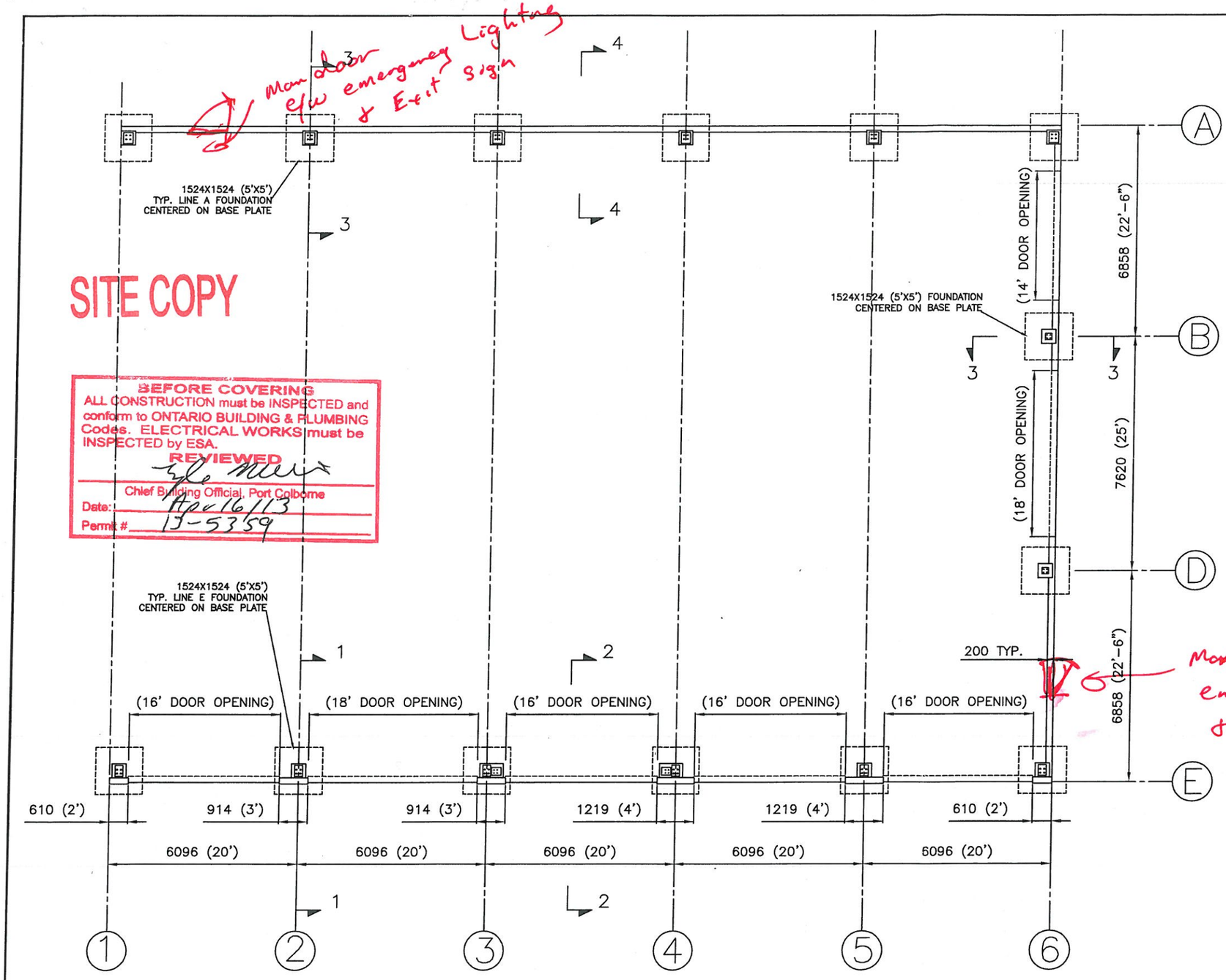


SITE COPY

BEFORE COVERING
ALL CONSTRUCTION must be INSPECTED and conform to ONTARIO BUILDING & PLUMBING Codes. ELECTRICAL WORKS must be INSPECTED by ESA.
REVIEWED
Chief Building Official, Port Colborne
Date: Apr 16/13
Permit # 13-5359

RECEIVED
APR 10 2013
BUILDING DEPT

PROFESSIONAL ENGINEER
T. A. RANKIN
4/9/13
PROVINCE OF ONTARIO

PLAN

GENERAL NOTES:

