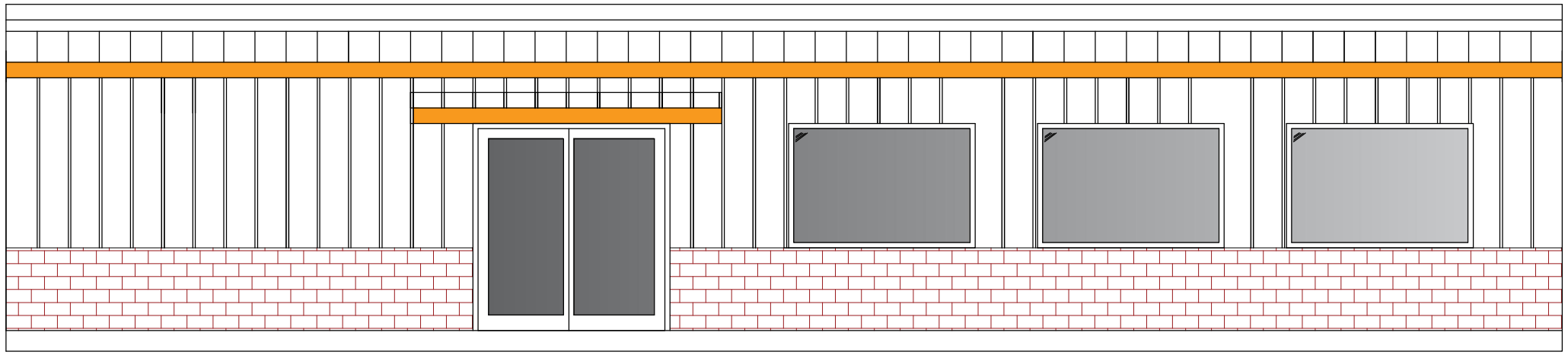
CHEVRON STATION



PROPOSED ADDITION FOR
100 N FOREST HILL DR

AGHA ENTERPRISE LLC

N89° 21’19”E 229.83’

N. Forest Hill

N0° 41’41”W 192.49’’

S0° 41’41”E 191.29’’

20 door cooler

LIQUOR STORE
3110sf

Liquor Store

PROPOSED
RESTAURANT
2527sf

RETAIL
1017sf

RETAIL
1017sf

RETAIL
1017sf

RETAIL
1017sf

108 N. Forest
Hill Dr, Everman

30 Parking

Office

Storage

Addition

Existing
Chrevron
Station

S89° 3’19”E 229.83’

E. Enon Ave

Site Plan

SCALE: 1”–0” = 20’

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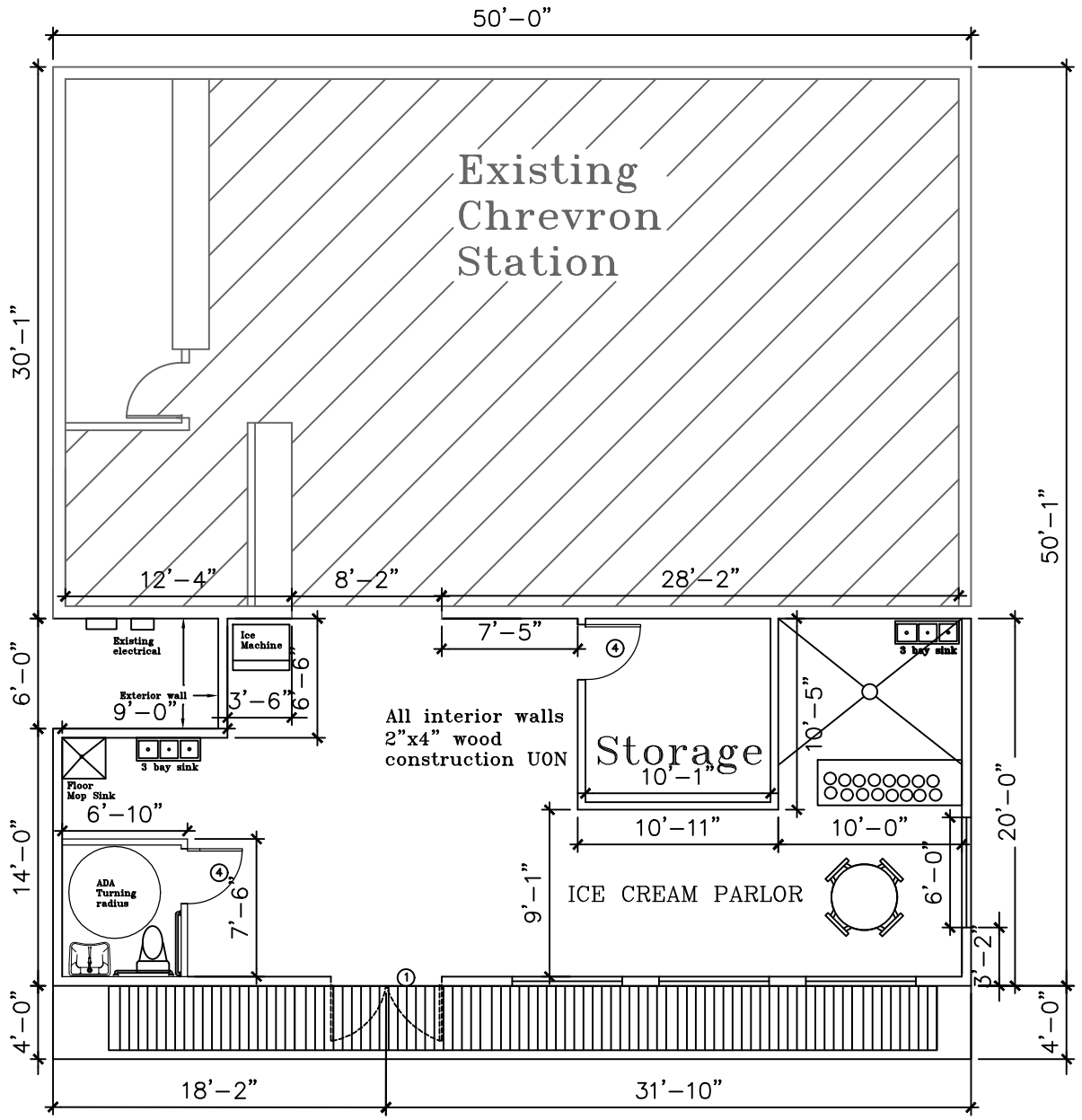
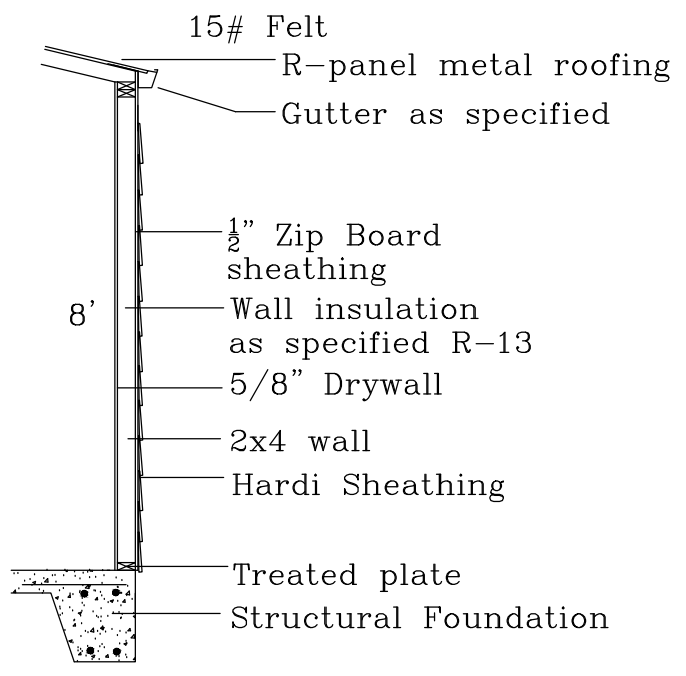
Site

AREA DATA	(IN SQUARE FT.)
FIRST FLOOR	937 S.F.
TOTAL A/C	937 S.F.
TOTAL AREA UNDER ROOF	937 S.F.

Notes:
-Floor to be stained concrete, color to be determined by owner
-Exterior walk way to be a light broom finish on concrete





Wall Section

SCALE: NTS

DOOR SCHEDULE			
SYM.	QTY.	SIZE	DESCRIPTION
①		3'-0" X 6'-8" X 1 5/8"	Ext Store front metal
②		3'-0" X 6'-8" X 1 5/8"	EXTERIOR metal door
③		2'-8" X 6'-8" X 1 5/8"	EXTERIOR AS SELECTED
④		3'-0" X 6'-8" X 1 3/8"	INTERIOR Solid Core
⑤		2'-6" X 6'-8" X 1 3/8"	INTERIOR AS SELECTED
⑥		2'-0" X 6'-8" X 1 3/8"	INTERIOR AS SELECTED
⑪		2-1'-6" X 6'-8" X 1 3/8"	INTERIOR AS SELECTED
⑫		2'-8" X 6'-8" X 1 3/8"	INT POCKET AS SELECTED

