

DOMESTIC SYSTEM CISTERN CALCULATION

I. <u>DOMESTIC CISTERN</u>

45 UNITS x 300 GALLONS PER UNIT
= 13,500 GALLONS / DAY.

II. REQUIRED CISTERN CAPACITY

13,500 GALLONS PER DAY x 1/2 DAY CONSUMPTION = 6,750 GALLONS MINIMUM.

III. CAPACITY PROVIDED

CISTERN = $71'-6" \times 10'-0" = 715$ SQ. FT. (AREA) 715 SQ. FT. \times 5'-0" WATER HIGH + 2'-0" AIR CHAMBER = 3,575 CF WATER VOLUME \times 7.48 GALLONS / CF

= 26,740 GALLONS TOTAL CAPACITY

(2 DAYS CAP.)

AAA BILLING METHOD

= ALTERNATIVE "A"

VOLUME COMPLIES WITH A.A.A. MINIMUM REQUIREMENTS.

LEGEND:

CV

PRV

FV

FHC FIRE HOSE CABINET SANITARY FL. DR. FLOOR DRAIN SS STORM SEWER CLG. CEILING FIRE PUMP JOCKEY PUMP DOMESTIC PUMP SUMP PUMP BRAKE HORSE POWER HORSE POWER GPM GALLONS PER MINUTE TYP. TYPICAL DN. DOWN RAIN LEADER SANITARY STACK ROOF DRAIN VST VENTILATION STACK COP CLEAN OUT PLUG SR SEDIMENT REMOVER UNIT UV ULTRA VIOLET UNIT CCV CISTERN CONTROL VALVE CWLP CISTERN WATER LEVEL CONTROL ABOVE FINISH FLOOR

BACK FLOW PREVENTER

PRESSURE REDUCING VALVE

BUTTERFLY VALVE

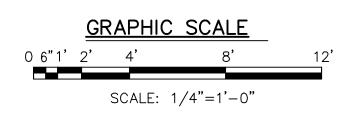
CHECK VALVE

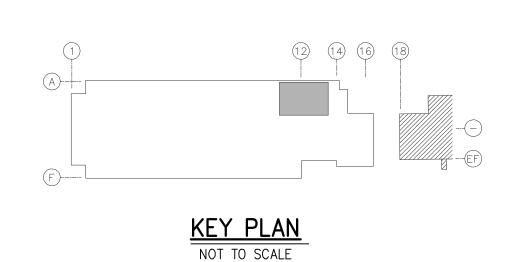
FLOAT VALVE

COLD WATER

HOSE BIBB







CONSTRUCTION SET
APRIL 18, 2008

file number: 2006-02-687 drawing name: BTSPR-P-3.0 drawing by: R.I.C. last drawing date: SEPT. 27, 2007

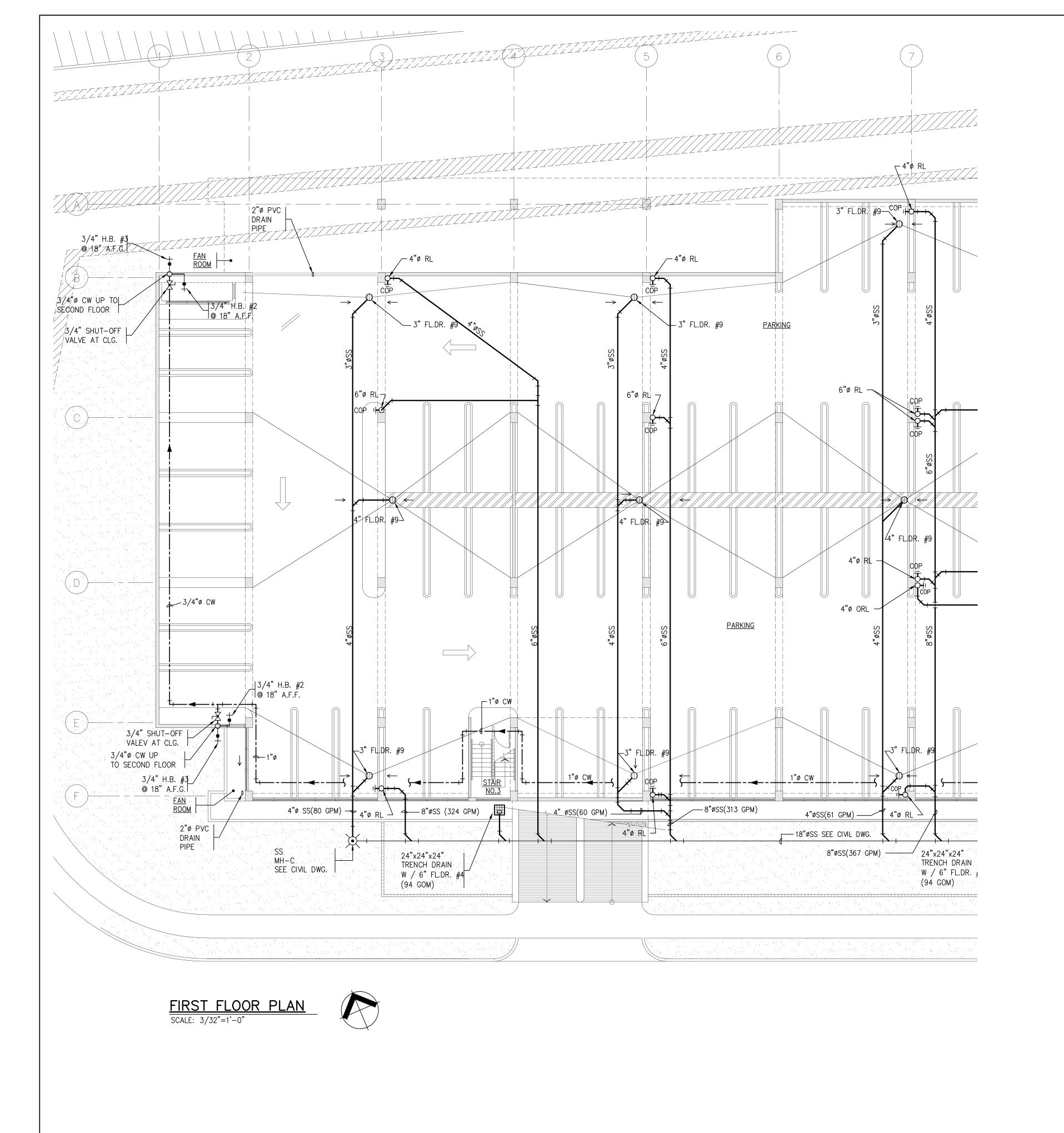
PLU PUMP ROOM AN

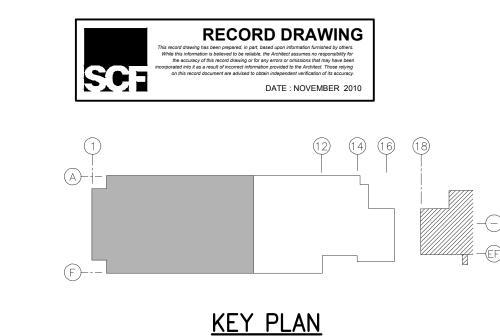
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etro Office Park

