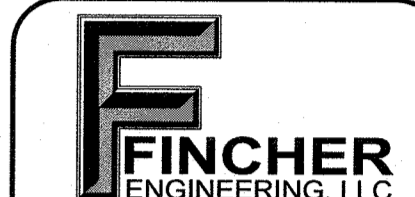


CLINTON W. FARRIS #28983
DATE SIGNED: 1-28-22

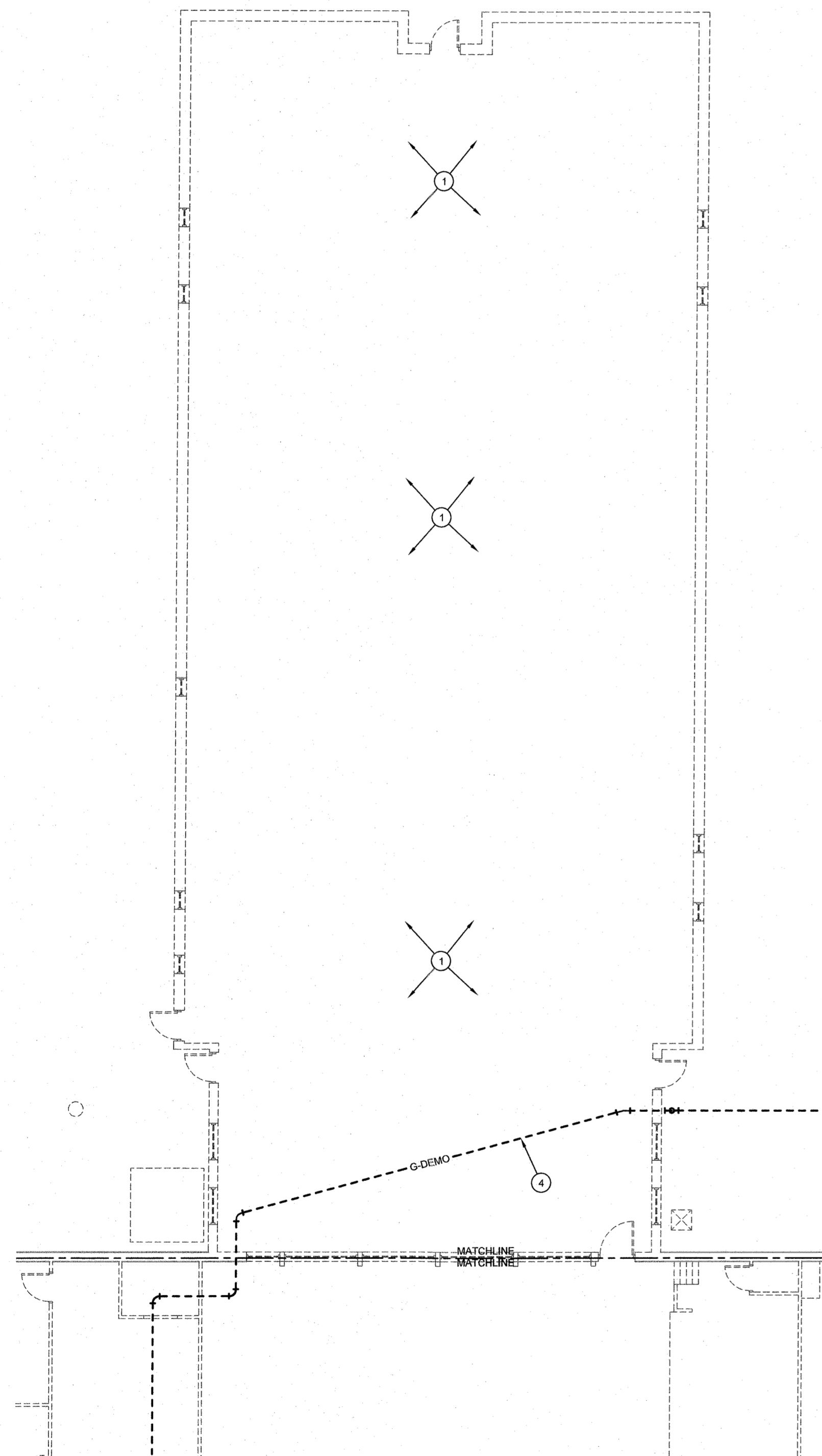


ESTABLISHED 1962
ARCHITECTS PROGRAMMERS PLANNERS
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: 940.767.1421 FAX: 940.397.0273
WEB: www.hpa1962.com



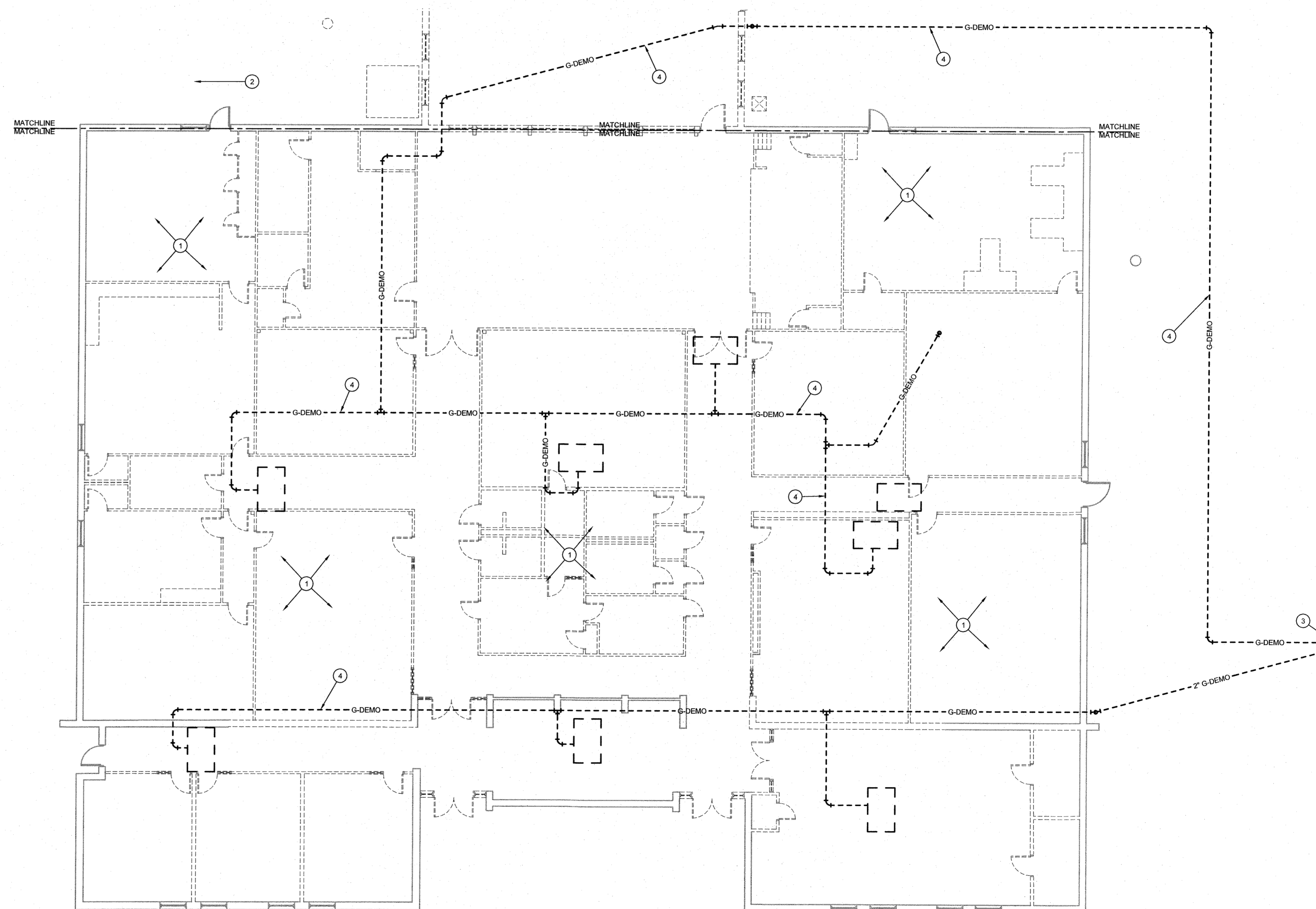
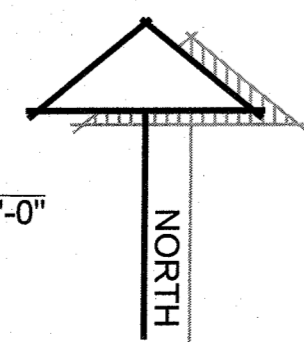
FINCHER ENGINEERING, LLC
FINCHER ENGINEERING, LLC
TX FIRM #F-16408
5621 114TH ST., SUITE 100
LUBBOCK, TX 79424
PH: 806-701-5109
WWW.FINCHERENG.COM

GENERAL NOTES	KEYED NOTES
A. VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, PLUMBING FIXTURES, AND PIPING AT THE JOBSITE.	1. REMOVE ALL EXISTING PLUMBING FIXTURES AND PLUMBING SYSTEMS THROUGHOUT EXISTING BUILDING. REMOVE ALL OVERHEAD WASTE, VENT, GAS AND WATER LINES COMPLETELY BACK TO SOURCE OR BELOW SLAB AND CAP. COMPLETELY REMOVE SERVICE AND CAP. REMOVE SEWER/WASTE LINES BACK TO BELOW SLAB AND PLUG.
B. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL OPERATIONAL SYSTEMS. ANY EXISTING SYSTEMS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR.	2. REMOVE EXISTING GREASE TRAP AND ALL ASSOCIATED PIPING.
C. FOR ALL ITEMS NOTED TO BE REMOVED, REMOVE ALL ASSOCIATED ITEMS INCLUDING INSULATION, HANGERS, ETC. IF REMOVED PIPING PENETRATES ANY WALLS OR ROOFS TO REMAIN THEN PATCH EXISTING WALL OR ROOF AS REQUIRED TO MATCH EXISTING CONSTRUCTION.	3. REMOVE AND REPLACE EXISTING GAS METER AS DIRECTED BY LOCAL GAS COMPANY. REMOVE ALL GAS LINES SERVING THE RENOVATED AND DEMO BUILDINGS BACK TO THIS POINT.
D. REMOVE/ABANDON EXISTING SEWER SERVICES OUTSIDE OF BUILDING. PLUG ALL OPEN SECTIONS WHERE ABANDONED.	4. REMOVE ALL ROOF MOUNTED GAS PIPING, SHOWN DASHED.
E. SAWCUT EXISTING FLOOR SLAB AS REQUIRED TO INSTALL ALL NEW BELOW SLAB SEWER AND WASTE LINES. PATCH AND REPAIR SLAB AS DIRECTED BY ARCHITECT.	
F. CONTRACTOR SHALL COORDINATE ALL PLUMBING DISCONNECTIONS AND INTERRUPTIONS WITH BUILDING OWNER. VERIFY EXACT SCHEDULE AND PHASING WITH ARCHITECT AND OWNER. REFER TO ARCHITECTURAL PHASING PLAN.	



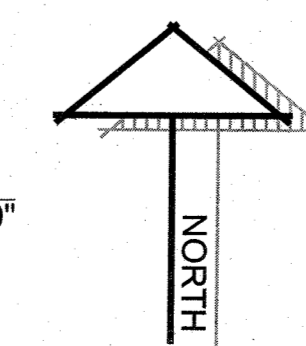
FLOOR PLAN - NORTH
PLUMBING DEMOLITION

SCALE: 3/32" = 1'-0"



FLOOR PLAN - SOUTH - PLUMBING DEMOLITION

SCALE: 3/32" = 1'-0"



ADDITIONS AND RENOVATIONS TO THE
GORDON I.S.D. CAMPUS
FOR GORDON I.S.D.

GORDON, TEXAS 76453

112 RUSK STREET

DRAWN BY: FINCHER

DATE: 28 JULY 2022

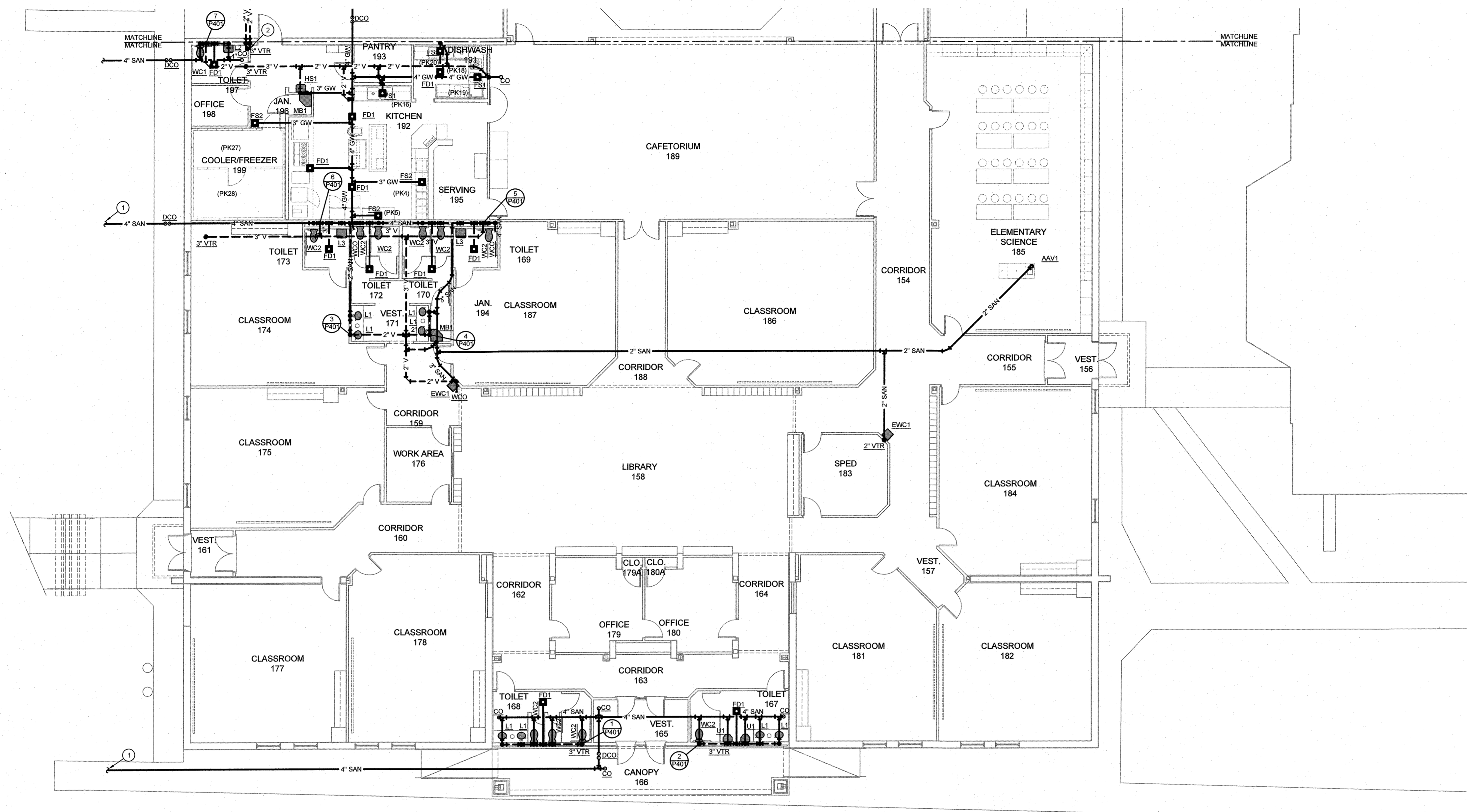
REVISIONS		
NO.	DESCRIPTION	DATE

PROJECT NO.

20864.00

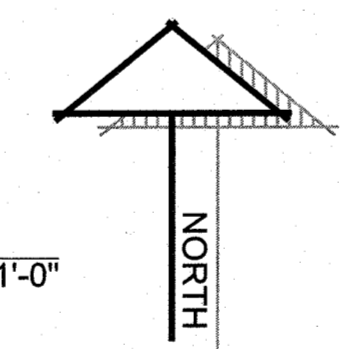
SHEET NO.

PD101

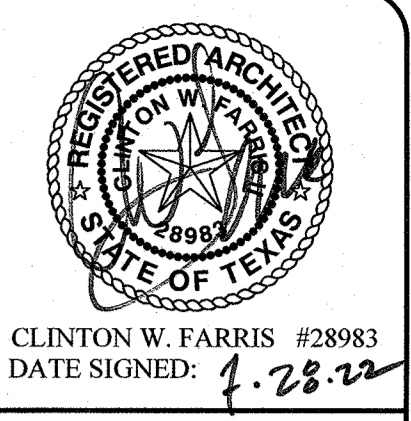
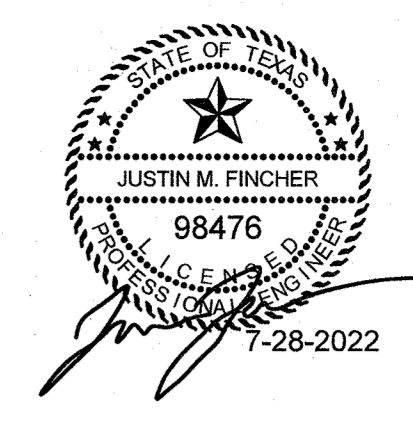


**FLOOR PLAN - ELEMENTARY - PLUMBING
SEWER, WASTE, AND VENT**

SCALE: 3/32" = 1'-0"



GENERAL NOTES	KEYED NOTES
<p>A. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.</p> <p>B. VERIFY EXACT LOCATION OF ALL UTILITIES AND PIPING AT THE JOBSITE. CONTRACTOR SHALL VERIFY EXACT PLUMBING SYSTEMS PRIOR TO BID.</p> <p>C. CONTRACTOR SHALL COORDINATE ALL PLUMBING DISCONNECTIONS AND INTERRUPTIONS WITH BUILDING OWNER. VERIFY EXACT SCHEDULE WITH ARCHITECT AND OWNER.</p> <p>D. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL VTR'S WITH CONDITIONS AT JOBSITE. NO VTR SHALL BE INSTALLED WITH IN 15' OF ANY OUTSIDE AIR INTAKE.</p> <p>E. MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.</p> <p>F. REFER TO PLUMBING KITCHEN EQUIPMENT SCHEDULE ON SHEET P501 FOR ALL CONNECTION REQUIREMENTS (PKF'S) AND RUNOUT SIZES.</p> <p>G. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL OPERATIONAL SYSTEMS. ANY EXISTING SYSTEMS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR.</p> <p>H. REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE FOR RUNOUT LINE SIZES TO INDIVIDUAL FIXTURES WHERE LINE SIZES ARE NOT INDICATED ON FLOOR PLAN.</p> <p>I. SAWCUT EXISTING FLOOR SLAB AS REQUIRED TO INSTALL ALL NEW BELOW SLAB SEWER AND WASTE LINES. PATCH AND REPAIR SLAB AS DIRECTED BY ARCHITECT.</p> <p>J. CONTRACTOR SHALL COORDINATE ALL PLUMBING DISCONNECTIONS AND INTERRUPTIONS WITH BUILDING OWNER. VERIFY EXACT SCHEDULE AND PHASING WITH ARCHITECT AND OWNER. REFER TO ARCHITECTURAL PHASING PLAN.</p> <p>K. BACK-TO-BACK WATER CLOSETS SHALL NOT BE PLUMBED USING TEE/CROSS FITTING AND EACH WATER CLOSET SHALL CONNECT TO SEWER LINE SEPARATELY. REFER TO RISER DIAGRAMS.</p>	<p>1. REFER TO CIVIL FOR CONTINUATION OF 4" SEWER LINE ON SITE.</p> <p>2. TWO 2" VENT LINES FROM GREASE TRAP. TURN VENT LINES UP SEPARATELY TO ABOVE CEILING THEN COMBINE INTO SINGLE 3" VENT THRU ROOF.</p>



HPA
ESTABLISHED 1962
ARCHITECTS PROGRAMMERS PLANNERS
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: 940.767.1421 FAX: 940.397.0273
WEB: www.hpa1962.com

FINCHER
ENGINEERING, LLC
FINCHER ENGINEERING, LLC
TX FIRM # - 16408
5621 114TH ST., SUITE 100
LUBBOCK, TX 79424
PH: 806-701-5109
WWW.FINCHERENG.COM

