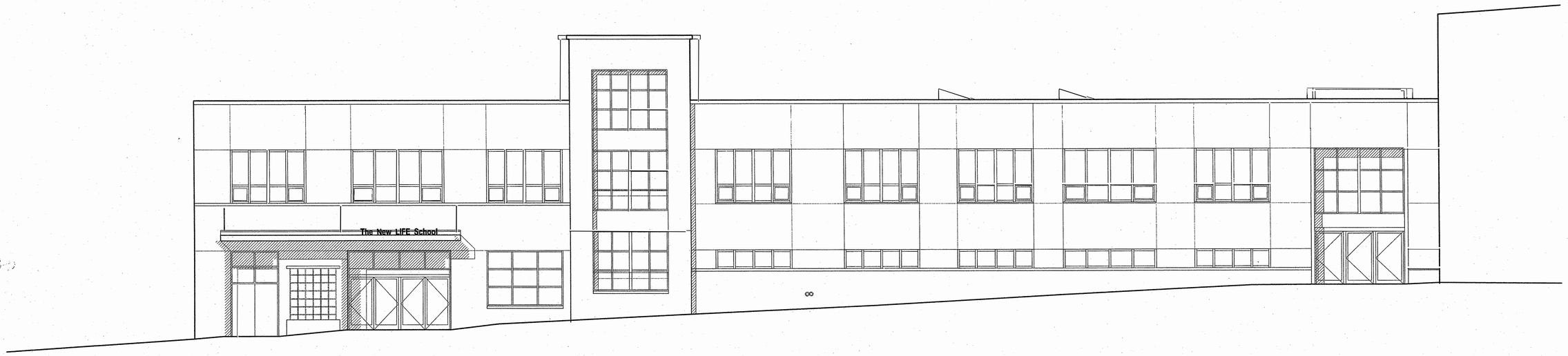


The New LIFE Secondary School

Conversion of an existing warehouse into a high school. **Bronx, New York Block: 2619 Lot: 27**

12-04-08BULLETIN #1

Client : **Lutheran Social Services of New York**
475 Riverside Drive # 1244
New York, NY 10115
Tel: (212) 870-1100 Fax: (212) 870-1101

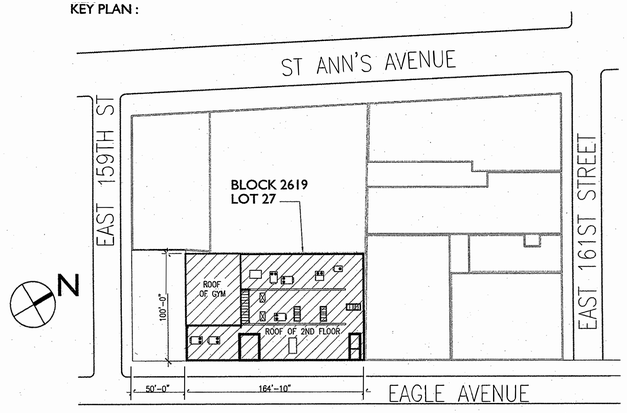
Architect : **Magnusson Architecture & Planning, PC**
853 Broadway Suite 800
New York, NY 10003
Tel: (212) 253-7820 Fax: (212) 253-1276

Structural Engineer: **Nash Associates Structural Engineers**
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer: **Rodkin Cardinale, P.C.**
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor: **Upright Expediters**
249 Seacliff Avenue
Seacliff, NY 11579
Tel: (516) 676-2110

KEY PLAN :



ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO C. TURNER
210121429

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ABBREVIATIONS

AB	ANCHOR BOLT
ABV	ABOVE
AC	AIR CONDITIONING
ACM	ASBESTOS CONTAINING MATERIAL
ACOUST	ACOUSTICAL
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN/ACCESS DOOR
ADD	ADDENDUM
ADDL	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJUSTABLE
ADJC	ADJACENT
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
AL/ALUM	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED (ANODIC COATING)
AP	ACCESS PANEL
APPROX	APPROXIMATE(LY)
APT	APARTMENT
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT(IC)
AUTO	AUTOMATIC
AUX	AUXILARY
AV	AUDIO/VISUAL
AVG	AVERAGE
BC	BOTTOM/BACK OF CURB
BD	BOARD
BTWN	BETWEEN
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLKHD	BULKHEAD
BLW	BELOW
BM	BEAM/BENCHMARK
BOT	BOTTOM
BP	BASE PLATE
BR	BED ROOM
BRG	BEARING
BRNZ	BRONZE
BS	BOTH SIDES
BSMT	BASEMENT
BUR	BUILT-UP ROOF
BW	BOTH WAYS
C	COURSES
C/C	CENTER TO CENTER
CAB	CABINET
CB	CATCH BASIN
CCTV	CLOSED CIRCUIT TELEVISION
CEM	CEMENT
CER	CERAMIC
CG	CORNER GUARD
CHAM	CHAMFER
CHAN	CHANNEL
CHK PL	CHECKER PLATE
CI	CAST IRON
CIP	CAST IN PLACE
CJ	CONTROL/CONSTRUCTION JOINT
CL	CENTER LINE/CLEARANCE
CLG	CEILING
CLL	CONTRACT LIMIT LINE
CLR	CLEAR(ANCE)
CLOS	CLOSET
CM	CENTIMETER
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER/CENTER
CO	CLEANOUT
COL	COLUMN
COMB	COMBINATION/COMBUSTIBLE
COMP	COMPRESS(ION)(ED)/COMPOSITE
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS(ATION)
CONTR	CONTRACT(OR)
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CSK	COUNTERSUNK
CSWK	CASEWORK
CT	CERAMIC TILE
CTP	CERAMIC TILE PAVER
CTR	CENTER
CTV	CABLE TELEVISION
CU	CUBIC
CUB	CUBICLE
CUH	CABINET UNIT HEATER
CW	COLD WATER
CWT	CERAMIC WALL TILE
DBL	DOUBLE
DEG	DEGREE(S)
DEMO	DEMOLISHED, DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIAM	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIST	DISTANCE
DIV	DIVISION/DIVIDER
DMPFG	DAMPPROOFING
DMPR	DAMPER
DN	DOWN
DO	DOOR OPENING
DOM	DOMESTIC
DR	DOOR/DINING ROOM
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DW	DISHWASHER
DWTR	DUMBWAITER
DWG	DRAWING
DWR	DRAWER
E	EAST
EA	EACH
EB	EXPANSION BOLT
EF	EACH FACE
EFS	EXTERIOR FINISH SYSTEM
EG	END GUARD
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMER	EMERGENCY
ENAM	ENAMEL(ED)
ENCL	ENCLOSE(URE)
ENGR	ENGINEER
ENTR	ENTRANCE
EP	ELECTRICAL PANEL
EPCMU	EPOXY PAINTED CMU
EPCONC	EPOXY PAINTED CONCRETE
EPDM	ETHYLENE PROPYCENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
ESC	EXCAVATED(ION)
ESCAL	ESCALATOR
EST	ESTIMATE(D)
ETC	ET CETERA
EW	EACH WAY
EWC	ELECTRICAL WATER COOLER
EXAM	EXAMINING(ATION)
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION/EXPOSED
EXP JT	EXPANSION JOINT
EXST	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FAB	FABRIC/FABRICATOR(ATE)
FB	FACE BRICK
FBO	FURNISH BY OTHERS
FC	FOOTCANDLE
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FDPR	FIRE DAMPER
FDV	FIRE DEPARTMENT VALVE
FDVC	FIRE DEPARTMENT VALVE CABINET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
F/F	FACE TO FACE
FF	FACTORY FINISH(ED)
FFE	FINISH FLOOR ELEVATION
FFL	FINISH FLOOR LINE
FH	FIRE HOSE
FHC	FIRE HYDRANT/FUME HOOD
FHEC	FIRE HOSE & EXTINGUISHER CABINET
FHMS	FLAT HEAD MACHINE SCREW
FHR	FIRE HOSE RACK
FHV	FIRE HOSE VALVE
FHWS	FLAT HEAD WOOD SCREW
FIN	FINISH(ED)
FL	FLOOR/FLOOR LINE
FLDG	FOLDING
FLEX	FLEXIBLE
FLR	FLOOR(ING)
FLR REG	FLOOR REGISTER
FLR SK	FLOOR SINK
FLUOR	FLUORESCENT
FOB	FACE OF BUILDING
FOF	FACE OF FINISH
FOS	FACE OF STUD
FP	FIRE PROTECTION
FPL	FIRE PLACE
FPRF	FIREPROOFING
FR	FIRE RATING/FRAME
FRT	FIRE RETARDANT
FS	FULL SIZE/FLOOR SINK
FSH	FIRE SPRINKLER HEAD
FSP	FIRE STANDPIPE
FT	FOOT/FEET
FTC	FINNED TUBE CONVECTOR
FTG	FOOTING
FTR	FINNED TUBE RADIATION(OR)
FURN	FURNITURE
FURR	FURRING
FUT	FUTURE
FVC	FIRE VALVE CABINET
FXD	FIXED
G	GAS
GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GEN	GENERATOR
GENL	GENERAL
GF	GROUND FACE
GFI	GROUND FAULT INTERRUPTER
GL	GLASS, GLAZING
GLAM	GLUE LAMINATED
GLZ	GLAZING
GMU	GLASS MASONRY UNIT
GND	GROUND
GOVT	GOVERNMENT
GR	GRADE(ING)/GUARD RAIL
GRTG	GRATING
GSKT	GASKET
GT	GROUT
GV	GRAVITY VENT
GYP	GYPSUM
GWB	GYPSUM WALL BOARD
GWT	GLAZED WALL TILE
H	HIGH
HB	HOSE BIBB
HC	HOLLOW CORE/HANDICAP(ED)/ HOSE CABINET
HCW	HOT & COLD WATER
HD	HEAD/HE/VY DUTY
HDBD	HARDBOARD
HDR	HEADER
HDWD	HARDWOOD
HDWR	HARDWARE
HEX	HEXAGONAL
HGR	HANGER
HT	HEIGHT
HM	HOLLOW METAL
HO	HOLD-OPEN
HORIZ	HORIZONTAL
HP	HORSEPOWER/HIGH POINT
HR	HOUR/HANDRAIL
HS	HIGH STRENGTH
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HVY	HEAVY
HW	HOT WATER
HWY	HIGHWAY
ID	INSIDE DIAMETER
IG	INSULATED GLASS
IN	INCH
IND	INDUSTRIAL
INCAND	INCANDESCENT
INCL	INCLUDE(S)
INCIN	INCINERATOR
INFO	INFORMATION
INSTL	INSTALLATION
INSTR	INSTRUMENT
INSUL	INSULATION
INTER	INTERSECTION/INTERMEDIATE
INTERCOM	INTERCOMMUNICATION
INT	INTERIOR
INV	INVERT
IPS	INSIDE PIPE SIZE
ISO	ISOMETRIC/POLYISOCYANURATE
JAN	JANITOR
JB	JUNCTION BOX
JC	JANITOR'S CLOSET
JCT	JUNCTION
JST	JOIST
JT	JOINT
K	KIP (1000LBS)/KILOMETER
KB	KNEE BRACE
KD	KILN DRIED/KNOCK DOWN
KIT	KITCHEN
KO	KNOCK OUT
KOP	KNOCK OUT PANEL
KPL	KICK PLATE
L	LEFT
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATION
LAV	LAVATORY
LB	POUND
LBL	LABEL
LBR	LUMBER
LCD	LINEAR CEILING DIFFUSER
LD	LINEAR DIFFUSER/LOAD
LDG	LANDING
LDR	LEADER
LF	LINEAR FOOT/LINEAL FOOT
LG	LENGTH/LONG
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LHRB	LEFT HAND REVERSE BEVEL
LIB	LIBRARY
LIN	LINEAR
LIQ	LIQUID
LKR	LOCKER
LL	LIVE LOAD
LNTL	LINTEL
LP	LIGHT POLE/LIGHTPROOF/ LOW POINT
LR	LIVING ROOM
LRG	LARGE
LT	LIGHT(ING)
LW	LIGHTWEIGHT
LTG	LIGHTING
LV	LOW VOLTAGE
LVL	LEVEL(ER)
LVR	LOUVER
M	METER
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MATV	MASTER ANTENNA TELEVISION
MAX	MAXIMUM
MBR	MASTER BEDROOM/MEMBER
MC	MEDICINE CABINET
MCC	MOTOR CONTROL CENTER
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MED	MEDIUM/MEDICINE
MEJ	MASONRY EXPANSION JOINT
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFB	MINERAL FIBER BOARD
MFG	MANUFACTURING
MFR	MANUFACTURER
MGR	MANAGER
MH	MANHOLE
MI	MALLEABLE IRON/MILE
MIC	MICROPHONE
MIN	MINIMUM/MINUTE
MISC	MISCELLANEOUS
ML	METAL LATH
MLDG	MOLDING
MLWK	MILLWORK
MM	MILLIMETER
MO	MASONRY OPENING
MOD	MODULE(AR)/MODIFIED
MOV	MOVABLE
MP	METAL PANEL
MRB	MINERAL FIBER BOARD
MRGWB	MOISTURE RESISTANT GYPSUM WALL BOARD
MT	MARBLE TILE
MTD	MOUNTED
MTG	MEETING
MTL	METAL
MTR	MORTAR
MULL	MULLION
MULT	MULTIPLE
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NS	NONSLIP
NTS	NOT TO SCALE
O/O	OUT TO OUT
OA	OUTSIDE AIR/OVERALL
OBSC	OBSCURE
OC	ON CENTER
OCC	OCCUPANCY
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OF	OUTSIDE FACE
OFF	OFFICE
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORIG	ORIGINAL
OVHD	OVERHEAD
OXY	OXYGEN
OZ	OUNCE
P	POLE
PA	PUBLIC ADDRESS
PAR	PARAGRAPH
PB	PANIC BAR/PULL BOX/ PUSHBUTTON
PBD	PARTICLEBOARD
PC	PORTLAND CEMENT/PULL CHAIN/ PRECAST
PCF	POUNDS PER CUBIC FOOT
PED	PEDESTAL
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PFB	PREFABRICATE(D)
PG	PLATE GLASS
PGBD	PEG BOARD
PGWB	PAINTED GYPSUM WALL BOARD
PH( )	PHASE
PKG	PACKAGE
PL	PLATE/PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLAT	PLATFORM
PLBG	PLUMBING
PLF	POUND PER LINEAR FOOT
PLYWD	PLYWOOD
PNEU	PNEUMATIC
PNL	PANEL
PNT	PAINT(ED)
POL	POLISH(ED)
PORT	PORTABLE
PP	PUSH PLATE
PR	PAIR/PRINTER
PRCST	PRECAST
PRESS	PRESSURE
PRF	PREFORMED
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRELIM	PRELIMINARY
PREP	PREPARATION
PRKG	PARKING
PROD	PRODUCT
PROJ	PROJECT/PROJECTION
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSTL	PAINTED STEEL
PT	POINT
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PVR	PAVER
PVG	PAVING
PVMT	PAVEMENT
PWR	POWER
R	RADIUS/RISER
RAD	RADIATOR/RADIUS
RAG	RETURN AIR GRILLE
RCWY	RACEWAY
RD	ROOF DRAIN/ROAD
RECEP	RECEPTACLE/RECEPTION
RECIRC	RECIRCULATION
RECT	RECTANGLE
RECV'D	RECEIVED
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGULATOR/REGLET/REGISTER
REINF	REINFORCE(D)(ING)(MENT)
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
REV	REVISION(S)/REVISED
RFG	ROOFING
RFL	REFLECT(ED)(IVE)(OR)
RH	RIGHT HAND
RHB	RECESSED HOSE BIBB
RHMS	ROUND HEAD MACHINE SCREW
RHR	RIGHT HAND REVERSE
RHRB	RIGHT HAND REVERSE BEVEL
RHWS	ROUND HEAD WOOD SCREW
RJG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPM	REVOLUTIONS PER MINUTE
RR	RAILROAD
RTN	RETURN
RVS	REVERSE
S	SOUTH
S&V	STAIN & VARNISH
SAB	SOUND ATTENUATING BATT
SALV	SALVAGE
SAN	SANITARY
SB	SPLASH BLOCK
SC	SOLID CORE
SCHED	SCHEDULE
SCN	SCREEN
SCW	SOLID CORE WOOD
SD	SOAP DISPENSER
SDL	SADDLE
SEC	SECOND
SECT	SECTION
SF	SQUARE FEET
SFP	SPRAYED ON FIREPROOFING
SGFT	STRUCTURAL GLAZED FACING TILE
SGL	SINGLE
SHR	SHOWER
SHT	SHEET(ING)
SHTHG	SHEATHING
SIM	SIMILAR
SL	SLAB
SLV	SLEEVE
SM	SHEET METAL
SP	SOUNDPROOF/STANDPIPE/ SHEAR PLATE
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SPKR	SPEAKER
SPL	SPECIAL
SQ	SQUARE
SS/SST	STAINLESS STEEL
ST	STREET
STA	STATION
STAG	STAGGERED
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STG	SEATING
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUBFL	SUBFLOOR(ING)
SUP	SUPPLY
SUPP	SUPPORT
SUPPL	SUPPLEMENT
SURF	SURFACE
SUSP	SUSPENDED
SW	SIDEWALK/SWITCH
SWBD	SWITCHBOARD
SWR	SEWER
SYM	SYMBOL
SYMM	SYMMETRY(ICAL)
SYNTH	SYNTHETIC
SYS	SYSTEM
T	TREAD
T/	TOP OF
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TB	TOWEL BAR
TB-XX	TEST BORING-XX
TC	TOP OF CURB
TD	TOWEL DISPENSER/TRENCH DRAIN
TDR	TOWEL DISPENSER & RECEPTACLE
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERATURE/TEMPORARY
TERR	TERRAZZO
TERM	TERMINAL
TG	TEMPERED GLASS
THERM	THERMAL
THK	THICKNESS
THRES	THRESHOLD
THRU	THROUGH
TJ	TELEPHONE JACK
TMPD	TEMPERED
TOC	TOP OF CONCRETE/TOP OF CURB
TOF	TOP OF FOOTING
TOIL	TOILET
TOL	TOLERANCE
TOS	TOP OF SLAB/TOP OF STEEL
TOT	TOTAL
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TPD	TOILET PAPER DISPENSER
TPH	TOILET PAPER HOLDER
TRANS	TRANSPARENT
TRK	TRACK
TV	TELEVISION
TYP	TYPICAL
U	UP
UB	UNDERSIDE OF BEAM
UC	UNDERCUT
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC.
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UNIF	UNIFORM
UNIV	UNIVERSAL
UON	UNLESS OTHERWISE NOTED
UR	URINAL
US	UNDERSIDE OF SLAB
UTIL	UTILITY
UV	ULTRAVIOLET
V	VOLT
VAR	VARIABLE
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VEH	VEHICLE
VEL	VELOCITY
VENT	VENTILATOR
VERT	VERTICAL
VEST	VESTIBULE
VG	VERTICAL GRAIN
VJ	V-JOINT (E.I.F.S.)
VNR	VENEER
VOL	VOLUME
VP	VAPOR PROOF
VWB	VINYL WALL BASE
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
W/O	WITHOUT
W/W	WALL TO WALL
WB	WALL BUMPER
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE BEAM
WG	WALL GRILLE
WGL	WIRE GLASS
WH	WALL HUNG/WATER HYDRANT
WI	WROUGHT IRON
WL	WATERLINE
WM	WIRE MESH
WO	WINDOW OPENING
WP	WORK POINT
WR	WASTE RECEPTACLE/WATER RESISTANT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
X	TIMES
YD	YARD DRAIN

LIST OF DRAWINGS

ARCHITECTURAL

	COVER
A-0.1	INDEX OF DRAWINGS
A-0.2	GENERAL NYC HEALTH DEPT. AND DOB NOTES
A-0.3	CODE CONFORMANCE NOTES / REQUIREMENTS
A-0.4	ACCESSIBILITY NOTES & DIAGRAMS
A-0.5	ZONING ANALYSIS
A-0.6	SURVEY - FOR INFORMATION ONLY
A-0.7	SITE PLAN
D-1.0	BASEMENT DEMO PLAN
D-1.1	FIRST FLOOR DEMO PLAN
D-1.2	SECOND FLOOR DEMO PLAN
D-1.3	ROOF DEMO PLAN
D-2.1	EAST AND WEST DEMO ELEVATIONS
A-1.0	CELLAR PLAN
A-1.1	FIRST FLOOR PLAN
A-1.2	SECOND FLOOR PLAN
A-1.3	ROOF PLAN
A-2.1	BUILDING ELEVATIONS
A-3.1	BUILDING SECTIONS
A-3.2	EXTERIOR WALL SECTIONS
A-3.3	EXTERIOR WALL SECTIONS
A-3.4	EXTERIOR WALL DETAILS
A-3.5	MISC. ROOF DETAILS
A-4.1	STAIR A & B PLANS AND SECTIONS
A-4.2	SITAR C & D PLANS AND SECTIONS
A-4.3	STAIR DETAILS
A-4.4	ELEVATOR DETAILS
A-4.5	INTERIOR ELEVATIONS
A-4.6	INTERIOR ELEVATIONS
A-4.7	FEATURE WALL ELEVATIONS
A-4.8	LOBBY WALL ELEVATIONS
A-4.9	LOBBY WALL ELEVATION
A-4.10	MILLWORK ELEVATIONS, PLANS AND SECTIONS
A-5.1	PARTITION TYPES AND DETAILS.
A-5.2	DOOR ELEVATIONS AND SCHEDULE AND DETAILS
A-5.3	WINDOW ELEVATION AND DETAILS
A-5.4	STORE FRONT ELEVATIONS AND DETAILS
A-5.5	FINISH SCHEDULE
A-5.6	BASEMENT AND FIRST FLOOR FINISH PLANS
A-5.7	SECOND FLOOR FINISH PLAN
A-6.0	BASEMENT RCP
A-6.1	FIRST FLOOR RCP
A-6.2	SECOND FLOOR RCP
A-6.3	ROOF RCP

STRUCTURAL

S-1.0	BASEMENT STRUCTURAL PLAN
S-1.1	FIRST FLOOR STRUCTURAL PLAN
S-1.2	SECOND FLOOR STRUCTURAL PLAN
S-1.3	ROOF STRUCTURAL PLAN
S-1.4	BULKHEAD STRUCTURAL PLAN
S-2.0	TYPICAL STRUCTURAL DETAILS & NOTES
S-2.1	TYPICAL STRUCTURAL DETAILS
S-2.2	STRUCTURAL DETAILS
S-2.3	STRUCTURAL DETAILS

MECHANICAL

M-1.0	MECHANICAL BASEMENT PLAN
M-1.1	MECHANICAL FIRST FLOOR PLAN
M-1.2	MECHANICAL SECOND FLOOR PLAN
M-1.3	MECHANICAL ROOF PLAN
M-2.1	MECHANICAL SCHEDULES
M-2.2	MECHANICAL DETAILS

PLUMBING

P-0.1	PLUMBING SITE PLAN, NOTES & SYMBOL LIST
P-1.0	PLUMBING BASEMENT PLAN
P-1.1	PLUMBING FIRST FLOOR PLAN
P-1.2	PLUMBING SECOND FLOOR PLAN
P-1.3	PLUMBING ROOF PLAN
P-2.1	PLUMBING RISER DIAGRAMS
P-2.2	DOMESTIC WATER RISER DIAGRAM
P-3.1	PLUMBING DETAILS

SPRINKLER

SP-0.1	SPRINKLER NOTES, DETAILS & RISER DIAGRAM
SP-1.0	SPRINKLER BASEMENT PLAN
SP-1.1	SPRINKLER FIRST FLOOR PLAN
SP-1.2	SPRINKLER SECOND FLOOR PLAN

FIRE ALARM

FA-1	FIRE ALARM GENERAL NOTES & SYMBOL LIST
FA-2	FIRE ALARM BASEMENT PLAN
FA-3	FIRE ALARM FIRST FLOOR PLAN
FA-4	FIRE ALARM SECOND FLOOR PLAN
FA-5	FIRE ALARM ROOF PLAN

ELECTRICAL

E-0.1	ELECTRICAL GENERAL NOTES & SYMBOL LIST
E-1.0	ELECTRICAL (LIGHTING) BASEMENT PLAN
E-1.1	ELECTRICAL (LIGHTING) FIRST FLOOR PLAN
E-1.2	ELECTRICAL (LIGHTING) SECOND FLOOR PLAN
E-1.3	ELECTRICAL (LIGHTING) ROOF PLAN
E-1.4	ELECTRICAL (POWER) BASEMENT PLAN
E-1.5	ELECTRICAL (POWER) FIRST FLOOR PLAN
E-1.6	ELECTRICAL (POWER) SECOND FLOOR PLAN
E-1.7	ELECTRICAL (POWER) ROOF PLAN
E-2.0	ELECTRICAL POWER RISER DIAGRAM
E-2.1	ELECTRICAL MISCELLANEOUS RISERS
E-2.2	ELECTRICAL DETAIL SHEET
E-3.0	ELECTRICAL PANEL SCHEDULES

LEGENDS + SYMBOLS

MATERIAL LEGEND

- EARTH/COMPACT FILL
- GRAVEL/POROUS FILL
- CONCRETE
- STONE
- MARBLE
- CONCRETE MASONRY UNIT (CMU)
- BRICK
- METAL
- PLYWOOD
- WOOD BLOCKING
- FINISH WOOD
- GLASS
- BATT INSULATION
- RIGID INSULATION

SYMBOLS

- BUILDING SECTION TAG (A / A-12) — SECTION DETAIL LETTER; DRAWING SHEET NUMBER
- BUILDING ELEVATION TAG (1 / A-14) — SECTION DETAIL NUMBER; DRAWING SHEET NUMBER
- WALL SECTION TAG (1 / A-0) — WALL SECTION DETAIL NUMBER; DRAWING SHEET NUMBER
- ENLARGED DETAIL TAG (1 / A-2) — DETAIL NUMBER; DRAWING SHEET NUMBER
- 2 HOUR RATED METAL STUD PARTITION SEE PARTITION SCHEDULE.
- 1 HOUR RATED METAL STUD PARTITION SEE PARTITION SCHEDULE.

SYMBOLS

- W3 — WINDOW SCHEDULE TAG; SEE WINDOW SCEDULE FOR DETAILED INFORMATION
- A — KITCHEN TYPES, SEE KITCHEN DETAIL SHEET FOR ADDITIONAL INFORMATION
- 1 — DOOR TYPE, SEE DOOR SCHEDULE SHEET.
- 1 — PARTITION TYPE TAG
- C/SD — COMBINATION SMOKE & CARBON MONOXIDE DETECTOR
- EXIT SIGN W/ DIRECTIONAL ARROW, SEE RCP DWGS.
- HANDICAPPED SYMBOL
- FD. — FLOOR DRAIN
- RD. — ROOF DRAIN
- 1 — REVISION TAG
- WP — WORKING POINT
- BUILDING DEPARTMENT TAG
  - 100 SF. — ROOM SQUARE FOOTAGE
  - 1 PERSON — NUMBER OF PERSONS
  - OCC GROUP B-2 — ROOM OCCUPANCY GROUP
  - USE GROUP 2 — ROOM USE GROUP

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/93

APR 27 2009

AUGUSTO E. JAMES

210121429

Project Title:

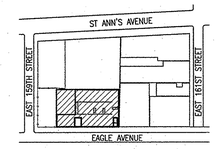
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan: N

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:

Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:

Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:

Upright Expeditors
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

Drawing Title:

INDEX OF DRAWINGS

Project Number: 07022

Date: Drawing #

Scale:

Drawn by: CS/ES **A-0.1**

Checked by:

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NYC BUILDING CODE- DOB NOTES

UNLESS OTHERWISE NOTED, ALL REFERENCED SECTIONS ARE FROM TITLE 27, CHAPTER 1 OF THE NYC BUILDING CODE. DOH = DEPARTMENT OF HEALTH BUREAU OF DAYCARE.

1. THESE NOTES ARE PART OF THE PLANS AND SPECIFICATIONS AND ARE TO BE COMPLIED WITH IN ALL RESPECTS. MORE RESTRICTIVE NOTES APPEARING ELSEWHERE IN THE CONTRACT DOCUMENTS OR REFERRED TO SECTIONS ARE TO TAKE PRECEDENCE OVER THE FOLLOWING:

2. THE BUILDING OWNER SHALL BE RESPONSIBLE FOR THE SAFE MAINTENANCE OF THE BUILDING AND ITS FACILITIES PER SECTIONS 27-127 AND 27-128.

3. ALL MATERIALS, ASSEMBLIES, FORMS AND METHODS OF CONSTRUCTION CONFORM TO THE REQUIREMENTS OF SUBCHAPTER 1, ARTICLE 7, AND ALL EQUIPMENT MUST BE MEA/BSA/REF STD. APPROVED.

4. MECHANICAL VENTILATION WORK SHALL CONFORM TO SUBCHAPTER 12, ARTICLE AND TO SUBCHAPTER 13.

5. PLUMBING AND GAS PIPING WORK SHALL CONFORM TO SUBCHAPTER 16. PLUMBING MATERIALS AND FIXTURES SHALL CONFORM TO TABLE RS 16-1 AND GAS PIPING SHALL CONFORM TO SECTION P1115.0 OF REF. STD. 16.

6. ELECTRIC WORK SHALL CONFORM TO THE NYC ELECTRICAL CODE AND BE DONE A LICENSED ELECTRICIAN.

7. DUCTS, PIPES, AND CONDUITS PASSING THROUGH RATED CONSTRUCTION SHALL COMPLY WITH SECTION 27-343.

8. INTERIOR FINISHES SHALL COMPLY WITH SECTION 27-348 REGARDING THEIR FLAME SPREAD RATING AND SMOKE DEVELOPED RATING.

9. ALL GRADE ELEVATIONS SHALL BE REFERRED TO US COAST AND GEODETIC SURVEY MEAN SEA LEVEL DATUM OF NINETEEN HUNDRED TWENTY-NINE (1929) PER SECTION 27-158.

10. AS PER SECTION 27-194, CONTRACTOR SHALL POST AT THE JOBSITE A PERMIT CARD BEARING THE DOB PERMIT NUMBER AND THE DOB APPLICATION NUMBER PRIOR TO THE COMMENCEMENT OF ANY WOROK FOR WHICH A PERMIT HAS BEEN ISSUED.

11. AS PER SECTION 27-195, AT LEAST 24 HOURS WRITTEN NOTICE SHALL BE GIVEN TO THE COMMISSIONER OF DOB BEFORE THE COMMENCEMENT OF ANY WORK FOR WHICH A PERMIT HAS BEEN ISSUED. THE PERSON RESPONSIBLE FOR ANY CONTROLLED INSPECTIONS SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF THE WORK FOR WHICH SUCH INSPECTIONS ARE REQUIRED.

12. AT LEAST FIVE DAYS PRIOR WRITTEN NOTICE SHALL BE GIVEN TO OWNERS OF ADJOINING LOTS, BUILDINGS, AND SERVICE FACILITIES WHICH MAY BE AFFECTED BY PROPOSED DEMOLITION OR REMOVAL WORK BEFORE ISSUANCE OF A PERMIT FOR THAT WORK PER SECTION 27-169, AND SAID WORK SHALL BE PERFORMED PER SECTION 27-170.

13. AT LEAST FIVE DAYS PRIOR WRITTEN NOTICE SHALL BE GIVEN TO OWNERS OF ADJOINING LOTS, BUILDINGS, AND SERVICE FACILITIES WHICH MAY BE AFFECTED BY PROPOSED FOUNDATION WORK OR EARTHWORK OPERATIONS BEFORE ISSUANCE OF A PERMIT FOR THAT WORK PER SECTION 27-165 AND SAID WORK SHALL BE PERFORMED PER SECTION 27-166.

14. AN ACCURATE AND COMPLETE LOT SURVEY MADE BY A LICENSED SURVEYOR SHALL BE SUBMITTED WITH THE APPLICATION FOR THE CERTIFICATE OF OCCUPANCY AND SHALL INDICATE THE REQUIRED INFORMATION PER SECTION 27-219.

15. SOIL INVESTIGATIONS SHALL COMPLY WITH SUBCHAPTER 11, ARTICLE 2. AND WITH SECTIONS 27-633 AND 27-665. TEST PITS MAY BE SUBSTITUTED FOR BORINGS PER SECTION 27-664.

16. ALL FOUNDATION WORK SHALL BEAR ON SOIL HAVING ADEQUATE BEARING CAPACITY TO SUPPORT THE TOTAL IMPOSED LOAD AND BE PROPORTIONED TO LIMIT SETTLEMENTS TO MAGNITUDE THAT WILL NOT CAUSE DAMAGE TO THE PROPOSED CONSTRUCTION OR TO EXISTING ADJACENT OR NEARBY BUILDINGS PER SECTION 27-657.

17. THE DEPTH OF FOUNDATIONS SHALL COMPLY WITH SECTION 27-658. BOTTOM SURFACE OF ANY FOOTING, PIER, PILE CAP OR OTHER FOUNDATION CONSTRUCTION OTHER THAN GRADE BEAMS SHALL BE AT LEAST FOUR (4) FEET MIN. BELOW THE LOWEST LEVEL OF THE ADJOINING GROUND OR PAVEMENT THAT IS EXPOSED TO FROST EXCEPT AS LISTED IN SECTION 27-658. GRADE BEAMS SHALL BE A MIN. OF EIGHTEEN (18) INCHES BELOW THE SAME PREVIOUSLY MENTIONED LEVEL.

18. CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF SUBCHAPTER 10 ARTICLE 4.

19. MASONRY WORK SHALL CONFORM TO THE REQUIREMENTS OF SUBCHAPTER 10 ARTICLE 4.

20. PRE-CAST AND PRE-STRESSED CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF SECTION 27-613.1.

21. STEEL MATERIALS DESIGN AND CONSTRUCTION SHALL CONFORM TO REQUIREMENTS OF SUBCHAPTER 10, ARTICLE 6.

22. STRUCTURAL MEMBERS REQUIRING FIRE PROTECTION PER TABLE 3-4 SHALL BE FIRE PROTECTED PER SECTION 27-324, LINTELS FIRE PROTECTED PER SECTION 27-326.

23. CHIMNEYS AND GAS VENTS SHALL CONFORM TO SUBCHAPTER 15. GAS VENTS SHALL BE BSA APPROVED AND COMPLY WITH ARTICLE 5 OF THE ABOVE AND BE ENCLOSED WITH CONSTRUCTION HAVING A FIRE RESISTANCE RATING PER TABLE 15-3 AND COMPLYING WITH SECTION 27-861 (C).

24. BOILER CONSTRUCTION, INSTALLATION, MAINTENANCE AND OPERATION SHALL COMPLY WITH SECTION 27-824.

25. GAS FIRED EQUIPMENT CONSTRUCTION, AND INSTALLATION SHALL COMPLY WITH SECTION 27-826. COMBUSTION AIR SHALL BE PROVIDED PER SECTION 27-8079 (B). FLUE DAMPERS SHALL CONFORM TO SECTION 27-808.

26. BATHROOMS AND TOILET ROOMS WITHOUT WINDOWS SHALL BE VENTILATED MECHANICALLY PER SECTION 27-759 AND COMPLY WITH DOH ARTICLE 47.

27. INTERIOR STAIRS SHALL COMPLY WITH SECTION 27-375 AND TABLE 6-4. THE SUM OF TWO RISERS PLUS ONE TREAD (EXCLUSIVE OF NOSING) SHALL BE NOT LESS THAN 24" NOR MORE THAN 25 1/2". LANDINGS AND PLATFORMS SHALL BE PROVIDED AT THE HEAD AND FOOT OF EACH FLIGHT OF STAIRS. HAND RAILS SHALL BE PROVIDED AS PER SECTION 27-375 AND LOCAL LAW 58/87.

NYC BUILDING CODE- DOB NOTES (cont'd)

28. FIRE-STOPPING MATERIALS SHALL BE NON-COMBUSTIBLE MATERIALS IN CONCEALED SPACES OF FIRE DIVISION, AND WHEN IN CONTACT WITH FIREPLACES, FLUES AND CHIMNEYS. FIRE STOPPING SHALL BE PLACED AROUND DUCTS AND PIPES AT EVERY FLOOR LEVEL WHERE THEY ARE NOT ENCLOSED IN RATED CONSTRUCTION REQUIRED FOR SHAFT ENCLOSURES. ALL FIRE STOPPING SHALL COMPLY WITH SECTION 27-345.

29. ROOF COVERINGS SHALL COMPLY WITH SECTION 27-337. REFER TO RS 5-9 FOR FIRE RESISTANCE CLASSIFICATION OF ROOFING MATERIALS.

30. LOT GRADING WHEN PITCH OF GRADE DOES NOT EXCEED 5%, ALL UNPAVED AREAS TO BE SEEDED UNLESS OTHERWISE NOTED. WHEN PITCH OF GRADE EXCEEDS 5%, ALL UNPAVED AREAS TO BE SODDED UNLESS OTHERWISE NOTED. THE GRADING WILL BE DESIGNED SO AS NOT TO RESULT IN PONDING OR UNSTABLE GRADES IN THE SURROUNDING AREA.

31. THE STREET ON WHICH THE BUILDING(S) FRONTS, IS OR WILL BE IMPROVED TO THE EXTENT THAT THE WATER MAIN, SEWER(S), GAS SERVICE, ELECTRIC SERVICE, ROADWAY PAVEMENT, SIDEWALK AND CURB WILL BE INSTALLED. SIDEWALK AND ROADWAY CONSTRUCTION REQUIRE A SEPARATE APPROVAL/PERMIT FROM THE DEPT. OF HIGHWAYS PRIOR TO THE START OF THAT WORK.

32. HEATING SYSTEM SHALL BE ADEQUATE TO CONFORM TO NY DOH BUREAU OF DAYCARE ARTICLE 47 AND SHALL MEET THE REQUIREMENTS OF THE N.Y.S. ENERGY CONSERVATION CODE. THE MORE STRINGENT SHALL APPLY.

33. ARTIFICIAL LIGHT SHALL BE PROVIDED IN COMPLIANCE WITH SUBCHAPTER 12, ARTICLE 4 AND PER DOH ARTICLE 47.

34. SAFETY OF THE PUBLIC AND PROPERTY DURING CONSTRUCTION OPERATIONS SHALL BE PROVIDED AND COMPLY WITH THE PROVISIONS OF SUBCHAPTER 19.

35. WHERE PIPES, WIRES, CONDUITS, DUCTS, ETC., PIERCE FIRE PROTECTION OF INDIVIDUALLY ENCASED STRUCTURAL MEMBERS, SUCH PENETRATION SHALL NOT EXCEED 2% OF ANY ONE FACE OF SUCH PARTITION, AND SHALL BE CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS OR PLATES, PER SECTION 27-324 (A).

36. LINTELS SUPPORTING MASONRY WALLS OVER 4 FEET IN WIDTH, SHALL BE FIRE PROTECTED WITH MATERIALS HAVING THE REQUIRED FIRE RESISTANCE RATING OF THE WALL SUPPLIED PER SECTION 27-326.

37. OPENING PROTECTIVES INCLUDING FRAMES, SELF-CLOSING DEVICES AND HARDWARE SHALL COMPLY WITH ASTM E-152-1966 "STANDARD METHODS OF FIRE TEST OF DOOR ASSEMBLIES" ANSI ASTM, E-163-1965 IN ACCORDANCE WITH NFPA NO. 80-1967 "INSTALLATION OF FIRE DOORS AND WINDOWS". OPENING PROTECTIVES SHALL BE LABELED, CERTIFYING PERFORMANCE RATING, AND SHALL HAVE BEEN ACCEPTED BY THE COMMISSIONER OR THE BOARD OF STANDARDS AND APPEALS. PER SECTION 27-342.

38. DUCTS, PIPES AND CONDUITS PASSING THROUGH RATED CONSTRUCTED SHALL HAVE SPACES NOT EXCEEDING 1/2" PACKED WITH "THERMOFIBER" OR MINERAL WOOL AND CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS. AGGREGATED NET AREA OF SUCH OPENING SHALL NOT EXEED 25 SQ. IN. IN ANY 100 SQ. FT. OF WALL OR FLOOR AREA UNLESS PROTECTED BY RATED SELF-ENCLOSING DEVICES PER SECTION 27-345.

39. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES, PER SECTION 27-369.

40. TREADS, STRINGERS, AND LANDINGS SHALL BE BUILT OF OR SURFACED WITH NONSKID MATERIALS.

41. FINISH FLOORING IN ALL EXITS SHALL BE OF NON-COMBUSTIBLE MATERIALS, PER SECTION 27-351.

42. ILLUMINATION OF AT LEAST 5 FOOT CANDLES MEASURED AT THE FLOOR LEVEL SHALL BE MAINTAINED CONTINUOUSLY IN EXITS AND THEIR ACCESS FACILITIES, PER SECTION 27-381.

43. EXIT LIGHTING SHALL BE ON CIRCUITS THAT ARE SEPARATE FROM ANY OTHER CIRCUITS, TAKEN OFF AHEAD OF THE MAIN SWITCH.

44. WHERE REQUIRED, LOCATION OF EVERY EXIT ON EVERY FLOOR SHALL BE CLEARLY INDICATED BY EXIT SIGNS, PLACED, IF REQUIRED, AT AN ANGLE WITH THE EXIT OPENING. INSTALL DIRECTIONAL SIGNS, TO SERVE AS GUIDE FROM ALL PORTIONS OF THE CORRIDOR OR FLOOR, SIGNS SHALL BE ON SEPARATE CIRCUITS, TAKEN OFF AHEAD OF THE MAIN SWITCH PER SECTION 27-283.

45. EXIT SIGNS SHALL BE INTERNALLY LIGHTED, HAVING AN INITIAL BRIGHTNESS OF THE LETTERS OF AT LEAST 25 FEET LAMBERT. LETTERS SHALL BE RED, THE BACKGROUND SHALL BE WHITE, LETTERS SHALL BE BLOCK LETTERING, AT LEAST 4-1/2" HIGH, WITH 9/16" STROKES, PER SECTION 27-385.

46. ALL OPERABLE WINDOWS SHALL BE EQUIPPED WITH SASH LOCKS DESIGNED TO BE OPERABLE FROM THE INSIDE ONLY (27-37(J)(2)(C)).

47. CORRIDORS AND EXIT PASSAGEWAYS SHALL HAVE A MINIMUM CLEAR HEIGHT OF 7'-6" FOR AT LEAST 75% OF THE FLOOR AREA WITH NO POINT LESS 7'-0" IN HEIGHT. PROJECTION BELOW THE CEILING SHALL NOT OBSTRUCT FULL VIEW OF EXIT SIGNS (27-369(B)).

48. CONDUITS IN FIRE-RATED PARTITIONS WILL NOT EXCEED 3/4" DIAMETER. OUTLETS IN SUCH PARTITIONS SHALL BE BACKED UP WITH APPROVED MATERIALS.

49. NO CONDUITS, PIPES MEDICINE CABINETS, ETC. SHALL ENCROACH UPON FIRE RATED PARTITIONS ENCLOSING PUBLIC CORRIDORS, STAIRS , ELEVATOR SHAFTS OR VENT SHAFTS.

50. EXIT DOORS SHALL BE READILY OPERABLE AT ALL TIMES FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE. DOORS OPENING INTO INTERIOR ENCLOSED STAIR SHALL NOT BE LOCKED FROM EITHER SIDE EXPECT THAT DOORS MAY BE LOCKED TO PREVENT ACCESS TO THE STAIR FROM THE OUTDOORS AT THE STREET LEVEL.

51. ALL WIRE GLASS IN RATED DOORS AND WINDOWS WILL BE OF A TYPE APPROVED BY THE BOARD OF STANDARDS AND APPEALS.

52. ALL CLEANING OF WINDOWS WILL BE IN CONFORMITY WITH THE STATE LABOR LAW & WINDOW CLEANING CODE.

53. ELEVATOR DESIGN & INSTALLATION SHALL CONFORM W/SUBCHAPTER 18 & RS-18.

54. SUSPENDED CEILINGS SHALL COMPLY WITH SECTION 27-350, WITH METAL HANGERS, PURLINS AND RUNNERS AS REQUIRED.

55. ALL DOORS TO REQUIRED EXIT STAIRS SHALL BE 3'-0" WIDE EXCEPT IF OTHERWISE NOTED.

NYC BUILDING CODE- DOB NOTES (cont'd)

56. DOORS AND ASSEMBLIES SHALL HAVE THE FOLLOWING FIRE RESISTIVE RATINGS PER SECTION 27-371: DOORS TO STAIRS 1-1/2 HOUR, EXCEPT WHERE OTHERWISE NOTED, DOORS TO ELEVATORS SHAFT 1-1/2 HOUR.

57. CONCRETE BLOCK SHALL BE TYPE APPROVED BY THE BOARD OF STANDARDS AND APPEALS, SUBMIT B.S.A. OR M.E.A. CERTIFICATION TO ARCHITECT.

58. ELEVATOR SHAFTS SHALL BE ENCLOSED WITH 2 HOUR FIRE RATING IN ACCORDANCE WITH NEW YORK CITY BUILDING CODE, TABLE 3-4.

59. INTERIOR REQUIRED (FIRE) STAIRS SHALL BE ENCLOSED WITH 2 HOUR FIRE RATING IN ACCORDANCE WITH NEW YORK CITY BUILDING CODE, TABLE 3-4.

60. ALL VENT DUCT SHAFTS SHALL BE ENCLOSED WITH 2 HOUR ENCLOSURE, NO DUCT VENTS TO PASS THROUGH STAIR ENCLOSURES. 1-1/2 HOUR AUTOMATIC CLOSING FIRE DAMPERS TO BE INSTALLED IN VENT DUCTS WHEN THEY PIERCE PUBLIC CORRIDORS.

61. NO WORK TO BE DONE BEYOND BUILDING LINES WITHOUT APPROVAL OF THE NYC DEPT. OF TRANSPORTATION.

62. SIDEWALKS TO BE LAID IN ACCORDANCE WITH RULES OF THE NYC DEPARTMENT OF TRANSPORTATION.

63. ALL PAVED WALKS, SURFACES, AND AREAWAYS TO BE DRAINED ADEQUATELY WITHIN THE SITE.

64. VENTILATION OF EACH REQUIRED STAIR EXTENDING TO THE ROOF SHALL CONFORM WITH SECTION 27-374 (I)(4)(C).

65. MASONRY MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF RS-10-1, SECTION 3. THE DESIGN OF MASONRY WALLS IS PREDICATED UPON ANALYSIS OF STRESSES AS PER RS-10-1, SECTION 4. ALL MASONRY LOAD BEARING AND NON-LOAD BEARING WALLS TO BE BONDED IN ACCORDANCE WITH RS-10-1, SECTION 7.

66. WALLS TO BE ANCHORED AS PER RS-10-1, SECTION 9.

67. PIPE SPACE AND WALL FURRINGS SHALL CONSIST OF METAL CHANNELS AND 5/8" GYPSUM WALLBOARD EXCEPT AS OTHERWISE SHOWN.

68. EXTERIOR MECHANICAL EQUIPMENT IN A YARD OR COURT OR ON A ROOF OR WHERE THE EQUIPMENT OPENS TO THE EXTERIOR OF THE BUILDING SHALL CONFORM WITH SECTION 27-720 AND TABLE 12-4 BUILDING CODE.

69. EQUIPMENT USE PERMITS, INSPECTIONS, AND TESTS
PERMITS WILL BE OBTAINED FOR USE OF THE FOLLOWING EQUIPMENT:

A. AIR CONDITIONING AND VENTILATION SYSTEMS SECTION 27-779 AND 27-780
B. ELEVATORS.
C. FUEL BURNING AND FUEL STORAGE EQUIPMENT SECTION 27-793 AND 27-794.
D. PLUMBING PIPING
E. STANDPIPE SYSTEMS (27-951).-10024346
F. SPRINKLER SYSTEMS (27-967).-10024346

70. EQUIPMENT REQUIRING USE PERMITS SHALL BE INSPECTED AND TESTED TO DETERMINE PROPER FUNCTIONING AND COMPLIANCE WITH THE BUILDING CODE AND OTHER APPLICABLE LAWS AND REGULATIONS. ALL INSPECTIONS AND TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIRED INSPECTION AND TEST PROCEDURES. SIGNED COPIES OF REQUIRED INSPECTIONS AND TEST REPORTS SHALL BE FILED WITH THE DEPARTMENT OF BUILDINGS AND FORM PART OF THE PAPERS ACCOMPANYING THE PERMIT APPLICATION. IN THE CASE OF HEATING SYSTEM, A SIGNED STATEMENT BY THE ARCHITECT OR ENGINEER SHALL BE SUBMITTED WITH THE PERMIT APPLICATION, STATING THAT THE SYSTEM HAS BEEN OPERATING AND FUNCTIONS SATISFACTORILY, AND THAT TO THE BEST OF KNOWLEDGE AND BELIEF, THE SYSTEM MEETS THE CODE TEMPERATURE REQUIREMENT.

GENERAL NOTES

* ALL WORK SHALL COMPLY WITH THE NEW YORK CITY BUILDING CODE AND ALL APPLICABLE LAWS.

1. ALL DRAWINGS, SPECIFICATIONS, AND COPIES THEREOF FURNISHED BY THE ARCHITECT ARE AND SHALL REMAIN PROPERTY OF THE ARCHITECT. THEY ARE NOT TO BE USED ON THIS OR ANY OTHER PROJECT UNLESS WRITTEN PERMISSION IS GIVEN BY THE ARCHITECT.

2. THE CONTRACTOR IS TO VISIT JOB SITE PRIOR TO START OF WORK SO THAT HE MAY DETERMINE THE DIFFICULTIES HE MAY ENCOUNTER DURING CONSTRUCTION. HE IS TO VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND REPORT ALL DISCREPANCIES TO THE ARCHITECT IMMEDIATELY FOR RESOLUTION BEFORE START OF WORK AND DURING ITS PROGRESS.

3. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED PRIOR TO THE START OF WORK AND AGENCY APPROVALS/ SIGNOFF REQUIRED TO INDICATE THAT THE WORK WAS DONE IN AN ACCEPTABLE MANNER. HE SHALL ALSO SECURE AGENCY LETTERS OF SATISFACTORY COMPLETION AND CERTIFICATE OF OCCUPANCY.

4. ALL TRADE CONTRACTORS AND THEIR SUBS ARE SOLEY RESPONSIBLE FOR CONSTRUCTION SAFETY AND SHALL HOLD THE OWNER, ARCHITECT, AND OTHER ASSIGNED REPRESENTATIVES HARMLESS.

5. THE ARCHITECT HAS NOT BEEN RETAINED FOR ANY JOB SITE SUPERVISION, OBSERVATION, OR INSPECTIONS. CONTRACTOR IS RESPONSIBLE FOR SECURING ALL PERMITS AND INSPECTIONS REQUIRED BY THE NYC BUILDING DEPARTMENT. 72 HOURS NOTICE IS TO BE GIVEN TO THE PROFESSIONAL RESPONSIBLE FOR EACH CONTROLLED INSPECTION.

6. THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTOR. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL; PERFORMANCE BY THE CONTRACTOR SHALL BE REQUIRED ONLY TO THE EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS.

7. SUPPLEMENTARY DRAWINGS: BEFORE AND DURING CONSTRUCTION, M.A.P. WILL RESERVE THE RIGHT TO ISSUE REVISED DRAWINGS AND SUPPLEMENTARY DRAWINGS AND SKETCHES CONTAINING ADDITIONAL INFORMATION. THE PURPOSE OF THESE DRAWINGS IS TO PROVIDE ADDITIONAL CLARIFICATION AND NECESSARY DETAILS.

8. THE CONTRACTOR AND/OR SUBCONTRACTORS SHALL COORDINATE THE EXECUTION OF THEIR WORK WITH THAT OF OTHER TRADES SO AS NOT TO IMPEDE THEIR PROGRESS OR CREATE CONFLICTS. AS DIRECTED BY OWNER, THE CONTRACTOR SHALL ADJUST ALL CONDITIONS ARISING FROM HIS FAILURE TO PERFORM IN ACCORDANCE WITH THIS PART. ALL ADJUSTMENTS MADE FOR THE REASONS STATED HEREIN SHALL BE AT THE CONTRACTOR SOLE EXPENSE.

9. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. ALL WORK SHALL BE BUILT BY DIMENSIONS. LARGE SCALED DETAILS HAVE PRECEDENCE OVER SMALL SCALED DRAWINGS.

10. GC TO BRING ANY DISCREPANCIES TO THE ARCHITECTS ATTENTION PRIOR TO THE COMMENCEMENT OF WORK.

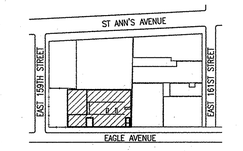
Project Title:

The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building
831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates
Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expeditors
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/87

APR 27 2009

AUGUSTO E. JIMENEZ

210121429

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

REGISTERED ARCHITECT
CHRISTINE M. TCHINTER
NO. 014563
STATE OF NEW YORK

Drawing Title:

GENERAL, NYC HEALTH DEPT. AND DOB NOTES

Project Number: 07022

Date: Drawing #

Scale:

Drawn by: CS/ES **A-0.2**

Checked by:

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Mechanical Compliance Certificate

2007 New York Energy Conservation Construction Code

Report Date: 06/11/08

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Section 1: Project Information

Project Title: New LIFE Secondary School

Construction Site:	Owner/Agent:	Designer/Contractor:
831 Eagle Avenue Bronx, NY 10456	Christine Connell Lutheran Social Services of New York (LSSNY) 475 Riverside Drive #1244 New York, NY 10115-0046 212-870-1100	Christine Hunter Magnusson Architecture & Planning P.C. 853 Broadway #800 New York, NY 10003 212-253-7820

Section 2: General Information

Building Location (for weather data):	Bronx, New York
Climate Zone:	11b
Heating Degree Days (base 65 degrees F):	4910
Cooling Degree Days (base 65 degrees F):	1033
Project Type:	New Construction

Section 3: Mechanical Systems List

Quantity	System Type & Description
1	RTAC-1: Heating: Central Furnace, Gas / Cooling: Rooftop Package Unit, Capacity >=135 - <240 kBtuh, Air-Cooled Condenser / Single Zone
1	RTAC-2: Heating: Central Furnace, Gas / Cooling: Rooftop Package Unit, Capacity >=240 - <760 kBtuh, Air-Cooled Condenser / Single Zone
1	RTAC-3: Heating: Central Furnace, Gas / Cooling: Rooftop Package Unit, Capacity >=240 - <760 kBtuh, Air-Cooled Condenser / Single Zone
1	RTAC-4: Heating: Central Furnace, Gas / Cooling: Rooftop Package Unit, Capacity >=240 - <760 kBtuh, Air-Cooled Condenser / Single Zone
1	RTAC-5: Heating: Central Furnace, Gas / Cooling: Rooftop Package Unit, Capacity >=240 - <760 kBtuh, Air-Cooled Condenser / Single Zone
1	RTAC-6: Heating: Central Furnace, Gas / Cooling: Rooftop Package Unit, Capacity >=90 - <135 kBtuh, Air-Cooled Condenser / Single Zone
1	ACCU-1: Cooling: Split System, Capacity >=90 - <135 kBtuh, Air-Cooled Condenser / Single Zone
1	MUA-1: Heating: Duct Furnace, Gas / Cooling: Rooftop Package Unit, Capacity >=135 - <240 kBtuh, Air-Cooled Condenser / Single Zone

Section 4: Requirements Checklist

Requirements Specific To: RTAC-1 :

- ☐ 1. Newly purchased heating equipment meets the heating efficiency requirements
- ☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 9.5 EER
- ☐ 3. Integrated air economizer required

Requirements Specific To: RTAC-2 :

- ☐ 1. Newly purchased heating equipment meets the heating efficiency requirements
- ☐ 2. Equipment minimum efficiency: Rooftop Package Unit: 9.3 EER, 9.5 IPLV

COMcheck Software Version 3.5.3

Envelope Compliance Certificate

2007 New York Energy Conservation Construction Code

Report Date: 06/12/08

Data filename: G:\07022 831 Eagle Ave\1.0 Project Management\1.10 Filing Forms\Architect\ComCheck\080612 ComCheck.cck

Section 1: Project Information

Project Type: New Construction
Project Title : New LIFE Secondary School

Construction Site:	Owner/Agent:	Designer/Contractor:
831 Eagle Avenue Bronx, NY 10455	Christine Connell Lutheran Social Services of New York (LSSNY) 475 Riverside Drive #1244 New York, NY 10115-0046 212-870-1100	Christine Hunter Magnusson Architecture & Planning P.C. 853 Broadway #800 New York, NY 10003 212-253-7820

Section 2: General Information

Building Location (for weather data):	Bronx, New York
Climate Zone:	11b
Heating Degree Days (base 65 degrees F):	4910
Cooling Degree Days (base 65 degrees F):	1033
Vertical Glazing / Wall Area Pct.:	13%

Building Type	Floor Area
School	40520

Section 3: Requirements Checklist

Envelope PASSES: Design 14% better than code.

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Main Roof: Structural Slab	12575	---	30.0	0.032	0.082
Combined Skylights: Metal Frame:Double Pane with Low-E, Clear, SHGC 0.34	495	---	---	0.400	0.082
Stair A Bulkhead: Non-Wood Joist/Rafter/Truss	468	30.0	0.0	0.041	0.082
Gym Roof: Non-Wood Joist/Rafter/Truss	3353	30.0	0.0	0.041	0.082
East Wall: Solid Concrete or Masonry > 8", Furring: Metal	4171	11.0	4.0	0.091	0.101
Windows East Wall: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.50	801	---	---	0.500	0.635
Store Fronts East Wall: Metal Frame:Double Pane with Low-E, Clear, SHGC 0.50	468	---	---	0.500	0.635
Store Front Entries East Wall: Glass, Clear, SHGC 0.60	176	---	---	0.500	0.635
Delivery Door: Solid	48	---	---	0.500	0.157
South Wall: Solid Concrete or Masonry > 8", Furring: Metal	4712	11.0	4.0	0.091	0.101
West Wall: Solid Concrete or Masonry > 8", Furring: Wood	7649	11.0	4.0	0.078	0.101
Windows West Wall: Metal Frame with Thermal Break:Double Pane with Low-E, Clear, SHGC 0.50	1006	---	---	0.500	0.635
North Wall: Solid Concrete or Masonry > 8", Furring: Metal	2064	11.0	4.0	0.091	0.101
Gym East Wall: Metal Frame, 16" o.c.	595	16.8	0.0	0.114	0.101

COMcheck Software Version 3.5.3

Interior Lighting and Power Compliance Certificate

2007 New York Energy Conservation Construction Code

Report Date: 06/11/08

Data filename: Z:\Projects\2008-S\Lutheran Social Services School_0802\Comcheck\080515-1.CCK.cck

Section 1: Project Information

Project Type: New Construction
Project Title : New LIFE Secondary School

Construction Site:	Owner/Agent:	Designer/Contractor:
831 Eagle Avenue Bronx, NY 10466	Christine Connell Lutheran Social Services of New York (LSSNY) 475 Riverside Drive #1244 New York, NY 10115-0046 212-870-1100	Christine Hunter Magnusson Architecture & Planning P.C. 853 Broadway #800 New York, NY 10003 212-253-7820

Section 2: General Information

Building Use Description by:

Building Type	Floor Area
School	40520

Section 3: Requirements Checklist

Interior Lighting:

- ☐ 1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
48924	26938	YES

- ☐ 2. Exit signs 5 Watts or less per side.

Exterior Lighting:

- ☐ 3. Efficacy greater than 45 lumens/W.

Exceptions:

Specialized lighting highlighting features of historic buildings; signage; safety or security lighting; low-voltage landscape lighting.

Controls, Switching, and Wiring:

- ☐ 4. Independent controls for each space (switch/occupancy sensor).

Exceptions:

Areas designated as security or emergency areas that must be continuously illuminated.

Lighting in stairways or corridors that are elements of the means of egress.

- ☐ 5. Master switch at entry to hotel/motel guest room.
- ☐ 6. Individual dwelling units separately metered.
- ☐ 7. Each space provided with a manual control to provide uniform light reduction by at least 50%.

Exceptions:

Only one luminaire in space;

An occupant-sensing device controls the area;

The area is a corridor, storeroom, restroom, public lobby or guest room;

Areas that use less than 0.6 Watts/sq.ft.

NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE NOTES (2002)

A. DESIGN CRITERIA
EXTERIOR DESIGN CONDITIONS (TABLE 302.1) BRONX COUNTY– ZONE 11B

(1) WINTER DESIGN DRY BULB TEMP= 13 DEGREES FAHRENHEIT

(2) SUMMER DESIGN DRY BULB TEMP= 89 DEGREES FAHRENHEIT

(3) COINCIDENT WET BULB TEMP= 73 DEGREES FAHRENHEIT

(4) HEATING DEGREE DAYS (HDD)= 4,910 (5,000 NOMINAL)

B. INTERIOR DESIGN CONDITIONS

(1) WINTER: MAXIMUM 72 DEGREES FOR HEATING.

(2) SUMMER: MAXIMUM 75 DEGREES FOR COOLING.

C. ACCEPTABLE COMMERCIAL BUILDING DESIGN BUILDING ENVELOPE REQUIREMENTS, U–FACTORS (TABLE 802.2(2))

(1) SKYLIGHTS (U–FACTOR) = .8

(2) SLAB OR BELOW GRADE WALL (R–VALUE)= R–0 INSULATION SHALL BE PLACED AT FOUNDATION WALL MIN 48" IN DEPTH AND HORIZONTALLY AT A MINIMUM OF 48" FROM FOUNDATION WALL. AT BASEMENT WALLS INSULATION TO EXTEND A DEPTH OF 10 FEET BELOW OUTSIDE FINISH GRADE OR TO LEVEL OF BASEMENT FLOOR.

(3) WINDOWS AND GLASS DOORS:
SOLAR HEAT GAIN COEFFICIENT=.5
U–FACTOR= 0.6 MAX

(4) ROOF ASSEMBLIES– CONCRETE SLAB OR DECK (R–VALUE):
CONTINUOUS INSULATION R–19 MIN.

(5) FLOORS OVER UNHEATED SPACES– CONCRETE SLAB OR DECK:
(R–VALUE) CONTINUOUS INSULATION R–15 MIN.

(6) ABOVE–GRADE WALLS (CMU 8" OR GREATER, W/ INSULATION):
(R–VALUE) W/ METAL FRAMING R–11 MIN.

D. AIR LEAKAGE (AS PER SECTIONS 802.3)

(1) WINDOWS AND SLIDING OR SWINGING DOORS ASSEMBLIES THAT ARE PART OF THE BUILDING ENVELOPE SHALL BE TESTED AND LISTED AS MEETING AAMA/WDMA 101/I.S.2

(2) CURTAIN WALL AND STORE FRONT GLAZING SHALL HAVE A MAXIMUM AIR INFILTRATION OF .3 CFM/SF OF FENESTRATION AREA WHEN TESTED IN ACCORDANCE WITH ASTM E– 283.

E. (3) COMMERCIAL ENTRANCE DOORS SHALL HAVE A MAXIMUM AIR INFILTRATION RATE OF 1.75 CFM/SF OF DOOR AREA WHEN TESTED IN ACCORDANCE WITH ASTM E 283.

GENERAL NOTES

(1) EXTERIOR JOINTS AROUND WINDOWS & DOOR FRAME, OPENINGS BETWEEN WALLS & ROOFS/CEILINGS, OPENINGS @ DOOR FRAMES, OPENINGS @ PENETRATIONS FOR UTILITY SERVICES THROUGH WALLS, FLOORS, ETC SHALL BE SEALED, GASKETED, WEATHER–STRIPPED OR OTHERWISE SEALED.

(2) HEATING LOADS CALCULATED AS PER SECTION 803.2.1 AND THE ASHRAE HANDBOOK OF FUNDAMENTALS.

(3) HEATING THERMOSTAT SHALL CONFORM TO SECTION 803.2

(4) MECHANICAL VENTILATION SHALL CONFORM TO SECTION 803.2

(5) ALL DUCTS TO CONFORM TO SECTION 803.2.8.1

(6) PIPING INSULATION TO CONFORM TO TABLE 803.2.9

(7) DUCT INSULATION TO CONFORM TO SECTION 803.2.8

(8) EQUIPMENT PERFORMANCE, SERVICE WATER, HEATERS, INSULATION, TEMPERATURE CONTROL, SHUTDOWN, PUMP OPERATION, HOT WATER CONSERVATION, & ELECTRIC POWER & LIGHTING TO CONFORM TO SECTIONS 803 TO 805.

(9) INSULATION & VAPOR BARRIER @ WARM SIDE OF MASONRY WALLS AS PER TABLE 802.2

(10) EXTERIOR LIGHTING & CONTROLS TO CONFORM TO SECTION 805.2.2.

WORK FILED UNDER SEPARATE APPLICATIONS

1. FIRE ALARM
2. ELEVATOR
3. PUBLIC ASSEMBLY FOR GYMNASIUM
4. PUBLIC ASSEMBLY FOR CAFETERIA

Project Title:

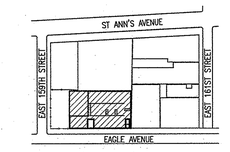
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Rivreside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan: N

Issued:

NUMBER	DATE	DESCRIPTION
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2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:

Nash Associates
Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:

Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:

Upright Expeditors

249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75

APR 27 2009

AUGUSTO E. COLLAZO

210121429

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

REGISTERED ARCHITECT CHRISTINE M. HUNTER NO. 014505 STATE OF NEW YORK

Drawing Title:

CODE CONFORMANCE NOTES / REQUIREMENTS

Project Number: 07022

Date: Drawing #

Scale:

Drawn by: CS/ES **A-0.3**

Checked by:

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ACCESSIBILITY REQUIREMENTS- LOCAL LAW 58/87

THE FOLLOWING NOTES AND REQUIREMENTS ARE PER THE NYC BUILDING CODE SUBCHAPTER 4: SUB ARTICLE 2 – FACILITIES FOR PEOPLE HAVING PHYSICAL DISABILITIES (927–292). REFERENCE STANDARD RS4–6 AND ANSI A114.1 – 1986, AS MODIFIED BY THE NYC BUILDING CODE.

SUBCHAPTER 1: FACILITIES FOR PEOPLE HAVING PHYSICAL DISABILITIES

§24–292.1 SLOPE: AS SET FORTH IN THIS SUB ARTICLE, BUILDINGS SHALL BE PROVIDED WITH ACCESSIBLE ROUTES, USABLE OR ADAPTABLE SPACE AND ACCESSIBLE ELEMENTS AND FACILITIES TO MAKE BUILDINGS ACCESSIBLE AND USABLE BY, AND TO ESTABLISH A SAFE ENVIRONMENT FOR, ALL CATEGORIES OF PEOPLE HAVING PHYSICAL DISABILITIES.

ACCESSIBILITY REQUIREMENTS FROM ANSI 117.1–1986,AS REFERENCED BY RS 4–6. (FIGURES REFERENCED MAY BE FOUND IN ANSI 117.1–1986)

4.2 SPACE ALLOWANCES AND REACH RANGES

4.2.1 WHEELCHAIR PASSAGE WIDTH. THE MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR PASSAGE SHALL BE 32 IN AT A POINT AND 36 IN CONTINUOUSLY. (SEE FIG. 1)

4.2.5 FORWARD REACH HEIGHT SHALL BE MIN. 15 IN, MAX. 48 IN.

4.2.6 SIDE REACH HEIGHT SHALL BE MIN. 9 IN, MAX 54 IN.

4.2.3 WHEELCHAIR TURNING SPACE. THE SPACE REQUIRED FOR A WHEELCHAIR TO MAKE A 180–DEGREE TURN IS A CLEAR SPACE OF 60 IN DIAMETER (SEE FIG 3 (A)) OR A T–SHAPED SPACE (SEE FIG. 3 (B)).

4.3 ACCESSIBLE RUOTE

4.3.1 GENERAL. ALL WALKS, HALLS, CORRIDORS, AISLES, AND OTHER SPACES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH 4.3.

4.3.2 LOCATION.

(1) ACCESSIBLE ROUTES WITHIN THE BOUNDARY OF THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE.

(2) ACCESSIBLE ROUTES SHALL CONNECT ACCESSIBLE BUILDINGS, FACILITIES, ELEMENTS AND SPACES THAT ARE ON THE SAME SITE.

(3) ACCESSIBLE ROUTES SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS AND WITH ALL ACCESSIBLE DWELLING UNITS WITHIN THE BUILDING OR FACILITY.

(4) ACCESSIBLE ROUTES SHALL CONNECT ACCESSIBLE ENTRANCES OF EACH ACCESSIBLE DWELLING UNIT WITH THOSE EXTERIOR AND INTERIOR SPACES AND FACILITIES THAT SERVE THE ACCESSIBLE DWELLING UNITS.

4.3.3 WIDTH. THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36 IN EXCEPT AT DOORS (SEE 4.13.5). IF A PERSON IN A WHEELCHAIR MUST MAKE A TURN AROUND AN OBSTRUCTION, THE MINIMUM CLEAR WIDTH OF THE ACCESSIBLE ROUTE SHALL BE AS SHOWN IN FIG. 7(A) AND (B).

4.3.7 SLOPE. AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 1:20 IS A RAMP AND SHALL COMPLY WITH 4.8. NOWHERE SHALL THE CROSS SLOPE OF AN ACCESSIBLE ROUTE EXCEED 1:50.

4.3.8 CHANGES IN LEVEL. CHANGES IN LEVEL ALONG AN ACCESSIBLE ROUTE SHALL COMPLY WITH 4.5.2. IF AN ACCESSIBLE ROUTE HAS CHANGES IN LEVEL GREATER THAN 1 IN, THEN A CURB RAMP, RAMP, ELEVATOR, OR PLATFORM LIFT SHALL BE PROVIDED THAT COMPLIES WITH 4.7, 4.8, 4.10, OR 4.11, RESPECTIVELY. STAIRS SHALL NOT BE PART OF AN ACCESSIBLE ROUTE.

