

FINANCIAL SERVICES COMMISSION BUILDING

Little Bay, Montserrat

Part B-Work Requirements

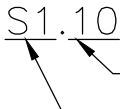
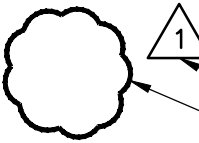

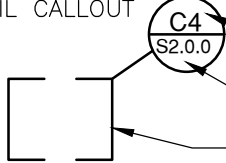
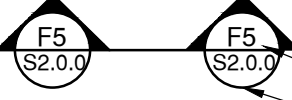
10.2 Structural Drawings Set

KJ Cassell Consultants Ltd
P.O. Box 313
Gerald's, Montserrat, MSR 1110

Office : 664-491-2819
Mobile: 664-492-1282
E-mail: kencassell@gmail.com

The logo for K. J. Cassell Consultants Ltd. is divided into two main parts. On the left is a large, bold, black stylized 'K' and 'C' that form a continuous shape. On the right is a square graphic containing the letters 'DM' in a large, outlined font. Below the 'DM' is the word 'ENGINEERING' in a smaller, spaced-out font, and at the bottom of the square is 'LTD.' in a similar font.

LEGEND

SYMBOL	DESCRIPTION
	PART OF SHEET NUMBER SHEET NUMBER
	REVISION NUMBER REVISION CLOUD
	SECTION NAME REFERENCE SHEET NUMBER
	SECTION NAME REFERENCE SHEET NUMBER DETAIL BOUNDARY
	ELEVATION NAME REFERENCE SHEET NUMBER

BARS SIZE	ANCHORAGE	SPlice LENGTH		90° BENDS	
		TOP BAR**	OTHER BAR*	EMBED LENGTH **	LEG LENGTH
3/8"	18"	24"	18"	8"	6"
1/2"	24"	31"	24"	8"	8"
5/8"	30"	39"	30"	9"	10"
3/4"	36"	47"	36"	11"	12"
1"	48"	62"	48"	15"	16"

1. **** TOP BAR - REFERS TO HORIZONTAL BARS HAVING 12" OR MORE THICKNESS OF CONCRETE POURED BELOW THE BAR.**

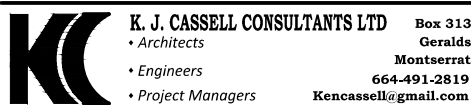
*** OTHER BAR - REFERS TO ANY BAR OTHER THAN TOP BAR.**
2. THE EMBEDMENT DEPTH OF VERTICAL REINFORCEMENT FROM INTERNAL NON-LOADBEARING BLOCK WALLS INTO SLAB ON GRADE TO BE REDUCED AS NECESSARY IN ORDER TO MAINTAIN MINIMUM 3" COVER TO BOTTOM OF FLOOR SLAB.










* OTHER BAR - REFERS TO ANY BAR OTHER THAN TOP BAR.

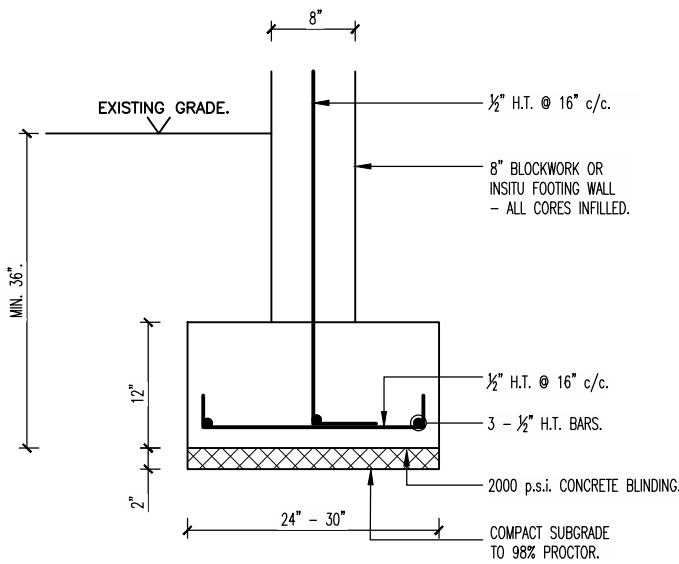


b. CONDUITS, PIPES AND SLEEVES IN MASONRY SHOULD HAVE A MINIMUM CLEAR SPACING OF 2 DIAMETERS APART.

J. Phipps	CHN
CHECKED	REV. NO.

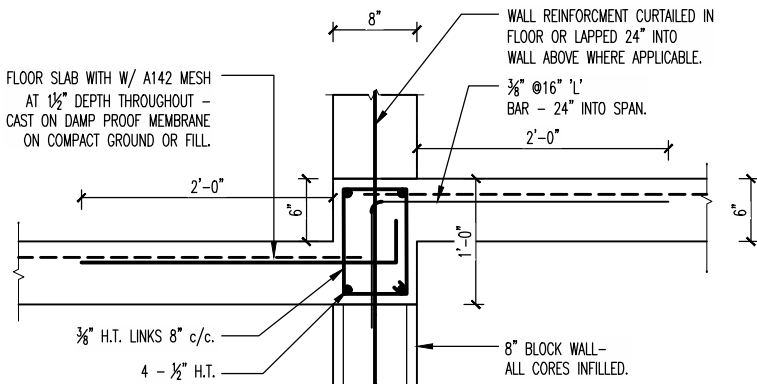


LEGEND	
	8" THICK INSITU WALLS
	9" THICK INSITU WALLS
	8" THICK LOAD BEARING BLOCK WORK
	2'-0" WIDE FOOTING
	2'-6" WIDE FOOTING
	3'-0" WIDE FOOTING
	4'-0" WIDE FOOTING
	5'-6" WIDE FOOTING
	STIFFNER/COLUMN

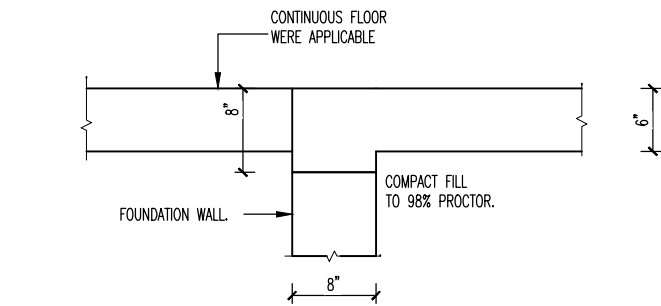


STRIP FOOTING DETAIL
SCALE: 1:12.

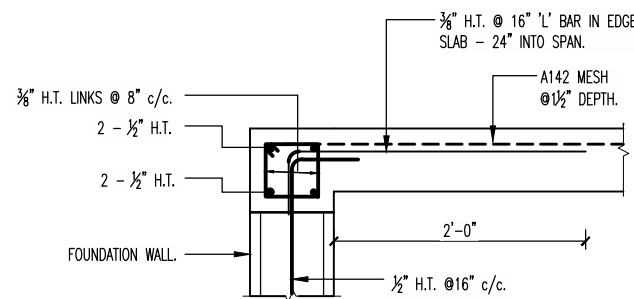
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S1.00



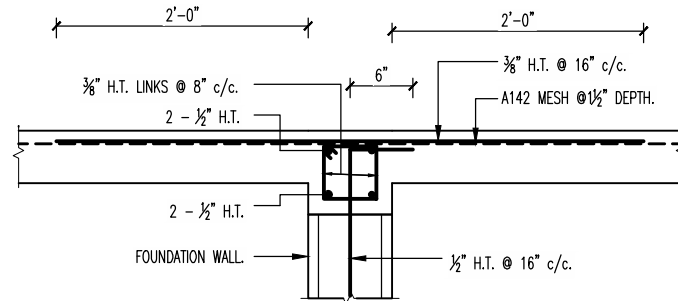
TYPICAL FLOOR ON GRADE AT THRESHOLD.
SCALE: 1:12.



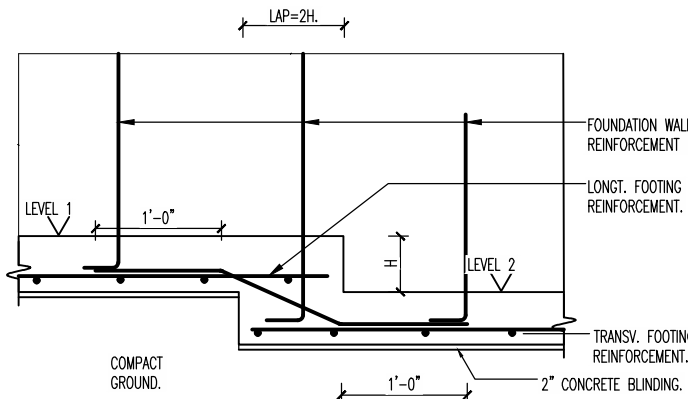
SECTION DETAIL
SCALE: 1:12



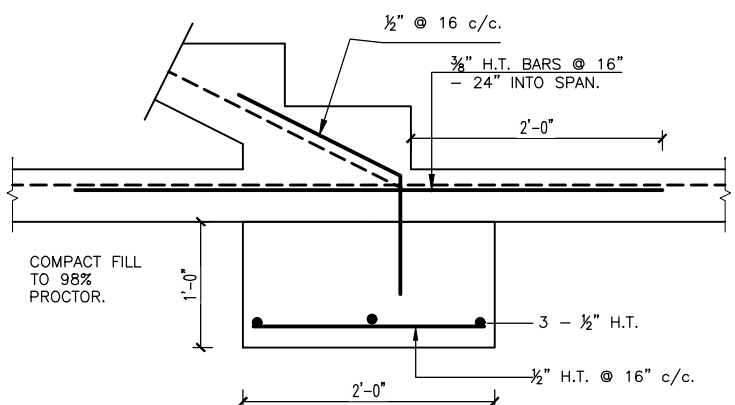
TYPICAL REINFORCEMENT DETAIL - SLAB EDGE
SCALE: 1:12



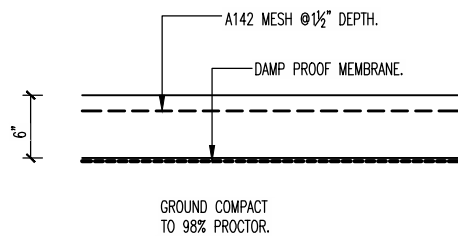
TYPICAL REINFORCEMENT DETAIL - SLAB CONTINUOUS
SCALE: 1:12



TYPICAL FOUNDATION STEPPING DETAIL.
SCALE: N.T.S.



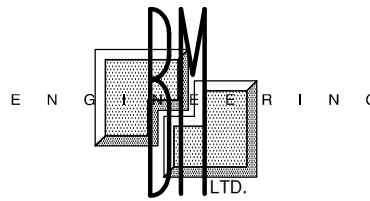
TYPICAL STRIP FOOTING
DETAIL - AT STEP AREA.
SCALE: 1:12.



TYPICAL SLAB ON GRADE DETAIL
SCALE: 1:12.

CONSTRUCTION NOTES

1. REINFORCING STEEL HIGH YIELD (410 MPa) GENERALLY. - OTHERWISE MILD STEEL (M.S.) SMOOTH BARS (250 MPa) WHERE NOTED.
2. BAR BENDING RADII - 3 X BAR DIAMETER GENERALLY. (BS4446)
3. BLOCKWORK TO BE CONSTRUCTED OF MIN. 1500 p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90 AND PLACED IN RUNNING BOND.
4. BLOCK INFILL CONCRETE 1:2:4: MIX WITH 3/8" MAX. AGGREGATE. BLOCK WALLS TO BE INFILLED IN 24" LIFTS AND TAMPED WITH A SMOOTH ROD.
5. INSITU REINFORCED CONCRETE 28 DAY STRENGTHS FOUNDATIONS AND GRADE SLABS - 4000 p.s.i. SUPERSTRUCTURE - 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT:
SLABS & BEAMS - 1 1/2"
COLUMN - 1 1/2"
FOUNDATIONS - 2"
BACKFILLED FACE OF RETAINING WALL - 2".
7. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. - TO BE COMPACTED IN 8" LAYERS TO 98% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
8. LOCATIONS OF CONSTRUCTION JOINTS TO BE AGREED WITH CONTRACTOR AT CONSTRUCTION.
9. CONCRETE ELEMENTS TO BE WATER PROOFED AS FOLLOWS:
a. ROOF SLABS & INTERNAL RETAINING WALLS TO HAVE XYPEX ADDITIVE IN CONCRETE.
10. CHASES & RECESSES IN WALLS
a. NO HORIZONTAL CHASES ARE PERMITTED IN MASONRY WALLS. HORIZONTAL PIPING OR CONDUITS MAY BE RUN IN CONCRETE BEAMS OR FLOORS.
b. CONDUITS, PIPES AND SLEEVES IN MASONRY SHOULD HAVE A MINIMUM CLEAR SPACING OF 2 DIAMETERS APART.



Brisbane, McGrath Engineering
Consultants Limited.
P.O. Box 688,
Princes Street, Basseterre,
St. Kitts, West Indies

K. J. CASSELL CONSULTANTS LTD Box 313
• Architects • Engineers • Project Managers
Grade 1
Montserrat
664-491-2819
Kencassell@gmail.com

REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE SCALED FROM DRAWINGS.

PROJECT
**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTSERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE

FOUNDATION DETAILS I

DATE
DEC 2019

PROJECT NO.
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SCALE
AS SHOWN

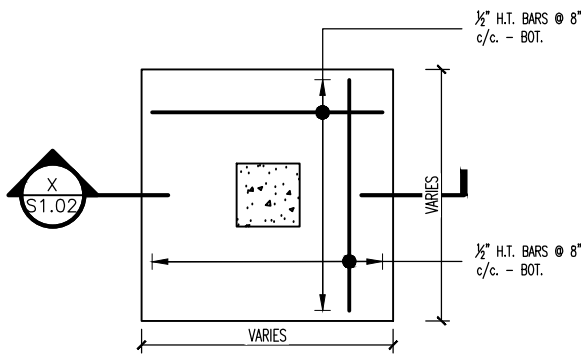
SHEET NO.

DRAWN
J. PHIPPS

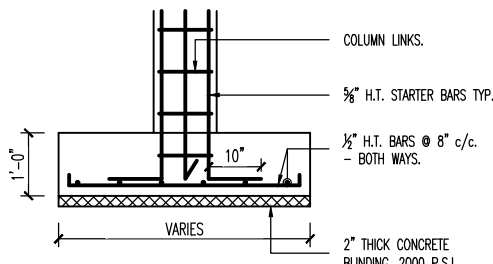
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CHECKED
R. McGrath

REVIEW
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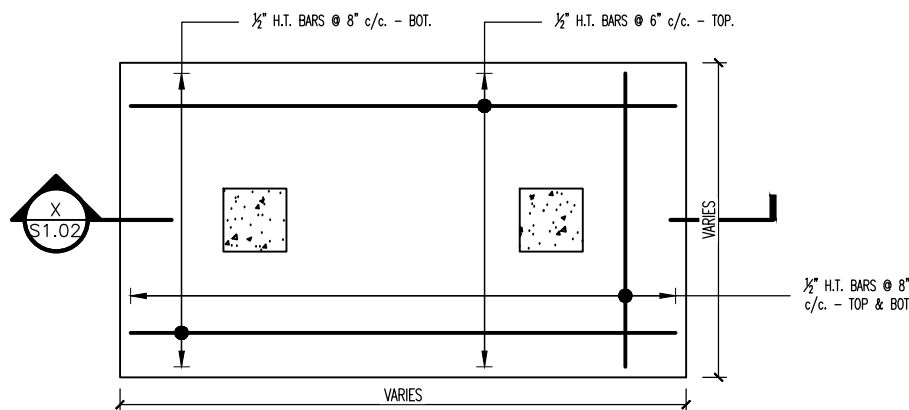


PLAN VIEW - SINGLE PAD FOOTING

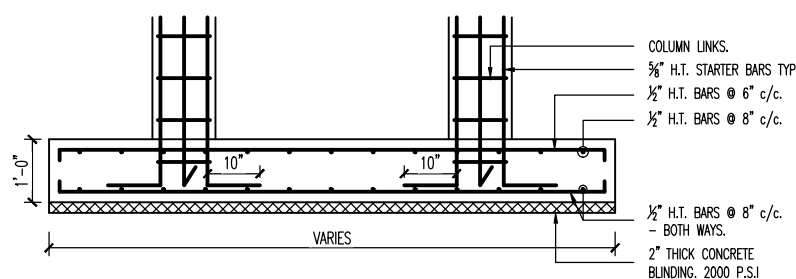


SECTION X - SINGLE PAD FOOTING TYPICAL SECTION

PAD FOOTING DETAILS I
SCALE: 1:24



PLAN VIEW - DOUBLE PAD FOOTING



SECTION X - DOUBLE PAD FOOTING TYPICAL SECTION

PAD FOOTING DETAILS II
SCALE: 1:24

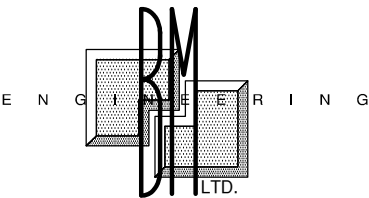
PAD FOOTING SIZES

NAMES	SIZES
P1	3'-6" x 3'-6"
P2	4'-0" x 4'-0"
P3	4'-6" x 4'-6"
P4	5'-0" x 5'-0"
P5	5'-6" x 5'-6"
P6	6'-0" x 6'-0"
P7	6'-6" x 6'-6"
P8	5'-0" x 7'-0"
P9	5'-0" x 9'-0"

REF. SHEET S1.00

CONSTRUCTION NOTES

- REINFORCING STEEL HIGH YIELD (410 MPa) GENERALLY. - OTHERWISE MILD STEEL (M.S.) SMOOTH BARS (250 MPa) WHERE NOTED.
- BAR BENDING RADII - 3 X BAR DIAMETER GENERALLY. (BS4466)
- BLOCKWORK TO BE CONSTRUCTED OF MIN. 1500 p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90 AND PLACED IN RUNNING BOND.
- BLOCK INFILL CONCRETE 1:2:4 MIX WITH 3/4" MAX. AGGREGATE. BLOCK WALLS TO BE INFILLED IN 24" LIFTS AND TAMPED WITH A SMOOTH ROD.
- INSITU REINFORCED CONCRETE 28 DAY STRENGTHS FOUNDATIONS AND GRADE SLABS - 4000 p.s.i. SUPERSTRUCTURE - 4000 p.s.i.
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REVISIONS NOTES

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No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE
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PROJECT
**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTSERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE

FOUNDATION DETAILS II

DATE
DEC 2019

PROJECT NO.
--

SCALE
AS SHOWN

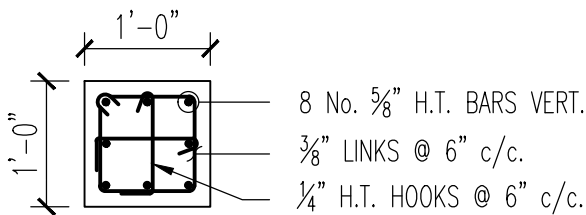
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DRAWN
J. PHIPPS

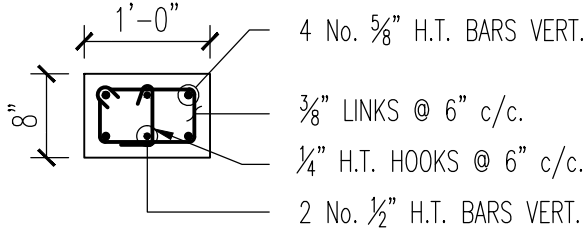
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R. McGrath

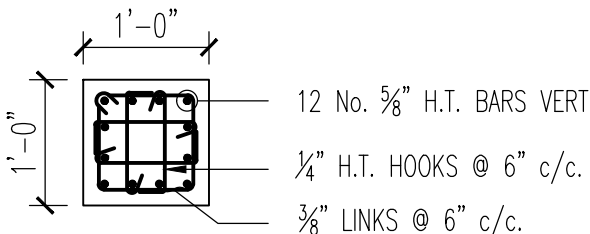
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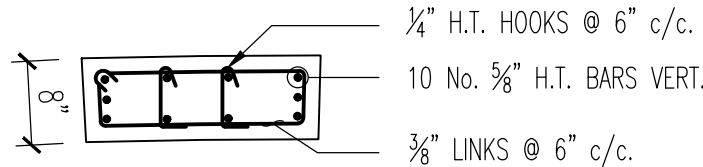
COLUMN C1
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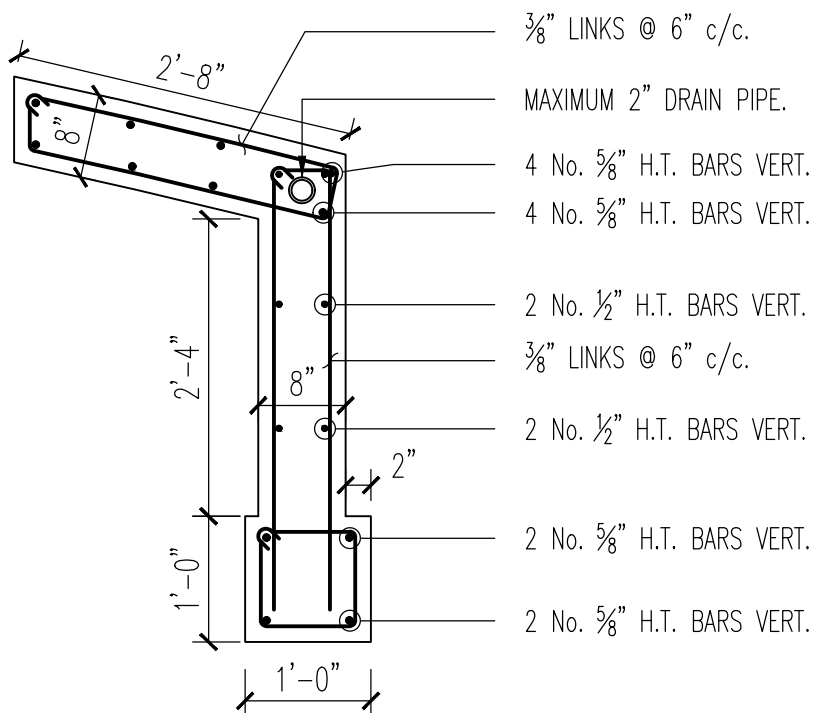
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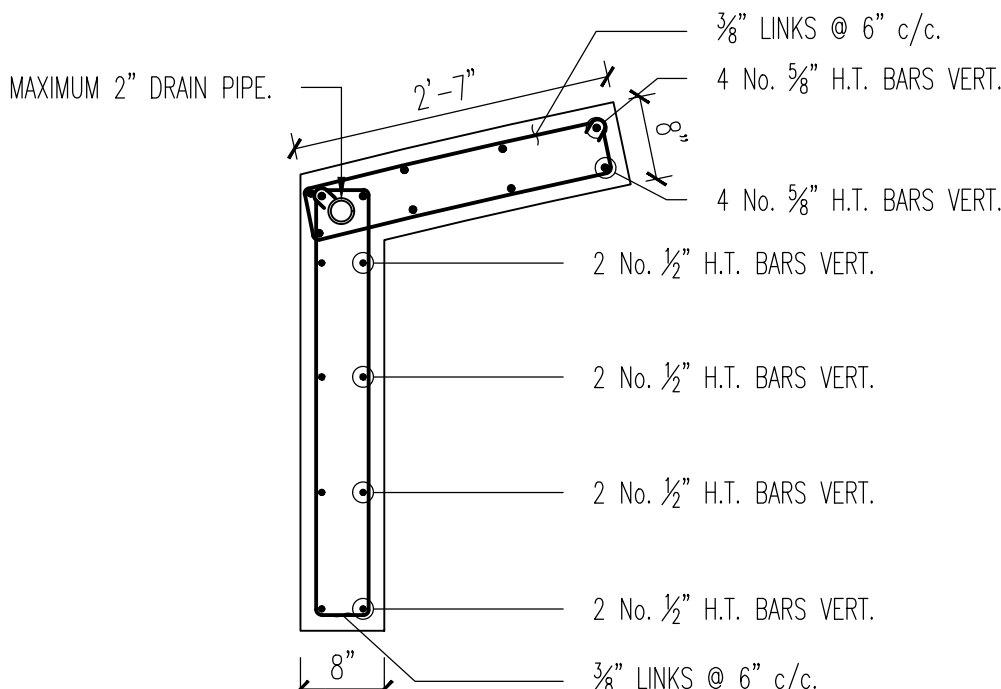
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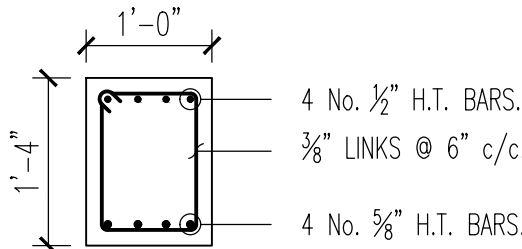
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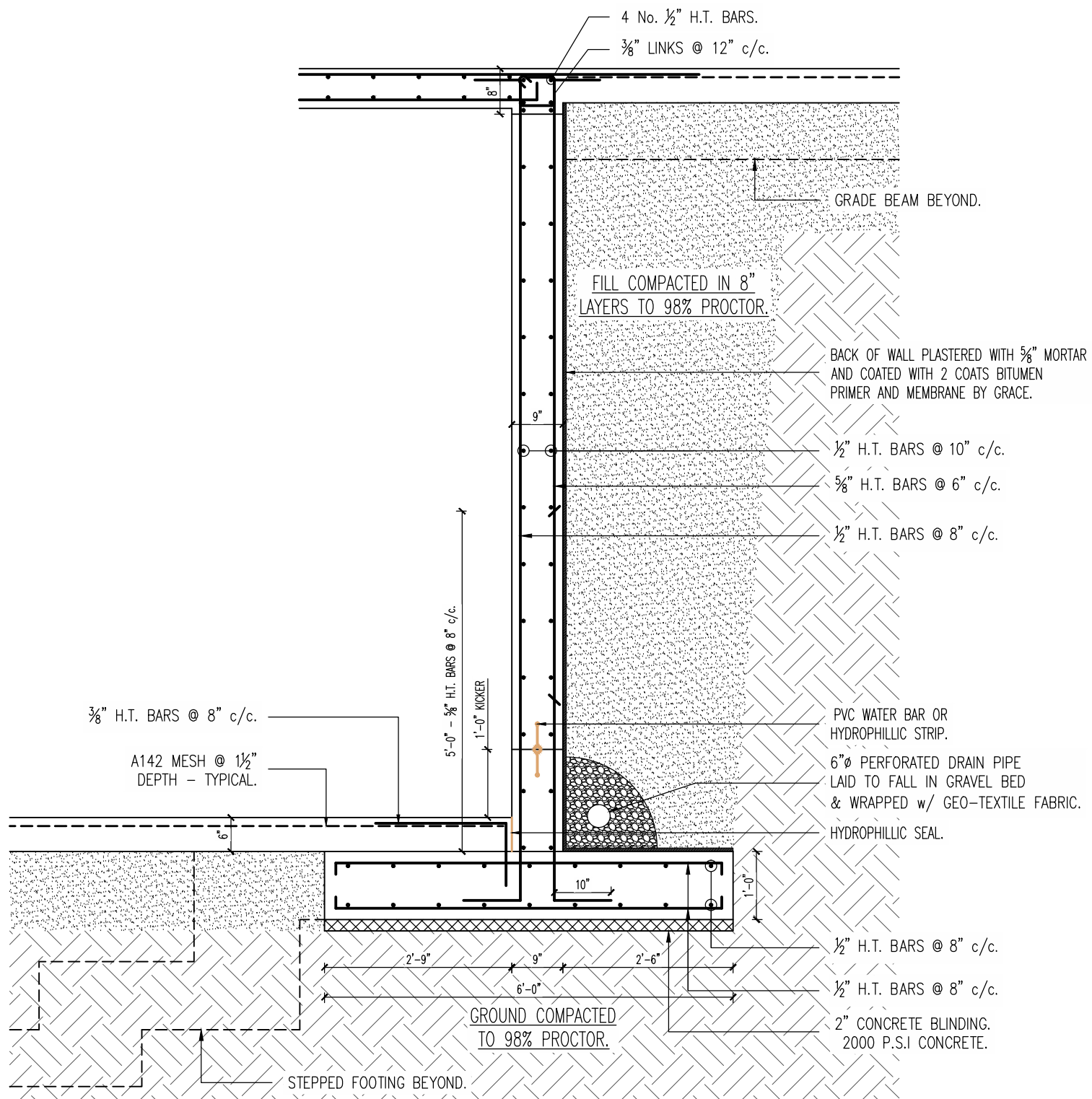
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SCALE: 1:12



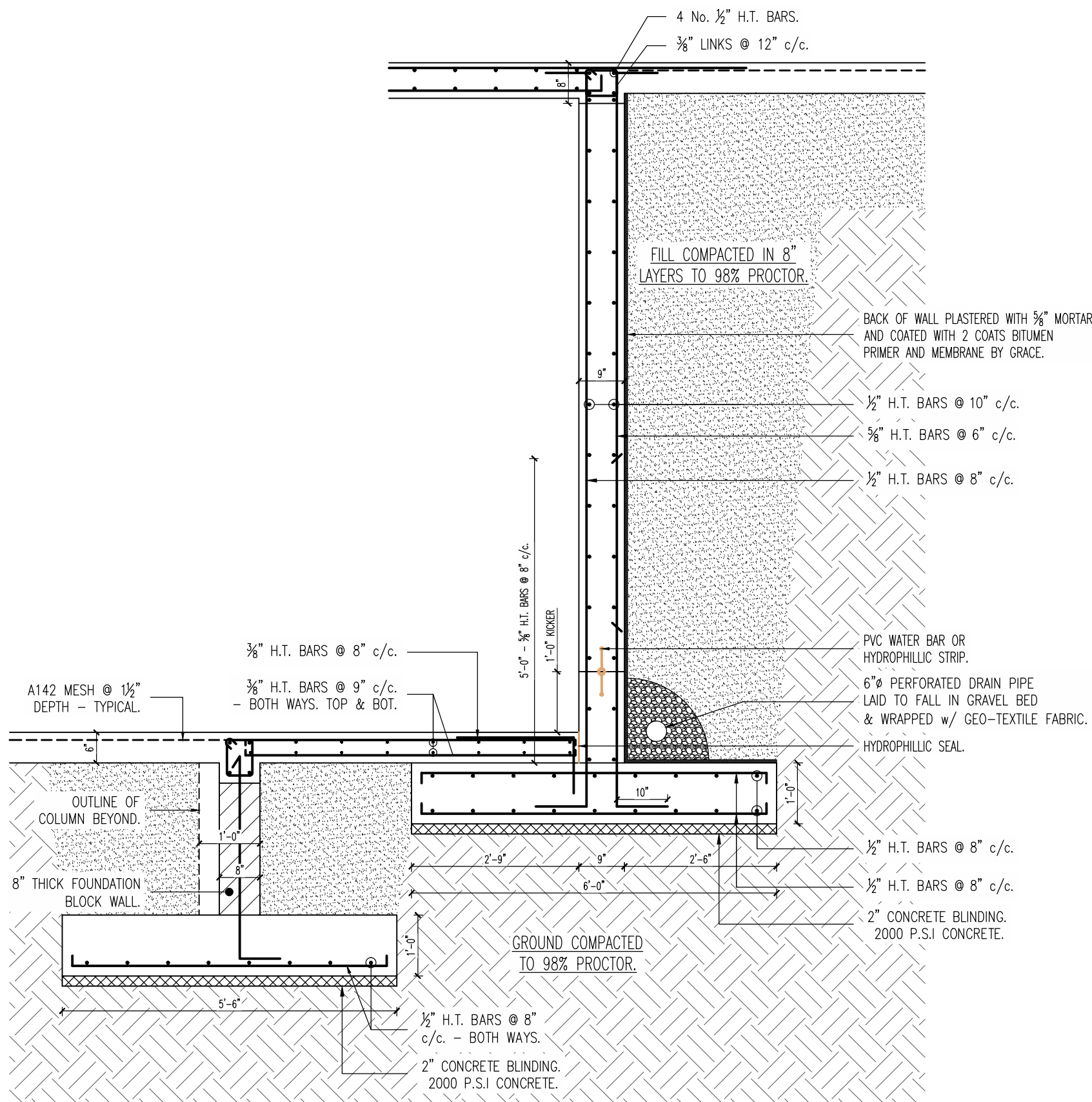
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SCALE: 1:12



GRADE BEAM DETAIL
SCALE: 1:12



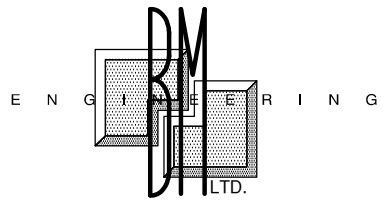
RETAINING WALL - RW1 (REF. SHT. S1.00 & S2.00)
SCALE: 1:16



RETAINING WALL - RW2 (REF. SHT. S1.00 & S2.00)
SCALE: 1:16

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6. CONCRETE COVER TO REINFORCEMENT: SLABS & BEAMS - 1 1/2" COLUMN - 1 1/2" FOUNDATIONS - 2" BACKFILLED FACE OF RETAINING WALL - 2".
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K. J. CASSELL CONSULTANTS LTD Box 313
Garde
Montserrat
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Kcassell@gmail.com

REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE SCALED FROM DRAWINGS.

