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MARK MUELLER ARCHITECTS

**46 MARKET STREET**  
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PORTLAND, MAINE

RENOVATIONS AT:

**PROPOSED 1ST FLOOR PLAN**

DATE: MAY 2013  
PROJECT: 46 MARKET  
DRAWN BY: MFP  
CHECK BY: MLM

**A-1.1**

**WALL LEGEND**

- EXISTING WALL
- PROPOSED WALL
- DEMOLISHED WALL
- FIRE RATED WALL

**LIFE SAFETY LEGEND:**

- EXIT LIGHT
- EMERGENCY BACKUP LIGHT
- SMOKE DETECTOR
- HEAT DETECTOR
- HORN/STROBE
- STROBE
- FIRE EXTINGUISHER IN RECESSED CABINET
- ELEC. RECEPTACLE (INSTALL PER CODE & AS SHOWN)

- LIFE SAFETY AND FIRE ALARM SYSTEMS SHALL BE DESIGNED AND INSTALLED PER NFPA 72 AND PER CITY OF PORTLAND CODE.  
- A SEPARATE PERMIT AND CITY APPROVED CONTRACTOR IS REQUIRED.  
- ALL STROBES TO BE 30 CANDELA UNLESS OTHERWISE NOTED.  
- SYSTEM SHALL BE SUPERVISED BY AN OFF-SITE CERTIFIED BY THE CITY OF PORTLAND THIRD PARTY.

