

MASONRY NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS OF THE NATIONAL CONCRETE MASONRY ASSOCIATION AND BRICK INSTITUTE OF AMERICA .

2. MATERIALS:

A. HOLLOW LOAD BEARING CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C-90, GRADE "N", TYPE 1, WITH A MINIMUM ULTIMATE COMPRESSIVE STRENGTH (F'M) OF 2500 PSI ON THE NET SECTION.

B. BRICK MASONRY UNITS SHALL CONFORM TO ASTM C62/C652 AND HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH (F'M) OF 2500 PSI ON THE NET SECTION.

C. MORTAR AND GROUT

a.) MORTAR FOR STRUCTURAL MASONRY SHALL BE TYPE "S". CONFIRMING TO ASTM C270 (JOB MIXED PROPORTION SPECIFICATIONS: NCMA TEK 20 AND BIA TECHNICAL NOTES 8, 8A AND 8B) AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2500 PSI.

b.) GROUT FOR STRUCTURAL MASONRY SHALL BE FINE OR COARSE AS REQUIRED CONFORMING TO ASTM C476 AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.

c.) WHERE APPLICABLE, NON-SHRINK, NON-METALLIC HIGH STRENGTH GROUT SHALL BE "FIVE STAR GROUT" BY U.S. GROUT OR EQUAL.

3. VERTICAL CELLS TO BE FILLED WITH GROUT SHALL BE ALIGNED TO PROVIDE A CONTINUOUS, UNOBSTRUCTED OPENING OF THE DIMENSIONS SHOWN ON THE PLANS.

4. HOLLOW UNITS SHALL BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS EXCEPT THAT WEBS SHALL ALSO BE BEDDED WHERE THEY ARE ADJACENT TO CELLS TO BE REINFORCED AND/OR FILLED WITH GROUT.

5. ALL CUTTING AND FITTING OF MASONRY, INCLUDING THAT REQUIRED TO ACCOMMODATE THE WORK OF OTHER TRADES, SHALL BE DONE WITH MASONRY SAWS.

6. REINFORCING BARS FOR REINFORCED MASONRY SHALL CONFORM TO ASTM A615-60.

7. GROUT FOR FILLING REINFORCED OR NON-REINFORCED CELLS SHALL BE FLUID AND PLACED BY ACCEPTABLE PRESSURE GROUTING PROCEDURES.

8. GROUT FOR FILLING REINFORCED OR NON-REINFORCED CELLS SHALL BE PLACED IN MAXIMUM FOUR (4) FOOT LIFTS AND CONSOLIDATED IN PLACE BY VIBRATION OR OTHER METHODS WHICH INSURE COMPLETE FILLING OF THE CELLS. ALL CELLS CONTAINING REINFORCING BARS AND/OR ANCHOR BOLTS SHALL BE FULLY GROUTED.

9. POINTS OF BEARING SHALL BE ON TWO (2) COURSES OF HOLLOW MASONRY GROUTED SOLID. CHASES SHALL BE BUILT INTO WALLS, NOT CUT IN. CHASES SHALL BE PLUMB AND SHALL BE A MINIMUM OF ONE (1) MASONRY UNIT LENGTH FROM JAMBS OF WALL OPENINGS. NO CHASES OTHER THAN THOSE SHOWN ON THE DRAWINGS SHALL BE CONSTRUCTED WITHOUT PRIOR REVIEW OF THE ARCHITECT/ENGINEER.

10. REINFORCED MASONRY:

A.) ALL WALLS AND PIERS SHALL HAVE HORIZONTAL JOINT REINFORCEMENTS AT 16" O.C. CONSISTING OF TWO (2) 9 GAGE RODS WITH 9 GAGE CROSS TIES AT 16" O.C., GALVANIZED WITH 0.8 OZ. ZINC COATING. ASTM A116, CLASS 3 (TWO (2) RODS IN C.M.U. AND ONE (1) ROD IN FACE BRICK). REINFORCEMENT SHALL LAP AT CORNERS AND INTERSECTIONS.

B.) THE MINIMUM CLEAR DISTANCE BETWEEN PARALLEL BARS EXCEPT IN COLUMNS SHALL BE EQUAL TO THE NOMINAL DIAMETER OF THE BAR.

C.) VERTICAL REINFORCEMENT SHALL BE LAP SPLICED A MINIMUM OF 40 BAR DIAMETER (1'-6" MINIMUM) WHERE REQUIRED.

D.) ALL BARS SHALL BE COMPLETELY EMBEDDED IN MORTAR OR GROUT. ALL BARS SHALL HAVE A COVERAGE OF MASONRY NOT LESS THAN: BARS LARGER THAN #5 - 2" #5 BARS OR SMALLER - 1-1/2"

E.) VERTICAL REINFORCEMENT OF AT LEAST TWO #5 BARS SHALL BE PROVIDED CONTINUOUSLY FROM SUPPORT TO SUPPORT AT EACH CORNER, AT EACH SIDE OF EACH OPENING AND AT THE ENDS OF WALLS.

F.) HORIZONTAL REINFORCEMENT NOT LESS THAN ONE #4 BAR SHALL BE PROVIDED:

1. AT THE BOTTOM AND TOP OF WALL OPENINGS AND SHALL EXTEND NOT LESS THAN 24 IN. NOR LESS THAN 40 BAR DIAMETERS PAST THE OPENING.

2. CONTINUOUSLY AT STRUCTURALLY CONNECTED ROOF AND FLOOR LEVELS AND AT THE TOP OF WALLS.

3. AT THE BOTTOM OF THE WALL OR IN THE TOP OF THE FOUNDATIONS WHEN DOWELLED TO THE WALL

4. AT MAXIMUM SPACING OF 10'-0" UNLESS UNIFORMLY DISTRIBUTED JOINT REINFORCEMENT IS PROVIDED. REINFORCEMENT AT THE TOP AND BOTTOM OF OPENINGS WHEN USED IN DETERMINING THIS MAXIMUM SPACING SHALL BE CONTINUOUS IN THE WALL.

11. PROVIDE ADEQUATE TEMPORARY BRACING AS REQUIRED DURING CONSTRUCTION TO WITHSTAND LATERAL LOADS AND THE PRESSURES OF FLUID GROUT.

12. CONCRETE MASONRY SHALL BE PROTECTED FROM ABSORBING MOISTURE AND WATER WHILE AT THE PLANT, DURING SHIPMENT AND AT THE SITE DURING CONSTRUCTION.

13. ANCHORS, WALL PLUGS, ACCESSORIES AND OTHER ITEMS TO BE BUILT IN SHALL BE INSTALLED AS THE MASONRY WORK PROGRESSES. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS.

14. MASONRY WALLS SHALL BE ANCHORED TO THE FLOOR SLAB OR CURB WITH #5 DOWELS AT 24" O.C. THESE BARS SHALL BE HOOKED AND EMBEDDED INTO THE CONCRETE AND EXTEND AT LEAST 1'-6" INTO THE MASONRY AND GROUTED SOLID, UNLESS OTHER WISE SHOWN.

15. POINTS OF BEARING SHALL BE ON A MINIMUM OF TWO (2) COURSES OF HOLLOW MASONRY GROUTED SOLID.

16. WALLS WHICH TERMINATE BELOW FLOOR DECKS SHALL BE ANCHORED Laterally WITH L4"x4"x1/4" ANGLES SPACED AT 4'-0" O.C., EACH SIDE OF THE WALL.

17. PROVIDE LOOSE LINTELS FOR OPENINGS IN BRICK FACADE AS FOLLOWS:

0'-0" < OPENINGS < 4'-0" L4"x3-1/2"x5/16"

4'-0" < OPENINGS < 7'-0" L6"x3-1/2"x5/16"

STRUCTURAL STEEL NOTES

1. ALL COLUMNS, BEAMS, GIRDERS, SHALL CONFORM TO THE ASTM STANDARD A-572, GRADE 50, WITH A MINIMUM YIELD STRENGTH OF 50KSI, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.