1. CLASS OF CONCRETE
   - 1.1. ALL CONCRETE UNLESS NOTED OTHERWISE: 30MPA
2. CLEAR COVER TO RFT STEEL: AS NOTED
3. REINFORCING STEEL INFO:
   - 3.1. SHALL BE GRADE 400 BLACK
   - 3.2. MIN. 15M TENSION LAP LENGTH SHALL BE 450mm
   - 3.3. MIN. 20M TENSION LAP LENGTH SHALL BE 600mm
   - 3.3. MIN. 25M TENSION LAP LENGTH SHALL BE 750mm
4. ANCHORS SHOWN INTO BEDROCK ARE TO BE INSTALLED AS PER THE FOLLOWING PROCEDURE;
   - 4.1. DRILL 23mm DIAMETER HOLES 300mm DEEP
   - 4.2. CLEAN ANCHORING HOLES
   - 4.3. SOAK AND INSERT 25mm AMBEX ANCHORING CAPSULE (AAC-25)
   - 4.4. INSERT COIL ROD ANCHORS
5. FOUNDATION DESIGN LOADS ARE PROVIDED IN NUCOR'S "COLUMN BASE REACTIONS" (ALSO SHOWN ON DRAWING C1) AND HAVE BEEN FACTORED AS PER OBC 2006.
6. ANCHOR ROD DIA., GRADE, LOCATION PROVIDED IN NUCOR'S ANCHOR BOLT PLAN
   - 6.1. ANCHOR RODS WITH PLATE AND NUTS TO BE CAST IN TO CONCRETE COLUMN
   - 6.2. TYP. 508(20") EMBEDMENT (WITH 76 (3") PROJECTION AS PER NUCOR DRAWINGS)
   - 6.3. TURN-OF-NUT METHOD TO BE USED FOR TIGHTENING

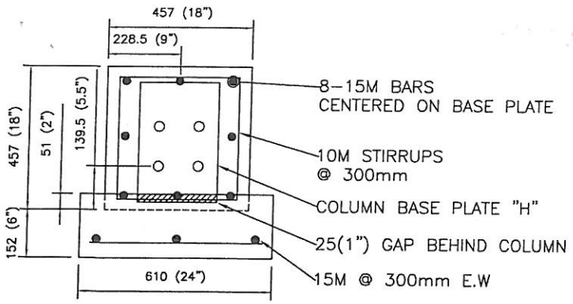
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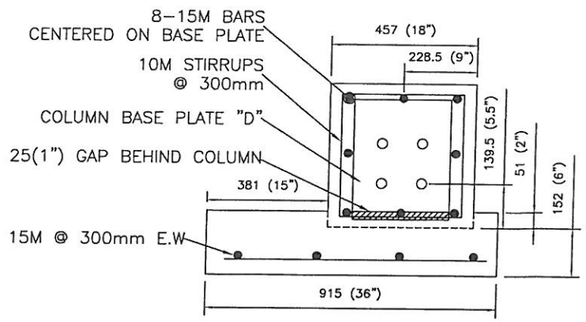
PCQ SHOP ADDITION

PLAN

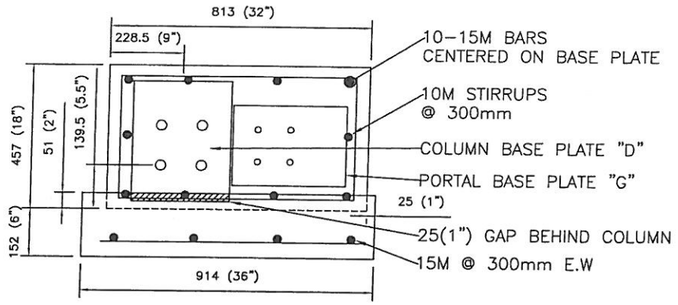
DESIGN BY: T. RANKIN P.ENG, L. DE JONG	UNITS: MM	RANKIN JOB No.: N/A
CHECK BY:	DATE: APRIL 8 2013	
DRAWN BY: L. DE JONG	DRAWING No.: R1	



