7
7b
L.R./D.R./G.A.
F 1BR
553 SF
SPRINKLER
ASSEMBLY
- OS&Y GA
- WATERFL
- PRESSUR
- DRAIN AN
B.
TYPE B2A
K
TYPE K1
6
REFUSE CHUTE
SPRINKLER RISER
K
L.R./D.R.
E 1BR
614 SF
622 SF
24th THRU 37th FL ONLY
24TH THRU 37TH
38TH THRU 45TH
F.
d.
B.R.

C. Smoke Detection System

1. Each dwelling unit is equipped with a smoke/carbon monoxide detector (single station type) near sleeping areas. Smoke detectors are also provided in electrical and mechanical areas as shown on the plans. HVAC units have been provided with smoke detectors and fan shut-down relay for units exceeding 2000 cfm.

D. Fire Command Station

1. A fire alarm control panel is provided in each first floor lobby of the Apartment house, American Cancer Society and Franciscan Friars.

E. Elevator Recall

1. A two position key-operated switch shall be provided at the First Floor Level for the elevators.

F. Standpipe System

1. The standpipe system is designed in accordance with the New York City Building Code.
2. Per C27-952, standpipes are subject to controlled inspection if applicant does not choose to have tests witnessed by a representative of the Department.

H. Automatic Sprinkler System

1. The sprinkler system is designed in accordance with the New York City Building Code and is supplied from a combined fire standpipe and sprinkler system.
2. An automatic sprinkler system shall be provided throughout, within all residence units, storage areas, compactor room, refuse chute, lot line windows, laundry room and all corridors.
3. Per C27-967 and C27-932, sprinkler systems are subject to controlled inspection if applicant does not choose to have test witnessed by a representative from the Department.

J. Mechanical, Ventilation and Air Conditioning System

1. The ventilation of the residential corridors will be provided by gas-fired, roof-top units operating with 100% outdoor air.
2. The AC units for heating and cooling of the apartments are steam incremental units capable of maintaining temperatures, as per ASHRAE 90.1 and NYS Energy Code.
3. The air conditioning to the main lobby will be provided by a water cooled 20 tons PAC unit..
4. All toilet and kitchen exhaust systems risers shall have a fire damper at each outlet or register from the riser. Windowless areas such as bathrooms and kitchens will be mechanically ventilated via exhaust risers to the exterior.
5. Mechanical Areas will be ventilated with a separate exhaust system and supply fans.

K. Smoke Control Systems and Equipment

1. The HVAC systems supplying public areas are equipped with smoke detecting devices that will shut down the system upon detecting smoke, as required by Building Code Section C27-777.01.

ALEKSANDR KOVAL

DEC 07 2006

PETER CLAMAN

104564464

DRAWING TITLE NARRATIVES	PROJECT NAME 125 West 31st Street NEW YORK, NEW YORK	SCALE DRAWN BY CHECKED BY
	PROJECT NUMBER / DATE	DRAWING NUMBER FPP-26

S. OTHERS

1. All materials, assemblies, forms and methods of construction and service equipment shall meet the following requirements:
   - A. It shall have been acceptable prior to the effective date of the Code by the Board, or It shall have been accepted for use under the prescribed code test methods by the Commissioner, or
   - B. It shall have been approved by the Board of Standards and Appeals (C27-131).

2. All materials or assemblies required to have a fire resistance rating shall comply with one of the following
   - A. It shall conform with NFBU "Fire Resistance Ratings"- December 1964, or
   - B. It shall have been tested in accordance with ASTM E-119-1961, "Standard Methods of Fire Tests of Building Construction and Materials" and accepted by the Commissioner, or
   - C. It shall have been acceptable prior to the effective date of the Code.

3. Firestopping:

Concealed Spaces within partitions, walls, floor, roofs, stairs, furring, pipe spaces, column enclosures, etc. shall be firestopped (except where concealed spaces is sprinklered) with non-combustible material that can be shaped, fitted and permanently secured in position. Non-combustible firestopping may be masonry set in mortar, concrete, ¾" mortar or plaster on non-combustible lath, plaster board at least 3/8" thick, sheet metal of at least 0.0002" thickness, solid metal structural members, ¼" minimum-cement board of equivalent materials, mineral-, slab- or rockwool when compacted into confined spaces (C27-345).

4. Interior Building Signage and Exit signs:

All exterior signs shall be weather-tight in accordance with building standards. All mechanically fastened plaques, signs, and access plates shall incorporate provisions for attachment and removal as required, using no visible screws or fasteners. All adhesives shall be used in accordance with recommendations made by the manufacturer of the material to specified to be laminated or adhered. No adhesives that will fade, discolor or delaminate as a result of proximity to ultraviolet source or heat shall be used. No adhesives shall change the color or deteriorate the material to which they are applied. Typography to be used shall be "Univers Condensed".

Signs at stairs and elevators will be provided per C27-390. Stair and Elevator identification signs, Re-Entry and Egress signs shall be 1/8" thick anodized aluminum Metalphoto panel with matte black graphics. Signs shall be attached using "Very High Bond" (VHB) tape and silicone as required.

Residential Unit Identification signs shall be 1/8" thick stainless steel letterforms, #4 finish with sandblasted returns. Attachment shall be by silicone or epoxy adhesive required.

