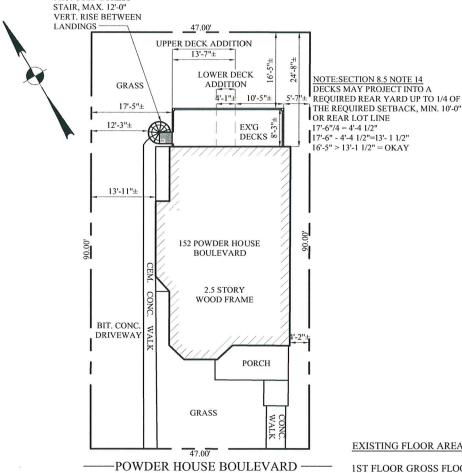
PROPOSED RENOVATION

152 POWDER HOUSE BOULEVARD

SOMERVILLE,

MASSACHUSEUUS





DRAWING NOT TAKEN FROM

INFORMATION TAKEN FROM

BY GREATER BOSTON SURVEYING

ARCHITECTURAL SITE PLAN

INSTRUMENTAL SURVEY.

PLAN OF LAND

AND ENGINEERING.,

WEYMOUTH, MA

(JUNE 5, 2016)

PROPOSED EGRESS

EXISTING FLOOR AREA RATIO

3RD FLOOR NET FLOOR AREA

1ST FLOOR GROSS FLOOR AREA $=1,187 \text{ S.F.}\pm$ 1ST FLOOR STAIRWAY/ STAIR LANDING AREA $= -89 \text{ S.F.} \pm$ 1ST FLOOR NET FLOOR AREA = 1.098 S.F.2ND FLOOR GROSS FLOOR AREA $=1,247 \text{ S.F.} \pm$ 2ND FLOOR STAIRWAY/ STAIR LANDING AREA $= -132 \text{ S.F.} \pm$ 2ND FLOOR NET FLOOR AREA $= 1,115 \text{ S.F.} \pm$ 3RD FLOOR GROSS FLOOR AREA =900 S.F.± 3RD FLOOR STAIRWAY/ STAIR LANDING AREA $= -26 \text{ S.F.} \pm$

EXISTING TOTAL NET FLOOR AREA = 3,087 S.F.±/4,230 S.F. = 0.7'29 FAR

PROPOSED FLOOR AREA RATIO

PROPOSED BASEMENT GROSS LIVING AREA	$=1,016 \text{ S.F.}\pm$
1ST FLOOR GROSS FLOOR AREA	$=1,187 \text{ S.F.}\pm$
1ST FLOOR EX'G STAIRWAY/ STAIR LANDING AREA	$= -89 \text{ S.F.} \pm$
PROPOSED NEW FLOOR LIVING AREA INFILL @ EX'G REAR STAIR	$= +51 \text{ S.F.} \pm$
1ST FLOOR NET FLOOR AREA	= 1,149 S.F.±
2ND FLOOR GROSS FLOOR AREA	$=1,247 \text{ S.F.}\pm$
2ND FLOOR EX'G STAIRWAY/ STAIR LANDING AREA	$= -132 \text{ S.F.} \pm$
PROPOSED NEW FLOOR LIVING AREA INFILL @ EX'G REAR STAIR	$=+62 \text{ S.F.}\pm$
2ND FLOOR NET FLOOR AREA	= 1,177 S.F.±
3RD FLOOR GROSS FLOOR AREA.	=900 S.F.±
3RD FLOOR STAIRWAY/ STAIR LANDING AREA	$= -26 \text{ S.F.} \pm$
3RD FLOOR NET FLOOR AREA	= 874 S.F.±

EXISTING TOTAL NET FLOOR AREA = 4,216 S.F.±/4,230 S.F. = 0.99 FAR

ZONING SUMMARY

= 874 S.F.±

					RA							-
RESIDENTIAL	MINIMUM LOT SIZE	LOT AREA MIN. SQ.FT. FOR ADD'L D.U.	MAXIMUM GROUND COVERAGE	LANDSCAPED AREA, MINIMUM % OF LOT	FLOOR AREA RATIO MAX.	MAX. HEIGHT OF BUILDING	FRONT YARD MIN. DEPTH FEET	SIDE YARD MIN. DEPTH FEET	REAR YARD MIN. DEPTH FEET	MINIMUM FRONTAGE	PERVIOUS AREA	-
REQUIRED BY ZONING	10,000 S.F.	2,250 S.F.	50%	25%	.75	2 1/2 STORY/ 35'-0"	15'-0"/ MODAL	SHALLOW LOT REDUCTION 50'-47"-3'-0" REDUCTION OF 3" BOTH SIDES 9'-9"/ SUM OF 19'-6"	SHALLOW LOT REDUCTION 100'-90' =10'-0' LEDUCTION OF 2'-6" 20'-0' -2'-6" = 17'-6"	50'	35%	
EXISTING CONDITIONS	4,230 S.F.	-	33%	51.2%	3,334/4,230= .78	3 STORY/ 30'-8"±	19'-4"±/ MODAL	3 STORY REQ. 13'-11"+ 4'-2" = 18'-1"	24'-8"	NA	16%	
PROPOSED PROJECT	4,230 S.F.	-	35%	51.2%	4,216/ 4,230= .99	3 STORY/ 30'-8"±	19'-4"±/ MODAL	13'-11"+4'-2"=18'-1"	24'-8"	NA	16%	
	NO CHANGE	NO CHANGE		NO CHANGE	VIOLATION	NO CHANGE	NO CHANGE	NO CHANGE	NO CHANGE	NO CHANGE	NO CHANGE	ĺ

