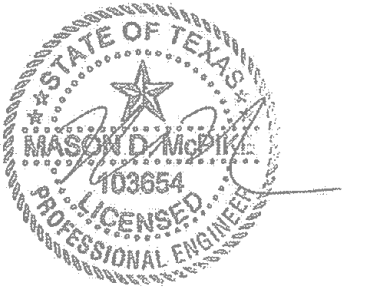


TYPOLOGY 21

Commercial/Data Center

ISSUES		
1	02/02/2015	ISSUE FOR PERMIT
2	03/09/2015	PROGRESS SET
3	03/30/2015	ISSUE FOR PRICING
4	06/08/2015	ISSUE FOR CONSTRUCTION
5		
6		
7		
8		
9		
10		

REVISIONS		
1	05/04/2015	REVISED ISSUE FOR PERMIT
2	06/08/2015	ISSUE FOR CONSTRUCTION
3	07/01/2015	PCR 002
6	08/12/2015	PCR 005



08/12/2015

Austin Met III

7100 Metropolis Dr.
Austin, TX 78744



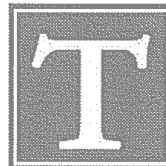
A	C	E
B	D	F

PLUMBING PLAN -
AREA D

JOB 14123.0000
DATE 03/30/2015
SHEET

P01.01D

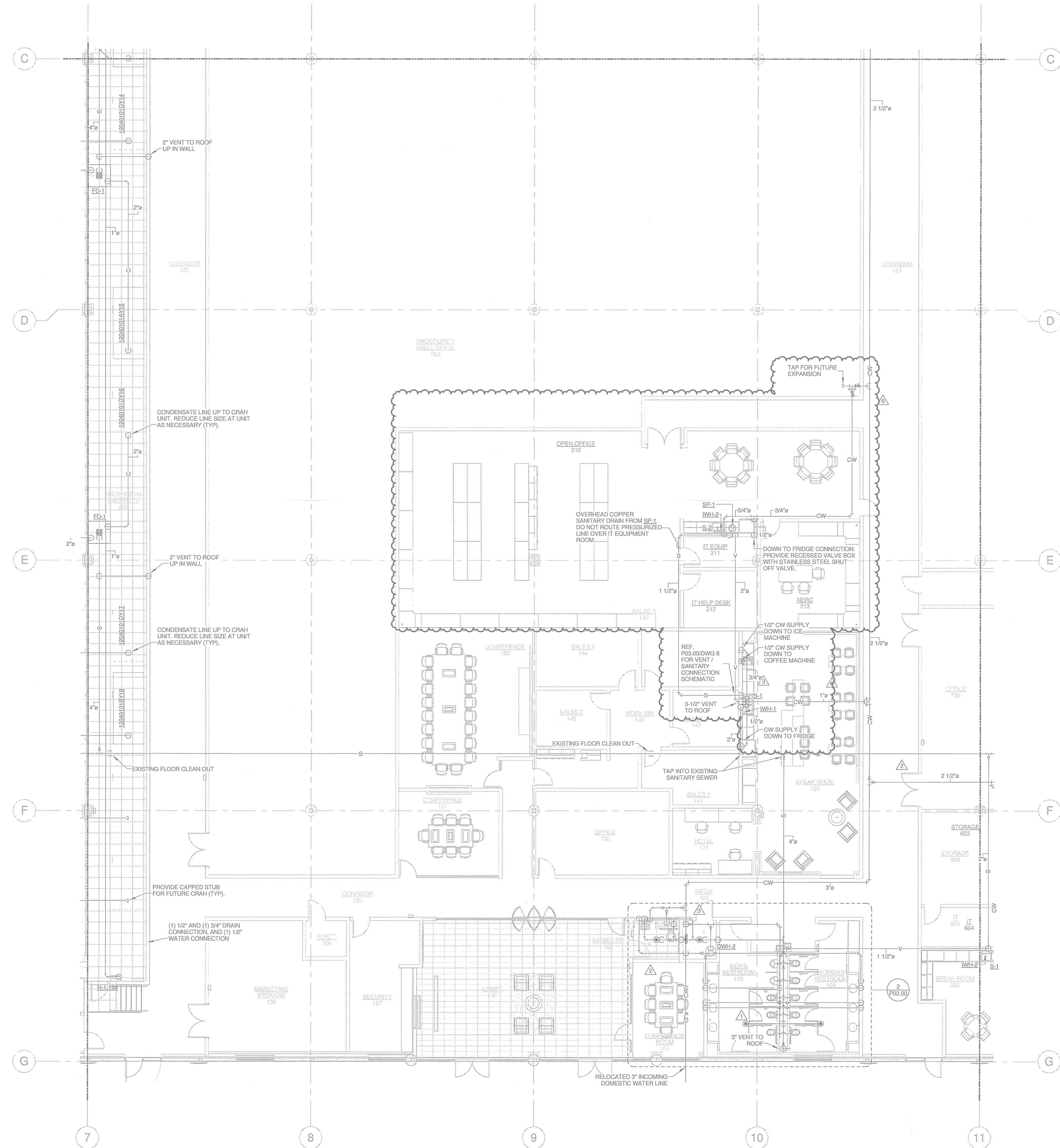
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MASON MCPKE, PE #103654, ON AUGUST 12, 2015. ALTERATION OF A SEALED DOCUMENT WITHOUT THE PRIOR WRITTEN CONSENT OF THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF TELIOS, INC., 3535 TRAVIS ST., STE 115, DALLAS, TX, 75204.