13 2nd Street, Met Guaynabo, P.R. 009

P-3.0

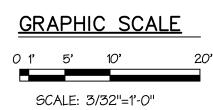


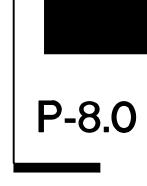


KEY PLAN

NOT TO SCALE

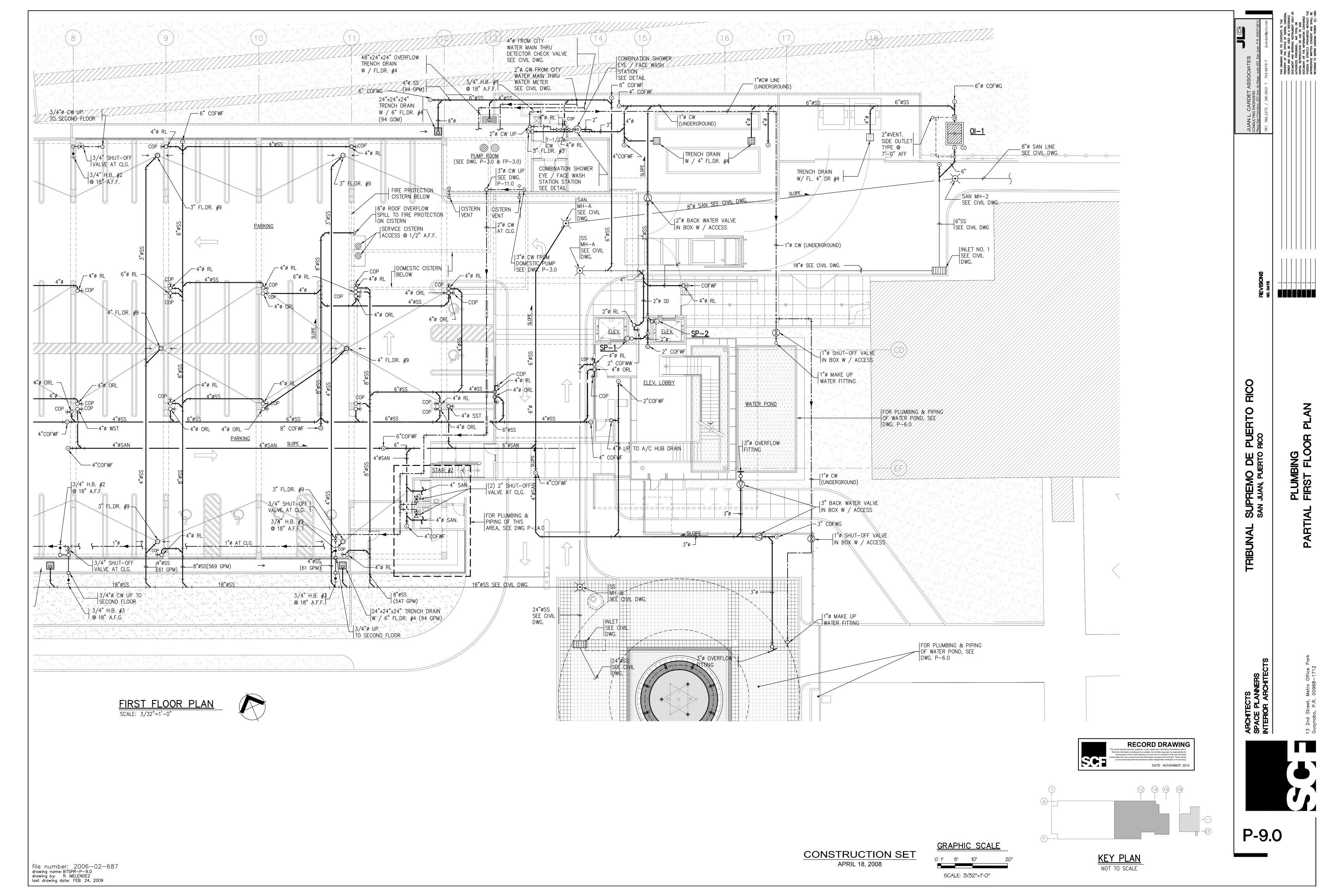
CONSTRUCTION SET APRIL 18, 2008

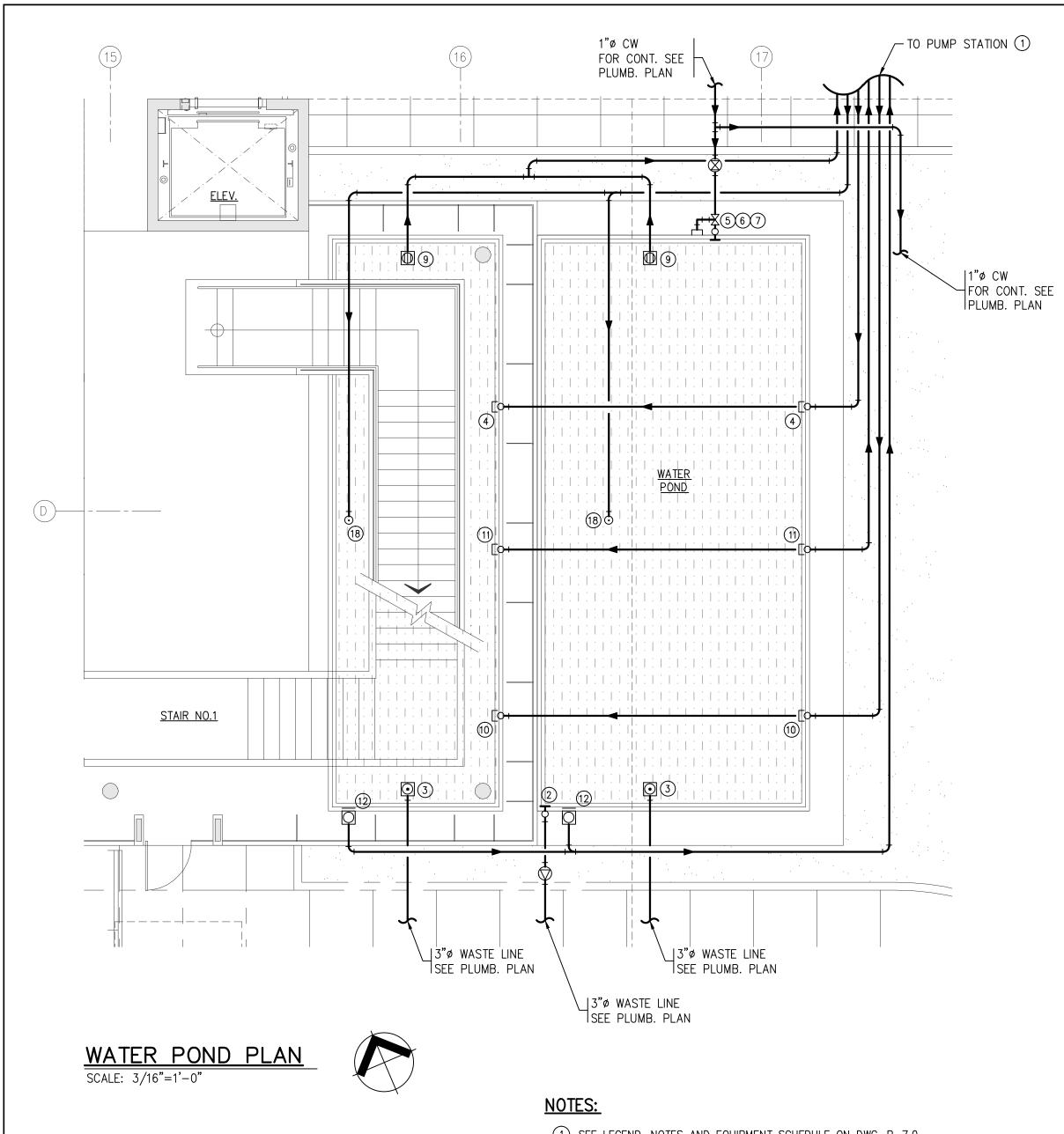




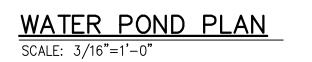
DE PUERTO

SUPREMO I SAN JUAN, PUEF



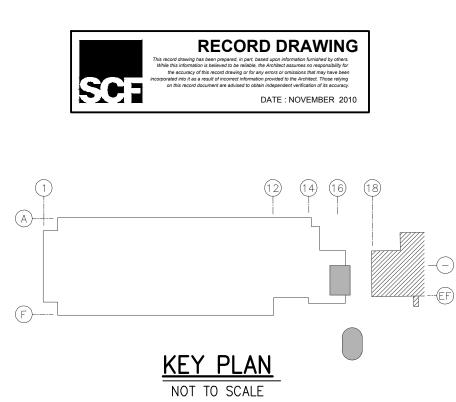


3"Ø WASTE LINE | SEE PLUMB. PLAN 1"Ø CW FOR CONT. SEE PLUMB. PLAN 3"Ø WASTE LINE SEE PLUMB. PLAN TO PUMP STATION (1) WATER POND WATER POND





- 1) SEE LEGEND, NOTES AND EQUIPMENT SCHEDULE ON DWG. P-7.0.
- 2 QUANTITIES FOR OVERFLOW, FLOOR DRAINS, INLET FITTINGS, LEVEL SENSOR, VACUUM FITTING, SKIMER LAMP, RING FITTING, PUMP, FILTER AND ANY OTHER EQUIPMENT AND / OR MATERIAL SHOWN ON THIS PLAN, SCHEDULE AND DIAGRAMS ARE FOR REFERENCE ONLY. IT SHALL BE RESPONSIBILITY OF MECHANICAL CONTRACTOR AND WATER POND / POOL CONTRACTOR TO DETERMINE FROM DRAWING THE EXACT PIPE SIZE, FIXTURES AND FITTING SIZES AND NUMBER OF
- 3) SEE WATER POND GENERAL NOTE ON DWG. P-7.0 AND GENERAL SPECS. FOR ADDITIONAL INFORMATION.



CONSTRUCTION SET

APRIL 18, 2008

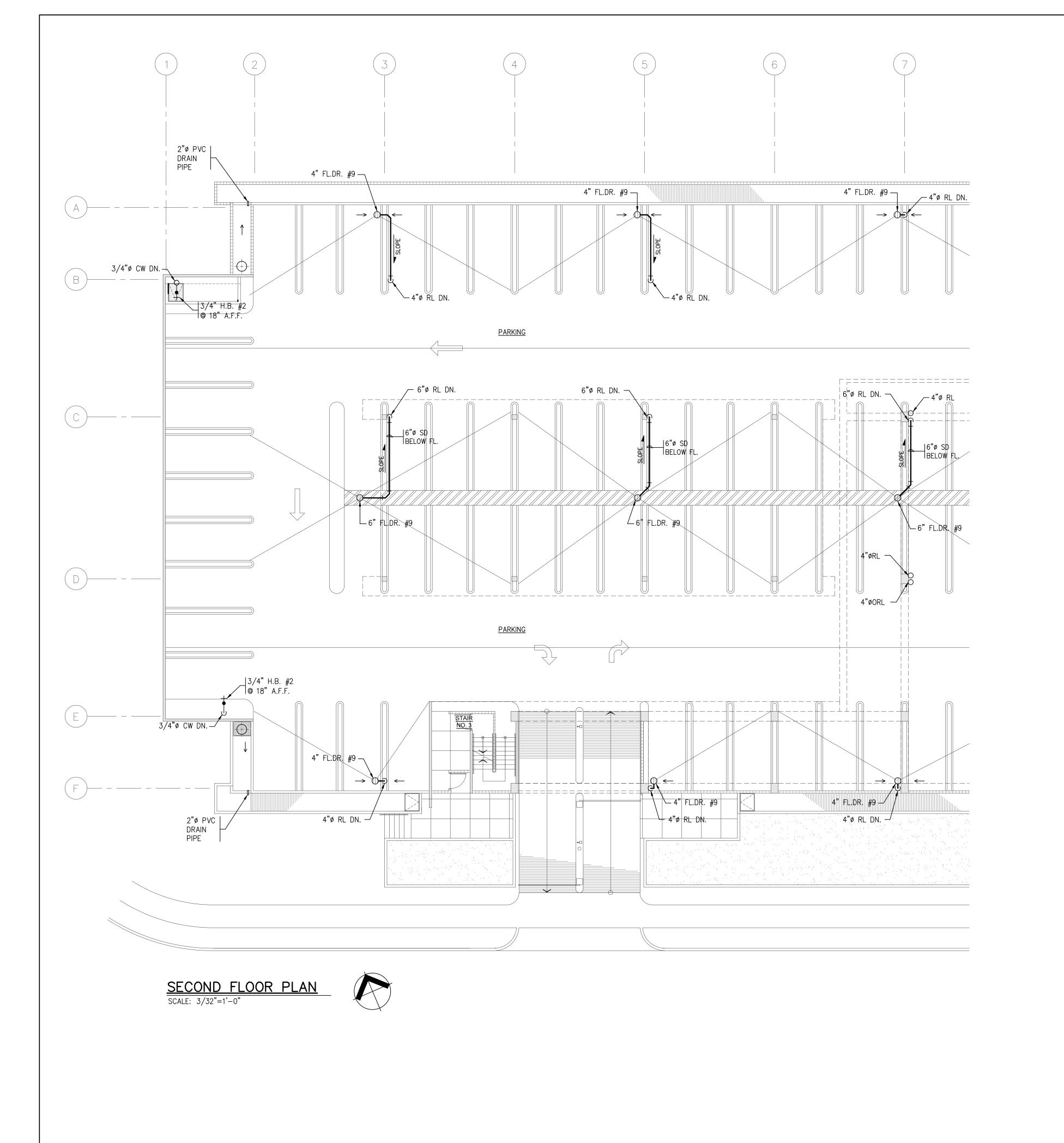
GRAPHIC SCALE

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

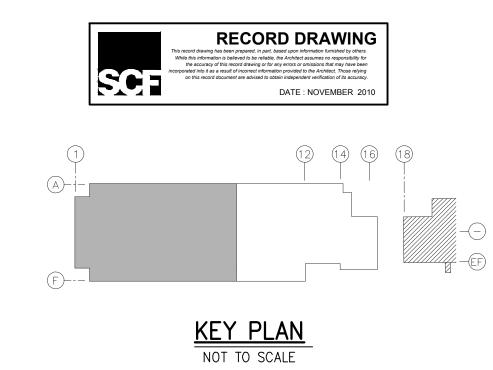
file number: 2006-02-687 drawing name: BTSPR-P-6.0 drawing by: R. MELENDEZ last drawing date: FEB. 24, 2009

DE RTO

P-6.0



file number: 2006-02-687 drawing name: BTSPR-P-10.0 drawing by: R. MELENDEZ last drawing date: FEB. 24, 2009