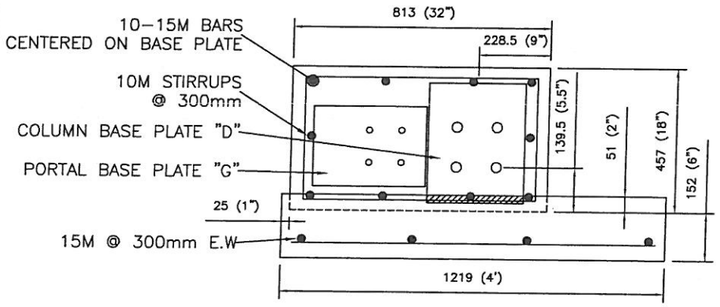
E1



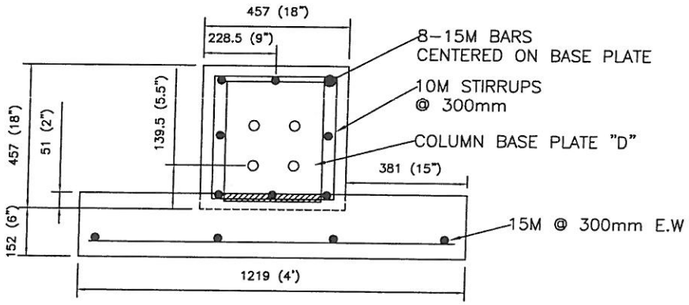
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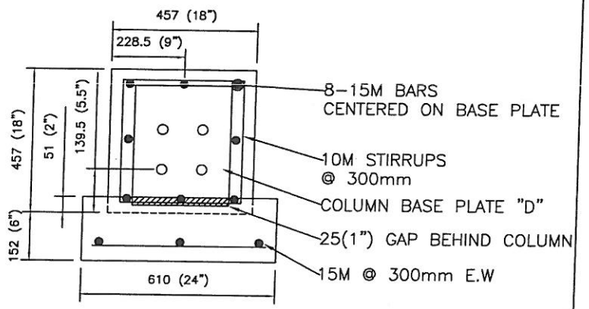
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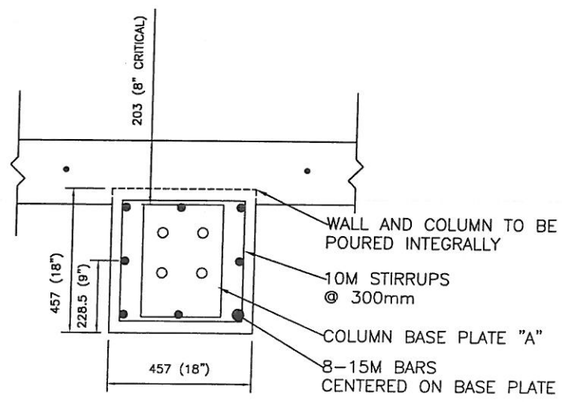
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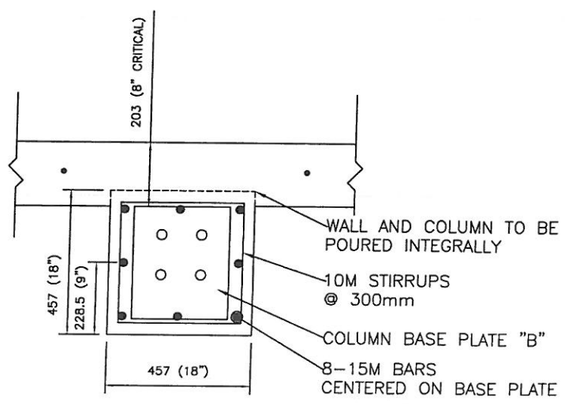
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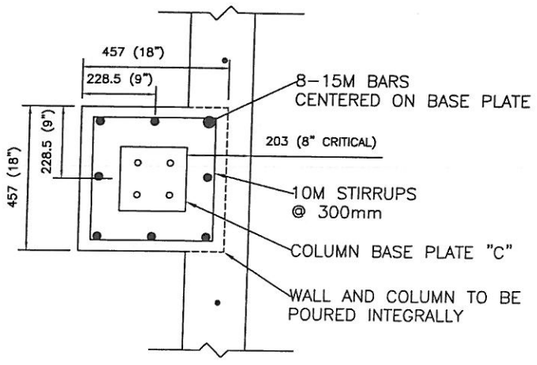
E6



A1



A2-A6



B6,D6

NOTES:

1. FOR DETAILS ON BOLT LOCATIONS AND BASE PLATES REFER TO DRAWINGS F1 AND F2
2. DOUBLE STIRRUPS AT TOP OF CONCRETE COLUMN



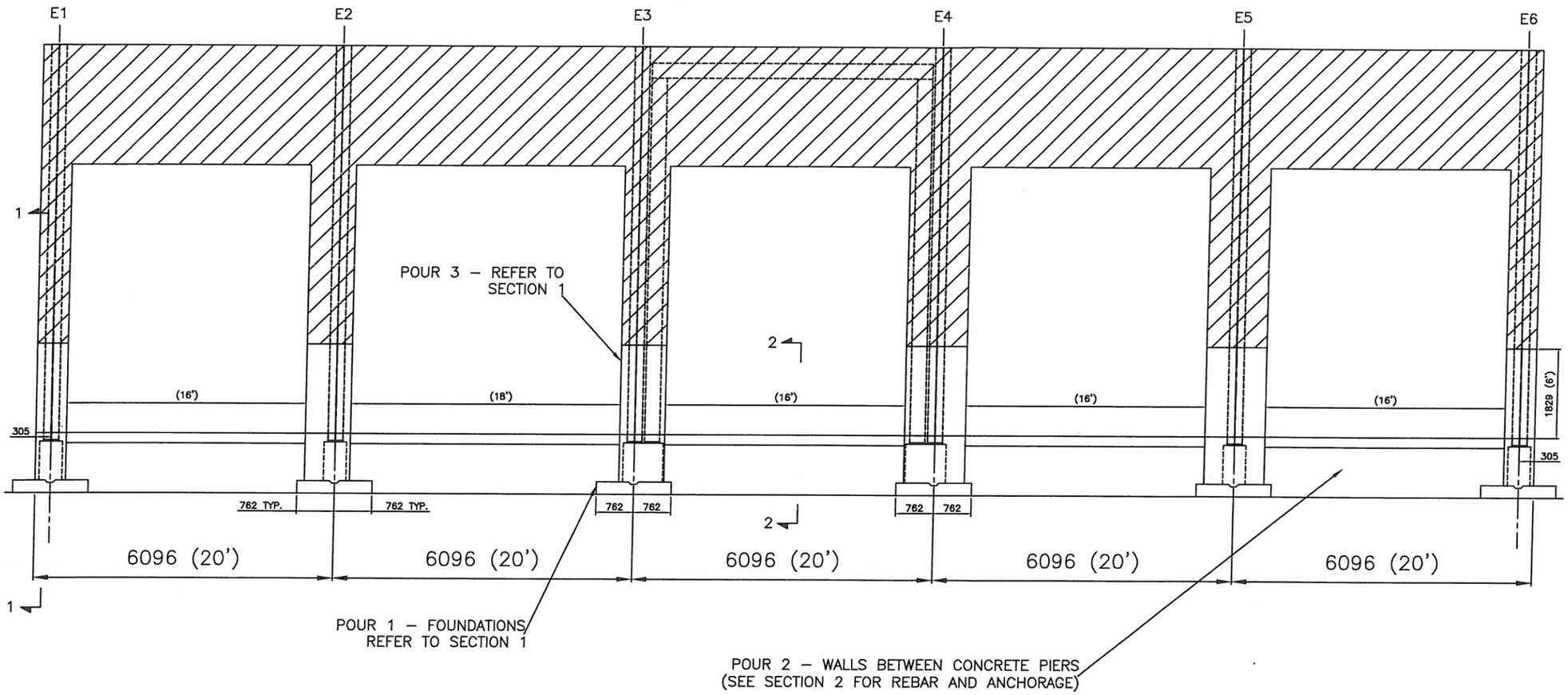
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PCQ SHOP ADDITION

