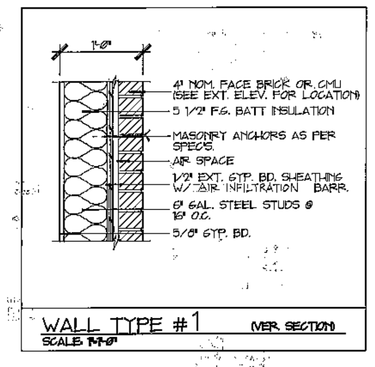
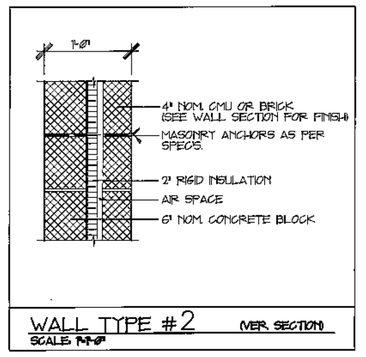
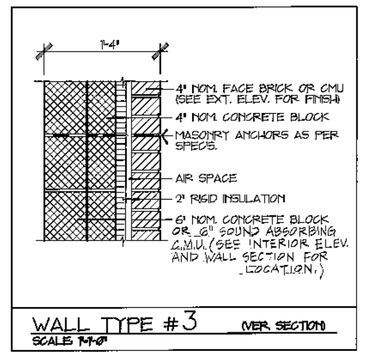


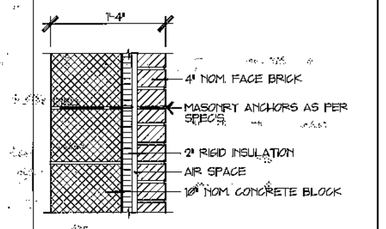
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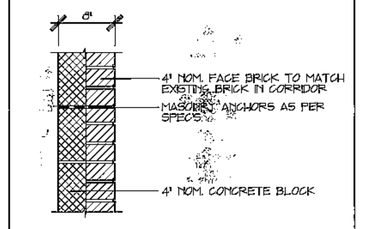
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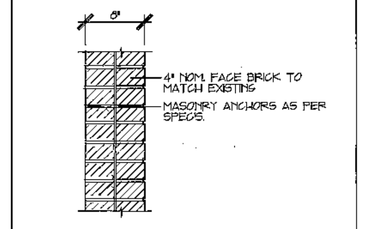
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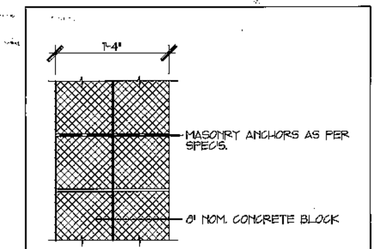
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WALL TYPE #5 (PER SECTION)
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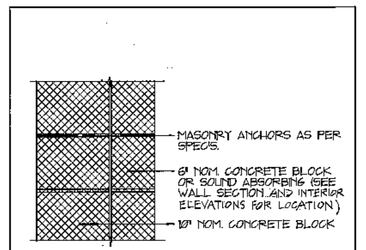


WALL TYPE #6 (PER SECTION)
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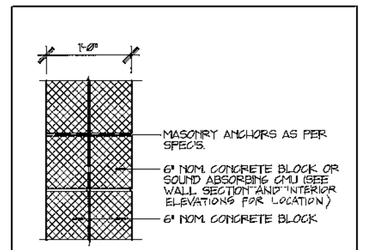
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WALL TYPE #7 (PER SECTION)
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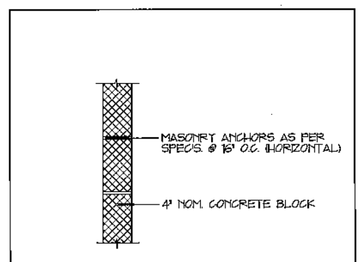
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WALL TYPE #8 (PER SECTION)
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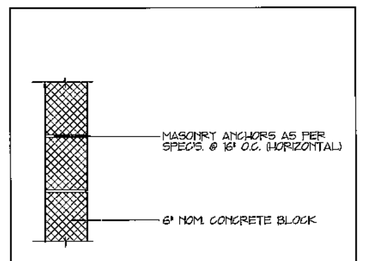