**1 PROPOSED 2x6 WALL (1 HR RATED)**  
(UL DESIGN: U 305) FIRE CAULK PERIMETER

**2 EXISTING 2x STAIR WALL (1 HR RATED)**  
PER IBC 2009 RESOURCE 'A' - TABLE 1.3.2 - DETAIL W-4-W-40 sim.

**3 EXISTING 2x STAIR WALL (NON-RATED)**

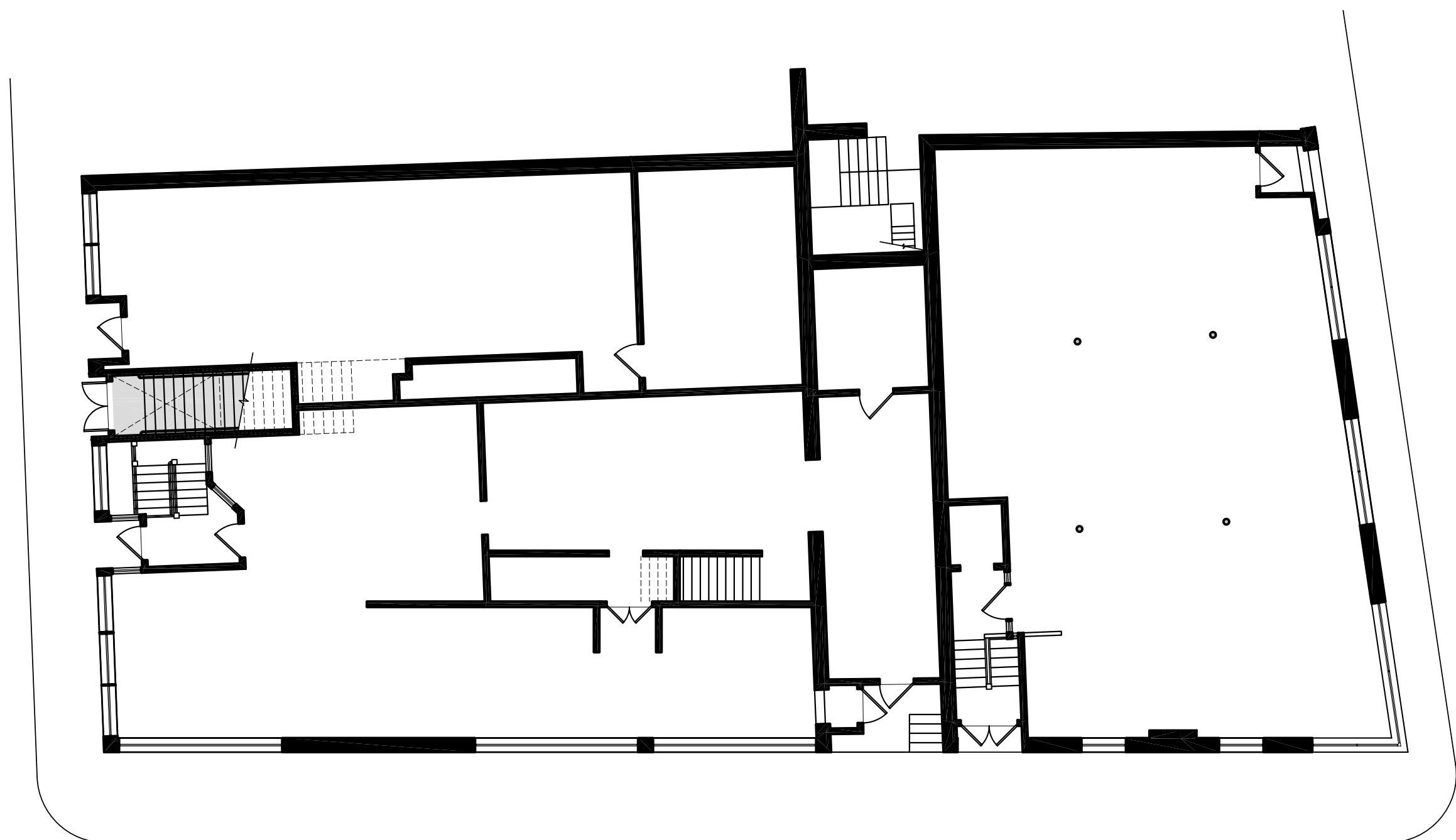
**4 NEW 2 HR WALL (WOOD)**

**5 NEW 2 HR EXTERIOR WALL**  
UL: U404sim.

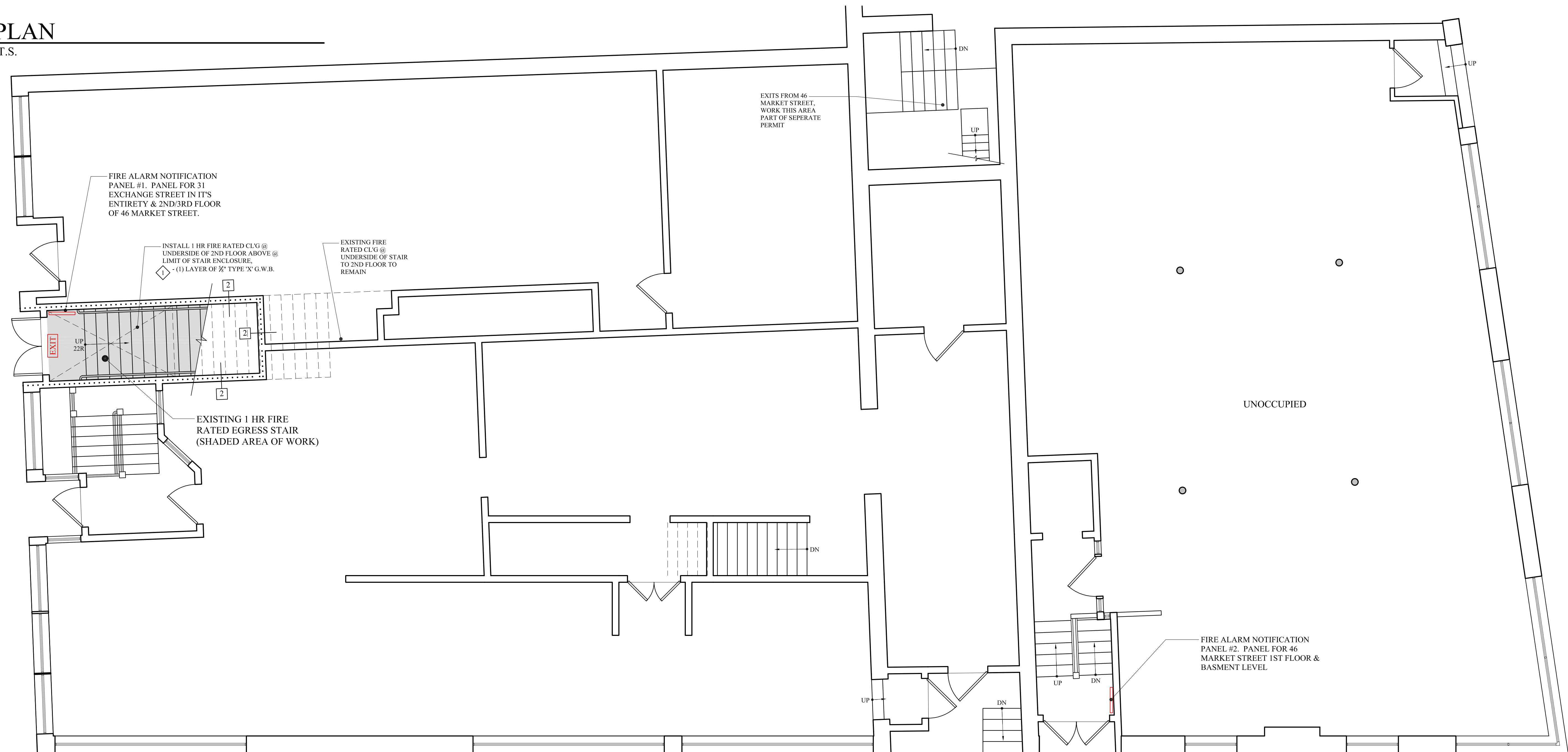
**EXISTING FLOOR (1 HR RATED)**  
PER IBC 2009 RESOURCE 'A' - TABLE 3.3.3 - DETAIL F/C-W-27 sim.  
UL: L501sim.