KEY	
0	SMOKE DETECTOR
©	HEAT DETECTOR
0	CARBON MONOXIDE DETECTOR
<>──	1 HOUR WALL(SEE W.T.1/A-3.1)
⊠	FAN
O	45 MIN. DOOR
\bigcirc	WINDOW TYPE
1	1 HOUR CLG. ABOVE (SEE C.T.1/A-3.1)
(FIRE EXTINGUISHER
1/1/	NEW WALL
	EX'G WALL TO REMAIN
	WALL TO BE REMOVED
CODE SU	MMARY

CODE SUMMARY **EX'G TYPE 5B CONSTRUCTION** EX'G 3 STORIES & BASEMENT EX'G R-3 USE GROUP (2 FAMILY) **ZONE RA**

RENOVATION HOUSE MA 可 FAMILY BOULEVARD POWDER SOMER

Revis	sion Date	
(06-14-1	6
(06-22-1	6
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()1-11-1	7

Project No:	16104
Scale:	AS NOTED
Date:	05-06-16
Drawn By:	ST

COVER SHEETS

BOST

GENERAL NOTES

I. ALL WORK SHALL BE PERFORMED IN CONFORMANCE TO THE LATEST EDITION OF THE MASSACHUSETTS STATE BUILDING CODE AND ALL OTHER APPLICABLE CODES AND LAWS 2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED FOR THIS PROJECT 3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCING SCHEDULING AND SAFETY FOR THIS PROJECT . THE CONTRACTOR SHALL VISIT THE SITE AND BE THOROUGHLY AQUATINTED WITH THE ADDITIONAL MONEY WILL NOT BE GRANTED FOR

WORK NOT CLARIFIED PRIOR TO BIDDING 5. THE CONTRACTOR SHALL REPORT ANY 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. THE CONTRACTOR SHALL GIVE A WARRANTY FOR HIS WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL COMPLETION.

MASONRY NOTES:

CEMENT

A. CEMENT SHALL BE AN AMERICAN PORTLAND CEMENT CONFORMING TO ASTM C-150, TYPE II OR TYPE III FOR COLD WEATHER CONSTRUCTION (GRAY OR WHITE AS APPROPRIATE).

A. THE MORTAR USED TO TUCK POINT THE JOINTS SHALL CONSIST OF ONE PART PORTILAND CEMENT, ONE PART TYPE S HYD RATED LIME, AND SIX PARTS SAND, PROPORTIONED BY VOLUME.

A. A SECTION OF WALL SHALL BE POINTED FOR THE PURPOSE OF CHOOSING A DESIRED MORTAR COLOR, WHICH MATCHES THE EXISTING COLOR AND TO DEMONSTRATE THE SPECIFIED WORKMANSHIP

DEPTH, AND TOOLING OF THE JOINTS REQUIRED FOR USE ON THE JOB. CONTRACTOR SHALL CUT JOINTS AND LEAVE SECTION UNPOINTED UNTIL THE AUTHORITY CAN CHECK DEPTH OF CUT.

B. TWO OR MORE SAMPLE AREAS MAY BE REQUIRED BEFORE ONE IS APPROVED. AFTER APPROVAL OF ONE, THE OTHERS SHALL BE BROUGHT UP TO COLOR CONFORMANCE BY BRUSH GROUTING.

PREPARATION

A. CARBON AND DIRT SHALL BE REMOVED WITH DETERGENT AND STIFF BRUSHES, MOSS OR FUNGUS SHALL BE REMOVED WITH A SOLUTION OF BLEACH AND WATER.

B. ALL MORTAR THAT IS LOOSENED BY HAND TOOLS IS REQUIRED TO BE REMOVED.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ALL BRICKS MISSING, BROKEN, OR CRACKED AS PART OF THE CONTRACT WORK ON ALL BUILDING FACES DESIGNATED FOR POINTING, BRICKS REPLACED SHALL BE HARD-BURNED OF A TYPE AND SIZE TO MATCH EXISTING AS CLOSELY AS POSSIBLE.

D. THE JOINTS SHALL BE THOROUGHLY VACUUMED, BLOWN CLEAN, OR BRUSHED TO REMOVE ALL LOOSE MATERIALS, AND CLEANED WITH A HIGH PRESSURE HOSE STREAM. IF THE OPEN JOINTS CANNOT RECEIVE MORTAR FOR ANY REASON WITHIN A TWELVE (12) HOUR PERIOD AFTER REMOVAIL OF EXISTING MORTAR, OR INCLEMENT WEATHER IS FORECAST WHICH MAY CAUSE A DELAY IN COMPLETING THE REPOINTING IN ANY ONE OR SEVERAL AREAS, THE CONTRACTOR SHALL COVER

OPEN JOINTS WITH POLYETHYLENE COVERING OR OTHER SUITABLE MATERIAL IN ORDER TO AVOID WATER PENETRATION INTO THE BUILDING AND POSSIBLE WATER DAMAGE. THE CONTRACTOR

SECURE THE PROTECTIVE COVERING WITH TAPE OR OTHER ACCEPTABLE METHODS, AND MAINTAIN THE COVERING UNTIL THE WORK CAN CONTINUE UNDER FAVORABLE WEATHER CONDITIONS. CUT OUT MORTAR JOINTS SHALL REMAIN OPEN UNTIL INSPECTED BY THE ARCHITECT, EXISTING MORTA R NOT REMOVED THOROUGHLY AS REQUIRED SHALL BE REASON FOR REJECTION BY THE ARCHITECT.