Floor Plan

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

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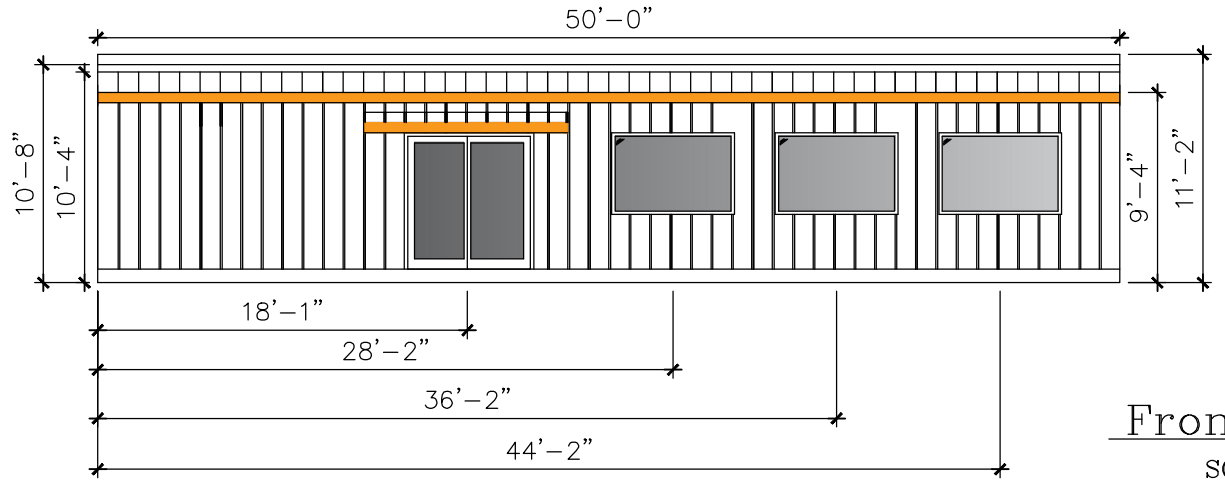
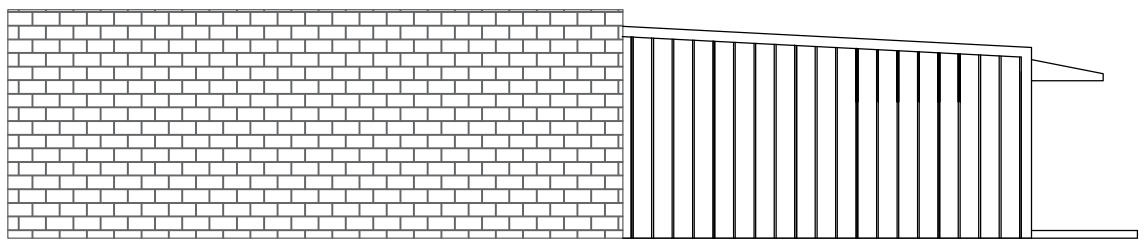


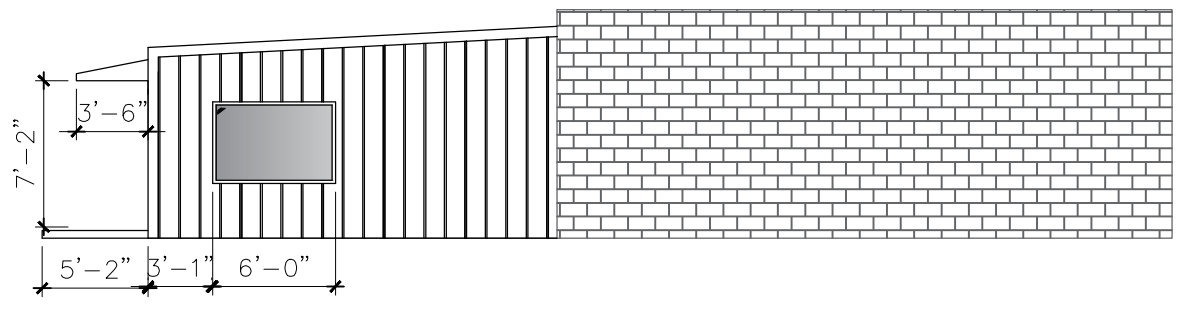
Front Elevation

SCALE: 3/32” = 1’–0”



Left Elevation

SCALE: 3/32” = 1’–0”



Right Elevation

SCALE: 3/32” = 1’–0”

Elevations

SCALE: 3/32” = 1’–0”

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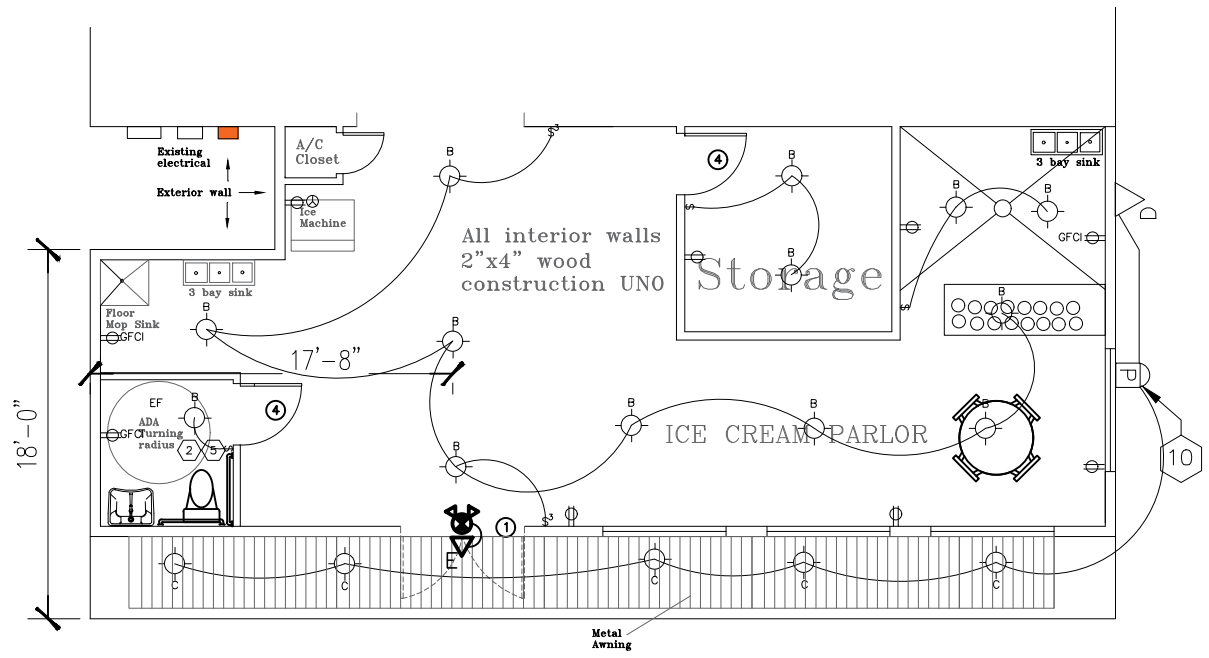
LIGHT FIXTURE SCHEDULE

MARK	DESCRIPTION	LAMPS					WATTS PER FIXTURE	MANUFACTURER & MODEL	NOTES
		QTY	TYPE	VOLT	COLOR	LUMENS			
A	2' HIGH–BAY LED LIGHT FIXTURE 18,000 LUMENS 5000K W/360° OCCUPANCY SENSOR AND PHOTOCELL DIMMER	(1)	LED	MVOLT	5000K	19,863	136.1	LITHONIA LIGHTING: IBE L24 18000LM ATC MD MVOLT GZ10 50K 80CRI LAPZU DWH	2
B	4" ROUND SURFACE MOUNT DOWNLIGHT W/SELECTABLE LAMP COLOR & WHITE TRIM	(1)	LED	120	5000K	763	9.3	COOPER LIGHTING: SMD4R69SWHSMD4RTRMWH	–
C	6" ROUND SURFACE MOUNT DOWNLIGHT W/WHITE TRIM	(1)	LED	MVOLT	5000K	1,252	15.7	COOPER LIGHTING: SMD6R12950WHESMD6RTRMWH	–
D	WALL PACK OUTDOOR	(1)	LED	MVOLT	5000K	6,950	54	LITHONIA LIGHTING: TWX2 LED ALO 50K MVOLT DDBXD	–
E	OUTDOOR EMERGENCY EXIT LITE + "NORMALLY ON" LIGHT, W/PHOTOCELL	(1)	LED	MVOLT	5000K	1,080	11	THE LIGHTING SOURCE BLT ACBB BR AT CL	–
F	4' STRIP LIGHT FIXTURE	(1)	LED	MVOLT	4000K	4,298	35.3	LITHONIA LIGHTING: CSS L48 4000LM MVOLT 40K 80CRI	3
G	6" SQUARE SURFACE MOUNT DOWNLIGHT WITH EMERG. BATTERY BCKUP	(1)	LED	MVOLT	4000K	1,215	18.3	COOPER LIGHTING: SMD6S129SWHE–EM	4
	LED EXIT UNIT COMBO RED LETTERS LIGHT WITH 3W OF REMOTE CAPACITY	(1)	LED	MVOLT	–	–	4.3	LITHONIA LIGHTING LHQM LED R HO M6	1
	SURFACE, CEILING, WALL MOUNTED EGRESS LIGHT	(1)	LED	UVOLT	–	1100	3	LITHONIA LIGHTING: ELM6L UVOLT LTP	–

SCHEDULE NOTES:
1. INSTALL CENTERED ABOVE DOOR FRAME. BOTTOM OF FIXTURE 4" ABOVE TOP OF DOOR FRAME.
2. INSTALL WITH AIRCRAFT CABLE FROM ROOF STRUCTURE ABOVE. TOP OF FIXTURE AT 16'–0"A.F.F.
3. INSTALL WITH AIRCRAFT CABLE OR CHAIN FROM ROOF STRUCTURE.
4 SFLFCTABLE CCT (COLOR)