4.3.9 DOORS. DOORS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH 4.13.

4.4 PROTRUDING OBJECTS

4.4.1 GENERAL. OBJECTS PROJECTING FROM WALLS FOR EXAMPLE, ELEPHONES WITH THEIR LEADING EDGES BETWEEN 27 IN AND 80 IN ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4 IN INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES (SEE FIG. 8(A)).

4.4.2 HEADROOM. WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES, OR OTHER CIRCULATION SPACES SHALL HAVE 80 IN MINIMUM CLEAR HEADROOM (SEE FIG. 8(A))

4.5 GROUND AND FLOOR SURFACES

4.5.1 GENERAL. GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES, INCLUDING FLOORS, WALKS, RAMPS, STAIRS, AND CURB RAMPS, SHALL BE STABLE, FIRM, AND SLIP RESISTANT, AND SHALL COMPLY WITH 4.5.

4.5.2 CHANGES IN LEVEL. CHANGES IN LEVEL UP TO 1/4 IN MAY BE VERTICAL AND WITHOUT EDGE TREATMENT. CHANGES IN LEVEL UP TO 1 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 (SEE FIGURE 7 (C) AND (D)). A 1 INCH RISE MAY BE VERTICAL FOR THE FIRST 1/4 INCH. CHANGES IN LEVEL GREATER THAN 1 INCH SHALL BE ACCOMPLISHED BY MEANS OF A RAMP THAT COMPLIES WITH 4.7 OR 4.8.

4.5.3* CARPET. IF CARPET OR CARPET TILE IS USED ON A GROUND OR FLOOR SURFACE, THEN IT SHALL BE SECURELY ATTACHED; HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD; AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT / UNCUT PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2 IN (13 MM). EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH 4.5.2.

4.5.4 GRATINGS. IF GRATINGS ARE LOCATED IN WALKING SURFACES THEN THEY SHALL HAVE SPACES NO GREATER THAN 1/2 IN WIDE IN ONE DIRECTION. IF GRATINGS HAVE ELONGATED OPENINGS, THEN THEY SHAL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

4.7 CURB RAMPS

4.7.1 LOCATION. CURB RAMPS COMPLYING WITH 4.7 SHALL BE PROVIDED WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB.

4.7.2 SLOPE. SLOPES OF CURB RAMPS SHALL COMPLY WITH 4.8.2. MAXIMUM COUNTER–SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20.

4.7.3 WIDTH. THE MINIMUM WIDTH OF A CURB RAMP SHALL BE 36 IN, EXCLUSIVE OF FLARED SIDES.

4.7.4 SURFACE. SURFACES OF CURB RAMPS SHALL COMPLY WITH 4.5.

4.7.5 SIDES OF CURB RAMPS. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, THEN IT SHALL HAVE FLARED SIDES; MAXIMUM SLOPE OF THE FLARE SHALL BE 1:10. CURB RAMPS WITH RETURNED CURBS MAY BE USED WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP.

4.7.6 BUILT–UP CURB RAMPS. BUILT–UP CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES.

4.7.7 WARNING TEXTURES. A CURB RAMP SHALL HAVE A DETECTABLE WARNING TEXTURE COMPLYING 4.27 AND EXTENDING THE FULL WIDTH AND DEPTH OF THE CURB RAMP, INCLUDING ANY FLARES (SEE FIG. 14).

4.7.8 OBSTRUCTIONS. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.

4.7.9 LOCATION AT MARKED CROSSINGS. CURB RAMPS AT MARKED CROSSING SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.

4.13 DOORS

4.13.1 GENERAL. DOORS TO ACCESSIBLE SPACES AND ELEMENTS AND ALONG ACCESSIBLE ROUTES SHALL COMPLY WITH THE REQUIREMENTS OF 4.13.

4.13.3 GATES. GATES, INCLUDING TICKET GATES, SHALL MEET ALL APPLICABLE SPECIFICATIONS OF 4.13.

4.13.5 CLEAR WIDTH. DOORWAYS INTENDED FOR USER PASSAGE SHALL HAVE A MINIMUM CLEAR OPENING OF 32 IN WITH THE DOOR OPEN 90 DEGREES, MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP (SEE FIG. 24(A). OPENINGS MORE THAN 24 IN IN DEPTH SHALL COMPLY WITH 4.2.1 AND 4.3.3 (SEE FIG. 1 24(C)).

4.13.7 TWO DOORS IN SERIES. THE MINIMUM SPACE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES SHALL BE 48 IN PLUS THE WIDTH OF ANY DOOR SWINGING INTO SPACE. DOORS IN SERIES SHALL SWING EITHER IN THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS (SEE FIG. 26).

4.13.8 THRESHOLDS AT DOORWAYS. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 3/4 IN IN HEIGHT FOR EXTERIOR RESIDENTIAL SLIDING DOORS OR 1/2 IN FOR OTHER TYPES OF DOORS. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 (SEE 4.5.2).

4.13.9 DOOR HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. THEY SHALL BE MOUNTED WITHIN REACH RANGES SPECIFIED IN 4.2. LEVER–OPERATED MECHANISMS, PUSH–TYPE MECHANISMS, AND U–SHAPE HANDLES ARE ACCEPTABLE DESIGNS. WHEN SLIDING DOORS ARE FULLY OPEN, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. IN DWELLING UNITS, ONLY DOORS AT ACCESSIBLE ENTRANCES TO THE UNIT ITSELF SHALL COMPLY WITH THE REQUIREMENTS OF THIS PARAGRAPH. DOORS TO HAZARDOUS AREAS SHALL HAVE HARDWARE COMPLYING WITH 4.27.3.

4.13.10 DOOR CLOSERS. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO AN OPEN POSITION OF APPROXIMATELY 12 DEGREES.

4.13.11 DOOR–OPENING FORCE. THE MAXIMUM FORCE, EXPRESSED IN POUNDS–FORCE (LBF) AND NEWTONS (N) FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:

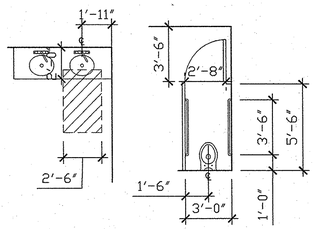
(1) FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.

(2) OTHER DOORS:

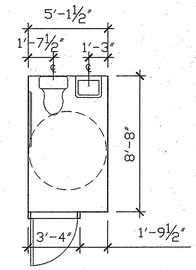
(A)	EXTERIOR HINGED DOORS:	8.5 LBF (37.8 N)
(B)	INTERIOR HINGED DOORS:	5.0 LBF (22.2 N)
(C)	SLIDING OR FOLDING DOORS:	5.0 LBF (22.2 N)

THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.

ACCESSIBLE BATHROOM DIAGRAMS



2 BATH TYPE 2
nts



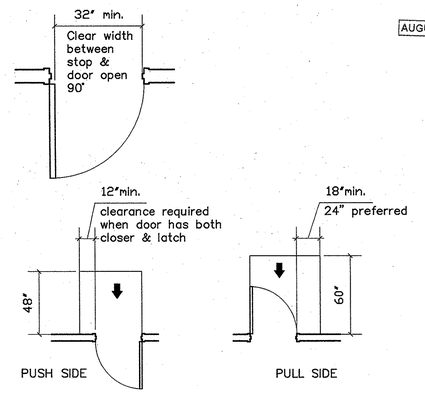
1 BATH TYPE 1
nts

NOTES:

1. HATCHED AREAS TO BE REINFORCED TO RECEIVE GRAB BARS.

2. SEE KITCHEN AND TOILET ENLARGED PLANS AND ELEVATIONS SHEETS FOR FURTHER INFORMATION.

MANEUVERING CLEARANCES AT DOORS



ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75

APR 27 2009

AUGUSTO E. JAVIER

210121429

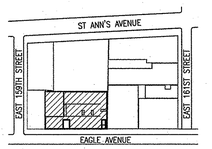
Project Title:

The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building
831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:
MAP
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7920 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expeditors
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

Drawing Title:

ACCESABILITY NOTS AND DIAGRAMS

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: ES **A-0.4**

Checked by:

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EXIT CAPACITY CALCULATIONS- OCCUPANCY GROUP G

OCCUPANCY LOAD CALCULATED @ 20SF/PERSON (CLASSROOM), 100SF/PERSON (OFFICE), 12SF/PERSON (CAFETERIA) AND 15SF/PERSON (GYMNASIUM)* AS PER TABLES 6.1 & 6.2.

*ROOF GYMNASIUM IS CALCULATED FOR 16 PERSONS (2 TEAMS OF 6 PLAYERS PLUS 4 SUPERVISORS).

CELLAR (OCCUPANT LOAD= 141)

	WIDTH	UNITS	CAPACITY/UNIT	ALLOWED	TOTAL ALLOWED	ACTUAL
STAIR– C	44"	2	60	120	240	141
STAIR– D	44"	2	60	120		
REQUIRED UNIT OF WIDTH (DOORS & OPENINGS) 72/80 = 0.9 ACTUAL UNITS OF WIDTH PROVIDED (DOORS & OPENINGS)= 3						

1ST FLOOR (0CCUPANT LOAD= 485)

	WIDTH	UNITS	CAPACITY/UNIT	ALLOWED	TOTAL ALLOWED	ACTUAL
EGRESS DOOR AT GRADE	132"	6	100	600	930	485
STAIR– B	122"	5.5	60	330		
REQUIRED UNIT OF WIDTH (DOORS & OPENINGS) 485/80 = 6.1 ACTUAL UNITS OF WIDTH PROVIDED (DOORS & OPENINGS)= 9.5						

2ND FLOOR (0CCUPANT LOAD= 515)

	WIDTH	UNITS	CAPACITY/UNIT	ALLOWED	TOTAL ALLOWED	ACTUAL
STAIR– A	88"	4	60	240	600	515
STAIR– B	88"	4	60	240		
STAIR– C	44"	2	60	120		
REQUIRED UNIT OF WIDTH (DOORS & OPENINGS) 515/80 = 6.5 ACTUAL UNITS OF WIDTH PROVIDED (DOORS & OPENINGS)= 7.5						

ROOF (OCCUPANT LOAD= 16)

	WIDTH	UNITS	CAPACITY/UNIT	ALLOWED	TOTAL ALLOWED	ACTUAL
STAIR– A	44"	2	60	120	240	16
STAIR– B	44	2	60	120		

ON GRADE EGRESS (OCCUPANT LOAD= 1141)

	WIDTH	UNITS	CAPACITY/UNIT	ALLOWED	TOTAL ALLOWED	ACTUAL
VESTIBULE DOORS	132"	6	100	600	1200	1157
STAIR– B DOORS	132"	6	100	600		

EGRESS NOTES:

AS PER N.Y.C. BUILDING CODE, SUBCHAPTER 6: ARTICLE 2 AND TABLE 6–1 FOR EDUCATIONAL, OCCUPANCY GROUP: G

1. 100 PERSONS PER UNIT OF WIDTH (22") ARE ALLOWED FOR EXIT DOORS TO EXTERIOR AT GRADE AND 80 PERSONS PER UNIT OF WIDTH ARE ALLOWED FOR ALL OTHER EXIT AND CORRIDOR DOORS, AS INDICATED IN TABLE 6–1. ALL 6 EXIT DOORS AT GRADE ARE SHALL BE 44" WIDE TO ACCOMMODATE 200 PERSONS EACH. 2 EXIT ACCESS DOORS ON THE ROOF SHALL BE 36" WIDE TO ACCOMMODATE 120 PERSONS EACH, 2ND FLOOR EXIT ACCESS DOORS TO STAIRS A & B SHAILL BE 78" WIDE TO ACCOMMODATE 280 PERSONS EACH, TO STAIR C 36" WIDE ACCOMMODATING 120 PERSONS. 1ST FLOOR EXIT ACCESS DOOR TO STAIR SHALL BE 78" WIDE ACCOMMODATING 280 PERSONS. CELLAR EXIT ACCESS DOORS ARE 36" WIDE ACCOMMODATNG 120 PERSONS EACH.

2. THE MAXIMUM TRAVEL DISTANCE TO EGRESS STAIRS IS 200' FOR A SPRINKLERED BUILDING. ALL FLOORS OF THIS BUILDING WILL BE SPRINKLERED. REFER TO THE FLOOR PLAN DRAWINGS FOR OVERALL BUILDING DIMENSIONS.

3. 66" MIN. CORRIDOR WIDTH IS ALLOWED FOR EGRESS FROM CLASSROOMS. ALL EXIT CORRIDORS FROM CLASSROOMS SHALL BE 66"MIN. WIDE AS INDICATED IN THE FLOOR PLAN DRAWINGS.

NET FLOOR AREA / OCCUPANCY ANALYSIS 0CCUPANCY GROUP G- EDUCATIONAL

	NET FLOOR AREA TOTAL (SF)	NET FLOOR AREA CLASSROOMS (SF)	GROSS FLOOR AREA TOTAL (SF)	
CELLAR	3,129*	2,721*	5,852	
1ST FLOOR	9,260	4,293	16,483	
2ND FLOOR	10,752	5,464	16,483	
TOTAL	20,012	9,757	38,818	

* NOT COUNTED IN ZONING ANALYSIS.

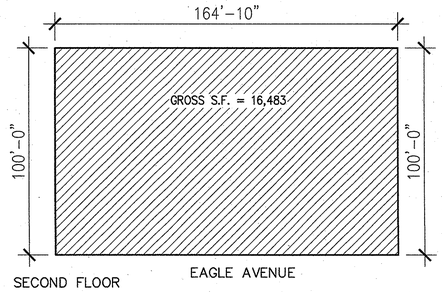
CONSTRUCTION CLASSIFICATION

GROUP 1–A 4HR–PROTECTED (FROM TABLE 3–4)

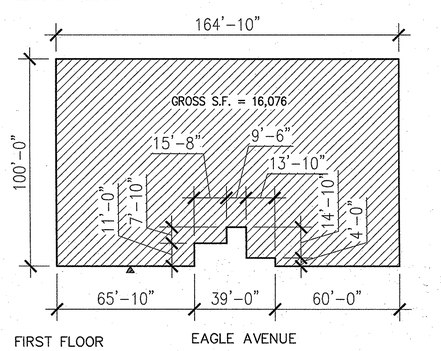
CONSTRUCTION ELEMENT	CLASS 1–A RATING IN HOURS	DRAWING REFERENCE
EXTERIOR WALLS – NON–BEARING W/ SEPARATION 3'–0" AND LESS	4	
EXTERIOR WALLS – NON–BEARING W/ SEPARATION BET 3'–0" AND 15'–0"	4	
EXTERIOR WALLS – NON–BEARING W/ SEPARATION OF 30'–0" OR MORE	4	
INTERIOR BEARING WALLS AND PARTITIONS	4	
ENCLOSURE OF VERTICAL EXITS, EXIT PASSAGEWAYS, HOISTWAYS & SHAFTS	2	
COLUMNS, GIRDERS, TRUSSES & FRAMING	4	
STRUCTURAL MEMBERS SUPPORTING A WALL	4	
FLOOR CONSTRUCTION INCLUDING BEAMS	3	
ROOF CONSTRUCTION	2	

ZONING ANALYSIS

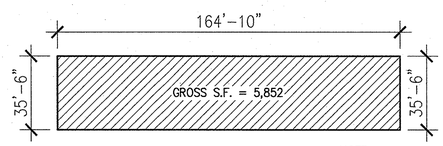
	Address				831 Eagle Avenue
	Block				2619
	Lot				27
	Map				6c
	Zoning District 1				M1-1
	Zoning District 2				
	CEQR Designation				
	Site Description				
	Lot Area				16480.00
	Use Regulations	**Residential**	**Community Facility**	**Commercial**	**Manufacturing**
42-10	Permitted Uses	NA	4A, 4C	5, 6, 7A-7E, 8, 8A-9C, 10A-10C, 11, 12A-12E, 13, 14 and 16	
	Existing Use			Industrial and Manufacturing	
	Proposed New Use			School (Use Group 3A)	
42-30	**Uses Permitted by Special Permit**				
42-31	By the Board of Standards and Appeals				
	In M1 district, School, provided they have no living or sleeping accomodations, is permitted by special permit of the Board of Standards and Appeals, in accordance with standards set foth in Article VII, Chapter 3.				
	Street Tree Planting				
43-02	Street Planting in Manufacturing District				
	1 Street Tree per 25 ft of street frontage				
	Total Street Frontage				164.83
	Minimum Street Trees Required (164.83' / 25)				6.59
	Street Trees Provided				7.00
	Maximum Floor Area Attainable				
43-122	**Maximum Attainable Community Facility FAR**				2.40
	Lot Area				16480.00
	Max Floor Area Attainable				39552.00
	Proposed Community Facility Floor Area				32559.00
	Proposed Community Facility FAR				1.98
	Maximum FAR Allowed				2.40
	Yard Regulations				
	Front Yards				Not Required
43-25	Side Yards				Not Required
43-26	Rear Yards				20 ft
54-31	A non-complying building or other structure may be enlarged or converted, provided that no enlargement or conversion may be made which would either create a new non-compliance or increase the degree of non-compliance of a building or other struct				
	Base Plane Elevation	**Legal Grade, Legal Grade, Avg Grade**			**Average Legal Grade**
	Average Along Eagle Avenue	83.63	67.66	65.65	
	Average Legal Grade				65.65
	Height Regulations				
43-43	Maximum Height of Front Wall				30 ft
	Minimum Setback Distance				20 ft
	Sky Exposure Plane				1:1
	Floor	**Floor To Floor Heigts**		**Elevation**	
	Building Height				58.00
	Parking Regulations				
44-00	Required Accessoiy Off-Street Parking Spaces for Community Facility Uses				NA
	Proposed Parking				0



SECOND FLOOR



FIRST FLOOR

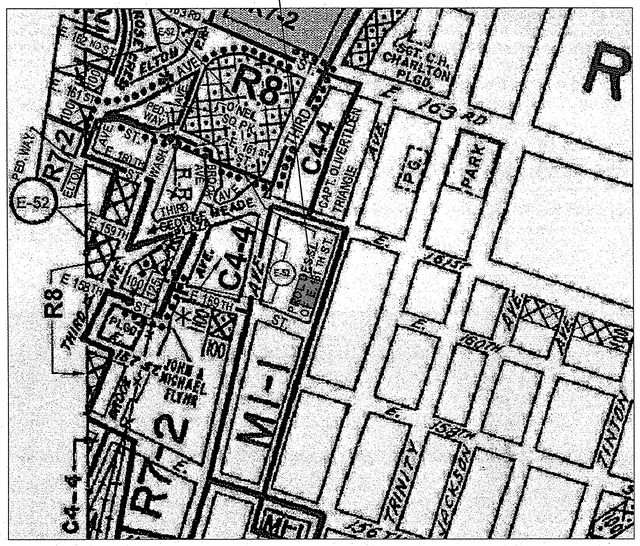


CELLAR

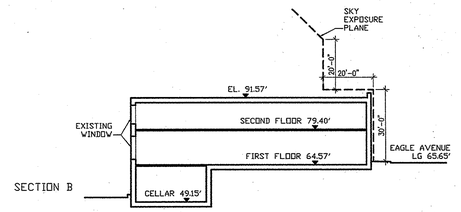
NOTE: CELLAR NOT INCLUDED IN ZONING AREA

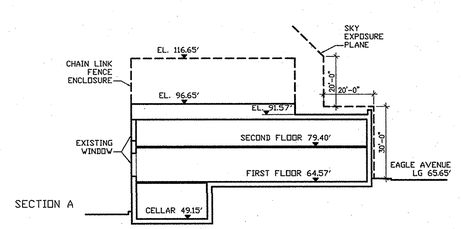
4 FLOOR AREA DIAGRAMS
SCALE: NTS

PROJECT SITE

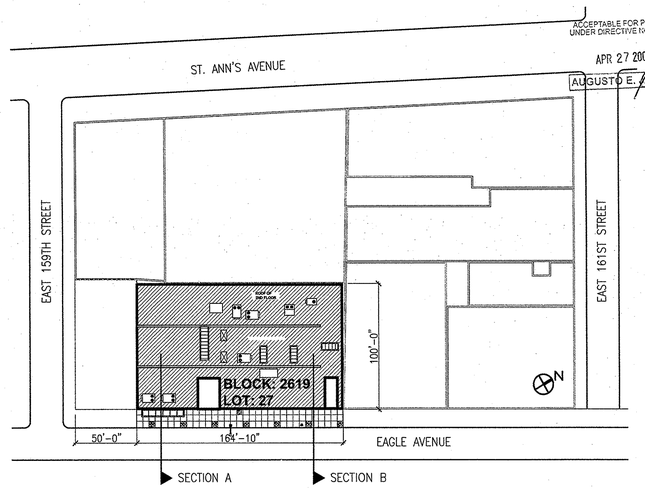


3 ZONING MAP 6C: DISTRICT M1-1
SCALE: NTS





2 ZONING SECTION
SCALE: N.T.S.



1 ZONING SITE PLAN
SCALE: 1"=50'

Project Title:

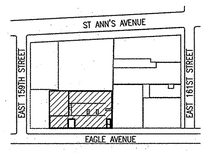
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



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Revisions:

Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7620 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:

Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:

Rodkin Cardinale, P.C. Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:

Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

2101121429

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Drawing Title:

ZONING ANALYSIS

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS/ES **A-0.5**

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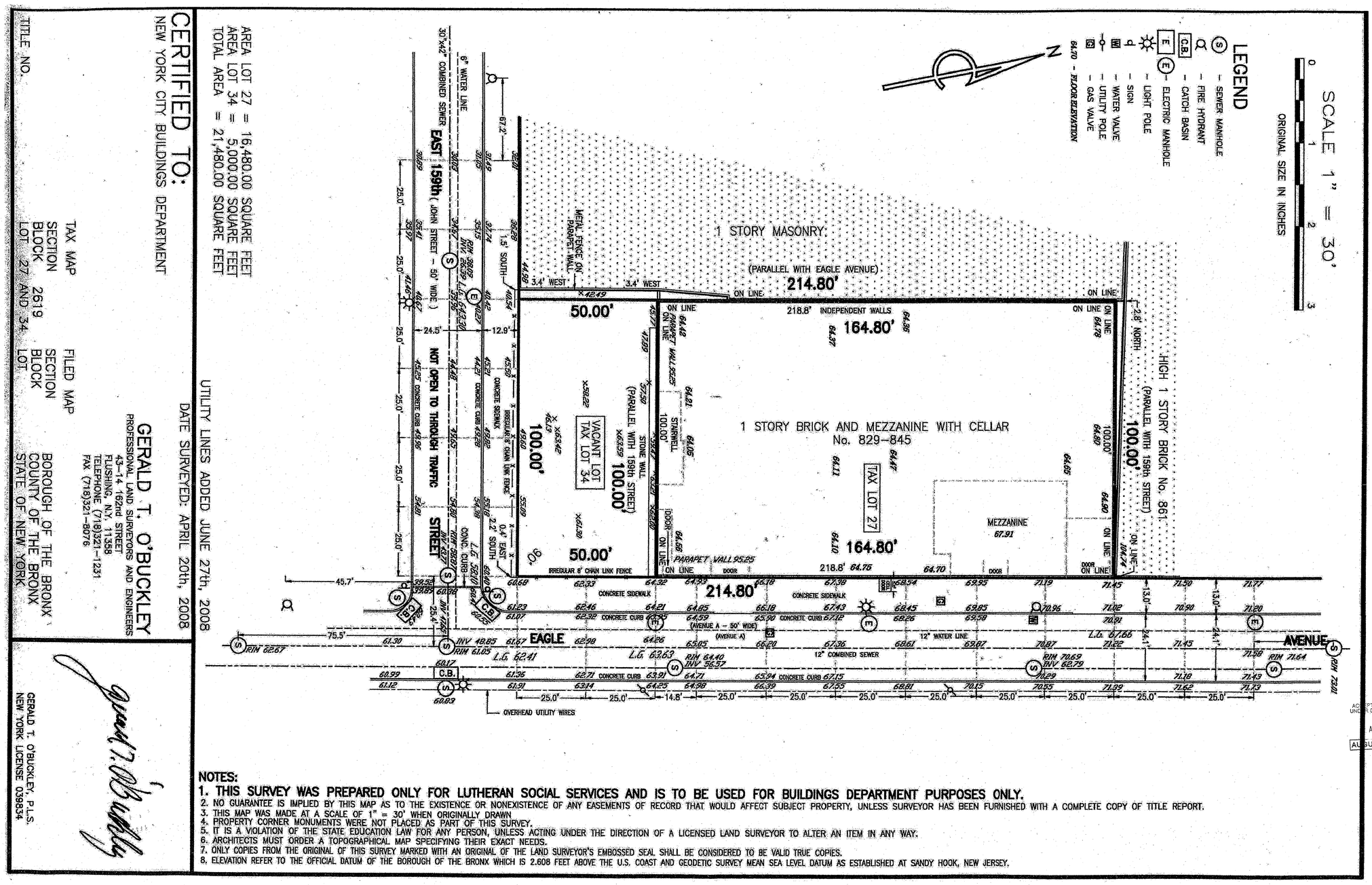

AREA LOT 27 = 16,480.00 SQUARE FEET
AREA LOT 34 = 5,000.00 SQUARE FEET
TOTAL AREA = 21,480.00 SQUARE FEET

CERTIFIED TO:

NEW YORK CITY BUILDINGS DEPARTMENT

UTILITY LINES ADDED JUNE 27th, 2008

DATE SURVEYED: APRIL 20th, 2008

TAX MAP
SECTION
BLOCK 2619
LOT 27 AND 34

FILED MAP
SECTION
BLOCK
LOT

TITLE NO.

GERALD T. O'BUCKLEY
PROFESSIONAL LAND SURVEYORS AND ENGINEERS
43-14 162nd STREET
FLUSHING, N.Y. 11358
TELEPHONE (718)321-1231
FAX (718)321-8076

BOROUGH OF THE BRONX
COUNTY OF THE BRONX
STATE OF NEW YORK

Gerald T. O'Buckley

GERALD T. O'BUCKLEY, P.L.S.
NEW YORK LICENSE 039834

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APR 27 2009
AUGUSTO E. JAVIER
210121429

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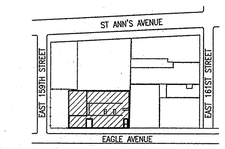

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5	12.04.08	BULLETIN #1

Revisions:

Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
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Structural Engineer:
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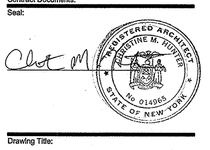

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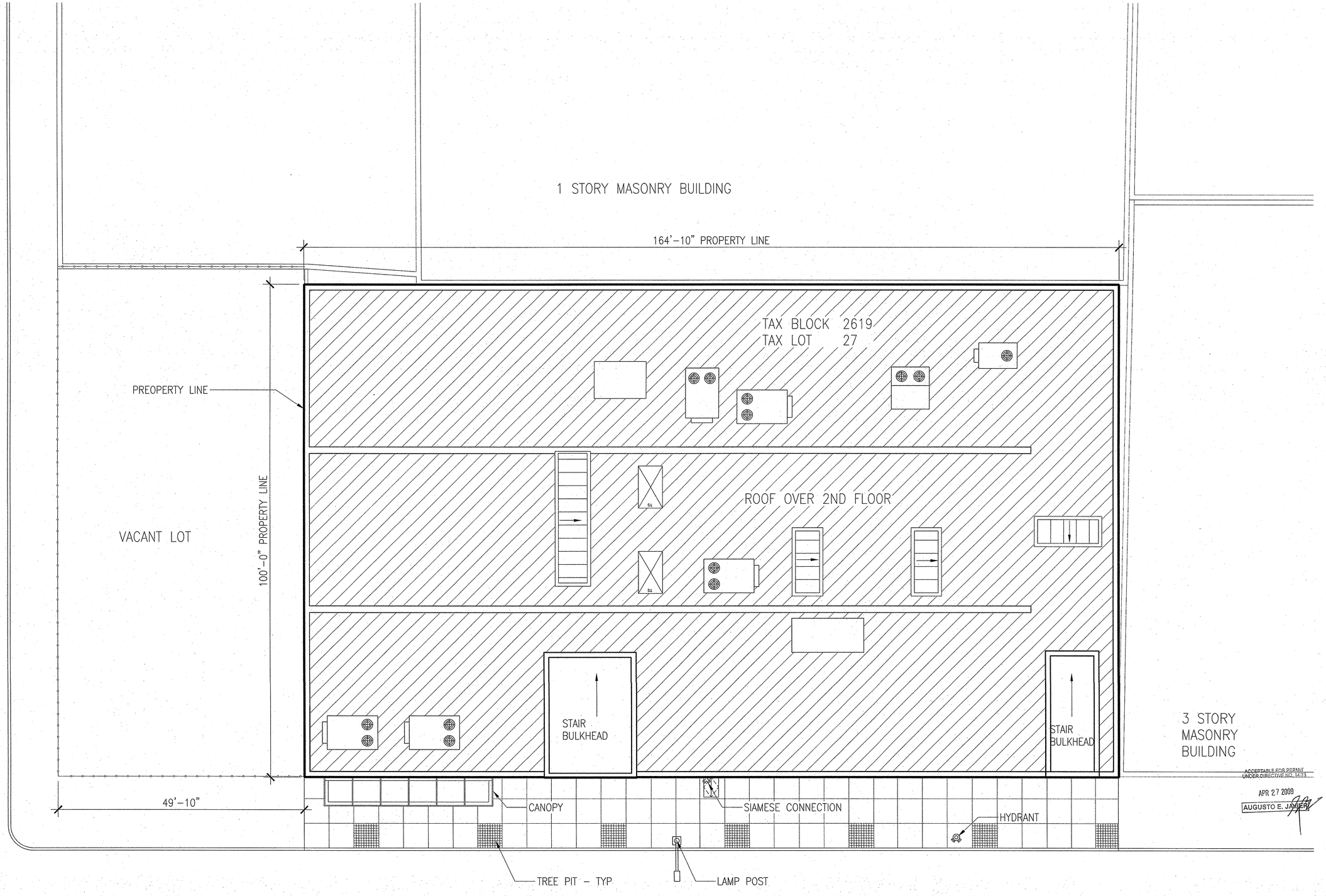

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APR 27 2009

AUGUSTO E. JAVIER

210121429

1 SITE PLAN
1/8" = 1' - 0"

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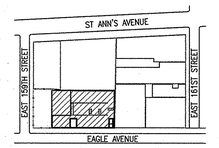

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853 Broadway, Suite 800 New York, NY 10003
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Structural Engineer:
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51 MacDougal Street, Suite 359
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Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

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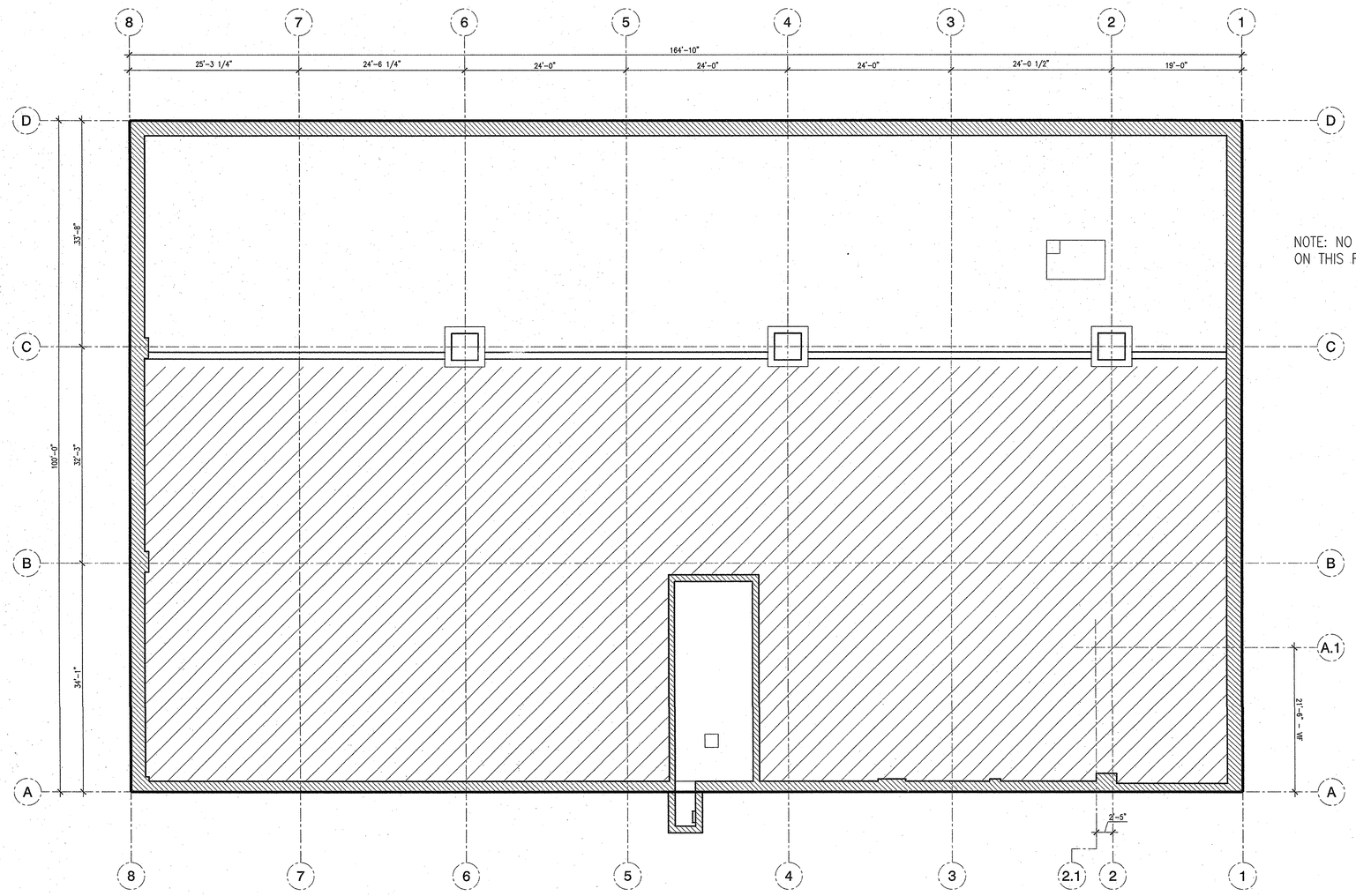

1 BASEMENT DEMO PLAN

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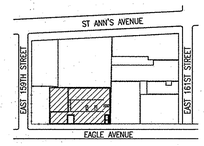

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853 Broadway, Suite 800 New York, NY 10003
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249 Seacliff Avenue
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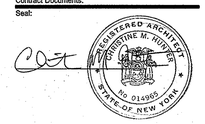

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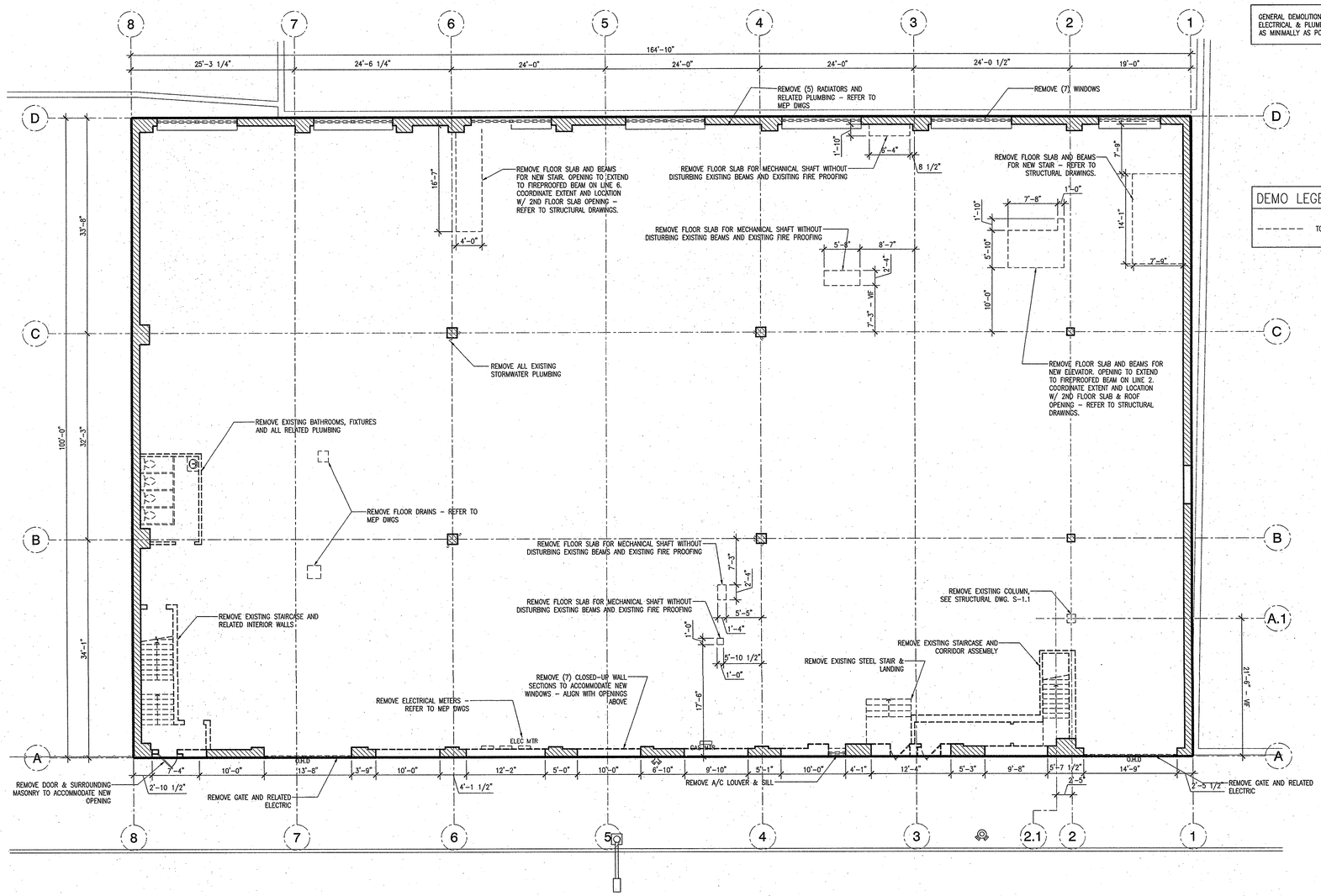

1 FIRST FLOOR DEMO PLAN

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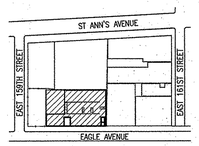

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Tel: (917) 548-5549

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APR 27 2009

AUGUSTO E. JAVIER

210121429

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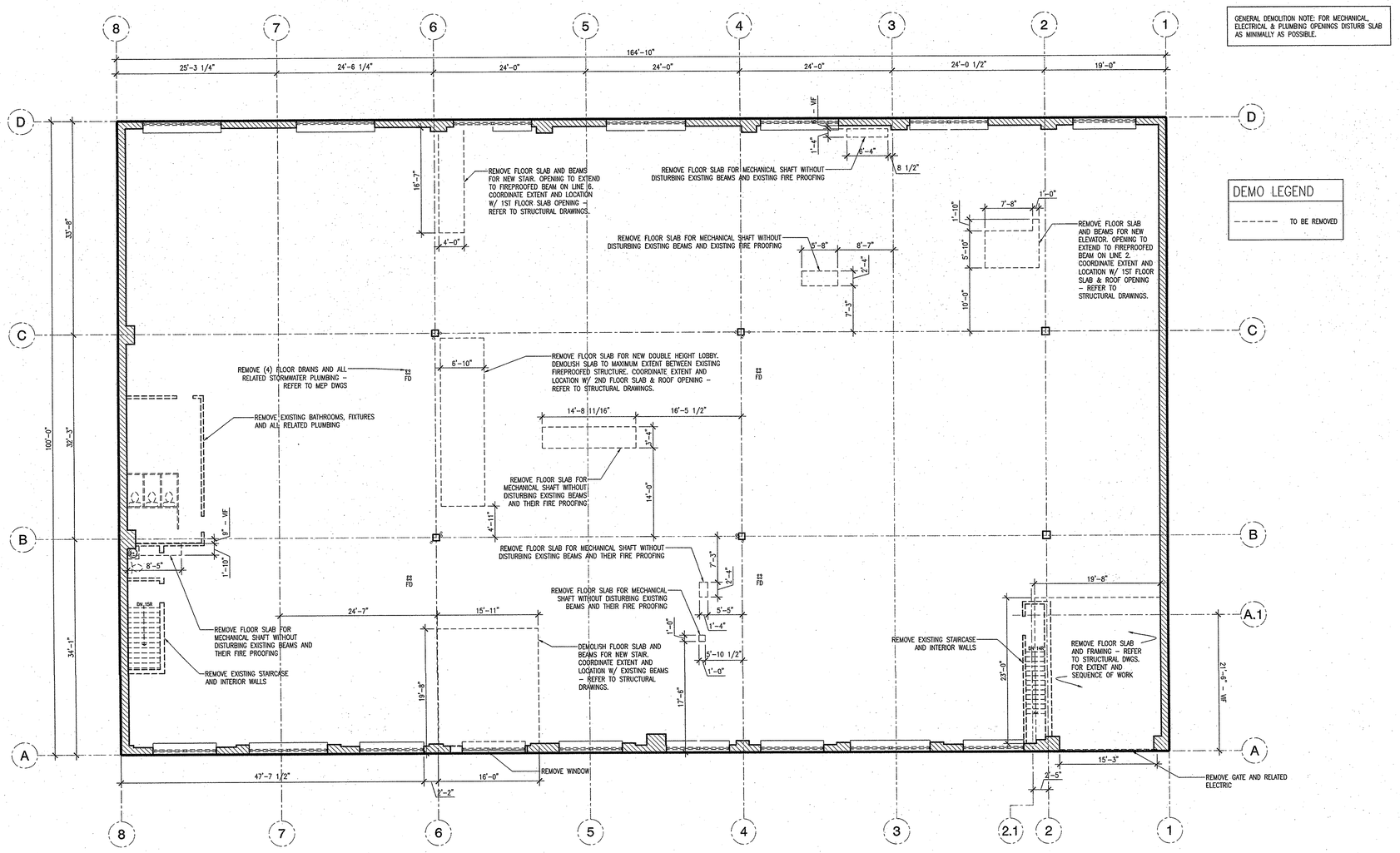


1 SECOND FLOOR DEMO PLAN

Project Title:

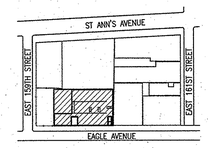
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:
MAP
Magnusson Architecture & Planning PC
853 Broadway, Suite 809 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expeditors
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/76
APR 27 2009
AUGUSTO E. JAVIER
210121429

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Seal:

Drawing Title:

SECOND FLOOR DEMO PLAN

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS **D-1.2**

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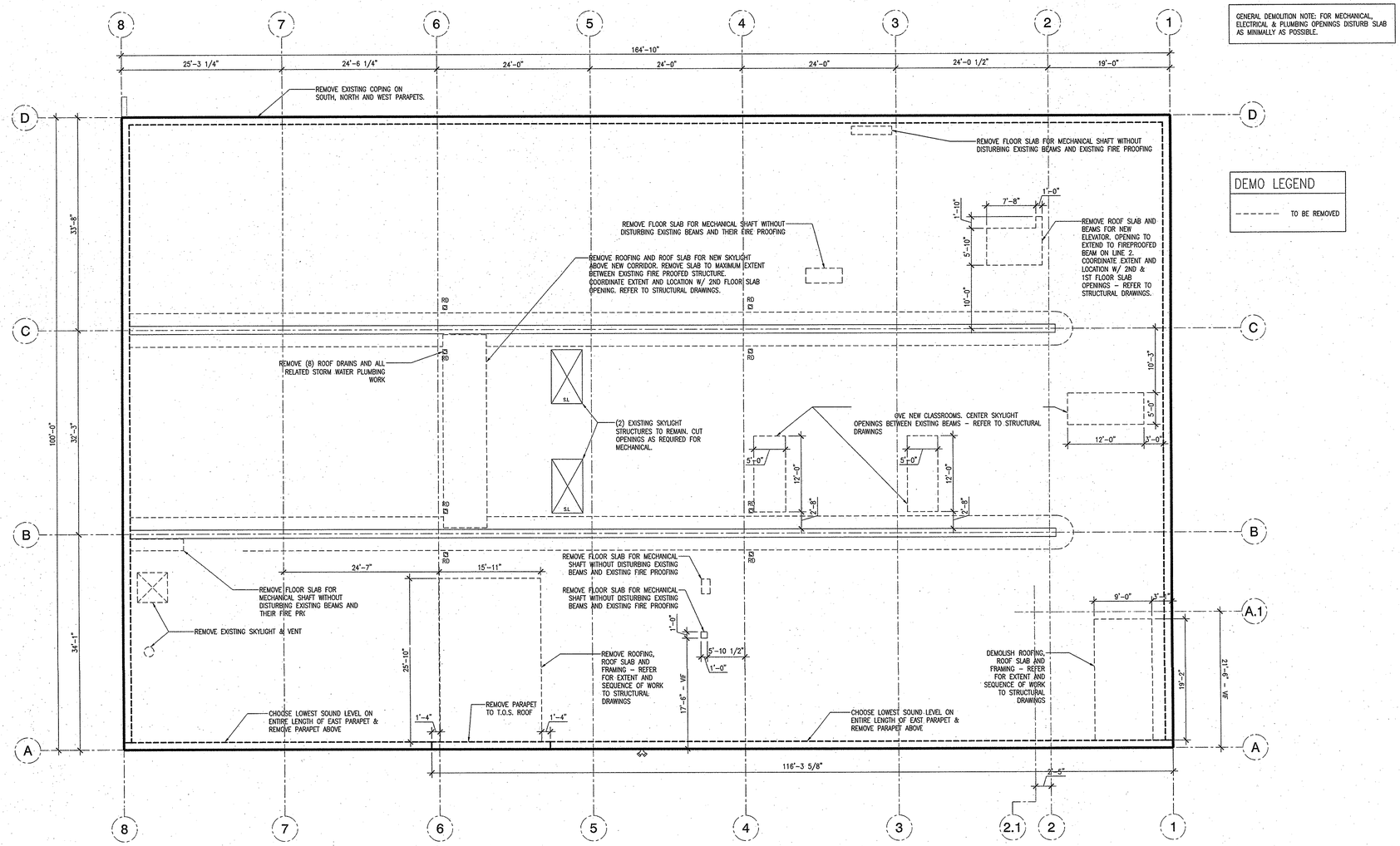

1 ROOF DEMO PLAN

Project Title:

The New LIFE Secondary School

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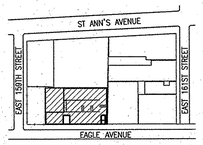

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Architect:
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/72
APR 27 2009
AUGUSTO E. JAVIER
210121429

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Seal:

REGISTERED ARCHITECT CHRISTINE M. MAHER NO. 014565 STATE OF NEW YORK

Drawing Title:

ROOF DEMO PLAN

Project Number: 07022
Date: Drawing #
Scale: 1/8"=1'-0"
Drawn by: CS **D-1.3**
Checked by:

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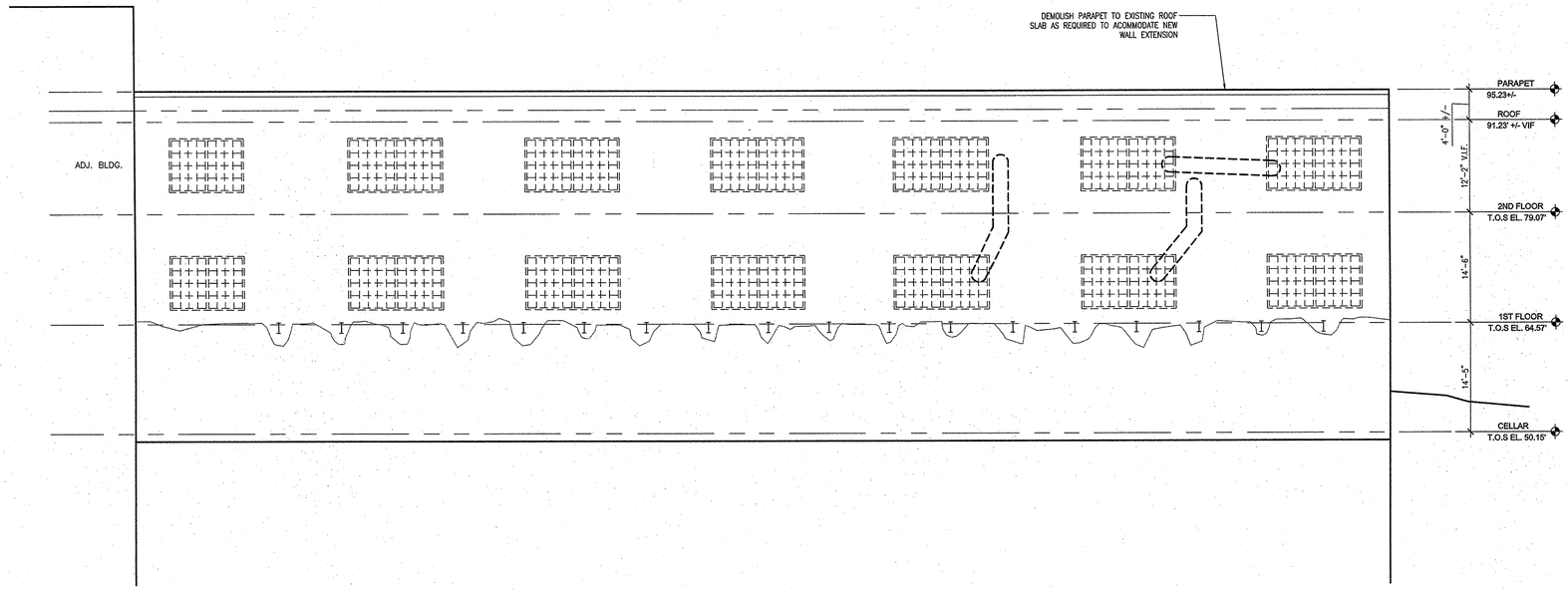
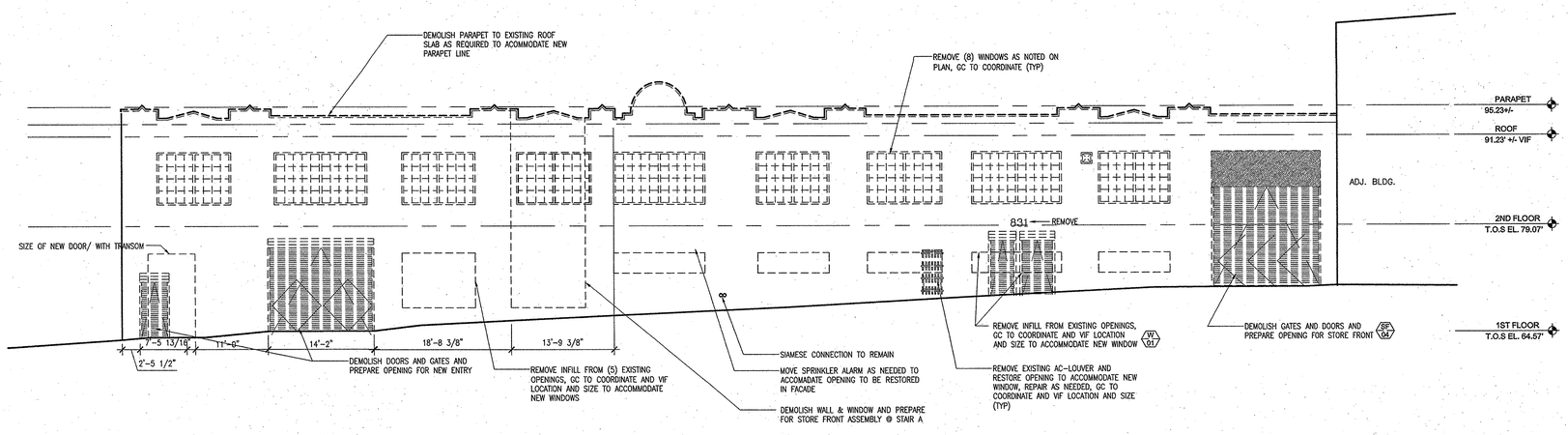


2 WEST ELEVATION- DEMO

1/8" = 1'-0"

DEMO LEGEND	
- - - - -	TO BE REMOVED

NOTE: PROTECT ALL NEW WINDOWS AND SECURITY SCREENS DURING DEMOLITION



1 EAST ELEVATION- DEMO

1/8" = 1'-0"

Project Title:

The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

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New York, NY 10115
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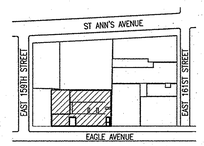

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Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:

Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:

Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:

Upright Expediters

249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. JAMES
210121429

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Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

REGISTERED ARCHITECT CHRISTINE M. HUNTER No. 014967 STATE OF NEW YORK

Drawing Title:

EAST AND WEST DEMO ELEVATIONS

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS/ES **D-2.1**

Checked by:

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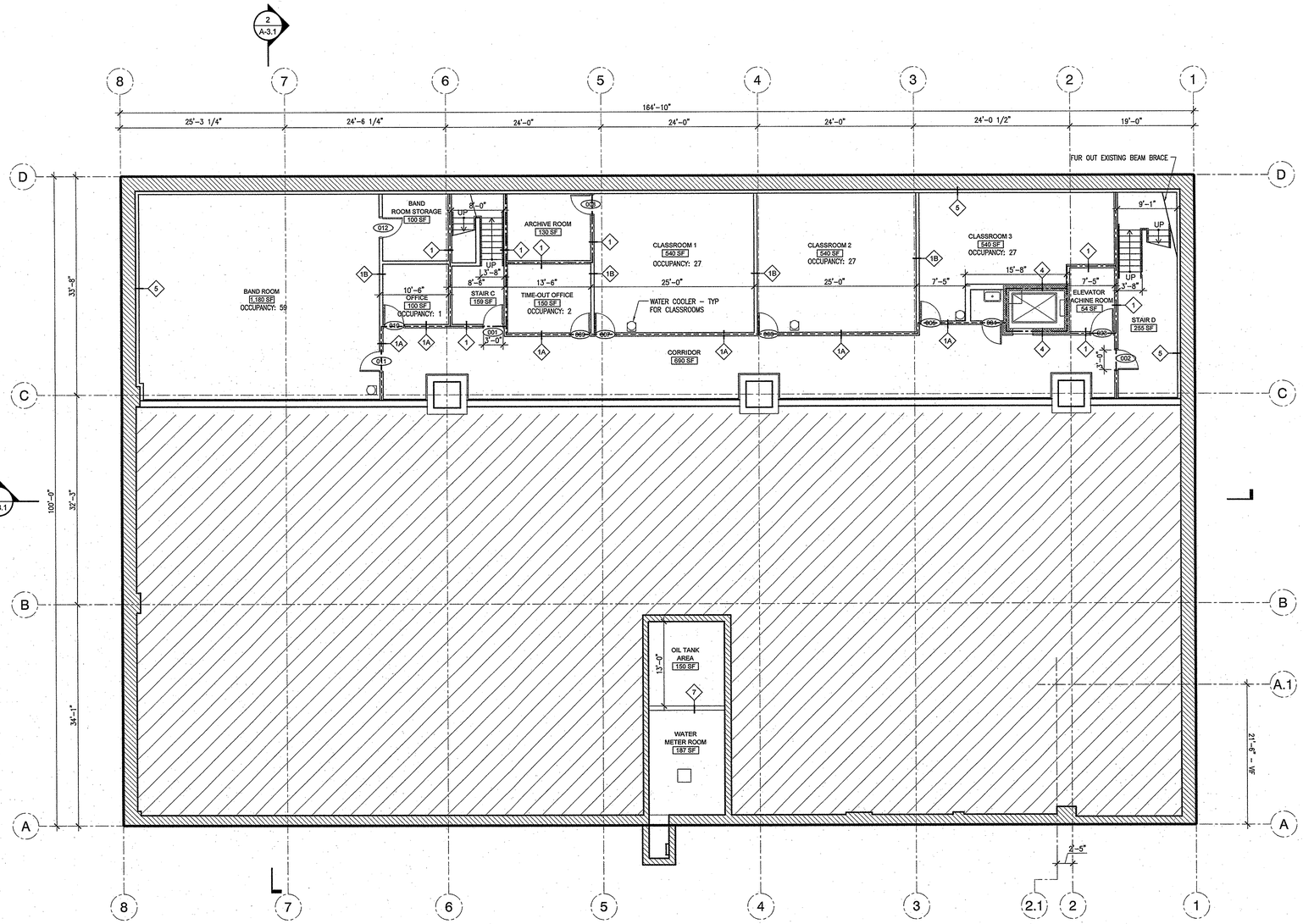


1 CELLAR PLAN

Project Title:

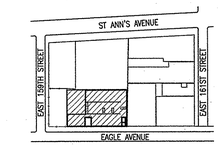
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Rivreside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

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1	05.27.08	BID SET
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3	08.08.08	DOB RESUBMISSION
4	02.27.09	DOB RESUBMISSION 2

Revisions:

Architect:
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5549

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. JAVIER

210121429

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Seal:

REGISTERED ARCHITECT CHRISTINE M. MAGNUSSON No. 014969 STATE OF NEW YORK

Drawing Title:

CELLAR PLAN

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS

Checked by:

A-1.0

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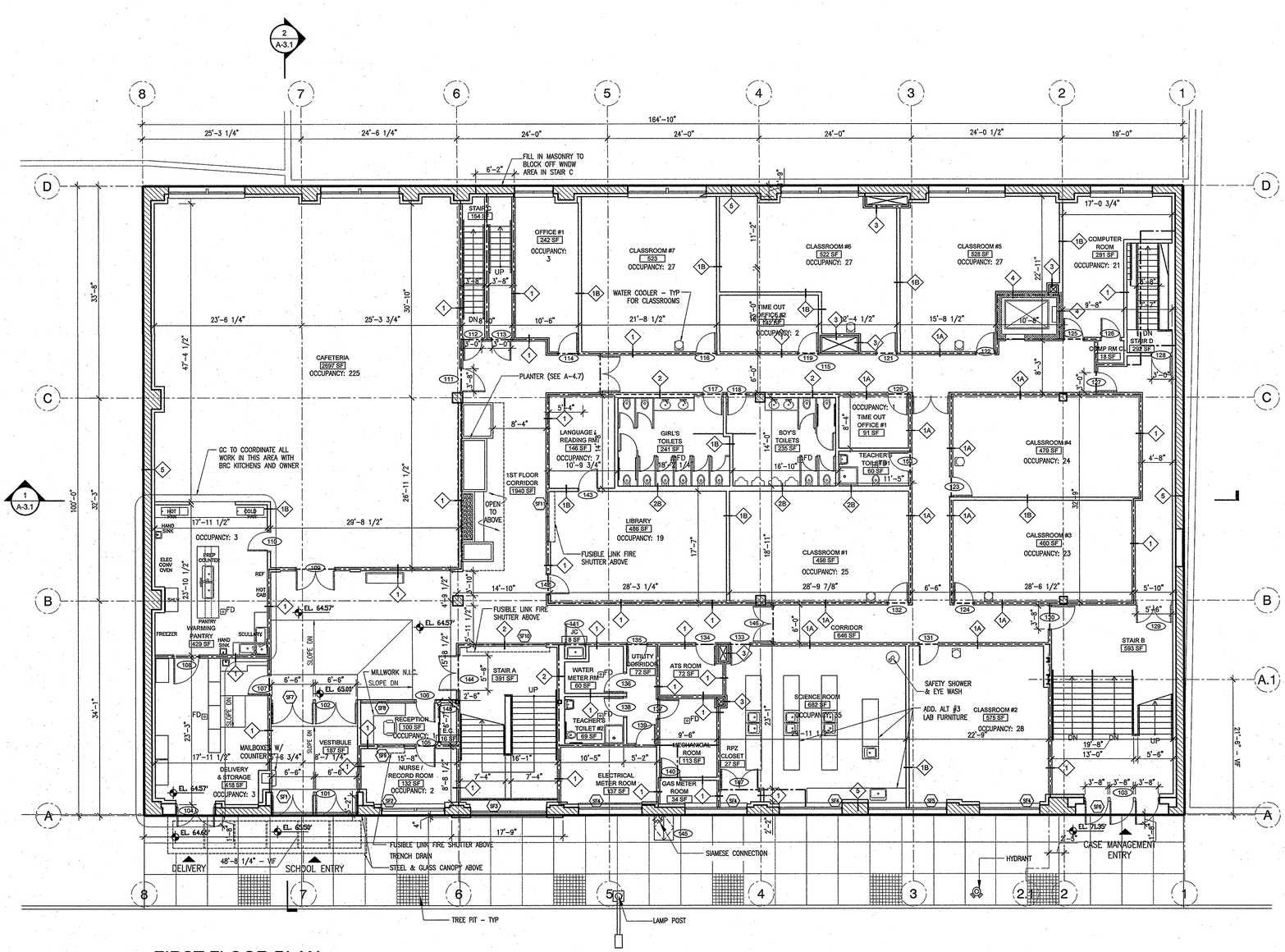


1 FIRST FLOOR PLAN

Project Title:

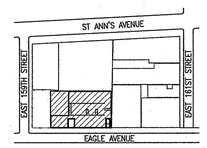
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Rivreside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

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4	02.27.09	DOB RESUBMISSION 2

Revisions:

Architect:
MAP
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Sreet
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expediters
249 Eaacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

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APR 27 2009
AUGUSTO FIGUEROA

210121429

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Seal:

Drawing Title:

FIRST FLOOR PLAN

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS

Checked by:

A-1.1

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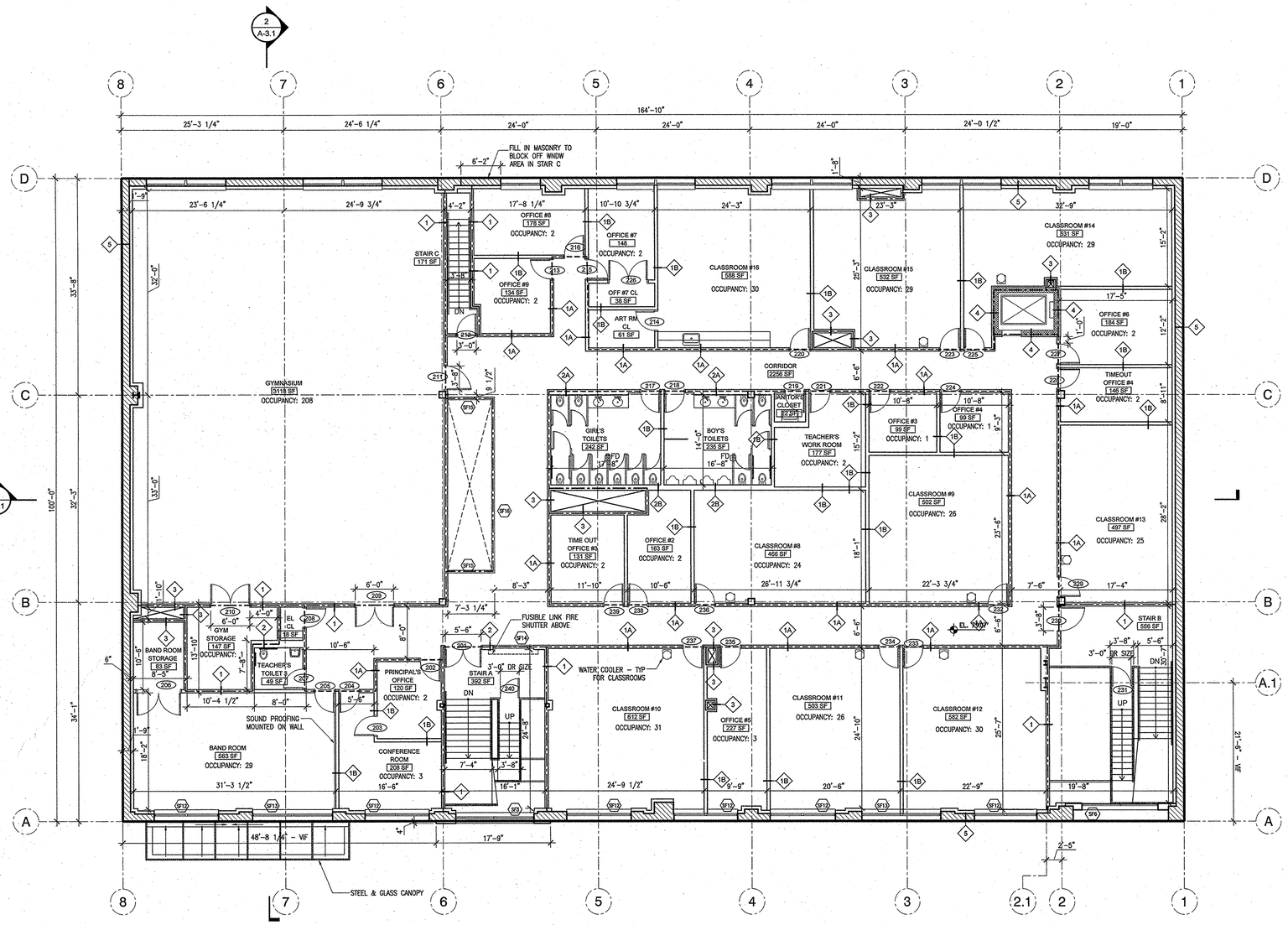


1 SECOND FLOOR PLAN

Project Title:

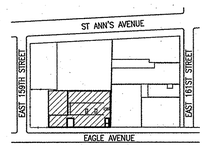
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



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NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
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3	08.06.08	DOB RESUBMISSION
4	02.27.09	DOB RESUBMISSION 2

Revisions:

Architect:

Magnusson Architecture & Planning, PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:

Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:

Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:

Upright Expediters

249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

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APR 27 2009
AUGUSTO E. XAVIER 210121429

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Seal:

REGISTERED ARCHITECT CHRISTINE M. HUNTER No. 014065 STATE OF NEW YORK

Drawing Title:

SECOND FLOOR PLAN

Project Number: 07022

Date:

Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS

Checked by:

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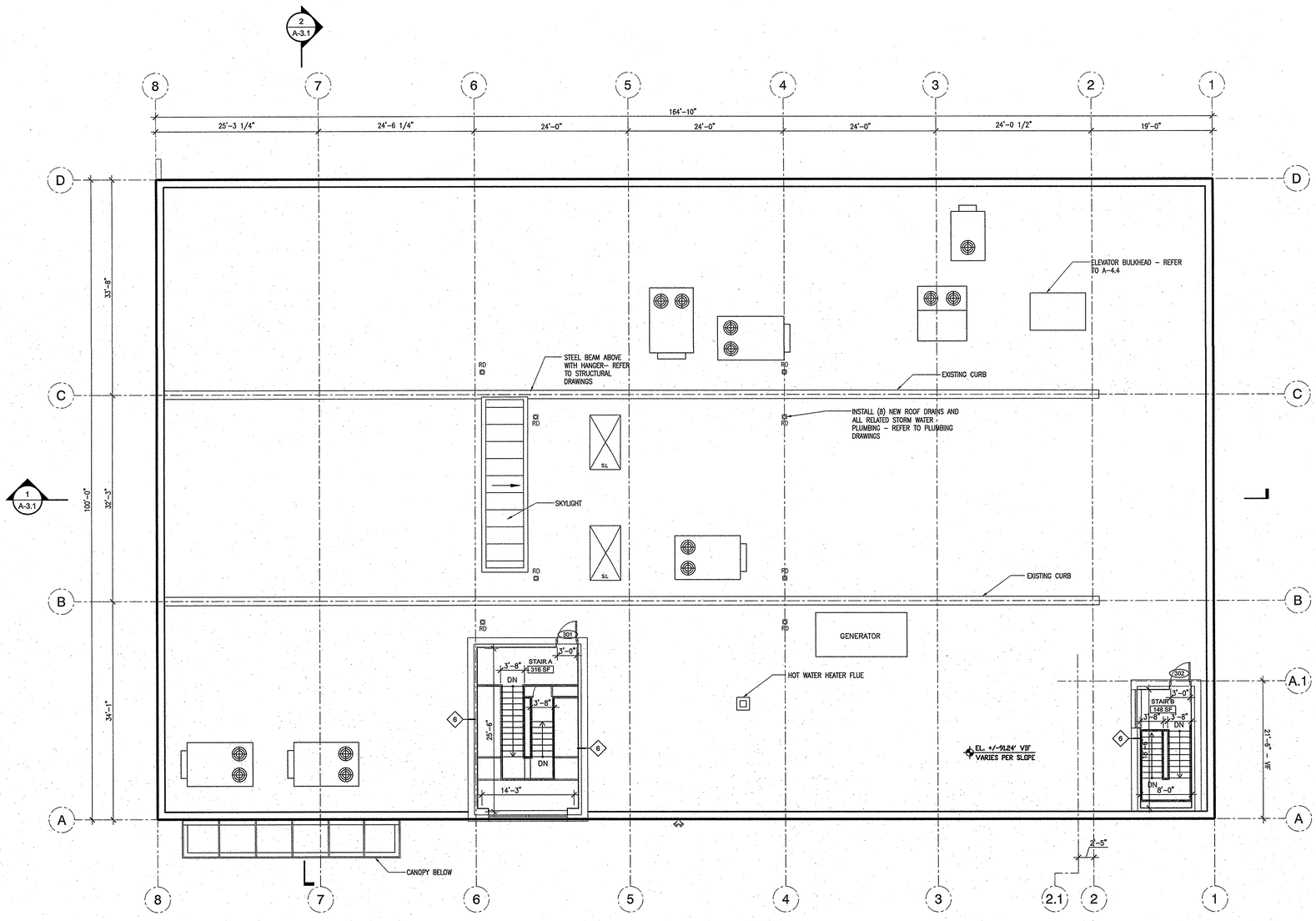

1 ROOF PLAN

Project Title:

The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Rivreside Drive #1244
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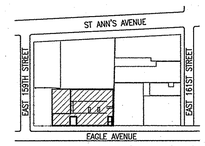

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Revisions:

Architect:
MAP
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates
Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
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214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expediters

249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT
UNDER DIRECTIVE NO. 14/75

APR 27 2009 210121429
AUGUSTO E. JAVIER

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Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

REGISTERED ARCHITECT
CHRISTINE M. HUNTER
No. 014969
STATE OF NEW YORK

Drawing Title:

ROOF PLAN

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS **A-1.3**

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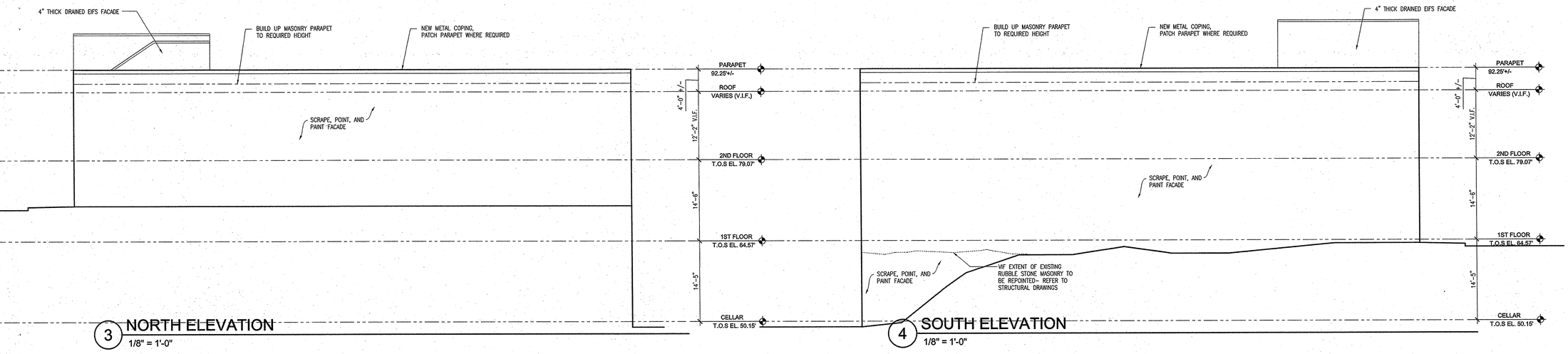
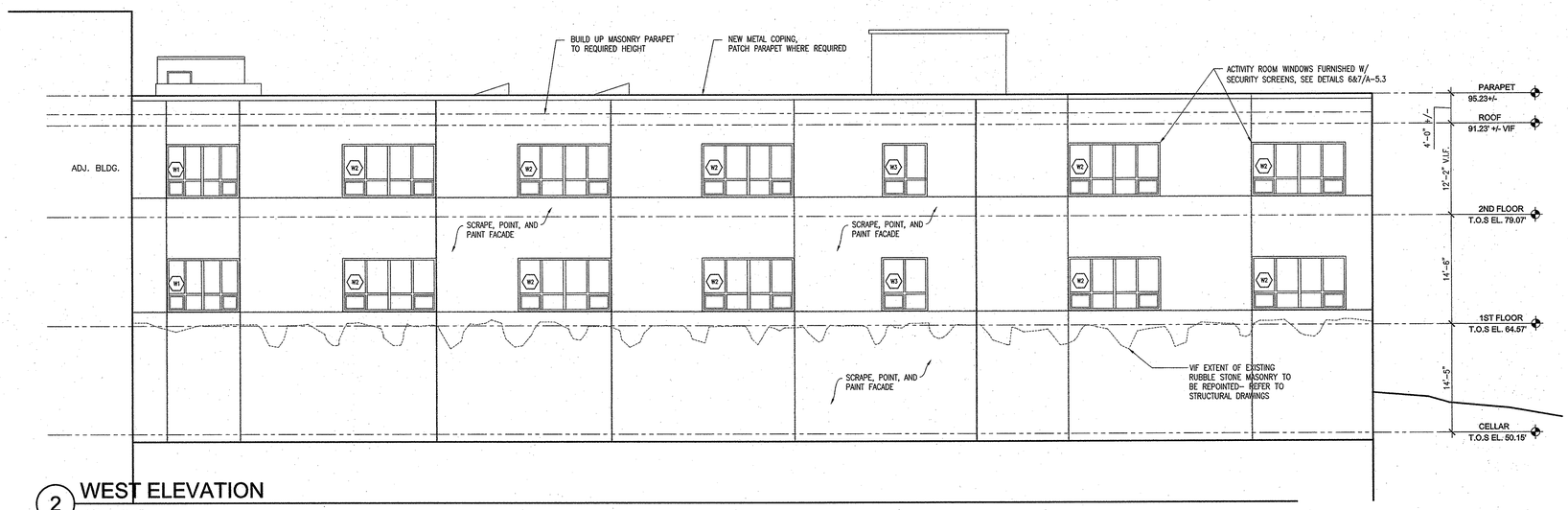
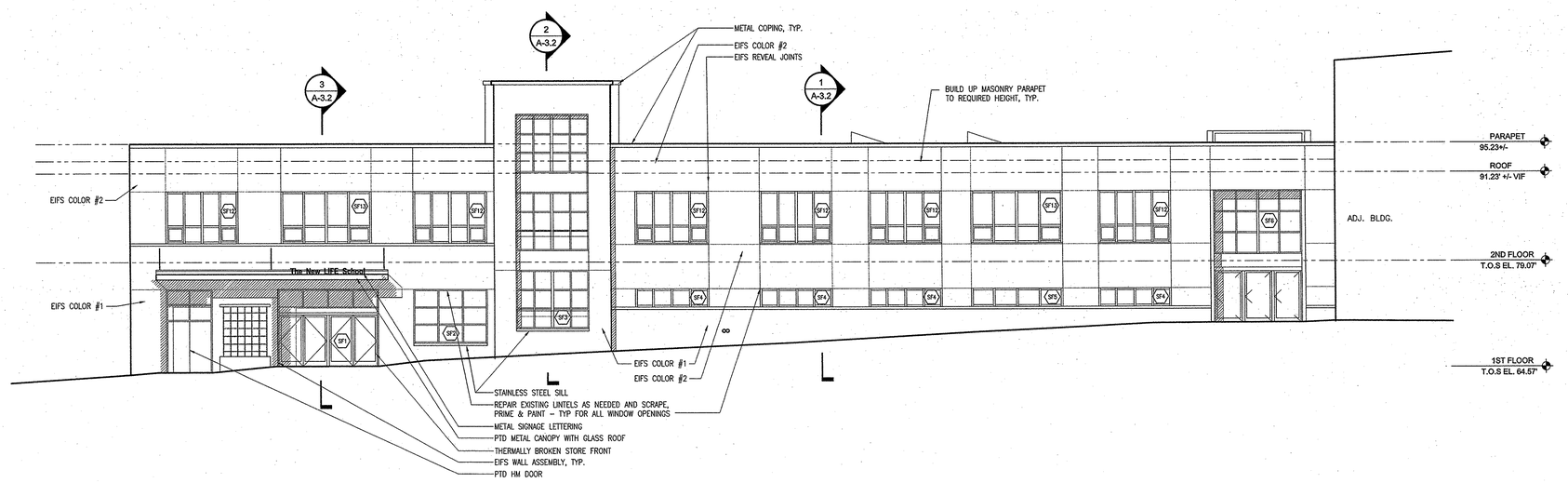


3 NORTH ELEVATION
1/8" = 1'-0"

4 SOUTH ELEVATION
1/8" = 1'-0"



2 WEST ELEVATION
1/8" = 1'-0"



1 EAST ELEVATION
1/8" = 1'-0"

Project Title:

The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building
831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

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475 Rivreside Drive #1244
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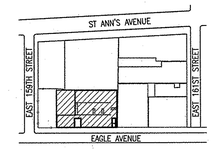

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Architect:
MAP
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7520 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

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214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
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ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. JIMENEZ
210121429

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Seal:
REGISTERED ARCHITECT CHRISTINE M. MAGNUSSON NO. 014965 STATE OF NEW YORK

Drawing Title:

BUILDING ELEVATIONS

Project Number: 07022
Date:
Drawing # A-2.1
Scale: 1/8"=1'-0"
Drawn by: CS/ES
Checked by:

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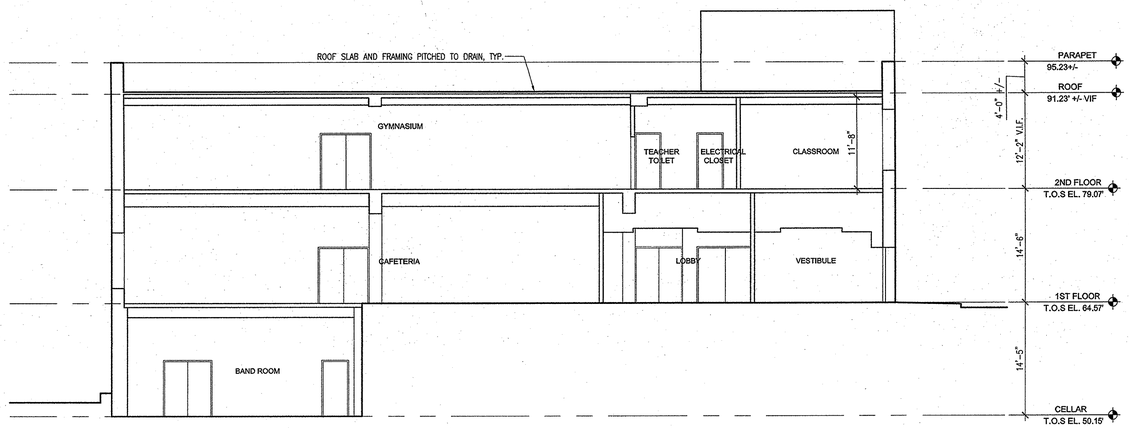
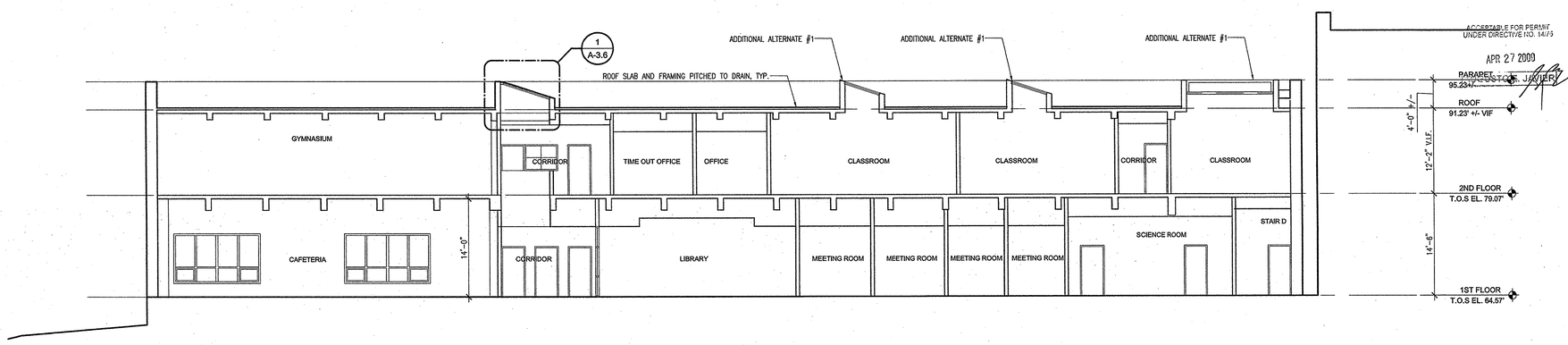


2 CROSS SECTION- THRU GYM AND CAFETERIA

1/8" = 1' - 0"



1 TRANSVERSE SECTION

1/8" = 1' - 0"

Project Title:

The New LIFE Secondary School

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831 Eagle Avenue
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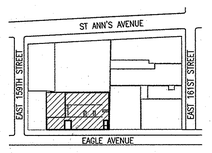

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Revisions:

Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7620 Fax (212) 253-1276
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Structural Engineer:

Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
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MEP Engineer:

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Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:

Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

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APR 27 2009

EXAMINER

210121429

Do Not Scale Plans
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Seal:

REGISTERED ARCHITECT
AUGUSTINE M. RODKIN
NO. 014
STATE OF NEW YORK

Drawing Title:

BUILDING SECTIONS

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS/ES **A-3.1**

Checked by:

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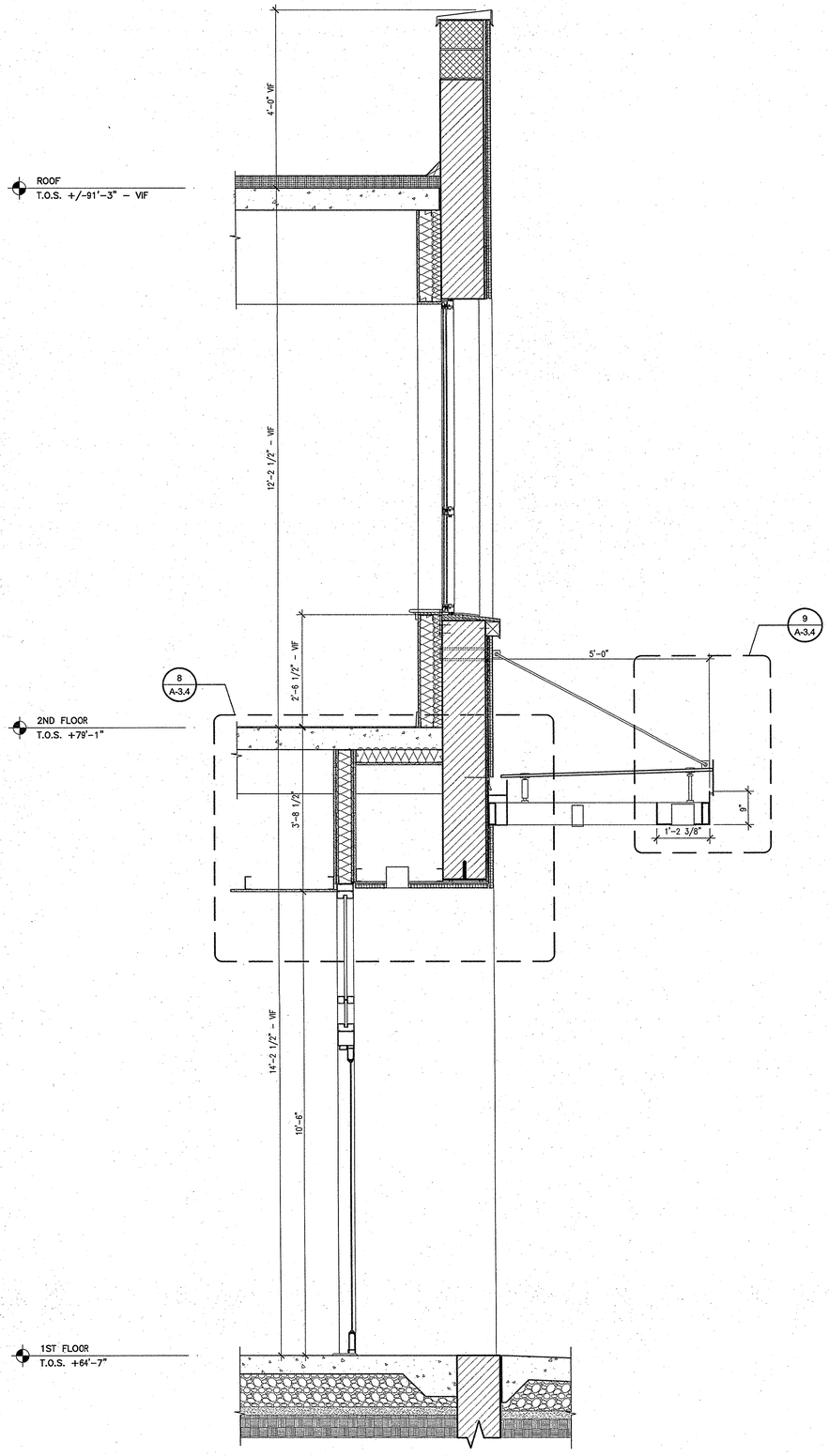
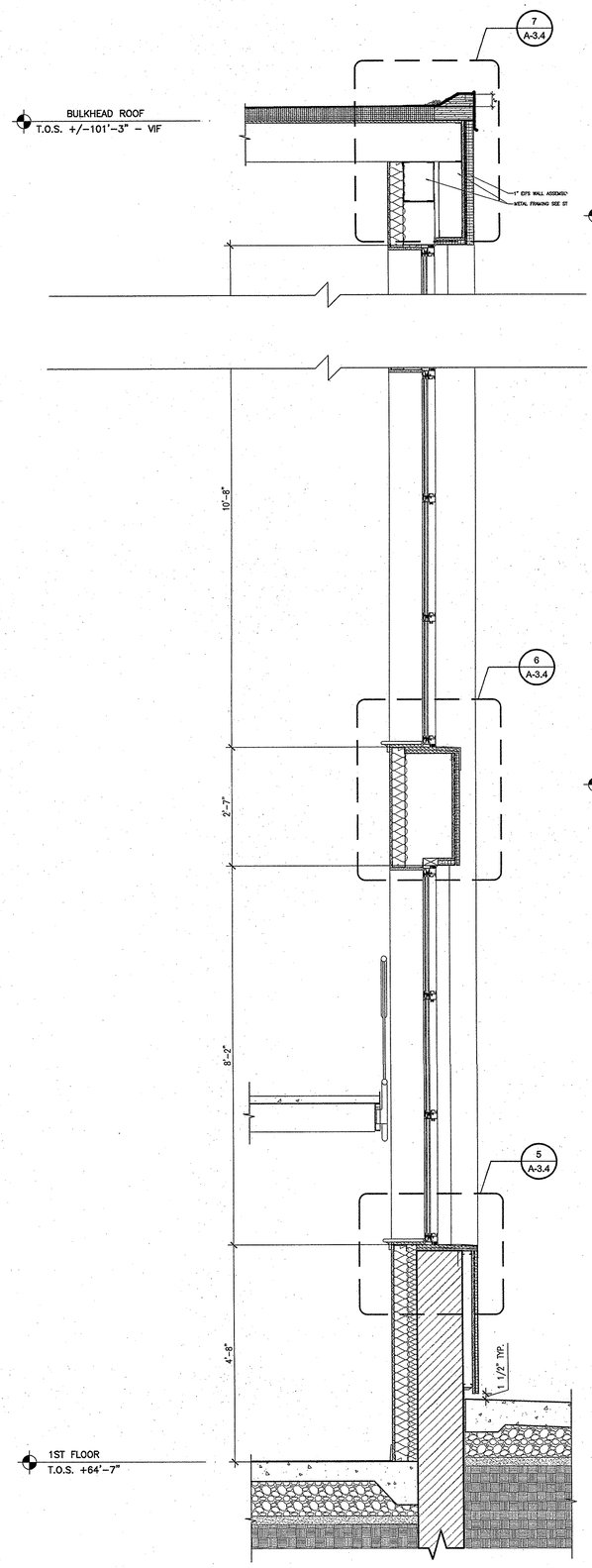
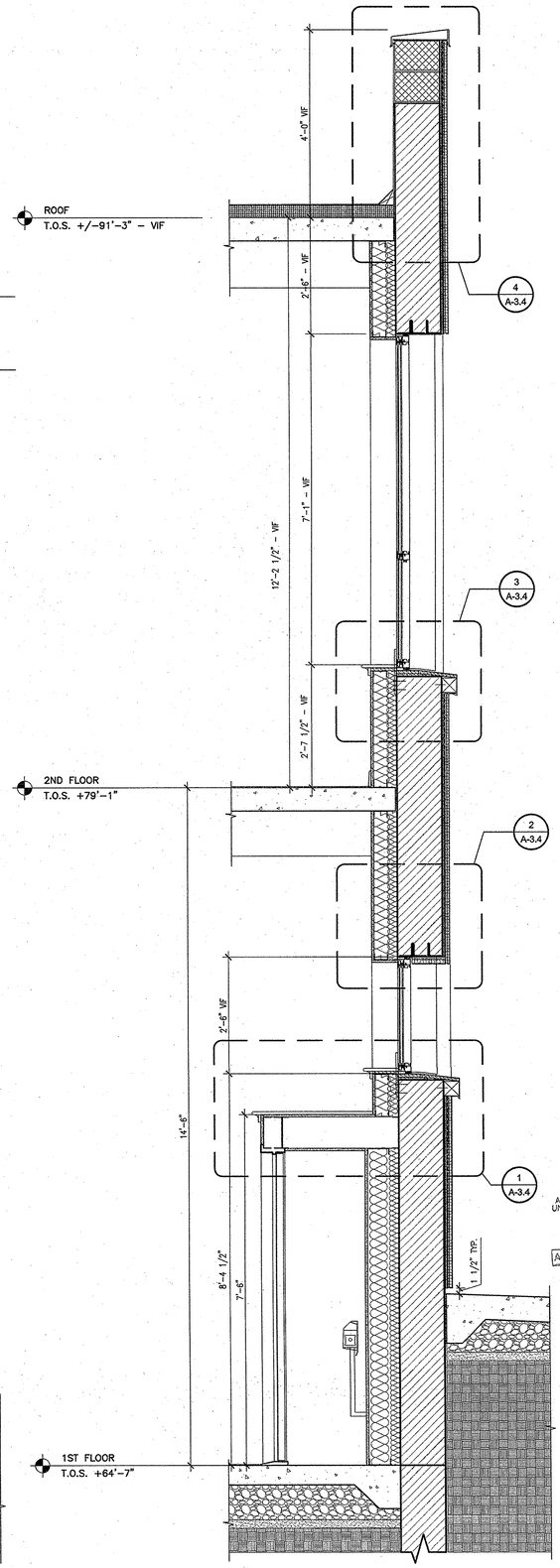


3 SECTION @ CANOPY
1/2" = 1' - 0"



2 SECTION @ STAIR A
1/2" = 1' - 0"



1 TYPICAL WALL SECTION @ EAGLE AVE.
1/2" = 1' - 0"

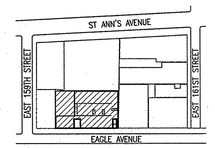
Project Title:

The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building
831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:
MAP
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Upright Expediters
249 Seacliff Avenue
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Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. JAMES
210121429

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:
REGISTERED ARCHITECT CHRISTINE M. HOEPER No. 014963 STATE OF NEW YORK

Drawing Title:
EXTERIOR WALL SECTION

Project Number: 07022
Date: Drawing #
Scale: 1/8"=1'-0"
Drawn by: CS/ES **A-3.2**
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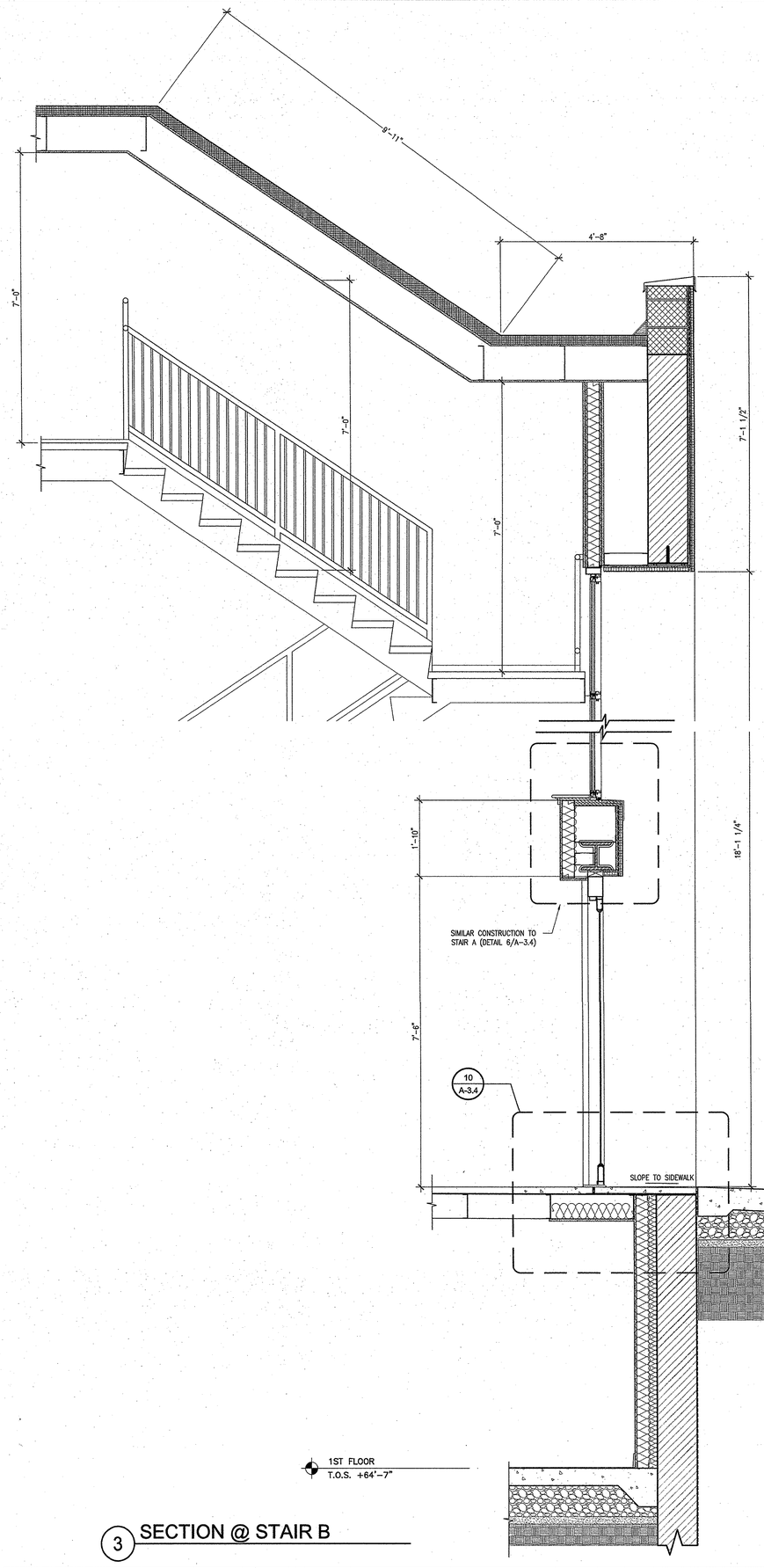
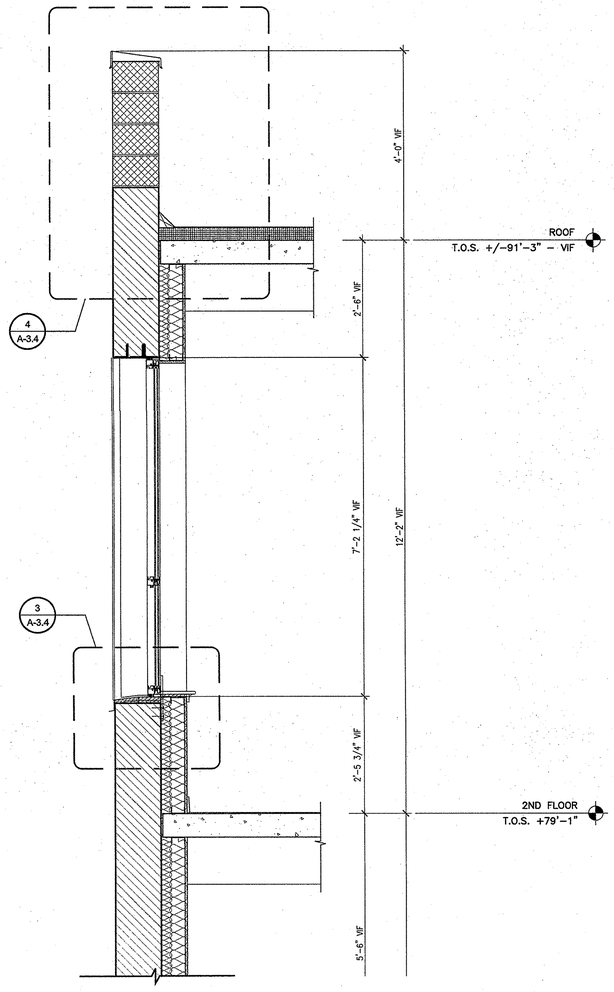
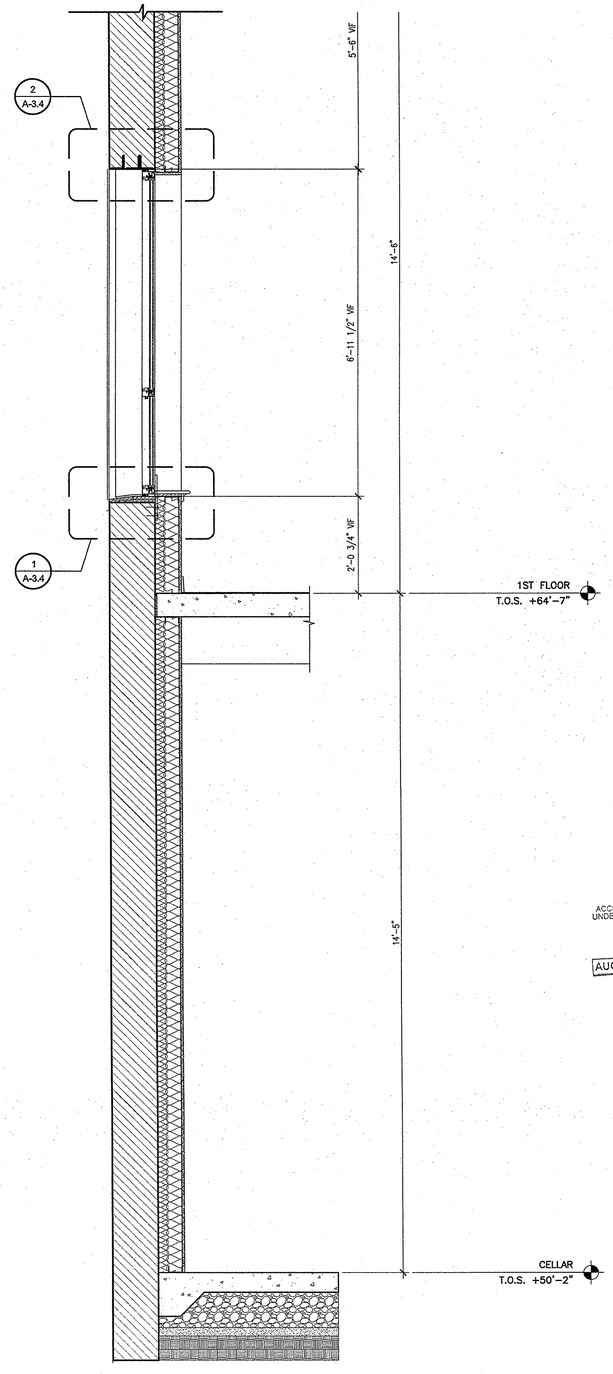


3 SECTION @ STAIR B



2 SECTION THRU WEST WALL (CONT'D)



1 SECTION THRU WEST WALL

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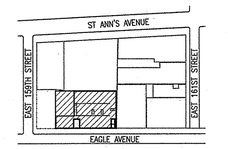

Key Plan: N

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210121429

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Seal:

REGISTERED ARCHITECT CHRISTINE M. THUPER No. 014965 STATE OF NEW YORK

Drawing Title:

EXTERIOR WALL SECTION

Project Number: 07022

Date: Drawing #

Scale: 3/4"=1'-0"

Drawn by: CS/ES **A-3.3**

Checked by:

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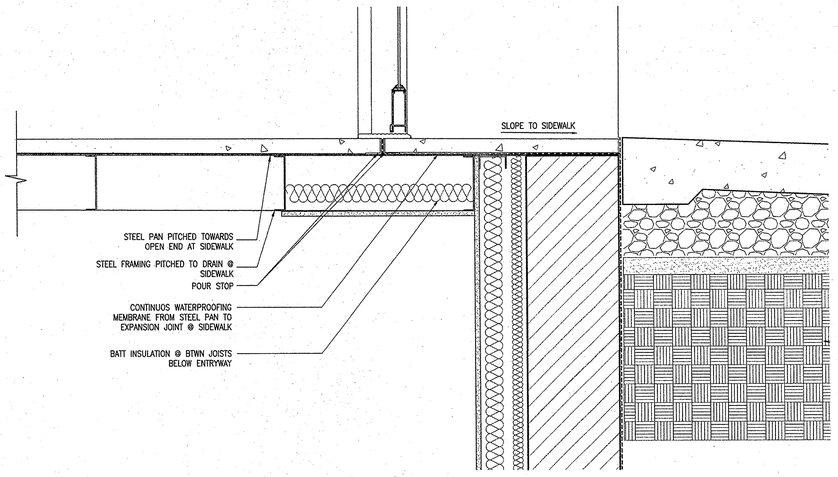
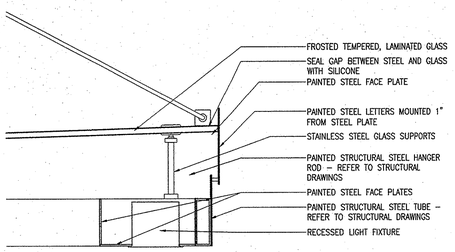
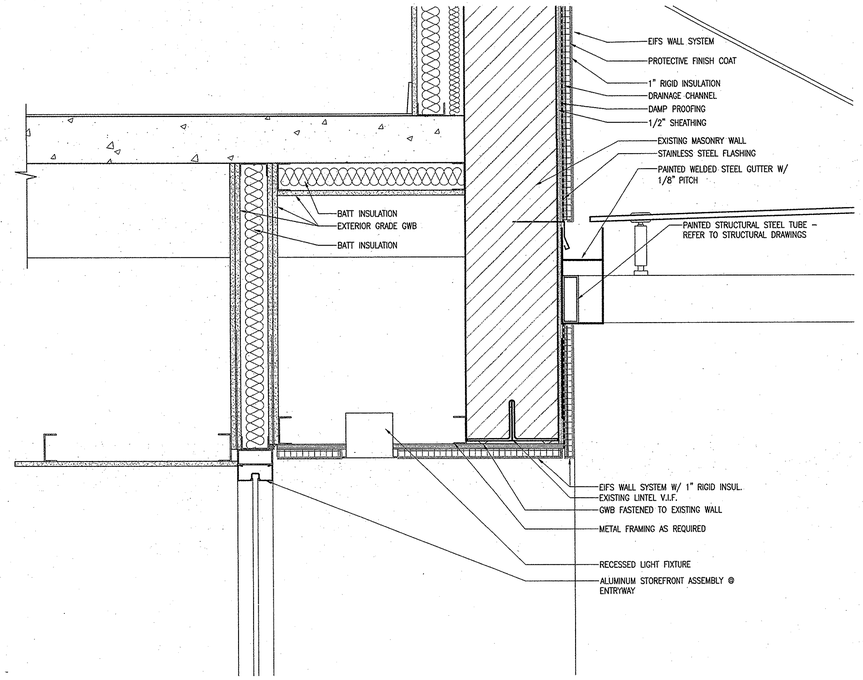


10 ENTRY @ STAIR B

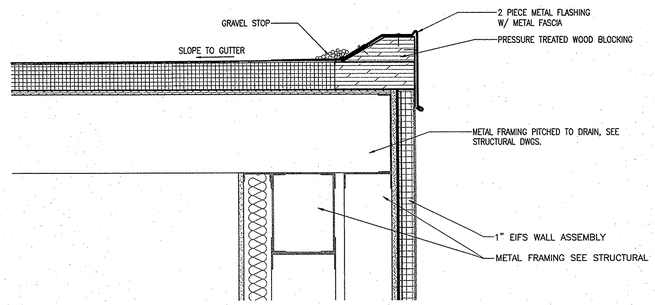


9 CANOPY FRONT

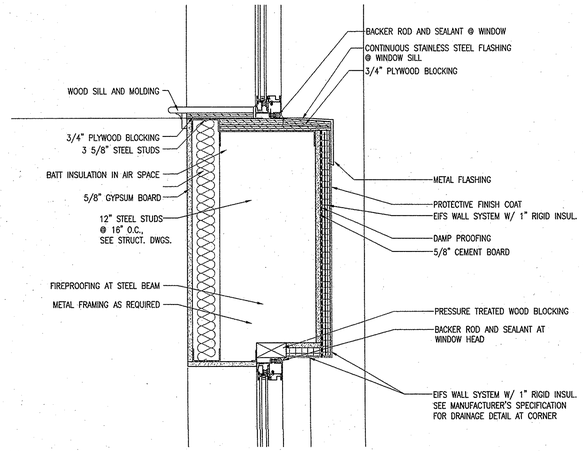


8 CANOPY TROUGH & ENTRY

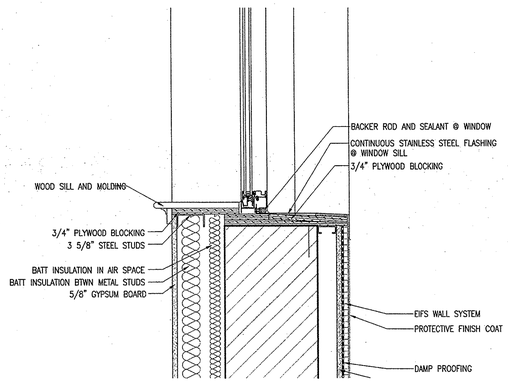
*NOTE–
REPAIR EXISTING LINTELS AS NEEDED AND SCRAPE, PRIME & PAINT – TYP FOR ALL WINDOW OPENINGS



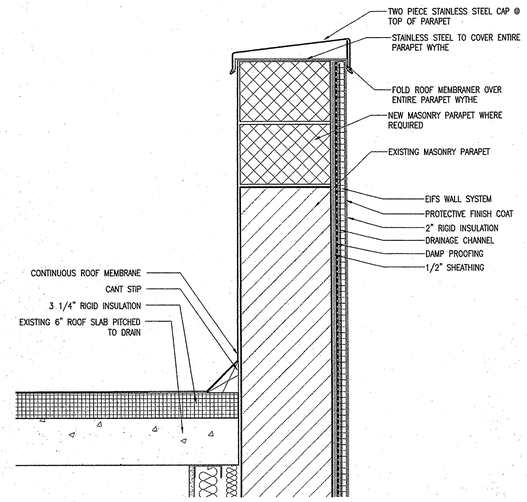
7 PARAPET @ STAIR A



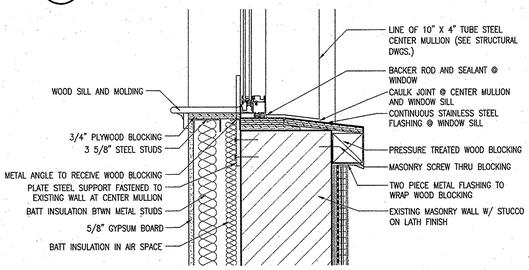
6 TYPICAL STORE FRONT HEADER



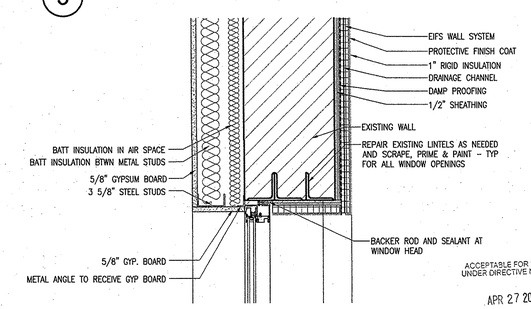
5 STORE FRONT SILL @ STAIR A



4 TYPICAL PARAPET DETAIL



3 TYPICAL WNDW SILL



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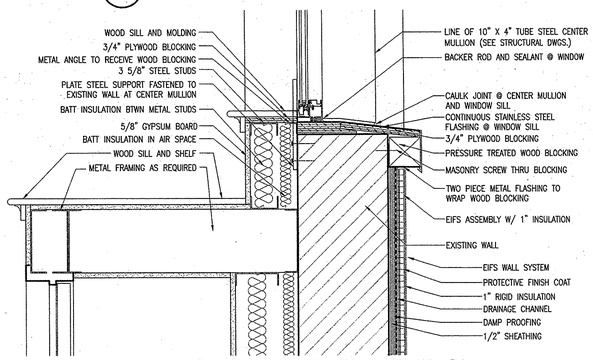
APR 27 2009
AUGUSTO E. JAVIER 210121429

2 TYPICAL WNDW HEAD



1 WNDW SILL @ GAS METER CL.

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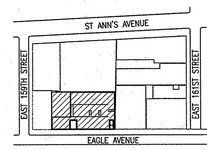

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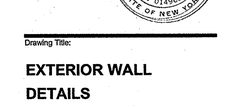
Seal:



Drawing Title:

EXTERIOR WALL DETAILS

Project Number: 07022

Date: Drawing #

Scale: 1 1/2"=1'-0"

Drawn by: CS **A-3.4**

Checked by:

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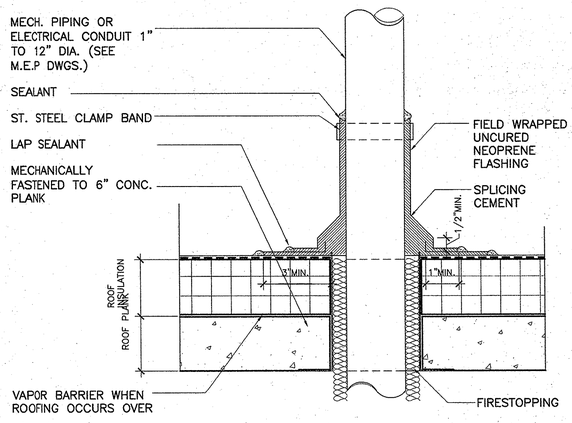
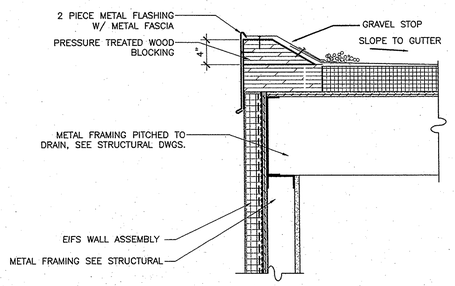
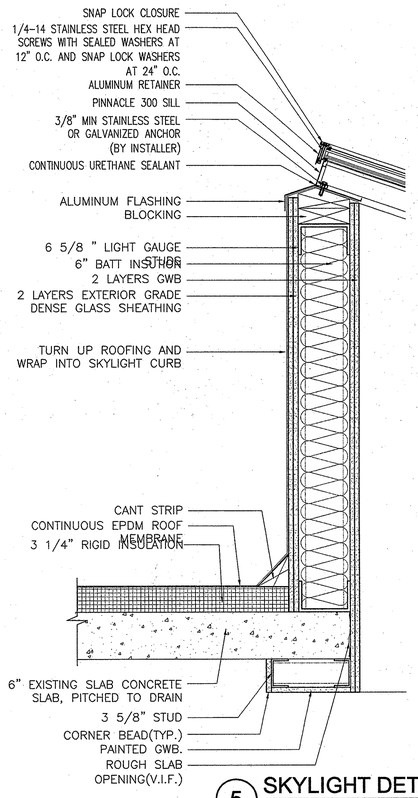


8 INSULATED PIPE PENETRATION
3"=1'-0"

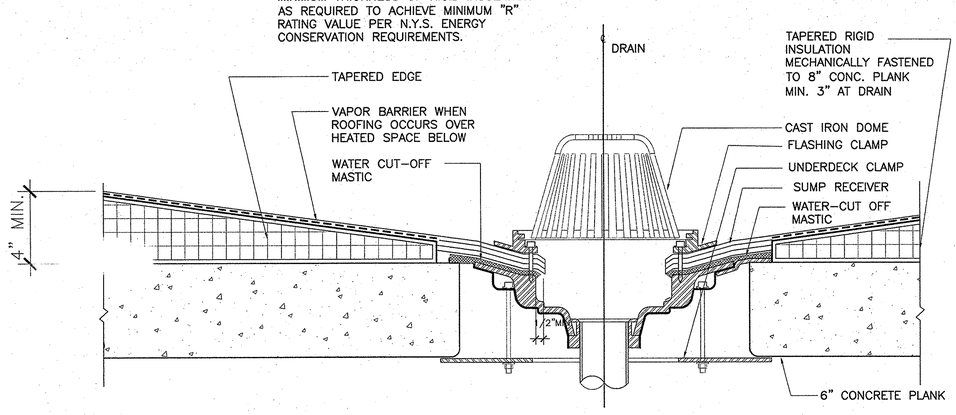


7 ROOF GRAVEL STOP
1 1/2"=1'-0"

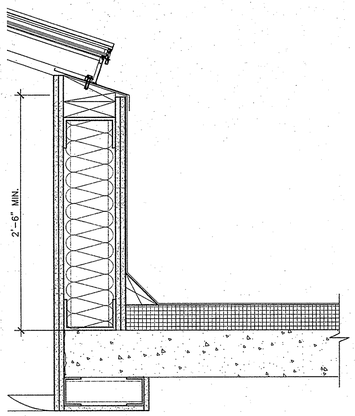


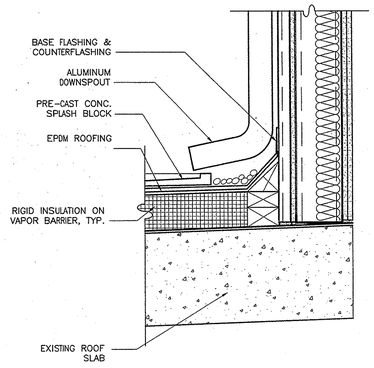
5 SKYLIGHT DETAIL - SINGLE PITCH
SCALE: 1 1/2" = 1'-0"

NOTE:
AT ALL LOW POINTS OF ALL ROOFS: MINIMUM THICKNESS OF RIGID INSULATION AS REQUIRED TO ACHIEVE MINIMUM "R" RATING VALUE PER N.Y.S. ENERGY CONSERVATION REQUIREMENTS.

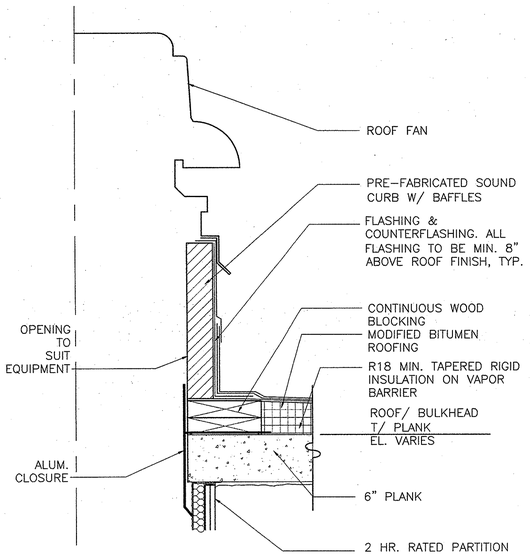


6 ROOF DRAIN TYP
3"=1'-0"

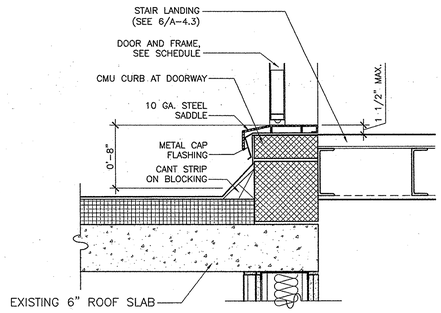




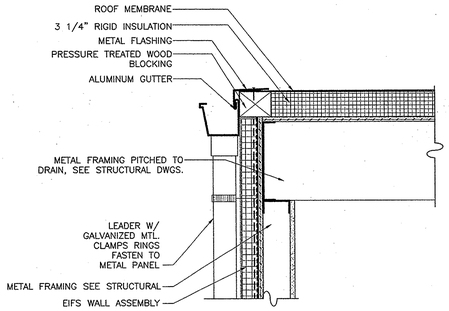
4 DOWN SPOUT & SPLASH BLOCK DET
1 1/2"=1'-0"



3 ROOF FAN CURB DETAIL
1 1/2"=1'-0"



2 SADDLE AT ROOF DOORWAY
1 1/2"=1'-0"



1 ROOF GUTTER & LEADER AT STAIR BULKHEAD
1 1/2"=1'-0"

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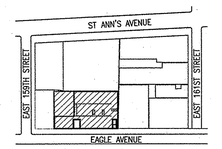

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MISC ROOF DETAILS

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Drawn by: CS/ES **A-3.5**
Checked by:

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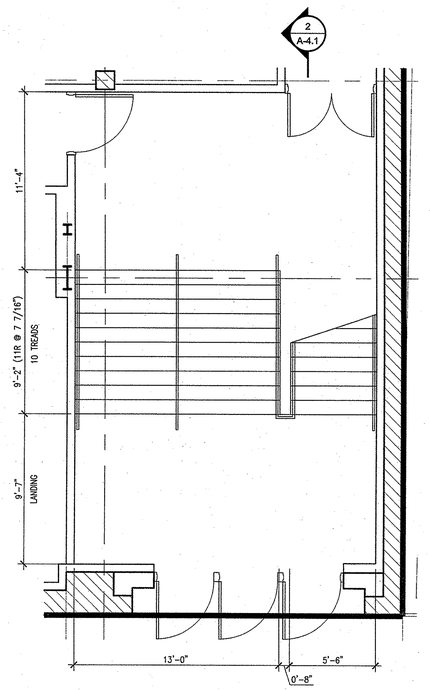
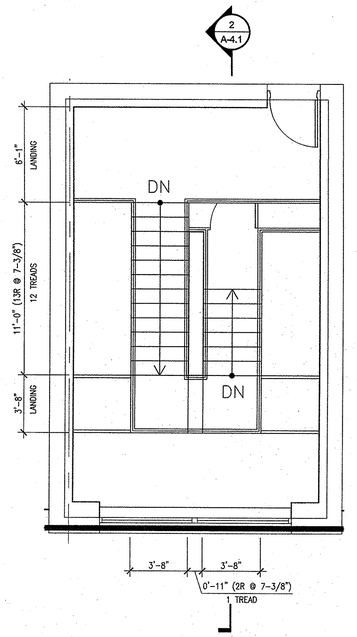
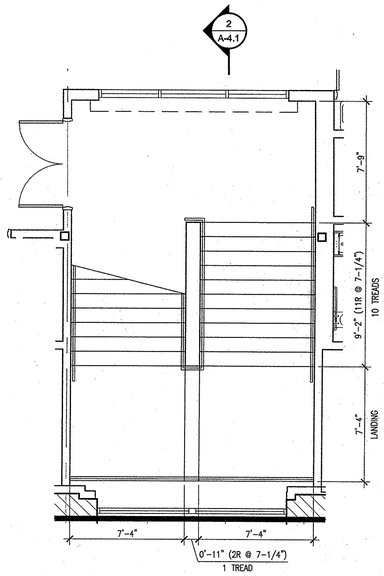


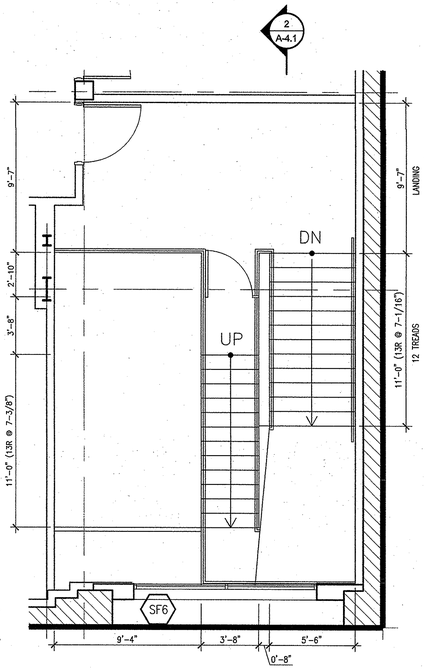
2A STAIR B 1ST FLOOR
14'-6" FLOOR TO FLOOR



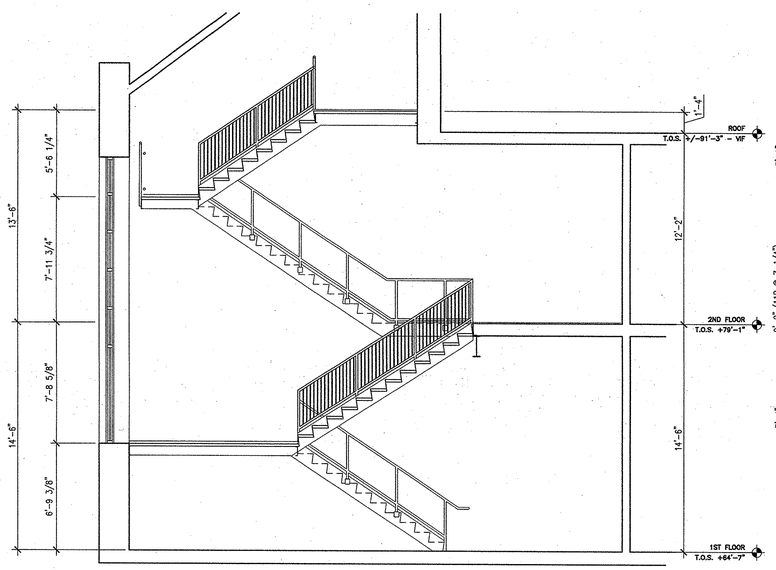
1C STAIR A ROOF



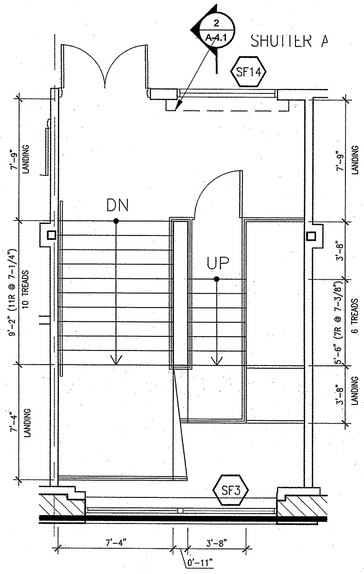
1A STAIR A 1ST FLOOR
14'-6" FLOOR TO FLOOR



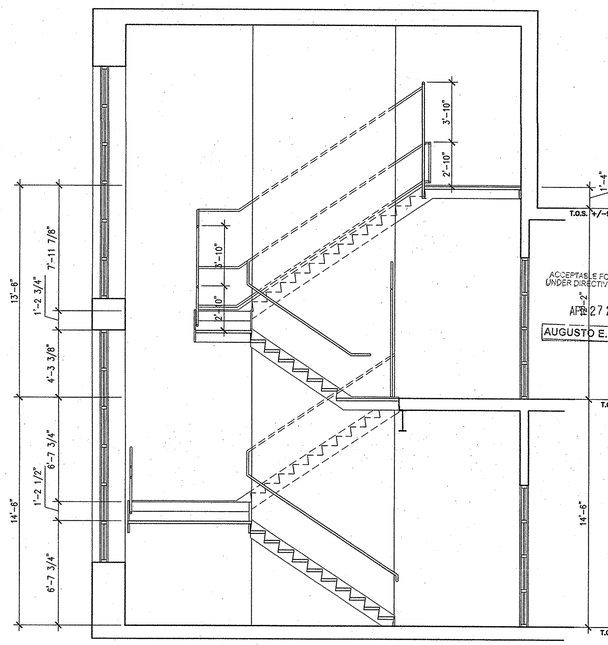
2B STAIR B 2ND FLOOR
13'-6" FLOOR TO FLOOR



2 STAIR B



1B STAIR A 2ND FLOOR
13'-6" FLOOR TO FLOOR



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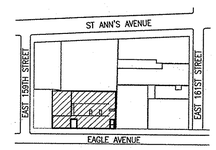

Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 4
5	12.04.08	BULLETIN #1

Revisions:

Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7620 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:

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New York, NY 10001
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Expeditor:

Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

210121429

Do Not Scale Plans
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Seal:

Drawing Title:

STAIR A & B
PLANS AND SECTIONS

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS/ES **A-4.1**

Checked by:

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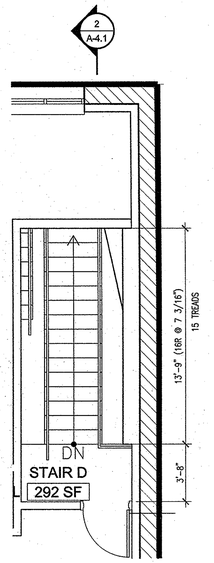
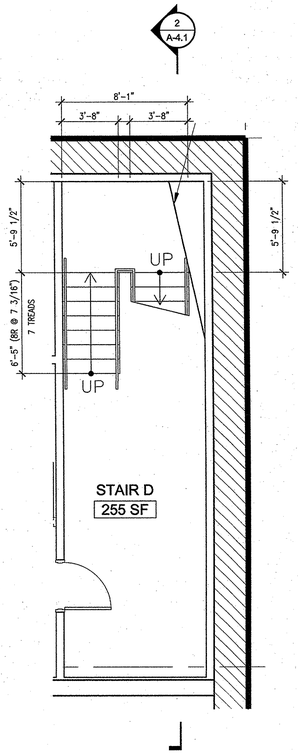
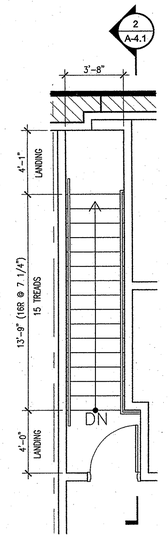


2B STAIR D FIRST FLOOR



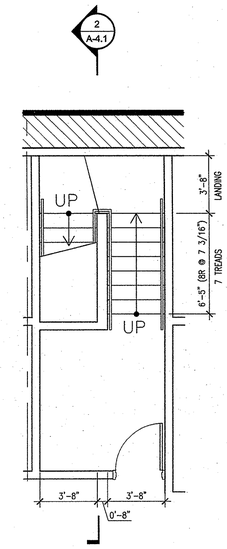
2A STAIR D CELLAR

14'-5" FLOOR TO FLOOR



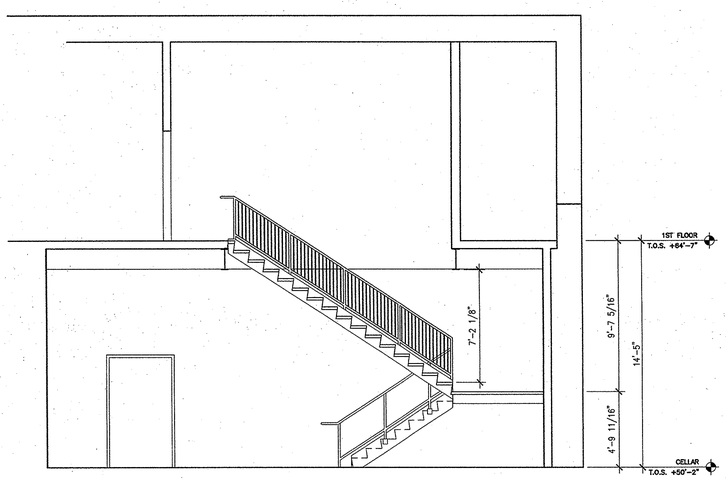
1C STAIR C 2ND FLOOR

13'-6" FLOOR TO FLOOR

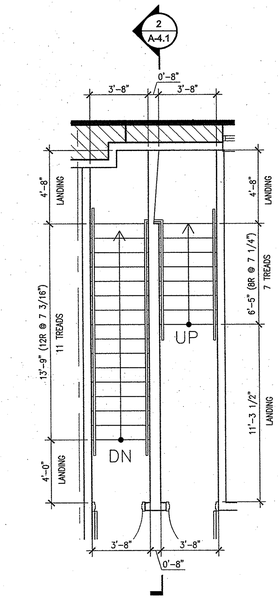


1A STAIR C CELLAR

15'-4" FLOOR TO FLOOR

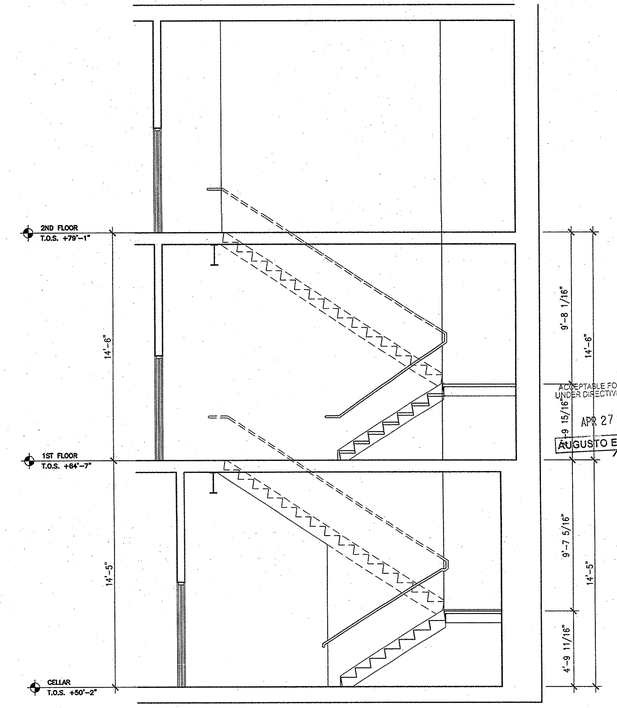


2 STAIR D



1B STAIR C 1ST FLOOR

14'-6" FLOOR TO FLOOR



1 STAIR C

Project Title:

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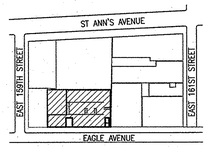
831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Rivreside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



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5	12.04.08	BULLETIN #1

Revisions:

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MAP
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853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
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249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/93
APR 27 2009
AUGUSTO E. JAVIER

210121429

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Seal:

Drawing Title:

STAIR C & D PLANS AND SECTIONS

Project Number: **07022**

Date: Drawing #

Scale: **1/8"=1'-0"**

Drawn by: **CS/ES** **A-4.2**

Checked by:

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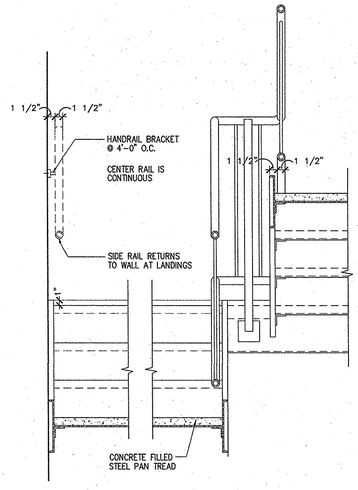
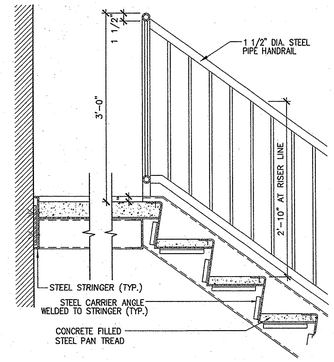
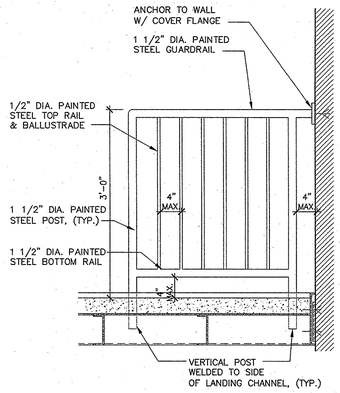


7 CROSS SECTION @ STAIR, TYP.
SCALE: 1" = 1'-0"



6 DETAIL @ TOP LANDING
SCALE: 1" = 1'-0"



5 GUARD RAIL DETAIL
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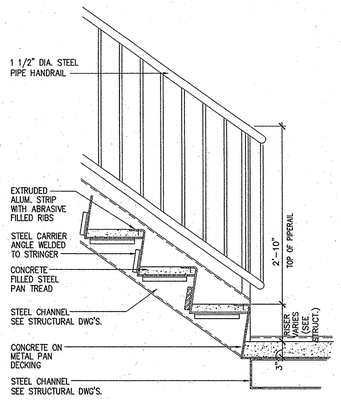

4 DETAIL @ INTERIM LANDING
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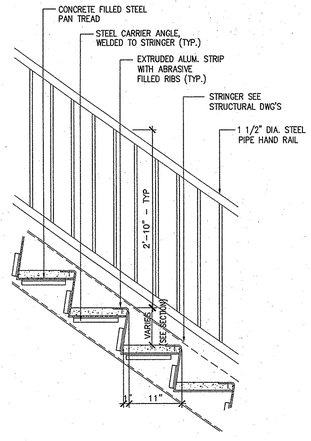
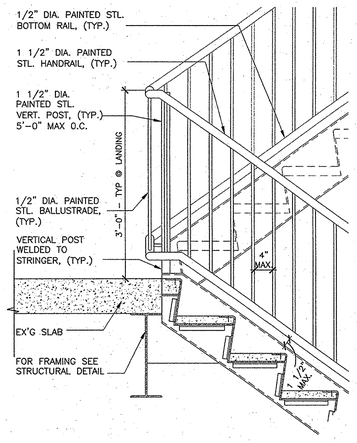
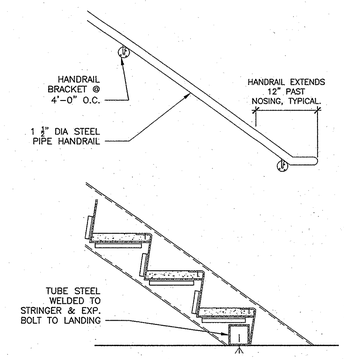


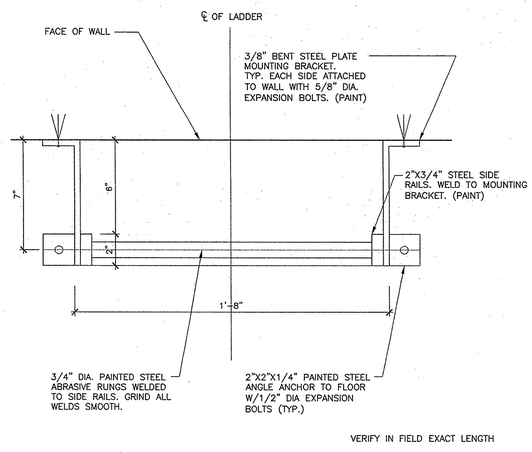
3 DETAIL @ MIDRUN RAILING
SCALE: 1" = 1'-0"



2 RAILING RETURN DETAIL
SCALE: 1" = 1'-0"

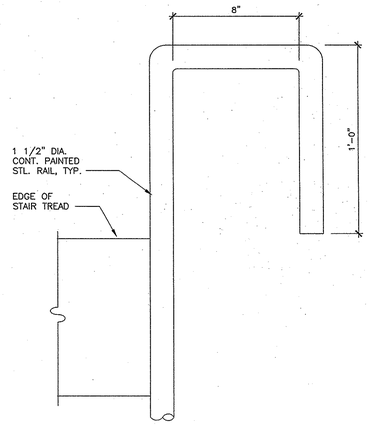


1 DETAIL @ BOTTOM LANDING
SCALE: 1" = 1'-0"



VERIFY IN FIELD EXACT LENGTH

12 RAILING DETAIL
SCALE: 3" = 1'-0"



11 RAILING DETAIL
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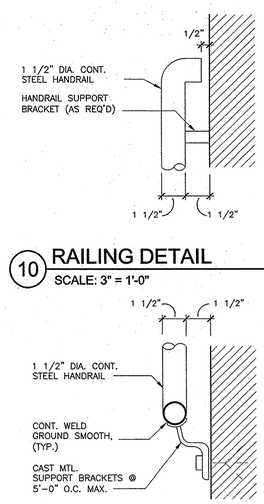
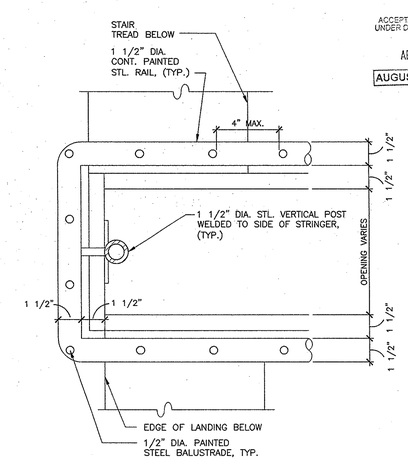


10 RAILING DETAIL
SCALE: 3" = 1'-0"

9 RAILING DETAIL
SCALE: 3" = 1'-0"



8 RAILING DETAIL
SCALE: 3" = 1'-0"

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/73
APR 27 2009
AUGUSTO E. JAVIER

Project Title:

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Clients:

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475 Riverside Drive #1244
New York, NY 10115
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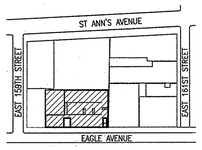

Key Plan:

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NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
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4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:

Nash Associates
Structural Engineers
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Expeditor:

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210121429

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Seal:

Drawing Title:

STAIR DETAILS

Project Number: **07022**

Date: Drawing #

Scale: **1/8"=1'-0"**

Drawn by: **CS/ES** **A-4.3**

Checked by:

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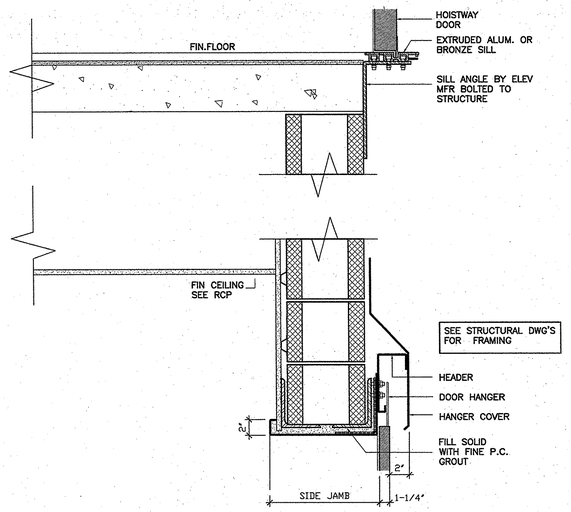
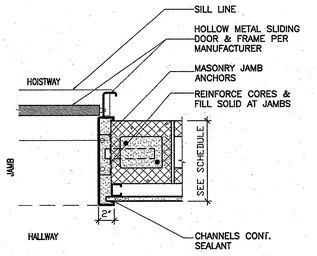


5 HEAD & SILL DETAILS
1 1/2" = 1'-0"



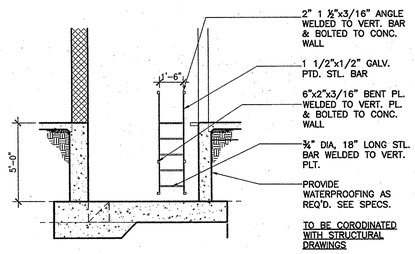
4 ELEV DOOR JAMB
1 1/2" = 1'-0"

ELEVATOR NOTES:

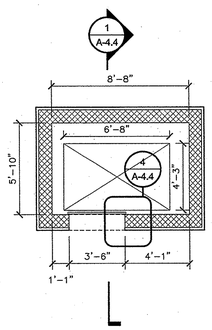
1. REFER TO SPECIFICATIONS FOR BALANCE OF NOTES.