2. STRUCTURAL STEEL FOR TUBES SHALL BE ASTM A500-GRADE B.

3. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325 OR A490. ALL BOLTS SHALL BE 3/4 INCH DIAMETER, UNLESS NOTED OTHERWISE.

4. ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO AISC "ALLOWABLE STRESS DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" AND AISC "CODE OF STANDARD PRACTICE" . LATEST EDITIONS.

5. ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS AND SHALL CONFORM TO THE AWS "CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION", LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S A5.1 GRADE E-70 BARE ELECTRODES AND GRANULAR FLUX SHALL CONFORM TO A.W.S A5.17.F70 A.W.S FLUX CLASSIFICATION.

6. THE FABRICATOR/ERECTOR SHALL SUBMIT TO THE ARCHITECT. FOR REVIEW, ENGINEERED AND CHECKED DRAWINGS SHOWING SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS AND ERECTION DIAGRAMS FOR ALL STRUCTURAL STEEL.

7. UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS, ALL CONNECTIONS SHALL BE DESIGNED AND DETAILED BY THE FABRICATOR. CALCULATIONS SHALL BEAR THE SEAL AND SIGNATURE OF A NEW YORK STATE REGISTERED PROFESSIONAL ENGINEER. DETAILING SHALL BE PERFORMED USING RATIONAL ENGINEERING DESIGN AND STANDARD PRACTICE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE GENERAL DETAILS SHOWN ON THE DRAWINGS ARE CONCEPTUAL ONLY AND DO NOT INDICATE THE REQUIRED NUMBER OF BOLTS OR WELD SIZES, UNLESS SPECIFICALLY NOTED.

8. THE MINIMUM NUMBER OF BOLTS PER CONNECTION SHALL BE TWO (2).

9. MINIMUM FILLET WELDS SHALL COMPLY WITH THE AISC. BUT SHALL NOT BE LESS THAN 1/4 INCH, UNLESS NOTED OTHERWISE.

10. SIMPLE SHEAR CONNECTIONS SHALL BE CAPABLE OF END ROTATION AS PER THE REQUIREMENTS OF THE AISC CODE FOR UNRESTRAINED MEMBERS.

11. SHOP AND FIELD TESTING OF WELDS AND BOLTS SHALL BE AS FOLLOWS:

A. ALL WELDS SHALL BE VISUALLY INSPECTED. FIFTEEN (15) PERCENT AT RANDOM SHALL BE MEASURED.

B. FILLET WELDS FOR BEAM AND GIRDER SHEAR CONNECTION PLATES (30 PERCENT AT RANDOM) SHALL BE CHECKED BY MAGNETIC PARTICLE FOR FINAL PASS ONLY.

C. ULTRASONICALLY TEST 100 PERCENT OF ALL FULL PENETRATION WELDS.

D. THE OWNER'S TESTING AGENCY SHALL PERFORM ALL SHOP AND FIELD INSPECTION AND TESTING AS OUTLINED ABOVE.

E. THE STRUCTURAL STEEL FABRICATOR AND ERECTOR SHALL SCHEDULE ALL WORK TO ALLOW THE ABOVE TESTING REQUIREMENTS TO BE COMPLETED.

12. FABRICATE BEAMS WITH NATURAL CAMBER UP.

13. AFTER FABRICATION, ALL STEEL SHALL BE CLEANED OF ALL RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS.

14. ALL EXTERIOR ELEMENT AND LOOSE LINTELS TO BE PAINTED. EXTERIOR ELEMENTS ARE ANY ELEMENTS WHICH FALL OUTSIDE THE BUILDING INSULATION. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

15. PRIOR TO APPLICATION OF SPRAYED-ON FIREPROOFING, THE CONTRACTOR SHALL REMOVE, IN THE FIELD, ALL LOOSE MILL SCALE OR RUST.

16. THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT.

17. SHOP DRAWINGS FOR STEEL CONNECTIONS, MUST BE SUBMITTED FOR APPROVAL BY STEEL CONTRACTOR.

18. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE ASIC'S "MANUAL OF STEEL CONSTRUCTION" LATEST EDITION.

19. ALL STEEL DETAILS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ASIC'S "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS"

20. ALL BEAM TO GIRDER & BEAM TO BEAM CONNECTIONS SHALL BE BOLTED, USING 3/4" DIA. A325 BEARING BOLTS, IN STANDARD HOLES, OR SLIP CRITICAL BOLTS IN OVERSIZED OR SLOTTED HOLES.

21. ALL BEAM TO BEAM & BEAM TO GIRDER CONNECTIONS SHALL BE OF TWO SIDED WEB ANGLE CONNECTIONS, PER ASIC SPECIFICATIONS, LATEST EDITION.

22. CUTS, HOLES, COPES, ETC REQUIRED FOR WORK SHALL BE SHOWN ON SHOP DRAWINGS AND MADE IN THE SHOP. CUTS OR BURNING OF HOLES IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED.

23. ALL ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 UNLESS OTHERWISE NOTED.

24. ALL CLIP ANGLES, BASE PLATES, GUSSET PLATES, COLUMN REINFORCING PLATES AND COLUMN CAP PLATES SHALL CONFORM TO ASTM STANDARD A36 UNLESS OTHERWISE NOTED.

25. ALL FIELD SPLICES AND CONNECTIONS SHALL BE WELDED OR BOLTED USING HIGH STRENGTH BOLTS.

26. SPLICES SHALL BE DESIGNED TO DEVELOP THE FULL CAPACITY OF THE MEMBER AT THE POINT OF SPlice UNLESS OTHERWISE NOTED. MEMEBERS SHALL NOT BE SPLICED AT THE POINTS OF MAXIMUM STRESS.

27. PROVIDE TEMPORARY BRACING OR GUYS TO PROVIDE LATERAL SUPPORT UNTIL PERMANENT NEW STRUCTURAL CONCRETE SLABS ARE INSTALLED AND FULLY CURED.

28. ALL WELDS NOT SPECIFICALLY CALLED OUT SHALL BE AT LEAST THE MINIMUM WELD SIZE AS SPECIFIED BY THE AISC MANUAL OF STEEL DESIGN LATEST EDITION.

29. WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING LOCATIONS SHALL BE REPEATED.

30. ALL EXISTING STEEL SHALL BE CLEANED AS A.W.S LATEST EDITION IN PREPARATION FOR WELDING NEW STEEL TO EXISTING MEMBERS.

31. ALL EXTERIOR EXPOSED STEEL MEMBERS SHALL BE HOT DIPPED GALVANIZED (G90).

STRUCTURAL CONCRETE NOTES

1. ALL CAST-IN-PLACE CONCRETE SHALL BE AIR ENTRAINED, NORMAL WEIGHT STONE CONCRETE, AND MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS, U.O.N.: FOUNDATION 4000PSI , LIGHT WEIGHT CONCRETE SLAB 3000PSI.

2. ALL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO THE STANDARDS OF ASTM A615, GRADE 60.

3. ALL WELDED WIRE FABRIC SHALL CONFORM TO THE STANDARDS OF ASTM A185.

4. ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORM; AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". ACI 318-05 AND THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315.

5. CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES, SPACING AND PLACEMENT, SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.

6. THE CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS SHOWING THE LOCATIONS OF ALL CONSTRUCTION JOINTS: CURBS, SLAB DEPRESSIONS. SLEEVES, OPENINGS. ETC.

7. ALL REINFORCING SPLICES SHALL CONFORM TO THE REQUIREMENTS OF ACI 318. BUT IN NO CASE SHALL BE LESS THAN 40 DIAMETERS, UNLESS NOTED OTHERWISE.

