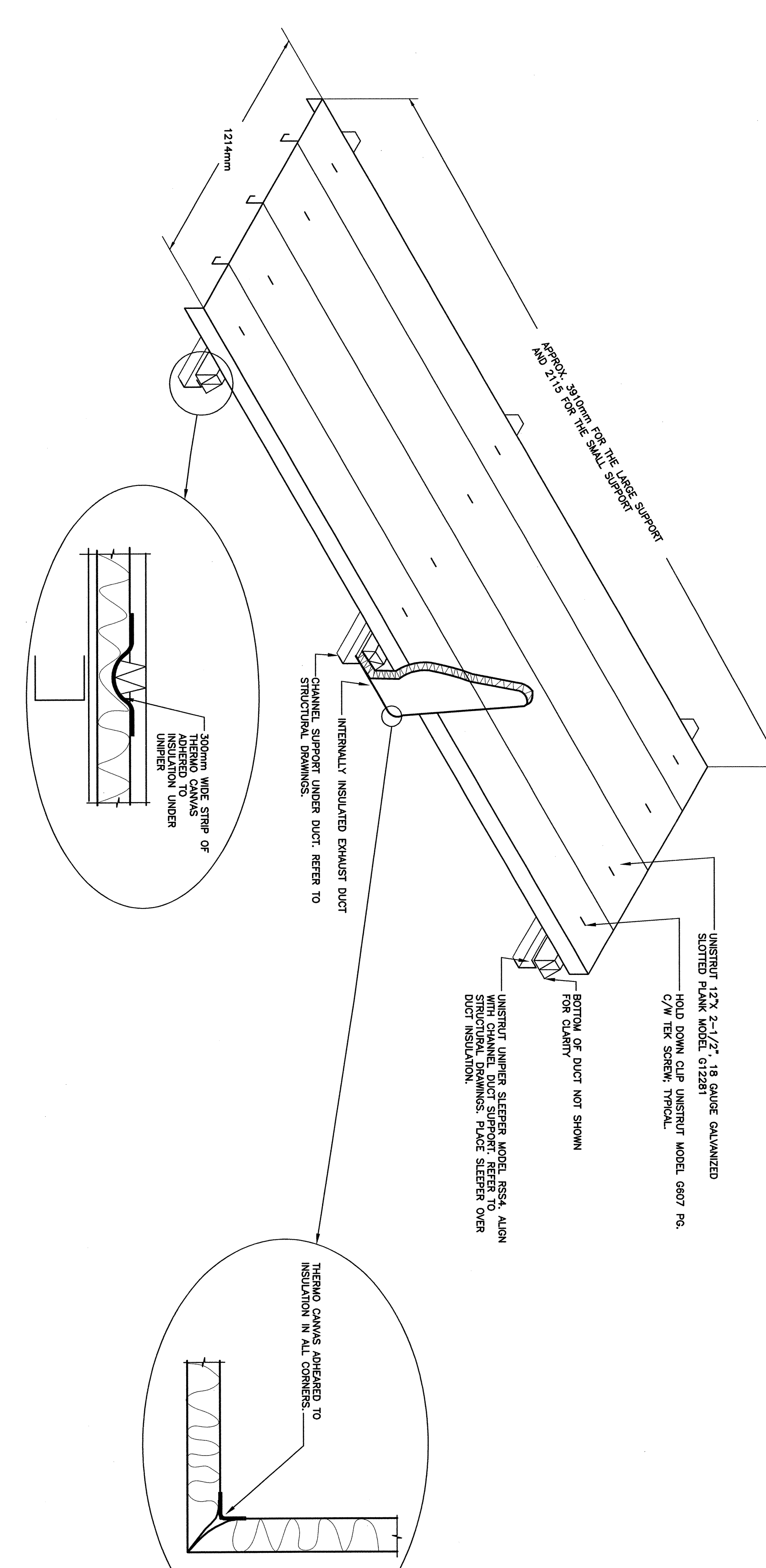


AUG 16 2013



1 MECHANICAL ROOF PARTIAL PLAN- NEW
SCALE 1/50

2 DETAIL 1- WALK-IN DUCT SERVICE PLATFORM
NOT TO SCALE



DRAWING NOTES:

1. NEW PLUMB (TYPICAL). ALL NEW PLUMB WORK TO BE OF SAME MATERIAL AS EXISTING PLUMB TO BE MAINTAINED FOR MAINTENANCE OF (NEGATIVE STATIC PRESSURE). REFER TO SPECIFICATIONS.
2. NEW PLUMB TO BE EXTENDED ABOVE EXISTING ROOF OPENING. (ANY TRANSITIONS RESULTING IN REDUCED SIZE OF DUCT (WITH SHAPES AREA) THAN OPENING ARE NOT ACCEPTABLE).
3. EXISTING EXHAUST BRANCH (INCLUDING ABOVE NEW PLUMB) IS TO BE SUPPORTED OFF THE PLUMB AS IT WAS EXISTING. (REFER TO EXISTING DRAWINGS FOR MORE INFORMATION).
4. EXISTING PLUMB IS TO BE STRUCTURALLY SECURED AND SUPPORTED BY STRUCTURAL "H" SUPPORT (SIMILAR TO EXISTING). REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.
5. PROVIDE REINFORCING AS REQUIRED FOR SNOW AND WIND LOADING.
6. NEW PLUMB TO BE EXTENDED ABOVE EXISTING ROOF OPENING (ANY TRANSITIONS RESULTING IN REDUCED SIZE OF DUCT (WITH SHAPES AREA) THAN OPENING) IS NOT ACCEPTABLE.
7. B-THICK WOTORIZED DAMPERS INSTALLED ON EXHAUST PLUMB.
8. MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL TRADE FOR INSTALLATION OF WARM LIGHTS AND SERVICE RECEPTACLES WITHIN NEW PLUMB. (N/C. EXCEPT FOR WALK-IN DUCT SECTIONS).
9. STRUCTURAL CONTRACTOR TO INSTALL FULL SIZE ACCESS DOOR, WITH SEALS, WALKABLE TO OPEN FROM INSIDE AND OFF AND TACKS FOR A PRO LOCK.
10. NEW EXHAUST FANS INSTALLED ON STRUCTURAL PLATFORM ABOVE MAIN FINE HOOD WATERSIDE (REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION).
11. EXHAUST DUCT, PROPOSED CORNER (TYPICAL) TO BE RE-ROUTED WITHIN REINFORCED.
12. STRUCTURAL ACCESS PLATFORM (C/F. PLUMB) INSTALLED FOR FAN MAINTENANCE. STRUCTURE, AS WELL AS ACCESS DOOR, SHALL BE STRUCTURALLY SECURED AND SUPPORTED BY STRUCTURAL "H" SUPPORT (SIMILAR TO EXISTING). REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.
13. ALL NEW DUCT MATERIAL, INSULATION AND ALUMINUM JACKING FINISH TO MATCH EXISTING.
14. NEW LOCATION OF RE-ROUTING FINE HOODS, STRUCTURAL STEEL, FOR NEW FAN SET AND EXHAUST FANS, SHALL BE STRUCTURALLY SECURED AND SUPPORTED BY STRUCTURAL "H" SUPPORT (SIMILAR TO EXISTING). REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.
15. PROVIDE TEMPORARY CAP ON NEW PLUMB AT END OF PHASE 1 WORK FOR TESTING NEW FAN SET. REMOVE FOR PHASE 2 WORK.
16. PROVIDE TEMPORARY CAP ON NEW PLUMB AT END OF PHASE 2 WORK FOR TESTING NEW FAN SET. REMOVE FOR PHASE 3 WORK.
17. RE-WORK EXISTING MAIN INSULATION AND JACKING AS REQUIRED AFTER NEW FINE HOOD HAVE BEEN CONNECTED.
18. WARM LIGHTS BY PHASE 2B (N/C. EXCEPT FOR WALK-IN DUCT SECTIONS).
19. PROVIDE TEMPORARY CAP ON NEW PLUMB AT END OF PHASE 1 WORK FOR TESTING NEW FAN SET. REMOVE FOR PHASE 2 WORK.
20. PROVIDE TEMPORARY CAP ON NEW PLUMB AT END OF PHASE 2 WORK FOR TESTING NEW FAN SET. REMOVE FOR PHASE 3 WORK.
21. INSULATING SECTION OF PLUMB FOR PHASE 3.
22. 250 CONCRETE DOWN LINE COMPLETE WITH 100mm DEEP SEAL, P-TYPE.
23. PHASE 1 WORK INCLUDES FINE HOOD DUCT INSTALLATION, STRUCTURAL STEEL, FOR NEW FAN SET AND EXHAUST FANS, SHALL BE STRUCTURALLY SECURED AND SUPPORTED BY STRUCTURAL "H" SUPPORT (SIMILAR TO EXISTING). REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.
24. PHASE 2 WORK INCLUDES STRUCTURAL STEEL FOR EXHAUST PLUMB SUPPORT, INSULATION OF THE GENERAL EXHAUST CONTROL DAMPER AND THE REMAINING SECTION OF EXHAUST PLUMB. RE-CONCRETE.
25. PHASE 3 WORK INCLUDES INSULATION OF REMAINING STRUCTURAL STEEL FOR EXHAUST PLUMB SUPPORT, INSULATION OF THE GENERAL EXHAUST CONTROL DAMPER AND THE REMAINING SECTION OF EXHAUST PLUMB. RE-CONCRETE.
26. GIVE ACCESS ANTICIPATED TO BE FROM THE NORTH SIDE OF THE BUILDING. SEE SITE PLAN. SOIL IS SANDY AND REQUIRED BEFORE SUBMITTING BID.
27. BRANCH SERVING ACTIVE FINE HOOD 3446, REMAINING TWO BRANCHES DESCRIBED BY DRAWING NOTE 16 ARE FOR SUPPORT NISSE DUCT FOR WALK-IN PROVISION. REFER TO DETAIL ON THIS DRAWING.