PROJECT

FINANCIAL SERVICES COMMISSION BUILDING, LITTLE BAY, MONTERRAT

CLIENT

FINANCIAL SERVICES COMMISSION

ISSUE

BID

SHEET TITLE

SECTION DETAILS I

DATE DEC 2019

PROJECT NO. --

SCALE AS SHOWN

SHEET NO.

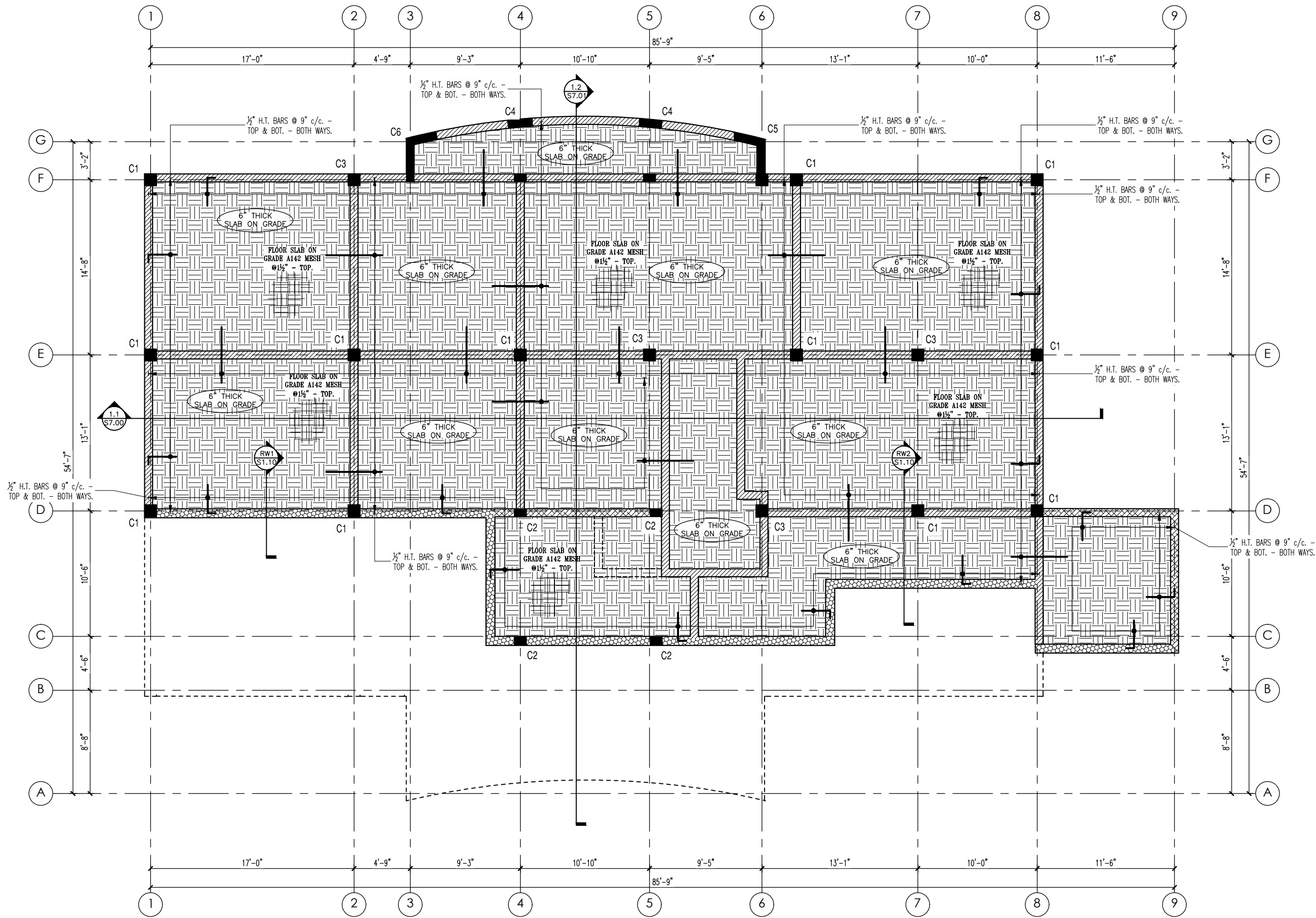
DRAWN J. PHIPPS

S1.10

CHECKED R. McGrath

REVIEW --

BASEMENT REINFORCEMENT PLAN
SCALE: 1:64



CONSTRUCTION NOTES

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3. BLOCKWORK TO BE CONSTRUCTED OF MIN. 1500 p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90 AND PLACED IN RUNNING BOND.
4. BLOCK INFILL CONCRETE 1:2:4: MIX WITH $\frac{3}{8}$ " MAX. AGGREGATE. BLOCK WALLS TO BE INFILLED IN 24" LIFTS AND TAMPED WITH A SMOOTH ROD.
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SHEET TITLE
BASEMENT REINFORCEMENT PLAN

DATE
DEC 2019

PROJECT NO.
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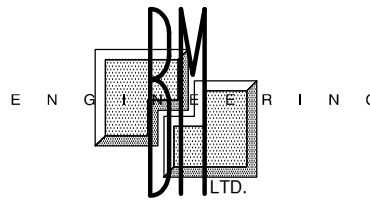
SCALE
AS SHOWN

SHEET NO.
S2.00

DRAWN
J. PHIPPS

CHECKED
R. McGrath

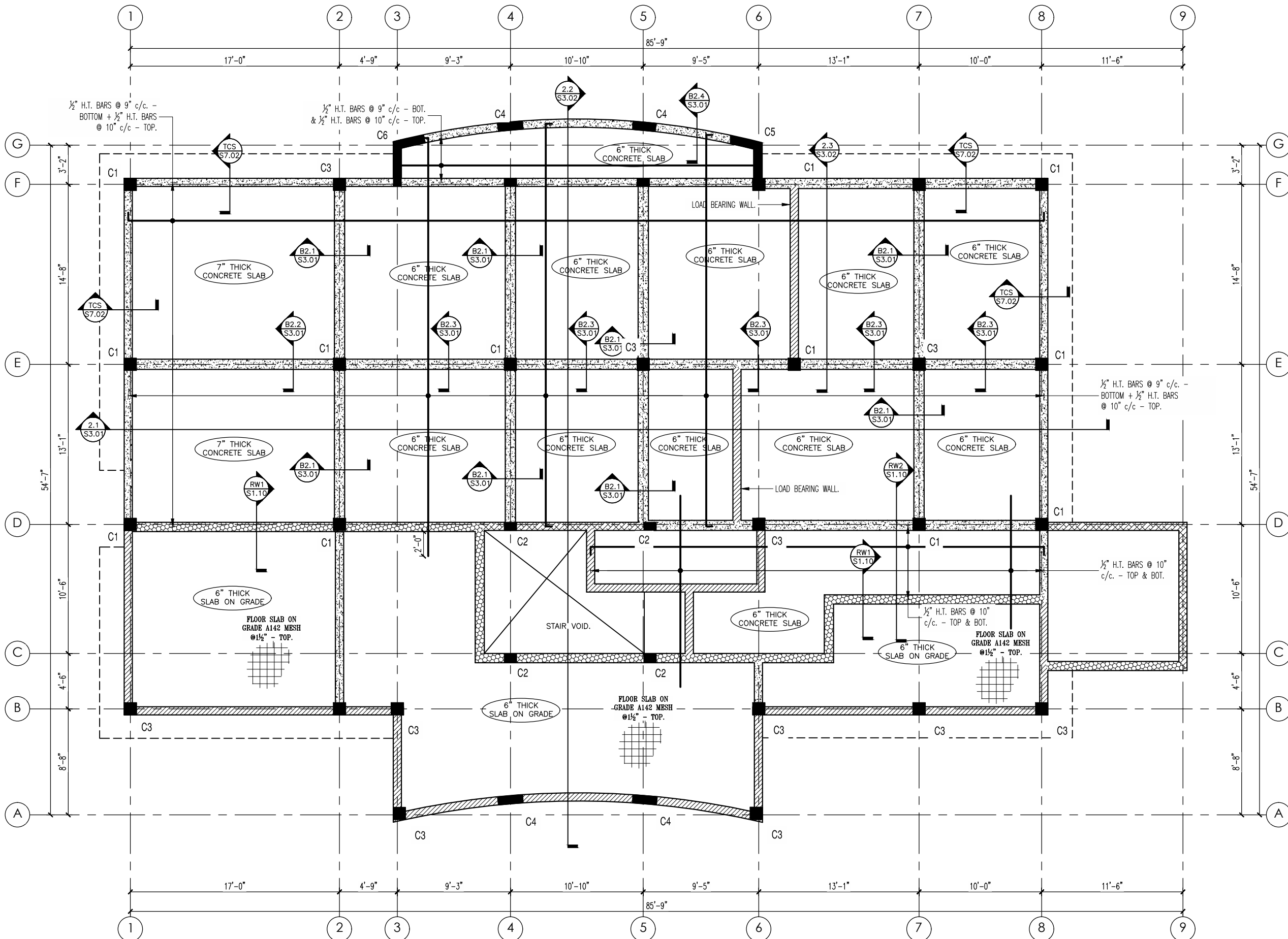
REVIEW
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• Engineers • Montserrat
• Project Managers • 664-491-2819
Kencassell@gmail.com

NB: SLAB BOTTOM REINFORCEMENT SPLICES TO BE LOCATED NEAT SUPPORTS. SLAB TOP REINFORCEMENT SPLICES TO BE LOCATED NEAR MIDSPAN.

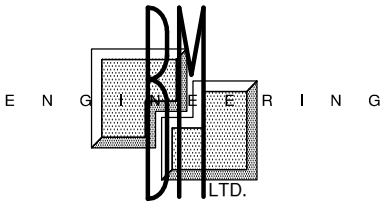


GROUND FLOOR REINFORCEMENT PLAN

SCALE: 1:64

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2. BAR BENDING RADII - 3 X BAR DIAMETER GENERALLY. (BS4466)
3. BLOCKWORK TO BE CONSTRUCTED OF MIN. 1500 p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90 AND PLACED IN RUNNING BOND.
4. BLOCK INFILL CONCRETE 1:2:4: MIX WITH 3/8" MAX. AGGREGATE. BLOCK WALLS TO BE INFILLED IN 24" LIFTS AND TAMPED WITH A SMOOTH ROD.
5. INSITU REINFORCED CONCRETE 28 DAY STRENGTHS FOUNDATIONS AND GRADE SLABS - 4000 p.s.i. SUPERSTRUCTURE - 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT: SLABS & BEAMS - 1 1/2" COLUMN - 1 1/2" FOUNDATIONS - 2" BACKFILLED FACE OF RETAINING WALL - 2".
7. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. - TO BE COMPACTED IN 8" LAYERS TO 98% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
8. LOCATIONS OF CONSTRUCTION JOINTS TO BE AGREED WITH CONTRACTOR AT CONSTRUCTION.
9. CONCRETE ELEMENTS TO BE WATER PROOFED AS FOLLOWS:
 - a. ROOF SLABS & INTERNAL RETAINING WALLS TO HAVE XYPEX ADDITIVE IN CONCRETE.
10. CHASES & RECESSES IN WALLS
 - a. NO HORIZONTAL CHASES ARE PERMITTED IN MASONRY WALLS, HORIZONTAL PIPING OR CONDUITS MAY BE RUN IN CONCRETE BEAMS OR FLOORS.
 - b. CONDUITS, PIPES AND SLEEVES IN MASONRY SHOULD HAVE A MINIMUM CLEAR SPACING OF 2 DIAMETERS APART.



Brisbane, McGrath Engineering Consultants Limited.
P.O. Box 688,
Princes Street, Basseterre,
St. Kitts, West Indies



REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE SCALED FROM DRAWINGS.

PROJECT
FINANCIAL SERVICES COMMISSION BUILDING, LITTLE BAY, MONTSERRAT

CLIENT
FINANCIAL SERVICES COMMISSION

ISSUE

BID

SHEET TITLE

GROUND FLOOR REINFORCEMENT PLAN

DATE
DEC 2019

PROJECT NO.
--

SCALE
AS SHOWN

DRAWN
J. PHIPPS

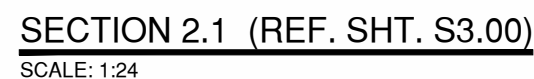
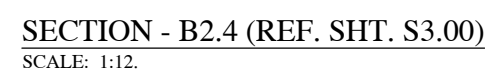
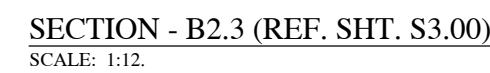
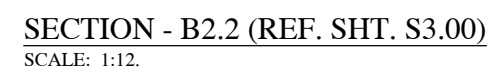
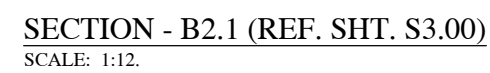
SHEET NO.
S3.00

CHECKED
R. McGrath

REVISION
--

LEGEND

	8" THICK INSITU WALLS
	9" THICK INSITU WALLS
	8" THICK LOAD BEARING BLOCK WORK
	REINFORCE CONCRETE BEAM
	STIFFNER/COLUMN



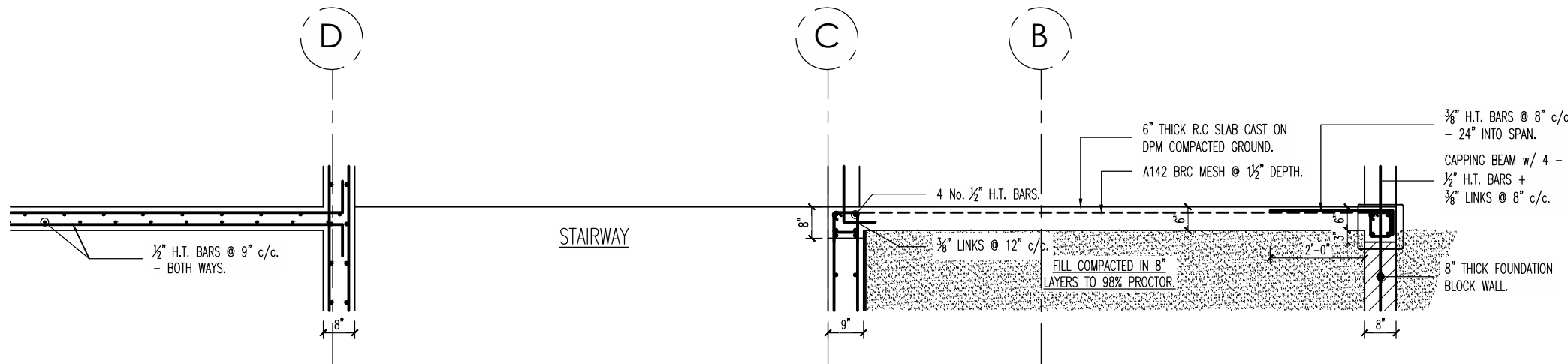
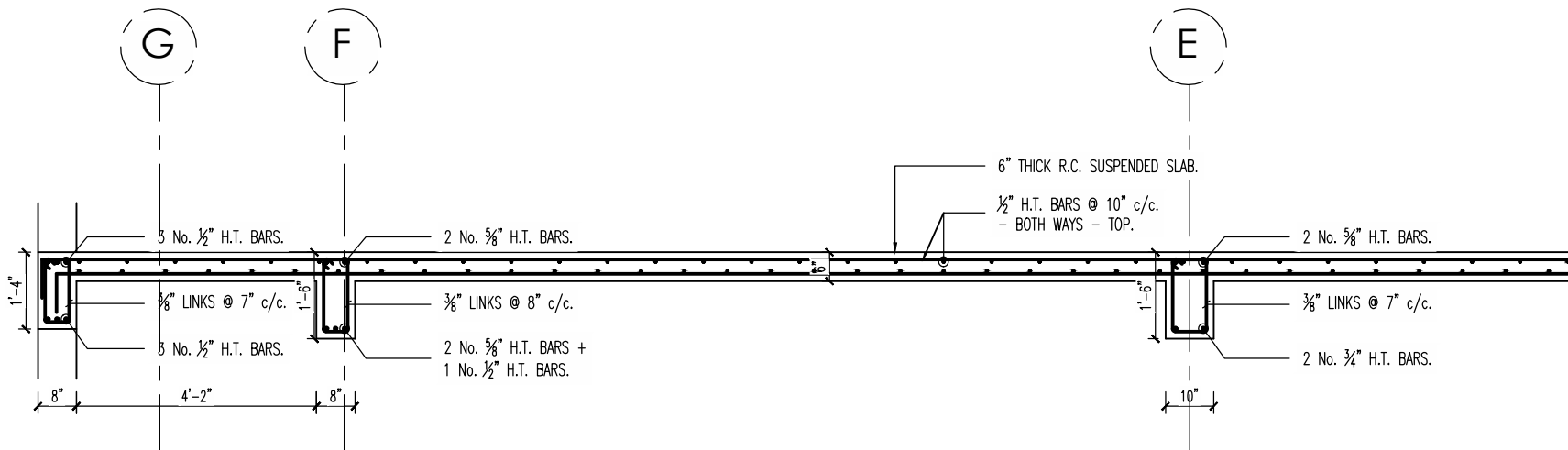
1. REINFORCING STEEL HIGH YIELD (4.0 MPa)
GENERALLY, - OTHERWISE MILD STEEL (240 MPA) SMOOTH
BARS (250 MPa) WERE NOTED.
2. BAR BENDING RADIUS = 3 X BAR DIAMETER
GENERALLY, (BS4466)
3. BLOCKWORK: TO BE CONSTRUCTED OF MIN. 1500
p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90
AND PLACED IN RUNNING BOND.
4. BLOCK INFILL CONCRETE 1:2:4; MIX WITH ¾" MAX.
AGGREGATE. HOLLOW BLOCKS TO BE INFILLED IN 24"
LIFTS AND TAMPED WITH A SMOOTH ROD.
5. INSITU REINFORCED CONCRETE 28 DAY STRENGTHS
FOUNDATIONS AND GRADE SLABS - 4000 p.s.i.
SUPERSTRUCTURE - 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT:
SLABS & BEAMS - 1½"
COLUMN - 1½"
FOUNDATIONS - 2"
BACKFILLED FACE OF RETAINING WALL - 2".
7. ALL ENGINEERED BACKFILL IS TO BE APPROVED,
GRADED FILL AND IS TO BE FREE FROM ALL
VEGETATION AND CLAY LUMPS, - TO BE COMPACTED IN
8" LAYERS TO 90% MINIMUM VECTOR DENSITY
UNLESS NOTED OTHERWISE, UNCONTROLLED BACKFILL
TO BE COMPACTED IN 8" LAYERS ALSO.
8. LOCATIONS OF CONSTRUCTION JOINTS TO BE
AGREED WITH CONTRACTOR AT CONSTRUCTION.



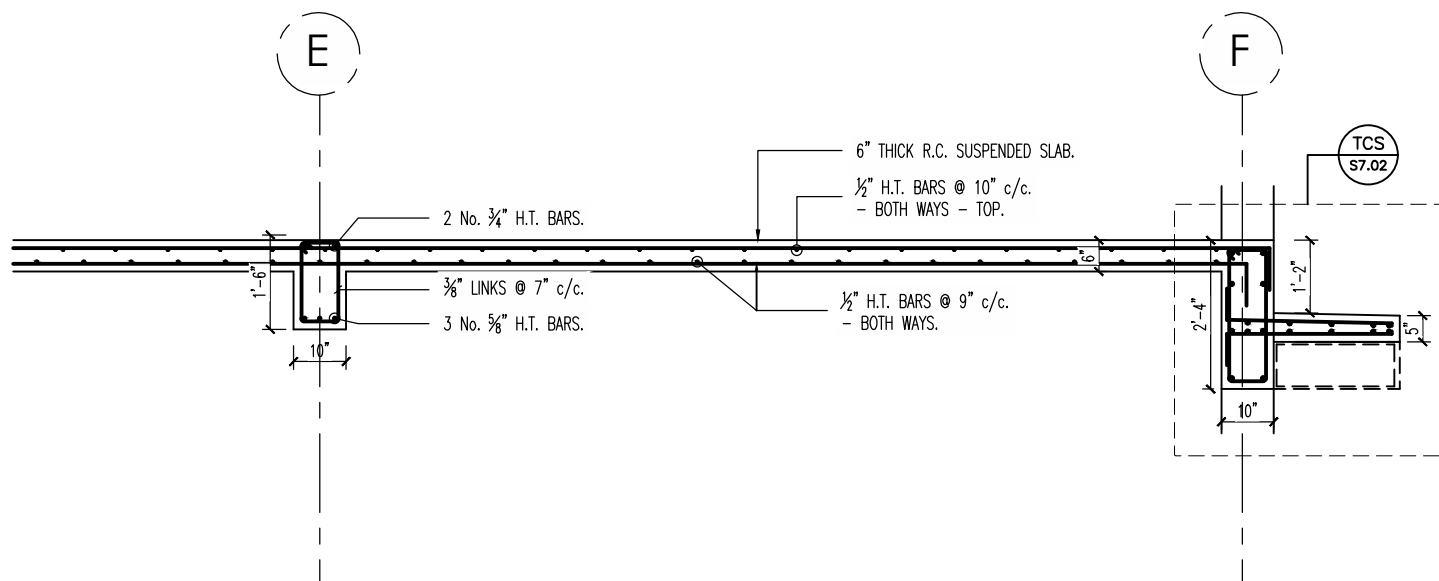
REVISIONS NOTES			
No.	BY:	DATE	REVISION NOTES

1. DIMENSIONS SHOULD NOT BE
SCALED FROM DRAWINGS.

DATE DEC 2019		PROJECT NO. --	
SCALE AS SHOWN		SHEET NO. S3.01	
DRAWN J. PHIPPS			
CHECKED R. McGrath		REV. NO. --	



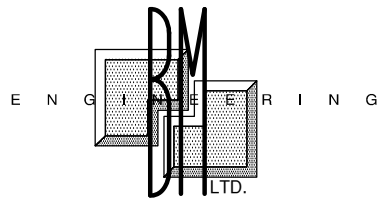
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SCALE: 1:24



SECTION 2.3 (REF. SHT. S3.00)
SCALE: 1:24

CONSTRUCTION NOTES

1. REINFORCING STEEL HIGH YIELD (410 MPa) GENERALLY. - OTHERWISE MILD STEEL (M.S.) SMOOTH BARS (250 MPa) WHERE NOTED.
2. BAR BENDING RADII - 3 X BAR DIAMETER GENERALLY. (BS4466)
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5. INSITU REINFORCED CONCRETE 28 DAY STRENGTHS FOUNDATIONS AND GRADE SLABS - 4000 p.s.i. SUPERSTRUCTURE - 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT:
SLABS & BEAMS - 1 1/2"
COLUMN - 1 1/2"
FOUNDATIONS - 2"
BACKFILLED FACE OF RETAINING WALL - 2".
7. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. - TO BE COMPACTED IN 8" LAYERS TO 98% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
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9. CONCRETE ELEMENTS TO BE WATER PROOFED AS FOLLOWS:
a. ROOF SLABS & INTERNAL RETAINING WALLS TO HAVE XYPEX ADDITIVE IN CONCRETE.
b. CHASES & RECESSES IN WALLS
10. NO HORIZONTAL CHASES ARE PERMITTED IN MASONRY WALLS, HORIZONTAL PIPING OR CONDUITS MAY BE RUN IN CONCRETE BEAMS OR FLOORS.
11. CONDUITS, PIPES AND SLEEVES IN MASONRY SHOULD HAVE A MINIMUM CLEAR SPACING OF 2 DIAMETERS APART.



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K. J. CASSELL CONSULTANTS LTD Box 313
• Architects • Gerardo
• Engineers • Montserrat
• Project Managers 664-491-2819
Kencassell@gmail.com

REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE SCALED FROM DRAWINGS.

PROJECT
**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTSERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE
**GROUND FLOOR REINFORCEMENT
DETAILS II**

DATE
DEC 2019

PROJECT NO.
--

SCALE
AS SHOWN

SHEET NO.

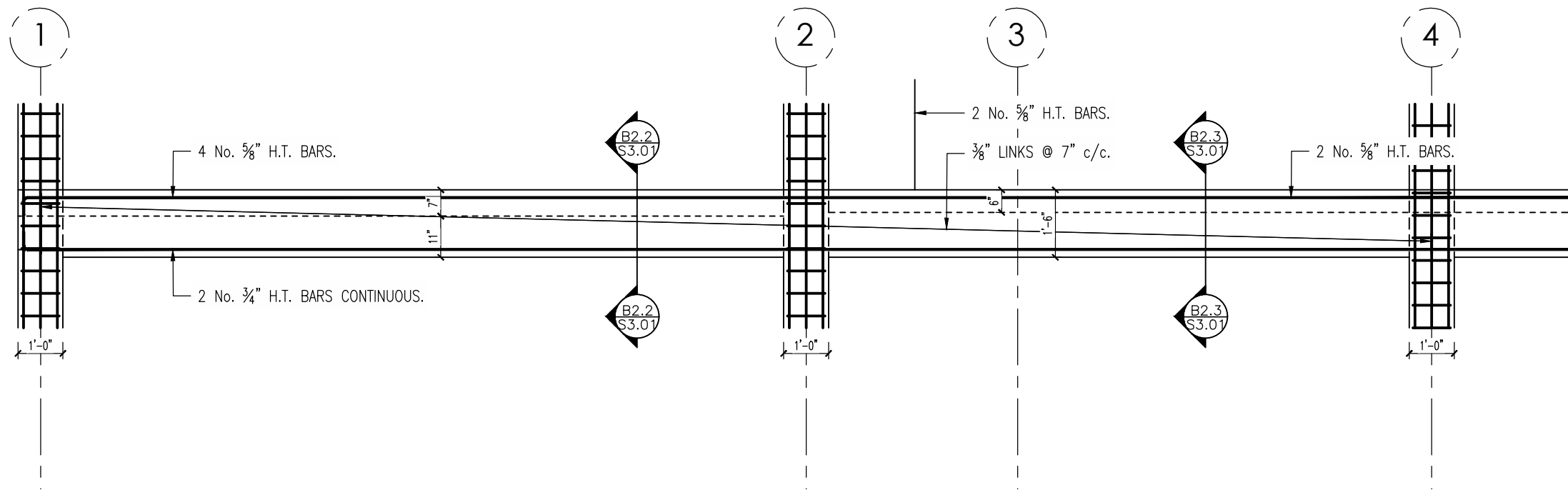
DRAWN
J. PHIPPS

S3.02

CHECKED
R. McGrath

REVISED

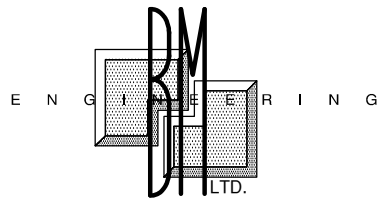
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LEVEL 2 - BEAM ELEVATION ON GRID LINE E
SCALE: 1:24

CONSTRUCTION NOTES

1. REINFORCING STEEL HIGH YIELD (410 MPa) GENERALLY. - OTHERWISE MILD STEEL (M.S.) SMOOTH BARS (250 MPa) WHERE NOTED.
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3. BLOCKWORK TO BE CONSTRUCTED OF MIN. 1500 p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90 AND PLACED IN RUNNING BOND.
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5. INSTU REINFORCED CONCRETE 28 DAY STRENGTHS FOUNDATIONS AND GRADE SLABS - 4000 p.s.i. SUPERSTRUCTURE - 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT:
SLABS & BEAMS - 1 1/2"
COLUMN - 1 1/2"
FOUNDATIONS - 2"
BACKFILLED FACE OF RETAINING WALL - 2".
7. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. - TO BE COMPACTED IN 8" LAYERS TO 98% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
8. LOCATIONS OF CONSTRUCTION JOINTS TO BE AGREED WITH CONTRACTOR AT CONSTRUCTION.
9. CONCRETE ELEMENTS TO BE WATER PROOFED AS FOLLOWS:
a. ROOF SLABS & INTERNAL RETAINING WALLS TO HAVE XYPEX ADDITIVE IN CONCRETE.
10. CHASES & RECESSES IN WALLS
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b. CONDUITS, PIPES AND SLEEVES IN MASONRY SHOULD HAVE A MINIMUM CLEAR SPACING OF 2 DIAMETERS APART.



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K. J. CASSELL CONSULTANTS LTD Box 313
• Architects • Gerardo
Montserrat
• Engineers 664-491-2819
• Project Managers Kencassel@gmail.com

REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE SCALED FROM DRAWINGS.

PROJECT
**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE

GROUND FLOOR REINFORCEMENT
DETAILS III

DATE

DEC 2019

PROJECT NO.

--

SCALE

AS SHOWN

SHEET NO.

S3.03

DRAWN

J. PHIPPS

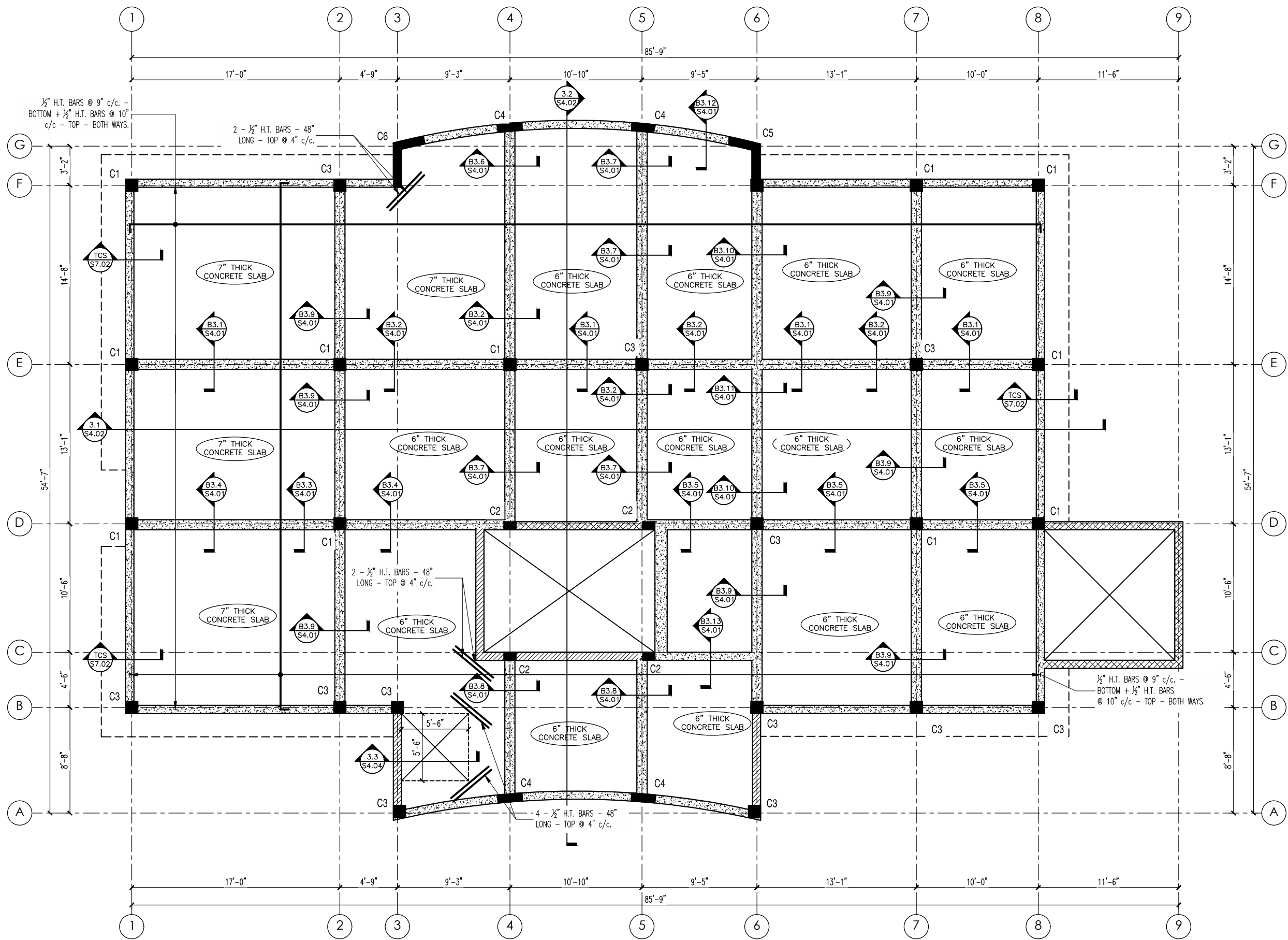
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R. McGrath

REVISED

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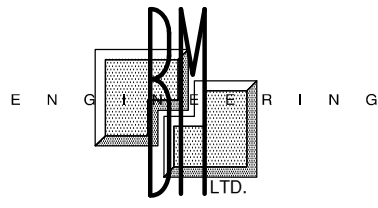
NB: SLAB BOTTOM REINFORCEMENT SPLICES TO BE LOCATED NEAT SUPPORTS. SLAB TOP REINFORCEMENT SPLICES TO BE LOCATED NEAR MIDSPAN.