Electrical Plan

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	2'x4' FLUORESCENT FIXTURE
	WALL MOUNTED FIXTURE
	EXIT LIGHT
	RECESSED CAN CEILING FIXTURE
	SURFACE MOUNTED CEILING FIXTURE
	WALL MOUNTED EMERGENCY FIXTURE
	WALL SCONCE FIXTURE
$	SINGLE POLE TOGGLE SWITCH 48" A.F.F. U.N.O.
$3	THREE–WAY TOGGLE SWITCH 48" A.F.F. U.N.O.
P	PHOTOCELL SWITCH
	SINGLE RECEPTACLE 18" A.F.F.
	DUPLEX RECEPTACLE 18" A.F.F.
	DUPLEX RECEPTACLE EMERGENCY POWER
42"	DUPLEX RECEPTACLE 42" A.F.F.
	FLOOR MOUNTED DUPLEX RECEPTACLE
	QUADRUPLEX RECEPTACLE
	240 VOLT RECEPTACLE
	TELEPHONE JACK
	FLOOR MOUNTED TELEPHONE JACK
	DATA
	FLOOR MOUNTED DATA
	DATA/PHONE JACK
	FLOOR MOUNTED DATA/PHONE JACK
	LONG=HOT, SHORT=NEUTRAL
NL	NIGHT LIGHT
M	MOTION DETECTOR
C	CONTACT CIRCUIT
D	DURESS BUTTON
S	CEILING SPEAKER
SD	SMOKE DETECTOR
FACP	FIRE ALARM CONTROL PANEL
F	FIRE PULL STATION
HD	HEAT DETECTOR
A	AUDIO ACCESS POINT
DD	DUCT DETECTOR
V	VISUAL STROBE
	HORN
V	VISUAL STROBE W/ HORN
J	JUNCTION BOX
	DISCONNECT
	MOTOR
	ELECTRIC PANEL
	TV HOOK–UP
	CRT HOOK–UP
	CHASE FOR POWER/PHONE/DATA
	SECURITY CAMERA
GFCI	GROUND FAULT CIRCUIT INTERUPT
AFF	ABOVE FINISH FLOOR
EF	EXHAUST FAN
WP	WEATHER PROOF
CAS	CONTROLLED ACCESS SYSTEM

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GENERAL ELECTRICAL NOTES

1. FIXTURES AS PER SCHEDULE OR APPROVED EQUAL.
2. FIXTURES SHALL BE COMPLETE WITH LAMPS.
3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO CONNECT ELECTRICAL POWER TO ALL MECHANICAL EQUIPMENT.
4. ALL WIRING, CONDUIT, LABOR AND MATERIALS NOT SHOWN ON PLAN, BUT NECESSARY FOR COMPLETE AND PROPER OPERATIONS OF THE ELECTRICAL SYSTEM SHALL BE CONSIDERED AS PART OF THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY.
5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND INSTALL ALL CONDUIT REQUIRED FOR THE TELEPHONES AND DATA..
6. ALL WORK AS PER GENERAL SPECIFICATIONS AND ALL NATIONAL, STATE AND LOCAL CODES.
7. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING A BID.
8. BEFORE CONSTRUCTION BEGINS, THE ELECTRICAL CONTRACTOR SHALL PERSONALLY CONTACT THE POWER COMPANY IN ORDER TO VERIFY AND COORDINATE THE INSTALLATION OF THE MAIN ELECTRICAL SERVICE, METER LOCATION, VOLTAGE AND PHASE, TRANSFORMER TYPE AND TRANSFORMER PLACEMENT IN RELATION TO THE BUILDING. THIS ENGINEER ASSUMES NO FINANCIAL LIABILITY FOR POWER COMPANY CHANGES TO THE ELECTRICAL SERVICE OF THIS STRUCTURE.
9. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 AMP SINGLE PHASE TEMPORARY ELECTRICAL SERVICE AND WEATHER PROOF OUTLETS. COORDINATE LOCATION WITH POWER COMPANY. INCLUDE ALL FEES FOR TEMPORARY SERVICE IN THE BASE BID. REMOVE TEMP SERVICE AFTER MAIN SERVICE BECOMES USABLE.
10. THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL TEMPORARY CONSTRUCTION LIGHTING PER O.S.H.A. AND CITY MINIMUM LIGHTING LEVELS IN THE BASE CONTRACT.
11. THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL A WORKING P/A SYSTEM.
12. ALL ELECTRICAL EQUIPMENT W/ A MICRO PROCESSOR INCLUDING, BUT NOT LIMITED TO COMPUTERS, CASH REGISTERS, & A/V EQUIPMENT SHALL HAVE A FULL SIZE ISOLATED GROUND.
13. TAMPER-RESISTANT RECEPTACLES. ALL 15 AMP AND 20 AMP, 125 AND 250 VOLT NON LOCKING-TYPE RECEPTACLES IN THE AREAS SPECIFIED IN 2020 NEC 406.12(1) THROUGH (7) SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES.

NOTES BY SYMBOL "⟨X⟩"

⟨1⟩ LOCATE AND INSTALL LIGHT FIXTURES SUSPENDED FROM ROOF STRUCTURE ABOVE VIA AIRCRAFT CABLE. LOCATE TOP OF FIXTURE AT 16'-0" A.F.F.

⟨2⟩ POWER AND CONTROL TOILET EXHAUST FAN EF1 FROM TOILET LIGHT CIRCUIT AND SWITCH.

⟨3⟩ PROVIDE AND INSTALL OCCUPANCY SENSOR LIGHT SWITCH COMBINATION FAN CONTROL. SENSOR SWITCH WALL SWITCH #WSX PDT 2P FAN ASHRT WH. OR EQUAL. SET POLE #1 LIGHTS 'AUTO ON' THEN 'AUTO OFF' WHEN OCCUPANCY IS NO LONGER DETECTED. POLE #2 FAN 'AUTO ON' TO A MINIMUM FAN RUN TIME PER ASHRAE 62.2.

⟨4⟩ PROVIDE AND INSTALL OCCUPANCY SENSOR LIGHT SWITCH W/DIMMING CAPABILITIES. SENSOR SWITCH WALL SWITCH #WSX PDT D VA WH OR EQUAL

⟨5⟩ PROVIDE AND INSTALL OCCUPANCY SENSOR WALL LIGHT SWITCH. SENSOR SWITCH #WSX PDT SA WH OR EQUAL.

⟨6⟩ CIRCUIT ALL EMERGENCY EGRESS LIGHTING TO PANEL HA CIRCUIT #1.

⟨7⟩ PROVIDE AND INSTALL 15A LIGHT SWITCH WITH PILOT LITE AT 48" ABOVE SHOP FLOOR FOR ATTIC LIGHTING. LEVITON 1201-PLC 15 AMP, 120V OR EQUAL.

⟨8⟩ CIRCUIT TO SHOP LIGHTING RE: PLAN 1/E1.0 FOR CONTINUATION.

⟨9⟩ CIRCUIT TO ATTIC LIGHTING RE: PLAN 2/E1.0 FOR CONTINUATION.

⟨10⟩ OUTDOOR LIGHTING CONTROL TO BE ACCOMPLISHED WITH PHOTOCONTROL. INTERMATIC NIGHTFOX ELECTRONIC PHOTOCONTROL #EK4236S MOUNTED TO WEATHER PROOF OUTDOOR BOX ON EDGE OF ROOF OR MOUNTED TO TOP OF ROOF PARAPET.

⟨11⟩ PROVIDE AND INSTALL J-BOX W/COVER TO WALL AT 15'-6 A.F.F. INSIDE BUILDING FOR SECURITY CAMERA CABLE ROUTING. ROUTE AND CONNECT 3/4" CONDUIT FROM J-BOX TO JBOX PULL TAPE INSTALLED. INSTALL CAT6 CABLE IN CONDUIT UNLESS INSTRUCTED OTHERWIISE BY OWNER. INSTALL CONNECTORS ON END FOR CONNECTION TO VIDEO EQUIPMENT.

⟨12⟩ PROVIDE AND INSTALL 3/4"CONDUIT, ROUTE FROM SOUTH WEST J-BOX THROUGH CEILING ABOVE PHONE & DATA BOARD IN OFFICE. LEAVE 10' HANGING LOOSELY FINAL CONNECTOR INSTALLATION TO BE COMPLETE BY OWNER SECURITY INSTALLER, UNLESS INSTRUCTED OTHERWISE.

⟨13⟩ PROVIDE AND INSTALL WEATHER PROOF J-BOX WITH COVER TO EXTERIOR OF BUILDING AT 15'-6" A.F.F.. OUTSIDE BUILDING FOR SECURITY CAMERA CABLE ROUTING. ROUTE AND CONNECT 3/4" CONDUIT J-BOX TO j-BOX W/PULL TAPE INSTALLED. INSTALL CAT6 CABLE J-BOX TO J-BOX UNLESS INSTRUCTED OTHERWISE BY OWNER. INSTALL CONNECTORS ON ENDS AT EACH J BOX FOR CONNECTION TO VIDEO EQUIPMENT

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E-2

NOTES BY SYMBOL "(X)"

(1) 4" BUILDING SEWER. ROUTE AND CONNECT TO CITY SEWER MAIN AS DIRECTED BY PROVIDER.

(2) 3/4" WATER SUPPLY. ROUTE AND CONNECT TO EXISTING WATER LINE AS DIRECTED BY PROVIDER.

(3) NATURAL GAS METER LOCATION. FIELD VERIFY WITH PROVIDER. CONNECT BUILDING NATURAL GAS LINES TO METER. XXXXMBH REQUIRED.

