PROPOSED NEW RESIDENCES
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, D.C. 20001
SQUARE E475 LOT 22

BOARD OF ZONING ADJUSTMENT
District of Columbia
CASE NO. 18411
EXHIBIT NO. 9

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2012 MAY 16 PM 2:34

SYMBOLS LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- NEW WALLS, SEE PARTITION SCHEDULE
- DOOR TYPES, SEE DOOR SCHEDULE
- WINDOW TYPES, SEE WINDOW SCHEDULE
- ELEVATION # SHEET #
- SECTION # SHEET #
- ROOM #, SEE FINISH SCHEDULE
- DIMENSION LINES
- GENERAL DRAWING LINE
- OUTLINES SILHOUETTES AND HIDDEN LINES
- PROPERTY BOUNDARY LINES
- [illegible] BLDG. OR EQUIPMENT LINE
- WORK ABOVE, BELOW OR BEYOND, EX'G. CONSTRUCTION TO BE REMOVED
- BREAK LINE
- DRAWING NOTE ARROW
- PLATE EL. IN PLAN (ALL REF. TO DATUM EL. 0'-0")

- CEILING LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- SINGLE POLE SWITCH
- THREE WAY SWITCH
- DUPLEX RECEPTICLE
- SWITCHED DUPLEX RECEPTICLE
- DUPLEX RECEPTICLE 44" A.F.F.
- WEATHERPROOF RECEPTICLE
- DUPLEX RECEPTICLE-GFI
- DUPLEX RECEPTICLE AT FLOOR
- SPECIAL OUTLET
- SPECIAL OUTLET 220 VOLTS
- EXHAUST FAN
- EXHAUST FAN/LIGHT
- SMOKE DETECTOR
- TELEPHONE OUTLET
- TELEVISION OUTLET
- ELECTRICAL PANEL
- CEILING FAN

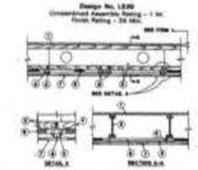
GENERAL NOTES

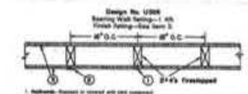
1. EMERGENCY EGRESS WINDOW SIZES TO CONFORM WITH SECTION R310 OF THE 2006 IRC. MAX. SILL HEIGHT OF EMERGENCY EGRESS WINDOWS TO BE 44" IN CONFORMANCE WITH 2006 IRC & 2006 IBC WITH DCMR 12 OF 2009 AMENDMENTS.
2. MAXIMUM RISER HEIGHT SHALL BE 7 3/4" AND MAX.TREAD 10" FOR ALL STAIRWAYS. HANDRAIL PROJECTION 3 1/2" MAXIMUM PER 2006 IRC
3. ROOF SHINGLES TO BE INSTALLED PER 2006 IRC
4. FIRESTOPPING SHALL BE PROVIDED PER 2006 IRC
5. ROOF VENTING SHALL BE INSTALLED PER 2006 IRC
6. GUARDRAIL HEIGHTS TO BE 36" MIN. ACCORDING WITH 2006 IRC
7. PROVIDE GALVANIZED WALL TIES IN ACCORDANCE WITH 2006 IRC
8. ALL GLAZED AREAS SUBJECT TO HUMAN IMPACT SHALL BE SAFETY GLASS IN CONFORMANCE WITH SECTION R308 OF THE 2006 IRC
9. ALL FIREPLACES TO BE U.L. RATED AND INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS AND 2006 IRC
10. ALL FOOTINGS TO EXTENDED AT LEAST 30 INCHES BELOW FINISH GRADE PER 2006 IRC
11. ALL FRAME BEARING WALLS TO CONFORM WITH 2006 IRC
12. PROVIDE WALL BRACING IN ACCORDANCE WITH 2006 IRC USING EITHER CONTINUOUS DIAGONAL BRACING OR APROVED 4'x8' SHEATHING PANELS APPLIED VERTICALLY.
13. PROVIDE FOUNDATION ANCHORAGE IN ACCORDANCE WITH 2006 IRC
14. ALL TRUSSES, BRIDGING, AND MICRO-LAM BEAMS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURES'S SPECIFICATIONS AND 2006 IRC
15. PLYWOOD USED FOR FLOOR AND ROOF SHEATHING SHALL CONFORM TO 2006 IRC
16. PROVIDE FLASHING AS REQUIRED PER 2006 IRC
17. PROVIDE SMOKE DETECTORS ON EVERY STORY INCLUDING THE BASEMENT OF EACH DWELING UNIT, AND IN ALL BEDROOMS. THE DETECTORS SHALL BE WIRED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTUATE ALL THE ALARMS IN THE INDIVIDUAL UNITS. PER 2006 IRC
18. SKYLIGHTS: SKYLIGHTS MAY BE GLAZED WITH ANY OF THE FOLLOWING MATERIALS SUBJECT TO THE NOTED LIMITATIONS AS SPECIFIED IN 2006 IRC. LAMINATED GLASS WIRED GLASS, ANNEALED GLASS, HEAT STRENGTHENED GLASS, TEMPERED GLASS, GLASS BLOCK AND LIGHT TRANSMITTING PLASTIC.
19. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND ALL FIELD CONDITIONS PRIOR TO CONSTRUCTION, AND COMMUNICATE TO THE ARCHITECT ANY DISCREPANCIES WITH THESE DRAWINGS.

STRUCTURAL NOTES

[illegible]

UL INFORMATION





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CODE ANALYSIS

LOTS: 22
SQUARE: E475
USE GROUP: R4
CONSTRUCTION TYPE: 5-B
LOT AREA: 844 SQ. FT.
TOTAL LOT COVERAGE: 588 SQ. FT.
TOTAL BUILDING AREA 588 SQ.FT.X 4= 2,352 SQ.FT.
FULLY AUTOMATIC SPRINKLER SYSTEM TO BE INSTALLED, PER NFPA-13D, 2002.

SCOPE OF WORK

CONSTRUCTION OF NEW TWO - FAMILY RESIDENCE.
NEW MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS.
NEW FULLY AUTOMATIC SPRINKLER SYSTEM.

LINTEL SCHEDULE

PROVIDE STEEL ANGLE LINTELS (L) FOR MASONRY OPENINGS (MO) IN BRICK VENEER AS FOLLOWS:

LINTEL	MO. OPENING	BEARING E.E.
L 3-1/2x3-1/2x1/4	UP TO 3'-0"	4"
L 3-1/2x3-1/2x1/4	3'-1" TO 4'-0"	6"
L 4x3-1/2x1/4	4'-1" TO 5'-0"	6"
L 4x3-1/2x5/16	5'-1" TO 6'-0"	6"
L 5x3-1/2x5/16	6'-1" TO 7'-0"	6"
L 6x4x3/8	7'-1 TO 8'-0"	8"
L 6x4x3/8	8'-1" TO 9'-0"	8"
	> 9'-0" CONSULT A/E	

UNLESS OTHERWISE NOTED PROVIDE WOOD LINTELS OVER FRAME OPENINGS AS FOLLOWS:

	UP TO:
DOUBLE 2x4	3'-0"
DOUBLE 2x6	4'-0"
DOUBLE 2x8	5'-0"
DOUBLE 2X10	7'-0"
DOUBLE 2X12	8'-0"

LIST OF DRAWINGS

T-1 COVERSHEET / LEGENDS / SCHEDULES
C-1 EROSION & SEDIMENT CONTROL DETAIL 1
C-2 EROSION & SEDIMENT CONTROL DETAIL 2
C-3 EROSION & SEDIMENT CONTROL DETAIL 3
A-1 FLOOR PLANS
A-2 ELEVATIONS
A-2a SECTION
A-3 UNDERPINNING PLAN / DETAILS
A-4 FRAMING PLANS
A-5 WALL SECTIONS
M-1 HVAC PLANS
P-1 PLUMBING PLANS
E-1 ELECTRICAL PLANS

Issue Date:		
Revisions		
No.	Date	Description
1	10/31/11	DCRA REVIEW COMMENTS
2		

NEW RESIDENCE
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, DC 20001
SQUARE E475 LOT 22

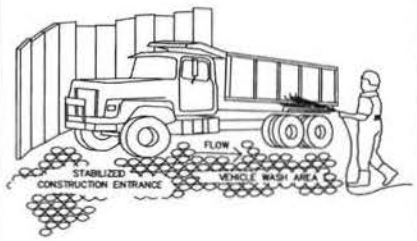
Project Number: Drawn By:
Designed By: Checked By:
Sheet Title:
COVERSHEET
T-1

Board of Zoning Adjustment
District of Columbia
CASE NO.18411
EXHIBIT NO.9

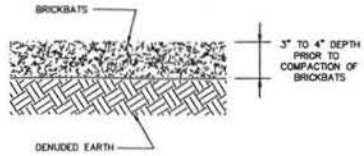
STANDARD SYMBOLS

EARTH DIKE	A-2/B-3
STRAW BALE DIKE	SBD
SILT FENCE	SF
TEMPORARY SWALE	A-2/B-3
STABILIZED CONSTRUCTION ENTRANCE	SCE
GRADE STABILIZATION STRUCTURE	PSS-3 PSD-12
PIPE SLOPE DRAIN	PSD-12
PERIMETER DIKE/SWALE	PD/S-1
CURB INLET PROTECTION	CIP
DIVERSION	
GRASSED WATERWAY	
LINED WATERWAY	
ROCK OUTLET PROTECTION	RO
SUBSURFACE DRAIN	
JERSEY BARRIER	
TURBIDITY CURTAIN	TBC

VEHICLE WASH DETAIL



BRICKBAT GROUND COVER



STANDARDS AND SPECIFICATIONS

DEFINITION

TEMPORARY GROUND COVER CONSISTING OF BROKEN BRICK (1/2 PIECE OR SMALL) PLACED OVER DENUDED EARTH.

PURPOSE

BRICKBATS PROVIDE A TEMPORARY GROUND COVER OVER DENUDED URBAN EARTH TO PREVENT THE TRANSPORTATION OF SEDIMENT FROM THE SITE.

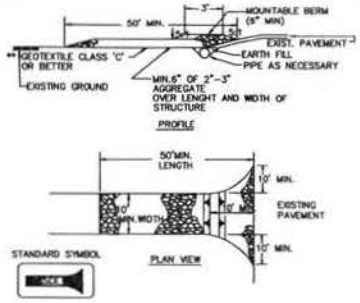
CONDITIONS WHEN PRACTICE APPLIES

BRICKBATS MAY BE USED ON ANY SITE IN NEED OF TEMPORARY GROUND COVER.

DESIGN CRITERIA

THE BRICKBATS SHALL BE PLACED TO A DEPTH OF 3 INCHES TO 4 INCHES COVERING THE DENUDED EARTH ON THE SITE, THEN COMPACTED AND LEVELED.

STABILIZED CONSTRUCTION ENTRANCE DETAIL



STRAW BALE DIKE

CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE, ON THE CONTOUR, AND IN A ROW WITH THE ENDS OF EACH BALE TIGHTLY ABUTTING THE ADJACENT BALES.

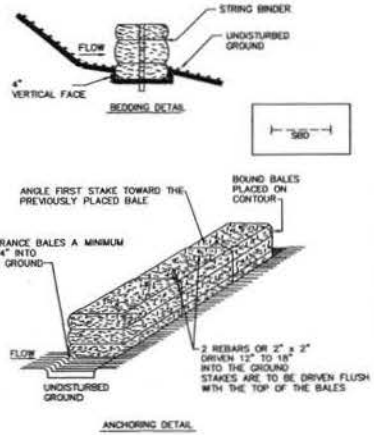
2. EACH BALE SHALL BE ENTRENCHED IN THE SOIL A MINIMUM OF 4" AND PLACED SO THE BINDINGS ARE HORIZONTAL.

3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE 12" TO 18" INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE TOP OF THE BALE.

4. STRAW BALE DIKES SHALL BE INSPECTED FREQUENTLY AND AFTER EACH RAIN EVENT AND MAINTENANCE PERFORMED AS NECESSARY.

5. ALL BALES SHALL BE REMOVED WHEN THE SITE HAS BEEN STABILIZED. THE TRENCH WHERE THE BALES WERE LOCATED SHALL BE GRADED FLUSH AND STABILIZED.

STRAW BALE DIKE DETAIL



CONSTRUCTION SPECIFICATION

1. LENGTH – MIN. OF 50' RAMP x 30' RAMP FOR SINGLE RESIDENCE LOT.
2. WIDTH – 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
3. GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE.
4. STONE – CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
5. SURFACE WATER – ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE. MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND MIN. OF 6" OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MIN. WILL BE REQUIRED.
6. LOCATION – A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY WHEN WASHING IS REQUIRED. IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO A APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STANDARDS AND SPECIFICATIONS FOR DUST CONTROL

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS AND MAINTAIN THE PROJECT SITE SO AS TO MINIMIZE THE CREATION AND DISPERSION OF DUST. DUST CONTROL SHALL BE USED THROUGHOUT THE WORK AT THE SITE.
2. THE CONTRACTOR MUST PROVIDE CLEAN WATER, FREE FROM SALT, OIL AND OTHER DELETERIOUS MATERIAL TO BE USED FOR ON-SITE DUST CONTROL.
3. THE CONTRACTOR SHALL SUPPLY WATER SPRAYING EQUIPMENT CAPABLE OF ACCESSING ALL WORK AREAS.
4. THE CONTRACTOR SHALL IMPLEMENT STRICT DUST CONTROL MEASURES DURING ACTIVE CONSTRUCTION PERIODS ON-SITE. THESE CONTROL MEASURES WILL GENERALLY CONSIST OF WATER APPLICATIONS THAT SHALL BE APPLIED A MINIMUM OF ONCE PER DAY DURING DRY WEATHER OR MORE OFTEN AS REQUIRED TO PREVENT DUST EMISSIONS.
5. FOR WATER APPLICATION TO UNDISTURBED SOIL SURFACES, THE CONTRACTOR SHALL:
   - A. APPLY WATER WITH EQUIPMENT CONSISTING OF TANK, SPRAY BAR,PUMP WITH DISCHARGE PRESSURE GAUGE.
   - B. ARRANGE SPRAY BAR HEIGHT, NOZZLE SPACING AND SPRAY PATTERN TO PROVIDE COMPLETE COVERAGE OF GROUND WITH WATER.
   - C. DISPERSE WATER THROUGH NOZZLES ON SPRAY BAR AT 20 PSI (137.8kPa), MINIMUM. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS PONDING.
6. FOR WATER APPLICATION TO SOIL SURFACES DURING DEMOLITION AND/OR EXCAVATION, THE CONTRACTOR SHALL:
   - A. APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MIST NOZZLES.
   - B. LOCATE TANK AND SPRAYING EQUIPMENT SO THAT THE ENTIRE EXCAVATION AREA CAN BE MISTED WITHOUT INTERFERING WITH DEMOLITION AND/OR EXCAVATION EQUIPMENT OR OPERATIONS. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS PONDING.
   - C. APPLY WATER SPRAY IN A MANNER TO PREVENT MOVEMENT OF SPRAY BEYOND THE SITE BOUNDARIES.

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Issue Date:

Revisions

No.	Date	Description
1		
2		

NEW RESIDENCE
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, DC 20001
SQUARE E475 LOT 22

Project Number: Drawn By:
Designed By: Checked By:

Sheet Title: EROSION & SEDIMENT CONTROL DETAILS 1

Sheet Number: C-1

SILT BAG FOR PUMPED DIRTY WATER

I. INSTALLATION/USE

1. UNFOLD THE SILT BAG AND SIT INSIDE THE FABRICATED BOX (WOOD, METAL, OR PLASTIC).
2. INSERT PUMP DISCHARGE HOSE INTO HANDY SEWN-IN SPOUT AND SECURE WITH THE ATTACHED STRAPS.
3. CONNECT OUTFALL PIPE OR HOSE TO THE OUTLET PIPE OF BOX AND RUN TO THE NEAREST CATCH BASIN.
4. PUMP DIRTY WATER INTO BAG. THE BAG COLLECTS THE SILT AS THE CLEAN WATER GENTLY FILTERS OUT FROM ALL SIDES.

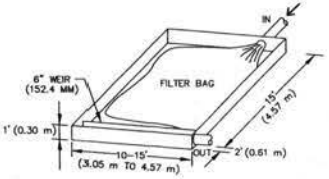
II. MAINTENANCE

1. REPLACE THE SILT BAG AFTER IT IS FILLED WITH SILT.

SILT BAG FOR PUMPED DIRTY WATER

II. SPECIFICATIONS FOR SILT BAG 10'x15'(3.05 m x 4.57 m), 12 1/2'x15', (3.81 m x 4.54 m), AND 15'x15' (4.54 m x 4.54 m) SIZES.

PROPERTIES	TEST METHOD	UNITS / METRIC	WOVEN
WEIGHT	ASTM D-3776	OZ./YD. (gm/m)	8 (271.8)
GRAB TENSIL	ASTM D-4632	LBS. (kg)	300 (136.4)
PUNCTURE	ASTM D-4833	LBS. (kg)	120 (54.5)
FLOW RATE	ASTM D-4491	GAL./MIN./FT² (l/min./m²)	40 (1629.7)
PERMITIVITY	ASTM D-4991	*SEC.	0.55
UV RESISTANCE	ASTM D-4355	%	80



SILT FENCE

SILT FENCE DESIGN CRITERIA

SLOPE STEEPNESS	(MAXIMUM) SLOPE LENGTH	(MAXIMUM) SILT FENCE LENGTH
FLATTER THAN 50:1	UNLIMITED	UNLIMITED
50:1 TO 10:1	125 FT.	1,000 FT.
10:1 TO 5:1	100 FT.	750 FT.
5:1 TO 3:1	60 FT.	500 FT.
3:1 TO 2:1	40 FT.	250 FT.
2:1 AND STEEPER	20 FT.	125 FT.