ALEKSANDR KOVAL

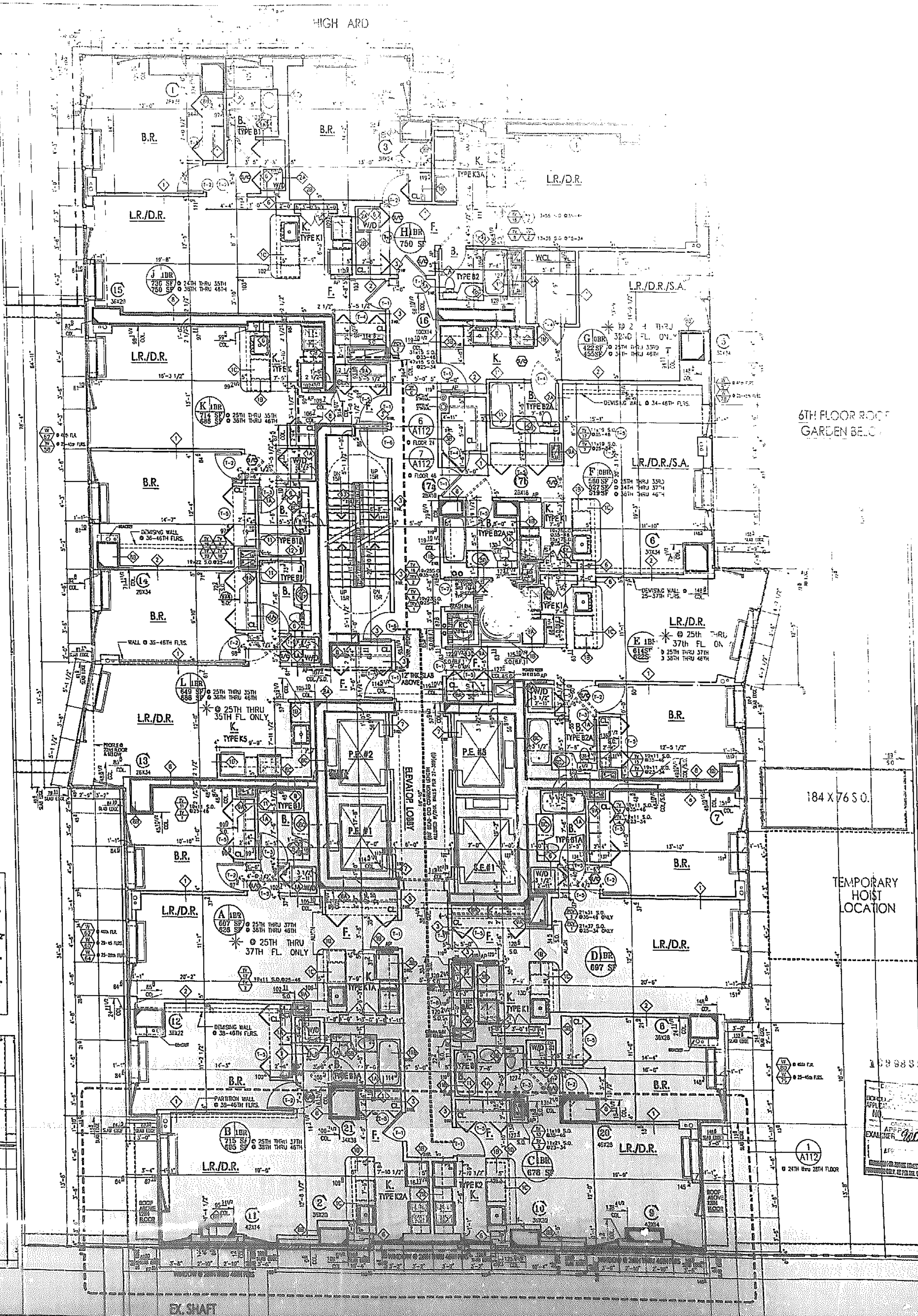
No. 006855

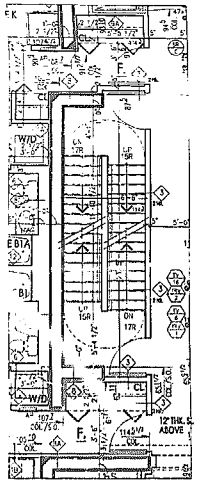
DEC 07 2006

ACCEPTABLE FOR PERMIT UNDER [illegible] NO. 14 1975

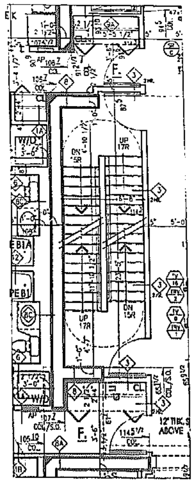
104564464

DRAWING TITLE: NARRATIVES	PROJECT NAME: 125 West 31st Street NEW YORK , NEW YORK	SCALE: N.T.S
[redacted]		DRAWN BY
		CHECKED BY
	PROJECT NUMBER: 2002-04	CADD FILE NUMBER: T:\W32\D\D4\31(2002-04)\FPP\W32_FPP-21-28_NARR.DWG	DATE: 10-16-06	DRAWING NUMBER: FPP-28





6 PART PLAN STAIR A & B (@ FLOOR 25)
SCALE: 1/4" = 1'-0"



7 PART PLAN STAIR A & B (@ FLOOR 46)
SCALE: 1/4" = 1'-0"

EGRESS CAPACITY 25–46 FLOORS

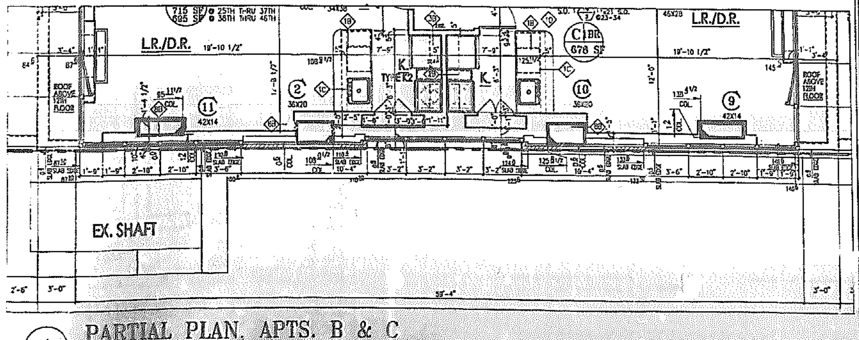
REQUIRED:
2 BDR @ 1 PERS/APT. = 2 PERSONS
9 1BR @ 2 PERS/APT. = 18 PERSONS

TOTAL (11 APTS.) = 20 PERSONS

PROVIDED: (AS PER B.C. 27-375,b.,1.)
2 STAIRS X 30 PER/CAPACITY EACH
= 60 PER/CAPACITY

T.O.S. ELEVATIONS

46TH FLOOR	EL.: +498'-2 1/2"
45TH FLOOR	EL.: +489'-0"
44TH FLOOR	EL.: +479'-9 1/2"
43RD FLOOR	EL.: +470'-7"
42ND FLOOR	EL.: +461'-4 1/2"
41ST FLOOR	EL.: +452'-2"
40TH FLOOR	EL.: +442'-11 1/2"
39TH FLOOR	EL.: +433'-9"
38TH FLOOR	EL.: +424'-6 1/2"
37TH FLOOR	EL.: +415'-4"
36TH FLOOR	EL.: +406'-1 1/2"
35TH FLOOR	EL.: +396'-11"
34TH FLOOR	EL.: +387'-8 1/2"
33RD FLOOR	EL.: +378'-6"
32ND FLOOR	EL.: +369'-3 1/2"
31ST FLOOR	EL.: +360'-1"
30TH FLOOR	EL.: +350'-10 1/2"
29TH FLOOR	EL.: +341'-8"
28TH FLOOR	EL.: +332'-5 1/2"
27TH FLOOR	EL.: +323'-3"
26TH FLOOR	EL.: +314'-0 1/2"
25TH FLOOR	EL.: +304'-10"



1 PARTIAL PLAN, APTS. B & C
SCALE: 1/4" = 1'-0" FLR.: 25, 26, 27 & 28

COMBINED SMOKE & CARBON [illegible] OXIDE DETECTOR

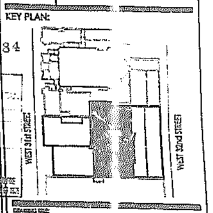
HARDWIRED CARBON MONOXIDE D[illegible] TORS CONFORMING WITH RS17-13 AND INSTALLED IN ACC[illegible] DANCE WITH RS 17-14 SHALL BE PROVIDED IN EVERY [illegible] LLING UNIT WITHIN 15 FEET OF THE PRIMARY ENTRANCE [illegible] ACH BEDROOM

07.25.05 BUILDING DEPT.
12.22.04 [illegible] DRAWINGS
12.11.04
11.05.04 PROGRESS PRINT
10.13.04
10.05.04
9.13.04 BUILDING DEPT.
8.24.04 PROGRESS PRINT
6.30.04
6.14.04
6.04.04
5.24.04
5.17.04
4.23.04
4.19.04
3.22.04 PROGRESS SET
3.10.04 BUILDING DEPT.
3.03.04
2.24.04
2.17.04 PROGRESS SET

No. Date Revisions

NORTH ARROW
Scale: 1/4" = 1'-0"

KEY PLAN:

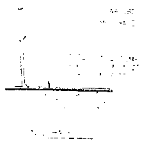


109883884

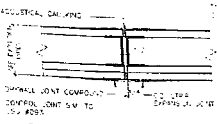
EXAMINER

26TH-47TH FL OR PLAN

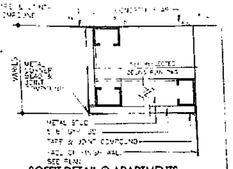
A-112



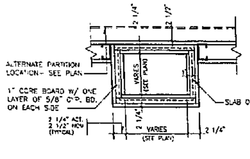
BASE DETAILS



CONTROL JOINT DETAIL

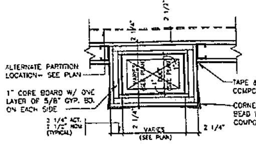


SOFFIT DETAIL @ APARTMENTS AND CORRIDORS



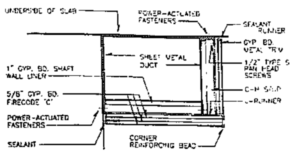
PLAN OF SHAFT WALL- NO LINER

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


2 1/2"
2 1/4"
ALTERNATE PARTITION LOCATION- SEE PLAN
1" CORE BOARD W/ ONE LAYER OF 5/8" GYP. BD. ON EACH SIDE
TAPE & JOINT COMPOUND
CORNER METAL BEAD W/ JOINT COMPOUND
2 1/4" ACT.
2 1/2" NOM (TYPICAL)
VARIES (SEE PLAN)
2 1/4"

SHAFT WALL- METAL LINER

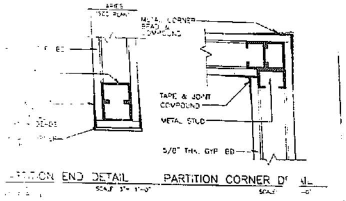
SCALE: 1 1/2"= 1'-0"



SECTION AT HORIZONTAL DUCT FIRE PROTECTION

2 HR. FIRE RATING
BSA CAL. #277-83-SM

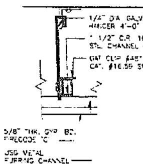
SCALE: 1 1/2"= 1'-0"



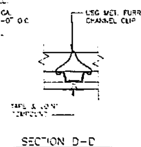
PARTITION END DETAIL

PARTITION CORNER DETAIL

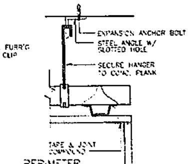
CORNER REINFORCING


1/4" DIA. GALV. STL. HANGER 4'-0" O.C.
1 1/2" C.R. 16 GA. STL. CHANNEL 4'-0" O.C.
5/8" THK. GYP. BD. FIRECODE "C"
USG METAL FURRING CHANNEL

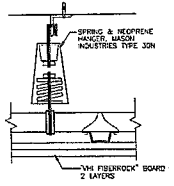
SECTION C-C



SECTION D-D

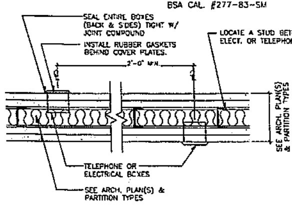


PERIMETER CONDITION

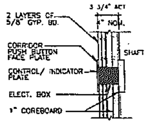

SPRING & NEOPRENE HANGER, MASON INDUSTRIES TYPE 30N
"VHI FIBERROCK" BOARD 2 LAYERS

@ BASKETBALL COURT

SCALE: 3"=1'-0"

