2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS

3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCING, SCHEDULING AND SAFETY FOR THIS PROJECT 4. THE CONTRACTOR SHALL VISIT THE SITE AND BE THOROUGHLY AQUATINTED WITH THE PROJECT PRIOR TO SUBMITTING A PRICE. ADDITIONAL MONEY WILL NOT BE GRANTED FOR WORK NOT CLARIFIED PRIOR TO BIDDING.

5. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS SPECIFICATIONS OR FIELD CONDITIONS TO THE ARCHITECT IMMEDIATELY. 6. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY WORK DAMAGED BY HIS FORCES WHILE PERFORMING THIS CONTRACT

7. THE CONTRACTOR SHALL GIVE A WARRANTY FOR HIS WORK FOR A PERIOD OF ONE

YEAR FROM THE DATE OF FINAL COMPLETION. FOUNDATION NOTES:

1. ALL FOUNDATION FOOTINGS SHALL BE CARRIED DOWN TO A MINIMUM

OF 4'-0" BELOW FINISH GRADE, OR DEEPER, IF NECESSARY, TO OBTAIN A SAFE SOIL BEARING PRESSURE OF 2 TONS PER SQUARE FOOT, FOUNDATION DESIGN IS BASED ON ASSUMED SOIL BEARING CAPACITY OF 2 TONS PER SQUARE FOOT.

2. ALL FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL; OR, ON ENGINEERED BANK RUN GRAVEL FILL MATERIAL WITH A MINIMUM DRY DENSITY OF 95%.

3. ALL FOOTING SHALL BE POURED IN THE DRY ONLY. WATER SHALL NOT BE ALLOWED TO FLOW THROUGH THE DEPOSITED CONCRETE.

4. NO FOOTING SHALL BE POURED ON FROZEN GROUND. FOUNDATIONS NEED TO BE PROTECTED FROM FREEZING FOR A MIN OF 5 DAYS AFTER THEY WERE POURED.

5. THE MINIMUM REINFORCING FOR ALL FOUNDATION WALLS SHALL BE 2-#6 BARS AT THE TOP AND BOTTOM, CONTINUOUS; OR, AS SHOWN ON DRAWINGS.

6. LAP ALL BARS 40 DIAMETERS AND PROVIDE CORNER BARS.

7. ALL REINFORCEMENT: ASTM A615-60, WWF A185.

CONCRETE NOTES:

1. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH

FOR BASEMENT SLABS, FOUNDATION WALL, EXTERIOR WALLS AND OTHER VERTICAL CONCRETE SURFACES EXPOSED TO THE WEATHER

FOR DRIVEWAYS, CURBS, WALKS, PATIOS, PORCHES, CARPORT SLAB, STEPS AND OTHER FLATWORK EXPOSED TO WEATHER AND GARAGE FLOOR SLABS

2. MAXIMUM SLUMP SHALL NOT EXCEED 3"; AND MAXIMUM; COARSE

AGGREGATE SIZE SHALL NOT EXCEED 3/4" IN DIAMETER.

3. ALL CONCRETE SLABS ON GRADE SHALL BE POURED IN 900 SQUARE FOOT PANELS, MAXIMUM; OR, PROVIDE CONTROL JOINTS BY SAW CUTTING THE SLAB WHILE THE CONCRETE IS STILL GREEN

REINFORCING NOTES:

- 1. ALL REINFORCEMENT, EXCEPT FOR TIES AND STIRRUPS, SHALL CONFORM TO ASTM 615-60.
- 2. ALL REINFORCEMENT FOR TIES AND STIRRUPS SHALL CONFORM TO ASTM 615-40.
- 3. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185-70 SPECIFICATIONS.
- 4. ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED BY THE ARCHITECT OR HIS ENGINEER PRIOR TO THE PLACEMENT OF ANY CONCRETE.
- THE CONTRACTOR SHALL SUBMIT FOUR PRINTS OF SHOP DRAWINGS: SHOWING ALL REINFORCING DETAILS, CHAIR BARS, HIGH CHAIRS, SLAB BOLSTERS, ETC. TO THE ARCHITECT FOR HIS APPROVAL. THE CONTRACTOR SHALL RECEIVE WRITTEN APPROVED SHOP DRAWINGS FROM THE ARCHITECT OR HIS ENGINEER PRIOR TO THE
- FABRICATION OF REINFORCEMENT. CLEARANCES OF MAIN REINFORCING FROM ADJACENT CONCRETE SURFACES

