



# PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS TENDER 24-7540-RFT

## DRAWING LIST

### ARCHITECTURAL WARD99 ARCHITECTS INC.

- A0 PROJECT TITLE, DRAWING LIST, PROJECT KEY PLAN AND PROJECT INFORMATION AND LEGEND
- A1.1 EXISTING SITE MOBILIZATION PLAN, LEGEND, NOTES AND DETAILS
- A2.0 GROUND FLOOR KEY PLAN, DETAILS AND CONSTRUCTION ASSEMBLIES LEGEND AND NOTES
- A2.1 PARTIAL GROUND FLOOR PLANS DEMOLITION AND PROPOSED, LEGEND AND NOTES
- A2.2 PARTIAL GROUND FLOOR REFLECTED CEILING PLAN DEMOLITION AND PROPOSED, LEGEND AND NOTES
- A3.1 INTERIOR ELEVATIONS AND DETAILS
- A3.2 ENLARGED WASHROOM FLOOR PLANS, DETAILS AND INTERIOR ELEVATIONS AND BUILDING SECTIONS
- A4.1 MILLWORK PLAN AND MILLWORK ELEVATIONS
- A4.2 MILLWORK SECTIONS AND DETAILS
- A5.1 ROOM FINISH SCHEDULE, DOOR & HARDWARE SCHEDULE, DOOR & FRAME ELEVATION TYPES AND DOOR DETAILS
- A5.2 PARTIAL PROPOSED GROUND FLOOR FINISH PLANS, NOTES AND LEGEND.

### STRUCTURAL VX ENGINEERING INC.

- S-1 PART EXISTING SLAB ON GRADE PLAN AND DETAILS
- S-2 PART EXISTING ROOF FRAMING PLAN
- S-3 GENERAL NOTES

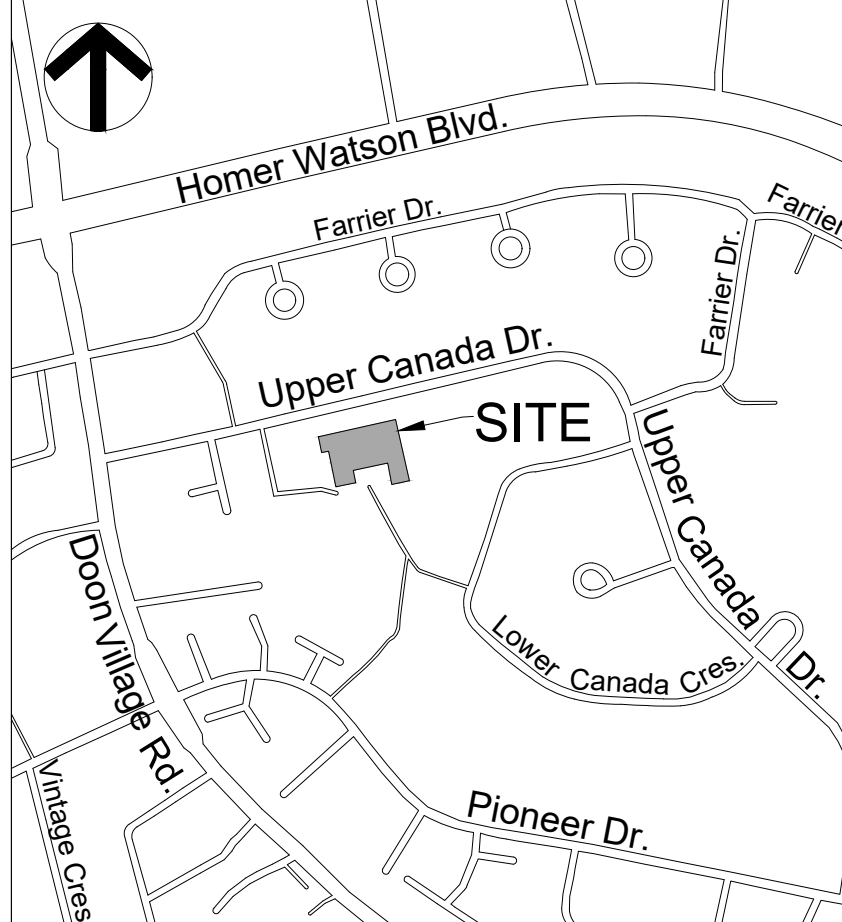
### MECHANICAL QUASAR CONSULTING GROUP

- M001 MECHANICAL LEGEND AND DRAWING LIST
- M101 PARTIAL GROUND FLOOR DEMOLITION PLAN
- M201 PARTIAL GROUND FLOOR NEW WORK
- M401 MECHANICAL DETAILS & CONTROL SEQUENCES
- M501 MECHANICAL SCHEDULES

### ELECTRICAL QUASAR CONSULTING GROUP

- E001 ELECTRICAL LEGEND, SHEET LIST, AND KEY PLANS
- E101 GROUND FLOOR DEMOLITION PLANS - ELECTRICAL
- E201 GROUND FLOOR NEW WORK PLANS - ELECTRICAL
- E202 GROUND FLOOR FIRE ALARM PLAN
- E301 ELECTRICAL SCHEDULES
- E302 ELECTRICAL DETAIL SHEET NO. 1
- E303 ELECTRICAL DETAIL SHEET NO. 2

## PROJECT KEY PLAN



CLOSEST MAIN STREET INTERSECTION:  
UPPER CANADA DR. AND DOON VILLAGE RD.

## PROJECT INFORMATION

PROJECT TITLE:  
PIONEER PARK PUBLIC SCHOOL RENOVATIONS  
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT ADDRESS:  
55 UPPER CANADA DR., KITCHENER, ON N2P 1G2

OWNER:  
WATERLOO REGION DISTRICT SCHOOL BOARD

OWNER'S CONTACT INFORMATION:  
51 ARDELT AVENUE, KITCHENER, ON N2C 2R5

CONSULTANT:  
ward99 architects inc.

CONSULTANT'S CONTACT INFORMATION:  
7500 HIGHWAY 27 UNIT 27B  
VAUGHAN ON L4H 0J2  
TEL: 416-613-5880  
EMAIL: INFO@WARD99ARCHITECTS.COM

## DRAWING TAGS LEGEND NOTES

- ROOM NAME 1**  
REFERS TO ROOM NAME
- B101**  
REFERS TO ROOM NUMBER
- AREA m2**  
REFERS TO AREA IN m<sup>2</sup>
- OL-OOP**  
REFERS TO OCCUPANT LOAD
- DETAIL TAG:** DETAIL NUMBER / DRAWING NUMBER
- INTERIOR ELEVATION TAG:** INTERIOR ELEVATION DETAIL NUMBER / DRAWING NUMBER
- BUILDING ELEVATION TAG:** BUILDING ELEVATION DETAIL NUMBER / DRAWING NUMBER
- BUILDING / WALL SECTION TAG:** SECTION DETAIL NUMBER / DRAWING NUMBER
- PARTITION CONSTRUCTION TAG:** REFER TO CONSTRUCTION LEGEND ON DRAWING A2.0.
- CEILING CONSTRUCTION TAG:** REFER TO CONSTRUCTION LEGEND ON DRAWING A2.0.
- FLOOR CONSTRUCTION TAG:** REFER TO CONSTRUCTION LEGEND ON DRAWING A2.0.
- REFERS TO DOOR NUMBER:** REFER TO DRAWING A5.1 FOR DOOR HARDWARE SCHEDULE AND DRAWING A4/A5.1 AND 5/A5.1 FOR DOOR AND FRAME ELEVATION TYPES.
- REFERS TO HOLLOW METAL FRAMED SCREEN:** REFER TO HOLLOW METAL FRAMED SCREEN SCHEDULE ON DRAWING 6/A5.1 FOR SCREEN ELEVATION TYPES.

**Name of Practice:**  
ward99 architects inc.  
7500 Hwy 27, Unit No.27B, Vaughan, ON L4H 0J2  
Telephone: 416-613-5880

**Name of Project:**  
PIONEER PARK PUBLIC SCHOOL RENOVATIONS  
WATERLOO REGION DISTRICT SCHOOL BOARD  
Waterloo Region District School Board

**Location:** 55 UPPER CANADA DR., KITCHENER, ON N2P 1G2

| Ontario 2012 Building Code Data Matrix<br>Part 11 - Renovation of Existing Building |  | Building Code Reference   |
|---|--|---|
| 11.0 Building Code Version:   | O. Reg. 332/12 Last Amendment: O. Reg. 191/14  |   |
| 11.01 Project Type:   | <input type="checkbox"/> Addition <input checked="" type="checkbox"/> Renovation <input type="checkbox"/> Addition and Renovation<br><input type="checkbox"/> Change of use<br>Description: Renovation to the existing one storey school building change room area to provide new storage rooms, resource room, sensory room, barrier-free washroom, and staff washroom. Area of renovation is 340m <sup>2</sup> .   | [A]-1.2   |
| 11.02 Major Occupancy Classification:   | Occupancy Use: "Closest Classification": Elementary School<br>*Group A, Division 2, up to 2 Storeys, Increased Area, Sprinklered<br>O.B.C. 3.2.2.26  | 3.1.2.1.(1)   |
| 11.03 Superimposed Major Occupancies:   | <input type="checkbox"/> No <input type="checkbox"/> Yes<br>Description:   | 3.2.2.7   |
| 11.04 Building Area (m <sup>2</sup> ):  | Description: Building Area (m <sup>2</sup> ): Existing 2870.80 m <sup>2</sup> New 0 m <sup>2</sup> Total 2870.80 m <sup>2</sup><br>0 Storey Below Grade  | [A]-4.1.2   |
| 11.05 Building Height:  | 1 Storey Above Grade 8.89 (m) Above Grade (a gymnasium).<br>0 Storey Below Grade   | [A]-4.1.2 & 3.2.1.1.  |
| 11.06 Number of Streets/ Firefighter Access:  | 1 Street(s)  | 3.2.2.10. & 3.2.5.  |
| 11.07 Building Size:  | <input type="checkbox"/> Small <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Large <input type="checkbox"/> >Large   | T.11.2.1.1.B.-N.  |
| 11.08 Existing Building Classification:   | Change in Major Occupancy: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not Applicable (no change of major occupancy)<br>Construction Index: 4<br>Hazard Index: 4<br>Importance Category: <input type="checkbox"/> Low <input type="checkbox"/> Normal <input checked="" type="checkbox"/> High <input type="checkbox"/> Post-disaster<br>*Building is an elementary school.   | 11.2.1.1.<br>T.11.2.1.1.A.<br>T.11.2.1.1.B TO N<br>4.2.1.(3)<br>5.2.2.1.(2) |
| 11.09 Renovation Type:  | <input type="checkbox"/> Basic Renovation <input checked="" type="checkbox"/> Extensive Renovation   | 11.3.3.1.<br>11.3.3.2.<br>3.1.17.1  |
| 11.10 Occupant Load:  | *No change to occupant load.   |   |
| 11.11 Plumbing Fixture Requirement:   | Ratio: MF = 1/1 Except as otherwise noted.<br>* Refer to notes below   | T.3.7.4.3.A.<br>3.7.4.3.(1)   |
| 11.12 Barrier-free Design:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Explanation: renovation complies with OBC 3.8.   | 11.3.3.2 (2)  |
| 11.13 Reduction in Performance Level:   | Structural: <input type="checkbox"/> No <input type="checkbox"/> Yes<br>Increase in Occupant Load: <input type="checkbox"/> No <input type="checkbox"/> Yes<br>Change of Major Occupancy: <input type="checkbox"/> No <input type="checkbox"/> Yes<br>Plumbing: <input type="checkbox"/> No <input type="checkbox"/> Yes<br>Sewage-System: <input type="checkbox"/> No <input type="checkbox"/> Yes<br>Extension of combustible construction: <input type="checkbox"/> No <input type="checkbox"/> Yes   | 11.4.2.1<br>11.4.2.2<br>11.4.2.3<br>11.4.2.5<br>11.4.3.6                    |
| 11.14 Compensating Construction:  | <input type="checkbox"/> No <input type="checkbox"/> Yes<br>Structural: <input type="checkbox"/> No <input type="checkbox"/> Yes (explain)<br>Increase in Occupant Load: <input type="checkbox"/> No <input type="checkbox"/> Yes (explain)<br>Change of Major Occupancy: <input type="checkbox"/> No <input type="checkbox"/> Yes (explain)<br>Plumbing: <input type="checkbox"/> No <input type="checkbox"/> Yes (explain)<br>Sewage-System: <input type="checkbox"/> No <input type="checkbox"/> Yes (explain)<br>Extension of Combustible Construction: <input type="checkbox"/> No <input type="checkbox"/> Yes (explain)   | 11.4.3.1<br>11.4.3.2<br>11.4.3.3<br>11.4.3.4<br>11.4.2.5<br>11.4.3.6        |
| 11.15 Compliance Alternatives Proposed:   | <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (list numbers and describe)  | 11.5.1  |
| 11.16 General Notes:  | Renovations to the existing one storey sprinklered school building: closest classification is as follows: O.B.C. Classification: 3.2.2.26 Group A, Division 2, up to 2 Storeys, Increased Area, Sprinklered.<br>*The building is permitted to be of non-combustible construction or combustible construction.<br>3.3.2.5.(3) Corridors: The 45 min. fire resistance rating, for the fire separation required at a corridor, in an assembly occupancy, is permitted to be waived if the floor area in which the corridor is located is sprinklered. Note: the existing school is sprinklered and in such a fire resistance rating is not required at corridor walls.<br>*The existing gymnasium interior partitions provide for a 1 hour fire resistance rating. As per the existing base building drawings, a 0 hour fire separation is located at corridor walls. |   |
| Washroom Notes:   | 1. The existing two (2) Staff Washrooms 122, and 123 which are to be demolished are being replaced with new Staff Washroom 128A and Barrier-Free Washroom 128. Therefore Staff washroom fixture count remains the same as existing.<br>2. The existing two (2) Student Washrooms 126C and 127C located in the existing Change Rooms 125 and 127 are to be demolished. These washrooms are not part of the overall student occupancy load as they are only occupied during use of gymnasium and will not affect the overall washroom fixture count. Therefore new washroom fixtures are not required. The existing change rooms and associated washrooms have been abandoned and are being used as storage rooms.   |   |

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| no. | revision | date |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |

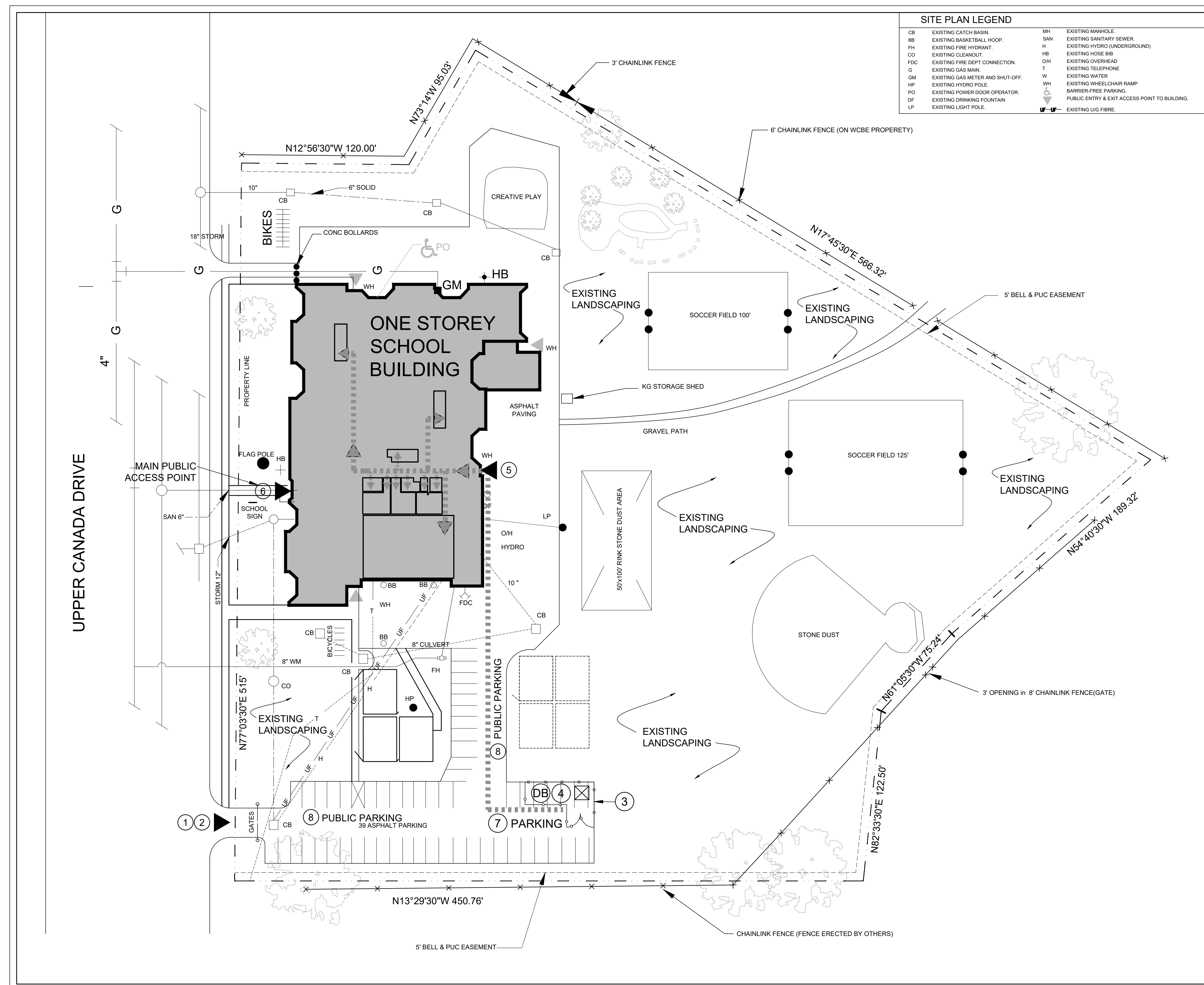
| no. | issue                              | date           |
|-----|------------------------------------|----------------|
| 1.  | Issued for Owner Review            | Dec 5, 2023    |
| 2.  | Issued for Schematic Design Report | Dec 21, 2023   |
| 3.  | Issued for Permit and Tender       | March 22, 2024 |

PROJECT  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
TENDER 24-7540-RFT  
WATERLOO REGION DISTRICT SCHOOL BOARD  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2

N/A  
ward99 project number  
23016 - WRDSB PIONEER PARK

drawing no.  
**A0**

ward99 architects inc.  
7500 Highway 27, Unit 27B  
Vaughan ON L4H 0J2  
info@ward99architects.com  
416-613-5880 www.ward99architects.com



**SITE MOBILIZATION, ACCESS & CONSTRUCTION LEGEND**

REFER TO SITE MOBILIZATION, ACCESS AND CONSTRUCTION NOTES ON DRAWING A1.1.

**ACCESS AND EXIT POINTS OF THE BUILDING**

**PATH TO AREA OF WORK**  
THE GENERAL CONTRACTOR IS TO CLEAN AND CLEAR THE PATH OF WORK (EXTERIOR AND INTERIOR) OF ANY OBSTRUCTION EVERYDAY AFTER WORK IS FINISHED. AFTER COMPLETION OF CONSTRUCTION, PATCH, REPAIR AND MAKE GOOD ALL SURFACES EXTERIOR WALKS, DRIVEWAYS, CURBS AND LANDSCAPING AND INTERIOR CEILING, WALL AND FLOOR FINISHES, DOORS, LIGHT FIXTURES AND OTHER ITEMS DAMAGED DURING CONSTRUCTION.

**TEMPORARY CONSTRUCTION DISPOSAL BIN**  
TEMPORARY CONSTRUCTION DISPOSAL BIN IS TO BE LOCATED WITHIN THE MOBILIZATION AREA AT ALL TIMES. REPAIR AND MAKE GOOD ANY AND ALL EXISTING SURFACES DAMAGED DUE TO THE DELIVERY, PLACEMENT AND REMOVAL OF THE DISPOSAL BIN.

**SITE ENTRY DRIVE**  
DURING CONSTRUCTION, THE EXISTING PUBLIC ENTRY DRIVE IS FOR ACCESS BY WRDSB STAFF AND THE GENERAL CONTRACTOR DURING CONSTRUCTION. THE GENERAL CONTRACTOR IS TO KEEP THIS ACCESS DRIVE FREE FROM DEBRIS AT ALL TIMES. ANY DAMAGE TO THIS DRIVE OR TO THE SITE DUE TO THE OCCUPATION AND USE BY THE GENERAL CONTRACTOR AND SUBCONTRACTORS IS TO BE REPAIRED AND MADE GOOD BEFORE CONSTRUCTION IS COMPLETED.

**DRIVEWAY ACCESS**  
THIS EXISTING DRIVEWAY WILL BE USED BY WRDSB STAFF FOR SCHOOL PARKING ACCESS. THE EXISTING DRIVE WILL ALSO BE USED BY THE GENERAL CONTRACTOR FOR CONSTRUCTION ACCESS TO THE REAR MOBILIZATION AND CONSTRUCTION PARKING AREA. THIS ENTRY DRIVE MUST REMAIN CLEAR AND FREE OF DEBRIS. CONSTRUCTION MATERIALS AND CONSTRUCTION VEHICLES AT ALL TIMES TO ENSURE ACCESS IS AVAILABLE BY STAFF.

**CONSTRUCTION FENCING**  
TEMPORARY CONSTRUCTION FENCING IS TO BE ERECTED BY THE GENERAL CONTRACTOR TO ENCLOSE THE CONSTRUCTION MOBILIZATION AREA AND TO KEEP IT SEPARATE FROM THE SITE AND TO PREVENT PUBLIC ACCESS TO THIS AREA. CONSTRUCTION FENCING IS TO REMAIN ON SITE FOR THE DURATION OF THE CONSTRUCTION. THE GENERAL CONTRACTOR IS TO KEEP THIS AREA ORGANIZED AND FREE FROM DEBRIS AT ALL TIMES. ANY DAMAGE TO THE SITE AREA DUE TO ITS OCCUPATION AND USE BY THE GENERAL CONTRACTOR AND SUBCONTRACTORS IS TO BE REPAIRED AND MADE GOOD BEFORE CONSTRUCTION IS COMPLETED.

**PROVIDE THE FOLLOWING TEMPORARY CONSTRUCTION FENCING:**  
- STURDY, HEAVY-DUTY GALVANIZED CHAIN LINK PANELS AND GATES WITH A MINIMUM HEIGHT OF 6' AND SECURED WITH STURDY STEEL GROUND STANDS AND U-CLAMPS  
- CHAIN LINK PANELS MANUFACTURED BY FAST FENCE INC. OR EQUIVALENT MANUFACTURER THAT CAN PROVIDE THE SAME PRODUCT AS INDICATED.

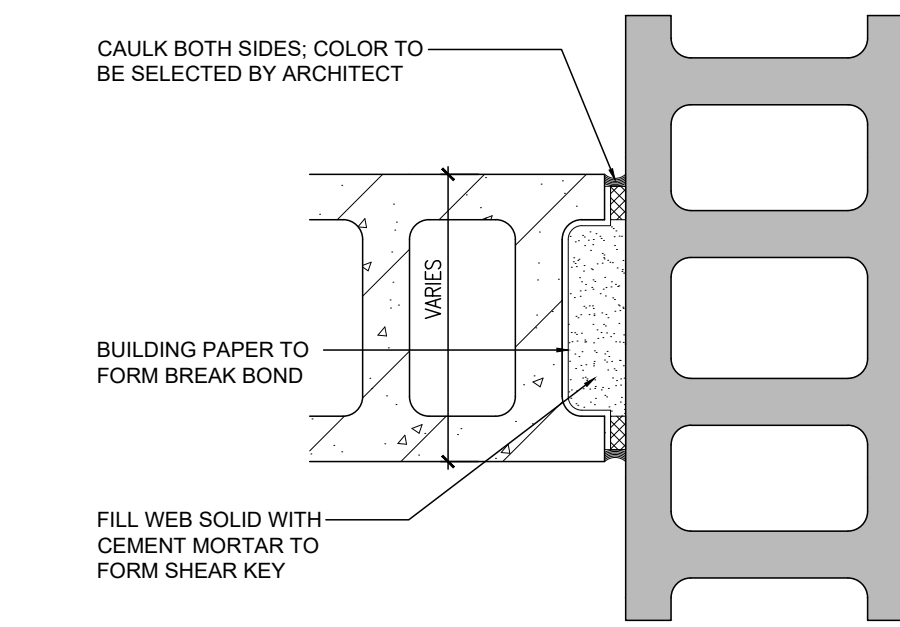
**TEMPORARY CONSTRUCTION MOBILIZATION AREA**  
THIS AREA IS A CONSTRUCTION ZONE FOR USE BY THE GENERAL CONTRACTOR ONLY AS A CONSTRUCTION MOBILIZATION ZONE AND STORAGE FOR LONG-TERM DISPOSAL BINS AND FOR ENCLOSED STORAGE CONTAINERS. THE GENERAL CONTRACTOR IS TO PROVIDE STORAGE CONTAINERS AS REQUIRED TO STORE MATERIALS. THIS AREA IS TO BE ENCLOSED WITH PERIMETER CONSTRUCTION FENCING (SEE NOTE 3). PROVIDE CONSTRUCTION GATES AS REQUIRED TO ACCESS THE MOBILIZATION AREA.

**CONSTRUCTION ACCESS POINT TO THE BUILDING**  
THIS IS THE MAIN PUBLIC ENTRY POINT TO THE SCHOOL BUILDING BY THE GENERAL CONTRACTOR DURING CONSTRUCTION. ANY HEAVY OR LARGE CONSTRUCTION DELIVERIES INTENDED FOR INSTALLATION IN THE BUILDING CAN ENTER THE BUILDING THROUGH THIS MAIN CONTRACTOR ACCESS POINT. CONSTRUCTION ENTRY POINT TO BE CONFIRMED WITH WRDSB STAFF AT TIME OF AWARD OF CONTRACT.

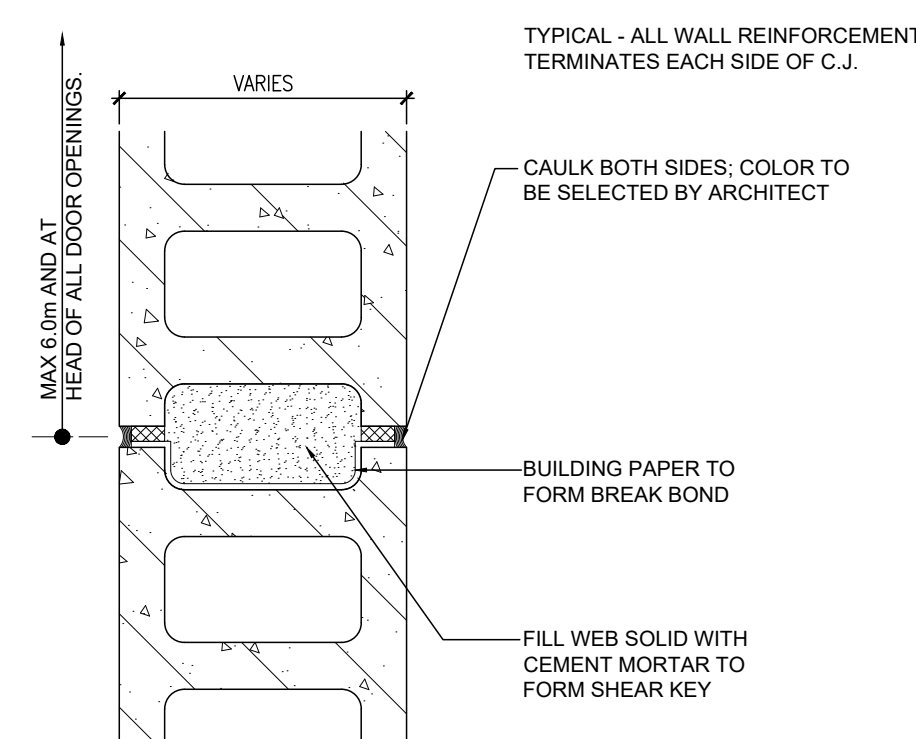
**MAIN PUBLIC ACCESS POINT TO THE BUILDING**  
THIS IS THE MAIN PUBLIC ENTRY POINT TO THE SCHOOL. THIS ACCESS POINT IS FOR USE BY SCHOOL STAFF AND THE PUBLIC. THE GENERAL CONTRACTOR SHALL NOT ACCESS THIS ENTRY POINT FOR CONSTRUCTION USE, UNLESS GIVEN PERMISSION TO DO SO BY WRDSB.

**CONSTRUCTION PARKING AREA**  
THE EXISTING SCHOOL PARKING SPACES TO THE EAST SIDE OF THE PARKING LOT CAN BE UTILIZED BY CONSTRUCTION PERSONNEL. THE GENERAL CONTRACTOR MUST KEEP THIS AREA CLEAR AND FREE FROM DEBRIS AT ALL TIMES.

**PUBLIC PARKING AREA**  
THE EXISTING SCHOOL PARKING SPACES OF THE SCHOOL ARE PUBLIC PARKING SPACES. THESE SPACES CANNOT BE UTILIZED BY CONSTRUCTION PERSONNEL UNLESS PERMISSION TO DO SO IS GIVEN BY WRDSB. THE GENERAL CONTRACTOR MUST KEEP THIS AREA CLEAR AND FREE FROM DEBRIS AT ALL TIMES. WHEN WORK IS OCCURRING DURING SUMMER MONTHS, THE CONTRACTOR CAN UTILIZE THESE PARKING SPACE FOR PARKING OF REGULAR VEHICLE ONLY.

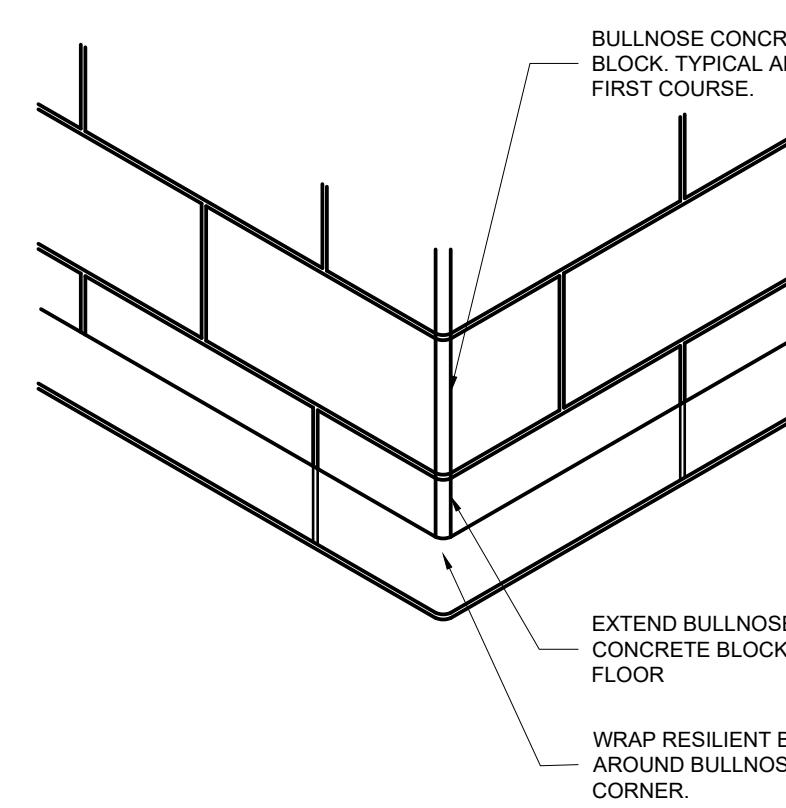


**DETAIL -B- TYPICAL CONTROL JOINT AT NEW INTERIOR MASONRY WALL & EXISTING MASONRY WALL JUNCTION**

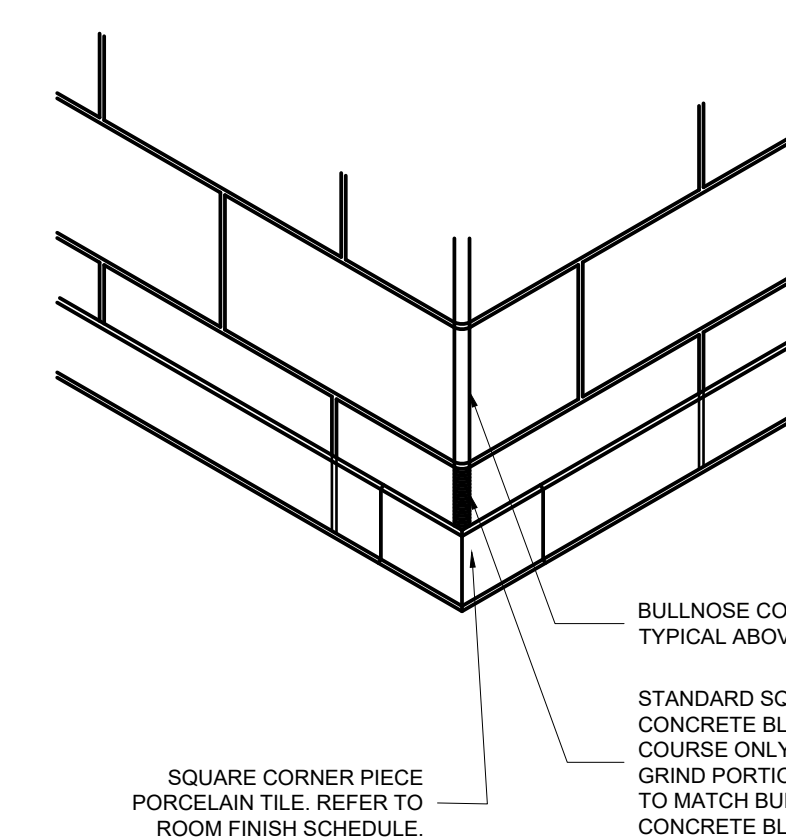


**DETAIL -A- TYPICAL CONTROL JOINT AT NEW INTERIOR MASONRY WALL**

**5 TYPICAL CONTROL JOINT DETAIL**  
A1.1 1:5



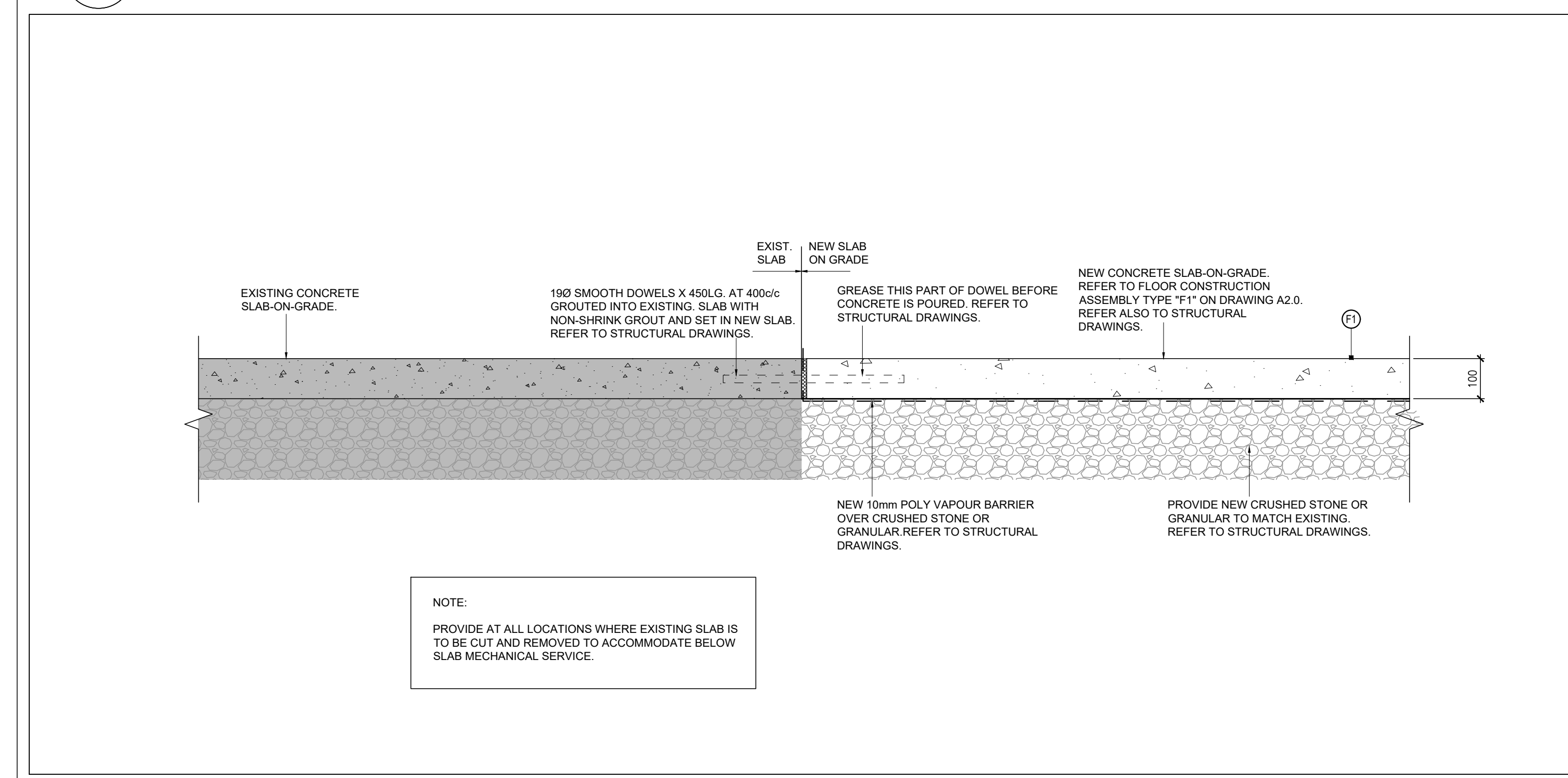
**DETAIL AT RESILIENT RUBBER BASE**



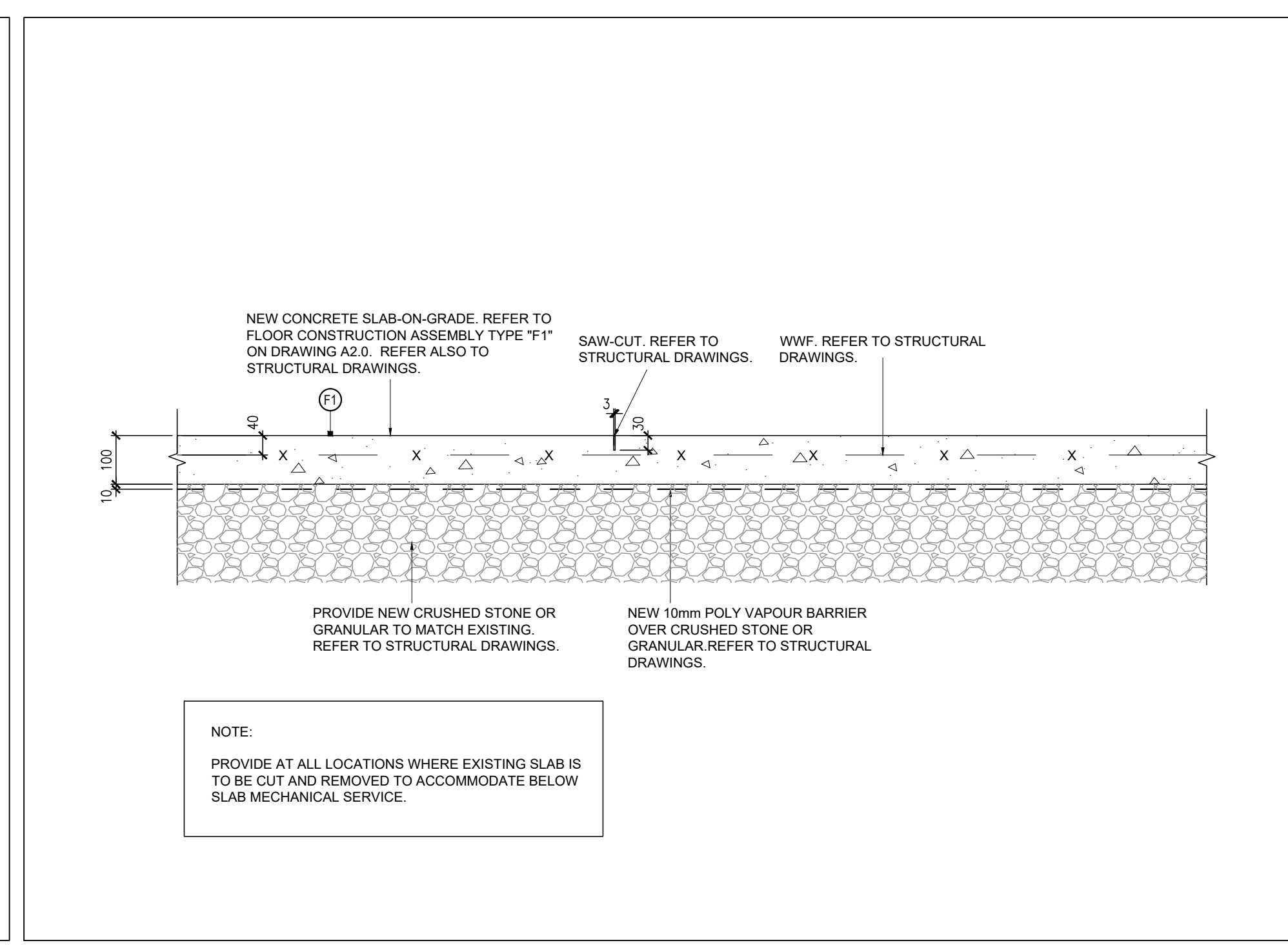
**DETAIL AT PORCELAIN TILE BASE**

**4 BULLNOSED CORNER BASE DETAIL AT MASONRY PARTITIONS**  
A1.1 1:25

**1 EXISTING SITE MOBILIZATION PLAN**  
A1.1 N.T.S.



**2 TYPICAL DETAIL OF JUNCTION AT NEW AND EXISTING CONCRETE SLAB-ON-GRADE**  
A1.1 1:10



**3 TYPICAL DETAIL OF NEW CONCRETE SLAB-ON-GRADE AND CONTROL JOINT**  
A1.1 1:10

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

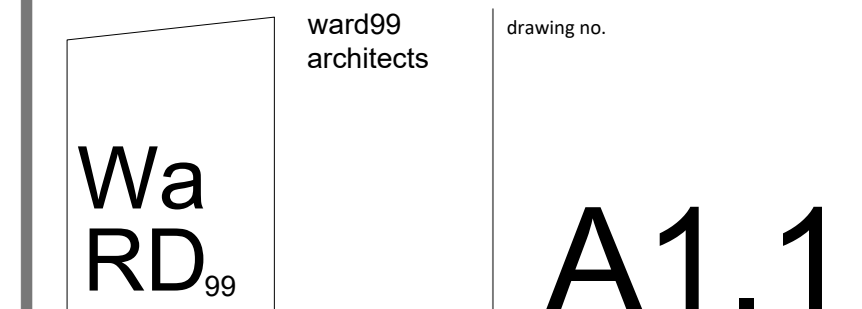
| no. | revision | date |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |

| no. | issue                              | date           |
|-----|------------------------------------|----------------|
| 1.  | issued for Owner Review            | Dec.5.2023     |
| 2.  | issued for Schematic Design Report | Dec.21.2023    |
| 3.  | issued for Permit and Tender       | March 22, 2024 |

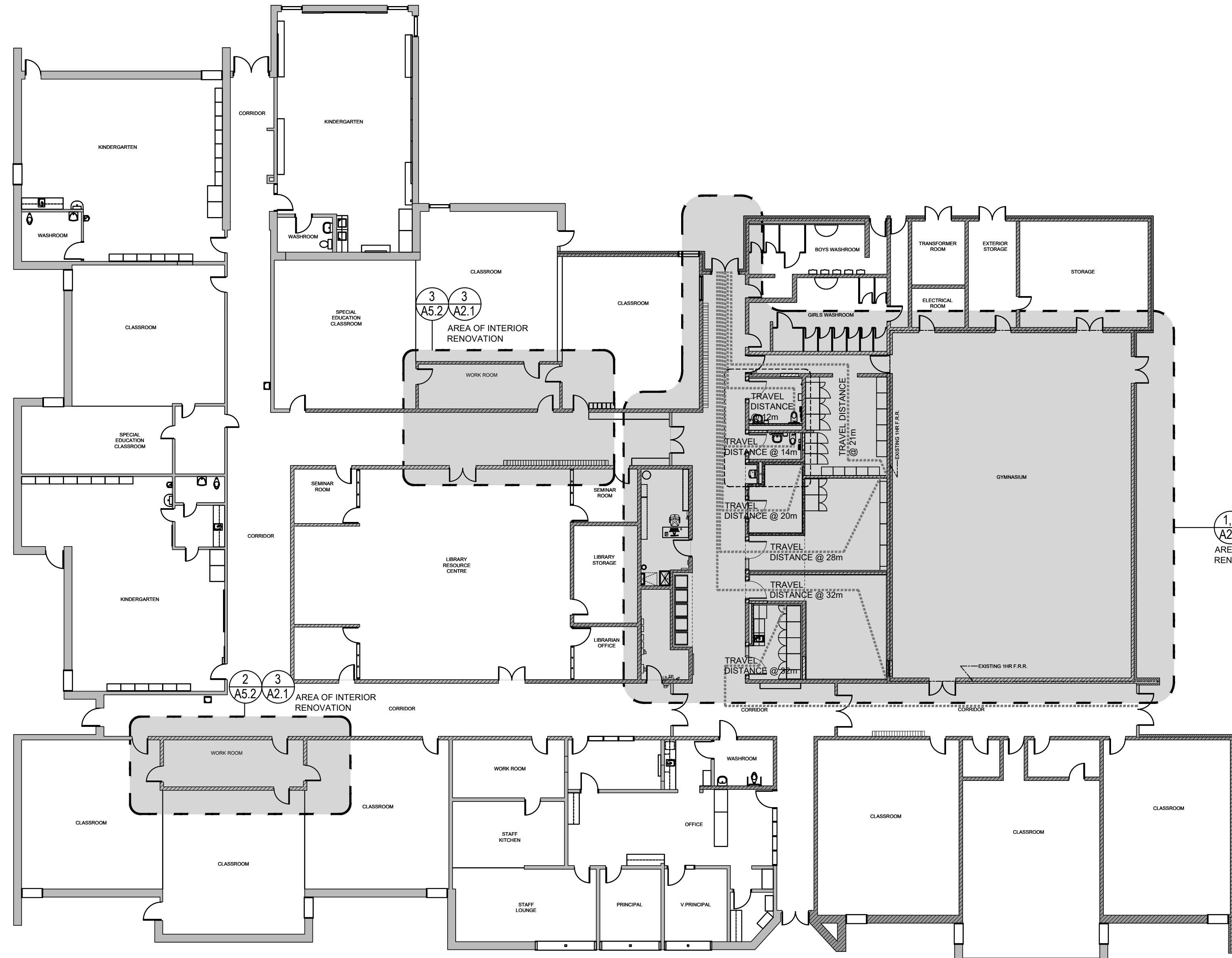
**PROJECT**  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
TENDER 24-7540-RFT  
WATERLOO REGION DISTRICT SCHOOL BOARD  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2

**EXISTING SITE MOBILIZATION PLAN, LEGEND, NOTES AND DETAILS**  
drawing scale

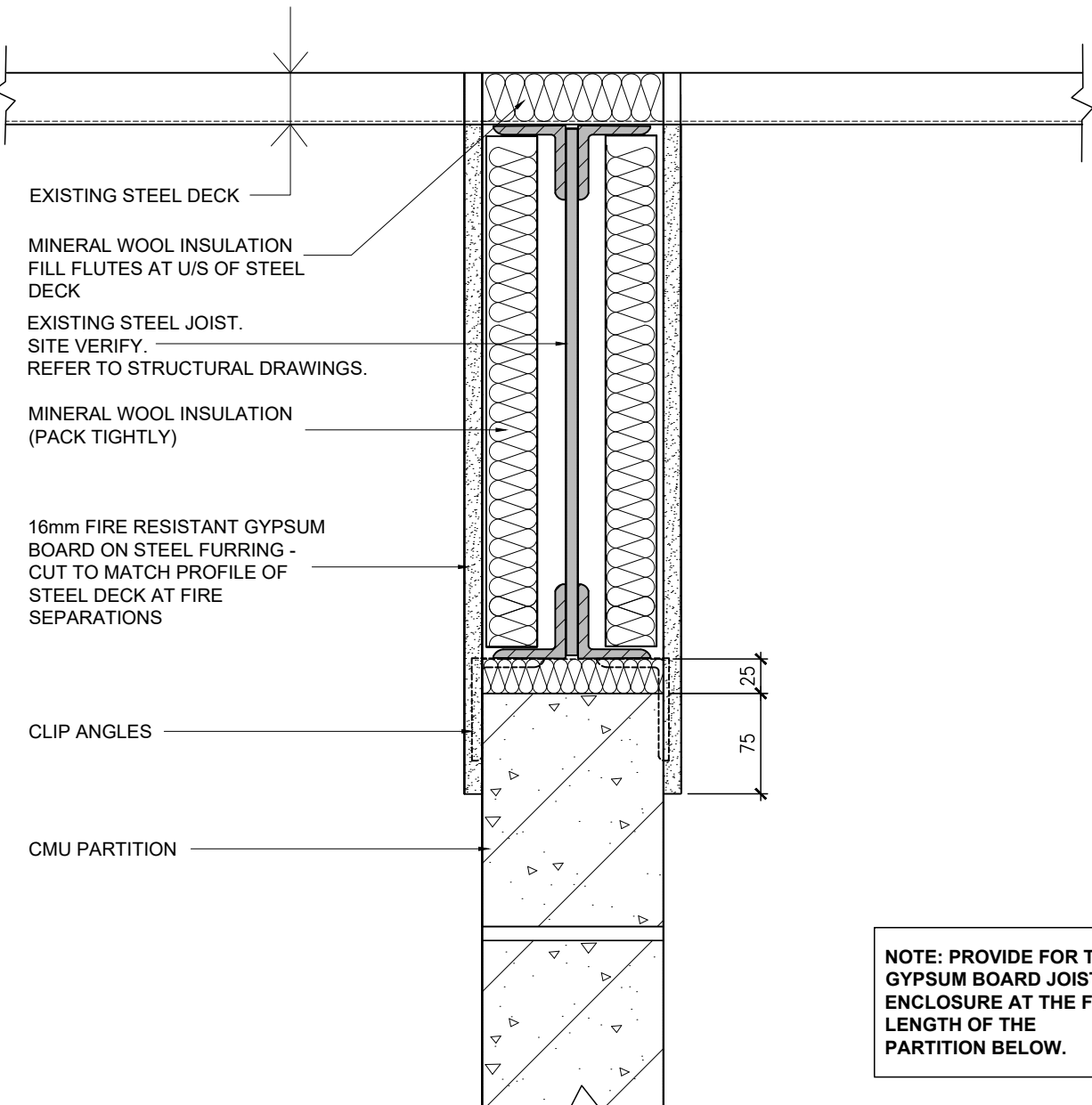
**AS NOTED**  
ward99 project number  
23016 - WRDSB PIONEER PARK



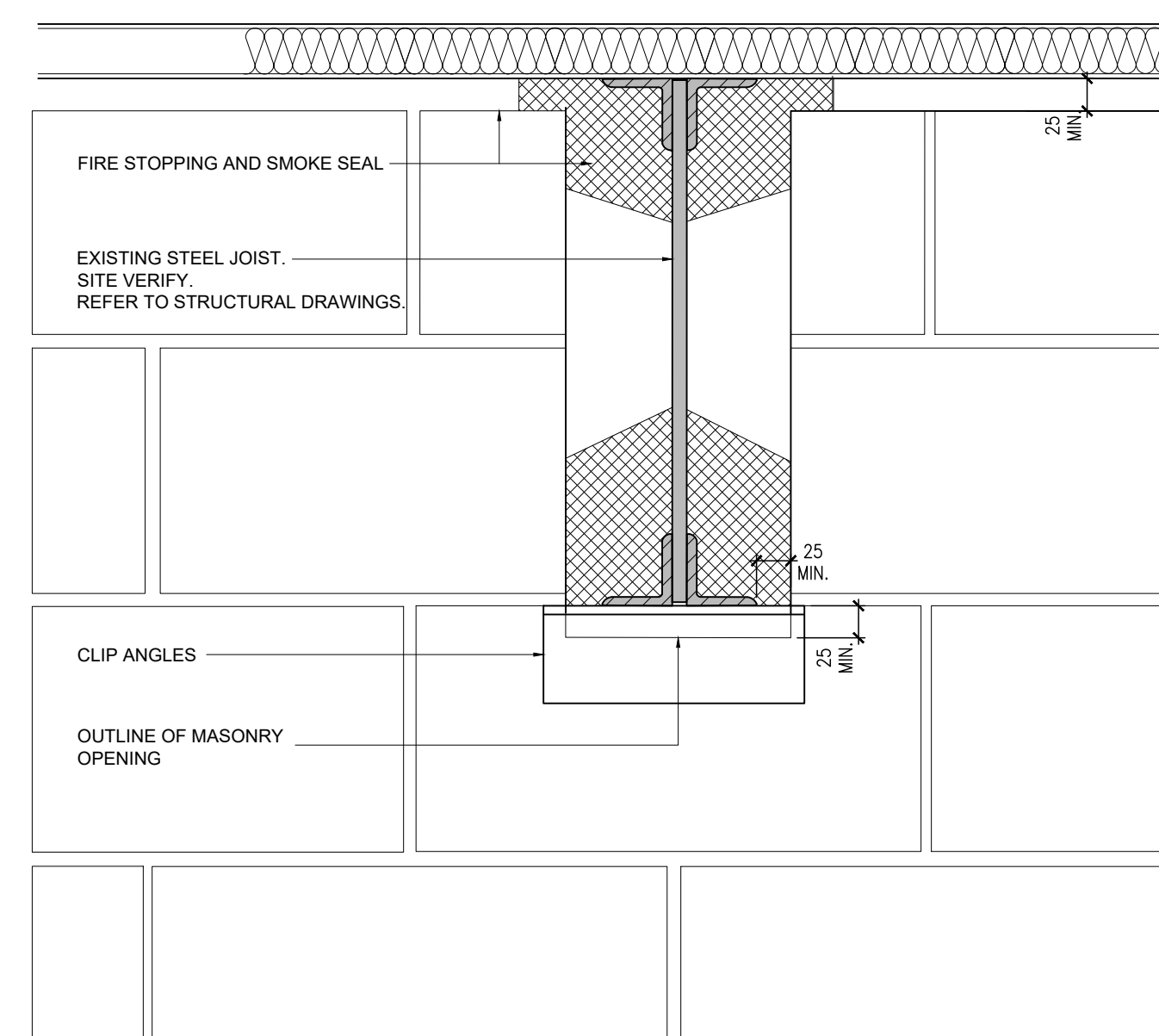
ward99 architects inc.  
7500 Highway 07, Unit 210  
Vaughan, ON L4H 0J2  
info@ward99architects.com  
416.613.5860 www.ward99architects.com



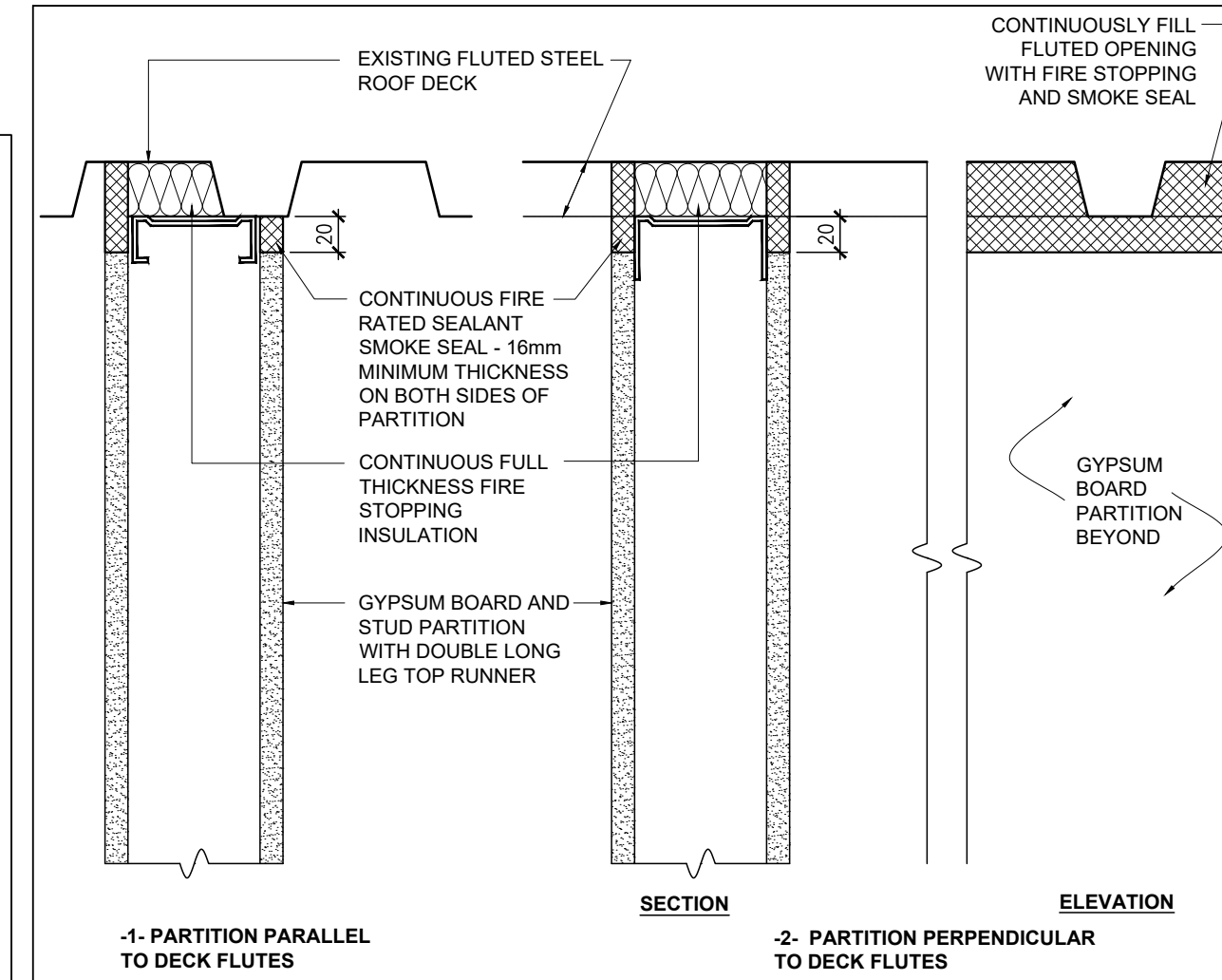
1 GROUND FLOOR KEY PLAN AND LIFE SAFETY PLAN  
1:175



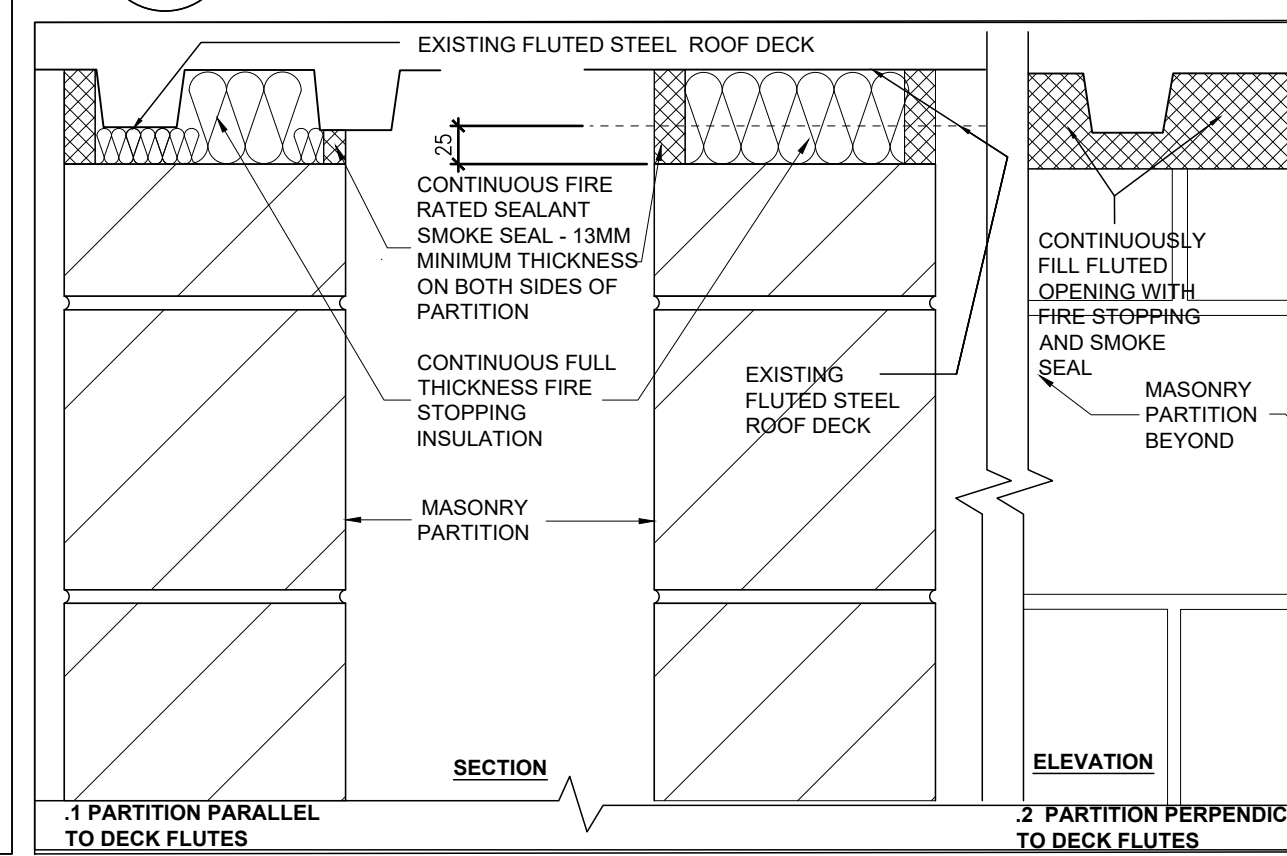
5 EXISTING JOIST PARALLEL TO CONCRETE MASONRY PARTITION  
A2.0 1:5



4 EXISTING JOIST PERPENDICULAR TO CONCRETE MASONRY PARTITION  
A2.0 1:5



2 FIRE STOPPING & SMOKE SEAL DETAIL AT GYPSUM BOARD PARTITION & FLUTED DECK JUNCTION  
A2.0 1:5



3 FIRE STOPPING & SMOKE SEAL DETAIL AT CONCRETE MASONRY PARTITION & FLUTED DECK JUNCTION  
A2.0 1:5

FIRE SEPARATION LEGEND

**VERTICAL FIRE SEPARATION**

- 1 HOUR FIRE-RESISTANCE RATED FIRE SEPARATION (AT EXISTING INTERIOR GYMNASIUM PARTITIONS AND AT PARTITIONS ENCLOSING CUSTODIAN STORAGE 128B).
- 0 HOUR FIRE SEPARATION (AT ALL EXISTING AND NEW CORRIDOR PARTITIONS EXCEPT WHERE NOTED OTHERWISE).

TABLE A - FIRE RESISTANCE RATING FOR CONCRETE MASONRY UNIT PARTITIONS  
(BASED ON O.B.C. SUPPLEMENTARY STANDARD SB-2, TABLE 2.1.1.)

| REQ. F.R.R. | CONCRETE BLOCK OPTIONS            |
|-------------|-----------------------------------|
| 3/4 HOUR    | - 90mm. HOLLOW, NORMAL WEIGHT     |
| 1 HOUR      | - 90mm. 80% SOLID, NORMAL WEIGHT  |
|             | - 90mm. HOLLOW, LIGHT WEIGHT      |
|             | - 140mm. HOLLOW, NORMAL WEIGHT    |
| 2 HOUR      | - 190mm. HOLLOW, NORMAL WEIGHT    |
|             | - 240mm. HOLLOW, NORMAL WEIGHT    |
|             | - 290mm. HOLLOW, NORMAL WEIGHT    |
| 3 HOUR      | - 290mm. HOLLOW, NORMAL WEIGHT    |
|             | - 240mm. 75% SOLID, NORMAL WEIGHT |
|             | - 190mm. 75% SOLID, NORMAL WEIGHT |

REFER TO FLOOR PLAN AND BUILDING SECTIONS FOR LOCATION OF EXISTING AND NEW FIRE RATED PARTITIONS. ALL EXISTING AND NEW PARTITIONS EXTEND TO U/S OF STEEL DECK STRUCTURE UNLESS OTHERWISE NOTED.