ADDITIONS AND RENOVATIONS TO THE
GORDON I.S.D. CAMPUS
 FOR GORDON I.S.D.
 112 RUSK STREET
 GORDON, TEXAS 76453

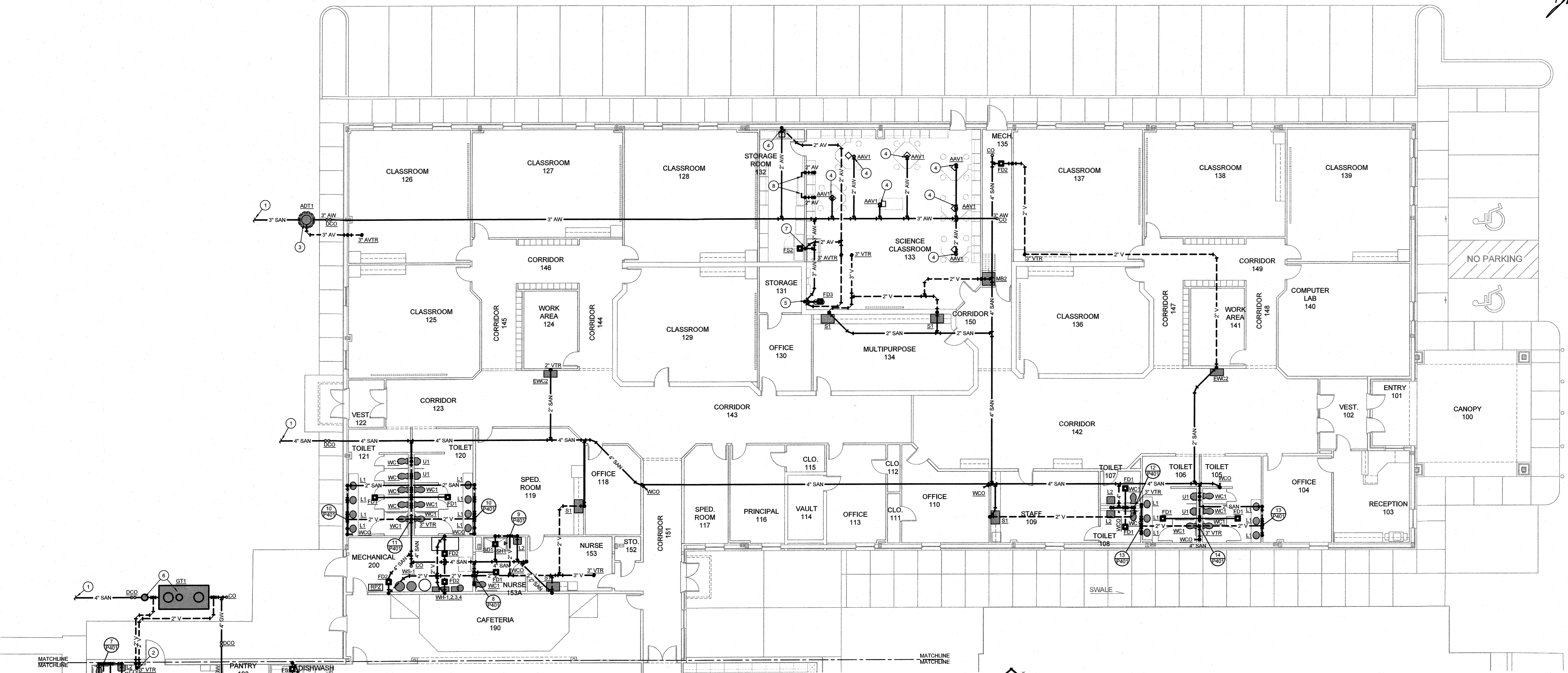
DRAWN BY: FINCHER		
DATE: 28 JULY 2022		
REVISIONS		
NO.	DESCRIPTION	DATE
PROJECT NO. 20864.00		
SHEET NO. P101		



CLINTON W. FARRIS #28983
DATE SIGNED: 4-26-22

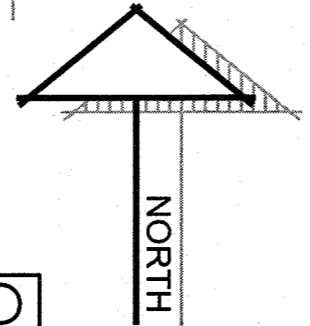
HPA
ESTABLISHED 1962
ARCHITECTS - PROGRAMMERS - PLANNERS
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76702-3599
VOICE: 940.767.1421 FAX: 940.397.0273
WEB: www.hpa1962.com

FINCHER
ENGINEERING, LLC
FINCHER ENGINEERING, LLC
TX FIRM #F-16408
5621 114TH ST., SUITE 100
LUBBOCK, TX 79424
PH: 806-701-3109
WWW.FINCHERENG.COM



**FLOOR PLAN - SECONDARY - PLUMBING
SEWER, WASTE AND VENT**

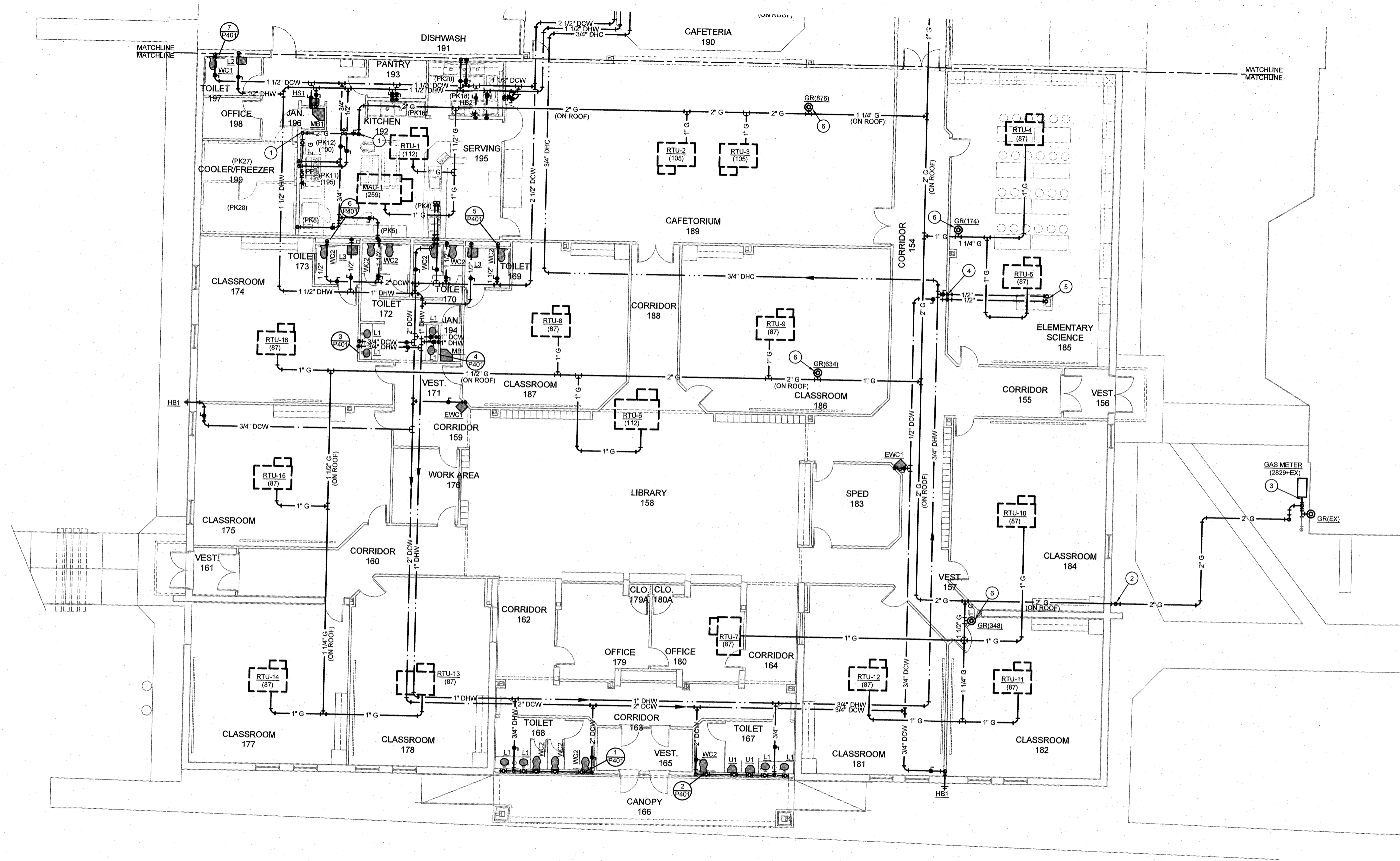
SCALE: 3/32" = 1'-0"



GENERAL NOTES	KEYED NOTES
A. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.	1. REFER TO CIVIL FOR CONTINUATION OF 4" SEWER LINE ON SITE.
B. VERIFY EXACT LOCATION OF ALL UTILITIES AND PIPING AT THE JOBSITE. CONTRACTOR SHALL VERIFY EXACT PLUMBING SYSTEMS PRIOR TO BID.	2. TWO 2" VENT LINES FROM GREASE TRAP. TURN VENT LINES UP SEPARATELY TO ABOVE CEILING THEN COMBINE INTO SINGLE 3" VENT THRU ROOF.
C. CONTRACTOR SHALL COORDINATE ALL PLUMBING DISCONNECTIONS AND INTERRUPTIONS WITH BUILDING OWNER. VERIFY EXACT SCHEDULE WITH ARCHITECT AND OWNER.	3. NEW ACID DILUTION TANK. REFER TO DETAIL.
D. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL VTR'S WITH CONDITIONS AT JOBSITE. NO VTR SHALL BE INSTALLED WITH IN 15' OF ANY OUTSIDE AIR INTAKE.	4. TURN 2" WASTE LINE UP TO SERVE SCIENCE LAB EQUIPMENT. CONNECT TO EQUIPMENT AS DIRECTED BY MANUFACTURER. AT ISLAND SINKS PROVIDE THE SPECIFIED CHEMICAL WASTE AIR ADMITTANCE VALVE INSTALLED AS PER MANUFACTURER REQUIREMENTS.
E. MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.	5. 3" WASTE LINE TO SERVE FLOOR DRAIN BELOW SHOWER ALONG WITH 2" WASTE LINE UP IN WALL TO SERVE THE EYEWASH DRAIN ON FIXTURE. CONNECT TO DRAIN OUTLET AT BOTTOM OF EMERGENCY SHOWER RISER AND EXTEND PIPE INTO WALL AND PROVIDE P-TRAP AND VENT INSIDE WALL.
F. REFER TO PLUMBING KITCHEN EQUIPMENT SCHEDULE ON SHEET P501 FOR ALL CONNECTION REQUIREMENTS (PK'S) AND RUNOUT SIZES.	6. 1500 GALLON GREASE TRAP. REFER TO DETAIL. INSTALL SAMPLE PORT IN DISCHARGE LINE FROM GREASE TRAP. REFER TO DETAIL.
G. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL OPERATIONAL SYSTEMS. ANY EXISTING SYSTEMS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR.	7. 3" ACIDE WASTE LINE TO SERVE FLOOR SINK AND TURN UP 2" AW LINE UP TO SERVE CUP SINK INSIDE OF FUME HOOD. PROVIDE P-TRAP AND VENT FROM EACH THEN COMBINE VENTS ABOVE FUME HOOD CUP SINK FLOOR RIM. CONTINUE UP WITH 2" AV PIPE IN WALL TO ABOVE CEILING. CONNECT TO HOOD AS DIRECTED BY HOOD MANUFACTURER.
H. REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE FOR RUNOUT LINE SIZES TO INDIVIDUAL FIXTURES WHERE LINE SIZES ARE NOT INDICATED ON FLOOR PLAN.	8. 2" ACID WASTE CONNECTED TO BOTH SIDES OF FLAMMABLE CHEMICAL STORAGE CABINET, ELBOW LINES TO WALL THEN TURN UP IN WALL THEN EXTEND UP THROUGH TO 2" VENT TERMINATED MINIMUM 12" ABOVE ROOF WITH TWO 90 DEGREE ELBOWS TO FACE DOWN TO ROOF AND COVER OPENING WITH INSECT SCREEN.
I. SAWCUT EXISTING FLOOR SLAB AS REQUIRED TO INSTALL ALL NEW BELOW SLAB SEWER AND WASTE LINES. PATCH AND REPAIR SLAB AS DIRECTED BY ARCHITECT.	
J. CONTRACTOR SHALL COORDINATE ALL PLUMBING DISCONNECTIONS AND INTERRUPTIONS WITH BUILDING OWNER. VERIFY EXACT SCHEDULE AND PHASING WITH ARCHITECT AND OWNER. REFER TO ARCHITECTURAL PHASING PLAN.	
K. BACK-TO-BACK WATER CLOSETS SHALL NOT BE PLUMBED USING TEE/CROSS FITTING AND EACH WATER CLOSET SHALL CONNECT TO SEWER LINE SEPARATELY. REFER TO RISER DIAGRAMS.	

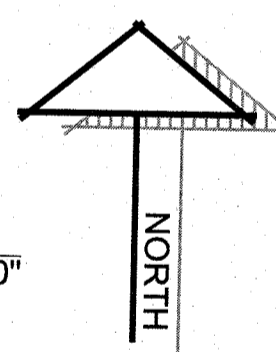
ADDITIONS AND RENOVATIONS TO THE
GORDON I.S.D. CAMPUS
 FOR GORDON I.S.D.
 112 RUSK STREET
 GORDON, TEXAS 76453

DRAWN BY: FINCHER		
DATE: 28 JULY 2022		
REVISIONS		
NO.	DESCRIPTION	DATE
PROJECT NO. 20864.00		
SHEET NO. P102		

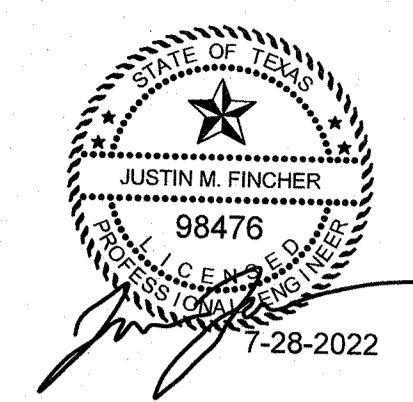


**FLOOR PLAN - ELEMENTARY - PLUMBING
DOMESTIC WATER AND GAS**

SCALE: 3/32" = 1'-0"



GENERAL NOTES	KEYED NOTES
<p>A. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.</p> <p>B. VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, PLUMBING FIXTURES, AND PIPING AT THE JOBSITE.</p> <p>C. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL OPERATIONAL SYSTEMS. ANY EXISTING SYSTEMS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR.</p> <p>D. PRIME AND PAINT ALL EXTERIOR GAS LINES AS REQUIRED BY ARCHITECT. ALL ROOF MOUNTED GAS LINES SHALL BE PRIMED TO PROTECT FROM RUSTING.</p> <p>E. MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.</p> <p>F. PROVIDE CEILING MOUNTED ACCESS DOORS TO ACCESS ANY VALVES THAT ARE INSTALLED ABOVE INACCESSIBLE CEILINGS.</p> <p>G. REFER TO PLUMBING KITCHEN EQUIPMENT SCHEDULE ON SHEET P501 FOR ALL CONNECTION REQUIREMENTS (PK#S) AND RUNOUT SIZES.</p> <p>H. REFER TO PLUMBING FIXTURE SCHEDULE FOR RUNOUT LINE SIZES TO INDIVIDUAL FIXTURES WHERE LINE SIZES ARE NOT INDICATED ON FLOOR PLAN.</p> <p>I. LAVATORIES MUST BE PROVIDED WITH SPECIFIED FAUCET WITH ANTI-SCALD DEVICE OR ALTERNATE FAUCETS SHALL BE PROVIDED WITH POINT-OF-USE MIXING VALVE BELOW ALL LAVATORIES AND HAND SINKS AND SET TO PROVIDE MAXIMUM OF 100°F WATER TO HOT WATER SIDE OF ALL FAUCETS. VERIFY MOUNTING LOCATION OF MIXING VALVE WITH OWNER AND WITH ADA CLEARANCE. MIXING VALVE SHALL BE EQUAL TO BRADLEY S56.</p>	<p>1. TURN 2" GAS LINE DOWN THRU ROOF. ROUTE THROUGH MANUAL VALVE THEN THROUGH SOLENOID VALVE CONNECTED TO HOOD FIRE SUPPRESSION SYSTEM. CONTINUE LINE TO WALL AND TURN DOWN AGAINST WALL TO SERVE KITCHEN EQUIPMENT BELOW HOOD. PROVIDE 6" DIRT LEG AT BOTTOM OF RISER AND PROVIDE 2" GAS HEADER BEHIND EQUIPMENT. PROVIDE TAP (REFER TO PLUMBING KITCHEN EQUIPMENT SCHEDULE FOR SIZE) WITH GAS VALVE AND FLEXIBLE GAS CONNECTION TO EACH PIECE OF EQUIPMENT. AT END OF 2" HEADER PROVIDE VALVE AND CAP LINE FOR FUTURE EXTENSION TO SERVE FUTURE KITCHEN EQUIPMENT BELOW HOOD.</p> <p>2. TURN 2" GAS LINE UP EXTERIOR WALL TO ABOVE GRADE TO VALVE AND DIRT LEG. REFER TO DETAIL. EXTEND UP TO ROOF. PROVIDE A SHEET METAL ENCLOSURE AROUND PIPING UP TO ROOF AND PAINT TO MATCH BUILDING AS DIRECTED BY ARCHITECT.</p> <p>3. EXISTING GAS METER TO BE REPLACED/MODIFIED ACCORDING TO REQUIREMENTS OF LOCAL GAS COMPANY TO ACCOMMODATE NEW TOTAL GAS LOAD AND DELIVERY PRESSURE OF 2 PSI FROM METER. COORDINATE FOR A TOTAL GAS LOAD OF 2829 MBTUH FOR THIS GAS LINE AND SERVICE PLUS THE LOAD OF THE EXISTING GYM (CONTRACTOR TO VERIFY ON SITE). PROVIDE NEW 2" DISCHARGE LINE FROM METER TO CONNECT TO THIS NEW 2" 2 PSIG GAS LINE PLUS NEW REGULATOR FOR EXISTING LINES AND RECONNECTING BACK TO ANY REMAINING ACTIVE GAS LINES LEAVING THIS AREA.</p> <p>4. TURN 1/2" DCW AND 1/2" DHW LINES DOWN IN WALL TO ROUTE BELOW SLAB TO ISLAND SCIENCE LAB EQUIPMENT. THE BELOW SLAB WATER PIPING SHALL BE PEX PIPING.</p> <p>5. TURN 1/2" DCW AND 1/2" DHW LINES UP TO SERVE SCIENCE LAB EQUIPMENT AND CONNECT TO EQUIPMENT AS DIRECTED BY MANUFACTURER. PROVIDE VALVE IN EACH LINE BELOW COUNTER IN ACCESSIBLE LOCATION.</p> <p>6. GAS REGULATOR MOUNTED IN GAS LINE ON ROOF TO REDUCE PRESSURE FROM 2 PSI TO OUNCE PRESSURE TO EQUIPMENT/APPLANCES. REFER TO DETAIL ON SHEET P504 FOR ALL PIPING REQUIREMENTS OF REGULATOR.</p>



CLINTON W. FARRIS #28983
DATE SIGNED: 1-28-22

HPA
ESTABLISHED 1962
ARCHITECTS - PROGRAMMERS - PLANNERS
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: 800.707.1421 FAX: 800.397.0273
WEB: www.hpa1962.com

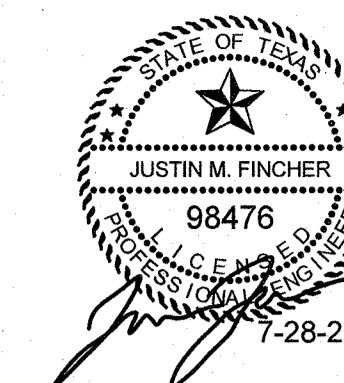
FINCHER
ENGINEERING, LLC
FINCHER ENGINEERING, LLC
TX FIRM #F-16408
5621 114TH ST., SUITE 100
LUBBOCK, TX 79424
PH: 806-701-5109
WWW.FINCHERENG.COM