TELIOS
MEP&T CONSULTING ENGINEERS

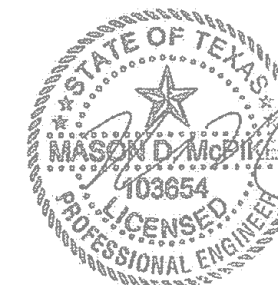
3535 TRAVIS ST.
SUITE 115
DALLAS, TX 75204

PH: 214.744.6199
FX: 214.744.0770



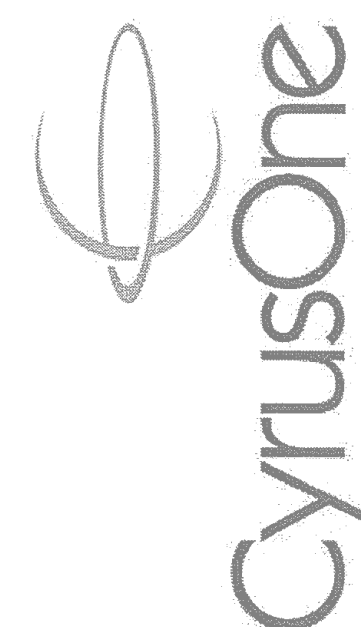
① PLUMBING PLAN - AREA D
1/8" = 1'-0"

ISSUES	
1	02/02/2015 ISSUE FOR PERMIT
2	03/09/2015 PROGRESS SET
3	03/30/2015 ISSUE FOR PRICING
4	06/08/2015 ISSUE FOR CONSTRUCTION
5	
6	
7	
8	
9	
10	
REVISIONS	
2	06/08/2015 ISSUE FOR CONSTRUCTION
3	07/01/2015 PCR 002
6	08/12/2015 PCR 005



08/12/2015

Austin Met III
7100 Metropolis Dr.
Austin, TX 78744



A	C	E
B	D	F

PLUMBING PLAN -
AREA F

JOB 14123.0000
DATE 03/30/2015
SHEET

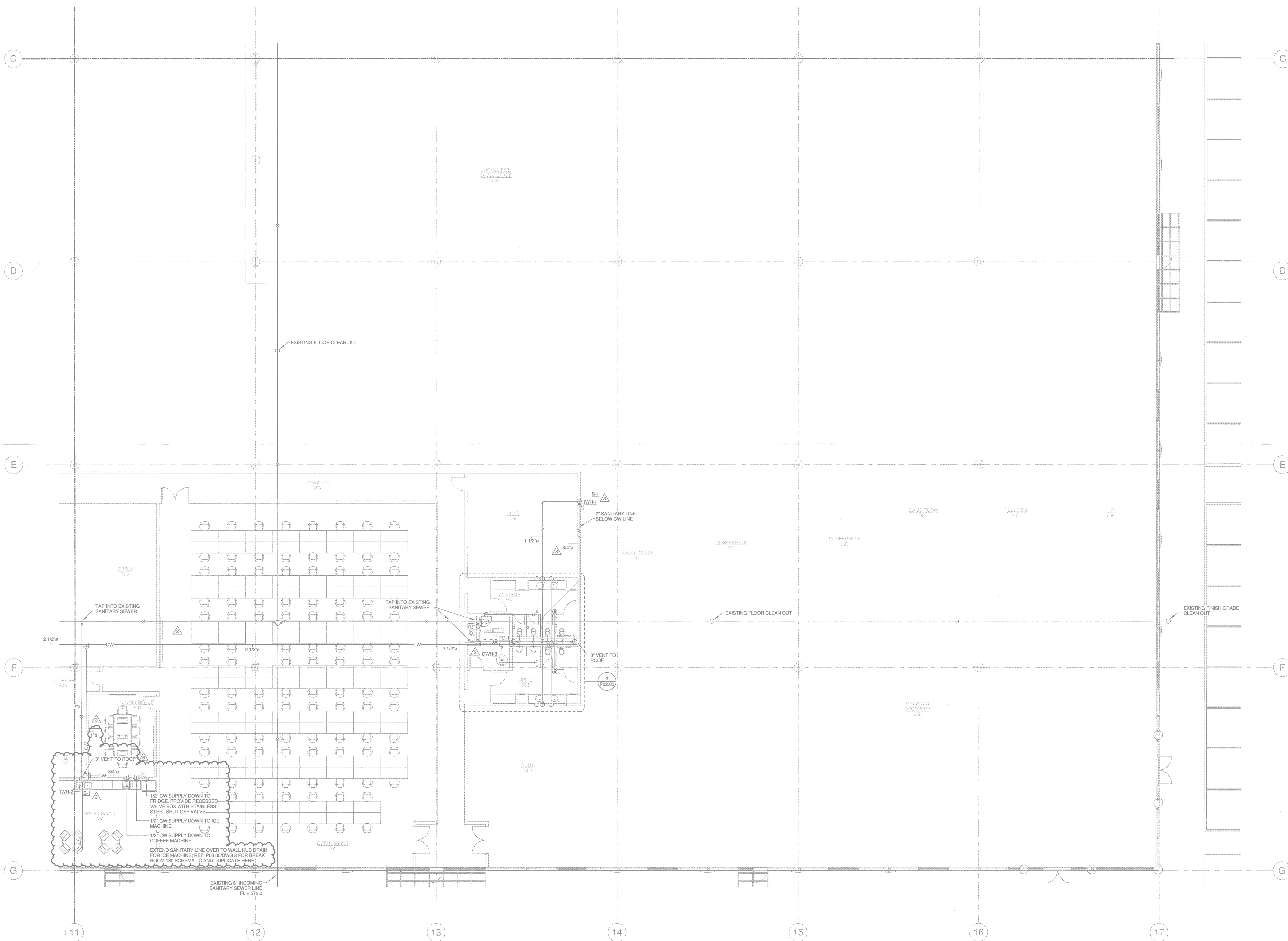
P01.01F



TELIOS
ME&T CONSULTING ENGINEERS
3535 TRAVIS ST.
SUITE 115
DALLAS, TX 75204

PH: 214.744.6199
FX: 214.744.0770

THE SEAL APPEARING ON THIS DOCUMENT WAS
AUTHORIZED BY MASON MCPIKE, PE #103854, ON
AUGUST 12, 2015. ALTERATION OF A SEALED
DOCUMENT WITHOUT THE PRIOR WRITTEN CONSENT
OF THE RESPONSIBLE ENGINEER IS AN OFFENSE
UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE
RECORD COPY OF THIS DRAWING IS ON FILE AT THE
OFFICES OF TELIOS, INC., 3535 TRAVIS ST., STE 115,
DALLAS, TX 75204.



