

TANK NOTES

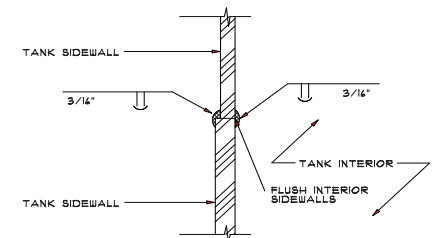
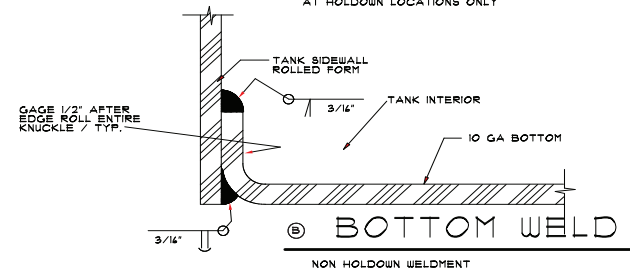
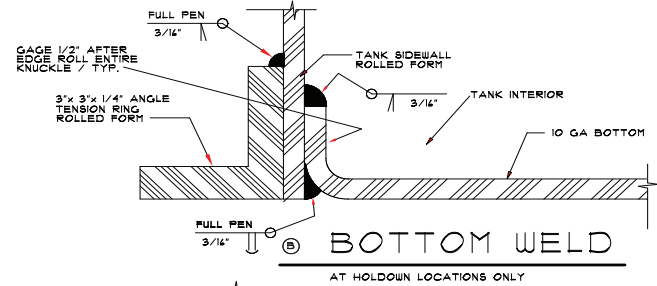
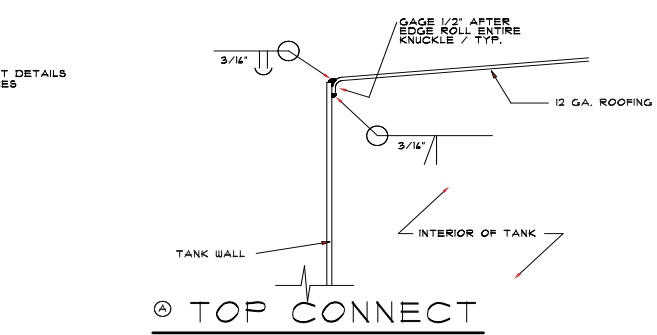
NOTE: MANUFACTURE SHALL VERIFY ALL JOB CONDITIONS PRIOR TO INSTALLMENT FOR OUT LET LOCATIONS, FILL LOCATIONS

FABRICATION NOTES:

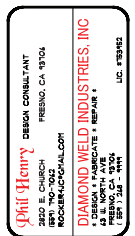
MATERIAL USED SHALL BE 304 STAINLESS STEEL, MILL FINISH

ALL WELDING SHALL BE BY CERTIFIED WELDERS IN ACCORDANCE WITH ASTM STANDARDS

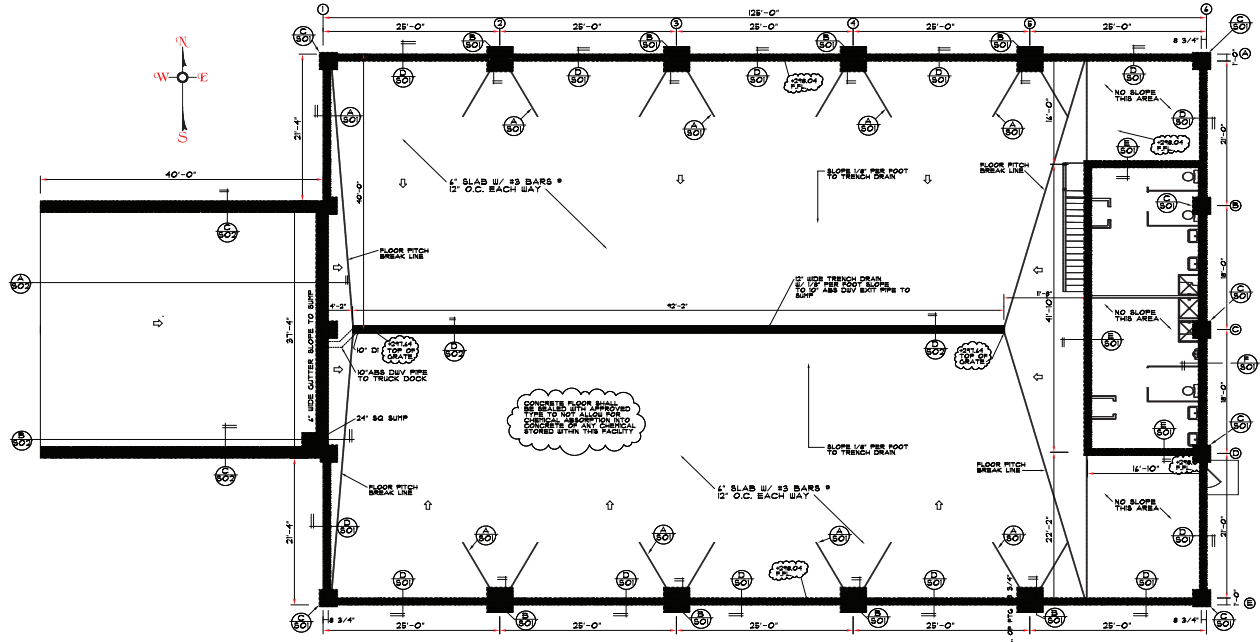
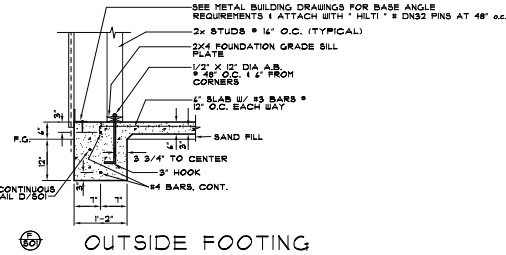
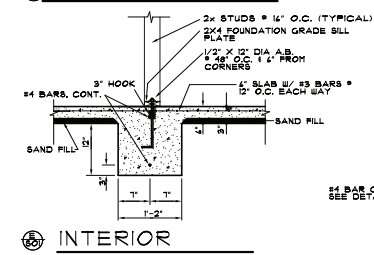
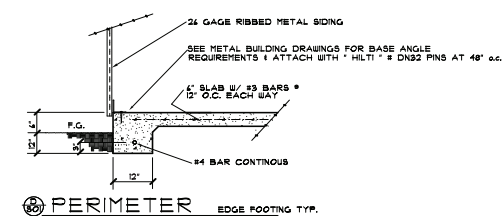
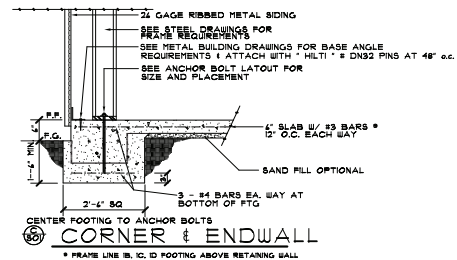
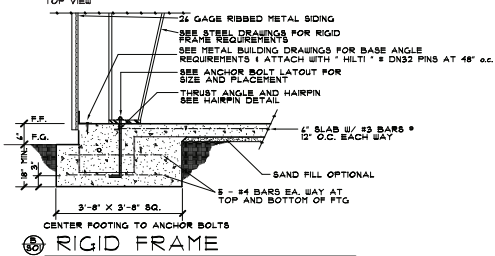
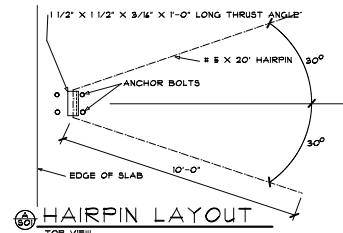
ALL INTERNAL WELDS SHALL BE WIRE BRUSHED