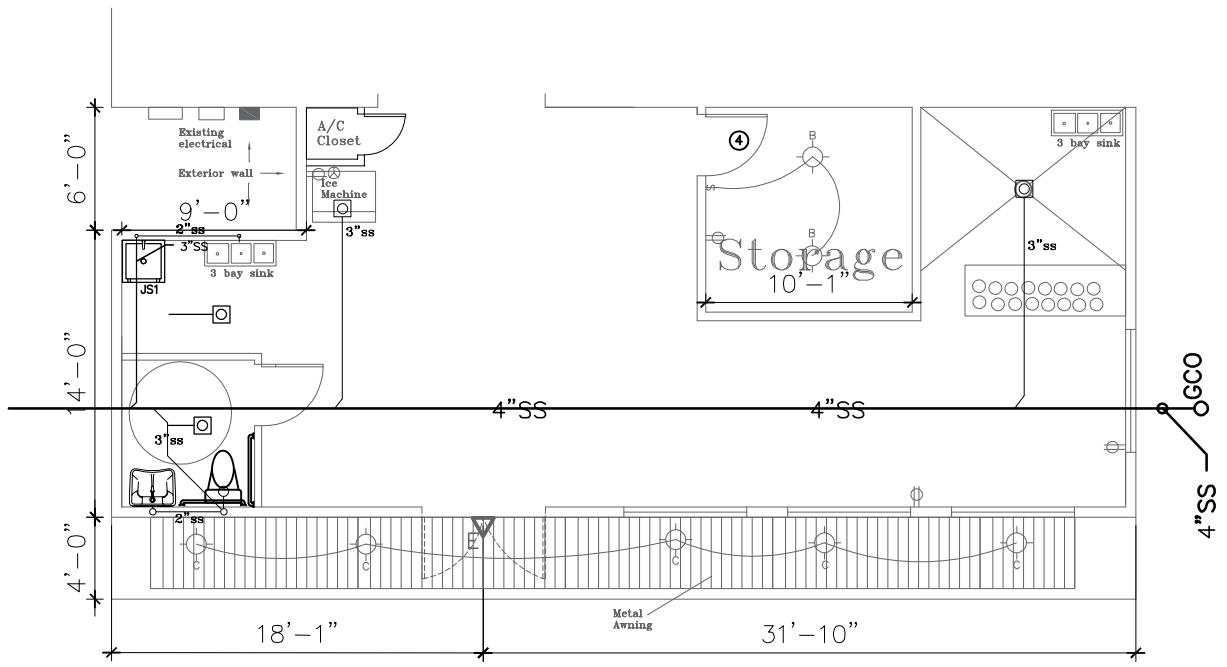
(4) PROVIDE AND INSTALL EXTERIOR BLDG. 1-1/2" WATER VALVE IN IN-GROUND VALVE BOX.

(5) PHONE, DATA, AND BUILDING TO BUILDING CABLE EXCHANGE CONDUIT. REFER TO PLAN 2/E2.0. ROUTE PHONE AND DATA CONDUIT AS DIRECTED BY SERVICE PROVIDER. BLDG. TRANSFER CONDUIT INSTALL TO 5'0" OUT FROM FOUNDATION AND CAP FOR FUTURE US. UNLESS INSTRUCTED OTHERWISE BY OWNER.

(6) PROPOSED LOCATION OF GAS METER. NOT APPROVED BY ATMOS ENERGY.

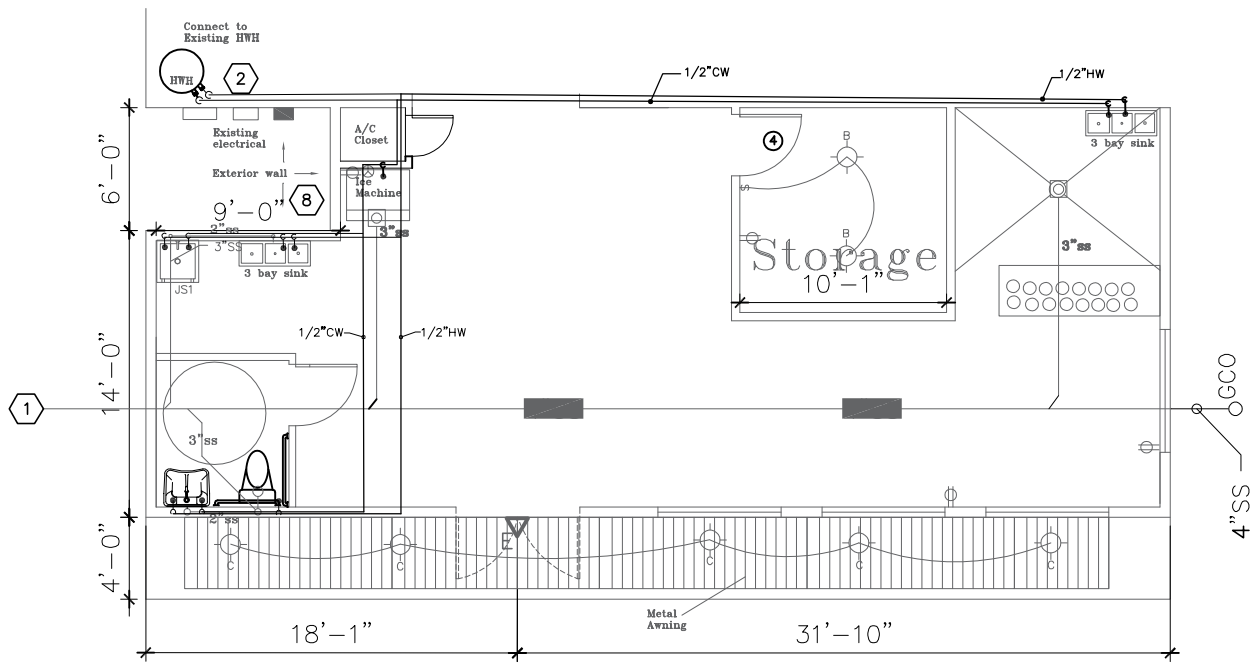
(7) PROPOSED LOCATION OF ELECTRICAL SERVICE METER AND DISCONNECT. NOT APPROVED BY ONCOR ELECTRIC DELIVERY.

(8) PROPOSED LOCATION OF HVAC CONDENSER UNITS.



PLUMBING SEWER

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



PLUMBING SUPPLY

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

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P-1

NOTES BY SYMBOL "(X)"

(1) 4" BUILDING SEWER. ROUTE AND CONNECT TO CITY SEWER MAIN AS DIRECTED BY PROVIDER.

(2) 1-1/2" WATER SUPPLY. ROUTE AND CONNECT TO 1" CITY WATER METER AS DIRECTED BY PROVIDER.

(3) NATURAL GAS METER LOCATION. FIELD VERIFY WITH PROVIDER. CONNECT BUILDING NATURAL GAS LINES TO METER. 226MBH REQUIRED.

(4) PROVIDE AND INSTALL EXTERIOR BLDG. 1-1/2" WATER VALVE IN IN-GROUND VALVE BOX.

(5) INSTALL EWH1 IN DRAIN PAN ON ¾" PLYWOOD DECKING MOUNT ON TOP OF CEILING JOIST ABOVE TOILETS, MECHANICAL, AND STORAGE ROOMS.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	CONNECTION SIZES WASTE	VENT	C.W.	H.W.	MFG. & MODEL NO.
WC1	WATER CLOSET (SEAT 17"-19" AFF) FLOOR MOUNTED, TANK TYPE, ELONGATED BOWL, LOW CONSUMPTION 1.6GPF	3"	2"	1"	–	TOILET: A.S. CADET #2467.016 W/TANK WITH LEFT HAND TRIP LEVER. SEAT: MAYFAIR BY BEMIS #M1955CT 000 OPEN FRONT PLASTIC SEAT ALT. TANK: 4142.800 W/RIGHT HAND TRIP LEVER
LAV1	LAVATORY, WALL MOUNTED, ADA, WHITE VITREOUS CHINA, CENTERSET (3) FAUCET HOLES @ 4"O.C. 1.2GPM	2"	1½"	½"	½"	LAVATORY: KOHLER KINGSTON #K-2005 FAUCET: KOHLER DEVONSHIRE #K-393-N4
JS1	JANITORS SINK, FLOOR MOUNTED, 12" DEPTH W/6" DROP FRONT, WALL MOUNTED CHROME FAUCET.	3"	2"	½"	½"	SINK: FIAT PRODUCTS: #TSB3010 FAUCET: FIAT PRODUCTS: #830-AA
SS1	SERVICE SINK, LAUNDRY TUB W/LEGS, FLOOR MOUNTED, WHITE MOLDED STONE, MOUNTED CHROME FAUCET.	2"	1½"	½"	½"	SINK: FIAT PRODUCTS: #SF-1-F FAUCET: FIAT PRODUCTS: #A1
WS1	WASH SINK, SS, TWO COMPARTMENT, TOP MOUNT, SINGLE FAUCET HOLE	2"	1½"	½"	½"	SINK: KOHLER VERSE: #K-5267-1 FAUCET: KOHLER CIRAKAIS #K-15160
EWH20	20 GAL. ELECTRIC WATER HEATER, TANK TYPE. INCREASE WATTAGE TO 3000W 120V. SUPPLY WATTAGE CONVERSION KIT.	–	–	¾"	¾"	WATER HEATER: BRADFORD WHITE ELECTRIFLEX LD: #LE120U3-1 WATTAGE CONVERSION KIT: #415-46409-04
EWC1	ELECTRIC WATER COOLER. FOUNTAIN W/WATER BOTTLE FILLER.	1½"	1"	½"	–	OASIS #PG8EBQ
ET1	EXPANSION TANK	–	–	¾"	–	WATTS: PLT-5-M1
FPHB1	FROST PROOF HOSE BIB 1/2" FREEZELESS WALL HYDRANT WITH ANTI SYPHON AND EXTERIOR BOX AND DOOR	–	–	½"	–	WOODFORD: HYDRANT #65 FINISH BOX #B65 ANTI-SYPHON #34HA
FPHB2	FROST PROOF HOSE BIB 1/2" FREEZELESS WALL HYDRANT WITH ANTI SYPHON	–	–	½"	–	WOODFORD: HYDRANT #19
IMOB1	IICE MAKER BOX W/¼" FWST VALVE AND ARRESTER	–	–	½"	–	SIOUX CHIEF: 696-G010(TYPE OF CONNECTION)
MV1	MIXING VALVE UNDER SINK	–	–	½"	½"	WATTS:

NOTE: ALL FLUSHING MECHANISMS SHALL BE ON WIDE SIDE STALL
MEETS THE AMERICAN DISABILITIES ACT, TEXAS ACCESSIBILITY STANDARDS, AND ANSI A117.1 REQUIREMENTS FOR PEOPLE WITH DISABILITIES