ADDITIONS AND RENOVATIONS TO THE
**GORDON I.S.D. CAMPUS
FOR GORDON I.S.D.**

GORDON, TEXAS 76453

112 RUSK STREET

DRAWN BY: FINCHER		
DATE: 28 JULY 2022		
REVISIONS		
NO.	DESCRIPTION	DATE
PROJECT NO. 20864.00		
SHEET NO. P201		

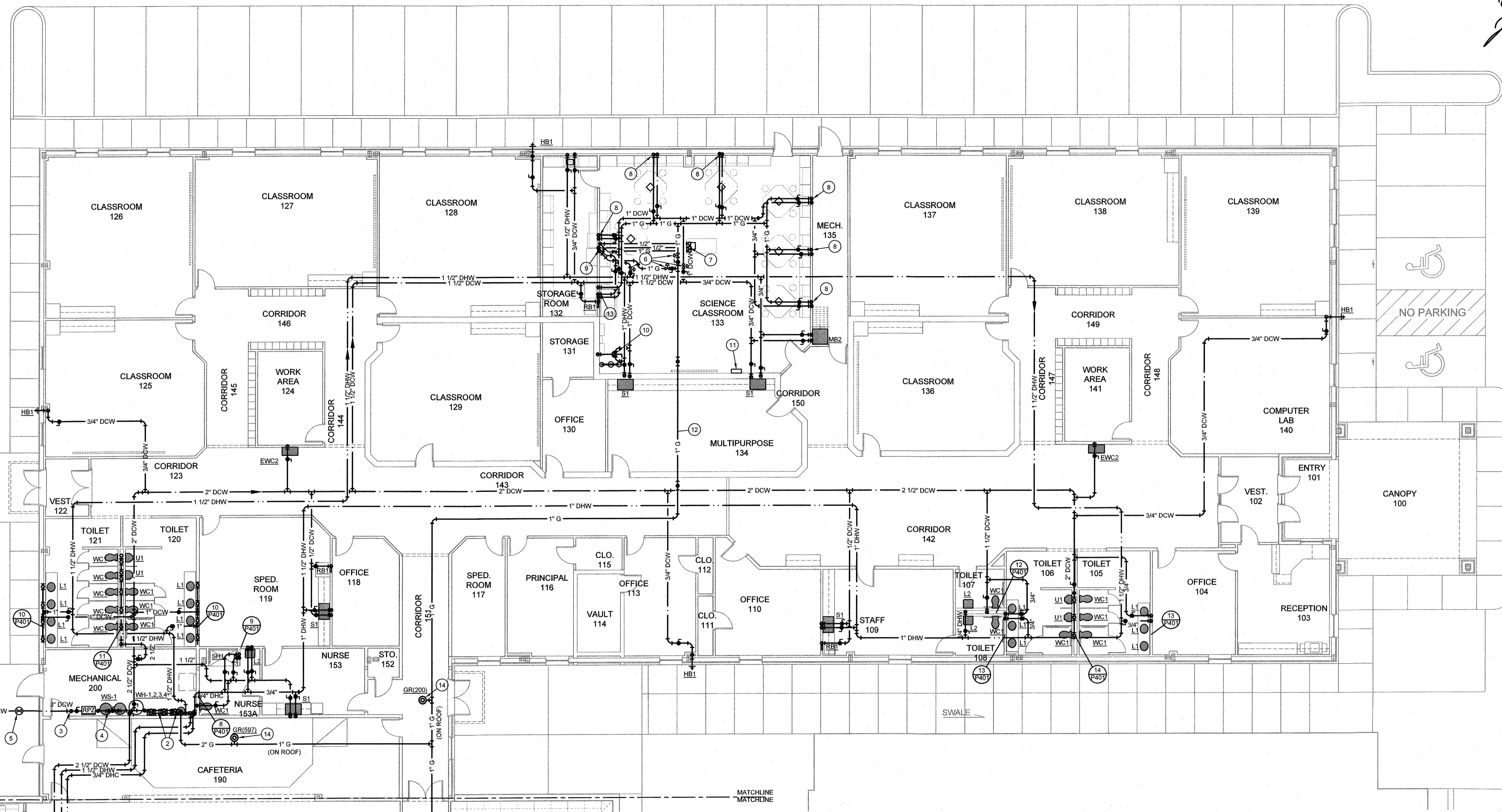


CLINTON W. FARRIS #28983
DATE SIGNED: 1-28-22

HFA
ESTABLISHED 1962
ARCHITECTS, PROGRAMMERS, PLANNERS
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: 940.767.1421 FAX: 940.397.0273
WEB: www.hfa1962.com

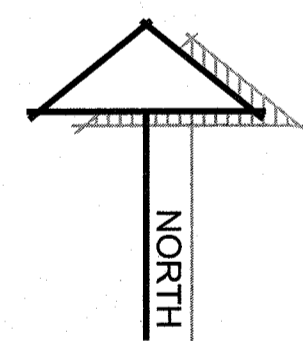
FINCHER
ENGINEERING, LLC
FINCHER ENGINEERING, LLC
TX FIRM #F-16408
5621 114TH ST., SUITE 100
LUBBOCK, TX 79424
PH: 806-701-5109
WWW.FINCHERENG.COM

ADDITIONS AND RENOVATIONS TO THE
GORDON I.S.D. CAMPUS
 FOR GORDON I.S.D.
 112 RUSK STREET
 GORDON, TEXAS 76453



**FLOOR PLAN - SECONDARY - PLUMBING
DOMESTIC WATER AND GAS**

SCALE: 1/8" = 1'-0"



GENERAL NOTES	KEYED NOTES
<p>A. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.</p> <p>B. VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, PLUMBING FIXTURES, AND PIPING AT THE JOBSITE.</p> <p>C. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL OPERATIONAL SYSTEMS. ANY EXISTING SYSTEMS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR.</p> <p>D. PRIME AND PAINT ALL EXTERIOR GAS LINES AS REQUIRED BY ARCHITECT. ALL ROOF MOUNTED GAS LINES SHALL BE PRIMED TO PROTECT FROM RUSTING.</p> <p>E. MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.</p> <p>F. PROVIDE CEILING MOUNTED ACCESS DOORS TO ACCESS ANY VALVES THAT ARE INSTALLED ABOVE INACCESSIBLE CEILING.</p> <p>G. REFER TO PLUMBING FIXTURE SCHEDULE FOR RUNOUT LINE SIZES TO INDIVIDUAL FIXTURES WHERE LINE SIZES ARE NOT INDICATED ON FLOOR PLAN.</p> <p>H. LAVATORIES MUST BE PROVIDED WITH SPECIFIED FAUCET WITH ANTI-SCALD DEVICE OR ALTERNATE FAUCETS SHALL BE PROVIDED WITH POINT-OF-USE MIXING VALVE BELOW ALL LAVATORIES AND HAND SINKS AND SET TO PROVIDE MAXIMUM OF 100°F WATER TO HOT WATER SIDE OF ALL FAUCETS. VERIFY MOUNTING LOCATION OF MIXING VALVE WITH OWNER AND WITH ADA CLEARANCE. MIXING VALVE SHALL BE EQUAL TO BRADLEY 559.</p>	<p>1. REFER TO CIVIL DRAWINGS FOR CONTINUATION OF 3" WATER LINE ON SITE.</p> <p>2. TURN 1-1/2" DCW, TWO 1-1/2" DHW LINES, AND TWO 3/4" DHC LINES DOWN TO SERVE MANIFOLDED TANKLESS WATER HEATERS, REFER TO DETAIL.</p> <p>3. TURN 3" WATER LINE UP FROM BELOW SLAB AND ROUTE THROUGH RPZ, REFER TO DETAIL.</p> <p>4. WATER SOFTENER, REFER TO DETAIL. PROVIDE FULL SIZE NORMALLY CLOSED BYPASS PIPING.</p> <p>5. VALVE BOX, REFER TO DETAIL.</p> <p>6. INSTALL SOLENOID VALVES IN THE 1" GAS, 1" DCW AND 1" DHW LINES AND CONNECT TO LAB SAFETY CONTROL PANEL (NOTE 11 BELOW), REFER TO DETAIL ON SHEET P502.</p> <p>7. TURN 1/2" DCW, 1/2" DHW, AND 3/4" GAS LINE UP TO SERVE SCIENCE LAB EQUIPMENT AND CONNECT TO EQUIPMENT AS DIRECTED BY MANUFACTURER. PROVIDE VALVE IN EACH LINE BELOW COUNTER IN ACCESSIBLE LOCATION.</p> <p>8. TURN 1/2" DCW AND 3/4" GAS LINES DOWN IN WALL TO SERVE SCIENCE LAB EQUIPMENT AND CONNECT TO EQUIPMENT AS DIRECTED BY MANUFACTURER. PROVIDE VALVE IN EACH LINE BELOW COUNTER IN ACCESSIBLE LOCATION.</p> <p>9. TURN 1/2" DCW, 1/2" DHW, AND 3/4" GAS LINES DOWN IN WALL TO ROUTE BELOW SLAB TO ISLAND SCIENCE LAB EQUIPMENT. THE BELOW SLAB WATER PIPING SHALL BE PEX PIPING. THE BELOW SLAB GAS LINE SHALL BE INSTALLED IN A 3" PVC SLEEVE THAT IS VENTED UP THROUGH ROOF WITH 2" VENT TERMINATED MINIMUM 12" ABOVE ROOF WITH TWO 90 DEGREE ELBOWS TO FACE DOWN TO ROOF AND COVER OPENING WITH INSECT SCREEN.</p> <p>10. ROUTE 1" DCW AND 1" DHW LINES THROUGH MIXING VALVE THEN TURN 1-1/4" TEMPERED WATER LINE DOWN IN WALL TO SERVE EMERGENCY SHOWER/EYEWASH. MIXING VALVE SHALL BE EQUAL TO BRADLEY S19-2190 (EFX20) EMERGENCY FIXTURE THERMOSTATIC MIXING VALVE WITH THERMOMETER, ROUGH BRASS, AND BE PIPED ASSEMBLY.</p> <p>11. LAB UTILITY CONTROL PANEL, REFER TO DETAIL. COORDINATE EXACT LOCATION FOR PANEL WITH ARCHITECT. PANEL ALSO PROVIDES CONTROL FOR ELECTRICAL AND EXHAUST FAN. COORDINATE WITH ELECTRICAL AND MECHANICAL CONTRACTORS TO VERIFY ALL SCOPES OF INSTALL IS COVERED AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.</p> <p>12. TURN GAS LINE UP TO RUN AS HIGH AS POSSIBLE ACROSS THE MECHANICAL MEZZANINE SPACE.</p> <p>13. TURN 1/2" DCW, 1/2" DHW AND 3/4" GAS LINES DOWN IN WALL TO SERVE SCIENCE LAB EQUIPMENT FUME HOOD. CONNECT TO FAUCETS AND GAS VALVES WITH FUME HOOD AS DIRECTED BY FUME HOOD MANUFACTURER.</p> <p>14. GAS REGULATOR MOUNTED IN GAS LINE ON ROF TO REDUCE PRESSURE FROM 2 PSI TO OUNCE PRESSURE TO EQUIPMENT/APPLIANCES. REFER TO DETAIL ON SHEET P504 FOR ALL PIPING REQUIREMENTS OF REGULATOR.</p>

DRAWN BY: FINCHER

DATE: 28 JULY 2022

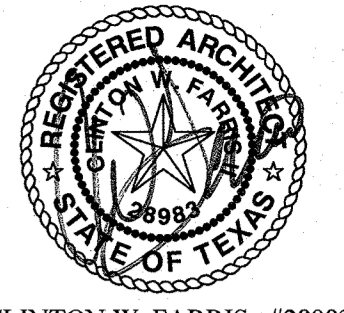
REVISIONS		
NO.	DESCRIPTION	DATE

PROJECT NO.

20864.00

SHEET NO.

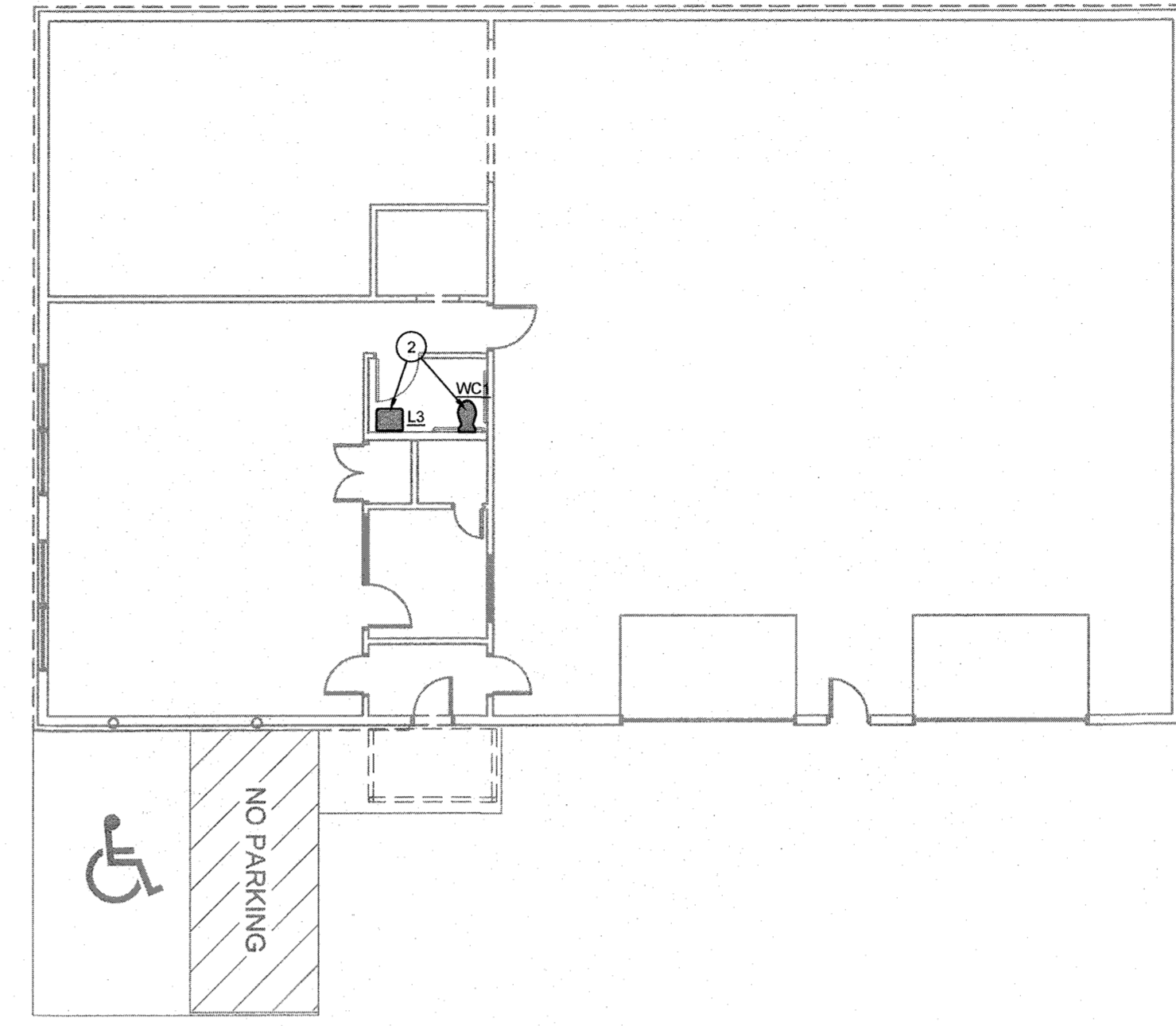
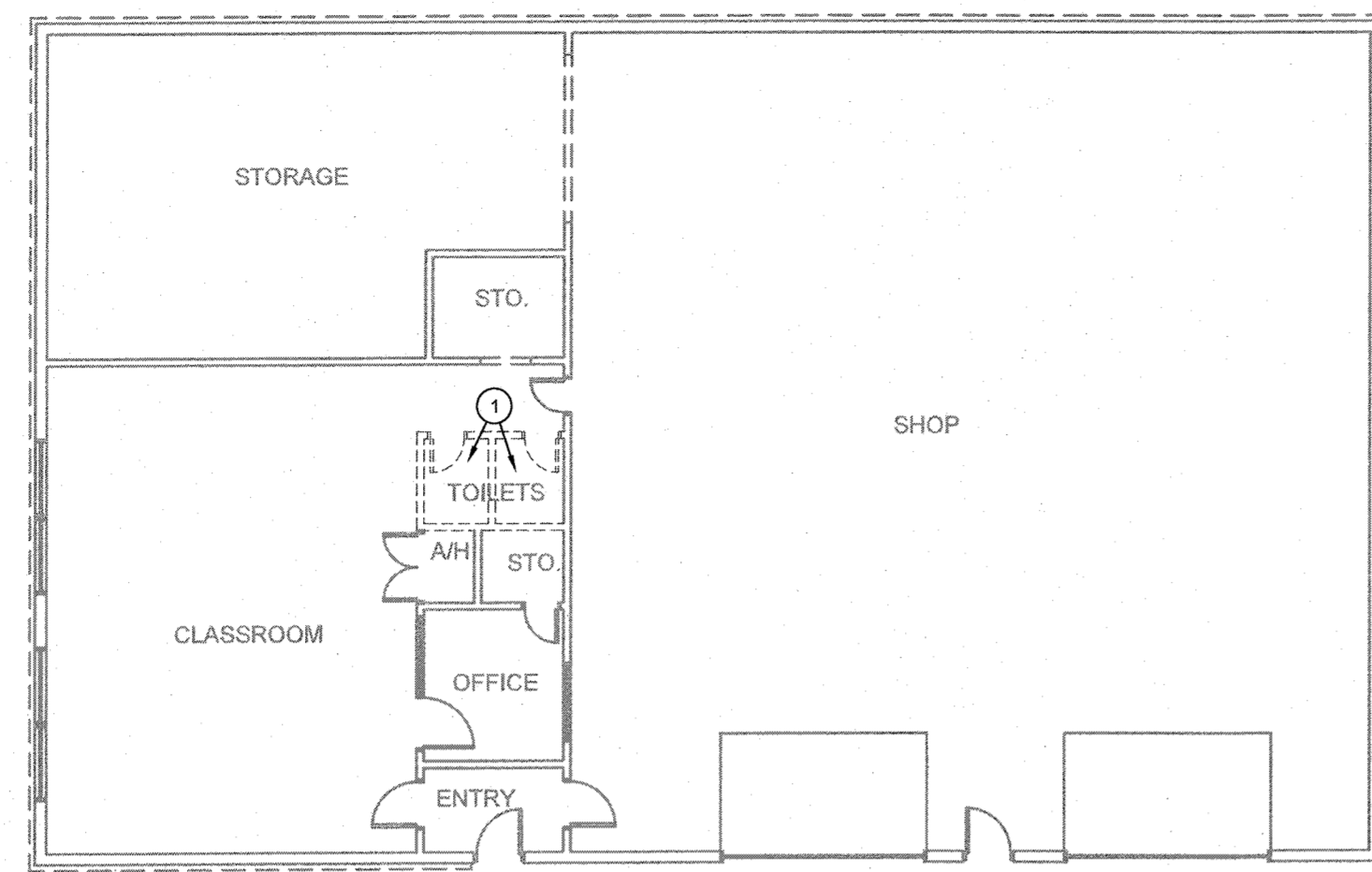
P202



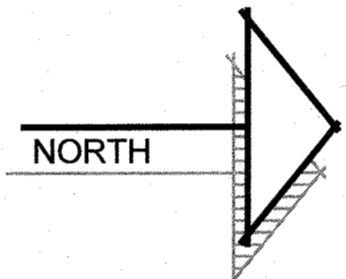
CLINTON W. FARRIS #28983
DATE SIGNED: 4-28-22

HPA
ESTABLISHED 1962
ARCHITECTS - PROGRAMMERS - PLANNERS
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: 940.767.1421 FAX: 940.397.0273
WEB: www.hpa1962.com

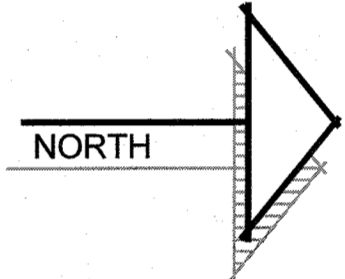
FINCHER
ENGINEERING, LLC
FINCHER ENGINEERING, LLC
TX FIRM #F-16408
5621 114TH ST., SUITE 100
LUBBOCK, TX 79424
PH: 806-701-5100
WWW.FINCHERENG.COM



FLOOR PLAN - AG BUILDING - PLUMBING DEMOLITION
SCALE: 3/32" = 1'-0"



FLOOR PLAN - AG BUILDING - PLUMBING
SCALE: 3/32" = 1'-0"