NOTE: AT ALL VERTICAL AND HORIZONTAL SPLICES, LAPPED OR BUTT WELDED, THE RADIUS CONSISTENCY SHALL BE MAINTAINED



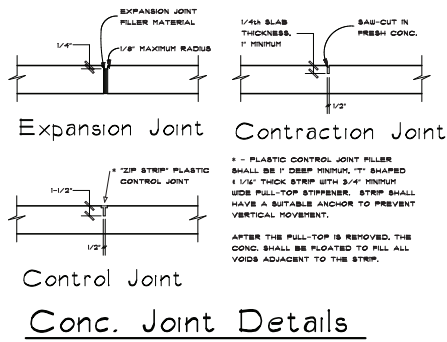
DRAWN BY	PHIL HENRY
DATE	NOV 2018
SCALE	AS NOTED
SHEET TITLE	TANK
SHEET NUMBER	T-1



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

FOUNDATION NOTES:

- CONCRETE SHALL TEST 3000 P.S.I. IN 28 DAYS. PLACING ALL ANCHORS, BOLTS, REBARS AND ANY OTHER HARDWARE TO BE SET IN CONCRETE SHALL BE ACCURATELY & PRELIMINARILY IN PLACE BEFORE CONCRETE IS POURED.
- REINFORCING STEEL SHALL CONFORM TO ASTM STD. #A-6. ALL BARS OVER 1/4" DIA. SHALL BE DEFORMED AS PER ASTM A-64, GRADE 60.
- REINFORCING STEEL SHALL BE SET IN PLACE & TIED BY #6 ANNEALED WIRE AT ALL SPICES & ALL CROSSING POINTS.
- ALL PERIMETER SLABS & FOOTINGS SHALL BE BRACED WITH A 1" THICK LAYER OF FORM.
- FOUNDATIONS SHALL BE PLACED IN NATURAL UNDISTURBED SOIL CAPABLE OF SUPPORTING A MIN. OF 3000 P.S.I.
- FILL BOLTS WHERE PLACED PRIOR TO OR DURING CONSTRUCTION SHALL BE COMPACTED TO 90% OR MAX. DRY DENSITY. ALL EXCAVATIONS SHALL BE CLEANED OF ALL LOOSE SOIL, DEBRIS & DELIBERIOUS MATERIALS JUST PRIOR TO POUR.
- CONTRACTOR SHALL VERIFY ALL JOB CONDITIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
- ALL REBAR LAP SPICES SHALL BE 40 BAR DIAMETERS AND USE STANDARD HOOKS TO END BARS.
- ALL SILDING OF REINFORCING STEEL SHALL BE SURFACES FUSED AGAINST BARTH.
- ALL BEARING FOOTINGS SHALL EXTEND 12" INTO UNDISTURBED SOIL MINIMUM.
- REINFORCING SHALL BE PLACED SO AS TO HAVE THE FOLLOWING MIN. CONCRETE PROTECTIVE COATING. SURFACES FUSED AGAINST BARTH. 3" PORTED SURFACES EXPOSED TO EARTH OR WEATHER. 2" SLABS, WALLS, NOT EXPOSED TO EARTH OR WEATHER. 1 BAR DIA.