FIRST FLOOR REINFORCEMENT PLAN
SCALE: 1:64

CONSTRUCTION NOTES

1. REINFORCING STEEL HIGH YIELD (410 MPa) GENERALLY. - OTHERWISE MILD STEEL (M.S.) SMOOTH BARS (250 MPa) WHERE NOTED.
2. BAR BENDING RADII - 3 X BAR DIAMETER GENERALLY. (BS4466)
3. BLOCKWORK TO BE CONSTRUCTED OF MIN. 1500 p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90 AND PLACED IN RUNNING BOND.
4. BLOCK INFILL CONCRETE 1:2:4: MIX WITH $\frac{3}{8}$ " MAX. AGGREGATE. BLOCK WALLS TO BE INFILLED IN 24" LIFTS AND TAMPED WITH A SMOOTH ROD.
5. INSTU REINFORCED CONCRETE 28 DAY STRENGTHS FOUNDATIONS AND GRADE SLABS - 4000 p.s.i. SUPERSTRUCTURE - 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT:
SLABS & BEAMS - $1\frac{1}{2}$ "
COLUMN - $1\frac{1}{2}$ "
FOUNDATIONS - 2"
BACKFILLED FACE OF RETAINING WALL - 2".
7. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. - TO BE COMPACTED IN 8" LAYERS TO 95% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
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9. CONCRETE ELEMENTS TO BE WATER PROOFED AS FOLLOWS:
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b. CHASES & RECESSES IN WALLS
10. CHASES & RECESSES IN WALLS
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Consultants Limited.

P.O. Box 688,
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K. J. CASSELL CONSULTANTS LTD Box 319
• Architects Geraldine
• Engineers Montserrat
• Project Managers 664-491-2819
Kjcasell@gmail.com

REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE
SCALED FROM DRAWINGS.

PROJECT
**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTSERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE

FIRST FLOOR REINFORCEMENT PLAN

DATE

DEC 2019

PROJECT NO.

--

SCALE

AS SHOWN

SHEET NO.

S4.00

DRAWN

J. PHIPPS

CHECKED

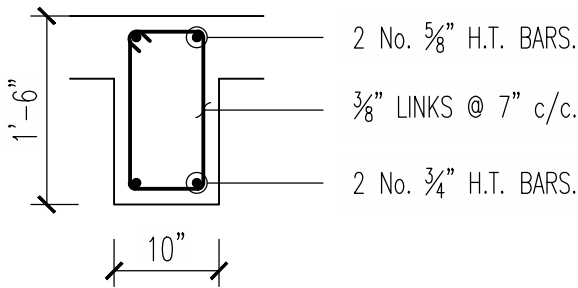
R. McGrath

REVISED

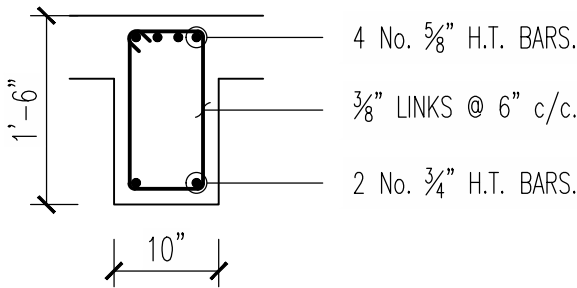
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LEGEND

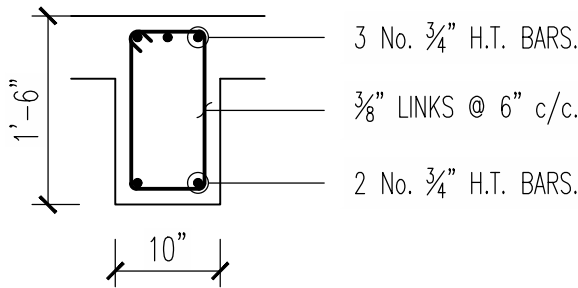
	6" THICK INSITU WALLS
	9" THICK INSITU WALLS
	8" THICK LOAD BEARING BLOCK WORK
	REINFORCE CONCRETE BEAM
	STIFFNER/COLUMN



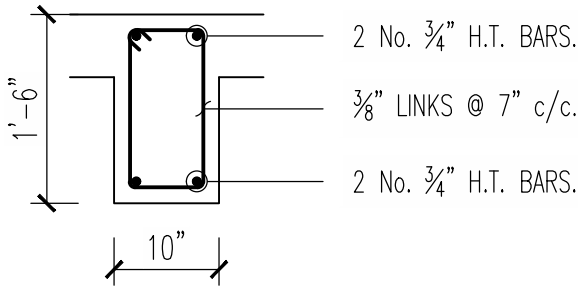
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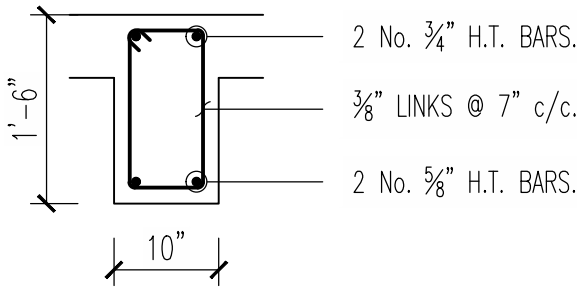
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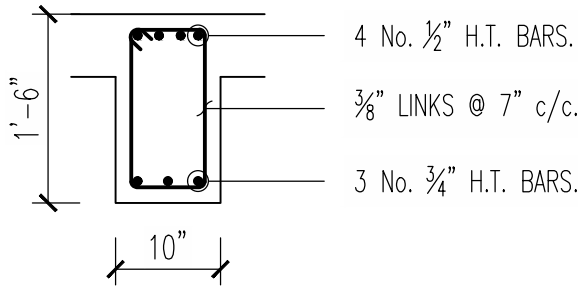
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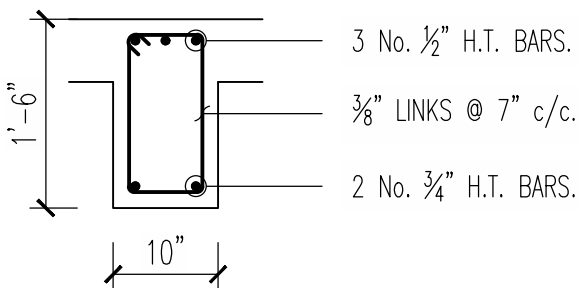
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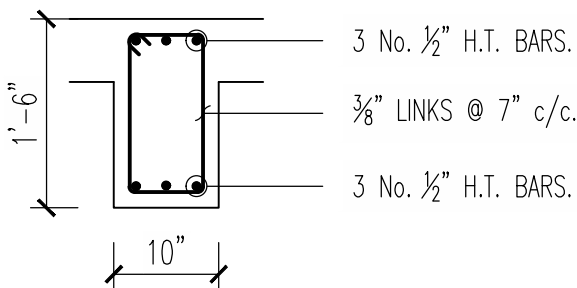
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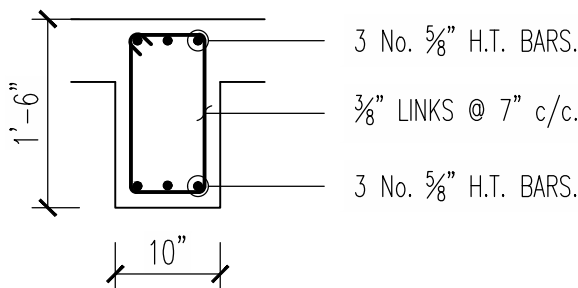
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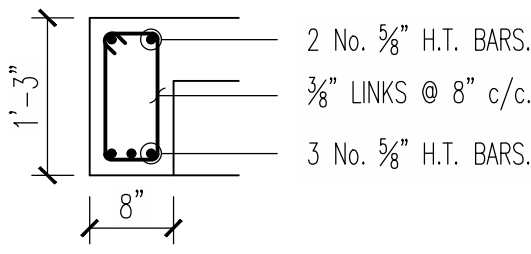
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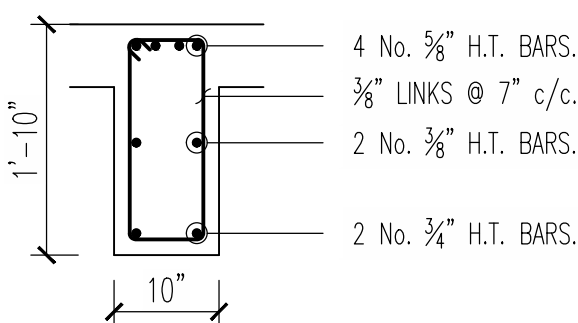
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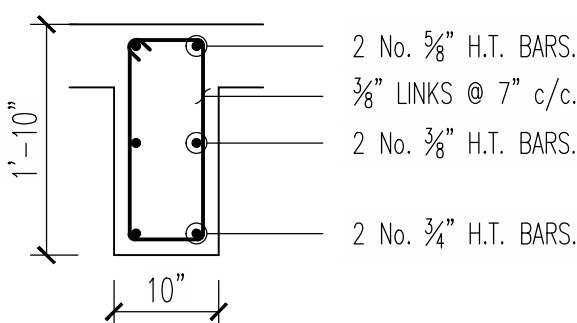
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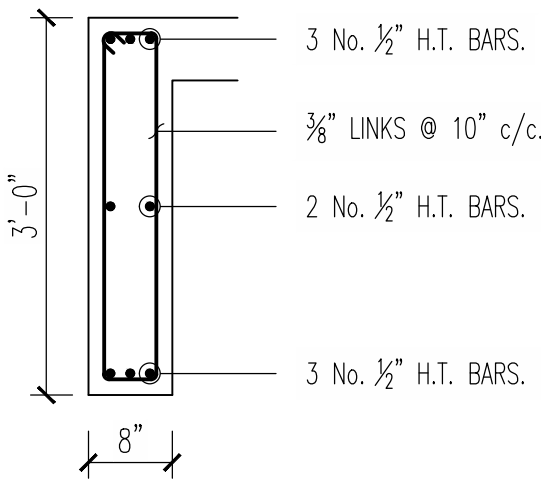
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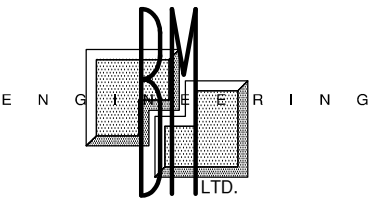
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SCALE: 1:12.



SECTION - B3.12 (REF. SHT. S4.00)
SCALE: 1:12.

CONSTRUCTION NOTES

1. REINFORCING STEEL HIGH YIELD (410 MPa)
GENERALLY. – OTHERWISE MILD STEEL (M.S.) SMOOTH BARS (250 MPa) WHERE NOTED.
2. BAR BENDING RADII – 3 X BAR DIAMETER GENERALLY. (BS4466)
3. BLOCKWORK TO BE CONSTRUCTED OF MIN. 1500 p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90 AND PLACED IN RUNNING BOND.
4. BLOCK INFILL CONCRETE 1:2:4: MIX WITH 3/4" MAX. AGGREGATE. BLOCK WALLS TO BE INFILLED IN 24" LIFTS AND TAMPED WITH A SMOOTH ROD.
5. INSTITU REINFORCED CONCRETE 28 DAY STRENGTHS
FOUNDATIONS AND GRADE SLABS – 4000 p.s.i.
SUPERSTRUCTURE – 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT:
SLABS & BEAMS – 1 1/2"
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FOUNDATIONS – 2"
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7. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. – TO BE COMPACTED IN 8" LAYERS TO 95% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
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Montserrat
• Engineers 664-491-2819
• Project Managers Kencassel@gmail.com

REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE
SCALED FROM DRAWINGS.

PROJECT

**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTERRAT**

CLIENT

**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE

FIRST FLOOR REINFORCEMENT
DETAILS I

DATE

DEC 2019

PROJECT NO.

--

SCALE

AS SHOWN

SHEET NO.

S4.01

DRAWN

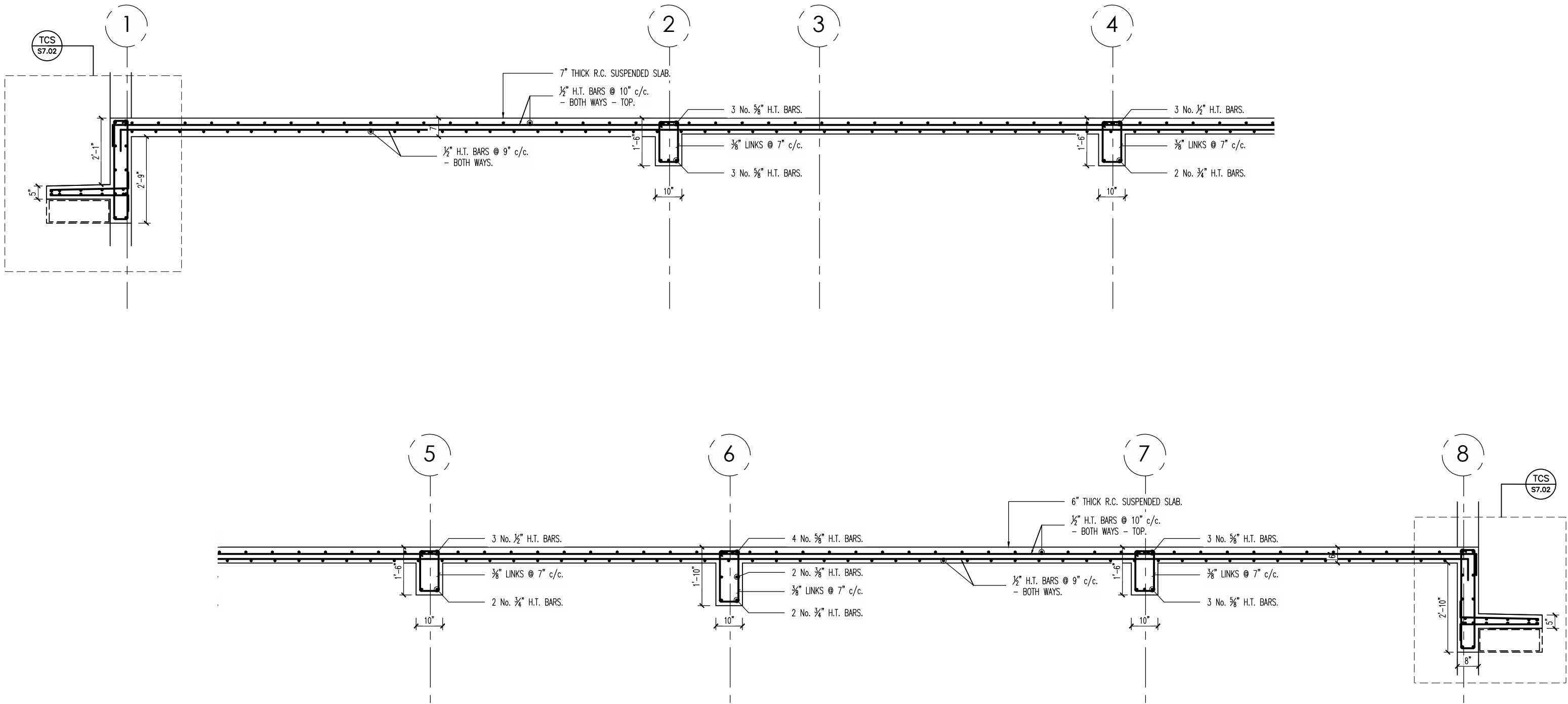
J. PHIPPS

CHECKED

R. McGrath

REVISED

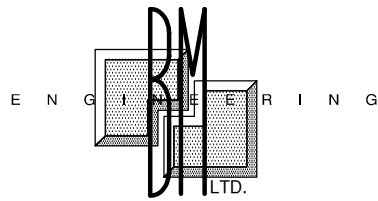
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SECTION 3.1 (REF. SHT. S4.00)
SCALE: 1:24

CONSTRUCTION NOTES

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3. BLOCKWORK TO BE CONSTRUCTED OF MIN. 1500 p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90 AND PLACED IN RUNNING BOND.
4. BLOCK INFILL CONCRETE 1:2:4 MIX WITH 3/8" MAX. AGGREGATE. BLOCK WALLS TO BE INFILLED IN 24" LIFTS AND TAMPED WITH A SMOOTH ROD.
5. INSITU REINFORCED CONCRETE 28 DAY STRENGTHS FOUNDATIONS AND GRADE SLABS - 4000 p.s.i. SUPERSTRUCTURE - 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT:
SLABS & BEAMS - 1 1/2"
COLUMN - 1 1/2"
FOUNDATIONS - 2"
BACKFILLED FACE OF RETAINING WALL - 2".
7. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. - TO BE COMPACTED IN 8" LAYERS TO 98% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
8. LOCATIONS OF CONSTRUCTION JOINTS TO BE AGREED WITH CONTRACTOR AT CONSTRUCTION.
9. CONCRETE ELEMENTS TO BE WATER PROOFED AS FOLLOWS:
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b. CONDUITS, PIPES AND SLEEVES IN MASONRY SHOULD HAVE A MINIMUM CLEAR SPACING OF 2 DIAMETERS APART.



Brisbane, McGrath Engineering
Consultants Limited.
P.O. Box 688,
Princes Street, Basseterre,
St. Kitts, West Indies

K. J. CASSELL CONSULTANTS LTD Box 313
• Architects Gerald Montserrat
• Engineers 664-491-2819
• Project Managers Kencassell@gmail.com

REVISIONS NOTES

REVISION NOTES

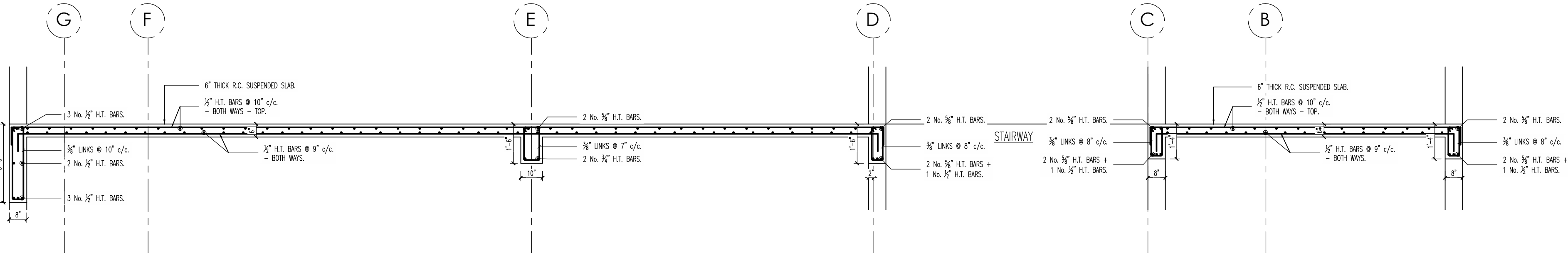
DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE
SCALED FROM DRAWINGS.



SECTION 3.2 (REF. SHT. S4.00)
SCALE: 1:24

PROJECT

**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTSERRAT**

CLIENT

**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE

**FIRST FLOOR REINFORCEMENT
DETAILS II**

DATE

DEC 2019

PROJECT NO.

--

SCALE

AS SHOWN

SHEET NO.

S4.02

DRAWN

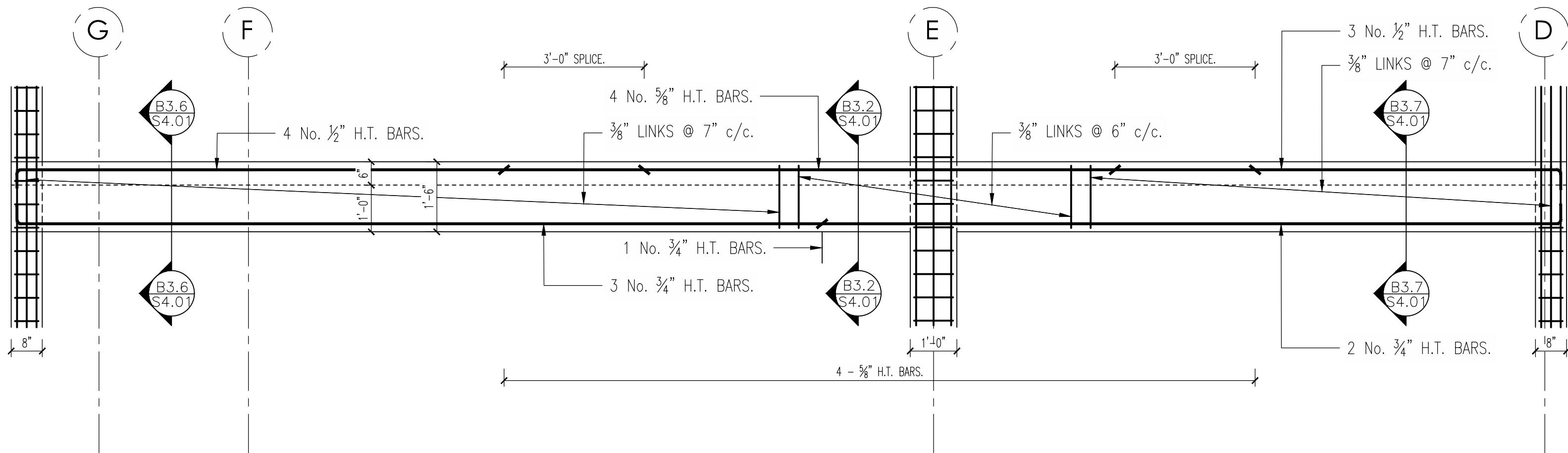
J. PHIPPS

CHECKED

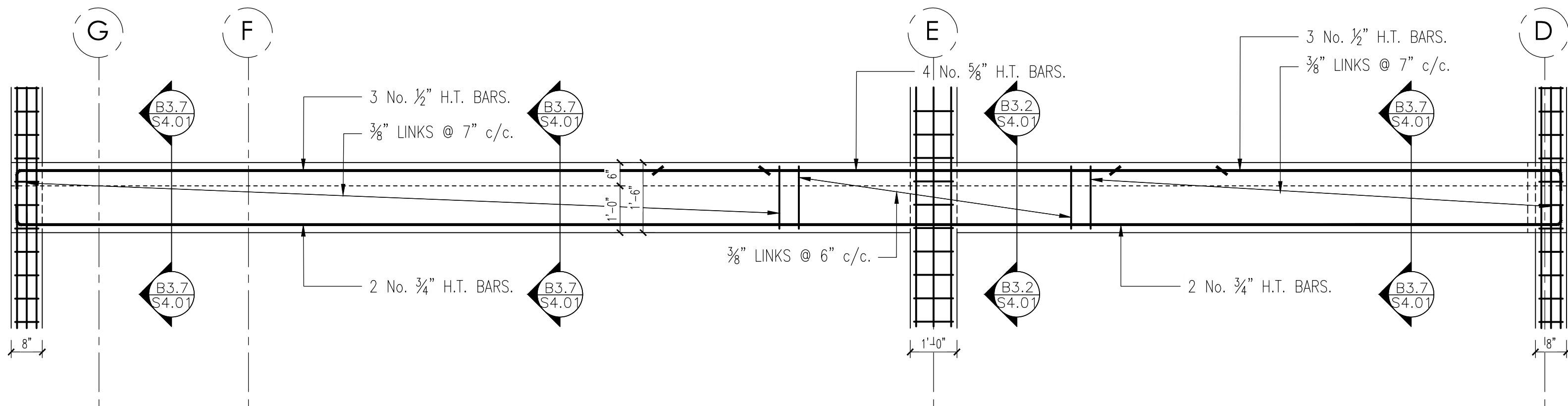
R. McGrath

REVIEW

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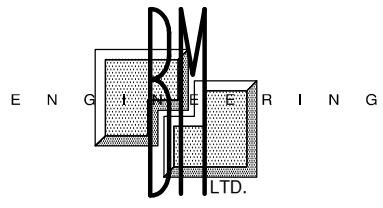
LEVEL 3 - BEAM ELEVATION ON GRID LINE 4
SCALE: 1:16



LEVEL 3 - BEAM ELEVATION ON GRID LINE 5
SCALE: 1:16

CONSTRUCTION NOTES

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Kjcasell@gmail.com

REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE SCALED FROM DRAWINGS.

FINANCIAL SERVICES COMMISSION BUILDING, LITTLE BAY, MONTSERRAT

FINANCIAL SERVICES COMMISSION

ISSUE

BID

FIRST FLOOR REINFORCEMENT DETAILS III

DATE DEC 2019

PROJECT NO. --

SCALE AS SHOWN

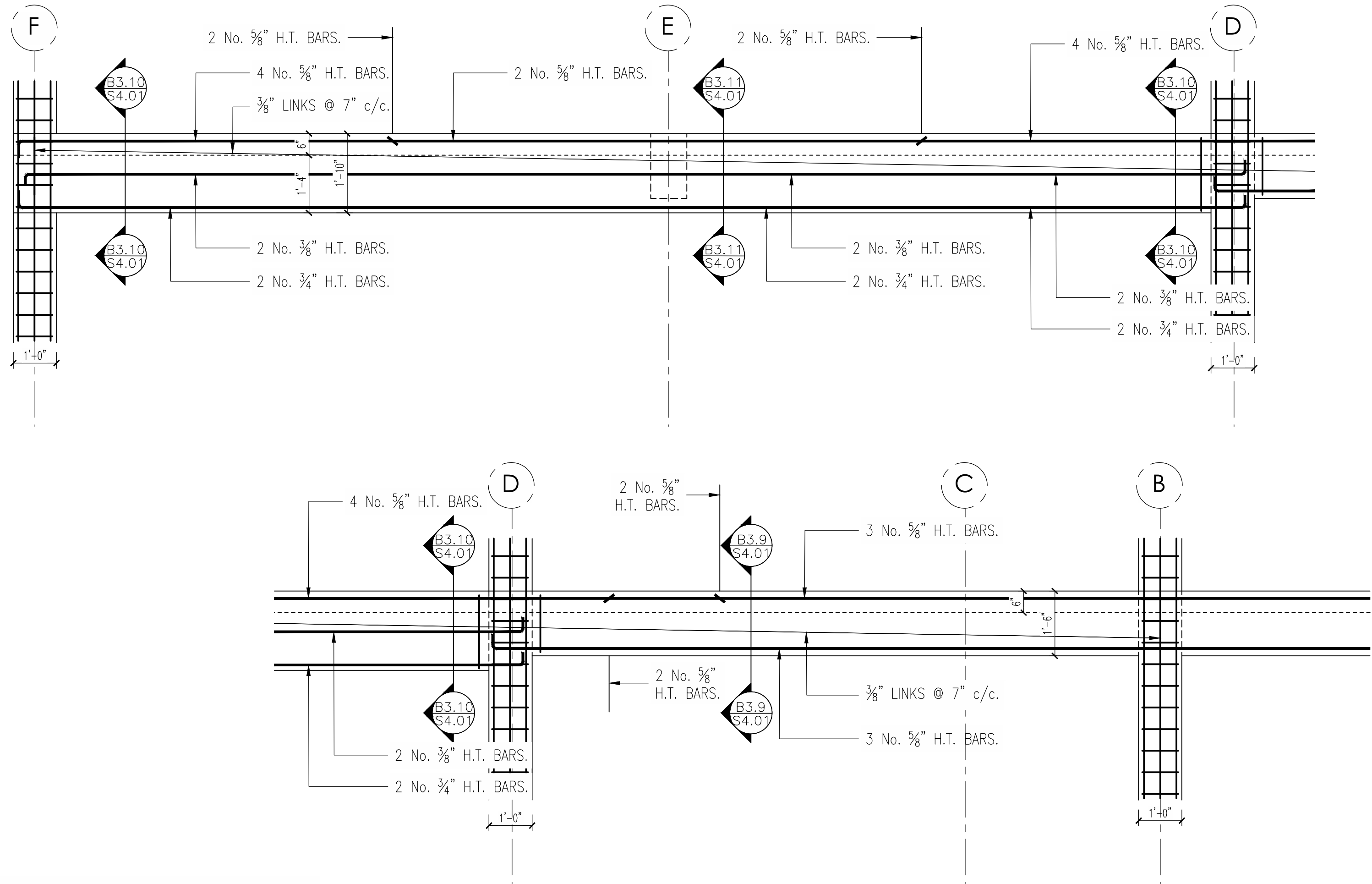
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DRAWN J. PHIPPS

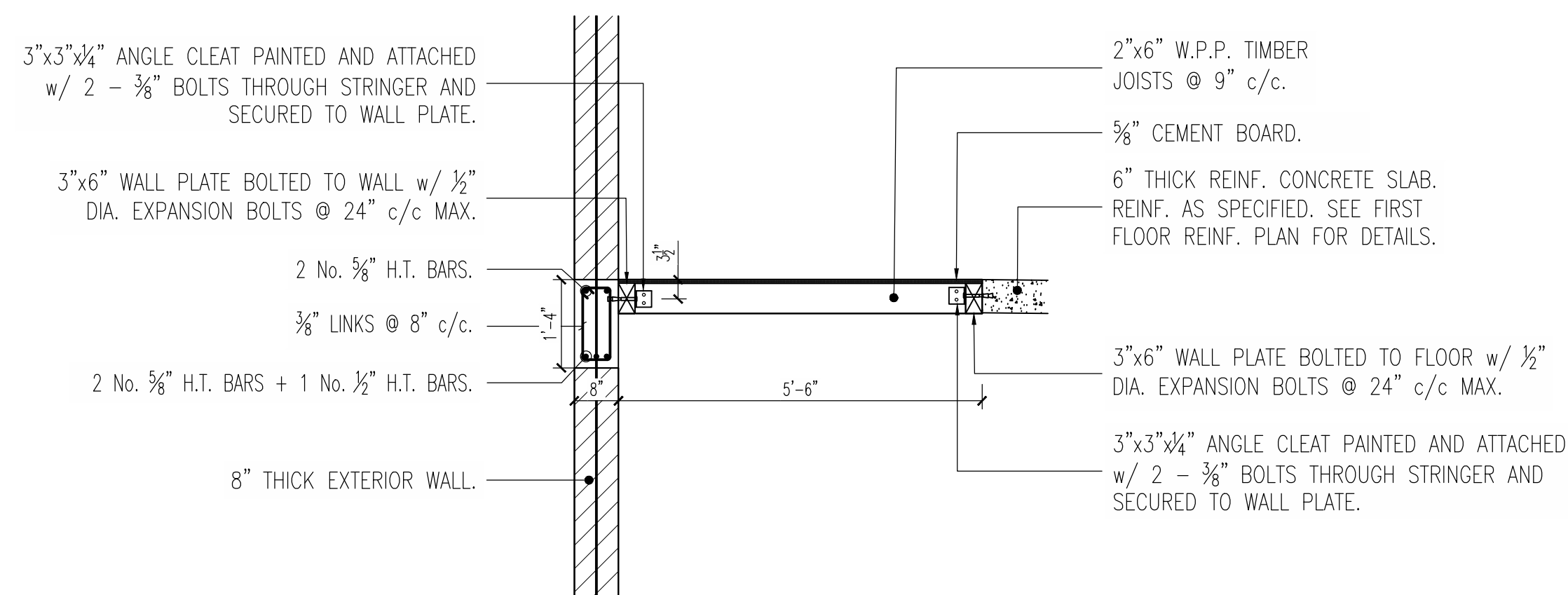
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REVISED



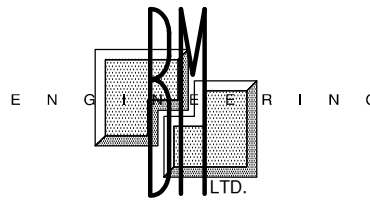
LEVEL 3 - BEAM ELEVATION ON GRID LINE 6
SCALE: 1:16



SECTION 3.3 (REF. SHT. S4.00)
SCALE: 1:16

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REVISIONS NOTES

REVISION NOTES

No.	BY:	DATE

GENERAL NOTES

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PROJECT
**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE
BID

SHEET TITLE
FIRST FLOOR REINFORCEMENT
DETAILS IV

DATE
DEC 2019

PROJECT NO.
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SCALE
AS SHOWN

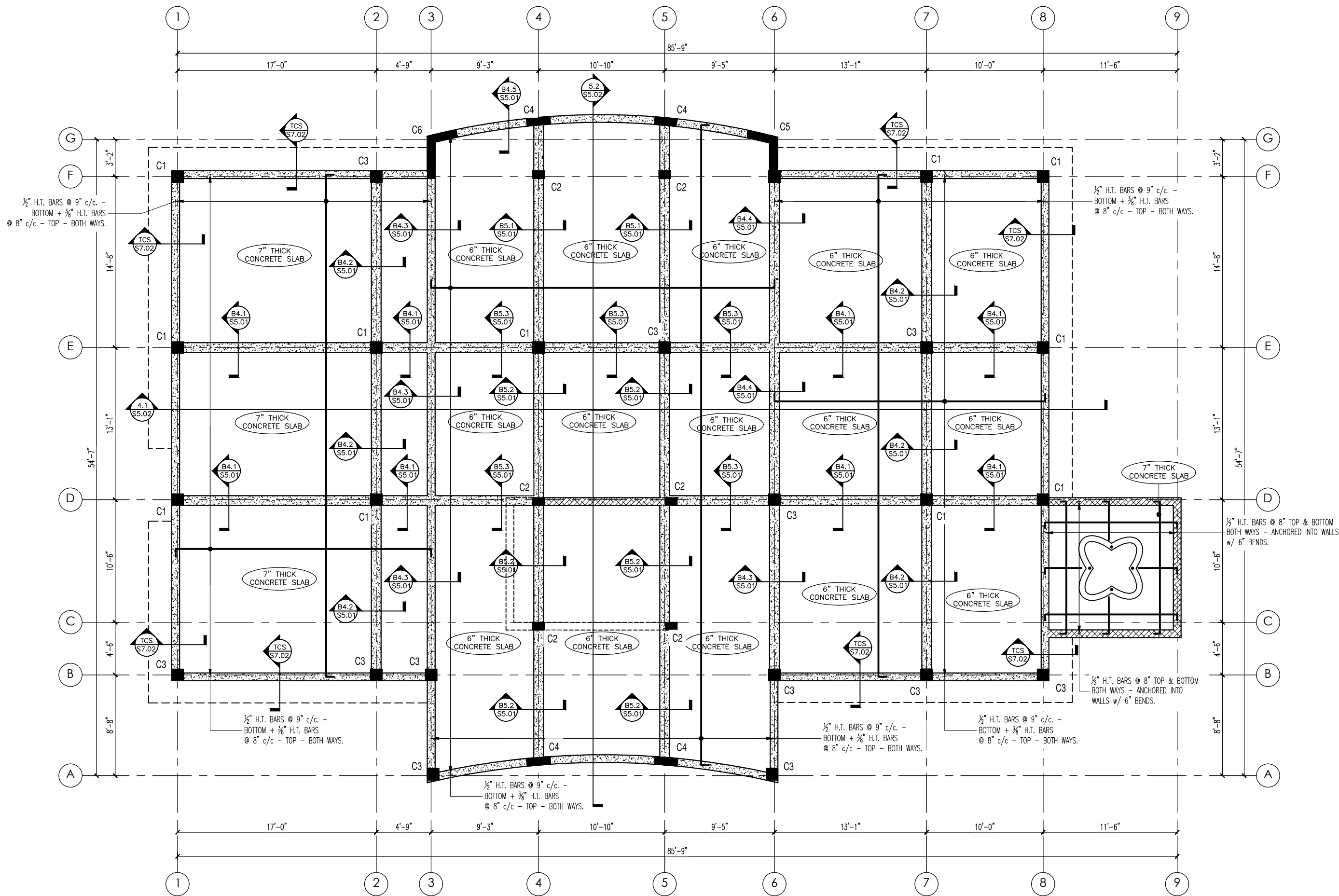
SHEET NO.
S4.04

DRAWN
J. PHIPPS

CHECKED
R. McGrath

REVIEW
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NB: SLAB BOTTOM REINFORCEMENT SPLICES TO BE LOCATED NEAT SUPPORTS. SLAB TOP REINFORCEMENT SPLICES TO BE LOCATED NEAR MIDSPAN.

