



PROJECT DESCRIPTION:
 THIS PROJECT IS AN ADDITION TO AN EXISTING 39,950 SQUARE FOOT (134 OCCUPANTS - BASED ON 300 S.F. PER OCCUPANT) HAY PROCESSING BUILDING WITH LOADING DOCK. IT WILL REQUIRE REMOVAL OF AN EXISTING TRAILER WHICH SERVES AS A BREAK ROOM AND REST ROOM FACILITY AND THE REMOVAL AND REPLACEMENT OF AN EXISTING SEPTIC TANK. THE NEW 1840 SQUARE FOOT BUILDING (13 OCCUPANTS - BASED ON 100 S.F. PER OCCUPANT) WILL BE CONSTRUCTED TO MEET TYPE V-B REQUIREMENTS AND WILL BE LOCATED ADJACENT TO THE EXISTING BUILDING. THE NEW CONSTRUCTION WILL BE FIRE SEPARATED PER THE INTERNATIONAL BUILDING CODE, 2006 EDITION SO THAT NO ADDITIONAL AREA IS ADDED TO THE EXISTING PROCESS BUILDING.

THE NEW ADDITION WILL SERVE AS A BREAK ROOM AND A REST ROOM FACILITY FOR THE EXISTING PROCESS BUILDING AS WELL AS AN OFFICE SPACE FOR THE LOADING DOCK. THE REST ROOM FACILITY, WILL BE DESIGNED TO ACCOMMODATE THE NEW & EXISTING FACILITY WITH OCCUPANCY LOAD DISTRIBUTION PER SECTION 2902.1.3 OF THE IBC WITH WASHINGTON STATE AMENDMENTS.

CODE:
 EXISTING BUILDING: OCCUPANCY CLASS - H-3 (HAY PROCESSING)
 CONSTRUCTION TYPE - III B (NON-SPRINKLED)
 NEW BUILDING: OCCUPANCY CLASS - B
 CONSTRUCTION TYPE VB (NON-SPRINKLED)
 BUILDING AREA - 1840 S.F.
 ALLOWABLE AREA - 9000 S.F.
 FIRE WALL - 3 HOUR (PER IBC TABLE 705.4)
 OPENINGS - 3HOUR (PER IBC TABLE 715.4)
 PARAPETS - NOT REQUIRED PER IBC TABLE 705.6 EXCEPTION 3
 EGRESS OCC LOAD - 1238 S.F./100 S.F. PER OCC = 12.38 (13 OCCUPANTS)

BATHROOM OCCUPANCY LOAD:
 EXISTING - 39448 S.F./2000 S.F. PER OCC = 19.72 (20 OCC -10 MEN/10 WOMEN)
 NEW - 1238 S.F./200 S.F. PER OCC = 6.19 (7 OCC -4 MEN/3 WOMEN)
 TOTAL OCCUPANCY - 14 MEN / 13 WOMEN
 (2) MENS WATER CLOSETS REQUIRED (1) LAVATORY
 (2) WOMENS WATER CLOSETS REQUIRED (1) LAVATORY

ENERGY CODE (ZONE 5)

	PROVIDED	REQUIRED
ROOF	R-30 ENERGY SAVER	R-19
WALL	R-19	R-13
FOUNDATION WALL	R-10 (RIGID)	R-10
WINDOWS		U-FACTOR = .55
DOORS		U-FACTOR = .8

LEGEND

- TOTAL SITE AREA: 1,112,379 S.F.
- = EXISTING BUILDING; TOTAL SQUARE FOOTAGE = 217,794 S.F.
- = GRAVEL; TOTAL SQUARE FOOTAGE = 605,835 S.F.
- = CONCRETE; TOTAL SQUARE FOOTAGE = 37,345 S.F.
- = ASPHALT; TOTAL SQUARE FOOTAGE = 249,680 S.F.
- = NEW OFFICE ADDITION; TOTAL SQUARE FOOTAGE = 1,840 S.F. **33,750**

NOTE: THE STAMP ON THESE DRAWINGS IS FOR FIRE / LIFE SAFETY ONLY. METAL BUILDING, FOUNDATION, AND CMU WALL DESIGN BY OTHERS.

SITE PLAN

SCALE: 1" = 80'-0"

STRUCTURE ENGINEERING INC.

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OFFICE ADDITION FOR ANDERSON HAY COMPANY PREPARED FOR PUTERBAUGH CONSTRUCTION

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