

BILL OF MATERIAL GENERAL CONTRACTOR

QUANTITIES SHOWN ARE ACTUAL QUANTITIES - NO ALLOWANCES MADE FOR BREAKAGE, DAMAGE OR OTHER DISCREPANCIES

SCAFFOLDING, SHORING TEMPORARY, BRACING, MATERIAL HOUSING PROTECTIONS, COVERING - NOT INCLUDED

CONTRACTOR SHALL REPORT ANY DIFFERENCE TO ENGINEER
THIS BILL OF MATERIAL IS PREPARED TO AID THE CONTRACTOR
TO PRESENT HIS BID. HE SHALL ADD OR DELETE QUANTITIES
IN ERROR

ITEM	WHERE USED	DESCRIPTION	QUANTITY	NOTES
FACE BRICK	NORTH WALL UNDER CLASS ROOM WINDOWS ONLY	155'-0" x 4'-0" = 620 SQ. FT.	4030 - FACE BRICK	6 1/2 BRICK TO SQ. FT., NO BRICK OR BLOCK REQ'D ABOVE WINDOWS
FACE BRICK	SOUTH WALL	576 ft ² UNDER CLASSROOM 216 ft ² UNDER REMAINING 231 ft ² BETWEEN WINDOWS 620 SQ. FT.	6650 - FACE BRICK	SAME NOTE AS ABOVE
4x8x16 SAND & GRAVEL BLOCK	NORTH WALL UNDER CLASS ROOM WINDOWS ONLY		744 - 4x8x16 BLOCK	1 1/2 BLOCK TO SQ. FT. NO BLOCK REQ'D ABOVE WINDOWS
4x8x16 BLOCK	SOUTH WALL	1023 SQ. FT.	1228 - 4x8x16 "	SAME NOTE AS ABOVE
4x8x16 BLOCK	NORTH & EAST WALL OF BOILER ROOM	14'-8" x 28'-4" = EAST WALL 14'-8" x 30' = NORTH WALL = 870 SQ. FT.	1044 - 4x8x16 "	1 1/2 BLOCKS TO SQ. FT.
FACE BRICK	NORTH & EAST WALL OF BOILER ROOM	870 SQ. FT.	5655 - FACE BRICK	6 1/2 BRICK TO SQ. FT.
FACE BRICK	EAST WALL	12'-8" x 33' = 429 ft ² AND 12x10' = 120 SQ. FT.	3568 - FACE BRICK	"
4x8x16 BLK.	EAST WALL	12'-8" x 33' = 429 ft ²	515 - BLOCK 4x8x16	1 1/2 BLOCK SQ. FT.
FACE BRICK	NORTH LOBBY	4' x 10' - BOTH SIDES = 40 ft ²	520 - FACE BRICK	13 BRICK TO SQ. FT.
FACE BRICK	WEST WALL & WEST WALL AT ENTR.	12'-8" x 9'-0" = 115 sq ft 12'-8" x 31' = 396 sq ft	5184 - FACE BRICK	"
4x8x16 BLK.	WEST WALL & ENTRANCE	396 ft ² =	1123 - 4x8x16 BLK.	"
FACE BRICK	CHIMNEY	512 SQ. FT. FACE BRICK 400 SQ. FT. 8" THICK 16' - 24x24 FLUE TILE	3328 - FACE BRICK 5600 - COMMON BRK 3718 - COMMON BRK.	"
8x8x16 BLKS	WEST WALL - BOYS TOIL	10'-8" x 24'-8" = 275 ft ²	300 - 8x8x16 BLKS	"
8x8x16 BLKS	EAST WEST WALLS GIRLS	10'-8" x 24'-8" - 2 WALLS 550 ft ²	600 - 8x8x16 BLKS	"
"	EAST WALL OF LOBBY	16'-8" x 10'-8" = 187 SQ. FT.	225 - 8x8x16 BLKS	"
"	NORTH WALL - CORRIDOR	150' x 10'-8" = 1650 ft ²	1980 - 8x8x16 BLKS	"
BLOCKS	SOUTH WALL OF CORRIDOR ABOVE BEAMS	144' x 1'-8" = 172.8 ft ²	232 - 8x8x16 116 - 4x8x16 "	"
"	SOUTH WALL OF CORRIDOR 29'-x10'-8" LESS DOORS, AT HEALTH ROOM & OFFICE		320 - 8x8x16" BLKS	"
4x8x16 BLOCKS	FILL-IN BETWEEN 16' x 16" COLUMNS	124' x 7'-4" = 890 ft ²	1068 - 4x8x16 BLKS	"
8x8x16	COLS. MARKED ③, ⑤, ⑦	6' x 10'-8" = 66 ft ²	80 - 8x8x16 BLKS	"
8x8x16	COLS. MARKED ④, ⑥, ⑧	12 COLS. 1'-4" x 1'-4" x 7'-4"	264 - 8x8x16 BLKS	"
6" GYPSUM BLOCK	CLASS PARTITIONS & OFFICE PARTITION	PYRO BAR PARTITIONS 7' - 20'-8" x 10'-8" = 1620 ft ²	700 - 12" x 30"	"
CONCRETE	WINDOW SILLS	350 LIN. FT. 16" x 6" = 233 CU. FT.	9 CU. YARDS	820 LIN. FT. 3/8" R. DS. 1" K 3/4
CONCRETE	COPING	170 LIN. FT. 8" x 8" = 136 CU. FT.	3.5 CU. YARDS	400 LIN. FT. 3/8" R. DS. MK-304 AND 180 LIN. FT. FLASHING