TYPICAL DETAILS

DESIGN BY: T. RANKIN P.ENG, L. DE JONG	UNITS: MM	RANKIN JOB No.: N/A
CHECK BY:	DATE: APRIL 8 2013	
DRAWN BY: L. DE JONG	DRAWING No.: R2	



CROSS SECTION AT LINE E

REGISTERED PROFESSIONAL ENGINEER
T. A. RANKIN
4/9/13
PROVINCE OF ONTARIO

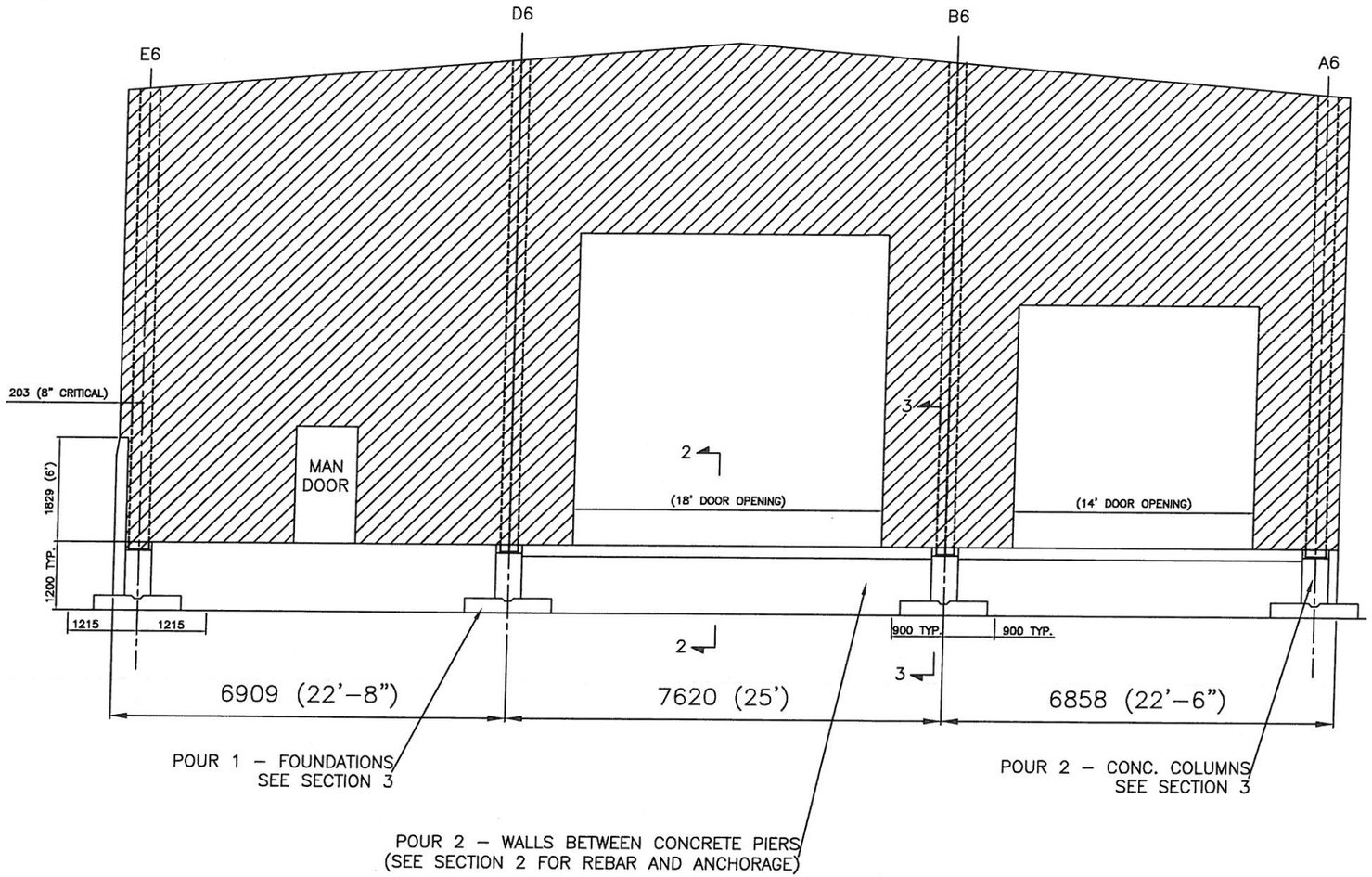
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PCQ SHOP ADDITION