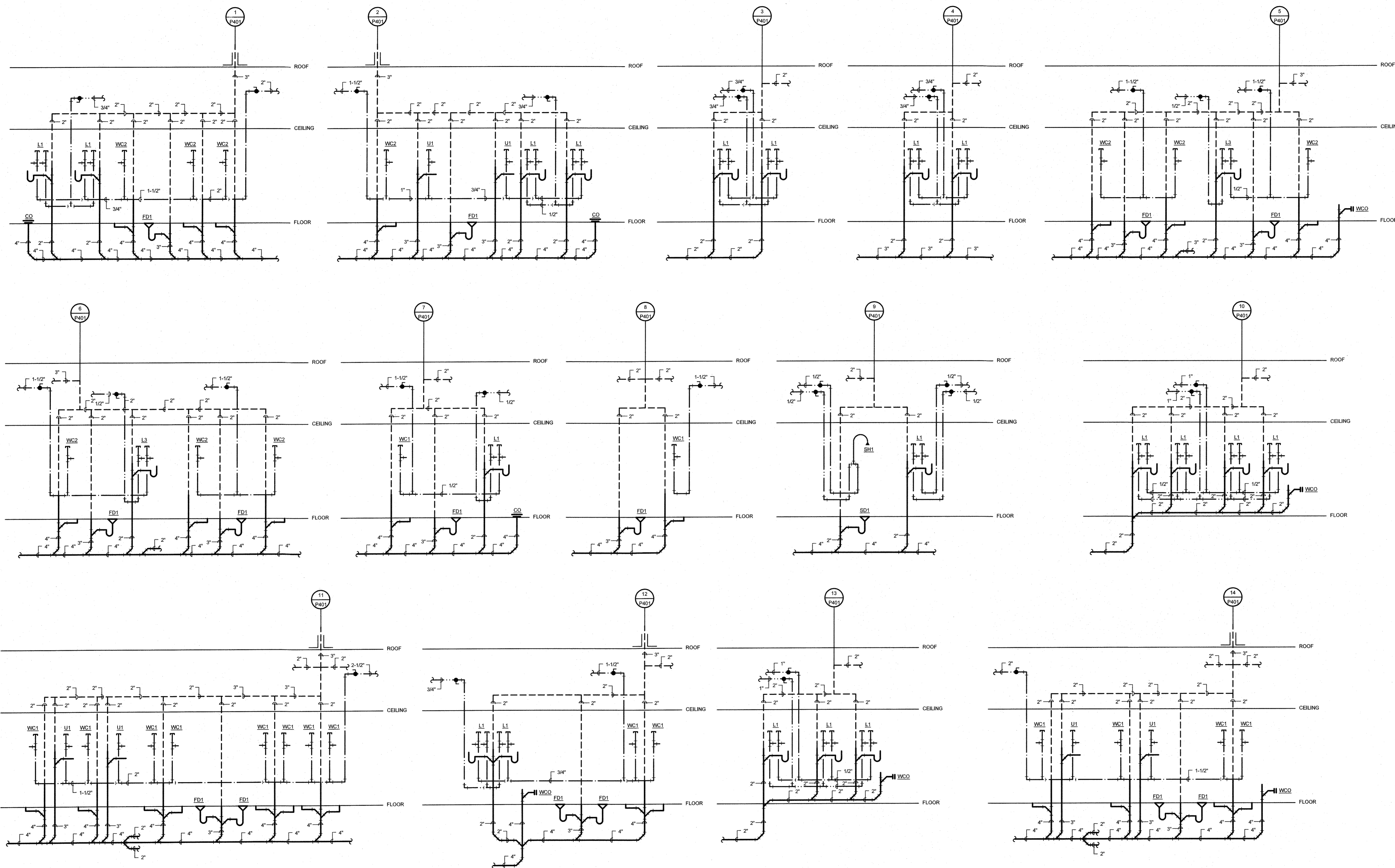


GENERAL NOTES	KEYED NOTES
<p>A. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.</p> <p>B. VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, PLUMBING FIXTURES, AND PIPING AT THE JOBSITE.</p> <p>C. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL OPERATIONAL SYSTEMS. ANY EXISTING SYSTEMS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR.</p> <p>D. MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.</p> <p>E. LAVATORIES MUST BE PROVIDED WITH SPECIFIED FAUCET WITH ANTI-SCALD DEVICE OR ALTERNATE FAUCETS SHALL BE PROVIDED WITH POINT-OF-USE MIXING VALVE BELOW ALL LAVATORIES AND HAND SINKS AND SET TO PROVIDE MAXIMUM OF 100°F WATER TO HOT WATER SIDE OF ALL FAUCETS. VERIFY MOUNTING LOCATION OF MIXING VALVE WITH OWNER AND WITH ADA CLEARANCE. MIXING VALVE SHALL BE EQUAL TO BRADLEY S89.</p>	<p>1. REMOVE EXISTING PLUMBING FIXTURES IN RESTROOM AND BACK TO PLUMBING LINES IN CHASE AND TO BELOW SLAB. PREPARE PIPING AS REQUIRED TO BE CONNECTED TO NEW FIXTURES AS SHOWN ON NEW WORK PLAN.</p> <p>2. NEW WATER CLOSET AND LAVATORY IN NEW T&S COMPLIANT RESTROOM. CONNECT NEW WATER CLOSET AND LAVATORY TO EXISTING PLUMBING LINES SERVING THE REMOVED RESTROOMS AS REQUIRED.</p>

ADDITIONS AND RENOVATIONS TO THE
GORDON I.S.D. CAMPUS
 FOR GORDON I.S.D.
 112 RUSK STREET
 GORDON, TEXAS 76453

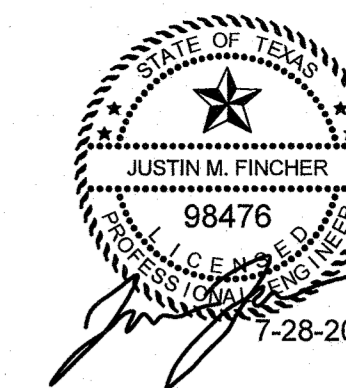
DRAWN BY: FINCHER		
DATE: 28 JULY 2022		
REVISIONS		
NO.	DESCRIPTION	DATE
PROJECT NO. 20864.00		
SHEET NO. P301		

PLUMBING RISER DIAGRAMS



RISER DIAGRAM GENERAL NOTES

- A. MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
- B. PROVIDE CEILING MOUNTED ACCESS DOORS TO ACCESS ANY VALVES THAT ARE INSTALLED ABOVE INACCESSIBLE CEILINGS.
- C. REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE FOR RUNOUT LINE SIZES TO INDIVIDUAL FIXTURES WHERE LINE SIZES ARE NOT INDICATED ON FLOOR PLAN.
- D. LAVATORIES MUST BE PROVIDED WITH SPECIFIED FAUCET WITH ANTI-SCALD DEVICE OR ALTERNATE FAUCETS SHALL BE PROVIDED WITH POINT-OF-USE MIXING VALVE BELOW ALL LAVATORIES AND HAND SINKS AND SET TO PROVIDE MAXIMUM OF 100°F WATER TO HOT WATER SIDE OF ALL FAUCETS. VERIFY MOUNTING LOCATION OF MIXING VALVE WITH OWNER AND WITH ADA CLEARANCE. MIXING VALVE SHALL BE EQUAL TO BRADLEY S59.



CLINTON W. FARRIS #28983
DATE SIGNED: 4.28.22

HFA
ESTABLISHED 1962
ARCHITECTS - PROGRAMMERS - PLANNERS
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: 940.767.1421 FAX: 940.397.0273
WEB: www.hfa1962.com

FINCHER
ENGINEERING, LLC
FINCHER ENGINEERING, LLC
TX FIRM #F-16408
5621 114TH ST., SUITE 100
LUBBOCK, TX 79424
PH: 806-701-5109
WWW.FINCHERENG.COM

ADDITIONS AND RENOVATIONS TO THE
GORDON I.S.D. CAMPUS
 FOR GORDON I.S.D.

GORDON, TEXAS 76453

112 RUSK STREET

DRAWN BY: FINCHER

DATE: 28 JULY 2022

REVISIONS		
NO.	DESCRIPTION	DATE

PROJECT NO.

20864.00

SHEET NO.

P401

PLUMBING FIXTURE SCHEDULE					
MARK	FIXTURE SPECIFICATION	FIXTURE CONNECTIONS (RUNOUT LINE SIZES)			
		DCW	DHW	SAN	VENT
WATER CLOSETS					
WC1	Fixture: American Standard 3043.001, 1.28 gpf, floor mounted elongated toilet, vitreous china, top spud, siphon jet, and 16.5" rim height. TAS compliant for adults. Flush Valve: Sloan Royal 111ESS, 1.28 GPF, angle stop bumper, polished chrome finish, top spud, true mechanical override, hardwired, sensor-operated. Provide Sloan Model EL-154 120V/24V transformer. TAS compliant Seat: Bemis 1955C white solid plastic open front	1-1/2"	4"	2"	
WC2	Fixture: American Standard 2599.001, 1.28 gpf, floor mounted elongated toilet, 14" rim height. 15" toilet seat height for TAS compliant for ages 5 through 12. Flush Valve: Sloan Royal 111ESS, 1.28 GPF, angle stop bumper, polished chrome finish, top spud, true mechanical override, hardwired, sensor-operated. Provide Sloan Model EL-154 120V/24V transformer. TAS compliant Seat: Bemis 1955C white solid plastic open front	1-1/2"	4"	2"	
URINALS					
U1	Fixture: American Standard 6400.014 vitreous china, sloping front stall urinal, and 3/4" top spud. TAS compliant. Flush Valve: Sloan 186 SFSM, hard wired, mechanical override, 0.5 GPF, quiet exposed pemex rubber diaphragm type flush valve. TAS compliant. Provide Sloan Model EL-154 120V/24V transformer.	3/4"	3"	2"	
LAVATORIES					
L1	Fixture: Kohler K-2196-1 vitreous china 20" x 17" self rim, with single faucet hole. TAS compliant. Supply: Chicago Faucets E80-A11E-41ABCP, dual beam infrared sensor, integral spout, chrome plated, single hold deck mount, 1.0 GPM vandal proof pressure compensating laminar flow. Single supply for tempered water fed from below counter mixing valve. Power supply from 120 VAC to 12DC hard wired adapter. TAS compliant. Mixing Valve: Bradley S59 point of use mixing valve to feed single temperature supply of faucet. Tailpiece: McGuire 155WC Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow and 17 gauge 1-1/4" inch seamless brass offset tailpiece. P-trap: McGuire 8872C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange.	1/2"	1/2"	2"	2"
	Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange. Protective Insulation: Plumberex X4333/X4114, Insulate per ADA 4.19.4 and or IBC all exposed lavatories drain piping, hot/cold stops and supplies. Protectors will consist of molded closed cell PVC, with anti-fungal and anti-microbial properties. To be one piece continuous smooth design.				
L2	Fixture: American Standard 9024.004EC, Decorum wall hung lavatory, 20x14, vitreous china, rear overflow, and 4" centers. TAS compliant. Supply: Chicago Faucets E80-A11E-47ABCP, dual beam infrared sensor, integral spout, chrome plated, single hold deck mount, 1.0 GPM vandal proof pressure compensating laminar flow. Dual Supply for hot and cold water service with user adjustable thermostatic (ASSE 1070) mixer. Power supply from 120 VAC to 12DC hard wired adapter. TAS compliant. This fixture does not require an under counter mixing valve as noted on the drawings since it has control built in. Any substitution from equal faucet without scald control must have point of use mixing valve installed below counter. Tailpiece: McGuire 155WC Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow and 17 gauge 1-1/4" inch seamless brass offset tailpiece. P-trap: McGuire 8872C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange.	1/2"	1/2"	2"	2"
	Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange. Protective Insulation: Truebro Lav Shield rigid enclosure to enclose all components (traps, mixing valve, etc.). Enclosure to be 0.093" nominal wall thickness, stain resistant PVC, china white color, and secured to wall with stainless steel screws. ADA Compliant. Carrier: Josam 17100 floor mounted Lavatory Carrier with concealed arms, leveling and securing screws, rectangular structural uprights and welded feet				
L3	Fixture: American Standard 9024.004EC, Decorum wall hung lavatory, 20x14, vitreous china, rear overflow, and 4" centers. TAS compliant. Supply: Chicago Faucets E80-A11E-41ABCP, dual beam infrared sensor, integral spout, chrome plated, single hold deck mount, 1.0 GPM vandal proof pressure compensating laminar flow. Single supply for tempered water fed from below counter mixing valve. Power supply from 120 VAC to 12DC hard wired adapter. TAS compliant. Mixing Valve: Bradley S59 point of use mixing valve to feed single temperature supply of faucet. Tailpiece: McGuire 155WC Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow and 17 gauge 1-1/4" inch seamless brass offset tailpiece. P-trap: McGuire 8872C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange.	1/2"	1/2"	2"	2"
	Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange. Protective Insulation: Truebro Lav Shield rigid enclosure to enclose all components (traps, mixing valve, etc.). Enclosure to be 0.093" nominal wall thickness, stain resistant PVC, china white color, and secured to wall with stainless steel screws. ADA Compliant. Carrier: Josam 17100 floor mounted Lavatory Carrier with concealed arms, leveling and securing screws, rectangular structural uprights and welded feet				
ELECTRIC WATER COOLERS					
EWC1	Fixture: Halsey Taylor HTHB-HVGRN8-WF, vandal resistant, touchless sensor activated bottle filling station and single drinking fountain, 8.0 GPH of 50 degree F drinking water, visual filter monitor, green counter, vandal resistant, stainless steel finish, and mechanically activated bubbler. Verify mounting height with Architect. TAS compliant. Provide with 2 extra water filters P-trap: McGuire 8872C P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Set Screw Flange. Stop: McGuire BV175 Supply shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle. Carrier: Josam 17560-WCBL floor mounted Water Cooler Carrier with rectangular structural uprights and welded feet continuous smooth design.	1/2"	2"	2"	
EWC2	Fixture: Halsey Taylor HTHB-HVGRN8BL-WF, vandal resistant, touchless sensor activated bottle filling station and bi-level drinking fountain, 8.0 GPH of 50 degree F drinking water, visual filter monitor, green counter, vandal resistant, stainless steel finish, and mechanically activated bubbler. Verify mounting height with Architect. TAS compliant. Provide with 2 extra water filters Apron: Halsey Taylor HTVZAPR, Cane touch apron, polymer construction. Apron shall extend to exactly 27" A.F.F. as per TAS requirements. P-trap: McGuire 8872C P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Set Screw Flange. Stop: McGuire BV175 Supply shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle. Carrier: Josam 17560-WCBL floor mounted Water Cooler Carrier with rectangular structural uprights and welded feet continuous smooth design.	1/2"	2"	2"	
SINKS					
S1	Fixture: Elkay LRAD-3321, 33" x 21-1/4", 6" deep, double compartment with off-center drain outlets, 18 gage type 304 self rimming stainless steel with 3 holes. TAS compliant. Supply: Chicago Faucets No. 2200-8ABCP, Sink Faucet for hot and cold water, single lever, deck-mounted with 8" fixed centers, chrome plated. Integral cast brass spout, 4-3/4" center-to-center. 2.2 GPM (8.3 L/min) pressure compensating Softfo aerator. 2-3/4" metal lever handle. Ceramic quarter-turn cartridge, features square, tapered stem. Flexible stainless steel supply hoses with 3/8" compression fitting. TAS compliant Strainer: McGuire 1151WC, adjustable brass offset sink strainer with 17 gauge seamless brass waste arm and tailpiece, cast brass slip nuts and heavy cast elbow. P-trap: McGuire 8912C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange.	1/2"	1/2"	2"	2"
	Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange. Protective Insulation: Plumberex X4333/X4114, Insulate per ADA 4.19.4 and or IBC all exposed lavatories drain piping, hot/cold stops and supplies. Protectors will consist of molded closed cell PVC, with anti-fungal and anti-microbial properties. To be one piece continuous smooth design.				
HS1	Fixture: Advance Tabco 7-PS-68, stainless steel hand sink, all tig welded, heavy gauge type 304 stainless steel, 4" o.c. splash mounted gooseneck faucet with wrist handles. Provide with wall mounting bracket. P-trap: McGuire 8912C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange. Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange.	1/2"	1/2"	2"	2"

PLUMBING FIXTURE SCHEDULE					
MARK	FIXTURE SPECIFICATION	FIXTURE CONNECTIONS (RUNOUT LINE SIZES)			
		DCW	DHW	SAN	VENT
SHOWERS					
SH1	Fixture: Chicago SH-TP6-00-022 thermostatic/pressure balancing shower fitting with automatic drain and hand spray, 2.5 gpm hand spray with pause control, two 3/4" stainless steel hoses with automatic hose drain, 48" wall mounted slide bar with hand spray holder, integral service stops with checks, and thermostatic/pressure balancing cartridge. TAS Compliant.	1/2"	1/2"		
MOP BASINS					
MB1	Fixture: Stern-Williams SB-1502-BP, 24x24x12 corner precast terrazzo, 3" integral drain body, stainless steel back panels and stainless steel cap Supply: T&S Brass B-0665-BSTR, Service Sink Faucet with rough chrome finish, built in stops, vacuum breaker, lever handles, wall brace and 3/4" garden hose outlet Accessories: T&S Brass B-0653 & B-0654, Reinforced PVC hose and mop hanger	3/4"	3/4"	3"	2"
	Fixture: Stern-Williams SB-902-BP, 24x24x12 precast terrazzo, 3" integral drain body, stainless steel back panels, and stainless steel cap. Supply: T&S Brass B-0665-BSTR, Service Sink Faucet with rough chrome finish, built in stops, vacuum breaker, lever handles, wall brace and 3/4" garden hose outlet Accessories: T&S Brass B-0653 & B-0654, Reinforced PVC hose and mop hanger	3/4"	3/4"	3"	2"
MB2	Fixture: Stern-Williams SB-1502-BP, 24x24x12 corner precast terrazzo, 3" integral drain body, stainless steel back panels and stainless steel cap Supply: T&S Brass B-0665-BSTR, Service Sink Faucet with rough chrome finish, built in stops, vacuum breaker, lever handles, wall brace and 3/4" garden hose outlet Accessories: T&S Brass B-0653 & B-0654, Reinforced PVC hose and mop hanger	3/4"	3/4"	3"	2"
	Fixture: Stern-Williams SB-902-BP, 24x24x12 precast terrazzo, 3" integral drain body, stainless steel back panels, and stainless steel cap. Supply: T&S Brass B-0665-BSTR, Service Sink Faucet with rough chrome finish, built in stops, vacuum breaker, lever handles, wall brace and 3/4" garden hose outlet Accessories: T&S Brass B-0653 & B-0654, Reinforced PVC hose and mop hanger	3/4"	3/4"	3"	2"
SPECIALTIES					
RPZ	Fixture: Watts LF009-QT-S lead free reduced pressure zone assembly. Provide with strainer. Provide with quarter turn valves for 1/4" 2" line sizes and NRS gate valves for lines 2-1/2" - 3". Provide in all locations shown on plan and as required by authority having jurisdiction. Air Gap: Provide with air gap and extend to spill to nearest floor drain.	LINE SIZE			
HB1	Fixture: Woodford Model 68, automatic draining with ASSE 1052 approved model 50HA high flow double check backflow preventer, 3/4" inlet and outlet. Hardened stainless steel operating stem and one-piece valve plunger to control both flow and drain functions. Exterior finish to be stainless steel. Loose tee key to be furnished with each hydrant.	3/4"			
HB2	Fixture: Woodford Model MB24 wall faucet with vacuum breaker in locking modular box.	3/4"			
RB1	Fixture: Guy Gray SSIB1 stainless steel ice maker box with quarter turn valves.	1/2"			
PF1	Fixture: Chicago Faucets 517-GCABCP Pot and Kettle Filler, wall-mounted with adjustable arms for 7-1/4" - 8-3/4" centers. Chrome plated. Double-jointed swingspout, 18" center-to-center, 2-3/8" metal, vandal-proof, lever handles with sixteen-point, tapered broach and secured blue and red index buttons. rebuildable compression cartridge, opens and closes 90°, closes with water pressure, features square, tapered stem. 3/8" offset inlet supply arm with integral check with 1/2" NPT female thread inlet. 2-5/16" diameter slip flange. Mount on wall above range, verify exact location and height with Architect prior to rough-in.	1/2"	1/2"		
FD1	Fixture: Floor Drains shall be coated cast iron, two piece body, non puncturing flashing collar with weep holes and 6" adjustable satin Nikaloy square strainer equal to Josam 30000-6S. Provide all floor drains with trap seal equal to ProSet Trap Guard and install according to manufacturer's instructions.			3"	2"
FD2	Fixture: Floor Drains shall be coated cast iron, two piece body, non puncturing flashing collar with weep holes, square top, heavy duty, loose set laminated Satin Finish Nikaloy Grate and removable sediment bucket equal to Josam 37820-19. Provide all floor drains with trap seal equal to ProSet Trap Guard and install according to manufacturer's instructions.			3"	2"
FD3	Fixture: CPVC acid waste floor drain with 5" round CPVC grate, 1/8" perforated siltment strainer equal to Spears LabWaste floor drain. Provide all floor drains with trap seal equal to ProSet Trap Guard and install according to manufacturer's instructions.			3" AW	2" AV
FS1	Fixture: Floor Sink shall be square cast iron 12x12x6 with acid resisting interior, double drainage flange with weep holes, aluminum internal dome strainer, and cast iron, non traffic, acid-resisting Grate equal to Josam 49340-3 (1/2 grate).			3"	2"
FS2	Fixture: Floor Sink shall be square cast iron 8x8x6 with acid resisting interior, double drainage flange with weep holes, aluminum internal dome strainer, and Nikaloy sanitary sloped Rim and Grate equal to Josam 49300-NB-4 (3/4 grate).			3"	2"
SD1	Fixture: Floor Drains shall be coated cast iron, two piece body, non puncturing flashing collar with weep holes and 5" adjustable chrome plated round strainer equal to Josam 30000-5A-CP. Provide all floor drains with trap seal equal to ProSet Trap Guard and install according to manufacturer's instructions.			2"	2"
AAV1	Fixture: Automatic air valves for acid waste applications using valves equal to Studor Chem-Vent and Mini-Vent valves installed according to manufacturer's installation requirements.	LINE SIZE			
CLEANOUTS CO, WCO, DCO	Floor cleanouts in finished floors shall be equal to Josam 55000-1 with medium-duty scoriated secured round satin Nikaloy Cover.	LINE SIZE UP TO 4"			
	Floor cleanouts in floors with thin flooring shall be equal to Josam 55000-1-13 with recessed top for flooring.				
	Floor cleanouts in tiled floors shall be equal to Josam 55000-1-SQ with scoriated secured square satin Nikaloy Cover.				
	Floor cleanouts in carpeted floors shall be equal to Josam 55000-14 with scoriated secured round cover and carpet cleanout marker.				
Floor cleanouts in unfinished areas shall be equal to Josam 55000-1-SD with special duty scoriated secured round laminated satin Nikaloy Cover.					
Exterior cleanouts subject to heavy wheel traffic shall be equal to Josam 58680-CO Cast Iron Access Frame with anchor flanges and heavy-duty scoriated secured cover. Wall cleanouts shall be concealed behind Stainless Steel access cover with screw equal to Josam 58600.					

