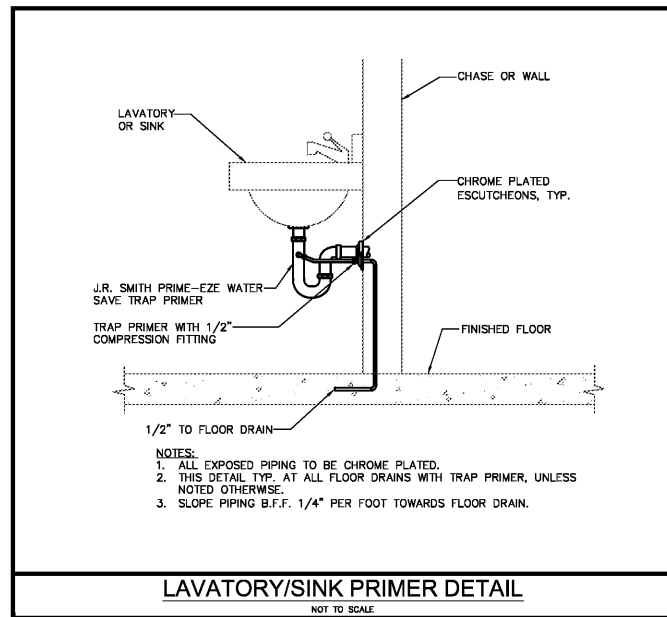
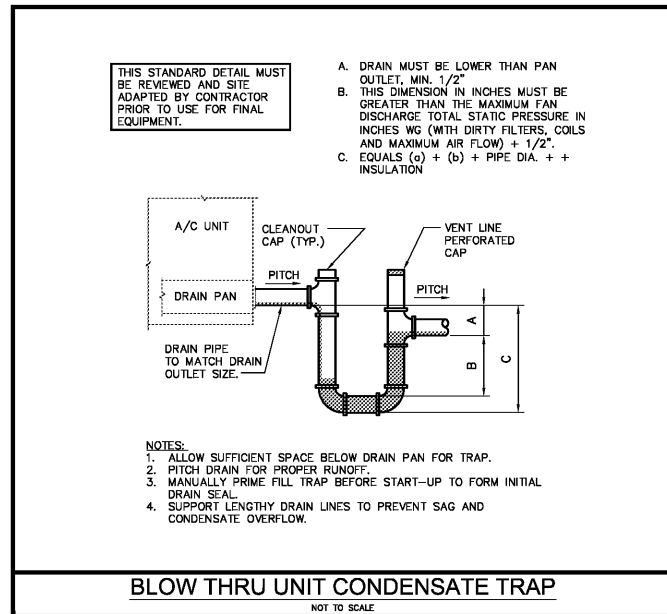


Order Plans



- NOTES:
1. ALL EXPOSED PIPING TO BE CHROME PLATED.
 2. THIS DETAIL TYP. AT ALL FLOOR DRAINS WITH TRAP PRIMER, UNLESS NOTED OTHERWISE.
 3. SLOPE PIPING B.F.F. 1/4" PER FOOT TOWARDS FLOOR DRAIN.

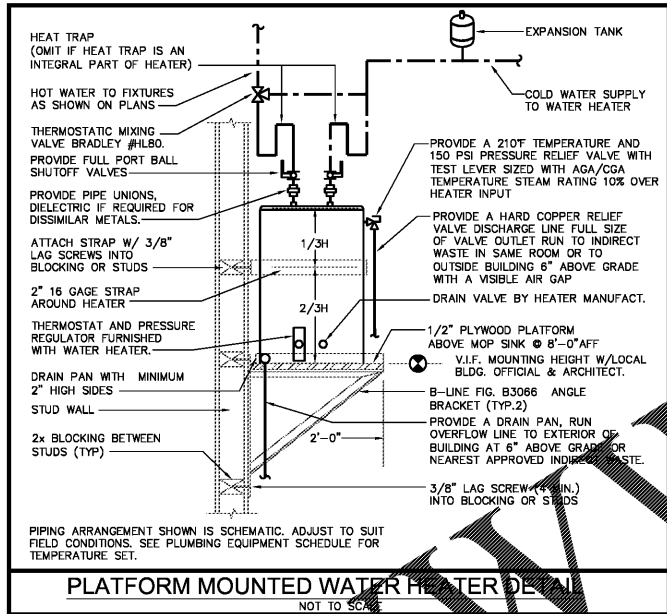
LAVATORY/SINK PRIMER DETAIL
NOT TO SCALE