INSTALLATION

A. TO AVOID SHRINKAGE AND IMPROVE WORKABILITY, POINTING MORTAR SHALL BE PRE-HYDRATED.. THOROUGHLY MIX ALL MORTAR INGREDIENTS DRY, WHEN READY FOR USE, MIX INGREDIENTS

AND ADD ONLY ENOUGH WATER TO PRODUCE A DAMP WORKABLE MIX WHICH WILL RETAIN ITS FORM WHEN PRESSED INTO A BALL. THE MORTAR SHALL BE KEPT IN THIS MOIST CONDITION FOR ONE TO TWO HOURS, AND THEN SUFFICIENT WATER ADDED TO BRING IT TO THE PROPER CONSISTENCY; THAT IS, SOMEWHAT DRIER THAN CONVENTIONAL MASONRY MORTAR.

B. TO INSURE A GOOD BOND TO THE EXISTING MORTAR, BRICK AND STONEWORK, WET THE EXISTING JOINTS THOROUGHLY BEFORE APPLYING FRESH MORTAR. THE JOINTS SHALL NOT RECEIVE MORTAR IF THERE IS EVIDENCE OF FREESTANDING WATER. IN SUCH CASES, ALLOW WATER TO SOAK INTO THE WALL. THE NEW MORTAR SHALL BE PACKED TIGHTLY IN 1/4" LAYERS UNTIL THE JOINT IS FILLED, THEN TOOLED TO A SMOOTH, CONCAVE SURFACE. NOTE CAREFULLY: FLUSH JOINTS WIL.

C. THE CONTRACTOR SHALL PROTECT EXISTING ROOFING, WINDOWS, DOORS, STONEWORK, FLASHING, CAULKING, TRIM AND OTHER MATERIALS DURING THE COURSE OF OPERATIONS. ALL DAMAGES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THEIR EXPENSE AND TO THE COMPLETE SATISFACTION OF THE ARCHITECT.

D. AFTER NEW MORTAR IS THOROUGHLY SET AND CURED, REMOVE LARGE PARTICLES OF MORTAR WITH WOOD PADDLES AND SCRAPERS PRIOR TO WETTING THE WALL. USE CHISELS OR WIRE BRUSHES AS NECESSARY WITH CARE TO PREVENT INJURY TO EXISTING BRICK AND STONEWORK THE WALL AREAS WHERE POINTING HAS TAKE PLACE SHALL BE CLEANED WITH WATER TO FLUSH OFF ALL LOOSE MORTAR AND DIRT. THESE AREAS SHALL THEN BE SCRUBBED DOW'N WITH A SOLUTION OF ONE HALF CUP TRISODIUM PHOSPHATE AND ONE HALF CUP OF HOUSIEHOLD DETERGENT DISSOLVED IN ONE GALLON OF CLEAN WATER.

A. THE CONTRACTOR SHALL GIVE A WARRANTY FOR HIS WORK, LABOR, AND MATERIALS IN WRITING FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE BASE BID CONTRACT, SHOULD THE POINTED JOINTS EXECUTED UNDER THIS CONTRACT FAIL WITHIN THE GUARANTEED PERIOD AS DETERMINED BY THE ARCHITECT. THE CONTRACTOR SHALL MAKE SUITABLE REPAIRS INCLUDING AN ADDITIONAL APPLICATION OF THE LIQUID REPELLENT COATING AT HIS OWN EXPENSE.

CLEANUP

A. AT COMPLETION, REMOVE ALL EXCESS MATERIAL, DEBRIS, AND RUBBISH RESULTING FROM THE WORK OF THIS SECTION FROM THE JOB SITE. THE GROUNDS SHALL BE LEFT CL EAN.

FOUNDATION NOTES:

. 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 SOLIARE FOOT FOUNDATION DESIGN IS BASED ON ASSUMED SOIL BEARING (CAPACITY OF 2 TONS PER SOUARE 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:

3500 PSI

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 SOUARE FOOT PANELS, MAXIMUM: OR, PROVIDE CONTROL JOINTS BY

SAW CUTTING THE SLAB WHILE THE CONCRETE IS STILL GREEN.

REINFORCING NOTES:

ALL REINFORCEMENT, EXCEPT FOR TIES AND STIRRUPS, SHALL CONFORM TO ASTM 615-60.

