

LEGEND

-  ELECTRICAL SERVICES SWITCHBOARD.
-  SWITCHBOARD / CONTROL PANEL NOT PROVIDED AS PART OF THE ELECTRICAL SUBCONTRACT.
-  SINGLE POWER OUTLET.
-  DOUBLE POWER OUTLET.
-  DOUBLE POWER OUTLET C/W INTEGRAL USB.
-  SPECIAL PURPOSE POWER OUTLET.
-  SINGLE PHASE ISOLATOR.
-  THREE PHASE ISOLATOR.
-  JUNCTION BOX / CONNECTION AS NOTED.
-  CONDUIT ROUTE.
-  ELECTRICAL PIT, TYPE AS NOTED.
-  ELECTRICAL FLOOR BOX, TYPE AS NOTED.
-  HAND DRYER CONNECTION.
-  LIGHTING PRESENCE DETECTOR SWITCH.
-  LIGHTING CONTROL SWITCH PANEL, TYPE AS NOTED.
-  ONE-WAY LIGHT SWITCH.
-  TWO-WAY LIGHT SWITCH.
-  CIRCUIT LINE.
-  SWITCH LINE.
-  POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.
-  LIGHTING CONTROL CHANNEL REFERENCE.
-  ELECTRICAL EQUIPMENT AS NOTED.
-  BACKBOARD MOTOR.
-  BACKBOARD CONTROLLER.
-  RJ45 COMMUNICATIONS OUTLET.
-  FIBRE CABLE.
-  ACCESS CONTROL CARD READER.
-  ACCESS CONTROL DOOR ELECTRIC STRIKE, TYPE AS NOTED.
-  ACCESS CONTROL LIFT INTERFACE MODULE.
-  ACCESS CONTROL ROLLER SHUTTER DOOR INTERFACE.
-  ACCESS CONTROL DOOR REED SWITCH.
-  SECURITY DATA GATHERING PANEL.
-  SECURITY KEY PANEL.
-  SECURITY DIRECTIONAL MOTION DETECTOR.
-  SECURITY PIEZO SIREN.
-  SCHOOL BELL HORN / HOOTER.
-  SCHOOL BELL MULTI-TAP CONE RECESSED SPEAKER.
-  SCHOOL BELL MULTI-TAP CONE SURFACE SPEAKER.
-  SCHOOL WALL CLOCK.

LEGEND

-  FIRE ALARM STROBE.
-  FIRE EVACUATION RECESSED SPEAKER.
-  FIRE EVACUATION SURFACE SPEAKER.
-  FIRE INDICATOR PANEL.
-  FIRE DOOR INTERFACE.
-  THERMAL DETECTOR.
-  MANUAL CALL POINT.
-  SMOKE DETECTOR.
-  CONCEALED SMOKE DETECTOR.
-  FUSE.
-  SINGLE PHASE.
-  THREE PHASE.
-  CURRENT TRANSFORMER C/W REMOVABLE LINK.
-  FUSE LINK.
-  COMBINED FUSE SWITCH.
-  CIRCUIT BREAKER.
-  ISOLATOR.
-  RESIDUAL CURRENT DEVICE.
-  CONTACTOR – NORMALLY OPEN.
-  CONTACTOR – NORMALLY CLOSED.
-  REFER TO DETAIL NOTED FOR THE AREA SHOWN HATCHED. ADDITIONAL OUTLETS & FITTINGS MAY BE SHOWN ON DETAIL.
-  E1: RECESSED NON-MAINTAINED LED EMERGENCY LIGHT, WHITE.
-  E2: RECESSED NON-MAINTAINED LED EMERGENCY LIGHT, BLACK.
-  E3: SURFACE NON-MAINTAINED LED EMERGENCY LIGHT, WHITE.
-  EX: EMERGENCY LED EXIT LIGHT.
-  Lx: LIGHT FITTING C/W NON-MAINTAINED EMERGENCY BATTERY PACK. TYPE AS NOTED.
-  L1: 600 x 600 T-BAR MOUNTED FLAT PANEL.
-  L2: 600 x 600 PLASTERBOARD MOUNTED FLAT PANEL.
-  L3: OVERHEAD CUPBOARD LED STRIP LIGHT.
-  L4: CIRCULATION RECESSED DOWNLIGHT, WHITE.
-  L5: BREAKOUT RECESSED DOWNLIGHT, WHITE.
-  L6: AMENITY RECESSED DOWNLIGHT, WHITE.
-  L7: BREAKOUT RECESSED DOWNLIGHT, BLACK.
-  L8: RECESSED DIMMABLE DOWNLIGHT, BLACK.
-  L9: FORUM RECESSED DIMMABLE DOWNLIGHT, WHITE.
-  L10: FORUM PELMET DIMMABLE LED STRIP LIGHT.
-  L11: BALCONY MEDIUM RECESSED DOWNLIGHT, WHITE.
-  L12: BALCONY LARGE RECESSED DOWNLIGHT, WHITE.