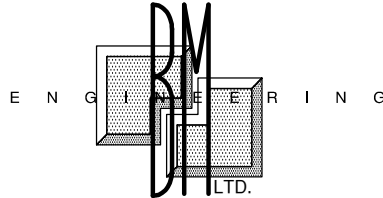


ROOF REINFORCEMENT PLAN

SCALE: 1:64

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REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE SCALED FROM DRAWINGS.

PROJECT
FINANCIAL SERVICES COMMISSION BUILDING, LITTLE BAY, MONTERRAT

CLIENT
FINANCIAL SERVICES COMMISSION

ISSUE

BID

SHEET TITLE

ROOF REINFORCEMENT PLAN

DATE
DEC 2019

PROJECT NO.
--

SCALE
AS SHOWN

SHEET NO.
S5.00

DRAWN
J. PHIPPS

CHECKED
R. McGrath

REVISION
--

LEGEND



8" THICK INSITU WALLS



9" THICK INSITU WALLS



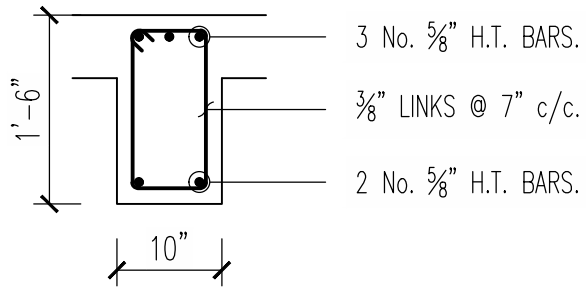
8" THICK LOAD BEARING BLOCK WORK



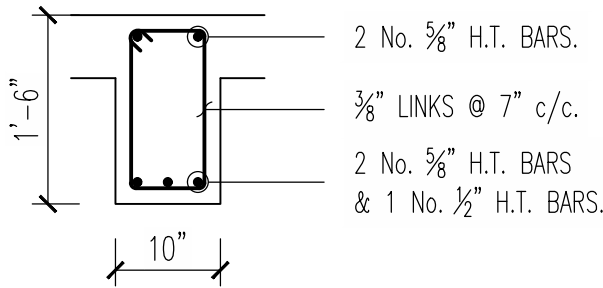
REINFORCE CONCRETE BEAM



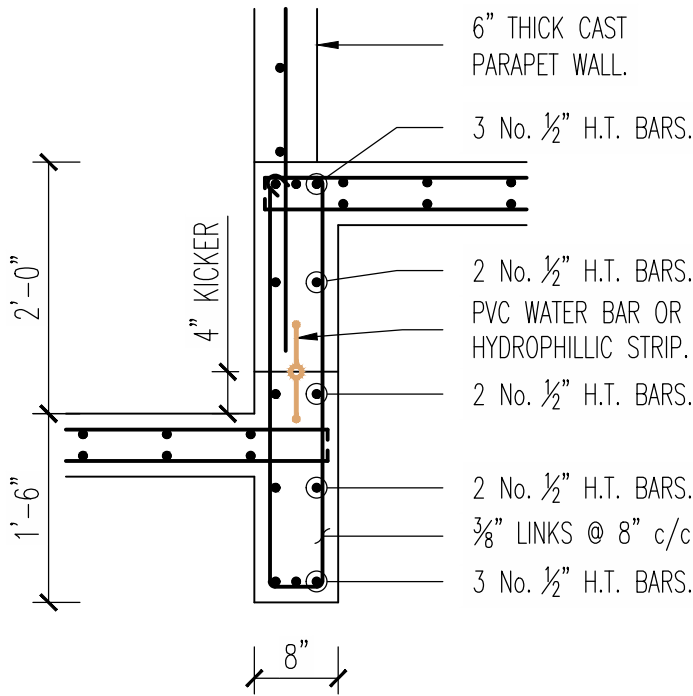
STIFFNER/COLUMN



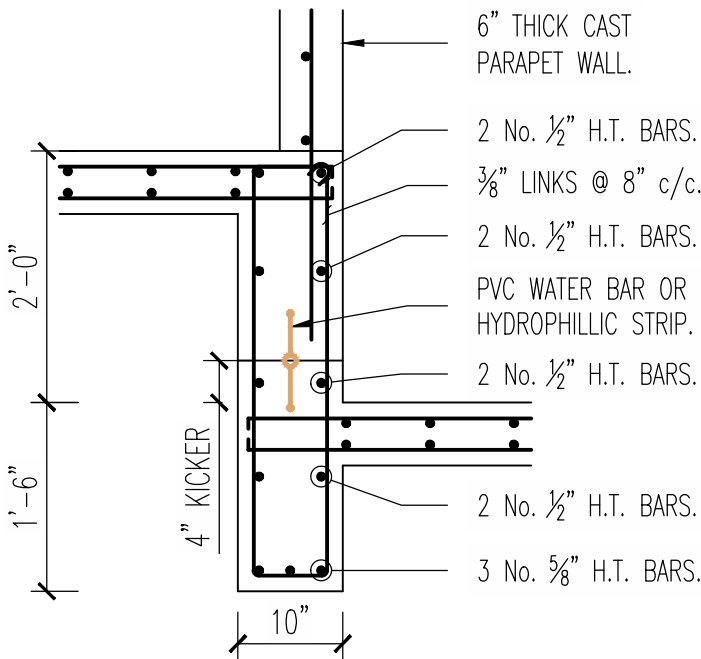
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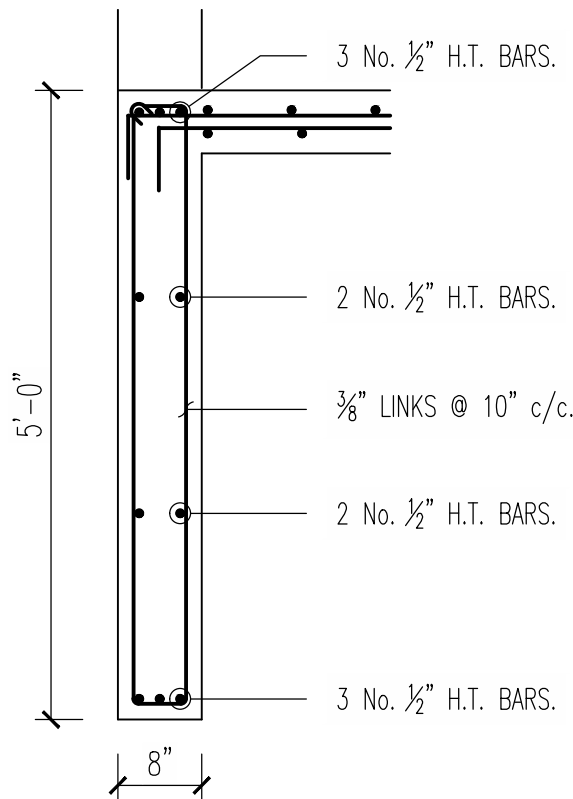
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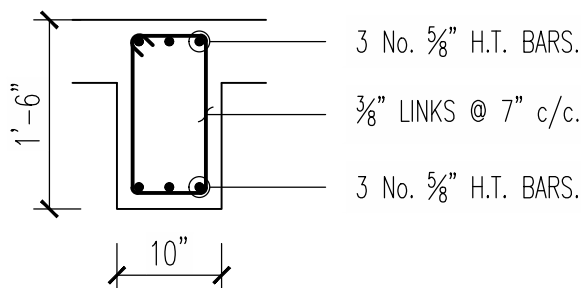
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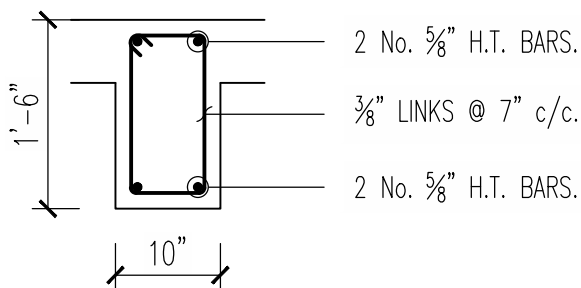
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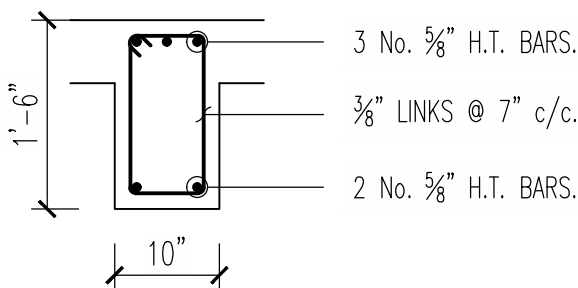
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SECTION - B5.1 (REF. SHT. S5.00)
SCALE: 1:12.



SECTION - B5.2 (REF. SHT. S5.00)
SCALE: 1:12.

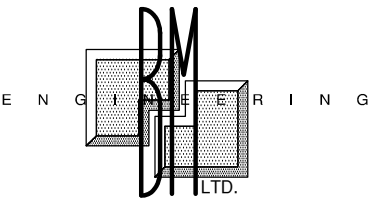


SECTION - B5.3 (REF. SHT. S5.00)
SCALE: 1:12.

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REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE
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PROJECT
**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE

ROOF REINFORCEMENT DETAILS I

DATE

DEC 2019

PROJECT NO.

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SCALE

AS SHOWN

SHEET NO.

S5.01

DRAWN

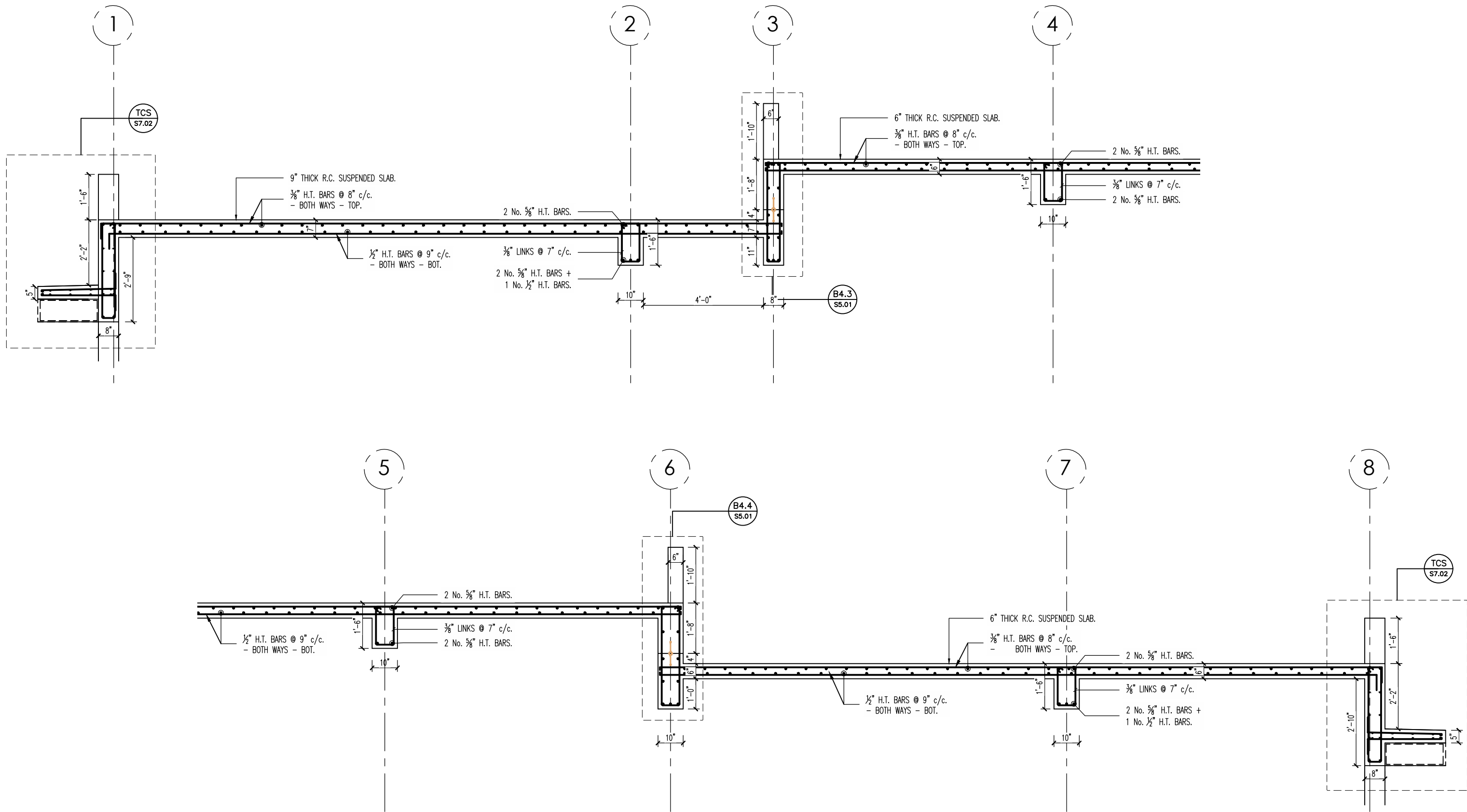
J. PHIPPS

CHECKED

R. McGrath

REVIEW

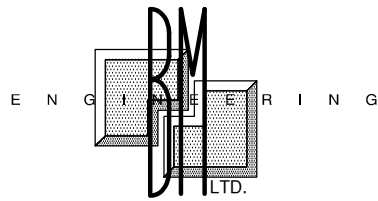
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SECTION 4.1 (REF. SHT. S5.00)
SCALE: 1:24

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REVISIONS NOTES

REVISION NOTES

DATE

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PROJECT
**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTSERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE

ROOF REINFORCEMENT DETAILS II

DATE
DEC 2019

PROJECT NO.
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SCALE
AS SHOWN

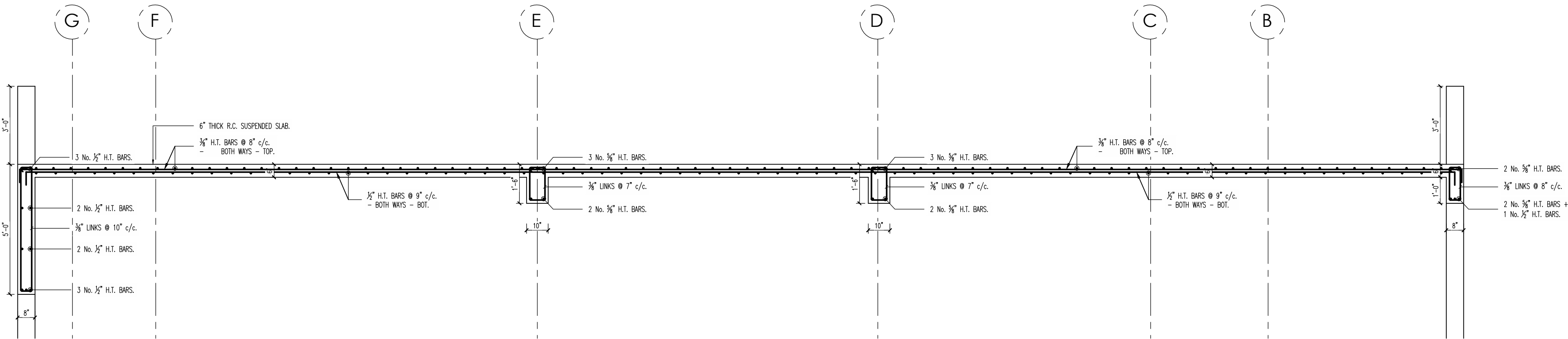
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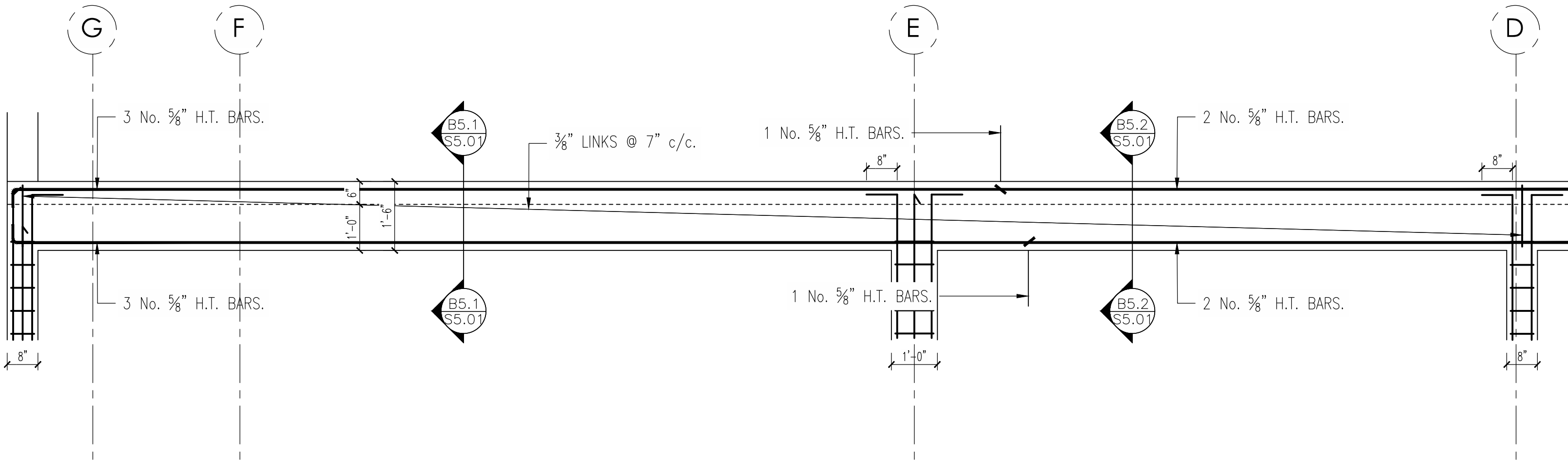
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CHECKED
R. McGrath

REVIEW
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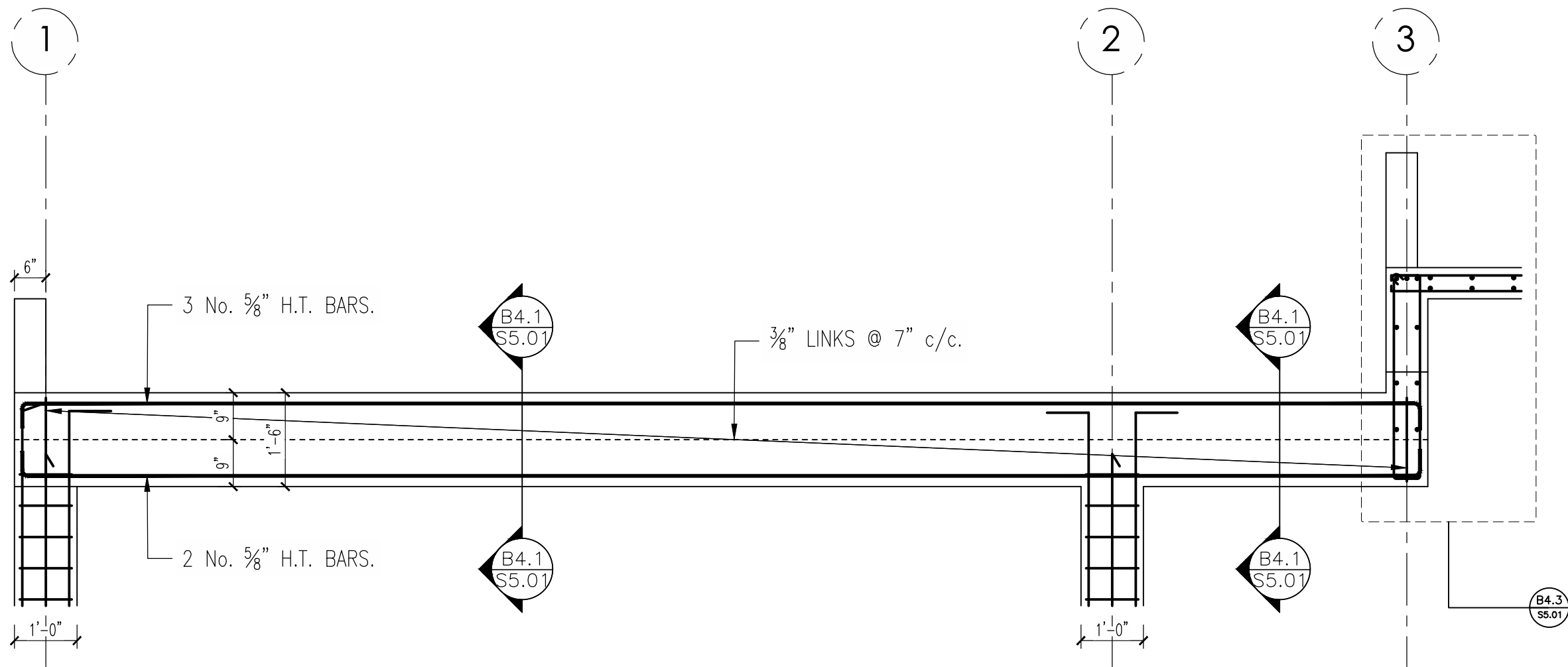


SECTION 5.2 (REF. SHT. S5.00)
SCALE: 1:24



LEVEL 5 - BEAM ELEVATION ALONG GRID LINE 5

SCALE: 1:16

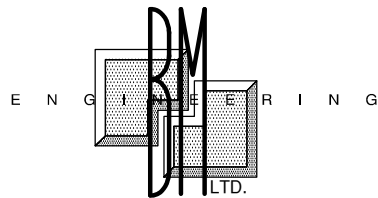


LEVEL 4 - BEAM ELEVATION ALONG GRID LINE E

SCALE: 1:16

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10. CHASES & RECESSES IN WALLS
a. NO HORIZONTAL CHASES ARE PERMITTED IN MASONRY WALLS, HORIZONTAL PIPING OR CONDUITS MAY BE RUN IN CONCRETE BEAMS OR FLOORS.
b. CONDUITS, PIPES AND SLEEVES IN MASONRY SHOULD HAVE A MINIMUM CLEAR SPACING OF 2 DIAMETERS APART.



Brisbane, McGrath Engineering Consultants Limited.

P.O. Box 688,
Princes Street, Basseterre,
St. Kitts, West Indies

K. J. CASSELL CONSULTANTS LTD Box 313
• Architects • Engineers • Project Managers
Gerald Montserrat
664-491-2819
kencassell@gmail.com

REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE SCALED FROM DRAWINGS.

PROJECT
**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTSERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE

ROOF REINFORCEMENT DETAILS III

DATE
DEC 2019

PROJECT NO.
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SCALE
AS SHOWN

SHEET NO.

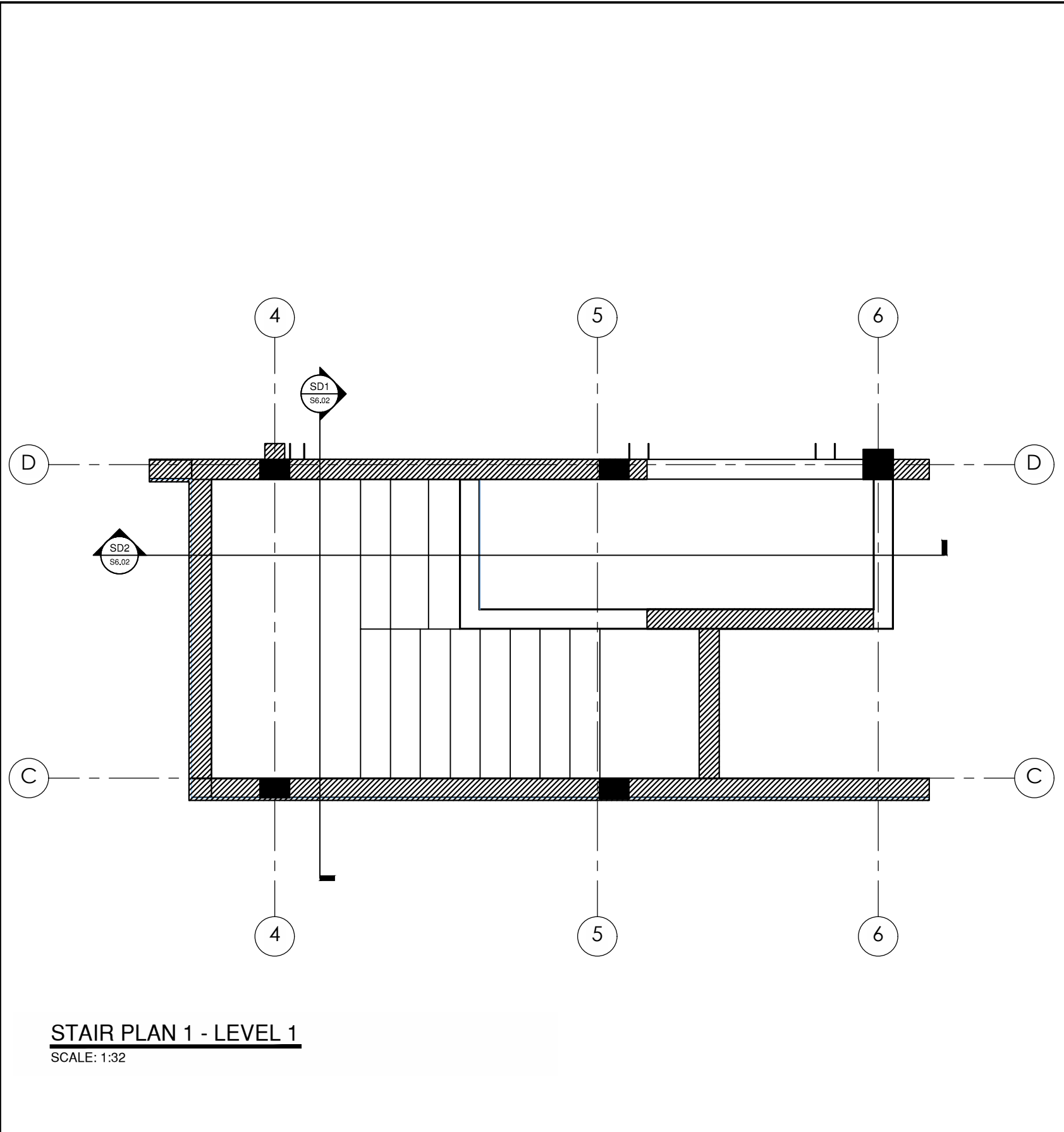
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J. PHIPPS