8. ALL WELDED WIRE FABRIC SHALL BE LAPPED TWO (2) FULL MESH PANELS AND TIED SECURELY.

9. WHERE REQUIRED, DOWELS SHALL MATCH SIZE AND NUMBER OF MAIN REINFORCING, UNLESS OTHERWISE NOTED.

10. ALL WALLS AND STRUCTURAL SLABS SHALL BE REINFORCED WITH AT LEAST #4 @12 INCHES EACH WAY. EACH FACE, UNLESS NOTED OTHERWISE. ALL SLABS-ON-GRADE SHALL BE REINFORCED WITH AT LEAST ONE (1) LAYER OF 4X4-W4.0XW4.0 W.W.M. UNLESS NOTED OTHERWISE.

11. CONSTRUCTION JOINTS IN ALL CONTINUOUS FOOTINGS, WALLS, SLABS AND BEAMS SHALL BE NOT FURTHER APART THAN 60 FEET IN ANY DIRECTION.

12. ALL ADJOINING SURFACES NOT CAST MONOLITHICALLY SHALL BE ROUGHENED TO INCH AMPLITUDE FOR THE ENTIRE INTERSECTION SURFACE ACCORDING TO ACI RECOMMENDATIONS AND SHALL BE COATED WITH BONDING COMPOUND BEFORE PLACING CONCRETE.

13. NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE WITHOUT THE ARCHITECT'S PRIOR REVIEW AND WRITTEN APPROVAL.

14. BAR SUPPORTS IN CONTACT WITH EXPOSED SURFACES SHALL BE PLASTIC TIPPED.

15. PLACE SLABS-ON-GRADE IN ACCORDANCE WITH ACI 302 "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION".

16. CONCRETE AND REINFORCING MATERIALS TO CONFORM TO THE FOLLOWING STANDARDS:

a.) PORTLAND CEMENT AS PER ASTM C 150.

b.) AIR ENTRAINING PORTLAND CEMENT AS PER ASTM C 175.

c.) CONCRETE AGGREGATES AS PER ASTM C 33.

d.) WATER SHALL BE CLEAN AND FREE OF ANY INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALIS, SALT, ORGANIC MATERIALS AND DELETERIOUS SUBSTANCES.

17. SLUMP SHALL NOT EXCEED 5" PLUS OR MINUS 1" FOR STONE AGGREGATE CONCRETE.

18. ALL REINFORCEMENT SHALL BE SECURELY HELD IN PLACE WHILE PLACING CONCRETE, IF REQUIRED ADDITIONAL BARS OR STIRRUPS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT TO ALL BARS.

19. ALL BEAMS AND SLABS SHALL BE CAST MONOLITHICALLY UNLESS OTHERWISE NOTED.

20. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS, U.O.N.: SLAB 3/4" WALLS (NON-EXPOSED TO WEATHER) 3/4" , WALLS (EXPOSED TO WEATHER) 1 1/2" BEAMS AND COLUMNS 1 1/2"

21. CONTRACTOR SHALL SUBMIT CONCRETE DESIGN MIXES TO ENGINEER FOR REVIEW AND APPROVAL.

22. ALL CONCRETE SHALL BE CONTROLLED CONCRETE AND SHALL BE TESTED IN ACCORDANCE WITH N.Y.C BUILDING CODE.

23. ALL REINFORCING BARS SHALL BE LAPPED AS INDICATED ON THE DRAWINGS, UNLESS OTHERWISE NOTED TERMINATE CONTINUOUS BARS AT DISCONTINUOUS ENDS WITH STANDARD HOOKS.

24. ALL CONCRETE SHALL BE CURED FOR A MINIMUM OF 4 DAYS, CURING SHALL BE PERFORMED BY COVERING FRESHLY PLACED CONCRETE WITH PLASTIC SHEET AND MAINTAINING SHEET IN PLACE UNTIL CONCRETE IS CURED.

25. SEE ARCHITECTURAL DRAWINGS FOR TYPE AND LOCATION OF ALL FLOOR FINISHES, FLOOR DEPRESSIONS AND CURBS.

26. SEE ARCHITECTURAL DRAWINGS FOR ALL WATERPROOFING/DAMP-PROOFING DETAILS.

27. SEE ARCHITECTURAL, HVAC, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL WALL/SLAB OPENINGS.

28. SEE SPECIFICATION SECTION "CAST-IN-PLACE CONCRETE" FOR ADDITIONAL REQUIREMENTS.

MOHAMMAD AHEAD PE
16110 84TH AVENUE,
JAMAICA, NY 11432

PROJECT ADDRESS:
1149 MYRTLE AVENUE,
BROOKLYN, NY 11206

BLOCK:3170	ZONE:
LOT:10	MAP:

PROJECT SCOPE:
1. REPLACE EXISTING WOOD JOIST IN THE CELLAR AS PER PLAN.
2. REPLACE EXISTING LOLY COLUMN IN THE CELLAR AS PER PLAN.
3. REPLACE EXISTING GIRDER IN THE CELLAR AS PER PLAN.
4. REPLACE EXISTING STEEL BEAM IN THE CELLAR AS PER PLAN.
5. REPAIR/REPLACE EXISTING BRICK AS PER PLAN.
6. REPAIR AND WATER PROOFING IN THE FOUNDATION WALL IN THE CELLAR AS PER PLAN.
7. REPLACE EXISTING METAL DECK WITH NEW CONCRETE SLAB IN THE CELLAR AS PER PLAN.

PROJECT DATE: 06.24.2023 Scale: AS INDICATED	BSA NO.:
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DRAWING TITLE:
GENERAL NOTES SHEET-2



NYC DOB APPROVAL STAMP:

SEAL & SIGNATURE



NYC DOB JOB NUMBER:
B00938658-II

DRAWING A-101.00	SHEET.: 2 OF 7
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NOTE:

- 1- EXISTING COLUMN TO BE REMOVED AND REPLACED WITH NEW AFTER TEMPORARY SHORING IS INSTALLED.REMOVE AND REPLACE ONLY ONE COLUMN AT A TIME.
- 2- EXISTING WOD JOIST TO BE REMOVED AND REPLACED WITH NEW AFTER TEMPORARY SHORING INSTALLED.
- 3- EXISTING STEEL BEAM / WOOD GIRDER TO BE REMOVED AND REPLACED AFTER TEMPORARY SHORING INSTALLED.
- 4- WORK MUST BE COMPLETED PHASE BY PHASE.CONTRACTOR MUST SUBMIT CONSTRUCTION OPERATION PHASE BY PAHSE TO THE ENGINEER BEFORE START ANY WORK.
- 5- SUBMIT SHOP DRAWING FOR SHORING BEFORE START ANY WORK.

TABULAR ENERGY ANALYSIS:
-CLIMATE ZONE 4
-COMMERCIAL ENERGY EFFICIENCT,CHAPTER R4,2020 NYCECC

ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PRESCRIBED VALUE AND CITATION	SUPPORTING DOCUMENTATION
1. REPLACE EXISTING WOOD JOIST IN THE CELLAR AS PER PLAN. 2. REPLACE EXISTING LOPY COLUMN IN THE CELLAR AS PER PLAN. 3. REPLACE EXISTING GIRDER IN THE CELLAR AS PER PLAN. 4. REPLACE EXISTING STEEL BEAM IN THE CELLAR AS PER PLAN. 5. REPAIR/REPLACE EXISTING BRICK AS PER PLAN. 6. REPAIR AND WATER PROOFING IN THE FOUNDATION WALL IN THE CELLAR AS PER PLAN. 7. REPLACE EXISTING METAL DECK WITH NEW CONCRETE SLAB IN THE CELLAR AS PER PLAN.	N/A	N/A	

*NOTE: TO THE BEST OF MY KNOWLEDGE ,BELIEF,AND PROFESSIONAL JUDGMENT,THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH COMMERCIAL CHAPTER R4 OF THE 2020 NYC ENERGY CONSERVATION CODE (NYCECC).

*NOTE: COMMISIONING IS NOT REQUIRED.

