

## ABBREVIATIONS:

AB	ANCHOR BOLT	L	LOW
ABV	ABOVE	LB	LINK BEAM
AC	AIR CONDITIONER	LBS	POUNDS
ACI	AMERICAN CONCRETE INSTITUTE	LB/FT	POUNDS PER FOOT
ADD'L	ADDITIONAL	LB/FT	POUNDS PER FOOT
ADJ	ADJACENT	LL	LONG
ADJ	ADJACENT	LL	LONG
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	LLRS	LATERAL LOAD RESISTING SYSTEM
AL	ALTERNATE	LLV	LONG LEG VERTICAL
ANCH	ANCHOR	LP	LOW POINT
ANG	ANGLE	LRFD	LOAD RESISTANCE FACTOR DESIGN
APPROX	APPROXIMATE	LT	LIGHT
ARCH	ARCHITECTURAL	LT	LIGHT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LT	LIGHT
AVG	AVERAGE	LT	LIGHT
AWG	AMERICAN WELDING SOCIETY	LT	LIGHT
B	BASE	LT	LIGHT
BETW	BETWEEN	LT	LIGHT
BF	BRACE FRAME	LT	LIGHT
BKT	BRICKET	LT	LIGHT
BL	BUILDING LINE	LT	LIGHT
BLDG	BUILDING	LT	LIGHT
BM	BEAM	LT	LIGHT
BOIT	BOTTOM	LT	LIGHT
BR	BRICK	LT	LIGHT
B/STL	BOTTOM OF STEEL	LT	LIGHT
BS	BOTH SIDES	LT	LIGHT
CANT	CANTILEVER	LT	LIGHT
CF	CUBIC FOOT	LT	LIGHT
CG	CENTER OF GRAVITY	LT	LIGHT
CIP	CAST IN PLACE	LT	LIGHT
CL	CENTER LINE	LT	LIGHT
CLG	CLEAR	LT	LIGHT
CM	CONSTRUCTION MANAGER	LT	LIGHT
CMU	CONCRETE MASONRY UNITS	LT	LIGHT
CONC	CONCRETE	LT	LIGHT
COND	CONDITION	LT	LIGHT
CONN	CONNECTION	LT	LIGHT
CONST	CONSTRUCTION	LT	LIGHT
CONT	CONTINUOUS	LT	LIGHT
CONTR	CONTRACTOR	LT	LIGHT
COORD	COORDINATE	LT	LIGHT
CORR	CORRUGATED	LT	LIGHT
CY	CUBIC YARD	LT	LIGHT
DEMO	DEMOLITION	LT	LIGHT
DEPT	DEPARTMENT	LT	LIGHT
DET	DETAIL	LT	LIGHT
DIA	DIAMETER	LT	LIGHT
DM	DIMENSION	LT	LIGHT
DIR	DIRECTION	LT	LIGHT
DN	DOWN	LT	LIGHT
DWG	DRAWING	LT	LIGHT
E	EAST	LT	LIGHT
EA	EACH FACE	LT	LIGHT
EF	ELEVATION	LT	LIGHT
EL	ELEVATION	LT	LIGHT
ELEV	ELEVATION	LT	LIGHT
EMBD	EMBEDMENT	LT	LIGHT
ENCL	ENCLOSURE	LT	LIGHT
EOR	ENGINEER OF RECORD	LT	LIGHT
EOS	EDGE OF SLAB	LT	LIGHT
EP	EMBEDDED PLATE	LT	LIGHT
EQ	EQUAL	LT	LIGHT
EQUIP	EQUIPMENT	LT	LIGHT
ETC	ETCETERA	LT	LIGHT
EW	EACH WAY	LT	LIGHT
EXIST	EXISTING	LT	LIGHT
EXP	EXPANSION	LT	LIGHT
EXT	EXTENSION	LT	LIGHT
FT	FOOT	LT	LIGHT
FTG	FOOTING	LT	LIGHT
GA	GAUGE	LT	LIGHT
GC	GALVANIZED	LT	LIGHT
GC	GENERAL CONTRACTOR	LT	LIGHT
GB	GRADE BEAM	LT	LIGHT
GRG	GRATING	LT	LIGHT
GYP, BD	GYPSON BOARD	LT	LIGHT
H	HIGH	LT	LIGHT
HDR	HEADER	LT	LIGHT
HGT	HEIGHT	LT	LIGHT
HORIZ	HORIZONTAL	LT	LIGHT
HP	HIGH POINT	LT	LIGHT
HOUR	HOUR	LT	LIGHT
HS	HIGH STRENGTH	LT	LIGHT
HVAC	HEAT, VENTILATION & AIR CONDITIONING	LT	LIGHT
ID	INSIDE DIAMETER	LT	LIGHT
IF	INTERIOR FACE	LT	LIGHT
INCL	INCLUDING	LT	LIGHT
INFO	INFORMATION	LT	LIGHT
INSUL	INSULATION	LT	LIGHT
JT	JOINT	LT	LIGHT
K	KIP (1000 POUNDS)	LT	LIGHT
KSF	KIPS PER SQUARE FOOT	LT	LIGHT
KSI	KIPS PER SQUARE INCH	LT	LIGHT

## CONTROLLED INSPECTIONS

(TERMINOLOGY PER CURRENT TR-1)	CURRENT REFERENCES	(PREVIOUS TERMINOLOGY)
SPECIAL INSPECTION	REFERENCES	"CONTROLLED INSPECTION"
STRUCTURAL STEEL – WELDING	1704.3.1	WELDING
STRUCTURAL STEEL – ERECTION & BOLTING	1704.3.3	HIGH – STRENGTH BOLTING
STRUCTURAL COLD – FORMED STEEL	1704.3.4	(NONE)
CONCRETE – CAST IN PLACE	1704.4	CONCRETE
CONCRETE – PRECAST	1704.4	CONCRETE – PRECAST
CONCRETE – PRESTRESSED	1704.4	CONCRETE – PRESTRESSED
CONCRETE TEST CYLINDERS* (TR2)	1905.6	CONCRETE TEST CYLINDERS
CONCRETE DESIGN MIX* (TR3)	1905.3	CONCRETE MIX DESIGN
MASONRY	1704.5	MASONRY
SOILS – SITE PREPARATION	1704.7.1	SUBGRADE
SOILS – FILL PLACEMENT & IN-PLACE DENSITY	1704.7.2 1704.7.3	CONTROLLED FILL
SOILS – INVESTIGATIONS (BORINGS/TEST PITS) (TR4)	1704.7.4	BORINGS / TEST PITS
PILE FOUNDATIONS & DRILLED PIER INSTALLATION (TR5)	1704.8	PIILING
PIER FOUNDATIONS	1704.9	(NONE)
UNDERPINNING	1704.9.1	UNDERPINNING
WALL PANELS, CURTAIN WALLS AND VENEERS (ATTACHMENT TO BUILDING)	1704.10	(NONE)
SPRAYED FIRE RESISTANT MATERIALS	1704.11	SPRAY – ON FIREPROOFING
STRUCTURAL SAFETY – STRUCTURAL STABILITY	1704.19	STRUCTURAL STABILITY
EXCAVATION – SHEETING, SHORING AND BRACING	1704.19 & 3304.1	SHORING & SHEETING
FIRESTOP, DRAFTSTOP AND FIREBLOCK SYSTEMS	1704.25	(NONE)
PROGRESS INSPECTION		
FOOTING AND FOUNDATION	109.3.1	SOIL BEARING PRESSURE
FINAL	28-116.2.4.2 & 109.3.1 AND DIRECTIVE 14-(1975)	FINAL INSPECTION

\* THESE TESTS MUST BE PERFORMED BY A LICENSED CONTRACT TESTING LAB.

## NOTES:

1. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SCOPE AND DETAILED REQUIREMENTS FOR INSPECTIONS.
2. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
3. REPORTS OF RESULTS SHALL BE SUBMITTED TO THE OWNER AND ARCHITECT FOR REVIEW. SIGNED COPIES OF ALL TESTS AND INSPECTION REPORTS SHALL BE FILED WITH THE BUILDING DEPARTMENT (THROUGH THE APPLICANT).
4. REPORTS SHALL STATE WHETHER RESULTS COMPLY WITH CONTRACT REQUIREMENTS, SUMMARIZE THE TYPE OF TEST, THE LOCATION OR COMPONENT TESTED, AND RECORD ANY REMEDIAL MEASURES REQUIRED. REPORT SHOULD NOTE ANY OTHER DEVIATIONS FROM THE CONTRACT DOCUMENTS.
5. FOR ITEMS OF WORK OF OTHER TRADES WHICH ARE SUBJECT TO SPECIAL INSPECTION, SEE THE CITY OF NEW YORK BUILDING CODE, AS WELL AS ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC. DRAWINGS AND SPECIFICATIONS.
6. IN ADDITION TO THE ABOVE REQUIREMENTS, ALL COLUMN SPLICE, BEAM MOMENT CONNECTIONS AT BEAMS DESIGNATED AS "LRS" AND BRACE FRAME OR WIND TRUSS CONNECTIONS (PER S-940 SERIES OF DWGS) SHALL COMPLY WITH THE INSPECTION REQUIREMENTS OF AWS D1.8 "STRUCTURAL WELDING CODE-SEISMIC SUPPLEMENT", IF WELDING IS PRESENT IN CONNECTION.

## GENERAL NOTES:

1. ALL WORK TO BE PERFORMED IN COMPLIANCE WITH THE NEW YORK CITY BUILDING CODE, LATEST EDITION AND ALL SUPPLEMENTS.
2. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD AND BE RESPONSIBLE FOR ACCURATE COORDINATION WHERE POSSIBLE. EXISTING FRAMING DIMENSIONS WAS TAKEN FROM EXISTING DWGS, AND SHALL BE VERIFIED ON SITE. DISCREPANCIES SHALL BE REPORTED TO ARCH. AND ENGINEER BEFORE PROCEEDING.
3. TEMPORARY SHORING IS REQUIRED AT ALL LOCATIONS WHERE PARTIAL, REMOVAL OF BEAMS IS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR ENGINEERING AND CONTROLLED INSPECTION OF TEMPORARY SYSTEMS.
4. THE CONTRACTOR SHALL USE THESE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL AND MECHANICAL DEMOLITION DRAWINGS. IN THE EVENT OF CONFLICTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND THE ENGINEER.
5. U.O.N., ALL ELEVATIONS SHOWN ON THIS SET ARE BASED ON NAVD83 (THE NORTH AMERICAN VERTICAL DATUM OF 1988), WHICH IS 1.65' ABOVE BMD (MANHATTAN TOPOGRAPHICAL BUREAU VERTICAL DATUM).

## NON-STRUCTURAL ITEMS SHOWN ON THE STRUCTURAL/FOUNDATION DRAWINGS

1. THE FOLLOWING NON-STRUCTURAL ITEMS MAY BE SHOWN ON THE STRUCTURAL AND/OR FOUNDATION DRAWINGS FOR THE PURPOSE OF CLARITY IN INTERFACE WITH STRUCTURAL AND/OR FOUNDATION WORK. ITEMS BELOW MAY NOT BE FULLY DEFINED ON THE STRUCTURAL/FOUNDATION DRAWINGS. THE INFORMATION FOR NON-STRUCTURAL ELEMENTS IS FURNISHED BY OTHER CONSULTANTS AS LISTED BELOW. ALL REF. AND SHOP DRAWINGS RELATED TO THESE NON-STRUCTURAL ITEMS SHALL BE SUBMITTED TO THE CONSULTANTS LISTED BELOW FOR THEIR REVIEW AND APPROVAL.

### GEOTECHNICAL ENGINEER:

- FOUNDATION/UNDERSLAB WATERPROOFING, DAMPROOFING SYSTEMS
- WALL AND UNDERSLAB DRAINAGE SYSTEM, INCLUDING SUMP PITS, GRAVEL & PIPING, CLEANOUTS
- ROCK ANCHORS
- CAISSONS AND PILES, INCLUDING REINFORCEMENT
- ROCK CONTOURS

### ARCHITECT OF RECORD:

- WATERPROOFING/DAMPPOOFING APPLIED TO EXPOSED SURFACES, ELEVATOR OR SUMP PIT INTERIOR SURFACES
- REINFORCED CONCRETE ROOF DRAIN
- BRICK, BLOCK, TILE MASONRY, METAL PANELS, PRECAST FACADE PANELS, CURTAIN WALLS AND ALL OTHER FACADE SYSTEMS
- ROOFING SYSTEMS, DRAIN LOCATIONS, SLOPES TO DRAINS
- FILLS, INSULATION, PAVES OR GRAVEL
- FLOATING/SECONDARY SLABS

### MASONRY NOTES

1. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COMPLETE REQUIREMENTS FOR CMU. MASONRY CONSTRUCTION AND APPEARANCE. DETAILS AND NOTES SHOWN ON THE STRUCTURAL DRAWINGS ARE INTENDED TO SUPPLEMENT ARCHITECTURAL REQUIREMENTS AND TO DEFINE ELEMENTS WHICH PROVIDE STRUCTURAL STRENGTH AND STABILITY.
2. DETAILS, SECTIONS, SCHEDULES, ETC. AND THESE NOTES, REPRESENT THE MINIMUM REQUIREMENTS FOR STRUCTURAL ADEQUACY. WHERE ARCHITECTURAL REQUIREMENTS DIFFER FROM STRUCTURAL, THE MORE STRINGENT SHALL BE FOLLOWED.
3. CODE: MASONRY WALL CONSTRUCTION SHALL CONFORM TO THE NEW YORK CITY BUILDING CODE AND TO ACI 530/ASCE-5 AS REFERENCED BY THE NYC CODE.
4. MASONRY UNITS SHALL BE LIGHTWEIGHT HOLLOW LOAD BEARING CONCRETE MASONRY (CMU). COMPRESSIVE STRENGTH OF MASONRY FM SHALL BE A MINIMUM OF 1,500 PSI.
5. MORTAR SHALL BE TYPE M OR S.
6. HORIZONTAL JOINT REINFORCEMENT SHALL BE TRUSS TYPE GALVANIZED COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A 951.
7. PROVIDE HORIZONTAL JOINT REINFORCEMENT IN EVERY OTHER JOINT 18" O.C. VERTICALLY UNLESS PLANS OR DETAILS CALL FOR CLOSER SPACING OR ADDITIONAL REINFORCEMENT.
8. BAR REINFORCEMENT: ASTM A 615 GRADE 60, PER SCHEDULE. FOR ADDITIONAL REINFORCEMENT SEE WALL REINFORCEMENT ELEVATION.
9. ALL CELLS WITH REINFORCEMENT SHALL BE GROUTED SOLID FOR THE FULL EXTENT OF BAR, VERTICAL AND HORIZONTAL.
10. GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI. GROUT SHALL BE "FINE" AS DEFINED BY ASTM C 476.
11. STEEL ANCHORS, ASTM A 36, SET IN AN EXTERIOR WALL OR EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED. 12. CONTRACTOR SHALL COORDINATE ALL MASONRY WORK WITH WORK OF OTHER TRADES: ARCHITECTURAL, STRUCTURAL, MEP.