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WALL TYPE #9 (PER SECTION)
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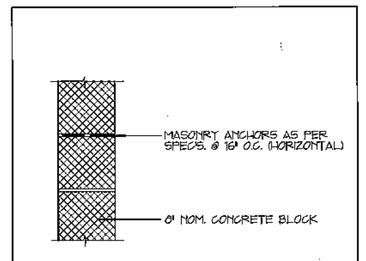


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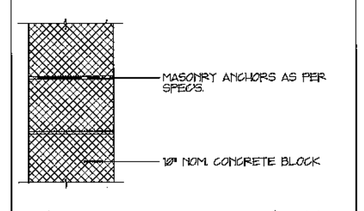
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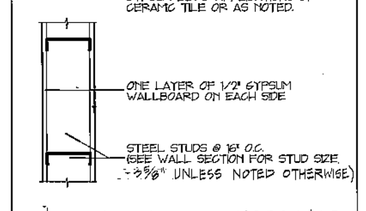
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WALL TYPE #12 (PER SECTION)
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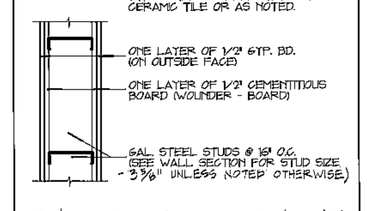
2 HR. RATING: U.L. DESIGN NO. U905

WALL TYPE #13 (PER SECTION)
SCALE: 1"=1'-0"



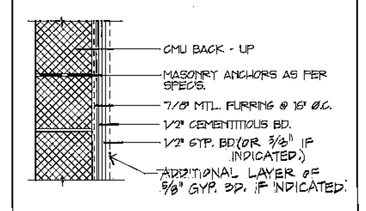
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WALL TYPE #14 (PLAN SECTION)
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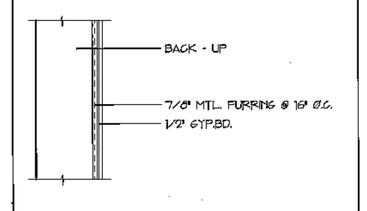


2 HR. RATING: U.L. DESIGN NO. U411

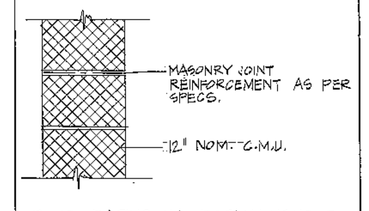
WALL TYPE #15 (PLAN SECTION)
SCALE: 1"=1'-0"



WALL TYPE #16 (PER SECTION)
SCALE: 1"=1'-0"



WALL TYPE #17 (PER SECTION)
SCALE: 1"=1'-0"



2 HR. RATING: U.L. DESIGN NO. U905

WALL TYPE #18
SCALE: 1"=1'-0"

WALL TYPES

SEE PLANS ON DRAWING A-2 FOR LOCATIONS OF FIRE RATED WALLS

GRAPHIC INDICATIONS

- 101 — ROOM NUMBER
- 23 — DOOR NUMBER
- 1 / 4 A4 2 / 3 — INTERIOR ELEVATION NO.
- B — WINDOW TYPE
- 12 / A1 — DETAIL NUMBER
- A — MATCH LINE
- 6 / A5 — EXTERIOR ELEVATIONS
- A / A–8 — BUILDING SECTION
- 5 / A7 — WALL SECTION
- 1 / A — COLUMN GRID LINES
- CONTROL POINT
- 10 — PARTITION TYPE

MATERIALS LEGEND

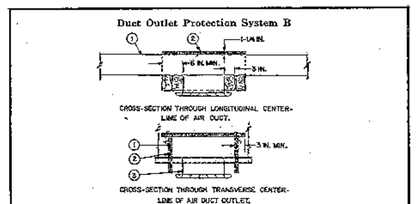
- CONCRETE
- CONCRETE BLOCK
- BRICK
- STONE
- COMPACTED GRAVEL
- CRUSHED STONE
- BITUMINOUS PAVING
- UNDISTURBED SOIL
- METAL
- GYPSUM BOARD
- PLYWOOD
- WOOD FRAMING—THROUGH MEMBER
- WOOD FRAMING—INTERRUPTED MEMBER
- FINISH WOOD
- BATT INSULATION
- ACOUSTICAL INSULATION
- RIGID INSULATION
- CERAMIC/QUARRY TILE
- BUILT-UP ROOFING
- ACOUSTICAL TILE
- PLASTIC LAMINATE
- CARPETING