MOHAMMAD AHEAD PE
 16110 84TH AVENUE,
 JAMAICA, NY 11432

PROJECT ADDRESS:
 1149 MYRTLE AVENUE,
 BROOKLYN,NY 11206

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PROJECT DATE:
 06.24.2023
 Scale:
 AS INDICATED

BSA NO.:

DRAWING TITLE:
 SITE PLAN



NYC DOB APPROVAL STAMP:

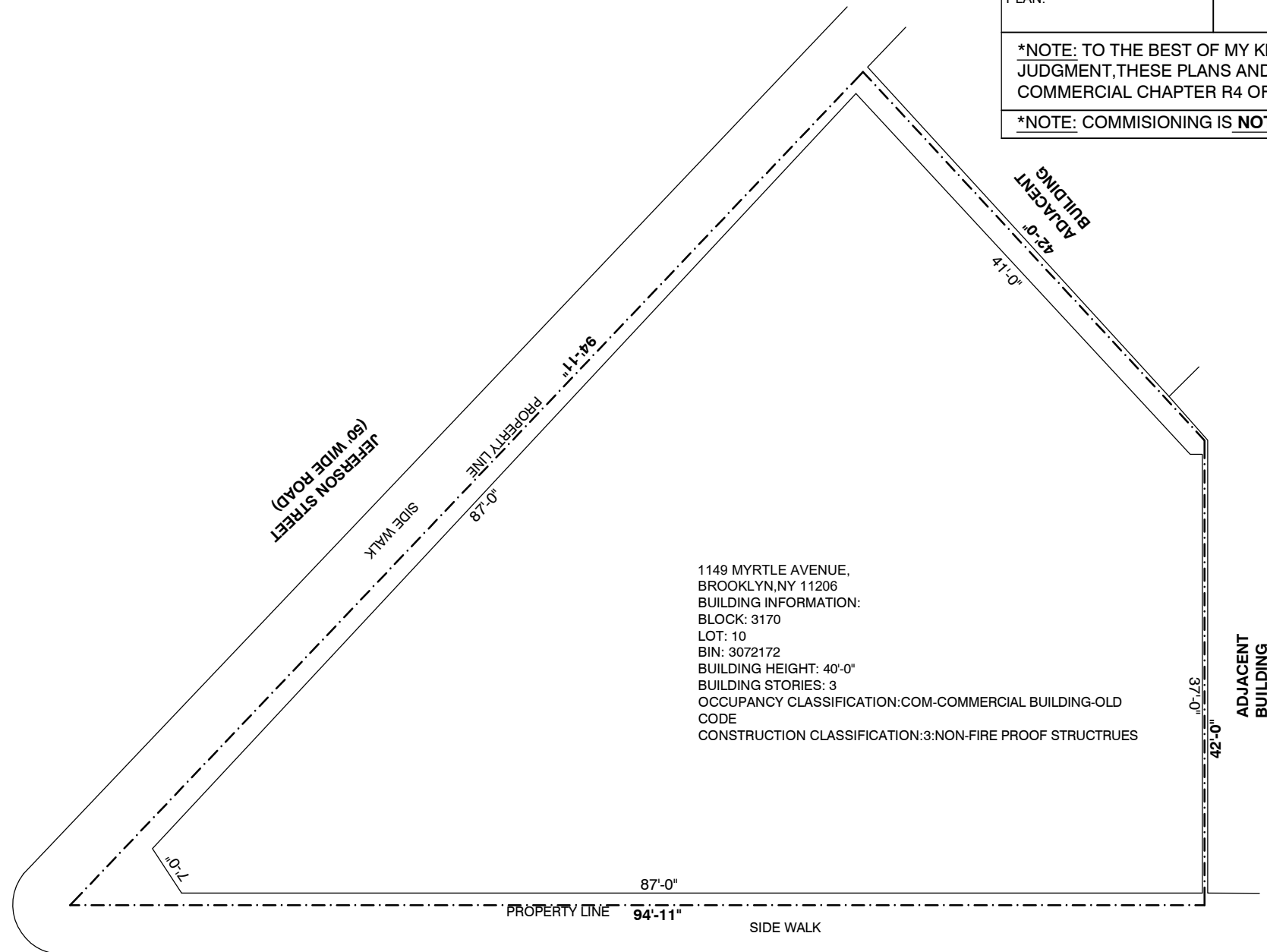
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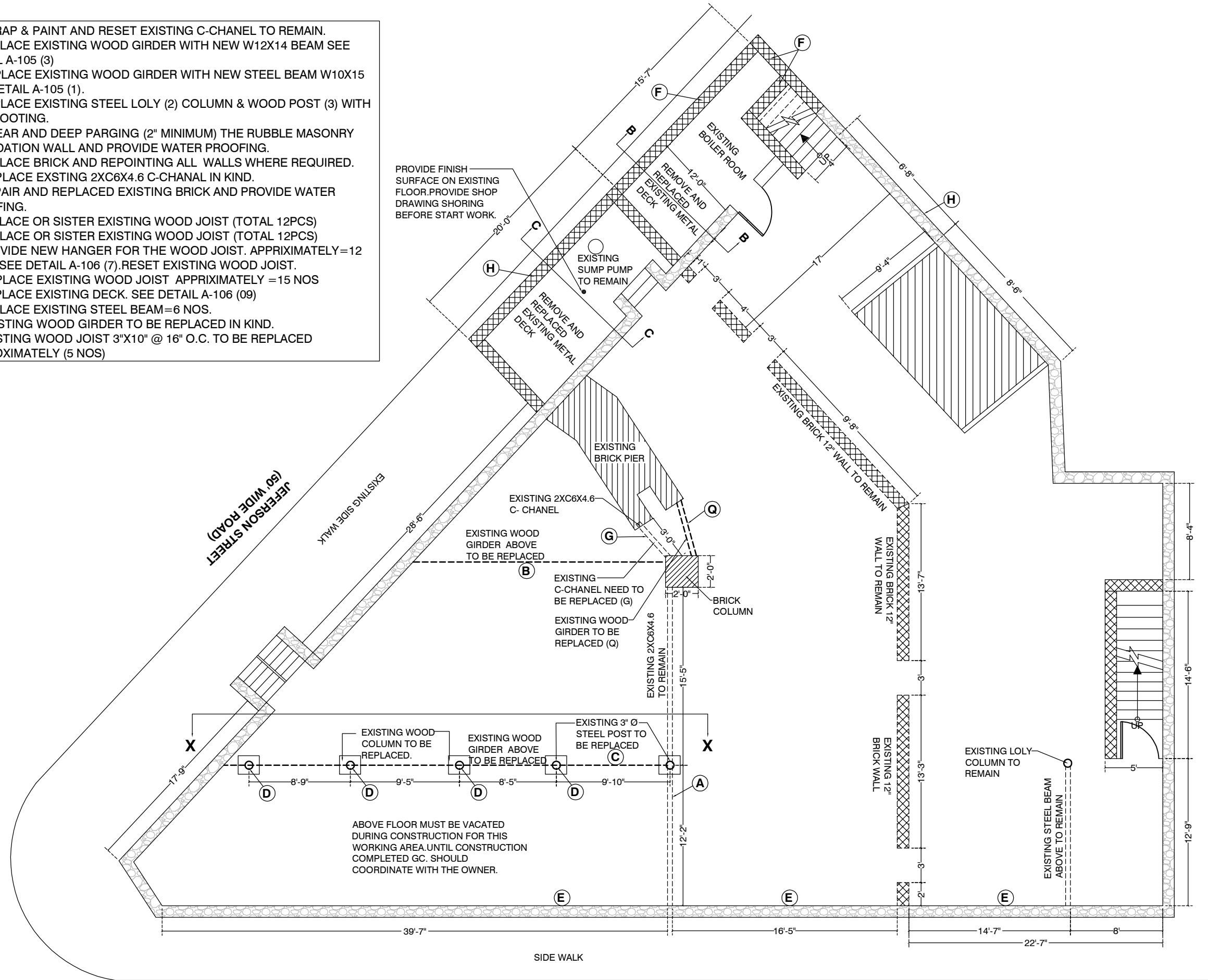
NYC DOB JOB NUMBER:
 B00938658-I1