**DETAILS:**

- 1** PROPOSED 2x6 WALL (1 HR RATED): (1) LAYER 5/8" FIRECODE GYPSUM PANEL EACH SIDE, 2x6 WOOD STUD, SOUND ATTENUATION SEALANT @ TOP & BOTTOM, NOTE: CONTINUOUS FULL HEIGHT WALLS.
- 2** EXISTING 2x STAIR WALL (1 HR RATED): (1) 1/2" LAYER G.W.B. EACH SIDE, (1) 1/2" LAYER GYPSUM PLASTER & WOOD LATH EACH SIDE, 2x WOOD STUD.
- 3** EXISTING 2x STAIR WALL (NON-RATED): (1) 1/2" LAYER GYPSUM PLASTER & WOOD LATH EACH SIDE, 2x WOOD STUD, INSULATED CAVITY.
- 4** NEW 2 HR WALL (WOOD): (2) LAYERS 5/8" FIRECODE GYPSUM PANEL EACH SIDE, 2x6 WOOD STUD.
- 5** NEW 2 HR EXTERIOR WALL: (2) LAYERS 5/8" FIRECODE GYPSUM PANEL @ INTERIOR w/ VAPOR BARRIER, (2) LAYERS 5/8" FIRECODE EXTERIOR GYPSUM PANEL (DENSE GLASS) @ EXTERIOR, 6" 20 GA METAL STUD OR 2x6 FIRE TREATED WOOD, FULL THICKNESS FG LASS INSULATION, WATER RESISTIVE BARRIER (BUILDING WRAP), VERTICAL METAL SIDING TO MATCH EXISTING.
- EXISTING FLOOR (1 HR RATED):** EXISTING 1" SOLID T&G WOOD FLOORING, EXISTING 2x WOOD FLOOR JOISTS, EXISTING 3/4" LAYER GYPSUM PLASTER & WOOD LATH, NEW (1) LAYER 3/4" TYPE 'X' G.W.B.



**KEY PLAN**  
SCALE: N.T.S.



**FIRST FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

**BUILDING PERMIT SET: JANUARY 15, 2014**