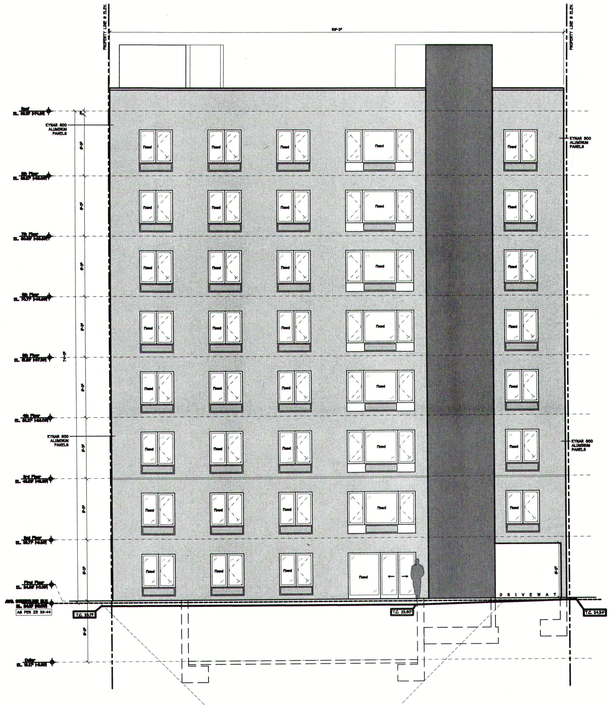
WHEELER HOTEL

1164 WHEELER AVE.

BRONX, NEW YORK

Owner: Nick Gandhi



Architectual Drawings List :

T-100.00 COVER SHEET
Z-100.00 ZONING ANALYSIS
Z-110.00 FLOOR AREA BREAKDOWN
Z-120.00 SITE PLAN
Z-130.00 SITE SURVEY
A-100.00 CELLAR PLAN
A-110.00 GROUND FLOOR PLAN
A-120.00 2nd THRU 8th FL. - TYPICAL FLOOR PLAN
A-130.00 ROOF PLAN
A-140.00 BULKHEAD PLAN
A-200.00 FRONT ELEVATION - WHEELER AVE.
A-210.00 REAR ELEVATION
A-300.00 SECTION A
EN-100.00 ENERGY ANALYSIS
EN-110.00 ENERGY ANALYSIS - AREA BREAKDOWN
EN-120.00 TABLE II - PROGRESS INSPECTIONS
A-400.00 GENERAL NOTES
A-410.00 ACCESSIBILITY NOTES
A-420.00 SITE & CONCRETE DETAILS
A-430.00 WALL DETAILS
A-440.00 METAL FRAME DETAILS - 1
A-450.00 METAL FRAME DETAILS - 2
A-460.00 METAL FRAME DETAILS - 3
A-470.00 MASONRY TIE DETAILS
A-480.00 EIFS DETAILS
A-490.00 BULKHEAD & ROOF DETAILS
A-500.00 DOOR DETAILS
A-510.00 WINDOW DETAILS
A-520.00 CEILING DETAILS
A-530.00 MISCELANEOUS DETAILS

EXAMINED FOR ZONING, EGRESS AND FIRE PREVENTION ONLY AS PER DIR. NO. 2 OF 1975
OCT 14 2016
AKINTOYE AKINFENWA

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THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. GERALD J. CALIENDO ARCHITECT, P.C. AND ITS PRINCIPAL/EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

Gerald J. Caliendo, R.A., A.I.A.
Architect, P.C.

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DRAWING TITLE: Cover Sheet

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY:	CHECKED BY:	JOB NO:	SCALE	DATE
SF/MK	GJC	5109	AS NOTED	4/1/16

NO.	DATE	REVISION

SEAL: REGISTERED ARCHITECT GERALD J. CALIENDO 020241 STATE OF NEW YORK

DEPT BLDGS Job No: 220517527
Scan Code: ES#5572076

DOB:

DRAWING No: 1 OF 30

T-100.00

ZONING ANALYSIS

ADDRESS : 1164 Wheeler Ave.
BLOCK : 3739 LOT : 34
ZONE : C4-2 MAP NO : 3d
PROPOSED USE GROUP(s) : R-1
SCOPE OF WORK: Proposed One (1) New Eight (8) Story plus Cellar, Seventy Six (76) Room Hotel

NOTE: The Following Zoning Analysis is for One (1) Zoning Lot, One (1) Tax Lot

ARTICLE III: COMMERCIAL DISTRICT REGULATIONS
CHAPTER 3 – BULK REGULATIONS FOR COMMERCIAL OR COMMUNITY FACILITY BUILDINGS IN COMMERCIAL DISTRICTS

APPLICABILITY, DEFINITIONS AND GENERAL PROVISIONS: **(as per 33-00)**
STREET TREE PLANTING IN COMMERCIAL DISTRICTS: (as per 33-03)(a)
Required: 1 Tree required per 25' of Street Frontage of the Zoning Lot **(as per 26-41)**
Zoning Lot Street Frontage 70.37' => 70.37 / 25 = 2.8 => 3 Trees
Provided: **Three (3) Trees**

FLOOR AREA REGULATIONS: **(as per 33-10)**
MAXIMUM FLOOR AREA RATIO: (as per 33-12)
COMMERCIAL BUILDINGS IN ALL OTHER COMMERCIAL DISTRICTS: (as per 33-122)
C4-2: 3.4
AREA OF LOT: 6,691.70 SF
MAX. COMMERCIAL F. A.: 6,691.70 SF x 3.4 = **22,638.35** SF (See Actual Floor Area Breakdown Below)
Proposed Gross Commercial Floor Area; **28,557.64 SF**
Proposed Total Net Floor Area: **22,638.35 SF** < 22,751.78 ==> **OK!**
PROPOSED F.A.R.: 22,638.35 /6,691.70 = 3.39 < 3.4 ==> **OK!**

FLOOR AREA BREAKDOWN:

Floor	Gross Building F.A.	Deductions			Net Commercial F.A.
		Zoning	** Energy	Mechanical	
Cel	4,407.67	* 4,407.67	0.00	0.00	0.00
1	2,532.32	60.00	31.76	55.59	2,396.26
2	3,004.93	0.00	38.02	73.57	2,906.91
3	3,004.93	0.00	38.02	73.57	2,906.91
4	3,004.93	0.00	38.02	73.57	2,906.91
5	3,004.93	0.00	38.02	73.57	2,906.91
6	3,004.93	0.00	38.02	73.57	2,906.91
7	3,004.93	0.00	38.02	73.57	2,906.91
8	3,004.93	0.00	38.02	73.57	2,906.91
ROOF	583.14	* 583.14	0.00	0.00	0.00
Total	28,557.64	5,050.81	297.90	570.58	22,638.35

* Cellar & Bulkhead are not included in F.A. by definition. (12-10ZR)
** ENERGY DEDUCTIONS AS PER " ZR-12-10: FLOOR AREA (12) (ii)" – SEE FLOOR AREA BREAKDOWN ON Z-110

YARD REGULATIONS: **(as per 33-20)**

MINIMUM REQUIRED SIDE YARD: (as per 33-25)
Required: None or 8'-0" if any
Provided: **None**

MINIMUM REQUIRED REAR YARD: (as per 33-26)
Required: 20.00'
Provided: **31'-0" MIN**

HEIGHT AND SETBACK REGULATIONS: **(as per 33-40)**

ALTERNATE FRONT SETBACKS: (33-44)
IN OTHER COMMERCIAL DISTRICTS: (as per 33-442)
Within C4-2 on a Narrow Street:

Required Depth of optional front Open Area: 15.00' Setback
Provided: **18.92' (18'-11") MIN -- SEE SKY EXPOSURE PLANE DIAGRAM ON THIS SHEET**

Required Height above street line: 60.00'
Required Slope over Zoning Lot on Narrow Street: 3.7 (Vertical Distance) to 1 (Horizontal Distance)
Alternate Sky Exposure Plane: SEE SKY EXPOSURE PLANE DIAGRAM ON THIS SHEET
Provided Height of Street Wall: **74'-11 (74.92') -- SEE SKY EXPOSURE PLANE DIAGRAM ON THIS SHEET**

CHAPTER 6 – ACCESSORY OFF-STREET PARKING AND LOADING REGULATIONS

REQUIRED ACCESSORY OFF-STREET PARKING SPACES FOR COMMERCIAL OR COMMUNITY FACILITY USES: (as per 36-20)
REQUIRED ACCESSORY OFF-STREET PARKING: (as per 36-21a)

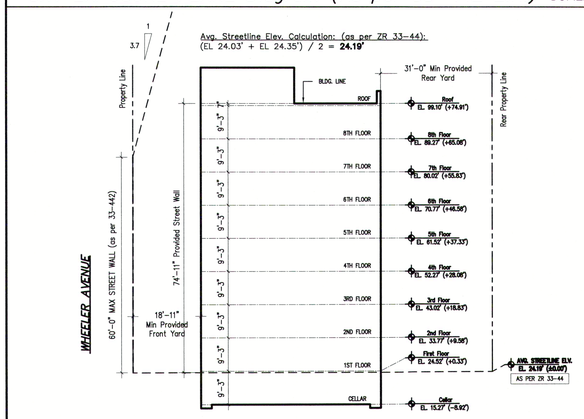
Required: 1 per 8 Guest Rooms or Suites in C4-2 zone
72 / 8 = 9 Required Parking spaces
Waiver of Requirements for Spaces Below 15: (as per 36-231)

Required Parking Provided: **0 Spaces**
Permitted Parking Provided: 5 Parking Spaces provided (INCLUDES 1 HANDICAP SPOT) (as per 36-521) (see calculations on sheet Z-120 & A-110)

REQUIRED ACCESSORY OFF-STREET LOADING BERTHS: (as per 36-62)
Required: None for 1st 25,000 SF for C4-2
Proposed Hotel Floor Area 22,638.35 SF < 25,000 ==> None Required
Provided: **None**

REQUIRED BICYCLE PARKING SPACES: (as per 36-71)
General Retail or Service Uses – Use Group 5A:
1 per 10,000 SF of Floor Area
22,638.35 / 10,000 = 2.2 => therefore 2 Required
Provided: **(4) FOUR (ENCLOSED SPOTS)** (see sheet Z-120 & A-110)

SKY EXPOSURE PLANE Diagram (As per 33-442 Z.R.) SCALE: nts



LEGEND FOR DETAILS SEE DWG A-430

DROP ARCH OR CONDITION ABOVE

1A — CONCRETE FOUNDATION WALL

1B — CONCRETE WALL WITH 1 1/2" R-7.5 CONTINUOUS INSULATION AND FURRING ON THE INTERIOR SIDE

1C — 8" CONCRETE WALL – 2" ALUMINUM PANEL WITH, 2 1/2" R-15 CONTINUOUS INSULATION ON INTERIOR SIDE

2 — 2-HOUR RATED EXTERIOR WALL – 6" MTL. STUDS @ 24" O.C. WITH 5 1/2" R-19 CAVITY INSULATION, 2 LAYERS 5/8" TYPE X GYP. BD. ON INTERIOR SIDE, 5/8" EXT. GRADE GYP. BD. OR DENS-GLAS GOLD, 15# FELT, 1" AIR SPACE AND 4" ALUMINUM PANEL WITH 2 1/2" R-15 CONTINUOUS INSULATION ON THE EXTERIOR SIDE.

3 — 2-HOUR RATED INTERIOR PARTITION WITH 3 5/8" MTL. STUDS @ 16" O.C. WITH TWO LAYERS OF 5/8" TYPE X GYPSUM BOARD ON EACH SIDE.
BSA # 301-60-SM

3A — 2-HOUR RATED INTERIOR PARTITION WITH 2 1/2", 25 GA MTL. STUDS @ 24" O.C. FRICTION FITTED INTO TOP AND BOTTOM STEEL 2 1/2" RUNNER TRACKS; DOUBLE LAYER 1" SHEETROCK FIRECODE "C" (TYPE X GYP BD) PANELS SECURED TO EACH SIDE OF METAL STUDS; A 24 GA. 36"x48" STEEL SHEET SECURED BETWEEN GYP PANELS 18" ABOVE FLOOR LINE. OVERALL ASSEMBLY THICKNESS IS 4 1/2" **(MASONRY EQUIVALENT)**
BSA #542-68-SM

5 — 1-HOUR RATED INTERIOR PARTITION WITH 3 5/8" MTL. STUDS @ 16" O.C. WITH ONE LAYERS OF 5/8" TYPE X GYPSUM BOARD ON EACH SIDE.

6 — NON-RATED INTERIOR PARTITION WITH 3 5/8" MTL. STUDS @ 16" O.C. WITH 5/8" GYPSUM BOARD ON BOTH SIDES

10 — 1-HOUR RATED CHASE PARTITION WITH TWO ROWS OF 2 1/2" MTL. STUDS @ 16" O.C. – ONE LAYER OF 5/8" TYPE X GYPSUM BOARD ON EACH SIDE.

11 — 2-HOUR RATED CHASE PARTITION WITH TWO ROWS OF 2 1/2" MTL. STUDS @ 16" O.C. – TWO LAYERS OF 5/8" TYPE X GYPSUM BOARD ON EACH SIDE.

N.Y.C. ADMINISTRATIVE CODE ANALYSIS

PROPOSED USE:
Cellar: OCC. GROUP R-1 HOTEL
1st FL: OCC. GROUP R-1 HOTEL
2nd thru 8th FL: OCC. GROUP R-1 HOTEL

PROPOSED CONSTRUCTION CLASS: IB

TABULAR LIMITS: **(AS PER BC 503) – CLASS IB**

CELLAR:	PROPOSED FIRE AREA (R-1 HOTEL)	= 4,407.67 SF
1st FL:	PROPOSED FIRE AREA (R-1 HOTEL)	= 2,532.32 SF
2nd thru 8th FL:	PROPOSED FIRE AREA (R-1 HOTEL)	= 3,004.93 x 7 SF
TOTAL		= 28,557.64 SF

OCC. GROUP R-1 HOTEL
MAX. PERMITTED FIRE AREA = UNLIMITTED
PROPOSED FIRE AREA = 28,557.64 SF => OK
MAX. PERMITTED HEIGHT = UNLIMITTED
PROPOSED HEIGHT = 74'-11" (8 STORY) => OK

FIRE RATING OF CONSTRUCTION ELEMENTS: **(AS PER TABLE 601, 602)**

NON-COMBUSTIBLE CONSTRUCTION CLASS IB	
STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES	2 HRS.
BEARING WALLS	
EXTERIOR	2 HRS.
INTERIOR	2 HRS.
NONBEARING WALLS AND PARTITIONS / EXTERIOR	
FIRE SEPARATION DISTANCE < 5'-0"	1 HR.
FIRE SEPARATION DISTANCE 5'-0" – 10'-0"	1 HR.
FIRE SEPARATION DISTANCE 10'-0" – 30'-0"	1 HR.
FIRE SEPARATION DISTANCE > 30'-0"	0 HRS.
NONBEARING WALLS AND PARTITIONS / INTERIOR	0 HRS.
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	2 HRS.
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	1 HR.

SEPARATION OF OCCUPANCIES: **(AS PER TABLE 706.3.7)**

FLOOR	OCCUPANCY GROUP	FIRE INDEX
Cellar	OCC. GROUP R-1 HOTEL	2
1st FL.	OCC. GROUP R-1 HOTEL	2
2nd thru 8th FL.	OCC. GROUP R-1 HOTEL	2

FIRE SEPARATIONS: **(AS PER TABLE 508.3.3)**

FLOOR	OCCUPANCY GROUP	FIRE SEPARATION (HOURS)
Cellar	OCC. GROUP R-1 HOTEL	NOT REQUIRED
1st FL.	OCC. GROUP R-1 HOTEL	NOT REQUIRED
2nd thru 8th FL.	OCC. GROUP R-1 HOTEL	2

OCCUPANT LOAD REQUIREMENTS: **(AS PER TABLE 1004.1.2)**

● BUSINESS AREAS	100 SF GROSS / OCCUPANT

TABLE 1107.6.1.1
ACCESSIBLE DWELLING AND SLEEPING UNITS

TOTAL NUMBER OF UNITS PROVIDED	MINIMUM NUMBER OF ACCESSIBLE UNITS ASSOCIATED WITH ROLL-IN SHOWERS	TOTAL NUMBER OF REQUIRED ACCESSIBLE UNITS	TOTAL NUMBER OF ACCESSIBLE UNITS PROVIDED WITH ROLL-IN SHOWERS	TOTAL NUMBER OF ACCESSIBLE UNITS PROVIDED FOR GUEST ROOMS
50 TO 75	1	4	7	7

AS PER BC 1107.6.1.1 PROVIDE PORTABLE SMOKE AND/OR CARBON MONOXIDE DETECTORS WITH BOTH AUDIBLE & VISUAL FEATURES FOR A MIN OF 3 PERCENT OF TOTAL SLEEPING UNITS
TOTAL NUMBER OF ROOMS = 72 x 3% = 2.16 => THEREFORE 2 REQUIRED
TOTAL PROVIDED = ONE FOR EACH HANDICAPPED ROOM PER FLOORS 2 THRU 8 =>
TOTAL OF SEVEN (7) PROVIDED => 7 > 2 THEREFORE OK

SYMBOLS

A-5 — INDICATES SECTION NUMBER. / INDICATES SHEET NUMBER.
1 / A-6 — INDICATES DETAIL NUMBER / INDICATES DIRECTION OF VIEW / INDICATES SHEET NUMBER
1 / A-4 — INDICATES VIEW NUMBER / INDICATES SHEET NUMBER
1 — INDICATES REVISION NUMBER
72.57' — DENOTES ELEVATION
℄ — DENOTES CENTER LINE
AD — OUTSIDE AREA DRAIN
F.D. — FLOOR DRAIN
MECHANICAL VENT 50 CFM OR MECHANICAL VENT 75 CFM
NEW YORK CITY APPROVED TYPE ILLUMINATED EXIT SIGN
SA / CO — CARBON MONOXIDE/SMOKE DETECTOR

SPECIAL INSPECTIONS

Special Inspection Items ■ indicates report required

Y	N	Special Inspections		Code/Section
		Concrete - Cast-In-Place		BC 1704.4
		Concrete - Test Cylinders*	■ TR-2	BC 1905.6
		Concrete Design Mix*	■ TR-3	BC 1905.3
		Soils-Site Preparation		BC 1704.7.1
		Soils-Investigations (Borings/Test Pits)	■ TR-4	BC 1704.7.4
		Wall Panels, Curtain Walls, and Veneers	■	BC 1704.10
		Sprayed Fire - Resistant Materials		BC 1704.11
		Mechanical Systems		BC 1704.15
		Structural Safety-Structural Stability		BC 1704.19
		Excavation-Sheeting, Shoring, and Bracing		BC 1704.19, BC 3304.4.1
		Soil Percolation Test-Septic	■	BC 1704.20.1
		Site Storm Drainage Disposal and Detention System Installation		BC 1704.20
		Firestop, Draftstop, and Fireblock systems		BC 1704.25

* these tests must be performed by a licensed concrete testing lab and need not be performed by a special inspections agency

Progress Inspection Items

Y	N	Progress Inspections		Code/Section
		Footing and Foundation		BC 109.3.1
		Frame Inspection		BC 109.3.3
		Energy Code Compliance Inspections	■ TR8	BC 109.3.5
		Fire-Resistive Rated Construction		BC 109.3.1

EXIT AND ACCESS REQUIREMENT SCHEDULE

AS PER 2014 BC SECTION BC 1005.1, BC 1004.1.1, BC 1007 (REFER TO A-100, A-110 & A-120)

OCCUPANT LOAD REQUIREMENTS
80 SQFT/ OCCUPANT GUEST ROOMS
100 SQFT/ OCCUPANT OFFICE/BUSIN.
15 SQFT/ OCCUPANT BREAKFAST RM.
50 SQFT/ OCCUPANT GYM
(AS PER TABLE 1004.7 & HMC 27-2075):
HOTEL: 109

ACTUAL # OF OCCUPANTS FOR HOTEL: 109 ppl
TOTAL CAPACITY (OCCUPANTS) FOR HOTEL: 292 ppl

DOOR NO.	ACTUAL WIDTH OF DOOR	REQ'D INCHES PER OCCUPANT	DOOR CAPACITY (OCCUPANTS)	ACTUAL # OF OCC. @ DOOR
100 HOTEL	3'-0" (36")	0.2	36" / 0.2 = 180	17
102 HOTEL	3'-0" (36")	0.2	36" / 0.2 = 180	17
104 HOTEL	3'-0" (36")	0.2	36" / 0.2 = 180	17
106 HOTEL	3'-0" (36")	0.2	36" / 0.2 = 180	59
108 HOTEL	6'-0" (72")	0.2	72" / 0.2 = 360	70
104 HOTEL	3'-0" (36")	0.2	36" / 0.2 = 180	52
109 HOTEL	3'-0" (36")	0.2	36" / 0.2 = 180	52
200–400 HOTEL	3'-0" (36")	0.2	36" / 0.2 = 180	5
202–402 HOTEL	3'-0" (36")	0.2	36" / 0.2 = 180	6

STAIR NO.	ACTUAL WIDTH OF STAIR	REQ'D INCHES PER OCC.	CAPACITY (OCC.)	ACTUAL # OF OCC. @ STAIR AT LEVEL OF DISCHARGE
A HOTEL	3'-8" (44")	0.3	146	59
B HOTEL	3'-8" (44")	0.3	146	52

CORRIDOR NO.	ACTUAL WIDTH OF CORRIDOR	REQ'D INCHES PER OCC.	CAPACITY (OCC.)	ACTUAL # OF OCCUPANTS @ CORRIDOR
1CR	5'-0" (60")	0.2	300	17
2CR	4'-7" (55")	0.2	275	17
3CR	4'-0" (48")	0.2	240	61
4CR–6CR	4'-0" (48")	0.2	240	11

SEPARATE APPLICATIONS

FENCE: SAME APPLICATION DOC #01
STRUCTURE: SAME APPLICATION DOC #02
PLUMBING: SAME APPLICATION DOC #03
MECHANICAL: SAME APPLICATION DOC #03
SPRINKLER: SAME APPLICATION DOC #03
FIRE ALARM: # 220549217
BPP: # 220551720
SITE SEWER CONNECTION: SCQ 1902-1164

BUILDING DEPARTMENT NOTES

1. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS BEFORE ANY CONSTRUCTION WORK IS STARTED.
2. AT LEAST 24 HOURS WRITTEN NOTICE SHALL BE GIVEN TO THE COMMISSIONER PRIOR TO COMMENCEMENT OF ANY WORK SEC. C26-118.5
3. LINTELS SUPPORTING MASONRY WALLS OVER 4'-0" SHALL BE FIRE PROTECTED WITH MATERIALS HAVING THE REQUIRED FIRE RESISTIVE RATING OF THE WALL
4. SUSPENDED CEILINGS SHALL HAVE HANGERS AND SUPPORTING GRIDS OF NON-COMBUSTIBLE MATERIALS, SEC C26-504.12
5. INTERIOR FINISHES TO COMPLY WITH SEC. C26-504.10 AND TABLE 5-4.
6. ALL PARTITIONS ENCLOSING TENANT SPACES AND EXIT CORRIDORS SHALL BE CONSTRUCTED OF 5/8" SHEET ROCK FIRE CODE "C" TWO LAYERS ON EACH SIDE OF 3 5/8" METAL STUDS. PARTITIONS SEPARATING TENANTS AND PUBLIC HALL PARTITIONS SHALL BE CARRIED THRU TO UNDERSIDE OF ROOF ABOVE.
7. WHERE NON-COMBUSTIBLE PIPES AND CONDUITS PASS THROUGH RATED CONSTRUCTION, THE AREA OF SUCH OPENING MAY NOT EXCEED 25 SQ. IN. IN ANY 100 SQ. FT. OF WALL OR FLOOR AREA. THE SPACE BETWEEN THE PIPE AND ITS SLEEVE OR OPENING MAY NOT EXCEED 1/2" AND WILL BE PACKED WITH NON-COMBUSTIBLE MATERIAL SUCH AS MINERAL WOOL SEC. 27-343.
8. CONCEALED SPACES WITHIN PARTITIONS, WALLS, FLOORS, ROOFS, STAIRS, FURRING, PIPE SPACES, ETC., THAT WOULD PERMIT PASSAGE OF FLAME, SMOKE, FUMES, OR HOT GASES FROM ONE FLOOR TO ANOTHER, OR FROM ONE CONCEALED AREA TO ANOTHER, SHALL BE FIRESTOPPED TO FORM AN EFFECTIVE DRAFT BARRIER OR SHALL BE FILLED WITH NON-COMBUSTIBLE MATERIAL. SEC. 27-345.
9. PLUMBING VENTS SHALL EXTEND ABOVE ROOF AS PER SEC. P109.4(A).
10. ALL ELECTRICAL OUTLETS TO MEET ALL REQUIREMENTS OF THE NYC ELECTRICAL CODE.
11. THE CONTRACTOR MUST OBTAIN A CERTIFICATE OF OCCUPANCY UPON COMPLETION OF ALL WORK ON THIS PLAN TO COMPLY WITH THE BUILDING CODE SUB ARTICLE 121.0
12. CONTROLLED INSPECTION ITEMS: THE FOLLOWING ITEMS OF WORK SHALL BE SUBJECT TO CONTROLLED INSPECTION MADE WITNESSED BY OR UNDER DIRECT SUPERVISION OF AN ARCHITECT OR ENGINEER RETAINED BY THE OWNER WHO SHALL BE ACCEPTABLE TO THE ARCHITECT.
    A. TEST REPORT AND CERTIFICATE OF INSPECTION SHALL BE FILED WITH THE BUILDING DEPARTMENT.
    B. ALL MATERIALS, ASSEMBLIES AND METHOD OF CONSTRUCTION REGULATED BY THE CODE AND NOT LISTED ABOVE SHALL BE SUBJECT TO SEMI CONTROLLED INSPECTION BY THE PERSON SUPERINTENDING THE CONSTRUCTION.
    C. SIGNED COPIES OF ALL TESTS AND INSPECTION REPORTS SHALL BE FILED THROUGH THE ARCHITECT WITH THE DEPT.
13. DUCT FIRE RETARDING – DUCTS TO BE FIRE RETARDED AS PER PLANS AND TO BE FIRESTOPPED AT EACH TIER WITH 2" MINERAL WOOL. MAINTAIN 1/2" CLEARANCE BETWEEN DUCTS AND SHEETROCK.
    A. ADMINISTRATION
    1. ALL MATERIALS, ASSEMBLIES, FORMS, 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
        b) SHALL HAVE BEEN ACCEPTED FOR USE UNDER THE PRESCRIBED CODE TEST METHODS BY THE COMMISSIONER, OR
        c) APPROVED BY THE BOARD OF STANDARDS AND APPEALS, OR BY THE M.E.A. DIVISION OF THE BUILDING DEPARTMENT.
    2. AT LEAST 24 HOURS WRITTEN NOTICE SHALL BE GIVEN TO THE COMMISSIONER BEFORE THE COMMENCEMENT OF WORK.
    B. INSPECTION REQUIREMENTS
    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. TEST REPORT AND CERTIFICATE OF INSPECTION SHALL BE FILED WITH THE BUILDING DEPT.
    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 THE CONSTRUCTION. SIGNED COPIES OF ALL TEST AND INSPECTION REPORTS SHALL BE FILED THROUGH THE ARCHITECT WITH THE BUILDING DEPT.
    C. FIRE PROTECTION CONSTRUCTION REQUIREMENTS
    1. ALL MATERIALS OR ASSEMBLIES REQUIRED TO HAVE A FIRE RESISTANCE RATING SHALL COMPLY WITH THE FOLLOWING:
        a) IT SHALL CONFORM WITH THE NFBU "FIRE RESISTANCE RATING", OR
        b) IT SHALL HAVE BEEN TESTED IN ACCORDANCE WITH THE ASTM E-199 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. OPENING PROTECTIVES INCLUDING FRAMES, SELF-CLOSING DEVICES AND HARDWARE SHALL COMPLY WITH ASTM E-108, "STANDARD METHODS OF FIRE TEST OF DOOR ASSEMBLIES" AND ASTM E-163.
    3. INTERIOR FINISH: MATERIAL SHALL BE CLASSIFIED IN ACCORDANCE WITH THE SURFACE FLAME-SPREAD RATING OBTAINED AS PRESCRIBED IN ASTM E-84 "STANDARD METHOD OF TEST FOR SURFACE BUILDING CHARACTERISTICS OF BUILDING MATERIALS." INTERIOR FINISH SHALL BE GROUPED INTO THE CLASSES OF THESE SCHEDULES:

INTERIOR FINISH CLASS	/FLAME SPREAD CLASS
A	0-25
B	26-75
C	76-225
D	OVER 225

INTERIOR FINISH EXCEPT FINISH FLOORING AND FLOOR COVERING, WALL COVERINGS LESS THAN 0.036" IN TOTAL THICKNESS, SHALL HAVE A FLAME SPREAD RATING NOT GREATER THAN THAT LISTED.

EXAMINED FOR ZONING RESOLUTIONS AND LAWS 2 OF 1968
OCT 14 2016
BRANCH MANAGER

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Gerald J. Caliendo, R.A., A.I.A.
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800 College Point Blvd
College Point, NY 11356

LMW Engineering
125 Lexington Ave.
Linden, NJ 07036

OWNER:
NICK GANDHI
1300 Tunnelle Avenue
North Bergen, NJ 07047

DRAWING TITLE: Zoning Sheet & Building Info
PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY
DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO.: 15109
SCALE: AS NOTED
DATE: 4/1/16

NO.	DATE	REVISION

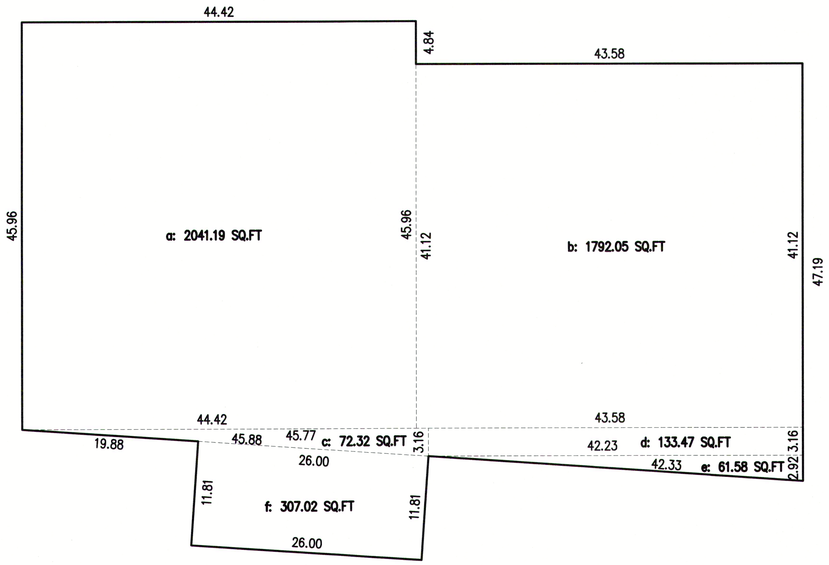
SEAL: GERALD J. CALIENDO REGISTERED ARCHITECT STATE OF NEW YORK 022024

DEPT BLDGS Job No: 220517527
Scan Code ESHS5147042

DOB:

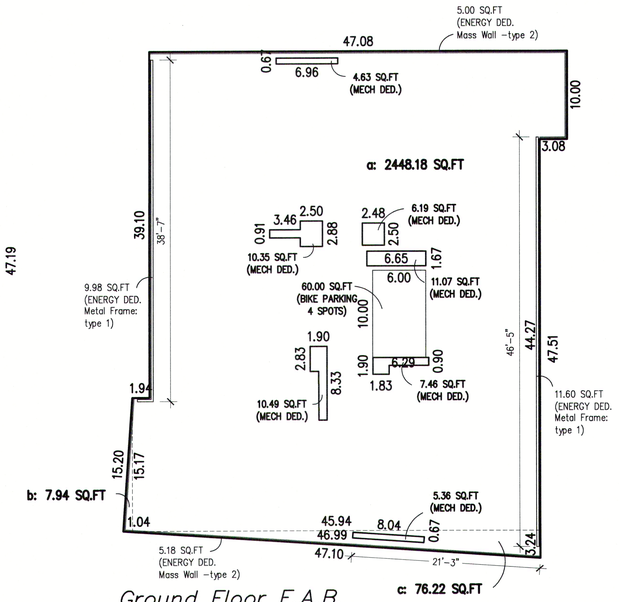
DRAWING No.: 2 OF 30

Z-100.00



Cellar F.A.B.
SCALE: 1/8"=1'-0"

a + b + c + d + e + f = GROSS FLOOR AREA: 4,407.67 SQ.FT.



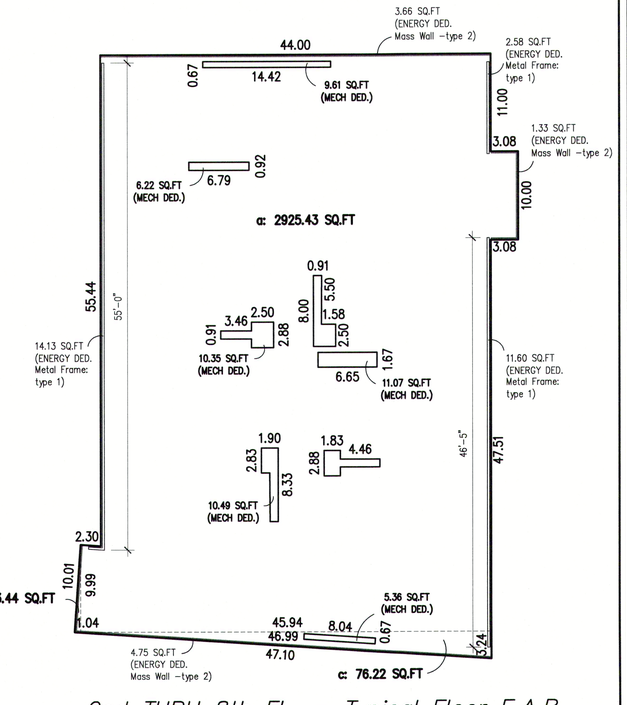
Ground Floor F.A.B.
SCALE: 1/8"=1'-0"

a + b + c = GROSS FLOOR AREA: 2,532.32 SQ.FT.

MECH. DEDUCTIONS: 55.59 SQ.FT.

ENERGY DEDUCTIONS: 31.76 SQ.FT.

BIKE PARKING: 60.00 SQ.FT. (4 SPOTS)



2nd THRU 8th FL. – Typical Floor F.A.B.
SCALE: 1/8"=1'-0"

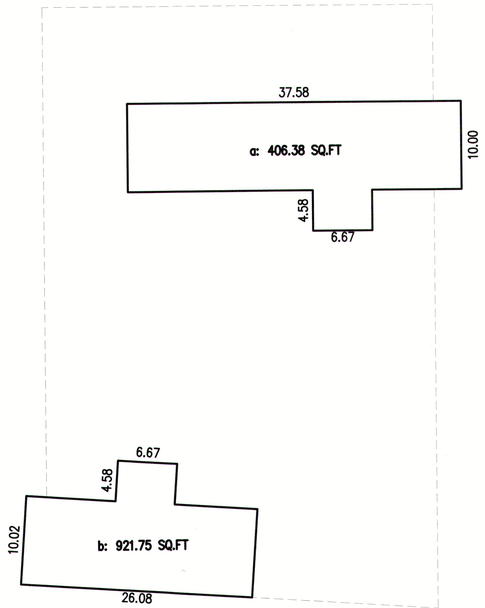
a + b + c = GROSS FLOOR AREA: 3,004.93 SQ.FT. x 7 FLOORS => 21,034.51 SQ.FT.

MECH. DEDUCTIONS: 73.57 SQ.FT. x 7 FLOORS => 514.99 SQ.FT.

ENERGY DEDUCTIONS: 38.02 SQ.FT. x 7 FLOORS => 266.14 SQ.FT.

NOTE: ENERGY DEDUCTIONS CALCULATIONS AS PER SHEET EN-100, 110 & 120

*** REFER TO SHEET EN-100 FOR EXTERIOR WALL DEDUCTION CALCULATIONS ***



Roof F.A.B.
SCALE: 1/8"=1'-0"

a + b = GROSS FLOOR AREA: 583.14 SQ.FT.

Floor	Gross Building F.A.	Deductions			Net Commercial F.A.
		Zoning	**Energy	Mechanical	
Cel	4,407.67	* 4,407.67	0.00	0.00	0.00
1	2,532.32	60.00	31.76	55.59	2,396.26
2	3,004.93	0.00	38.02	73.57	2,906.91
3	3,004.93	0.00	38.02	73.57	2,906.91
4	3,004.93	0.00	38.02	73.57	2,906.91
5	3,004.93	0.00	38.02	73.57	2,906.91
6	3,004.93	0.00	38.02	73.57	2,906.91
7	3,004.93	0.00	38.02	73.57	2,906.91
8	3,004.93	0.00	38.02	73.57	2,906.91
ROOF	583.14	* 583.14	0.00	0.00	0.00
Total	28,557.64	5,050.81	297.90	570.58	22,638.35

** **NOTE:** ENERGY DEDUCTIONS AS PER " ZR-12-10: FLOOR AREA (12) (ii)"

PROPOSED DESIGN VALUE	CODE PRESCRIPTIVE VALUE
METAL FRAME WALL – TYPE 1	
5½" R-19 + 2½" R-15 ci INSULATION EFFECTIVE = R-7.1 + R+15 U-FACTOR= 1/R = 1/19.6 = 0.045	REQUIRE MIN 3½" R-13 + 1½" R-7.5 ci INSULATION U-FACTOR= 0.064
MASS WALL – TYPE 2	
2½" R-15 ci INSULATION U-FACTOR= 1/R = 1/12 = 0.066	REQUIRE MIN R-11.4 ci INSULATION U-FACTOR= 0.090
METAL FRAME WALL: CAVITY: 5½" – 3½" = 2" RIGID: 2½" – 1½" = 1"	
MASS WALL: RIGID: 2½" – 1½" = 1"	

TOTAL 3" FOR METAL FRAME
1" FOR MASS WALL CAN BE USED
FOR ZONING FLOOR AREA DEDUCTIONS

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB M.D. 2008-1979
OCT 14 2016
AKINTOYE AKINFENWA

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North Bergen, NJ 07047

DRAWING TITLE: Floor Area Breakdown
PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY
DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO.: 15109
SCALE: AS NOTED
DATE: 4/1/16
REVISION
DATE
NO.
SEAL: REGISTERED ARCHITECT GERALD J. CALIENDO 026024 STATE OF NEW YORK
DEPT BLDGS Job No. 220517527
Scan Code ESHS0953888
DOB:
DRAWING No.: 3 OF 30

Z-110.00

FLOOD ZONE DATA:

Enter an address to view effective and updated flood risk information for that location:
1164 wheeler ave bronx Get Details Clear Details
Approximate Address Identified: *1164 Wheeler Ave, Bronx, New York, 10472*



Updated FEMA Flood Hazard Data

FEMA flood hazard data currently available for coastal areas of New York and New Jersey is provided below to help you understand the current flood risk to your property and to guide Sandy recovery and rebuilding efforts.
Note: This tool provides flood zone and Base Flood Elevation (BFE) information for areas affected by coastal flood risk. However, riverine flood zone information will also be returned by the tool in communities where preliminary FIRMs have been released.