KITCHEN EQUIPMENT PLUMBING CONNECTION SCHEDULE (PK#)								
ITEM CODE	DESCRIPTION	PLUMBING CONNECTIONS						
		DCW	DHW	WASTE	VENT	INDIRECT WASTE TO FS	GAS	NOTES
PK4	HOOT FOOD UNIT - 5 WELL	1/2"	1/2"	---	---	1" (x5)	---	
PK5	ICE MACHINE	1/2"	---	---	---	3/4" (x2)	---	1
PK8	HOT WATER DISPNSR	1/2"	---	---	---	---	---	1
PK11	RANGE AND GRIDDLE	---	---	---	---	---	1-1/4" (195 MBH)	
PK12	CONVECTION OVEN	---	---	---	---	---	1" (100 MBH)	
PK16	TWO COMPARTMENT SINK	1/2"	1/2"	---	---	1-1/2" (x2)	---	2
PK18	SOILED DISH SINK	1/2"	1/2"	---	---	1-1/2"	---	2
PK18A	DISPOSER	1/2", 3/4"	---	---	---	---	---	3
PK19	DISHWASHER	3/4"	3/4"	---	---	---	---	1,2
PK20	THREE COMPARTMENT SINK	1/2"	1/2"	---	---	1-1/2" (x3)	---	2
PK27	WALK IN FREEZER	---	---	---	---	1"	---	
PK28	WALK IN COOLER	---	---	---	---	1"	---	

GENERAL NOTES:

A. ALL ROUGH-IN HEIGHTS AND LOCATIONS SHALL BE AS DIRECTED BY FOODSERVICE EQUIPMENT PROVIDER.

B. MOUNTING HEIGHTS ARE TO BE VERIFIED BY FOODSERVICE EQUIPMENT PROVIDER AND ADJUST AS REQUIRED.

C. PROVIDE RPZ BACKFLOW PREVENTERS IN ALL WATER LINES AT CONNECTIONS TO EQUIPMENT AS REQUIRED BY AUTHORITY HAVING JURISDICTION.

D. PLUMBING CONTRACTOR SHALL INSTALL ALL FAUCETS AND PLUMBING ACCESSORIES PROVIDED BY THE FOOD SERVICE EQUIPMENT PROVIDER.

E. ALL GAS AND WATER CONNECTIONS TO KITCHEN EQUIPMENT SHALL BE OF AMPLE LENGTH TO ALLOW FOR EQUIPMENT TO MOVE FOR CLEANING.

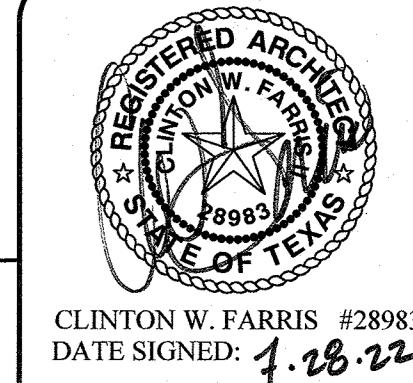
F. QUICK DISCONNECTS TO BE SUPPLIED WITH KITCHEN EQUIPMENT WITH ALL GAS AND WATER EQUIPMENT AND INSTALLED BY PLUMBING CONTRACTOR.

NOTES INDICATED IN SCHEDULE ABOVE:

1. ROUTE WATER LINE THROUGH RPZ BACKFLOW PREVENTER EQUAL TO WATTS #SS009. PROVIDE AIR GAP AND DRAIN LINE TO NEAREST FLOOR SINK. RPZ'S SHALL BE LOCATED IN ACCESSIBLE LOCATION NEVER PLACED BEHIND A PIECE OF EQUIPMENT.

2. ACCESSORIES PROVIDED LOOSE WITH FOODSERVICE EQUIPMENT AND TO BE FIELD INSTALLED BY PLUMBING CONTRACTOR.

3. ROUTE WATER LINE THROUGH BALL VALVE, PRESSURE REDUCING VALVE, SOLENOID VALVE, AND VACUUM BREAKER ALL INSTALLED PER DISPOSER MANUFACTURER PIPING REQUIREMENTS. ALL PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR.



HPA
ESTABLISHED 1962
ARCHITECTS - PROGRAMMERS - PLANNERS
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: 940.767.1421 FAX: 940.397.0273
WEB: www.hpa1962.com

FINCHER
ENGINEERING, LLC
FINCHER ENGINEERING, LLC
TX FIRM #F-16408
5621 114TH ST., SUITE 100
LUBBOCK, TX 79424
PH: 806-701-5109
WWW.FINCHERENG.COM

ADDITIONS AND RENOVATIONS TO THE
GORDON I.S.D. CAMPUS
 FOR GORDON I.S.D.
 112 RUSK STREET
 GORDON, TEXAS 76643

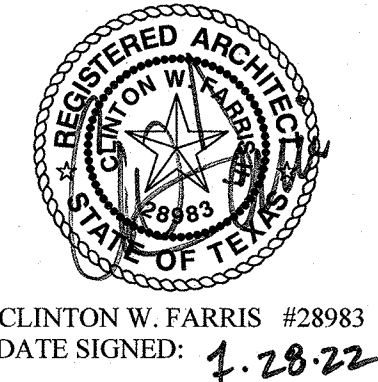
DRAWN BY: FINCHER
DATE: 28 JULY 2022

REVISIONS		
NO.	DESCRIPTION	DATE

PROJECT NO.
20864.00

SHEET NO.
P501

©HPA, INC.



CLINTON W. FARRIS #28983
DATE SIGNED: 1-28-22

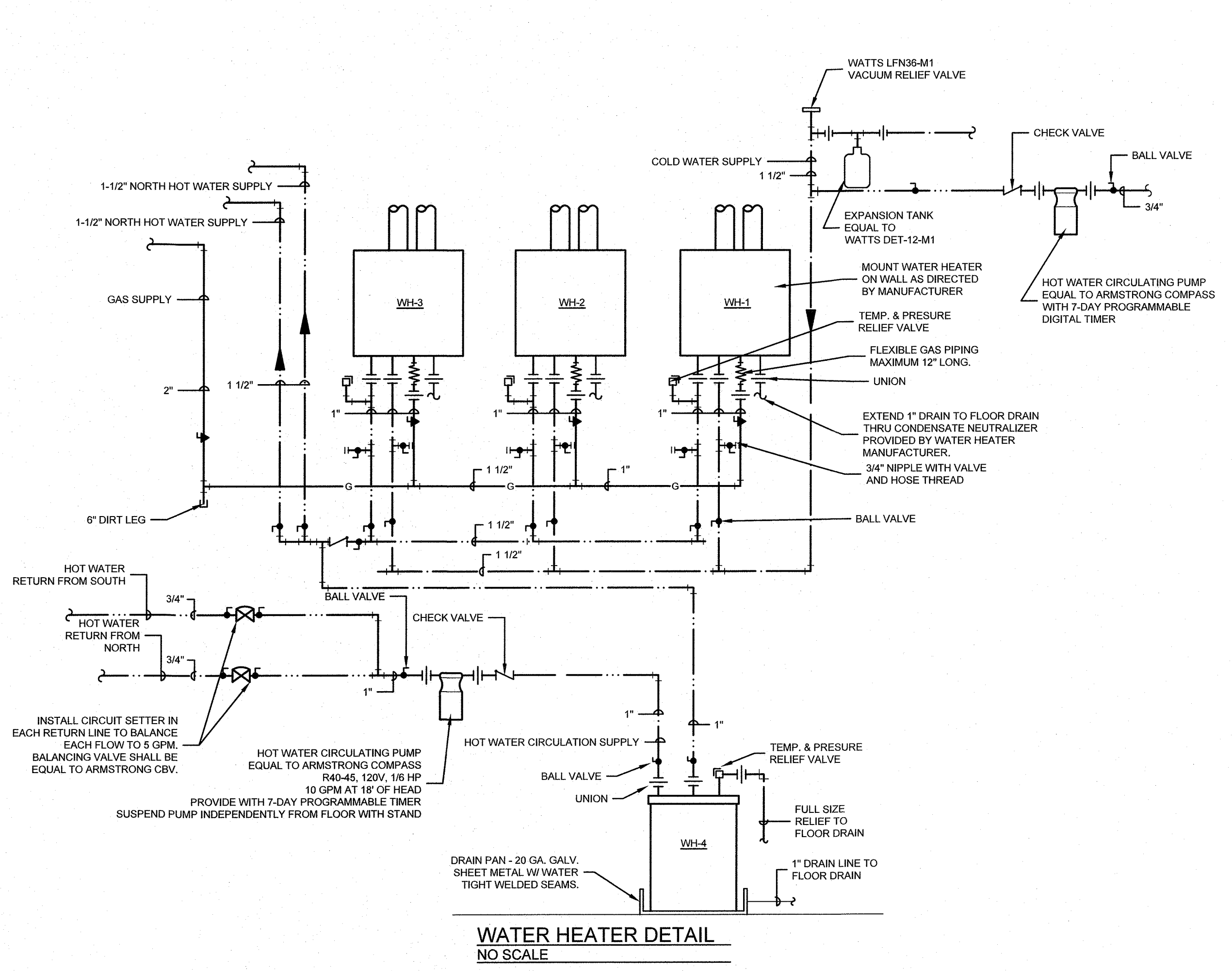
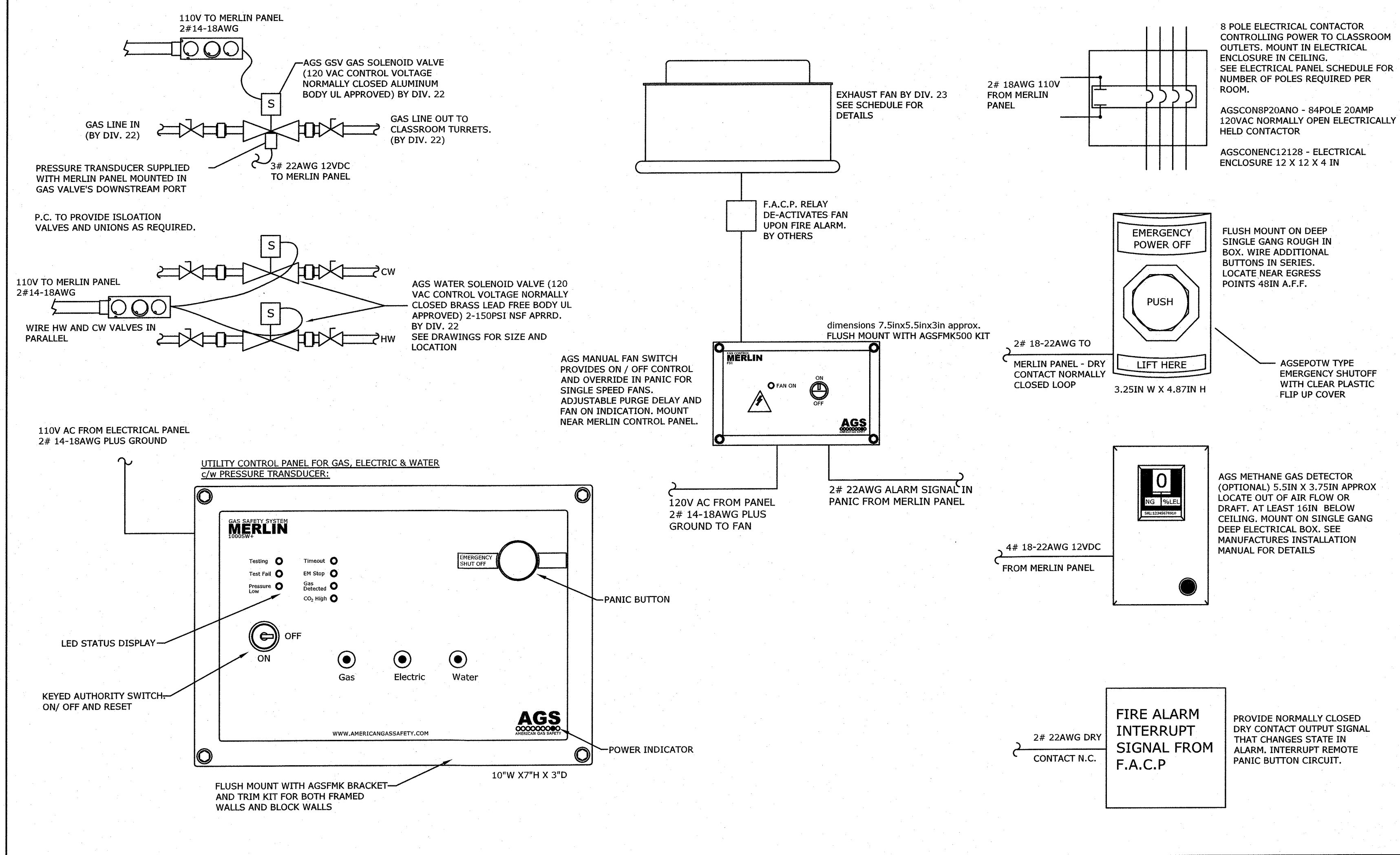
HPA
ESTABLISHED 1962
ARCHITECTS, PROGRAMMERS, PLANNERS
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: 940.767.1421 FAX: 940.397.0273
WEB: www.hpa1962.com

FINCHER
ENGINEERING, LLC
FINCHER ENGINEERING, LLC
TX FIRM #F-16408
5621 114TH ST., SUITE 100
LUBBOCK, TX 79424
PH: 806-701-5109
WWW.FINCHERENG.COM

ADDITIONS AND RENOVATIONS TO THE
GORDON I.S.D. CAMPUS
 FOR GORDON I.S.D.

112 RUSK STREET
GORDON, TEXAS 76453

SCIENCE LAB UTILITY CONTROLLER DETAIL



GENERAL NOTES

- TYPICAL SEQUENCE OF OPERATION. KEY LOCK AUTHORITY REQUIRED TO ENABLE SERVICES. CONTROL PANEL TO PERFORM PRESSURE DROP TEST ON GAS SERVICE BEFORE ALLOWING GAS INTO CLASSROOM. IN EMERGENCY PANIC BUTTON WILL CLOSE ALL CIRCUITS AND START EXHAUST FAN.
- VERIFY LOCATIONS OF CONTROLLER, REMOTE SHUT-OFF BUTTONS CONTACTORS AND SOLENOIDS WITH DRAWINGS AND OWNER IN FIELD.
- UNLESS NOTED OTHERWISE, P.C. TO SUPPLY CONTROLLER, REMOTE SHUT-OFF BUTTONS, GAS DETECTOR CONTACTORS, RELAYS AND SOLENOIDS AS A WHOLE SYSTEM. P.C. TO COORDINATE WITH E.C.
- UNLESS NOTED OTHERWISE, WIRING, ELECTRICAL CONNECTIONS AND TESTING BY DIV. 26. COORDINATE GAS SOLENOID VALVE LOCATION AND FIELD WIRING WITH DIV. 22.
- PRESSURE TRANSDUCER SUPPLIED WITH CONTROL PANEL, INSTALLED IN DOWNSTREAM PORT OF GAS SOLENOID SUPPLIED BY P.C. SEE MANUFACTURER'S DETAILS.
- 120V AC SUPPLY TO CONTROLLER. 120V AC SUPPLY FROM CONTROLLER TO SOLENOIDS. 120V AC SUPPLY FROM CONTROLLER TO CONTACTORS. LOW VOLTAGE SUPPLY SIGNAL TO PRESSURE TRANSDUCER. 12V DC SUPPLY FROM CONTROLLER TO GAS DETECTOR.
- FIRE ALARM CONTROL MODULE OUTPUT INTERRUPTS EMERGENCY SHUTOFF (EPO) BUTTON CIRCUIT.
- BASIS OF DESIGN AGS MERLIN 1000SW+ UTILITY CONTROL SYSTEM. CONTACT AMERICAN GAS SAFETY FOR INFORMATION. WWW.AMERICANGASSAFETY.COM TEL: (727) 608-4375

SEQUENCE OF OPERATION

- KEYED AUTHORITY REQUIRED TO MAKE UTILITY SELECTION AND RE-SET PANEL AFTER AN ALARM. KEY IS NOT REQUIRED TO REMAIN IN THE PANEL AFTER THE INITIAL SELECTION HAS BEEN MADE. UTILITY SELECTION IS PROHIBITED AFTER INITIAL 10SECS WITHOUT THE AUTHORITY KEY.
- GAS SERVICE ONLY SUPPLIED AFTER A 30SEC PRESSURE DROP TEST ENSURES ALL GAS TURRETS ARE CLOSED AND ALL GAS PIPE IS SOUND AND IN TACK.
- ACTIVATION OF PANIC BUTTON, REMOTE PANIC BUTTON, FIRE ALARM INPUT, GAS DETECTOR AND TIME-OUT FUNCTION SHALL DEACTIVATE ALL UTILITIES.
- MANUAL FAN CONTROL ON/OFF. ALARM OUTPUTS INITIATES EXHAUST FAN IF FAN IS NOT TURNED ON.
- FIRE ALARM CONTROL PANEL INTERRUPTS EXHAUST FAN POWER IN FIRE ALARM.
- LOW GAS PRESSURE BELOW 4.8INCH/WC THAT EXISTS FOR >10SEC SHALL CAUSE THE GAS TO BE SHUT DOWN.

INSTANTANEOUS GAS WATER HEATER SCHEDULE

MARK	FUEL	INPUT	UEF	FLOW RATE	EXAMPLE
WH-1	GAS	199 MBH	0.93	5.5 GPM AT 70°F RISE	A.O. SMITH ATI-540P-N
WH-2	GAS	199 MBH	0.93	5.5 GPM AT 70°F RISE	A.O. SMITH ATI-540P-N
WH-3	GAS	199 MBH	0.93	5.5 GPM AT 70°F RISE	A.O. SMITH ATI-540P-N

NOTES:
1. PROVIDE WITH NEUTRALIZER KIT AND THRU ROOF CONCENTRIC TERMINATION.
2. PROVIDE MULTI-UNIT CONTROLLER FOR MANIFOLDING CONTROLS OF THE FOUR UNITS TOGETHER.

