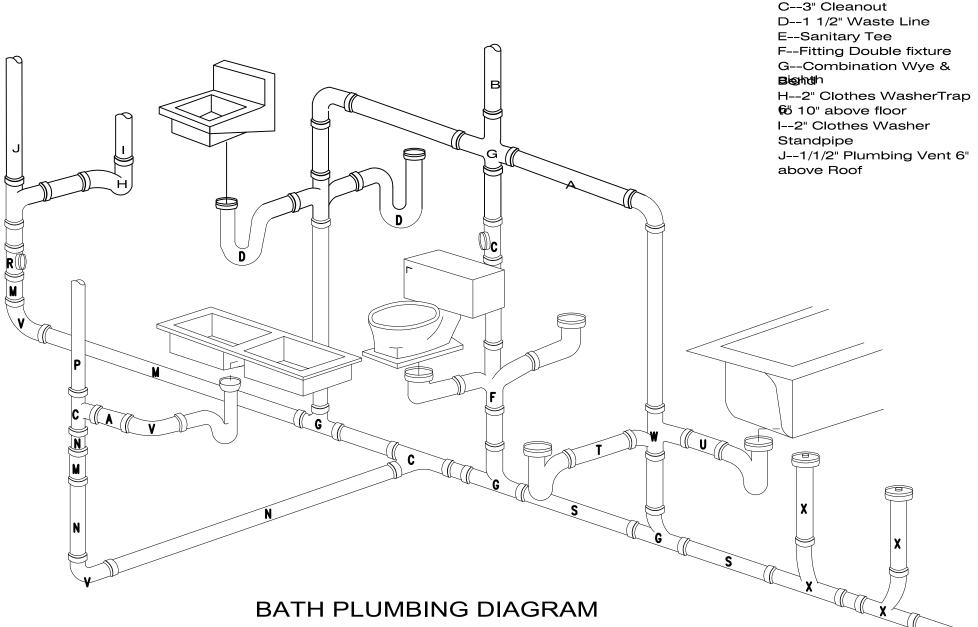
PLUMBING NOTES:

- 1. THE ENTIRE INSTALLATION SHALL CONFORM TO THE PRINCIPALS AND PRACTICES OF THE NEW YORK STATE 2015 PLUMBING CODE
- ALL HEATING EQUIPMENT, ACCESSORIES AND APPURTENANCES SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH NEW YORK STATE PLUMBING CODE 2015
- 2. WORKMANSHIP PROVIDE NEAT MECHANICAL APPEARANCE. CONCEAL ALL PIPING IN FINISHED AREAS.
- 3. MATERIALS PROVIDE THE BEST-ACCEPTED INDUSTRY STANDARD EQUIPMENT AND MATERIALS.
- 4. GUARANTEE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP, MATERIALS, AND PERFORMANCE FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE CERTIFICATE OF COMPLETION AND ACCEPTANCE OF THIS WORK. THE CONTRACTOR SHALL PROMPTLY CORRECT, WITHOUT COST TO THE OWNER, SUCH DEFECTS UPON NOTICE FROM THE OWNER TO DO SO.
- 5. CODES, PERMITS, INSPECTIONS COMPLY WITH PLUMBING CODE REQUIREMENTS OF THE MUNICIPALITY IN WHICH LOCATED, THE BUILDING CODE OF NEW YORK STATE AND PLUMBING CODE OF NEW YORK STATE. MATERIALS PER CODE HERE WITHIN MENTIONED. FURNISH PERMIT AND CERTIFICATE OF FINAL INSPECTION FROM MUNICIPALITY.
- CONTRACTOR SHALL PAY ALL FEES AND INSPECTIONS AND SAME SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
- 6. ROOF PENETRATIONS ALL ROOF PENETRATIONS AS REQUIRED FOR PLUMBING VENTS, SHALL BE MADE BY THE PLUMBING SUBCONTRACTOR. PLUMBING CONTRACTOR SHALL DO ALL CUTTING, FITTING, AND PATCHING NECESSARY AS A PART OF HIS CONTRACT TO PROVIDE FOR HIS PIPING EQUIPMENT.
- THE PLUMBING CONTRACTOR SHALL LAYOUT ALL PLUMBING FACILITIES IN ADVANCE OF POURING SLABS AND OR LAYING OUT WALLS OR CHASES.
- 7. TESTING LABOR, MATERIAL, INSTRUMENTS AND POWER REQUIRED FOR TESTING SHALL BE FURNISHED BY THIS CONTRACTOR
- CONTRACTOR.