NOTE: IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS (USDA GENERAL CLASSIFICATION SYSTEM,SOIL CLASS A) MAXIMUM SLOPE LENGTH AND SILT FENCE LENGTH WILL BE UNLIMITED. IN THESE AREAS SILT FENCE MAY BE THE ONLY PERIMETER CONTROL REQUIRED.

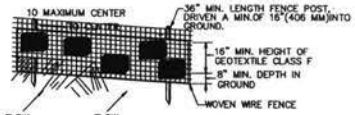
CONSTRUCTION SPECIFICATIONS

1. FENCE POST SHALL BE A MINIMUM OF 36' LONG DRIVEN 16" MINIMUM INTO THE GROUND. WOOD POST SHALL BE 1 1/2" SQUARE (MINIMUM) CUT, OR 1 3/4" DIAMETER (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POST WILL BE STANDARD T OR U SECTION WEIGHTING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.
2. GEOTEXTILE SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:

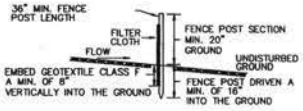
TENSILE STRENGTH	50 LBS/IN. (MIN)	TEST: MSMT 509
TENSILE MODULUS	20 LBS/IN (MIN.)	TEST: MSMT 509
FLOW RATE	0.3 GAL FT/MIN.(MAX)	TEST: MSMT 322
FILTERING EFFICIENCY	75% (MIN.)	TEST: MSMT 322

3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
4. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES 50% OF THE FABRIC HEIGHT.

SILT FENCE DETAIL

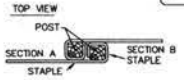


PERSPECTIVE VIEW



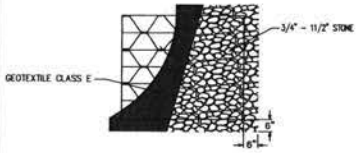
CROSS SECTION

STANDARD SYMBOL
—SF—

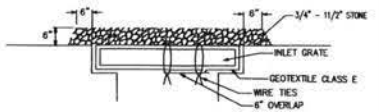


JOINING TWO ADJACENT SILT FENCE SECTIONS

DETAIL 23B - AT GRADE INLET PROTECTION



PLAN/CUT AWAY VIEW



CROSS SECTION

STANDARD SYMBOL
AGIP

MAX. DRAINAGE AREA = 1/4 ACRE

CONSTRUCTION SPECIFICATIONS

1. LIFT GRATE AND WRAP WITH GEOTEXTILE CLASS E TO COMPLETELY COVER ALL OPENINGS THEN SET GRATE BACK IN PLACE.
2. PLACE 3/4" TO 11/2" STONE, 4"-6" THICK ON THE GRATE TO SECURE THE FABRIC AND PROVIDE ADDITIONAL FILTRATION.

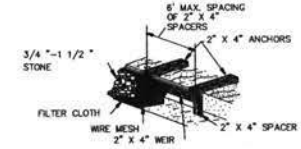
CURB INLET PROTECTION NOTES

CONSTRUCTION SPECIFICATIONS

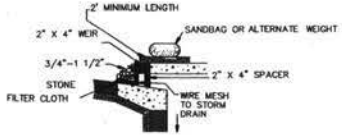
1. ATTACH A CONTINUOUS PIECE OF WIRE MESH 30" MIN. WIDTH BY THROAT LENGTH PLUS 4" TO THE 2"x4" WEIR (MEASURING THROAT LENGTH) PLUS 2' AS SHOWN ON THE STANDARD DRAWING
2. PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS E THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH IT TO THE 2"x4" WEIR.
3. SECURELY NAIL THE 2"x4" WEIR TO A 9" LONG VERTICAL SPACER TO BE LOCATED BETWEEN THE WEIR AND THE INLET FACE (MAX. 4' APART).
4. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MIN. 2' LENGTHS OF 2"x4" TO THE TOP OF THE WEIR AT SPACER LOCATIONS). THE 2"x4" ANCHORS SHALL EXTEND ACROSS THE INLET TOP AND BE HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHT.
5. THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACERS ARE A MIN. 1' (0.31 m) BEYOND BOTH ENDS OF THE THROAT OPENING.
6. FORM THE 1/2"x1/2" WIRE MESH AND THE GEOTEXTILE FABRIC TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 3/4"x1/2" STONE OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.
8. ASSURE THAT STORM FLOW DOES NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIKE TO DIRECT FLOW TO THE INLET.

CURB INLET PROTECTION

(COG OR COS INLETS)



MAX. DRAINAGE AREA = 1/4 ACRE



STANDARD SYMBOL
CIP

STREET SWEEPING

1. STREETS WITHIN ONE MILE (1.6km) SHALL BE INSPECTED DAILY, ANY DROPPED SOIL, DUST AND/OR DEBRIS SHALL BE REMOVED.
2. VACUUM TYPE STREET CLEANER SHALL BE USED TO EFFECTIVELY REMOVE TOTAL DUST AND DIRT ON PAVED SURFACES.
3. ROADS SHALL BE SWEPT ON A WEEKLY BASIS (MINIMUM) DURING ALL ON AND OFF SITE HAULING OPERATIONS FOR UP TO ONE MILE (1.61km) ALONG HAUL ROUTES.

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DISTRICT OF COLUMBIA REGISTERED No. ARC101171 ARCHITECT

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Issue Date:

Revisions

No.	Date	Description
1		
2		

NEW RESIDENCE
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, DC 20001
SQUARE E475 LOT 22

Project Number: Drawn By:
Designed By: Checked By:

Sheet Title:
EROSION & SEDIMENT CONTROL DETAILS 2

Sheet Number:
C-2

STANDARD EROSION CONTROL NOTES

1. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED BEFORE THE START OF ANY EXCAVATION AND/OR CONSTRUCTION AS PER STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR THE DISTRICT OF COLUMBIA. IF AN ON-SITE INSPECTION REVEALS FURTHER EROSION CONTROL MEASURES ARE NECESSARY, THE SAME SHALL BE PROVIDED.
2. ALL DEBRIS IS TO BE REMOVED FROM SITE.
3. ALLEY AND/OR STREETS/SIDEWALKS SHALL BE SWEPT CLEAN AT ALL TIMES DURING DEMOLITION, EXCAVATION AND CONSTRUCTION.
4. ALL CATCH BASINS AND DRAIN AREAS SHALL BE PROTECTED DURING EXCAVATION AND CONSTRUCTION.
5. IF ANY CATCH BASINS OR DRAINS BECOME CLOGGED AS A RESULT OF DEMOLITION, EXCAVATION OR CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS CLEANING.
6. WHEN SEDIMENT TRAP/SEDIMENT TANK HAS REACHED 67% CAPACITY, CLEANING OUT OF SAME IS REQUIRED.
7. ANY STOCKPILING, REGARDLESS OF LOCATION SHALL BE STABILIZED WITHIN SEVEN DAYS AND COVERED WITH PLASTIC OR CANVAS, AFTER ITS ESTABLISHMENT AND FOR DURATION OF THE PROJECT.
8. AFTER RAZING OR DEMOLITION, THERE IS THE NEED FOR GROUNDCOVER TO PREVENT EROSION AND SEDIMENT RUNOFF FROM OCCURRING. SUCH AS APPLYING SEED, SOD, PAVE, BRICKBAT OR MULCH, ETC.
9. THE SITE'S APPROVAL LETTER, APPROVED EROSION AND SEDIMENT CONTROL PLANS, DAILY LOG BOOKS AND TEST REPORTS SHALL BE AVAILABLE AT THE SIDE FOR INSPECTION BY AUTHORIZED OFFICIALS OF DCRA RESPONSIBLE FOR PROJECT.
10. TEMPORARY SEDIMENT CONTROL DEVICES MAY BE REMOVED, WITH PERMISSION OF DCRA INSPECTOR, WITHIN THIRTY (30) CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTORY DRAINAGE AREAS. STORMWATER MANAGEMENT STRUCTURES USED TEMPORARILY FOR SEDIMENT CONTROL SHALL BE CONVERTED TO THE PERMANENT CONFIGURATION WITHIN THIS TIME PERIOD AS WELL.
11. VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE DCRA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. REFER TO APPROPRIATE SPECIFICATIONS FOR TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SODDING AND GROUND COVERS.
12. SEDIMENT REMOVED FROM TRAPS (AND BASINS) SHALL BE PLACED AND STABILIZED IN APPROVED AREAS, BUT NOT WITHIN A FLOODPLAIN, WETLAND OR TREE-SAVE AREA. WHEN PUMPING SEDIMENT LADEN WATER, THE DISCHARGE MUST BE DIRECTED TO A SEDIMENT TRAPPING DEVICE PRIOR TO RELEASE FROM THE SITE. A SUMP PIT MAY BE USED IF SEDIMENT TRAPS THEMSELVES ARE BEING PUMPED OUT.
13. WHERE DEEMED APPROPRIATE BY THE ENGINEER OR INSPECTOR, SEDIMENT BASINS AND TRAPS MAY NEED TO BE SURROUNDED WITH AN APPROVED SAFETY FENCE. THE FENCE MUST CONFORM TO LOCAL ORDINANCES AND REGULATIONS. THE DEVELOPER OR OWNER SHALL CHECK WITH LOCAL OFFICIALS ON APPLICABLE SAFETY REQUIREMENTS. WHERE SAFETY FENCE IS DEEMED APPROPRIATE AND LOCAL ORDINANCES DO NOT SPECIFY FENCING SIZES AND TYPES, THE FOLLOWING SHALL BE USED AS A MINIMUM STANDARD: THE SAFETY FENCE MUST BE MADE OF WELDED WIRE AND AT LEAST 42 INCHES HIGH, HAVE POSTS SPACED NO FARTHER APART THAN 8 FEET, HAVE MESH OPENINGS NO GREATER THAN 2 INCHES IN WIDTH AND 4 INCHES IN HEIGHT WITH A MINIMUM OF 14 GAUGE WIRE. SAFETY FENCE MUST BE MAINTAINED AND IN GOOD CONDITION AT ALL TIMES.
14. SEDIMENT CONTROL FOR UTILITY CONSTRUCTION FOR AREAS OUTSIDE OF DESIGNED CONTROLS OR AS DIRECTED BY ENGINEER OR DCRA INSPECTOR:
    - (A) CALL "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO THE START OF WORK.
    - (B) EXCAVATED TRENCH MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH.
    - (C) TRENCHES FOR UTILITY INSTALLATION SHALL BE BACKFILLED, COMPACTED AND STABILIZED AT THE END OF EACH WORKING DAY. NO MORE TRENCHES SHALL BE OPENED THAN CAN BE COMPLETED THE SAME DAY, UNLESS;
    - (D) TEMPORARY SILT FENCE SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF ANY DISTURBED AREA INTENDED TO REMAIN DISTURBED FOR MORE THAN ONE DAY.

OFF-SITE SPOIL, WASTE, OR BORROW AREAS IN THE DISTRICT OF COLUMBIA MUST HAVE PRIOR APPROVAL BY DCRA. ALL WASTE AND BORROW AREAS

MEASURES OFF-SITE MUST BE PROTECTED BY SEDIMENT CONTROL STABILIZED IN ACCORDANCE WITH THE ORDINANCES OF REGULATIONS OF THE JURISDICATION WHERE THE SPOIL, WASTE, OR BORROW AREA IS LOCATED/STABILIZED.

SITE INFORMATION:

TOTAL AREA OF SITE	0.0194	ACRES
AREA DISTURBED	0.018	ACRES
BUILDING AREA	0.0137	ACRES
IMPERVIOUS AREA	0.0076	ACRES
TOTAL CUT	0.031	CU. YDS.
TOTAL FILL	0	CU. YDS.
OFFSITE WASTE/BORROW AREA LOCATION	TO BE SUBMITTED BY CONTRACTOR FOR APPROVAL	

VEGETATIVE STABILIZATION

PERMANENT AND TEMPORARY SEEDING, SODDING AND MULCHING

I. SITE PREPARATION

PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN (A) SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, BERMS, DIKES, GRASSED WATERWAYS, SEDIMENT BASINS, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND (B) FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

II. SEEDBED PREPARATION AND SEEDING APPLICATION

THE TOP LAYER OF SOIL SHALL BE LOOSENED, LIMED AND FERTILIZED BY RAKING, DISCING OR HARROWING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. FLAT AREAS AND SLOPES UP TO 3 TO 1 GRADE SHALL BE LOOSE AND FRIABLE TO A DEPTH OF AT LEAST 3 INCHES. SLOPES STEEPER THAN 3 TO 1 SHALL HAVE THE TOP 1-3 INCHES OF SOIL LOOSE AND FRIABLE BEFORE SEEDING. APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL CULTIPACKER, SEEDER OR HYDRO-SEEDER ON A FIRM MOIST SEEDBED.

III. SOIL AMENDMENTS

LIME AND FERTILIZE ACCORDING TO SOIL TESTS. IN LIEU OF SOIL TEST APPLY THE FOLLOWING:

DOLOMITIC LIMESTONE — 2 TONS PER ACRE OR 92 LBS/1,000 SQ. FT. (PERMANENT AND SODDING)

FERTILIZER — 1 TON PER ACRE OR 46 LB/1,000 (TEMPORARY) 10-10-10 OR EQUIVALENT AT 1,000 LBS PER ACRE OR 23 LBS PER 1,000 SQ. FT. (PERMANENT AND SODDING)

IV. SEDIMENT CONTROL PRACTICES, SEEDING

SEED: "KENTUCKY 31" TALL FESCUE AT 60 LBS/ACRE OR 1.38 LBS/1,000 SQ. FT AND ITALIAN (ANNUAL) RYEGRASS AT 40 LBS/ACRE OR .91 LBS/1,000 SQ. FT.

DATES: 1/2 - 4/30 5/1 - 8/14 WITH IRRIGATION, 8/15 - 10/31

V. TEMPORARY SEEDING: PER GROWING SEASON

SEED: ITALIAN OR PERENNIAL RYEGRASS AT 40 LBS/ACRE OR .92 LBS/1,000 SQ. FT.

DATES: 2/1 - 4/30 AND 8/15 - 11/30

SEED: MILLET AT 40 LBS/ACRE OR .92 LBS/1,000 SQ. FT.

DATES: 5/1 - 8/14

VI. PERMANENT SEEDING

A. RESIDENTIAL AND HIGH MAINTENANCE AREAS

1. KENTUCKY BLUEGRASS, "PLUSH", "BIRKA", "PARADE", "VANTAGE", "COLUMBIA", "MERION", "ADELPHI", "SOUTH DAKOTA", "KENBLUE". ANY THREE VARIETIES AT 30 LBS. TO MAKE 90 LBS/ACRE OR 2 LBS/1,000 SQ.FT. AND RED FESCUE - "PENNLAWN" OR JAMESTOWN AT 10 LBS/1000 SQ.FT.

DATES: 2/1 - 4/30 AND 8/15 - 10/31.

2. "KENTUCKY 31" TALL FESCUE AT 220-260 LBS/ACRE OR 5-6 LBS/1,000 SQ. FT.

DATES: 2/1 - 4/30 5/1 - 8/14 IRRIGATION REQUIRED, 8/15 - 10/31.

B. LOW MAINTENANCE AND MINING AREAS

"KENTUCKY 31" TALL FESCUE AT 40 LBS/ACRE OR 0.92 LBS/1,000 SQ. FT. AND "INTERSTATE" SERICEA LESPEDEZA AT (INOCULATED)20 LBS/ACRE OR 0.46 LBS/1,000 SQ. FT.

DATES: 2/1 - 4/30 AND 8/15 - 10/31

C. GENERAL AND LARGE ACREAGE

"KENTUCKY 31" TALL FESCUE AT 60 LBS./ACRE OR 1.38 LBS/1,000 SQ.FT.

VII. MULCHING

ALL SEEDINGS REQUIRE MULCHING. USE MULCH ONLY DURING NON-SEEDING DATES UNTIL SEEDING CAN BE ACCOMPLISHED.

MULCH SHALL BE UNROTTED, UNCHOPPED SMALL GRAIN STRAW APPLIED AT A RATE OF 1 TO 2 TONS/ACRE OR 70-90 LBS/1,000 SQ. FT. (2 BALES) MULCH MATERIALS SHALL BE RELATIVELY FREE OF ALL KINDS OF WEEK BEDS AND SHALL BE FREE OF PROHIBITED NOXIOUS WEEDS. SPREAD MULCH UNIFORMLY, MECHANICALLY, OR BY HAND. MULCH ANCHORING TOOL SHALL BE ACCOMPLISHED IMMEDIATELY AFTER MULCH PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY MULCH NETTINGS, MULCH ANCHORING TOOL, PEG AND TWIN OR LIQUID BINDERS. LIQUID MULCH BINDERS SHALL BE RAPID CURING CUTBACK ASPHALT AT A RATE OF 200 GAL/ACRE OR 5 GAL. PER 1,000 SQ. FT. SLOPES 8 FEET OR MORE HIGH USE 348 GAL./ACRE OR 8 GAL./1,000 SQ. FT.

VIII. SODDING

CLASS OF TURFGRASS SOD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED OR MARYLAND OR VIRGINIA STATE APPROVED SOD. SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD IS TO BE LAID WITH THE LONG EDGES PARALLEL TO THE CONTOUR WITH STAGGERED JOINTS WITH ALL ENDS TIGHTLY ABUTTING AND NOT OVERLAPPING. SOD SHALL BE ROLLED AND THOROUGHLY WATERED WITHIN EIGHT HOURS OF INSTALLATION. DAILY WATERING TO MAINTAIN 4 INCH DEPTH OF MOISTURE FOR THE FIRST WEEK IS REQUIRED IN THE ABSENCE OF RAINFALL. SOD IS NOT TO BE APPLIED ON FROZEN GROUND.

IX. MAINTENANCE

A. IRRIGATION - WHEN SOIL MOISTURE BECOMES DEFICIENT, IRRIGATE TO PREVENT LOSS OF STAND OF PROTECTIVE VEGETATION.
B. REPAIRS - IF STAND IS INADEQUATE FOR EROSION CONTROL, OVERSEED AND FERTILIZE USING HALF OF THE RATES ORIGINALLY APPLIED. IF STAND IS OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL RATES AND PROCEDURES.

