BUILDING DEPARTMENT NOTES

ADMINISTRATION

1. "C-26" CODE REFERENCE DESIGNATION HAS BEEN OMITTED FROM ALL SECTION NUMBERS LISTED IN THESE BUILDING DEPARTMENT NOTES.
2. THE OWNER SHALL BE RESPONSIBLE FOR THE SAFE MAINTENANCE OF THE BUILDINGS AND ITS FACILITIES.
3. ALL MATERIALS, ASSEMBLIES, FORMS AND METHODS OF CONSTRUCTION AND SERVICE EQUIPMENT SHALL MEET ONE OF THE FOLLOWING REQUIREMENTS: (A) IT SHALL HAVE BEEN ACCEPTABLE PRIOR TO THE EFFECTIVE DATE OF THE CODE BY THE BSA OR (B) IT SHALL HAVE BEEN ACCEPTED FOR USE UNDER THE PRESCRIBED CODE TEST METHODS BY THE COMMISSIONER OR (C) IT SHALL HAVE BEEN APPROVED BY THE BOARD OF STANDARDS AND APPEALS OF THE CITY OF NEW YORK.
4. ALL ELEVATIONS ARE REFERRED TO U.S. COAST AND GEODETIC SURVEY MEAN SEA LEVEL DATUM OF 1929, AS ADJUSTED TO THE BOROUGH PRESIDENT DATUM.
5. AT LEAST 24 HOUR WRITTEN NOTICE SHALL BE GIVEN TO THE COMMISSIONER BEFORE COMMENCEMENT OF WORK.
6. ADJACENT LOT OWNERS ARE NOT AFFECTED BY EARTHWORK AND FOUNDATION WORK.
7. AN ACCURATE AND COMPLETE LOT SURVEY, MADE BY A LICENSED SURVEYOR, SHALL BE SUBMITTED AFTER COMPLETION OF WORK SHOWING THE LOCATION OF BUILDINGS SITE WORK, ELEVATION OF FIRST FLOOR, FINISHED GRADES OF OPEN SPACES, ESTABLISHED CURB LEVELS, LOCATION OF OTHER STRUCTURES ON LOT, LOCATION AND BOUNDARIES OF LOT.
8. ALL PORTIONS OF BUILDING SHALL BE POSTED BY THE OWNER WITH A SIGN IN A FORM PRESCRIBED BY THE COMMISSIONER, PERMANENTLY AFFIXED IN A CONSPICUOUS LOCATION IN A PUBLIC HALL OR CORRIDOR OF THE BUILDING, STATING THE LIVE LOADS AND OCCUPANT LOADS IN THE BUILDING AND PARTS THEREOF.
9. SEPARATE APPLICATIONS SHALL BE FILED FOR:

   A) SIGN   D) ELEVATORS
   B) PLACES OF ASSEMBLY   E) DUMBWAITERS
   C) SPRINKLERS
10. PERMIT FOR WORK BEYOND THE BUILDING LINE SHALL BE OBTAINED FROM THE DEPARTMENT OF HIGHWAYS.

INSPECTION REQUIREMENTS (CONTROLLED)

1. THE FOLLOWING ITEMS OF WORK SHALL BE SUBJECT TO CONTROLLED INSPECTION, MADE AND WITNESSED BY OR UNDER THE DIRECT SUPERVISION OF AN ARCHITECT OR ENGINEER, RETAINED BY THE OWNER, WHO SHALL BE ACCEPTABLE TO THE ARCHITECT OF RECORD. ACCEPTANCE OF RESPONSIBILITY BY THE INSPECTING ARCHITECT OR ENGINEER SHALL BE FILED PRIOR TO ISSUANCE OF BUILDING PERMIT. TEST REPORTS AND CERTIFICATE OF INSPECTION SHALL BE FILED WITH THE BUILDING DEPARTMENT AFTER COMPLETION OF EACH PHASE OF WORK.

(a)	TEST BORING OPERATIONS	1112.2
(b)	INSPECTION OF SUBGRADE PRIOR TO CONSTRUCTION	1112.5
(c)	FIRESTOPPING OF CONCEALED SPACES	504.7
(d)	CONCRETE PREQUALIFIED MIX DESIGN	1004.3
(e)	BATCH PLANT INSPECTION OF MATERIALS	1004.3
(f)	CONCRETE ON-SITE INSPECTION	1004.5
(g)	CONCRETE CYLINDER TESTS	1004.5
(h)	REQUIRED VENTILATING SYSTEM (NOTE 1)	1301.2 (a)
(i)	REFRIGERATING SYSTEM (NOTE 1)	1301.4 (a)
(j)	WELDING OPERATIONS	TABLE 10-2
(k)	ELEVATORS, ESCALATORS, DUMBWAITERS, ETC.	1802.1
(l)	CHIMNEY SMOKE TEST (NOTE 1)	1501.1 (e)
(m)	STANDPIPE SYSTEM TEST (NOTE 1)	1702.20
(n)	SPRINKLER SYSTEM TEST (NOTE 1)	1703.14
(o)	CRANES, DERRICKS, HOISTS	RS 19-2

(NOTE 1) TESTS AND CERTIFICATIONS SHALL BE PERFORMED BY ENGINEER OR ARCHITECT RETAINED BY THE SUB-CONTRACTOR, APPROVED BY OWNER AND ARCHITECT OF DESIGN.