SHALL BE AS FOLLOWS:

A. FOOTINGS

3 INCHES

B. SIDES OF FOUNDATIONS WALLS. EXPOSED FACES OF FOUNDATIONS.

SIDES OF COLUMNS/PIERS, SLABS

2 INCHES ON GRADE FROM TOP SURFACE C. INTERIOR FACES OF FOUNDATIONS,

TOP REINFORCING IN SLABS EXPOSED

1-1/2 INCHES TO THE WEATHER D. TOP STEEL OF INTERIOR SLABS 1 INCHES

MAXIMUM DEVIATION FROM THESE REQUIREMENTS SHALL BE 1/4" OF SECTIONS 10" OR LESS. 1/2" FOR SECTIONS GREATER THAN 10".

NOTE: THERE HAS BEEN NO SOIL TESTING PROVIDED TO THIS OFFICE FOR THIS PROJECT. THE DESIGNING ARCHITECT OR STRUCTURAL ENGINEER ACCEPTS NO RESPONSIBILITY FOR EXISTING SOIL CONDITIONS. ANY SOIL BEARING CAPACITY OF THIS FOUNDATION SYSTEM IS DESIGNED BASED ON A 2 TON MINIMUM SOIL BEARING CAPACITY. IT SHALL BE THE CONTRACTORS OR OWNERS' RESPONSIBILITY TO DETERMINE SUITABLE SOIL CONDITIONS AND VERIFY THE BEARING PRESSURE. IF A SUITABLE SOIL THAT CAN WITHSTAND A 2 TON BEARING CAPACITY IS NOT AVAILABLE, THIS OFFICE SHOULD BE CONTACTED BY THE CONTRACTOR OR OWNER FOR A FOUNDATION REDESIGN.

STEEL NOTES:

1. ALL COLUMNS: A36, STEEL PIPE, A46 STEEL TUBE.

2. BOLTS: A325, ANCHOR BOLTS: A307.

STRUCTURAL STEEL NOTES:

- 1. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 SPECIFICATIONS, EXCEPT SQUARE STEEL TUBE COLUMNS.
- 2. ALL SQUARE STEEL TUBE COLUMNS SHALL CONFORM TO ASTM A500, WITH A MINIMUM YIELD STRESS OF 46,000 PSI.
- 3. ALL SHOP CONNECTIONS SHALL BE WELDED.
- 4. FIELD CONNECTION SHALL BE MADE WITH HIGH STRENGTH FRICTION BOLTS MEETING A325-X SPECIFICATIONS.
- 5. ALL BOLTS SHALL BE 3/4" IN DIAMETER, OR AS NOTED ON DRAWINGS. HOLES SHALL BE 1/16" LARGER.
- 6. ALL STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RUST INHIBITIVE PAINT; SUCH AS TNEMEC-99, OR RUST INHIBITOR BY "MAINLINE". OR, PAINT, AS NOTED IN THE SPECIFICATIONS
- 7. AFTER STRUCTURAL STEEL ERECTION IS IN PLACE, ALL EXPOSED AREAS SHALL BE TOUCHED UP. SEE SPECIFICATIONS ON PAINTING
- 8. PROVIDE 3/4: GROUT, 3,000 PSI, AND 1/4" THICK LEVELING PLATES UNDER ALL COLUMN BASE PLATES, WITH FOUR (4) 3/4" DIAMETER x 16" LONG ANCHOR BOLTS; OR AS NOTED.
- 9. PROVIDE A MINIMUM OF 8" BEARING ON EACH SIDE OF LINTELS AND HEADERS OVER DOORS, WINDOWS, LOUVERS,
- 10. THE CONTRACTOR SHALL SUBMIT A REPRODUCIBLE SEPIA AND FOUR PRINTS OF SHOP DRAWINGS; SHOWING ALL STRUCTURAL STEEL SIZES, CONNECTIONS AND DETAILS, TO THE ARCHITECT FOR HIS APPROVAL. FABRICATION OF STRUCTURAL STEEL MEMBERS SHALL NOT BEGIN WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT OR HIS ENGINEER.
- 11. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE LATEST COMMONWEALTH OF MASSACHUSETTS BUILDING CODE AND THE STRUCTURAL STEEL INSTITUTE SPECIFICATIONS FOR BUILDINGS AND BRIDGES.