S5.03

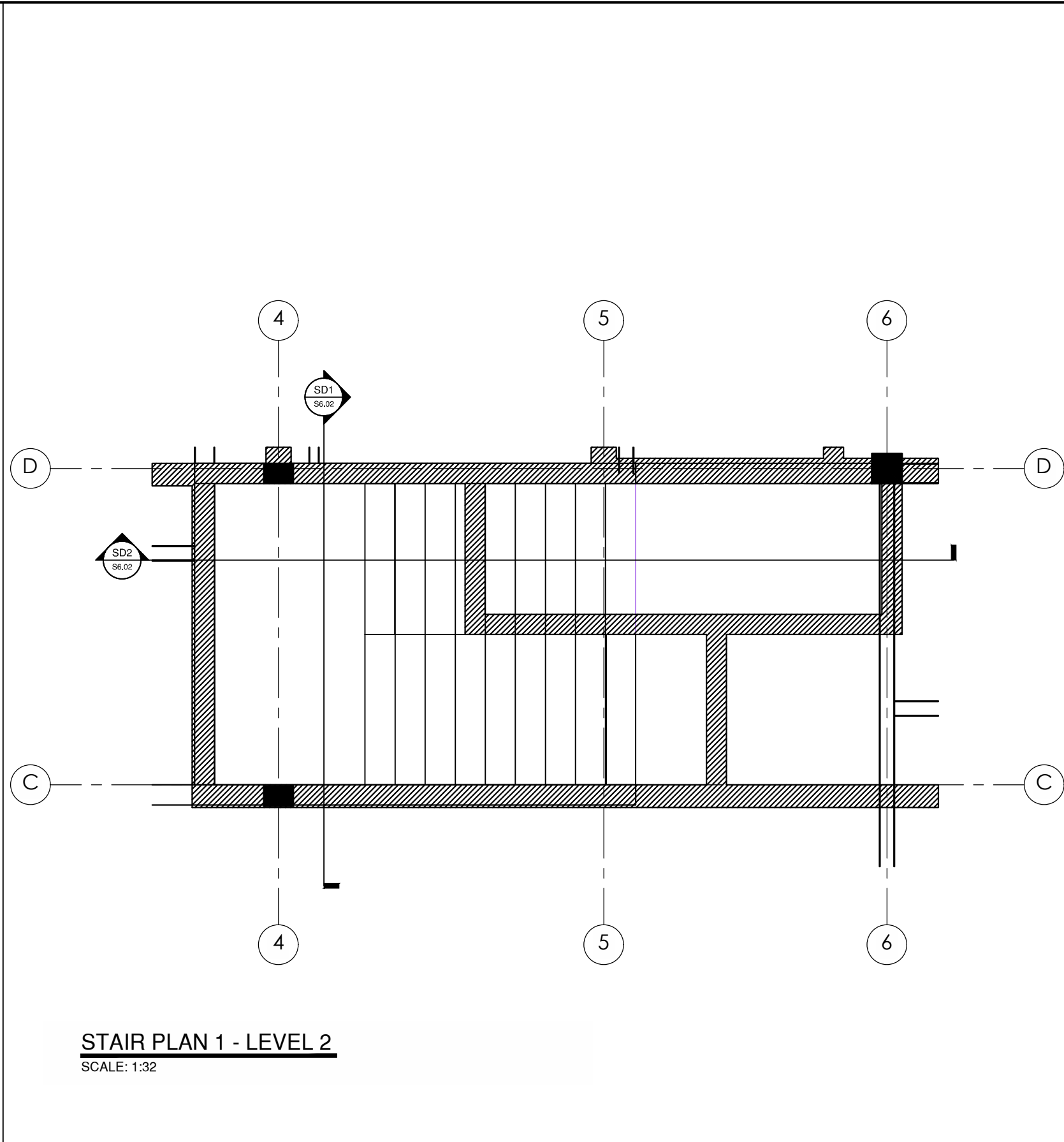
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REVIEW

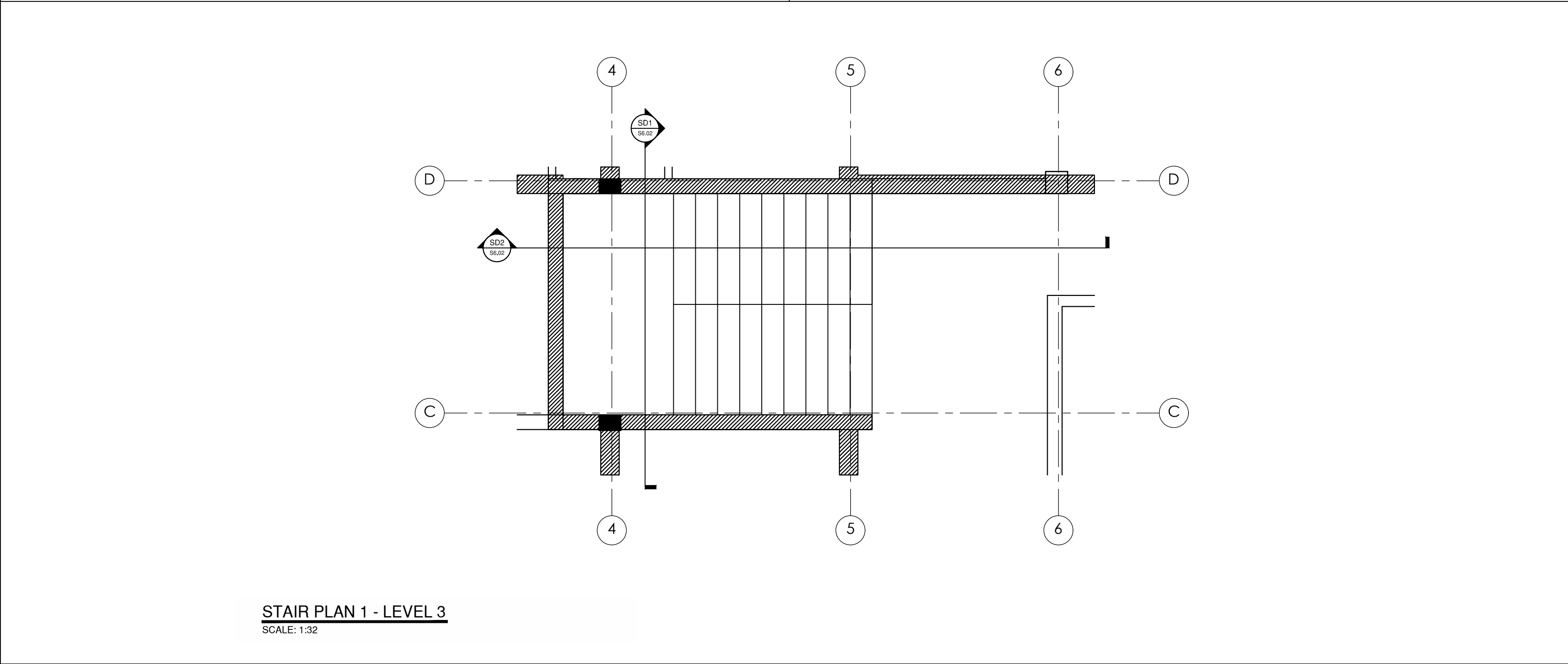
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STAIR PLAN 1 - LEVEL 1
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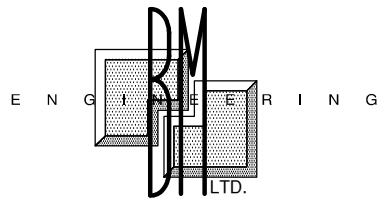
STAIR PLAN 1 - LEVEL 2
SCALE: 1:32



STAIR PLAN 1 - LEVEL 3
SCALE: 1:32

CONSTRUCTION NOTES

1. REINFORCING STEEL HIGH YIELD (410 MPa) GENERALLY. - OTHERWISE MILD STEEL (M.S.) SMOOTH BARS (250 MPa) WHERE NOTED.
2. BAR BENDING RADII - 3 X BAR DIAMETER GENERALLY. (BS4466)
3. BLOCKWORK TO BE CONSTRUCTED OF MIN. 1500 p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90 AND PLACED IN RUNNING BOND.
4. BLOCK INFILL CONCRETE 1:2:4: MIX WITH 3/8" MAX. AGGREGATE. BLOCK WALLS TO BE INFILLED IN 24" LIFTS AND TAMPED WITH A SMOOTH ROD.
5. INSITU REINFORCED CONCRETE 28 DAY STRENGTHS FOUNDATIONS AND GRADE SLABS - 4000 p.s.i. SUPERSTRUCTURE - 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT:
SLABS & BEAMS - 1 1/2"
COLUMN - 1 1/2"
FOUNDATIONS - 2"
BACKFILLED FACE OF RETAINING WALL - 2".
7. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. - TO BE COMPACTED IN 8" LAYERS TO 98% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
8. LOCATIONS OF CONSTRUCTION JOINTS TO BE AGREED WITH CONTRACTOR AT CONSTRUCTION.
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PROJECT
**FINANCIAL SERVICES
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LITTLE BAY, MONTSERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE

STAIR DETAILS I

DATE
DEC 2019

SCALE
AS SHOWN

DRAWN
J. PHIPPS

CHECKED
R. McGrath

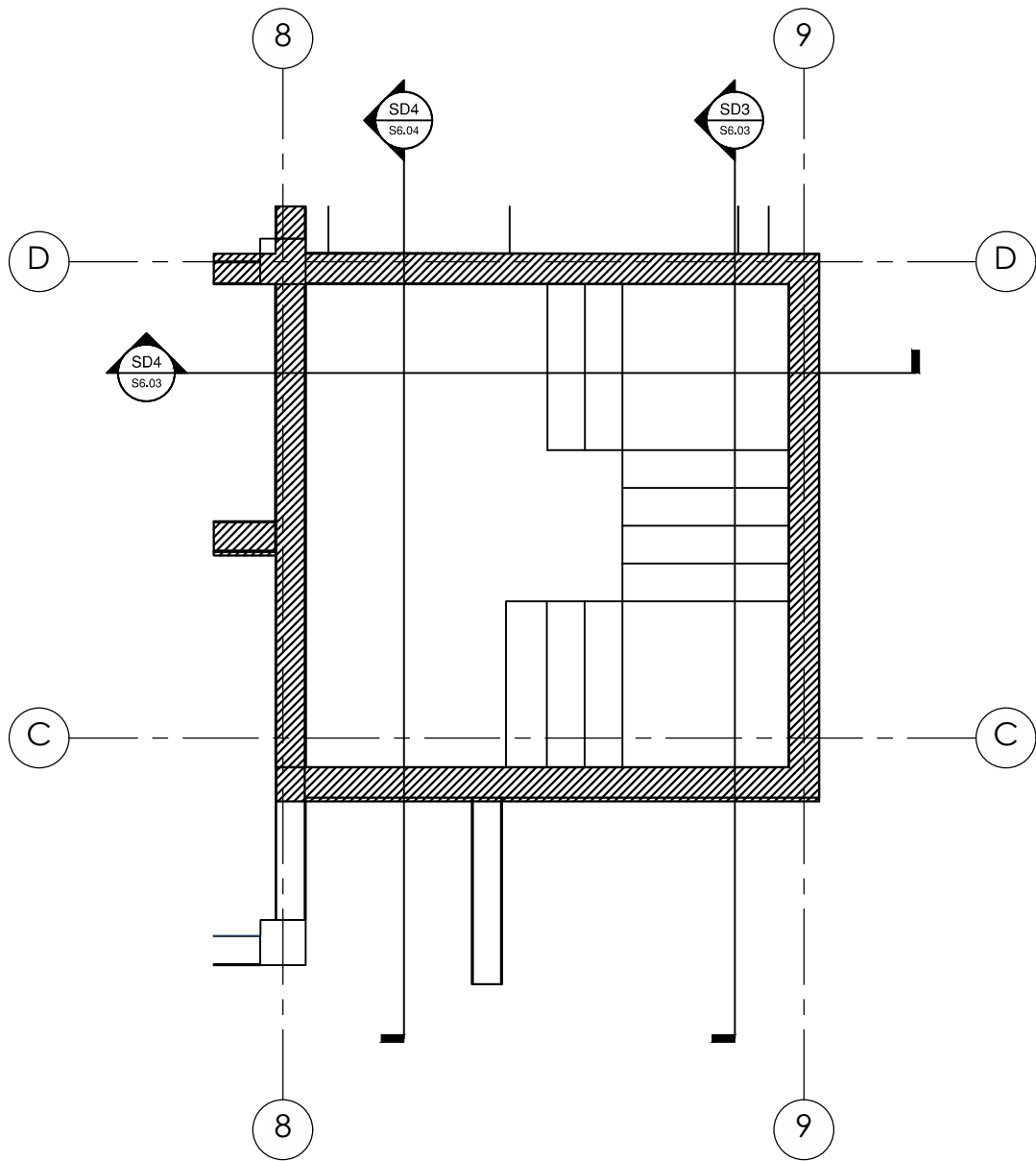
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SHEET NO.

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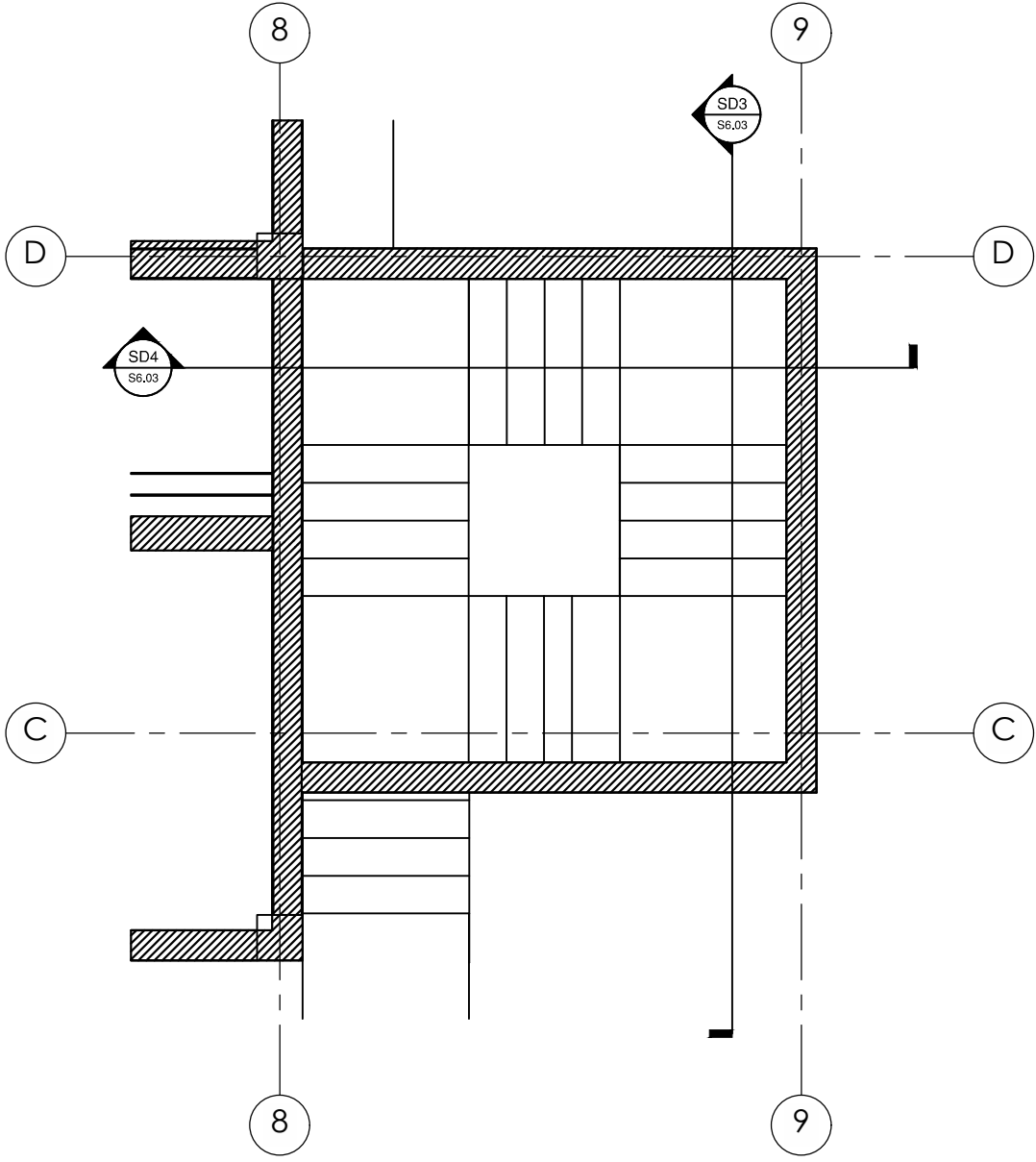
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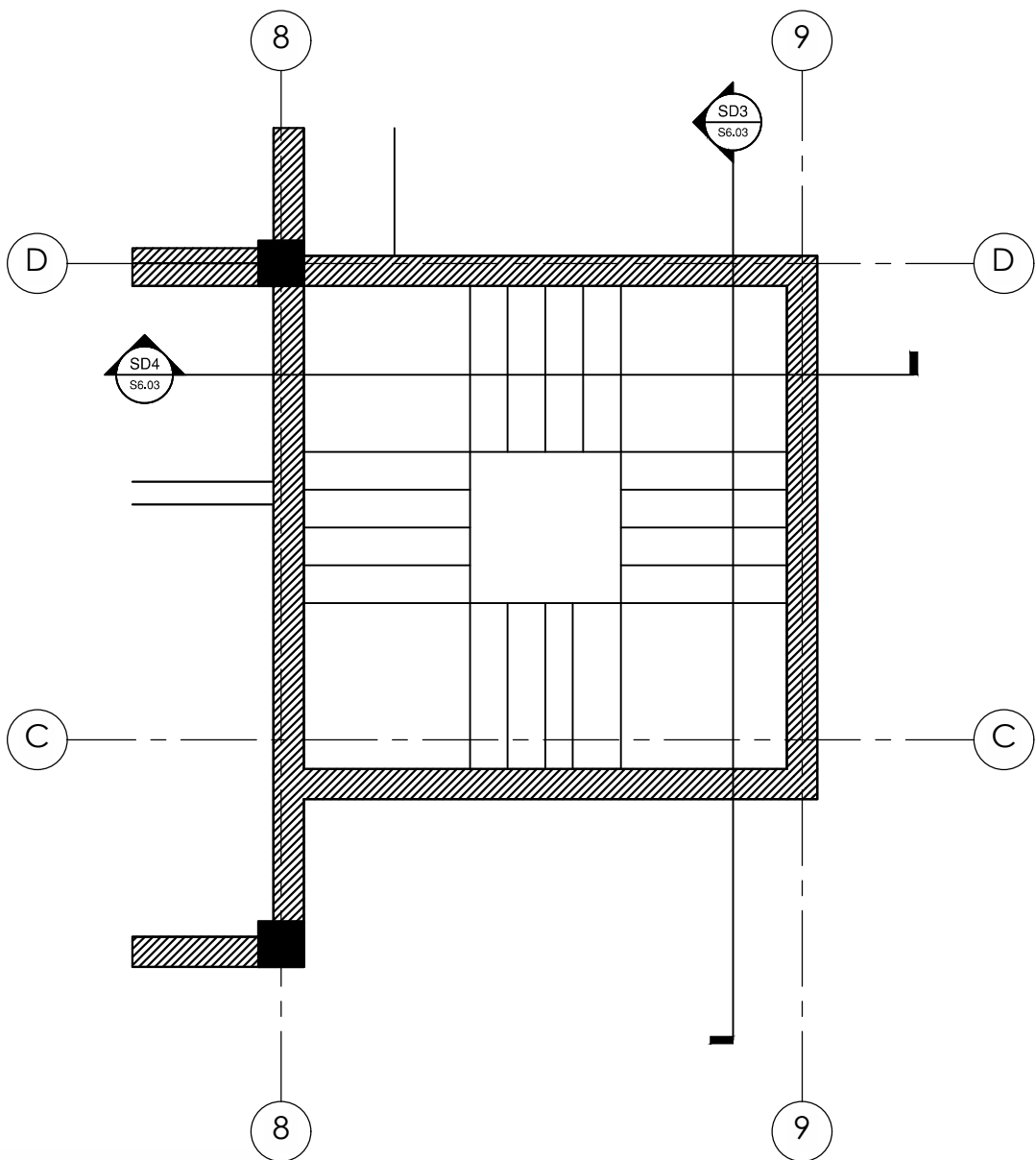
STAIR PLAN 2 - LEVEL 1

SCALE: 1:32



STAIR PLAN 2 - LEVEL 2

SCALE: 1:32

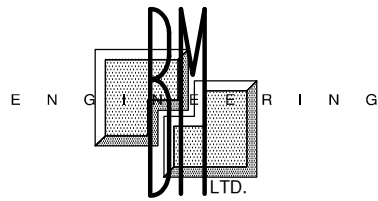


STAIR PLAN 2 - LEVEL 3

SCALE: 1:32

CONSTRUCTION NOTES

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• Project Managers kcaswell@gmail.com

REVISIONS NOTES

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LITTLE BAY, MONTSERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE

BID

SHEET TITLE
STAIR DETAILS II

DATE
DEC 2019

PROJECT NO.
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SCALE
AS SHOWN

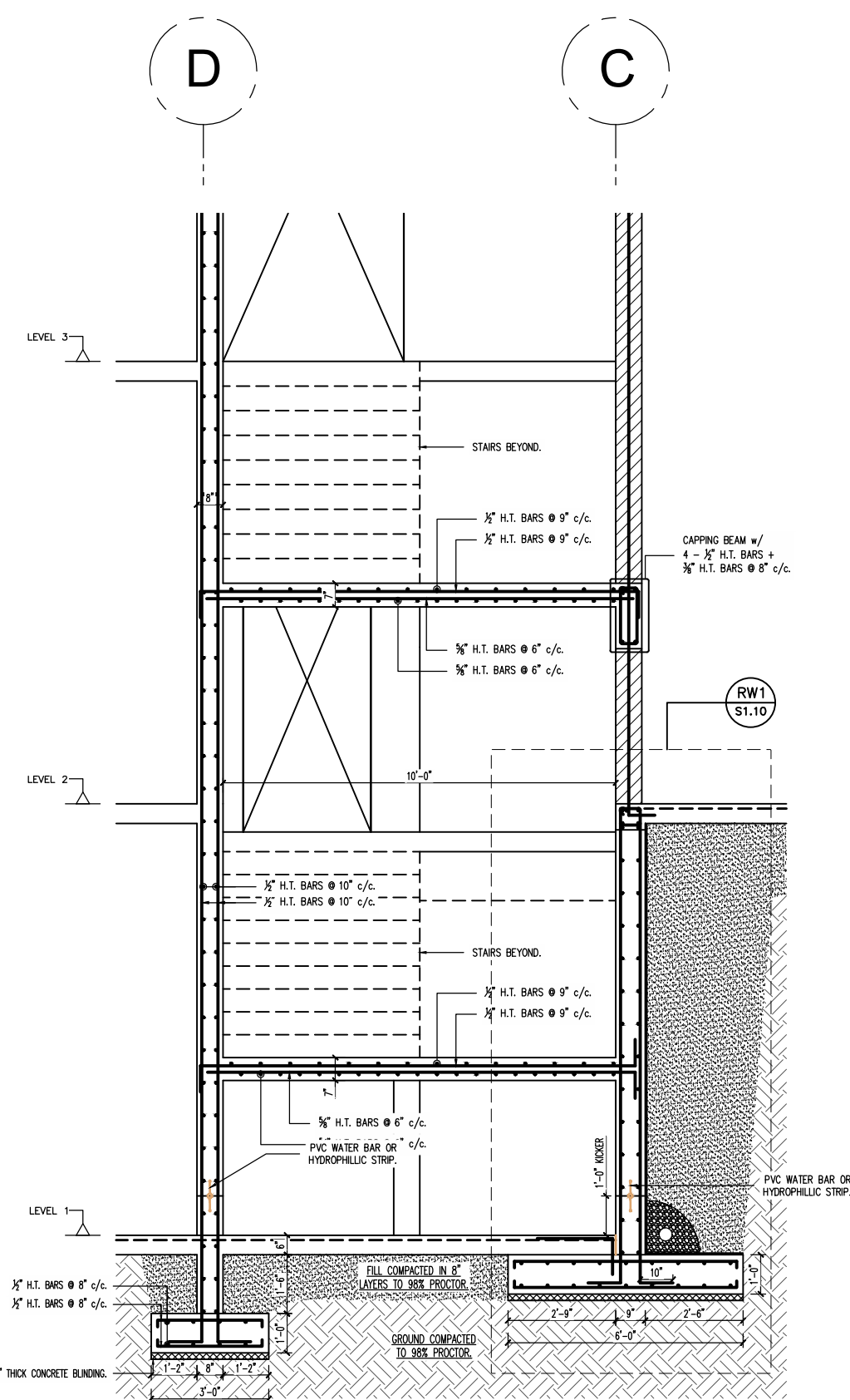
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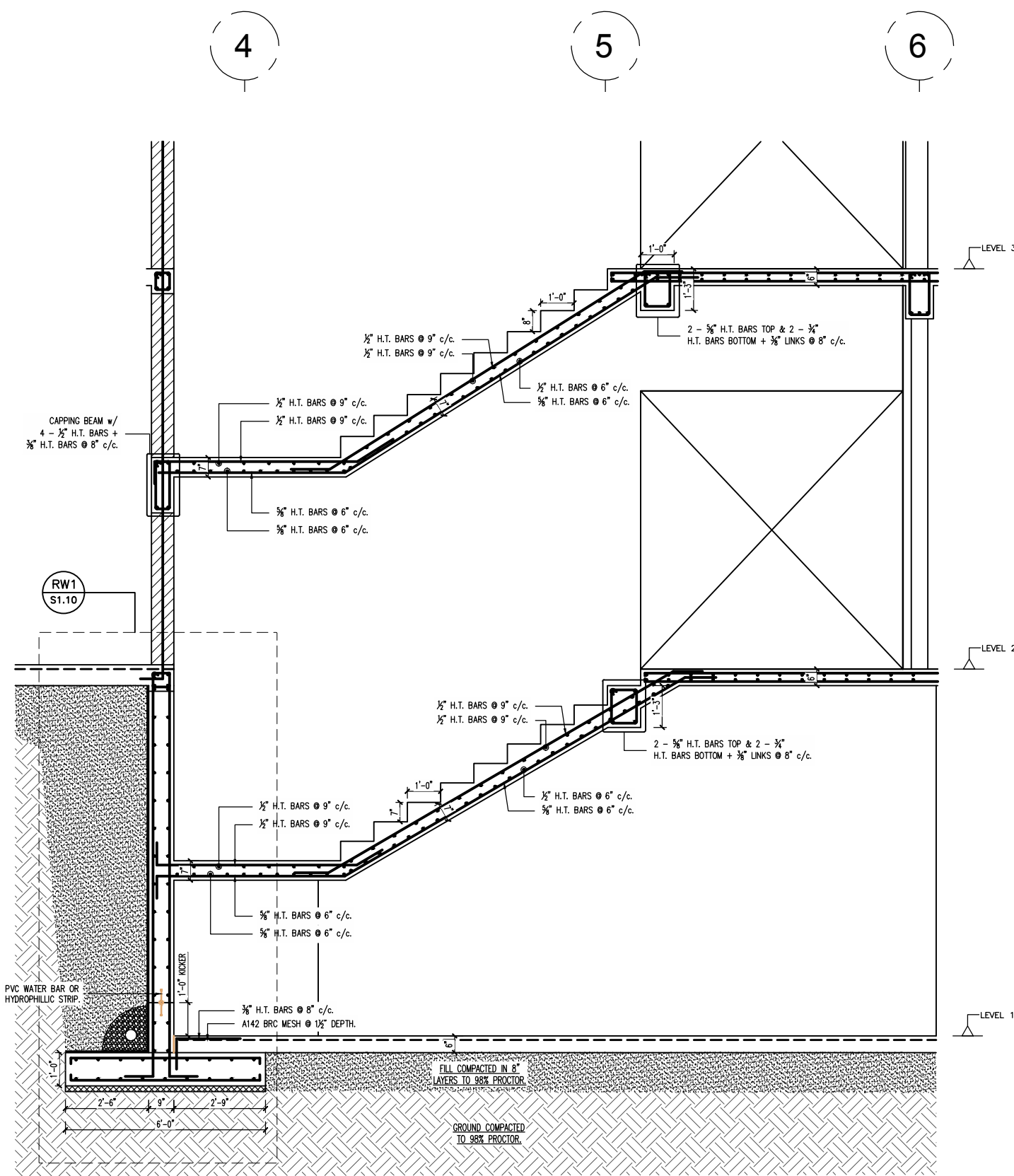
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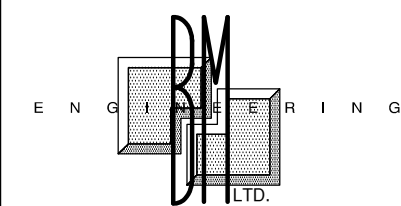
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SCALE: 1:32



STAIR PLAN 1 - STAIR DETAIL 2 (SD2) REF. SHT. S6.00
SCALE: 1:32

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REVISIONS NOTES

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DATE

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GENERAL NOTES

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PROJECT
**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTSEERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE
BID

SHEET TITLE
STAIR DETAILS III

DATE
DEC 2019

SCALE
AS SHOWN

DRAWN
J. PHIPPS

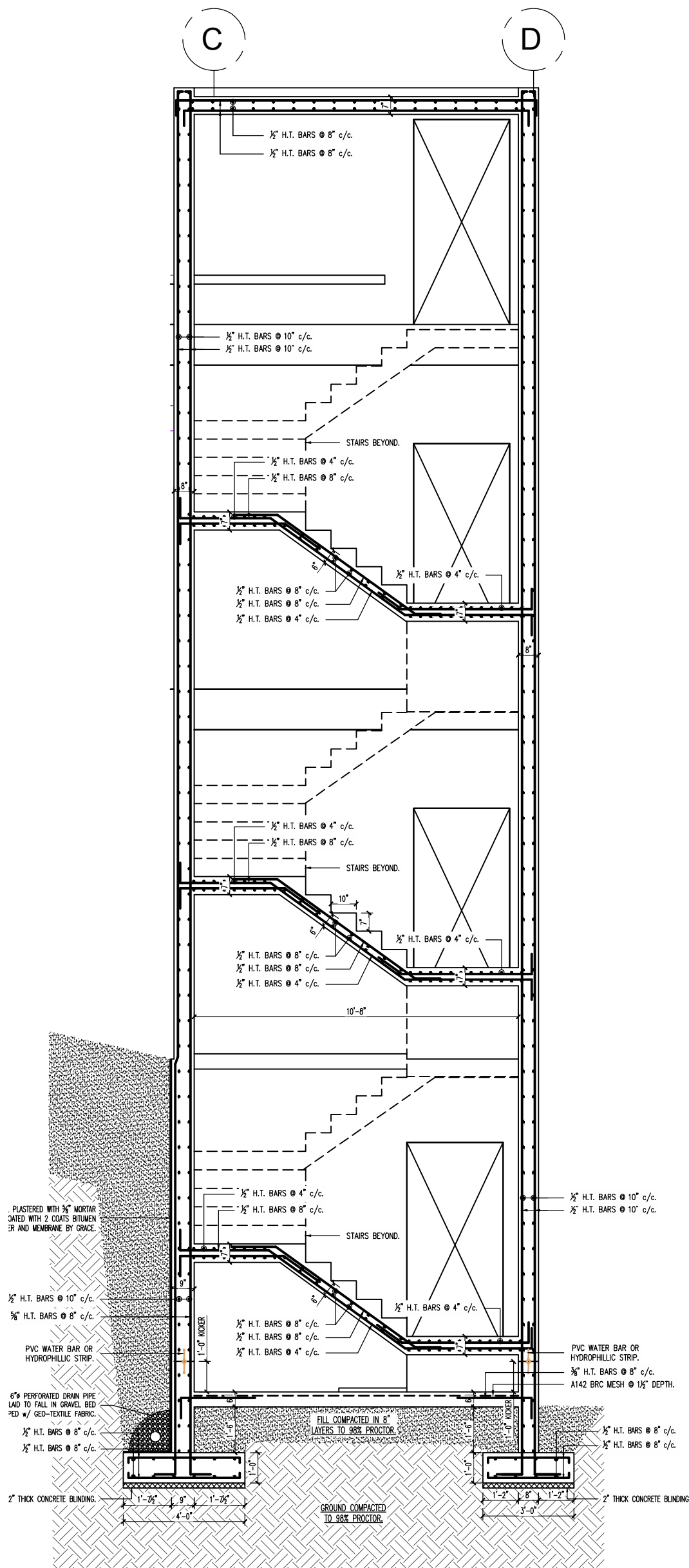
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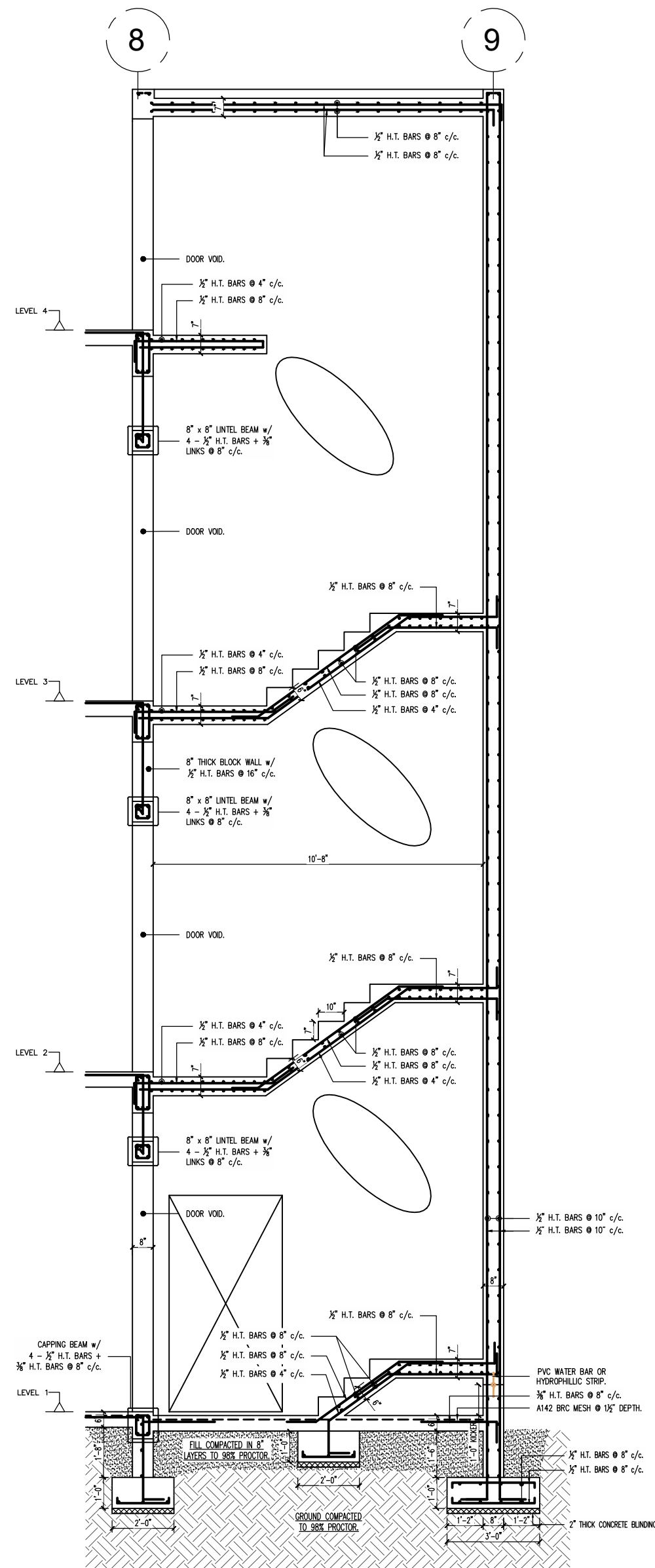
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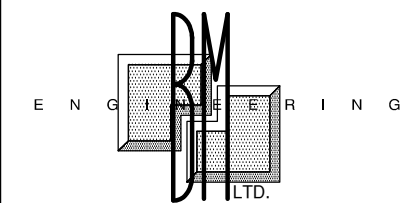
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SCALE: 1:32



STAIR PLAN 2 - STAIR DETAIL 4 (SD4) REF. SHT. S6.01
SCALE: 1:32

CONSTRUCTION NOTES

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COLUMN - 1 1/2"
FOUNDATIONS - 2"
BACKFILLED FACE OF RETAINING WALL - 2".
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REVISIONS NOTES

REVISION NOTES

DATE

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GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE SCALED FROM DRAWINGS.