ALL REINFORCEMENT FOR TIES AND STIRRUPS SHALL CONFORM TO ASTM 615-40. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185-70 SPECIFICATIONS

ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED BY THE ARCHITECT OR HIS

ENGINEER PRIOR TO THE PLACEMENT OF A NY 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

3 INCHES

6. CLEARANCES OF MAIN REINFORCING FROM ADJACENT CONCRETE SURFACES SHALL BE AS FOLLOWS:

A. FOOTINGS

B. SIDES OF FOUNDATIONS WALLS.

EXPOSED FACES OF FOUNDATIONS SIDES OF COLUMNS/PIERS SLABS ON GRADE FROM TOP SURFACE

2 INCHES

C. INTERIOR FACES OF FOUNDATIONS,

TOP REINFORCING IN SLABS EXPOSED

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

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

EPOXY ANCHORS:

EXPANSION BOLTS USED IN CONCRETE SHALL BE SIMPSON STRONG BOLT 2 OR EQUAL. BOLTS NEED TO BE INSTALLED IN ACCORDANCE WITH ICC-REPORT ESR-3037.

EPOXY ANCHORS AND DOWELS INSTALLED INTO CONCRETE SHALL BE A THREADED ROD) OR REINFORCING BAR DOWEL WITH THE HILTI "RE-500SD" ADHESIVE SYSTEM AND BE INSTALLED ACCORDING TO ICC-REPORT ESR-2322.

CONTRACTOR MAY SUBSTITUTE EXPANSION BOLTS OR EPOXY ADHESIVES OF EQUAL VALUE IN THE SPECIFIED MATERIAL WITH A CURRENT ICC-REPORT FOR REVIEW. EXPANSION BOLTS

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.

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 COLUMNS

- 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.

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.

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 "RCWB" STRAP, OR EQUAL.

12. ALL BUILT-UP BEAMS SHALL BE BOLTED WITH ½" Ø THRU BOLTS, MEETING A307 STANDARDS, OR, AS NOTED ON DRAWING'S.

WOOD LINTEL SCHEDULE:

Lintels over openings in bearing walls shall be as follows; or as noted on draw/ings. Size: 2x6 studs Size: 2x4 studs Span of opening less than 4'-0" 3 - 2x4 29 - 2x4 up to 6'-0" 2 - 2x63 - 2x6up to 8'-0" 3 - 2x82 - 2x8up to 10'-0" 3 - 2x10

Company Inc. One Billings Road Quincy, MA 02171 06-14-16 06-22-16 09-29-16 01-11-17

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AS NOTED

16104

05-06-16 ST

NOTES

PROVIDE R-30 INSULATION IN ALL EXPOSED FLOOR JOIST CAVITIES

PROVIDE R-21 INSULATION IN ALL EXPOSED EXTERIOR STUD WALL CAVITIES.

PROVIDE R-49 INSULATION IN ALL EXPOSED ROOF JOIST CAVITIES. TYPICAL PROVIDE R-19 INSULATION IN ALL EXPOSED BASEMENT STUD WALL

AVITIES. INSULATION MUST BE NON-WATER SENSITIVE

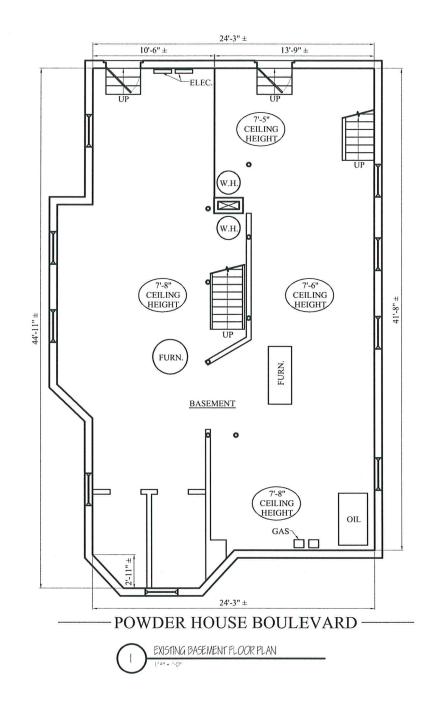
REFER TO THE FRAMING PLANS PRIOR TO DEMOLITION, CONTACT

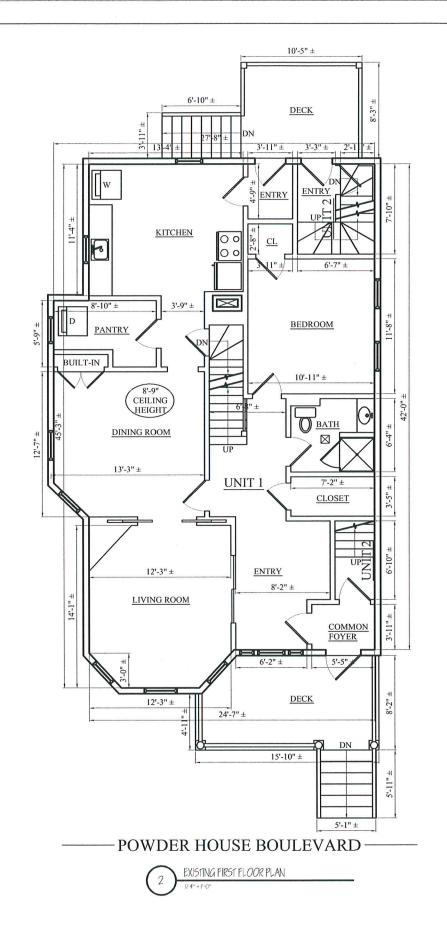
THE ARCHITECT IMMEDIATELY IF THERE ARE CONFLICTS OR OMISSIONS.