NOTE: USE OF THIS INFORMATION DOES NOT PRECLUDE MEETING ALL OF THE REQUIREMENTS OF THE 1987 DISTRICT OF COLUMBIA DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL VEGETATIVE PRACTICES.

STANDARD EROSION AND SEDIMENT CONTROL MEASURES AND SEQUENCE

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING.
2. PROVIDE TEMPORARY STONE CONSTRUCTION ENTRANCE WHERE SHOWN. PROVIDE WATER SOURCE AND HOSE TO CLEAN ALL EQUIPMENT LEAVING SITE.
3. INSTALL SILT FENCE AS SHOWN.
4. NO DISTURBED AREA WILL BE DENUDED FOR MORE THAN 7 CALENDAR DAYS. INSTALL THE NECESSARY TEMPORARY OR PERMANENT VEGETATIVE STABILIZATION MEASURES TO ACHIEVE ADEQUATE EROSION AND SEDIMENT CONTROL.
5. ALL CONSTRUCTION TO BE INSPECTED DAILY BY THE CONTRACTOR, AND ANY DAMAGED SILTATION OR EROSION CONTROL DEVICES OR MEASURES WILL BE REPAIRED AT THE CLOSE OF THE DAY.
6. ALL SILT FENCE TO BE MAINTAINED IN WORKING CONDITION.
7. STABILIZED CONSTRUCTION ENTRANCES TO BE PERIODICALLY SUPPLEMENTED WITH ADDITIONAL STONE AS NEEDED.
8. CONTROLS CAN BE REMOVED AFTER THEIR CONTRIBUTING BASINS HAVE BEEN PERMANENTLY STABILIZED, AND APPROVAL OF INSPECTOR IS OBTAINED.

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Issue Date:

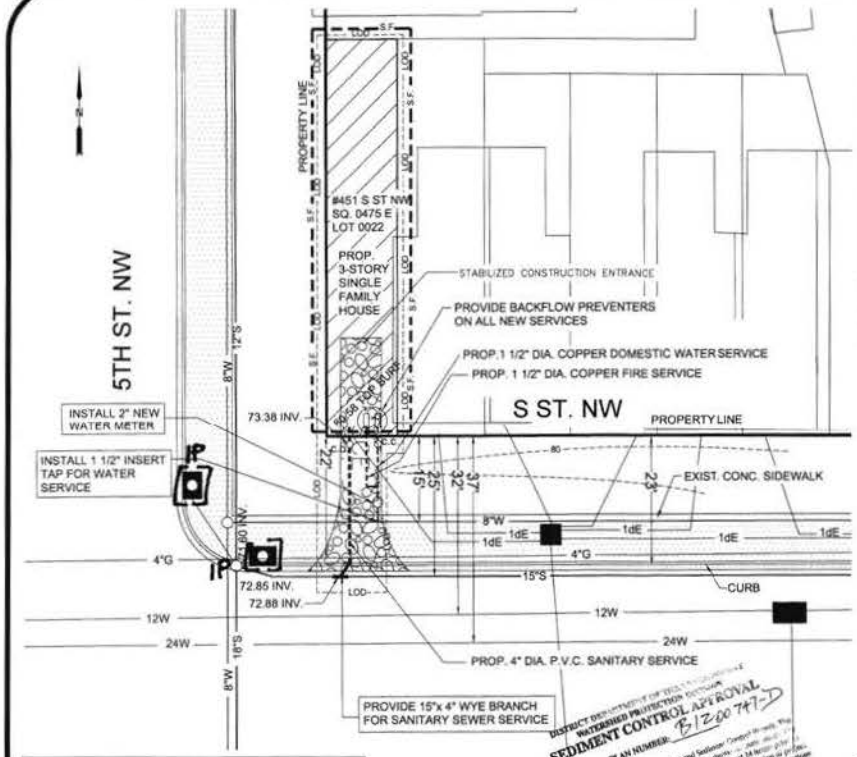
Revisions		
No.	Date	Description
1		
2		

NEW RESIDENCE
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, DC 20001
SQUARE E475 LOT 22

Project Number: Drawn By:
Designed By: Checked By:

Sheet Title: EROSION & SEDIMENT CONTROL DETAILS 3

Sheet Number: C-3



PLAN
SCALE: 1" = 10'

SITE INFORMATION

TOTAL AREA OF SITE	840 SQ. FT.
AREA OF DISTURBANCE	1,164 SQ. FT.
BUILDING AREA	840 SQ. FT.
TOTAL CUT	248.88 CU. YDS.
TOTAL FILL	0 CU. YDS.

SITE DESCRIPTION:
PRESENT SITE CONDITION IS EXCELENT WITH GOOD DRAINAGE AND VEGETATION FOR SOIL STABILIZATION. THE SITE IS VACANT TODAY. THE CONTRACTOR WILL NOT CHANGE PRESENT NATURAL DRAINAGE WHICH WILL ALLOW FOR MINIMUM SOIL EROSION MEASURES.

MISS UTILITY

NOTES
The locations of all utilities shown hereon are from field investigation, visible field evidence, and available records and cannot be guaranteed. Contractor/Engineer should dig test pits by hand at all utility crossings to verify exact locations.
Utility records had not been received from the utility companies at the time of this design.

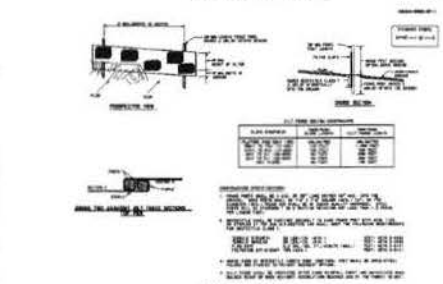
DISTRICT DEPARTMENT OF THE ENVIRONMENT
WATERSHED PROTECTION DIVISION
SEDIMENT CONTROL APPROVAL
PLAN NUMBER: B/2007-D
NOTICE: This approval is for the Grading and Sediment Control Plan only. You are required to contact design firm(s) at least 24 hours prior to the start of any earthwork activity and notify two (2) weeks after completion of plan. In the approval process, this office may require any changes or modifications.
Approved by: 01/23/12
Phone (202) 535-2977

LOCATION MAP — SITE

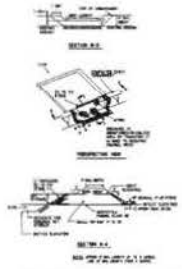
SEQUENCE OF CONSTRUCTION

SEDIMENT CONTROL NOTES

1. ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE INSTALLED BEFORE THE START OF ANY EXCAVATION AND/OR CONSTRUCTION AS PER STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR THE DISTRICT OF COLUMBIA. IF AN IN-SITE INSPECTION REVEALS FURTHER EROSION CONTROL MEASURES ARE NECESSARY, THE SAME SHALL BE PROVIDED.
2. ALL DEBRIS IS TO BE REMOVED FROM THE SITE.
3. ALLEY AND / OR STREET SHALL BE SWEPT CLEAN AT ALL TIMES DURING EXCAVATION AND CONSTRUCTION.
4. ALL SEDIMENT AND EROSION CONTROL MEASURES TO BE INSPECTED DAILY BY THE CONTRACTOR. ANY DAMAGED DEVICE OR MEASURE WILL BE REPAIRED OR REPLACED BY THE CLOSE OF DAY OR AS DIRECTED BY THE INSPECTOR.
5. ALL VEHICLES LEAVING THE SITE SHALL EXIT THROUGH THE CONSTRUCTION ENTRANCE. EXIT MUST SHALL BE WASHED DOWN TO REMOVE MUD FROM TIRES BEFORE ENTERING THE STREET. CONSTRUCTION ENTRANCE TO BE MAINTAINED IN GOOD WORKING CONDITIONS.
6. ALL CATCH BASINS AND AREA DRAINS SHALL BE PROTECTED DURING EXCAVATION AND CONSTRUCTION.
7. IF ANY CATCH BASIN OR DRAIN BECOMES CLOGGED AS A RESULT OF EXCAVATION OR CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE CLEANING.
8. ALL DISTURBED AREAS BEYOND THE LIMIT OF DISTURBANCE BOUNDARY THAT CANNOT TO BE PAVED SHALL BE SEEDED OR SODDED AS PER DC SPECIFICATIONS WITHIN SEVEN DAYS OF DISTURBANCE.
10. ANY STOCKPILING REGARDLESS OF LOCATION ON SITE SHALL BE STABILIZED WITHIN 14 DAYS AND COVERED WITH PLASTIC OR CANVAS, AFTER ITS ESTABLISHMENT AND FOR THE DURATION OF THE PROJECT.
11. AFTER RAIN OF DEGREE, THERE IS NEED FOR GROUNDCOVER TO PREVENT EROSION AND SEDIMENT RUNOFF FROM OCCURRING. RATE AS SEED, SOD, PAVING, BIODRAIN OF MULCH, ETC.
12. AT THE COMPLETION OF CONSTRUCTION PROJECT AND AFTER THE D.C. EROSION AND SEDIMENT CONTROL INSPECTOR APPROVAL, ALL EMPLOYED SILTATION, SEDIMENTATION AND EROSION CONTROL MEASURES AND DEVICES SHALL BE REMOVED AND ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED.



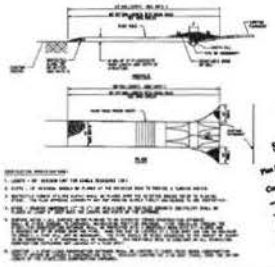
SILT FENCE



STONE / RIP-RAP - OUTLET SEDIMENT TRAP

AT GRADE INLET GUARD

STRAW BALE DIKE



STABILIZED CONSTRUCTION ENTRANCE

DISTRICT DEPARTMENT OF THE ENVIRONMENT
INTERNAL REVIEW CONSTRUCTION
INTERNAL REVIEW DIVISION
TECHNICAL REVIEW DIVISION
STORMWATER PLAN REVIEW
Date: 01/23/12
Approved by:
Phone (202)

District Department of the Environment
Watershed Protection Division
Sediment Control Review Plan
Signature: 01/23/12

LEGEND

LOD ——— LIMITS OF DISTURBANCE
SILT FENCE

LEGEND

- EARTH DIKE
- SILT FENCE
- TEMPORARY SWALE
- STABILIZED CONSTRUCTION ENTRANCE
- PERIMETER DIKE/SWALE
- INLET PROTECTION
- DIVERSION
- GRASSED WATERWAY
- ROCK OUTLET PROTECTION
- SUBSURFACE DRAIN
- TREE PROTECTION
- STRAW BALE DIKE

THIS DRAWING TO BE USED FOR PERMIT PURPOSES ONLY.

No.	Revision/Issue	Date

Project Name and Address

NEW WATER & SEWER SERVICE
SOIL EROSION PLAN
#451 S ST. NW

Project: S ST. NW
Date: JANUARY 12, 2012
Scale: AS SHOWN
Sheet: ER – 1

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ARCHITECTS
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DISTRICT OF COLUMBIA
RAOUL LISSABET, A.I.A.
No. ARC100177
REGISTERED
ARCHITECT

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CIVIL NARRATIVE

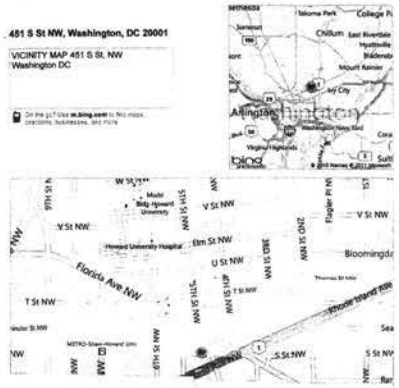
THIS PLAN INCLUDES THE EROSION AND SEDIMENT CONTROL FOR THE CONSTRUCTION OF A 2 UNIT DWELLING @ 451 S ST, N.W. WASHINGTON DC. THE PRESENT SITE IS A VACANT FLAT LOT WITH NO CONTOURS (VERY FLAT). MINIMUM EXCAVATION WILL BE PERFORMED AS THE LOT IS A VERY SMALL LOT OF TOTAL 844 SQ.FT. THIS PROJECT WILL ALSO INCLUDE THE INSTALLATION OF SANITARY WATER, SEWER, GAS AND ELECTRIC SERVICES WHICH WILL BE PERFORMED UNDER CUT AND COVER INSTRUCTIONS PER DCRA AND DDOT SPECIFICATIONS. THIS SITE WILL BE SEEDED AND STABILIZED WITH THOES AREAS RETURNING TO 100%PREVIOUS AT COMPLETION. REFER TO DRAWINGS SET FOR SPECIFICATION SECTION SUMMARY OF ADDITIONAL PROJECT NARRATIVES.

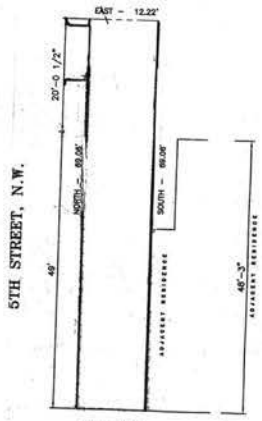
PROJECT SEQUENCE OF CONSTRUCTION

1. OBTAIN ALL REQUIRED BUILDING AND PUBLIC SPACE PERMITS
2. THE CONTRACTOR MUST NOTIFY DCRA-DDOE AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION
3. THE LIMITS OF DISTURBANCE MUST BE FIELD MARKED PRIOR TO THE INSTALLATION OF SEDIMENT CONTROL MEASURES. CONSTRUCTION OR OTHER LAND DISTURDING ACTIVITIES.
4. INSTALL PERIMETER SEDIMENT AND EROSION CONTROL MEASURES.
5. THE STRUCTURE WILL BE BUILT ACCORDING TO PROJECT PLANS IN SEQUENCE TO FLOOR, WALLS AND TOP FASHION.
6. REFER TO EROSION AND SEDIMENT CONTROL DETAILS SHEET FOR DUST CONTROL REQUIREMENTS.
7. ALL EROSION AND SEDIMENT CONTROLS SHALL BE CHECKED DAILY AND ADJUSTED OR REPLACED AS NECESSARY TO FULLY CONTAIN AND CONTROL SEDIMENT ON SITE.

451 S St NW, Washington, DC 20001

VICINITY MAP 451 S St. NW
Washington DC





S STREET, N.W.
EXISTING SITE PLAN

SCALE: 1"=10'-0"

LOT DATA
DISTURBED AREA: 800 SQ. FT.
VOLUME OF CUT: 3,100 SQ.FT.
VOLUME OF FILL: 0 SQ. FT.

CODE ANALYSIS
USE GROUP: R3
CONSTRUCTION TYPE: 5-B
NUMBER OF STORIES: 3
LOT AREA: 844 SQ.FT.

LEGEND
EXISTING CONTOURS
PROPOSED CONTOURS
EXISTING CHAIN LINK FENCE
LIMIT OF DISTURBANCE
SILT FENCE
STABILIZED CONSTRUCTION ENTRANCE
NEW RESIDENCE
EXISTING SPOT ELEVATION +92.0'

S STREET, N.W.
SOIL & EROSION
CONTROL PLAN

DISTRICT OF COLUMBIA GOVERNMENT
OFFICE OF THE SURVEYOR

Washington, D.C., September 12, 2011

Plat for Building Permit of SQUARE E-475 LOT 22

Scale: 1 inch = 10 feet Recorded in Book 12 Page 170

Receipt No. 11-05562

Furnished to: IPUS INC.

Surveyor, D.C.

By: A.S.

I hereby certify that all existing improvements shown hereon, are completely dimensioned, and are correctly platted; that all proposed buildings or construction, or parts thereof, including covered porches, are correctly dimensioned and platted; and agree with plans accompanying the application; that the foundation plans as shown hereon is drawn, and dimensioned accurately to the same scale as the property lines shown on this plat;and that by reason of the proposed improvements to be erected as shown hereon the size of any adjoining lot or premises is not decreased to an area less than is required by the Zoning Regulations for light and ventilation; and it is further certified and agreed that accessible parking area where required by the Zoning Regulations will be reserved in accordance with the Zoning Regulations, and that the area has been correctly drawn and dimensioned hereon. It is further agreed that the elevation of the accessible parking area with respect to the Highway Department approved curb and alley grade will not result in a rate of grade along centerline of driveway at any point on private property in excess of 20% for single-family dwellings or flats, or in excess of 12% at any point for other buildings. (The policy of the Highway Department permits a maximum driveway grade of 12% across the public parking and the private restricted property.)

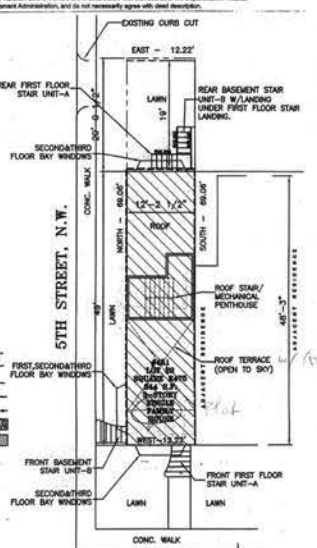
Nov 29 2011
(Signature of owner or his authorized agent)

NOTE: Data shown for Assessment and Taxation Lots or Parcels are in accordance with the records of the Department of Finance and Revenue, Assessment Administration, and do not necessarily agree with deed description.

LOT DATA
DISTURBED AREA: 800 SQ. FT.
VOLUME OF CUT: 3,100 SQ.FT.
VOLUME OF FILL: 0 SQ. FT.

CODE ANALYSIS
USE GROUP: R3
CONSTRUCTION TYPE: 5-B
NUMBER OF STORIES: 3
LOT AREA: 844 SQ.FT.

LEGEND
EXISTING CONTOURS
PROPOSED CONTOURS
EXISTING CHAIN LINK FENCE
LIMIT OF DISTURBANCE
SILT FENCE
STABILIZED CONSTRUCTION ENTRANCE
NEW RESIDENCE
EXISTING SPOT ELEVATION +92.0'



S STREET, N.W.
PROPOSED SITE PLAN

DISTRICT OF COLUMBIA
RAOUL LISSABET, A.I.A.
No. ARC100177
REGISTERED
ARCHITECT
11/29/11

SR-11-05562(2011)

Issue Date:

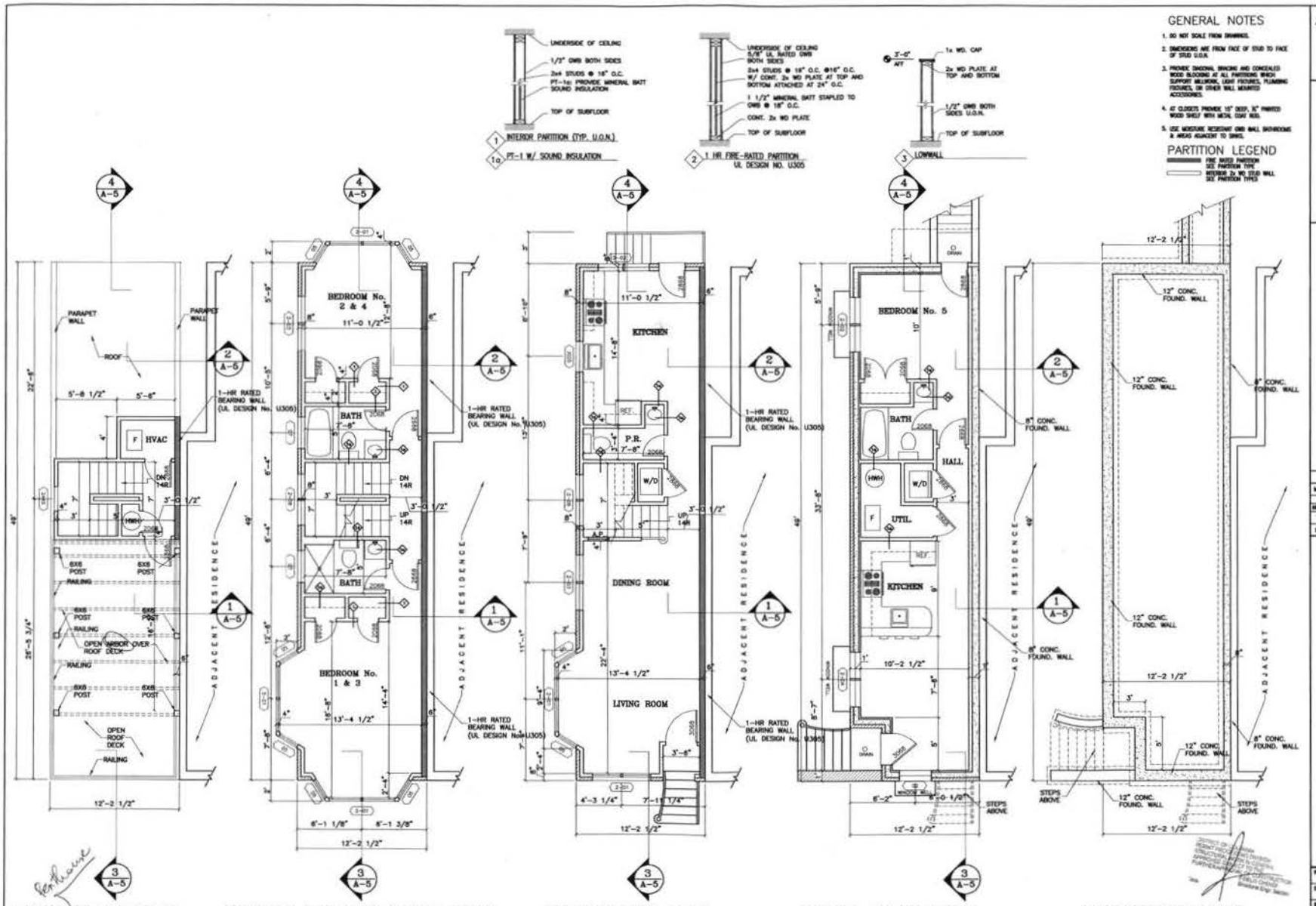
Revisions		
No.	Date	Description
1		
2		

NEW RESIDENCE
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON,DC 20001
SQUARE E475 LOT 22

Project Number: Drawn By:
Designed By: Checked By:

Sheet Title:
EROSION & SEDIMENT CONTROL DETAILS

Sheet Number:
EC-1



ATTIC FLOOR PLAN
SCALE: 1/4"=1'-0"
(UNIT-A)

SECOND & THIRD FLOOR PLAN
SCALE: 1/4"=1'-0"
(UNIT-A)

FIRST FLOOR PLAN
SCALE: 1/4"=1'-0"
(UNIT-A)

CELLAR FLOOR PLAN
SCALE: 1/4"=1'-0"
(UNIT-B)

FOUNDATION PLAN
SCALE: 1/4"=1'-0"

ARCHITECTS
RAOUL LIBABIDI, A.I.A.
ARCHITECTS, LLC
19801 BEALLY TERRACE
GAITHERSBURG, MARYLAND 20879
TEL: (301) 948-2107
E-MAIL: libabidi@comcast.net

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No.	Date	Revisions Description
1	10/31/11	DCRA REVIEW COMMENTS
2	11/21/11	DCRA REVIEW COMMENTS

NEW RESIDENCE

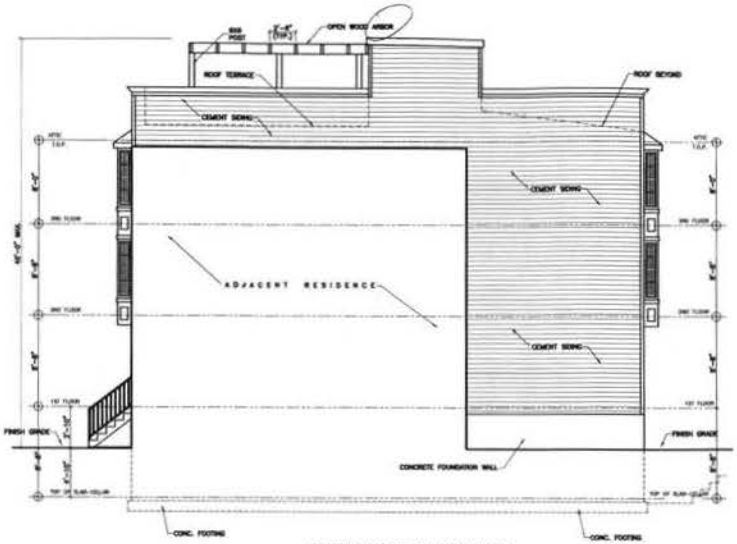
LOCATION: 1 MILLINGTON CIRCLE, N.W.
WASHINGTON, D.C. 20007

SQUARE 1247 LOT 0049

Project Number: Drawn By:
Designed By: Checked By:

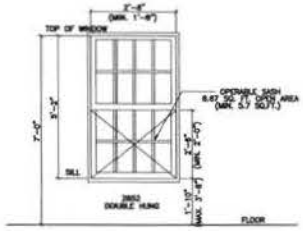
Sheet Title: FLOOR PLANS

Sheet Number: A-1

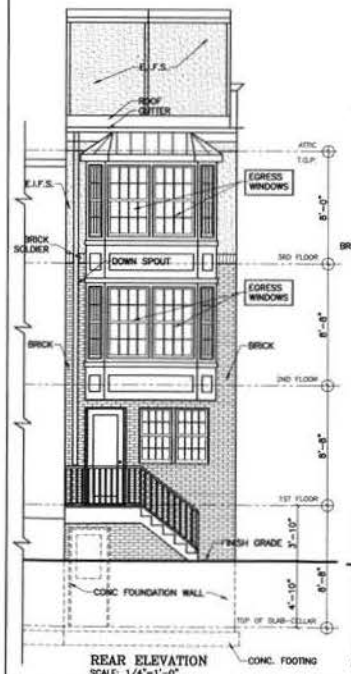


INTERIOR SIDE ELEVATION
SCALE: 3/16"=1'-0"

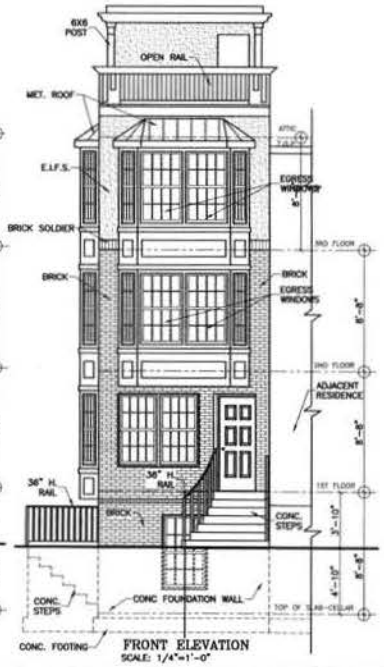
WINDOW SCHEDULE						
MARK	SIZE	TYPE	WIDTH	HEIGHT	SASH SILL HT.	REMARKS
①	1X4	WOOD DBL.	2'-4"	5'-4"	5'-3 1/2" 2'-4" A.F.F.	SHADE ONLY
②	1X4	WOOD DBL.	2'-4"	4'-4"	5'-3 1/2" 2'-4" A.F.F.	SHADE ONLY
③	1X4	WOOD DBL.	2'-4"	4'-4"	5'-3 1/2" 2'-4" A.F.F.	SHADE ONLY
④	1X4	WOOD DBL.	2'-4"	4'-4"	5'-3 1/2" 2'-4" A.F.F.	
⑤	1X4	WOOD DBL.	2'-4"	4'-4"	5'-3 1/2" 2'-4" A.F.F.	
⑥	1X4	WOOD DBL.	2'-4"	4'-4"	5'-3 1/2" 2'-4" A.F.F.	
⑦	1X4	WOOD CAST.	2'-4"	4'-4"	5'-3 1/2" 2'-4" A.F.F.	



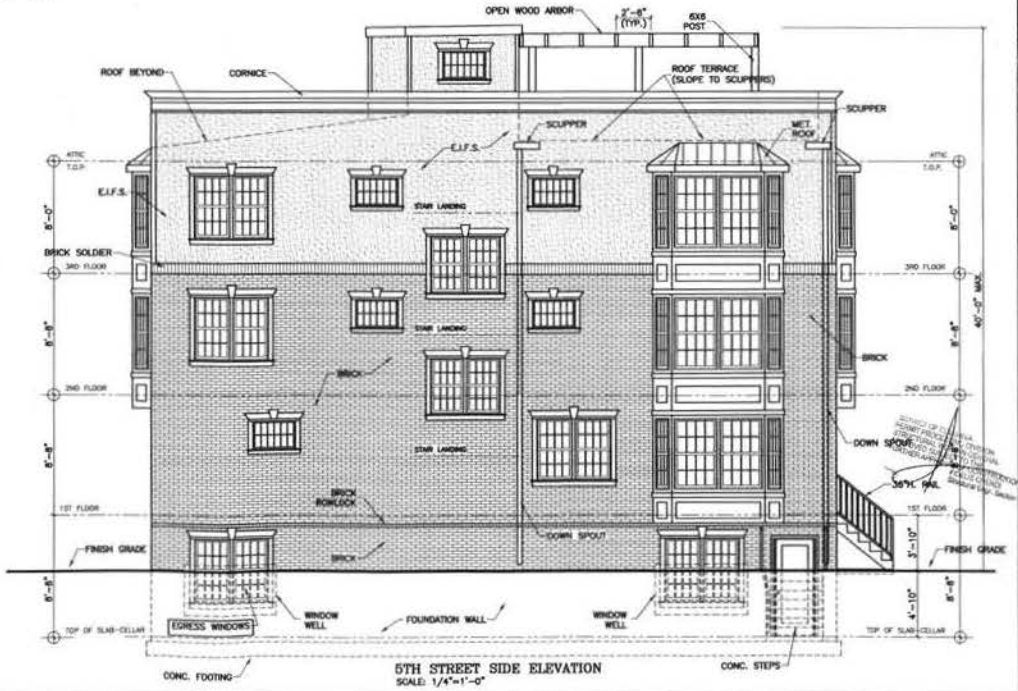
TYPICAL BEDROOM EMERGENCY ESCAPE WINDOW CLEARANCES
SCALE: N.T.S.



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



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



5TH STREET SIDE ELEVATION
SCALE: 1/4"=1'-0"

ARCHITECTS
RAOUL LIBBARET, A.I.A.
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E-Mail: rlibbaret@comcast.net

11/21/11

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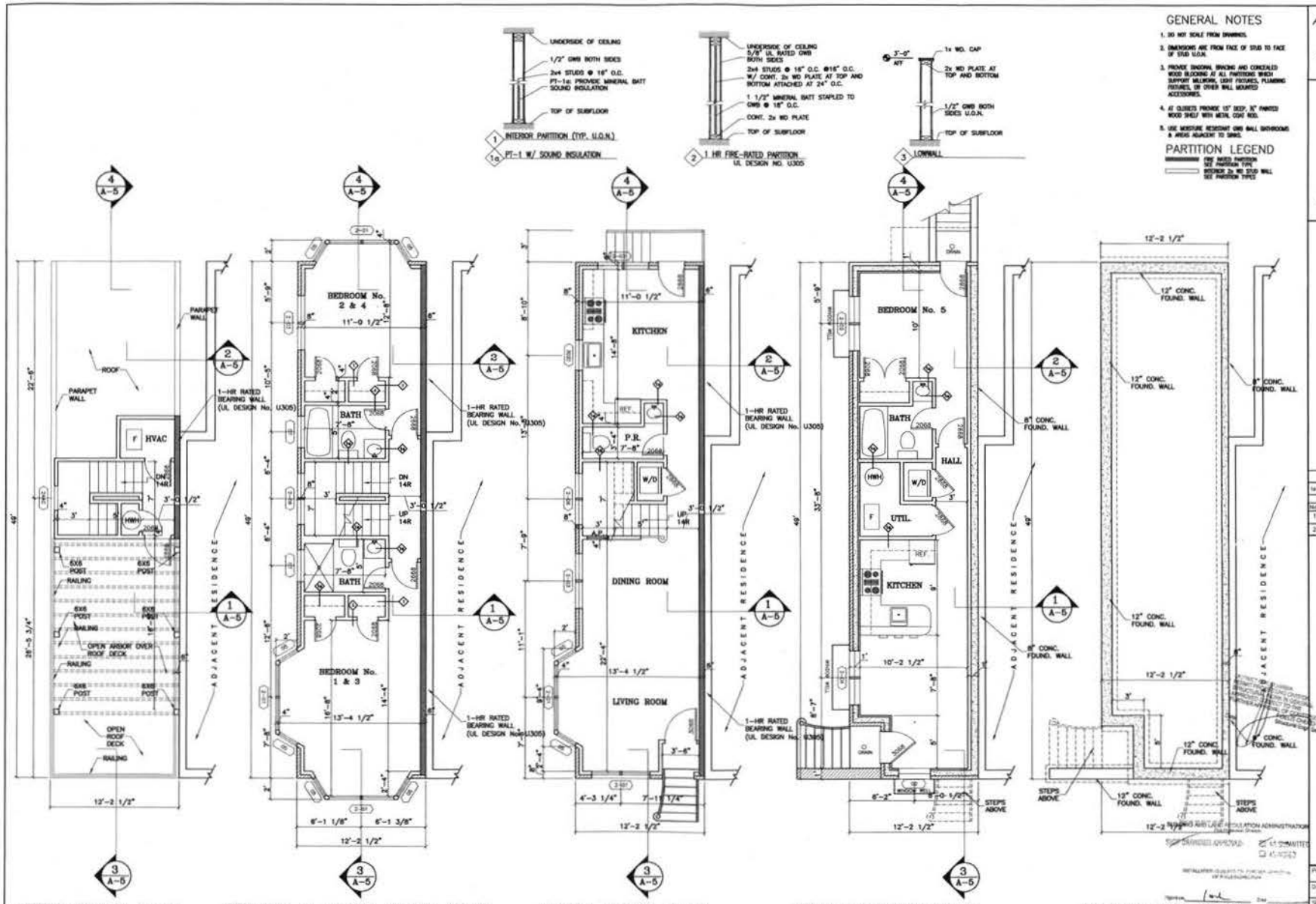
Issue Date:	
Revisions	
No.	Date	Description
1	10/31/11	DCRA REVIEW COMMENTS
2	11/21/11	DCRA REVIEW COMMENTS

NEW RESIDENCE
451 & 453 5TH STREET N.W.
WASHINGTON, DISTRICT OF COLUMBIA
SQUARE 472 LOT 829

Project Number: Drawn By:
Designed By: Checked By:

Sheet Title: ELEVATIONS WINDOW SCHEDULE

Sheet Number: A-2



ARCHITECTS
RAOUL LISSABET, A.I.A.
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19031 SEDLEY TERRACE
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E-Mail: rlissabet@comcast.net

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Revisions

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1	10/31/11	DCRA REVIEW COMMENTS
2		

NEW RESIDENCE

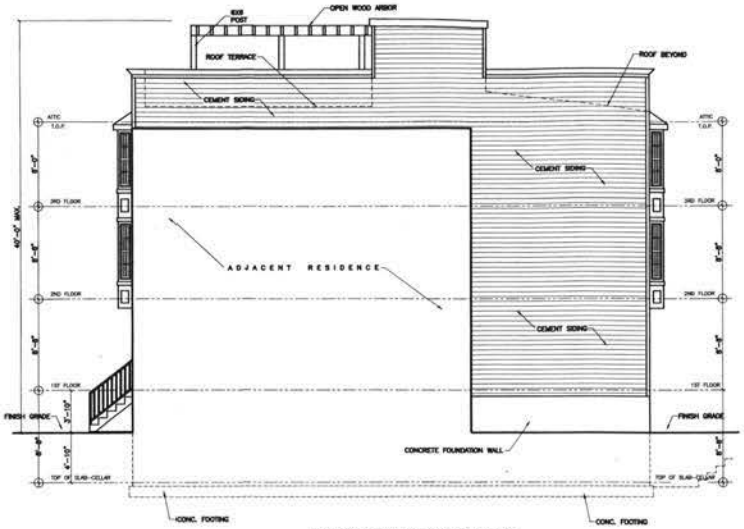
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, DC 20001

SQUARE E475 LOT 22

Project Number: Drawn By:
Designed By: Checked By:

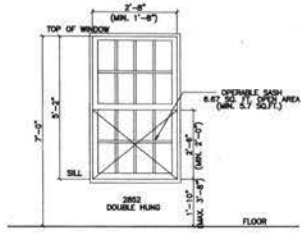
Sheet Title: FLOOR PLANS

Sheet Number: A-1

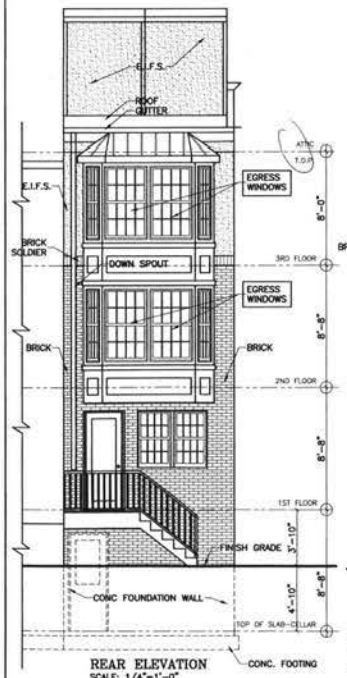


INTERIOR SIDE ELEVATION
SCALE: 3/16"=1'-0"

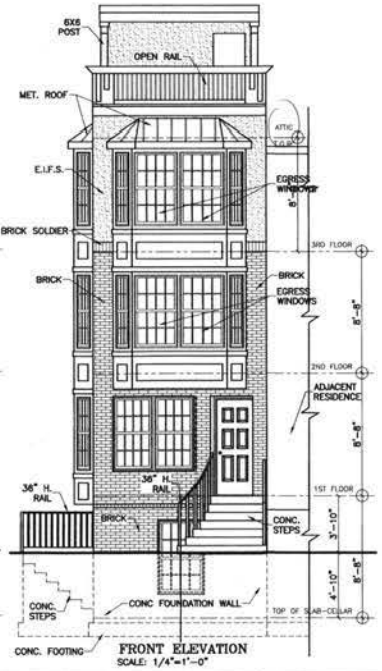
WINDOW SCHEDULE						
MARK	MANUF.	MODEL	WINDOW UNIT SIZE WIDTH	WINDOW UNIT SIZE HEIGHT	WINDOW HEIGHT	COMMENTS
[illegible]	TBD	WOOD DBL.	2'-6"	6'-6"	SILL @ TOP 6'-6" A.F.F.	EGRESS UNIT
[illegible]	TBD	WOOD DBL.	2'-6"	6'-6"	SILL @ TOP 6'-6" A.F.F.	EGRESS UNIT
[illegible]	TBD	WOOD DBL.	2'-6"	6'-6"	SILL @ TOP 6'-6" A.F.F.	EGRESS UNIT
[illegible]	TBD	WOOD DBL.	2'-6"	6'-6"	SILL @ TOP 6'-6" A.F.F.	
[illegible]	TBD	WOOD DBL.	2'-6"	6'-6"	SILL @ TOP 6'-6" A.F.F.	
[illegible]	TBD	WOOD DBL.	2'-6"	6'-6"	SILL @ TOP 6'-6" A.F.F.	
[illegible]	TBD	WOOD CASE.	2'-6"	6'-6"	SILL @ TOP 6'-6" A.F.F.	



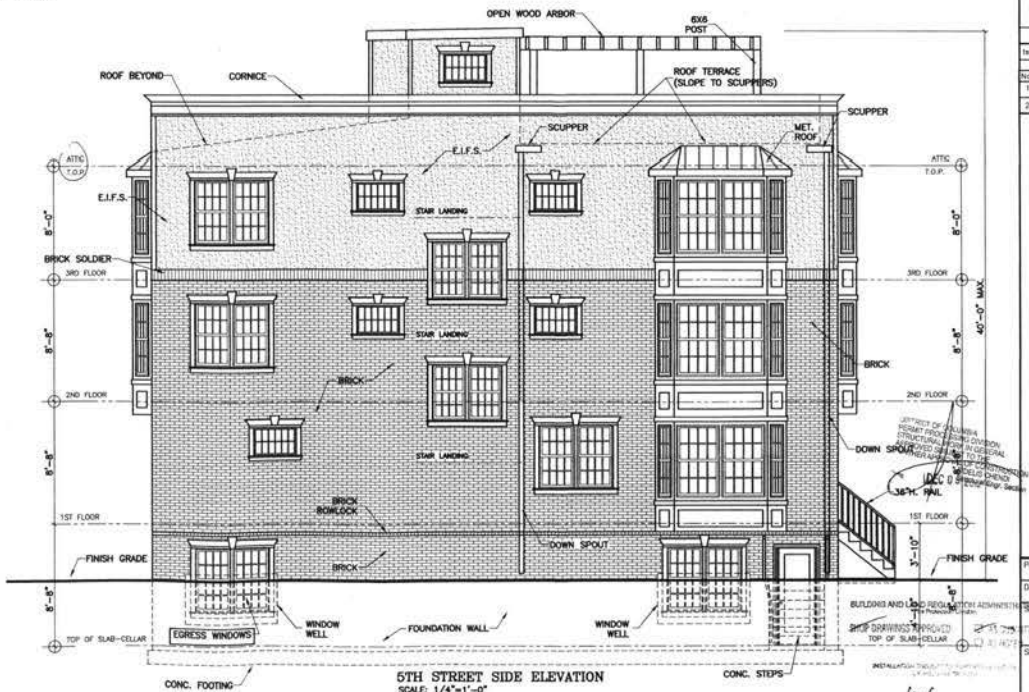
TYPICAL BEDROOM EMERGENCY ESCAPE WINDOW CLEARANCES
SCALE: N.T.S.



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



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



5TH STREET SIDE ELEVATION
SCALE: 1/4"=1'-0"

ARCHITECTS
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19021 SEDLEY TERRACE
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Revisions		
No.	Date	Description
1	10/31/11	DCRA REVIEW COMMENTS
2		

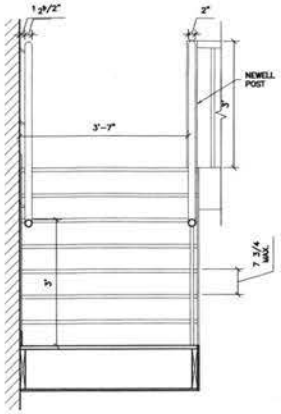
NEW RESIDENCE

451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, DC 20001

SQUARE E475 LOT 22

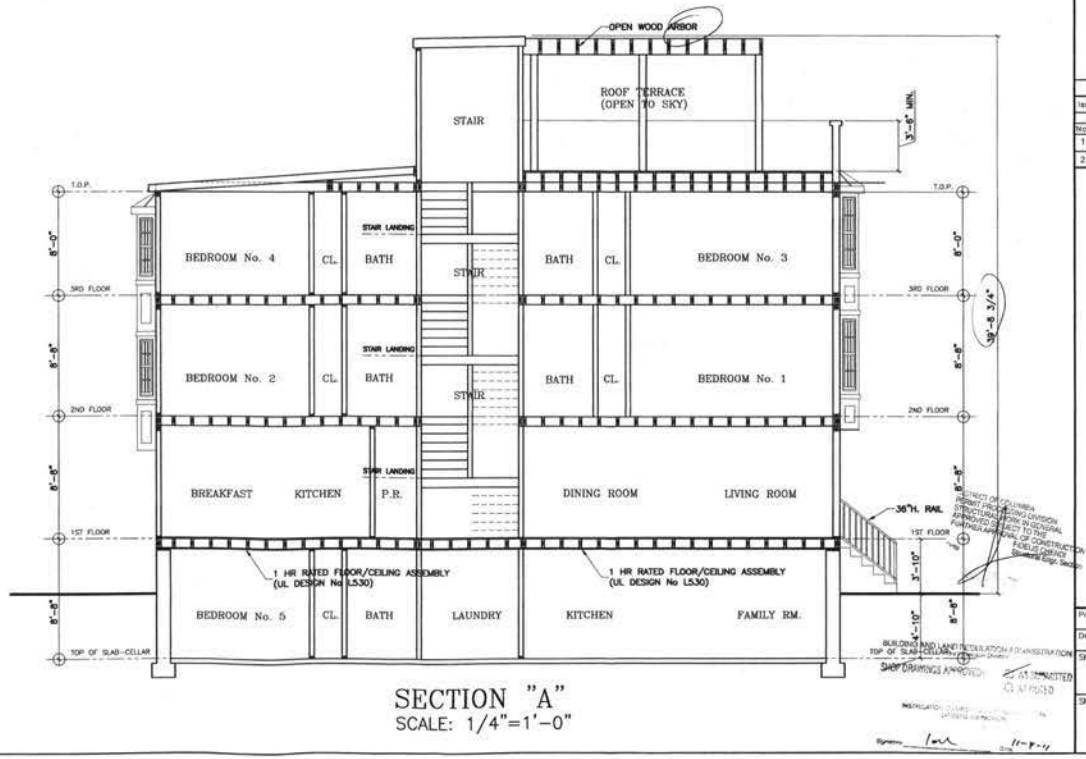
Project Number: Drawn By:
Designed By: Checked By:
Sheet Title: ELEVATIONS WINDOW SCHEDULE
Sheet Number: A-2

11-7-11



STAIR SECTION B-B
NTS

STAIR DETAIL
NTS



SECTION "A"
SCALE: 1/4"=1'-0"

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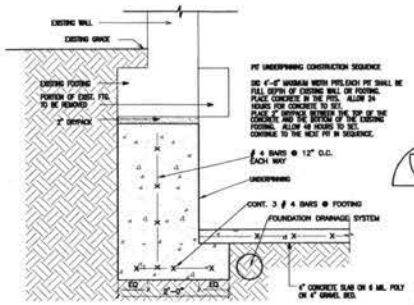
NEW RESIDENCE

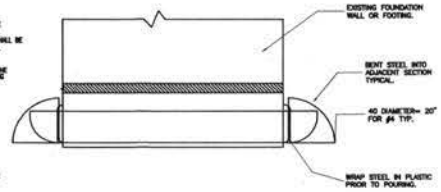
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, DC 20001

SQUARE E475 LOT 22

Project Number: Drawn By:
Designed By: Checked By:
Sheet Title: SECTION DETAILS
Sheet Number: A-2a

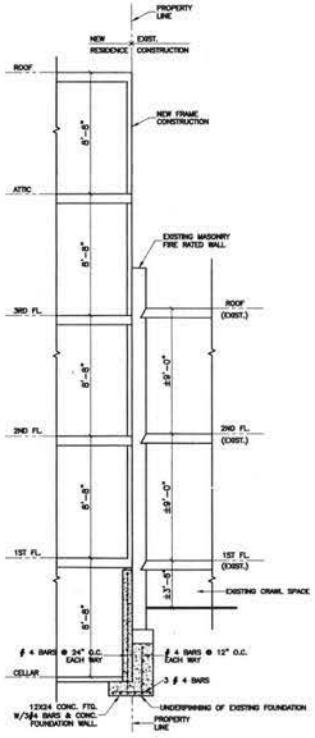


TYPICAL UNDERPINNING DETAIL
3/4"=1'-0"

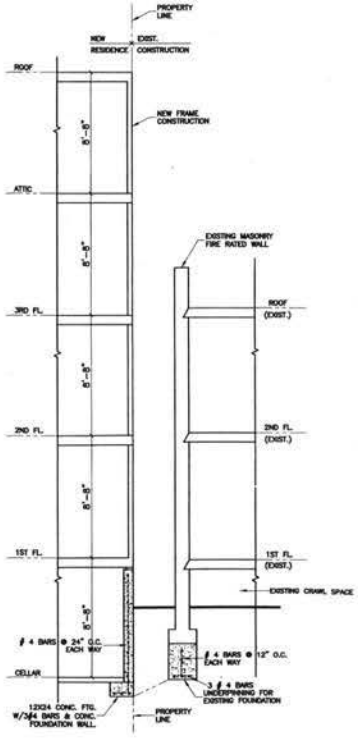


TYPICAL UNDERPINNING WALL DETAIL
SCALE: 3/75

NOTES:
- 1. THIS DETAIL IS TYPICAL AND IS SUBJECT TO MODIFICATION AS STRUCTURALLY REQUIRED TO ACCOMODATE EXISTING CONDITIONS.
- 2. GC TO FIELD VERIFY EXISTING CONDITIONS DURING EXCAVATION AND REPORT CONDITIONS TO ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION FOR COORDINATION AS REQUIRED.



SECTION – A



SECTION – B

UNDERPINING NOTES

FLOOR LOADS 40 PSF

PRESUMPTIVE BEARING PRESSURE: 2,000 PSF
ACTIVE SOIL PRESSURE: 80 PSF

CONCRETE 28-DAY STRENGTH: 3,500 PSI
REINFORCING STEEL: 40,000 PSI

PROVIDE TEMPORARY BRACING FOR ALL FRAMING ON WALL FOOTING SEGMENTS TO BE UNDERPINNED. SHORES SHALL REMAIN IN PLACE UNTIL THE UNDERPINNED SEGMENT IS COMPLETED.

ALL SOIL EXCAVATED SEGMENTS IDENTIFIED AS UNSTABLE SHALL IMMEDIATELY BE SHORED. EXCAVATED SOIL SHALL BE REMOVED FROM THE SITE UNLESS STORED IN A MANNER NOT OBSTRUCTING THE FREE DRAINAGE OF STORM WATER FROM THE SITE.

ALL UNDERPINNING SHALL PROCEED IN THE FOLLOWING SEQUENCE: LABEL ALL SECTIONS ON WALLS AS SHOWN ON THE DRAWING. COMPLETE ALL SECTIONS MARKED "1" AND PROCEED IN NUMERICAL ORDER TO THE COMPLETION OF SECTION MARKED "4"

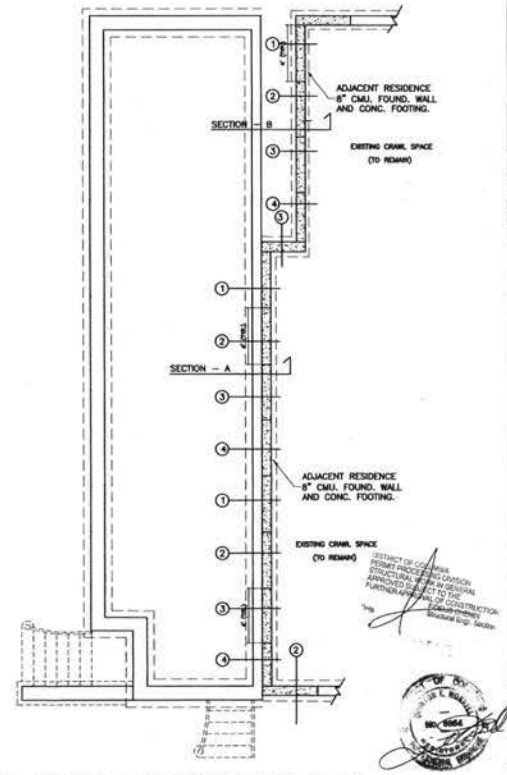
DRYPACKING OF SECTIONS SHALL NOT PROCEED WITHIN 24 HOURS OF THE CONCRETE POUR.

FLOOR EXCAVATIONS SHALL NOT PROCEED UNTIL COMPLETION OF UNDERPINNING UNLESS EMBANKMENTS AT UNDERPINNING SECTIONS ARE AT A MINIMUM OF 1:1 SLOPE OR SHEETED AND SHORED.

PROVIDE VERTICAL CONTINUOUS WATER STOPS AT THE INTERFACE OF BOTH FACES OF SECTIONS.

HORIZONTAL BARS SHALL BE DOWELLED INTO ADJACENT SECTIONS. DOWELS PROTRUDING INTO THE EARTH SHALL BE PROTECTED WITH A WRAP, AND SHALL BE REMOVED PRIOR TO THE CONCRETE POUR.

GRADES AT THE BUILDING WALLS SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE OF STORM WATER AWAY FROM THE BUILDING.



PROPOSED UNDERPINNING PLAN
SCALE: 1/4"=1'-0"

ARCHITECTS
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Revisions		
No.	Date	Description
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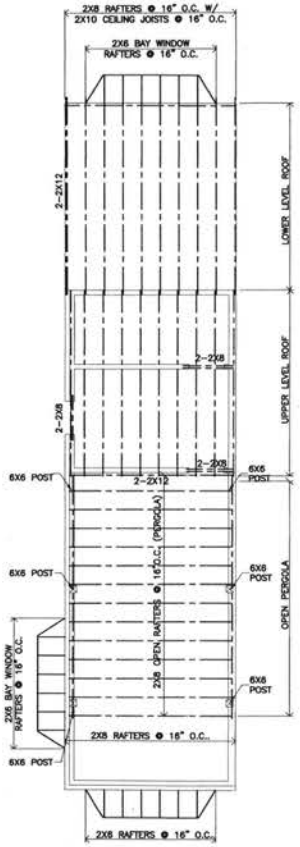
NEW RESIDENCE
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, DC 20001
SQUARE E475 LOT 22

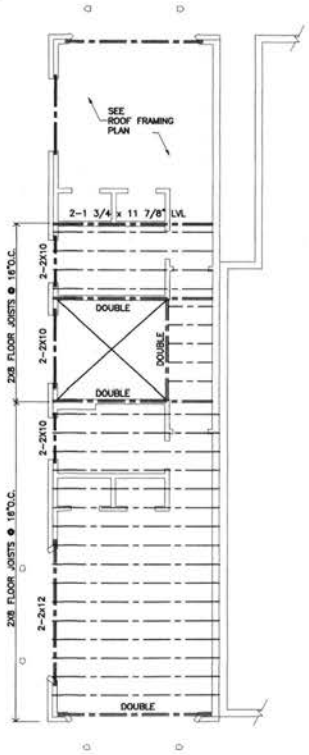
Project Number: Drawn By:
Designed By: Checked By:

Sheet Title:
UNDERPINNING PLAN
DETAILS-NOTES

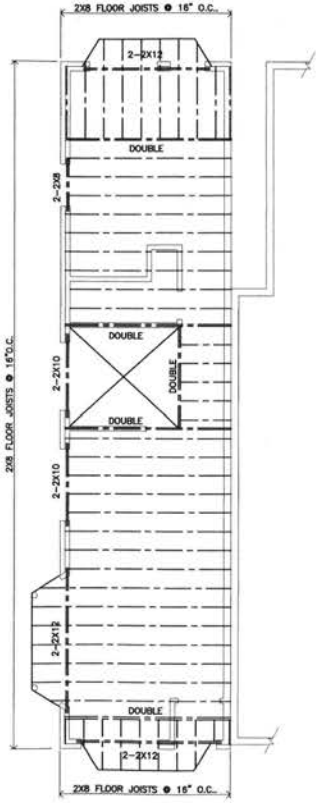
Sheet Number:
A-3



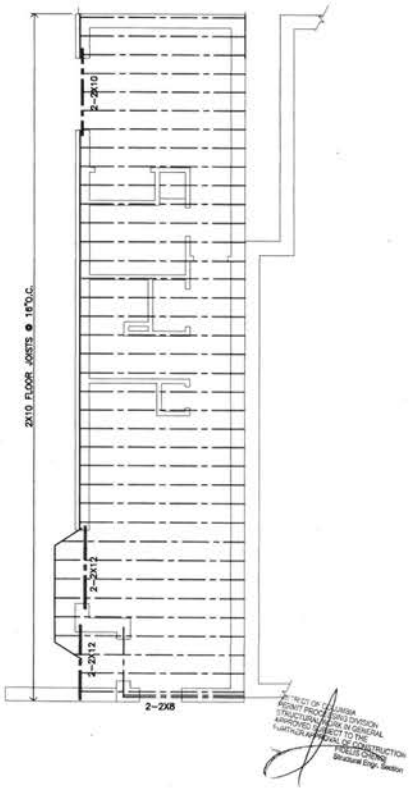
ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



ATTIC FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"



SECOND / THIRD FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"



FIRST FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"

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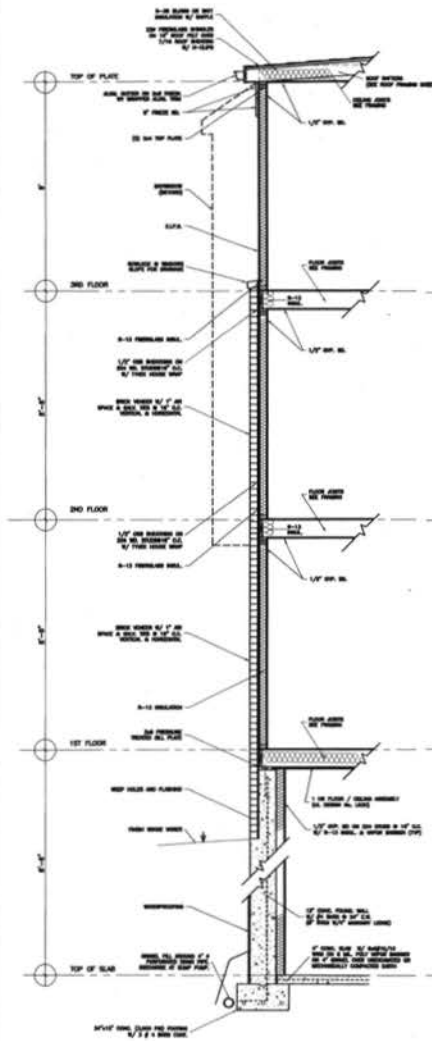
Issue Date:

Revisions

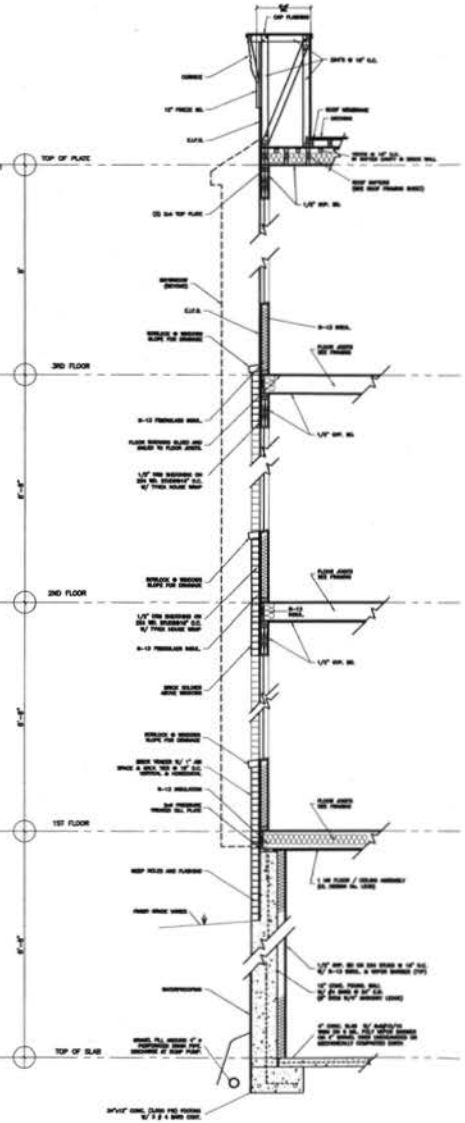
No.	Date	Description
1		
2		

NEW RESIDENCE
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON.DC 20001
SQUARE E475 LOT 22

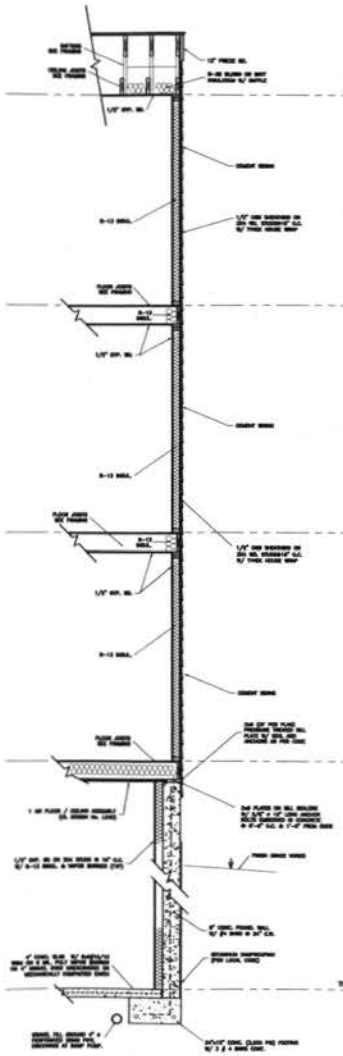
Project Number: Drawn By:
Designed By: Checked By:
Sheet Title: FRAMING PLANS
Sheet Number: A-4



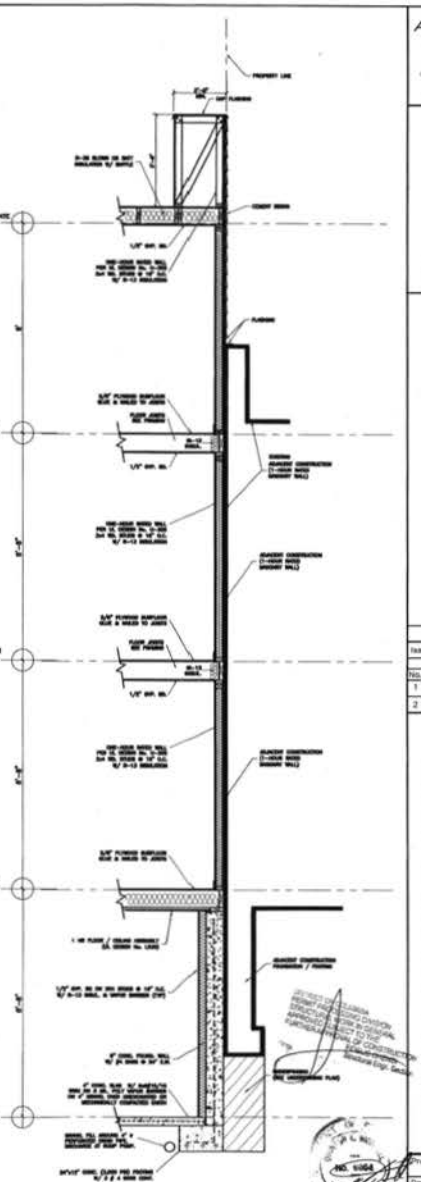
4 / A-5 WALL SECTION – REAR
SCALE: N.T.S.



3 / A-5 WALL SECTION – SIDE/FRONT
SCALE: N.T.S.



2 / A-5 WALL SECTION – INTERIOR SIDE
SCALE: N.T.S.



1 / A-5 WALL SECTION – COMMON WALL
SCALE: N.T.S.

ARCHITECTS
RAOUL LISSABET, A.I.A.
ARCHITECTS, LLC
19021 SEDLEY TERRACE
GAITHERSBURG, MARYLAND 20879
Tel: (301) 948-3197
E-Mail: rlissabet1@comcast.net

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Issue Date:

Revisions

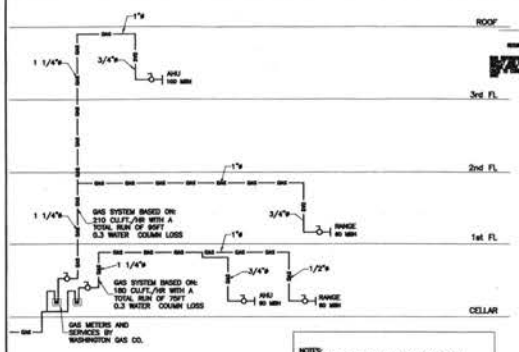
No.	Date	Description
1	10/31/11	DCRA REVIEW COMMENTS
2		

NEW RESIDENCE
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, DC 20001
SQUARE E475 LOT 22

Project Number: Drawn By:
Designed By: Checked By:

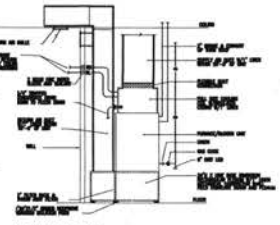
Sheet Title: WALL SECTIONS

Sheet Number: A-5

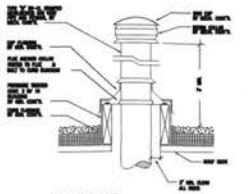


GAS RISER DIAGRAM
N.T.S.

NOTES:
1. SIZE GAS PIPING PER UTILITY REQUIREMENTS.
2. PROVIDE ALL PIPING, VALVING AND ASSEMBLIES AT EACH OUTLET AS REQUIRED BY THE MANUFACTURER AND ANSI FOR A SAFE INSTALLATION



AC UNIT DETAIL
NOT TO SCALE



FLUE DETAIL
NOT TO SCALE

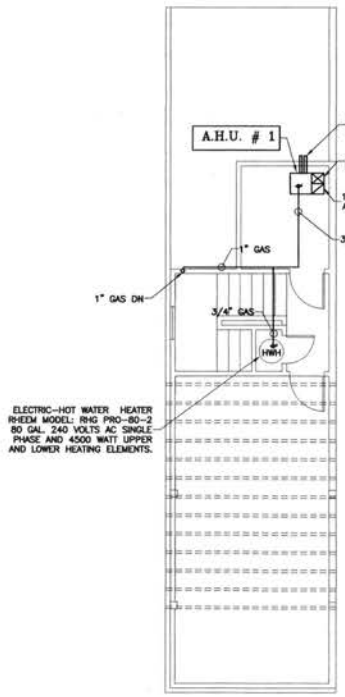
EQUIPMENT LIST

REGISTER & GRILLE SCHEDULE			
TYPE	TOTAL	FIN LL.	OPT.
SUPPLY			
12"x4" SIDE WALL			
10"x4" FLOOR			
12"x4" FLOOR	24		
12"x4" C.B. CLG. 1-WAY	8		
10"x4" C.B. CLG. 1-WAY			
RETURN			
12"x12" SIDE WALL	1		
14"x14" CEILING	1		
14"x14" SIDE WALL	2		
24"x20" SIDE WALL			

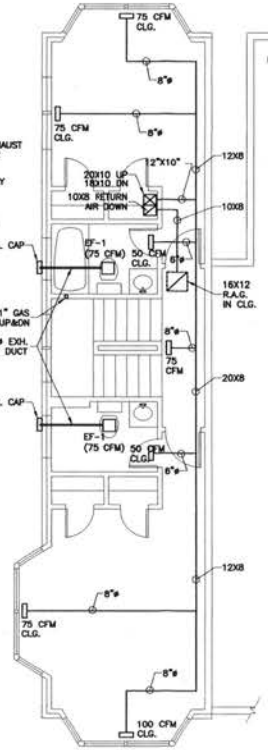
* C.B. DENOTES CURVED BLADE REGISTER
* 1-WAY DENOTES DIRECTION OF AIR FLOW

WALL REGISTER LEGEND	
BRANCH SIZE	RISER SIZE OR OVAL EQUIV.
4" ROUND	3 1/4"x8"
5" ROUND	3 1/4"x10"
6" ROUND	3 1/4"x10"
7" ROUND	3 1/4"x12"

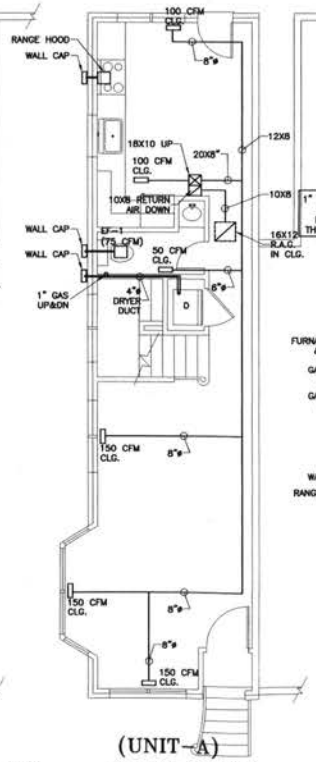
AIR VOLUME SUMMARY		
ROOM	HTG CFM	CLG CFM
BASEMENT	69	60
LIV/DIN RM	60	33
KITCHEN	102	175
P.R.	52	39
BEDRM. #2	90	97
BEDRM. #3	85	94
BATH	52	39
HALL	52	39
M. BEDRM	157	135
M. BATHRM	45	45
W.I.C.	52	39
HALL	52	39
LOFT	85	94



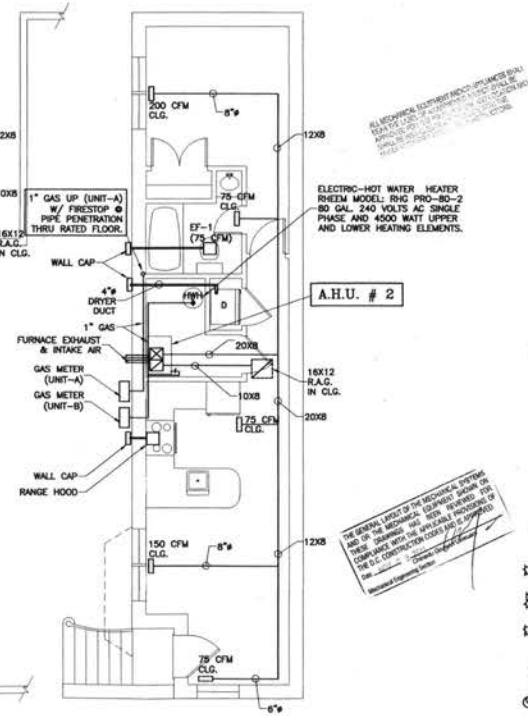
(UNIT-A)
ATTIC HVAC PLAN
SCALE: 1/4"=1'-0"



(UNIT-A)
SECOND & THIRD FLOOR
HVAC PLAN
SCALE: 1/4"=1'-0"



(UNIT-A)
FIRST FLOOR
HVAC PLAN
SCALE: 1/4"=1'-0"



(UNIT-B)
CELLAR
HVAC PLAN
SCALE: 1/4"=1'-0"

ALL MECHANICAL EQUIPMENT AND/OR UPPLIANCES BEING INSTALLED OR ALTERED IN THIS DWELLING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

THE GENERAL LAYOUT OF THE MECHANICAL SYSTEMS AND OR THE MECHANICAL EQUIPMENT SHOWN ON THIS DRAWING HAS BEEN REVIEWED FOR COMPLIANCE WITH THE APPLICABLE PROVISIONS OF THE D.C. CONSTRUCTION CODES AND IS APPROVED.
Date: _____ Signature: _____
Mechanical Engineer Series

HVAC SYMBOLS

- SUPPLY DUCT UP
- SUPPLY DUCT DOWN
- RETURN OR EXHAUST DUCT UP
- RETURN OR EXHAUST DUCT DOWN
- 12X8 — DUCT (FIRST FIGURE, SIDE SHOWN AND SECOND FIGURE, SIDE NOT SHOWN) ALL DUCTS DIMENSIONS SHALL BE SHOWN IN INCHES.
- TRANSITIONS
- RECTANGULAR TO ROUND TRANSITION
- STANDARD RECTANGULAR BRANCH FOR SUPPLY OR RETURN
- RECTANGULAR DUCT ELBOW WITH TURNING VANES
- ROUND DUCT DOWN
- T — THERMOSTAT
- SUPPLY RISER

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2		

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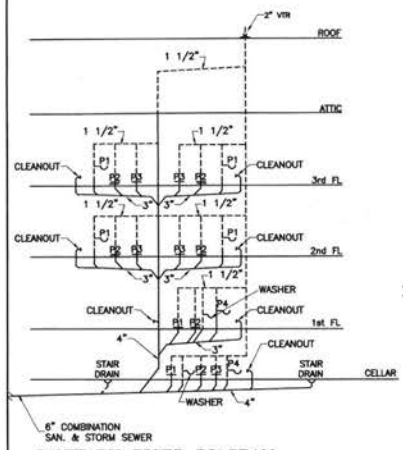
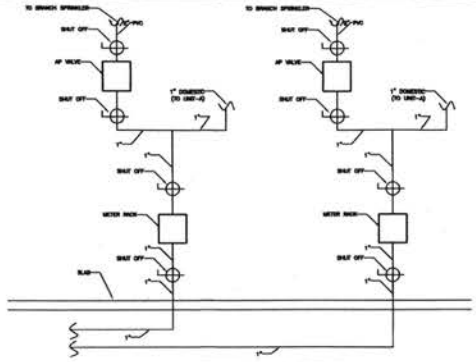
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, DC 20001
SQUARE E475 LOT 22

Project Number: Drawn By:
Designed By: Checked By:
Sheet Title: HVAC & GAS PLANS
Sheet Number: M-1



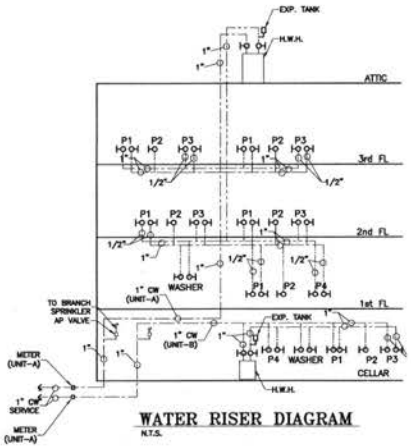
SANITARY RISER DIAGRAM



WATER RISER DETAIL
N.T.S.

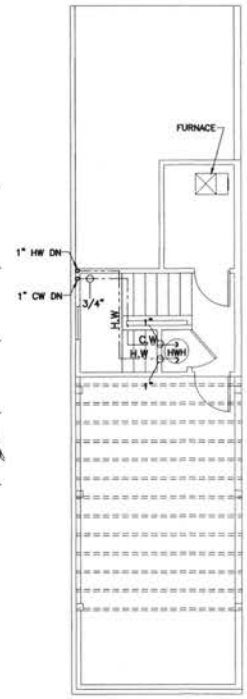
PLUMBING FIXTURE SCHEDULE						
ITEM	DESCRIPTION	SAN.,W.	V.	C.W.	H.W.	REMARKS
P-1	LAVATORY BOWL	1-1/2"	1-1/2"	1/2"	1/2"	"AMERICAN STANDARD" SELECTION BY OWNER
P-2	WATER CLOSET	4"	2"	1/2"	-	"AMERICAN STANDARD" SELECTION BY OWNER
P-3	TUB/SHOWER	2"	1-1/2"	1/2"	1/2"	"AMERICAN STANDARD" SELECTION BY OWNER
P-4	KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"	"AMERICAN STANDARD" SELECTION BY OWNER

NOTES:
1. SPRINKLER PIPING TO BE CONNECTED TO DOMESTIC WATER SUPPLY. SEE ARCHITECTURAL COVER SHEET FOR REQUIREMENT. MODIFY CW SUPPLY SIZING TO ACCOMODATE SPRINKLER FLOW.
2. EXTEND TRAP PRIMERS TO ALL FLOOR DRAINS.
3. EXTEND SUPPLY TO DISHWASHER AND ICE MAKER AS REQUIRED.



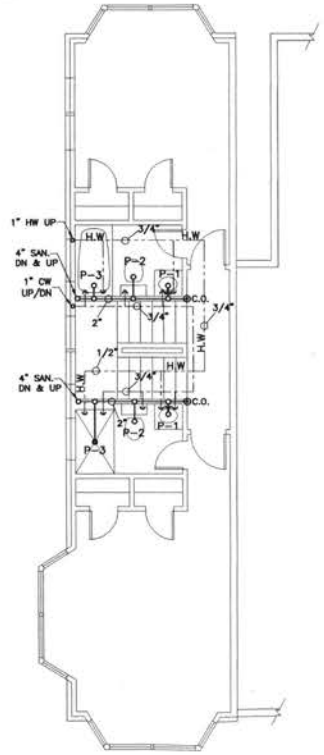
WATER RISER DIAGRAM
N.T.S.

SYMBOL LIST		
SYMBOL	ABB.	DESCRIPTION
		EXISTING PIPE TO REMAIN
	SAN. W.	SANITARY OR WASTE PIPING
	V	VENT PIPING
	ST	UNDER GROUND STORM DRAIN PIPING
	ST	ABOVE GROUND STORM DRAIN
	C.W.	COLD WATER PIPING
	H.W.	HOT WATER PIPING
	G	GAS PIPING
	SP	AUTOMATIC FIRE SPRINKLER PIPING
		INSPECTOR TEST AND DRAIN VALVE
		SHUT OFF VALVE
	W.H.	WALL HYDRANT
		GAS COCK
	BFP	BACK FLOW PREVENTOR
		PIPE UP, PIPE DOWN
	FD	FLOOR DRAIN
	CO	CLEAN OUT
	OS&Y	OUTSIDE SCREW AND YOLK VALVE
		CHECK VALVE WITH AUTOMATIC BALL DRIP
	TS	TAMPER SWITCH
		FLOW ALARM CHECK VALVE
	VTR	VENT THROUGH ROOF
		EXHAUST DUCT UP



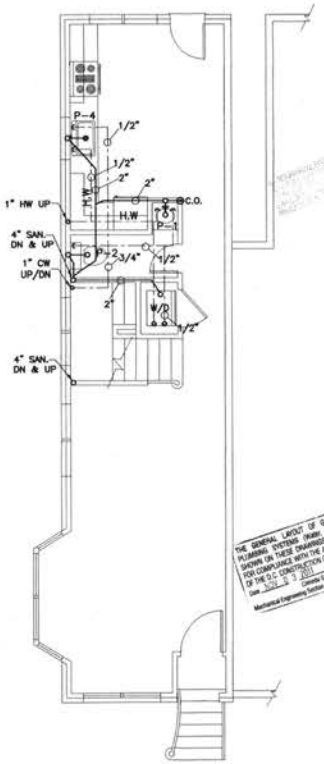
(UNIT-A)

ATTIC PLUMBING PLAN
SCALE: 1/4"=1'-0"



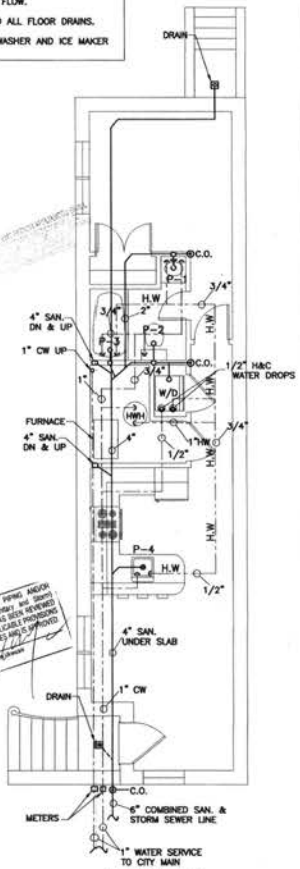
(UNIT-A)

SECOND & THIRD FLOOR PLUMBING PLAN
SCALE: 1/4"=1'-0"



(UNIT-A)

FIRST FLOOR PLUMBING PLAN
SCALE: 1/4"=1'-0"



(UNIT-B)

CELLAR PLUMBING PLAN
SCALE: 1/4"=1'-0"

THE GENERAL LAYOUT OF GAS PIPING AND/OR PLUMBING SYSTEMS (WARM, Sanitary and Storm) SHOWN ON THESE DRAWINGS HAS BEEN REVIEWED FOR COMPLIANCE WITH THE APPLICABLE PROVISIONS OF THE D.C. CONSTRUCTION CODES AND IS APPROVED
Date 12 3 2011
Calandra Gosang/Lakeem
Mechanical Engineering Section

ARCHITECTS
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ARCHITECTS, LLC
19021 SEDLEY TERRACE
GAITHERSBURG, MARYLAND 20879
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E-Mail: rlissabet1@comcast.net

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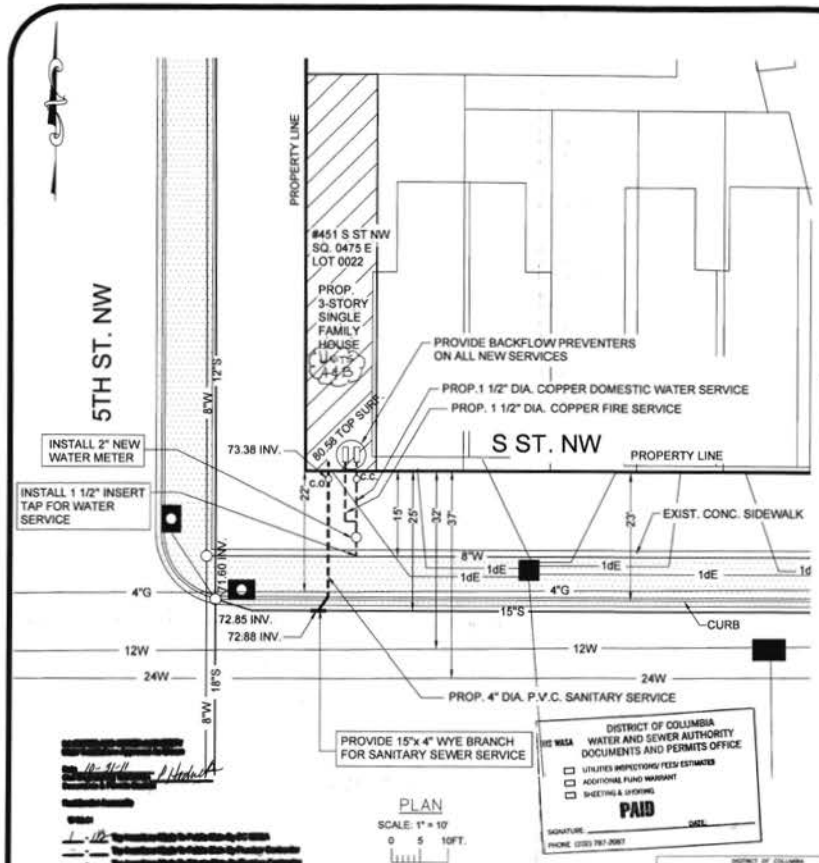
NEW RESIDENCE
451 S STREET N.W.
UNIT-A AND UNIT-B
WASHINGTON, DC 20001
SQUARE E475 LOT 22

Project Number: Drawn By:
Designed By: Checked By:
Sheet Title: PLUMBING PLANS
Sheet Number: P-1



PLAN

SCALE: 1" = 10'

0 5 10FT.

DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY
DOCUMENTS AND PERMITS OFFICE

- UTILITIES INSPECTIONS/ FEES/ ESTIMATES
- ADDITIONAL FUND WARRANT
- SHEETING & LOCKING

PAID

SIGNATURE: DATE:

PHONE (202) 787-2087

DC WATER AND SEWER AUTHORITY
Documents and Permits
5000 Overlook Avenue, SW Washington DC 20032
BACKFLOW PREVENTOR (BPI) APPROVAL
PH (202) 787 2017 FAX (202) 787 2588

	YES	NO	TYPE RPBA/DCVA
BPI			
APPROVED			
PRELIMINARY			
FINAL			

NOTE:
1. OWNER MUST INFORM DCWASA, WATER QUALITY BRANCH (WCB) 202-612-3440 WHEN INSTALLATION IS COMPLETED FOR FINAL APPROVAL.
2. FORWARD TEST RESULTS ANNUALLY TO DCWASA, WQB 301 BRYANT ST.NW, WASHINGTON DC 20001

COMMENTS: Rec'd 1869

APPROVAL: P Hedahl

DATE: 10-31-11

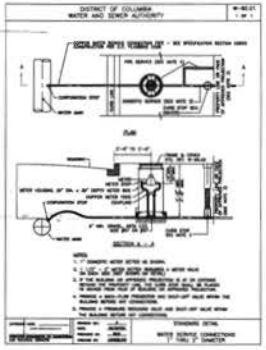
MISS UTILITY

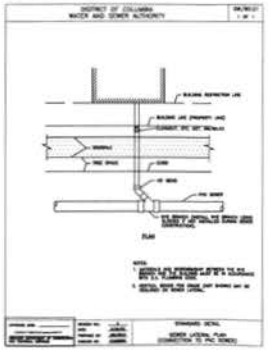
NOTE:
The locations of all utilities shown hereon are from field investigation, visible field evidence, and available records and cannot be guaranteed. Contractor/Engineer should dig test pits by hand at all utility crossings to verify exact locations.
Utility records had not been received from the utility companies at the time of this design.

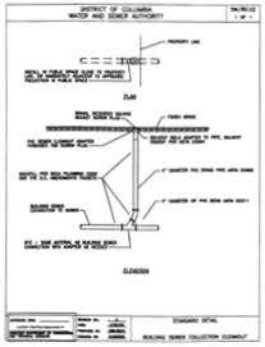
LOCATION MAP

N.T.S.

GOVERNMENT OF THE DISTRICT OF COLUMBIA
LICENSING & PERMITTING
Plan Production Division

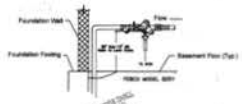






NOTES

- SEWER BENCH MARK to be used for sewer construction.
- WATER BENCH MARK to be used for water construction.
- The location of utilities shown on the plans are based on field survey data and/or record drawings of the original locations. The information shown is not necessarily complete and the location of the utilities shown is approximate. It shall be the responsibility of the Construction Company Owner to verify the existence of all utilities well in advance of conducting construction operations which could damage these facilities. In areas where proposed construction may conflict with existing utilities, the Construction foreman shall take all necessary precautions to avoid damage to existing utilities. If an underground utility is damaged the Construction foreman shall immediately notify his supervisor and the owner of said utility.
- Any damage sustained to utilities above or below ground shall be repaired by or under the direction of the utility owner at the contractors expense. Under no circumstance shall the Construction foreman backfill an excavation affecting said utility without first receiving permission from the utility owner.
- All manholes used in converting sanitary sewage shall have pipe entry seals for all connections 21" and smaller in diameter.
- The construction foreman shall excavate and locate vertically and horizontally all other utility in close proximity to the proposed water and sewer facilies.
- Notify Miss Utility, 1-800-257-7777, 48 hours prior to excavating.
- Extend watermain and sewer to cover proposed water and sewer service.
- All 12" and smaller diameter water main, fittings, including valves and fire hydrants, to be installed using iron retainer glands as follower rings instead of standard follower rings for restraint.
- Water main to be constructed with a nominal cover of 4' below existing curb grade.



DCWASA requires that these general notes must be on the all contract drawings: (a) Notify DCWASA one week prior to start of construction, Utility Inspection Section at 202-787-2277, Water services 202-612-3440 of 3/4IN and Sewer Services 202-264-2324 of 10IN. (b) Developers, contractors and plumbers must submit final construction As-built information to the appropriate DCWASA inspector(s) for review and approval, upon completion of new and existing utilities to be identice in public space, applicant must submit these drawings. As-built drawings must show dimension, elevation, relocation of any WASA utilities and pertinent information. (c) Once the WASA inspector approves the as-built, a copy must be submitted to the Documents and Permits office at room 203 and the Water and Sewer Design section at 5000 Overlook Ave., S.W., 3rd Floor.

DCWASA requires that this general note must be on the all contract drawings: Under DCWASA customer fees and charges, contractors, plumbers, owners are responsible for excavation, backfilling, repairing and restoration of public space for street and sidewalk cuts, for new utilities, connections, and taps. Generally, abandonments of services must be performed by the contractor, or the owner or owner fee within public space and required under DC WASA inspection. DC WASA is not responsible for final restoration of street and sidewalk cuts performed by the contractor or developer.

LEGEND

Existing	Proposed
Water main	Ductile Iron Water Main
Sewer	Polyvinyl Chloride (PVC)
Gas	Sewer Manhole
Fire Hydrant	4" Plug with 2" Blow off
Utility pole	Property Appurtenances
Building line	
Chain Link Fence	
Tree	

General Notes

No.	Revision/Issue	Date

Firm Name and Address

STREET PERMITS
PROMPT & RELIABLE
PH. 202-232-5107 FAX 202-232-5108

Project Name and Address

NEW WATER AND SEWER SERVICE FOR #451 S ST. NW

Project	S. ST. NW
Date	OCTOBER 28, 2011
Scale	AS SHOWN
Sheet	WS-1

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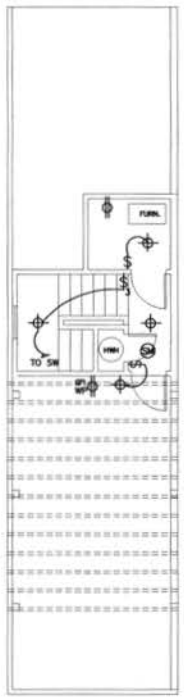
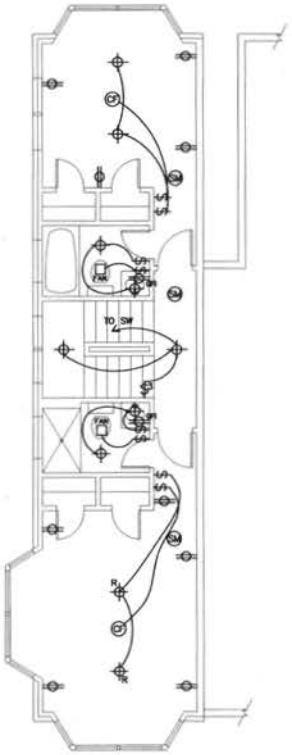
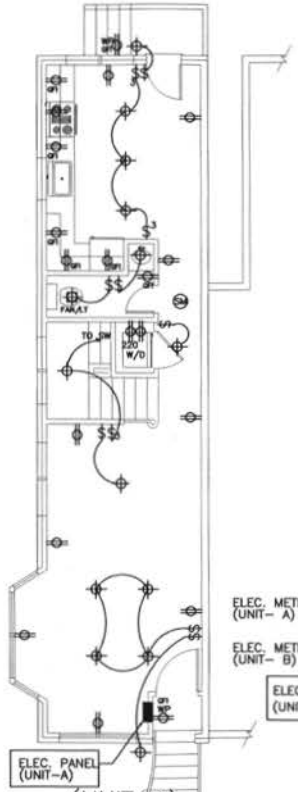


ATTIC
ELECTRICAL PLAN
SCALE: 1/4"=1'-0"



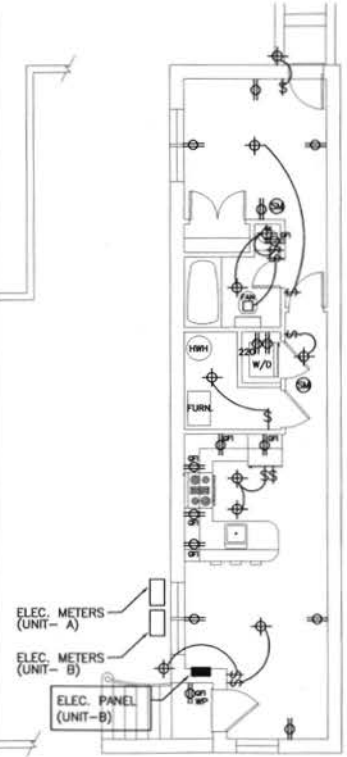
(UNIT–A)

SECOND & THIRD FLOOR
ELECTRICAL PLAN
SCALE: 1/4"=1'-0"



(UNIT–A)

FIRST FLOOR
ELECTRICAL PLAN
SCALE: 1/4"=1'-0"



(UNIT–B)

CELLAR
ELECTRICAL PLAN
SCALE: 1/4"=1'-0"

ELECTRICAL/LIGHTING LEGEND

- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- WEATHERPROOF LIGHT FIXTURE
- DOOR BELL
- FAN
- FAN & LIGHT FIXTURE
- SINGLE POLE SWITCH
- THREE WAY SWITCH
- DIMMER SWITCH
- DUPLEX RECEPTICLE
- SPECIAL OUTLET 220 VOLTS
- DUPLEX RECEPTICLE – GFI
- WEATHERPROOF RECEPTICLE
- SMOKE DETECTOR
- CEILING FAN
- ELECTRICAL PANEL

ARCHITECTS
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SQUARE E475 LOT 22

Project Number: Drawn By:
Designed By: Checked By:
Sheet Title: ELECTRICAL PLANS
Sheet Number: E–1

TYP. PANEL SCHEDULE & CALCULATION

PANEL TYPICAL 120/240 VOLTS 1 PHASE, 3 WIRE, 200 AMPS
SOLID NEUTRAL: YES NEMA TYPE 1, 100 (MCB/MCS/MLO)
GROUND BUS: YES A.I.C. SYM 14K BKR. FRAME 100
LOCATION LIVING ROOM MOUNTING RECESSED

DESCRIPTION	C.B.-AMPS P	TRIP	NO.	A KW		B KW		C.B.-AMPS NO.	TRIP	P	DESCRIPTION
LIGHTING	1	20	1	1.5	1.6			2	20	1	RECEPTACLES
LIGHTING	1	20	3			1.5	1.4	4	20	1	RECEPTACLES
REFRIGERATOR	1	20	5	.3	1.4			6	20	1	RECEPTACLES
DISHWASHER	1	20	7			.3	1.4	8	20	1	RECEPTACLES
GARBAGE DISPOSAL	1	20	9	.4	1.4			10	20	1	RECEPTACLES
RANGE - GAS	1	20	11			.18	.18	12	20	1	WATER HEATER-ELEC.
MICROWAVE	1	20	13	1.4	.8			14	20	1	WASHER
EH-1	1	20	15			1.0	1.0	16	20	2	DRYER
AC UNIT	2	40	17	6.0	1.0			18			
			19			6.0	---	20	20	1	SPARE
SPARE	1	20	21	---	.4			22	20	1	BATHROOM RECEPT.
SPARE	1	20	23			---	---	24	20	1	SPARE
SPARE	1	20	25	---	---			26	20	1	SPARE
SPACE			27			---	---	28			SPACE
SPACE			29	---	---			30			SPACE
				16.00		12.96					

*VERIFY AIC RATINGS WITH UTILITY
*MANUFACTURER SHALL BE SQUARE D TYPE NQOD PANEL W/ QOB BREAKERS

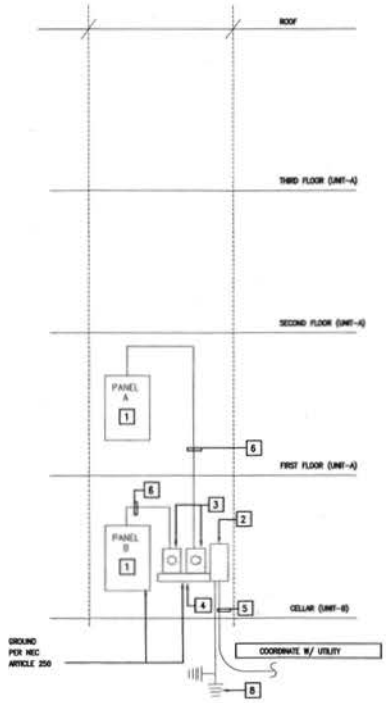
TOTAL KW = 28.96
CONNECTED LOAD= 119.00 AMPS
REFER TO CALCULATIONS BELOW

PROVIDE CIRCUIT BREAKERS PER NEC 210-12 (ARC-FAULT CKT.-INTERRUPTER)

LOAD CALCULATIONS (TYPICAL OF EACH UNIT)

	CONNECTED	DIVERSITY	DEMAND
LIGHTING AND RECEPTACLES (SECTION 220-3(B)) - 3VA/SF) (SECTION 220-11)	6.8 kVA	1ST 3kVA @ 100% REMAINING @ 35%	3.0 kVA 1.3 kVA
FIXED APPLIANCES			
RANGE	.18 kVA	100%	.18 kVA
REFRIGERATOR	.3 kVA	100%	.3 kVA
WASHER/DRYER	2.8 kVA	100%	2.8 kVA
OTHER			
HVAC	8.4 kVA	100%	8.4 kVA
WATER HEATER	.18 kVA	100%	.18 kVA
SUBTOTAL	18.46 kVA		18.16 kVA
TOTAL LOAD AFTER DIVERSITY			= 67.33 AMPS
PLUS 25% OF LOAD			= 16.8 AMPS
TOTAL LOAD AFTER CALCULATIONS			= 84.13 AMPS
SIZE OF PANELBOARD			= 100 AMPS

ELECTRICAL RISER



POWER RISER DIAGRAM

NOT TO SCALE

KEYED NOTES

1. PROVIDE A 200A, 240/120V, 1Ø, 3W PANELBOARD.
2. UTILITY C/T CABINET - COORDINATE EXACT REQUIREMENTS WITH UTILITY
3. ELECTRICAL UTILITY METER, COORDINATE EXACT REQUIREMENTS WITH THE UTILITY 100A, 1Ø,3W, 120/240V
4. WIRE TROUGH SIZED PER NEC AND COORDINATE W/ UTILITY.
5. NEW INCOMING ELECTRICAL SERVICE BY PEPCO. COORDINATE OVERHEAD OR UNDERGROUND ROUTING OF THE FEEDER WITH THE UTILITY.
6. 3Ø1+1Ø0 IN 1-1/2" CONDUIT
7. PROVIDE A #1/0 CU GND PER NEC AND LOCAL CODE REQUIREMENTS.
8. #4 GND TO DRIVEN GROUND ROD (8'-0" LONG) AND TO STREET SIDE OF COLD WATER MAIN AS PER NEC AND LOCAL CODE REQUIREMENTS

ELECTRICAL SYMBOLS

GENERAL

- BRANCH CIRCUIT WIRING CONCEALED IN CEILING OR WALL
- BRANCH CIRCUIT WIRING OR DUCTBANK CONCEALED IN FLOOR/CEILING BELOW
- HC-1,3,5 HOMERUN TO PANELBOARD NOTED. ARROWS INDICATES NO. OF CIRCUITS. NO. OF CROSS LINES DENOTES NO. OF WIRE WHEN MORE THAN THREE (HOT, NEUTRAL AND GROUND CONDUCTOR).
- UNDERGROUND DUCTBANK. SIZE AS NOTED.
- WIRE OR CONDUIT TO BE TERMINATED AS NOTED.
- CONDUIT TURNED UP.
- CONDUIT TURNED DOWN.
- 1 REFERENCE NOTE NUMBER.

POWER AND SIGNAL

- 120/240V PANELBOARD.
- DUPLEX RECEPTACLE - NEMA 5-20R.
- QUADRUPLEX RECEPTACLE - NEMA 5-20R.
- GFI DUPLEX RECEPTACLE - NEMA 5-20R LETTERS "GFI" INDICATE GROUND FAULT CIRCUIT INTERRUPTER.
- WP DUPLEX RECEPTACLE - NEMA 5-20R LETTERS "WP" INDICATE WEATHERPROOF ENCLOSURE.
- SPECIAL RECEPTACLE - NEMA CONFIGURATION AS INDICATED.
- TELEPHONE OUTLET WITH 3/4" CONDUIT
- COMBINATION TELEPHONE/DATA/CATV OUTLET WITH 3/4" CONDUIT
- CATV OUTLET, WITH 3/4" CONDUIT
- JUNCTION BOX - WALL OR CEILING MOUNTED.
- PULLBOX.
- 3/30 SAFETY SWITCH - SIZE AS INDICATED.
- 3/30/12 FUSED SAFETY SWITCH - SIZE AS INDICATED. (POLES/SWITCH SIZE/FUSE SIZE)
- MOTOR - NUMBER INDICATES HORSEPOWER.
- COMBINATION MOTOR STARTER & DISCONNECT SWITCH - SIZE AS INDICATED.
- GROUND CONNECTION.

LIGHTING

- 4', 3' & 2' FLUORESCENT STRIP LIGHTING FIXTURE.
- WALL MOUNTED LIGHTING FIXTURE.
- FLUORESCENT LIGHTING FIXTURE.
- SURFACE MOUNTED H.I.D. FIXTURE.
- PENDANT OR SURFACE MOUNTED DOWNLIGHT. (SYMBOLS ARE NOT SHOWN AS SCALED ON PLANS)
- RECESSED MOUNTED DOWNLIGHT.
- S SINGLE POLE SWITCH, 20A, 120V.
- S_3 THREE WAY SWITCH.
- S_D DIMMER SWITCH

FIRE ALARM

- SD INDIVIDUAL RESIDENTIAL HARD WIRED SMOKE DETECTORE DETECTOR W/ BATERY BACK-UP

NOTE: THE LIST OF SYMBOLS IS A TYPICAL LIST AND MAY NOT APPLY TO ALL PROJECTS

ELECTRICAL SCOPE OF WORK

THE ELECTRICAL SCOPE OF WORK ENCOMPASSES THE DESIGN OF A NEW POWER DISTRIBUTION SYSTEM FOR THE 2 UNITS, NEW POWER OUTLET DESIGN AND A NEW LIGHTING DESIGN TO ACCOMODATE THE USE OF THE BUILDING.

ELECTRICAL SPECIFICATIONS

A. THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM TO THE LATEST APPLICATION EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL JURISDICTION REQUIREMENTS.

B. ALL CIRCUITRY, EQUIPMENT, DEVICES, ETC., SHALL BE NEW, AND UL LISTED. PROVIDE ALL MATERIALS, BRACING, HANGERS AND EQUIPMENT AS REQUIRED TO PROVIDE A COMPLETE OPERATIONAL ELECTRICAL SYSTEM. MINOR ITEMS SUCH AS COUPLINGS, FITTINGS, BRACKETS, HANGERS, ETC. NOT NECESSARILY SHOWN OR SPECIFIED BUT REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL SYSTEM AND EQUIPMENT SHALL BE INCLUDED IN THE WORK AS IF HEREIN SHOWN OR SPECIFIED.

C. LIGHTING FIXTURES

1. COORDINATE RECESSED LIGHTING FIXTURES WITH SPRINKLERS, MECHANICAL EQUIPMENT AND ARCHITECTURAL CEILING PLAN. GRID LAYOUT ON PLANS IS APPROXIMATE, ADJUST AND COORDINATE LIGHTING FIXTURES IN FIELD PER ARCHITECT'S REFLECTED CEILING PLAN.
2. PROVIDE FINISHED FRAMES FOR ALL RECESSED LIGHTING FIXTURES. TYPE SHALL BE COMPATIBLE WITH CEILING. COORDINATE ALL FIXTURE TYPES WITH CEILING SYSTEM BEFORE ORDERING FIXTURES. CONFIRM THAT ALL LIGHT FIXTURES WILL FIT IN LOCATIONS AND SPACES DESIGNATED AND SHALL NOTIFY ARCHITECT PRIOR TO PLACING ORDER IF CONFLICTS ARE DISCOVERED. PROVIDE ALL MOUNTING ATTACHMENTS FOR A COMPLETE INSTALLATION. LIGHTING FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE INDEPENDENTLY FROM CEILING SYSTEM. FOR STEM MOUNTED FIXTURE CONTRACTOR SHALL PROVIDE TWO STEMS PER FIXTURE.

D. BRANCH CIRCUITRY

1. ALL CONDUCTORS SHALL BE COPPER.
2. ALL BRANCH CIRCUITRY SHALL BE INSTALLED IN GALVANIZED EMT USING #12 AWG MINIMUM COPPER CONDUCTORS.
3. ALL CIRCUITRY SHALL BE RUN CONCEALED IN FINISHED AREAS.
4. MINIMUM SIZE CONDUIT SHALL BE 3/4 INCH (21 DIA).
5. ALL RECEPTACLES, LIGHTING FIXTURES, MOTORS, ETC., SHALL BE GROUNDED PER N.E.C. ALL RECEPTACLE CIRCUITS SHALL CONTAIN A #12 INSULATED GROUND CONDUCTOR.
6. FINAL CONNECTION TO ALL MOTORS OR VIBRATING EQUIPMENT SHALL BE WITH FLEXIBLE CONDUIT.
7. EXPOSED AND CONCEALED CIRCUITRY SHALL BE RUN TIGHT TO CEILING SLAB IN A NEAT WORKMANLIKE MANNER. ALL RUNS SHALL BE PARALLEL OR PERPENDICULAR TO BUILDING WALLS AND SECURED TO BUILDING STRUCTURE AND WALL ONLY.
8. ALL HOMERUNS WHICH ARE OVER 100 LINEAR FEET SHALL BE A MINIMUM OF #10 CONDUCTORS OR AS SHOWN ON THE PLANS.

E. FIRE ALARM WORK

1. CONTRACTOR SHALL HARD WIRE ALL SMOKE DETECTORS TO A 20A CIRCUIT BRAKER LOCATED IN THE NEW PANELBOARD.

F. EXECUTION

1. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. ANY CONFLICT BETWEEN MANUFACTURERS RECOMMENDATIONS AND THE CONTRACT DRAWINGS AND SPECIFICATIONS SHALL PROMPTLY BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER.
2. CONTRACTOR SHALL GUARANTEE ALL LABOR AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF WORK BY THE PROJECT OFFICER.
3. AT THE COMPLETION OF INSTALLATION, ALL EQUIPMENT SHALL BE TESTED AND ADJUSTED AS NECESSARY. ANY DEFECTS, MALFUNCTIONS AND ABNORMAL EQUIPMENT VIBRATIONS SHALL BE REPAIRED AT CONTRACTORS COST TO THE SATISFACTION OF THE PROJECT ENGINEER.
4. CONTRACTOR SHALL FURNISH TO THE OWNER TWO COMPLETE BOUND SETS OF TYPEWRITTEN OR BLUEPRINTED INSTRUCTIONS FOR OPERATING AND MAINTAINING ALL SYSTEMS AND EQUIPMENT INCLUDED IN THIS CONTRACT.
5. CONTRACTOR SHALL SUBMIT FOR APPROVAL, DETAILED SHOP DRAWINGS OF ALL ELECTRICAL EQUIPMENT AND MATERIAL. SHOP DRAWINGS SHALL INCLUDE EQUIPMENT CAPACITIES AND ANY RELATED INFORMATION TO ENABLE THE ENGINEER TO INSURE COMPLIANCE WITH SPECIFICATIONS AND DRAWINGS. NO MATERIAL OR EQUIPMENT MAY BE ORDERED OR DELIVERED TO THE JOB SITE UNTIL THE CONTRACTOR HAS IN HIS POSSESSION THE APPROVED SHOP DRAWINGS FOR THE PARTICULAR MATERIAL OR EQUIPMENT.

G. IN THE EVENT OF CONFLICT BETWEEN VARIOUS PARTS OF THE CONTRACT DOCUMENT INCLUDING BUT NOT LIMITED TO DRAWINGS, SPECS AND GENERAL CONDITIONS THE MORE STRINGENT (MORE COSTLY) OF THE CONDITIONS SHALL APPLY FOR BIDDING PURPOSES. CONTRACTOR SHALL REQUEST CLARIFICATION OF ALL CONFLICTS PRIOR TO CONSTRUCTION.

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No.	Date	Revisions Description
1	10/31/11	DCRA REVIEW COMMENTS
2		

NEW RESIDENCE
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SQUARE E475 LOT 22

Project Number: Drawn By:
Designed By: Checked By:
Sheet Title: ELECTRICAL NOTES SCHEDULES
Sheet Number: E-2