PROJECT
FINANCIAL SERVICES COMMISSION BUILDING, LITTLE BAY, MONTSERRAT

CLIENT
FINANCIAL SERVICES COMMISSION

ISSUE
BID

SHEET TITLE
STAIR DETAILS IV

DATE
DEC 2019

SCALE
AS SHOWN

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J. PHIPPS

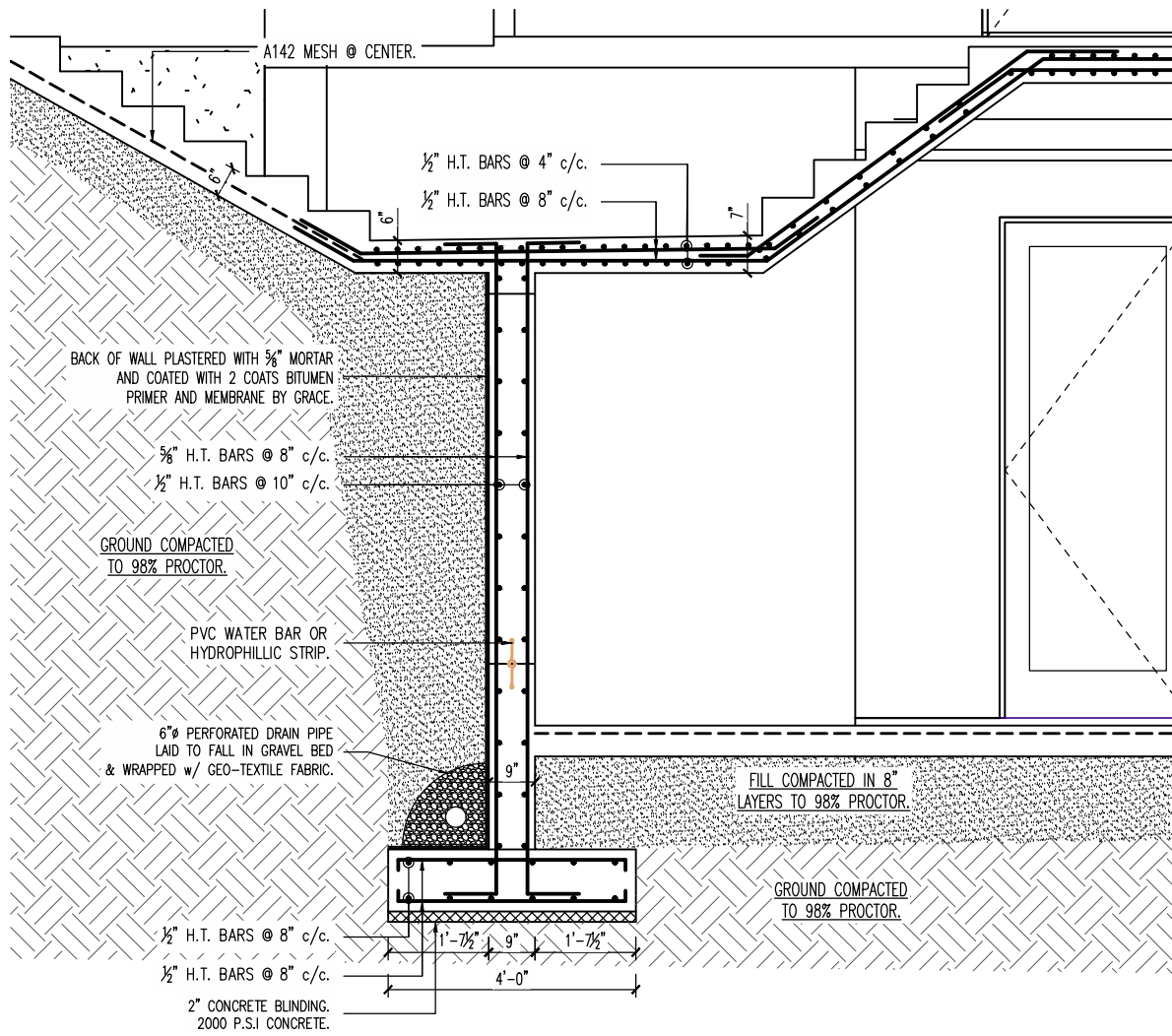
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PROJECT NO.
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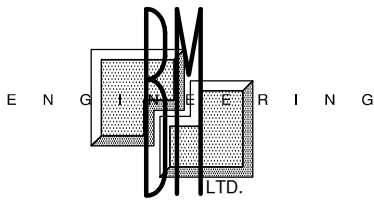
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STAIR PLAN 2 - STAIR DETAIL 3 (SD4) REF. SHT. S6.01
SCALE: 1:24

CONSTRUCTION NOTES

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5. INSITU REINFORCED CONCRETE 28 DAY STRENGTHS FOUNDATIONS AND GRADE SLABS - 4000 p.s.i. SUPERSTRUCTURE - 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT:
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FOUNDATIONS - 2"
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7. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. - TO BE COMPACTED IN 8" LAYERS TO 98% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
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Kjcasell@gmail.com

REVISIONS NOTES

REVISION NOTES

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BY:

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GENERAL NOTES

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PROJECT
FINANCIAL SERVICES COMMISSION BUILDING, LITTLE BAY, MONTERRAT

CLIENT
FINANCIAL SERVICES COMMISSION

ISSUE

BID

SHEET TITLE
STAIR DETAILS V

DATE
DEC 2019

PROJECT NO.
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AS SHOWN

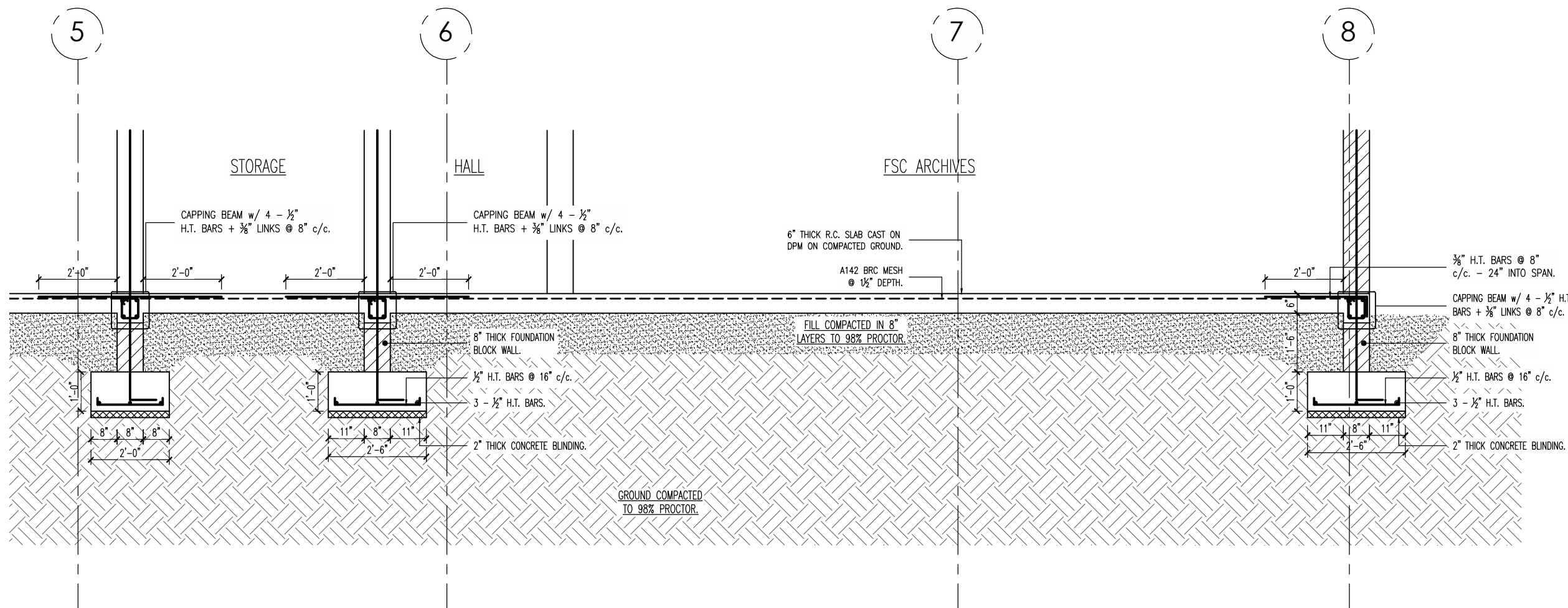
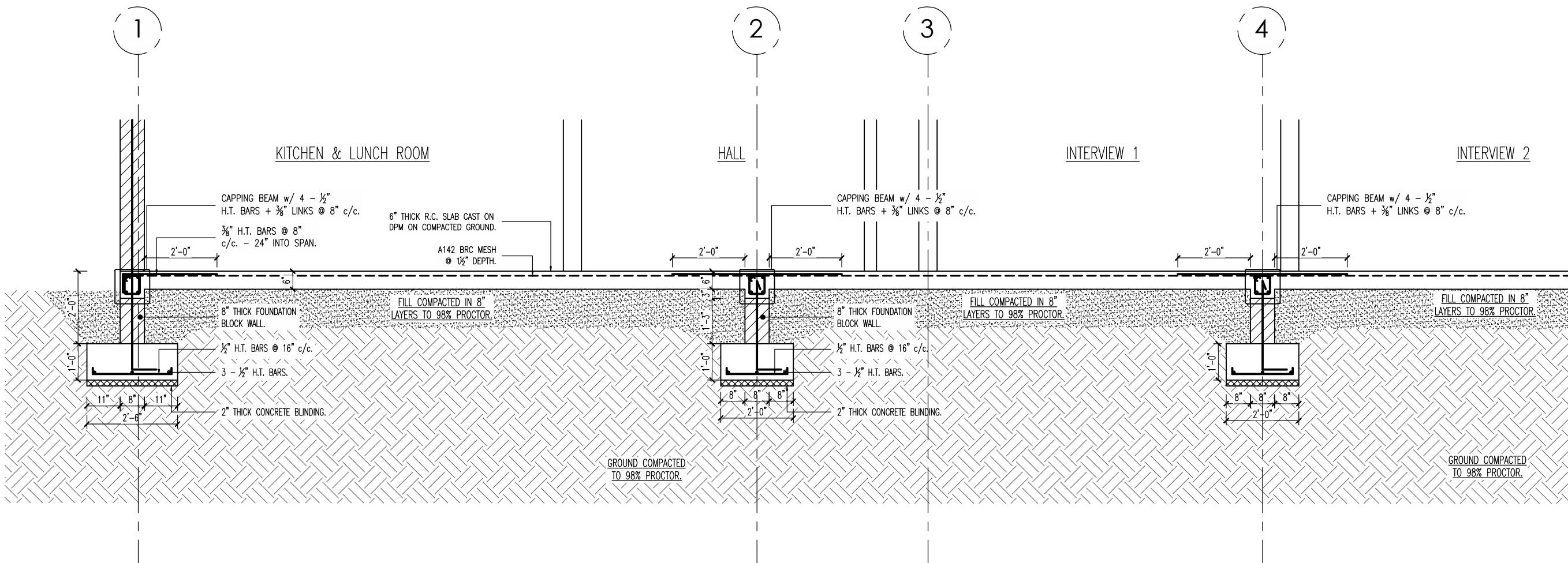
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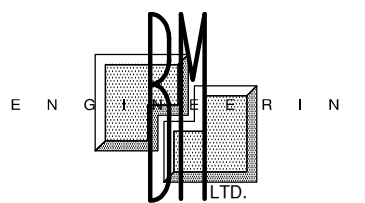
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SECTION 1.1 (REF. SHT. S1.00 & S2.00)
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PROJECT

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COMMISSION BUILDING,
LITTLE BAY, MONTERRAT**

CLIENT

**FINANCIAL SERVICES
COMMISSION**

ISSUE

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SHEET TITLE

STRUCTURAL DETAILS I

DATE

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PROJECT NO.

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SCALE

AS SHOWN

DRAWN

J. PHIPPS

SHEET NO.

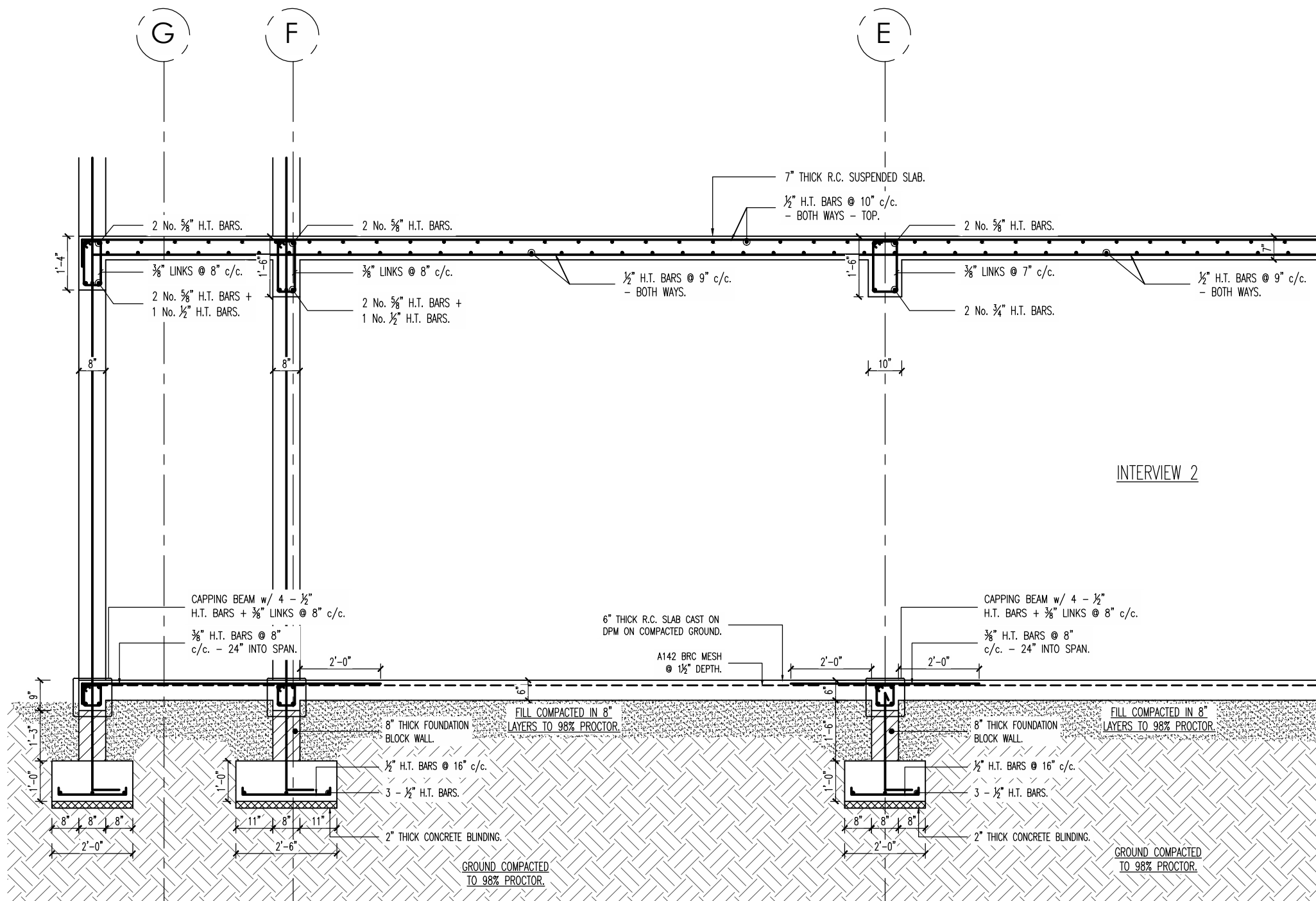
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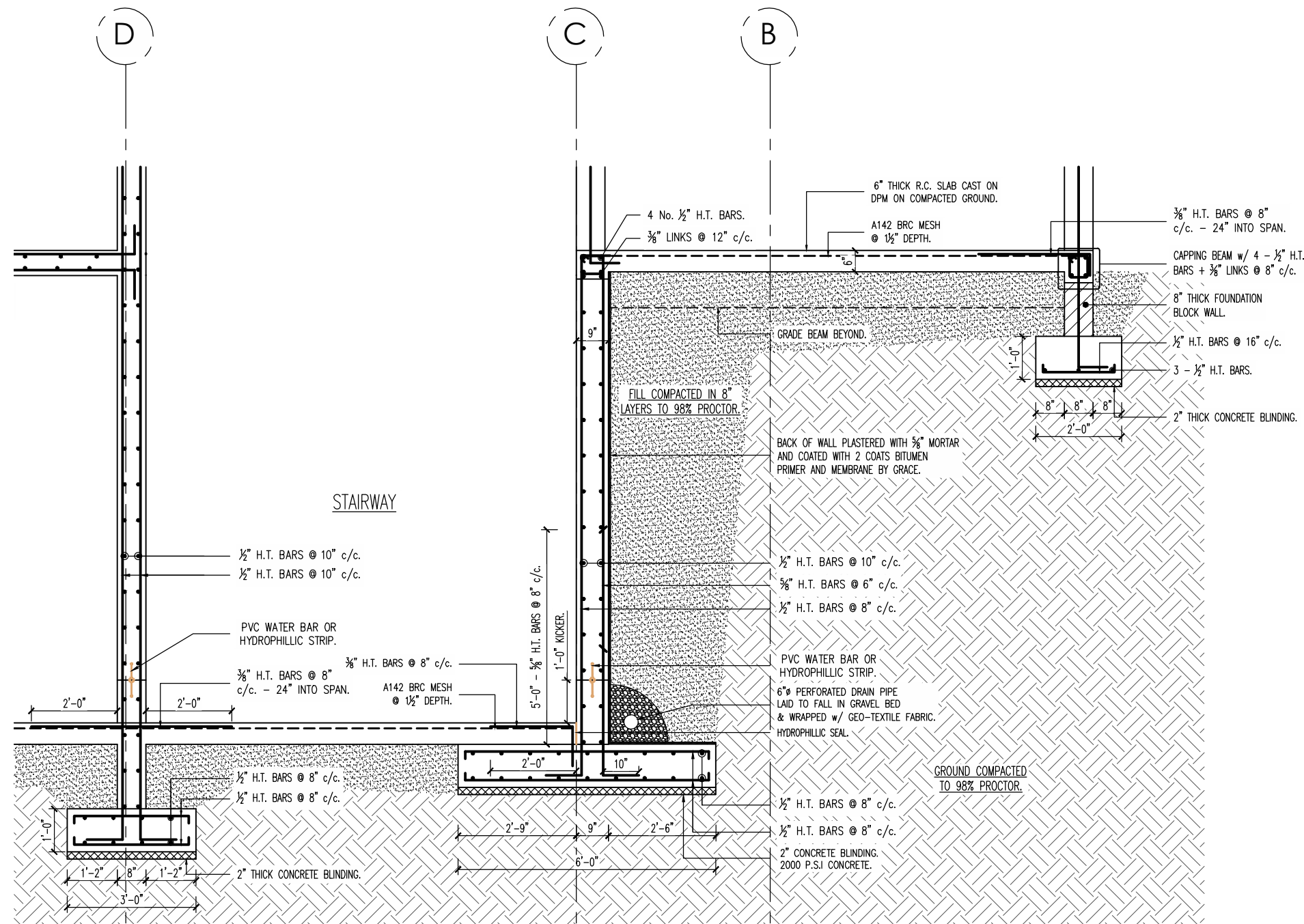
R. McGrath

REVIEW

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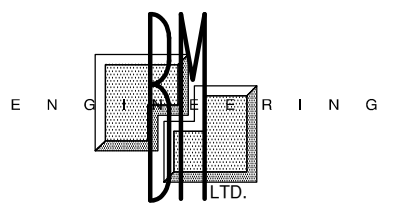


SECTION 1.2 (REF. SHT. S1.00, S2.00 & S3.00)
SCALE: 1:24



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7. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. - TO BE COMPACTED IN 8" LAYERS TO 98% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
8. LOCATIONS OF CONSTRUCTION JOINTS TO BE AGREED WITH CONTRACTOR AT CONSTRUCTION.
9. CONCRETE ELEMENTS TO BE WATER PROOFED AS FOLLOWS:
a. ROOF SLABS & INTERNAL RETAINING WALLS TO HAVE XYPEX ADDITIVE IN CONCRETE.
10. CHASES & RECESSES IN WALLS
a. NO HORIZONTAL CHASES ARE PERMITTED IN MASONRY WALLS, HORIZONTAL PIPING OR CONDUITS MAY BE RUN IN CONCRETE BEAMS OR FLOORS.
b. CONDUITS, PIPES AND SLEEVES IN MASONRY SHOULD HAVE A MINIMUM CLEAR SPACING OF 2 DIAMETERS APART.



Brisbane, McGrath Engineering
Consultants Limited.

P.O. Box 688,
Princes Street, Basseterre,
St. Kitts, West Indies

K. J. CASSELL CONSULTANTS LTD Box 319
• Architects • Gerardo
Montserrat
• Engineers 664-491-2819
• Project Managers Kencassell@gmail.com

REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE SCALED FROM DRAWINGS.

PROJECT
**FINANCIAL SERVICES
COMMISSION BUILDING,
LITTLE BAY, MONTSERRAT**

CLIENT
**FINANCIAL SERVICES
COMMISSION**

ISSUE
BID

SHEET TITLE
STRUCTURAL DETAILS II

DATE
DEC 2019

SCALE
AS SHOWN

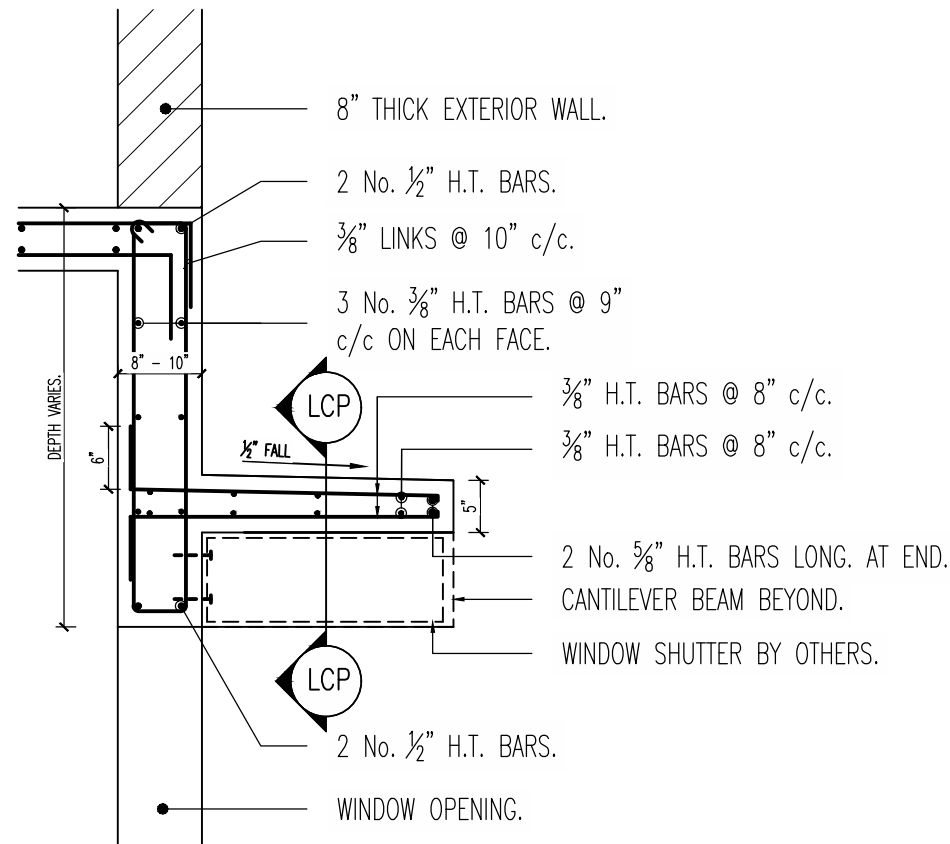
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J. PHIPPS

CHECKED
R. McGrath

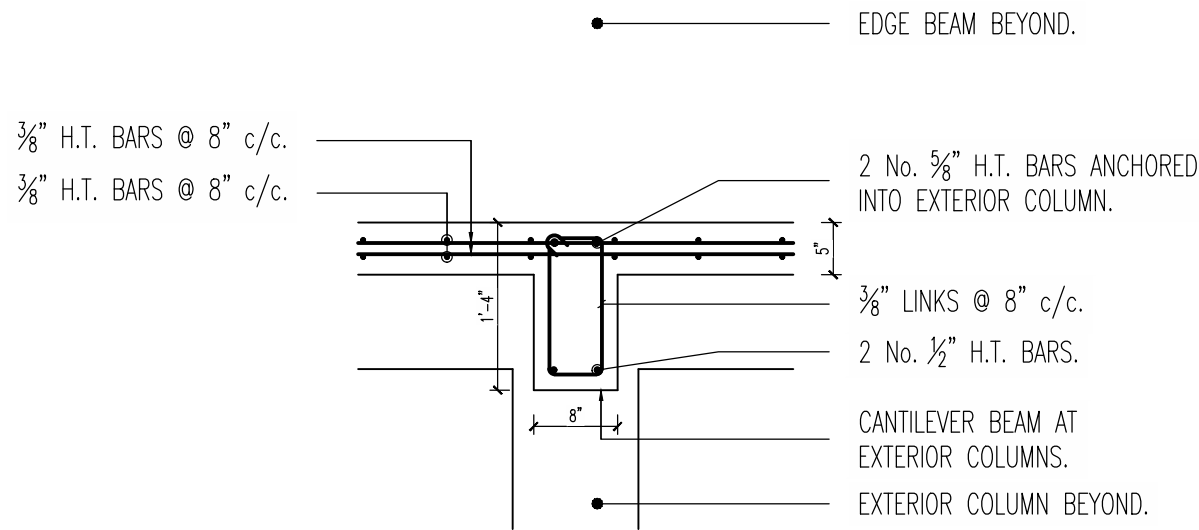
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SHEET NO.
S7.01

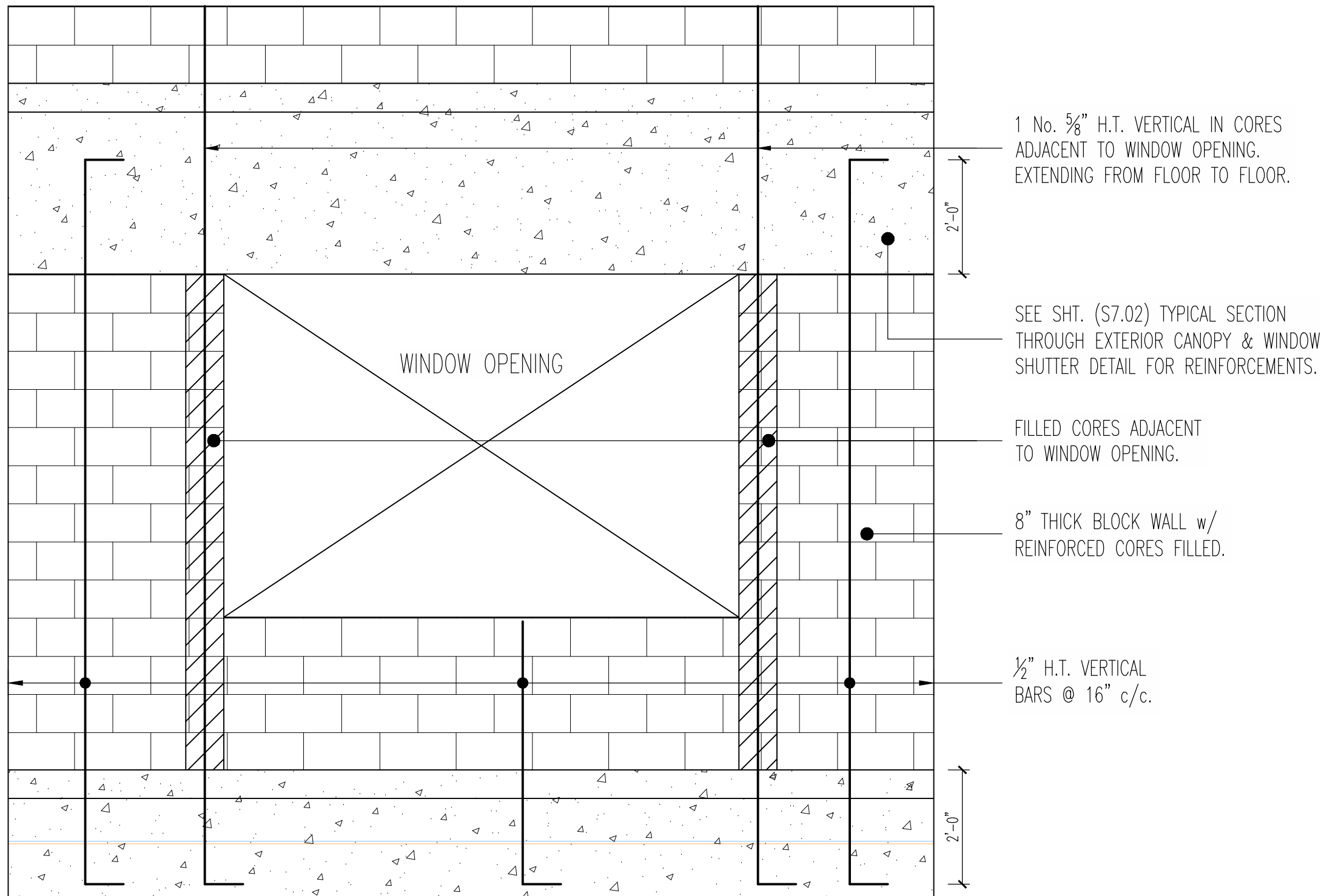
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TCS - TYPICAL SECTION THROUGH EXTERIOR CANOPY & WINDOW SHUTTER
SCALE: 1:12



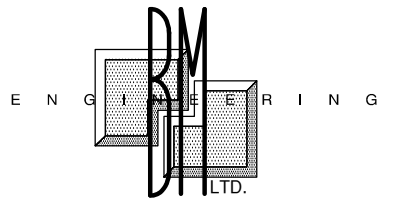
LCP - LONGITUDINAL SECTION THROUGH EXTERIOR CANOPY
SCALE: 1:12



TYPICAL EXTERNAL WALL PANEL
SCALE: 1:16

CONSTRUCTION NOTES

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2. BAR BENDING RADII - 3 X BAR DIAMETER GENERALLY. (BS4466)
3. BLOCKWORK TO BE CONSTRUCTED OF MIN. 1500 p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90 AND PLACED IN RUNNING BOND.
4. BLOCK INFILL CONCRETE 1:2:4 MIX WITH 3/8" MAX. AGGREGATE. BLOCK WALLS TO BE INFILLED IN 24" LIFTS AND TAMPED WITH A SMOOTH ROD.
5. INSITU REINFORCED CONCRETE 28 DAY STRENGTHS FOUNDATIONS AND GRADE SLABS - 4000 p.s.i. SUPERSTRUCTURE - 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT: SLABS & BEAMS - 1 1/2" COLUMN - 1 1/2" FOUNDATIONS - 2" BACKFILLED FACE OF RETAINING WALL - 2".
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FINANCIAL SERVICES COMMISSION BUILDING, LITTLE BAY, MONTserrat

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FINANCIAL SERVICES COMMISSION

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SHEET TITLE

STRUCTURAL DETAILS III

DATE

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PROJECT NO.