1 PLUMBING PLAN - AREA F
1/8" = 1'-0"

8/12/2015 11:15:45 AM P01.01F PLUMBING PLAN - AREA F



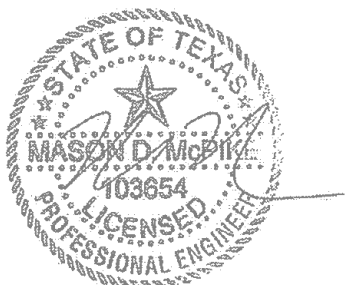
CORGAN ASSOCIATES, INC.
401 N. Houston Street
Dallas, Texas 75202
T: 214.748.2000 F: 214.653.8281

ISSUES

1	02/02/2015	ISSUE FOR PERMIT
2	03/09/2015	PROGRESS SET
3	03/30/2015	ISSUE FOR PRICING
4	06/08/2015	ISSUE FOR CONSTRUCTION
5		
6		
7		
8		
9		
10		

REVISIONS

2	06/08/2015	ISSUE FOR CONSTRUCTION
3	07/01/2015	PCR 002
6	08/12/2015	PCR 005



08/12/2015

Austin Met III

7100 Metropolis Dr.
Austin, TX 78744



A	C	E
B	D	F

PLUMBING PLAN - AREA F

JOB 14123.0000
DATE 03/30/2015
SHEET

P01.01F



TELIOS
ME&T CONSULTING ENGINEERS
3535 TRAVIS ST.
SUITE 115
DALLAS, TX 75204
PH: 214.744.6199
FX: 214.744.0770

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MASON MCPIKE, PE #103854, ON AUGUST 12, 2015. ALTERATION OF A SEALED DOCUMENT WITHOUT THE PRIOR WRITTEN CONSENT OF THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF TELIOS, INC., 3535 TRAVIS ST., STE 115, DALLAS, TX 75204.

PLUMBING LEGEND	
	GRAY WATER SUPPLY PIPING
	2" DOMESTIC WATER SUPPLY PIPING SIZE REDUCTION



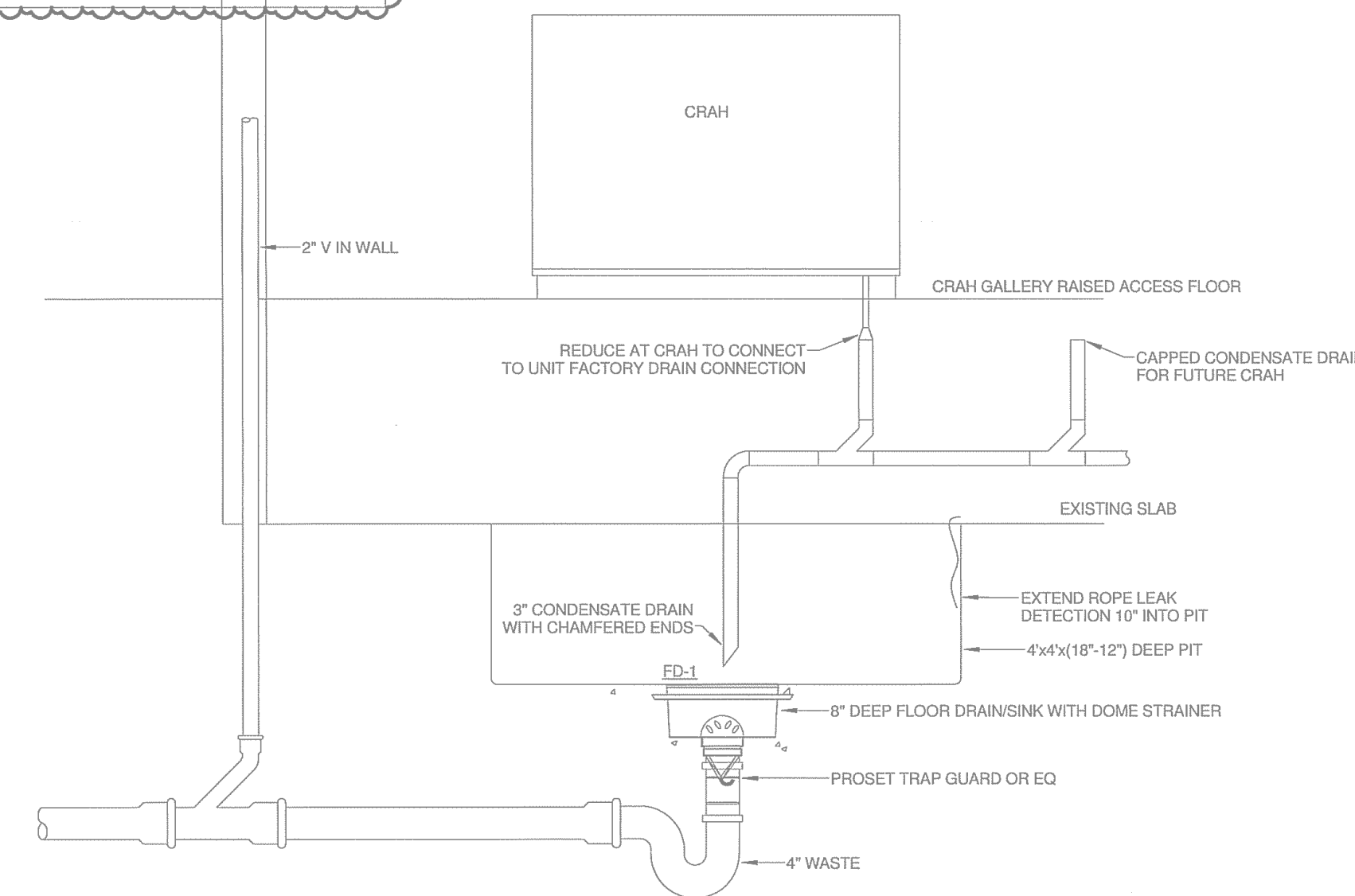
1 PLUMBING PLAN - AREA F
1/8" = 1'-0"