CONSTRUCTION LEGEND NOTES

- REFER TO PROPOSED FLOOR PLAN ON DRAWINGS 2/A2.1, REFLECTED CEILING PLANS ON DRAWINGS ON 2/A2.2 FOR LOCATION AND TYPES OF PARTITIONS.
- AT EXISTING ONE STOREY SCHOOL BUILDING, ALL INTERIOR PARTITIONS SHALL EXTEND TO UNDERSIDE OF EXISTING METAL ROOF DECK ABOVE ON THE GROUND FLOOR, UNLESS NOTED OTHERWISE ON THE ARCHITECTURAL DRAWINGS, LEGENDS AND NOTES. UNLESS NOTED OTHERWISE, AT THE GROUND FLOOR LEVEL, THE HEIGHT FROM TOP OF EXISTING FINISHED FLOOR TO UNDERSIDE OF EXISTING METAL ROOF DECK IS 3800mm +/- SITE VERIFY.
- CAULK WITH ACOUSTICAL SEALANT AT PERIMETER OF PARTITION ON BOTH SIDES AND AT PENETRATIONS.
  - 10mm JOINT AT U/S OF CEILING
  - 5mm JOINT AT FLOOR AND VERTICAL JOINTS ABUTTING DISSIMILAR CONSTRUCTION.
- BULLNOSE ALL CORNERS AT MASONRY PARTITIONS. REFER TO DETAIL 4/A1.1 FOR TYPICAL BULLNOSED CORNER BASE DETAIL AT MASONRY PARTITIONS.
- GRIND EXPOSED 90 DEGREE CORNERS TO 25mm RADIUS.
- PROVIDE CONTROL JOINTS AT 6.0m MAXIMUM SPACING AND AT HEAD OF ALL DOOR OPENINGS. REFER TO DETAIL 5/A1.1.
- PROVIDE CONTROL JOINTS WHERE PROPOSED CONCRETE MASONRY PARTITION WALLS ABUT EXISTING CONCRETE AND MASONRY PARTITION WALLS. REFER TO DETAIL 5/A1.1.
- REFER TO DETAIL 3/A2.0 FOR FIRE STOPPING AND SMOKE SEAL DETAIL AT THE TOP OF THE INTERIOR CONCRETE MASONRY UNIT PARTITION WALL AT PARTITIONS WITH 1 HOUR F.R.R. AND 0 HOUR F.R.R.
- REFER TO DETAIL 2/A2.0 FOR FIRE STOPPING AND SMOKE SEAL DETAIL AT THE TOP OF THE INTERIOR STEEL STUD, GYPSUM BOARD FINISHED PARTITION WALL WITH 0 HOUR F.R.R.
- REFER TO DETAIL 5/A2.0 FOR JOIST PARALLEL TO CONCRETE MASONRY PARTITION WALL.
- REFER TO DETAIL 4/A2.0 FOR JOIST PERPENDICULAR TO CONCRETE MASONRY PARTITION WALL.

CONSTRUCTION PARTITION ASSEMBLIES

- INTERIOR PARTITION WALL 140mm CONCRETE MASONRY UNIT PARTITION WALL:**
  - 140mm CONCRETE MASONRY UNIT (CMU) INTERIOR WYTHE C/W REINFORCING. REFER TO STRUCTURAL DRAWINGS
  - EXTEND PARTITION FROM TOP OF CONCRETE FLOOR SLAB TO UNDERSIDE OF EXISTING STEEL DECK ABOVE UNLESS NOTED OTHERWISE.
  - REFER TO ROOM FINISH SCHEDULE DRAWING A5.2 FOR INTERIOR FINISH.
  - REFER TO CONSTRUCTION LEGEND NOTES 1, 2, 3, 4, 5, 6, 7, 10, 11
  - REFER TO PLANS FOR LOCATION OF 0 HR FIRE SEPARATION.
- INTERIOR PARTITION WALL 190mm CONCRETE MASONRY UNIT PARTITION WALL:**
  - 190mm CONCRETE MASONRY UNIT (CMU) INTERIOR WYTHE C/W REINFORCING. REFER TO STRUCTURAL DRAWINGS
  - EXTEND PARTITION FROM TOP OF CONCRETE FLOOR SLAB TO UNDERSIDE OF EXISTING STEEL DECK ABOVE UNLESS NOTED OTHERWISE.
  - REFER TO ROOM FINISH SCHEDULE DRAWING A5.2 FOR INTERIOR FINISH.
  - REFER TO CONSTRUCTION LEGEND NOTES 1, 2, 3, 4, 5, 6, 7, 10, 11.
  - REFER TO PLANS FOR LOCATION OF 0 HR FIRE SEPARATION.
- INTERIOR PARTITION WALL: (1 HOUR FIRE-RESISTANCE RATING CONCRETE MASONRY UNIT PARTITION WALL)**
  - SAME AS P2 BUT PROVIDE MIN. 1 HOUR VERTICAL FIRE SEPARATION AS PER O.B.C. SB-2 TABLE 2.1.1. REFER TO CONSTRUCTION LEGEND NOTES 1, 2, 3, 4, 5, 6, 7, 8, 10, 11.
- INTERIOR PARTITION WALL: (1 HOUR FIRE-RESISTANCE RATING CONCRETE MASONRY UNIT PARTITION WALL)**
  - SAME AS P2 BUT 140mm CONCRETE MASONRY UNIT (CMU).
  - PROVIDE MIN. 1 HOUR VERTICAL FIRE SEPARATION AS PER O.B.C. SB-2 TABLE 2.1.1. REFER TO CONSTRUCTION LEGEND NOTES 1, 2, 3, 4, 5, 6, 7, 8, 10, 11.
- INTERIOR PARTITION WALL GYPSUM BOARD PARTITION WALL:**
  - 64mm STEEL STUD CHANNEL FRAMING AT 400mm O.C. ON NOTED PARTITION (REFER TO PLANS FOR TYPE).
  - 1 LAYER MIN. 16mm THICK GYPSUM BOARD. EXTEND GYPSUM BOARD PARTITION TO 100mm ABOVE FINISHED CEILING.
  - REFER TO ROOM FINISH SCHEDULE FOR INTERIOR FINISH
  - REFER TO CONSTRUCTION LEGEND NOTES 1, 3.
- INTERIOR SHAFT WALL: (ULC W452 SYSTEM A) 1hr Fire RATED GYPSUM BOARD SHAFT WALL**
  - 25mm THICK GYPSUM BOARD LINEAR PANELS
  - 64mm DEEP C-H SHAPED STUDS AT 610mm O.C.
  - SOUND ATTENUATION FIRE BLANKET
  - 1 LAYER MIN. 19mm FIRE-RESISTANT TYPE 'X' GYPSUM BOARD.
  - EXTEND PARTITION TO UNDERSIDE OF EXISTING STEEL ROOF DECK ABOVE
  - PROVIDE 1hr F.R.R. ASSEMBLY IN ACCORDANCE WITH ULC W452 SYSTEM A.
  - REFER TO ROOM FINISH SCHEDULE FOR INTERIOR FINISH. REFER TO CONSTRUCTION LEGEND NOTES 1, 2 AND SIMILAR DETAIL 9.
- INTERIOR PARTITION WALL 90mm CONCRETE MASONRY UNIT PARTITION WALL:**
  - 90mm CONCRETE MASONRY UNIT (CMU) INTERIOR WYTHE C/W REINFORCING. REFER TO STRUCTURAL DRAWINGS
  - EXTEND PARTITION FROM TOP OF CONCRETE FLOOR SLAB TO 100mm ABOVE FINISHED CEILING UNLESS NOTED OTHERWISE.
  - REFER TO ROOM FINISH SCHEDULE DRAWING A5.2 FOR INTERIOR FINISH.
  - REFER TO CONSTRUCTION LEGEND NOTES 1, 3, 4, 5, 6, 7.
  - REFER TO PLANS FOR LOCATION OF 0 HR FIRE SEPARATION.

CONSTRUCTION CEILING ASSEMBLIES

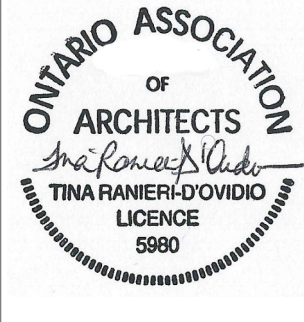
- SUSPENDED T-BAR AND ACOUSTICAL TILE CEILING (ACT-N)**
  - SUSPENDED T-BAR AND ACOUSTICAL TILE CEILING
  - PROVIDE COLD-FORMED STEEL CHANNELS WHERE REQUIRED FOR INTERMEDIATE SUPPORT OF CEILING
  - SECURE TO CONCRETE EXISTING STEEL ROOF ASSEMBLY ABOVE (O.W.S.J. AND STEEL CHANNELS).
  - SECURE TO EXISTING ROOF ASSEMBLY ABOVE. DO NOT SECURE TO STEEL ROOF DECK.
  - NOTE: ACOUSTIC CEILING TILE AND T-BAR SUSPENSION FRAMING IS TO BE STANDARD WHITE IN COLOUR.
- SUSPENDED T-BAR AND ACOUSTICAL TILE CEILING (ACT-R)**
  - EXISTING SUSPENDED T-BAR AND ACOUSTICAL TILE CEILING; TEMPORARILY UNINSTALL AND REMOVE TO COMPLETE THE WORK. REINSTALL EXISTING T-BAR AFTER THE WORK IS COMPLETE. DISPOSE OF EXISTING ACOUSTIC PANELS AND INSTALL NEW ACOUSTIC PANELS. EXISTING LIGHT FIXTURES, DEVICES AND MECHANICAL GRILLES ARE TO REMAIN IN PLACE.
  - STANDARD WHITE IN COLOUR.
- SUSPENDED GYPSUM BOARD CEILING ASSEMBLY (GBD-N)**
  - 13mm GYPSUM BOARD SUSPENDED ON
  - 22mm STEEL FURRING CHANNELS AT 400mm O.C.
  - 41mm STEEL CHANNEL FRAMING AT 600mm O.C.
  - PROVIDE COLD-FORMED STEEL CHANNELS FROM STEEL BEAMS AND STEEL CHANNEL FRAMING WHERE REQUIRED FOR INTERMEDIATE SUPPORT OF CEILING.
  - AT GYPSUM BOARD BULKHEADS WITH 'C2' CEILING. PROVIDE 13mm GYPSUM BOARD ON 92mm STEEL STUDS AT 400mm O.C. AT VERTICAL BULKHEAD FACE.
  - PROVIDE PAINTED FINISH.

CONSTRUCTION FLOOR ASSEMBLIES

- NEW CONCRETE SLAB ON GRADE:**
  - REFER TO ROOM FINISHES SCHEDULE AND FINISHES FLOOR PLAN ON DRAWING 1/A5.2 FOR FLOOR FINISHES.
  - REINFORCED Poured CONCRETE SLAB ON GRADE MIN. 100mm THICK UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
  - CONTINUOUS (10 mil min.) UNDER SLAB SHEET VAPOUR RETARDER WITH ALL JOINTS LAPPED AND SEALED.
  - COMPACTED SLAB-ON-GRADE CRUSHED STONE OR GRANULAR FILL. REFER TO STRUCTURAL DRAWINGS.
  - REFER TO CONSTRUCTION LEGEND NOTES 1.
  - PROVIDE F1 AT ALL AREAS WHERE EXISTING CONCRETE SLAB-ON-GRADE IN EXISTING BUILDING IS TO BE TRENCHED TO PROVIDE FOR OR TO REMOVE EXISTING UNDER SLAB PLUMBING CONNECTIONS. REFER TO ARCHITECTURAL DEMOLITION FLOOR PLAN DRAWING 1/A2.1, AND PROPOSED FLOOR PLAN DRAWING 2/A2.1, STRUCTURAL AND MECHANICAL DRAWINGS. REFER ALSO TO ARCHITECTURAL DETAILS 2/A1.1 AND 3/A1.1.

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| no. | revision | date |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |



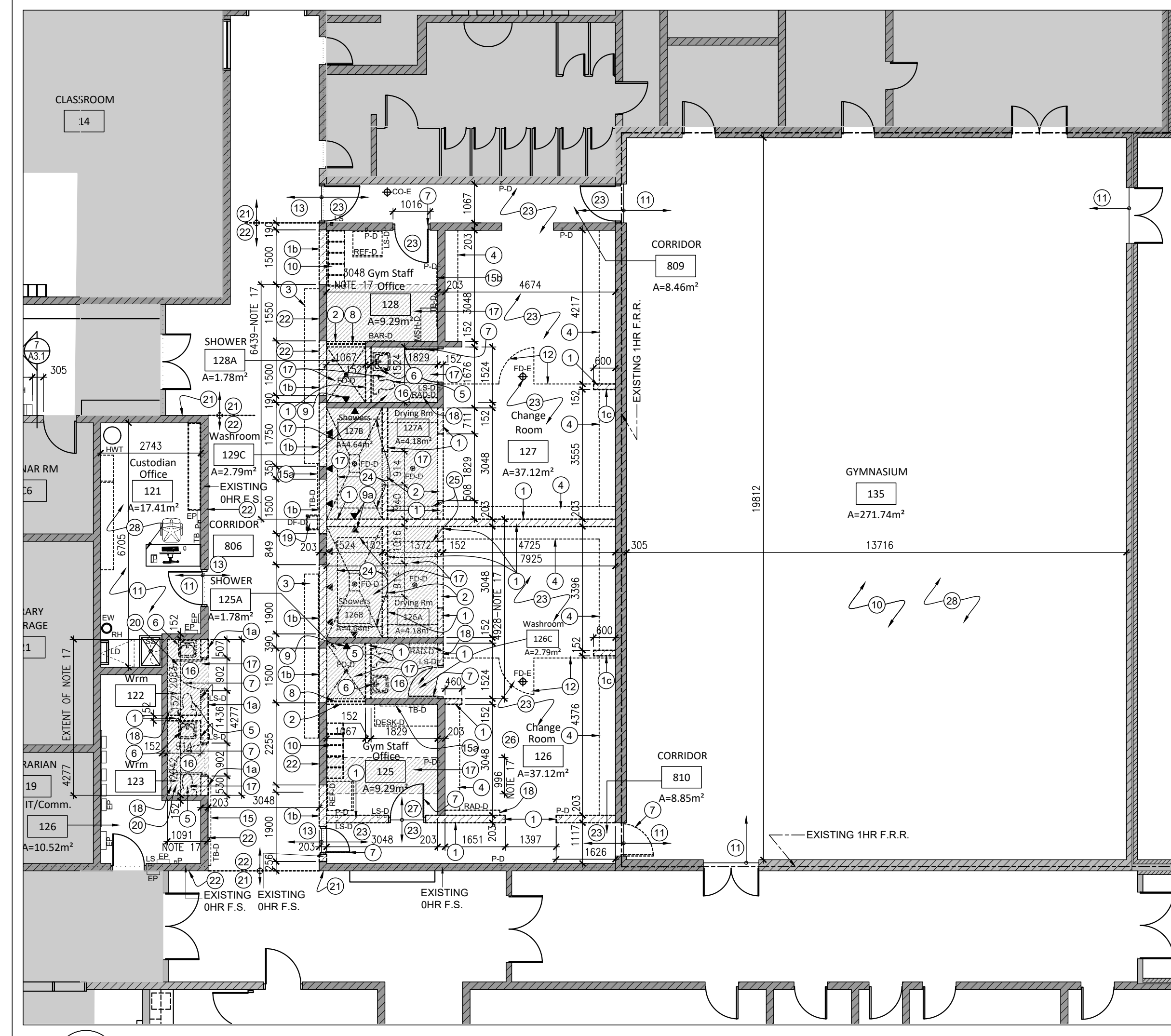
| no. | issue                              | date           |
|-----|------------------------------------|----------------|
| 1.  | Issued for Owner Review            | Dec-5-2023     |
| 2.  | Issued for Schematic Design Report | Dec-21-2023    |
| 3.  | Issued for Permit and Tender       | March 22, 2024 |

project  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
TENDER 24-7540-RFT  
WATERLOO REGION DISTRICT SCHOOL BOARD  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
drawing  
GROUND FLOOR KEY PLAN, DETAILS AND CONSTRUCTION ASSEMBLY LEGEND AND NOTES

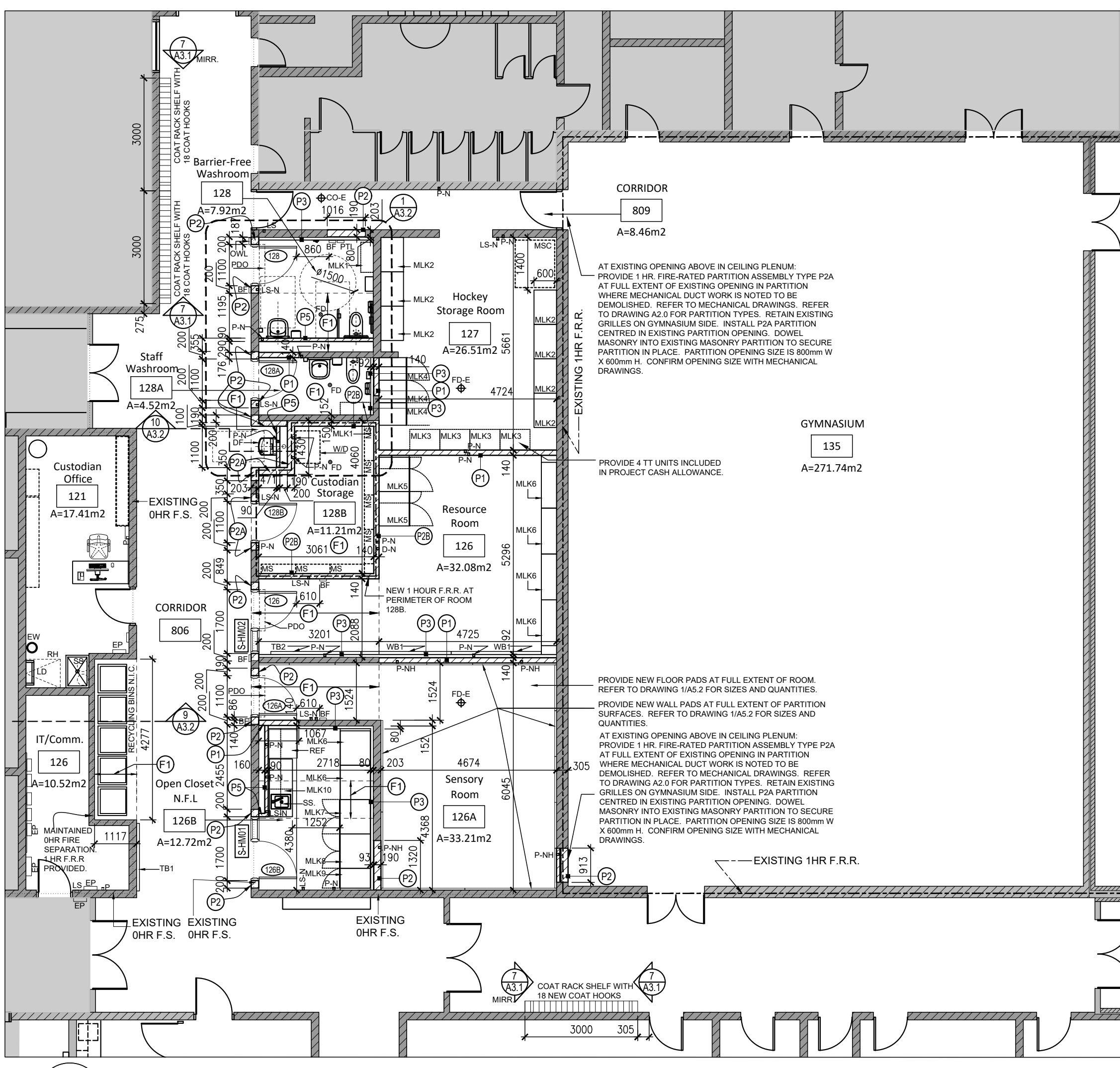
AS NOTED  
ward99 project number  
23016 - WRDSB PIONEER PARK

ward99 architects drawing no. A2.0

The logo for Ward99 architects, with the name 'Ward99' in a stylized font and 'architects' below it.



1 PARTIAL EXISTING GROUND FLOOR PLAN - DEMOLITION A2.1 1:100

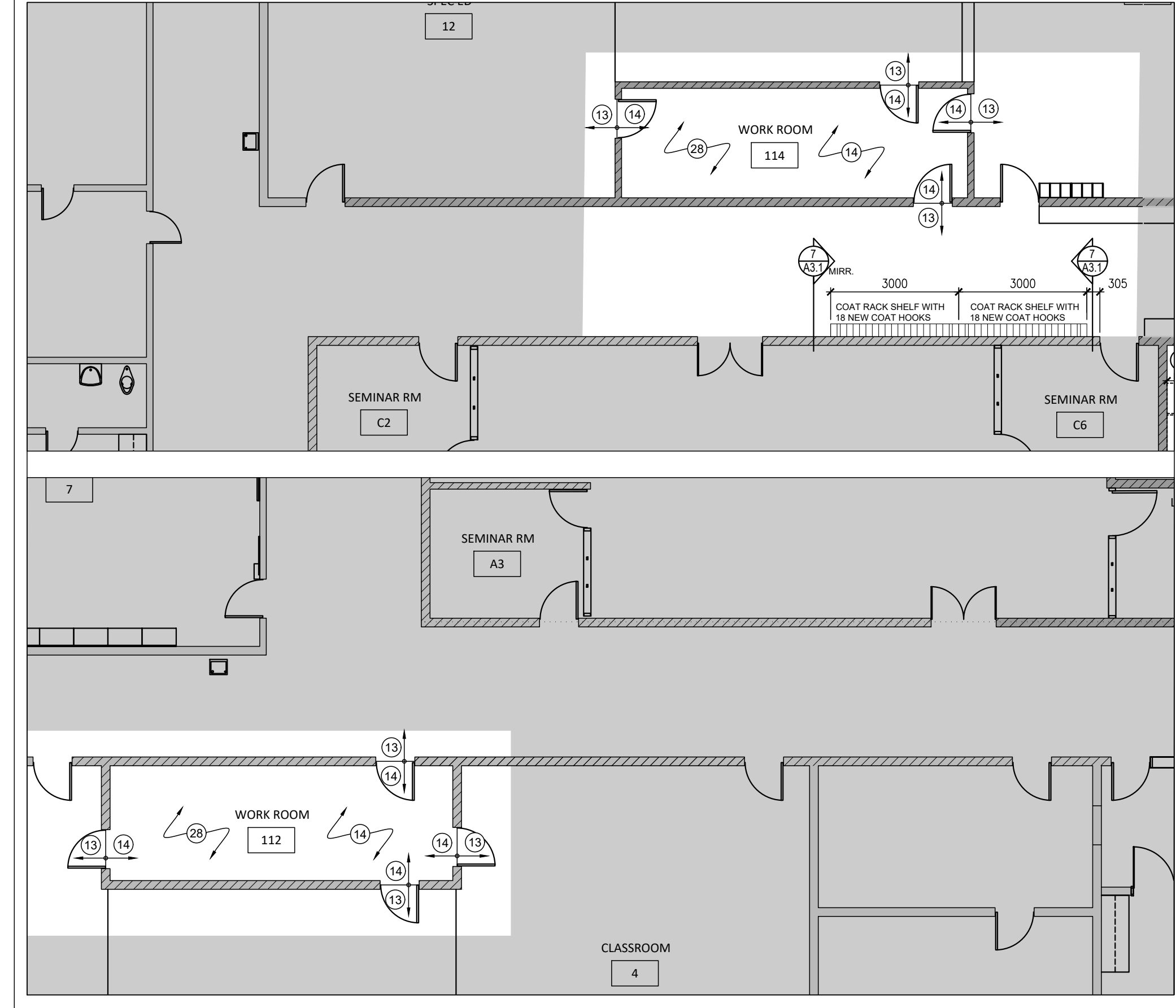


2 PARTIAL PROPOSED GROUND FLOOR PLAN A2.1 1:100

FLOOR PLAN DEMOLITION NOTES AND LEGEND

DEMOLITION PLAN NOTE REFER TO EXISTING FLOOR PLAN DEMOLITION DRAWING 1/ A2.1.

- 1. WHERE NO DEMOLITION TAG IS PROVIDED AT THE NOTED WALL DEMOLITION, THE TAG SHALL BE DEMOLITION NOTE TAG 1. DEMOLISH EXISTING CONCRETE MASONRY BLOCK PARTITIONS IN THEIR ENTIRETY FROM TOP OF CONCRETE SLAB-ON-GRADE TO UNDERSIDE OF EXISTING STEEL ROOF DECK AT A HEIGHT OF 3800mm. REFER TO FLOOR PLANS FOR WIDTH OF MASONRY PARTITIONS. PROVIDE NEW CONCRETE SLAB-ON-GRADE (TYPE F1 - REFER TO FLOOR CONSTRUCTION ASSEMBLY ON DRAWING A2.0) WHERE MASONRY PARTITIONS OF 203mm OR 152mm IN WIDTH ARE DEMOLISHED. 1a = SAME AS 1 BUT THE HEIGHT OF THE DEMOLISHED PARTITION IS 2800mm. 1b = SAME AS 1 BUT THE HEIGHT OF THE DEMOLISHED PARTITION IS 2600mm. 1c = SAME AS 1 BUT THE HEIGHT OF THE DEMOLISHED PARTITION IS 2400mm. 2. DEMOLISH EXISTING 150mm HIGH CONCRETE SHOWER CURB. 3. REMOVE AND DISPOSE OF EXISTING WALL MOUNTED COAT HOOKS AND MILLWORK WOOD SHELF ASSEMBLY INCLUDING ALL ASSOCIATED FASTENERS (APPROXIMATELY 5000mm IN LENGTH). 4. REMOVE AND DISPOSE OF EXISTING WALL MOUNTED COAT HOOKS AND MILLWORK WOOD SHELF ASSEMBLY INCLUDING ALL ASSOCIATED FASTENERS AND DISPOSE OF EXISTING WALL MOUNTED WOOD MILLWORK BENCH BELOW AND ASSOCIATED WALL MOUNTED SUPPORTS. REMOVE AND CUT BACK ALL FASTENERS AND MAKE EXISTING MASONRY PARTITION SURFACE FLUSH AND SMOOTH. REFER TO FLOOR PLANS FOR LENGTH OF SHELF AND BENCH ASSEMBLIES. 5. DEMOLISH EXISTING FLOOR MOUNTED WATER CLOSET AND ASSOCIATED PLUMBING CONNECTIONS. REFER TO MECHANICAL DRAWINGS. 6. DEMOLISH EXISTING WALL MOUNTED SINK AND ASSOCIATED PLUMBING CONNECTIONS. REFER TO MECHANICAL DRAWINGS. 7. DEMOLISH EXISTING STEEL DOOR FRAME, WOOD DOOR AND ALL ASSOCIATED HARDWARE. 8. DEMOLISH EXISTING SHOWER ROD AND CURTAIN AND ASSOCIATED FASTENERS. 9. DEMOLISH EXISTING SHOWER FIXTURES AND ASSOCIATED PLUMBING CONNECTIONS. REFER TO MECHANICAL DRAWINGS. 9a = DEMOLISH ALL EXISTING SHOWER HEADS AND ASSOCIATED PLUMBING CONNECTIONS (TOTAL OF 5 IN LARGER SHOWERS). REFER TO MECHANICAL DRAWINGS. 10. DEMOLISH EXISTING METAL LOCKERS (5 BAYS IN TOTAL). 11. REMOVE AND DISPOSE OF EXISTING 305mm X 305mm ASBESTOS CONTAINING VINYL COMPOSITE FLOOR TILE, RUBBER BASE, MASTICS, AND ADHESIVES IN THEIR ENTIRETY. PATCH, REPAIR, MAKE SMOOTH AND FLUSH EXISTING CONCRETE FLOOR SLAB IN PREPARATION FOR THE INSTALLATION OF NEW RESILIENT SHEET FLOORING. GRIND CONCRETE SLAB IN ITS ENTIRETY. PROVIDE CONCRETE LEVELING AS REQUIRED. REFER TO ASBESTOS AUDIT REPORT IN PROJECT MANUAL. ABATEMENT WORK IS CARRIED AS PART OF BASE CONTRACT WORK. SITE VERIFY EXISTING FIXED FLOOR MOUNTED FIXTURES, MILLWORK AND FITMENTS TO CONFIRM EXTENT OF WORK. LOOSE FURNITURE WILL BE TEMPORARILY REMOVED BY THE OWNER. PROVIDE A RESILIENT TRANSITION STRIP AS REQUIRED AT DOOR JUNCTIONS. 12. DEMOLISH EXISTING CHAIN LINK METAL FENCE ASSEMBLY AND ASSOCIATED GATES. FENCE HEIGHT IS 2500mm WITH POSTS EXTENDING TO 2500mm IN HEIGHT. 13. EXISTING RESILIENT SHEET FLOORING TO REMAIN AND RUBBER WALL BASE TO REMAIN EXCEPT WHERE NOTED OTHERWISE. REFER ALSO TO NOTES 21 AND 22. 14. REMOVE AND DISPOSE OF EXISTING 305mm X 305mm VINYL COMPOSITE FLOOR TILE, RUBBER BASE, MASTICS, AND ADHESIVES IN THEIR ENTIRETY. PATCH, REPAIR, MAKE SMOOTH AND FLUSH EXISTING CONCRETE FLOOR SLAB IN PREPARATION FOR THE INSTALLATION OF NEW RESILIENT SHEET FLOORING. GRIND CONCRETE SLAB IN ITS ENTIRETY. PROVIDE CONCRETE LEVELING AS REQUIRED. SITE VERIFY EXISTING FIXED FLOOR MOUNTED FIXTURES, MILLWORK AND FITMENTS TO CONFIRM EXTENT OF WORK. LOOSE FURNITURE WILL BE TEMPORARILY REMOVED BY THE OWNER. PROVIDE A RESILIENT TRANSITION STRIP AS REQUIRED AT DOOR JUNCTIONS. 15. TB-D = DEMOLISH EXISTING WALL MOUNTED TACK BOARD (2400mm W X 1200mm H) AND REMOVE ALL ADHESIVES AND MASTICS. MAKE GOOD AND FLUSH EXISTING MASONRY WALL FOR NEW PAINT FINISH. 15a = SAME AS 15 BUT DEMOLISHED TACK BOARD IS 1200mm W X 1200mm H. 16. REMOVE AND DISPOSE OF ALL WALL MOUNTED WASHROOM ACCESSORIES INCLUDING MIRRORS, TOILET TISSUE DISPENSERS, SANITARY NAPKIN DISPOSAL UNITS, PAPER TOWEL DISPENSERS, AIR FRESHENERS, GARBAGE UNITS AND SOAP DISPENSERS. 17. HATCH DENOTES DEMOLITION OF CONCRETE SLAB-ON-GRADE AND REPLACEMENT WITH NEW FLOOR CONSTRUCTION TYPE F1. SEE BELOW. DEMOLISH A PORTION OF THE EXISTING CONCRETE SLAB-ON-GRADE AND ASSOCIATED BELOW SLAB GRANULAR ASSEMBLY AS SHOWN ON THE FLOOR PLANS FOR A DEPTH AS REQUIRED (MINIMUM OF 800mm IN DEPTH BELOW SLAB) TO REMOVE AND/OR CONNECT TO EXISTING UNDER SLAB MECHANICAL PLUMBING SERVICES. THE DEPTH OF THE EXISTING CONCRETE FLOOR SLAB IS 100mm IN DEPTH. PROVIDE NEW CONCRETE SLAB-ON-GRADE ASSEMBLY TYPE F1 TO REPLACE THE EXISTING DEMOLISHED CONCRETE SLAB-ON-GRADE ASSEMBLY. REFER TO CONSTRUCTION FLOOR ASSEMBLY TYPE F1 ON DRAWING A2.0. REFER ALSO TO STRUCTURAL AND MECHANICAL DRAWINGS AND ARCHITECTURAL DETAILS 2 AND 3 ON DRAWING A1.1. PROVIDE A CONCRETE LEVELING COAT AS REQUIRED WHERE NEW CONCRETE SLAB-ON-GRADE MEETS EXISTING CONCRETE SLAB-ON-GRADE TO ENSURE THE FLOOR SLAB IS FLUSH, SMOOTH AND LEVEL. 18. RAD-D = DEMOLISH AND DISCONNECT EXISTING WALL MOUNTED BASE BOARD HEATER. REFER TO ELECTRICAL DRAWINGS. 19. DF-D = DEMOLISH EXISTING WALL MOUNTED DRINKING FOUNTAIN UNIT AND ALL ASSOCIATED PLUMBING CONNECTIONS. REFER TO MECHANICAL DRAWINGS. 20. DEMOLISH EXISTING 305mm X 305mm VINYL COMPOSITE FLOOR TILE, RUBBER WALL BASE AND ALL ASSOCIATED MASTICS AND ADHESIVES WHERE THE EXISTING CONCRETE SLAB-ON-GRADE IS NOT NOTED TO BE DEMOLISHED TO ACCOMMODATE THE REMOVAL OF AND/OR CONNECTION OF UNDERGROUND MECHANICAL SERVICES. GRIND THE EXISTING CONCRETE SLAB AND PROVIDE CONCRETE FLOOR LEVELING FOR THE ENTIRE SLAB TO MAKE THE SLAB FLUSH AND SMOOTH IN PREPARATION TO ACCOMMODATE THE INSTALLATION OF NEW FLOOR AND WALL FINISHES. 21. EXISTING RUBBER WALL BASE TO REMAIN. 22. DEMOLISH EXISTING RUBBER WALL BASE AND ASSOCIATED ADHESIVES AND MAKE GOOD EXISTING WALL SURFACE IN PREPARATION FOR NEW WALL AND FLOOR BASE FINISHES. 23. GRIND THE EXISTING POLISHED CONCRETE FLOOR SLAB-ON-GRADE AND CUT BACK THE EXISTING CONCRETE COVERED WALL BASE. MAKE FLUSH AND GOOD SURFACES AT MASONRY PARTITIONS NOTED TO REMAIN. 24. DEMOLISH 3 TIERS OF WALL MOUNTED WOOD SHELVING AND ASSOCIATED FASTENERS AND WALL BRACKETS. MAKE FLUSH AND GOOD SURFACES AT MASONRY PARTITIONS NOTED TO REMAIN. 25. DEMOLISH EXISTING WALL MOUNTED METAL SHELVING UNIT AT BOTH WALL ENDS OF EACH DRYING ROOM TYP. 26. UNINSTALL AND REMOVE EXISTING WALL AND FLOOR PADS AND HAND OVER TO THE OWNER. 27. DEMOLISH EXISTING CARPET FLOORING AND RUBBER BASE AND ASSOCIATED ADHESIVES IN THEIR ENTIRETY. ON TOP OF EXISTING CONCRETE SLAB-ON-GRADE. GRIND EXISTING CONCRETE SLAB-ON-GRADE AND DEMOLISH EXISTING CONCRETE BASE. REFER TO TAG 23 FOR ADDITIONAL WORKS. 28. DURING THE TENDER PHASE, THE CONTRACTOR IS RESPONSIBLE TO SITE VERIFY THE EXISTING LAYOUT OF FIXTURES, FITMENTS AND FIXED MILLWORK TO CONFIRM ACTUAL EXTENT OF FLOORING AND BASE REPLACEMENT.



3 PARTIAL EXISTING GROUND FLOOR PLAN - DEMOLITION AND PROPOSED A2.1 1:100

GENERAL PROPOSED GROUND FLOOR PLAN NOTES

- 1. PROPOSED DRAWING 2/A2.1 SHALL BE READ IN CONJUNCTION WITH ALL DEMOLITION DRAWINGS AND ALL OTHER ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION, DETAILS, NOTES AND DIMENSIONS. 2. REFER TO ARCHITECTURAL DRAWING A2.0. FOR DRAWING TAGS. 3. REFER TO DETAIL 7/A3.1 FOR NEW COAT RACK AND HOOKS AND TYPICAL MILLWORK END GABLE. 4. REFER TO ELECTRICAL DRAWINGS REGARDING THE FOLLOWING: LS-N = NEW LIGHT SWITCH. WHERE NEW LIGHT SWITCHES ARE LOCATED ON EXISTING MASONRY PARTITIONS, SURFACE MOUNT BOXES AND CONDUIT AND PAINT. ALL OTHER LS-N ARE TO BE RECESSED INTO PARTITIONS AND CONDUIT AND BOXES CONCEALED. P-N = NEW POWER RECEPTACLE. P-NH IN SENSORY ROOM = NEW POWER RECEPTACLES MOUNTED AT HIGH LEVEL ABOVE WALL MOUNTED WALL PADDING (APPROXIMATE HEIGHT OF 2100mm). HEIGHT TO TOP OF WALL PADS IS 1850mm. D-N = NEW DATA RECEPTACLE. \*WHERE NEW RECEPTACLES ARE LOCATED ON EXISTING MASONRY PARTITIONS, SURFACE MOUNT BOXES AND CONDUIT AND PAINT. ALL OTHER RECEPTACLES ARE TO BE RECESSED INTO PARTITIONS AND CONDUIT AND BOXES CONCEALED. OWL = NEW OCCUPIED WHENLIT BUTTON. PTL = PUSH TO LOCK BUTTON. BF = NEW BARRIER-FREE PUSH BUTTON VERTICAL ACTUATOR. PDO = NEW OVERHEAD POWER DOOR OPERATOR. ALL OPERATORS ARE TO BE INSTALLED ON THE INTERIOR SIDE OF ROOMS AND NOT ON THE CORRIDOR SIDE. \*SUPPLY AND INSTALLATION OF PTL, BF AND PDO DEVICES ARE CARRIED IN THE PROJECT CASH ALLOWANCE. ALL ELECTRICAL CONNECTIONS TO PTL, BF AND PDO ARE PART OF THE BASE CONTRACT WORK AND NOT THE PROJECT CASH ALLOWANCE. 5. REFER TO MECHANICAL DRAWINGS REGARDING THE FOLLOWING: FD = NEW FLOOR DRAIN AND ASSOCIATED UNDERSLAB PLUMBING CONNECTIONS. DF = NEW BOTTLE FILLER/DRINKING FOUNTAIN. SS = NEW KITCHENETTE SINGLE SINK AND FAUCET. 6. REFER TO DRAWING A3.2 FOR WASHROOM FIXTURES AND ACCESSORIES LAYOUT, LEGEND, INTERIOR ELEVATIONS AND NOTES. REFER TO DRAWINGS A5.1 AND A5.2 FOR FINISHES FLOOR PLANS AND LEGEND. 7. REFER TO DRAWING A5.1 FOR FINISHES SCHEDULE AND NOTES AND DRAWING A5.2 FOR FINISHES FLOOR PLANS AND LEGEND. 8. TB1 = NEW WALL MOUNTED TACK BOARD. SIZE TO BE 1800mm WIDE X 1200mm HIGH. \*PROVIDE A QUANTITY OF 1. TB2 = NEW WALL MOUNTED TACK BOARD. SIZE TO BE 2400mm WIDE X 1200mm HIGH. \*PROVIDE A QUANTITY OF 1. WB1 = NEW WALL MOUNTED MAGNETIC WHITE BOARD. SIZE TO BE 2400mm WIDE X 1 200mm HIGH. \*PROVIDE A QUANTITY OF 2. \*MOUNT BOARDS AT 2200mm FROM FINISHED FLOOR TO TOP OF BOARD. 9. THE FOLLOWING APPLIANCES AND EQUIPMENT ARE SUPPLIED AND INSTALLED THROUGH THE PROJECT CASH ALLOWANCE. WD = NEW STACKED WASHER/DRYER UNIT. REF = NEW REFRIGERATOR. MS = METAL SHELVING BAYS. MSC = METAL SHELVING STORAGE UNITS. TT = PROVIDE 4 METAL TOTE CARTS ON WHEELS IN HOCKEY STORAGE ROOMS. 10. FOR MILLWORK DRAWINGS AND DETAILS. REFER TO MILLWORK DRAWINGS ON A4.1 AND A4.2. INTERIOR ELEVATIONS ON DRAWINGS A3.1 AND A3.2 AND FINISHES FLOOR PLAN 1/A5.2 FOR DETAILS, DIMENSIONS AND ADDITIONAL NOTES. MLK1 = NEW WALL MOUNTED DOUBLE DOOR UPPER CUPBOARD, 800mm IN WIDTH X 800mm IN HEIGHT, MOUNT AT A HEIGHT OF 2200mm FROM TOP OF CUPBOARD TO FINISHED FLOOR. REFER TO DRAWING 6/A.2 FOR TYPICAL SECTION OF DOUBLE DOOR UPPER CUPBOARD. PROVIDE A TOTAL OF 3 DOUBLE DOOR 800mm WIDE X 800mm HIGH WALL MOUNTED UPPER CUPBOARDS: 1 IN BARRIER-FREE WASHROOM 128, 1 IN STAFF WASHROOM 128A AND PROVIDE ANOTHER UNIT TO BE INSTALLED IN AN EXISTING WASHROOM IN THE SCHOOL, WHERE DIRECTED BY THE OWNER. MLK2 = NEW TALL OPEN SHELVING UNIT. REFER TO SECTION DETAIL 4/A4.1. MLK3 = NEW TALL OPEN SHELVING UNIT. REFER TO SECTION DETAIL 6/A4.1. MLK4 = NEW TALL UNIFORM STORAGE UNIT WITH 2 BAYS IN EACH UNIT; REFER TO ELEVATION DETAIL 5/A4.1. MLK5 = NEW TALL TEACHER'S CLOSET STORAGE UNIT. REFER TO DETAIL 1/A4.1. MLK6 = NEW TALL OPEN BOOK STORAGE UNIT. REFER TO DETAIL 3/A4.1. MLK7 = NEW TALL STORAGE UNIT WITH DOUBLE DOORS AND CLOTHES RODS. REFER TO DETAIL 2/A4.1. QUANTITY OF 1. MLK8 = NEW TALL STORAGE UNIT WITH DOUBLE DOORS AND SHELVES. REFER TO DETAIL 2/A4.1. QUANTITY OF 1. MLK9 = NEW TALL STORAGE UNIT WITH SINGLE DOOR AND SHELVES. REFER TO SIMILAR DETAIL 2/A4.1. QUANTITY OF 1. MLK10 = NEW KITCHENETTE MILLWORK UNIT. REFER TO DETAIL 7/A4.1.

FLOOR AND REFLECTED CEILING PLANS LEGEND

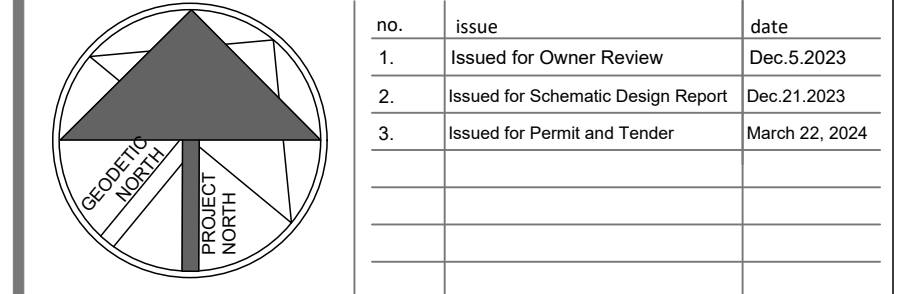
- P-D = REMOVE AND DISPOSE OF EXISTING POWER RECEPTACLE. REFER TO ELECTRICAL DRAWINGS. P = EXISTING POWER RECEPTACLE TO REMAIN. REFER TO ELECTRICAL DRAWINGS. REF-D = REMOVE AND DISPOSE OF EXISTING REFRIGERATOR. BAR-D = REMOVE AND DISPOSE OF EXISTING WALL MOUNTED TOWEL BAR. HWT = EXISTING HOT WATER TANK TO REMAIN. LD = EXISTING WALL MOUNTED LADDER TO REMAIN. SS = EXISTING STAINLESS STEEL SLOP SINK TO REMAIN. EW = EXISTING EYE WASH TO REMAIN. RH = EXISTING ROOF HATCH TO REMAIN. EP = EXISTING ELECTRICAL PANEL TO REMAIN. LS-D = REMOVE AND DISPOSE OF EXISTING LIGHT SWITCH. REFER TO ELECTRICAL DRAWINGS. LS = EXISTING LIGHT SWITCH TO REMAIN. REFER TO ELECTRICAL DRAWINGS. DF-D = REMOVE AND DISPOSE OF EXISTING DRINKING FOUNTAIN. REFER TO MECH. DRAWINGS. TB-D = REMOVE AND DISPOSE OF EXISTING TACK BOARD. TB = EXISTING TACK BOARD TO REMAIN. FD-E = EXISTING FLOOR DRAIN TO REMAIN. ENSURE NEW FLOOR FINISH MEETS TIGHT TO EXISTING DRAIN PERIMETER CAP EDGE. FD-D = REMOVE AND DISPOSE OF EXISTING FLOOR DRAIN. REFER TO MECHANICAL DRAWINGS. CO-E = EXISTING FLOOR CLEAN-OUT TO REMAIN. ENSURE NEW FLOOR FINISH MEETS TIGHT TO EXISTING CLEAN-OUT PERIMETER CAP EDGE. PROVIDE NEW FLOOR FINISH ON EXISTING CAP. RAD-D = REMOVE AND DISPOSE OF EXISTING BASE BOARD HEATER. REFER TO ELECTRICAL DRAWINGS. MSH-D = DEMOLISH EXISTING METAL SHELVING UNIT. DESK-D = DEMOLISH EXISTING FREESTANDING DESK.

GENERAL NOTES

- 1. REMOVE ALL LOOSE WALL MOUNTED FRAMES AND FITMENTS ON MASONRY PARTITIONS TO REMAIN. HAND OVER TO THE OWNER AND REMOVE FASTENERS AND PATCH AND MAKE FLUSH SURFACES PRIOR TO PROVIDING NEW PAINT FINISH. 2. LOOSE FURNITURE AND MATERIALS ARE TO BE REMOVED BY THE SCHOOL BOARD PRIOR TO CONSTRUCTION START. 3. REFER TO LEAD PAINT SURVEY AND ASBESTOS AUDIT REPORT IN THE PROJECT MANUAL TO CONFIRM LOCATIONS OF HAZARDOUS MATERIALS AND ANY AND ALL REQUIREMENTS FOR ABATEMENT. ABATEMENT WORK IS INCLUDED IN THE BASE CONTRACT. ADDITIONAL HAZARDOUS MATERIALS NOT DESCRIBED IN THE LEAD PAINT SURVEY AND THE ASBESTOS AUDIT REPORT AND DISCOVERED BY THE CONTRACTOR IN THE AREA OF WORK, WILL BE REMOVED AND DISPOSED OF THROUGH THE PROJECT CASH ALLOWANCE. 4. REMOVE ALL EXISTING WALL MOUNTED ROOM SIGNAGE AND HAND OVER TO THE OWNER FOR STORAGE. REINSTALL EXISTING WALL MOUNTED ROOM SIGNS AT COMPLETION OF THE WORK WHERE DIRECTED BY THE OWNER. 5. NEW INTERIOR ROOM SIGNAGE SUPPLY AND INSTALLATION IS CARRIED IN THE PROJECT CASH ALLOWANCE. 6. CONTRACTOR IS RESPONSIBLE TO SITE VERIFY ALL EXISTING SITE CONDITIONS AND EXTENT OF DEMOLITION WORKS AS REQUIRED TO COMPLETE THE WORK, PRIOR TO TENDER CLOSE. 7. PROVIDE DUST-PROOF PLASTIC MEMBRANES (MINIMUM 10 MIL POLY) AT THE JUNCTION BETWEEN EXISTING BUILDING AREAS AND CONSTRUCTION WORK AREAS TO ENSURE CONSTRUCTION DUST AND DEBRIS DOES NOT PENETRATE INTO BUILDING SPACES.

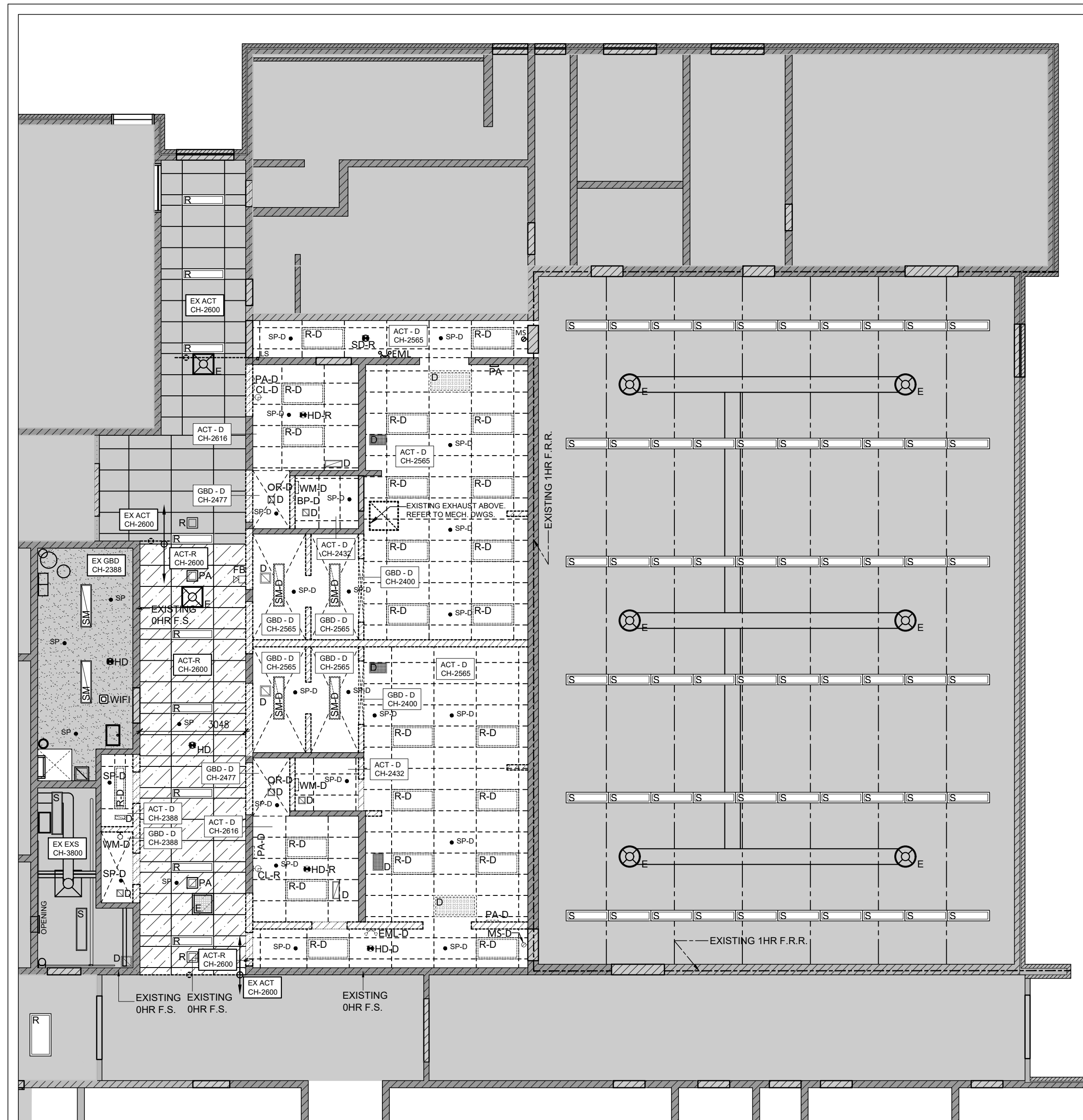
NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

Table with 3 columns: no., revision, date. It shows a table for tracking revisions to the drawing.

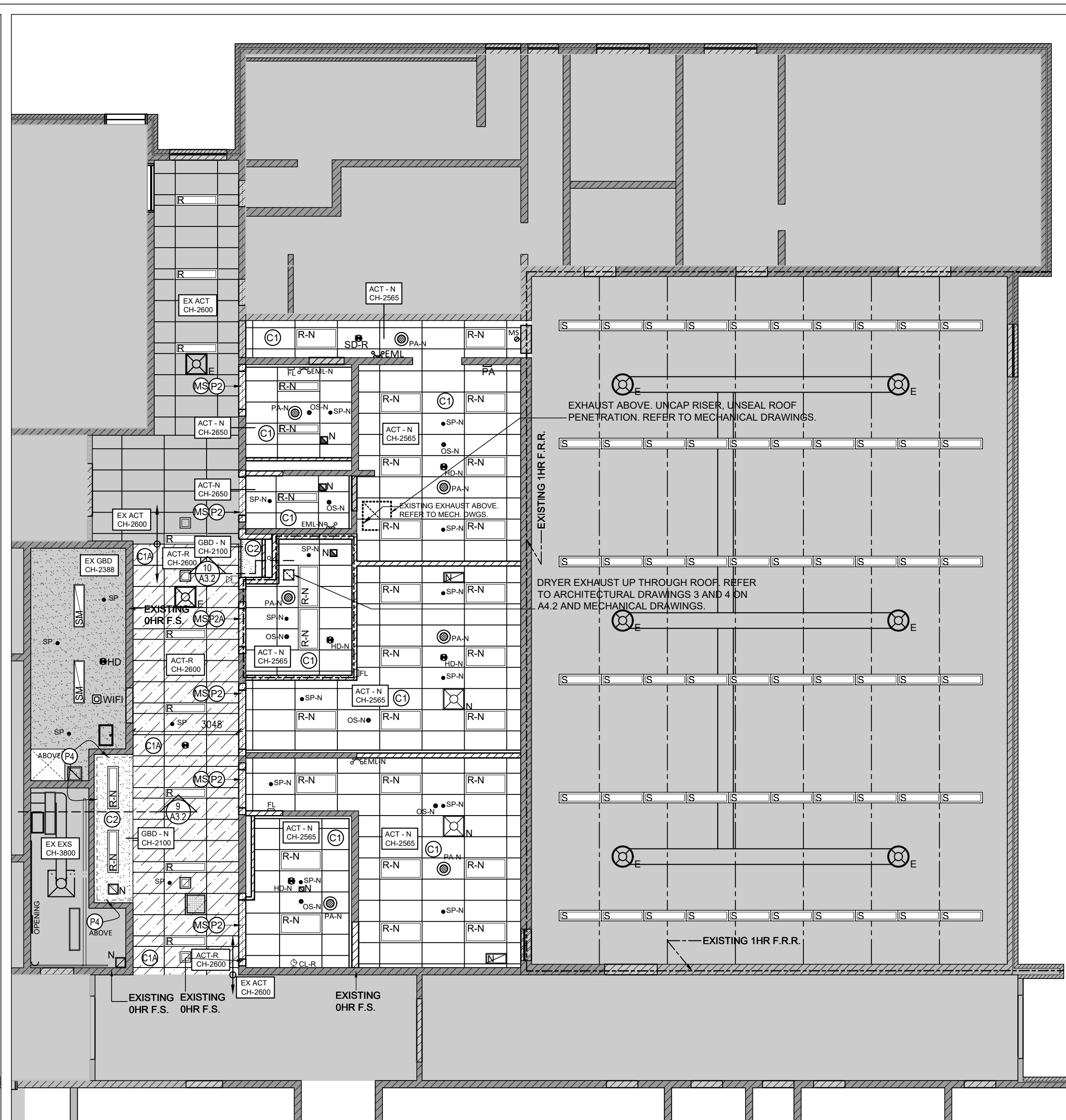


project PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS TENDER 24-7540-RFT WATERLOO REGION DISTRICT SCHOOL BOARD 55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2 drawing PARTIAL GROUND FLOOR DEMOLITION AND PROPOSED PLANS LEGEND AND NOTES

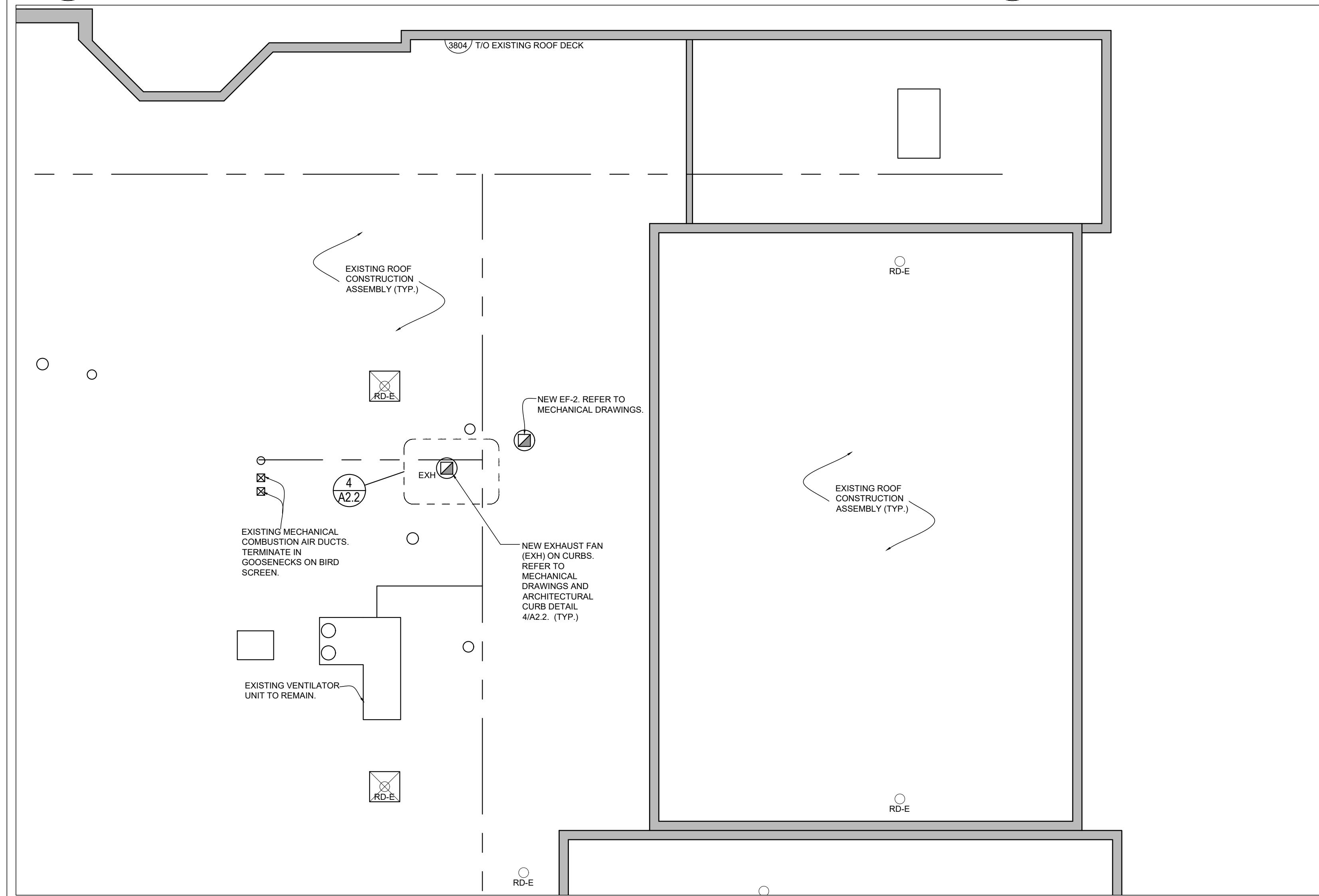
wa99 architects logo and contact information. wa99 architects inc. 2500 Highway 27, Unit 27B, Vaughan, ON L4H 0J2. Includes a large 'A2.1' graphic.



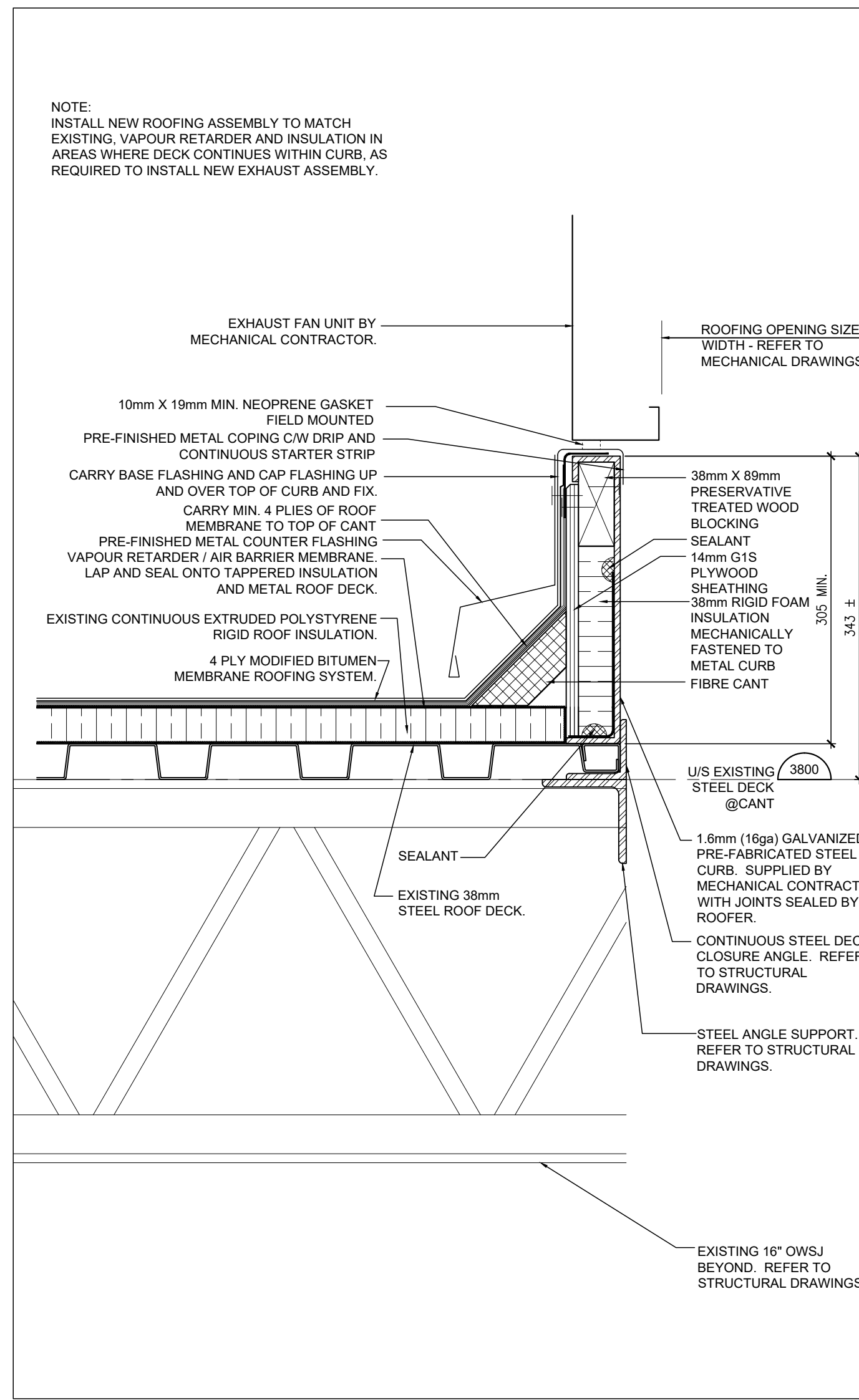
1 PARTIAL EXISTING GROUND FLOOR REFLECTED CEILING PLAN - DEMOLITION  
A2.2 1:100



2 PARTIAL PROPOSED GROUND FLOOR REFLECTED CEILING PLAN  
A2.2 1:100



3 PARTIAL ROOF PLAN  
A2.2 1:100



4 TYPICAL MECHANICAL EXHAUST ROOF OPENING  
A2.2 1:5

### GENERAL NOTES

NOTES:  
 1. REFER TO DRAWING A2.0 FOR DRAWINGS NOTES AND TAGS.  
 2. EXISTING DEMOLITION AND PROPOSED REFLECTED CEILING PLAN DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.  
 3. WHERE POSSIBLE, DEVICES, SPRINKLERS AND GRILLES ARE TO BE CENTRED ON ACOUSTIC CEILING TILES.

### REFLECTED CEILING PLAN DEMOLITION LEGEND

R-D = EXISTING RECESSED LIGHT FIXTURE TO REMAIN.  
 R = EXISTING RECESSED LIGHT FIXTURE TO REMAIN.  
 SM = EXISTING SURFACE MOUNTED LIGHT FIXTURE TO REMAIN.  
 S = EXISTING SUSPENDED LIGHT FIXTURE TO REMAIN.  
 WM-D = REMOVE AND DISPOSE OF EXISTING WALL MOUNTED LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.  
 WM = EXISTING WALL MOUNTED LIGHT FIXTURE TO REMAIN.  
 ACT-D = EXISTING ACUSTIC CEILING TILE AND T-BAR GRID SYSTEM TO BE REMOVED AND DISPOSED OF ENTIRELY TO REMAIN.  
 ACT = EXISTING ACUSTIC CEILING TILE AND T-BAR GRID SYSTEM TO BE REMOVED AND DISPOSED OF ENTIRELY TO REMAIN.  
 GBD-D = EXISTING GYPSUM BOARD FINISHED CEILING AND/OR BULKHEAD AND ASSOCIATED FRAMING TO BE REMOVED AND DISPOSED OF ENTIRELY TO REMAIN.  
 GBD = EXISTING GYPSUM BOARD FINISHED CEILING AND/OR BULKHEAD AND ASSOCIATED FRAMING TO REMAIN.  
 EX = EXISTING EXPOSED CEILING TO REMAIN.  
 HD = EXISTING HEAT DETECTOR TO REMAIN.  
 HD-D = DEMOLISH EXISTING HEAT DETECTOR.  
 SD-D = DEMOLISH EXISTING SMOKE DETECTOR.  
 SD-R = EXISTING SMOKE DETECTOR TO BE REMOVED AND RELOCATED. REFER TO ELECTRICAL DWGS.  
 HD-R = EXISTING HEAT DETECTOR TO BE REMOVED AND RELOCATED. REFER TO ELECTRICAL DRAWINGS.  
 G = EXISTING MECHANICAL GRILLE TO REMAIN.  
 G-D = DEMOLISH EXISTING MECHANICAL GRILLE.  
 R = REMOVE AND CLEAN AND REINSTALL EXISTING MECHANICAL GRILLE. REFER TO MECHANICAL DRAWINGS.  
 E = EXISTING MECHANICAL DIFFUSER TO REMAIN. REFER TO MECHANICAL DRAWINGS.  
 PA = EXISTING PUBLIC ANNOUNCEMENT SPEAKER TO REMAIN.  
 PA-D = DEMOLISH EXISTING PUBLIC ANNOUNCEMENT SPEAKER. CAP EXISTING WALL OPENING WITH 16mm TYPE X GYPSUM BOARD RECESSED INTO MASONRY PARTITION AND FLUSH WITH MASONRY PARTITION. REFER TO FINISHES PLAN FOR WALL FINISHES.  
 PA-D = DEMOLISH EXISTING PUBLIC ANNOUNCEMENT SPEAKER. CAP EXISTING WALL OPENING WITH 16mm TYPE X GYPSUM BOARD RECESSED INTO MASONRY PARTITION AND FLUSH WITH MASONRY PARTITION. REFER TO FINISHES PLAN FOR WALL FINISHES.  
 CL-D = REMOVE AND DISPOSE OF EXISTING WALL MOUNTED CLOCK. CAP EXISTING WALL OPENING WITH 16mm TYPE X GYPSUM BOARD RECESSED INTO MASONRY PARTITION AND FLUSH WITH MASONRY PARTITION.  
 CL-R = EXISTING WALL MOUNTED CLOCK TO BE REMOVED AND RELOCATED. REFER TO ELECTRICAL DRAWINGS.  
 SP = EXISTING SPRINKLER TO REMAIN.  
 SP-D = REMOVE & DISPOSE EXISTING SPRINKLER. REFER TO MECHANICAL DRAWINGS.  
 FB = EXISTING FIRE ALARM BELL TO REMAIN. REFER TO ELECTRICAL DRAWINGS.  
 MS = EXISTING SURFACE MOUNTED MOTION SENSOR TO REMAIN.  
 MS-D = REMOVE AND DISPOSE OF EXISTING MOTION SENSOR. REFER TO ELECTRICAL DRAWINGS.  
 EML-D = EXISTING WALL MOUNTED EMERGENCY LIGHT TO REMAIN.  
 EML = REMOVE AND DISPOSE OF EXISTING WALL MOUNTED EMERGENCY LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.  
 WIFI = EXISTING CEILING MOUNTED WIFI DEVICE TO REMAIN.  
 BP-D = DEMOLISH EXISTING BLANK COVER PLATE RECESSED IN PARTITION.

