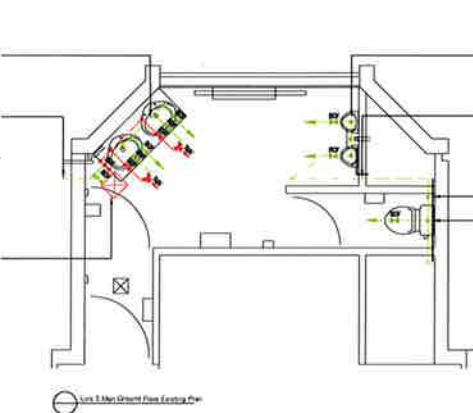


EXISTING CWS PIPEWORK AT LOW LEVEL TO WASH HAND BASINS TO BE ISOLATED, DRAINED DOWN AND MADE GOOD TO EXTEND TO NEW WASH HAND BASINS.

EXISTING CWS PIPEWORK TO BE EXTENDED TO NEW WASH HAND BASINS. ALL PIPEWORK AT LOW LEVEL TO BE CONCEALED BEHIND DRY LINING.

WATER HEATER LOCATED UNDER VANITY UNIT TO BE ISOLATED, DRAINED DOWN AND MADE GOOD TO BE RELOCATED ELSEWHERE IN THE ROOM. CONTRACTOR TO CONFIRM EXISTING UNIT CONDITION ON SITE.



EXISTING CWS PIPEWORK TO URINALS TO BE ISOLATED, DRAINED DOWN, STRIPPED OUT AND DISPOSED OFF. ANY DEAD LEGS TO BE REDUCED TO A MINIMUM.

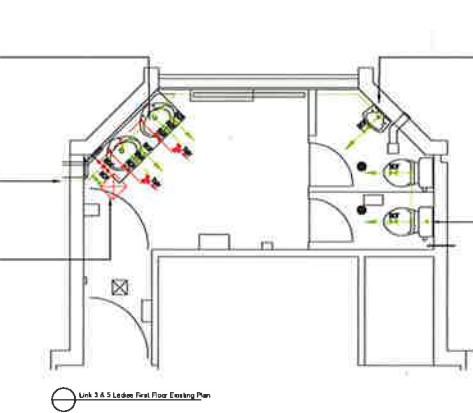
CWS PIPEWORK PENETRATES WALL. 15# CWS DROPS FROM HIGH LEVEL TO LOW LEVEL CONCEALED BEHIND WALL.

EXISTING CWS PIPEWORK TO WC TO BE ISOLATED, DRAINED DOWN AND MADE GOOD TO EXTEND TO NEW WC'S. ALL PIPEWORK TO BE CONCEALED BEHIND DUCT PANELLING.

EXISTING CWS PIPEWORK AT LOW LEVEL TO WASH HAND BASINS TO BE ISOLATED, DRAINED DOWN AND MADE GOOD TO EXTEND TO NEW WASH HAND BASINS.

EXISTING CWS PIPEWORK TO BE EXTENDED TO NEW WASH HAND BASINS. ALL PIPEWORK AT LOW LEVEL TO BE CONCEALED BEHIND DRY LINING.

WATER HEATER LOCATED UNDER VANITY UNIT TO BE ISOLATED, DRAINED DOWN AND MADE GOOD TO BE RELOCATED ELSEWHERE IN THE ROOM. CONTRACTOR TO CONFIRM EXISTING UNIT CONDITION ON SITE.



EXISTING CWS PIPEWORK TO WASH HAND BASIN TO BE ISOLATED, DRAINED DOWN, STRIPPED OUT AND DISPOSED OFF. ANY DEAD LEGS TO BE REDUCED TO A MINIMUM.

EXISTING CWS PIPEWORK TO WC TO BE ISOLATED, DRAINED DOWN AND MADE GOOD TO EXTEND TO NEW WC'S. ALL PIPEWORK TO BE CONCEALED BEHIND DUCT PANELLING.

EXISTING CWS PIPEWORK AT LOW LEVEL TO WASH HAND BASINS TO BE ISOLATED, DRAINED DOWN AND MADE GOOD TO EXTEND TO NEW WASH HAND BASINS.

EXISTING CWS & HWS PIPEWORK DROPS FROM HIGH LEVEL TO LOW LEVEL. CWS PIPEWORK TO BE EXTENDED TO NEW WASH HAND BASINS. ALL PIPEWORK AT LOW LEVEL TO BE CONCEALED BEHIND DRY LINING TO EXISTING WALLS.

CWS & HWS PIPEWORK FROM WATER HEATER TO BE ISOLATED, DRAINED DOWN, STRIPPED OUT AND DISPOSED OFF.

WATER HEATER ASSUMED TO BE LOCATED IN CEILING VOID TO BE ISOLATED, DRAINED DOWN AND MADE GOOD TO BE RELOCATED ELSEWHERE IN THE ROOM. CONTRACTOR TO CONFIRM EXISTING UNIT CONDITION ON SITE.