2. PROVIDE SHAFT VENTILATION PER NYC BUILDING CODE / MECH. DWGS.

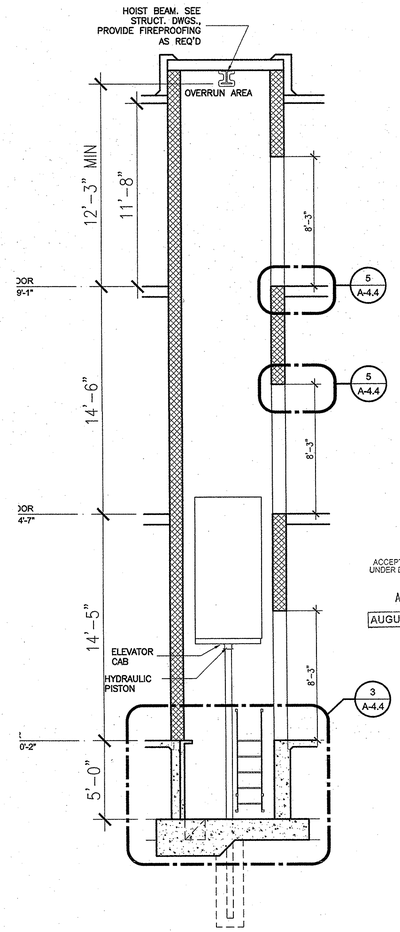
3. 2500# RATED TRACTION ELEVATORS TRAVEL FROM CELLAR TO 2ND FLOOR.



3 PIT SECTION DETAIL
1/4"=1'-0"



2 GROUND FLOOR
1/4"=1'-0"



1 SECTION @ ELEVATOR
1/4"=1'-0"

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/93
APR 27 2009
AUGUSTO E. JAVIER

210121429

Project Title:

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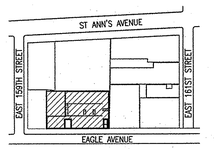

Key Plan: N

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
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5	12.04.08	BULLETIN #1

Revisions:

Architect:

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Expeditor:

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Seal:

Drawing Title:

ELEVATOR DETAILS

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: CS **A-4.4**

Checked by:

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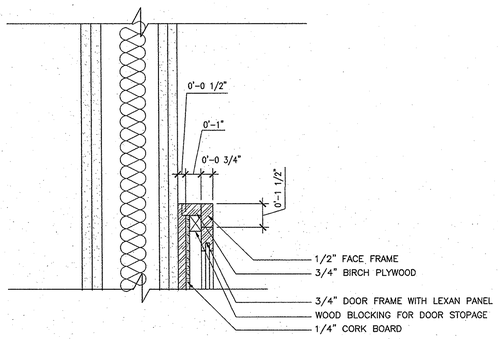
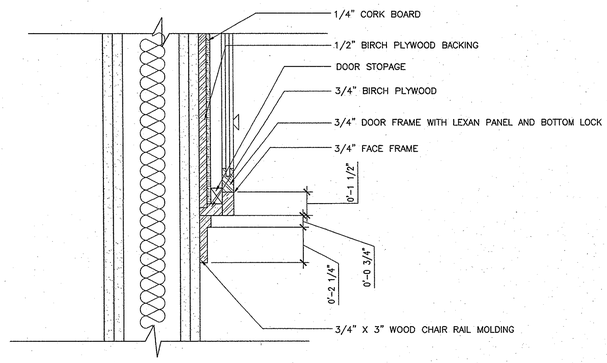


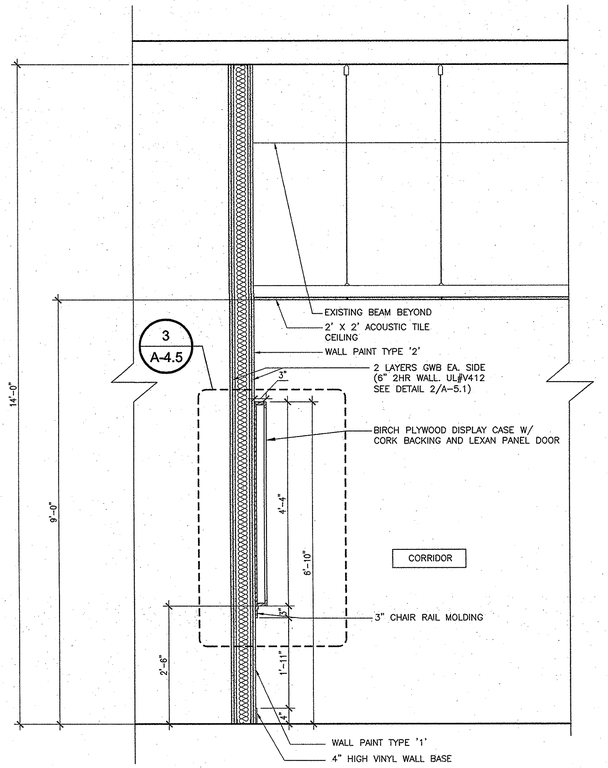
3 DETAIL OF WOOD TRIM AND SIGNAGE BOARD, CONT'D

SCALE: 3" = 1'-0"



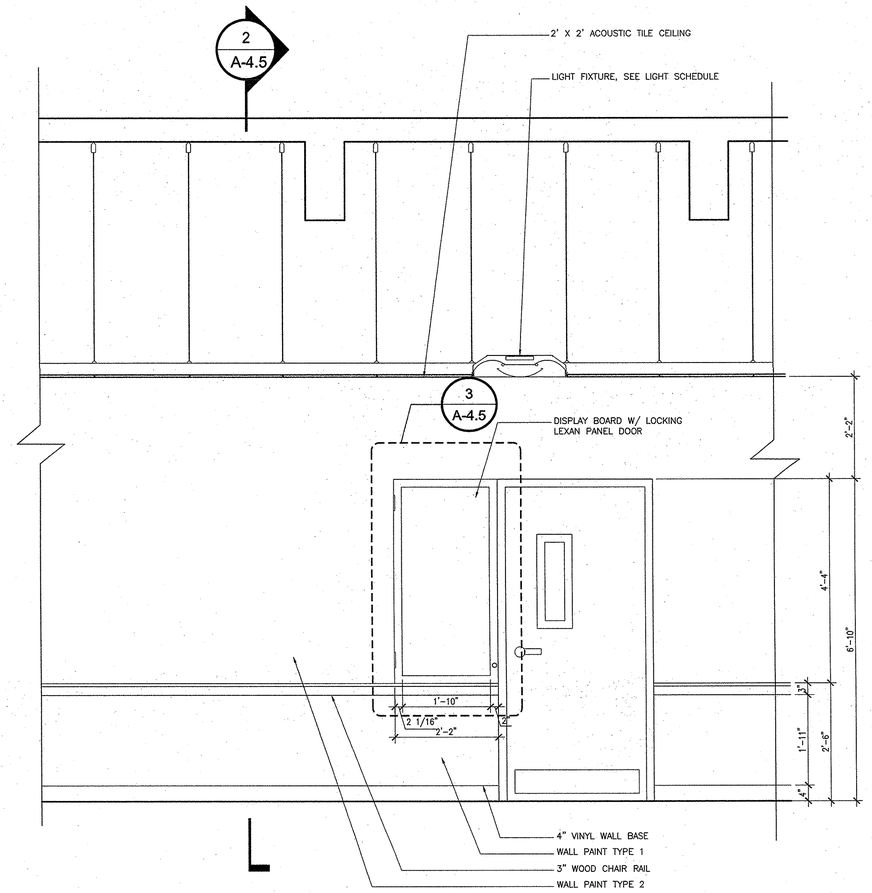
3 DETAIL OF WOOD TRIM AND SIGNAGE BOARD

SCALE: 3" = 1'-0"



2 TYPICAL CORRIDOR SECTION @ CLASSROOM

SCALE: 1/2" = 1'-0"



1 TYPICAL CORRIDOR ELEVATION @ CLASSROOM

SCALE: 1/2" = 1'-0"

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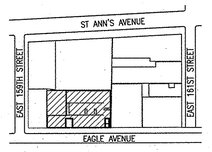

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ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75

APR 27 2009

AUGUSTO E. XAVIER

210121429

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Seal:

REGISTERED ARCHITECT CHRISTINE M. HUNTER NO. 014965 STATE OF NEW YORK

Drawing Title:

INTERIOR ELEVATIONS + DETAILS

Project Number: 07022

Date: Drawing #

Scale: VARIES

Drawn by: CS/ES **A-4.5**

Checked by:

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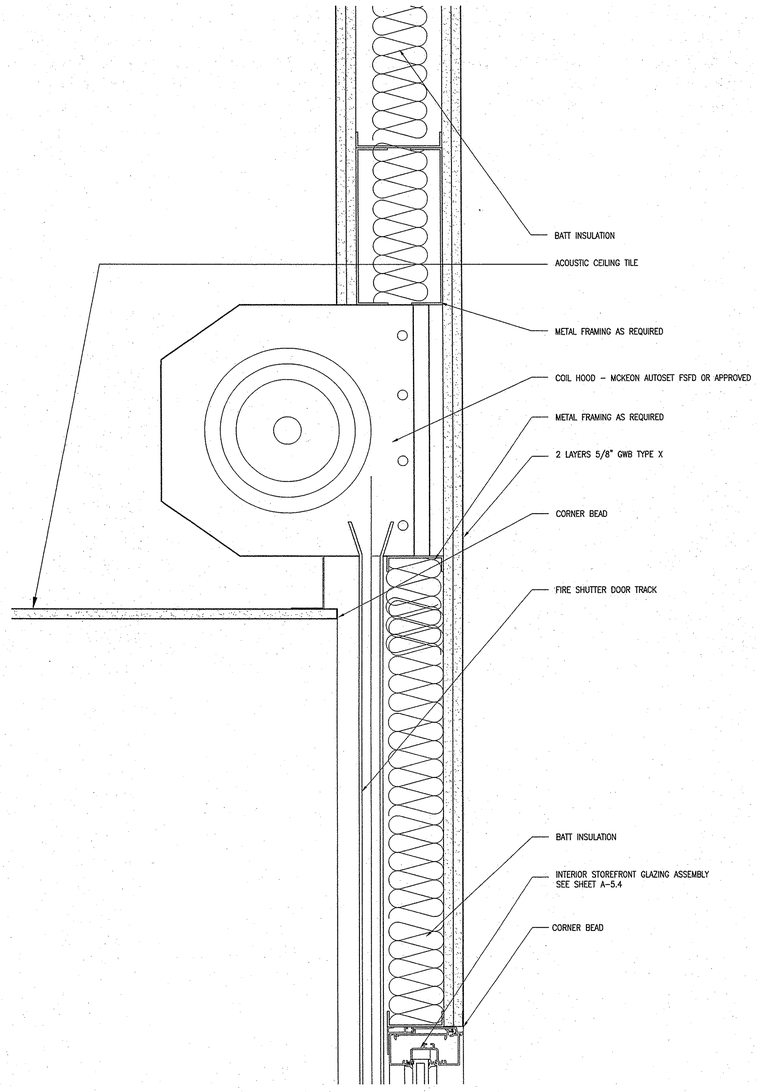
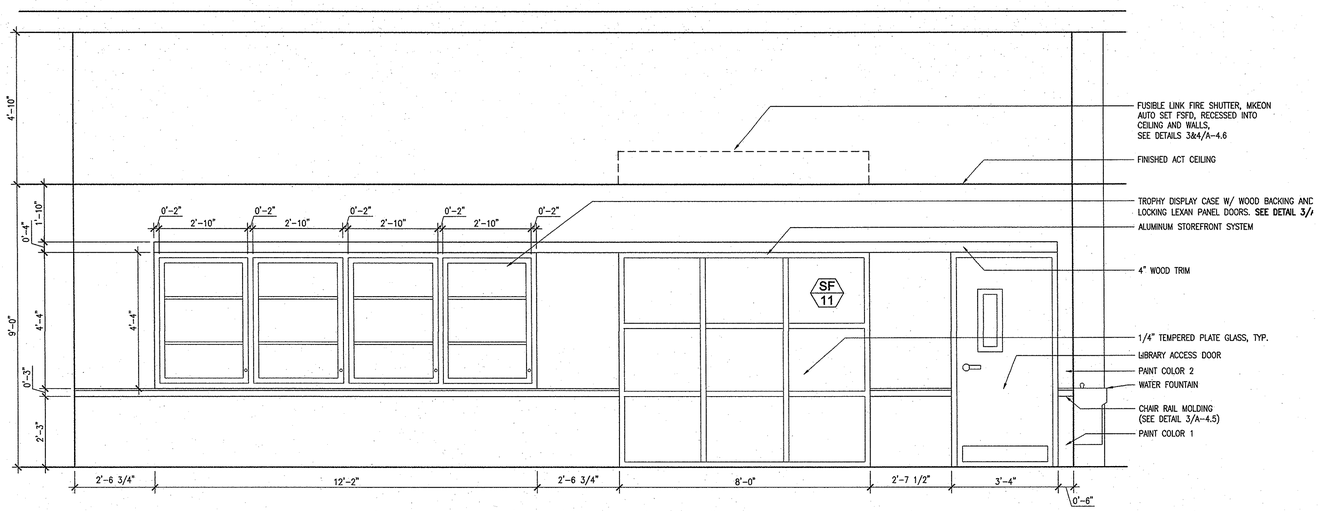
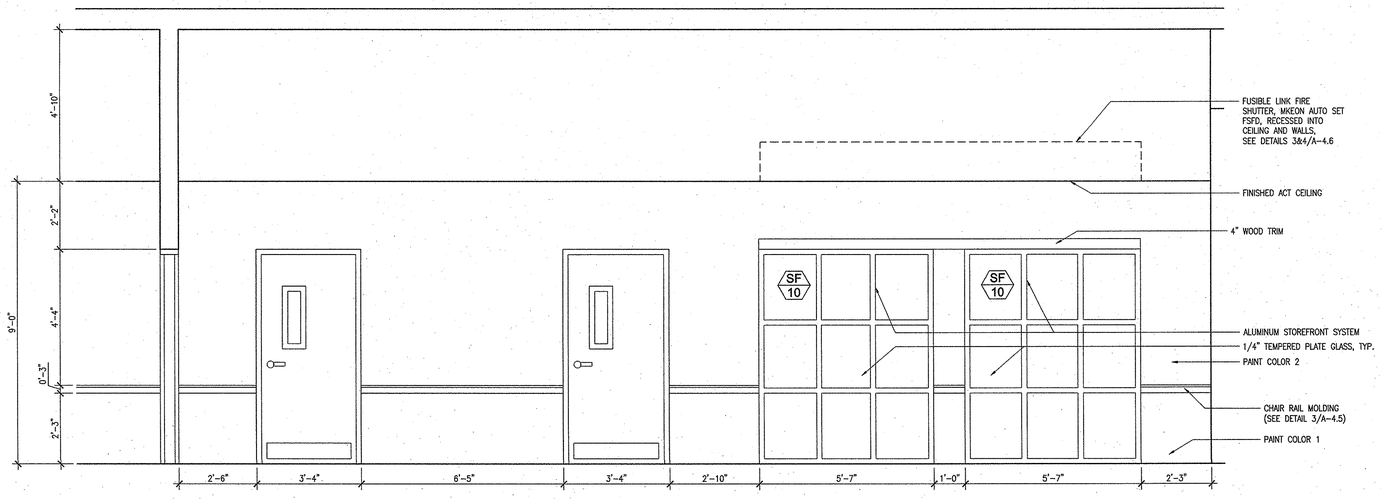


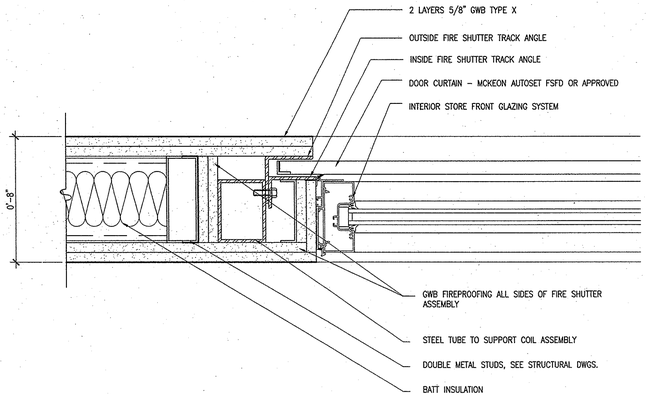
5 FUSIBLE LINK SHUTTER SECTION DETAIL
3" = 1'



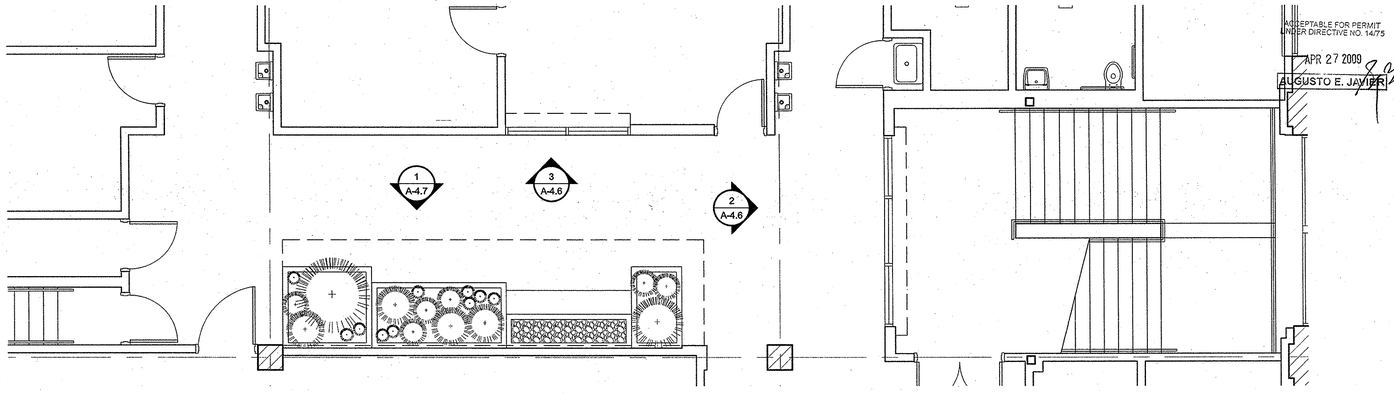
3 LIBRARY WALL ELEVATION
1/2" = 1'



2 WALL ELEVATION @ STAIR A
1/2" = 1'



4 FUSIBLE LINK SHUTTER PLAN DETAIL
3" = 1'



1 KEY PLAN @ LIBRARY CORRIDOR
1/4" = 1'

Project Title:

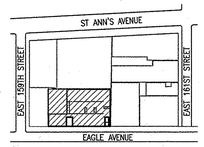
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Rivreside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan: N

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NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 4
5	12.04.08	BULLETIN #1

Revisions:

Architect:
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1092 Fax: (212) 239-6412

Expeditor:
Upright Expeditors
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

Do Not Scale Plans
Contractor to promptly notify Architect of any materiel variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

REGISTERED ARCHITECT CHRISTINE M. HUNTER NO. 014960 STATE OF NEW YORK

Drawing Title:

INTERIOR ELEVATIONS, SECTIONS + DETAILS

Project Number: 07022

Date: Drawing #

Scale: VARIES

Drawn by: CS/ES **A-4.6**

Checked by:

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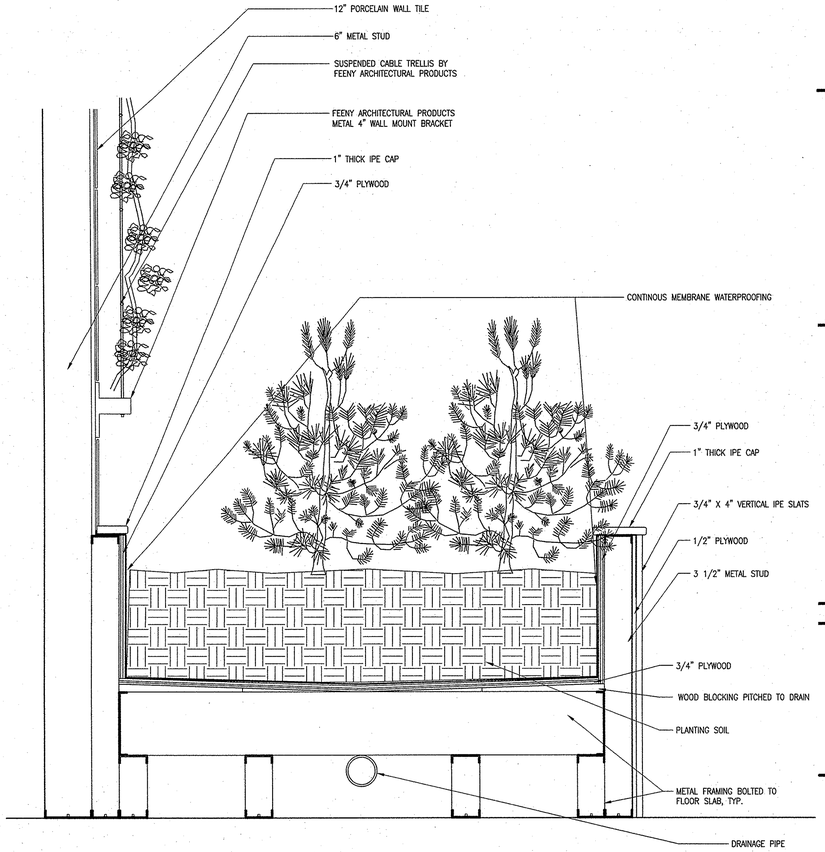
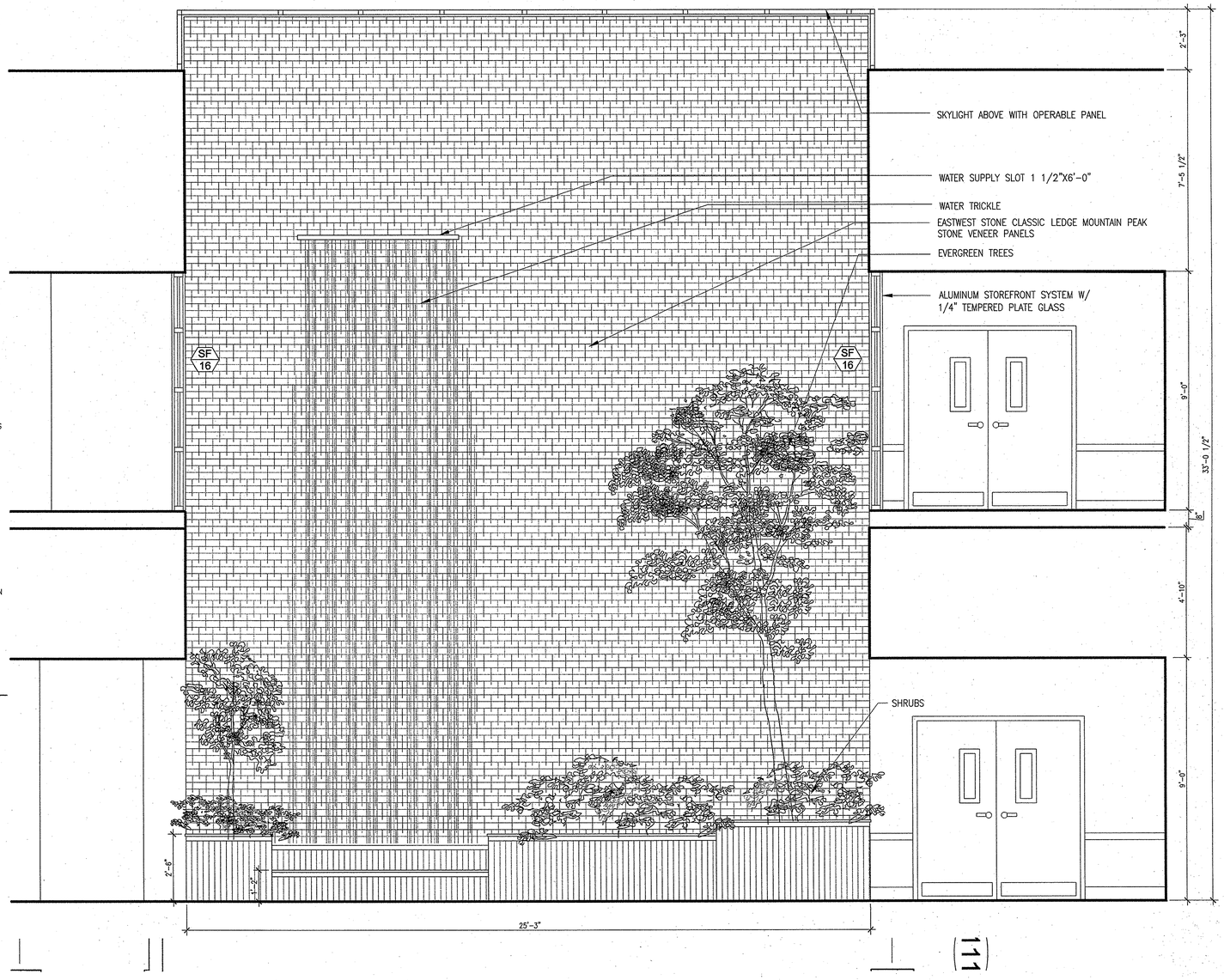
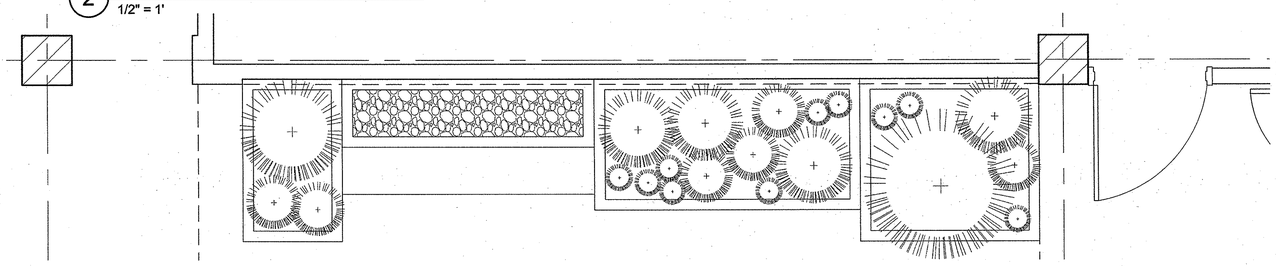


3 SECTION THRU PLANTER
1 1/2" = 1'



2 FEATURE WALL ELEVATION
1/2" = 1'



1 PLANTER PLAN @ FEATURE WALL
1/2" = 1'

Project Title:

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831 Eagle Avenue
Block 2619 Lot 27
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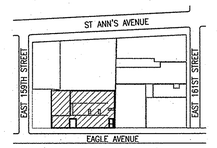

Key Plan: N

Issued:

NUMBER	DATE	DESCRIPTION
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Architect:
MAP
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
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Structural Engineer:
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51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expediters

249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. JAVIER
210121429

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Seal:
CHRISTINE M. HUNTER REGISTERED ARCHITECT No. 014965 STATE OF NEW YORK

Drawing Title:

FEATURE WALL PLAN, ELEVATION, AND SECTIOI

Project Number: 07022

Date: Drawing #

Scale: VARIES

Drawn by: A-4.7

Checked by:

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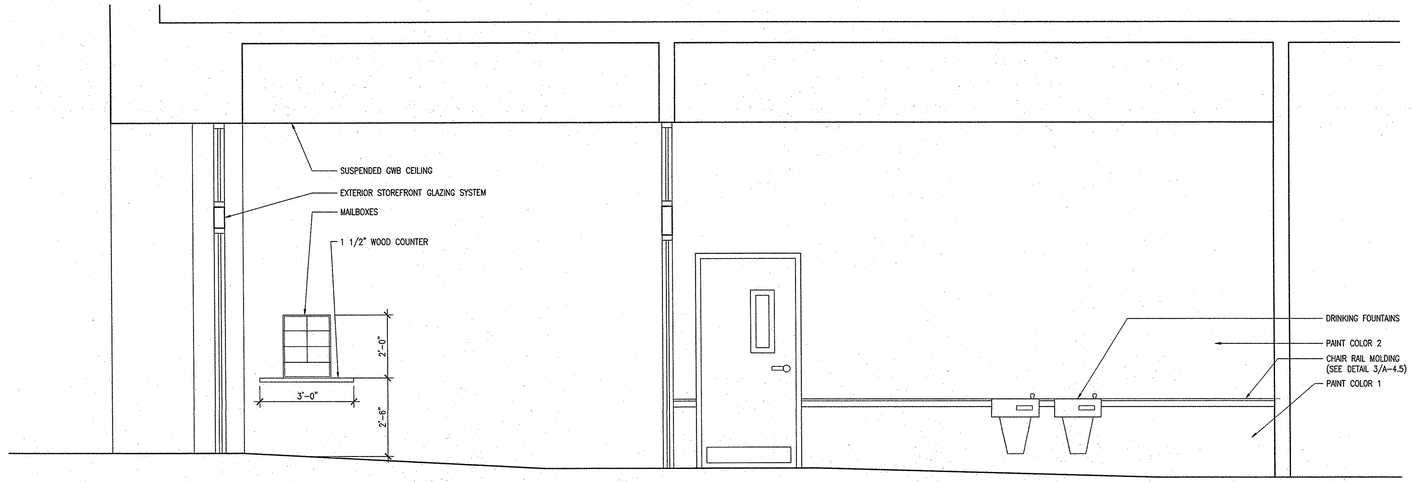
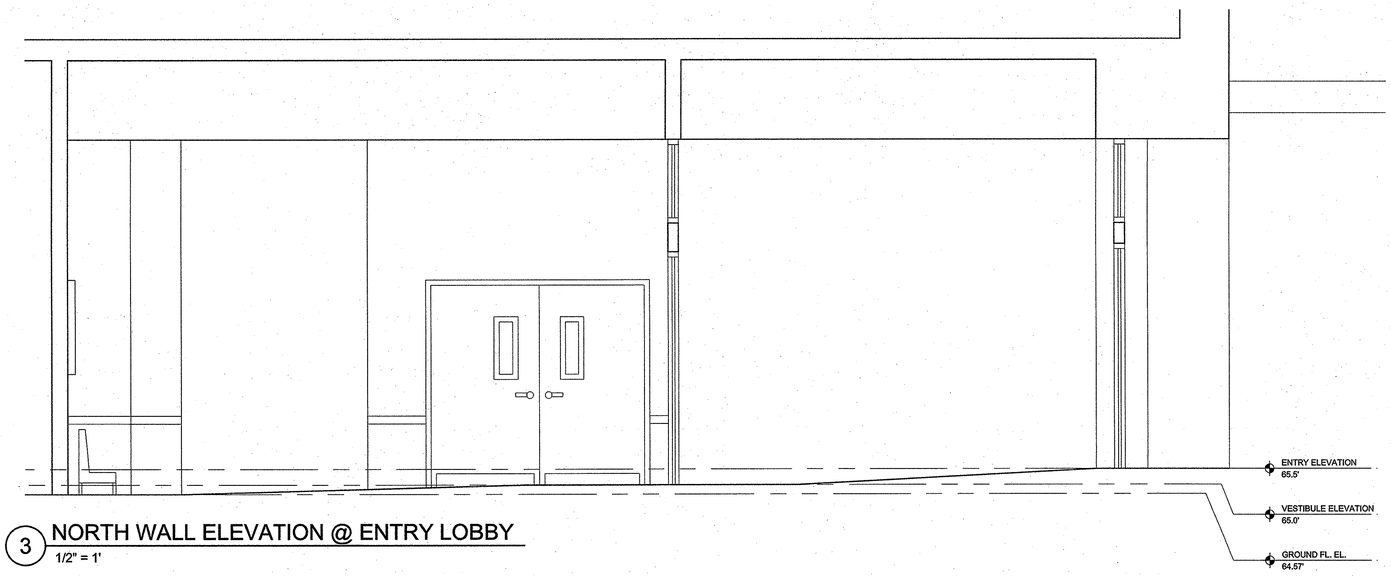


4 SOUTH WALL ELEVATION @ ENTRY LOBBY
1/2" = 1'



3 NORTH WALL ELEVATION @ ENTRY LOBBY
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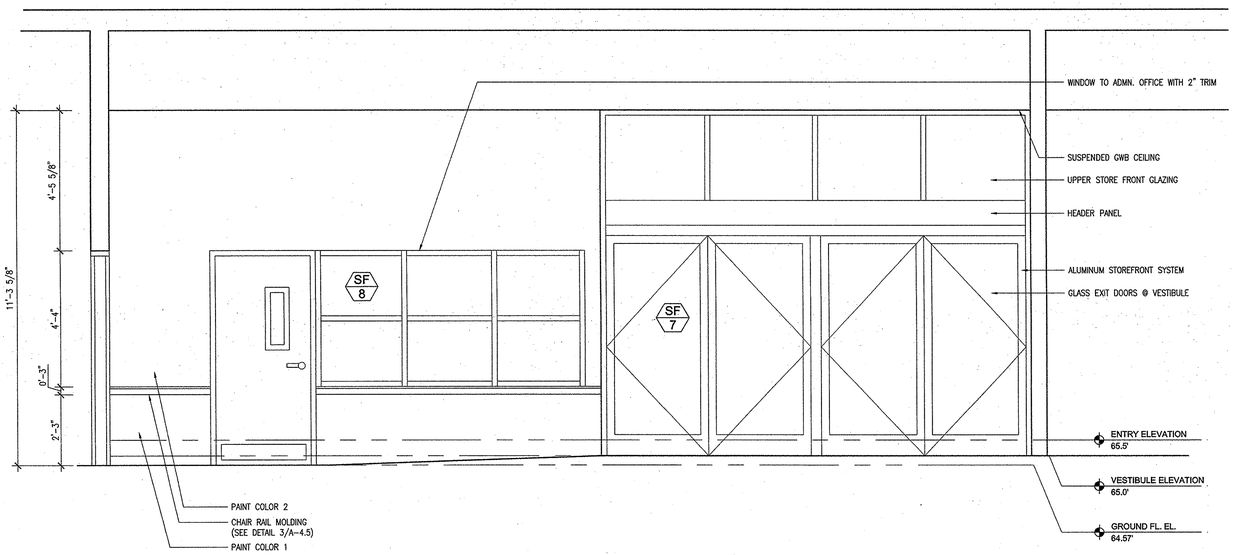
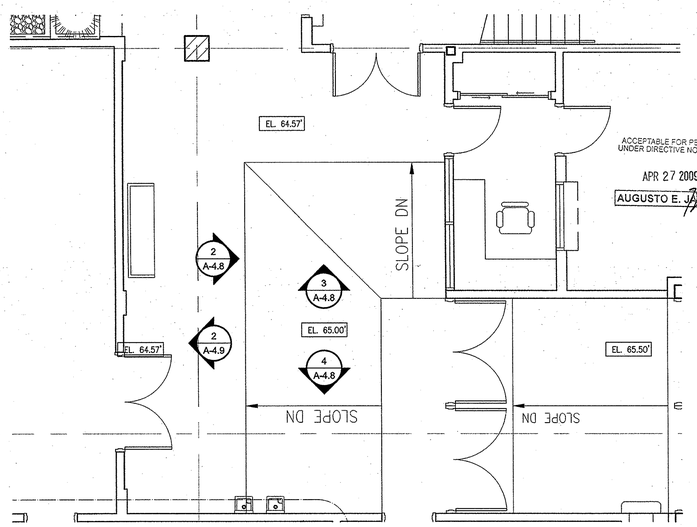


2 WALL ELEVATION @ ENTRY
1/2" = 1'



1 LOBBY KEY PLAN
1/4" = 1'

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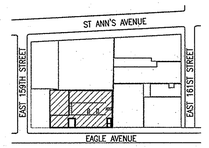

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Architect:

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553 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
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Structural Engineer:

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214 West 29th Street
New York, NY 10001
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Expeditor:

Upright Expeditors
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Tel: 516-676-2110

2101214429

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. JAVIER

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

REGISTERED ARCHITECT CHRISTINE M. SUNYOG No. 014965 STATE OF NEW YORK

Drawing Title:

LOBBY WALL ELEVATIONS

Project Number: 07022

Date:

Drawing #

Scale: VARIES

Drawn by:

A-4.8

Checked by:

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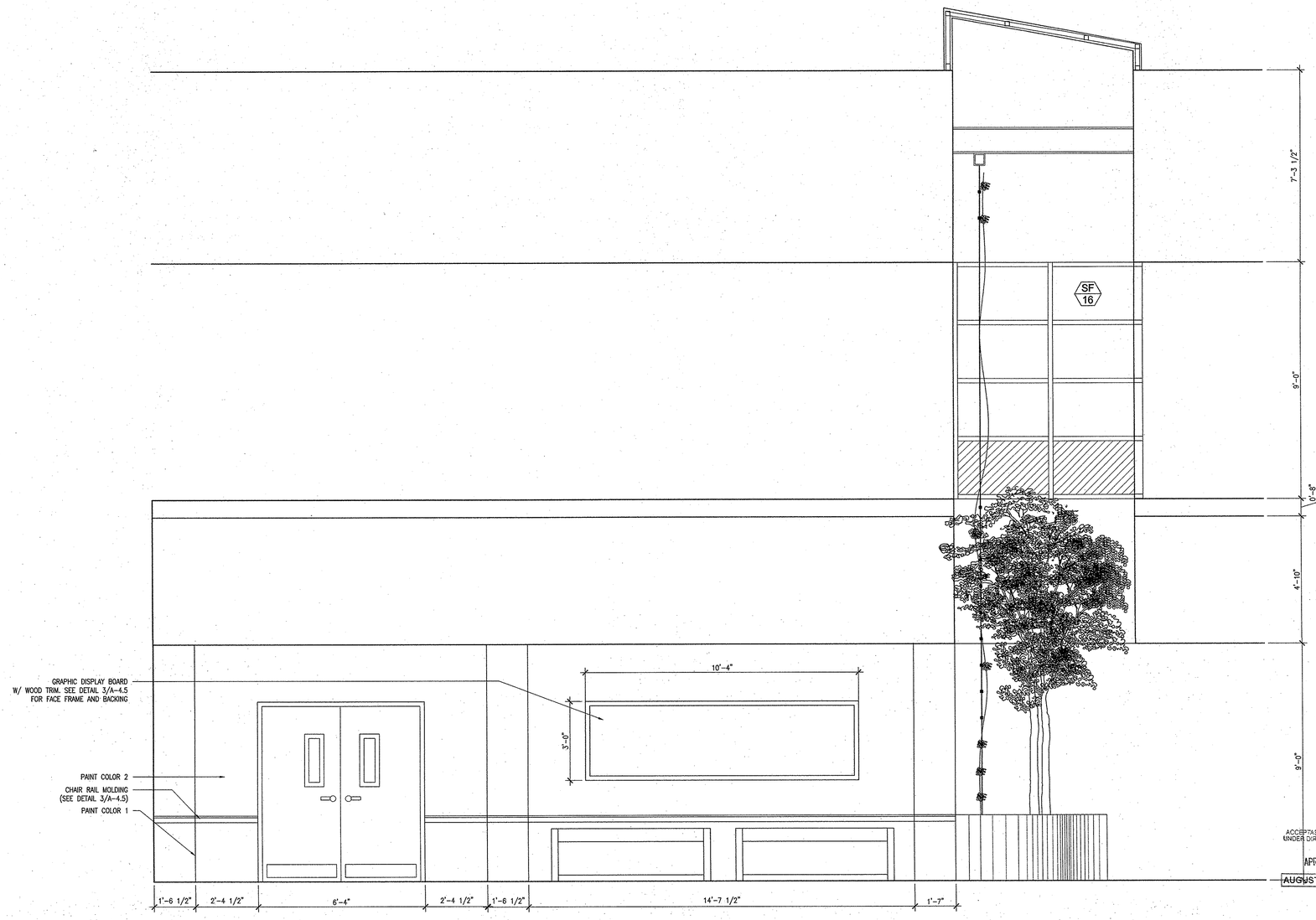

1 WEST WALL ELEVATION @ ENTRY LOBBY
1/2" = 1'

ACCEPTABLE FOR PERMIT
UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. JAVIER

Project Title:

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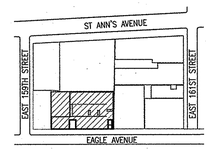

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Revisions:

Architect:
MAP
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates
Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

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Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expediters

249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

210121429

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Seal:

Drawing Title:

LOBBY WALL ELEVATION

Project Number: 07022

Date: Drawing #

Scale: VARIES

Drawn by: A-4.9

Checked by:

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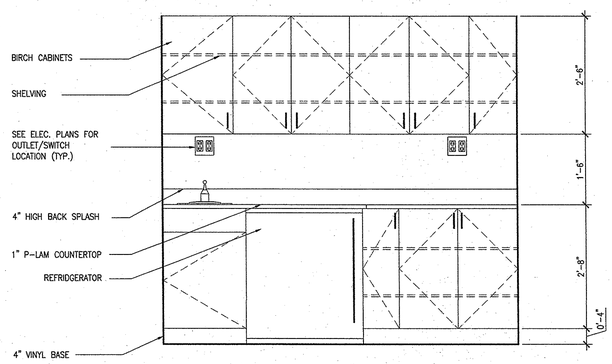
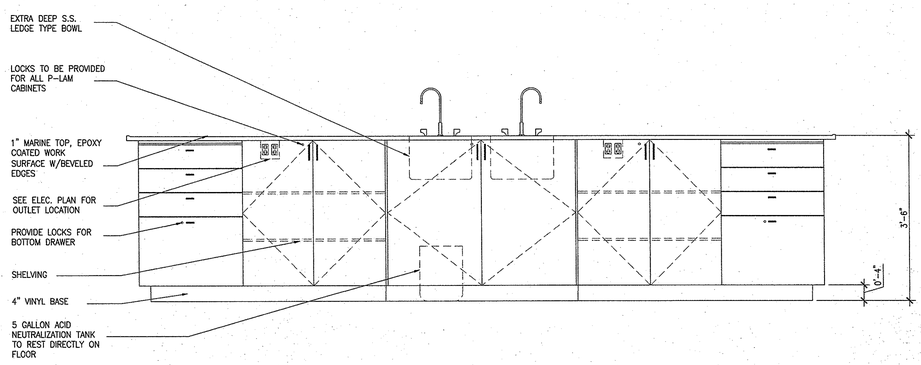
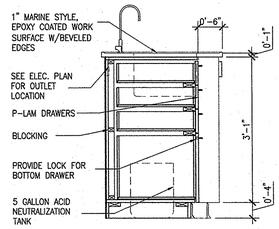


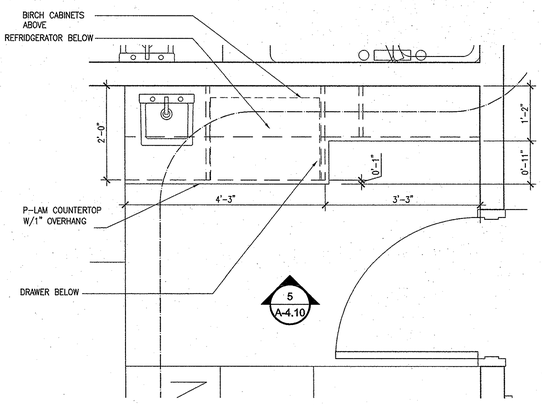
5 ELEVATION @ TEACHER PREP AREA
3/4" = 1'



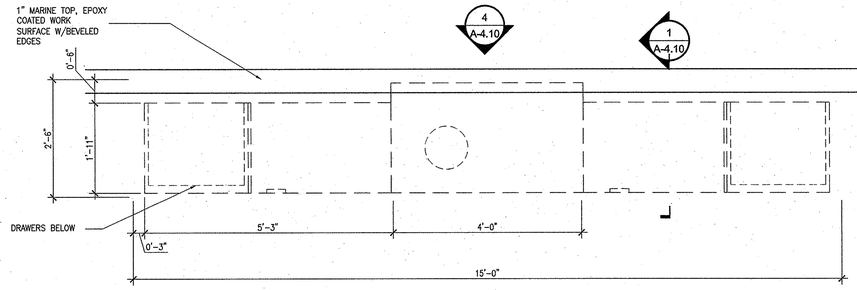
ADD. ALT. #3:
4 ELEVATION @ TYP. STUDENT WORKSPACE IN SCIENCE RM.
3/4" = 1'



ADD. ALT. #3:
1 SECTION THROUGH WORKSPACE
3/4" = 1'



6 PLAN @ TEACHER PREP AREA
3/4" = 1'



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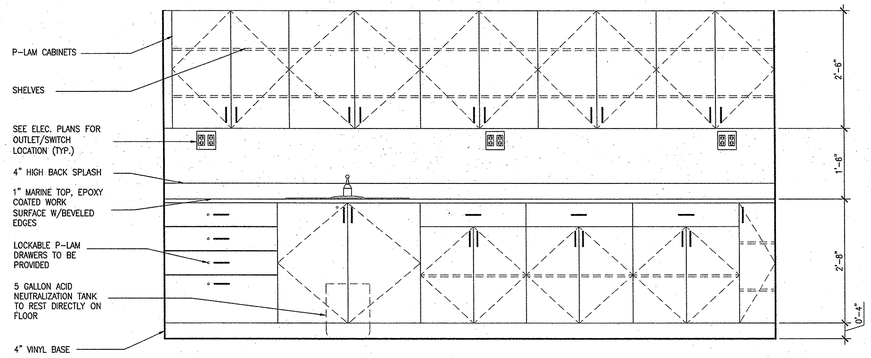
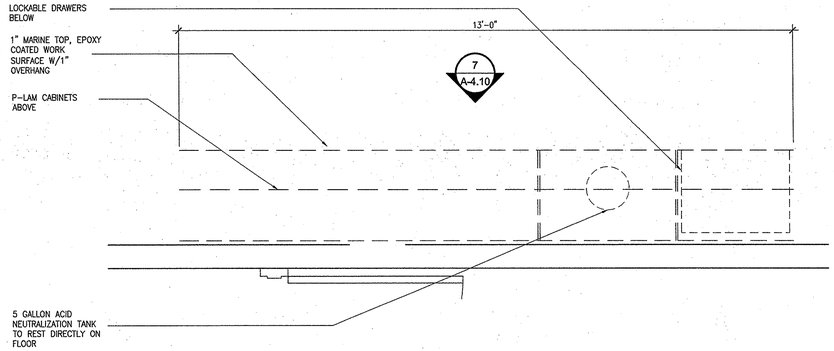
3 PLAN @ TYP. STUDENT WORKSPACE IN SCIENCE RM
3/4" = 1'



ADD. ALT. #3:
7 ELEVATION @ TEACHER PREP AREA
3/4" = 1'



ADD. ALT. #3:
2 PLAN @ TEACHER PREP AREA IN SCIENCE RM
3/4" = 1'

Project Title:

The New LIFE Secondary School

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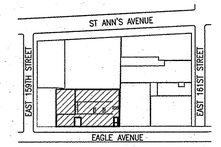

Key Plan: N

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Revisions:

Architect:
MAP
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853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
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Structural Engineer:
Nash Associates Structural Engineers
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210121429

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. JAMES

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Seal:
REGISTERED ARCHITECT
CHRISTINE M. THUMER
NO. 014905
STATE OF NEW YORK

Drawing Title:

MILLWORK ELEVATIONS, PLANS AND SECTIONS

Project Number: 07022
Date: Drawing #
Scale: VARIES
Drawn by:
Checked by:

A-4.10

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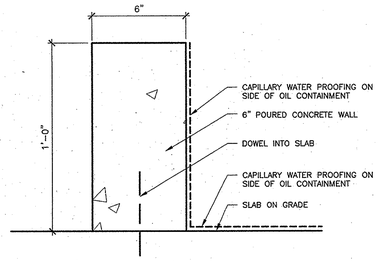
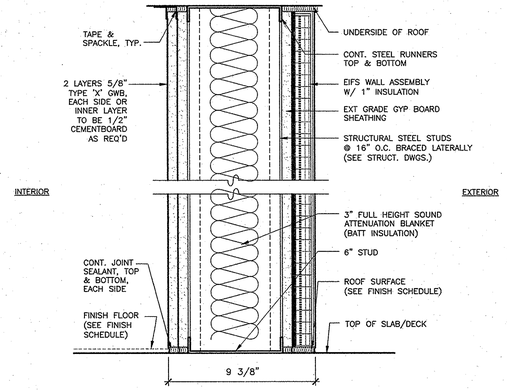
INTERIOR PARTITION NOTES:

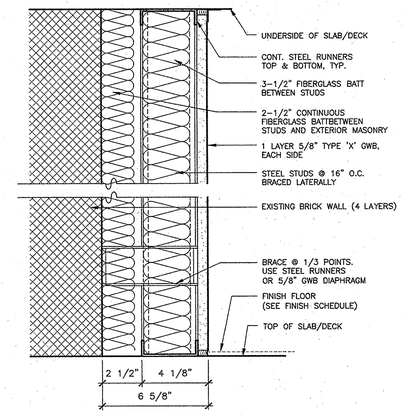
1. ALL PARTITIONS TO BE TYPE 1 UNLESS OTHERWISE NOTED.
2. FIRE-RATED PARTITIONS ARE IDENTIFIED ON FLOOR PLANS (SEE APPROPRIATE LEGENDS).
3. FIRE OR SMOKE RATED PARTITIONS SHALL BE CONTINUOUS FROM FLOOR PLANK TO UNDERSIDE OF STRUCTURE ABOVE.
4. ALL OPENINGS (DOORS) AND PENETRATIONS (DUCTS, PIPES) SHALL BE RATED TO MAINTAIN THAT PARTITION'S RATING.
5. FIRE OR SMOKE RATED PARTITIONS SHALL BE UL LABELED OR HAVE THE APPROPRIATE MEA OR BSA NUMBER, AND SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS.
6. ALL GWB FIRECODE 'X' TO COMPLY W/ ASTM C-36.
7. AT FIRE-RATED WALLS WHERE AN STC RATING IS REQUIRED, APPLY FIRESTOP SEALANT PRIOR TO ACOUSTICAL SEALANT.
8. WALL BOARD TO BE MOISTURE RESISTANT AND CEMENTITIOUS BACKER BOARDS AT ALL CERAMIC WALL TILE. PROVIDE 5/8" BACKER BOARD AT THREE WALL SURROUNDING BATHTUB FULL HEIGHT.
9. OUTER LAYER OF GWB TO BE WATER RESISTANT @ BATHROOMS, KITCHENS & JANITOR'S CLOSETS OR WHERE WATER IS USED.
10. SPACE STL STUDS 12" O.C. @ KITCHEN CABINET LOCATIONS AND PROVIDE BLOCKING OR STEEL PLATE FOR BASE & WALL CABINETS AS REQ'D .
11. AT NON-BEARING CMU, PROVIDE CONT. 1/2" THICK PRE-MOLDED COMPRESSIBLE FILLER UNDERNEATH PLANK (1" NARROWER THAN CMU WIDTH).
12. PROVIDE SEALANT AND BACKER ROD AT ALL SOFT JOINTS.



7 DYKE FOR FUEL OIL CONTAINMENT
SCALE: 3" = 1'-0"



6 6" STEEL STUD W/ EIFS
SCALE: 3" = 1'-0"



5 2-1/2" STEEL STUD - NO RATING
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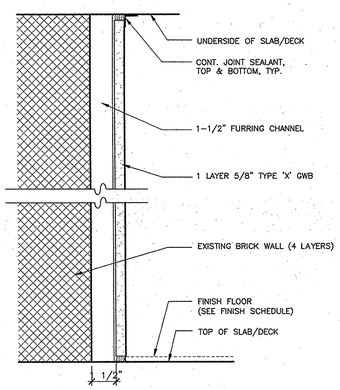

4 1-1/2" FURRING CHANNEL - 2HR. RATING
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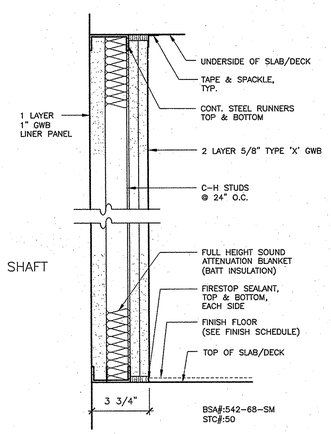
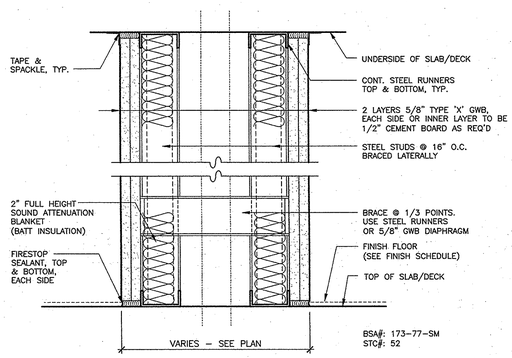


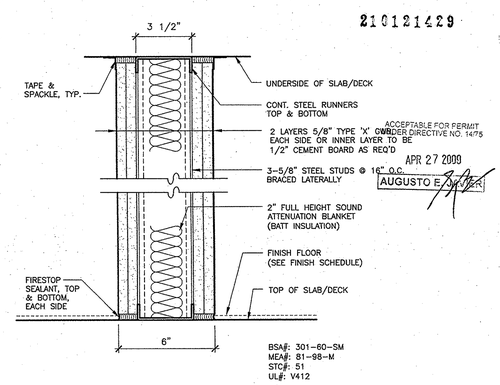
3 1 1/2" C-H STUD - 2HR. RATING
SCALE: 3" = 1'-0"



2 2 1/2" STEEL STUD - 2HR. RATING
SCALE: 3" = 1'-0"

2A 2 1/2" STEEL STUD - 1HR. RATING
SCALE: 3" = 1'-0"

2B 2 1/2" STEEL STUD - NO RATING
SCALE: 3" = 1'-0"



1 3-1/2" STEEL STUD - 2HR. RATING
SCALE: 3" = 1'-0"

1A 3-1/2" STEEL STUD - 1HR. RATING
SCALE: 3" = 1'-0"

1B 3-1/2" STEEL STUD - NO RATING
SCALE: 3" = 1'-0"

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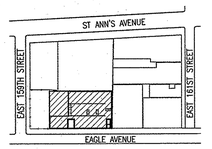
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates
Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 568-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expediters

249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

210121429

210121429

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

Drawing Title:

PARTITION TYPES AND DETAILS

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS/ES **A-5.1**

Checked by:

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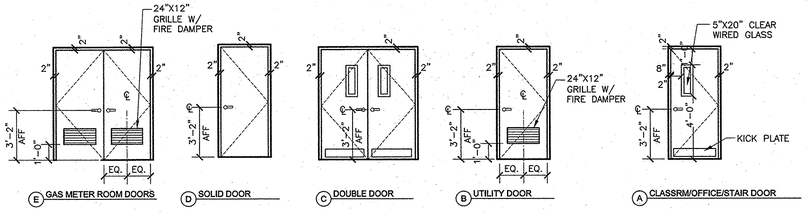
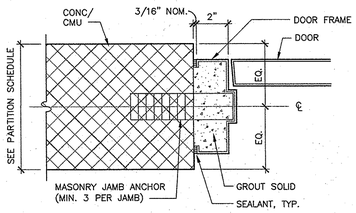
MATERIAL ABBREVIATIONS:

HM	HOLLOW METAL
ALUM	ALUMINUM
M	MASONITE
MDF	MEDIUM DENSITY FIBERBOARD

NOTES:

1. ARCHITECT TO SELECT COLOR FOR DOOR AND FRAMES
2. PROVIDE FULL WEATHER-STRIPPING AT ALL EXTERIOR DOORS
3. PROVIDE SELF-CLOSING HARDWARE AT ALL RATED DOORS
4. ALL GLASS IN DOORS TO BE 1/4" TEMPERED WIRE GLASS





F2 FRAME TYPE AT MASONRY OPENING
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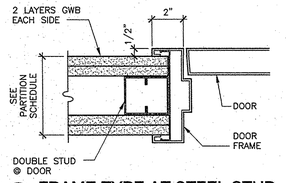

F1 FRAME TYPE AT STEEL STUD
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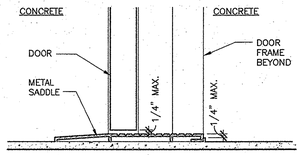

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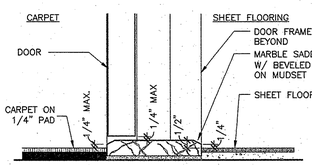

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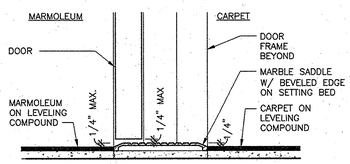

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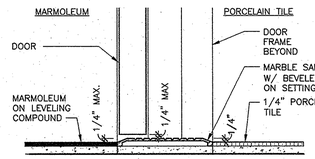

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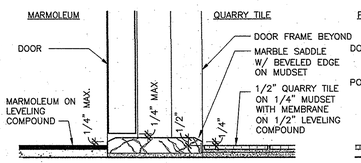

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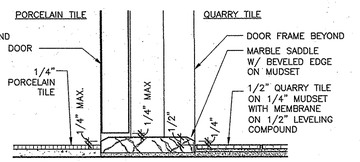

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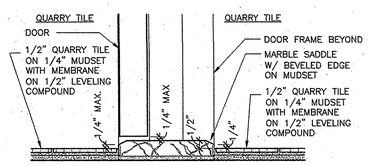

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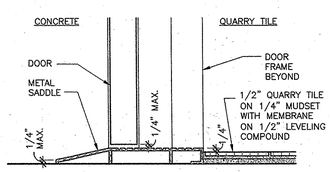

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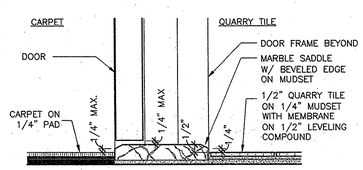

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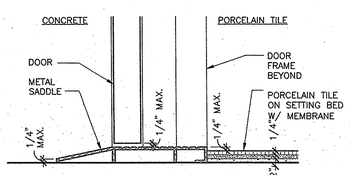

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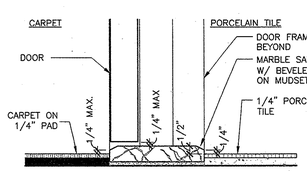

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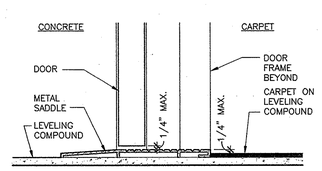

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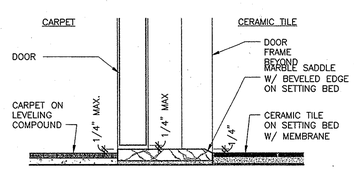


S1 SADDLE TPYE
SCALE: 3" = 1'-0"

NO.	LOCATION	TYPE	MAT'L	SIZE		DOOR FRAME			SADDLE	UL LABEL	HARDWARE SET*	REMARKS
				WIDTH	HEIGHT	MAT'L		JAMB				
BASEMENT												
001	STIAR C TO CORRIDOR	A	HM	3'-0"	6'-8"	HM		F1	S2	B		
002	STAIR D TO CORRIDOR	A	HM	3'-0"	6'-8"	HM		F1	S2	B		
003	ELEVATOR MACHINE ROOM TO CORRIDOR	B	HM	3'-0"	6'-8"	HM		F1	S2	B		
FIRST FLOOR												
101	EXTERIOR TO VESTIBULE (SCHOOL)	SF1		6'-6" X 2	7'-0"			F2	S13			
102	VESTIBULE TO LOBBY	SF5		6'-6" X 2	7'-0"			F1	S4			
103	EXTERIOR TO STAIR B	SF4		11'-4"	7'-0"			F2	S13			
104	STAIR A TO LOBBY	C	HM	5'-8"	7'-0"	HM		F2	S4	B		
105	NURSE TO RECEPTION	A	HM	3'-0"	6'-8"	HM		F1	---	B		
106	RECEPTION TO LOBBY	A	HM	3'-0"	6'-8"	HM		F1	S3	B		
107	DELIVERY TO LOBBY	D	HM	3'-0"	6'-8"	HM		F1	S8	B		
108	DELIVERY TO WARMING PANTRY	A	HM	4'-0"	6'-8"	HM		F1	S7	B		
109	LOBBY TO CAFETERIA	C	HM	6'-0"	6'-8"	HM		F1	S10	B		
110	WARMING PAMTRY TO CAFETERIA	D	HM	3'-0"	6'-8"	HM		F1	S9	B		
111	CORRIDOR TO CAFETERIA	A	HM	3'-8"	6'-8"	HM		F1	S11	B		
112	CORRIDOR TO STAIR C (DOWN TO BASEMENT)	B	HM	3'-0"	6'-8"	HM		F1	S2	B		
113	CORRIDOR TO STAIR C (UP TO 2ND)	B	HM	3'-0"	6'-8"	HM		F1	S2	B		
114	CORRIDOR TO OFFICE	A	HM	3'-0"	6'-8"	HM		F1	---	B		
115	CORRIDOR TO CORRIDOR	A	HM	3'-0"	6'-8"	HM		F1	---	B		
116	CORRIDOR TO CLASSROOM 7	A	HM	3'-0"	6'-8"	HM		F1	---	B		
117	CORRIDOR TO GIRL'S TOILET	D	HM	3'-0"	6'-8"	HM		F1	S1	B		
118	CORRIDOR TO BOY'S TOILET	D	HM	3'-0"	6'-8"	HM		F1	S1	B		
119	CORRIDOR TO TIMEOUT OFFICE 1	A	HM	3'-0"	6'-8"	HM		F1	---	B		
120	CORRIDOR TO TIME OUT OFFICE 2	A	HM	3'-0"	6'-8"	HM		F1	---	B		
121	CORRIDOR TO CLASSROOM 6	A	HM	3'-0"	6'-8"	HM		F1	---	B		
122	CORRIDOR TO CLASSROOM 5	A	HM	3'-0"	6'-8"	HM		F1	---	B		
123	CORRIDOR TO CLASSROOM 4	A	HM	3'-0"	6'-8"	HM		F1	S11	B		
124	CORRIDOR TO CLASSROOM 3	A	HM	3'-0"	6'-8"	HM		F1	S11	B		
125	CORRIDOR TO COMPUTER ROOM	A	HM	3'-0"	6'-8"	HM		F1	---	B		
126	COMPUTER ROOM TO CLOSET	D	HM	3'-0"	6'-8"	HM		F1	S5	B		
127	CORRIDOR TO EGRESS CORRIDOR	D	HM	3'-0"	6'-8"	HM		F1	S13	B		
128	EGRESS CORRIDOR TO STAIR D	A	HM	3'-0"	6'-8"	HM		F1	S13	B		
129	EGRESS CORRIDOR TO STAIR B	A	HM	5'-6"	6'-8"	HM		F1	S2	B		
130	CORRIDOR TO STAIR B	C	HM	3'-8"	6'-8"	HM		F1	S2	B		
131	CORRIDOR TO CLASSROOM 2	C	HM	3'-0"	6'-8"	HM		F1	S2	B		
132	CORRIDOR TO CLASSROOM 1	A	HM	3'-0"	6'-8"	HM		F1	S1	B		
133	CORRIDOR TO SCIENCE RM	A	HM	3'-0"	6'-8"	HM		F1	S1	B		
134	CORRIDOR TO ARCHIVE	D	HM	3'-0"	6'-8"	HM		F1	---	B		
135	CORRIDOR TO UTILITY CORRIDOR	D	HM	3'-0"	6'-8"	HM		F1	---	B		
136	UTILITY CORRIDOR TO TEACHER TOILET 1	D	HM	3'-0"	6'-8"	HM		F1	S1	B		
137	UTILITY CORRIDOR TO MECHANICAL ROOM	B	HM	3'-0"	6'-8"	HM		F1	S2	B		
138	UTILITY CORRIDOR TO TEACHER TOILET 2	D	HM	3'-0"	6'-8"	HM		F1	S1	B		
139	UTILITY CODDIDOR TO ELECTRICAL METER RM	B	HM	3'-0"	6'-8"	HM		F1	S2	B		
140	ELECTRICAL METER ROOM TO ATS ROOM	B	HM	3'-0"	6'-8"	HM		F1	S13	B		
141	CORRIDOR TO JANITOR'S CLOSET	B	HM	3'-0"	6'-8"	HM		F1	S5	B		
142	CORRIDOR TO LIBRARY	A		3'-0"	6'-8"			F1	---			
143	LIBRARY TO READING ROOM	A	HM	3'-0"	6'-8"	HM		F1	---	B		
144	STAIR A TO LOBBY	C	HM	5'-6"	6'-8"	HM		F1	S4	B		
145	SIDEWALK TO WATER METER ROOM	B	--	3'-0"	6'-8"	HM		F1	S13	B		
146	CORRIDOR TO CORRIDOR	C	HM	5'-6"	6'-8"	HM		F1	S3			
147	SCIENCE RM TO GAS METER CL.	E	HM	6'-0"	6'-8"	HM		F1	S2			
148	SCIENCE RM TO GAS METER CL.	E	HM	6'-0"	6'-8"	HM		F1	S2			
SECOND FLOOR												
201	STAIR A TO CORRIDOR	C	HM	6'-9 1/2"	6'-8"	HM		F1	S2	B		
202	CORRIDOR TO PRINCIPAL'S OFFICE	A	HM	3'-0"	6'-8"	HM		F1	---	B		
203	PRINCIPAL'S OFFICE TO CONFERENCE ROOM	A	HM	3'-0"	6'-8"	HM		F1	---	B		
204	CORRIDOR TO CONFERENCE ROOM	A	HM	3'-0"	6'-8"	HM		F1	---	B		
205	CORRIDOR TO BAND ROOM	A	HM	3'-0"	6'-8"	HM		F1	S12	B		
206	BAND ROOM TO BAND ROOM STORAGE	D	HM	3'-0"	6'-8"	HM		F1	---	B		
207	CORRIDOR TO TEACHERS TOILET 3	D	HM	3'-0"	6'-8"	HM		F1	S1	B		
208	CORRIDOR TO ELECTRICAL CLOSET	B	HM	3'-0"	6'-8"	HM		F1	S2	B		
209	CORRIDOR TO GYMNASIUM	C	HM	6'-0"	6'-8"	HM		F1	S12	B		
210	GYMNASIUM TO GYM STORAGE	D	HM	6'-0"	6'-8"	HM		F1	---	B		
211	CORRIDOR TO GYMNASIUM	A	HM	3'-0"	6'-8"	HM		F1	S12	B		
212	CORRIDOR TO STAIR C	A	HM	3'-0"	6'-8"	HM		F1	S2	B		
213	OFFICE CORRIDOR TO OFFICE 9	A	HM	3'-0"	6'-8"	HM		F1	---	B		
214	CLASSROOM 16 TO CLOSET	D	HM	3'-0"	6'-8"	HM		F1	---	B		
215	OFFICE CORRIDOR TO OFFICE 7	A	HM	3'-0"	6'-8"	HM		F1	---	B		
216	OFFICE CORRIDOR TO OFFICE 8	D	HM	3'-8"	6'-8"	HM		F1	---	B		
217	CORRIDOR TO GIRL'S TOILET	D	HM	3'-0"	6'-8"	HM		F1	S1	B		
218	CORRIDOR TO BOY'S TOILET	D	HM	3'-0"	6'-8"	HM		F1	S1	B		
219	CORRIDOR TO JANITOR'S CLOSET	B	HM	3'-0"	6'-8"	HM		F1	S5	B		
220	CORRIDOR TO CLASSROOM 16	A	HM	3'-0"	6'-8"	HM		F1	---	B		
221	CORRIDOR TO TEACHERS' WORK ROOM	A	HM	3'-0"	6'-8"	HM		F1	---	B		
222	CORRIDOR TO OFFICE 3	A	HM	3'-0"	6'-8"	HM		F1	---	B		
223	CORRIDOR TO CLASSROOM 15	A	HM	3'-0"	6'-8"	HM		F1	---	B		
224	CORRIDOR TO OFFICE 4	A	HM	3'-0"	6'-8"	HM		F1	---	B		
225	CORRIDOR TO CLASSROOM 14	A	HM	3'-0"	6'-8"	HM		F1	S11	B		
226	OFFICE 7 TO OFFICE 7 CLOSET	D	HM	3'-0"	6'-8"	HM		F1	---	B		
227	CORRIDOR TO OFFICE 6	A	HM	3'-0"	6'-8"	HM		F1	---	B		
228	CORRIDOR TO TIME OUT OFFICE 4	A	HM	3'-0"	6'-8"	HM		F1	---	B		
229	CORRIDOR TO CLASSROOM 13	A	HM	3'-0"	6'-8"	HM		F1	---	B		
230	CORRIDOR TO STAIR B	C	HM	6'-9 1/2"	6'-8"	HM		F1	S2	B		
231	STAIR B TO STAIR B (BULKHEAD ACCESS)	D	HM	6'-9 1/2"	6'-8"	HM		F1	S13	B		
232	CORRIDOR TO CLASSROOM 9	A	HM	3'-0"	6'-8"	HM		F1	---	B		
233	CORRIDOR TO CLASSROOM 12	A	HM	3'-0"	6'-8"	HM		F1	---	B		
234	CORRIDOR TO CLASSROOM 11	A	HM	3'-0"	6'-8"	HM		F1	---	B		
235	CORRIDOR TO OFFICE 5	A	HM	3'-0"	6'-8"	HM		F1	---	B		
236	CORRIDOR TO CLASSROOM 8	A	HM	3'-0"	6'-8"	HM		F1	---	B		
237	CORRIDOT TO CLASSROOM 10	A	HM	3'-0"	6'-8"	HM		F1	---	B		
238	CORRIDOR TO OFFICE 2	A	HM	3'-0"	6'-8"	HM		F1	---	B		
239	CORRIDOR TO TIME OUT OFFICE 3	A	HM	3'-0"	6'-8"	HM		F1	---	B		
	STAIR A TO STAIR A (BULKHEAD ACCESS)	D	HM	5'-8"	6'-8"	HM		F1	S13	B		
		--	HM	3'-0"	6'-8"	HM		--	---	B		
ROOF												
301	STAIR A TO ROOF	D	HM	3'-0"	6'-8"	HM		F2	S13	B		
302	STAIR B TO ROOF	D	HM	3'-0"	6'-8"	HM		F2	S13	B		