## FOUNDATION NOTES:

### A. EXCAVATION NOTES:

1. ALL FOUNDATIONS SHALL BEAR ON PILES AND/OR 20 TON/SF ROCK (SEE PILE NOTES).
2. WHERE EXISTING FOOTING OR FOUNDATIONS OF ADJACENT PROPERTY IS LOWER THAN ELEVATIONS SHOWN, NEW MAT FOUNDATION IS TO BE LOWERED TO SAME ELEVATION. WHERE NEW MAT FOUNDATION IS LOWER THAN EXISTING FOUNDATIONS, CONTRACTOR IS TO ESTABLISH EXISTING CONDITIONS BEFORE FOUNDATIONS, COMMENCING WORK AND NOTIFY THE ENGINEER.
3. ALL UNDERPINNING, SHEETING, SHORING OR OTHER CONSTRUCTION REQUIRED FOR THE SUPPORT OF ADJACENT PROPERTIES, BUILDINGS, SIDEWALKS, UTILITIES, ETC., SHALL BE SUBJECT TO CONTROLLED INSPECTION AS REQUIRED BY THE CODE. THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER ACCEPTABLE TO THE ENGINEER OF RECORD TO PROVIDE THE NECESSARY DESIGN AND THE SHALL PREPARE AND FILE THE REQUIRED FORMS FOR THE WORK WITH THE REQUIRED INSPECTION.
4. CONTRACTOR SHALL VERIFY LOCATIONS AND DIMENSIONS OF ALL SLOTS, PIPE/SLEEVE, DUCTS AND ANY OTHER CONCRETE PENETRATIONS AS REQUIRED FOR VARIOUS TRADES BEFORE CONCRETE IS PLACED.

### B. PILE AND FOOTING NOTES:

1. DRIVEN PILES TO BE STEEL "H" BEARING PILES HP 14X89 ASTM A572 GR. 50. PILES ARE DESIGNED FOR 150 TONS COMPRESSIVE CAPACITY, 10 TONS TENSION CAPACITY AND 6 TONS LATERAL CAPACITY (FREE HEAD CONDITION). FOR FURTHER INFORMATION REFER TO GEOTECHNICAL REPORT FROM LANGAN ENGINEERING, DATED FEB. 20, 2015.
2. DRILLED CAISSON PILES ARE ALSO CONSIDERED INTO STRUCTURAL FOUNDATION DESIGN AS RECOMMENDED BY THE GEOTECHNICAL CONSULTANT FOR AREAS WITH LARGE COMPRESSION AND TENSION REQUIREMENTS. REFER TO CAISSON SCHEDULE ON DWG. FD-200 FOR FURTHER INFORMATION AND DETAILS ON CAISSON DESIGN.
3. PILE DRIVING AND CAISSON DRILLING TO BE SUPERVISED BY A NYS LICENSED PROFESSIONAL ENGINEER.
4. TO = INDICATES TOP OF CONCRETE CAP ELEVATION.
5. ALL PILES TO BE DRIVEN TO PENETRATION IN BEARING STRATA RESISTANCE AS PER GEOTECHNICAL SPECIFICATIONS.
6. ALL CAISSONS TO BE DRILLED TO TOP OF SUITABLE ROCK ELEVATION AND UNCASED ROCK SOCKET LENGTH AS PER GEOTECHNICAL SPECIFICATIONS.
7. RECORDS OF PILE PENETRATION OF EVERY PILE, AND THE BEHAVIOR OF SAME DURING DRIVING SHALL BE FILED WITH THE BUILDING DEPARTMENT AND UNCASED PILE LOG-LOCATION PLANS AND PILE LOG SHALL BE FILED BY THE DESIGN ENGINEER AND APPROVED BY THE BUILDING DEPARTMENT. NO PILE CAPS ARE TO BE PLACED BEFORE THIS IS DONE.
8. A PLAN SHOWING THE IDENTIFICATION OF ALL PILES AND A PILE NUMBERING PLAN SHALL BE FILED WITH THE BUILDING DEPARTMENT.
9. PLANS TO INDICATE MINIMUM REQUIRED PENETRATION OF ALL PILES, SHALL BE FILED WITH THE BUILDING DEPARTMENT.
10. AN AMENDMENT SHALL BE FILED AND APPROVED FOR ON-SITE INSPECTION ON ALL GRANES AND "TRIS", BEFORE MOVING THIS EQUIPMENT ONTO THE JOB SITE.
12. A "SPECIAL INSPECTION" FORM IS TO BE SUBMITTED INDICATING THE ENGINEER WHO WILL HAVE RESPONSIBILITY FOR SUPERVISING THE PILES APPROVED BY THE BUILDING DEPARTMENT, AND THE ENGINEER OF RECORD.
13. LOAD TESTS SHALL BE PERFORMED AS PER LOAD TEST PROCEDURES NEW YORK CITY BUILDING CODE.
14. THE PILES ON DRAWINGS ARE BASED ON THE ROCK ELEVATIONS AS INDICATED ON THE BORING DATA. ACTUAL ROCK ELEVATION MAY BE DIFFERENT THAN ANTICIPATED. ONCE THE ACTUAL ELEVATION IS FOUND, THE CONTRACTOR, AT HIS EXPENSE SHALL ASK THE ENGINEER OF RECORD TO PROVIDE THE NECESSARY DESIGN CHANGES, SUCH AS SHARED FOOTINGS WHERE PILE LENGTHS ARE LESS THAN 7 FEET.
15. STRUCTURAL DESIGN SHOWN ON THESE DRAWINGS IS IN CONFORMANCE WITH GEOTECHNICAL REPORT FROM "LANGAN ENGINEERING" DATED FEB. 20, 2015.

### C. CONCRETE AND STEEL REINFORCEMENT

1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, U.O.N., AND COMPLY WITH A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE.
2. CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
  - FOUNDATION PIERS, PILE CAPS, FOOTINGS AND MATS 6000 PSI MIN.
  - FOUNDATION WALLS AND COLUMN BUTTRESSES 6000 PSI MIN.
  - COLUMN PIERS (IF ANY) 6000 PSI MIN.
  - SLAB ON GROUND 6000 PSI MIN.
  - IF SLAB ON GROUND IS POURED BEFORE THE COLUMNS ABOVE AND THE COLUMN STRENGTH IS 6000 PSI OR GREATER, THE SLAB ON GROUND STRENGTH IS TO BE ACCORDING TO THE "DETAIL OF BEAM AND SLAB CONCRETE PLACEMENT AT HIGH POINTS" IN ADDITION, THE COLUMNS AND THE EXTENDING ABOVE THE FOOTINGS, PIERS OR PILE CAPS ARE TO BE LENGTHENED A MIN. 12", BEYOND THAT SHOWN OR CALLED FOR IN THE DETAILS.
3. ALL STEEL REINFORCEMENT SHALL HAVE AN ULTIMATE TENSILE STRENGTH OF 90,000 PSI AS PER A.S.T.M. A415-94 GRADE 60 & GRADE 75. A.S.T.M. A775-94 FOR EPOXY COATED REINFORCING BARS, AND A.S.T.M. A884-94a FOR EPOXY COATED STEEL WIRE AND WELDED WIRE FABRIC FOR REINFORCEMENT. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE NECESSARY CHAIRS, REBAR, TIES, SPACERS, ETC., TO SECURE AND SUPPORT THE REINFORCING WHILE PLACING THE CONCRETE.
4. ALL BARS MARKED CONTINUOUS, SHALL BE LAPPED 36 DIAMETERS AT SPLICES AND CORNERS EXCEPT WHERE SHOWN OTHERWISE. LAP CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AND BOTTOM BARS AT SUPPORTS. HOOK TOP BARS AT DISCONTINUOUS ENDS.
5. VERTICAL CONSTRUCTION JOINTS IN ALL WALLS SHALL BE USED ONLY IF UNAVOIDABLE, OR UNLESS OTHERWISE NOTED, AND TO BE LOCATED AT LEAST 4'-0" FROM ANY SUPPORTING COLUMN OR WALL OPENING. DISTANCE BETWEEN JOINTS IN WALL SHALL BE ALLOWED AS PER SPECIFICATIONS. NO HORIZONTAL CONSTRUCTION JOINTS WILL BE ALLOWED IN GRADE BEAMS.
6. IN NO CASE SHALL TRUCKS, BULLDOZERS, OR OTHER HEAVY EQUIPMENT BE PERMITTED CLOSER THAN 8'-0" FROM ANY FOUNDATION WALL UNLESS APPROVED BY THE ENGINEER.
7. TEMPORARY BRACING SHALL BE PROVIDED FOR ALL BUTTRESSES, WHERE BUTTRESSES DO NOT EXIST OR SPACING BETWEEN BUTTRESSES EXCEED 25 FEET, AND WHERE THE DIFFERENCE IN LEVEL BETWEEN INSIDE AND OUTSIDE GRADE IS MORE THAN 4'-0". INTERMEDIATE BRACING SHALL BE PROVIDED, WHERE RAMPS OCCUR, THE GRADE ELEVATION OUTSIDE OF RAMP WALLS SHALL BE USED IN FIGURING THE DIFFERENCE IN LEVEL. CORNER BUTTRESSES NEED NOT BE BRACED. NO BACKFILLING IS TO BE DONE BEFORE ALL SLABS BRACING WALLS ARE IN PLACE UNLESS APPROVED BY THE ENGINEER. PROVIDE TEMPORARY BRACING FOR ALL PIERS AND SUMP PITS.
8. CONTRACTOR TO INSTALL, ALL PILE SLEEVES, BOXED OPENINGS, ANCHOR BOLTS, ETC., AS REQUIRED FOR THE VARIOUS TRADES. WALL POCKETS TO RECEIVE BEAMS AND SLABS SHALL BE PROVIDED AS REQUIRED FOR THE SUPERSTRUCTURE. SHOP DRAWINGS SHOWING THE POSITION OF OPENINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.
9. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 3/4" FOR INTERIOR SLABS AND INTERIOR WALL SURFACES; 1 1/2" FOR BEAMS, ORDERS, AND COLUMNS (TIES, STIRRUPS OR PRIMARY REINFORCEMENT). FOR ALL CONCRETE EXPOSED TO WEATHER AND EARTH FILL, COVER SHALL BE 2" (1 1/2" FOR STIRRUPS). FOR CONCRETE PLACED AGAINST EARTH, MINIMUM COVER SHALL BE 3".
10. THE STRUCTURAL ENGINEER OR HIS FIELD QUALIFIED REPRESENTATIVE MUST CHECK AND APPROVE ALL STEEL REINFORCING PRIOR TO CONCRETE PLACEMENT.

### D. CODES AND TESTS

1. THIS STRUCTURE HAS BEEN DESIGNED UNDER THE PROVISIONS OF THE NEW YORK CITY BUILDING CODE AS AMENDED AND A.C.I. 318.
2. ALL CONTROLLED CONCRETE SHALL COMPLY WITH THE A.C.I. 318 BUILDING CODE. APPLICATION FOR CONTROLLED CONCRETE WITH CONCRETE TESTS AND CURVES OF TESTS FOR THE PRELIMINARY DESIGN MIX PREPARED BY AN APPROVED LABORATORY MUST BE SUBMITTED TO THE ENGINEER FOR FILING WITH THE BUILDING DEPARTMENT. NO CONCRETE IS TO BE PLACED BEFORE SUCH AN AMENDMENT IS APPROVED BY THE BUILDING DEPARTMENT.
3. DESIGN AND CONSTRUCTION OF FORMWORK IS TO COMPLY WITH THE A.C.I. 318 BUILDING CODE AND THE NEW YORK CITY BUILDING CODE AS AMENDED.
4. THE DESIGN DETAILS AND NOTES INCLUDED HEREIN ARE IN COMPLIANCE WITH LOCAL LAW 17/95.

- SITE CLASS = C
- SEISMIC DESIGN CATEGORY = C
- SEISMIC FORCE RESISTING SYSTEM = ORDINARY REINFORCED CONCRETE SHEAR WALLS
- DESIGN BASE SHEAR (V): E/W = 3700 kips N/S = 3700 kips
- SEISMIC RESPONSE COEFFICIENT (C<sub>s</sub>): E/W = 0.0156 N/S = 0.0156
- RESPONSE MODIFICATION FACTORS: R = 5.0
- ANALYSIS PROCEDURE USED = MODAL RESPONSE SPECTRUM ANALYSIS

## SUPERSTRUCTURE CONCRETE NOTES

### A. CONCRETE

1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, U.O.N., AND COMPLY WITH THE A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE.
2. CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
  - SHEAR WALLS, LINK BEAMS & COLUMNS REFER TO COLUMN SCHEDULE
  - SLABS AND BEAMS (U.O.N. ON PLANS) 6000 PSI MIN.
3. NO CONCRETE SHALL BE PLACED UNTIL THE CONTRACTOR HAS INSTALLED ALL THE INSERTS AND DOVETAILS NECESSARY TO PROVIDE SUPPORT FOR MULLIONS, APPLIED FINISHES, PARTITIONS, PIPES, DUCTS, EQUIPMENT, ETC., AS REQUIRED IN ARCHITECTURAL, HVAC, AND STRUCTURAL DRAWINGS. WHERE BRICK VENEER EXCEEDS 18" IN HEIGHT, PROVIDE DOVETAIL TYPE MASONRY ANCHORS SPACED AT 24" O/C IN ALL BACK UP VERTICAL CONCRETE SURFACES.
4. CONTRACTOR SHALL VERIFY LOCATIONS AND DIMENSIONS OF ALL SLOTS, PIPE/SLEEVE, DUCTS AND ANY OTHER CONCRETE PENETRATIONS AS REQUIRED FOR VARIOUS TRADES BEFORE CONCRETE IS PLACED.

### B. REINFORCEMENT

1. ALL STEEL REINFORCEMENT (STIRRUPS AND TIES INCLUSIVE) SHALL HAVE AN ULTIMATE TENSILE STRENGTH OF 90,000 PSI AS PER A.S.T.M. A415-94 GRADE 60 & GRADE 75. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE CHAIRS, REBAR, TIES, SPACERS, ETC., TO SECURE AND SUPPORT THE REINFORCING WHILE PLACING THE CONCRETE.
2. CONCRETE SLABS MINIMUM BOTTOM MAT REINFORCEMENT TO BE AS FOLLOWS, U.O.N. ON PLANS:
  - 6" TO 9" #4012 CONT. E.W.
  - 10" TO 14" #4012 CONT. E.W.
  - 15" TO 20" #4012 CONT. E.W.
  - 21" TO 26" #4012 CONT. E.W.
  - 27" TO 30" #4012 CONT. E.W.
3. THE CONTRACTOR MUST SUBMIT REINFORCING SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW. NO CONSTRUCTION IS TO BE STARTED UNTIL THE SHOP DRAWINGS ARE REVIEWED BY THE ENGINEER.
4. THE STRUCTURAL ENGINEER OR HIS FIELD QUALIFIED REPRESENTATIVE MUST CHECK AND APPROVE ALL STEEL REINFORCEMENT PRIOR TO CONCRETE PLACEMENT.
5. ALL REINFORCING BARS MARKED CONTINUOUS SHALL BE LAPPED AT SPLICES AND CORNERS IN CONFORMANCE WITH LAP SPLICE TABLES IN TYPICAL DETAILS UNLESS OTHERWISE NOTED. LAP CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AS REQUIRED. TERMINATE CONTINUOUS BARS AT END SUPPORTS WITH STANDARD HOOKS, U.O.N.
6. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 3/4" FOR INTERIOR SLABS AND INTERIOR WALL SURFACES; 1 1/2" FOR BEAMS, ORDERS AND COLUMNS (TIES, STIRRUPS OR PRIMARY REINFORCEMENT). FOR ALL CONCRETE EXPOSED TO WEATHER AND EARTH FILL, COVER SHALL BE 2" (1 1/2" FOR STIRRUPS). FOR CONCRETE PLACED AGAINST EARTH, MINIMUM COVER SHALL BE 3".