NOTE: ENERGY CODE COMPLIANCE

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING STRETCH/ ENERGY CODE COMPLIANCE PRIOR TO CLOSING OF WALLS. THE PROPER ENERGY CONSULTAN HER'S RATER, OR OTHER ALLOWED PROFESSIONAL SHALL PERFORM THE FINAL INSPECTIONS ASSOCIATED WITH THE CONSTRUCTION REQUIREMENTS AT THE DIRECTION OF THE CONTRACTOR

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





06-14-16 06-22-16 09-29-16 01-11-17 16104 AS NOTED

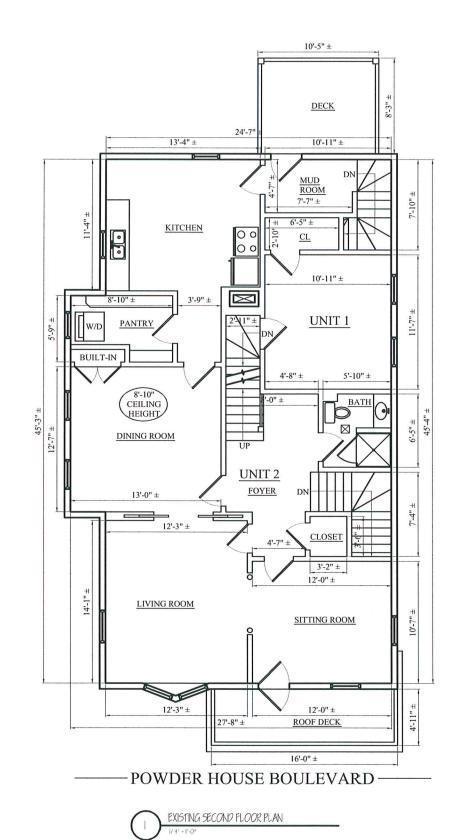
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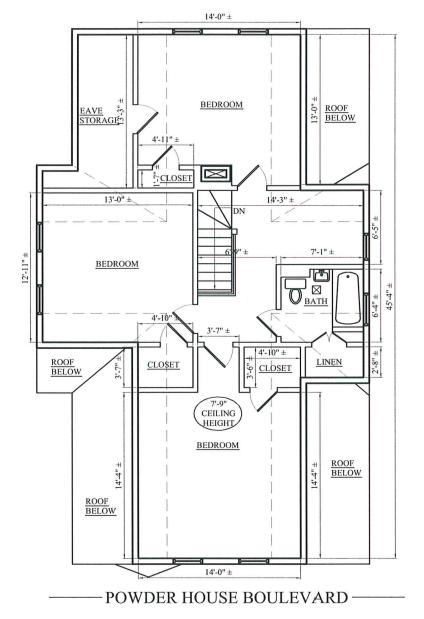
152 POWDER HOUSE BOULEVARD SOMERVILLE, MA

One Billings Road Quincy, MA 02171 bt7-266-7727

05-06-16 ST

EXISTING FLOOR PLANS





2 EXISTING THIRD FLOOR PLAN

TWO FAMILY RENOVATION
152 POWDER HOUSE
BOULEVARD
SOMERVILLE, MA

Project No: 16104 Scale: AS NOTED

06-14-16 06-22-16 09-29-16

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EXISTING FLOOR PLANS

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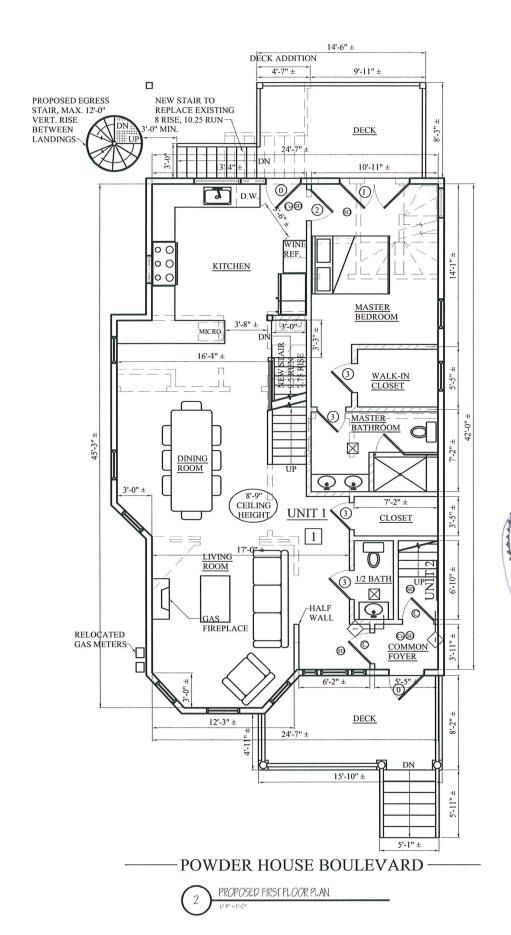
24'-3" ± 13'-4" ± 10'-11" ± BASEMENT HABITABLE AREA NATURAL LIGHT & VENTILATION CALCULATIONS OFFICE OFFICE TOTAL AREA = 222 ± SQ.FT. (R303.1) REQUIRED 8% NATURAL LIGHT = 17.76± SQ.FT. **OFFICE** EX'G WINDOWS= UNIT 1 STORAGE (2)2'-10" X 1'-9" = $9.90 \pm \text{SQ.FT.}$ TOTAL GLASS = 9.90± SQ.FT 9.90± SQ.FT.<17.76± SQ.FT. = NOT OK 0 (R303) OFFICE TO BE PROVIDED WITH ARTIFICIAL LIGHT (R303.1) REQUIRED 4% NATURAL VENTILATION = 8.88± SQ.FT. **BATH** EX'G WINDOWS= $(2)2'-10" X 1'-9" = 9.90 \pm SQ.FT.$ TOTAL GLASS = $9.90 \pm SQ.FT$ 9.90± SQ.FT.>8.8± SQ.FT. = OK $\frac{\text{FAMILY ROOM}}{\text{FAMILY ROOM TOTAL AREA}} = 532 \pm \text{SQ.FT.}$ **©** (R303.1) REQUIRED 8% NATURAL LIGHT = 42.56± SQ.FT. 7'-5"± CEILING $(5)2'-10" X 1'-9" = 24.75 \pm SQ.FT.$ TOTAL GLASS = $24.75 \pm SQ.FT$ 24.75± SQ.FT.<42.56± SQ.FT. = NOT OK (R303.1) REQUIRED 4% NATURAL VENTILATION = 21.28± SQ.FT. EX'G WINDOWS= $(5)2'-10" X 1'-9" = 24.75 \pm SQ.FT.$ TOTAL GLASS = $24.75 \pm SQ.FT$ 24.75± SQ.FT.>21.28± SQ.FT. = OK (R303) MEDIA ROOM TO BE PROVIDED WITH ARTIFICIAL LIGHT