2. ALL MATERIALS, ASSEMBLIES AND METHODS OF CONSTRUCTION REGULATED BY THE CODE AND NOT LISTED ABOVE SHALL BE SUBJECT TO SEMI-CONTROLLED INSPECTION BY THE PERSON SUPERINTENDING THAT PHASE OF CONSTRUCTION. SIGNED COPIES OF ALL TEST AND INSPECTION REPORTS SHALL BE FILED THROUGH THE ARCHITECT OF RECORD WITH THE BUILDING DEPARTMENT.

OCCUPANCY & CONSTRUCTION CLASSIFICATION

OCCUPANCY GROUP	MERCANTILE C	BUSINESS E	ASSEMBLY F
DESIGNATION	C	E	4
FIRE INDEX	2	2	1
SPRINKLER	YES	YES	YES
MAX. ALLOWABLE FLOOR AREA	N.L.	N.L.	N.L.
CONSTRUCTION CLASS	1D	1D	1B

NOTE: ENTIRE BUILDING SPRINKLERED (MISC. APPL. 231/72) STANDARD APPL. (MISC. APPL. 230/72)

FIRE RESISTANCE RATING OF CONSTRUCTION ELEMENTS IN HOURS

		CLASS 1B
EXTERIOR WALLS WITH AN EXTERIOR SEPARATION OF	30'-0" OR MORE NON-BEARING	0
INTERIOR BEARING WALLS AND PARTITIONS		3
ENCLOSURE OF VERT. EXITS, PASSAGEWAYS, SHAFTS		2
COLUMNS, GIRDERS TRUSSES, ONE FLOOR (TWO FLOORS)		(3)
FLOOR CONSTRUCTION INCLUDING BEAMS		2
ROOF CONSTRUCTION		1½

FIRE RESISTANCE REQUIREMENTS

1. 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.
2. WHERE PIPES, WIRES, CONDUITS, DUCTS, ETC., PIERCE FIRE PROTECTION OF INDIVIDUALLY ENCASED STRUCTURAL MEMBERS, SUCH PENETRATION SHALL NOT EXCEED 2 PERCENT OF ANY ONE FACE OF SUCH PROTECTION, AND SHALL BE CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS OR PLATES. (502.2a).
3. LINTELS SUPPORTING MASONRY WALLS OVER 4 FEET IN WIDTH SHALL BE FIRE PROTECTED WITH MATERIALS HAVING THE REQUIRED FIRE RESISTANCE RATING OF THE WALL SUPPORTED. (502.4).
4. OPENING PROTECTIVES INCLUDING FRAMES, SELF-CLOSING DEVICES AND HARDWARE SHALL COMPLY WITH ASTM E-152-1966, "STANDARD METHODS OF FIRE TEST OF DOOR ASSEMBLIES" AND ASTM E-163, 1965, "STANDARD METHODS OF FIRE TEST OF WINDOW ASSEMBLIES" AND SHALL BE LABELED, CERTIFYING PERFORMANCE RATING, AND SHALL HAVE BEEN ACCEPTED BY THE COMMISSIONER OR THE BOARD OF STANDARDS AND APPEALS. (502.7).
5. PROVIDE NON-COMBUSTIBLE PROTECTIVE RAILING OR PARAPET 3 FEET 6 INCHES IN HEIGHT OF A TYPE THAT WILL PREVENT CHILDREN FROM CRAWLING THROUGH OR OVER IT AND CONSTRUCTED AS REQUIRED BY SECTION 902.3. (503.4).
6. ROOF SHALL BE COVERED WITH CLASS A OR B ROOF COVERING MEETING THE REQUIREMENTS OF ASTME-108 "STANDARD METHODS OF FIRE TESTS OF ROOF COVERINGS" - 1965, OR REFERENCE STANDARD RS 5-9, "ROOF COVERING CLASSIFICATIONS". (503.7).