8/12/2015 11:15:45 AM P01.01F PLUMBING PLAN - AREA F

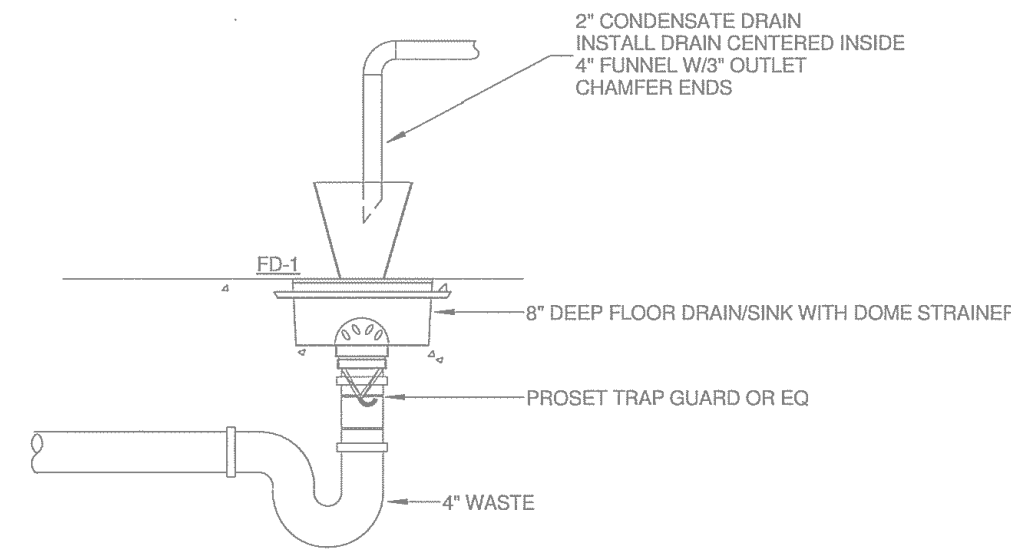
PLUMBING FIXTURE SCHEDULE									
DESIG.	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION			
		San. Sewer	Vent	Cold Water	Hot Water				
WC-1	WATER CLOSET	4"	2"	1"	-	WATER CLOSET - WALL MOUNTED FLUSH VALVE AMERICAN STANDARD "A" WALL" MODEL NO. 2257.128 (WHITE), FLUSH VALVE WATER CLOSET, VITREOUS CHINA, 17" RIM HEIGHT, 10" ROUGHING-IN, LOW CONSUMPTION 1.28 GALLONS PER FLUSH, ELONGATED BOWL, DIRECT FED SIPHON JET ACTION, FULLY GLAZED, TRAPWAY, 1 1/2" TOP SPUD, COMPLETE WITH EXPOSED WATER CLOSET FLUSHMETER SLOAN "ROYAL" MODEL NO. 8111-1.28, LOW CONSUMPTION 1.28 GPF, CHROME PLATED, HIGH BACK PRESSURE VACUUM BREAKER FLUSH CONNECTION WITH ONE-PIECE BOTTOM HEX COUPLING NUT, 1" I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP, FREE SPINNING, VANDAL RESISTANT STOP CAP, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE FOR 1 1/2" TOP SPUD, PROVIDED WHITE OPEN SEAT FRONT LESS COVER BY "OLSONITE" MODEL NO. 95C. J.R. SMITH FLOOR CARRIER.			
WC-2	WATER CLOSET ADA COMPLIANT	4"	2"	1"	-	WATER CLOSET - WALL MOUNTED FLUSH VALVE AMERICAN STANDARD "A" WALL" MODEL NO. 2257.128 (WHITE), FLUSH VALVE WATER CLOSET, VITREOUS CHINA, 14" RIM HEIGHT, 10" ROUGHING-IN, LOW CONSUMPTION 1.28 GALLONS PER FLUSH, ELONGATED BOWL, DIRECT FED SIPHON JET ACTION, FULLY GLAZED, TRAPWAY, 1 1/2" TOP SPUD, COMPLETE WITH EXPOSED WATER CLOSET FLUSHMETER SLOAN "ROYAL" MODEL NO. 8111-1.28, LOW CONSUMPTION 1.28 GPF, CHROME PLATED, HIGH BACK PRESSURE VACUUM BREAKER FLUSH CONNECTION WITH ONE-PIECE BOTTOM HEX COUPLING NUT, 1" I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP, FREE SPINNING, VANDAL RESISTANT STOP CAP, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE FOR 1 1/2" TOP SPUD, PROVIDED WHITE OPEN SEAT FRONT LESS COVER BY "OLSONITE" MODEL NO. 95C. J.R. SMITH FLOOR CARRIER.			
UR	URINAL ADA COMPLIANT	2"	2"	3/4"	-	URINAL - WALL MOUNTED FLUSH VALVE AMERICAN STANDARD "WASHBROOK" MODEL NO. 6501.010 (WHITE), VITREOUS CHINA, LOW CONSUMPTION 0.5 GALLONS PER FLUSH, CONCEALED INTEGRAL TRAP, WASHOUT FLUSH ACTION, 3/4" TOP SPUD, COMPLETE WITH EXPOSED FLUSHMETER SLOAN "ROYAL" MODEL NO. 8188-0.5, LOW CONSUMPTION 0.5 GPF, CHROME PLATED, HIGH BACK PRESSURE VACUUM BREAKER FLUSH CONNECTION WITH ONE-PIECE BOTTOM HEX COUPLING NUT, 3/4" I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP, FREE SPINNING, VANDAL RESISTANT STOP CAP, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE FOR 3/4" TOP SPUD, JOSAM URINAL CARRIER 17550 SERIES.			
L-1	LAVATORY UNDERCOUNTER ADA COMPLIANT	2"	1 1/2"	1/2"	1/2"	AMERICAN STANDARD "OVALYN" IF MODEL NO. 00455.221 VITREOUS CHINA, UNDERCOUNTER WITH OVERFLOW DRAIN, COMPLETE WITH FAUCET ZURN MODEL NO. 28915-XL-CWB WITH MINI JUNCTION BOX AND P8000-HWS POWER CONVERTER, 0.5 GPM MAX FLOW RATE, HARD-WIRED FAUCET, PROVIDE MIXING VALVE, MCGUIRE MODEL #155A-S, SOLID TOP OPEN GRID DRAIN WITH 1 1/4" TAILPIECE, MCGUIRE MODEL #167 SUPPLY KIT WITH CHROME PLATED ANGLE STOPS WITH ROUND WHEEL HANDLES, TWO 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISERS, AND TWO CHROME PLATED STEEL FLANGES MCGUIRE MODEL #8872 ADJUSTABLE CHROME PLATED P-TRAP W/SET SCREW EXCUT-CHROM AND INTEGRAL CLEANOUT PLUG. REFER TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS FOR EXACT DIMENSIONS OF SUPPLIES. PROVIDED UNDERSINK ADA COMPLIANCE COVER "TRUEBRO" LAV GUARD.			