POWDER HOUSE BOULEVARD

PROPOSED BASEMENT FLOOR PLAN

PROPOSED EGRESS STAIR, MAX. 12'-0" VERT. RISE

LANDINGS



TWO FAMILY RENOVATION
152 POWDER HOUSE
BOULEVARD

Company inc.

Project No: 16104

Scale: AS NOTED

Pate: 05-06-16

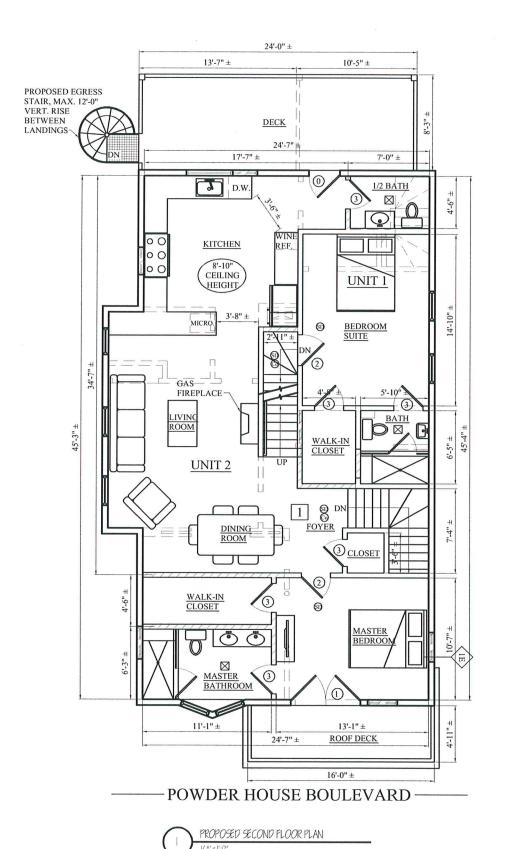
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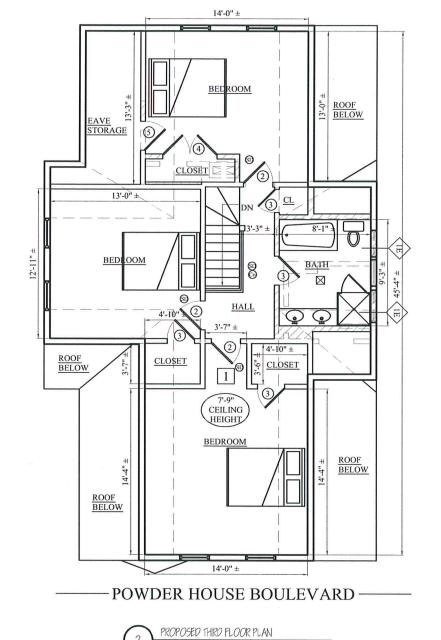
PROPOSED FLOOR PLANS