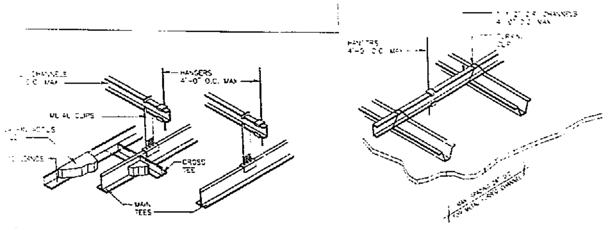

SEAL ENTIRE BOXES (BACK & SIDES) TIGHT W/ JOINT COMPOUND
INSTALL RUBBER GASKETS BEHIND COVER PLATES.
LOCATE A STUD BETWEEN ALL ELECT. OR TELEPHONE BOXES
2'-0" MIN.
SEE ARCH. PLAN(S) & PARTITION TYPES
TELEPHONE OR ELECTRICAL BOXES
SEE ARCH. PLAN(S) & PARTITION TYPES

PLAN DETAIL OF ADJACENT ELECTRICAL BOXES



TYP. ELEVATOR CONTROL/ INDICATOR BOX DETAIL

SCALE 1 1/2" = 1'



TYP. LAY-IN ACOUSTICAL TILE CLG. DET.

SEE FINISH SCHEDULE

GYPSUM WALLBOARD HUNG CLG.DETAILS

NTS

HUNG CEILING DETAIL

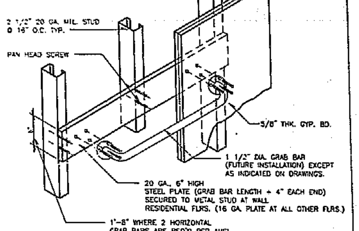
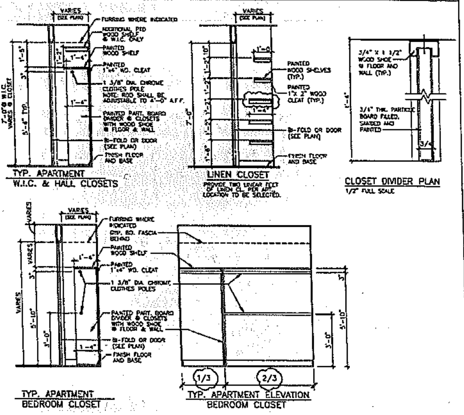

2 1/2" 20 GA. MTL. STUD @ 16" O.C. TYP.
PAN HEAD SCREW
5/8" THK. GYP. BD.
1 1/2" DIA. GRAB BAR (FUTURE INSTALLATION) EXCEPT AS INDICATED ON DRAWINGS.
20 GA., 6" HIGH STEEL PLATE (GRAB BAR LENGTH + 4" EACH END) SECURED TO METAL STUD AT WALL RESIDENTIAL FLRS. (16 GA. PLATE AT ALL OTHER FLRS.)
1'-8" WHERE 2 HORIZONTAL GRAB BARS ARE REQ'D PER ANSI

PLATE DETAIL FOR FUTURE & ACTUAL GRAB BAR INSTALLATION AT METAL STUD WALL

SEE BATHROOM ELEV. FOR LOCATION

N.T.S.


VARIES (SEE PLAN)
FURRING WHERE INDICATED
ADDITIONAL PTD WOOD SHELF @ W.I.C. ONLY
PAINTED WOOD SHELF
PAINTED 1"x4" WD. CLEAT
1 3/8" DIA. CHROME CLOTHES POLE NOTE: ROD SHALL BE ADJUSTABLE TO 4'-0" A.F.F.
PAINTED PART. BOARD DIVIDER @ CLOSETS WITH WOOD SHOE @ FLOOR & WALL
BI-FOLD OR DOOR (SEE PLAN)
FINISH FLOOR AND BASE
7'-0" @ W.I.C. VARIES @ CLOSET
5'-6" TYP.
1'-4"
PAINTED WOOD SHELVES (TYP.)
PAINTED 1"x 2" WOOD CLEAT (TYP.)
BI-FOLD OR DOOR (SEE PLAN)
FINISH FLOOR AND BASE
3/4" x 1 1/2" WOOD SHOE @ FLOOR AND WALL (TYP.)
3/4" THK. PARTICLE BOARD FILLED, SANDED AND PAINTED
GYP. BD. FASCIA BEHIND
1 3/8" DIA. CHROME CLOTHES POLES
5'-10"
3'-0"
1/3
2/3

TYP. APARTMENT W.I.C. & HALL CLOSETS

LINEN CLOSET

PROVIDE TWO LINEAR FEET OF LINEN CL. PER APT. LOCATION TO BE SELECTED.

CLOSET DIVIDER PLAN

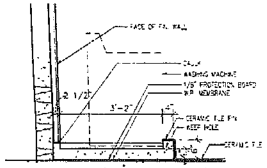
1/2" FULL SCALE

TYP. APARTMENT BEDROOM CLOSET

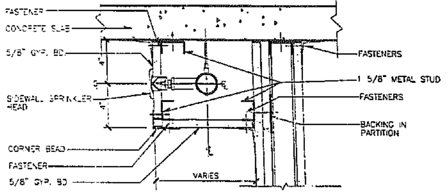
TYP. APARTMENT ELEVATION BEDROOM CLOSET

CLOSET DETAILS W/WOOD SHELVING

PROVIDE 20 GA. STEEL PLATES FOR ALL FASTENING AREAS



① SECTION-WASHERS CONC. BASE



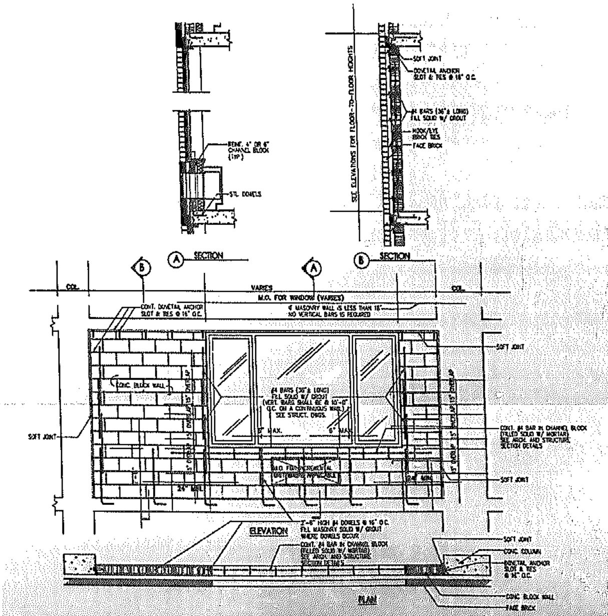
② SOFFIT DETAIL W/ SIDEWALL SPRINKLER HEAD