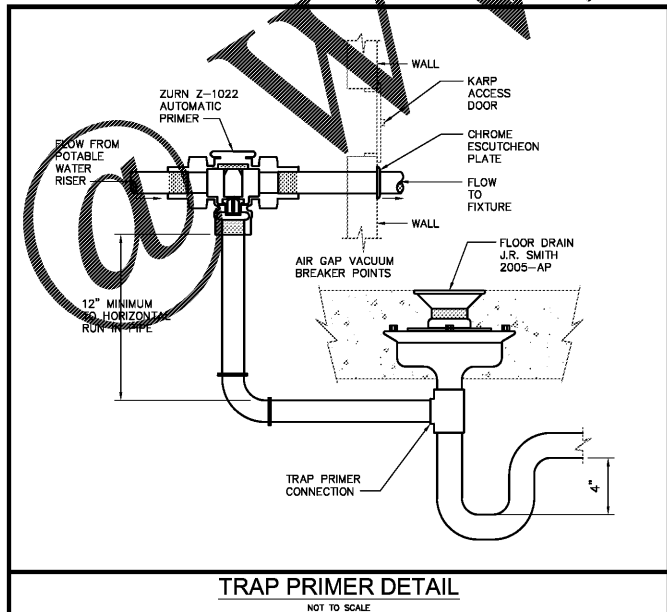
- NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP.
 2. PITCH DRAIN FOR PROPER RUNOFF.
 3. MANUALLY PRIME FILL TRAP BEFORE START-UP TO FORM INITIAL DRAIN SEAL.
 4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.

BLOW THRU UNIT CONDENSATE TRAP
NOT TO SCALE

- GENERAL DEMOLITION NOTES
1. THE CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL PARTS OF THE BUILDING, ITS CONTENTS AND OCCUPANTS WHEREVER WORK UNDER THIS CONTRACT IS PERFORMED.
 2. DEMOLITION SHALL INCLUDE REMOVAL OF EXISTING BUILDING CONSTRUCTION TO EXTENT REQUIRED TO PERFORM CONSTRUCTION ACTIVITIES INDICATED.
 3. THE DEMOLITION PROCEDURES SHALL PROVIDE FOR SAFE CONDUCT OF THE WORK, PROTECTION OF PERSONNEL, CAREFUL REMOVAL AND DISPOSITION OF MATERIALS SPECIFIED TO BE SALVAGED, PROTECTION OF PROPERTY TO REMAIN UNDISTURBED, COORDINATION WITH OTHER WORK IN PROGRESS, AND TIMELY DISCONNECTION OF UTILITY SERVICES.
 4. EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DAMAGE. WORK DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED TO MATCH EXISTING WORK OR WORK INSTALLED UNDER THIS CONTRACT DEPENDING ON CONTRACT REQUIREMENTS.
 5. EXISTING WORK SHALL BE CUT, DRILLED, ALTERED, REMOVED OR TEMPORARILY REMOVED AND REPLACED FOR PERFORMANCE OF WORK UNDER THE CONTRACT. WORK DEFACED DURING THIS CONTRACT SHALL BE RESTORED TO THE CONDITION AT TIME OF AWARD OF CONTRACT. CUT ALTER, REMOVE OR TEMPORARILY REMOVE AND REPLACE EXISTING WORK FOR THE INSTALLATION OF MECHANICAL, PLUMBING AND ELECTRICAL WORK AND OTHER CONSTRUCTION.
 6. PROPERLY REMOVE AND DISPOSE OF ALL EXISTING FIXTURES AS REQUIRED TO ACCOMMODATE NEW PLAN. REFER TO THE ARCHITECTURAL DEMOLITION PLANS, CONSULT WITH THE OWNER AND OBTAIN OWNER'S APPROVAL PRIOR TO DISPOSAL OF REMOVED MATERIAL.
 7. FOR ALL ADDITIONAL INFORMATION REGARDING CONTRACTUAL RESPONSIBILITIES, COORDINATE WITH ARCHITECTURAL PLANS.