ABBREVIATION LIST

&,$	And	F.A.	Fire Alarm	OV.	Overall
L	Angle	F.C.	Fire Code	O.C.	On Center
@	At	F.D.	Floor Drain	O.D.	Outside Diameter
℄	Centerline	FND.	Foundation	O.H.	Overhead
#	Diameter or Round Pound or Number	F.E.	Fire Extinguisher	OPNG.	Opening
		F.E.C.	Fire Extinguisher Cabinet	OPP.	Opposite
A/C	Air Conditioner	F.H.C.	Fire Hose Cabinet	PL.	Plate
ACOUS.	Acoustical	FIN.	Finish	P.L.	Plastic Laminate
A.D.	Area Drain	FL.	Floor	PLYWD.	Plywood
ADJ.	Adjustable	FLASH.	Flashing	PR.	Pair
A.F.F.	Above Finish Floor	FLUOR.	Fluorescent	PREF.	Prefinished
AGGR.	Aggregate	F.R.	Fire Retardant	PT.	Point or Point
AL.	Aluminum	F.S.P.	Fire Stand Pipe	P.T.	Pressure Treated
APPROX.	Approximately	FT.	Foot or Feet	PTD.	Painted
ARCH.	Architectural	FTG.	Footing	P.T.M.	Patch to Match
		FURR.	Furring	PTN.	Partition
B.C.	Block Course				
BD.	Board	GA.	Gauge	Q.T.	Quarry Tile
BITUM.	Bituminous	GALV.	Galvanized		
B.F.E.	Bottom of Footing Elevation	G.B.	Grab Bar	R.	Riser
		GL.	Glass	RAD.	Radius
BLDG.	Building	GYP.	Gypsum	R.D.	Roof Drain
BLK.	Block			REF.	Reflected
BLKG.	Blocking	H.B.	Hose Bibb	REFR.	Refrigerator
BM.	Beam	H.C.	Hollow Core	REINF.	Reinforced
B.N.	Bullnose	HDWD.	Hardwood	REQ'D.	Required
BOT.	Bottom	HDWE.	Hardware	RESIL.	Resilient
B.T.F.	Beat to Fit	H.M.	Hollow Metal	RM.	Room
		HORIZ.	Horizontal	R.O.	Rough Opening
CAB.	Cabinet	HR.	Hour	R.W.L.	Rain Water Leader
C.B.	Catch Basin	HT.	Height		
CEM.	Cement	HVAC	Heating, Ventilating and Air Conditioning	S.C.	Solid Core
CER.	Ceramic			SCHED.	Schedule
C.I.	Cast Iron			SECT.	Section
C.J.	Control Joint	I.D.	Inside Diameter	S.H.	Shower Head
CLG.	Ceiling	IN.	Inch	SIM.	Similar
CLKG.	Caulking	INSUL.	Insulation	SPEC.	Specification
CLO.	Closet	INT.	Interior	SQ.	Square
C.L.	Center Line	I.P.S.	Iron Pipe Section	S.S.	Stainless Steel
CMU	Concrete Masonry Unit			STA.	Station
COL.	Column	JAN.	Janitor	STD.	Standard
CONC.	Concrete	JT.	Joint	STL.	Steel
CONSTR.	Construction			STOR.	Storage
CONT.	Continuous	KIT.	Kitchen	STRUCT.	Structural
CORR.	Corridor			SUSP.	Suspended
C.U.H.	Cabinet Unit Heater	LAB.	Laboratory		
		LAM.	Laminate	T	Toilet
DBL.	Double	LAV.	Lavatory	TEL.	Telephone
D.F.	Drinking Fountain	LT.	Light	T&G	Tongue & Groove
DET.	Detail	LTDW	Less than door width	THK.	Thick
DIA.	Diameter	MATL.	Material	T.B.S.E.	Top Of Brick Shelf Elevation
DIM.	Dimension	MAX.	Maximum		
DN.	Down	M.C.	Medicine Cabinet	T.S.E.	Top Of Steel Elevation
DWG.	Drawing	MDO	Medium Density Overlay	T.W.E.	Top Of Wall Elevation
		MECH.	Mechanical	TYP.	Typical
EA.	Each	MEMB.	Membrane		
E.J.	Expansion Joint	M.E.P.	Mechanical, Electrical, Plumbing	U.O.N.	Unless Otherwise Noted
EL.	Elevation			UR.	Urinal
ELEC.	Electrical	MFR.	Manufacturer		
ELEV.	Elevator	MH.	Manhole	VERT.	Vertical
EMER.	Emergency	MIN.	Minimum	V.E.S.	Vitreous Epoxy Surfacing
ENCL.	Enclosure	MISC.	Miscellaneous	V.W.C.	Vinyl Wall Covering
EQ.	Equal	M.O.	Masonry Opening		
EQT.	Equipment	M.R.	Moisture Retardant	W/	With
E.W.	Each Way	MAS.	Masonry	W.C.	Water Closet
E.W.C.	Electric Water Cooler	MTL.	Metal	WD.	Wood
EXIST.	Existing			W/O	Without
EXT.	Exterior	N.I.C.	Not In Contract	WP.	Waterproof
		NO.	Number	WT.	Weight
		NOM.	Nominal	W.W.M.	Welded Wire Mesh
		N.T.S.	Not To Scale		

