

* * * * ADDENDUM TO BID * * * *

PRE-ENGINEERED METAL BUILDING

Guadalupe County Auditor's Office 307 W. Court, Suite 205 Seguin, Texas 78155 830-303-4188 Ext. 1328

Bid Title:PRE-ENGINEERED METAL BUILDINGBid No.:15-5300.PRE-ENGINEERED METAL BUILDINGAddendum No.:1Issued:November 21, 2014

TO BIDDER: This addendum is an integral part of the bid package under consideration by you as a Bidder in connection with the subject matter herein below identified. Guadalupe County deems all sealed bids to have been proffered in recognition and consideration of the entire bid package – <u>including all issued addenda</u>.

Receipt of this present Addendum by a Bidder should be evidenced by returning it signed as part of the Bidder's sealed bid proposal. If the Bid has already been received by the County Judge's office, Bidder should return this Addendum in a separate sealed envelope, which is clearly marked with the Bid Title, Bid Number and Opening Date and Time, stated as follows:

ADDENDUM TO: Pre-Engineered Metal Building Bid No. 15-5300.PRE-ENGINEERED METAL BUILDING (Lube Center) 2:00 p.m., December 2, 2014

REASON FOR ISSUANCE OF THIS ADDENDUM:

1. Clarification to Specifications as per Contractors' Request for Information. See attached documents.

The information included herein is hereby incorporated into the documents of this present bid matter and supersedes any conflicting documents or portion thereof previously issued.

Receipt of this Addendum is hereby acknowledged by the undersigned Bidder.

Authorized Signature (Bidder)

Title of Person Signing Above

Typed Name of Firm, Corporation

1. *Question:* Please specify the roof finish. A1.2 calls for standing seam, 24 gage, and galvalume. A3.1 calls for factory finish to be selected. A7.1 calls for metal roof, alternate standing seam metal roof.

Response: Contact Mueller, Inc. per sheet A2.3

2. *Question:* Please specify the 1" continuous XPS insulation.

Response: FORMULAR extruded polystyrene rigid board insulation, manufacturer: Owens Corning Insulating Systems, or approved equivalent. Provide per manufacturers recommendations. Provide submittal for engineer or architect approval.

3. Question: Please specify the spray foam insulation; open or closed cell?

Response: Icynene, Open Cell – Contact Donny Beicker of Beicker Insulation for pricing. 830-303-8200 or 830-305-1979.

4. *Question:* Provide overhead door sizes at the lube bays.

Response: 12' tall x 14' wide.

5. Question: Please specify the wall panel type. Corrugated can mean PBR panel, C-Panel, etc.

Response: Contact Mueller, Inc. per sheet A2.3

6. *Question*: Specify the chop stone to be used for the water table.

Response: Gray Leuders chopped, contact New Braunfels Stone Supply at 830-609-6633

7. Question: Provide a material allowance for ceramic tiles, solid surface tops and backsplashes.

Response: Ceramic tile wainscot - \$3.00/s.f. (material only) B) Solid surface countertops and backsplash- \$62.00/s.f. (materials only) C) Appliances in Breakroom: Refrigerator, dishwasher, stove and vent hood - \$3,500, including installation

8. *Question*: Clarify the bidding as two phases: am I bidding phase 2 as a stand-alone project or as follow-on to phase 1? Are you going to consider awarding Phases 1 & 2 to different contractors? Would phase 2 be done more than 60 days after Phase 1 completion? Do you want Phase 2 priced as an Add Alternate?

Response: Bid as one complete project (separate pricing for Phase 1 and for Phase 2); No, the bid will be awarded to one contractor; If awarded Phase 2, there will be no lapse in time between Phase 1 and Phase 2; Yes, Phase 2 should be priced as an add alternate.

It is the intent of the County to complete Phase 1 and Phase 2, however, the County reserves the option to only award Phase 1.

9. Question: What is the spacing for 2 x wood bracing as stud walls shown in detail 01/A7.1

10. Question: Are the metal building columns to be left exposed in Lobby, Break room, Restroom and Training Room?

Response: See updated sheet A7.1

11. Question: Please provide sealed structural drawings for the Storage and Mechanical mezzanines construction.

Response: Engineered signed & sealed drawings are not part of the scope of work for this firm. Construct as per current local codes and industry construction practices.

12. Question: Please clarify the scope of civil work to be performed by the County and the Contractor.

Response: Civil work will be performed by the County, not the Contractor. The scope of civil work to be performed by the County will include everything outside the building envelope with the exclusion of porch1 and porch 2 and inclusion of the building pad.

13. Question: Please clarify the HVAC scope of work for Phase 1 & 2.

Response: Phase 1 deals with the shop/garage area. This area does not deal with any air conditioning. This area is only gas infrared heaters and ridge vents. Phase 2 deals with the office/training area. This design deals with air handlers, condensing units, exhaust fans, economizers, furnaces, and a cooling coil.

14. Question: Is the Mechanical Mezz to be constructed in Phase 1 or 2?

Response: Framing and finish out of this space to be in Phase 2

15. *Question:* Please clarify the Plumbing scope to be completed in Phase 1. If the Mech Mass is not to be constructed in Phase 1, where will the water heater be placed for Phase 1?

Response: Water heater shall be suspended from all thread from roof purlins. Contractor to coordinate placement & attachment with metal building supplier.

16. *Question:* Please confirm limits of work to be completed beyond the building envelope. As an example, does contractor's scope of work include the concrete apron, porches and concrete walks indicated on plan sheet 4 of 10?

Response: Limits of work to be completed beyond the building envelope, by the Contractor, will include two porches.

17. *Question*: Please confirm contractor is providing silt fence on plan sheet 9 of 10.

Response: No, contractor is not providing silt fence on plan sheet 9 of 10.

18. Question: Please confirm that project duration of eight (8) months as noted on bid form.

Response: Yes, project duration of eight (8) months is correct as noted on bid form (as per specifications, page 21, section3.0).

19. Question: Please provide amount of liquidated damages (if any) to be charged.

Response: Not applicable.

20. Question: Please provide a project budget of value.

Response: Total budget for the project is \$750,000. (Note: This is a total project budget, includes other costs than just the Contractor, for example engineering/architect, site work, landscaping, parking, etc.)

21. Question: Will a building permit be required? If so, who will be responsible for obtaining and payment?

Response: Yes, a building permit will be required. The General Contractor will be responsible for obtaining and payment of permit (as per specifications, page 13, Permits/Licenses section).

22. Question: Who will be responsible for paying for project material testing?

Response: The Owner

23. *Question:* Please refer to plan sheet A5.2, Door Schedule Note #9 and clarify. Note refers to an alternate, for which there is none indicated on the bid form.

Response: Provide alternate as indicated on plans.

24. Question: Please refer to plan sheet A5.1, Finish Schedule Notes #17 & 18 refer to alternate, for which there is none indicated on the bid form.

Response: Provide alternate as indicated on plans.

25. *Question:* Please refer to plan sheet A5.1, Finish Schedule Notes #1-3. Denoted finishes need to be clarified. Need group for ceramic tile material and confirmation of standard colors for stained concrete and epoxy floor coating.

Response: Ceramic Tile – Floor tile: Group IV, wall tile: Group II; Stained concrete – Stain color to be selected by owner and architect. Limit choices to 6 possible colors; Epoxy Coating – Color to be selected by owner and architect. Limit choices to 4 possible colors.

26. *Question*: Please refer to plan sheet A5.1, Finish Schedule. The finish schedule indicates acoustical ceiling at the Lobby. However, the RCP drawing on sheet A6.1 doesn't show acoustic ceiling in the room. Please clarify ceiling type in Lobby.

Response: Sheet A6.1 with Reflected Ceiling Plan takes precedent over sheet A5.1, finish schedule regarding ceiling at Lobby, Office and Table/Chair Storage.

27. Question: See question 11 above. The same issue exists at the Office and Table/Chair Storage rooms.

Response: Sheet A6.1 with Reflected Ceiling Plan takes precedent over sheet A5.1, finish schedule regarding ceiling at Lobby, Office and Table/Chair Storage.

28. Question: Please provide any wage scale requirements, if required.

Response: Not applicable.

29. Question: Please provide any S/M/WBE requirements, if required.

Response: Not applicable.

30. Question: Please confirm there is also an overhead door on the west end of the building near the tire storage area in addition to the six on the north and south walls.

Response: Yes, there is a door at west wall. To be the same size at the others, 12' tall x 14' wide.

31. *Question*: Please reference plan sheet 2 of 10, note 14. Will a demolition permit be required? If so, who will be responsible for obtaining and payment?

Response: No demolition permit is required.

32. Question: Please reference plan sheet A1.1, General Note #8. Please provide list of all owner supplied items.

Response: No materials will be supplied by Owner (as per plans, A1.1, GN8)

33. .Question: Is there a bid bond required?

Response: No

- Question In the structural sheets 4/10 shows 4" of select fill under the slab. All other details show 12". Please clarify.
 Response: Correct sub-grade pad is 4'-0". See Geo report.
- 35. Question: Will only the concrete mix and strength test be by contractor and all other testing be by owner?

Response: No, all testing will be performed and paid by Owner.

36. Question: Is the concrete apron and walk to be by contractor?

Response: The concrete aprons under porch 1 and porch2 will be by contractor and the remaining concrete aprons and walkways will be by County.