SUMMARY OF REQUIREMENTS FOR DIV. D GENERAL CONTRACTOR

(1) FACE BRICK	29,000
(2) COMMON BRICK	9,500
(3) 8x8x16 SAND & GRAVEL BLOCKS	4,000
(4) 4x8x16 SAND & GRAVEL BLOCKS	5,900
(5) 16 FLUE TILE 24"x24"x2'-0"	16
(6) 6" THICK HOLLOW GYPSUM TILE	700
(7) MASONRY CEMENT (40 BLKS) PER BAG + 222 BRICK	425 BAGS
(8) PLASTER AS MORTAR FOR GYPSUM BLOCK	86 CU. YD.
(9) MASONRY SAND	50 CU. YD.
(10) 8x16 CONCRETE ROOF SLABS	9931 SQ. FT.
(11) 6x12 (SLAB CONTRACTOR TO FURNISH UNDER SIDE OF SLAB)	2084 SQ. FT.
(12) CONCRETE WINDOW SILLS & COPING	13 CU. YD.
(13) WINDOWS - SEE SCHEDULE - INCLUDE GLASS & CAULKING	
(14) DOORS & DOOR FRAMES & HARDWARE - SEE SCHEDULE - (INCLUDE GLASS) & CAULKING	
(15) STEEL & REINFORCING - SEE SCHEDULE	
(16) 180 LIN. FT. FLASHING 10" WIDE	180 LIN. FT.
(17) CONCRETE FOR EAST CANOPY	1 CU. YD.
(18) SHEATHING FOR EAST CANOPY	100 SQ. FT.
(19) 3/16" TRANSITE FOR EAST CANOPY	160 SQ. FT.
(20) 2x2 - WHITE PINE FOR EAST "	30 BD. FT.
(21) GLASS WOOL INSULATION	320 SQ. FT.
(22) BARGE BOARDS - 385 LIN. FT. 2x10	650 BD. FT.
(23) MISC. LUMBER FOR BARGE BOARDS & MISC.	300 BD. FT.
(24) 7-2x8-14' CLOTHES HANGER LUMBER	600 BD. FT.
7-1x6-14' "	
8-1x8-14' "	
3/4" HANGER PIPE & HANGERS	120 LIN. FT.
(25) TOILET COMPARTMENTS (4 IN ONE ROOM - 6 OTHER	26 HANGERS
(26) INSULATION IN SLAB CAVITIES	100 SQ. FT.
(27) SHEET ALUMINUM FACING FOR 7 MULLIONS	100 SQ. FT.

NOTE: FORM LUMBER, NAILS, WIRE TIES, & MINOR ITEMS NOT INCLUDED

NOTE: GENERAL CONTRACTOR NOT TO INCLUDE LABOR & MATERIAL LISTED IN SHEET B FOR FOUNDATION CONTRACTOR. THIS GENERAL CONTRACTOR, NOT TO INCLUDE IN HIS BID COST OF LABOR & MATERIAL FOR (1) WORK OUTLINED FOR BID BY EXCAVATING CONTRACTOR

- (2) TARP & GRAVEL ROOFING, ROOF INSULATION, GUTTERS & DOWN SPOUTS
- (3) PLASTERING OF WALLS
- (4) ASPHALT FLOOR TILE & TILE BASE BOARD
- (5) FURNITURE & BLACKBOARDS
- (6) PLUMBING, HEATING, ELECTRICAL
- (7) EXTERIOR & INTERIOR PAINTING

THIS CONTRACTOR TO ERECT CERTAIN BEAMS WHICH WILL BE FABRICATED ON THE JOB BY FOUNDATION CONTRACTOR

BILL OF MATERIAL FOR ONE UNIT VENTILATION SLEEVE

4 ANGLES - 3/4" x 3/4" x 3'-6"	11
2-1/8" PLATE 6" x 3'-6"	19
2-1/8" END PLATES 6" x 1'	3

END VIEW OF UNIT VENTILATION SLEEVES (8 REQ'D)

SUMMARY STEEL REQUIREMENTS BY GENERAL CONTRACTOR

ITEM NO.	DESCRIPTION	WHERE USED	WEIGHT
C-1	16	COL. ASSEMBLY CLASSROOMS	6730
C-2	4"	PIPE COL. EAST ENTRANCE	118
C-3	3/2"	" NORTH ENTRANCE	80
(B-1)	14" W 34" W PLATES	LOBBY	700
(B-2)	8" I 18.4" W PLATES	EAST ENTRANCE	346
(B-3)	12" C 20.7"	EAST ENTRANCE	252
(B-4)	12" C 20.7"	"	147
(B-5)	4" C WITH PLTS.	"	76
(B-6)	2-CHANNELS	"	264
UNIT VENT SLEEVES - 8 REQUIRED			864
A-1	8	3x3x5/16"	318
A-2	5	2x2x3/16"	50
A-3	2	2x2x3/16"	58
L-1	5	28" x 3/8" x 5/16"	308
L-2	8	23" "	555
304 1220 LIN. FT. 3/8" R. DS.		COPING SILLS	464
8054 FT. EXTERIOR RUSH			
GENERAL CON. - TOTAL WEIGHT			10,740

LIBERTY SCHOOL BILL OF MATERIAL GEN. CONTR.