Attribute Name	Attribute Value
What is the most recent FEMA flood hazard data source available for this location?	Preliminary Flood Insurance Rate Map (FIRM)
What is my property's Base Flood Elevation (BFE)? (For AO Zones, this flood depth will be shown instead of an elevation. For N/A results, please contact your local floodplain administrator for more information.)	N/A
What is my property's Flood Zone? (For N/A results, please contact your local floodplain administrator for more information.)	N/A
What is the estimated ground elevation at this location? (See licensed surveyor for actual elevation of your building)	N/A
What does my FEMA Flood Hazard Map Panel Look Like?	Link to Preliminary FIRM PDF
View your property on our Interactive Web Tool	Link to Web Tool (Note: You will need to enter your address again to zoom to your location in the Web Tool.)
Where can I get the GIS data for my property area?	Link to Preliminary FIRM GIS files

Effective Flood Insurance Data

This information is from the effective Flood Insurance Rate Map for your community. It is used to determine who must buy flood insurance and how much it costs. It may also be used by your community to regulate development in flood prone areas.

Attribute Name	Attribute Value
What is my property's current effective Base Flood Elevation?	N/A
What is my property's current effective Flood Zone?	X

NOTES :

SEISMIC NOTE :
THE DESIGN DETAILS AND NOTES INCLUDED HEREIN ARE IN COMPLIANCE WITH LL #17/95

ECCNYS NOTE :
"TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE ENERGY CONSERVATION CODE OF NEW YORK CITY 2011 USING CHAPTER 5"

NOTE :
1. SIX (1) STREET TREES PROVIDED BY ZR 28-12. EXACT LOCATION TO BE DETERMINED BY DEPARTMENT OF PARKS & RECREATION
2. WRITTEN NOTIFICATION WILL BE MADE TO THE DEPARTMENT OF PARKS & RECREATION PRIOR TO COMMENCEMENT OF SUCH WORK

NOTE :
FULL STREET CURB & SIDEWALK DETAILS SEE BUILDERS PAVEMENT PLAN # 220551720

NOTE :
SEE APPROVED SCQ 1902-1164 FOR SEWER INFORMATION

NOTE :
PROPOSED BUILDING TO BE FULLY SPRINKLERED THROUGHOUT. SPRINKLER APPLICATION TO BE FILED UNDER SEPARATE APPLICATION.

NOTES :
BUILDING ENTRANCES LOCATED WITHIN 250 FT. OF A FIRE HYDRANT.

MINIMUM DRYWELL DISTANCES:
5'-0" FROM ANY LOT LINE
10'-0" FROM ANY FOUNDATION
CONTRACTOR TO OBTAIN LICENSED SURVEYOR TO STAKE-OUT FOUNDATION TO ENSURE BUILDING LOCATION.

EXTERIOR WALLS TO BE MIN. 2 HR FIRE RATED NON-COMBUSTIBLE CONSTRUCTION
G.C. TO PROVIDE 8'-0" TEMPORARY PLYWOOD CONSTRUCTION FENCE AS PER BLDG CODE SPECIFICATIONS

THE EDGE OF THE CURB CUT TO BE MIN. 7'-0" AWAY FROM ANY TREE AND MIN. 5'-0" AWAY FROM ANY STREET SIGN, FIRE HYDRANT OR UTILITY POLE

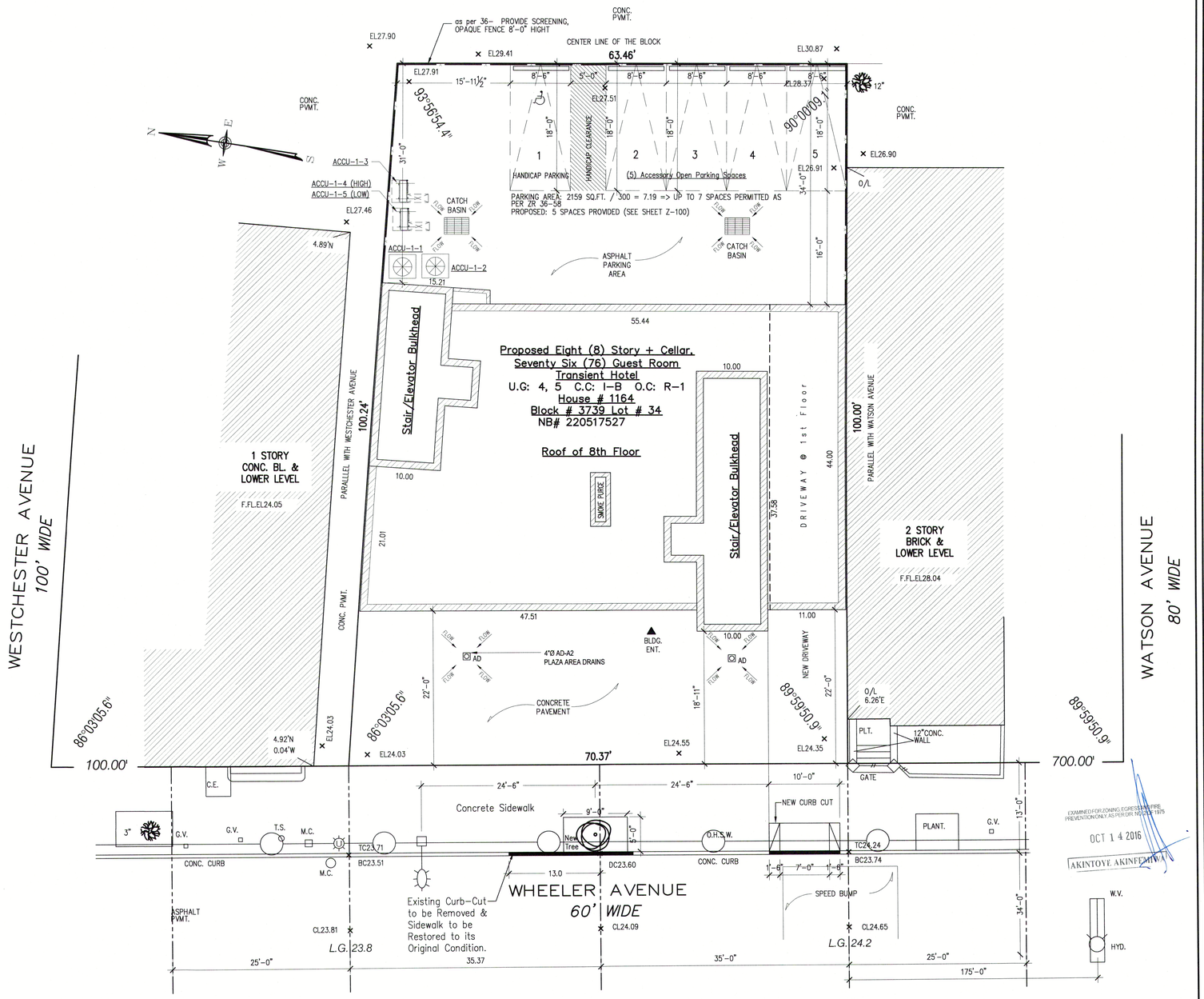
NOTE :
PROPOSED ELEVATOR IS ELECTRICAL.

NOTE :
PROPOSED HOTEL TO HAVE ONLY GUEST ROOMS. NO RETAIL AREA AND/OR RESTAURANT HAVE BEEN PROPOSED.

NOTE :
ANY AREA INTENDED TO BE USED PERMANENTLY FOR AN OPEN ACCESSORY GROUP PARKING FACILITY SHALL BE SURFACED WITH PORTLAND CEMENT CONCRETE AT LEAST 4" THICK. SURFACE SHALL BE MAINTAINED SO AS TO PROVIDE ADEQUATE DRAINAGE.

NOTE :
PROPOSED WORK IS NOT LOCATED IN A FLOOD HAZARD AREA.

NOTE :
THIS PROJECT DOES NOT INCLUDE MODULAR CONSTRUCTION.



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

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OWNER:
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North Bergen, NJ 07047

DRAWING TITLE: Site Plan & Notes
PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY
DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO.: 15109
SCALE: AS NOTED
DATE: 4/1/16

NO.	DATE	REVISION

SEAL:
REGISTERED ARCHITECT GERALD J. CALIENDO 026241 STATE OF NEW YORK

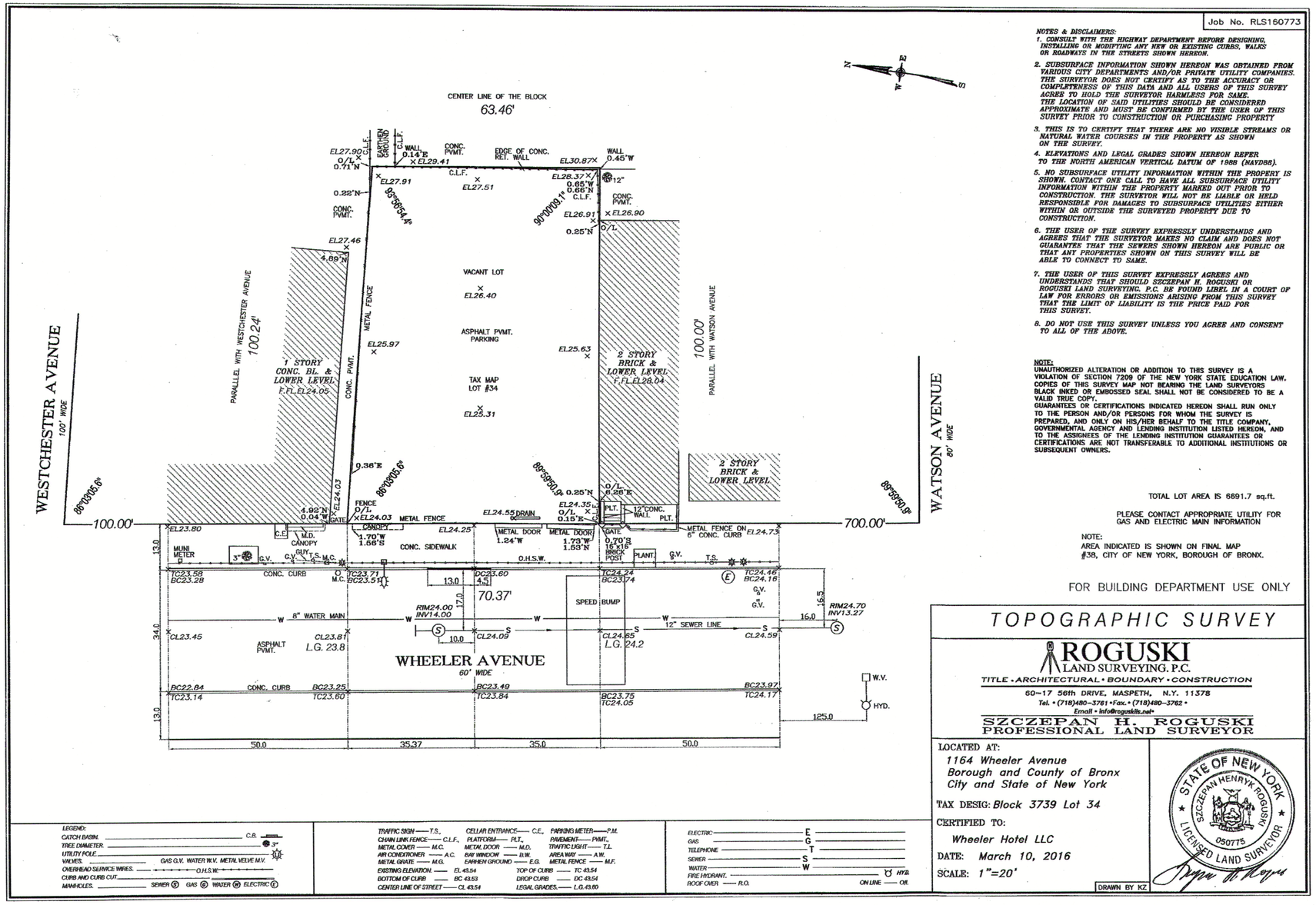
DEPT BLDGS Job No. 220517527
Scan Code ESHS9137435

DOB:

DRAWING No.: 4 OF 30

Z-120.00

Job No. RLS160773



LEGEND:
CATCH BASIN ——— C.B.
TREE DIAMETER ——— 3"
UTILITY POLE ———
VALVES: ——— GAS G.V. WATER W.V. METAL VELVE M.V.
OVERHEAD SERVICE WIRES: ——— O.H.S.W. ———
CURB AND CURB CUT ———
MANHOLES: ——— SEWER (S) GAS (G) WATER (W) ELECTRIC (E)

TRAFFIC SIGN —— T.S., CELLAR ENTRANCE —— C.E., PARKING METER —— P.M.
CHAIN LINK FENCE —— C.L.F., PLATFORM —— PLT., PAVEMENT —— PVMT.,
METAL COVER —— M.C., METAL DOOR —— M.D., TRAFFIC LIGHT —— T.L.
AIR CONDITIONER —— A.C., BAY WINDOW —— B.W., AREA WAY —— A.W.
METAL GRATE —— M.G., EARTHEN GROUND —— E.G., METAL FENCE —— M.F.
EXISTING ELEVATION —— EL 43.54, TOP OF CURB —— TC 43.54
BOTTOM OF CURB —— BC 43.53, DROP CURB —— DC 43.54
CENTER LINE OF STREET —— CL 43.54, LEGAL GRADES —— L.G.43.60

ELECTRIC —— E ——
GAS —— G ——
TELEPHONE —— T ——
SEWER —— S ——
WATER —— W ——
FIRE HYDRANT —— HYD.
ROOF OVER —— R.O. ON LINE —— OH.

NOTES & DISCLAIMERS:

1. CONSULT WITH THE HIGHWAY DEPARTMENT BEFORE DESIGNING, INSTALLING OR MODIFYING ANY NEW OR EXISTING CURBS, WALKS OR ROADWAYS IN THE STREETS SHOWN HEREON.

2. SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FROM VARIOUS CITY DEPARTMENTS AND/OR PRIVATE UTILITY COMPANIES. THE SURVEYOR DOES NOT CERTIFY AS TO THE ACCURACY OR COMPLETENESS OF THIS DATA AND ALL USERS OF THIS SURVEY AGREE TO HOLD THE SURVEYOR HARMLESS FOR SAME. THE LOCATION OF SAID UTILITIES SHOULD BE CONSIDERED APPROXIMATE AND MUST BE CONFIRMED BY THE USER OF THIS SURVEY PRIOR TO CONSTRUCTION OR PURCHASING PROPERTY

3. THIS IS TO CERTIFY THAT THERE ARE NO VISIBLE STREAMS OR NATURAL WATER COURSES IN THE PROPERTY AS SHOWN ON THE SURVEY.

4. ELEVATIONS AND LEGAL GRADES SHOWN HEREON REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

5. NO SUBSURFACE UTILITY INFORMATION WITHIN THE PROPERTY IS SHOWN. CONTACT ONE CALL TO HAVE ALL SUBSURFACE UTILITY INFORMATION WITHIN THE PROPERTY MARKED OUT PRIOR TO CONSTRUCTION. THE SURVEYOR WILL NOT BE LIABLE OR HELD RESPONSIBLE FOR DAMAGES TO SUBSURFACE UTILITIES EITHER WITHIN OR OUTSIDE THE SURVEYED PROPERTY DUE TO CONSTRUCTION.

6. THE USER OF THE SURVEY EXPRESSLY UNDERSTANDS AND AGREES THAT THE SURVEYOR MAKES NO CLAIM AND DOES NOT GUARANTEE THAT THE SEWERS SHOWN HEREON ARE PUBLIC OR THAT ANY PROPERTIES SHOWN ON THIS SURVEY WILL BE ABLE TO CONNECT TO SAME.

7. THE USER OF THIS SURVEY EXPRESSLY AGREES AND UNDERSTANDS THAT SHOULD SZCZEPAN H. ROGUSKI OR ROGUSKI LAND SURVEYING. P.C. BE FOUND LIBEL IN A COURT OF LAW FOR ERRORS OR EMISSIONS ARISING FROM THIS SURVEY THAT THE LIMIT OF LIABILITY IS THE PRICE PAID FOR THIS SURVEY.

8. DO NOT USE THIS SURVEY UNLESS YOU AGREE AND CONSENT TO ALL OF THE ABOVE.

NOTE:
UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYORS BLACK INKED OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. GUARANTEES OR CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON AND/OR PERSONS FOR WHOM THE SURVEY IS PREPARED, AND ONLY ON HIS/HER BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION GUARANTEES OR CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

TOTAL LOT AREA IS 6891.7 sq.ft.

PLEASE CONTACT APPROPRIATE UTILITY FOR GAS AND ELECTRIC MAIN INFORMATION

NOTE:
AREA INDICATED IS SHOWN ON FINAL MAP #38, CITY OF NEW YORK, BOROUGH OF BRONX.

FOR BUILDING DEPARTMENT USE ONLY

TOPOGRAPHIC SURVEY

ROGUSKI
LAND SURVEYING. P.C.
TITLE • ARCHITECTURAL • BOUNDARY • CONSTRUCTION
60-17 56th DRIVE, MASPETH, N.Y. 11378
Tel. • (718)480-3761 • Fax. • (718)480-3762 •
Email • info@roguskils.net•

SZCZEPAN H. ROGUSKI
PROFESSIONAL LAND SURVEYOR

LOCATED AT:
1164 Wheeler Avenue
Borough and County of Bronx
City and State of New York

TAX DESIG: *Block 3739 Lot 34*

CERTIFIED TO:
Wheeler Hotel LLC

DATE: *March 10, 2016*

SCALE: *1"=20'*

DRAWN BY KZ

STATE OF NEW YORK
SZCZEPAN HENRYK ROGUSKI
050775
LICENSED LAND SURVEYOR

EXAMINED FOR ZONING, EGRESS AND FIRE PREVENTION ONLY AS PER DIR. NO.2 OF 1975
OCT 14 2016
AKINTOYE AKINFEMIWA

SURVEY
SCALE: NTS

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OWNER:
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North Bergen, NJ 07047

DRAWING TITLE: Survey

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY:	CHECKED BY:	JOB NO:	SCALE	DATE
SF/MK	GJC	1509	AS NOTED	4/1/16

NO.	DATE	REVISION

SEAL:

DEPT BLDGS Job No. 220517527
Scan Code ESHS0180364

DOB:

DRAWING No: 5 OF 30

Z-130.00

TRAVEL DISTANCES

BC 1014.3 Common Path of Egress Travel
BC 1016.1 Travel Distance Limitations (Table 1016.1)
BC 1018.4 Dead Ends

PATH	DESCRIPTION	1st LEG	2nd LEG	3rd LEG	4th LEG	TOTAL
A	Remote Travel Distance	15'–2"	25'–4"	4'–2"	19'–9"	64'–5"
B	Remote Travel Distance	25–4"	15'–0"	14'–6"	3'–2"	58'–1"

(SPRINKLERED)
<200'–0" => OK
<200'–0" => OK

NOTE: ALL CEILING & WALL FINISH WILL BE PAINT LESS THAN 0.036 inches, THEREFORE IS EXEMPT UNDER EXCEPTION #1 OF BC 803.1

AS PER 2014 BC SECTION BC 1005.1, BC 1004.1.1, BC 1007
(see EXIT AND ACCESS REQUIREMENT SCHEDULE ON SHEET Z–100)

USE	NET FLOOR AREA	TOTAL MAX OCCUPANTS
FITNESS CENTER	241SF / 50	5 ppl
BREAKFAST RM.	FX. SEATS	26 ppl
BUSINESS CENTER	98SF / 100 *	3 ppl
TOTAL OCCUPANTS		34 ppl

* SEE BUSINESS CENTER LAYOUT

Laundry Room Note:
Washing machines must have lint interceptor (or simple removable mesh to capture buttons, etc)

Breakfast Room Note:
No food preperation – Only disposable dishes & utensils to be served

Note:
Contractor to Obtain Licensed Surveyor to Stake–out Foundation to Ensure Building Location.

Note:
See MH/PL Drawings for all Mechanical Room Details –– DOC#03
See Structural Drawings Doc #02

NOTE :
as per BC 1102 & BC 1109: ALL NON–RESIDENTIAL FACILITIES SHALL BE DESIGNED AND CONSTRUCTED TO BE ACCESSIBLE IN ACCORDANCE WITH THIS CODE AND ICC A117.1

(2) WASHING MACHINES:
ALLIANCE LAUNDRY SYSTEM LLC
FRONT MODEL SERIES A– 35
(35 GAL CAP) 208/1/60 22 AMPS
MEA# 66–04–E
UL 2157

(2) DRYERS:
American Dryer Corporation (ADC)
Commercial clothes dryers / Natural gas–fired
Index #200–20 – Gas Dryer

MODEL: ADG–236(D)
MEA 306–87–E Vol. 2
CAPACITY: 160,000 BTU

REFER TO DOC#03 SHEET PL–100 FOR COMPLETE LAUNDRY ROOM EQUIPMENT SPECS

AN AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED IN SPACES IN WHICH TWO OR MORE CLOTHES DRYING MACHINES ARE INSTALLED

TABLE 403.1
NUMBER OF REQUIRED PLUMBING FIXTURES (FOR ACCESSORY CELLAR) FOR 34 PPL / 2 = 17 MEN + 17 WOMEN

NO.	CLASS	OCC.	DESCRIPTION	WATER CLOSETS MALE	WATER CLOSETS FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	BATHTUBS/ SHOWERS	DRINKING FOUNTAIN	OTHER
2	BUSINESS	B	ACCESSORY TO HOTEL	1 PER 20		1 PER 25		–	1 PER 100	SERVICE SINK
PROVIDED (FOR 17 MEN & 17 WOMEN) --->				1 PER GENDER = TOTAL 2 PROVIDED		1 PER GENDER = TOTAL 2 PROVIDED		–	1	2

Cellar Plan
SCALE: 1/4"=1'–0"

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EXAMINED FOR ZONING, EGRESS AND FIRE PREVENTION ONLY AS PER DOB NOTICE OF 1975
OCT 14 2016
AKINTOYE AKINFENWA

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DRAWING TITLE: Cellar Plan

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY:	CHECKED BY:	JOB NO:	SCALE:	DATE:
SF/MK	GJC	15109	AS NOTED	4/1/16

NO.	DATE	REVISION

SEAL:

DOB:

DEPT BLDGS Job No. 220517527
Scan Code ESHS5276937

DRAWING No.: 6 OF 30

A-100.00

TRAVEL DISTANCES

BC 1014.3 Common Path of Egress Travel
BC 1016.1 Travel Distance Limitations (Table 1016.1)
BC 1018.4 Dead Ends

PATH	DESCRIPTION	1st LEG	2nd LEG	3rd LEG	4th LEG	TOTAL	
A	Remote Travel Distance	22'-5"	25'-8"	20'-5"	--	68'-6"	(SPRINKLERED) <200'-0" => OK
B	Remote Travel Distance	12-7"	9'-8"	28'-5"	19'-6"	70'-2"	<200'-0" => OK

NOTE: ALL CEILING & WALL FINISH WILL BE PAINT LESS THAN 0.036 inches, THEREFORE IS EXEMPT UNDER EXCEPTION #1 OF BC 803.1

AS PER 2014 BC SECTION BC 1005.1, BC 1004.1.1, BC 1007
(see EXIT AND ACCESS REQUIREMENT SCHEDULE ON SHEET Z-100)

TOTAL NUMBER OF GUEST ROOMS PER FLOOR	NET FLOOR AREA OF GUEST ROOMS PER FLOOR	OCC. LOAD AS PER HMC 27-2075	TOTAL MAX OCCUPANTS PER FLOOR
7	934.31	80	12 ppl

ACTUAL NUMBER OF OCCUPANTS
GUEST ROOM = 7
RECEPTION = 2
TOTAL = 9

NOTE :
ELEVATOR TO COMPLY WITH EMERGENCY OPERATION & SIGNALING DEVICE REQUIREMENTS OF SECTION 27 OF ASME A17.1 AND SECTION 1109.6. PROVIDE STANDBY POWER IN ACCORDANCE WITH CHAPTER 27 AND SECTION 3003.

Elevator Note:
As per BC 3002.4: STRETCHER ELEVATOR SHALL BE IDENTIFIED BY THE INTERNATIONAL HOSPITAL ACCESS (STAR OF LIFE). THE SYMBOL SHALL NOT BE LESS THAN 3 INCHES (76 MM) AND SHALL BE PLACED ON BOTH JAMBS OF THE HOISTWAY ENTRANCES ON EACH FLOOR.

NOTE :
ALL SLEEPING ROOMS TO BE PROVIDED WITH A 8"X10" SIGN CONTAINING A DIAGRAM SHOWING THE LOCATION WHERE IT IS POSTED AND THE LOCATION OF THE TWO EXIT STAIRS ON THE FLOOR AS REQUIRED BY SECTION 27-395.2 OF THE NYC BC

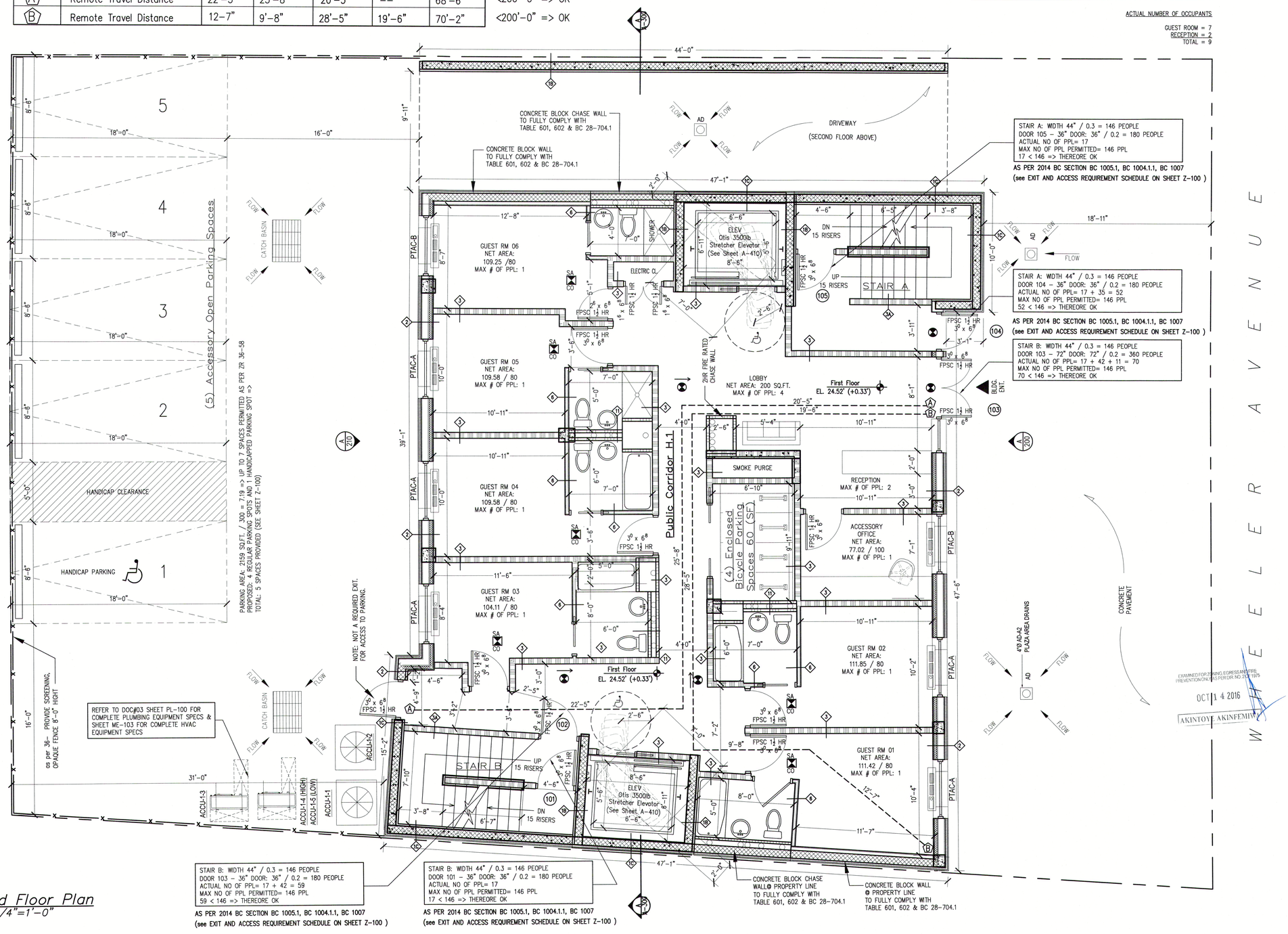
NOTE :
ALL NATURAL LIGHT & VENT AREA COMPLY W/ BC 1203.4 & 1205.2

NOTE :
PROVIDE LUMINOUS EGRESS PATH MARKINGS AS REQUIRED BY BC 1024.

STAIRWAY OPERATION NOTE :
STAIRWAYS SHALL BE PROVIDED WITH UNLOCKED DOORS AS PER BC 403.5.4.

NOTE :
ALL FLOORS SHALL BE SERVED BY AT LEAST ONE ELEVATOR THAT SHALL BE KEPT AVAILABLE FOR IMMDIATE USE BY THE FIRE DEPT. DURING ALL HOURS OF THE NIGHT AND DAY, INCLUDING HOUDAYS, SATURDAYS AND SUNDAYS.

NOTE :
PROVIDE SMOKEPROOF ENCLOSURE AS PER 909.20 POINT 3, AND AS PER 1022.1.
2HR MASONRY EQUIVALENT AND REINFORCED CONCRETE ENCLOSURE PROPOSED AROUND ALL EXIT ENCLOSURES.



Ground Floor Plan
SCALE: 1/4"=1'-0"

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125 Lexington Ave.
Linden, NJ 07036

OWNER:
NICK GANDHI
1300 Tunnelle Avenue
North Bergen, NJ 07047

DRAWING TITLE: Ground Floor Plan
PROJECT ADDRESS: 1164 Wheeler Avenue, Bronx, NY
DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO.: 15109
SCALE: AS NOTED
DATE: 4/1/16

NO.	DATE	REVISION

SEAL: REGISTERED ARCHITECT GERALD J. CALIENDO 022041 STATE OF NEW YORK

DOB: DEPT BLDGS Job No. 220517527
Scan Code ESHS2809807

DRAWING No.: 7 OF 30

A-110.00

TRAVEL DISTANCES

BC 1014.3 Common Path of Egress Travel
BC 1016.1 Travel Distance Limitations (Table 1016.1)
BC 1018.4 Dead Ends

PATH	DESCRIPTION	1st LEG	2nd LEG	3rd LEG	4th LEG	TOTAL	
A	Remote Travel Distance	22'-3"	43'-2"	9'-4"	--	74'-9"	(SPRINKLERED) <200'-0" => OK
B	Remote Travel Distance	22-2"	32'-2"	9'-10"	--	64'-2"	<200'-0" => OK

NOTE: ALL CEILING & WALL FINISH WILL BE PAINT LESS THAN 0.036 inches, THEREFORE IS EXEMPT UNDER EXCEPTION #1 OF BC 803.1

AS PER 2014 BC SECTION BC 1005.1, BC 1004.1.1, BC 1007
(see EXIT AND ACCESS REQUIREMENT SCHEDULE ON SHEET Z-100)

TOTAL NUMBER OF GUEST ROOMS PER FLOOR	NET FLOOR AREA OF GUEST ROOMS PER FLOOR	OCC. LOAD AS PER HMC 27-2075	TOTAL MAX OCCUPANTS PER FLOOR
7	934.31	80	12 ppl

ACTUAL NUMBER OF OCCUPANTS

GUEST ROOM = 11

NOTE :
ALL FLOORS SHALL BE SERVED BY AT LEAST ONE ELEVATOR THAT SHALL BE KEPT AVAILABLE FOR IMMIDATE USE BY THE FIRE DEPT. DURING ALL HOURS OF THE NIGHT AND DAY, INCLUDING HOLIDAYS, SATURDAYS AND SUNDAYS.

STAIRWAY OPERATION NOTE :
STAIRWAYS SHALL BE PROVIDED WITH UNLOCKED DOORS AS PER BC 403.5.3.

NOTE :
PROVIDE SMOKEPROOF ENCLOSURE AS PER 909.20 POINT 3, AND AS PER 1022.1.
2HR MASONRY EQUIVALENT AND REINFORCED CONCRETE ENCLOSURE PROPOSED AROUND ALL EXIT ENCLOSURES.

NOTE :
PROVIDE LUMINOUS EGRESS PATH MARKINGS AS REQUIRED BY BC 1024.

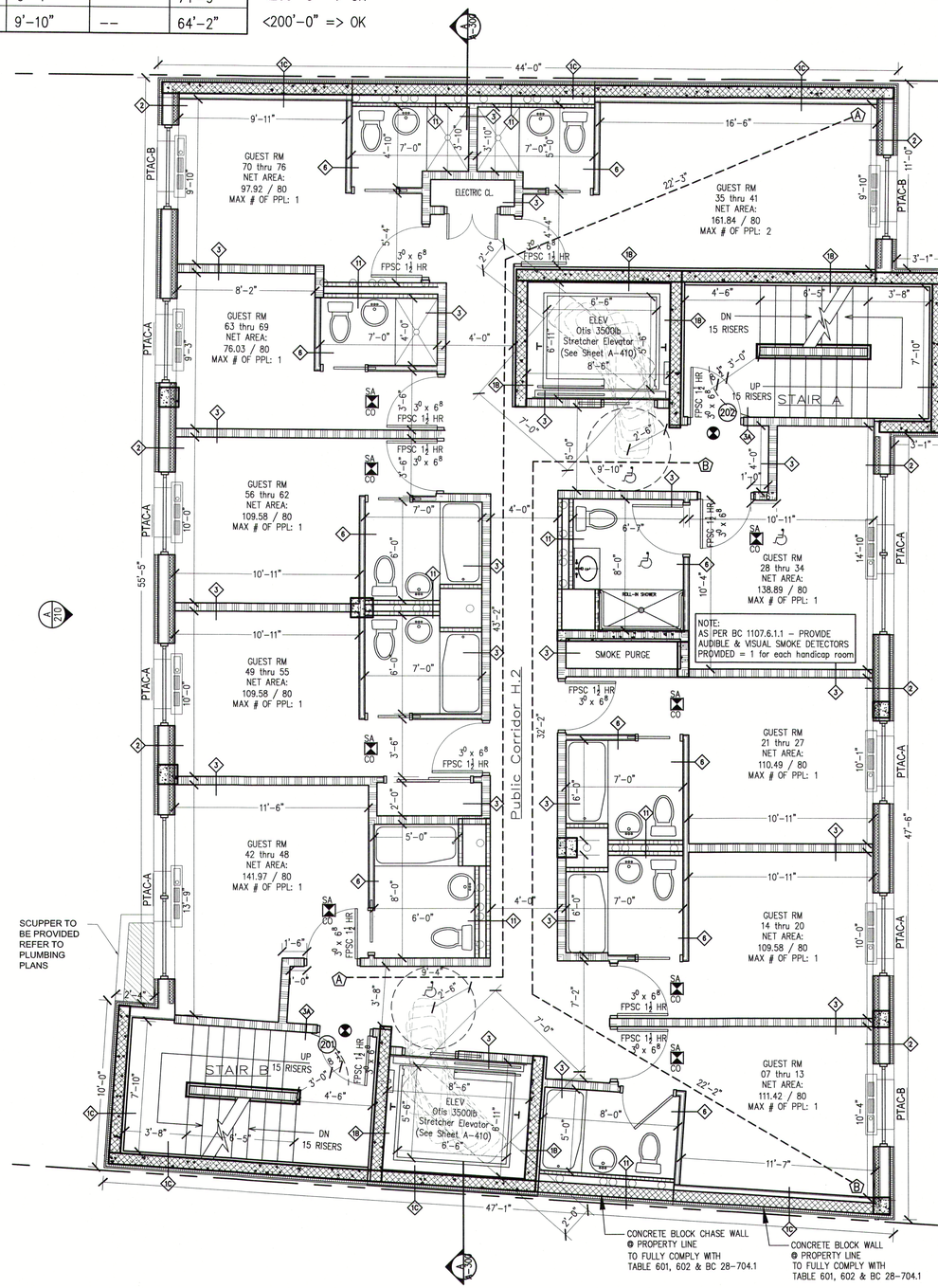
NOTE :
ELEVATOR TO COMPLY WITH EMERGENCY OPERATION & SIGNALING DEVICE REQUIREMENTS OF SECTION 2.27 OF ASME A17.1 AND SECTION 1109.6. PROVIDE STANDBY POWER IN ACCORDANCE WITH CHAPTER 27 AND SECTION 3003.

Elevator Note:
As per BC 3002.4:
STRETCHER ELEVATOR SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL FOR EMERGENCY MEDICAL SERVICES (STAIR OF LIFE). THE SYMBOL SHALL NOT BE LESS THAN 3 INCHES HIGH AND SHALL BE PLACED ON BOTH JAMBS OF THE HOISTWAY ENTRANCES ON EACH FLOOR.

NOTE :
ALL SLEEPING ROOMS TO BE PROVIDED WITH A 8"X10" SIGN CONTAINING A DIAGRAM SHOWING THE LOCATION WHERE IT IS POSTED AND THE LOCATION AND LETTER OF THE EXIT STAIRS ON THE FLOOR AS REQUIRED BY SECTION 27-396.2 OF THE NYC BC

NOTE :
ALL NATURAL LIGHT & VENT AREA COMPLY W/ BC 1203.4 & 1205.2

Note:
See MH/PL Drawings for all Mechanical & HVAC Equipment Specs and Details -- DOC#03
For Structure see Structural Drawings Doc #02



2nd thru 8th Floor Plan
SCALE: 1/4"=1'-0"

EXAMINED FOR ZONING, EGRESS AND FIRE PREVENTION ONLY, AS PER DR. NO. 2 OF 1968
OCT 1 4 2016
AKEITOS AKINFEMIWA

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LMW Engineering
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Linden, NJ 07036

OWNER:
NICK GANDHI
1300 Tunnelle Avenue
North Bergen, NJ 07047

DRAWING TITLE: Typical Floor Plan 2nd thru 8th Floors

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO.: 15109
SCALE: AS NOTED
DATE: 4/1/16

NO. | DATE | REVISION

SEAL: REGISTERED ARCHITECT GERALD J. CALIENDO 016240 STATE OF NEW YORK

DOB:

DEPT BLDGS Job No. 220517527
Scan Code ESHSB878414

DRAWING No.: 8 OF 30

A-120.00



NOTE: ALL CEILING & WALL FINISH WILL BE PAINT LESS THAN 0.036 inches, THEREFORE IS EXEMPT UNDER EXCEPTION #1 OF BC 803.1

Roof Notes :

1. All Roofing Details Shown are to be Considered Schematic due to the Base Bid Roofing and/or any Alternates – See Specifications. Refer to Roofing Manufacturer's Details for Proper Roof Installation Including, but not Limited to, Roof Curbs, Flashing, Drains, Walkways, etc. Required to Complete the Roofing System. All Components Specified by the Chosen Roofing Manufacturer Shall be Provided and Installed as per Manufacturer's Requirements. Details in the National Roofing Contractors Association Roofing Manual may be Considered Acceptable Pending Approval by Roofing Manufacturer.

2. Roof Top Units Shown on This Sheet are for Reference Only. Refer to M/E/P Drawings for Items Not Shown on Architectural Roof Plan.