GENERAL NOTES (APPLICABLE TO DIVISIONS 0 THRU 16)

1. Caution shall be exercised during construction to avoid disturbing underground utility lines in the area. Any damage done, as a result of new construction shall be repaired to the Owner's satisfaction with repair costs borne by Contractor.
2. Coordinate location of all mechanical and electrical items to be built into the walls and floors and be responsible for avoiding conflict with other trades.
3. Provide sleeve, boxes, slots or inserts in walls as required for electrical and mechanical items.
4. Any hanger, support, ducts, pipes, conduits or other electrical/mechanical items penetrating fire rated ceilings and walls shall not destroy the integrity of the rated assembly. Fill holes and openings per Detail 5/A-2 on Drawing A-2.
5. All exposed to view concrete foundation wall above grade shall be coated with lean mixture of 1 part cement and 3 parts sand. Rub off all projections in concrete wall before application.
6. Unless otherwise noted, 3 courses of brick shall equal to one course of concrete block or 8".
7. Seal all cracks in exterior envelope of building and shimmed spaces around doors, windows, storefront aluminum framing and skylights with foam sealant and silicone sealant, unless noted otherwise.
8. All single wythe and composite (brick and block) wall thicknesses indicated on drawings are nominal. The thickness of all chase and cavity walls are actual thicknesses.
9. Provide masonry control joints at interior walls at every column and along every masonry wall. Spacing to be 20'-0", unless noted otherwise. See exterior elevations for location of exterior control joints.
10. Provide bullnose block at all outside corners except areas with ceramic wall tiles. Provide bullnose blocks at door jambs and as indicated. First course of blocks at door jambs shall be square edge blocks.
11. All interior CMU joints shall match that in the existing walls.
12. Typical unrated interior walls shall extend minimum of 8" above highest adjacent finished ceiling line unless noted otherwise.
13. All fire rated walls shall extend to the underside of the roof/floor deck above. Fill holes and openings per Detail 5/A-2 on Drawing A-2.
14. Extend wall finishes 6" above suspended ceiling except as noted.
15. See interior elevations and toilet accessories schedule for location of all toilet accessories to be built into the wall.
16. General Contractor shall provide blocking for all fixtures and accessories (Typ.).
17. The Contractor shall verify all existing conditions and dimensions and be responsible for the same prior to the start of construction. Any existing condition found to be different than what is indicated on the drawings shall be brought to the Architect's attention before proceeding with the work in the area.
18. Patch and match existing areas disturbed by installation, extension, removal and modifications to electrical, mechanical, plumbing lines, alterations and general construction. Paint all exposed to view conduits, boxes, grilles and pipes.
19. Where MECH. PLUMBING & electrical work are required under the existing floor slabs, remove existing slab by saw cutting. Install below ground work as shown. Repair with 4" concrete slab on compacted fill. Match flooring with surrounding surface.
20. Repair loose or cracked mortar joints at existing walls. Remove cracked units and replace with new matching ones.
21. Where new doors are being installed in existing frames, the Contractor shall obtain and be responsible for the exact field-measured frame openings before installation. (Sizes given in Schedule are approximate). The Contractor shall prepare the existing frame for installation of new door and hardware. Preparation shall include, but not be limited to, the following:
    a) Removal of existing door and hardware and installation of new door and hardware.
    b) Patching of holes and recessed in frame resulting from removal of existing hardware.
    c) Some frame are out of square. Prepare doors as necessary to fit into existing hardware.
    d) Undercut door bottoms as field conditions warrant.
22. ALL NEW INTERIOR C.M.U. WALLS SHALL BE IN STACK BOND COURSING (TYP.)
23. PROVIDE REGULAR GROUT FILLED C.M.U.'S AT MOUNTING POINTS FOR CABLE SUPPORTS, AND ALL WALL MOUNTED GYM EQUIPMENT/ ITEMS AND BRACKETS.