CONSTRUCTION SET
APRIL 18, 2008

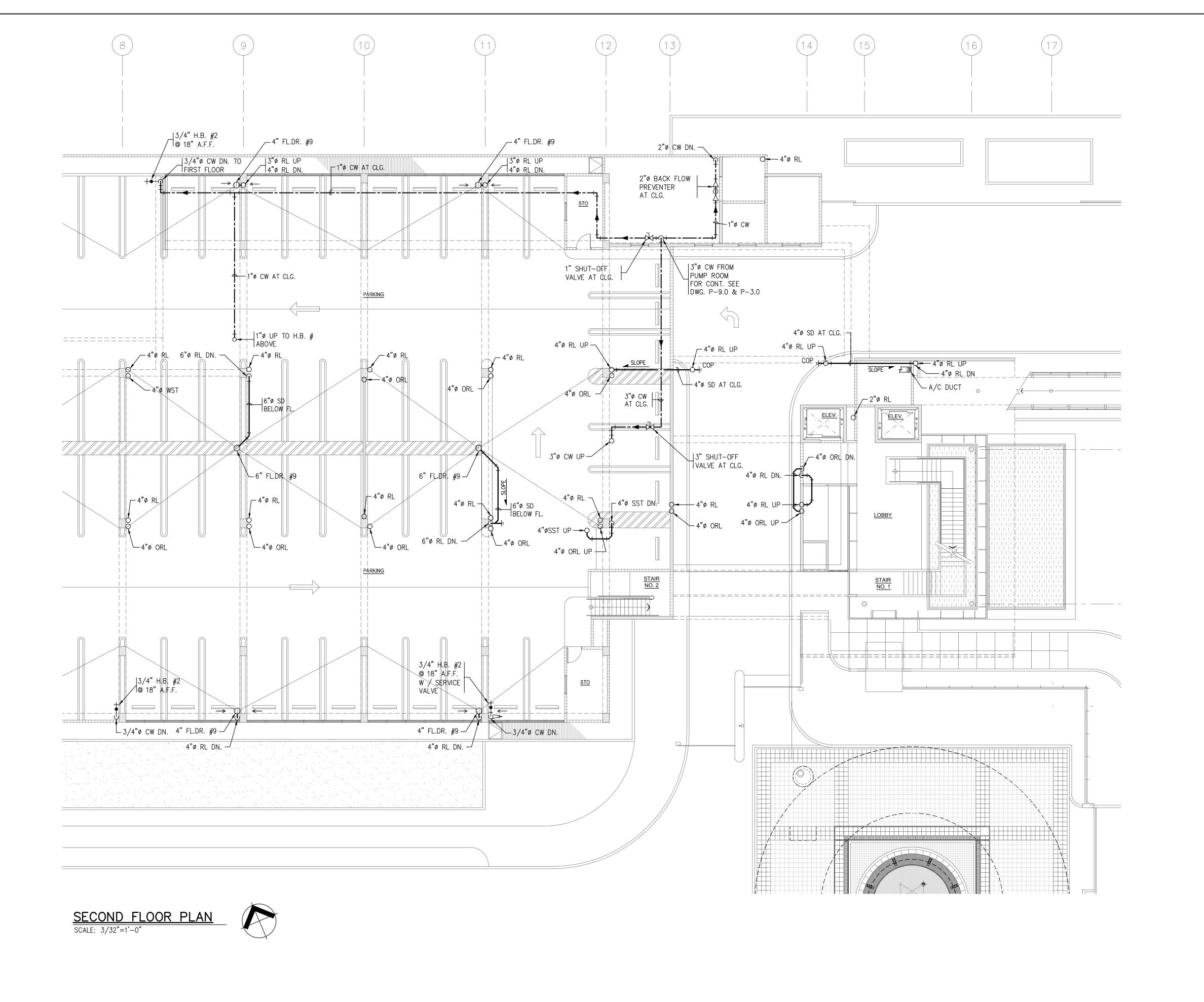
GRAPHIC SCALE

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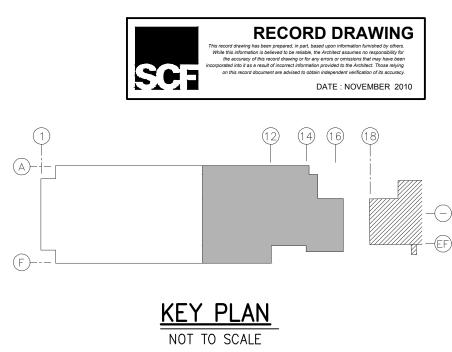
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P-10.0

DE PUERTO ERTO RICO



file number: 2006–02–687 drawing name: BTSPR–P–11.0 drawing by: R. MELENDEZ last drawing date: FEB. 24, 2009



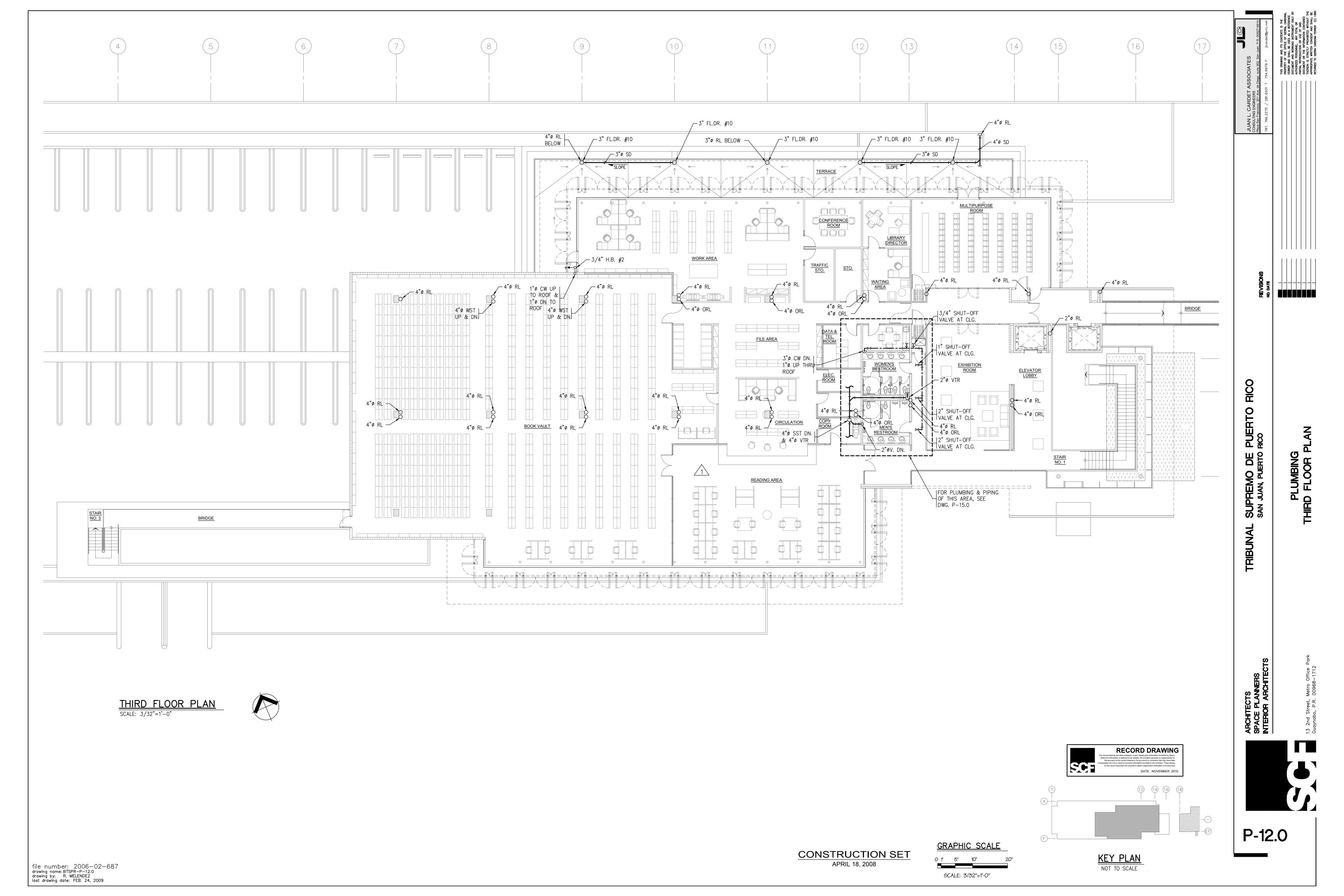
CONSTRUCTION SET APRIL 18, 2008

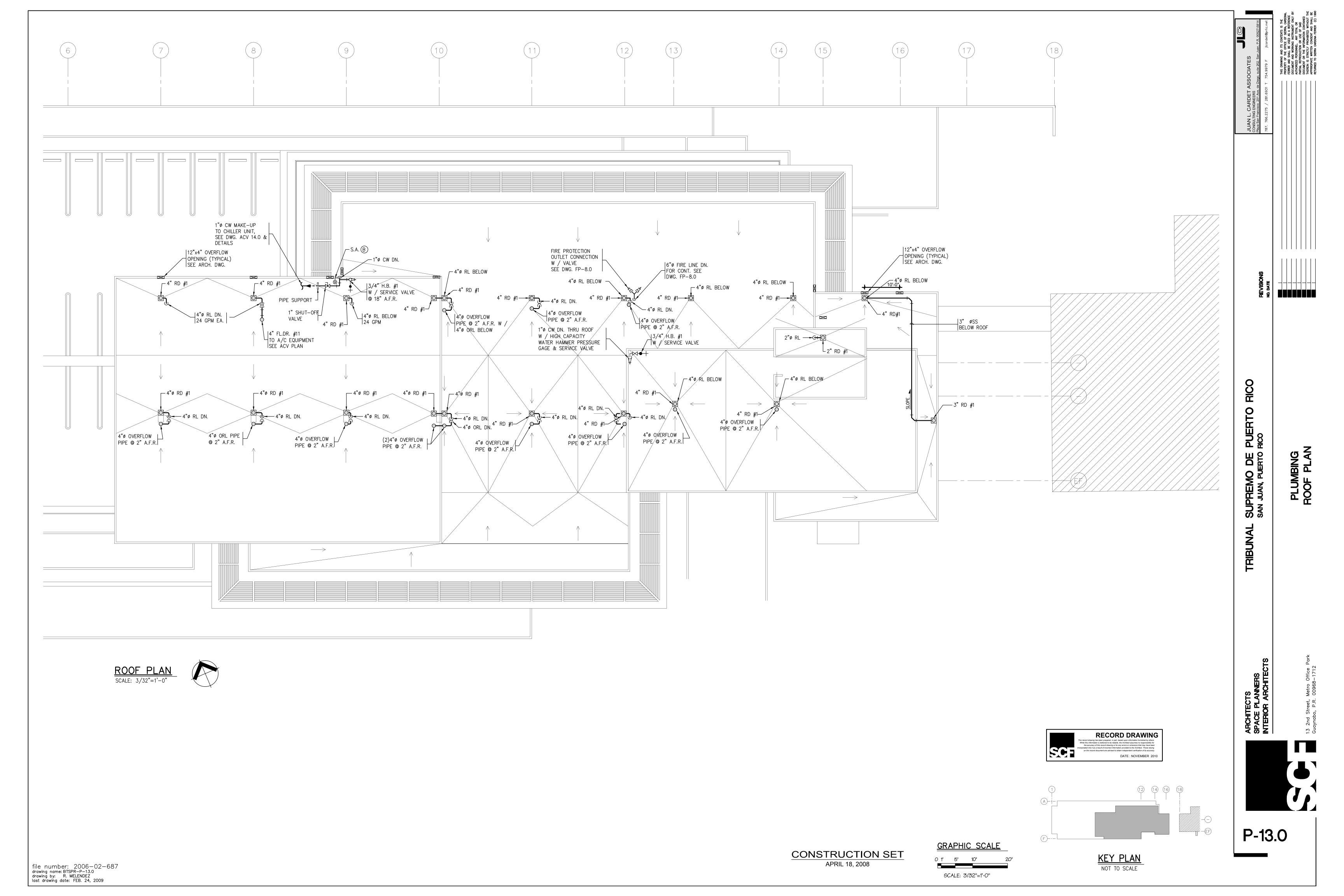
GRAPHIC SCALE 0 1' 5' 10' SCALE: 3/32"=1'-0"