L-2	LAVATORY WALL MOUNTED ADA COMPLIANT	2"	1 1/2"	1/2"	1/2"	SLOAN MODEL NO. SS2035 VITREOUS CHINA, WALL MOUNTED WITH OVERFLOW DRAIN, COMPLETE WITH FAUCET ZURN MODEL NO. 28915-XL-CWB WITH MINI JUNCTION BOX AND P8000-HWS POWER CONVERTER, 0.5 GPM MAX FLOW RATE, HARD-WIRED FAUCET, PROVIDE MIXING VALVE, MCGUIRE MODEL #155A-S, SOLID TOP OPEN GRID DRAIN WITH 1 1/4" TAILPIECE, MCGUIRE MODEL #167 SUPPLY KIT WITH CHROME PLATED ANGLE STOPS WITH ROUND WHEEL HANDLES, TWO 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISERS, AND TWO CHROME PLATED STEEL FLANGES MCGUIRE MODEL #8872 ADJUSTABLE CHROME PLATED P-TRAP W/SET SCREW EXCUT-CHROM AND INTEGRAL CLEANOUT PLUG. REFER TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS FOR EXACT DIMENSIONS OF SUPPLIES. PROVIDED UNDERSINK ADA COMPLIANCE COVER "TRUEBRO" LAV GUARD.			
SWR	SHOWER ADA COMPLIANT	-	-	1/2"	1/2"	"MOEN" MODEL NO. L82891EP, CHROME PLATED METAL CONSTRUCTION, INCLUDES VALVE, SHOWERHEAD, ARM AND FLANGE, LEVER STYLE HANDLE, ADJUSTABLE TEMPERATURE LIMIT STOP, 2.0 GPM MAXIMUM AND 1.5 GPM MINIMUM AT 45 PSI			
S-1	SINK	2"	1 1/2"	1/2"	1/2"	ELKAY "LRAO" MODEL NO. 3322, 33"x22"x5 1/2" DEEP, COMPLETE WITH FAUCET CHICAGO 1100-GNBA3-317, 18 GAUGE TYPE 304 STAINLESS STEEL, DOUBLE COMPARTMENT SELF-RIMMING, GOOSENECK FAUCET WITH WRIST BLADES, SPOUT MODEL NO. GNBA3JKCP, DRAIN MCGUIRE MODEL NO. 155, TRAP MCGUIRE MODEL NO. 8902, WITH SUPPLIES MCGUIRE MODEL NO. 167			
S-2	SINK	1 1/2"	(SEE SP-1)	1/2"	1/2"	ELKAY "LRADO" MODEL NO. 2821, 25"x21 1/4"x5 1/2" DEEP, STAINLESS STEEL, SINGLE COMPARTMENT, COMPLETE WITH FAUCET CHICAGO 1100-GNBA3-317, 18 GAUGE TYPE 304 STAINLESS STEEL, GOOSENECK FAUCET WITH WRIST BLADES, STAINLESS STEEL BASKET WITH ADA-COMPLIANT TAILPIECE, WITH SUPPLIES MCGUIRE MODEL NO. 167			
MS	MOP SINK JANITOR'S CLOSET	3"	2"	3/4"	3/4"	"FIAT" MODEL NO. MS82424, MOLDED STONE MOP SINK COMPLETE WITH "T & S BRASS" SERVICE FAUCET, MODEL NO. B-0865 B/STOP, WITH VACUUM BREAKER, PAIL HOOK, LEVER HANDLES, INTEGRAL STOPS, CHROME PLATED AND SUPPORT ROD BACK TO WALL FLANGE, FIAT MODEL 832-AA HOSE & HOSE BRACKET, FIAT MODEL 889-CO MOP HANGER WITH SPRING LOADED RUBBER GRIP.			
DF-1	DRINKING FOUNTAIN WALL MOUNTED ADA COMPLIANT	2"	1 1/2"	1/2"	-	"ELKAY" MODEL NO. EDFF217C, DOUBLE BASIN, WALL HUNG, BARRIER FREE ACCESS WITH "NO LEAD" DESIGN, ADA COMPLIANT, PROVIDE COMPLETE WITH FULLY ASSEMBLED FRONT PUSH BUTTONS, FLOW REGULATOR, DRAIN, TRAP, VANDAL-RESISTANT BOTTOM COVER PLATES, AND SERVICE SHUT-OFF VALVE. INCLUDE ACCESSORIES # MPW200 & ML100 "IN" WALL CARRIER MOUNTING PLATE WITH SUPPORT COLUMNS.			
FD-1	FLOOR DRAIN	4"	2"	-	-	"J.R. SMITH" SERIES 2005, DUCCO CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE SQUARE TOP STRAINER HEAD, TRAP PRIMER CONNECTION, VANDAL RESISTANT SCREWS AND NICKEL BRONZE STRAINER HEAD.			
FD-2	FLOOR DRAIN	2"	1 1/2"	-	-	"J.R. SMITH" SERIES 2005, DUCCO CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE SQUARE TOP STRAINER HEAD, TRAP PRIMER CONNECTION, VANDAL RESISTANT SCREWS AND NICKEL BRONZE STRAINER HEAD.			
TP-1	TRAP PRIMER VALVE	AS NOTED ON PLANS				PRECISION PLUMBING PRODUCTS PRIME RITE PR-500 TRAP PRIMER			
SP-1	PACKAGED SUMP PUMP & BASIN	1 1/2"	2"	-	-	"LITTLE GIANT" DRAINOSAUR SERIES, MODEL NO. "WRSC-6" / ITEM NO. 526065, 1/3 HP SUMP PUMP W/ 3.5 GALLON POLYPROPYLENE TANK, 13 GPM @ 15 FT., H20 (18 FT. H20 SHUT OFF HEAD), IAPMO LISTED, 120V/60HZ/0.9 FLA & 14.3A STARTING CURRENT.			