37. Question: Are the wheel stops, striping and signature be by contractor?

Response: No, this will be performed by County.

38. Question: 1/A8.1 shows the insulation extending 4' past the wall in the break room, the adjacent ceiling is not in the same plane, please clarify.

Response: See updated sheet A8.1.

39. Question: Is there insulation above the ceiling in any rooms other than the break room?

- Question: Are all exterior metal building walls to have the same items as 1/A7.1 less the stone?
 Response: Yes.
- 41. Question: Please provide metal building specifications.

Response: Contact Mueller, Inc. per sheet A2.3

42. Question: The finish notes 17 & 18/A5.1 reference alternate 1 & 2. The bid form doesn't indicate this.

Response: Provide alternate as indicated on plans.

43. Question: Please provide appliance specifications.

Response: Refrigerator, dishwasher, stove and vent hood - \$3,500 allowance, including installation.

44. Question: Please provide insulation (batt vinyl face and foam) specifications.

Response: Batt vinyl face insulation at roof – per metal building manufacturer. Foam - Icynene, Open Cell – Contact Donny Beicker of Beicker Insulation for pricing. 830-303-8200 or 830-305-1979.

45. Question: Is the building pad by the general contractor?

Response: No. The building pad will be performed by the County.

46. Question: Please provide a list of quantities and items furnished by the owner, the contractor is to install.

Response: None.

47. Question: Is interior framing lumber to be fire treated?

Response: No.

48. Question: Is the ceramic tile to be mud set in the restrooms? Is so, what thickness is applicable?

Response: Provide 1 1/4" thick mud set.

- 49. Question: Is the 1" XPS insulation board at the roof to go over the purlins and the R-28 metal building insulation? Response: See updated sheet A7.1.
- 50. Question: Does the wood framing at the exterior wall go in stage 1 or stage 2?

Response: Phase 1

51. Question: Can the gas piping system for sized and installed at a lower supply pressure to avoid using gas pressure regulators at each appliance?

Response: Yes. Gas piping was originally sized for supply pressure of 2psi. To avoid regulators, we re-sized the piping for 4oz supply pressure. Please see attached drawings.

52. Question: Which sinks are supposed to be operated by foot pedals?

Response: One sink in the maintenance area and one in the maintenance restroom. Please see attached drawings.

53. *Question:* The plumbing fixture specifications only name an ADA toilet. Is there another non-ADA toilet that should be used in non-ADA stalls?

Response: Yes. Please see new specifications on attached drawings.

54. Question: At the Mezzanine, if exposed, is the underside to be painted?

Response: See sheet A7.3 and A7.4

55. Question: Is the exposed metal building structure (walls and ceiling), and exterior canopies to be painted?

Response: Material by metal building company to be factory-painted. Exposed steel columns to be painted. Refer to sheet A7.1 for reference.

56. Question: Are the overhead doors to be painted or left with factory finish?

Response: Factory finished

57. *Question:* Are the stairs to the mezzanine to be steel with concrete pan or checker plate treads? No details are shown, and the rails are called out on sheet A2.3 as 1 ½ pipe with pickets.

Response: See sheet A7.3

58. Question: If the stairs are steel, is the PEMB Manufacturer supplying them?

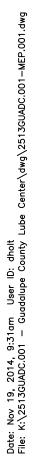
Response: No.

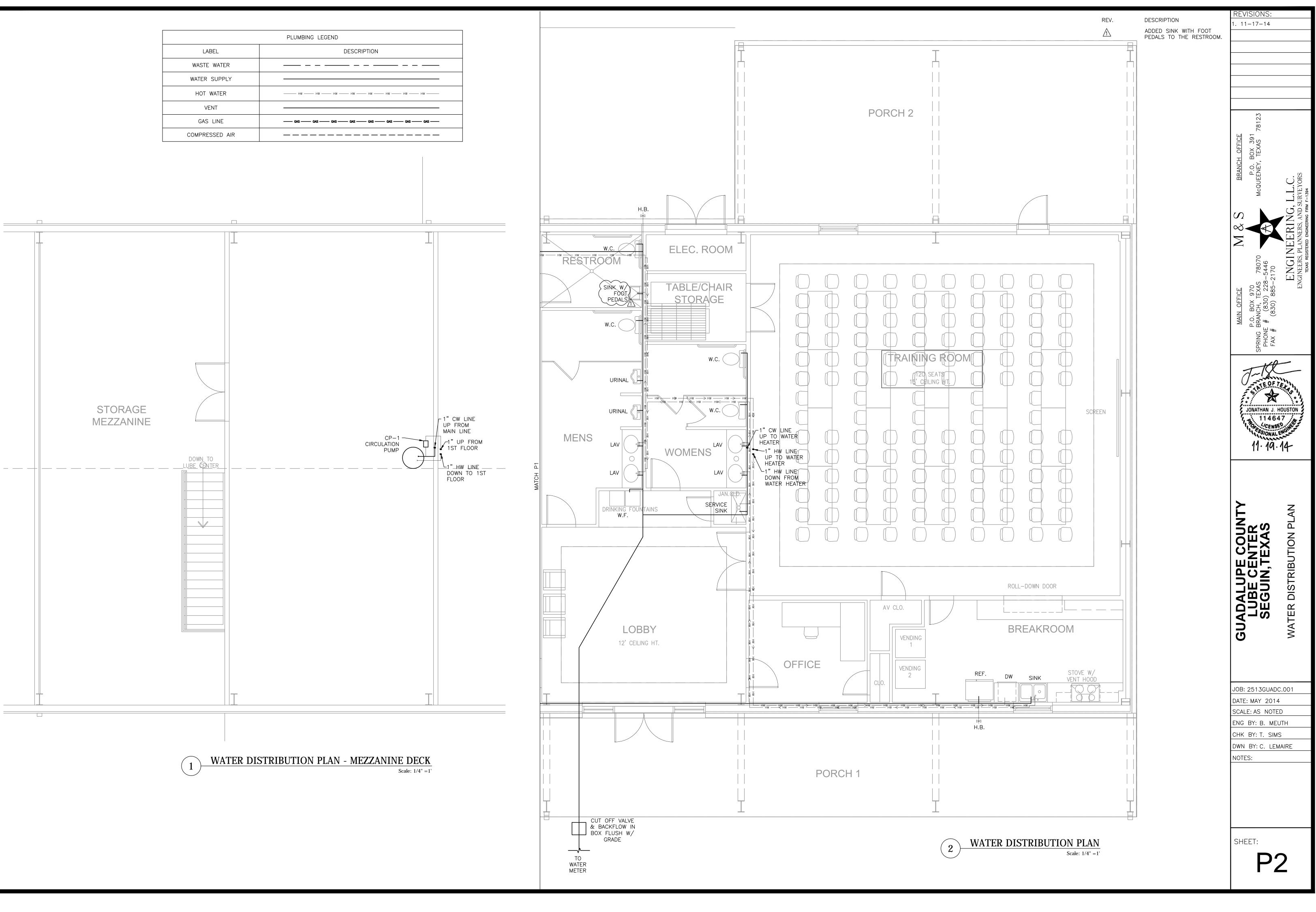
59. Question: Is the PEMB Manufacturer going to supply the 8x8 tube columns to support the 18" deep truss? No structural details are shown for these items either.

Response: No. See Sheets A2.3 and A7.4. See Sheet A2.3 (STR) for beam sizes.

60. *Question:* Is there a size for the bollards shown at the overhead doors? The only bollard size shown on the civil drawings is for the handicap parking signs.