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SCALE

AS SHOWN

DRAWN

J. PHIPPS

CHECKED

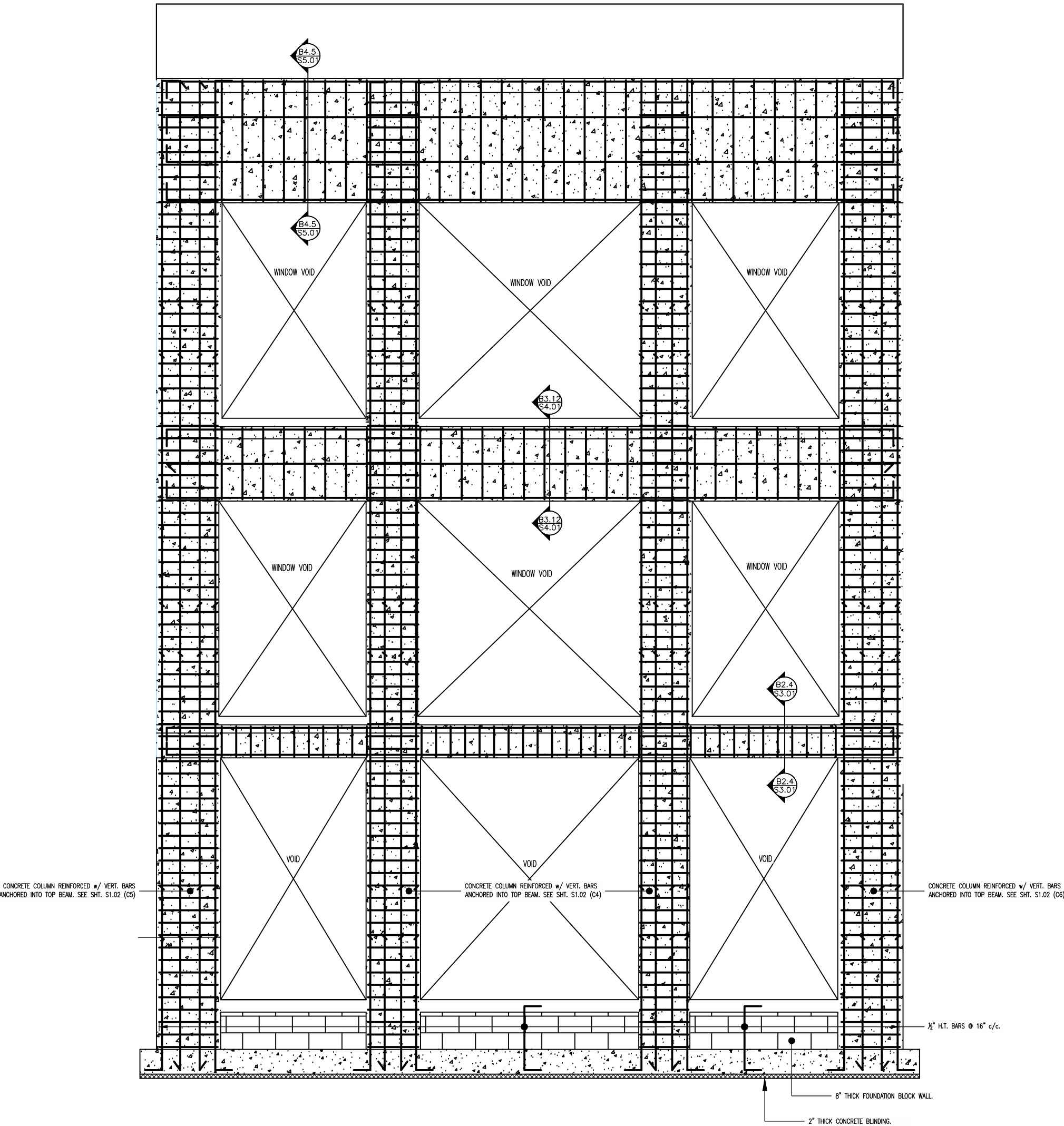
R. McGrath

SHEET NO.

S7.02

REVIEW

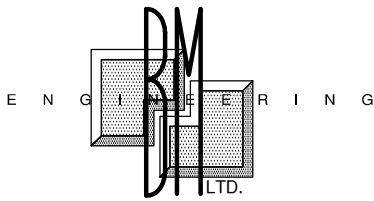
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WALL ELEVATION DETAIL ALONG GRID LINE G
SCALE: 1:24

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WALL ELEVATIONS & DETAILS I

DATE

DEC 2019

PROJECT NO.

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SCALE

AS SHOWN

SHEET NO.

S8.00

DRAWN

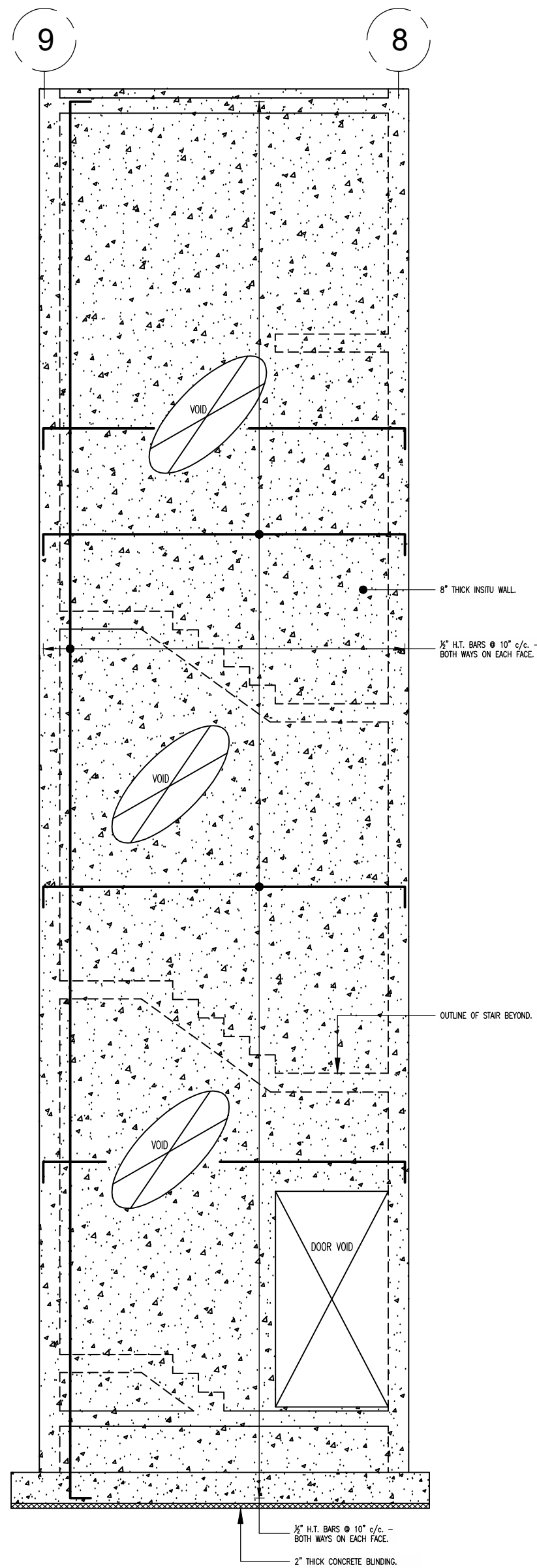
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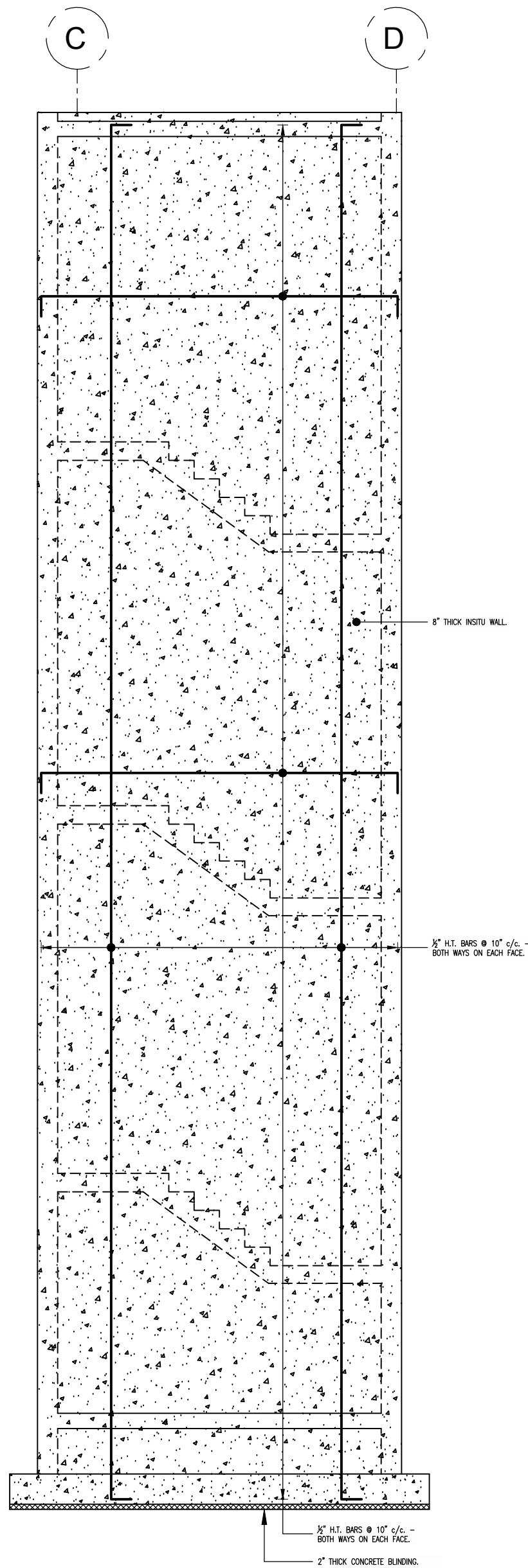
R. McGrath

REVIEW

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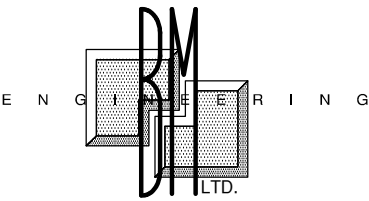
WALL ELEVATION DETAIL ALONG GRID LINE D
SCALE: 1:32



WALL ELEVATION DETAIL ALONG GRID LINE 9
SCALE: 1:32

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WALL ELEVATIONS & DETAILS II

DATE
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PROJECT NO.
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SCALE
AS SHOWN

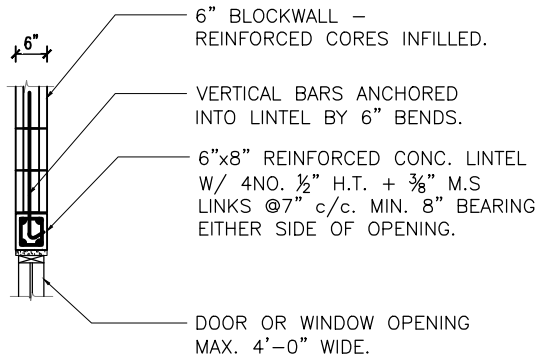
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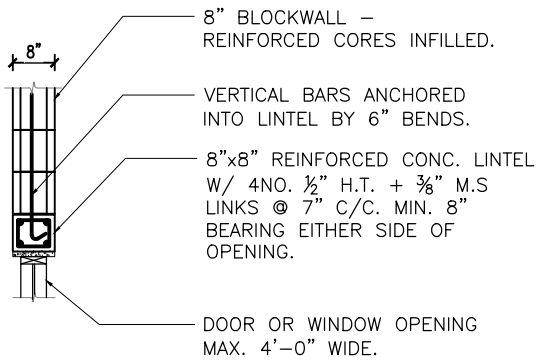
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R. McGrath

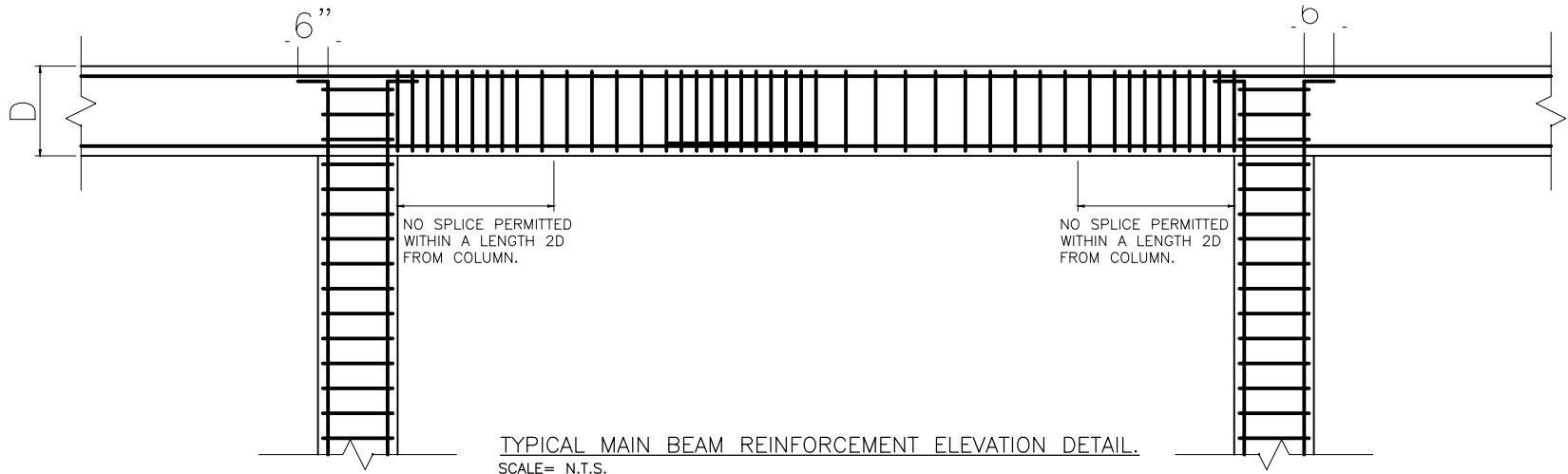
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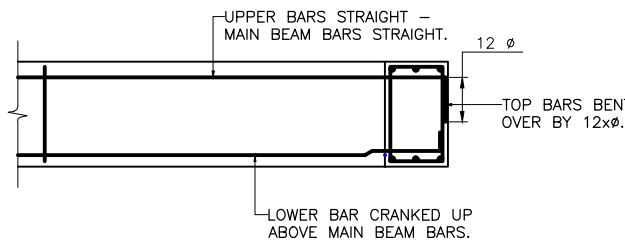
TYPICAL LINTEL DETAILS (MAX. 4'-0" SPAN)
SCALE: 1:24



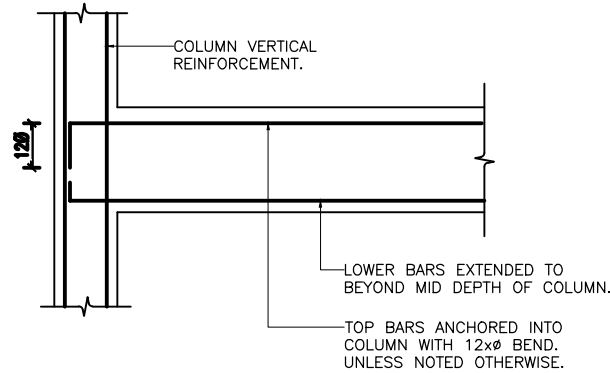
TYPICAL LINTEL DETAILS (MAX. 4'-0" SPAN)
SCALE: 1:24



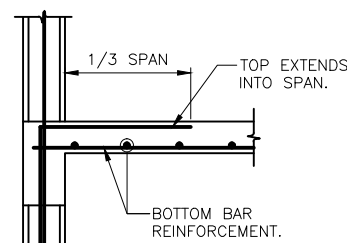
TYPICAL MAIN BEAM REINFORCEMENT ELEVATION DETAIL.
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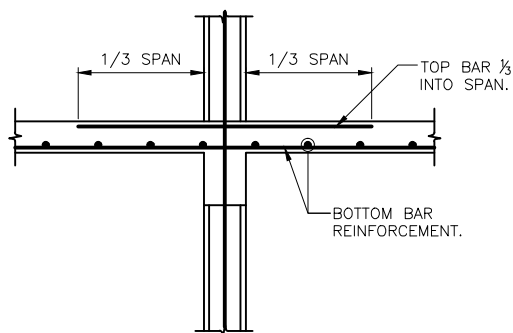
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TYPICAL BEAM - COLUMN CONNECTION DETAIL.
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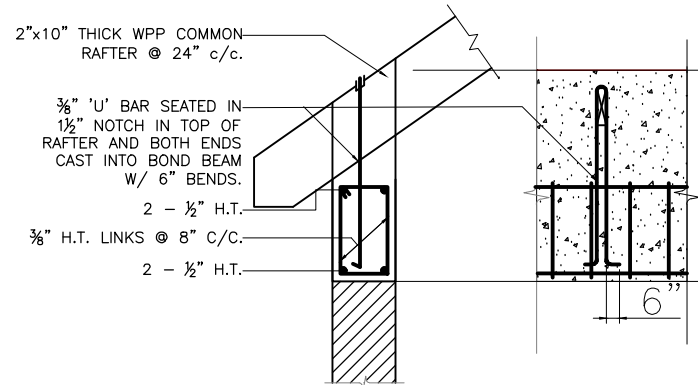
TYP. SLAB REINFORCEMENT
DETAIL - EDGE.
SCALE: 1:24



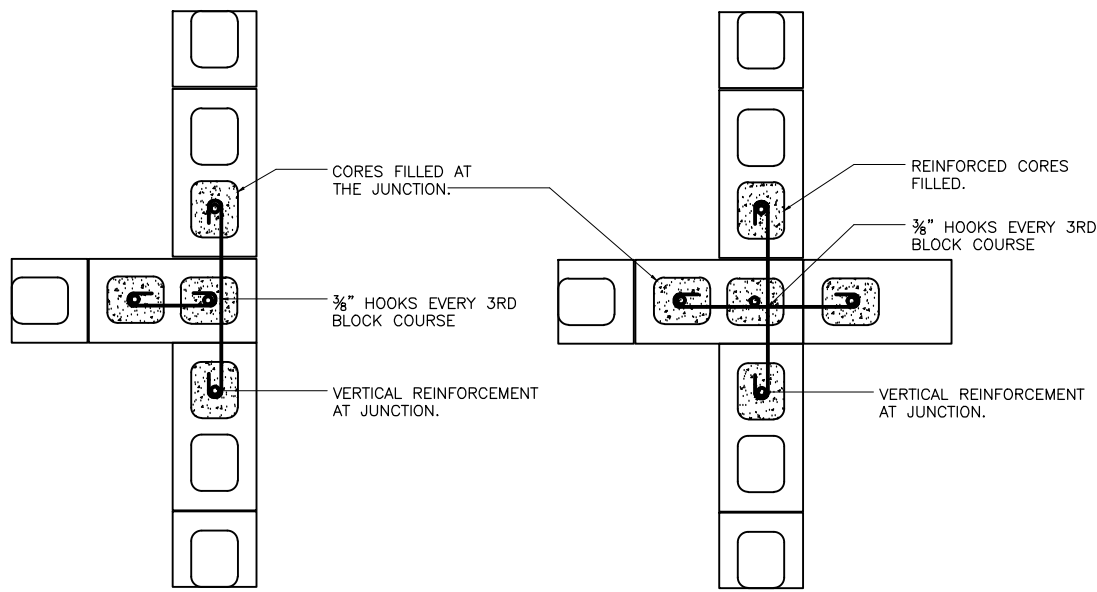
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DETAIL - CONTINUOUS.
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CONSTRUCTION NOTES

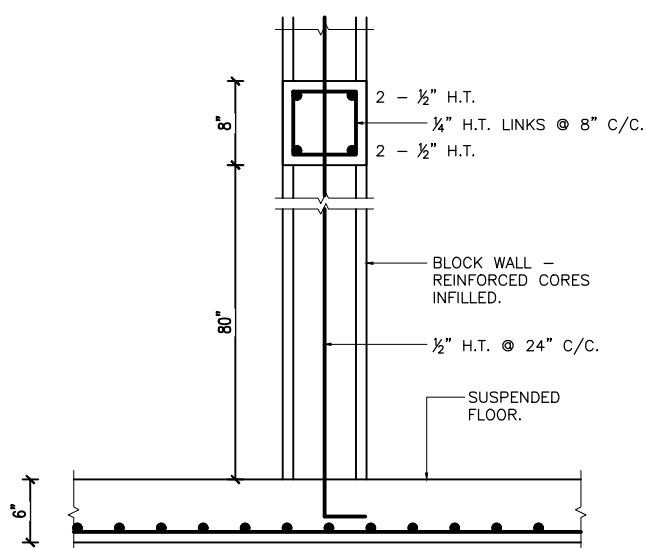
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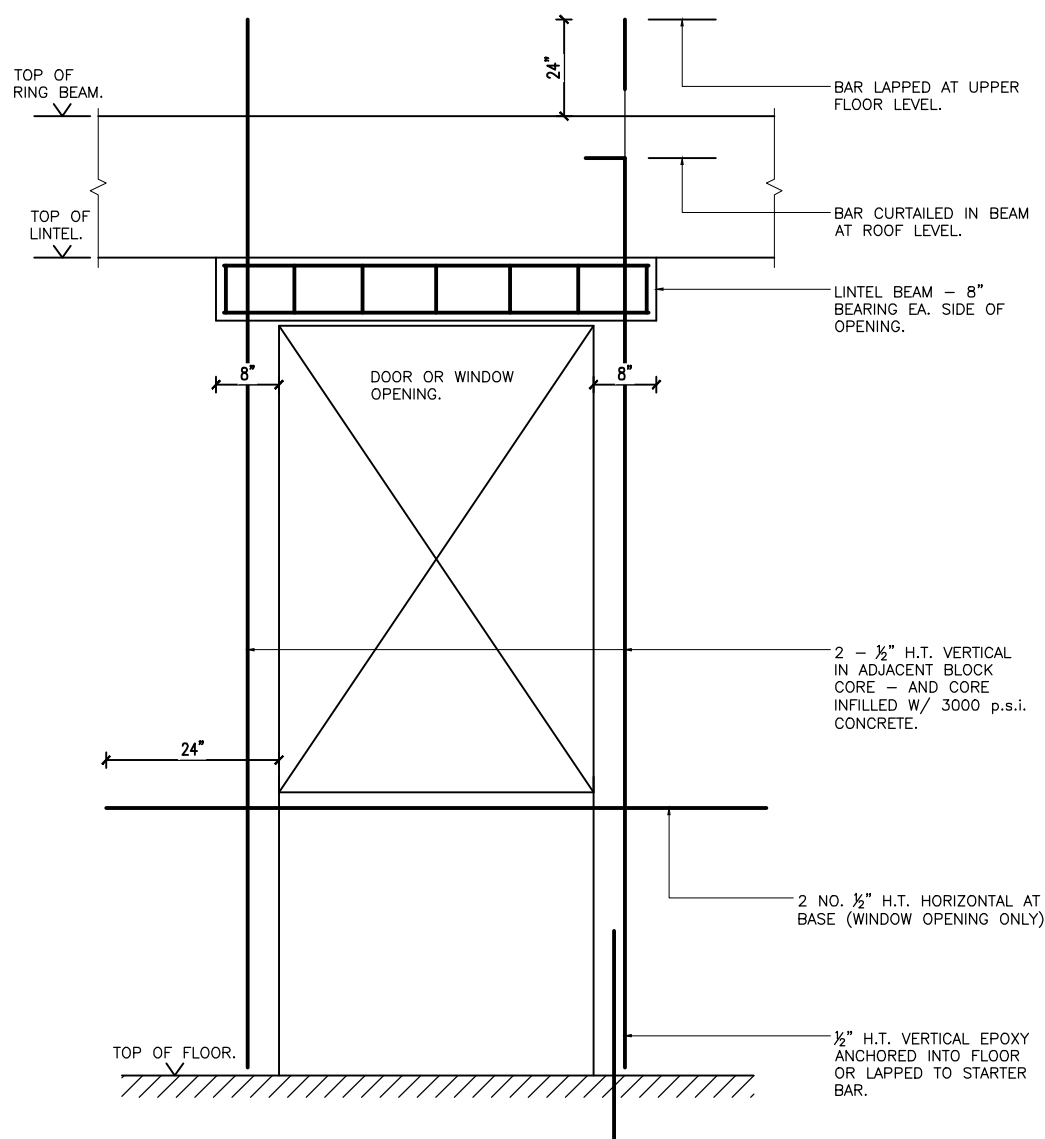
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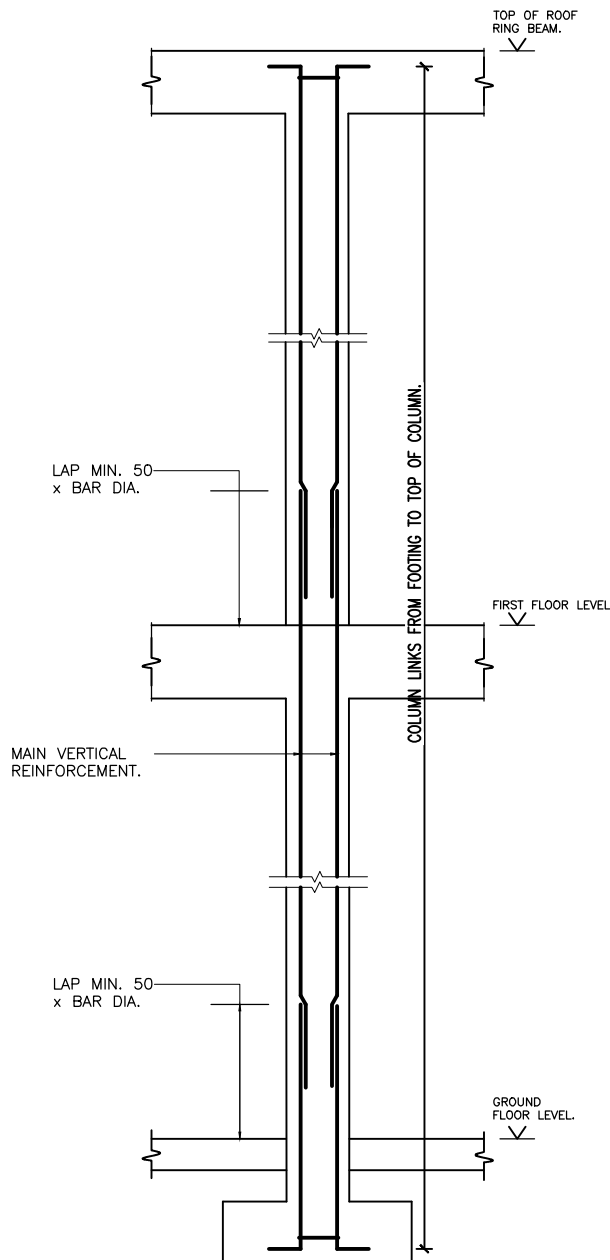
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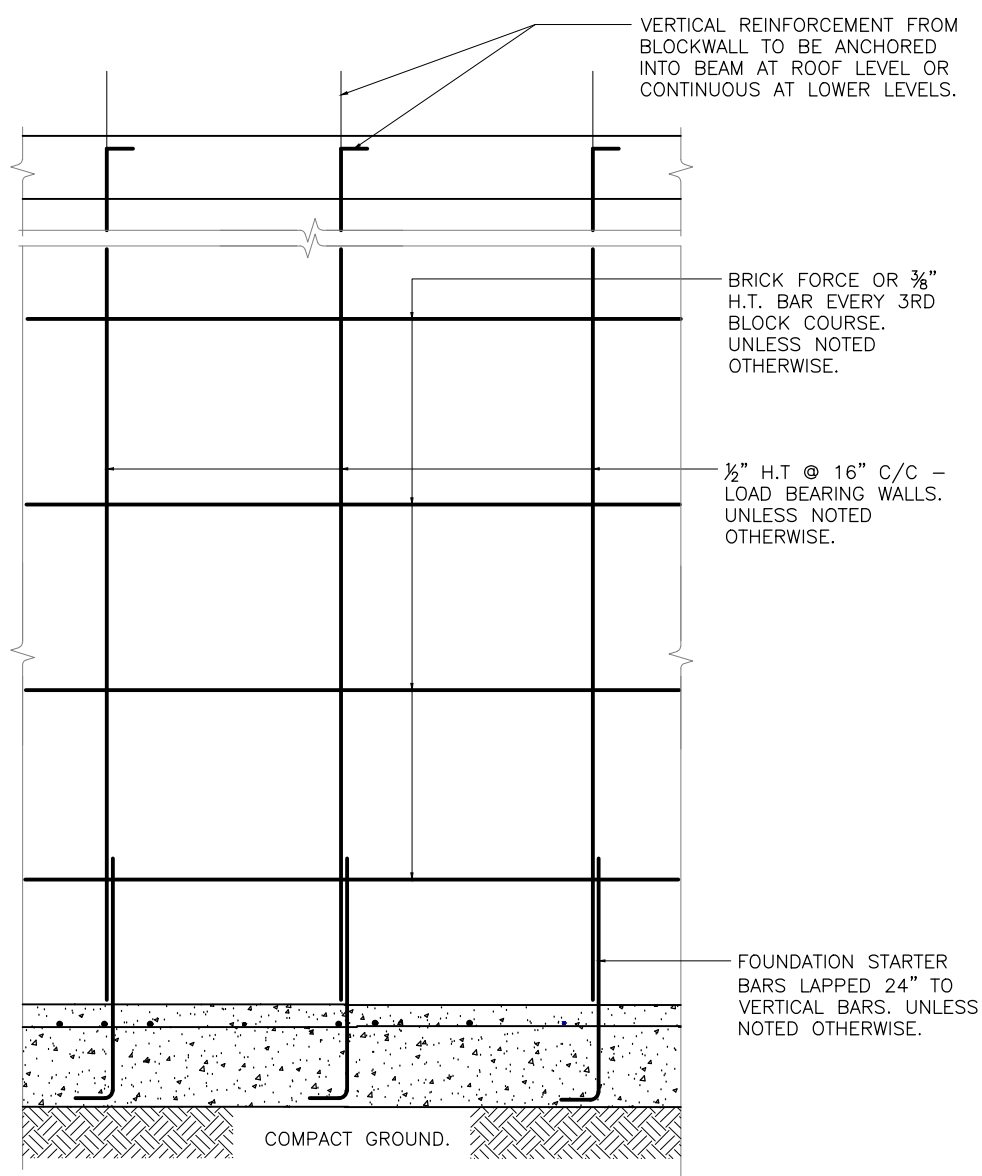
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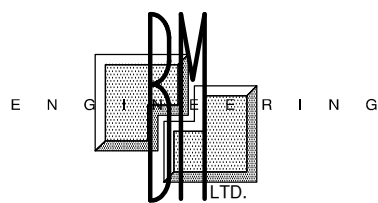
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SCALE: N.T.S.



TYPICAL COLUMN ELEVATION
SCALE: N.T.S.



TYPICAL BLOCKWORK ELEVATION.
SCALE: N.T.S.