* FOR DOOR HARDWARE REFER TO SPECIFICATIONS SECTION 08710

Project Title:

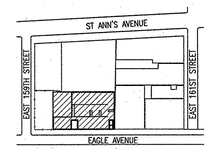
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:
MAP
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7620 Fax (212) 253-1270
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
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Tel: 516-676-2110

ACCEPTABLE FOR PERMIT
UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO P. NAVER
210121429

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

REGISTERED ARCHITECT
CHRISTINE M. HUNTER
No. 014569
STATE OF NEW YORK

Drawing Title:

DOOR ELEVATION AND SCHEDULE AND DETAILS

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS/ES **A-5.2**

Checked by:

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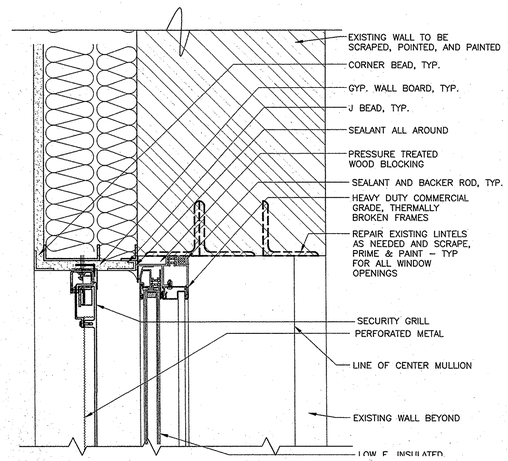
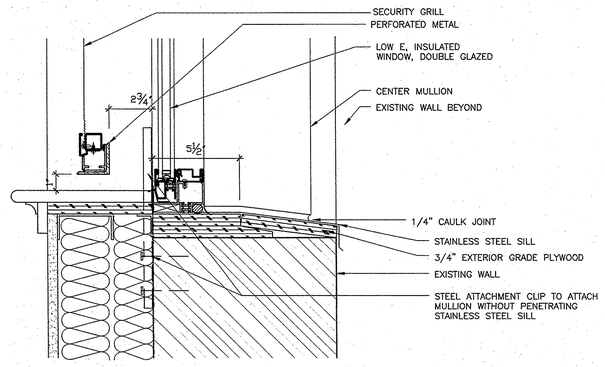


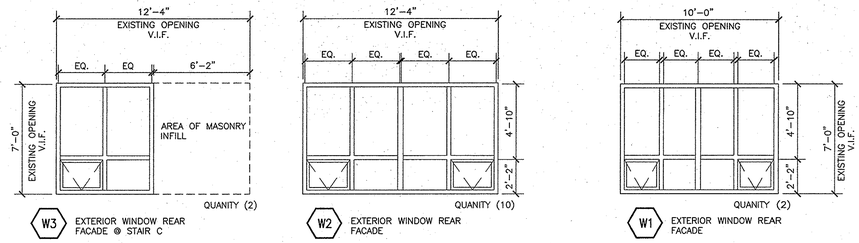
7 WINDOW HEAD DETAIL @ ACTIVITY ROOM
3" = 1'-0"



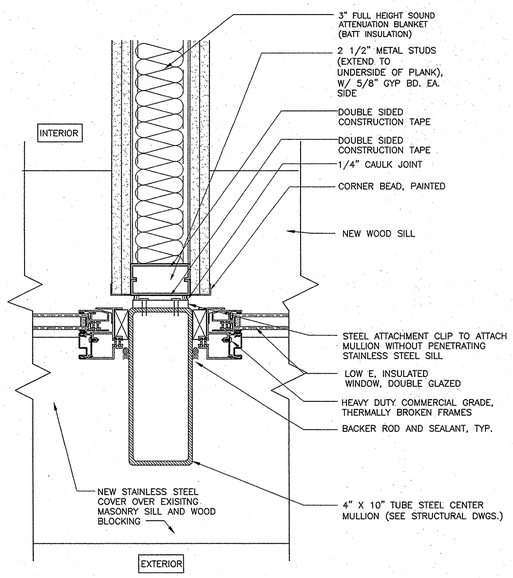
6 WINDOW SILL DETAIL @ ACTIVITY ROOM
3" = 1'-0"

WINDOW NOTES:

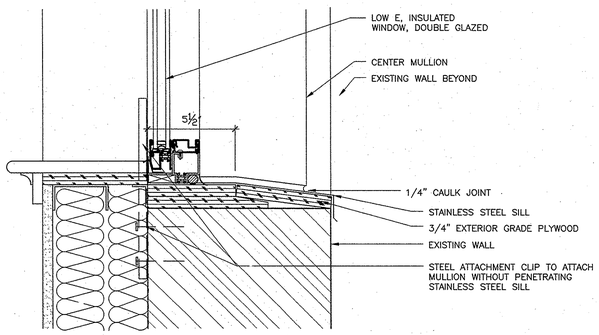
1. ALL M.O. MUST BE VERIFIED IN FIELD BY INSTALLER
2. LOT LINE WINDOWS TO BE PRE-FINISHED STEEL W/ OPERABLE & FIXED UNITS
3. AWNING WINDOWS SHALL HAVE LIMIT STOP OF 4" MAX. OPENING AND LIMITER/OPERATOR CONCEALED IN FRAME
4. KEY OPERATED AT PUBLIC AREAS
5. PROVIDE OPERABLE SECURITY SCREEN @ ACTIVITY ROOM WINOWS ONLY
6. ALL OPENING DIMENSIONS ARE M.O. TO BE VIF
7. ASSUME 1/2" JOINT ALL AROUND
8. SHOP DRAWINGS MUST BE PROVIDED



SCALE 1/4" = 1'-0" **WINDOW SCHEDULE**



5 WINDOW CENTRAL MULLION DETAIL (TYP)
3" = 1'-0"



3 WINDOW SILL DETAIL (TYP)
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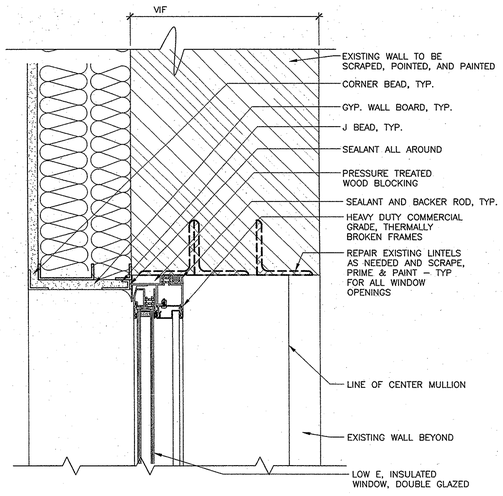

4 WINDOW HEAD DETAIL (TYP)
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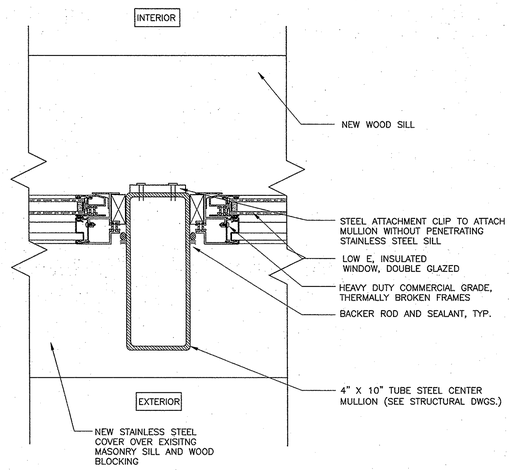

2 WINDOW MULLION DETAIL (TYP)
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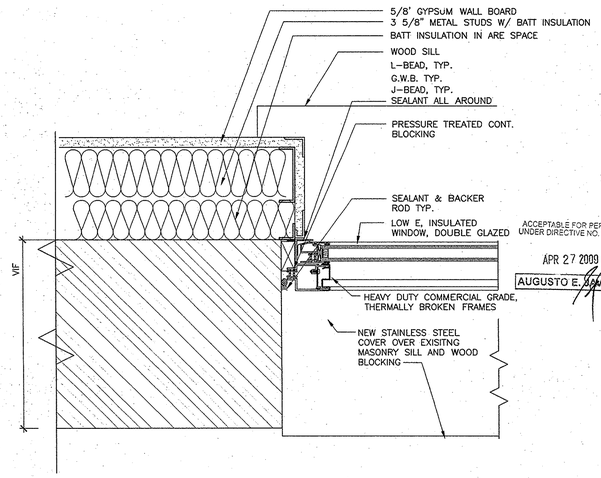


1 WINDOW JAMB DETAIL (TYP)
3" = 1'-0"

Project Title:

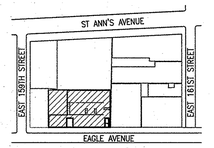
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. MAYER
210121429

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

REGISTERED ARCHITECT CHRISTINE A. HUNTER No. 014665 STATE OF NEW YORK

Drawing Title:

WINDOW ELEVATION AND DETAILS

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS **A-5.3**

Checked by:

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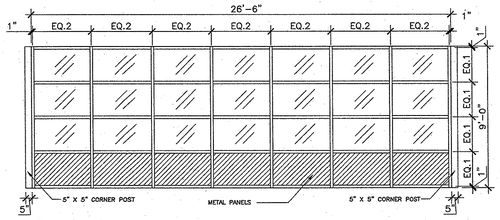
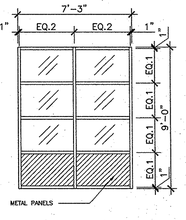
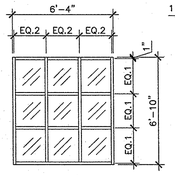


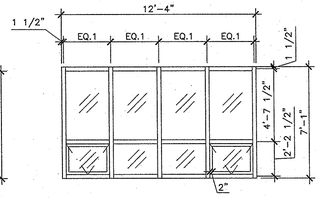
SF16 QUANITY (1)
MAIN STOREFRONT AT DOUBLE HEIGHT SPACE (INTERIOR)



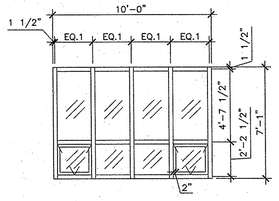
SF15 QUANITY (2)
SIDE STOREFRONT AT DOUBLE HEIGHT SPACE (INTERIOR)



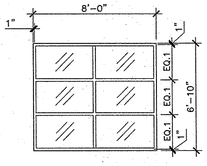
SF14 QUANITY (1)
STAIR A INTERIOR AT 2ND FLOOR (INTERIOR)



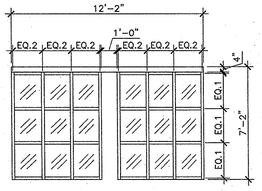
SF13 QUANITY (2)
2ND FLOOR (EXTERIOR)



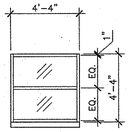
SF12 QUANITY (6)
2ND FLOOR (EXTERIOR)



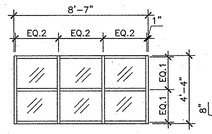
SF11 QUANITY (1)
LIBRARY & READING ROOM



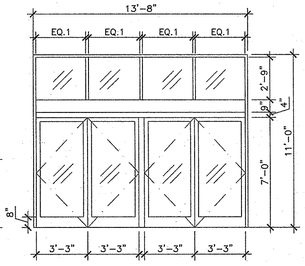
SF10 QUANITY (1)
STAIR A INTERIOR AT 1ST FLOOR



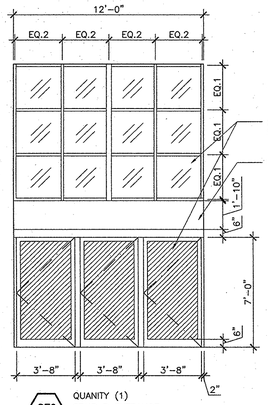
SF9 QUANITY (1)
NURSE/RECORD RM (INTERIOR)



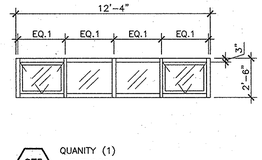
SF8 QUANITY (1)
RECEPTION RM (INTERIOR)



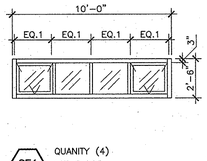
SF7 QUANITY (1)
LOBBY DOORS (INTERIOR)



SF6 QUANITY (1)
STAIR B ENTRANCE (EXTERIOR)



SF5 QUANITY (1)
1ST FLOOR (EXTERIOR)



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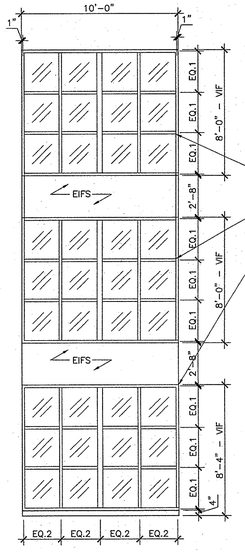
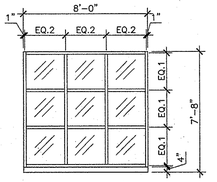
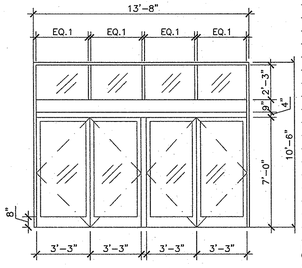
1ST FLOOR (EXTERIOR)



SF3 QUANITY (1)
STAIR A EXTERIOR (EXTERIOR)



SF2 QUANITY (1)
NURSE/RECORD RM (EXTERIOR)



SF1 QUANITY (1)
SCHOOL ENTRANCE (EXTERIOR)

SCALE 1/4" = 1'-0" **STORE FRONT SCHEDULE**

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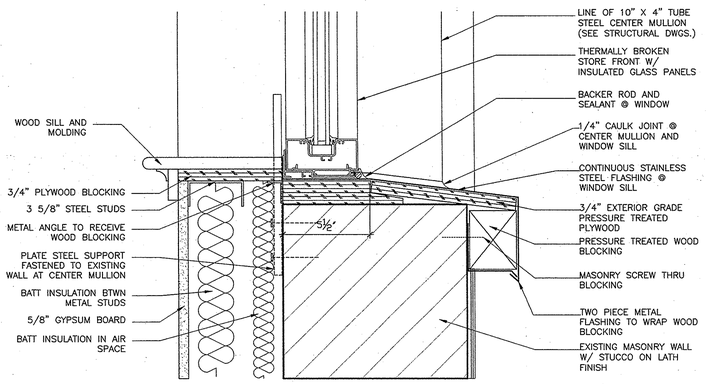
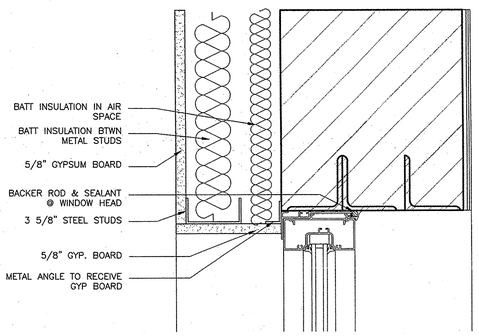
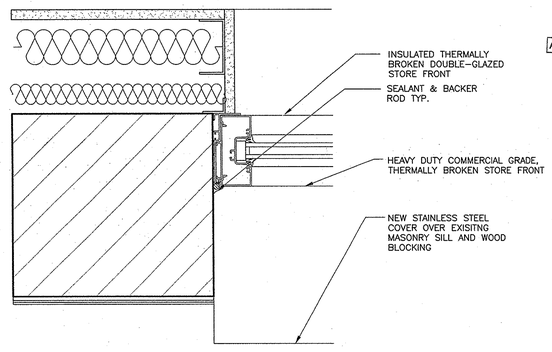


3 STORE FRONT SILL DETAIL (TYP)
3" = 1'-0"



2 STORE FRONT HEAD DETAIL (TYP)
3" = 1'-0"



1 STORE FRONT JAMB DETAIL (TYP)
3" = 1'-0"

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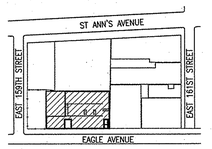

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APR 27 2008 210121429
AUGUSTO EXAVIER

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Seal:
CHRISTINE M. HUDER REGISTERED ARCHITECT No. 014965 STATE OF NEW YORK

Drawing Title:

STORE FRONT ELEVATIONS & DETAILS

Project Number: 07022
Date: Drawing #
Scale: 1/8"=1'-0"
Drawn by: CS/ES **A-5.4**
Checked by:

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FINISH SPECIFICATIONS

NO.	COLOR/ FINISH	SIZE	MANUFACTURER	LOCATION
LOW/ ZERO VOC PAINT				
PNT-1A	EGGSHELL	–	BENJAMIN MOORE- ECOSPEC	KITCHENS, BATHROOMS
PNT-2	TBD/SEMI-GLOSS	–	BENJAMIN MOORE- ECOSPEC	ALL DOOR FRAMES
PNT-3	TBD/SEMI-GLOSS	–	BENJAMIN MOORE- ECOSPEC	ALL DOORS
PNT-4	TBD/SEMI-GLOSS	–	BENJAMIN MOORE- ECOSPEC	ALL CORRIDOR WALLS
PNT-5	TBD/FLAT	–	BENJAMIN MOORE- ECOSPEC	ALL GWB CEILINGS AND SOFFITS
PNT-6	TBD/SEMI-GLOSS	–	BENJAMIN MOORE- ECOSPEC	ALL STORAGE ROOM AND JANITOR'S CLOSET WALLS
PNT-7	TBD/SEMI-GLOSS	–	BENJAMIN MOORE- ECOSPEC	METAL STAIRS AND RAILINGS
PNT-8	TBD/SEMI-GLOSS	–	BENJAMIN MOORE- ECOSPEC	CONCRETE FLOORS
PNT-9	TBD/TPNT	–	BENJAMIN MOORE- ECOSPEC	ALL CONC. CEILINGS
PNT-10	TBD	–	TNEMEC	OUTSIDE RAILINGS
VINYL BASE				
VB	TBD	6"	JOHNSONITE	
PLASTIC LAMINATE				
PL-1	TBD / GLOSS	–	FORMICA/ PIONITE	LOBBY COUNTERTOPS/ SHELVES
PORCELAIN TILE				
PT-1	TBD	12" X 12"	DALTILE	VESTIBULE & 1ST FLOOR CORRIDOR
PT-2	TBD	12" X 12"	DALTILE	VESTIBULE & 1ST FLOOR CORRIDOR
PTB	TBD	12" X 6"	DALTILE	VESTIBULE, 1ST FLOOR CORRIDOR, EGRESS CORRIDOR & STAIRS
CARPET FLOORING				
CPT-1	TBD	–	KASTHALL	CORRIDORS, SEE PLAN FOR PATTERN
CPT-2	TBD	–	KASTHALL	CORRIDORS, SEE PLAN FOR PATTERN
CPT-3	TBD	–	KASTHALL	CORRIDORS, SEE PLAN FOR PATTERN
CERAMIC TILE				
CT-1	TBD	12" X 12"	DALTILE	BATHROOM FLOORING
CT-2	TBD	6" X 3"	DALTILE	BATHROOM WALL
CTB	TBD	4" X 4"	DALTILE	BATHROOM WALL BASE
QUARRY TILE				
QT-1	TBD	12" X 12"	DALTILE	JANITOR'S CLOSET, DELIVERY & STORAGE & WARMING PANTRY FLOORING
QTB	TBD	4" X 4"	DALTILE	JANITOR'S CLOSET, DELIVERY & STORAGE & WARMING PANTRY WALL BASE
MARMOLEUM				
MR	TBD	–	FORBO	CAFETERIOR, SCIENCE ROOM, ART ROOM & ART ROOM STORAGE FLOORING
MRB	TBD	4" X 4"	FORBO	CAFETERIOR, SCIENCE ROOM, ART ROOM & ART ROOM STORAGE WALL BASE
SHEET FLOORING				
SFL	TBD	–	LG REX COURT Q-4000	GYMNASIUM & GYM STORAGE FLOORING
STUCCO				
STO	TBD	–	STO	DOUBLE HEIGHT FEATURE WALL

FINISH ABBREVIATIONS:

ACT	ACOUSTICAL CEILING TILE
CCM	COCO MAT
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONC PAV	CONCRETE PAVER
CPT	CARPET
CT	CERAMIC TILE
GWB	GYPSUM WALLBOARD
WR GWB	WATER RESISTANT GYPSUM WALLBOARD
MAT	RECESSED WALKOFF MAT
MR	MARMOLEUM
MTL	METAL
PL	PLASTIC LAMINATE
PNT	PAINTED
PNT WD	PAINTED WOOD
PNT MDF	PAINTED MEDIUM DENSITY FIBERBOARD
PT	PORCELAIN TILE
BW	BAMBOO WOOD FLOORING
QB	QUARRY BASE
QT	QUARRY TILE
SF	STORE FRONT
SFL	SHEET FLOORING
ST	STONE
STO	STUCCO
WD	WOOD
WB	WOOD BASE
TPNT	TEXTURED PAINT
TBD	TO BE DETERMINED
VB	VINYL BASE

FINISH SCHEDULE

ROOM	FLOOR		WALL			CEILING		REMARKS
	MAT'L	FINISH	MAT'L	FINISH	BASE	MAT'L	FINISH	
FIRST FLOOR								
VESTIBULE	CONC	PT-1	GWB	PNT	PTB	CONC	GWB	
CORRIDOR	CONC	PT-1/CPT-2	GWB	PNT	VB	CONC	ACT/GWB	W/ CPT BORDER 1
RECEPTION	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
NURSE / RECORD ROOM	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
STAIR A	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
STAIR C	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
CAFETERIA	CONC	MR	GWB	PNT	MRB	CONC	PNT	
WARMING PANTRY	CONC	QT-1	GWB	PNT	QTB	CONC	PNT	
DELIVERY & STORAGE	CONC	QT-1	GWB	PNT	QTB	CONC	PNT	
OFFICE 1	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
CLASSROOM 1	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
TIME OUT OFFICE 2	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
CLASSROOM 2	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
CLASSROOM 3	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
COMPUTER ROOM	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
STAIR D	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
EGRESS CORRIDOR	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
LANGUAGE / READING ROOM	CONC	CPT-1	GWB	PNT	VB	CONC	ACT	
LIBRARY	CONC	CPT-1	GWB	CT	VB	CONC	ACT	
GIRL'S TOILETS	CONC	CT-1	GWB	PNT/CT-2	CTB	CONC	ACT	
BOY'S TOILETS	CONC	CT-1	GWB	PNT/CT-2	CTB	CONC	ACT	
MEETING ROOM 1	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
MEETING ROOM 2	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
MEETING ROOM 3	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
TIME OUT OFFICE 1	CONC	CPT-1	GWB	PNT	VB	CONC	ACT	
MEETING ROOM 4	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
SCIENCE ROOM	CONC	MR	GWB	PNT	MRB	CONC	PNT	
RECEPTIONIST	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
CLASSROOM 4	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
JANITOR'S CLOSET	CONC	QT-1	GWB	PNT	QTB	CONC	PNT	
TEACHER'S TOILET 1	CONC	CT-1	GWB	PNT/CP-2	CTB	CONC	PNT	
TEACHER'S TOILET 2	CONC	CT-1	GWB	PNT/CP-2	CTB	CONC	PNT	
UTILITY CORRIDOR	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
CM TOILET 2	CONC	CT-1	GWB	PNT/CT-2	CTB	CONC	PNT	
CM TOILET 1	CONC	CT-1	GWB	PNT/CT-2	CTB	CONC	PNT	
MECHANICAL ROOM	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
ELECTRICAL METER ROOM	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
ATS ROOM	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
GAS METER CLOSET	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
STAIR B	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
CLASSROOM 5	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
CLASSROOM 6	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
CLASSROOM 7	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
SECOND FLOOR								
STAIR A	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
CORRIDOR	CONC	CPT	GWB	PNT	VB	CONC	ACT	W/ CPT BORDER 1
GYMNASIUM	CONC	SFL	GWB	PNT	VB	CONC	PNT	
GYM STORAGE 1	CONC	SFL	GWB	PNT	VB	CONC	PNT	
ELECTRICAL CLOSET	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
TEACHER'S TOILET 4	CONC	CT-1	GWB	PNT/CT-2	CTB	CONC	PNT	
PRINCIPAL'S OFFICE	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
CONFERENCE ROOM	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
ART ROOM	CONC	MR	GWB	PNT	MRB	CONC	PNT	
ART ROOM STORAGE	CONC	MR	GWB	PNT	MRB	CONC	PNT	
STAIR C	CONC	PNT	GWB	PNT	PTB	CONC	PNT	
OFFICE CORRIDOR	CONC	CPT-2	GWB	PNT	VB	CONC	PNT	
OFFICE 4	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
OFFICE 5	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
OFFICE 6	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
CLASSROOM 13	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
CLASSROOM 12	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
CLASSROOM 11	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
OFFICE 3	CONC	CPT-1	GWB	PNT	VB	CONC	ACT	
TIME OUT OFFICE 4	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
CLASSROOM 10	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
GIRL'S TOILETS	CONC	CT-1	GWB	PNT/CT-2	CTB	CONC	ACT	
BOY'S TOILETS	CONC	CT-1	GWB	PNT/CT-2	CTB	CONC	ACT	
JANITOR'S CLOSET	CONC	QT-1	GWB	PNT	QTB	CONC	PNT	
TEACHER'S TOILET 3	CONC	CT-1	GWB	PNT/CT-2	CTB	CONC	PNT	
TEACHER'S WORK ROOM	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
OFFICE 7	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
OFFICE 8	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
TIME OUT OFFICE 3	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
OFFICE 2	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
CLASSROOM 14	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
CLASSROOM 15	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
CLASSROOM 16	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
OFFICE 9	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	
CLASSROOM 8	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
CLASSROOM 9	CONC	CPT-1	GWB	PNT	VB	CONC	PNT	W/ CPT BORDER 1
STAIR B	CONC	PNT	GWB	PNT	PTB	CONC		
ROOF								
STAIR A	CONC	PNT	GWB	PNT	PTB	CONC		

ACCEPTABLE FOR PERMIT
UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. [illegible]
210121429

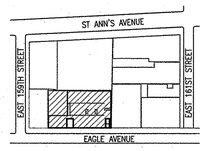
Project Title:

The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building
831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Rivreside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

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1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:
Magnusson Architecture and Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7620 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

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Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

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Seal:

REGISTERED ARCHITECT
CHRISTINE M. HUNTER
No. 014965
STATE OF NEW YORK

Drawing Title:

FINISH SCHEDULE

Project Number: 07022

Date: Drawing #

Scale:

Drawn by: CS/ES **A-5.5**

Checked by:

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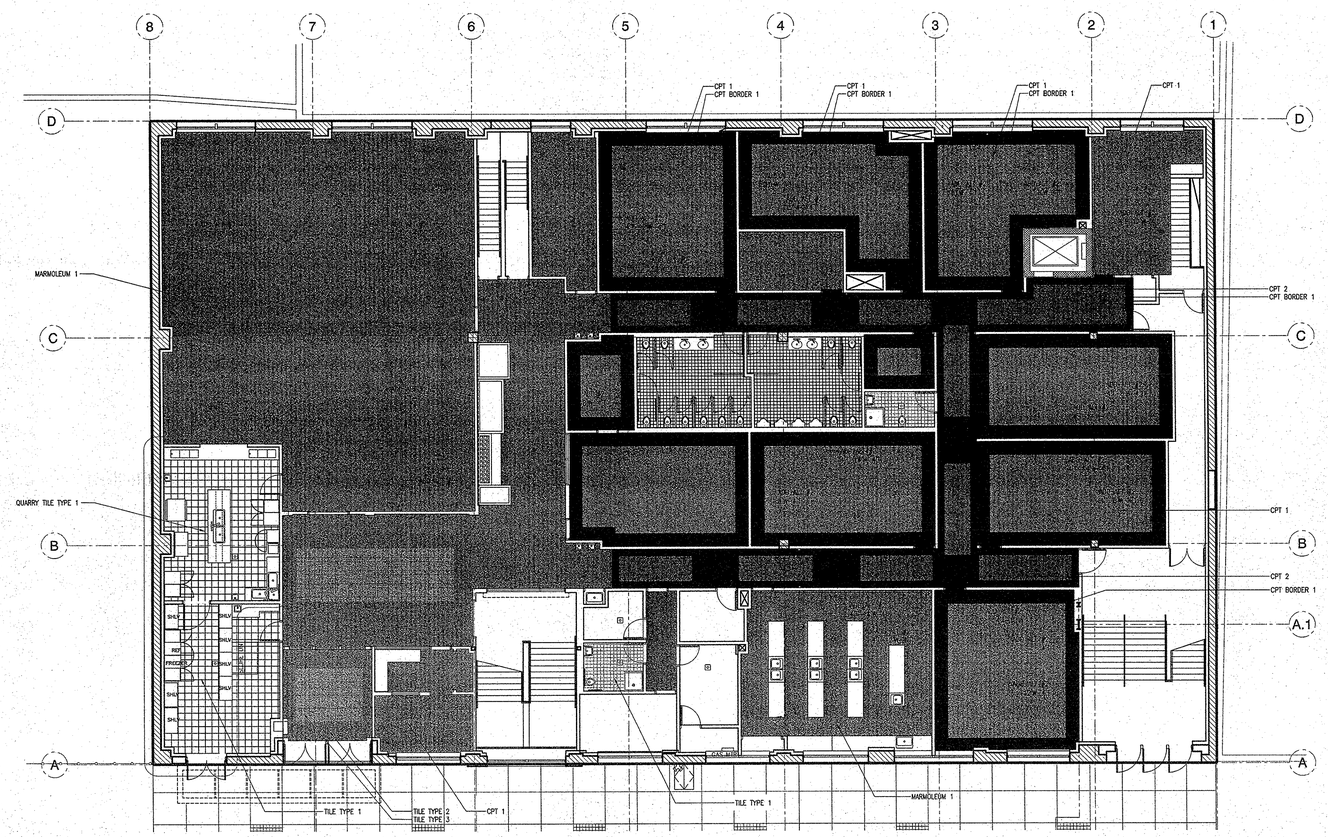
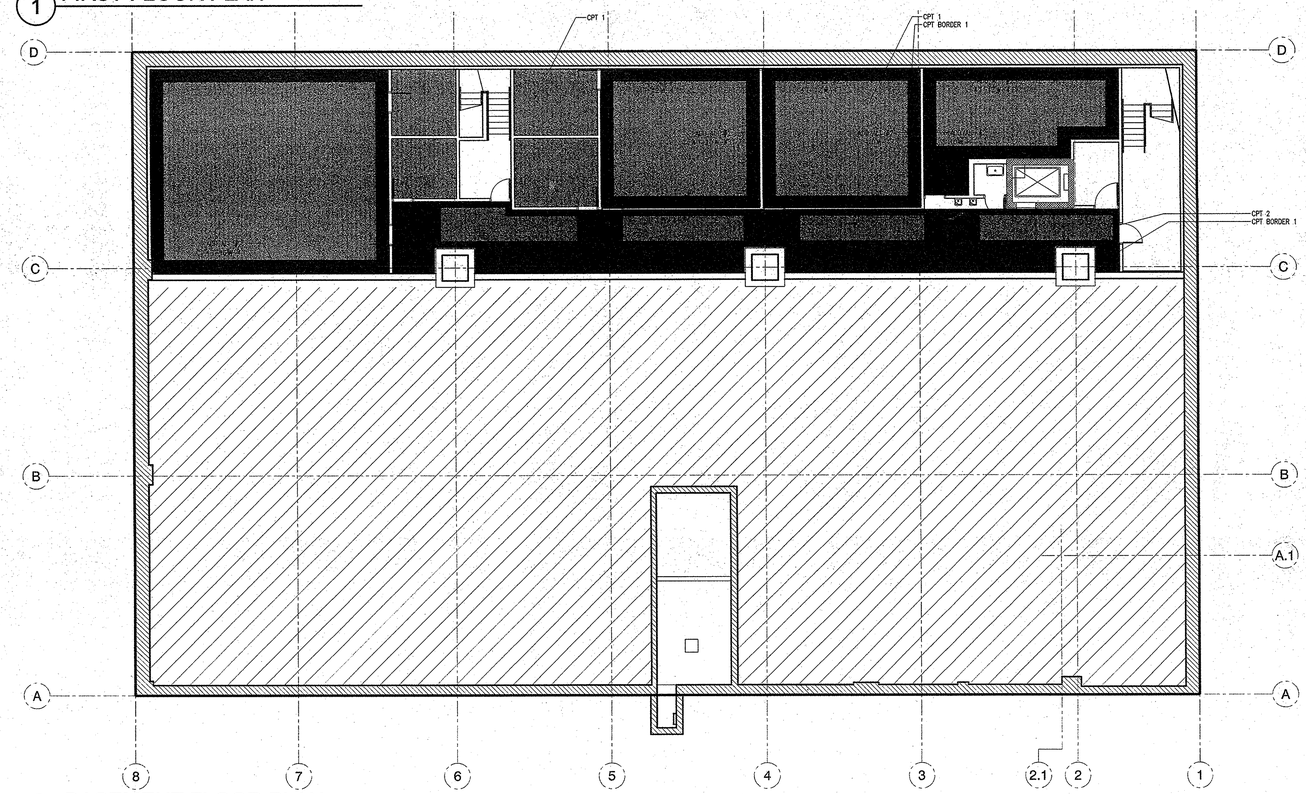


1 FIRST FLOOR PLAN



1 BASEMENT FLOOR PLAN

CPT 1
CPT 2
CPT BORDER 1
QUARRY TILE TYPE 1
TILE TYPE 1
TILE TYPE 2
TILE TYPE 3
VINYL SHEET FLOORING 1
GYMNASIUM FLOORING 1

ADD ALT #2: 4'T-12'W-4'T — ADD ALT #2: 12'-0" WIDE WHITEBOARD W/ 4'0" WIDE TACK BOARDS ON EACH SIDE. WALL BOARDS TO BE 4'-0" HIGH - TYP.

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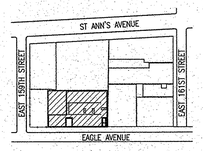

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Architect:
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
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AUGUSTO E. JAMES

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Seal:

REGISTERED ARCHITECT CHRISTINE M. HUNTER No. 014969 STATE OF NEW YORK

Drawing Title:

BASEMENT AND FIRST FLOOR FINISH PLANS

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS

Checked by:

A-5.6

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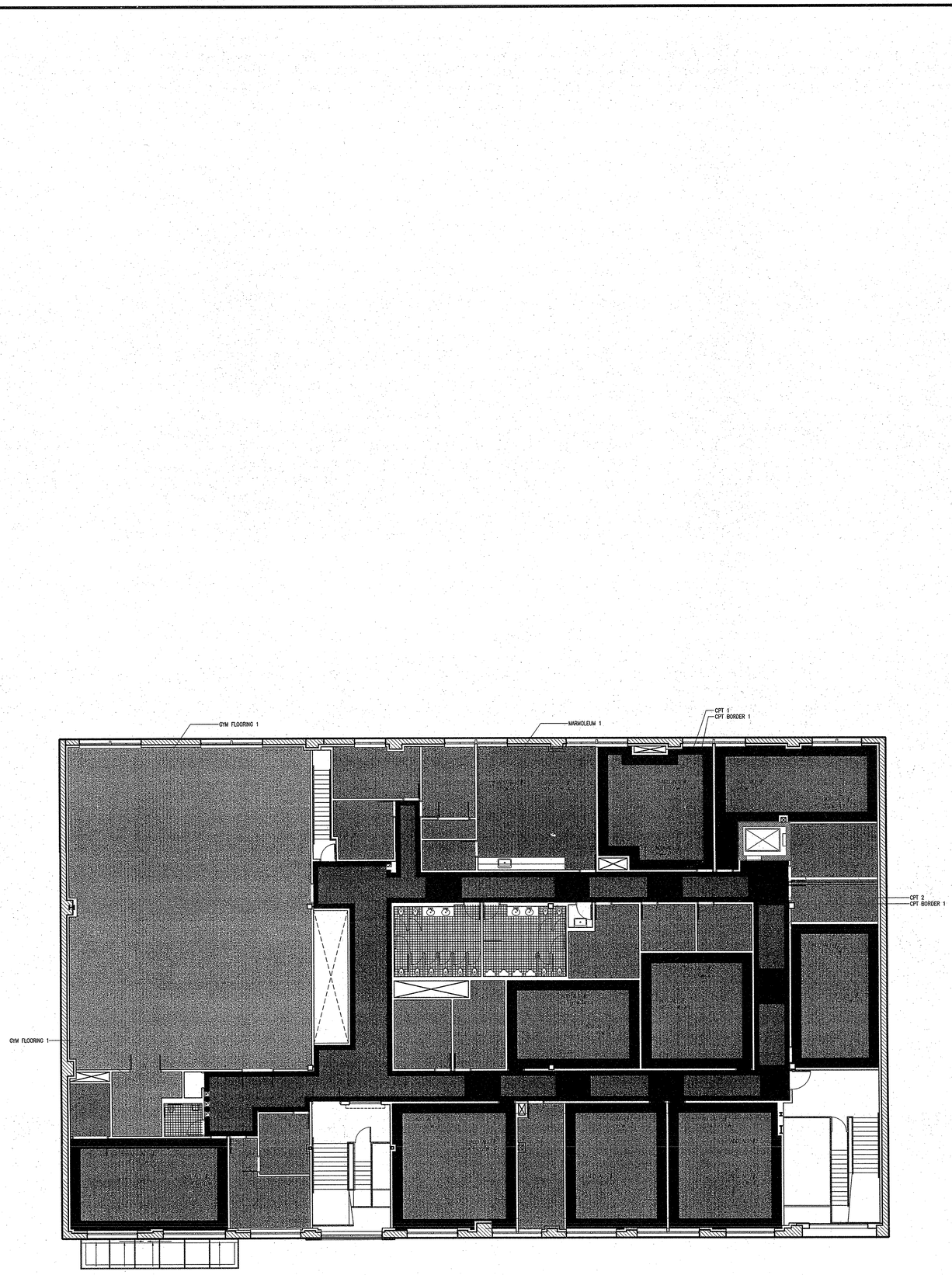

1 SECOND FLOOR PLAN

CPT 1
CPT 2
CPT BORDER 1
TILE TYPE 1
TILE TYPE 2
TILE TYPE 3
VINYL SHEET FLOORING 1
GYMNASIUM FLOORING 1

ADD ALT #2: 4'T-12'W-4'T

ADD ALT #2:
12'-0" WIDE WHITEBOARD W/ 4'0" WIDE TACK BOARDS ON EACH SIDE. WALL BOARDS TO BE 4'-0" HIGH - TYP.

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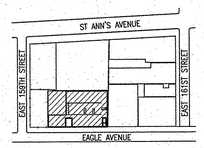

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Upright Expeditors
249 Seacliff Avenue
Seacliff, NY 11579
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AUGUSTO E. JAVIER 124210121429

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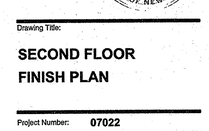

Drawing Title:

SECOND FLOOR FINISH PLAN

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS

Checked by:

A-5.7

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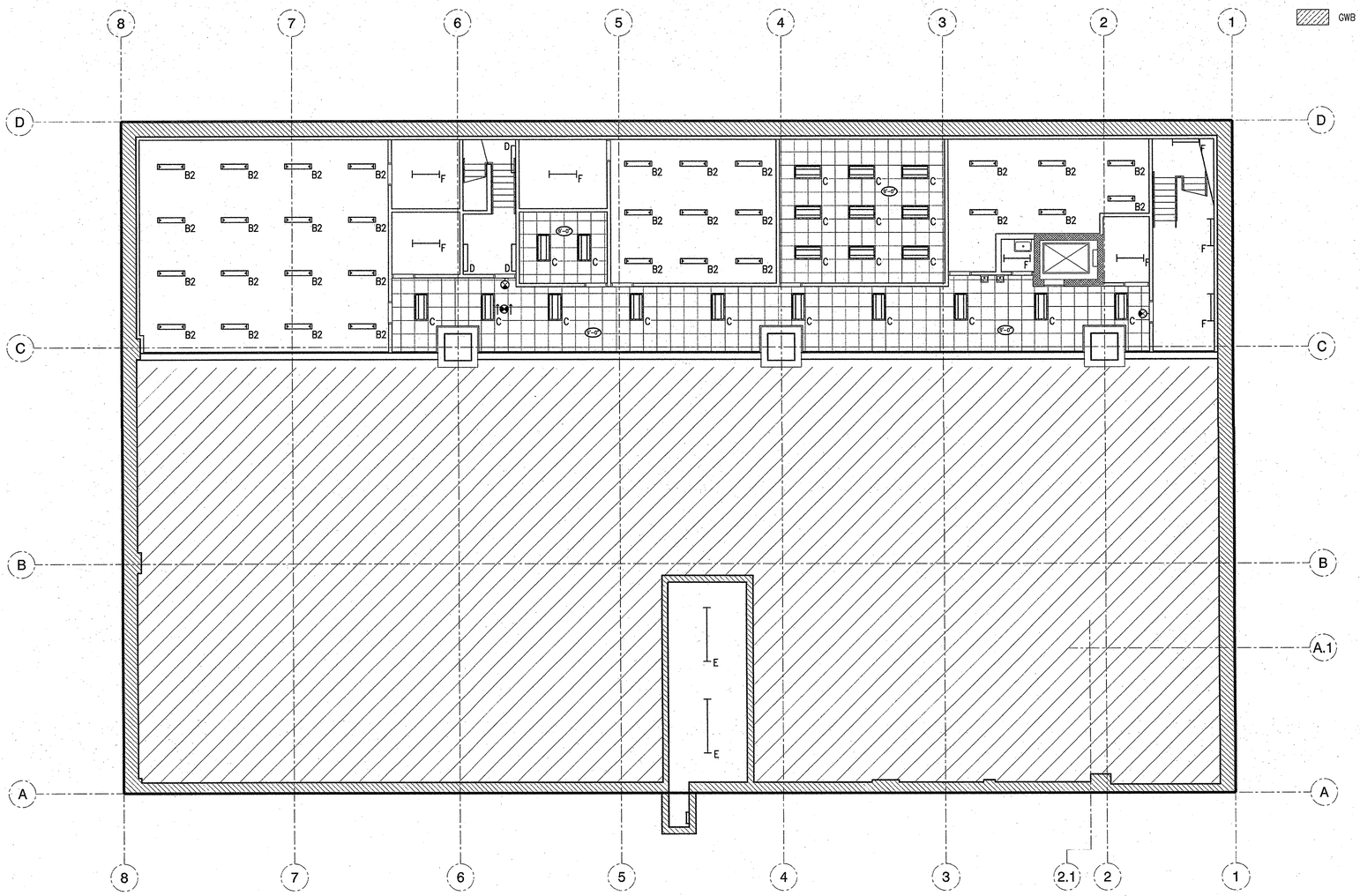
REFLECTED CEILING LEGEND AND SCHEDULE

NO.	SYMBOL	REMARKS	NOTES	NO.	SYMBOL	REMARKS	NOTES
1		2'-0"X2'-0" ACOUSTIC TILE SYSTEM		9	D	WALL MOUNT LEDALITE SONA 7708T02PN4 W/ 2xT8 32W, ELECTRONIC BALLAST, OR APPROVED EQUAL (EGRESS STAIRS).	MOTION SENSORS TO BE PROVIDED FOR ALL FIXTURES @ INTERMEDIATE LANDINGS EXCEPT DAYLIGHT SENSORS @ WINDOWS
2		PAINTED GYP. BD. CEILING		10	E	TBD, 8' WALL/CEILING MOUNT FLUORESCENT 4T8 32W W/ ELECTRONIC BALLAST (UTILITY ROOMS, STORAGE).	
3	9'-0"	SOFFIT, CEILING HEIGHT		11	F	49" X 9" CEILING MOUNT/SURFACE FLUORESCENT 2X32W T8 SEA GULL (5934LE-15), OR APPROVED EQUAL. (UTILITY ROOMS, EGRESS CORRIDOR, STAIR D)	
4		CLG. MTD. EXIT SIGN (LIGHTED) – ARROW INDICATES DIRECTION OF EXIT. DARKENED QUADRANTS INDICATE LIGHT FACE(S). LIGHTALARMS SIMPLICITY SERIES 8SLPEDWRCZ WITH DIRECTIONAL ARROWS AS REQUIRED, OR APPROVED EQUAL. FLAT TRIM.		12	H	6" X 26 3/4" WALL MOUNTED FLUORESCENT ASL SOFT CLOUD 2X17W (DOV/217/EB/ES), OR APPROVED EQUAL. (BATHROOMS)	PROVIDE OCCUPANCY SENSORS
5		RECESSED WALL MTD. EXIT SIGN (LIGHTED). SIMPLICITY SERIES OR APPROVED EQUAL.		13	J	9 1/2" DIA SURFACE MOUNTED FIXTURE SEA GULL 2X13W (5941BLE-962), OR APPROVED EQUAL. (BATHROOMS).	PROVIDE OCCUPANCY SENSORS
6	A	7" RECESSED DOWN LIGHT LIGHTOLIER LYTECASTER FLUORESCENT 13W (1104F13RES), OR APPROVED EQUAL (LOBBY. MAIN CIRCULATION AREAS).	DAYLIGHT SENSORS TO BE PROVIDED FOR FIXTURES NEAR WINDOWS.	14	K	9"x48" WALL MOUNT FIXTURE FOR SOFFITS NATIONAL W/JDA W/ 2xT8 32W, ELECTRONIC BALLAST, OR APPROVED EQUAL (LOBBY, LIBRARY, READING ROOM AND SKYLIGHTS).	DAYLIGHT SENSORS TO BE PROVIDED FOR ALL SKYLIGHT INSTALLATIONS.
7	B1/B2	CABLE SUSPENDED LIGHT FIXTURE LIGHTOLIER ENERGOS EG1-2 FLUORESCENT 2x T8 32W, ELECTRONIC BALLAST, OR APPROVED EQUAL. B1=8'-0"; B2=4'-0".	PROVIDE OCCUPANCY SENSORS W/ COMBINED DAYLIGHT SENSORS FOR FIXTURES NEAR WINDOWS.	15	L	8"x48" WALL MOUNT FIXTURE FOR SOFFITS IN LOBBY, LIBRARY, READING ROOM AND SKYLIGHTS LEDALITE VOICE 7328 W/ 1xT8 32W, ELECTRONIC BALLAST, OR APPROVED EQUAL (GYM).	PROVIDE COMBINED OCCUPANCY / DAYLIGHT SENSORS
8	C	2'x4' RECESSED FIXTURE FOR GRID CEILINGS LEDALITE PUREFX 9424 W/ 2xT8 32W, ELECTRONIC BALLAST, OR APPROVED EQUAL.	DAYLIGHT SENSORS TO BE PROVIDED FOR FIXTURES NEAR WINDOWS.	16	M	7" RECESSED DOWN LIGHT FOR WET LOCATIONS LIGHTOLIER LYTENING FLUORESCENT 13W (1104F13 1128 WHITE DIFFUSOR), OR APPROVED EQUAL (CANOPY, MAIN ENTRANCE EXTERIOR).	DAYLIGHT SENSORS TO BE PROVIDED.

REFLECTED CEILING NOTES

1. GC PROVIDE FULLY COORDINATED SHOP DWG INDICATING ALL WORK TO BE INSTALLED WITHIN CEILING.
2. ALL MEP WORK IS TO BE HELD AS TIGHT AS POSSIBLE TO THE UNDERSIDE OF SLAB ABOVE.
3. COORDINATE ALL ACCESS PANEL / SPRINKLER HEAD LOCATIONS WITH LIGHTING LAYOUT AND ARCHITECT, PRIOR TO THE COMMENCEMENT OF WORK.
4. REFER TO ELECTRICAL DRAWINGS WHICH INDICATE EMERGENCY BALLAST REQUIREMENTS.

ACOUSTIC CEILING TILE
GWB CEILING LOW
GWB CEILING HIGH



1 BASEMENT RCP

Project Title:

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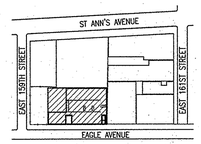

Key Plan: N

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1	05.27.08	BID SET
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Architect:
MAP
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

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Expeditor:
Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. JAVIER
121001121423

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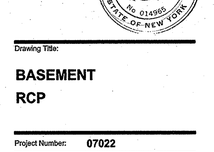

Drawing Title:

BASEMENT RCP

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS/ES **A-6.0**

Checked by:

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REFLECTED CEILING LEGEND AND SCHEDULE

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3		SOFFIT, CEILING HEIGHT		11	F	49" X 9" CEILING MOUNT/SURFACE FLUORESCENT 2X32W T8 SEA GULL (5934LE-15), OR APPROVED EQUAL. (UTILITY ROOMS, EGRESS CORRIDOR, STAIR D)	
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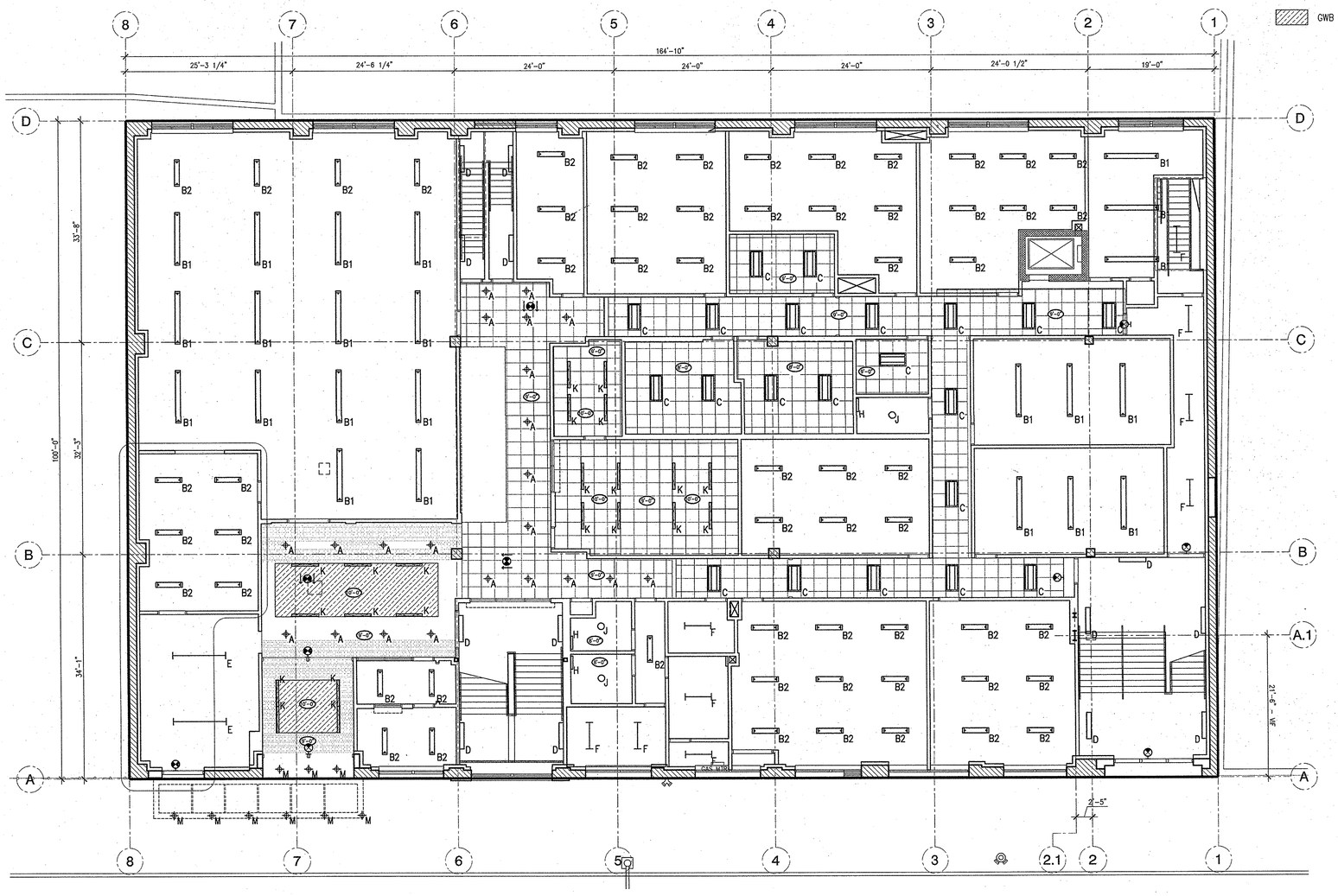
GWB CEILING LOW

GWB CEILING HIGH



1 FIRST FLOOR RCP

Project Title:

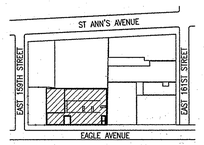
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
2	06.10.08	DOB SET
3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 1
5	12.04.08	BULLETIN #1

Revisions:

Architect:
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
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Structural Engineer:
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New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
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Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
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Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75

APR 27 2009

AUGUSTO C. JAVIER

210121429

Do Not Scale Plans
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Seal:

Drawing Title:

FIRST FLOOR RCP

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS/ES **A-6.1**

Checked by:

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REFLECTED CEILING LEGEND AND SCHEDULE

NO.	SYMBOL	REMARKS	NOTES	NO.	SYMBOL	REMARKS	NOTES
1		2'-0"X2'-0" ACOUSTIC TILE SYSTEM		9	D	WALL MOUNT LEDALITE SONA 7708T02PN4 W/ 2xT8 32W, ELECTRONIC BALLAST, OR APPROVED EQUAL (EGRESS STAIRS).	MOTION SENSORS TO BE PROVIDED FOR ALL FIXTURES @ INTERMEDIATE LANDINGS EXCEPT DAYLIGHT SENSORS @ WINDOWS
2		PAINTED GYP. BD. CEILING		10	E	TBD, 8' WALL/CEILING MOUNT FLUORESCENT 4T8 32W W/ ELECTRONIC BALLAST (UTILITY ROOMS, STORAGE).	
3	EXIT	SOFFIT, CEILING HEIGHT		11	F	49" X 9" CEILING MOUNT/SURFACE FLUORESCENT 2X32W T8 SEA GULL (5934LE-15), OR APPROVED EQUAL. (UTILITY ROOMS, EGRESS CORRIDOR, STAIR D)	
4		CLG. MTD. EXIT SIGN (LIGHTED) - ARROW INDICATES DIRECTION OF EXIT. DARKENED QUADRANTS INDICATE LIGHT FACE(S). LIGHTALARMS SIMPLICITY SERIES 8SLPEDWRCZ WITH DIRECTIONAL ARROWS AS REQUIRED, OR APPROVED EQUAL. FLAT TRIM.		12	H	6" X 26 3/4" WALL MOUNTED FLUORESCENT ASL SOFT CLOUD 2X17W (DOV/217/EB/ES), OR APPROVED EQUAL. (BATHROOMS)	PROVIDE OCCUPANCY SENSORS
5		RECESSED WALL MTD. EXIT SIGN (LIGHTED). SIMPLICITY SERIES OR APPROVED EQUAL.		13	J	9 1/2" DIA SURFACE MOUNTED FIXTURE SEA GULL 2X13W (5941BLE-962), OR APPROVED EQUAL. (BATHROOMS).	PROVIDE OCCUPANCY SENSORS
6	A	7" RECESSED DOWN LIGHT LIGHTOLIER LYTECASTER FLUORESCENT 13W (1104F13RES), OR APPROVED EQUAL (LOBBY. MAIN CIRCULATION AREAS).	DAYLIGHT SENSORS TO BE PROVIDED FOR FIXTURES NEAR WINDOWS.	14	K	9"x48" WALL MOUNT FIXTURE FOR SOFFITS NATIONAL W/JDA W/ 2xT8 32W, ELECTRONIC BALLAST, OR APPROVED EQUAL (LOBBY, LIBRARY, READING ROOM AND SKYLIGHTS).	DAYLIGHT SENSORS TO BE PROVIDED FOR ALL SKYLIGHT INSTALLATIONS.
7	B1/B2	CABLE SUSPENDED LIGHT FIXTURE LIGHTOLIER ENERGOS EG1-2 FLUORESCENT 2x T8 32W, ELECTRONIC BALLAST, OR APPROVED EQUAL. B1=8'-0"; B2=4'-0".	PROVIDE OCCUPANCY SENSORS W/ COMBINED DAYLIGHT SENSORS FOR FIXTURES NEAR WINDOWS.	15	L	8"x48" WALL MOUNT FIXTURE FOR SOFFITS IN LOBBY, LIBRARY, READING ROOM AND SKYLIGHTS LEDALITE VOICE 7328 W/ 1xT8 32W, ELECTRONIC BALLAST, OR APPROVED EQUAL (GYM).	PROVIDE COMBINED OCCUPANCY / DAYLIGHT SENSORS
8	C	2'x4' RECESSED FIXTURE FOR GRID CEILINGS LEDALITE PUREFX 9424 W/ 2xT8 32W, ELECTRONIC BALLAST, OR APPROVED EQUAL.	DAYLIGHT SENSORS TO BE PROVIDED FOR FIXTURES NEAR WINDOWS.	16	M	7" RECESSED DOWN LIGHT FOR WET LOCATIONS LIGHTOLIER LYTENING FLUORESCENT 13W (1104F13 1128 WHITE DIFFUSOR), OR APPROVED EQUAL (CANOPY, MAIN ENTRANCE EXTERIOR).	DAYLIGHT SENSORS TO BE PROVIDED.

REFLECTED CEILING NOTES

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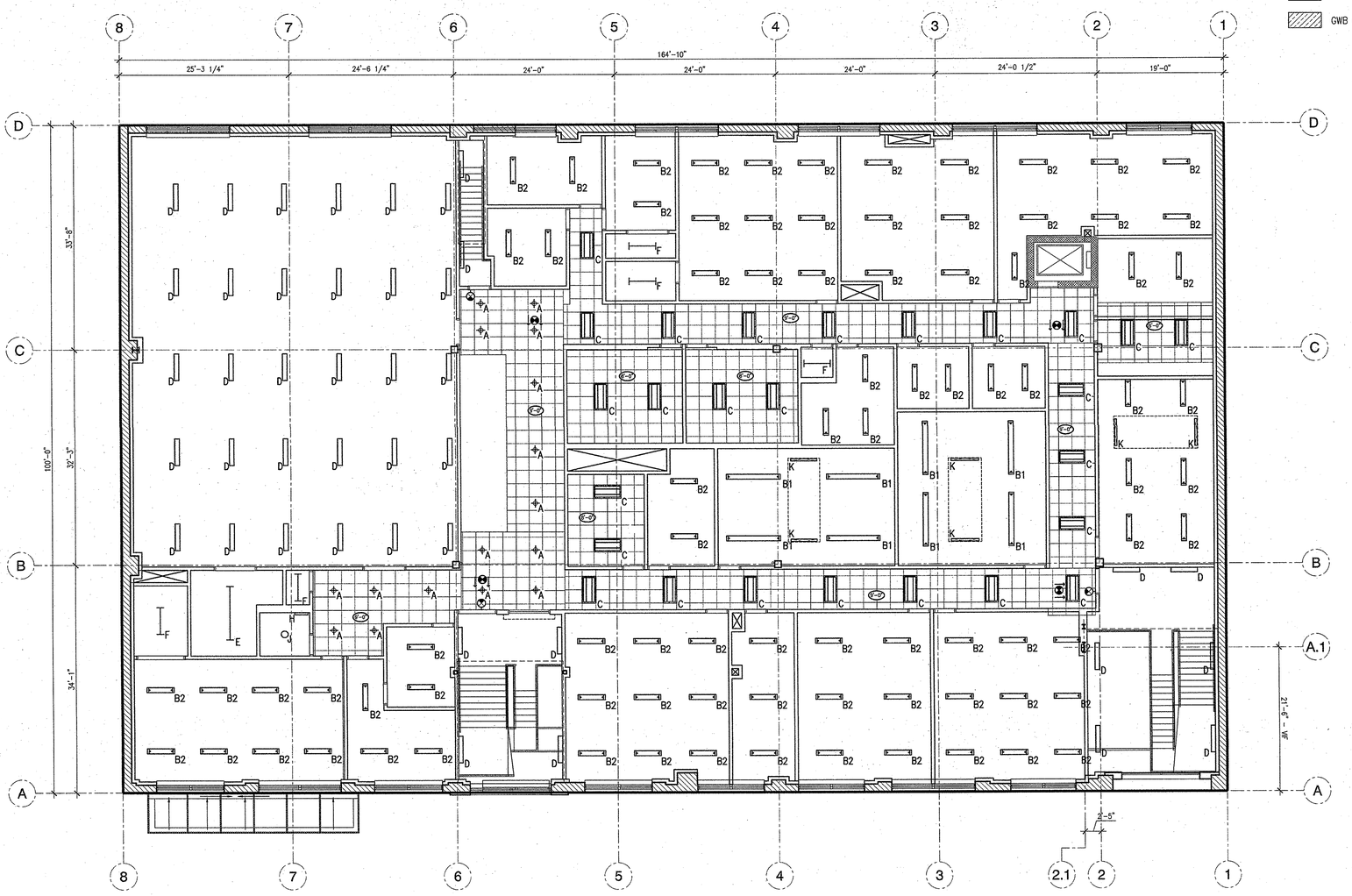
2. ALL MEP WORK IS TO BE HELD AS TIGHT AS POSSIBLE TO THE UNDERSIDE OF SLAB ABOVE.
3. COORDINATE ALL ACCESS PANEL / SPRINKLER HEAD LOCATIONS WITH LIGHTING LAYOUT AND ARCHITECT, PRIOR TO THE COMMENCEMENT OF WORK.
4. REFER TO ELECTRICAL DRAWINGS WHICH INDICATE EMERGENCY BALLAST REQUIREMENTS.

ACOUSTIC CEILING TILE

GWB CEILING LOW

GWB CEILING HIGH



1 SECOND FLOOR RCP

Project Title:

The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
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Clients:

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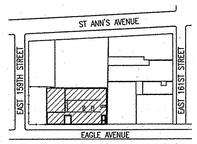

Key Plan: N

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Revisions:

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MAP
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853 Broadway, Suite 800 New York, NY 10003
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ACCEPTABLE FOR CONSTRUCTION UNDER DIRECTIVE 14

APR 27 2009

AUGUSTO E. XAVIER 210121429

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Seal:

REGISTERED ARCHITECT CHRISTINE M. HUNTER No. 014988 STATE OF NEW YORK

Drawing Title:

SECOND FLOOR RCP

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS/ES **A-6.2**

Checked by:

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REFLECTED CEILING LEGEND AND SCHEDULE

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2		PAINTED GYP. BD. CEILING		10	E	TBD, 8' WALL/CEILING MOUNT FLUORESCENT 4T8 32W W/ ELECTRONIC BALLAST (UTILITY ROOMS, STORAGE).	
3	EXIT	SOFFIT, CEILING HEIGHT		11	F	49" X 9" CEILING MOUNT/SURFACE FLUORESCENT 2X32W T8 SEA GULL (5934LE-15), OR APPROVED EQUAL. (UTILITY ROOMS, EGRESS CORRIDOR, STAIR D)	
4		CLG. MTD. EXIT SIGN (LIGHTED) – ARROW INDICATES DIRECTION OF EXIT. DARKENED QUADRANTS INDICATE LIGHT FACE(S). LIGHTALARMS SIMPLICITY SERIES 8SLPEDWRCZ WITH DIRECTIONAL ARROWS AS REQUIRED, OR APPROVED EQUAL. FLAT TRIM.		12	H	6" X 26 3/4" WALL MOUNTED FLUORESCENT ASL SOFT CLOUD 2X17W (DOV/217/EB/ES), OR APPROVED EQUAL. (BATHROOMS)	PROVIDE OCCUPANCY SENSORS
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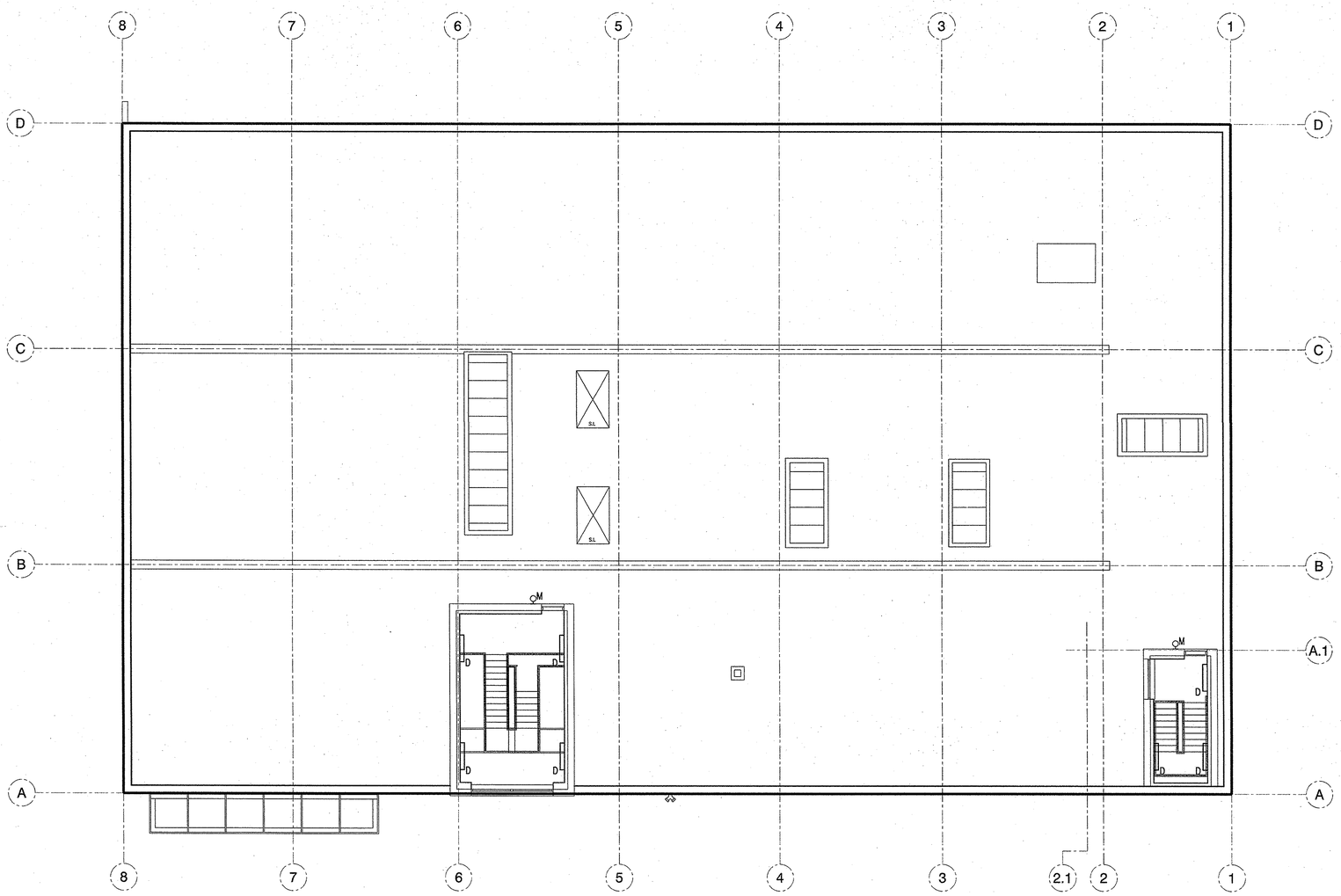

1 ROOF RCP

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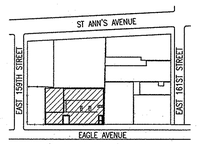

Key Plan: N

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Revisions:

Architect:
Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
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214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 1

APR 27 2009

AUGUSTO E. XAVIER

210121429

Do Not Scale Plans
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Seal:

Drawing Title:

ROOF
RCP

Project Number: 07022

Date: Drawing #

Scale: 1/8"=1'-0"

Drawn by: CS/ES **A-6.3**

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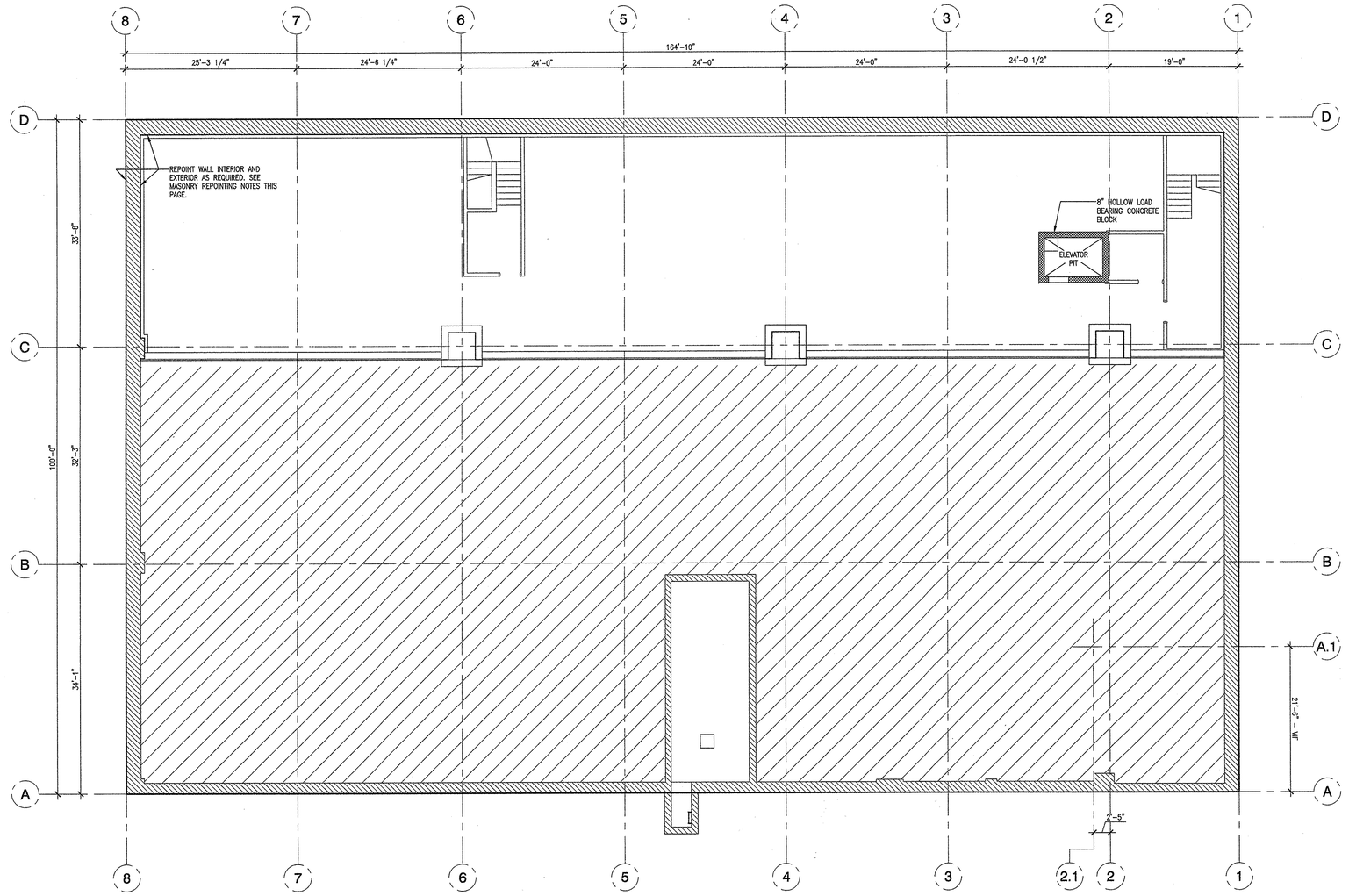

BASEMENT STRUCTURAL PLAN

SCALE: 1/8" = 1'-0"

LEGEND

- INDICATES NEW STEEL BEAM
- INDICATES EXISTING STEEL BEAM
- INDICATES 4 ½" NORMAL WEIGHT CONCRETE ON 2" 18 GA. COMPOSITE METAL DECK. (6 ½" TOTAL THICKNESS)
- INDICATES 4½" NORMAL WEIGHT CONCRETE ON 3" 20 GA. COMPOSITE METAL DECK. (7½" TOTAL THICKNESS)
- INDICATES NEW COLUMN OR POST ABOVE
- INDICATES NEW COLUMN OR POST BELOW
- B — INDICATES 1½" 20 GAUGE TYPE B ROOF DECK
- J-1 — INDICATES 600S162-43 JOISTS® 16" O.C. WITH ⅝" PLYWOOD OR OSB SHEATHING
- J-2 — INDICATES 1000S200-54 JOISTS® 16" O.C. WITH ⅝" PLYWOOD OR OSB SHEATHING

MASONRY REPOINTING NOTES:

1. REMOVE ALL LOOSE UNSOUND MORTAR.
2. REPOINT ANY JOINTS DEEPER THAN ½" RAKE OUT JOINT TO BE REPOINTED TO SOUND ORIGINAL MORTAR AND A MINIMUM OF ??.
3. FLUSH JOINTS AND ADJACENT MASONRY WITH WATER TO REMOVE ANY DUST OR RESIDUAL MORTAR. AT TIME OF POINTING MASONRY SURFACES ARE TO BE PRE-WET BUT FREE OF STANDING WATER.
4. PACK JOINTS WITH MORTAR IN LAYERS OF 3/8" COMPACT EACH LAYER AND CURE TO THUMBPRINT HARD BEFORE APPLYING NEXT LAYER.
5. TOOL FINAL MORTAR SURFACE TO SHED WATER AND APPROXIMATELY MATCH ORIGINAL PROFILE.
6. INFILL WITH NEW BRICK MASONRY AREAS WHERE EXISTING STONES OR MASONRY IS MISSING. REMOVE AND RESET ANY EXISTING LOOSE STONES.
7. REPOINTING MORTAR SHALL CONFORM TO ASTM 270 TYPE N.