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7. DUCTS, PIPES AND CONDUITS PASSING THROUGH RATED CONSTRUCTION SHALL HAVE SPACES NOT EXCEEDING ½ INCH PACKED WITH ROPE ASBESTOS OR MINERAL WOOL AND CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS. AGGREGATE NET AREA OF SUCH OPENING SHALL NOT EXCEED 25 SQ. IN., IN ANY 100 SQ. FT. OF WALL OR FLOOR AREA, UNLESS PROTECTED BY RATED SELF-CLOSING DEVICES. (504.5).
8. FIRESTOPPING: CONCEALED SPACES WITHIN PARTITIONS, WALLS, FLOORS, ROOFS, STAIRS, FURRING, PIPE SPACES, COLUMN ENCLOSURES ETC., SHALL BE FIRESTOPPED (EXCEPT WHERE CONCEALED SPACE IS SPRINKLERED WITH NON-COMBUSTIBLE MATERIAL THAT CAN BE SHAPED).
9. SKYLIGHTS: SASH AND FRAMES SHALL BE OF NON-COMBUSTIBLE MATERIALS. GLAZING OVER STAIRWAYS AND SHAFTS SHALL BE 1/8" PLAIN GLASS. GLAZING OVER OTHER SPACES SHALL BE ¼" WIRE GLASS, PLAIN GLASS OR PLASTIC. PROTECT PLAIN GLASS ON UNDERSIDE WITH NO. 12 B&S GAUGE WIRE SCREEN HAVING A MESH FROM 3/4" TO 1" x 1". (503.8(d)).
10. BUILDING IS CLASSIFIED IN OCCUPANCY GROUP ___. DIFFERENT OCCUPANCIES ARE SEPARATED FROM EACH OTHER, VERTICALLY AND HORIZONTALLY AS FOLLOWS:

OCCUPANCY GROUP		BY FIRE DIVISION	BY FIRE SEPARATION	
E	C	2 HR	NR	HR
C	E	2 HR	NR	HR
F4	E	2 HR	NR	HR

11. INTERIOR FINISH, EXCEPT FINISH FLOORING AND FLOOR COVERING, WALL COVERINGS AND COATINGS LESS THAN 0.036 IN TOTAL THICKNESS, SHALL HAVE FLAME-SPREAD RATING NOT GREATER THAN THAT OF THE FOLLOWING INTERIOR FINISH CLASSES:

OCCUPANCY GROUP:	E	C	F
EXITS & SHAFTS	A	A	A
CORRIDORS	B	B	B
ROOMS: 1,500 SQ.FT. OR MORE	C	B	B
ROOMS: 1,500 SQ.FT. OR LESS	C	C	B

NOTE: 20% OF WALL AND CEILING AREA OF ANY ROOM SPACE OR CORRIDOR MAY BE FINISHED WITH MATERIALS HAVING A CLASS C RATING, WHERE CLASS A OR B WOULD BE REQUIRED.

MATERIALS IN EXCESS OF 20% OF AGGREGATE WALL AND CEILING AREA OF EXITS AND CORRIDORS SHALL HAVE A MAXIMUM SMOKE DEVELOPED RATING OF 25, IN ACCORDANCE WITH PROVISIONS OF ASTM E-84.

EXIT REQUIREMENTS

1. DETERMINATION EXIT AND ACCESS REQUIREMENTS:

OCCUPANCY GROUP CLASSIFICATION OF SPACE	E	F	C
NET FLOOR AREA OF SPACE IN SQ. FT. (EASH FLOOR)		SEE PLANS	
NET FLOOR AREA PER OCCUPANT, TABLE 6-2			
NUMBER OF OCCUPANTS IN EACH SPACE			
MAXIMUM OCCUPANT LOAD WITH ONE DOOR T6-3			

TABLE 6-1: MAXIMUM TRAVEL DISTANCE SPRINKLERED	300	200	200
CAPACITY DOOR TO OUTDOORS AT GRADE	100	100	100
NO. PERS. OPGS. OTHER EXIT AND CORRID.	80	80	80
PER UNIT STAIRS, ESCALATORS	60	60	60
OF WIDTH RAMPS, CORR. EX.PASS. HORZEX	100	100	100
CORRIDOR MINIMUM WIDTH (IN.)	44	44	36
MAX. DEAD END LENGTH IN FT.	50	30	50

