|                         | PLUMBING LEGEND                              |  |  |  |  |
|-------------------------|--|--|--|--|--|
| SYMBOLS                 | DESCRIPTION                                  |  |  |  |  |
|                         | SOIL OR WASTE PIPING                         |  |  |  |  |
|                         | VENT PIPING                                  |  |  |  |  |
|                         | PIPING BURIED OR UNDER FLOOR (SERVICE NOTED) |  |  |  |  |
| ——AW——                  | ACID WASTE PIPING                            |  |  |  |  |
| IW                      | INDIRECT WASTE PIPING                        |  |  |  |  |
| ——EJ——                  | EJECTOR DISCHARGE PIPING                     |  |  |  |  |
|                         | DOMESTIC COLD WATER PIPING                   |  |  |  |  |
|                         | DOMESTIC HOT WATER PIPING                    |  |  |  |  |
|                         | DOMESTIC HOT WATER CIRCULATION PIPING        |  |  |  |  |
| — G—                    | NATURAL GAS PIPING                           |  |  |  |  |
|                         | EXISTING PIPING TO REMAIN                    |  |  |  |  |
| × × ×                   | EXISTING PIPING TO BE REMOVED                |  |  |  |  |
| 1///                    | EXISTING PIPING TO BE ABANDONED              |  |  |  |  |
| •                       | POINT OF NEW CONNECTION TO EXISTING WORK     |  |  |  |  |
|                         | WATER HAMMER ARRESTER                        |  |  |  |  |
| 귝                       | HOSE BIBB                                    |  |  |  |  |
| <b>→</b>                | WALL HYDRANT                                 |  |  |  |  |
| I <del></del>           | CLEAN-OUT/PLUG OUTLET                        |  |  |  |  |
| 0                       | CLEAN-OUT DECK PLATE OR GRADE PLATE          |  |  |  |  |
| ∞—                      | "P" TRAP                                     |  |  |  |  |
| <del>-</del>            | BOTTOM PIPE CONNECTION                       |  |  |  |  |
| <b>—</b>                | TOP PIPE CONNECTION                          |  |  |  |  |
| C                       | ELBOW TURNED DOWN                            |  |  |  |  |
| 0                       | ELBOW TURNED UP/CONNECTION TO VERTICAL LINE  |  |  |  |  |
| <u>5</u>                | VALVE IN VERTICAL                            |  |  |  |  |
| - <b>Ğ</b> - <b>→</b> - | GATE OR BALL VALVE                           |  |  |  |  |
| - <u>-</u> -            | BALL VALVE                                   |  |  |  |  |
| <b>→ →</b>              | CHECK VALVE                                  |  |  |  |  |
| <b>♣ -♦</b> -           | OS&Y (OUTSIDE SCREW & YOKE) VALVE            |  |  |  |  |
| <del>-</del>            | GAS COCK                                     |  |  |  |  |
| 7                       | RELIEF VALVE                                 |  |  |  |  |
| <del></del>             | UNION  |  |  |  |  |
| O                       | FLOOR DRAIN                                  |  |  |  |  |
|                         | PUMP   |  |  |  |  |
| M                       | METER  |  |  |  |  |
| <del></del>             |  |  |  |  |  |

### PLUMBING GENERAL NOTES

- DO NOT SCALE FROM THESE DRAWINGS.
- 2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE AND ADOPTED REGULATIONS INCLUDING BUT NOT LIMITED TO NATIONAL, CITY, STATE, LOCAL CODES AND ORDINANCES WHICH MAY BE IN EFFECT. ALL PLUMBING MATERIALS, INSTALLATION PROCEDURES AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE CODE ENFORCEMENT AUTHORITIES HAVING JURISDICTION. THE PLUMBING CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FOR THIS INSTALLATION.
- 3. UPON CONTRACT AWARD, CONTRACTOR SHALL CONTACT LOCAL UTILITY COMPANY TO SCHEDULE ANY UTILITY UPGRADES. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL UTILITY UPGRADES. SECURE ALL PERMITS AND INSPECTIONS.
- 4. ALL CONNECTIONS TO EXISTING BUILDING SERVICES SHALL BE CAREFULLY COORDINATED WITH THE UTILITY CO. AND THE OWNER'S SCHEDULE. SERVICE WORK OF THIS NATURE TO OCCUR DURING UNOCCUPIED BUILDING HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL EXISTING EQUIPMENT IS OPERATIONAL AFTER ANY SHUTDOWN OCCURS.
- 5. CHANGES OR SUBSTITUTIONS OF EQUIPMENT WILL NOT BE ALLOWED WITHOUT SPECIFIC WRITTEN APPROVAL FROM THE ARCHITECT OR ENGINEER. ALL COSTS RESULTING FROM THE SELECTION OF OTHER THAN SPECIFIED EQUIPMENT SHALL BE BORNE BY THE CONTRACTOR, INCLUDING, BUT NOT LIMITED TO WORK AFFECTING OTHER CONTRACTORS, THE OWNER, OR RE-DESIGN ISSUES.
- 6. ALL INDICATED WORK SHALL BE PERFORMED BY THE PLUMBING CONTRACTOR UNLESS OTHERWISE NOTED.
- 7. DO NOT USE ANY PART OF THE OWNER'S BUILDING AS A SHOP, EXCEPT PARTS DESIGNATED FOR SUCH PURPOSES BY THE OWNER.
- 8. ALL CONTRACT WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE WRITTEN SPECIFICATIONS FOR THIS PROJECT WHICH ARE CONSIDERED TO BE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS. ALL CONTRACTORS AND SUBCONTRACTORS SHALL MAINTAIN (AT THE JOB SITE) AND REFER TO COPIES OF THE WRITTEN SPECIFICATIONS AS PART OF THESE DRAWINGS. REFER TO THE WRITTEN SPECIFICATIONS IN CONJUNCTION WITH THE PLANS FOR FULL PROJECT SCOPE. IN ALL CASES OF DISCREPANCY BETWEEN PLANS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN AND WHERE IT IS UNCLEAR, SUCH CASES SHALL BE REFERRED TO THE ENGINEER FOR ADJUDICATION.
- 9. ANY DISCREPANCIES OR INADEQUACIES WITHIN THESE BID DOCUMENTS OR BETWEEN THESE BID DOCUMENTS AND RELATED HVAC, ELECTRICAL, FIRE PROTECTION, ARCHITECTURAL, INTERIOR DECOR AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER PRIOR TO BID SUBMISSION.
- 10. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID FOR THE PROPOSED WORK. HE SHALL BE RESPONSIBLE TO VERIFY FIELD CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO SUBMISSION OF BIDS IN WRITING
- 11. THE PLUMBING CONTRACTOR SHALL REVIEW THESE PLANS AND SPECIFICATIONS, AS WELL AS THE RELATED HVAC, ELECTRICAL, ARCHITECTURAL, INTERIOR DECOR AND SITE ENGINEERING DRAWINGS TO BECOME FAMILIAR WITH THE FULL PROJECT SCOPE. DURING THE COURSE OF CONSTRUCTION COORDINATION AND ACTUAL CONSTRUCTION, THE PLUMBING CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS AND TRADES ON THIS PROJECT TO ENSURE A SMOOTH RUNNING AND CAREFULLY COORDINATED INSTALLATION.
- 12. CONTRACTOR SHALL COORDINATE HIS SCHEDULING WITH THE OWNER AND GENERAL CONTRACTOR TO COMPLY WITH THE OWNERS USAGE OF THE BUILDING.
- 13. IF ANY UNEXPECTED DISCOVERY OF SUSPECTED HAZARDOUS MATERIALS, IE ASBESTOS, IS MADE DURING THE COURSE OF WORK, THE CONTRACTOR SHALL REPORT THE DISCOVERY IMMEDIATELY TO THE OWNER. THE CONTRACTOR SHALL STOP ANY WORK THAT MAY DISTURB THE SUSPECTED HAZARDOUS MATERIAL. CONTRACTOR SHALL RESUME WORK AFTER ALL HAZARDOUS MATERIAL HAS BEEN REMEDIATED.
- 14. CONTRACTOR RESPONSIBLE FOR THE PROPER CARE OF ALL OWNER'S EQUIPMENT AND/OR FURNISHINGS WHICH ARE REQUIRED TO BE TEMPORARILY REMOVED, STORED OR RELOCATED. CONTRACTOR SHALL REPLACE, REPAIR OR REIMBURSE OWNER FOR ALL DAMAGES TO SUCH PROPERTIES AT FULL REPLACEMENT VALUE AND EQUIVALENCY. CONTRACTOR SHALL ADVISE OWNER FOR DISPOSITION OR REMOVED EQUIPMENT AND/OR MATERIALS.
- 15. CONTRACTOR'S WORK MAY BE REQUIRED OUTSIDE OF DESIGNATED SPACE. ALL SYSTEMS BEING DEMOLISHED AND REMOVED, MODIFIED, AND/OR TERMINATED SHALL BE FIELD VERIFIED TO INSURE NO WORK PERFORMED, INSIDE OR OUTSIDE OF THE DESIGNATED SPACE, SHALL DISRUPT ANY SERVICE OR SYSTEMS OF ANY OTHER AREAS. IF ANY CONDITIONS ARISE THAT ARE NOT IDENTIFIED ON DRAWINGS, IMMEDIATE NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER OR OWNER. NO WORK SHALL PROCEED WITHOUT APPROVALS FROM ENGINEER OR OWNER.
- 16. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY HAVE TO BE ADAPTED TO COMPLY WITH EXISTING BUILDING CONDITIONS. CONTRACTOR SHALL SUBMIT PLUMBING SHOP DRAWINGS, INDICATING LOCATIONS, AND ROUTING OF DUCTS, PIPING, AND WIRING.
- 17. PIPING SHOWN ON DRAWINGS SHOW THE GENERAL RUN AND CONNECTIONS AND MAY OR MAY NOT IN ALL PARTS BE SHOWN IN ITS EXACT POSITION. CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING THE PIPING SUITABLE IN EVERY RESPECT FOR THE WORK. PIPING SHALL BE INSTALLED SO THAT ACCESS, CLEARANCE, HEADROOM AND PITCH ARE MAINTAINED. CONTRACTORS OF THE VARIOUS TRADES SHALL COORDINATE THE INSTALLATION.
- 18. ALL CONTRACTORS SHALL PROVIDE CUTTING AND PATCHING FOR THEIR RESPECTIVE TRADES.
- 19. REMOVE AND REINSTALL CEILING SYSTEM AS REQUIRED FOR THE INSTALLATION OF PLUMBING WORK AND REPLACE IN KIND ANY COMPONENTS DAMAGED BY PERSONNEL OR EQUIPMENT DURING PERFORMANCE OF THE WORK. PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL, MATCH EXISTING ADJACENT SURFACES.
- 20. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL CONNECTION OF DOMESTIC WATER, GAS, SANITARY AND VENT PIPING INCLUDING VALVES, TRIMS AND EQUIPMENT, TO PLUMBING FIXTURES AT LOCATIONS INDICATED ON THE PLANS, AS WELL AS THOSE SHOWN ON ARCHITECTURAL PLANS.
- 21. RUN ALL DOMESTIC WATER AND SANITARY WASTE AND LOWEST LEVEL, AND SANITARY VENT AS HIGH AS POSSIBLE THROUGHOUT ENTIRE BUILDING. INSTALL LONG RUNS OF PIPING WITHIN STEEL (JOIST) SPACE AND OTHER PIPING TIGHT TO BOTTOM OF STEEL. COORDINATE AND VERIFY WITH OTHER CONTRACTORS SO AS NOT TO INTERFERE WITH DUCTWORK, LIGHTING SYSTEMS, ETC.
- 22. ALL EXPOSED HORIZONTAL AND VERTICAL PIPING SHALL BE INSTALLED IN A NEAT ARRANGEMENT IN LOCATIONS WHICH ARE THE MOST INCONSPICUOUS. VERTICAL DROPS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND THEIR FINAL LOCATIONS SHALL BE COORDINATED AND RUN WITHIN CHASES, WALLS, SOFFITS WITH OTHER MECHANICAL/ELECTRICAL FEEDS. PLUMBING CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CHASE & SOFFIT LOCATIONS TO COORDINATE ALL VERTICAL PIPING ROUTING. ALL SUCH LOCATIONS ARE TO BE REVIEWED WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
- 23. ALL PIPING, EXCEPT IN MECHANICAL ROOMS SHALL BE ORGANIZED NEATLY AND KEPT TIGHT TO WALLS AND CEILINGS WITH STANDARD CLEARANCE FOR FUTURE FURRING BY GENERAL CONTRACTOR.
- 24. ALL PLUMBING FIXTURES/APPLIANCES SHALL HAVE THEIR OWN INDEPENDENT SHUT-OFF VALVES, INSTALLED IN AN EASILY ACCESSIBLE AND CONVENIENT LOCATION. EACH DOMESTIC WATER BRANCH LINE SHALL HAVE ITS OWN SHUT-OFF VALVE.
- 25. DOMESTIC HOT WATER HEATER TEMPERATURE/PRESSURE RELIEF VALVES SHALL BE PIPED FULL SIZE TO THE NEAREST APPROVED STANDPIPE OR FLOOR DRAIN. THIS REQUIREMENT SHALL BE APPLICABLE TO ALL DOMESTIC WATER HEATERS EXCEPT INSTANTANEOUS WATER HEATERS.
- 26. THE PLUMBING CONTRACTOR SHALL RUN OUT ALL BUILDING DRAINAGE AND WASTE LINES TO WITHIN 5'-0" OF THE BUILDING FOUNDATION AND MAKE FINAL CONNECTIONS TO SITE SYSTEMS AS INDICATED ON PLANS. COORDINATE WITH SITE ENGINEER.
- 27. ALL UNDERSLAB PIPING AND PENETRATIONS THRU GRADE BEAMS, FLOOR SLABS AND

FOOTINGS SHALL BE COORDINATED WITH GENERAL CONTRACTOR AND ALL ASSOCIATED SUBCONTRACTORS PRIOR TO INSTALLATION.

- 28. FURNISH AND INSTALL PIPE SLEEVES PASSING THROUGH EXTERIOR WALLS. SLEEVES SHALL BE STEEL PIPE: ASTM A53, TYPE E, GRADE A, SCHEDULE 40, GALVANIZED PLAIN ENDS, LENGTH 2" LONGER THAN WIDTH OF WALL. COORDINATE LOCATION WITH FOUNDATION/FOOTINGS PLANS.
- 29. ALL PIPING SYSTEM PENETRATIONS OF FIRE-RATED WALLS AND FLOORS SHALL BE SEALED WITH UL APPROVED FIRE RESISTANT JOINT SEALER TO MAINTAIN FIRE, SMOKE AND DRAFT INTEGRITY OF STRUCTURE. SPECIFIED TECHNOLOGIES "PENSIL 200" OR EQUAL, TWO-PART FOAMED-IN-PLACE SILICONE SEALANT. FIRE RESISTANT SEALER SHALL BE TESTED IN ACCORDANCE WITH ASTM 814. INSTALL SEALANT, INCLUDING FOAMING, PACKING AND OTHER ACCESSORY MATERIALS TO FILL OPENINGS WHERE FIRE-RATED WALL PENETRATIONS OCCUR. COMPLY WITH INSTALLATION REQUIREMENTS ESTABLISHED BY TESTERS AND INSPECTION AGENCY.
- 30. ALL PENETRATIONS IN FOUNDATION WALLS AND FLOORS INCLUDING SLAB PENETRATIONS SHALL BE SUBSTANTIALLY SEALED BY UTILIZING A NON-CRACKING POLYURETHANE OR SIMILAR CAULK, OR EQUIVALENT IN ORDER TO CLOSE OFF THE SOIL GAS (RADON) ENTRY ROUTES AS REQUIRED BY CODE.
- 31. INSULATE ALL NEW HOT WATER AND COLD WATER PIPING SYSTEMS. INSULATION SHALL BE INSTALLED AS A COMPLETE SYSTEM INCLUDING VALVES, FITTINGS, ETC. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 32. INSULATE ROOF DRAIN & OVERFLOW DRAIN BODIES AND ALL INTERIOR STORM PIPING. INSULATION SHALL BE INSTALLED AS A COMPLETE SYSTEM INCLUDING FITTINGS, ETC. SEE
- 33. ALL CONTRACTORS REMOVING ANY EQUIPMENT, PIPES, DUCTS, CONDUITS, ETC. SHALL PATCH ALL SURFACES DISTURBED OR LEFT UNFINISHED BY THIS WORK TO MATCH ADJACENT
- 34. PROVIDE GAS PIPING SUPPORTS ON ROOF AT ALL DIRECTION CHANGES AND STRAIGHT RUNS WITH SPACING NOT EXCEEDING LENGTHS STATED IN TABLE 415.1 OF IFGC, 2009 FOR MATERIALS AND LISTED PIPE SIZES. SUPPORTS SHALL BE SADDLE BLOCK ROLLER TYPE WITH PIPE SECURED TO STAND WITH CLAMP OR METAL BAND. SUPPORT SHALL NOT BE SECURED TO ROOF SURFACE. BOTTOM OF PIPING SHALL BE MINIMUM 3 1/2" ABOVE ROOF SURFACE.
- 35. WHERE SLABS ARE CUT FOR UNDERSLAB PIPING OR BEING REPLACED, COORDINATE WITH ARCHITECTURAL DRAWINGS TO PITCH FLOOR TO FLOOR DRAIN.
- 36. ALL FLOOR DRAIN TRAPS SHALL BE PROVIDED WITH DEEP SEAL TRAPS AND TRAP PRIMER VALVES.
- 37. THE PLUMBING CONTRACTOR SHALL PROVIDE A COMPLETE SET OF "AS-BUILT" DRAWINGS INDICATING THE PRECISE LOCATION OF ALL SYSTEMS, EQUIPMENT CONCEALED OR EMBEDDED PIPES, PIPE CONNECTIONS AND ACCESS DOORS. THESE PLANS SHALL ALSO INCLUDE ALL CHANGES AND DEVIATIONS FROM BID DOCUMENTS.

### **APPLICABLE CODES:**

SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST CODES AND SUBCODES AS ADOPTED BY THE STATE OF NEW JERSEY:

- NEW JERSEY UNIFORM CONSTRUCTION CODE (NJUCC)
- REHABILITATION SUBCODE 5:23-6
- BARRIER-FREE SUBCODE 5:23-7

HOT WATER

- ADMINISTRATIVE CODE: TITLE 6
   2009 INTERNATIONAL BUILDING CODE NJ EDITION
- 2011 NATIONAL ELECTRICAL CODE
- 2009 NATIONAL STANDARD PLUMBING CODE
  2009 INTERNATIONAL MECHANICAL CODE
- 2009 INTERNATIONAL MECHANICAL CODE
   2009 INTERNATIONAL FUEL GAS CODE
- 2009 INTERNATIONAL FUEL GAS CODE
   2007 ASHRAE 90.1 ENERGY CONSERVATION CODE
- REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISDICTION

## PLUMBING ABBREVIATIONS

| AW    | ACID WASTE                   | HWR   | HOT WATER RETURN           |
|-------|------------------------------|-------|----------------------------|
| CO    | CLEANOUT                     | IW    | INDIRECT WASTE             |
| CODP  | CLEANOUT DECK PLATE          | LAV   | LAVATORY                   |
| COG   | CLEANOUT GRADE               | OSY   | OUTSIDE SCREW & YOKE GATE  |
| COWP  | CLEANOUT WALL PLATE          |       | VALVE                      |
| CW    | COLD WATER                   | PSI   | POUNDS PER SQUARE INCH     |
| DN    | DOWN (PENETRATES FLOOR SLAB) |       | (GAUGE)                    |
| DFU   | DRAINAGE FIXTURE UNIT        | SAN   | SANITARY                   |
| EJDIS | EJECTOR DISCHARGE            | ST    | STORM                      |
| EWC   | ELECTRIC WATER COOLER        | SQ FT | SQUARE FOOT                |
| FPWH  | FROST PROOF WALL HYDRANT     | UG    | UNDERGROUND                |
| FD    | FLOOR DRAIN                  | UP    | UP (PENETRATES FLOOR SLAB) |
| FU    | FIXTURE UNIT                 | UR    | URINAL                     |
| FT    | FEET                         | V     | VENT                       |
| G     | GAS                          | VIF   | VERIFY IN FIELD            |
| GPM   | GALLONS PER MINUTE           | VTR   | VENT THROUGH ROOF          |
| GAL   | GALLONS                      | WC    | WATER CLOSET               |
| НВ    | HOSE BIBB                    | WFU   | WATER FIXTURE UNITS        |
|       |                              |       |                            |

# PLUMBING FIXTURE ROUGHING SCHEDULE

WHA WATER HAMMER ARRESTOR

| PLAN<br>NO | FIXTURE                 | WASTE  | TRAP   | VENT   | CW   | HW   | NOTES |
|------------|-------------------------|--------|--------|--------|------|------|-------|
| P-1        | TOILET                  | 4"     | -      | 2"     | 1"   | -    | 1,2   |
| P-2        | LAVATORY                | 1 1/2" | 1 1/2" | 1 1/2" | 1/2" | 1/2" | 1,3   |
| P-3        | URINAL                  | 2"     | -      | 1 1/2" | 3/4" | -    | 1     |
| P-4        | SINK                    | 1 1/2" | 1 1/2" | 1 1/2" | 1/2" | 1/2" | 1,3   |
| P-5        | SINK                    | 1 1/2" | 1 1/2" | 1 1/2" | 1/2" | 1/2" | 1,3   |
| P-6        | WATER COOLER            | 1 1/2" | 1 1/2" | 1 1/2" | 1/2" | 1/2" | 1     |
| P-7        | SHOWER                  | 2"     | 2"     | 1 1/2" | 1/2" | 1/2" | 1     |
| P-8        | MOP RECEPTOR            | 3"     | 3"     | 1 1/2" | 3/4" | 3/4" | -     |
| P-9        | SINK                    | 1 1/2" | 1 1/2" | 1 1/2" | 1/2" | 1/2" | 1,3   |
| P-10       | INDIRECT<br>WASTE DRAIN | 3"     | 3"     | 1 1/2" | 3/4" | 3/4" |       |
| FD         | FLOOR DRAIN             | 2"     | 2"     | 1 1/2" | -    | -    | -     |

### NOTES:

- INSTALL FIXTURES IN ACCORDANCE WITH STATE AND LOCAL BARRIER FREE REQUIREMENTS.
   REFER TO ARCHITECTURAL DRAWINGS FOR EXACT TYPE, COUNT, AND LOCATION OF HANDICAP
- LOCATE TRIP LEVER ON OPEN SIDE OF COMPARTMENT PER ADA REQUIREMENTS.
   INSULATE ALL EXPOSED PIPING BELOW LAVATORIES/SINKS WITH TRUBRO, LAV GUARD INSULATION KIT OR EQUAL.

### PLUMBING FIXTURE SCHEDULE

- P-1 WATER CLOSET: KOHLER #K-4325 "KINGSTON", 1.28 GPF ELONGATED WALL MOUNTED TOILET WITH K-7531 1.28 GPF HYBRID FLUSH VALVE, CHURCH MODEL #9500SSC OPEN FRONT SEAT WITHOUT COVER AND JR SMITH FIXTURE SUPPORT #0411.
- P-1A WATER CLOSET: KOHLER #K-4325 "KINGSTON", 1.28 GPF ELONGATED WALL MOUNTED TOILET WITH K-7531 1.28 GPF HYBRID FLUSH VALVE, CHURCH MODEL #9500SSC OPEN FRONT SEAT WITHOUT COVER AND JR SMITH FIXTURE SUPPORT #0411. MOUNT FIXTURE TO MEET ADA REQUIREMENTS.
- P-2 LAVATORY, KOHLER #K-2005 "KINGSTON" WALL-MOUNTED LAVATORY WITH #K-7515 0.5GPM HYBRID FAUCET WITH TEMPERATURE MIXING VALVE, SUPPLIES, STOP VALVES, P-TRAP, GRID DRAIN AND JR SMITH CARRIER FIGURE #0710. PROVIDE INSULATION KIT BY TRUBRO LAV GUARD.
- P-2A LAVATORY, KOHLER #K-2005 "KINGSTON" WALL-MOUNTED LAVATORY WITH #K-7515 0.5 GPM HYBRID FAUCET WITH TEMPERATURE MIXING VALVE, SUPPLIES, STOP VALVES, P-TRAP, GRID DRAIN AND JR SMITH CARRIER FIGURE #0710. PROVIDE INSULATION KIT BY TRUBRO LAV GUARD. MOUNT FIXTURE TO MEET ADA REQUIREMENTS.
- P-2B LAVATORY: BRADLEY #MG-3-IR-NSD-TMA, 3 POSITION WASHFOUNTAIN WITH INFRARED CONTROL, NO SOAP DISPENSER, THERMOSTATIC MIXING VALVE, SUPPLIES, STOP VALVES, AND P-TRAP. COLOR AS SELECTED BY ARCHITECT FROM ALL AVAILABLE COLORS (STANDARD AND OPTIONAL).
- P-2C LAVATORY: BRADLEY #MG-2-IR-NSD-TMA, 2 POSITION WASHFOUNTAIN WITH INFRARED CONTROL, NO SOAP DISPENSER, THERMOSTATIC MIXING VALVE, SUPPLIES, STOP VALVES, AND P-TRAP. COLOR AS SELECTED BY ARCHITECT FROM ALL AVAILABLE COLORS (STANDARD AND OPTIONAL).
- P-3 URINAL: KOHLER #K-4904-ET "BARDON" HIGH EFFICIENCY URINAL WITH K-7537 0.5 GPF HYBRID FLUSH VALVE AND JR SMITH FIXTURE SUPPORT 0616.
- 3A URINAL: KOHLER #K-4904-ET "BARDON" HIGH EFFICIENCY URINAL WITH K-7537 0.5 GPF HYBRID FLUSH VALVE AND JR SMITH FIXTURE SUPPORT 0616. MOUNT FIXTURE TO MEET ADA REQUIREMENTS.
- P-4 SINK: ELKAY MODEL #LRAD2219 "LUSTERTONE" SINGLE BOWL SINK WITH 3 FAUCET HOLES WITH #LKDA2438BH FAUCET WITH WRIST BLADES, SUPPLIES, STOP VALVES, THERMOSTATIC MIXING VALVE AND P-TRAP AND DRAIN. PROVIDE INSULATION KIT BY TRUBRO LAV GUARD.
- P-5 SINK & FAUCET: SUPPLIED BY EQUIPMENT CONTRACTOR, FINAL CONNECTIONS BY PLUMBING CONTRACTOR. SEE ARCHITECTURAL DRAWINGS. PLUMBING CONTRACTOR TO PROVIDE SUPPLIES, STOP VALVES P-TRAP AND THERMOSTATIC MIXING VALVE. INSULATE TRAP, SUPPLIES AND ANGLE STOPS WITH INSULATION KIT BY TRUBRO LAV GUARD.
- P-6 WATER COOLER: ELKAY #EZSTL8WSSK "EZH2O" BOTTLE FILLING STATION WITH BI-LEVEL EZ COOLER, 8 GPH, 115V/1Ø, 370w. MOUNT FIXTURE TO MEET ADA REQUIREMENTS.
- SHOWER: AQUATIC BATH #1363BFSC WITH PRE-LEVELED BASE, GELCOAT SURFACE, NO THRESHOLD, SMOOTH WALL, CENTER DRAIN, GRAB BARS, FOLD-UP SEAT, HAND-HELD SHOWER ASSEMBLY WITH SLIDE BAR, PRESSURE BALANCING MIXING VALVE, SOAP DISH, CURTAIN ROD AND SHOWER CURTAIN. COLOR AS SELECTED BY ARCHITECT.
- P-7A
  SHOWER: AQUATIC BATH #1363BFSC WITH PRE-LEVELED BASE, GELCOAT SURFACE, NO THRESHOLD, SMOOTH WALL, CENTER DRAIN, GRAB BARS, FOLD-UP SEAT, HAND-HELD SHOWER ASSEMBLY WITH SLIDE BAR, PRESSURE BALANCING MIXING VALVE, SOAP DISH, CURTAIN ROD AND SHOWER CURTAIN. COLOR AS SELECTED BY ARCHITECT. MOUNT PER ADA REQUIREMENTS.
- <u>P-8</u> MOP SINK: FIAT #MSB2424 24x24 WITH RIM GUARD, #830-AA FAUCET AND #832-AA HOSE AND HOSE BRACKET, SUPPLIES, STOP VALVES, P-TRAP AND GRID DRAIN.
- P-9 SINK AND FAUCET: SUPPLIED BY EQUIPMENT CONTRACTOR, FINAL CONNECTIONS BY PLUMBING CONTRACTOR. SEE ARCHITECTURAL DRAWINGS. PLUMBING CONTRACTOR TO PROVIDE SUPPLIES, STOP VALVES, THERMOSTATIC MIXING VALVE, PLASTER TRAP AND ALL PIPING AND FITTINGS REQUIRED TO MAKE CONNECTION. INSULATE TRAP, SUPPLIES AND ANGLE STOPS WITH INSULATION KIT BY TRUBRO LAV GUARD.
- P-10 INDIRECT WASTE DRAIN: JR SMITH FIGURE 3510, CAST IRON BODY AND FLASHING COLLAR WITH ADJUSTABLE STRAINER HEAD, OVAL FUNNEL, VANDAL PROOF GRATE, DEEP SEAL TRAP AND TRAP PRIMER CONNECTION. SIZE PER PLAN.
- P-11 SERVICE SINK: AMERICAN STANDARD #7692.000 WITH DRILLED BACK AND RIM GUARD AND #8350.235 FAUCET WITH VACUUM BREAKER, SUPPLIES, STOP VALVES, 3" P-TRAP STANDARD, AND GRID DRAIN.
- CP-1 HOT WATER RECIRCULATION PUMP: BELL AND GOSSETT MODEL LR-15BWR; LEAD-FREE ALL BRONZE CIRCULATING PUMP, 6 GPM @ 11 FT OF HEAD, 125w AT 115V, 2950 RPM. PROVIDE WITH TIMER AND AQUASTAT WIRED IN SERIES FOR PUMP CONTROL.
- WH-1 WATER HEATER: AO SMITH #BTH-300 CYCLONE XI GAS-FIRED WATER HEATER, ASME, 130 GALLON STORAGE CAPACITY, 388 GPH RECOVERY AT 90°F RISE, 120/1Ø, 300 MBH INPUT. FURNISH & INSTALL DRIP PAN.
- ET-1 EXPANSION TANK: AMTROL MODEL ST-12, 4.4 GALLON TANK, 3 GALLON ACCEPTANCE. DOUBLE DIAPHRAGM CONSTRUCTION, INTEGRAL DIELECTRIC FITTINGS AND 5 YEAR WARRANTY. SUPPORT FROM CONSTRUCTION ABOVE. NOT FROM PIPING.
- WASHING MACHINE: SUPPLIED BY EQUIPMENT CONTRACTOR.PLUMBING CONTRACTOR TO PROVIDE WASHING MACHINE OUTLET BOX: SIOUX CHIEF 696 SERIES DOUBLE CONNECTION OUTLET BOX WITH DRAIN BOX AND VALVES WITH WATER HAMMER ARRESTORS. PLUMBING CONTRACTOR TO PROVIDE SUPPLIES, STOP VALVES AND ALL PIPING AND FITTINGS REQUIRED TO MAKE CONNECTION TO WASHING MACHINE.
- DW DISH WASHER: SUPPLIED BY EQUIPMENT CONTRACTOR, FINAL CONNECTIONS BY PLUMBING CONTRACTOR. SEE ARCHITECTURAL DRAWINGS. PLUMBING CONTRACTOR TO PROVIDE PIPING AND ALL ACCESSORIES REQUIRED TO MAKE CONNECTIONS.
- STOVE: SUPPLIED BY EQUIPMENT CONTRACTOR, FINAL CONNECTIONS BY PLUMBING CONTRACTOR. SEE ARCHITECTURAL DRAWINGS. PLUMBING CONTRACTOR TO PROVIDE PIPING, VALVES AND ALL ACCESSORIES REQUIRED TO MAKE CONNECTIONS.
- FLOOR DRAIN: JR SMITH FIGURE 2005 5" SQUARE TOP, FLASHING COLLAR, CAST IRON BODY, ADJUSTABLE STRAINER, TRAP PRIMER CONNECTION AND DEEP SEAL TRAP. SIZE PER PLAN.
- ROOF DRAIN: JR SMITH #1015 CAST IRON ROOF DRAIN WITH ADJUSTABLE EXTENSION. PROVIDE WITH UNDERDECK CLAMP, SUMP RECEIVER AND CAST IRON DOME.
- OVERFLOW ROOF DRAIN: JR SMITH #1070, CAST IRON OVERFLOW ROOF DRAIN WITH ADJUSTABLE UNDERDECK CLAMP, SUMP RECEIVER, CAST IRON STANDPIPE AND CAST IRON DOME.
- HOSE BIBB: JR SMITH #5609QT, WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, 3/4" HOSE CONNECTION, SUPPLY WITH ONE (1) EXTRA T-HANDLE. SPECIFY LENGTH OF THRU WALL SUPPLY WHEN ORDERING.
- FROST PROOF WALL HYDRANT: JR SMITH #5509QT, NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, BRONZE BOX WITH POLISHED BRONZE FACE, 3/4" HOSE CONNECTION, SUPPLY WITH ONE (1) EXTRA T-HANDLE. SPECIFY LENGTH OF THRU-WALL SUPPLY WHEN ORDERING.
- CODP CLEAN OUT DECK PLATE: JR SMITH FIGURE 4023S 5 3/4" DIA, MEDIUM-DUTY CAST IRON CLEANOUT WITH ROUND ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP. TAPER THREAD, BRONZE PLUG. SIZE PER PLAN.
- COWP CLEAN OUT DECK PLATE: JR SMITH FIGURE 4422C, WALL CLEANOUT WITH ACCESS COVER, TAPER THREAD, BRONZE PLUG. SIZE PER PLAN.
- COG CLEAN OUT GRADE: JR SMITH FIGURE 4233L, EXTRA HEAVY DUTY CAST IRON CLEANOUT. FULL SIZE OF PIPING.

CLEAN OUT: JR SMITH FIGURE 4233L, EXTRAL HEAVY DUTY CAST IRON CLEANOUT. FULL SIZE OF

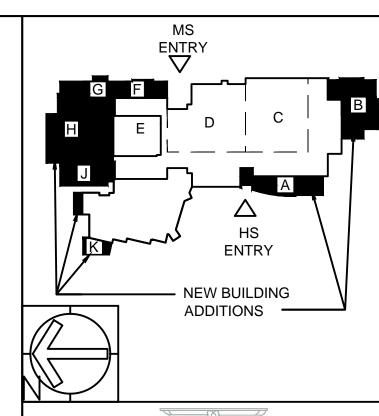
PIPING.

WHA

WATER HAMMER ARRESTER: SIOUX CHIEF HYDRA-RESTER OR APPROVED EQUAL. SIZE PER

MANUFACTURER'S REQUIREMENTS.

TRAP PRIMER: PRECISION PLUMBING PRODUCTS MODEL PR-500 OR APPROVED EQUAL.



di cara rubino
architects

30 galesi drive
wayne, nj 07470

MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS

tel 973.256.0202 [] fax 973.256.0227

GERMANO RUBINO, AIA

GERMANO RUBINO, AIA NJ # AI 08084 JOSEPH DI CARA, AIA NJ # AI 08265

NOT VALID FOR BUILDING UNLESS SIGNED AND SEALED BY ARCHITECT

X
Board President of Schools,

X
Superintendent of Schools.



1800 Route 34, Suite 101 • Wall, NJ • 07719 • 732 312-9800

KEVIN DWYER, PE
PROFESSIONAL ENGINEER, NJ LIC. No. 35254

BUILDING ADDITION AND INTERIOR RENOVATIONS AT:
SECAUCUS
MIDDLE HIGH
SCHOOL

11 MILL RIDGE ROAD

SECAUCUS BOARD OF EDUCATION

SECAUCUS, NJ 07094

PLUMBING
SYMBOLS, NOTES &
ABBREVIATIONS

| REV. | DATE:   | DRN   | СНК    |                     |
|------|---------|-------|--------|---------------------|
|      | 9/2/14  | LDW   | KLD    | PROGRESS SET FOR CM |
|      | 9/22/14 | LDW   | KLD    | 80% CODE REVIEW     |
|      | 11/5/14 | LDW   | KLD    | CODE REVIEW         |
|      | 1/5/15  | LDW   | KLD    | BID SET             |
|      |         |       |        |                     |
|      |         |       |        |                     |
|      |         |       |        |                     |
|      |         |       |        |                     |
|      |         |       |        |                     |
|      | CTAT    | TE DD | ) IEOT | NO                  |

STATE PROJECT NO. 4730-050-13-1000

PROJECT NO.

P1.

SHEET NO.