LEGEND

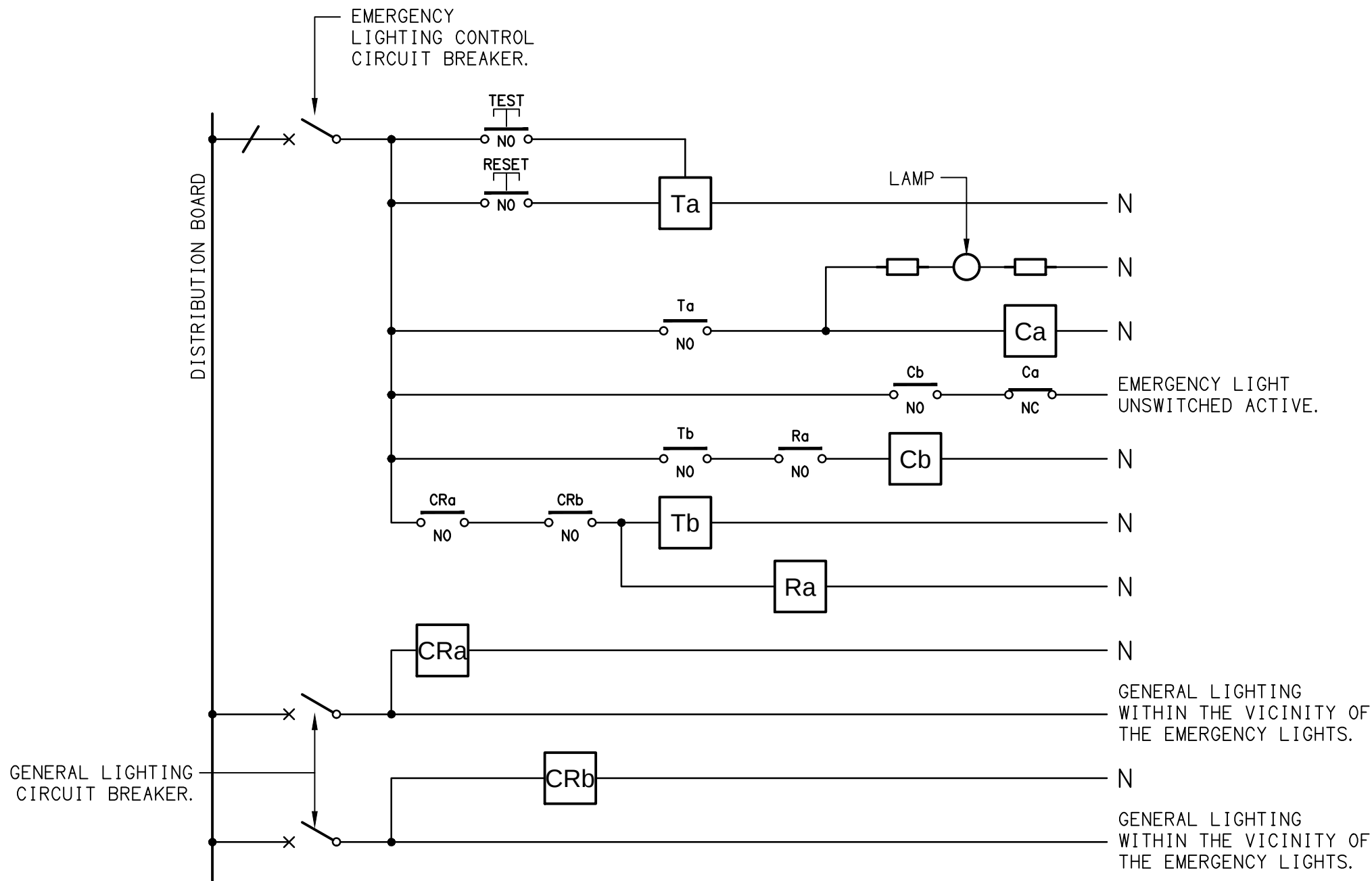
-  L13: SURFACE MOUNTED BUNKER LIGHT, WHITE.
-  L14: EXTERNAL SCREEN LED STRIP LIGHT.
-  L15: 1200 LONG BATTEN C/W INTEGRAL SENSOR.
-  L16: 1200 x 300 PLASTERBOARD FLAT PANEL.
-  L17: 1200 LONG BATTEN, UNSWITCHED C/W NON-MAINTAINED AS2293 EMERGENCY PACK.
-  L18: SURFACE MOUNTED WHITE BUNKER LIGHT.
-  L19: 120W HIGH BAY LIGHT.
-  L20: STAIR TREAD LED STRIP LIGHT.