TABLE 3-4 CONSTRUCTION CLASSIFICATION REQUIREMENTS

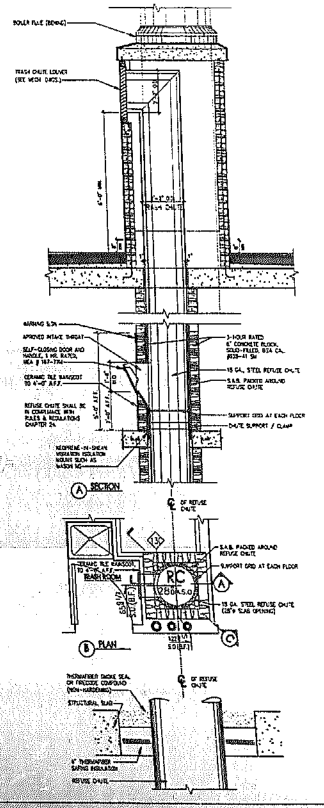
PROPOSED-FULLY SPRINKLERED BUILDING

CONSTRUCTION ELEMENTS			CLASS I-C RATING IN HOURS	CLASS I-C EXTERIOR OPENING	CLASS I-C	CLASS I-C RATING
EXTERIOR WALLS WITH AN EXTERIOR SEPARATION OF	3'-0" OR LESS	BEARING	2	NOT PERMITTED	1'-0" TH. CONCRETE	
		NON-BEARING	2		8" BLOCK	2
	MORE THAN 3'-0" BUT LESS THAN 15'-0"	BEARING	2	3 1/3 % PROTECTED	1'-0" TH. CONCRETE	
		NON-BEARING	2		4" BRICK 8" BLOCK	2
	15'-0" OR MORE BUT LESS THAN 30'-0"	BEARING	2	3 1/3 %	N.A.	
		NON-BEARING	1		4" BRICK 8" BLOCK	2
	30'-0" OR MORE	BEARING	2	N.L.	N.A.	
		NON-BEARING	0		4" BRICK 6" BLOCK	2
INTERIOR BEARING WALLS AND PARTITIONS			2		N.A.	
ENCLOSURE OF VERTICAL EXITS, EXIT PASSAGEWAYS, HOISTWAYS AND SHAFTS.			2		6", 8" & 10" BLOCK PARTITIONS GYP. BD. PARTITIONS/ 2 LAYERS EA. SIDE	2
COLUMNS, GIRDERS, TRUSSES (OTHER THAN ROOF TRUSSES) AND FRAMING	SUPPORTING ONE FLOOR		1 1/2		CONCRETE	2
	SUPPORTING MORE THAN ONE FLOOR		2		N.A.	
STRUCTURAL MEMBERS SUPPORTING A WALL			SAME AS REQUIRED FIRE RESISTANCE OF WALL SUPPORTED, BUT NOT LESS THAN REQUIRED FOR THE MEMBER BY THE CLASS OF CONSTRUCTION		N.A.	
FLOOR CONSTRUCTION INCLUDING BEAM			1 1/2		10", 10 1/2", & 12" CONCRETE SLABS	2 HR
ROOF CONSTRUCTION INCLUDING BEAMS, TRUSSES AND FRAMING, INCLUDING ARCHES, DOMES, SHELLS, CABLE SUPPORTED ROOFS AND ROOF DECKS	15'-0" OR LESS IN HEIGHT ABOVE FLOOR TO LOWEST MEMBER		1		10", 10 1/2", & 12" CONCRETE SLABS	2 HR
	15'-0" TO 20'-0" IN HEIGHT ABOVE FLOOR TO LOWEST MEMBER		1		10", 10 1/2", & 12" CONCRETE SLABS	2 HR

CONSTRUCTION CLASSIFICATION


REINF. 4" OR 6" CHANNEL BLOCK (TYP.)
STL. DOWELS
SEE ELEVATIONS FOR FLOOR-TO-FLOOR HEIGHTS
SOFT JOINT
DOVETAIL ANCHOR SLOT & TIES @ 16" O.C.
#4 BARS (36"± LONG) FILL SOLID W/ GROUT
HOOK/EYE BRICK TIES
FACE BRICK
A SECTION
B SECTION
B
A
COL.
VARIES
M.O. FOR WINDOW (VARIES)
COL.
CONT. DOVETAIL ANCHOR SLOT & TIES @ 16" O.C.
IF MASONRY WALL IS LESS THAN 18" NO VERTICAL BARS IS REQUIRED
SOFT JOINT
CONC. BLOCK WALL
#4 BARS (36"± LONG) FILL SOLID W/ GROUT (VERT. BARS SHALL BE @ 10'-0" O.C. ON A CONTINUOUS WALL) SEE STRUCT. DWGS.
6" MAX.
6" MAX.
15" OVERLAP
SOFT JOINT
CONT. #4 BAR IN CHANNEL BLOCK (FILLED SOLID W/ MORTAR) SEE ARCH. AND STRUCTURE SECTION DETAILS
SOFT JOINT
24" MIN.
24" MIN.
2'-6" HIGH #4 DOWELS @ 16" O.C. FILL MASONRY SOLID W/ GROUT WHERE DOWELS OCCUR
ELEVATION
CONT. #4 BAR IN CHANNEL BLOCK (FILLED SOLID W/ MORTAR) SEE ARCH. AND STRUCTURE SECTION DETAILS
SOFT JOINT
CONC. COLUMN
DOVETAIL ANCHOR SLOT & TIES @ 16" O.C.
CONC. BLOCK WALL
FACE BRICK
PLAN

MASONRY REINFORCEMENT


BOILER FLUE (BEYOND)
TRASH CHUTE LOUVER (SEE MECH. DWGS.)
6'-0" MIN.
TRASH CHUTE
WARNING SIGN
APPROVED INTAKE THROAT
SELF-CLOSING DOOR AND HANDLE, 1 HR. RATED, MEA # 167-77-M
CERAMIC TILE WAINSCOT TO 4'-0" A.F.F.
REFUSE CHUTE SHALL BE IN COMPLIANCE WITH RULES & REGULATIONS CHAPTER 24
NEOPRENE-IN-SHEAR VIBRATION ISOLATION MOUNT SUCH AS MASON ND
3-HOUR RATED 6" CONCRETE BLOCK, SOLID-FILLED, BSA CAL. #833-41 SM
18 GA. STEEL REFUSE CHUTE
S.A.B. PACKED AROUND REFUSE CHUTE
SUPPORT GRID AT EACH FLOOR
CHUTE SUPPORT / CLAMP
A SECTION
℄ OF REFUSE CHUTE
130
CERAMIC TILE WAINSCOT TO 4'-0" A.F.F.
TRASH ROOM
RC
28" A.S.O.
S.A.B. PACKED AROUND REFUSE CHUTE
SUPPORT GRID AT EACH FLOOR
18 GA. STEEL REFUSE CHUTE (28"Ø SLAB OPENING)
A
C
B PLAN
℄ OF REFUSE CHUTE
THERMAFIBER SMOKE SEAL OR FIRECODE COMPOUND (NON-HARDENING)
STRUCTURAL SLAB
4" THERMAFIBER SAFING INSULATION
REFUSE CHUTE

TRASH CHUTE

SLCE Architects

CONSULTING ARCHITECT
FOX & FOWLE ARCHITECTS
22 West 19 Street
NEW YORK, N.Y.

STRUCTURAL ENGINEERS
ROSENWASSER/GROSSMAN
NEW YORK, N.Y. 10018

MECHANICAL ENGINEERS
I.M. ROBBINS
15 WEST 44TH STREET
N.Y. N.Y. 10036
TEL. (212) 944-5
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01.25.05 BUILDING DEPT.
12.30.04 PRICING DRAWINGS
11.05.04 PROGRESS PRINT
9.15.04 BUILDING DEPT.
8.24.04 PROGRESS PRINT
3.18.04 BUILDING DEPT.
2.26.04

No:	Date:	Revisions:

N

GRAPHICAL SCALE
0' 1' 5' 10'

KEY PLAN:

NO.
APPROVED
EXAMINER

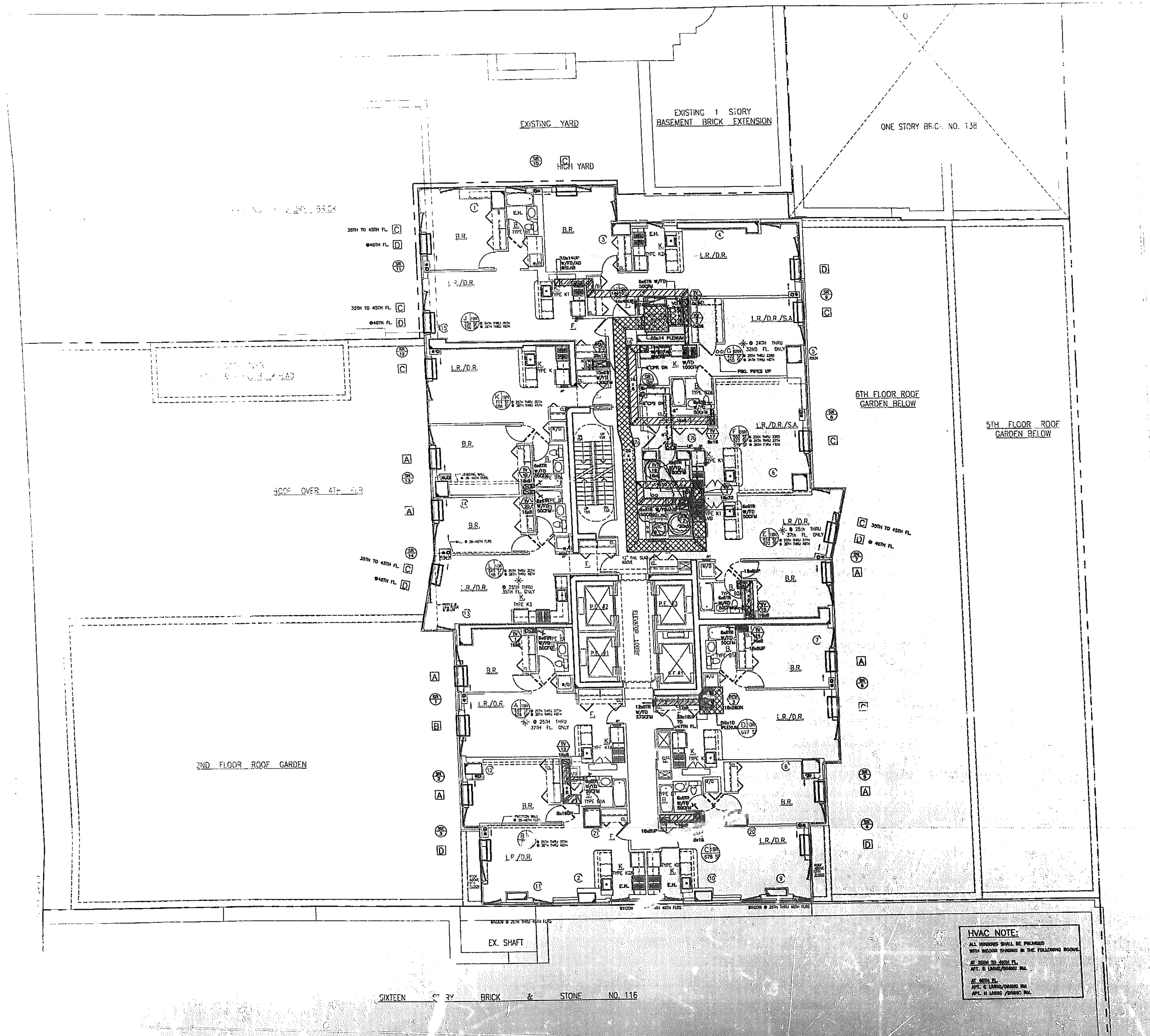
DRAWING TITLE:

PARTITION TYPES
& MISC. DETAILS II

SEAL

REGISTERED ARCHITECT
STATE OF NEW YORK

DATE: 09-22-03
PROJECT No: 2003-04
DRAWN BY: TC
CHECKED BY: HD
DWG. No: A-400.2



HVAC NOTE:

ALL WINDOWS SHALL BE PROVIDED WITH INDOOR SHADES IN THE FOLLOWING ROOMS.