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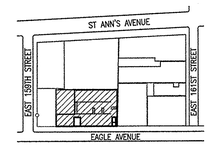

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210121429

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Seal:

STATE OF NEW YORK — KENT NASH — 085014 — LICENSED PROFESSIONAL ENGINEER

Drawing Title:

BASEMENT STRUCTURAL PLAN

Project Number: 07022

Date: 08/15/2008 Drawing #

Scale: 1/8" = 1'-0"

Drawn by: HAM

Checked by: KN

S-1.0

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LEGEND

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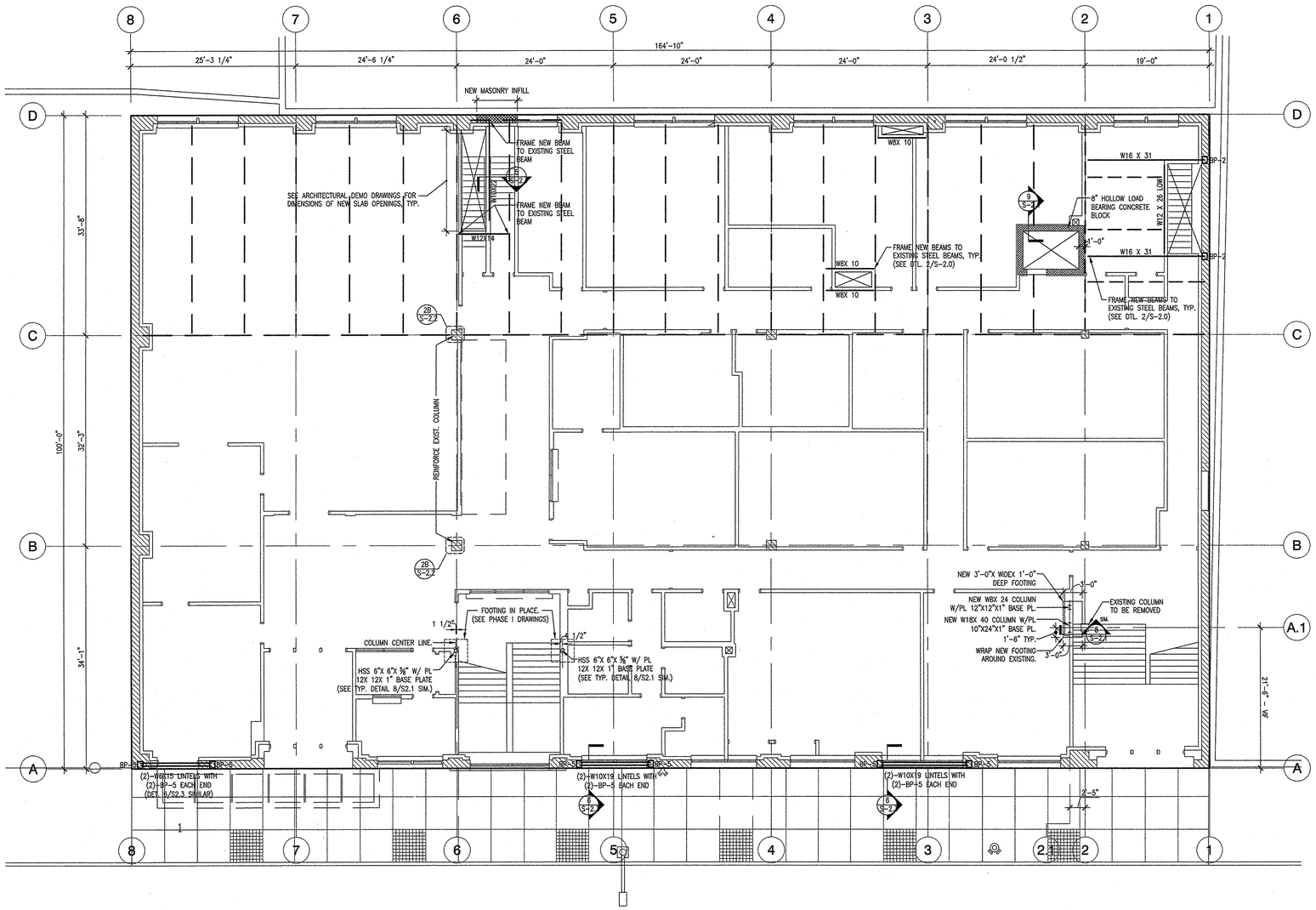

FIRST FLOOR STRUCTURAL PLAN

SCALE: ⅛" = 1'-0"

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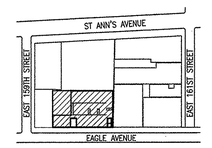

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AUGUSTO PEREZ

210121429

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Seal:

Drawing Title:

FIRST FLOOR STRUCTURAL PLAN

Project Number: 07022

Date: 08/15/2008 Drawing #

Scale: 1/8" = 1'-0"

Drawn by: HAM

Checked by: KN

S-1.1

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LEGEND

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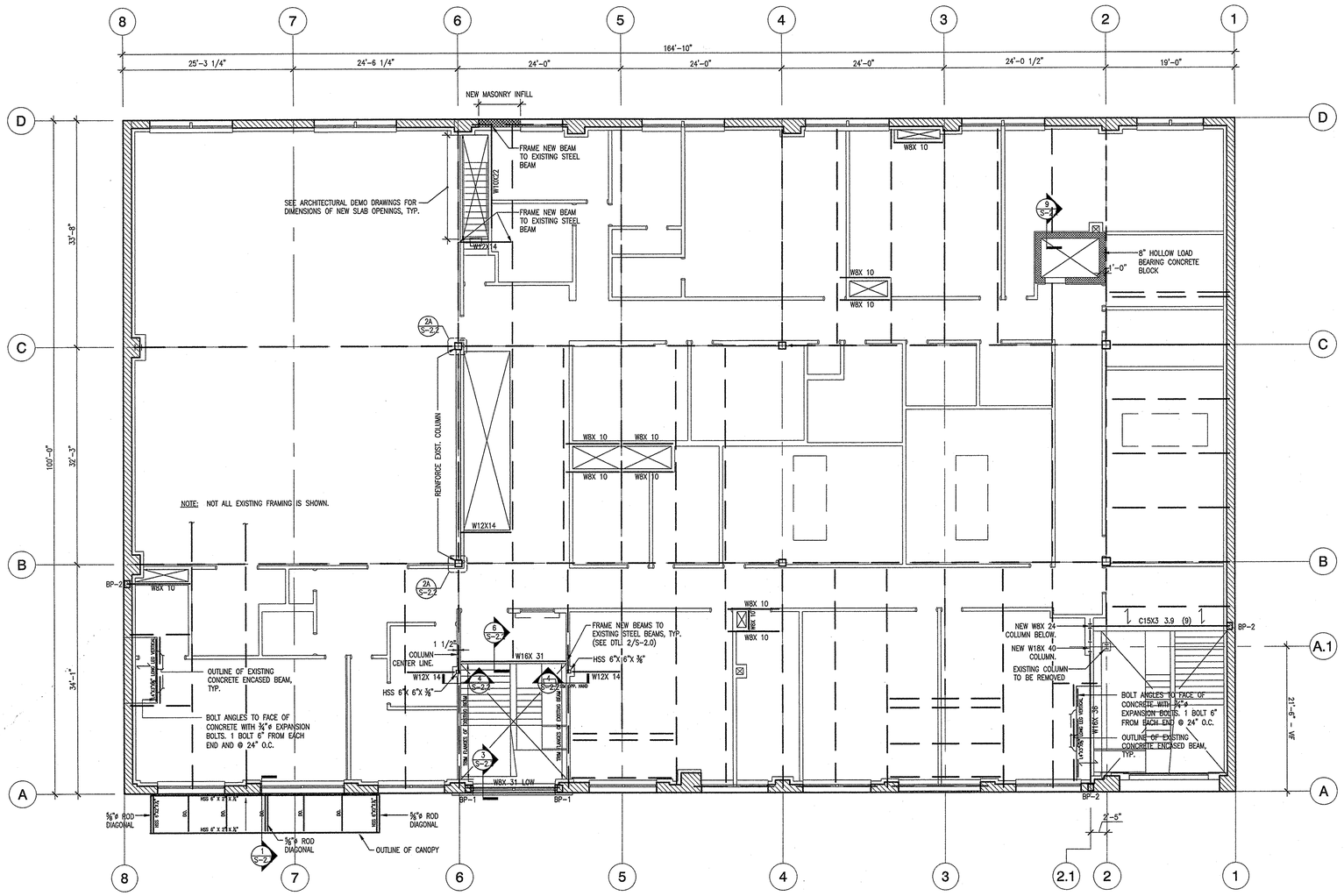

SECOND FLOOR STRUCTURAL PLAN

SCALE: ⅛" = 1'-0"

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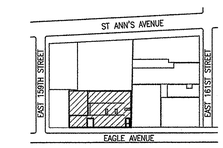

Key Plan: N

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2	06.10.08	DOB SET
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4	08.13.08	REVISION 1

Revisions:

Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:

Nash Associates
Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5549

MEP Engineer:

Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:

Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75

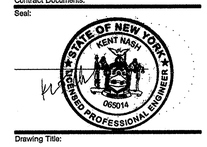
APR 27 2009

AUGUSTO E. JAVIER

210121429

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:



Drawing Title:

SECOND FLOOR STRUCTURAL PLAN

Project Number: 07022

Date: 08/15/2008 Drawing #

Scale: 1/8" = 1'-0"

Drawn by: HAM

Checked by: KN

S-1.2

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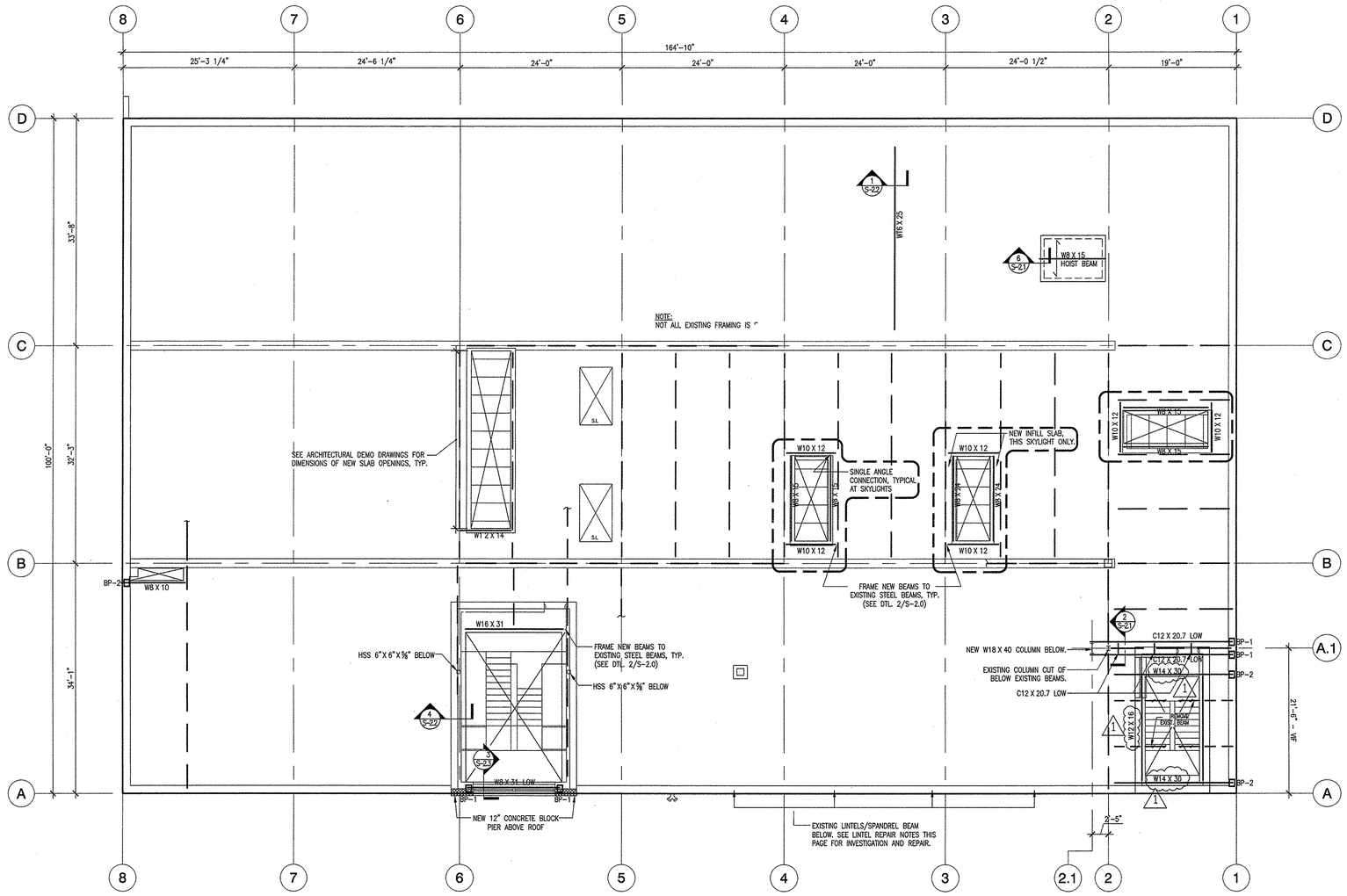


ROOF STRUCTURAL PLAN

SCALE: 1/8" = 1'-0"

LEGEND

- INDICATES NEW STEEL BEAM
- INDICATES EXISTING STEEL BEAM
- INDICATES 4 1/2" NORMAL WEIGHT CONCRETE ON 2" 18 GA. COMPOSITE METAL DECK. (6 1/2" TOTAL THICKNESS)
- INDICATES 4 1/2" NORMAL WEIGHT CONCRETE ON 3" 20 GA. COMPOSITE METAL DECK. (7 1/2" TOTAL THICKNESS)
- INDICATES NEW COLUMN OR POST ABOVE
- INDICATES NEW COLUMN OR POST BELOW
- B — INDICATES 1 1/2" 20 GAUGE TYPE B ROOF DECK
- J-1 — INDICATES 600S162-43 JOISTS @ 16" O.C. WITH 5/8" PLYWOOD OR OSB SHEATHING
- J-2 — INDICATES 1000S200-54 JOISTS @ 16" O.C. WITH 5/8" PLYWOOD OR OSB SHEATHING

SLAB REPAIR NOTES:

1. REPAIR AREAS WHERE THE CONCRETE AT THE UNDERSIDE OF THE SLAB HAS SPALLED AND THE STEEL REINFORCING HAS CORRODED.
2. REMOVE ALL LOOSE, UNSOUND CONCRETE.
3. ALSO REMOVE CONCRETE COMPLETELY AROUND DETERIORATED REINFORCING. CLEAN REINFORCING TO BARE METAL.
4. INSTALL NEW #3 REBAR NEXT TO EACH DETERIORATED EXISTING BAR OR WIRE. NEW REINFORCING BARS TO EXTEND WIDTH OF BAY FROM BEAM TO BEAM. CHASE SLOTS IN CONCRETE FOR NEW BARS OR BUILD OUT EXISTING SURFACE AS REQUIRED. PROVIDE ¾ COVER OVER NEW REINFORCING.
5. COAT ALL THE NEW AND EXPOSED EXISTING REINFORCING WITH SIKA ARMATEC 110 EPOCEM.
6. PATCH CONCRETE WITH SIKATOP 123 PLUS.

LINTEL REPAIR NOTES:

7. AT 3 LOCATIONS ALONG LENGTH OF LINTEL BEAM REMOVE 1 FOOT WIDE SECTIONS OF MASONRY OR CONCRETE AT EXTERIOR TO EXPOSE STEEL LINTEL BEAM. LOCATIONS TO BE AT WINDOW JAMBS AND MIDSPAN. ARCHITECT AND ENGINEER TO EXAMINE CONDITIONS.
8. WHERE EXISTING STEEL IS FOUND TO HAVE CORRODED AND LOST SIGNIFICANT SECTION, REINFORCE BY ADDING CHANNEL AS SHOWN IN DETAIL X/XX.
9. REPLACE ANY MASONRY REMOVED.

PROBE REPAIR NOTES:

10. AT PROBE LOCATIONS REPLACE CONCRETE REMOVED FROM WEBS OF EXISTING BEAMS WITH NEW MASONRY OR CONCRETE. BUILD OUT TO ORIGINAL DIMENSIONS TO PROVIDE SUPPORT FOR ROOF SLAB.
11. WELD OR SCREW 16 GAGE BUCK ANCHORS TO WEB OF EXISTING BEAMS AT 12" O.C. VERTICAL AND HORIZONTAL TO ANCHOR NEW MASONRY OR CONCRETE.

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75

APR 27 2009

AUGUSTO E. JAVIER

210121429

Project Title:

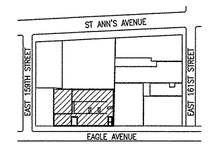
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Rivreside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan: N

Issued:

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1	05.27.08	BID SET
2	06.10.08	DOB SET
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4	08.13.08	REVISION 1

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853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
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Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
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Expeditor:
Upright Expediters

249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

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Seal:

Drawing Title:

ROOF STRUCTURAL PLAN

Project Number: **07022**

Date: 08/15/2008 Drawing #

Scale: 1/8" = 1'-0"

Drawn by: HAM

Checked by: KN

S-1.3

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LEGEND

- INDICATES NEW STEEL BEAM
- INDICATES EXISTING STEEL BEAM
- INDICATES 4 ½" NORMAL WEIGHT CONCRETE ON 2" 18 GA. COMPOSITE METAL DECK. (6 ½" TOTAL THICKNESS)
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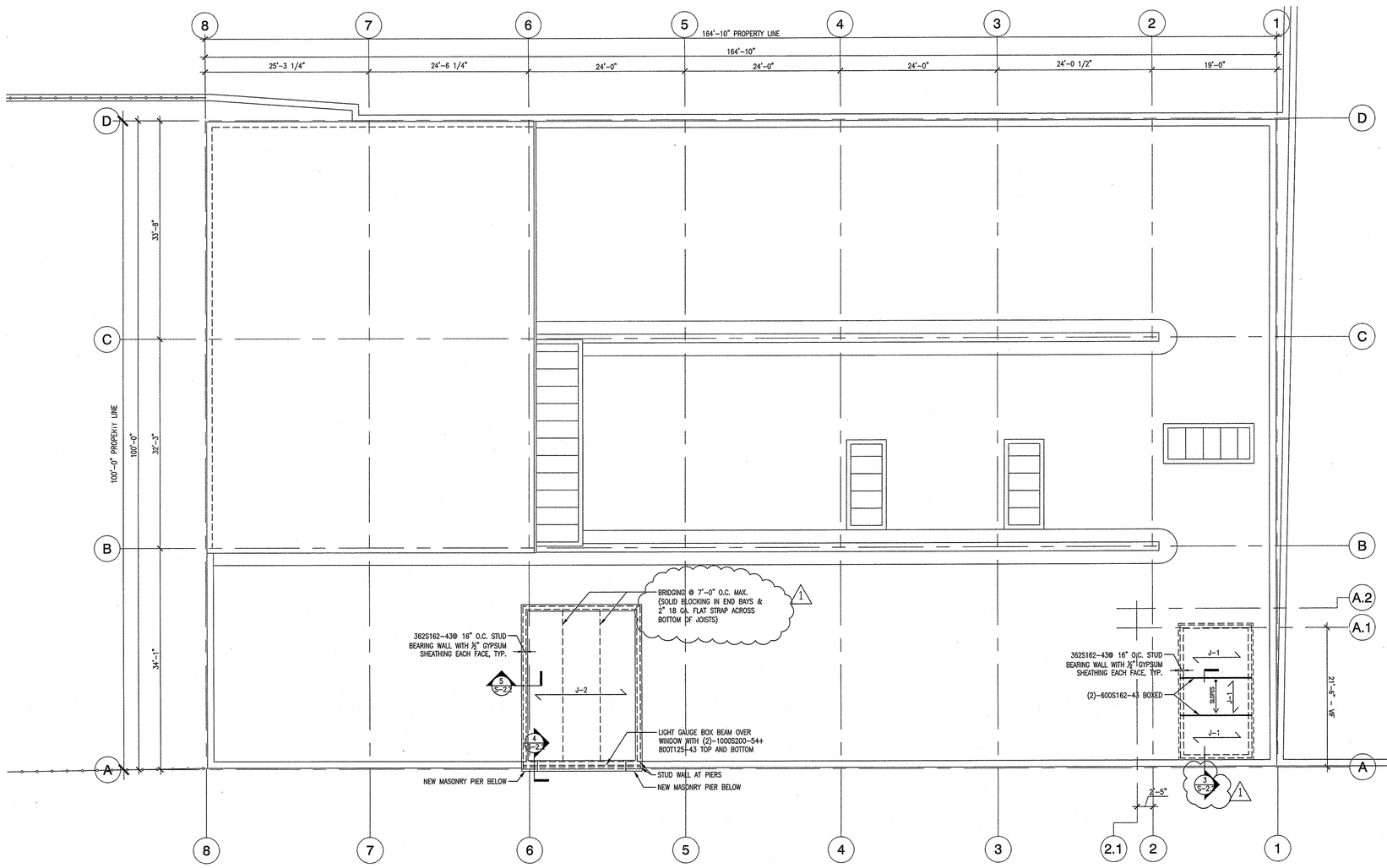

BULKHEAD STRUCTURAL PLAN

SCALE: ⅛" = 1'-0"

Project Title:

The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
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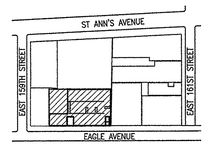

Key Plan:

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Structural Engineers
91 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:

Rodkin Cardinale, P.C.
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214 West 29th Street
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Seacliff, NY 11579
Tel: 516-676-2110

ISSUED FOR PERMIT
UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO E. ZAMER

210121429

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Seal:

Drawing Title:

BULKHEAD STRUCTURAL PLAN

Project Number: 07022

Date: 08/15/2008 Drawing #

Scale: 1/8" = 1'-0"

Drawn by: HAM

Checked by: KN

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STRUCTURAL NOTES

GENERAL

1. All structural work shall be coordinated with architectural and mechanical drawings and shall conform to the project specifications and the New York City Building Code.

2. Contractor shall provide temporary shoring, bracing, sheeting and make safe all floors, roofs, walls and adjacent property as project conditions require. Shoring and bracing shall be designed by a New York State licensed professional engineer hired by the contractor, who shall submit shop drawings and calculations for the Owner's review.

3. Dimensions and elevations of existing construction given in structural drawings are based on limited field observations and measurements. The contractor shall verify all information pertaining to existing conditions by actual measurement and observation at the site. All discrepancies between actual conditions and those shown in the contract documents shall be reported to the architect for his evaluation before the affected construction is put in place.

4. Notes and typical details apply to all work unless otherwise noted. For conditions not specifically shown, provide details of a similar nature and verify applicability by submitting shop drawings for review.

5. The contractor shall be solely responsible for the conditions of the jobsite at all times, including the safety of persons and property. The presence of the engineer or his representatives at the jobsite shall not constitute any responsibility for jobsite safety or for the contractor's means and methods of construction.

6. The contractor shall verify all conditions and dimensions in the field and shall be responsible for accurate installation. Only field-verified dimensions are to be used for preparation of shop drawings.

FOUNDATIONS

7. Building foundations shall bear on earth having a minimum bearing capacity of 8 tons per square foot, class 5-65 or better. Adequacy of bearing stratum shall be verified in field by the engineer for controlled inspection prior to placing concrete. Adjust bottom of footings elevations as required.

8. Backfill for foundation walls and utility trenches beneath slabs on grade should be performed in a controlled manner using material free of organic material and debris. Fill material should be compacted with a vibratory plate or roller, or ?jumping jack? type compactor. The fill material should be placed in 8 inch thick loose lifts and compacted to 95% of maximum dry density as determined by ASTM D1557.

9. Slab on grade shall be placed on select granular fill comp acted to at least 95 percent maximum modified dry density per ASTM D1557. See typical detail for additional information.

10. Do not undermine existing footings or slabs.

11. Provide waterstops in all vertical construction joints in foundation walls.

CONCRETE

12. All concrete work shall conform to the ACI "Building Code Requirements for Reinforced Concrete" (ACI 318), latest edition.

13. All concrete works shall comply with ACI 301 "Specifications for Structural Concrete for Buildings". Work shall also conform to the requirements and recommendations of the following ACI documents: 305R, 306.1, 306R, 211.1, 211.2, 214, 304R, 304.2R, 304.5R, 309R, 308, 302.1R, SP-66, 117, 347R.

14. All concrete shall be normal weight concrete (150 lbs./ft3) with a minimum ultimate compressive strength of 4,000 psi at 28 days. All concrete shall contain a water reducing agent.

15. All concrete on composite metal deck shall be f'c=4,000 psi (ultimate compressive strength at 28 days) made with normal weight aggregate. Unit weight shall be 150 lbs./ft3.

16. Reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60. Reinforcing steel shall be detailed according to the ACI "Manual of Standard Practice" (ACI 315), latest edition.

17. Welded wire fabric (WWF) shall conform to ASTM A185, with a minimum ultimate tensile strength of 70,000 psi.

18. Provide minimum temperature reinforcement, as required by ACI_318, in all slabs and walls where reinforcement is not indicated on drawings.

19. Coordinate size and location of all openings and pipe sleeves with architectural and mechanical drawings. Minimum concrete between sleeves shall be 6".

20. All grout shall be nonshrink with a minimum compressive strength of 5000 psi.

21. Provide clearance from face of concrete to reinforcement as follows:

slabs:	3/4"
beams, columns:	1 1/2"
footings:	3"
foundation walls:	2" for #6 or larger,
	1 1/2" for #5 of smaller

Provide corner reinforcing bars to lap all longitudinal bars in walls and beams around corners. Lap length to be minimum tension development length as required by the ACI.

22. Slabs on grade shall be 5" thick poured over a 6" layer of porous fill with a 6 mil. polyethylene vapor barrier between the slab and porous fill. Provide 66 ? W2.9 x W2.9 welded wire fabric placed 1" from the top of slab in all slabs on ground.

23. A design mix conforming the requirements of the NYC Building Code shall be submitted to the engineer for approval. No concrete shall be placed without an approved design mix.

24. Shop drawings shall be submitted to the structural engineer for review and approval. No fabrication of reinforcing bars or placing of concrete shall commence without approved shop drawings.

25. All epoxy resins, polymer_modified cementious materials and bonding agents shall be products manufactured by the Sika Corp. or approved equal. Follow all manufacturer's specifications and recommendations.

26. All reinforcement shall be securely held in position while placing concrete. If necessary, additional bars shall be provided by the contractor to furnish support.

27. Location of all construction joints not shown in these drawings shall be submitted to the engineer for approval prior to detailing of reinforcement. Engineer may require additional reinforcing at such joints.

CONCRETE BLOCK

28. All concrete block work shall conform to the "Building Code Requirements for Masonry Structures (ACI 530/ASCE 5)".

29. Concrete block shall be of light weight aggregate and conform to the following standards:
    a. Solid Block: ASTM C90, Grade N1 (F'M: 1700 psi on net area)
    b. Hollow Block: ASTM C90, Grade N1 (F'M: 1700 psi on net area.)
    c. Coordinate block types with structural and architectural drawings.

30. All mortar shall be ASTM C270, Type S.

31. Unless otherwise noted provide prefabricated joint reinforcement, conforming to ASTM A951, in every 2nd course of masonry. Wire shall conform to ASTM A82, minimum 9 ga. for 8? walls and 3/16? dia. for larger walls.

32. Prefabricated joint reinforcement shall be hot dip galvanized conforming to ASTM A153 Class B2.

33. Lap splices for prefabricated joint reinforcement shall be 9? minimum.

34. Reinforcing bars shall be deformed bars conforming to ASTM A615, Grade 60. Lap splice reinforcing a minimum of 48 bar diameters.

35. All block dimensions indicated on structural plans are nominal dimensions.

36. All grout shall "fine grout" or "course grout" conforming to ASTM C-476.

37. Grout block cells solid at all reinforcing bars.

STRUCTURAL STEEL

38. All structural steel work shall conform to the following governing standards:
    a. AISC "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings", latest edition.
    b. The American Welding Society (AWS D1.1) "Code for Welding in Building Construction", latest edition.

39. All structural steel shall conform to the following ASTM specifications:
    a. Wide flange shapes & structural tees: ASTM 992-50
    b. Channels, Angles & plates: ASTM A36
    c. Pipe sections: ASTM A501, or ASTM A53, Type E of S, Grade B.
    d. Tube sections: ASTM A500, Grade B, Fy=46ksi.
    e. Bolted connections of beams or girders are to be made with ASTM A325 bolts (3/4" minimum diameter).
    f. Anchor bolts shall be ASTM F1554 Grade 36, 55 or 105.

40. Steel connections shall be standard AISC framed beam connections.
    a. For non_composite members. Provide connections based on reactions as determined from AISC uniform load table. (Unless otherwise noted on plans.)
    b. For composite members. Provide connections based on 1.5 times the reactions from the AISC uniform load table. (Unless otherwise noted on plans).
    c. Reinforcing is to be provided at connections where cuts reduce the shear or moment capacity below that required to sustain the reaction. Flanges and web are to be reinforced where the local capacity to sustain connection load is inadequate.
    d. Connections shall be designed for shear and eccentricity, considering that the connection is an extension of the beam and girders.

41. Welding shall be performed by certified welders licensed by the Commissioner of Buildings. Welding electrodes shall be ASTM A233, Class E70XX for new steel. Electrodes for welding existing steel shall be determined by field tests conducted by the contractor and his testing laboratory.

42. Shop prime paint exposed steel members and all steel members at the exterior wall.

43. Shop and erection drawings shall be submitted to the structural engineer for review and approval. No fabrication of steel shall commence without approved shop drawings.

44. Lintels shall be installed over all openings in masonry walls as follows:

Masonry Opening	Lintel
4'-0" or less	L 4" x 3 1/2" x 5/16"
4'-1" to 7'-0"	L 6" x 3 1/2" x 5/16"

3 1/2" legs are horizontal.

    a. Provide one angle for each 4" of wall thickness.
    b. Provide L 5" x 5" x 5/16" angle for 6" thick walls and partitions.
    c. Provide minimum 6" bearing at each end.
    d. Lintels over 4'-0" shall be fireproofed.

45. Provide 5/16" thick shelf angles at columns and beams as required to provide end and side deck supports.

STEEL JOISTS

46. Steel joists shall be designed, fabricated and erected in accordance with the ?Standard Specifications for Open Web Steel Joists, K-Series? or the ?Standard Specifications for Open Web Steel Joists, LH-Series? by The Steel Joist Institute (SJI).

47. Steel joists shall be designed by manufacturer, the manufacturer?s engineer shall be responsible for the design adequacy of all steel joists to support loads specified here-in.

48. Unless otherwise noted, steel joists shall be designed as simply supported, uniformly loaded trusses. The joist top chord shall be considered braced against lateral buckling by the steel roof deck.

49. Steel joists shall be designed for the following base roof loads:

    a. Dead load = 25 psf
    b. Live load = 30 psf (includes snow load)
    c. Wind pressure or suction load = 8 psf
    d. Additional design loads shown on the drawings shall be considered in the design of the joists.
    e. Deflections under live loads shall not exceed 1/360 of span and deflections under total load shall not exceed 1/240 of span.

50. Steel joists shall be fabricated with the following approximate camber:

Top Chord Length	Approximate Camber
30?-0?	3/8?
40?-0?	5/8?
50?-0?	1?
60?-0?	1 1/2?

51. Top and bottom chord bridging including attachment and anchorage details shall be provided as required and recommended by The Steel Joist Institute and OSHA.

STEEL DECK

52. All metal deck work shall conform to the AISI "Specification for the Design of Cold_formed Steel Structural Members," latest edition.

53. Composite metal deck shall typically be continuous over a minimum of three (3) spans in the direction indicated; use single or double spans only where required by framing geometry.

54. All metal deck units and accessory items shall be formed from steel sheets conforming to ASTM A611 with a minimum yield strength of 33,000 psi. Before forming, the steel sheet shall receive a protective metal coating of zinc conforming to ASTM A653, Grade 60. (ASTM A611 or A633 coat with ASTM A653 grade 90)

55. All metal deck shall be shored as required by plans or by span and load conditions to support wet weight of concrete and all construction loads.

56. All unframed deck openings in composite deck with concrete larger than 6" shall be reinforced as follows:
    a. Holes 6" _ 10"/parallel to deck span, 12" max/perpendicular to span: 16 gauge flat sheet extending 6" beyond hole on all sides.
    b. Holes 10" _ 24"/perpendicular to span, 12" max/parallel to span: C4 x 5.4 channels on flat, each side, perpendicular to deck span, extending a minimum of 3 ribs beyond opening.
    c. Opening larger than these dimensions require supplemental framing.
    d. All reinforcement shall be welded to the top side of deck.

57. Except as otherwise noted, edge laps shall be connected with 3/4" diameter. fusion welds at a spacing to provide sufficient diaphragm strength to maintain building alignment and to sustain local construction loads without distortion or separation. Maximum spacing shall be 3'_0" o. c.

58. Except as otherwise noted, deck shall be attached to structural steel by 3/4" diameter. fusion welds at 12" o.c. at end and interior supports perpendicular to the deck span and at edge and interior supports parallel to the deck span. Welds may be omitted in ribs in which shear connectors are to be applied, except that each deck section shall have sufficient welds to adequately secure deck, bring the deck into direct contact with the supporting steel and to provide sufficient diaphragm strength to maintain building alignment.

LIGHT GAGE STEEL FRAMING

59. All lightweight steel framing work shall comply with the ANSI "North American Specifications for the Design of Cold Formed Steel Structural Members", ASTM C955 ?Standard Specification for Load Bearing Steel Studs??, ASTM C1007 ?Standard Specification for the installation of Load Bearing Steel Studs and related Accessories?, ANSI A42.4 and the Metal Lath Association "Specifications for Metal Lathing and Furring".

60. Install metal framing in accordance with manufacture's written instructions and recommendations, unless otherwise indicated. All materials shall be galvanized.

61. All products to be manufactured by the current members of the Steel Stud Manufacturers Association.

62. All structural members shall be designed in accordance with the American Iron and Steel Institute (AISI) "Specification for the of Cold-Formed Steel Structural Members" latest edition.

63. Provide metal studs and/or joist and all accessories including, but not limited to, tracks, clips web stiffeners, anchors, fastening devices, resilient clips, and accessories required for a complete and proper installation, and as recommended by the manufacturer for the steel members used.

64. Fastening of components shall be with self-drilling screws or welding. Screws shall be minimum no. 8 and of sufficient number to insure the strength of the connection. Wire tying of components shall not be permitted.

65. Prior to fabrication of framing, the contractor shall submit shop drawings to the architect or engineer to obtain approval.

66. In all doubled jamb studs and doubled headers not accessible to insulation contractors, insulation equal to that specified elsewhere shall be provided.

67. Temporary bracing where required, shall be provided until erection is complete.

68. Lateral bracing shall be provided by use of gypsum board and gypsum sheathing or by horizontal straps or cold-rolled channels. Bracing shall conform to Section D3 of the AISI Specification.

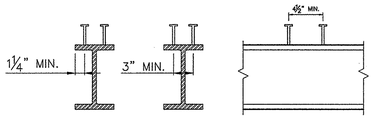
69. Framing of wall openings for doors or windows shall include box headers of same size and gage as studs and an added supporting jamb stud at each side.

70. For built up box beams provide a minimum of #8 screws at 6? o.c. between each leg of the top and bottom tracks to the side members.

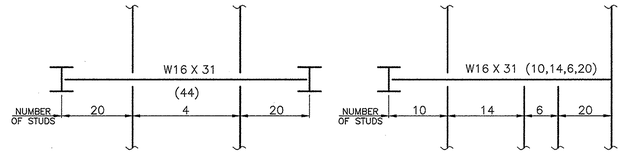
71. Web stiffeners shall be provided at reaction points and/or points of concentrated loads or where indicated on the drawings.

CONTROLLED INSPECTIONS

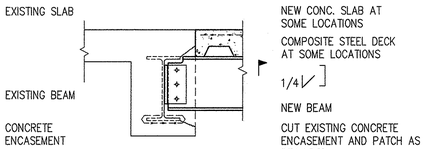
1. Controlled inspections required by the New York City Building Code shall be performed by a testing agency provided by the contractor, for the following items:
    i. Welding
    ii. High strength bolting
    iii. Subgrade for foundations
    iv. Quality control of concrete materials, batching, strength, slump, air content, unit weight, temperature, forms, size and placement or reinforcement
    v. Masonry
    vi. Stability of building during construction.
    vii. The testing agency for the controlled inspection shall file all appropriate forms with the building department.
    viii. Note that Nash Associates Structural Engineers has not been retained for and is not responsible for construction inspections or supervisions.



1. WHERE A SINGLE NUMBER IS INDICATED ( ) IN PLAN THE NUMBER OF SHEAR STUD CONNECTORS SHALL BE DISTRIBUTED UNIFORMLY ALONG THE LENGTH OF THE BEAM, UNLESS OTHERWISE NOTED.
2. STUDS SHALL BE PLACED IN A SINGLE ROW OVER WEB WHERE POSSIBLE.
3. WHERE THE NUMBER OF STUDS EXCEEDS THE MAXIMUM THAT CAN BE PLACED IN A SINGLE ROW, PLACE AS MANY STUDS AS POSSIBLE IN A SINGLE ROW (BASED ON MINIMUM SPACING) AND ADD REMAINDER AT END OF SPAN IN MULTIPLE ROWS.
4. WHERE A SINGLE NUMBER IS INDICATED ( ) IN PLAN AND THE EXTENT IS DESIGNATED BY ARROWS, THE NUMBER OF SHEAR CONNECTORS SHALL BE DISTRIBUTED UNIFORMLY ALONG THE DESIGNATED LENGTH.
5. WHERE A SERIES OF NUMBERS ARE INDICATED ( ) FOR BEAM OR GIRDERS SUPPORTING OTHER BEAMS THE SHEAR CONNECTORS SHALL BE DISTRIBUTED AS IN THE FOLLOWING EXAMPLES:
6. STUDS ARE NOT PERMITTED TO BE SHOP FASTENED.



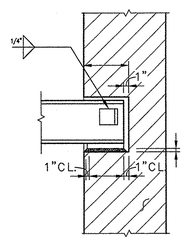
1 COMPOSITE BEAMS STUD SHEAR CONNECTORS (TYPICAL)



NOTE:

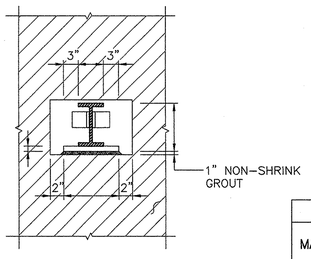
1. STANDARD AISC FRAMED BEAM CONNECTION TO DEVELOP 50% OF TABULATED UNIFORM LOAD CAPACITY OF BEAM FOR RESPECTIVE SPAN. WELD 2 '3' TO EXISTING BEAM. (INCREASE REACTION BY 50% FOR COMPOSITE BEAMS).
2. CUT EXISTING CONCRETE ENCASEMENT AND PATCH AS REQUIRED.
3. IF EXISTING CONNECTIONS INTERFERE WITH THIS DETAIL, CONTRACTOR SHALL SUBMIT ALTERNATE DETAIL FOR REVIEW.

2 CONNECTION OF NEW BEAM TO EXISTING (TYPICAL)



NOTE: FILL HOLLOWS IN WALL UNDER BEARING PLATE SOLID WITH MORTARED BRICK BEFORE PLACING PLATE.

SECTION



NOTE: CUT POCKET IN WALLS AS SHOWN. AFTER BEAM IS INSTALLED BRICK UP POCKET SOLID. FULL MORTAR BEDDING IN ALL H & V BRICK JOINTS, TO POCKET FACES AND TO BEAM. (ALTERNATE: GROUT SOLID)

ELEVATION

BEAM BEARING PLATE SCHEDULE

MARK	LENGTH ("TO BM)	WIDTH (⊥TO BM.)	THICKNESS
BP1	8"	8"	3/4"
BP2	8"	10"	3/4"
BP3	10"	10"	3/4"
BP4	8"	12"	1"
BP5	8"	5"	1/2"
BP6	6"	6"	5/8"

3 BEAM BEARING ON EXISTING WALL (TYPICAL)

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APR 27 2009
AUGUSTO E. JAVIER

Project Title:

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A Conversion of an Existing Warehouse into a New High School Building
831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

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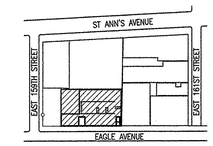
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	05.27.08	BID SET
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3	07.31.08	ISSUED FOR CONSTRUCTION
4	08.13.08	REVISION 4

Revisions:

Architect:

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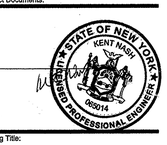
Seal:



Drawing Title:

TYPICAL STRUCTURAL DETAILS & NOTES

Project Number: 07022

Date: 08/15/2008 Drawing #
Scale: N.T.S. S-2.0
Drawn by: HAM
Checked by: KN

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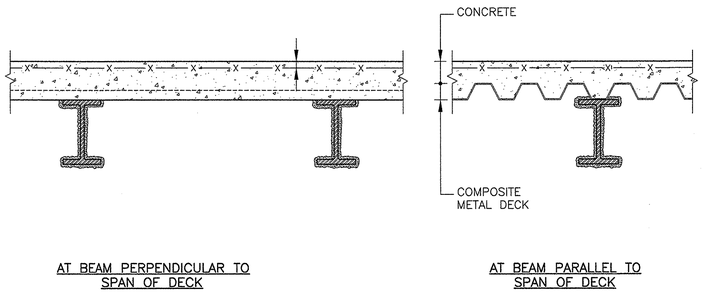
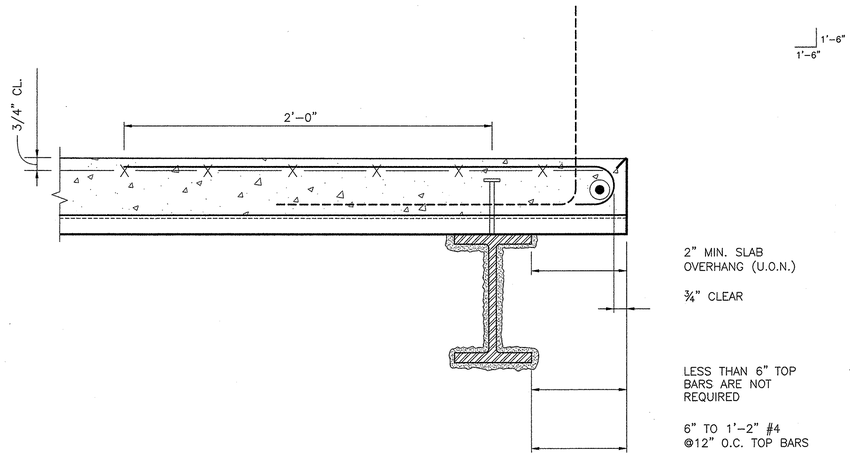
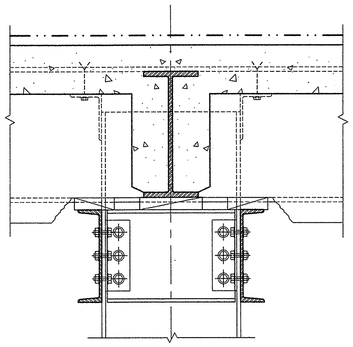


AT BEAM PERPENDICULAR TO SPAN OF DECK

AT BEAM PARALLEL TO SPAN OF DECK

1 COMPOSITE SLAB CONSTRUCTION (TYPICAL)

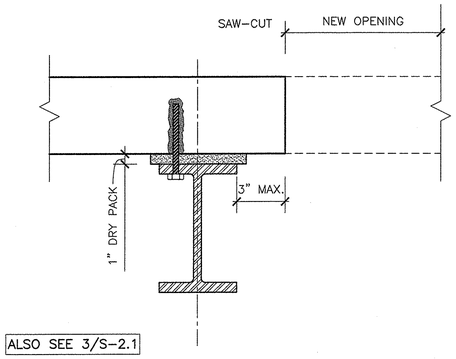




EE 5/S-2.1

2 SECTION AT COLUMN A2-2.1

1 ½"=1'-0"

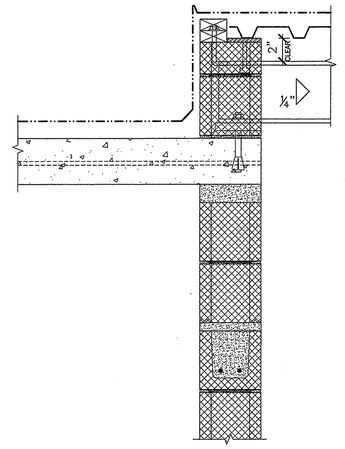


ALSO SEE 3/S-2.1

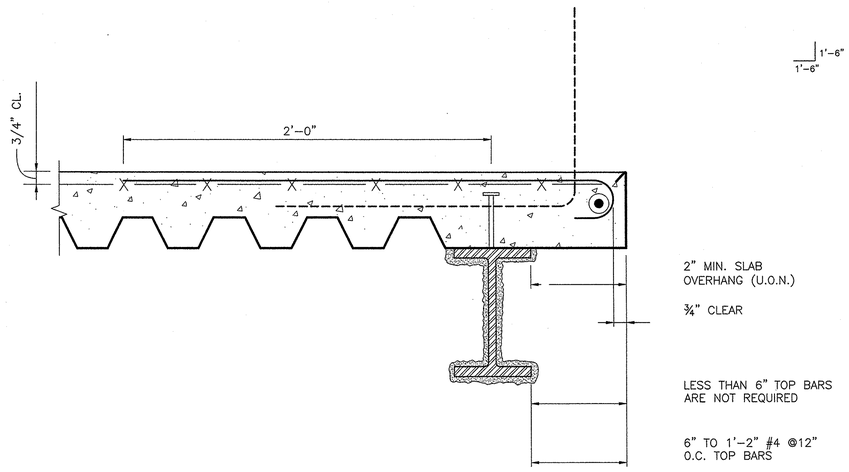
CONSTRUCTION SEQUENCE

1. ERECT BEAM AND DRYPACK. DRYPACK (1) PART CEMENT + (2) PART SAND AND ZERO SLUMP.
2. AFTER DRYPACKING HAS CURED SAW-CUT PERIPHERY OF OPENING AND REMOVE CONCRETE WITHIN SO AS TO NOT DAMAGE REMAINING FINISHES AND STRUCTURE.

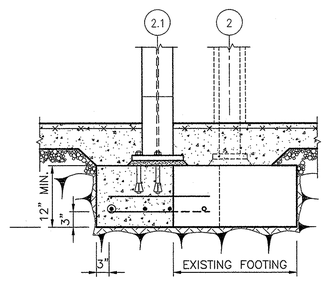
3 BEAM @ NEW FLOOR OPENING (TYPICAL)



4 DETAIL OF COMPOSITE FLOOR DECK – PERPENDICULAR EDGE CONDITION (TYPICAL)



5 DETAIL OF NEW BEAM ALONG NEW OPENING IN EXISTING SLAB (TYPICAL)

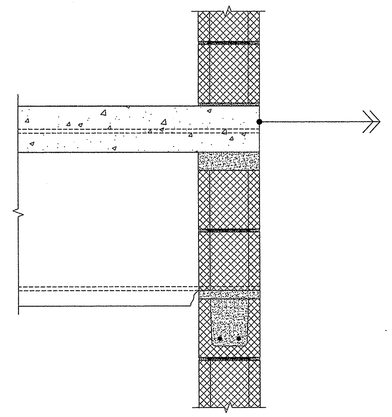


NOTES:

NEW FOOTING TO WRAP AROUND EXISTING. VERIFY SIZES IN FIELD.

6 SECTION AT ELEVATOR ROOF

SCALE: 1 ½"=1'-0"



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APR 27 2009

AUGUSTO E. JAVIER

7 DETAIL OF COMPOSITE FLOOR DECK – PARALLEL EDGE CONDITION (TYPICAL)

8 SECTION AT NEW COLUMN

9 SECTION AT ELEVATOR (TYPICAL)

SCALE: 1 ½"=1'-0"

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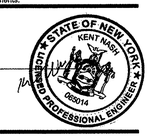
Seal:



Drawing Title:

TYPICAL STRUCTURAL DETAILS

Project Number: **07022**

Date: 08/15/2008 Drawing #

Scale: SEE DTL.

Drawn by: HAM

Checked by: KN

S-2.1

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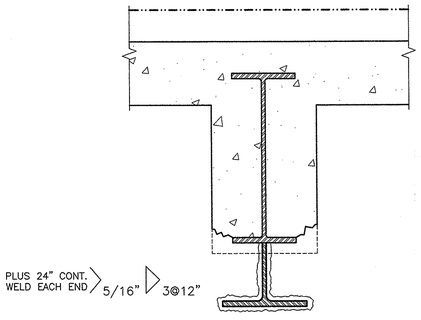
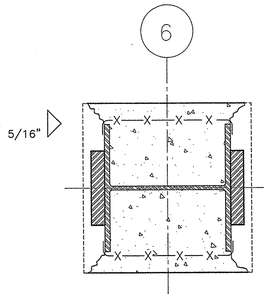
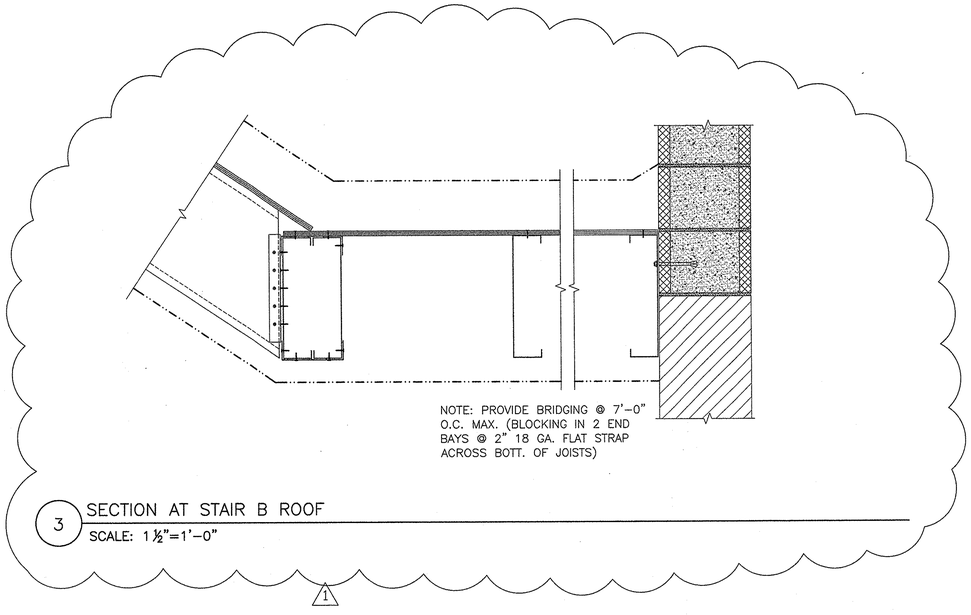


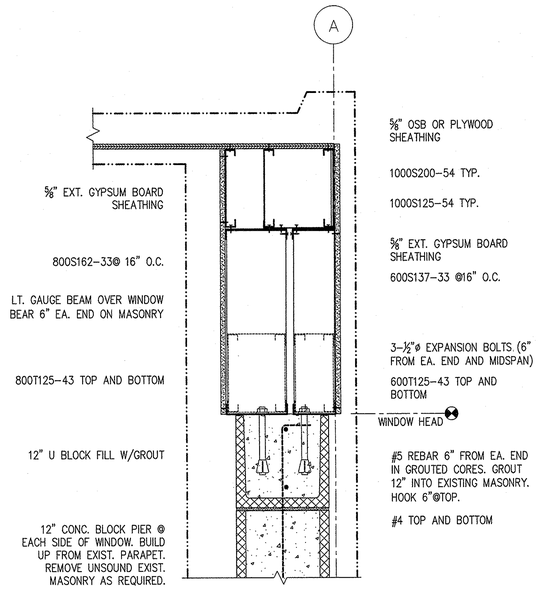
1 SECTION AT
SCALE: 1½"=1'-0"



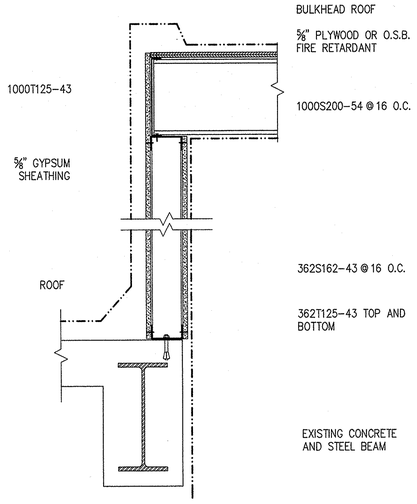
2 COLUMN REINFORCEMENT-DETAIL 2A/S2.2 & 2B/S2.2
SCALE: 1½"=1'-0"



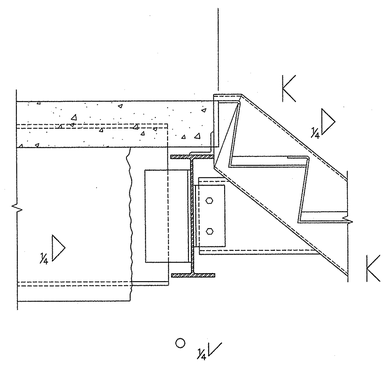
3 SECTION AT STAIR B ROOF
SCALE: 1½"=1'-0"



4 SECTION AT STAIR A
SCALE: 1½"=1'-0"



5 LIGHT FRAMING AT BULKHEADS (TYPICAL)
SCALE: 1½"=1'-0"



6 SECTION AT STAIR
SCALE: 1½"=1'-0"

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUSTO B...

210121429

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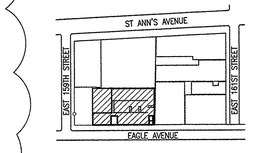

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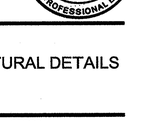

Drawing Title:

STRUCTURAL DETAILS

Project Number: 07022
Date: 08/15/2008 Drawing #
Scale: 1/2" = 1'-0"
Drawn by: HAM
Checked by: KN

S-2.2

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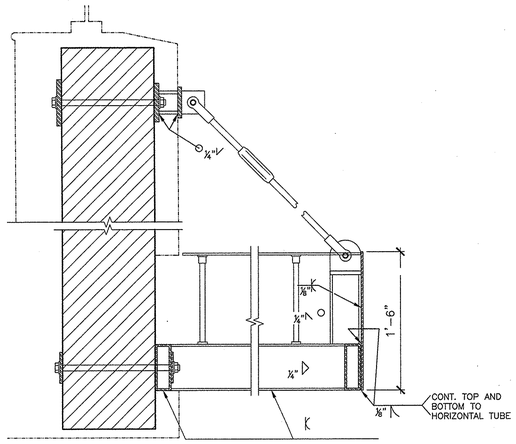

1 SECTION AT CANOPY
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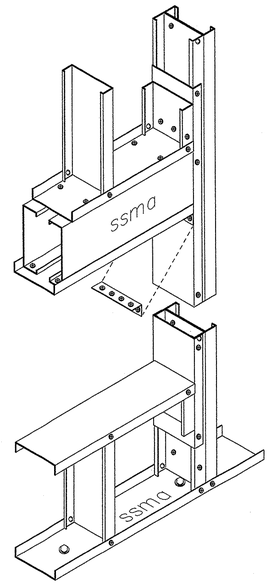
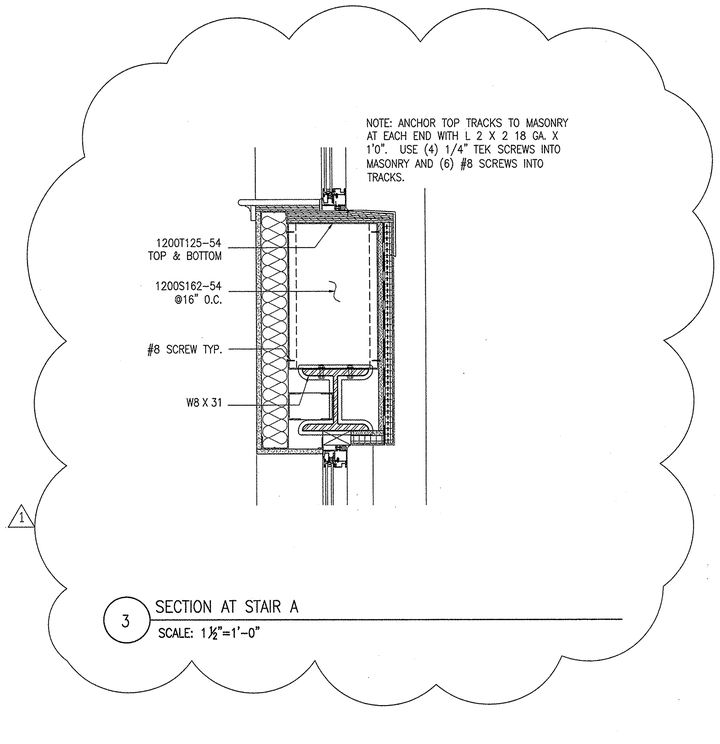


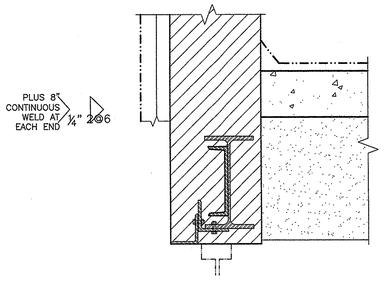
2 DETAIL AT GYM WALL WINDOWS (TYPICAL)
SCALE: N.T.S.



3 SECTION AT STAIR A
SCALE: 1½"=1'-0"

NOT USED

4



5 SECTION AT EAST WALL
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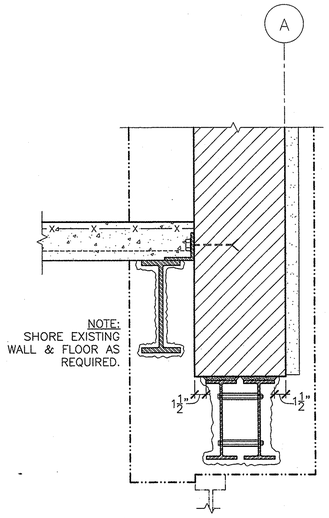

6 SECTION AT NEW LINTEL
SCALE: 1½"=1'-0"

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APR 27 2009
AUGUS...
ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75
APR 27 2009
AUGUST...

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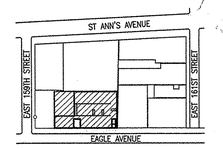

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Drawing Title:

STRUCTURAL DETAILS

Project Number: 07022
Date: 08/15/2008 Drawing #
Scale: 1/2" = 1'-0"
Drawn by: HAM
Checked by: KN

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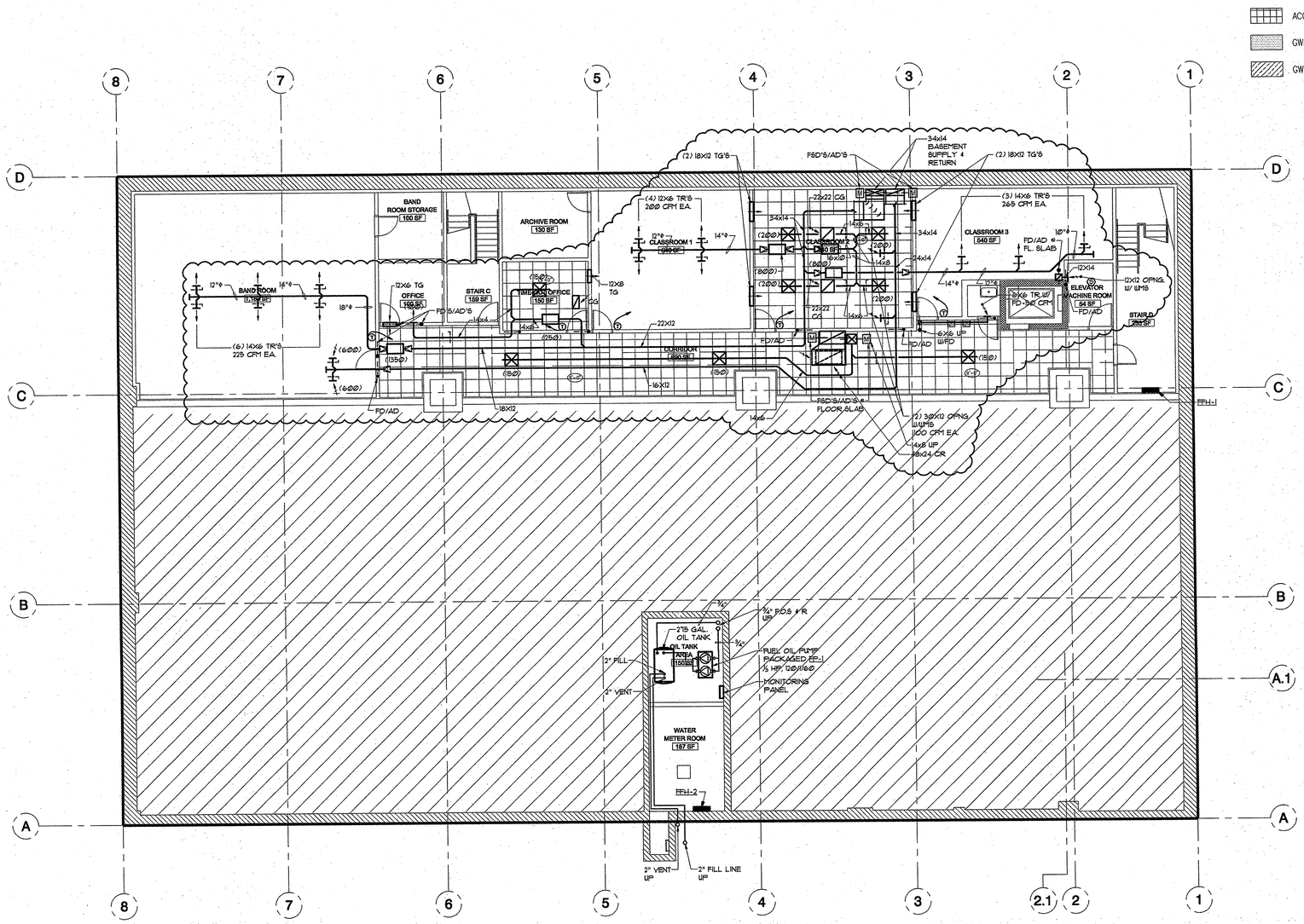

BASEMENT PLAN

SCALE: 1/8" = 1'-0"

Project Title: PHASE 2

The New LIFE Secondary School

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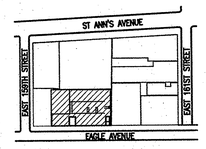

Key Plan:

Issued:

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	12.04.08	BULLETIN #1

Revisions:

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Magnusson Architecture & Planning PC
353 Broadway, Suite 500 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.magarchitects.com

Structural Engineer:

Nash Associates Structural Engineers
61 MacDougal Street, Suite 309
New York, NY 10012
Tel: (917) 545-8649

MEP Engineer:

Rodkin Cardinale, P.C. Consulting Engineers
214 West 29th Street
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Tel: (212) 239-1662 Fax: (212) 239-0412

Expediter:

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APR 27 2009

AUGUSTO E. JAVIER 210121429

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Seal:

Drawing Title:

MECHANICAL BASEMENT PLAN

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F. **M-1.0**

Checked by: D.C.