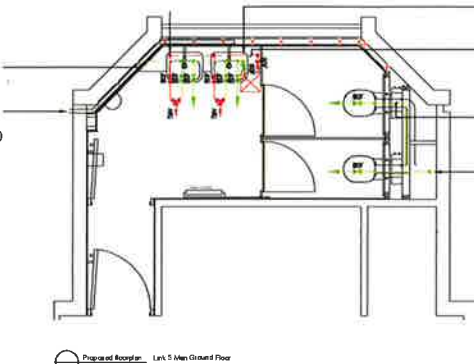
EXISTING CWS PIPEWORK TO URINALS TO BE ISOLATED, DRAINED DOWN, STRIPPED OUT AND DISPOSED OFF. ANY DEAD LEGS TO BE REDUCED TO A MINIMUM.

CWS PIPEWORK PENETRATES WALL. 15# CWS DROPS FROM HIGH LEVEL TO LOW LEVEL CONCEALED BEHIND WALL.

EXISTING CWS PIPEWORK TO WC TO BE ISOLATED, DRAINED DOWN AND MADE GOOD TO EXTEND TO NEW WC'S. ALL PIPEWORK TO BE BOXED IN BEHIND DUCT PANELLING.

15# CWS F CONCEALED BEHIND DRY LINING.

EXISTING CWS PIPEWORK TO BE EXTENDED TO NEW WASH HAND BASINS. ALL PIPEWORK AT LOW LEVEL TO BE CONCEALED BEHIND DRY LINING.



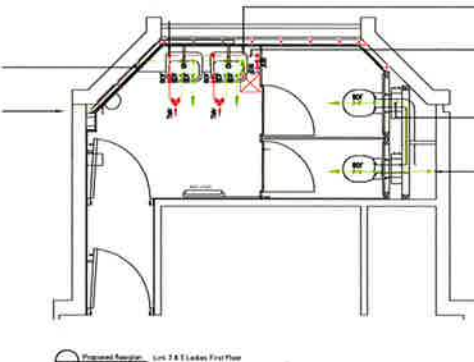
INSTANTANEOUS HOT WATER HEATER TO BE WALL MOUNTED AND RELOCATED UNDER NEW VANITY UNIT TO SERVE WASH HAND BASINS IN EACH WC. ALLOW FOR NEW UNIT TO BE INSTALLED.

15# HWS F CONCEALED AT LOW LEVEL BEHIND DRY LINING TO EXISTING WALLS.

15# CWS F BOXED IN AT LOW LEVEL CONCEALED BEHIND DRY LINING TO EXISTING WALLS. EXISTING CWS PIPEWORK AT LOW LEVEL TO BE EXTENDED TO NEW WC'S. ALL PIPEWORK TO BE CONCEALED BEHIND DUCT PANELLING.

15# CWS F CONCEALED BEHIND DRY LINING.

EXISTING CWS PIPEWORK TO BE EXTENDED TO NEW WASH HAND BASINS. ALL PIPEWORK AT LOW LEVEL TO BE CONCEALED BEHIND DRY LINING.



INSTANTANEOUS HOT WATER HEATER TO BE WALL MOUNTED AND RELOCATED UNDER NEW VANITY UNIT TO SERVE WASH HAND BASINS IN EACH WC. ALLOW FOR NEW UNIT TO BE INSTALLED.

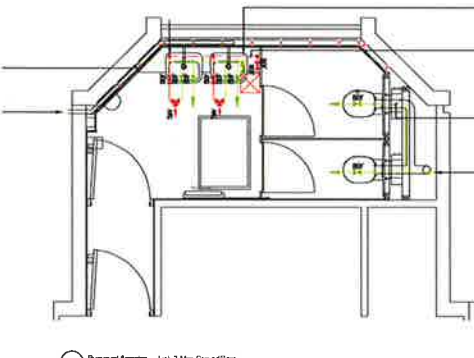
15# HWS F CONCEALED BEHIND VANITY UNIT.

15# CWS F CONCEALED BEHIND DRY LINING.

EXISTING CWS PIPEWORK AT LOW LEVEL TO BE EXTENDED TO NEW WC'S. ALL PIPEWORK TO BE CONCEALED BEHIND DUCT PANELLING.

15# CWS F CONCEALED BEHIND DRY LINING.

EXISTING CWS PIPEWORK TO BE EXTENDED TO NEW WASH HAND BASINS. ALL PIPEWORK AT LOW LEVEL TO BE CONCEALED BEHIND DRY LINING.



INSTANTANEOUS HOT WATER HEATER TO BE WALL MOUNTED AND RELOCATED UNDER NEW VANITY UNIT TO SERVE WASH HAND BASINS. CONTRACTOR TO CONFIRM. ALLOW FOR NEW UNIT TO BE INSTALLED.