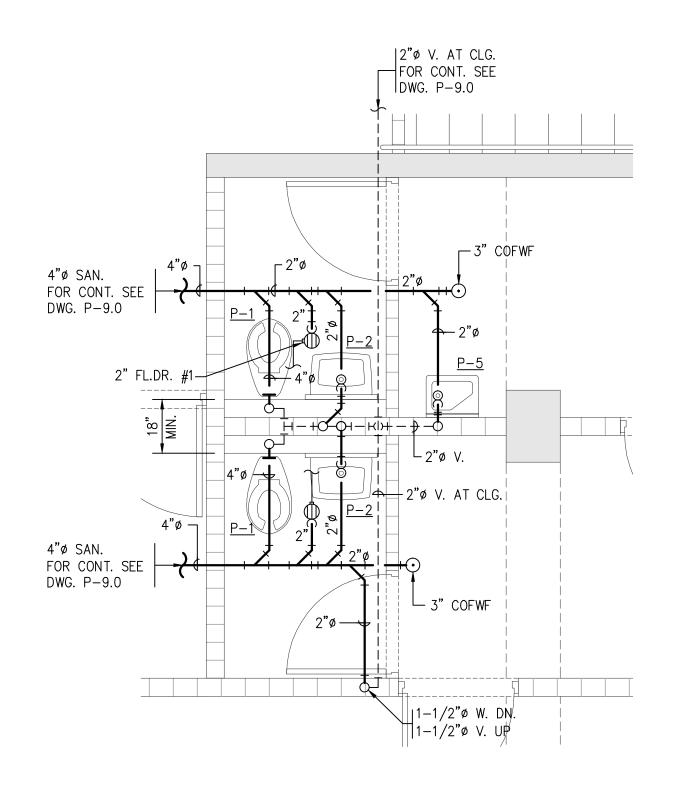
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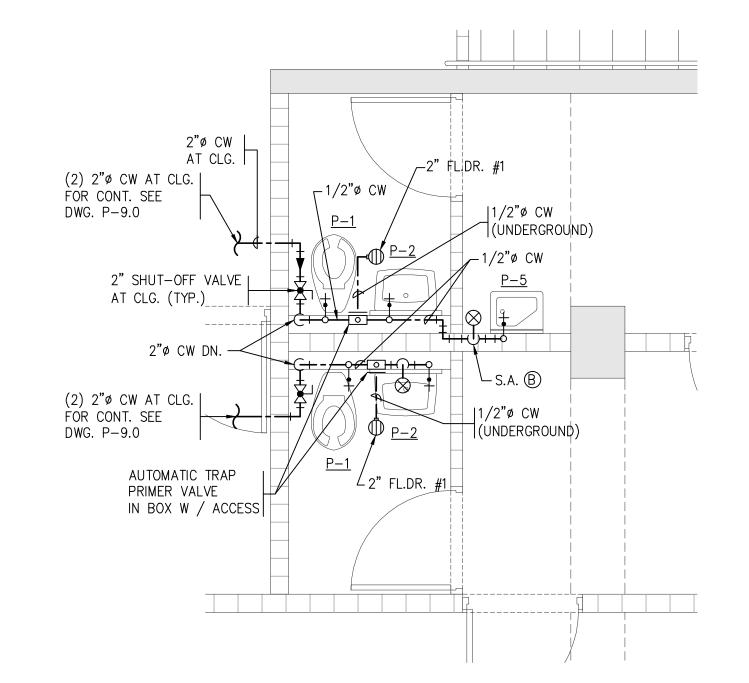
DE PUERT(ERTO RICO

SUPREMO I









TOILET ROOM #1 & 2 AT GROUND FLOOR

SANITARY LAYOUT

SCALE: 3/8"=1'-0"

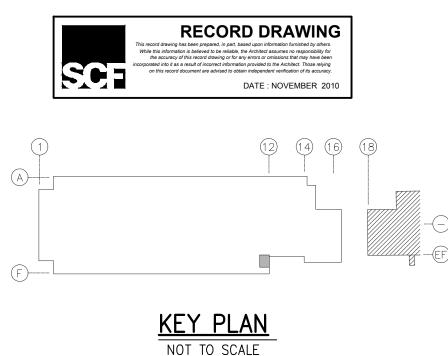


TOILET ROOM #1 & 2 AT GROUND FLOOR

DOMESTIC WATER LAYOUT

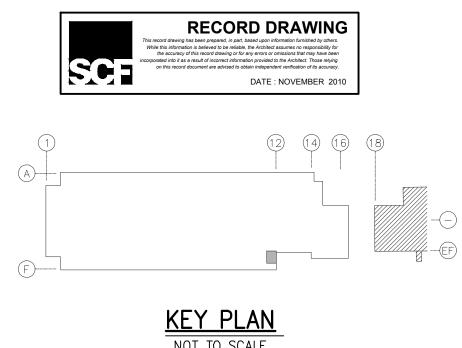
SCALE: 3/8"=1'-0"





GRAPHIC SCALE

SCALE: 3/8"=1'-0"



KEY PLAN

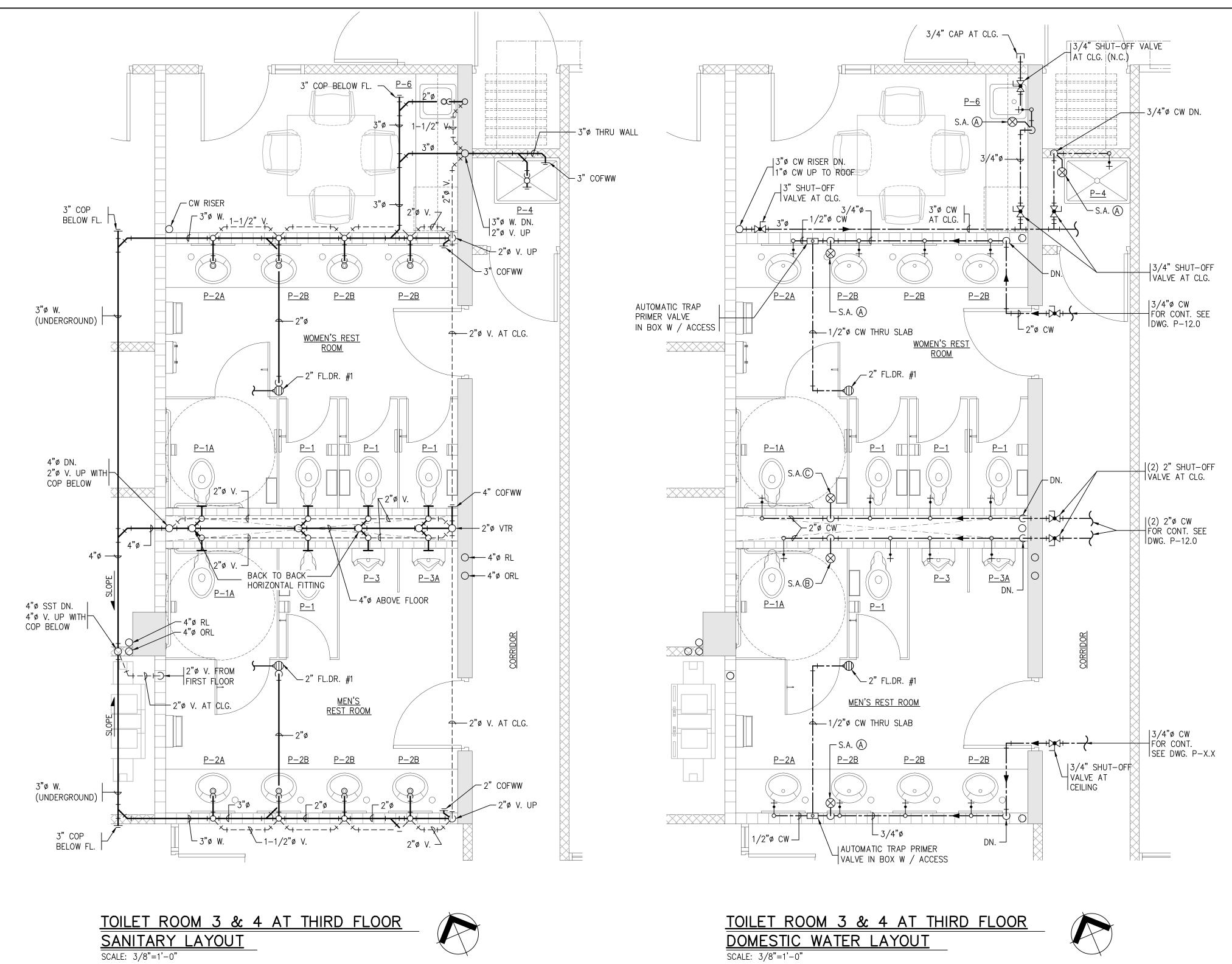
NOT TO SCALE

CONSTRUCTION SET APRIL 18, 2008

file number: 2006-02-687 drawing name: BTSPR-P-14.0 drawing by: R. MELENDEZ last drawing date: FEB. 24, 2009

DE PUERTO ERTO RICO

P-14.0

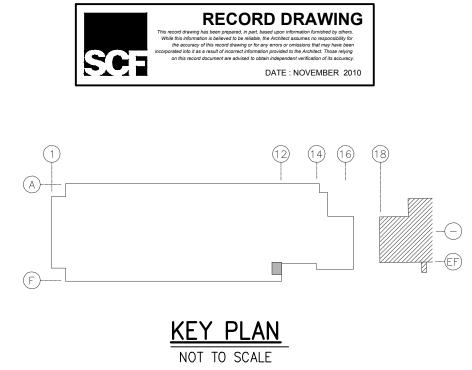


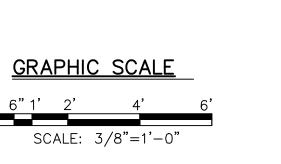


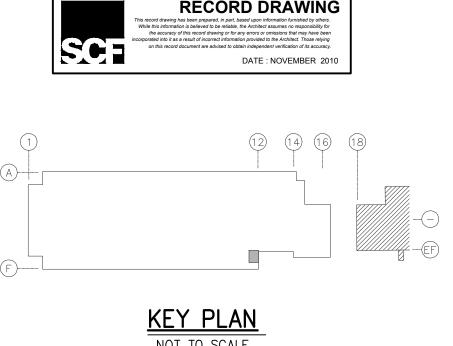
DOMESTIC WATER LAYOUT

SCALE: 3/8"=1'-0"