TABLE 6-4: MAXIMUM RISER HEIGHT 7-3/4 IN. *7½ IN F; MINIMUM TREAD WIDTH 9-1/2 IN. PLUS 1" NOSING

2. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES.
3. STAIRS SHALL HAVE HANDRAILS ON EACH SIDE (EXCEPT STAIRS LESS THAN 44 IN. IN WIDTH), HAVING FINGER CLEARANCE OF 1½ IN., PROJECTING NOT MORE THAN 3½ IN. INTO THE REQUIRED STAIR WIDTH. HEIGHT OF HANDRAIL SHALL BE BETWEEN 30 IN. AND 34 IN. ABOVE THE TREAD NOSING. HANDRAILS SHALL BE RETURNED TO WALLS AND POSTS AT THEIR TERMINATION. MATERIALS SHALL HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 150. HANDRAILS SHALL BE DESIGNED TO RESIST A SIMULTANEOUS APPLICATION OF A LATERAL FORCE OF 40 PLF AND A VERTICAL LOAD OF 50 PLF.
4. SWING OF STAIR DOORS SHALL NOT BLOCK STAIRS, STAIR LANDINGS, CORRIDORS, EXIT PASSAGEWAYS.
5. TREADS AND LANDINGS OF STAIR CONSTRUCTION SHALL BE BUILT OF OR SURFACED WITH NONSKID MATERIALS.
6. VARIOUS ELEMENTS OF MEANS OF EGRESS SHALL COMPLY WITH FOLLOWING SPECIFIC REQUIREMENTS OF BUILDING CODE:

CORRIDORS	604.3	HORIZONTAL EXIT	604.6
EXIT PASSAGEWAYS	604.3	INTERIOR STAIRS	604.8
DOORS	604.4	EXTERIOR STAIRS	604.9
AREA OF REFUGE	604.7	RAMPS	604.10

7. ILLUMINATION OF AT LEAST 5 FLOOR CANDLES SHALL BE MAINTAINED, AS MEASURED AT THE FLOOR LEVEL, CONTINUOUSLY DURING OCCUPANCY IN EXITS AND THEIR ACCESS FACILITIES (605.1).
8. EXIT LIGHTING SHALL BE ON CIRCUITS THAT ARE SEPARATE FROM ANY OTHER, TAKEN OFF AHEAD OF THE MAIN SWITCH. (605.2).
9. 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 GUIDES FROM ALL PORTIONS OF THE CORRIDOR OR FLOOR. (606.1). (POWER SOURCE, SEE 8).
10. EXIT SIGNS SHALL BE INTERNALLY LIGHTED, HAVING AN INITIAL BRIGHTNESS OF THE LETTERS OF AT LEAST 25 FT. LAMBERTS. LETTERS SHALL BE READ, TRANSLUCENT, BACKGROUND TRANSLUCENT FROSTED, OPAL GLASS. LETTERS SHALL BE BLOCK LETTERS AT LEAST 4½ IN. HIGH WITH 9/16 IN. STROKES. IN BUILDINGS AND SPACES OF ~~CLASS F, LETTERS SHALL BE AT LEAST 8 IN. HIGH WITH 3/4 IN. STROKES.~~ (606.3)
11. PROVIDE EITHER (A) ILLUMINATED EXIT SIGN WITH THE BACKGROUND THEREON MADE OF AN APPROVED PHOSPHORESCENT MATERIAL OF (B) A SUPPLEMENTAL EXIT SIGN MADE OF AN APPROVED PHOSPHORESCENT MATERIAL WITH AN OPAQUE TEXT AND PLACED ADJACENT TO ILLUMINATED SIGN.
12. EXIT DOORS AND CORRIDOR DOORS SHALL BE READILY OPENABLE AT ALL TIMES FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE. (604.4 (J)). DOORS OPENING INTO INTERIOR ENCLOSED STAIRS MAY BE LOCKED TO PREVENT ACCESS TO THE STAIR FROM THE STREET SIDE ONLY.

PLACES OF ASSEMBLY

1. SEPARATE APPLICATION TO BE FILED FOR APPLICATION FOR PLACE OF ASSEMBLY.
2. PLACE OF ASSEMBLY IS NOT LOCATED WITHIN 250 FT. OF ANY OCCUPANCY CONTAINING EXPLOSIVE CONTENTS.
3. EXCEPT WHERE SEATING IS FIXED IN PLACE WITH NO PROVISIONS FOR STANDEES, SIGNS SHALL BE POSTED INDICATING NUMBER OF PERSONS WHO MAY LEGALLY OCCUPY SPACE. SIGN SHALL READ AS FOLLOWS:

   O C C U P A N C Y
   B Y   M O R E   T H A N
   P E R S O N S   I S
   D A N G E R O U S
   A N D   U N L A W F U L
   PUBLIC ASSEMBLY LICENSE NO. ..........COMMISSIONER
   (WHERE APPLICABLE)   DEPARTMENT OF BUILDINGS, CITY OF NEW YORK