PLATFORM MOUNTED WATER HEATER DETAIL
NOT TO SCALE



TRAP PRIMER DETAIL
NOT TO SCALE

- PLUMBING NOTES
1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (IPC) 2012 AS AMENDED BY THE STATE OF GEORGIA, APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
 2. PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
 3. ALL MATERIALS SHALL BE NEW.
 4. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
 5. REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
 6. PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTION AND TESTS, PLUMBING CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR MUST BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.
 7. DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC.
 8. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ENGINEER/ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.
 9. VERIFY LOCATION, SIZE, DIRECTION OF FLOW AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES.
 10. COORDINATE LOCATION OF ALL PIPING CONNECTIONS TO BUILDING WITH LOCAL UTILITY AND CIVIL ENGINEER. PROVIDE APPROVED BACKFLOW PREVENTION DEVICE, MAIN SHUT-OFF VALVE AND PRESSURE REDUCING VALVE AT WATER SERVICE.
 11. WATER DISTRIBUTION PIPING ABOVE AND BELOW GROUND SHALL BE TYPE "L" COPPER. COORDINATE WITH LOCAL JURISDICTION FOR ADDITIONAL REQUIREMENTS. PROVIDE ALTERNATE FOR CPVC PIPING EQUAL TO BFGOODRICH "FLOWGUARD GOLD" FOR WATER KNOWN OR DETERMINED TO HAVE ACIDIC CHARACTERISTICS. CONTRACTOR SHALL PERFORM A WATER TEST TO DETERMINE WATER CHEMISTRY PRIOR TO ANY WORK OR PIPING INSTALLATION AND SHALL SUBMIT TEST RESULTS TO ENGINEER FOR REVIEW AND APPROVAL.
 12. SOIL, WASTE, VENT AND RAINWATER PIPING SHALL BE CAST IRON OR PVC WHERE CODE ALLOWS. PVC MAY NOT BE USED THRU RATED ASSEMBLIES, FLUJN PLENUM.
 13. ALL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE FOR PIPING 1/2" INCH AND SMALLER PER ASTM A-122. WELD TYPE FOR 1/2" AND LARGER PER ASTM A-53. BURIED STEEL SHALL BE CONTACT WITH EARTH SHALL BE METALLIC ARC WELDED AND COATED WITH HIGH DENSITY "X"-TRU-COAT POLYETHYLENE AND WITH POLYETHYLENE TAPE COAT JOINTS. PROVIDE IDENTICAL MARKING ON GAS PIPING SYSTEM.
 14. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
 15. FURNISH AND INSTALL APPROVED WATER HAMMER ARRESTORS FOR ALL (GROUP) PLUMBING FIXTURES, SIZE AND LOCATED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND POI-WH 201.
 16. DIELECTRIC COUPLERS ARE REQUIRED BETWEEN ALL DISSIMILAR METAL IN PIPING AND EQUIPMENT CONNECTIONS.
 17. ISOLATE COPPER PIPING FROM HANGER OR SUPPORTS WITH ISOLATOR PADS OR MATERIAL.
 18. ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE, SMOKE AND WATER PENETRATION BY FILLING VOIDS BETWEEN PIPE AND WALL/FLOORS AS PART OF THE PLUMBER'S WORK.
 19. PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.
 20. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES AND ALL WATER HAMMER ARRESTORS. ACCESS PANELS IN RATED WALL MUST MAINTAIN THE SAME RATING AND MUST MATCH THE FINISH OF THE WALL IN WHICH IT IS INSTALLED.
 21. PROVIDE COMBINATION COVER PLATE AND CLEANOUT PLUG OR ACCESS PANEL FOR ALL WALL CLEANOUTS FINISH TO MATCH FIXTURE TRIM.
 22. NO COMBUSTIBLE MATERIAL TO BE USED IN MECHANICAL ROOMS.
 23. NO WATER, SANITARY OR DRAINAGE PIPING PERMITTED IN ELECTRICAL ROOMS.
 24. ALL CONTROL VALVES SHALL BE TAGGED AND MARKED. A REPRODUCIBLE DIAGRAM LOCATING ALL VALVES SHALL BE PROVIDED FOR OWNER/OPERATOR.
 25. ALL CONDENSATE DRAIN PIPING SHALL BE TYPE "L" COPPER WITH 1" ARMAFLEX INSULATION WHERE USED IN A RETURN AIR PLENUM. PVC PIPING WITH 1" ARMAFLEX INSULATION MAY BE USED IN LOCATIONS WHERE ALLOWED BY LOCAL CODES. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATION OF PIPING.
 26. CONDENSATE LINES NEED NOT COMPLY WITH MIN. CLEARANCE REQUIREMENTS.
 27. PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUT-OFF.
 28. WATER PIPING INSULATION SHALL BE ARMAFLEX OR EQUAL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR ALL HOT WATER PIPING. WHERE DOMESTIC WATER TEMPERATURES CAN CAUSE SWEATING ALL COLD WATER PIPING SHALL BE INSULATED WITH ARMAFLEX INSULATION, THICKNESS AS PER IECC 2012.
 29. STUDDOR MINI/MAXI AIR ADMITTANCE VALVES MAY BE USED AS AN ALTERNATE TO VENT PIPING THRU ROOF WHERE ACCEPTABLE BY THE PLUMBING OFFICIAL AND LOCAL CODES. INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.