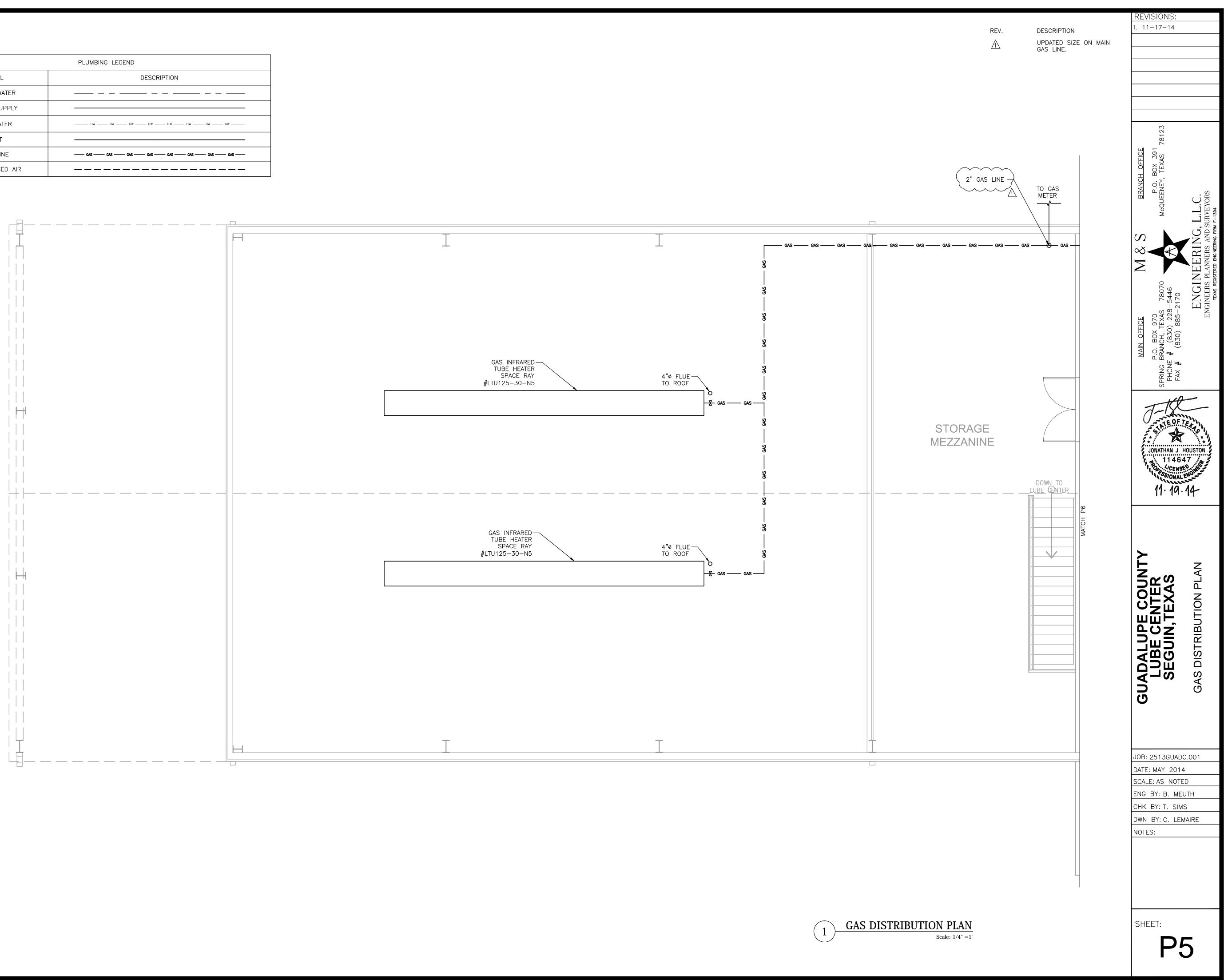
Response: The pipe bollard is outside the building envelope and will be installed by the County.



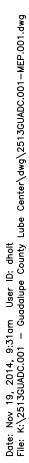


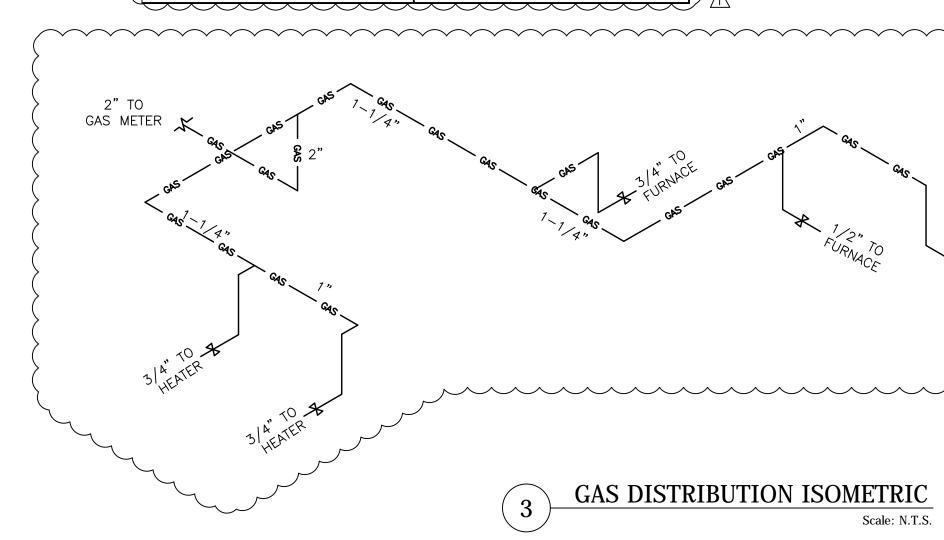
	PLUMBING LEGEND
LABEL	DESCRIPTION
WASTE WATER	
WATER SUPPLY	
HOT WATER	нw нw нw нw нw нw нw
VENT	
GAS LINE	GAS GAS GAS GAS GAS GAS GAS
COMPRESSED AIR	

	PLUMBING LEGEND			
LABEL	DESCRIPTION			
WASTE WATER				
WATER SUPPLY				
HOT WATER	HW			
VENT				
GAS LINE	GAS			
COMPRESSED AIR				









Qty	Appliance	Btu/hr (Each)	Total (Btu/hr)	
1	Furnace - 1	125,000	125,000	
1	Furnace - 2	88,000	88,000	
2	IR Heater	125,000	250,000	
1	Water Heater	199,900	199,900	
$\sim\sim$	\sim	Total Btu/hr	662,900	
Approximat	ce Distance From most Remote Outlet) Total Cubic	667	
to meter: 125 foot		Feet of NG/hr	663	

	Proposed Nat	ura	al Gas Demand	
Qty	Appliance		Btu/hr (Each)	Total (Btu/hr)
1	Furnace - 1		125,000	125,000
1	Furnace - 2		88,000	88,000
2	IR Heater		125,000	250,000
1	Water Heater		199,900	199,900
$\sim\sim$	$\overline{}$	入	Total Btu/hr	662,900
Approximat	te Distance From most Remote Outl to meter: 125 foot	?t <) Total Cubic) Feet of NG/hr	663

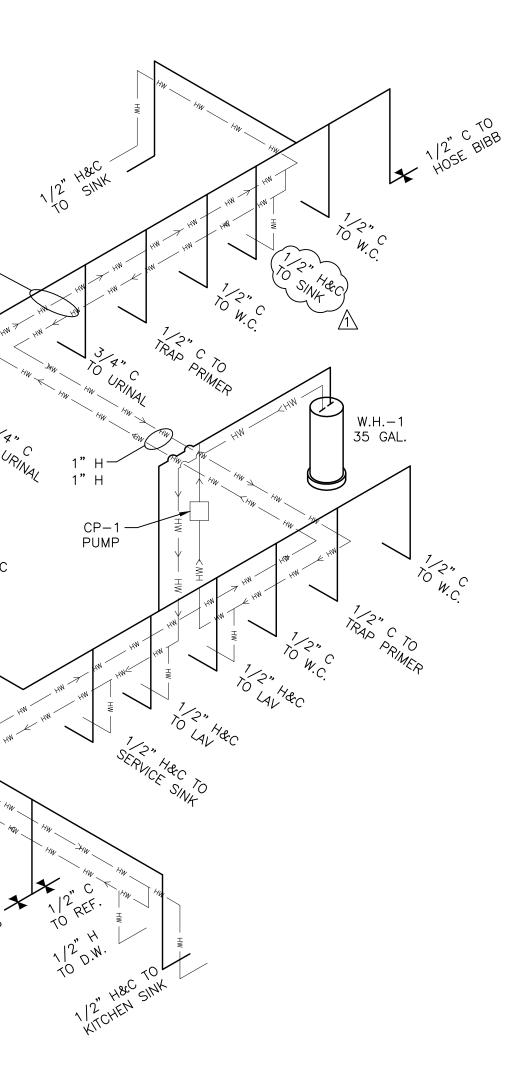
$\begin{array}{c} & & \\ & & \\ & & \\ & HO_{SE} & C & TO \\ & & & \\ & & BIBB \\ \end{array} \end{array}$	
1-1/4" C	-1-1/4" C
CUT OFF VALVE & BACKFLOW IN BOX FLUSH W/ GRADE	
TO WATER METER	3/4"C- 1"H 1"H

Qty	Appliance	WSFU (Each)	Total (WSFU)	
4	Water Closet, Public, Flush tank	5.0	20	
2	Urinal, Public, 3/4" flushometer valve	5.0	10	
(4)/1	Lavatory, Public, Faucet	2.0	8	
1	Drinking Fountain, Offices, 3/8" valve	0.3	0.25	
1	Kitchen sink, Hotel/Restaurant, Faucet	4.0	4	
1	Service Sink, Offices etc, Faucet	3.0	3	
(2)/1	Sink	3.0	6	
3	Hose Bibb*	2.5	4.5	
1	Refrigerator	0.3	0.25	
1	Dishwashing machine, Private, Automatic	1.4	1.4	
		Total	(57.4 WSFU)	
Approximate distance from most remote outlet to meter: 110 Feet			30 (GPM) /1	
		Minimum meter size = 1"		
		Minimum distribution pipe size = $1-1/4$ "		