   SIGN SHALL BE AT LEAST 12 IN. WIDE AND 16 IN. HIGH. LETTERING SHALL BE RED IN WHITE BACKGROUND. LETTERS MIN. 1IN HIGH, NUMERALS AT LEAST 1½ IN. HIGH. SIGNS SHALL BE FRAMED UNDER TRANSPARENT PROTECTIVE COVER, PERMANENTLY MOUNTED IN CONSPICUOUS LOCATION, ILLUMINATED DURING OCCUPANCY TO MAINTAIN 5 FT. CANDLES.
4. COPY OF APPROVED SEATING PLAN SHALL BE KEPT ON THE PREMISES AND READILY AVAILABLE. MINIMUM 1/8 IN. SCALE PLAN. (801.4).
5. PLACE OF ASSEMBLY IS SEPARATED FROM ADJOINING OCCUPANCIES BY CONSTRUCTION MEETING THE REQUIREMENTS OF TABLE 5-1 OR 5-2 AS FOLLOWS:

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2 HRS. SEPARATION FROM ADJOINING SPACES

6. INTERIOR FINISH AS PER TABLE 5-4 SHALL HAVE FOLLOWING CLASSES: EXITS AND SHAFTS: A; CORRIDORS: B; ROOMS: B.
7. DETERMINATION OF EXIT AND ACCESS REQUIREMENTS:

DESIGNATION OF SPACE	SEE PLANS
AREA OF SPACE IN SQ. FT.	
NET FLOOR AREA PER OCCUPANT OR NUMBER OF FIXED SEATS	
NUMBER OF PERSONS	
OCCUPANCY GROUP CLASSIFICATION	
MAXIMUM TRAVEL DISTANCE PRIMARY WITHIN ASSEMBLY SPACE SECONDARY	
CAPACITY AISLE AND CROSS AISLE	
NUMBER OF DOORS OR FROM ASSEMBLY SPACE	
PERSONS PER UNIT OPENINGS FROM SAFE AREA	
OF WIDTH STAIRS AND ESCALATORS	
RAMPS, CORRIDORS, SAFE AREAS EXIT PASSAGEWAYS	

8. MEASUREMENT OF TRAVEL DISTANCE:

FIRST LEG OF TRAVEL	MEASURED DISTANCE	
2ND LEG AFTER FIRST CHANGE IN DIRECTION	MEASURED DISTANCE	
3RD LEG OF TRAVEL AFTER 2ND CHANGE IN DIRECTION	1.25 x MEAS. DIST.	SEE PLANS
4TH LEG OF TRAVEL AFTER 3RD CHANGE IN DIRECTION	1.40 x MEAS. DIST.	
ANY LEG OF TRAVEL WITH FOUR OR MORE STEPS	1.25 x LENGTH OF SEGMENT AS COMPUTED ABOVE	
	TOTAL TRAVEL DISTANCE	

9. DISTRIBUTION OF EXIT CLASSES (FOR SPACES IN WHICH NET FLOOR AREA IS LESS THAN 12 SQ. FT. PER PERSON)
   CLASS 1.- NORMAL ENTRY OPENING TO A SAFE AREA OR OPEN SPACE
   CLASS 2.- NOT NORMALLY USED FOR ENTRANCE, OPENING TO A SAFE AREA OR TO AN OPEN EXTERIOR SPACE.
   CLASS 3.- OPENING INTO CORRIDORS, EXIT PASSAGEWAYS OR VERTICAL EXITS.

LOCATION OF ASSEMBLY SPACE	EXIT CLASS	DISTRIBUTION	
NOT MORE THAN 15 FT. ABOVE OR BELOW GRADE	1	MIN. 40%	
	2	MAX. 60%	
	3	MAX. 40%	
15 FT. TO 30 FT. ABOVE OR BELOW GRADE	1	MIN. 60%	SEE PLANS
	2	MAX. 40%	
MORE THAN 30 FT. ABOVE OR BELOW GRADE	1	100%	

10. EXIT DOORS SHALL NOT BE LOCKED TO PREVENT EGRESS.
11. APPROVED FIRE EXIT BOLTS SHALL BE PROVIDED (PANIC HARDWARE) FROM F-1 PLACES OF ASSEMBLY AND F-2, F-3 AND F-4 PLACES OF ASSEMBLY HAVING AN OCCUPANT LOAD EXCEEDING 300 PERSONS UNLESS DOORS WHICH ARE OPENABLE AT ALL TIMES.
12. PROVIDE EXIT SIGNS AND DIRECTIONAL SIGNS, MIN. 7 FT. ABOVE FLOOR AS PER ARTICLE 6. INTERNALLY LIGHTED TYPE TO BE MAINTAINED DURING OCCUPANCY OF BUILDING. PROVIDE EMERGENCY LIGHTING FACILITIES FOR 5 FOOT CANDLES AT FLOOR LEVEL, SEPARATE FROM GENERAL LIGHTING TO OPERATE AUTOMATICALLY IN THE EVENT OF FAILURE OF NORMAL LIGHTING SYSTEM.