3. All Roof Top Equipment Openings Through Roof to Have Burglar Bars. Refer to Details and to Note 1 Above.

4. Provide Pitch Pocket and Flashing Around All Roof Openings

NOTE :

ALL FLOORS SHALL BE SERVED BY AT LEAST ONE ELEVATOR THAT SHALL BE KEPT AVAILABLE FOR IMMIDATE USE BY THE FIRE DEPT. DURING ALL HOURS OF THE NIGHT AND DAY, INCLUDING HOLIDAYS, SATURDAYS AND SUNDAYS.

STAIRWAY OPERATION NOTE :

STAIRWAYS SHALL BE PROVIDED WITH UNLOCKED DOORS AS PER BC 403.5.3.

NOTE :

PROVIDE SMOKEPROOF ENCLOSURE AS PER 909.20 POINT 3, AND AS PER 1022.1.
2HR MASONRY EQUIVALENT AND REINFORCED CONCRETE ENCLOSURE PROPOSED AROUND ALL EXIT ENCLOSURES.

NOTE :

PROVIDE LUMINOUS EGRESS PATH MARKINGS AS REQUIRED BY BC 1024.

NOTE :

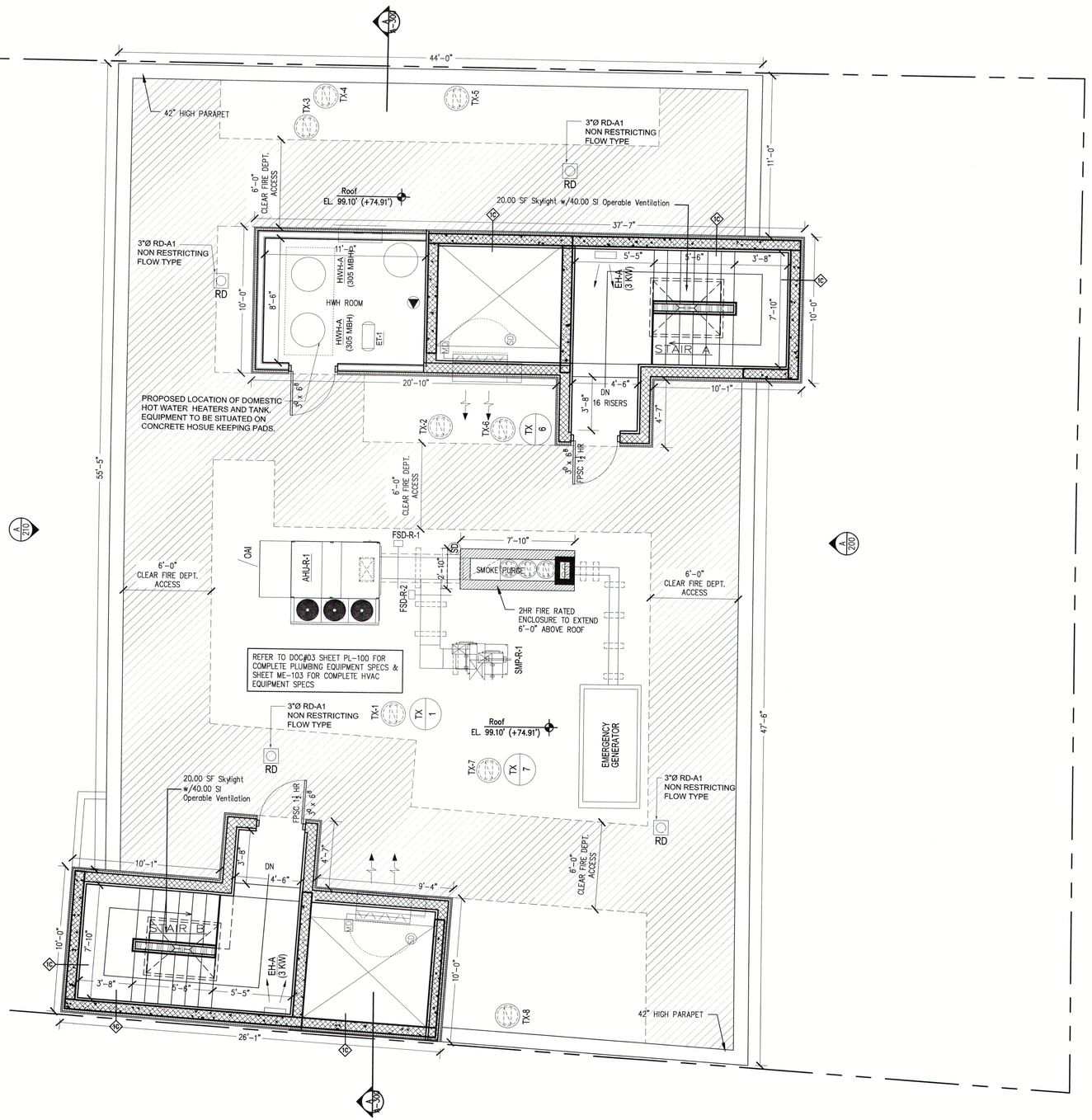
ELEVATOR TO COMPLY WITH EMERGENCY OPERATION & SIGNALING DEVICE REQUIREMENTS OF SECTION 2.27 OF ASME A17.1 AND SECTION 1109.6. PROVIDE STANDBY POWER IN ACCORDANCE WITH CHAPTER 27 AND SECTION 3003.

Elevator Note:

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Note:

See MH/PL Drawings for all Mechanical & HVAC Equipment Specs and Details -- DOC#03
For Structure see Structural Drawings Doc #02



Roof Plan
SCALE: 1/4"=1'-0"

EXAMINED FOR ZONING, EGRESS AND FIRE PREVENTION ONLY AS PER DIR. No. 1 OF 1975
OCT 14 2016
AKINTOYE AKINREMI

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OWNER:
NICK GANDHI
1300 Tunnelle Avenue
North Bergen, NJ 07047

NO.	DATE	REVISION

DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO.: 15109
SCALE: AS NOTED
DATE: 4/1/16

DRAWING TITLE: Roof Plan

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

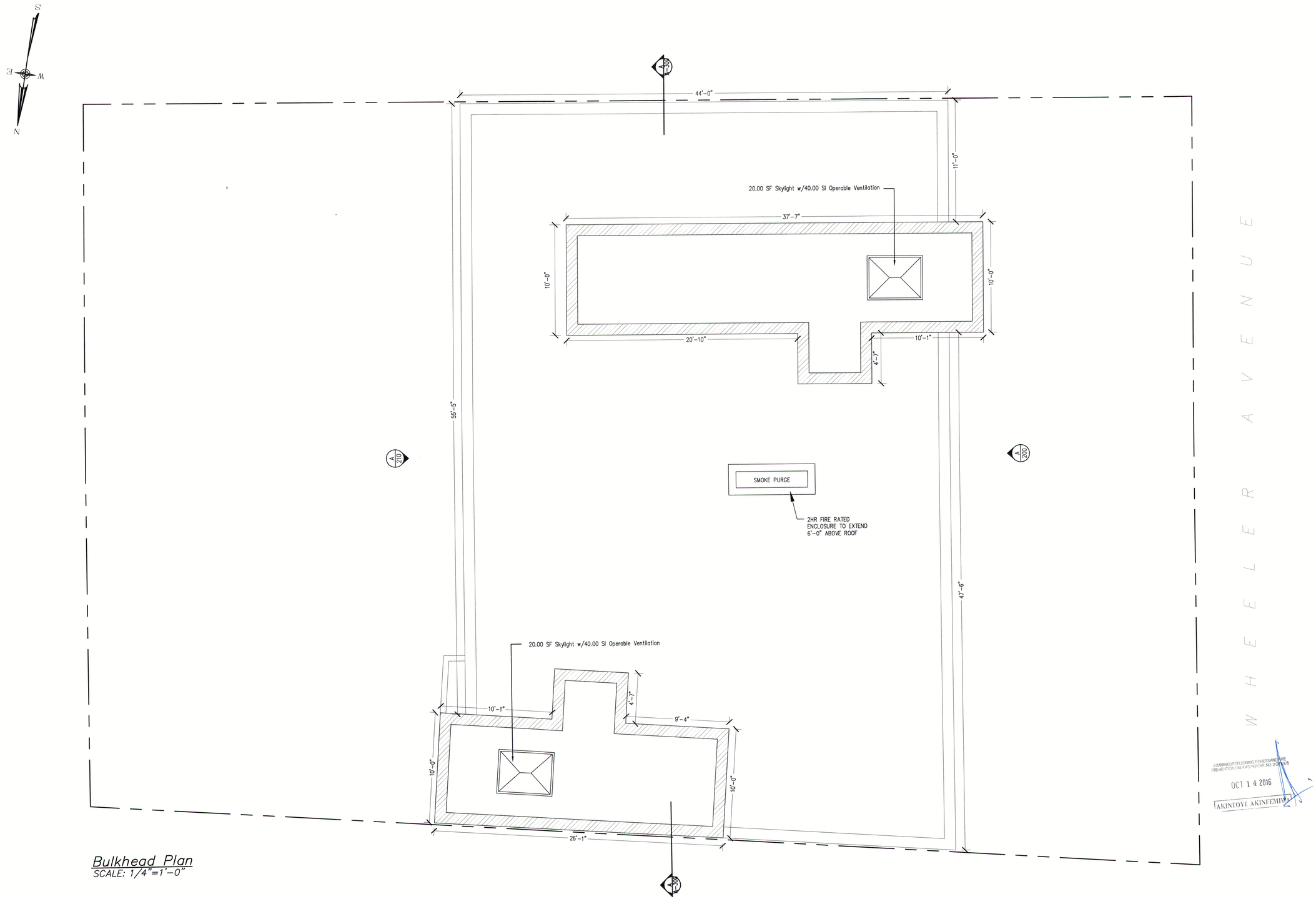
SEAL: REGISTERED ARCHITECT GERALD J. CALIENDO 020241 STATE OF NEW YORK

DOB:

DEPT BLDGS Job No. 220517527
Scan Code ESHS2725777

DRAWING No.: 9 OF 30

A-130.00



Bulkhead Plan
SCALE: 1/4"=1'-0"

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DRI NO 2016-1525
OCT 14 2016
AKINTOYE AKINFEMIWA

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125 Lexington Ave.
Linden, NJ 07036

OWNER:
NICK GANDHI
1300 Tunnelle Avenue
North Bergen, NJ 07047

DRAWING TITLE: Bulkhead Plan

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO.: 15109
SCALE: AS NOTED
DATE: 4/1/16

NO.	DATE	REVISION

SEAL:

REGISTERED ARCHITECT GERALD J. CALIENDO 026241 STATE OF NEW YORK

DOB:

DEPT BLDGS Job No. 220517527
Scan Code ESHS3851084

DRAWING No.: 10 OF 30

A-140.00



FRONT ELEVATION – WHEELER AVE.
SCALE: 1/4"=1'-0"

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OWNER:
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North Bergen, NJ 07047

NO.	DATE	REVISION

SEAL:

REGISTERED ARCHITECT GERALD J. CALIENDO STATE OF NEW YORK 13606

DEPT BLDGS Job No. 220517527
Scan Code ESHS3661948

DOB:

DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO: 15109
SCALE: AS NOTED
DATE: 4/1/16

DRAWING TITLE: Front Elevation – Wheeler Ave.

PROJECT ADDRESS:
1164
Wheeler Avenue
Bronx, NY

DRAWING No.: 11 OF 30

A-200.00

REAR ELEVATION
SCALE: 1/4"=1'-0"

EXAMINED FOR ZONING, EGRESS AND FIRE PREVENTION ONLY AS PER ORDER 2 OF 1975
OCT 14 2016
AKINTOYE AKINREMI

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OWNER:
NICK GANDHI
1300 Tunnelle Avenue
North Bergen, NJ 07047

NO.	DATE	REVISION

SEAL:

REGISTERED ARCHITECT GERALD J. CALIENDO 020241 STATE OF NEW YORK

DOB: DEPT BLDGS Job No. 220517527
Scan Code FS\HS650515\S

DRAWING No.: 12 OF 30

A-210.00

DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO.: 15109
SCALE: AS NOTED
DATE: 4/1/16

DRAWING TITLE: Rear Elevation

PROJECT ADDRESS:
1164 Wheeler Avenue
Bronx, NY

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Linden, NJ 07036

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NICK GANDHI
1300 Tunnelle Avenue
North Bergen, NJ 07047

NO.	DATE	REVISION

SEAL: REGISTERED ARCHITECT GERALD J. CALIENDO NEW YORK 020124 STATE OF NEW YORK

DEPT BLDGS Job No. 220517527
Scan Code ESHS7366575

DOB:

DRAWING No.: 13 OF 30

A-300.00

DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO: 15109
SCALE: AS NOTED
DATE: 4/1/16

DRAWING TITLE: Section A

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

OCT 14 2016
AKINTOLA AKINFEMIWA

EXAMINED FOR ZONING, EGRESS AND FIRE ONLY AS PER DR NO. 3 OF 1975

COMcheck Software Version 4.0.2.3

Envelope Compliance Certificate

Project Information

Energy Code:	2014 New York Energy Conservation Construction Code
Project Title:	
Location:	Bronx County, New York
Climate Zone:	4a
Project Type:	New Construction
Vertical Glazing / Wall Area:	13%

Construction Site:	Owner/Agent:	Designer/Contractor:
1164 WHEELER AVE BRONX, NY 10472	NICK GANDHI 1164 WHEELER AVE NY	GERALD J. CALIENDO 138-72 QUEENS BLVD. BRIARWOOD, NY 11435 718-268-9098 NATALY@CALIENDOARCHITECTS.COM

Building Area	Floor Area
1-Hotel : Residential	28558

Additional Efficiency Package

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
ROOF - 1: Insulation Entirely Above Deck, [Bldg. Use 1 - Hotel]	3005	---	25.0	0.039	0.039
ROOF - 2: Insulation Entirely Above Deck, [Bldg. Use 1 - Hotel]	2119	---	25.0	0.039	0.039
SOUTH ELEVATION - WALL - 1: Concrete Block 12", Solid Grouted, Light Density, Furring: Metal, [Bldg. Use 1 - Hotel]	4207	0.0	15.0	0.054	0.090
DOOR: Insulated Metal, Swinging, [Bldg. Use 1 - Hotel]	23	---	---	0.450	0.810
EAST ELEVATION - WALL - 1: Concrete Block 12", Solid Grouted, Light Density, Furring: Metal, [Bldg. Use 1 - Hotel]	996	0.0	15.0	0.054	0.090
EAST ELEVATION - WALL - 2: Steel-Framed, 16" o.c., [Bldg. Use 1 - Hotel]	4299	19.0	15.0	0.041	0.064
OPERABLE FENESTRATION: Metal Frame with Thermal Break,Operable, Perf. Specs.: Product ID N/A, SHGC 0.40, [Bldg. Use 1 - Hotel] (b)	1150	---	---	0.450	0.450
ENTRANCE DOOR: Glass (> 50% glazing) Metal Frame, Entrance Door, Perf. Specs.: Product ID N/A, SHGC 0.40, [Bldg. Use 1 - Hotel] (b)	37	---	---	0.770	0.770
DOOR: Glass (> 50% glazing) Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID N/A, SHGC 0.40, [Bldg. Use 1 - Hotel] (b)	23	---	---	0.450	0.770
NORTH ELEVATION - WALL - 1: Concrete Block 12", Solid Grouted, Light Density, Furring: Metal, [Bldg. Use 1 - Hotel]	4235	0.0	15.0	0.054	0.090
DOOR: Insulated Metal, Swinging, [Bldg. Use 1 - Hotel]	23	---	---	0.450	0.810
WEST ELEVATION - WALL - 1: Concrete Block 12", Solid Grouted, Light Density, Furring: Metal, [Bldg. Use 1 - Hotel]	1013	0.0	15.0	0.054	0.090
WEST ELEVATION - WALL - 2: Steel-Framed, 16" o.c., [Bldg. Use 1 - Hotel]	4045	19.0	15.0	0.041	0.064
OPERABLE FENESTRATION: Metal Frame with Thermal Break,Operable, Perf. Specs.: Product ID N/A, SHGC 0.40, [Bldg. Use 1 - Hotel] (b)	1156	---	---	0.450	0.450
DOOR: Glass (> 50% glazing) Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID N/A, SHGC 0.40, [Bldg. Use 1 - Hotel] (b)	23	---	---	0.770	0.770
SOUTH Basement Wall: Solid Concrete,12" Thickness, Light Density, Furring: None, Wall Ht 9.3, Depth B.G. 9.3, [Bldg. Use 1 - Hotel]	816	---	7.5	0.089	0.108
EAST Basement Wall: Solid Concrete,12" Thickness, Light Density, Furring: None, Wall Ht 9.3, Depth B.G. 9.3, [Bldg. Use 1 - Hotel]	519	---	7.5	0.089	0.108
NORTH Basement Wall: Solid Concrete,12" Thickness, Light Density, Furring: None, Wall Ht 9.3, Depth B.G. 9.3, [Bldg. Use 1 - Hotel]	814	---	7.5	0.089	0.108
WEST Basement Wall: Solid Concrete,12" Thickness, Light Density, Furring: None, Wall Ht 9.3, Depth B.G. 9.3, [Bldg. Use 1 - Hotel]	547	---	7.5	0.089	0.108
FLOOR ABOVE DRIVEWAY: Concrete Floor (over unconditioned space), [Bldg. Use 1 - Hotel]	473	---	12.0	0.066	0.074

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

Envelope PASSES: Design 3% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2014 New York Energy Conservation Construction Code requirements in COMcheck Version 4.0.2.3 and to comply with the mandatory requirements listed in the Inspection Checklist.

Name - Title _____ Signature _____ Date _____

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COMcheck Software Version 4.0.2.3

Inspection Checklist

Energy Code: 2014 New York Energy Conservation Construction Code

Requirements: 84.0% were addressed directly in the COMcheck software
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR1]*	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES
C406 [PR9]*	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES
C402.3.1 [PR10]*	Vertical fenestration area <= 30 percent of the gross above-grade wall area.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES
C402.3.1 [PR11]*	Skylight area <= 3 percent of the gross roof area.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** N/A NO SKYLIGHTS
C402.3.2 [PR14]*	In enclosed spaces > 10,000 ft2 directly under a roof with ceiling heights >15 ft. and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zonu under skylights is >= half the floor area, (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C402.3.2 [PR15]*	Areas with obstructions that block direct beam sunlight on >= 1/2 of the roof over the enclosed area for more than 1,500 daytime hours per year between 8 am and 4 pm	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Skylights designed to exclude direct sunlight entering the occupied space by the use of fixed or automated baffles.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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PROPOSED DESIGN VALUE	CODE PRESCRIPTIVE VALUE
METAL FRAME WALL – TYPE 1	
5" R-19 + 2" R-15 ci INSULATION EFFECTIVE = R-7.1 + R+15 U-FACTOR= 1/R = 1/18.6 = 0.045	REQUIRE MIN 3" R-13 + 1" R-7.5 ci INSULATION U-FACTOR= 0.064
MASS WALL – TYPE 2	
2" R-15 ci INSULATION U-FACTOR= 1/R = 1/12 = 0.066	REQUIRE MIN R-11.4 ci INSULATION U-FACTOR= 0.090
METAL FRAME WALL	CAVITY: 5" – 3" = 2" RIGID: 2" – 1" = 1"
MASS WALL	RIGID: 2" – 1" = 1"

TOTAL 3" FOR METAL FRAME
1" FOR MASS WALL CAN BE USED
FOR ZONING FLOOR AREA DEDUCTIONS

ZR 12–10 (12)(ii)(1,2) – Exterior Wall Deduction – Wall Performance Analysis

Elevation	Type	Area	U-Factor (proposed)	UA (proposed)	U-Factor (Code)	UA (Code)
South	Type–1 Masonry wall	4,207	0.066	277.66	0.090	378.63
West	Type–1 Masonry wall	996	0.066	65.73	0.090	89.64
	Type–2 Metal Frame Wall	4,299	0.045	193.45	0.064	275.14
North	Type–1 Masonry wall	4,235	0.066	279.51	0.090	381.15
East	Type–1 Masonry wall	1,013	0.066	66.85	0.090	91.17
	Type–2 Metal Frame Wall	4,045	0.045	182.02	0.064	258.88
Opaque Wall Total		18,292	0.066	1,065.22		1,474.61
Fenestration Wall Total		2,388	0.450	1,074.60	0.400	955.20
Exterior Gross Wall Total		20,680		2,139.82		2,429.81

Energy Efficiency of Opaque Wall comparing Proposed with Code Requirement : Max 80%
Proposed/Code =1,065.22 /1,474.61 X 100 = **72.22 %**

Energy Efficiency of Gross Wall comparing Proposed with Code Requirement : Max 90%
Proposed/Code =2,139.82 /2,429.81 X 100 = **88.06 %**

Section # & Req.ID	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
C402.2.4 [FO1]*	**Below-grade wall insulation R-value.**	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable:	**See the Envelope Assemblies table for values.**
C303.2 [FO2]*	**Below-grade wall insulation installed per manufacturer's instructions.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Requirement will be met.** **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES
C402.2.7, C408.2.8, C404.5 [FO3]*	**Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Requirement will be met.**
C402.2.8 [FO12]*	**Bottom surface of floor structures incorporating radiant heating insulated to >=R-3.5.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**See the Envelope Assemblies table for values.**

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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NOTE: ALL U-FACTORS LISTED BELOW TO BE THE SAME OR SHOULD BE LESS / BETTER THAN PROVIDED.

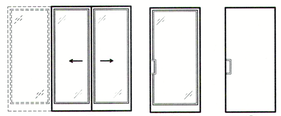
1. Air leakage: Provide flashing, expandable foam sealant, and caulking at rough opening/door frame joints to create a continuous air barrier with surrounding wall system.
2. Door will be field with weather-stripping per ECC Section 502.4.1.

DOOR SCHEDULE

DOOR No.	LOCATION	SIZE	TYPE	MATERIAL	U-FACTOR VALUE	SHGC VALUE	AIR-LEAKAGE RATING	REMARKS
1	ENTRANCE DOOR	5'-4" x 7'-0"	AUTOMATIC SLIDING	STEEL & GLASS	0.77	0.40	< 0.15 cfm/SF	AS PER OWNER
2	ENTRANCE DOOR	3'-0" x 7'-0"	SWING	STEEL & GLASS	0.45	0.40	< 0.15 cfm/SF	AS PER OWNER 1 1/2 HR F.P.S.C.
3	ROOF EXIT DOOR	3'-0" x 7'-0"	SWING	STEEL	N/A	N/A	N/A	AS PER OWNER 1 1/2 HR F.P.S.C.

NOTES:

1. AIR LEAKAGE: PROVIDE FLASHING, WINDOW DAMS, EXPANDABLE FOAM SEALANT, AND CAULKING AT ROUGH OPENING/DOOR FRAME JOINTS TO CREATE A CONTINUOUS AIR BARRIER WITH SURROUNDING WALL SYSTEM.
2. DOORS WILL BE FIELD FITTED WITH WEATHER-STRIPPING PER ECC SECTION 502.4.1



WINDOW SCHEDULE

WINDOWS SPECIFIED AS PER "PELLA" RESIDENTIAL WINDOW CATALOG
CONSULT WITH MANUFACTURER FOR INSTALLATION INSTRUCTIONS OR CONFLICTS

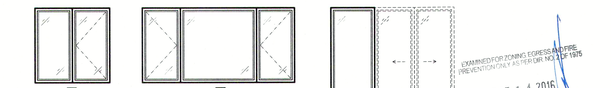
WINDOW No.	LOCATION	R.O. WIDTH	R.O. HEIGHT	TYPE	U-FACTOR VALUE	SHGC VALUE	AIR-LEAKAGE RATING	REMARKS
1	HOTEL DWELLING UNITS	5'-0"	5'-0"	CASEMENT	0.45	0.40	< 0.07 cfm/SF	PARTIAL OPERABLE
2	HOTEL DWELLING UNITS	10'-2"	5'-0"	CASEMENT	0.45	0.40	< 0.07 cfm/SF	PARTIAL OPERABLE
3	HOTEL DWELLING UNITS	2'-11"	7'-0"	CASEMENT	0.45	0.40	< 0.07 cfm/SF	PARTIAL OPERABLE

NOTES:

1. AIR LEAKAGE: PROVIDE FLASHING, WINDOW DAMS, EXPANDABLE FOAM SEALANT, AND CAULKING AT ROUGH OPENING/WINDOW FRAME JOINTS TO CREATE A CONTINUOUS AIR BARRIER WITH SURROUNDING WALL SYSTEM.

2. AIR LEAKAGE: PROVIDE FLASHING, WINDOW DAMS, EXPANDABLE FOAM SEALANT, AND CAULKING AT ROUGH OPENING/WINDOW FRAME JOINTS TO CREATE A CONTINUOUS AIR BARRIER WITH SURROUNDING ROOF SYSTEM.

3. DOOR WILL BE FIELD WITH WEATHER-STRIPPING PER ECC SECTION 502.4.1.



EXAMINED FOR ZONING EGRESS & FIRE PREVENTION ONLY AS PER BC NYC 2014
OCT 14 2016
AKINTOLA AKINKEMI

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
C402.4.1, C402.4.2 [FR16]*	**The building envelope contains a continuous air barrier that is sealed in an approved manner and either constructed or tested in an approved manner. Air barrier penetrations are sealed in an approved manner.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable:	**Requirement will be met.** **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES
C402.4.3, C402.4.4 [FR18]*	**Factory-built fenestration and doors are labeled as meeting air leakage requirements.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable:	**Requirement will be met.**
C402.4.7 [FR17]*	**Vestibules are installed on all building entrances. Doors have self-closing devices.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable:	**Exception:** Requirement does not apply. **Location on plans/spec:** NO VESTIBULES
C402.3.3, C402.3.4 [FR8]*	**Vertical fenestration U-Factor.**	U-____	U-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable:	**See the Envelope Assemblies table for values.**
C402.3.3 [FR13]*	**Vertical fenestration SHGC value.**	SHGC:____	SHGC:____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable:	**See the Envelope Assemblies table for values.**
C303.1.3 [FR12]*	**Fenestration products rated in accordance with NFRC.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable:	**Requirement will be met.**
C303.1.3 [FR13]*	**Fenestration products are certified as to performance labels or certificates provided.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable:	**Requirement will be met.** **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES
C402.2.7 [FR14]*	**U-factor of opaque doors associated with the building thermal envelope meets requirements.**	U-____ ☐ Swinging ☐ Nonswinging	U-____ ☐ Swinging ☐ Nonswinging	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable:	**See the Envelope Assemblies table for values.**

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.4.5.1 [ME3]*	Stair and elevator shaft vents have motorized dampers that automatically close.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES
C402.4.5.2 [ME5&6]*	Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
C402.4.1.1 [IN1]*	**All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with maintain vapor-permeable wrapping material to minimize air leakage.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Requirement will be met.** **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES
C402.A.2.1 [IN2]*	**Roof R-value. For some ceiling systems, verifications may need to occur during framing inspection.**	R-____ ☐ Above deck ☐ Metal ☐ Attic	R-____ ☐ Above deck ☐ Metal ☐ Attic	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**See the Envelope Assemblies table for values.**
C303.2 [IN3]*	**Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is <=3 in 12.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C303.2 [IN7]*	**Above-grade wall insulation installed per manufacturer's instructions.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Requirement will be met.** **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES
C402.2.5 [IN8]*	**Floor insulation R-value.**	R-____ ☐ Mass ☐ Steel ☐ Wood	R-____ ☐ Mass ☐ Steel ☐ Wood	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**See the Envelope Assemblies table for values.**
C303.2 [IN9]*	**Floor insulation installed per manufacturer's instructions.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C303.1 [IN10]*	**Building envelope insulation is interest with R-value or insulation certificate providing R-value and other relevant data.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Requirement will be met.** **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES
C303.2.1 [IN14]*	**Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during Foundation Inspection.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C402.2.3 [IN17]*	**Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Where the ceiling is installed before insulation is installed accordingly.**			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C402.4.6 [FI17]*	Weatherseals installed on all loading dock cargo doors.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. **Location on plans/spec:** NO LOADING DOCKINGS
C402.4.8 [FI26]*	Recessed luminaires in thermal envelope to limit infiltration and be IC rated and labeled. Seal between interior finish and luminaire housing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C406 [FI34]*	Efficient HVAC performance, efficient lighting system, or on-site supply of renewable energy consistent with what is shown the approved plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** SEE A-100-150 AND EN-100-120 FOR NOTES

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB- CONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. GERALD J. CALIENDO ARCHITECT, P.C. AND ITS PRINCIPAL/EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

Gerald J. Caliendo, R.A., A.I.A.
Architect, P.C.

Architecture
Interior Design
Code Consultant
Building Dept. Expediting

138-72 Queens Boulevard
Briarwood N.Y. 11435

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125 Lexington Ave.
Linden, NJ 07036

OWNER:
NICK GANDHI
1300 Tunnelle Avenue
North Bergen, NJ 07047

DRAWING TITLE: Energy Analysis – ComCheck Notes

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY:	CHECKED BY:	JOB NO.:	SCALE:	DATE:
SF/MK	GJC	15109	AS NOTED	4/1/16

NO.	DATE	REVISION

SEAL:

DEPT BLDGS Job No. 220517527
Scan Code ESHS0200163

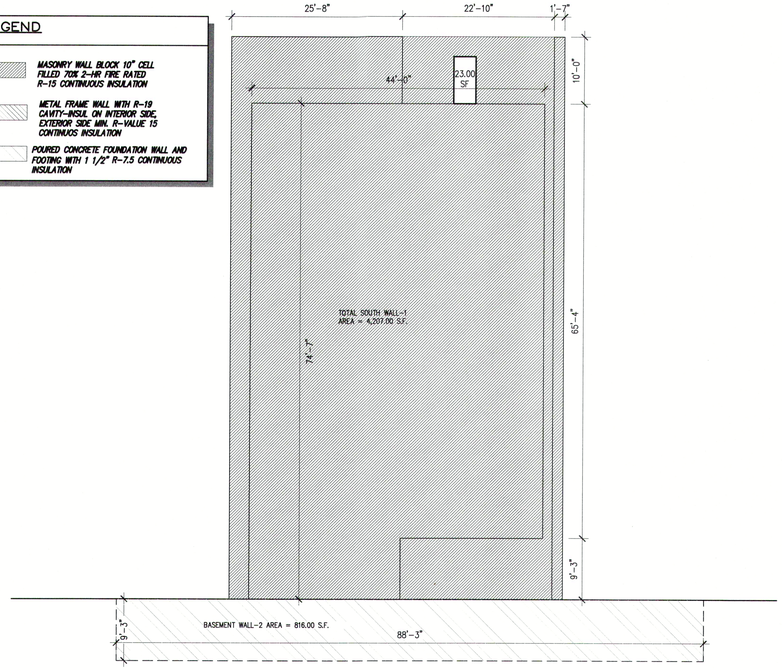
DOB:

DRAWING No.: 14 OF 30

EN-100.00

LEGEND

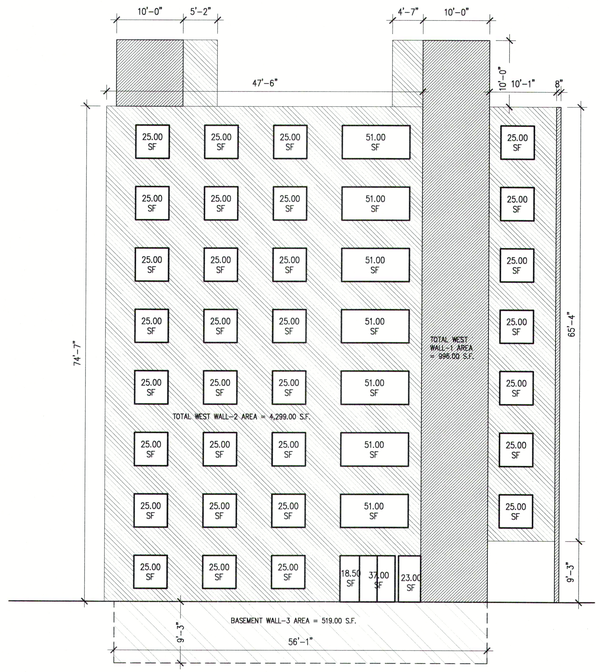
1. MASONRY WALL BLOCK 10" CELL FILLED 70# 2-HR FIRE RATED R-15 CONTINUOUS INSULATION
2. METAL FRAME WALL WITH R-19 CAVITY-INSUL ON INTERIOR SIDE, EXTERIOR SIDE MIN. R-VALUE 15 CONTINUOUS INSULATION
3. POURED CONCRETE FOUNDATION WALL AND FOOTING WITH 1 1/2" R-7.5 CONTINUOUS INSULATION



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

AREA BREAKDOWN

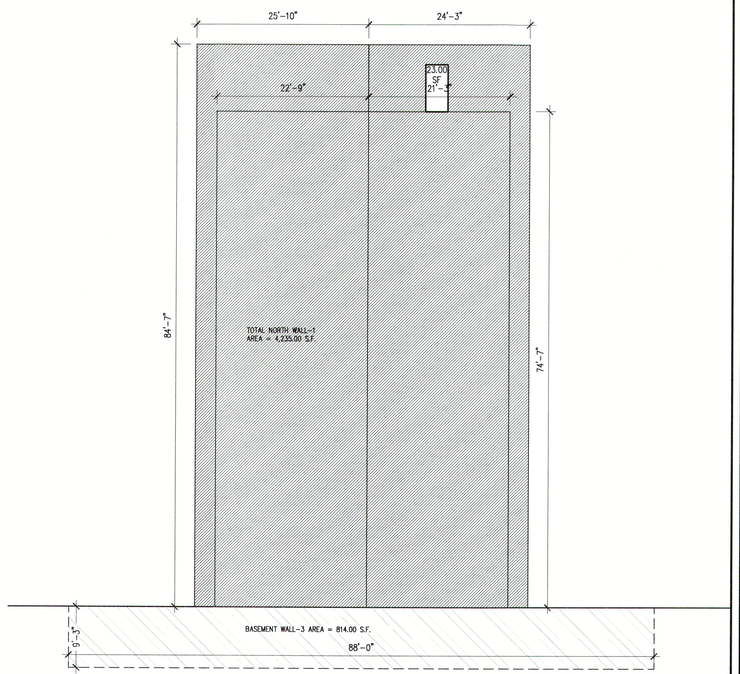
TOTAL SOUTH WALL-1 AREA = 4,207.00 S.F.
BASEMENT WALL-2 AREA = 816.00 S.F.
TOTAL DOOR AREA = 23.00 S.F.



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

AREA BREAKDOWN

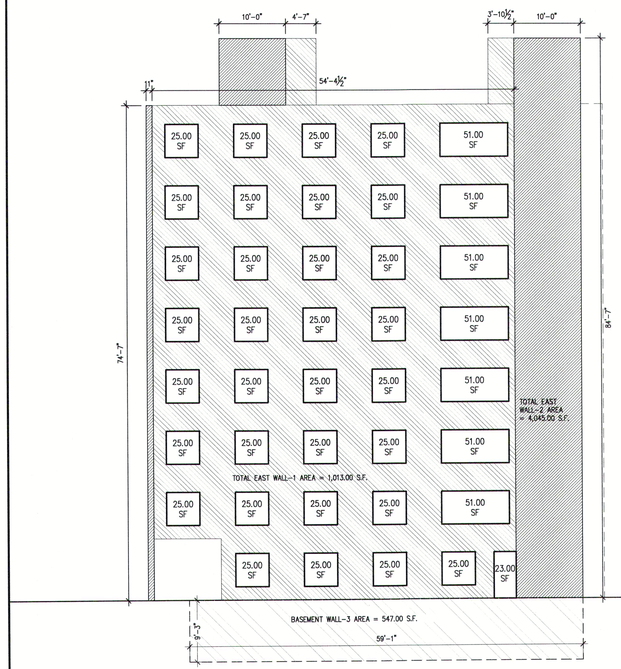
TOTAL WEST WALL-1 AREA = 996.00 S.F.
TOTAL WEST WALL-2 AREA = 4,299.00 S.F.
BASEMENT WALL-3 AREA = 519.00 S.F.
ENTRANCE DOOR = 37.00 S.F.
DOOR = 23.00 S.F.
OPERABLE FENESTRATION = 1,149.50 S.F.



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

AREA BREAKDOWN

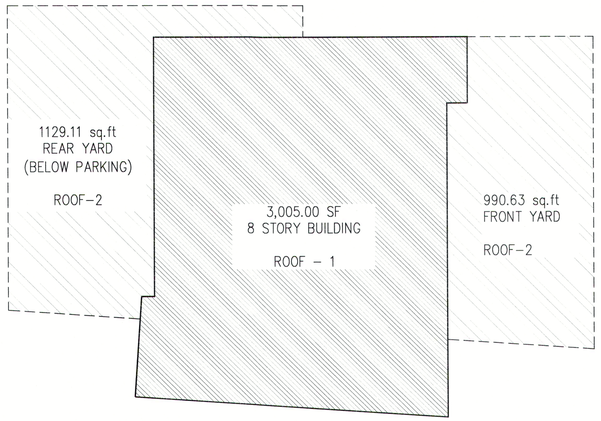
TOTAL NORTH WALL-1 AREA = 4,235.00 S.F.
BASEMENT WALL-3 AREA = 814.00 S.F.
TOTAL DOOR AREA = 23.00 S.F.



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

AREA BREAKDOWN

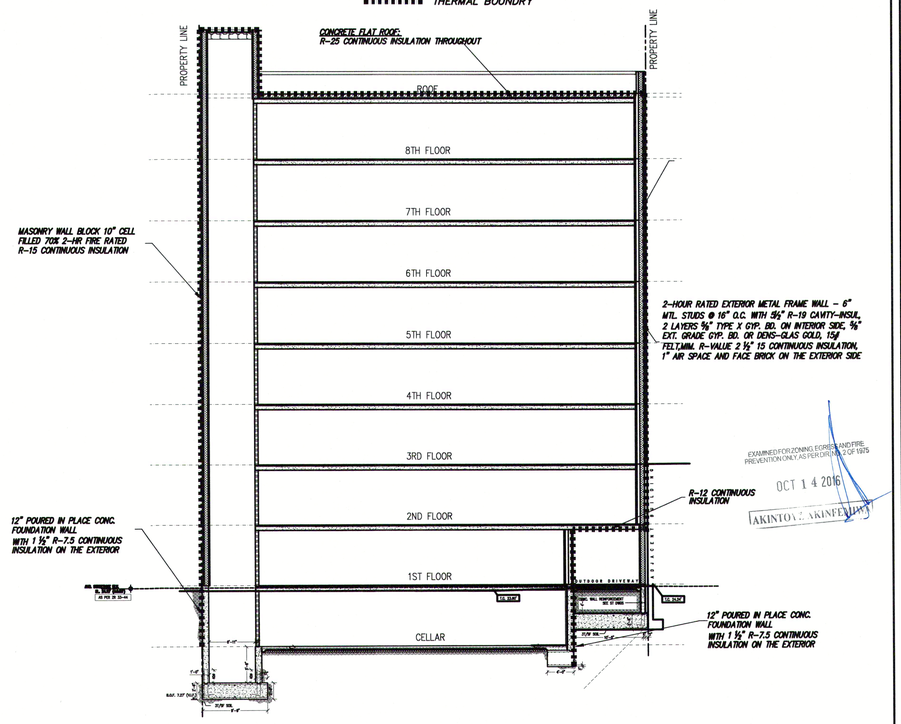
TOTAL EAST WALL-1 AREA = 1,013.00 S.F.
TOTAL EAST WALL-2 AREA = 4,045.00 S.F.
BASEMENT WALL-3 AREA = 547.00 S.F.
DOOR = 23.00 S.F.
OPERABLE FENESTRATION = 1,156.00 S.F.