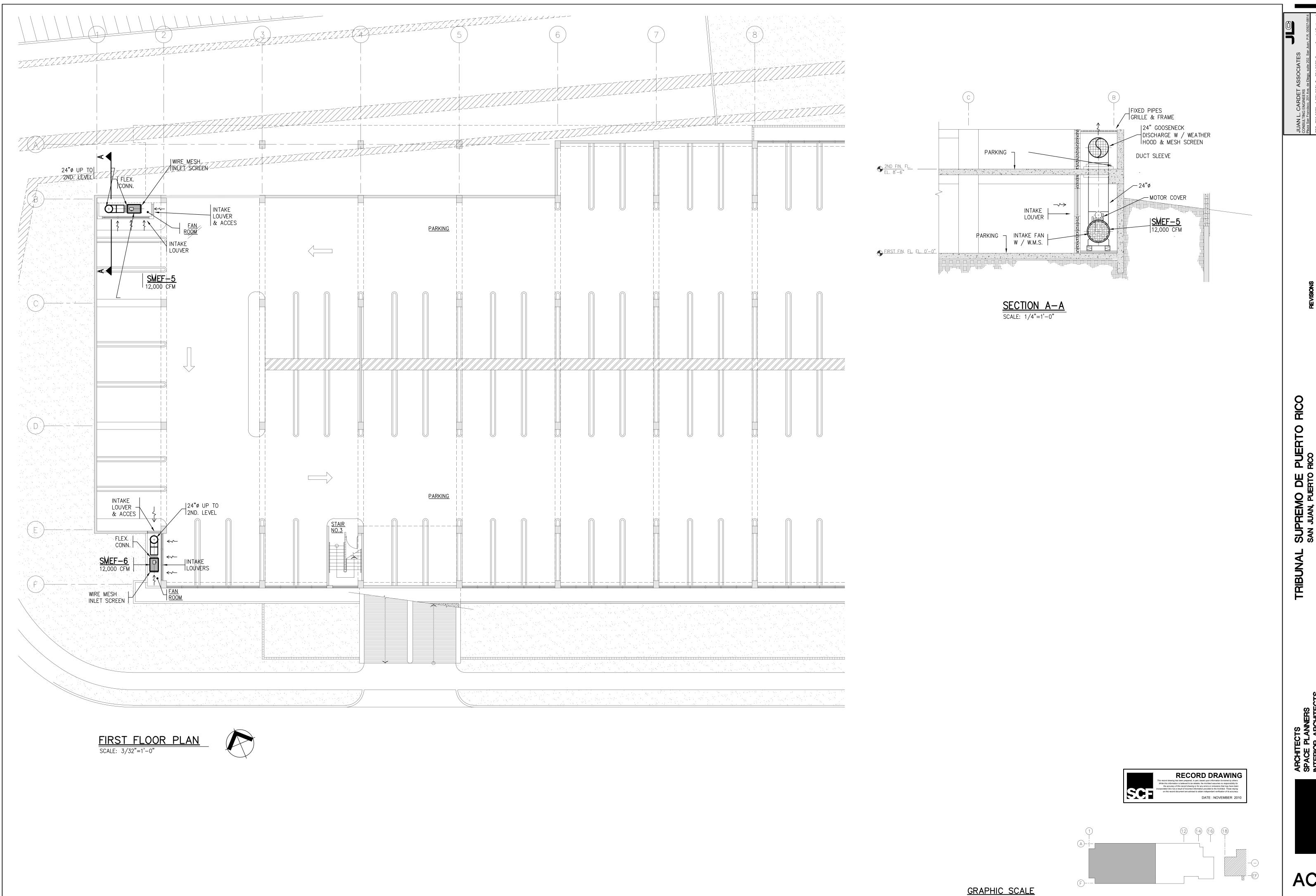




DE RTO

P-15.0

file number: 2006-02-687 drawing name: BTSPR-P-15.0 drawing by: R. MELENDEZ last drawing date: FEB. 24, 2009



file number: 2006-02-687 drawing name: BTSPR-ACV-5.0 drawing by: R. MELENDEZ last drawing date: FEB. 24, 2009

CONSTRUCTION SET

APRIL 18, 2008

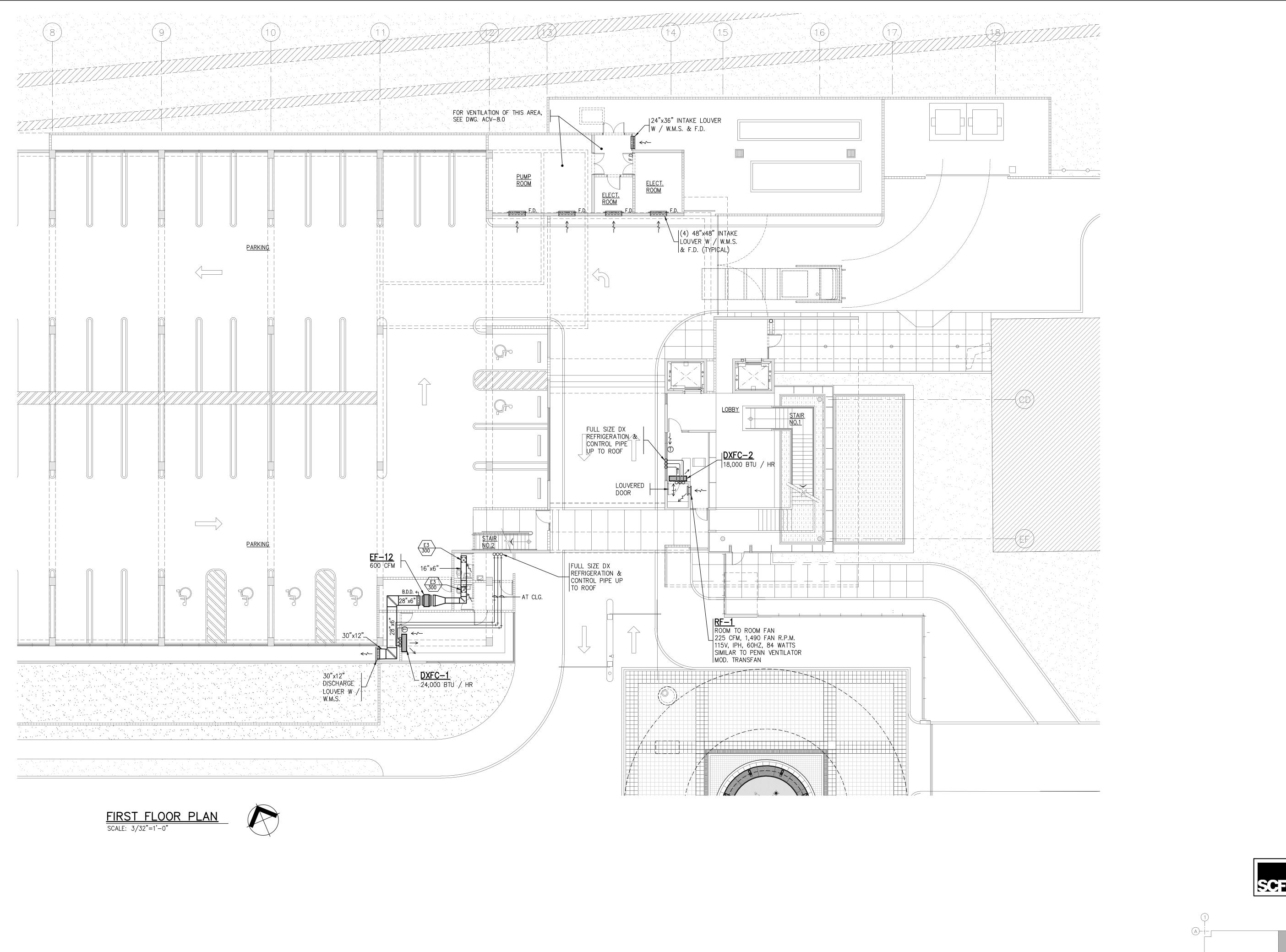
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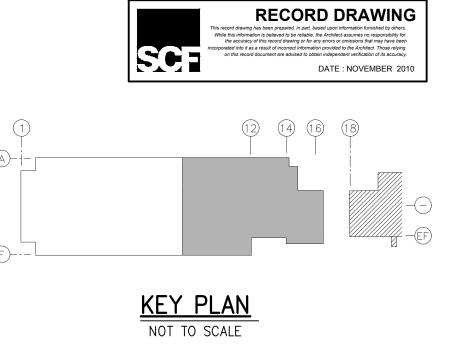
ACV-5.0

KEY PLAN

NOT TO SCALE



file number: 2006-02-687 drawing name: BTSPR-ACV-6.0 drawing by: R. MELENDEZ last drawing date: FEB. 24, 2009



CONSTRUCTION SET APRIL 18, 2008

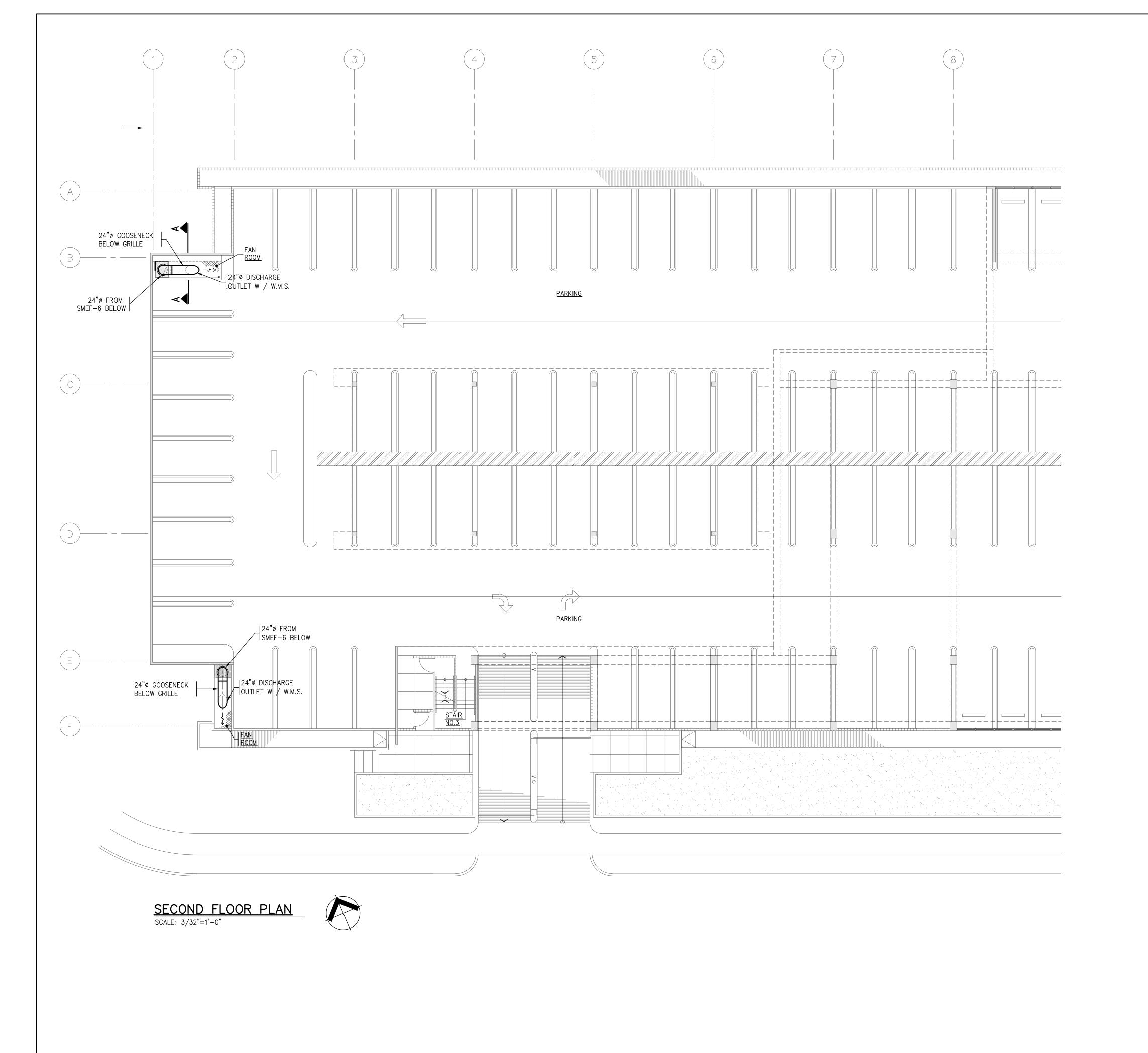
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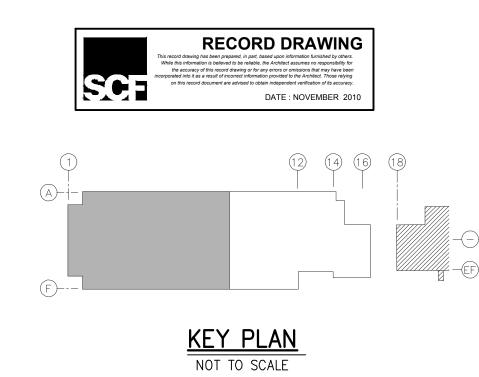
ACV-6.0