MASONRY WORK

1. GENERAL MASONRY WORK WAS DESIGNED IN ACCORDANCE WITH EMPIRICAL PROVISIONS OF BUILDING CODE AND IS NOT SUBJECT TO CONTROLLED INSPECTION.
2. MATERIALS SHALL BE SUBJECT TO ACCEPTANCE BY THE COMMISSIONER. NEW AND CLEARLY IDENTIFIED AS TO GRADE AND TRADE MARK.
   (A) BUILDING BRICK SHALL BE MADE FROM CLAY OR SHALE ASTM C-62-69, GRADE MW FOR EXTERIOR WALLS ABOVE GRADE - GRADE NW FOR INTERIOR WALLS.
   (B) CONCRETE BUILDING BRICK AS PER ASTM C-55-70.
   (C) FACING BRICK SHALL BE TYPE FBX, AS PER ASTM C-216-71 GRADE MW.
   (D) CONCRETE MASONRY UNITS TO BE GRADE P, FOR MODERATE EXPOSURE AND GRADE G, FOR NO EXPOSURE.
       (1) SOLID LOAD BEARING BLOCK AS PER ASTM C-145-1970.
       (2) HOLLOW LOAD BEARING BLOCK AS PER ASTM C-90-1970.
       (3) HOLLOW NON-LOAD BEARING BLOCK AS PER ASTM C-129-1970)
   (E) CERAMIC GLAZED STRUCTURAL CLAY FACING TILE, FACING BRICK AND SOLID MASONRY UNITS AS PER ASTM C-126-71. STRUCTURAL FACING SHALL BE TYPE SS.
   (F) METAL ANCHORS AND TIES SHALL BE CORROSION-RESISTANT AS FOLLOWS:
       (1) ZINC COATING ON IRON OR STEEL CLASS B-1, B-2, B-3, ASTM A-153-1965.
       (2) ZINC COATING ON WIRE AS PER ASTM A-116, 1966, CLASS 1.
       (3) COPPER COATED WIRE TO BE GRADE 30 HS AS PER ASTM B-227-1965.
   (G) MORTAR SHALL COMPLY WITH ASTM C-270-1971, TYPE N PROPORTIONED, 1 PART OF PORTLAND CEMENT, 1 PART OF HYDRATED LIME OR LIME PUTTY, AND 6 PARTS OF AGGREGATE.
   (H) LIME SHALL BE TYPE S OR N AS PER ASTM C-207-1949.
   (I) SAND SHALL CONFORM TO ASTM C-144-66T.
   (J) WATER SHALL BE CLEAN AND POTABLE.
3. CONSTRUCTION:
   (A) SOLID MASONRY WALLS, OF SOLID OR HOLLOW MASONRY UNITS.
       (1) BRICK SHALL BE LAID IN COMMON BOND WITH HEADER COURSES EVERY SECOND CONCRETE BLOCK COURSE OR,
       (2) FACE BRICK SHALL BE TIED TO CONCRETE BLOCK BACKUP WITH "DUR-O-WALL", TYPE 5, PREFABRICATED JOINT REINFORCEMENT.
   (B) ~~CAVITY WALLS: CAVITY WALLS TO BE FACED WITH 4" BRICK, 2" AIR SPACE AND BACKED WITH CONCRETE MASONRY UNITS, OF THICKNESS SHOWN ON PLANS.~~
   (C) INTERSECTING WALLS TO BE BONDED TOGETHER WITH 50% OF THE UNITS INTERLOCKING, OR WITH ¼" x 1½" W.I., STRAP ANCHORS, T-ENT 24" LONG, 4'-0" MAXIMUM O.C.
   (D) NON-LOAD BEARING INTERIOR WALLS SHALL BE ANCHORED AT THEIR INTERSECTION WITH 22 GA. 7/8" WIDE CORROSION RESISTANT CORRUGATED METAL TIES 1'-0" O.C. MAXIMUM EXTENDING 4" INTO MASONRY.
4. ANCHORS AND MASONRY REINFORCEMENT:
   (A) ~~WALL SHALL BE ANCHORED TO CONCRETE COLUMNS WITH DOVETAIL ANCHORS 16" O.C. VERTICAL AND HORIZONTAL.~~
   (B) ~~CAVITY WALLS: FACING AND BACKING SHALL BE BONDED WITH PREFABRICATED JOINT REINFORCEMENT. VERTICAL SPACING SHALL NOT EXCEED 16" O.C. SPECIAL 90° REINFORCING SHALL BE USED AT ALL CORNERS.~~
   (C) PARAPET WALLS: SHALL BE REINFORCED AT CORNERS WITH PREFABRICATED JOINT REINFORCEMENT, EXTENDING MINIMUM 4 FEET IN BOTH DIRECTIONS, MAXIMUM VERTICAL INTERVALS NOT GREATER THAN 12 INCHES.
5. MISCELLANEOUS PROVISION:
   (A) PROVIDE AND INSTALL FABRIC FLASHING AT SPANDREL BEAMS, AT EXTERIOR LINTELS AND UNDER SILLS.
   (B) PROVIDE CHASES AND POCKETS AS SHOWN, OR AS REQUIRED BY OTHER TRADES. SEAL OFF AND FIRESTOP AT EACH FLOOR LEVEL.
   (C) ALL EXTERIOR WALLS TO BE PROPERLY PARGED AND JOINTS FULLY SLUSHED. ~~(EXCEPT CAVITY WALLS)~~.
   (D) ~~TWO COURSES OF BRICK TO BE PROVIDED UNDER ALL STEEL BEAMS BEARING ON HOLLOW BLOCK WALLS, ALSO AROUND ELEVATOR INSERTS.~~
   (E) ~~CHASES UNDER WINDOWS FOR RADIATORS (ONLY WHERE INDICATED) NOT TO EXCEED THE WIDTH OF THE WINDOW OPENING ABOVE.~~