AREA BREAKDOWN

ROOF - 1 = 3,005.00 S.F.
ROOF - 2 = 2,119.74 S.F.

THERMAL BOUNDRY



THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. GERALD J. CALIENDO ARCHITECT, P.C. AND ITS PRINCIPAL/EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

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DRAWING TITLE: Energy Analysis - Area Breakdown

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY:	CHECKED BY:	JOB NO.:	SCALE:	DATE:
SF/MK	GJC	15109	AS NOTED	4/1/16

NO.	DATE	REVISION

SEAL:

REGISTERED ARCHITECT GERALD J. CALIENDO 020241 STATE OF NEW YORK

DOB:

DEPT BLDGS Job No. 220517527
Scan Code ESHS4972932

DRAWING No.: 15 OF 30

EN-110.00

TABLE II–PROGRESS INSPECTIONS FOR ENERGY CODE COMPLIANCE–COMMERCIAL BUILDINGS

	INSPECTION/TEST	PERIODIC (MINIMUM)	REFENCE STANDARD (SEE ECC CHAPTER 6) OR OTHER CRITERIA	ECC OR OTHER CITATION	THIS INSPECTION REQUIRED YES	NO
IIA	ENVELOPE INSPECTIONS					
IIA1	Protection of exposed foundation insulation: Insulation shall be visually inspected to verify proper protection where applied to the exterior of basement or cellar walls, crawl–space walls and/or the perimeter of slab–on–grade floors.	As required during foundation work and prior to backfill	Approved construction documents	C303.2.1; ASHRAE 90.1 –5.8.1.7	○	●
IIA2	Insulation placement and R– values: Installed insulation for each component of the conditioned space envelope and at junctions between components shall be visually inspected to ensure that the R–values are marked, that such R–values conform to the R–values identified in the construction documents and that the insulation is properly installed. Certifications for unmarked insulation shall be similarly visually inspected.	As required to verify continuous enclosure while walls, ceilings and floors are open	Approved construction documents	C303.1, C303.1.1, C303.1.2, C402.1, C402.2; ASHRAE 90.1 –5.5.5.6 or 11; 5.8.1	●	○
IIA3	Fenestration U–factor and product rating: U–factors of installed fenestration shall be verified by visually inspection for conformance with the U–factors identified in the construction drawings, either by verifying the manufacturer's NFRC labels or, where not labeled, using the ratings in ECC Tables 303.1.1(1) and (2). and(3). Where ASHRAE 90.1 is used, visible light transmittance values shall also be verified	As required during installation	Approved construction drawings; NFRC 100,NFRC 200	C303.1, C303.1.3, C402.3 ASHRAE 90.1 –5.5;5.6 or 11; 5.8.2	●	○
IIA4	Fenestration air leakage: Windows, skylights and sliding or swinging door assemblies, except site built windows, skylights and/ or doors, shall be visually inspected to verify that installed assemblies are listed and labeled by the by the manufacturer to the referenced standard. For curtain wall, storefront glazing, commercial entrance doors and revolving doors, the testing reports shall be reviewed to verify that the installed assembly to compliesiwth the standard cited in the approved plans.	As required during installation; prior to final construction inspection	NFRC 400, AAMA/WDMA/CSA 101/I.S.2/A440 ASTM E283; ANSI/DASMA 105	C402.4.3; ASHRAE 90.1 –5.4.3.2	●	○
IIA5	Fenestration areas: Dimensions of windows, doors and skylights shall be verified by visual inspection.	Prior to final construction inspection	Approved construction documents	C402.3 ASHRAE 90.1 –5.4.3.2	●	○
IIA6	Air sealing and insulation – visual inspection: Openings and penetrations in the building envelope,including site–built fenestration and doors, shall be visually inspected to verify that a continuous air barrier around the envelope forms an air–tight enclosure. The progress inspector shall visually inspect to verify that materials and/or assemblies have been tested and meet the requirements of the respective standards, or that the building is tested and meets the requirements of the standard, in accordance with the standard(s) cited in the approved plans.	As required during construction	Approved construction documents; ASTEM E2178, ASTEM E2357, ASTEM E1677, ASTEM E779, ASTEM E283.	C402.4; ASHRAE 90.1 –5.4.3.1	●	○
IIA7	Projection factors: Where the energy analysis utilized a projection dimensions of overhangs, eaves or permanent attached shading devices shall be verified for conformance with approved plans by visual inspection.	Prior to final construction inspection	Approved construction documents, including energy analysis	C402.3; ASHRAE 90.1 –5.5.4, 5.6 or 11	○	●
IIA8	Loading dock weatherseals: Weatherseals at loading docks shall be visually verfied.	Prior to final construction inspection	Approved construction documents	C402.4.6; ASHRAE 90.1 –5.4.3.3	○	●
IIA9	Building entrance vestibules: Required entrance vestibules shall be visually inspected for proper operation.	Prior to final construction inspection	Approved construction documents	C402.4.7; ASHRAE 90.1 –5.4.3.4	○	●
IIB	MECHANICAL AND SERVICE WATER HEATING INSPECTIONS					
IIB1	Fireplaces: Provision of combustion air and tight–fitting fireplace doors shall be verified by visual inspection.	Prior to final electrical and construction inspection	Approved construction documents; ANSI Z21.60 (see also MC 904), ANSI Z21.50	C402.2.9; IBC 2111; MC Chapters 7, 8, 9; FGC Chapter 6	●	○
IIB2	Shutoff dampers: Dampers for stair and elevator shaft vents and other outdoor air intakes and exhaust openings integral to the building envelope shall be visually inspected to verify that such dampers, except where permitted to be gravity dampers, comply with approved construction drawings. Manufacturer's literature shall be reviewed to verify that the product has been tested and found to meet the standard.	As required during installation	Approved construction documents; AMCA 5000	C403.2.4.4; ASHRAE 90.1–6.4.3.4	●	○
IIB3	HVAC and service water heating equipment: Equipment sizing, efficiencies and other performance factors of all major equipment units, as determined by the applicant of record, and no less than 15% of minor equipment units, shall be verified by visual inspection and, where necessary, review of manufacturer's data. Pool heaters and covers shall be verified by visual inspection.	Prior to final plumbing and construction inspection	Approved construction documents	C403.2, C404.2, C404.7, C406.2; ASHRAE 90.1 –6.3, 6.4.1, 6.4.2, 6.8; 7.4, 7.8	●	○
IIB4	HVAC and service water heating system controls: No less than 20% of each type of required controls and economizers shall be verified by visual inspection and tested for functionality and proper operation. Such controls shall include, but are not limited to: * Thermostatic * Set point overlap restriction * Off–hour * Shutoff damper * Snow–melt system * Demand control systems * Outdoor heating systems * Zones * Economizers * Air systems * Variable air volume fan * Single Zone Cooling Systems * Hydronic systems * Heat rejection equipment fan speed * Complex mechanical systems serving multiple zones * Ventilation * Energy recovery systems	After installation and prior to final electrical and construction inspection, except that for controls with seasonally dependent functionality, such testing shall be performed before sign–off for issuance of a Final Certificate of Occupancy	Approved construction documents, including control system narratives; ASHRAE Guideline 1: The HVAC Commissioning Process where applicable	C403.2.4, C403.2.5.1, C403.2.11, C403.3, C403.4, C404.3, C404.6, C404.7; ASHRAE 90.1 –6.3, 6.4, 6.5, 7.4.4, 7.4.5	●	○

TABLE II–PROGRESS INSPECTIONS FOR ENERGY CODE COMPLIANCE–COMMERCIAL BUILDINGS

	INSPECTION/TEST	PERIODIC (MINIMUM)	REFENCE STANDARD (SEE ECC CHAPTER 6) OR OTHER CRITERIA	ECC OR OTHER CITATION	THIS INSPECTION REQUIRED YES	NO
IIB	MECHANICAL AND SERVICE WATER HEATING INSPECTIONS					
IIB4	* Hot gas bypass limitation * Temperature * Service water heating * Hot water system * Pool heater and time switches * Exhaust hoods * Radiant heating systems. * HVAC Control in Group R–1 Sleeping Rooms Controls with seasonally dependent functionality: Controls whose complete operation cannot be demonstrated due to prevailing weather conditions typical of the season during which progress inspections will be performed shall be permitted to be signed off for the purpose of a Temporary Certificate of Occupancy with only a visual inspection, provided, however, that the progress inspector shall perform a supplemental inspection where the controls are visually inspected and tested for functionality and proper operation during the next immediate season thereafter. The owner shall provide full access to the progress inspector within two weeks of the progress inspector's request for such access to perform the progress inspection. For such supplemental inspections, the Department shall be notified by the approved progress inspection agency of any unresolved deficiencies in the installed work within 180 days of such supplemental inspection.				●	○
IIB5	HVAC insulation and sealing: Installed duct and piping insulation shall be visually inspected to verify proper insulation placement and values. Joints, longitudinal and transverse seams and connections in ductwork shall be visually inspected for proper sealing.	After installation and prior to closing shafts, ceilings and walls	Approved construction documents; SMACNA Duct Construction Standards, Metal and Flexible	C403.2.7, C403.2.8, C404.5, MC 603.9; ASHRAE 90.1 – 6.3, 6.4.4, 6.8.2, 6.8.3; 7.4.3	●	○
IIB6	Duct leakage testing: For duct systems designed to operate at static pressures in excess of 3 inches w.g. (746 Pa), representative sections, as determined by the progress inspector, totaling at least 25% of the duct area, per ECC C403.2.7.1.3, shall be tested to verify that actual air leakage is below allowable amounts.	After installation and sealing and prior to closing shafts, ceilings and walls	Approved construction documents; SMACNA HVAC Air Duct Leakage Test Manual	C403.2.7.1.3; ASHRAE 90.1 – 6.4.4.2.2	○	●
IIC	ELECTRICAL POWER AND LIGHTING SYSTEMS					
IIC1	Electrical energy consumption: The presence and operation of individual meters or other means of monitoring individual apartments shall be verified by visual inspection for all apartments.	Prior to final electrical and construction inspection	Approved construction documents	C405.7	●	○
IIC2	Lighting in dwelling units: Lamps in permanently installed lighting fixtures shall be visually inspected to verify compliance with high–efficacy requirements.	Prior to final electrical and construction inspection	Approved construction documents	C405.1	●	○
IIC3	Interior lighting power: Installed lighting shall be verified for compliance with the lighting power allowance by visual inspection of fixtures, lamps, ballasts and transformers.	Prior to final electrical and construction inspection	Approved construction documents	C405.5, C406.3; ASHRAE 90.1 –9.1, 9.2, 9.5, 9.6; 1RCNY §101–07(c)(3)(v)(C)4	●	○
IIC4	Exterior lighting power: Installed lighting shall be verified for compliance with source efficacy and/or the lighting power allowance by visual inspection of fixtures, lamps, ballasts and relevant transformers.	Prior to final electrical and construction inspection	Approved construction documents	C405.6; ASHRAE 90.1 –9.4.4,9.4.5; 1RCNY §101–07(c)(3)(v)(C)4	●	○
IIC5	Lighting controls: Each type of required lighting controls, including: * Occupant sensors * manual interior lighting controls * light–reduction controls * automatic lighting shut–off * daylight zone controls * sleeping unit controls * exterior lighting controls shall be verified by visual inspection and tested for functionality and proper operation.	Prior to final electrical and construction inspection	Approved construction documents, including control system narratives	C405.2; ASHRAE 90.1 –9.4.1,9.4.1.2 (as modified by section ECC A102)	●	○
IIC6	Exit signs: Installed exit signs shall be visually inspected to verify that the label indicates that they do not exceed maximum permitted wattage.	Prior to final electrical and construction inspection	Approved construction documents	C405.4; ASHRAE 90.1–9.4.3	○	●
IIC7	Electric motors (including but not limited to fan motors): Where required by the construction documents for energy code compliance, motor listing or labels shall be visually inspected to verify that they comply with the respective energy requirements in the construction documents.	Prior to final electrical and construction inspection	Approved construction documents	C403.2.10; ASHRAE 90.1 –10.4	●	○
IID	OTHER					
IID1	Maintenance Information: Maintenance manuals for mechanical, service hot water and electrical equipment and systems requiring preventive maintenance shall be reviewed for provided to the owner. Labels required for such equipment or systems shall be inspected for accuracy and completeness.	Prior to sign–off or issuance of Final Certificate of Occupancy	Approved construction documents,including electrical drawing where applicable;ASHRAE Guideline 4:Preparation of Operating and Maintenance Documentation for Building Systems	C303.3, C408.2.5.2; ASHRAE 90.1 –4.2.2.3, 6.7.2.2,8.7.2	●	○

NOTE: SEE MH & PL PLANS FOR MECHANICAL & SERVICE WATER HEATING ITEMS

2014 NYC ENERGY CONSERVATION CODE:

PROFESSIONAL STATEMENT:

"TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2014 NYCECC, USING CHAPTER C4."

ECC C402 – BUILDING ENVELOPE REQUIREMENTS

C402.4.1.1 AIR BARRIER CONSTRUCTION:

ALL SOURCES OF AIR LEAKAGE IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED, CAULKED, GASKETED, WEATHER STRIPPED OR WRAPPED WITH MOISTURE VAPOR–PERMEABLE WRAPPING MATERIAL TO MINIMIZE AIR LEAKAGE.

C402.4.2 AIR BARRIER PENETRATION

A CONTINUOUS AIR BARRIER SHALL BE INSTALLED: SEALING ALL SEAMS, OPENINGS AND PENETRATIONS OF THE BUILDING AND SHALL BE SEALED WITH CAULKING MATERIALS OR CLOSED WITH GASKETING SYSTEMS COMPATABLE WITH THE CONSTRUCTION MATERIALS AND LOCATION.

C402.4.3 AIR LEAKAGE OF FENESTRATION

THE AIR LEAKAGE OF WINDOWS, SLIDING AND SWINGING DOORS, AND SKYLIGHTS SHALL BE DETERMINED IN ACCORDANCE WITH AAMA/WDMA/CSA 101/1.S.2/A440, OR NFRC 400 BY AN ACCREDITED, INDEPENDENT LABORATORY, AND LABELED AND CERTIFIED BY THE MANUFACTURER SAND SHALL NOT EXCEED 0.3 CFM PER SQUARE FOOT (1.5 L/S/M2).

C402.4.4 DOORS AND ACCESS OPENINGS TO SHAFTS, CHUTES, STAIRWAYS, AND ELEVATOR LOBBIES

DOORS AND ACCESS OPENINGS FROM CONDITIONED SPACE TO SHAFTS, CHUTES, STAIRWAYS AND ELEVATOR LOBBIES SHALL EITHER MEET THE REQUIREMENTS OF SECTION C402.4.3 OR SHALL BE GASKETED, WEATHERSTRIPPED OR SEALED

C402.4.5 AIR INTAKES, EXHAUST OPENING, STAIRWAYS AND SHAFTS

STAIRWAY ENCLOSURES AND/OR ELEVATOR SHAFT VENTS AND OTHER OUTDOOR INTAKES AND EXHAUST OPENINGS INTEGRAL TO ENVELOPE SHALL HAVE MOTORIZED DAMPERS THAT AUTOMATICALLY CLOSE. GRAVITY DAMPERS ACCEPTABLE IN SYSTEMS WITH OUTSIDE OR EXHAUST AIR FLOW RATES LESS THEN 300 cfm.

C402.4.8 RECESSED LIGHTING [INSTALLED WITHIN BUILDING THERMAL ENVELOPE]

SHALL BE SEALED BETWEEN INTERIOR FINISH AND LUMINAIRE HOUSING TO LIMIT AIR LEAKAGE. THOSE EXTERIOR LUMINARIES SHALL BE IC–RATED AND LABELED TO MEET ASTM E 283 WHEN TESTED AT 1.57 psf (75 Pa) PRESSURE DIFFERENCIAL, LEAKAGE NO MORE THAN 2.0 cfm.

ECC C405 – ELECTRICAL POWER AND LIGHTING SYSTEMS

C405.2. LIGHT CONTROLS

EACH ENCLOSED AREA SHALL HAVE AT LEAST ONE (1) MANUAL CONTROL FOR THE LIGHTING SERVING THAT AREA. NOT REQUIRED IN THE PATH OF EGRESS.

C405.2.1 MANUAL/INTERIOR LIGHTING CONTROLS

EACH AREA ENCLOSED BY WALLS OR FLOOR–TO–CEILING PARTITIONS SHALL HAVE AT LEAST ONE MANUAL CONTROL FOR THE LIGHTING IN THAT AREA.

C405.2.1.2 LIGHT REDUCTION CONTROLS

EACH AREA THAT IS REQUIRED TO HAVE MANUAL CONTROL SHALL ALSO ALLOW THE OCCUPANT TO REDUCE THE CONNECTED LIGHTING LOAD IN A REASONABLY UNIFORM ILLUMINATION PATTERN BY AT LEAST 50%.

C405.2.2.1 AUTOMATIC TIME SWITCH CONTROL DEVICES

SHALL BE INSTALLED TO CONTROL LIGHTING IN ALL AREAS OF THE BUILDING. THE DEVICE SHALL INCLUDE AN OVERRIDE SWITCHING THAT COMPLIES WITH THE FOLLOWING:

- BE AT A READILY ACCESSIBLE LOCATION.
- BE LOCATED WHERE THE LIGHTS CONTROLLED BY THE SWITCH ARE VISIBLE OR SHALL PROVIDE A MECHANISM WHICH ANNOUNCES THE AREA CONTROLLED BY THE SWITCH.
- OVERRIDE SWITCH SHALL PERMIT MANUAL OPERATION.
- OVERRIDE SWITCH, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR A MAX. OF TWO (2) HOURS; AND
- ANY INDIVIDUAL OVERRIDE SWITCH SHALL CONTROL THE LIGHTING FOR A MAX. AREA OF 5,000 SF (465 M^2).

C405.2.2.2 OCCUPANCY SENSORS

CONTROL DEVICES INSTALLED IN SPACES TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING SUCH SPACE [..]. SHALL EITHER BE MANUAL–ON OR SHALL BE CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50% POWER.

C405.2.2.2 OCCUPANCY SENSORS

CONTROL DEVICES INSTALLED IN SPACES TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING SUCH SPACE [..]. SHALL EITHER BE MANUAL–ON OR SHALL BE CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50% POWER.

C405.2.2.2 OCCUPANCY SENSORS

CONTROL DEVICES INSTALLED IN SPACES TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING SUCH SPACE [..]. SHALL EITHER BE MANUAL–ON OR SHALL BE CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50% POWER.

C405.2.2.3 DAYLIGHT ZONE CONTROL

MANUAL CONTROLS SHALL BE INSTALLED IN DAYLIGHT ZONES AND CONTROLLED PER C405.2.2.3.3, AS DEFINED BY THIS CODE, THAT CONTROL THE LIGHTS INDEPENDENT OF GENERAL AREA LIGHTING. CONTIGUOUS DAYLIGHT ZONES ADJACENT TO VERTICAL FENESTRATION ARE ALLOWED TO BE CONTROLLED BY A SINGLE CONTROLLING DEVICE PROVIDED THAT THEY DO NOT INCLUDE ZONES FACING MORE THAN TWO ADJACENT CARDINAL ORIENTATIONS (I.E., NORTH, EAST, SOUTH, WEST). DAYLIGHT ZONES UNDER SKYLIGHTS MORE THAN 15 FEET (4572 MM) FROM THE PERIMETER SHALL BE CONTROLLED SEPARATELY FROM DAYLIGHT ZONES ADJACENT TO VERTICAL FENESTRATION.

EXAMINED FOR ZONING, EGRESS AND FIRE PREVENTION ONLY AS PER DM 28-7-3P 1975

OCT 14 2016

C405.2.4 EXTERIOR LIGHTING CONTROLS

BUILDING FACADE OR LANDSCAPE LIGHTING SHALL BE PROVIDED WITH CONTROLS THAT AUTOMATICALLY SHUT OFF THE LIGHTING FROM 12 MIDNIGHT OR WITHIN ONE HOUR OF THE END OF BUSINESS OPERATIONS, WHICHEVER IS LATER UNTIL 6AM OR BUILDING OPENING WHICHEVER IS EARLIER.

C405.4 EXIT SIGN

INTERNALLY ILLUMINATED EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE.

THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE WORK. FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB– CONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. GERALD J. CALIENDO ARCHITECT, P.C. AND ITS PRINCIPAL/EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

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DRAWING TITLE: Table II – Progress Inspections

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

NO.	DATE	REVISION

DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO.: 15109
SCALE: AS NOTED
DATE: 4/1/16

SEAL: REGISTERED ARCHITECT GERALD J. CALIENDO STATE OF NEW YORK 029041

DEPT BLDGS Job No. 220517627
Scan Code ESHS6772320

DOB:

DRAWING No.: 16 OF 30

EN-120.00

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NEW YORK CITY BUILDING CODE.
2. THE OWNER SHALL BE RESPONSIBLE FOR THE SAFE MAINTENANCE OF THE BUILDING AND ITS FACILITIES IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS.
3. 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...
   B. SHALL HAVE BEEN ACCEPTED FOR USE UNDER THE PRESCRIBED CODE TEST METHODS BY THE COMMISSIONER OR...
   C. APPROVED BY THE BOARD OF STANDARDS AND APPEALS.
4. AT LEAST 24 HOUR WRITTEN NOTICE SHALL BE GIVEN TO THE COMMISSIONER BEFORE COMMENCEMENT OF WORK.
5. FIVE DAYS PRIOR NOTICE SHALL BE GIVEN TO ADJOINING LOT OWNER AFFECTED BY FOUNDATION; EARTHWORK OR DEMOLITION WORK IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
6. NO WORK TO BE DONE BEYOND THE BUILDING LINES WITHOUT APPROVAL OF THE DEPARTMENT OF HIGHWAYS.
7. SIDEWALKS TO BE LAID IN ACCORDANCE WITH RULES OF THE DEPARTMENT OF HIGHWAYS.
8. BORING DIAGRAM WILL BE FILED BEFORE CONSTRUCTION IS STARTED AS PER ADMINISTRATIVE CODE.
9. AN ACCURATE AND COMPLETE FINAL SURVEY, MADE BY A LICENSED SURVEYOR SHALL BE SUBMITTED AFTER COMPLETION OF WORK SHOWING THE LOCATION OF NEW BUILDING ELEVATION OF FIRST FLOOR, FINISHED GRADES OF OPEN SPACES ESTABLISHED CURB LEVEL, LOCATION AND BOUNDARIES OF LOT.
10. ALL ELEVATIONS SHALL REFER TO THE DATUM IN USE BY THE DEPARTMENT OF HIGHWAYS, BOROUGH PRESIDENT OF BROOKLYN WHICH IS 2.75 ABOVE THE U.S. COAST AND GEODETIC SURVEY DATUM OF MEAN SEA LEVEL AT SANDY HOOK.
11. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.
12. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND ARCHITECTS OFFICE MUST BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS SHOWN BY THESE DRAWINGS.
13. ALL CONSTRUCTION, DIMENSIONS AND DETAILS SHALL CONCUR WITH AND BE DETERMINED FROM THESE DRAWINGS ONLY.
14. ALL MATERIALS AND CONSTRUCTION TO BE INCORPORATED IN THE WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF ASTM SPECIFICATIONS, AND TO CONFORM TO THE STANDARDS AND RECOMMENDATIONS OF THE VARIOUS TRADE INSTITUTES (A.C.I., A.I.S.C.E.TC.) WHERE APPLICABLE. ALL MATERIALS INCORPORATED INTO THE WORK SHALL BE NEW.
15. CONTRACTORS SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGES, COLLAPSE, DISTORTIONS AND OFF-ALIGNMENT ACCORDING TO APPLICABLE CODES, STANDARDS AND GOOD PRACTICE.
16. CONSTRUCTION SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL CODES, ORDINANCES, RULES AND REGULATIONS PERTAINING TO LABOR AND MATERIALS.
18. ALL NOTES HEREIN MENTIONED WITH THOSE ON THE VARIOUS DRAWINGS, SHALL APPLY TO ALL DRAWINGS AND FORM PART OF THE CONTRACT.
19. EACH CONTRACTOR WILL BE HELD STRICTLY RESPONSIBLE FOR HIS WORK. ANY DISCREPANCIES IN THE PLANS OR DETAILS MUST IMMEDIATELY BE CALLED TO THE ATTENTION OF THE ARCHITECT.
20. POSTED OCCUPANCY AND USE: ALL BUILDING SHALL BE POSTED WITH A SIGN IN A FORM PRESCRIBED BY THE DEPARTMENTOF BUILDINGS, PERMANENTLY AFFIXED, PLACED IN A CONSPICUOUS LOCATION IN PUBLIC HALL OR CORRIDOR, STATING, LIVE LOADS AND OCCUPANT LOADS IN THE BUILDING AND ALL PARTS THEREOF.
21. ALL MATERIALS, ASSEMBLIES AND METHODS OF CONSTRUCTION REGULATED BY THE NYC BUILDING CODE SHALL BE SUBJECT TO SEMI-CONTROLLED INSPECTION BY THE PERSON SUPERINTENDING THE CONSTRUCTION. SIGNED COPIES OF ALL TEST AND INSPECTION REPORTS SHALL BE FILED THROUGH THE ARCHITECT WITH THE DEPARTMENT OF BUILDINGS.
22. ALL MATERIALS AND ASSEMBLIES REQUIRED TO HAVE A FIRE RESISTANCE RATING SHALL COMPLY WITH APPLICABLE ASTM SPECIFICATIONS.
23. 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 SUCH PROTECTION, AND SHALL BE CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS OR PLATES.
24. 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.
25. CEILINGS THAT CONTRIBUTE TO THE REQUIRED FIRE RESISTANCE RATING OF A FLOOR OR ROOF ASSEMBLY SHALL BE CONTINUOUS BETWEEN FIRE DIVISIONS, FIRE SEPARATIONS OR VERTICAL PARTITIONS HAVING THE SAME FIRE RESISTANCE RATING AS THE CEILING. CONCEALED SPACE ABOVE SUCH CEILING, UNLESS SPRINKLERED, SHALL BE FIRESTOPPED INTO AREAS NOT EXCEEDING 3,000 SQ.FT. ACCESS TO SUCH SPACE MAY BE THROUGH ONE OR MORE OPENINGS NOT EXCEEDING 9 SQ.FT. AND PROTECTED BY SELF-CLOSING OPENING PROTECTIVE IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
26. OPENING PROTECTIVES INCLUDING FRAMES, SELF-CLOSING DEVICES AND HARDWARE, SHALL COMPLY WITH APPLICABLE ASTM SPECIFICATIONS AND NFPA STANDARDS. OPENING PROTECTIVES SHALL BE LABELED, CERTIFYING PERFORMANCE RATING,AND SHALL HAVE BEEN ACCEPTED BY THE COMMISSIONER OR THE BOARD OF STANDARDS AND APPEALS.
27. ROOF SHALL BE COVERED WITH CLASS "A" ROOF COVERING MEETING APPLICABLE ASTM SPECIFICATIONS.
28. FIRESTOPPING: CONCEALED SPACES WITHIN PARTITIONS, WALLS, FLOORS, ROOFS, STAIRS, FURRING PIPE SPACES, COLUMN ENCLOSURES, ETC. SHALL BE FIRESTOPPED (EXCEPTED WHERE CONCEALED SPACED IS SPRINKLERED OR IS CONSTRUCTED AS A SHAFT) AS FOLLOWS:
   A. CONSTRUCTION GROUP 1: WITH NON-COMBUSTIBLE MATERIAL THAT CAN BE SHAPED.
   B. NON-COMBUSTIBLE FIRESTOPPING MAY BE MASONRY SET IN MORTAR,CONCRETE 3/4" MORTAR OR PLASTER ON NON-COMBUSTIBLE LATH. PLASTER BOARD AT LEAST 3/8" THICK, SHEET METAL OF AT LEAST 0.002"THICK, SOLID WEB METAL STRUCTURAL MEMBERS, 1/4" MINIMUM CEMENT BOARD OF EQUIVALENT MATERIALS, MINERAL, SLAG, OR ROCKWOOL WHEN COMPACTED INTO CONFINED SPACES.
29. INTERIOR FINISH: MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH THE SURFACE FLAME-SPREAD RATING OBTAINED AS PRESCRIBED IN ASTM STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.
30. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES.
31. STAIRS SHALL HAVE HANDRAILS ON EACH SIDE (EXCEPT THAT STAIRS LESS THAN 44 INCHES IN WIDTH), HAVING FINGER CLEARANCE OF 1 1/2 INCHES, PROJECTING NOT MORE THAN 3 1/2 INCHES INTO THE REQUIRED STAIR WIDTH.

    HEIGHT OF HANDRAIL SHALL BE BETWEEN 30" AND 34" ABOVE THE TREAD NOSING. HANDRAILS SHALL BE RETURNED TO WALLS AND POSTS AT THEIR TERMINATION. MATERIALS OF HANDRAILS SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 150. HANDRAILS SHALL BE DESIGNED TO RESISTS A SIMULTANEOUS APPLICATION OF A LATERAL FORCE OF 40 PLF AND A VERTICAL LOAD OF 50 PLF. LANDINGS AND PLATFORMS SHALL BE ENCLOSED ON SIDES BY WALL OR RAILINGS,AT LEAST 3'-0"HIGH. RISERS SHALL BE MAXIMUM 7 3/4" HIGH,TREADS MINIMUM 9 1/2" WIDE EXCLUSIVE OF NOSING AND THE SUM OF 2 RISERS PLUS ONE TREAD EXCLUSIVE OF NOSING SHALL BE NOT LESS THAN 24 OR MORE THAN 25 1/2".
32. VENTILATION OF EACH REQUIRED STAIR EXTENDING TO THE ROOF WILL CONSIST OF WINDOWS AND LOUVERS MIN. 20 SQ.FT. OF 1/4" GLASS GLAZING IN WINDOWS, MIN. 144" OF LOUVER IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
33. ILLUMINATION OF AT LEAST 5 FOOT CANDLES MEASURED AT THE FLOOR LEVEL SHALL BE MAINTAINED CONTINUOUSLY IN EXITS AND THEIR ACCESS FACILITIES.
34. EXIT LIGHTING SHALL BE ON CIRCUITS THAT ARE SEPARATE FROM ANY OTHER CIRCUITS.
35. 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 IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
36. 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 IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
37. REQUIRED FOR MULTIPLE DWELLINGS, BUILDING ENTRANCE DOORS AND OTHER EXTERIOR DOORS SHALL BE PROVIDED WITH HEAVY DUTY LOCK SETS WITH AUXILIARY LATCH BOLTS TO PREVENT THE LATCH FROM BEING MANIPULATED BY OTHER THAN A KEY.
38. DOORS TO DWELLING UNITS SHALL BE REQUIRED WITH A HEAVY DUTY DEAD BOLT OR OPERABLE BY KEY FROM OUTSIDE AND THUMB TURN FROM INSIDE AND A CHAIN DOOR GUARD. ALL OPERABLE WINDOWS SHALL BE EQUIPPED WITH SASH LOCKS.
39. ALL TOILETS SHALL HAVE WATERPROOFED FLOOR AND 6"BASE. WAINSCOT SHALL BE PROVIDED WHERE CALLED FOR ON DRAWINGS. (FOR FIN. MAT. SEE FINISH SCHEDULE)
40. ALL INTERIOR TOILETS SHALL BE MECHANICALLY VENTILATED.
41. ALL ELEVATOR DOORS SHALL HAVE ELECTRIC INTERLOCKS.
42. SUSPENDED CEILINGS INCLUDING METAL HANGERS, PURLINS AND RUNNERS SHALL COMPLY WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
43. ALL DOORS TO REQUIRED EXIT STAIRS IN UCCUP. GROUP R-2 SHALL BE MIN. 3'-0" WIDE (EXCEPT AS OTHERWISE NOTED IN PLANS) IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
44. DOORS AND ASSEMBLIES SHALL HAVE THE FOLLOWING FIRE RESISTIVE RATINGS: a) DOORS TO STAIRS 1 1/2 HOUR, EXCEPT WHERE OTHERWSE NOTED. b) DOORS TO ELEVATOR SHAFT 1 1/2 HOUR IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
45. CORRIDORS AND EXIT PASSAGEWAYS SHALL HAVE A MIN. CLEAR HEIGHT OF 7'-6" FOR AT LEAST 75% OF THE FLOOR AREA WITH NO POINT LESS THAN 7 FT. IN HEIGHT, PROJECTION BELOW THE CEILING SHALL NOT OBSTRUCT FULL VIEW OF EXIT SIGNS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
46. ELEVATOR SHAFTS SHALL BE ENCLOSED WITH CONSTRUCTION FOR 2 HOUR FIRE RATING IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
47. INTERIOR REQUIRED STAIR SHALL BE ENCLOSED WITH 2 HOUR FIRE RATING IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
48. ALL VENT DUCT SHAFT & OFFSETS 288 SQ. IN. OR MORE SHALL BE ENCLOSED WITH 2 HOUR FIRE RATING ENCLOSURE. NO DUCT VENTS TO PASS THROUGH STAIR ENCLOSURES. 1 1/2 HOUR AUTOMATIC SELF-CLOSING FIRE DAMPERS TO BE INSTALLED IN VENT DUCTS WHEN THEY PIERCE PUBLIC CORRIDORS.
49. MASONRY MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
50. ALL MASONRY NON-LOAD BEARING WALLS SHALL BE BONDED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
51. EXTERIOR MASONRY WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
52. ALL EXTERIOR MASONRY WALL WILL BE LAID UPON ONE PART PORTLAND CEMENT, ONE PART LIME AND SIX PARTS SAND; ALL JOINTS SHALL BE THOROUGHLY FILLED. ALL MORTAR TO COMPLY WITH APPLICABLE SECTIONS OF NYC BUILDING CODE. ALL BRICK SHALL BE GRADE S.W., TYPE F.B.S. CONTRACTOR TO FILE ALL APPLICABLE FORMS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
53. CONCRETE MASONRY UNITS SHALL BE TYPE APPROVED BY THE BOARD OF STANDARDS AND APPEALS.
54. ALL CORNERS OF PARAPET WALLS SHALL BE REINFORCED WITH CORROSION RESISTANT STEEL TIES AT VERTICAL INTERVALS OF 12", SAME SHALL EXTEND AROUND CORNERS FOR 4'-0" IN BOTH DIRECTIONS AND SPLICES SHALL BE LAPPED AT LEAST 6".
55. WHERE GLASS FACING IS USED, THICKNESS AND AREA COMPLIES SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NYC BUILDING CODE.
56. INTERIOR WALLS, PARTITIONS, FLOOR AND CEILING CONSTUCTION AND MECHANICAL EQUIPMENT SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH APPLICABLE SECTIONS OF NYC BUILDING CODE, TO PROVIDE MIN. PROTECTION FOR EACH DWELLING UNIT FROM EXTRANEOUS NOISES EMANATING FROM OTHER DWELLING UNITS AND FROM MECHANICAL EQUIPMENT. IN ADDITION, EXTERIOR MECHANICAL EQUIPMENT SHALL CONFORM TO THE NOISE REDUCTION REQUIREMENTS OF THE NYC BUILDING CODE.
57. PARTITIONS SHALL REST DIRECTLY UPON THE CONCRETE FLOOR CONSTRUCTION AND SHALL EXTEND TO THE CONCRETE CONSTRUCTION OF THE FLOOR OR ROOF ABOVE.
58. A MINIMUM CEILING HEIGHT OF 8'-0" SHALL BE MAINTAINED IN ALL LIVING ROOMS.
59. WALLS, PARTITIONS AND FLOOR AND CEILING CONSTRUCTION-MIN.STC RATING 50 FOR AIRBORNE NOISE, MIN.35 STC RATING REQUIRED FOR APARTMENT ENTRANCE DOORS.
60. EQUIPMENT USE PERMITS, INSPECTIONS AND TESTS

    PERMITS SHALL BE OBTAINED FOR USE OF THE FOLLOWING EQUIPMENT:
    A. AIR CONDITIONING AND VENTILATION SYSTEMS
    B. ELEVATORS
    C. PLUMBING PIPING
    D. STANDPIPE SYSTEMS
    E. SPRINKLER SYSTEMS
    F. SMOKE TEST