WOOD NOTES:

- 1. ALL LUMBER SHALL HAVE A MOISTURE CONTENT OF NOT MORE THAN 19%.
- 2. ALL FRAMING LUMBER SHALL BE #2 HEM-FIR, OR BETTER, HAVING A MINIMUM FB=1,200 PSI, FV=70 PSI, E=1,300,000 PSI.
- 3. ALL L.V.L. LUMBER DENOTED ON PLANS SHALL HAVE A MINIMUM:
- FB=2,650 PSI, FV=285 PSI, E=1,900,000 PSI FOR STUDS
- FB-3100 PSI, FV=285 PSI, E=2,000,000 PSI FOR BEAMS
- 4. ALL JOIST SPANS SHALL HAVE ONE ROW OF 1" X 3: CROSS BRIDGING AT MID SPAN
- AND NOT MORE THAN 8'-O" O.C.
- 5. ALL STUD BEARING WALLS SHALL HAVE ONE ROW OF 2X HORIZONTAL BLOCKING AT 1/2 STUD HEIGHT, AND NOT MORE THAN 6'-O" O.C. MAXIMUM.
- 6. PROVIDE AND INSTALL ALL NECESSARY TIMBER CONNECTORS WITH ADEQUATE STRENGTH.
- 7. PROVIDE DOUBLE JOIST BELOW PARTITIONS PARALLEL TO JOIST FRAMING.
- 8. PROVIDE SOLID BRIDGING BELOW PARTITIONS PERPENDICULAR TO JOIST FRAMING.
- 9. PROVIDE SOLID BRIDGING BETWEEN JOIST FRAMING MEMBERS WHEN BEARING ON STUD PARTITIONS OR BEAMS.
- 10. PROVIDE A CONTINUOUS BAND JOIST AT EXTERIOR STUD WALLS.
- 11. PROVIDE DIAGONAL METAL STRAP BRACING AT ALL CORNERS AND WALL INTERSECTIONS, AT THE
- INSIDE FACE OF STUDS, FROM TOP PLATE TO FLOOR PLATE AT A 45 DEGREE ANGLE WITH A SIMPSON TYPE
- 12. ALL BUILT-UP BEAMS SHALL BE BOLTED WITH ½" □ THRU BOLTS, MEETING A307 STANDARDS, OR, AS

WOOD LINTEL SCHEDULE:

Lintels over openings in bearing walls shall be as follows; or as noted on drawings.

Span of opening: Size: 2x4 studs 2 - 2x4 less than 4'-0" 3 - 2x4 up to 6'-0" 3 - 2x6 2 - 2x6 up to 8'-0" 2 - 2x83 - 2x83 - 2x10up to 10'-0" 2 - 2x10

DESIGN CRITERIA:

ALL WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE **SEVENTH EDITION** OF THE MASSACHUSETTS BUILDING CODE.

DESIGN LIVE LOAD =40 POUNDS PER SQUARE FOOT

= 100 POUNDS PER SQUARE FOOT

- DECK AND STAIRS DESIGN SNOW LOAD = 45 POUNDS PER SQUARE FOOT + 40 POUNDS PER SQUARE FOOT DRIFT

WHERE APPLICABLE. = 105 MILES PER HOUR WIND LOAD SEISMIC:

 $S_S = 0.29$ S1 = 0.068

> STRUCTURAL STEEL COLUMNS SHALL HAVE A MINIMUM YIELD STRESS OF 36,000 POUNDS PER SQUARE INCH.

ALL LUMBER SHALL BE NO. 2 HEM FIR, Fy= 1200 PSI, Fv=120 PSI.

Gross	s Area
Level	Area
1ST FLOOR	1440 SF
2ND FLOOR	1531 SF
3RD FLOOR	1536 SF
Total	4507 SF

ALLOWABLE FAR = SITE(5625) X 0.8 = 4500 SF

PROPOSED 2 NEW TOWNHOUSES

6 BURTON AVENUE ROXBURY, MA, 02119



BURTON STREET VIEW

CODE SUMMARY

NEW TYPE 5A CONSTRUCTION TYPE R3 TWO FAMILY RESIDENCE 3 STORIES

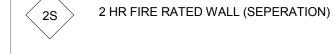
ZONING SUMMARY

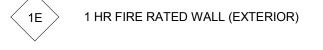
3F-4,000	MIN. LOT SIZE	F.A.R.	MIN. LOT AREA PER ADD. UNIT	OVERALL LOT AREA	MAX. HEIGHT	SETBACK FRONT	SETBACK EA. SIDE	SETBACK REAR	MIN. OPEN SPACE PER UNIT	MIN. PARKING SPACES PER UNIT
REQUIRED	2000 FOR 1 UNIT	0.8	2000	4000	35'	20'	10'	EX'G SHALLOW LOT REDUCTION 17'-6"	650 SQ. FT. PER UNIT	1.0
PROPOSED	2000 FOR 1 UNIT	0.8	2000	5625	34'-10"	20'	10' AND 22'	19'-6"	1019 SQ. FT. PER UNIT	1.0

LEGEND

CARBON MONOXIDE DETECTOR

SMOKE DETECTOR 1 HR FIRE RATED WALL







WINDOW TYPE



COVER SHEET

Sheet No.