### PROPOSED REFLECTED CEILING PLAN LEGEND

R-N = NEW RECESSED LIGHT FIXTURE.  
 R = EXISTING RECESSED LIGHT FIXTURE TO REMAIN.  
 SM-N = NEW SURFACE MOUNTED LIGHT FIXTURE.  
 SM = EXISTING SURFACE MOUNTED LIGHT FIXTURE TO REMAIN.  
 S-N = NEW SUSPENDED LIGHT FIXTURE.  
 S = EXISTING SUSPENDED LIGHT FIXTURE TO REMAIN.  
 REFER TO ELECTRICAL DRAWINGS.

EXISTING MASONRY HEADER ABOVE EXISTING WALL OPENING TO REMAIN.  
 NEW INTERIOR CONCRETE MASONRY WYTHE LINTEL ABOVE WALL OPENING.

EXISTING SUSPENDED ACOUSTIC CEILING TILE ASSEMBLY INCLUDING T-BAR GRID SYSTEM IN ITS ENTIRETY TO REMAIN.  
 CEILING TILE SIZE: 610mm X 1220mm ±.

NEW SUSPENDED ACOUSTIC CEILING TILE AND ASSOCIATED FRAMING ASSEMBLY.  
 CEILING TILE SIZE: 610mm X 1220mm. REFER TO CEILING ASSEMBLY TYPE C1 ON DRAWING A2.0. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LAYOUT AND QUANTITY OF ELECTRICAL AND MECHANICAL FIXTURES, DEVICES AND FITMENTS.

REINSTALLED EXISTING SUSPENDED ACOUSTIC CEILING TILE ASSEMBLY IN ITS ENTIRETY. EXISTING T-BAR GRID SYSTEM AND NEW ACOUSTIC CEILING TILES (SIZE: 610mm X 1220mm). REINSTALL ANY EXISTING LIGHT FIXTURES, DEVICES AND GRILLES THAT WERE TEMPORARILY REMOVED TO COMPLETE THE WORK. REFER TO CEILING ASSEMBLY TYPE C1A ON DRAWING A2.0.

GYPSUM BOARD FINISHED SUSPENDED CEILING WITH ASSOCIATED STEEL FRAMING ASSEMBLY. REFER TO CEILING ASSEMBLY TYPE C2 ON DRAWING A2.0.

EXISTING SUSPENDED GYPSUM BOARD FINISHED CEILING ASSEMBLY.

MS = MASONRY HEADER WALL.  
 REFER TO DRAWING A2.0 FOR PARTITION TYPE (PI) ASSEMBLY TYPE.

CEILING ASSEMBLY TYPE. REFER TO DRAWING A2.0 FOR CEILING ASSEMBLY DESCRIPTION.

EX ACT = EXISTING SUSPENDED ACOUSTIC CEILING TILE AND T-BAR GRID SYSTEM TO BE REMAIN.  
 ACT-N = NEW SUSPENDED ACOUSTIC CEILING TILE AND T-BAR GRID SYSTEM ASSEMBLY.  
 ACT-R = REINSTALL EXISTING T-BAR FRAMING AND NEW ACOUSTIC CEILING TILE ASSEMBLY.  
 CH = HEIGHT FROM FINISHED FLOOR TO UNDERSIDE OF EXISTING FINISHED CEILING.

EX GBD = EXISTING GYPSUM BOARD FINISHED CEILING AND/OR BULKHEAD AND ASSOCIATED FRAMING TO REMAIN.  
 GBD-N = NEW GYPSUM BOARD FINISHED CEILING AND/OR BULKHEAD AND ASSOCIATED FRAMING.  
 CH = HEIGHT FROM FINISHED FLOOR TO UNDERSIDE OF EXISTING FINISHED CEILING.

EX EXS = EXISTING EXPOSED CEILING TO REMAIN.  
 CH = HEIGHT FROM FINISHED FLOOR TO UNDERSIDE OF EXISTING FINISHED CEILING.

HD = EXISTING HEAT DETECTOR TO REMAIN.  
 HD-R = EXISTING HEAT DETECTOR TO BE RELOCATED.  
 HD-N = NEW HEAT DETECTOR.  
 SD-R = EXISTING SMOKE DETECTOR TO BE RELOCATED.  
 REFER TO ELECTRICAL DRAWINGS.

E = EXISTING MECHANICAL DIFFUSER TO REMAIN.  
 N = NEW MECHANICAL DIFFUSER. REFER TO MECHANICAL DRAWINGS.

NEW MECHANICAL EXHAUST. REFER TO MECHANICAL DRAWINGS.

NEW MECHANICAL RETURN GRILLE. REFER TO MECHANICAL DRAWINGS.

SP = EXISTING SPRINKLER TO REMAIN.  
 SP-N = NEW SPRINKLER.  
 REFER TO MECHANICAL DRAWINGS.

EML = EXISTING WALL MOUNTED EMERGENCY LIGHT TO REMAIN.  
 EML-N = NEW CEILING MOUNTED EMERGENCY LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.  
 NEW CEILING MOUNTED OCCUPANCY SENSOR.  
 REFER TO ELECTRICAL DRAWINGS.

PA = EXISTING PUBLIC ANNOUNCEMENT SPEAKER TO REMAIN.  
 PA-N = NEW PUBLIC ANNOUNCEMENT SPEAKER.  
 REFER TO ELECTRICAL DRAWINGS.

FL = NEW FIRE ALARM STROBE LIGHT.  
 REFER TO ELECTRICAL DRAWINGS.

FB = EXISTING FIRE ALARM BELL TO REMAIN.  
 REFER TO ELECTRICAL DRAWINGS.

WIFI = EXISTING CEILING MOUNTED WIFI DEVICE TO REMAIN.  
 CL-R = EXISTING WALL MOUNTED CLOCK REMOVED AND RELOCATED.  
 REFER TO ELECTRICAL DRAWINGS.

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| no. | revision | date |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |

| no. | issue                              | date           |
|-----|------------------------------------|----------------|
| 1.  | Issued for Owner Review            | Dec 5, 2023    |
| 2.  | Issued for Schematic Design Report | Dec 21, 2023   |
| 3.  | Issued for Permit and Tender       | March 22, 2024 |

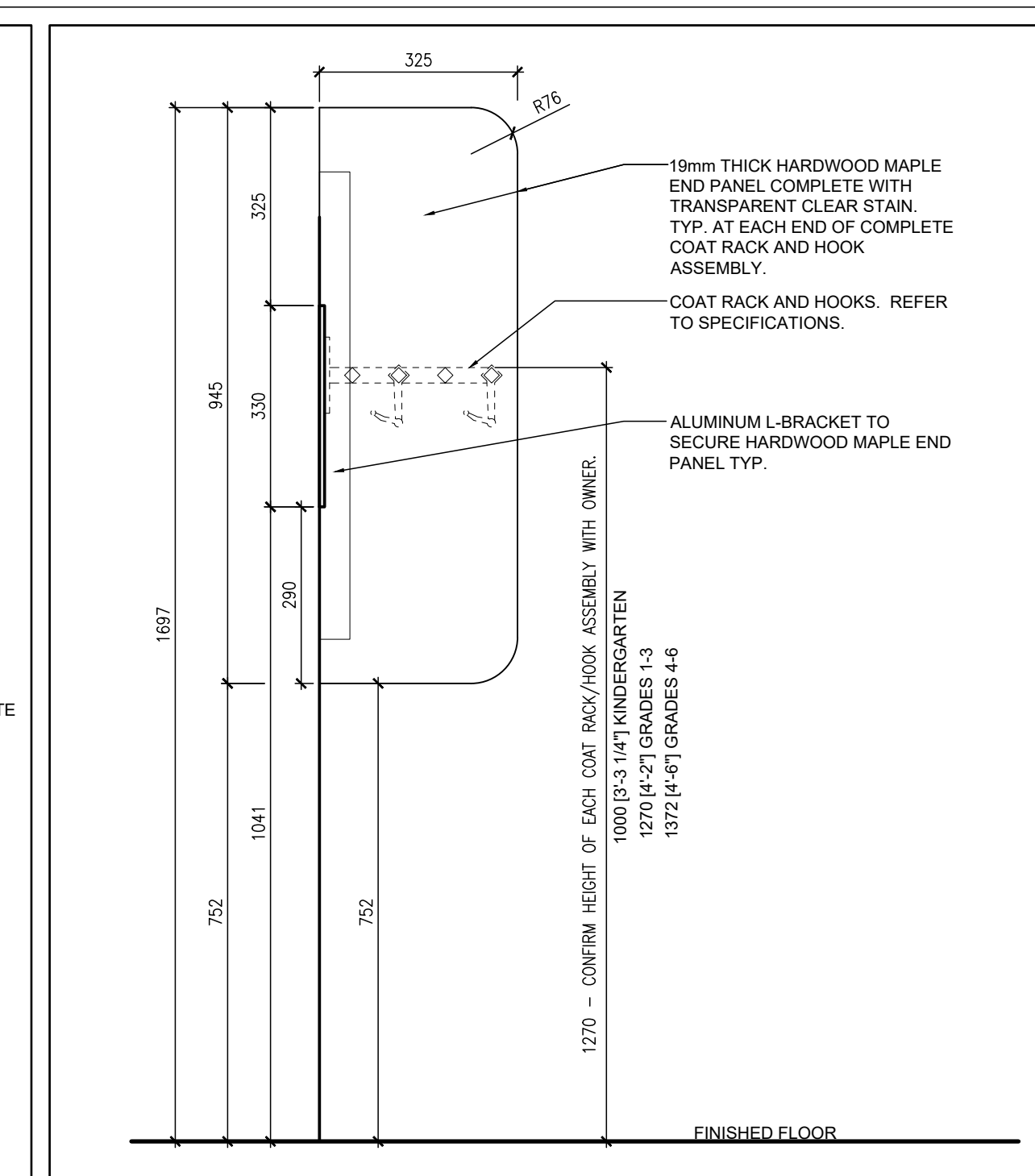
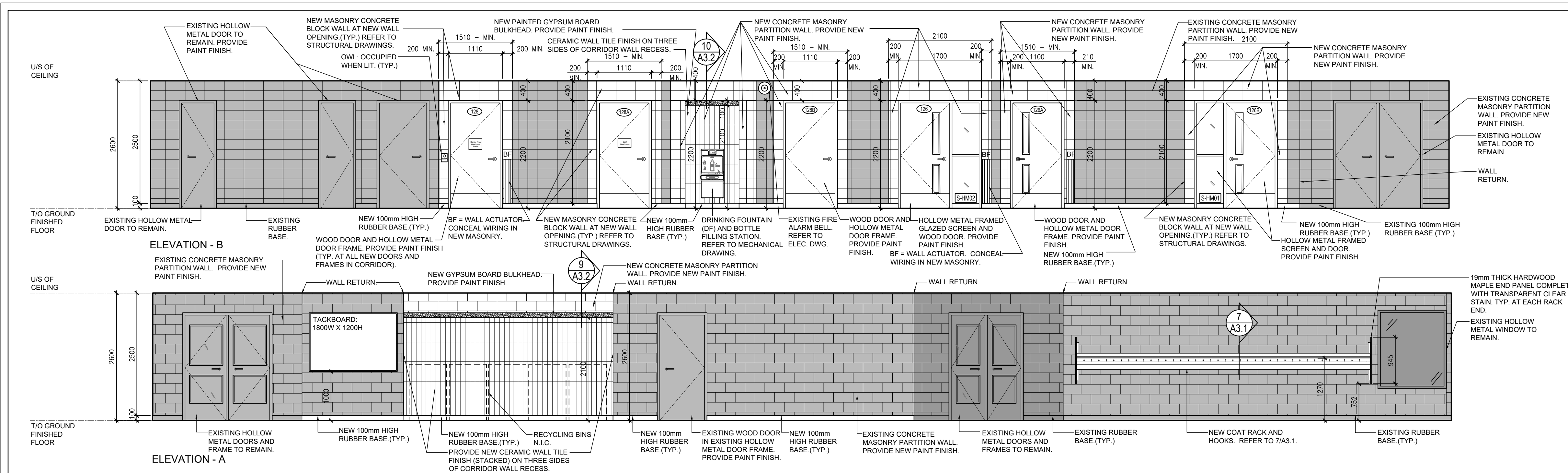
project  
 PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
 TENDER 24-7540-RFT  
 WATERLOO REGION DISTRICT SCHOOL BOARD  
 55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
 drawing  
 PARTIAL GROUND FLOOR REFLECTED CEILING PLANS - DEMOLITION  
 AND PROPOSED, LEGEND AND NOTES  
 drawing scale

AS NOTED  
 w999 project number  
 23016 - WRDSB PIONEER PARK

war999 architects  
 drawing no.

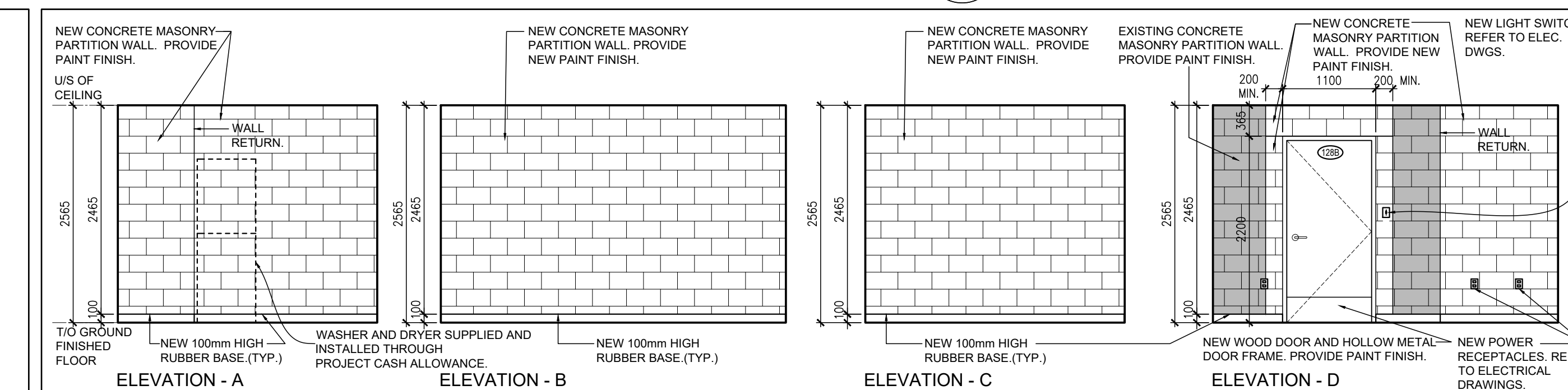
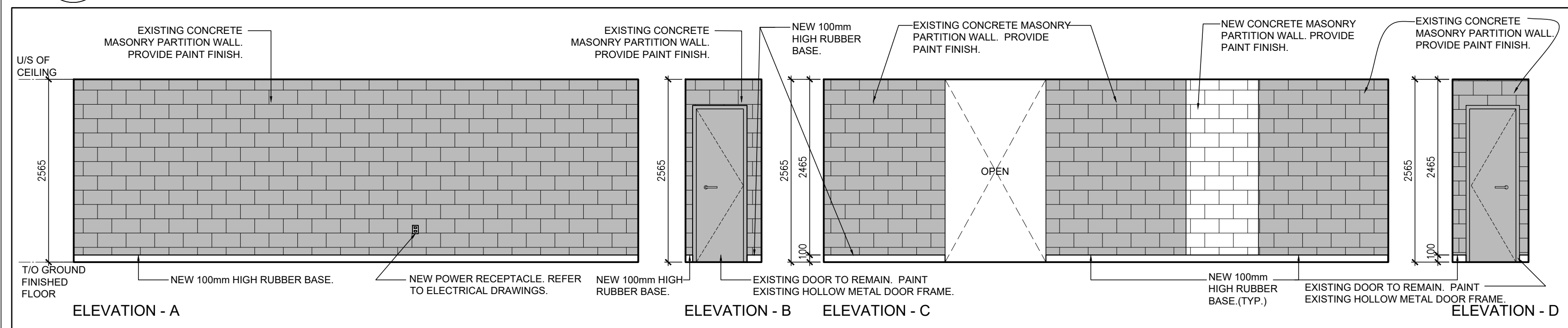
**A2.2**

war999 architects inc.  
 7500 Highway 07, Unit 218  
 Vaughan, ON L4H 0J2  
 info@war999.com  
 416 613 5880 www.war999.com



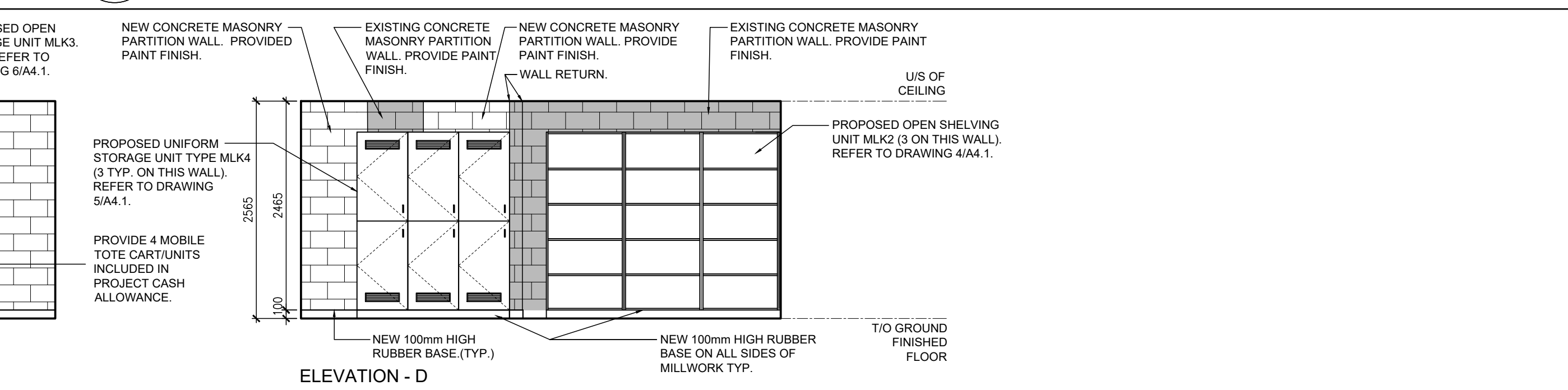
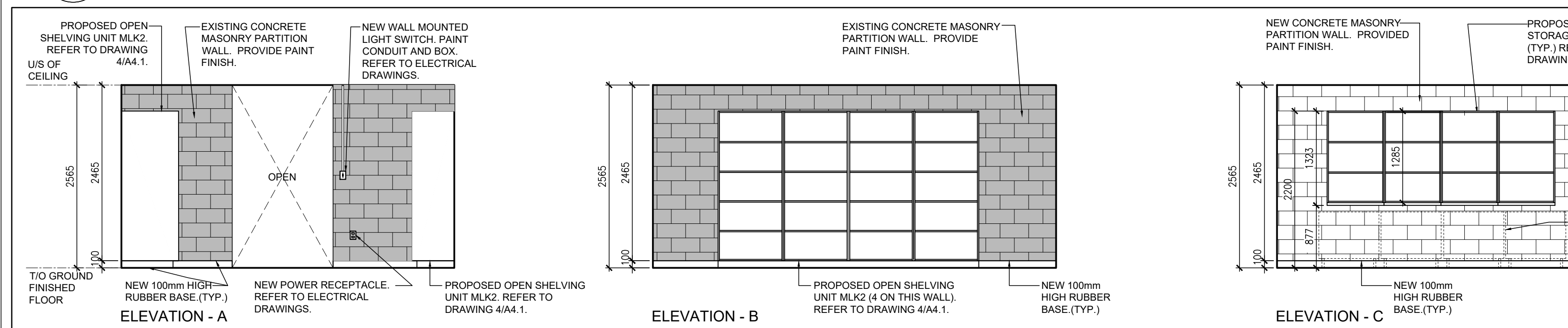
1  
A3.1  
PROPOSED INTERIOR ELEVATION AT CORRIDOR 806  
1:50

7  
A3.1  
COAT RACK END GABLE SECTION DETAIL  
1:10

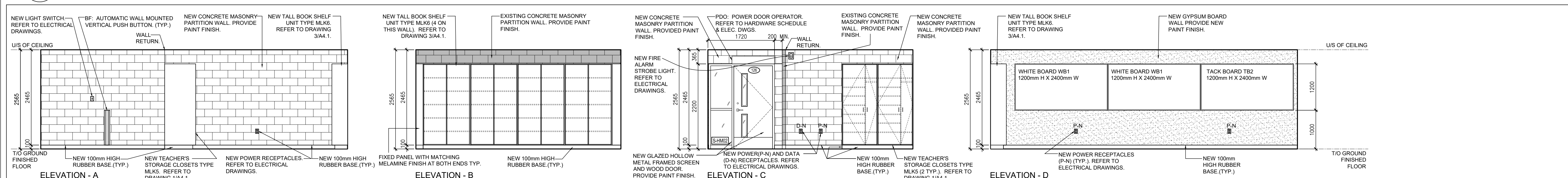


2  
A3.1  
PROPOSED INTERIOR ELEVATIONS AT CORRIDOR 809  
1:50

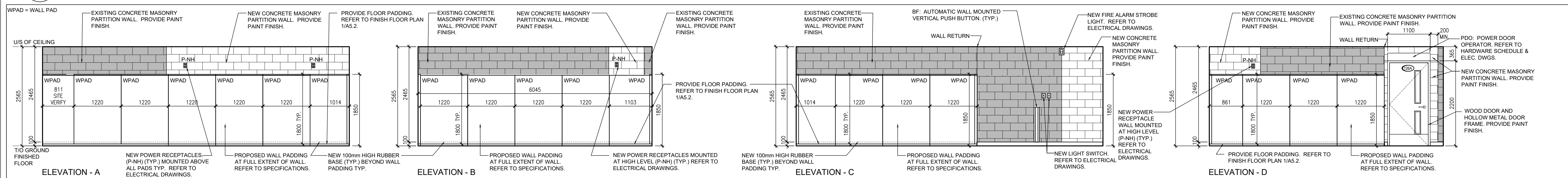
3  
A3.1  
PROPOSED CUSTODIAN STORAGE 128B  
1:50



4  
A3.1  
PROPOSED INTERIOR ELEVATIONS AT HOCKEY STORAGE ROOM 127  
1:50



5  
A3.1  
PROPOSED INTERIOR ELEVATIONS AT RESOURCE ROOM 126  
1:50

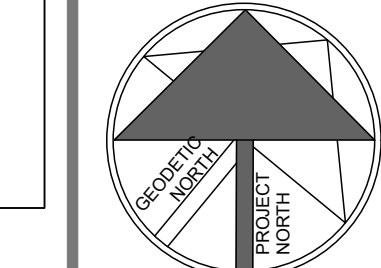
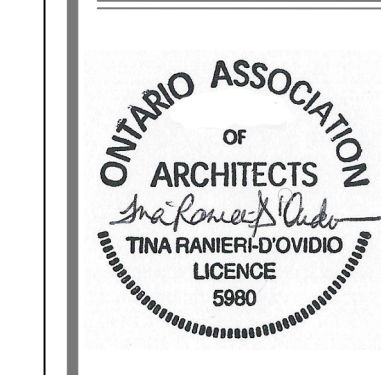


6  
A3.1  
PROPOSED INTERIOR ELEVATIONS AT SENSORY ROOM 126A  
1:50

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

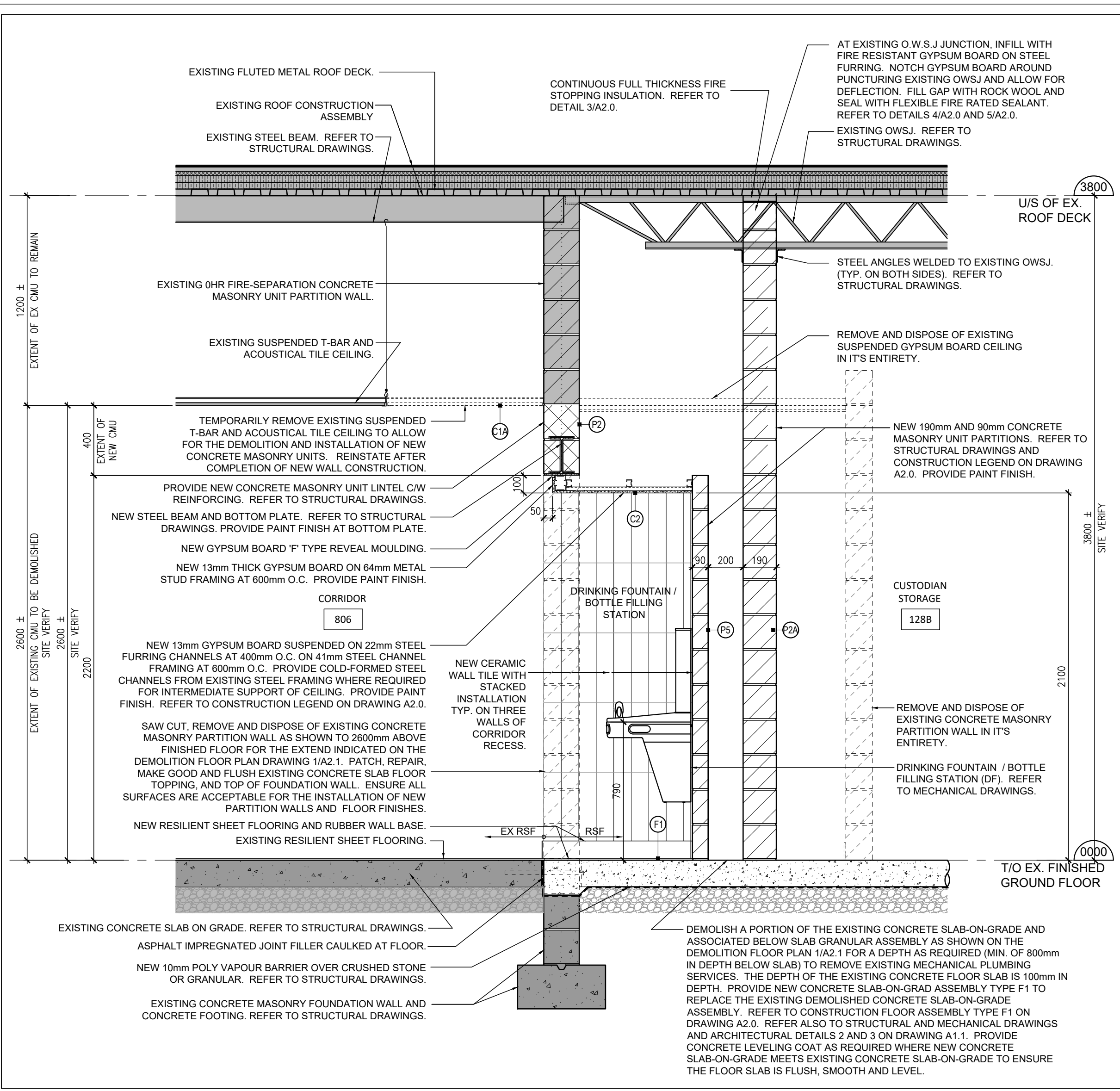
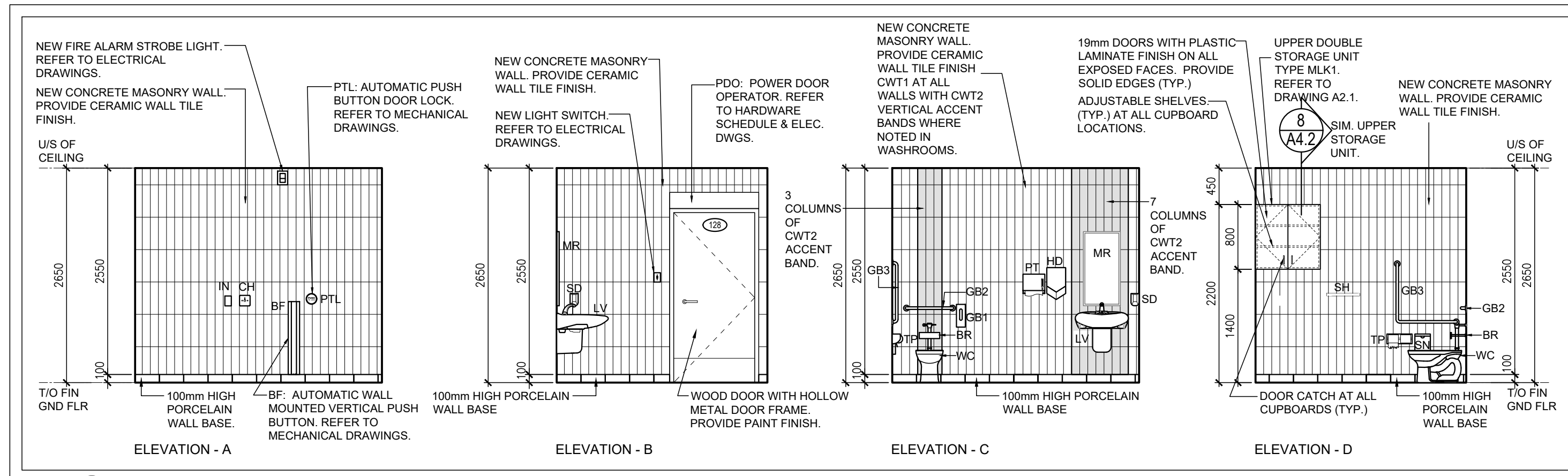
| no. | revision | date |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |

| no. | issue                              | date           |
|-----|------------------------------------|----------------|
| 1.  | Issued for Owner Review            | Dec 5, 2023    |
| 2.  | Issued for Schematic Design Report | Dec 21, 2023   |
| 3.  | Issued for Permit and Tender       | March 22, 2024 |

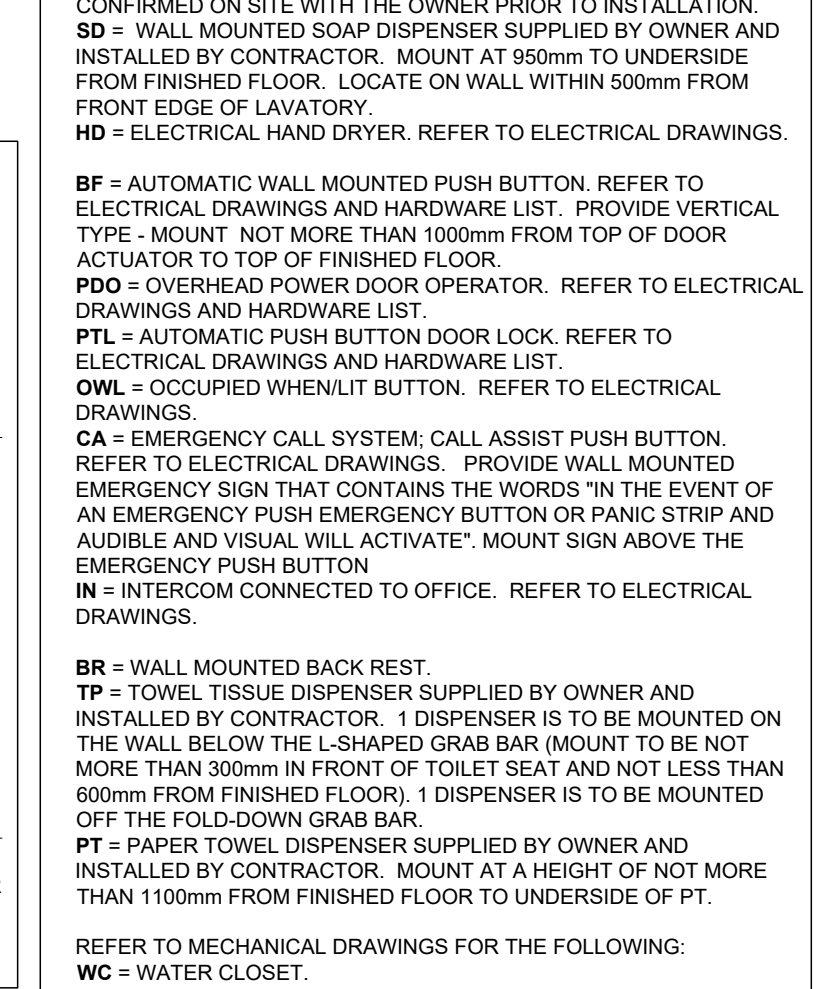
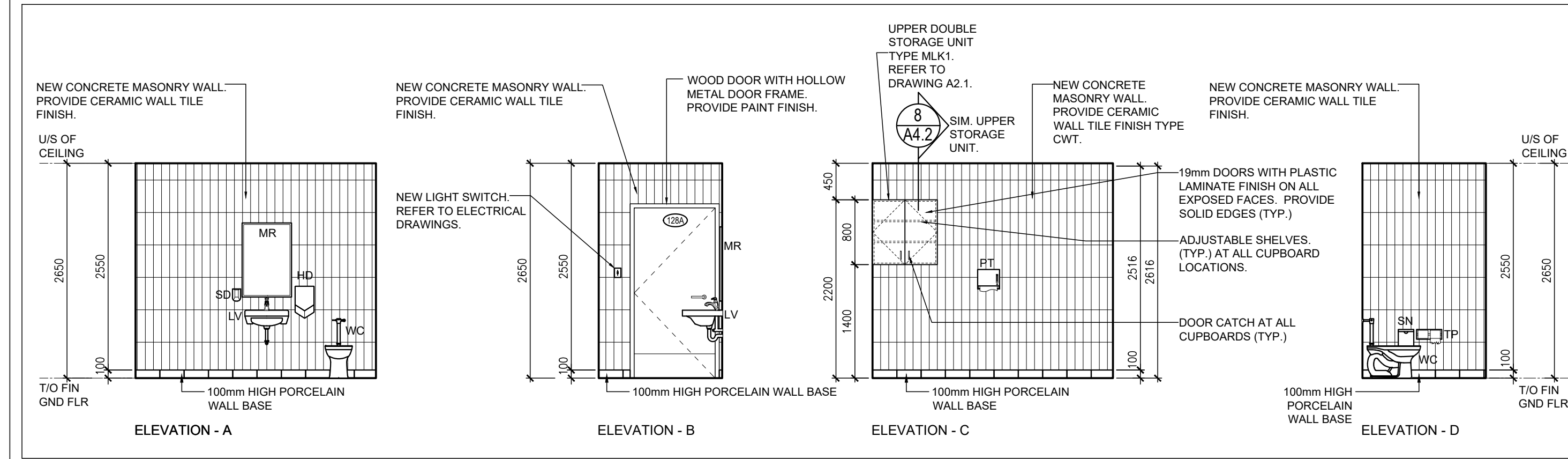


project  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
TENDER 24-7540-RFT  
WATERLOO REGION DISTRICT SCHOOL BOARD  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
drawing  
INTERIOR ELEVATIONS AND DETAILS  
drawing scale  
AS NOTED  
ward99 project number  
23016 - WRDSB PIONEER PARK

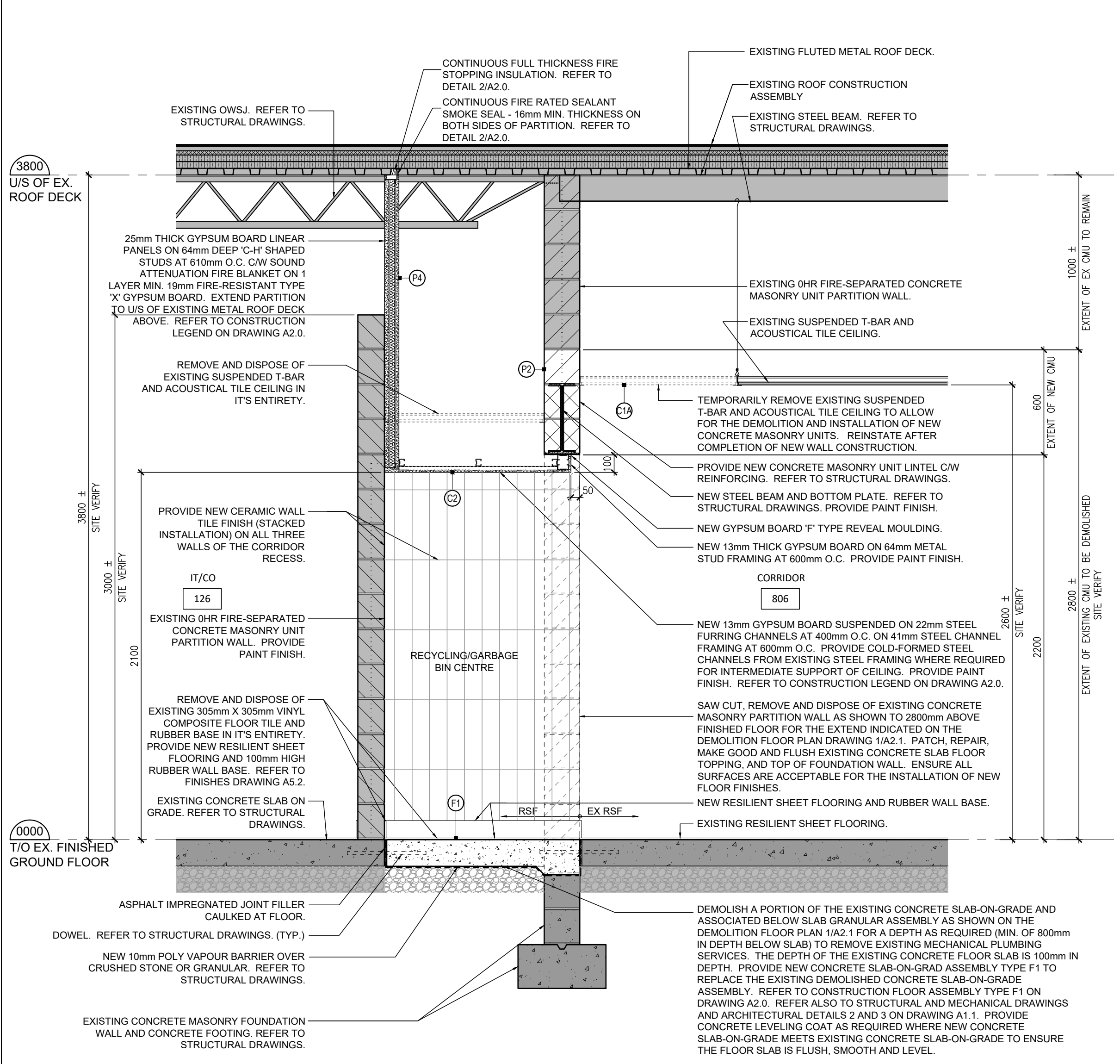
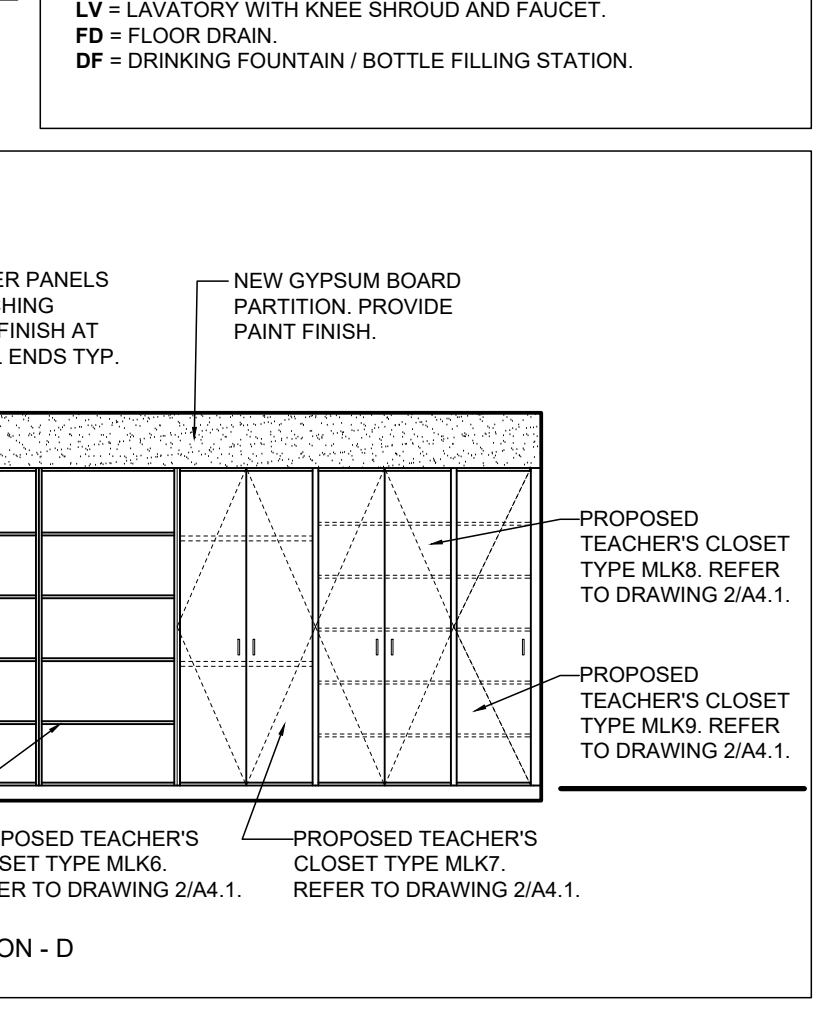
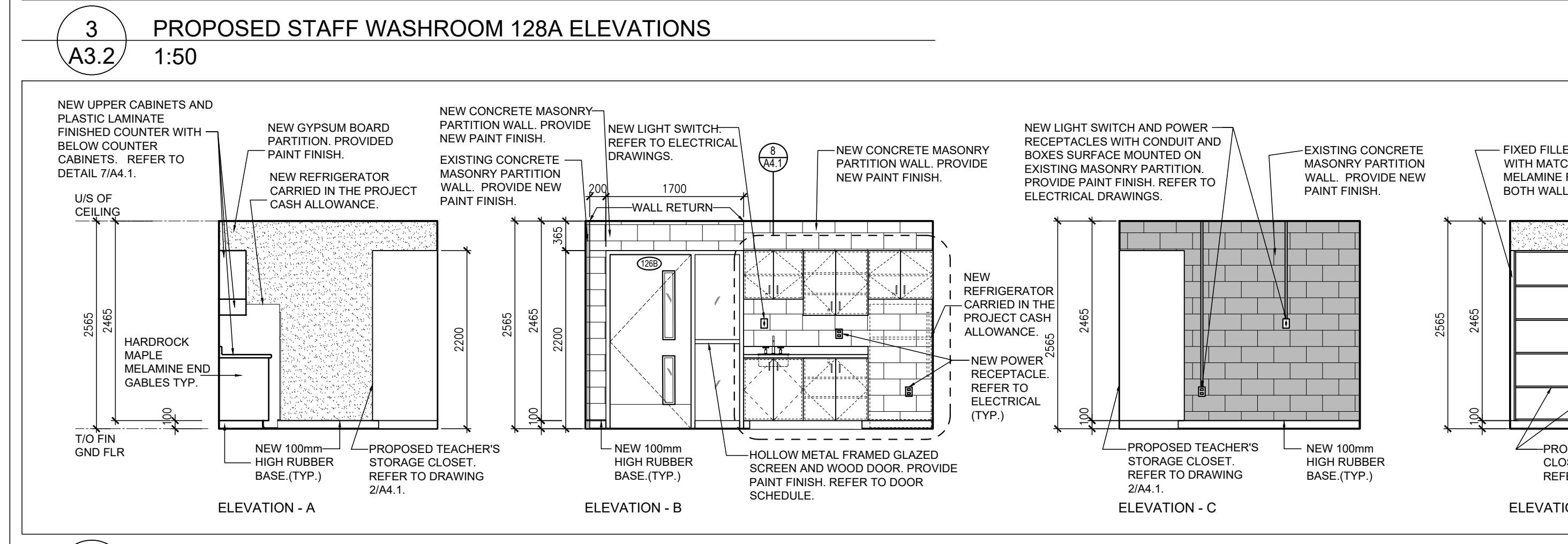
ward99 architects  
drawing no.  
**A3.1**  
ward99 architects inc.  
2500 Highway 27, Unit 27B  
Vaughan ON L4H 0J2  
info@ward99.com  
416-613-5880 www.ward99.com



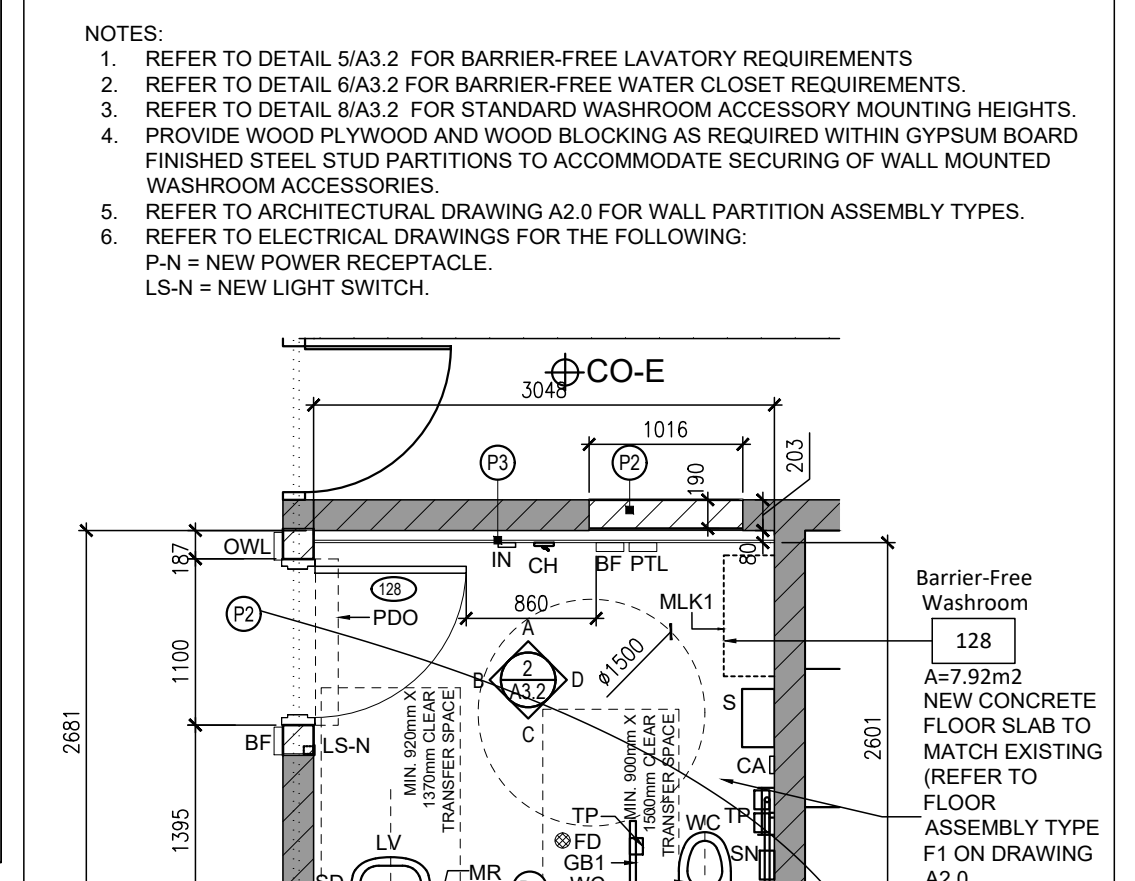
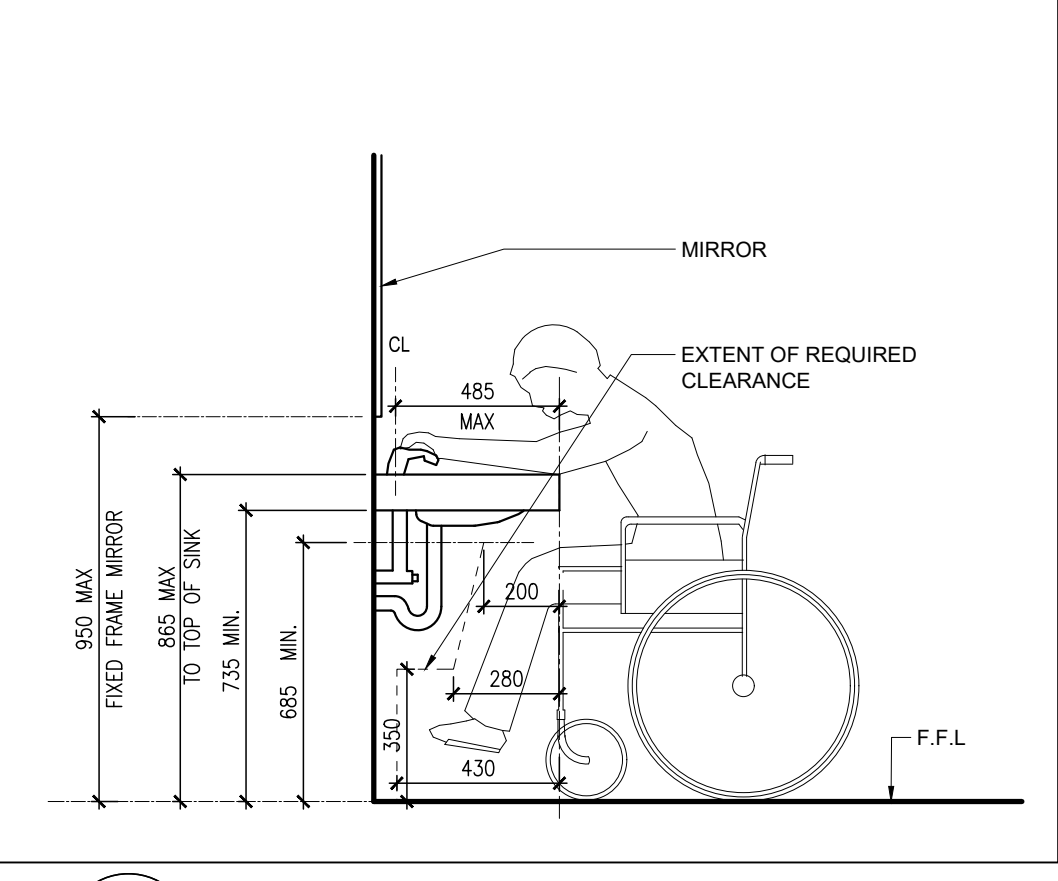
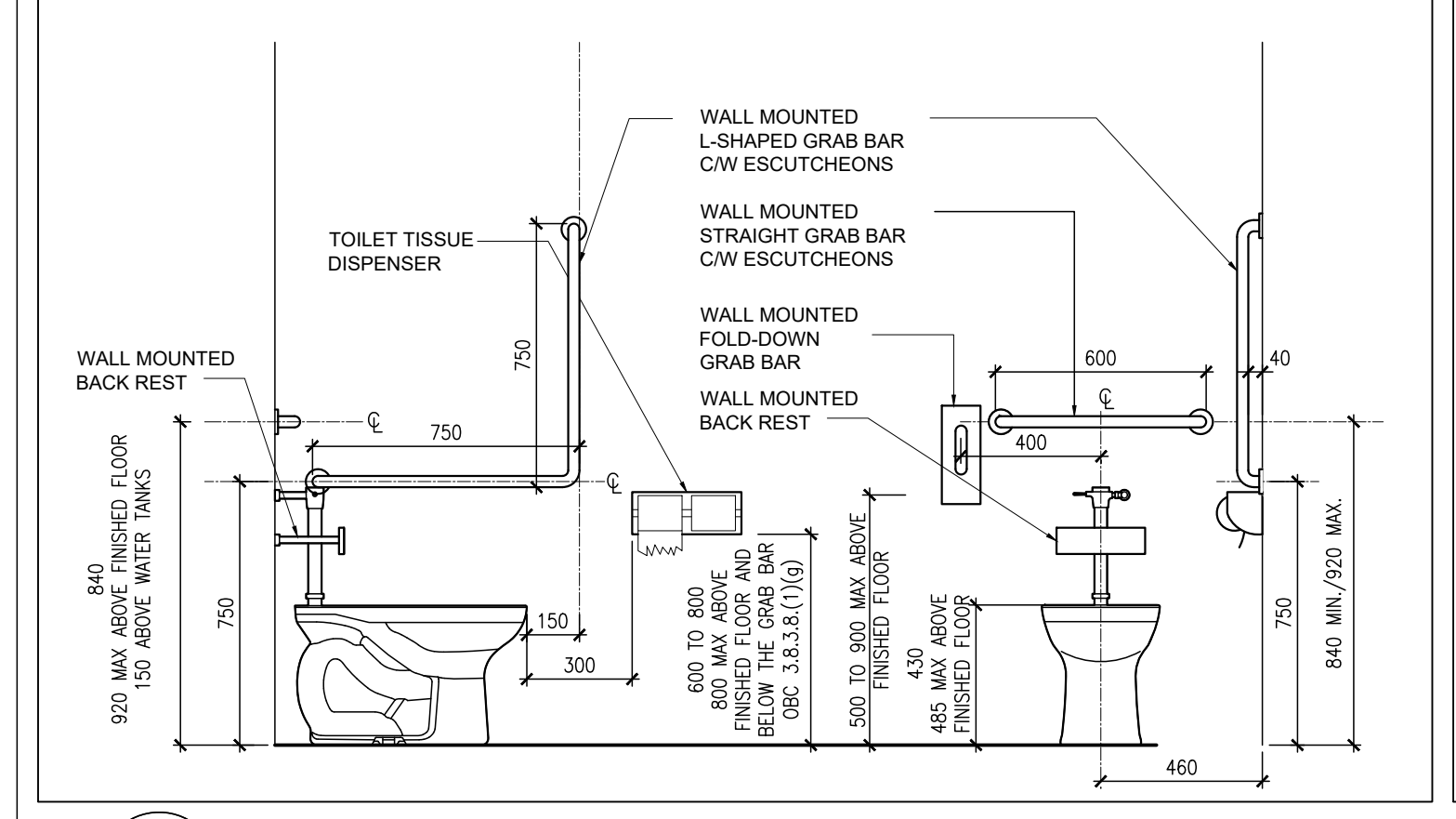
2 PROPOSED BARRIER-FREE WASHROOM 128 ELEVATIONS  
A3.2 1:50



10 WALL SECTION AT DRINKING FOUNTAIN / BOTTLE FILLER STATION  
A3.2 1:20

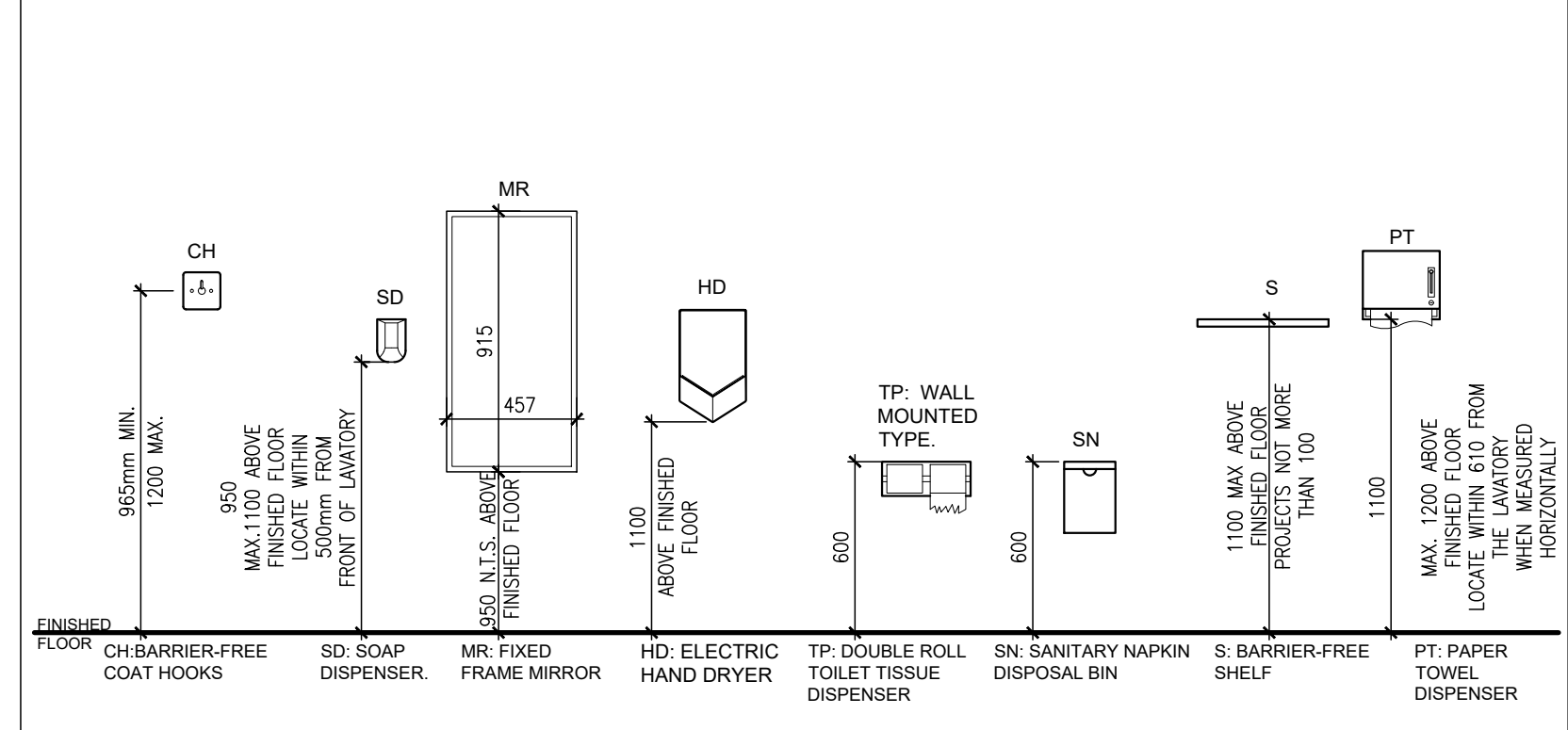
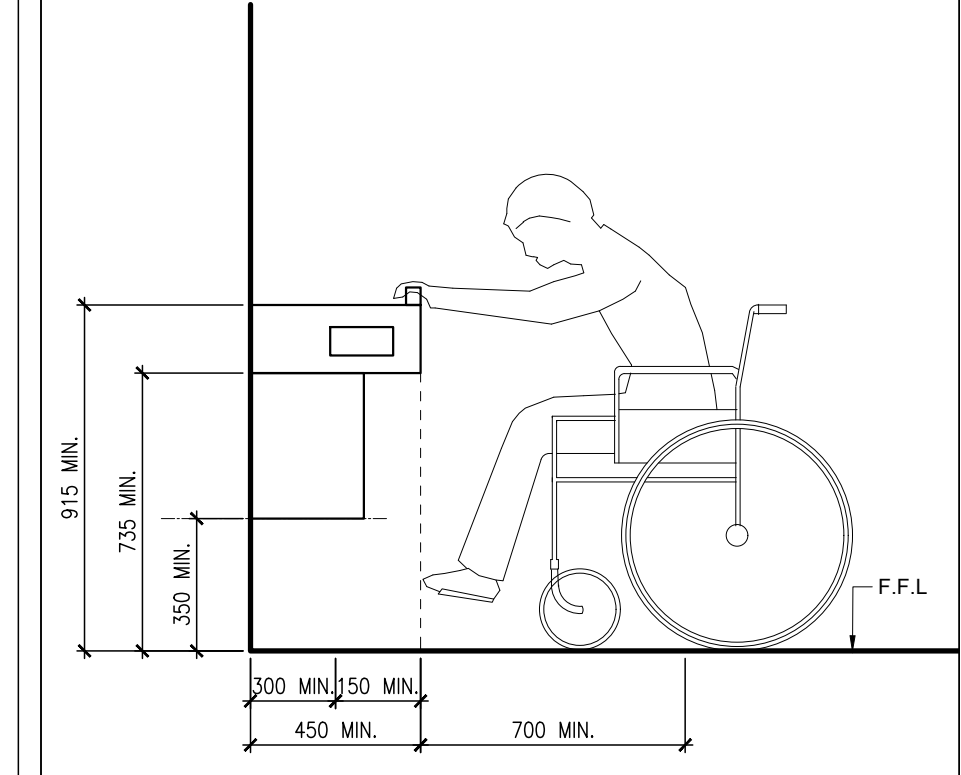


4 PROPOSED OPEN CLOSET NUTRITION FOR LEARNING 128B ELEVATIONS  
A3.2 1:50



5 BARRIER FREE WASHROOM REQUIREMENTS  
A3.2 1:20

6 BARRIER-FREE LAVATORY REQUIREMENTS  
A3.2 1:20



7 BARRIER-FREE DRINKING FOUNTAIN REQUIREMENTS  
A3.2 1:20

8 WASHROOM ACCESSORIES HEIGHTS  
A3.2 1:25

1 ENLARGED PROPOSED FLOOR PLANS AT WASHROOMS 128 & 128A  
A3.2 1:50

9 WALL SECTION AT RECYCLING BIN CENTRE  
A3.2 1:20

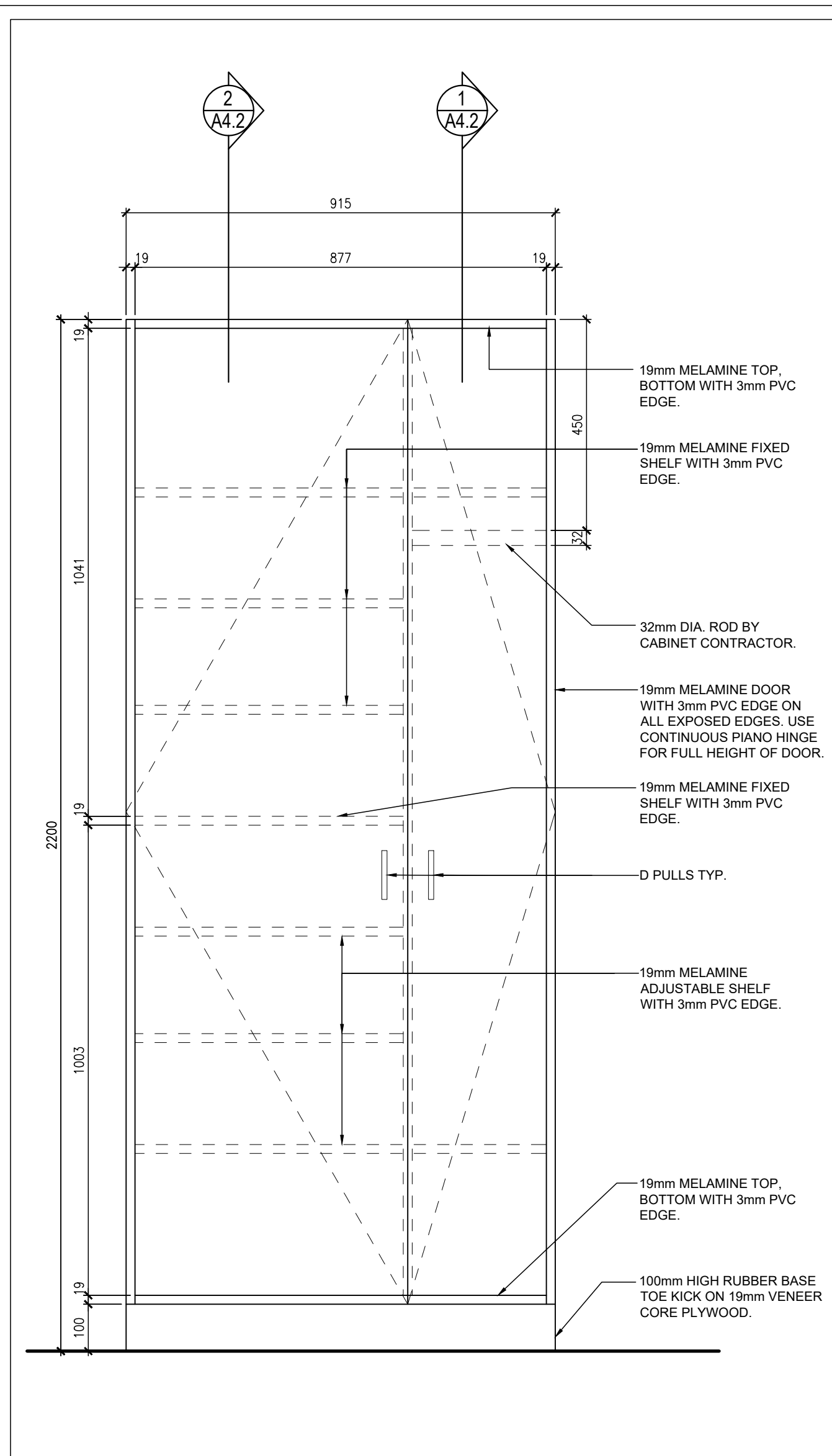
NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| no. | revision | date |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |

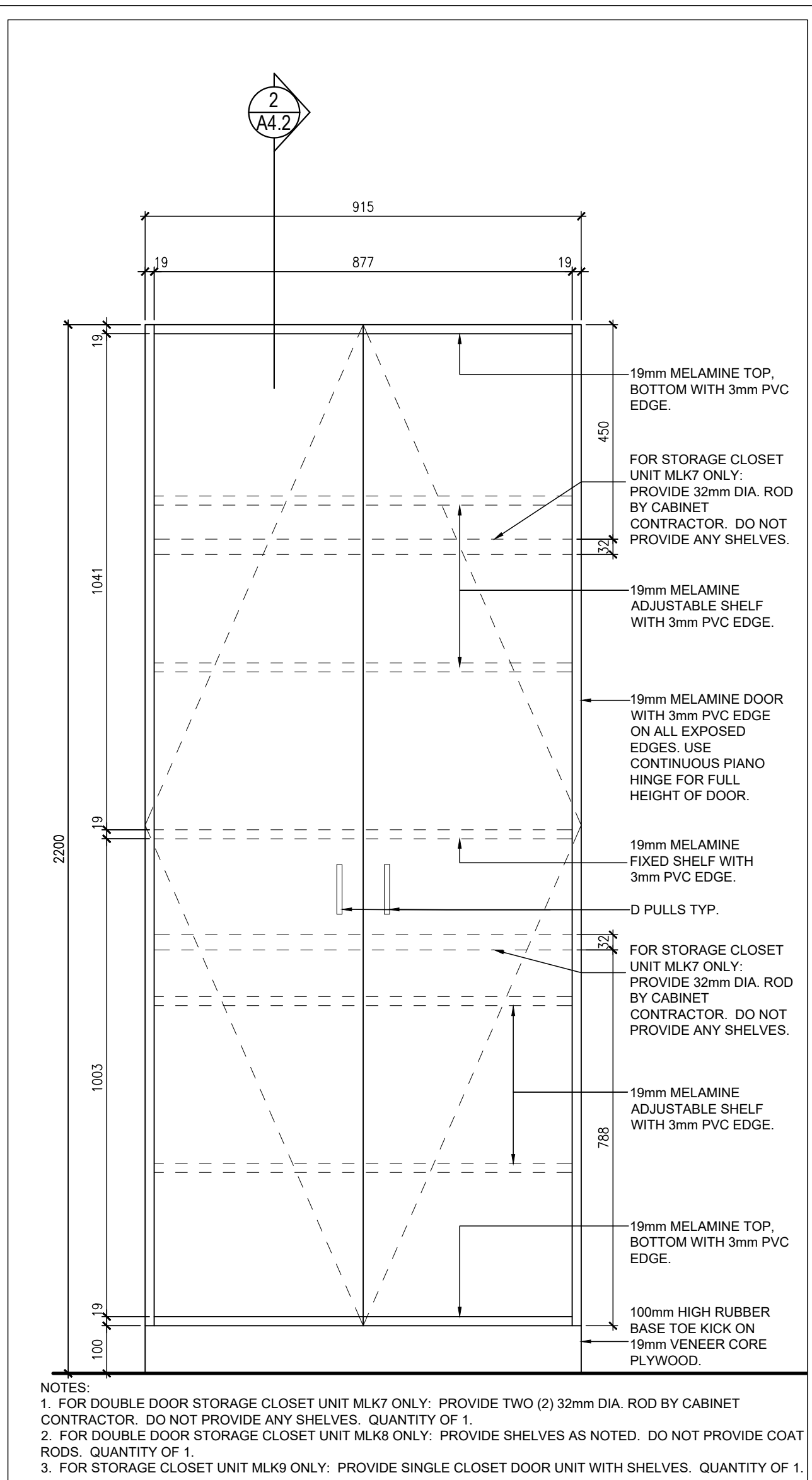
| no. | issue                              | date           |
|-----|------------------------------------|----------------|
| 1.  | Issued for Owner Review            | Dec-5-2023     |
| 2.  | Issued for Schematic Design Report | Dec-31-2023    |
| 3.  | Issued for Permit and Tender       | March 22, 2024 |

PROJECT  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
TENDER 24-7540-RFT  
WATERLOO REGION DISTRICT SCHOOL BOARD  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
ENLARGED WASHROOM FLOOR PLANS, DETAILS AND INTERIOR ELEVATIONS AND BUILDING SECTIONS  
drawing scale

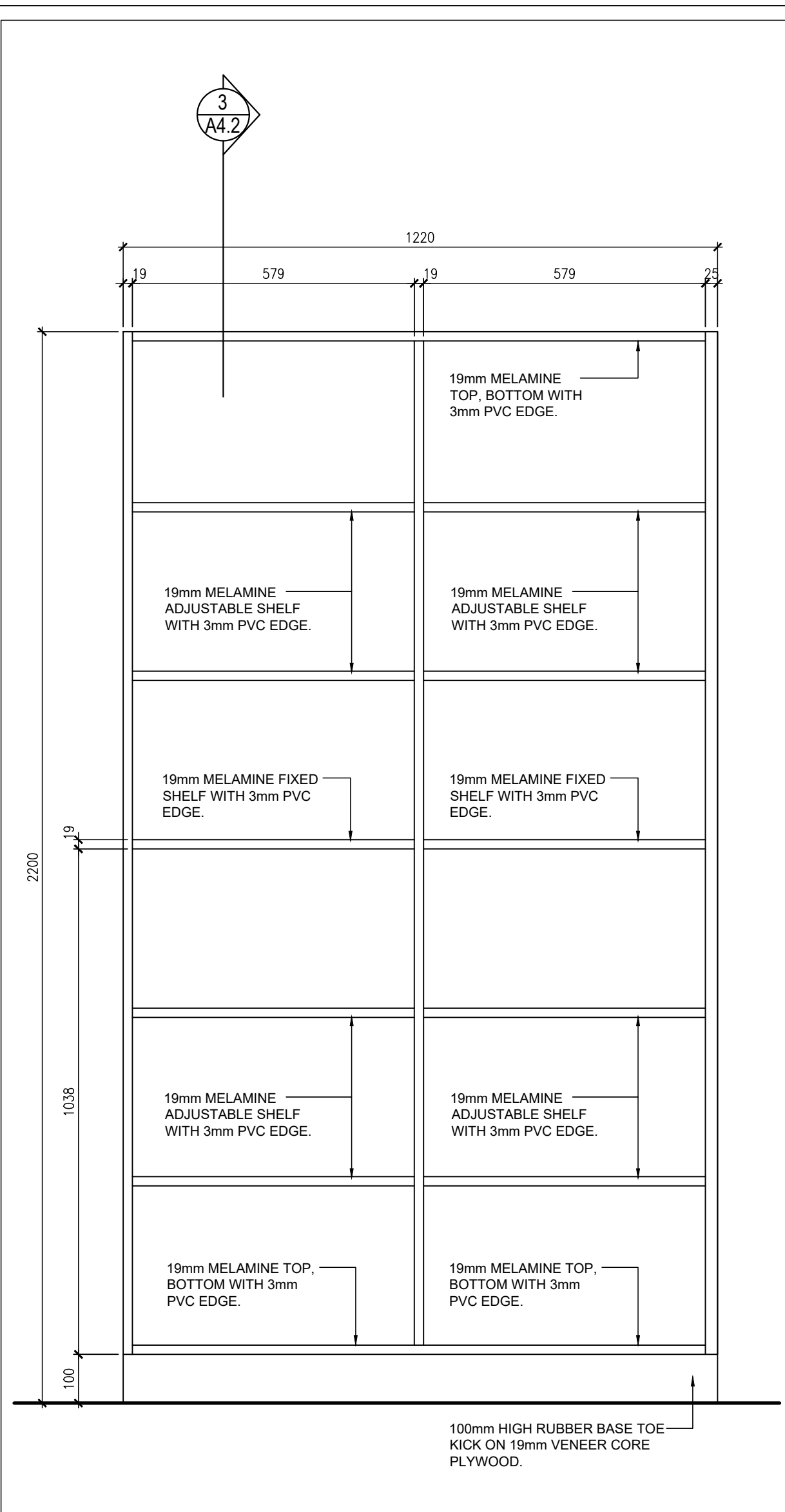
AS NOTED  
ward99 project number  
23016 - WRDSB PIONEER PARK  
ward99 architects inc.  
drawing no.  
**A3.2**  
ward99 architects inc.  
2300 Highway 07, Unit 27B  
Vaughan ON L4H 0J2  
info@ward99.com  
416-613-5880 www.ward99architects.com



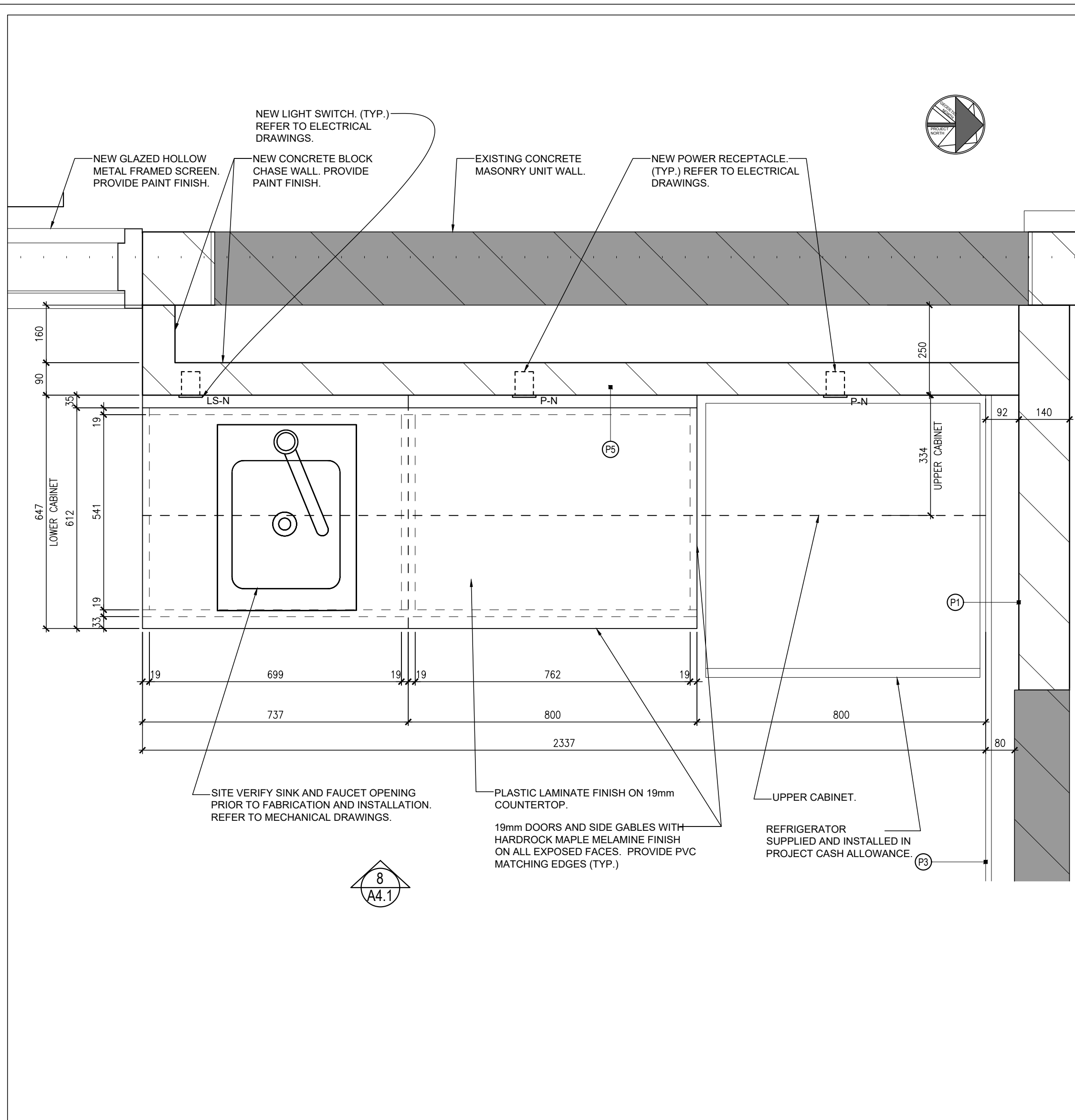
1  
A4.1 TEACHER'S CLOSET TYPE MLK5  
FRONT ELEVATION 1:10



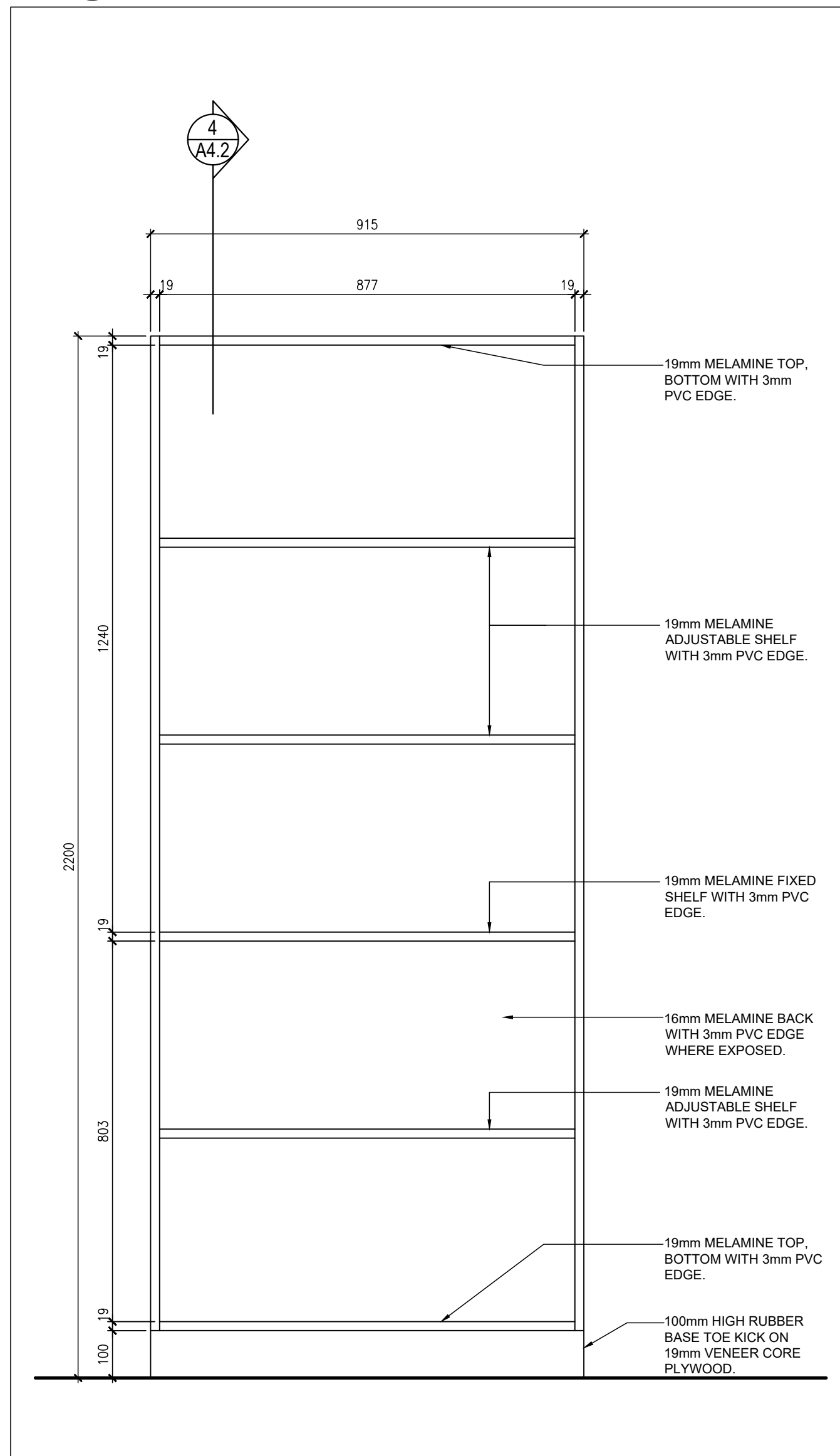
2  
A4.1 TEACHER'S STORAGE CLOSET FRONT ELEVATION  
1:10



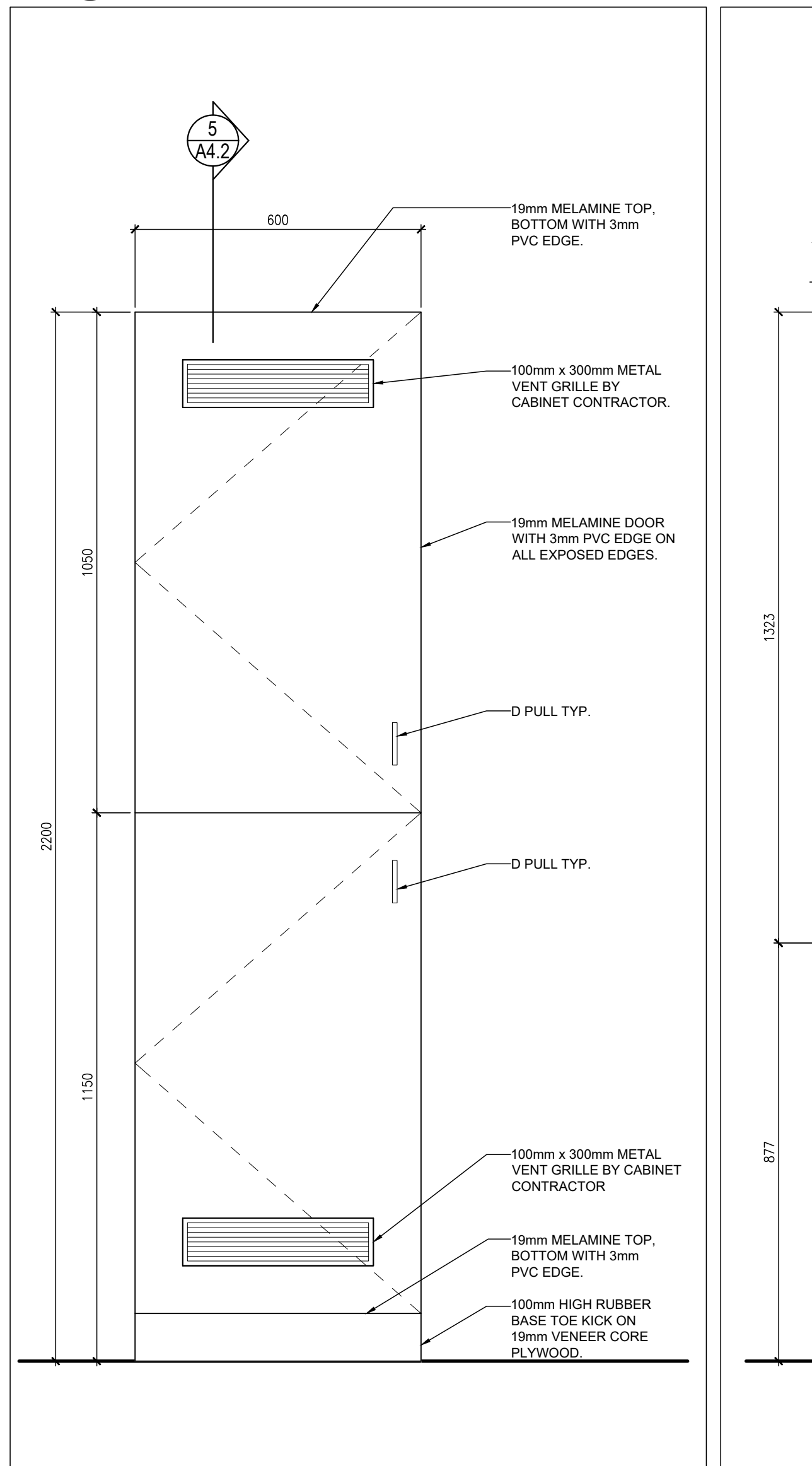
3  
A4.1 TALL BOOK SHELF TYPE MLK6  
FRONT ELEVATION 1:10



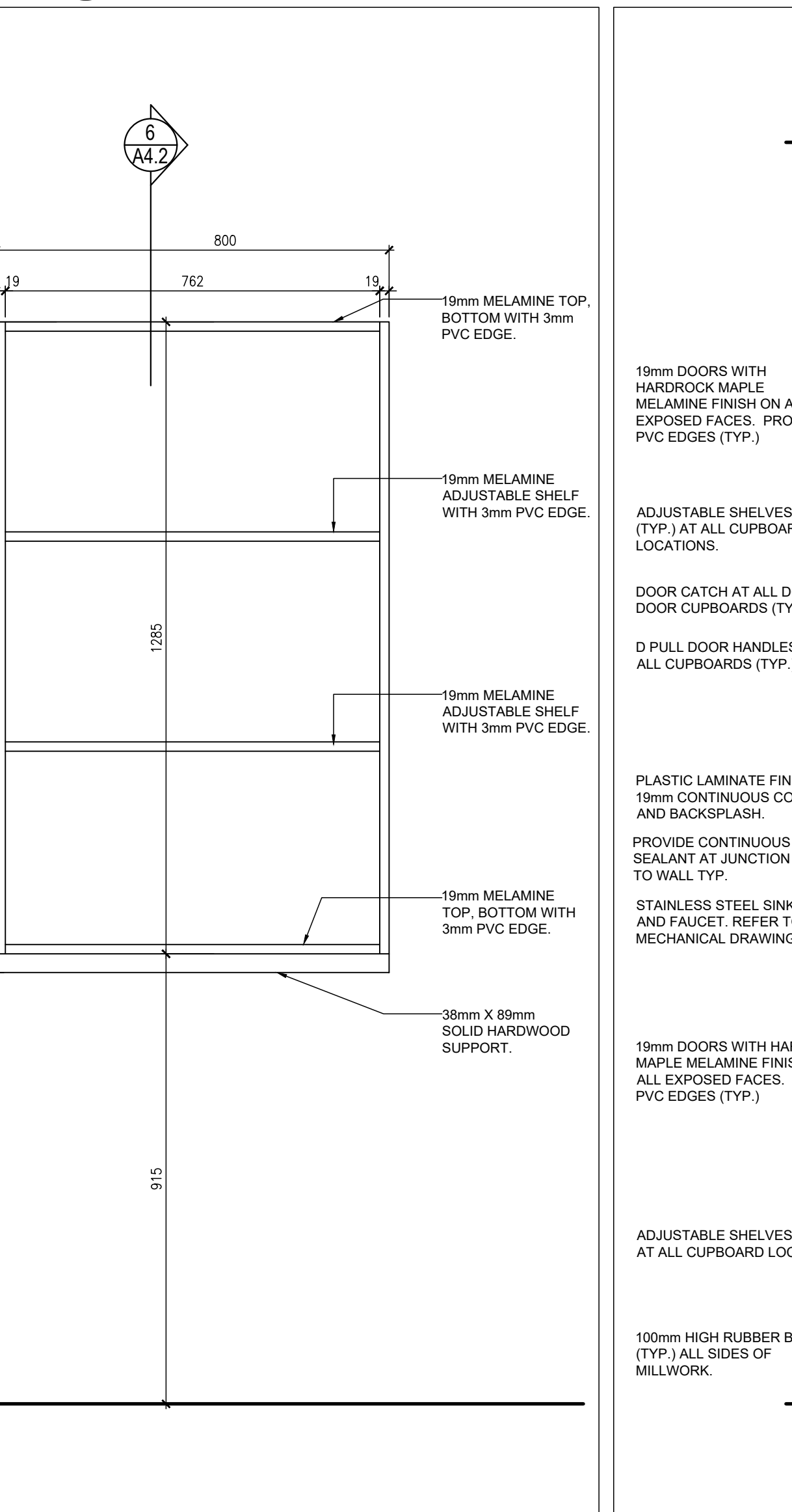
7  
A4.1 MILLWORK PLAN AT OPEN CLOSET N.F.L. 126B  
1:10



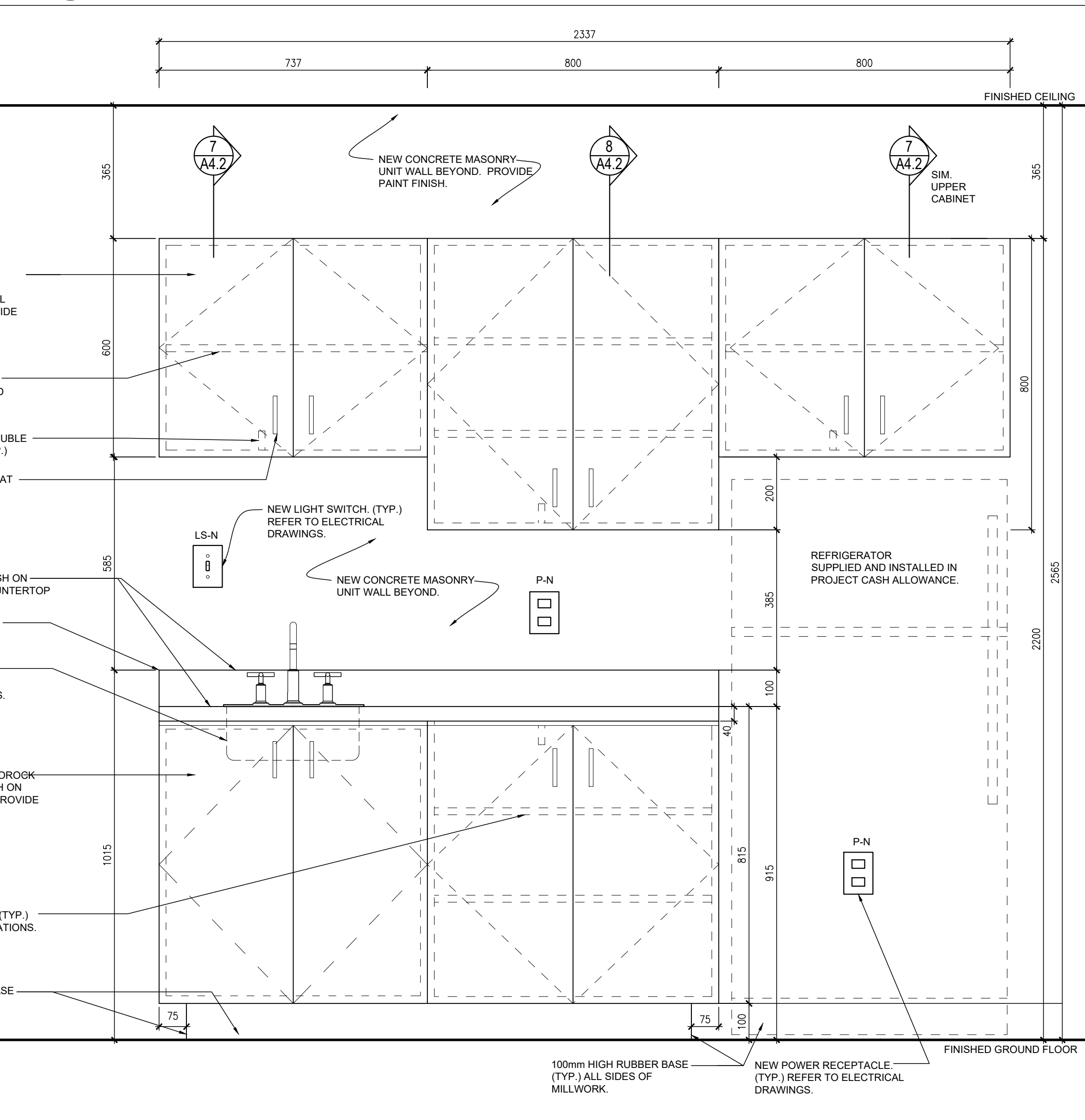
4  
A4.1 OPEN SHELF UNIT TYPE MLK2 - FRONT ELEVATION  
1:10



5  
A4.1 UNIFORM STORAGE TYPE MLK4  
FRONT ELEVATION 1:10



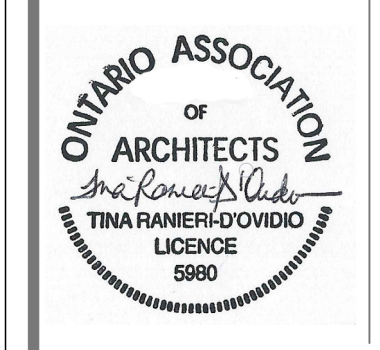
6  
A4.1 UPPER STORAGE UNIT TYPE MLK3  
FRONT ELEVATION 1:10



8  
A4.1 MILLWORK ELEVATION AT OPEN CLOSET N.F.L. 126B  
1:10

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| no. | revision | date |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |



| no. | issue                              | date           |
|-----|------------------------------------|----------------|
| 1.  | Issued for Owner Review            | Dec 5, 2023    |
| 2.  | Issued for Schematic Design Report | Dec 21, 2023   |
| 3.  | Issued for Permit and Tender       | March 22, 2024 |

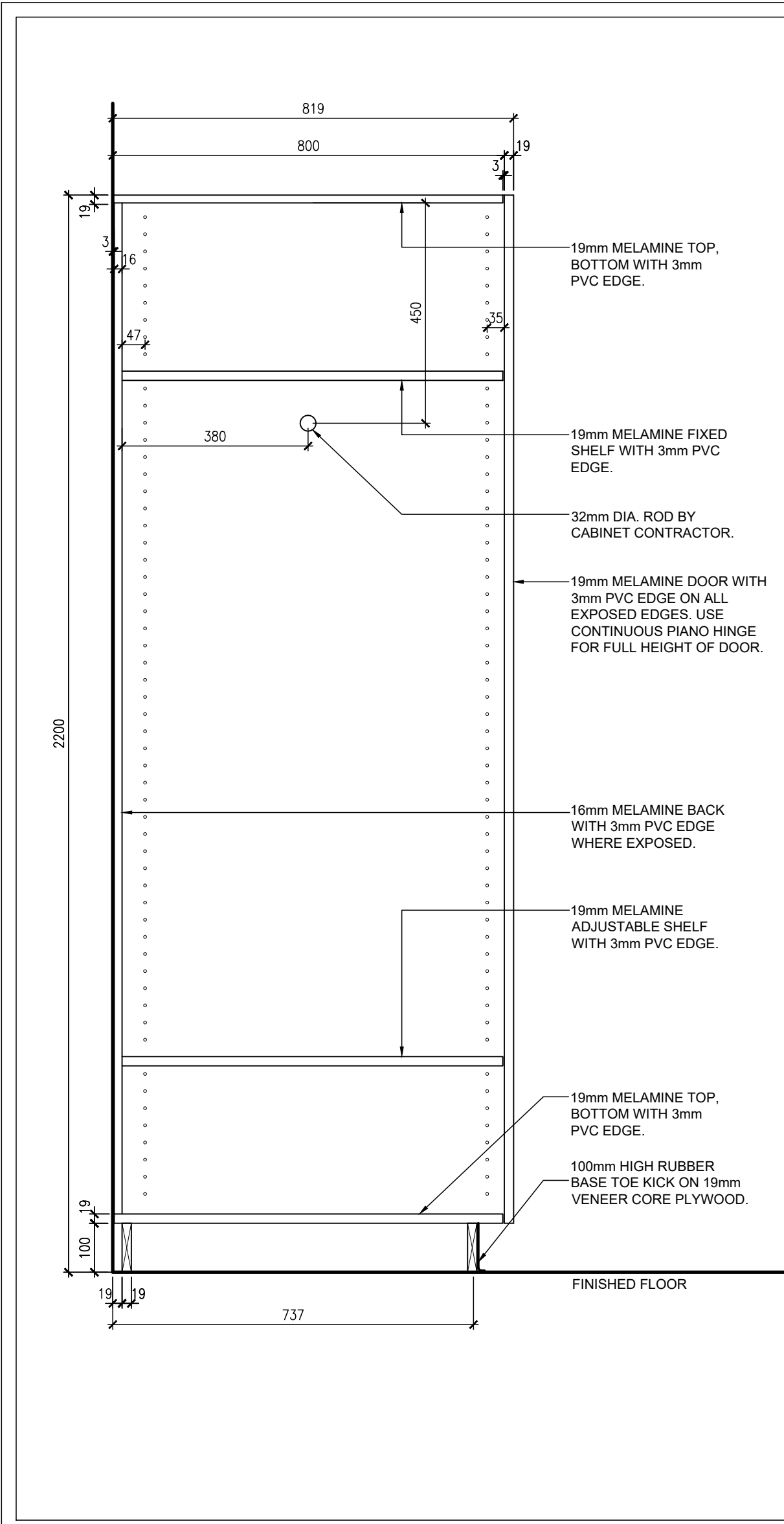
project  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
TENDER 24-7540-RFT  
WATERLOO REGION DISTRICT SCHOOL BOARD  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2

MILLWORK PLAN AND MILLWORK ELEVATIONS  
drawing scale  
AS NOTED  
ward99 project number  
23016 - WRDSB PIONEER PARK

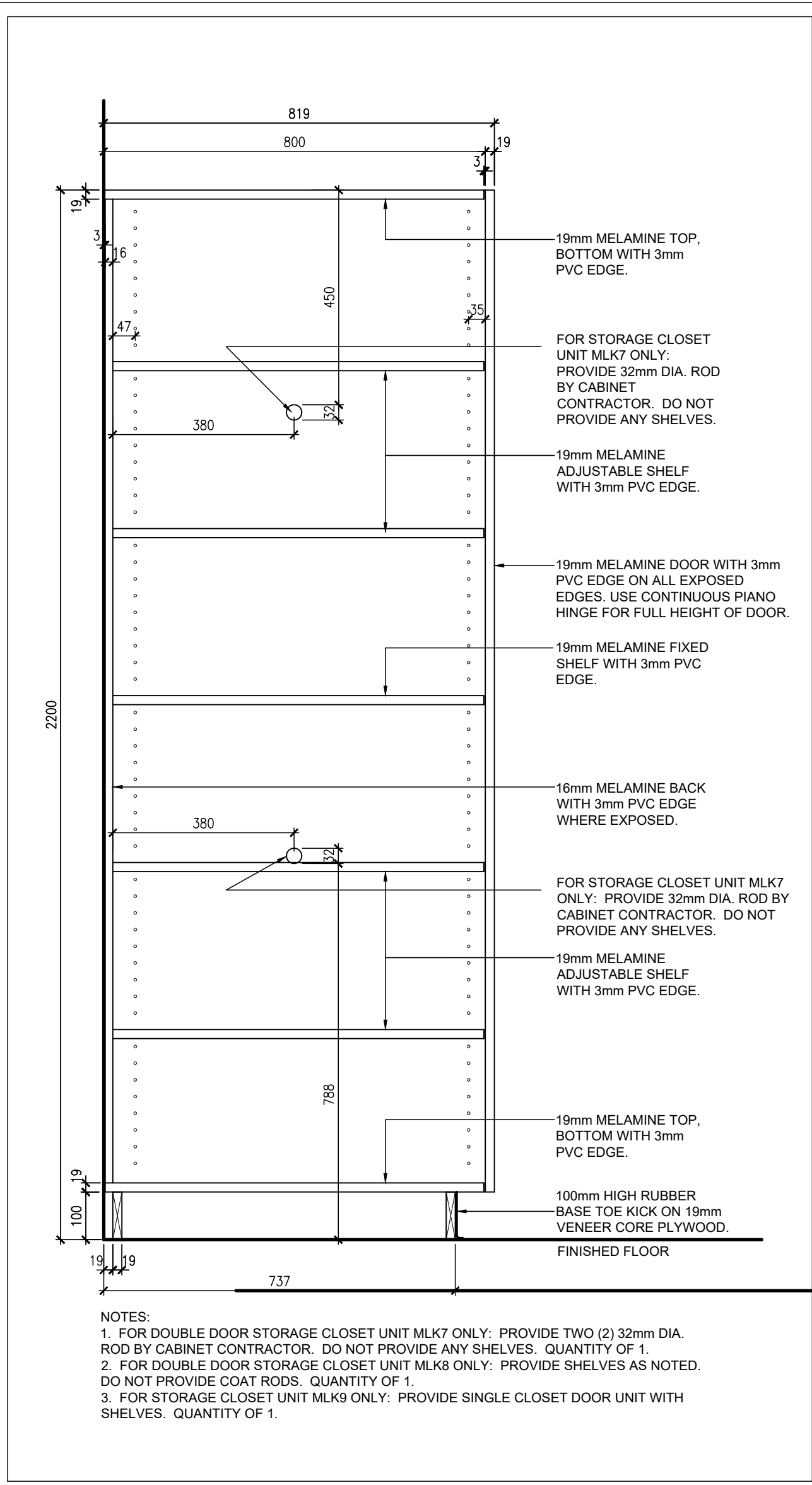
ward99 architects  
drawing no.  
**A4.1**

ward99 architects inc.  
2500 Highway 27, Unit 27B  
Vaughan ON L4H 0J2  
info@ward99.com  
416 613 5860 www.ward99.com

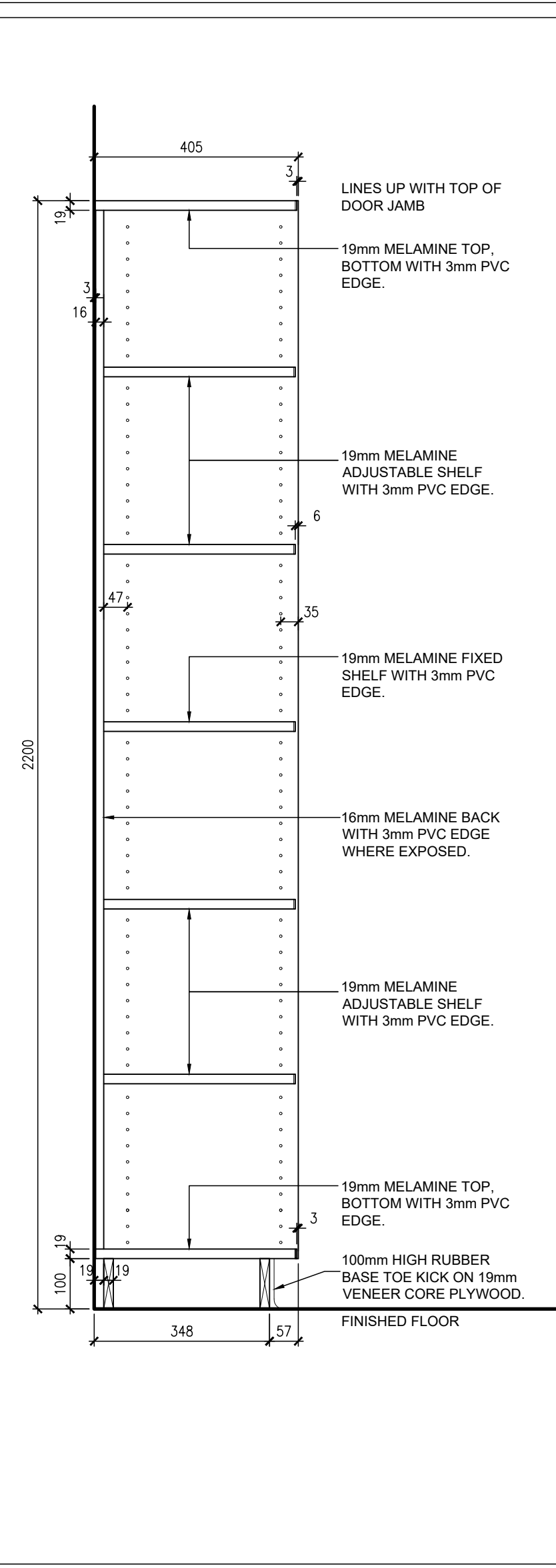




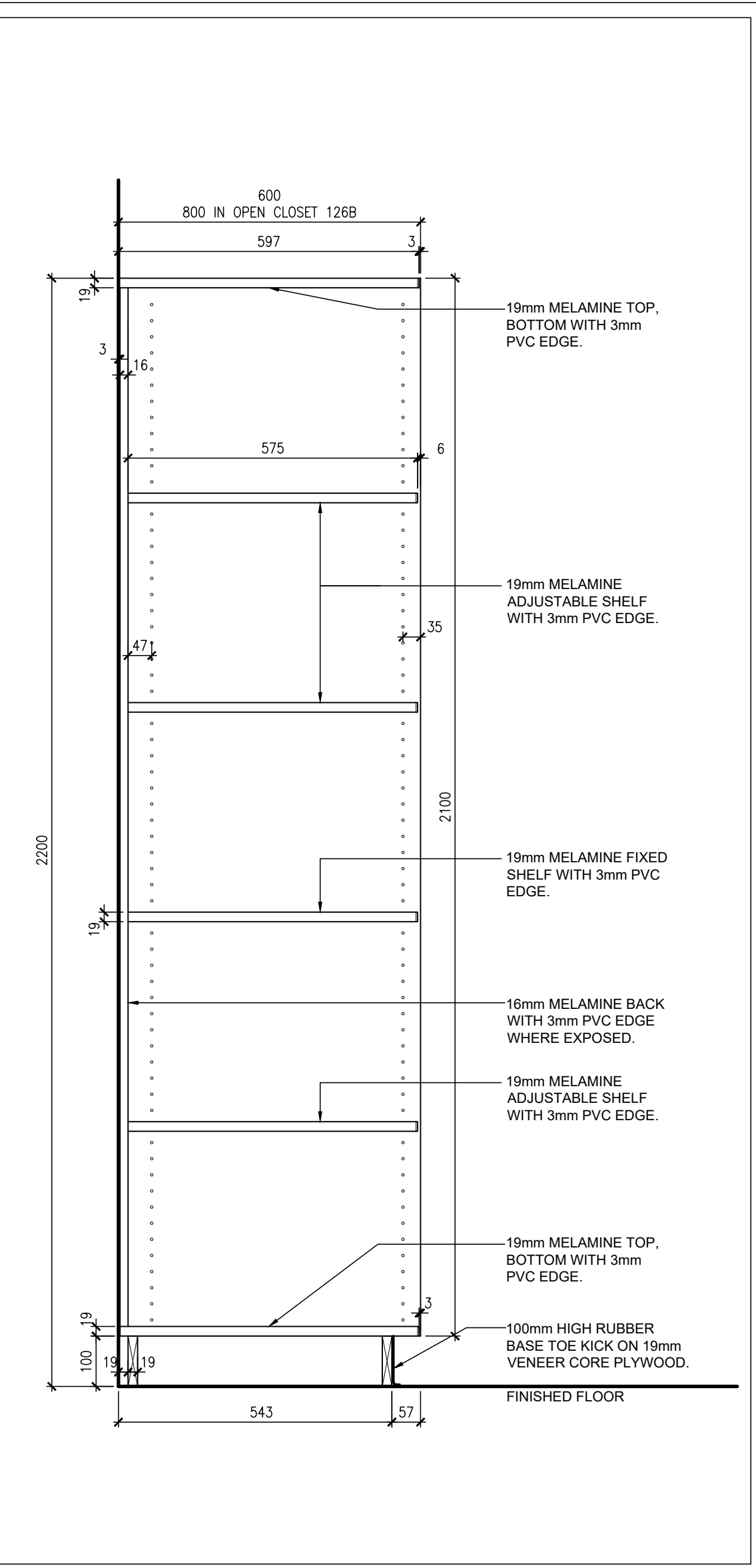
1  
A4.2 TEACHER'S CLOSET SECTION DETAIL  
1:10



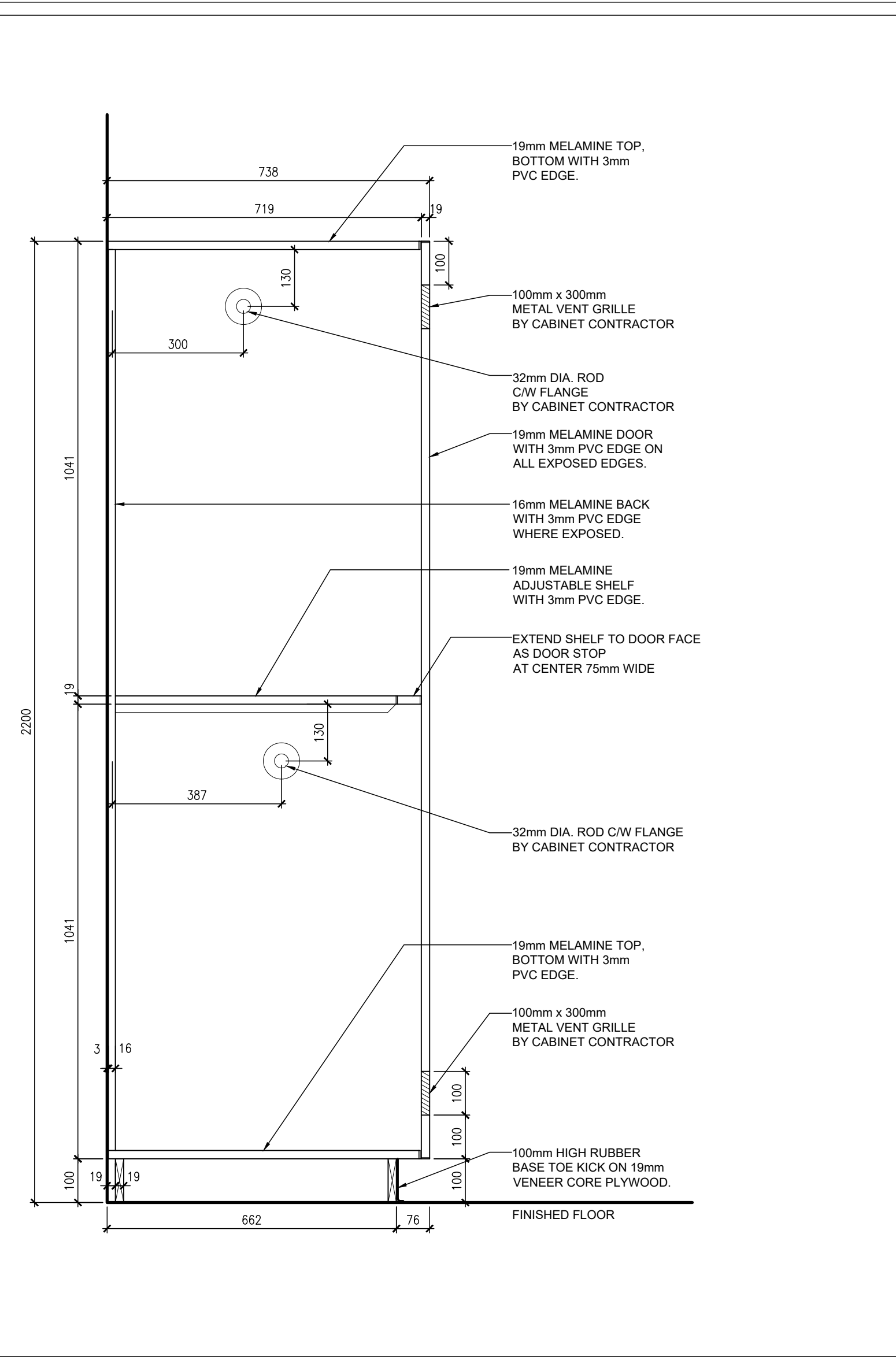
2  
A4.2 TEACHER'S CLOSET SECTION DETAIL  
1:10



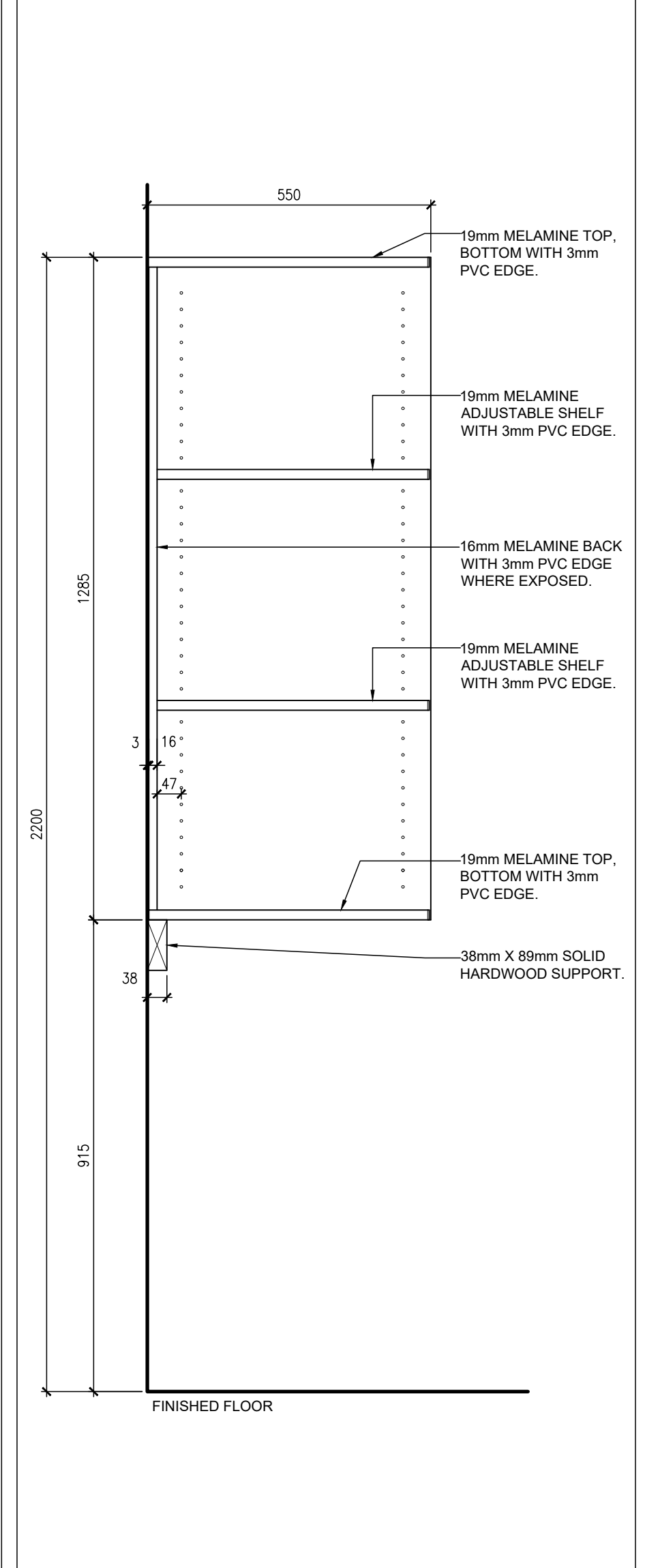
3  
A4.2 TALL BOOK SHELF SECTION  
DETAIL  
1:10



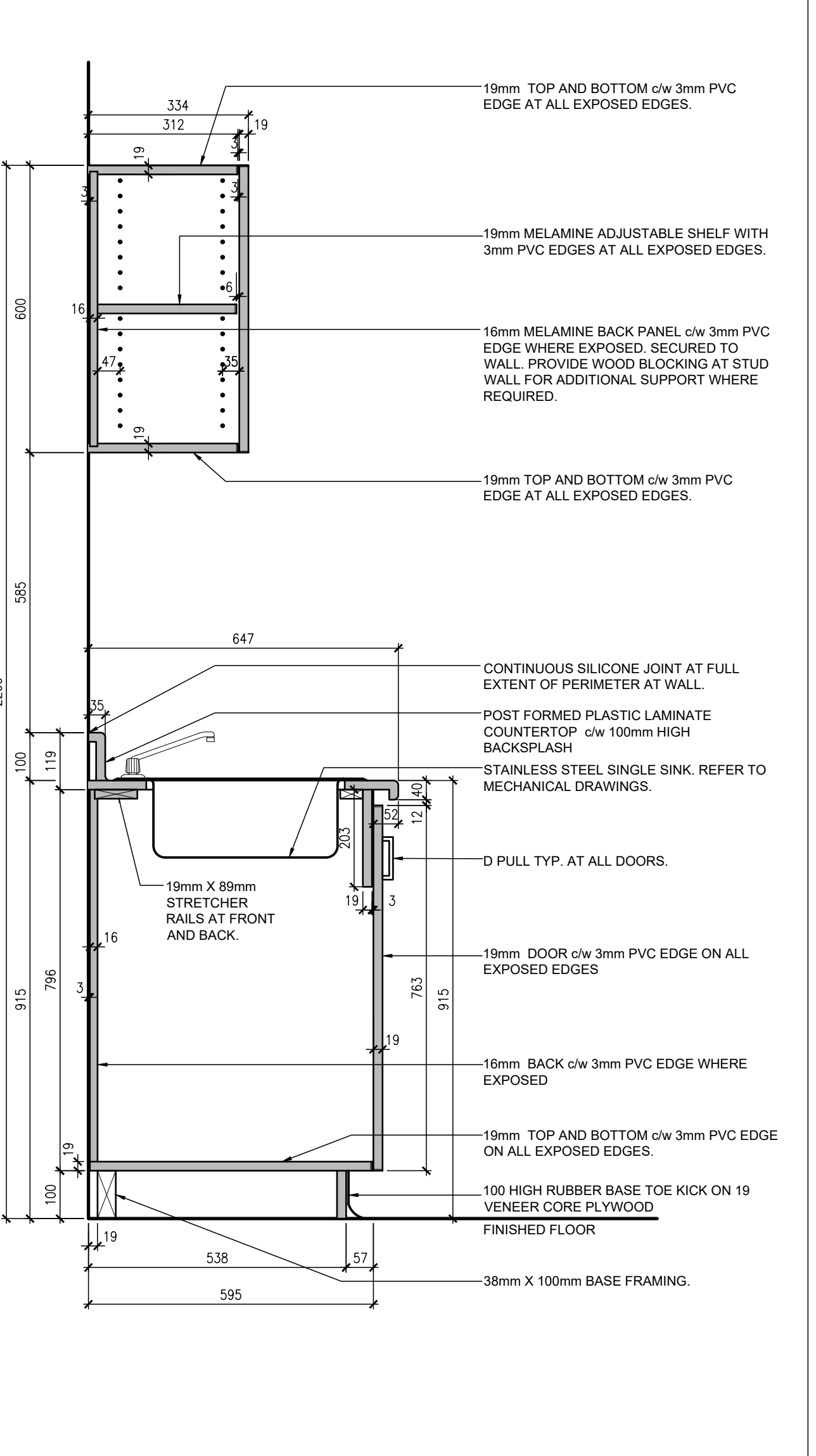
4  
A4.2 OPEN SHELF - TYP. SECTION DETAIL  
1:10



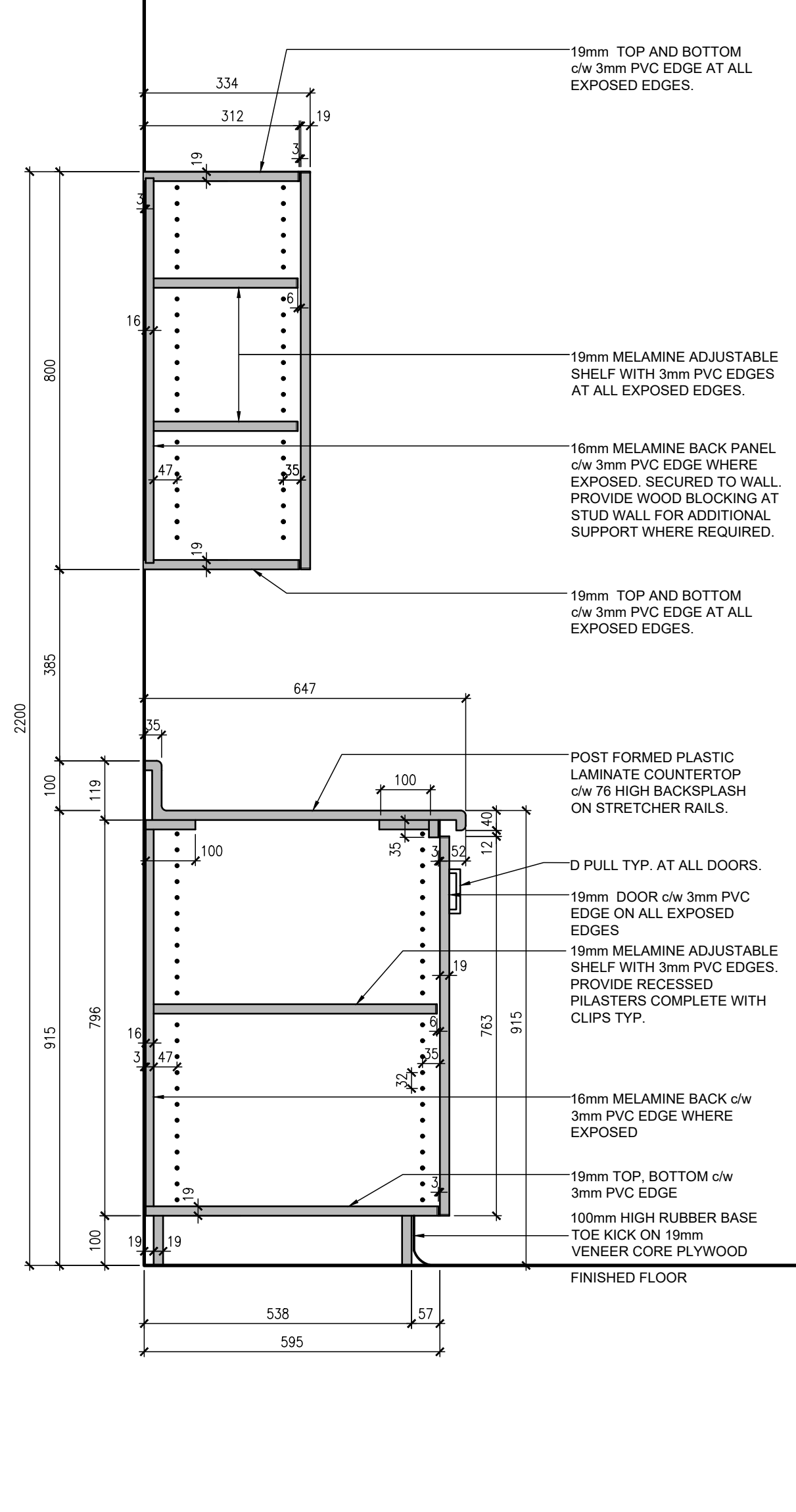
5  
A4.2 UNIFORM STORAGE UNIT TYPE MLK4 - SECTION DETAIL  
1:10



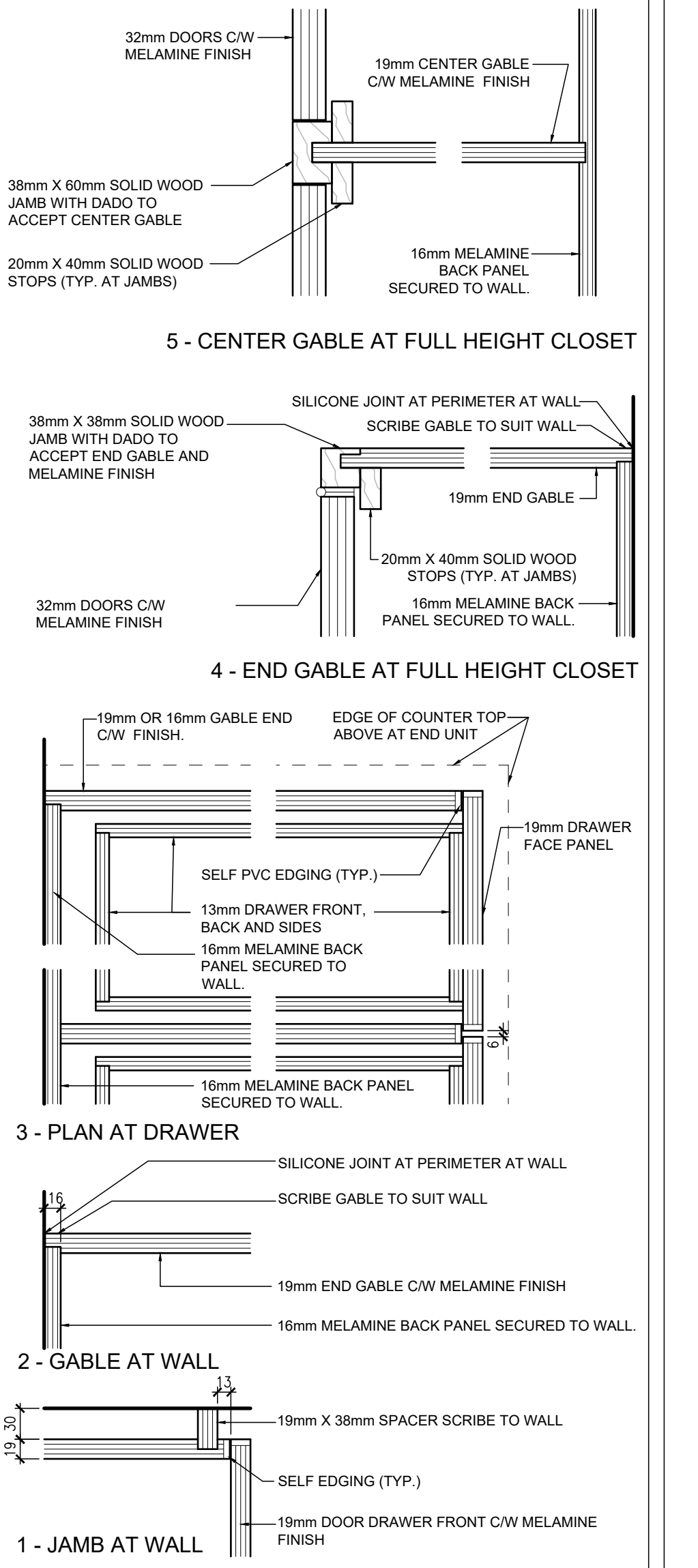
6  
A4.2 UPPER STORAGE UNIT TYPE  
MLK3 - SECTION DETAIL  
1:10



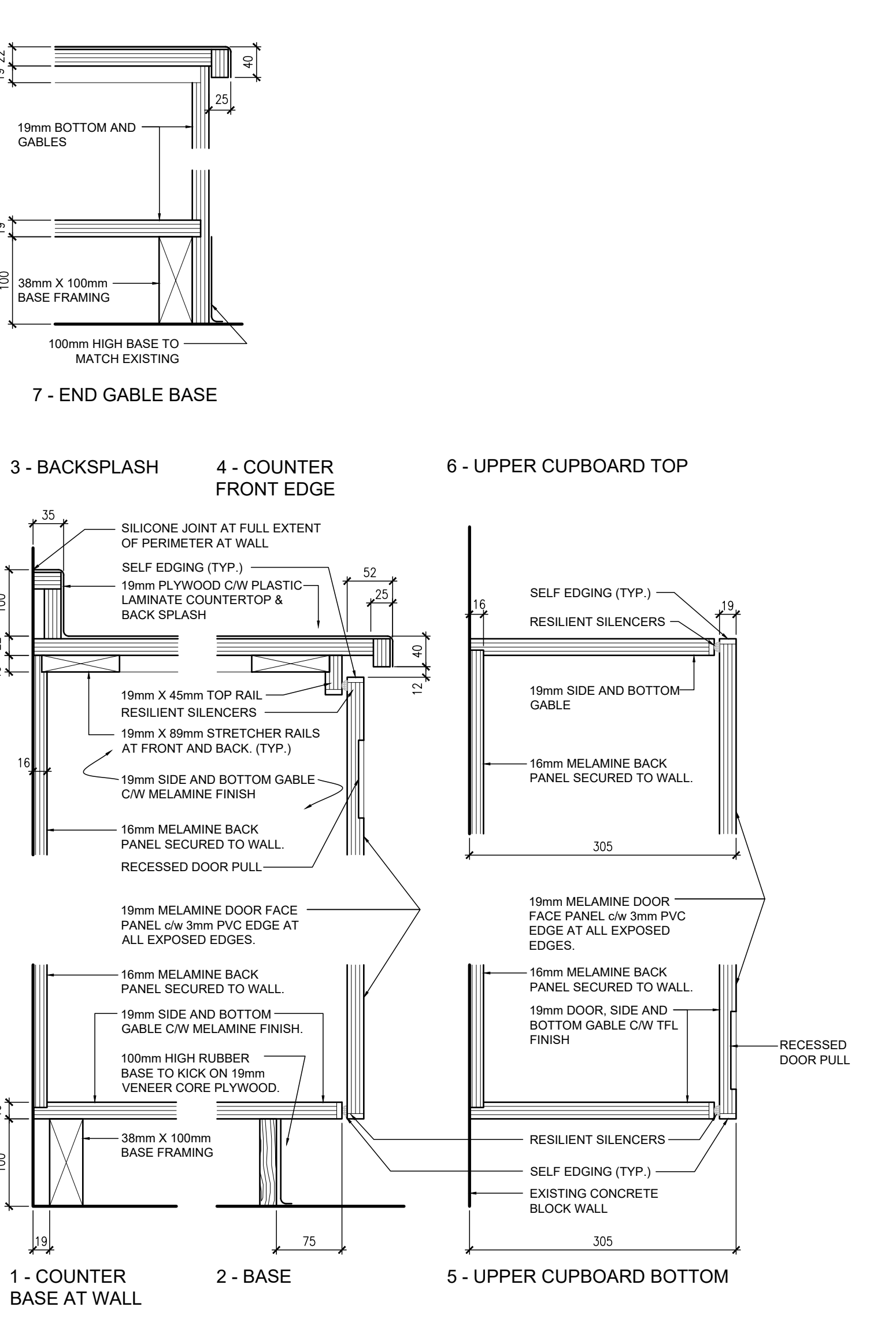
7  
A4.2 MILLWORK COUNTER SECTION DETAIL  
1:10



8  
A4.2 MILLWORK COUNTER SECTION DETAIL  
1:10



9  
A4.2 TYPICAL MILLWORK PLAN DETAILS  
1:5



10  
A4.2 TYPICAL MILLWORK SECTION DETAILS  
1:5

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| no. | revision                           | date           |
|-----|------------------------------------|----------------|
| 1.  | Issued for Owner Review            | Dec 5, 2023    |
| 2.  | Issued for Schematic Design Report | Dec 21, 2023   |
| 3.  | Issued for Permit and Tender       | March 22, 2024 |

| no. | issue                              | date           |
|-----|------------------------------------|----------------|
| 1.  | Issued for Owner Review            | Dec 5, 2023    |
| 2.  | Issued for Schematic Design Report | Dec 21, 2023   |
| 3.  | Issued for Permit and Tender       | March 22, 2024 |

project  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
TENDER 24-7540-RFT  
WATERLOO REGION DISTRICT SCHOOL BOARD  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
drawing  
MILLWORK SECTIONS AND DETAILS  
drawing scale  
ward99 project number  
23016 - WRDSB PIONEER PARK

AS NOTED  
ward99 architects  
drawing no.