15# HWS F CONCEALED BEHIND VANITY UNIT.

15# CWS F CONCEALED BEHIND DRY LINING.

EXISTING CWS PIPEWORK AT LOW LEVEL TO BE EXTENDED TO NEW WC'S. ALL PIPEWORK TO BE CONCEALED BEHIND DUCT PANELLING.

- LEGEND:
- HWS F - HOT WATER SERVICE FLOW.
 - CWS - COLD WATER SERVICE.
 - BOF - BALL-O-FIX ISOLATION VALVE.
 - TMV - THERMOSTATIC MIXING VALVE.

- High Level PIPEWORK
- Low Level PIPEWORK
- Low Level PIPEWORK - CONCEALED.
- CWS
- HWS

- NOTE:
1. SCALED DIMENSIONS MUST NOT BE TAKEN FROM THIS DRAWING.
 2. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS, DOCUMENTS & INFORMATION.
 3. ANY DISCREPANCY ON THIS DRAWING MUST BE REFERRED TO THE ENGINEER & CLARIFICATION OBTAINED BEFORE COMMENCEMENT OF WORK.
 4. ALL DIMENSIONS MUST BE CHECKED ON SITE BEFORE THE COMMENCEMENT OF WORK OR THE PREPARATION OF SPECIALISTS.
 5. THESE DRAWINGS SHALL BE USED BY THE MECHANICAL CONTRACTOR FOR TENDERING PURPOSES ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE WORKING DRAWINGS AS DETAILED IN THE SPECIFICATION.
 6. ALL THERMOSTATIC MIXING VALVES TO BE COMPLETE WITH ISOLATING VALVES AND STRAINERS.
 7. THE MECHANICAL CONTRACTOR IS TO INSTALL WATER HEATER PRESSURE RELIEF VALVES AND CONNECT TO A DRAIN. THE FINAL LOCATION IN DRAIN TO BE COORDINATED WITH DRAINAGE CONTRACTOR.
 8. THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE DURING THE TENDER PERIOD TO ASCERTAIN CONDITIONS AND TO SATISFY THEMSELVES AS TO THE ACCESSIBILITY OF THE SITE, THE FULL EXTENT AND CHARACTER OF THE SITE, THE AVAILABILITY OF THE WORKS AND OF ALL-LOCAL CONDITIONS AND RESTRICTIONS.
 9. NO EXISTING SERVICES DRAWINGS WERE AVAILABLE DURING DESIGN - CONCEALED SERVICES HAVE BEEN ASSUMED AND WILL NEED TO BE CONFIRMED ON SITE.

ALL CAD DATA IS ISSUED FOR REFERENCE PURPOSES ONLY TO ASSIST IN THE COORDINATION OF WORKS AND IS SUPPLEMENTARY TO THE FORMALLY ISSUED HARD COPY CONTRACT DRAWINGS. THE CAD DATA IS PROVIDED 'AS IS' WITHOUT WARRANTY OF ANY KIND.

IN ALL INSTANCES THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL DIMENSIONS AND INFORMATION AGAINST THE CONTRACT DOCUMENTATION.

IF CAD DATA FROM THIS DRAWING IS INTRODUCED INTO THE CONTRACTOR OR SUB-CONTRACTOR'S OWN CAD OR OTHER SYSTEM, PARSONS BRINCKERHOFF LTD CAN TAKE NO RESPONSIBILITY FOR ITS ACCURACY.

IN NO EVENT SHALL PARSONS BRINCKERHOFF LTD BE LIABLE FOR ANY LOSS OR DAMAGE HOWSOEVER CAUSED AND HOWSOEVER ARISING AS A RESULT OF IT'S IN FUNCTION WITH THE IKT OR MISUSE OF THE CAD DATA SUPPLIED.

FOR ALL CAD DATA PROVIDED ELECTRONICALLY, PARSONS BRINCKERHOFF LTD ACCEPTS NO RESPONSIBILITY FOR ANY VIRUS TRANSMISSION OR ANY FAILURE ON THE PART OF THE END USER IN HAVING ADEQUATE VIRUS CHECKING SOFTWARE INSTALLED.

HARD COPY REFERS TO PAPER PRINTS, OR 'FIXED' ELECTRONIC VERSIONS SUCH AS ADOBE PDF OR AUTOCAD DWG.

TENDER	
Client: CENTRE FOR ECOLOGY AND HYDROLOGY	
Site/Project: CEH WALLINGFORD WASHROOM REFURBISHMENT	
Title: DOMESTIC HOT AND COLD WATER SERVICES LAYOUT	
Drawn: []	Checked: []
Designed: []	Approved: []
Date: 23/04/2015	Scale: 1:50 A1 Sheet: 1 OF 1
Project Number: []	Drawing Number: []
ML(53)01	