ELECTRIC WATER HEATER SCHEDULE

MARK	TANK CAP.	FUEL	INPUT	RECOVERY GPH	ELECTRICAL DATA	EXAMPLE
WH-4	6 GAL.	ELEC.	1650 W	8 GAL.	120 V, 1Ø, 60 HZ	A.O. SMITH EJC-6

NOTE: RECOVERY BASED ON 90 DEGREE TEMPERATURE RISE.

DRAWN BY: FINCHER

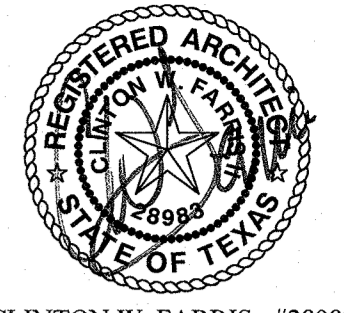
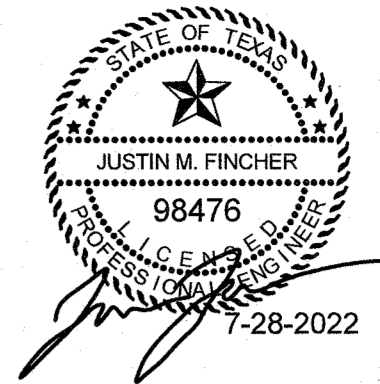
DATE: 28 JULY 2022

REVISIONS		
NO.	DESCRIPTION	DATE

PROJECT NO.
20864.00

SHEET NO.

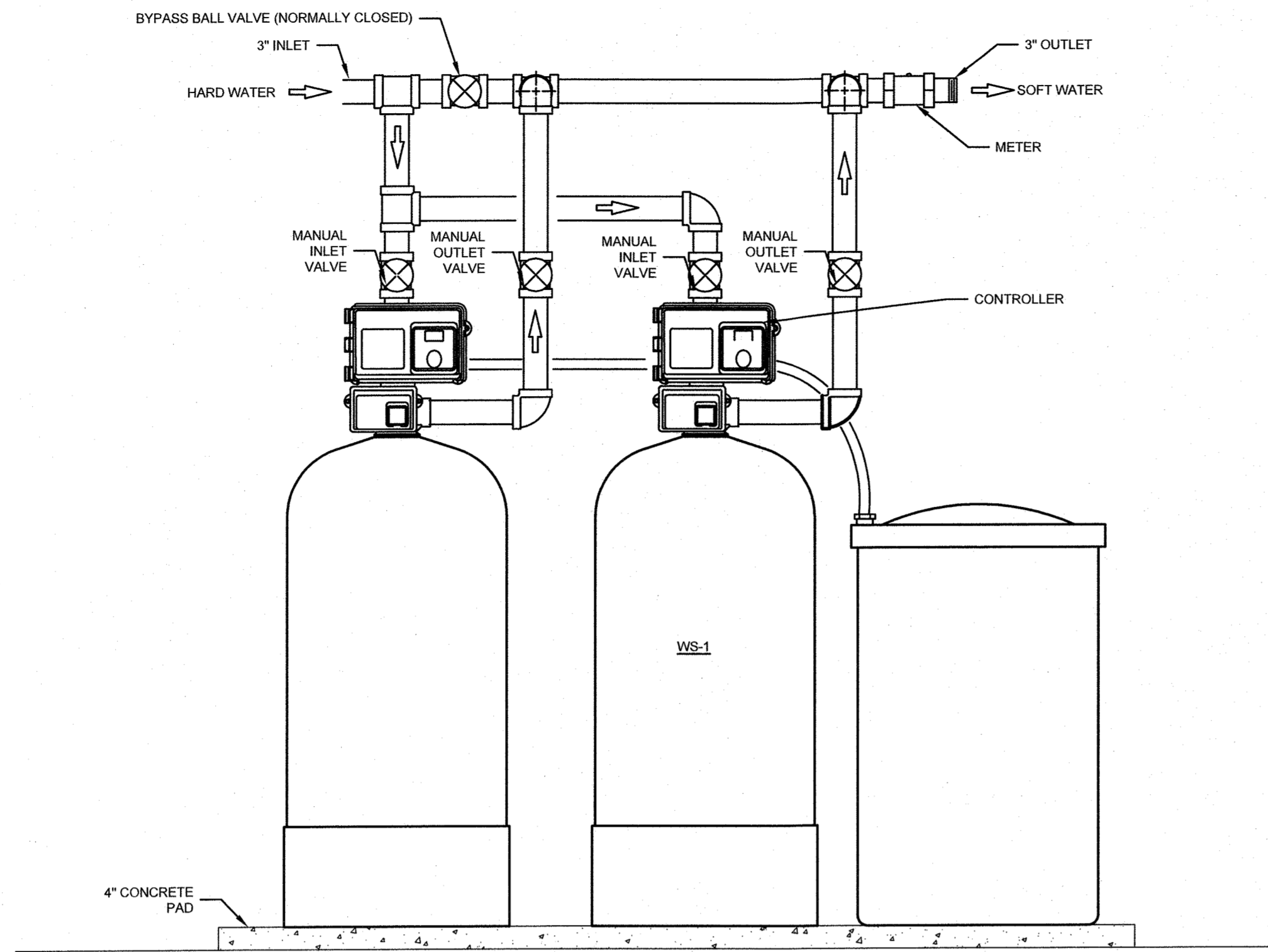
P502



CLINTON W. FARRIS #28983
DATE SIGNED: 1-28-22

HPA
ESTABLISHED 1962
ARCHITECTS - PROGRAMMERS - PLANNERS
4724 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-3599
VOICE: 940.767.1421 FAX: 940.397.0273
WEB: www.hpa1962.com

FINCHER
ENGINEERING, LLC
FINCHER ENGINEERING, LLC
TX FIRM #F-16408
5621 114TH ST., SUITE 100
LUBBOCK, TX 79424
PH: 806-701-5100
WWW.FINCHERENG.COM

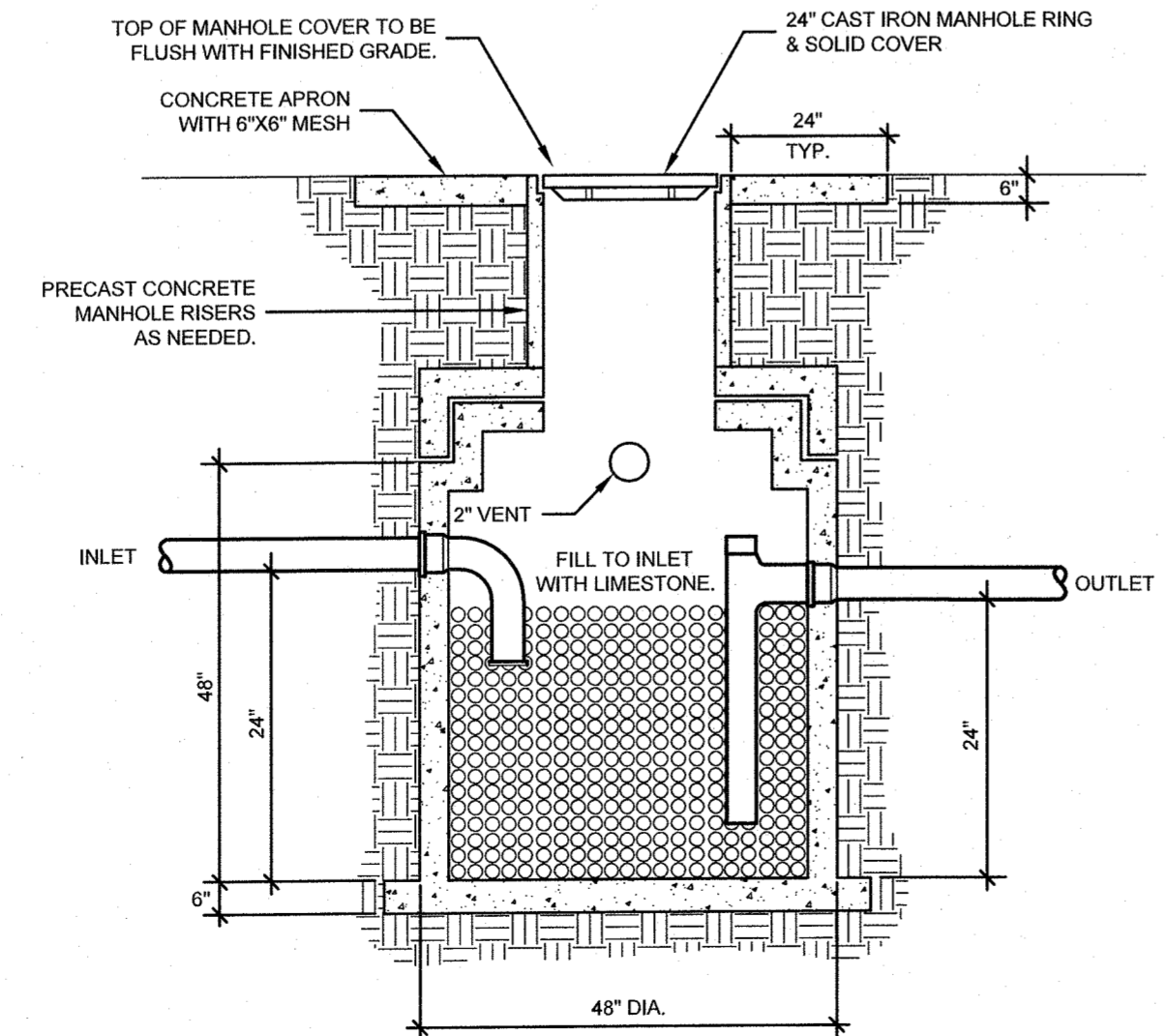


WATER SOFTENER PIPING DETAIL
NO SCALE

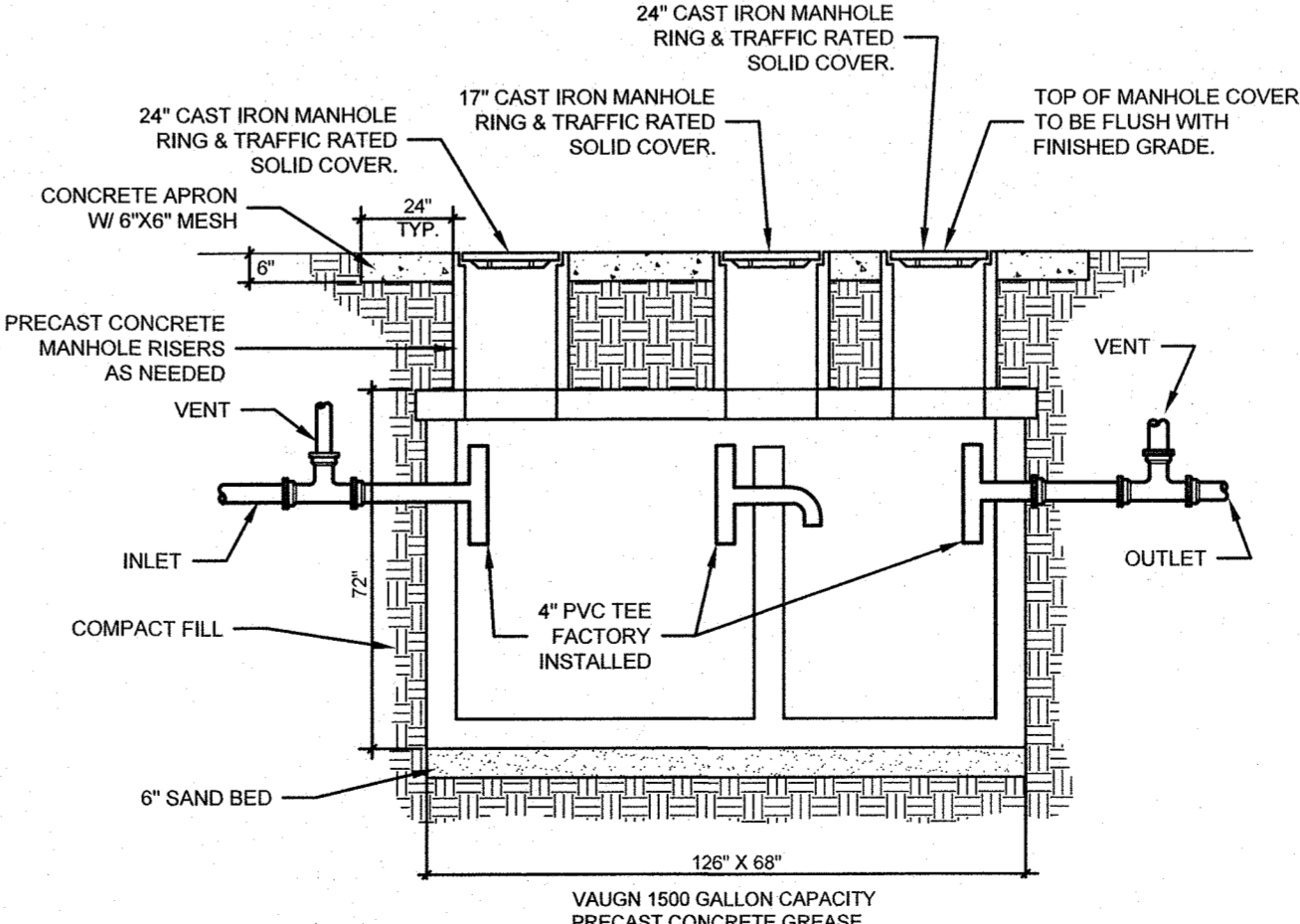
PLUMBING LEGEND	
SYMBOL	DESCRIPTION
VTR ●	VENT THROUGH ROOF
—	SANITARY SOIL LINE (SAN)
- - - -	SANITARY VENT LINE (V)
—	COLD WATER LINE (DCW)
—	HOT WATER LINE (DHW)
—	HOT WATER RETURN LINE (DHC)
G	GAS LINE (G)
F	FIRE LINE (F)
- - - -	LINE TO BE REMOVED (DEMO-SYSTEM)
EXG	EXISTING NATURAL GAS (EXG)
EXSAN	EXISTING SANITARY SOIL (EXSAN)
EXDCW	EXISTING DOMESTIC COLD WATER (EXDCW)
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
AD	ACCESS DOOR
SAN	SANITARY SOIL
V	SANITARY VENT
G	NATURAL GAS
DHC	DOMESTIC HOT WATER CIRCULATING
A.F.F.	ABOVE FINISHED FLOOR
B.F.C.	BELOW FINISHED CEILING
WCO	WALL CLEANOUT
CO	CLEANOUT
DCO	DOUBLE CLEANOUT
●	BALL VALVE
⊕	ELBOW TURNED DOWN
⊖	ELBOW TURNED UP
→	FLOW IN DIRECTION OF ARROW
W/HB	WALL HYDRANT / HOSE BIBB
FD	FLOOR DRAIN/ FLOOR SINK
—	UNION
⊖	VALVE IN BOX
⊖	CHECK VALVE
⊖	GAS COCK
⊖	CONNECT TO EXISTING
GR	GAS REGULATOR FROM 2 lbs TO 8 oz. UNLESS NOTED OTHERWISE (GAS LOAD IN MBTUH)

WATER SOFTENER SCHEDULE																		
MODEL	DIMENSIONS (INCHES)																	
	WIDTH	HEIGHT	DEPTH	TANK DIA.	TANK HEIGHT	INLET/OUTLET PIPE SIZES	DRAIN SIZE	FLOOR TO INLET	BRINE TANK DIA.	BRINE TANK HEIGHT	MAX. CAPACITY KGR @ SALT DOSAGE	RESIN VOLUME ft ³	CONTINUOUS FLOW gpm @ 15 psi drop	PEAK FLOW gpm @ 25 psi drop	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	DUPLEX OPER. WT. lbs.	DUPLEX SHIP. WT. lbs.
CULLIGAN HCE-210-2 DUPLEX	82	80	22.5	21	67.1	2.0	1.0	69.3	24	50	210 @ 105	7	58	76	8	1.0	2950	1310

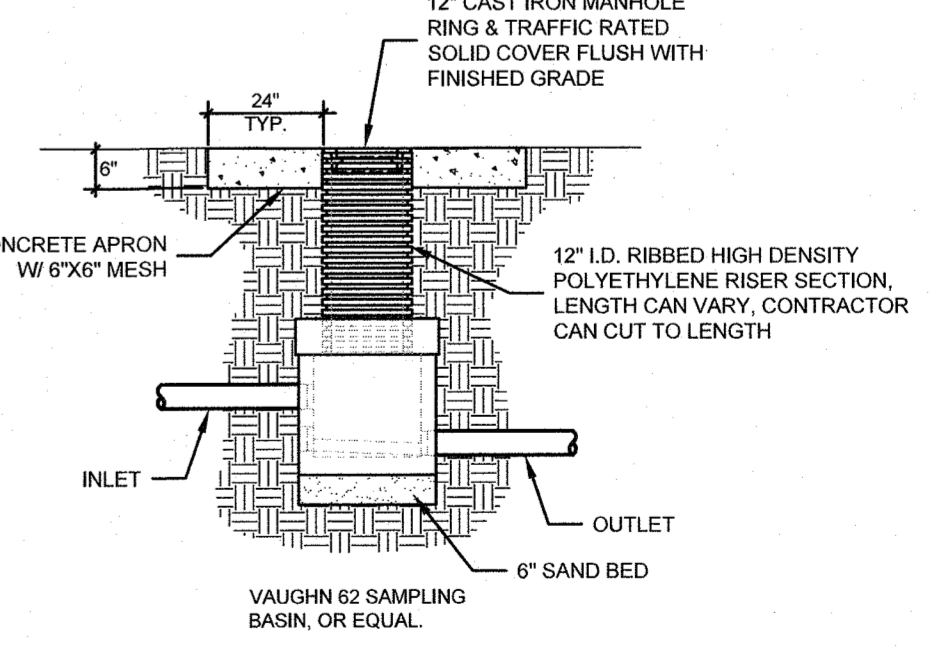
WATER SOFTENER NOTES:
 (1) ALL DIMENSIONS ARE ± 1 INCH (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.
 (2) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF CONTROL VALVE TO FACILITATE SERVICING.
 (3) THE USE OF DISSIMILAR METALS IN A PIPING SYSTEM IS NOT RECOMMENDED. WHERE DISSIMILAR METALS MUST BE CONNECTED IN A WATER SYSTEM, THE USE OF NONCONDUCTIVE (DIELECTRIC) FITTINGS MAY REDUCE GALVANIC CORROSION.
 (4) ALLOW 6-12 INCHES BEHIND THE UNIT FOR PLUMBING AND DRAIN LINES AND 12" ABOVE OVERALL HEIGHT FOR SERVICE ACCESS AND FILLING THE SALT CONTAINER.
 (5) SYSTEM USES FRP TANKS WHICH MUST NOT BE SUBJECTED TO VACUUM. SIPHON BREAK ON DRAIN LINE. INSTALL VACUUM BREAKER ON INLET PIPING IF THE SERVICE LINE IS SUBJECT TO A VACUUM.
 (6) TO PERMIT THE OBSERVATION OF THE DRAIN FLOW DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST FOUR TIMES THE DIAMETER OF THE DRAIN PIPE OR CONFORM TO LOCAL SANITATION CODES.
 (7) BRINE TANK DIMENSIONS SHOWN ARE FOR THE BRINE TANK MOST COMMONLY SELECTED FOR USE WITH THIS SIZE SYSTEM.
 (8) ALTERNATE MANUFACTURERS WILL BE CONSIDERED AND MUST MEET OR EXCEED CONSTRUCTION, PERFORMANCE, AND CAPACITIES OF SPECIFIED SYSTEM.