LINE E (FRONT WALL) SECTION

DESIGN BY: T. RANKIN P.Eng, L. DE JONG	UNITS: MM	RANKIN JOB No.: N/A
CHECK BY:	DATE: APRIL 8 2013	
DRAWN BY: L. DE JONG	DRAWING No.: R3	



CROSS SECTION AT LINE 6

REGISTERED PROFESSIONAL ENGINEER
4/9/13
T. A. RANKIN
PROVINCE OF ONTARIO

DRAWING TO BE READ IN CONJUNCTION WITH RANKIN DRAWINGS R1 TO R7 AND ALL NUCOR BUILDING SYSTEMS PROJECT NUMBER W13P0023A REV. 2 DRAWINGS: C1 TO C2, F1 TO F2, E1 TO E9, CP-1, D1 TO D5

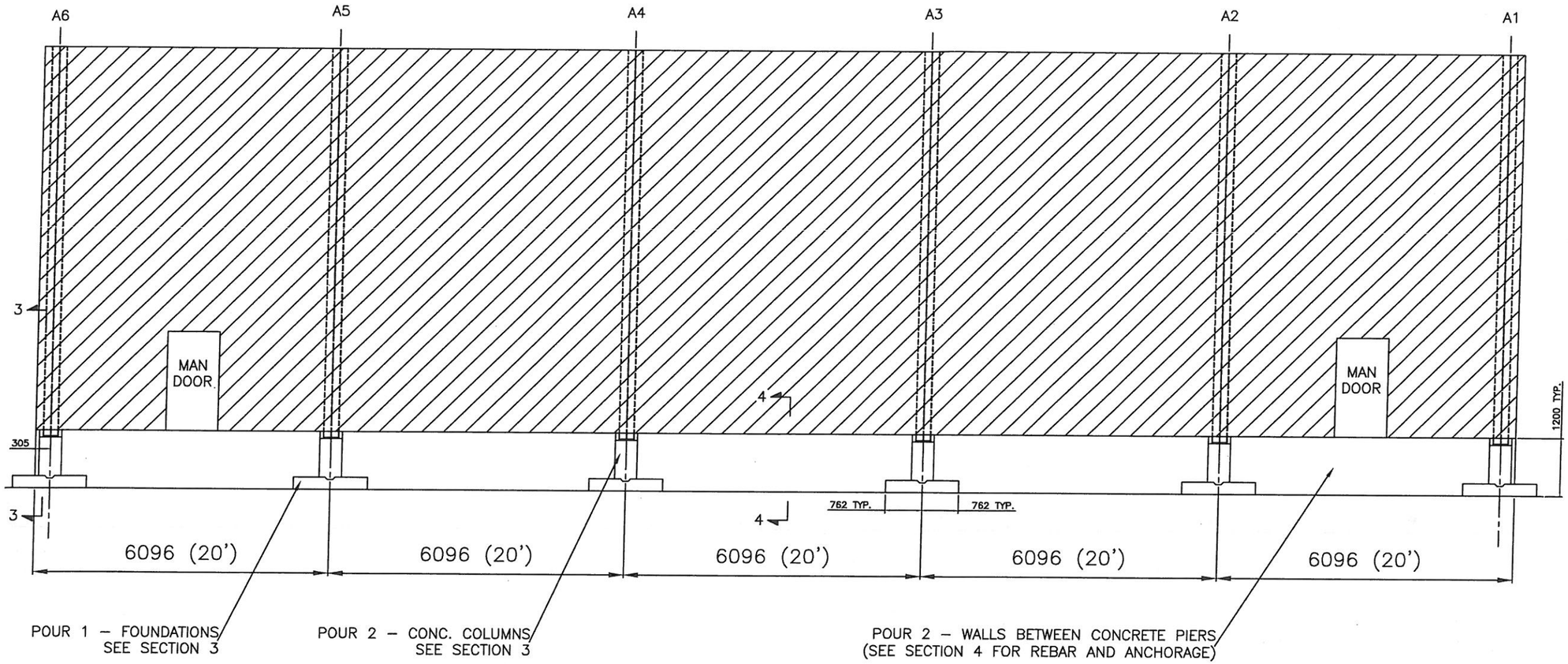
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PCQ SHOP ADDITION