**Wa RD.**  
99

ward99 architects Inc.  
2500 Highway 27, Unit 27B  
Vaughan, ON L4H 0J2  
info@ward99architects.com  
416-613-5880 www.ward99architects.com

**A4.2**



**GENERAL FLOOR FINISHES PLAN NOTES AND LEGEND**

- RFL1 - NEW RESILIENT RUBBER SHEET FLOORING IN GYMNASIUM. REFER TO SPECIFICATIONS FOR TYPE.
- RFL2 - NEW RESILIENT RUBBER SHEET FLOORING. REFER TO SPECIFICATIONS FOR TYPE.
- POR - PORCELAIN FLOOR TILE (IN WASHROOMS ONLY). SIZE: 305mm X 305mm (12" X 12"). COLOUR: REFER TO SPECIFICATIONS. INSTALLATION: AS SHOWN.
- ASF - NEW ATHLETIC FLOOR PADDING ON NEW RESILIENT SHEET FLOORING TYPE. RFL 2 PROVIDE NINE (9) FLOOR PADS AND SEVEN (7) CUSTOM SIZE OF FLOOR PADS TO SUIT EXTENT OF FLOOR. FOR SIZES, REFER TO FINISHES FLOOR PLAN AND NOTES BELOW. REFER TO FINISHES FLOOR PLAN 1/A5.2.

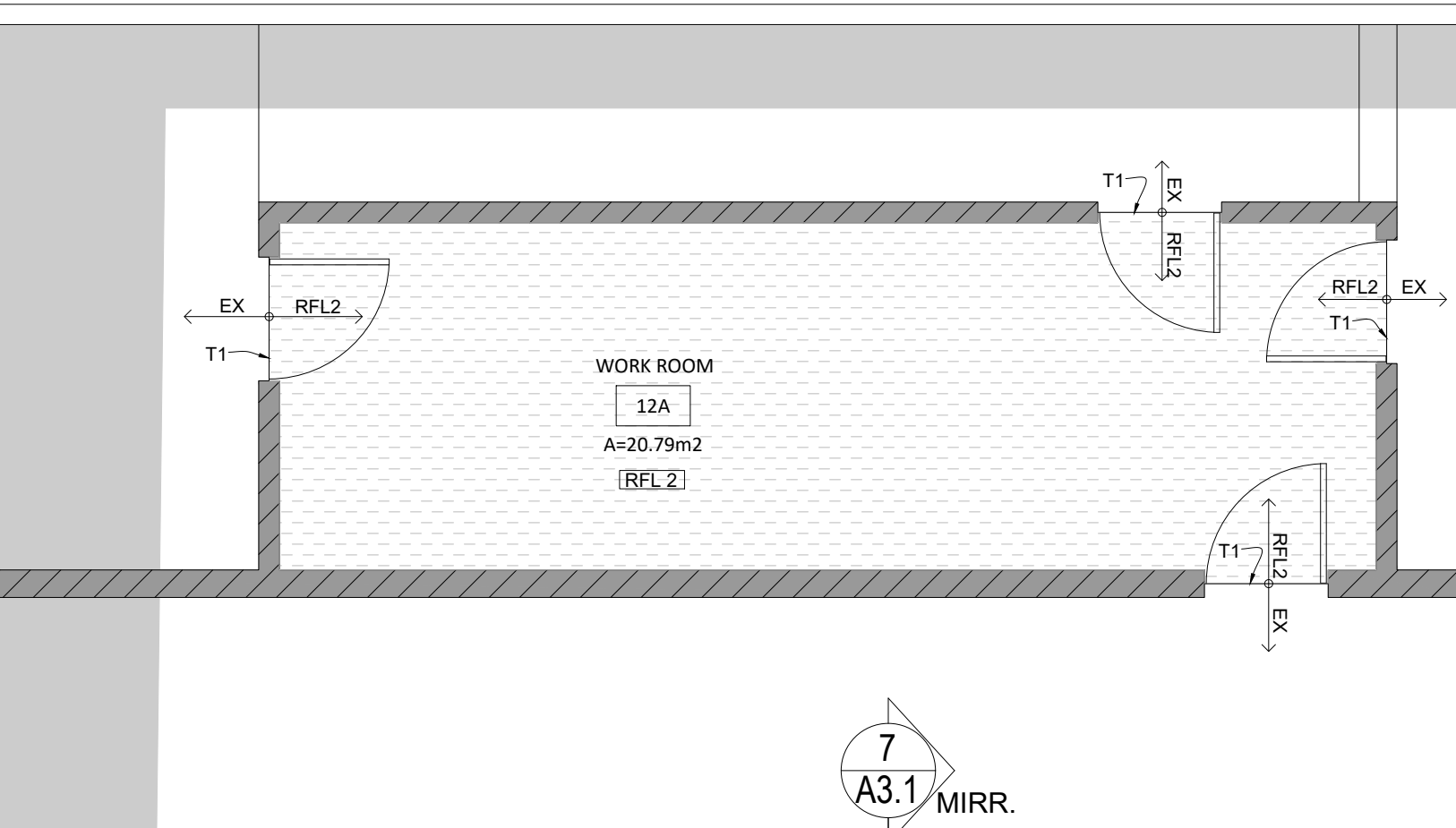
- IN SENSOORY ROOM 126A, PROVIDE THE FOLLOWING:**
- 1- PROVIDE 16 NEW FLOOR PADS FOR FULL EXTENT OF ROOM.
    - 9 PADS AT 1220mm WIDE X 1800mm LONG.
    - 3 PADS AT 1014mm WIDE X 1800mm LONG.
    - 3 PADS AT 1220mm WIDE X 645mm LONG.
    - 1 PAD AT 1014mm WIDE X 645mm LONG.
  - 2- PROVIDE WALL PADS ON ALL WALLS AS NOTED ON INTERIOR ELEVATIONS 6/A3.1.

- CERAMIC WALL TILE INDICATION**
- CWT1 - LINE TYPE INDICATES LOCATION OF CERAMIC WALL TILE (CWT). PROVIDE CWT1 FIELD TILE AT ALL LOCATIONS. PROVIDE CWT2 VERTICAL ACCENT BAND IN LOCATIONS SHOWN ONLY IN THE BARRIER-FREE WASHROOM.

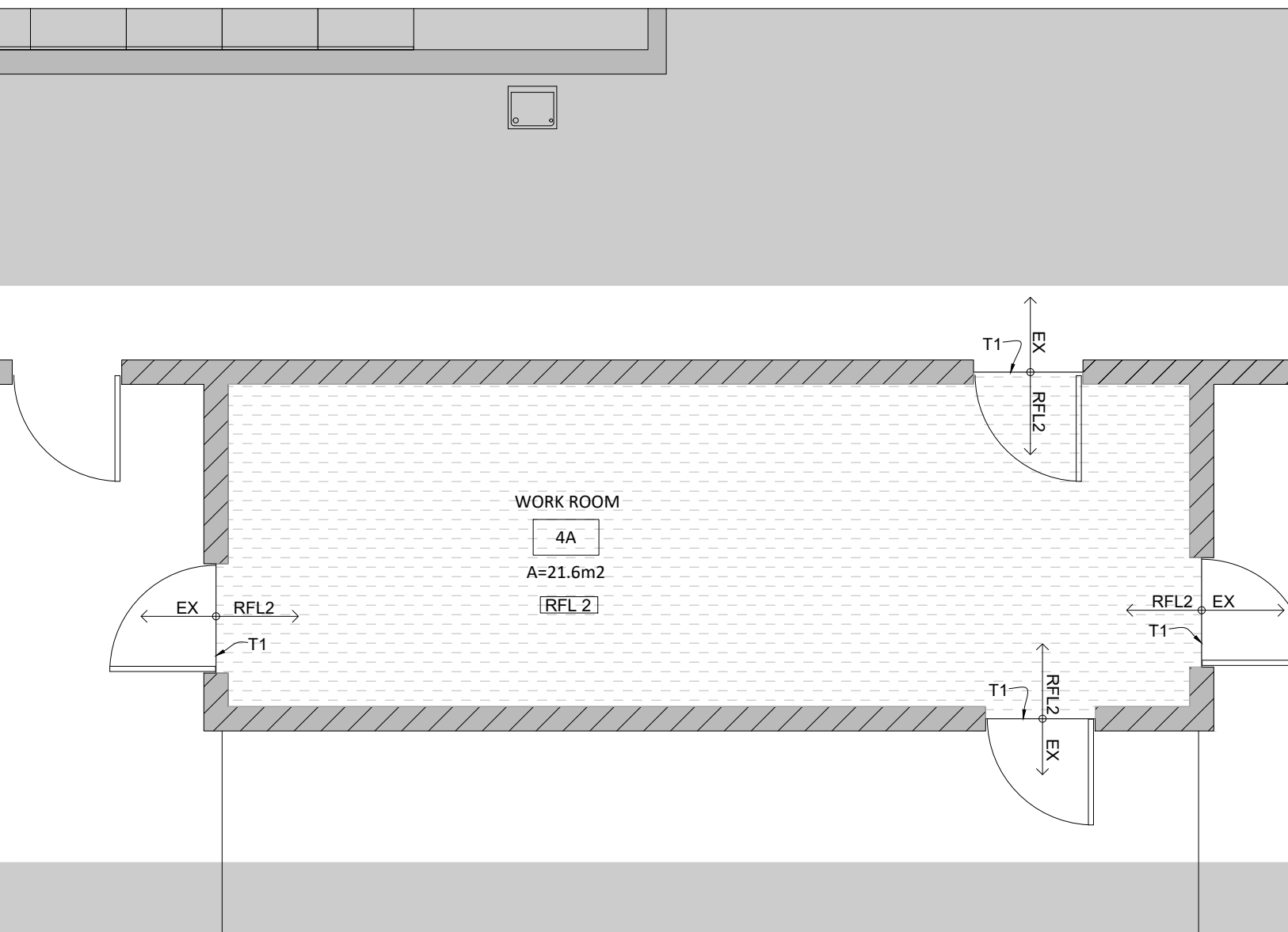
NOTE: REFER TO INTERIOR ELEVATIONS DRAWINGS ON DRAWINGS A3.1 AND A3.2 FOR CERAMIC WALL TILE (CWT) LOCATIONS AND LAYOUT.

- TRANSITION STRIP**
- T1 = PROVIDE RESILIENT TRANSITION STRIP AT JUNCTION BETWEEN RESILIENT FLOORING.
  - T2 = PROVIDE METAL TRANSITION STRIP BETWEEN RESILIENT FLOORING AND PORCELAIN FLOORING.

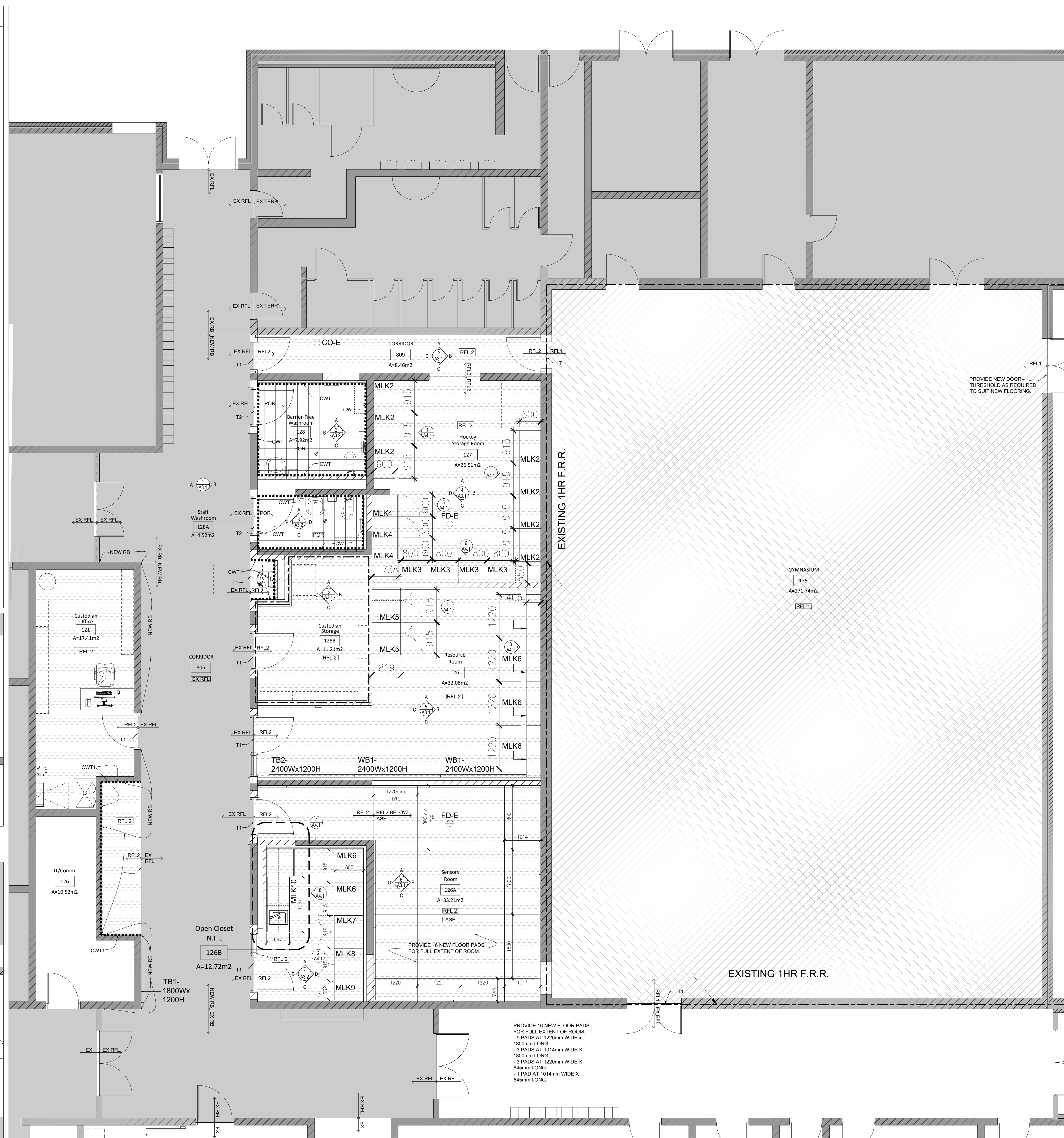
- DISPLAY BOARDS**
- TB = NEW TACK BOARD. REFER TO FLOOR PLANS FOR SIZES OF TB1 AND TB2.
  - TB1 = PROVIDE A QUANTITY OF 1.
  - TB2 = PROVIDE A QUANTITY OF 1.
  - WB = NEW WHITE BOARD. REFER TO FLOOR PLANS FOR SIZE OF WB1.
  - WB1 = PROVIDE A QUANTITY OF 2.



**3 PARTIAL PROPOSED GROUND FLOOR FINISH PLAN**  
A5.2 1:50



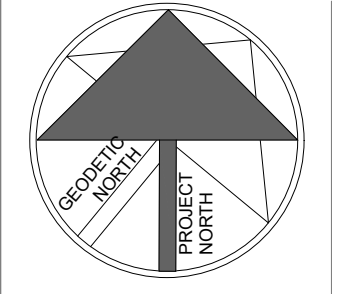
**2 PARTIAL PROPOSED GROUND FLOOR FINISH PLAN**  
A5.2 1:50



**1 PARTIAL PROPOSED GROUND FLOOR FINISH PLAN**  
A5.2 1:50

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| no. | revision | date |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |



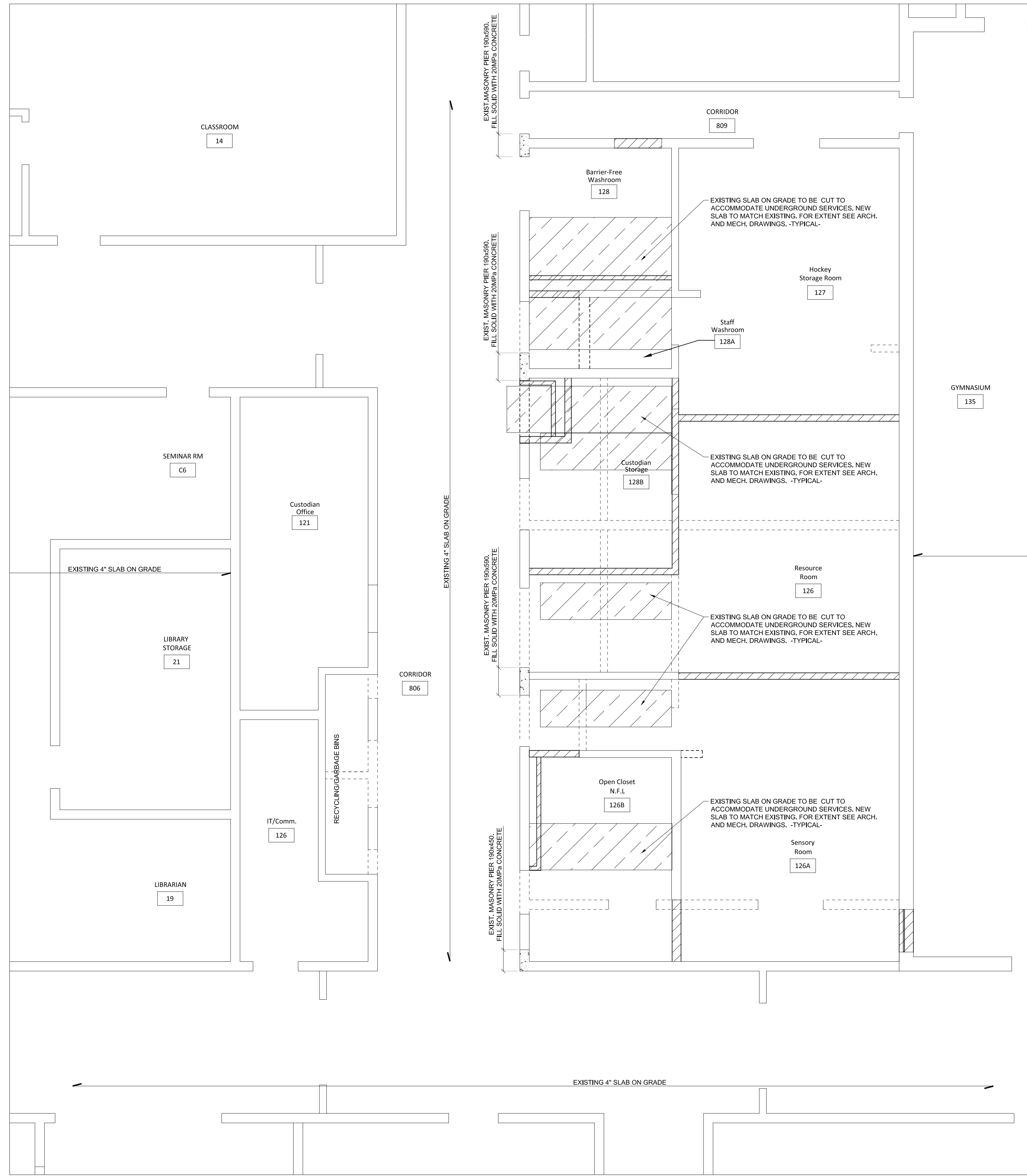
| no. | issue                              | date           |
|-----|------------------------------------|----------------|
| 1.  | Issued for Owner Review            | Dec 5, 2023    |
| 2.  | Issued for Schematic Design Report | Dec 21, 2023   |
| 3.  | Issued for Permit and Tender       | March 22, 2024 |

project  
**PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS**  
 TENDER 24-7540-RFT  
 WATERLOO REGION DISTRICT SCHOOL BOARD  
 55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
 PARTIAL PROPOSED GROUND FLOOR FINISH PLANS,  
 NOTES AND LEGEND

AS NOTED  
 ward99 project number  
 23016 - WRDSB PIONEER PARK

**ward99 architects**  
 drawing no. **A5.2**

**WaRD.99**  
 ward99 architects inc.  
 7500 Highway 27, Unit 27B  
 Vaughan, ON L4H 0J2  
 info@ward99architects.com  
 416 613 5880 www.ward99architects.com



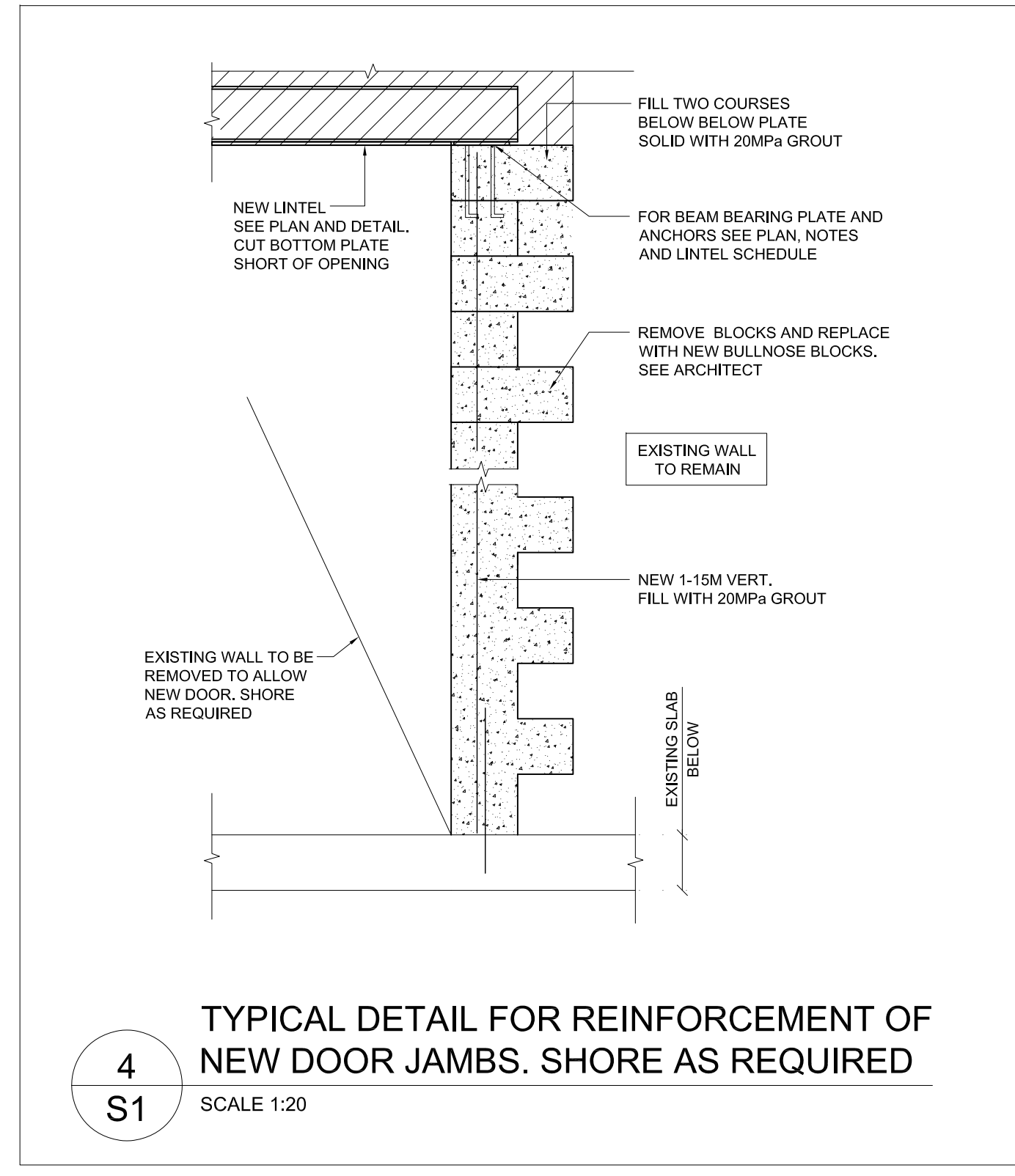
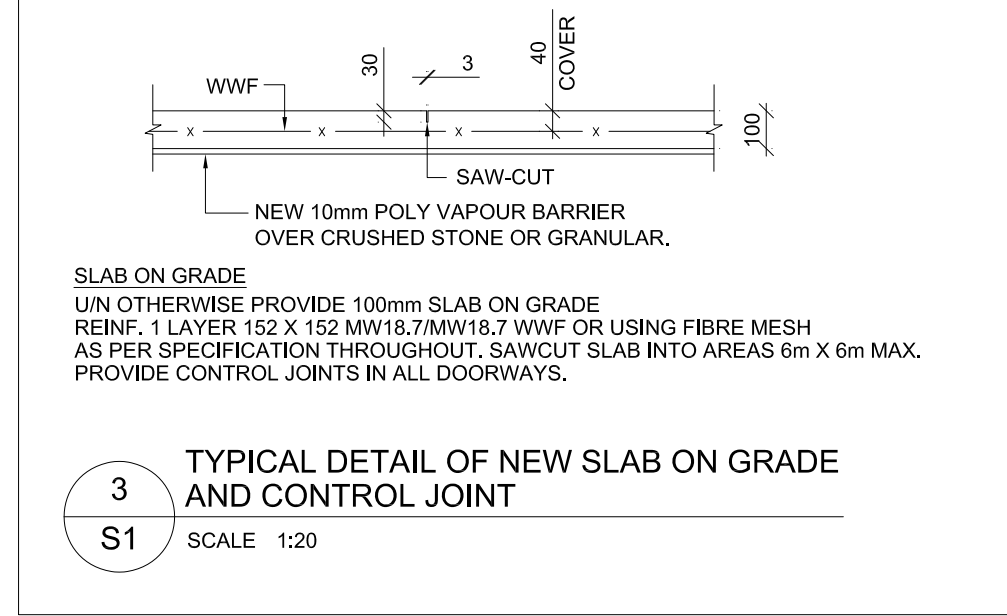
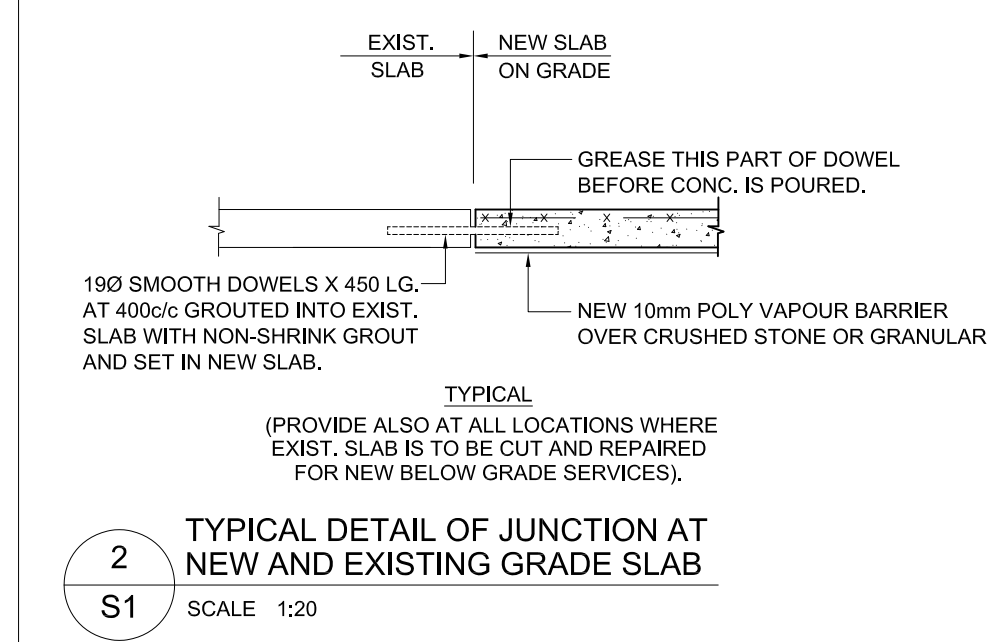
**1**  
**S1** PART EXISTING SLAB ON GRADE PLAN  
1:50

**LEGEND**

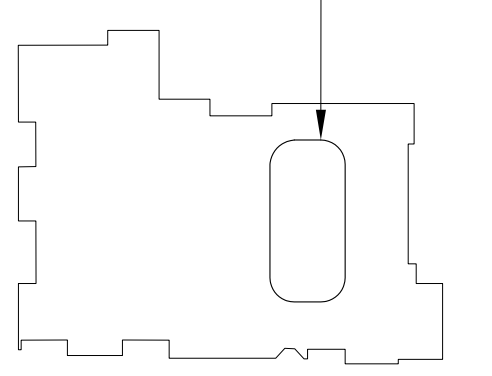
|  |  |
|--|--|
|  | -EXISTING WALL   |
|  | -EXISTING WALL TO BE REMOVED. FOR HEIGHT OF REMOVAL SEE ARCHITECT. SHORE AS REQUIRED.  |
|  | -NEW MASONRY WALLS. FOR HEIGHT SEE ARCHITECT. BUILD TIGHT TO US OF EXISTING STRUCTURE. |

**GENERAL NOTES**

- FLOOR STRUCTURE IS EXISTING UNLESS NOTED OTHERWISE. EXISTING BUILDING IS DESIGNED BY HORTON AND BALL WALTER FEY MCCARGAR HADGORN ARCHITECTS AND ENGINEERS, J.G. FISHER STRUCTURAL ENGINEER ON YEAR 1977.
- UNLESS NOTED OTHERWISE PROVIDE NEW 100mm SLAB ON GRADE AS PER SPECIFICATION THROUGHOUT AND AS PER 2/S1. SAWCUT SLAB INTO AREAS 6m x 6m MAX. PROVIDE CONTROL JOINTS IN ALL DOORWAYS. REINF. - 1 LAYER 152 X 152 MW18.7/MW18.7 WWF OR USING FIBRE MESH. REFER TO "NEW SLAB ON GRADE" DETAIL ON THIS DRAWING.
- USE DETAIL 2/S1 AT ALL LOCATIONS WHERE EXISTING SLAB IS TO BE CUT AND REPAIRED AND FOR ALL NEW BELOW GRADE SERVICES.
- SHORE AS REQUIRED.



**KEY PLAN AREA OF RENOVATION**



**VX**  
VX ENGINEERING INC.  
STRUCTURAL ENGINEERS

VX ENGINEERING Inc.  
2500 - 135Marlee Avenue  
Toronto, Ontario M6B 4C6  
416 870 9422 www.vxengineering.com

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| no. | revision | date |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |

| no. | issue                        | date          |
|-----|------------------------------|---------------|
| 1.  | Issued for Permit and Tender | Feb. 24, 2024 |
| 2.  | Issued for Tender            | Mar 22, 2024  |

project  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
WATERLOO REGION DISTRICT SCHOOL BOARD

55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
drawing  
PART EXISTING SLAB ON GRADE PLAN AND DETAILS  
drawing scale

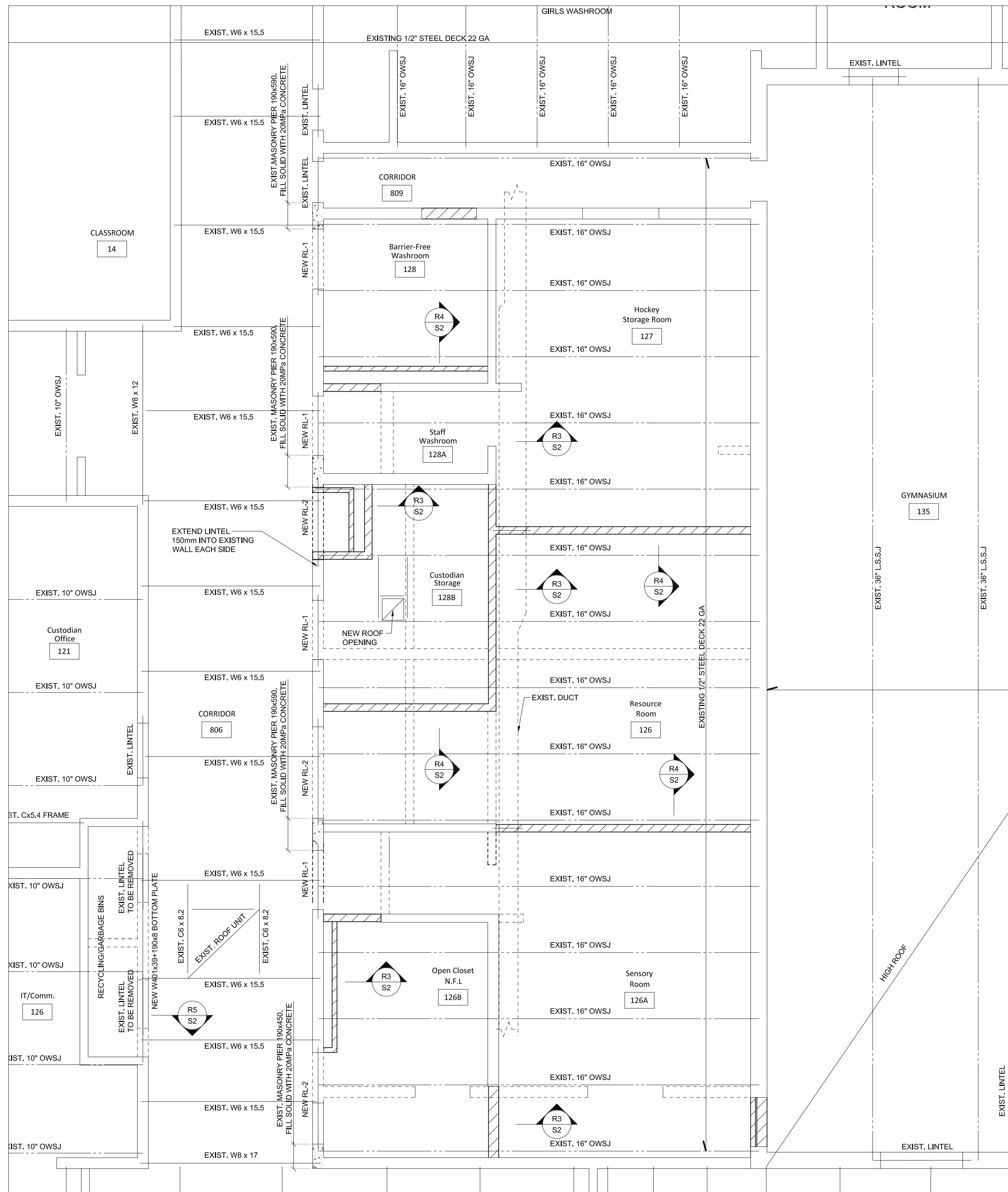
1:50  
ward99 project number  
23016 - WRDSB PIONEER PARK 2403 - WRDSBPIONEER PARK

ward99 architects inc.  
drawing no.

**WaRD.**  
99

**S-1**

ward99 architects inc.  
7500 Hwy 27 unit 27B  
Vaughan, Ontario L4H 0J2  
416 613 5880 www.ward99architects.com



**1**  
S2 PART ROOF FRAMING PLAN  
1:50

**PART ROOF FRAMING PLAN** SCALE 1:50

- FOR ROOF SLOPES AND ELEVATIONS SEE ARCHITECTURAL DRAWINGS.
- ROOF STRUCTURE IS EXISTING UNLESS NOTED OTHERWISE. EXISTING FRAMING DATA ARE TAKEN FROM THE ORIGINAL DRAWINGS DESIGNED BY HORTON AND BALL WALTER FEDY MCGARCHORN ARCHITECTS AND ENGINEERS, J.G. FISHER STRUCTURAL ENGINEER ON YEAR 1977. REPORT TO CONSULTANTS DISCREPANCIES AND NECESSARY ADJUSTMENTS DUE TO ACTUAL CONDITIONS BEFORE PROCEEDING WITH WORK.
- EXISTING ROOF IS DESIGNED FOR SNOW LOAD 48 psf (2.4 kPa) FOR BEAM AREAS AND 70 psf (3.4 kPa) FOR JOIST AREAS.
- SPECIFIED SNOW LOAD AS PER OBC 2012 AND CHANGES 2020, PART 4, IS 2.0 kN/m<sup>2</sup>. ADD DRIFT SNOW AS SHOWN. MULTIPLY SNOW LOADS BY IMPORTANCE FACTOR - SEE IMPORTANCE FACTOR TABLE.
- UNLESS NOTED OTHERWISE PROVIDE L100x75x8 LLV FRAMING U/S NEW ROOF MECHANICAL UNITS AND L90 X 90 X 8.0 ANGLE REINFORCING AROUND ALL OPENINGS IN ROOF DECK THAT ARE BIGGER THAN 150mm x 150mm.
- SEE ALSO TYPICAL DETAILS AND GENERAL NOTES ON THESE DRAWINGS.
- UNLESS NOTED OTHERWISE PROVIDE 170 X 12 X 200 BEARING PLATES EACH END OF ALL STEEL BEAMS. ALL BEARING PLATES SHALL BE WITH 2-190 WELDED ANCHORS X 250 LG. WELD BEAM TO BEARING PLATES TYPICAL.
- REFER TO OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS FOR ROOF MOUNTED OR SUSPENDED UNITS. SHOW THE UNITS ON THE STEEL FABRICATORS SHOP DRAWINGS AND OBTAIN ARCHITECTS, MECHANICAL AND/OR ELECTRICAL ENGINEERS APPROVAL OF WEIGHTS AND LOCATIONS BEFORE FABRICATION IS STARTED.
- UNLESS NOTED OTHERWISE FOR LINTELS OVER MECHANICAL WALL OPENINGS REFER TO "LINTELS FOR DUCTS AND SERVICES" AND "LINTEL DETAILS" ON TYPICAL DETAIL SHEET. FOR ALL NEW LINTELS IN EXISTING WALLS CONFIRM WALL THICKNESS BEFORE LINTELS ARE FABRICATED. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR EXACT LOCATIONS.
- BLOCK VOIDS WITH REINFORCING OR SHOWN AS "FILLED SOLID" SHALL BE FILLED WITH 20MPa CONCRETE WITH PEA GRAVEL OR 20MPa COARSE GROUT.
- WIND LOAD PARAMETERS, AS PER OBC 2012 AND CHANGES 2020, PART 4, 1/10 WIND PRESSURE 0.37kPa, 1/2 WIND PRESSURE 0.29kPa.
- REFER TO "IMPORTANCE FACTOR" TABLE.
- SHORE AS REQUIRED.

| IMPORTANCE FACTOR CATEGORY 'HIGH' |      |      |
|-----------------------------------|------|------|
|                                   | ULS  | SLS  |
| SNOW                              | 1.15 | 0.9  |
| WIND                              | 1.15 | 0.75 |
| EARTHQUAKE                        | 1.3  | 1.0  |

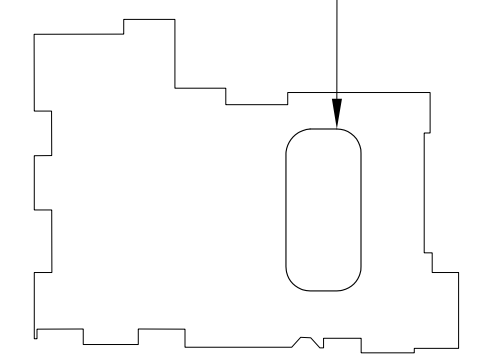
**ROOF NEW LINTEL SCHEDULE**

| MARK        | MATERIAL   | TYPE        | REMARKS  |
|-------------|--|-------------|--|
| NEW<br>RL-1 | 2L 80X50X8<br>STICHWELD TOP AND BOTTOM 16#<br>AT 600mm C/C MAX | EXIST. WALL | EXTEND 150MM INTO WALL E.E.<br>BUILD TIGHT TO U/S OF<br>EXISTING WALL.   |
| NEW<br>RL-2 | W200 X 27 + 190 X 8 PL. BOT.                                   | EXIST. WALL | STOP BOT. PL. SHORT OF<br>OPENING & PROVIDE TYPICAL<br>BEARING PLATE E.E.<br>EXTEND 200mm EACH END<br>BUILD TIGHT TO U/S OF EXIST. WALL. |

**LINTEL NOTES:**

- GENERAL CONTRACTOR SHALL PROVIDE 38 X 5 X 150 MASONRY TIES WELDED TO BM AT 600 c/c TYP. FOR ALL BEAM LINTELS AND BEAMS IN MASONRY
- PROVIDE 1-19# A. BOLTS X 200 LG GROUTED INTO BLOCK VOIDS OF PIERS BETWEEN OPENINGS WHERE APPLICABLE.
- UNLESS NOTED OTHERWISE BOT. PLATE OF BEAM LINTELS SHALL STOP SHORT OF OPENINGS AND BEAM BEARING PLATE SHALL BE PROVIDED.
- FIRST BLOCK COURSE ABOVE STEEL LINTEL SHALL BE FILLED SOLID WITH 20MPa CONCRETE. TYP.

**KEY PLAN  
AREA OF  
RENOVATION**



**VX  
STRUCTURAL ENGINEERS INC.**

VX ENGINEERING INC.  
2500 - 135 Marlee Avenue  
Toronto, Ontario M6B 4C6  
416 870 9422 www.vxengineering.com

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| no. | revision | date |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |

| no. | issue                        | date          |
|-----|------------------------------|---------------|
| 1.  | Issued for Permit and Tender | Feb. 24, 2024 |
| 2.  | Issued for Tender            | Mar 22, 2024  |

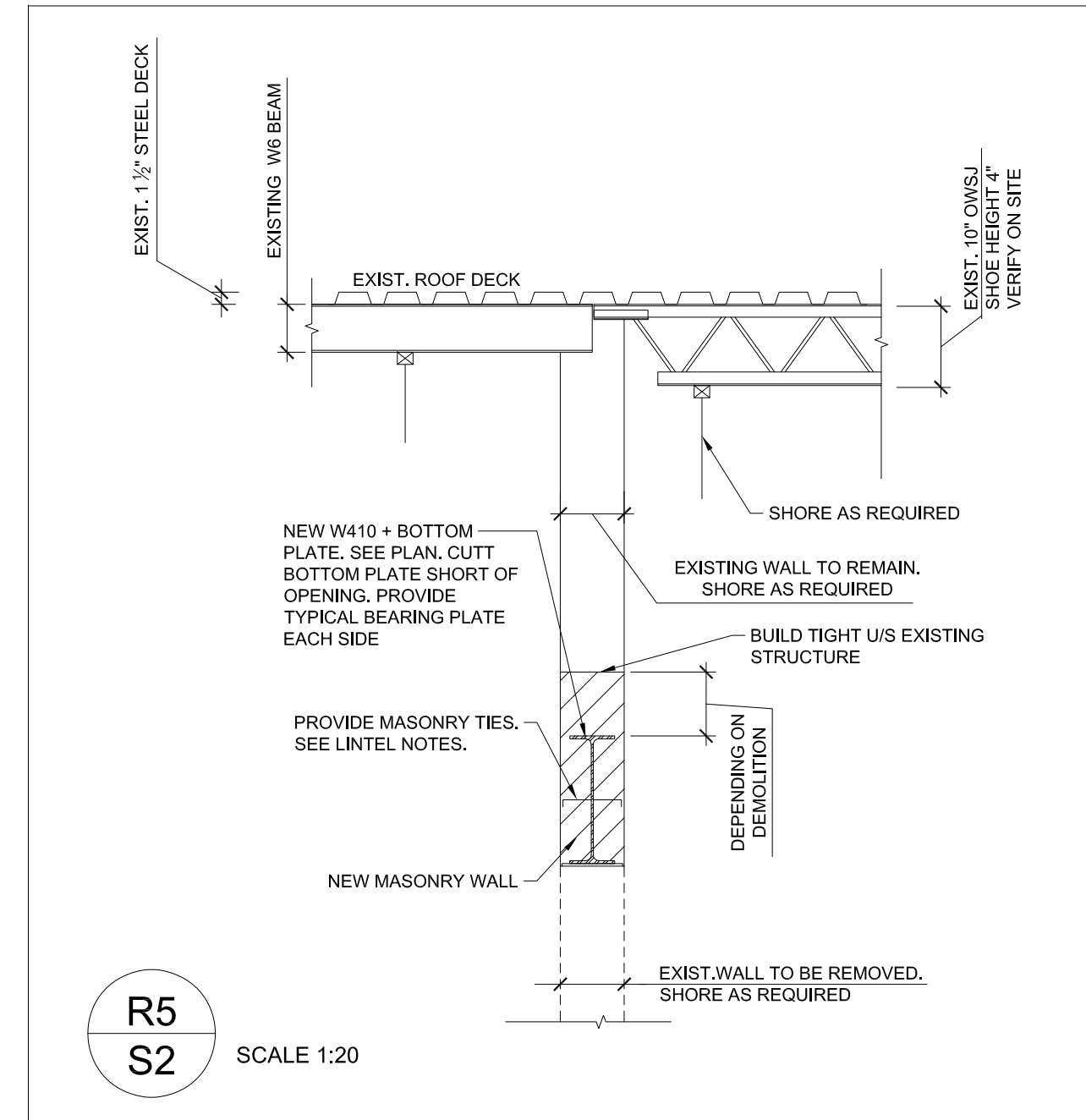
PROJECT  
**PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS**  
**WATERLOO REGION DISTRICT SCHOOL BOARD**

55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
 drawing  
 PART EXISTING ROOF FRAMING PLAN  
 drawing scale  
 150  
 ward99 project number  
 23016 - WRDSB PIONEER PARK  
 2403 - WRDSB PIONEER PARK  
 VX Engineering project number  
 architects  
 inc.  
 drawing no.

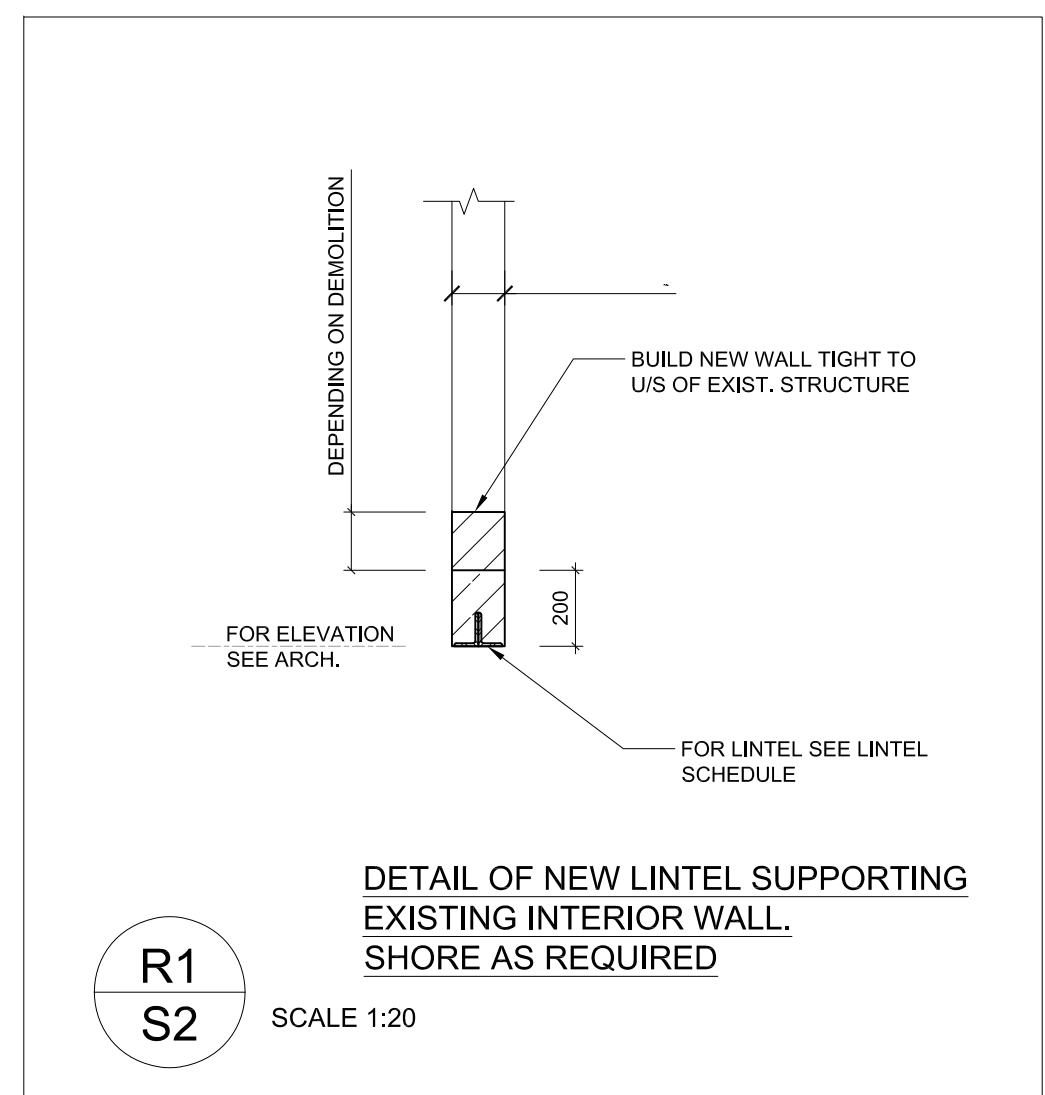
**WaRD**  
99

ward99 architects inc.  
 7500 Hwy 27 unit 27B  
 waterloo, ontario L1H 0J2  
 416 613 5880 www.ward99architects.com