AT 35TH TO 45TH FL.
APT. B LIVING/DINING RM.

AT 46TH FL.
APT. C LIVING/DINING RM.
APT. H LIVING /DINING RM.

ARCHITECT
SLCE Arch

CONSULTANT ARCHITECT
FOX & FOWLE AR

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103933584

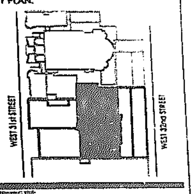
DEPARTMENT OF BUILDINGS
BOROUGH MANHATTAN
APPLICATION NO. ____
NO. ____
ORIGINAL
APPROVED
EXAMINER ____
APR 2 2005

No.	Date	Revision
9	02.22.05	GENERAL REVISION PER ARCH. COMMENTS REC. 02-17-05
[illegible]	[illegible]	ISSUE FOR ESTIMATING
7	11.05.04	PROGRESS ISSUE
6	09.28.04	PROGRESS ISSUE
5	09.02.04	PROGRESS ISSUE
4	05.11.04	PROGRESS ISSUE
3	03.29.04	PROGRESS ISSUE
2	02.17.04	PROGRESS ISSUE
1	02.12.04	PROGRESS ISSUE
0	01.15.04	PROGRESS ISSUE

NORTH ARROW

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

KEY PLAN:



DRAWING TITLE:

35TH THRU 46TH FL. PLAN
HVAC

SEAL & SIGNATURE

DATE:
PROJECT No:
DRAWN BY:
CHECKED BY:
DWG No.

M-14

CADD FILE:

FAN SCHEDULE

SYMBOL	SERVICE	LOCATION	TYPE	CFM	STATIC PRESSURE IN. WATER	OUTLET VELOCITY FPM	TIP SPEED FPM	RPM	MOTOR H.P.	MOTOR VOLTS	MOTOR PHASE	MOTOR HZ	DRIVE	MANUFACTURER AND MODEL No
[illegible]-1A	MER. BULKHEAD #1 (RES.)	ROOF OVER BULKHEAD #2	CENTRIFUGAL ROOF EXHAUSTER	2,400	1/2	–	4,548	1,053	1/2	460	3	60	BELT	COOK 165ACE-B
[illegible]	MER. BULKHEAD #2 (RES.)	ROOF OVER BULKHEAD #2	CENTRIFUGAL ROOF EXHAUSTER	1,500	3/8	–	3,817	1,040	1/4	115	1	60	BELT	COOK 150ACE-B
[illegible]-2	TRV-2 (RES)	MAIN ROOF	UTILITY FAN	1,200	1 1/4	1,445	6,285	1,958	3/4	460	3	60	BELT	COOK 120 CPS
[illegible]-3	TV-[illegible],12,13 (RES)	MER – MAIN ROOF	UTILITY FAN	3,600	1 1/2	1,363	5,522	1,004	1 1/2	460	3	60	BELT	COOK 210 CPS
EXH-4	TV-17,18,19,20 (RES)	MAIN ROOF	UTILITY FAN	4,800	1 1/2	780	6,273	1,065	3	460	3	60	BELT	COOK 225 CPS
EXH-5	KITCHEN EXH (COMMON)	MER SOUTH – 5TH FL.	CENTRIFUGAL INLINE FAN	540	[illegible]/8	540	4,735	1,830	1/4	115	1	60	BELT	COOK 80 SQN-B
EXH-6	TV-14,15,16 (RES)	MER BULKHEAD #1	UTILITY FAN	3,600	1 1/2	1,363	5,522	1,004	1 1/2	460	3	60	BELT	COOK 210 CPS
EXH-7	KV-[illegible] (RES)	MAIN ROOF	UTILITY FAN	4,400	1 1/2	1,391	5,564	868	2	460	3	60	BELT	COOK 245 CPS
EXH-8	SPARE No													
EXH-9	TV-[illegible]4,9,10 (RES)	M.E.R. – 12TH FL.	CENTRIFUGAL INLINE FAN	6,600	1 1/2	751	6,420	908	5	208	3	60	BELT	COOK 270-SQN-B
EXH-10	TV-5,6,[illegible],8 (RES)			4,400	1 1/2	735	6,185	1,056	3	208	3	60	BELT	COOK 225-SQN-B
EXH-11	ELECTRICAL RM (RES)			300	1/2	300	5,590	2,137	1/4	115	1	60	BELT	COOK 70 SQN-B
EXH-12	(SPARE)													
EXH-13	TRV 1 (RES)			1,100	1 1/4	647	5,690	1,812	3/4	208	3	60	BELT	COOK SQNB 120
EXH-14	M.E.R., (COMMON) 12TH FL.	↓	↓	4,000	5/8	640	4,335	739	1	208	3	60	BELT	COOK 225 SQN-B
EXH-15	(SPARE)													
EXH-16	(SPARE)													
EXH-17	TV-22,23,24,25,26,27 (ACS)	M.E.R. – 12TH FL.	CENTRIFUGAL INLINE FAN	1,500	1	667	5,471	1,550	3/4	208	3	60	BELT	COOK 135 SQN-B
EXH-18	TV-28,29,30,31,32, JC-1 (ACS)			1,500	1	667	5,471	1,550	3/4	208	3	60	BELT	COOK 135 SQN-B
EXH-19	TRV-3 (ACS)			350	3/4	350	6,540	2,496	1/4	115	1	60	BELT	COOK 70 SQN-B
EXH-20	DV-L (ACS)	↓	↓	3,500	1	560	5,012	851	1 1/2	208	3	60	BELT	COOK 225-SQN-B
EXH-21	KITCHEN, 6TH FL (RES)	KITCHEN, 6TH FL	CABINET CEILING EXHAUSTER	200	3/4	–	–	1,500	192 WATTS	115	1	60	DIRECT	COOK GC-180
EXH-22	ACS DIRECTOR, 6TH FL	ACS DIRECTOR (6TH FL.)	CABINET CEILING EXHAUSTER	140	3/4	–	–	1,500	113 WATTS	115	1	60	DIRECT	COOK GC-160
EXH-23	BATH RMS, (RES) 6TH FL	MER SOUTH – 5TH FL.	CENRIFUGAL INLINE FAN	100	3/4	100	5,166	1,972	1/4	115	1	60	BELT	COOK 60 SQN-B
EXH-24	LAUNDRY RM, (6TH FL.) (RES.)	MER SOUTH – 5TH FL.	CENRIFUGAL INLINE FAN	1,700	3/4	667	5,219	1,453	1/2	208	3	60	BELT	COOK 135 SQN-B
EXH-25	PANTRY, 5TH FL (ACS)	PANTRY, 5TH FL.	CABINET CEILING EXHAUSTER	200	3/4	–	–	1,500	192 WATTS	115	1	60	DIRECT	COOK GC-180
EXH-26	TOILETS, (ACS) 2ND TO 5TH FL.	MER SOUTH – 5TH FL.	CENRIFUGAL INLINE FAN	2,800	1	700	5,360	1,138	1	208	3	60	BELT	COOK 180 SQN-B
EXH-27	TOILETS, (FRIARY) 4TH & 4TH FL. MEZZ.	MER SOUTH – 5TH FL.	CENRIFUGAL INLINE FAN	1,600	1	711	5,669	1,606	3/4	208	3	60	BELT	COOK 135 SQN-B
EXH-28	TOILETS, (FRIARY) 1ST TO 3RD FL.	MER SOUTH – 2ND FL.	CENRIFUGAL INLINE FAN	1,300	1	578	4,737	1,342	1/2	208	3	60	BELT	COOK 130 SQN-B
EXH-29	KITCHEN, (FRAIRY) 4TH & 4TH FL MEZZ	MER SOUTH – 5TH FL.	CENRIFUGAL INLINE FAN	200	3/4	200	5,368	2,049	1/4	115	1	60	BELT	COOK 70 SQN-B
EXH-30	DRYER EXH (FRAIRY) 4TH & 4TH FL MEZZ	ROOF OVER STAIR E/ELEV BULKHEAD	CENRIFUGAL ROOF EXHAUSTER	1400	7/8	–	4,849	1,235	1/2	208	1	60	BELT	COOK 150 ACE-B
EXH-31	SPARE NO.	–	–	–	–	–	–	–	–	–	–	–	–	–
EXH-32	GARAGE (SUB-CELLAR & CELLAR)	GARAGE, CELLAR	UTILITY FAN	24,300	1 1/4	1,760	5,709	445	10	208	3	60	BELT	COOK 490 CPS
EXH-33	COMPACTOR RM (RES)	COMPACTOR RM, CELLAR	CENRIFUGAL INLINE FAN	1,200	1	675	5,400	1,700	1/2	208	3	60	BELT	COOK 120 SQN-B
EXH-34	TOILET EXHAUST (CELLAR)	TOILET (CELLAR)		400	5/8	400	4,182	1,596	1/4	115	1	60	BELT	COOK 80 SQN-B
EXH-35	ELECTRICAL RM, (RES) CELLAR	MER – 1ST FL.		5,000	3/4	1100	–	1,455	3	208	3	60	BELT	COOK 180 SQN-B
EXH-36	5TH FL. SMOKE PURGE (ACS)	MER NORTH – 5TH FL.		8,500	1	632	5,165	598	5	208	3	60	BELT	COOK 330 ACE-B
EXH-37	4TH FL. SMOKE PURGE (ACS)	MER – 4TH FL.		8,500	1	632	5,166	598	5	208	3	60	BELT	COOK 330 ACE-B
EXH-38	3RD FL. SMOKE PURGE (ACS)	MER – 3RD FL.		8,500	1	632	5,166	598	5	208	3	60	BELT	COOK 330 ACE-B
EXH-39	2ND FL. SMOKE PURGE (ACS)	MER – 2ND FL.		8,500	1	632	5,166	598	5	208	3	60	BELT	COOK 330 ACE-B
EXH-40	2ND FL. SMOKE PURGE (FRIARY)	MER SOUTH – 2ND FL.		3,000	1	551	5,005	910	1.5	208	3	60	BELT	COOK 210 SQN-B
EXH-41	1ST FL. SMOKE PURGE (FRIARY)	MER – 1ST FL.	↓	6,000	1	653	5,232	740	2.0	208	3	60	BELT	COOK 270 SQN-B
EXH-42	TOILETS (FRIARY) 6TH FL.	TOILET, 6TH FL	CEILING EXHAUSTER	50	1/4	–	–	1,500	1/4	115	1	60	DIRECT	COOK GC-140
EXH-43	TOILETS (RES) 6TH FL.	TOILET, 6TH FL		50	1/4	–	–							
EXH-44	TOILETS (RES) 6TH FL.	TOILET, 6TH FL	↓	50	1/4	–	–	↓	↓	↓	↓	↓	↓	↓
EXH-45	BOILERS COMBUSTION AIR	BOILERS COMBUSTION AIR	CENRIFUGAL INLINE FAN	6,000	3/4	653	4,503	673	2	208	3	60	BELT	COOK 270 SQN-B
EXH-46	BOILERS COMBUSTION AIR	BOILERS COMBUSTION AIR	CENRIFUGAL INLINE FAN	6,000	3/4	653	4,503	673	2	208	3	60	BELT	COOK 270 SQN-B
EXH-47	1ST FL. WARMING PANTRY (FRIARY)	1ST FL. WARMING PANTRY	CENTRIFUGAL EXHAUSTER	250	1/4	–	–	1,145	170 Watts	115	1	60	DIRECT	COOK GC-420
EXH-48	2ND FL. LAUNDRY RM. (ACS)	2ND FL. LAUNDRY RM.	CENRIFUGAL INLINE FAN	350	1/4	350	3,115	1,189	1/4	208	1	60	BELT	COOK 80 SQN-B
EXH-49	3RD FL. KITCHEN (FRIARY)	3RD FL. KITCHEN (FRIARY)	CENRIFUGAL INLINE FAN	2,600	2.4	*	*	*	*	208	3	60	BELT	* BY KITCHEN EQUIP. SUPPLIER (SEE NOTE #2 ON DWG. M-22)
SF-1	ELECTRICAL RM. (RES) CELLAR	CORRIDOR, CELLAR	CENRIFUGAL INLINE FAN	5,000	1/4	1100	–	1,345	1 1/2	208	3	60	BELT	COOK 180 SQI-B