### C. CODES AND TESTS

1. THIS STRUCTURE HAS BEEN DESIGNED UNDER THE PROVISIONS OF THE NEW YORK CITY BUILDING CODE AS AMENDED AND A.C.I. 318.
2. ALL CONTROLLED CONCRETE SHALL COMPLY WITH THE A.C.I. 318 BUILDING CODE AND THE NEW YORK CITY BUILDING CODE. A SPECIAL AMENDMENT FORM FOR CONTROLLED CONCRETE WITH CONCRETE TESTS AND CURVES OF TESTS FOR THE PRELIMINARY DESIGN MIX PREPARED BY AN APPROVED LABORATORY MUST BE SUBMITTED TO THE ENGINEER FOR FILING WITH THE BUILDING DEPARTMENT. NO CONCRETE IS TO BE PLACED BEFORE SUCH AN AMENDMENT IS APPROVED BY THE BUILDING DEPARTMENT.
3. DESIGN AND CONSTRUCTION OF FORMWORK IS TO COMPLY WITH THE A.C.I. 318 BUILDING CODE AND THE NEW YORK CITY BUILDING CODE AS AMENDED.
4. TRANSPORTING, PLACING, CURING, AND DEPOSITING OF CONCRETE SHALL COMPLY WITH THE A.C.I. BUILDING CODE.
5. ALL REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT" A.S.T.M. A615-94 GRADE 60. THE STEEL SUPPLIER SHALL PROVIDE THE ENGINEER WITH AN AFFIDAVIT OF THE PRODUCER OF STEEL CERTIFYING THAT THE STEEL MEETS THE REQUIREMENTS OF THE A.S.T.M.
6. ALL STRUCTURAL STEEL (LIMITS, JOINTS, BEAMS, ETC.) SHALL CONFORM TO A.S.T.M. A-36, U.O.N.

### D. SEISMIC AND WIND CRITERIA

1. THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE LATEST NEW YORK CITY BUILDING CODE (NYBCS 2014).
2. WIND DESIGN DATA: WIND LOADS ARE BASED ON PROJECT SPECIFIC WIND TUNNEL TEST DATED FEBRUARY 19, 2016 IN ACCORDANCE WITH PROVISION OF NYBCS 2014.

3. EARTHQUAKE DESIGN DATA: AS PER LANGAN ENGINEERING'S FEBRUARY 09, 2015 SITE-SPECIFIC SEISMIC STUDY (INCLUDED IN LANGAN GEOTECHNICAL REPORT DATED FEBRUARY 20, 2015)

- SEISMIC IMPORTANCE FACTOR = 1
- S<sub>s</sub> = 0.215g, S<sub>1</sub> = 0.0583g, S<sub>0.5</sub> = 0.355g, S<sub>0.1</sub> = 0.159g
- SITE CLASS = C
- SEISMIC DESIGN CATEGORY = C
- SEISMIC FORCE RESISTING SYSTEM = ORDINARY REINFORCED CONCRETE SHEAR WALLS
- DESIGN BASE SHEAR (V): E/W = 3700 kips N/S = 3700 kips
- SEISMIC RESPONSE COEFFICIENT (C<sub>s</sub>): E/W = 0.0156 N/S = 0.0156
- RESPONSE MODIFICATION FACTORS: R = 5.0
- ANALYSIS PROCEDURE USED = MODAL RESPONSE SPECTRUM ANALYSIS

## STRUCTURAL STEEL NOTES:

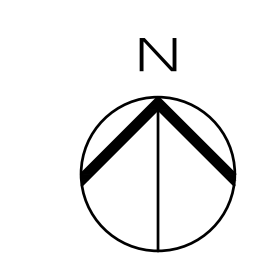
1. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE. ALL STEEL TO BE ASTM A572 / ASTM A992 HAVING A MINIMUM YIELD OF 50,000 PSI U.O.N. ON PLANS OR SECTIONS.
2. ALL CONNECTIONS SHALL BE IN ACCORDANCE WITH ALSO SPECIFICATIONS.
3. ALL WELDED CONNECTIONS SHALL CONFORM TO THE NEW YORK CITY BUILDING CODE. PROVISIONS SHALL BE MADE FOR FIELD INSPECTION AND TESTING OF WELDS. ALL SHOP WELDS SHALL BE TESTED BY ANY OF APPROVED METHODS AND SHALL BE CERTIFIED.
4. ALL BOLT STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS, LATEST EDITION: HIGH STRENGTH BOLTS A-325 AND A-490, U.O.N.
5. ALL BOLTS SHALL BE 3/4" MINIMUM ON HOLES 1/4" UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
6. ALL SHOP CONNECTIONS SHALL BE HIGH STRENGTH BOLTED OR WELDED.
7. THE USE OF A CUTTING TORCH IN THE FIELD WILL NOT BE PERMITTED.
8. WELDING ELECTRODES SHALL CONFORM TO E70XX ELECTRODES.
9. CONTRACTOR SHALL PROVIDE STIFFENERS PER CHAPTER K OF AISC SPECIFICATION (LRFD) REGARDING THE NEED FOR COLUMN STIFFENERS.
10. ALL WELDERS TO BE LICENSED BY THE CITY OF NEW YORK.
11. STRUCTURAL STEEL SHALL BE PRIMED WITH AN EPOXY-BASED PRIMER. ZINC OR BITUMINOUS COATING OR EQUIVALENT METAL PROTECTION BEFORE ERECTION AS SPECIFIED, FOR SPECIAL MINIMUM REQUIREMENTS IN SPECIFIC AREAS SEE NOTES THIS DRAWING.
12. PARTS OF STRUCTURAL STEEL LEFT UNPAINTED BECAUSE OF WELDING OR BOLTING SHALL RECEIVE A FIELD APPLICATION OF METAL PROTECTION.
13. STRUCTURAL STEEL THAT WILL BE EXPOSED TO WEATHER SHALL RECEIVE AN ADDITIONAL COAT OF METAL PROTECTION OF ANOTHER COLOR AFTER ERECTION.

UNDER THE PROVISIONS OF SECTION BC 1627 OF THE NEW YORK CITY BUILDING CODE A PEER REVIEW IS NOT REQUIRED FOR THIS PROJECT.

## LEGEND:



KEY PLAN



BEAM SCHEDULE							
BEAM MARK	SIZE (WxD)	REINFORCEMENT		STIRRUPS			REMARKS
		BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE	SPACING	
C2B1	8x16	2-#9	2-#7	#1	3	@ 6	
C2B2	8x16	2-#9	2-#7	#1	3	@ 6	
C2B3	12x16	6-#11 (2 LAYERS)	2-#11	#1	3	@ 6	
C2B4	18x79	10-#11 (2 LAYERS)	5-#10	#1	4	@ 12	#5#12 HORIZ. E.F.
C2B5	18x79/18/79	10-#11 (2 LAYERS)	5-#10	#1	4	@ 6	#5#12 HORIZ. E.F.
C2B6	12x16	2-#11	2-#7	#1	3	@ 6	
C2B7	12x24	2-#11	2-#7	#1	4	@ 10	
C2B8	12x79	3-#10	3-#10	#1	3	@ 10	#5#12 HORIZ. E.F.
C2B9	24x18	14-#11 (2 LAYERS)	5-#11	#1	4	@ 7	f'c = 8,600 MIN

TYPE 1  
STIRRUP TYPES  
N.T.S.

1  
FO-800  
OVERALL CELLAR 2 (C2) FRAMING PLAN  
SCALE: 1/16"=1'-0"

NOTES:  
1. T/SLAB ELEVATION TO BE -0'-8" U.O.N., THUS [ ] ON PLAN.  
2. SLAB TO BE 12" THICK U.O.N. THUS [ ] ON PLAN.  
3. BOTTOM REINFORCEMENT TO BE #4#10 CONT. E.W. FOR 10" SLAB U.O.N.  
4. SLAB CONSTRUCTION SHALL BE 4" N.W. CONCRETE TOPPING OVER 2" GALVANIZED METAL DECK 16GA (TOTAL SLAB DEPTH = 7 1/2") REINF. WITH #4#12 E.W. TOP CONTINUOUS AND #4#12 BOTTOM IN EACH RIB. f'c = 6000 PSI AT 28 DAYS. NO STUDS REQUIRED.  
5. FOR LOCATION, CONSTRUCTION & ADDITIONAL POOL INFORMATION SEE ARCHITECTURAL/POOL MANUFACTURER DRAWINGS. FOR POOL DUNNAGE SUPPORT SEE FOUNDATION DRAWINGS.  
6. FOR BALANCE OF NOTES SEE DRAWING S-001.

NOTE FOR:  
PARKING FLOORS, RAMPS, DRIVEWAYS EXPOSED TOPPING, SIDE WALKS - ALL DIRECTLY EXPOSED TO CARS AND/OR PEDESTRIAN TRAFFIC & CONCRETE TANKS, CAST IN PLACE CONCRETE TO HAVE 2" CLEAR COVER AND BE:  
- f'c 6000 psi AT 28 DAYS TOP SLAB REBAR, CONCRETE AND MASONRY SHEAR WALL DOWELS SHALL BE EPOXY COATED, DAMAGED PARTS OR REBAR SHALL BE PAINTED WITH DOUBLE COAT OF EPOXY PAINT.  
- DCl (CALCIUM NITRITE) CORROSION INHIBITOR, (4.0 GAL/YD3)  
- WATER/CEMENT RATIO NOT TO EXCEED 0.36  
- USE OF SUPER PLASTICIZER TO ACHIEVE THE W/C RATIO.  
- CONCRETE TO CONTAIN SILICA FUME (3% OF TOTAL CEMENT) OR SLAG (40%) 2.0 lbs/YD3 FIBER MESH.  
- ENTRAINED AIR AT 6% ±1%  
- THE CURING SHALL BE ONLY MOIST TYPE. NO CURING COMPOUND ACCEPTABLE.  
- ALTHOUGH PROTECTIVE MEASURES WERE INCORPORATED IN THE DESIGN OF THE EXPOSED SLABS AND WALLS, THESE AREAS MUST BE CAREFULLY MAINTAINED IN ORDER TO PREVENT EARLY DETEGRATION.  
- SLOPE TOP OF THE SLAB TO DRAINS IF REQUIRED BY ARCHITECTURAL DRAWINGS.  
- APPLY PENETRATING ANTISPALLING SEALER AND TRAFFIC DECK COATING SYSTEM.  
REFER TO SPECIFICATIONS FOR DETAILS. TRAFFIC COATING SYSTEM SHALL BE MAINTAINED AND PERIODICALLY REPLACED PER MANUFACTURER SPECIFICATIONS.

THE CELLAR FLOOR IS NOT INCLUDED IN THE FOUNDATION CONTRACT

06/02/2017	PAI	
02/24/2017	90% CONSTRUCTION DOCUMENTS	
10/26/2016	90% CONSTRUCTION DOCUMENTS	
08/31/2016	90% CONSTRUCTION DOCUMENTS	
07/29/2016	PAI FOUNDATION PACKAGE	
07/01/2016	COORDINATION OF C3 & C2	
04/15/2016	90% CONSTRUCTION DOCUMENTS	
11/11/2015	REVISED SUPERSTRUCTURE BID SET	
03/06/2015	DOB SUBMISSION	
03/02/2015	FOUNDATION BID SET	
01/23/2015	100% SCHEMATIC DESIGN	
Turned:	Date:	Revised:

OWNER:  
GID DEVELOPMENT  
125 HIGH STREET  
HIGH STREET TOWER, 27TH FLOOR  
BOSTON, MA 02110

PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:  
**HILL | WEST**  
ARCHITECTS  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T: 212 213 8007

DESIGN ARCHITECT:  
**KPF**  
KOHN PEDERSEN FOX  
ASSOCIATES PC  
11 West 42nd Street  
New York, NY 10036  
Tel: (212) 977-6500 Fax: (212) 956-2526

STRUCTURAL ENGINEER:  
**WSP BUILDING STRUCTURES**  
CONSULTING ENGINEERS  
228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FPF ENGINEER:  
**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS  
512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600

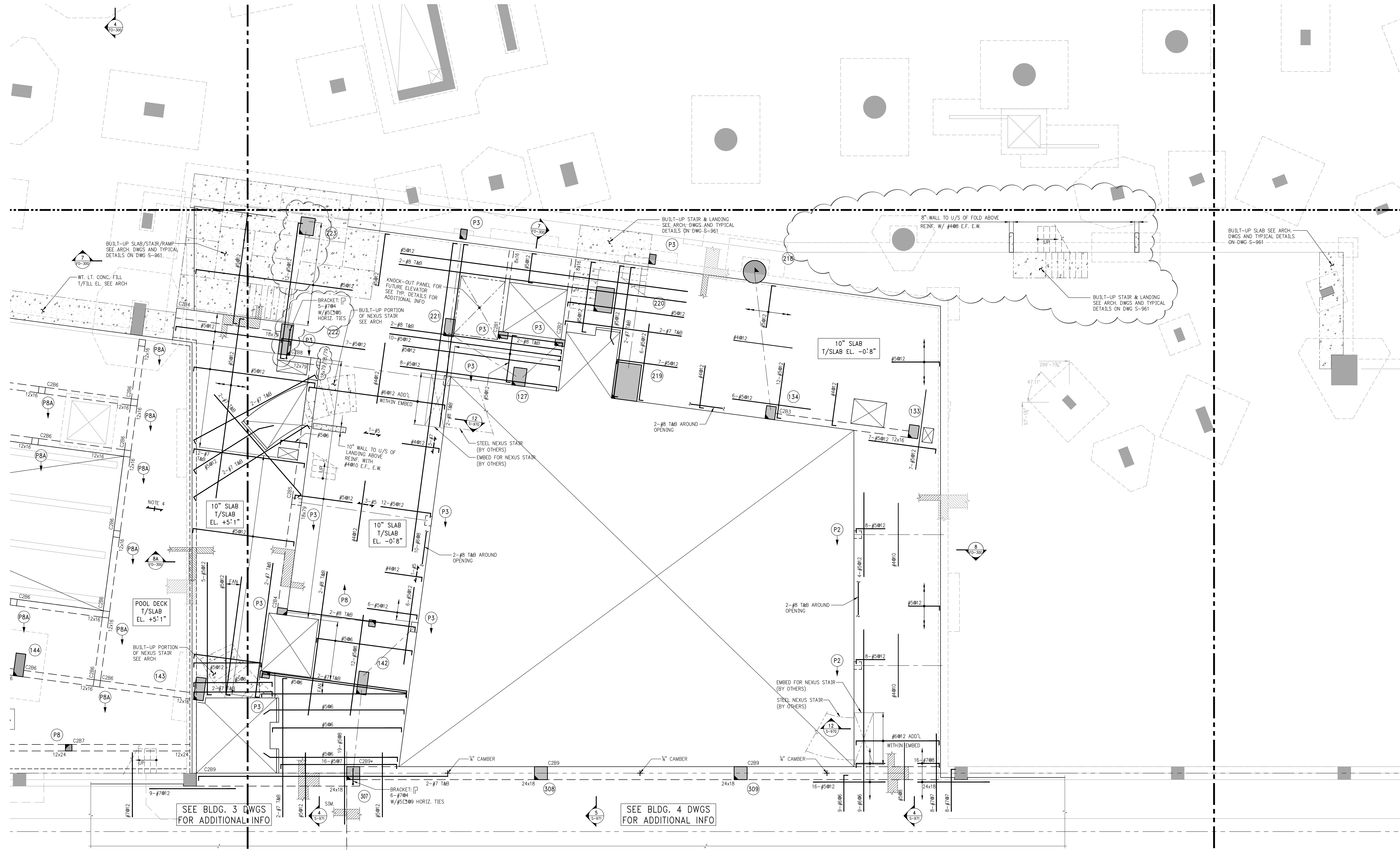
DOB STAMPS & SIGNATURES:



DWG TITLE:  
**OVERALL CELLAR 2 (C2)  
FRAMING PLAN**

SEAL & SIGNATURE:	DATE:	XXXXX2015
	PROJECT #:	1490102
	SCALE:	1/16"=1'-0"
	DWG NO.	FO-800.01
	Sheet 02 of 30	





1 CELLAR 2 (C2) FRAMING PLAN - PART 5  
SCALE: 3/16"=1'-0"  
NOTES:  
1. FOR BALANCE OF INFORMATION SEE FIRST CORRESPONDING FRAMING PLAN.