REVISION	DATE

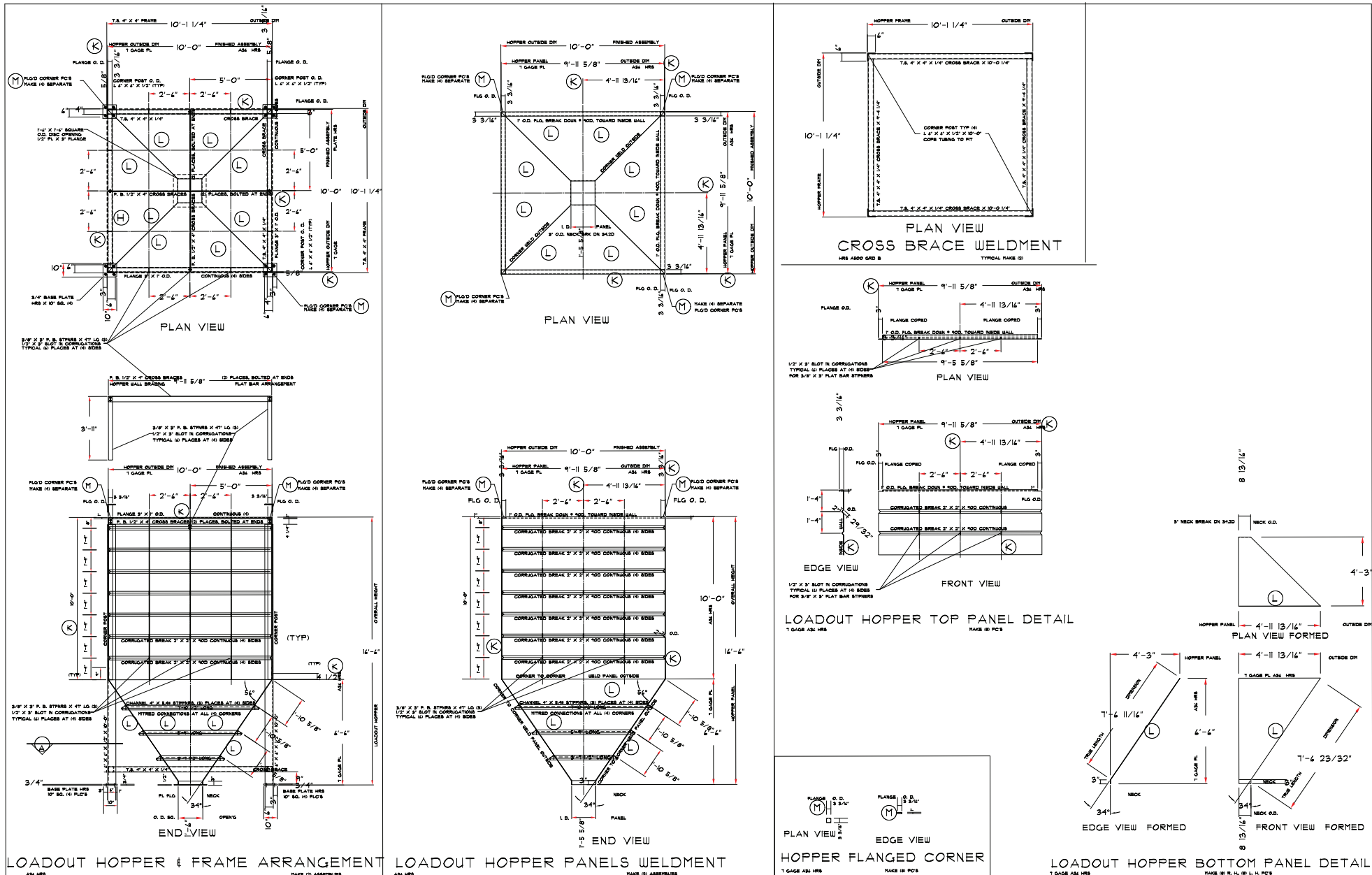
PRODUCED BY THE
Olson Steel
Fresno, CA

Christian E. Gustafson, J.E.
CONCRETE ENGINEERING GROUP
1000 N. 30TH STREET, SUITE 200
FRESNO, CA 93701
LICENSE NO. C01115

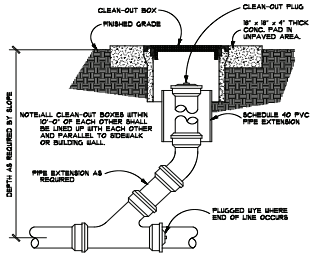
Professional Engineer
No. CE1115
Renewal Due
1/30/18
CIVIL ENGINEERING