DRAWING
 A-102.00

SHEET.:
 3 OF 7



- A- SCRAP & PAINT AND RESET EXISTING C-CHANNEL TO REMAIN.
- B- REPLACE EXISTING WOOD GIRDER WITH NEW W12X14 BEAM SEE DETAIL A-105 (3)
- C- REPLACE EXISTING WOOD GIRDER WITH NEW STEEL BEAM W10X15 SEE DETAIL A-105 (1).
- D- REPLACE EXISTING STEEL LOLY (2) COLUMN & WOOD POST (3) WITH NEW FOOTING.
- E- CLEAR AND DEEP PARGING (2" MINIMUM) THE RUBBLE MASONRY FOUNDATION WALL AND PROVIDE WATER PROOFING.
- F- REPLACE BRICK AND REPOINTING ALL WALLS WHERE REQUIRED.
- G- REPLACE EXISTING 2XC6X4.6 C-CHANAL IN KIND.
- H- REPAIR AND REPLACED EXISTING BRICK AND PROVIDE WATER PROOFING.
- J- REPLACE OR SISTER EXISTING WOOD JOIST (TOTAL 12PCS)
- K- REPLACE OR SISTER EXISTING WOOD JOIST (TOTAL 12PCS)
- L- PROVIDE NEW HANGER FOR THE WOOD JOIST. APPROXIMATELY=12 JOIST SEE DETAIL A-106 (7).RESET EXISTING WOOD JOIST.
- M- REPLACE EXISTING WOOD JOIST APPROXIMATELY =15 NOS
- O- REPLACE EXISTING DECK. SEE DETAIL A-106 (09)
- P- REPLACE EXISTING STEEL BEAM=6 NOS.
- Q- EXISTING WOOD GIRDER TO BE REPLACED IN KIND.
- R- EXISTING WOOD JOIST 3"X10" @ 16" O.C. TO BE REPLACED APPROXIMATELY (5 NOS)



ABOVE FLOOR MUST BE VACATED DURING CONSTRUCTION FOR THIS WORKING AREA. UNTIL CONSTRUCTION COMPLETED GC SHOULD COORDINATE WITH THE OWNER.

MOHAMMAD AHEAD PE
16110 84TH AVENUE,
JAMAICA, NY 11432

PROJECT ADDRESS:
1149 MYRTLE AVENUE,
BROOKLYN, NY 11206

BLOCK:3170 ZONE:
LOT:10 MAP:

- PROJECT SCOPE:
1. REPLACE EXISTING WOOD JOIST IN THE CELLAR AS PER PLAN.
 2. REPLACE EXISTING LOLY COLUMN IN THE CELLAR AS PER PLAN.
 3. REPLACE EXISTING GIRDER IN THE CELLAR AS PER PLAN.
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 5. REPAIR/REPLACE EXISTING BRICK AS PER PLAN.
 6. REPAIR AND WATER PROOFING IN THE FOUNDATION WALL IN THE CELLAR AS PER PLAN.
 7. REPLACE EXISTING METAL DECK WITH NEW CONCRETE SLAB IN THE CELLAR AS PER PLAN.

PROJECT DATE:
06.24.2023
Scale:
AS INDICATED

BSA NO.:

DRAWING TITLE:
BASEMENT / CELLAR FLOOR PLAN



NYC DOB APPROVAL STAMP:



NYC DOB JOB NUMBER:
B00938658-II

DRAWING A-103.00 SHEET.: 4 OF 7

MYRTLE AVENUE
(70' WIDE ROAD)
BASEMENT/CELLAR FLOOR PLAN
SCALE:N.T.S.

- A- SCRAP & PAINT AND RESET EXISTING C-CHANNEL TO REMAIN.
- B- REPLACE EXISTING WOOD GIRDER WITH NEW W12X14 BEAM SEE DETAIL A-105 (3)
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- E- CLEAR AND DEEP PARGING (2" MINIMUM) THE RUBBLE MASONRY FOUNDATION WALL AND PROVIDE WATER PROOFING.
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- O- REPLACE EXISTING DECK. SEE DETAIL A-106 (09)
- P- REPLACE EXISTING STEEL BEAM=6 NOS.
- Q- EXISTING WOOD GIRDER TO BE REPLACED IN KIND.
- R- EXISTING WOOD JOIST 3"X10" @ 16" O.C. TO BE REPLACED APPROXIMATELY (5 NOS)

NOTE:
 WORK MUST BE COMPLETED PHASE BY PHASE.CONTRACTOR MUST SUBMIT CONSTRUCTION OPERATION PHASE BY PAHSE TO THE ENGINEER BEFORE START ANY WORK.

MOHAMMAD AHEAD PE
 16110 84TH AVENUE,
 JAMAICA, NY 11432

PROJECT ADDRESS:
 1149 MYRTLE AVENUE,
 BROOKLYN, NY 11206

BLOCK:3170 ZONE:
 LOT:10 MAP:

- PROJECT SCOPE:
1. REPLACE EXISTING WOOD JOIST IN THE CELLAR AS PER PLAN.
 2. REPLACE EXISTING LOLY COLUMN IN THE CELLAR AS PER PLAN.
 3. REPLACE EXISTING GIRDER IN THE CELLAR AS PER PLAN.
 4. REPLACE EXISTING STEEL BEAM IN THE CELLAR AS PER PLAN.
 5. REPAIR/REPLACE EXISTING BRICK AS PER PLAN.
 6. REPAIR AND WATER PROOFING IN THE FOUNDATION WALL IN THE CELLAR AS PER PLAN.
 7. REPLACE EXISTING METAL DECK WITH NEW CONCRETE SLAB IN THE CELLAR AS PER PLAN.

PROJECT DATE:
 06.24.2023
 Scale:
 AS INDICATED

BSA NO.:
 DRAWING TITLE:
 BASEMENT / CELLAR ROOF FRAMING PLAN



NYC DOB APPROVAL STAMP:

SEAL & SIGNATURE

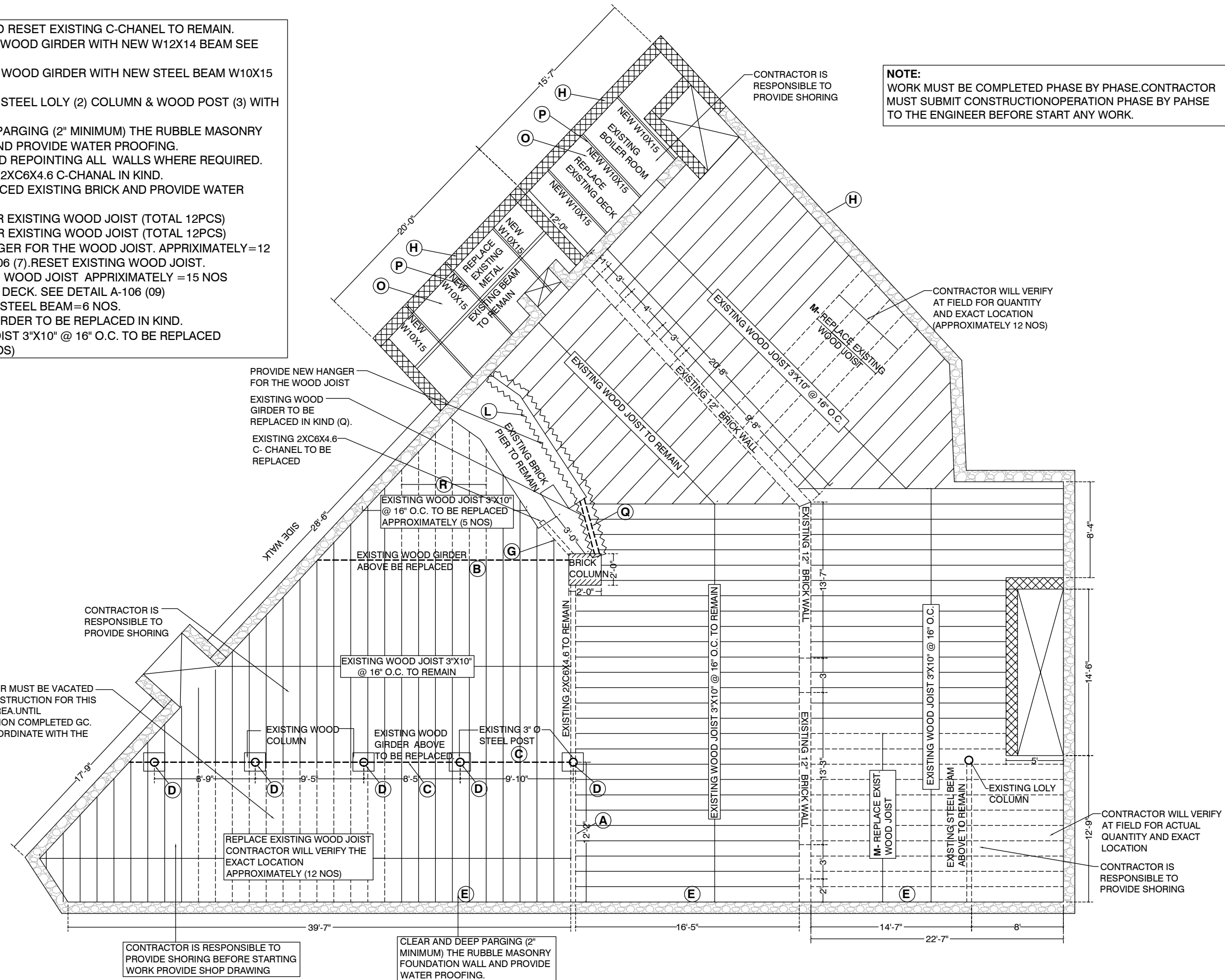


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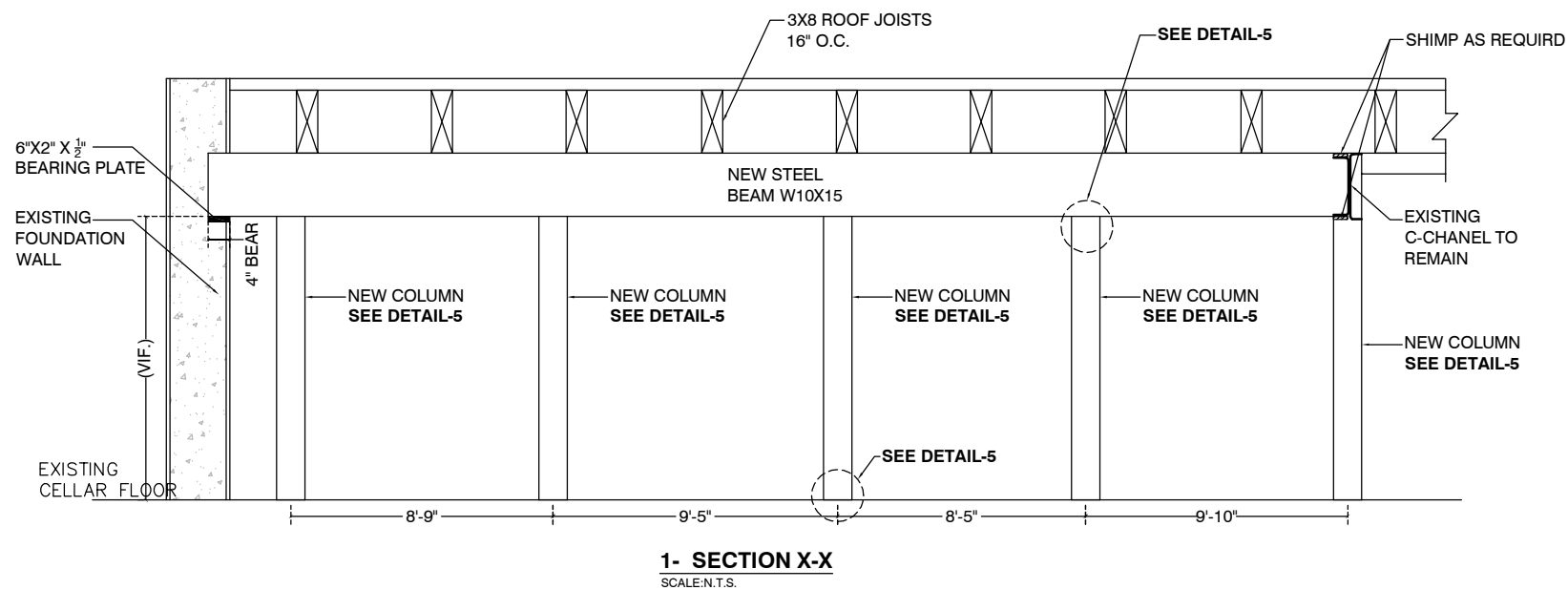
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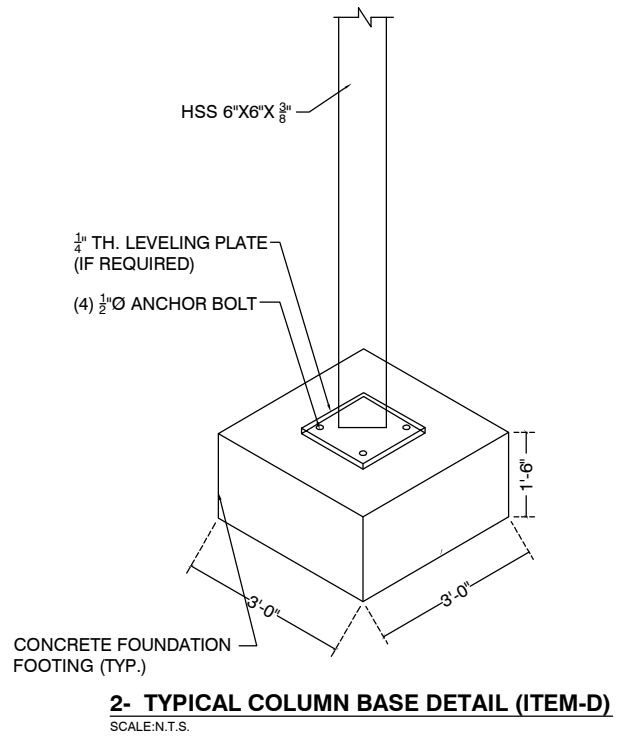
SHEET.:
 5 OF 7



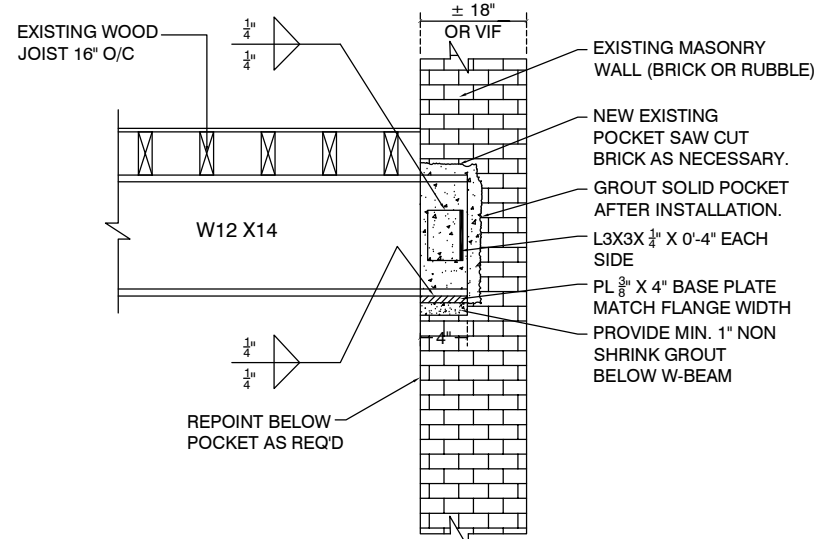
BASEMENT/CELLAR ROOF FRAMING PLAN
 SCALE: N.T.S.