ACID DILUTION TANK (ADT1) DETAIL
NO SCALE



GREASE INTERCEPTOR DETAIL
NO SCALE



SAMPLE PORT BASIN DETAIL
NO SCALE

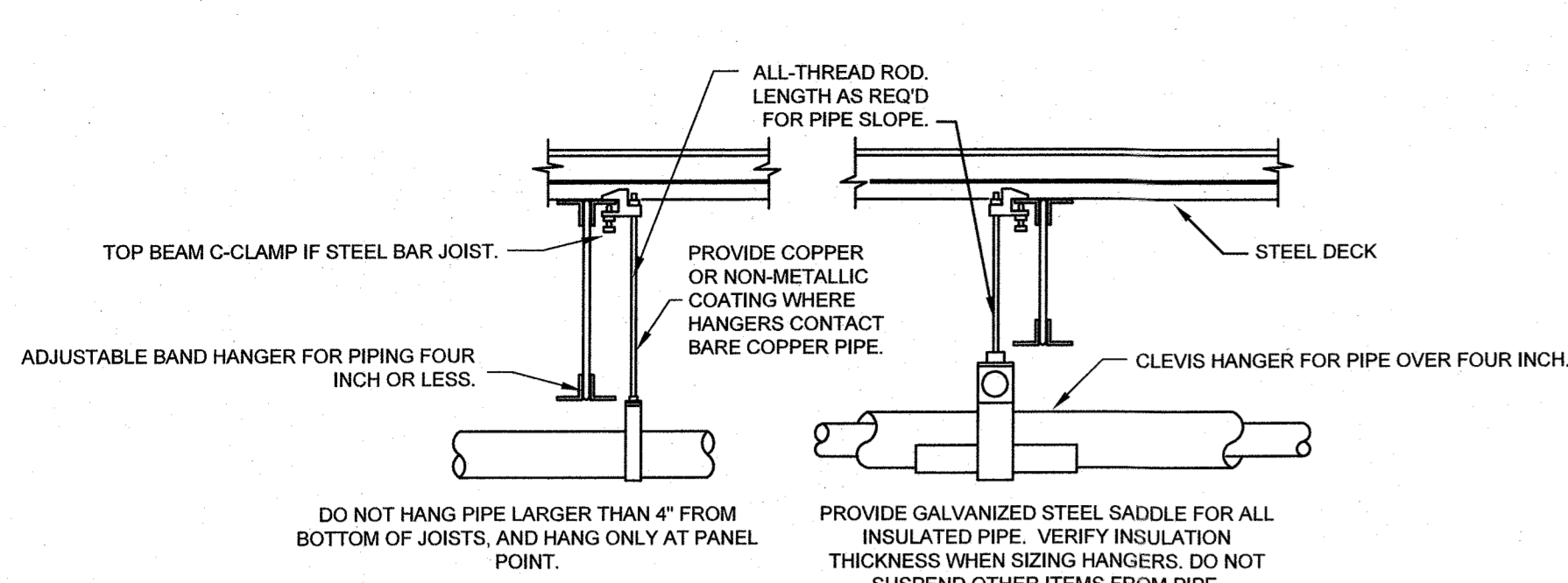
ADDITIONS AND RENOVATIONS TO THE
GORDON I.S.D. CAMPUS
 FOR GORDON I.S.D.
 112 RUSK STREET
 GORDON, TEXAS 76453

DRAWN BY: FINCHER
 DATE: 28 JULY 2022

REVISIONS		
NO.	DESCRIPTION	DATE

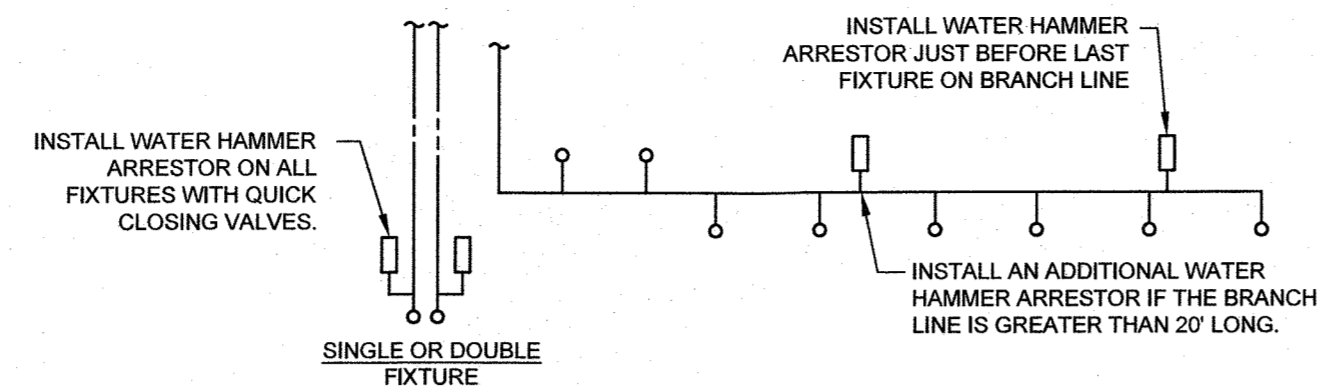
PROJECT NO.
20864.00

SHEET NO.
P503



COMMENTS:
 1. PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. SLOPE ALL WATER PIPING SLIGHTLY TOWARD DRAINABLE LOCATIONS. HANGER SPACING FOR PIPE SIZE: COPPER: 2'-0" 1/2"-8" 1/2"-7" 1'-6" 3/4"-5"; CAST IRON: 10' AND ONE NEAR ALL JOINTS. STEEL: 3'-12" 2'-11" 2'-10" 1'-11" 1'-10" 1'-9" 1'-8" 1'-7" 1'-6" 1'-5" 1'-4" 1'-3" 1'-2" 1'-1". LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. PROVIDE SEISMIC BRACING AS REQUIRED BY LOCAL AUTHORITIES. CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE. DO NOT SUSPEND PIPE FROM JOIST BRACING MEMBERS. REFER TO CODES AND SPECIFICATIONS FOR FURTHER INFORMATION.

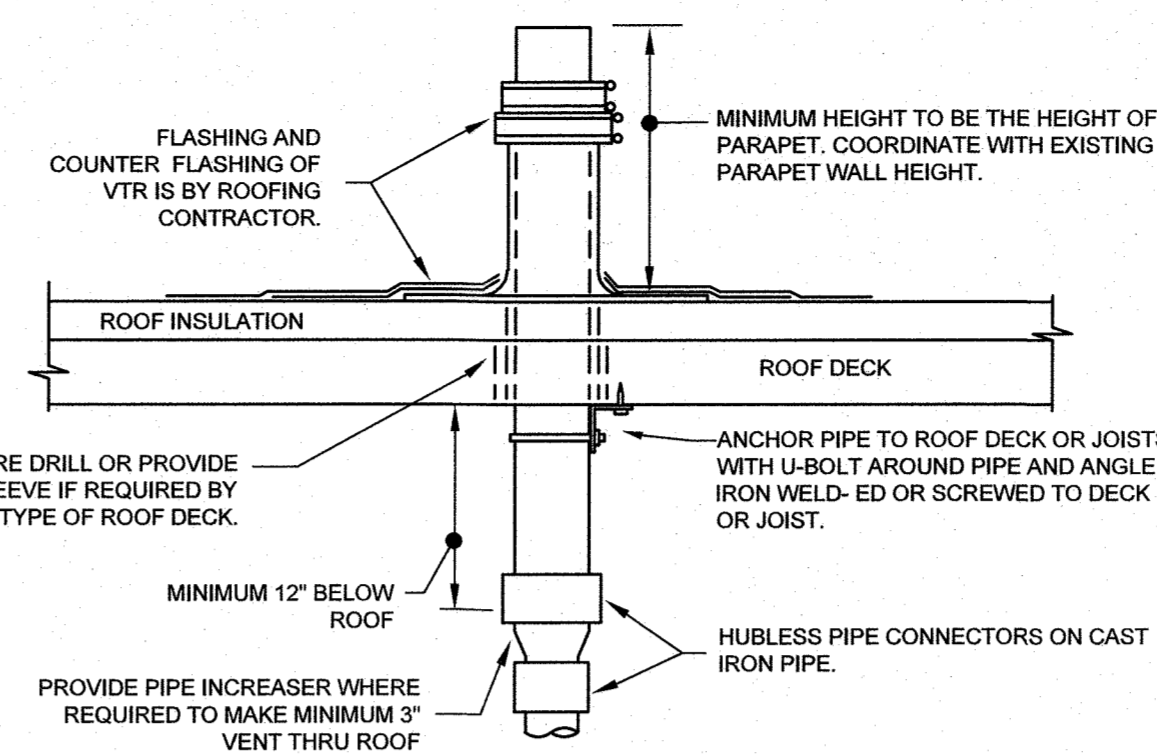
PIPE HANGER DETAIL
NO SCALE



SINGLE OR DOUBLE FIXTURE			MULTIPLE FIXTURES		
PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD	WATER SUPPLY FIXTURE UNIT (WSFU)		
			FIXTURE	COLD	HOT
A	1/2"	1-11	WATER CLOSET	5	--
B	3/4"	12-32	URINAL	4	--
C	1"	33-60	LAVATORY/SINK	1.5	1.5
D	1-1/4"	61-113	JANITOR'S SINK	3	3
E	1-1/2"	114-154			
F	2"	154-330			

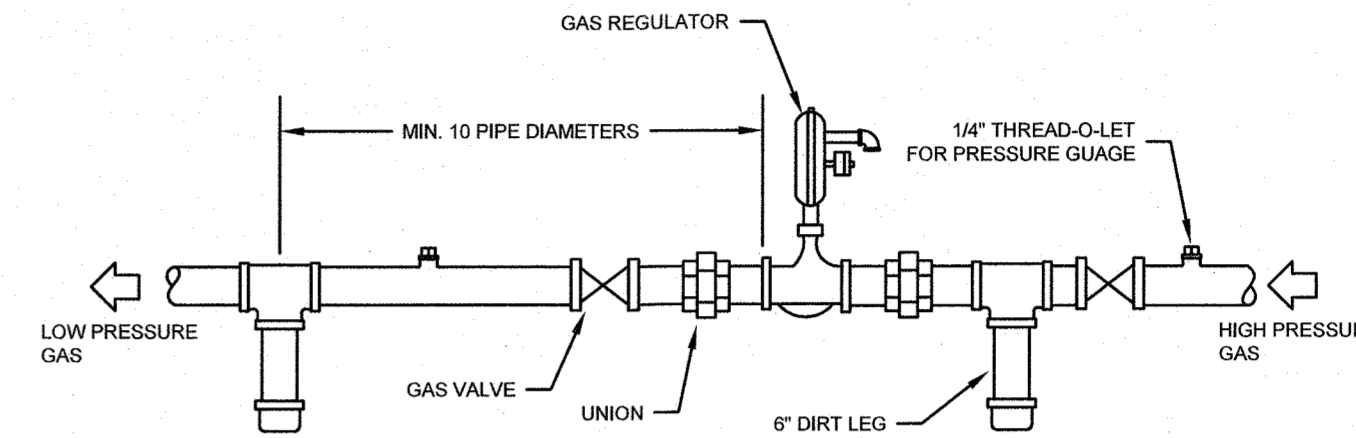
COMMENTS:
 1. WATER HAMMER ARRESTERS SHALL BE HAVE PISTON AND O-RING CONSTRUCTION WITH PDI #WH-201, ASSE # 1010 AND ANSI # A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. SIZE THE UNITS AS SHOWN PER THE TABLES SHOWN ABOVE.