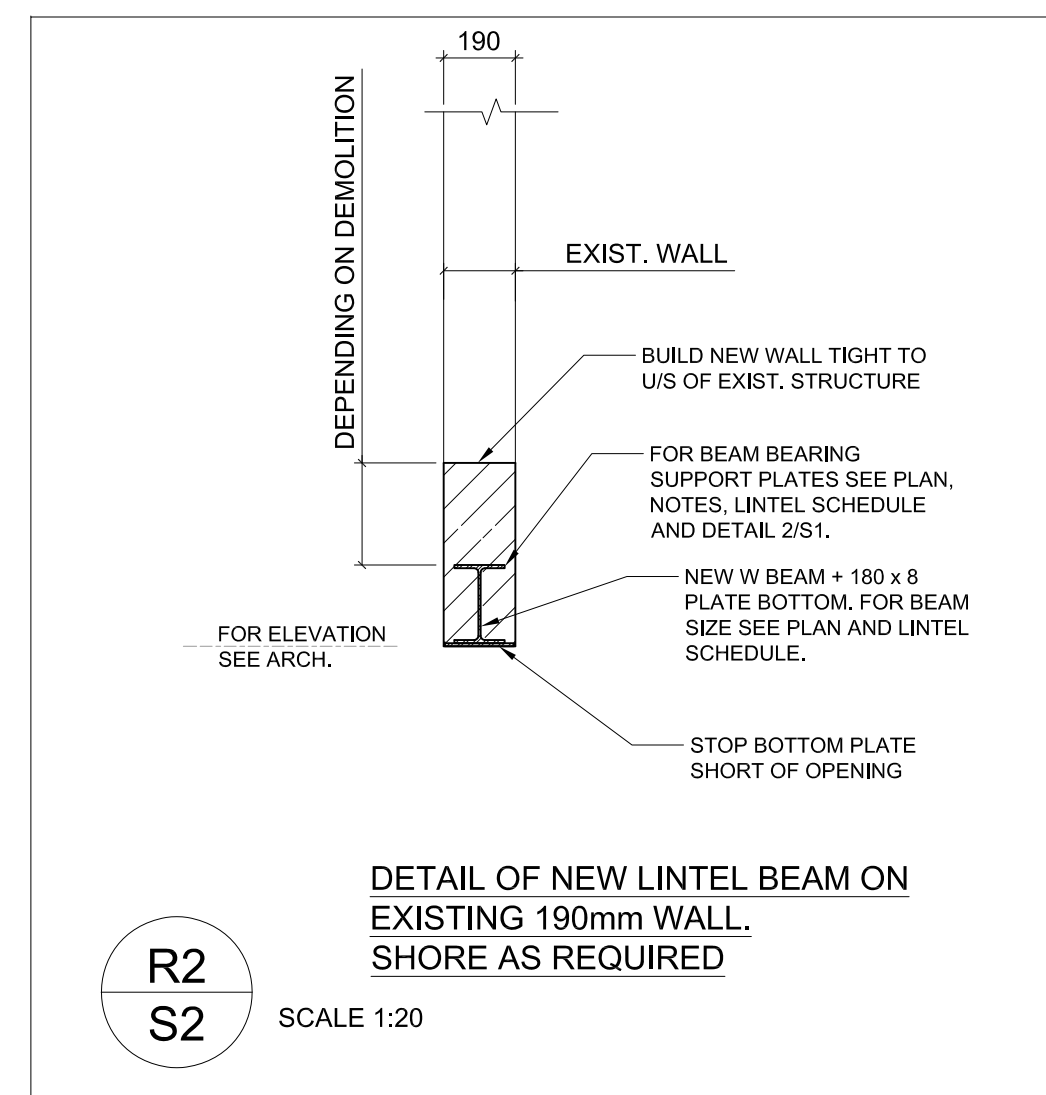
**S-2**



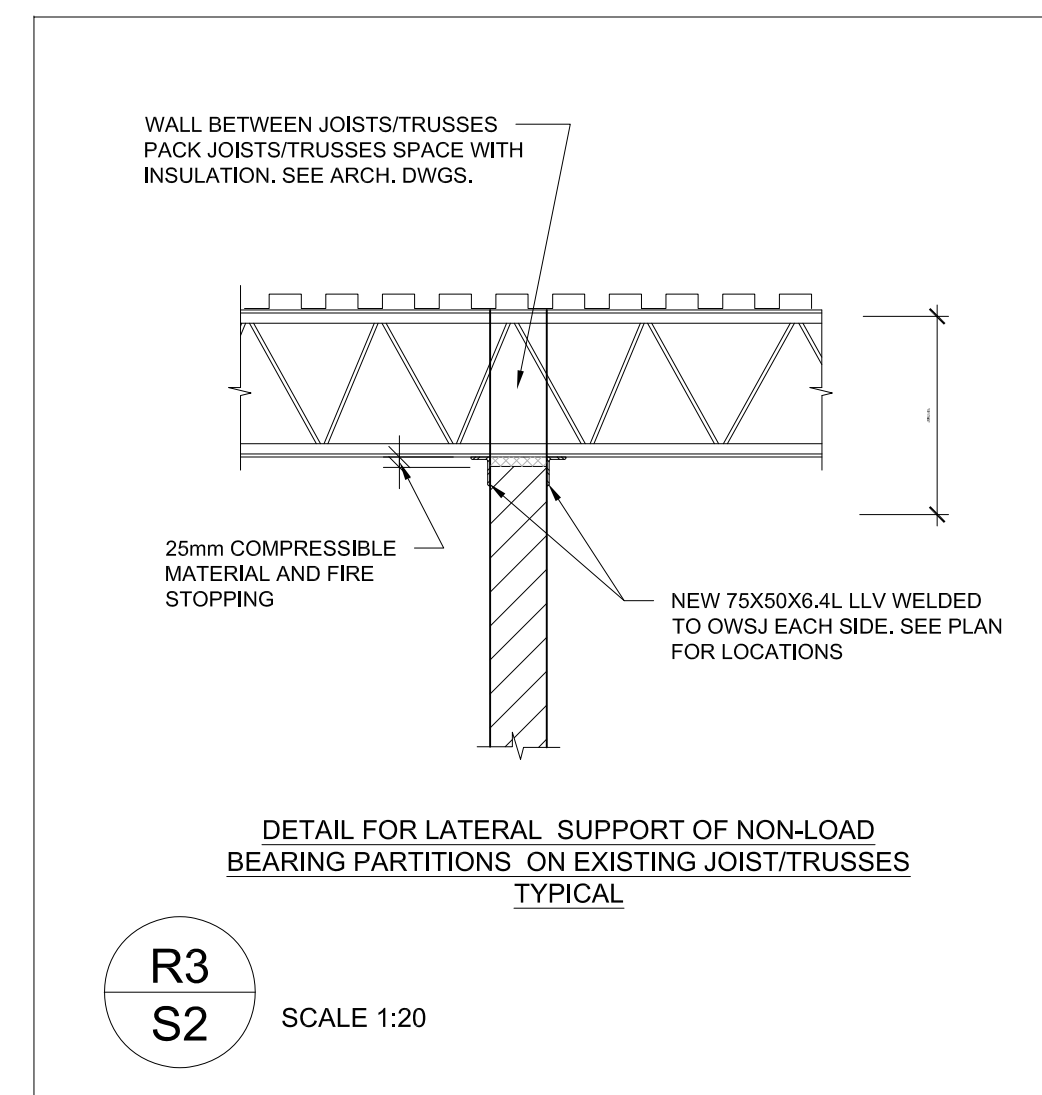
**R5**  
S2 SCALE 1:20



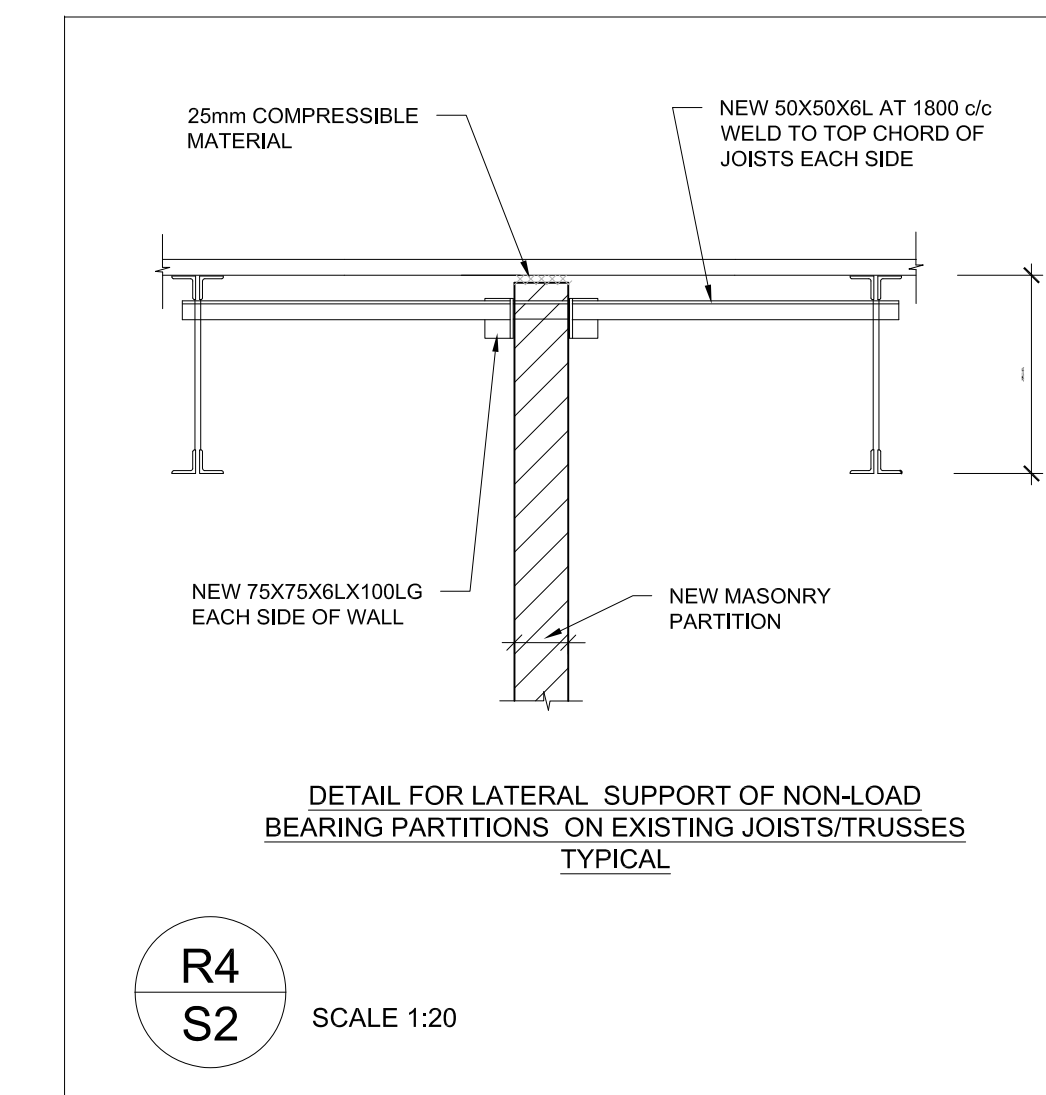
**R1**  
S2 SCALE 1:20



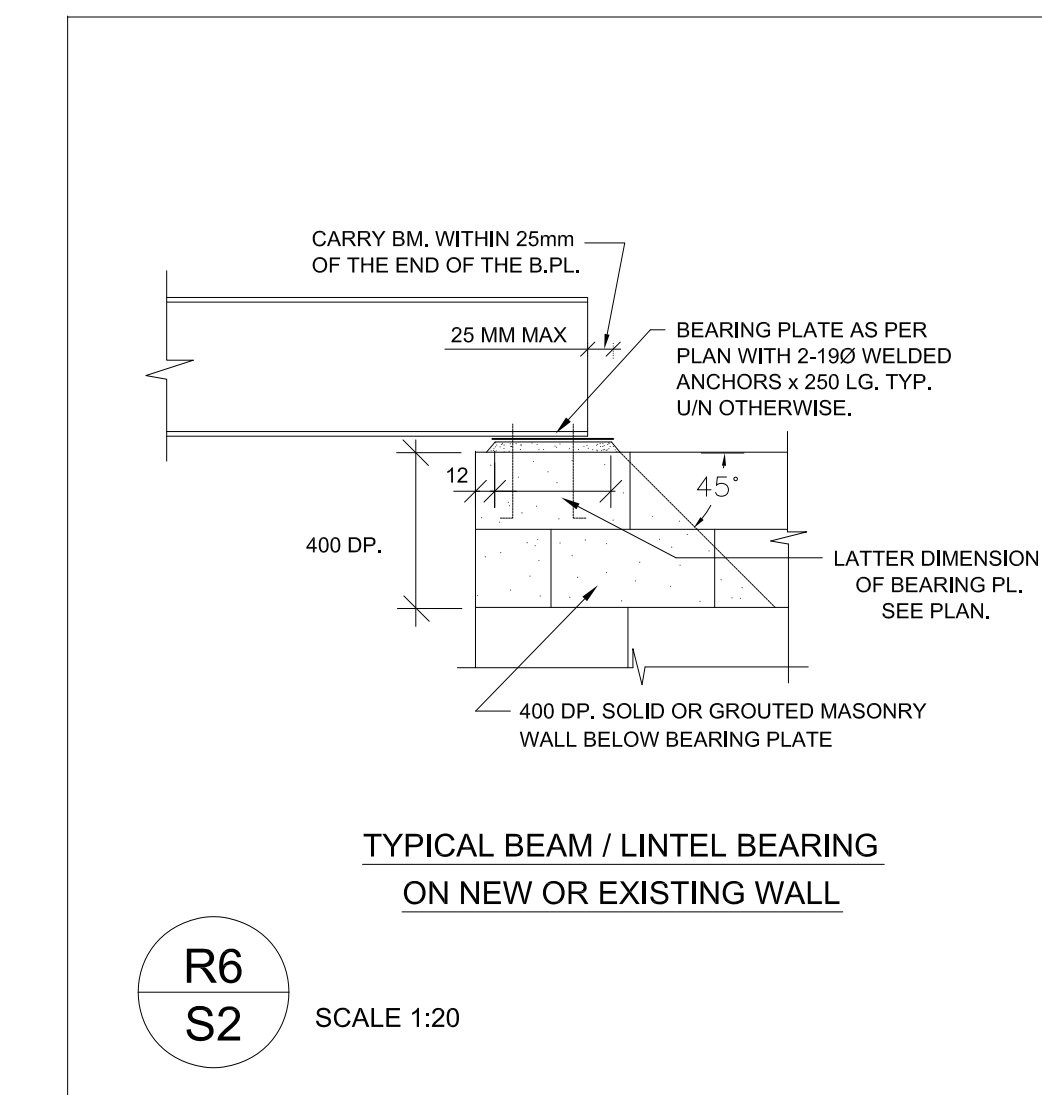
**R2**  
S2 SCALE 1:20



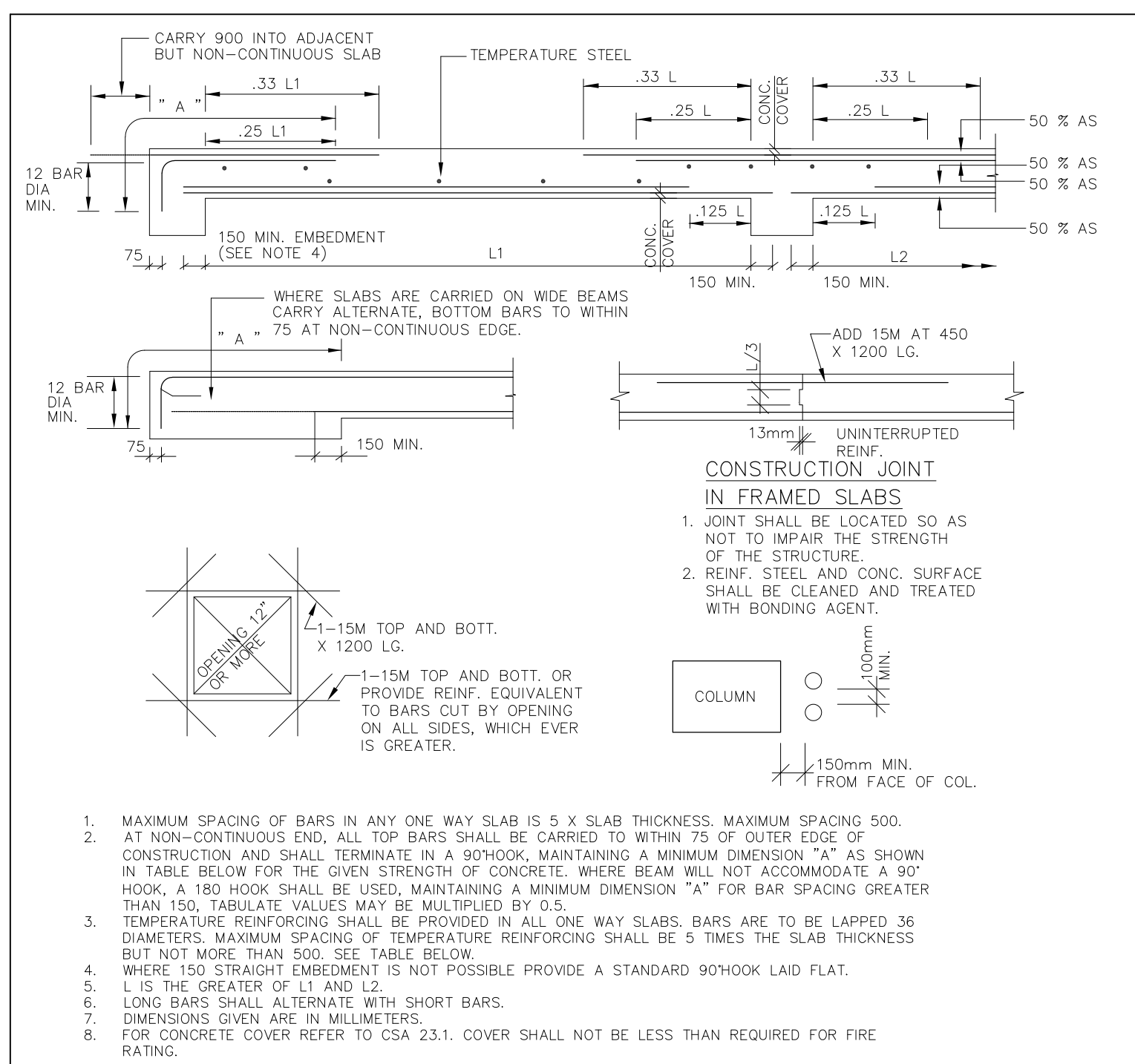
**R3**  
S2 SCALE 1:20



**R4**  
S2 SCALE 1:20

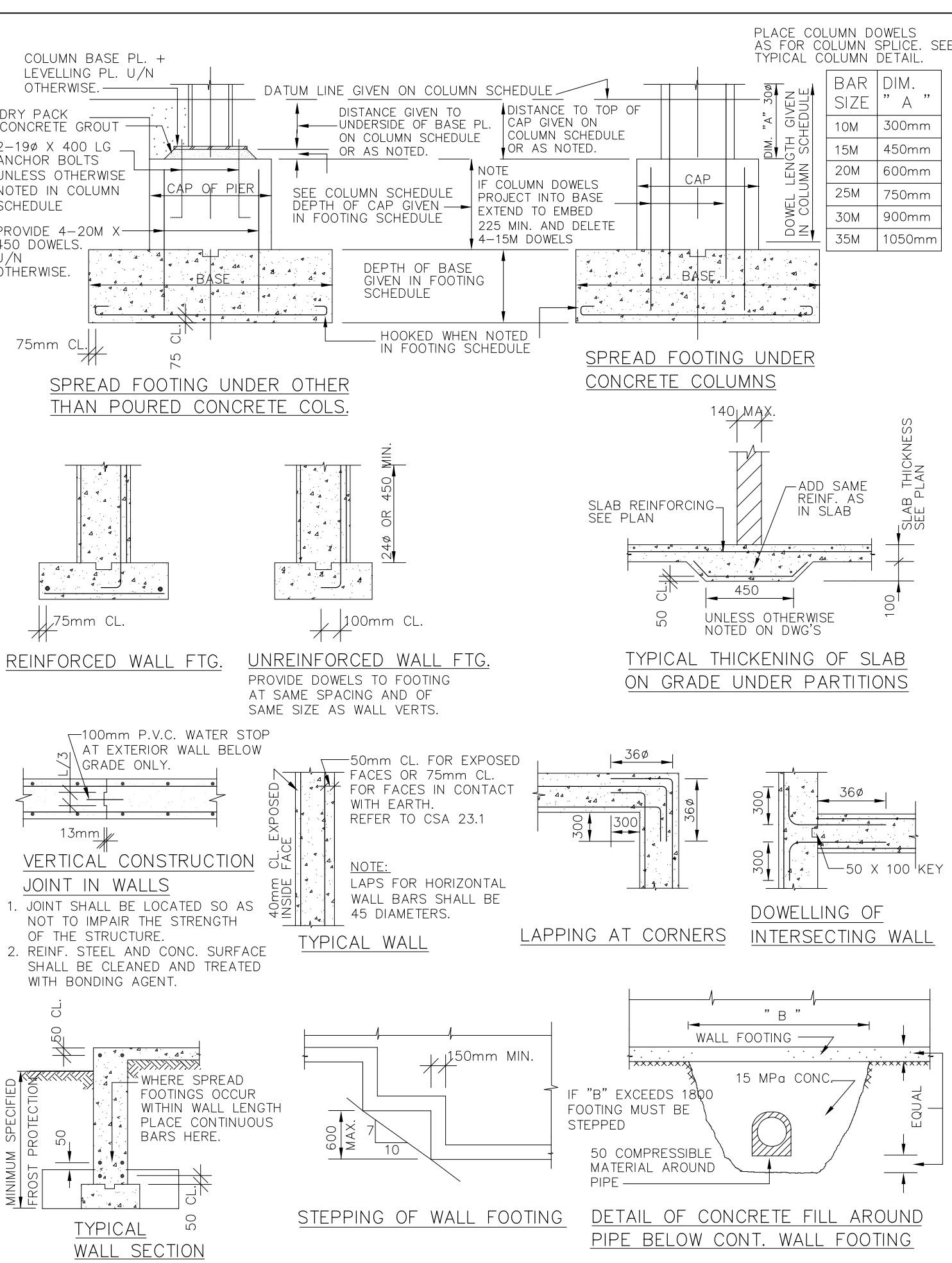


**R6**  
S2 SCALE 1:20

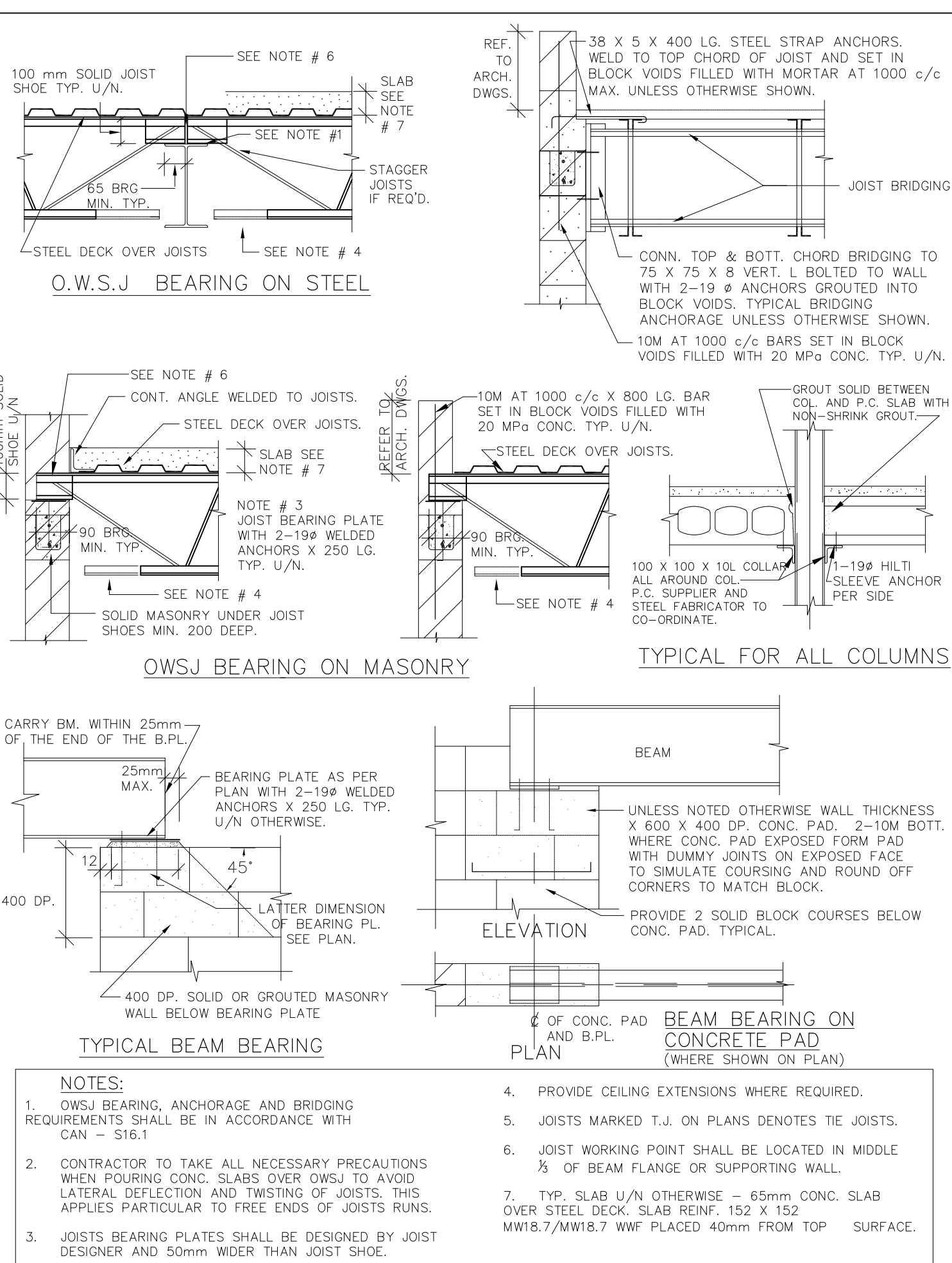


| TEMPERATURE REINFORCING $F_y = 400MPa$ |                                     | DIMENSION "A" MINIMUM |               |
|--|-------------------------------------|-----------------------|---------------|
| SLAB THICKNESS (mm)                    | REF. (AS PER ARCH. DWGS. AND SPEC.) | $F_c = 20MPa$         | $F_c = 30MPa$ |
| 65                                     | 10M AT 500                          | 200                   | 15M AT 500    |
| 100                                    | 10M AT 500                          | 215                   | 15M AT 460    |
| 115                                    | 10M AT 450                          | 225                   | 15M AT 440    |
| 125                                    | 10M AT 410                          | 240                   | 15M AT 410    |
| 135                                    | 10M AT 380                          | 250                   | 15M AT 400    |
| 150                                    | 10M AT 340                          | 265                   | 15M AT 380    |
| 165                                    | 10M AT 310                          | 275                   | 15M AT 360    |
| 175                                    | 10M AT 290                          | 290                   | 15M AT 340    |
| 190                                    | 10M AT 270                          | 300                   | 15M AT 330    |

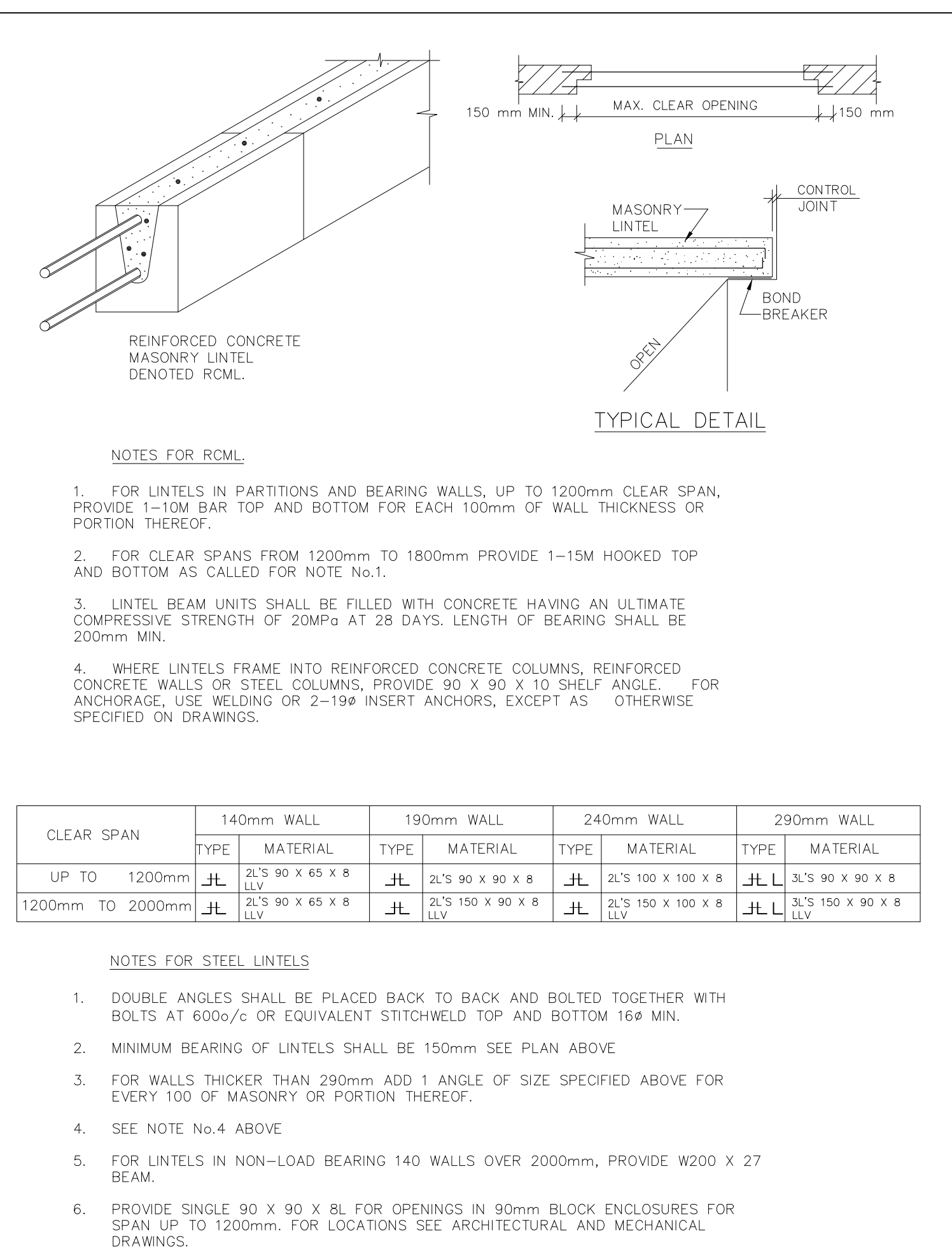
ONE WAY SLAB DETAILS 1



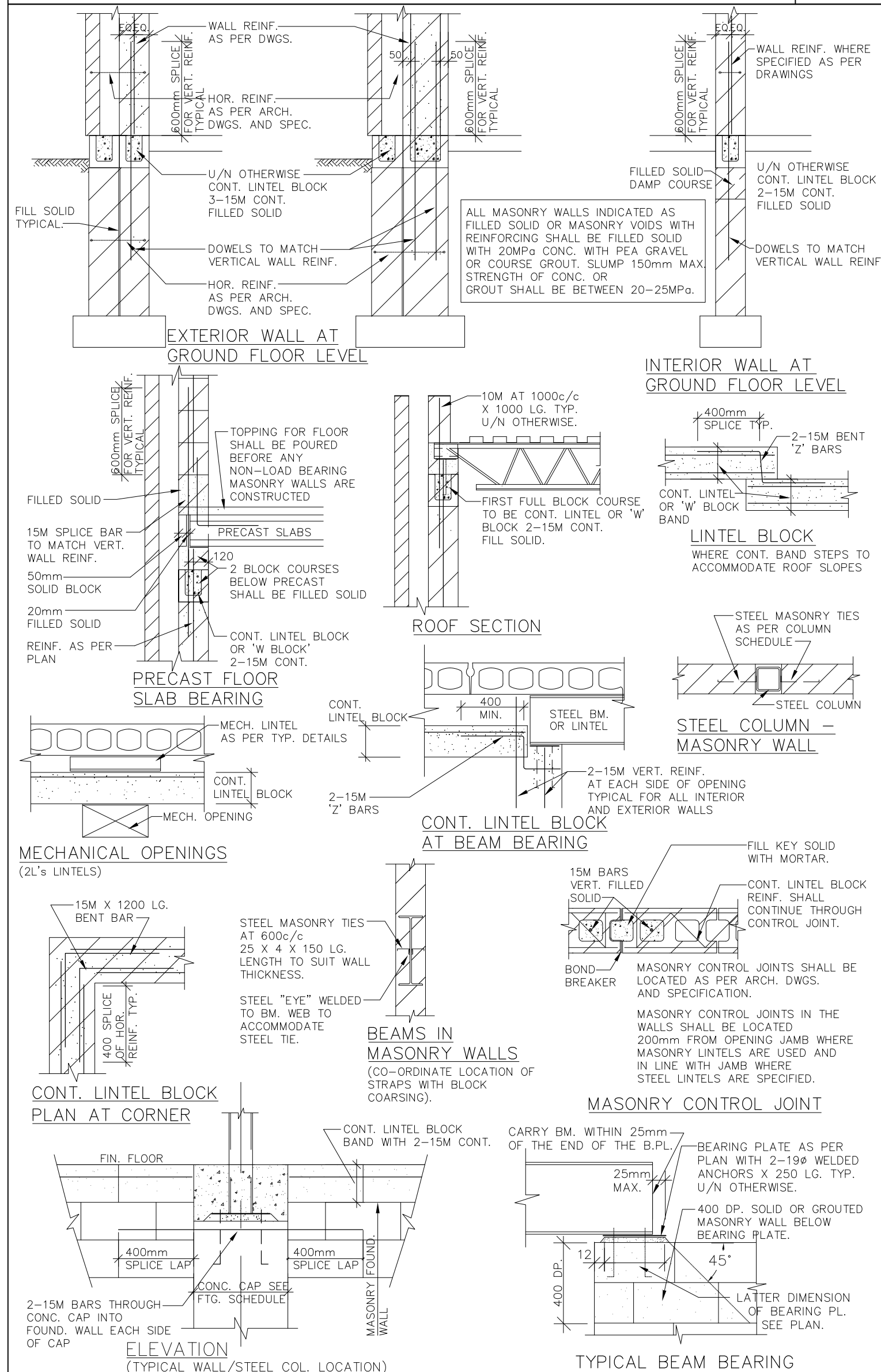
FOUNDATION & WALL DETAILS 2



STRUCTURAL STEEL AND OPEN WEB STEEL JOIST DETAILS 3



LINTEL DETAILS 4

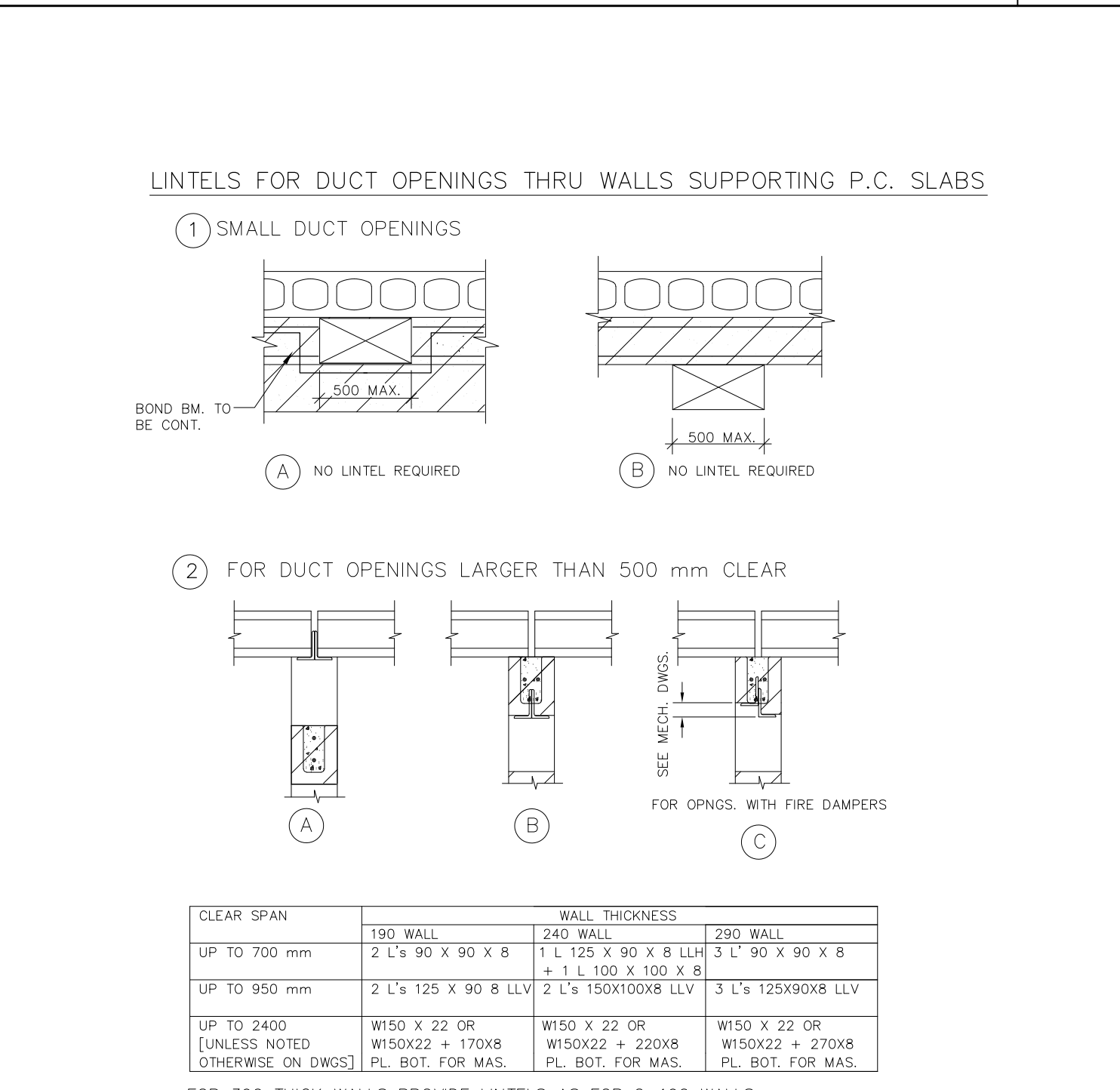


MASONRY DETAILS 5

**CONSTRUCTION TOLERANCES**

|  |          |     |
|--|----------|-----|
| 1. VARIATION FROM PLUMB:   |          |     |
| A. IN THE LINES AND SURFACES OF COLUMNS, PIERS, WALLS AND IN ARRISES:  |          |     |
| IN ANY 3000mm OF LENGTH  | 5mm      |     |
| MAXIMUM FOR THE ENTIRE LENGTH  | 25mm     |     |
| B. FOR EXPOSED CORNER COLUMNS, CONTROL JOINT GROOVES, AND OTHER CONSPICUOUS LINES:   |          |     |
| IN ANY 6000mm LENGTH   | 5mm      |     |
| MAXIMUM FOR THE ENTIRE LENGTH  | 15mm     |     |
| 2. VARIATION FROM THE LEVEL OR FROM THE GRADES SPECIFIED IN THE CONTRACT DOCUMENTS:  |          |     |
| A. IN SLAB SOFFITS, CEILING, BEAM SOFFITTING SHORES  | 5mm      |     |
| IN ANY BAY OR ANY 6000mm   | 10mm     |     |
| MAXIMUM FOR THE ENTIRE LENGTH  | 20mm     |     |
| B. IN EXPOSED LINTELS, SILLS, PARAPETS, HORIZONTAL GROOVES, AND OTHER CONSPICUOUS LINES:   |          |     |
| IN ANY BAY OR IN 6000mm LENGTH   | 5mm      |     |
| MAXIMUM FOR THE ENTIRE LENGTH  | 15mm     |     |
| 3. VARIATION OF THE LINEAR BUILDING LINES FROM ESTABLISHED POSITION OF PLAN AND RELATED POSITION OF COLUMNS, WALLS AND PARTITIONS: |          |     |
| A. IN ANY 3000mm OF LENGTH   | 15mm     |     |
| IN ANY BAY   | 15mm     |     |
| MAXIMUM FOR THE ENTIRE LENGTH  | 25mm     |     |
| 4. VARIATION IN THE SIZES AND LOCATION OF SLEEVES, FLOOR OPENINGS AND WALL OPENING:  |          |     |
| 5. VARIATION IN CROSS-SECTIONAL DIMENSIONS OF COLUMNS AND BEAMS AND IN THE THICKNESS OF SLABS AND WALLS:                           |          |     |
| WHERE CONT. BAND STEPS   | 5mm      |     |
| MINUS  | 15mm     |     |
| PLUS   | 15mm     |     |
| 6. FOOTINGS:   |          |     |
| A. VARIATIONS IN DIMENSIONS IN PLAN  | 5mm      |     |
| MINUS  | 15mm     |     |
| PLUS   | 15mm     |     |
| B. MISPLACEMENT OR ECCENTRICITY 2 PERCENT OF THE FOOTING   | 5mm      |     |
| C. THICKNESS:  |          |     |
| WIDTH IN THE DIRECTION OF MISPLACEMENT BUT NOT MORE THAN:  | 50mm     |     |
| DECREASE IN SPECIFIED THICKNESS  | 5%       |     |
| INCREASE IN SPECIFIED THICKNESS  | NO LIMIT |     |
| 7. VARIATION IN STEPS:   |          |     |
| A. IN A FLIGHT OF STAIRS:  |          |     |
| RISE   | 3mm      |     |
| READ   | 2mm      |     |
| B. IN CONSECUTIVE STEPS:   |          |     |
| RISE   | 3mm      |     |
| TREAD  | 3mm      |     |
| 8. LOCATION OF SLEEVES, OPENINGS, INSERTS AND BOLTS:   |          |     |
|  | 5mm      |     |
| 9. FABRICATION OF:   |          |     |
| A. STRUTS, TIES, SPIRALS   | 5mm      |     |
| B. OTHER BARS  | 15mm     |     |
| 10. PROTECTIVE COVER TO REINFORCEMENT AND EFFECTIVE DEPTH:   |          |     |
| A. MEMBERS 200mm EFFECTIVE DEPTH OR LESS   | 10mm     |     |
| B. MEMBERS MORE THAN 200mm   | 15mm     |     |
| 11. FLOOR FINISH IN ANY 3000mm   |          | 6mm |

CONSTRUCTION TOLERANCES 6



LINTELS FOR DUCT OPENINGS THRU WALLS SUPPORTING P.C. SLABS 7

**LINTELS FOR DUCT OPENINGS THRU WALLS SUPPORTING O.W.S.J.**

| CLEAR SPAN   | 190 WALL  | WALL THICKNESS                                    | 290 WALL  |
|--------------|---|---|---|
| UP TO 700 mm | 2 L's 90 x 90 x 8                                 | 240 WALL  | 3 L's 90 x 90 x 8                                 |
| UP TO 700 mm | 2 L's 125 x 90 x 8 LLV                            | 1.1.100 x 100 x 8                                 | 1.1.100 x 100 x 8                                 |
| UP TO 950 mm | 2 L's 125 x 90 x 8 LLV                            | 2 L's 150x100x8 LLV                               | 3 L's 125x90x8 LLV                                |
| UP TO 2400   | W150 x 22 OR W150x22 + 220x8 PL. BOT. FOR MASONRY | W150 x 22 OR W150x22 + 220x8 PL. BOT. FOR MASONRY | W150 x 22 OR W150x22 + 270x8 PL. BOT. FOR MASONRY |

FOR 390 THICK WALLS PROVIDE LINTELS AS FOR 2-190 WALLS

LINTELS FOR DUCTS AND SERVICES 7

**GENERAL NOTES**

- CHECK ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS AND REPORT DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- FOR LOCATION OF SUMPS, PITS, BASES AND DEPRESSIONS REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
- DO NOT EXCEED THE DESIGN LIVE LOADS SHOWN DURING CONSTRUCTION.
- THIS STRUCTURE HAS BEEN DESIGNED TO COMPLY WITH O.B.C. 2012.
- THE GENERAL CONTRACTOR SHALL EXAMINE EXISTING SITE CONDITIONS AND REPORT ANY INCONSISTENCIES TO THE ARCHITECT BEFORE STARTING ANY WORK.
- REFER TO ARCHITECTURAL DRAWINGS FOR STEPPING OF WALL FOOTINGS.
- FOUNDATION NOTES:** FOOTING EXCAVATIONS SHALL BE INSPECTED BY A SOILS ENGINEER BEFORE CONCRETE IS PLACED. FOOTINGS EXPOSED TO FREEZING SHALL BE PLACED AT LEAST 1200mm BELOW FINISHED GRADE.
- PROTECT FOOTINGS EXPOSED TO FROST ACTION DURING CONSTRUCTION BY 1200mm OF SOIL OR ITS EQUIVALENT.
- THE LINE OF SLOPE BETWEEN ADJACENT FOOTINGS, EXCAVATIONS OR ALONG STEPPED FOOTINGS SHALL NOT EXCEED A RISE OF 7 IN A RUN OF 10. MAXIMUM STEP 600mm.
- WHERE A FOUNDATION WALL RETAINS SOIL ON EACH FACE BACKFILL ON BOTH SIDES SIMULTANEOUSLY.
- PROVIDE FOOTINGS FOR PARTITIONS THICKER THAN 150mm.
- REFER TO THE SOIL REPORT FOR SOIL CONDITIONS AND BEARING PRESSURES.
- STRUCTURAL STEEL NOTES:** CENTRE BEARING PLATES UNDER BEAMS OR AS NOTED. BEARING PLATE DIMENSION GIVEN LAST INDICATES SIDE PARALLEL TO BEAM WEB.
- STRUCTURAL STEEL SHALL BE GRADE G40.21M 350W HOLLOW STRUCTURAL SECTIONS WHICH SHALL BE G40.21M 350W CLASS C.
- CONCRETE NOTES:** THE ULTIMATE 28 DAY STRENGTH OF CONCRETE SHALL BE 25MPa. REINFORCING STEEL SHALL BE DEFORMED BARS OF 400MPa YIELD STRENGTH.
- MASONRY NOTES:** PROVIDE MINIMUM 200mm OF BEARING FOR STEEL OR CONCRETE BEAMS SUPPORTED ON MASONRY. REFER TO DRAWINGS FOR SIZES OF BEARING PLATES. BEARING SHALL BE OF SOLID BLOCK OR BLOCK FILLED SOLID WITH 20MPa CONCRETE 400mm DEEP AND PROJECTING 200mm EACH SIDE OF BEAM BEARING PLATE, BASE PLATE OR CONCRETE PAD. REFER ALSO TO TYPICAL DETAIL SHEET 4M.
- PROVIDE 200mm DEPTH OF SOLID MASONRY UNDER STEEL JOISTS BEARING ON MASONRY.
- BUILD MASONRY TIGHT INTO WEBS OF BEAMS AT THEIR BEARINGS.
- PROVIDE ALL TEMPORARY BRACING REQUIRED TO HOLD ALL WALLS PLUMB AND TRUE TO LINE DURING CONSTRUCTION UNTIL THE BUILDING IS COMPLETED.
- ALL LOAD BEARING MASONRY WALLS SHALL BE "ENGINEERED MASONRY" IN COMPLIANCE WITH CAN/CSA S304.1.
- ALL BLOCK WALLS SHALL BE CONSTRUCTED FROM CONCRETE BLOCK UNITS IN COMPLIANCE WITH CAN3/CSA-1165 SERIES. MINIMUM COMPRESSIVE STRENGTH 15MPa UNLESS NOTED OTHERWISE ON DRAWINGS.
- ALL BLOCK VOIDS WITH REINFORCING BARS SHALL BE FILLED SOLID WITH 20MPa OR COURSE GROUT.
- PROVIDE MINIMUM TWO SOLID OR FILLED SOLID WITH 20MPa CONCRETE. BLOCK COURSES FOR ALL PRECAST SLABS SUPPORTED ON MASONRY.
- ALL MASONRY PARTITIONS SHALL BE CONSTRUCTED ON TOP OF CONCRETE TOPPING OF PRECAST FLOOR SLABS.
- PRECAST CONCRETE SLABS:** PRECAST CONCRETE SLABS SHALL BE DESIGNED IN COMPLIANCE WITH ALL APPLICABLE CODES AND SHOP DRAWINGS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN ONTARIO.
- THE PRECAST SLAB SUPPLIER SHALL REVIEW THE TENDER DOCUMENTS AND CARRY IN HIS TENDER COSTS FOR ANY ADDITIONAL MATERIAL REQUIRED TO ACCOMMODATE PRECAST BEARING BUT NOT INDICATED ON THE STRUCTURAL DRAWINGS.

GENERAL NOTES 7

**VX**  
VX ENGINEERING INC.  
STRUCTURAL ENGINEERS

VX ENGINEERING Inc.  
2500 - 135 Marlee Avenue  
Toronto, Ontario M6B 4G6  
416 870 9422 www.vxengineering.com

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| no. | revision                     | date          |
|-----|------------------------------|---------------|
| 1   | Issued for Permit and Tender | Feb. 24, 2024 |
| 2   | Issued for Tender            | Mar 22, 2024  |

PROJECT: PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS WATERLOO REGION DISTRICT SCHOOL BOARD

55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2

GENERAL NOTES  
drawing no. 150  
23016 - WRDSB PIONEER PARK 2403 - WRDSBPIONEER PARK

war99 architects inc.

WAR99 ARCHITECTS INC.  
7500 Hwy 27 unit 27B  
Waterloo, Ontario N2L 6J2  
416 613 9880 www.war99architects.com

**S-3**

**GENERAL NOTES**

1. THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS AND THAT ADDITIONAL COSTS ARE INCLUDED IN BID TO FACILITATE INSTALLATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMISSIONS, AND INTERFERENCES. CONTRACTOR SHALL PROVIDE INTERFERENCE DRAWINGS TO CONSULTANT FOR REVIEW AND DIRECTION.
2. ENSURE THAT ALL NEW AND EXISTING MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW OR EXISTING SERVICES AND STRUCTURE. COORDINATE WITH PROJECT MANAGER AND ALL OTHER TRADES. INSTALL MECHANICAL EQUIPMENT IN SUCH A WAY AS TO PROVIDE ALL ACCESS REQUIREMENTS. REFER TO SHOP DRAWINGS AND/OR MANUFACTURER'S RECOMMENDATIONS FOR ACCESS REQUIREMENTS. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND MECHANICAL ENGINEER. PROVIDE ACCESS DOORS/PANELS TO BE AS SPECIFIED.
3. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING CEILINGS AND WALLS TO FACILITATE DEMOLITION AND THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
4. WELDING TO BE PERFORMED WITH STRINGENT ENVIRONMENTAL CONDITIONS FOR SMOKE AND FUME EVACUATION.
5. THE MECHANICAL DRAWINGS ARE PERFORMANCE DRAWINGS, DIAGRAMMATIC, AND SHOW APPROXIMATE LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. ANY INFORMATION REGARDING ACCURATE MEASUREMENT OF THE BUILDING ARE TO BE TAKEN AT THE SITE. DO NOT SCALE THE DRAWINGS, AND DO NOT USE THE DRAWINGS FOR PREFABRICATION WORK.
6. FOR CLARITY, NOT ALL EXISTING EQUIPMENT, DUCTWORK, PIPING, ETC., HAS BEEN SHOWN ON THE DRAWINGS. THE EXISTING EQUIPMENT, PIPES, DUCTS AND SERVICES ARE SHOWN FOR REFERENCE ONLY. EXACT LOCATIONS, SIZES AND DIMENSIONS SHALL BE DETERMINED ON SITE. WHERE INTERFERENCES EXIST, CONTRACTOR SHALL REROUTE THE NEW WORK TO SUIT THE EXISTING PIPING.
7. NOT ALL CONNECTIONS TO EQUIPMENT ARE SHOWN. REFER TO THE MANUFACTURERS LITERATURE FOR ALL PIPING CONNECTIONS.
8. CONTRACTOR IS TO BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL PIPING AND EQUIPMENT AS SHOWN ON THE DEMOLITION PLAN.
9. COORDINATE ALL TEMPORARY SHUT DOWNS WITH THE OWNER. PROVIDE ISOLATION VALVES AS REQUIRED.
10. SURVEY ALL AFFILIATED WORK AREAS AND REPORT ABNORMALITIES AND DISCREPANCIES TO CONSULTANT.
11. WHERE CEILING, FLOOR, WALL OR ROOF OPENINGS ARE REQUIRED TO RUN MECHANICAL AND ELECTRICAL SERVICES, INCLUDE ALL COSTS FOR REINSTATING THE CEILING, FLOOR, WALL, OR ROOF. SEAL ALL OPENINGS WITH APPROVED FIRE-STOPPING MATERIALS AS REQUIRED. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
12. HOUSEKEEPING PADS FOR EQUIPMENT SHALL BE AMPLY SIZED TO EXTEND A MINIMUM OF 4' BEYOND THE FOOTPRINT OF THE EQUIPMENT IT SUPPORTS.
13. IF ASBESTOS CONTAINING MATERIAL IS SUSPECTED OR IDENTIFIED IN THE WORK AREA AND REQUIRED TO BE HANDLED AS PART OF THE DEMOLITION PHASE OF THE PROJECT, CONTRACTOR SHALL HALT WORK AND INFORM CONSULTANT OF SUCH CONDITIONS. CONTRACTOR SHALL NOT PROCEED WITH DEMOLITION OF SUCH AREAS WITHOUT AUTHORIZATION BY CONSULTANT. REMOVAL OF SUCH MATERIALS TO ACCOMMODATE THE WORK DESCRIBED AND OUTLINED IN THESE DRAWINGS SHALL BE ARRANGED THROUGH THE OWNER. ASBESTOS ABATEMENT, IF ANY, IS EXCLUDED FROM THIS CONTRACT AND WILL BE HANDLED SEPARATELY BY OWNER.
14. ALL ABANDONED OR OBSOLETE MECHANICAL SERVICES SUCH AS VALVES, PIPING, EQUIPMENT, INSTRUMENTATION, ETC. SHALL BE REMOVED WITHIN THE WORK AREA TO FACILITATE ALL NEW MECHANICAL WORK.
15. CONTRACTOR SHALL IDENTIFY AND LABEL CLEARLY ALL PIPING, SERVICES AND EQUIPMENT INSTALLED UNDER THE SCOPE OF WORK OF THIS PROJECT. IDENTIFICATION SHALL BE AS PER THE SPECIFICATIONS AND OWNER REQUIREMENTS.
16. INSULATE ALL NEW PIPING AND ANY EXISTING PIPING WHERE INSULATION HAS BEEN REMOVED OR DAMAGED BY THIS WORK. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
17. ALL PIPE WORK IN MECHANICAL ROOM TO BE TESTED FOR LEAKS WHEREVER NEW CONNECTIONS ARE MADE.
18. WHERE CONNECTIONS ARE MADE TO EXISTING SERVICES, CONTRACTOR SHALL MATCH ALL EXISTING PIPE SIZES UNLESS OTHERWISE NOTED.

**GENERAL**

| SYMBOL   | DESCRIPTION                                     |
|----------|---|
| [Symbol] | EXISTING TO REMAIN                              |
| [Symbol] | EXISTING TO BE DEMOLISHED                       |
| [Symbol] | EXISTING TO BE REMOVED FOR RELOCATION           |
| [Symbol] | EXISTING RELOCATED IN NEW WORK                  |
| [Symbol] | NEW WORK  |
| [Symbol] | CONNECT TO EXISTING                             |
| [Symbol] | AIRFLOW / PIPE FLOW DIRECTION                   |
| [Symbol] | PIPE TURNING DOWN                               |
| [Symbol] | PIPE TURNING UP                                 |
| [Symbol] | PRESSURE REDUCING VALVE                         |
| [Symbol] | ROOM THERMOSTAT                                 |
| [Symbol] | ROOM HUMIDISTAT                                 |
| [Symbol] | PUMP  |
| [Symbol] | CONTROL VALVE - TWO WAY                         |
| [Symbol] | CONTROL VALVE - THREE WAY                       |
| [Symbol] | ISOLATION VALVE                                 |
| [Symbol] | BALANCING VALVE                                 |
| [Symbol] | CHECK VALVE                                     |
| [Symbol] | STRAINER - OVER 50MM WITH VALVED FLUSHING DRAIN |
| [Symbol] | PIPE BRANCH OFF TOP                             |
| [Symbol] | PIPE BRANCH OFF BOTTOM                          |
| [Symbol] | RELIEF VALVE                                    |
| [Symbol] | PRESSURE GAUGE                                  |
| [Symbol] | TEMPERATURE GAUGE                               |
| [Symbol] | CAP   |
| [Symbol] | SOLENOID VALVE                                  |
| [Symbol] | FUSIBLE LINK VALVE                              |
| [Symbol] | ELECTRIC HEAT TRACING                           |

**VENTILATION**

| SYMBOL   | DESCRIPTION   |
|----------|---|
| [Symbol] | COMBINATION SMOKE/FIRE DAMPER (DOUBLE LINE)   |
| [Symbol] | COMBINATION SMOKE/FIRE DAMPER (SINGLE LINE)   |
| [Symbol] | BACK DRAFT DAMPER (DOUBLE LINE)   |
| [Symbol] | BACK DRAFT DAMPER (SINGLE LINE)   |
| [Symbol] | BALANCING DAMPER (DOUBLE LINE)  |
| [Symbol] | BALANCING DAMPER (SINGLE LINE)  |
| [Symbol] | MOTORIZED DAMPER (DOUBLE LINE)  |
| [Symbol] | MOTORIZED DAMPER (SINGLE LINE)  |
| [Symbol] | RECTANGULAR DUCTWORK - DIMENSION AS SHOWN   |
| [Symbol] | ROUND DUCTWORK - DIMENSION AS SHOWN   |
| [Symbol] | DUCTWORK (SINGLE LINE) - DIMENSION AS SHOWN   |
| [Symbol] | RECTANGULAR SUPPLY/OUTDOOR AIR DUCT UP  |
| [Symbol] | RECTANGULAR EXHAUST/RETURN AIR DUCT UP  |
| [Symbol] | CIRCULAR SUPPLY/OUTDOOR AIR DUCT UP   |
| [Symbol] | CIRCULAR EXHAUST/RETURN AIR DUCT UP   |
| [Symbol] | RECTANGULAR SUPPLY/OUTDOOR AIR DUCT DOWN  |
| [Symbol] | RECTANGULAR EXHAUST/RETURN AIR DUCT DOWN  |
| [Symbol] | CIRCULAR SUPPLY/OUTDOOR AIR DUCT DOWN   |
| [Symbol] | CIRCULAR EXHAUST/RETURN AIR DUCT DOWN   |
| [Symbol] | MITRED ELBOW WITH TURNING VANES   |
| [Symbol] | DUCT RISE (DOUBLE LINE)   |
| [Symbol] | DUCT RISE (SINGLE LINE)   |
| [Symbol] | SUPPLY GRILLE - DIMENSIONS AS SHOWN ON SCHEDULE                                       |
| [Symbol] | EXHAUST/RETURN GRILLE - DIMENSIONS AS SHOWN ON SCHEDULE                               |
| [Symbol] | CEILING SUPPLY AIR DIFFUSER - DIMENSIONS AS SHOWN ON SCHEDULE                         |
| [Symbol] | LINEAR SLOT DIFFUSER - DIMENSIONS AS SHOWN ON SCHEDULE                                |
| [Symbol] | CEILING EXHAUST/RETURN GRILLE - DIMENSIONS AS SHOWN ON SCHEDULE                       |
| [Symbol] | SUPPLY AIR ROUND DIFFUSER   |
| [Symbol] | BRANCH TAKE-OFF WITH ADJUSTABLE SPLITTER DAMPER IN SUPPLY DUCT (DOUBLE LINE)          |
| [Symbol] | BRANCH TAKE-OFF WITH ADJUSTABLE SPLITTER DAMPER IN SUPPLY DUCT (SINGLE LINE)          |
| [Symbol] | OPEN ENDED DUCT WITH BALANCING DAMPER AND BELLMOUTH. DIRECTION AS SHOWN (DOUBLE LINE) |
| [Symbol] | OPEN ENDED DUCT WITH BALANCING DAMPER AND BELLMOUTH. DIRECTION AS SHOWN (SINGLE LINE) |
| [Symbol] | FLEXIBLE DUCT CONNECTION  |
| [Symbol] | ACOUSTICALLY LINED DUCTWORK (DOUBLE LINE)   |
| [Symbol] | ACOUSTICALLY LINED DUCTWORK (SINGLE LINE)   |
| [Symbol] | DUCT SILENCER   |
| [Symbol] | FLEXIBLE DUCT (DOUBLE LINE)   |
| [Symbol] | FLEXIBLE DUCT (SINGLE LINE)   |
| [Symbol] | FLEXIBLE DUCT CONNECTION WITH BALANCING DAMPER ON TAKE-OFF                            |
| [Symbol] | DUCT MOUNTED HEATING COIL (DOUBLE LINE)   |
| [Symbol] | DUCT MOUNTED HEATING COIL (SINGLE LINE)   |
| [Symbol] | SUPPLY AIR TERMINAL BOX C/W REHEAT COIL AND ATTENUATOR.                               |
| [Symbol] | SUPPLY AIR TERMINAL BOX C/W ATTENUATOR.   |
| [Symbol] | RETURN / EXHAUST AIR TERMINAL BOX ATTENUATOR.   |
| [Symbol] | FIRE RATED DUCTWORK (DOUBLE LINE)   |
| [Symbol] | DUCT TRANSITION FROM RECTANGULAR TO ROUND   |
| [Symbol] | RECTANGULAR DUCT BREAK  |
| [Symbol] | ROUND DUCT BREAK  |
| [Symbol] | SINGLE LINE DUCT BREAK  |
| [Symbol] | TRANSFER AIR DUCT   |
| [Symbol] | SUPPLY AIR LIGHT TROFFER  |
| [Symbol] | 75mm (3/4") DOOR UNDERCUT   |

**PLUMBING**

| SYMBOL   | DESCRIPTION                                       |
|----------|---|
| [Symbol] | SANITARY DRAINAGE - ABOVE GROUND                  |
| [Symbol] | SANITARY DRAINAGE - UNDERGROUND                   |
| [Symbol] | SANITARY DRAINAGE (ACID RESISTANT) - ABOVE GROUND |
| [Symbol] | SANITARY DRAINAGE (ACID RESISTANT) - UNDERGROUND  |
| [Symbol] | STORM DRAINAGE - ABOVE GROUND                     |
| [Symbol] | STORM DRAINAGE - UNDERGROUND                      |
| [Symbol] | PUMPED DISCHARGE                                  |
| [Symbol] | DOMESTIC COLD WATER SUPPLY                        |
| [Symbol] | DOMESTIC HOT WATER SUPPLY                         |
| [Symbol] | DOMESTIC HOT WATER RECIRC.                        |
| [Symbol] | TEMPERED WATER                                    |
| [Symbol] | ACID RESISTANT VENT                               |
| [Symbol] | VENT  |
| [Symbol] | GAS   |
| [Symbol] | REVERSE OSMOSIS PIPING                            |
| [Symbol] | RADIOISOTOPE DRAIN                                |
| [Symbol] | COMPRESSED AIR                                    |
| [Symbol] | RUNNING TRAP                                      |
| [Symbol] | P-TRAP  |
| [Symbol] | EMERGENCY SHOWER                                  |
| [Symbol] | EYE WASH  |
| [Symbol] | CLEANOUT IN FLOOR/BELOW GRADE                     |
| [Symbol] | CLEANOUT IN CEILING                               |
| [Symbol] | HOSE BIBB   |
| [Symbol] | NON FREEZE HOSE BIBB                              |
| [Symbol] | SINGLE GAS OUTLET                                 |
| [Symbol] | DOUBLE GAS OUTLET                                 |
| [Symbol] | COMPRESSED AIR OUTLET                             |
| [Symbol] | ROOF DRAIN  |
| [Symbol] | CONTROL FLOW ROOF DRAIN                           |
| [Symbol] | VENT THROUGH ROOF                                 |
| [Symbol] | RAIN WATER LEADER                                 |
| [Symbol] | TRAP SEAL PRIMER                                  |
| [Symbol] | SCUPPER DRAIN                                     |
| [Symbol] | MANHOLE   |
| [Symbol] | CATCH BASIN                                       |
| [Symbol] | TRENCH GRATE & FRAME                              |
| [Symbol] | AREA DRAIN  |
| [Symbol] | FUNNEL FLOOR DRAIN                                |
| [Symbol] | FLOOR DRAIN                                       |
| [Symbol] | HUB DRAIN   |
| [Symbol] | FLOOR SINK  |
| [Symbol] | FLOOR DRAIN - FLUSHING RIM                        |
| [Symbol] | WATER METER ASSEMBLY                              |
| [Symbol] | GAS METER   |
| [Symbol] | BACK WATER VALVE                                  |
| [Symbol] | BACKFLOW PREVENTER                                |
| [Symbol] | WC-1*   |

| Sheet Number | Sheet Title                            |
|--------------|--|
| M001         | MECHANICAL LEGEND AND DRAWING LIST     |
| M001         | PARTIAL GROUND FLOOR DEMOLITION PLAN   |
| M201         | PARTIAL GROUND FLOOR NEW WORK          |
| M401         | MECHANICAL DETAILS & CONTROL SEQUENCES |
| M501         | MECHANICAL SCHEDULES                   |

**FIRE PROTECTION**

| SYMBOL   | DESCRIPTION                          |
|----------|--------------------------------------|
| [Symbol] | SPRINKLER LINE                       |
| [Symbol] | FIRE MAIN                            |
| [Symbol] | STANDPIPE                            |
| [Symbol] | WATER FLOW ALARM                     |
| [Symbol] | SUPERVISED VALVE                     |
| [Symbol] | PRESSURE SWITCH                      |
| [Symbol] | TEST CONNECTION                      |
| [Symbol] | SPRINKLER FIRE DEPARTMENT CONNECTION |
| [Symbol] | PENDENT SPRINKLER HEAD               |
| [Symbol] | UPRIGHT SPRINKLER HEAD               |
| [Symbol] | CONCEALED SPRINKLER HEAD             |
| [Symbol] | FIRE SUPPRESSION (CLEAN AGENT) HEAD  |
| [Symbol] | SIDEWALL SPRINKLER HEAD              |
| [Symbol] | POST-INDICATOR VALVE                 |
| [Symbol] | SPRINKLER VALVE CABINET              |
| [Symbol] | FIRE EXTINGUISHER CABINET            |
| [Symbol] | FIRE HOSE CABINET                    |
| [Symbol] | FIRE EXTINGUISHER C/W WALL BRACKET   |
| [Symbol] | FIRE HYDRANT C/W SHUT-OFF VALVE      |
| [Symbol] | PRESSURE SWITCH                      |
| [Symbol] | WATER FLOW ALARM                     |
| [Symbol] | EXCESS PRESSURE PUMP                 |
| [Symbol] | WET ALARM CHECK VALVE                |
| [Symbol] | TEST & DRAIN VALVE                   |
| [Symbol] | WATER FLOW ALARM                     |
| [Symbol] | PRESSURE SWITCH                      |
| [Symbol] | DRY ALARM CHECK VALVE                |
| [Symbol] | TEST & DRAIN VALVE                   |
| [Symbol] | AIR COMPRESSOR                       |

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.



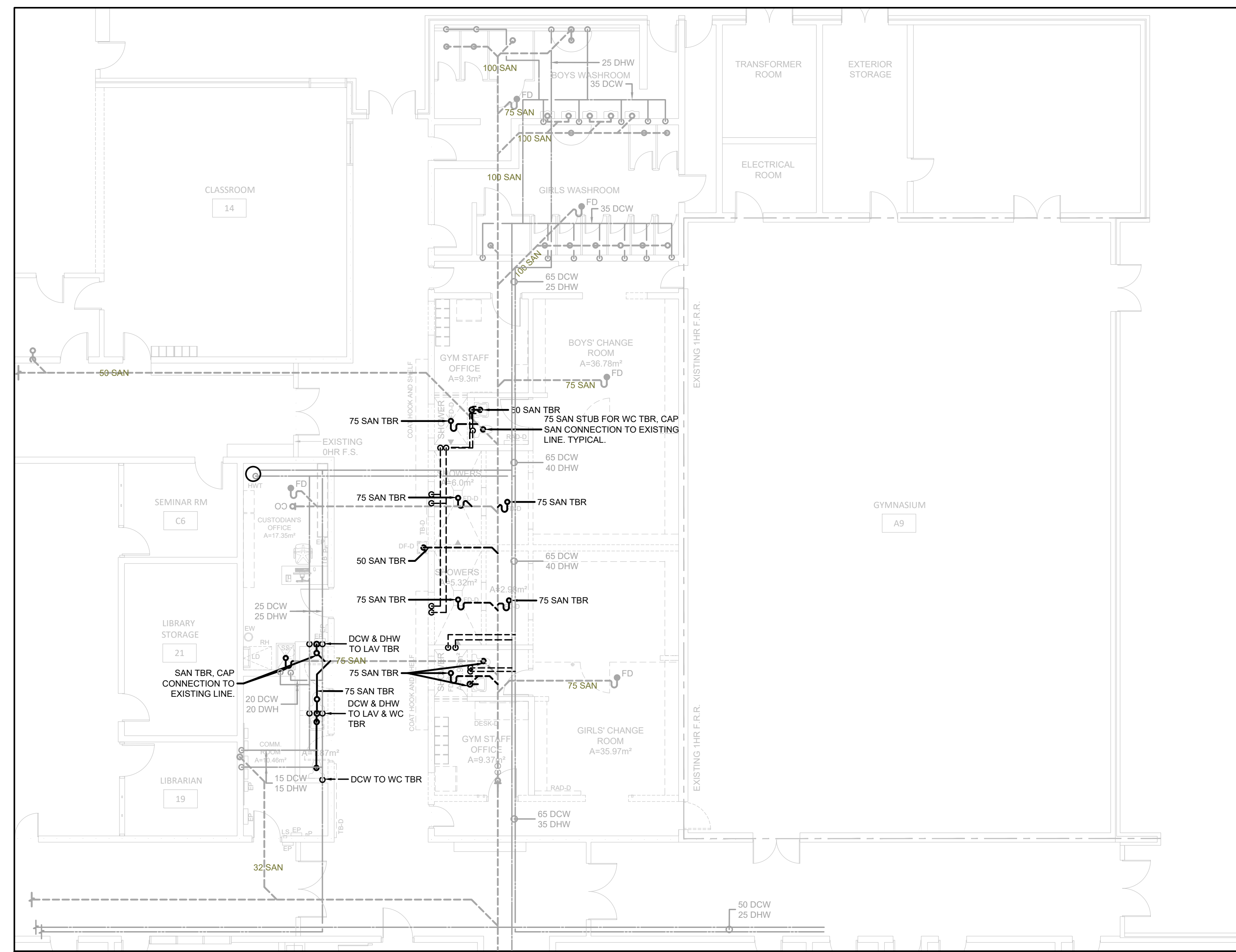
| NO. | ISSUED FOR                 | DATE        |
|-----|----------------------------|-------------|
| 1   | ISSUED FOR COORDINATION    | 2024-FEB-08 |
| 2   | ISSUED FOR PERMIT & TENDER | 2024-FEB-16 |
| 3   | ISSUED FOR PERMIT & TENDER | 2024-MAR-11 |

PROJECT: PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS WATERLOO REGION DISTRICT SCHOOL BOARD  
 55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
 DRAWING: MECHANICAL LEGEND AND DRAWING LIST  
 DRAWING SCALE: AS SHOWN  
 SHEET NO.: 23016 - WRDSB PIONEER PARK

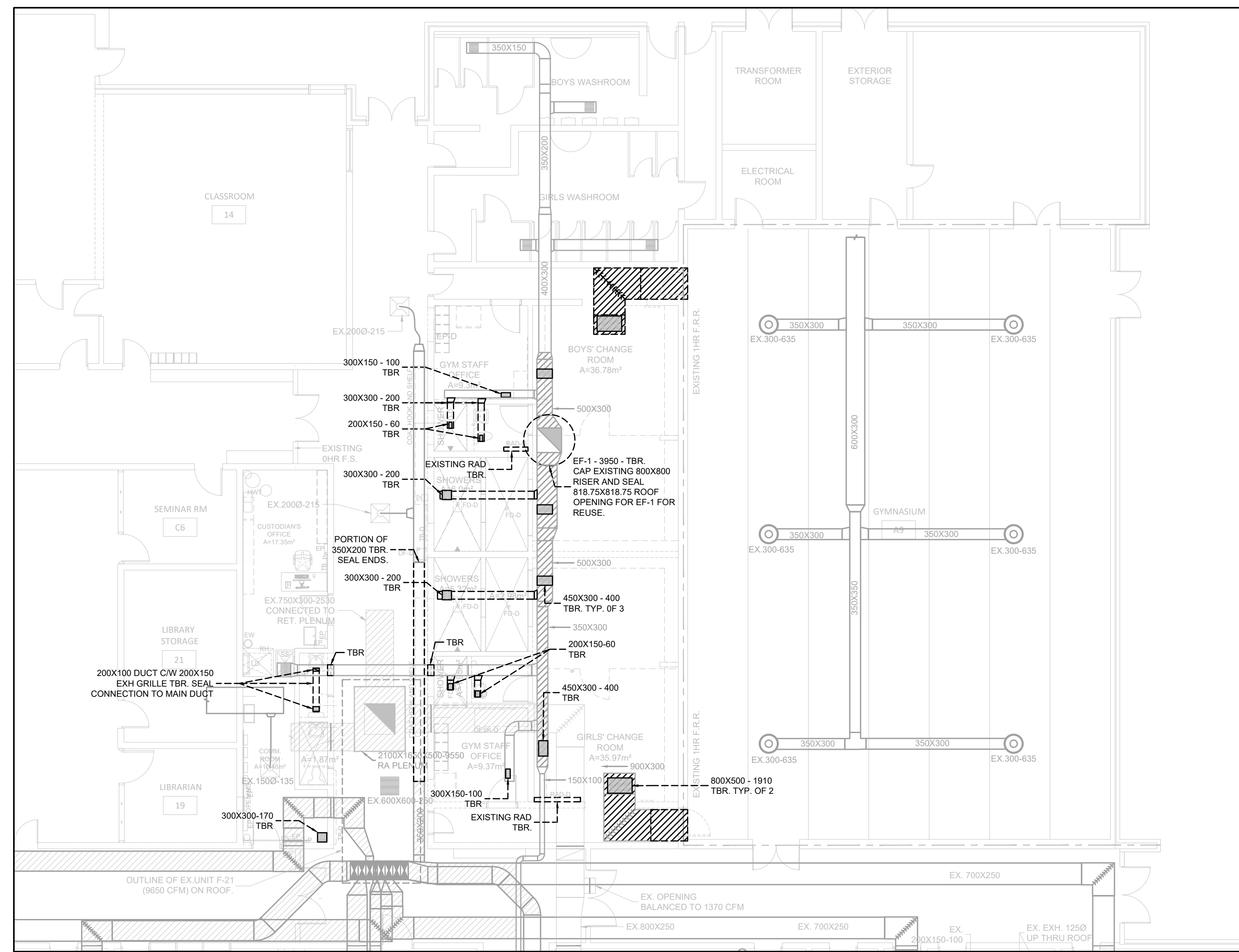
250 ROWNTREE DAIRY RD. WOODBRIDGE, ON  
 TEL: 905-97-0900  
 WEB: WWW.QUASARGROUP.COM

**M001**

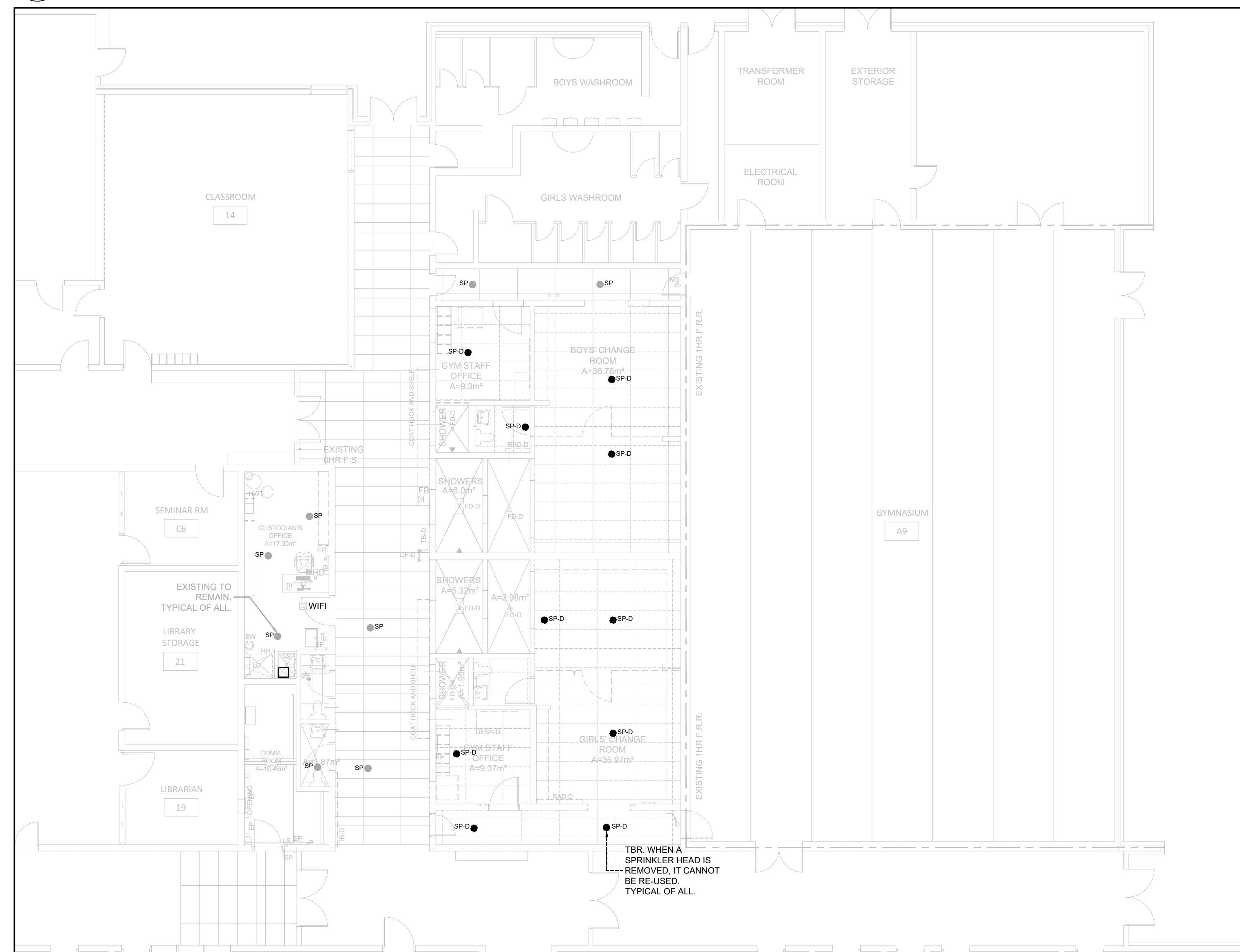
QUASAR PROJECT No.: ED-20-312



1 PARTIAL GROUND FLOOR DEMOLITION PLAN - PLUMBING  
M101/1:100

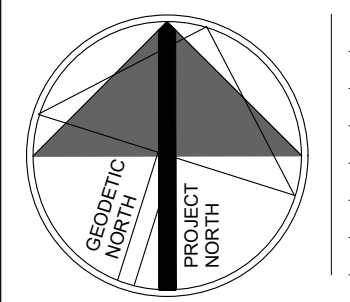


2 PARTIAL GROUND FLOOR DEMOLITION PLAN - HVAC  
M101/1:100



3 PARTIAL GROUND FLOOR DEMOLITION PLAN - FIRE PROTECTION  
M101/1:100

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.



| NO. | REVISION                   | DATE        |
|-----|----------------------------|-------------|
| 1   | ISSUED FOR COORDINATION    | 2024-FEB-08 |
| 2   | ISSUED FOR PERMIT & TENDER | 2024-FEB-16 |
| 3   | ISSUED FOR PERMIT & TENDER | 2024-MAR-11 |

project  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
WATERLOO REGION DISTRICT SCHOOL BOARD  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
drawing  
PARTIAL GROUND FLOOR DEMOLITION PLAN  
drawing scale  
AS SHOWN  
ward99 project number  
23016 - WRDSB PIONEER PARK