    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 TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIRED INSPECTION AND TEST PROCEDURES; AND 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 ARCHITECT OR ENGINEER SHALL BE SUBMITTED WITH THE PERMIT APPLICATION, STATING THAT THE SYSTEM HAS BEEN OPERATED AND FUNCTIONS SATISFACTORY, AND THAT TO THE BEST OF KNOWLEDGE AND BELIEF, THE SYSTEM WILL MEET THE CODE TEMPERATURY REQUIREMENT.
61. SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE SECTIONS OF NYC BUILDING CODE. SEPARATE SPRINKLER APPLICATION SHALL BE FILED AND APPROVAL OBTAINED.
62. STANDPIPE SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE SECTIONS OF NYC BUILDING CODE. SEPARATE STANDPIPE APPLICATION SHALL BE FILED BY THE INSTALLER.
63. SEPARATE ELEVATOR APPLICATION SHALL BE FILED BY THE INSTALLER.
64. VIEWING MIRRORS SHALL BE PROVIDED IN ELEVATORS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
65. MECHANICAL VENTILATION, AIR CONDITIONING AND REFRIGERATION
    A. ALL FINAL INSPECTION AND TESTS OF A REQUIRED VENTILATING SYSTEM SHALL BE MADE (THE ARCHITECT OR ENGINEER NEED NOT TO BE IN THE EMPLOY OF THE OWNER)
    B. ALL INSPECTION AND TEST OF A REFRIGERATION SYSTEM SHALL BE MADE (THE ARCHITECT OR ENGINEER NEED NOT TO BE IN THE EMPLOY OF THE OWNER)
66. HEATING AND COMBUSTION EQUIPMENT
    A. ALL FINAL INSPECTIONS AND TESTS FOR BOILERS SHALL BE SUBJECT TO THE PROVISIONS FOR CONTROLLED INSPECTION (SUCH INSPECTIONS AND TESTS, HOWEVER, MAY BE MADE BY DEPARTMENT INSPECTORS OR BY A DULY AUTHORIZED INSURANCE COMPANY INSPECTOR)
    B. ALL APPLICATIONS FOR EQUIPMENT USE PERMIT FOR HEATING SYSTEMS SHALL BE ACCOMPANIED BY A SIGNED STATEMENT BY AN ARCHITECT OR ENGINEER STATING THAT THE SYSTEM HAS BEEN OPERATED AND FUNCTIONS SATISFACTORY AND THAT TO THE BEST OF HIS KNOWLEDGE AND BELIEF THE SYSTEM WILL MEET THE CODE TEMPERATURE REQUIREMENTS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
67. FIRE EXTINGUISHING EQUIPMENT
    A. INSPECTIONS AND TESTS OF STANDPIPES ARE SUBJECT TO CONTROLLED INSPECTION, IF APPLCANT DOES NOT CHOOSE TO HAVE TESTS WITNESSED BY REPRESENTATIVE OF DEPARTMENTS.
    B. INSPECTIONS AND TEST OF SPRINKLER SYSTEMS ARE SUBJECT TO CONTROLLED INSPECTION, IF APPLICANT DOES NOT CHOOSE TO HAVE TESTS WITNESSED BY REPRESENTATIVE.
68. INSPECTION DURING PROGRESS OF WORKS
    A. THE COMMISSIONER MAY ACCEPT SIGNED STATEMENTS BY ARCHITECTS AND ENGINEERS AND SUPPORTING INSPECTIONS AND TESTS REPORTS WITHOUT VERIFYING INSPECTION OR TEST BY DEPARTMENT INSPECTORS IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
69. ALL PERMITS ISSUED BY THE DEPARTMENT OF BUILDINGS SHALL BE POSTED IN A CONSPICUOUS PLACE OPEN TO THE PUBLIC INSPECTION FOR THE ENTIRE TIME OF THE PROSECUTION OF THE WORK OF THE USE AND OPERATION OF THE EQUIPMENT OR UNTIL THE EXPIRATION OF THE PERMIT.
70. A REFUSE COLLECTING ROOM IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE AND RULES AND THE DEPARTMENT OF BUILDINGS SHALL BE PROVIDED FOR REFUSE REDUCTION SYSTEM WHICH UTILIZES METHODS OTHER THAN BURNING. SUCH ROOM SHALL BE USED FOR NO OTHER PURPOSE AND SHALL BE SEPARATED FROM ALL OTHER OCCUPANCIES BY 3 HR. FIRE RATED PARTITIONS. DOORS INTO SUCH SPACES SHALL BE F.P.S.C. AND SHALL HAVE APPROPRIATE RATING.
71. REFUSE COLLECTING ROOM SHALL BE SPRINKLERED.
72. THE COMPACTING MACHINE SHALL BE LOCATED WITHIN THE REFUSE ROOM IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
73. COMPACTING EQUIPMENT SHALL MEET THE STANDARDS OF THE ENVIRONMENTAL PROTECTION ADMINISTRATION AND ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE AND OF ANY OTHER AUTHORITY HAVING JURISDICTION.
74. REFUSE CHUTE SHALL BE CONSTRUCTED STRAIGHT AND PLUMB WITHOUT PROJECTIONS OF ANY KIND SUPPORTED ON 3 HR. FLOOR CONSTRUCTION.
75. REFUSE CHUTE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS OF THE DEPARTMENT OF BUILDINGS AND ANY OTHER AUTHORITY HAVING JURISDICTION.
76. REFUSE CHUTE SHALL EXTEND THROUGH THE ROOF AT LEAST 4'-0" AND BE OPEN TO AIR. OPENING TO BE EQUAL TO 1 S.F.
77. INSPECTION OF REQUIRED SPRINKLERS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
78. JANITORIAL SERVICE'S SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
79. ALL OBLIGATIONS OF THE OWNER SHALL BE FULLFILLED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
80. CENTRAL HEAT, ELECTRIC OR GAS HEATING SYSTEM, AND THE SUPPLY OF HOT WATER SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
81. GAS APPLIANCES SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
82. PUBLIC HALL LIGHTING SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
83. MAIL SERVICE WILL BE PROVIDED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
84. STREET NUMBERS SHALL BE PROVIDED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
85. FLOOR NUMBERS SHALL BE INSTALLED ON ALL FLOORS IN STAIR HALLS AND AT ELEVATOR LANDINGS IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE, AND RULES OF THE DEPARTMENT OF BUILDINGS.
86. WHERE THE CROSS SECTIONAL AREA OF DUCTS IS 2SQ. FT. OR LESS, SUCH DUCTS MAY BE FIRE PROTECTED WITH CONSTRUCTION HAVING A FIRE RESISTANCE RATING OF 1 HOUR PLACED AS CLOSE AS POSSIBLE TO THE DUCT IN LIEU OF A SHAFT, WITH THE SPACE BETWEEN THE DUCT AND THE FLOOR CONSTRUCTION FILLED SOLIDLY WITH INERT NON-COMBUSTIBLE MATERIAL FOR THE FULL DEPTH OF THE FLOOR CONSTRUCTION IN ACCORDANCE WITH THE NYC BUILDING CODE.
87. PROVIDE SMOKE DETECTORS WITHIN APARTMENTS IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
88. RADIO AND TV WIRES AND ANTENNA SHALL BE PLACED A MIN. OF 10'-0" ABOVE HIGHEST POINT ON ROOF IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
89. BUILDING TO BE RATPROOFED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
90. ALL CLEANING OF WINDOWS WILL BE IN CONFORMITY WITH THE WINDOW CLEANING CODE.
91. FIREPROOFING
    A. THE OCCUPANCY CLASSIFICATION OF THE BUILDING IS OCCUPANCY GROUP (O.C.) R-2 AND CLASS "A" MULTIPLE DWELLING AS PER NEW YORK CITY BUILDING CODE
    B. THE VARIOUS OCCUPANCIES REQUIRED TO BE SEPARATED FROM EACH OTHER BY FIRE SEPARATING OR DIVISIONS SHALL BE SO SEPARATED BY PARTITIONS HAVING THE REQUIRED FIRE RATING IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
    C. THE CONSTRUCTION CLASSIFICATION OF THE BUILDING IS LISTED ON THIS SHEET WHERE IT STATES "CONSTRUCTION CLASS", AND CONFORMS TO AREA AND HEIGHT LIMITATIONS IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE. THE CONSTRUCTION ELEMENTS SHALL BE OF THE REQUIRED MINIMUM FIRE RESISTANCE RATINGS AS OUTLINED IN THE NYC BUILDING CODE.
92. EXIT DOORS SHALL BE READILY OPENABLE AT ALL TIMES FROM THE SIDE WHICH EGRESS IS TO BE MADE. DOORS OPENING INTO INTERIOR ENCLOSED STAIR SHALL NOT BE LOCKED FROM EITHER SIDE EXCEPT THAT DOORS MAY BE LOCKED TO PREVENT ACCESS TO THE STAIR FROM THE OUTDOORS AT THE STREET LEVEL.
93. ALL WIRE GLASS IN RATED DOORS AND WINDOWS WILL BE OF A TYPE APPROVED BY THE B.S.A.
94. FIRE SEPARATION SHALL COMPLY WITH PROVISIONS OF ALL APPLICABLE SECTIONS OF THE NYC BUILDING CODE AND SHALL BE CONTINUOUS THROUGH ANY CONCEALED SPACE IN FLOOR OR ROOF CONSTRUCTION.
95. DIFFERENT TENANT STORES, APARTMENTS, ETC., SHALL BE SEPARATED BY FIRE SEPARATIONS.
96. OPENINGS IN FIRE DIVISIONS AND SEPARATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
97. FIRE RATED ENCLOSURES – NO CONDUITS, PIPES, MEDICINE CABINETS, ETC. SHALL ENCROACH ON PARTITIONS ENCLOSING STAIRS OR ELEVATOR SHAFTS OR OTHER RATED PARTITIONS.
98. ALL FIRE RATED PARTITIONS – CONDUITS IN FIRE-RATED PARTITIONS WILL NOT EXCEED 3/4 INCH DIAMETER OUTLETS AND SUCH PARTITIONS WILL BE BACKED UP WITH APPROVED MATERIALS.
99. PENETRATION OF OPENINGS IN WALLS, PARTITIONS, OR FLOORS FOR PIPE SLEEVES, MEDICINE CABINETS, HAMPERS ELECTRIC DEVICES, ETC., SHALL BE PACKED & SEALED.
100. ALL VENT DUCT SHAFTS BE ENCLOSED WITH 2 HOUR ENCLOSURE, NO DUCT VENTS TO PASS THROUGH STAIR ENCLOSURES. 1 1/2 HOUR AUTOMATIC SELF-CLOSING FIRE DAMPERS TO BE INSTALLED IN VENT DUCTS WHEN THEY PIERCE PUBLIC CORRIDORS.
101. FIRE PREVENTION APPLICATIONS WILL BE FILED IF REQUIRED FOR ALL INSTALLATIONS.
102. WOOD REQUIRED TO BE FIREPROOFED SHALL BE TESTED IN ACCORDANCE WITH THE NYC BUILDING CODE.
103. TOILET ROOM SIDE OF PARTITIONS SHALL BE 5/8" WATER RESISTANT GYPSUM WALLBOARD.
104. VENTILATION SHAFT WALLS 288 SQ.INCH OR OVER SHALL BE AS FOLLOWS: ONE LAYER OF 5/8" SHEETROCK FIRE CODE GYPSUM WALLBOARD EACH SIDE OVER 1" GYPSUM COREBOARD. TOTAL WIDTH= 2 1/4". INSTALLATION AS RECOMMENDED BY MANUFACTURER.
105.

INTERIOR FINISH CLASS	REQUIRED FIRE RESISTANCE
A STAIR ENCLOSURE(INCLUDING SEPARATION)	2 HR. REQUIRED FIRE RESISTANCE RATING
A ELEVATOR SHAFT	2 HR. REQUIRED FIRE RESISTANCE RATING
A DUCT SHAFT(288 SQ.INCH OR MORE)	2 HR. REQUIRED FIRE RESISTANCE RATING
A PUBLIC HALL(CORRIDOR)	1 HR. REQUIRED FIRE RESISTANCE RATING
A EXIT PASSAGEWAY(GRADE LEVEL)	2 HR. REQUIRED FIRE RESISTANCE RATING
B&C INTERIOR PARTITIONS AND FURRING	0 HR. REQUIRED FIRE RESISTANCE RATING
FLOOR CONSTRUCTION	2 HR. REQUIRED FIRE RESISTANCE RATING

106. INTERIOR FINISH TO HAVE FLAME SPREAD RATINGS IN ACCORDANCE WITH NYC BUILDING CODE.
109. ALL COMBUSTIBLE FLOORING TO HAVE FLAME SPREAD RATING IN ACCORDANCE WITH THE NYC BUILDING CODE.
110. FINISH FLOORING IN ALL EXITS SHALL BE OF NON-COMBUSTIBLE MATERIALS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE NYC BUILDING CODE.
111.

BUILDING SPACE CLASSIFICATION	OCCUPANCY GROUP	FIRE INDEX
BUILDING STORAGE ROOMS		2
BOILER ROOM		2
ELECTRICAL METER RM.		2
REFUSE/ COMPACTOR ROOM		2
SUPER'S OFFICE		2
TENANT'S LAUNDRY	ACCESSORY TO R-2	1
TENANT'S STORAGE		2
RESIDENTIAL	R-2	1
COMMUNITY RM.	ACCESSORY TO R-2	1

112. ENERGY CONSERVATION CODE NOTES

    ALL PERTINENT DATA AND DESIGN CRITERIA REGARDING THE FOLLOWING CONFORM WITH BOTH THE STATE ENERGY CONSERVATION CONSTRUCTION CODE AND THE NEW YORK CITY BUILDING CODE, OR WHICHEVER IS MORE STRINGENT:
    A. "U" VALUES OF THE ENVELOPE SUB-SYSTEM.
    B. DESIGN INSIDE AIR TEMPERATURE OF EACH ROOM THAT IS TO BE HEATED AND/OR COOLED. (72 DEG,F. FOR HEATING, 78 DEG.F. FOR COOLING.)
    C. DESIGN OUTDOOR AIR TEMPERATURE(15 DEG.F. WINTER, 89 DEG.F. SUMMER).
    D. DESIGN HEAT LOSS AND/OR GAIN THROUGH EACH EXTERIOR FACADE IN BTU/HR.
    E. "R" VALUES OF INSULATING MATERIALS.
    F. SIZE AND TYPE OF APPARATUS AND EQUIPMENT AND SYSTEM CONTROLS IS IN CONFORMANCE WITH THE REQUIREMENTS OF THE CODE.
    G. ELECTRICAL LIGHTING AND POWER DESIGN DATA.
    H. FIRE PROTECTION CONSTRUCTION REQUIREMENTS, INCLUDING BUILDING CODE LIMITATIONS REGARDING USE OF INSULATION OR EQUIPMENT.
    I. ALL NECESSARY APPROVALS FOR ELECTRICAL WORK FROM THE BUREAU OF GAS AND ELECTRICITY WILL BE OBTAINED.
    J. CONSTRUCTION SHALL CONFORM TO THE NEW YORK ENERGY CONSERVATION CON

DOORWAY REQUIREMENTS

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.

4.13.2 Revolving Doors and Turnstiles.
Revolving doors or turnstiles shall comply with 4.13 or shall not be the only means of passage at an accessible entrance or along an accessible route.

4.13.3 Gates.
Gates, including ticket gates, shall meet all applicable specifications specifications of 4.13.

4.13.4 Double-Leaf Doorways.
If doorways have two independently operated door leaves, then at least one leaf shall meet the specifications in 4.13.5 and 4.13.6 That leaf shall be an active leaf.

4.13.5 Clear Width.
Doorways intended for user passage shall have a minimum clear opening of 32 in (815 mm) with the door open 90 degrees, measured between the face of the door and the stop (see Fig. 24(a), (b), (c), and (d). Opening more than 24 in (610 mm) in depth shall comply with 4.2.1 and 4.3.3 (see Fig.24(e)).

4.13.6 Maneuvering Clearances at Doors.
Minimum maneuvering clearances at doors that are not automatic shall as shown in Fig. 25. The floor or ground area within the required clearances shall be level and clear. Entry doors to acute care hospital bedrooms for inpatients shall be exempt from the requirement for space space at the latch side of the door (see dimension x in Fig. 25) if the door is at least 44 in(1120 mm.) wide.

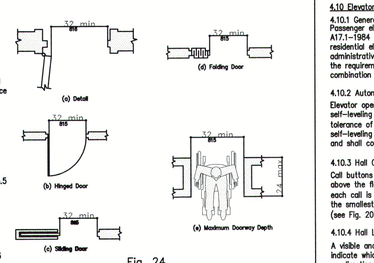


Fig. 24
Clear Doorway Width and Depth

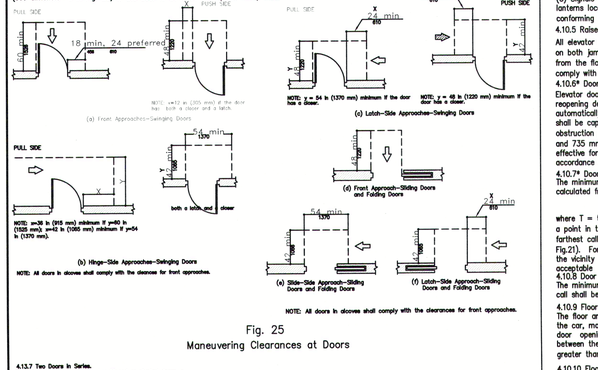


Fig. 25
Maneuvering Clearances at Doors

4.13.7 Two Doors in Series.
The minimum space between two hinged or pivoted doors in series shall be 48 in (1220 mm) plus the width of any door swinging into the space. Door in series shall swing either in the same direction or away from the space between the doors. (see Fig. 26)

4.13.8 Threshold at Doorways.
Thresholds at doorways shall not exceed 3/4 in (19 mm) in height for exterior residential sliding doors or 1/2 in (13 mm) 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* Threshold at Doorways.
Thresholds at doorways shall not exceed 3/4 in (19 mm) in height for exterior residential sliding doors or 1/2 in (13 mm) 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 mechanisms, push-type mechanisms, and U-shaped 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.
Thresholds If the door has a closer, then the sweep period of the closer shall be adjusted so that from an open position of 90 degrees, the 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. lbf (22.2 N)
(c) Sliding and Folding doors:	5. 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 closed position.

4.13.12 Automatic Doors.
If an automatic door is used, it shall comply with ANSI / BHMA A 156.10–1985.

4.13.13 Power-Assisted Doors and Low-Energy Power-Operated Doors.
Power-assisted doors shall comply with ANSI/BHMA A156.19–1984. Such doors shall not open to back check faster than 3 seconds and shallrequire no more than 15 lbf (66.8 N) to stop door movement.

4.11* Platform Lifts.

4.11.1 Location.
Platform lifts permitted by 4.1 shall comply with the requirements of 4.11.

4.11.2 Other Requirements.
If platform lifts are used, they shall comply with 4.2.4, 4.5, 4.27, and the applicable safety regulations of administrative authorities having jurisdiction.

4.11.3 Entrance.
If platform lifts are used, then they should facilitate unassisted entry and exit from the lift in comfiance with 4.11.2.

ELEVATOR REQUIREMENTS

4.10 Elevators.

4.10.1 General.
Passenger elevators on accessible routes shall comply with ANSI / ASME A17.1–1984 and A17.1a–1985. This standard does not preclude the use of residential elevators or wheel– chair lifts when appropriate and approved by administrative authorities. Freight elevators shall not be considered as meeting the requirements of this section unless the only ele– vators provided are used as combination passenger and freight elevators.

4.10.2 Automatic Operations.
Elevator operation shall be automatic. Each car shall be equipped with a self–leveling feature that will automatically bring the car to floor landings within a tolerance of 1/2 in (13 mm) under rated load loading to zero loading conditions. This self–leveling feature shall be automatic and independent of the operating device and shall correct for overtravel or undertravel.

4.10.3 Hall Call Buttons.
Call buttons in elevator lobbies and halls shall be centered at 42 in. (1065 mm) above the floor. Such call buttons shall have visual signals to indicate when each call is answered. Call buttons shall be a minimum of 3/4 in. (19 mm) in the smallest dimention. The button designating the up direction shall be on top

4.10.4 Hall Lanterns.
A visible and audible signal shall be provided at each holstway entrance to indicate which car is answering a call. Audible signals shall sound once for the up direction and twice for the down direction or shall have verbal annunciators that say "up" or "down." Visible signals sahll have the following features:

(1) Hall lanter fixtures shall be mounted so that their centerline is at least 72 in. (1830 mm) above the lobby floor.

(2) Visual elements shall be at least 2–2/2 in (64 mm.) in the smallest dimention.

(3) Signals shall be visible from the vicinity of the hall call button. In–car lanterns located in cars, visible from the vicinity of hall call buttons, and conforming to the above requirements, shall be acceptable (see Fig.20).

4.10.5 Raised Characters on Holstway Entrances.
All elevator holstway entrances shall have raised floor designations provided on both jambs. The centerline of the characters shall be 60 in (1525 mm) from the floor. Such characters shall be 2 in (50mm) high and shall comply with 4.30. Permanently fixed to the jambs. (See Fig. 20).

4.10.6* Door Protective and Reopening Device.
Elevator doors shall open and close automatically.They shall be provided with a reopening device that will stop and reopen a car door and holstway door automatically if the door becomes obstructed by an object or person. The device shall be capable of completing these operations without requiring contact for an obstruction passing through the opening at heights of 5 in. and 29 in. (125 mm and 735 mm) from the floor (see Fig. 20). Door reopening devices shall remain effective for at least 20 seconds. After such an interval, doors may close in accordance with the requirements of ANSI A17.1a–1979.

4.10.7* Door and Signal Timing for Hall Calls.
The minimum acceptable time from notification that a car start to close shall be calculated from the following equation: $T = \frac{D}{1.5\ ft/s}$ or $T = \frac{D}{445\ mm/s}$

where T = total time in seconds and D = distance (in feet or millimeters) from a point in the lobby or corridor 60 in. (1525 mm) directly in front of the farthest call button controlling the car to the centerline of its holstway door (see Fig.21). For cars with in–car lanterns, T begins when the lantern is visible from the vicinity of hall call buttons and an audible signal is sounded. The minimum acceptable notification time shall be 5 seconds.

4.10.8 Door Delay for Car Calls.
The minimum time for elevator doors to remain fully open in response to a car call shall be 3 seconds.

4.10.9 Floor Plan of Elevator Cars.
The floor area of elevator cars shall provide space for wheelchair users to enter the car, maneuver within reach of controls, and exit from the car. Acceptable door opening and inside dimensions shall be shown in Fig. 22. The clearance between the car platform sill and the edge of any holstway landing shall be no greater than 1–1/4 in.(32 mm).

4.10.10 Floor Surfaces.
Floor surfaces shall comply with 4.5.

4.10.11 Illumination Levels.
The level of illumination at the car controls, platform, and car threshold and landing sill shall be at least 5 footcandles (53.8 lux).

4.10.12* Car Controls.
Elevator control panels shall have the following features:
(1) Buttons. All control buttons shall be at least 3/4 in. (19mm) in their smallest dimesion. They may be raised or flush.

(2) Tactile and Visual Control Indicator All control buttons shall be designated by raised standard alphabet characters for letters, arabic characters for numerals, or standard symbols as shown in Fig.23(a),and as required in ANSI A17.1–1978 and A17.1c–1979. Raised characters and symbols shall comply with 4.30. The call button for the main entry floor shall be designated by a raised star at the left of the floor designations (see Fig.23(a)). All raised designations for control buttons shall be placed immediately to the left of the buttons to which it apply. Applied plates, permanently attached, area an acceptable means to provide raised control designations. Floor buttons shall be provided with visual indicators to show when each call is registered. The visual indicators shall be extinguished when each call is answered.

(3) Height. All floor buttons shall be no higher than 48 in. (1220 mm), unless there is a substantial increase in cost, in which case the maximum mounting height may be increased to 54 in (1370 mm),above the floor. Emergency controls, including the emergency alarm and the bottom of the panel and shall have their centerlines no less than 35 in. (890 mm) above the floor (see Fig. 23(a) and (b)).

(4) Location. Controls shall be located on a front wall if cars have center opening doors, and at the side wall or at the front wall next to the door if cars have side opening doors (see Fig. 23(c) and (d)).

4.10.13* Car Position Indicators.
In elevators cars, a visual car position indicator shall be provided above the car control panel or over the door to show the position of the elevator in the holstway. As the car passes or stops at a floor served by the elevators, the corresponding numerals shall illuminate, and an audible signal shall sound. Numerals shall be a minimum of 1/2 in. (13 mm) high. The audible signal shall be no less than 20 decibels with a frequency no higher than 1500 Hz. An automatic verval announcement of the floor number at which a car stops or which a car passes may be substituted for the audible signal.

4.10.14* Emergency Communications.

If provided, emergency two–way communication systems between the elevator and a point outside the hoistway shall comply with ANSI A17.1–1978 and A17.1a–1979. The highest operable part of a two–way communication system shall be a maximum of 48 in. (1220 mm) from the floor of the car. It shall be identified by a raised or recessed symbol and lettering comply with 4.30 and located adjacent to the device. If the system uses a handset, then the length of the cord from the panel to the handset shall be at least 29 in. (735 mm). If the system is located in a closed compartment, the commpartment door hardware shall conform to 4.27, Controls and Operating Mechanisms. The emergency intercommunication system shall not require voice communication.

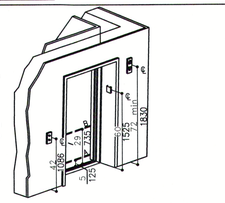


Fig. 20
Holstway and Elevator Entrances

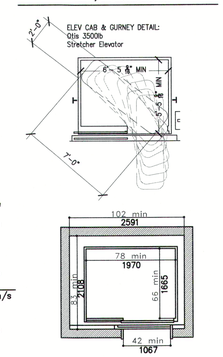
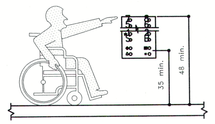
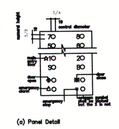
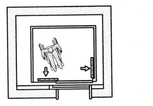


Fig. 22
Minimum Dimensions of Elevator Cars






(d)
Alternate Location of Panel with Side Opening Door

BATHROOMS REQUIREMENTS

4.32 Dwelling Units.

4.32.1 General.
Accessible dwelling units shall comply with 4.32.

4.32.2 Adaptability.
Subsections 4.32.4, Bathrooms and 4.32.5, Kitchens, specify a range of heights and clearances within which certain fixtures may be installed (for example, grab bars at bathtubs and toilets and work surfaces and sink heights in kitchens.) In the case of grab bars, provision can be made for later installation within the specified height range, on requested by the occupant of the dwelling unit. Other fixtures may be permanently installed at a height within these ranges or the fixtures may be adjustable within the ranges. A unit in which fixtures may be added or adjusted in height is an adaptable unit. Both adaptable units and units in which fixtures are permanently installed within the height specified in 4.32 are accessible dwelling units.

4.32.3* Basic Components.
Accessible dwelling units shall provide accessible elements and spaces as identified in Table 4. In establishing administrative provisions as described in Section 2, adopting authorities shall specify the number of dwelling units to be accessible, or procedures for determining the number to be accessible, for different types of constructions (i.e., new construction or remodeling/alterations.). In addition, adopting authorities may specify whether those fixtures for which height ranges are provided in 4.32.4 and 4.32.5 are to be permanently installed at a specific height or whether they are to be designed for adaptability. Table 4 identifies spaces where fixtures are subject to these requirements.

4.32.4 Bathrooms.
Accessibility bathrooms shall be on an accessible route and shall comply with the requirements of 4.32.4.

4.32.4.1 Doors.
Doors may swing into the clear floor space required for any fixture provided in the bathroom provides sufficient maneuvering space (see Fig.3) within the bathroom for a person using a wheelchair to enter and close the door, use the fixtures, reopen the door, and exit.

4.32.4.2 Water Closets.
4.32.4.2 General.
Accessible water closets shall comply with 4.16. For water closets in dwelling units, see 4.32.4.2

(1). Clear Floor Space.
Clear floor space at the water closets shall be as shown in Fig. 47 (a). The water closet may be located with the clear floor area at either the right or left side of the toilet.

(2). Height.
The height of water closets shall be at least 15 in (380 mm) and no more than 19 in.(485mm), measured to the top of the toilet seat.

(3). Grab Bars.
Grab bars shall be installed in Fig. 29 and shall comply with 4.26, or structural reiforcement or other provisions shall be made that will allow installation of grab bars in the locations shown in Fig. 47(b).

(4). Dispensers.
Toilet paper dispensers shall be installed within reach, as shown in Fig. 27 (b).

4.32.4.3 Lavatory, Mirrors, and Medicine Cabinet.

(1). The lavatory and mirrors shall comply with 4.19.

(2). If the cabinet is provided under the lavatory, it shall provide , or shall be accessible to provide, the the clearance specified in 4.19.2.

(3). If the medicine cabinet is provided above the lavatory, then the bottom of the medicine cabinet shall be located with a usable shelf no higher than 44 in. (1120 mm) above the floor.

4.32.4.4 BATHTUBS.

4.32.4.4 If a bathtub is provided, it shall have the following features:

(1). FLOOR SPACE. Clear floor space at bathtubs shall be as shown in Fig. 33.

(2). SEAT. An in–tub seat or a seat at the head end of the tub shall be provided as shown in Fig. 33 and Fig.34. The structural strenght of seats and their attachments shall comply with 4.24.3. Seats shall be mounted securely and shall not slip during use.

(3). GRAB BARS. Grab bras shall be installed within the range of heights shown in Fig. 34 and shall comply with 4.24, or structural reinforcement or other provisionsare as shown in Fig. 48, shall be made that will not allow installation of grab bars meeting these requirements.

(4). CONTROLS. Faucets and other controls shall be located as shown in Fig. 34 and shall comply with 4.25.4.

(5). SHOWER UNITS. A shower spray unit shall be provided with a hose at least 60 in (1525 mm) long that can be used as a hand–held shower. If an adjustable–height shower head mounted on a vertical bar is used, the bar shall be installed so as not to obstruct the use of grab bars.

4.32.4.5 SHOWERS.

4.32.4.5 If a shower is provided, it shall have the following features:

(1). SIZE AND CLEARANCES. Shower stall size and clear floor space shall comply with either Fig. 35(a) or (b). The shower The shower stall in Fig. 35(b) shall be 36 in (915 mm by 915 mm). The shower stall in Fig. 35(b) will fit all into the same, space as a standard bathtub, 60 in (1525 mm) long.

(2). SEAT. A seat shall be provided in the shower stall in Fig. 35(a) as shown in Fig 36. The seat shall be 17 in. to 19 in. (430 mm to 485 mm) high measured from the bathroom floor and shall extend the full depth of the stall. The seat shall be on the wall opposite the controls. The structural strenght of seats and their attachments shall comply with 4.24.3. Seats shall be mounted securely and shall not slip during use.

(3). GRAB BARS. Grab bars shall be installed within the range of heights shown in Fig. 37 and shall comply with 4.24, or structural reinforcement or other provisions, as shown in Fig 49, shall be made that will allow installation of grab bars meeting these requirements.

(4). CONTROLS. Faucets and other controls shall be located as shown in Fig.37 and shall comply with 4.25.4. In the shower stall in Fig. 35(a), all controls, faucets, and shower unit shall be mounted on the side wall opposite the seat.

(5). SHOWER UNIT. A shower spray unit shall be provided with a hose at least 60 in (1525 mm) long that can be use as a fixed shower head at various height or as a hand–held shower. If an adjustable–height shower head mounted on a vertical bar is used, the bar shall be installed so as not to obstruct the use of grab bars.

4.32.4.6 BATHTUB AND SHOWER ENCLOSURE.

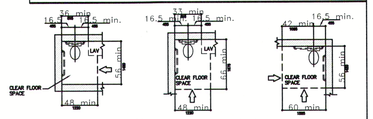
Enclosures for bathtubs or shower stall not obstruct controls or transfer from wheelchairs onto shower or bathtub seats. Enclosures on bathtubs shall not have tracks mounted on their rims.

4.32.4.7 CLEAR FLOOR SPACE.

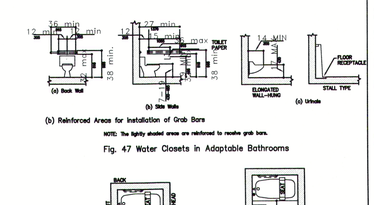
Clear floor space may overlap.

Table 1
Graphic Conventions

Accessible Element or Space	Section	Application (to the Extent Specified by the Adopting Authority)
1. Space allowances	4.2	All rooms and spaces
2. Accessible routes	4.3	(a) Within dwelling unit to all rooms and spaces (b) Connecting accessible dwelling unit(s) to accessible entrance(s) and to common–use spaces and facilities.
3. Floor surfaces	4.5	(c) From public transportation stops, accessible parking spaces, accessible passenger–loading zones, and public streets or sidewalks to accessible building entrance(s).
4. Parking and passenger–loading zones	4.6	(d) Connecting accessible buildings facilities, elements, and spaces that are on the same site
5. Windows	4.12	(e) Connecting accessible buildings facilities, entrances with accessible spaces and elements within the building or facility.
6. Doors	4.13	Accessible routes, rooms, and spaces
7. Entrances	4.14	If provided at facilities
8. Storage	4.25	If operable windows are provided within dwelling units
9. Controls		At entrances to and in accessible spaces
		To dwelling units
		If provided in accessible spaces
		Within dwelling units, including heating, ventilating and airconditioning equipment (other than air distribution registers) requiring regular, periodic maintenance and adjustment by the occupant of the dwelling unit
10. Emergency alarms	4.28	If provided within the dwelling unit
11. Bathrooms	4.32.4	Design for fixed installation of grab bars within specified range of heights, or with provision for subsequent addition of grab bars within the range
12. Kitchens	4.32.5	Work surfaces and sinks designed for fixed installation within specified range of heights, or for adjustable heights within the range
13. Laundry facilities	4.32.6	If provided in dwelling unit or if common–use facility serving dwelling unit
14. Common–use spaces and facilities	4.2, through 4.32	If provided at facility and serving accessible dwelling unit
15. Patios, terraces, balconies, carports, and garages	4.2, through 4.32	If provided with accessible dwelling unit



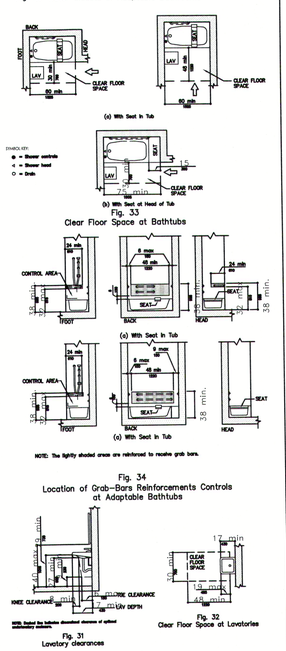
(a) Clear Floor Space at Water Closets



(b) Reinforced Areas for Installation of Grab Bars

NOTE: The lightly shaded areas are reinforced to receive grab bars.

Fig. 47 Water Closets in Adaptable Bathrooms



KITCHEN REQUIREMENTS

4.32.5 KITCHEN.

4.32.5 General.
Accessible kitchens and their components shall be on an accessible route and shall comply with the requirements of 4.32.5.

4.32.5.1 Clearance.
Where counters provide the knee clearances specified in 4.18.2, clearances between those counters and all opposing base cabinets, countertops, appliances, or walls in kitchens shall be 60 in. (1015 mm) minimum, except in U–shape kitchens, where such clearance shall shall be 80 in. (1525 mm) minimum.

4.32.5.2 Clear Floor Space.
A clear floor space of least 30 in. by 48 in. (760 mm by 1220 mm) complying with 4.2.4 that allows either a forward or a parallel approach by a person in a wheelchair shall be provided at all appliances in the kitchen, including the range or cooktop, oven, refrigerator/freezer, dishwasher, and trash compactor. Laundry equipment located in the kitchen shall comply with. 4.32.6.

4.32.5.3 Controls.
All controls in the kitchen shall comply with 4.25.

4.32.5.4 Work Surfaces.
At least one 30–in. (760–mm) section of the counter shall provide a work surface that complies with the following requirements (see Fig. 50):

(1). The counter shall be adjustable or replaceable as a unit at variable heights between 28 in. and 36 in. (710 mm and 915 mm), measured from the floor to the top of the counter surface, or shall be mounted at a fixed height no greater than 34 in (865 mm), measured from the floor to the top of the counter surface.

(2). Base cabinets, if provided, shall be removable under the full 30 in. (760 mm) minimum frontage of the counter. The finished floor shall extend under the counter to the wall.

(3). Counter thickness and supporting structure shall be 2 in. (51 mm) maximum over the required clear area.

(4). A clear floor space of 30 in. by 48 in. (760 mm by 1220 mm) shall allow a forward approach to the counter. Nineteen inches (485 mm) maximum of the clear floor space may extend underneath the counter. The knee space shall have a minimum clear width of 30 in. (760 mm).

(5). There shall be no sharp or abrasive surfaces under such counters.

4.32.5.5* Sink.
The sink and surrounding counter shall comply with the following requirements (see Fig. 51):

(1). The sink and surrounding counter shall be adjustable or replaceable as a unit at variable heights between 28 in. and 36 in. (710 mm and 915 mm), measured from the finished floor to the top of the counter surface or sink rim, or shall be mounted at fix height no greater than (865 mm), measured from the finished floor to the top of the counter surface or sink rim.

(2). Where sinks are installed to be adjustable in height, rough–in plumbing shall be located to accept connections of supply and drain pipes for sinks mounted at the height of 28 in. (710 mm).

(3). The depth of a sink bowl shall be no greater than 6 1/2 in. (165 mm). Only one bowl of double–bowl or triple–bowl sinks needs to meet this requirements.

(4). Faucets shall comply with 4.25.4. Lever–operated or push–type mechanisms are two acceptable designs.

(5). Base cabinets, if provided, shall be removable under the full 30–in (760–mm) minimum frontage of the sink and surrounding counter. The flooring shall extend under the counter to the wall.

(5). Base cabinets, if provided, shall be removable under the full 30–in (760–mm) minimum frontage of the sink and surrounding counter. The

(6). Counter thickness and supporting structure shall be 2 in. (50 mm) maximum over the required clear space.

(7). A clear floor space of 30 in. by 48 in. (760 mm by 1220 mm) shall allow forward approach to the sink. Nineteen in. (485 mm) maximum of the clear floor space shall have a minimum clear width of 30 in (760 mm).

(8). There shall be no sharp or abrasive surfaces under sinks. Hot–water pipes under sink shall be insulated or otherwise covered.

4.32.5.6* Ranges and Cooktops.
Ranges and cooktops shall comply with 4.32.5.2 and 4.32.5.3. If ovens or cooktops have knee spaces underneath, then they shall be insulated or otherwise protected on the exposed contact surfaces to prevent burns, scrapes, or electrical shock. The clear floor space may overlap knee space, if provided by 19 in. (485 mm) maximum. The location of controls for ranges and cooktops shall not require reaching across burners.

4.32.5.7* Ovens.
Ovens shall comply with 4.32.5.2 and 4.32.5.3. Ovens shall be of the self–cleaning type or be located adjacent to an adjustable height counter with knee space (see Fig. 51). For side–opening ovens, the door latch side shall be next to an open counter space, and there shall be a pull–out shelf under the oven extending the full width of the oven and pulling out not less than 10 in. (255 mm) when fully extended. Ovens shall have controls on front panels; they may be located on either side of the door.

4.32.5.8* Refrigerator/Freezers.
Refrigerator / freezers shall comply with 4.32.5.3. Provision shall be made for refrigerator that are

(1). Of the vertical side–by–side refrigerator / freezer type; or

(2). Of the over–and–under type and meet the following requirements: shall allow forward approach to the sink. Nineteen in. (485 mm)

(a). Have at least 50 percent of the freezer space below 54 in. (1370 mm) above the floor.

(b). Have 100 percent of refrigerator space and controls below 54 in. (1370 mm).

Freezers with less than 100 percent of the storage volume within the limits specified in 4.3.5 or 4.2.6 shall be the self defrosting type.

4.32.5.9 Dishwashers.
Dishwashers shall comply with 4.32.5.2 and 4.32.3. Dishwashers shall have all rack space accessible from the front of the machine for loading and unloading dishes.

4.32.5.10* Kitchen Storage.
Cabinets, drawers, and shelf storage areas shall comply with 4.23 and shall have the following features.

(1). Maximum height shall be 48 in. (1220 mm) for at least one shelf of all cabinets and storage shelves mounted above work counters (see Fig. 50).

(2). Door pulls or handles for wall cabinets shall be mounted as close to the bottom of the cabinet doors as posible. Door pulls or handles for base cabinets shall be mounted as close to the top of cabinet doors as possible.

4.32.6 LAUNDRY FACILITIES.

4.32.6 General.
If Laundry equipment is provided within individual accessible dwelling units, or if separate laundry facilities serve one or more accessible dwelling units, they shall meet the requirements of 4.32.6.3.

4.32.6.1 Location.
Laundry facilities and laundry equipment shall be on an accessible route.

4.32.6.2 Washing Machines and Clothes Dryers.
Washing machines and clothes dryers in common–use laundry rooms shall be front loading.

4.32.6.3 Controls.
Laundry equipment shall comply with 4.25.

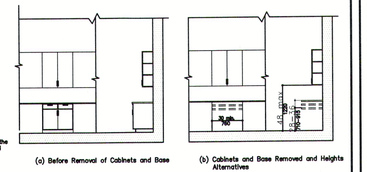
4.23 STORAGE.

4.23.1 General.
Accessible storage facilities such as cabinets, shelves, closets, and drawers shall comply with 4.23.

4.23.2 Clear Floor Space.
A clear floor space at least 30 in. by 48 in. (760 mm by 1220 mm) complying with 4.2.4 that allows either a forward or parallel approach by a person using a wheelchair shall be provided at accessible storage facilities.

4.23.3 Height.
Accessible storage spaces shall be within at least one of the reach ranges specified in 4.2.5. and 4.2.6. Clothes rods shall be a maximum of 54 in. (1370 mm) from the floor (see Fig. 38).

4.23.4 Hardware.
Hardware for accessible storage facilities shall comply with 4.25.4. Touch latches and U–shaped pulls are acceptable.



