

BUILDING NAME

BUILDING ADDRESS

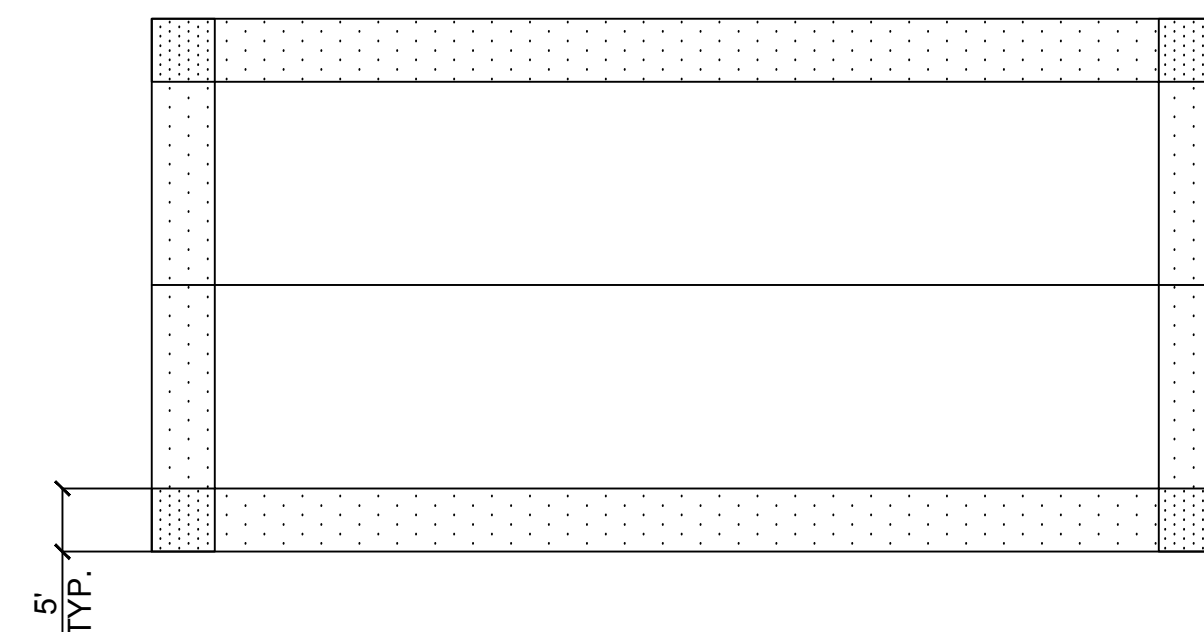


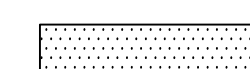
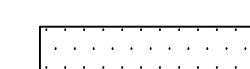
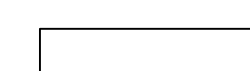
CODE REQUIREMENTS:

BUILDING CODE:

- 1) State Building Code
 - A) The State of ? has adopted the most current edition of the International Building Code
 - B) Chapter 34 of the 2009 IBC titled Existing Building and Structures has been deleted in its entirety. The provisions of the International Existing Building Code provisions shall control the alteration repair and addition to an existing building.
- 2) 2009 INTERNATIONAL BUILDING CODE (IBC)
 - A) 2009 IBC Makes reference to the ASCE/SEI 7-05, Minimum Design Loads for Buildings and Other Structures.
 - I) 6.5.1 Analytical Procedure (Method 2):
 - 1) Basic Wind Speed:
 - 2) Mean Building height:
 - 3) Exposure: Exposure factor (Kz):
 - 4) Directionality factor (Kd):
 - 5) Importance factor (I):
 - 6) Topographic factor (Kzt):
 - 7) Velocity pressure constant:
 - 8) Velocity pressure equation:
 - II) Design Wind Pressure:
 - 1) Internal Pressure Coefficient:
 - 2) Zone 1 (Roof Field coefficient= -1.00 + -0.55):
 - 3) Zone 2 (Roof Edges coefficient= -1.80 + -0.55):
 - 4) Zone 3 (Salient Corners coefficient= -2.80 + 0.55):
 - III) All fastening has been designed to meet or exceed 110% of the values listed above.
 - B) 2009 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
 - A) Section 101.5: Compliance Method:
 - I) Existing roof system:
 - 1) EPDM adhered Roofing: (1.0 psf)
 - 2) 4" polyisocyanurate Insulation: (0.7 psf)
 - 3) Built Up Roof: (3.0psf)
 - 4) Total existing dead load: (4.7psf)
 - II) Proposed roof system:
 - 1) Fully adhered .060 reinforced EPDM Rubber: (1.0 psf)
 - 2) New 4" polyisocyanurate Insulation: (0.7 psf)
 - 3) Removal of existing insulation and EPDM: (4.7 psf)
 - 4) Total superimposed dead load (-3.0psf)
 - III) Existing Structural Design Roof Live/Snow Load:
 - IV) Existing structural elements carrying gravity load (>5% due to alteration). Percentage: >5%
 - C) Any and all existing roofing, drainage and structure falls under sections 3401.4.1 Existing Materials and 3404.1 Alterations. No work will need to be performed to these systems to bring them up to current code standards.
- 4) 2009 INTERNATIONAL ENERGY CODE (IEC)
 - A) Roofs located in Zone: require a thermal value of:
 - B) Proposed roof insulation system make up:
- 5) 2007 Factory Mutual Insurance Company (FM Global)
 - A) Wind design pressures shall be designed in accordance to FM Global 1-28
 - I) Initial loading is based on the IBC 6.5.1 Analytical Procedure (Method 2) listed above
 - 1) Basic Wind Speed:
 - 2) Building height:
 - 3) Exposure: Exposure factor:
 - 4) Thermal factor:
 - 5) FM Global Importance factor:
 - 6) Topographic factor:
 - 7) FM Global safety factor:
 - 8) Velocity pressure constant:
 - 9) Velocity pressure equation:
 - II) Design Wind Pressure:
 - 1) Internal Pressure Coefficient:
 - 2) Zone 1:
 - 3) Zone 2:
 - 4) Zone 3:
 - III) Approximate size or Zones per FM Global 1-28 (See diagram at left)
 - B) All roof anchorage shall meet or exceed FM Global 1-9.
 - C) All roof mechanical fasteners shall meet or exceed FM Global 1-28R and 1-29R.
 - D) All perimeter flashing shall meet or exceed FM Global 1-49.

DRAWING INDEX	
SHEET NUMBER	SHEET DESCRIPTION
RP-1	Cover Sheet (C-Size)
RP-2	Roof Plan (C-Size)
RP-3	Roof Plan (A-Size)
RP-4	Roof Plan Notes (A-Size)
RP-5	Code Requirements (A-Size)
D-1	New Cast Iron Drain Detail (A-Size)
D-2	Removable Curb Detail (A-Size)
D-3	Non-Removable Curb Detail (A-Size)
D-4	Roof Hatch Curb Detail (A-Size)
D-5	Parapet to Flat Roof Section (A-Size)
D-6	Eave Section (A-Size)
D-7	Gable End Section (A-Size)
D-8	Clerestory Section (Low) (A-Size)
D-9	Clerestory Window Section (Low) (A-Size)
D-10	Gutter Section (A-Size)
D-11	Cheek Wall Section (A-Size)
D-12	Wood Gable Wall Section (A-Size)
D-13	Eave Section (A-Size)
D-14	Chimney Flashing Detail (A-Size)
D-15	Wall to Sloped Roof Section (A-Size)
D-16	Rear Canopy Edge Roof Section (A-Size)
D-17	Blind Receiver Detail (A-Size)



-  INDICATES THE CORNER AREAS OF THE BUILDING
-  INDICATES THE PERIMETER AREAS OF THE BUILDING
-  INDICATES THE FIELD AREAS OF THE BUILDING

#	DATE	BY	DESCRIPTION

PROJECT NAME:	BUILDING NAME
OWNER'S LOGO:	BUILDING OWNER'S ADDRESS
PROJECT LOCATION:	BUILDING ADDRESS

OWNER'S NAME:	BUILDING OWNER
OWNER'S LOGO:	BUILDING OWNER'S ADDRESS
PROJECT LOCATION:	BUILDING ADDRESS
DRAWN BY:	TEA
CHECKED BY:	SMB
DATE ISSUED:	11-13-12
SCALE:	NTS
DWG #	RP-1