A-0

Description

CCompany, Inc.

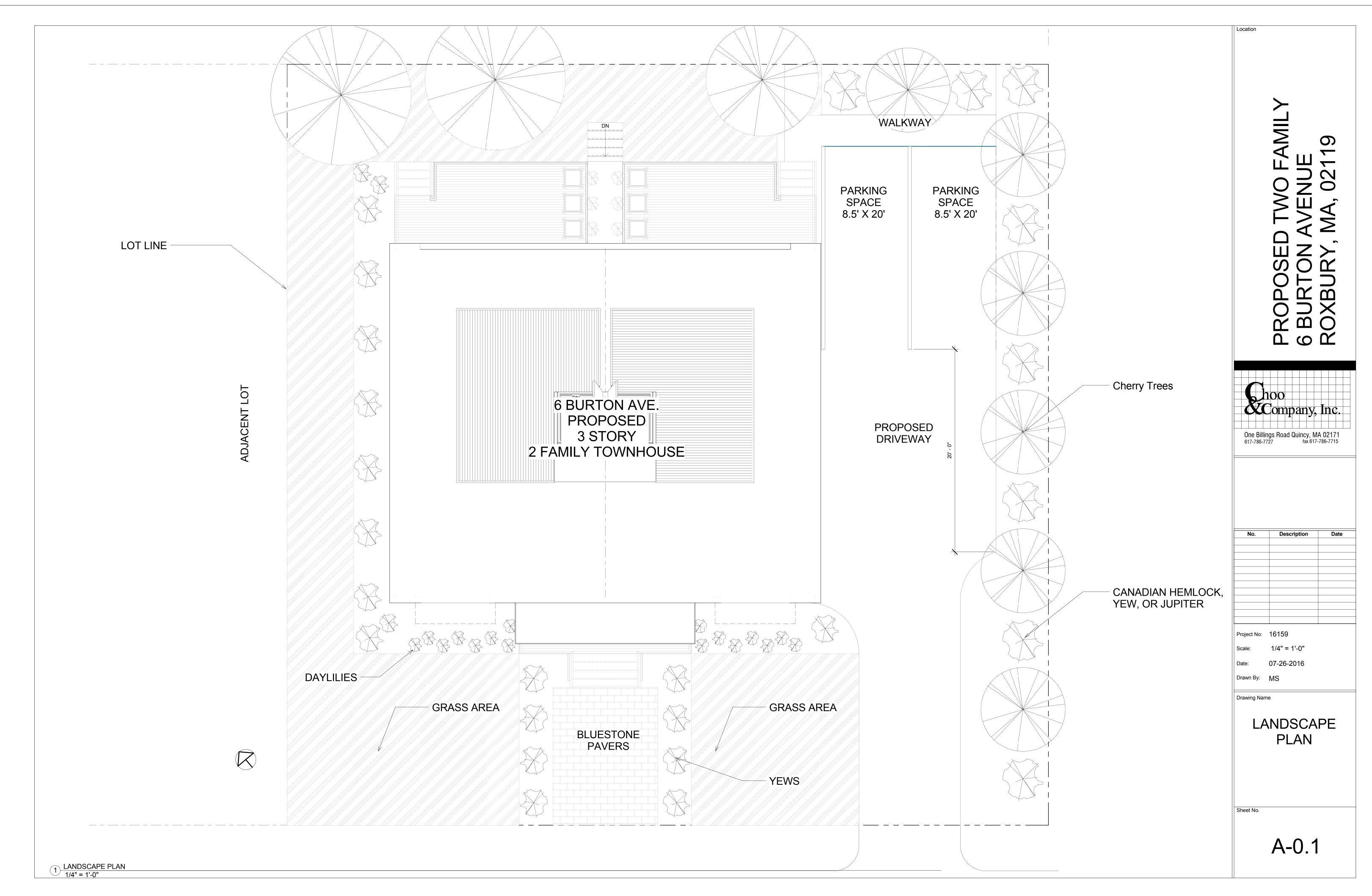
One Billings Road Quincy, MA 02171 617-786-7727 fax 617-786-7715