DE PUERTO

SUPREMO SAN JUAN, PUE

CONDITIONING AN PARTIAL FIRST F

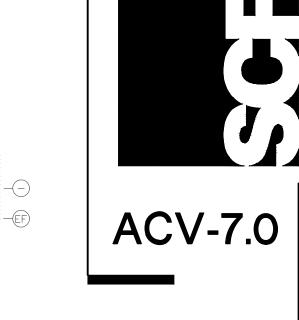




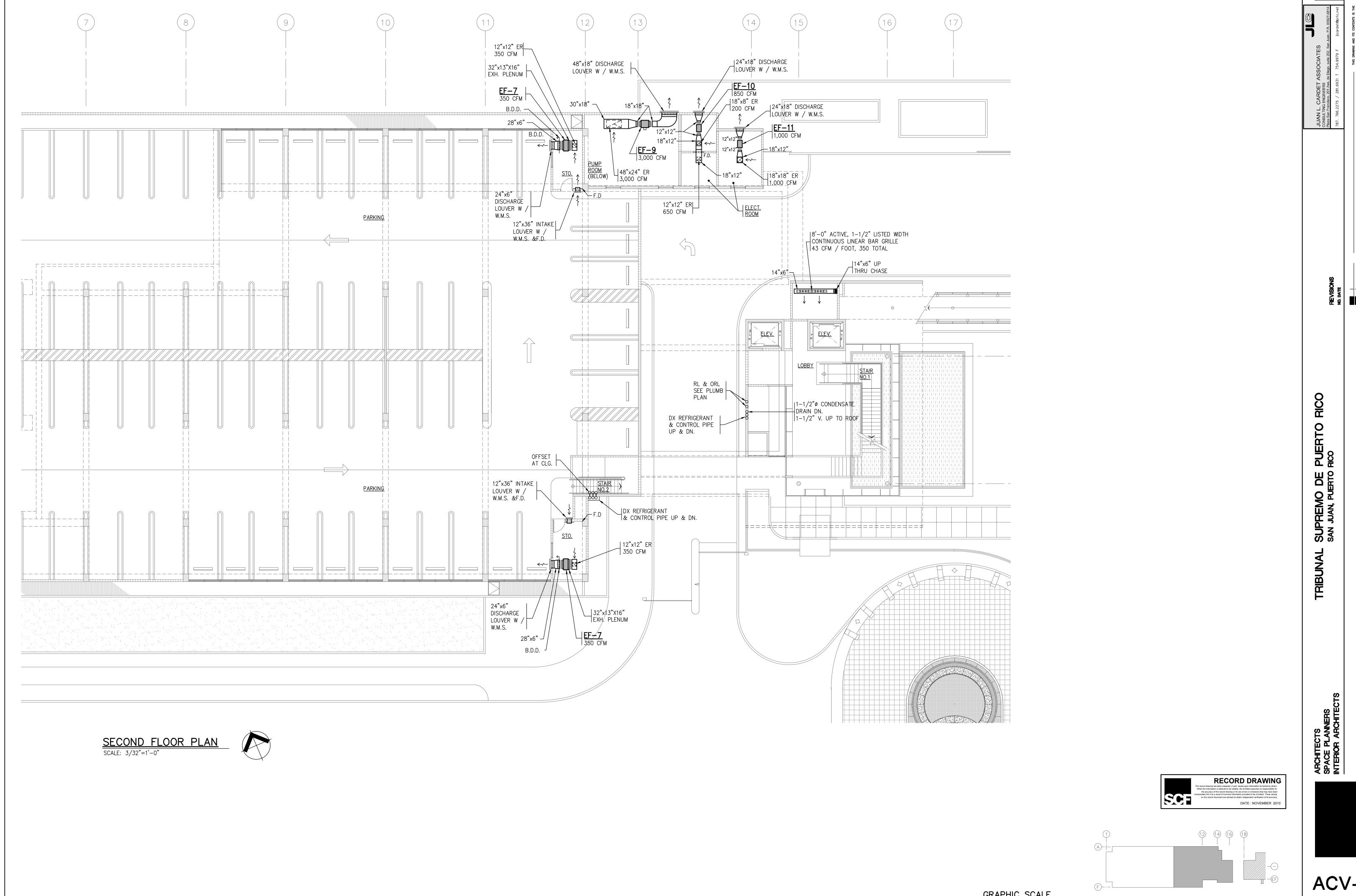
GRAPHIC SCALE

0 1' 5' 10' 20'

9CALE: 3/32"=1'-0"

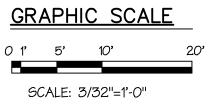


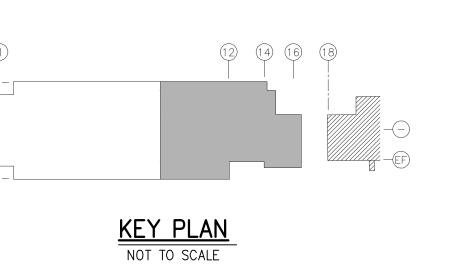
SUPREMO I



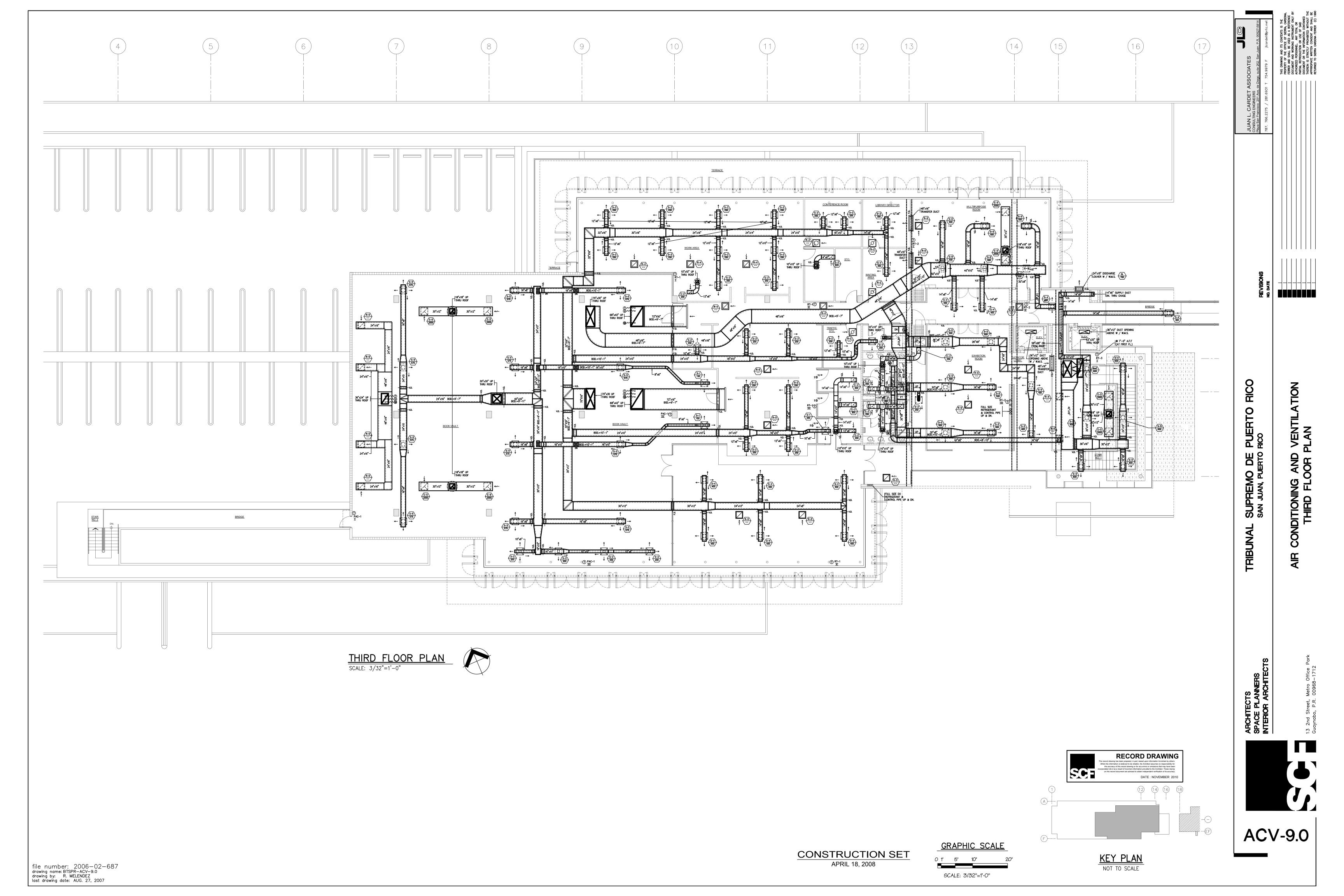
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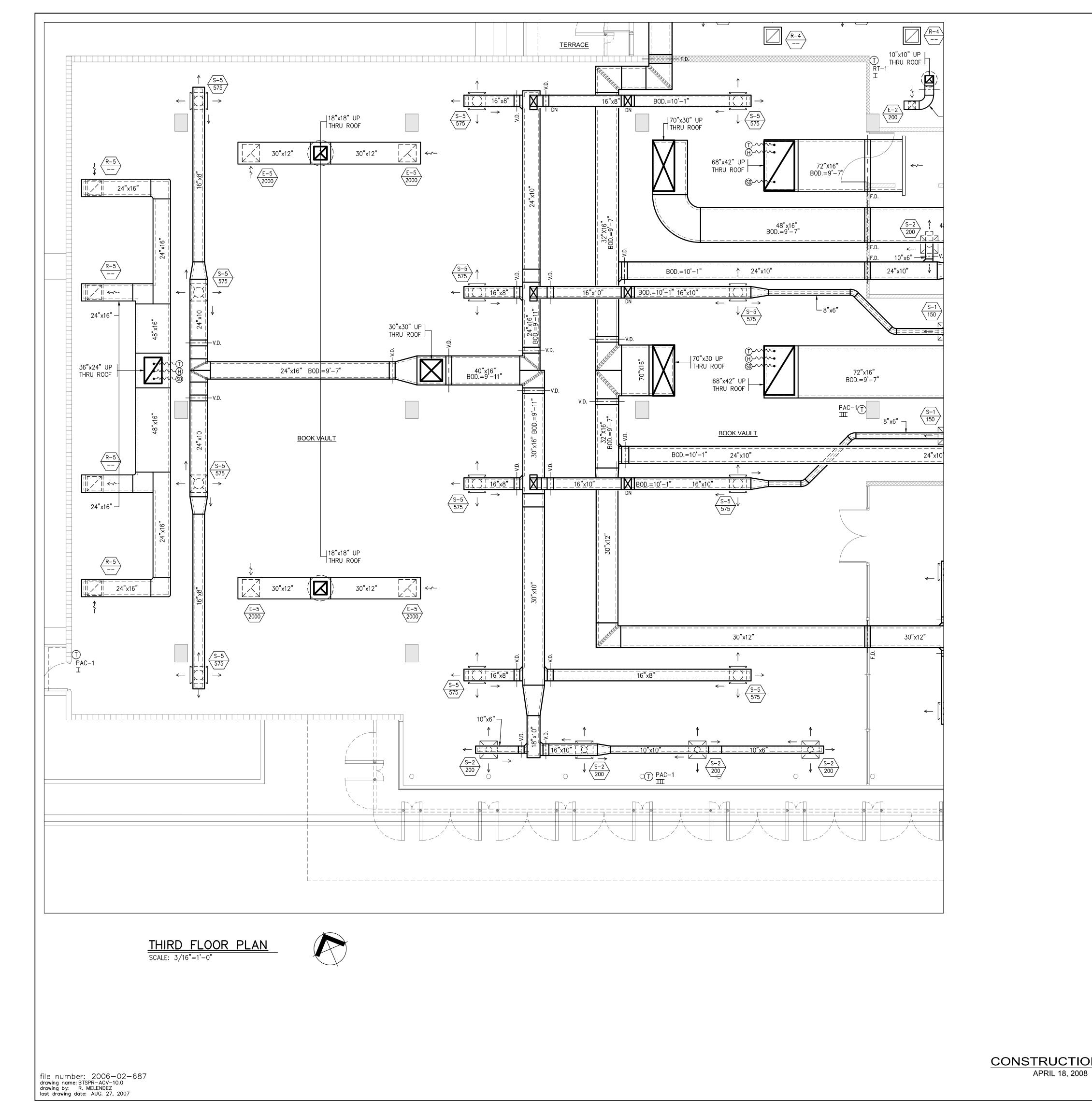
CONSTRUCTION SET APRIL 18, 2008



