9 International Energy	Conservation Code — Code Review	· · ·
APTER 5 COMMERCIAL EI	NERGY EFFICIENCY	
PRESCRIPTIVE ENERGY	ANALYSIS – ARCHITECTURAL	
	EFFICIENCY ANALYSIS FOR 660—662 CONGRESS RCIAL UNIT LOCATED IN BASEMENT AND 1ST FL C	
ITEM DESCRIPTION	CODE-PERSCRIBED VALUE AND CITATION	PROPOSED VALUE
BUILDING ENVELOPE (OPAQUE ELEMENT)	(IECC TABLE 502.1.2) U-0.048 (R-20.8) FOR MASS BUILDING IN CLIMATE ZONE 6	U-0.067 (R-15) (RECOMMENDED VALUE FOR HISTORIC BRICK STRUCTURES IN ZONE 6 COLD CLIMATES). EXEMPTION FROM ENERGY CODE (IECC 2009 101.4.2) FOR HISTORIC BUILDINGS.
BUILDING ENVELOPE (FENESTRATION)	(IECC TABLE 502.3) FENESTRATION ALLOWED FOR 40% MAX. OF ABOVE-GRADE WALL.	U–0.24 (R–4.17) FOR ALL DOUBLE HUNG WINDOWS. LEADED GLASS TRANSOMS ON 1ST FLOOR NOT COMPLIANT. EXEMPTION FROM ENERGY CODE (IECC 2009 101.4.2) FOR HISTORIC BUILDINGS.
BUILDING ENVELOPE (ROOF)	N/A – COVERED BY CHAPTER 4 – RESIDENTIAL USE (SEE SHEET A–002)	N/A
BUILDING ENVELOPE (FLOORS OVER OUTDOOR AIR)	(IECC TABLE 502.2(1)) R-20.5 FOR WOOD FRAMED CONSTRUCTION IN ZONE 6	R-20.5
AIR LEAKAGE	(IECC 502.4 & 502.4.2) AIR LEAKAGE SHALL BE DETERMINED IN ACCORDANCE WITH CODE OR VERIFIED BY AN ACCREDITED LABORATORY.	EXEMPTION FROM ENERGY CODE (IECC 2009 101.4.2) FOR HISTORIC BUILDINGS.
VESTIBULES	(IECC 502.4.7) A DOOR THAT SEPARATES CONDITIONED SPACE FROM THE EXTERIOR SHALL BE PROTECTED WITH AN ENCLOSED VESTIBULE.	EXCEPTION FOR DOORS THAT OPEN DIRECTLY FROM A SPACE LESS THAN 3,000 SQ.FT. IN AREA.

## 660-662 CONGRESS STREET

PORTLAND, MAINE

ARCHITECT: PRESENT ARCHITECTURE PLLC

66 WEST BROADWAY, SUITE 306 NEW YORK, NY, 10007 T: (207) 449-8513

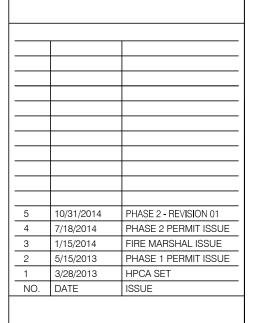
CONTRACTOR: BAYHILL BUILDING & DESIGN

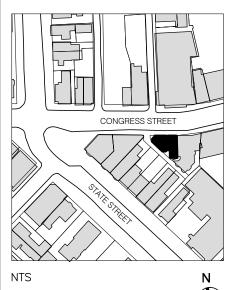
P.O. BOX 179 SOUTH FREEPORT, ME 04078 T: (207) 865-9351

STRUCTURAL ENGINEER: ENGINEERING DESIGN PROFESSIONALS

P.O. BOX 575 FREEPORT, ME 04032 T: (207) 865-9505

OWNER: A.K. LONGFELLOW LLC 660 CONGRESS STREET PORTLAND, ME 04101







SED ARC ANDRE M. GUIMOND No. 3992 B-SCAN:

DWG. CONTENTS: CODE ANALYSIS