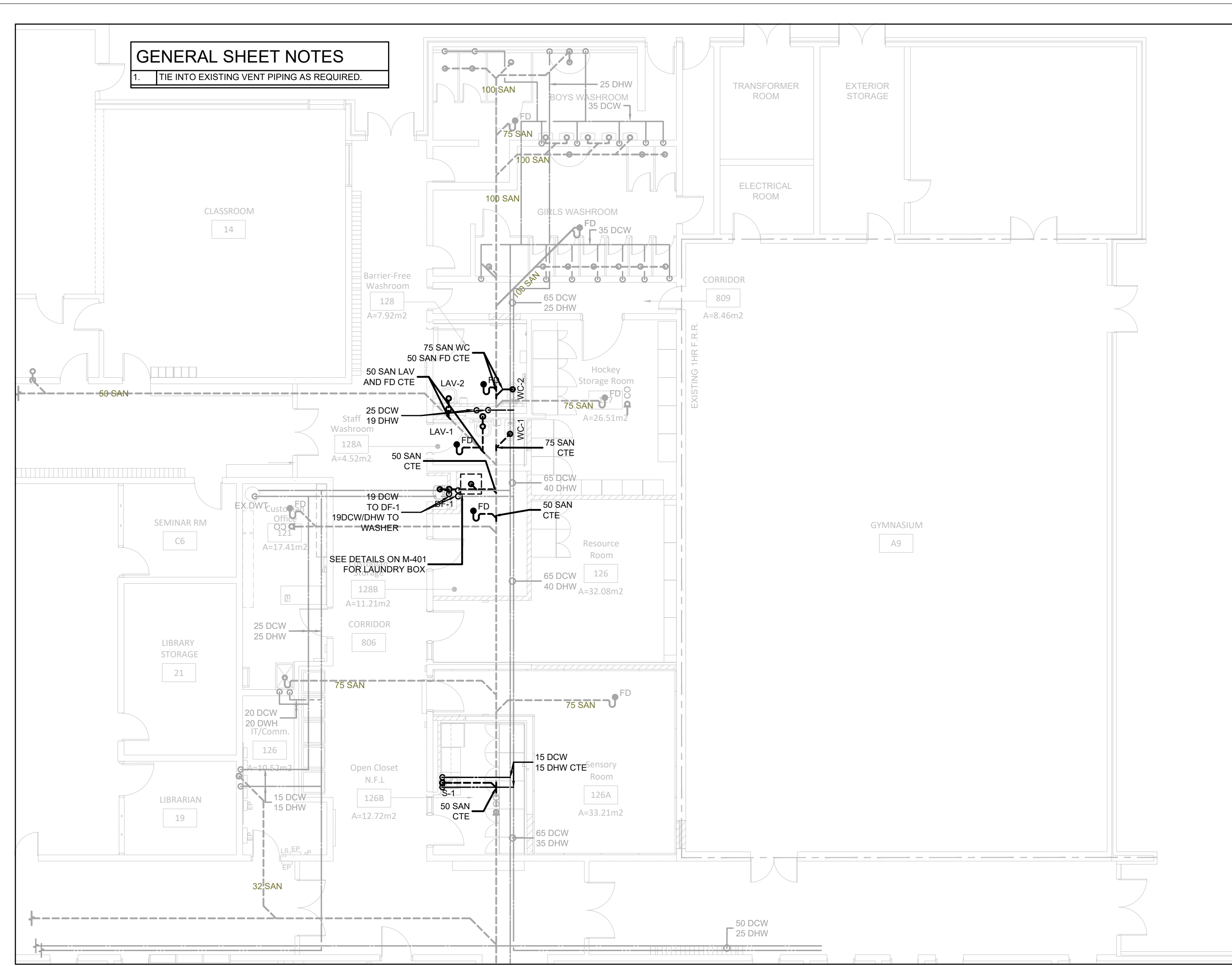


250 ROWNTREE DAIRY RD, WOODBRIDGE, ON  
TEL: 905-67-0900  
WEB: WWW.QUASARGROUP.COM

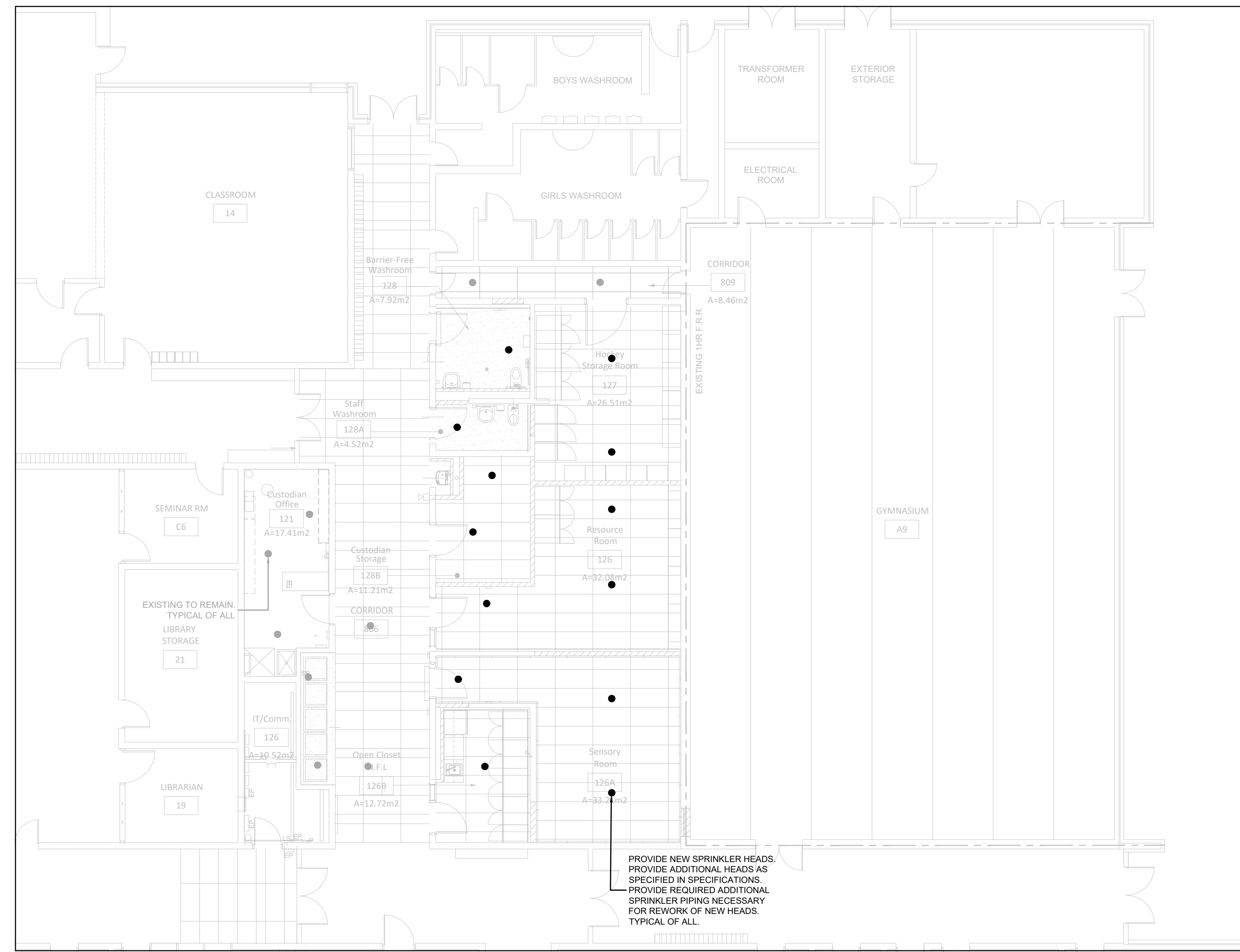
M101

QUASAR PROJECT No.:  
ED-20-312

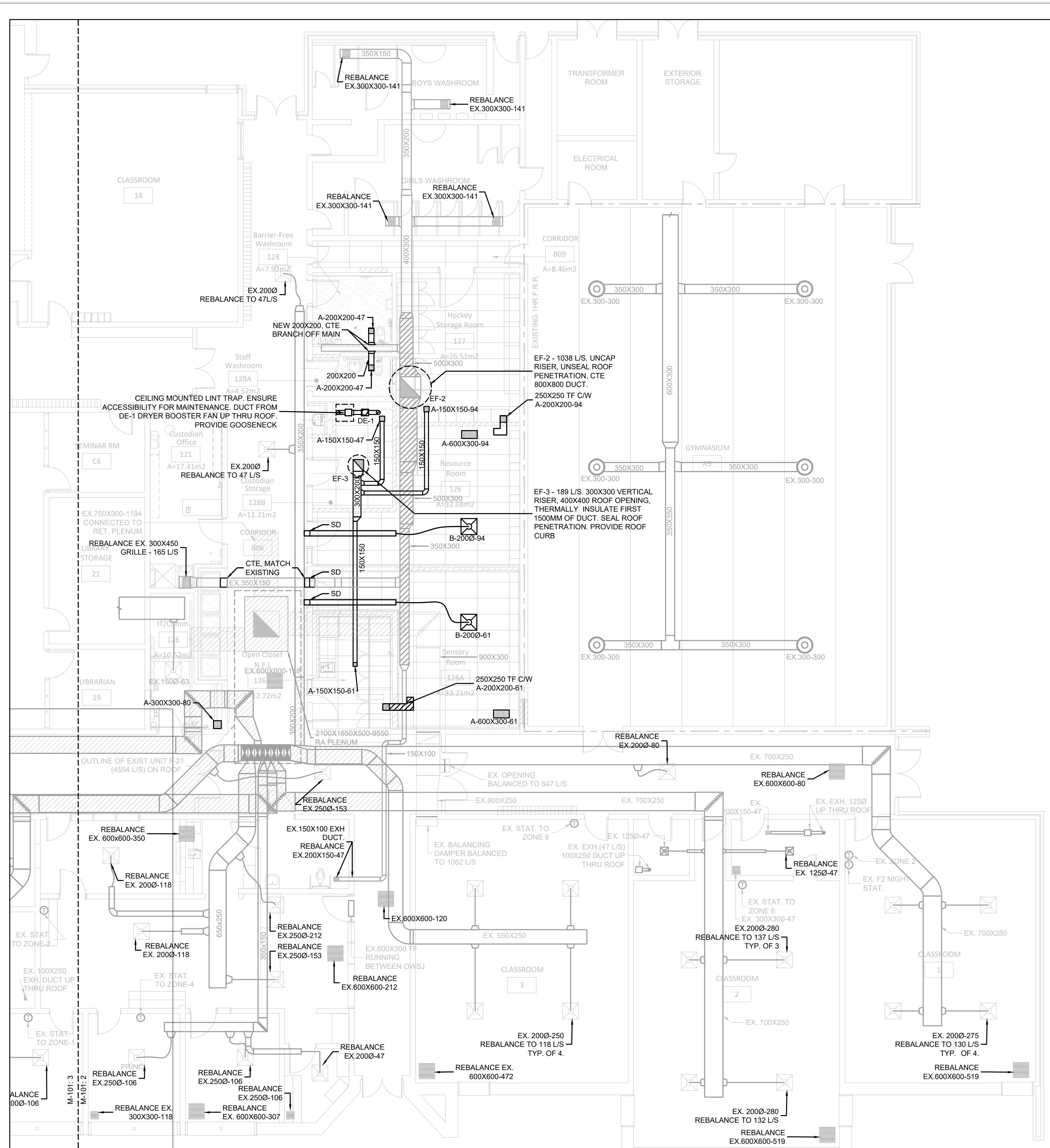




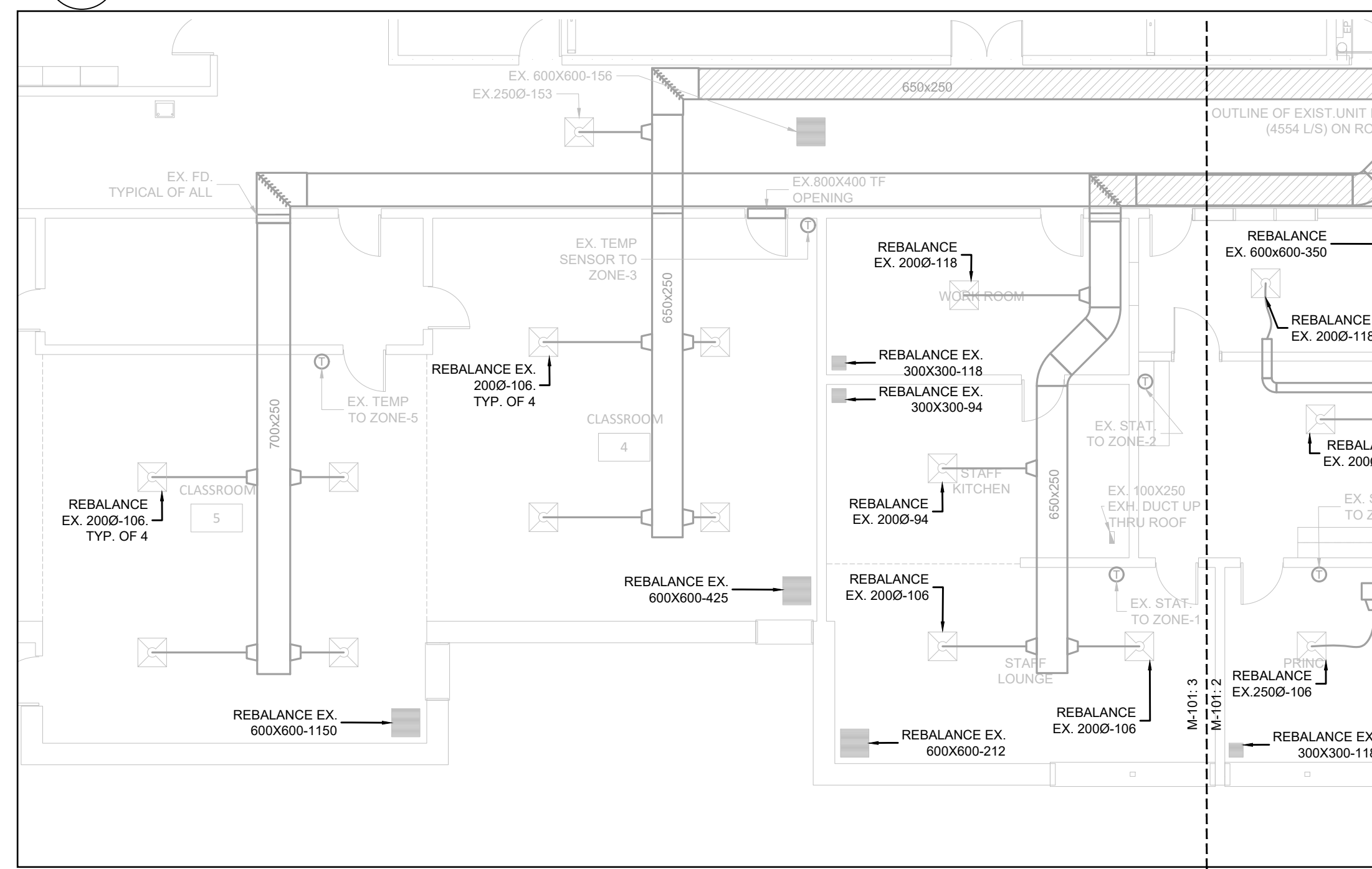
1 PARTIAL GROUND FLOOR NEW WORK - PLUMBING  
M201/1:100



4 PARTIAL GROUND FLOOR NEW WORK - FIRE PROTECTION  
M201/1:100



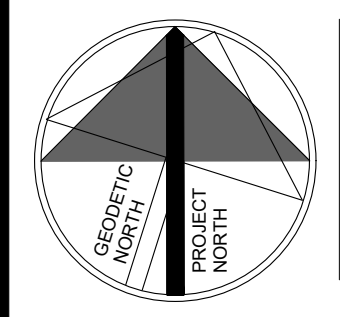
2 PARTIAL GROUND FLOOR NEW WORK - HVAC  
M201/1:100



3 PARTIAL GROUND FLOOR NEW WORK - HVAC  
M201/1:100

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| Date | Revisions | Drawn |
|------|-----------|-------|
|      |           |       |
|      |           |       |
|      |           |       |
|      |           |       |
|      |           |       |
|      |           |       |
|      |           |       |
|      |           |       |
|      |           |       |
|      |           |       |
|      |           |       |



project  
**PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS**  
WATERLOO REGION DISTRICT SCHOOL BOARD

location  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2

drawing  
PARTIAL GROUND FLOOR NEW WORK

drawing scale  
AS SHOWN

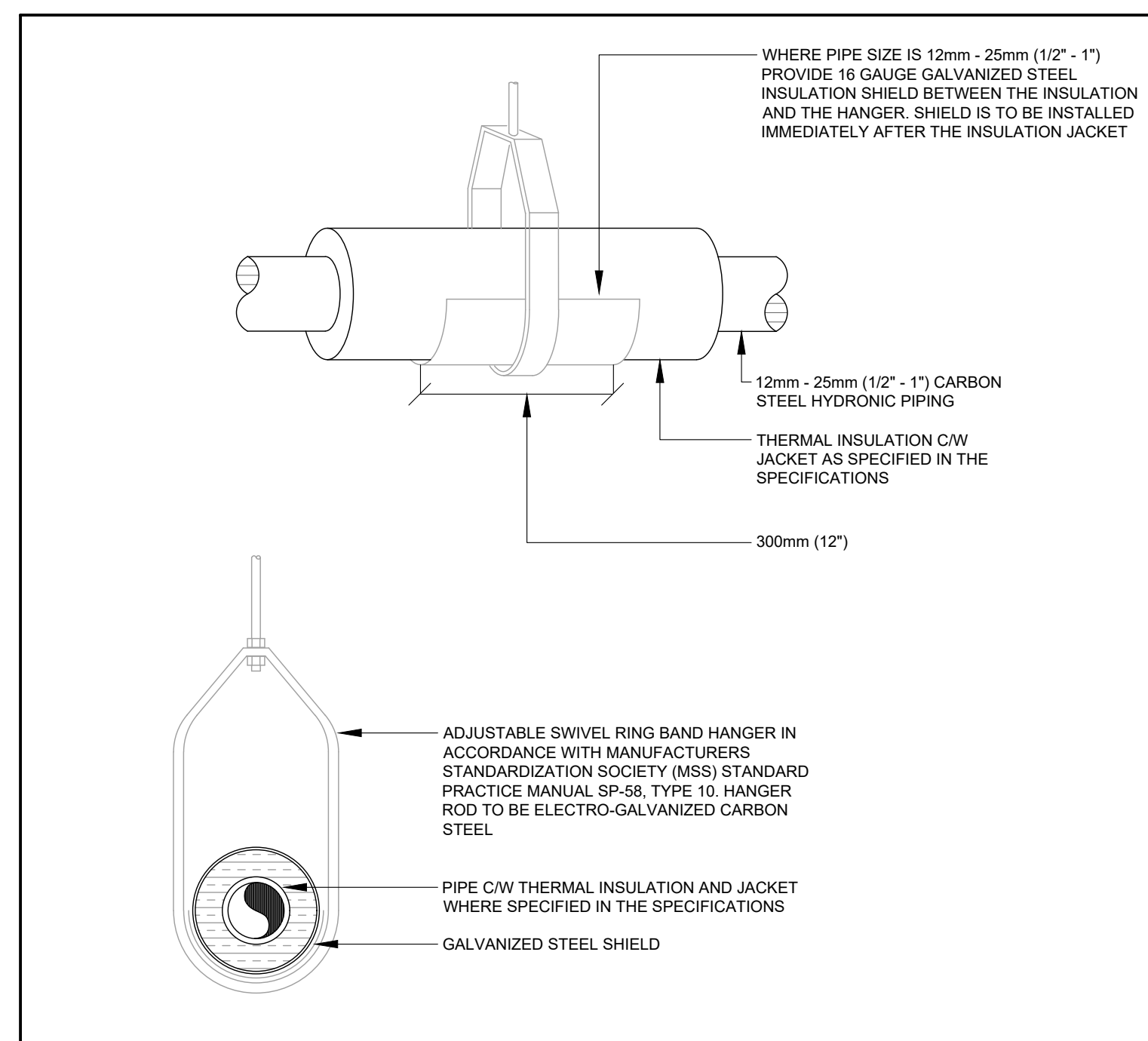
ward99 project number  
23016 - WRDSB PIONEER PARK

drawing no.  
**M201**

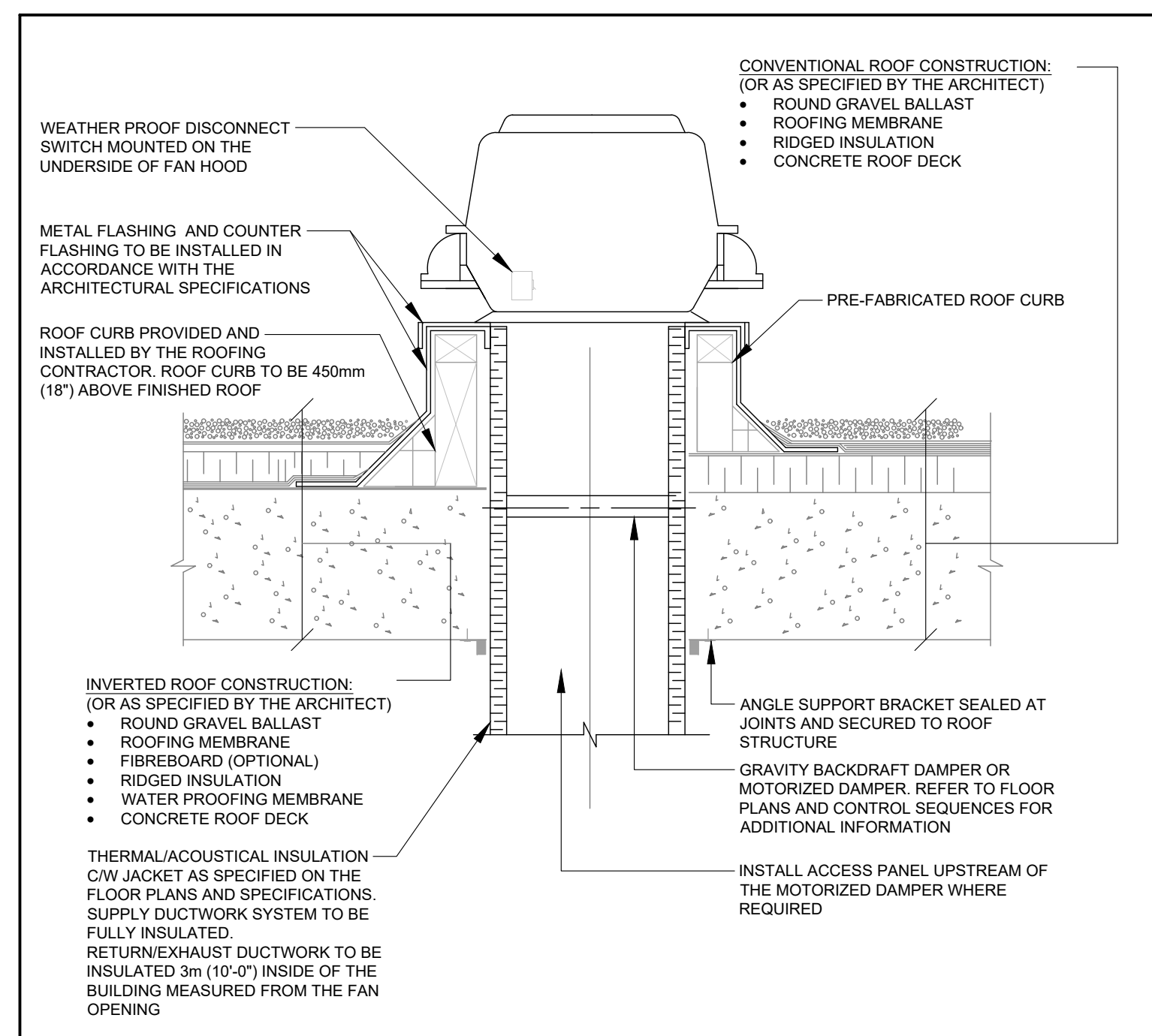
QUASAR CONSULTING GROUP

250 ROUNDTREE DAIRY RD., WOODBRIDGE, ON  
TEL: 905-607-0900  
WWW.QUASARCG.COM

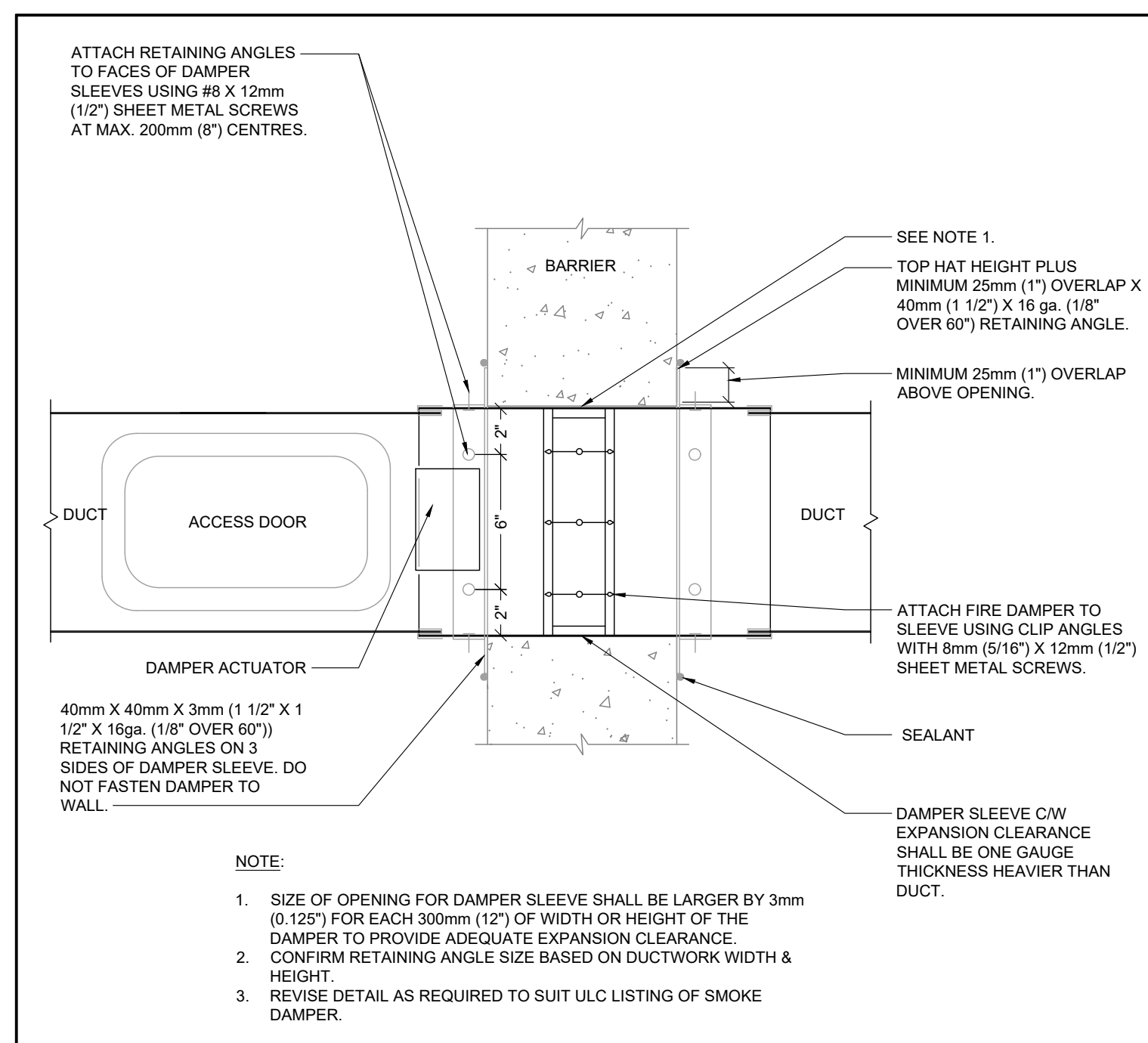
QUASAR PROJECT No.:  
ED-20-312



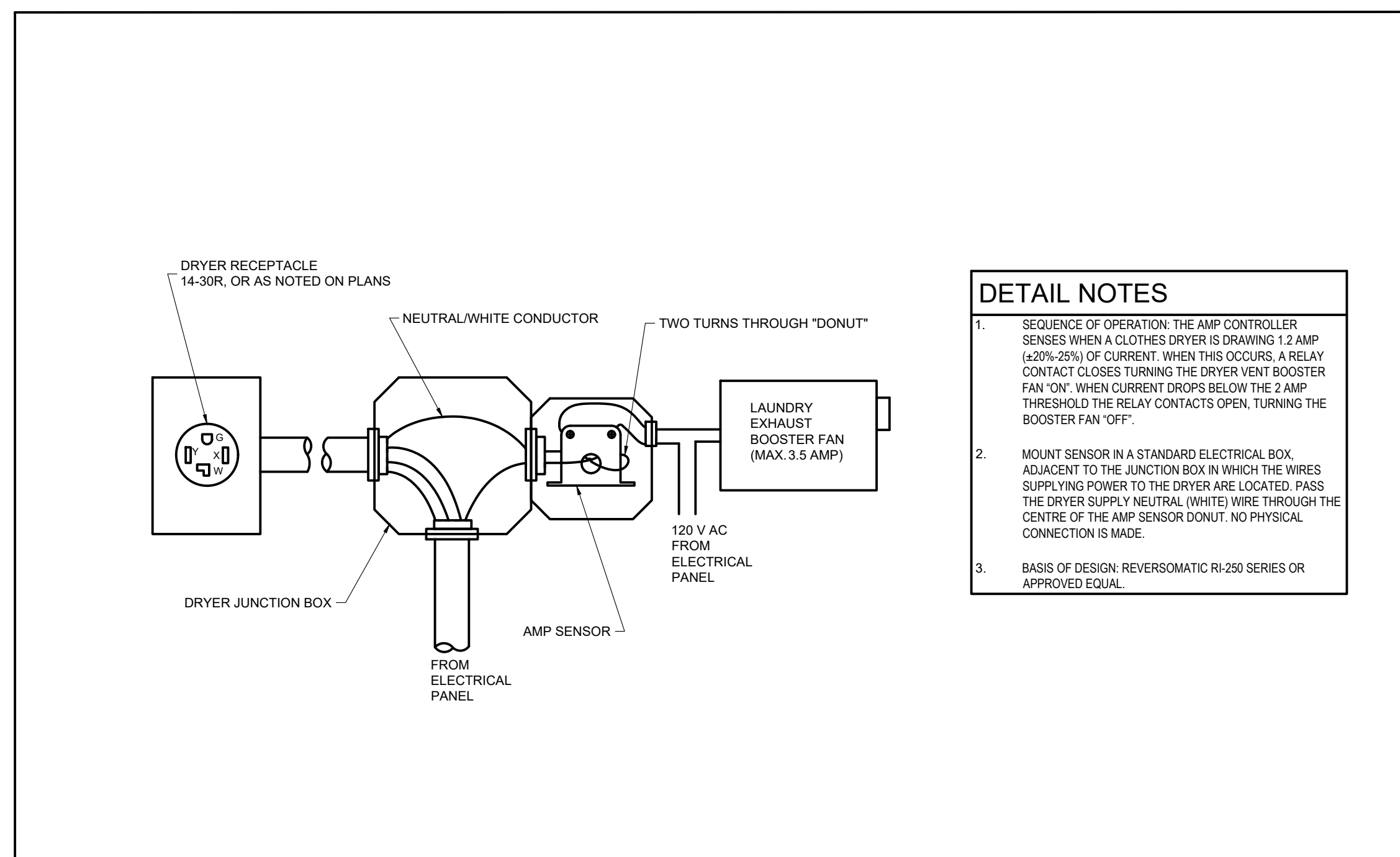
20 05 00.03 PIPING HANGERS AND SUPPORTS  
NOT TO SCALE



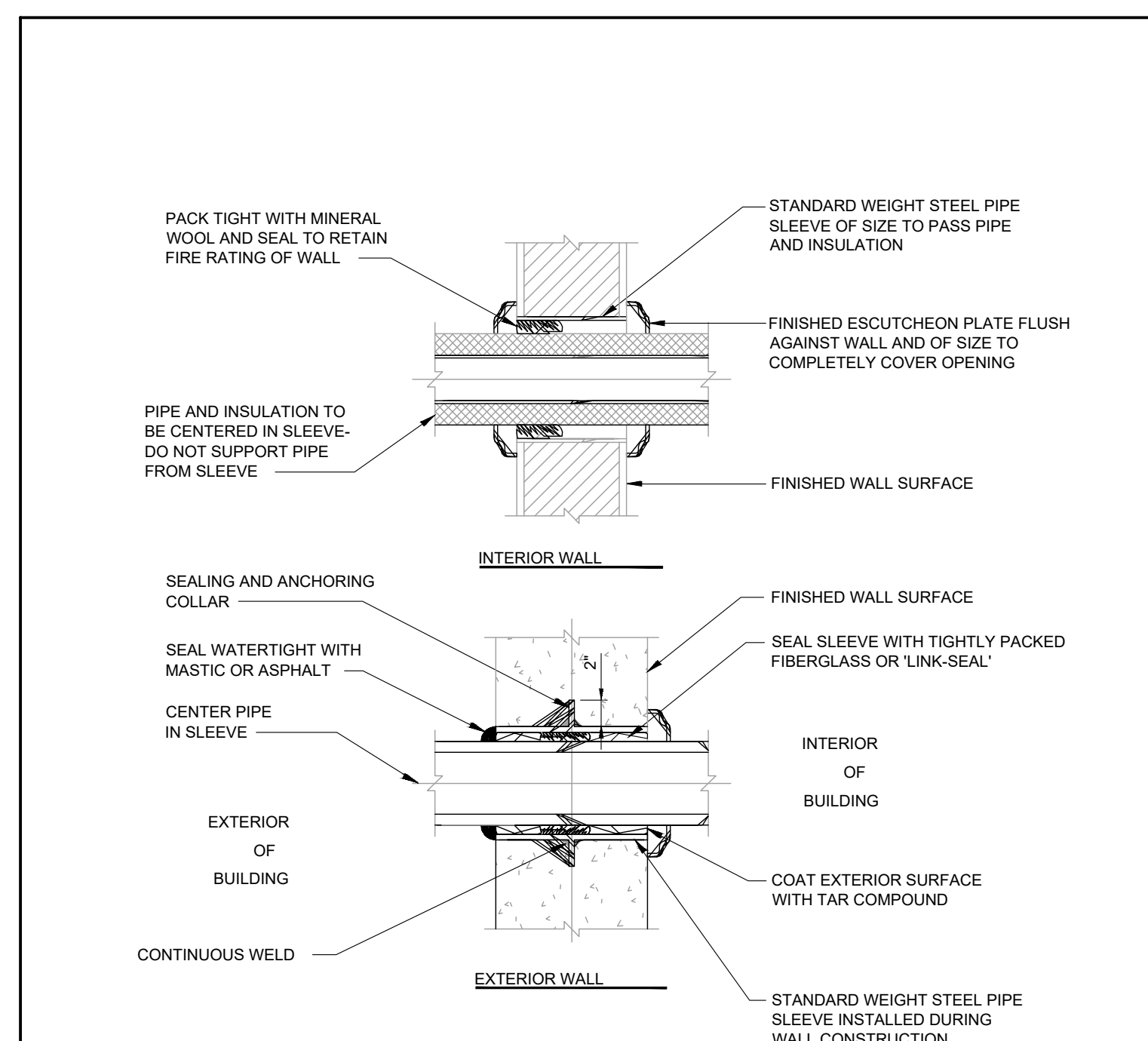
23 34 00.08 ROOF MOUNTED EXHAUST FAN  
NOT TO SCALE



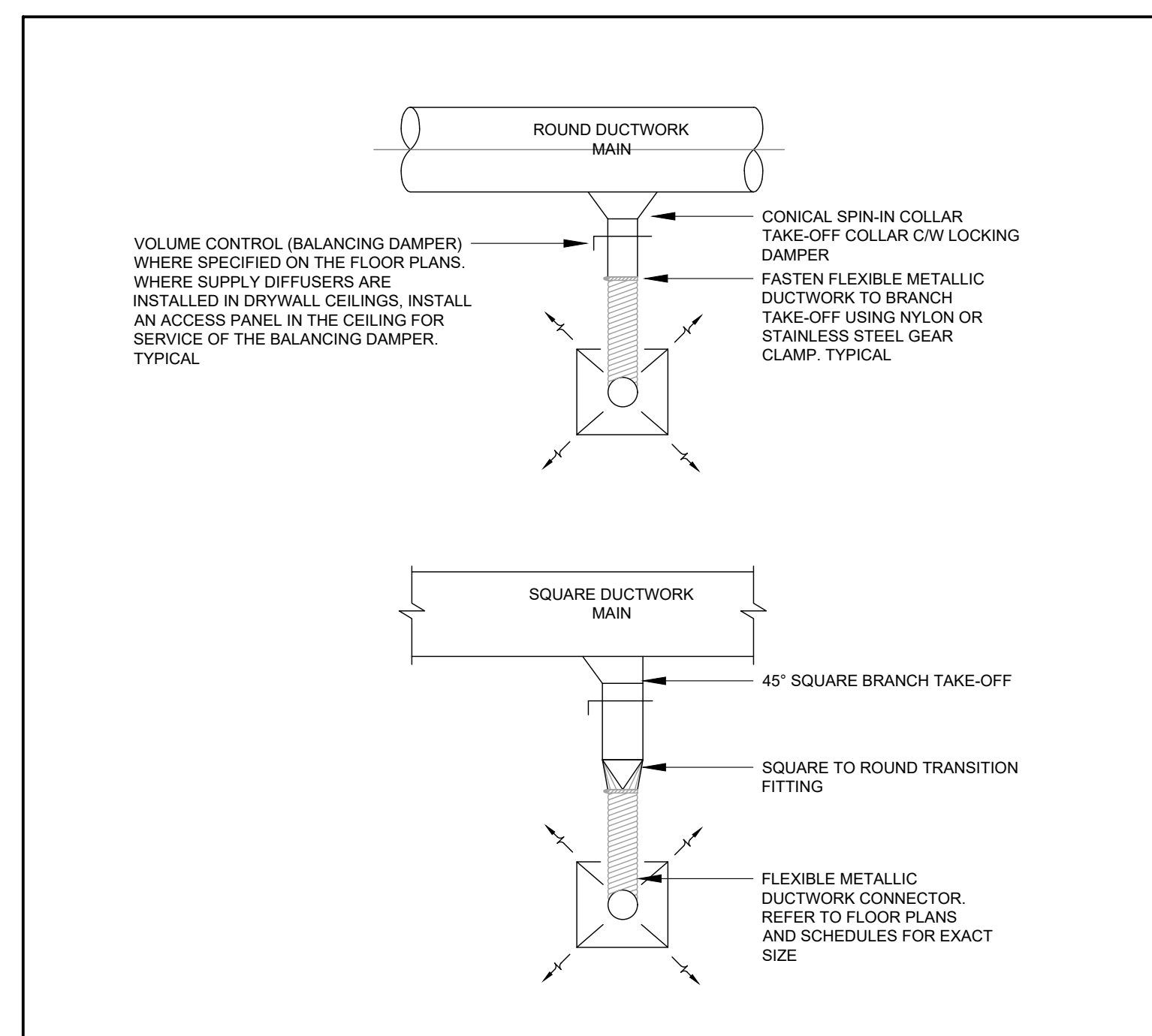
SMOKE DAMPERS TYPICAL DETAIL  
NOT TO SCALE



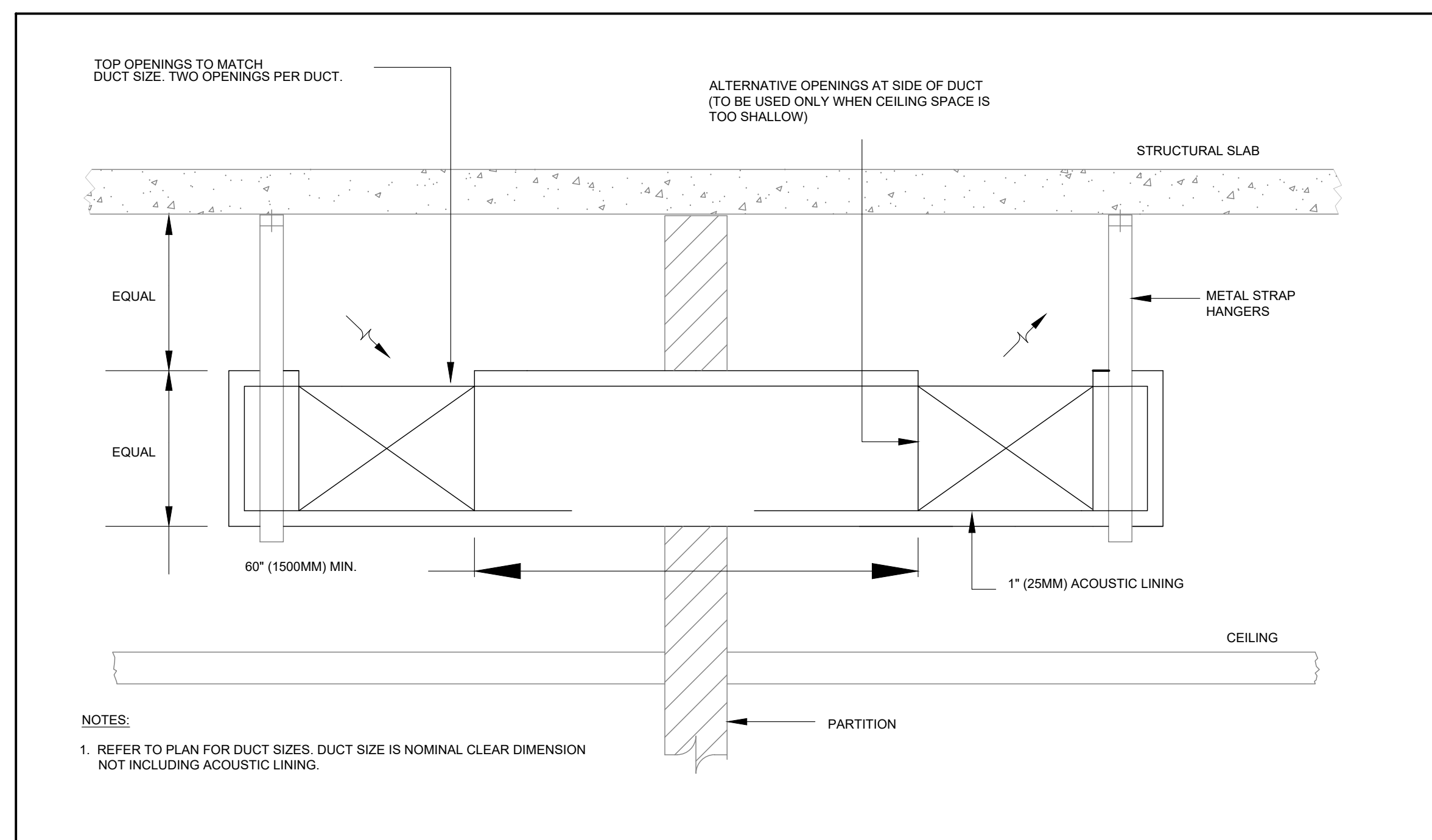
23 34 00.15 LAUNDRY BOOSTER FAN CONTROL  
NOT TO SCALE



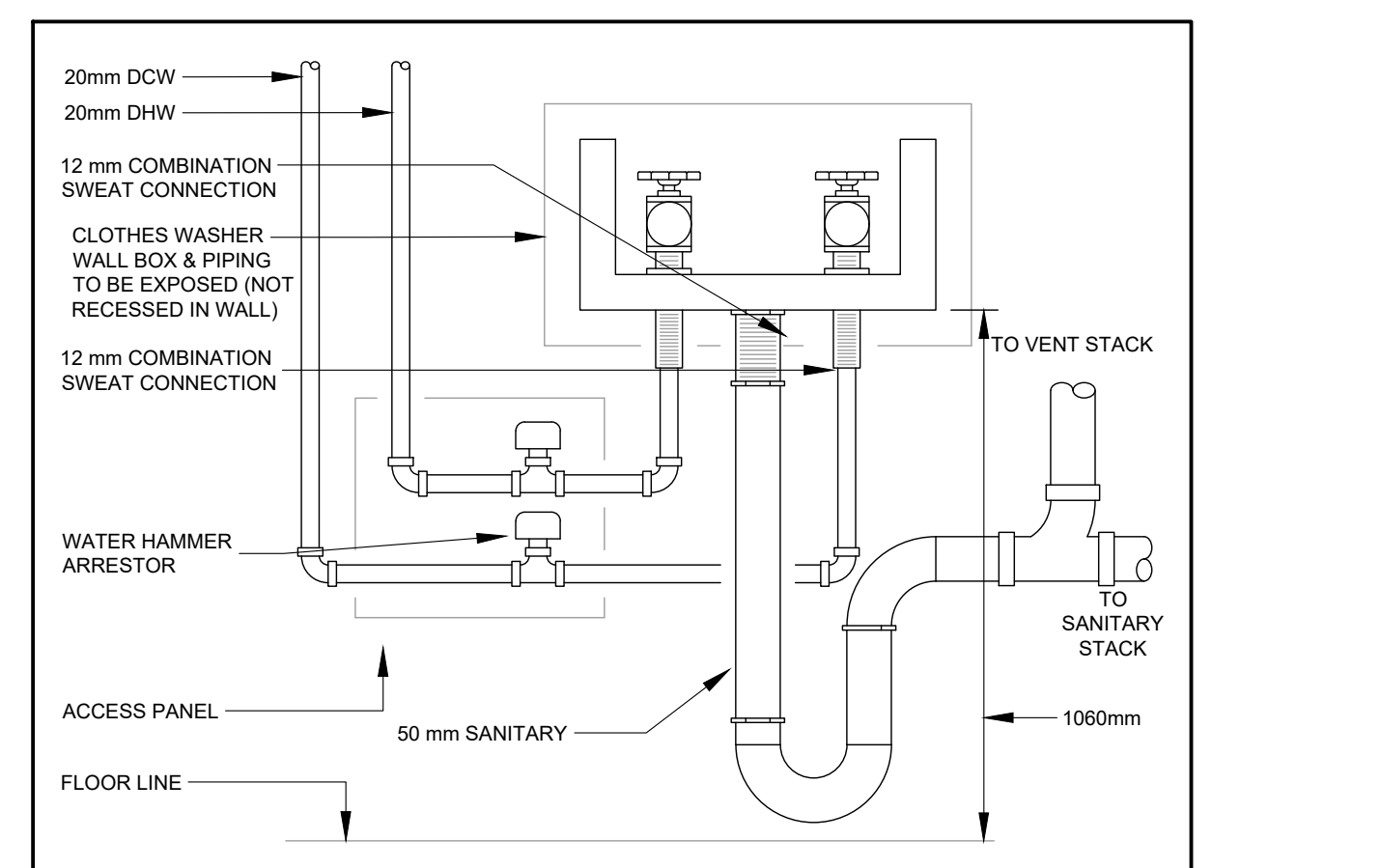
20 05 00.12 DETAIL OF PIPING PENETRATION THROUGH WALL  
NOT TO SCALE



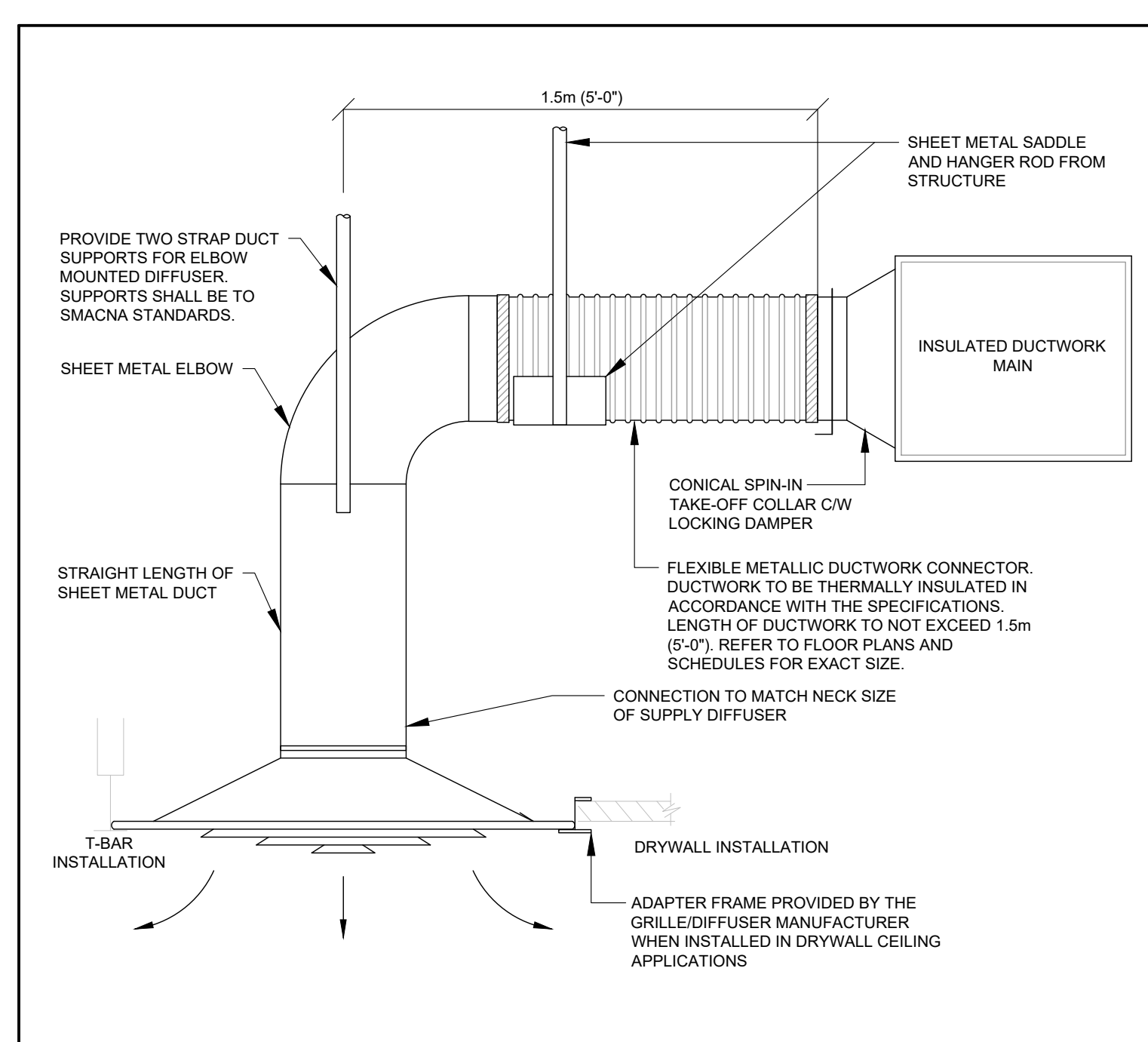
23 30 09.02 FLEXIBLE METALLIC DUCTWORK CONNECTION  
NOT TO SCALE



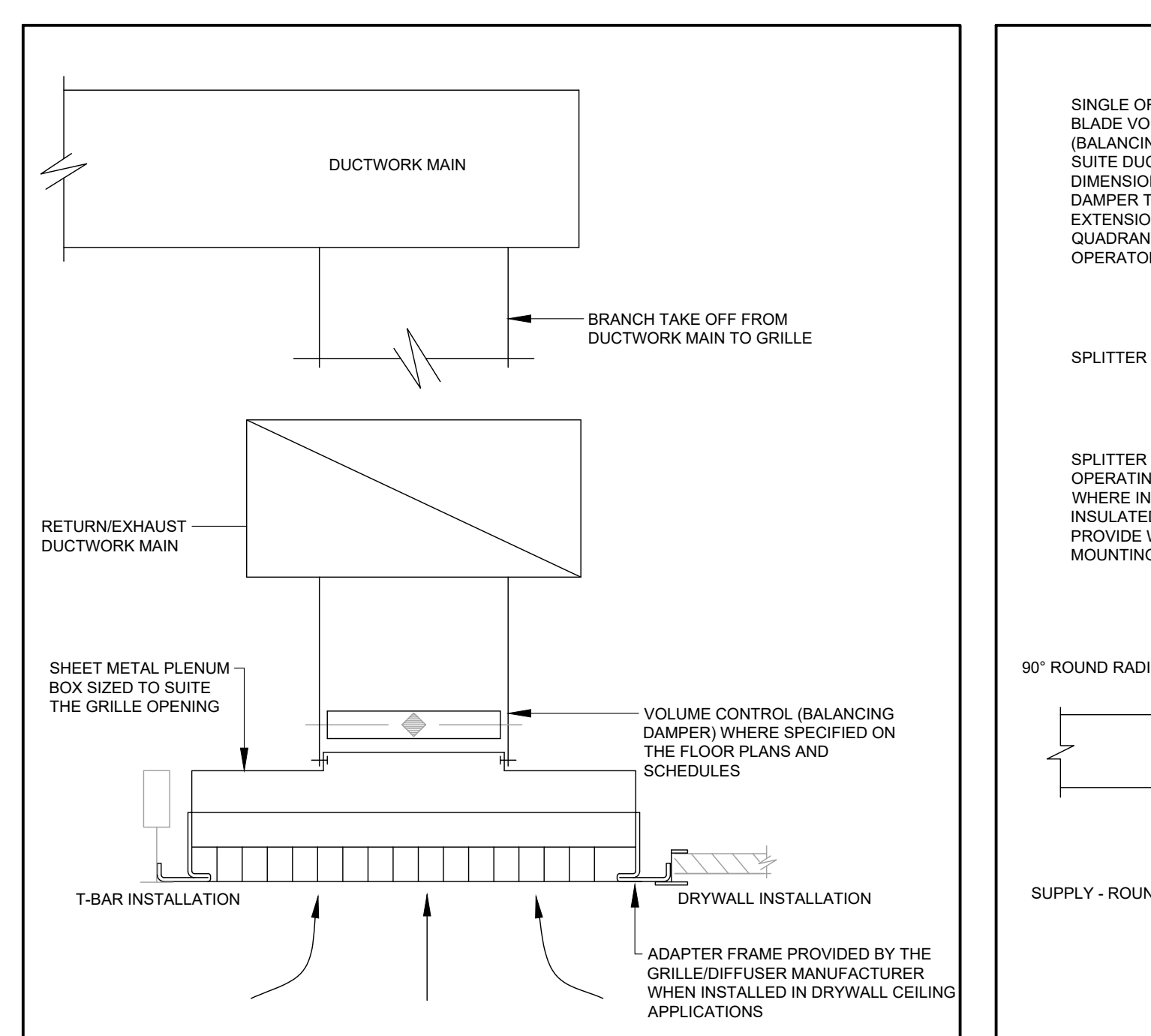
23 30 00.05 TRANSFER AIR DUCT  
NOT TO SCALE



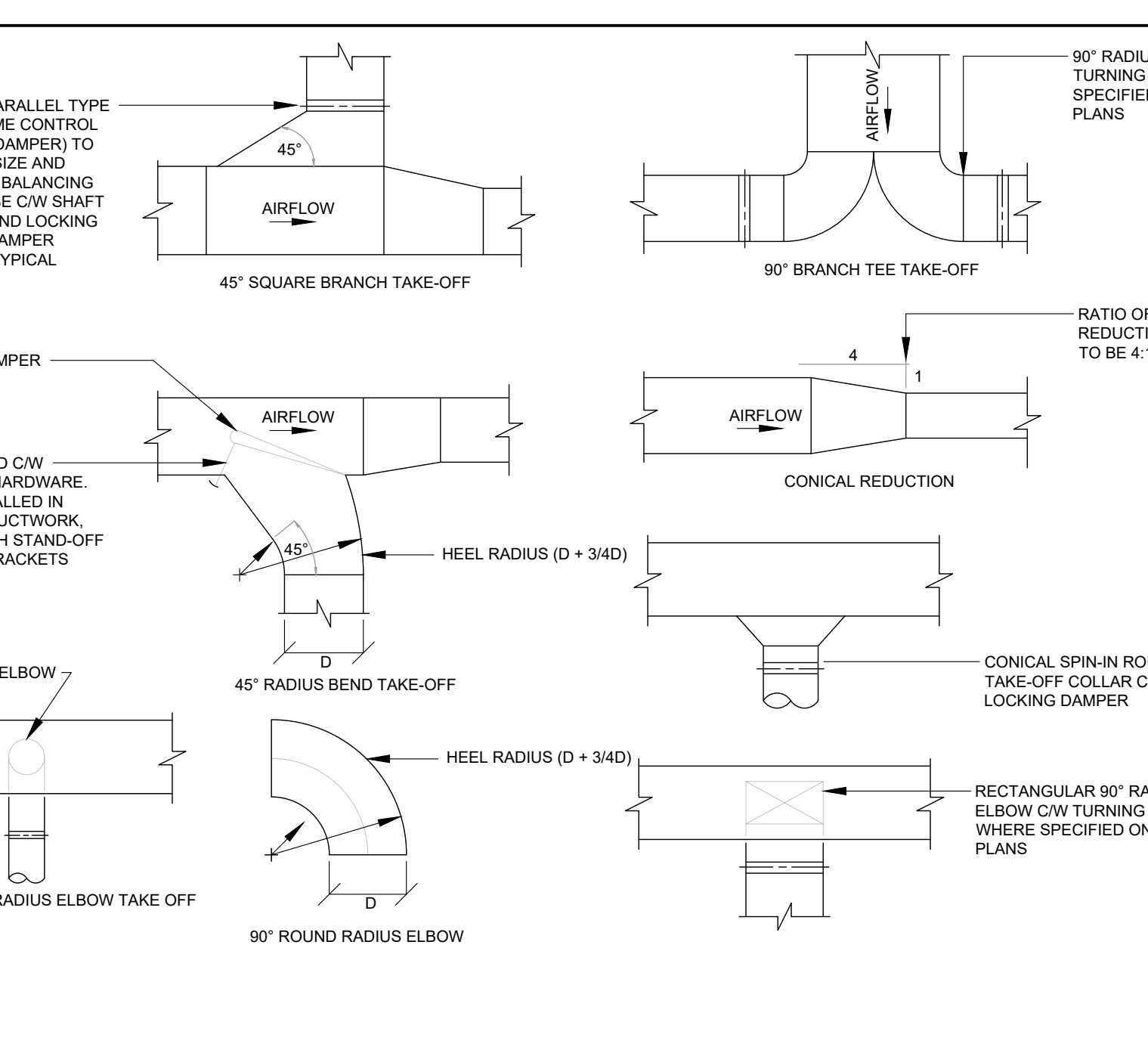
22 30 00.02 LAUNDRY BOX



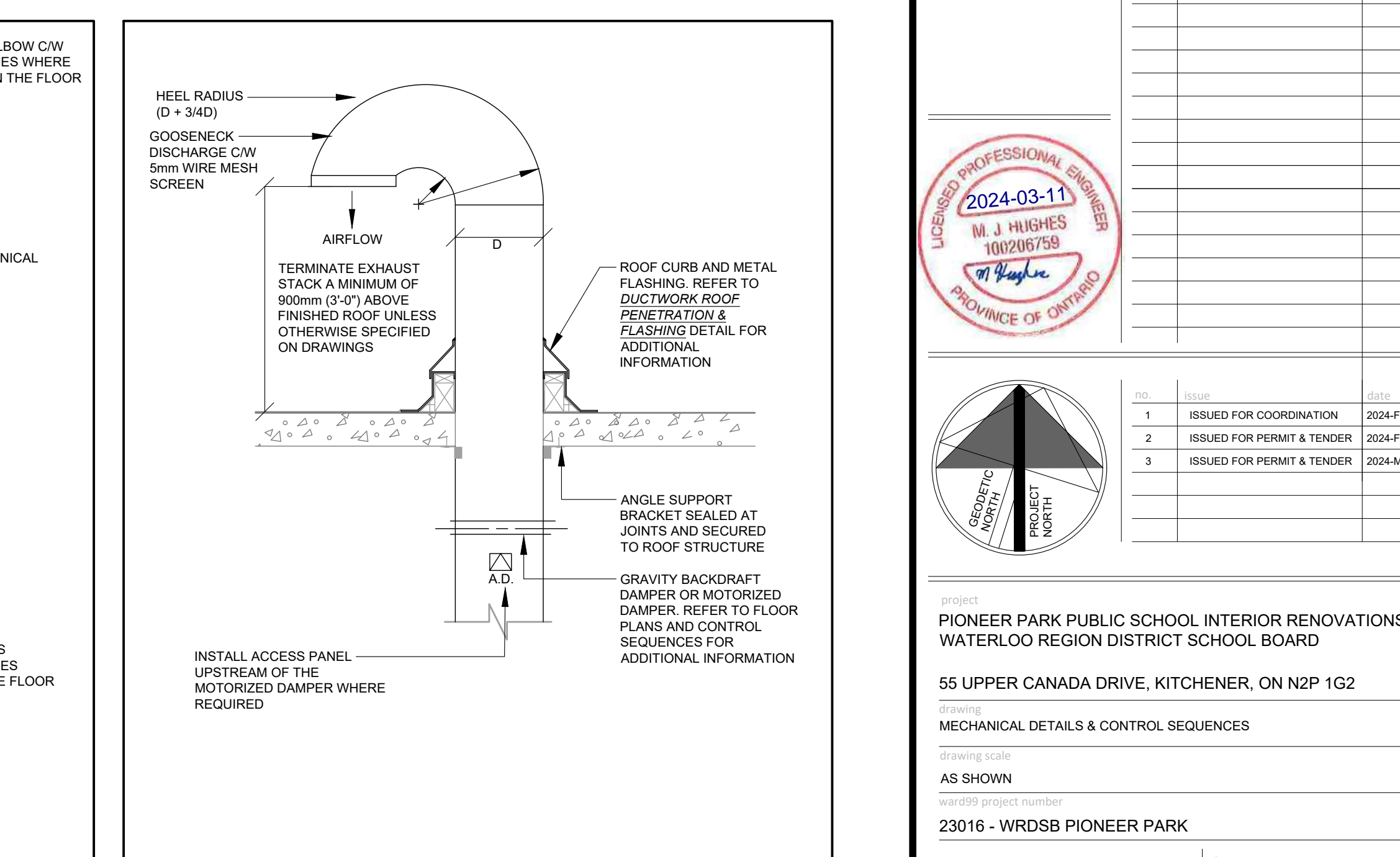
23 30 09.01 FLEXIBLE METALLIC DUCTWORK  
NOT TO SCALE



23 30 42.02 CEILING MOUNTED GRILLE  
NOT TO SCALE



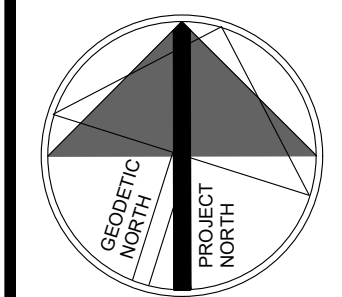
23 30 00.01 DUCTWORK FITTINGS & TAKE-OFF'S  
NOT TO SCALE



23 30 00.02 DUCT THROUGH ROOF PENETRATION  
NOT TO SCALE

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |



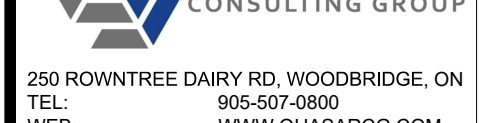
PROJECT  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
WATERLOO REGION DISTRICT SCHOOL BOARD

55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2

DRAWING  
MECHANICAL DETAILS & CONTROL SEQUENCES

AS SHOWN  
ward99 project number

23016 - WRDSB PIONEER PARK



250 ROWNTREE DAIRY RD., WOODBIDGE, ON  
TEL: 905-97-0900  
WWW.QUASARGROUP.COM

QUASAR PROJECT No.:  
ED-20-312

M401

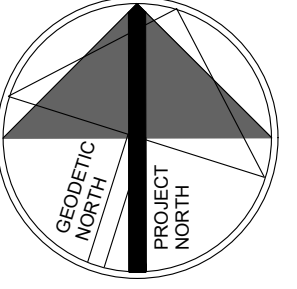
| PLUMBING FIXTURES SCHEDULE                                  |                   |          |      |     |     |
|---|-------------------|----------|------|-----|-----|
| TAG   | DESCRIPTION       | SANITARY | VENT | DOW | DHW |
| S-1   | KITCHEN SINK      | 50       | 32   | 12  | 12  |
| WC-1  | WATER CLOSET      | 75       | 40   | 25  | N/A |
| LAV-1   | LAVATORY          | 50       | 40   | 15  | 15  |
| LAV-2   | BF LAVATORY       | 50       | 40   | 15  | N/A |
| WC-2  | BF WATER CLOSET   | 75       | 40   | 25  | N/A |
| DF-1  | DRINKING FOUNTAIN | 50       | 32   | 19  | N/A |
| NOTES:<br>1. REFER TO SPECIFICATIONS FOR PLUMBING FIXTURES. |                   |          |      |     |     |

| GRILLES SCHEDULE |                                  |                      |                      |
|------------------|----------------------------------|----------------------|----------------------|
| TAG              | MANUFACTURER (OR EQUAL)          | SIZE                 | COLOUR               |
| A                | EH PRICE 80 SERIES RETURN GRILLE | SEE SIZE IN DRAWINGS | ARCHITECT TO CONFIRM |
| B                | EH PRICE SCD                     | SEE SIZE IN DRAWINGS | ARCHITECT TO CONFIRM |

| EXHAUST FAN SCHEDULE   |                         |         |                        |                   |        |      |               |            |         |                     |          |       |
|--|-------------------------|---------|------------------------|-------------------|--------|------|---------------|------------|---------|---------------------|----------|-------|
| TAG  | MANUFACTURER (OR EQUAL) | MODEL   | TYPE                   | SERVICE           | WEIGHT | RPM  | FLOW CFM(L/S) | ESP IN.W.C | V/PHHZ  | ELECTRICAL POWER HP | MOTOR HP | NOTES |
| EF-2   | COOK                    | 165 VCR | ROOF MOUNT UPBLAST FAN | WASHROOMS         | 86 LBS | 1725 | 2200 (1038)   | 0.32       | 208/160 | 0.347               | 0.5      | 1-4   |
| EF-3   | COOK                    | 100 VCR | ROOF MOUNT UPBLAST FAN | GENERAL EXHAUST   | 64 LBS | 1725 | 400 (189)     | 0.15       | 120/160 | 0.028               | 0.167    | 1-4   |
| DE-1   | REVERSOMATIC            | RI-250  | IN-LINE FAN            | DRYER BOOSTER FAN | 35 LBS | 1290 | 160 (76)      | 0.5        | 120/160 | N/A                 | 0.09     |       |
| NOTES:<br>1. PROVIDE WITH NEMA 3 DISCONNECT<br>2. PROVIDE WITH STARTER<br>3. PROVIDE WITH BACKDRAFT DAMPER - BD-18 |                         |         |                        |                   |        |      |               |            |         |                     |          |       |

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| NO. | REVISIONS | DATE |
|-----|-----------|------|
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |
|     |           |      |



| NO. | ISSUE                      | DATE        |
|-----|----------------------------|-------------|
| 1   | ISSUED FOR COORDINATION    | 2024-FEB-08 |
| 2   | ISSUED FOR PERMIT & TENDER | 2024-FEB-16 |
| 3   | ISSUED FOR PERMIT & TENDER | 2024-MAR-11 |
|     |                            |             |
|     |                            |             |
|     |                            |             |
|     |                            |             |
|     |                            |             |
|     |                            |             |

project  
**PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS**  
**WATERLOO REGION DISTRICT SCHOOL BOARD**