DRAWN BY
PHIL HENRY 89-10-1032
DATE
OCT 2017
SCALE
AS NOTED
SHEET TITLE
FOUNDATION
SHEET NUMBER
S.O.1

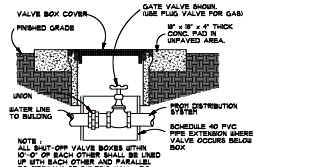
Foundation Plan



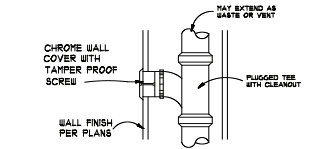
Millwright installation of hopper



1 Cleanout to Grade



2 Shut-Off Valve



3 Wall Cleanout

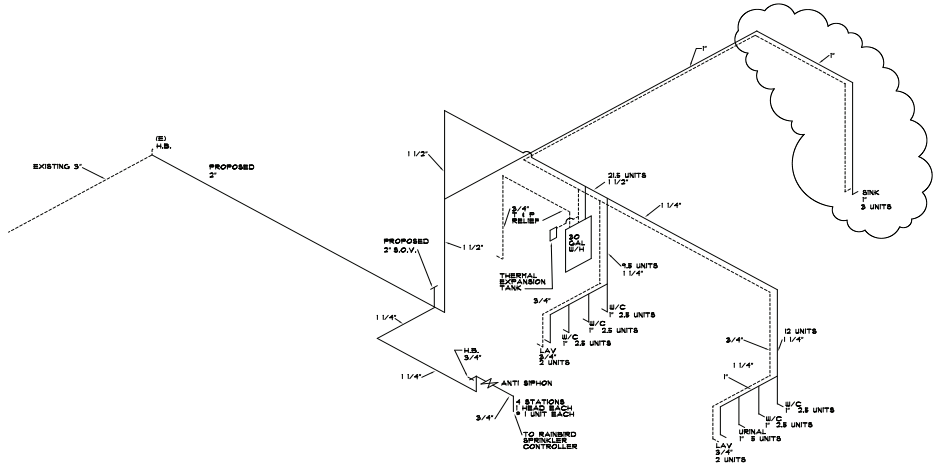
WATER CALCULATIONS					
FIXTURES	NUMBER	WATER UNITS	TOTAL	WASTE UNITS	TOTAL
WATER CLOSET	5	2.5	12.5	5	4
LAVATORY	2	1.0	2	2	4
SINK	1	3.0	3	1	4
URNAL	1	5.0	5	1	6
HOSE BIB	2	2.5	5	-	-
FLOOR DRAIN	3	-	-	3	2
FLOOR SINK	0	-	-	0	0
TOTAL			21.5		50

PLUMBING NOTES

ALL WORK AND MATERIAL SHALL PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED BY THE INSPECTION CODE AUTHORITY. NOTHING IN THESE ARE TO BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHER ADOPTED CODES APPLICABLE TO THIS PROJECT: C.S.C., C.P.C., C.M.C., C.E.C. AND THE STATE CODE TITLE #24.

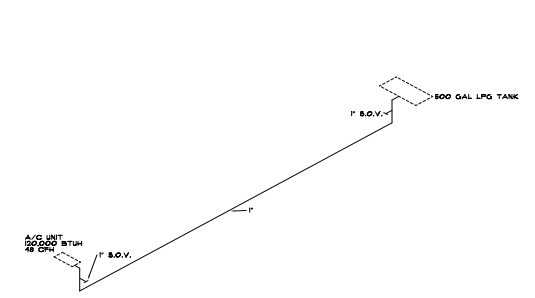
MECHANICAL UNIT ROUTE DRAIN PIPE TO NEAREST VENT.
 PROVIDE A 3/4" MIN. SIZE CONDENSATE DRAIN WITH DEFWELL TRAP FOR EACH MECHANICAL UNIT.
 SERVICE HOT WATER SUPPLY PIPING SHALL BE INSULATED WITH A MIN. OF R-4.
 DRAIN, WASTE AND VENT PIPING SHALL BE ABS/PVC (DWV) OR CAST IRON.
 VENT PIPE ABOVE GRADE MAY BE GALVANIZED STEEL ASTM A500 OR TYPE L COPPER ASTM B36, GALVANIZED PIPE BELOW GRADE SHALL HAVE A PROTECTIVE COATING OF POLYETHYLENE.
 GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL ASTM A53, ALL BELOW GRADE PIPING SHALL HAVE A PROTECTIVE COATING OF POLYETHYLENE.
 ALL PIPING SHALL BE BRACED AND SUPPORTED PER 'SHACNA' GUIDELINES FOR 'BENCH RESTRAINT OF MECHANICAL SYSTEMS' AND OSHA APPROVAL #0010.
 ALL WATER CLOSETS FOR PUBLIC USE SHALL BE ELONGATED DOORS WITH AN OPEN FRONT SEAT AND SHALL BE A 14 MAX. GAL. PER FLUSH UNIT.
 ALL PLUMBING VENTS SHALL TERMINATE NOT LESS THAN 10'-0" FROM ANY OUTSIDE AIR INTAKE.
 ALL HORIZONTAL WASTE DRAIN LINES OVER 5' IN LENGTH SHALL HAVE A CLEANOUT.
 HOT WATER TANK SHALL HAVE EXTERNAL INSULATION OF R-12 OR GREATER.
 WATER HEATER TO BE PROVIDED WITH A TRMP. AND PRESSURE RELIEF VALVE HAVING A FULL SIZE DRAIN OF GALV. OR COPPER PIPE TO THE OUTSIDE OF THE BUILDING. THE END OF THE PIPE SHALL NOT BE MORE THAN 2' OR LESS THAN 6" ABOVE THE GRADE. POINTING DOWNWARD. PIPE END IS UNTHREADED.
 WATER HEATER SHALL BE STRAPPED WITH 2 - 2" X 1/4" GA. STRAPS, PLACED AT 1/3 POINTS OF HEIGHT. THE STRAPS SHALL WRAP AROUND THE UNIT COMPLETELY AND SHALL BE SECURED TO WALL WITH A MIN. OF 3-1/2 INCHES AT EACH END.
 NO INDIRECT DRAIN CAN EXCEED 15'-0" AND ALL INDIRECT DRAINS OVER 4'-0" IN LENGTH WILL BE REQUIRED TO BE TRAPPED.
 FLUSH HANDLES SHALL BE LOCATED ON THE WIDE SIDE OF WATER CLOSET ACCESS.
 PROVIDE 1/2" DIA WATER LINES TO ALL TRAP PRIMERS.
 ALL OVERHEAD WATER PIPING SHALL BE GALVANIZED STEEL OR COPPER.
 ALL UNDER SLAB, COLD WATER PIPING SHALL BE GALV. STEEL WITH 2 LAYERS OF APPROVED 20 MIL URAP OR 4 LAYERS OF APPROVED 10 MIL URAP. UNDERGROUND DOMESTIC COLD WATER LINES MAY BE ABS SCHEDULE 40 AS APPROVED BY THE LOCAL AUTHORITY.
 PROVIDE A WATER HAMMER DEVICE ON ALL QUICK ACTING FITTINGS.
 HOSE BIBS SHALL HAVE A NON-REMOVABLE, ANTI-SIPHON DEVICE ATTACHED.
 ALL HOT WATER LINES AND 1" TRAP SHALL HAVE AN APPROVED INSULATION WRAP.
 ON SITE SEWER MAIN GRADE SHALL BE 0.005' / FOOT MIN. A REGISTERED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR SHALL DESIGN AND STAKE SEWER MAIN GRADES OF LESS THAN 1/8" / FT (0.002' / FT). IN SUCH CASES, THE MAX. ALLOWABLE UNITS SERVED BY SUCH LINES SHOWN ON CPC, TABLE 1-1 SHALL BE REDUCED TO 80%.
 HORIZONTAL
 DISABLE ACCESS WATER CLOSET TRIP LEVERS SHALL BE MOUNTED ON THE WIDE SIDE.
 FLOOR SINKS & DRAINS:
 INSTALL A BACKFLOW PREVENTION DEVICE ON HOP SINK FAUCET AND WATER LINES SERVING ICE MACHINES.
 NO INDIRECT DRAIN CAN EXCEED 15'-0" AND ALL INDIRECT DRAINS OVER 4'-0" IN LENGTH ARE REQUIRED TO BE TRAPPED.
 PRIOR TO COMMENCING WORK, PLUMBING CONTRACTOR SHALL CONFERS WITH REFRIGERATION CONTRACTOR AND SEE PROVIDE DIMENSIONS REGARDING EXACT LOCATIONS OF FLOOR SINKS.
 ALL FLOOR SINKS MUST BE EASILY ACCESSIBLE FOR INSPECTION AND CLEANING. FLOOR SINKS SUBJECT TO DRYING OUT REQUIRE A TRAP PRIMER.
 ALL SINKS MUST BE PROVIDED WITH HOT AND COLD WATER THROUGH A MIXING FAUCET.
 ALL HAND WASH SINKS MUST BE PROVIDED WITH WALL MOUNT TYPE SOAP AND PAPER TOWEL DISPENSERS.