PLUMBING LEGEND

SYMBOL	DESCRIPTION
——CW——	NEW COLD WATER
——NPCW——	NON-POTABLE COLD WATER
—— ——CW—— ——	EXISTING COLD WATER
——HW——	NEW HOT WATER
——HWR——	NEW HOT WATER RETURN
◯ GM	GAS METER
—— ——HW—— ——	EXISTING HOT WATER
——MW——	NEW MIXED WATER
——SS——	NEW SANITARY SEWER
—— GW ——	NEW GREASE WASTE LINE
——GWW——	GREY WASTE WATER
—— ——SS—— ——	EXISTING SANITARY SEWER
——G——	NEW GAS
—— ——G—— ——	EXISTING GAS
——TP——	TEMP. & PRESSURE RELIEF
	SLOPE
	FLOOR DRAIN
	SINK DRAIN
	FLOOR CLEAN OUT
	WALL CLEAN OUT
	DOUBLE CLEAN OUT
	PLUG VALVE
	GAS PRESSURE REDUCER
	UNION
——FL——	FIRE LINE
	FROST PROOF HOSE BIBB
——CA——	COMPRESSED AIR

GENERAL PLUMBING NOTES

1. ALL WORK AS PER GENERAL SPECIFICATIONS AND ALL NATIONAL, STATE AND LOCAL CODES.
2. FOR HOT AND COLD WATER APPLICATIONS TYPE L COPPER SHALL BE USED OR PEX PER SPECIFICATION.
3. ALL FIXTURES USED SHALL BE AS PER SCHEDULE OR EQUAL.
4. ALL FIXTURES SHALL HAVE STOP VALVES AT WALL.
5. ALL VENTS SHALL BE CARRIED THROUGH ROOF, COMPLETE WITH ROOF SYSTEM COMPATIBLE ROOF JACKS.
6. ALL TOILET SEATS SHALL BE FOR ELONGATED BOWLS WITH OPEN FRONTS.
7. TO FACILITATE THE CLARITY OF THE DRAWINGS, SEWER, WATER, AND GAS LINES ARE NOT ALWAYS SHOWN IN THEIR EXACT LOCATIONS.
8. CONTRACTOR SHALL VISIT JOB SITE PRIOR TO BID AND VERIFY EXISTING CONDITIONS. NOTIFY ENGINEER IF EXISTING CONDITIONS DO NOT MATCH CONTRACT DOCUMENTS.
9. PROVIDE WETTED TRAPS TO ALL FLOOR DRAINS.
10. ROUTE TEMPERATURE AND PRESSURE RELIEF FROM WATER HEATER TO SEWER OR TO THE OUTSIDE OF BUILDING.
11. LAVATORIES INTENDED TO BE HANDICAPPED ACCESSIBLE SHALL HAVE INSULATED WATER AND SANITARY SEWER LINES SPECIFICALLY DESIGNED TO PROTECT WHEELCHAIR USERS.
12. ALL SHOWERS OR LAVATORIES SHALL BE INSTALLED WITH AN APPROVED A.S.S.E. 1070 TEMPERATURE LIMITING DEVICE ON THE HOT WATER SUPPLY EQUAL TO A WATTS "MV" SERIES AND SIZED FOR THE HW SUPPLY LINE OR AN INDIVIDUAL SHOWER THAT MEETS A.S.S.E. 1016 IS ACCEPTABLE.
13. AS-BUILT "RED-MARKED" PLANS SHALL BE DELIVERED TO THE ENGINEER.
14. FIXTURES INDICATED ON PLANS AS HANDICAP ACCESSIBLE MUST MEET THE 2012 TAS.

GENERAL PLUMBING NOTES

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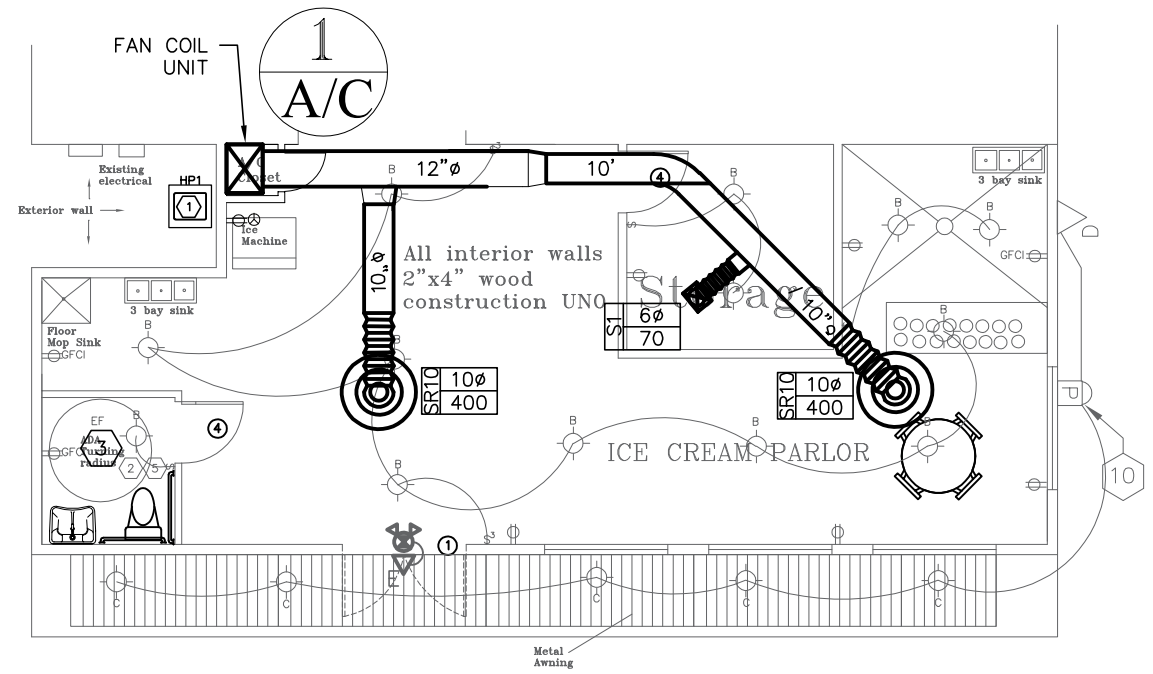


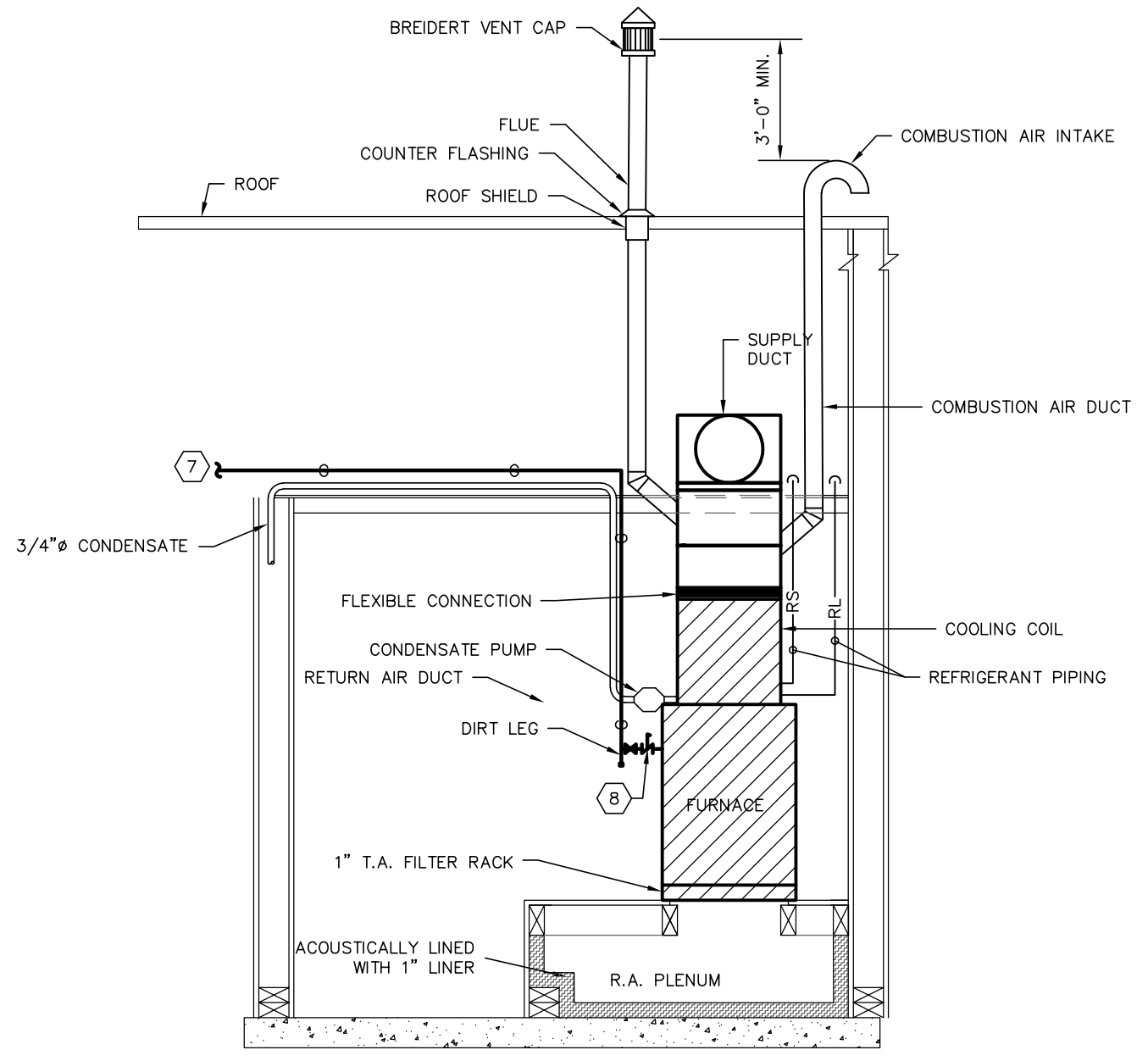
MECHANICAL PLAN

SCALE: N.T.S.

