

ALL DIMENSIONS SHOWN ON STRUCTURAL DRAWINGS ARE FOR REFERENCE PURPOSES ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

GENERAL NOTES

- THE DRAWINGS DO NOT INDICATE ELEMENTS THAT MAY BE NECESSARY FOR CONSTRUCTION SAFETY. THE CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY MEASURES PERTAINING TO THE PROJECT. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS ISSUED FOR CONSTRUCTION BY MALCOLM PINTO ENGINEERING LTD.
- THE STRUCTURE HAS BEEN DESIGNED FOR LOADS IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, LATEST ED.
- CONSTRUCTION SHALL CONFORM TO NBC, LATEST ED., AND THE LATEST EDITIONS OF APPLICABLE CSA AND SAFETY STANDARDS.
- CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING OF WALLS DURING CONSTRUCTION.
- ALL DRAWINGS AND RELATED DOCUMENTS AND DETAILS ARE THE COPYRIGHT OF MALCOLM PINTO ENGINEERING LIMITED AND CANNOT BE USED OR REPRINTED WITHOUT CONSENT IN WRITING FROM MALCOLM PINTO ENGINEERING LIMITED.

CONCRETE NOTES

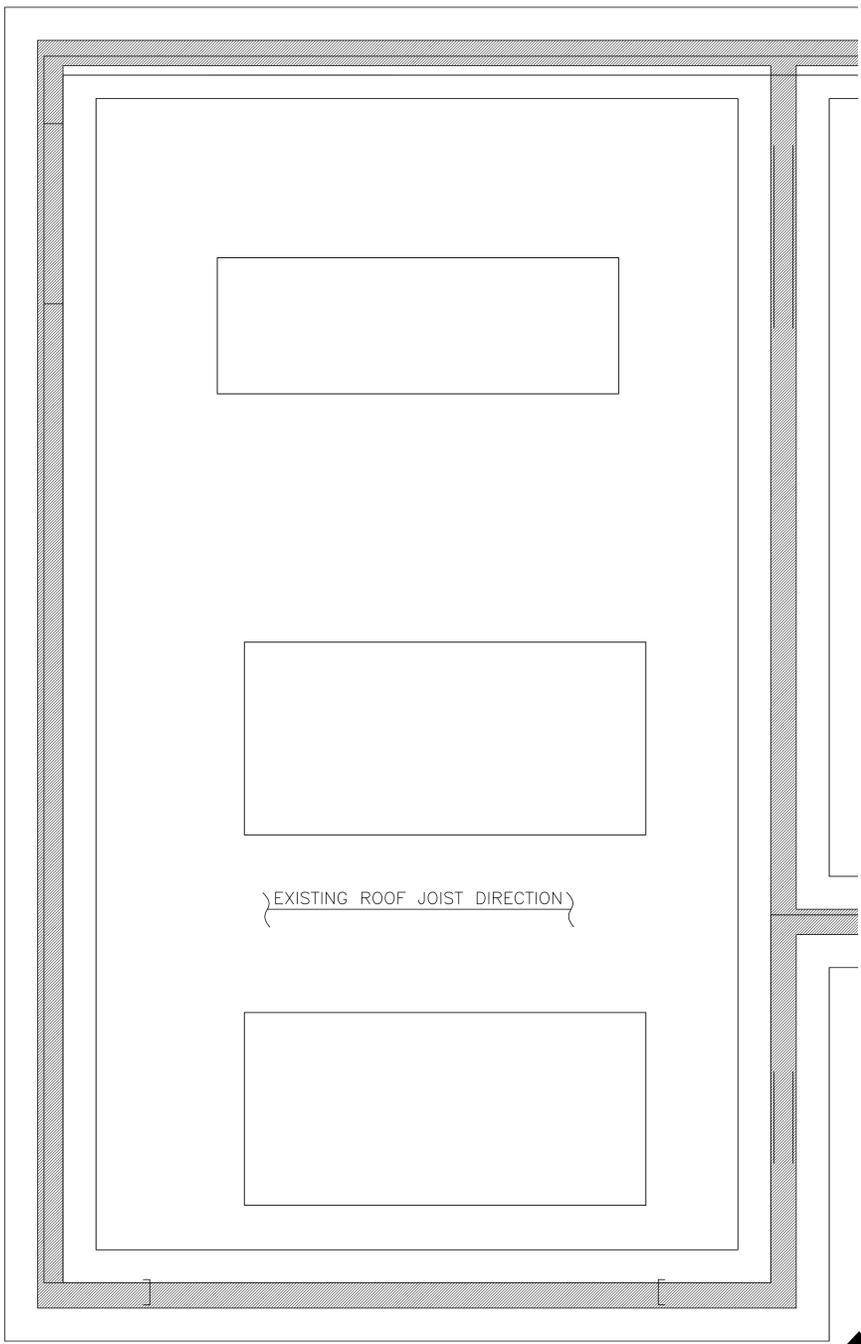
- ALL CONCRETE, CONCRETE MATERIALS, FORMS, PRACTICES, ETC. SHALL CONFORM TO CAN/CSA-A23.1-14.
- 28 DAY STRENGTH: 25 MPa
- SLUMP AT TIME AND POINT OF DISCHARGE:
 - ALL CONCRETE: 3"-4" (75mm - 100mm) OR AS PER CSA A23.1 & 2
- NOMINAL AGGREGATE SIZE: 3/4" (20mm)
- MAXIMUM WATER-CEMENT RATIO: 0.45 OR AS PER CSA A23.1 & 2
- CONCRETE PROTECTIVE COVERING FOR REINFORCING STEEL:
 - CAST AGAINST FILL: 75mm
 - EXPOSED TO EARTH OR WEATHER: 50mm
 - COLUMN VERTICALS: 50mm
 - BEAM REINFORCING: 35mm
 - SLABS, WALL INTERIOR FACE: 20mm
 - INTERIOR WALLS & SLABS: 20mm
- ALL REBAR SHALL HAVE MINIMUM YIELD STRENGTH OF 60 KSI AND SHALL CONFORM TO CAN/CSA G30.18-09.