STORAGE AREAS:
 THIS PERMIT DOES NOT INCLUDE ANY HIGH PILE STORAGE (PER IFC) OR BULK STORAGE OVER 1' HIGH.
 PROPOSED STORAGE WILL REQUIRE PLANS SUBMITTED FOR REVIEW & APPROVAL AND ISSUANCE OF PERMITS.



Water Layout

TOTAL COL LENGTH FOR PROPOSED + EXISTING = 152 FEET



Gas Layout

COL LENGTH 80'

PLUMBING APPROVED UNDER PREVIOUS PERMIT CHANGE IS TO BE TRAPPED, SINKS, AND COLD TO RELOCATED DEVICE

REVISION	DATE



























PROJECT TITLE
San Joaquin Wine Co., Inc.
 Madera, CA

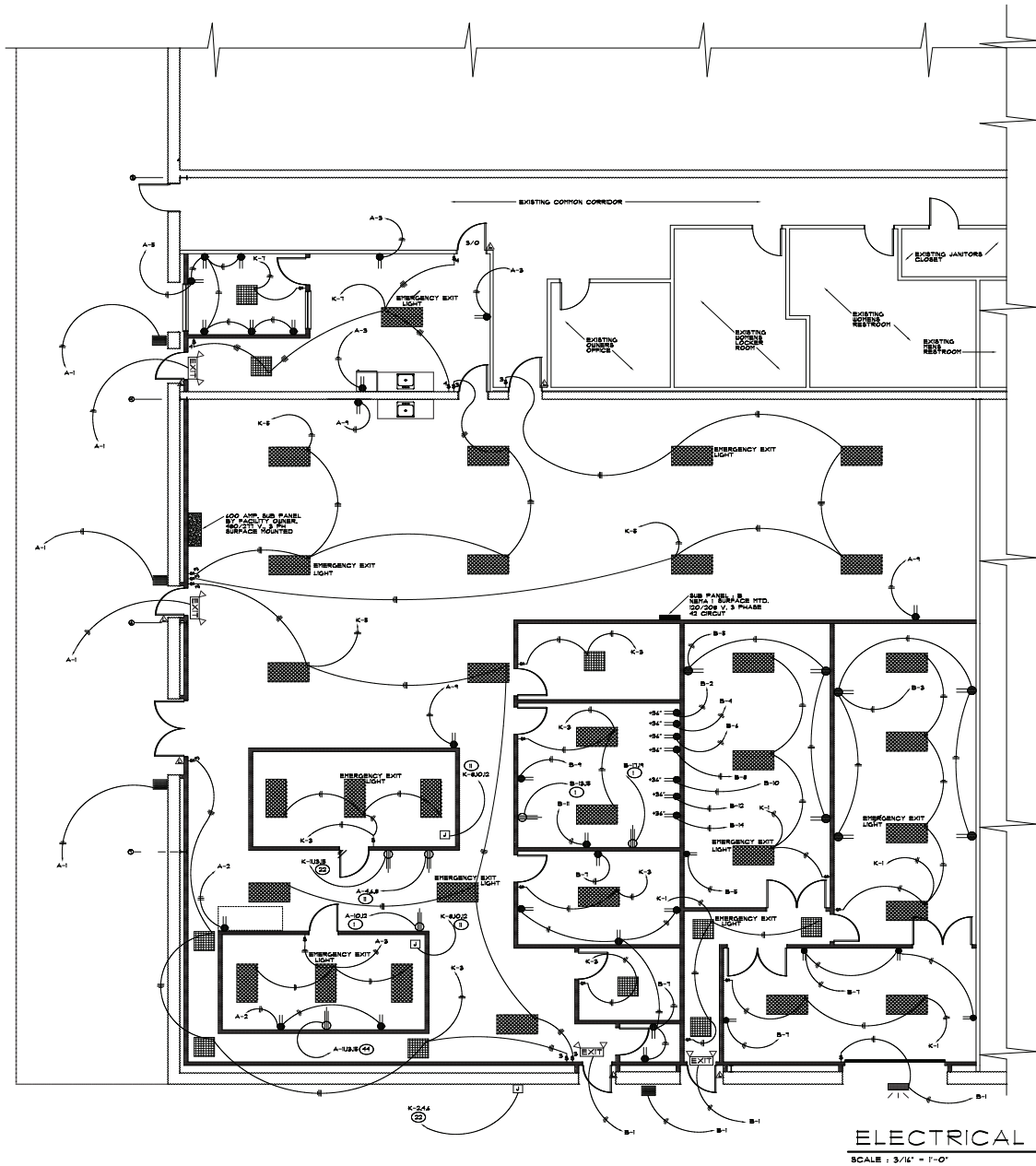
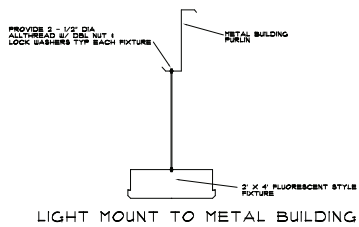
Charles E. Grebedain, Jr., P.E.
 License No. 02715
 Charles Engineering Group
 REGISTERED PROFESSIONAL ENGINEER