55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2

Drawing  
**MECHANICAL SCHEDULES**

Drawing Scale  
**AS SHOWN**

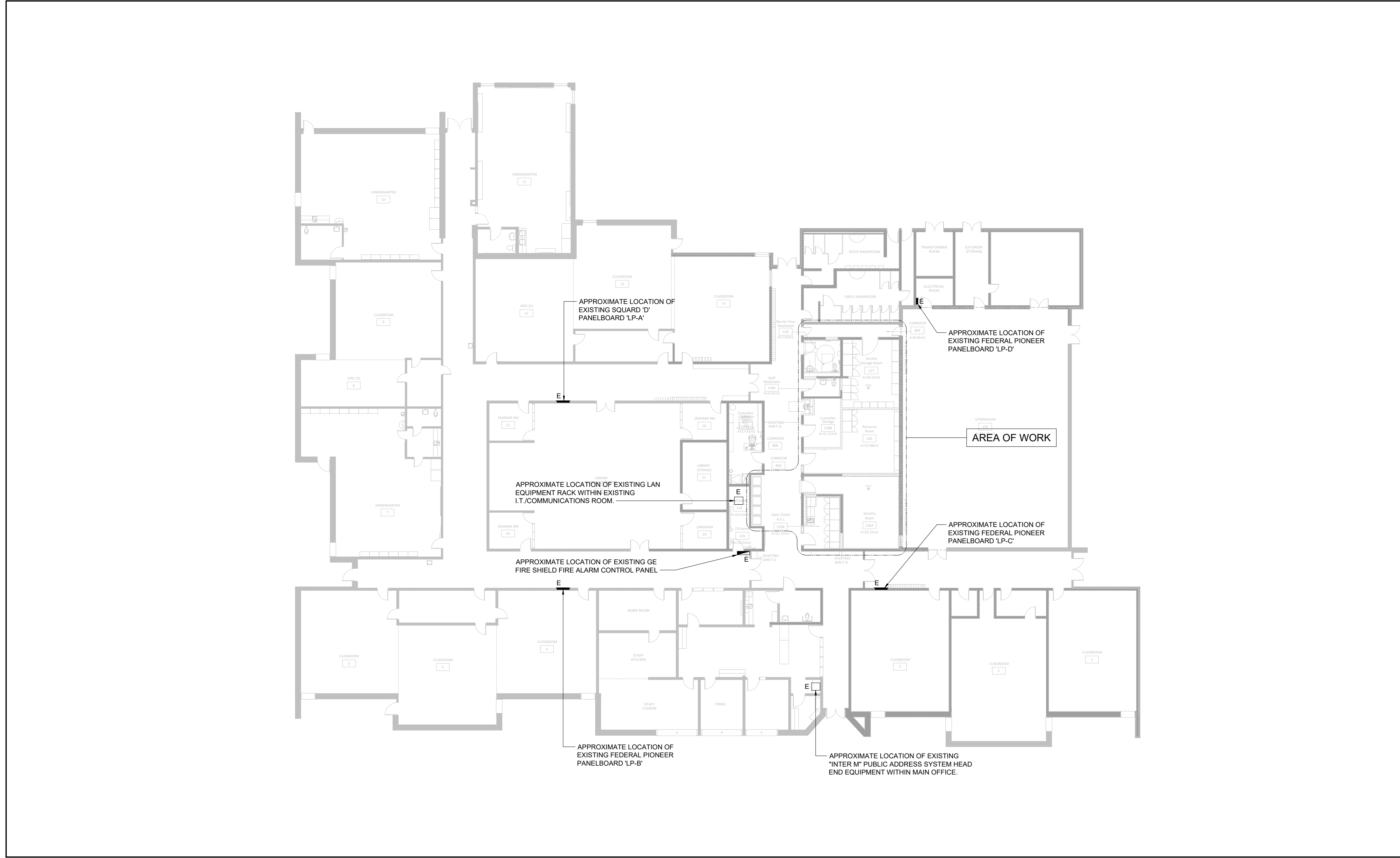
ward99 project number  
**23016 - WRDSB PIONEER PARK**

**QUASAR CONSULTING GROUP**

250 ROWNTREE DAIRY RD. WOODBRIDGE, ON  
 TEL: 905-607-0900  
 WEB: WWW.QUASARCG.COM

QUASAR PROJECT No.:  
**ED-20-312**

**M501**



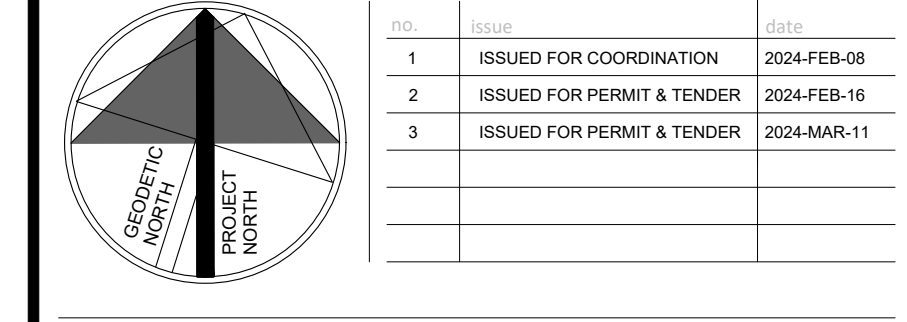
1 GROUND FLOOR KEY PLAN - ELECTRICAL  
E001 / SCALE: 1:200

| ELECTRICAL LEGEND   |   |
|---|---|
| SYMBOL  | DESCRIPTION   |
| LINE TYPES  |   |
| ---   | NEW WORK  |
| - - - - -   | WORK TO BE DEMOLISHED, OR REMOVED   |
| ---   | EXISTING MATERIAL/EQUIPMENT/SERVICES TO REMAIN  |
| ABBREVIATIONS   |   |
| E   | EXISTING TO REMAIN  |
| R   | EXISTING TO BE DEMOLISHED/REMOVED   |
| ER  | EXISTING TO BE REMAIN AND REPLACED WITH NEW   |
| RR  | REMOVE AND REINSTALL IN SAME POSITION   |
| RL  | REMOVE AND RELOCATE   |
| C   | CEILING MOUNTED CONNECTION  |
| W   | WALL MOUNTED CONNECTION   |
| F   | FLOOR MOUNTED CONNECTION  |
| ℓ   | CENTRE LINE   |
| AFF   | ABOVE FINISHED FLOOR  |
| AFG   | ABOVE FINISHED GRADE  |
| O/C   | OVER COUNTER  |
| U/C   | UNDER COUNTER   |
| U/C   | UNDER CABINET   |
| UF  | UNDER RAISED FLOOR  |
| OCT   | CIRCUIT   |
| CTE   | CONNECT TO EXISTING   |
| AFCI  | ARC FAULT CIRCUIT INTERRUPTER   |
| GFCI  | GROUND FAULT CIRCUIT INTERRUPTER  |
| GFI   | GROUND FAULT INTERRUPTER  |
| IG  | ISOLATED GROUND   |
| TL  | THIST LOCK  |
| TR  | TAMPER RESISTANT  |
| WG  | WIRE GUARD  |
| WP  | WEATHER PROOF   |
| RI  | ROUGH IN ONLY   |
| NC  | NOT IN CONTRACT   |
| SM  | SIMILAR TO  |
| TYP.  | TYPICAL   |
| ABBREVIATIONS - CODES AND STANDARDS                                     |   |
| OBC   | ONTARIO BUILDING CODE   |
| OESC  | ONTARIO ELECTRICAL SAFETY CODE  |
| ANNOTATIONS   |   |
| ROOM NUMBER   |   |
| CL  | CLOSET  |
| WR  | WASHROOM  |
| FIRE PROTECTION   |   |
| FE  | FIRE EXTINGUISHER   |
| SPK   | SPRINKLER HEAD  |
| FHC   | STANDPIPE FIRE HOSE CABINET   |
| HVAC  |   |
| ⊙   | THERMOSTAT OR TEMPERATURE SENSOR  |
| BBH   | ELECTRIC BASEBOARD HEATER (BBH)   |
| FFH   | FORCED FLOW HEATER  |
| ERV   | ENERGY RECOVERY VENTILATOR  |
| HRU   | HEAT RECOVERY UNIT  |
| MUA   | MAKE-UP AIR UNIT  |
| CONDUIT AND BOXES   |   |
| —○—   | CONDUIT WITH END BUSHING  |
| —○  | CONDUIT UP  |
| —○—   | CONDUIT DOWN  |
| ⊠   | JUNCTION BOX  |
| ⊠   | PULL BOX  |
| CONNECTIONS TO EQUIPMENT  |   |
| DW  | DISHWASHER  |
| FR  | FRIDGE  |
| MW  | MICROWAVE   |
| HD  | HAND DRYER, ALLOW UP TO 208V/1PH/20A  |
| PSC   | PLUMBING SENSOR CONTROL (TOUCHLESS FAUCETS)   |
| PTP   | PLUMBING TRAP PRIMER  |
| ⊙   | 1-PHASE DIRECT CONNECTION OUTLET AS NOTED.  |
| ⊙   | 3-PHASE DIRECT CONNECTION OUTLET AS NOTED.  |
| W   | ADJACENT TO 3-PHASE DIRECT CONNECTION, DENOTES WALL SYSTEM FURNITURE FEED FOR POWER AND COMMUNICATIONS.                             |
| ⊙   | SINGLE PHASE MOTOR, HP (KW) AS NOTED.   |
| ⊙   | THREE PHASE MOTOR, HP (KW) AS NOTED.  |
| ⊙   | CLOCK   |
| LIGHTING CONTROLS   |   |
| REFER TO SPECIFICATIONS AND RESPECTIVE SCHEDULES FOR EXACT REQUIREMENTS |   |
| ⊞   | SWITCH OR OTHER USER INTERFACE DEVICE AS DESCRIBED ON LIGHTING CONTROLS SCHEDULE.   |
| DM  | ADJACENT TO SWITCH, DENOTES DIMMING SWITCH.   |
| OCT   | ADJACENT TO SWITCH, DENOTES COLOUR TEMPERATURE ADJUSTABLE SWITCH.   |
| K   | ADJACENT TO SWITCH, DENOTES KEY SWITCH.   |
| M   | ADJACENT TO SWITCH, DENOTES MASTER CONTROL FOR ALL LUMINAIRES IN A ROOM OR SPACE, OR AS NOTED.                                      |
| PP  | POWER PACK  |
| T   | TIMER SWITCH  |
| ⊞   | CEILING MOUNTED OCCUPANCY SENSOR, PIR DENOTES PASSIVE INFRARED, UT DENOTES ULTRASONIC (OR MICROPHONIC), DT DENOTES DUAL TECHNOLOGY. |
| ⊞   | WALL MOUNTED OCCUPANCY SENSOR.  |
| ⊞   | WALL MOUNTED NETWORKED OCCUPANCY SENSOR.  |
| ⊞   | LINE VOLTAGE LIGHTING CONTROL POWER PACK  |
| ⊞   | DIGITAL LIGHTING CONTROLS ROOM CONTROLLER   |
| DISTRIBUTION EQUIPMENT  |   |
| ■   | SURFACE MOUNTED LIGHTING AND RECEPTACLE PANELBOARD  |
| ■   | RECESSED RECEPTACLE PANELBOARD  |
| ⊞   | DISCONNECT SWITCH   |

| Sheet Number | Sheet Title                                |
|--------------|--|
| E001         | ELECTRICAL LEGEND, SHEET LIST & KEY PLANS  |
| E101         | GROUND FLOOR DEMOLITION PLANS - ELECTRICAL |
| E201         | GROUND FLOOR NEW WORK PLANS - ELECTRICAL   |
| E202         | GROUND FLOOR FIRE ALARM PLAN               |
| E301         | ELECTRICAL SCHEDULES                       |
| E302         | ELECTRICAL DETAIL SHEET No. 1              |
| E303         | ELECTRICAL DETAIL SHEET No. 2              |

| ELECTRICAL LEGEND  |  |
|--|--|
| SYMBOL   | DESCRIPTION  |
| POWER RECEPTACLES AND BOXES  |  |
| ⊞  | 120V U-GROUND DUPLEX RECEPTACLE  |
| ⊞  | 120V U-GROUND QUAD RECEPTACLE  |
| ⊞  | STOVE RECEPTACLE   |
| ⊞  | DRYER RECEPTACLE   |
| ⊞  | 120V U-GROUND DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP OR AS INSTRUCTED ON SITE.  |
| ⊞  | SPLIT RECEPTACLE   |
| LIGHTING FIXTURES  |  |
| SYMBOLS IN ACCORDANCE WITH IES DC-3-00 WHERE NOT DETAILED OTHERWISE REFER TO LIGHTING FIXTURE SCHEDULE FOR FURTHER DETAILS AND EXACT FIXTURE REQUIREMENTS. |  |
| ⊞  | SURFACE MOUNTED LINEAR LUMINAIRE   |
| ⊞  | RECESSED MOUNTED LUMINAIRE   |
| ⊞  | RECESSED DOWNLIGHT   |
| Z1, Z2, ETC.   | DENOTES ZONING/CIRCUITING ASSIGNMENTS FOR LUMINAIRES AND CONTROLS IN THE SAME SPACE.   |
| EMERGENCY LIGHTING   |  |
| REFER TO EMERGENCY LIGHTING FIXTURE SCHEDULE FOR EXACT FIXTURE REQUIREMENTS.   |  |
| ⊞  | CEILING OR WALL MOUNTED ILLUMINATED EXIT SIGN, SHADED AREA INDICATES ILLUMINATED FACE. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON PLANS. |
| ⊞  | EMERGENCY LIGHTING BATTERY UNIT.   |
| ⊞  | ONE AND TWO HEAD WALL MOUNTED EMERGENCY LIGHTING REMOTE UNITS.   |
| EM   | DENOTES "EMERGENCY"  |
| COMMUNICATIONS   |  |
| ⊞  | WALL MOUNTED DATA (D) OR VOICE (V) OUTLET. PROVIDE 1V AND 10 UNLESS NOTED OTHERWISE.   |
| ⊞  | WALL MOUNTED VOICE (TELEPHONE) OUTLET. PROVIDE 1V UNLESS NOTED OTHERWISE.  |
| ⊞  | WALL MOUNTED DATA OUTLET. PROVIDE 10 UNLESS NOTED OTHERWISE.   |
| ⊞  | WIRELESS ACCESS POINT (WIFI)   |
| ⊞  | PUBLIC ADDRESS SPEAKER, CEILING AND WALL MOUNTED, RESPECTIVELY.  |
| ⊞  | PUBLIC ADDRESS SYSTEM TELEPHONE HANSET   |
| ACCESS CONTROL   |  |
| ⊞  | CARD READER  |
| ⊞  | DOOR CONTACT   |
| ⊞  | ELECTRIC STRIKE  |
| ⊞  | MUSHROOM HEAD PUSH BUTTON FOR MAGLOCK RELEASE, OR OTHER PUSH BUTTON AS INDICATED.  |
| ⊞  | BARRIER FREE DOOR OPERATOR PUSH BUTTON   |
| INTRUSION DETECTION  |  |
| ⊞  | GLASS BREAK (GB)   |
| ⊞  | MOTION DETECTOR (MD)   |
| ⊞  | KEYPAD (KP)  |
| ⊞  | SOUNDER  |
| FIRE DETECTION AND ALARM   |  |
| FACP   | FIRE ALARM CONTROL PANEL   |
| FAAP   | FIRE ALARM ANNUNCIATOR PANEL   |
| FAPG   | FIRE ALARM PASSIVE GRAPHIC   |
| FAZ  | FIRE ALARM ZONE  |
| FSZ  | FIRE ALARM SUPERVISORY ZONE  |
| EOL  | END OF LINE DEVICE   |
| WG   | WIRE GUARD   |
| ⊞  | MANUAL PULL STATION (MPS)  |
| CG   | WHERE NOTED ADJACENT TO MANUAL PULL STATIONS, DENOTES PULL STATION C/W EXAM COVER.   |
| ⊞  | FIRE ALARM HORN  |
| ⊞  | FIRE ALARM HORN/STROBE, WALL MOUNTED.  |
| ⊞  | FIRE ALARM WALL MOUNTED STROBE LIGHT   |
| ⊞  | PHOTOELECTRIC SMOKE DETECTOR   |
| A  | ADJACENT TO SMOKE DETECTOR, INDICATES CAV AUXILIARY RELAY  |
| SA   | WHEN ADJACENT TO PHOTOELECTRIC SMOKE DETECTOR, INDICATES RESIDENTIAL SMOKE ALARM   |
| ⊞  | DUCT MOUNTED SMOKE DETECTOR  |
| ⊞  | END OF LINE (EOL) DEVICE ON ZONE INITIATION OR SIGNAL CIRCUITS   |
| IM   | ISOLATOR MODULE  |
| ⊞  | HEAT DETECTOR - FIXED TEMPERATURE  |
| ⊞  | MAGNETIC DOOR HOLDER AND RELEASING DEVICE (HOLD OPEN)  |
| FS   | FLOW SWITCH  |
| PS   | PRESSURE SWITCH  |
| SV   | SUPERVISED VALVE   |
| SINGLE LINE DIAGRAM  |  |
| ⊞  | CIRCUIT BREAKER  |
| ⊞  | DISCONNECT (UNFUSED)   |
| ⊞  | FUSE   |
| ⊞  | METER  |
| ⊞  | TRANSFORMER  |
| C  | CONTACTOR  |
| DP   | DISTRIBUTION PANELBOARD  |
| PP   | POWER PANELBOARD   |
| SPD  | SURGE PROTECTIVE DEVICE  |
| SWBD   | SWITCHBOARD  |
| TX   | TRANSFORMER  |
| DETAIL REFERENCES  |  |
| ⊞  | SHEET KEYNOTE  |
| ⊞  | REVISION NUMBER  |
| THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.           |  |

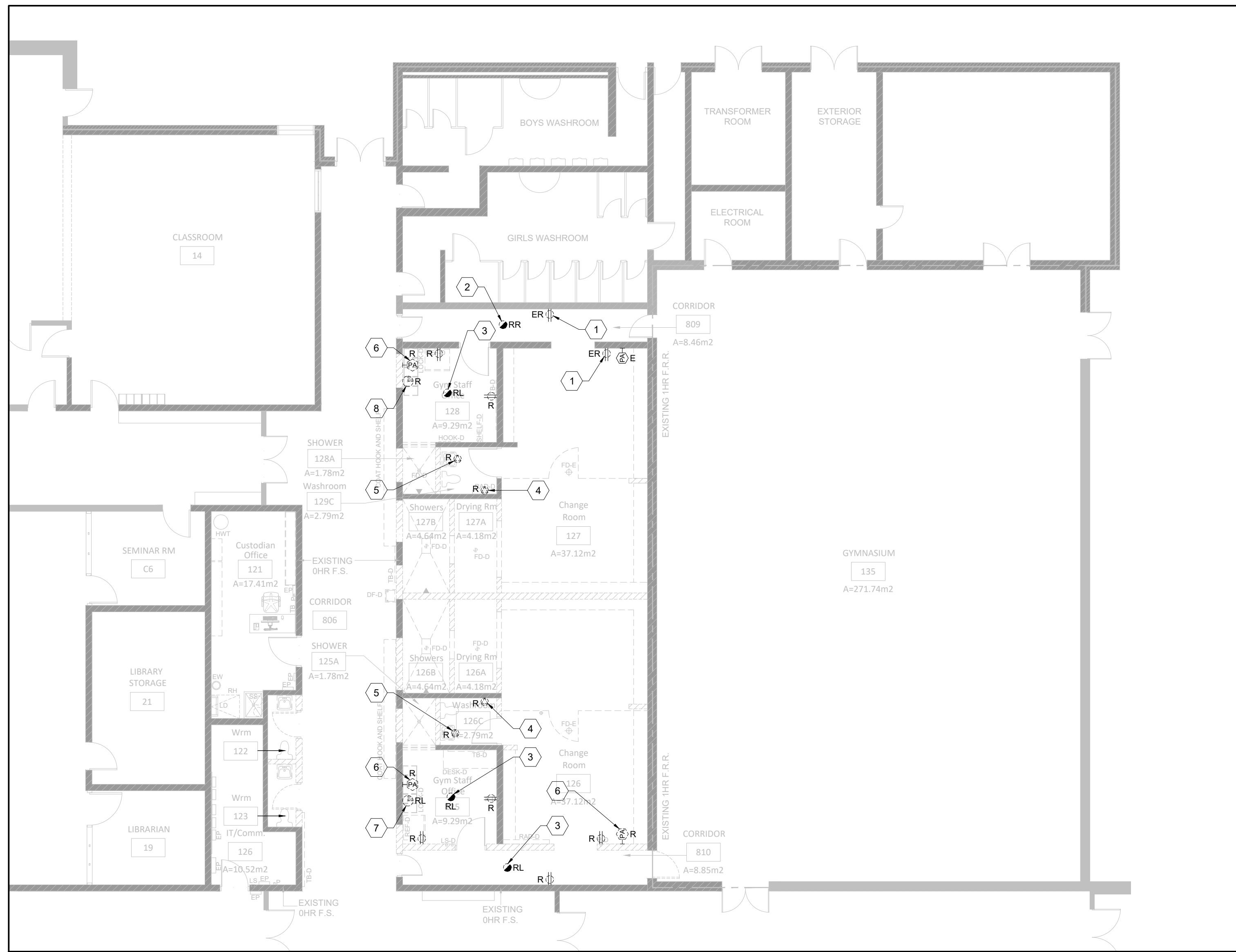
| NO. | DATE        | DESCRIPTION                |
|-----|-------------|----------------------------|
| 1   | 2024-FEB-08 | ISSUED FOR COORDINATION    |
| 2   | 2024-FEB-16 | ISSUED FOR PERMIT & TENDER |
| 3   | 2024-MAR-11 | ISSUED FOR PERMIT & TENDER |



project  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
WATERLOO REGION DISTRICT SCHOOL BOARD  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
drawing  
ELECTRICAL LEGEND, SHEET LIST & KEY PLANS  
drawing scale  
AS SHOWN  
ward99 project number  
23016 - WRDSB PIONEER PARK  
drawing no.

250 ROWNTREE DAIRY RD. WOODBRIDGE, ON  
TEL: 905-607-0900  
WWW.QUASARCG.COM  
QUASAR PROJECT No.:  
ED-20-312

# E001



**2 PARTIAL GROUND FLOOR DEMOLITION PLAN - POWER & SYSTEMS**  
**E101 SCALE: 1:100**



**1 PARTIAL GROUND FLOOR DEMOLITION PLAN - LIGHTING**  
**E101 SCALE: 1:100**

**PROJECT GENERAL NOTES**

1. THIS DRAWING IS ISSUED TO SHOW SCOPE OF WORK ONLY. THE CONTRACTOR MUST PERFORM A SITE INSPECTION (INCLUDING CEILING SPACES) DURING THE TENDER PERIOD AND ENSURE THAT ALL WORK THAT IS VISIBLE IS INCLUDED IN THE DEMOLITION SCOPE OF WORK. ALL EXISTING SERVICES THAT PASS THROUGH THE RENOVATION AREA (UNLESS OBSOLETE) ARE TO BE MAINTAINED AND/OR RELOCATED TO SUIT THE SCOPE OF WORK.
2. FOR ALL DEVICES DESIGNATED 'R' ON THE FLOOR PLANS, BE RESPONSIBLE TO REMOVE EXISTING DEVICE AND ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. JUNCTION BOX OR PANELBOARD, WHERE CIRCUIT WIRING EXTENDS BACK TO PANELBOARD, REMOVE EXISTING BREAKERS AS WELL.
3. FOR ALL EXISTING DATA OUTLETS NOTED ON THE DRAWINGS TO BE REMOVED, BE RESPONSIBLE TO REWIRE EXISTING CABLING BACK TO EXISTING LAN EQUIPMENT RACK IN THE BASEMENT LEVEL IN ITS ENTIRETY.

**DEMOLITION KEY NOTES: LIGHTING**

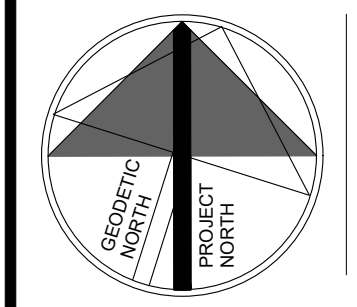
1. EXISTING LUMINAIRES WITHIN THIS SPACE TO BE REMOVED IN THEIR ENTIRETY. BE RESPONSIBLE TO RETAIN EXISTING BRANCH CIRCUIT WIRING, MODIFY AS REQUIRED AND RECONNECT TO NEW LUMINAIRE ARRANGEMENT AND LIGHTING CONTROLS AS SHOWN ON NEW WORK DRAWING.
2. EXISTING LUMINAIRES AND LIGHTING CONTROLS WITHIN THIS SPACE TO BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL ASSOCIATED WIRING AND CONDUIT.

**DEMOLITION KEY NOTES: POWER & SYSTEMS**

1. EXISTING RECEPTACLE TO BE REMOVED AND REPLACED WITH NEW IN SAME LOCATION. BE RESPONSIBLE TO RETAIN EXISTING BRANCH CIRCUIT WIRING, MODIFY AS REQUIRED AND RECONNECT TO NEW DEVICE COMPLETE. NEW RECEPTACLE SHALL BE WHITE PER SPECIFICATION. ALSO INCLUDE FOR REPLACEMENT OF EXISTING FACEPLATE WITH NEW STAINLESS STEEL FACEPLATE.
2. EXISTING CEILING MOUNTED FIRE ALARM SMOKE DETECTOR TO BE REMOVED AND REINSTALLED IN SAME LOCATION TO ACCOMMODATE REPLACEMENT OF EXISTING CEILING. BE RESPONSIBLE TO STORE EXISTING DEVICE ON SITE DURING CONSTRUCTION, CLEAN AND REINSTALL ONCE NEW CEILING HAS BEEN INSTALLED. TEST AND VERIFY DEVICE UPON COMPLETION OF WORK.
3. EXISTING CEILING MOUNTED FIRE ALARM SMOKE OR HEAT DETECTOR TO BE REMOVED AND RELOCATED TO ACCOMMODATE THE SCOPE OF WORK. BE RESPONSIBLE TO MODIFY EXISTING SYSTEM WIRING AS REQUIRED TO ACCOMMODATE NEW LOCATION OF DEVICE AS SHOWN ON NEW WORK PLANS. BE RESPONSIBLE TO INSTALL DEVICE TO NEW CEILING AND TEST AND VERIFY DEVICE UPON COMPLETION OF WORK.
4. CONNECTION TO EXISTING BASEBOARD HEATER TO BE REMOVED IN ITS ENTIRETY. BE RESPONSIBLE TO REMOVE ALL EXISTING CABLING AND CONDUIT BACK TO SOURCE. EXISTING BREAKER WITHIN EXISTING PANEL LP-07 TO BE REMOVED AS WELL.
5. CONNECTION TO EXISTING WASHROOM EXHAUST FAN TO BE REMOVED IN ITS ENTIRETY. BE RESPONSIBLE TO MAINTAIN THE DOWNSTREAM CONTINUITY OF ANY OTHER EXISTING DEVICES CONNECTED TO THE SAME BRANCH CIRCUIT THAT ARE TO REMAIN AS INSTALLED.
6. EXISTING WALL MOUNTED PUBLIC ADDRESS SYSTEM SPEAKER TO BE REMOVED IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED SYSTEM WIRING AND CONDUIT BACK TO SOURCE. BE RESPONSIBLE TO MAINTAIN THE CONTINUITY OF ANY OTHER DEVICES WHICH MAY BE CONNECTED TO THE SAME PAGING ZONE.
7. EXISTING WALL MOUNTED CLOCK TO BE RELOCATED TO ACCOMMODATE THE SCOPE OF WORK. BE RESPONSIBLE TO MODIFY EXISTING SYSTEM WIRING AS REQUIRED TO SUIT NEW LOCATION OF DEVICE AS SHOWN ON NEW WORK DRAWINGS. BE RESPONSIBLE TO TEST DEVICE TO ENSURE OPERATION UPON COMPLETION OF WORK.
8. EXISTING WALL MOUNTED CLOCK TO BE REMOVED IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED SYSTEM WIRING AND CONDUIT BACK TO SOURCE. BE RESPONSIBLE TO MAINTAIN THE CONTINUITY OF ANY OTHER DEVICES WHICH MAY BE CONNECTED TO THE SAME COMMUNICATION CIRCUIT.

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| REV | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |



PROJECT  
**PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS**  
**WATERLOO REGION DISTRICT SCHOOL BOARD**  
 55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2

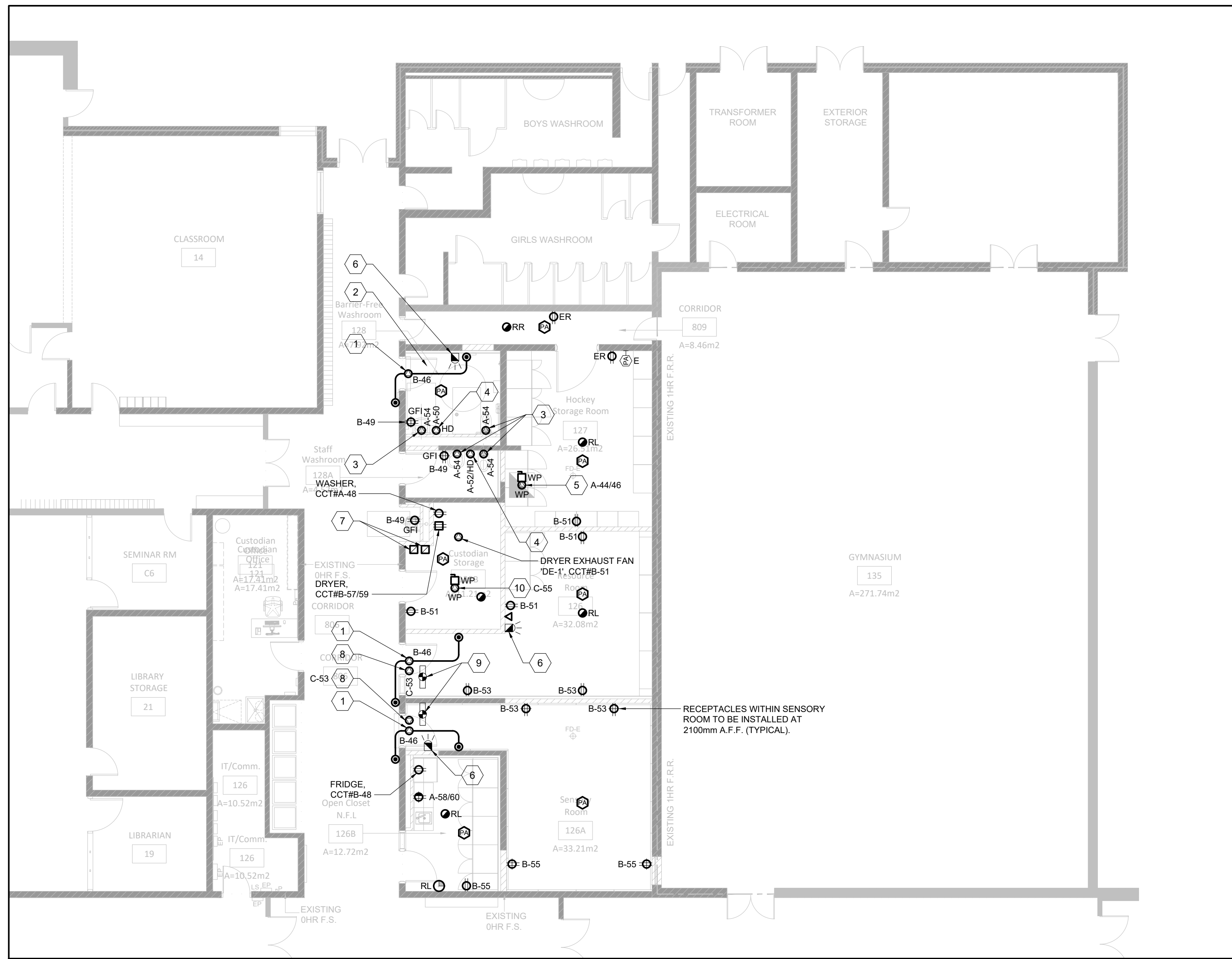
DRAWING  
**GROUND FLOOR DEMOLITION PLANS - ELECTRICAL**

DRAWING SCALE  
**AS SHOWN**

WARD99 PROJECT NUMBER  
**23016 - WRDSB PIONEER PARK**



**E101**



2 PARTIAL GROUND FLOOR NEW WORK PLAN - POWER & SYSTEMS  
E201 SCALE: 1:100



1 PARTIAL GROUND FLOOR NEW WORK PLAN - LIGHTING  
E201 SCALE: 1:100

**PROJECT GENERAL NOTES**

1. LOCATION OF DEVICES AND LUMINAIRES ARE NOTED FOR DIAGRAMMATIC PURPOSES. CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS AND SITE CONDITIONS FOR EXACT DEVICE AND LUMINAIRE PLACEMENT.
2. BE RESPONSIBLE TO COORDINATE ALL FINAL EQUIPMENT LOCATIONS AND ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR ON SITE.
3. BE RESPONSIBLE TO UPDATE ALL EXISTING PANELBOARD DIRECTORIES TO SUIT NEW DEVICE AND LIGHTING CONNECTIONS. PROVIDE NEW DIRECTORIES TO REPLACE EXISTING.
4. ALL NEW BRANCH FEEDERS TO NEW WIRING DEVICES SHALL BE 2#10 + GROUND IN 21mm CONDUIT UNLESS NOTED OTHERWISE.
5. FOR ALL NEW PUBLIC ADDRESS, TELEPHONE AND DATA CABLING DEVICES NOTED ON THIS DRAWING, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE FOLLOWING:  
a) DEVICE BACKBOX, SINGLE GANG UNLESS NOTED OTHERWISE.  
b) 21mm (1") CONDUIT (UNLESS NOTED OTHERWISE), COMPLETE WITH PULL STRING TO EXTEND FROM DEVICE TO CORRIDOR CEILING SPACE. INCLUDE FOR REQUIRED CORE DRILLING OF EXISTING CORRIDOR WALL AND FIRESTOPPING OF NEW PENETRATION ONCE CONDUIT WORK IS COMPLETE. ALL CABLING AND DEVICES SHALL BE PROVIDED BY A SCHOOL BOARD PREFERRED VENDOR UNDER A PRIME COST ALLOWANCE CARRIED IN DIVISION 1 OF THE CONTRACT.
6. DEVICES SHOWN ON NEW WALL CONSTRUCTION SHALL BE INSTALLED FLUSH MOUNTED WITH CONCEALED CONDUITS. DEVICES SHOWN ON EXISTING WALL CONSTRUCTION SHALL BE INSTALLED SURFACE MOUNTED ON FS TYPE BACK BOXES WITH SURFACE RACEWAY (LEGRAND WIREMOLD 400 SERIES OR EQUIVALENT - WHITE), FROM DEVICE UP TO CEILING SPACE. CONDUIT SHALL BE PROVIDED ABOVE CEILING SPACE IN ALL LOCATIONS.

**NEW WORK KEY NOTES**

**LIGHTING:**

1. PROVIDE NEW BATTERY UNIT BU-4 AND ASSOCIATED RECEPTACLE AND CONNECT TO BRANCH CIRCUIT INDICATED. BATTERY UNIT AND RECEPTACLE TO BE INSTALLED 300mm BELOW FINISHED CEILING.
2. NEW LUMINAIRE AND LIGHTING CONTROLS TO BE CONNECTED INTO EXISTING LIGHTING CIRCUIT SERVING THIS ROOM. MODIFY EXISTING BRANCH CIRCUIT AS REQUIRED TO ACCOMMODATE NEW LIGHTING AND CONTROLS AND CONNECT COMPLETE.
3. NEW ROOM CONTROLS OR POWER PACKS TO BE INSTALLED WITHIN CEILING SPACE OF ROOM. CONFIRM EXACT LOCATION ON SITE PRIOR TO INSTALLATION.
4. NEW LUMINAIRES TO BE CONNECTED INTO EXISTING LIGHTING BRANCH CIRCUIT AND EXISTING LIGHT SWITCH WITHIN THIS AREA/CORRIDOR.

**NEW WORK KEY NOTES**

**POWER & SYSTEMS:**

1. PROVIDE CONNECTION TO NEW POWER DOOR OPERATOR AT DOOR HEAD. EXTEND 2#10 + GROUND IN 21mm CONDUIT FROM OPERATOR TO BREAKER IN EXISTING PANEL 'LP-X' AND CONNECT COMPLETE. INCLUDE FOR REQUIRED LINE AND LOAD CONNECTIONS TO ASSOCIATED ACTUATORS.
2. REFER TO UNIVERSAL WASHROOM DETAIL ON DRAWING #E302 FOR EXACT REQUIREMENTS AND EQUIPMENT REQUIRED WITHIN THIS SPACE. REFER TO ARCHITECTURAL DETAILS AND INTERIOR ELEVATIONS FOR EXACT PLACEMENT OF DEVICES AND EQUIPMENT.
3. CONNECTION TO ELECTRONIC SENSOR OPERATED FAUCET OR WATER CLOSET. EXTEND 2#12 + GROUND IN 21mm CONDUIT FROM BRANCH CIRCUIT INDICATED TO SENSOR LOCATION AND CONNECT COMPLETE. COORDINATE EXACT LOCATION AND FINAL CONNECTIONS WITH PLUMBING CONTRACTOR ON SITE.
4. PROVIDE NEW HAND DRYER WITHIN WASHROOM AS INDICATED. FOR BRANCH CIRCUIT NOTED, EXTEND 2#10 + GROUND IN 21mm CONDUIT FROM ASSOCIATED BREAKER TO HAND DRYER LOCATION AND CONNECT COMPLETE. HAND DRYER SHALL BE DYSON AIRBLADE V, MODEL #S07174-01.
5. PROVIDE CONNECTION TO NEW ROOF MOUNTED EXHAUST FAN 'EF-2'. FOR BRANCH CIRCUIT INDICATED, EXTEND 2#10 + GROUND IN 21mm CONDUIT FROM ASSOCIATED BREAKER IN PANEL 'LP-A' TO EXHAUST FAN LOCATION AND CONNECT COMPLETE. INCLUDE FOR REQUIRED LINE AND LOAD CONNECTIONS TO ASSOCIATED MOTOR STARTER. COORDINATE EXACT LOCATION AND ALL FINAL CONNECTIONS TO FAN WITH MECHANICAL CONTRACTOR ON SITE.
6. PROVIDE NEW FIRE ALARM STROBE LIGHT WITHIN BARRIER-FREE WASHROOM. BE RESPONSIBLE TO MODIFY NEAREST EXISTING ALARM SIGNALING CIRCUIT AS REQUIRED TO ACCOMMODATE NEW STROBE. NEW DEVICE SHALL BE TESTED AND VERIFIED UPON COMPLETION OF WORK.
7. APPROXIMATE LOCATION OF LOOSE MOTOR STARTERS FOR NEW ROOF MOUNTED EXHAUST FANS 'EF-2' & 'EF-3'. STARTERS TO BE SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED UNDER THIS DIVISION. CONFIRM EXACT LOCATION WITH OWNER ON SITE, PRIOR TO INSTALLATION.
8. CONNECTION TO SMOKE/FIRE DAMPER. FOR BRANCH CIRCUIT INDICATED, EXTEND 2#10 + GROUND IN 21mm CONDUIT FROM ASSOCIATED BREAKER IN PANELBOARD TO DAMPER LOCATION AND CONNECT COMPLETE. COORDINATE EXACT LOCATION OF DAMPER AND FINAL CONNECTIONS WITH MECHANICAL CONTRACTOR ON SITE.
9. PROVIDE DUCT MOUNTED SMOKE DETECTOR WITHIN SUPPLY AND/OR EXHAUST AIR DUCTWORK WITHIN 1.5M DOWNSTREAM OF THE ASSOCIATED SMOKE DAMPER. DETECTOR SHALL BE INTERCONNECTED WITH DAMPER TO CLOSE DAMPER UPON ACTIVATION OF DETECTOR. ALSO REFER TO DETAIL ON DRAWING #E303. WHERE DUCT MOUNTED SMOKE DETECTORS ARE INSTALLED WITHIN MECHANICAL SHAPTS, PROVIDE REMOTE TESTING FEATURE TO BE INSTALLED ADJACENT TO WALL MOUNTED ACCESS PANEL.
10. PROVIDE CONNECTION TO NEW ROOF MOUNTED EXHAUST FAN 'EF-3'. FOR BRANCH CIRCUIT INDICATED, EXTEND 2#10 + GROUND IN 21mm CONDUIT FROM ASSOCIATED BREAKER IN PANEL 'LP-A' TO EXHAUST FAN LOCATION AND CONNECT COMPLETE. INCLUDE FOR REQUIRED LINE AND LOAD CONNECTIONS TO ASSOCIATED MOTOR STARTER. COORDINATE EXACT LOCATION AND ALL FINAL CONNECTIONS TO FAN WITH MECHANICAL CONTRACTOR ON SITE.

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| REV | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

| REV | DATE        | ISSUED FOR                 |
|-----|-------------|----------------------------|
| 1   | 2024-FEB-08 | ISSUED FOR COORDINATION    |
| 2   | 2024-FEB-16 | ISSUED FOR PERMIT & TENDER |
| 3   | 2024-MAR-11 | ISSUED FOR PERMIT & TENDER |

project  
PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS  
WATERLOO REGION DISTRICT SCHOOL BOARD  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
Drawing  
GROUND FLOOR NEW WORK PLANS - ELECTRICAL  
Drawing Scale  
AS SHOWN  
ward99 project number  
23016 - WRDSB PIONEER PARK

250 ROWNTREE DAIRY RD., WOODBRIDGE, ON  
TEL: 905-607-0900  
WWW.QUASARCG.COM

QUASAR CONSULTING GROUP

QUASAR PROJECT No.: ED-20-312

E201

**SHEET KEY NOTES**

- EXISTING FIRE ALARM CONTROL PANEL TO BE REMOVED AND REPLACED WITH NEW. REPLACEMENT OF PANEL IS DUE TO AND LACK OF AVAILABILITY OF SPARE PARTS FOR EXPANSION. ALL EXISTING ZONES TO BE RECONNECTED TO NEW PANEL COMPLETE. TEST AND VERIFY NEW PANEL UPON COMPLETION OF WORK. PROVIDE NEW FIRE ALARM CONTROL PANEL AS SPECIFIED AND RECONNECT ALL EXISTING AND NEW DEVICES AND/OR ZONES TO NEW PANEL. TESTING AND VERIFY ALL NEW DEVICES UPON COMPLETION OF WORK AND VERIFY EXISTING ZONES. NEW PANEL SHALL BE CONNECTED TO SAME POWER SUPPLY AS EXISTING. CONTRACTOR SHALL PROVIDE FIRE WATCH FOR ENTIRE BUILDING THROUGHOUT THE DURATION OF TIME DURING SWITCHOVER FROM EXISTING PANEL TO NEW.
- 

**GENERAL NOTES**

- ALL EXISTING ALARM INITIATING AND SIGNALLING DEVICES ARE TO REMAIN AS EXISTING. REPLACEMENT OF THE EXISTING DEVICES IS NOT TO BE INCLUDED IN THE SCOPE OF WORK FOR THIS PROJECT.
- EXISTING FIRE ALARM PASSIVE GRAPHIC TO REMAIN AS CURRENTLY INSTALLED ADJACENT TO EXISTING FIRE ALARM CONTROL PANEL. REPLACEMENT OF THIS EQUIPMENT IS NOT TO BE INCLUDED IN THE SCOPE OF WORK FOR THIS PROJECT.
- NEW AND RELOCATED FIRE ALARM INITIATING AND SIGNALLING DEVICES ARE SHOWN ON THIS PLAN FOR REFERENCE PURPOSES ONLY. SCOPE OF WORK REQUIREMENTS ARE NOTED ON DRAWING #E201.
- PROVIDE NEW FIRE ALARM SIGNALLING DEVICES AS INDICATED AND CONNECT INTO NEAREST EXISTING ALARM SIGNALLING ZONE. INCLUDE FOR PROVISION OF NEW BOOSTERS, ETC. AS REQUIRED TO CONNECT NEW DEVICES.

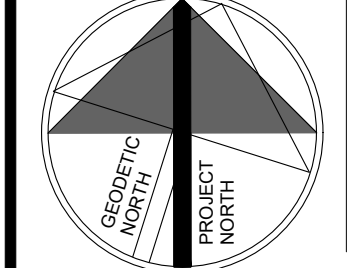
**PERMIT NOTES**

- PROJECT IS BEING PERFORMED AS A "VOLUNTARY REPLACEMENT" UNDER THE RETROFIT REQUIREMENTS DESCRIBED IN PART 9 - RETROFIT, SECTION 9.6 OF THE 2007 ONTARIO FIRE CODE.
- REPLACEMENT OF FIRE ALARM PANEL AS INDICATED IS BEING PERFORMED BASED ON THE REQUIREMENTS OF PART 11 - RENOVATION, REFER TO 2012 OBC, DIV A, 11.2.6.
- 2012 OBC DIV B, 11.3.1.1 (1) WHERE AN EXISTING BUILDING SYSTEM IS MATERIALLY ALTERED OR REPAIRED, THE PERFORMANCE LEVEL OF THE BUILDING AFTER THE MATERIAL ALTERATION OR REPAIR SHALL BE AT LEAST EQUAL TO THE PERFORMANCE LEVEL OF THE BUILDING PRIOR TO THE MATERIAL ALTERATION OR REPAIR.



NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| Rev. | Description | Date |
|------|-------------|------|
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |
|      |             |      |



PROJECT  
**PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS**  
 WATERLOO REGION DISTRICT SCHOOL BOARD  
 55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2  
 Drawing  
**GROUND FLOOR FIRE ALARM PLAN**  
 Drawing Scale  
**AS SHOWN**  
 Ward99 project number  
**23016 - WRDSB PIONEER PARK**

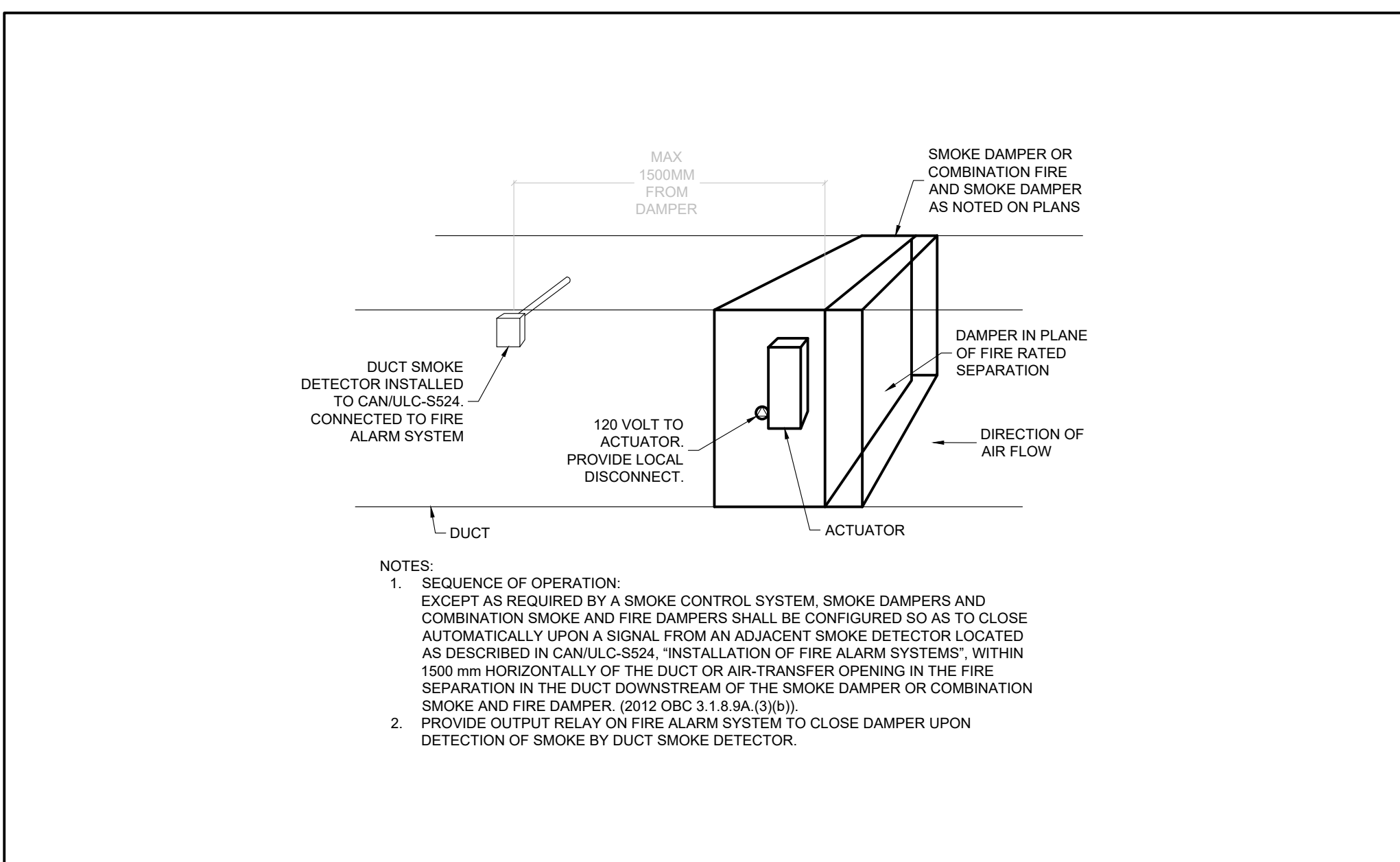
**QUASAR**  
 CONSULTING GROUP  
 250 ROWNTREE DAIRY RD., WOODBRIDGE, ON  
 TEL: 905-507-0900  
 WEB: WWW.QUASARCG.COM  
 QUASAR PROJECT No.:  
 ED-20-312

**E202**

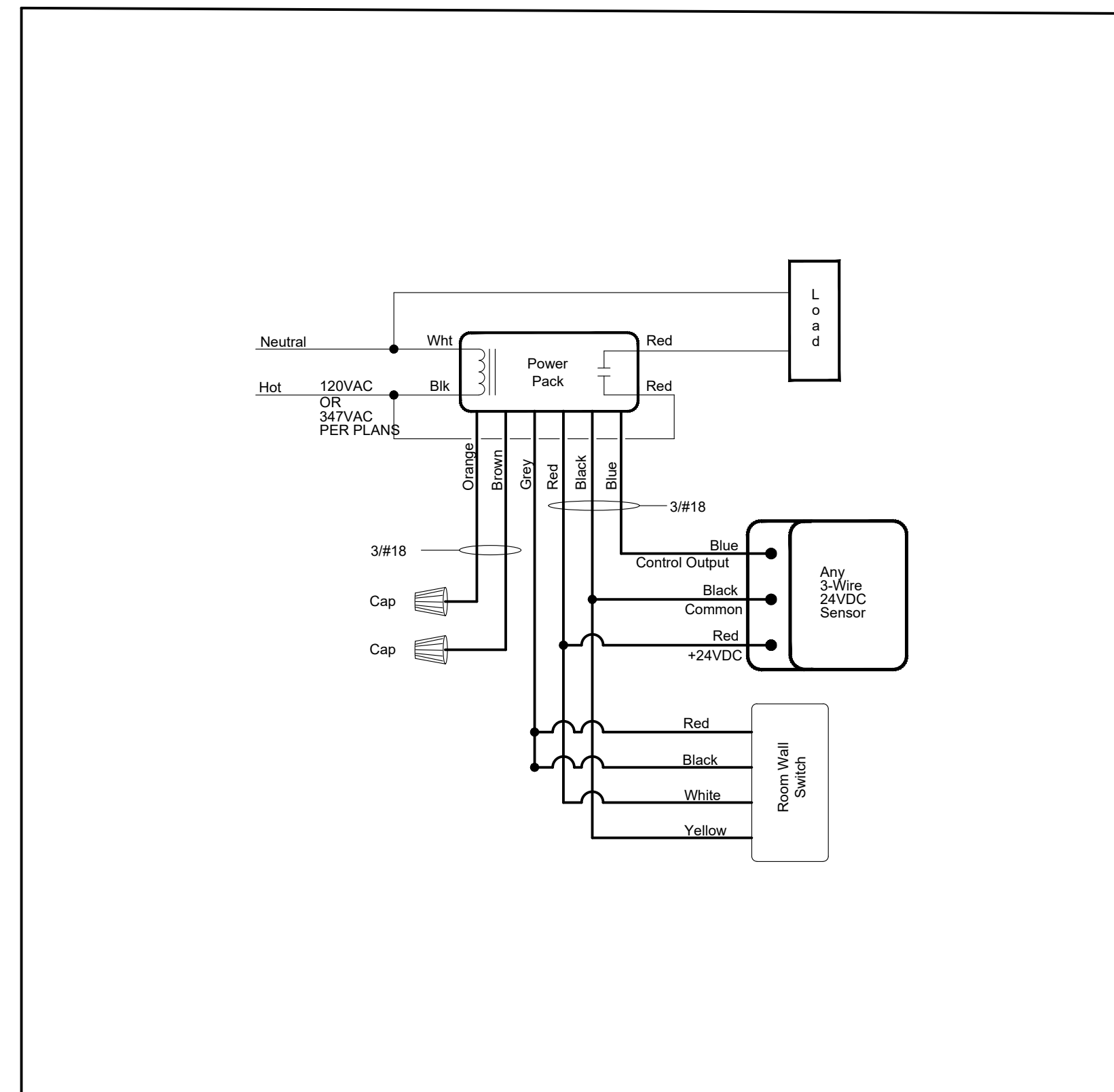




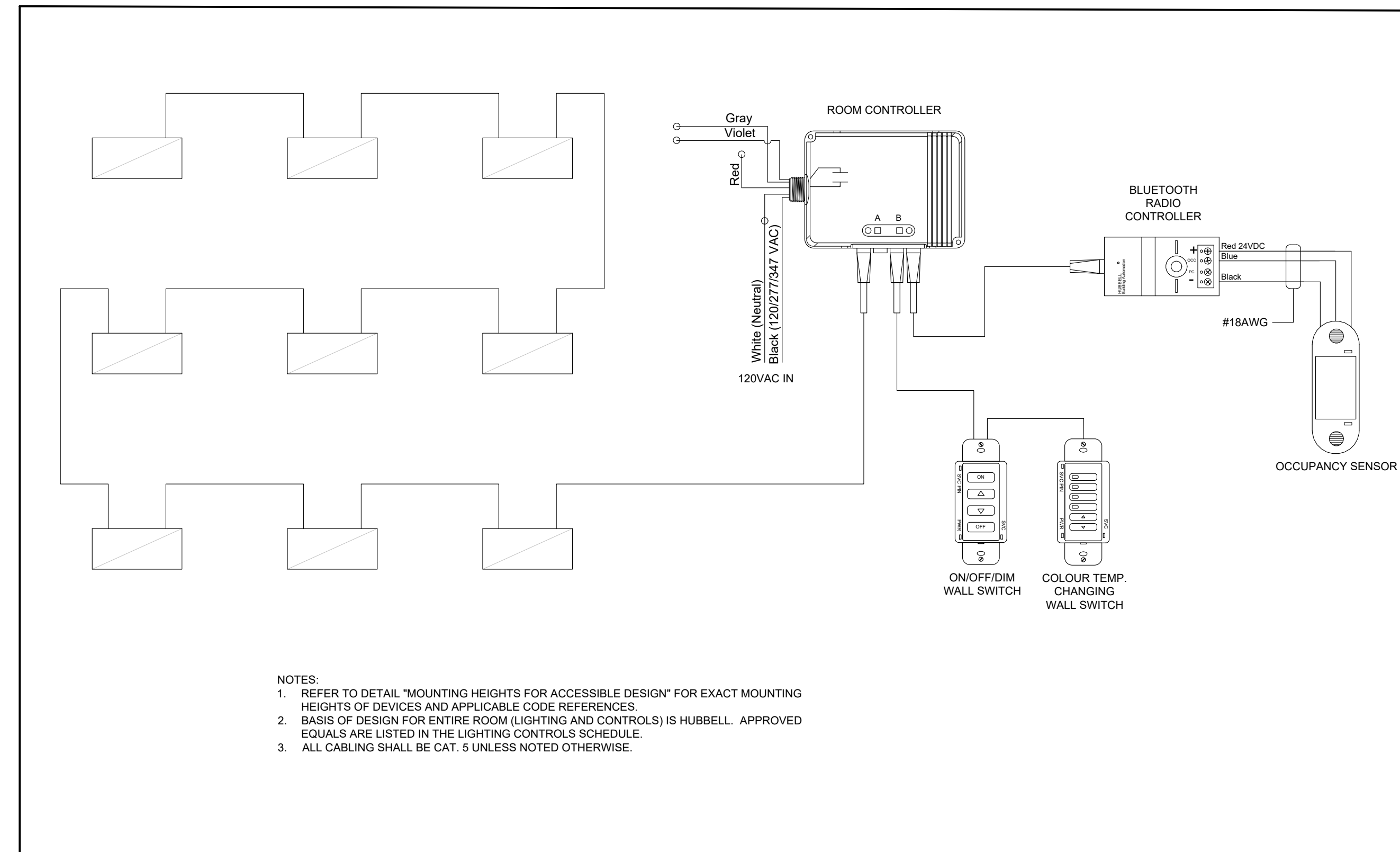




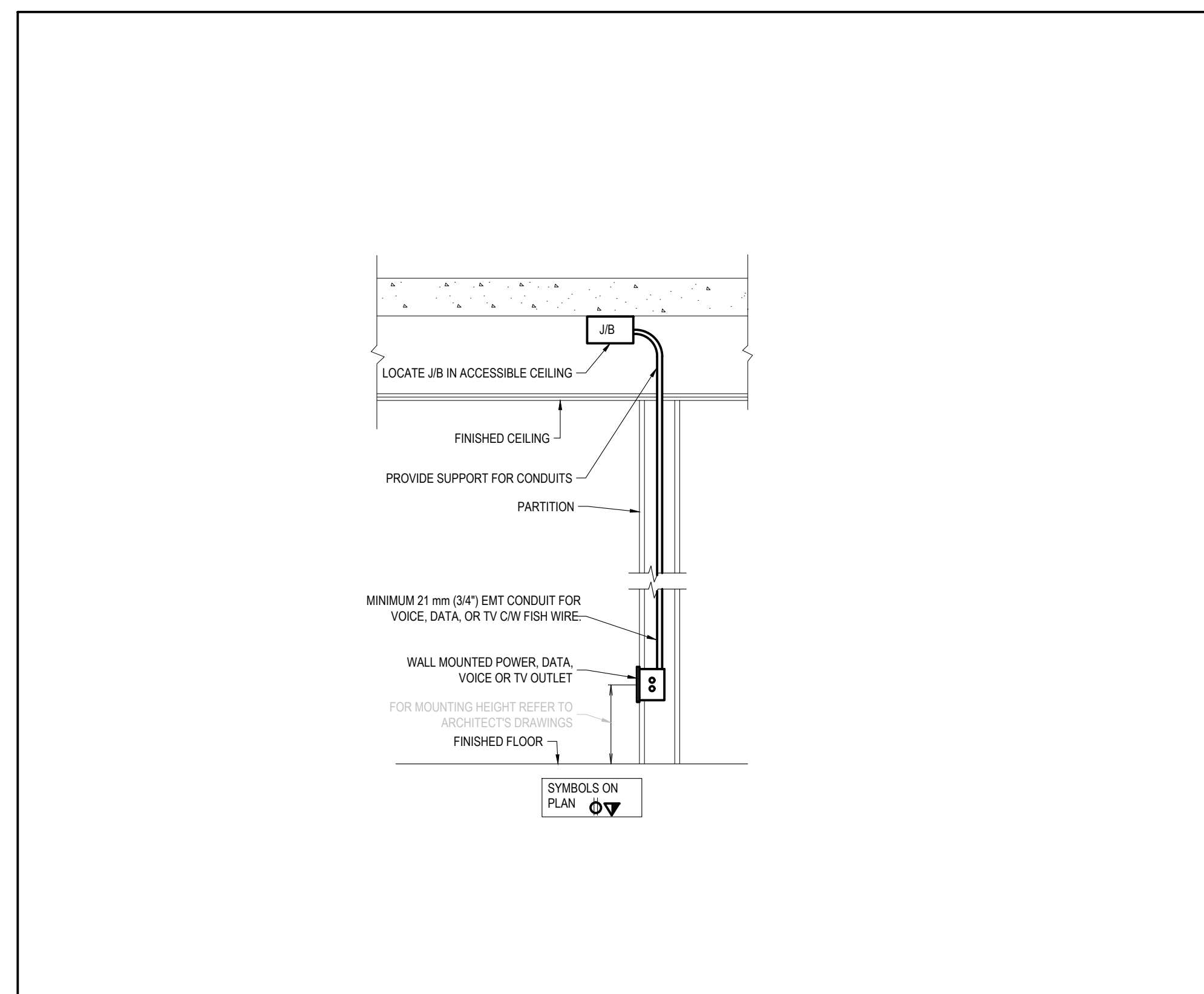
5 SMOKE DAMPER CONNECTION DETAIL  
SCALE: NOT TO SCALE



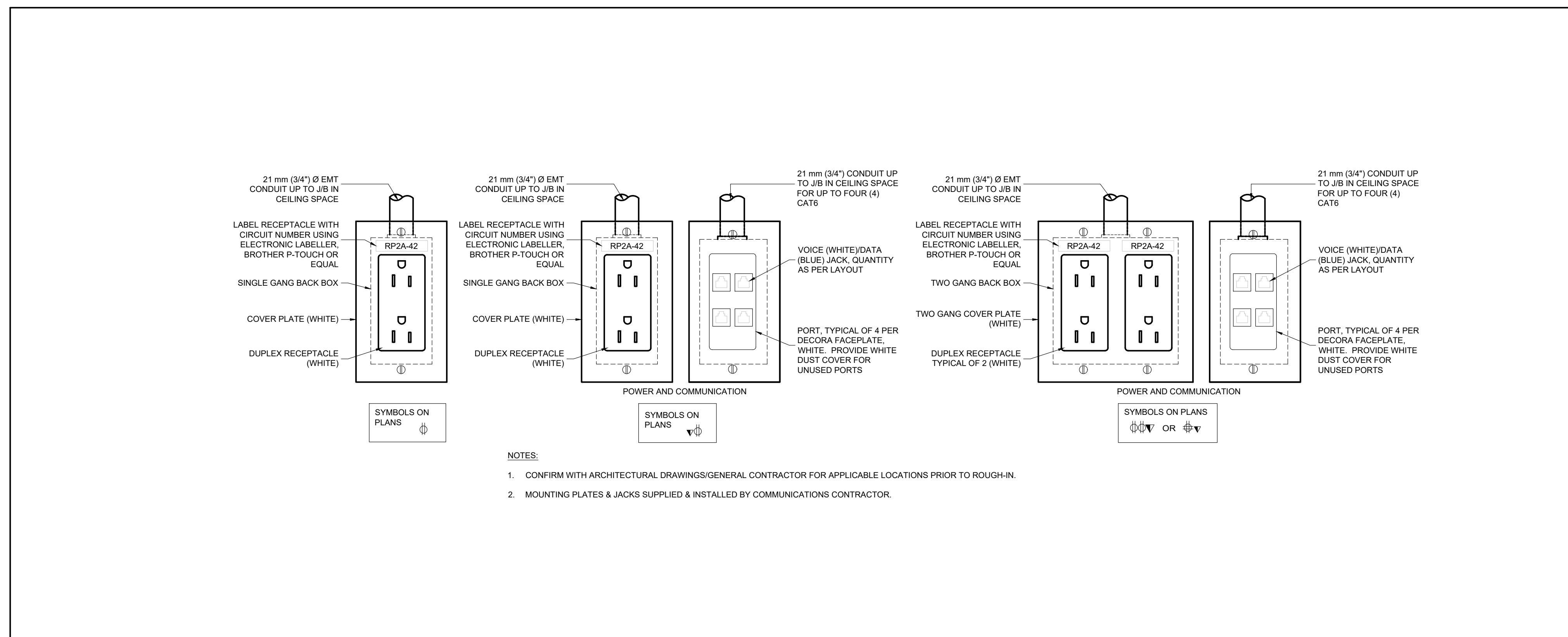
4 TYPICAL NON-DIMMING ROOM LIGHTING CONTROL DETAIL  
SCALE: NOT TO SCALE



3 SENSORY ROOM LIGHTING CONTROL SCHEMATIC  
SCALE: NOT TO SCALE



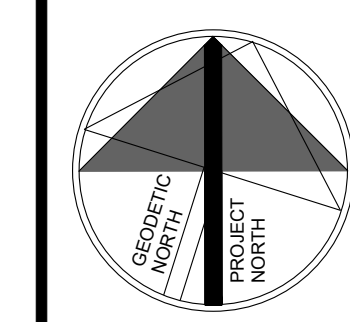
2 DETAIL OF WALL MOUNTED OUTLET BOX  
SCALE: NOT TO SCALE



1 DETAIL OF UNGANGED POWER AND COMMUNICATION DEVICES  
SCALE: NOT TO SCALE

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |



PROJECT: PIONEER PARK PUBLIC SCHOOL INTERIOR RENOVATIONS WATERLOO REGION DISTRICT SCHOOL BOARD  
55 UPPER CANADA DRIVE, KITCHENER, ON N2P 1G2

DRAWING: ELECTRICAL DETAIL SHEET NO. 2  
DRAWING SCALE: AS SHOWN  
WARD99 PROJECT NUMBER: 23016 - WRDSB PIONEER PARK

QUASAR CONSULTING GROUP  
250 ROWNTREE DAIRY RD. WOODBRIDGE, ON  
TEL: 905-507-0900  
WWW.QUASARCG.COM  
PROJECT NO.: ED-20-312

E303