NOTES BY SYMBOL

(X)

1. INSTALL CONDENSER ON 4" CAST IN PLACE CONCRETE PAD. DO NOT INSTALL IN FRONT OF ELECTRICAL DISCONNECTS. INSTALL WITH MANUFACTURER'S REQUIRED CLEARANCES.
2. ROUTE DUCTING UP AND HORZONTALLY AT BOTTOM OF ROOF STRUCTURE. SUPPORT FROM ROOF STRUCTURE.
3. 4" TOILET EXHAUST ROUTE UP THRU THE ROOF. PROVIDE AND INSTALL ROOF JACK COMPATIBLE WITH INSTALLED ROOF. PROVIDE AND INSTALL RAIN CAP TO TOP OF PIPE.
4. INSTALL EXHAUST FLUE IN ACCORDANCE WITH FCU MANUFACTURER INSTALLATION REQUIREMENTS UP THROUGH THE ROOF. PROVIDE AND INSTALL VENT CAP ABOVE.
5. INSTALL COMBUSTION AIR INTAKE PIPE (IF REQUIRED) IN ACCORDANCE WITH FCU MANUFACTURER INSTALLATION REQUIREMENTS UP THROUGH THE ROOF. ALT. IS OUT THROUGH AN EXTERIOR WALL WIT WALL CAP INSTALLED.
6. PROVIDE AND INSTALL 8"ø EXHAUST DUCT FROM RANGE HOOD UP AND THROUGH THE ROOF. PROVIDE AND INSTALL ROOF JACK AND COUNTER FLASHING COMPATIBLE WITH ROOF. PROVIDE AND INSTALL EXHAUST DUCT RAIN CAP WITH BIRD AND INSECT SCREEN. ALTERNATE INSTALLATION IS TO ROUTE EXHAUST DUCT THROUGH EXTERIOR WALL AND INSTALL WALL CAP WITH BIRD/INSECT SCREEN.
7. ROUTE AND CONNECT GAS LINE TO GAS SUPPLY METER. REFER TO PLUMBING PLAN 2/P1.0.
8. PROVIDE AND INSTALL GAS PRESSURE REGULATOR IF REQUIRED.
9.



VERTICAL GAS FURNACE DETAIL

SCALE: N.T.S.

JLEC, Inc
5216 Saratoga
Arlington, TX 76017

L&E CROSS
JLEC, INC

100 N Forest Hill Dr.
Everman, Tarrant County, Texas

Chevron Remodel

Dwg By: ECC

5/5/2022

A/C

MECHANICAL LEGEND

TYPE → ⌀ 12"ø ← NECK SIZE / 500 ← CFM	DIFFUSER TAG
	SUPPLY AIR DIFFUSER
	RETURN AIR DIFFUSER
	FLEX DUCT
F.D.	FIRE DAMPER
S.D.	SMOKE DAMPER
	SUPPLY AIR FLOW
	RETURN AIR FLOW
S.A.	SUPPLY AIR
R.A.	RETURN AIR
	THERMOSTAT
	THERMOSTAT SENSOR
E.A.	EXHAUST AIR
C.D.	CONDENSATE DRAIN
F.A.	FRESH AIR
V.T.R.	VENT THRU ROOF
	ELBOW DOWN
	ELBOW UP
	VOLUME DAMPER
	AIR EXTRACTOR
	TURNING VANES
	VOLUME DAMPER
	TRANSITION
	WALL GRILLE
SD	SMOKE DETECTOR
DD	DUCT SMOKE DETECTOR
M	MOTORIZED DAMPER
	TEE WITH TURNING VANES AND ADJUSTABLE SPLITTER DAMPERS
	VOLUME DAMPER
C	CONDENSATE PIPING
	PRESSURE REDUCING VALVE

GENERAL MECHANICAL NOTES

1. MATERIALS AND INSTALLATION OF ALL MECHANICAL EQUIPMENT SHALL CONFORM WITH ALL NATIONAL, STATE AND LOCAL CODES.
2. COORDINATE INSTALLATIONS WITH ALL OTHER CONTRACTORS AS NECESSARY.
3. PROVIDE AND INSTALL DAMPERS, TURNING VANES AND SPLITTERS AS REQUIRED FOR EFFICIENT OPERATION AND AIR DISTRIBUTION.
4. EXHAUST FANS FURNISHED BY THIS CONTRACTOR, ELECTRICAL CONNECTIONS BY ELECTRICAL CONTRACTOR.
5. INSTALL FLEXIBLE CONNECTIONS AT UNIT ON SUPPLY AND RETURN AIR DUCTS.
6. AIR DUCTS NOT SHOWN ON PLAN, BUT IMPLIED AND NECESSARY FOR PROPER INSTALLATION AND OPERATION OF THE SYSTEMS, SHALL BE CONSIDERED AS PART OF THE MECHANICAL CONTRACTORS RESPONSIBILITY.
7. EACH UNIT SHALL HAVE INSTALLED (1) PROGRAMMABLE THERMOSTAT EQUAL TO HONEYWELL RTH7600D 7DAY PROGRAMMABLE T–STAT WITH LOCKABLE COVER.
8. PROVIDE TURNING VANES IN ALL MITERED CORNERS.
9. PROVIDE VOLUME DAMPERS WITH LOCKING HANDLES IN BRANCH DUCTS WHEN ACCESSIBLE FROM ATTIC. TYPICALLY WHEN GYP BOARD CEILINGS ARE USED M.C. SHALL SUPPLY VOLUME DAMPERS IN THE THROAT OF THE SUPPLY GRILLES THAT ARE ACCESSIBLE FROM BELOW.
10. PROVIDE AIR EXTRACTORS FOR ALL MAIN SUPPLY GRILLES.
11. CONSTRUCT ALL DUCT WORK IN ACCORDANCE WITH ASHRAE STANDARDS. ALL DUCTWORK TO BE SEALED WITH MASTIC SEALANT.
12. LIMIT FLEXIBLE DUCT WORK TO 7' FROM DIFFUSERS, ALL FLEX DUCT TO HAVE A MINIMUM OF R–6 INSULATION.
13. THIS CONTRACTOR SHALL INSTALL ALL SCHEDULE 40 PVC CONDENSATE DRAINS IN ATTIC AND ENCLOSED SPACES. INSTALL COPPER CONDENSATE DRAINS IN ALL EXPOSED AREAS. INSULATE IN ATTIC SPACES.
14. PROVIDE CONDENSATE OVERFLOW DRAIN PAN IN ADDITION TO UNIT CONDENSATE DRAIN. INSTALL CONDENSATE HIGH LEVEL ALARM IN OVERFLOW PAN. ALARM SHALL SHUT DOWN A/C UNIT AND EMIT AN AUDIBLE ALARM. EQUAL TO LITTLE GIANT MODEL #LC–310.
15. UNLESS OTHERWISE NOTED, ROUTE ALL TOILET EXHAUST THRU THE ROOF. SUPPLY AND INSTALL INSECT SCREEN, RAIN HOOD AND ROOF JACK THAT IS COMPATIBLE WITH THE ROOFING TYPE.
16. SUPPLY COMBUSTION AIR INTO EACH MECHANICAL SPACE PER IFGC SECTION 304.
17. DO NOT PLACE HUB DRAIN FOR CONDENSATE UNDER RETURN AIR PLENUM.
18. ALL UNITS LARGER THAN 2000 CFM SHALL RECEIVE SMOKE DETECTOR IN SUPPLY AIR, TIE INTO BUILDING FIRE ALARM CONTROL AS REQUIRED BY LOCAL AND STATE CODES.
19. PLACE VERTICAL GAS UNIT ON RETURN AIR PLENUM. SUPPLY SHOP DRAWINGS SHOWING ARRANGEMENT OF MECHANICAL SPACES. VERIFY THAT ALL COMPONENTS FIT IN MECHANICAL SPACE PRIOR TO BEGINNING CONSTRUCTION.
20. INSTALL SHEET METAL DUCT PER SMCNA. RECTANGULAR SIZES TO HAVE EXTERIOR 1" INSULATION, ROUND SIZES TO HAVE 1" EXTERIOR INSULATION.
21. ALL FRESH AIR INTAKES SHALL BE A MINIMUM OF 15' AWAY FROM TOILET DISCHARGES.

GENERAL MECHANICAL NOTES

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5216 Saratoga
Arlington, TX 76017