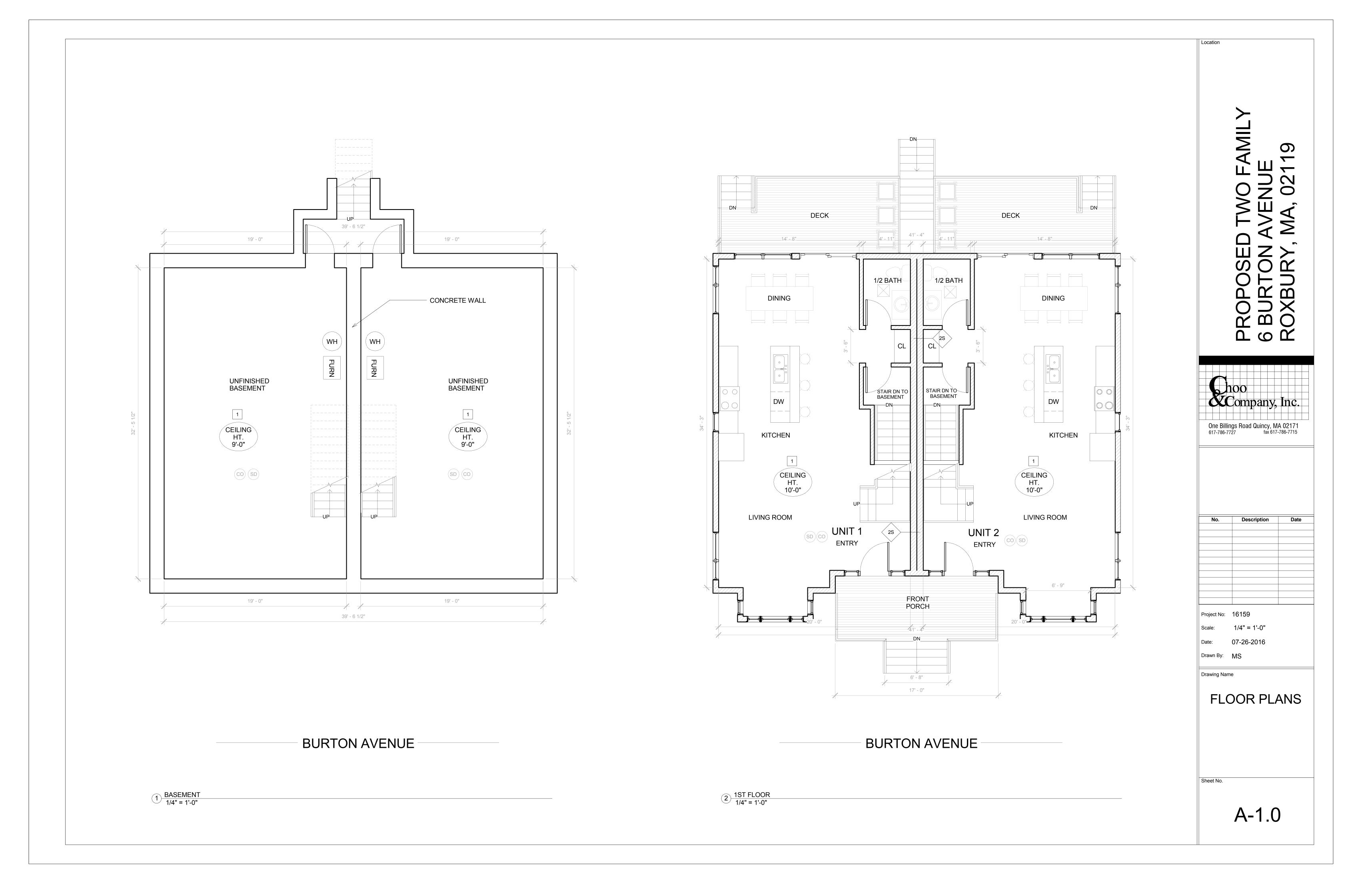
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Project No: 16159 As indicated 07-26-2016

Drawing Name

Drawn By: MS







One Billings Road Quincy, MA 02171
617-786-7727 fax 617-786-7715

No.	Description	Date

Project No: 16159

Scale: 1/4" = 1'-0"