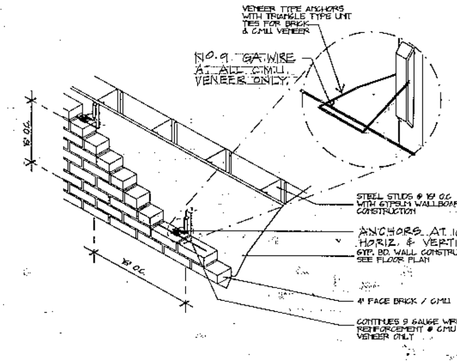


Duct Outlet Protection System B

1. **Steel Air Duct**—Construction and support provisions as specified in the individual designs. Outlet to be provided with a louvered, surface mounted, steel diffuser, fastened securely with steel fasteners. Duct supported by 1½ in. min 0.093 in. thick (No. 16 gauge) cold-rolled steel channel hung at each end from structural members of floor or roof with No. 12 SWG galv steel wire. When duct outlets are 144 sq in. or smaller, cold-rolled channels shall be located adjacent to one or both sides of the duct outlet and spaced a max of 48 in. O.C. When duct outlets are larger than 144 sq in., cold-rolled channels shall be located adjacent to each side of the duct outlet and spaced a max of 48 in. O.C.
2. **Mineral Wool Batts**—1½ in. thick mineral wool batts, 3.5 to 8.0 pcf density. Top piece of batt shall extend at least 3 in. beyond the sides of the duct and 6 in. beyond the edges of the duct outlet. Side pieces shall extend from the lower face of the top piece to the upper face of the ceiling membrane along the entire length of the top piece. Side pieces tied to top piece with No. 18 SWG galv steel wire, 18 in. O.C. Material shall have a flame spread index of 25 or less, a smoke developed index of 50 or less as determined by the Standard ANSI/UL 723, and shall comply with all other specifications outlined in Standard NFPA 90A.
3. **Ceramic Paper**—Where specified in the design, ceramic paper shall be affixed to the duct outlet.

NOTE:
THE DUCT OUTLET PROT. SYSTEM B SHOWN ABOVE, SHALL BE FURNISHED FOR ALL EXISTING AND NEW DUCT OUTLETS, IN ALL FLOOR/CEILING AND ROOF/CEILING ASSEMBLIES INSTEAD OF DAMPERS WITH FUSIBLE LINKS AS SHOWN IN REFERENCED U.L. DESIGNS ON DWG. A-2.

3/A-1 TYPICAL DUCT OUTLET PROT. DETAIL
NO SCALE



BRICK / C.M.U. VENEER REINFORCEMENT DETAIL

CAVITY WALL REINFORCEMENT DETAIL

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REVISIONS

NO.	DATE	DESCRIPTION

THE LAWRENCE ASSOCIATES
ARCHITECTS / PLANNERS, P.C.
1079 TOLLAND TURNPIKE - MANCHESTER, CONNECTICUT 06040
(203) 643-2151

PROJECT NUMBER 2155.01

PROJECT TITLE
ALTERATIONS AND ADDITIONS TO :
BOLTON ELEMENTARY SCHOOL
NOTCH ROAD
BOLTON, CONNECTICUT

DRAWING TITLE
ABBREVIATION LIST, WALL TYPES ETC...

SCALE: AS NOTED
DATE: 8-17-1992

A-1
DRAWING NO. OF 89