LINE 6 SIDE SECTIONS

DESIGN BY: T. RANKIN P.ENG, L. DE JONG	UNITS: MM	RANKIN JOB No.: N/A
CHECK BY:	DATE: APRIL 8 2013	
DRAWN BY: L. DE JONG	DRAWING No.: R4	



CROSS SECTION AT LINE A

REGISTERED PROFESSIONAL ENGINEER
T. A. RANKIN
4/9/13
PROVINCE OF ONTARIO

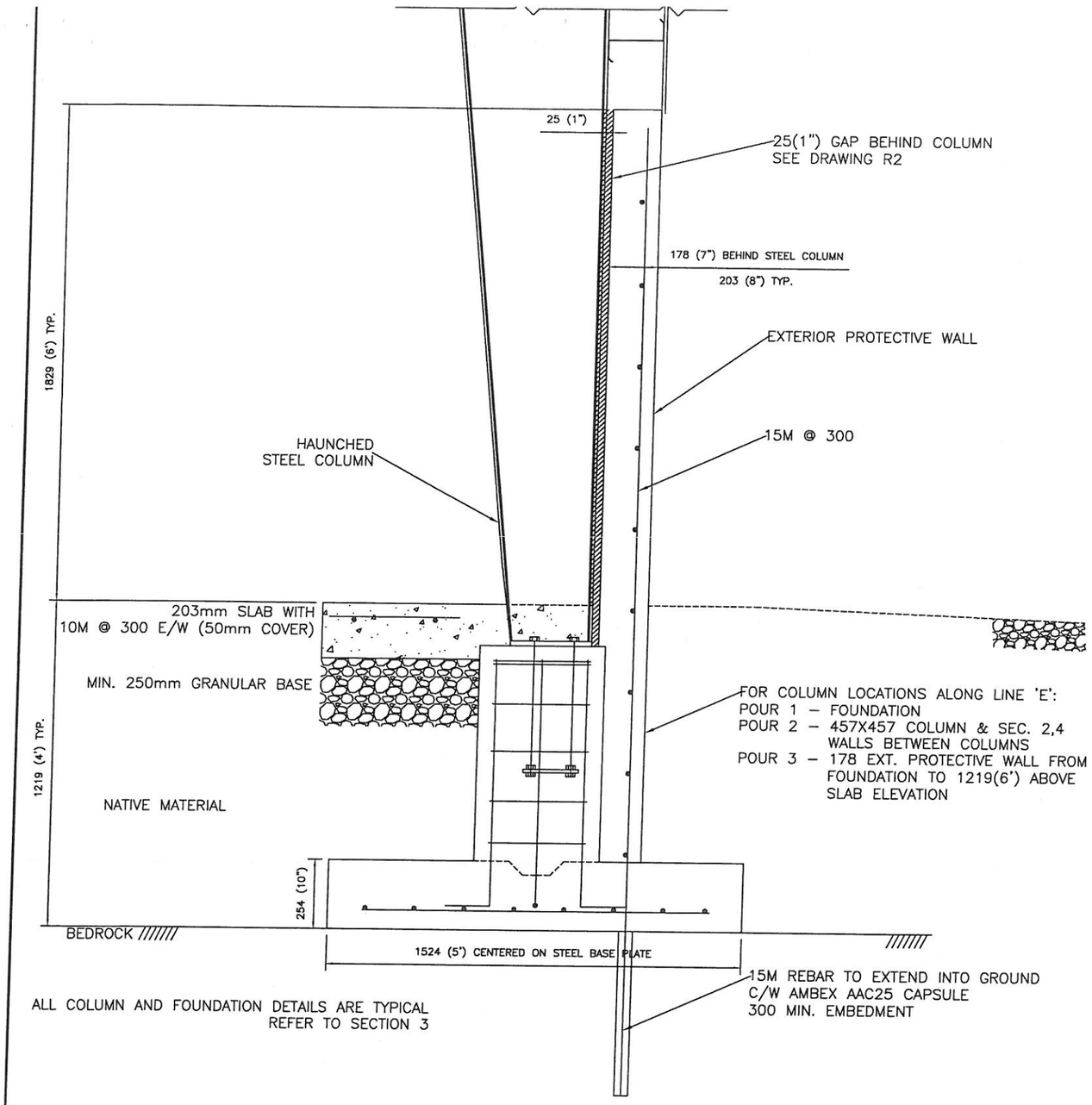
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PCQ SHOP ADDITION