NOTE

ALL ELECTRICAL PENETRATIONS THROUGH THE ROOF SHEETING ARE TO BE IN LINE WITH THE STRUCTURAL OR MECHANICAL SERVICES PENETRATIONS TO AVOID DEDICATED FLASHINGS FOR THE ELECTRICAL SERVICES.

EQUIPMENT:

- TEST – TEST PUSH BUTTON MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- RESET – RESET PUSH BUTTON MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- LAMP – AMBER TEST INDICATING LAMP MOUNTED ON THE DISTRIBUTION BOARD ESCUTCHEON.
- Ta – ADJUSTABLE 0-3 HOUR TIMED RELAY.
- Tb – 15 MINUTE RUN-ON TIMER TO OPERATE UPON THE RETURN OF MAINS POWER.
- Cx – CONTACTOR x.
- CRx – CONTROL RELAY x.
- Rx – RELAY x.

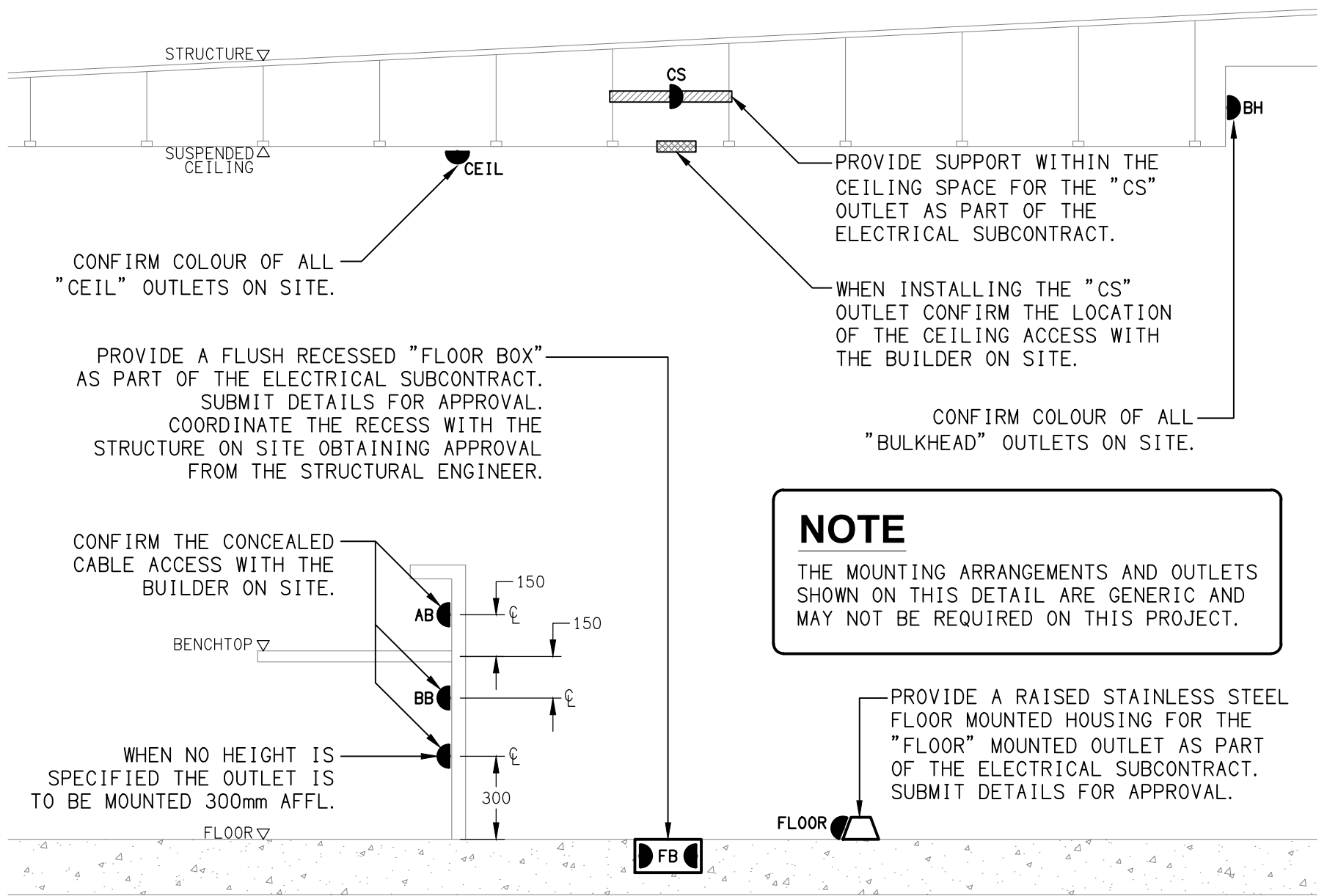


SCHEMATIC

EMERGENCY LIGHTING
NOT TO SCALE

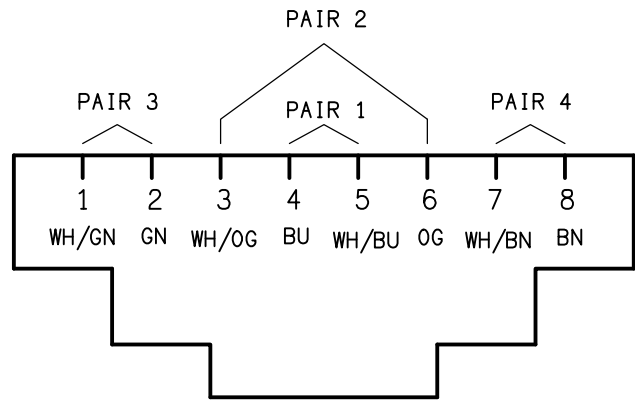
NOTES

- THE EMERGENCY LIGHT UNSWITCHED ACTIVE / GENERAL LIGHTING SWITCHED ACTIVE CIRCUIT ARRANGEMENT AND CONTROL IS TYPICAL FOR ALL CIRCUITS SUPPLYING EMERGENCY LIGHTS.
- PROVIDE ADDITIONAL CONTROL RELAYS (CRx) CONFIGURED AS PER CRa AND CRb FOR ALL ADDITIONAL LIGHTING CIRCUITS THAT SUPPLY LIGHTS IN THE VICINITY OF THE EMERGENCY LIGHTS.