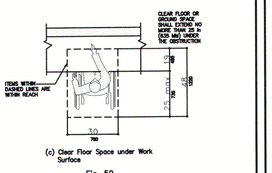


Fig. 50
Counter Work Surface

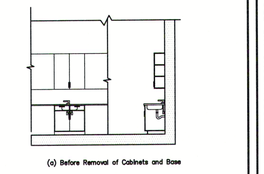


Fig. 51
Kitchen Sink

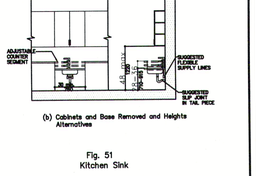
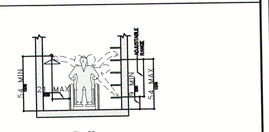


Fig. 52
Ovens without Self–Cleaning Features


Fig. 38
Storage Shelves and Closets

GENERAL REQUIREMENTS

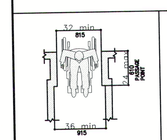


Fig. 1
Minimum Clear Width for Single Wheelchair

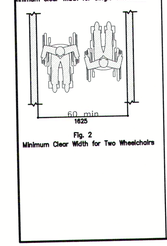
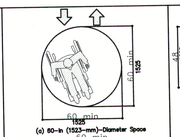


Fig. 2
Minimum Clear Width for Two Wheelchairs



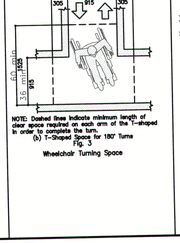
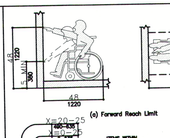


Fig. 3
Wheelchair Turning Space



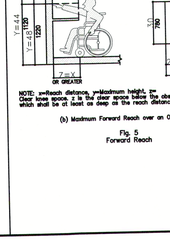
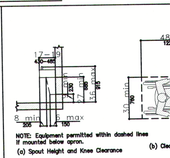


Fig. 5
Forward Reach



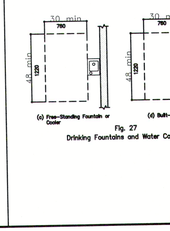


Fig. 27
Drinking Fountains and Water Coolers

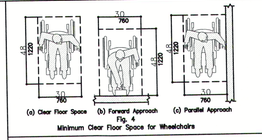


Fig. 4
Minimum Clear Floor Space for Wheelchairs

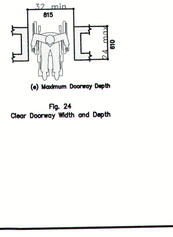


Fig. 24
Clear Doorway Width and Depth

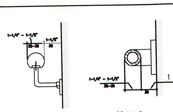


Fig. 39
Size and Spacing of Handrails and Grab Bars

4.24 GRAB BARS, and TUB and SHOWER SEAT.

4.24.1 General.
All grab bars and tub and shower seats in accessible toilet or bathing facilities shall comply with 4.24.

4.24.2 Size and Spacing of Grab Bars.
The diameter f width of the gripping surfaces of a grab bar shall be 1 1/4 in. to 1 1/2 in. (32 mm to 38 mm), at the shape shall provide an equivalent gripping surface. If grab bars are mounted adjacent to a wall, the space between the wall and the grab bar shall be 1 1/2 in. (38 mm) (see Fig. 39(a).

Graphic Conventions

Convention	Description
36 / 915	Typical dimension line showing U.S. customary units (in inches) above the line and SI units (in millimeters) below
9 / 230	Dimensions for short distances indicated on arrow
28–36 / 710–915	Dimension line showing range of dimensions
max / min	Direction of approach Maximum Minimum
	Boundary of clear floor area
	Centerline

TYPICAL MOUNTING HEIGHTS:

APARTMENTS:
RECEPTACLES: 18" AFF
LIGHT SWITCHES 48" AFF
WALL SCONCES: 6'-8" AFF
TELEPHONE: 18" AFF
THERMOSTAT: 48" AFF
APT. PANEL: 48" AFF TO TOP BREAKER
INTERCOM: 48" AFF TO TOP BUTTON
HOMEWORK COUNTER: 36" AFF
KITCHEN COUNTER GFI: 42"
REFRIGERATOR: 42" AFF TO HANDLE
BATHROOM GFI: 44" AFF
BATHROOM LIGHT SWITCH: 48" AFF

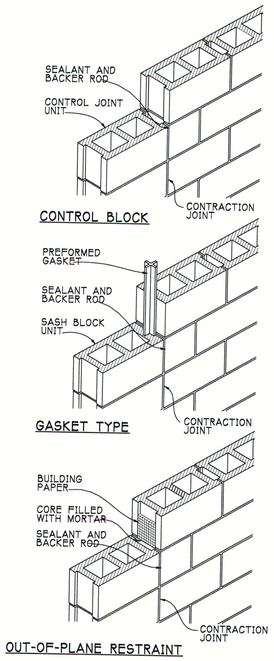
COMMON AREAS:
RECEPTACLES: 18" AFF
LIGHT SWITCHES: 48" AFF
TELEPHONE/DATA: 18" AFF
THERMOSTATS: 45" AFF

THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB– CONTRACTORS OR ANY PERSON PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. GERALD J. CALIENDO ARCHITECT, P.C. AND ITS PRINCIPAL/EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

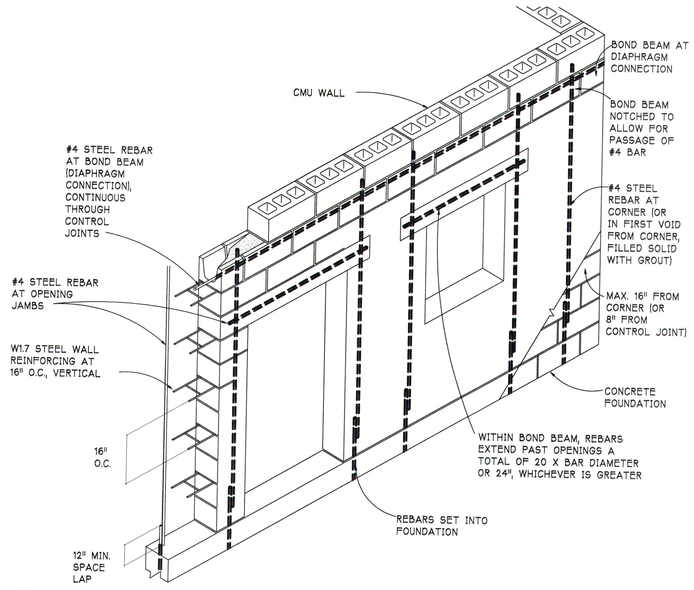
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CONSULTANTS:

Fabian Cruz, PE
800 College Point Bl



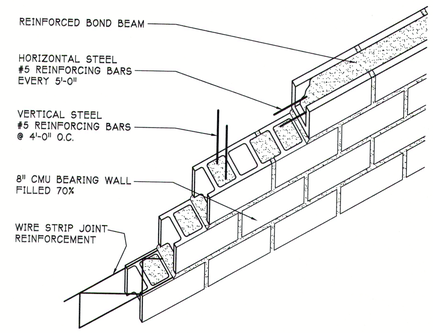
1 **CONTROL JOINTS IN EXTERIOR BEARING WALLS**
SCALE: 3/4" = 1'-0"



NOTE

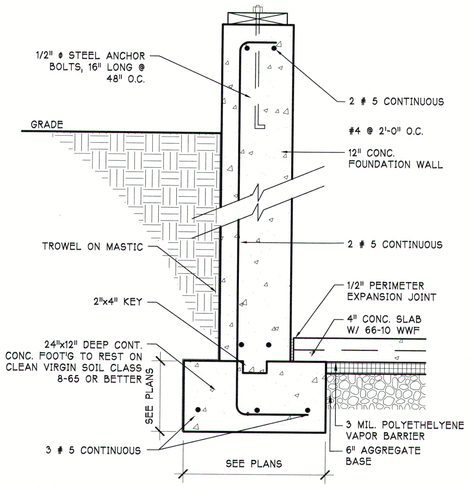
Standard construction practice for masonry crack control requires W1.7 at 16 in. o.c., which would cover seismic requirements as well. W1.7 steel reinforcement at 8 in. o.c. should be used in parapet locations.

2 **REINFORCED CONC. BLOCK WALL**
SCALE: 3/4" = 1'-0"

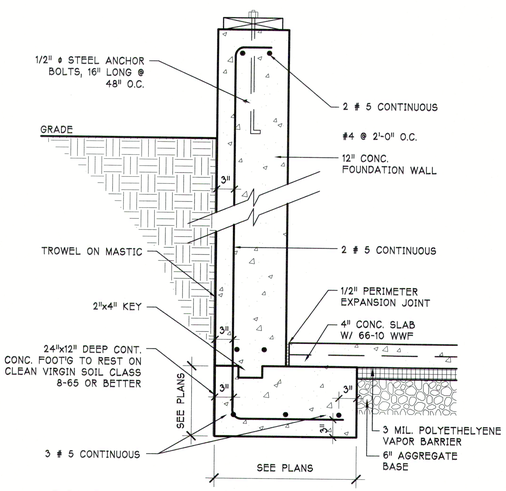


3 **REINFORCED CONC. BLOCK WALL**
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4

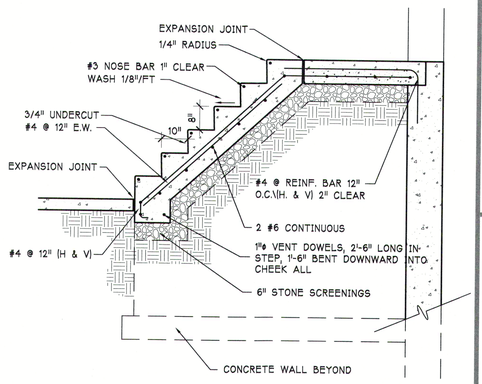


CONC. FOOTING DETAIL
SCALE: 1" = 1'-0"



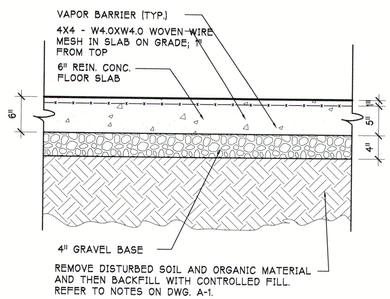
CONC. FOOTING DETAIL (@ PROP. LINE)
SCALE: 1" = 1'-0"

5

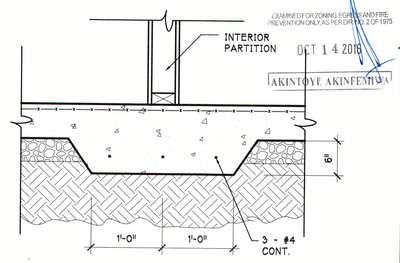


CONCRETE STAIR DETAIL
SCALE: 1/2" = 1'-0"

6



7 **CONCRETE FLOOR SLAB DETAIL**
SCALE: 1" = 1'-0"



8 **CONCRETE HAUNCH DETAIL**
SCALE: 1" = 1'-0"

THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. GERALD J. CALIENDO ARCHITECT, P.C. AND ITS PRINCIPAL/EMPLOYEES MERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

Gerald J. Caliendo, R.A., A.I.A.
Architect, P.C.

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Interior Design
Code Consultant
Building Dept. Expediting

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DRAWING TITLE: Site & Concrete Details

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY:	CHECKED BY:	JOB NO:	SCALE:	DATE
SF/MK	GJC	15109	AS NOTED	4/1/16

NO.	DATE	REVISION

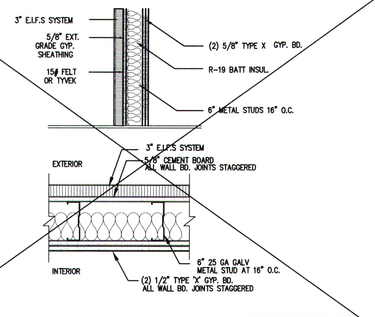
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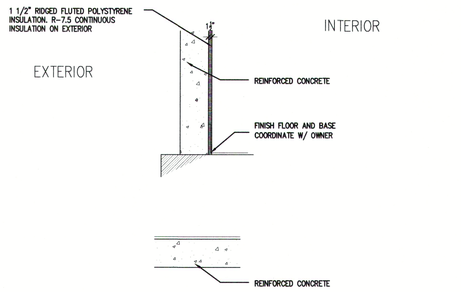
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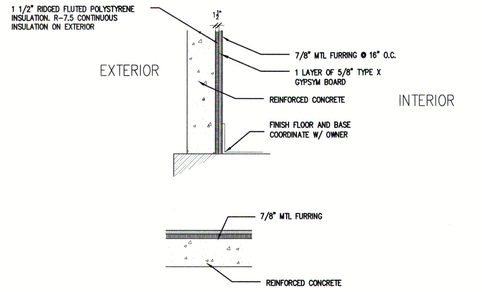
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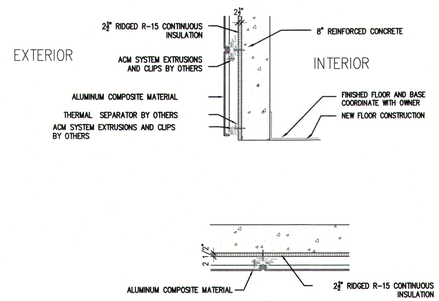
1 TWO HOUR RATED EXTERIOR WALL (1) PLAN SYMBOL
SCALE: 1 1/2" = 1'-0"



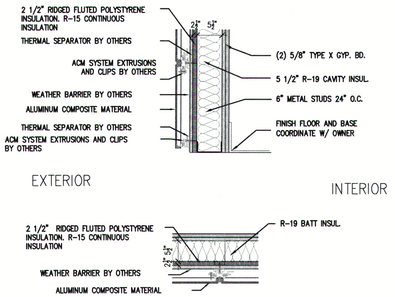
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SCALE: 1 1/2" = 1'-0"



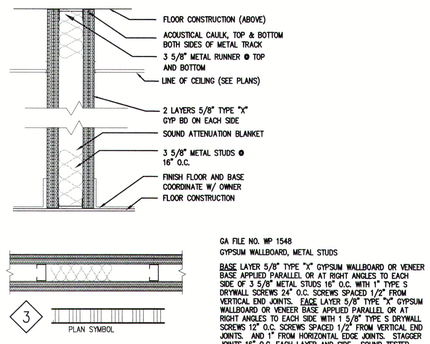
1B CONCRETE WALL W/ FURRING (1B) PLAN SYMBOL
SCALE: 1 1/2" = 1'-0"



1C 8" CONCRETE WALL W/ ALUMINUM PANEL (1C) PLAN SYMBOL
SCALE: 1 1/2" = 1'-0"



2 TWO HOUR RATED EXTERIOR WALL (2) PLAN SYMBOL
SCALE: 1 1/2" = 1'-0"

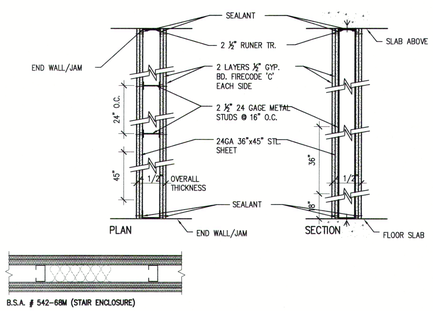


3 TWO HOUR RATED PARTITION (3) PLAN SYMBOL
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GA FILE NO. WP 1548
GYPSUM WALLBOARD, METAL STUDS

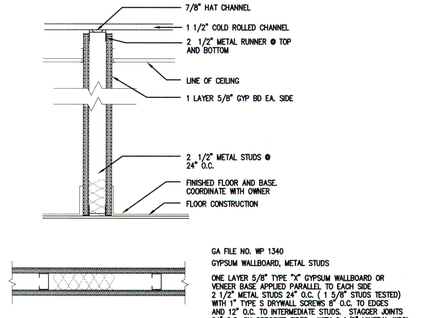
BASE LAYER 5/8" TYPE "X" GYPSUM WALLBOARD OR VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 3 5/8" METAL STUDS 16" O.C. WITH 1" TYPE S DRYWALL SCREWS 24" O.C. SCREWS SPACED 1/2" FROM VERTICAL END JOINTS. FACE LAYER 5/8" TYPE "X" GYPSUM WALLBOARD OR VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE WITH 1 5/8" TYPE S DRYWALL SCREWS 12" O.C. SCREWS SPACED 1/2" FROM VERTICAL END JOINTS. AND 1" FROM HORIZONTAL EDGE JOINTS. STAGGER JOINTS 16" O.C. EACH LAYER AND SIDE. SOUND TESTED WITH 3 5/8" GLASS FIBER IN STUD SPACE.

B.S.A. # 301-60-SM



B.S.A. # 542-68M (STAIR ENCLOSURE)

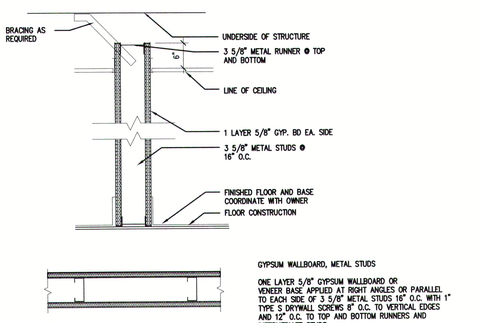
3A TWO HOUR RATED PARTITION (3A) MASONRY EQUIVALENT PLAN SYMBOL
SCALE: 1 1/2" = 1'-0"



GA FILE NO. WP 1340
GYPSUM WALLBOARD, METAL STUDS

ONE LAYER 5/8" TYPE "X" GYPSUM WALLBOARD OR VENEER BASE APPLIED PARALLEL TO EACH SIDE 2 1/2" METAL STUDS 24" O.C. (1 5/8" STUDS TESTED) WITH 1" TYPE S DRYWALL SCREWS 8" O.C. TO EDGES AND 12" O.C. TO INTERMEDIATE STUDS. STAGGER JOINTS 24" O.C. ON OPPOSITE SIDES. WITH 2 1/2" MINERAL WOOL

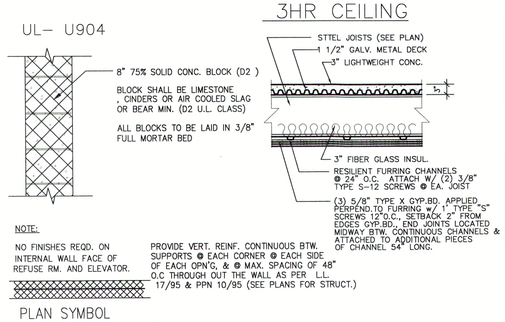
5 ONE HOUR RATED PARTITION (5) PLAN SYMBOL
SCALE: 1 1/2" = 1'-0"



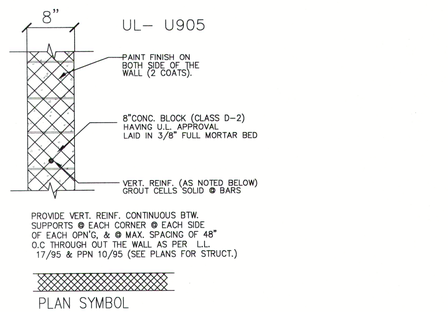
GYPSUM WALLBOARD, METAL STUDS

ONE LAYER 5/8" GYPSUM WALLBOARD OR VENEER BASE APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 3 5/8" METAL STUDS 16" O.C. WITH 1" TYPE S DRYWALL SCREWS 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS.

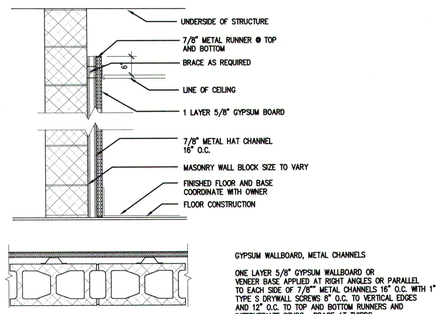
6 NON-RATED PARTITION (6) PLAN SYMBOL
SCALE: 1 1/2" = 1'-0"



7 3 HR MASONRY WALL
SCALE: 1 1/2" = 1'-0"



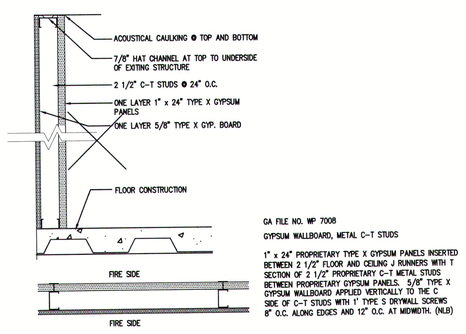
8 2 HR MASONRY WALL
SCALE: 1 1/2" = 1'-0"



GYPSUM WALLBOARD, METAL CHANNELS

ONE LAYER 5/8" GYPSUM WALLBOARD OR VENEER BASE APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 7/8" METAL CHANNELS 16" O.C. WITH 1" TYPE S DRYWALL SCREWS 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS. BRACE AT THIRDS.

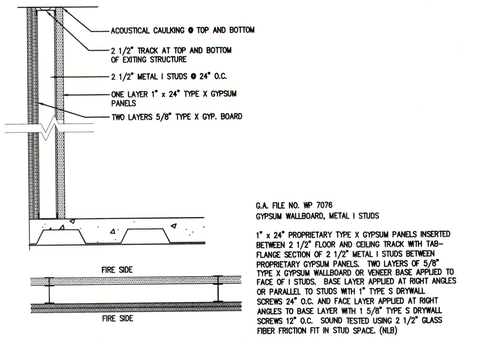
9 FURRED MASONRY WALL
SCALE: 1 1/2" = 1'-0"



GA FILE NO. WP 7008
GYPSUM WALLBOARD, METAL C-T STUDS

1" x 24" PROPRIETARY TYPE X GYPSUM PANELS INSERTED BETWEEN 2 1/2" FLOOR AND CEILING J RUNNERS WITH T SECTION OF 2 1/2" PROPRIETARY C-T METAL STUDS BETWEEN PROPRIETARY GYPSUM PANELS. 5/8" TYPE X GYPSUM WALLBOARD APPLIED VERTICALLY TO THE C SIDE OF C-T STUDS WITH 1" TYPE S DRYWALL SCREWS 8" O.C. ALONG EDGES AND 12" O.C. AT MIDWIDTH. (NLB)

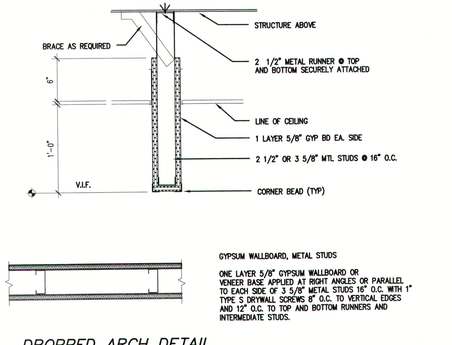
10 ONE HOUR RATED SHAFT (10) PLAN SYMBOL
SCALE: 1 1/2" = 1'-0"



G.A. FILE NO. WP 7076
GYPSUM WALLBOARD, METAL I STUDS

1" x 24" PROPRIETARY TYPE X GYPSUM PANELS INSERTED BETWEEN 2 1/2" FLOOR AND CEILING TRACK WITH TAB-FLANGE SECTION OF 2 1/2" METAL I STUDS BETWEEN PROPRIETARY GYPSUM PANELS. TWO LAYERS OF 5/8" TYPE X GYPSUM WALLBOARD OR VENEER BASE APPLIED TO FACE OF I STUDS. BASE LAYER APPLIED AT RIGHT ANGLES OR PARALLEL TO STUDS WITH 1" TYPE S DRYWALL SCREWS 24" O.C. AND FACE LAYER APPLIED AT RIGHT ANGLES TO BASE LAYER WITH 1 5/8" TYPE S DRYWALL SCREWS 12" O.C. SOUND TESTED USING 2 1/2" GLASS FIBER FRICTION FIT IN STUD SPACE. (NLB)

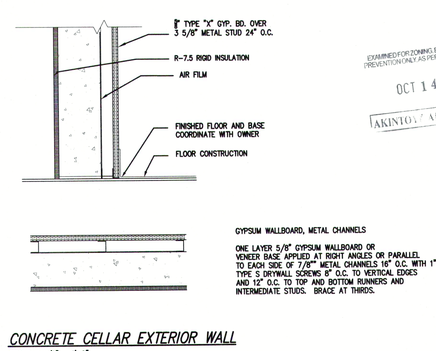
11 TWO HOUR RATED SHAFT (11) PLAN SYMBOL
SCALE: 1 1/2" = 1'-0"



GYPSUM WALLBOARD, METAL STUDS

ONE LAYER 5/8" GYPSUM WALLBOARD OR VENEER BASE APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 3 5/8" METAL STUDS 16" O.C. WITH 1" TYPE S DRYWALL SCREWS 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS.

13 DROPPED ARCH DETAIL
SCALE: 1 1/2" = 1'-0"



GYPSUM WALLBOARD, METAL CHANNELS

ONE LAYER 5/8" GYPSUM WALLBOARD OR VENEER BASE APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 7/8" METAL CHANNELS 16" O.C. WITH 1" TYPE S DRYWALL SCREWS 8" O.C. TO VERTICAL EDGES AND 12" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS. BRACE AT THIRDS.

CONCRETE CELLAR EXTERIOR WALL
SCALE: 1 1/2" = 1'-0"

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DRC NO. 1 OF 1975
OCT 1 4 2016
AKINTOLA AKINFEMIWA

THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. GERALD J. CALIENDO ARCHITECT, P.C. AND ITS PRINCIPAL/EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

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DRAWING TITLE: Wall Details

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

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SF/MK	GJC	15109	AS NOTED	4/1/16

NO.	DATE	REVISION

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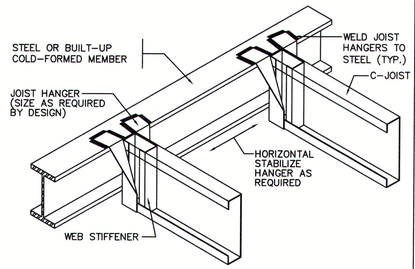
REGISTERED ARCHITECT GERALD J. CALIENDO 020241 STATE OF NEW YORK

DEPT BLDGS Job No 220517527
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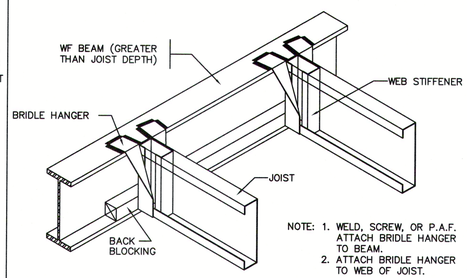
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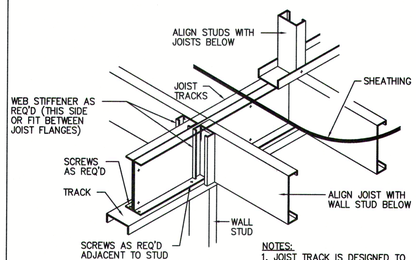


1 JOISTS SUPPORTED BY STEEL BEAM
NTS



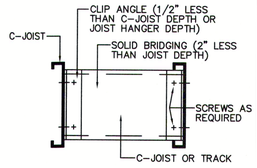
NOTE: 1. WELD, SCREW, OR P.A.F. ATTACH BRIDLE HANGER TO BEAM.
2. ATTACH BRIDLE HANGER TO WEB OF JOIST.

2 FLOOR SYSTEMS / CONNECTION TO WF BEAM
NTS



NOTES:
1. JOIST TRACK IS DESIGNED TO SUPPORT JOISTS AND/OR WALL ABOVE BETWEEN STUDS.

3 JOISTS SUPPORTED ON STUDS (ALTERNATE)
NTS



4 BLOCKING
NTS

SPECIFICATION

SUGGESTED INSPECTION ITEMS – JOISTS

1. THE JOISTS SHALL BE INSTALLED LEVEL AND TRUE.
2. THE JOISTS SHALL BE CHECKED FOR CONFORMANCE TO DRAWINGS AND CALCULATIONS TO INSURE THAT THE PROPER (OR GREATER) GAGE AND DEPTH OF JOISTS WERE USED AND INSTALLATION DID NOT EXCEED THE SPECIFIED JOIST SPACING.
3. THE ENDS OF CONTINOUS JOISTS AND THE ENDS OF SIMPLE SPAN JOISTS SHALL BE REINFORCED WITH ONE OF THE FOLLOWING: STEEL HANGER, STEEL CLIP ANGLE OR STEEL STUD SECTION (16 GA. MINIMUM). THIS REINFORCEMENT STIFFENS THE JOIST WEB. THESE WEB STIFFENERS MUST ALIGN WITH ANY VERTICALLY IMPOSED LOADS.
4. THE DECK MATERIAL SHALL BE FASTENED IN A REGULAR PATTERN AND PULLED TIGHT TO EACH JOIST. MAXIMUM FASTENER SPACING SHOULD BE AS FOLLOWS: STEEL DECK, 12 INCHES O.C.; PLYWOOD, 12 INCHES O.C. FOR SCREWS, 12 INCHES O.C. FOR NAILS WITH APPROVED ADHESIVE, AND 6 INCHES O.C. AT EDGES FOR ALL PLYWOOD DECKS.
5. VERTICAL ALIGNMENT (PLUMBNESS) OF STUDS SHALL BE WITHIN (1/8" IN 10'–0") OF THE SPAN, HORIZONTAL ALIGNMENT (LEVELNESS) OF WALLS SHALL BE WITHIN (1/8" IN 10'–0") OF THE RESPECTIVE LENGTHS.
6. HEADERS AND TRIMMERS FOR OPENINGS IN STEEL JOIST SHALL BE FRAMED WITH BUILT–UP MEMBERS AS PER DETAILS ON THIS SHEET.

SCREW HEAD STYLES – DEFINITION

SELF–DRILLING SCREWS ARE MANUAFACTURED IN A VARIETY OF HEAD CONFIGURATIONS TO MEET SPECIFIC INSTALLATION NEEDS. THE MOST COMMON DRIVING RECESS FOR THE SCREW HEAD IS THE NO. 2 PHILLIPS DESIGN, BUT OTHERS ARE ALSO AVAILABLE.



PAN HEAD: THIS COMMON HEAD CONFIGURATION GENERALLY FASTENS STUDS TO TRACK, CONNECTS STEEL BRIDGING, STRAPPING OR FURRING CHANNELS TO STUDS OR JOISTS, AND STEEL DOOR FRAMES TO STUDS.



HEX WASHER HEAD: FOR PENETRATING STEEL AND IS MORE COMMONLY USED ON THIKOER STEEL MATERIALS. THE WASHER FACE PROVIDES A BEARING SURFACE FOR THE DRIVER SOCKET, ASSURING GREATER STABILITY DURING DRIVING. THE 1/4" SIZE HEAD IS MOST COMMON. A 5/16" HEAD IS USUALLY REQUIRED FOR HEAVY APPLICATION. (NOTE: AN ALTERNATE LOWER PROFILE HEAD SHOULD BE CONSIDERED WHEN RIGID FINISH MATERIALS ARE TO BE APPLIED ACROSS THE TOP OF THESE SCREWS).



LOW–PROFILE HEAD: MAINTAINS A PLEASING APPERANCE AT FASTENING POINTS WHERE THE APPLICATION DOES NOT REQUIRE HEADS THAT ARE FLUSH WITH THE SURFACE. THIS STYLE SHOULD BE USED WHEN RIGID SHEATHING OR FINISH MATERIAL IS TO BE INSTALLED OVER TOP OF THE SCREW HEAD.



BUGLE HEAD: DESIGNED TO COUNTERSINK SLIGHTLY IN GYPSUM WALLBOARD OR SHEATHING, PLYWOOD OR FINISH MATERIAL WITHOUT CRUSHING THE MATERIAL OR TEARING THE SURFACE. LEAVES A FLAT, SMOOTH SURFACE FOR EASY FINISHING.



FLAT HEAD: DESIGNED TO COUNTERSINK AND SIT FLUSH WITHOUT CAUSING SPLINTERING OR SPLITTING OF WOOD FLOORING AND FINISHES.



WAFER HEAD: LARGER THAN THE FLAT OR BULGE HEAD, THE WAFER HEAD IS USED FOR CONNECTING SOFT MATERIALS TO STEEL STUDS. THE LARGER HEAD PROVIDES AN AMPLE BEARING SURFACE YET SITS FLUSH TO ACHIEVE A CLEAN, FINISHED APPEARANCE.



LATH HEAD: AN EXTREMELY LOW PROFILE HEAD COMMONLY USED FOR ATTACHING METAL LATH TO STEEL FRAMING (ALSO REFFERRED TO AS WAFER HEAD).



TRIM HEAD: USED FOR FASTENING WOOD TRIM OR OTHER THICK DENSE FINISH MATERIALS TO STEEL STUDS. THE SMALL HEAD SINKS INTO THE TRIM MATERIAL, ALLOWNG EASY FINISHING WITH MINIMAL DISTURBANCE OF THE MATERIAL SURFACE.



OVAL HEAD: USED WHEN AN ACCESSORY THAT WILL BE ATTACHED TO THE FRAMING HAS OVERSIZED HOLES OR REQUIRES A LOW PROFILE APPERANCE. THIS TYPE IS USED FOR ATTACHING CABINETS AND BRACKETS TO FRAMING.

SCREW POINT TYPE AND THREAD CONFIGURATIONS:

THERE ARE TWO COMMON SCREW POINT DESIGNATIONS USED IN COLD–FORMED STEEL FRAIMG: TYPE "S" AND TYPE "S–12", WHICH GENERALLY REFERS TO ASTMC–1002 AND ASTM C–954 TYPE SCREWS, RESPECTIVELY. THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) DESIGNATIONS REFER TO SPECIFICATIONS FOR STEEL SCREWS FOR THE APPLICATION OF GYPSUM BOARD OR METAL PLASTER BASES TO STEEL STUDS. TYPE "S" IS FOR STEEL UP TO 0.035" THICK AND MAY HAVE A SHARP NEEDLE OR PIERCING POINT SIMILAR TO THAT USED ON WOOD SCREWS, OR IT MAY BE FLUTED TO AID IN THE DRILLING PROCESS. TYPE "S–12" IS DESIGNED FOR STEEL UP TO 0.112" THICK AND HAS A SHORTER, FLUTED TIP. FOR THICKER MATERIALS, CONTACT THE MANUFACTURER FOR THE PROPER POINT TYPE.



Type S needle point, fluted needle point, and Type S–12 fluted point.

SCREW DIAMETER SIZE:

SCREWS ARE AVAILABLE IN THE FOLLOWNG SIZES: #6, #7, #8, #9, #10, #11, #12, #13, 1/4, #14, WHERE #6 IS THE SMALLEST IN DIAMETER. SIZES SHOULD BE SPECIFIED BASED ON THE REQUIRED CAPACITY OF THE CONNECTION, THE LENGTH OF THE SCREW AND THE THICKNESS OF THE STEEL. THE MOST COMMON SIZE RANGE IS FROM #6 TO #10. TABLE 1 PROVIDES SOME GUIDANCE ON THE DIAMETER SIZES TYPICALLY REQUIRED FOR VARIOUS THICKENS OF STEEL. CONTACT SCREW MANUFACTURERS FOR ASSISTANCE ON THE DIAMETER SIZES THAT ARE AVAILABLE IN VARIOUS LENGTHS.

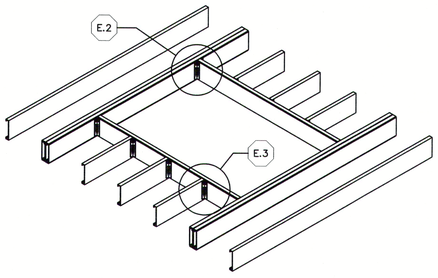
Table 1: Screw Diameter Size Guidelines Based on Total Thickness of Steel

Common Size	Nominal Diameter	Total Thickness (in.)	
#6	0.138	UP TO	0.110
#7, #8	0.151, 0.164		0.140
#10	0.190		0.175
#12	0.216		0.210*
1/4	0.250		0.210*

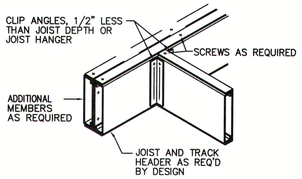
* Greater thicknesses are possible, consult a screw manufacturer.

SCREW LENGTH:

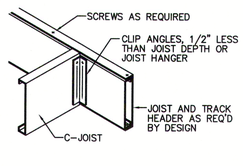
SCREWS SHOULD BE APPROXIMATELY 3/8" TO 1/2" LONGER THAN THE TOTAL MATERIAL WHERE #6 IS THE SMALLEST IN DIAMETER. SIZES SHOULD BE SPECIFIED BASED ON THE THICKNESS. A MINIMUM OF 3 EXPOSED THREADS SHOULD EXTEND THROUGH THE STEEL TO ASSURE AN ADEQAUTE CONNECTION. TABLE 2 SUMMARIZES THE VARIOUS LENGHTS OF SCREWS USED FOR DIFFERENT MATERIAL THICKNESSES. THE SIZES SHOWN IN THE "SCREW LENGTH TABLE" ARE THOSE COMMONLY USED IN COLD–FORMED STEEL FRAMING, BUT BY NO MEANS COVER ALL AVAILABLE SIZES. MANUFACTURERS CAN PROVIDE A MORE COMPLETE LIST OF AVAILABLE PRODUCTS.



E.1 TYPICAL OPENING

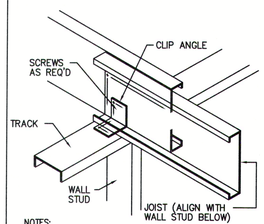


E.2 JOIST HEADER TO BUILT–UP JOISTS



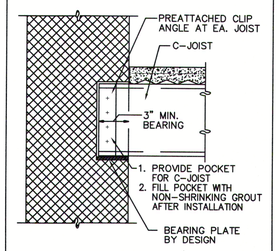
E.3 JOIST TO JOIST HEADER

5 OPENINGS IN JOISTS
NTS

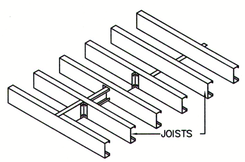


NOTES:
1. CONTINUOUS BRIDGING REQUIRED BETWEEN EACH JOIST ABOVE WALL. SOLID BLOCKING IN EVERY OTHER SPACE MAY BE USED IN LIEU OF BRIDGING.
2. WHEN WALL ABOVE, STUDS MUST ALIGN WITH JOISTS.

6 JOISTS SUPPORTED ON STUDS
NTS

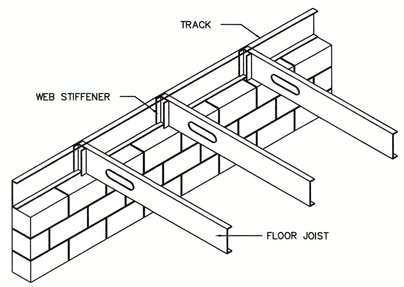


7 FLOOR SYSTEMS/ END BEARING ON MASONRY
NTS

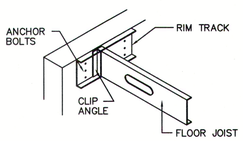


NOTES:
1. INSTALL BRIDGING IMMEDIATELY AFTER C–JOISTS ARE ERECTED AND BEFORE CONSTRUCTION LOADS ARE APPLIED TO PREVENT FLANGE ROTATION AND TO SUPPORT FLANGES IN COMPRESSION.
2. LATERAL SUPPORT IS PROVIDED BY SUB FLOOR OR DECK MATERIAL ON THE TOP FLANGE.
3. BRIDGING CONSISTING OF SOLID BLOCKING AND STRAP BRACING TO BE SCREW ATTACHED OR WELDED TO BOTTOM JOIST FLANGES.
4. STRAP BRACING IS INSTALLED AT MID–SPAN FOR SPANS 16'–0" OR LESS AND AT 8'–0" O.C. MAX. FOR SPANS GREATER THAN 16'–0".
5. WHERE SUB FLOORS OR DECKING DO NOT PROVIDE LATERAL SUPPORT, JOISTS MUST BE BRACED AT ALL BEARING POINTS AND AT INTERVALS WITHIN SPANS.