Date: 07-26-2016

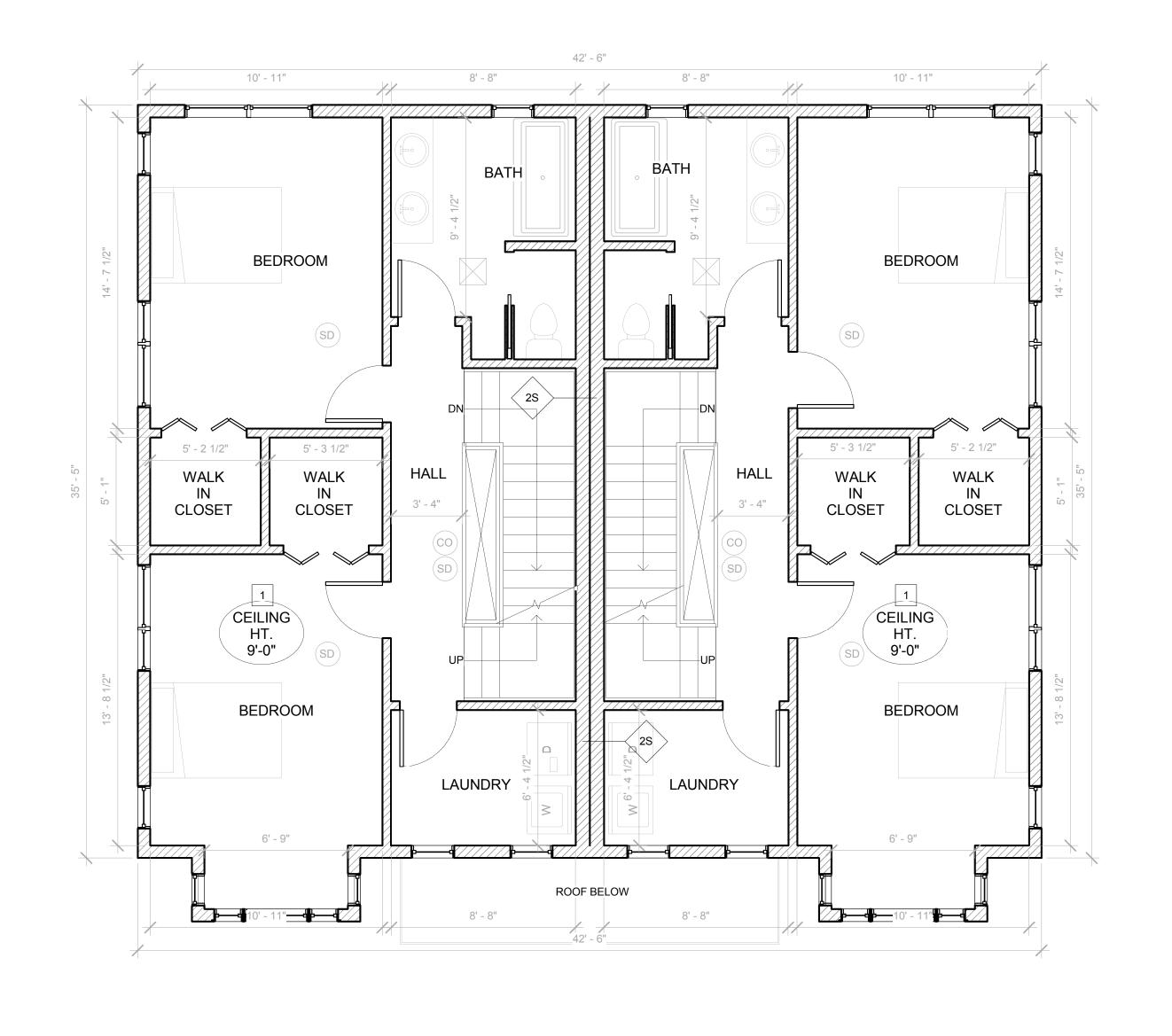
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