WATER HAMMER ARRESTER DETAIL
NO SCALE

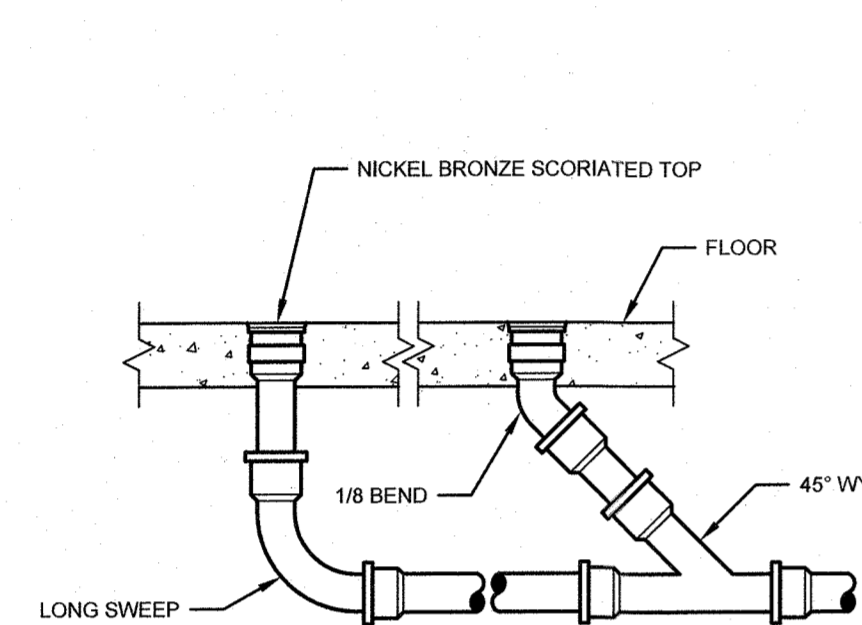


COMMENTS:
 1. REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

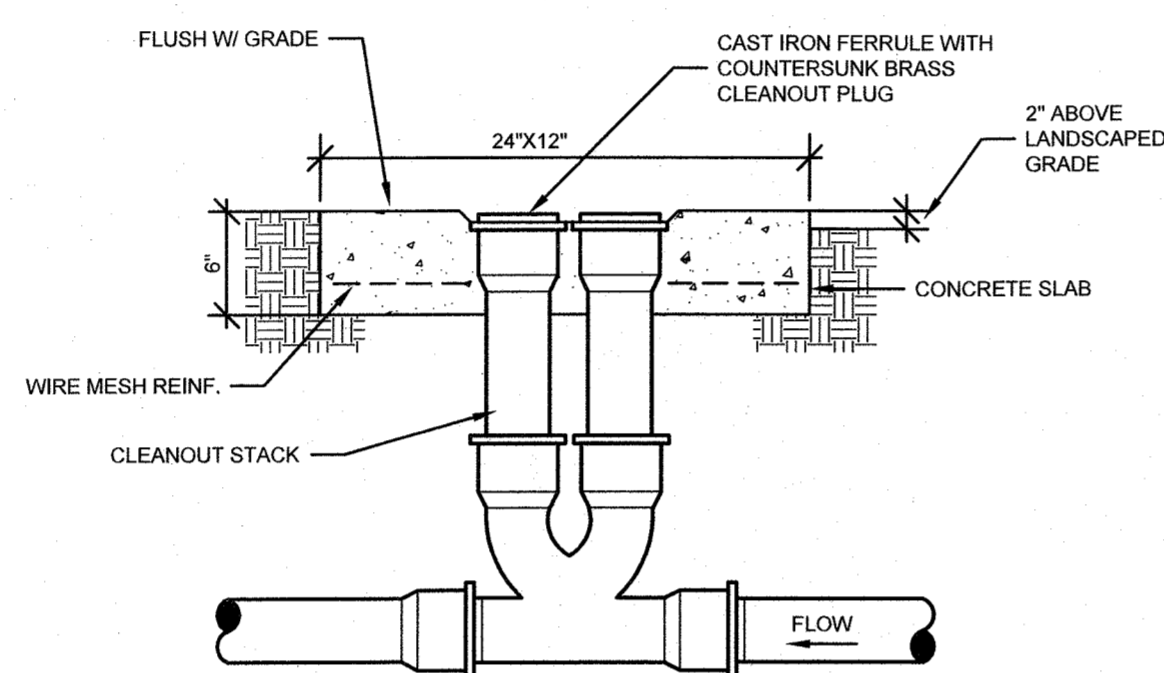
VENT THRU ROOF (VTR) DETAIL
NO SCALE



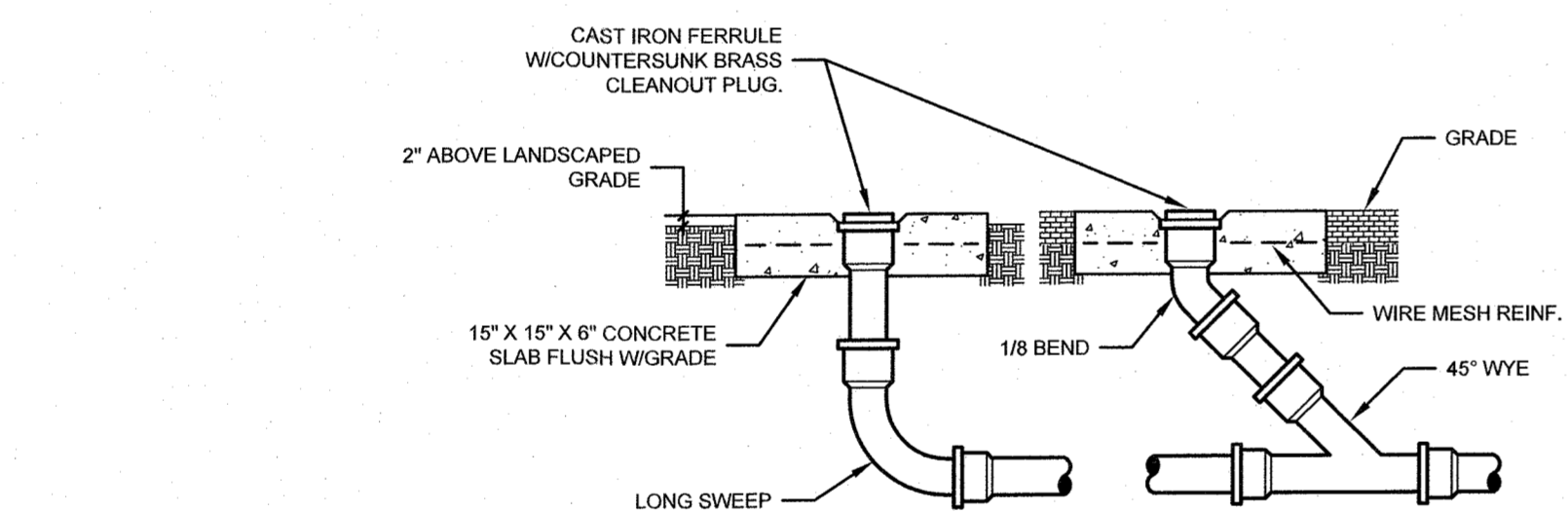
GAS PRESSURE REGULATOR
NO SCALE



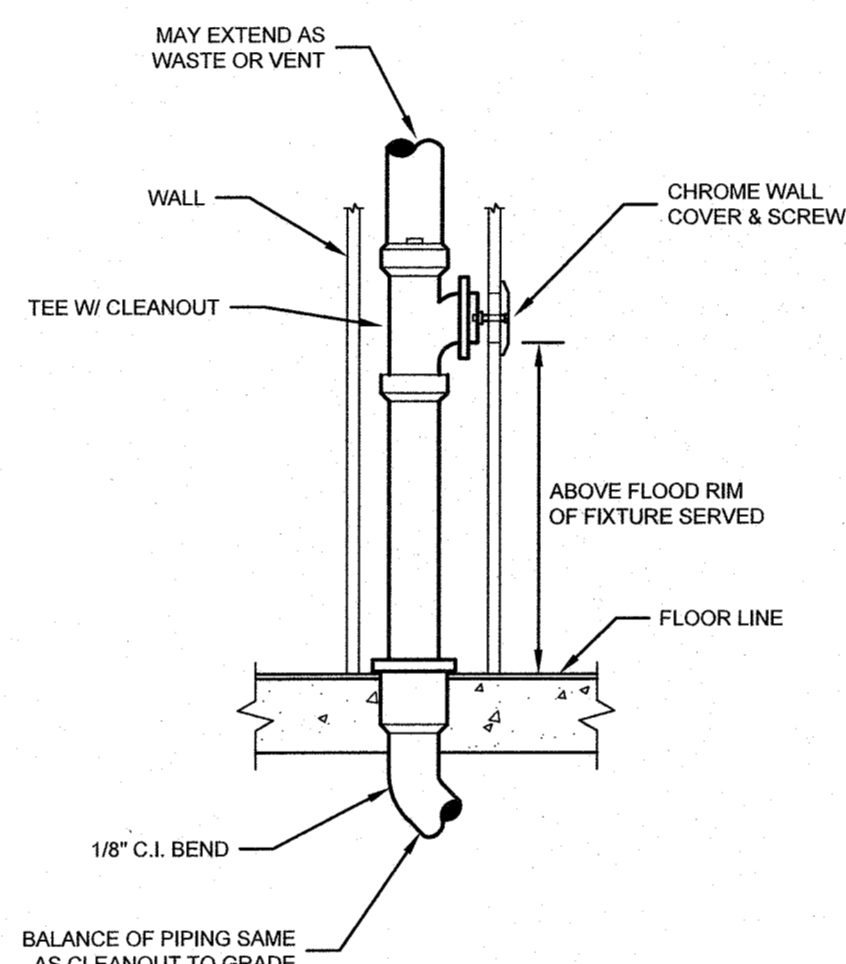
INTERIOR CLEANOUT DETAIL
NO SCALE



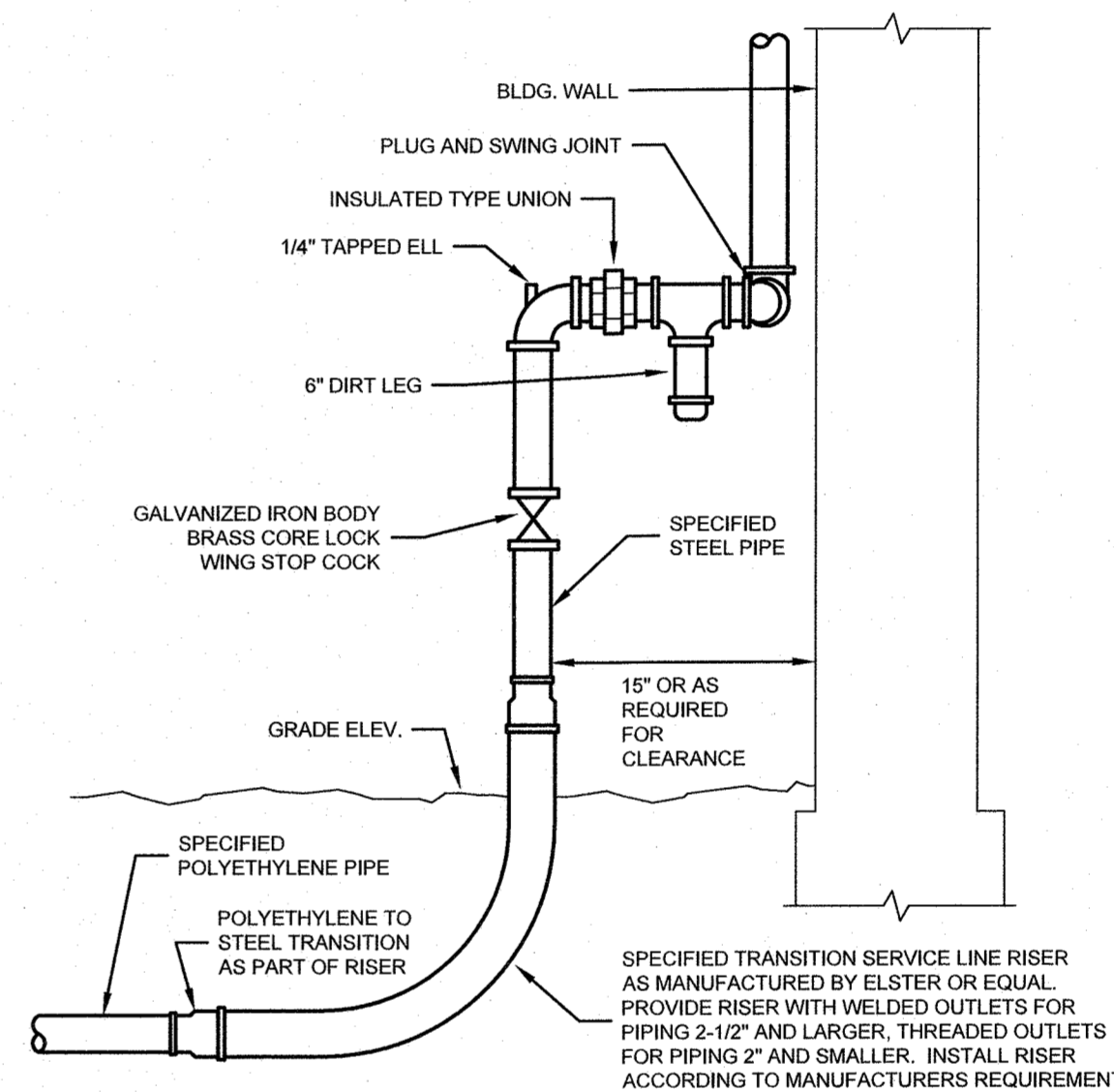
TYPICAL TWO WAY CLEANOUT
NO SCALE



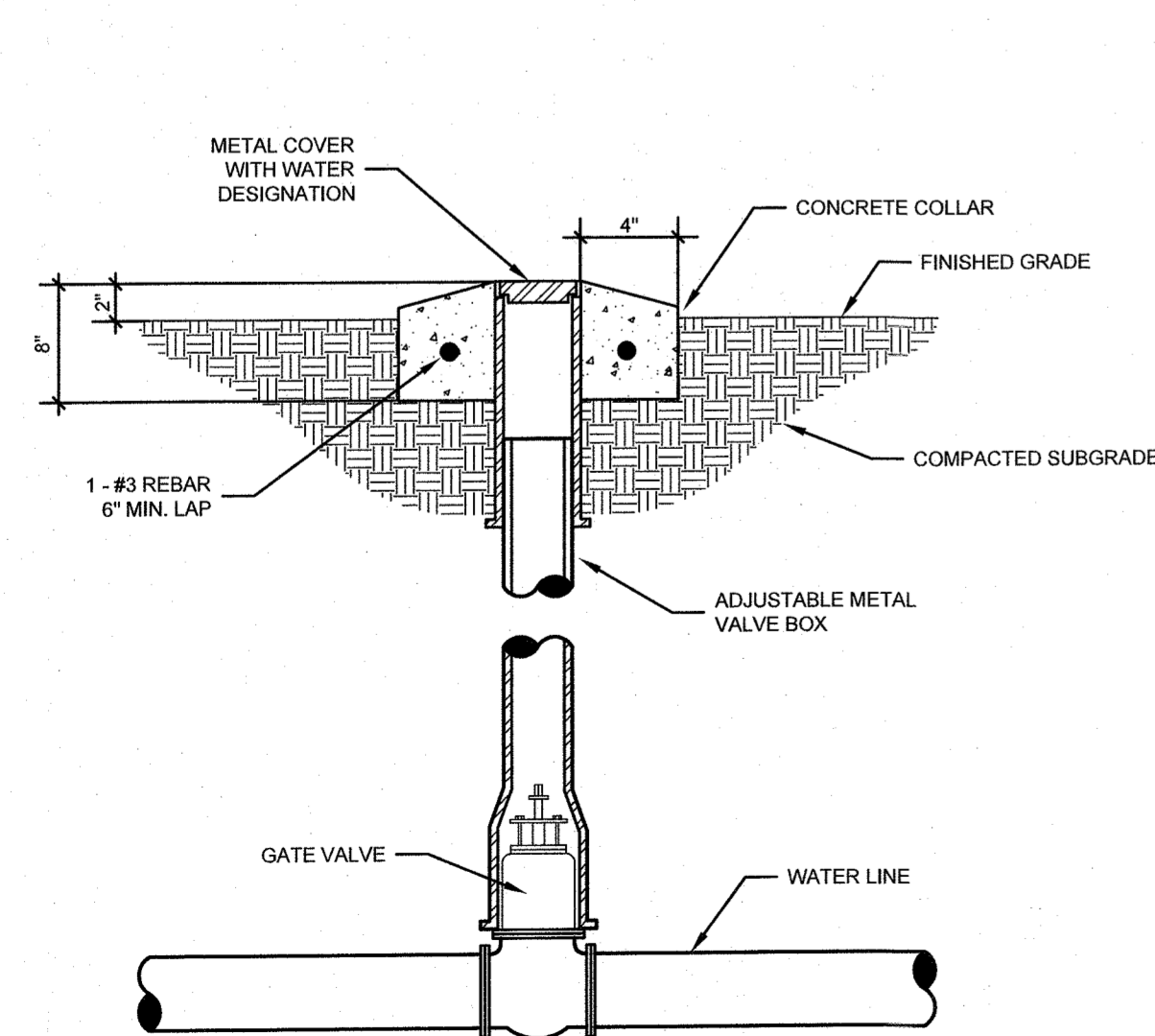
EXTERIOR CLEANOUT DETAIL
NO SCALE



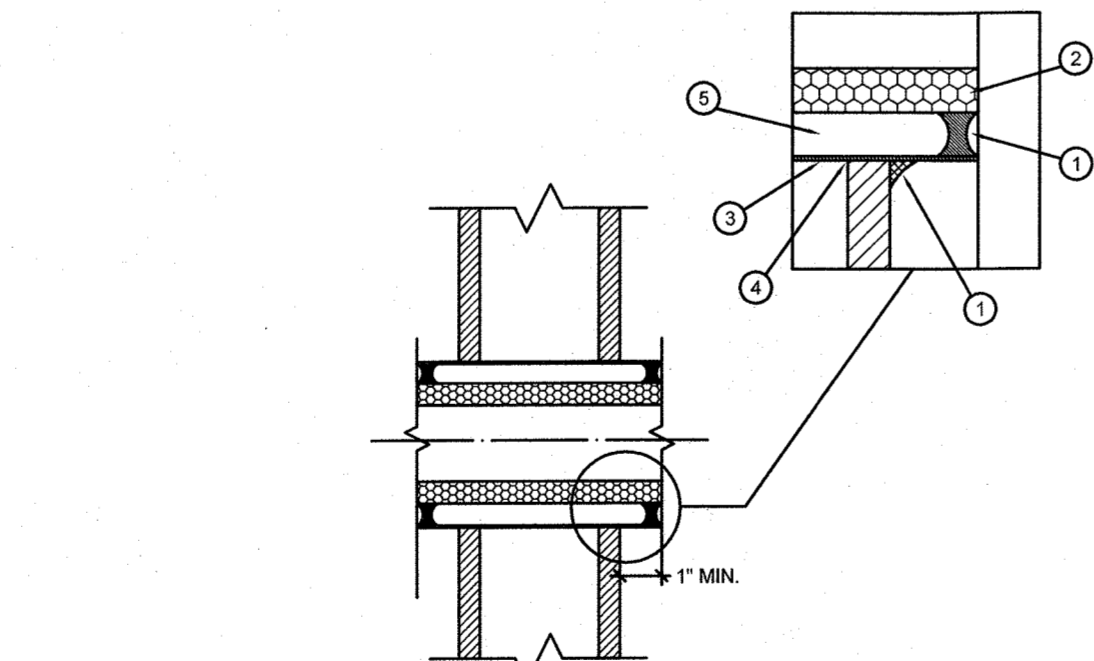
WALL CLEANOUT DETAIL
NO SCALE



GAS SERVICE RISER
NO SCALE



VALVE BOX DETAIL
NO SCALE



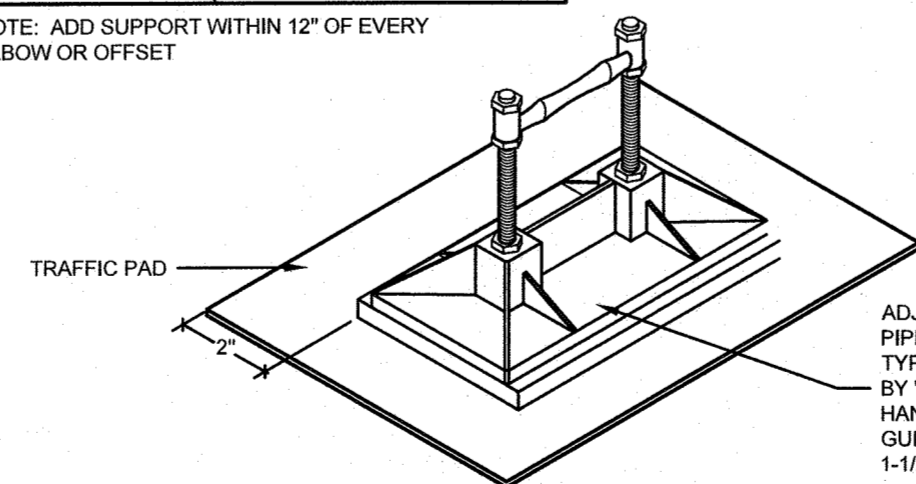
PIPE SLEEVE THRU WALL DETAIL
NO SCALE

PIPE SLEEVE THRU WALL DETAIL GENERAL NOTES

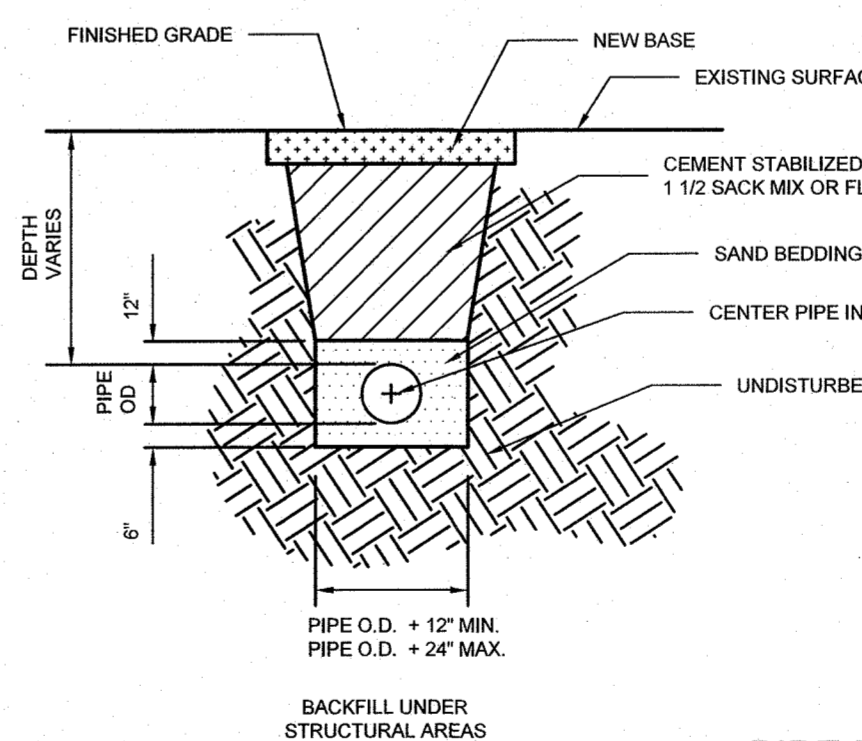
1. CAULK CONTINUOUS WITH 3M # 2000 FIRE PROOF 1/2" BEAD (MADE BY 3M COMPANY.)
2. CONTINUOUS INSULATION THROUGH WALL PENETRATION FOR PIPING THAT REQUIRES INSULATION.
3. 16 GA. PIPE MINIMUM FOR SLEEVES.
4. HOLES WILL BE CORED (DRY OR WET NO HAMMER DRILL PENETRATION. PENETRATIONS WILL FIT SNUG TO SLEEVE.
5. MAX. 1/4" ANNULAR SPACE BETWEEN INSULATION AND PIPE FOR NON INSULATED LINES FOR EXAMPLE (AIR, GAS, VAC, ELEC.)

SUPPORTS FOR GAS PIPING	
PIPE SIZE	MAX. DIST. BETWEEN SUPPORTS
3/4" OR 1"	8 FEET
1-1/4" OR LARGER	10 FEET

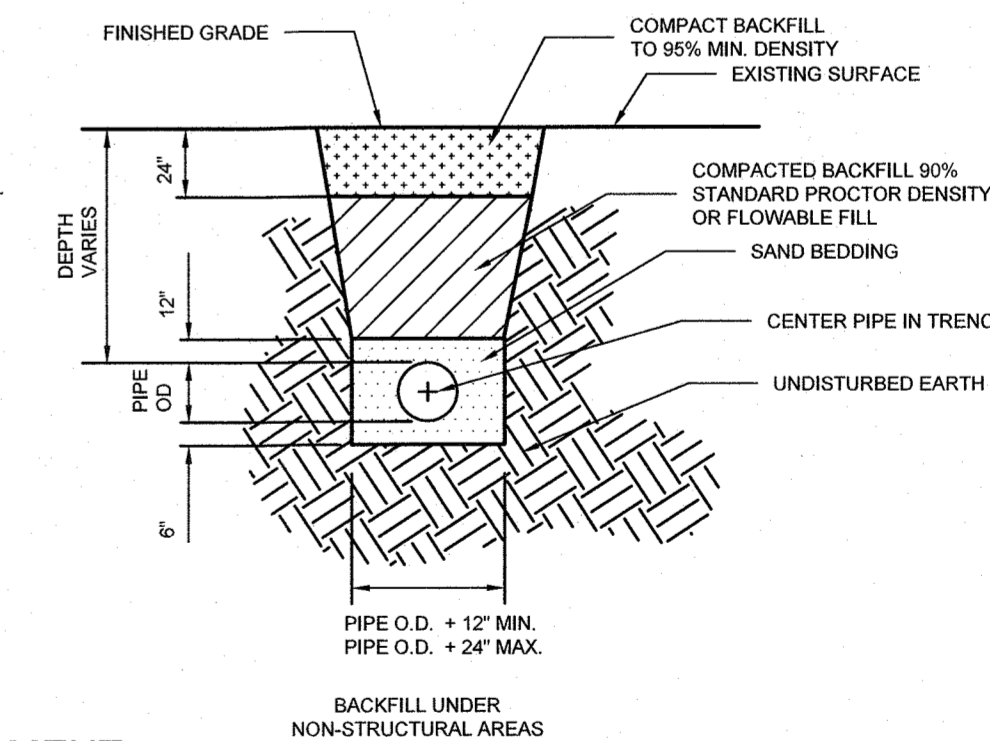
NOTE: ADD SUPPORT WITHIN 12" OF EVERY ELBOW OR OFFSET



ROOF MOUNTED GAS PIPE SUPPORT DETAIL
NO SCALE

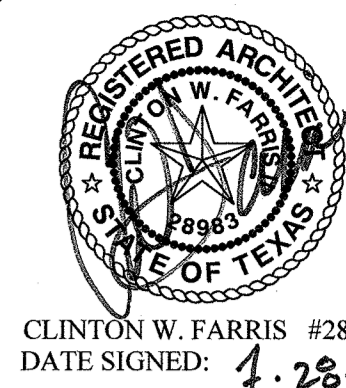
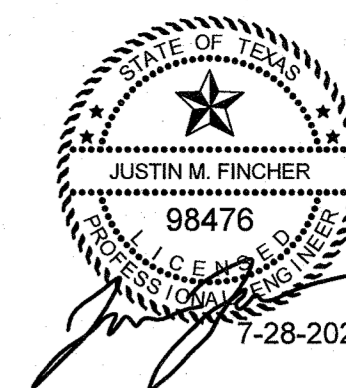


PIPE EMBEDMENT
NO SCALE



PIPE EMBEDMENT NOTES

- A. THE EXISTING PAVING SURFACE SHALL BE SAW CUT IN A STRAIGHT LINE. A MINIMUM OF 12" WIDER THAN THE UNDISTURBED SIDES OF THE TRENCH, SYMMETRICAL ABOUT THE CENTER-LINE OF THE EXCAVATION.
- B. ANY CONCRETE PAVING SHALL BE SAW CUT 6" WIDER THAN UNDISTURBED SIDES OF EXCAVATION.
- C. IF EXCAVATION AREA IS OPEN FOR TEMPORARY PUBLIC USE THE SURFACE SHALL BE MAINTAINED LEVEL WITH ADJACENT RIDING SURFACE WITH COLD MIX OR FLEXIBLE BASE MATERIAL.
- D. ROAD BASE AND SURFACE MATERIALS SHALL BE REPLACED IN KIND OF EQUAL THICKNESS WITH MINIMUM BASE THICKNESS OF 6".
- E. INSTALL DETECTOR TAPE AND TRACE WIRE PER SPECIFICATION.



HFA
 ESTABLISHED 1962
 ARCHITECTS - PROGRAMMERS - PLANNERS
 4724 OLD JACKSBORO HIGHWAY
 WICHITA FALLS, TEXAS 76702-3599
 VOICE: 940.767.1421 FAX: 940.397.0273
 WEB: www.hfa1962.com

FINCHER
 ENGINEERING, LLC
 FINCHER ENGINEERING, LLC
 TX FIRM #F-16408
 5621 114TH ST., SUITE 100
 LUBBOCK, TX 79424
 PH: 806-701-5109
 WWW.FINCHERENG.COM

ADDITIONS AND RENOVATIONS TO THE
GORDON I.S.D. CAMPUS
 FOR GORDON I.S.D.
 112 RUSK STREET
 GORDON, TEXAS 76453

DRAWN BY: FINCHER

DATE: 28 JULY 2022

REVISIONS		
NO.	DESCRIPTION	DATE

PROJECT NO.
20864.00

SHEET NO.

P504