   (F) PARAPET WALLS SHALL BE SOLID MASONRY ~~OR HOLLOW MASONRY, CELLS FILLED SOLID WITH MORTAR.~~
   (G) ~~CHIMNEY SHALL BE BRICK OR MASONRY UNITS, EXTENDING AT LEAST 3 FT. ABOVE THE HIGHEST CONSTRUCTION WITHIN 10 FEET. LINING SHALL BE FIRE BRICK TYPE G COMPLYING WITH ASTM C-106-1951. PROVIDE ½" AIRSPACE BETWEEN CHIMNEY WALLS AND FLUE LINING. MEDIUM REFRACTORY MORTAR AS PER ASTM C-178-1947.~~
   (H) INTERIOR ~~BLOCKS TO BE SOLID, LOAD BEARING, UNLESS OTHERWISE NOTED.~~

   WALLS ADJOINING OR INTERSECTING STRUCTURAL FRAMING SHALL BE ANCHORED WITH FLEXIBLE METAL ANCHORS TO STRUCTURAL MEMBERS.

   CHASES NOT TO BE DEEPER THAN 1/8 INTO WALL THICKNESS.

   LINTELS TO HAVE MINIMUM BEARING ON WALL AT EACH END FOR AT LEAST 4 IN.

   PROVIDE TEMPORARY BRACING WHEREVER NECESSARY TO SUPPORT LOADS.

10. MIX MORTAR FOR A MINIMUM OF 5 MIN., MORTAR MAY BE RETEMPERED BY ADDING WATER AND REMIXING. MORTAR SHALL BE USED WITHIN 2½ HRS. OF INITIAL MIXING.
11. THICKNESS OF MORTAR BETWEEN MASONRY UNITS AND REINFORCEMENT MIN. ¼ IN. BARS OR WIRE ¼ IN. OR LESS IN DIAMETER EMBEDDED IN HORIZONTAL MORTAR JOINTS SHALL HAVE AT LEAST 4/8 IN. HORIZONTAL COVER.
12. BRICK HAVING AN ABSORPTION RATE IN EXCESS OF 0.025 OZ. PER SQ. IN. PER MIN. SHALL BE WETTED BEFORE LAYING. CONCRETE MASONRY UNITS SHALL NOT BE WETTED.
13. PROTECT MASONRY DURING FREEZING OR NEAR FREEZING WEATHER. NO FROZEN MATERIALS SHALL BE USED. HEAT SAND OR WATER TO REMOVE FROST. MAINTAIN MIN. 40° F AIR TEMPERATURE ON BOTH SIDES FOR A PERIOD OF 48 HRS. FOR TYPE M & S MORTARS AND 72 HRS. IF TYPE N OR O MORTAR IS USED. DO NOT USE CHEMICALS TO LOWER FREEZING TEMPERATURE.
14. STORE MATERIALS IN A MANNER THAT THEY ARE KEPT FREE OF EXCESSIVE DIRT AND WETNESS.
15. EXTERIOR MASONRY WALLS SHALL BE RUNNING BOND (OUTER WYTHE).