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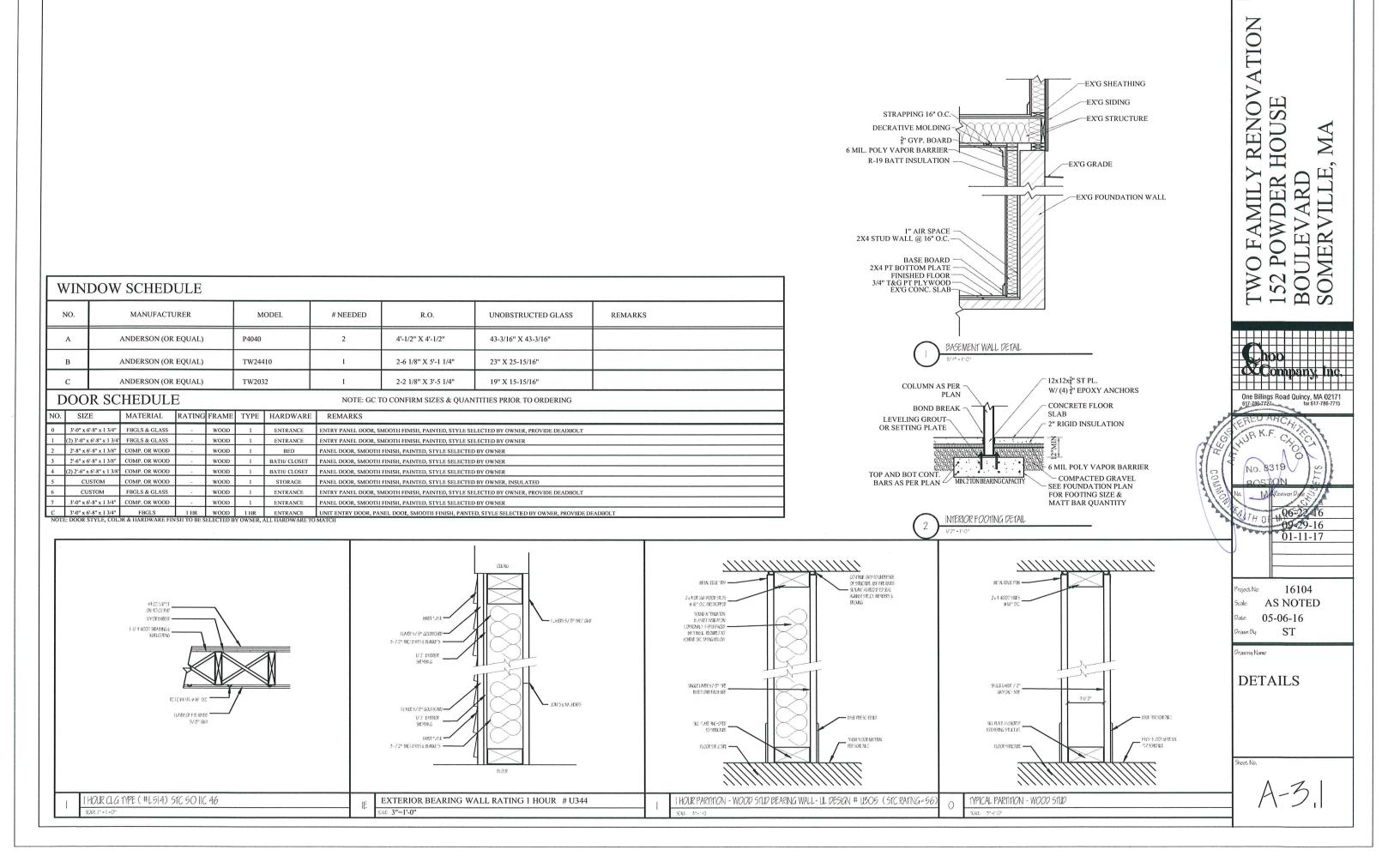
TWO FAMILY RENOVATION 152 POWDER HOUSE BOULEVARD SOMERVILLE, MA One Billings Road Quincy, MA 02171 617-786-7727 fax 617-786-7715 06-14-16 06-22-16 09-29-16 01-11-17 16104 AS NOTED 05-06-16 ST