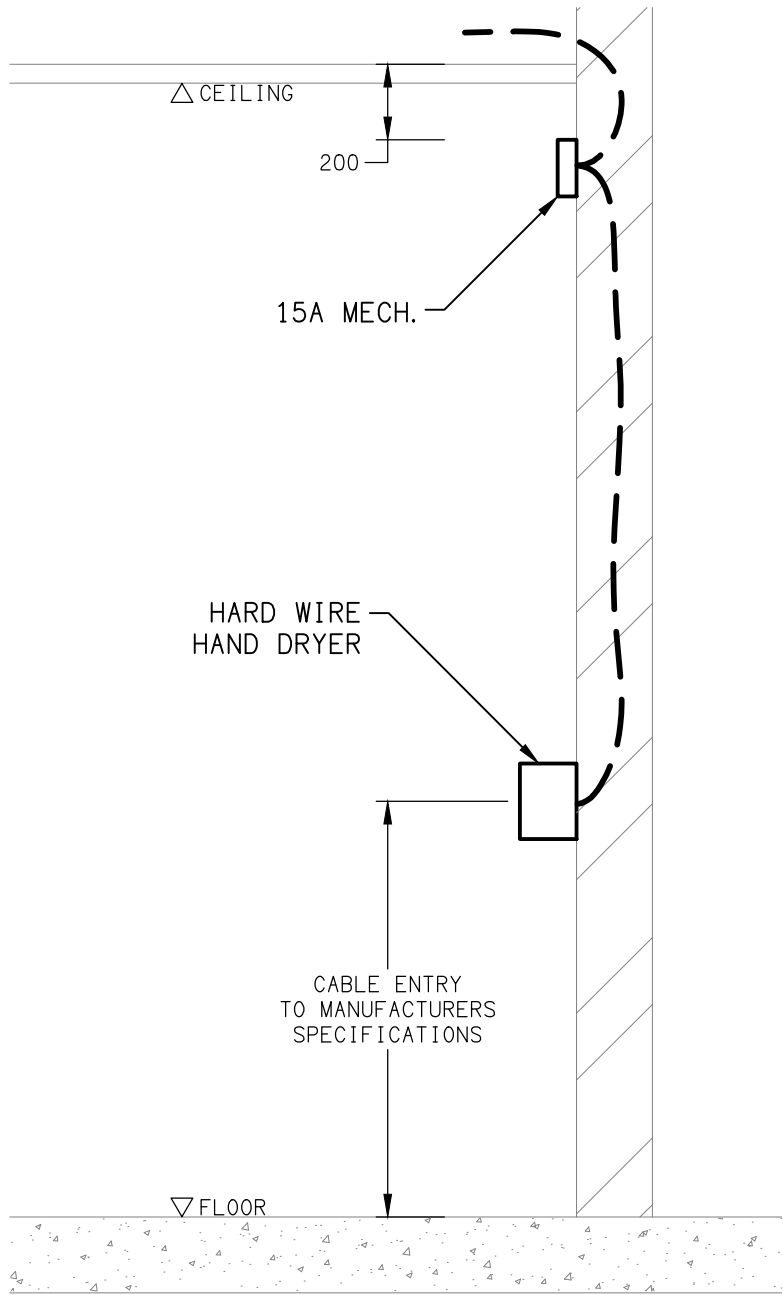
DETAIL

TYPICAL OUTLET MOUNTINGS
NOT TO SCALE



SCHEMATIC

RJ45 PINOUT CONFIGURATION
NOT TO SCALE



DETAIL

HAND DRYER CONNECTION
NOT TO SCALE