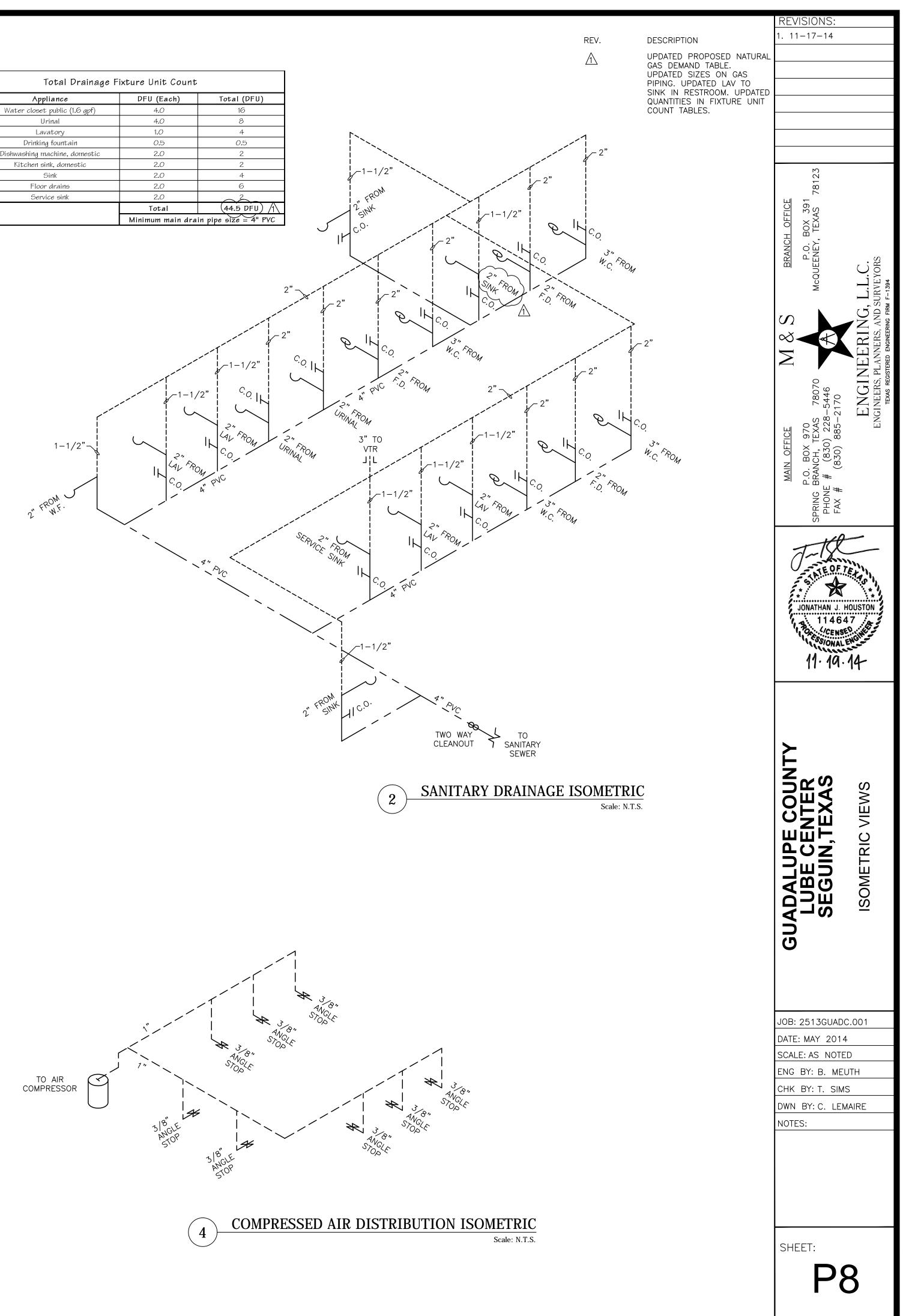
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1"C-

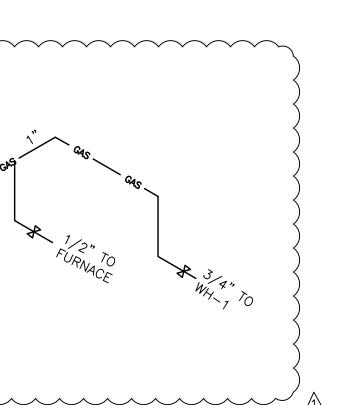
1"H 1"H

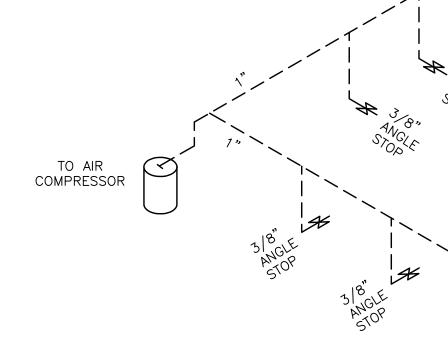


Total Drainage Fixture Unit Count Appliance DFU (Each) Total (DFU) Qty Water closet public (1.6 gpf) 4.0 16 4 Urinal 4.0 8 (4)/1Lavatory 1.0 4 Drinking fountain 0.5 0.5 Dishwashing machine, domestic 2.0 2 Kitchen sink, domestic 2.0 2 Sink 2.0 2)/1 4 Floor drains 2.0 6 Service sink 2.0 ~ 2 Total (44.5 DFU) /



WATER DISTRIBUTION ISOMETRIC Scale: N.T.S.





the second se 14/- 12 -INSIDE CAULK PIPE SIZE-CONNECTION AS NOTED (SEE SPEC. FOR ON PLAN JOINING PROCEDURE) FLOOR DRAIN Scale: N.T.S. - CONDENSATE DRAIN AIR HANDLER - CEILING 3/4" MIN. LAV (VERIFY WITH MANUFACTURER) INDIRECT WASTE TO LAVATORY TAILPIECE INDIRECT WASTE UPC-14 NOTE: THE CONDENSATE FROM THE MINI SPLIT UNIT IS PERMITTED TO DISCHARGE INTO TAILPIECE OF A LAVATORY. THE MINI SPLIT UNIT & THE LAVATORY MUST BE UNDER THE SAME CONTROL. THE DISCHARGE TO THE LAVATORY STILL IS CONSIDERED AN INDIRECT WASTE BY MEANS OF AN AIR BREAK. CONDENSATE DISCHARGE Scale: N.T.S.

FLASHING (EXTEND 12" BEYOND

DRAIN IN ALL DIRECTIONS)

CONFORM TO WATERPROOF

MEMBRANE MANUFACTURER.

FLOOR DRAIN, SET

DATA)

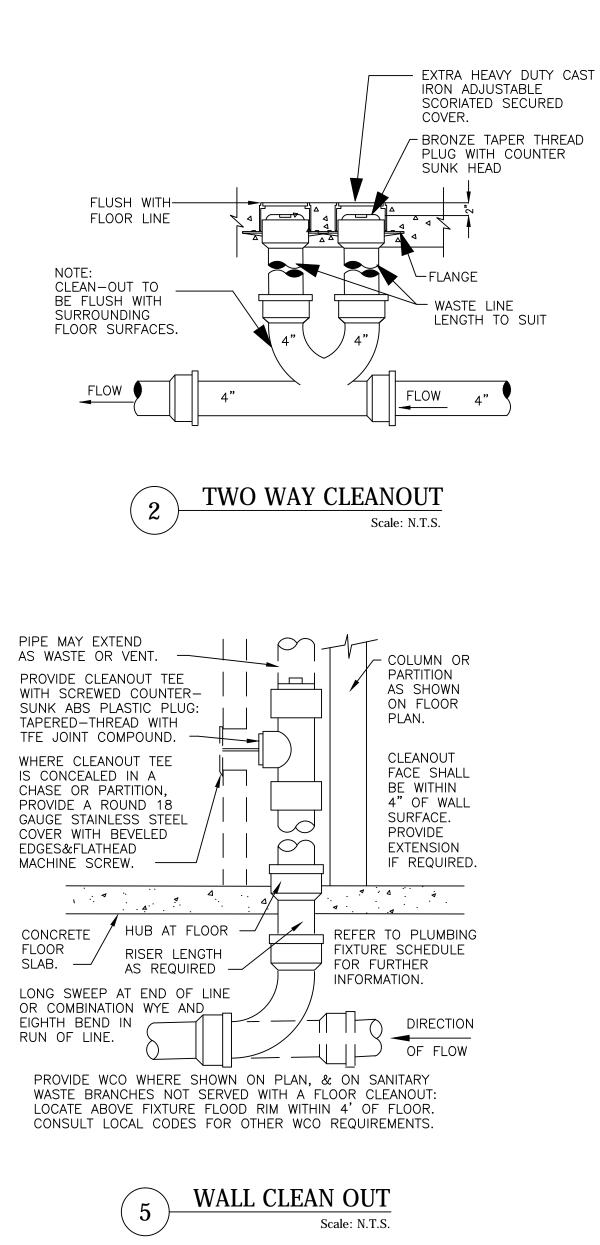
CONCRETE (REFER TO

DRAINAGE SPECIALTIES

STRAINER LEVEL WITH CONCRETE SLAB

PLUMBING GENERAL NOTES:

- 1. ALL WORK TO MEET LOCAL AMENDMENTS, & 2009 INTERNATIONAL PLUMBING CODE. ALL WASTE WATER & VENTS TO BE PVC.
- 3. ALL WATER LINES TO BE COPPER OR AS APPROVED BY OWNER & LOCAL CODE.
- 4. CONTRACTOR TO OBTAIN ALL PERMITS & INSPECTIONS. INSTALL ALL FIXTURES & EQUIPMENT AS PER MANUFACTURER SPECS.
- WATER HEATER TO BE INSTALLED AS PER CODE.
- 7. PROVIDE HEAT TRAP & INSULATION AS PER IECC. 8. PROVIDE WATER HAMMER ARRESTOR WHERE QUICK-CLOSING VALVES ARE UTILIZED AS PER IPC 604.9. KITCHEN SINK, ICE MACHINE, HAND SINK & ANY ADDITIONAL QUICK-CLOSING VALVE FIXTURES TO HAVE WATER HAMMER ARRESTOR.
- 9. PROVIDE TRAP PRIMER FOR ALL FLOOR DRAINS. 10. INSTALL SHUTOFF VALVES AS PER CODE.
- 11. WHEN ACCESSIBLE OPENINGS ARE REQUIRED, THEY SHALL BE A MINIMUM OF 12 INCHES X 12 INCHES IN DIMENSION UNLESS OTHERWISE APPROVED BY THE CODE
- OFFICIAL. 12. PLUMBING FIXTURES INSTALLED ARE REQUIRED TO BE ON THE CURRENT EPA LIST OF WATERSENSE FIXTURES, WITH FLOW RATES AS PER THE IPC & LOCAL
- AMENDMENTS. 13. ALL SANITARY WASTE & VENT PIPING SHALL BE SCHEDULE 40 PVC
- 14. ALL PLUMBING FIXTURES SHALL BE INSTALLED WITH APPROVED BACKFLOW
- PREVENTION DEVICES. 15. NO PIPING SHALL PASS DIRECTLY OVER ELECTRICAL POWER DISTRIBUTION CABINETS. CONTRACTOR TO COORDINATE PANEL LOCATIONS PRIOR TO PIPING INSTALLATION.
- 16. SINGLE RUN OUTS TO PLUMBING FIXTURES SHALL BE THE SAME SIZE AS ON THE PLUMBING FIXTURE SCHEDULE UNLESS OTHERWISE NOTED. 17. ALL DRAINS SHALL BE PROVIDED WITH P-TRAPS.
- 18. INSULATE ALL EXPOSED SUPPLY & DRAIN LINES.
- 19. ALL LAVS AND HAND SINKS TO HAVE MIXING VALVES SET AT 120°F. MIXING VALVES TO COMPLY WITH ASSE 1017 AND IPC SECTION 501



GENERAL FUEL GAS NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2009 INTERNATIONAL FUEL GAS CODE (IFGC) AND LOCAL AMENDMENTS.

2. WHERE MEANS FOR ISOLATION OF VIBRATION OF AN APPLIANCE IS INSTALLED, AN APPROVED MEANS FOR SUPPORT AND RESTRAINT OF THAT APPLIANCE SHALL BE PROVIDED AS PER IFGC SECTION 301.8. APPLIANCES AND SUPPORTS THAT ARE EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND PRESSURE DETERMINED IN IFGC SECTION 301.10. 4. EQUIPMENT AND APPLIANCES SHALL BE INSTALLED AS REQUIRED BY THE TERMS OF THEIR APPROVAL, IN

ACCORDANCE WITH THE CONDITIONS OF LISTING, THE MANUFACTURER'S INSTRUCTIONS AND PER IFGC SECTION 305.1.

5. APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT DISABLING THE FUNCTION OF A FIRE-RESISTANCE-RATED ASSEMBLY OR REMOVING PERMANENT CONSTRUCTION, OTHER APPLIANCES, OR ANY OTHER PIPING OR DUCTS NOT CONNECTED TO THE APPLIANCE BEING INSPECTED, SERVICED, REPAIRED OR REPLACED AS PER IFGC SECTION 306.1. 6. STEEL AND WROUGHT-IRON PIPE SHALL BE AT LEAST OF STANDARD WEIGHT (SCHEDULE 40) AS PER SECTION 403.4.2 OF THE IFGC AND SHALL COMPLY WITH ONE OF THE FOLLOWING STANDARDS: ASME B36.10, 10M; ASTM A 53/A53M; OR ASTM A 106.

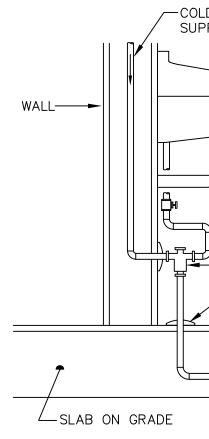
7. PIPE DESIGNED ACCORDING TO TABLE 402.4(3) IN THE 2012 IFGC. ASSUMING AN INLET PRESSURE OF 2.0 PSI. ALL PIPE SHALL BE PAINTED YELLOW. 8. ALL MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE STANDARDS UNDER WHICH THE

MATERIALS ARE ACCEPTED AND APPROVED AS PER IFGC SECTION 404.1. 9. SHUTOFF VALVES SHALL BE LOCATED IN PLACES SO AS TO PROVIDE ACCESS FOR OPERATION AND SHALL

BE INSTALLED SO AS TO BE PROTECTED FROM DAMAGE AS PER IFGC SECTION 409.1.3. 10. IN MULTIPLE TENANT BUILDINGS, WHERE A COMMON PIPING SYSTEM IS INSTALLED TO SUPPLY OTHER THAN ONE AND TWO-FAMILY DWELLINGS, SHUTOFF VALVES SHALL BE PROVIDED FOR EACH TENANT. EACH TENANT SHALL HAVE ACCESS TO THE SHUTOFF VALVE SERVING THAT TENANT'S SPACE AS PER IFGC SECTION 409.3.1.

11. A LISTED SHUTOFF VALVE SHALL BE INSTALLED IMMEDIATELY AHEAD OF EACH MEDIUM PRESSURE REGULATOR AS PER IFGC SECTION 409.4.

12. EACH APPLIANCE SHALL BE PROVIDED WITH A SHUTOFF VALVE AS PER IFGC SECTION 409.5. 13. A LINE PRESSURE REGULATOR SHALL BE INSTALLED WHERE THE APPLIANCE IS DESIGNED TO OPERATE AT A LOWER PRESSURE THAN THE SUPPLY PRESSURE. LINE GAS PRESSURE REGULATORS SHALL BE LISTED AS COMPLYING WITH ANSI Z21.80. ACCESS SHALL BE PROVIDED TO PRESSURE REGULATORS AND SHALL BE PROTECTED FROM PHYSICAL DAMAGE. REGULATORS INSTALLED ON THE EXTERIOR OF THE BUILDING SHALL BE APPROVED FOR OUTDOOR INSTALLATION AS PER IFGC SECTION 410.1.





	REV.	DESCRIPTION UPDATED FIXTURES IN PLUMBING SPECIFICATIONS.	REVISIONS: 1. 11–17–14
<complex-block></complex-block>	-		MAIN OFFICE M & S BRANCH OFFICE P.O. BOX 970 SPRING BRANCH, TEXAS 78070 PHONE # (830) 228–5446 FAX # (830) 885–2170 PHONE # (830) 885–2170 FAX # (830) 885–2170 ENGINEERING, L.L.C. ENGINEERING, L.L.C. ENGINEERING, L.L.C. ENGINEERING, L.L.C.
ECIFICATIONS RIMER Z1022 RAP PRIMER TO BE SANI-GARD AUTOMATIC TRAP PRIMER, ALL BRONZE BODY WITH INTEGRAL VACUUM BI TERNAL OPERATING ASSEMBLY WITH, GASKETED BRONZE COVER. ORAIN ZN415J .OOR DRAIN TO BE DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE ME DJUSTABLE COLLAR WITH SEEPAGE SLOTS AND "TYPE J" POLISHED, NICKEL BRONZE RECTANGULAR, LIGH IRAINER. DRAINS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 412. EANOUT Z1446	MBRANE CLAMP AN	D	JONATHAN J. HOUSTON 114647 CENSED 11.10.14 11.10.14 SOUNAL ENGINE 11.10.14 SOUNAL ENGINE
ALL CLEANOUT TO BE CLEANOUT TEE, DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPE DUND, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW. PANEL Z1461 CCESS PANEL TO BE SQUARE HINGED DURA-COATED CAST IRON SCORIATED SECURED ACCESS PANEL AI JGS. SET FLUSH WITH WALL OR FLOOR FOR LIGHT-DUTY APPLICATIONS. IK BASIN Z1996-24 OP SERVICE BASIN TO BE 24 X 24 X 10 [610 X 610 X 254] MOLDED HIGH DENSITY COMPOSITE BASI FAINLESS STEEL STRAINER AND 3 [76] GASKETED OUTLET CONNECTION. CERTIFICATIONS: MEETS ANSI Z1 PMO LISTED UNDER FILE # 3561. SINKS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 IK FAUCET Z1996-SF ERVICE SINK FAUCET - CHROME PLATED SERVICE FAUCET, COMPLETE WITH VACUUM BREAKER, INTEGRAL RACE, PAIL HOOK, FOUR-ARM HOT AND COLD HANDLES AND 3/4 [19] HOSE THREAD ON SPOUT. WATEI 3] PIPE AND ARE ECCENTRIC ON AN 8 [203] CENTERLINE. DWG. NO. 58519 PRODUCT NO. Z1996-SF SME A112.18.1-2005/CSA B125.1-2005. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SE STAID STATUS TO SATOR PLATED CAST BRASS (COPPER ALLOY) BODY P-TRAP WITH CLEANOUT, TUBULAF	ND FRAME WITH AN IN, PVC DRAIN BOD 24.6, CSA LISTED,A 118. STOPS, ADJUSTABI R INLETS ARE FOR NOTE: CONFORMS SECTION 424.	CHOR Y, ND LE WALL 1/2 TO:	GUADALUPE COUNT LUBE CENTER SEGUIN, TEXAS PLUMBING DETAILS/NOTE
PECIFIED, DIE-CAST_NUTS, AND SHALLOW ESCUTCHEON WITH COMPRESSION INLET LET MERICAN STANDARD 2333.100 CADET PRESSURE-ASSISTED TOILET WITH OPEN FRONT SEAT LESS COVER. WATER CLOSETS TO COMF PLUMBING CODE SECTION 420. LET CAN STANDARD 215FA.004 W/ 4188B.005 DA COMPLIANT, CADET PRO COMPACT RIGHT HEIGHT ELONGATED TOILET. WATER CLOSETS TO COMPLY WIT- UMBING CODE SECTION 420. RY ERICAN STANDARD LAVATORY VATORY THAT MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE ND FACILITIES-CHECK LOCAL CODES. LAVATORIES TO COMPLY WITH INTERNATIONAL PLUMBING CODE SEC RY FAUCETS ERICAN STANDARD LAVATORY FAUCET U/CET THAT MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND CILITIES-CHECK LOCAL CODES. FAUCET AND COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 CILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 CILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 CILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 CILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 CILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 CILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 CILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 CILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 CILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 CILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 CILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4	TH INTERNATIONAL AND USABLE BUILD CTION 416. ND USABLE BUILDIN 24.	INGS GS AND	JOB: 2513GUADC.001 DATE: MAY 2014 SCALE: AS NOTED ENG BY: B. MEUTH CHK BY: T. SIMS DWN BY: C. LEMAIRE NOTES:
NK THAT MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND ACILITIES-CHECK LOCAL CODES. SINKS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 418. AUCETS ERICAN STANDARD FAUCET AUCET THAT MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AN ACILITIES-CHECK LOCAL CODES. FAUCETS TO COMPLY WITH INTERNATIONAL PLUMBING CODE SECTION 4 ITH FOOT PEDALS (AY EWS312QEC W/ EWS312Q NK THAT MEETS ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES-CHECK LOCAL CODES ITH INTERNATIONAL PLUMBING CODE SECTION 418. TERIALS TO BE AS LISTED OR EQUALLY RATED. HER MATERIALS TO COMPLY WITH THE INTERNATIONAL PLUMBING CODE AND APPLICABLE BUILDING CODE ACTOR TO VERIFY FINAL FIXTURE SELECTION WITH ARCHITECT PRIOR TO ORDERING	ND USABLE BUILDIN 24. S. SINKS TO COMP	GS AND	sheet: P9

