ON SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HIS SUBCONTRACTORS. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE. WHEN IN THE OPINION OF THE CONTRACTOR A DISCREPANCY EXISTS, HE SHALL PROMPTLY REPORT IT IN WRITING TO THE ARCHITECT FOR PROPER ADJUSTMENT BEFORE PROCEEDING WITH THE WORK

DRAWINGS AND SPECIFICATIONS COORDINATION: THE CONTRACTORS SHALL COMPARE AND COORDINATE ALL DRAWINGS AND SPECIFICATIONS. WHEN IN THE OPINION OF THE CONTRACTOR A DISCREPANCY EXISTS, HE SHALL PROMPTLY REPORT IT TO THE ARCHITECT FOR PROPER ADJUSTMENT BEFORE PROCEEDING WITH THE WORK.

<u>OMISSIONS:</u>

IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS, THE CONTRACTOR MUST OBTAIN PROPER CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURES, AND FOR SAFETY IN CONFORMANCE

#### GENERAL CONDITONS:

THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, STANDARD FORM OF THE AMERICAN INSTITUTE OF ARCHITECTS, CURRENT EDITION, SHALL APPLY TO ALL WORK IN THIS CONTRACT, EXCEPT AS SPECIFICALLY MODIFIED BELOW AND/OR BY THE AGREEMENT.

#### GENERAL NOTES:

ALL WORK FOR THIS PROJECT SHALL COMPLY WITH THE NATIONAL BOARD OF FIRE UNDERWRITERS, THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), AMERICANS WITH DISABILITIES ACT, AND WITH THE BUILDING CODE AND

APPLICABLE LOCAL LAWS. ALL MICHELS & WALDRON, AND CONSULTANT DRAWINGS AND ALL CONSTRUCTION NOTES ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY EITHER WILL BE BINDING AS IF CALLED FOR BY ALL. ANY WORK SHOWN OR REFERRED TO ON ANY ONE SET OF DRAWINGS SHALL BE PROVIDED AS THOUGH SHOWN ON ALL RELATED DRAWINGS.

ALL WORK LISTED IN THESE CONSTRUCTION NOTES AND SHOWN OR IMPLIED ON ALL DRAWINGS SHALL BE COORDINATED BY THE CONTRACTOR, SUPPLIED AND INSTALLED BY THE SELECTED SUBCONTRACTOR. THE CONTRACTOR SHALL CLOSELY COORDINATE ALL WORK TO ASSURE THAT ALL SCHEDULES ARE MET.

ALL CONTRACTORS SHALL NOTIFY MICHELS & WALDRON IMMEDIATELY IF THEY CANNOT COMPLY WITH ALL NOTES CALLED FOR ON THESE PAGES AND ON ALL OTHER MICHELS & WALDRON DRAWINGS OR DOCUMENTS. THE CONTRACTOR SHALL NOTIFY MICHELS & WALDRON OF ANY DISCREPANCIES BETWEEN THE DRAWINGS, THESE NOTES, AND FIELD CONDITIONS, BEFORE SUBMITTING A PROPOSAL, AND REQUEST CLARIFICATION. BEFORE SUBMITTING A PROPOSAL, ALL CONTRACTORS SHALL VISIT THE SITE,

FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF WORK. THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIAL OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE, WILL NOT BE

ALL CONTRACTORS SHALL CONTACT THE CONSTRUCTION MANAGER TO DETERMINE THE BUILDING REQUIREMENTS FOR CONSTRUCTION, WHICH WILL INDICATE WHEN AND HOW DELIVERIES CAN BE MADE (SEE BELOW), WHAT PHASES OF CONSTRUCTION CAN BE DONE ON REGULAR OR OVERTIME, INSURANCE REQUIREMENTS AND IN GENERAL, ANY SPECIAL BUILDING REQUIREMENTS WHICH WILL AFFECT THEIR WORK. IF ADDITIONAL OVERTIME WORK IS REQUIRED BY ANY TRADE, APPROVAL MUST BE OBTAINED PRIOR TO THE EXECUTION OF ANY WORK, INCLUDING COST.

EACH CONTRACTOR SHALL MAKE ALL REQUIRED ARRANGEMENTS FOR DELIVER' OF EQUIPMENT AND/OR MATERIALS. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO CHECK THE BUILDING REQUIREMENTS GOVERNING WORK ON THE PREMISES, INCLUDING THE FOLLOWING:

1. DATE AND TIME OF DELIVERY SHALL BE ESTABLISHED IN CONJUNCTION WITH THE PERSONS HAVING JURISDICTION OVER PREMISES (OVERTIME CHARGES AND/OR ANY NECESSARY EXPENSES SHALL BE PAID BY CONTRACTOR REQUIRING THIS SERVICE). 2. BUILDING CONDITIONS, INCLUDING SIZE AND LOADING CAPACITY OF ELEVATORS, SIZE OF DOORWAYS, CORRIDORS, WINDOW OPENINGS, ETC. SHALL BE CHECKED FOR ITEMS BEING DELIVERED BY THE

CONTRACTOR REQUESTING DELIVERY. 3. ALL CHARGES INVOLVING THE INSTALLATION AND/OR OPERATION OF A HOIST SYSTEM IF REQUIRED, SHALL BE BORNE BY THE CONTRACTOR USING THE SYSTEM. CHARGES INVOLVING THE TEMPORARY REMOVAL AND REINSTALLATION OR WINDOW SASH AND/OR FIXED PANELS REQUIRED FOR DELIVERY SHALL BE BORNE

BY THE CONTRACTOR REQUESTING SUCH REMOVAL. PRIOR TO BEGINNING ANY WORK. THE CONTRACTOR SHALL FURNISH A CONSTRUCTION SCHEDULE SHOWING THE CHRONOLOGICAL PHASES OF WORK, AND ALL RELATED WORK FOR THE COMPLETION OF THE PROJECT. THIS SCHEDULE SHALL INDICATE ALL ORDERING LEAD-TIME, LENGTH OF TIME FOR EACH PHASE, ITS START AND COMPLETION, WITH A PROJECTED COMPLETION

THE CONTRACTOR SHALL FURNISH FIELD PROGRESS REPORTS TO THE CONSTRUCTION MANAGER FOR ALL PHASES OF CONSTRUCTION. THE CONTRACTOR, THE SUB-CONTRACTOR, AND ANY OTHER CONTRACTOR INVOLVED IN THIS PROJECT SHALL TAKE NOTE THAT ANY COST CAUSED BY DEFECTIVE OR ILL-TIMED WORK, AS A RESULT OF, BUT NOT LIMITED TO INFERIOR WORKMANSHIP OR MATERIALS, IMPROPER SCHEDULING OR DELINQUENT ORDERING SHALL BE BORNE BY THE PARTY RESPONSIBLE. ADDITIONAL CHARGES SHALL INCLUDE BUT NOT BE LIMITED TO; FREIGHT ELEVATOR CHARGES, FREIGHT COSTS, HANDLING AND STORAGE OF FURNITURE AND OR WORKSTATIONS, AND ANY OTHER CHARGES WHICH ARE LABOR ORIENTED

THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS, FROM ALL SUB-CONTRACTOR'S EMPLOYEES, INCLUDING THAT RUBBISH WHICH IS FROM NON-CONTRACT WORK SUCH AS FURNITURE, DATA AND TELEPHONE COMPANY

INCLUDING OVERTIME.

THE USE OF THE WORDS "PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED, IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED AND CONNECTED WHERE SO

WHERE THE TERMS "APPROVED EQUAL", "OTHER APPROVED", "EQUAL TO", "ACCEPTABLE" OR OTHER GENERAL TERMS ARE USED IN THESE NOTES. IT SHALL BE UNDERSTOOD THAT REFERENCE IS MADE TO THE RULING AND JUDGEMENT OF MICHELS & WALDRON. FOR EACH PROPOSED SUBSTITUTION, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND/OR FULL SIZE SAMPLES FOR

THE CONTRACTOR SHALL PROVIDE CUTS OF ALL FIXTURES AND EQUIPMENT CALLED FOR ON MICHELS & WALDRON DRAWINGS, I.E. LIGHT FIXTURES,

THE CONTRACTOR SHALL PROVIDE ALL FABRICATION SHOP DRAWINGS AND FIXTURE CUTS TO MICHELS & WALDRON FOR APPROVAL. ALL SHOP DRAWINGS AND CUTS SIGNED "APPROVED" SHALL SUPERSEDE ORIGINATING DRAWINGS IN DESIGN APPEARANCE ONLY. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ERRORS IN THEIR DRAWINGS. MICHELS & WALDRON APPROVAL OF SHOP DRAWINGS AND/OR CUTS SHALL BE FOR CONFORMANCE TO THE CONTRACT DOCUMENTS, ONLY, AND SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR FIT AND FINISH, COORDINATION OF RELATED WORK BY OTHER SUB-CONTRACTORS, FIELD MEASUREMENTS, OR FIELD CONDITIONS. ALL LUMBER TO BE PERMANENTLY INSTALLED AS PART OF THE PROJECT SHALL BE FIREPROOFED AND COMPLY WITH ALL APPLICABLE CODES.

THE CONTRACTOR SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING TO PREVENT ANY DIRT. DEBRIS OR DUST FROM LEAVING THE JOB SITE. JOB SITE SHALL BE KEPT BROOM CLEAN AT ALL TIMES DURING THE PROJECT. CONSTRUCTION DEBRIS, EQUIPMENT AND SUPPLIES SHALL BE STORED IN SUCH A WAY AS TO NOT IMPEDE THE PROGRESS OF THE PROJECT, OR CREATE A POTENTIAL FIRE HAZARD.

THE CONTRACTOR SHALL PROPERLY PROTECT THE BUILDING MANAGEMENT'S AND ANY ADJOINING PROPERTY FOR WORK AND ANY DAMAGE TO SAME CAUSED BY HIS WORK OR WORKMEN MUST BE MADE GOOD WITHOUT DELAY. THE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY TO THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOU THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF

CONSTRUCTION DRAWINGS ON SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES. THE CONTRACTOR, UPON ACCEPTANCE OF THE DRAWINGS, ASSUMES RESPONSIBILITY FOR THE CONSTRUCTION, MATERIALS AND WORKMANSHIP OF THE WORK DESCRIBED IN THESE NOTES AND DRAWINGS, AND THEY WILL BE EXPECTED TO COMPLY WITH THE SPIRIT, AS WELL AS THE LETTER IN WHICH

THEY WERE WRITTEN. THE CONTRACTORS AND TENANT'S CONTRACTORS SHALL SUBMIT CERTIFICATES TO THE CONSTRUCTION MANAGER UPON COMPLETION OF WORK, INCLUDING BUT NOT LIMITED TO THE FOLLOWING

1. FIREPROOF WOOD TEST REPORT (IF REQUIRED). 2. ELECTRICAL, PLUMBING AND AIR-CONDITIONING CERTIFICATES ISSUED BY THE APPROPRIATE AGENCIES HAVING JURISDICTION.

3. LIEN WAIVERS FROM ALL SUB-CONTRACTORS. ALL REQUIRED EXITS WAY OF APPROACH THERETO AND WAY OF TRAVEL FROM THE EXIT INTO THE STREET SHALL CONTINUOUSLY BE MAINTAINED FREE FROM ALL OBSTRUCTIONS AND IMPEDIMENTS FOR UNOBSTRUCTED EGRESS IN THE

CASE OF FIRE OR OTHER EMERGENCY. DURING THE ENTIRE PERIOD OF CONSTRUCTION, THE TELEPHONE NUMBERS OF THE CLOSEST AVAILABLE PHYSICIANS, HOSPITALS, OR AMBULANCES SHALL BE CONSPICUOUSLY POSTED. A TELEPHONE SHALL BE INSTALLED BY THE CONTRACTOR FOR THESE PURPOSES.

THE CONTRACTOR SHALL REPAIR AND FILL ANY PENETRATIONS THROUGH THE CORE WALLS, FLOOR, PODIUM STRUCTURE OR THE EXTERIOR CURTAIN WALL WITH MATCHING ADJACENT FINISH AND CONSTRUCTION THE CONTRACTOR SHALL PROVIDE AND INSTALL FIRE EXTINGUISHERS AS

REQUIRED BY THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) BY FIRE DEPARTMENT REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PICKING UP THE BUILDING PERMIT AS WELL AS ALL SIGN-OFFS REQUIRED. THE CONTRACTOR SHALL PROVIDE SPACE ON SITE FOR A WEEKLY PROJECT CONFERENCE. THIS CONFERENCE WILL BE ATTENDED BY ANY SUB-CONTRACTORS

REPRESENTATIVE INVOLVED WITH THE PROJECT AT THAT TIME. MINUTES WILL BE TAKEN BY THE CONTRACTORS REPRESENTATIVE WITH THE PREVIOUS WEEKS MINUTES DISTRIBUTED FOR REVIEW AND COMMENT AT THE OPENING OF THE MEETING. SCHEDULE FOR THE MEETING WILL BE ARRANGED PRIOR TO THE BEGINNING OF CONSTRUCTION.

ALL ITEMS SHALL BE AMPLY PROTECTED THROUGHOUT THE PERIOD OF CONSTRUCTION AND SHALL BE THOROUGHLY CLEANED TO THE SATISFACTION OF THE CLIENT PRIOR TO BEING TURNED OVER TO THE TENANT BY THE

THE CONTRACTOR SHALL ARRANGE FOR THOROUGH CLEAN OUT OF ALL DEBRIS AND VACUUM CLEAN BEFORE A FINISH FLOOR IS INSTALLED. THE CONTRACTOR SHALL MAINTAIN ORDERLY HOUSEKEEPING DURING CONSTRUCTION, AND UPON SUBSTANTIAL COMPLETION PERFORM FINAL CLEANUP. FINAL CLEANUP SHALL INCLUDE THE FOLLOWING: SWEEP, DAMP MOP, AND WAX RESILIENT FLOORING. DUST, DIRT, PAINT DRIPPINGS, OIL, GREASE, AND OTHER BLEMISHES SHALL BE REMOVED FROM FINISHED SURFACES, INCLUDING PIPES AND EQUIPMENT. WINDOWS, GLASS UNITS, GLASS DOORS AND MIRRORS SHALL BE WASHED. PAINT OVERRUNS AND PUTTY SMEARS SHALL BE REMOVED. AND HARDWARE SHALL BE RUBBED CLEAN WITH FLANNEL CLOTH.

THE TENANT MAY ORDER EXTRA WORK OR MAKE CHANGES BY ALTERING. ADDING TO OR DEDUCTING FROM THE WORK. THE CONTRACT SUM BEING ADJUSTED ACCORDINGLY

#### TRANSPORTATION:

THE RESPECTIVE SUB CONTRACTOR AGREES TO PAY ALL TRANSPORTATION CHARGES ON ALL HIS MATERIAL OR EQUIPMENT TO THE POINT OF USE AND SHALL BE RESPONSIBLE FOR ALL UNLOADING, CHECKING AND STORING OF SAME IN CONNECTION WITH THIS CONTRACT.

#### INSURANCE:

THE CONTRACTOR AGREES TO INDEMNIFY AND HOLD HARMLESS. THE CLIENT. THE OWNER OF THE BUILDING, MICHELS & WALDRON, THE MANAGING AGENTS AND EMPLOYEES OF ALL THE FOREGOING, AND ANY AND ALL MORTAGAGES. AGAINST ANY AND ALL CLAIMS, SUITS, LOSSES OR EXPENSES BY REASON OR ANY LIABILITY ARISING OUT OF OR IN CONSEQUENCE OF THE PERFORMANCE OF HIS CONTRACT (AND/OR IMPOSED BY LAW UPON ANY AND ALL OF THEM) BECAUSE OF PERSONAL INJURIES, INCLUDING DEATH AT ANY TIME RESULTING THEREFROM, SUSTAINED BY ANY PERSON OR PERSONS AND DAMAGE TO PROPERTY ARE DUE OR CLAIMED TO BE DUE TO NEGLIGENCE OF THE CONTRACTOR. THE OWNER OF THE BUILDING. THE MANAGING AGENTS AND EMPLOYEES OF ALL THE FOREGOING, AND ANY AND ALL MORTGAGES, OR ANY OTHER PERSON OR FOR ANY OTHER REASON. THE CONTRACTOR FURTHER AGREES THAT IT WILL FURNISH SATISFACTORY EVIDENCE OF INSURANCE FROM A REPUTABLE COMPANY OR COMPANIES, INSURING ITS LIABILITY UNDER THIS CONTRACT THE AMOUNTS OF SUCH INSURANCE TO BE AS STATED ABOVE. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ITS OWN EXPENSE UNTIL

#### COMPLETION OF THE WORK, THE FOLLOWING FORMS OF INSURANCE: LIMIT AS REQUIRED BY OWNER

THE CONTRACTOR SHALL FURNISH A CERTIFICATE FROM ITS INSURANCE CARRIER THAT OR CARRIERS TO THE AGENT BEFORE COMMENCING WITH THE WORK, SHOWING IT HAS COMPLIED WITH THE REQUIREMENTS REGARDING INSURANCE AND PROVIDING THAT THE INSURER WILL EXTEND TO THE AGENT AND/OR THE OWNER THIRTY DAYS PRIOR NOTICE OF CANCELLATION. THE ACCEPTANCE BY THE AGENT AND/OR THE OWNER OF INSURANCE FOR THE LIMITS STATED ABOVE SHALL NOT LIMIT THE LIABILITY OF THE CONTRACTOR

#### <u>GENERAL CONDITIONS:</u>

THE SCOPE OF WORK IS BASED ON THE CONSTRUCTION DOCUMENTS AND SHALL INCLUDE THE FURNISHING OF MATERIALS AND LABOR REQUIRED FOR THE COMPLETE PROJECT. COMPLY WITH THE OWNERS CRITERIA DESCRIBED

#### FIRE FIGHTING EQUIPMENT

PROVIDE MULTI-PURPOSE DRY CHEMICAL FIRE EXTINGUISHERS, ABC TYPE OR THE MINIMUM REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

1. UL LISTED EXTINGUISHER. 10 LB CAPACITY. ENAMELED STEEL CYLINDER WITH PRESSURE GAUGE. METAL VALVE AND SIPHON TUBE, REPLACEABLE MOLDED VALVE STEM SEALS, PULL PIN-UPRIGHT SQUEEZE GRIP OPERATION.

THROUGH THE SITE WITH CONSTRUCTION MANAGER TO REVIEW THE OWNER'S CONSTRUCTION REQUIREMENTS. COORDINATE WORK WITH THE CONSTRUCTION MANAGER IN REGARD TO TEMPORARY UTILITIES, ALLOWABLE MATERIAL, TRAFFIC ROUTES, STORAGE OF TOOLS AND MATERIALS, USE OF TOILET FACILITIES, HOURS IN WHICH WORK IS ALLOWED, NOISE AND DUST CONTROL, CLEANUF AND OTHER MATTERS REQUIRING ADHERENCE TO THE BUILDING REQUIREMENTS. REVIEW WITH THE CONSTRUCTION MANAGER THE MANNER IN WHICH ALL CONNECTIONS TO STRUCTURE WILL BE MADE. PENETRATIONS IN THE BUILDING ENVELOPE OR STRUCTURE SHALL BE REVIEWED WITH THE CONSTRUCTION MANAGER AND APPROVED IN WRITING. IF THE CONSTRUCTION MANAGER REQUIRES THAT PORTIONS OF WORK BE PERFORMED BY ITS OWN CONTRACTOR, INCLUDE COSTS ASSOCIATED WITH THAT PORTION OF THE WORK IN BID UNLESS STATED OTHERWISE IN WRITING BY OWNER.

DURING PERFORMANCE OF WORK, THE CONSTRUCTION MANAGER OR CONTRACTOR HE SO DIRECTS, SHALL BE RESPONSIBLE FOR PROVISION AND MAINTENANCE OF WARNING SIGNS, LIGHT SIGNAL DEVICES, GUARD LIGHTS, BARRICADES, GUARD RAILS, FENCES AND OTHER DEVICES, APPROPRIATELY LOCATED ON AND AROUND THE JOB SITE WHICH GIVE PROPER AND UNDERSTANDABLE WARNING TO PERSONS WITH REGARD TO HAZARDOUS CONDITIONS, EQUIPMENT AND OPERATIONS BEING PERFORMED IN CONJUNCTION WITH THE WORK.

EXISTING CONDITIONS MAY BE TAKEN FROM INFORMATION FURNISHED BY THE CONSTRUCTION MANAGER. VERIFY SPACE DIMENSIONS AND IDENTIFY DISCREPANCIES BETWEEN BUILDING ELEMENTS AND DRAWINGS BEFORE COMMENCING CONSTRUCTION. DISCREPANCIES FOUND ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF OWNER NO LATER THAN (5) WORKING DAYS PRIOR TO THE BID DATE. DISCREPANCIES IDENTIFIED DURING BIDDING WILL BE CLARIFIED BY ADDENDUM

DISCREPANCIES IDENTIFIED DURING CONSTRUCTION SHALL BE IMMEDIATEL BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER. DISCREPANCIES IDENTIFIED DURING CONSTRUCTION WILL BE CLARIFIED BY CHANGE ORDERS. CHANGE ORDER APPROVAL IS SUBJECT TO AUTHORIZATION

NONCOMPLIANCE WITH THESE CONTRACT DOCUMENTS. CONTRACTOR WILL NOT

CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS INCURRED FOR

BE ALLOWED CHANGE ORDERS FOR PROBLEMS ARISING FROM NEGLECT OF PROVISIONS INCLUDED IN THESE CONDITIONS ACCOMPLISH THE WORK IN COMPLIANCE WITH THE RESTRICTIONS AND REQUIREMENTS OF THE OWNER. WORK SHALL CONFORM WITH THE AMERICANS WITH DISABILITIES ACT AND APPLICABLE LOCAL AND STATE HANDICAPPED DISABILITY DESIGN REQUIREMENTS. VERIFY THAT THE WORK COMPLIES WITH ALL APPLICABLE LOCAL AND STATE FIRE, SAFETY, HEALTH, ENERGY AND BUILDING CODE REQUIREMENTS.

REMOVE CONSTRUCTION RUBBISH, SCAFFOLDING, EQUIPMENT, TEMPORARY PROTECTION, TEMPORARY FIELD STRUCTURES, AND OTHER MATERIALS OR EQUIPMENT THAT WAS REQUIRED IN CONNECTION WITH THE CONSTRUCTION, BUT NOT A PERMANENT PART THEREOF. SCAFFOLDING SHALL BE BUILT IN ACCORDANCE WITH REQUIREMENTS OF

FEDERAL, STATE, AND LOCAL LAWS. TEMPORARY SHORING REQUIRED FOR THE REMOVAL OF EXISTING WORK FOR THE INSTALLATION OF NEW WORK SHALL BE INCLUDED IN THE CONTRACT. BE RESPONSIBLE FOR THIS WORK, CORRECT AND REPAIR DAMAGES CAUSED BY IMPROPER SUPPORT OR FAILURE OF SHORING.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOB SITE SAFETY AND

MANUFACTURERS OF SPECIFIED ITEMS ARE NOTED FOR QUALITY AND DESIGN SUBSTITUTE PRODUCTS ARE SUBJECT TO APPROVAL BY ARCHITECT. THE CONTRACTOR IS ENCOURAGED TO SUBMIT ALTERNATE PRODUCTS FOR CONSIDERATION IN AN EFFORT TO REDUCE THE CONSTRUCTION COST OR TIME. REASONABLE REQUESTS WILL BE REVIEWED FOR COMPLIANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS. PRODUCTS AND MATERIALS SHALL BE INSTALLED IN STRICT CONFORMANCE

WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. PROVIDE A COPY THE OWNER WILL PROVIDE INSURANCE REQUIREMENTS PRIOR TO THE BIDDING OF ANY SUBCONTRACTS. EVIDENCE OF INSURANCE SHALL BE PROVIDED TO OWNER AT THE TIME OF BID SUBMITTAL.

APPLICABLE STANDARDS OF CONSTRUCTION INDUSTRY HAVE THE SAME FORCE AND EFFECT ON PERFORMANCE OF THE WORK AS IF COPIED DIRECTLY INTO CONTRACT DOCUMENTS OR BOUND AND PUBLISHED THEREWITH. COMPLY WITH STANDARDS IN EFFECT ON THE DATE OF ISSUE OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE INDICATED. UPON COMPLETION OF THE WORK. COMPILE FOR AND DELIVER TO OWNER A COMPLETE SET OF RECORD DOCUMENTS. THIS SET OF DOCUMENTS SHALL

CONSIST OF RECORD SPECIFICATIONS AND RECORD DRAWINGS SHOWING THE REPORTED LOCATION OF THE WORK. WARRANT MATERIALS AND WORKMANSHIP FOR A PERIOD OF (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER.

THE ARCHITECT SHALL REVIEW SHOP DRAWING SUBMISSIONS SOLELY FOR THEIR CONFORMANCE WITH THE DESIGN INTENT AND CONFORMANCE WITH INFORMATION GIVEN IN THE CONSTRUCTION DOCUMENTS. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ASPECTS OF A SHOP DRAWING SUBMISSION THAT AFFECT OR ARE AFFECTED BY THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND OPERATIONS OF THE CONSTRUCTION, SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO. CONTRACTOR SHALL REVIEW SHOP DRAWINGS WITH RESPECT TO THESE CONDITIONS BEFORE SUBMITTING THEM TO

#### SUMMARY OF WORK

THE WORK OF THIS PROJECT INCLUDES CONSTRUCTION WORK SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN. BUT NOT NECESSARILY LIMITED TO GENERAL CONSTRUCTION, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION

. EXECUTE THE WORK DESCRIBED IN THESE SPECIFICATIONS AND SHOWN ON THE DRAWINGS, AND OTHER WORK NECESSARY TO COMPLETE THE PROJECT, IN A THOROUGHLY SUBSTANTIAL AND WORKMANLIKE MANNER, BY PERSONS THOROUGHLY EXPERIENCED IN THEIR PARTICULAR TRADE OR CRAFT. FIELD VERIFY DIMENSIONS OF EXISTING CONDITIONS, IF ANY, THAT AFFECTS

THE WORK. TAKE RESPONSIBILITY FOR THE CORRECTNESS OF MEASUREMENTS AND VERIFY GRADES, LINES, LEVELS, ELEVATIONS, AND DIMENSIONS SHOWN PRIOR TO COMMENCING WORK. CONSULT DRAWINGS AND PLAN WORK SO THAT THE EXCAVATED MATERIAL, DEMOLISHED MATERIAL, NEW BUILDING MATERIALS, ETC. ARE NOT PLACED

WHERE THEY WILL INTERFERE WITH THE WORK OF OTHERS. SHOULD IT APPEAR THAT THE WORK INTENDED TO BE DESCRIBED OR RELATED WORK ARE NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THE DRAWINGS, OR IN THE SPECIFICATIONS, CONSULT THE ARCHITECT FOR NECESSARY CLARIFICATIONS, AND CONFORM TO THOSE CLARIFICATIONS INSOFAR AS THEY ARE CONSISTENT WITH THE ORIGINAL DRAWINGS AND SPECIFICATIONS. IN NO

CASE SHALL WORK PROCEED IN UNCERTAINTY. THOSE PERFORMING WORK AS A SUBCONTRACTOR MUST EXAMINE SUBSTRATES AND CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND NOTIFY THE CONTRACTOR IN WRITING, OF CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK. COMMENCEMENT OF WORK BY A TRADE ON A SURFACE OR CONSTRUCTION SHALL IMPLY ACCEPTANCE OF SUCH SURFACE OR CONSTRUCTION. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED

CERTAIN SCHEDULES OF MATERIAL, DIAGRAMS OF MAINS AND RISERS, AND SIMILAR INFORMATION MAY ACCOMPANY THE DRAWINGS IN ORDER TO ACCOMMODATE THE CONTRACTOR AND SUBCONTRACTORS, AND TO AVOID A CONFUSING AMOUNT OF LETTERING ON THE DRAWINGS. THESE ARE INTENDED TO TO BE USED IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS, BUT ARE NOT TO BE INTERPRETED IN ANY MANNER AS MODIFYING OR RESTRICTING SUCH DRAWINGS OR THE SPECIFICATIONS. SCHEDULES OF MATERIALS OR ROOM FINISHES ARE FURNISHED AS A CONVENIENCE ONLY, AND THERE IS NO GUARANTEE THAT ANY SCHEDULE INCLUDES ALL OF THE WORK OR MATERIALS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS.

# INTERIOR RENOVATION AT EXISTING MOTEL

255 ROUTE 17 SOUTH UPPER SADDLE RIVER, NEW JERSEY

BUILDING DATA	DRAWING LIST
BLOCK: 1301; LOT: 9  ZONE: H-1R  CONSTRUCTION CLASS: 5B  USE GROUP: R-1 (MOTEL)  EXISTING BUILDING (TO BE RENOVATED) AREA: 2,232 SF	DRAWING NO. DRAWING TITLE  T-1 TITLE SHEET AND BUILDING DATA  D-1 DEMOLITION PLAN  A-1 PROPOSED FLOOR PLAN  A-2 PLUMBING INFO.
	BLOCK: 1301; LOT: 9  ZONE: H-1R  CONSTRUCTION CLASS: 5B  USE GROUP: R-1 (MOTEL)

ACCESSIBILITY NOTE

THIS BUILDING IS PART OF A MULTI-BUILDING MOTEL FACILITY WHICH TOTALS 22 SLEEPING UNITS. REQUIRED NUMBER OF ACCESSIBLE SLEEPING UNITS IS ONE (1) AND IS PROVIDED IN OTHER BUILDING.

2021 INTERNATIONAL BUILDING CODE (IBC) — NEW JERSEY EDITION (NJIBC 2021) N.J.U.C.C.— NEW JERSEY UNIFORM CONSTRUCTION CODE REHABILITATION SUBCODE (NJAC 5:23-6) NJUCC, Subchapter 6 ASHRAE 90.1/ 2019/ WITH NJ TECHNICAL AMENDMENTS- TABLE CLIMATE ZONE 5 INTERNATIONAL MECHANICAL CODE/ 2021 WITH NJ TECHNICAL AMENDMENTS INTERNATIONAL FUEL GAS CODE/ 2021 WITH NJ TECHNICAL AMENDMENTS NATIONAL ELECTRICAL CODE (NFPA)/ 2020 WITH NJ TECHNICAL AMENDMENTS NATIONAL STANDARD PLUMBING CODE /2021 W/ NJ TECHNICAL AMENDMENTS ANSI 117.1-2017 W/ NJ TECHNICAL AMENDMENTS

N.J.A.C. 5:23-7 BARRIER FREE SUBCODE

APPLICABLE CODES

INTERIOR RENOVATION OF 8 EXISTING MOTEL UNITS FOR BATHROOM RECONSTRUCTION ONLY. WORK CONTAINED IN THIS APPLICATION IS INTERIOR WORK ONLY AND SHALL NOT INCREASE THE AREA OR HEIGHT OF THE BUILDING, OR CHANGE THE FIRE RATING OF THE STRUCTURAL ELEMENTS OF THE BUILDING.

DESCRIPTION OF WORK

LOCATION MAP



EXISTING SITE PLAN

PROPERTY LINE -PROPOSED WORK AREA

MAIN BUILDING

ISTING H 07458

INTERIOR

REVISIONS

JOB NUMBER

23-032

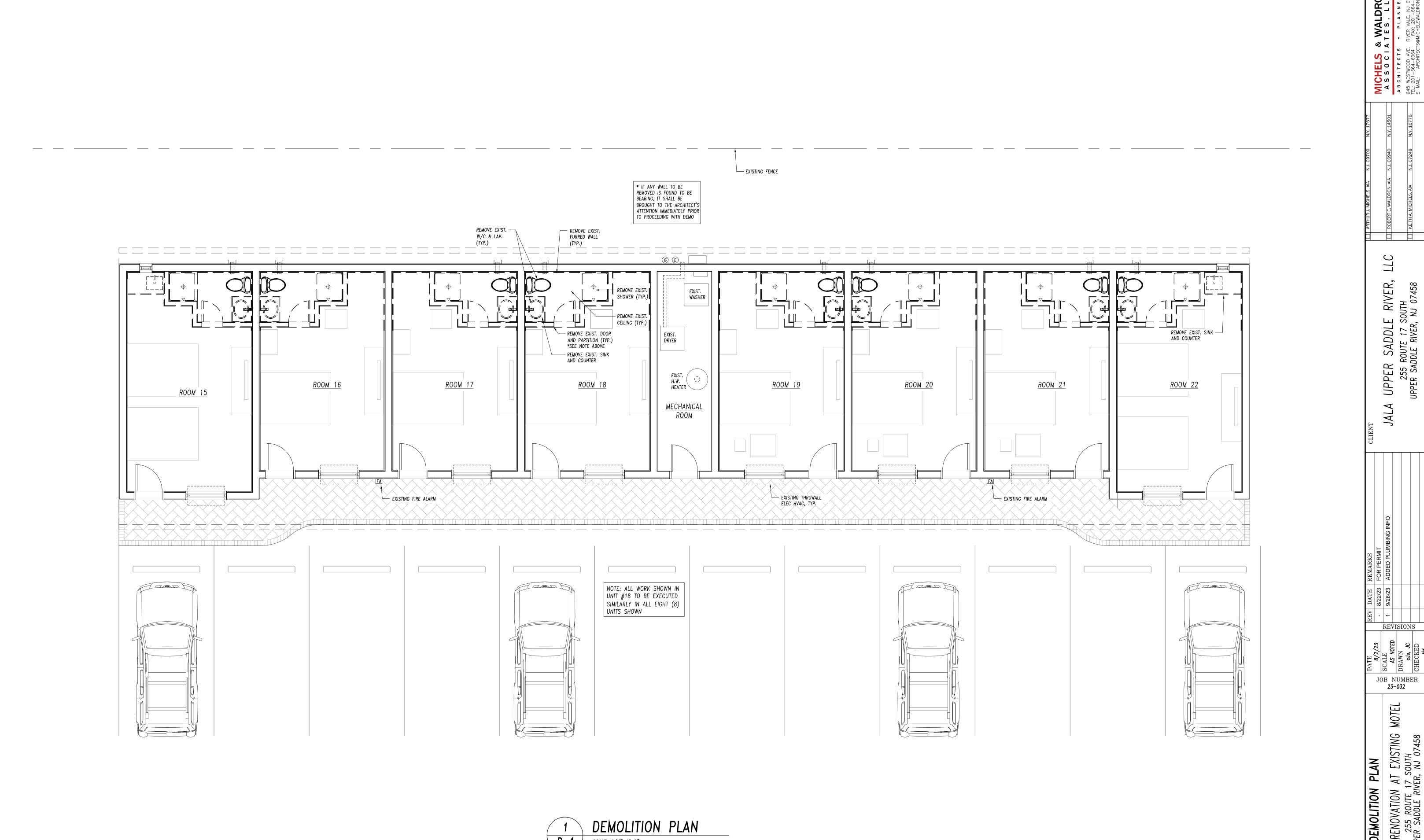
& WALDRON
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GE. RIVER VALE, NJ 076775
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INTERIOR RENOVATION AT EXISTING MOTEL
255 ROUTE 17 SOUTH
UPPER SADDLE RIVER, NJ 07458 DWG. NUMBER

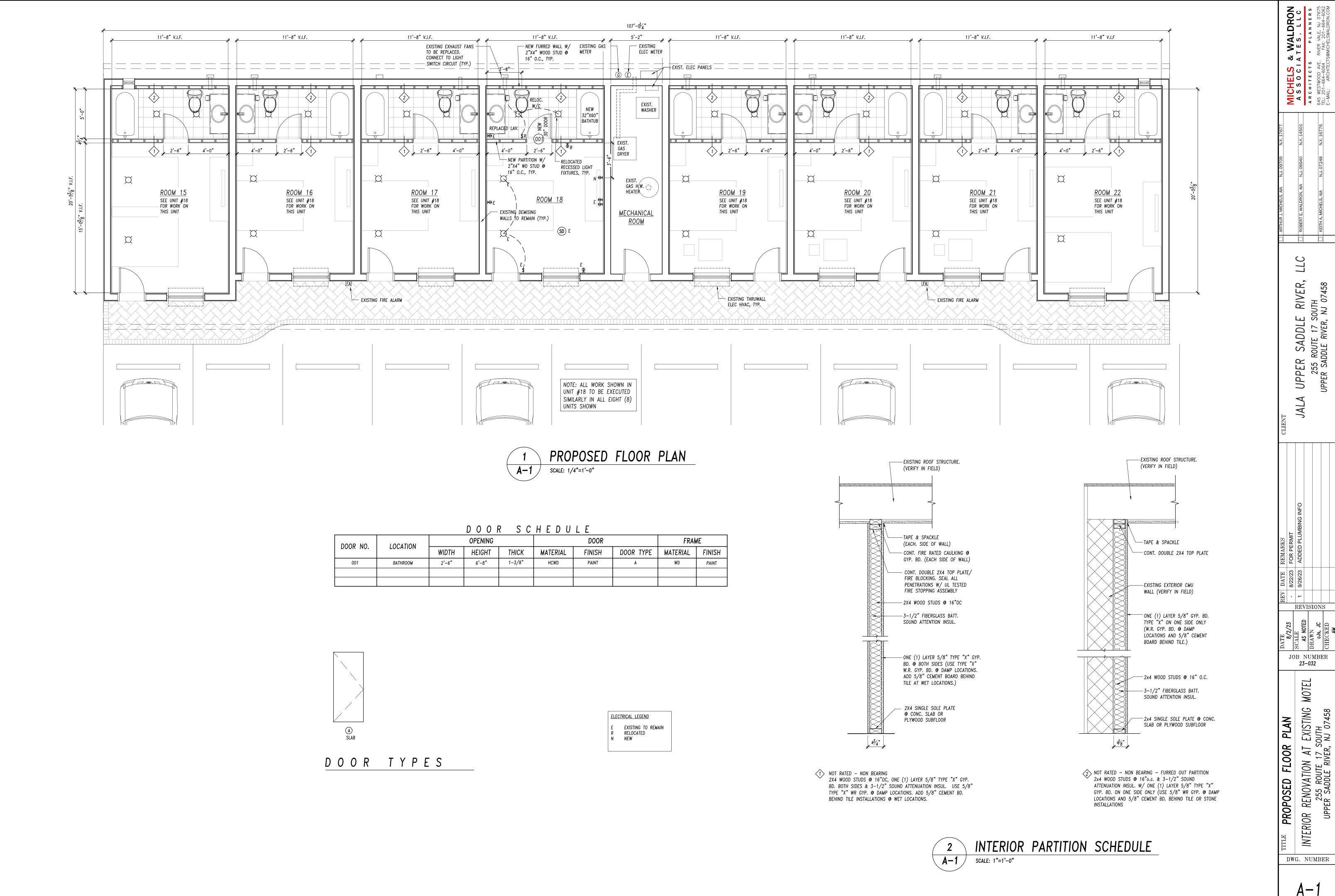
JOB NUMBER 23-032

A UPPER SADDLE RIVER, 255 ROUTE 17 SOUTH UPPER SADDLE RIVER, NJ 07458

JALA

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D-1



#### PLUMBING NOTES AND SPECIFICATIONS 1. CONTRACTOR SHALL PERFORM ALL WORK SO AS TO CONFORM TO LOCAL, STATE AND NATIONAL CODES AND THE REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION. 2. CONTRACTOR SHALL EXAMINE SITE TO DETERMINE THE EXACT CONDITIONS AFFECTING THE PLUMBING WORK. 3. DRAWINGS INDICATE THE GENERAL SCHEME OF THE INSTALLATION AND ARE DIAGRAMMATIC IN SCOPE. THE ENGINEER RESERVES THE RIGHT TO CHANGE THE LOCATION OF PIPING, FIXTURES, ETC. TO A REASONABLE EXTENT AS THE BUILDING CONDITIONS MAY DICTATE, PRIOR TO THEIR INSTALLATION, WITHOUT EXTRA COST TO THE OWNER. THE EXACT LOCATION AND ARRANGEMENT OF ALL EQUIPMENT AND PARTS SHALL BE DETERMINED AS THE WORK PROGRESSES.

- 4. DETAILS OF CONSTRUCTION AND OF WORKMANSHIP WHERE NOT SPECIFICALLY DESCRIBED HEREIN OR INDICATED ON THE DRAWINGS SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE COMPLETE
- SYSTEMS, LEFT IN GOOD WORKING ORDER, READY FOR OPERATION. 5. SCRAP AND DEBRIS, EXCEPT AS OTHERWISE SPECIFIED, SHALL BE REMOVED FROM THE
- SITE AND DISPOSED OF BY THIS CONTRACTOR. 6. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING AND START-UP OF THE SYSTEM.
- 7. ALL WORK SHALL BE DONE WITH A MINIMUM OF DUST AND DIRT. PROVIDE SUFFICIENT FIREPROOF TARPAULINS AND COVER ALL EQUIPMENT IN WORK AREA WITH SAME DURING
- 8. CONTRACTOR SHALL FURNISH SHOP DRAWINGS AND EQUIPMENT CUTS TO ARCHITECT FOR APPROVAL (MINIMUM FIVE (5) COPIES).
- 9. COORDINATE CONNECTIONS TO STREET WITH LOCAL UTILITY COMPANY (S).
- 10. CONTRACTOR SHALL FILE, SECURE AND PAY FOR ALL NECESSARY APPROVALS, PERMITS AND INSPECTIONS.
- 11. ALL WORK SHALL BE GUARANTEED TO BE FREE FROM DEFECT FOR ONE YEAR AFTER ACCEPTANCE OF THE INSTALLATION BY OWNER.
- 12. ALL WORK SHALL BE IN ACCORDANCE WITH THE NEW JERSEY UNIFORM CONSTRUCTION CODE AND THE NATIONAL STANDARD PLUMBING CODE.
- 13. THE PLUMBING SYSTEM SHALL BE TESTED IN ACCORDANCE WITH THE NATIONAL STANDARD PLUMBING CODE. CONTRACTOR TO COORDINATE TESTS WITH LOCAL OFFICIALS.
- 14. WHERE DEVICES REQUIRING ACCESS (VALVES, CLEANOUTS, ETC.) WOULD OTHERWISE BE RENDERED INACCESSIBLE BY BUILDING CONSTRUCTION, PROVIDE FRAMED ACCESS DOOR. ACCESS DOORS FINISHES SHALL BE COORDINATED WITH ARCHITECT. IN GENERAL, ACCESS DOORS SHALL BE PRIMED. PAINTABLE, STEEL WHEN LOCATED IN DRYWALL CONSTRUCTION. ACCESS DOORS IN TOILET ROOM TILE WAINSCOT SHALL BE STAINLESS STEEL. ACCESS DOORS IN EXTERIOR WALLS SHALL BE PROVIDED WITH INSULATED DOORS. ACCESS DOORS IN COLUMN ENCLOSURES OR FIRE RESISTIVE WALLS SHALL BE FIRE RATED IN ACCORDANCE WITH BOCA ARTICLE 401.
- 14. COORDINATE LOCATIONS OF ALL VALVES AND CONNECTIONS TO APPLIANCES WITH EQUIPMENT SUPPLIER.

#### SCOPE OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FURNISHING AND INSTALLATION OF ALL FIXTURES, MATERIALS, PIPING AND COMPONENTS AS REQUIRED FOR A COMPLETE AND OPERATIONALLY FUNCTIONAL SYSTEM. SCOPE OF WORK SHALL INCLUDE BUT NOT BE LIMITED

- 1. CUTTING OF PAVEMENT OR CONCRETE SURFACES AS REQUIRED.
- 2. EXCAVATION AND TRENCHING.
- 3. BEDDING FOR UNDERGROUND PIPING.
- 4. STABILIZATION OF TRENCH BEDS WHERE REQUIRED DUE TO SOIL CONDITIONS.
- 5. INSTALLATION AND TESTING OF UNDERGROUND PIPING.
- 6. BACKFILLING AND COMPACTION.
- 7. INSTALLATION OF UNDERGROUND AND ABOVE GROUND SANITARY DRAIN WASTE AND VENT
- 8. INSTALLATION OF CLEANOUTS IN SANITARY DRAINAGE SYSTEMS.
- 9. INSTALLATION OF FLOOR DRAINS AS INDICATED ON THE DRAWINGS.
- 10. INSTALLATION OF DOMESTIC HOT AND COLD WATER PIPING INCLUDING ANTI-WATER HAMMER SHOCK ABSORBERS, VALVES, STOP VALVES, FLEX-SUPPLIES, DIELECTRIC UNIONS BETWEEN DISSIMILAR PIPING MATERIALS, ETC.
- 11. INSTALLATION OF DOMESTIC WATER HEATERS INCLUDING ASME APPROVED, AGA RATED TEMPERATURE AND PRESSURE RELIEF VALVES, GATE VALVES, UNIONS, RECIRCULATION PUMPS, CHECK VALVES, CONTROLS, ETC.
- 12. INSTALLATION OF BACKFLOW PREVENTORS, PRESSURE REDUCING AND RELIEF VALVES AS INDICATED ON THE DRAWINGS.
- 13. INSTALLATION OF WALL HYDRANTS, HOSE BIBBS AND OTHER DEVICES AS SHOWN ON THE DRAWINGS.
- 14. INSTALLATION OF FIXTURES INCLUDING WALL HANGERS, SUPPORTS, STOP VALVES, FLEX-SUPPLIES, DRAINS, TRAPS, STRAINERS, FAUCETS, SOAP DISPENSERS, ESCUTCHEONS, SEATS AND OTHER DEVICES AS SHOWN ON THE DRAWINGS AND INDICATED IN THE SCHEDULE OF PLUMBING FIXTURES.
- 15. TESTING OF THE PLUMBING SYSTEM INCLUDING AIR OR WATER TEST OF DRAINAGE SYSTEM ROUGHINGS, SMOKE TEST OF FINISHED DRAINAGE SYSTEM AND PRESSURE TEST OF DOMESTIC WATER SYSTEMS.
- 16. DISINFECTION OF THE DOMESTIC WATER SUPPLY SYSTEM.
- 17. PIPING SUPPORT INCLUDING SEISMIC RESTRAINT SWAY BRACING IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE.
- 18. INSTALLATION OF FIBERGLASS INSULATION, FITTING COVERS AND JACKETS ON ALL HOT AND COLD DOMESTIC WATER PIPING.
- 19. CUTTING AND PATCHING AS REQUIRED.
- 20. PERMITS, INSPECTIONS, APPROVALS AND CERTIFICATES, INCLUDING FEES.
- 21. GUARANTEE.

### PLUMBING SYMBOLS DOMESTIC WATER SYSTEMS

$\longleftarrow {\longleftarrow} \longrightarrow$	BALANCING VALVE	<del>\                                    </del>
$\vdash$	CHECK VALVE	SA
$\longleftarrow \longleftarrow$	STOP VALVE (CHROME PLATED)	
$\longleftarrow\!$	GATE VALVE (NORMALLY OPEN)	
$\longleftarrow\!$	GATE VALVE (NORMALLY CLOSED)	र्ने भ
$\vdash \vdash \mid \vdash \vdash$	UNION	₩ <sup>™</sup>
$\longleftarrow$ I $\longrightarrow$	FLANGED CONNECTION	HMTRH
$\biguplus^{\overline{\mathbb{S}}}$	SOLENOID VALVE	
$\leftarrow$	ANGLE VALVE	НСЭН
<b>⊢</b> RR	ASME APPROVED T & P RELIEF VALVE	→ Y
$\stackrel{\sim}{\longmapsto}$	GLOBE VALVE	
$\vdash\!$	THREE-WAY VALVE	<del></del>
<b>∞</b>	PRESSURE GAUGE W/COCK	<b>├</b> ₩Ħ
<u> </u>	THERMOMETER	H/H/
· 早,	TEMPERATURE SWITCH (AQUASTAT)	Hyp
FS	FLOW SWITCH	
PS	PRESSURE SWITCH	$\vdash$

#### SANITARY DRAINAGE

- 1. ABOVE GROUND SANITARY WASTE, VENT AND ROOF DRAIN PIPING SHALL BE SCHEDULE 40 PVC. UNDERGROUND SANITARY AND DRAIN PIPING SHALL BE SCHEDULE
- 2. VERTICAL, NON-COMBUSTIBLE OCCUPYING AN AREA OF MORE THAN ONE SQUARE FOOT, PIPING ARRANGED IN GROUPS OF TWO OR MORE LINES, WHICH PENETRATE TWO OR MORE FLOORS, SHALL BE ENCLOSED IN SHAFT HAVING A FIRE RESISTANCE RATING IN ACCORDANCE WITH BOCA ARTICLE 401 (MINIMUM 1 HOUR).
- 3. SANITARY WASTE, VENT AND ROOF DRAIN PIPING IN SCHEDULE 40 PVC. ALL VERTICAL PVC PIPING, CONNECTING TWO OR MORE STORIES MUST BE ENCLOSED IN SHAFTS HAVING A FIRE RESISTANCE RATING IN ACCORDANCE WITH BOCA ARTICLE 401 (MINIMUM 1 HOUR) PVC PIPING PENETRATIONS THROUGH SHAFT WALLS MUST BE PROTECTED BY A FIRESTOP SYSTEM COMPLYING WITH ASTM E814 OR ASTM E119. FIRESTOP SYSTEM SHALL BE RATED IN ACCORDANCE WITH BOCA ARTICLE 401 FOR THE TYPE OF CONSTRUCTION IN USE. USE OF PVC PIPING WILL NOT BE CONSIDERED UNLESS ALL OF THE ABOVE CONDITIONS ARE
- 4. CLEANOUTS FOR SANITARY DRAINAGE SYSTEMS SHALL BE LOCATED IN ACCORDANCE WITH THE NATIONAL STANDARD PLUMBING CODE.
- RESERVED.
- 6. ALL VENT PENETRATIONS THROUGH BUILDING ROOF SHALL BE MADE WATER-TIGHT BY THE USE OF PROPER FLASHING MATERIALS. SUBMIT FLASHING DETAILS FOR APPROVAL BY THE ARCHITECT.
- 7. VENTS THRU ROOF SHALL NOT BE LESS THAN 3" TO PREVENT FROST CLOSURE. WHERE VENTS SMALLER THAN 3" ARE INDICATED ON THE DRAWINGS, INCREASE TO 3" SIZE AT LEAST 12" BELOW ROOF.
- 8. VENTS SHALL TERMINATE NOT LESS THAN 6" ABOVE ROOF. VENTS SHALL NOT TERMINATE BELOW OR WITHIN 10' HORIZONTALLY OF ANY DOOR, WINDOW, FRESH AIR INTAKE OR OTHER VENTILATION OPENING. WHERE 10' HORIZONTAL CLEARANCE CANNOT BE MAINTAINED, EXTEND VENT TO AT LEAST 2' ABOVE VENTILATION OPENING.
- 9. PVC PIPING, FOR ABOVE GROUND SANITARY DRAINAGE SYSTEMS SHALL BE DWV SCHEDULE 40.
- 10. PVC PIPING AND FITTINGS SHALL BE AS MANUFACTURED BY R&G SLOANE OR ENGINEER APPROVED EQUAL.
- 11. FITTINGS FOR PVC PIPING SHALL BE COMPATIBLE WITH THE PIPING MATERIALS EMPLOYED AND SHALL HAVE NO LEDGES, SHOULDERS OR DIAMETER REDUCTIONS WHICH CAN RETARD OR OBSTRUCT FLOW.
- 12. SOLVENTS AND CEMENTS FOR PVC PIPING SHALL BE MANUFACTURED, APPLIED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

#### DOMESTIC WATER

- 1. DOMESTIC COLD AND HOT WATER PIPING SHALL BE AS FOLLOWS: a. BRANCH LINES (1-1/2" & SMALLER): CPVC TUBING & FITTINGS.
- 2. ALL POTABLE WATER PIPING SHALL BE DISINFECTED AS PER AWWA STANDARD C601-54 AND AS REQUIRED BY THE LOCAL BUILDING AND HEALTH DEPARTMENT CODES.
- 3. ANTI WATER-HAMMER SHOCK ABSORBERS SHALL BE JAY R. SMITH "HYDROTROL" SIZED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- 4. PROVIDE STOP VALVES FOR ALL DOMESTIC WATER CONNECTIONS TO FIXTURES EXCEPT WHERE GATE VALVES ARE INDICATED ON THE DRAWINGS.
- RESERVED.
- RESERVED.
- 7. PROVIDE CHROME PLATED, BRASS ANGLED STOP VALVES FOR ALL WATER CLOSETS, LAVS, SINKS, ETC.
- 8. PROVIDE ASME TEMPERATURES AND PRESSURE RELIEF VALVES FOR ALL DOMESTIC WATER
- 9. DISCHARGE OF ALL RELIEF VALVES SHALL BE PIPED TO THE FLOOR TO PREVENT ACCIDENTAL SCALDING.
- 10. PROVIDE TWO (2) GATE VALVES AND TWO (2) UNIONS AND DRAIN VALVE WITH HOSE THREAD FOR EACH DOMESTIC WATER HEATER.

#### HANGERS AND SUPPORTS

- 1. ALL FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF THE PIPING SYSTEM. SEE "FIXTURES" SECTION OF "NOTES AND SPECIFICATIONS" AND FIXTURE SCHEDULE NOTES.
- 2. MAXIMUM SPACING OF SUPPORTS FOR VERTICAL PIPING SHALL NOT EXCEED:

TYPE OF PIPING	MAXIMUM SPACING
COPPER TUBE	AT 10'-0" INTERVALS
PVC PIPING	AT 4'-0" INTERVALS

PROVIDE RISER CLAMPS, WALL BRACKET HANGER, ETC. AS REQUIRED. HANGERS FOR PVC PIPING SHALL BE AS APPROVED BY THE MANUFACTURER.

- 3. MAXIMUM SPACING OF SUPPORTS FOR HORIZONTAL PIPING SHALL NOT EXCEED: TYPE OF PIPING MAXIMUM SPACING COPPER TUBE (1 1/4" & LESS) AT 6'-0" INTERVALS COPPER TUBE (1 1/2" & LARGER) AT 10'-0" INTERVALS PVC PIPING (1 1/2" & LESS) AT 3'-0" INTERVALS
- PVC PIPING (2" & LARGER) AT 4'-0" INTERVALS 4. ALL RISERS SHALL BE SUPPORTED AT THE BASE.
- 5. PROVIDE CAPABILITY FOR EXPANSION AND CONTRACTION IN ALL PIPING AS INDICATED

BELOW:	
TYPE OF PIPING	TYPE OF PROVISIONS
DRAIN LINES IN UNHEATED AREAS	EXPANSION FITTING @ 125'

- 6. PROVIDE SEISMIC RESTRAINT SWAY BRACING FOR ALL PIPING AS FOLLOWS: A. GAS PIPING 1" AND LARGER WITH HANGERS 12" OR LONGER.
- B. ALL BOILER ROOM AND MECHANICAL ROOM PIPING 1 1/4"
- LARGER WITH HANGERS 12" OR LONGER.
- C. ALL PIPING 2 1/2" AND LONGER WITH HANGERS 12" OR LONGER. LONGITUDINAL SWAY BRACING SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 80'-0" LATERAL SWAY BRACING SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 40'-0".

#### STRAINER

ANTI-WATER HAMMER DEVICE (PDI RATING AS NOTED) BASE MOUNTED PUMP

AUTOMATIC TRAP PRIMER W/BACKFLOW PREVENTION

WATER	METER	W/FLANGED	CONNECTIONS	

	)
LANGED CIRCULATING PUMP W/BRONZE CASING & IMPELLER	)
	` st
HOSE BIBB W/VACUUM BREAKER	
REEZE PROOF WALL HYDRANT W/VACUUM BREAKER	
WATER METER ASSEMBLY W/GATE VALVES & UNIONS	<b>├</b>
LANGED WATER METER ASSEMBLY W/ GATE VALVES	— FÌ €» ·
DOUBLE CHECK VALVE BACKFLOW PREVENTER W/DRIP	├── G
REDUCED PRESSURE ZONE BACKFLOW PREVENTER	

# $\longrightarrow$

VENT PIPING UNDERGROUND STORM DRAIN ABOVE GROUND STORM DRAIN DOMESTIC COLD WATER UNDERGROUND GAS PIPING ABOVE GROUND GAS PIPING PIPE TURNING UP

## UNDERGROUND SANITARY DRAIN

ABOVE GROUND SANITARY DRAIN DOMESTIC HOT WATER SUPPLY (140°F) DOMESTIC HOT WATER RETURN (140°F)

## C. CONDENSATE DRAINS

INSULATION

- 1. THE FOLLOWING PIPING SHALL BE INSULATED:
- A. DOMESTIC COLD WATER
- B. DOMESTIC HOT WATER

ADHESIVE OR APPROVED EQUAL.

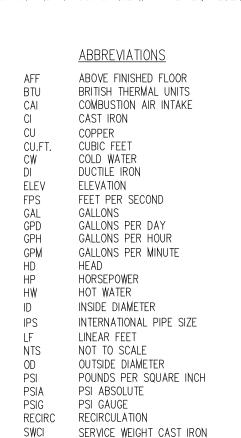
- 2. INSULATION SHALL BE 1" RIGID FIBERGLASS AND SHALL BE MANVILLE "MICRO-LOK" OR APPROVED EQUAL. PROVIDE JACKETS AS SPECIFIED BELOW.
- 3. JACKETS FOR GENERAL PURPOSE, INDOOR USE SHALL BE MANVILLE "AP-T PLUS" PRESSURE SENSILITIVE LAP SEALING SYSTEM OR APPROVED EQUAL.
- 4. JACKETS FOR OUTDOOR USE SHALL BE MANVILLE "ZESTON 2000" PVC WITH "PERMA-WELD"
- 5 VALVES, FLANGES, ELBOWS, TEES, HUBS AND OTHER FITTINGS SHALL BE INSULATED USING MANVILLE "HI-LO TEMP" FIBERGLASS INSERTS WITH MANVILLE "ZESTON 2000" PVC FITTING COVERS SECURED WITH MANVILLE "PERMA-WELD" ADHESIVE.
- 6. ALL INSULATION SYSTEMS, INCLUDING INSULATION, ADHESIVES AND JACKETS SHALL BE CERTIFIED IN ACCORDANCE WITH ASTM#E84 FOR FLAMESPREAD RATING OF 25 OR LESS AND SMOKE DEVELOPED RATING OF 50 OR LESS.
- 7. ALL BUTT JOINTS OF INSULATION SECTIONS SHALL BE SEALED USING BUTT STRIPS AS RECOMMENDED BY THE MANUFACTURER FOR THE JACKET EMPLOYED.

#### FIXTURES

- 1. SEE FIXTURE SCHEDULE FOR FIXTURE TYPES AND CONNECTION SIZES.
- 2. COORDINATE EXACT FIXTURE LOCATIONS FOR ROUGHING WITH THE ARCHITECTURAL DRAWINGS.
- 3. WHERE ARCHITECTURAL DRAWINGS INDICATE TOILET ROOMS TO BE HANDICAPPED ACCESSIBLE OR HANDICAPPED ADAPTABLE COORDINATE FIXTURE CLEARANCE WITH N.J.A.C. 5:23-7, "BARRIER - FREE SUBCODE".
- 4. UNLESS OTHERWISE INDICATED, ALL FIXTURES SHALL BE "WHITE". COORDINATE ALL FIXTURE COLORS WITH THE ARCHITECT.
- 5. PROVIDE POP-UP DRAIN AND OVERFLOW FOR ALL LAYS IN RESIDENTIAL ROOMS.

#### TESTING AND DISINFECTION

- 1. ALL NEW PLUMBING SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH THE NSPC.
- SANITARY DRAINAGE SYSTEMS ROUGHING SHALL BE PRESSURE TESTED AT NOT LESS THAN 5 PSI FOR A PERIOD OF 15 MINUTES. PROVIDE TEST TEES, TEST PLUGS AND COMPRESSOR AS REQUIRED. THE FINAL SANITARY DRAINAGE SYSTEM SHALL BE SMOKE TESTED. WHERE APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION, PEPPERMINT MAY BE USED IN LIEU OF SMOKE TESTS.
- 3. DOMESTIC WATER SYSTEMS SHALL BE HYDROSTATIC TESTED A 150 PSI FOR NOT LESS THAN ONE HOUR.
- 4. ALL NEW DOMESTIC WATER SYSTEMS SHALL BE DISINFECTED USING A WATER CHLORINE SOLUTION AND IN ACCORDANCE WITH THE REQUIREMENTS OF NSPC ARTICLE #10.9.



VAC

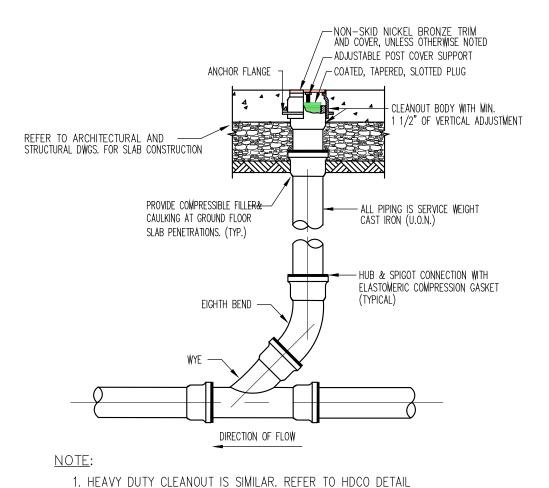
WTR

XHCI

VACUUM

EXTRA HEAVY CAST IRON

WATER



FOR 1. BODY AND COVER DETAILS.

SCALE: NTS

DECK PLATE CLEANOUT DETAIL

PIPE HANGING DETAILS

LOAD BEARING CALCIUM

INSULATION AT ALL

HANGER POINTS

<u>CLEVIS HANGER</u>

ADJ. TWO-ROD ROLLER HANGER

HANGER ROD

· Welded 10 ga. semi-

CYLINDRICAL GALV.

LOAD BEARING CALCIUM SILICATE

INSULATION AT ALL HANGER POINTS

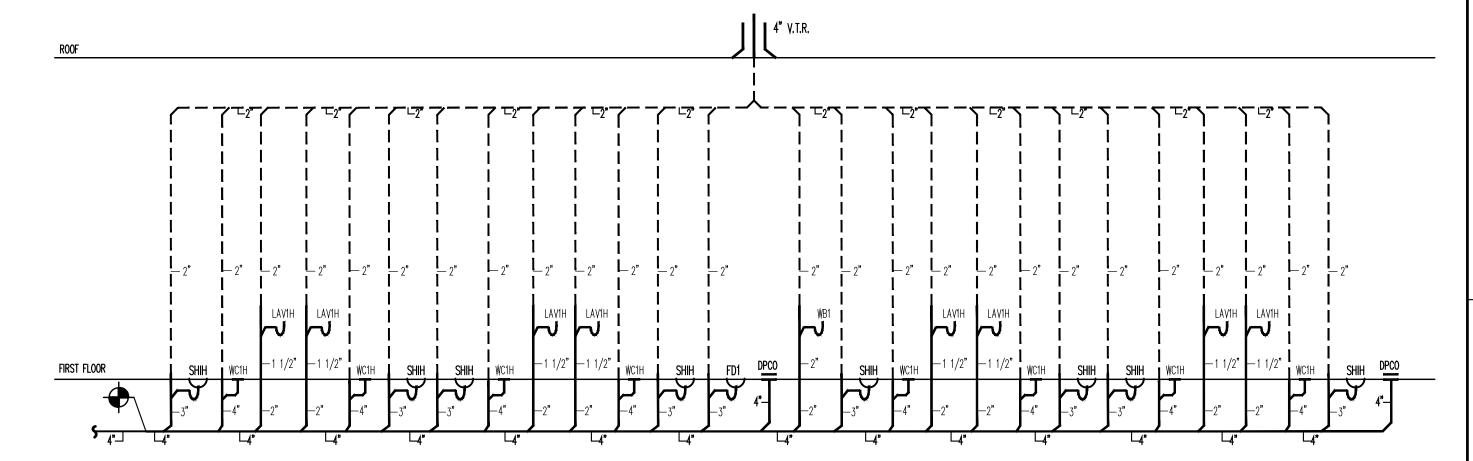
— HANGER RODS

TRAPEZE HANGER

IRON SHIELD

- STEEL ANGLE

SCALE: NTS



WHERE PIPE IS

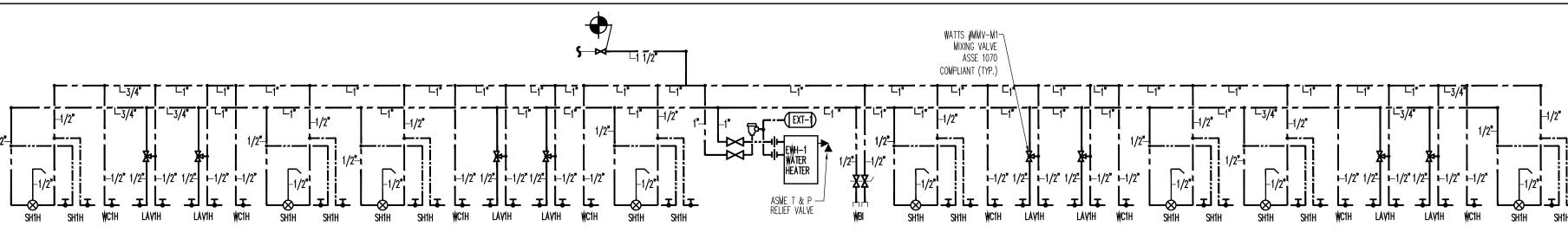
<u>CLEVIS ROLLER</u> <u>HÄNGER</u>

COPPER, USE STEEL-COPPER

A-2

SCALE: NTS

SANITARY RISER DIAGRAM



DOMESTIC WATER RISER DIAGRAM

A-2SCALE: NTS

RENOVATION AT EXISTING 1 255 ROUTE 17 SOUTH PPER SADDLE RIVER, NJ 07458 INFORMATION PLUMBING

REVISIONS

JOB NUMBER

23-032

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HELS s o c I

RIVE

DDL

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UP

DWG. NUMBER

CED PRESSURE ZONE BACKFLOW PREVENTER THERMOSTATIC MIXING VALVE SHOWER HEAD

SHOWER VALVE (ANTI-SCALD PRESSURE BALANCED TYPE)

☐ AD FD 🔟 🕁 <sup>F.D.</sup> FR 🔟 ┰ 

FIRST FLOOR

ACCESS DOOR FLOOR DRAIN W/TRAP FLOOR RECEPTOR W/SPLASH PROOF RIM FUNNEL FLOOR DRAIN

<del>ا</del>ا co

∝— **∪**–

TRENCH DRAIN F.D., F.R., ETC. W/BACKWATER VALVE

TRAP

SANITARY SYSTEMS

VTR O VTR VENT THRU ROOF W/FLASHING & COUNTERFLASHING

DECK PLATE CLEANOUT

HORIZONTAL CLEANOUT

CONNECT TO EXISTING