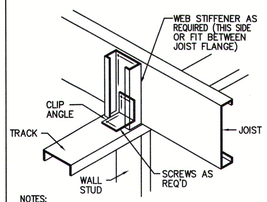
8 FLAT STRAP AND BLOCKING
NTS



9 FLOOR JOIST BEARING ON MASONRY
NTS

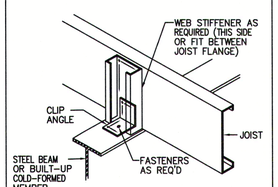


10 FLOOR JOIST BUTTING INTO MASONRY
NTS



NOTES:
1. CONTINUOUS BRIDGING REQUIRED BETWEEN EACH JOIST ABOVE WALL. SOLID BLOCKING IN EVERY OTHER SPACE MAY BE USED IN LIEU OF BRIDGING.
2. WHEN WALL ABOVE, STUDS MUST ALIGN WITH JOISTS.
3. WEB STIFFENERS ARE NOT REQUIRED WHEN CONTINUOUS SOLID BLOCKING IS USED.

11 JOISTS SUPPORTED ON STUDS (CONTINUOUS SPAN)
NTS



NOTES:
1. CONTINUOUS BRIDGING REQUIRED BETWEEN EACH JOIST ABOVE BEAM. SOLID BLOCKING IN EVERY OTHER SPACE MAY BE USED IN LIEU OF BRIDGING.
2. WHEN WALL ABOVE, STUDS MUST ALIGN WITH JOISTS.
3. WEB STIFFENERS ARE NOT REQUIRED WHEN CONTINUOUS SOLID BLOCKING IS USED.

12 JOISTS OVER BEAM (CONTINUOUS SPAN)
NTS

Table 3: Suggested Capcity for Screws Connecting Steel to Steel (lbs.)

Gage	Steel Thickness – Thinnest Component	#1/4 – 14 Screw		#12–14 Screw		#10–16 Screw *		#8–18 Screw *		#6 Screw *	
		Shear	Pullout	Shear	Pullout	Shear	Pullout	Shear	Pullout	Shear	Pullout
12	0.1017"	1000	320	890	280	780	245	675	210	560	175
14	0.0713"	600	225	555	195	520	170	470	145	395	125
16	0.0566"	420	180	390	155	370	135	340	115	310	95
18	0.0451"	300	140	280	120	260	105	240	90	220	75
20	0.0347"	200	110	185	95	175	80	165	70	150	60

Notes:
1. Design values are based on CCFSS Technical Bulletin Vol. 2, No. 1 which outlines the proposed AISI Specification provisions for screw connections. For shear connections the cold–formed steel section should be evaluated for tension.
2. Based of Fy=33ksi, Fu=45ksi minimum. Adjust values for other steel strengths.
3. * = Refer to Table 1 for limits on recommended total steel thickness of connected parts.

SCREW LOAD CAPACITY AND SPACING REQUIREMENTS:

LOAD CARRYING CAPACITIES OF SCREWS SHOULD BE BASED ON THE CRITERIA OUTLINED IN THE CENTER FOR COLD–FORMED STEEL STRUCTURES (CCFSS) TECHNICAL BULLETIN, VOL. 2, NO. 1, DATED FEBRUARY 1993, OR BASED ON MANUFACTURER'S DATA WITH AN APPROPRIATE SAFETY FACTOR. THE INFORMATION INCLUDED IN THE TECHNICAL BULLETIN WILL BE INCLUDED IN FUTURE EDITIONS OF THE AISI SPECIFICATION FOR COLD–FORMED STEEL STRUCTURAL MEMBERS (AISI SPECIFICATION). TABLE 3 CONTAINS SOME SCREW CAPACITIES BASED ON THE CCFSS TECHNICAL BULLETIN.

A MINIMUM DIMENSION OF 3 TIMES NOMINAL SCREW DIAMETER (d) SHOULD BE MAINTAINED TO THE EDGE OF THE STEEL CONNECTIONS. THE EDGE DISTANCE MAY BE REDUCED TO 1.5d IN THE DIRECTION PERPENDICULAR TO THE LOAD. CONNECTORS FOR GYPSUM WALLBOARD AND PLYWOOD SHOULD NOT BE SPACED LESS THAN 3/8" FROM THE EDGES OR ENDS OF THE BOARD. ADDITIONAL FASTENER SPACING CRITERIA FOR GYPSUM BOARD AND PLYWOOD CAN BE FOUND IN THE GYPSUM ASSOCIATION SPECIFICATION (GA–216) AND THE AMERICAN PLYWOOD ASSOCIATION'S DESIGN AND CONSTRUCTION GUIDE/RESIDENTIAL AND COMMERCIAL (E–30), RESPECTIVELY. CONTACT THE MANUFACTURER FOR FASTENER SPACING REQUIREMENTS FOR OTHER MATERIALS.

DRIVING TECHNIQUES FOR SELF–DRILLING SCREWS:

SCREWS ARE TYPICALLY INSTALLED WITH HAND–HELD POWER SCREW GUNS THAT OPERATE ON PNEUMATIC OR ELECTRICAL POWER.

Table 2: Common Screw Lengths

Common Sizes (#)	Lengths	Materials and Thickness of Materials that can be Connected
6,7	3/8"–7/16"	Steel to steel
6,8,10,12	1/2"	Steel to steel
8,10	5/8"–1"	Steel to steel; metal lath to steel
10,12,14	3/4" – 1½"	Steel to steel
6,8	1"	1/2" to 5/8" panels to steel
8,10,12	1¼"	Self–turning metal lath or masonry ties to steel
10	1½"	Temp., panel–panel lamination
6,7	1½" – 2"	Multiple layers of steel
6,7	2¼"	Wood trim and 3–layers of panels to steel
8	2" – 3½"	Multiple layers of steel
10	3½" – 6"	Multiple layers of steel
Consult manufacturers for other sizes and lengths.		

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DRAWING TITLE: Metal Frame Details -1

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

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CHECKED BY: GJC
JOB NO: 1509
SCALE: AS NOTED
DATE: 4/1/16

NO. | DATE | REVISION

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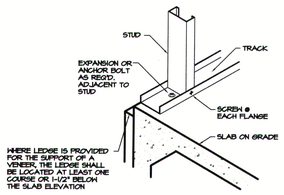
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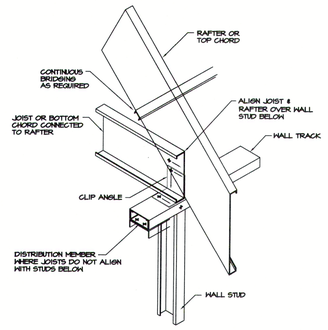
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DRAWING No: 21 OF 30

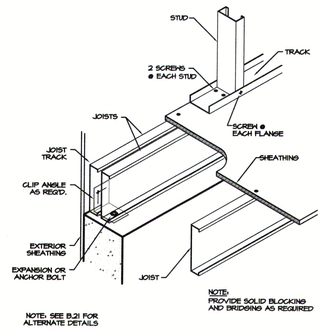
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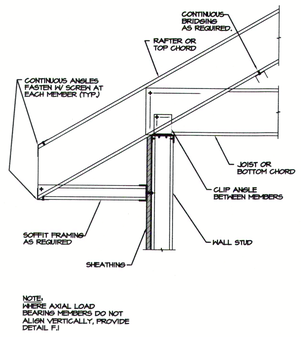
BASE OF WALL AT SLAB ON GRADE (B.1)



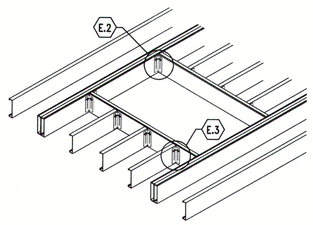
ROOF EAVE (B.11)



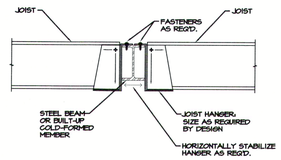
FLOOR JOISTS PARALLEL TO FOUNDATION (B.3)



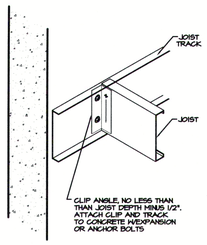
ROOF EAVE AND SOFFIT (B.13)



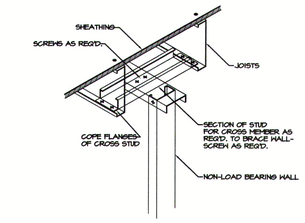
OPENING IN JOISTS/RAFTERS (E.1)



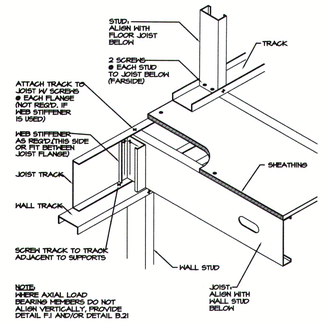
JOISTS SUPPORTED BY STEEL BEAM (UPSET SHALLOW BEAM) (C.4)



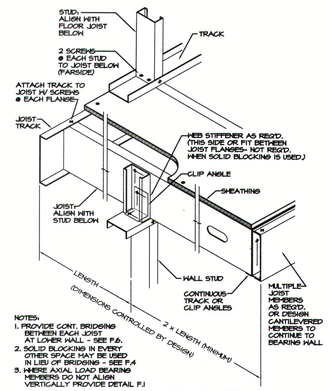
FLOOR JOIST SUPPORT AT CONTINUOUS WALL (B.4)



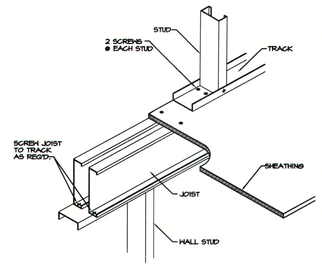
TOP OF NON-LOAD BEARING WALL PARALLEL TO JOISTS (C.9)



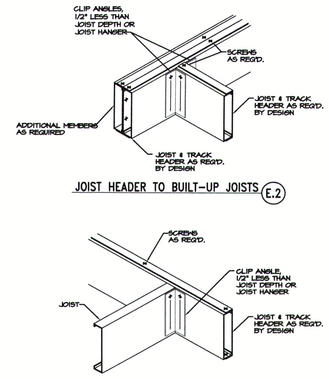
FLOOR FRAMING AT EXTERIOR WALL (B.6)



FLOOR CANTILEVER (B.8)

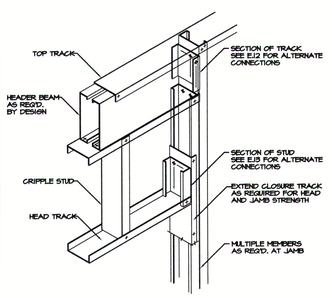


FLOOR JOISTS PARALLEL TO EXTERIOR WALL (B.7)

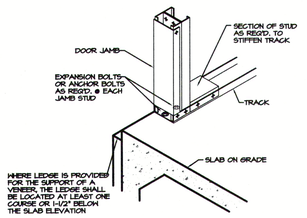


JOIST HEADER TO BUILT-UP JOISTS (E.2)

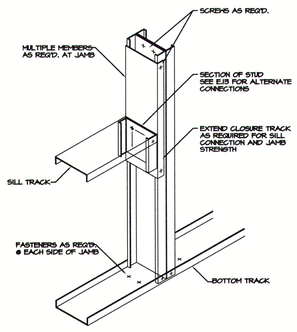
JOIST TO JOIST HEADER (E.3)



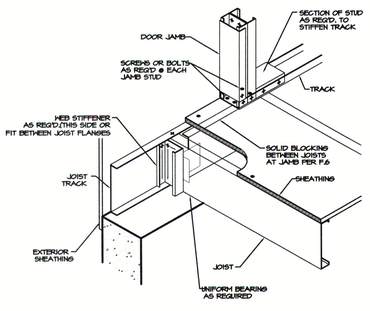
AXIAL LOAD BEARING JAMB & HEAD [<4'-0"(1.2m) OPENING WIDTH] (E.6)



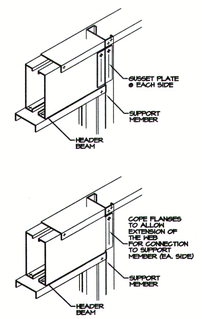
DOOR JAMB BASE AT SLAB ON GRADE (E.11)



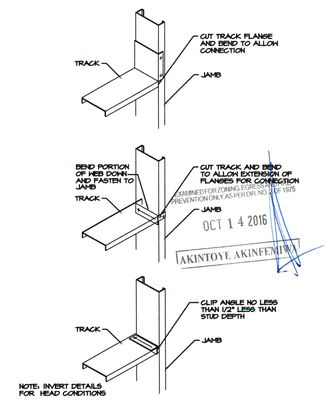
JAMB & SILL (E.8)



DOOR JAMB BASE AT FRAMING (E.10)



ALTERNATE HEADER BEAM CONNECTIONS (E.12)



NOTE: INVERT DETAILS FOR HEAD CONDITIONS

ALTERNATE SILL & HEAD TRACK CONNECTIONS (E.13)

THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE WORK; FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK; OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. GERALD J. CALIENDO ARCHITECT, P.C. AND ITS PRINCIPAL/EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

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Architect, P.C.

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North Bergen, NJ 07047

DRAWING TITLE: Metal Frame Details -2

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY:	CHECKED BY:	JOB NO:	SCALE:	DATE:
SF/MK	GJC	1509	AS NOTED	4/1/16

NO.	DATE	REVISION

SEAL:

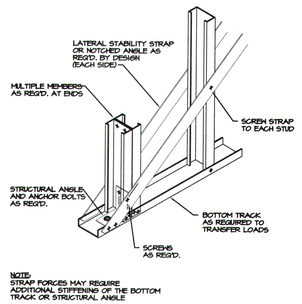
REGISTERED ARCHITECT GERALD J. CALIENDO STATE OF NEW YORK 12020

DEPT BLDGS Job No. 220517527
Scan Code ESHS5740496

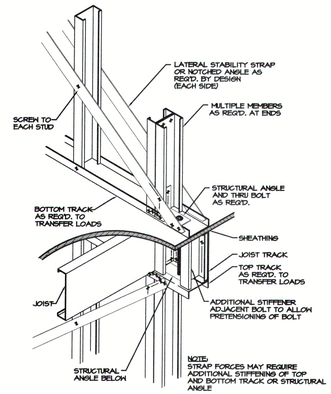
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DRAWING No: 22 OF 30

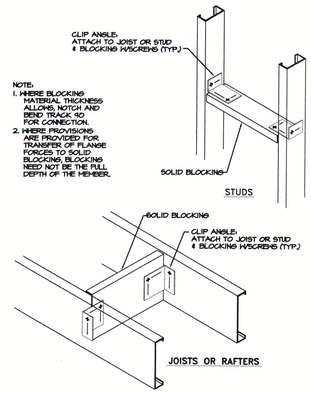
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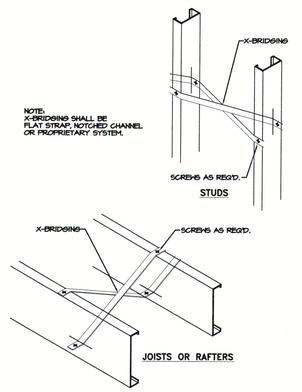
DIAGONAL STABILITY BRACING ANCHORAGE AT BASE (F.2)



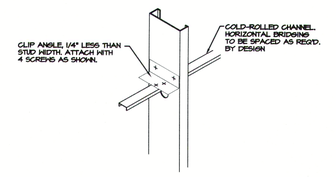
DIAGONAL STABILITY BRACING AT FLOOR TRANSITION (F.3)



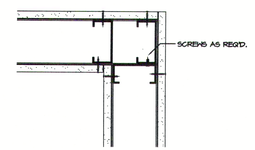
SOLID BLOCKING (F.4)



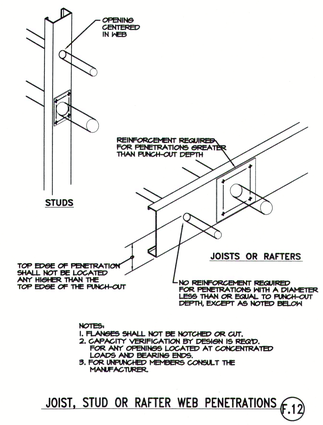
X-BRIDGING (F.5)



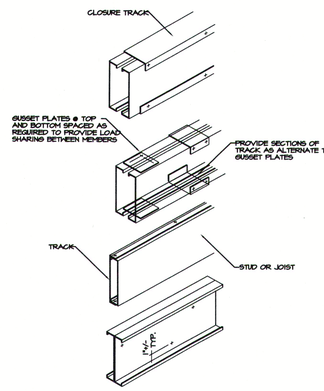
WALL BRIDGING (ALTERNATE) (F.8)



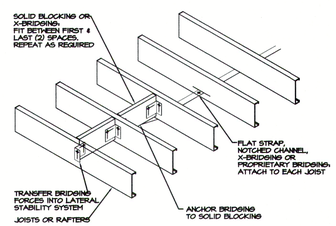
CORNER FRAMING (F.10)



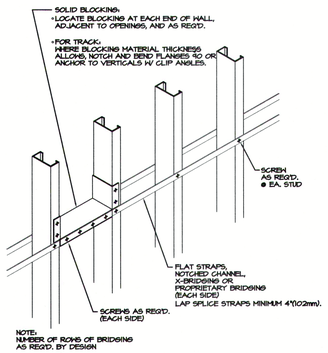
JOIST, STUD OR RAFTER WEB PENETRATIONS (F.12)



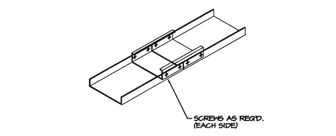
MULTIPLE MEMBER CONFIGURATIONS (F.13)



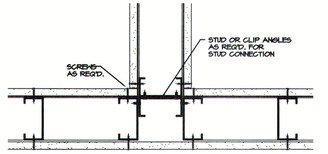
JOIST AND RAFTER BRIDGING (F.6)



WALL BRIDGING (F.7)



TOP & BOTTOM TRACK SPLICE (F.9)



WALL INTERSECTION FRAMING (F.11)

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB NYC ADC 1975
OCT 14 2016
AKINTOYE, AKINFEMIWA

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DRAWING TITLE: Metal Frame Details -3

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY:	CHECKED BY:	JOB NO:	SCALE:	DATE:
SF/MK	GJC	1509	AS NOTED	4/1/16

NO.	DATE	REVISION

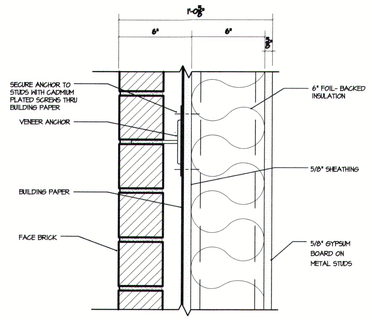
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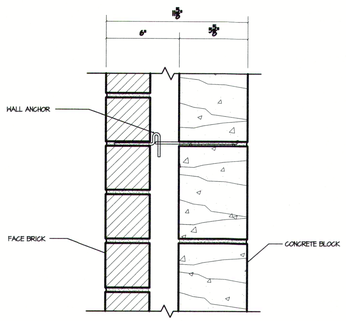
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DRAWING No: 23 OF 30

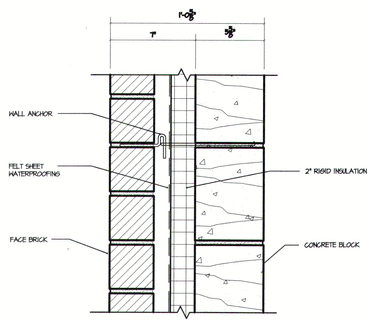
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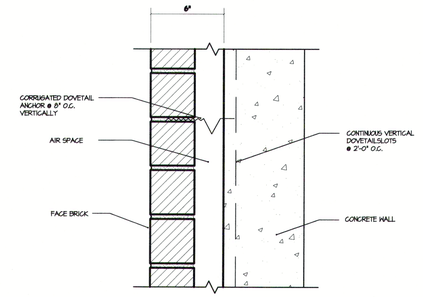
1 FACE BRICK/CONC. BLOCK WITH METAL STUD
3" = 1'-0"



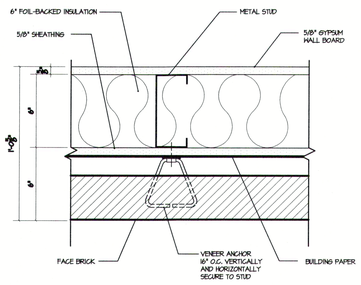
2 FACE BRICK WITH CONC. BLOCK BACKUP
3" = 1'-0"



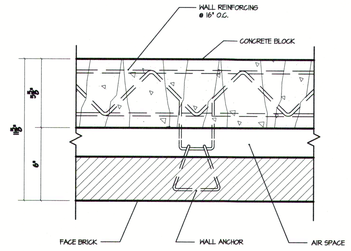
3 FACE BRICK WITH CONC. BLOCK BACKUP
INSULATION IN CAVITY
3" = 1'-0"



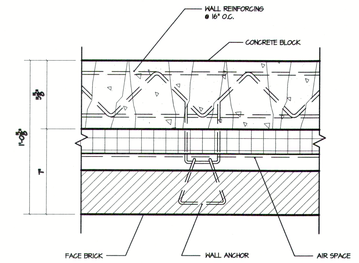
4 FACE BRICK WITH CONCRETE WALL
3" = 1'-0"



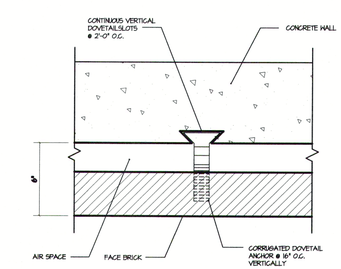
5 FACE BRICK/CONC. BLOCK WITH METAL STUD
3" = 1'-0"



6 FACE BRICK WITH CONC. BLOCK BACKUP
3" = 1'-0"

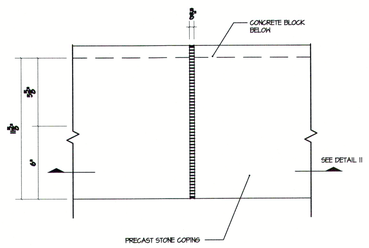


7 FACE BRICK WITH CONC. BLOCK BACKUP
INSULATION IN CAVITY
3" = 1'-0"

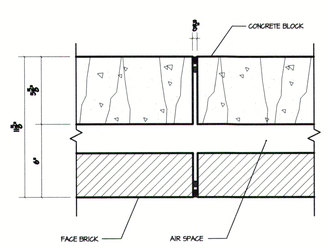


8 FACE BRICK WITH CONCRETE WALL
3" = 1'-0"

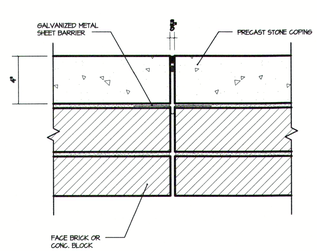
TYPICAL EXTERIOR WALL ANCHORAGE DETAILS



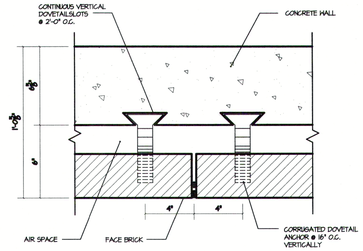
9 C.J. @ PARAPET TOP
3" = 1'-0"



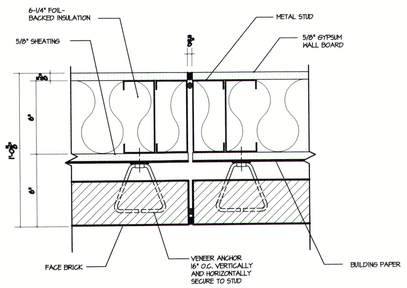
10 BELOW PARAPET
3" = 1'-0"



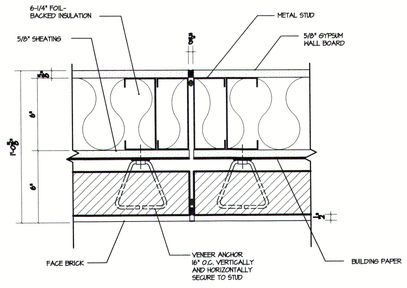
11 SECTION @ PARAPET
3" = 1'-0"



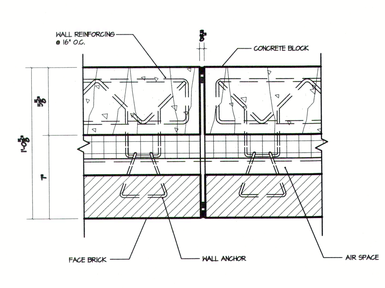
12 FACE BRICK WITH CONCRETE WALL
3" = 1'-0"



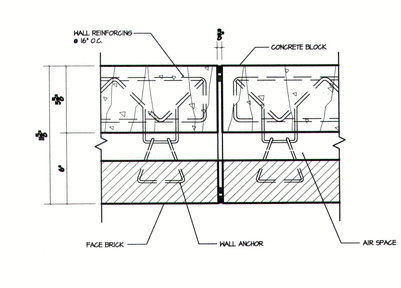
13 FACE BRICK/CONC. BLOCK WITH METAL STUD
3" = 1'-0"



14 C.J. @ RECESSED BRICK
3" = 1'-0"



15 FACE BRICK WITH CONC. BLOCK BACKUP
INSULATION IN CAVITY
3" = 1'-0"



16 FACE BRICK WITH CONC. BLOCK BACKUP
3" = 1'-0"

TYPICAL CONTROL JOINT DETAILS

EXAMINED FOR ZONING, EGRESS AND FIRE PREVENTION ONLY AS PER DIR NO. 1 OF 1975
OCT 14 2016
AKINTOYE AKINFENWA

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Gerald J. Caliendo, R.A., A.I.A.
Architect, P.C.

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Interior Design
Code Consultant
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OWNER:
NICK GANDHI
1300 Tunnelle Avenue
North Bergen, NJ 07047

NO.	DATE	REVISION

DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO: 1509
SCALE: AS NOTED
DATE: 4/1/16

DRAWING TITLE: Masonry Tie Details

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

SEAL:

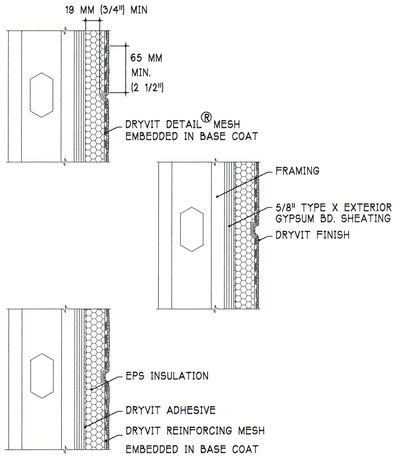
REGISTERED ARCHITECT GERALD J. CALIENDO 022024 STATE OF NEW YORK

DOB# BLDGS Job No. 220517527
Scan Code ESHS7672414

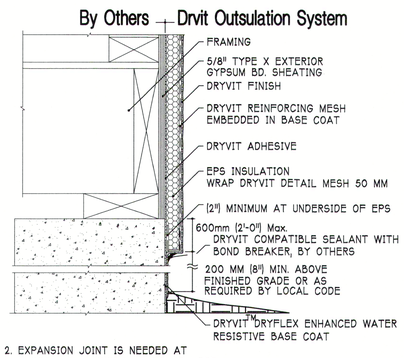
DOB:

DRAWING No: 24 OF 30

A-470.00

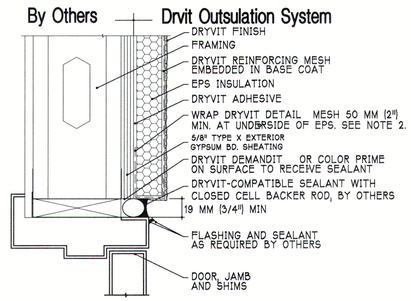


1 Aesthetic Reveals



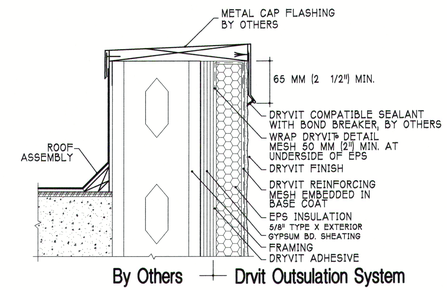
2. EXPANSION JOINT IS NEEDED AT FLOORLINE IF SYSTEM EXTENDS MORE THAN 600 MM [2'-0"] BELOW TOP
3. SLOPE GRADE AWAY FROM WALL. OF FOUNDATION.
4. STOP FINISH APPROXIMATELY 50 MM [2"] BELOW GRADE.

2 Foundation - Termination Above Grade

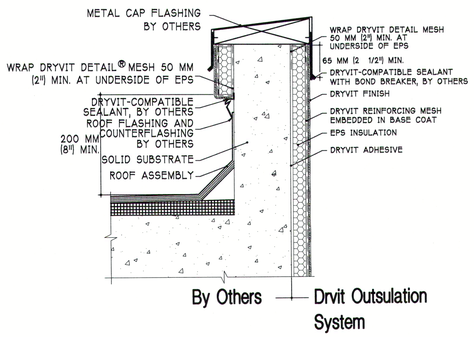


2. AS AN OPTION, THE REINFORCED BASE COAT MAY BE EXTENDED ONTO THE FRAMED OPENING.

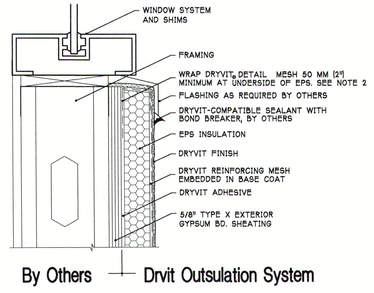
3 Door Head Metal Frame



4 Parapet-Cap Flashing

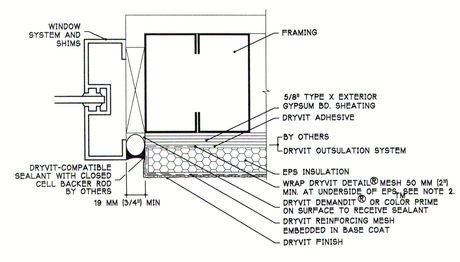


5 Parapet - Solid Substrate



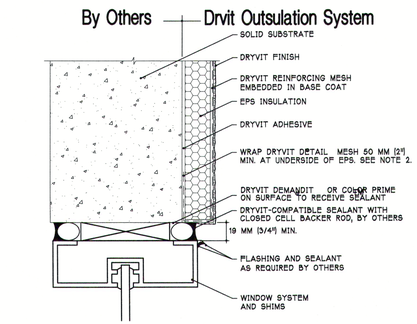
2. AS AN OPTION, THE REINFORCED BASE COAT MAY BE EXTENDED ONTO THE FRAMED OPENING.

6 Window Sill Aluminum Frame



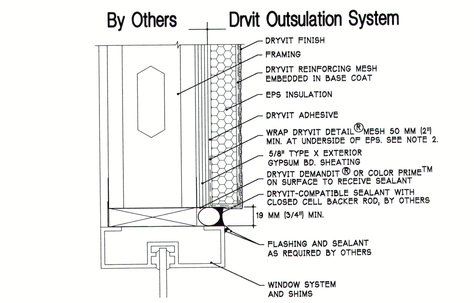
2. AS AN OPTION, THE REINFORCED BASE COAT MAY BE EXTENDED ONTO THE FRAMED OPENING.

7 Window Jamb Aluminum Frame



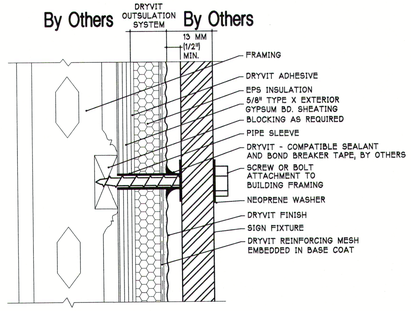
2. AS AN OPTION, THE REINFORCED BASE COAT MAY BE EXTENDED ONTO THE FRAMED OPENING.

8 Window Head/Solid Substrate Aluminum Frame



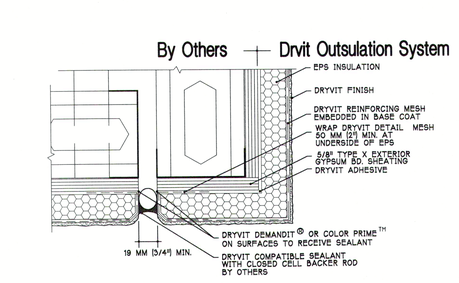
2. AS AN OPTION, THE REINFORCED BASE COAT MAY BE EXTENDED ONTO THE FRAMED OPENING.

9 Window Head Aluminum Frame

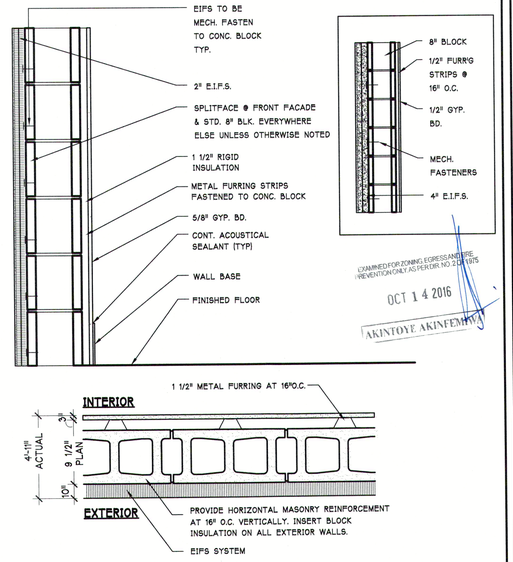


2. ENTIRE PERIMETER OF PIPE SLEEVE IS CAULKED TO PREVENT WATER ENTRY INTO WALL.

10 Sign Attachment



11 Soffit With Expansion Joint



12 FRONT EXTERIOR WALL

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DRAWING TITLE: EIFS Details

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO: 15/09
SCALE: AS NOTED
DATE 4/1/16

NO.	DATE	REVISION

SEAL:

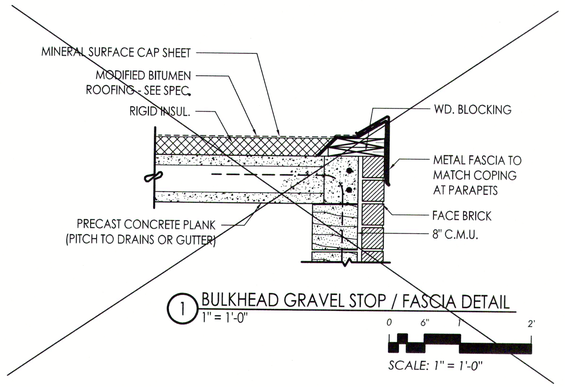
REGISTERED ARCHITECT GERALD J. CALIENDO 012938 STATE OF NEW YORK

DEPT BLDGS Job No. 220517527
Scan Code ESHS3242812

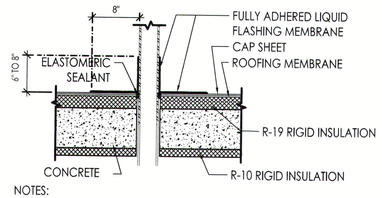
DOB:

DRAWING No: 25 OF 30

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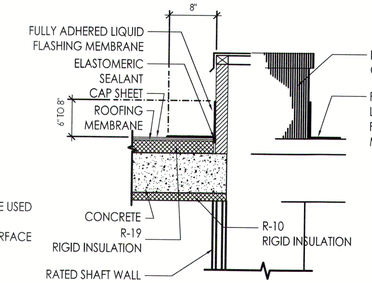


1 BULKHEAD GRAVEL STOP / FASCIA DETAIL
1" = 1'-0"

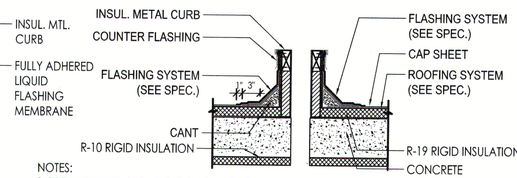


NOTES:
1. BEFORE APPLICATION OF FLASHING MEMBRANE, AN ELASTOMERIC SEALANT SHOULD BE USED TO FILL VOIDS WHERE ROOFING MEMBRANES TERMINATE AT PENETRATIONS.
2. INSTALLER SHALL REFER TO MANUFACTURER PREPARATION GUIDELINES FOR PROPER SURFACE TREATMENT OF ALL MATERIALS PRIOR TO APPLICATION OF FLASHING MEMBRANE.
3. INSTALLER SHALL FOLLOW MANUFACTURER'S GUIDELINES FOR PROPER INSTALLATION TECHNIQUES.

2 TYPICAL PENETRATION THRU ROOF
1" = 1'-0"

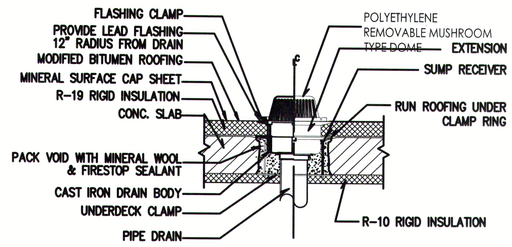


3 ROOF CURB DETAIL - ALTERNATE
1" = 1'-0"

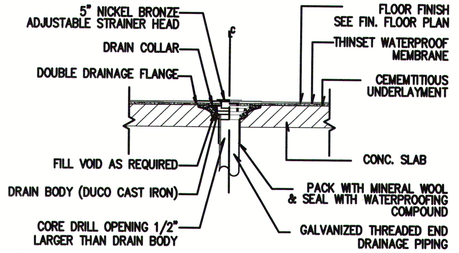


NOTES:
1. PREPARE SURFACES UNDER FLASHING AS RECOMMENDED BY FLASHING MANUF.
2. THE CARPENTRY AND METAL WORK SHOWN DEPICTS SHOP FABRICATION AND JOB-SITE ASSEMBLY. THESE COMPONENTS SHOULD BE DESIGNED/FABRICATED/INSTALLED ACCORDING TO GENERALLY ACCEPTED INDUSTRY PRACTICES, STANDARDS AND APPROVALS.
3. DISSIMILAR METAL TYPES SUBJECT TO ELECTROLYTIC REACTION SHOULD BY PHYSICALLY SEPARATED.
4. MANUFACTURERS INSTALLATION REQUIREMENTS SHALL APPLY IN ADDITION TO THE DRAWINGS AND DETAILS.