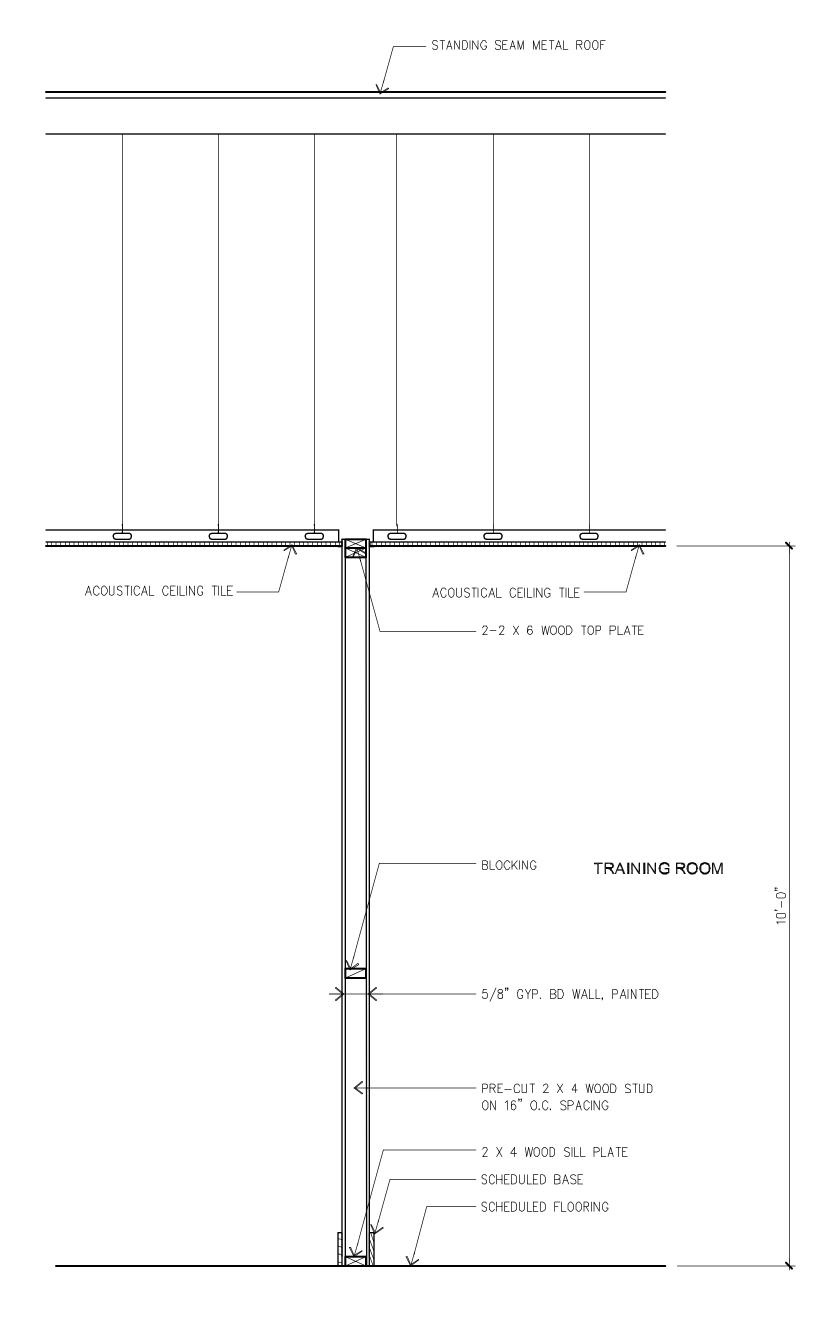
REVISIONS:

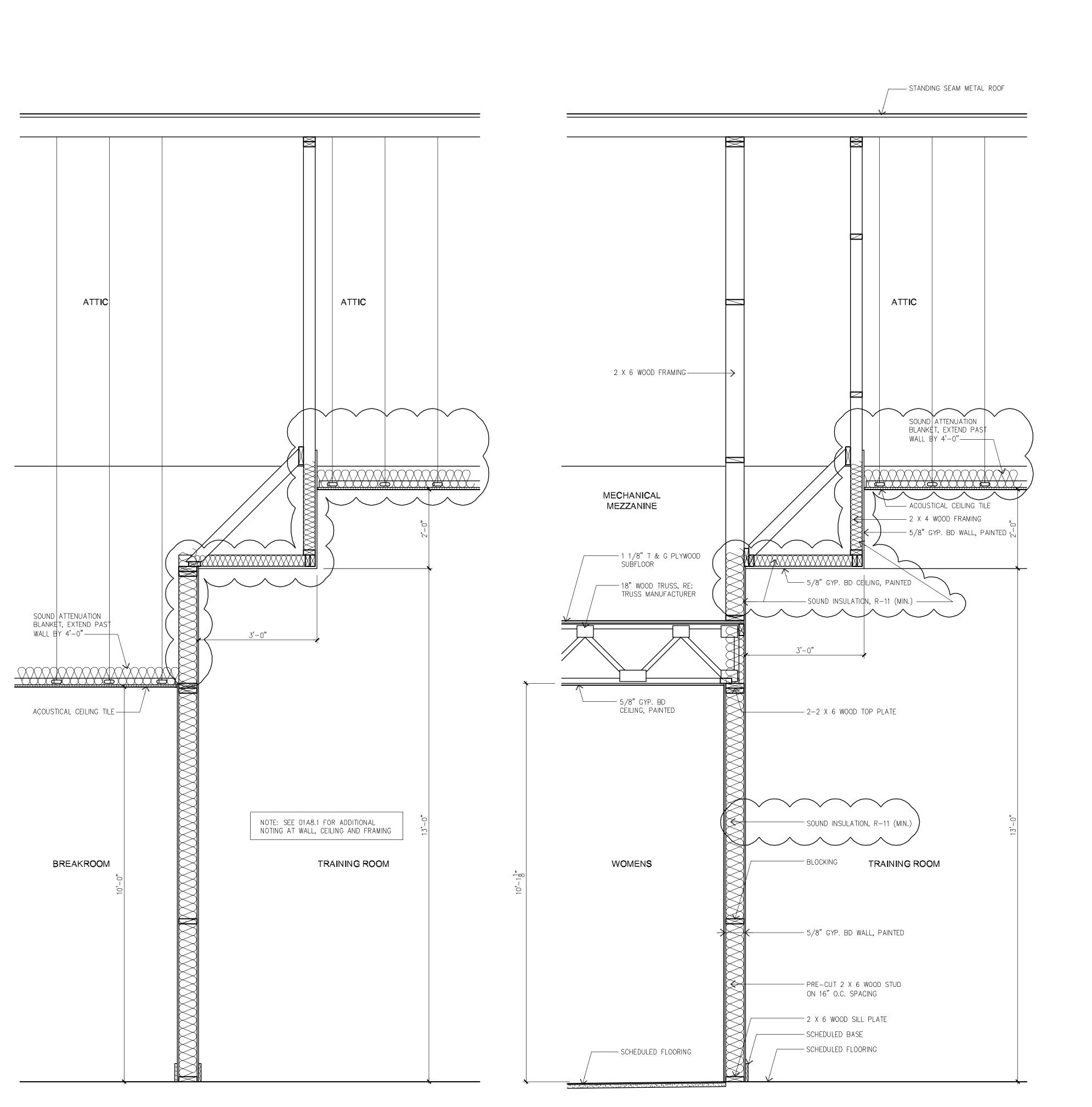
PLUMBING SPEC

1. TRAP PRIM

- 1.1. ZURN 2
- 1.1.1. TRAF INTE 2. FLOOR DR 2.1. ZURN 2
- 2.1.1. FLO ADJI STR 3. WALL CLEA
- 3.1. ZURN Z 3.1.1. WAL ROI
- 4. ACCESS F 4.1. ZURN 2 4.1.1. ACC
- 100 5. MOP SINK 5.1. ZURN Z
- 5.1.1. MOP STAI IAPN 6. MOP SINK
- 6.1. ZURN Z 6.1.1. SER
 - BRA [13]
 - ASM
- 7. P-TRAPS 7.1. ZURN 2 7.1.1. P-T
- 8. W.C. TOILE 8.0.1. AME
- 8.0.1.1.
- 9. W.C. TOILE 9.1. AMERICA
- 9.1.1. ADA 10. LAVATORY
- 10.1. AMER 10.1.1. LAVA
- AN 11. LAVATORY 11.1. AMER
- 11.1.1. FAU FACI 12. SINK 12.1. AMER
- 12.1.1. SINK FAC 13. SINK FAL
- 13.1. AMER
- 13.1.1. FAU FACI 14. SINK WIT
- 14.1. ELKA)
- 14.1.1. ŠINI
- WIT 15. ALL MATE
- 16. ALL OTHE 17. CONTRAC

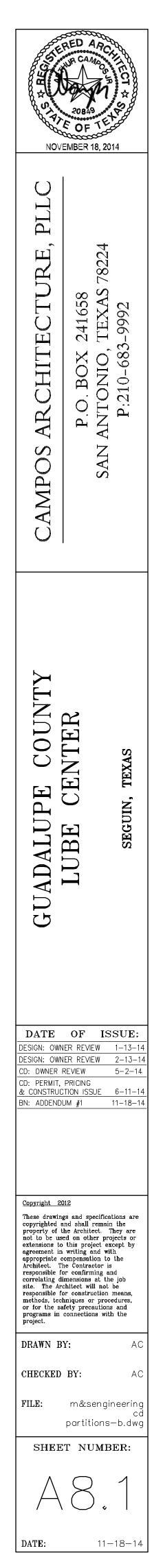
03 | WALL PARTITION C SCALE: 3/4" = 1'-0"