RC 0602

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NEW CONSTRUCTION SHALL COMPLY WITH NYC LOCAL LAW 17/85 AND RS 9-6

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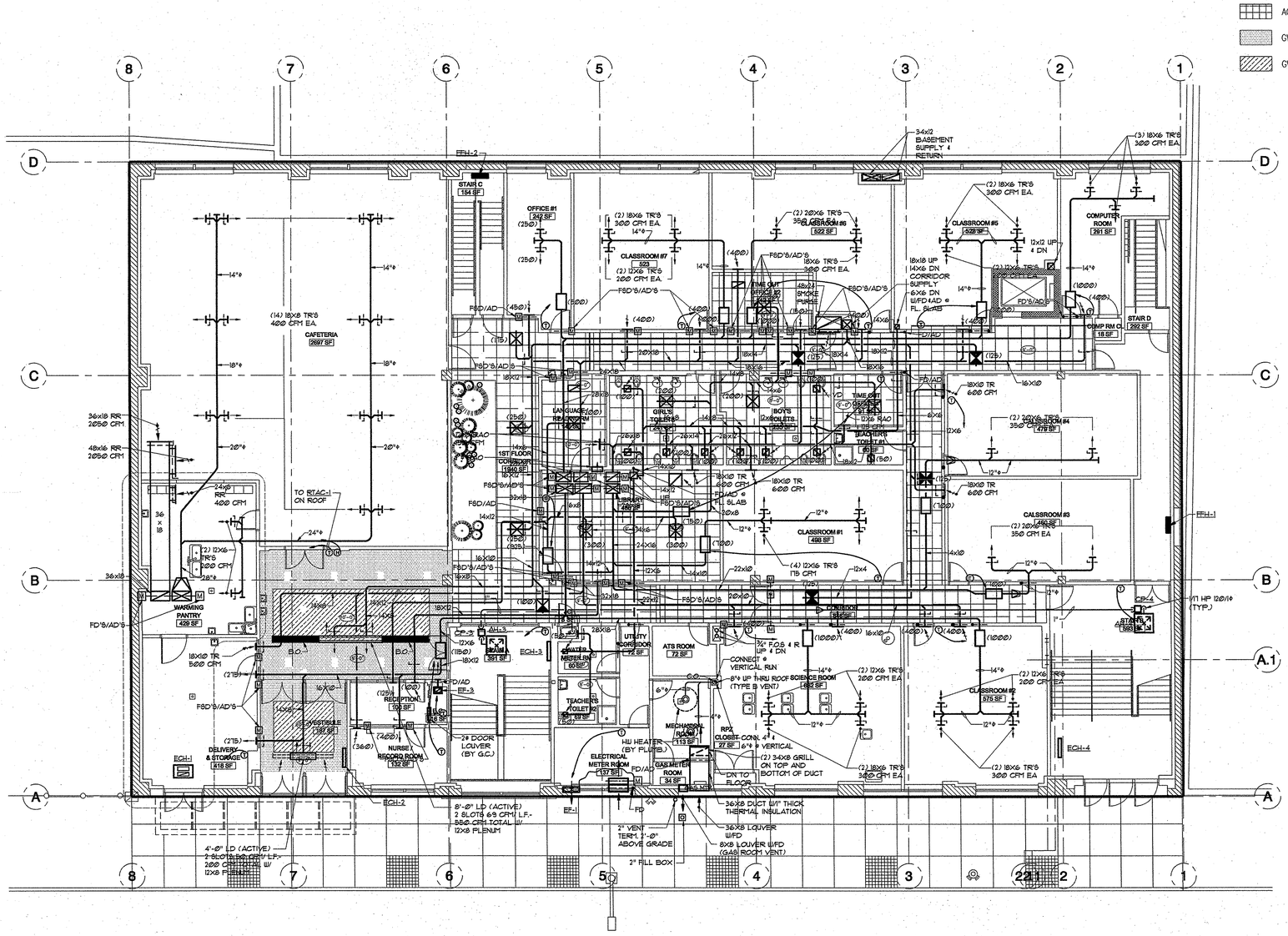

FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. PROVIDE CABLE OPERATED DAMPERS ON ALL VOLUME DAMPERS LOCATED ABOVE GYPSUM BD. CLG. OR INACCESSABLE CEILING.
2. PROVIDE VOLUME DAMPERS ON ALL BRANCH RUNOUTS.
3. ALL EXPOSED DUCTWORK TO BE ROUND SPIRAL.

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75

APR 27 2009

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210121429

NEW CONSTRUCTION SHALL COMPLY WITH NYC LOCAL LAW 17/95 AND RS 8-6

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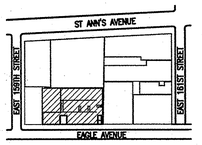
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



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Revisions:

Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 806 New York, NY 10003
Tel (212) 353-7820 Fax (212) 353-1276
www.mapcharchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 543-0546

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expeditors

249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

Drawing Title:

MECHANICAL
FIRST FLOOR PLAN

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F.

Checked by: D.C.

M-1.1

RC 0802

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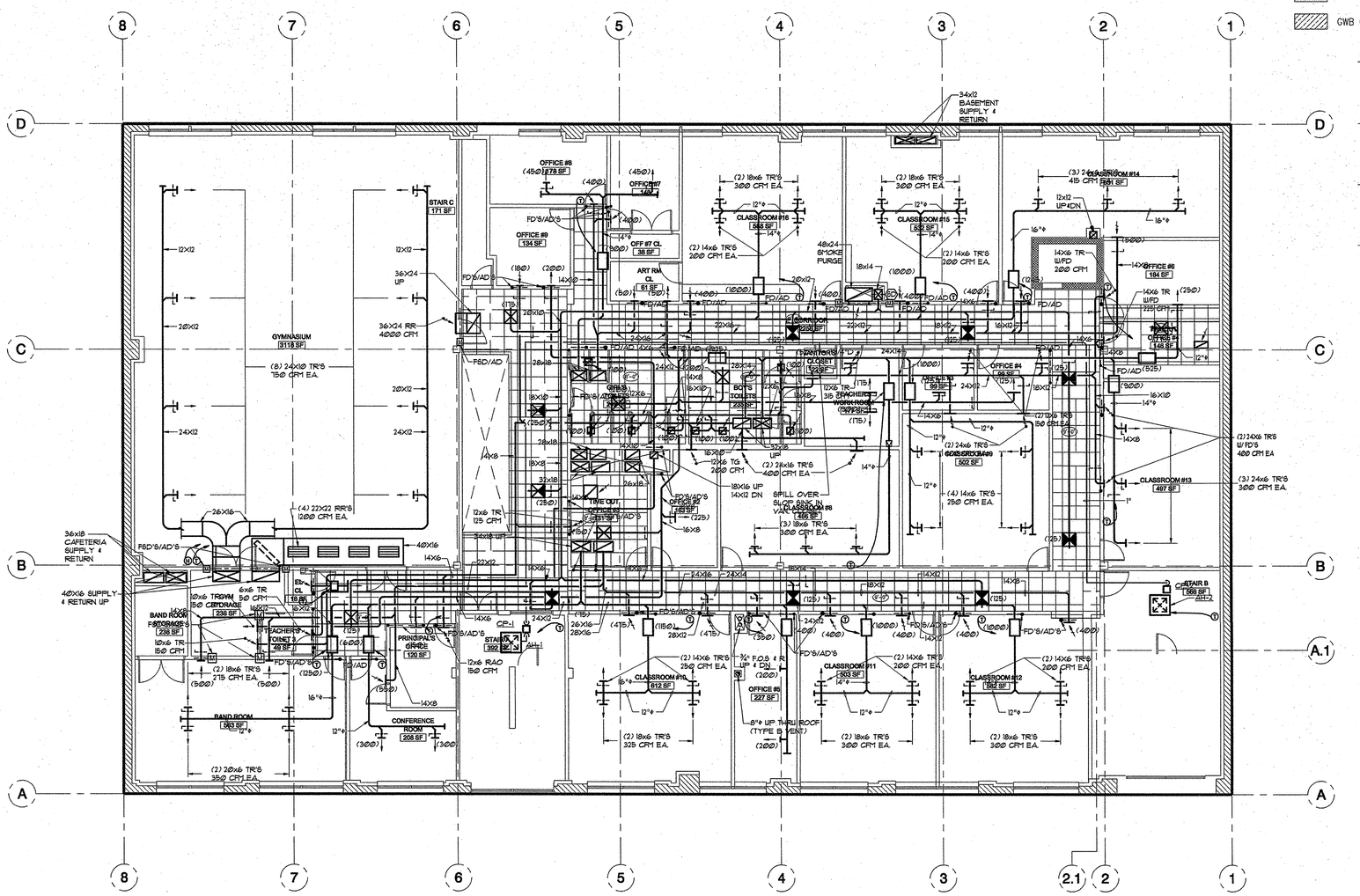


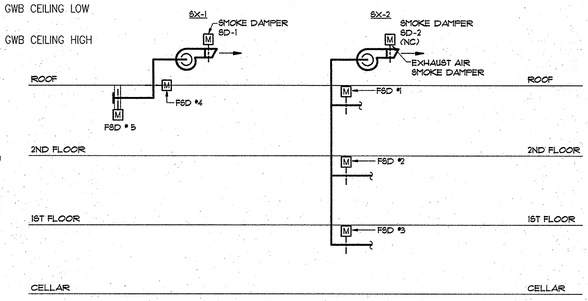
SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

ACOUSTIC CEILING TILE

GWB CEILING LOW

GWB CEILING HIGH



SMOKE PURGE SYSTEM RISER DIAGRAM

NO SCALE

SMOKE PURGE FOR SX-1:

A. NORMAL MODE:

1. SX-1 IS CLOSED, FIRE/SMOKE DAMPERS FSD-4 & 5 ARE ELECTRICALLY HELD IN OPEN POSITION & SMOKE DAMPER SD-1 SHALL BE CLOSED.

B. SMOKE PURGE MODE:

1. UPON SIGNAL FROM FIRE ALARM SYSTEM, FIRE/SMOKE DAMPERS FSD-4 & 5 SHALL CLOSE, SMOKE DAMPER SD-1 SHALL REMAIN CLOSE, SX-1 SHALL BE CLOSED. FROM SMOKE PURGE PANEL ALL DEDICATED FIRE/SMOKE DAMPERS FSD-4&5, SX-1 & SMOKE DAMPER SD-1 SHALL BE OPEN. PURGE SHALL BE ONE FLOOR AT A TIME.

SMOKE PURGE SYSTEM SX-2 (GYMNASIUM PURGE) SEQUENCE OF OPERATION

A. NORMAL MODE:

1. SX-2 IS CLOSED & ALL FIRE/SMOKE DAMPERS FSD-1 THRU 3 ARE ELECTRICALLY HELD IN OPEN POSITION, SMOKE DAMPER, SD-2 IS CLOSED.

B. SMOKE PURGE MODE:

1. UPON A SIGNAL FROM THE FIRE ALARM SYSTEM, ALL FIRE/SMOKE DAMPERS FSD-1 THRU 3 SHALL CLOSE, SD-2 SHALL REMAIN CLOSE. SX-2 SHALL BE CLOSED. FROM THE SMOKE PURGE PANEL ALL DEDICATED FIRE/SMOKE DAMPERS FSD # 1 & 2 & 3 & SX-2 & SMOKE DAMPER SD-2 SHALL BE OPEN. PURGE SHALL BE ONE FLOOR A TIME AS PER NYC BLDG. CODE

NOTE:

HVAC CONTRACTOR SHALL COORDINATE WORK WITH FIRE ALARM CONTRACTOR AND SUBMIT A COORDINATED SHOP DRAWINGS FOR REVIEW TO ENGINEER.

GENERAL NOTES:

1. PROVIDE EQUIPMENT SUPPORT(ROOF CURB) FOR ALL ROOFTOP AC UNITS.
2. ALL REFRIGERANT PIPING TO BE INSULATED WITH 1½" FIBERGLASS.
3. ALL DUCTWORK RUNNING EXPOSED TO WEATHER (OUTDOORS) SHALL HAVE 2 COATS OF WATERPROOF MASTIC IN ADDITION TO RIGID EXTERNAL 1" ACOUSTICAL INSULATION. PROVIDE 1" ACOUSTICAL LINING A MINIMUM OF 15 FEET DOWNSTREAM & UPSTREAM OF ALL ROOFTOP AC UNITS, & EXHAUST FANS AND DOWNSTREAM OF ALL VAV BOXES. EMBED (2) LAYERS OF GLASS CLOTH OVER INSULATION JACKET INTO WET COAT OF MASTIC. APPLY SAME COATING TO ENTIRE SURFACE.
4. ALL EXHAUST FANS AND ACC-1 & 2 ON CURBS WITH SPRING VIBERATION ISOLATORS.
5. ALL PIPING LAYOUT & SIZES FOR ACC-1 & 2 SYSTEMS TO BE AS PER MFR'S RECOMENDATION. START-UP & SUPERVISION AS PER MANUFACTURER
6. PE-1 TRAU 6: POWER EXHAUST TO BE FIELD MOUNTED, ELECT. DATA-¾ HP @ 208V/1ϕ

GENERAL NOTES:

1. PROVIDE CABLE OPERATED DAMPERS ON ALL VOLUME DAMPERS LOCATED ABOVE GYPSUM BOARD CLG. OR INACCESSABLE CEILING.
2. PROVIDE VOLUME DAMPERS ON ALL BRANCH RUNOUTS.
3. ALL EXPOSED DUCTWORK TO BE ROUND SPIRAL.

NEW CONSTRUCTION SHALL COMPLY WITH NYC LOCAL LAW 17/85 AND RS 9-6

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

Project Title: PHASE 2

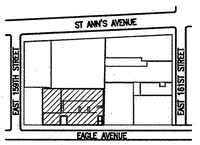
The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
476 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



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Architect:
Magnusson Architecture & Planning PC
553 Broadway, Suite 930 New York, NY 10003
Tel (212) 253-7620 Fax (212) 253-1276
www.magarchitects.com

Structural Engineer:
Nash Associates Structural Engineers
91 MacDougal Street, Suite 309
New York, NY 10012
Tel: (917) 848-8949

MEP Engineer:
Rockin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1262 Fax: (212) 239-8412

Expediter:
Upright Expediters
248 Sea Cliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75

APR 27 2009

AUGUSTO E. XAVIER 210121429

Do Not Scale Plans
Contractor is promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

Drawing Title:

MECHANICAL SECOND FLOOR PLAN

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F. **M-1.2**

Checked by: D.C.

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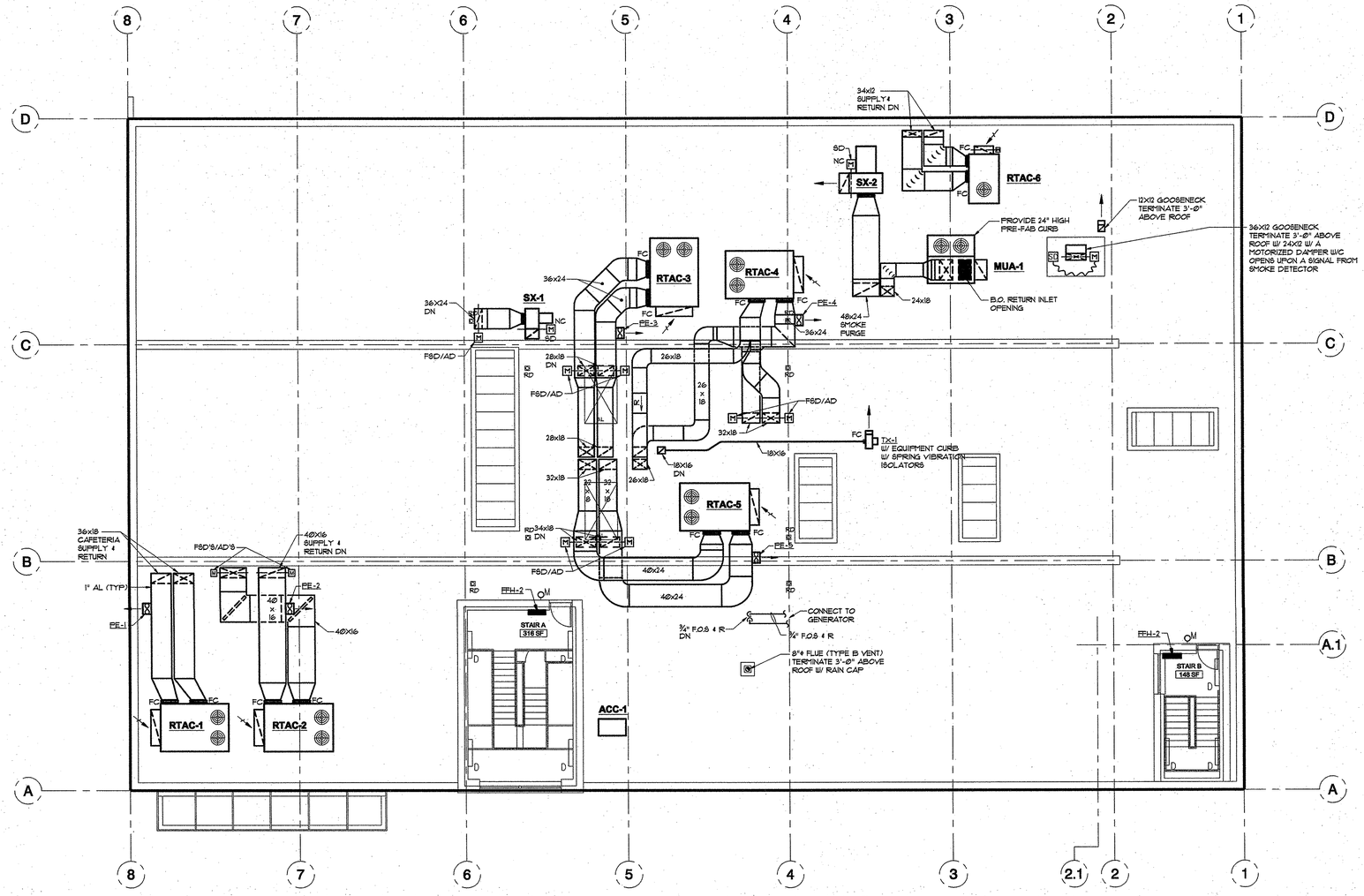

ROOF PLAN

SCALE: 1/8" = 1'-0"

NEW CONSTRUCTION SHALL COMPLY WITH NYC LOCAL LAW 17/93 AND RS 9-6

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Project Title: PHASE 2

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831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

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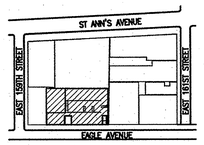

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Architect:
Magnusson Architecture & Planning PC
903 Broadway, Suite 800 New York, NY 10003
Tel (212) 353-7820 Fax (212) 353-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
61 MacDougal Street, Suite 309
New York, NY 10012
Tel: (917) 640-8540

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1882 Fax: (212) 239-8412

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APR 27 2009

AUGUSTO E. JAVIER

210121429

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Seal:

Drawing Title:

MECHANICAL ROOF PLAN

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F.

Checked by: D.C.

M-1.3

RC 0802

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AIR CONDITIONING UNIT SCHEDULE (STANDARD EFFICIENCY)

UNIT NO.	SERVICE	LOCATION	CFM	MIN O.A. CFM	EXT.S.P. IN.W.C.	EVAPORATOR FAN		CONDENSER FAN	NOMINAL COOLING CAPACITY,TON	GAS HEATING		ELECTRICAL DATA				MANUFACTURER AND MODEL No	MEA No
						FAN RPM	MOTOR HP	HP		INPUT MBH	OUTPUT MBH	MFS, A	MCA, A	VOLTS	PH		
RTAC-1	CAFETERIA	ROOF	6,000	1500	1.0	738	3.0	2#0.5	15	350	284	90	78	208	3	TRANE YCH 180	98-90E VOL. IV
RTAC-2	GYMNASIUM	ROOF	6,000	1200	1.0	738	3.0	2#0.5	15	350	284	90	78	208	3	TRANE YCH 180	98-90E VOL. IV
RTAC-3	WEST PERIMETER CLASSROOMS	ROOF	8,000	1600	1.0	837	5.0	2#1.0	20	400	324	125	100	208	3	TRANE YCH 240	98-90E VOL. IV
RTAC-4	INTERIOR CLASSROOMS & OFFICES	ROOF	8,475	1685	0.9	878	7.5	2#1.0	25	400	324	150	118	208	3	TRANE YCH 300	98-90E VOL. IV
RTAC-5	EAST PERIMETER CLASSROOMS	ROOF	10,000	2000	0.9	942	7.5	2#1.0	25	400	324	150	118	208	3	TRANE YCH 300	98-90E VOL. IV

REMARKS:

1. PROVIDE ECONOMIZER, POWER EXHAUST FANS W/ BACKDRAFT DAMPERS (TO BE FIELD INSTALLED & WIRED), VFD MOTORS WITH EXCEPTION OF RTAC-1 & 2, & SMOKE DETECTORS (SUPPLY SIDE), EQUIPMENT CURBS, INTAKE HOODS W/ MOTORIZED DAMPERS, LOW AMBIENT CONTROLS, ETC.
2. RTAC-5 TO HAVE HIGH STATIC DRIVE ACCESSORY.
3. RTAC-1 & 2 TO HAVE MODULATING HOT GAS REHEAT AND HOT GAS BYPASS.

AIR HANDLER SCHEDULE

UNIT No.	SERVICE	LOCATION	CFM	EXT.S.P. IN.W.C.	FAN FLA	MCA/ MFS	NOMINAL COOLING CAPACITY,TON	ELECTRICAL DATA		MANUFACTURER AND MODEL No.	REMARKS
								VOLTS	PH		
AH-1	STAIRS	CEILING	880	0.00	0.6	0.8/15	2 TON	208	1	DAIKIN FXFQ24MVJU	PROGRAMMABLE REMOTE THERMOSTAT
AH-2	STAIRS	CEILING	880	0.00	0.6	2.0/15	2 TON	208	1	DAIKIN FXFQ24MVJU	PROGRAMMABLE REMOTE THERMOSTAT
AH-3	STAIRS	CEILING	880	0.00	0.6	2.0/15	2 TON	208	1	DAIKIN FXFQ24MVJU	PROGRAMMABLE REMOTE THERMOSTAT
AH-4	STAIRS	CEILING	880	0.00	0.6	0.8/15	2 TON	208	1	DAIKIN FXFQ24MVJU	PROGRAMMABLE REMOTE THERMOSTAT

AIR COOLED CONDENSING UNIT SCHEDULE

UNIT NO.	SERVICE	LOCATION	NOMINAL COOLING CAPACITY,TON	ELECTRICAL DATA			MANUFACTURER AND MODEL No.	REMARKS
				MCA/MFS	VOLTS	PH		
ACCU-1	AH-1, 2, 3, & 4	GROUND LEVEL	8 TON	49.5/70	208	3	DAIKIN RXYQ96MTJU	WITH REMOTE CONTROLS TO BE WALL MOUNTED

ROOFTOP AIR CONDITIONING UNIT SCHEDULE

NO.	SERVICE	LOCATION	COOLING CAPACITY				HEATING CAPACITY				CFM	EXT. S.P.	MOTOR					MANUFACTURER MODEL	M.E.A.*	REMARKS
			TOTAL MBH	SENS MBH	EAT °F		LAT °F		INPUT, BTUH	OUTPUT, BTUH	EAT °F	LAT °F			RPM	H.P.	VOLTS	PH	MCA / MFS			
					DB	WB	DB	WB											TB / IOD			
MUA-1	CORRIDORS	ROOF	196.5T	137.8Q	95	75	59.0I	61.2B	390,000	315,900	10	90	3250	2.0	1750	3.0	208	3		AAON RM-075	106-03-E	

REMARKS:

1. W/ 30% PRE-FILTER, & 95% FINAL FILTER.
2. PROVIDE CUSTOM FILTER CURB FOR 95% FILTER.

FAN SCHEDULE

NO	SERVICE	LOCATION	CFM	S.P.	R.P.M.	FAN H.P.	ELECTRIC VOLTS	PH.	MANUFACTURER AND MODEL	REMARKS
TX-1	TOILET EXH.	ROOF	1950	0.75	1316	3/4	208	3	GREENHECK 15 B18W	W/ SUPPORTING STEEL, VIB. ISOL., DISC. SW. & WEATHERPROOF MOTOR ENCLOSURE.
GX-1	GYMNASIUM SMOKE EXHAUST (PURGE)	ROOF	4000	1.0	1337	2.0	208	3	GREENHECK 36 B18W	W/ SUPPORTING STEEL, VIB. ISOL., DISC. SW. & WEATHERPROOF MOTOR ENCLOSURE.
SX-2	SMOKE EXHAUST (PURGE)	ROOF	16,000	1.0	671	7.5	208	3	GREENHECK 18 B18W	W/ SUPPORTING STEEL, VIB. ISOL., DISC. SW. & WEATHERPROOF MOTOR ENCLOSURE.
EF-1	ELECT. & AT'S ROOM	1 ST FLR	400	0.2	1300	1/25	115	1	GREENHECK SQ-32-G	PROVIDE WALL HOUSING, DAMPER, ETC.
EF-3	TELECOM ROOM	1 ST FLR	190	0.2	1100	173 W	115	1	GREENHECK SP-B200-GD	W/ SUPPORTING STEEL, VIB. ISOL. & THERMOSTAT

ELECTRIC HEATERS SCHEDULE

NO.	CAPACITY, BTUH	CAPACITY, WATTS	VOLTS	PH	MANUFACTURER	MODEL	REMARKS
FFH-1	3,400	1000	115	1	BERKO	SRA-1012	WALL MOUNTED (RECESSED)
FFH-2	13,650	4000	208	1	BERKO	FRA-4020	WALL MOUNTED (SURFACE MOUNTED)
ECH-1	17,100	5000	208	1	BERKO	FFCH-548	CEILING MOUNTED (RECESSED)
ECH-2	17,100	5000	208	1	BERKO	CUH-935	SURFACE MOUNTED (WALL)
ECH-3&4	17,100	5000	208	1	BERKO	CUH-935	SURFACE MOUNTED (WALL)

ELECTRIC UNIT HEATERS SCHEDULE

NO.	CFM	HEATING CAPACITY, (KW)	SERVICE LOCATION	FAN MOTOR HP	VOLTS	PH	HZ	MANUFACTURER/ MODEL No.	REMARKS
EUH-1 & 2	350	3	BASEMENT STORAGE	1/100	208	1	60	BERKO HUHAA320	PROVIDED WITH INTEGRAL SPST THERMOSTAT AND CEILING MOUNT SWIVEL BRACKET KIT FOR HORIZONTAL DISCHARGE
EUH-3	350	5	1 ST. FL. STORAGE	1/100	208	1	60	BERKO HUHAAB320	

CEILING REGISTERS/ GRILLES SCHEDULE (CR&CG)

CFM RANGE	NECK SIZE	NOMINAL SIZE
UP TO 150	6x6	8x8
155-275	8x8	10x10
280-400	10x10	12x12
405-550	12x12	14x14
	14x14	16x16

REMARK: PROVIDE OPPOSED BLADE DAMPERS ON CLG. REGISTERS ONLY. SEE SIZES FOR MODEL NOS.

BRANCH DUCT SCHEDULE

DUCT SIZE	CFM RANGE
14x4	90 - 190
14x6	195 - 350
14x8	355 - 500

REMARKS: DUCT SIZES AS PER SCHEDULE UNLESS OTHERWISE NOTED.

CEILING DIFFUSER SCHEDULE

NOMINAL SIZE	NECK SIZE	DIRECTION	SYMBOL	CFM
24x24	9X9	ONE-WAY		50-290
24x24	9X9	TWO-WAY		
24x24	9X9	THREE-WAY		
24x24	9X9	ONE-WAY		
24x24	12X12	ALL PATTERNS		300-450

REMARKS:

1. ON GYPSUM BOARD CEILING, PROVIDE SURFACE MOUNTED DIFFUSERS & REGISTERS.

VAV BOX SCHEDULE

INLET SIZE	DESIGN CFM RANGE	PESSURE MAX CFM	DROP MIN CFM	NC @ 0.75 APS		MANUFACTURER	MODEL NO.	CONTROL
				MAX CFM	MIN CFM			
6"ø	50-400	0.23	0.06	25	20	TITUS	AE8V	
8"ø	405-800	0.22	0.06	27	20	TITUS	AE8V	
10"ø	805-1300	0.16	0.07	29	20	TITUS	AE8V	
12"ø	1305-1800	0.15	0.09	31	20	TITUS	AE8V	
14"ø	1805-2100	0.12	0.08	32	23	TITUS	AE8V	
16"ø	2105-2800	0.13	0.07	31	25	TITUS	AE8V	

REMARKS:

1. PROVIDE ANEMOSTAT AS APPROVED EQUAL. PROVIDE ANALOG CONTROL.

ALTERNATE No. 4

AIR CONDITIONING UNIT SCHEDULE (HIGH EFFICIENCY)

UNIT NO.	SERVICE	LOCATION	CFM	MIN O.A. CFM	EXT.S.P. IN.W.C.	EVAPORATOR FAN		CONDENSER FAN	NOMINAL COOLING CAPACITY,TON	GAS HEATING		ELECTRICAL DATA				MANUFACTURER AND MODEL No	MEA No
						FAN RPM	MOTOR HP	HP		INPUT MBH	OUTPUT MBH	MFS, A	MCA, A	VOLTS	PH		
RTAC-1	CAFETERIA	ROOF	6,000	1500	1.0	738	3.0	2#0.5	15	350	284	90	74	208	3	TRANE YCH 181	98-90E VOL. IV
RTAC-2	GYMNASIUM	ROOF	6,000	1200	1.0	738	3.0	2#0.5	15	350	284	90	74	208	3	TRANE YCH 181	98-90E VOL. IV
RTAC-3	WEST PERIMETER CLASSROOMS	ROOF	8645	1600	1.0	837	5.0	2#1.0	20	400	324	125	98	208	3	TRANE YCH 241	98-90E VOL. IV
RTAC-4	INTERIOR CLASSROOMS & OFFICES	ROOF	9025	1925	0.9	878	7.5	2#1.0	25	400	324	150	120	208	3	TRANE YCH 301	98-90E VOL. IV
RTAC-5	EAST PERIMETER CLASSROOMS	ROOF	8550	1650	0.9	837	5.0	2#1.0	20	400	324	125	98	208	3	TRANE YCH 241	98-90E VOL. IV
RTAC-6	BASEMENT CLASSROOMS	ROOF	4000	600	1.0	985	3.0	3/4	10	150	1215	60	52.6	208	3	TRANE YCH 121	149-01-E

REMARKS:

1. PROVIDE ECONOMIZER, POWER EXHAUST FANS W/ BACKDRAFT DAMPERS (TO BE FIELD INSTALLED & WIRED), VFD MOTORS WITH EXCEPTION OF RTAC-1 & 2, & SMOKE DETECTORS (SUPPLY SIDE), EQUIPMENT CURBS, INTAKE HOODS W/ MOTORIZED DAMPERS, LOW AMBIENT CONTROLS, ETC.
2. RTAC-5 TO HAVE HIGH STATIC DRIVE ACCESSORY.
3. RTAC-1 & 2 TO HAVE MODULATING HOT GAS REHEAT AND HOT GAS BYPASS.

N.Y.C. VENTILATION INDEX

AREA SERVED	MINIMUM CODE AIR REQUIREMENTS (CFM/SQ FT)	ACTUAL MINIMUM CONDITIONED AIR QUANTITIES (CFM/SQ FT)	ACTUAL MINIMUM OUTSITE AIR QUANTITIES (CFM/SQ FT)
PERIMETER ROOMS FROM GLASS TO A DEPTH OF 15'-0"	1/3	1	0.35
INTERIOR ROOMS	1/3	1	0.35

NOTES:

CALCULATED VENTILATION INDEX MEETS REQUIREMENTS FOR BOTH INTERIOR AND PERIMETER ROOMS.

EXAMPLE CALCULATION: ROOM AREA=1000SQ FT, ROOM VOLUME=8000CU FT

NO. OF PEOPLE=1

INDEX=1000

MINIMUM CODE REQUIREMENTS

VENTILATION (FRESH) AIR: SUPPLY=1/3CFM/SQ FT, EXHAUST=1/3CFM/SQ FT

CONDITIONED AIR (SEE VENTILATION RULE NO.44)=TOTAL MINIMUM SUPPLY & EXHAUST=1/3CFM/SQ FT EACH. TOTAL MINIMUM FRESH AIR=20% OF INDEX REQUIREMENT=2x33=Ø7 CFM/SQ FT.

ACTUAL QUANTITIES

CONDITIONED SUPPLY: SEE TABULATION ABOVE.

TOP REGISTERS

CFM	NECK SIZE	NOMINAL SIZE
UP TO 75	6X6	8X8
80-125	8X6	10X8
125-200	12X6	14X8
205-275	16X6	18X8
280-350	20X6	22X8
355-450	24X6	26X8

REMARKS:

1. SUPPLY & RETURN REGISTERS TO BE THE SAME TYPE W/ OPPOSED BLADE DAMPER

SYMBOLS LIST

	NEW DUCTWORK (SINGLE LINE)
	NEW DUCTWORK
1" AL	1" ACOUSTICAL LINING
VD	VOLUME DAMPER
D	INCLINED DROP IN THE DIRECTION OF AIR FLOW
	CEILING DIFFUSER ANEMOSTAT MODEL No. (SDF-41)
CG	CEILING GRILLE ANEMOSTAT MODEL No. 83HD
CR	CEILING REGISTER ANEMOSTAT MODEL No. 82HO
COD	CABLE OPERATED DAMPER
LD	LINEAR SLOT DIFFUSER
FC	FLEXIBLE CONNECTION
FD/AD	FIRE DAMPER AND ACCESS DOOR
T	THERMOSTAT
FSD/AD	COMBINATION FIRE/SMOKE DAMPER AND ACCESS DOOR
M	MOTORIZED DAMPER
SD	SMOKE DAMPER
CG	CEILING GRILLE
SD	SMOKE DETECTOR (ELECT. CONTRACTOR TO WIRE & FURNISH, HVAC TO INSTALL)
CD	CEILING DIFFUSER
TR	TOP REGISTER
TG	TRANSFER GRILLE
AL	1" ACOUSTICAL LINING. SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
20"RAO	RETURN AIR OPENING WITH WIRE MESH SCREEN. SIZES SHOWN IN SQ. FT.
WMS	WIRE MESH SCREEN
CHWS	CHILLED/HOT WATER SUPPLY
CHWR	CHILLED/HOT WATER RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
D	COIL CONDENSATE DRAIN
	COMBINATION BALANCING VALVE/FLOW MEASURING STATION
	SHUT OFF VALVE
	BALL VALVE
	GLOBE VALVE
	CONTROL VALVE
	STRAINER WITH BLOW DOWN VALVE
	UNION
	THREE WAY VALVE
	CHECK VALVE
	PRESSURE RELIEF VALVE
	AUTOMATIC AIR VENT
	THERMOMETER
	PRESSURE GAUGE WITH GATE VALVE
RAO	RETURN AIR OPENING ABOVE HUNG CEILING W/MFS
H	HUMIDISTAT

BUILDING DEPARTMENT NOTES

1. UPON COMPLETION OF THIS VENTILATION SYSTEM, A TEST SHALL BE CONDUCTED IN THE PRESENCE OF AND UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT QUALIFIED TO CONDUCT SUCH TESTS, OR BY A PERSON HAVING NOT LESS THAN FIVE YEARS EXPERIENCE SUPERVISING THE INSTALLATION OF VENTILATION SYSTEMS. THE TESTS SHALL SHOW COMPLIANCE WITH THE CODE REQUIREMENTS FOR VENTILATION AND THE PROPER FUNCTIONING OF ALL OPERATING DEVICES BEFORE THE SYSTEM IS APPROVED.
2. THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT OR OTHER QUILIFIED PERSON WHO CONDUCTS THE TEST SHALL FILE A CERTIFICATE AND REPORT OF TEST AS TO WHETHER THE TEST SHOWS THAT THE RATE OF AIR SUPPLY AND EXHAUST COMPLIES WITH THE REQUIREMENTS OF THE CODE PERTAINING TO VENTILATION.
3. A STATEMENT SHALL BE FILED BY THE OWNER THAT THE SYSTEM OF VENTILATION SHALL BE KEPT IN CONTINUOUS OPERATION AT ALL TIMES DURING THE NORMAL OCCUPANCY OF THE STRUCTURE AS PROVIDED IN THE APPLICABLE SECTION OF THE CODE.
4. ALL FIRE DAMPERS SHALL BE THE TYPE APPROVED BY THE BOARD OF STANDARDS AND APPEALS, BSA NUMBER 100-65-SM
5. SYSTEM WILL COMPLY WITH DEPARTMENT OF BUILDING RULES, DATED MAY 1, 1983, RELATING TO THE INSTALLATION OF VENTILATION AND AIR CONDITIONING SYSTEM.
6. VENTILATION SYSTEM SHALL BE SUBJECT TO THE REQUIREMENTS FOR CONTROLLED INSPECTION IN ACCORDANCE WITH C26-1063a. FORMS 16F AND 16E SHALL BE FILED.

ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75

APR 27 2009

AUGUSTO E. JAVIER

210121429

NEW CONSTRUCTION SHALL COMPLY WITH NYC LOCAL LAW 17/95 AND RS 9-6

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BID SET: 05-27-08

Project Title: PHASE 2

The New LIFE Secondary School

A Conversion of an Existing Warehouse into a New High School Building
831 Eagle Avenue
Block 2619 Lot 27
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Clients:

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475 Riverside Drive #1244
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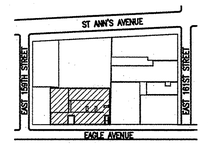

Key Plan: N

Issued:

NUMBER	DATE	DESCRIPTION
	05.27.08	BID SET
	07.31.08	ISSUED FOR CONSTRUCTION
	12.04.08	BULLETIN #1

Revisions:

Architect:

Magnusson Architecture & Planning PC
553 Broadway, Suite 500 New York, NY 10003
Tel (212) 253-7830 Fax (212) 253-1276
www.magnusonarchitects.com

Structural Engineer:

Nash Associates Structural Engineers
51 MacDougal Street, Suite 309
New York, NY 10012
Tel: (917) 548-0540

MEP Engineer:

Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1992 Fax: (212) 239-6412

Expediter:

Upright Expediters
249 Sescliff Avenue
Sescliff, NY 11579
Tel: 516-679-2110

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

Drawing Title:

MECHANICAL SCHEDULES

Project Number: 07022

Date: 04-18-08 Drawing #

Scale: AS NOTED

Drawn by: L.R. **M-2.1**

Checked by: E.B.

RC 0802

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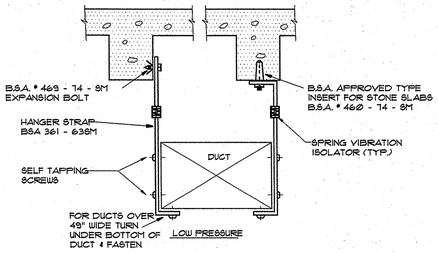
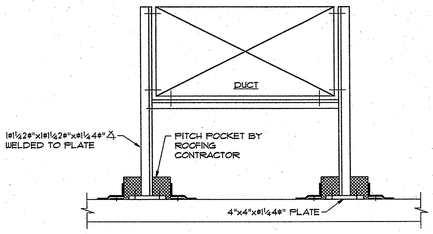


METHOD OF HANGING DUCTWORK

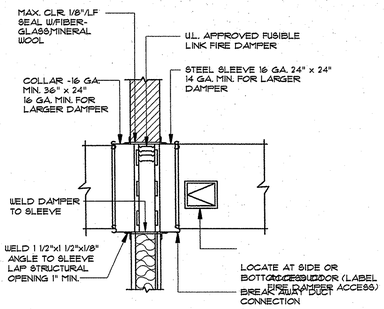
NOT TO SCALE

NOTE: DISTANCE BETWEEN DUCTS HANGERS SHALL BE IN ACCORDANCE WITH RS-13-1 OF NYC BLDG. CODE



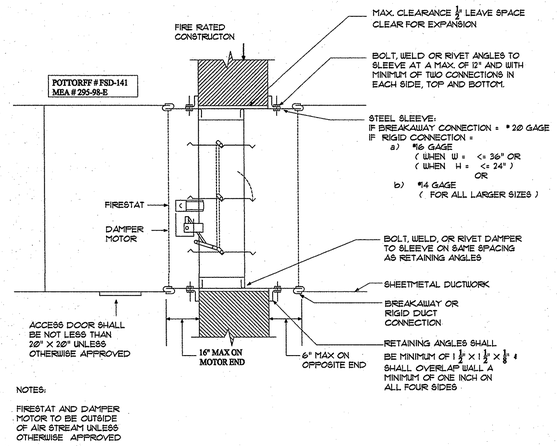
ROOF MOUNTED DUCT SUPPORT DETAIL

NOT TO SCALE



B.S.A. NO. 292-71-8A

FIRE DAMPER DETAIL



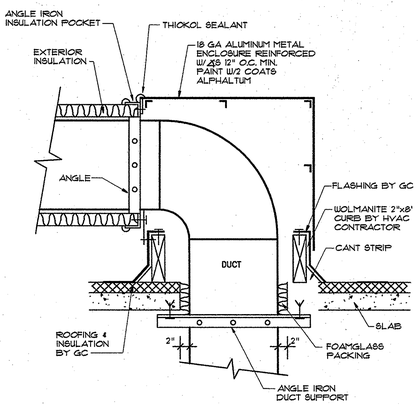
NOTES:

FIRESTAT AND DAMPER MOTOR TO BE OUTSIDE OF AIR STREAM UNLESS OTHERWISE APPROVED

COMBINATION: FIRE AND SMOKE DAMPER DETAIL

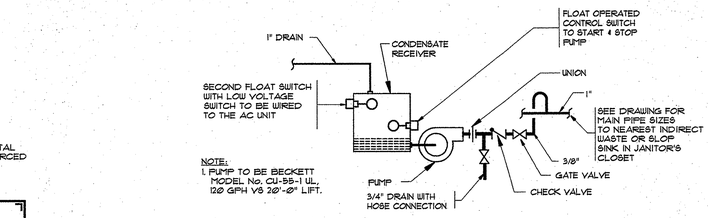
FIRE/SMOKE DAMPER NOTES:

DAMPERS SHALL BE CONSTRUCTED, TESTED, AND LABELED AS FOLLOWS:
1. APPROVING AGENCIES AND STANDARDS BY UL 555, UL 555-S, NFPA 92A, NFPA 92A
2. LEAKAGE RATINGS - CLASS II.
3. FIRE ENDURANCE - 1 ½ HOUR
4. DAMPER CONSTRUCTION, TRIPLE-VEE BLADE (#6 GAUGE STEEL)
5. MATERIALS - GALVANIZED STEEL
7. BUSHINGS - FLANGED DESIGN, 88 OILLITE.
8. SIDE JAMB SEALS - COMPRESSIBLE 88.
9. BLADE EDGE SEALS - SILICONE RATED TO 350° F.
10. HEAT RESPONSIVE DEVICE SHALL BE ELECTRIC HEAT SENSOR (SINGLE TEMPERATURE OR DUAL TEMPERATURE AS REQUIRED BY THE ENGINEER)
11. ALL ACTUATORS SHALL BE 120V (UNLESS SPECIFIED OTHERWISE) BELIMO MODEL #SNF-120 WITH THE FOLLOWING APPROVALS- UL 873, UL 555, AND UL 555-S.
12. FACTORY SLEEVE TO BE 24" LENGTH UNLESS OTHERWISE SPECIFIED.
13. SLEEVE GAUGE, TERMINATIONS, AND RETAINING ANGLES - SHALL BE AS REQUIRED AND COMPLY WITH UL 555, NFPA 92A, and the SMACNA HVAC DUCT CONSTRUCTION STANDARD
14. ACCESSORIES -BLADE POSITION INDICATORS FACTORY INSTALLED.
15. INSTALLATION - EXPANSION SPACE MUST NOT BE FILLED WITH CAULKING, FILL OR FIREPACKING MATERIALS THIS SPACE MUST BE LEFT FOR THERMAL EXPANSION.
16. MAXIMUM OPENING - THE MAXIMUM OPENING THAT MAY BE PROTECTED WITH A SINGLE DAMPER ASSEMBLY - WHETHER SINGLE OR MULTI SECTION -- MAY NOT EXCEED THE LIMITS SHOWN IN THE UL ONLINE CERTIFICATIONS DIRECTORY.
17. MANUFACTURER SHALL BE POTTORFF OR APPROVED EQUAL.
18. SPECIFICATION FOR SMOKE DAMPER SHALL BE AS ABOVE EXCEPT DELETE NOTE NUMBER 10 AND HEAT RESPONSIVE DEVICE FROM DETAIL.
19. PROVIDE END SWITCHES ON ALL FIRE & SMOKE DAMPERS.



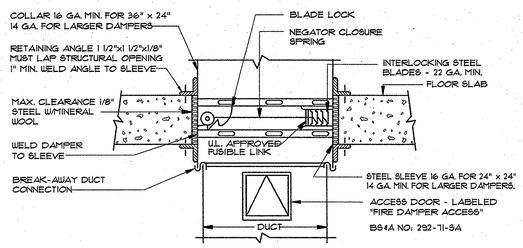
ROOF PENETRATION DETAIL

NOT TO SCALE



NOTE:
1. PUMP TO BE BECKETT MODEL No. CU-55-1 UL, 120 GPH VS 20'-0" LIFT.

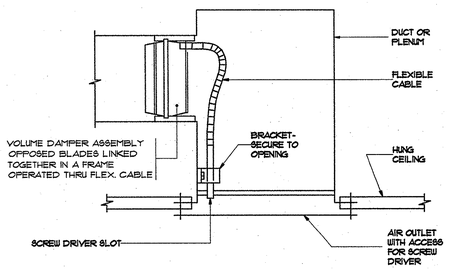
TYPICAL CONDENSATE PUMP



B94A NO: 292-71-8A

HORIZONTAL FIRE DAMPER DETAIL

NO SCALE



REMOTE DAMPER OPERATOR

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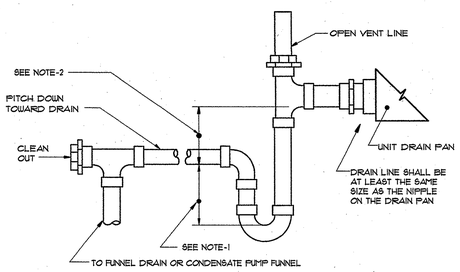
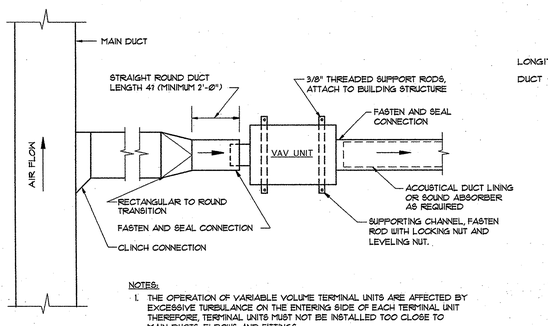


NOTES:

1. ON POSITIVE PRESSURE SYSTEM (E.G. DUCT COILS, BLOW-THRU UNITS, ETC.) DEPTH OF SEAL SHALL BE A MINIMUM OF 1.5 TIMES SYSTEM PRESSURE IN THE DRAIN PAN.
2. ON NEGATIVE PRESSURE SYSTEMS (E.G. DRIW-THRU UNITS) DEPTH OF SEAL SHALL BE MINIMUM OF 1.5 TIMES SYSTEM PRESSURE IN THE DRAIN PAN.

TYPICAL CONDENSATE DRAIN TRAP

NOT TO SCALE

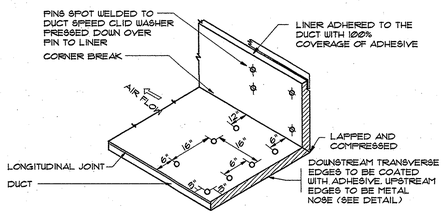


NOTES:

1. THE OPERATION OF VARIABLE VOLUME TERMINAL UNITS ARE AFFECTED BY EXCESSIVE TURBULANCE ON THE ENTERING SIDE OF EACH TERMINAL UNIT THEREFORE, TERMINAL UNITS MUST NOT BE INSTALLED TOO CLOSE TO MAIN DUCTS, ELBOWS AND FITTINGS.
2. WHEN MINIMUM UPSTREAM STRAIGHT DUCT CONNECTION TO TERMINALS AS INDICATED ABOVE CANNOT BE MAINTAINED, PROVIDE ORIFICE PLATE, STRAIGHTENING VANES OR OTHER DEVICE AS RECOMMENDED BY TERMINAL UNIT MANUFACTURER AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
3. MANUFACTURER OF TERMINAL UNIT SHALL PROVIDE CONTROLS ON LEFT OR RIGHT SIDE AS REQUIRED BY FIELD CONDITIONS.
4. ARRANGE ACCESS TO PERMIT EASY FIELD BALANCE AND MAINTENANCE OF TERMINAL UNIT.

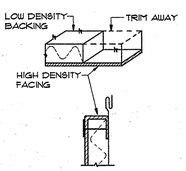
VAV UNIT INSTALLATION DETAIL

N.T.S.



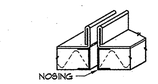
ACOUSTICAL LINING DETAIL

NOT TO SCALE



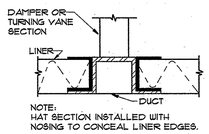
LONGITUDINAL JOINT DETAIL

NOTE:
FOLD OVER HIGH DENSITY FACING ON ALL LONGITUDINAL JOINTS & SECURE WITH MECH. FASTENERS



NOTE:
ENTERING, BUTTING & TRAILING EDGES OF LINER AT TRANSVERSE JOINTS TO BE COVERED BY NOSING

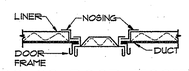
TRANSVERSE JOINT DETAIL



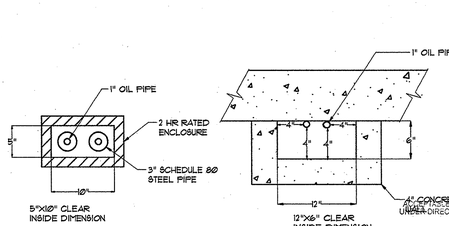
NOTE:
HAT SECTION INSTALLED WITH NOSING TO CONCEAL LINER EDGES.

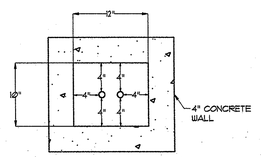
DETAIL AT DAMPERS AND TURNING VANES

GENERAL NOTES:
1. NOSING ATTACHED TO DUCT BY RIVETS,SCREWS OR WELDS.
2. NOSING : 24 GA. UP TO 48", OVER 48", SAME GA. AS DUCT



ACCESS DOOR NOSING DETAIL





VERTICAL RUN
N.T.S.

OIL PIPING ENCLOSURE DETAILS

N.T.S.

APR 27 2009

AUGUSTO E. JAVIER

210121429

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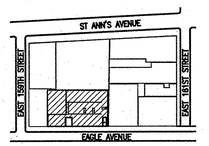

Key Plan:

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	05.27.08	BID SET
	07.31.08	ISSUED FOR CONSTRUCTION
	12.04.08	BULLETIN 01

Revisions:

Architect:

Magnusson Architecture & Planning PC
barbara@magnussonarchitecture.com
323 Broadway, Suite 500 New York, NY 10003
Tel (212) 253-7220 Fax (212) 253-1276
www.magnussonarchitecture.com

Structural Engineer:
Nash Associates Structural Engineers
61 MacDougal Street, Suite 3B
New York, NY 10012
Tel: (917) 548-8560

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Seal:

Drawing Title:

MECHANICAL DETAILS

Project Number: 07022

Date: 04-18-08 Drawing #

Scale: AS NOTED

Drawn by: L.R.

Checked by: E.B.

M-2.2

RC 0802

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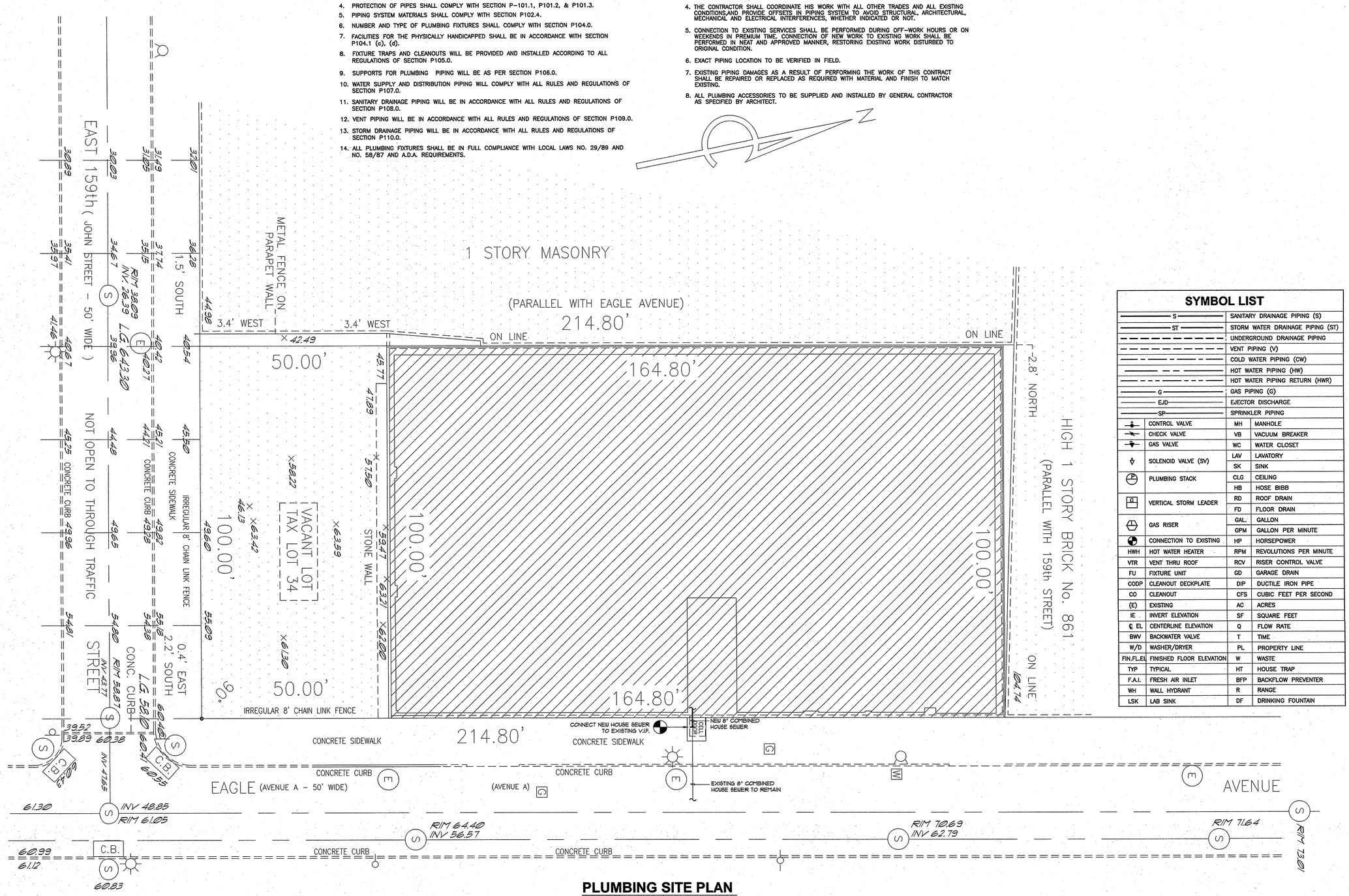
NEW YORK CITY BUILDING DEPARTMENT NOTES

1. ALL PLUMBING WORK SHALL BE INSTALLED IN STRICT CONFORMITY WITH ALL REQUIREMENTS OF THE ADMINISTRATIVE CODE AND ALL PROVISIONS OF REFERENCE STANDARD RS-16.
2. ALL WATER SUPPLIES SHALL BE OVER THE RIM OR SHALL BE PROVIDED WITH APPROVED TYPE VACUUM BREAKERS AS SHALL ALL WATER CLOSET FLUSH VALVES AND HOSE CONNECTIONS AS PER RULES P107.18, P107.19, & P107.20.
3. ALL VENT BRANCHES ALL VENT STACKS ABOVE HORIZONTAL OFFSETS AND ALL SOIL & WASTE STACKS ABOVE HORIZONTAL OFFSETS ABOVE HIGHEST FIXTURE CONNECTION SHALL BE GALVANIZED PIPING AS PER RULE P109.3 (d) (e).
4. PROTECTION OF PIPES SHALL COMPLY WITH SECTION P-101.1, P101.2, & P101.3.
5. PIPING SYSTEM MATERIALS SHALL COMPLY WITH SECTION P102.4.
6. NUMBER AND TYPE OF PLUMBING FIXTURES SHALL COMPLY WITH SECTION P104.0.
7. FACILITIES FOR THE PHYSICALLY HANDICAPPED SHALL BE IN ACCORDANCE WITH SECTION P104.1 (c), (d).
8. FIXTURE TRAPS AND CLEANOUTS WILL BE PROVIDED AND INSTALLED ACCORDING TO ALL REGULATIONS OF SECTION P105.0.
9. SUPPORTS FOR PLUMBING PIPING WILL BE AS PER SECTION P106.0.
10. WATER SUPPLY AND DISTRIBUTION PIPING WILL COMPLY WITH ALL RULES AND REGULATIONS OF SECTION P107.0.
11. SANITARY DRAINAGE PIPING WILL BE IN ACCORDANCE WITH ALL RULES AND REGULATIONS OF SECTION P108.0.
12. VENT PIPING WILL BE IN ACCORDANCE WITH ALL RULES AND REGULATIONS OF SECTION P109.0.
13. STORM DRAINAGE PIPING WILL BE IN ACCORDANCE WITH ALL RULES AND REGULATIONS OF SECTION P110.0.
14. ALL PLUMBING FIXTURES SHALL BE IN FULL COMPLIANCE WITH LOCAL LAWS NO. 29/89 AND NO. 58/87 AND A.D.A. REQUIREMENTS.

GENERAL NOTES

1. THE CONTRACTOR WILL BE HELD RESPONSIBLE TO HAVE VISITED AND EXAMINED THE PREMISES BEFORE SUBMITTING HIS PROPOSAL, IN ORDER TO UNDERSTAND THE EXISTING CONDITIONS RELATED TO HIS WORK.
2. ALL MATERIALS AND APPARATUS SHALL BE INSTALLED IN ACCORDANCE WITH ALL THE RULES AND REGULATIONS OF THE NEW YORK CITY BUILDING CODES AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
3. PROCUREMENT OF ALL PERMITS AND CERTIFICATES FOR THE INSTALLATION OF THESE SYSTEMS SHALL BE PERFORMED IN ACCORDANCE WITH ALL THE RULES AND REGULATIONS OF THE NEW YORK CITY BUILDING CODES AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
4. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES AND ALL EXISTING CONDITIONS,AND PROVIDE OFFSETS IN PIPING SYSTEM TO AVOID STRUCTURAL, ARCHITECTURAL, MECHANICAL AND ELECTRICAL INTERFERENCES, WHETHER INDICATED OR NOT.
5. CONNECTION TO EXISTING SERVICES SHALL BE PERFORMED DURING OFF-WORK HOURS OR ON WEEKENDS IN PREMIUM TIME. CONNECTION OF NEW WORK TO EXISTING WORK SHALL BE PERFORMED IN NEAT AND APPROVED MANNER, RESTORING EXISTING WORK DISTURBED TO ORIGINAL CONDITION.
6. EXACT PIPING LOCATION TO BE VERIFIED IN FIELD.
7. EXISTING PIPING DAMAGES AS A RESULT OF PERFORMING THE WORK OF THIS CONTRACT SHALL BE REPAIRED OR REPLACED AS REQUIRED WITH MATERIAL AND FINISH TO MATCH EXISTING.
8. ALL PLUMBING ACCESSORIES TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR AS SPECIFIED BY ARCHITECT.



PLUMBING SITE PLAN

SCALE: 3/32" = 1'-0"

SYMBOL LIST

S			SANITARY DRAINAGE PIPING (S)
ST			STORM WATER DRAINAGE PIPING (ST)
			UNDERGROUND DRAINAGE PIPING
			VENT PIPING (V)
			COLD WATER PIPING (CW)
			HOT WATER PIPING (HW)
			HOT WATER PIPING RETURN (HWR)
G			GAS PIPING (G)
EJD			EJECTOR DISCHARGE
SP			SPRINKLER PIPING
	CONTROL VALVE	MH	MANHOLE
	CHECK VALVE	VB	VACUUM BREAKER
	GAS VALVE	WC	WATER CLOSET
	SOLENOID VALVE (SV)	LAV	LAVATORY
		SK	SINK
	PLUMBING STACK	CLG	CEILING
		HB	HOSE BIBB
G	VERTICAL STORM LEADER	RD	ROOF DRAIN
		FD	FLOOR DRAIN
	GAS RISER	GAL.	GALLON
		GPM	GALLON PER MINUTE
	CONNECTION TO EXISTING	HP	HORSEPOWER
HWH	HOT WATER HEATER	RPM	REVOLUTIONS PER MINUTE
VTR	VENT THRU ROOF	RCV	RISER CONTROL VALVE
FU	FIXTURE UNIT	GD	GARAGE DRAIN
CODP	CLEANOUT DECKPLATE	DIP	DUCTILE IRON PIPE
CO	CLEANOUT	CFS	CUBIC FEET PER SECOND
(E)	EXISTING	AC	ACRES
IE	INVERT ELEVATION	SF	SQUARE FEET
℄ EL	CENTERLINE ELEVATION	Q	FLOW RATE
BWV	BACKWATER VALVE	T	TIME
W/D	WASHER/DRYER	PL	PROPERTY LINE
FIN.FL.EL	FINISHED FLOOR ELEVATION	W	WASTE
TYP	TYPICAL	HT	HOUSE TRAP
F.A.I.	FRESH AIR INLET	BFP	BACKFLOW PREVENTER
WH	WALL HYDRANT	R	RANGE
LSK	LAB SINK	DF	DRINKING FOUNTAIN

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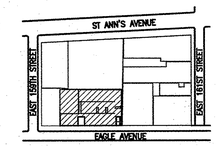

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Revisions:

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Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-0649

MEP Engineer:
Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

Expeditor:
Upright Expeditors
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

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APR 27 2009

AUGUSTO E. CARTIER 210121429

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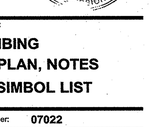

Drawing Title:

PLUMBING SITE PLAN, NOTES AND SIMBOL LIST

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F.

Checked by: D.C.

P-0.1

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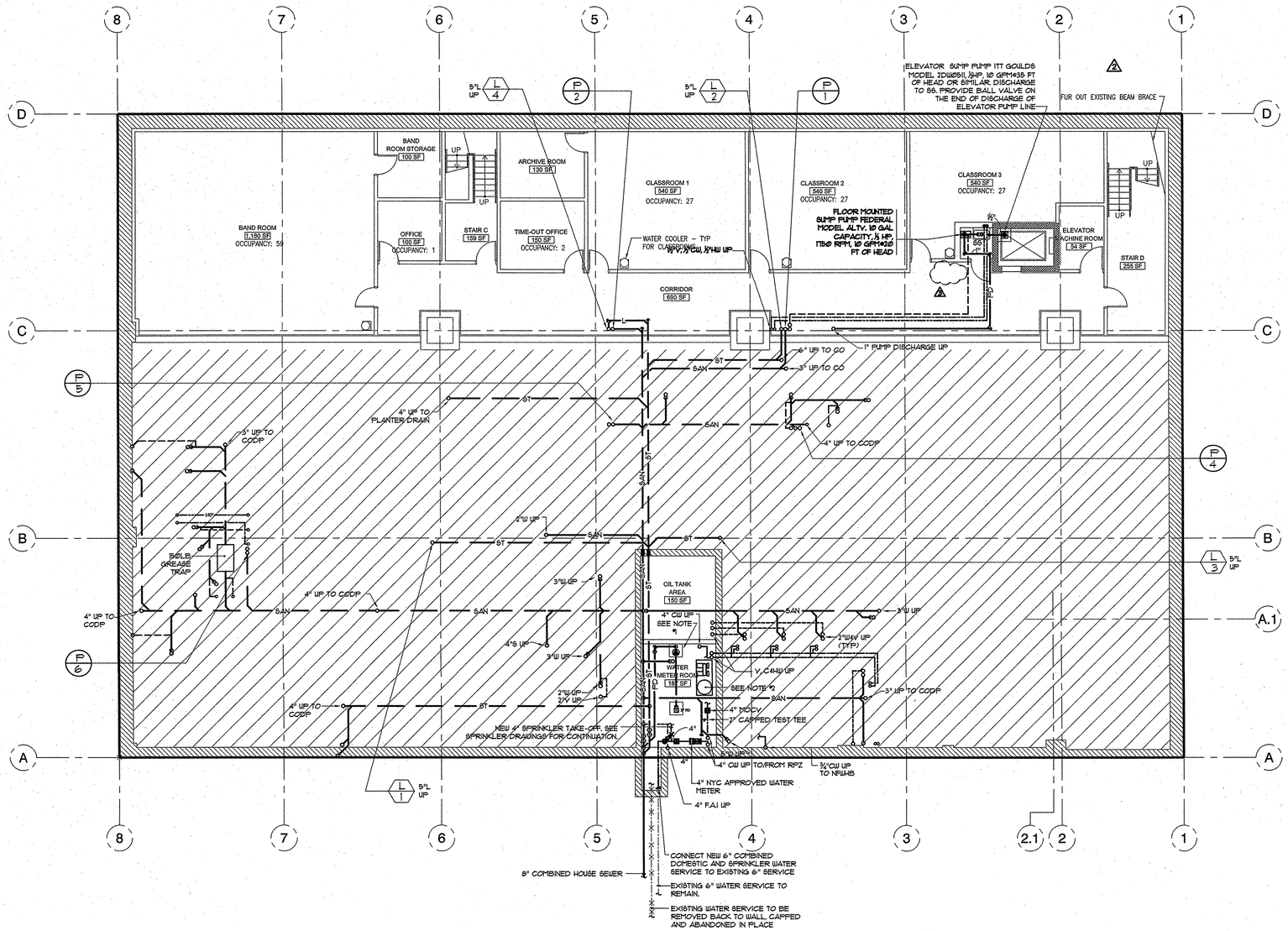

CELLAR PLAN

SCALE: 1/8" = 1'-0"

PLUMBING DEMOLITION NOTES

1. a) REMOVE ALL EXISTING UNDERGROUND STORM PIPING IN CROSS HATCHED AREA.
   b) ONCE THE EXISTING HOUSE TRAP HAS BEEN REMOVED THE PLUMBING CONTRACTOR MUST PROBE THE 8" EXISTING SANITARY LINE WITH A ROBOTIC CAMERA TO DETERMINE THE CONDITION OF THE LINE.
   c) IF THE EXISTING 8" SEWER FROM THE HOUSE TRAP TO THE MUNICIPAL COMBINATION SEWER, IS IN POOR CONDITION THE LINE WILL BE REPLACED.
2. PROVIDE ALL LABOR, APPARATUS, ETC. FOR THE REMOVAL OF ALL PLUMBING FIXTURES AND RELATED PIPING, HANGERS, SUPPORTS AND CARRIERS DESIGNATED FOR DEMOLITION BY THE ARCHITECT.
3. PERFORM THIS WORK SIMULTANEOUSLY WITH THAT OF OTHER TRADES SO AS NOT TO DELAY OVERALL PROGRESS OF WORK.
4. OWNER'S OCCUPANCY REGULATIONS MAY REQUIRE THAT CERTAIN PORTIONS OF WORK BE DONE AFTER REGULAR WORKING HOURS. COORDINATE WITH BUILDING MANAGEMENT. COST OF ALL OVERTIME IS TO BE INCLUDED IN THE CONTRACTORS PROPOSAL. OWNER'S PROPERTY AND BE STORED.
5. PLUMBING CONTRACTOR TO IDENTIFY AND REMOVE ALL ABANDONED STORM PIPING. REMOVE ALL DEMOLITION MATERIALS FROM PROJECT SITE, EXCEPT ITEMS DESIGNATED BY ARCHITECT/OWNER TO REMAIN

NOTES:

1. SIMPLEX SUMP PUMP STATE MODEL# EC 750-1207 ½ HP, 3450 RPM, SINGLE PHASE, 2" DISCHARGE PIT SIZE: 2'X2'X3'-1" (D)
2. DOMESTIC WATER DUPLEX BOOSTER PUMP FEDERAL MODEL SP-0020-2, 80 GPM, 20 PSI @ 45FT OF HEAD, ½ HP EACH

NEW CONSTRUCTION SHALL COMPLY WITH NYC LOCAL LAW 17/85 AND RS 9-6

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Project Title: PHASE 2

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A Conversion of an Existing Warehouse into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

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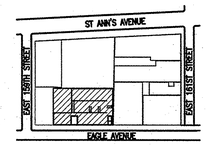
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

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	01.22.09	REVISION 1
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Revisions:

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853 Broadway, Suite 809 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5640

MEP Engineer:
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New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

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APR 27 2009

AUGUSTO E. JAVIER

210121429

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Seal:

Drawing Title:

PLUMBING CELLAR PLAN

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F. **P-1.0**

Checked by: D.C.