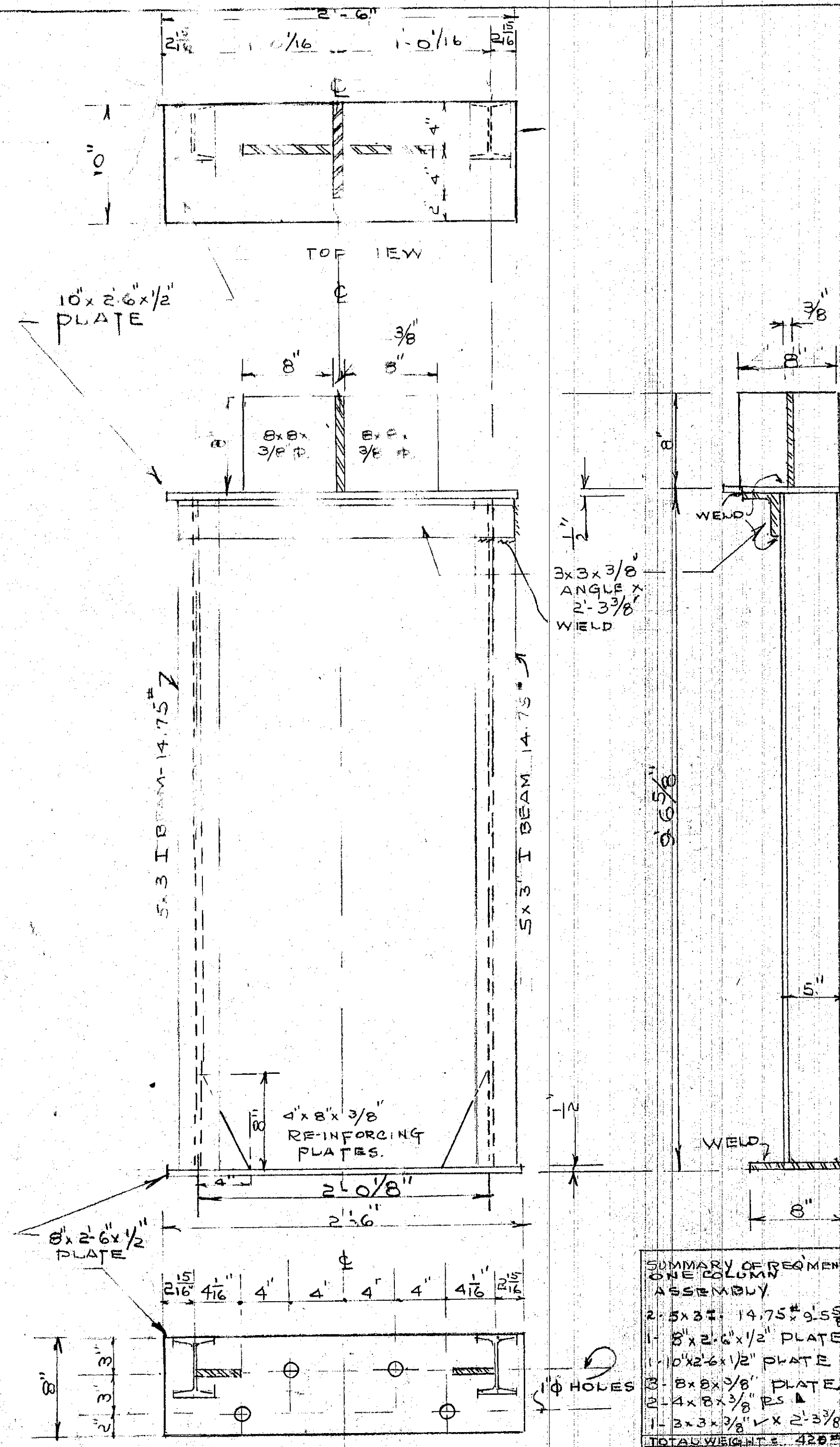
CHESTER L. STEMP
Structural and Design Engineer
Chesterton, Indiana

SHEET 9

OF

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5-20-52



ITEM NO.	DESCRIPTION	WHERE USED	WEIGHT
1	8x8x3/8" PLATE	10x26x1/2" PLATE	
2	8x8x3/8" PLATES	2-4x8x3/8" PLATES	
3	1-3x3x3/8" L x 2-3/8"		
TOTAL WEIGHTS 420 LB			

COLUMN ASSEMBLY (C1) 16 REQUIRED