DRAWN BY
 DATE
 FEB 2015
 SCALE
 AS NOTED
 SHEET TITLE
 GASE TRASTING ROOM
 SHEET NUMBER
P.O.1

LEGEND

-  300 INSTANT HOT WATER HEATER 24 KW 115V 208V 1-20 CU GROUND R
-  LOW BAY 'SPRINK DRIVER' LED 1 LHS ORIENTEK 2' X 4' LINEAR SUPPLEMENT 211 VOLT, 228 BATT / 8000 K COLOR TEMP.
-  LITHONIA HOUSE 1 FE 82 1/4 1800K COLOR TEMP, 50 VOLT, 80 BATT LED
-  LITHONIA HOUSE-A 180 AREA LIGHT 1800K COLOR TEMP, 50 VOLT, 80 BATT
-  LITHONIA LED RECESSED RECL LIGHTING 50 BATT LED RECESSED RECL LIGHTING
-  50 OFF BUSHNET FAN 8/BACKDRAFT DAMPER 1800W 180V 67A260
-  3 BATT LED RECESSED HTD DOWN LIGHT
-  3 BATT SURFACE MOUNT W/ HOISTURE COVER
-  SWITCH OCCUPANCY SENSOR WITH TIMER OVERRIDE
-  1/2 CONDUIT 3/4 3-1/2 CU-THIN WIRE
-  1/2 BOX DIRECT WIRE
-  100 VOLT DUPLEX (APPROVED GROUNDED TYPE)
-  240 V. OUTLET (VERIFY EACH WITH OWNER FOR TYPE REQUIRED)
-  100 VOLT DUPLEX (APPROVED GROUNDED TYPE 1 SURFACE MOUNTED)
-  LOW BAY 'SPRINK DRIVER' LED 1 LHS ORIENTEK 2' X 4' LINEAR SUPPLEMENT 211 VOLT, 80 BATT / 8000 K COLOR TEMP.
-  1/2 VOLT READER FOR DOOR SCANNER 180V READER
-  2-1/2 CU-THIN 1-1/2 CU GND 1/2 CONDUIT
-  2-1/2 CU-THIN 1-1/2 CU GND 3/4 CONDUIT
-  2-1/2 CU-THIN 1-1/2 CU GND 1-1/4 CONDUIT
-  2-1/2 CU-THIN 1-1/2 CU GND 1-1/2 CONDUIT
-  2-1/2 CU-THIN 1-1/2 CU GND 1-3/4 CONDUIT
-  2-1/2 CU-THIN 1-1/2 CU GND 2 CONDUIT
-  2-1/2 CU-THIN 1-1/2 CU GND 2-1/4 CONDUIT
-  2-1/2 CU-THIN 1-1/2 CU GND 2-1/2 CONDUIT
-  2-1/2 CU-THIN 1-1/2 CU GND 2-3/4 CONDUIT
-  2-1/2 CU-THIN 1-1/2 CU GND 3 CONDUIT



ELECTRICAL
SCALE : 3/16" = 1'-0"