SLOPE OF HORIZ. DRAINAGE PIPE		SHOCK ARRESTOR SCHEDULE			
SIZE (inches)	MINIMUM SLOPE (inch per foot)	PDI DESIGNATION	SIoux CHIEF MODEL	FIXTURE UNITS	CONNECTION
2-1/2 or less	1/4	A	652-A	1-11	1/2"
3 to 6	1/8	B	653-B	12-32	3/4"
8 or larger	1/16	C	654-C	33-60	1"

TABLE 704.1 OF THE IPC 2012

SIoux CHIEF SHOCK ARRESTORS APPROVED FOR INSTALLATION WITH NO ACCESS DOOR REQUIRED. CONFORMS TO ANSI/ASSE 1010 STANDARDS.

PLUMBING SHEET INDEX

SHEET#	DESCRIPTION
P0.1	PLUMBING NOTES AND DETAILS
P2.1	OVERALL SANITARY PLANS
P3.1	OVERALL DOMESTIC WATER PLANS

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AAV	AIR ADMITTANCE VALVE	—S—S—	SANITARY SEWER PIPING
AFF	ABOVE FINISHED FLOOR	—V—	VENT PIPING
CO	CLEAN OUT	—CD—	DOMESTIC COLD WATER PIPING
CW	DOMESTIC COLD WATER	—H—	HOT WATER PIPING (110°)
HW	DOMESTIC HOT WATER	—CD—S—	HOT WATER RECIRCULATING PIPING
HWR	DOMESTIC HOT WATER RECIRCULATING	—SD—	CONDENSATE PIPING
SF	SOIL FEET	—SD—	STORM DRAIN PIPING
VTR	VENT THRU ROOF	—OD—	OVERFLOW STORM DRAIN LINE
—B—	BALL VALVE	—G—	GAS PIPING
—C—	CHECK VALVE	—	CLEAN OUT
—T—	TRAP VALVE	—	P-TRAP
—G—V—	GATE VALVE	—	CAPPED END OF PIPE
—C—O—	GAS COCK	—	PIPE RISE UP
—C—	POINT OF CONNECTION	—	PIPE DOWN OR DROP
—R—	GAS PRESSURE REGULATOR	—	DOWNSPOUT COVER