L&E CROSS
JLEC, INC

100 N Forest Hill Dr.
Everman, Tarrant County, Texas

Chevron Remodel

Dwg By: ECC

5/5/2022

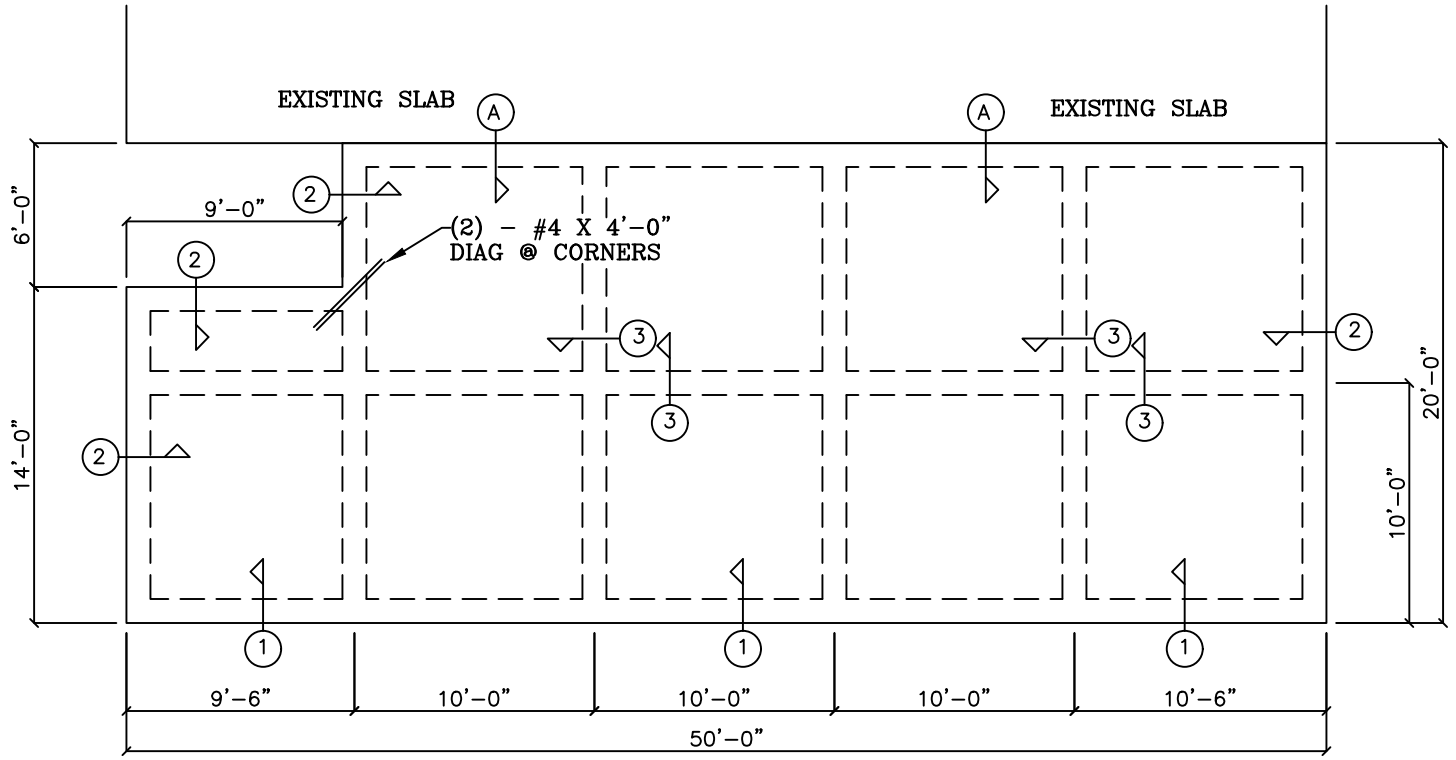
A/C-2

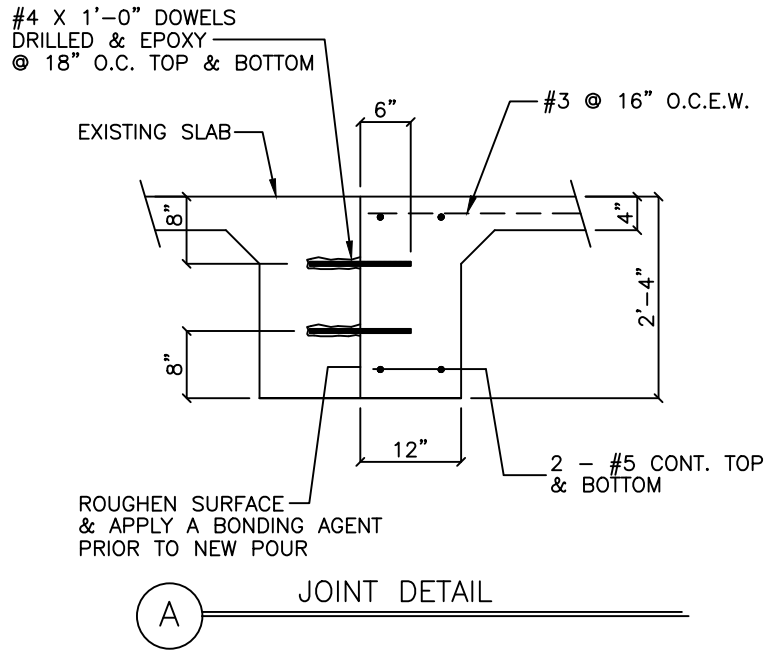
NOTES:

1) All beams shall be 12 " W x 28 " D.
2) At the clients request, this design is based on general information obtained from the soil survey of TARRANT County, published by the United States Dept. of Agriculture, Soil Conservation Service. Design soil parameters:

   Qa = 1500 (minimum, psf)
   PI = 36 (maximum)
   PVR = 3.0" (maximum, inches)

3) The client is responsible for verifying that the in-place soils conditions at the time of construction do not exceed the above limitations.
4) The above soil bearing capacity (Qa) is assuming that all beams will be founded into undisturbed soil or properly compacted fill. If this foundation does not show piers and the bearing capacity does not meet the above requirements, contact our office for pier design requirements.
5) A geo-technical report, although requested by GML, was not provided by the client for the purpose of designing this foundation. A site-specific report would provide more information that may be necessary for an appropriate design at this site. The project owner should be made aware of the limitations of the soils information and this design. We assume no responsibility, whatsoever, for the accuracy of the soils information obtained from the above referenced soil survey and make no representation that it is appropriate for the actual conditions at this site.
6) MODIFICATION OF THIS DESIGN WITHOUT PRIOR WRITTEN CONSENT FROM GRAHAM-MARTIN, LTD. WILL VOID ANY RESPONSIBILITY WE MAY HAVE WITH REGARD TO ANY LIABILITY ASSOCIATED WITH THE PERFORMANCE OF THIS ENGINEERED FOUNDATION.





A JOINT DETAIL

BUILDER TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION OF THIS SLAB

ALL BEAMS SHALL BED A MINIMUM OF 6" INTO UNDISTURBED SOILS OR PROPERLY COMPACTED FILL SOILS

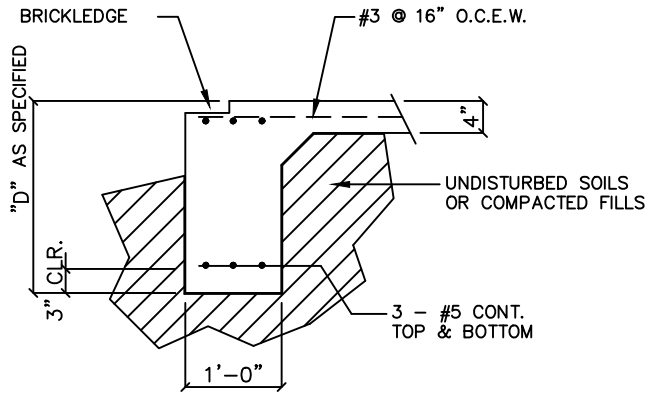
STATE OF TEXAS
BILL GRAHAM
67899
REGISTERED
PROFESSIONAL ENGINEER

REVISIONS	BY

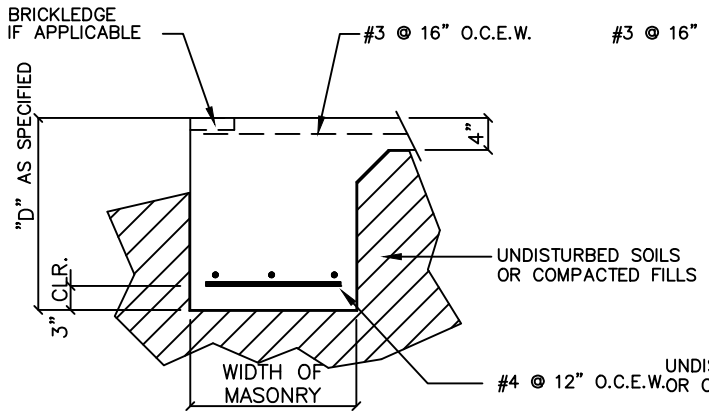
GRAHAM - MARTIN, LTD.
TEXAS REGISTERED ENGINEERING FIRM F-8336
PO BOX 535097, GRAND PRAIRIE, TX 75053
Phone:(972) 647-1025

JLEC
PLAN: CHEVRON SLAB ADDN
LOT: - BLOCK: -
100 N. FOREST HILL DRIVE
EVERMAN, TARRANT COUNTY

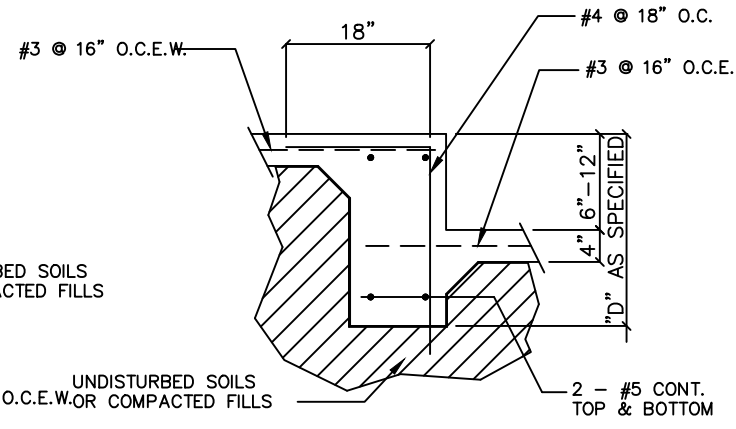
DATE: 07/20/22
SCALE: 1
DRAWN: BG 946
JOB: 051735
SHEET
S1.0