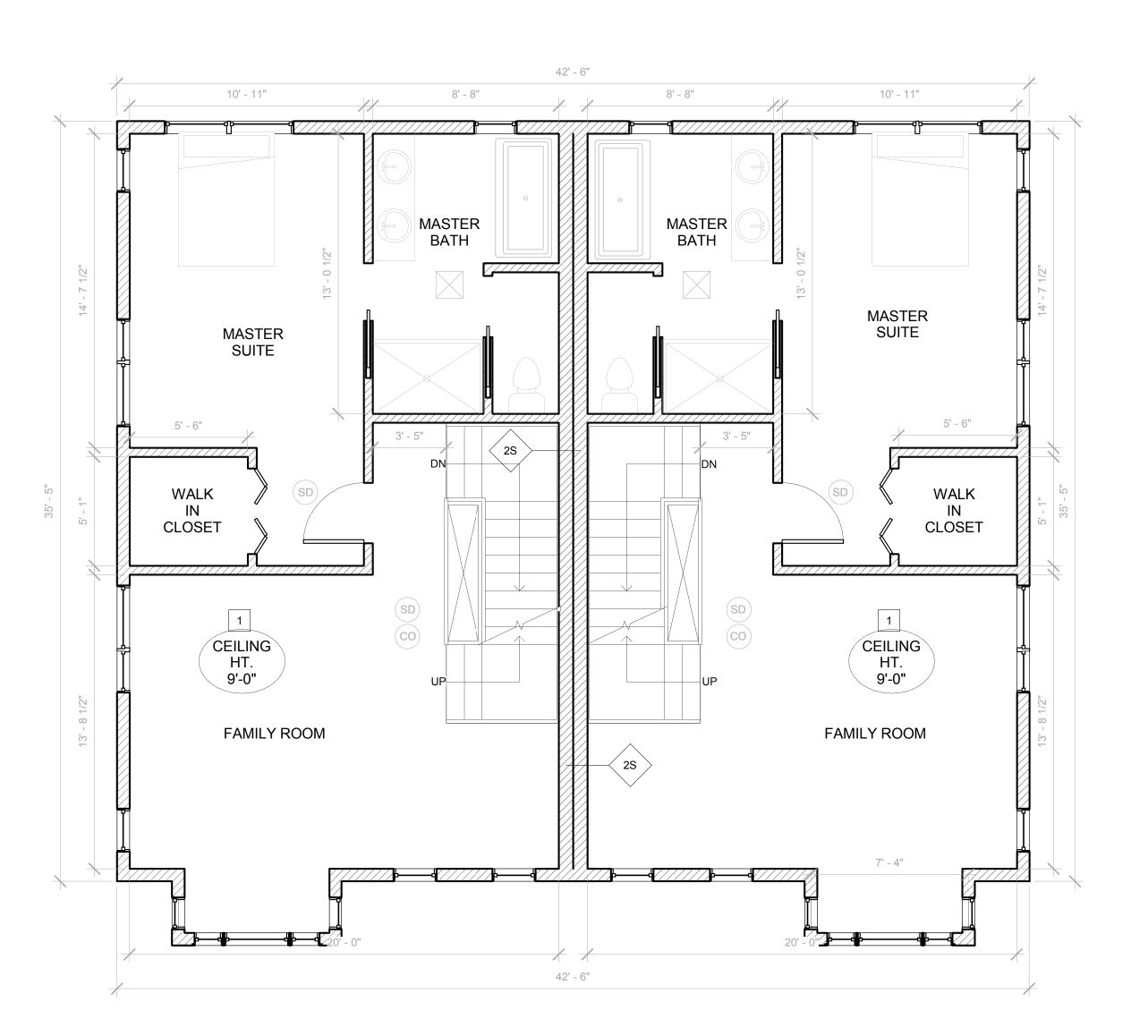
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FLOOR PLANS