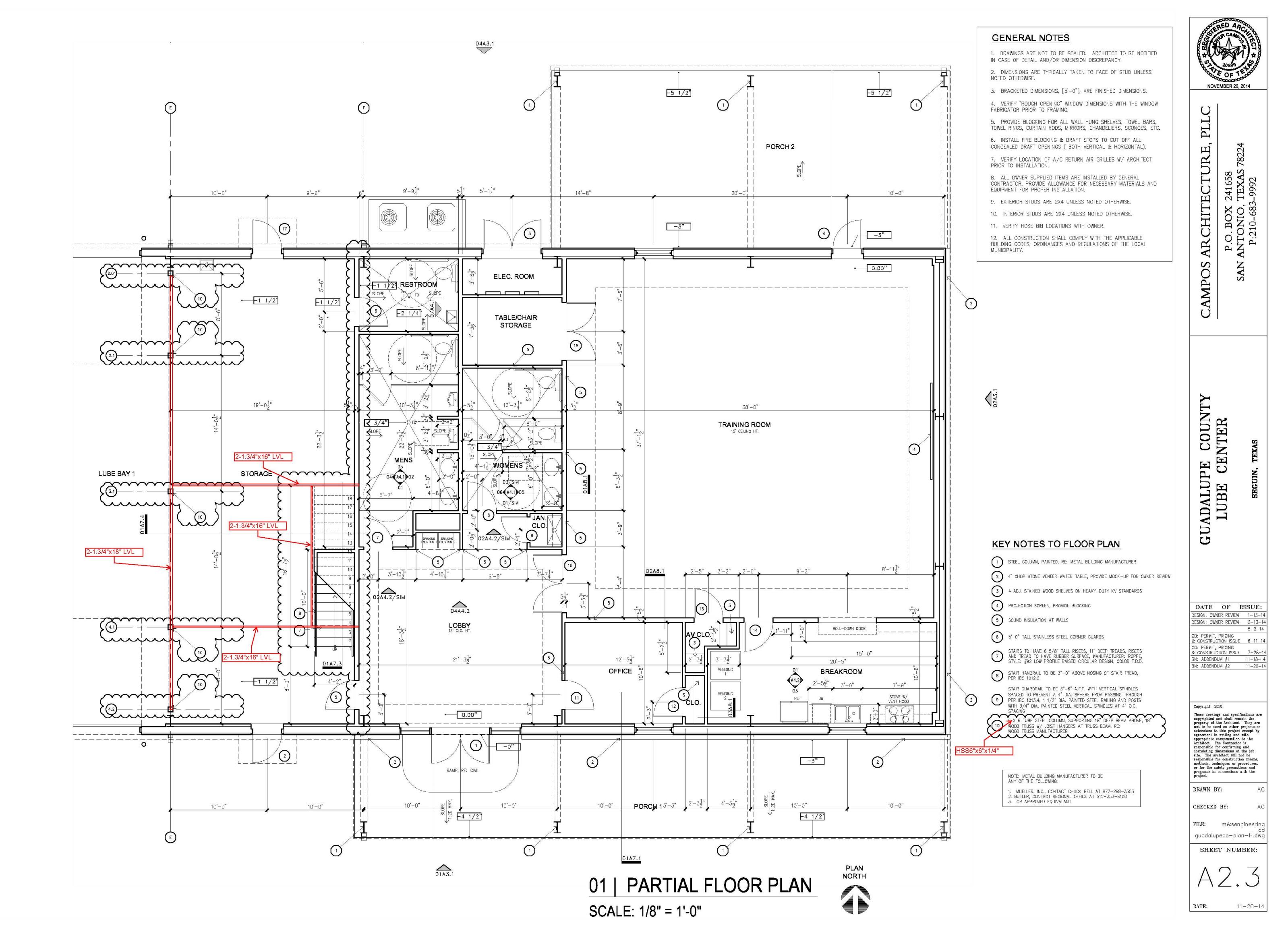


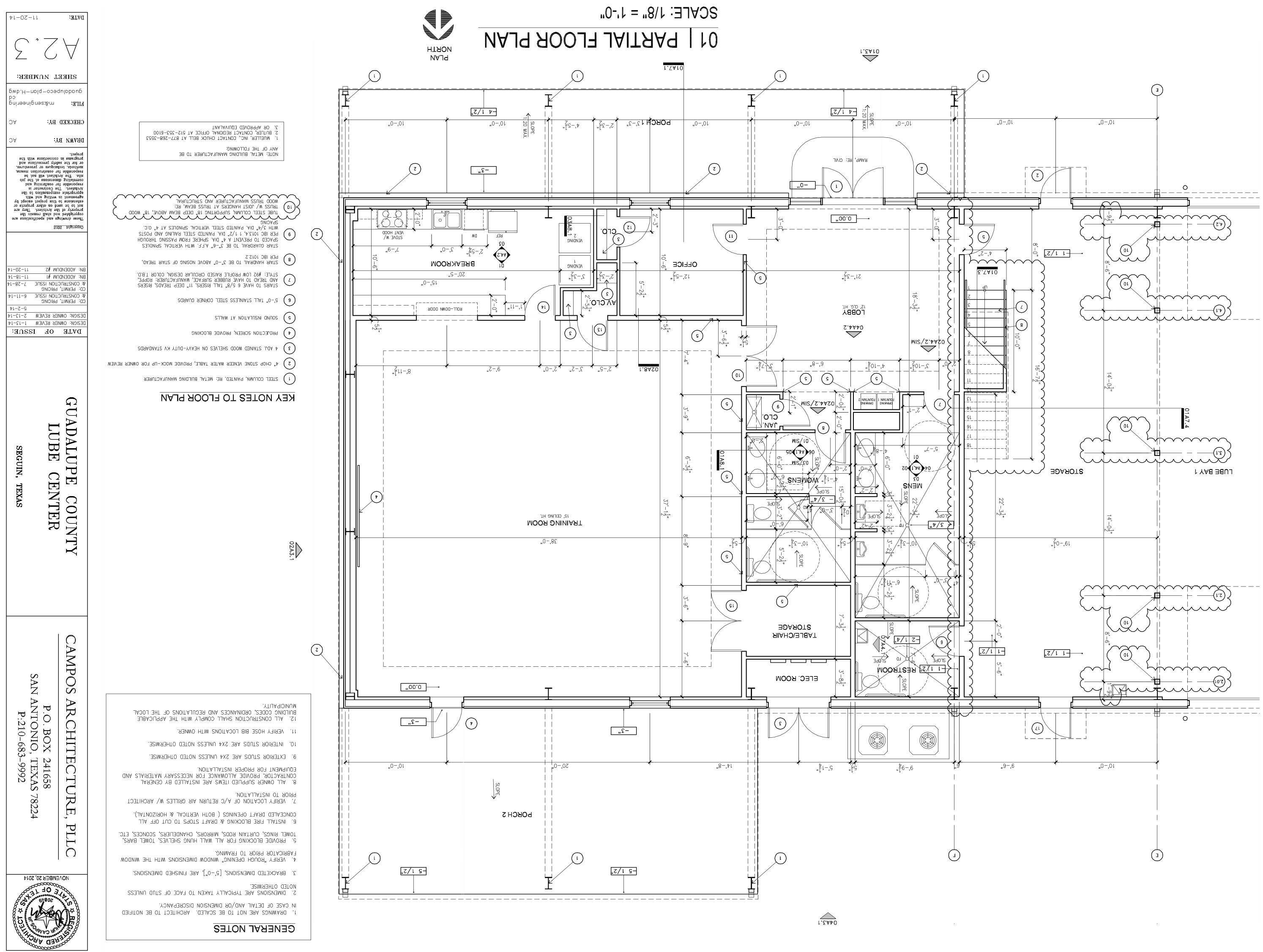


02 | WALL PARTITION B SCALE: 3/4" = 1'-0"

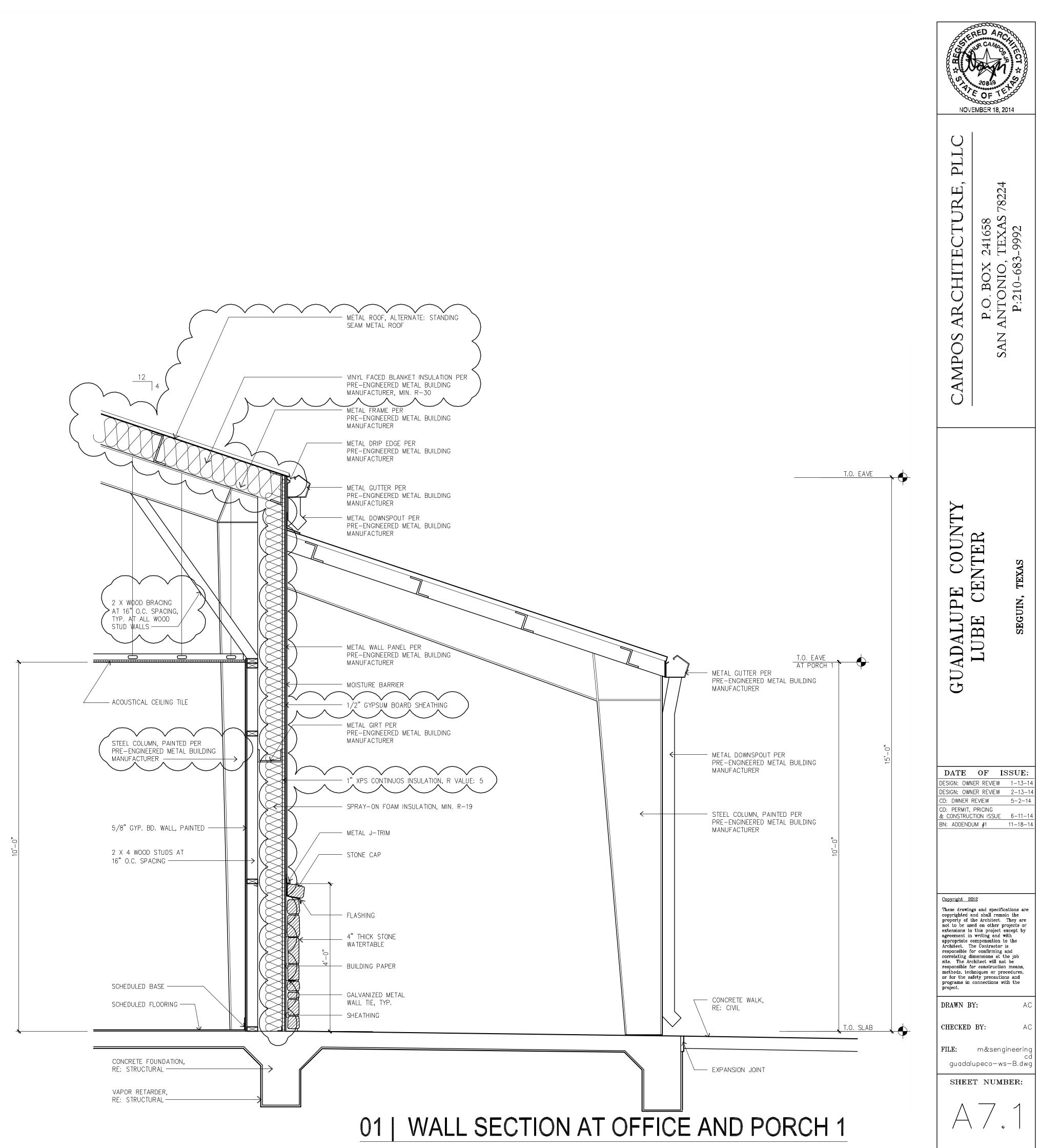
01 | WALL PARTITION A SCALE: 3/4" = 1'-0"







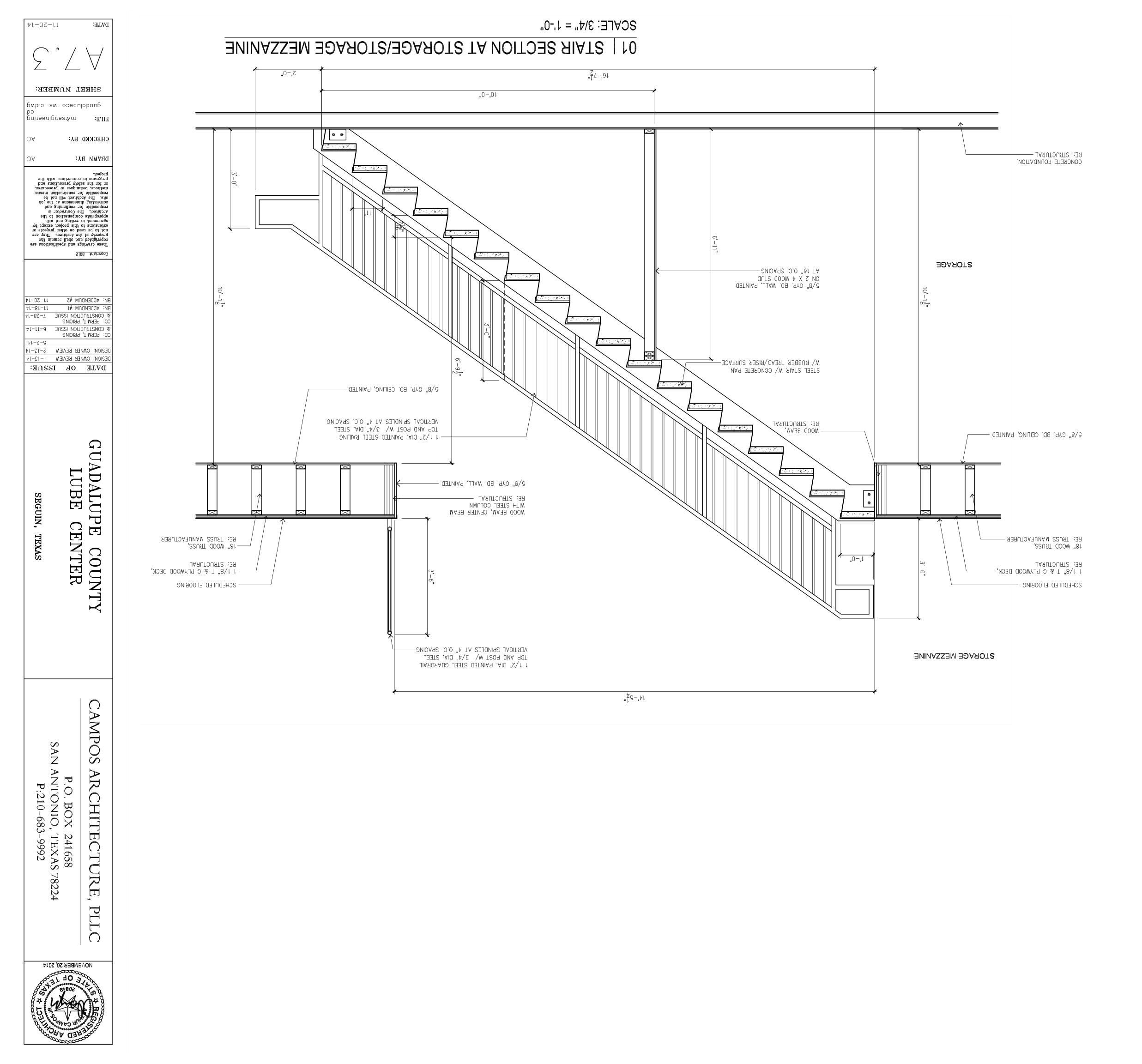
BINDING



SCALE: 3/4" = 1'-0"

DATE:

11-18-14



BINDING