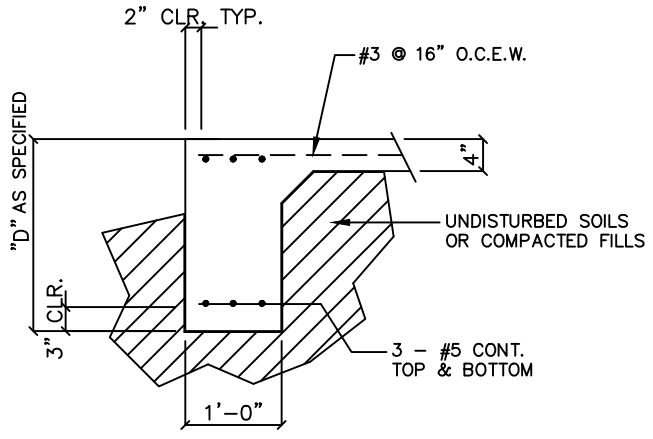
1 EXTERIOR BEAM SECTION



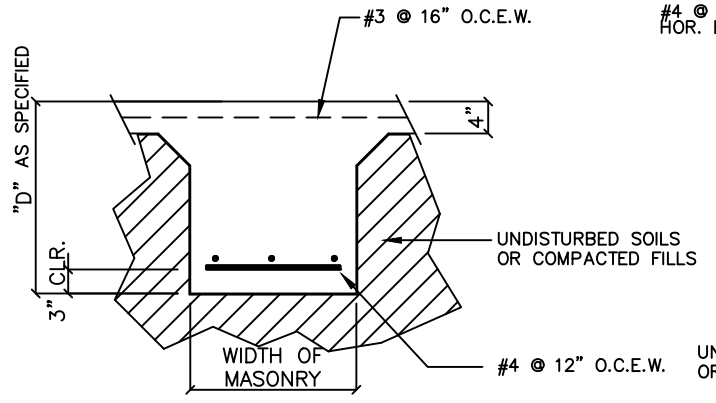
4 EXTERIOR FIREPLACE DETAIL



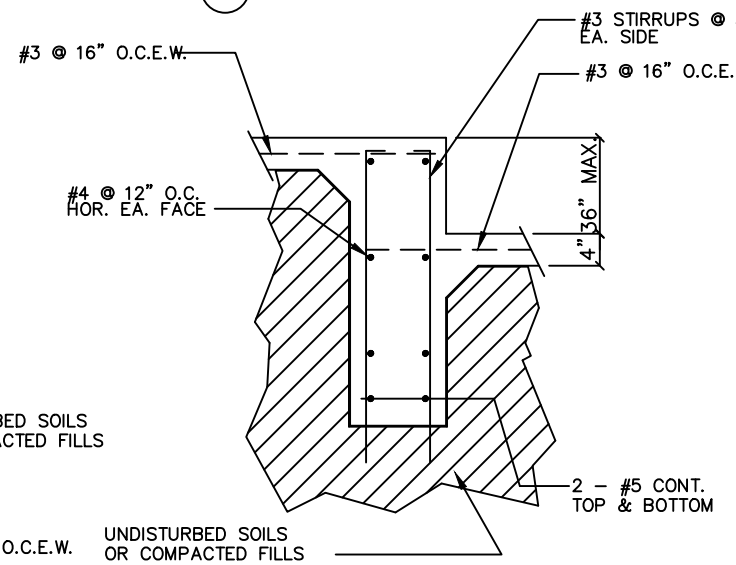
7 SLAB DROP DETAIL



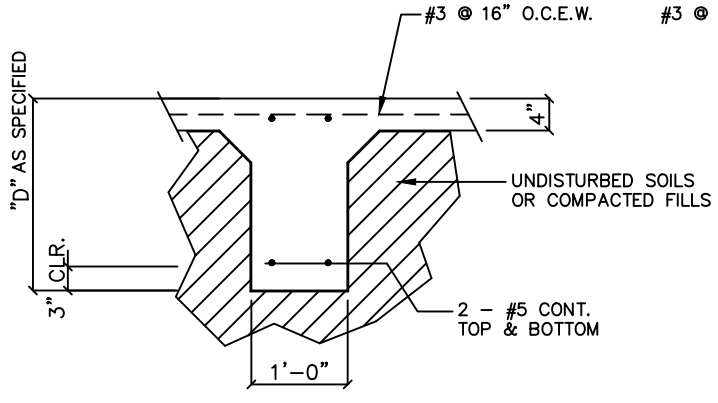
2 EXTERIOR BEAM SECTION



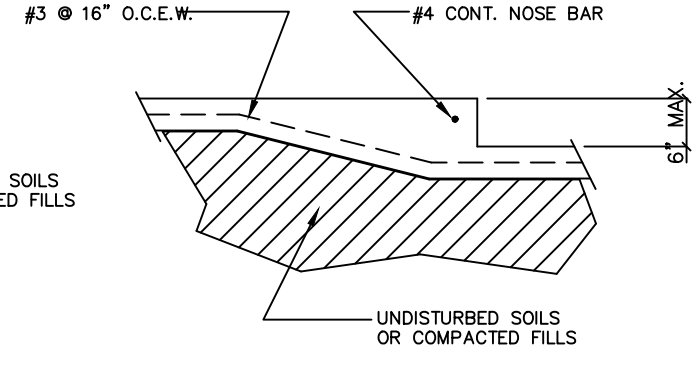
5 INTERIOR FIREPLACE DETAIL



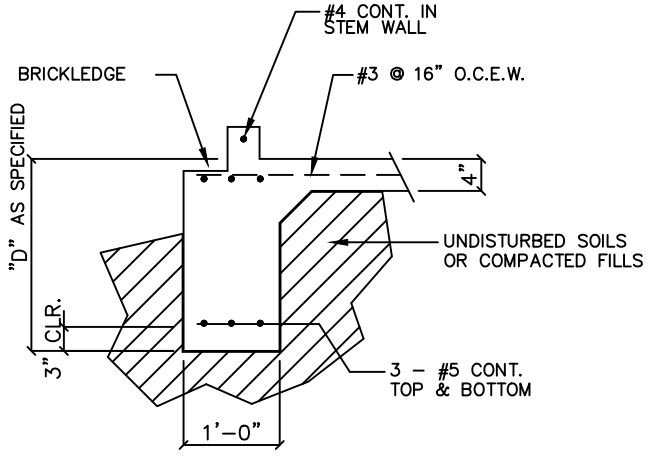
8 SLAB DROP DETAIL



3 INTERIOR BEAM SECTION



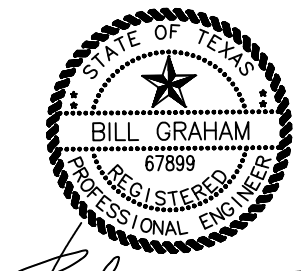
6 SLAB DROP DETAIL



9 EXTERIOR BEAM @ GARAGE

NOTES:

1. #5 CORNER BARS SHALL BE INSTALLED AT ALL BEAM INTERSECTIONS. CORNER BARS SHALL LAP BEAM BARS 20" MINIMUM.
2. ALL CONCRETE SHALL HAVE A MIN. 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. ADMIXTURES CONTAINING CHLORIDES, FLOURIDES, SULPHITES, NITRATES AND FLYASH ARE NOT PERMITTED.
3. ALL REINFORCING STEEL SHALL BE NEW BILLET STEEL CONFORMING TO A.S.T.M. A–615 GRADE 60 EXCEPT #3 BARS MAY BE GRADE 40. ALL BEAMS SHALL BE 20" MINIMUM.
4. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
5. CARE SHOULD BE TAKEN TO MAINTAIN AN EVEN MOISTURE CONTENT AROUND THE SLAB SO THAT DIFFERENTIAL SOIL MOVEMENTS ARE LIMITED. GRADING AND DRAINAGE SHOULD BE PROVIDED SO THAT WATER DOES NOT COLLECT NEAR OR UNDER THE SLAB. HEAVY VEGETATION (SUCH AS TREES) WITHIN 10' OF THE PERIMETER MAY CAUSE EXCESSIVE DESICCATION OF THE SURROUNDING SOILS.
6. ALL FILL MATERIALS SHALL HAVE A PLASTICITY INDEX OF 20 OR LESS AND MUST BE COMPACTED TO A MIN. 95% OF STANDARD PROCTOR DENSITY, MAINTAINING MOISTURE AT 3% TO 4% ABOVE OPTIMUM, UNLESS SPECIFIED OTHERWISE BY A GEO–TECHNICAL ENGINEER. COMPACTED FILL SHALL EXTEND A MINIMUM OF 5'–0" BEYOND THE FOUNDATION PERIMETER AND SHALL CONFORM TO ASTM D698 AND FHA SHEET 79G.
7. ALL BEAM SOFFITS MUST BE FOUNDED A MIN. OF 6" INTO UNDISTURBED SOIL OR PROPERLY COMPACTED FILL, UNLESS SPECIFIED OTHERWISE BY A GEO–TECHNICAL ENGINEER. BEAM DEPTHS MAY BE INCREASED TO A MAX. OF 30" TO MEET DEPTH REQUIREMENTS WITHOUT ADDITIONAL REINFORCING.
8. TRENCHES FOR PLUMBING LINES SHALL NOT BE LOCATED DIRECTLY UNDER (PARALLEL TO) GRADE BEAMS. PLACE PLUMBING LINES PERPENDICULAR TO BEAMS. PLACE BACKFILL IN CONFORMANCE WITH ABOVE COMPACTION REQUIREMENTS.
9. PIERS MAY BE USED ONLY WHEN SPECIFICALLY DESIGNED AND DETAILED ON PLANS. PARTIAL PIERING OF FOUNDATION IS STRICTLY PROHIBITED.
10. REINFORCING STEEL SHALL BE SUPPORTED AT 36" ON CENTER MAX. CONCRETE PLACEMENT SHALL BE DONE IN SUCH A MANNER AS TO INSURE THAT THE ALIGNMENT OF THE REINFORCING STEEL DOES NOT CHANGE.
11. REFER TO DESIGN LETTER WHICH ACCOMPANIES THIS PLAN FOR SOILS INFORMATION UTILIZED IN THE DESIGN OF THIS FOUNDATION.
12. FRAMEWORK ABOVE THE FOUNDATION SHOULD BE DESIGNED TO RESIST DIFFERENTIAL MOVEMENTS ASSOCIATED WITH THE EXISTING PLASTIC SOILS. THIS SHOULD INCLUDE EXPANSION JOINTS IN THE BRICK VENEER.
13. MODIFICATION OF THIS STRUCTURAL DESIGN WITHOUT PRIOR WRITTEN CONSENT OF GRAHAM – MARTIN, INC. WILL VOID ANY RESPONSIBILITY BY GRAHAM – MARTIN, INC. WITH REGARD TO LIABILITY ASSOCIATED WITH THE PERFORMANCE OF THIS ENGINEERED FOUNDATION.



REVISIONS	BY

GRAHAM – MARTIN, LTD.
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PO BOX 535097, GRAND PRAIRIE, TX 75053
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JLEC
PLAN: CHEVRON SLAB ADDN
LOT: – BLOCK: –
100 N. FOREST HILL DRIVE
EVERMAN, TARRANT COUNTY

DATE: 07/20/22
SCALE: 1
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