

October 21, 2009 - KCC DRAFT SUMMARY:

CTC SQUARE FOOTAGE SUMMARY:

Current GSF: 17,146

Total GSF original: 15,610 / (16,030)

Difference: 1,536

Added SF from what was programmed:

New offices: 315 GSF (includes 2 offices and reception desk area)

Enlarged work area: 180 GSF +/-

Labs: 1,000 GSF+ (due to bay widths increasing, bay depth increase.)

Updated GSF original: 17,105

Difference: 41

**The student lobby/ seating space is additional to the program but is essentially a widened corridor space; 1,920 SF was programmed for circulation, and existing corridors + student lobby space = 1929 SF.

HSB SQUARE FOOTAGE SUMMARY:

Current GSF: 34,724

Total GSF original: 29,820 / (31,620)

Difference: 4,904

Added SF from what was programmed:

Two new Classrooms: 2,715 GSF (includes added circulation and 28% efficiency factor)

Enlarged Student Activity: 1,280 GSF (includes 28% efficiency factor)

Updated GSF original: 33,815

Difference: 909

LIBRARY SQUARE FOOTAGE SUMMARY:

Current GSF: 3,840

BUILDING ASSUMPTIONS, HSB:

Ground floor:

CMU walls to act as shear walls and create thermal mass (Quantity and locations to be determined in further study).

In addition, steel columns, steel beams, metal deck supporting the 2nd floor concrete slab.

All Non-CMU walls to be non-bearing metal stud framing infill.

Wall system:

1/2" cement board,

moisture barrier,

rigid insulation (Duane, please quantify thickness),

furring channels,

CMU veneer, metal or wood siding (Quantity and locations to be determined in further study.)

2nd Floor

CMU walls to act as shear walls and create thermal mass (Quantity and locations to be determined in further study, exterior finish same as per ground floor).

In addition, steel columns, steel beams in East-West direction, glue-lam beams in North-South direction at 8 ft o.c. with cost effective panelized roof system:

2x8's nailed to plywood sheets in shop and installed between glue-lams,

vapor barrier,

rigid insulation (Duane, please quantify thickness),

backing board,

moisture barrier,

metal roofing

2x8's to be covered with acoustic material. All other structural elements to be exposed, except for steel columns inside metal stud walls. Where beams are exposed to exterior = glue-lams replace the steel beams.

BUILDING ASSUMPTIONS, CTC:

Ground Floor

CMU walls to act as shear walls and create thermal mass (Quantity and locations to be determined in further study). All Non-CMU walls to be non-bearing metal stud framing infill.

Wall system:

1/2" cement board,

moisture barrier,

rigid insulation (Duane, please quantify thickness),

furring channels,

CMU veneer, metal or wood siding (Quantity and locations to be determined in further study.)

In addition, steel columns, steel beams in East-West direction, glue-lam beams in North-South direction at 8 ft o.c. with cost effective panelized roof system:

2x8's nailed to plywood sheets in shop and installed between glue-lams,

vapor barrier,

rigid insulation (Duane, please quantify thickness),

backing board,
moisture barrier,
metal roofing

For translucent exterior cover at loading area:
Steel beam structure both directions with translucent roof panels

2x8's to be covered with acoustic material. All other structural elements to be exposed, except for steel columns inside metal stud walls

BUILDING ASSUMPTIONS, LIBRARY :

Ground Floor

CMU walls to act as shear walls and create thermal mass (Quantity and locations to be determined in further study). All Non-CMU walls to be non-bearing metal stud framing infill.

Wall system:

1/2" cement board,
moisture barrier,
rigid insulation (Duane, please quantify thickness),
furring channels,
CMU veneer, metal or wood siding (Quantity and locations to be determined in further study.)

In addition, steel columns, all glue-lam beams in North-South direction at 16 ft o.c. with 2x12's at 24" o.c. supporting:

plywood sheets,
vapor barrier,
rigid insulation (Duane, please quantify thickness),
backing board,
moisture barrier,
metal roofing

2x12's to be covered with acoustic material. All other structural elements to be exposed, except for steel columns inside metal stud walls.