GENERAL NOTES:
1. VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.
2. ALL P-TRAPS SHALL HAVE INTEGRAL CLEANOUT PLUGS.
3. ALL PLUMBING FIXTURES MUST CONFORM TO CURRENT FEDERAL A.D.A. REQUIREMENTS FOR PERFORMANCE AND ACCESSIBILITY, AS REQUIRED.
4. ALL EXPOSED PIPING SHALL BE CHROME PLATED.

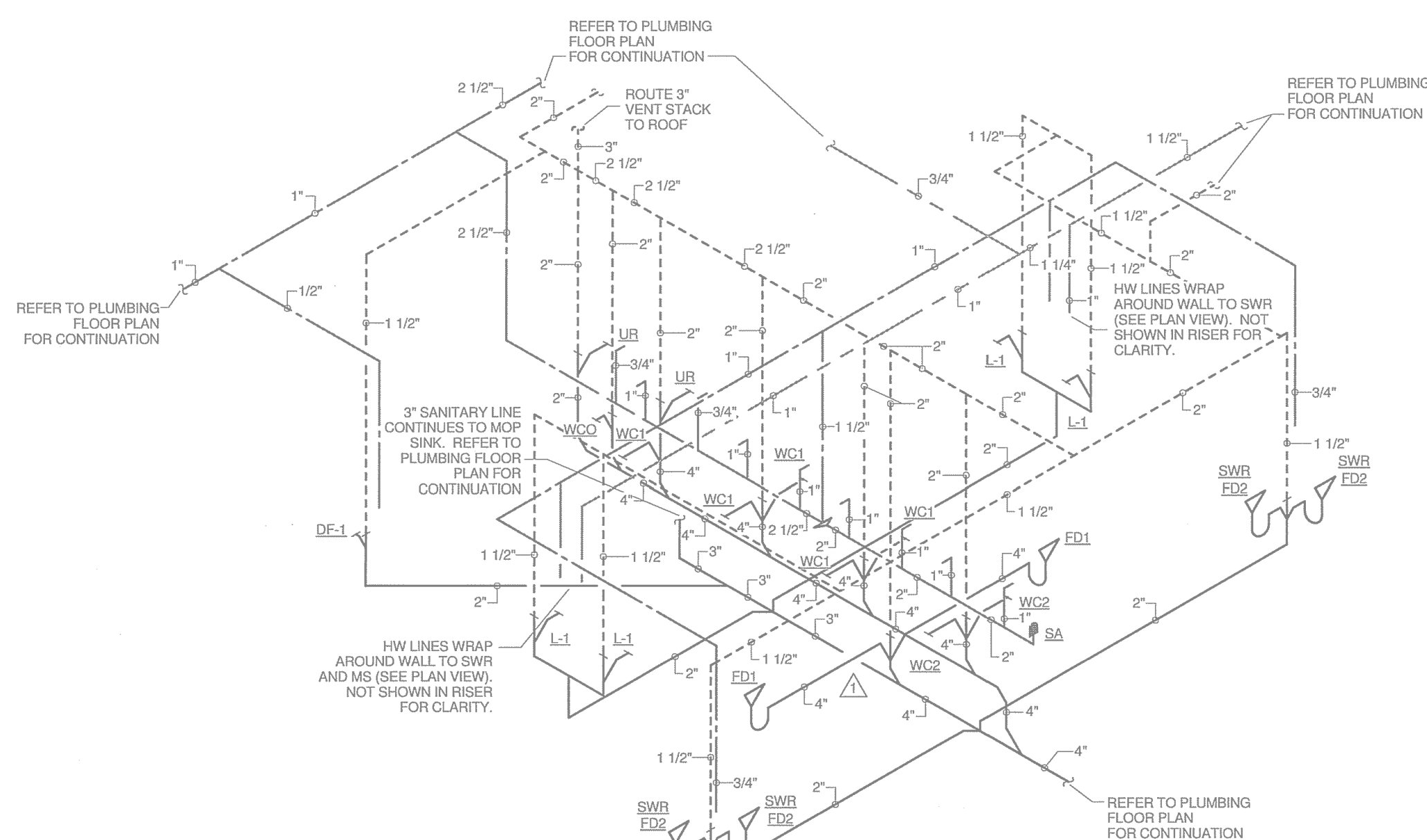
ELECTRIC WATER HEATER							
DESIG.	SERVES	LOCATION	STORAGE CAPACITY GAL.	RECOVERY RATE GPH	TEMPERATURE RISE °F	K.W. PHASE / VOLTS	REMARKS/NOTES
DWH-1	DOMESTIC WATER	WATER TREATMENT 195	80	30	60	(2) 4.5 KW 1/208	A.O. SMITH MODEL NO. DEN-80 DUAL ELEMENTS, NON-SIMULTANEOUS OPERATION
DWH-2	DOMESTIC WATER	MECH 105	30	27	60	(2) 4.0 KW 1/208	A.O. SMITH MODEL NO. DEL-30 DUAL ELEMENTS, NON-SIMULTANEOUS OPERATION
DWH-3	DOMESTIC WATER	JANITOR 551	120	81	60	(2) 8.0 KW 1/420	A.O. SMITH MODEL NO. DEN-120 DUAL ELEMENTS, SIMULTANEOUS OPERATION
IWH-1	DOMESTIC WATER	BELOW COUNTER	2.0 GPM	-	60	16.8 KW 1/208	CHRONOMITE MODEL NO. ER-80x208 INSTANTANEOUS OPERATION
IWH-2	DOMESTIC WATER	BELOW COUNTER	-	-	47	5.54 KW 1/277	CHRONOMITE MODEL NO. ER-277 FACTORY PRE-SET TO 110°F, 5540 WATTS, 0.35 GPM ACTIVATION FLOW, 47°F RISE AT 0.8 GPM