PLUMBING EQUIPMENT & FIXTURE SCHEDULE

SK-1	BREAK RM SINK, STAINLESS STEEL, 17 X 21 ELKAY "CELEBRITY" #CR1721 SELF-RIMMING FAUCET, ELKAY 5" GOOSENECK TYPE #LKB10GN0514 WITH 4" WRIST BLADE HANDLES. MUST MEET ADA
SK-2	(2) COMPARTMENT SINK DAYTON BY ELKAY #D23322-4 S/S SINK, FAUCET AMERICAN STANDARD MODEL #4205 WITH HANDSPRAY.
FD-1	5" ROUND GRATE FLOOR DRAIN, WADE MODEL #11035TD5-TY. PROVIDE WITH TRAP PRIMER. FINAL FINISH TO BE COORDINATED WITH ARCHITECT.
HB	WALL HYDRANT TO BE WOODFORD MODEL B65 WITH BOX, 3/4" STRAIGHT INLET CONNECTION, FREEZELESS. PROVIDE WITH ANTI-SIPHON VACUUM BREAKER. INSTALL 24" AFF.
LAUNDRY SINK	LAUNDRY SINK TO BE FIAT PRODUCTS MODEL FL-1, FLOOR MOUNTED SERVICE SINK FAUCET FIAT PRODUCTS A-1.
GWH	NATURAL GAS WATER HEATER RHEEM MODEL #XG40T06C36U1 38,000 BTU/H, 40 GAL.
GD	FOOD WASTE DISPOSAL "ISE", "GRANGER" STOCK # SH904, 1/2 HP, 115V.
CP-1	CONDENSATE PUMP TO BE LITTLE GIANT VCM-20ULS, 115V, 1.5A, 93W, 1/30HP 11"x5"x7"
SHWR	SHOWER, MIXING VALVE HOT AND COLD WATER, SHOWER MIXING VALVE SHALL BE A POWERS MODEL #E710-J-1, ASSE 1016, TYPE 1/P w/PARAFFIN-BASED THERMAL ACTUATOR, SELF-CONTAINED CARTRIDGE AND INTEGRAL SERVICE STOPS. SHOWER HEAD - KOHLER AWAKEN K-72419 CHROME, 2GPM.
SD	SHOWER DRAIN - KOHLER K-9132 POLISHED CHROME.

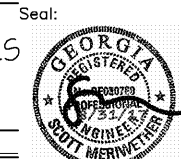
- GENERAL NOTES:
1. FIXTURES SHALL BE AS SHOWN OR EQUAL.
 2. ALL FIXTURES SHALL COMPLY WITH TABLE 604.3, 604.4 AND 604.5 OF IPC 2012.
 3. ALL FIXTURE TRIM PACKAGES INCLUDING BUT NOT LIMITED TO TRAP, ANGLE STOP, FLUSH VALVE, SUPPLY TUBES, AND CLEANOUT COVER PLATES SHALL BE OF THE SAME FINISH AS THE ABOVE SPECIFIED FAUCET AND PER ARCHITECTURAL FINISH SCHEDULE.
 4. ALL FIXTURES SHALL BE ROUGHED IN PER MANUFACTURER CUT SHEET TO MAINTAIN UNIFORMITY.
 5. THERMOSTATIC MIXING VALVE SHALL BE PROVIDED FOR ALL LAVATORIES WITH HOT WATER DELIVERY SET TO 110°F. A SINGLE MIXING VALVE SHALL BE ACCEPTABLE FOR INSTALLATIONS WITH MULTIPLE LAVATORIES IN SAME LOCATION. MIXING VALVE SHALL COMPLY WITH ASSE 1070.

- WATER HEATER NOTES:
1. PROVIDE WITH VACUUM RELIEF VALVE
 2. PROVIDE WITH EXPANSION TANK (MINIMUM ACCEPTANCE VOLUME OF 2 GALLONS)
 3. PROVIDE WITH DRAIN PAN.
 4. ROUTE DRAIN TO NEAREST FLOOR DRAIN
 5. SET TANK STORAGE TEMPERATURE TO 130°F
 6. PROVIDE WITH MIXING VALVE TO REDUCE TEMPERATURE TO 120°F

PLUMBING SYSTEMS MATERIAL SCHEDULE

SYSTEM	LINE TYPE	LOCATION	MATERIAL	INSULATION
SANITARY	—	ABOVE AND UNDERGROUND	PVC	NONE
SAN. VENT	—V—	ABOVE GROUND	PVC	NONE
COLD WATER	—	ABOVE AND UNDERGROUND	TYPE "L" COPPER	—
HOT WATER	—	ABOVE AND UNDERGROUND	TYPE "L" COPPER	1" ARMAFLEX
STORM	—SD—	ABOVE AND UNDERGROUND	PVC	NONE
OVER. STORM	—OD—	ABOVE AND UNDERGROUND	PVC	NONE
GAS	—G—	ABOVE AND UNDERGROUND	BLACK STEEL SCH.40	NONE
CONDENSATE	—CD—	ABOVE AND UNDERGROUND	PVC	1" ARMAFLEX

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Project Title:
ADDITION TO CANVAS CHURCH
3560 BROWN'S BRIDGE ROAD
CUMMING, GA 30028

Drawing Title:
PLUMBING NOTES AND DETAILS

Not Released for Construction Date: 03APR17

Revisions

NO.	DATE	REVISION/COMMENTS
0-31-17		

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