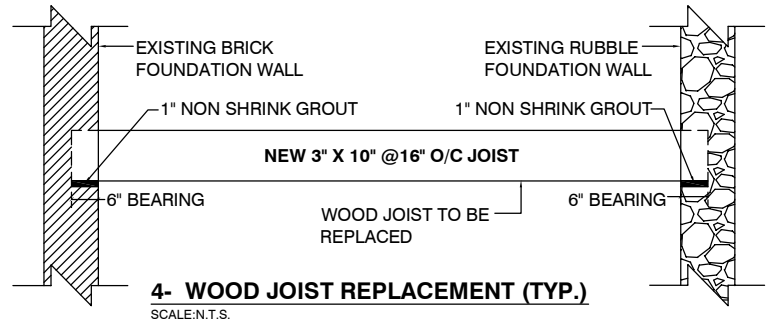
1- SECTION X-X
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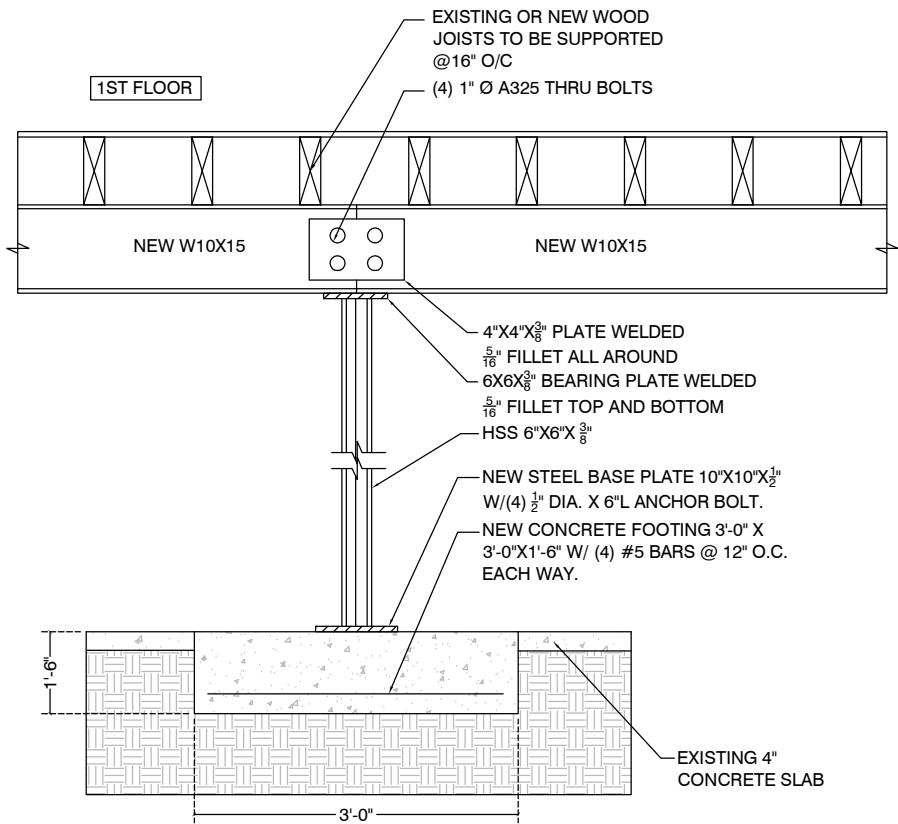
2- TYPICAL COLUMN BASE DETAIL (ITEM-D)
SCALE:N.T.S.



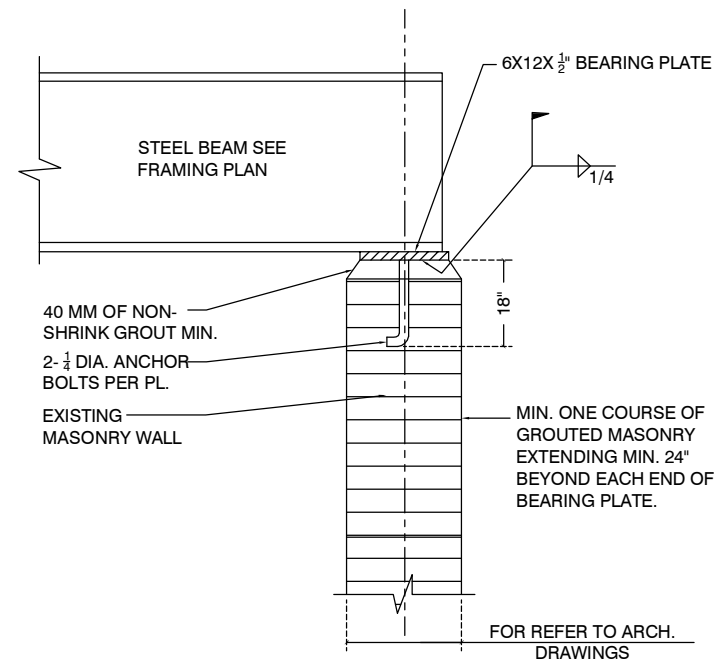
3- STEEL BEAM POCKET DETAIL (BEARING DETAIL)
SCALE:N.T.S.



4- WOOD JOIST REPLACEMENT (TYP.)
SCALE:N.T.S.



5- NEW CELLAR GIRDER, COLUMN AND FOOTING
SCALE:N.T.S.



6- BEAM BEARING ON MASONRY WALL (TYP.)
SCALE:N.T.S.

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LOT:10 MAP:

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BSA NO.:

DRAWING TITLE:
DETAIL SHEET-1



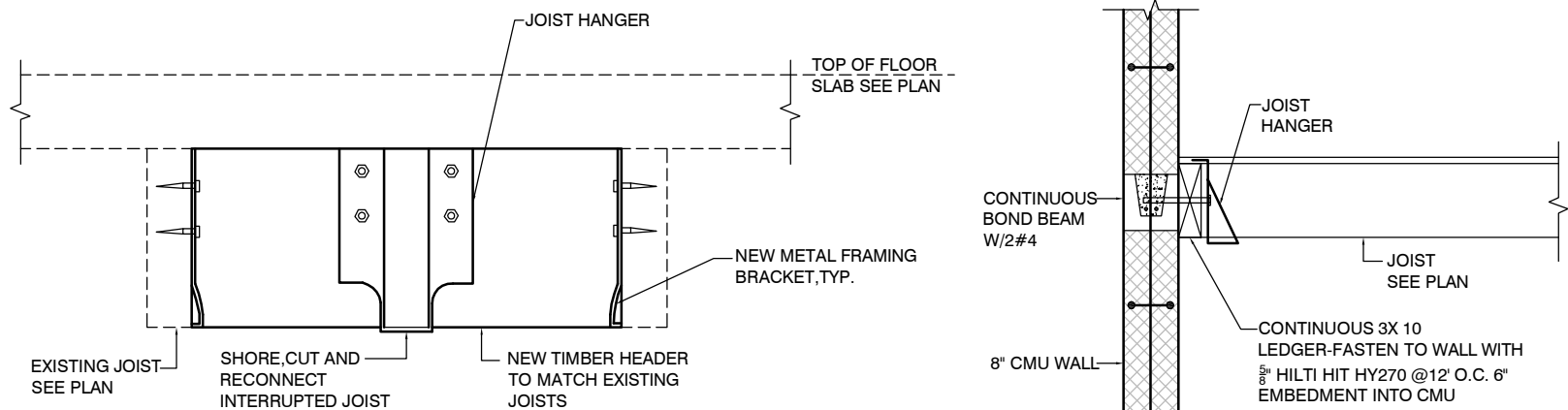
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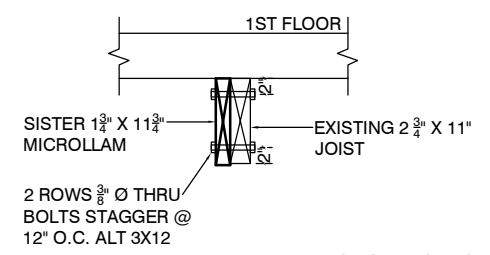
NYC DOB JOB NUMBER:
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SHEET.:
6 OF 7