LINE A BACK SECTIONS

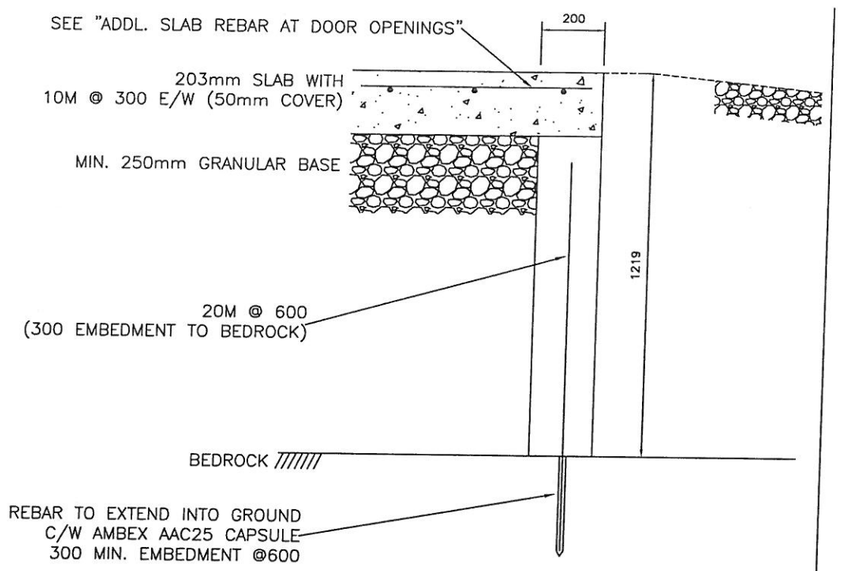
DESIGN BY: T. RANKIN P.ENG, L. DE JONG	UNITS: MM	RANKIN JOB No.: N/A
CHECK BY:	DATE: APRIL 8 2013	
DRAWN BY: L. DE JONG	DRAWING No.: R5	



ALL COLUMN AND FOUNDATION DETAILS ARE TYPICAL
REFER TO SECTION 3

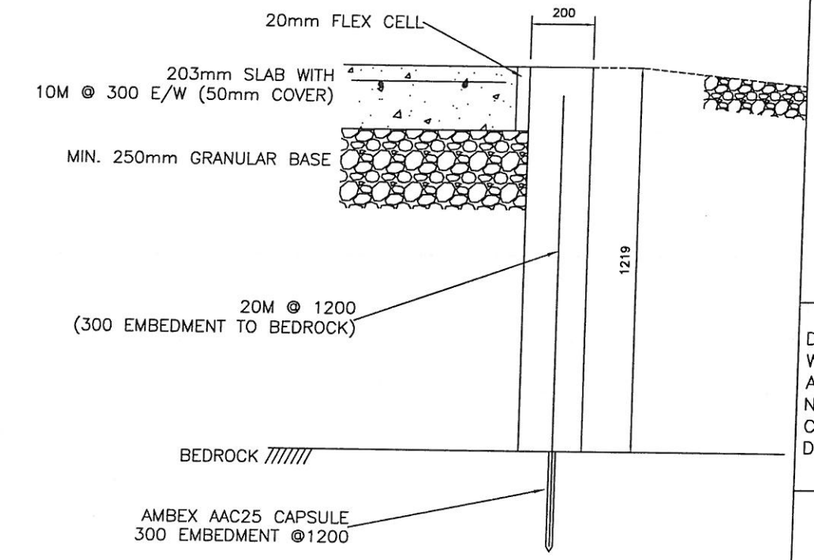
SECTION 1

TYP. LINE E COLUMNS (WITH WALL 6' ABOVE F.F.)



SECTION 2

TYP. WALL BETWEEN COLUMNS
WITH DOOR OPENINGS



SECTION 4

TYP. WALL BETWEEN COLUMNS

NOTES:

1. ALL SECTION 2 AND 4 WALLS TO BE POURED INTEGRALLY WITH CONC. COLUMNS
2. ENSURE 6' EXTERIOR PROTECTIVE WALL IS BLOCKED OUT DURING SECTION 2 AND 4 WALL POUR