Brisbane, McGrath Engineering
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FINANCIAL SERVICES COMMISSION

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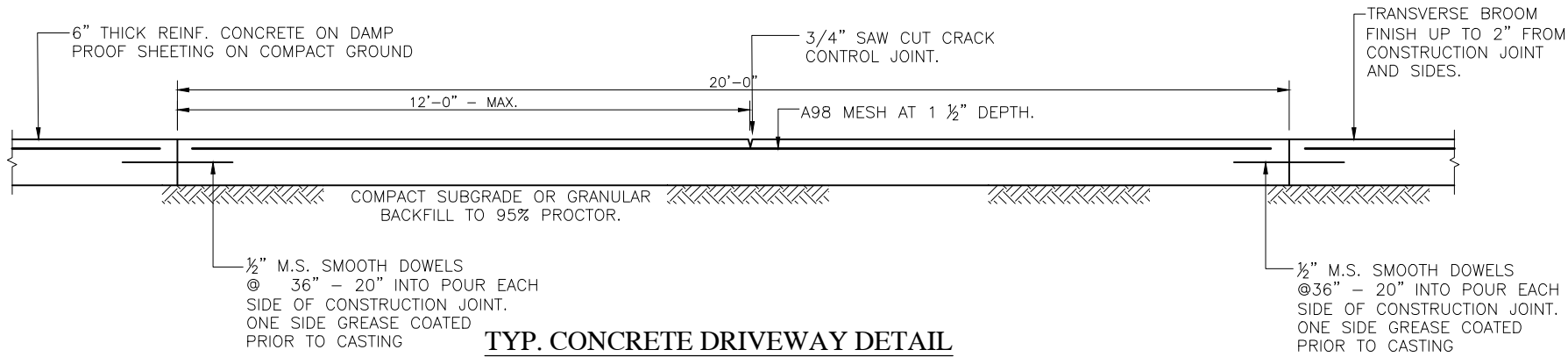
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PROJECT NO.
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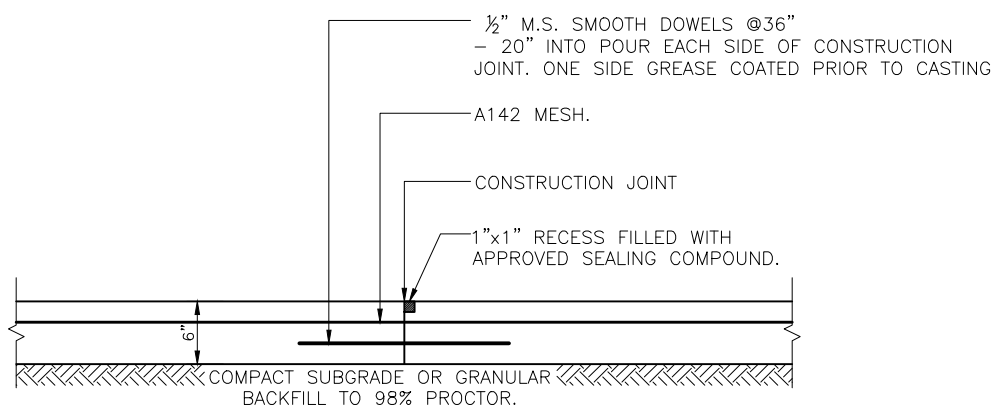
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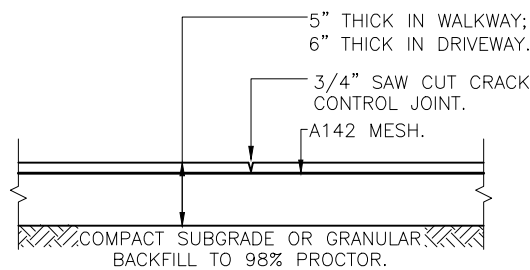
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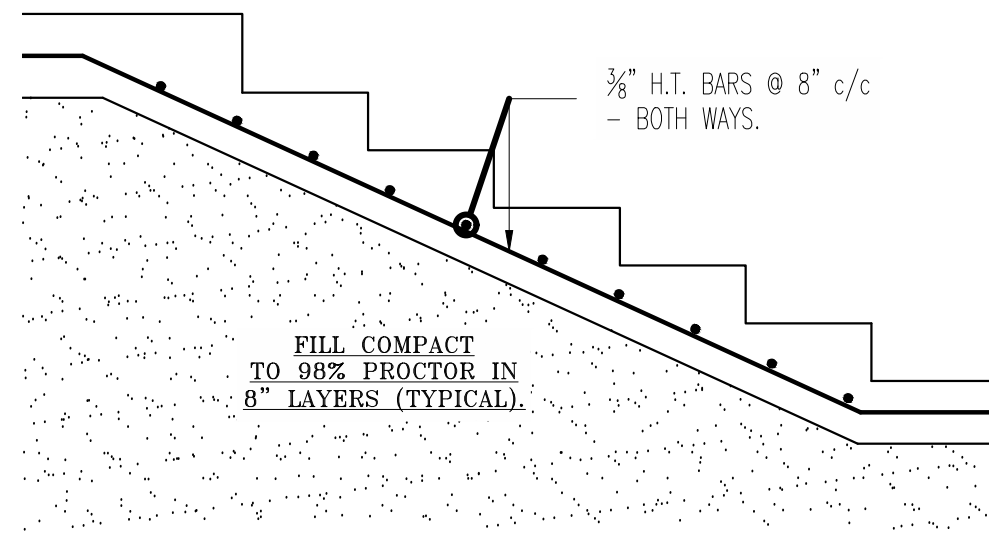
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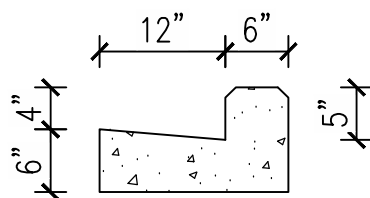
TYP. CONSTRUCTION JOINT DETAIL
SCALE: 1:1.



TYP. SAW CUT JOINT DETAIL
SCALE: 1:1.



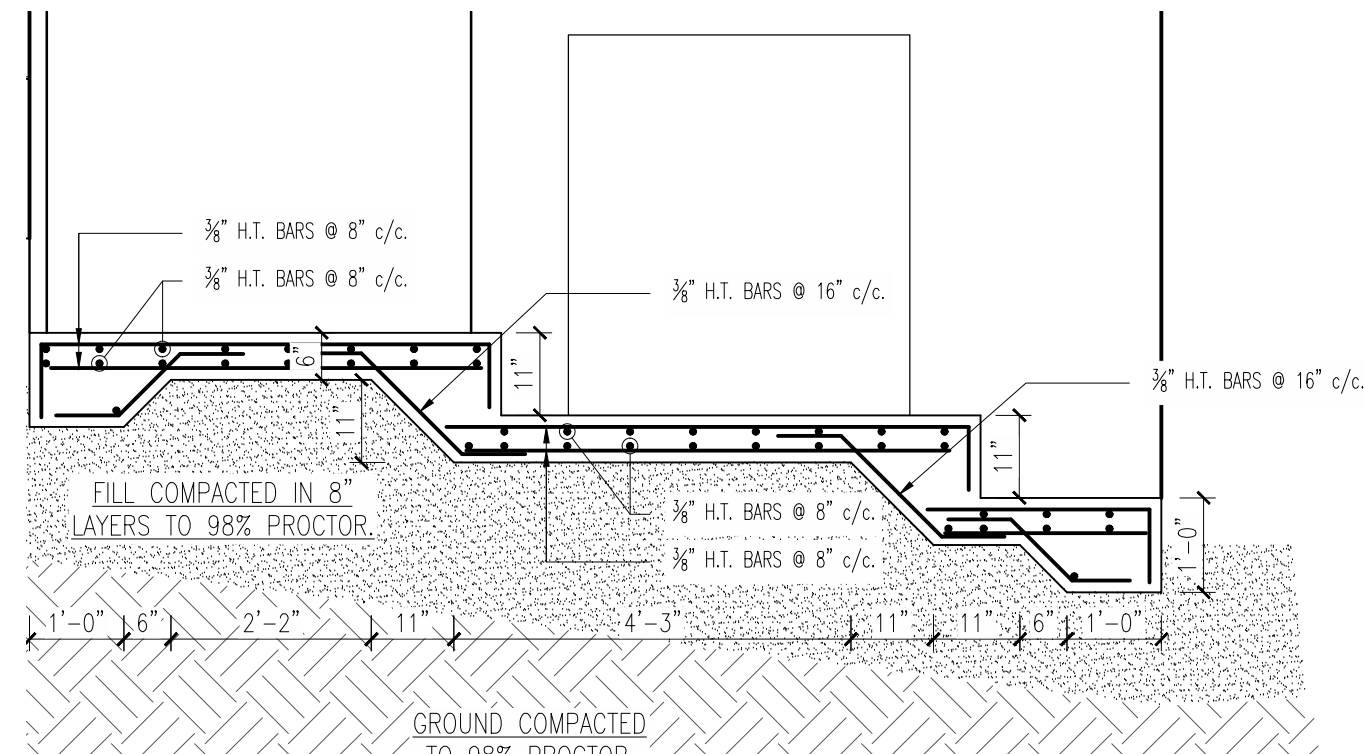
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SCALE: 1:1.



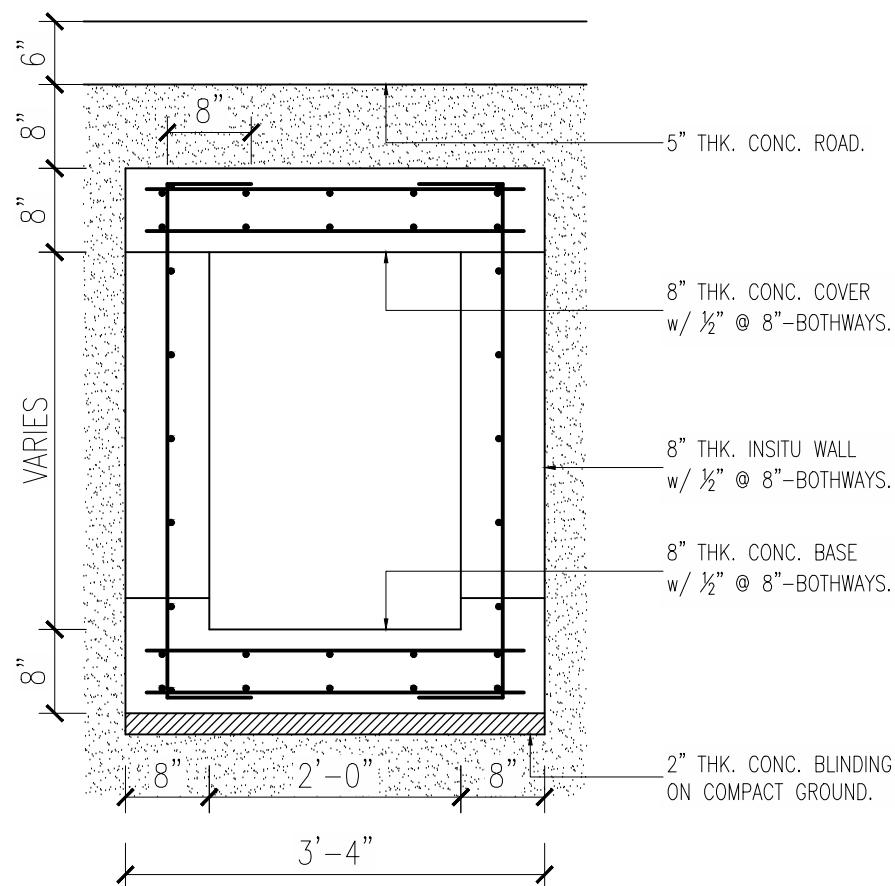
TYP. CURB & SLIPPER DETAIL.
SCALE: 1:1.

CONSTRUCTION NOTES

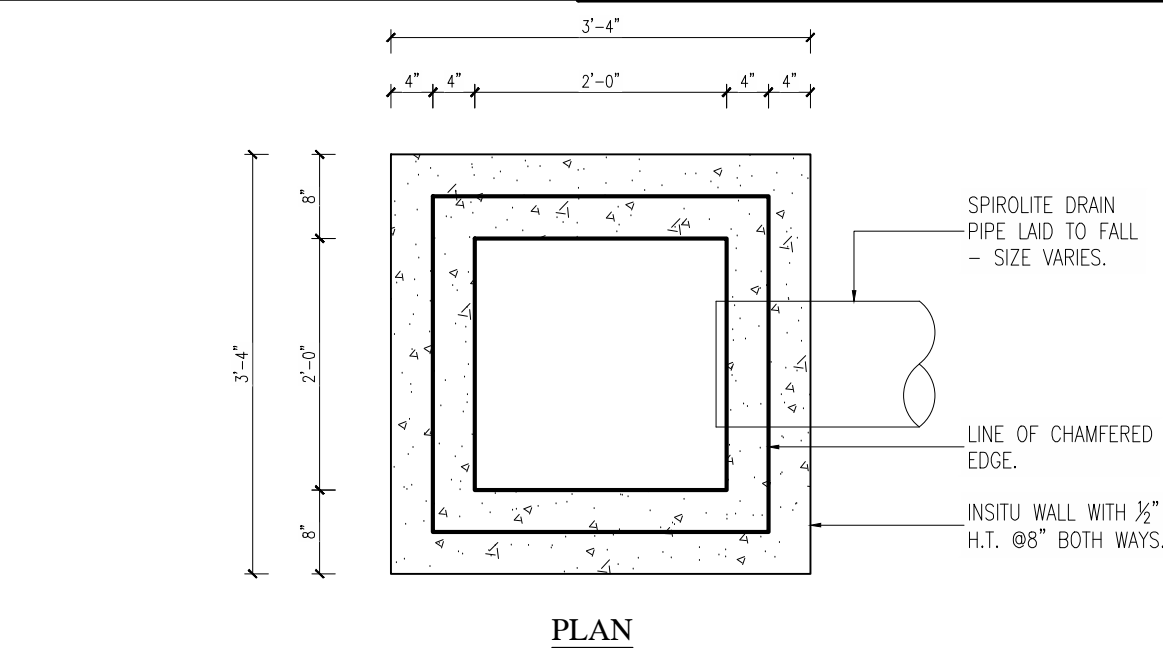
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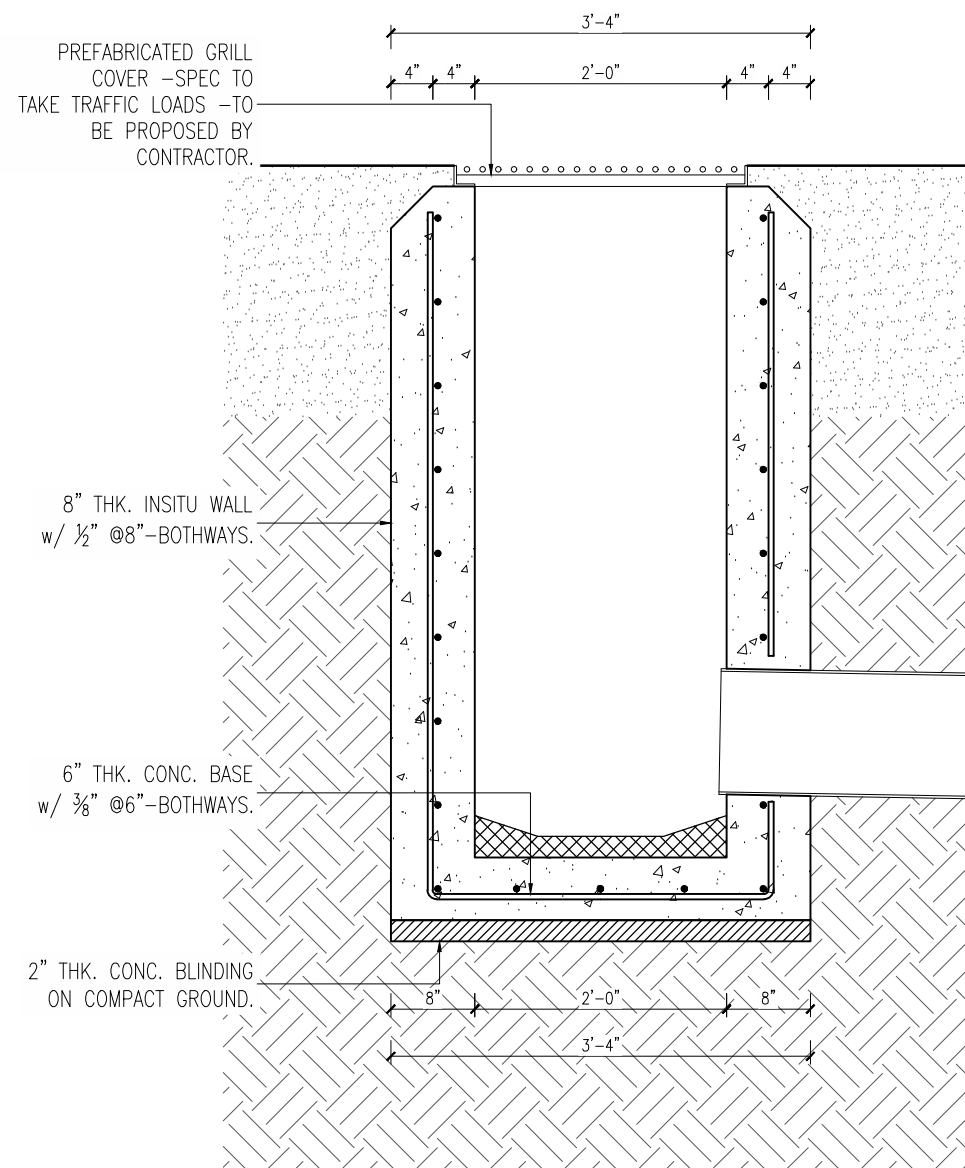
AP1 - A.C. PLINTH 1
SCALE: 1:16



TYPICAL BOX DRAIN DETAIL
SCALE: 1:1.

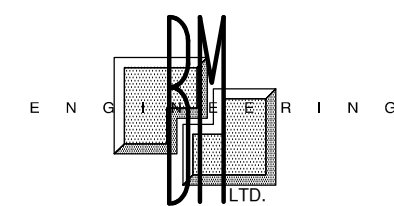


PLAN



SECTION

TYPICAL COLLECTION BOX DETAIL
SCALE: 1:1.



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K. J. CASSELL CONSULTANTS LTD Box 319
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GENERAL NOTES

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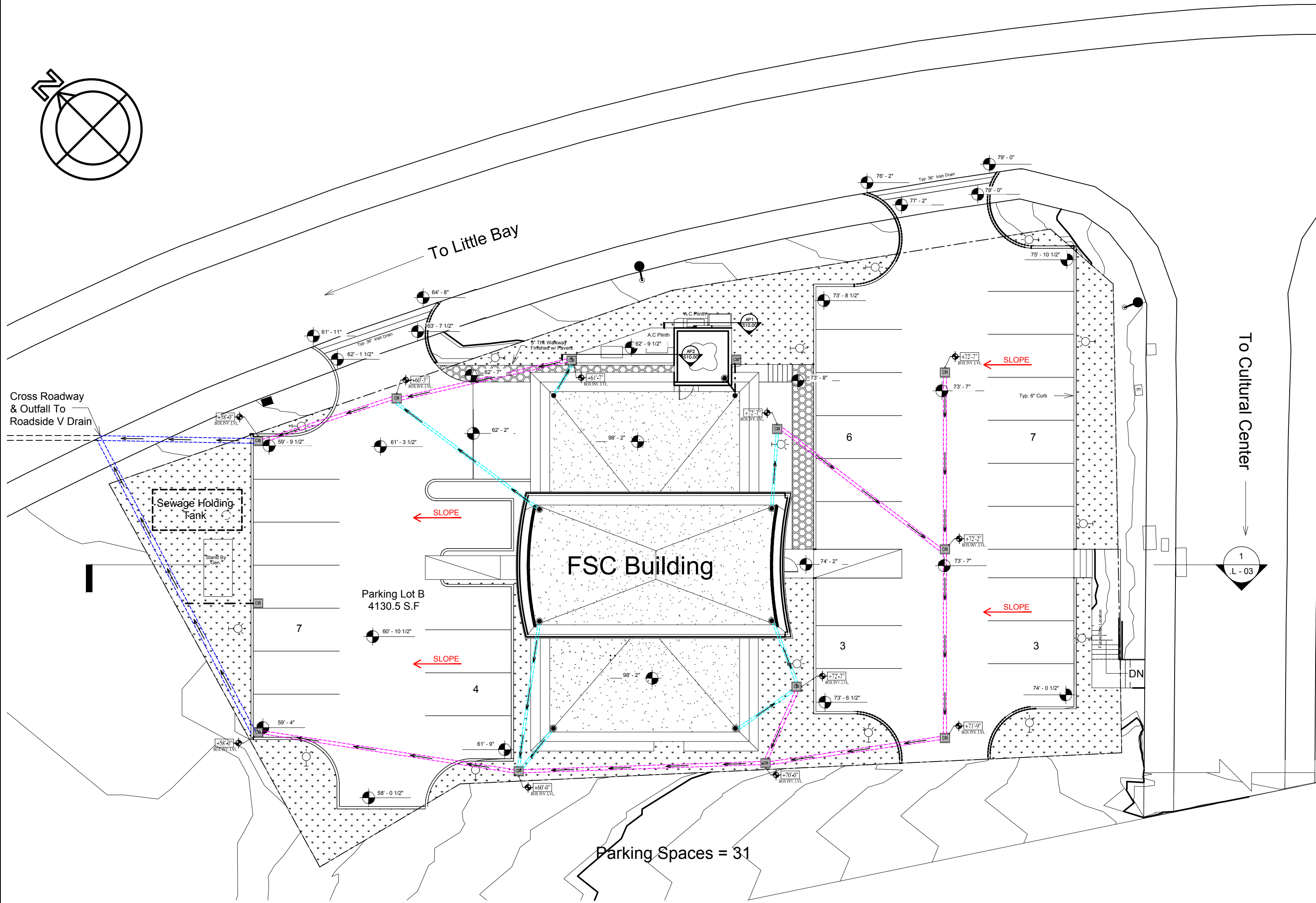
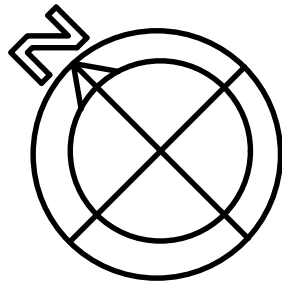
PROJECT
FINANCIAL SERVICES COMMISSION BUILDING, LITTLE BAY, MONTSERRAT

CLIENT
FINANCIAL SERVICES COMMISSION

ISSUE
BID

SHEET TITLE
GENERAL SITE DETAILS

DATE DEC 2019	PROJECT NO. --
SCALE AS SHOWN	SHEET NO. S10.00
DRAWN J. PHIPPS	
CHECKED R. McGrath	REVIEW -R1-



Parking Spaces = 31

SITE DRAINAGE PLAN
SCALE: 1:128

CONSTRUCTION NOTES

1. REINFORCING STEEL HIGH YIELD (410 MPa) GENERALLY. - OTHERWISE MILD STEEL (M.S.) SMOOTH BARS (250 MPa) WHERE NOTED.
2. BAR BENDING RADII - 3 X BAR DIAMETER GENERALLY. (BS4466)
3. BLOCKWORK TO BE CONSTRUCTED OF MIN. 1500 p.s.i. CONCRETE HOLLOW CORE BLOCKS TO ASTM C90 AND PLACED IN RUNNING BOND.
4. BLOCK INFILL CONCRETE 1:2:4: MIX WITH 3/4" MAX. AGGREGATE. BLOCK WALLS TO BE INFILLED IN 24" LIFTS AND TAMPED WITH A SMOOTH ROD.
5. INSTU REINFORCED CONCRETE 28 DAY STRENGTHS FOUNDATIONS AND GRADE SLABS - 4000 p.s.i. SUPERSTRUCTURE - 4000 p.s.i.
6. CONCRETE COVER TO REINFORCEMENT:
SLABS & BEAMS - 1 1/2"
COLUMN - 1 1/2"
FOUNDATIONS - 2"
BACKFILLED FACE OF RETAINING WALL - 2".
7. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. - TO BE COMPACTED IN 8" LAYERS TO 98% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
8. LOCATIONS OF CONSTRUCTION JOINTS TO BE AGREED WITH CONTRACTOR AT CONSTRUCTION.
9. CONCRETE ELEMENTS TO BE WATER PROOFED AS FOLLOWS:
a. ROOF SLABS & INTERNAL RETAINING WALLS TO HAVE XYPEX ADDITIVE IN CONCRETE.
10. CHASES & RECESSES IN WALLS
a. NO HORIZONTAL CHASES ARE PERMITTED IN MASONRY WALLS, HORIZONTAL PIPING OR CONDUITS MAY BE RUN IN CONCRETE BEAMS OR FLOORS.
b. CONDUITS, PIPES AND SLEEVES IN MASONRY SHOULD HAVE A MINIMUM CLEAR SPACING OF 2 DIAMETERS APART.

ENGINEERING

Brisbane, McGrath Engineering Consultants Limited.
P.O. Box 688,
Princes Street, Basseterre,
St. Kitts, West Indies

K. J. CASSELL CONSULTANTS LTD Box 313
• Architects Geraldine
• Engineers Montserrat
• Project Managers 664-491-2819
Kencassell@gmail.com

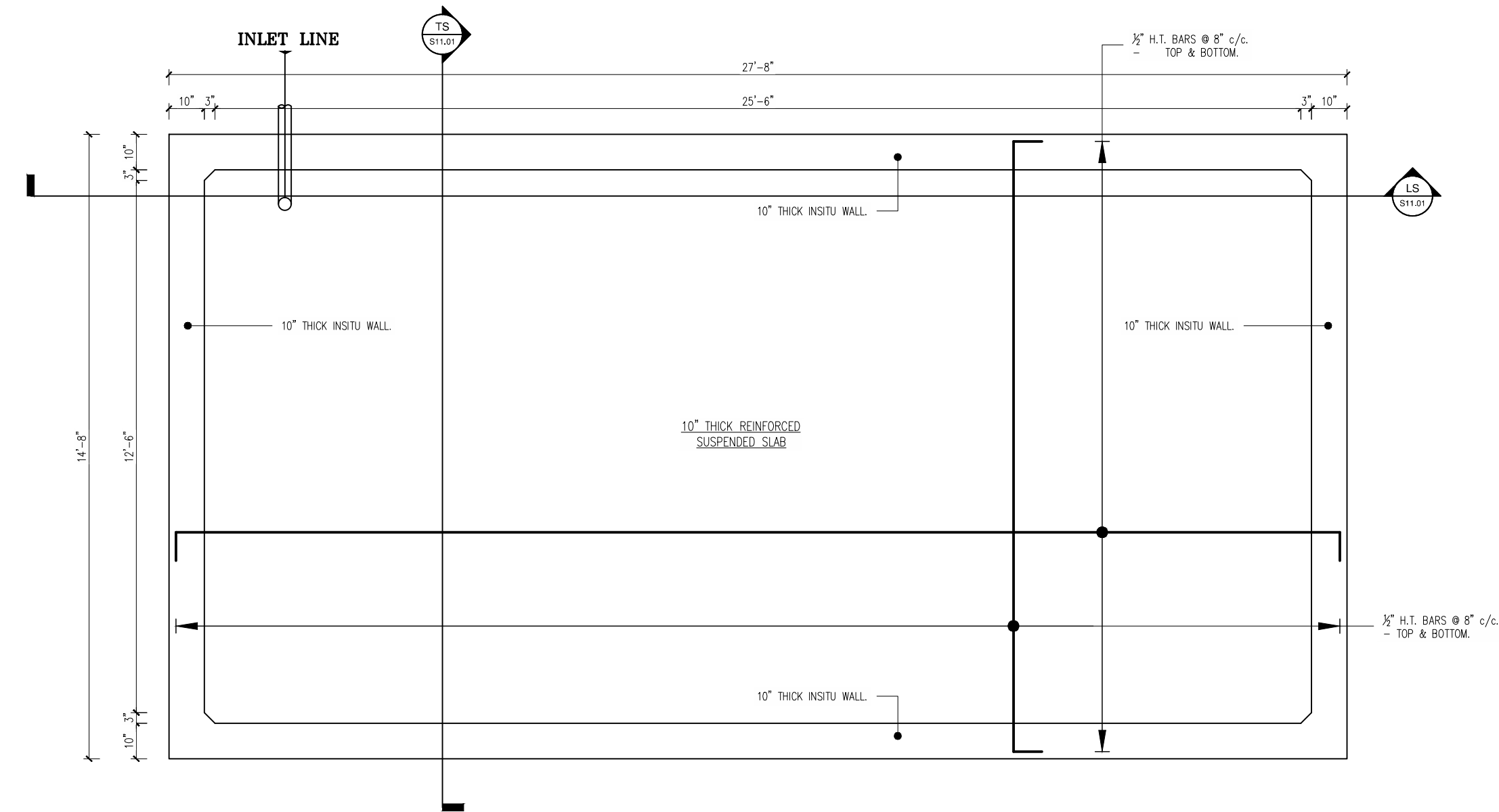
REVISIONS		NOTES	
No.	BY:	DATE	

GENERAL NOTES

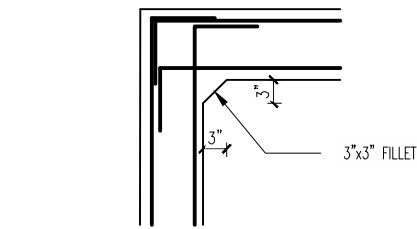
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PROJECT	
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ISSUE	
BID	
SHEET TITLE	
SITE DRAINAGE PLAN	
DATE	PROJECT NO.
DEC 2019	--
SCALE	SHEET NO.
AS SHOWN	S11.00
DRAWN	
J. PHIPPS	
CHECKED	REVIEW
R. McGrath	--

LEGEND	
	COLLECTION BOX
	6" DIA. PVC DRAIN PIPE
	8" DIA. PVC DRAIN PIPE
	12" DIA. PVC DRAIN PIPE
	FLOW DIRECTIONS
	ROAD SLOPE DIRECTION



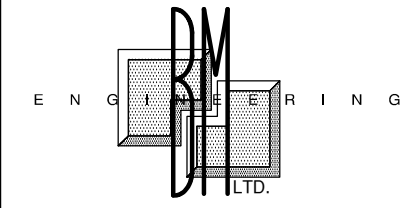
SEWAGE HOLDING TANK
SCALE: 1:24



TYP. CORNER DETAIL
SCALE: 1:16

CONSTRUCTION NOTES

1. REINFORCING STEEL HIGH YIELD (410 MPa) GENERALLY.
2. BAR BENDING RADII - 3 X BAR DIAMETER GENERALLY. (BS4466)
3. INSITU REINFORCED CONCRETE 28 DAY STRENGTHS 4000 p.s.i.
4. CONCRETE COVER TO REINFORCEMENT = 2"
5. ALL ENGINEERED BACKFILL IS TO BE APPROVED, GRADED FILL AND IS TO BE FREE FROM ALL VEGETATION AND CLAY LUMPS. - TO BE COMPACTED IN 8" LAYERS TO 98% STANDARD PROCTOR DENSITY UNLESS NOTED OTHERWISE. UNCONTROLLED BACKFILL TO BE COMPACTED IN 8" LAYERS ALSO.
6. LOCATIONS OF CONSTRUCTION JOINTS TO BE AGREED WITH CONTRACTOR AT CONSTRUCTION.
7. CONCRETE ELEMENTS TO BE WATER PROOFED WITH XPEX ADDITIVE.
8. HORIZONTAL BARS IN WALLS, BASE & ROOF OF TANK TO BE SPLICED 36". SPLICES TO BE STAGGERED.
9. 1/2" H.T. BARS TO HAVE MINIMUM 8" BENDS WHERE SHOWN.



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K. J. CASSELL CONSULTANTS LTD Box 313
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• Project Managers kencassell@gmail.com

REVISIONS NOTES

REVISION NOTES

DATE

BY:

No.

GENERAL NOTES

1. DIMENSIONS SHOULD NOT BE SCALED FROM DRAWINGS.

FINANCIAL SERVICES COMMISSION BUILDING, LITTLE BAY, MONTSERRAT

FINANCIAL SERVICES COMMISSION

ISSUE

BID

SHEET TITLE

SEWAGE HOLDING TANK DETAIL

DATE

DEC 2019

PROJECT NO.

--

SCALE

AS SHOWN

SHEET NO.

S11.01

DRAWN

J. PHIPPS

CHECKED

R. McGrath

REVIEW

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LS - LONGITUDINAL TANK SECTION
SCALE: 1:24

TS - TRANSVERSE TANK SECTION
SCALE: 1:24