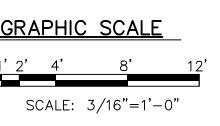


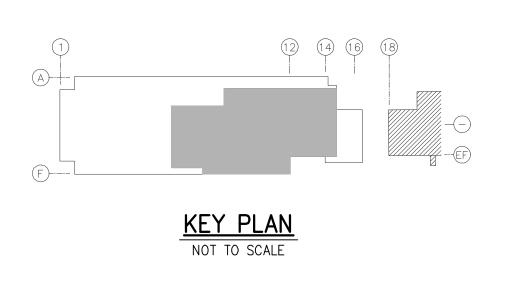
ACV-8.0

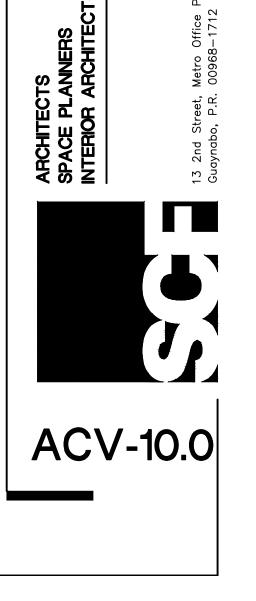






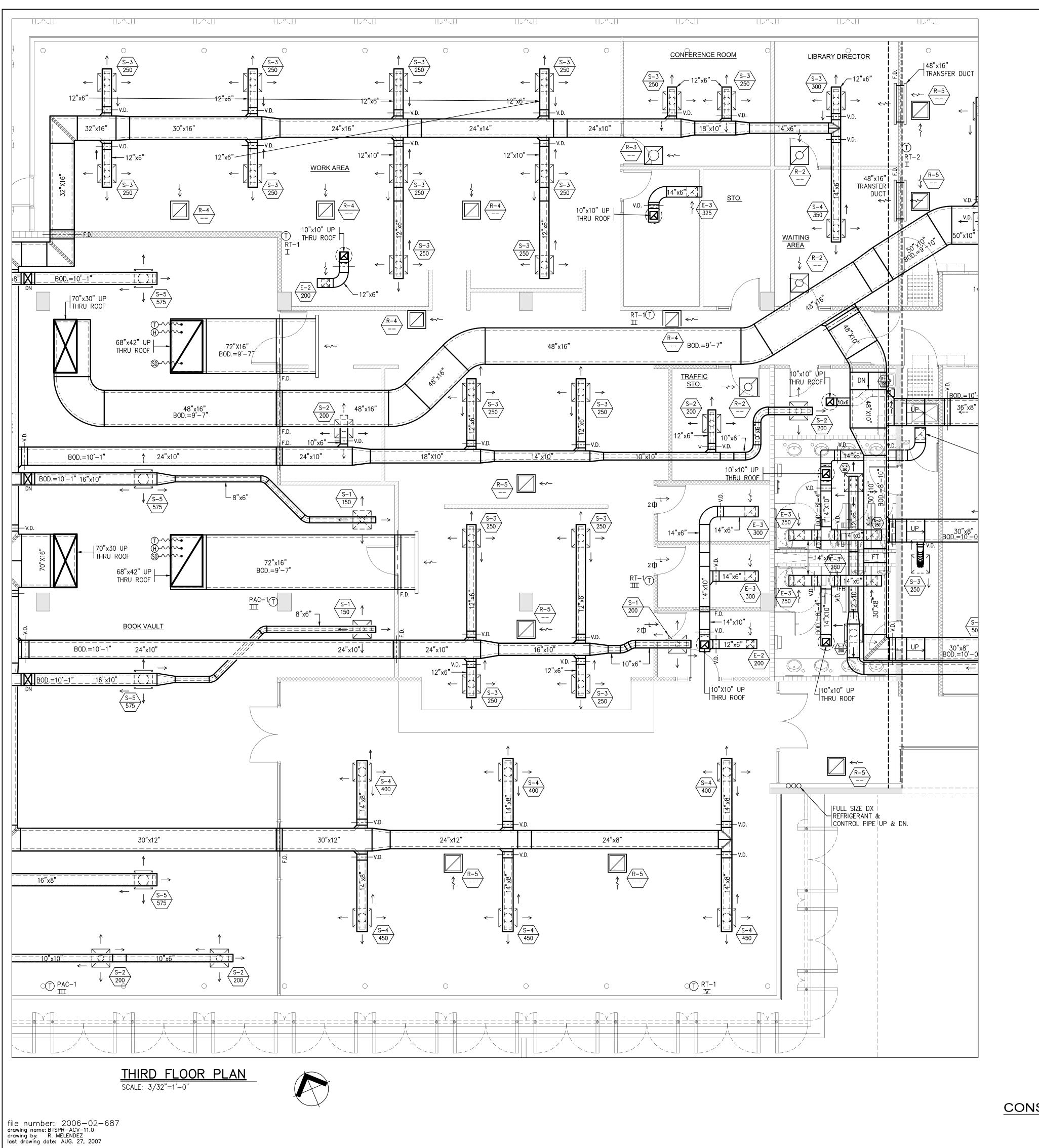


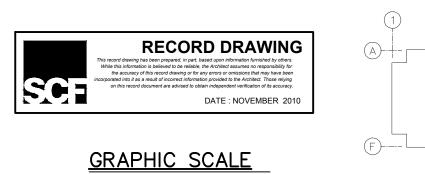


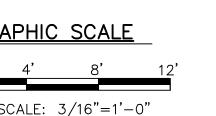


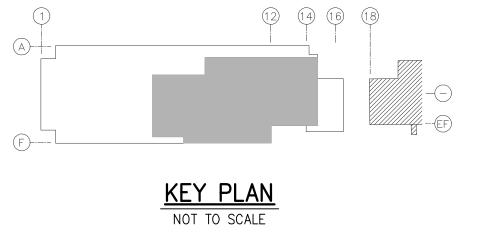
DE PUERTO ERTO RICO

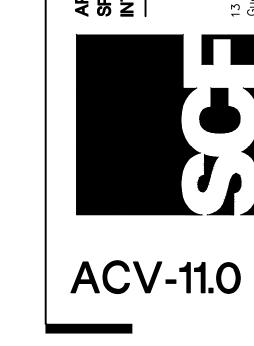
SUPREMO I









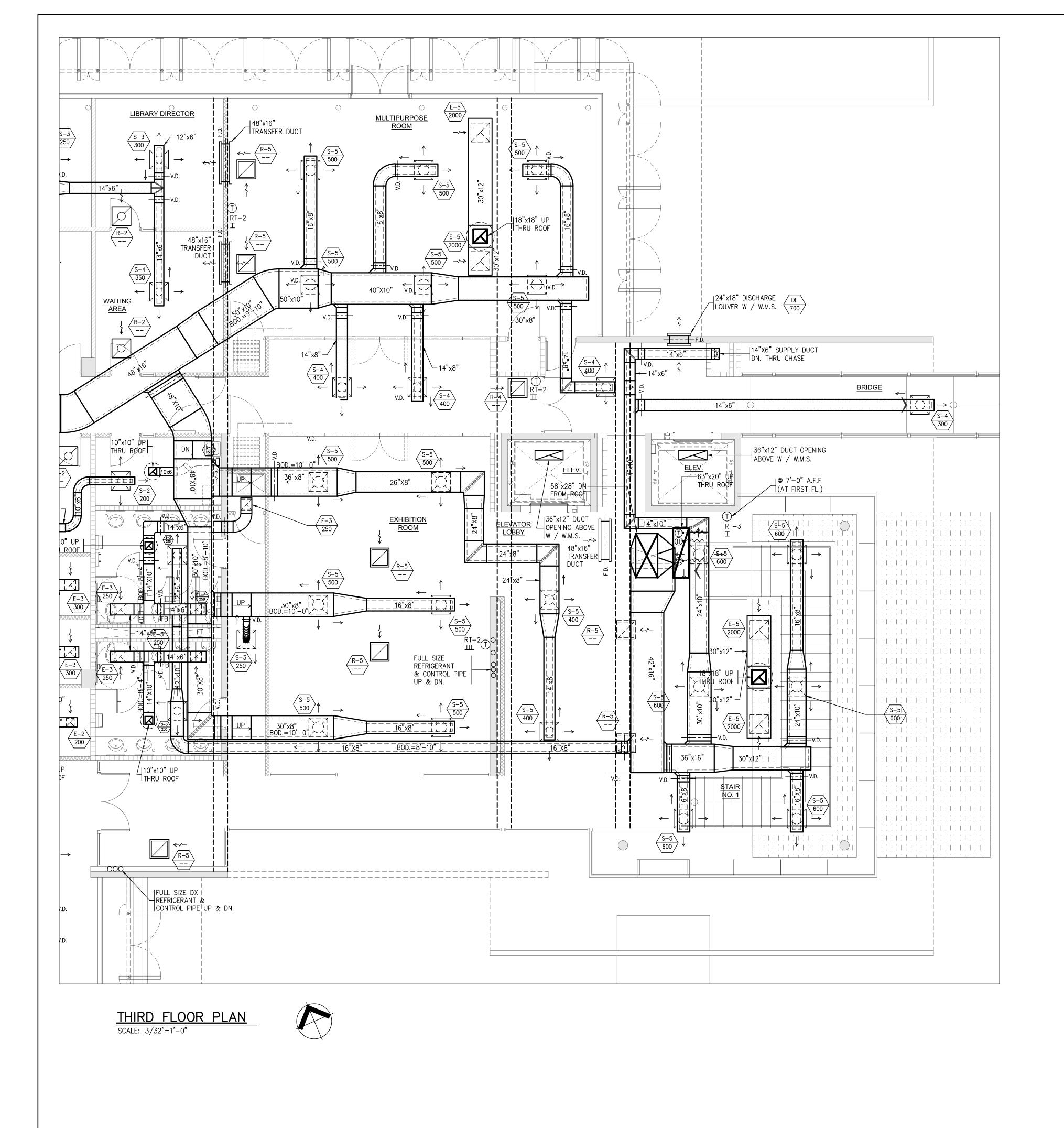


DE PUERTO ERTO RICO

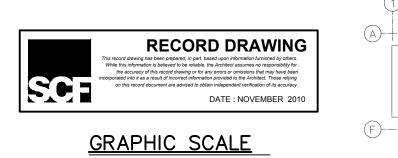