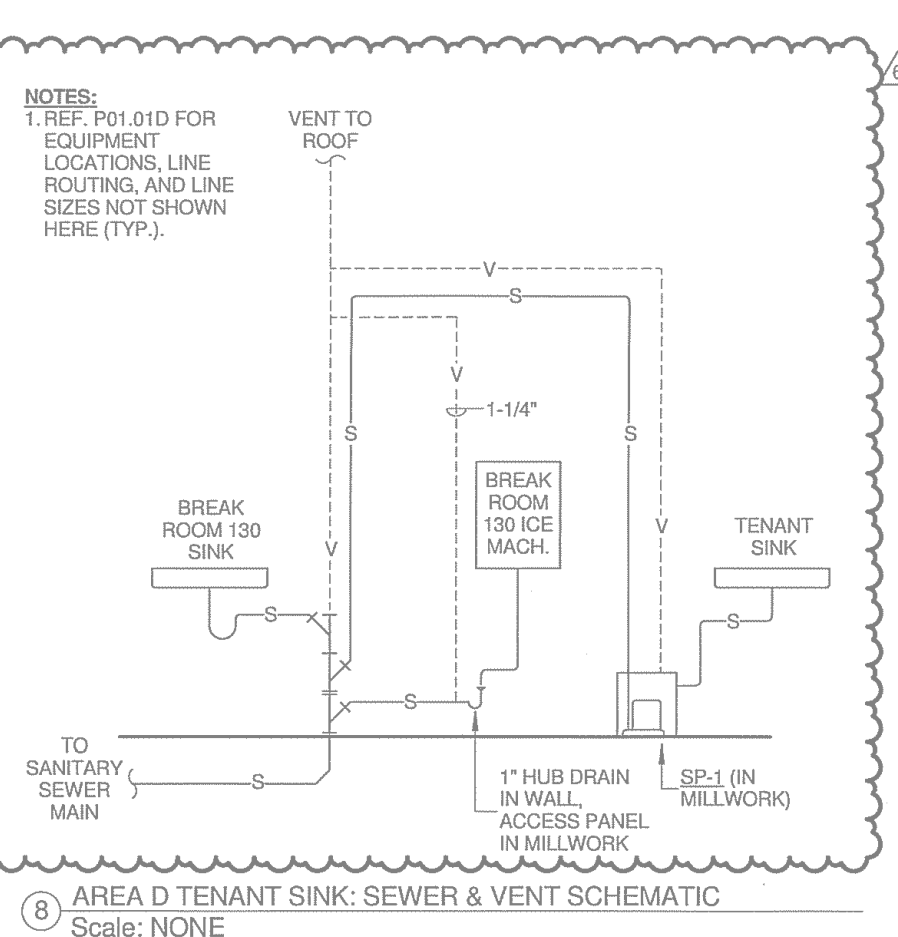
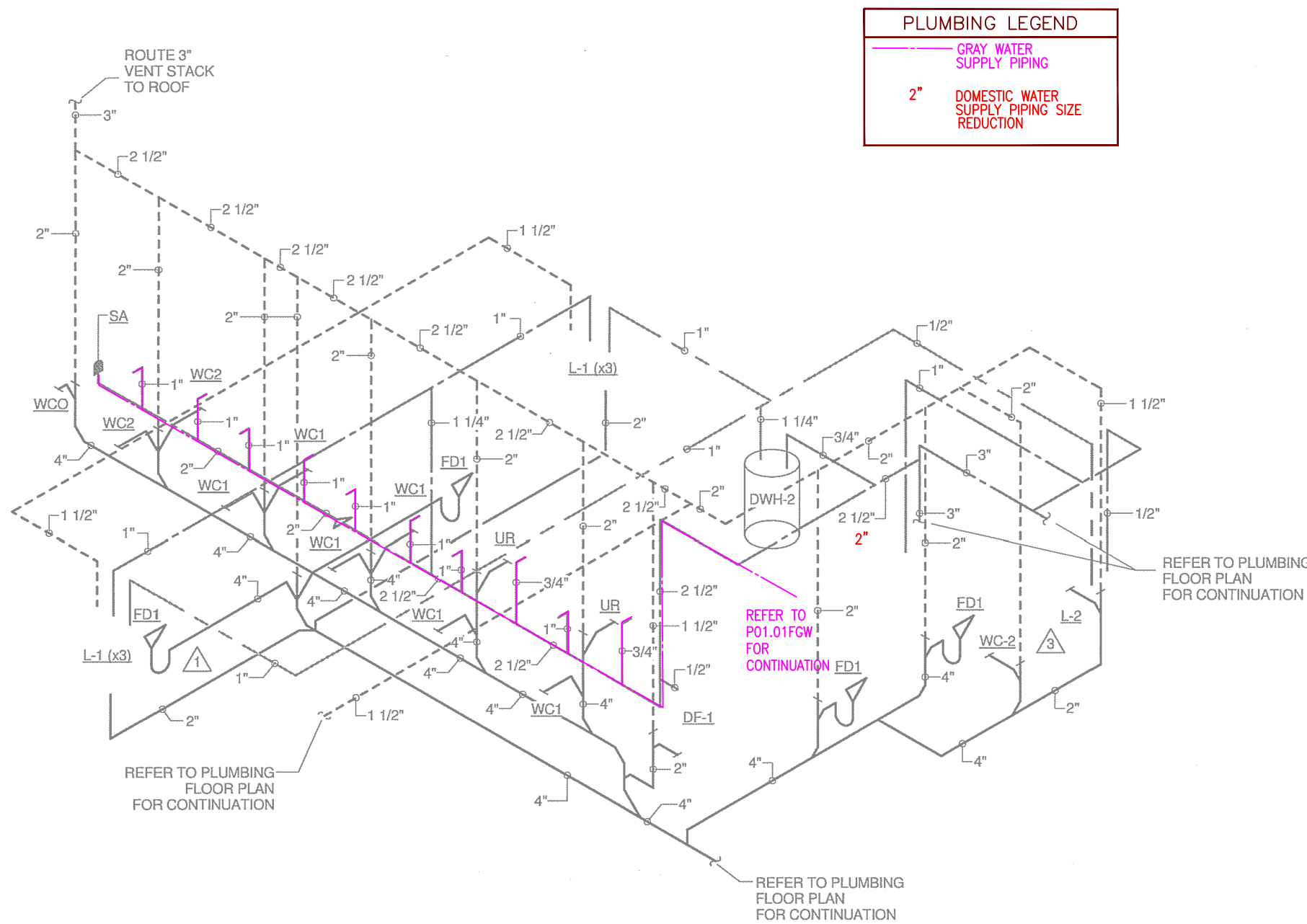
④ DETAIL - CRAH GALLERY CONDENSATE DRAIN
Scale: NONE



⑤ DETAIL - UPS CRAH CONDENSATE DRAIN
Scale: NONE



③ PLUMBING RISER DIAGRAM
Scale: NONE



⑥ AREA D TENANT SINK: SEWER & VENT SCHEMATIC
Scale: NONE

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MASON MCPRIE, PE #103854, ON AUGUST 12, 2015. ALTERATION OF A SEALED DOCUMENT WITHOUT THE PRIOR WRITTEN CONSENT OF THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF TELIOS, INC., 3535 TRAVIS ST., STE 115, DALLAS, TX, 75204.

TELIOS
MEPAT CONSULTING ENGINEERS
3535 TRAVIS ST.
SUITE 115
DALLAS, TX 75204
PH: 214.744.6199
FX: 214.744.0770

CORGAN
CORGAN ASSOCIATES, INC.
401 N. Houston Street
Dallas, Texas 75202
T: 214.748.2000 F: 214.653.8281

ISSUES
1 02/02/2015 ISSUE FOR PERMIT
2 03/09/2015 PROGRESS SET
3 03/30/2015 ISSUE FOR PRICING
4 06/08/2015 ISSUE FOR CONSTRUCTION

REVISIONS
1 05/04/2015 REVISED ISSUE FOR PERMIT
2 06/08/2015 ISSUE FOR CONSTRUCTION
3 07/01/2015 PCR 002
4 08/12/2015 PCR 005

08/12/2015
Austin Metelli
7100 Metropolis Dr.
Austin, TX 78744
214.744.0813

STATE OF TEXAS
MASON D. MCPRIE
103854
LICENSED PROFESSIONAL ENGINEER

08/12/2015
Austin Metelli
7100 Metropolis Dr.
Austin, TX 78744
214.744.0813

CyrusOne

PLUMBING
DETAILS

JOB 14123.0000
DATE 03/30/2015
SHEET P03.00