ALL EXHAUST FANS SHALL BE FURNISHED WITH AUTOMATIC BACKDRAFT DAMPERS.
FLOOR MOUNTED FANS SHALL HAVE 2" MIN. DEFLECTION SIMILAR TO MASON INDUSTRIES TYPE SLF.
CEILING SUSPENDED FANS SHALL HAVE 1 1/2" MIN. DEFLECTION SPRING ISOLATORS SIMILAR TO MASON INDUSTRIES TYPE 30N.
ALL EXHAUST FAN MOTORS SHALL BE HIGH EFFICIENCY.

PERIPHERAL A.C. UNIT SCHEDULE

TAG NO.	CFM	COOLING CAPACITY BTU/HR	HEATING CAPACITY BTU/HR	ELECTRICAL CHARACTERISTICS VOLTS	PH	HZ	AMP	WATTS	MANUFACTURER AND MODEL NO.	MIN. EER	REMARKS
A	205	9,700	20,100	208	1	60	5.8	930	McQUAY PDNS 009C7	10.8	
B	300	12,100	20,100	208	1	60	6.4	1,170	McQUAY PDNS 012C7	10.4	[illegible]
C	340	15,000	22,400	208	1	60	7.4	1,521	McQUAY PDNS 015C7	10.0	
D	340	16,000	22,400	208	1	60	9.7	1,810	McQUAY PDNS 016C7	9.3	
E	205	9,700	16,300	208	1	60	5.8	930	McQUAY PDNS 009C7	10.8	
F	300	12,100	18,400	208	1	60	6.4	1,170	McQUAY PDNS 012C7	10.4	6TH FL (RES)
G	340	15,000	18,400	208	1	60	7.4	1,521	McQUAY PDNS 015C7	10.0	4TH FL & 4TH FL MEZZ
H	340	16,000	18,400	208	1	60	9.7	1,810	McQUAY PDNS 016C7	9.3	7TH to 11TH (ACS)

1. COOLING CAPACITIES ARE BASED ON ASHRAE AND ARI TEST CONDITIONS OF 95°F DB / 75°F WB OUTSIDE AIR, AND 80°F DB / 67°F WB INSIDE AIR.
2. HEATING CAPACITIES ARE BASED ON 2 PSIG STEAM AND 70°F ENTERING AIR TEMPERATURE. (TYP. FOR "A" TO "D" UNITS). PROVIDE NORMALLY CLOSED CONTROL VALVE.
3. HEATING CAPACITIES ARE BASED ON 2 GPM @ 190°F ENT. WATER, 20°F ΔT AND 70°F ENT. AIR TEMP. (TYP. FOR "E" TO "H" UNITS). PROVIDE NORMALLY OPEN CONTROL VALVE.
4. THERE SHALL BE A NIGHT SET BACK FEATURE FOR ALL UNITS.
5. INCREMENTAL UNITS SHALL BE PROVIDED WITH MEANS OF DISCONNECT TO COMPLY WITH NYC ADVISORY BOARD REQUIREMENTS.
6. MEA NUMBER FOR ALL UNITS #255-99-E.
7. ALL UNITS SHIPPING WEIGHT 200 LBS. (EACH)
8. ALL UNITS SHALL COMPLY WITH NEW YORK STATE ENERGY CODE LATEST EDITION.
9. ALL UNITS MUST BE ARI CERTIFIED AND MEET ASHARE 90.1 STANDARRDS.
10. ALTERNATE-PROVIDE REMOTE PROGRAMMABLE THERMOSTAT FOR EACH UNIT.
11. APPROVED EQUAL MANUFACTURER : TRANE

HEAT EXCHANGER SCHEDULE

SYMBOL	LOCATION	STEAM TO WATER CONVERTOR GPM	EWT (°F)	LWT (°F)	HEATING LOAD BTU/HR	STEAM LBS/HR	SYSTEM WORKING PRESSURE PSIG	REMARKS
C-1	M.E.R., 12TH FL (ACS)	220	180	200	2,200,000	2,268	150	
C-2	M.E.R., 5TH FL (ACS)	42			420,000	433		
C-3	M.E.R., 5TH FL (RES)	60			600,000	619		
C-4	M.E.R., 5TH FL (FRIARY)	85	↓	↓	850,000	876	↓	