Sheet No.

A-1.1





BURTON AVENUE

BURTON AVENUE

2 3RD FLOOR 1/4" = 1'-0"

1 2ND FLOOR 1/4" = 1'-0"

SCARLIEY MA 02119



No.	Description	Date

Project No: 16159

Scale: 1/4" = 1'-0"

Date: 07-26-2016

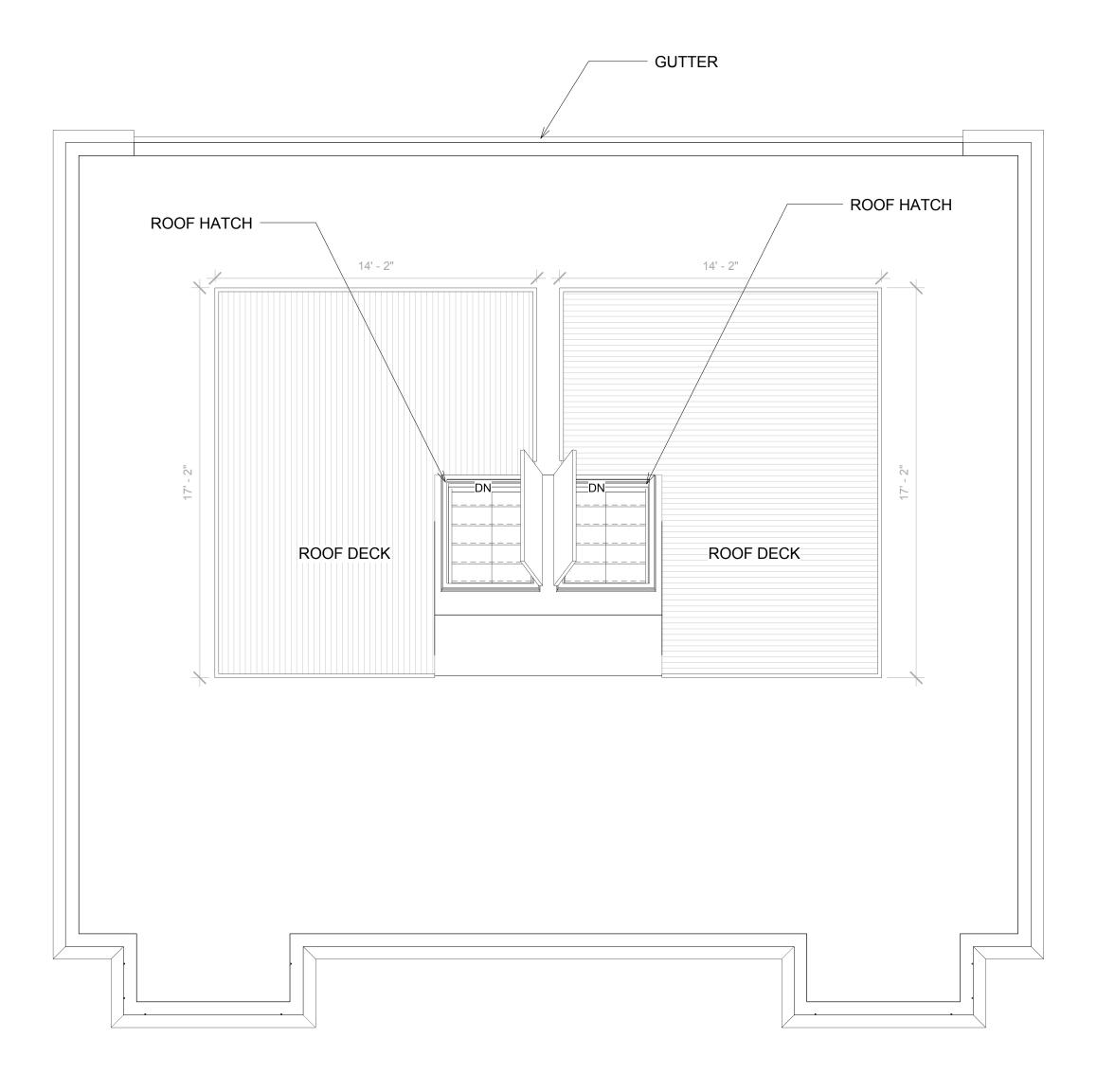
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Drawing Name

FLOOR PLANS

heet No.

A-1.2



BURTON AVENUE

1 ROOF PLAN 1/4" = 1'-0"

Project No: 16159

Scale: 1/4" = 1'-0"

Date: 07-26-2016

Drawn By: MS

Drawing Name

ELEVATIONS

Sheet No

A-2.0

FIBER CEMENT LAT SIDING.

**YS FIBER CEMENT TRIM

**S FIBER CEMENT INSERT PANELS

**S FIBER PANELS

**S FI

1 FRONT / SOUTH ELEVATION 1/4" = 1'-0"

FIBER CEMENT LAP SIDING-One Billings Road Quincy, MA 02171 617-786-7727 fax 617-786-7715 FIBER CEMENT TRIM— 2ND FLOOR 14' - 0" Project No: 16159 Scale: 1/4" = 1'-0" Date: 07-26-2016 Drawn By: MS Drawing Name **ELEVATIONS** 1 REAR / NORTH ELEVATION 1/4" = 1'-0" A-2.1

—FIBER CEMENT LAP SIDING FIBER CEMENT TRIM-FIBER CEMENT INSERT PANELS One Billings Road Quincy, MA 02171 617-786-7727 fax 617-786-7715 STONE VANEER-Project No: 16159 07-26-2016 Drawn By: MS Drawing Name **ELEVATIONS** 1 SIDE / WEST ELEVATION 1/4" = 1'-0" A-2.3