REVISION	DATE
A FIRE DEPT	SEPT

PROPOSED TRIM IMPROVEMENT FOR

Ismael Gonzalez
Unit #4, 1269 Marie St.
Menlo Park, CA

CONTRACTOR: SEN'S CONSTRUCTION, INC.
1425 4TH ST
SAN ANTONIO, TX 78204
REVISION: 13540

DRAFTING:
PHIL HENRY DEVELOPMENT CONSULTING
2820 E CHICAGO AVE
EVANSTON, IL 60120

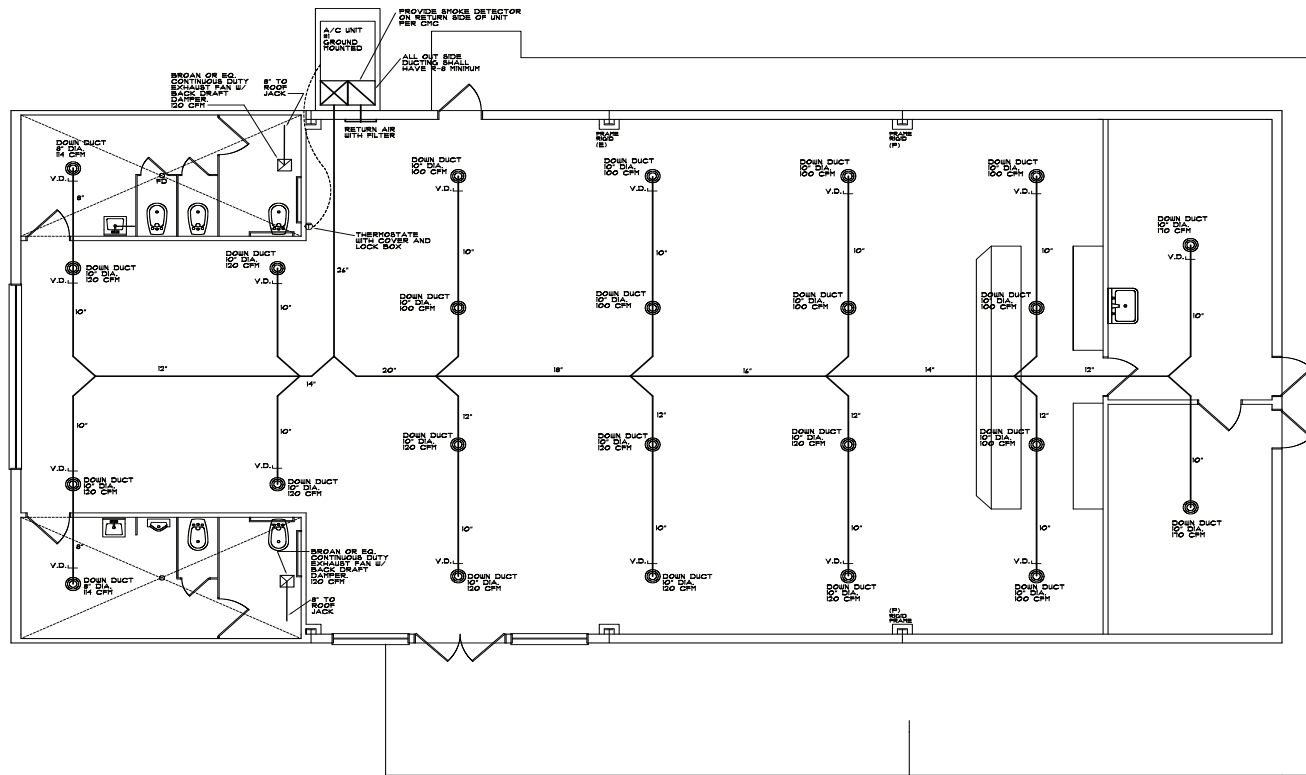
DRAWN BY: PHIL HENRY 281-701-2012
DATE: MAY 2018
SCALE: AS NOTED

SHEET TITLE: ELECTRICAL PLAN
SHEET NUMBER: E.O.1

Electrical Engineering & Drawing

MECHANICAL NOTES

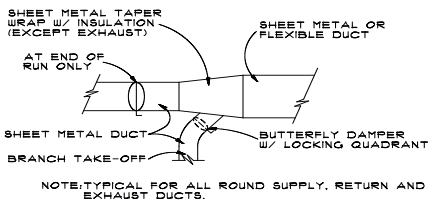
1. ALL EQUIPMENT SHALL BE STARTED OR STOPPED FROM A DAY TIME CLOCK, A 4 HOUR BY-PASS SWITCH TO ALLOW OPERATION OF ANY A/C UNIT FROM NORMALLY SCHEDULED HOURS. A SELF CONTAINED PROGRAMMABLE THERMOSTAT MAY BE USED IN LIEU OF A 7-DAY TIME CLOCK WITH OWNER APPROVAL.
2. ALL THERMOSTATS SHALL BE OF THE AUTOMATIC CHANGE-OVER TYPE TO SEQUENCE HEATING OR COOLING. SET POINT RANGE SHALL BE UP TO 10 DEGREES F.
3. ALL THERMOSTAT CONTROL LIMITS SHALL BE FROM 55 F. TO 85 F.
4. AT LEAST ONE AUTOMATIC SPACE TEMP. CONTROL DEVICE SHALL BE PROVIDED FOR EACH ZONE AND EACH SEPARATE HVAC SYSTEM AND SHALL HAVE THE CAPABILITY OF TERMINATING ALL COOLING AT A TEMP. OF NO LESS THAN 78 DEGREES F.
5. ALL MATERIALS USED IN SUSPENDED CEILING AREAS USED AS FLENUMS SHALL HAVE MOLD, HUMIDITY AND EROSION RESISTANT FINISHES THAT MEET THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE STD'S
6. WIRING IN FLENUMS SHALL BE IN CONDUIT OR CONFORM TO THE LATEST C.E.C.
7. ALL DUCT WORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS AND PROCEDURES AS DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS OR THE APPLICABLE STANDARDS ADOPTED BY THE SHEETMETAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION.
8. ALL SERVICE HOT WATER PIPE RUNS SHALL BE INSULATED AS FOLLOWS AND SHALL MEET THE TITLE #24, SECTION #2-5312, TABLE 2-53A, FOR PIPE OF 1" OR LESS USE 3/4" INCH (R-4) FOR PIPE OF 1 1/4" TO 4" USE 1" INCH
9. AUTOMATIC EXHAUST FAN DAMPERS SHALL BE PROVIDED PER U.M.C. LATEST EDITION.
10. INSULATE ALL DUCTS ABOVE THE ROOF W/ A MINIMUM OF 1 1/2" AND DUCTS IN THE ATTIC WITH 1" INSULATION.
11. THE AIR CONDITIONING SYSTEM SHALL PROVIDE A MINIMUM OF 2 AIR CHANGES PER HOUR WITH A MINIMUM OF 1/5 OF THE TOTAL AIR C.F.M. OUTPUT WITH OUTSIDE AIR.
12. THE EXHAUST FANS SHALL BE RATED FOR CONTINUOUS DUTY.
13. ALL HVAC EQUIPMENT USED SHALL BE LISTED AND CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION.
14. MINIMUM HEATING AND COOLING EFFICIENCIES SHALL COMPLY W/ SEC. #2-534B OF TITLE 24.
15. ALL GAS HEATING APPLIANCES SHALL BE EQUIPPED WITH AN INTERMITTENT IGNITION DEVICES PER SECTION 2-534C OF CEC T-24.
16. EACH HVAC ZONE SHALL BE EQUIPPED WITH AT LEAST ONE AUTOMATIC CONTROL DEVICE OR ALTERNATIVE USE PER SECTION 2-535A. TEMP. CONTROL SHALL MEET SECTION 2-535B1 AND TO OPERATE HTG. I CLG SEQUENTIALLY PER SECTION 2-535B2.