KEY PLAN



10/02/2017	PAA
02/24/2017	95% CONSTRUCTION DOCUMENTS
10/26/2016	90% CONSTRUCTION DOCUMENTS
08/31/2016	85% CONSTRUCTION DOCUMENTS
07/29/2016	PAA FOUNDATION PACKAGE
07/01/2016	COORDINATION OF C3 & C2
04/15/2016	80% CONSTRUCTION DOCUMENTS
11/11/2015	REVISED SUPERSTRUCTURE BID SET
03/06/2015	DCB SUBMISSION
03/02/2015	FOUNDATION BID SET

OWNER:  
GID DEVELOPMENT  
125 HIGH STREET  
HIGH STREET TOWER, 27TH FLOOR  
BOSTON, MA 02110

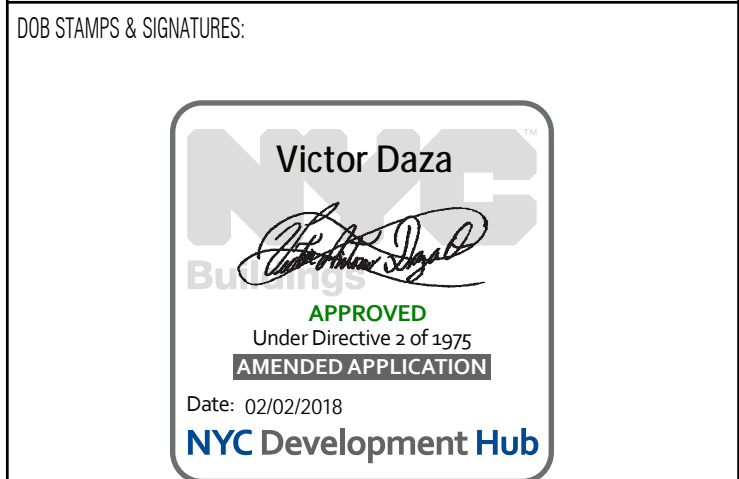
PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:  
**HILL | WEST**  
ARCHITECTS  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T: 212 213 8007

DESIGN ARCHITECT:  
**KPF**  
KOHN PEDERSEN FOX  
ASSOCIATES PC  
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New York, NY 10036  
Tel: (212) 977-6500 Fax: (212) 956-2526

STRUCTURAL ENGINEER:  
**WSP BUILDING STRUCTURES**  
CONSULTING ENGINEERS  
228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/PF ENGINEER:  
**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS  
512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600

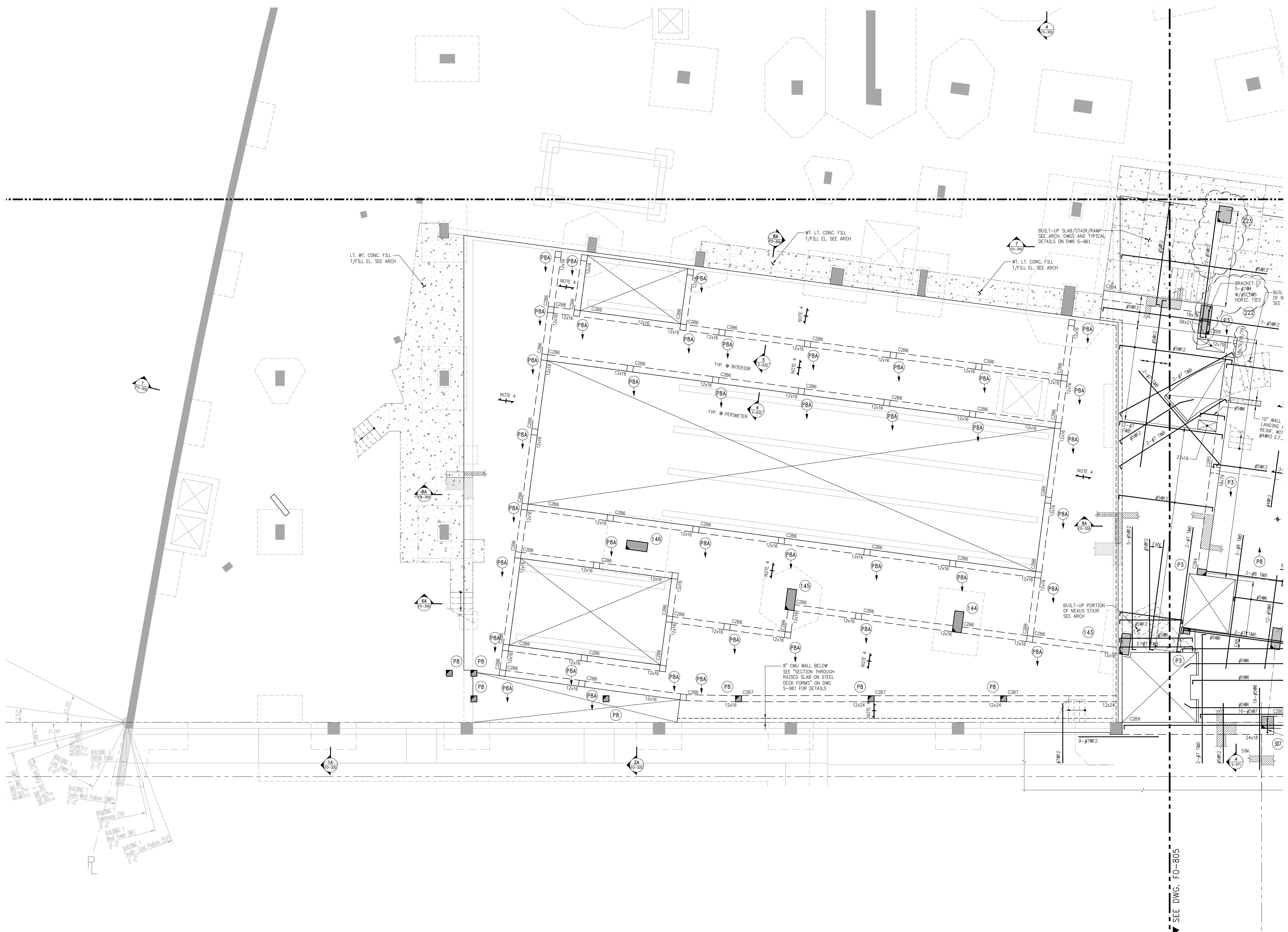


DWG TITLE:  
**CELLAR 2 (C2)  
FRAMING PLAN  
PART 5**

SEAL & SIGNATURE:	DATE:	03/02/2015
	PROJECT #:	1490102
	SCALE:	3/16"=1'-0"
	DWG NO:	FO-805.01
	Sheet 57 of 100	

THE CELLAR FLOOR IS NOT INCLUDED IN THE FOUNDATION CONTRACT





06/02/2017	PAA
03/04/2017	95% CONSTRUCTION DOCUMENTS
10/26/2016	90% CONSTRUCTION DOCUMENTS
08/31/2016	85% CONSTRUCTION DOCUMENTS

Number:      Date:      Revision:

OWNER:  
GID DEVELOPMENT  
125 HIGH STREET  
HIGH STREET TOWER, 27TH FLOOR  
BOSTON, MA 02110

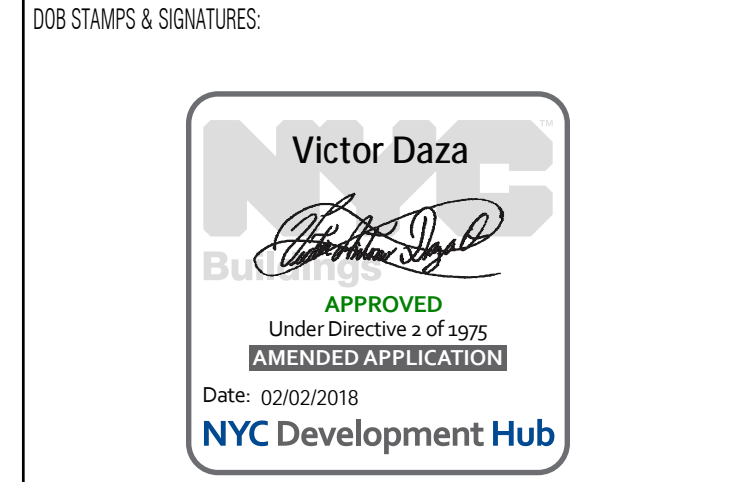
PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:  
**HILL | WEST**  
ARCHITECTS  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T: 212 213 8007

DESIGN ARCHITECT:  
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ASSOCIATES PC  
11 West 42nd Street  
New York, NY 10036  
Tel: (212) 977-6500 Fax: (212) 956-2526

STRUCTURAL ENGINEER:  
**WSP BUILDING STRUCTURES**  
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228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:  
**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS  
512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600



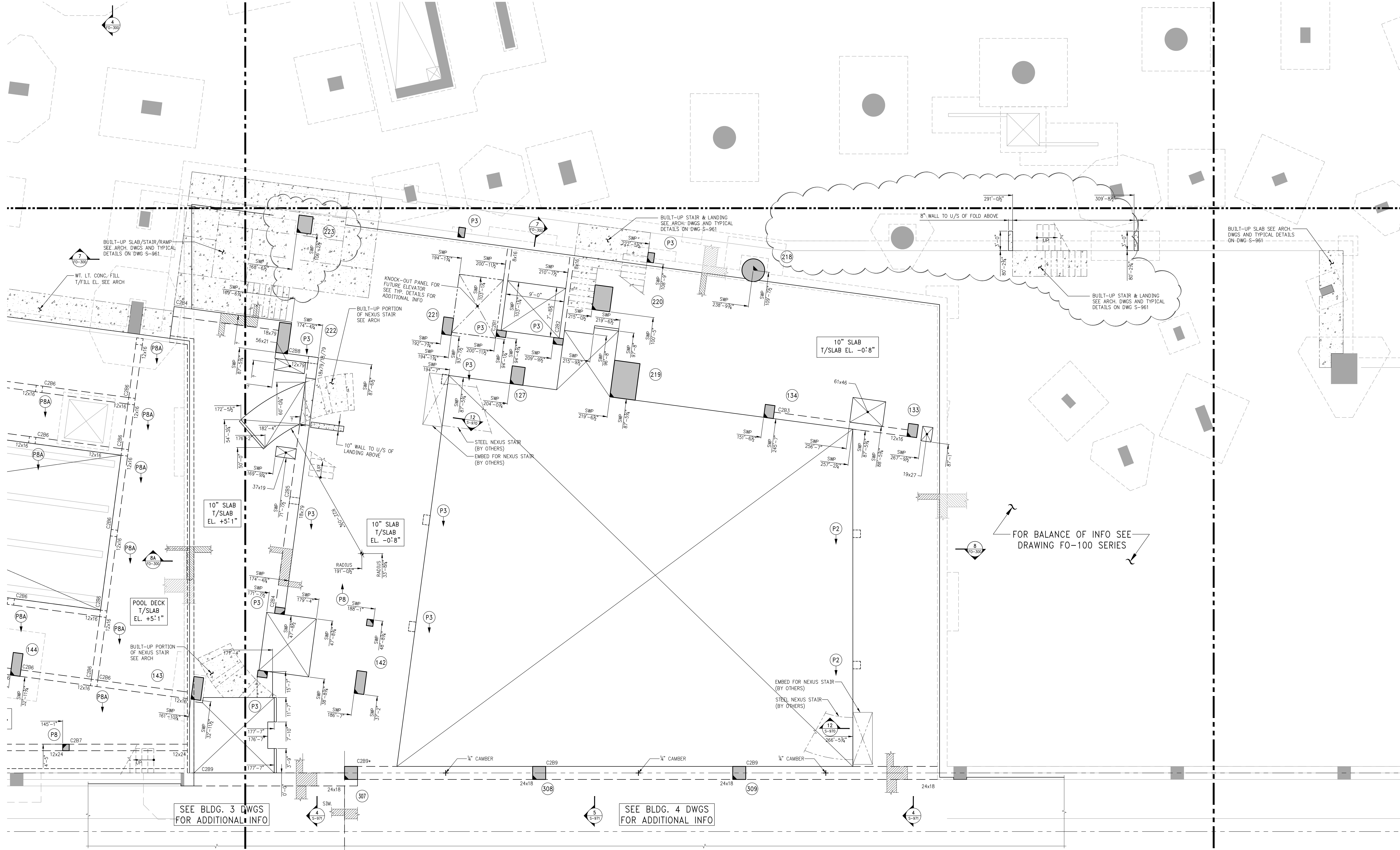
DWG TITLE:  
**CELLAR 2 (C2)  
FRAMING PLAN  
PART 6**

SEAL & SIGNATURE:	DATE:	03/02/2015
	PROJECT #:	1490102
	SCALE:	3/16"=1'-0"
	DWG NO:	FO-806.01
	Sheet 26 of 30	

1 CELLAR 2 (C2) FRAMING PLAN - PART 6  
SCALE: 3/16"=1'-0"  
NOTES:  
1. FOR BALANCE OF INFORMATION SEE FIRST CORRESPONDING FRAMING PLAN.

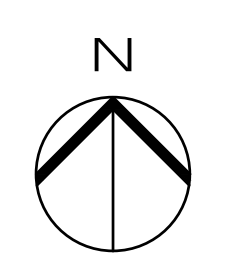
THE CELLAR FLOOR IS NOT INCLUDED IN THE  
FOUNDATION CONTRACT





1 CELLAR 2 (C2) GENERAL ARRANGEMENT PLAN - PART 5  
SCALE: 3/16"=1'-0"  
NOTES:  
1. FOR BALANCE OF INFORMATION SEE FIRST CORRESPONDING FRAMING PLAN.

KEY PLAN



10/02/2017	PAA
02/24/2017	95% CONSTRUCTION DOCUMENTS
10/26/2016	90% CONSTRUCTION DOCUMENTS
08/31/2016	85% CONSTRUCTION DOCUMENTS
07/29/2016	PAA FOUNDATION PACKAGE
07/01/2016	COORDINATION OF C3 & C2
04/15/2016	80% CONSTRUCTION DOCUMENTS
11/11/2015	REVISED SUPERSTRUCTURE BID SET
03/06/2015	DCB SUBMISSION
03/02/2015	FOUNDATION BID SET

OWNER:  
GID DEVELOPMENT  
125 HIGH STREET  
HIGH STREET TOWER, 27TH FLOOR  
BOSTON, MA 02110

PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:  
**HILL | WEST**  
ARCHITECTS  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T: 212 213 8007

DESIGN ARCHITECT:  
**KPF**  
KOHN PEDERSEN FOX  
ASSOCIATES PC  
11 West 42nd Street  
New York, NY 10036  
Tel: (212) 977-6500 Fax: (212) 956-2526

STRUCTURAL ENGINEER:  
**WSP BUILDING STRUCTURES**  
CONSULTING ENGINEERS  
228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FIT ENGINEER:  
**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS  
512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600

DCB STAMPS & SIGNATURES:

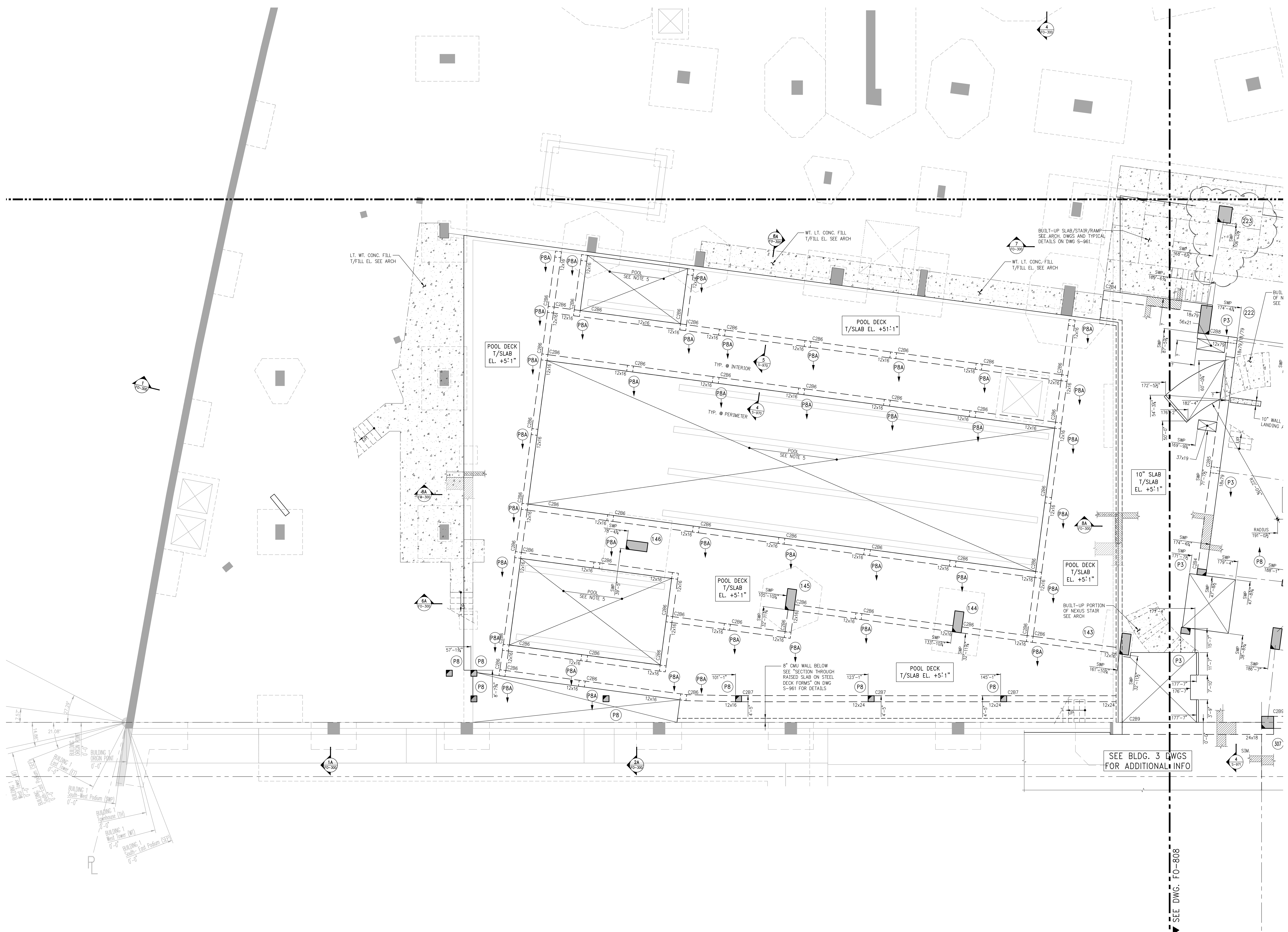


DWG TITLE:  
CELLAR 2 (C2)  
GENERAL  
ARRANGEMENT PLAN  
PART 5

SEAL & SIGNATURE:  
DATE: 03/02/2015  
PROJECT #: 1490102  
SCALE: 3/16"=1'-0"  
DWG NO.: FO-808.01  
Sheet 07 of 308

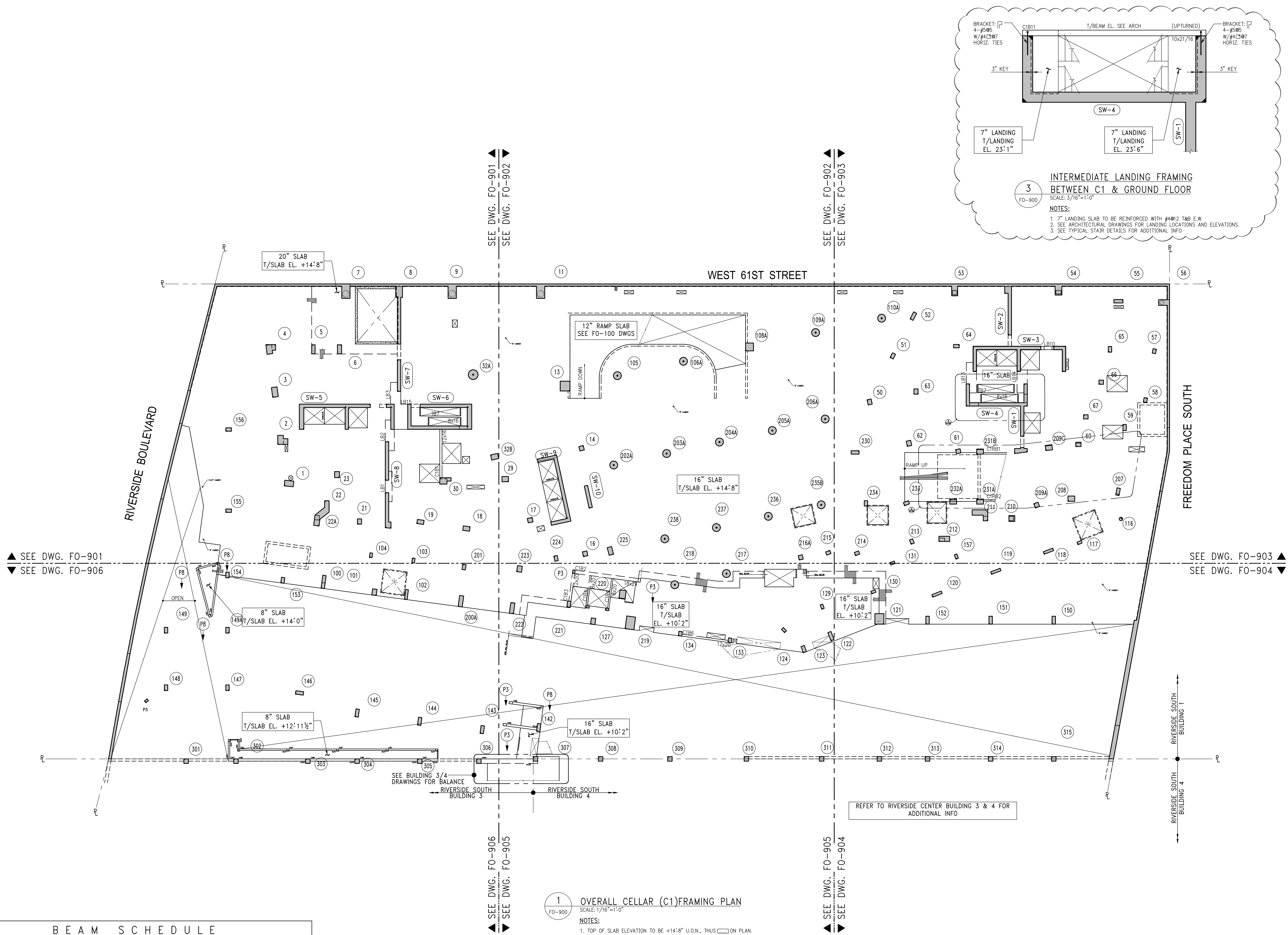
THE CELLAR FLOOR IS NOT INCLUDED IN THE FOUNDATION CONTRACT







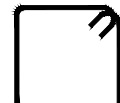
KEY PLAN



BEAM SCHEDULE							
BEAM MARK	SIZE (WxD)	REINFORCEMENT		STIRRUPS		REMARKS	
		BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE		
C1B1	12x16	6-#10 (2 LAYERS)	2-#10	# 1	4	Ø 6	f'c TO MATCH SLAB
C1B2	18x24	9-#11 (3 LAYERS)	3-#11	# 1	4	Ø 10	f'c TO MATCH SLAB, 1/2" CAMBER
C1B3	12x20	2-#10	2-#7	# 1	4	Ø 8	f'c TO MATCH SLAB
C1B4	8x20	2-#10	2-#7	# 1	4	Ø 8	f'c TO MATCH SLAB
C1B5	NOT USED	--	--	--	--	--	--
C1B6	12x20	4-#11	2-#11	# 1	4	Ø 8	f'c TO MATCH SLAB
C1B7	8x24	2-#9	2-#9	# 1	3	Ø 10	f'c TO MATCH SLAB, UPTURNED
C1B8	12x24	6-#10 (2 LAYERS)	2-#10	# 1	3	Ø 10	f'c TO MATCH SLAB, UPTURNED
C1B9	12x24	6-#11 (2 LAYERS)	2-#11	# 1	4	Ø 8	f'c TO MATCH SLAB
C1B10	24x20	7-#11	3-#11	# 1	4	Ø 9	f'c TO MATCH SLAB
C1B11	10x21/16	2-#10	2-#7	# 1	3	Ø 7	f'c TO MATCH SLAB, UPTURNED
C1B12	12x18	4-#11 (2 LAYERS)	4-#11 (2 LAYERS)	# 1	3	Ø 7	f'c TO MATCH SLAB, UPTURNED
C1B13	12x18	4-#11 (2 LAYERS)	4-#11 (2 LAYERS)	# 1	4	Ø 7	f'c TO MATCH SLAB, UPTURNED

TYPE 1

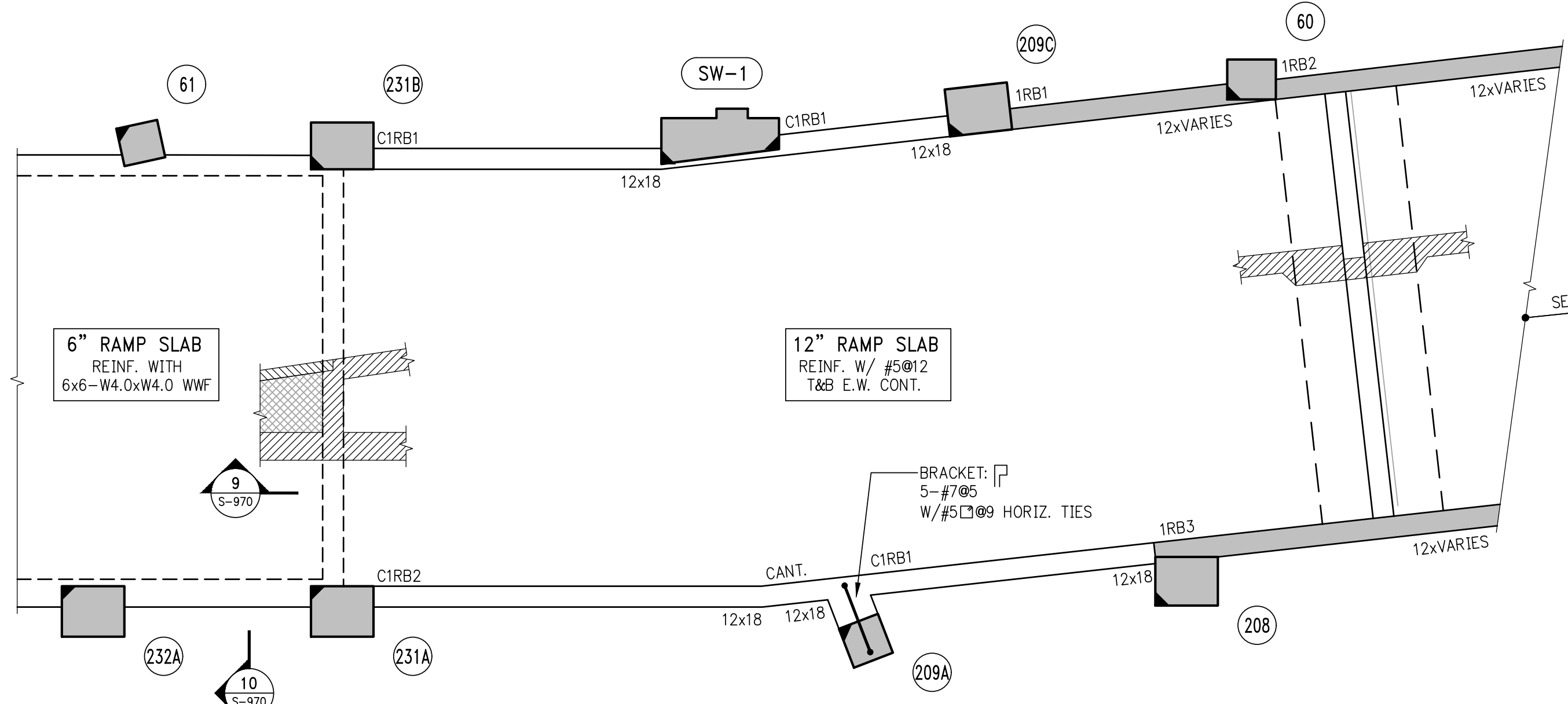
STIRRUP TYPES



NOTE FOR:  
PARKING FLOORS, RAMPS, DRIVEWAYS EXPOSED TOPPING, SIDE WALKS - ALL DIRECTLY EXPOSED TO CARS AND/OR PEDESTRIAN TRAFFIC & CONCRETE TANKS. CAST IN PLACE CONCRETE TO HAVE 2" CLEAR COVER AND BE:  
- f'c 8500 psi AT 28 DAYS TOP SLAB REBAR, CONCRETE AND MASONRY SHEAR WALL, DOMES SHALL BE EPOXY COATED. DAMAGED PARTS OR REBAR SHALL BE PAINTED WITH DOUBLE COAT OF EPOXY PAINT.  
- DICI (CALCIUM NITRIDE) CORROSION INHIBITOR, (4.0 GAL/YD3)  
- WATER/CEMENT RATIO NOT TO EXCEED 0.36  
- USE OF SUPER PLASTICIZER TO ACHIEVE THE W/C RATIO.  
- CONCRETE TO CONTAIN SILICA FUME (5% OF TOTAL CEMENT) OR SLAG (40%) 2.0 lbs/YD3 FIBER MESH.  
- ENTRAINED AIR AT 6% ±1%  
- THE CURING SHALL BE ONLY MOIST TYPE. NO CURING COMPOUND ACCEPTABLE.  
- ALTHOUGH PROTECTIVE MEASURES WERE INCORPORATED IN THE DESIGN OF THE EXPOSED SLABS AND WALLS, THESE AREAS MUST BE CAREFULLY MAINTAINED IN ORDER TO PREVENT EARLY DETERIORATION.  
- SLOPE TOP OF THE SLAB TO DRAINAGE IF REQUIRED BY ARCHITECTURAL DRAWINGS.  
- APPLY PENETRATING ANTI-SPLASH SEALER AND TRAFFIC DECK COATING SYSTEM.  
REFER TO SPECIFICATIONS FOR DETAILS. TRAFFIC COATING SYSTEM SHALL BE MAINTAINED AND PERIODICALLY REPLACED PER MANUFACTURER SPECIFICATIONS.

1 OVERALL CELLAR (C1) FRAMING PLAN

- SCALE: 1/16"=1'-0"
- NOTES:
1. TOP OF SLAB ELEVATION TO BE +14'-8" U.O.N., THIS [ ] ON PLAN.
  2. SLAB TO BE 16" THICK U.O.N. THIS [ ] ON PLAN.
  3. BOTTOM REINFORCEMENT TO BE #5@12 CONT. E.W. FOR 16" SLAB U.O.N. #6@8 CONT. E.W. FOR 20" SLAB U.O.N.
  4. TOP & BOTTOM MAT @ RAMP SLAB TO BE #5@12 E.W.
  5. CONCRETE STRENGTH TO f'c=8,500 psi.
  6. 12" TANK SLAB TO BE REINF. WITH #4@12 T&B E.W. CONT. FOR TANK WATERPROOFING REQUIREMENTS SEE ARCH DWGS.
  7. FOR BALANCE OF NOTES SEE DRAWING S-001.



2 RAMP FRAMING PLAN

- SCALE: 3/16"=1'-0"
- NOTES:
1. RAMP FRAMING IS PRELIMINARY

THE CELLAR FLOOR IS NOT INCLUDED IN THE FOUNDATION CONTRACT

08/02/2017	PA
02/24/2017	90% CONSTRUCTION DOCUMENTS
10/26/2016	90% CONSTRUCTION DOCUMENTS
08/31/2016	90% CONSTRUCTION DOCUMENTS
07/29/2016	PA FOUNDATION PACKAGE
07/01/2016	COORDINATION OF C3 & C2
04/15/2016	90% CONSTRUCTION DOCUMENTS
02/16/2016	CONSOLIDATED BID SET
11/11/2015	REVISED SUPERSTRUCTURE BID SET
03/06/2015	DOB SUBMISSION
03/02/2015	FOUNDATION BID SET
01/23/2015	100% SCHEMATIC DESIGN

OWNER:  
GID DEVELOPMENT  
125 HIGH STREET  
HIGH STREET TOWER, 27TH FLOOR  
BOSTON, MA 02110

PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:  
**HILL | WEST**  
ARCHITECTS  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T: 212 213 8007

DESIGN ARCHITECT:  
**KPF**  
KOHN PEDERSEN FOX  
ASSOCIATES PC  
11 West 42nd Street  
New York, NY 10036  
Tel: (212) 977-6500 Fax: (212) 956-2526

STRUCTURAL ENGINEER:  
**WSP BUILDING STRUCTURES**  
CONSULTING ENGINEERS  
228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:  
**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS  
512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:  
  
Victor Daza  
APPROVED  
UNDER DIRECTOR'S SUPERVISION  
DATE: 02/03/2018  
NYC Development Hub


OVERALL CELLAR (C1) FRAMING PLAN

SEAL & SIGNATURE:  
  
DATE: 01/23/2015  
PROJECT #: 1490102  
SCALE: 1/16"=1'-0"  
FO-900.01  
DWG NO.  
Sheet 17 of 30

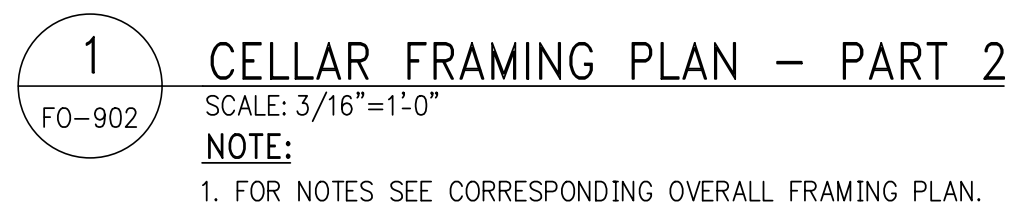




Victor Daza  
*[Signature]*  
APPROVED  
Under Directive 2 of 1975  
AMENDED APPLICATION  
Date: 02/02/2018  
NYC Development Hub

SEAL & SIGNATURE: <div style="text-align: center;">  </div>	DATE: 01/23/2015
	PROJECT #: 1490102
	SCALE: 1/16"=1'-0"
	FO-901.01
	DWG NO.





DATE	01/23/201
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DATE	
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PROJECT #:	1490
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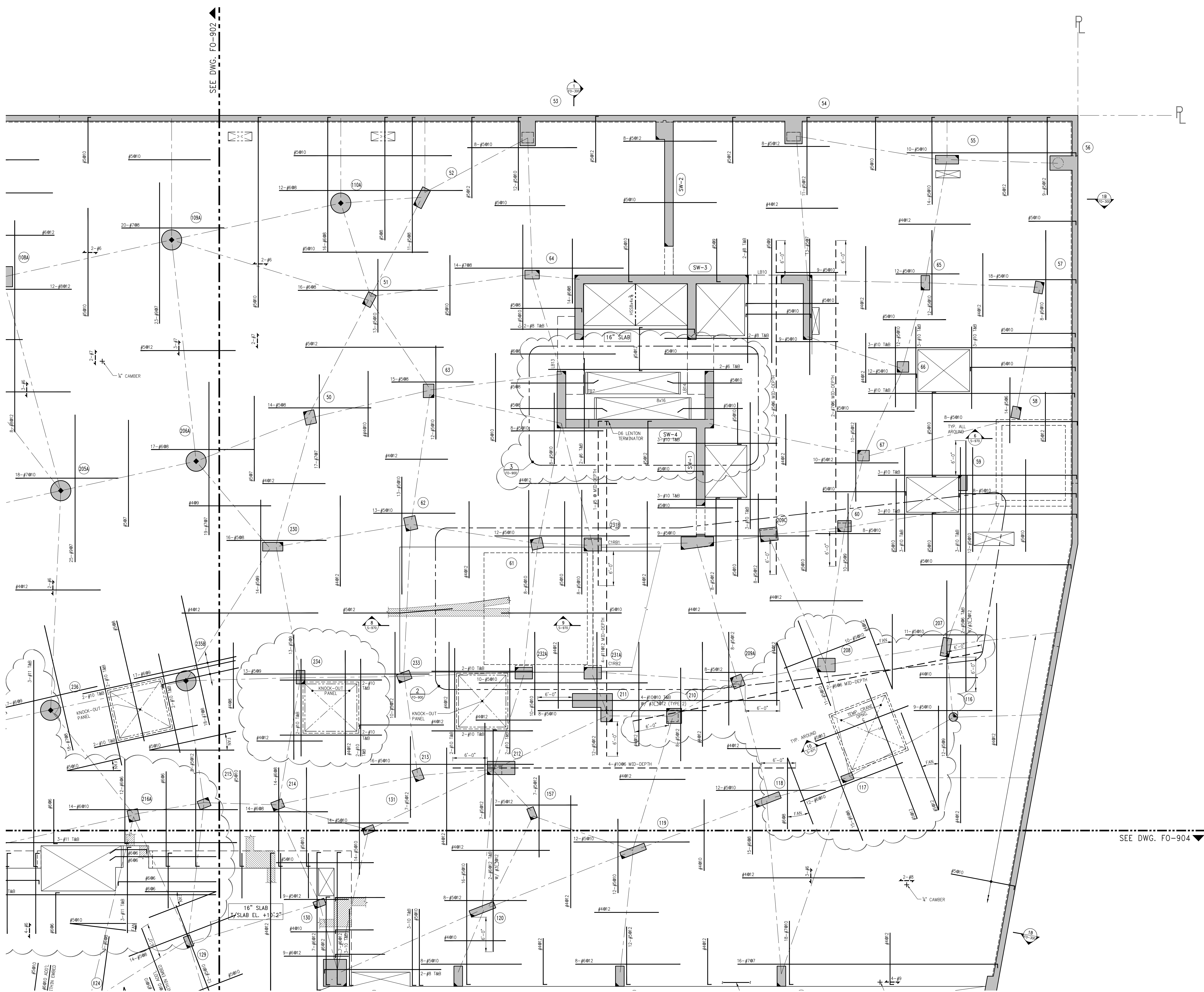
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FO-902.01

DWS NO.

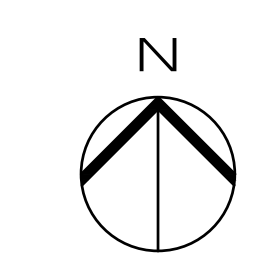
Sheet 17 of 20





1  
FO-903  
CELLAR FRAMING PLAN - PART 3  
SCALE: 3/16"=1'-0"  
NOTES:  
1. FOR NOTES SEE CORRESPONDING OVERALL FRAMING PLAN.

KEY PLAN



08/02/2017	PA
02/24/2017	95% CONSTRUCTION DOCUMENTS
10/26/2016	90% CONSTRUCTION DOCUMENTS
08/31/2016	90% CONSTRUCTION DOCUMENTS
07/29/2016	PA FOUNDATION PACKAGE
07/01/2016	COORDINATION OF C3 & C2
04/15/2016	90% CONSTRUCTION DOCUMENTS
02/16/2016	CONSOLIDATED BID SET
11/11/2015	REVISED SUPERSTRUCTURE BID SET
03/06/2015	DOB SUBMISSION
03/02/2015	FOUNDATION BID SET
01/23/2015	100% SCHEMATIC DESIGN

OWNER:  
GID DEVELOPMENT  
125 HIGH STREET  
HIGH STREET TOWER, 27TH FLOOR  
BOSTON, MA 02110

PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:  
**HILL | WEST**  
ARCHITECTS  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T: 212 213 8007

DESIGN ARCHITECT:  
**KPF**  
KOHN PEDERSEN FOX  
ASSOCIATES PC  
11 West 42nd Street  
New York, NY 10036  
Tel: (212) 977-6500 Fax: (212) 956-2526

STRUCTURAL ENGINEER:  
**WSP BUILDING STRUCTURES**  
CONSULTING ENGINEERS  
228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

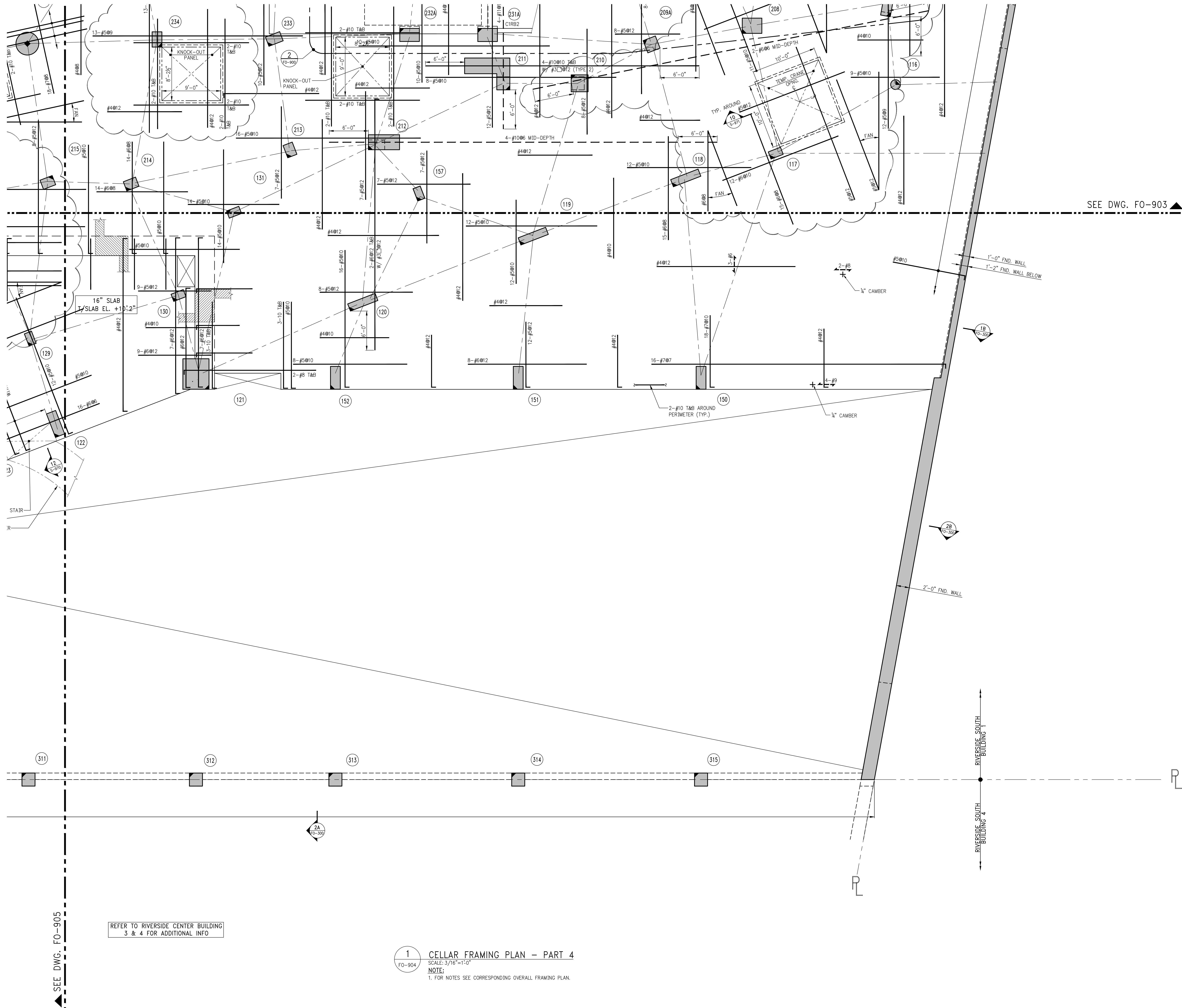
MEP/FP ENGINEER:  
**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS  
512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

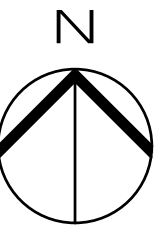
CELLAR FRAMING PLAN  
PART 3

SEAL & SIGNATURE:  
  
DATE: 01/23/2015  
PROJECT #: 1490102  
SCALE: 1/16"=1'-0"  
FO-903.01  
Sheet 17 of 30





KEY PLAN



08/02/2017	PIA
02/04/2017	95% CONSTRUCTION DOCUMENTS
10/26/2016	90% CONSTRUCTION DOCUMENTS
08/31/2016	85% CONSTRUCTION DOCUMENTS
07/03/2016	PIA FOUNDATION PACKAGE
07/01/2016	COORDINATION OF C3 & C2
04/15/2016	80% CONSTRUCTION DOCUMENTS
02/16/2016	CONSOLIDATED BID SET
11/11/2015	REVISED SUPERSTRUCTURE BID SET
03/06/2015	DOB SUBMISSION
03/02/2015	FOUNDATION BID SET
01/23/2015	100% SCHEMATIC DESIGN

OWNER:  
GID DEVELOPMENT  
125 HIGH STREET  
HIGH STREET TOWER, 27TH FLOOR  
BOSTON, MA 02110


PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:  
**HILL | WEST**  
ARCHITECTS  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T: 212 213 8007


DESIGN ARCHITECT:  
**KPF**  
KOHN PEDERSEN FOX  
ASSOCIATES PC  
11 West 42nd Street  
New York, NY 10036  
Tel: (212) 977-6500 Fax: (212) 956-2526

STRUCTURAL ENGINEER:  
**WSP BUILDING STRUCTURES**  
CONSULTING ENGINEERS  
228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

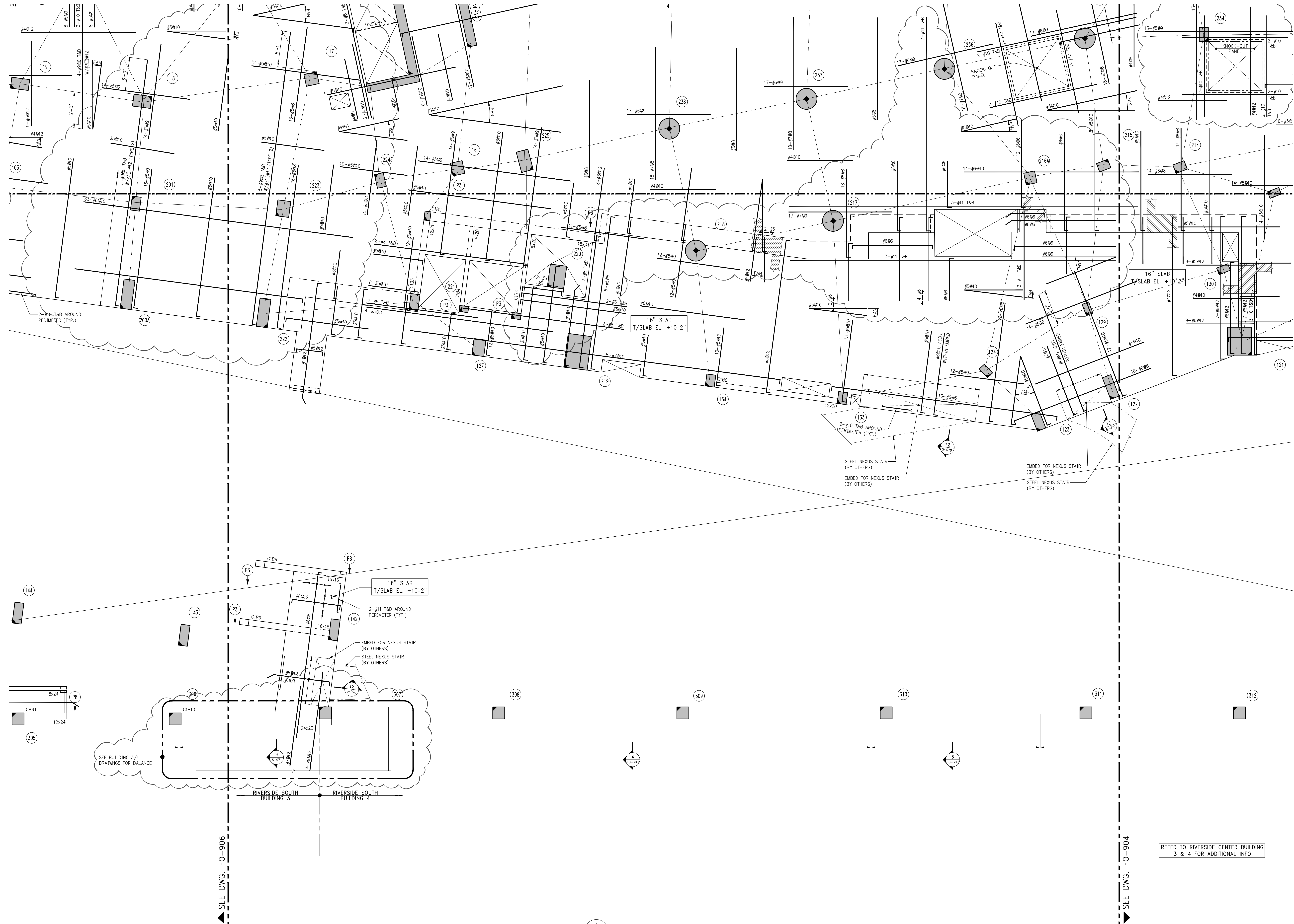
MEP/FP ENGINEER:  
**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS  
512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:  
  
APPROVED  
UNDER DIRECTIVE OF DOB  
AMENDED APPLICATION  
Date: 02/03/2018  
NYC Development Hub

DWG TITLE:  
**CELLAR FRAMING PLAN  
PART 4**

SEAL & SIGNATURE:  
  
DATE: 01/23/2015  
PROJECT #: 1490102  
SCALE: 1/16"=1'-0"  
FO-904.01  
DWG NO.  
Sheet 17 of 30





1 CELLAR FRAMING PLAN - PART 5  
FO-905  
SCALE: 3/16"=1'-0"  
NOTE:  
1. FOR NOTES SEE CORRESPONDING OVERALL FRAMING PLAN.

KEY PLAN



08/02/2017	PAA
02/04/2017	95% CONSTRUCTION DOCUMENTS
10/26/2016	90% CONSTRUCTION DOCUMENTS
08/31/2016	95% CONSTRUCTION DOCUMENTS
07/29/2016	PAA FOUNDATION PACKAGE
07/01/2016	COORDINATION OF CS & C2
04/15/2016	90% CONSTRUCTION DOCUMENTS
02/16/2016	CONSOLIDATED BID SET
11/11/2015	REVISED SUPERSTRUCTURE BID SET
03/06/2015	DOOR SUBMISSION
03/02/2015	FOUNDATION BID SET
01/23/2015	100% SCHEMATIC DESIGN

OWNER:  
GID DEVELOPMENT  
125 HIGH STREET  
HIGH STREET TOWER, 27TH FLOOR  
BOSTON, MA 02110


PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:  
**HILL | WEST**  
ARCHITECTS  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T: 212 213 8007


DESIGN ARCHITECT:  
**KPF**  
KOHN PEDERSEN FOX  
ASSOCIATES PC  
11 West 42nd Street  
New York, NY 10036  
Tel: (212) 977-6500 Fax: (212) 956-2526

STRUCTURAL ENGINEER:  
**WSP BUILDING STRUCTURES**  
CONSULTING ENGINEERS  
228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/PF ENGINEER:  
**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS  
512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600

DOOR STAMPS & SIGNATURES:  
  
Victor Daza  
APPROVED  
UNDER DIRECTIVE OF LUIS  
AMENDADO-APARICIO  
Date: 02/23/2018  
NYC Development Hub

DWG TITLE:  
**CELLAR FRAMING PLAN  
PART 5**

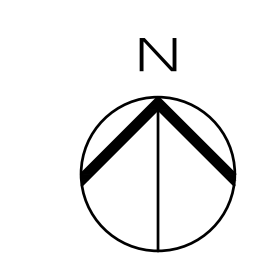
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PROJECT #: 1490102  
SCALE: 1/16"=1'-0"  
FO-905.01  
DWG NO.  
Sheet 17 of 30







KEY PLAN



08/02/2017	PA
02/24/2017	95% CONSTRUCTION DOCUMENTS
10/26/2016	90% CONSTRUCTION DOCUMENTS
08/01/2016	85% CONSTRUCTION DOCUMENTS
07/28/2016	PA FOUNDATION PACKAGE
07/01/2016	COORDINATION OF C3 & C2
04/15/2016	80% CONSTRUCTION DOCUMENTS

OWNER:  
GID DEVELOPMENT  
125 HIGH STREET  
HIGH STREET TOWER, 27TH FLOOR  
BOSTON, MA 02110

PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:  
**HILL | WEST**  
ARCHITECTS  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T: 212 213 8007

DESIGN ARCHITECT:  
**KPF**  
KOHN PEDERSEN FOX  
ASSOCIATES PC  
11 West 42nd Street  
New York, NY 10036  
Tel: (212) 977-6500 Fax: (212) 956-2526

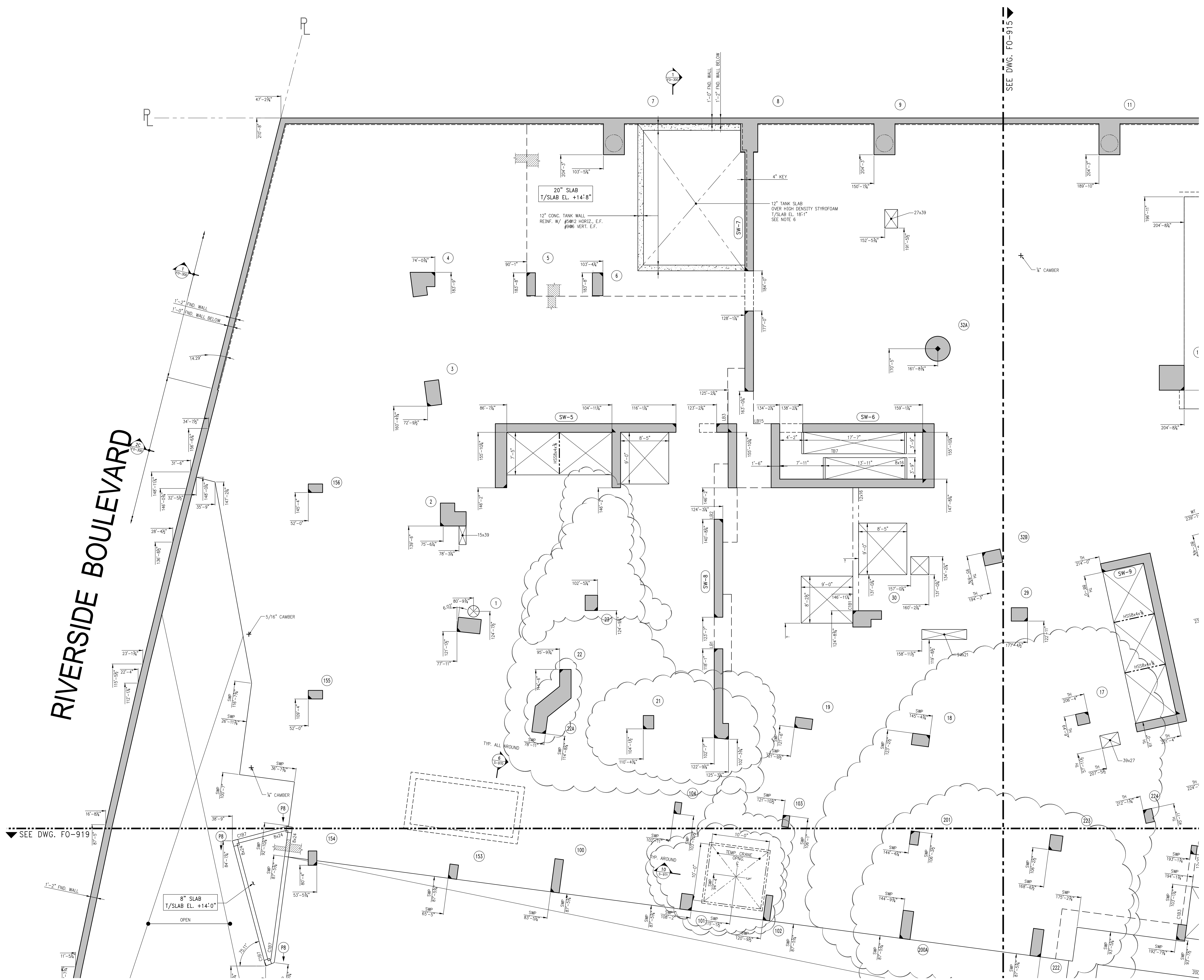
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**WSP BUILDING STRUCTURES**  
CONSULTING ENGINEERS  
228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FIT ENGINEER:  
**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS  
512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:  
  
APPROVED  
UNDER DIRECTIVE OF LUIS  
AMENDADO APPLICATION  
Date: 02/03/2018  
NYC Development Hub

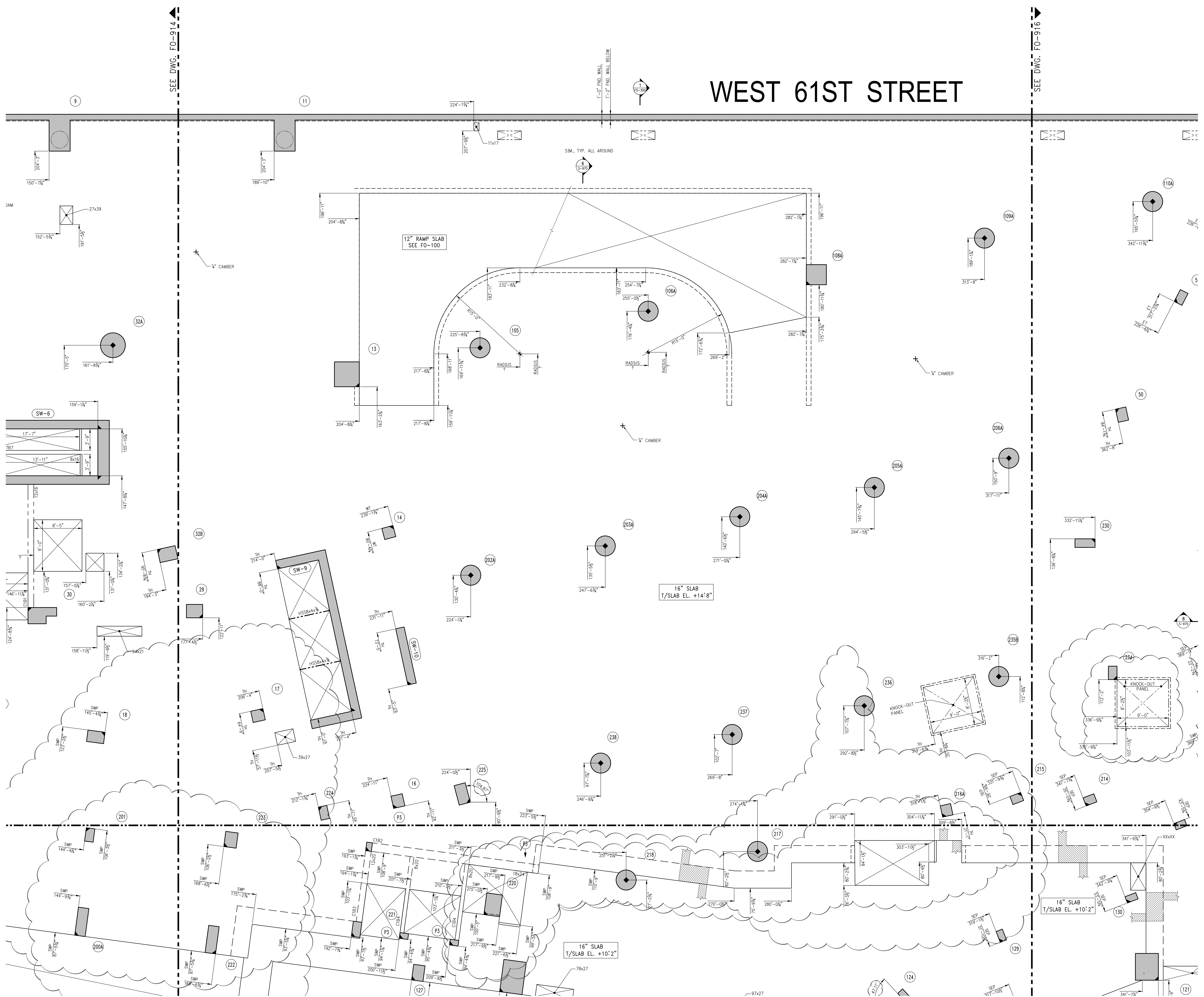
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**CELLAR FLOOR  
GENERAL RRANGEMENT  
PLAN - PART 1**

SEAL & SIGNATURE:  
  
DATE: 01/23/2015  
PROJECT #: 1490102  
SCALE: 1/16"=1'-0"  
FO-914.01  
DWG NO.  
Sheet 17 of 30

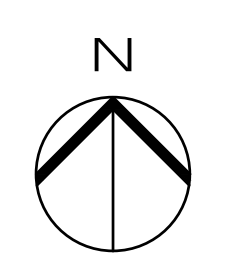




# WEST 61ST STREET



## KEY PLAN



	06/02/2017	FAA
	02/24/2017	90% CONSTRUCTION DOCUMENTS
	10/26/2016	90% CONSTRUCTION DOCUMENTS
	08/01/2016	85% CONSTRUCTION DOCUMENTS
	07/28/2016	FAA FOUNDATION PACKAGE
	07/01/2016	COORDINATION OF C3 & C2
	04/15/2016	80% CONSTRUCTION DOCUMENTS
Number:	Date:	Revision:

OWNER:  
GID DEVELOPMENT  
125 HIGH STREET  
HIGH STREET TOWER, 27TH FLOOR  
BOSTON, MA 02110

PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:  
**HILL | WEST**  
ARCHITECTS  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T: 212 213 8007

DESIGN ARCHITECT:  
**KPF**  
KOHN PEDERSEN FOX  
ASSOCIATES PC  
11 West 42nd Street  
New York, NY 10036  
Tel: (212) 977-6500 Fax: (212) 956-2526

STRUCTURAL ENGINEER:  
**WSP BUILDING STRUCTURES**  
CONSULTING ENGINEERS  
228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:  
**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS  
512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

DWG TITLE:  
**CELLAR FLOOR  
GENERAL ARRANGEMENT  
PLAN - PART 2**

SEAL & SIGNATURE:

DATE: 01/23/2015  
PROJECT #: 1490102  
SCALE: 1/16"=1'-0"  
FO-915.01  
Sheet 17 of 30



SEE DWG. FO-915

# FREEDOM PLACE SOUTH

## KEY PLAN



	06/02/2017	PAA
	02/24/2017	95% CONSTRUCTION DOCUMENTS
	10/28/2016	90% CONSTRUCTION DOCUMENTS
	08/31/2016	65% CONSTRUCTION DOCUMENTS
	07/29/2016	PAA FOUNDATION PACKAGE
	07/01/2016	COORDINATION OF C3 & C2
	04/15/2016	85% CONSTRUCTION DOCUMENTS

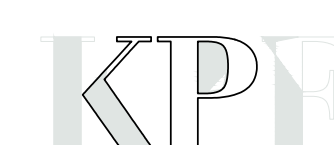
OWNER:	GID DEVELOPMENT 125 HIGH STREET HIGH STREET TOWER, 27TH FLOOR BOSTON, MA 02110
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PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:

**HILL | WEST**  
**ARCHITECTS**  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T. 212 213 8007

DESIGN ARCHITECT:



**KOHN PEDERSEN FOX  
ASSOCIATES PC**  
11 West 42nd Street  
New York, NY 10036  
Tel: (212) 977-6500 Fax: (212) 956-2526

STRUCTURAL ENGINEER:

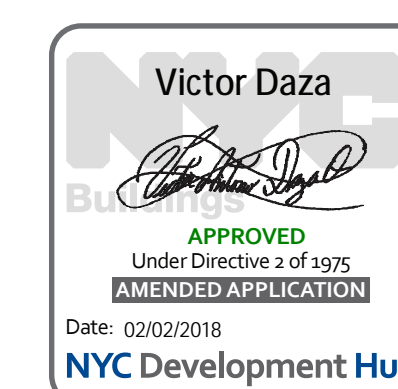
**WSP BUILDING STRUCTURES**  
CONSULTING ENGINEERS  
228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

ME/FP ENGINEER

**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS

512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600

DOB STAMPS &amp; SIGNATURES:



CONSTITUTION:

CELLAR FLOOR  
GENERAL ARRANGEMENT  
PLAN - PART 3

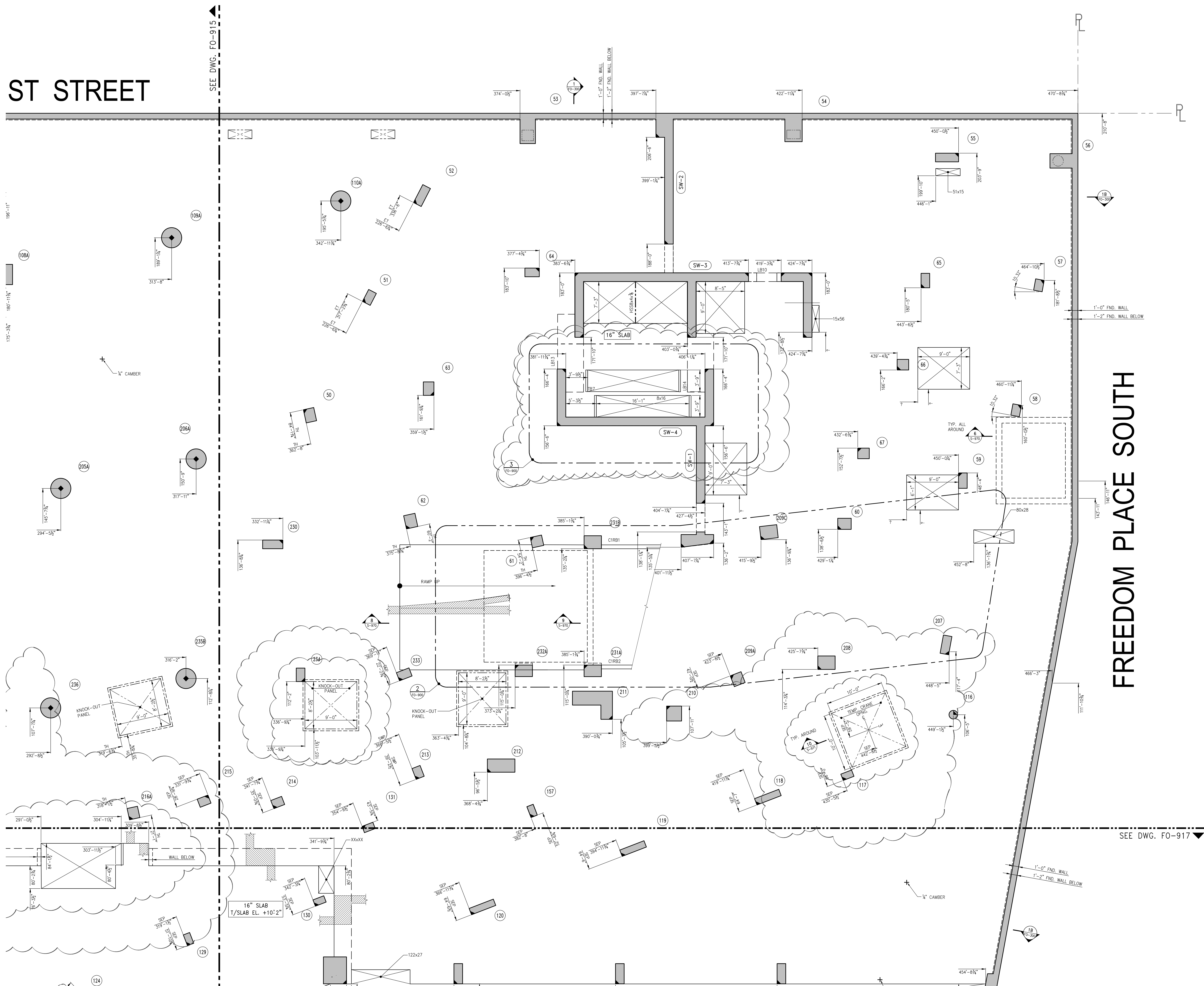
SEAL & SIGNATURE:	DATE:
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EQ-916 01

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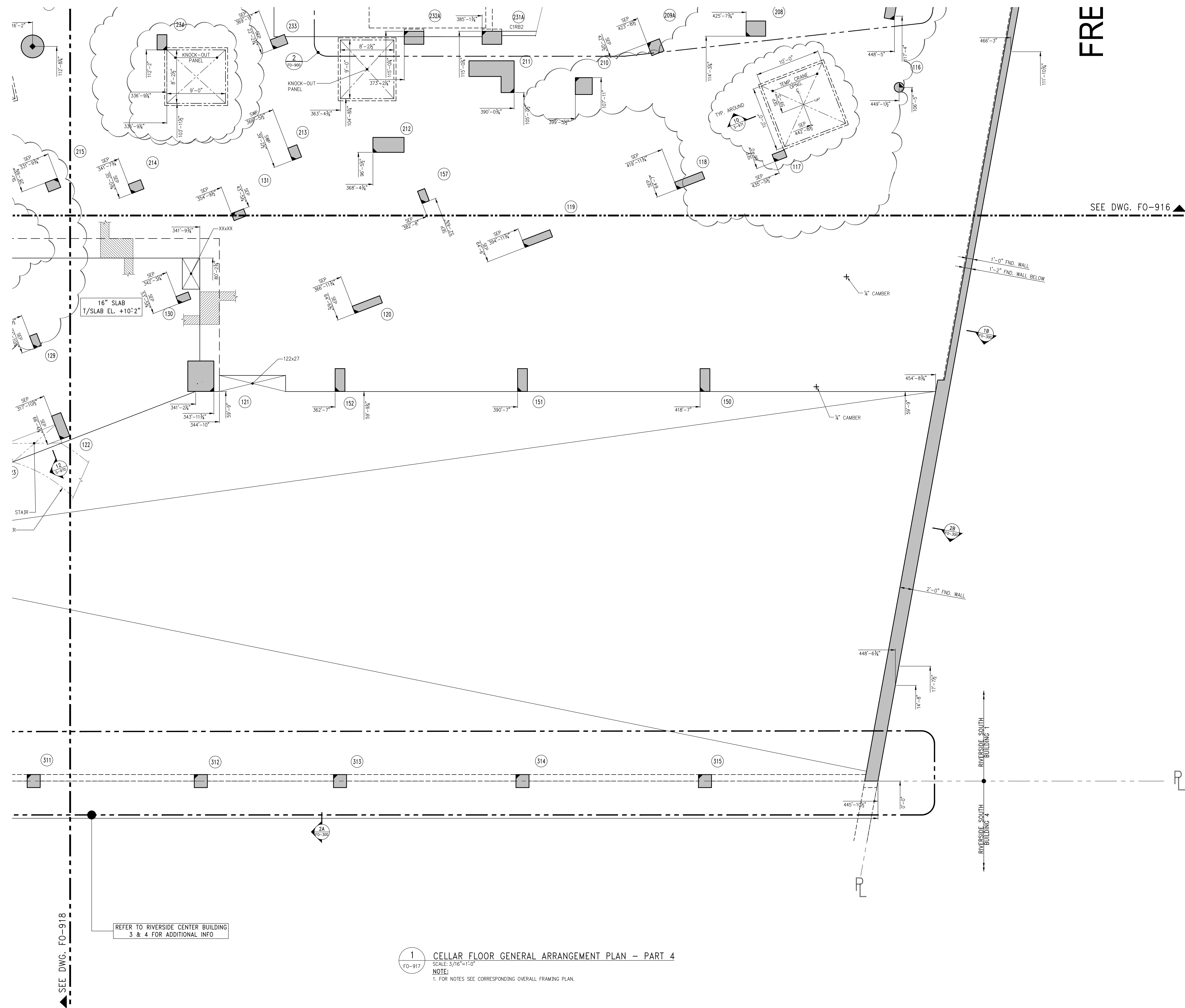
Sheet 17 of 20



1 CELLAR FLOOR GENERAL ARRANGEMENT PLAN - PART 3  
FO-916 SCALE: 3/16"=1'-0"

NOTES:  
1. FOR NOTES SEE CORRESPONDING OVERALL FRAMING PLAN.





1 CELLAR FLOOR GENERAL ARRANGEMENT PLAN - PART 4  
 FO-917 SCALE: 3/16" = 1'-0"  
**NOTE:**  
 1. FOR NOTES SEE CORRESPONDING OVERALL FRAMING PLAN.

## KEY PLAN



	06/02/2017	FAA
	02/24/2017	90% CONSTRUCTION DOCUMENTS
	10/28/2016	90% CONSTRUCTION DOCUMENTS
	08/31/2016	85% CONSTRUCTION DOCUMENTS
	07/28/2016	FAA FOUNDATION PACKAGE
	07/01/2016	COORDINATION OF C3 & C2
	04/15/2016	80% CONSTRUCTION DOCUMENTS
Number:	Date:	Revision:


OWNER:	GID DEVELOPMENT 125 HIGH STREET HIGH STREET TOWER, 27TH FLOOR BOSTON, MA 02110
--------	---

PROJECT:  
RIVERSIDE CENTER BUILDING 1  
NEW YORK, NY

EXECUTIVE ARCHITECT:

HILL | WEST  
ARCHITECTS  
11 BROADWAY  
17TH FLOOR  
NEW YORK, NY 10004  
T. 212 213 8007

DESIGN ARCHITECT:



**KOHN PEDERSEN FOX**  
ASSOCIATES PC

11 West 42nd Street  
New York, NY 10036

Tel: (212) 977-6500 Fax: (212) 956-2526

**STRUCTURAL ENGINEER:**  
**WSP BUILDING STRUCTURES**  
**CONSULTING ENGINEERS**  
228 East 45th St, 3rd Floor  
New York, NY 10017  
Tel: (212) 687-9888 Fax: (646) 487-5501

MECHANICAL ENGINEER

**WSP BUILDING SYSTEMS**  
CONSULTING ENGINEERS

512 Seventh Avenue  
New York, NY 10018  
Tel: (212) 532-9600

DOB STAMPS &amp; SIGNATURES:



DWG TITLE:

CELLAR FLOOR  
GENERAL ARRANGEMENT  
PLAN - PART 4

SEAL & SIGNATURE:	DATE: 01/23/2015
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DATE	
PROJECT #	1490102

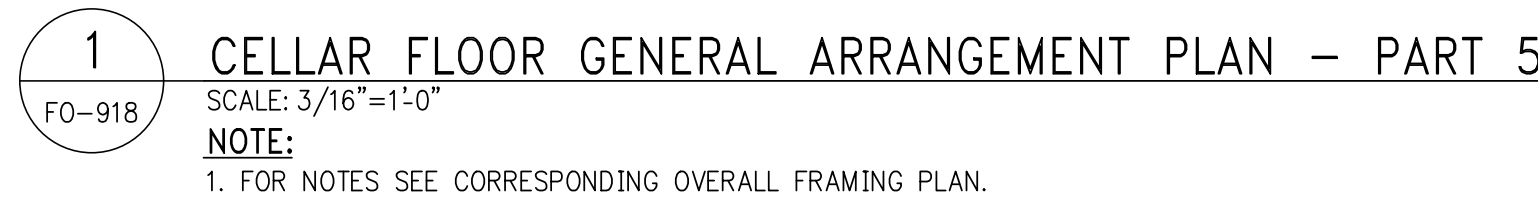
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FO-917.01

Sheet 17 of 306

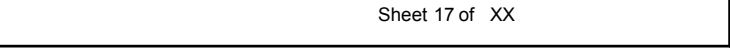




Sheet 17 of XX







▲ SEE DWG. FO-914

SEE DWG. FO-918

1 CELLAR FLOOR GENERAL ARRANGEMENT PLAN – PART 6

FO-919 SCALE: 3/16"=1'-0"