 8. ALL DEFECTIVE WORK SHALL BE PROMPTLY REPAIRED OR REPLACED AND THE TESTS SHALL BE REPEATED
- UNTIL THE PARTICULAR SYSTEM AND COMPONENT PARTS THEREOF RECEIVE THE APPROVAL OF THE ARCHITECT.
- 9. SUBCONTRACTORS SHALL COORDINATE WORK WITH ALL OTHER TRADES.
- 10. THE CONTRACTOR SHALL PROVIDE SHUT OFF VALVES AT ALL FIXTURES AND APPLIANCES.
- 11. THE CONTRACTOR SHALL INSULATE HOT AND COLD WATER SUPPLIES. PROVIDE NON- FREEZE OUTDOOR HOSE BIBS, (1 LOCATION REQUIRED).
- 12. INSULATE WATER SERVICE AND PROTECTED FROM FREEZING WHERE EXPOSED IN UNHEATED SPACES, I.E. BASEMENT
- 13. PROTECT ALL PIPES FROM FREEZING. PLACE WATER LINES AND WASTE LINES WITHIN "CONDITIONED" SPACE AND WHERE APPROVED THERMAL INSTALLATION IS BETWEEN "LINE" AND UNHEATED AREA.

INSTALLATION

- A. ROUGH-IN SHALL COMPLETED, TESTED AND INSPECTED AS REQUIRED BY CODE AND BEFORE CLOSING-IN OF OTHER TRADES WORK.
- B. OPENINGS IN PIPES, DRAINS, AND FITTINGS SHALL BE KEPT COVERED DURING CONSTRUCTION
- C. PROVIDE SOLID BACKING FOR SECURING FIXTURES. ALL FIXTURES TO BE SET LEVEL
- D. PROVIDE CLEANOUTS AT ENDS OF ALL LINES AND WHERE REQUIRED BY CODE.
- E. COPPER TUBING SHALL BE FULLY SWEATED TO FITTINGS.
- F. BLACK IRON AND GALVANIZED STEEL PIPE JOINTS SHALL BE MADE WITH APPROVED PIPE THREAD COMPOUND.
- G. PROVIDE SHUT-OFF VALVES AT EACH FIXTURE.
- H. PROVIDE CONDENSATE LINE AT EACH F.A.U. LOCATION. PROVIDE PRIMARY AND SECONDARY CONDENSATE LINE TO AN APPROVED DRAINAGE RECEPTACLE AT ATTIC F.A.U. LOCATIONS. INSTALL CONDENSATE LINE FOR EACH PIECE OF CONDENSATING HVAC EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.
- I. PROVIDE COLD WATER LINE TO REFRIGERATOR SPACE IN RECESSED BOX ON IN CABINET IMMEDIATELY ADJACENT TO REFRIGERATOR SPACE.
- J. ISOLATE ALL PIPING FROM STRUCTURE WITH FIBER PADDING AND AT ALL PENETRATIONS WITH ELASTIC CAULKING OR SOUND ISOLATORS.
- K. ALL VENTS TO LEAD TO OUTSIDE AIR, WHERE POSSIBLE, LOCATE ALL ROOF VENTS TO REAR SIDE OR RIDGES. VENTS TO TERMINATE A MINIMUM OF 3'-0" FROM WINDOWS.
- L. ALL HORIZONTAL A.B.S. PIPING SHALL BE HUNG WITH APPROVED HANGERS AT 4'-0" O.C. MINIMUM AND SPACED TO PERMIT EXPANSION AND CONTRACTION WITHOUT HITTING ADJOINING PIPE. VERTICAL PIPING SHALL BE SUPPORTED 8'-0" O.C. WITH WROUGHT STEEL "u" STRAPS SECURELY FASTENED TO BUILDING FRAME.
- M. PROVIDE AIR CHAMBERS AT LAVATORY, DISHWASHER, AND CLOTHES WASHER CONNECTIONS. SET VENT VERTICALLY AS CLOSE TO FIXTURE AS POSSIBLE.
- N. PROVIDE ¾" TEE FOR IRRIGATION AT MAIN SHUT-OFF.
- O. PROVIDE WATER HEATER WITH PRESSURE. TEMPERATURE RELIEF VALVE AND PAN AND DRAIN LINE PIPED TO THE EXTERIOR OF THE BUILDING.
- P. ALL COMBUSTION EQUIPMENT SHALL BE DIRECTLY VENTED.
- Q PROVIDE NON-REMOVABLE BACK-FLOW DEVICE ON ALL EXTERIOR HOSE BIBS.
- R. A 12" MINIMUM ACCESS PANEL TO BATHTUB TRAP CONNECTION IS REQUIRED.
- S. PROVIDE DRAIN PAN UNDER WASHER WITH DRAIN IN LAUNDRY ROOM AND SHUT OFF VALVE.
- T. PROVIDE SOLID METAL PIPE FOR DRYER VENT TO EXTERIOR. DO NOT INSTALL SCREEN ON DRYER VENT. PROVIDE ENERGY EFFICIENT DRYER VENT (WITH FLOATING SHUTTLE)

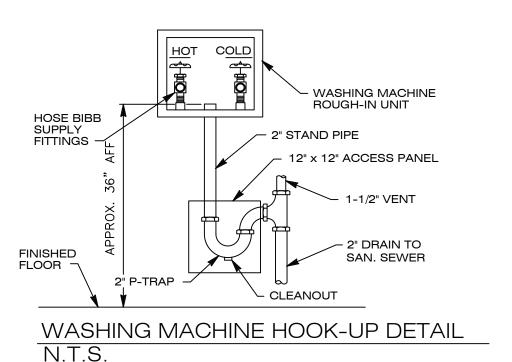


A--2" re-vent. 3'-6" above

BOOF" Vent, 3" Through Roof
C--3" Cleanout
D--1 1/2" Waste Line
E--Sanitary Tee
F--Fitting Double fixture
G--Combination Wye &
Bighth
H--2" Clothes WasherTrap
6ö 10" above floor
I--2" Clothes Washer
Standpipe
J--1/1/2" Plumbing Vent 6"
above Roof

K--2" Cleanout
L--Sanitary Tee
M--2" waste Line
O--2" Cleanout
P--3" vent Thru Roof
Q--Sanitary Cross
R--Trap Arm
S--3" Waste Line
T--2" Shower Trap
U--Tub Trap
V--PVC--90 deg Short
Swep
W--3"x2" Side Inlet "T"

X--2" Way Cleanout



ELECTRICAL NOTES:

- 1. APPLICABLE CODES THE ENTIRE INSTALLATION SHALL CONFORM TO THE RULES AND REGULATIONS OF THE PARTIES HAVING JURISDICTION:
- A. NATIONAL ELECTRICAL CODE AND LATEST EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION.
- B. STATE CODES, LOCAL ELECTRICAL CODES AND OTHER REGULATIONS OF MUNICIPALITY.2. PERMITS CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY LOCAL UTILITY COMPANY ORDINANCES.
- CONTRACTOR SHALL COOPERATE WITH UTILITY COMPANIES ON ELECTRIC INSTALLATIONS.

 3. CERTIFICATE OF INSPECTION UPON COMPLETION, THE ELECTRICAL CONTRACTOR SHALL FURNISH A CERTIFICATE OF
- 3. CERTIFICATE OF INSPECTION UPON COMPLETION, THE ELECTRICAL CONTRACTOR SHALL FURNISH A CERTIFICATE OF FINAL INSPECTION TO THE OWNER FROM THE ELECTRICAL UNDERWRITERS OF N.Y. LLC COVERING ALL ELECTRICAL INSTALLATIONS IN THESE PLANS AND IN THIS CONTRACT. THE COST OF SAID INSPECTION SHALL BE BORNE BY THE CONTRACTOR AND SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
- 4. ELECTRIC UTILITY COMPANY STANDARDS ENTIRE INSTALLATION SHALL CONFORM TO ALL RULES AND REGULATIONS FOR SERVICE AS ISSUED BY THE UTILITY COMPANY.
- 5. LAWS, ORDINANCES AND FEES THIS CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL TAXES, FEES AND OTHER DOCUMENTS AND OBTAIN ALL NECESSARY CERTIFICATES OF INSPECTION FOR HIS WORK AND DELIVER SAME TO THE ARCHITECT BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK. THIS CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS) WHICH ARE NECESSARY TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS WHETHER OR NOT SHOWN ON THE DRAWINGS AND / OR SPECIFIED. WITH SUBMISSION OF BID, THE ELECTRICAL CONTRACTORS SHALL GIVE WRITTEN NOTICE TO THE ARCHITECT OF ANY MATERIALS OR EQUIPMENT BELIEVED INADEQUATE OR UNSUITABLE IN VIOLATION OF LAWS, ORDINANCES, RULES OR
- SUCH WRITTEN NOTICE, IT IS MUTUALLY AGREED THAT THIS CONTRACTOR HAS INCLUDED THE COST OF ALL REQUIRED ITEMS IN HIS PROPOSAL AND THAT HE WILL BE RESPONSIBLE FOR THE APPROVED SATISFACTORY FUNCTIONING OF THE NEW BRANCH CIRCUITS. NEW LIGHTING, NEW APPLIANCE HOOK-UPS REQUIRED FOR THIS PROJECT.

REGULATIONS OF AUTHORITIES HAVING JURISDICTION AND ANY NECESSARY ITEMS OF WORK OMITTED. IN THE ABSENCE OF

- 6. O.S.H.A. ALL WORK ON THIS PROJECT SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FEDERAL STATUES SUCH AS THE OCCUPATIONAL HEALTH ACT.
- 7. MATERIALS ALL MATERIALS SHALL BE NEW AND COMPLY WITH THE BEST ACCEPTED INDUSTRY STANDARDS AND SHALL BEAR THE UNDERWRITERS' LABORATORIES(UL) SEAL OF APPROVAL. ALL MATERIAL SHALL BE OF SUCH QUALITY AND DIMENSIONS SPECIFIED AND SHALL BE MANUFACTURED IN ACCORDANCE WITH AMERICAN STANDARDS ASSOCIATION.
- NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION I.E.E.E. AND UNDERWRITERS' LABORATORIES.

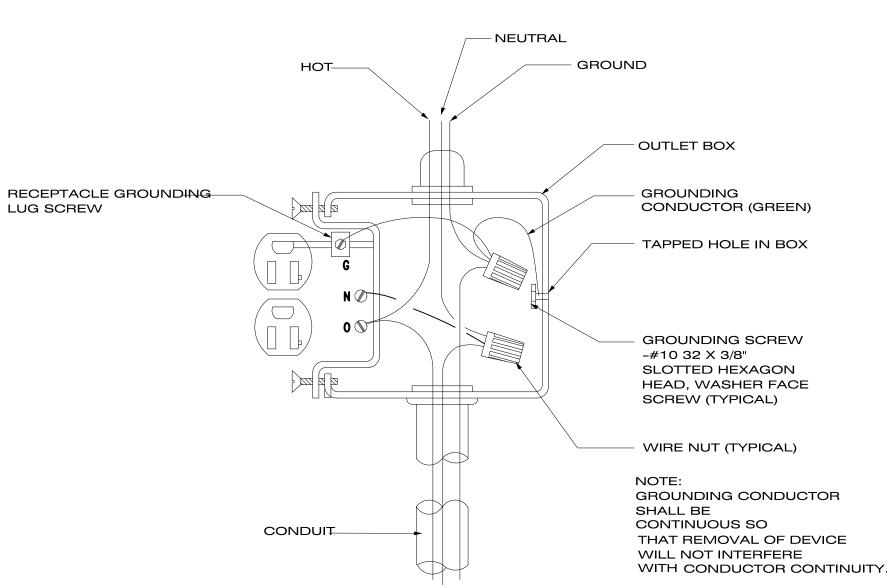
 8. APPEARANCE OF WORK ALL WORK SHALL BE EXECUTED TO PRESENT A NEAT APPEARANCE AND LEAVE THE INSTALLATION
- IN PROPER WORKING ORDER

 9. GUARANTEE THE CONTRACTOR SHALL REPLACE ANY WORK OR MATERIALS WHICH DEVELOPS DEFECTS FROM ORDINARY WEAR
 AND TEAR WITHIN ONE YEAR OF THE DATE OF THE FINAL CERTIFICATE OF APPROVAL. REPLACEMENT SHALL BE MADE WITHOUT
- COST TO OWNER.

 10. LAYOUT, CUTTING PATCHING THE ELECTRICAL CONTRACTOR SHALL LAYOUT ALL CONDUITS, BOX LOCATIONS, ETC. IN ADVANCE OF POURING CONCRETE OR INSTALLATION OF WALLS. ANY CUTTING OR PATCHING REQUIRED BECAUSE OF THE CONTRACTOR'S NEGLECT TO PROPERLY LAY OUT THE WORK SHALL BE PERFORMED AT THE EXPENSE OF THE CONTRACTOR
- CONTRACTOR'S NEGLECT TO PROPERLY LAY OUT THE WORK SHALL BE PERFORMED AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE APPROVED BY THE ARCHITECT TO ASSURE A WORKMANLIKE JOB. CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE PLANS AND SHALL CONTACT THE ARCHITECT IF CONFLICTS ARISE.
- 11. THE ELECTRICAL CONTRACTOR SHALL ALSO FURNISH SAMPLES OF WIRE, CABLE, PLUG RECEPTACLES, LIGHT SWITCHES, DISCONNECT SWITCHES AND OTHER SMALL PARTS AS REQUESTED BY THE ARCHITECT.
- 12. GENERAL PURPOSE BRANCH CIRCUITS:DESCRIPTION INSTALL GENERAL PURPOSE BRANCH CIRCUITS AS SHOWN ON THE SKETCH DIAGRAMS.13. WIRING METHOD ALL GENERAL PURPOSE BRANCH CIRCUITS SHALL BE INSTALLED AS SHOWN ON DRAWINGS,
- NO WIRE SIZE SMALLER THAN #12 AWG COPPER SHALL BE USED. DO NOT RUN EXPOSED WIRING IN FINISHED SPACES.

 14. LOCATION OF OUTLETS:
- WALL SWITCHES: 4'-0"

 CONVENIENCE OUTLETS 3'-8" AT COUNTERS
- CONVENIENCE OUTLETS 1'-6"
- 15. PROVIDE SEPARATE CIRCUITS EACH FOR DISHWASHER, GARBAGE DISPOSAL, REFRIGERATOR WASHER, DRYER, F.A.U. AND MICROWAVE OVEN.
- 16. SWITCH OUTLETS SHALL BE HALF HOT.
- 17. BATHROOM AND KITCHEN FANS: INSTALL LOCAL EXHAUST SYSTEMS IN ALL BATHROOMS
 AND IN THE KITCHEN TO MEET THE REQUIREMENTS OF SECTION 5 OF ASHRAE STANDARD 62.2-2007.
 DESIGN AND INSTALL FAN DUCTS TO MEET THE REQUIREMENTS OF SECTION 7 OF ASHRAE STANDARD
 62.2-2007. EXHAUST TO OUTDOORS AND ALSO USE ENERGY STAR LABELED BATHROOM EXHAUST FANS.
- 18. FOR EVERY BATHROOM EXHAUST FAN, INSTALL AN OCCUPANCY SENSOR OR AN AUTOMATIC HUMIDISTAT CONTROLLER OR AN AUTOMATIC TIMER TO OPERATE FAN FOR A TIMED INTERVAL AFTER OCCUPANT LEAVES THE ROOM OR A CONTINUOUSLY OPERATING EXHAUST FAN.
- 19. ALL FIXTURES, OUTLETS, RECEPTACLES, ETC., PENETRATING FIRE ASSEMBLIES SHALL BE RATED AND INSTALLED TO MEET THE REQUIREMENTS OF THE BUILDING CODE. OUTLET BOXES ON OPPOSITE SIDES OF FIRE ASSEMBLY WALLS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF AT LEAST 24".
- 20. ALL EQUIPMENT INSTALLED OUTDOORS AND EXPOSED TO WEATHER SHALL BE WEATHERPROOF.
- 21. PROVIDE GROUND FAULT CIRCUIT INTERRUPTERS, G.F.I.C., AT ALL BATHS, GARAGES, LAUNDRY AREAS, OUT DOOR AND WET AREA OUTLETS. ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT PHASE, 15 AND 20 AMP RECEPTACLE OUTLETS INSTALLED IN DWELLING UNIT BEDROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERBUIPTER(S)
- 22. EACH CONDUCTOR OF EACH SYSTEM SHALL BE PERMANENTLY TAGGED IN COMPLIANCE WITH O.S. H. A.
- 23. THE COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE PRESENTLY ADOPTED EDITION OF THE N.E.C., ART. # 250. PROPER GROUND REQUIRES #4 COPPER WIRE, 20'-0" LONG, EMBEDDED INTO CONCRETE AND PROVIDE BOND TO GAS OR WATER LINE.
- 24. ALL APPLIANCES AND LIGHTING FIXTURES SHALL BE SUPPLIED BY THE OWNER AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNDER THIS WORK.
- 25. ALL RECEPTACLES SHALL BE TAMPER RESISTANT (TR) TYPE AS PER NEC.
- 26. ENERGY CODE: 404.1 MINIMUM OF 75% OF INSTALLED LIGHTING FIXTURES WILL BE HIGH EFFICIENCY LED OR EQUAL.
- 27. ELECTRICAL PANEL SHALL BE GROUNDED TO THE FOUNDATION FOOTING WITH #4 BARE COPPER WIRE ENCASED IN CONCRETE 2" MIN. AND CLAMPED TO #4 CONTINUOUS HORIZONTAL REBAR.

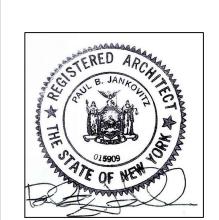


GROUNDED RECEPTACLE INSTALLATION

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IT IS A VIOLATION OF THE LAW FOR ANY PERSON
UNLESS ACTING UNDER THE DIRECTION OF A
LICENSED ARCHITECT. TO ALTER THIS DOCUMENT
IN ANY WAY, IF THIS DOCUMENT BEARING THE
SEAL OF AN ARCHITECT IS ALTERED, THE ALTERING
ARCHITECT SHALL AFFIX HIS HER SEAL AND THE
NOTATION "ALTERED BY", FOLLOWED BY HIS HER
SIGNATURE AND THE DATE OF SUCH ALTERATION.
AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

ALBANY POST ROAD DUPLEX APARTMENTS 39 OLD ALBANY POST ROAD OSSINING, NY



DATE:

NO. DATE DESCRIPTION

1. 1.29.20 AREA REDUCED

DATE:

NOV. 5, 2019

PROJECT NO.

110519

SCALE:

NOT SOME DESCRIPTION

1. 1.29.20 AREA REDUCED

DATE:

NOV. 5, 2019

PROJECT NO.

110519

SCALE:

A-16.0

DRAWING NO.

N.T.S.