STEEL NOTES

- ALL STRUCTURAL STEEL SHALL BE NEW STOCK AND SHALL CONFORM TO CSA G40.20-04/G40.21-13 GRADE 350W FOR ROLLED SECTIONS, 300W FOR PLATE. FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH CAN/CSA-S16-14. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH CSA W59-13 AND W53.3-08(2013) BY A FABRICATOR APPROVED UNDER CSA W47.1-09 DIV. 1 AND 2. FABRICATOR MUST SUBMIT SHOP DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF NOVA SCOTIA PRIOR TO COMMENCEMENT OF FABRICATION.
- THREADER RODS SHALL CONFORM TO CSA G40.20/G40.21, GRADE 300W.
- ALL STEEL TO BE HOT DIPPED GALVANIZED.

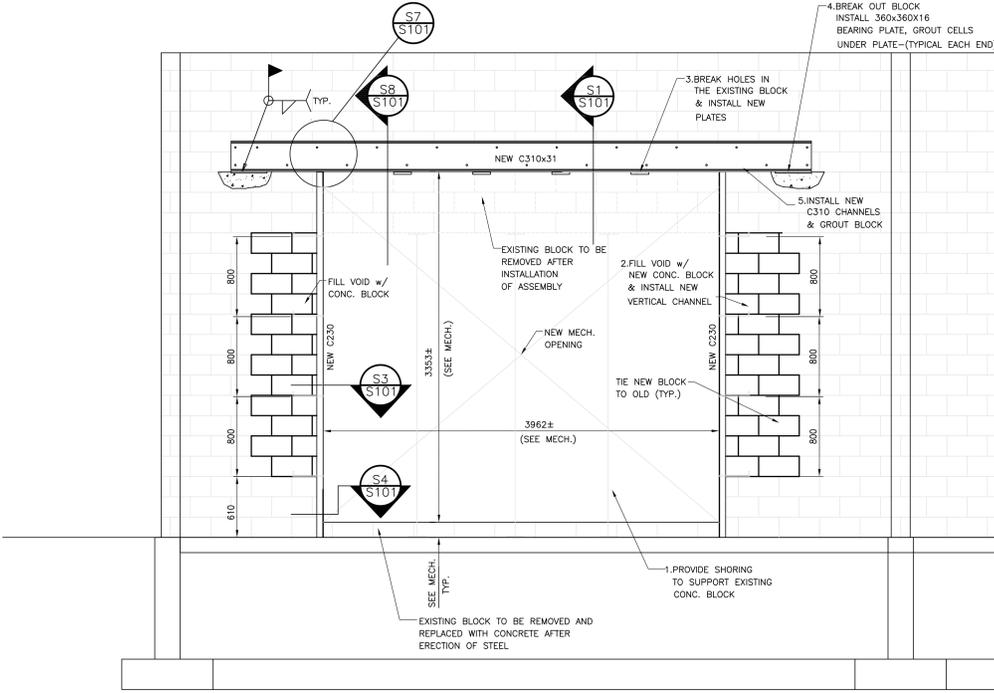
MASONRY NOTES

- ALL MASONRY MORTAR SHALL BE TYPE 'S' TO CSA A179-04(2014). ALL CONCRETE GROUT SHALL BE 4350 PSI TO CSA A179-04(2014).
- ALL REINFORCING SHALL HAVE A MINIMUM YIELD STRENGTH OF 60 ksi WITH A MINIMUM LAP LENGTH OF 37 BAR DIAMETERS OR 18" MINIMUM. ALL CONCRETE BLOCK WALLS SHALL BE REINFORCED WITH LADDER TYPE HORIZONTAL BLOCK REINFORCEMENT MINIMUM EVERY THIRD COURSE TO CAN-S304-04 WITH 3/16" DIA. LONGITUDINAL AND TRANSVERSE WIRES GALVANIZED AFTER FABRICATION TO ASTM A133-82 457 g/m². LAP REINFORCEMENT 6" AT EACH SPLICE. ALL INTERSECTING BLOCK WALLS TO BE TIED WITH MANUFACTURED T-TYPE LADDER REINFORCEMENT EVERY SECOND BLOCK.