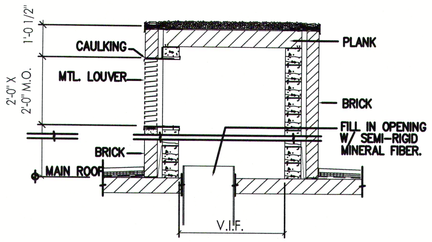
4 TYPICAL ROOF CURB DETAIL
1" = 1'-0"



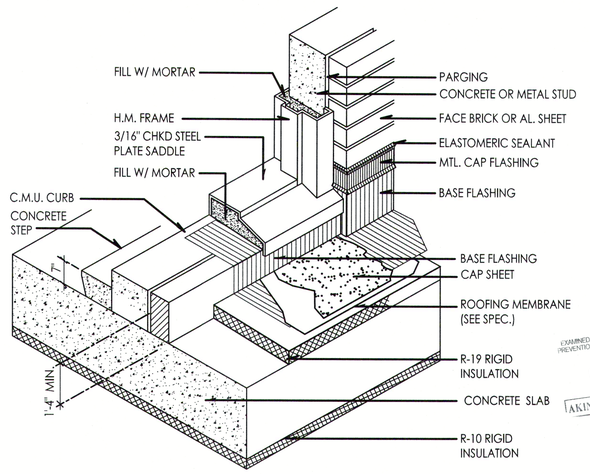
5 TYPICAL ROOF DRAIN DETAIL
NOT TO SCALE



6 TYPICAL FLOOR/ AREA DRAIN DETAIL
NOT TO SCALE



7 DETAIL AT REFUSE CHUTE ENCLOSURE
NOT TO SCALE



10 CURB AT BULKHEAD DOOR
N.T.S.

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DOB NO 220517527
OCT 14 2016
AKINTOY AKINFEMIWO

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Linden, NJ 07036

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1300 Tunnelle Avenue
North Bergen, NJ 07047

DRAWING TITLE: Bulkhead & Roof Details

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY: SF/MK	CHECKED BY: GJC	JOB NO: 1509	SCALE: AS NOTED	DATE: 4/1/16

NO.	DATE	REVISION

SEAL: REGISTERED ARCHITECT GERALD J. CALIENDO 022441 STATE OF NEW YORK

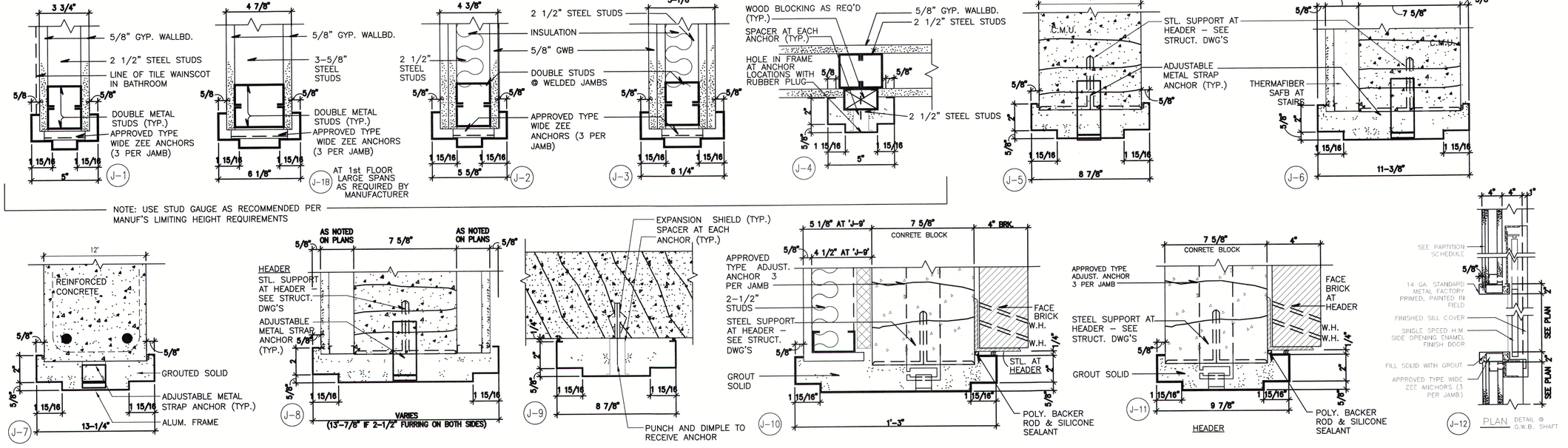
DEPT BLDGS Job No. 220517527
Scan Code ESHS7942794

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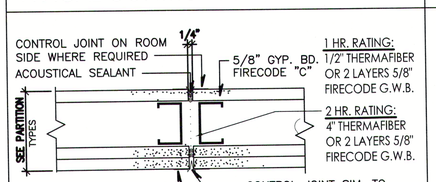
DRAWING No: 26 OF 30

A-490.00

TYPICAL HEADER/ JAMB TYPES



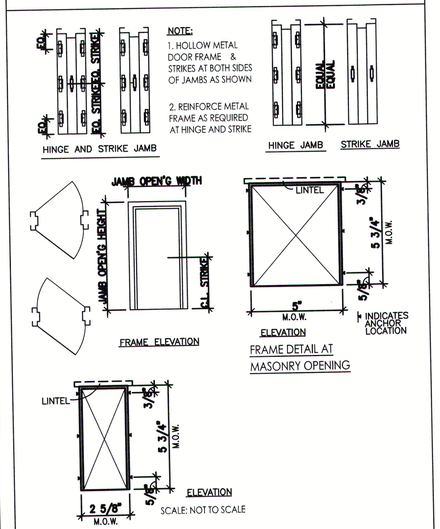
TYPICAL CONTROL JOINT DETAIL



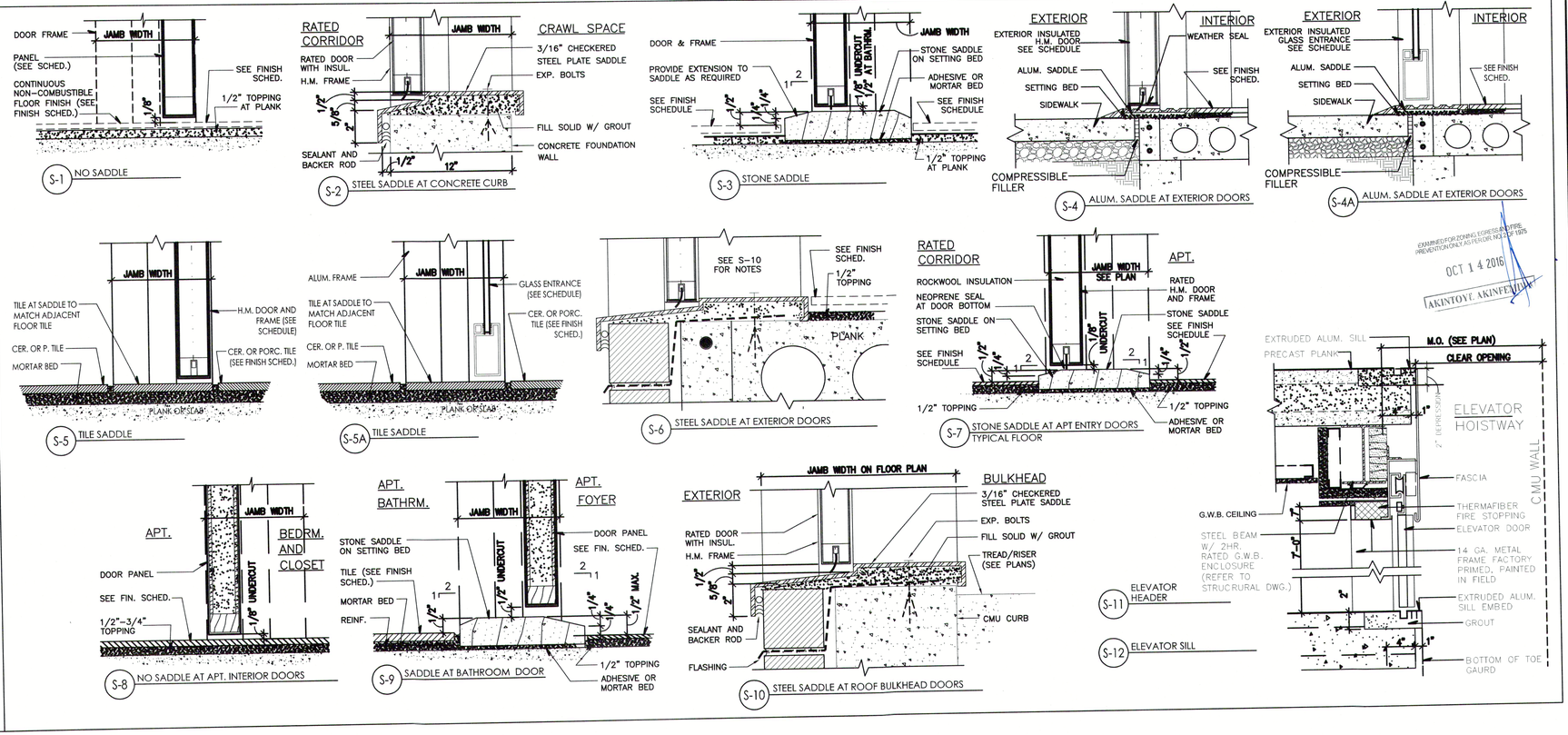
CONTROL JOINT DETAIL

SCALE: 3"=1'-0"

FRAME DETAILS



TYPICAL SADDLE TYPES



EXAMINED FOR ZONING, EGRESS & FIRE PREVENTION ONLY AS PER LDR 28-116.1(3)

OCT 14 2016

AKINTOYE AKINFEWA

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North Bergen, NJ 07047

DRAWING TITLE: Door Details

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY:	CHECKED BY:	JOB NO:	SCALE:	DATE:
SF/MK	GJC	1509	AS NOTED	4/1/16

NO.	DATE	REVISION

SEAL:

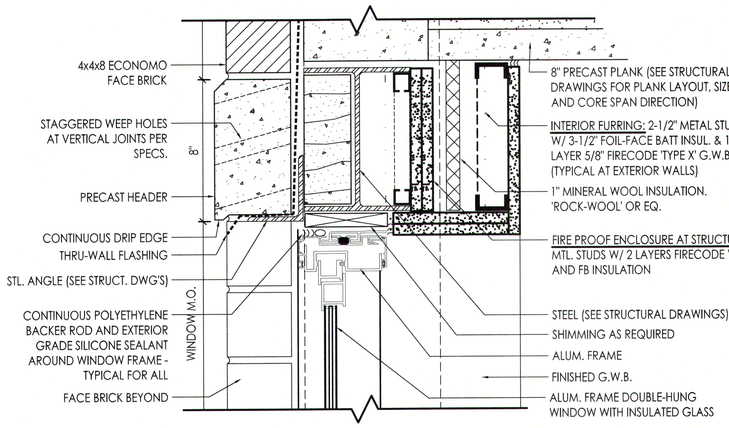
REGISTERED ARCHITECT GERALD J. CALIENDO 020241 STATE OF NEW YORK

DEPT BLDGS Job No. 220517527
Scan Code ESHS9349255

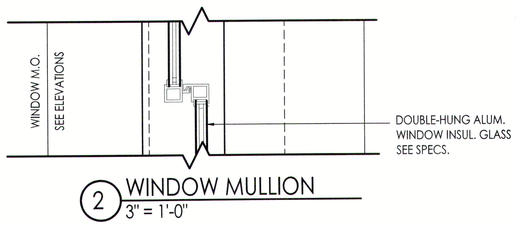
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DRAWING No: 27 OF 30

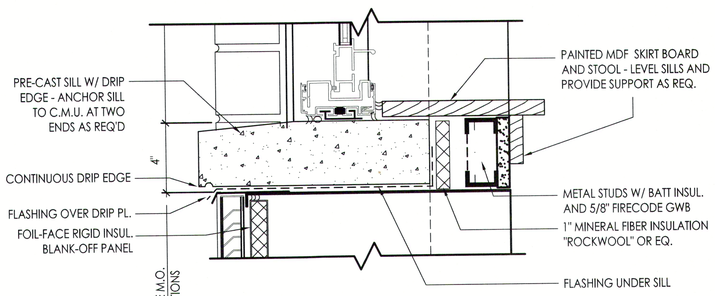
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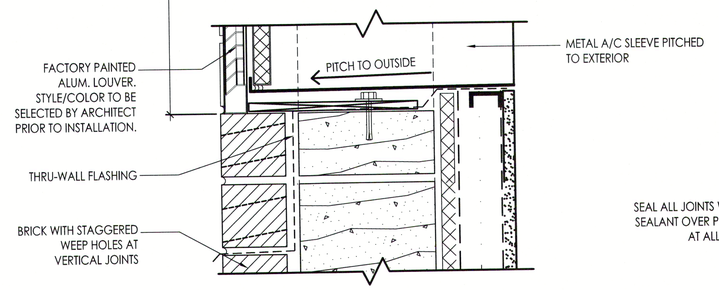
1 WINDOW HEADER
3" = 1'-0"



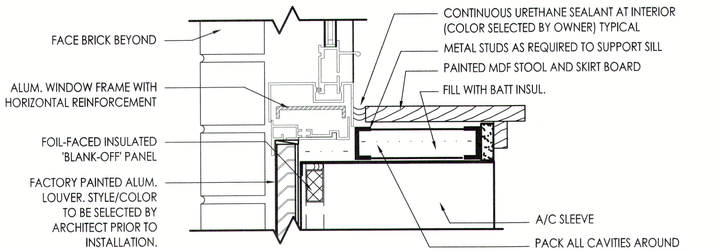
2 WINDOW MULLION
3" = 1'-0"



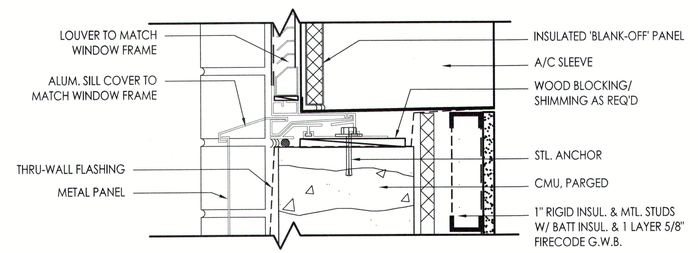
3 PRECAST WINDOW SILL
3" = 1'-0"



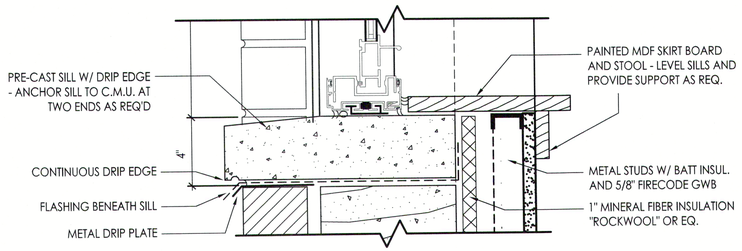
4 SLEEVE SILL
3" = 1'-0"



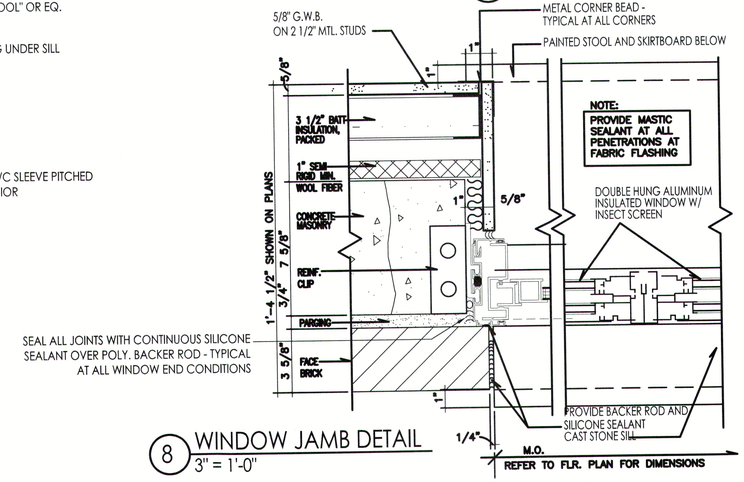
5 WINDOW SILL AT "W-2"
3" = 1'-0"



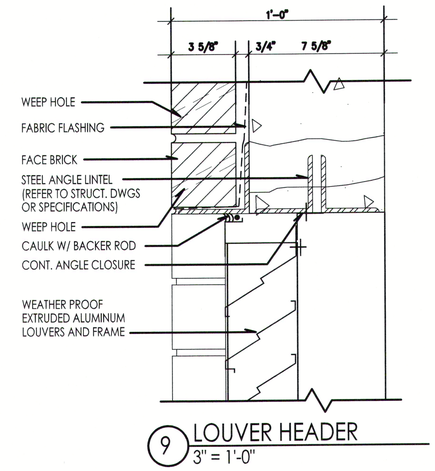
6 SLEEVE SILL AT "W-2"
3" = 1'-0"



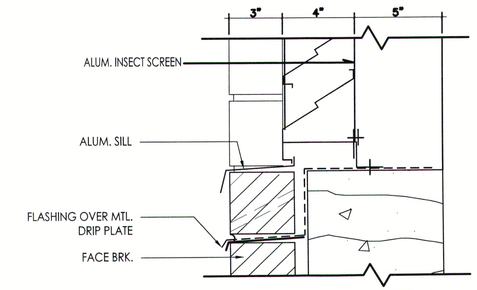
7 SILL AT WINDOW WITHOUT SLEEVE
3" = 1'-0"



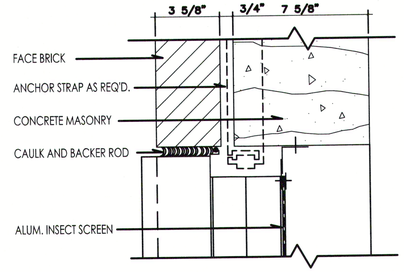
8 WINDOW JAMB DETAIL
3" = 1'-0"



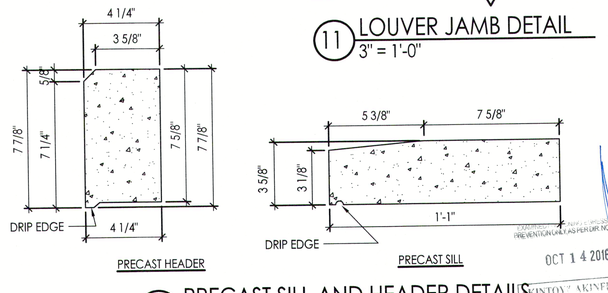
9 LOUVER HEADER
3" = 1'-0"



10 LOUVER SILL DETAIL
3" = 1'-0"



11 LOUVER JAMB DETAIL
3" = 1'-0"



12 PRECAST SILL AND HEADER DETAILS
3" = 1'-0"

OCT 14 2016

THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTIONS WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALWAYS USE DIMENSIONS AS SHOWN. DRAWINGS ARE NOT TO BE SCALED. GERALD J. CALIENDO ARCHITECT, P.C. AND ITS PRINCIPAL/EMPLOYEES WERE NOT RETAINED FOR ANY CONSTRUCTION SUPERVISION.

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DRAWING TITLE: Window Details

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY:	CHECKED BY:	JOB NO:	SCALE:	DATE:
SF/MK	GJC	1509	AS NOTED	4/1/16

NO.	DATE	REVISION

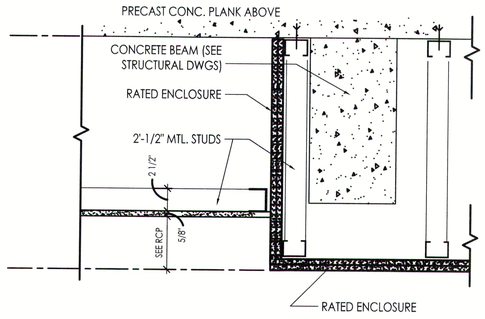
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Scan Code ESHS5405910

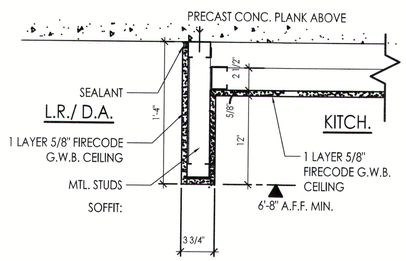
DRAWING No: 28 OF 30

A-510.00



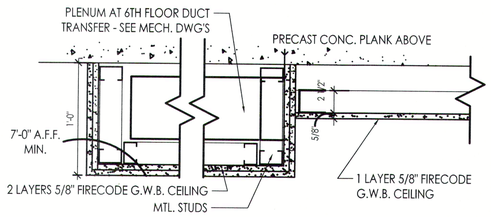
1 DETAIL AT BEAM ENCLOSURE / SOFFIT
1-1/2" = 1'-0"

0 4" 8" 1'-4"
SCALE: 1 1/2" = 1'-0"



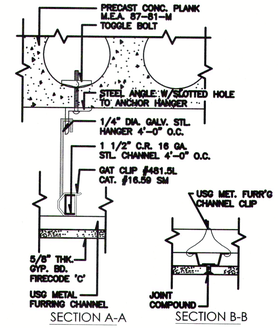
2 TYPICAL DETAIL AT KITCHEN CLG
1-1/2" = 1'-0"

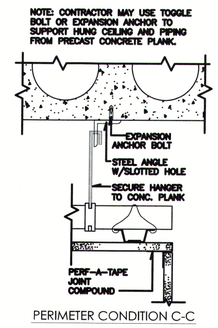
0 4" 8" 1'-4"
SCALE: 1 1/2" = 1'-0"



3 TYPICAL SOFFIT AT DUCT TRANSFER
1-1/2" = 1'-0"

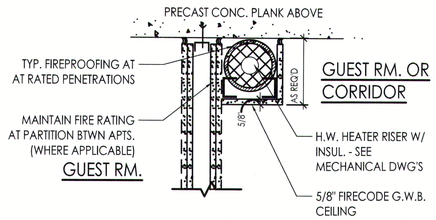
0 4" 8" 1'-4"
SCALE: 1 1/2" = 1'-0"



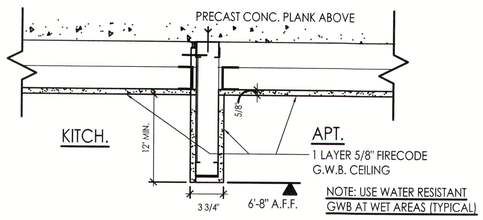


4 TYP. DETAILS AT SUSPENDED CLG.
3" = 1'-0"

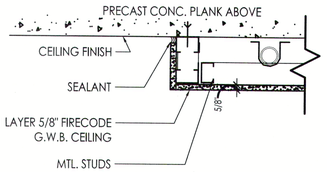
0 2" 4" 8"
SCALE: 3" = 1'-0"



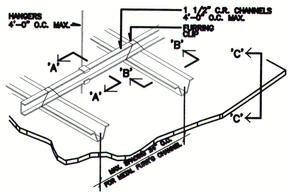
TYPICAL DETAIL AS REQUIRED
5 TYPICAL ENCLOSURE AROUND PIPES
1-1/2" = 1'-0"



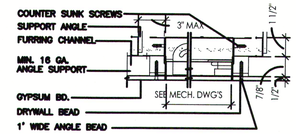
6 TYPICAL SOFFIT WITHIN SUSPENDED CLG
1-1/2" = 1'-0"



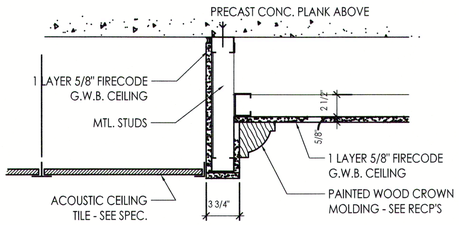
7 TYPICAL DETAIL AT SOFFIT
1-1/2" = 1'-0"



8 TYP. DETAILS AT SUSPENDED CLG.
3" = 1'-0"

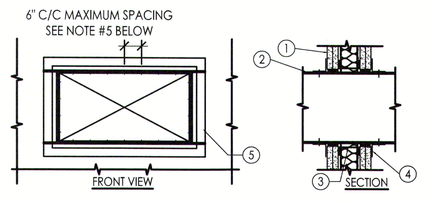


9 SECTION THRU CEILING ACCESS DOOR
NOT TO SCALE



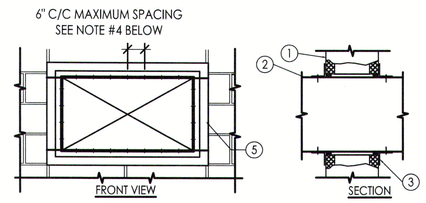
10 DETAIL AT CROWN MOLDING
1-1/2" = 1'-0"

0 4" 8" 1'-4"
SCALE: 1 1/2" = 1'-0"



1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES WALL) (1-HR. OR 2-HR. FIRE-RATING) (2-HR SHOWN)
2. RECTANGULAR SHEET METAL DUCT (MAXIMUM SIZE, 24"x48", MINIMUM 24 GA. THICKNESS). (NOTE, NOT FOR USE IN DUCT SYSTEMS CONTAINING A FIRE DAMPER).
3. OPENING TO BE "FRAMED OUT" WITH LIGHTGAGE METAL FRAMING STUDS.
4. INTUMESCENT FIRESTOP SEALANT
   A. MINIMUM 5/8" DEPTH OF SEALANT FOR 1-HR. FIRE RATING
   B. MINIMUM 1-1/4" DEPTH OF SEALANT FOR A 2-HR. FIRE RATING
5. STEEL ANGLE (MIN. 1-1/2"x1-1/2"x16 GA.) TO DUCT w/ MIN. NO. 8x3/4" LONG SHEET MTL SCREWS. ANGLE DOES NOT HAVE TO BE FASTENED TO THE WALL ASSEMBLY.

MTL DUCT (w/o DAMPER) THRU 1-HR OR 2-HR GYP WALL ASSEMBLY
SCALE: N.T.S.



1. CONCRETE WALL ASSEMBLY (1-HR. OR 2-HR. FIRE RATING) (2-HR. SHOWN)
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 3-3/4" THICKNESS)
   B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL
2. RECTANGULAR SHEET METAL DUCT (MAXIMUM SIZE, 24"x48", MINIMUM 24 GA. THICKNESS). (NOTE: NOT FOR USE IN DUCT CONTAINING FIRE DAMPER.)
3. FIRESTOP SEALANT
   A. MINIMUM 5/8" DEPTH OF SEALANT FOR A 1-HR. FIRE-RATING
   B. MINIMUM 1-1/4" DEPTH OF SEALANT FOR A 2-HR. FIRE-RATING
4. STEEL ANGLE (MIN. 1-1/2"x1-1/2"x16 GA.) TO DUCT w/ MIN. NO. 8x3/4" LONG SHEET MTL SCREWS. ANGLE DOES NOT HAVE TO BE FASTENED TO THE WALL ASSEMBLY.

MTL DUCT (w/o DAMPER) THRU THRU CONC. WALL OR CONC. BLOCK
SCALE: N.T.S.

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY AS PER DIR. NO. 2 OF 1975
OCT 14 2016
AKINTOYE AKINFEMIWA

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DRAWING TITLE: Ceiling Details
PROJECT ADDRESS: 1164 Wheeler Avenue, Bronx, NY
DRAWN BY: SF/MK
CHECKED BY: GJC
JOB NO: 15109
SCALE: AS NOTED
DATE: 4/1/16
NO. | DATE | REVISION

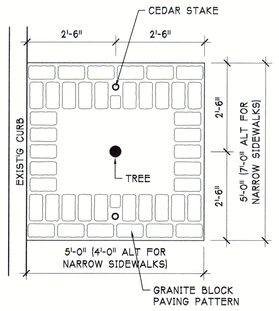
SEAL: REGISTERED ARCHITECT GERALD J. CALIENDO NEW YORK 13026 STATE OF NEW YORK

DEPT BLDGS Job No. 220517527
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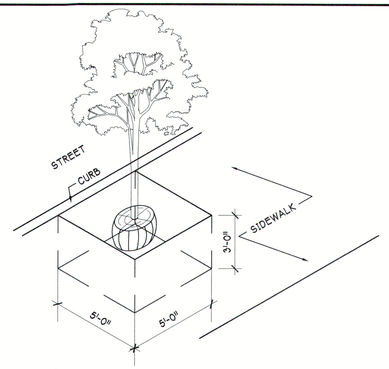
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DRAWING No: 29 OF 30

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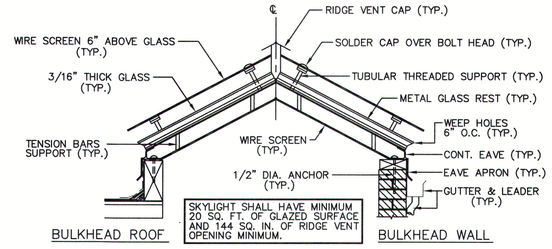
PLAN VIEW
SCALE: 1/2" = 1'-0"



ISOMETRIC VIEW
SCALE: 1/4" = 1'-0"

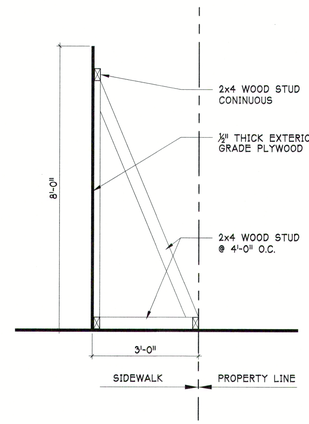
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TYPICAL TREE PLANTING DETAILS
SCALE: AS NOTED ABOVE



OPERABLE SKYLIGHT DETAIL
SCALE: NONE

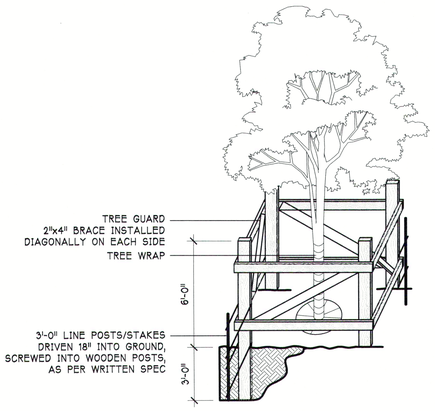
2



NOTES:
1). FENCE TO BE RETURNED AT ITS ENDS TO THE EXTENT NECESSARY TO EFFECTIVELY CLOSE OFF THE SITE.
2). PROVIDE A 4'-0" AND 8'-0" WIDE OPENING FOR ACCESS TO THE SITE.
3). FENCE TO BE SECURLY ANCHORED

3

TEMP. CONSTRUCTION FENCE DETAIL
SCALE: 1/2" = 1'-0"

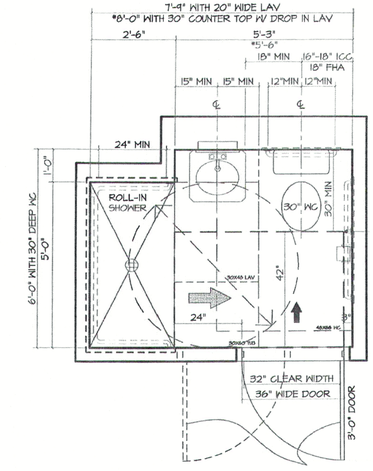


PROTECTION OF TREES

NO TREES OUTSIDE THE STREET LINE SHALL BE DISTURBED OR REMOVED WITHOUT THE PERMISSION OF COMMISSIONER OF PARKS AND RECREATION. PROTECTION MEETING THE REQUIREMENTS OF THE DEPARTMENT OF PARKS AND RECREATION SHALL BE PROVIDED AROUND THE TRUNKS OF ALL SUCH TREES AND WRITTEN NOTIFICATION SHALL BE MADE TO THE DEPARTMENT OF PARKS AND RECREATION AT LEAST FORTY-EIGHT HOURS PRIOR TO COMMENCEMENT OF SUCH WORK NO DELETERIOUS, CAUSTIC OR ACID MATERIALS SHALL BE DUMPED OR MIXED WITHIN TEN FEET OF ANY SUCH TREE. NOR SHALL SALT FOR THE REMOVAL OF ICE OR SNOW BE APPLIED WHEN RUNOFF WILL DRAIN TO A TREE.

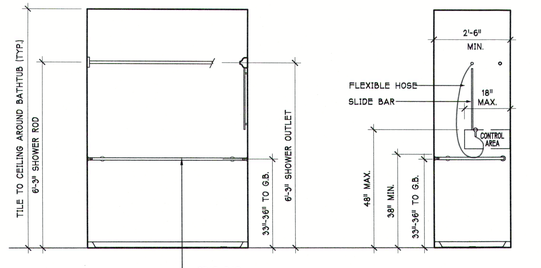
PROTECTION OF TREES
SCALE: 1/4" = 1'-0"

4

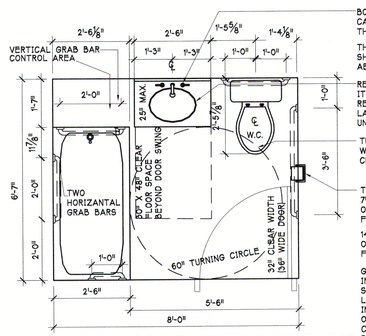


DOOR MANEUVERING CLEARANCE REQUIRED BOTH INSIDE AND OUTSIDE OF BATHROOM

ADA ACCESSIBLE BATHROOM WITH ROLL-IN SHOWER



ELEVATIONS @ ROLL-IN SHOWER



BOTTOM SHELF OF MEDICINE CABINET SHALL NOT BE HIGHER THAN 44" ABOVE FINISHED FLOOR

THE BOTTOM OF THE MIRROR SHALL NOT BE HIGHER THAN 40" ABOVE FINISHED FLOOR

REMOVABLE CABINET PERMITTED IF IT DOES NOT REQUIRE THE REMOVAL/REPLACEMENT OF LAVATORY AND FINISHES EXTENDS UNDER AND BEHIND CABINETRY

TURNING SARCE MAY OVERLAP WC ONLY IF 9" MIN. TOE CLEARANCE IS PROVIDED

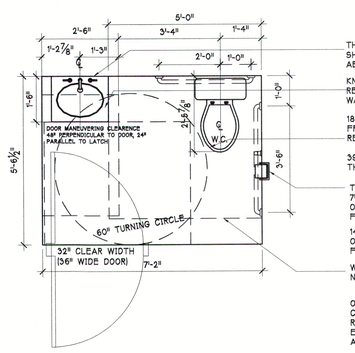
TOILET PAPER HOLDER 7" MIN. & 19" MAX. FROM THE OUTLET OF THE T.P.H. TO THE FINISHED FLOOR

14" MIN. 19" MAX. FROM THE OUTLET OF THE T.P.H. TO THE FINISHED FLOOR

GRAB BARS ARE NOT REQUIRED TO BE INSTALLED WHERE REINFORCEMENT FOR SUCH GRAB BARS IS INSTALLED AND LOCATED TO PERMIT FUTURE INSTALLATIONOF GRAB BARS
OPERABLE PARTSUCH AS LIGHTING CONTROLS, ELECTRICAL SWITCHES AND RECEPTACLE OUTLETS, AND ENVIROMENTAL CONTROLS SHALL BE ACCESSIBLE

FIG. R2A3: R-2 OCCUPANCIES TYPE B UNIT TYPE A BATHROOM
[BC 1107.2.2 EXCEPTION, 1107.6.1.4.2, 1107.6.2.1.1, 1107.7.1.1 ITEM 1]

WHERE ONE TYPE A BATHROOM IS APROVED, REMAINING TOILET \ AND BATHING FACILITIES SHALL BE REQUIRED TO COMPLY ONLY WITH SECTIONS 1004.3 [ACCESSIBLE ROUTE], 1004.4 [WALKING SURFACES], 1004.5.2 [USER PASSAGE DOORWAYS], 1004.9 [OPERABLE PARTS] AND 1004.11.2 [REINFORCEMENT] OF ICC A117.1. DOOR MUST HAVE CLEAR OPENING WIDTH OF 32" MIN.



THE BOTTOM OF THE MIRROR SHALL NOT BE HIGHER THAN 40" ABOVE FINISHED FLOOR

KNEE AND TOE CLEARENCES REQUIRED UNDER THE WALL- HUNG LAVATORY

18" VERT. GRAB BAR 30" FROM ℄ OF THE BAR TO THE REAR WALL

39" MIN. TO 41" MAX. ABOVE THE FINISHED FLOOR

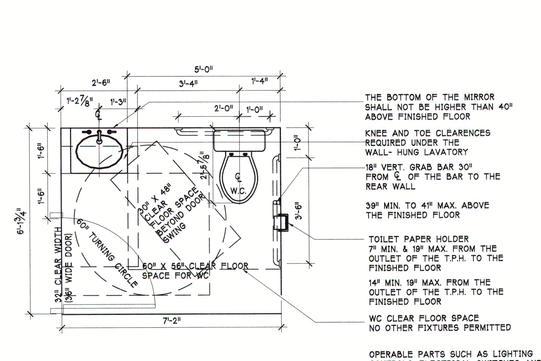
TOILET PAPER HOLDER 7" MIN. & 19" MAX. FROM THE OUTLET OF THE T.P.H. TO THE FINISHED FLOOR

14" MIN. 19" MAX. FROM THE OUTLET OF THE T.P.H. TO THE FINISHED FLOOR

WC CLEAR FLOOR SPACE
NO OTHER FIXTURES PERMITTED

OPERABLE PARTS SUCH AS LIGHTING CONTROLS, ELECTRICAL SWITCHES AND RECEPTACLE OUTLETS, AND ENVIROMENTAL CONTROLS SHALL BE ACCESSIBLE

FIG. S1: NON-RESIDENTIAL UNISEX/SINGLE USER TOILET ROOM
[BC 1109.2]



THE BOTTOM OF THE MIRROR SHALL NOT BE HIGHER THAN 40" ABOVE FINISHED FLOOR

KNEE AND TOE CLEARENCES REQUIRED UNDER THE WALL- HUNG LAVATORY

18" VERT. GRAB BAR 30" FROM ℄ OF THE BAR TO THE REAR WALL

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TOILET PAPER HOLDER 7" MIN. & 19" MAX. FROM THE OUTLET OF THE T.P.H. TO THE FINISHED FLOOR

14" MIN. 19" MAX. FROM THE OUTLET OF THE T.P.H. TO THE FINISHED FLOOR

WC CLEAR FLOOR SPACE
NO OTHER FIXTURES PERMITTED

OPERABLE PARTS SUCH AS LIGHTING CONTROLS, ELECTRICAL SWITCHES AND RECEPTACLE OUTLETS, AND ENVIROMENTAL CONTROLS SHALL BE ACCESSIBLE

FIG. S3: NON-RESIDENTIAL UNISEX/SINGLE USER TOILET ROOM
[BC 1109.2]

EXAMINED FOR ZONING EGRESS AND FIRE PREVENTION ONLY, AS PER DRAWINGS DATED 10/5
OCT 14 2016
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NICK GANDHI
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North Bergen, NJ 07047

DRAWING TITLE: Misc Details

PROJECT ADDRESS: 1164 Wheeler Avenue Bronx, NY

DRAWN BY:	CHECKED BY:	JOB NO:	SCALE:	DATE:
SF/MK	GJC	15109	AS NOTED	4/1/16

NO.	DATE	REVISION

SEAL: REGISTERED ARCHITECT GERALD J. CALIENDO 026941 STATE OF NEW YORK

DEPT BLDGS Job No. 220517527
Scan Code ESHS2204114

DOB:

DRAWING No: 30 OF 30

A-530.00