SUPREMO I SAN JUAN, PUEF

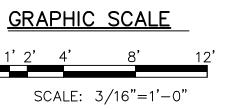
CONSTRUCTION SET APRIL 18, 2008

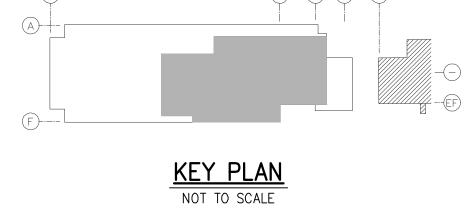
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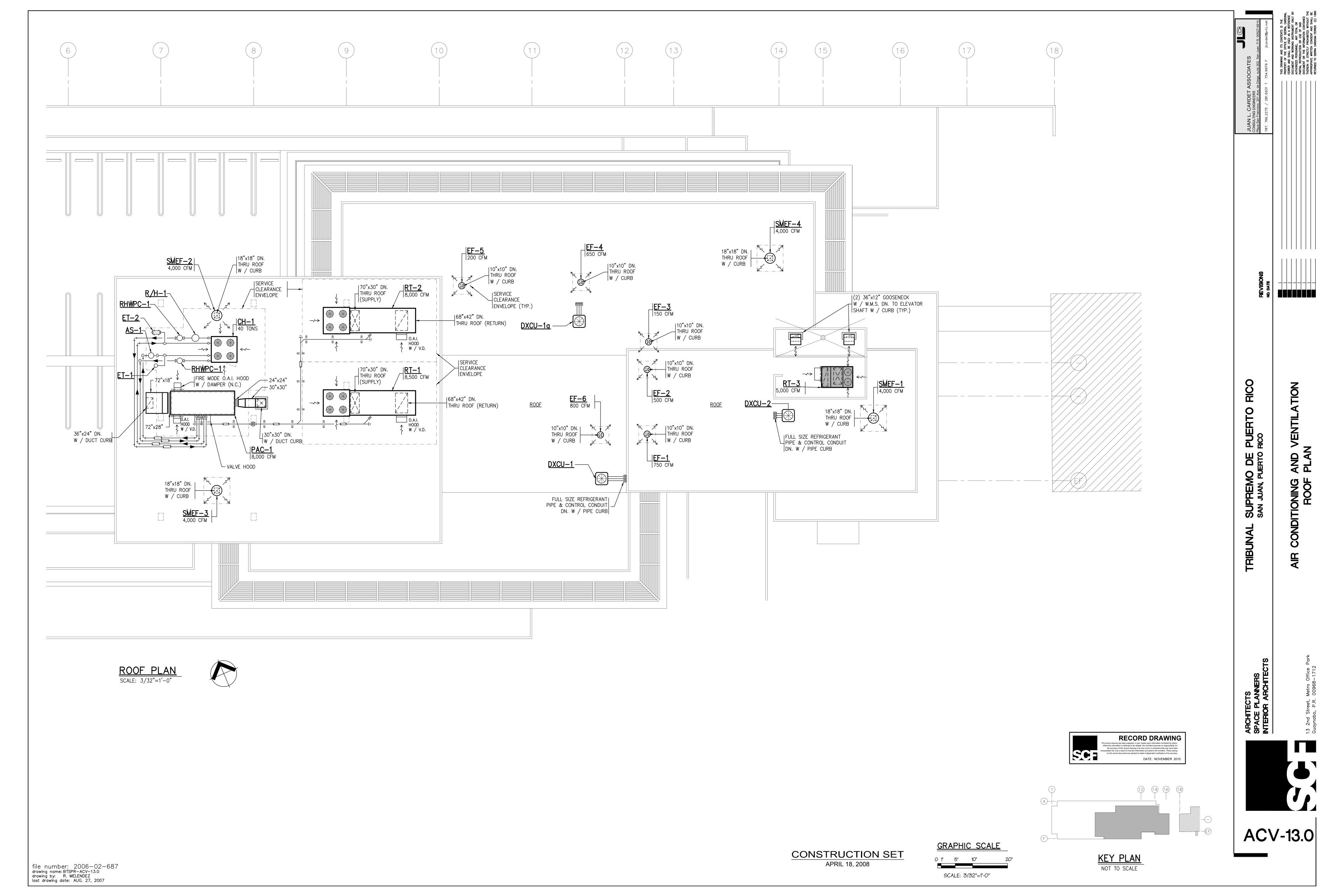


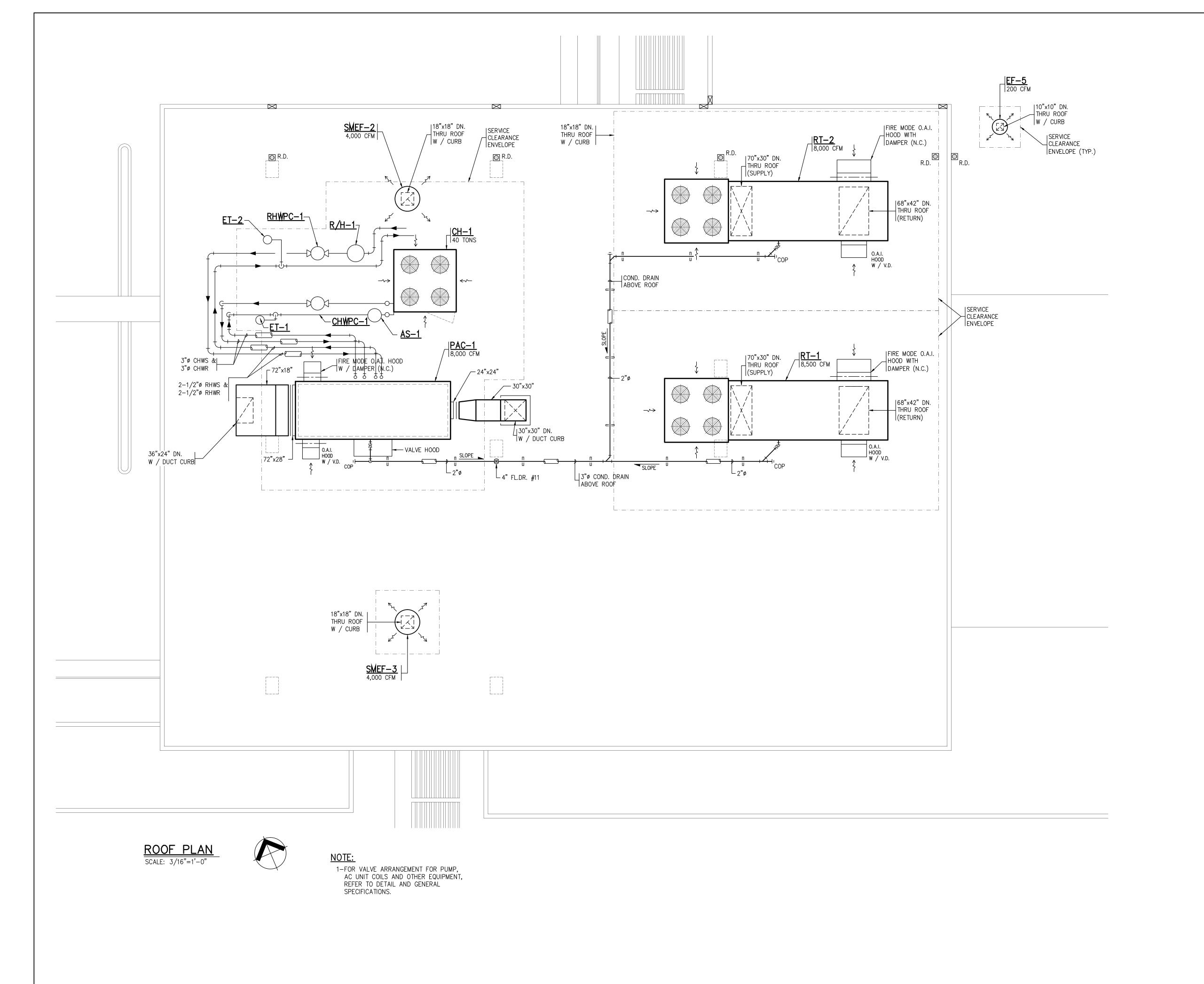
DE PUERTO

SUPREMO I SAN JUAN, PUEF

CONSTRUCTION SET

APRIL 18, 2008





RECORD DRAWING DATE: NOVEMBER 2010 12 14 16 18 KEY PLAN NOT TO SCALE

GRAPHIC SCALE 0 1' 5' 10' SCALE: 3/32"=1'-0"

ACV-14.0

SUPPEMO I