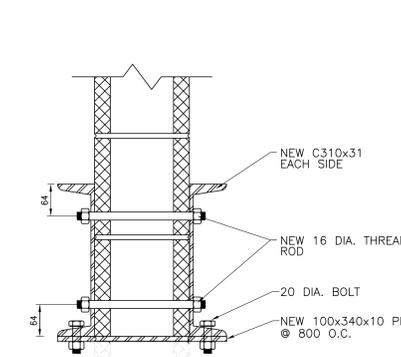
EXISTING SOUTH ELEVATION

SCALE: 1:25
0mm 500mm 1000mm 1500mm 2000mm 2500mm



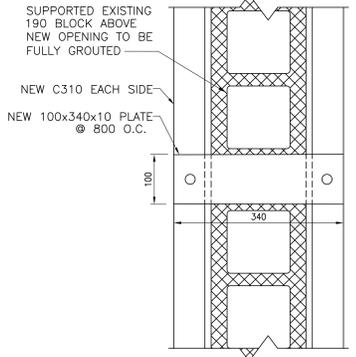
DETAIL SECTION S1

SCALE: 1:5
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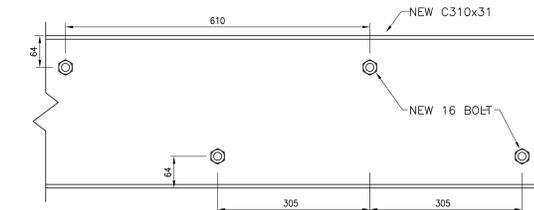
DETAIL SECTION S2

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DETAIL SECTION S3

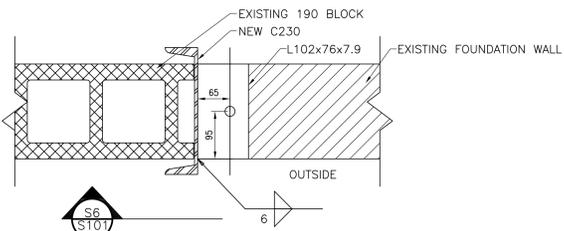
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THREADED ROD LAYOUT S5

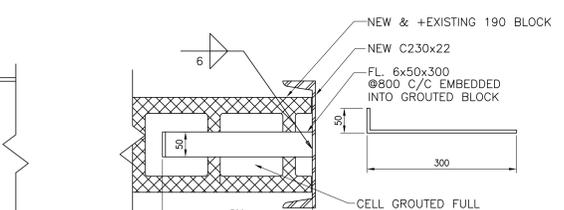
SCALE: 1:5
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NOTE: ASSEMBLY TO BE HOT DIPPED GALV.



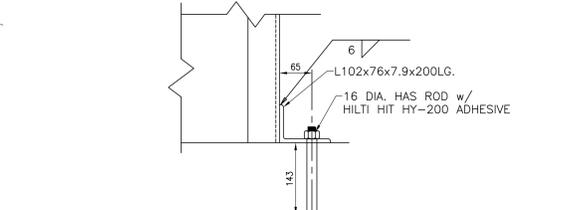
DETAIL SECTION S4

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DETAIL SECTION S6

SCALE: 1:5
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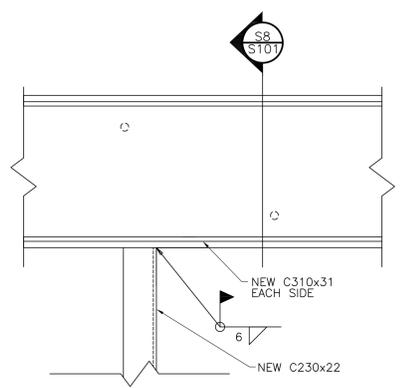


DETAIL SECTION S7

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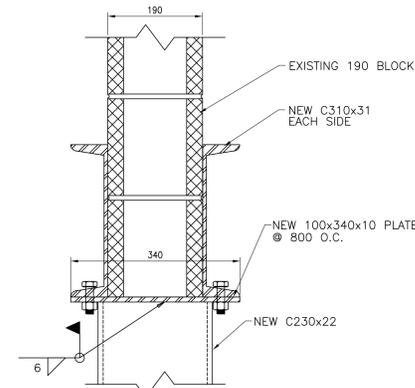
EXISTING FOUNDATION

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DETAIL SECTION S7

SCALE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm



DETAIL SECTION S8

SCALE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm