

June 6, 2024

ADDENDUM NO. 1
PROPOSAL FOR FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, SUPERVISION, PERMITS, ETC. NECESSARY FOR THE NIRC – C06 NOVEL MACAQUE BREEDING RUNS, LOCATED AT THE UNIVERSITY OF LAFAYETTE CAMPUS IN NEW IBERIA, LOUISIANA.

Due Tuesday, June 11, 2024 - 2:00 PM Solicitation No. 24214

The following is to be made part of the original drawings and specifications as though issued at the same time and shall be incorporated integrally therewith. This addendum shall be acknowledged on the BID FORM when submitted to the Purchasing Department prior to the bid due date/time.

Note to all who are receiving this Addendum: *If you have distributed copies of the bid documents associated with this project, whole or in part, to sub-contractors, materials suppliers, and/or others, it is your responsibility to distribute copies of this and other addenda to them. Bidders are required to acknowledge receipt of this and other addenda when applicable on their bid forms. Failure to acknowledge receipt of this, and other addenda when applicable, shall result in disqualification of the Bidder.*

Item No. 1 – Prevailing Wages Information:

Q – Are prevailing wages required?

A -The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Davis-Bacon and Related Acts, including paying workers the applicable prevailing wage rate under the Acts. The decision to award the contract or subcontract is conditioned upon the acceptance of the wage determination. Please find the latest prevailing wage determination issued by the Department of Labor: (issued here, for “Public Building or Works”: <https://sam.gov/wage-determination/LA20220045/2#document>) or (issued here, for “Service Contract: <https://sam.gov/wage-determination/2015-5761/17>)

Item No. 2 – Pre-Bid Sign-In Sheet:

Q – Please provide the Pre-Bid Sign-In Sheet.

A - See Attachment No. 1

Item No. 3 – Bid Bond Form:

Q – Please provide a Bid Bond Form.

A – The contractor must acquire a Performance Bond and Payment Bond from the Bonding Company of their choice

Item No. 4 - Change to the Plans:

Replace complete set of drawings with files marked “24214 Drawings Part A-R1”, and “24214 Drawings Part B-R1”. Complete set totals 40 drawings.

Item No. 5 - Change to the Specifications:

Reference page 4 of 48, section “BUILDING PLANS/DRAWINGS”, Add item 4 to read:
Drawings can be obtained from the following website:

[Solicitation 24214 NIRC – C06 NOVEL MACAQUE BREEDING RUNS | Office of Purchasing \(louisiana.edu\)](#)

Item No. 6 – Medical Requirements:

Q – Please advise if the Medical Requirements for Measles and TB test on page 11 of the solicitation are required.

A - At this time, the requirements for Measles and TB test are required.

Item No. 7 - A0.1 and S4.1:

Q – Design Loads indicated on A0.1 and S4.1 are different – please clarify.

A - As clarification, **minimum** Design Loads shall be as indicated on drawing sheet A0.1

Item No. 8 – A1.1:

Q – Please advise type of hedge to be provided along existing fence line.

A – Contractor's option – provide Emily Bruner Hollies, 4' to 5' tall at 5' o.c. or Needle Point Hollies, 4' to 5' tall at 5' o.c. along existing fence lines as shown on A1.1. Protect root ball from damage. Backfill around root ball with planting mix placed in layers. Contractor to warranty hedge plants for 12 months from the date of Owner's acceptance.

Item No. 9 – A1.1:

As clarification – two fur traps (fur interceptors) are required as indicated on C1.2, C1.3, C1.6 and as specified on P3.1.

Item No. 10 - A2.1:

Q – Please clarify door at Storage A near doors marked B.1 and B.2.

A - Vestibule A and Storage A on the Northeast face of each Breeding Run Building shall be named Vestibule B and Storage B. The pair of doors at Storage B shall be marked B.4. Door B.4 shall be the same size and type as door marked A.4.

Item No. 11 - A2.1:

Q – Finish Schedule calls for Sealed Concrete Floors. Please advise type of concrete sealer to be used.

A – All concrete is to be sealed as per the 09-91-23-2.

Item No. 12a - A2.1:

Q – Please provide manufacturer and model of door latch and bracket to be provided at 3/8" aluminum door in custom frame.

A – Provide surface mounted stainless steel deadbolt 1/2" x 4" bolted to aluminum door with throw secured to concrete wall.

Item No. 12b - A2.1:

As clarification, door latches and brackets as noted at doors A.1 et al, 1a.1 et al, 1b.1 et al, and C.1 et al shall be Sure-Latch by Co-Line complete with locking mechanism, provided and installed by Contractor.

Item No. 13 - A2.5:

Q – Are the chute doors shown on A2.5 provided and installed by the Owner?

A – All chute doors and all cable controls and associated conduit runs for cable controls will be provided and installed by the Owner.

Item No. 14 - A2.5:

As clarification, the portable catch tunnels will be provided and installed by the Owner. All perches will be provided and installed by the Owner.

Item No. 15 - A2.5:

Q – Access Hatch

A – The access hatch is to be an integral part of the ceiling cage and associated ceiling cage framing (fencing materials). This is to be provided and installed by the Contractor.

Item No. 16 – A3.2:

Q – *Cable control for pass through doors to be provided and installed by Owner. Does this include pass through doors at concrete walls AND chain link walls?*

A – All chute doors and all cable controls and associated conduit runs for cable controls will be provided and installed by the Owner.

Item No. 17 - 6A4.1 and 2A4.3:

In order to accommodate PEMB components, delete 6” metal studs at 16” o.c. shown in sections. Replace with 6” or 8” girts provided by PEMB. The girts are to be attached to the PEMB columns at the additional twenty-two (22) connection points Type A called for in Item 25. The metal liner panels shown in these sections are to be attached to these girts. Girts are to be spaced no greater than 48” o.c.

Item No. 18 - 1/A4.2:

Q – *Provide information about the waterproofing compound to be applied to the concrete deck.*

A - A cold-applied solvent free single-component waterproofing compound consisting of a primer coat and then two coats of liquid waterproofing applied by spray or roller - W.R. Meadows Hydralastic 836 or equal as approved by the architect and owner.

Item No. 19 – S2.1:

Q – *Please provide the section cuts as indicated on S2.1*

A - Delete Section Cut Flags shown on S2.1 – refer to S2.2 for applicable section cuts.

Item No. 20 – S2.1:

Q – *Please provide thickness and details of the landings between Column lines B&C at both sides of vestibules.*

A – Landings level with the inside floors at Doors marked A.3 and B.3 to be 4’-8” x 6’-0”. Landings level with the inside floors at Doors marked A.1 and B.1 to be 4’-0” x 14’-0”. All landings to be 4” thick concrete with an 8 x 8 turn down around perimeter. Reinforce with slab with 6 x 6 W4x W4. Reinforce turndown around perimeter with (2) continuous #4’s. Provide 1/2” expansion joint material with sealant where concrete landings but-up to the main building.

Item No. 21 – S2.2:

Q – *Please clarify width A at grade beams.*

A – Grade Beam width at dimension A is to be 2’-0”. The details are not drawn to scale.

Item No. 22 – S2.2:

Q – *Please clarify depth of grade beams.*

A – The 0’-8” datum line is constant. The curb height will vary from 8” at datum line 0’-0” to minus 1-3/4” because of floor slopes. The bottom of all Grade Beams will be constant at datum elevation minus 3’-0”. The depth, or height of the grade beams will vary. The details are not drawn to scale.

Item No. 23 – S2.2:

Q – *Please clarify concrete strength.*

A – As clarification, all foundation and slab concrete is to be 3500 psi minimum. All wall and concrete roof deck concrete is to be 4000 psi.

Item No. 24 – S3.2 / A3.2:

Q – Section AA, BB, DD Wall Heights:

A - Wall Height at Section AA is to be 10' above datum finished floor 0'-0". Wall Height at Section BB is to be 8'-6" above datum finished floor 0'-0", or 7'-10" above datum 0'-8". Wall Height at Section DD is to be 8'-0" above datum finished floor 0'-0", or 7'-4" above datum 0'-8".

Item No. 25 – S3.2:

As clarification, water stops are not required at the top of curb to vertical wall joint.

Item No. 26 – S4.1:

Q – 5/8" and 1/2" anchor bolts are mentioned – please clarify:

A - Anchor bolt size(s) will be as determined and required by the PEMB. This will be confirmed when PEMB load criteria is provided by the PEMB during shop drawing submittals.

Item No. 27 – S4.1:

Add twenty-two (22) additional Connection Points Type A, bearing on each W1 or W2 and centered on W6 with column and base plate as per PEMB. Note that these additional connection points will provide additional support to the rigid frames and will provide support for the girts in Item No. 15 above.

Item No. 28 – P2.1

Replace Sheet P2.1 with the attached Sheet P2.1R. Contractor shall include all work as indicated on the revised sheet.

Item No. 29 – P3.1

Replace Sheet P3.1 with the attached Sheet P3.1R. Contractor shall include all work as indicated on the revised sheet.

Item No. 30 – E1.1, E4.1 and Specs 271400:

Q – Per drawing E 1.1 there is a 2" conduit for fiber intended to be routed to the main building. Which building is considered the main building?

A - Contractor to eliminate requirements presently indicated to provide and install Cat 6A Data Cabling and Fiber Cabling. Rough in/conduits for these systems as specified here: Contractor to provide 2" underground conduit with pull-string from Building 1 Data Rack to approx. 75' outside building footprint (location as indicated on Sheet E1.1-eliminate requirement to extend to main building). Contractor to provide 1 1/2" underground conduit with pull-string between Building 1 and 2 Data Racks as indicated on Sheet E1.1. In addition, contractor to provide inground 24" w x 36"l x 24"d" Quazite communications box at the end of the 2" conduit for future fiber owner tie in. Exact location of inground box to be verified per engineer in field prior to rough in.

Item No. 31 – E3.1:

Q - Is the owner intending to install the data drops and camera drops? There is nothing shown on drawing E 3.1 but the riser reflects (1) data drop.

A - Contractor to provide 5 (five) Cat 6 cable rough in locations (single gang inwall box with 3/4" conduit and pull string to Data IDF) from the following locations **per building**:

- a. One future camera at all 4 building corners mtd at 12'AFF.
- b. One future data drop at 18"AFF adjacent to BMS Controller as noted by Keynote 4 on Sheet E3.1

Item No. 32 - Specs 01 02 01 Basis of Design Narrative:

Q – Please advise if any epoxy finish will be required on concrete.

A – Epoxy finishes on concrete are not required for this project.

Item No. 33 - Specs 01 02 01 Basis of Design Narrative:

As clarification, keycard devices will be provided and installed by Owner. Contractor to provide and install conduit from the access control points to the I.T. switch in the data closet re: Vestibule A. Access controls are required at Doors Mk A.3 and B.3.

Item No. 34 - Specs 01 02 01 Basis of Design Narrative:

As clarification, Contractor's option to provide Type "L" piping and either soldered or ProPress joints and fittings.

Item No. 35 - Specs 03 30 00 – 3.6:

Q – Please clarify the concrete finishing requirements.

A – It's the Contractor's option to use any or all of the concrete finishing methods listed. As clarification, all concrete floors, curbs, and walls will be exposed. See also and coordinate with 09-91-23-2.

Item No. 36 - Specs 05 50 00 - 6:

As a clarification, Steel Ladders are not required for this project.

Item No. 37 - Specs 08 71 10:

Q - Please provide Door Hardware schedule, as the spec states it will be provided by Addendum.

A - Provide the following hardware:

At Each Exterior Door:

(3) 4.5" Ball Bearing Hinges – US32D
36" ADA Compliant Aluminum Threshold
36" Aluminum Rain Guard Sweep with Vinyl Insert
Interchangeable Core Entrance Lever Set – Grade 1 – US26D
CR441 Closer – Aluminum
Interchangeable Core (To be Keyed by Owner)

At Each Pair of Interior Doors:

(6) 4.5" Ball Bearing Hinges – US32D
Interchangeable Core Entrance Lever Set – Grade 1 – US26D
(2) Flush Bolts
Z-Aastragal on Fixed Panel
Interchangeable Core (To be Keyed by Owner)

Item No. 38 - Specs 23 80 00:

Q – Gas Meter and Regulator cost questions

A - Contractor shall provide an allowance of \$12,000.00 for gas utility service. Contractor shall coordinate all requirements with local utility company to provide service to site. Contractor shall credit any cost below allowance back to the Owner. Contractor shall provide proposal from utility once made available.

Item No. 39 - Specs 26 32 13:

As clarification the Contractor is to provide 70kw natural gas gen set (Cummins C70N6 or equivalent MTU unit) in lieu of 60kw unit specified.



Purchasing Office
P.O. Box 40197 • Lafayette, LA 70504-0197
Office: (337) 482-5396
Fax: (337) 482-5059

Item No. 40 - Specs 31 10 00:

Q – Please clarify if excess topsoil is to be hauled off-site or spread on-site.

A – Contractor is to spread excess topsoil on site in area as directed by the Owner.

Attachments:

No. 1 - Pre-Bid Sign-In Sheet

No. 2 – Revised Drawing Sheet P2.1R (24 x 36)

No. 3 – Revised Drawing Sheet P3.1R (24 x 36)

This is a public works bid. The addendum **MUST** be acknowledged with your bid on the BID FORM. For questions related to bidding these projects, please contact the UL Lafayette Purchasing Department at bidquestions@louisiana.edu or 337.482.2955.

Kristi Montet
Director, Procurement and Travel
University of Louisiana at Lafayette
Purchasing Department



Purchasing Office
 P.O. Box 40197 • Lafayette, LA 70504-0197
 Office: (337) 482-5396
 Fax: (337) 482-5059

SOLICITATION FILE NO. 24214/R1623661 **BID DUE DATE/TIME:** Tuesday, June 11, 2024 @ 2:00PM
BID FILE: 24214 **TITLE:** NIRC – CO6 NOVEL MACAQUE BREEDING RUNS
FACILITATED/CONDUCTED BY: Phillip J. Duplechin
DEPARTMENT: Physical Facilities, UL at Lafayette
PRE-BID MEETING HELD: Thursday May 16, 2024, at 9:00 AM/ NIRC – Building 34 Auditorium

THE FOLLOWING INDIVIDUALS WERE IN ATTENDANCE FOR THE PRE-BID MEETING
 (Please write legibly.)

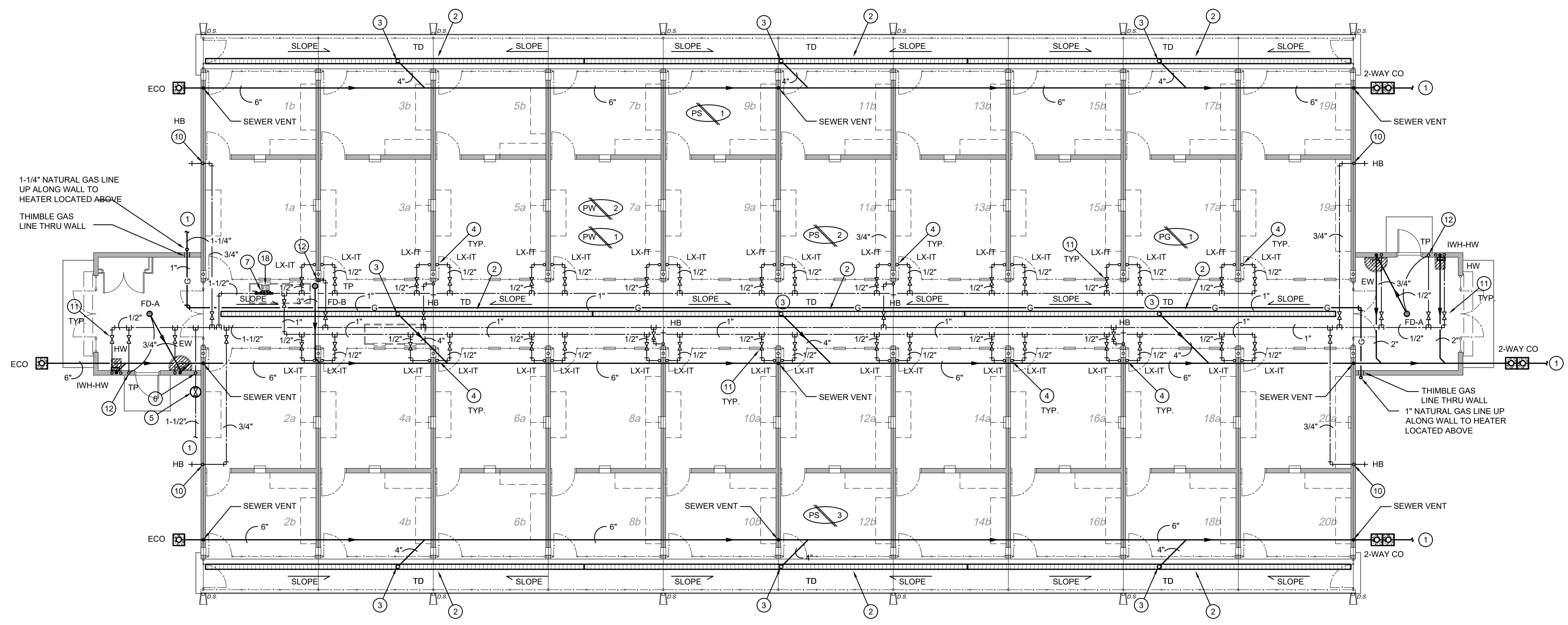
NAME (First & Last)	BUSINESS NAME	EMAIL ADDRESS
1. Phil Duplechin	UL-Lafayette	phillip.duplechin@louisiana.edu
2. Lance Campbell	Kent Design Bld	lcampbell@kentdesignbuild.com
3. Rob McPherson	UL LAFAYETTE	Robert.mcpherson@louisiana.edu
4. Roxanne Formeller	UL LAFAYETTE PURCHASING	bids@louisiana.edu
5. Mary Borel	UL Lafayette Purchasing	purchasing@louisiana.edu
6. Cameron Davis	Chart Construction	estimating@chartcs.com
7. Derek Roca	Hackley Enterprises	derek@hackleyenterprises.com
8. JACK CRAFT	THE LEMOINE CO.	jack.craft@lemoine.com
9. Madeline Guidry	Thomson Brothers Construction	madeline.h@tbconstruct.com
10. Ambrose O'Prey	THOMSON BROTHERS CONST.	AMBROSE@TBCONSTRUCT.COM
11. KNOBBIE LANGLINAKS	D+B ARCHITECTURE	knobbie@dbarch.biz
12. Elizabeth Martinez	D+B ARCHITECTURE	elizabeth@dbarch.biz
13. Jeremiah Butts	Thompson Butts	jeremiah@jbuttsconstruction.com
14. Francois Villinger	NIRC	F3V5939@louisiana.edu
16. _____	_____	_____
17. _____	_____	_____
18. _____	_____	_____

PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VERIFY INVERTS OF ALL EXISTING SANITARY SEWER SERVICES PRIOR TO ANY AND ALL ROUGH-INS. COORDINATE ALL TIE-IN REQUIREMENTS. CONTRACTOR VISIT SITE AND VERIFY THE EXTENT OF WORK REQUIRED TO OWN SATISFACTION, PRIOR TO BIDS.
- CONTRACTOR SHALL TIE INTO DOMESTIC WATER SERVICES AS REQUIRED. VERIFY ALL REQUIREMENTS PRIOR TO BIDS.
- ALL WORK SHALL BE IN ACCORDANCE WITH NH DRM, INTERNATIONAL BUILDING CODE, NFPA REQUIREMENTS, LOUISIANA STATE SANITARY CODE AND APPLICABLE D.E.Q. REGULATIONS. WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
- COORDINATE ALL PIPING WITH DUCTWORK, LIGHTING, STRUCTURE, ETC. THROUGH GENERAL CONTRACTOR. REFER TO ALL DRAWINGS, (STRUCTURAL, PLUMBING, ELECTRICAL, ARCHITECTURAL, ETC.). NOTIFY ARCHITECT/ENGINEER CONCERNING ANY CONFLICTS NOTED PRIOR TO BIDS FOR CLARIFICATION TO THE SATISFACTION OF THE BIDDER. REFER TO SPECIFICATIONS SECTION 15000 FOR REQUIREMENTS. REFER TO LATEST ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE ALL CEILING DEVICE LOCATIONS WITH CEILING GRID.

PLUMBING KEYNOTES

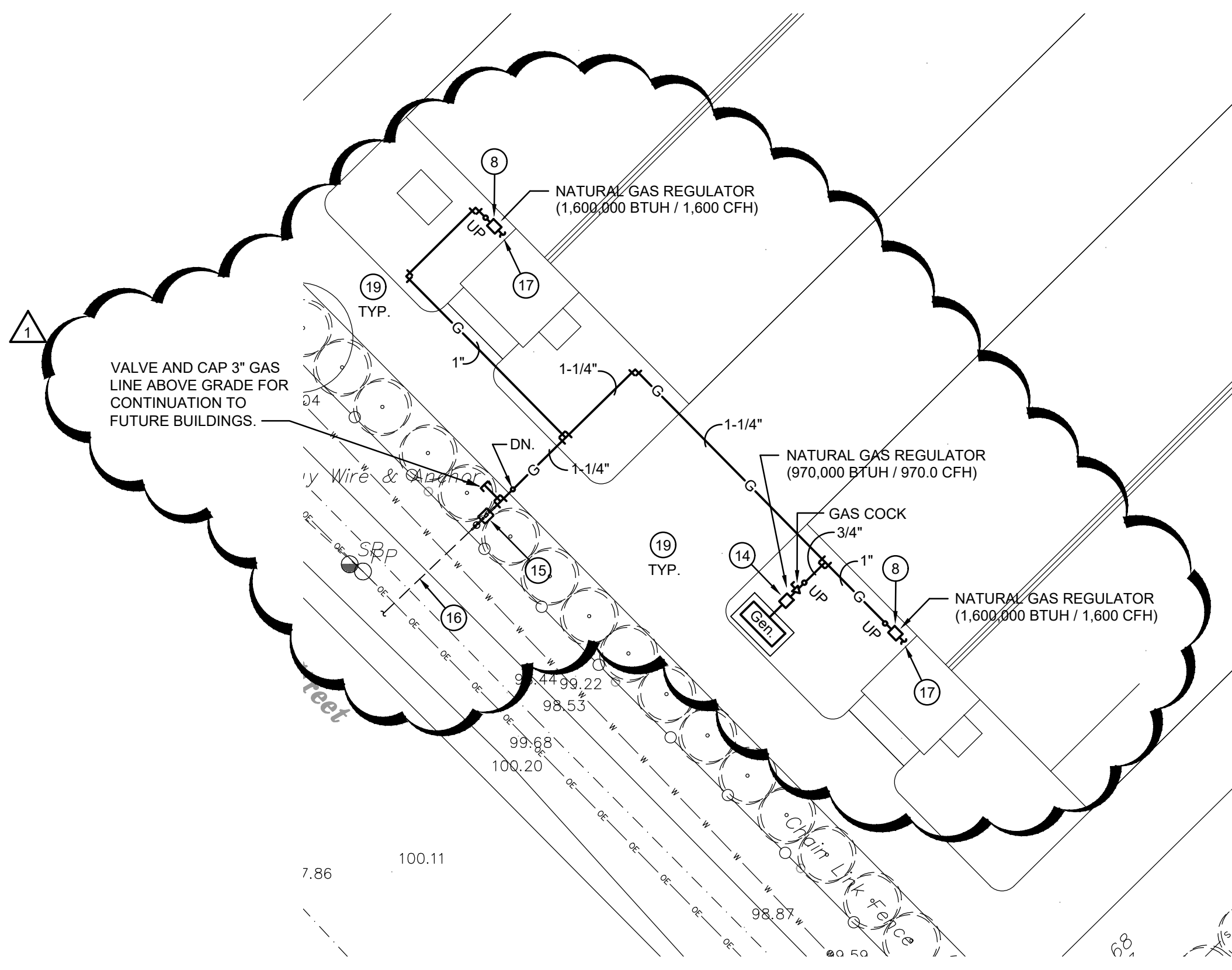
- REFER TO PARTIAL PLUMBING SITE PLAN THIS SHEET FOR CONTINUATION.
- 50 FT. LONG TRENCH SLOPED TO THE CENTER. 4" OUTLET LOCATED IN CENTER OF TRENCH DRAIN.
- 4" DRAIN OUTLET AT LOWEST POINT OF TRENCH DRAIN.
- 1/2" DOMESTIC COLD WATER LINE DOWN IN TOP OF WALL TO LICK-IT. INSULATE COLD WATER DROP AND INSTALL ALUMINUM JACKETING TO PROTECT PIPE INSULATION.
- PROVIDE A CUTOFF VALVE IN A CAST IRON VALVE BOX WITH METAL COVER MARKED "WATER". REFER TO DETAIL.
- RUN 1-1/2" DOMESTIC COLD WATER LINE UP FROM BELOW SLAB. RUN ABOVE CEILING AS SHOWN.
- PROVIDE AND INSTALL A WATTS MODEL LPF009 REDUCED PRESSURE ZONE (RPZ) ASSEMBLY IN THIS VICINITY. A DRAIN LINE SHALL BE EXTEND FROM THE VALVE TO THE FLOOR DRAIN BENEATH AT THE FLOOR LEVEL.
- RISE UP FROM BELOW GRADE IN THIS VICINITY AND PROVIDE AND INSTALL GAS REGULATOR DOWN FROM 5 P.S.I. TO 2 P.S.I.
- PROVIDE AND INSTALL QUICK REACTING GAS REGULATOR DOWN FROM 2 LBS TO 11-14" W.C. IN THIS VICINITY.
- 3/4" WATER LINE DOWN IN WALL OUT TO HOSE BIBB.
- PROVIDE AND INSTALL SHUT-OFF VALVE. TYPICAL AT EVERY BRANCH LINE.
- PROVIDE TRAP PRIMER MODEL PPP PR-500 WITH AG-500 AIR GAP SUPPLY, IN COLD WATER LINE IN ACCESSIBLE LOCATION. DROP DOWN TO BELOW SLAB AND SLOPE 1/2" COPPER LINE TO FLOOR DRAINS. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS.
- INSTALL EXTERIOR CLEANOUTS IN CONCRETE PAD PER DETAIL.
- PROVIDE AND INSTALL QUICK ACTING NAT. GAS REGULATOR DOWN FROM TO 5 PSI TO 7-14" W.C.
- GAS METER AND REGULATOR (SERVICE PRESSURE DOWN TO 5 P.S.I.) BY LOCAL GAS COMPANY (14,595 CFH TOTAL DEMAND). CONTRACTOR SHALL PAY FOR ALL SERVICE AND CONNECTION CHARGES, INCLUDING METER AND REGULATOR COST AND SERVICE LINE TO METER. CONTACT LOCAL GAS CO. PRIOR TO BID FOR ESTIMATE OF SERVICE AND CONNECTION CHARGES.
- POTENTIAL ROUTING OF GAS PIPING BY GAS COMPANY.
- REFER TO PLUMBING PLAN ON THIS SHEET FOR CONTINUATION.
- THE RPZ IS TO BE PROVIDED WITH A SENSOR ON THE RELIEF VALVE FOR FLOOD DETECTION. THE FLOOD SENSOR THAT IS INSTALLED ON THE ASSEMBLY EXTERIOR SHALL RELAY A SIGNAL THAT TRIGGERS NOTIFICATION TO FACILITY PERSONNEL WHO CAN TAKE THE CORRECTIVE ACTION THUS AVOIDING THE POSSIBILITY OF RUINOUS FLOODING AND COSTLY DAMAGE. THE ALERTS FEATURE ACTIVATED WITH ADD-ON SENSOR CONNECTION KIT, SHALL BE COMPATIBLE WITH THE BAS SYSTEM. COORDINATE ALL REQUIREMENTS WITH TEMPERATURE CONTROLS CONTRACTOR PRIOR TO RESPECTIVE ROUGH-IN.
- REFER TO SPECIFICATIONS FOR UNDERGROUND GAS PIPING AND TRACER WIRE REQUIREMENTS.



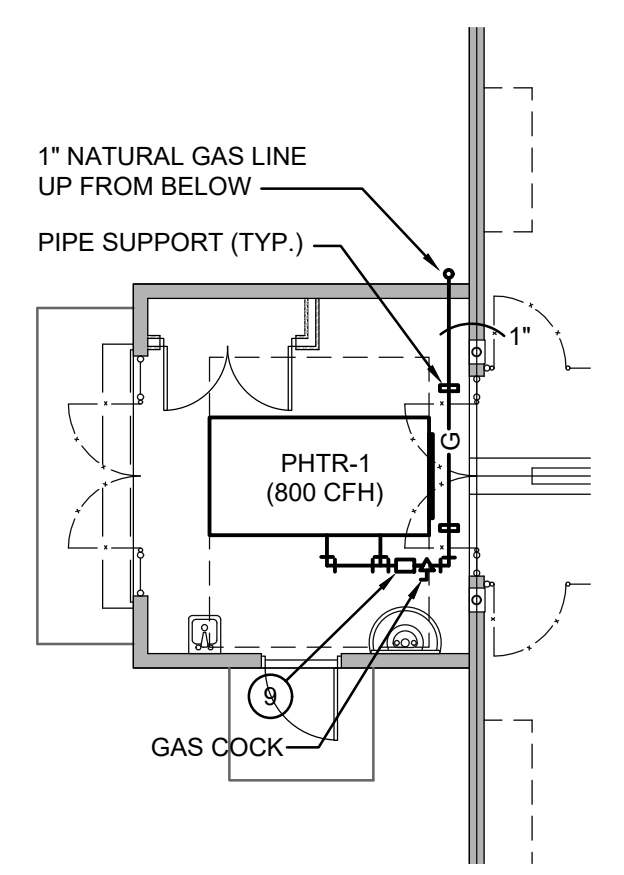
NOTE:
 COORDINATE ROUTING OF PIPING WITH STRUCTURAL BEAMS, JOIST, DUCTWORK, PIPING, CONDUIT, ETC. IN FIELD. PROVIDE OFFSETS AS REQUIRED FOR CEILING ELEVATION CHANGES, ETC. AS REQUIRED.

1 Plumbing Plan
 0 1" 8"
 NORTH

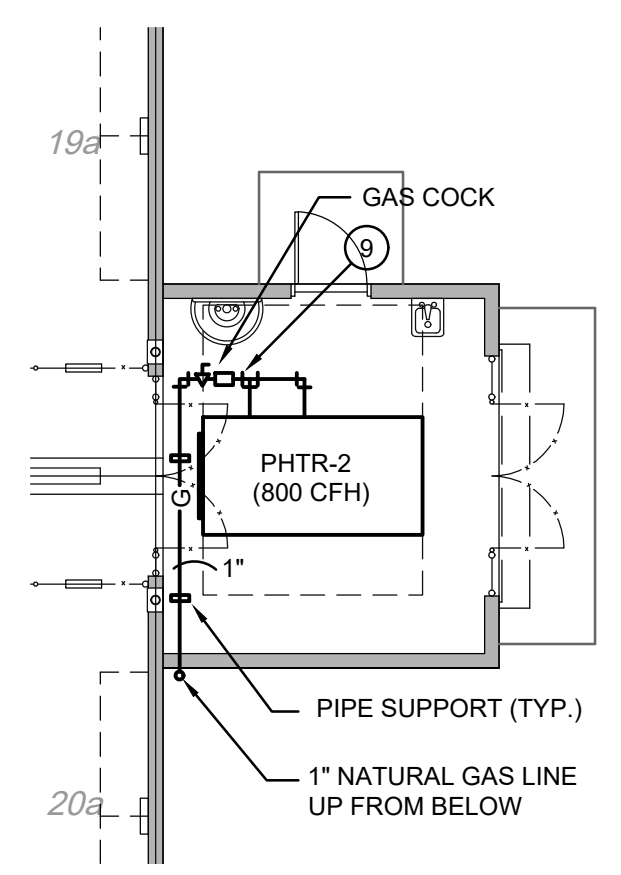
NOTE:
 REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS.



4 Partial Plumbing Site Plan
 0 1" 20"
 NORTH



2 Partial Plumbing Plan
 0 1" 8"
 NORTH



3 Partial Plumbing Plan
 0 1" 8"
 NORTH

NATURAL GAS LOAD

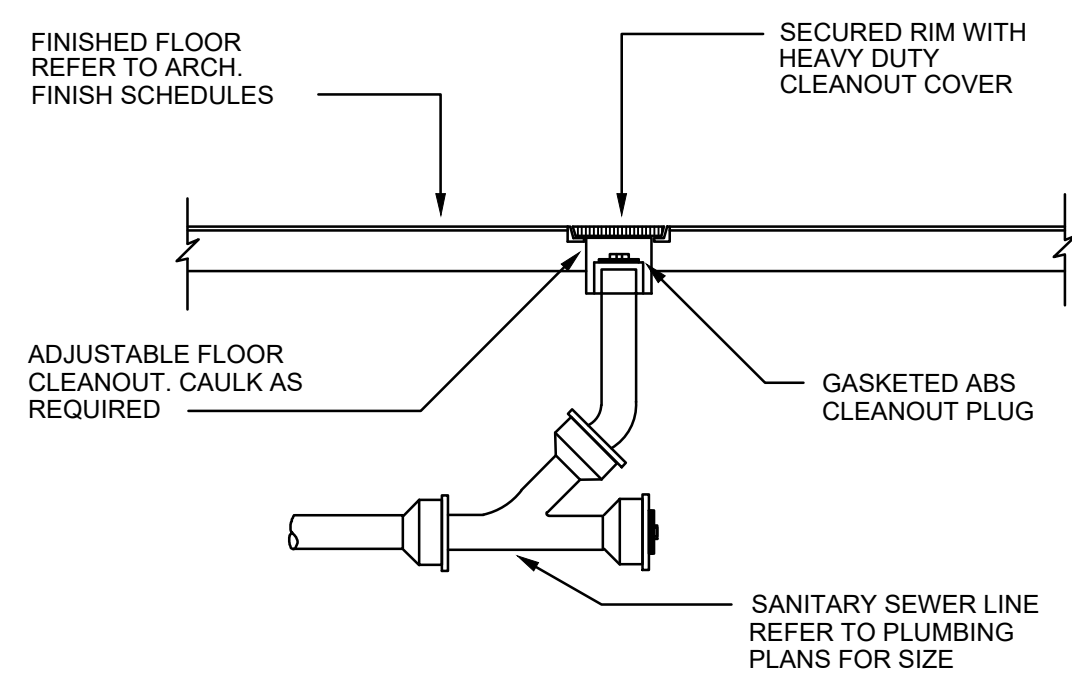
EQUIPMENT	BTUH	CFH	PRESSURE
BUILDING 01 - PTHR-1	800,000	800.0	1/2 PSI / 14" W.C.
BUILDING 01 - PTHR-2	800,000	800.0	1/2 PSI / 14" W.C.
BUILDING 02 - PTHR-1	800,000	800.0	1/2 PSI / 14" W.C.
BUILDING 02 - PTHR-2	800,000	800.0	1/2 PSI / 14" W.C.
SITE - GENERATOR	970,000	970.0	7" TO 14" W.C.
TOTALS =	4,170,000	4,170.0	



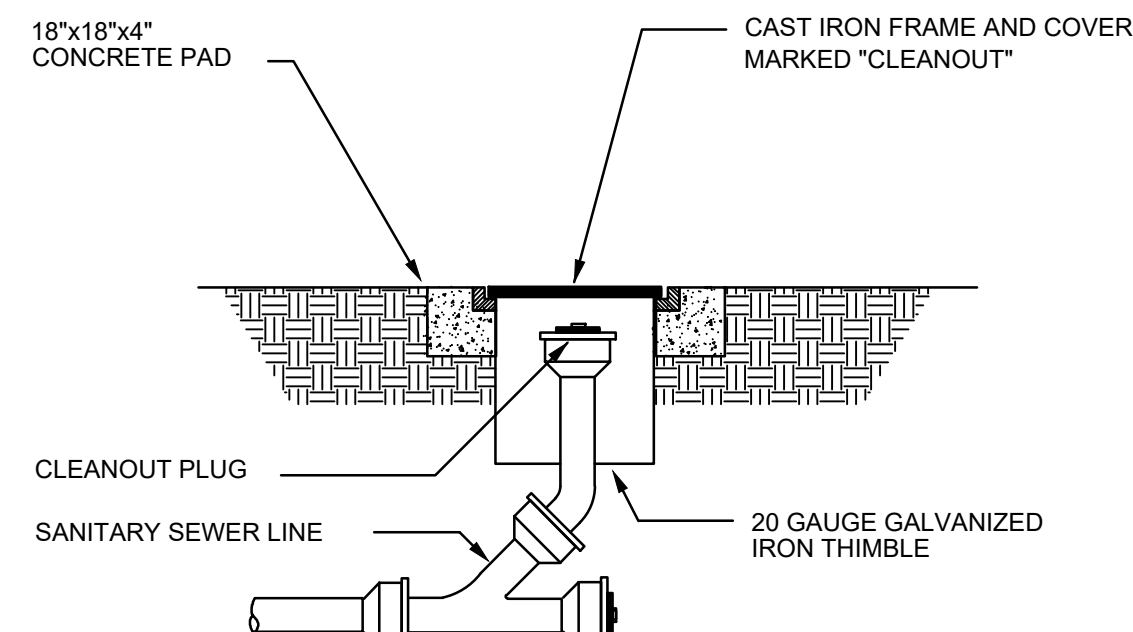
ASSOCIATED DESIGN GROUP, INC.
 3909 W Congress Street, Suite 201
 Lafayette, Louisiana 70506
 Phone: (337) 234-5710
 Email: adginc@adginc.org

Project No. 22186

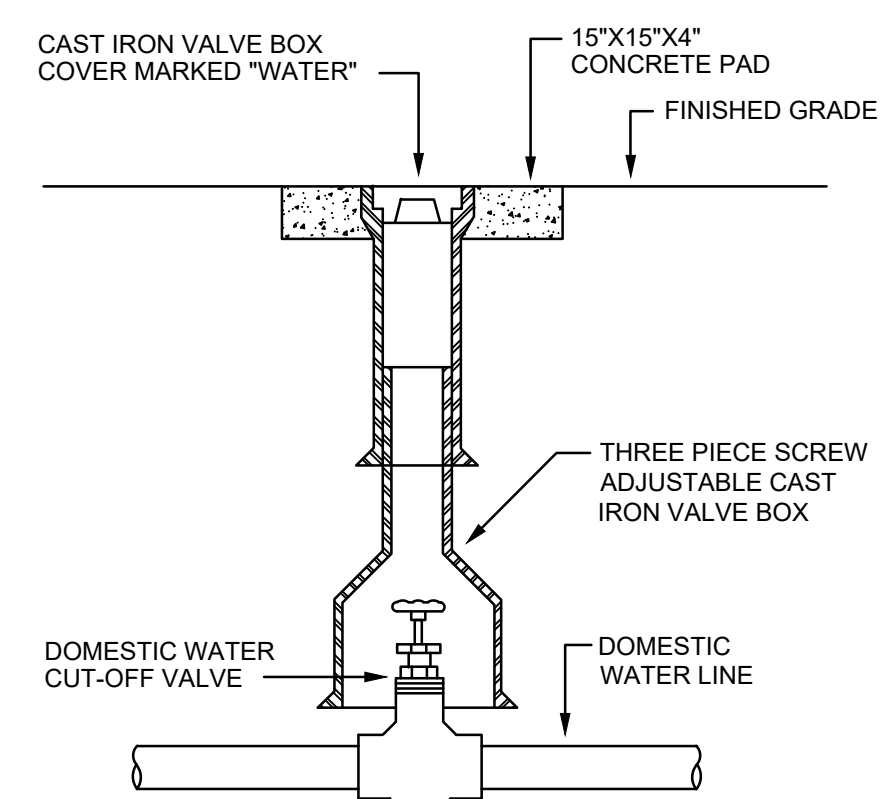




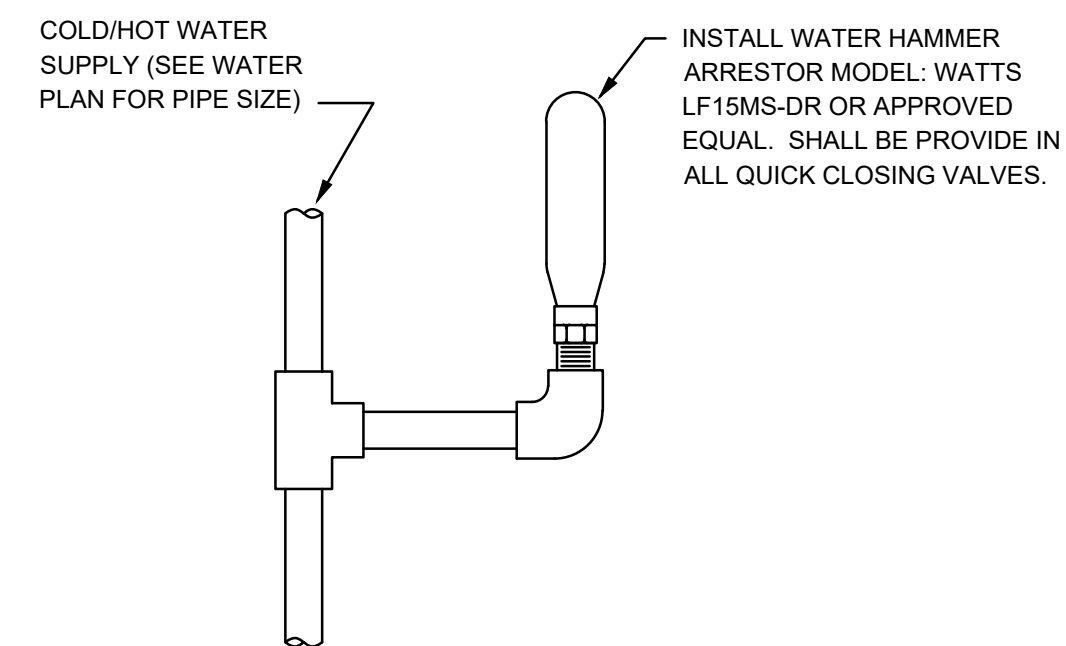
1 FLOOR CLEANOUT "FCO" DETAIL
NO SCALE



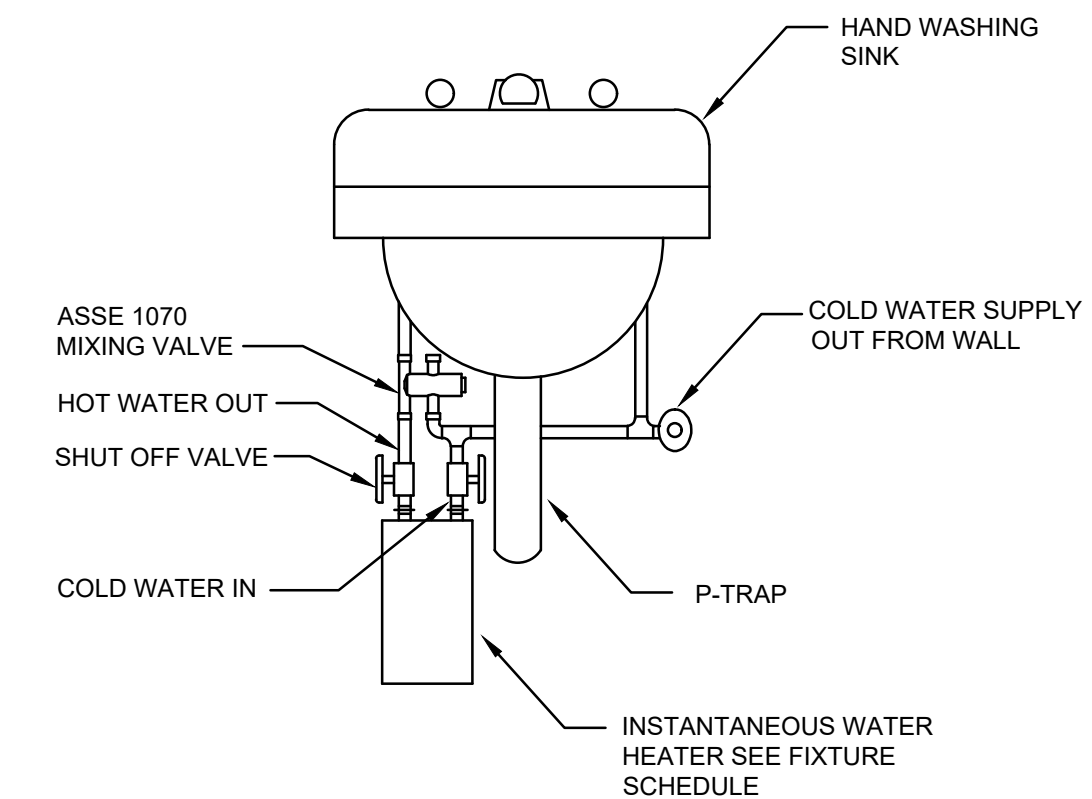
2 EXTERIOR CLEANOUT "ECO" DETAIL
NO SCALE



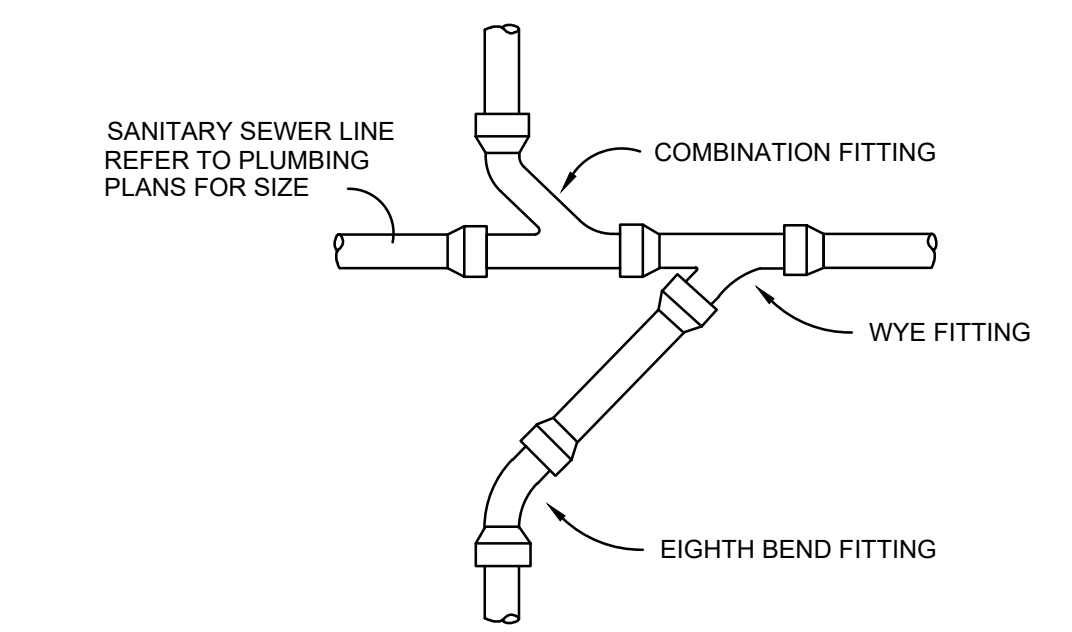
3 WATER VALVE BOX DETAIL
NO SCALE



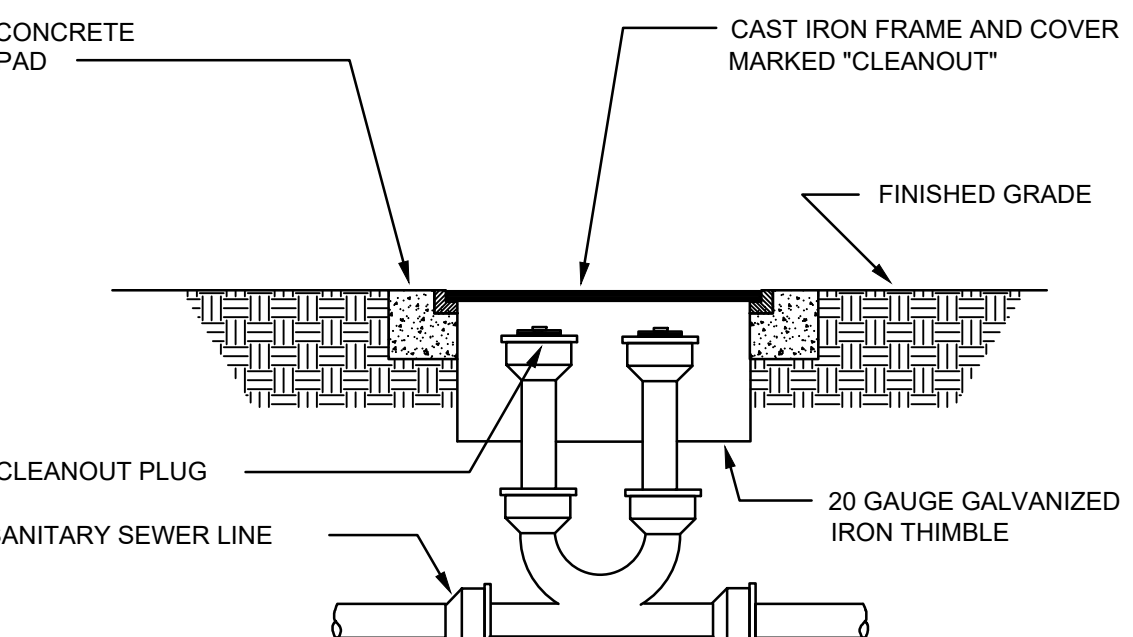
4 WATER HAMMER ARRESTOR DETAIL
NO SCALE



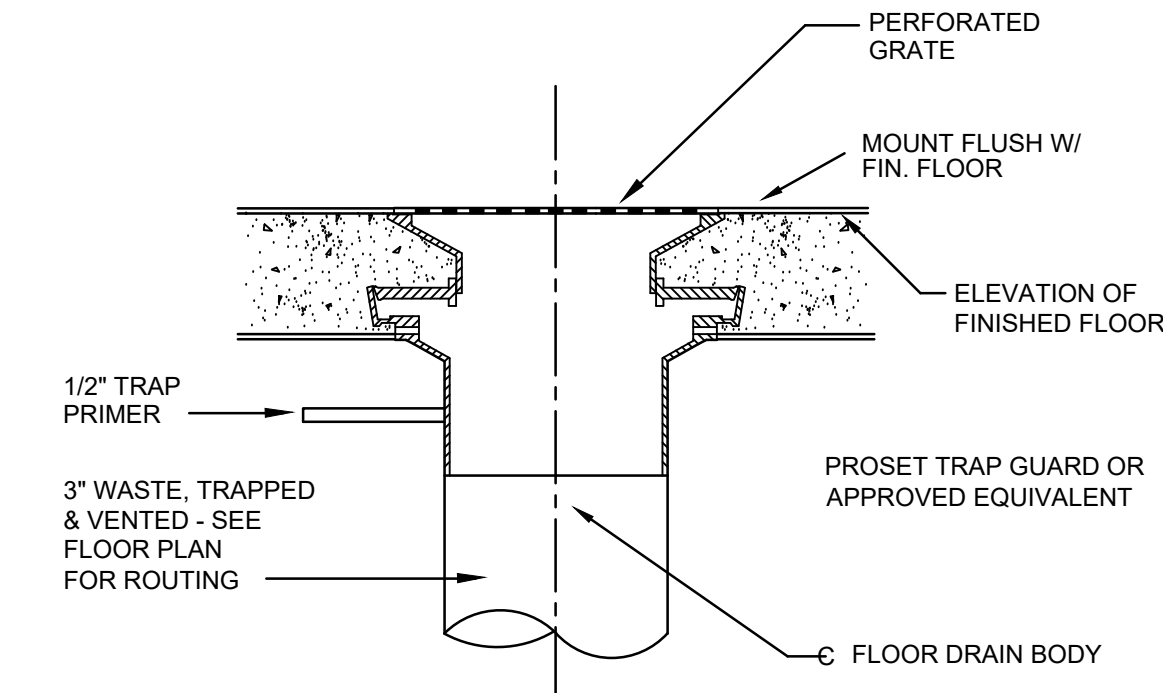
5 INSTANTANEOUS WATER HEATER
NO SCALE



6 SAN. SEWER CROSS INSTALLATION METHOD CONN. DETAIL
NO SCALE



7 TWO-WAY OUTSIDE CLEANOUT DETAIL
NO SCALE



8 FLOOR DRAIN "FD-A" DETAIL
NO SCALE

		SERVICES					REMARKS
MARK DESCRIPTION	MFR	TRAP	WASTE	VENT	HW	CW	
HB-A HOSE BIBB	WOODFORD - 24P-3/4	--	--	--	--	3/4"	ANTI-SIPHON VACUUM BREAKER, PROTECTED WALL FAUCET WITH 3/4" HOSE THREAD, BRASS CONSTRUCTION, TEE KEY HANDLE.
FCO FLOOR CLEANOUT	WADE - 6000	--	LINE SIZE	--	--	--	CAST IRON FLOOR CLEANOUT WITH ROUND ADJUSTABLE SCORATED SECURED NICKEL BRONZE TOP. COORDINATE TOP STYLE WITH FINISHED FLOOR MATERIAL.
ECO EXTERIOR CLEANOUT	JONES STEPHENS S36-008	--	LINE SIZE	--	--	--	CAST IRON FRAME AND COVER MARKED "SEWER CLEANOUT". PROVIDE AS DETAILED IN CONCRETE SLAB.
FD-A FLOOR DRAIN	ZURN - ZN415-6BP	3"	2"	--	--	--	CAST IRON FLOOR DRAIN W/ FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENING, ADJUSTABLE 6" DIA. NICKEL BRONZE STRAINER W/ SQUARE PERFORATIONS, P-TRAP. PROVIDE TRAP PRIMER CONNECTION.
FD-B FLOOR DRAIN	ZURN - ZN415-7I	3"	2"	--	--	--	CAST IRON FLOOR DRAIN W/ FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENING, ADJUSTABLE 7" DIA. NICKEL BRONZE EXTENDED RIM STRAINER W/ SQUARE PERFORATIONS, P-TRAP. PROVIDE TRAP PRIMER CONNECTION.
TD TRENCH DRAIN	WATTS ES-WD-DL-D-PP	--	4"	3"	--	--	WATTS DEADLEVEL D PRE-SLOPED TRENCH DRAIN SYSTEMS W/ 6" W x 48" L DUCTILE IRON FRAME, UV STABILIZED TALC-FILLED POLYPROPYLENE WITH INTEGRAL 4" NO HUB BOTTOM OUTLETS, POLYPROPYLENE GRATE (CLASS C) SYSTEM SHALL BE FRAME-ANCHORED. SYSTEM TO INCLUDE FRAME CONNECTORS, GRATE LOCK-DOWNS, AND CONSTRUCTION COVERS.
HW HAND WASH SINK	ELKAY - 18KVX	1-1/2"	2"	2"	1/2"	1/2"	18 GAUGE, 300 SERIES STAINLESS STEEL WALL HUNG HAND SINK WITH WALL HANGER AND STAINLESS STEEL SUPPORT, GOOSENECK SPOUT, BRACKETS, KNEE VALVES FOR HANDS FREE OPERATION, GRID DRAIN FITTING WITH TAILPIECE. LK500 P-TRAP WITH CLEANOUT PLUG, WALL FLANGE, ANGLE SUPPLIES WITH STOP, AND ALL ACCESSORIES REQUIRED.
EW EYE WASH	ACORN - S0320	1-1/2"	2"	2"	--	3/4"	PEDESTAL MOUNTED EYE/FACE WASH WITH PLASTIC BOWL, ABS PLASTIC SPRAY HEADS, INLINE STRAINER, STAY OPEN BALL VALVE WITH PUSH HANDLE.
LX-IT AUTOMATIC WATERING SYSTEM	LIXIT - L70	--	--	--	--	1/2"	AUTOMATIC WATERING NIPLLE, W/ HOLLOW CENTER. SHALL BE MADE OF HIGH QUALITY STAINLESS STEEL, AND SHALL BE ADJUSTABLE (BETWEEN 20 AND 60" PSI). SHALL MOUNT TO 1/2" PIPE FITTINGS. COORDINATE MOUNTING ORIENTATION WITH OWNER PRIOR TO ROUGH-IN.
HFI FUR INTERCEPTOR	WADE - 5830-50-26-XT	--	4"	--	--	--	ACID RESISTANT COATED FABRICATED STEEL HAIR / FUR INTERCEPTOR (50 GPM FLOW RATE) FOR ON GRADE RECESSED INSTALLATION COMPLETE WITH TRAP SEAL, SEDIMENT BASKET W/ MESH SCREEN PORTS, REMOVABLE SECONDARY SCREEN AND 4" NO-HUB SIDE INLET / OUTLET. REFER TO CIVIL DRAWINGS FOR XT DIMENSION.
TP TRAP PRIMER	PRECISION PLUM PRODUCT PR-500 AG-500	--	--	--	--	1/2"	PROVIDE AUTOMATIC PRESSURE DROP TRAP PRIMER WITH AIR GAP SUPPLY, IN COLD WATER LINE FEEDING FLOOR DRAIN.

WATER HEATER SCHEDULE								
UNIT No.	LOCATION	STORAGE GAL.	GPM	TEMP RISE	HEATING ELEMENTS KW	AMPS	ELEC. SERVICE	MFR MODEL NO.
IWH-HW	SEE PLANS	INSTANT.	0.5	41°	3.0	15	208-160	EEMAX SPEX3208T OR APPROVED EQUAL

APPROVED EQUALS: THE FOLLOWING MANUFACTURERS OF PLUMBING FIXTURES AND DRAINS OF COMPARABLE QUALITY TO THOSE ITEMS SPECIFIED ARE CONSIDERED APPROVED EQUALS SUBJECT TO COMPLIANCE WITH REQUIREMENTS OF THE INDIVIDUAL SPECIFICATIONS.

PLUMBING FIXTURES: AMERICAN STANDARD, MANSFIELD, SLOAN, TOTO, ZURN
 DRAINS, CLEANOUTS, CARRIERS: JOSAM, J.R. SMITH, MIFAB, WATTS, ZURN
 SINKS: ADVANCE TABCO, GRIFFIN, JUST
 HOSE BIBBS: J.R. SMITH, MIFAB, WATTS, ZURN
 FAUCETS: CHICAGO, DELTA COMMERCIAL, MOEN COMMERCIAL, SLOAN, SPEAKMAN, T & S, ZURN
 WATER HEATERS: A.O. SMITH, STATE, RHEEM
 SUPPLIES: BRASSCRAFT, EASTMAN, McGUIRE, SPECIFIED TRIM, ZURN
 FUR TRAP: WADE, MIFAB, ZURN, J.R. SMITH
 OTHER MANUFACTURERS: SUBMIT FOR PRIOR APPROVAL.

5.0 P.S.I. GAS PIPING FROM METER TO BUILDINGS & GENERATOR:
 LONGEST LENGTH IN FT. = 100'-0"
 EQUIVALENT FT. FOR FITTINGS = 35'-0"
 TOTAL LENGTH = 135'-0"

2.0 P.S.I. GAS PIPING FROM REGULATOR AT BUILDING TO PACKAGED GAS FIRED HEATERS:
 LONGEST LENGTH = 195'-0"
 EQUIVALENT FT. FOR FITTINGS = 45'-0"
 TOTAL LENGTH = 240'-0"

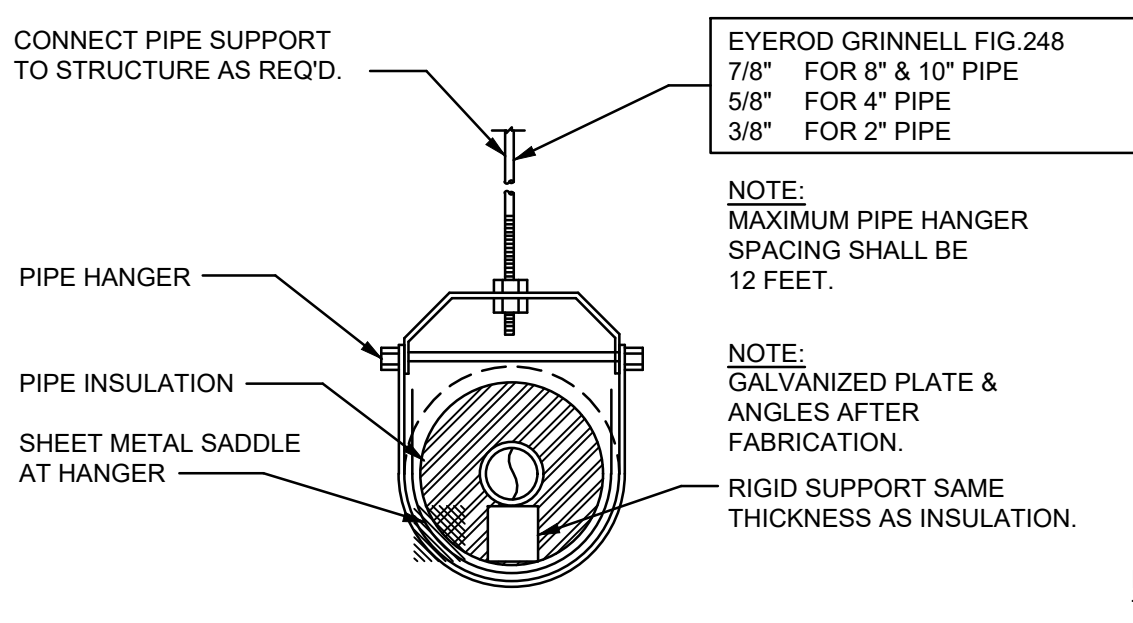
LESS THAN 2.0 P.S.I. GAS PIPING FROM APPLIANCE REGULATOR TO PACKAGED GAS FIRED PHTRS:
 LONGEST LENGTH = 5'-0"
 EQUIVALENT FT. FOR FITTINGS = 10'-0"
 TOTAL LENGTH = 15'-0"

NOTE: INFORMATION PROVIDED FROM TABLE 402.4(2), TABLE 402.4(5) & TABLE 402.4(7) OF THE 2021 INTERNATIONAL FUEL GAS CODE

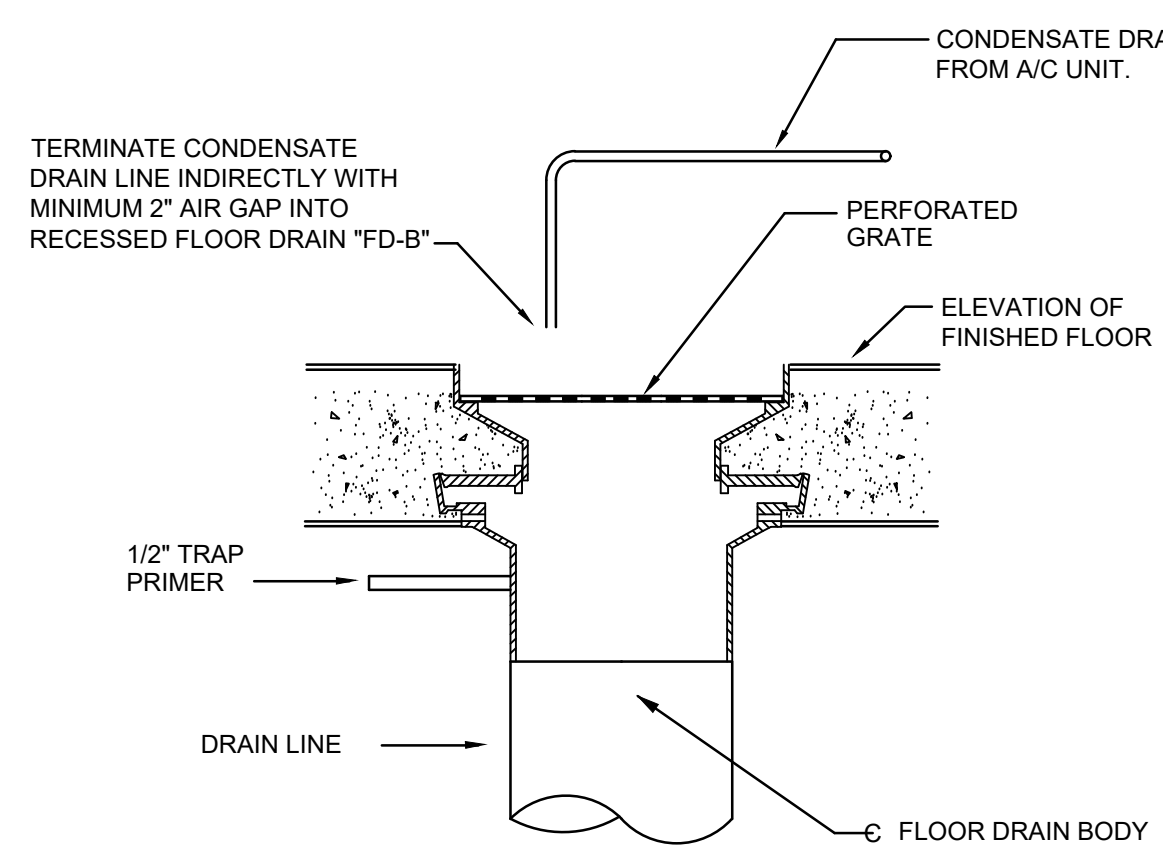
ADG ENGINEERING
 ASSOCIATED DESIGN GROUP, INC.
 3909 W Congress Street, Suite 201
 Lafayette, Louisiana 70506
 Phone: (337) 234-5710
 Email: adginc@adginc.org



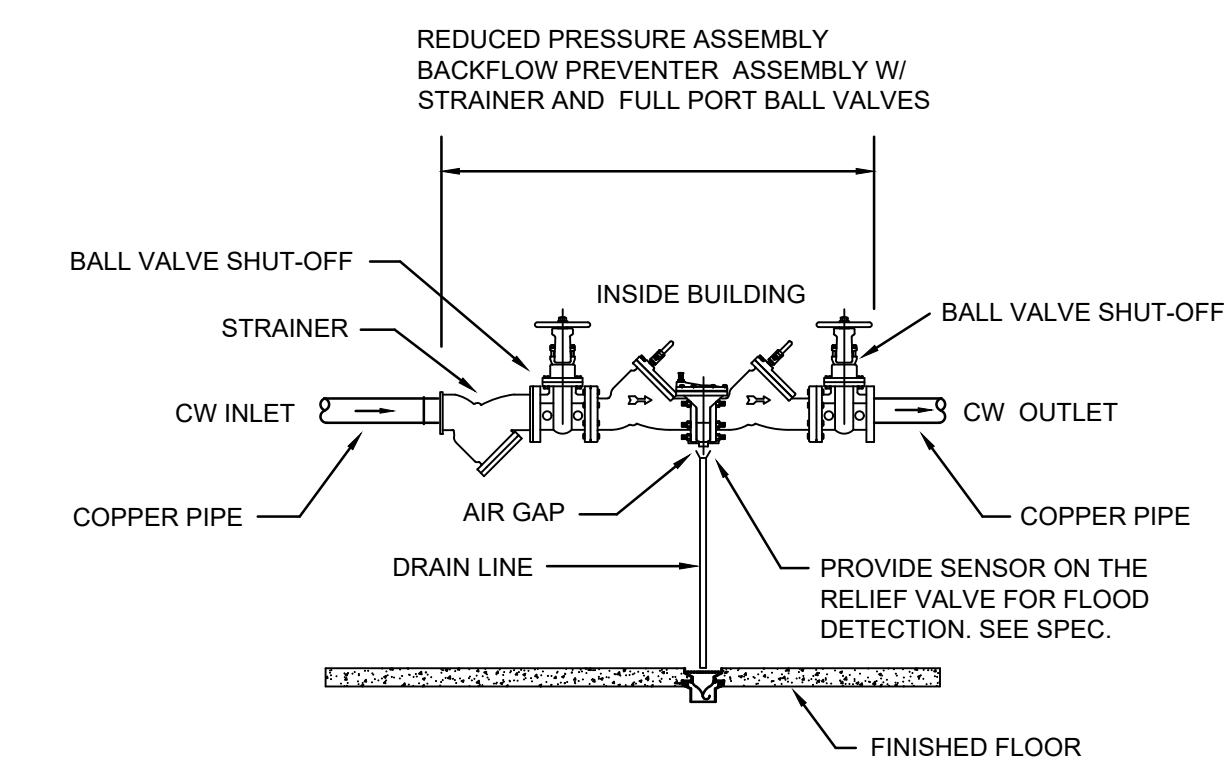
PLUMBING LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SANITARY SEWER LINE	FD	FLOOR DRAIN
	SANITARY SEWER VENT LINE	LX-IT	LIX-IT AUTOMATIC WATER DEVICE
	DOMESTIC COLD WATER LINE	A.F.F.	ABOVE FINISHED FLOOR
	NATURAL GAS LINE	A.F.G.	ABOVE FINISHED GRADE
	EXTERIOR CLEANOUT	V.T.R.	VENT THRU ROOF
	FLOOR CLEANOUT		BALL VALVE
	HOSE BIBB		WATER HAMMER ARRESTOR
	TRENCH DRAIN		PLUMBING RISER DIAGRAM NUMBER
	HOSE BIBB		REDUCED PRESS. ZONE VALVE ASSEMBLY



9 INSULATED PIPE HANGER DETAIL
NO SCALE



10 FLOOR DRAIN "FD-B" DETAIL
NO SCALE



11 RPZ BACKFLOW PREVENTER
NO SCALE