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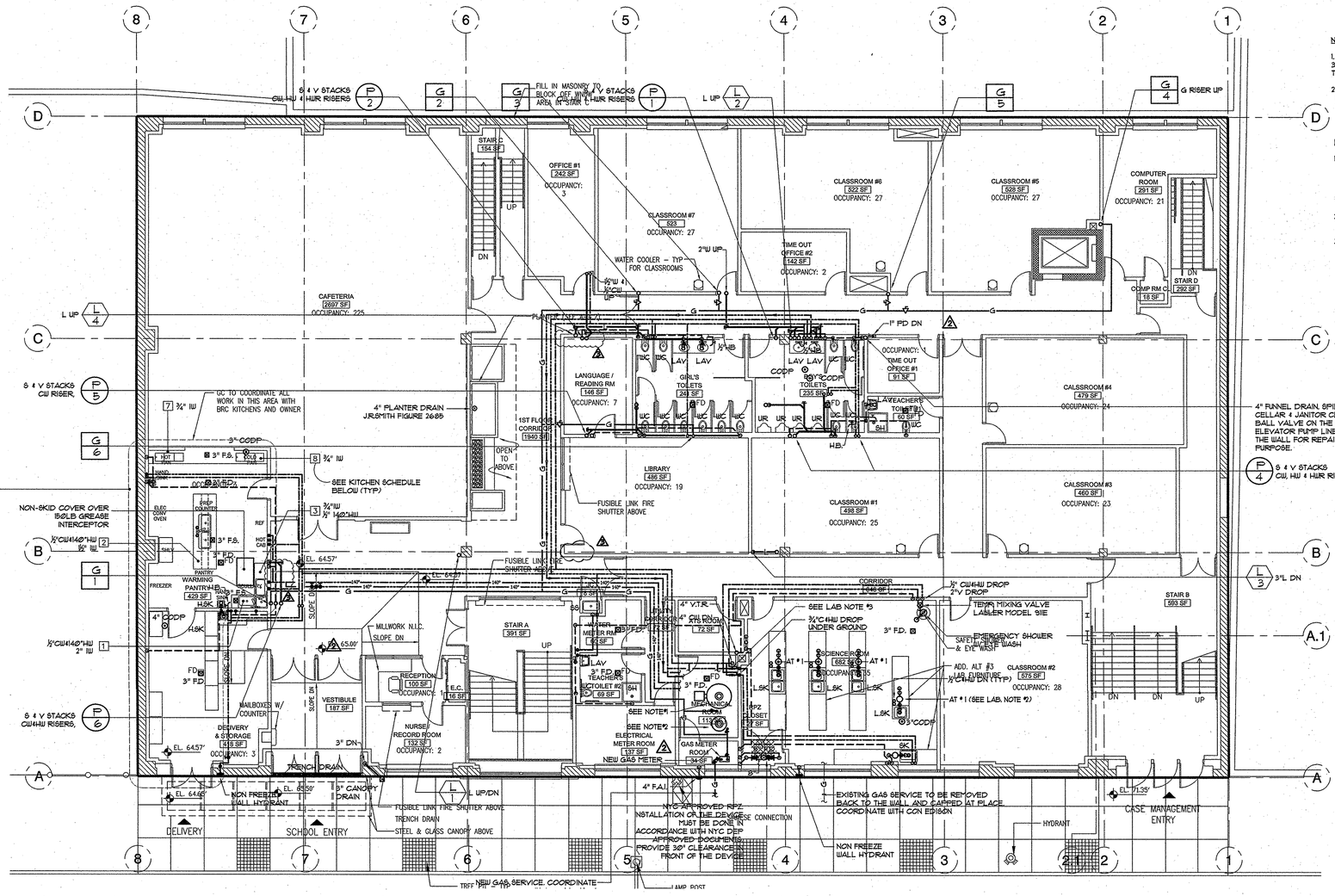

FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. DHWH A.O.SMITH MODEL BTP-200-300, 300CFH INPUT, 364 GPH@80° RISE, 200 GAL TANK CAPACITY
2. KHWH A.O.SMITH MODEL BT-100, 75CF INPUT, 73 GAL REC.@100° RISE, 100 GAL TANK CAPACITY

LABORATORY NOTES:

1. CONTRACTOR TO COORDINATE IN FIELD FOR ALL PIPING CONN. TO THE EQUIPMENT/PLUMBING FIXTURES TO BE PROVIDED AS PER LATEST ARCH. DWGS. AND EXACT EQUIPMENT/FIXTURES LOCATION.
2. ACID NEUTRALIZATION TANK (AT#)-PH NEUTRALIZATION SYSTEM 5 GAL.
3. INSTALL NEW 1" RPZ AMES 4000SB OR NYC APPROVED EQUAL ON BOTH COLD AND HOT WATER LINES FEEDING LABORATORY PLUMBING FIXTURES. SPILL DISCHARGE TO FLOOR DRAIN. PROVIDE ¾"CW HOSE BIBB. PROVIDE GALVANIZED STEEL OR PLASTIC PAN.

PLUMBING FIXTURE PIPING CONNECTIONS:

LAV- ½"W, ½"V, ½"HCW
WC (FV)- 4"S, 2"V, ¾"CW
UR- 2"W, ½"V, 1"CW
S.S.- 3"W, ½"V, ¾"CW/HW
D.F.- ½"W, ½"V, ½"CW
SH- 2"W, ½"V/½"CHW

GREASE INTERCEPTOR SIZING CHART

ITEM #	QTY	EQUIPMENT CATEGORY	MANUFACTURER&MODEL	PARAMETERS	EACH VOLUME (CU.INCH)	TOTAL VOLUME (CU.INCH)	TAB.#1 MINIMUM GREASE INTERCEPTOR RETAINING CAPACITY FOR: POT SINKS, FOOD PREP. SINKS, SCULLERY SINKS AND FLOOR DRAINS WHICH ARE USED FOR WASHDOWN PURPOSE (LB)	TAB.#2 MINIMUM GREASE INTERCEPTOR RETAINING CAPACITY FOR: SCRAPER SINKS, WOKS, AUTOMATIC DISHWASHERS AND ANY FIXTURE RECEIVING DISCHARGE FROM SOUP AND STOCK KETTLES (LB)	TOTAL GREASE INTERCEPTOR CAPACITY BASED ON TAB.#1 AND TAB.#2 (LB)
–	1	DISH WASHER	HOBART MODEL LXIH	3 GAL	694	694	–	8	
–	2	FLOOR DRAIN	SMITH MODEL 2135	12"Ø X 8½"	1,922	33,836	50	–	150→150 TRAP WILL BE USED
2	1	3 COMPARTMENT POT SINK	ADVANCE TABCO	24" X 24" X 12"(3)	20,736				
1	1	PREP TABLE		18" X 28" X10" * (2)	10,200				

GREASE INTERCEPTOR: SMITH MODEL 8456E, 150 LB CAPACITY. 80"(L) X30½"(W) X 37"+4" MIN(H)-4" INLET AND OUTLET ARE REQUIRED

KITCHEN PLUMBING SCHEDULE

ITEM #	QTY	EQUIPMENT CATEGORY	MANUFACTURER&MODEL	COLD WATER SIZE (IN)	HOT WATER SIZE (IN)	DIRECT DRAIN SIZE (IN)	INDIR DRAIN SIZE (IN)	PLUMBING REMARKS
1	1	3 COMPARTMENT SCULLERY SINK	ADVANCE TABCO 94-K4-24D	½"	½"(140°)	-	2"	
2	1	PREP COUNTER		½"	½"(140°)	-	½"	
3	1	DISH WASHER	HOBART LXIH	-	¾"(140°)	-	½"	
4	1	COFEE STATION	-	½"	½"	-	½"	
5	1	COFEE BREWER	BUNN CWTF3-3	½"	-	-	-	
6	1	HOT WATER DISPENCER	TRAULSEN	½"	-	-	-	
7	1	HOT PAN	ATLAS METAL WH-3	-	-	-	¾"	
8	1	COLD PAN	ATLAS METAL WCM-3	-	-	-	¾"	
	3	SANI-SEPTOR FLOOR INDIRECT WASTE DRAIN	SMITH MODEL 3004	-	-	3"	-	

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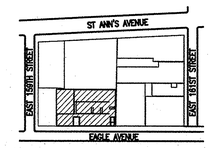

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Architect:

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853 Broadway, Suite 800 New York, NY 10003
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Structural Engineer:

Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-6649

MEP Engineer:

Rockin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

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Seal:

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PLUMBING FIRST FLOOR PLAN

Project Number: 07022

Date: Drawing #

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Drawn by: L.F. **P-1.1**

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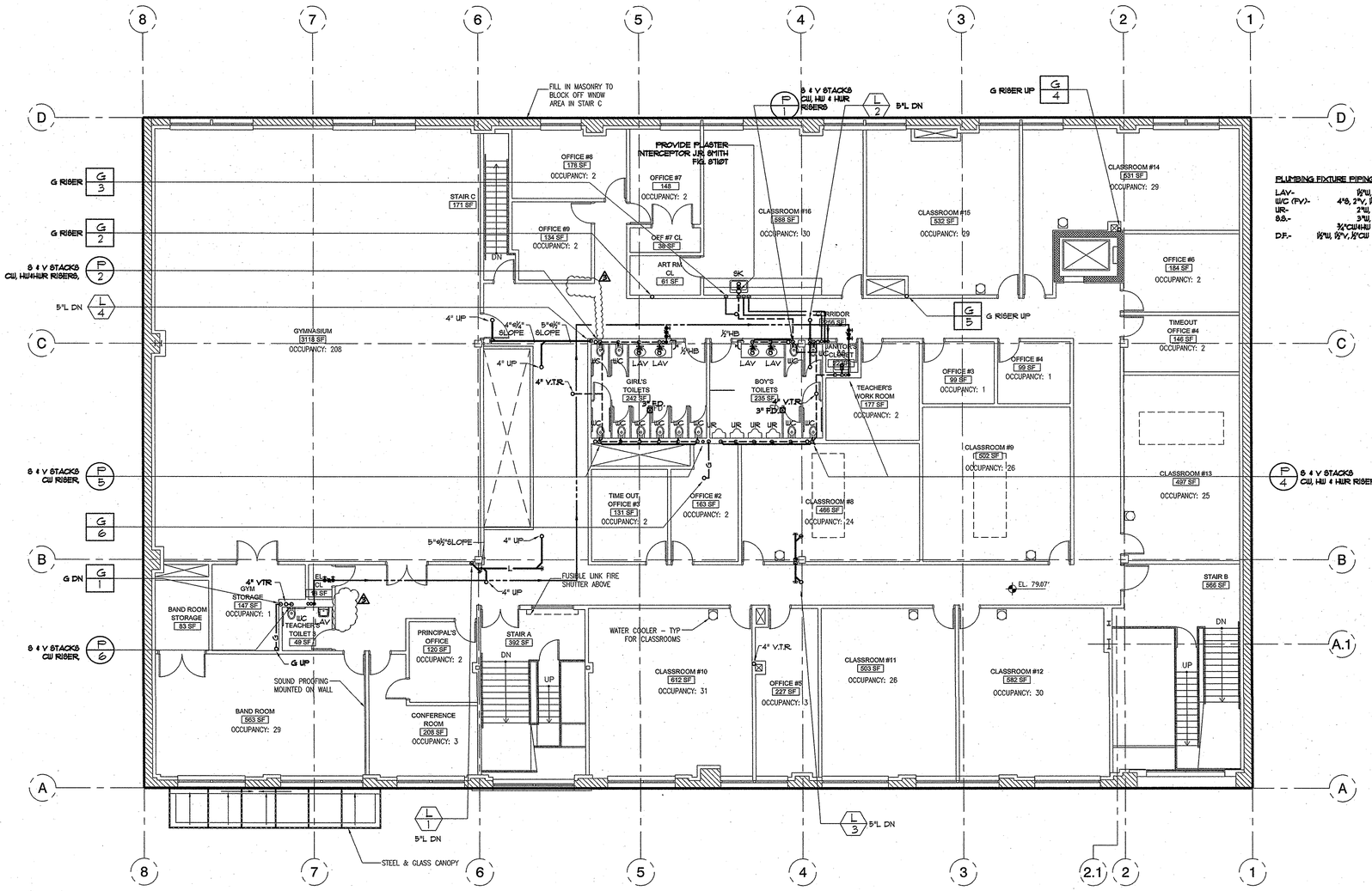

1 SECOND FLOOR PLAN

SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

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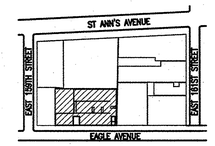

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Revisions:

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853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7620 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:

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New York, NY 10012
Tel: (917) 548-6649

MEP Engineer:

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210121429

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SECOND FLOOR PLAN

Project Number: 07022

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Scale: AS NOTED

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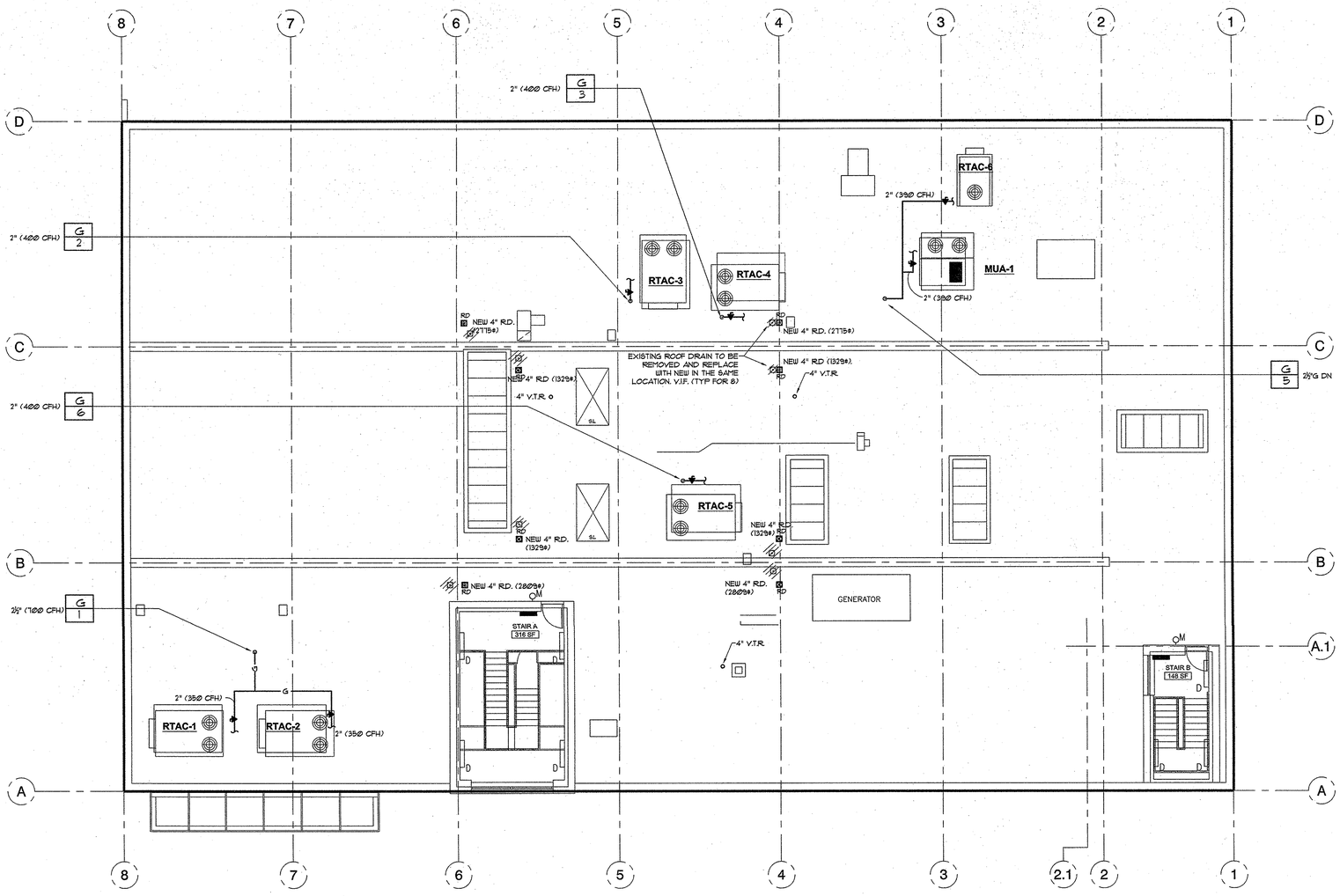

ROOF PLAN
SCALE: 1/8" = 1'-0"

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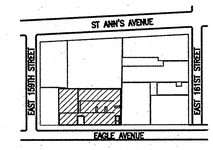

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www.maparchitects.com

Structural Engineer:

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AUGUSTO E. JAVIER
210121423

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Drawing Title:

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ROOF PLAN

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F.

Checked by: D.C.

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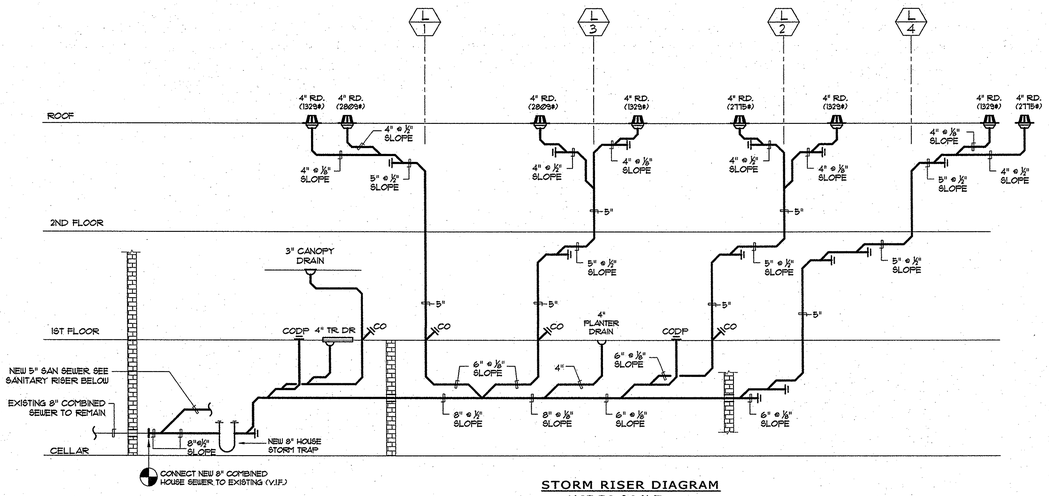

STORM RISER DIAGRAM
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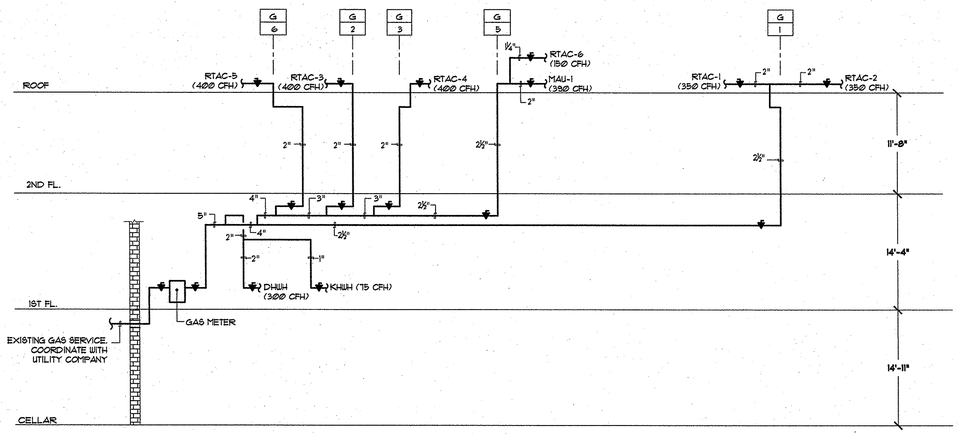

GAS RISER DIAGRAM
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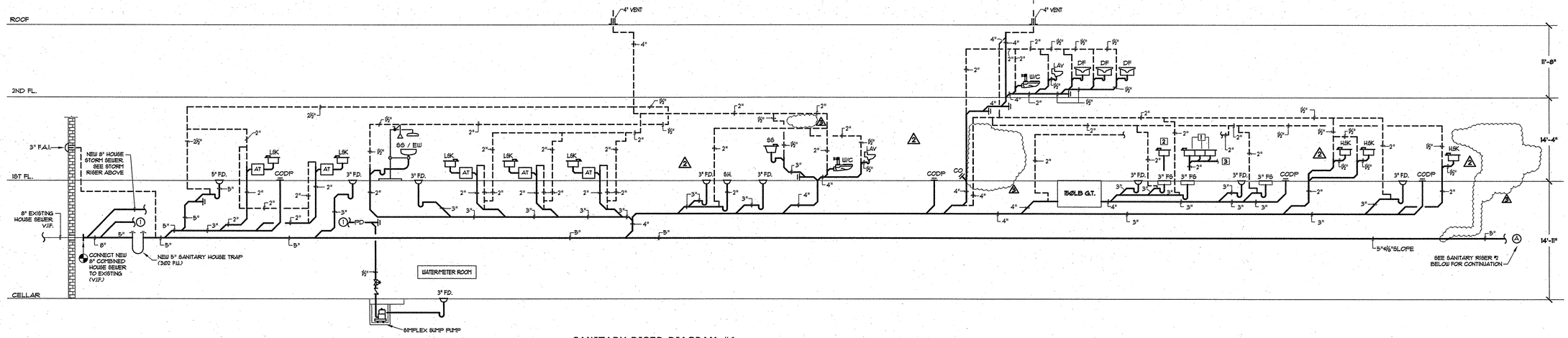
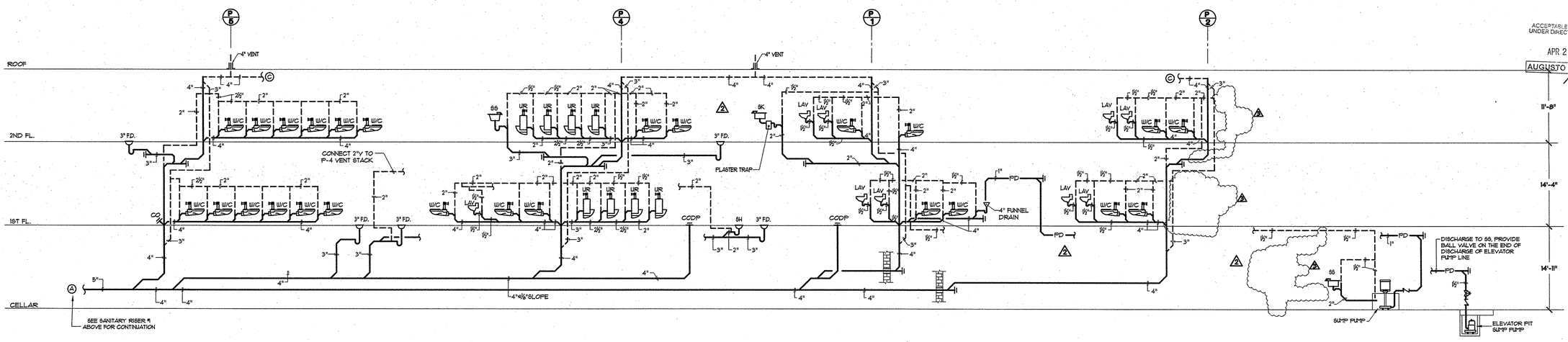


SANITARY RISER DIAGRAM #1
NOT TO SCALE



SANITARY RISER DIAGRAM #2
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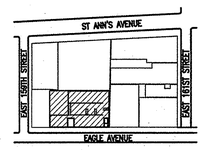

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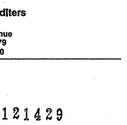

Drawing Title:

PLUMBING RISER DIAGRAMS

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F. **P-2.1**

Checked by: D.C.

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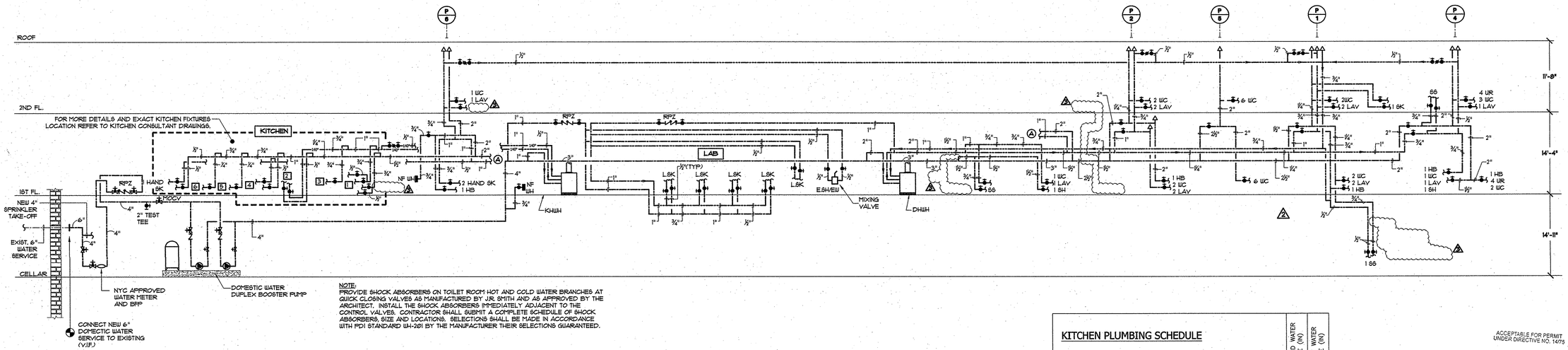

NOTE:
PROVIDE SHOCK ABSORBERS ON TOILET ROOM HOT AND COLD WATER BRANCHES AT QUICK CLOSING VALVES AS MANUFACTURED BY JR SMITH AND AS APPROVED BY THE ARCHITECT. INSTALL THE SHOCK ABSORBERS IMMEDIATELY ADJACENT TO THE CONTROL VALVES. CONTRACTOR SHALL SUBMIT A COMPLETE SCHEDULE OF SHOCK ABSORBERS, SIZE AND LOCATIONS. SELECTIONS SHALL BE MADE IN ACCORDANCE WITH PDI STANDARD WH-201 BY THE MANUFACTURER THEIR SELECTIONS GUARANTEED.

DOMESTIC WATER RISER DIAGRAM
NOT TO SCALE

KITCHEN PLUMBING SCHEDULE

ITEM #	QTY	EQUIPMENT CATEGORY	MANUFACTURER&MODEL	COLD WATER SIZE (IN)	HOT WATER SIZE (IN)
1	1	3 COMPARTMENT SCULLERY SINK	ADVANCE TABCO 94-K4-24D	½"	½"(140°)
2	1	PREP COUNTER	-	½"	½"(140°)
3	1	DISH WASHER	HOBART LXIH	-	¾"(140°)
4	1	COFEE STATION	-	½"	½"
5	1	COFEE BREWER	BUNN CWTF15-3	½"	-
6	1	HOT WATER DISPENCER	TRAULSEN	½"	-
7	1	HOT PAN	ATLAS METAL WH-3	-	-
8	1	COLD PAN	ATLAS METAL WCM-3	-	-

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Project Title: PHASE 2

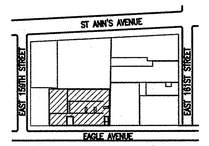
The New LIFE Secondary School

A Conversion of an Existing Warehouse Into a New High School Building

831 Eagle Avenue
Block 2619 Lot 27
Bronx, NY 10456

Clients:

Lutheran Social Services of New York
475 Riverside Drive #1244
New York, NY 10115
Tel: 212-870-1100 Fax: 212-870-1101



Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
	05.27.08	BID SET
	07.31.08	ISSUED FOR CONSTRUCTION
	12.04.08	BULLETIN #1
	01.22.09	REVISION 1
1	04.02.09	REVISED AS PER DOB RESUBMISSION

Revisions:

Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.maparchitects.com

Structural Engineer:

Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:

Rodkin Cardinale, P.C.
Consulting Engineers
214 West 29th Street
New York, NY 10001
Tel: (212) 239-1892 Fax: (212) 239-6412

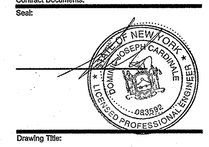
Expeditor:

Upright Expeditors
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

210121429

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:



Drawing Title:

DOMESTIC WATER RISER DIAGRAMS

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F. **P-2.2**

Checked by: D.C.

RC 0802

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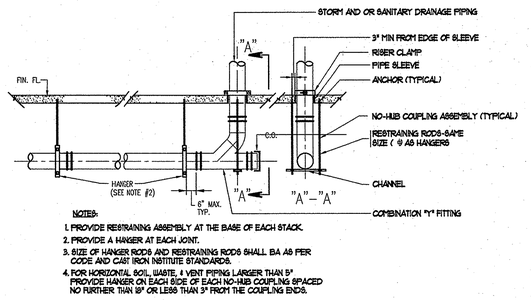
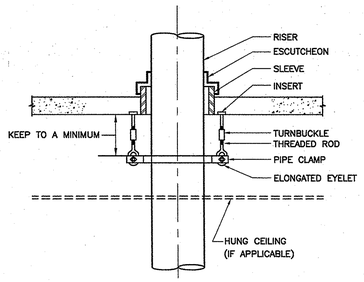


NOTES:

1. PROVIDE RESTRAINING ASSEMBLY AT THE BASE OF EACH STACK.
2. PROVIDE A HANGER AT EACH JOINT.
3. SIZE OF HANGER RODS AND RESTRAINING RODS SHALL BA AS PER CODE AND CAST IRON INSTITUTE STANDARDS.
4. FOR HORIZONTAL SOIL, WASTE, & VENT PIPING LARGER THAN 5" PROVIDE HANGER ON EACH SIDE OF EACH NO-HUB COUPLING SPACED NO FURTHER THAN 18" OR LESS THAN 3" FROM THE COUPLING ENDS.

NO-HUB PIPING RESTRAINING DETAIL

SCALE: N.T.S.



RISER SUPPORT - EXPOSED AREAS

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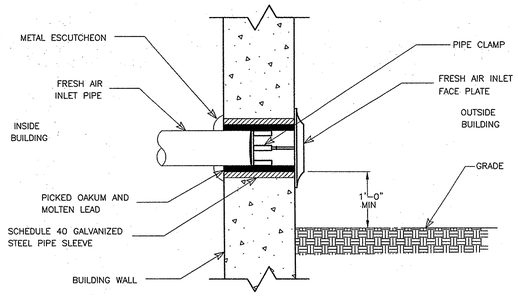

FRESH AIR INLET

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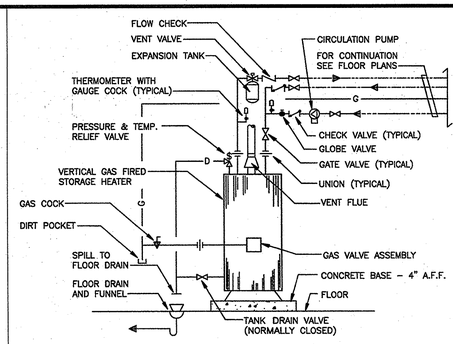

GAS FIRED WATER HEATER

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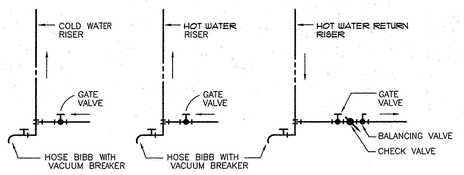

DIAGRAMMATIC VALVING ARRANGEMENT AT BASE OF WATER RISERS

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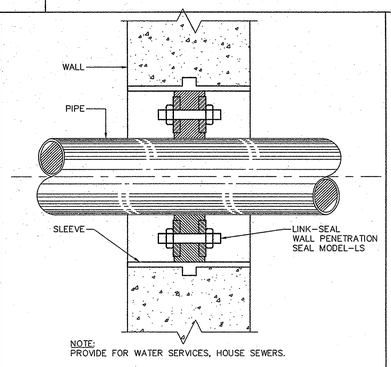
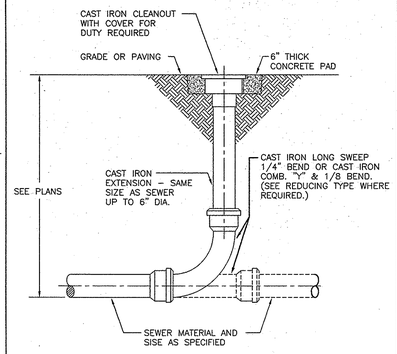


NOTE:
PROVIDE FOR WATER SERVICES, HOUSE SEWERS.

EXTERIOR WALLS DETAIL OF WATER TIGHT SLEEVE

SCALE: N.T.S.



EXTERIOR CLEANOUT

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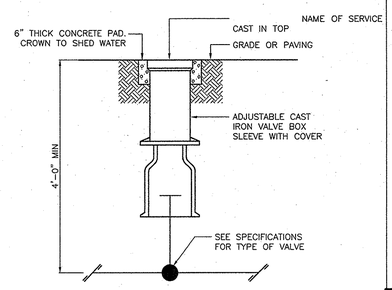

CURB VALVE BOX DETAIL

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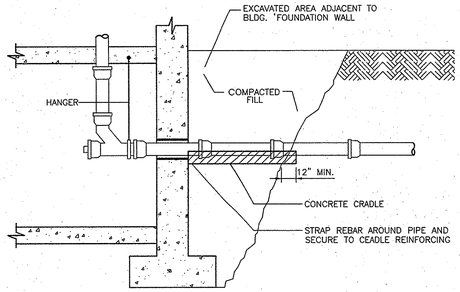

UNDERGROUND SUPPORT FOR PIPING AT FOUNDATION WALL

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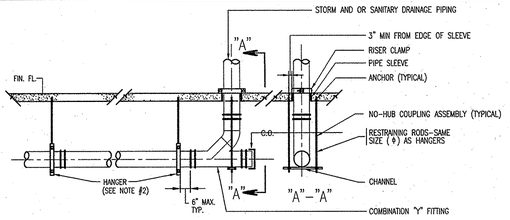

NOTES:

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NO-HUB PIPING RESTRAINING DETAIL

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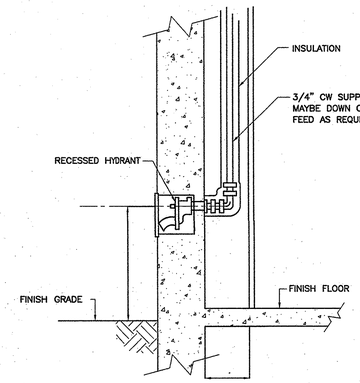
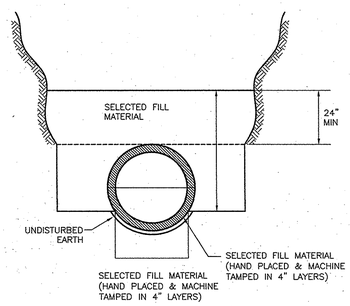


WALL HYDRANT

SCALE: N.T.S



TRENCH DETAIL

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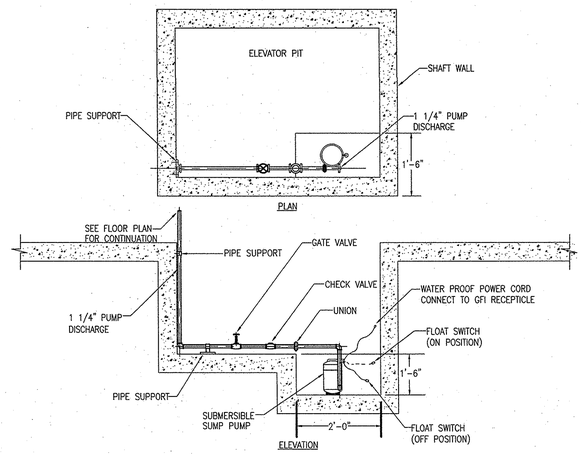
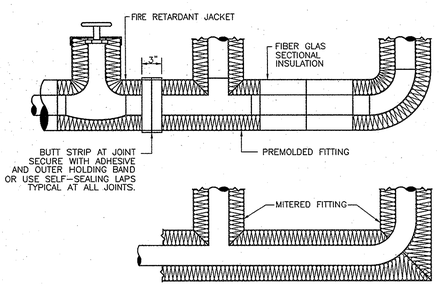
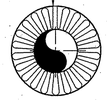


ELEVATOR SUMP PUMP DETAIL

SCALE: N.T.S





CONCEALED VALVES AND FITTINGS

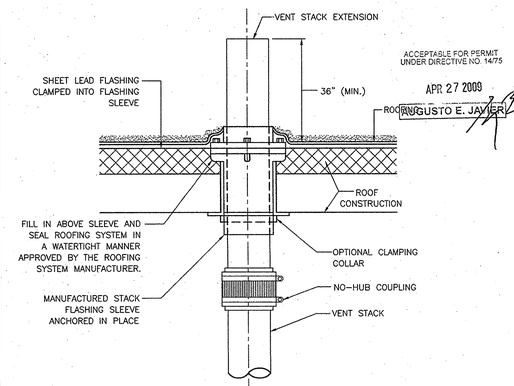
* WRAP WITH 1–INCH THICK, 1–POUND DENSITY TO REQUIRED PIPE INSULATION THICKNESS.
* SECURE WITH WIRE OR TAPE.
* VAPOR SEAL COLD WATER, CHILLED WATER AND STORM WATER PIPING.

EXPOSED VALVES AND FITTINGS

* PREMOLDED FIBER GLASS OR RADIAL MITERED PIPE INSULATION.
* SKIM COAT OF INSULATING CEMENT.
* WRAP WITH FIBER GLASS REINFORCING CLOTH.
* FINISH COAT OF MASTIC.
* OVERLAP 2–INCHES ON PIPE INSULATION.

INSULATION OF PIPING,VALVES AND FITTINGS FOR EXPOSED AND CONCEALED LOCATIONS

NO SCALE



FLASHING SLEEVE

NOTE:
FINAL VENT STACK OUTLET LOCATION TO BE 15 FEET (MIN.) AWAY FROM ANY OUTSIDE VENTILATION AIR INTAKE LOCATION, 10 FEET (MIN.) FROM ANY WALL OR STRUCTURE AND 3 (MIN.) FEET ABOVE STRUCTURE.

VENT THRU ROOF

SCALE: N.T.S

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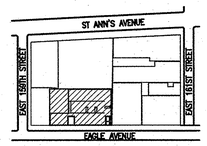

Key Plan:

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Revisions:

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Structural Engineer:

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Do Not Scale Plans
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Seal:

Drawing Title:

PLUMBING DETAILS

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F.

Checked by: D.C.

P-3.1

RC 0802

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NEW YORK CITY SPRINKLER NOTES

REFERENCES: BUILDING CODE, 1968 EDITION AND NFPA-13-1968 AS MODIFIED BY THE BUILDING CODE RSTI-2 AND B64A CAL. NO. 312-92-BCR.

1. AUTOMATIC SPRINKLER REQUIREMENTS AS PER ARTICLE 4, SECTION 27-954.
2. THE INSTALLATION COMPONENTS, SPACING, LOCATION, CLEARANCES, POSITION AND TYPE OF SYSTEMS SHALL CONFORM TO NFPA-13-1968 AS MODIFIED BY THE BUILDING CODE RSTI-2.
3. AS PER SECTION 27-958 ONLY APPROVED MATERIALS SHALL BE USED.
4. SPRINKLERS WILL BE PROTECTED AGAINST FREEZING AND INJURY AS PER SECTION 27-966.
5. INSPECTION AND TESTS OF SPRINKLER SYSTEM SHALL BE CONDUCTED AS SPECIFIED IN SECTION 27-961.
6. PIPING SPECIFICATIONS, PIPE SCHEDULES, SYSTEM TEST PIPES, PROTECTION AGAINST CORROSION, DAMAGE, FITTINGS, VALVES, HANGERS, SPRINKLERS, GUARDS AND SHIELDS SHALL BE IN ACCORDANCE WITH CHAPTER 3 OF NFPA-13 MODIFIED BY RSTI-2.
7. STOCK OF EXTRA SPRINKLERS WILL BE FURNISHED AS PER CHAPTER 3-11.7 OF NFPA-13 (REQUIRED FOR EACH TEMPERATURE RATING).
8. SPRINKLER ALARMS WILL BE IN ACCORDANCE WITH SECTION 27-957, RSTI-2 AND RSTI-3.
9. SPACING, LOCATION AND POSITION OF SPRINKLERS WILL BE IN ACCORDANCE WITH CHAPTER 4 OF NFPA-13 MODIFIED BY RSTI-2.
10. ALL BLIND SPACES EXCEEDING 6 INCHES IN WIDTH OR DEPTH WHICH CONTAIN COMBUSTIBLE MATERIALS WILL BE SPRINKLERED.
11. ALL PIPING PASSING THROUGH CONSTRUCTION REQUIRED TO HAVE A FIRE-RESISTANCE RATING SECTION 27-343(B).
12. THERE IS NO PILED HIGH STORAGE AS DEFINED IN CHAPTER 4-13.10 OF NFIPA-13.
13. DISTANCE OF SPRINKLERS FROM HEAT SOURCES SHALL BE IN ACCORDANCE WITH TABLE 3-11.6(A) OF NFIPA-13.
14. AUTOMATIC INTERLOCK CUTOFF SWITCH FOR VENTILATION WILL CONFORM TO PARAGRAPH 1005 OF RS 13-1 (APPLICABLE ONLY IF THERE IS AN AIR SYSTEM UTILIZING RECIRCULATED AIR AND REQUIRING A THERMOSTATIC DEVICE).
15. ALL VALVES SHALL BE IDENTIFIED AS REQUIRED BY CHAPTER 3-9.4 OF NFIPA-13.
16. DRAINAGE TO CONFORM TO CHAPTER 3-6 OF NFIPA-13.
17. A ONE PIECE REDUCING FITTING OF GOOD DESIGN SHALL BE USED WHEREVER A CHANGE IS MADE IN THE SIZE OF PIPE AS PER CHAPTER 3-8.3 OF NFIPA-13.
18. ALL VALVES ON CONNECTIONS TO WATER SUPPLIES AND IN SUPPLY TO SPRINKLERS SHALL BE APPROVED OS&Y OR APPROVED INDICATOR TYPE AND SHALL BE PROVIDED WITH TAMPER SWITCH.
19. DRAIN VALVES AND TEST VALVES SHALL BE APPROVED TYPE AS PER CHAPTER 3-9.12 OF NFIPA-13.
20. HANGERS SHALL BE OF A TYPE APPROVED FOR USE WITH THE PIPE OR TUBE INVOLVED. SPRINKLER PIPING SHALL BE SUPPORTED BY ROUND WROUGHT IRON U-TYPE OR APPROVED ADJUSTABLE HANGERS AS PER CHAPTER 3-10, OF NFIPA-13 AND RSTI-2.
21. PROVISIONS SHALL BE MADE TO FACILITATE FLUSHING SYSTEM PIPING BY PROVIDING FLUSHING CONNECTIONS CONSISTING OF A CAPPED NIPPLE 4" LONG ON THE END OF THE CROSS MAIN AS PER CHAPTER 3-3.2 OF NFIPA-13.
22. SPRINKLER HEADS SHALL BE APPROVED TYPE AS PER CHAPTER 3-11 OF NFIPA-13.
23. TEMPERATURE RATING SHALL COMPLY WITH CHAPTER 3-11.6 OF NFIPA-13.
24. 18" MINIMUM CLEAR TO BELOW SPRINKLER DEFLECTOR AS PER CHAPTER 4-2.5.1 OF NFIPA-13.
25. DISTANCE FROM SPRINKLER DEFLECTOR TO CEILING AS PER CHAPTER 4-3 OF NFIPA-13.
26. AUTOMATIC FIRE PUMP AS AUTOMATIC SOURCE OF WATER SUPPLY FOR SPRINKLER SYSTEMS AS PER SECTIONS 27-961, 27-946 AND 27-947.
27. SOURCES OF WATER SUPPLY FOR SPRINKLER SYSTEMS AS PER SECTION 27-962.
28. SIAMESE CONNECTIONS AS PER SECTION 27-946 AND MARKING AS PER RSTI-1, CHAPTER 2(B).
29. WATER SUPPLY FOR AUTOMATIC FIRE PUMP AS PER SECTION 27-947(B)(1) AND (3).
30. FIRE PUMP TESTS AS PER SECTION 27-951(H) AND (I).
31. INSTALLATION OF AUTOMATIC FIRE PUMP AS PER RSTI-1 CHAPTER 5(A)(1)(3).
32. THIS APPLICATION IS NOT FILED AS A RESULT OF ACTIONS BY THE FIRE COMMISSIONER AS AUTHORIZED BY THE B64-A TO MODIFY THE CERTIFICATE OF OCCUPANCY NOR IS SUCH ACTION PENDING. LIGHT HAZARD: 91,000 SQFT.
33. PROTECTION AREA LIMITATION PER SYSTEM RISERS AS PER 4-2.2.1

FIRE PROTECTION SYMBOLS & ABBREVIATIONS

—F—	COMBINED FIRE STAND/PIPE AND SPRINKLER PIPING
—SPR—	SPRINKLER PIPING
—DR—	DRAIN PIPING
	GATE VALVE
	CONTROL VALVE WITH TAMPER SWITCH
	FLOW ALARM DETECTOR
	CHECK VALVE
ABD	CHECK VALVE WITH AUTOMATIC BALL DRIP
	WATER FLOW DETECTOR
	TEST DRAIN CONNECTION
	DROP/DOWN
	RISE/UP
	TOP CONNECTION
	BOTTOM CONNECTION
	FIRE DEPARTMENT SIAMESE CONNECTION
	SLOPE CHANGE IN PIPE ELEVATION
SD	SMOKE DETECTOR
SR	SPRINKLER RISER
FCVA	FLOOR CONTROL VALVE ASSEMBLY
ABD.	AUTOMATIC BALL DRIP
C.L.G. EL.	CEILING ELEVATION
AFF.	ABOVE FINISH FLOOR
FL.	FLOOR
N.A.S.	NO AUTOMATIC SPRINKLER
N.T.S.	NOT TO SCALE
O.S.& Y.	OUTSIDE STEM AND YOKE VALVE
T.S.	TAMPER SWITCH
W.A.D.	WATER ALARM DETECTOR
F.D.	FLOOR DRAIN
R.C.V.	RISER CONTROL VALVE
P.G.	PRESSURE GAGE
●	CONCEALED PENDENT HEAD
O	UPRIGHT HEAD
▲	SIDE WALL HEAD - STANDARD COVERAGE

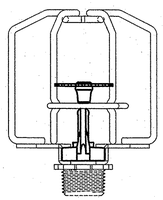
HYDRANT FLOW TEST DATA:

TEST WAS DONE IN VICINITY OF 831 EAGLE AVENUE, BRONX:

STATIC PRESSURE:	58 PSI
RESIDUAL PRESSURE:	56 PSI
TEST FLOW:	500 GPM

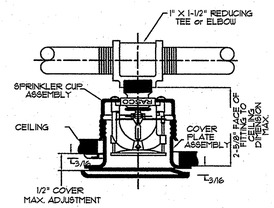
SPRINKLER APPLICATION CHART

RELIABLE MODEL NO.	SYMBOL	TEMPERATURE RATING	FINISH	STYLE	K-FACTOR	RESP.	NYC MEA # B64A #	REMARKS (LOCATIONS)
GFR	O	165° F	BRASS	UPRIGHT	5.6	QUICK	258-93-E	OPEN CEILINGS
GFR	◎	155° F	BRASS	UPRIGHT WITH GUARD	5.6	QUICK	258-93-E	GIMNASIUM GUARD MODEL D-1
G4A	●	165° F	WHITE PAINTED	CONCEALED	5.6	QUICK	258-93-E	OFFICE ROOMS, CORRIDORS, DROP CEILINDS
FRR-300	◄	155° F	CHROME	SIDEWALL STANDARD	8.0	QUICK	258-93-E	OPEN CEILINGS
F3QR	◁	165° F	BRONZE	SIDEWALL DRY	5.6	QUICK	258-93-E	GAS METER ROOM



UPRIGHT SPRINKLER HEAD WITH SPRINKLER GUARD MODEL D-1

SCALE: N.T.S.



RELIABLE MODEL 'G-4' CONCEALED SPRINKLER

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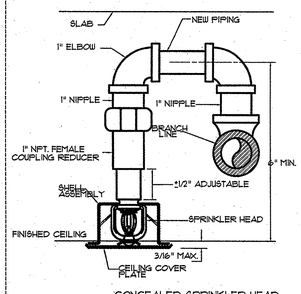

CONCEALED SPRINKLER HEAD SWING CONNECTION

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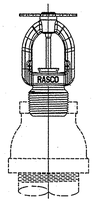

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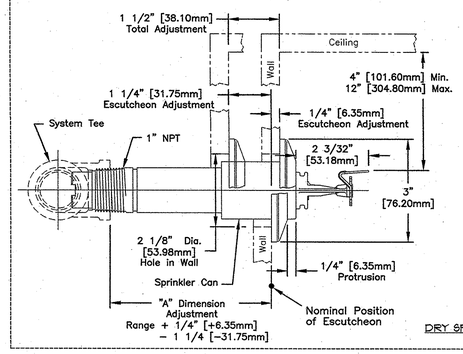
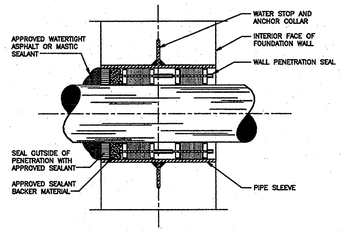


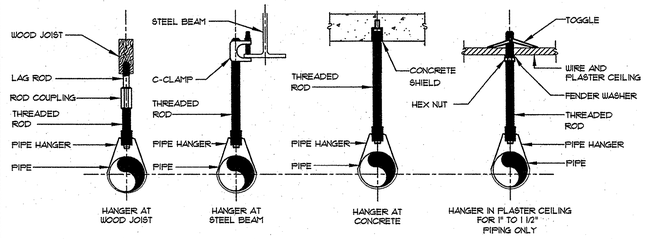
DRY SPRINKLER MODEL F3QR

SCALE: N.T.S.



PIPE SLEEVE THRU EXTERIOR FOUNDATION WALL

NOT TO SCALE

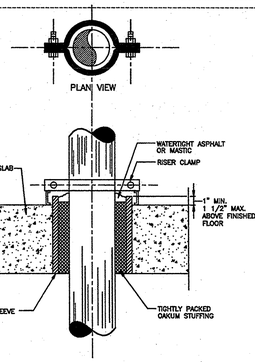


HANGER DETAIL

SCALE: NONE

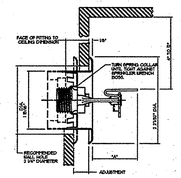
ROD SCHEDULE

PIPE SIZE	ROD SIZE	SPACING	PIPE SIZE	ROD SIZE	SPACING	PIPE SIZE	ROD SIZE	SPACING
1/2"	3/8"	5'-8'	1 1/2"	3/8"	8'-10'	4"	1/2"	12'-15'
3/4"	3/8"	5'-8'	2"	3/8"	10'-12'	5"	1/2"	12'-15'
1"	3/8"	5'-8'	2 1/2"	3/8"	10'-12'	6"	1/2"	12'-15'
1 1/4"	3/8"	6'-10'	3"	3/8"	10'-12'			



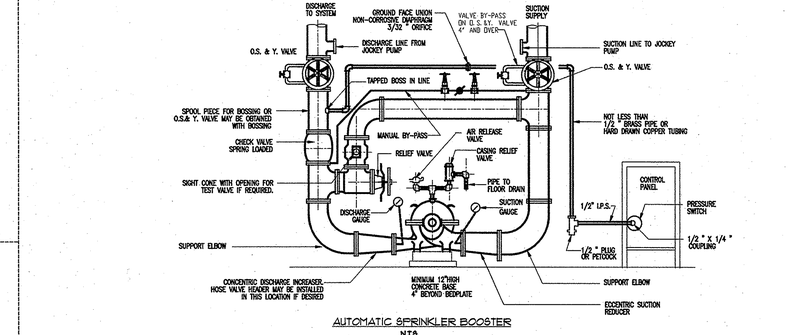
PIPE SLEEVE THRU FLOOR SLAB

NOT TO SCALE



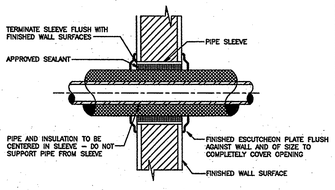
SIDEWALL SPRINKLER HEAD

SCALE: N.T.S.



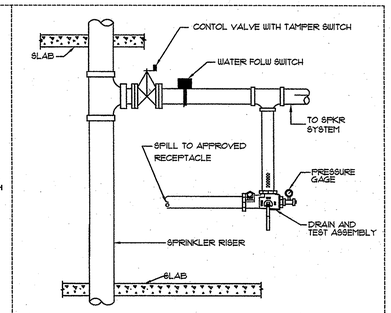
AUTOMATIC SPRINKLER BOOSTER

N.T.S.



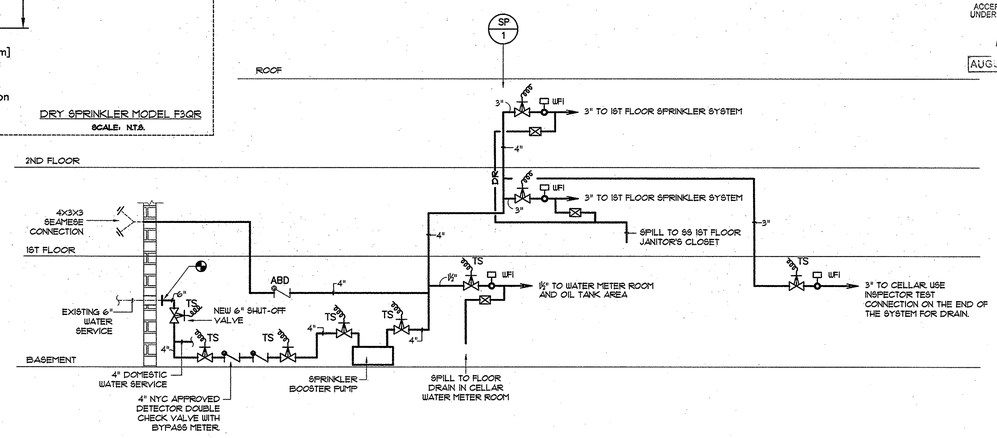
PIPE SLEEVE THRU INTERIOR WALL

NOT TO SCALE



SPRINKLER RISER W/ SPRINKLER VALVE ASSEMBLY

SCALE: N.T.S.



SCHEMATIC SPRINKLER RISER DIAGRAM

NOT TO SCALE

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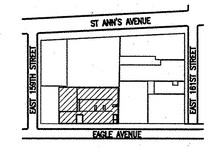

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Architect:

Magnusson Architecture & Planning PC
853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
www.magarchitects.com

Structural Engineer:
Nash Associates Structural Engineers
51 MacDougal Street, Suite 359
New York, NY 10012
Tel: (917) 548-5649

MEP Engineer:
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Consulting Engineers
214 West 29th Street
New York, NY 10001
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Expeditor:
Upright Expediters
249 Seacliff Avenue
Seacliff, NY 11579
Tel: 516-676-2110

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APR 27 2009

AUG... J.E. JAVIER

210121429

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.

Seal:

Drawing Title:
SPRINKLER NOTES, DETAILS AND RISER DIAGRAM

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F.

Checked by: D.C.

SP-0.1

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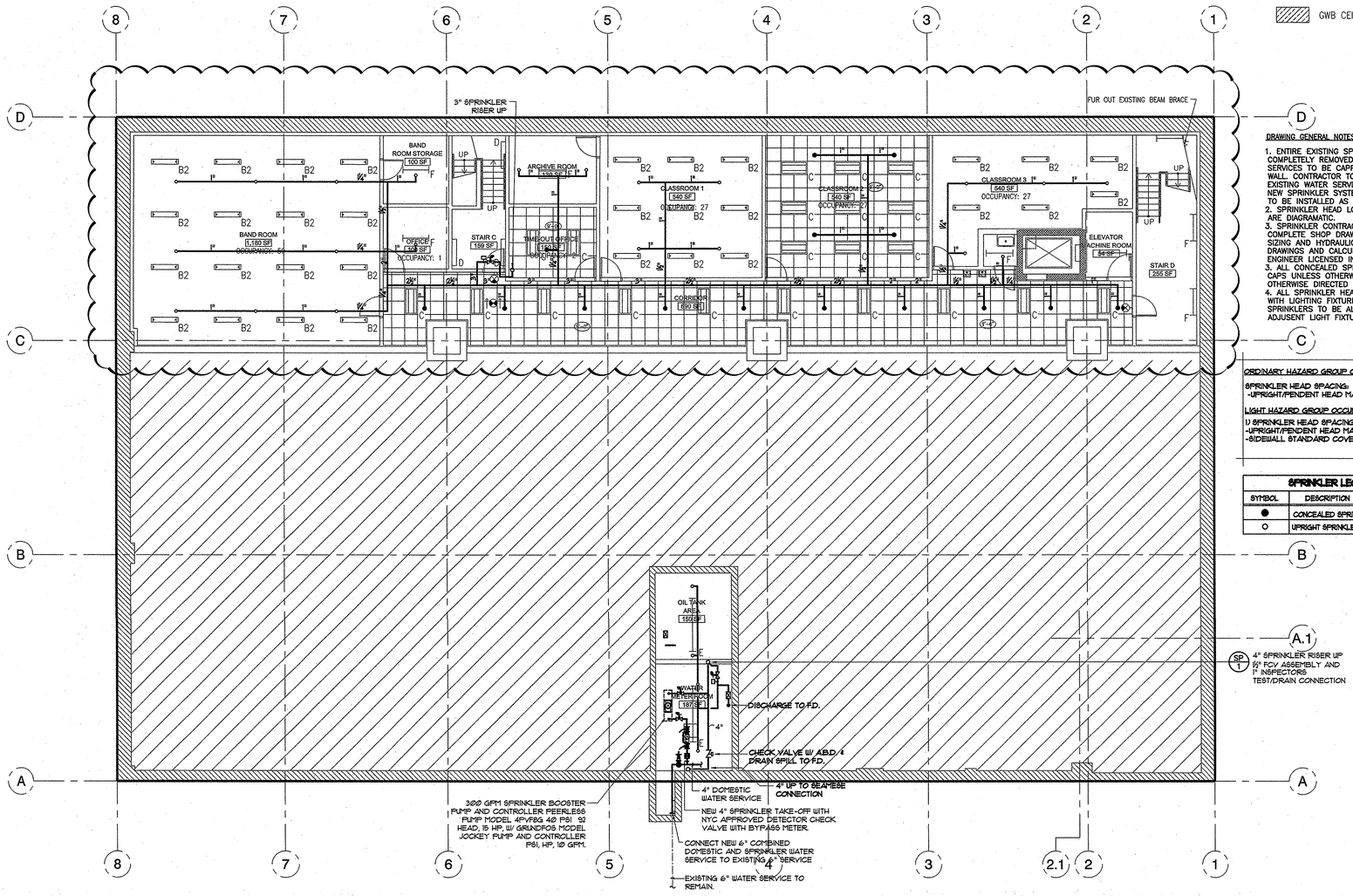

ACOUSTIC CEILING TILE

GWB CEILING LOW

GWB CEILING HIGH

DRAWING GENERAL NOTES

1. ENTIRE EXISTING SPRINKLER SYSTEM WITHIN THE FLOOR TO BE COMPLETELY REMOVED BACK TO WATER ROOM. EXISTING WATER SERVICES TO BE CAPPED AND ABANDONED INTO THE ENTRY WALL. CONTRACTOR TO VERIFY IN FIELD A CONDITION OF THE EXISTING WATER SERVICE PIPING IN ORDER TO REUSE IT FOR NEW SPRINKLER SYSTEM CONNECTION. NEW SPRINKLER SYSTEM TO BE INSTALLED AS SHOWN ON THIS DRAWING.
2. SPRINKLER HEAD LOCATIONS SHOWN ON SPRINKLER DRAWING ARE DIAGRAMATIC.
3. SPRINKLER CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE SHOP DRAWINMGS INCLUDING HEAD LOCATIONS, PIPE SIZING AND HYDRAULIC CALCULATIONS. SPRINKLER SHOP DRAWINGS AND CALCULATIONS SHALL BEAR THE SEAL OF AN ENGINEER LICENSED IN THE PROJECT STATE.
3. ALL CONCEALED SPRINKLER HEADS SHALL HAVE WHITE FINISH CAPS UNLESS OTHERWISE NOTED ON DRAWINGS OR AS OTHERWISE DIRECTED BY ARCHITECT.
4. ALL SPRINKLER HEAD LOCATIONS TO BE FIELD COORDINATED WITH LIGHTING FIXTURES: – IN GYP. BD CEILING AREAS SPRINKLERS TO BE ALIGNED WITH OR CENTERED BETWEEN ADJUSENT LIGHT FIXTURES.

ORDINARY HAZARD GROUP OCCUPANCY

SPRINKLER HEAD SPACING:
-UPRIGHT/PENDENT HEAD MAX 130 SQFT.

LIGHT HAZARD GROUP OCCUPANCY

1) SPRINKLER HEAD SPACING
-UPRIGHT/PENDENT HEAD MAX 225 SQFT
-SIDEWALL STANDARD COVERAGE 14'X14'

SPRINKLER LEGEND

SYMBOL	DESCRIPTION
●	CONCEALED SPRINKLER HEAD
○	UPRIGHT SPRINKLER HEAD

BASEMENT PLAN

SCALE: 1/8" = 1'-0"

NEW CONSTRUCTION SHALL COMPLY WITH NYC LOCAL LAW 17/95 AND RS 9–6

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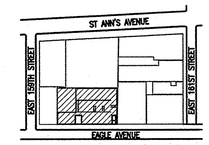

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Architect:
[redacted]
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853 Broadway, Suite 800 New York, NY 10003
Tel (212) 253-7820 Fax (212) 253-1276
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AUGUSTO E. JAVIER

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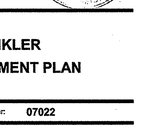

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SPRINKLER BASEMENT PLAN

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F.

Checked by: D.C.

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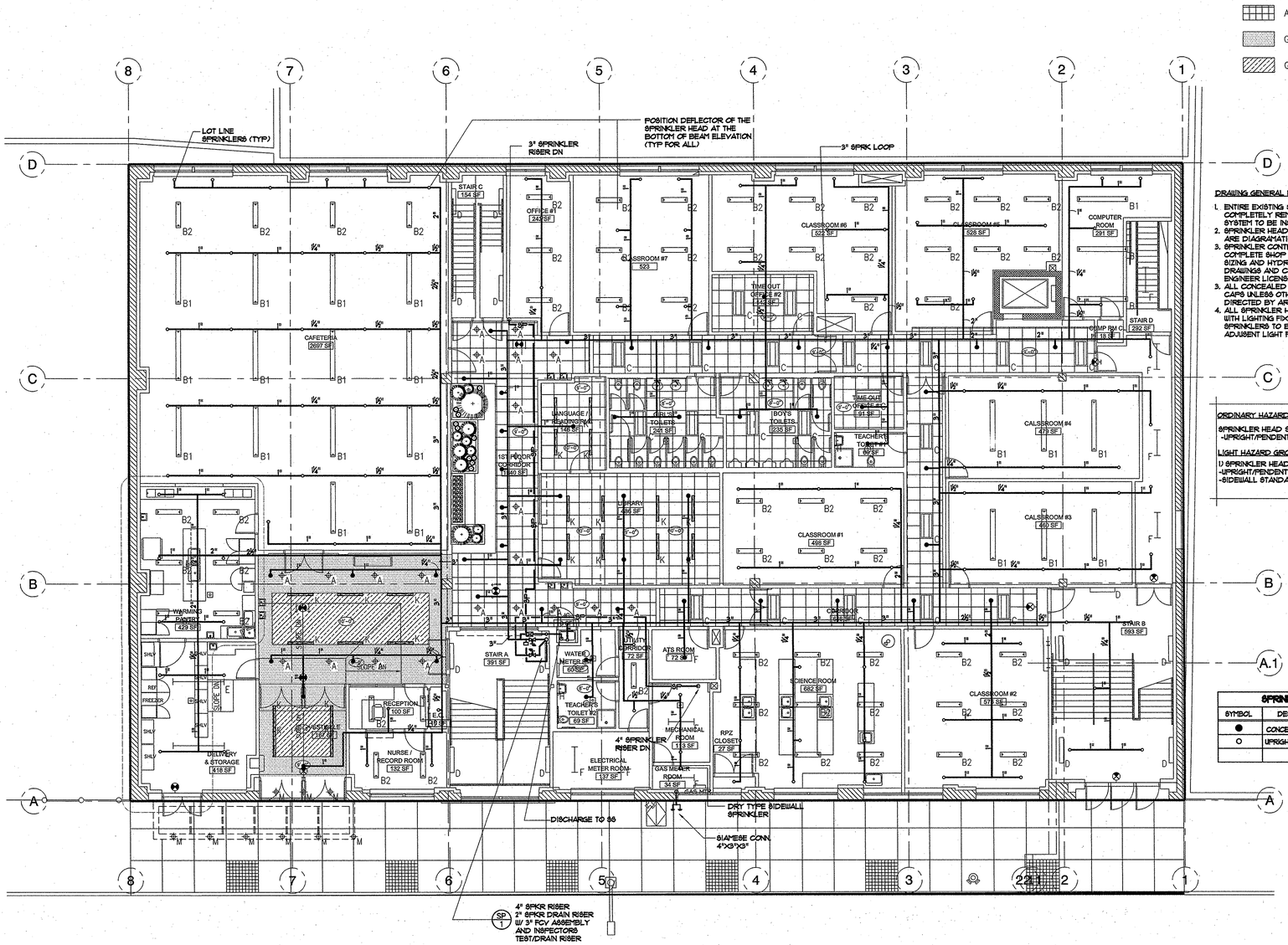

FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

DRAWING GENERAL NOTES

1. ENTIRE EXISTING SPRINKLER SYSTEM WITHIN THE FLOOR TO BE COMPLETELY REMOVED BACK TO CELLAR. NEW SPRINKLER SYSTEM TO BE INSTALLED AS SHOWN ON THIS DRAWING.
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-UPRIGHT/PENDENT HEAD MAX 130 SQFT.

LIGHT HAZARD GROUP OCCUPANCY

1) SPRINKLER HEAD SPACING
-UPRIGHT/PENDENT HEAD MAX 225 SQFT
-SIDEWALL STANDARD COVERAGE 14'X14'

SPRINKLER LEGEND	
SYMBOL	DESCRIPTION
●	CONCEALED SPRINKLER HEAD
○	UPRIGHT SPRINKLER HEAD

NEW CONSTRUCTION SHALL COMPLY WITH NYC LOCAL LAW 17/85 AND RS 9-6

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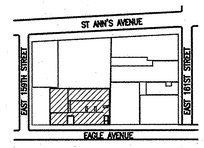

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Architect:

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853 Broadway, Suite 800 New York, NY 10003
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Structural Engineer:

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New York, NY 10012
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AUGUSTO E. LAMIER

210121429

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Drawing Title:

SPRINKLER FIRST FLOOR PLAN

Project Number: 07022

Date: Drawing #

Scale: AS NOTED

Drawn by: L.F.

Checked by: D.C.

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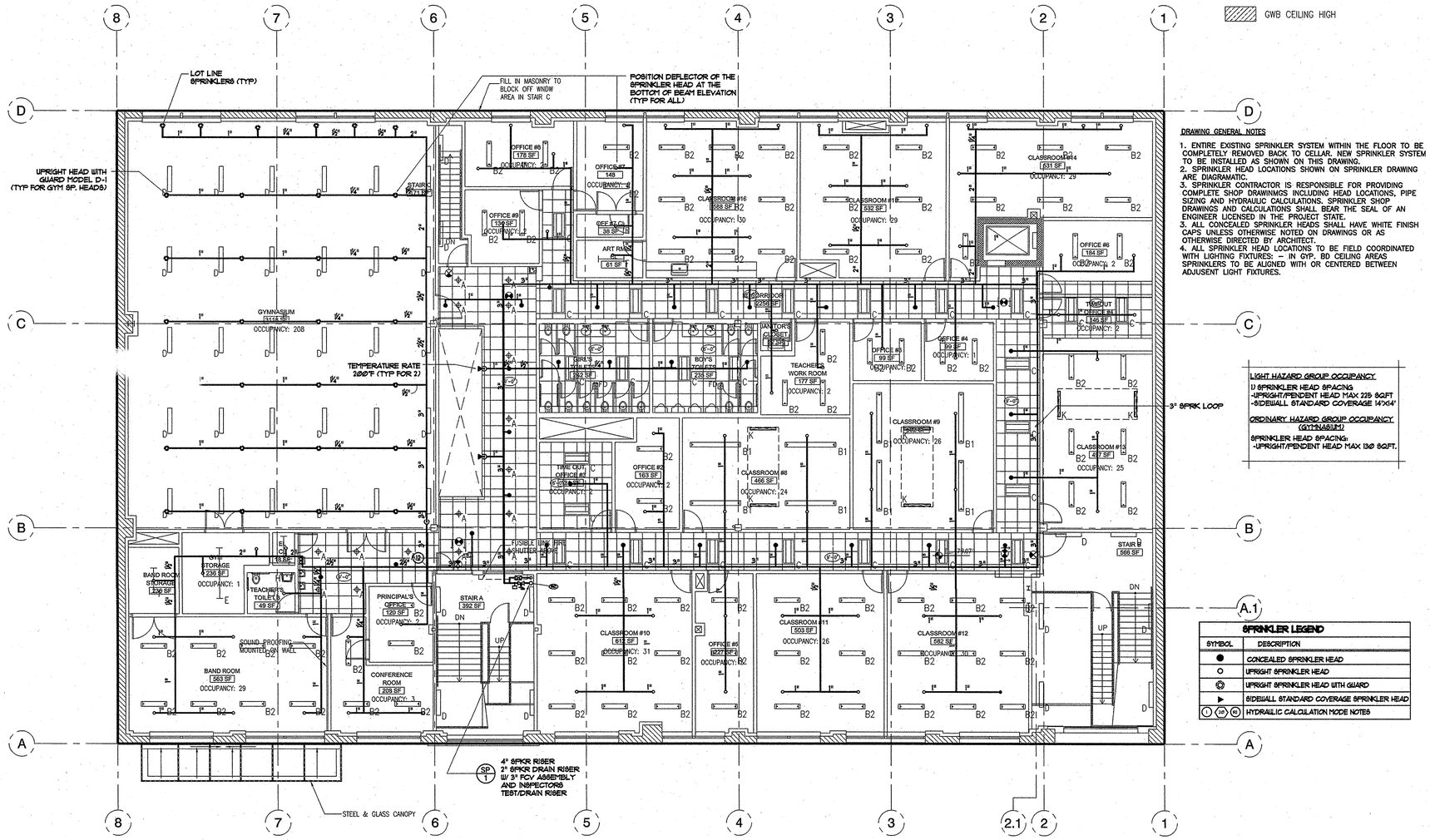

SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

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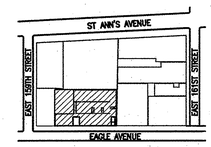

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AUGUSTO E. [illegible]

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SPRINKLER SECOND FLOOR PLAN

Project Number: 07022

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Scale: AS NOTED

Drawn by: L.F.

Checked by: D.C.

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