CONDENSATE RETURN UNITS

SYMBOL	LOCATION	SQ FT EDR	GPM	DISCH PRESSURE PSI	TANK CAPACITY GAL	MOTOR HP	RPM	VOLTAGE	MANUFACTURER AND MODEL NO.	REMARKS
CP-1	SUB-CELLAR	5,974	9	20	14	1/2 (EA)	3,500	208/3/60	WEINMAN D-14C4ACV	PARKING
CP-2	CELLAR	13,418	22.5	20	14	1/3 (EA)	3,500	208/3/60	WEINMAN D-14C4ACV	FRIARY

HEATING AND VENTILATING UNIT SCHEDULE

UNIT TAG	LOCATION	SERVICE	CFM	S.P. IN WATER	MOTOR HP	VOLT	PH/HZ	HEATING CAP. BTU/HR	COND. LBS/HR	UNIT WT. LBS	UNIT TYPE	MANUFACTURER AND MODEL No
HV-1	MER, 12TH FL.	FA-1 (ACS)	2,500	2 1/2	2	208	3/60	159,300	164	1,000	HORIZONTAL	TRANE LPCAA06

COOLING TOWER SCHEDULE

SYMBOL	GPM	EWT (°F)	LWT (°F)	ENT AIR (W.B.)	OPER. WT. LBS	EXT. S.P.IN. IN WATER	MOTOR NO	MOTOR HP	MOTOR VOLTS	MOTOR PH	MANUFACTURER & MODEL
CT-1 (COMMON)	1,200	100	88	78	75,000	–	(2) (1)	50 5	208	3	EVAPCO LSWA-232D
						--					

CLOSED CIRCUIT COOLER WITH 40% PROPYLENE GLYCOL, INTAKE & DISCHARGE SOUND ATTENUATION, LADDER, STAINLESS STEEL BASIN, AUTOMATIC WATER MAKE-UP VALVE AND (2) 7 KW ELECTRIC IMMERSION HEATERS IN BASIN OF TOWER.
MOUNT COOLING TOWER ON 4'-0" HIGH (MIN.) DUNNAGE WITH SPRING VIBRATION ISOLATORS.

UNIT AND CABINET HEATERS SCHEDULE

SYMBOL	TYPE	LOCATION	SERVING	CAPACITY BTU/HR	LBS/HR STEAM	CFM	RPM	MOTOR HP	MANUFACTURER AND MODEL NO
UH-1	HORIZONTAL	PARKING GARAGE (SUB-CELLAR)	PARKING GARAGE	324,000	335	4,480	1,100	1/2	TRANE UHSA 320-S
-2				256,000	265	4,100	1,100	1/2	TRANE UHSA 260-S
-3		↓		256,000	265	4,100	1,100	1/2	TRANE UHSA 260-S
-4		PARKING GARAGE (CELLAR)		256,000	265	4,100	1,100	1/2	TRANE UHSA 260-S
-5				256,000	265	4,100	1,100	1/2	TRANE UHSA 260-S
-6	↓	↓	↓	404,073	418	6,017	1,145	3/4	TRANE UHSA 400-S
-7	HORIZONTAL	PARKING RAMP (1ST FL.)	PARKING GARAGE ENTRANCE	404,073	418	6,017	1,145	3/4	TRANE UHSA 400-S
-8	HORIZONTAL	59TH FL. M.E.R.	M.E.R.	56,000	58	706	1,300	1/20	TRANE UHSA 60-S
-9	HORIZONTAL	59TH FL. M.E.R.	M.E.R.	56,000	58	706	1,300	1/20	TRANE UHSA 60-S
-10	HORIZONTAL	BULKHEAD #2, ME.R.	BULKHEAD #2, ME.R. SOUTH	81,200	84	1,200	1,300	1/8	TRANE UHSA 90-S
-11	HORIZONTAL	BULKHEAD #2, ME.R.	BULKHEAD #2, ME.R. NORTH	17,400	18	280	1,050	1/25	TRANE UHSA 18-S
CH-1	VERTICAL	VESTIBULE, FIRST FL SOUTH	VESTIBULE (FRIARY)	18,300	19	390	1,050	95W / 115V	TRANE FF-H-040
-2		LOBBY, FIRST FL SOUTH	BREAKOUT RM (FRIARY)	18,300	19	390	1,050	95W / 115V	TRANE FF-J-040
-3	↓	LOBBY, FIRST FL SOUTH	BREAKOUT RM (FRIARY)	18,300	19	390	1,050	95W / 115V	TRANE FF-J-040
-4	CEILING	VESTIBULE, FIRST FL WEST	VESTIBULE (ACS)	26,600	28	610	1,030	110W / 115V	TRANE FF-C-060
-5	VERTICAL	SERVICE HALL, FIRST FL WEST	SERVICE HALL (ACS)	18,600	19	390	1,050	95W / 115V	TRANE FF-J-040
-6	VERTICAL	SERVICE HALL, FIRST FL EAST	SERVICE HALL (RES)	17,050	–	250	1,550	16.7 AMPS @ 208/3	MARKEL-6333-05

PUMP SCHEDULE

980

SYMBOL	SERVICE	LOCATION	GPM	TOT. HD. FT.	MOTOR HP	MOTOR RPM	MOTOR VOLTS	MOTOR PH	MOTOR HZ	WORK'G PRSS PSI	TYPE	MANUFACTURER AND MODEL No.	REMARKS
P-1	HW HTG 7TH-11TH FL (ACS)	M.E.R., 12TH FL.	220	85	10	1,750	208	3	60	150	END SUCTION	WEINMAN 2.5 KH	
-2	HW HTG 7TH-11TH FL (ACS)	M.E.R., 12TH FL.	220	85	10						END SUCTION	WEINMAN 2.5 KH	STAND-BY
-3	HW HTG 2ND-5TH FL (ACS)	M.E.R SOUTH, 5TH FL.	42	60	3						INLINE UNIPUMP	WEINMAN 2095	
-4	HW HTG 2ND-5TH FL (ACS)	M.E.R SOUTH, 5TH FL.	42	60	3							WEINMAN 2095	STAND-BY
-5	HW HTG 5TH & 6TH FL (RES)	M.E.R EAST, 5TH FL.	60	50	3							WEINMAN 2095	
-6	HW HTG 5TH & 6TH FL (RES)		60	50	3								STAND-BY
-7	HW HTG 1ST-4TH FL (FRIARY)		85	55	3								
-8	HW HTG 1ST-4TH FL (FRIARY)	↓	85	55	3						↓	↓	STAND-BY
-9	CONDENSER WATER (COMMON)	M.E.R SOUTH, 5TH FL.	600	110	25						HORIZ SPLIT	WEINMAN 4L1-184	W/VAR SPEED DRIVE
-10												WEINMAN 4L1-184	STAND-BY
-11	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	WEINMAN 4L1-184	↓

No.	Date	Revision
7	02.22.05	GENERAL REVISION PER ARCH. COMMENTS REC. 02-17-05
6	12.30.04	ISSUED FOR ESTIMATING
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4	09.28.04	PROGRESS ISSUE
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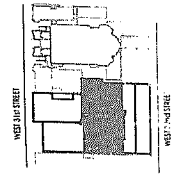
NORTH ARROW

Scale: N.T.S.

KEY PLAN:



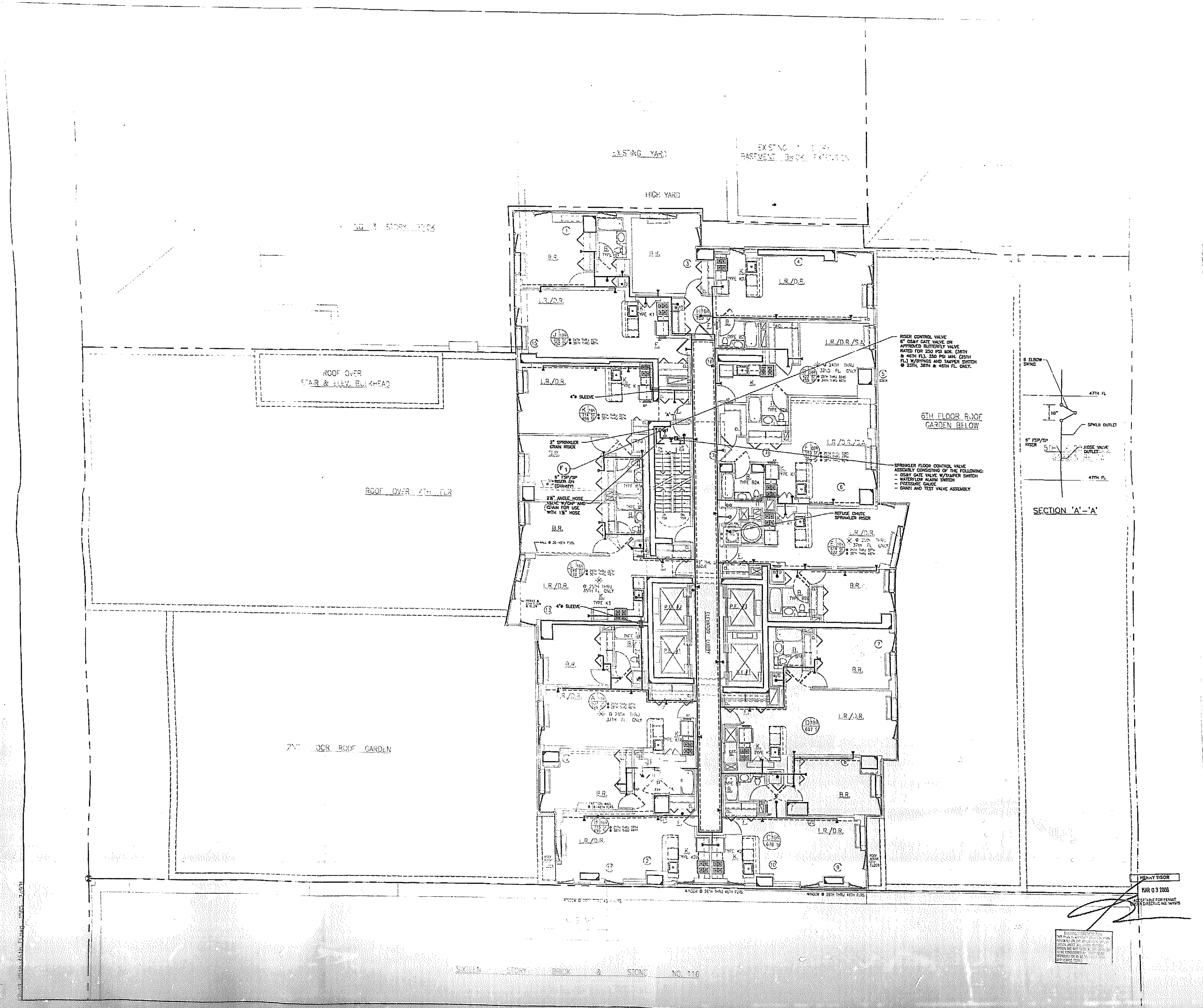
DRAWING FILE:

EQUIPMENT SCHEDULE 1 OF 2
HVAC

SEAL & SIGNATURE:

DATE:
PROJECT No:
DRAWN BY:
CHECKED BY:
DWG. No:
M-21

CADD FILE:


EXISTING YARD
EXISTING BASEMENT BRICK EXTENSION
HIGH YARD
NO. 3 STORY BRICK
ROOF OVER STAIR & ELEV. BULKHEAD
ROOF OVER 4TH FLR
2ND FLOOR ROOF GARDEN
6TH FLOOR ROOF GARDEN BELOW
SIXTEEN STORY BRICK & STONE NO. 116
ELEVATOR LOBBY
L.R./D.R.
B.R.
K.
TYPE K
L.R./D.R./S.A.
4"ø SLEEVE
2" SPRINKLER DRAIN RISER
F1
6" FSP/SP RISER DN (GRAVITY)
2½" ANGLE HOSE VALVE W/CAP AND CHAIN FOR USE WITH 1½" HOSE
WALL @ 36-45TH FLRS.
@ 25TH THRU 35TH FL. ONLY
TYPE K3
@ 25TH THRU 37TH FL. ONLY
RISER CONTROL VALVE 6" OS&Y GATE VALVE OR APPROVED BUTTERFLY VALVE RATED FOR 250 PSI MIN. (36TH & 46TH FL), 350 PSI MIN. (25TH FL.) W/BYPASS AND TAMPER SWITCH @ 25TH, 36TH & 46TH FL. ONLY.
SPRINKLER FLOOR CONTROL VALVE ASSEMBLY CONSISTING OF THE FOLLOWING:
- OS&Y GATE VALVE W/TAMPER SWITCH
- WATERFLOW ALARM SWITCH
- PRESSURE GAUGE
- DRAIN AND TEST VALVE ASSEMBLY
REFUSE CHUTE SPRINKLER RISER
6 ELBOW SWING
47TH FL
10"
SPKLR OUTLET
6" FSP/SP RISER
HOSE VALVE OUTLET
SECTION 'A'-'A'

HENRY TISOR
MAR 0 3 2006
ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/1975

SLCE

FOX & FOWLE ARCHITECTS

ROSENWASSER

I.M. ROBBINS

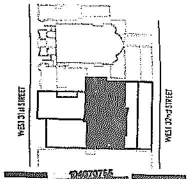
SPRINKLER ONLY

No:	Date:	Revision:
	01-05-05	ISSUED FOR ESTIMATING
	11-05-04	PROGRESS ISSUE
	08-10-04	PROGRESS ISSUE
	05-11-04	PROGRESS ISSUE
	03-29-04	PROGRESS ISSUE
	02-17-04	PROGRESS ISSUE
	01-19-04	PROGRESS ISSUE

NORTH ARROW

Scale: 3/16"=1'-0"

KEY PLAN:



DRAWING TITLE:

104070755
DEPT. OF BLDGS.

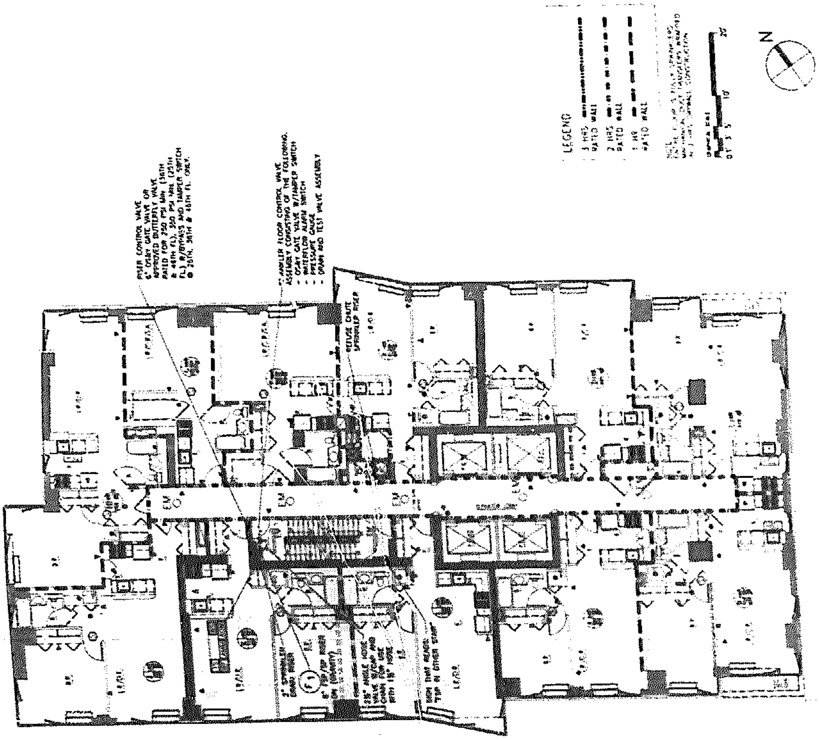
25TH THRU 46TH FLOOR PLAN FIRE PROTECTION

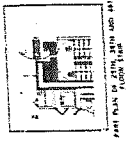
SEAL & SIGNATURE:

DATE:
PROJECT NO:
DRAWN BY:
CHECKED BY:
DWG. NO.

FP-13

CADD FILE:


LEGEND
3 HRS RATED WALL
2 HRS RATED WALL
1 HR RATED WALL
RISER CONTROL VALVE 6" OS&Y GATE VALVE OR APPROVED BUTTERFLY VALVE RATED FOR 250 PSI MIN (36TH & 46TH FL), 350 PSI MIN (25TH FL) W/BYPASS AND TAMPER SWITCH @ 25TH, 36TH & 46TH FL. ONLY.
SPRINKLER FLOOR CONTROL VALVE ASSEMBLY CONSISTING OF THE FOLLOWING:
- OS&Y GATE VALVE W/TAMPER SWITCH
- WATERFLOW ALARM SWITCH
- PRESSURE GAUGE
- DRAIN AND TEST VALVE ASSEMBLY
REFUSE CHUTE SPRINKLER RISER
2" SPRINKLER DRAIN RISER
6" FSP/SP RISER
2½" ANGLE HOSE VALVE W/CAP AND CHAIN FOR USE WITH 1½" HOSE
SIGN THAT READS: "FSP IN OTHER STAIR"
N


PART PLAN OF 25TH, 36TH AND 46TH FLOOR STAIR

ALEKSANDR KOVAL

DEC 07 2006

ACCEPTABLE FOR PERMIT
UNDER DIRECTIVE NO 14-1975

No. 006855

10456464

DRAWING TITLE
25TH THRU 46TH FLOOR PLAN

PROJECT NAME:
125 West 31st Street
NEW YORK, NEW YORK

PROJECT NUMBER: 2002-04

CADD FILE NUMBER: T:\WESTOWN\2002-04\FP\W32_25-46 FL.DWG

DATE: 10-16-06

SCALE: 1/16"=1'-0"

DRAWN BY

CHECKED BY

DRAWING NUMBER
FPP-16