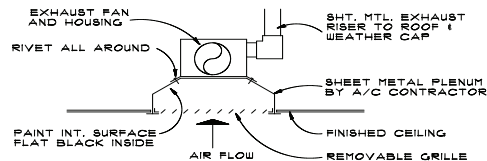
VENTILATION CALC FOR REST ROOMS:

REST ROOMS SHALL BE VENTILATED BY EXHAUST FAN WITH 1" INSULATED FLEXIBLE DUCT AND ONE SPIRAL

A/C UNIT #1
MODEL: CARVER #20CBO8DH2BCCA
150,000 B.T.U.H INPUT
120/208 VOLT, 3 PH.



1 M-1 Branch Duct Detail

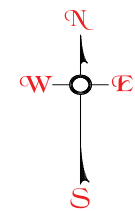


2 M-1 Recessed Exhaust Fan

MECHANICAL MANDATORY MEASURES

EQUIPMENT AND SYSTEMS EFFICIENCY
ANY APPLIANCE FOR WHICH THERE IS A CALIFORNIA STANDARD ESTABLISHED IN THE APPLIANCE EFFICIENCY STANDARDS MAY BE INSTALLED ONLY IF THE MANUFACTURER HAS CERTIFIED TO THE COMMISSION, AS SPECIFIED IN THOSE REGULATIONS, THAT THE APPLIANCE COMPLIES WITH THE APPLICABLE STANDARDS FOR THAT APPLIANCE. INCLUDED ARE ROOM AIR CONDITIONERS, CENTRAL AIR CONDITIONING HEAT PUMPS (REGARDLESS OF THE CAPACITY, EXCEPT THAT REQUIREMENTS FOR CENTRAL AIR CONDITIONING HEAT WITH COOLING CAPACITY OF 18,000 B.T.U.H. OR MORE APPLY TO HEATING PERFORMANCE BUT NOT COOLING PERFORMANCE), OTHER CENTRAL AIR CONDITIONING WITH A COOLING CAPACITY LESS THAN 18,000 B.T.U.H., FAN TYPE CENTRAL FURNACES, ROOM HEATERS, UNIT HEATERS, AND DUCT FURNACES SHALL BE LISTED AND CERTIFIED TO THE CALIFORNIA ENERGY COMMISSION BY ITS MANUFACTURER TO COMPLY WITH THE APPLIANCE EFFICIENCY STANDARDS. THE FOLLOWING SPACE CONDITIONING EQUIPMENT MAY BE INSTALLED ONLY IF THE MANUFACTURER HAS BEEN CERTIFIED THAT THE EQUIPMENT MEETS OR EXCEEDS ALL APPLICABLE EFFICIENCY REQUIREMENTS LISTED IN THE ENERGY EFFICIENCY STANDARDS: ALL AIR CONDITIONERS, HEAT PUMPS AND CONDENSING UNITS) 36,000 B.T.U.H.; ALL WATER CHILLERS; ALL GAS FIRED BOILERS) 300,000 B.T.U.H.; AND ALL WARM AIR FURNACES/ AIR CONDITIONING UNITS) 225,000 B.T.U.H. AND ALL OIL FIRED BOILERS) 225,000 B.T.U.H. ALL FAN TYPE CENTRAL FURNACES SHALL NOT HAVE PILOT LIGHTS.
PIPING, EXCEPT THOSE CONVEYING FLUIDS AT TEMPERATURES BETWEEN 40 AND 100 DEGREES FAHRENHEIT, OR OTHER HVAC EQUIPMENT, SHALL BE INSULATED IN ACCORDANCE WITH STANDARDS #103
AIR HANDLING DUCT SYSTEMS SHALL BE CONSTRUCTED, INSTALLED, SEALED AND INSULATED AS PROVIDED IN CHAPTER 10 OF THE CALIFORNIA MECHANICAL CODE

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



REVISION	DATE

PRODUCT TITLE
San Joaquin Wine Co., Inc.
Madera, CA

Charles E. Concedian, Jt., P.E.
MECHANICAL ENGINEERING GROUP
LICENSE NO. C-17175
REGISTERED PROFESSIONAL ENGINEER



DRAWN BY
P.H. HENRY
DATE
FEB 2013
SCALE
AS NOTED
SHEET TITLE
WINE TASTING ROOM
SHEET NUMBER
M.O.I