GLASS NOTES

1. GLASS SHALL BE FIRMLY HELD IN PLACE, SUPPORTS SHALL BE OF ADEQUATE STRENGTH TO MEET WINDLOADS AS PRESCRIBED IN ARTICLE 9, NYC BUILDING CODE.
2. SAFETY GLAZING MATERIAL SHALL COMPLY WITH USASI-226.1 1950. OTHER GLASS FED. SPEC. DD-G-00451A 1951.
3. MINIMUM THICKNESS OF GLASS PANELS SHALL BE AS FOLLOWS:

MAXIMUM AREA OF GLASS

NOMINAL THICKNESS OF GLASS (INCHES)	ELEVATION ABOVE GRADE OF MIDPOINT OF GLASS, FT. 0-50	50-300
SHEET GLASS		
SINGLE STRENGTH	9	9
DOUBLE STRENGTH	13	13
3/16"	25	25
7/32"	32	32
PLATE AND FLOAT GLASS		
13/64"	25	25
1/4"	37	37
5/16"	54	54
3/8"	78	74
1/2"	114	100
5/8"	152	120

4. FOR TYPES OF GLASS OTHER THAN SINGLE ANNEALED SHEET AND PLATE GLASS ALLOWABLE MAXIMUM AREA MAY BE DETERMINED BY MULTIPLYING ABOVE VALUES BY THE APPROXIMATE MULTIPLYING FACTOR LISTED HEREIN:

GLASS TYPE	MULTIPLYING FACTOR
FULL TEMPERED	4.0
HEAT STRENGTHENED	2.0
FACTORY-FABRICATED DOUBLE GLAZING BASED ON THINNER LIGHTPANE	1.5
LAMINATED	0.6
WIRED	0.5
SANDBLASTED OR ETCHED	0.4

5. GLASS IN PRIME AND STORM DOORS, INTERIOR DOORS, FIXED GLASS PANELS THAT MAY BE MISTAKEN FOR MEANS OF EGRESS, OR INGRESS, SHOWER DOORS AND TUB ENCLOSURES OR IN SIMILAR INSTALLATIONS WHERE ONE OR MORE OF THE FOLLOWING CRITERIA APPLY SHALL MEET THE REQUIREMENTS SET FORTH IN ITEM 6 OF SPECIFICATIONS.
   (A) OPENINGS ARE LOCATED IN REGULARLY OCCUPIED SPACES.
   (B) LOWEST POINT OF PANEL IS LESS THAN 18 IN. ABOVE FINISHED FLOOR.
   (C) MINIMUM DIMENSION OF PANEL IS LARGER THAN 18 IN.
6. INDIVIDUAL OPENING AREA OVER 6 SQ. FT. MUST BE PROTECTED BY A PUSH BAR OR PROTECTIVE GRILLE FIRMLY ATTACHED ON EACH SIDE OF FOLLOWING MINIMUM THICKNESSES: REGULAR PLATE SHEET OR ROLLED (ANNEALED): 3/16 IN. SURFACE SANDBLASTED, ETCHED, OR OTHERWISE DEPRECIATED: 7/32 IN.: OBSCURE: 1/4 IN.: LAMINATED 1/4 IN.: WIRED: 7/32 IN.
7. REFER TO BSA CAL 501-68-SR FOR ADDITIONAL REQUIREMENTS.

ALL DOORS TO STAIRS TO BE 1½ HR. F.P.S.C. 3'8"x7'0" DOORS
ALL H.M. DOORS TO BE 1½ HR. RATING. SEE DWG A 90 DOOR SCHEDULE, 1/8" SCALE FLR PLANS & CORE PLANS

REVISIONS

NO.	DATE	DESCRIPTION
A	9-7-72	NOTE ADDED UNDER OCCUPANCY & CONSTRUCTION CLASSIFICATION

ISSUED TO	NO.	DATE	PKG. NO.
BT Co	1	4-5-73	PC 34983
F/W	2	2-4-74	PC 29226
F/W	4	1-29-74	PC 29215
J. ROGERS	1	1-14-73	PC 27641
F/W	6	5-7-73	PC 23751
B.T.Co.	11	4-19-73	PC 26139
F/W	31	4-12-73	PC 26115
F/W	10	2-8-73	PC 25127
F/W	10	12-19-72	PC 19895
F/W	20	11-17-72	PC 24210
F/W	10	10-25-72	PC 23928
F/W	2	10-18-72	PC 23874
F/W	7	9-26-72	PC 22995
F/W	10	9-21-72	PC 22891
BLDG DEPT	2	9-12-72	PC 22976
REVISION	A	9-7-72	
F/W	31	9-7-72	PC 22974
CON ELECT	2	7-24-72	PC 22697
F/W ST	2	7-17-72	PC 22682

BANKERS TRUST PLAZA

A FISHER BROTHERS PROJECT

GREENWICH AND LIBERTY ST. N.Y. N.Y.

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STRUCTURAL ENGINEERS
515 MADISON AVENUE N.Y. N.Y. 10022

JAROS, BAUM & BOLLES
MECH. & ELEC. ENGINEERS
345 PARK AVENUE N.Y. N.Y. 10022

DEPARTMENT OF BUILDING NOTES
SHEET No 1

PROJECT NUMBER: 7101
DRAWING NUMBER: T-2
DATE: 7-17-72
SCALE: NONE