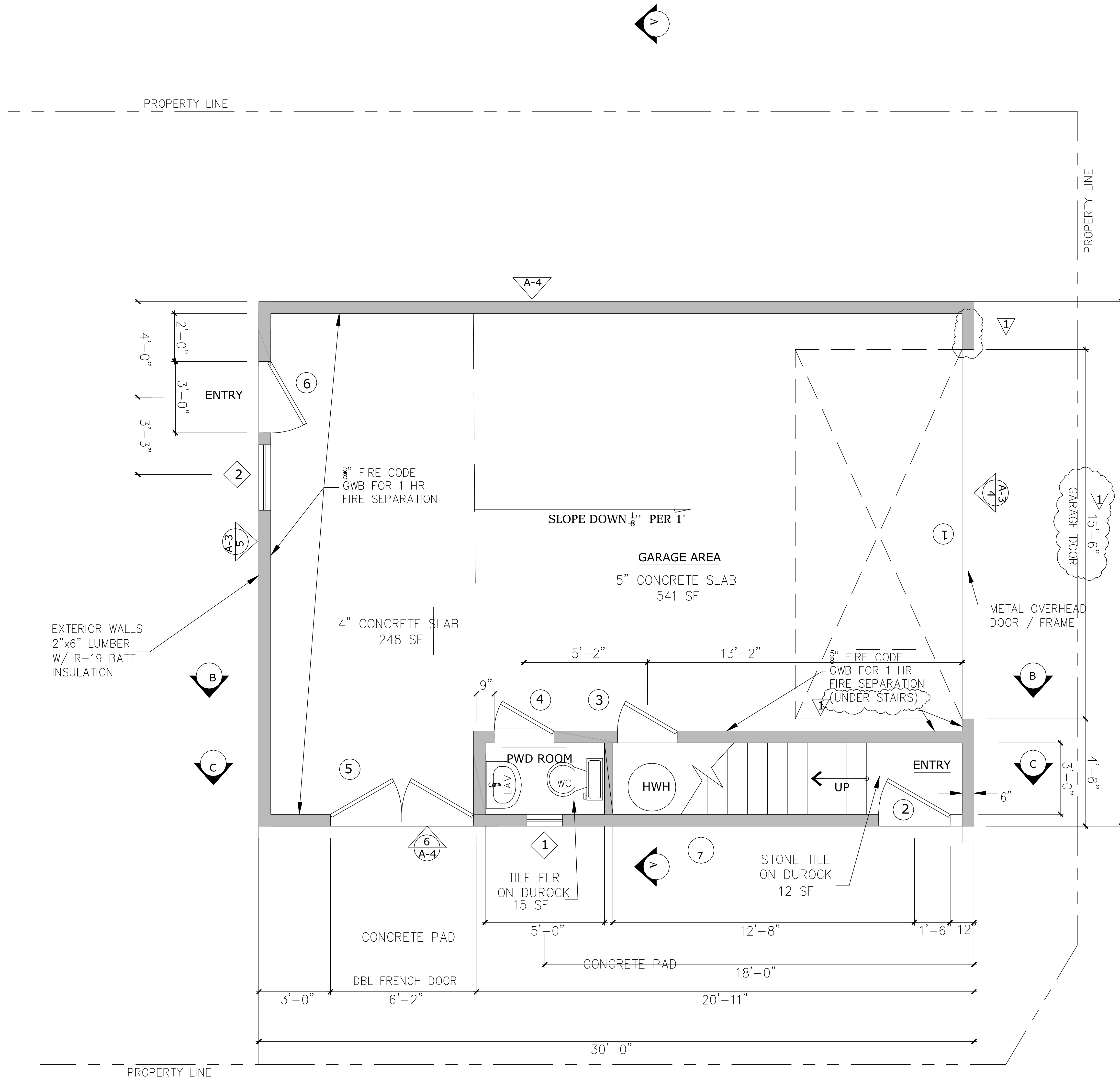


GENERAL ARCHITECTURAL NOTES

- 1 - SEE SHEET SP-1 TO SP-3 FOR GENERAL NOTES REGARDING CONSTRUCTION.
- 2 - CONTRACTOR IS RESPONSIBLE FOR SURVEYING ALL EXISTING CONDITIONS AND ALL RECORD DRAWINGS AND SHOULD NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND THE EXISTING CONDITIONS.
- 3 - ALL DIMENSIONS ARE SHOWN FROM FINISHED FACE OF GWB U.N.O. ALL CMU AND BRICK DIMENSIONS ARE SHOWN AS NOMINAL.



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

DOOR SCHEDULE

NR	TYPE	SIZE	GLAZING	MANUF	MISC.	U VALUES	SHGC
FIRST FLR							
1	EXTERIOR	16-0X6-8	INSULATED	LOCK		< .30	0.23
2	EXTERIOR	3-0X6-8				< .30	0.23
3	INTERIOR - MECH AREA	2-6X6-8					
4	INTERIOR - PWD RM	2-6X6-8		LOCK			
5	EXTERIOR - DBL	2-3-0X6-8	TEMPERED	LOCK	FRENCH	< .30	0.23
6	EXTERIOR	3-0X6-8	TEMPERED	LOCK		< .30	0.23
SECOND FLR							
7	INTERIOR - CLOSET	2-6X6-8					
8	INTERIOR - W/D CLST	2-6X6-8					
9	INTERIOR - BATH	2-6 X6-8		LOCK			
10	INTERIOR-DBL POCKET	2-2-6X6-8		LOCK	POCKET		
11	INTERIOR-DBL CLOSET	2-2-6X6-8					

WINDOW SCHEDULE

NR	TYPE	SIZE	GLAZING	MANUF	MISC.	U VALUES	SHGC
FIRST FLR							
1	DBL HUNG	18"X40"	INSULATED			< .30	0.23
2	CASEMENT	33"X53.5"	INSULATED			< .30	0.23
SECOND FLR							
3	DBL HUNG	23.5"X53.5"	TEMPERED			< .30	0.23
4	FIXED	71.5"X53.5"	INSULATED			< .30	0.23
5	CASEMENT	40"X71"	INSULATED			< .30	0.23
6	CASEMENT	60"X72"	TEMPERED		OPERATABLE (57.4SF)	< .30	0.23
7	DBL HUNG	48.5"X60"	INSULATED			< .30	0.23

4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016

Owners:
Nick Alten

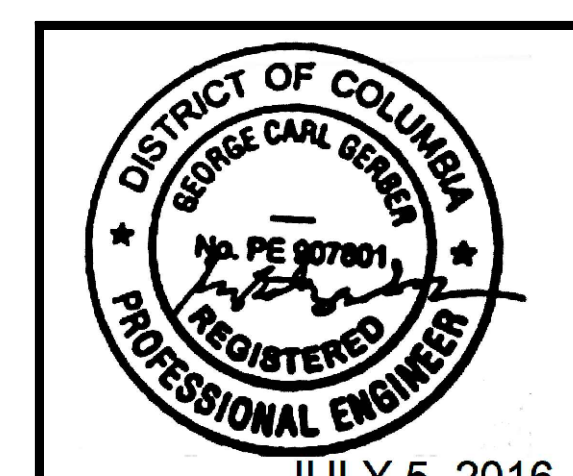
Engineer:
Better Space
LLC
4511
Chesapeake St
NW
Washington
DC

REVISIONS	ITEM	DATE	DESCRIPTION
	A	6-30-2016	PER COMMENTS

sheet name:

1ST FLOOR

A0001



JULY 5, 2016

GENERAL ARCHITECTURAL NOTES

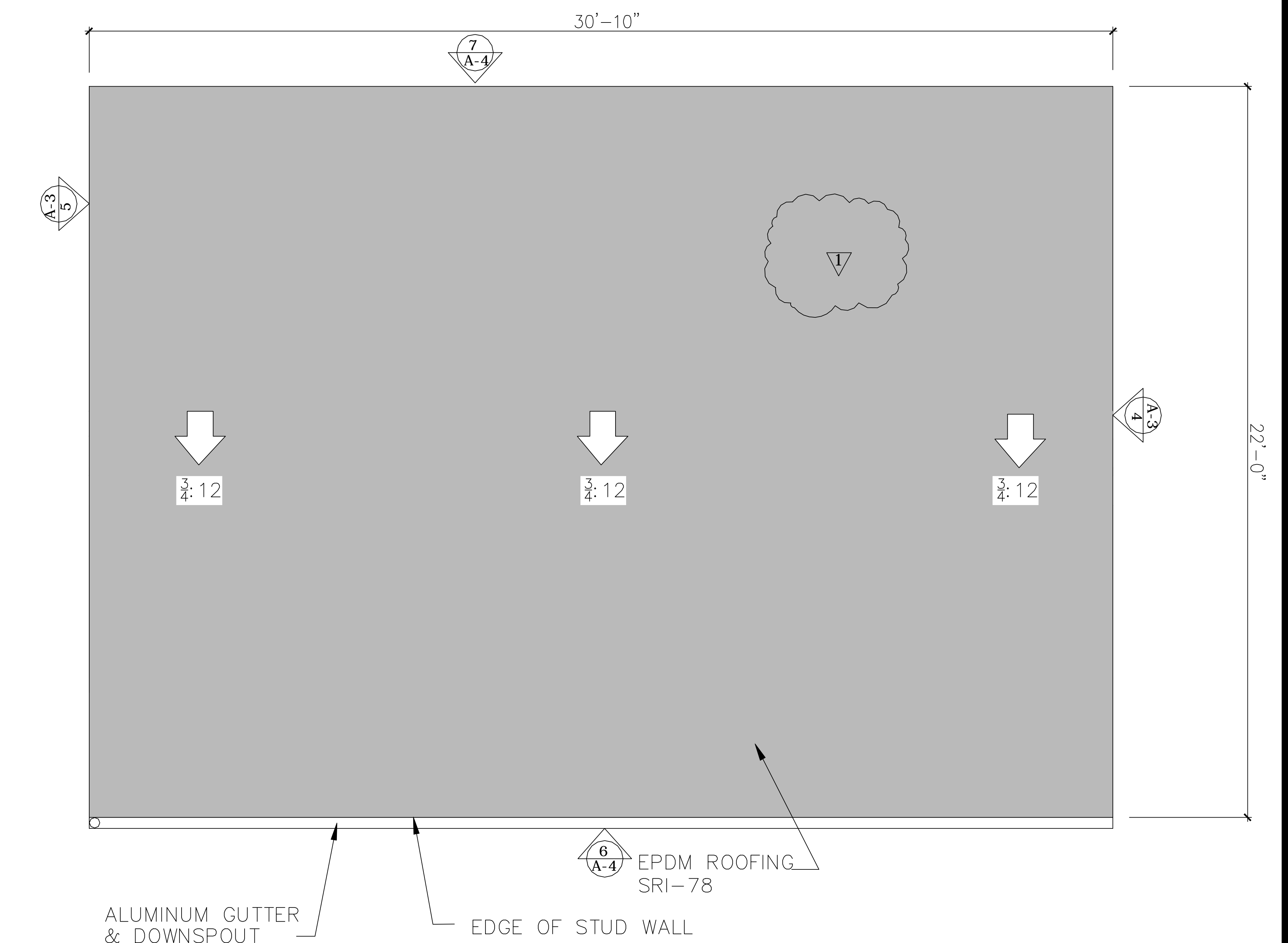
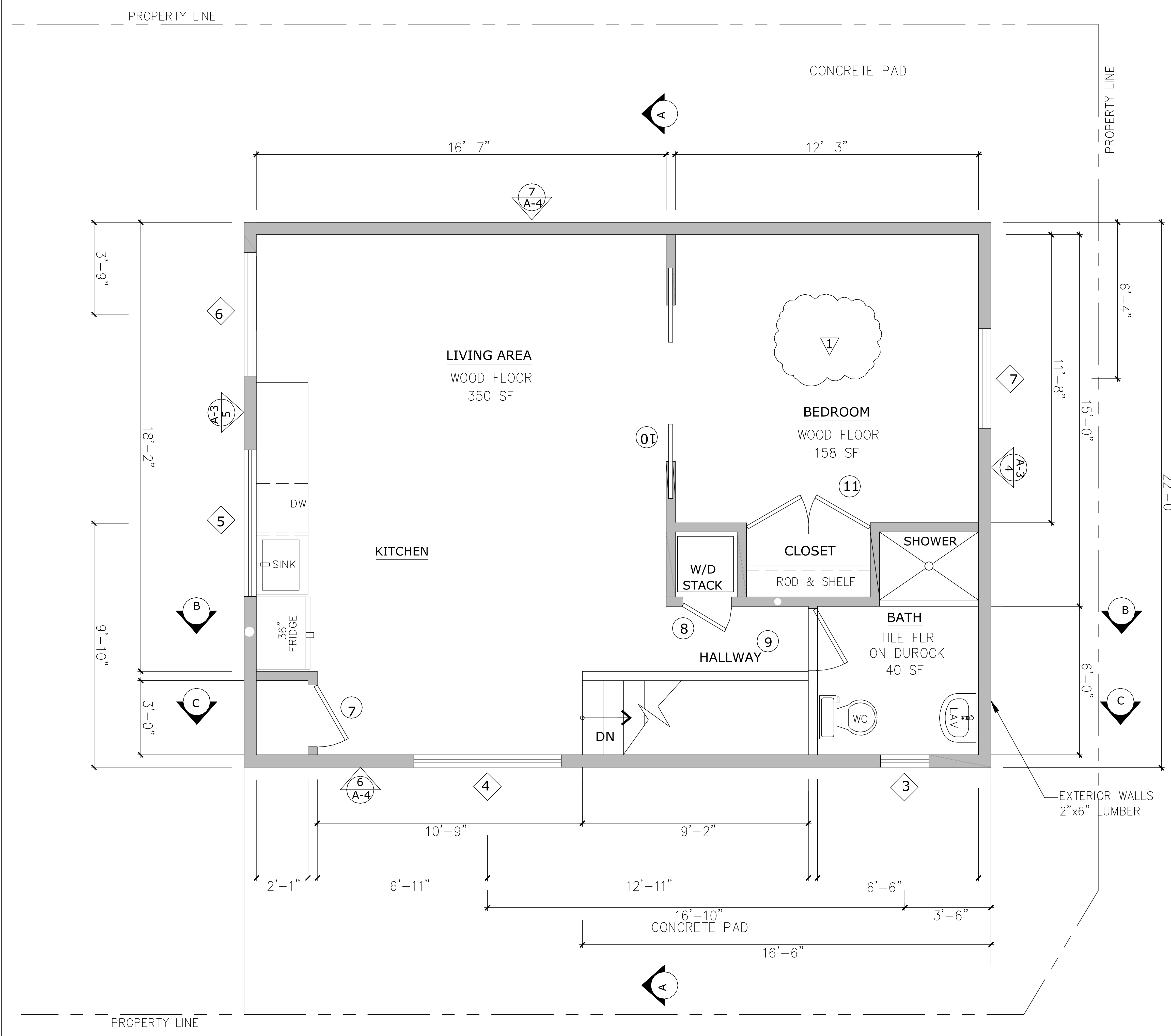
- 1 - SEE SHEET SP-1 TO SP-3 FOR GENERAL NOTES REGARDING CONSTRUCTION.
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DOOR SCHEDULE

NR	TYPE	SIZE	GLAZING	MANUF	MISC.	U VALUES	SHGC
FIRST FLR							
1	EXTERIOR	2-6X6-8	INSULATED	LOCK		< .30	0.23
2	EXTERIOR	3-0X6-8					
3	INTERIOR - MECH AREA	2-6X6-8					
4	INTERIOR - PWD RM	2-6X6-8		LOCK			
5	EXTERIOR - DBL	2-3-0X6-8	TEMPERED	LOCK	FRENCH	< .30	0.23
6	EXTERIOR	3-0X6-8	TEMPERED	LOCK		< .30	0.23
SECOND FLR							
7	INTERIOR - CLOSET	2-6X6-8					
8	INTERIOR - W/D CLST	2-6X6-8					
9	INTERIOR - BATH	2-6 X6-8		LOCK			
10	INTERIOR-DBL POCKET	2-2-6X6-8		LOCK	POCKET		
11	INTERIOR-DBL CLOSET	2-2-6X6-8					

WINDOW SCHEDULE

NR	TYPE	SIZE	GLAZING	MANUF	MISC.	U VALUES	SHGC
FIRST FLR							
1	DBL HUNG	18"X40"	INSULATED			< .30	0.23
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SECOND FLR							
3	DBL HUNG	23.5"X53.5"	TEMPERED			< .30	0.23
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7	DBL HUNG	48.5"X60"	INSULATED			< .30	0.23



EPDM ROOF SYSTEM
SRI 78 ON ROOFING FELT W/ ICE & WATER SHIELD AS SHOWN ON ROOF PLAN. INSTALL PER MANUFACTURER'S RECOMENDATION

4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016

Owners:
Nick Alten

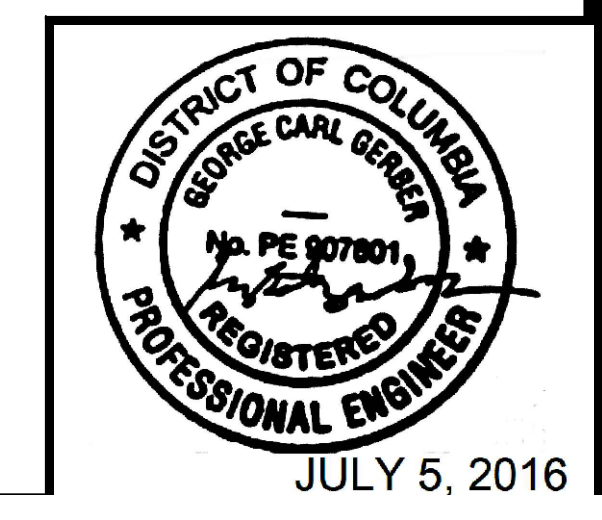
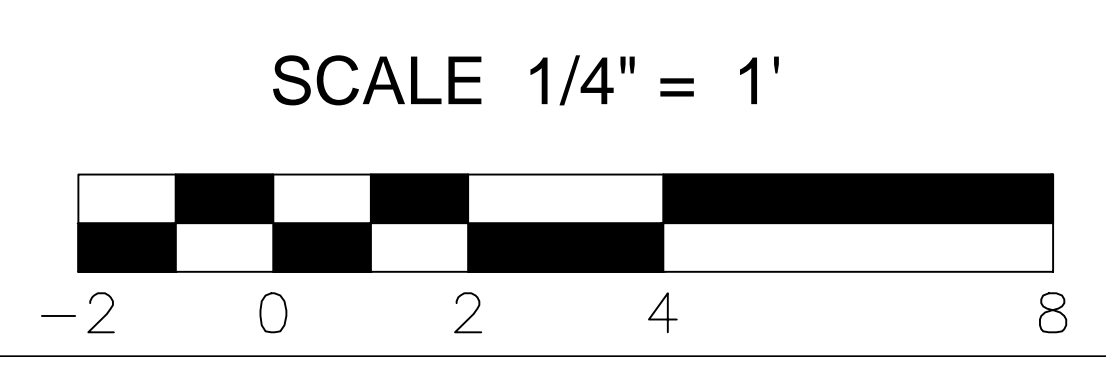
Engineer:
Better Space LLC
4511 Chesapeake St NW
Washington DC

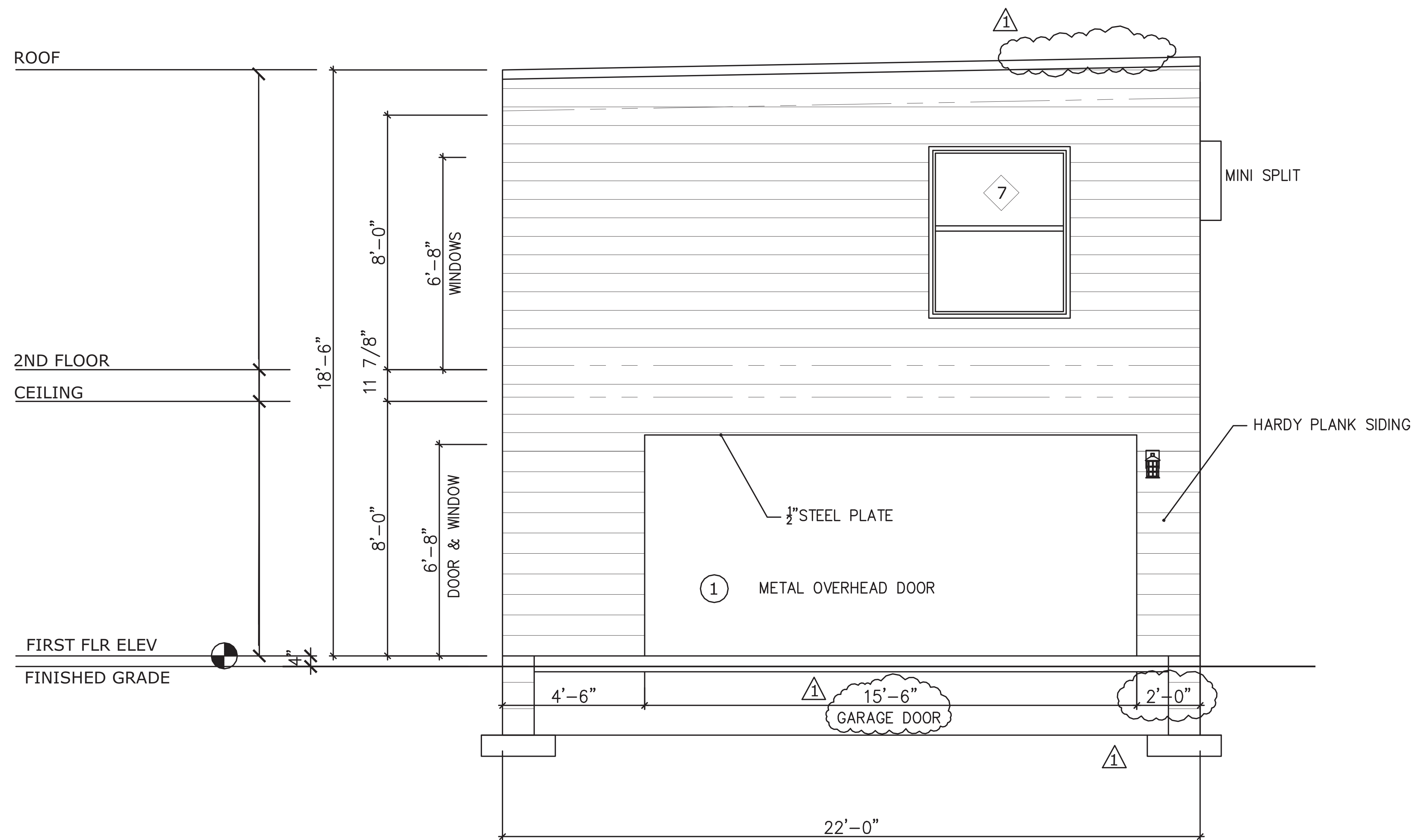
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	A	6-30-2016	PER COMMENTS

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2ND FLOOR

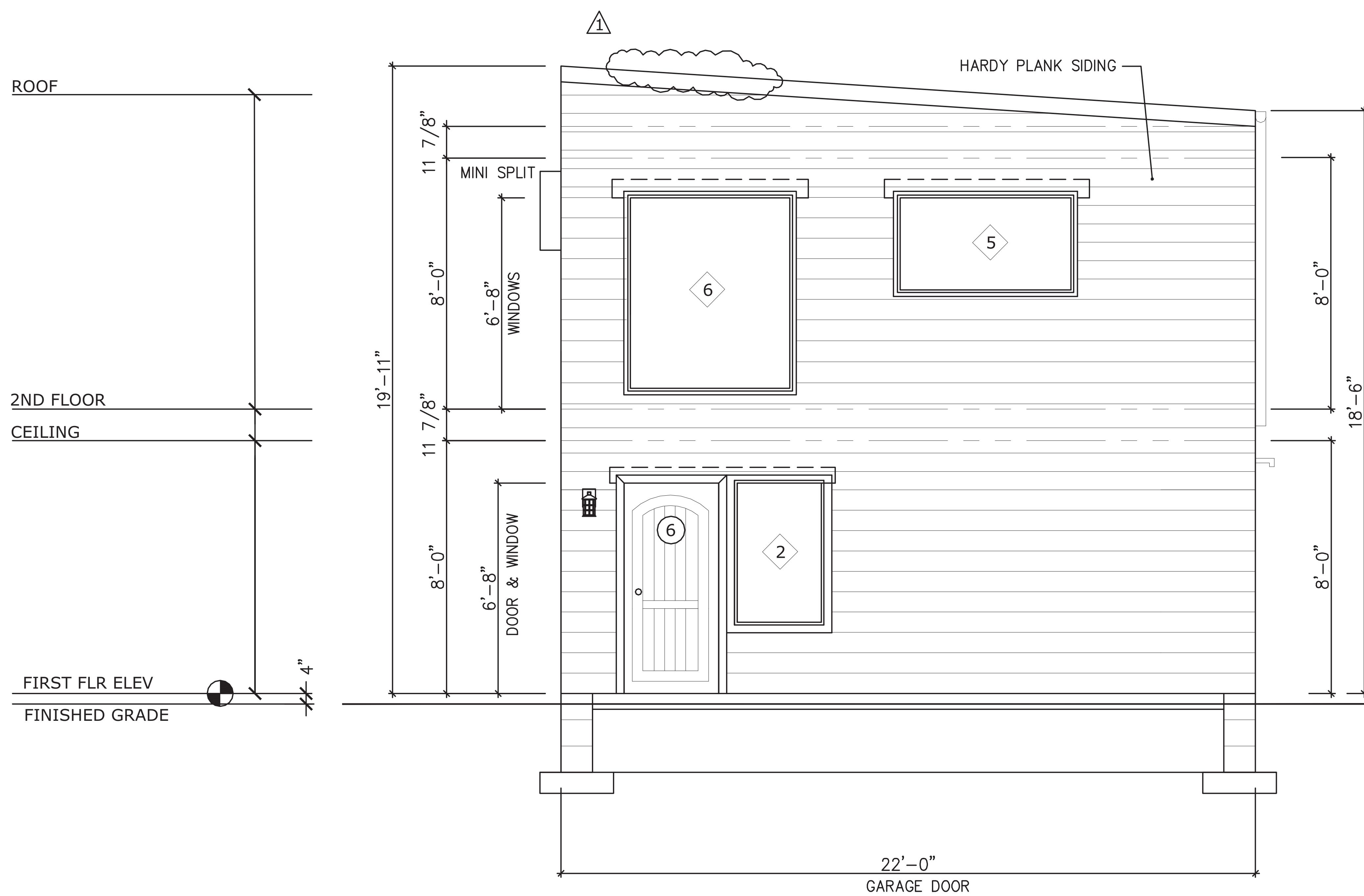
A0002

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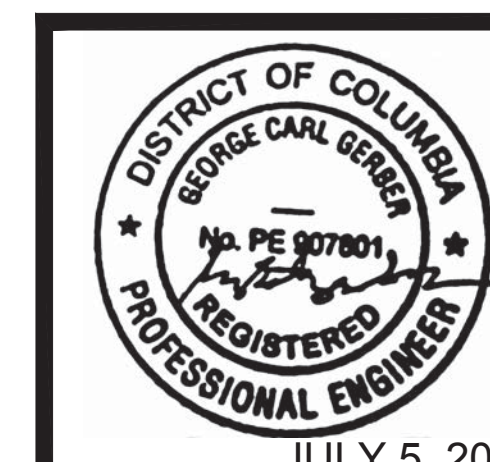




4 NORTH ELEVATION
SCALE: 1/2"=1-0"



5 SOUTH ELEVATION
SCALE: 1/2"=1-0"



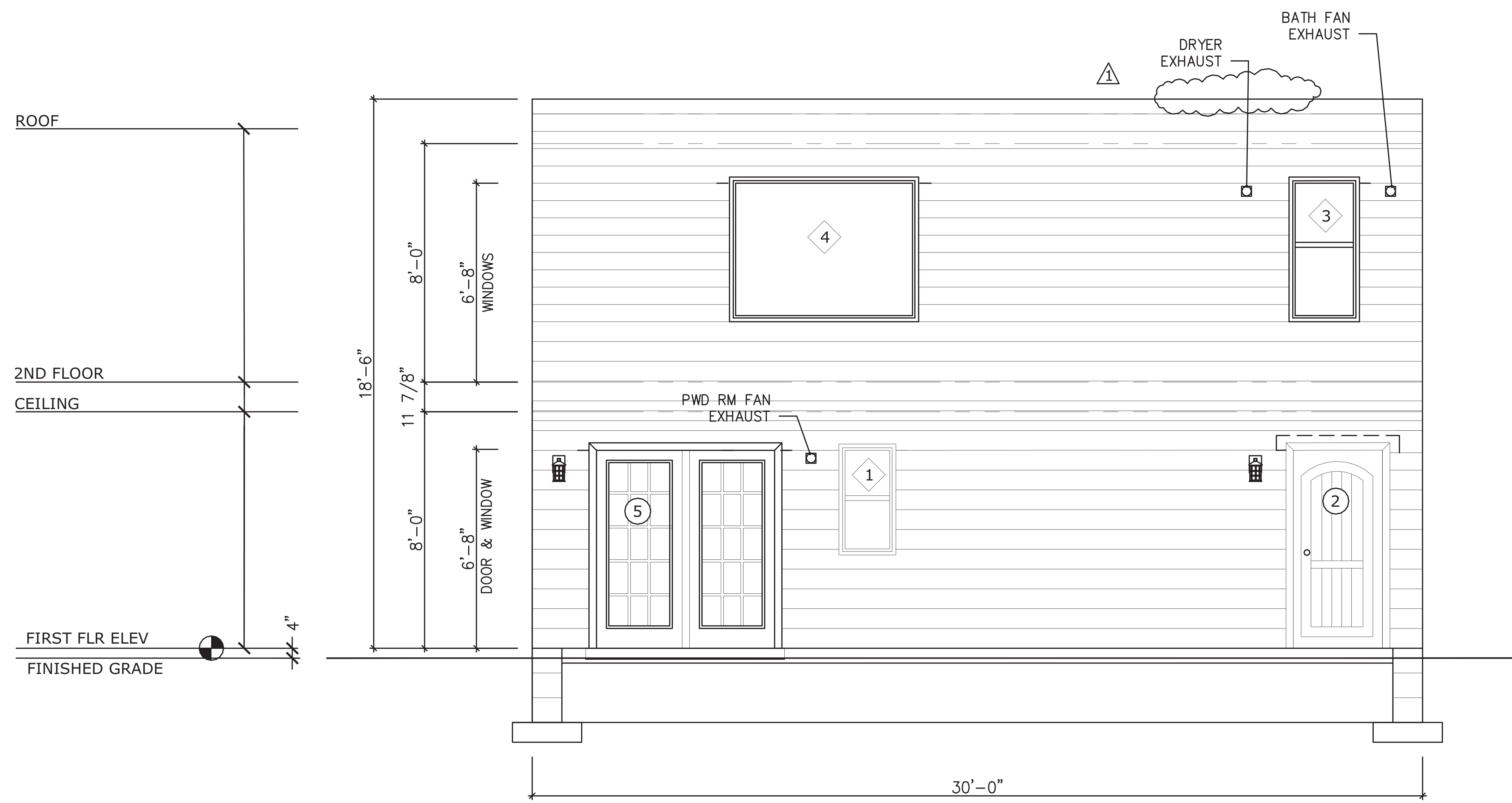
4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016

Owners:
Nick Alten
Engineer:
Better Space
LLC
4511
Chesapeake St
NW
Washington
DC

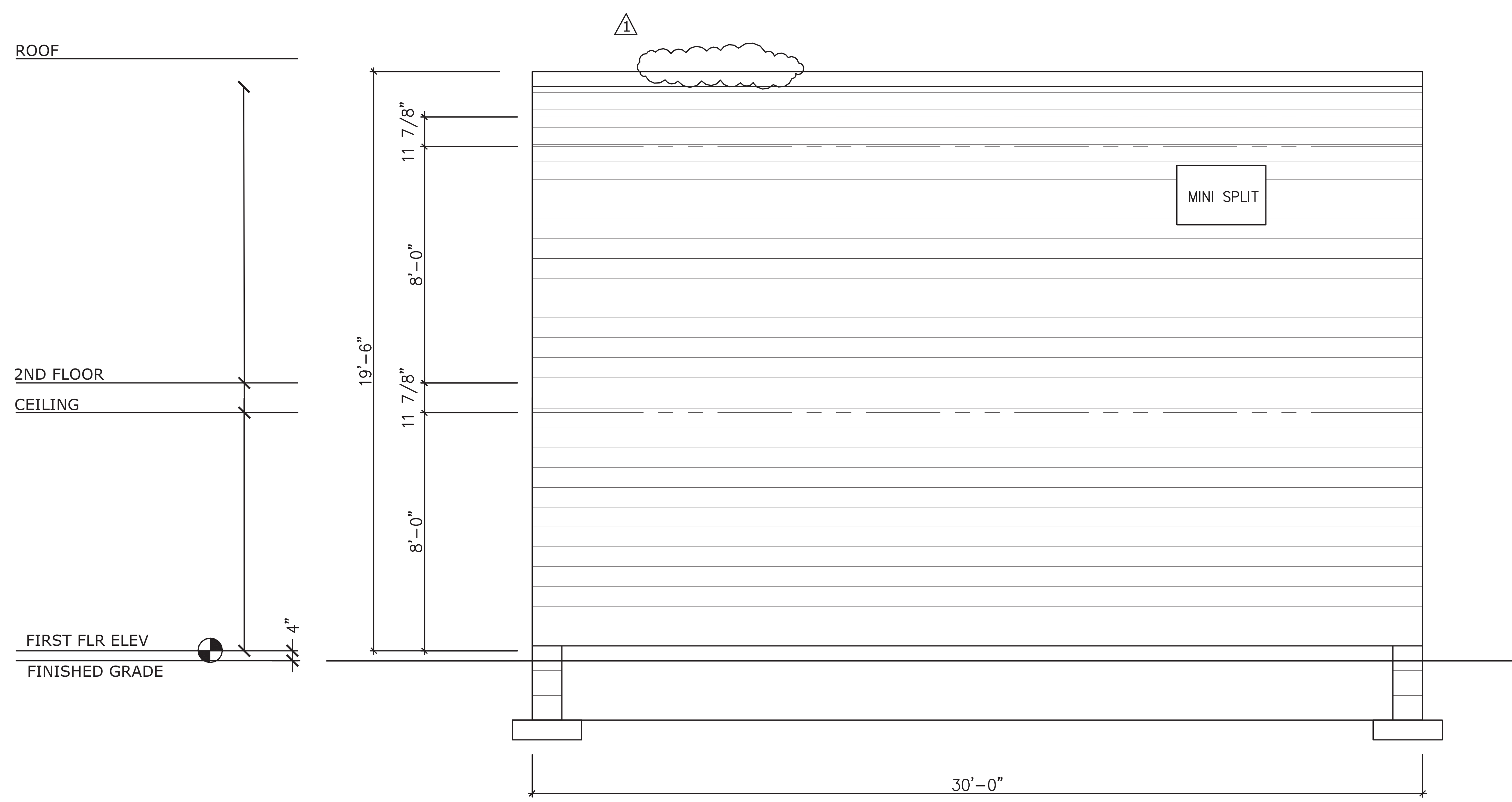
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	A	6-30-2016		

sheet name:
ELEVATIONS

A0003
10 OF 20



6 EAST ELEVATION
SCALE: 1/2"=1'-0"



7 WEST ELEVATION
SCALE: 1/2"=1'-0"

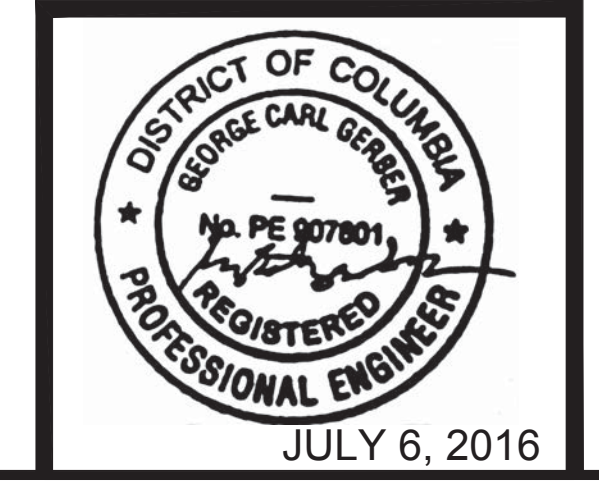
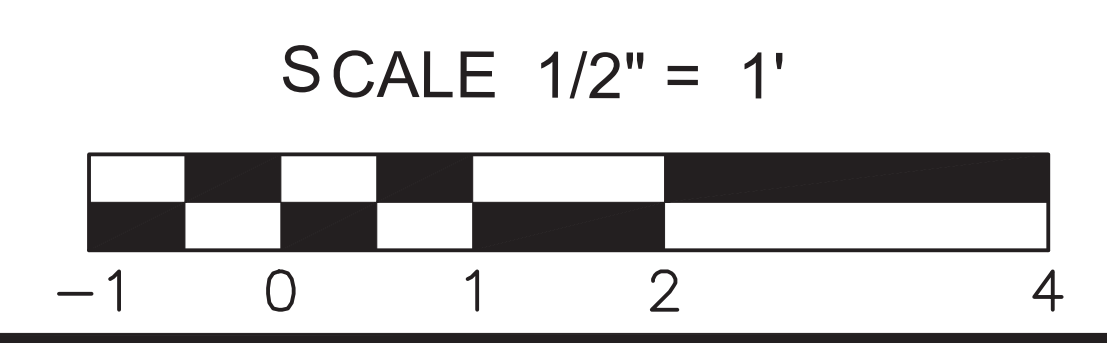
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WASHINGTON, DC 20016

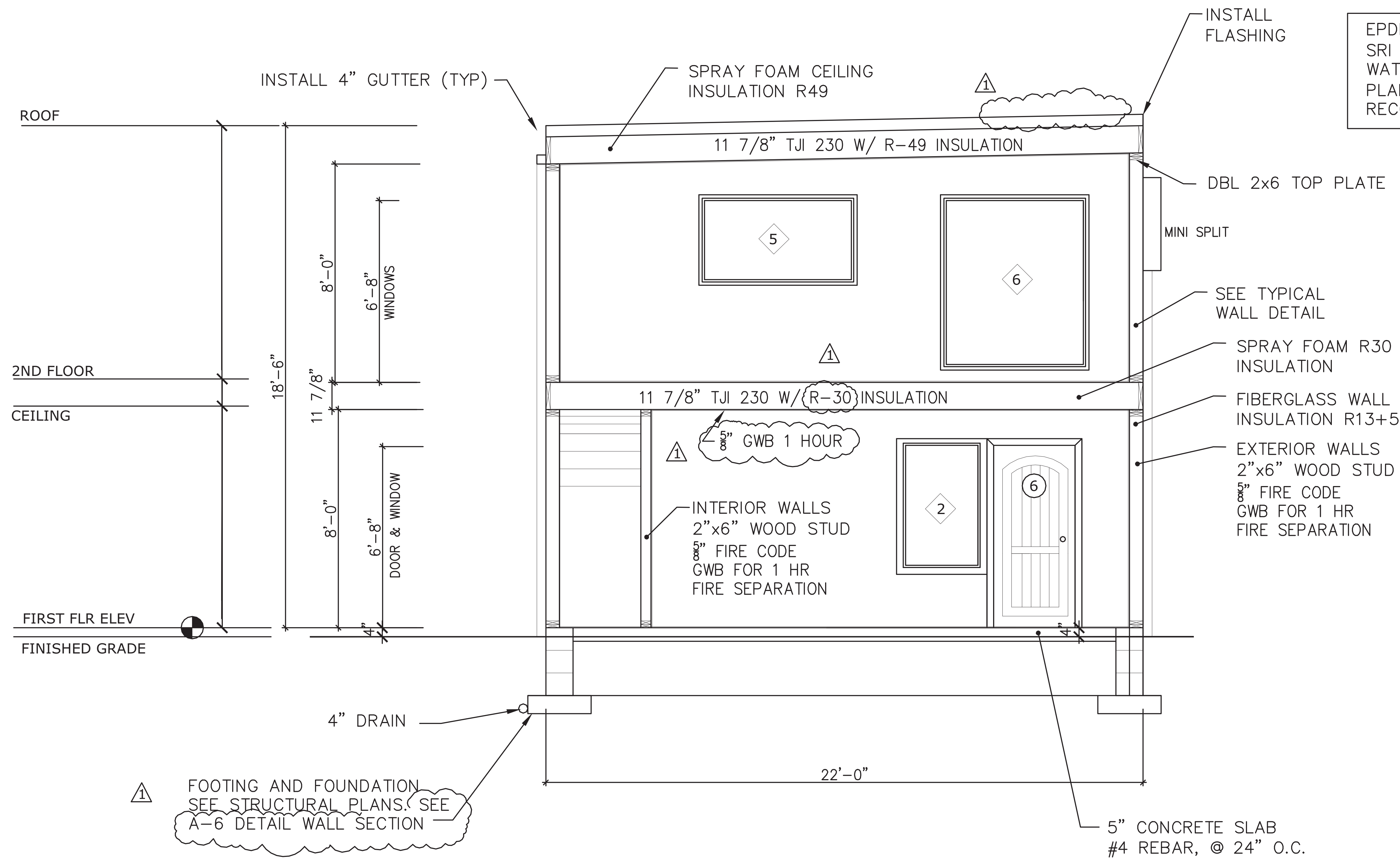
Owners:
Nick Alten
Engineer:
Better Space
LLC
4511
Chesapeake St
NW
Washington
DC

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ELEVATIONS

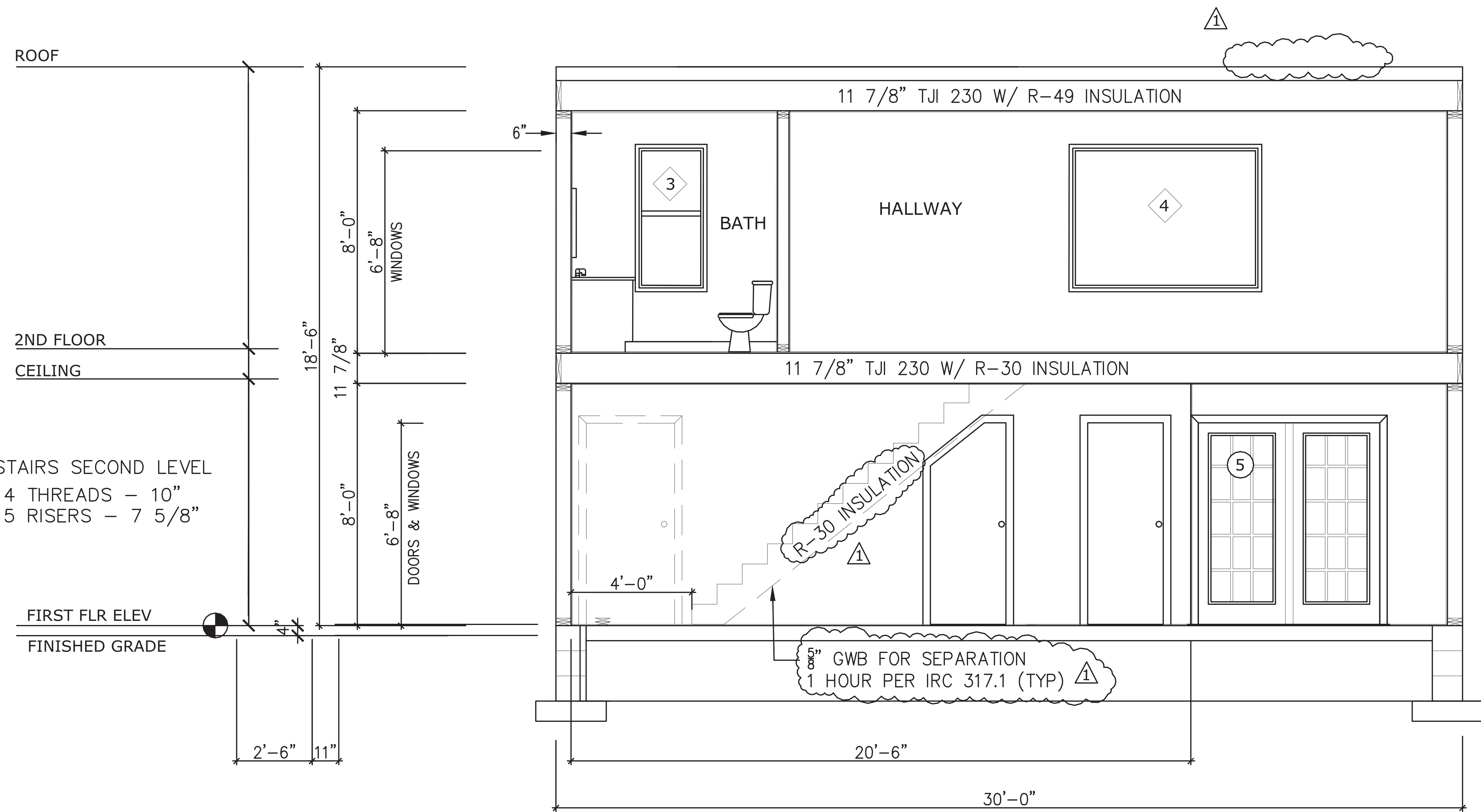
A0004





EPDM ROOF SYSTEM
 SRI 78 ON ROOFING FELT W/ ICE &
 WATER SHIELD AS SHOWN ON ROOF
 PLAN. INSTALL PER MANUFACTURER'S
 RECOMENDATION

8 CROSS SECTION A-A
 SCALE: 1/2"=1-0"



EPDM ROOF SYSTEM
 SRI 78 ON ROOFING FELT W/ ICE &
 WATER SHIELD AS SHOWN ON ROOF
 PLAN. INSTALL PER MANUFACTURER'S
 RECOMENDATION

9 CROSS SECTION B-B
 SCALE: 1/2"=1-0"

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 WASHINGTON, DC 20016

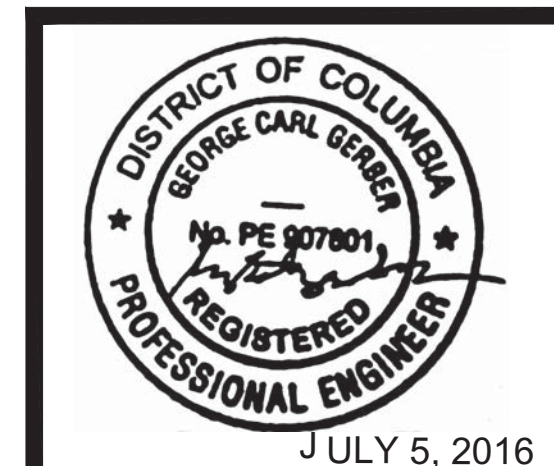
Owners:
Nick Alten

Engineer:
Better Space
 LLC
 4511
 Chesapeake St
 NW
 Washington
 DC

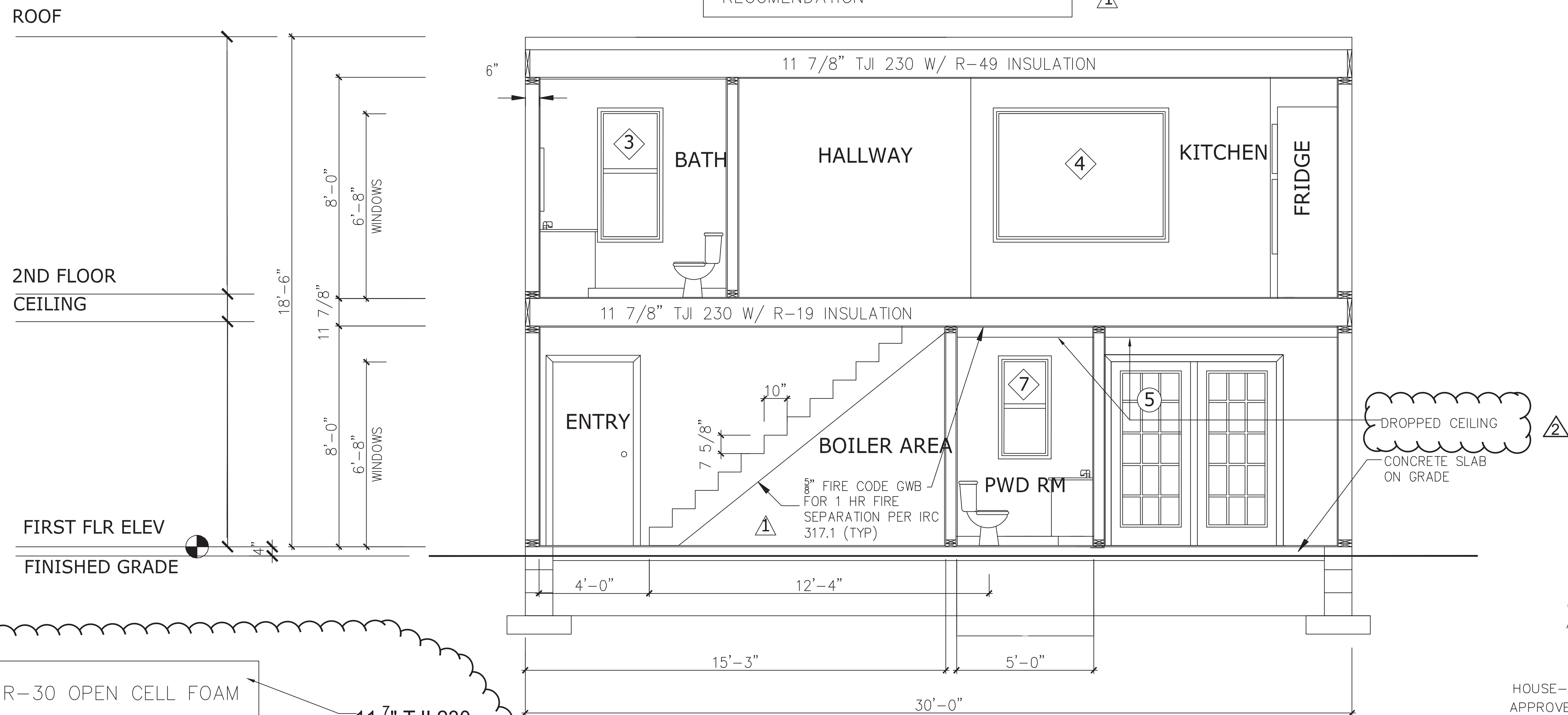
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	1	6-30-2016		

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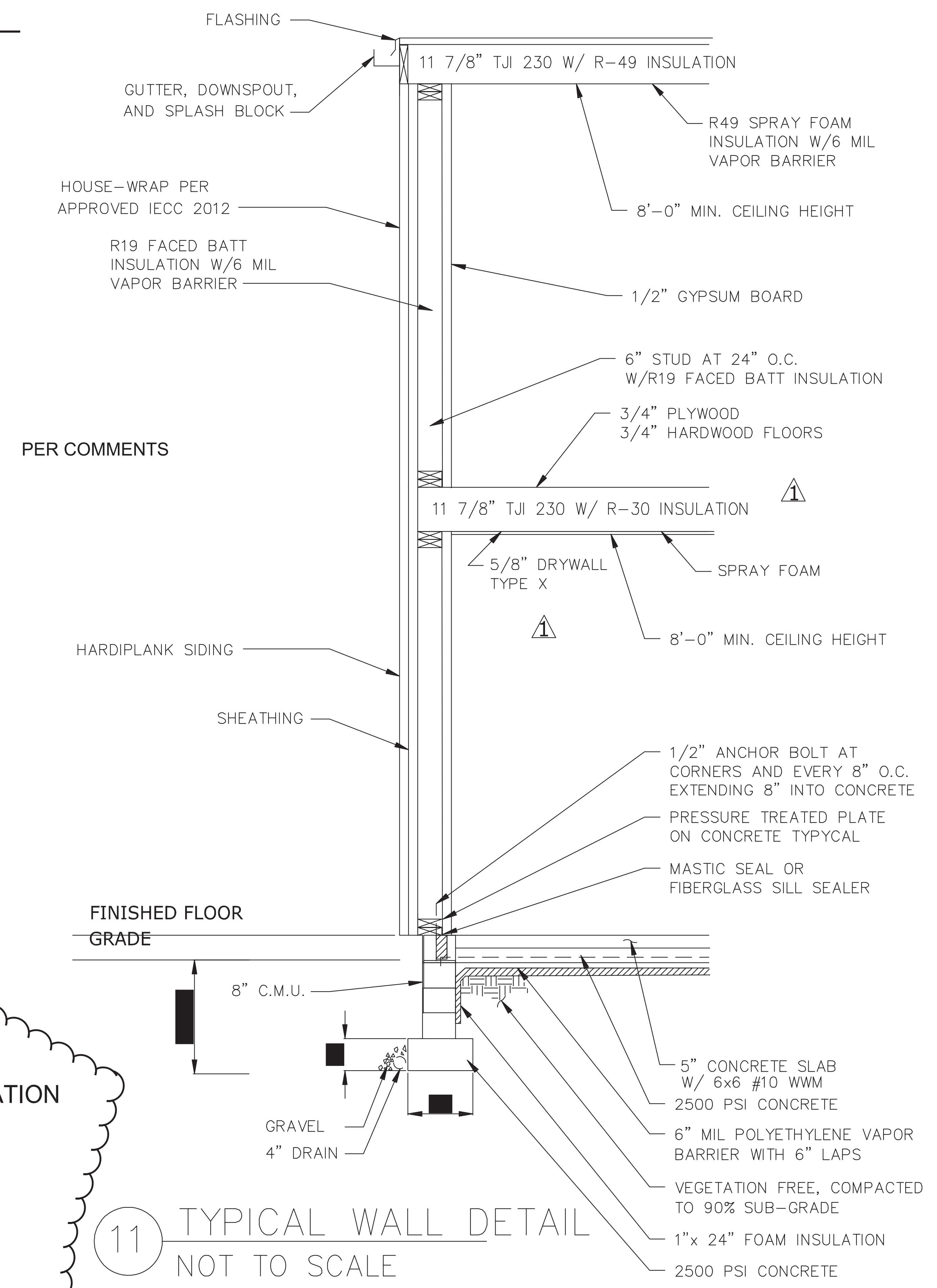
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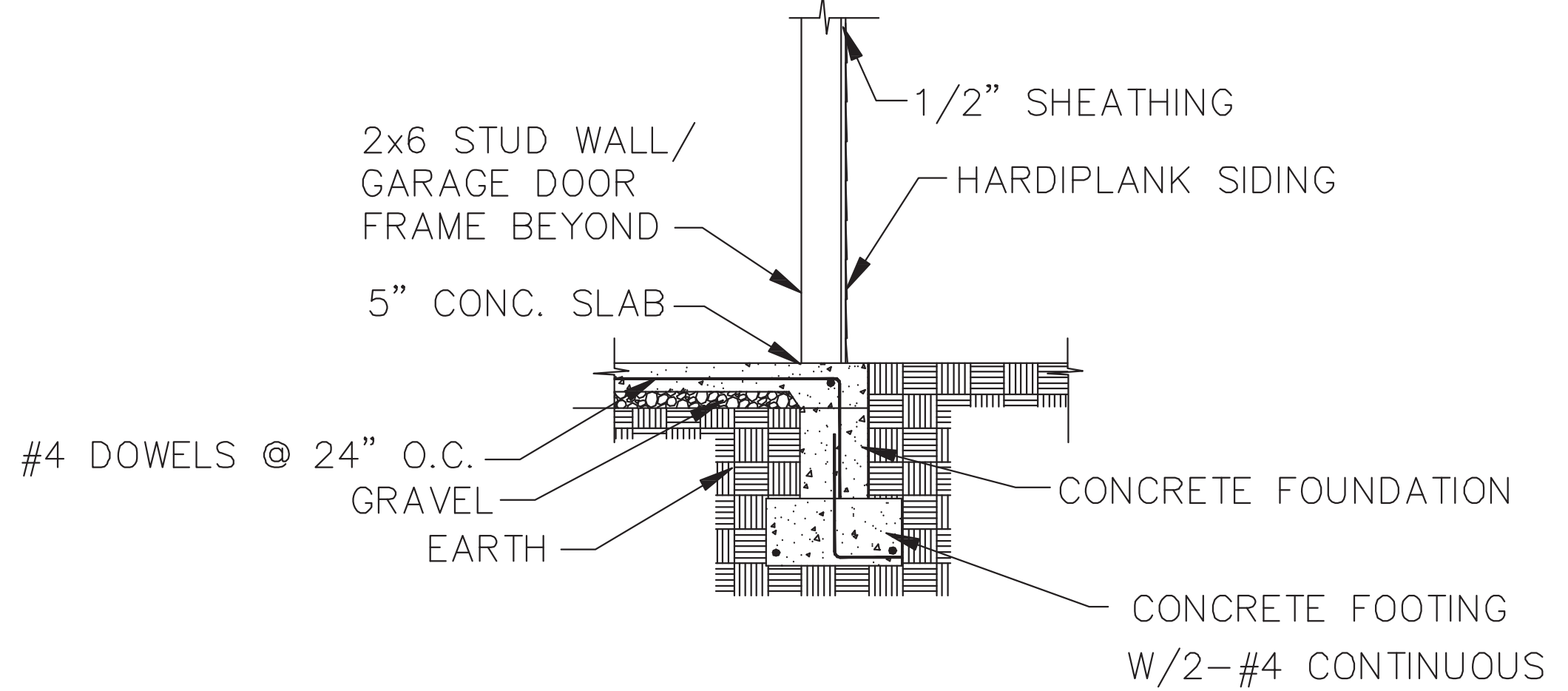
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SRI 78 ON ROOFING FELT W/ ICE & WATER SHIELD AS SHOWN ON ROOF PLAN. INSTALL PER MANUFACTURER'S RECOMMENDATION



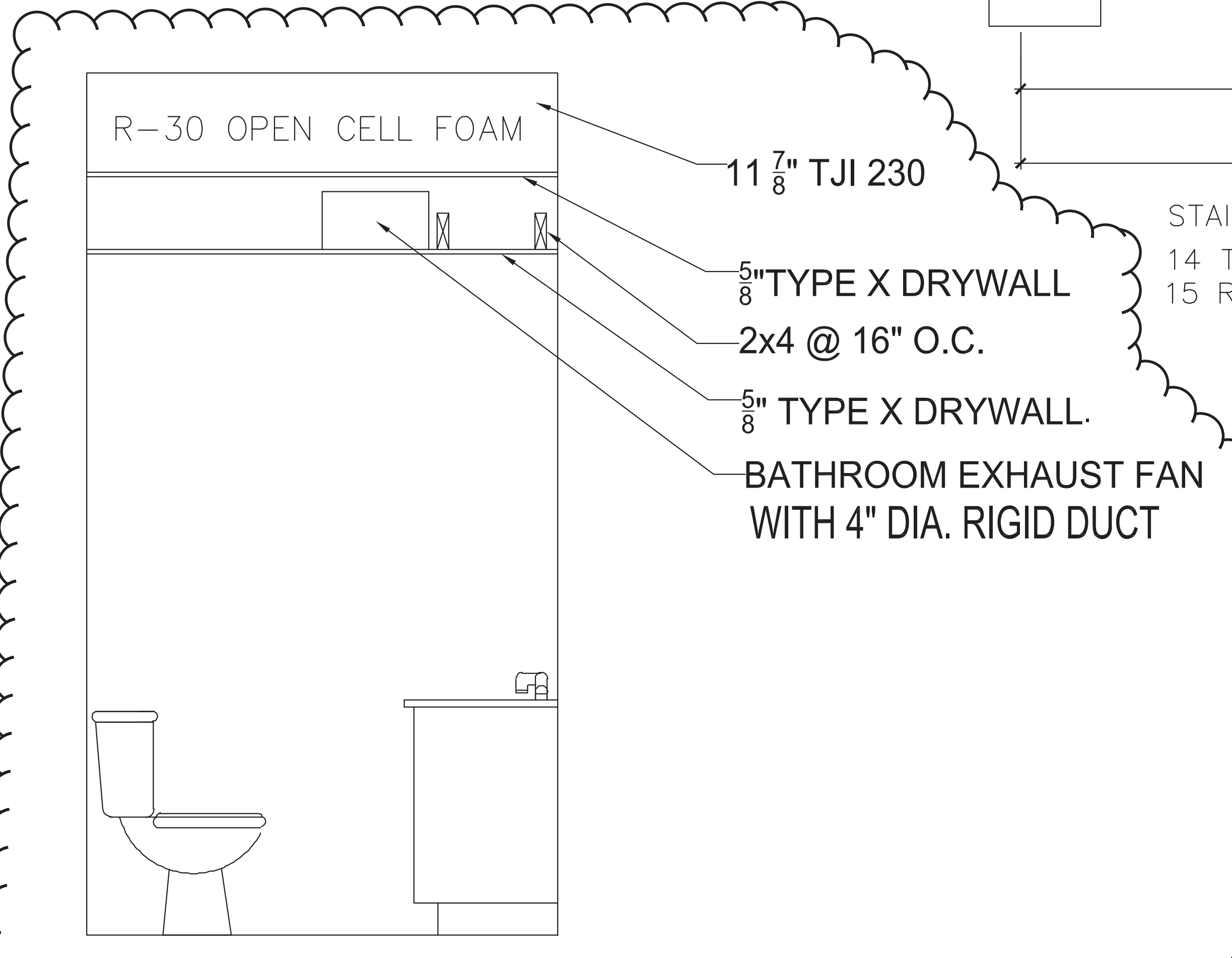
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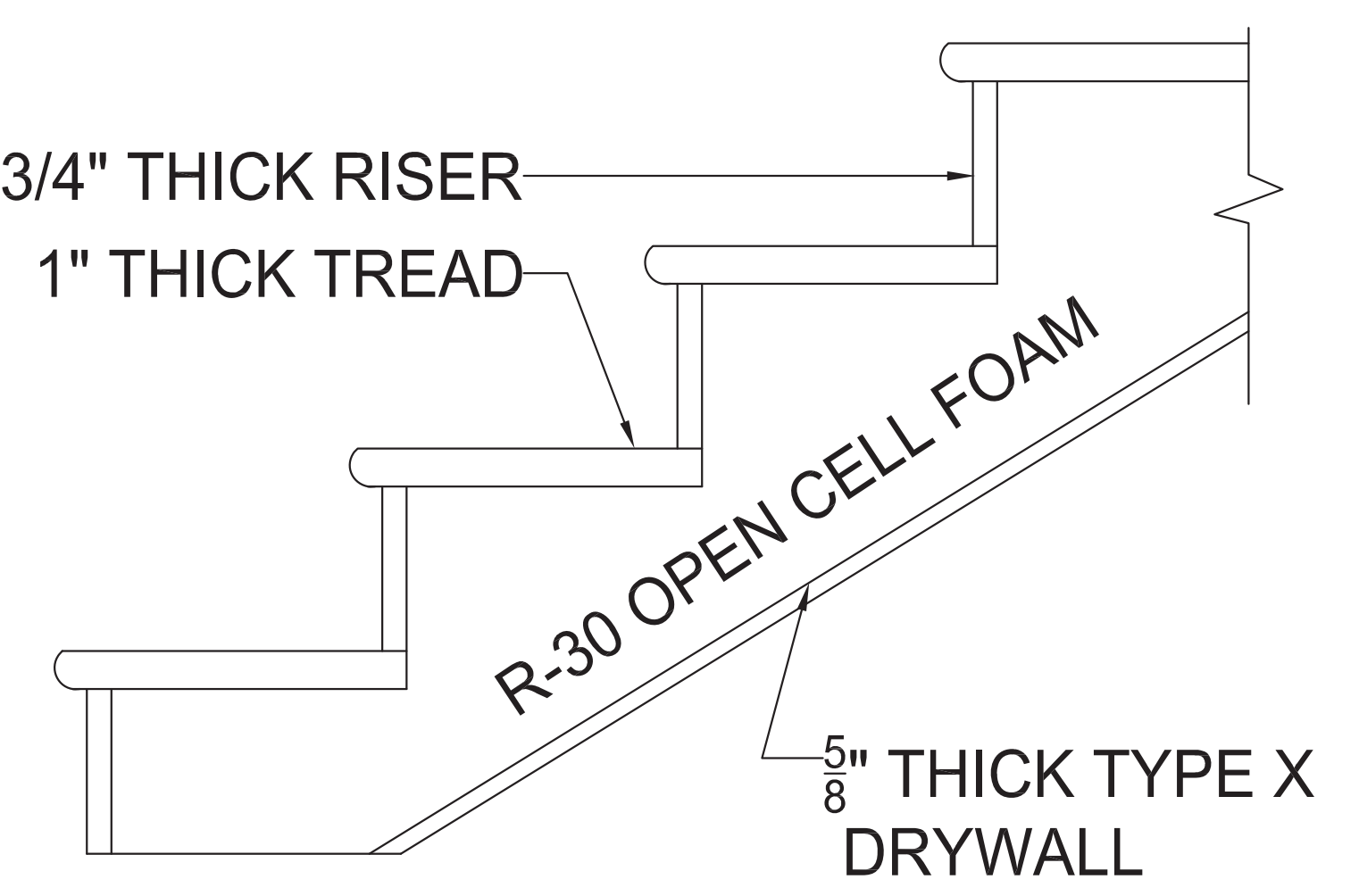
10 CROSS SECTION C-C
SCALE: 1/2" = 1'-0"



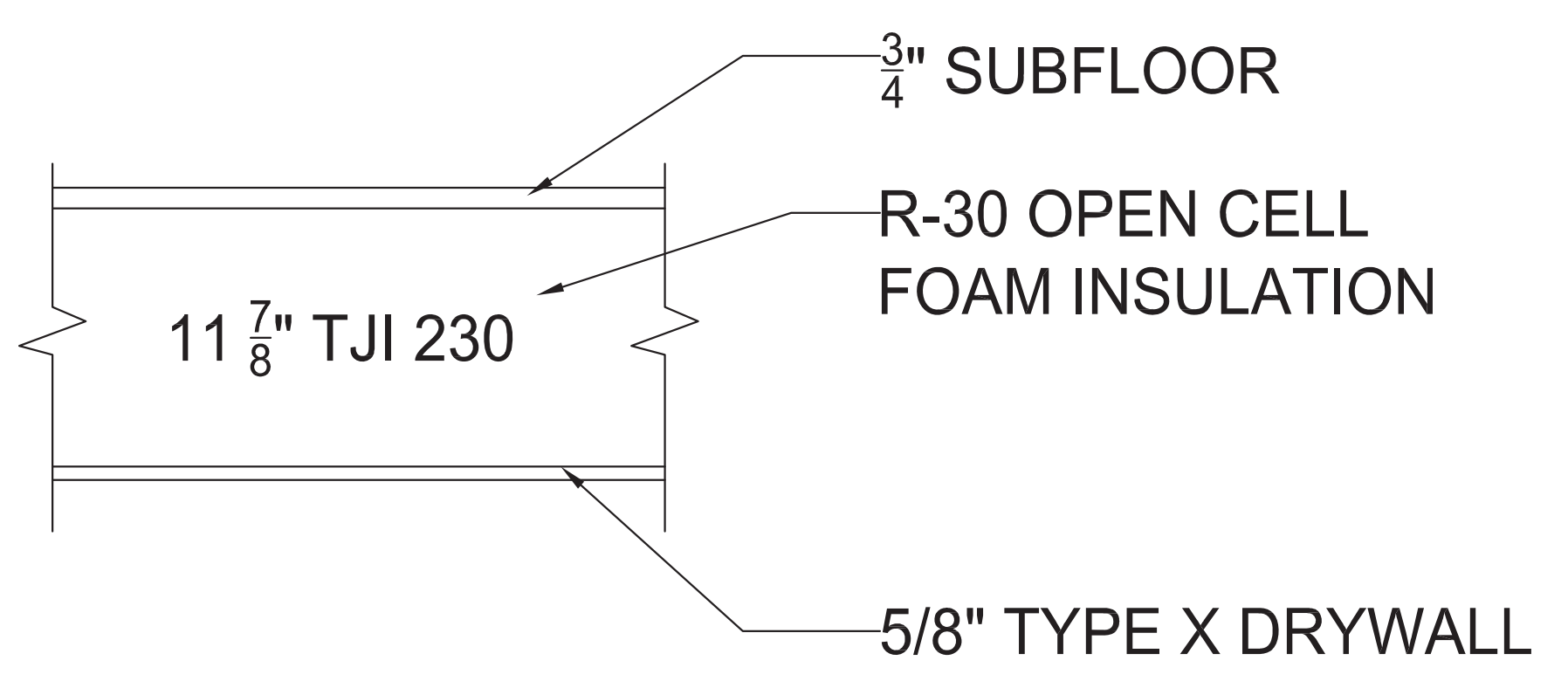
11A TYPICAL WALL SECTION 2
NOT TO SCALE



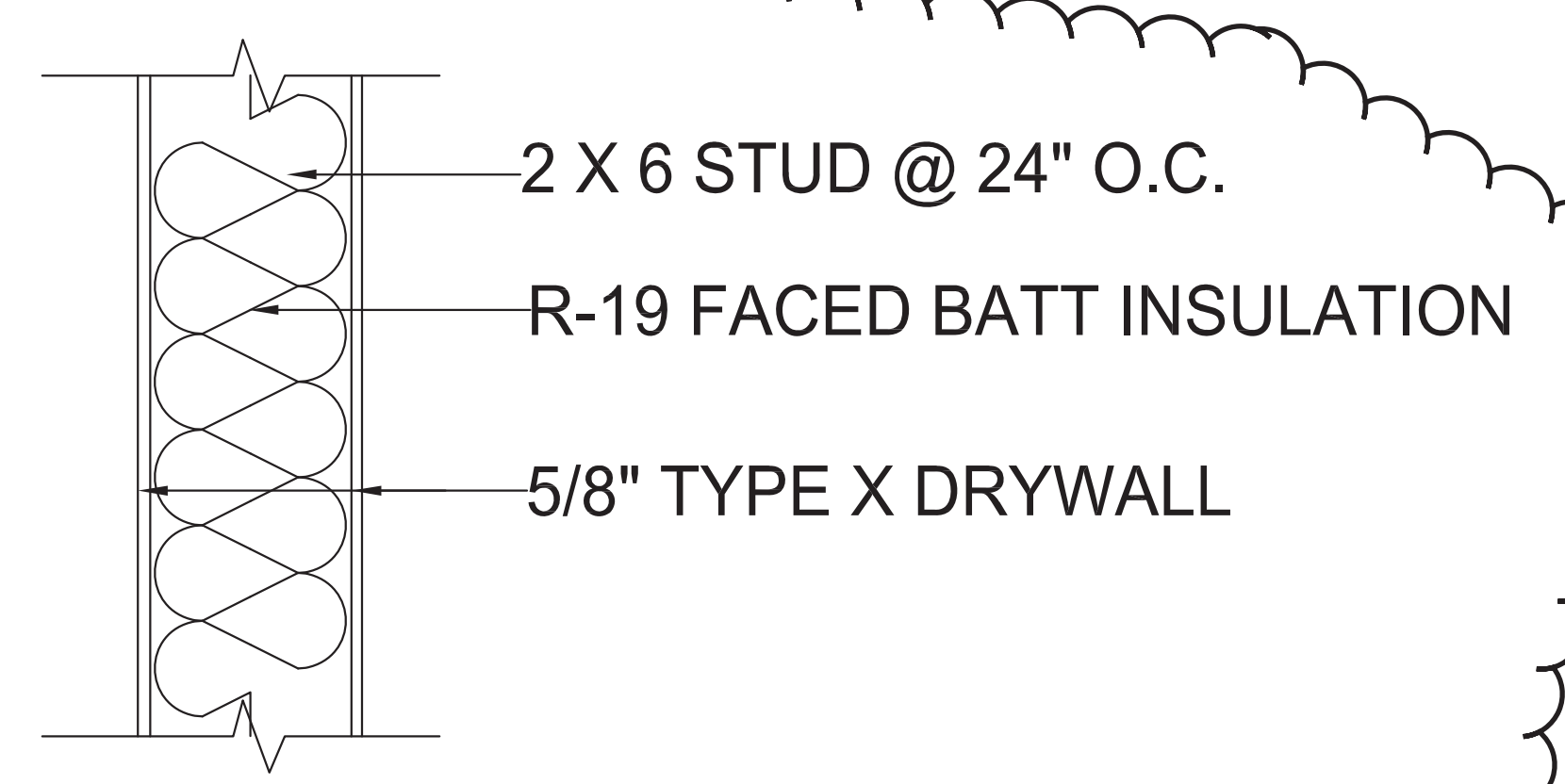
10A ENLARGED POWDER ROOM SECTION
SCALE: 1' = 1'-0"



FIRE SEPARATION DETAIL STAIR (NOT TO SCALE)



FIRE SEPARATION DETAIL FLOOR (NOT TO SCALE)



FIRE SEPARATION DETAIL WALL (NOT TO SCALE)

11 TYPICAL WALL DETAIL
NOT TO SCALE



4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016

Owners:
Nick Alten

Engineer:
Better Space LLC
4511 Chesapeake St NW
Washington DC

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1	A	6-30-2016			
2	A	04-08-2019			

sheet name:
CROSS SECTIONS
A0006
13 OF 20

ALTEN RESIDENCE GARAGE ADDITION PROJECT

4511 CHESAPEAKE ST NW WASHINGTON, DC

CODES:

ALL WORK TO BE IN ACCORDANCE WITH:

2013 DISTRICT OF COLUMBIA BUILDING CODE

CODE	ICC RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS	2012
	TITLE 12 DCMR DC CONSTRUCTION CODES SUPPLEMENT	2013
	DCMR 12 DC CONSTRUCTION CODES SUPPLEMENT	2008
	AMENDMENT TO DCMR 12 DC CONSTRUCTION CODE SUPPLEMENT	2008
	IECC	2012

SMOKE DETECTION - HARDWIRE, INTERCONNECTED SMOKE

DETECTORS ON SEPARATE CIRCUIT FROM MAIN PANEL AND

WITH BATTERY POWER BACKUP - INSTALLED IN ACCORDANCE WITH

NFPA 72

THE FIRST AND SECOND FLOOR SHALL HAVE AN AUTOMATIC SPRINKLER SYSTEM

PER NFPA 13D 2010

INSULATION REQUIREMENTS:

CEILING	R49
WOOD FRAME	R-13+5
MASS WALL	R8-13
FLOOR	R19
BASEMENT WALL	R10
SLAB	R10
CRAWL SPACE	R10/13

PROJECT DESCRIPTION:

NEW DETACHED ONE AND A HALF CAR GARAGE FOR THE PURPOSE OF PROVIDING LIVING QUARTERS FOR DOMESTIC HELP PER SECTION 2500.5

THE GARAGE WILL INCLUDE STORAGE AND INTERIOR STAIR PROVIDING ACCESS TO A LIVING AREA ABOVE.

SUBDIVISION

LOT - 30

SQUARE - 1570

LOT - 5667 SF

PROPOSED NEW

GARAGE - 660 SF

SECOND FLOOR CONDITIONED LIVING SPACE - 660 SF

TOTAL - 1451 SF

TOTAL VOLUME - 1500 CF

TOTAL HEIGHT = 19'-10 1/2"

LOT OCCUPANCY

EXISTING HOUSE FOOTPRINT - 2086 SF

NEW GARAGE - 1320 SF

TOTAL COVERED - 3408 SF

LOT OCCUPANCY - 29%

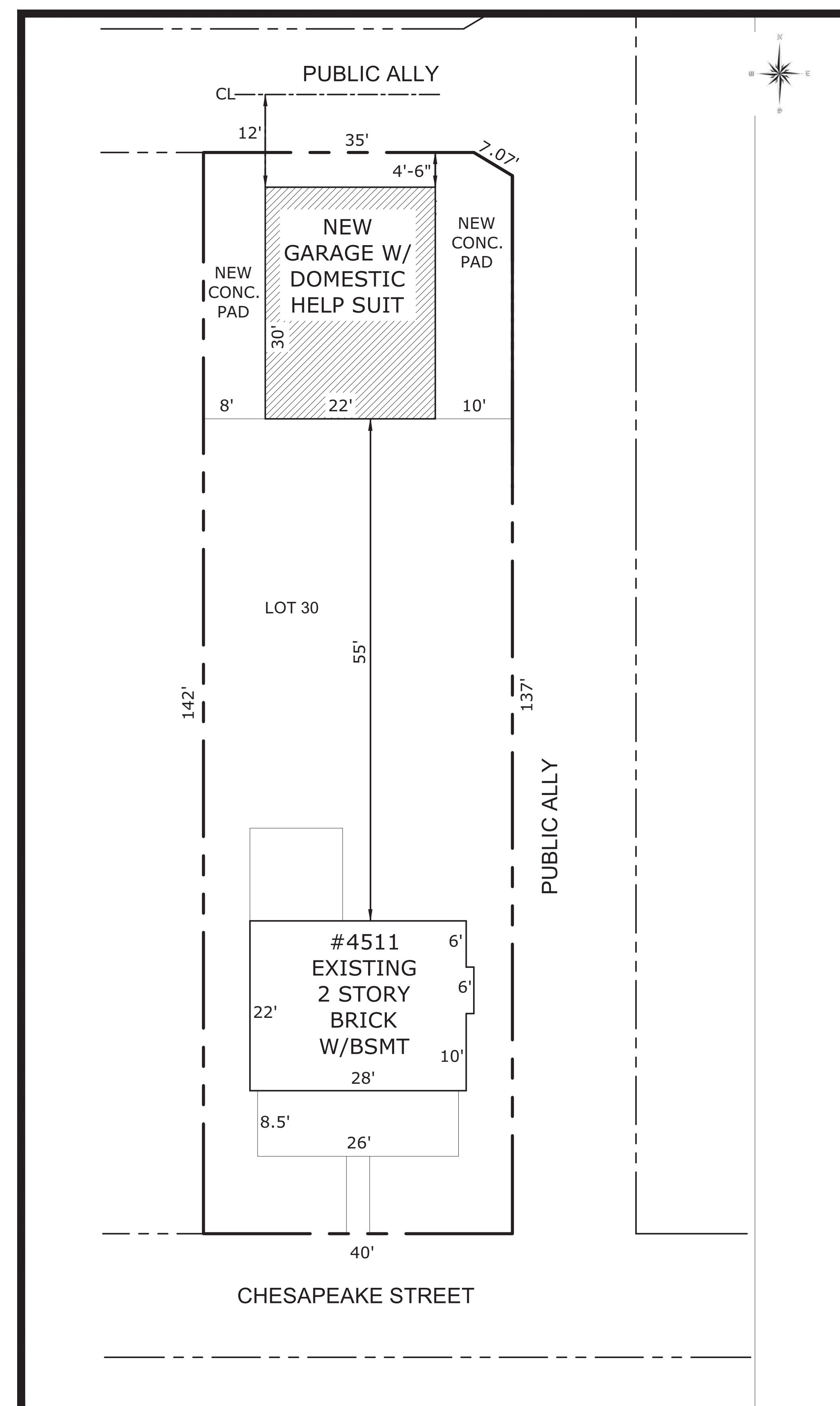
FLOOR AREA RATIO

EXISTING HOUSE GROSS FLOOR AREA - 2086 SF

NEW GARAGE GROSS FLOOR AREA - 1320 SF

TOTAL GFA - 3408 SF

FLOOR AREA RATIO - 60%



SITE PLAN

1" = 20'

TABLE OF CONTENTS:

C0001	COVER SHEET
ES001	EROSION AND SEDIMENT CONTROL NOTES & DETAILS
ES002	EROSION AND SEDIMENT CONTROL NOTES & DETAILS
ES003	SOIL EROSION PLAN
G0001	SPECIFICATIONS
G0002	SPECIFICATIONS
G0003	SPECIFICATIONS
A0001	1ST FLOOR PLAN
A0002	2ND FLOOR PLAN
A0003	ELEVATIONS
A0004	ELEVATIONS
A0005	CROSS SECTIONS
A0006	CROSS SECTIONS
E0001	ELECTRICAL PLAN
E0002	ELECTRICAL DETAILS
EV003	ENERGY VERIFICATION
M0001	MECHANICAL PLAN
P0001	RISER DIAGRAM
S0001	FOUNDATION AND FRAMING PLANS
S0002	STRUCTURAL DETAILS

SYMBOLS LEGEND:

KITCHEN	ROOM NAME / NUMBER
FIRST FLR ELEV	EL 8'-0"
SPOT ELEVATION	
CROSS SECTION	
ALIGN SURFACES	
DOOR SYMBOL	
WINDOW SYMBOL	
DOOR	
WINDOW	

SCALE 1" = 20'



4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016

Owners:
Nick Alten

Engineer:
Better Space

LLC

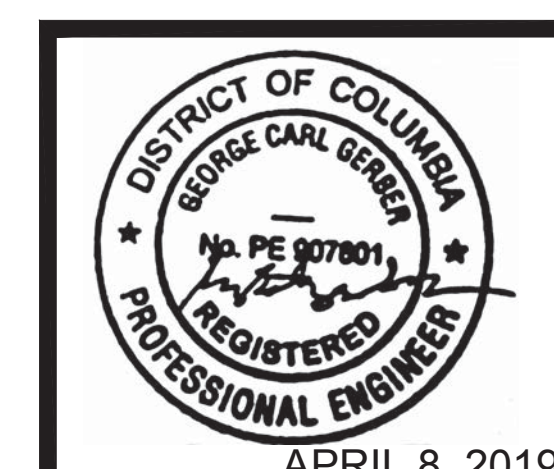
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	A	04-08-2019			

sheet name:

COVER SHEET

C0001



APRIL 8, 2019

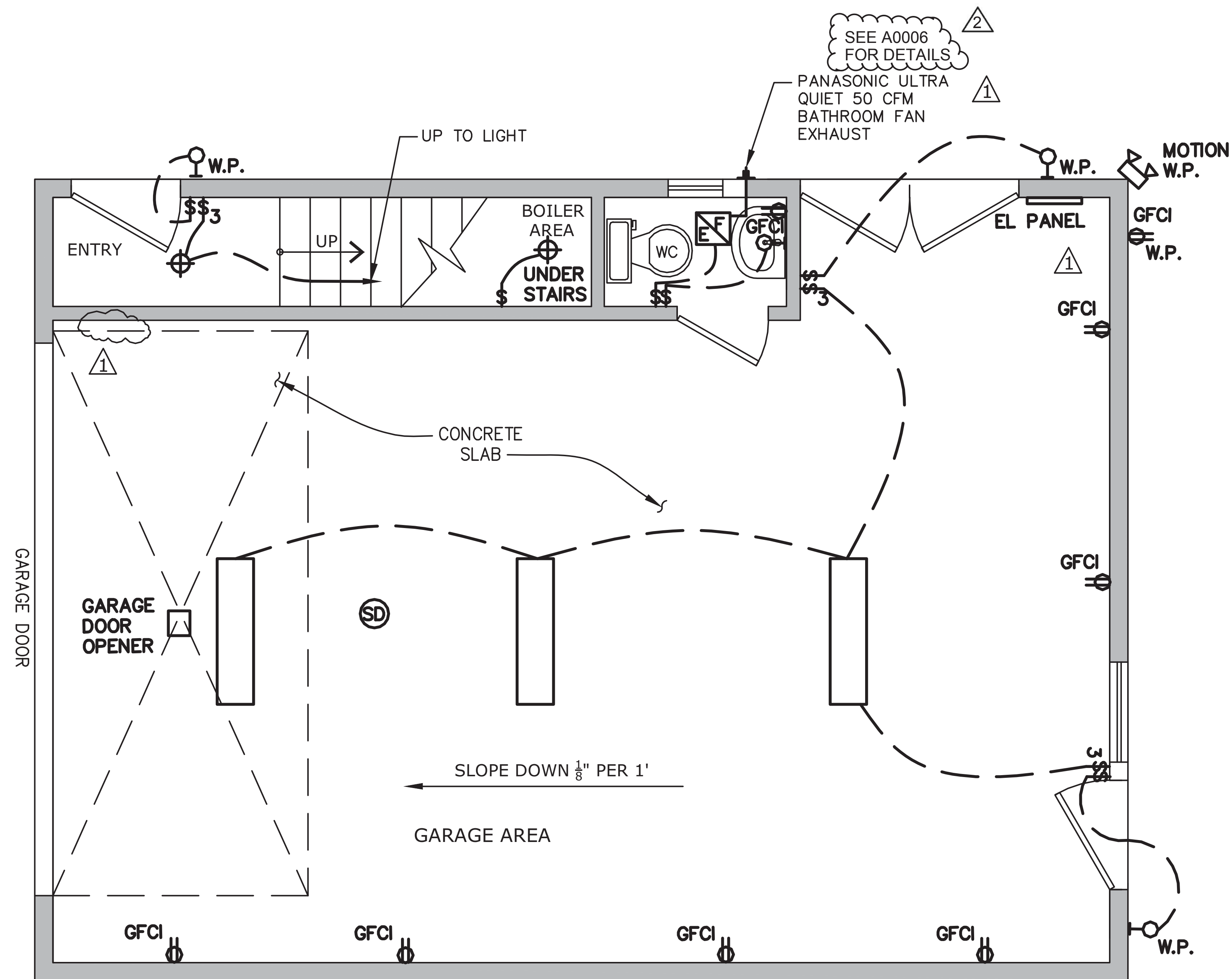
1 OF 20

ELECTRICAL CONTROL SCHEDULE

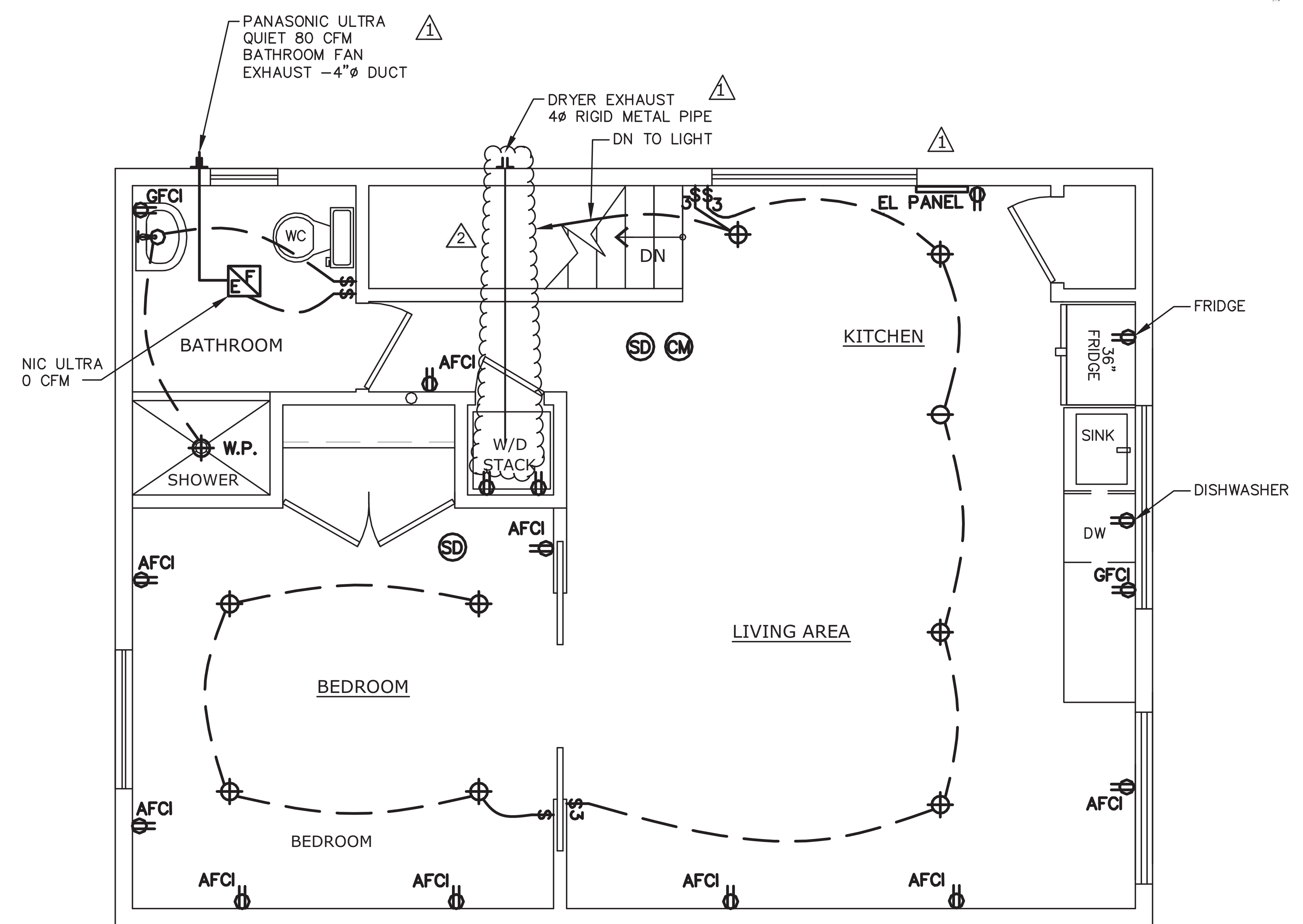
SYMBOL	DESCRIPTION OF EQUIPMENT	MANUFACTURER	MODEL NO.	FINISH COLOR	REMARKS
⚡	SINGLE POLE SWITCH			WHITE	
⚡	THREE WAY SWITCH			WHITE	
⚡	RECEPTACLE				ALL RECEPTACLES TO BE AFCI
⚡	RECEPTACLE 3-WAY SWITCH			WHITE	
⚡	GFCI RECEPTACLE			WHITE	
⚡	EXHAUST FAN	PANASONIC	FV-0511VKS1	----	DUCTED TO EXTERIOR
⚡	DOOR BELL			WHITE	
⚡	SMOKE DETECTOR HARD WIRE			----	INTER-CONNECTED BY BATTERY BACK UP
⚡	CARBON MONOXIDE DETECTOR			----	INSTALLED ON EVERY FLOOR
⚡	GARBAGE DISPOSAL				
⚡	RECESSED LIGHT	HALO	H995ICAT	50 WATT LED'S	IC AIR TIGHT HOUSING
⚡	PENDENT LIGHT				
⚡	WALL HUNG LIGHT				
⚡	CEILING LIGHT				
⚡	CHANDELIER LIGHT				
⚡	SHOP LIGHT	MAT LIGHT	BLHT235VSD4820	WHITE	LED SHOP LIGHT
⚡	GFCI RECEPTACLE WATERPROOF				
⚡	THERMOSTAT				

GENERAL ELECTRICAL NOTES

- 1 - SEE SHEET SP1 TO SP-3 FOR GENERAL NOTES REGARDING ELECTRICAL WORK.
 - 2 - ALL ELECTRICAL INCLUDED EXCEPT DECORATIVE FIXTURES.
 - 3 - DECORATIVE FIXTURES TO BE O.F.C.I.
 - 4 - ELECTRICAL OUTLETS PLACED 18" ABOVE FINISHED FLOOR, U.O.N.
 - 5 - ELECTRICAL OUTLETS AT WET AREAS TO BE G.F.I. U.O.N.
 - 6 - SWITCHES TO BE MOUNTED AT 48" ABOVE FINISHED FLOOR. VERIFY TO MATCH EXISTING.
 - 7 - ALL SWITCHES TO BE DIMMABLE IN LIVING SPACES
- EXCLUDES UTILITY SPACE.



12 1ST FLOOR ELECTRICAL
SCALE: 1/4"=1'-0"



13 2ND FLOOR ELECTRICAL
SCALE: 1/4"=1'-0"

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WASHINGTON, DC 20016

Owners:
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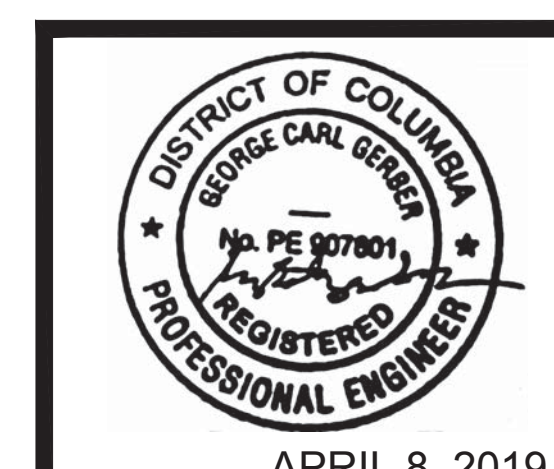
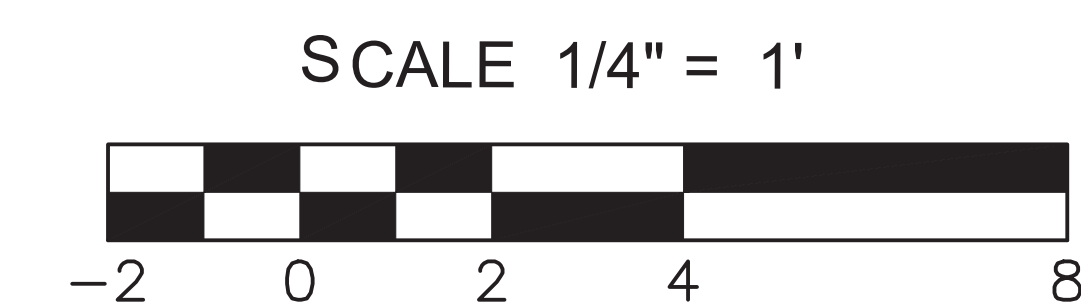
Engineer:
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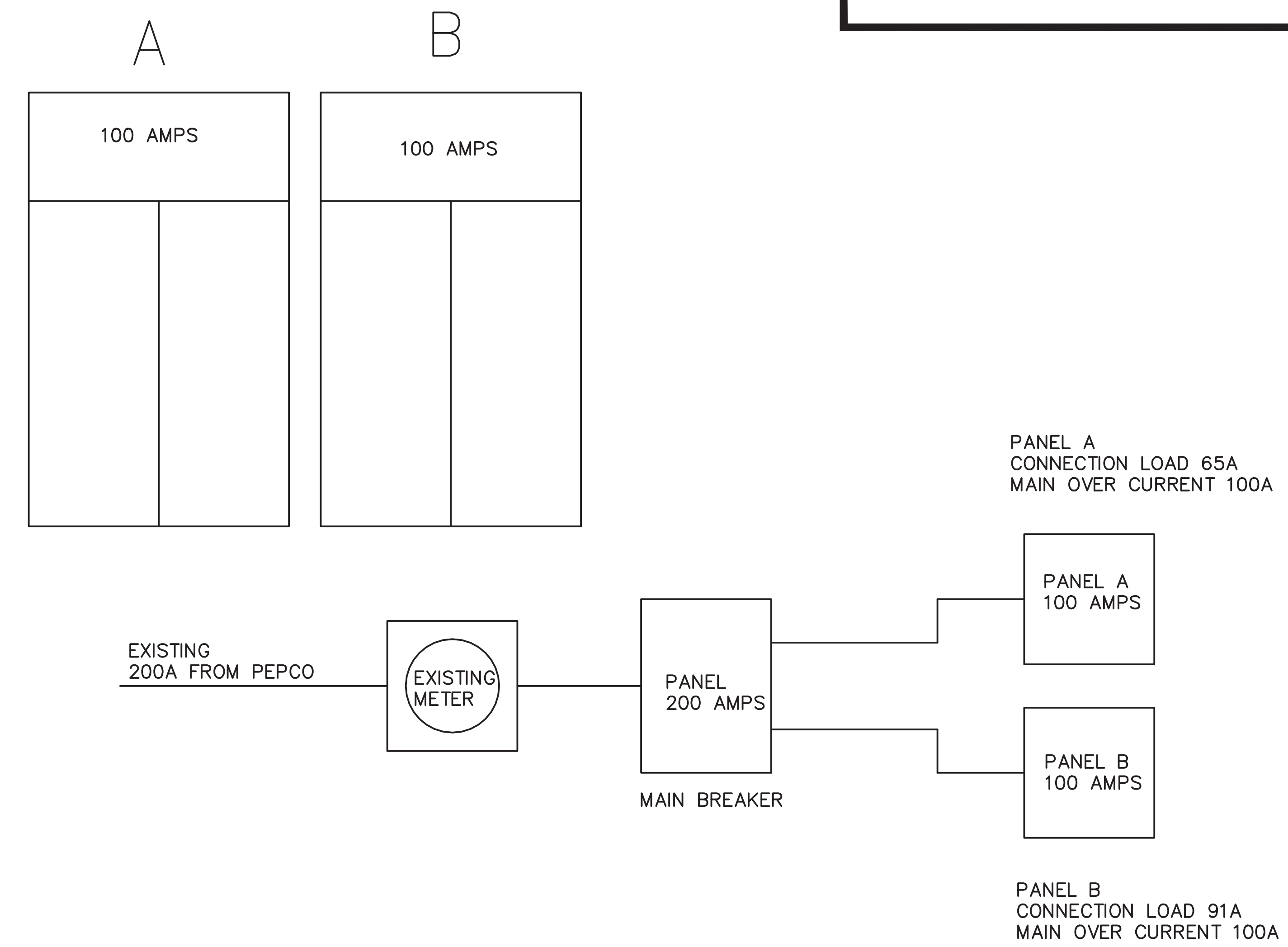
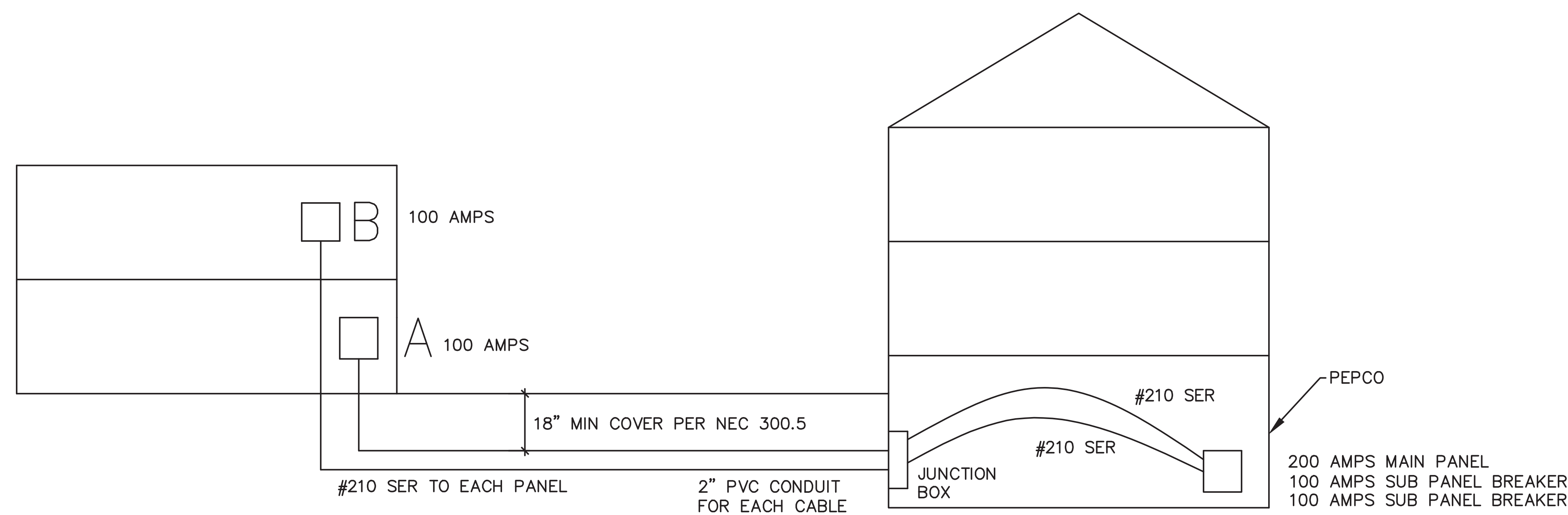
REVISIONS	ITEM	DATE	DESCRIPTION	PER COMMENTS	PER COMMENTS
1	A	6-30-2016			
2	A	04-08-2019			

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ELECTRICAL
PLANS

E0001



APRIL 8, 2019



ELECTRICAL PANELS A & B
NOT TO SCALE

PANEL A – First Floor

VOLTS: 120/240 1-PHASE; 3 WIRE					
Main 100 Amperes					
Note all Circuits to have Arc-Fault interrupters					
Circuit Number	Description	Volts	Wire size THHN	Circuit Breaker	Notes
1	HOT WATER HEATER	240	10	30A	
2	HOT WATER HEATER				
3	BATHROOM LIGHTS AND FAN	120	14	15A	
4	BATHROOM OUTLETS	120	14	15A	GFI
5	OUTSIDE LIGHTS	120	14	15A	
6	SHOP PLUGS	120	12	20A	
7	SHOP PLUGS	120	12	20A	
8	SHOP PLUGS	120	12	20A	
9	GARAGE DOOR	120	14	15A	
10	GARAGE LIGHTS	120	14	15A	
11	Spare				
12	Spare				
13	Spare				
14	Spare				
15	Spare				
16	Spare				
17	Spare				
18	Spare				
19	Spare				
20	Spare				

PANEL B – Second Floor

VOLTS: 120/240 1-PHASE; 3 WIRE					
Main 100 Amperes					
Note all Circuits to have Arc-Fault interrupters					
Circuit Number	Description	Volts	Wire size THHN	Circuit Breaker	Notes
1	CLOTHES DRYER	240	10	30A	
2	CLOTHES DRYER				
3	REFRIGERATOR RECEPTACLE	120	14	15A	
4	KITCHEN WALL RECEPTICALS / DISPOSAL	120	14	15A	GFI
5	DISHWASHER	120	14	15A	
6	CLOTHES WASHER	120	14	15A	
7	KITCHEN / LIVING ROOM / HALL LIGHTS	120	14	15A	
8	BEDROOM OUTLETS	120	14	15A	
9	BEDROOM LIGHT	120	14	15A	
10	BEDROOM (B04) OUTLETS	120	14	15A	
11	BATHROOM LIGHTS AND FAN	120	14	15A	
12	BATHROOM OUTLETS	120	14	15A	
13	OUTSIDE LIGHTS	120	14	15A	
14	Spare				
15	Spare				
16	Spare				
17	Spare				
18	Spare				
19	Spare				
20	Spare				

4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016

Owners:
Nick Alten

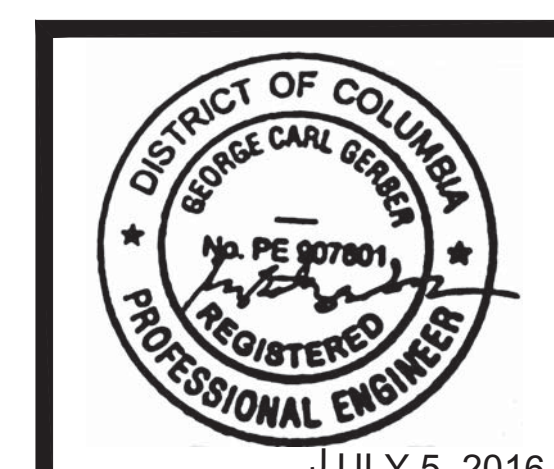
Engineer:
Better Space

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4511
Chesapeake St
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REVISIONS		
ITEM	DATE	DESCRIPTION
1	6-30-2016	PER COMMENTS

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ELECTRICAL DETAILS

E0002



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 SWEEPED 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 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 GROUND COVER 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 SITE 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 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 GUILDING 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" IN WIDTH & 4" 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 OR ON FEDERAL PROPERTY MUST HAVE PRIOR APPROVAL BY DCRA. ALL WASTE AN BORROW AREAS OFF-SITE MUST BE PROTECTED BY SEDIMENT CONTROL MEASURES AND STABILIZED IN ACCORDANCE WITH THE ORDINANCES AND REGULATIONS OF THE JURISDICTION WHERE THE SPOIL, WASTE, OR BORROW AREA IS LOCATED/STABILIZED.

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. 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.

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. 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 HYDROSEEDER ON A FIRM MOIST SEEDBED.

III. SOIL AMENDMENTS

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

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

FERTILIZER 1 TON PER ACRE OR 46 LB/1,000 SQ. FT. (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 60 LBS/ACRE OR 1.38 LBS/1,000 SQ. FT AND ITALIAN (ANNUAL) RYEGRASS 40 LBS/ACRE OR .91 LBS/1,000 SQ. FT.

DATES: 1/2 - 10/31 5/1 - 8/14 WITH IRRIGATION.

V. TEMPORARY SEEDING: PER GROWING SEASON

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

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

SEED: MILLET 40 LBS/ACRE OR 0.92 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 10 LBS/1000 SQ.FT.

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

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

DATES: 2/1 - 10/31 5/1 - 8/14 IRRIGATION REQUIRED.

B. LOW MAINTENANCE AND MINING AREAS

"KENTUCKY 31" TALL FESCUE 40 LBS/ACRE OR 0.92 LBS/1,000 SQ. FT. AND "INTERSTATE" SERICEA LESPEDEZA (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 60 LBS./ACRE OR 1.38 LBS/1,000 SQ.FT.(0.5 kg/100 sq.m)

VII. MULCHING

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

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 WEED BEDS AND SHALL BE FREE OF PROHIBITED MULCH ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER MULCH PLACEMENT NOXIOUS WEEDS. SPREAD MULCH UNIFORMLY MECHANICALLY OR BY HAND.

TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY MULCH NETTINGS, MULCH ANCHORING TOOL, PEG AND TWIN OR LIQUID MULCH BINDERS. LIQUID MULCH BINDER SHALL BE RAPID CURING CUTBACK ASPHALT APPLIED 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.

VII. 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.

**4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016**

Owners:
Nick Alten

Engineer:
Better Space LLC
4511
Chesapeake St NW
Washington DC

REVISIONS	ITEM	DATE	DESCRIPTION	PER COMMENTS
	A	6-30-2016		

sheet name:

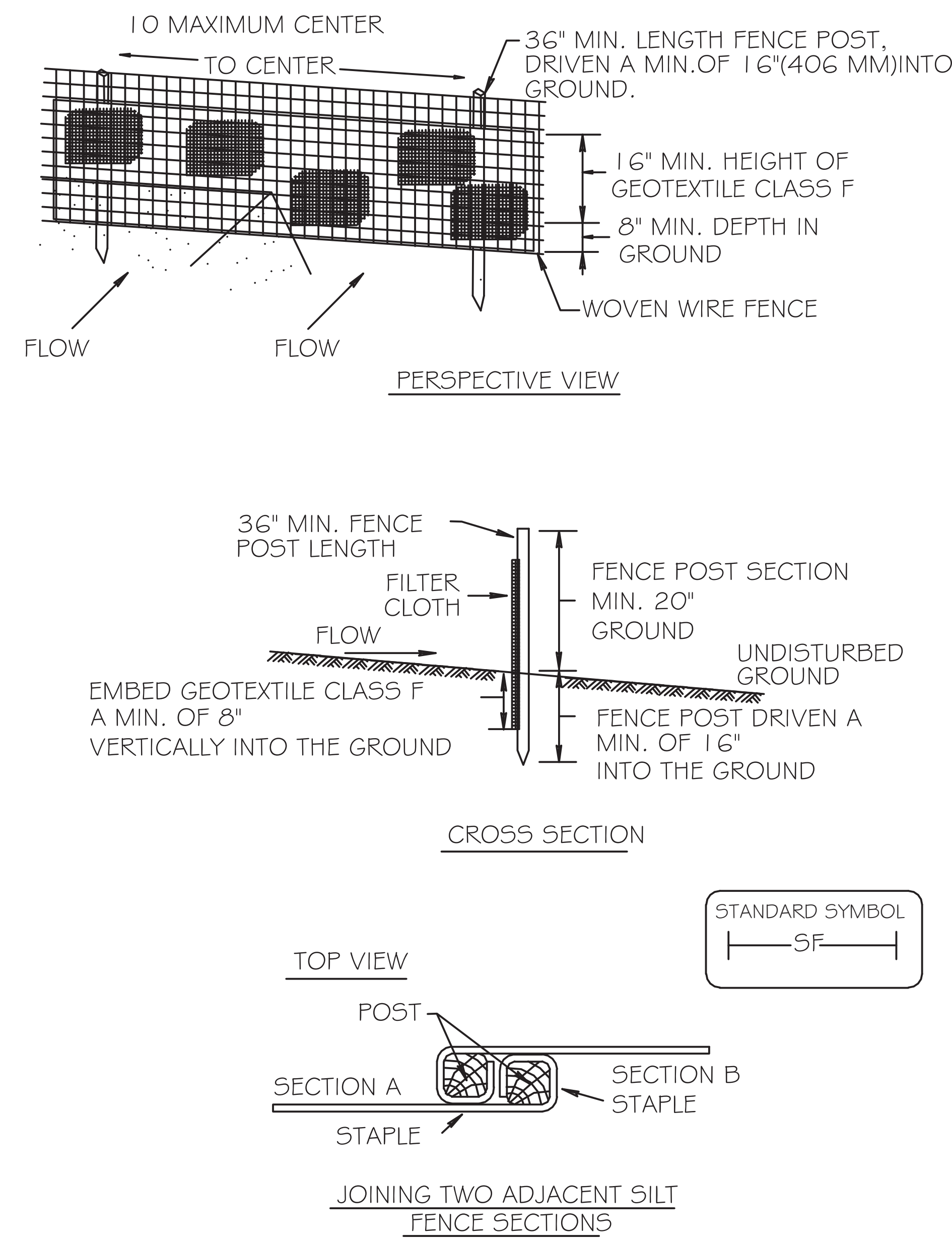
EROSION & SEDIMENT CONTROL NOTES & DETAILS

ES001

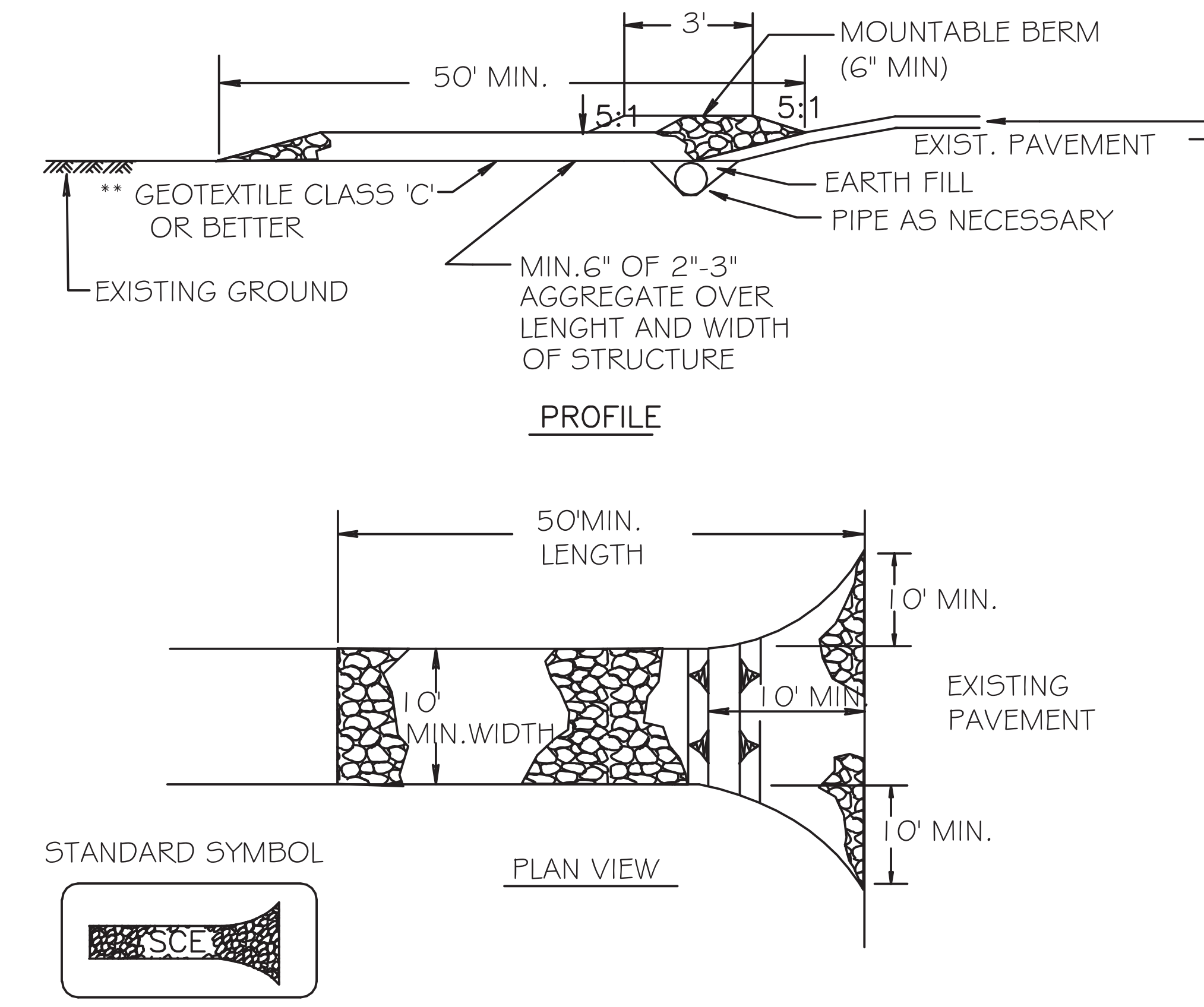
FOR EROSION & SEDIMENT CONTROL ONLY



SILT FENCE DETAIL



STABILIZED CONSTRUCTION ENTRANCE DETAIL



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 (1.37.8kPa), 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.

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

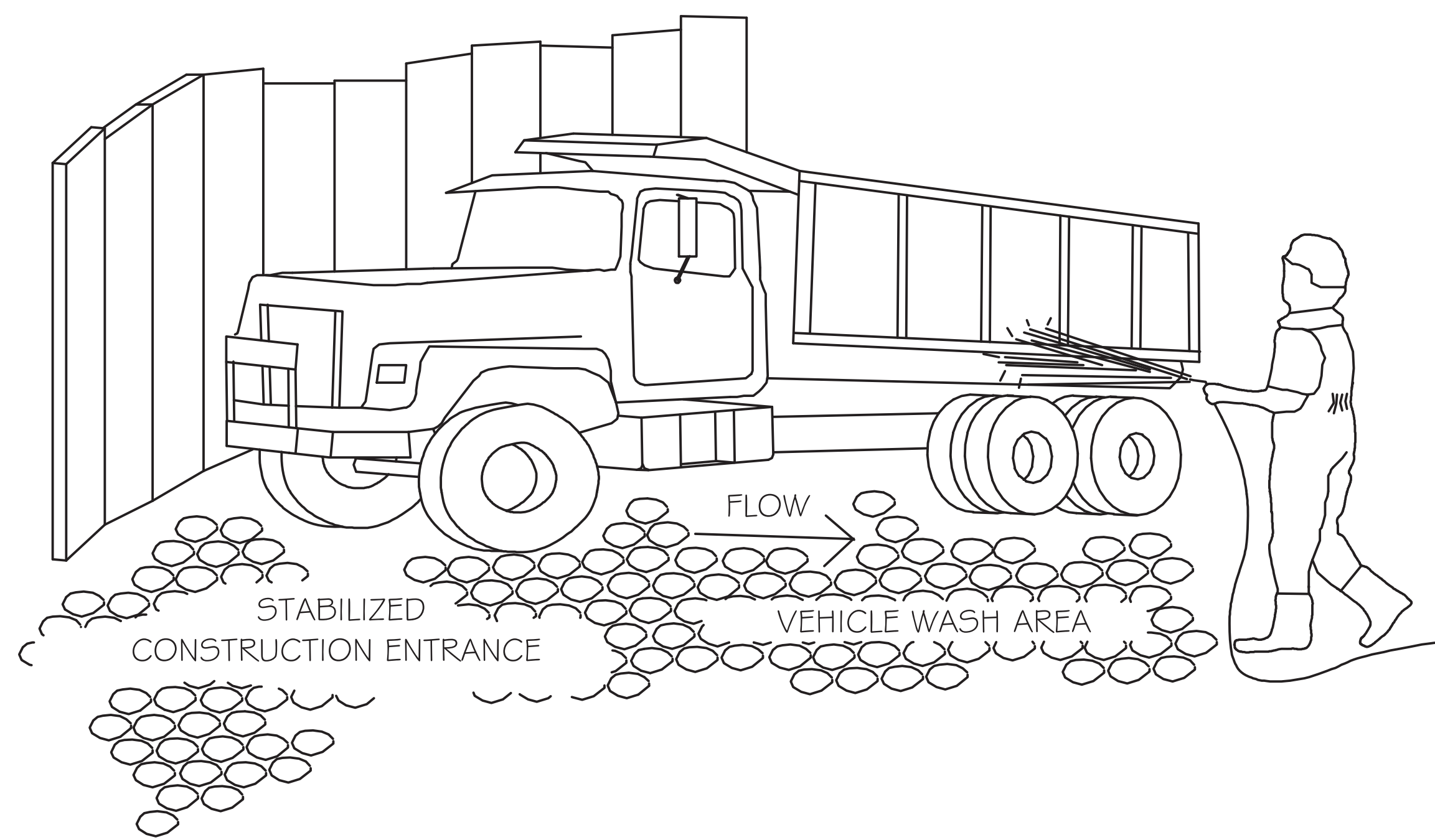
1. FENCE POST SHALL BE A MINIMUM OF 36" LONG DRIVEN 16" MINIMUM INTO THE GROUND. WOOD POST SHALL BE 1 1/2" SQUARE (MINIMUM) CUT, OR 1 3/4" DIAMETER (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POST WILL BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.
2. 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: M5MT 509
TENSILE MODULUS	20 LBS/IN. (MIN.)	TEST: M5MT 509
FLOW RATE	0.3 GAL FT/MIN. (MAX)	TEST: M5MT 322
FILTERING EFFICIENCY	75% (MIN.)	TEST: M5MT 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.

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.

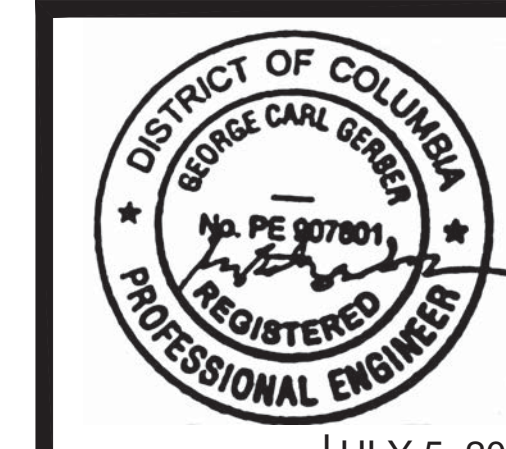
VEHICLE WASH DETAIL



PLAN NUMBER

THE APPROVAL IS FOR GRADING AND SEDIMENT CONTROL ONLY. PERMITTEE/CONTRACTOR IS REQUIRED TO CONSTRUCT DESIGN FEATURE SHOWN HEREON. HE SHALL NOTIFY THIS OFFICE AT 24 HOURS BEFORE START OF GRADING ACTIVITY AND WITHIN TWO WEEKS AFTER COMPLETION OF PROJECT FOR FINAL INSPECTION.

FOR EROSION & SEDIMENT CONTROL ONLY



**4511 CHESAPEAKE ST NW
 WASHINGTON, DC 20016**

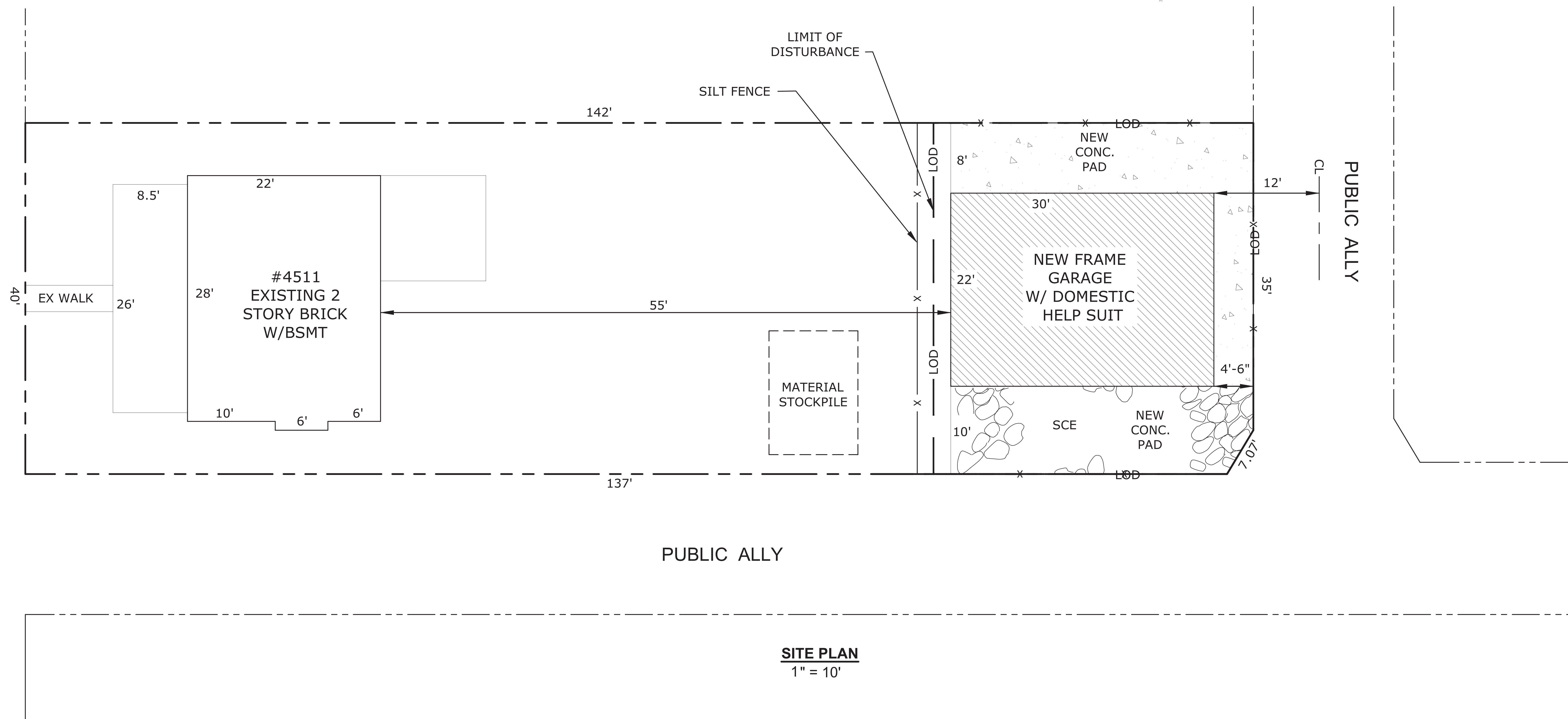
Owners:
Nick Alten
 Engineer:
Better Space LLC
 4511 Chesapeake St NW
 Washington DC

REVISIONS

ITEM	DATE	DESCRIPTION	PER COMMENTS
A	6-30-2016		

sheet name:
EROSION & SEDIMENT CONTROL NOTES & DETAILS
ES002
 3 OF 20

CHESAPEAKE STREET



SITE PLAN
1" = 10'

LEGEND

- Limit of Disturbance
- Straw Bail Dike
- Stabilized Construction Entrance

LOT:
30

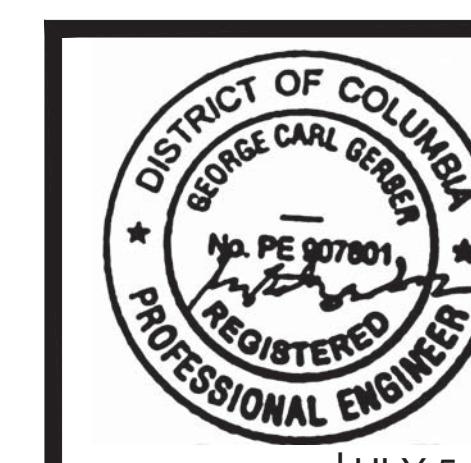
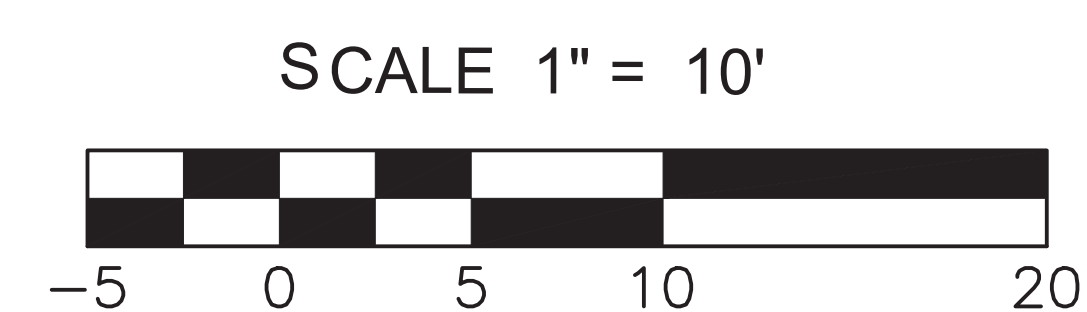
SQUARE:
1570

SITE INFORMATION:

Limit of Disturbance - 1451 SF
Fill - 0 CF
Cut - 1451 SF

NOTES:

1. No Change in Grade Elevation/Contour
2. Install Tree Protection Fences at all Trees as Required.



4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016

Owners:
Nick Alten

Engineer:
Better Space LLC
4511 Chesapeake St NW
Washington DC

REVISIONS	ITEM	DATE	DESCRIPTION	PER COMMENTS
	A	6-30-2016		

sheet name:
SOIL EROSION PLAN

ES003

Permit #: Address: 4511 CHESAPEAKE ST NW
 Compliance Approach Used: Prescriptive Trade Off Performance
 Project Type: New Building Addition Level 3 Alteration

Key: Mandatory for all Compliance Approaches as Relevant to the Scope of Work

2012 IECC Section #	Pre-Inspection Section Description	Prescriptive Code Value	Plan Value	Designer Identified Dwg Page	Plan Review	Field Insp.
302.1, 403.6 MR	Heating and Cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J	N/A	N/A	M-1		
2012 IECC Section #	Foundation Inspections	Prescriptive Code Value	Plan Value	Identified Dwg Page	Plan Review	Field Insp.
402.1.1 SR	Slab insulation R-value. Perimeter insulation extending downward from the top of the slab surface	Unheated R-10 Heated R-15	R-15	A-6		
402.1.1 SR	Slab Insulation depth.	2 feet	2	A-6		
402.1.1 SR	Conditioned basement wall insulation R-value. Where internal insulation is used, verification to occur during insulation inspection	Continuous R-10 Cavity: R-13	N/A	N/A		
303.2 I	Conditioned basement wall insulation installed per manufacturer instructions.	N/A	N/A	N/A		
402.2.8 SR	Conditioned basement wall insulation depth of burial or distance from top of wall.	10 ft or to bmt. floor	N/A	N/A		
402.2.10 SR	Unvented crawspace wall insulation R-value	Continuous: R-10 Cavity: R-13	N/A	N/A		
303.2 I	Unvented crawspace installed per manufacturer's instructions	N/A	N/A	N/A		
402.2.10 SR	Unvented crawspace continuous vapor retarder installed over exposed earth, joints overlapped by 6 in. and sealed, extending at least 6 in. up and attached to the wall.	Continuous R-10 Cavity: R-13	N/A	N/A		
402.2.10 SR	Unvented crawspace wall insulation depth of burial or distance from top of wall	To finished grade +24 in. vert. & / or horiz.	N/A	N/A		
303.2.1 S	A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade.	N/A	N/A	N/A		
403.8 ER	Snow and ice-melting system controls installed.	N/A	N/A	N/A		

2012 IECC Section #	Framing/ Rough-In Inspection	Prescriptive Code Value	Plan Value	Designer Identified Dwg Page	Plan Review	Field Insp.
303.1.3 I	U-factors of fenestration products are determined in accordance with the NFRC or the default table values.		NFRC	A-1		
402.1.1, 402.3.3, 402.3.6 SR	Skylight U-factor	U-0.55 (15 square foot exemption)	0.46	A-2		
402.1.1, 402.3.3, 402.3.6 SR	Skylight SHGC	SHGC: 0.30 (0.5 max w/ tradeoff, 15ft ² exempt)	0.27	A-2		
303.1.3 I	SHGC values were determined in accordance with the NFRC or the default table values.		NFRC			
402.1.1 SR	Mass wall exterior insulation R-value.	R-13 Interior R-8 Exterior	N/A	N/A		
303.2 I	Mass wall exterior insulation installed per manufacturer's instructions.	N/A	N/A	N/A		
402.3.5 SR	Fenestration in thermally isolated sunrooms has a max U-factor of 0.45. All other sunroom fenestration must meet code requirements.	Not Isolated 0.35 Isolated: 0.45	N/A	N/A		
402.3.5 SR	Skylights in thermally isolated sunrooms has a max U-factor of 0.7. All other sunroom skylights must meet code requirements.	Not Isolated 0.55 Isolated: 0.7	N/A	N/A		
402.4.1.2 SR	Additions, alterations, renovations and repair shall be completed in accordance with Table 402.4.1.1.	Not Isolated 0.55 Isolated: 0.7	N/A	N/A		
402.4.1.1 I	Air and Thermal Barrier installed per Manufacturer's instructions.		N/A	A-1		
402.4.3 I	Fenestration is listed and labeled as meeting AAMA/WDMA/CSA 101/I.S. 2/A440 or does not exceed code limits per NFRC 400.	0.3 CFM/ft ²	0.3 CFM	A-1		
402.4.4 E	IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate ≤ 2.0 CFM leakage at 75 Pa.		2 CFM	E-1		
403.2.1 MR	Supply Ducts in attic are insulated to ≥ R-8. All other ducts in unconditioned spaces or outside the building envelope are ≥ R-6.	Attic: R-8 Other: R-6	N/A	N/A		
403.2.2 MR	All joints and seams of air ducts, air-handlers, and filter boxes are sealed.		N/A	N/A		
403.2.3 MR	Building cavities are not used as ducts or plenums.		N/A	N/A		
403.3 MR	HVAC piping carrying fluids > 105°F or fluids < 55°F are insulated to ≥ R-3.	HVAC Pipe ≥ R-3	R-3	M-1		
403.3.1 MR	Protection of insulation on HVAC piping.		N/A	N/A		
403.4.2 MR	Hot water pipes are insulated to ≥ R-3.		R-3	M-0		
403.5 MR	Auto./ gravity dampers install on all intakes/ exhausts.		N/A	N/A		

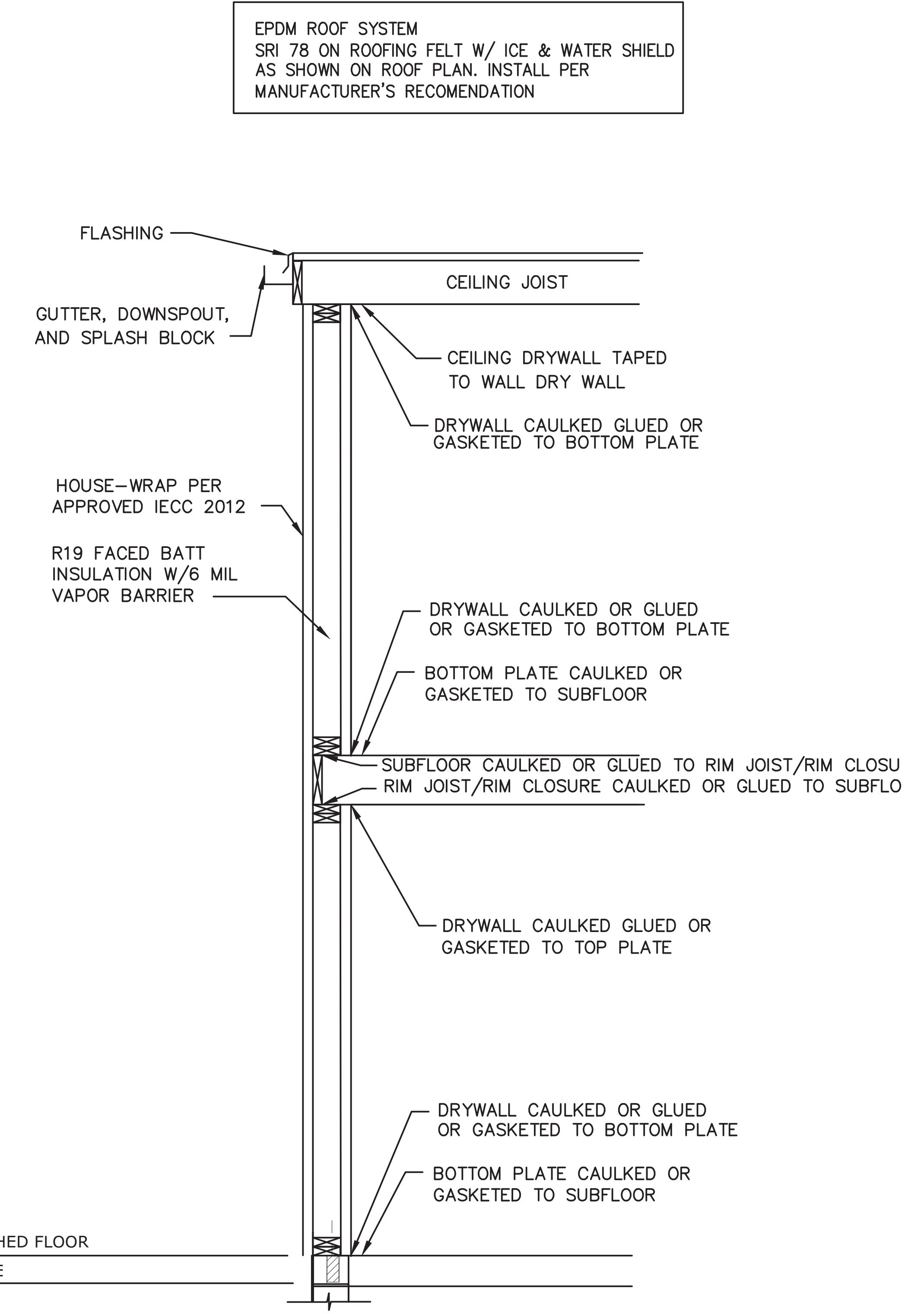
2012 IECC Section #	Insulation Inspections	Prescriptive Code Value	Plan Value	Designer Identified Dwg Page	Plan Review	Field Insp.
303.1 I	All installed insulation labeled or installed R-values provided.		N/A	M-1		
402.1.1, 402.2.6 SR	Floor Insulation R-value	Wood: R-19 Steel: R-19+6	N/A	N/A		
303.2, 402.2.7 SR	Floor insulation installed per mfr instructions, and substantial contact with underside of floor.		N/A	N/A		
402.1.1, 402.2.5, 402.2.6 SR	Wall insulation R-value. If a mass wall with 1/2" insulation on the wall exterior, ext insulation applies.	Wood: R-20 or R-13+5 Mass: R-13 Int. R-8 Ext Steel: R19+8	R-13+5	A-6		
402.1.1 SR	Mass wall exterior insulation R-value.	R-13 Interior R-8 Exterior	N/A	N/A		
402.2.12 S	Walls of thermally isolated sunrooms have a min. R-13. All other sunrooms must meet code requirements.	Isolated: R13	N/A	N/A		
302.2 I	Sunroom walls insulation installed per manufacturer's instructions.		N/A	N/A		
402.2.12 S	Ceilings of thermally isolated sunrooms have min. R-24. All other sunroom ceilings must meet code requirements	Isolated: R-24	N/A	N/A		
302.2 I	Sunroom ceiling insulation installed per manufacturer's instructions.		N/A	N/A		
2012 IECC Section #	Final Inspections	Prescriptive Code Value	Plan Value	Identified Dwg Page	Plan Review	Field Insp.
402.2.1, 402.2.6 SR	Ceiling insulation R-value	Wood: R-49 Steel: U-0.026	R-49	A-6		
303.1.1, 303.2 I	Ceiling insulation installed per mfrs instructions. Blown ins. marked every 300ft ²		R-49	A-6		
402.2.3 SR	Baffle over air permeable insulation adjacent to soffit and eave vents.		N/A	N/A		
402.2.4 SR	Attic access hatch and door insulation ≥ R-value of adjacent assembly.	≥ R-value of adjacent assembly	N/A	N/A		
402.4.1.2 I	Blower door test @ 50 Pa ≤ 5 Air Changes per Hour. Applies to Level 3, Gut Rehab, New	ACH50 ≤ 5.0	5.0	A-1		
402.4.2 I	Wood burning fireplaces have tight fitting flue dampers and outdoor air for combustion.		N/A	N/A		
403.2.2 I	Total Duct leakage test ≤ 8 CFM/100 ft ² with air-handler installed.	≤ 8 CFM/100 ft ²	8	M-1		
403.2.2.1 I	Air-handler leakage designed by mfr. at ≤ 2% of air-flow.		N/A	M-1		
403.6 I	HVAC equipment type and capacity as per plans.		N/A	M-1		
403.1.1 MR	Programmable thermostats installed on forced air furnace		N/A	M-1		
403.1.2 MR	Heat pump thermostat installed on heat pumps.		N/A	M-1		
403.4.1 MR	Circulating hot water systems have auto. or accessible manual controls.		N/R	M-1		
404.1 ER	75% lamps in permanent fixtures or 75% permanent fixtures use high effc. lamps		N/R	E-1		

DCRA Energy Verification Sheet

Low-Rise Residential

Version 1.0_2014

This Energy Verification Sheet is based on DOE's Store and Score spreadsheets and was adapted to fit the 2013 DC Energy Conservation Code. This verification sheet does not replace the 2013 DC ECC or 2012 IECC and is included for DCRA to verify significant requirements during permitting and inspection. The project team shall design and install the building to the full energy code whose measures specific to the project may not be included in this sheet. The project team shall also include this document into their drawings and fill it in for low-rise residential projects completing Level 3 Alterations or new construction. Elements that are not applicable to the scope of work shall be marked "N/A" in the "Designer Identified Drawing Page # & Plan Value" columns. Elements that are applicable shall be marked with the relevant page number where the item is specified in the drawings. Exemptions to items on this sheet shall be indicated so that plan reviewers and inspectors may verify compliance by code section number references and brief description. Projects using the Performance Path need to fill in only the highlighted, mandatory rows. Other Compliance Approaches require filling in all rows. Completion of this page does not absolve project teams from providing other energy verification documentation.



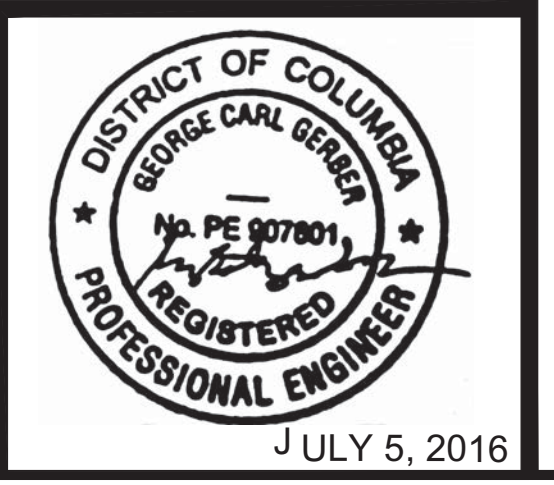
TYPICAL
 AIR SEALING DETAIL
 NOT TO SCALE

4511 CHESAPEAKE ST NW
 WASHINGTON, DC 20016

Owners:
Nick Alten
 Engineer:
Better Space LLC
 4511 Chesapeake St NW
 Washington DC

REVISIONS	ITEM	DATE	DESCRIPTION	PER COMMENTS
	A	6-30-2016		

sheet name:
 ENERGY VERIFICATION
EV003
 16 OF 20



HAZADOUS GLAZING LOCATIONS R308

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

- 1 - GLAZING IN SWINGING DOORS EXCEPT JALOUSIES.
- 2 - GLAZING IN FIXED AND SLIDING PANELS OF SLIDING DOOR ASSEMBLIES AND PANELS IN SLIDING AND BIFOLD CLOSET DOOR ASSEMBLIES.
- 3 - GLAZING IN STORM DOORS.
- 4 - GLAZING IN ALL UNFRAMED SWINGING DOORS.
- 5 - GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS AND SHOWERS. GLAZING IN ANY PART OF A BUILDING WALL ENCLOSING THESE COMPARTMENTS WHERE THE BOTTOM EDGE IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING G OR WALKING SURFACE.
- 6 - GLAZING, IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH ARC OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING SURFACE.
- 7 - GLAZING IN AN INDIVIDUAL OR FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS 5 AND 6 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
 - A. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ. FT.
 - B. BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR.
 - C. TOP EDGE GREATER THAN 36 INCHES ABOVE THE FLOOR.
 - D. ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE GLAZING.
- 8 - ALL GLAZING IN RAILING REGARDLESS OF AN AREA OR HEIGHT ABOVE A WALKING SURFACE. INCLUDED ARE STRUCTURAL BALUSTER PANELS AND NONSTRUCTURAL IN-FILL PANELS.
- 9 - GLAZING ADJACENT TO STAIRWAYS, LANDING AND RAMPS WITHIN 36 INCHES HORIZONTALLY OF A WALKING SURFACE WHEN THE EXPOSED SURFACE OF TRUE GLASS IS LESS THEN 60 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE.
- 10 - GLAZING ADJACENT TO STAIRWAYS WITHIN 60 INCHES HORIZONTALLY OF THE BOTTOM TREAD OF A STAIRWAY IN ANY DIRECTION WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60 INCHES ABOVE THE NOSE OF THE TREAD.

EXCEPTIONS

THE FOLLOWING PRODUCTS, MATERIALS AND USES ARE EXEMPT FROM THE ABOVE HAZARDOUS LOCATIONS:

- 1 - OPENING IN DOORS THROUGH WHICH A 3-INCH SPHERE IS UNABLE TO PASS.
- 2 - DECORATIVE GLASS IN ABOVE ITEMS 1, 6 OR 7.
- 3 - GLAZING IN ABOVE ITEM 6, WHEN THERE IS AN INTERVENING WALL OR OTHER PERMANENT BARRIER BETWEEN THE DOOR AND GLAZING.
- 4 - GLAZING IN ABOVE ITEM 6, IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION OR WHERE ACCESS THROUGH THE DOOR IS TO A CLOSET OR STORAGE AREA 3 FEET OR LESS IN DEPTH.
- 5 - GLAZING IN ABOVE ITEMS 7 AND 10, WHEN A PROTECTIVE BAR IS INSTALLED ON THE ACCESSIBLE SIDE(S) OF THE GLAZING 36 INCHES + 2 INCHES ABOVE THE FLOOR. THE BAR SHALL BE CAPABLE OF WITHSTANDING A HORIZONTAL LOAD OF 50 LBS. PER LINEAR FT. WITHOUT CONTACTING THE GLASS AND BE A MINIMUM OF 1-1/2 INCHES IN HEIGHT. 6 - OUTBOARD PANES IN INSULATING GLASS UNITS AND OTHER MULTIPLE GLAZED PANELS IN ABOVE ITEM 7 WHEN THE BOTTOM EDGE OF THE GLASS IS 25 FT OR MOVE ABOVE GRADE, A ROOF, WALKING SURFACE, OR OTHER HORIZONTAL (WITHIN 45 DEGREES OF HORIZONTAL) SURFACE ADJACENT TO THE GLASS EXTERIOR.
- 7 - LOUVERED WINDOWS AND JALOUSIES COMPLYING WITH THE REQUIREMENTS OF R308.2.
- 8 - MIRRORS AND OTHER GLASS PANELS MOUNTED OR HUNG ON A SURFACE THAT PROVIDES A CONTINUOUS BACKING SUPPORT.
- 9 - SAFETY GLAZING IN ABOVE ITEMS 10 AND 11 IS NOT REQUIRED WHERE:
 - A. THE SIDE OF A STAIRWAY, LANDING OR RAMP HAS A GUARDRAIL OR HANDRAIL, INCLUDING BALUSTERS OR IN-FILL PANELS, COMPLYING WITH THE PROVISIONS OF SECTIONS 1012 AND 1607.7 OF THE IBC.
 - B. THE PLANE OF THE GLASS IS GREATER THAN 18 INCHES FROM THE RAILING.

ATTIC VENTILAION

ENCLOSED ATTIC TRUSSES SPECIES AND ENCLOSED ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE WITH SCREENED VENTILATING OPENING PROTECTED AGAINST THE ENTRANCE OF MOISTURE AND RAIN IN ACCORDANCE WITH THE 2015 IRC, LATEST EDITION AND ALL STATE LOCAL CODES.

4511 CHESAPEAKE ST NW
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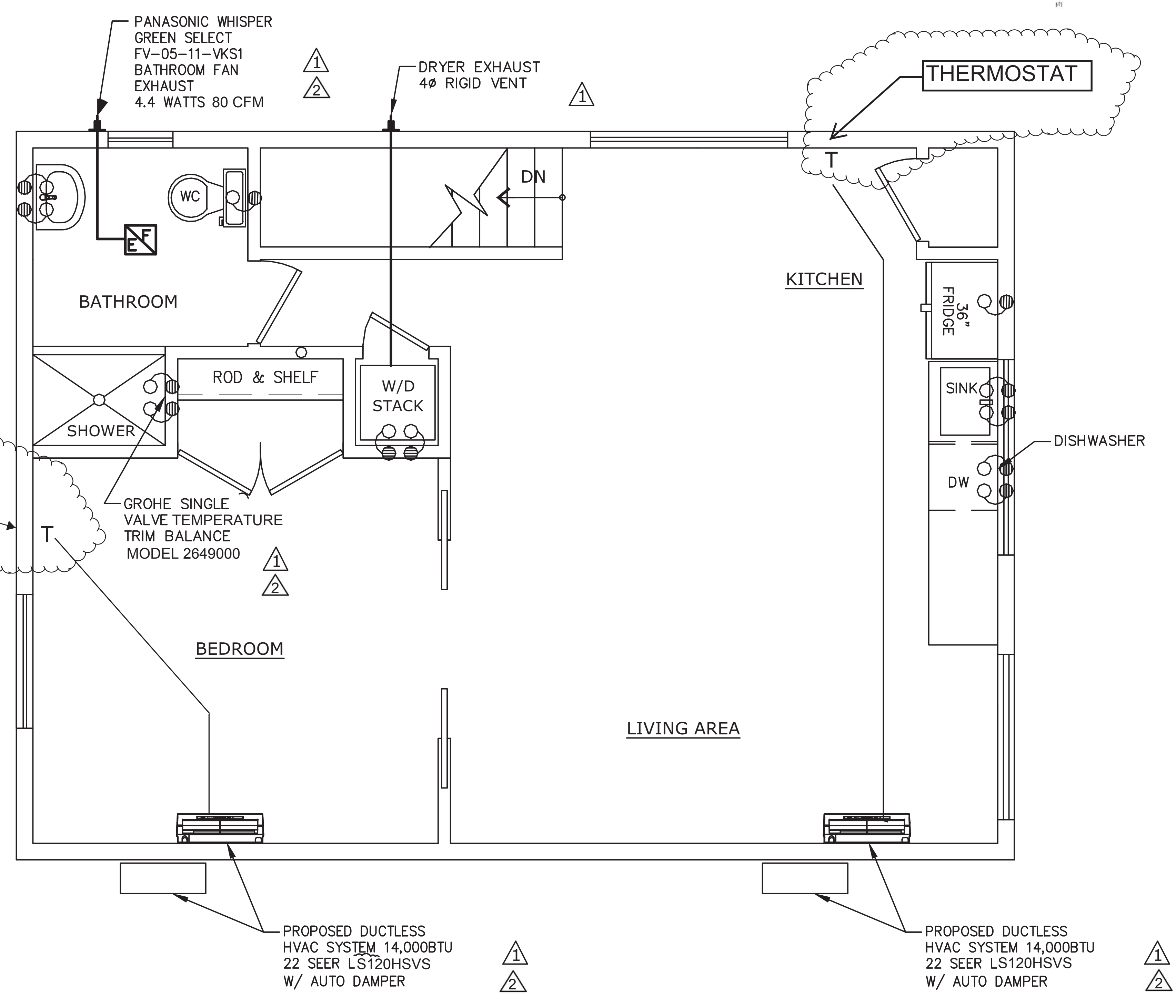
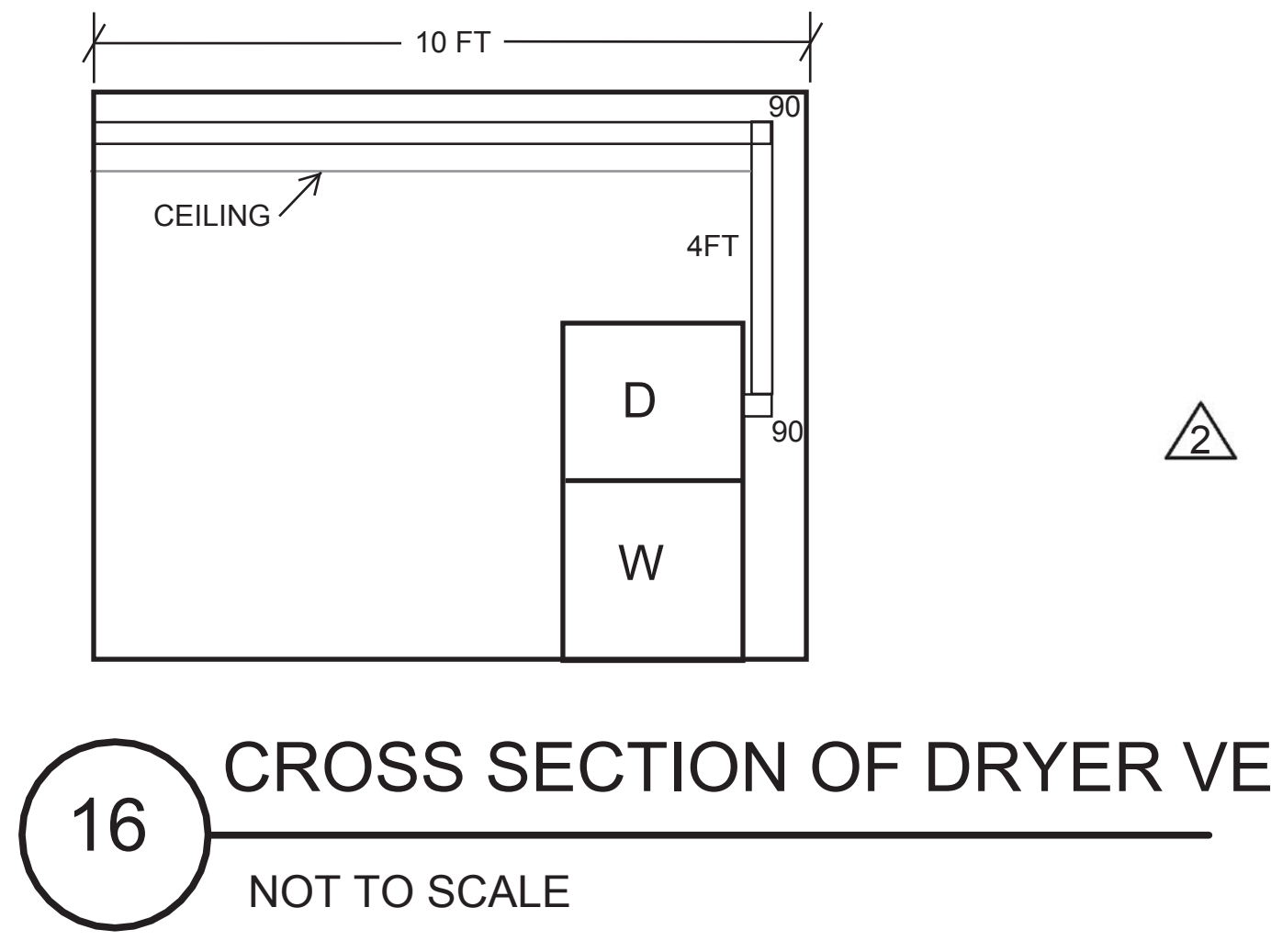
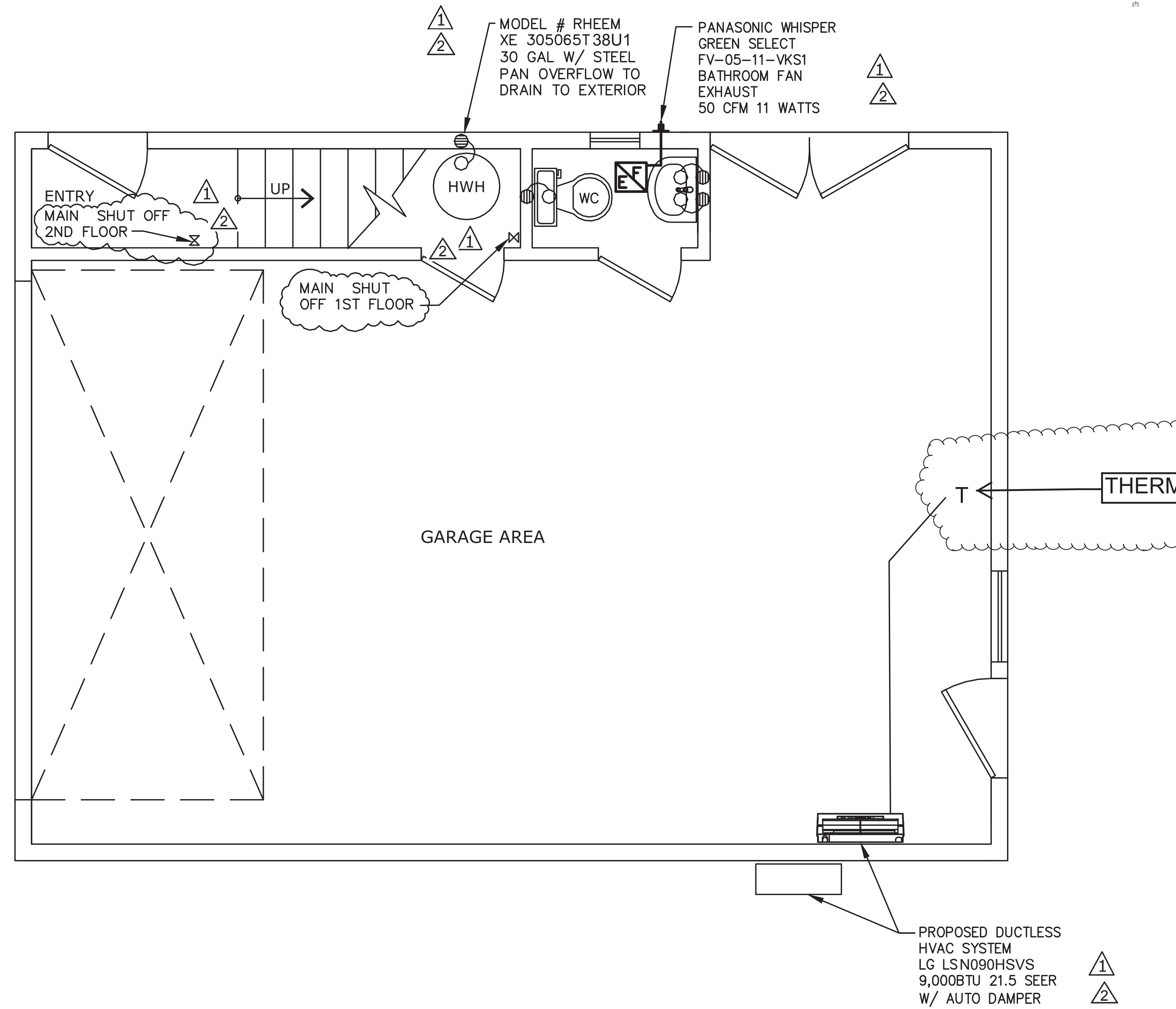
Owners:
Nick Alten

Engineer:
Better Space
LLC
4511
Chesapeake St
NW
Washington
DC

REVISIONS	ITEM	DATE	DESCRIPTION
	A	6-30-2016	PER COMMENTS

sheet name:
SPECIFICATIONS

G0003



4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016

Owners:
Nick Alten

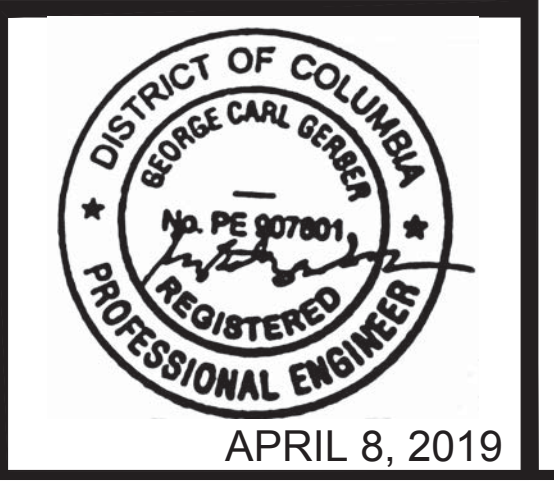
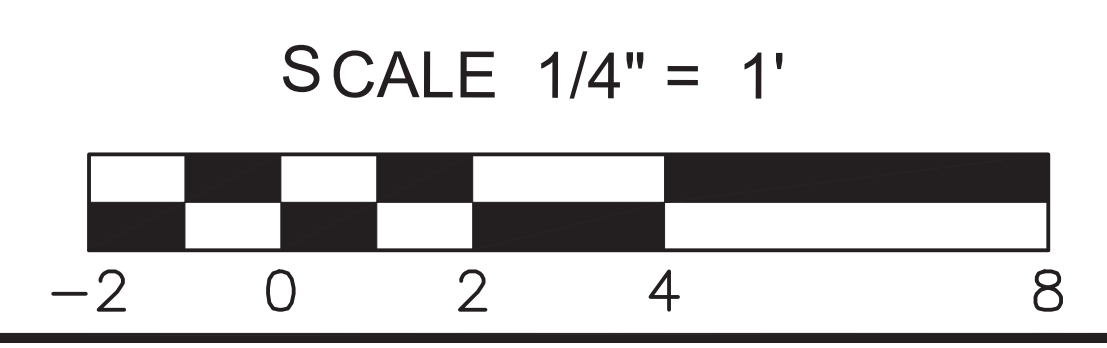
Engineer:
Better Space LLC

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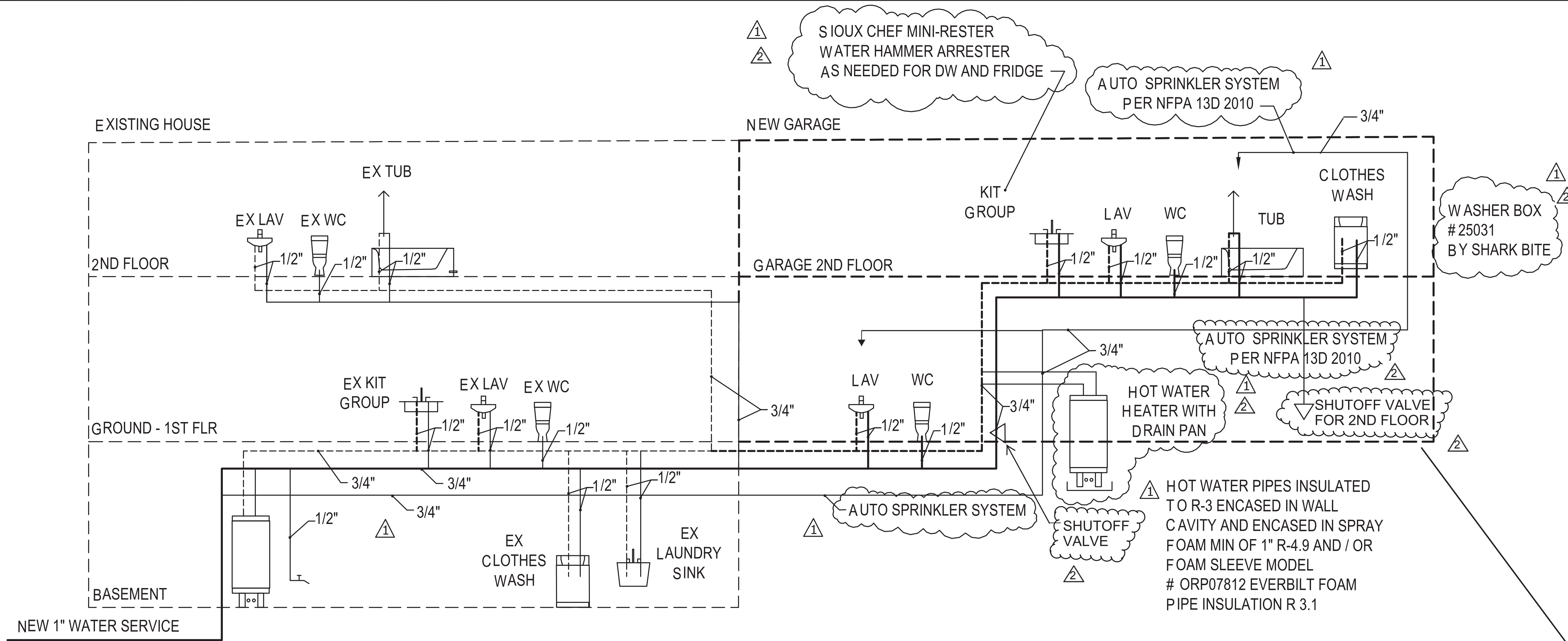
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2	A	04-08-2019	PER COMMENTS
3	A	06-14-2019	PER COMMENTS

sheet name:
MECHANICAL PLANS

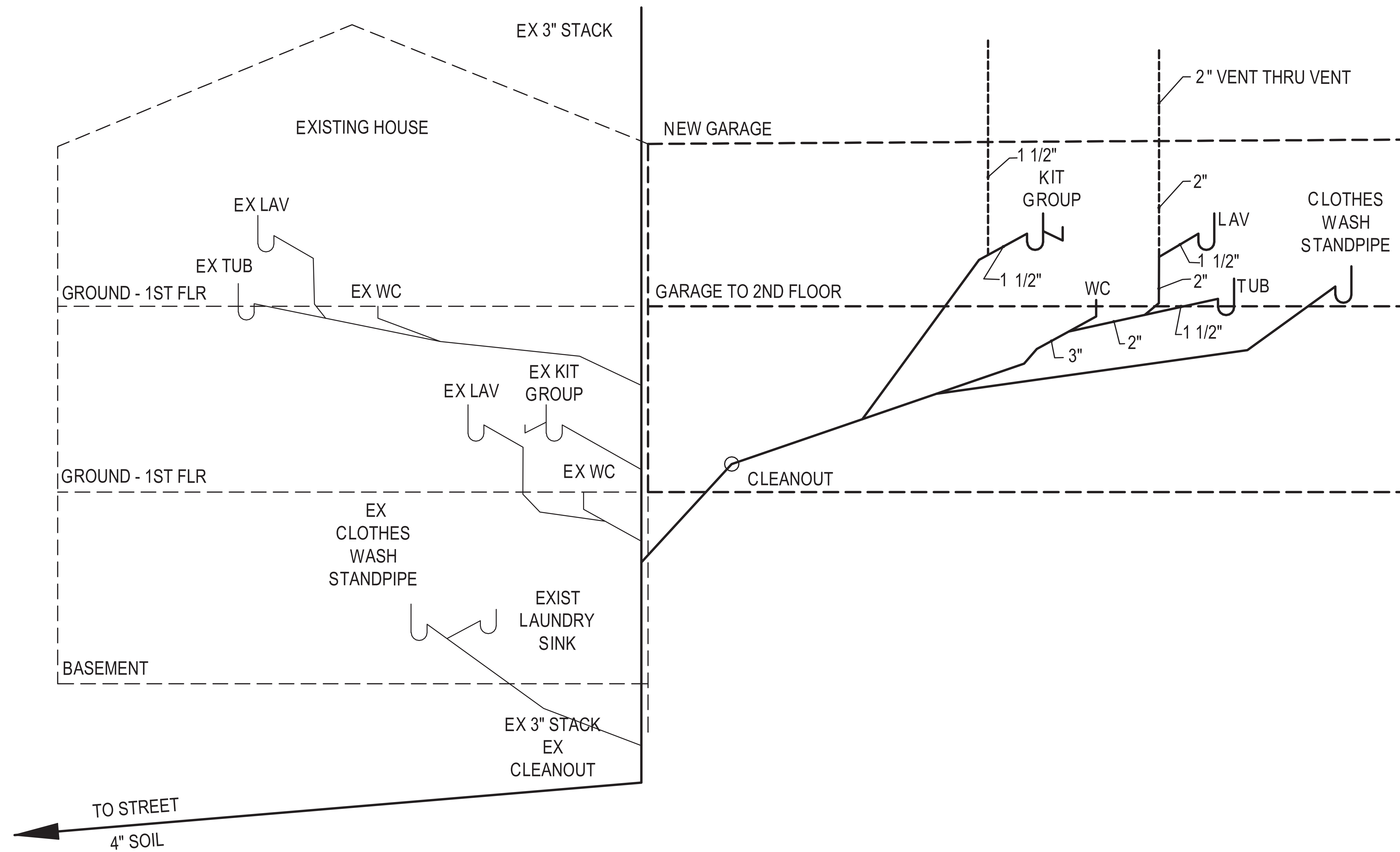
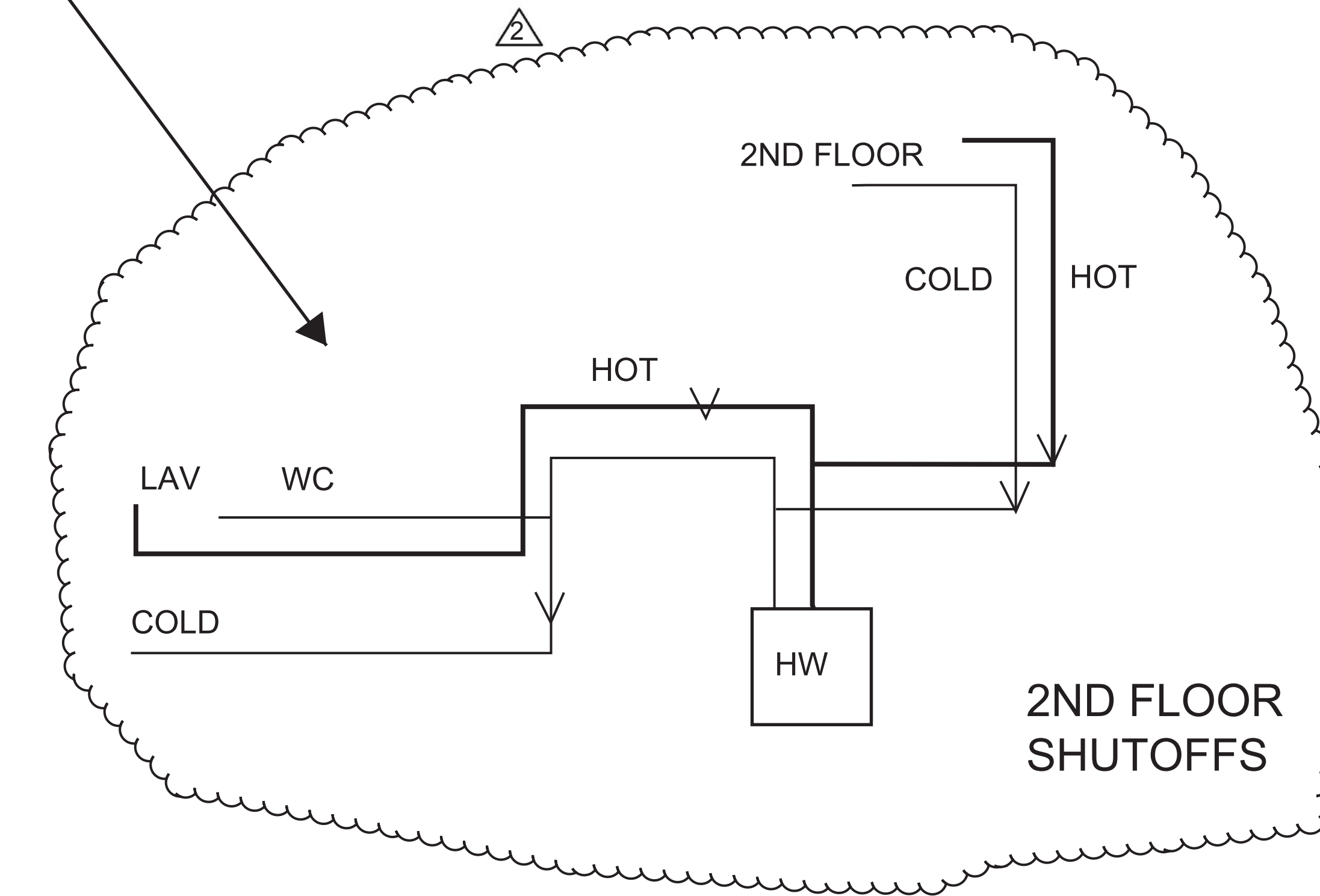
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APRIL 8, 2019



WATER SUPPLY RISER DIAGRAM
NTS



WASTE-VENT RISER DIAGRAM
NTS

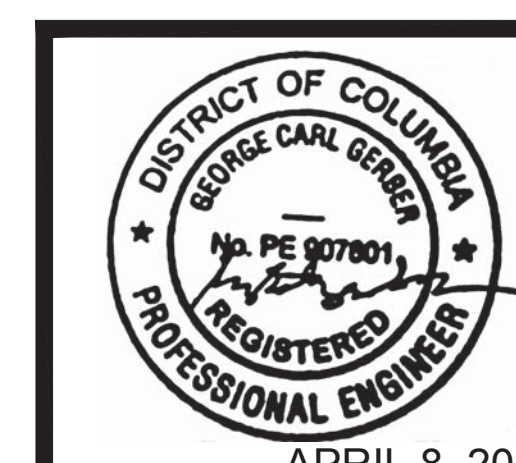
4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016

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Nick Alten
Engineer:
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Washington DC

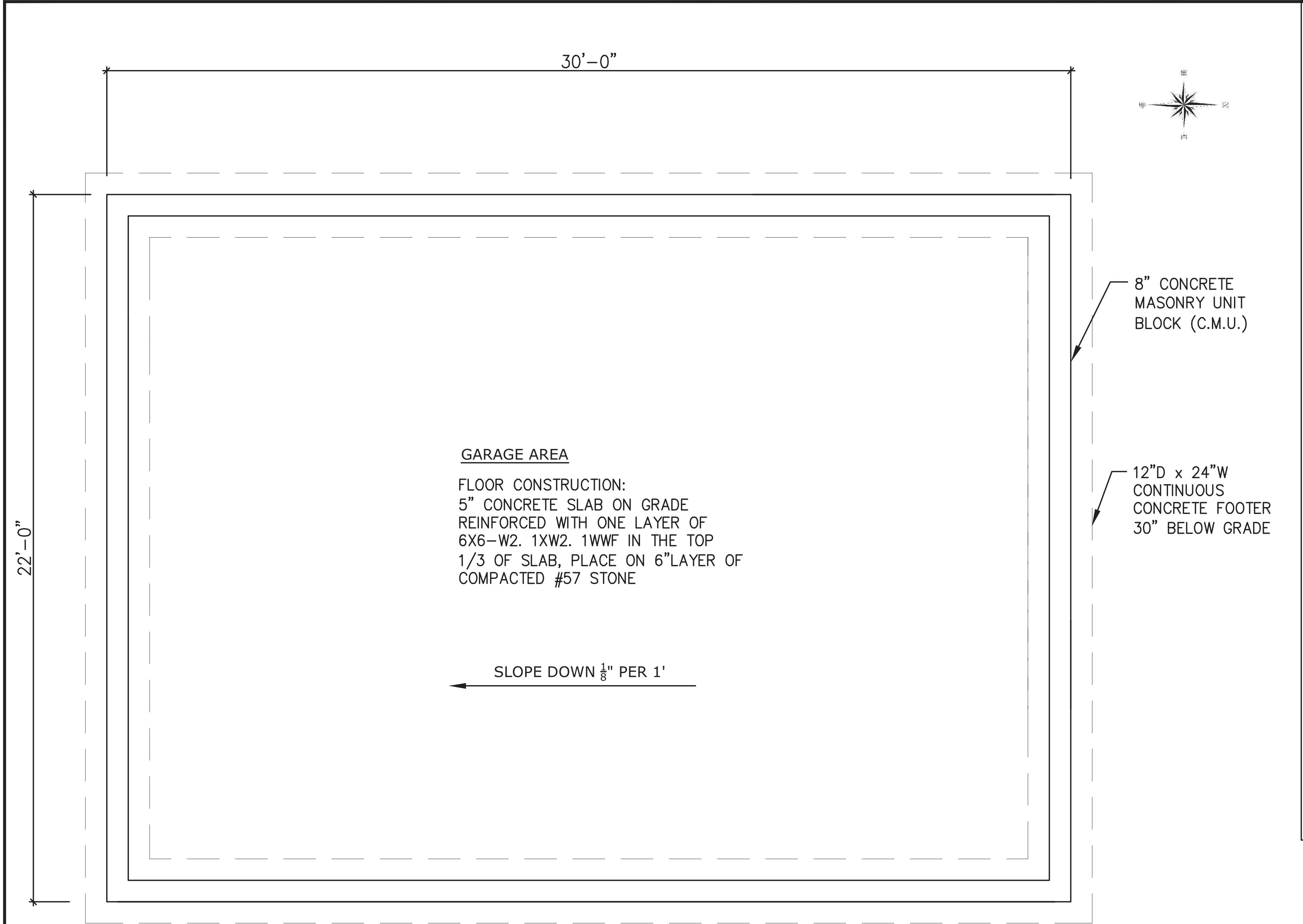
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2	Δ	04-08-2019		

sheet name:
RISER DIAGRAMS

P0001



APRIL 8, 2019

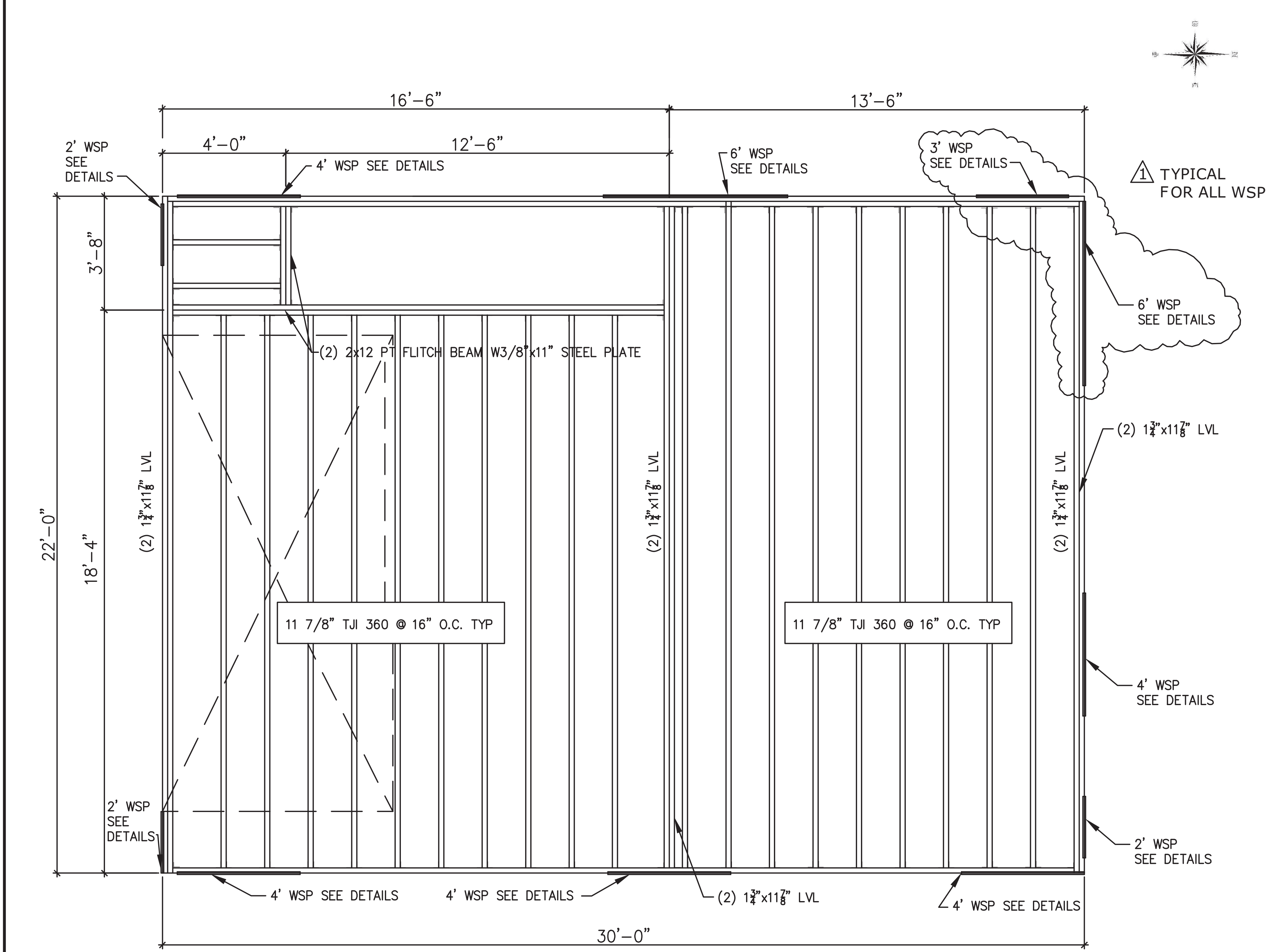


16 FOUNDATION PLAN
SCALE: 1/4"=1'-0"

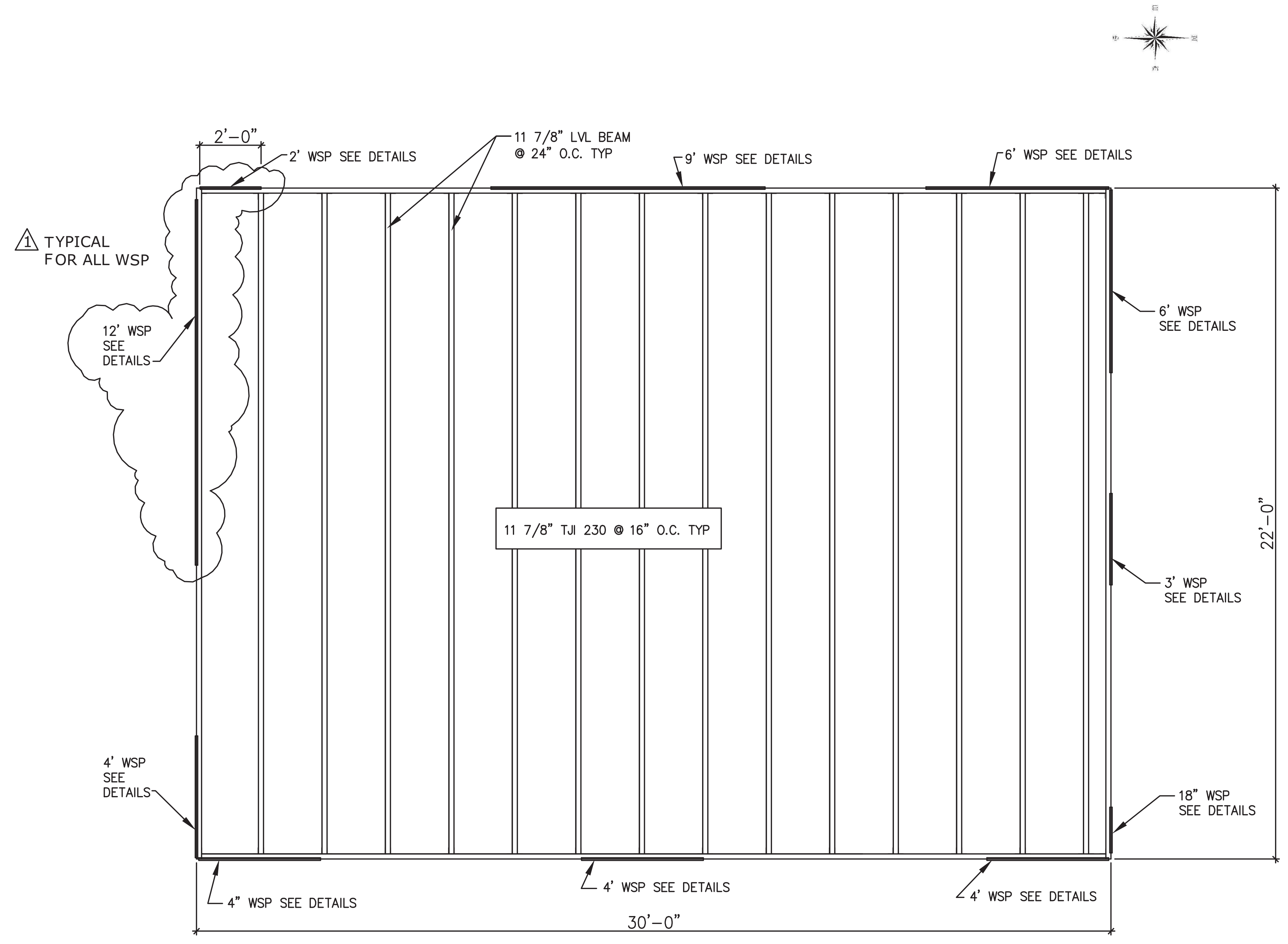
GEORGE C. GERBER, P.E.
Consulting Engineer
1309 Ballantrae Court
McLean, Virginia 22101
(703) 442-0309
(703) 821-8873 Fax

STRUCTURAL NOTES

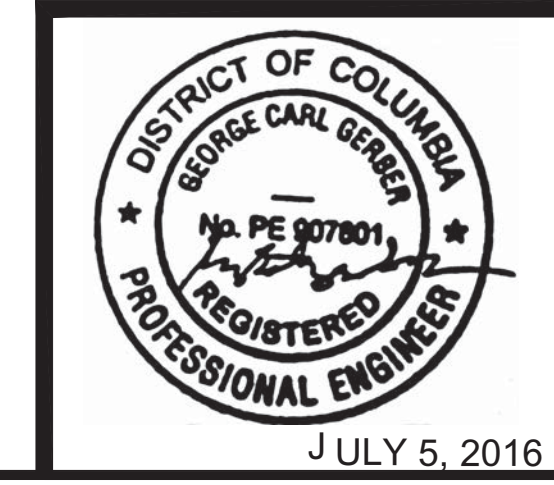
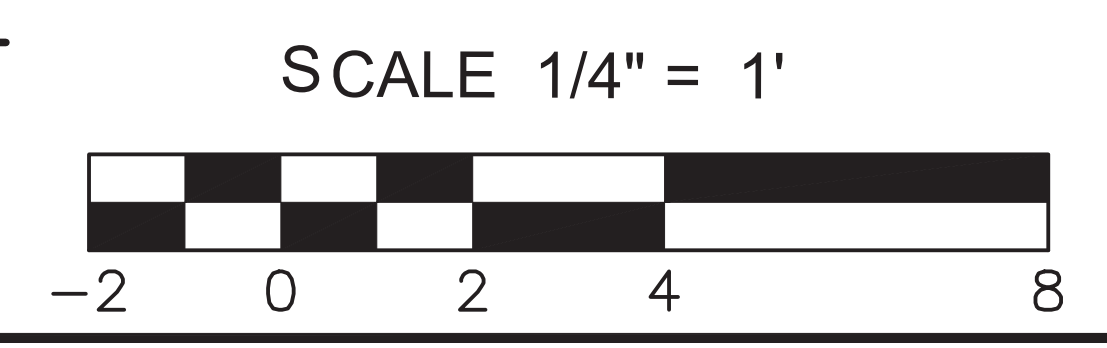
1. USE DISTRICT OF COLUMBIA BUILDING CODE - IRC 2012 WITH LATEST AMMENDMENTS.
2. LOADS- LIVE -FLOOR RESIDENTIAL 40 PSF; ROOF - 30 PSF, SNOW; WIND - 90 MPH, EXPOSURE B, IMPORTANCE 1; WIND BRACING BY CONTINUOUS SHEATHING METHOD AND PORTAL FRAME.
3. FOUNDATIONS ARE DESIGNED FOR A SOIL BEARING PRESSURE OF 1500 PSF. FOOTING BOTTOMS SHALL BE 30" BELOW GRADE OR 12" INTO NATURAL SOIL WHICHEVER IS GREATER.
4. CONCRETE SHALL BE 3000 PSI @ 28 DAYS. REINFORCING STEEL SHALL BE CONCRETE - 3000 PSI @ 28 DAYS. REINFORCING STEEL ASTM A615 GRADE 60. USE ACI STANDARDS.
5. FRAMING LUMBER SHALL BE STRUCTURAL GRADE, Fb = 1200 PSI MINIMUM. ANY LUMBER WITHIN 8" OF SOIL SHALL BE PRESSURE TREATED. WIND BRACING PANELS SHALL BE 1/2" PLYWOOD, WIDTH AS SHOWN ON THE DRAWINGS BY STORY HEIGHT. NAIL ALL EDGES WITH 8D NAILS @ 6" CENTERS AND 12" CENTERS ON INTERMEDIATES. ROOF RAFTERS SHALL HAVE HURRICANE CLIPS.
6. MANUFACTURED LUMBER, LVL'S SHALL HAVE Fb = 2650 PSI, E = 1.9MPSI. USE MANUFACTURER'S STANDARDS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD MEASUREMENTS.



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



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



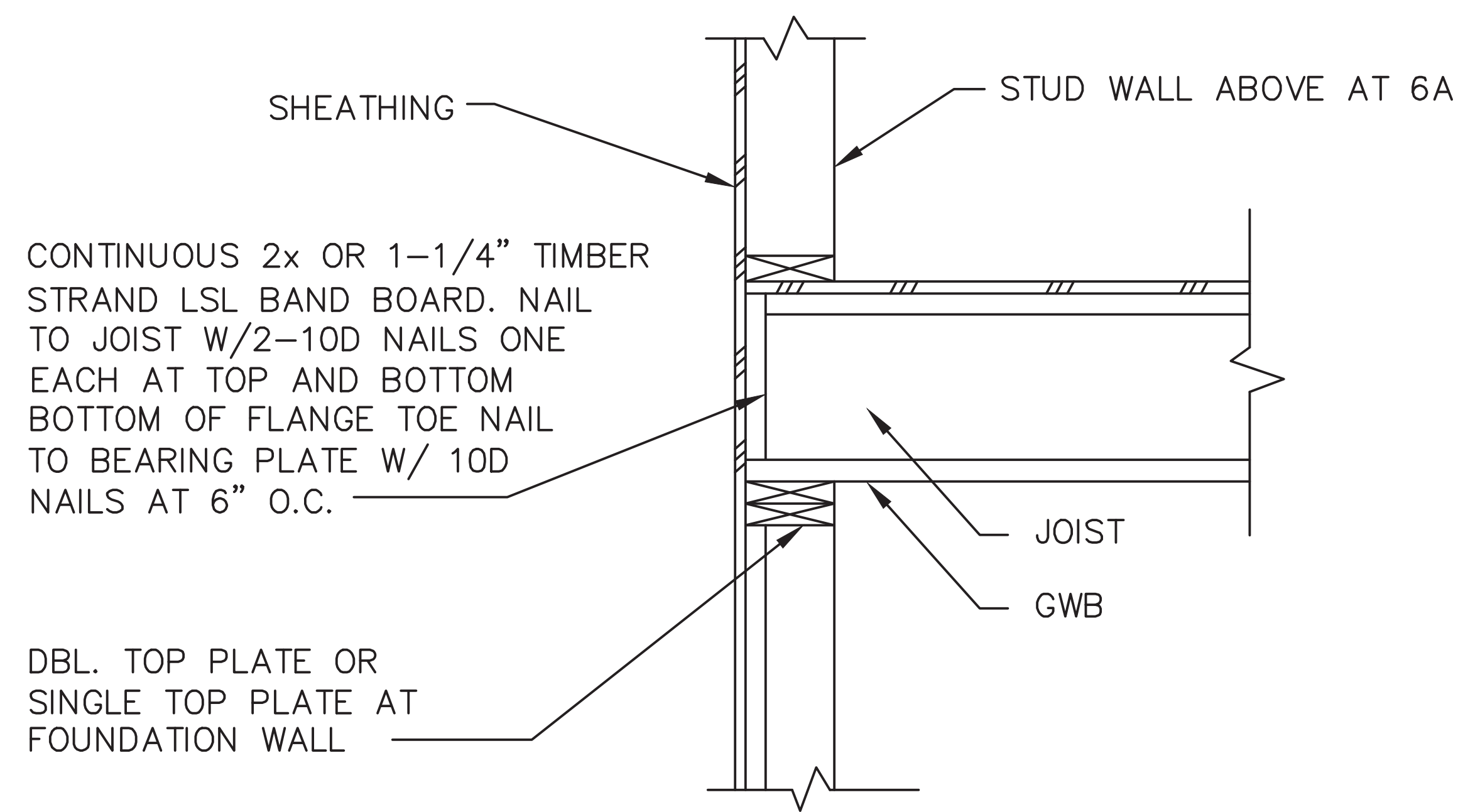
4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016

Owners:
Nick Alten
Engineer:
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4511 Chesapeake St NW
Washington DC

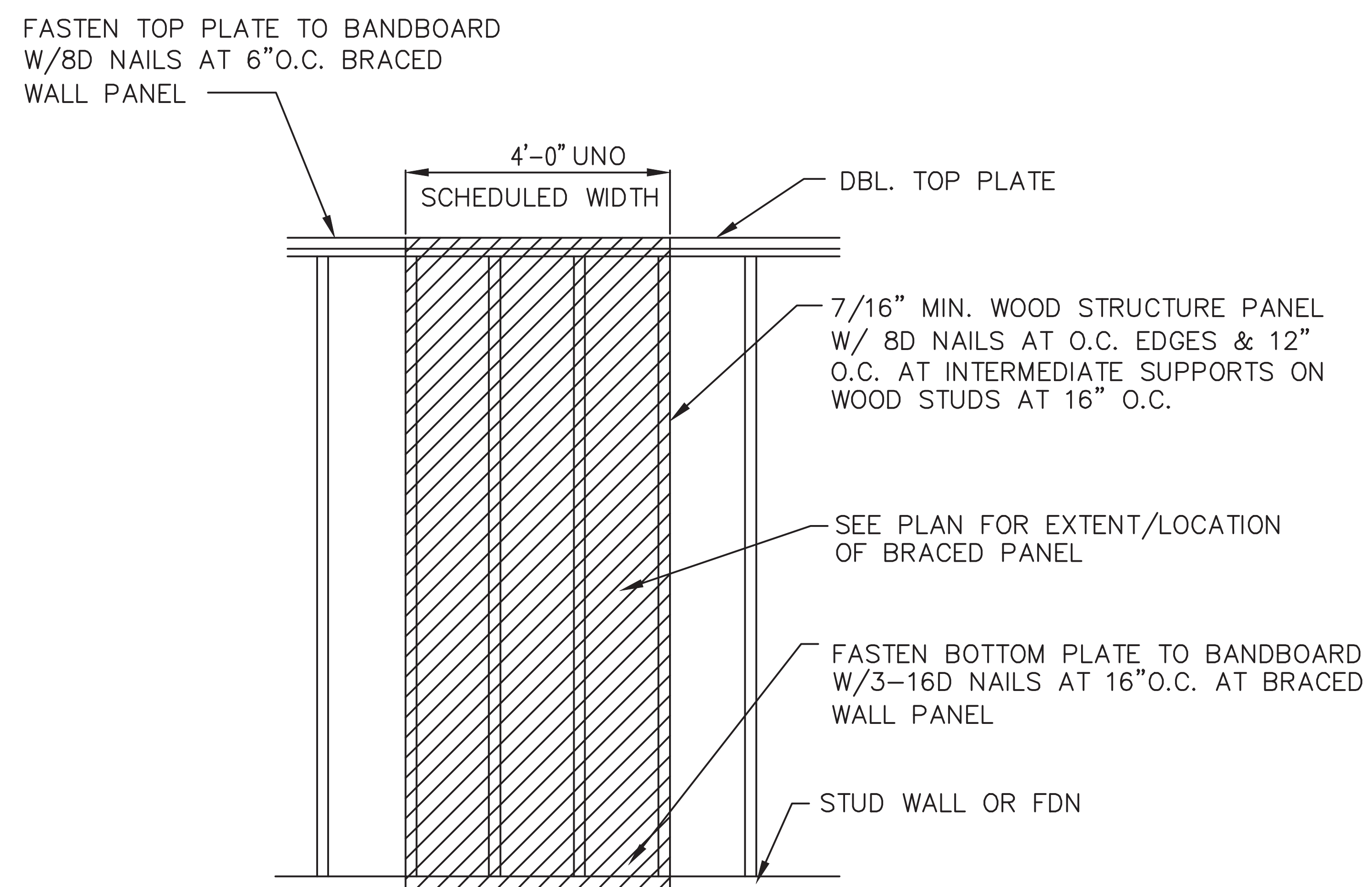
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	A	6-30-2016		

sheet name:
FOUNDATION & FRAMING

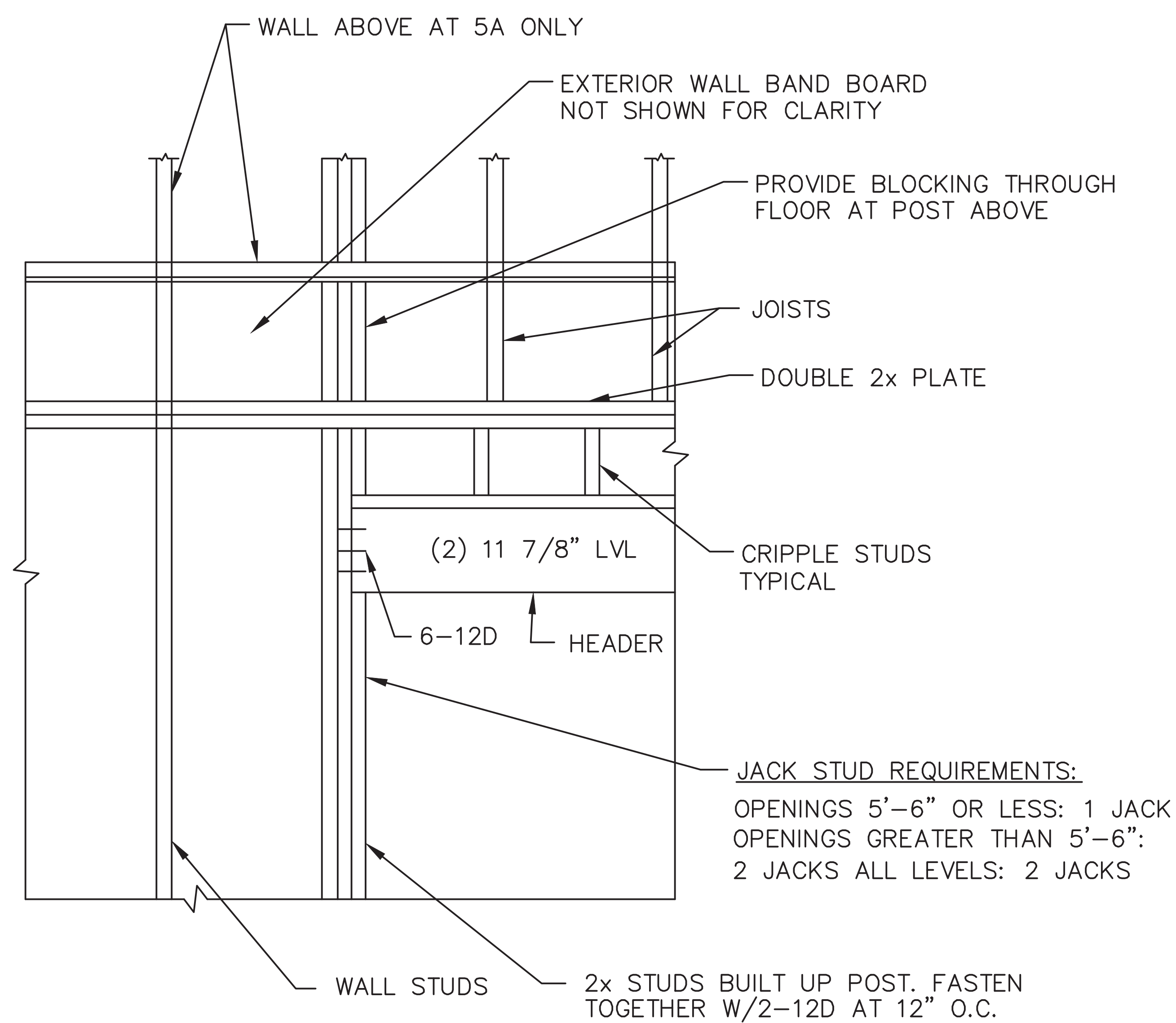
S0001
19 OF 20



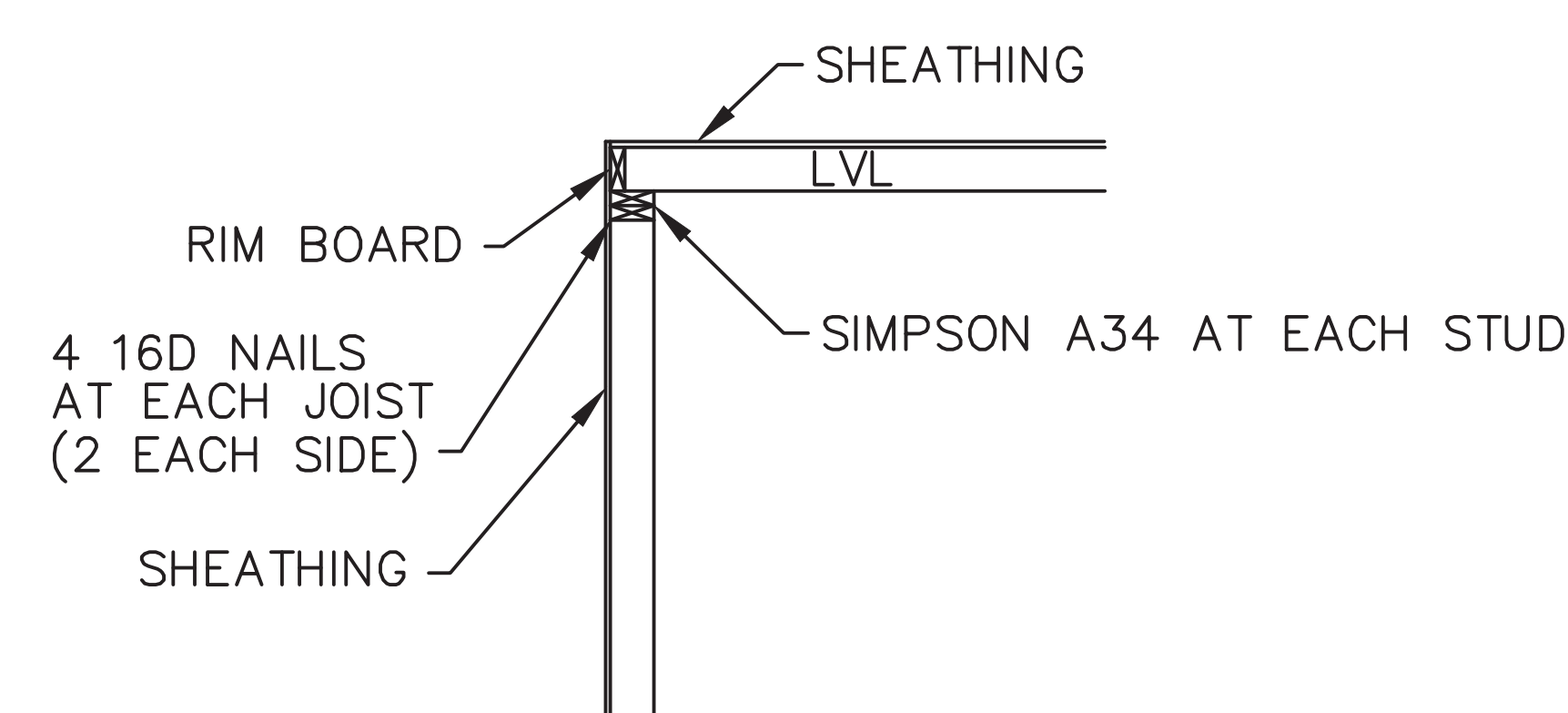
△ **JOIST AT EXTERIOR WALL**
NOT TO SCALE



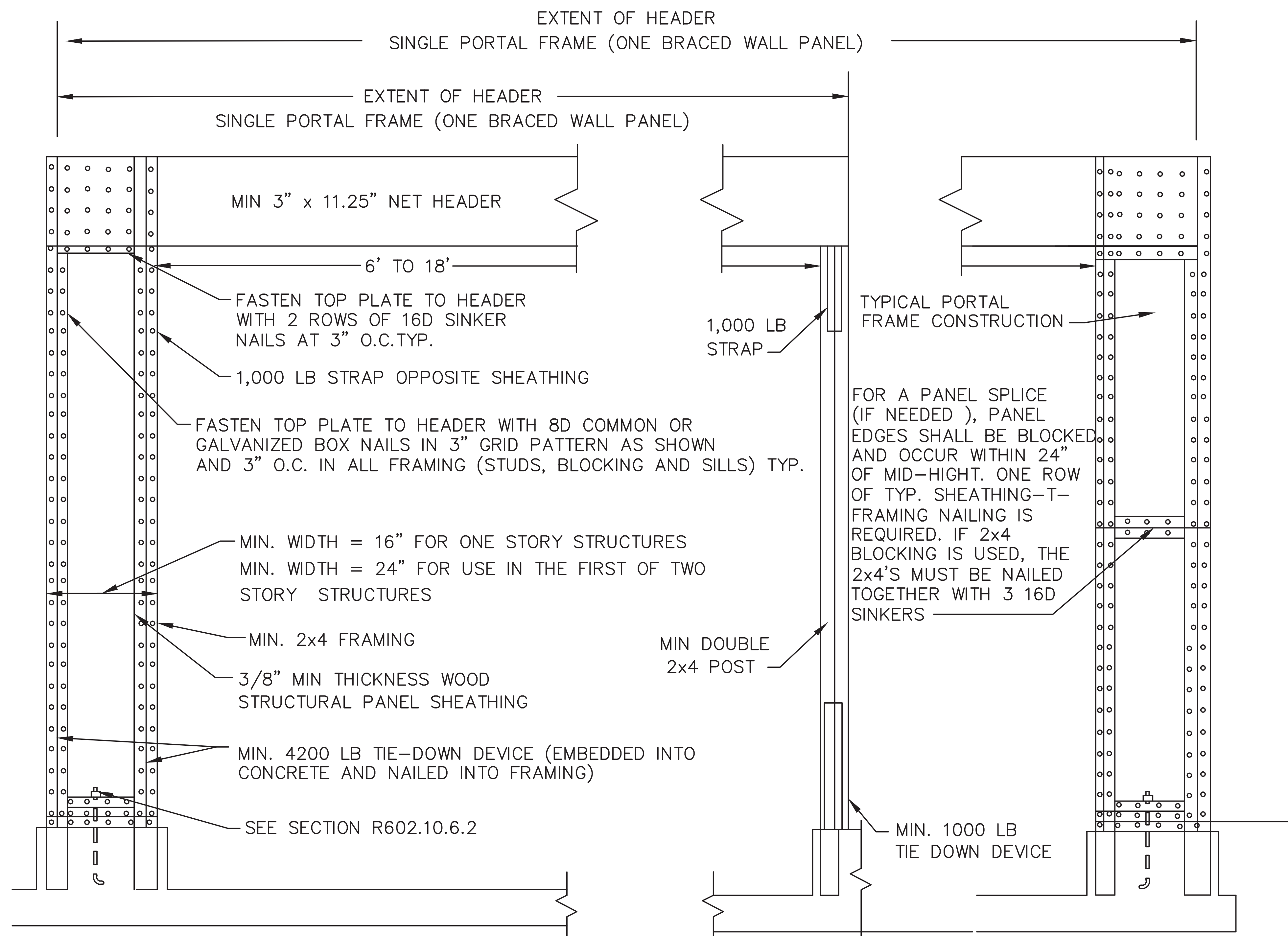
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NOT TO SCALE



△ **TYPICAL DROPPED HEADER AT OPENING**
NOT TO SCALE



△ **ROOF DETAIL**
NOT TO SCALE



△ **FIGURE 10.6.2**
ADJACENT TO A DOOR OR WINDOW OPENING
2012 INTERNATIONAL RESIDENTIAL CODE

4511 CHESAPEAKE ST NW
WASHINGTON, DC 20016

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	△	6-30-2016		

sheet name:
STRUCTURAL DETAILS

S0002