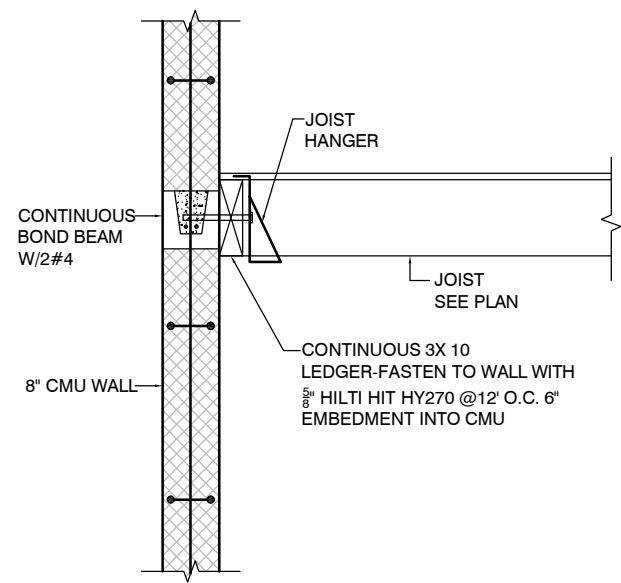


HANGER REPLACEMENT DETAIL
SCALE: N.T.S.

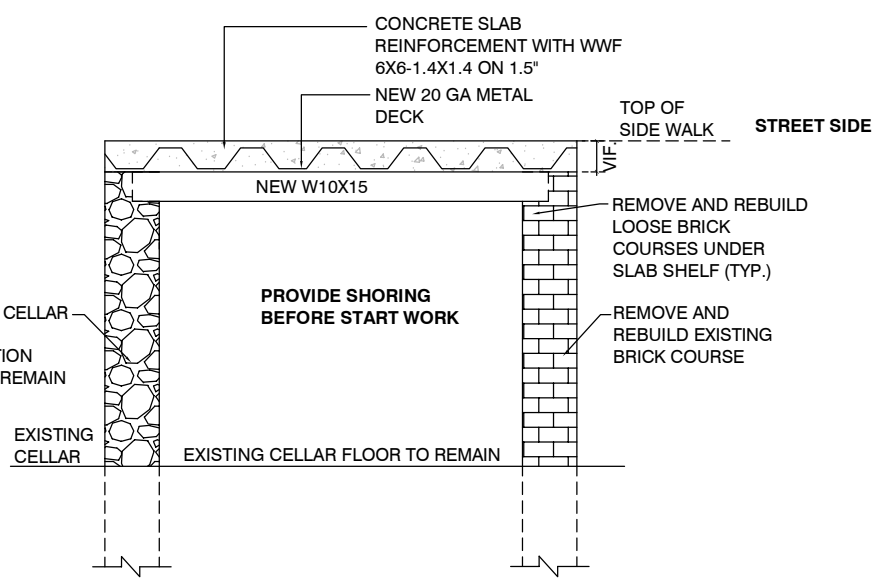


DEPRESSED JOIST DETAIL (TYP.)
SCALE: N.T.S.

7- JOIST REPAIR/REPLACEMENT DETAIL / JOIST HANGER INSULATION DETAIL

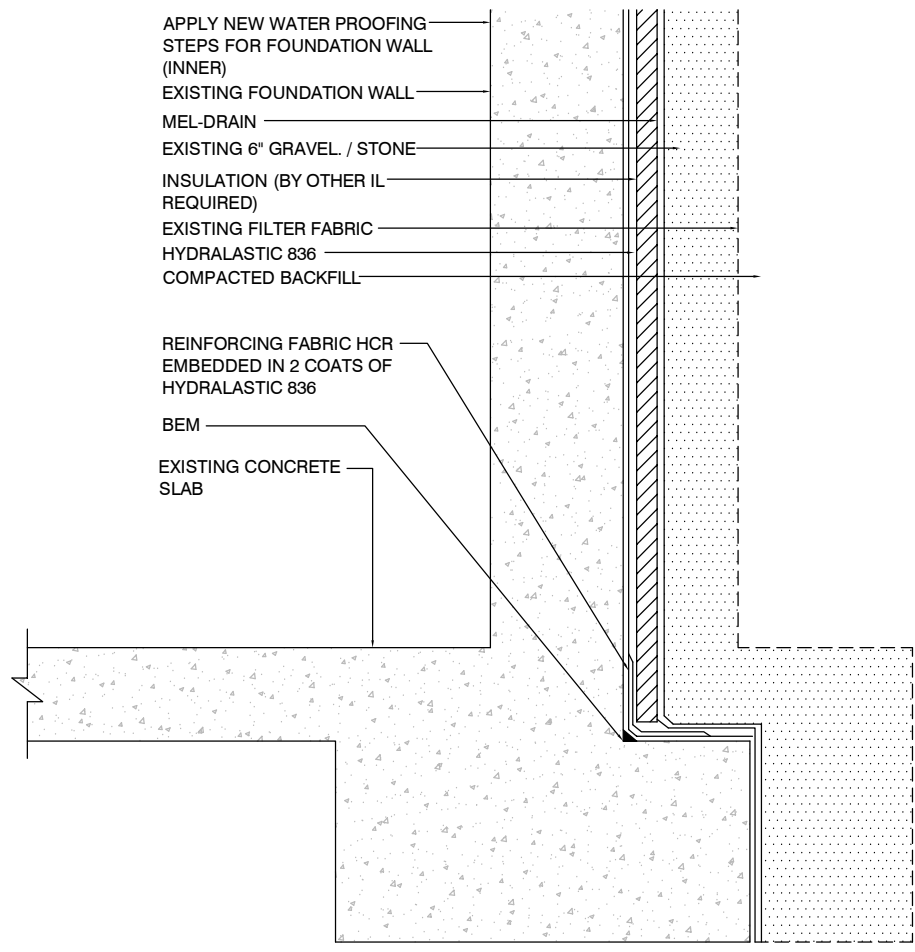


JOIST NOTCH REPAIR DETAIL (TYP.)
SCALE: N.T.S.



9- SECTION B-B & C-C
SCALE: N.T.S.

- WATER PROOFING STEPS FOR WALL (INNER)**
1. REMOVE ANY PAINTS, TILE ADHESIVE CHLORESCENCE FROM THE WALL.
 2. REMOVE ALL LOOSE MORTAR, DUST AND DIRT.
 3. FILL ALL CRAKS ,GAPS WITH HYDRAULIC CEMENT.
 4. APPLY A MASONRY WATER PROFING MATERIAL TO THE WALL.



8- EXISTING FOUNDATION WALL WATER PROOFING (TYP.)
SCALE: N.T.S.

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LOT: 10 MAP:

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1. REPLACE EXISTING WOOD JOIST IN THE CELLAR AS PER PLAN.
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Scale:
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BSA NO.:

DRAWING TITLE:
DETAIL SHEET-2



NYC DOB APPROVAL STAMP:



NYC DOB JOB NUMBER:
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A-106.00

SHEET:
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