PROPOSED

FLOOR PLANS







BUILDING ELEMENT	NAIL SIZE AND TYPE	NUMBER AND LOCATION
STUD TO SOLE PLATE	8D COMMON	4 TOE-NAIL OR 2 DIRECT-NAIL
STUD TO CAP PLATE	16D COMMON 16D COMMON	2 TOE-NAIL OR 2 DIRECT-NAIL
OOUBLE STUDS	10D COMMON	12" O.C. DIRECT
CORNER STUDS	16D COMMON	24" O.C. DIRECT
OLE PLATE TO JOIST OR BLOCKING	16D COMMON	16" O.C.
DOUBLE CAP PLATE	10D COMMON	16" O.C. DIRECT
CAP PLATE LAPS	10D COMMON	2 DIRECT-NAIL
RIBBON STRIP, 6" OR LESS	10D COMMON	2 EACH DIRECT BEARING
RIBBON STRIP, 6" OR MORE	10D COMMON	3 EACH DIRECT BEARING
ROOF RAFTER TO PLATE	8D COMMON	3 TOE-NAIL
ACK RAFTER TO RIDGE	16D COMMON	2 TOE-NAIL OR DIRECT-NAIL
ACK RAFTER TO HIP	10D COMMON	3 TOE-NAIL OR 2 DIRECT-NAIL
LOOR JOISTS TO STUDS	16D COMMON 10D COMMON	5 DIRECT OR 3 DIRECT
(NO CEILING JOISTS)	10D COMMON	
LOOR JOISTS TO STUDS (WITH CEILING JOISTS)	10D COMMON	2 DIRECT
LOOR JOISTS TO SILL OR GIRDER	3D COMMON	3 TOE-NAIL
EDGER STRIP	16D COMMON	3 EACH DIRECT
CEILING JOISTS TO PLATE	16D COMMON	3 TOE-NAIL
CEILING JOISTS (LAPS OVER PARTITION)	10D COMMON	3 DIRECT-NAIL
CEILING JOISTS (PARALLEL TO RAFTER)	10D COMMON	3 DIRECT
COLLAR BEAM	10D COMMON	3 DIRECT
RIDGING TO JOISTS	8D COMMON	2 EACH DIRECT END
DIAGONAL BRACE (TO \$TUD AND PLATE)	8D COMMON	2 EACH DIRECT BEARING
AIL BEAMS TO HEADERS (WHEN NAILING PERMITTED)	20D COMMON	1 EACH END 4 SQ. FT. FLOOR AREA
IEADER BEAMS TO TRIMMERS	20D COMMON	1 EACH END 8 SQ. FT. FLOOR AREA
" ROOF DECKING (OVER 6" IN WIDTH)	8D COMMON 8D COMMON	2 EACH DIRECT RAFTER 3 EACH DIRECT RAFTER
" SUBFLOORING (6" OR LESS)	8D COMMON	2 EACH DIRECT JOIST
" SUBFLOORING (8" OR MORE)	8D COMMON	3 EACH DIRECT JOIST
" SUBFLOORING	16D COMMON	2 EACH DIRECT JOIST
" WALL SHEATHING (8" OR LESS IN WIDTH)	8D COMMON	2 EACH DIRECT STUD
" WALL SHEATHING (OVER 8" IN WIDTH)	8D COMMON	3 EACH DIRECT STUD
LYWOOD ROOF & WALL SHEATHING (1/2" OR LESS) (5/8" OR GREATER) (5/16",3/8", OR 1/2") (OVER 6" IN WIDTH)	6D COMMON 8D COMMON 16 GAUGE GALVANIZED WIRE STAPLES, 3/8" MINIMUM CROWN; LENGTH OF 1" PLUS PLYWOOD THICKNESS SAME AS IMMEDIATELY ABOVE	6" O.C. DIRECT EDGES & 12" O.C. INTERMEDIATE 6" O.C. DIRECT EDGES & 12" O.C. INTERMEDIATE 4" O.C. EDGES & 8" O.C. INTERMEDIATE 2 1/2" O.C. EDGES & 5" O.C. INTERMEDIATE
LYWOOD SUBFLOORING (1/2") (3/8", 3/4")	6D COMMON OR 5D ANNULAR OR SPIRAL THREAD 8D COMMON OR 3D ANNULAR OR SPIRAL THREAD	6" O.C. DIRECT EDGES & 10" O.C. INTERMEDIATE 6" O.C. DIRECT EDGES & 10" O.C. INTERMEDIATE
(1", 1 1/8") (1/2")	10D COMMON OR 8D RING SHANK OR 8D ANNULAR OR SPIRAL THREAD 16D GALVANIZED WIRE STAPLES	6" O.C. DIRECT EDGES & 6" O.C. INTERMEDIATE 4" O.C. EDGES & 7" O.C. INTERMEDIATE
(3/8") JUILT-UP GIRDERS AND BEAMS	3/8" MINIMUM CROWN; 1 3/8' LENGTH 20D COMMON	2 1/2" O.C. EDGES & 4" O.C. INTERMEDIATE
	8D COMMON	32" O.C. DIRECT 4 TOE-NAIL
CONTINUOUS HEADER TO STUD	16D COMMON	16" O.C. DIRECT
/2" FIBER BOARD SHEATHING	1 1/2" GALVANIZED ROOFING NAIL OR 16 GAUGE STAPLE, 1 1/2" LONG WITH MIN. CROWN OF 7/16"	3" O.C. EXTERIOR EDGE 6" O.C. INTERMEDIATE
5/32" FIBER BOARD SHEATHING	1 3/4" GALVANIZED ROOFING NAIL OR 8D COMMON NAIL OR 16 GAUGE STAPLE, 1 1/2" LONG WITH MIN. CROWN OF 7/16"	3" O.C. EXTERIOR EDGE 6" O.C. INTERMEDIATE
SYPSUM SHEATHING	12 GAUGE 1 3/4" LARGE HEAD CORROSION- RESISTANT	4" O.C. EDGE 8" O.C. INTERMEDIATE
ARTICLE BOARD UNDERLAYMENT (1/4"-3/4")	6D ANNULAR THREADED	6" O.C. DIRECT EDGES 10" O.C. INTERMEDIATE
ARTICLE BOARD ROOF AND WALL SHEATHING /2" OR LESS	6D COMMON	6" O.C. DIRECT EDGES 12" O.C. INTERMEDIATE
/8" OR GREATER	8D COMMON	6" O.C. DIRECT EDGES 12" O.C. INTERMEDIATE
ARTICLE BOARD SUBFLOORING	8D COMMON	6" O.C. DIRECT EDGES 12" O.C. INTERMEDIATE
(5/8" OR GREATER)		
HINGLES, WOOD* VEATHER BOARDING	NO. 14 B&S GAGE CORROSION RESISTIVE 8D CORROSION	2 EACH BEARING 2 EACH BEARING