REGISTERED PROFESSIONAL ENGINEER
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4/9/13
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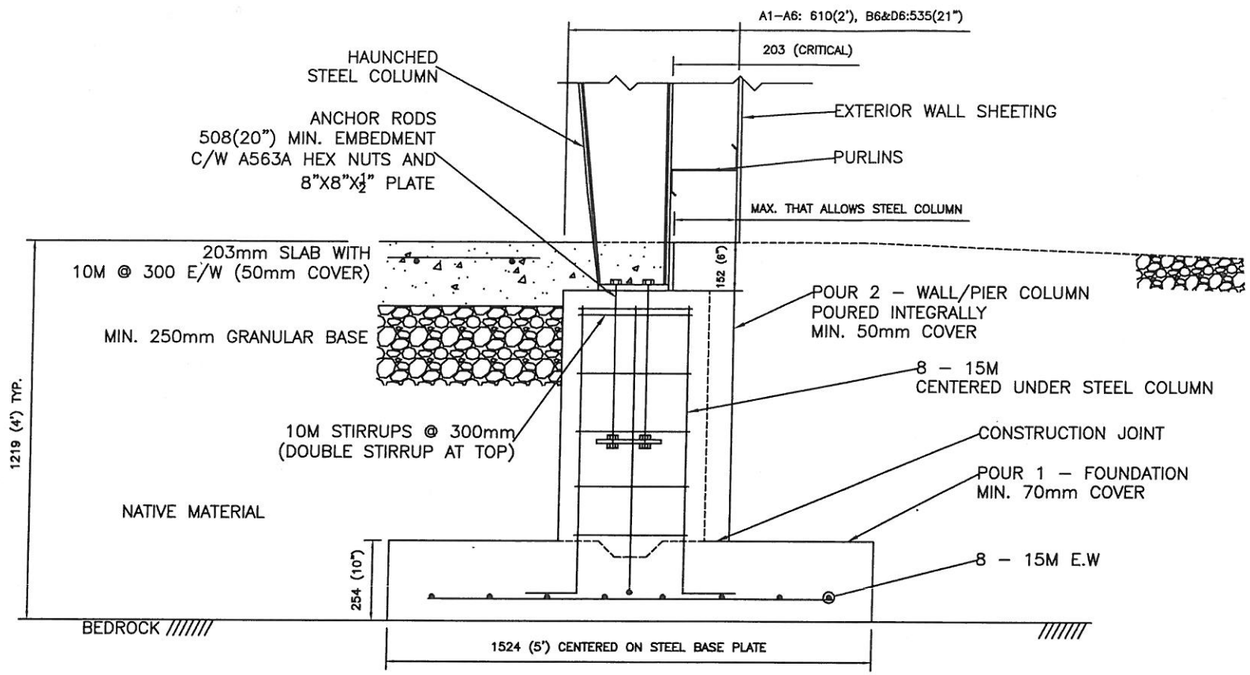
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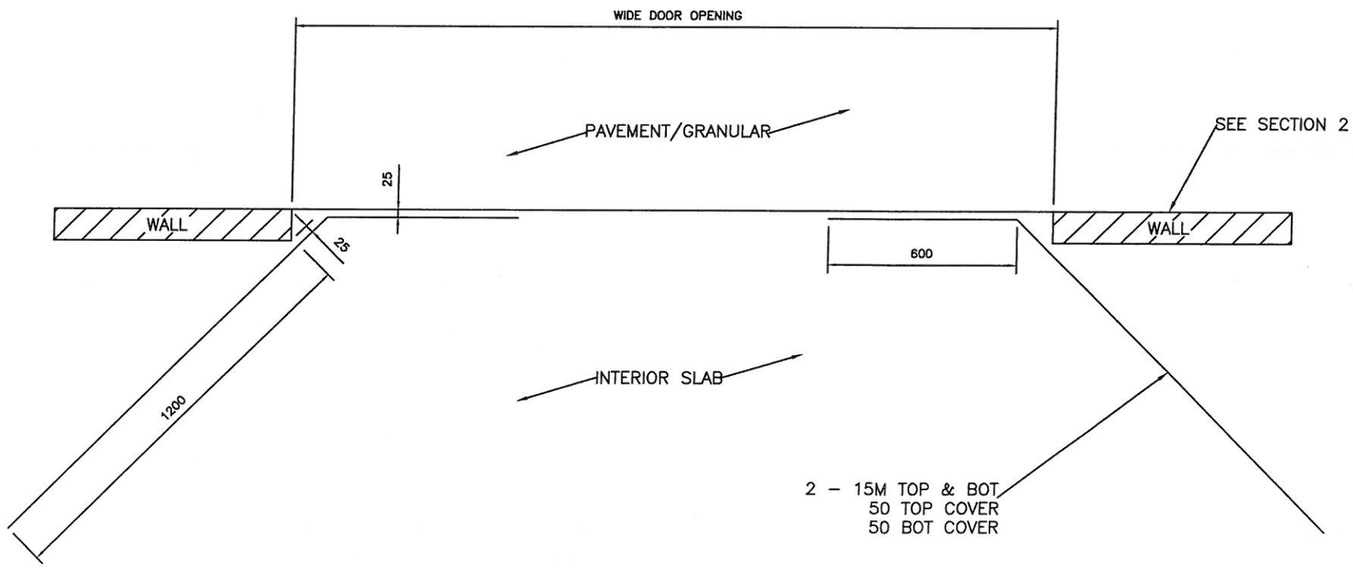
TYPICAL DETAILS

DESIGN BY: T. RANKIN P.ENG, L. DE JONG	UNITS: MM	RANKIN JOB No.: N/A
CHECK BY:	DATE: APRIL 8 2013	
DRAWN BY: L. DE JONG	DRAWING No.: R6	



SECTION 3

TYP. LINE A COLUMNS (6" BELOW F.F.)



TYP. ADDITIONAL SLAB REBAR AT DOOR OPENINGS

NOTES:

1. THE RECESS IN THE COLUMN TO BE BLOCKED OUT TO ALLOW FOR THE STEEL FRAME INSTALLATION DURING THE INTEGRAL WALL AND CONCRETE COLUMN POUR

REGISTERED PROFESSIONAL ENGINEER
T. A. RANKIN
PROVINCE OF ONTARIO
4/9/13

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PCQ SHOP ADDITION

TYPICAL DETAILS

DESIGN BY: T. RANKIN P.Eng, L. DE JONG	UNITS: MM	RANKIN JOB No.: N/A
CHECK BY:	DATE: APRIL 8 2013	
DRAWN BY: L. DE JONG	DRAWING No.: R7	