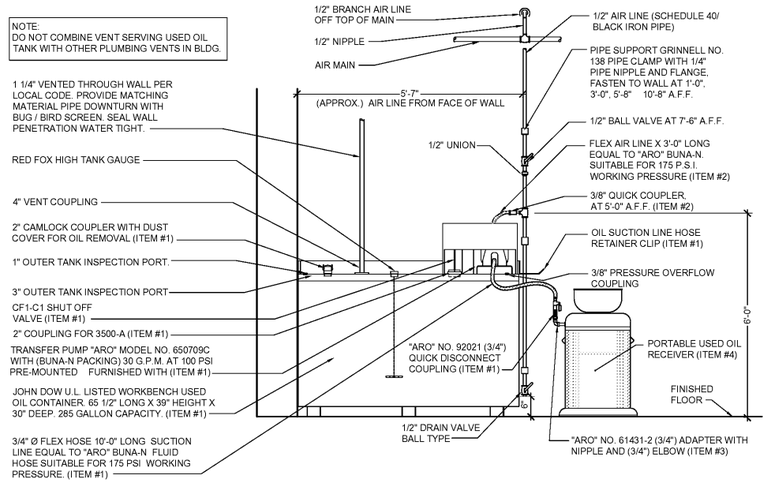
USED OIL STORAGE SYSTEM INSTALLATION

BILL OF MATERIAL - OWNER FURNISHED ITEMS

ITEM#	DESCRIPTION
1	JOHN DOW DOUBLE WALL WASTE OIL TANK COMPLETE WITH AIR OPERATED "ARO" DIAPHRAGM PUMP, AUTOMATIC AIR SHUTOFF, LIQUID LEVEL GAUGE, 2" CAMLOCK COUPLER, 10' X 3/4" INLET HOSE WITH QUICK DISCONNECT COUPLER, QUICK DISCONNECT ADAPTER KIT, AND AIR FILTER REGULATOR. SIZE 67 1/4" L X 39" H X 30" W. WEIGHT - 1100 LBS. NOTE: TANK ASSEMBLY IS U.L. LISTED (MEETS UL-142 SPECIFICATIONS)
2	1/4"Ø FLEX HOSE 3'-0" LONG (175 P.S.I.) AND 1/4" QUICK COUPLER("JOHNDOW" NO. 421-QUICK).
3	JOHN DOW NO. 61431-2 (3/4" ADAPTER) WITH 3/4" NIPPLE AND 3/4" ELBOW. (1) REQUIRED FOR EACH ITEM #4 FURNISHED.
4	PORTABLE USED OIL RECEIVER (STORE EQUIPMENT ITEM) QUANTITY TO BE DETERMINED. SEE BUILDING STORE PLANNING LAYOUT - SHEET F1.



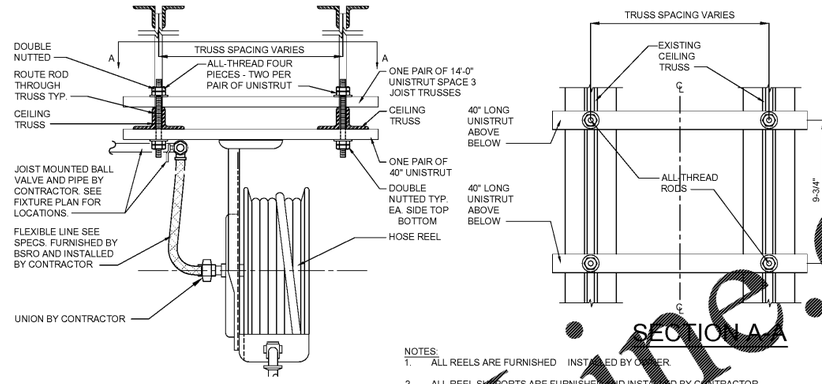
2 P4 USED OIL STORAGE SYSTEM ELEVATION VIEW
SCALE: N.T.S.

GENERAL NOTES:

- SEE NEW AND USED OIL SYSTEM RESPONSIBILITY NOTE THIS SHEET FOR SUPPLY AND INSTALL OF OIL SYSTEM COMPONENTS.
- UNLESS OTHERWISE NOTED, ALL OTHER MATERIAL FOR THIS DETAIL SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR.
- SEE SPECIFICATIONS FOR TYPE OF PIPE FITTINGS TO BE FURNISHED INSTALLED.
- PROVIDE EARTH GROUND TO AIR OPERATED OIL PUMP PER MANUFACTURER'S SPECIFICATION AND/OR PER N.E.C. CODE REQUIREMENTS.

INSTALLATION NOTES:

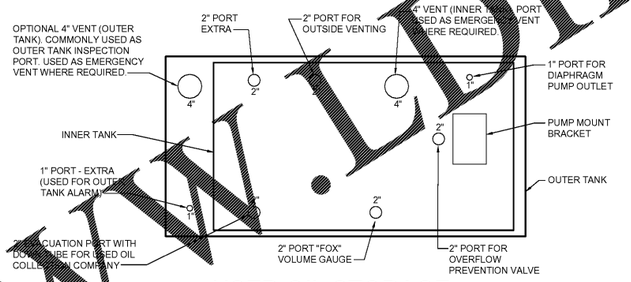
- CONTACT LOCAL FIRE MARSHAL AND OBTAIN INSTALLATION PERMISSION AND/OR PERMITS
- DETERMINE INSTALLATION LOCATION BY EITHER, REVIEWING BUILDING STORE PLANNING LAYOUT (SHEET F1), FOR NEW STORES, OR BY STORE MANAGER SELECTION AT EXISTING STORES
- UNCRATE PRE-ASSEMBLED TANK (ITEM #1) AND MOVE INTO POSITION.
- INSTALL AIR LINE FROM MAIN AND INSTALL FLEX HOSE (ITEM #2) CONNECTION TO TANK.
- CONNECT VENT LINE TO TANK AND RUN VENT TO EXTERIOR THROUGH WALL. INSTALL WALL FLASHING AND WEATHER CAP AS NOTED.
- CONNECT QUICK DISCONNECTS (ITEM #3) TO EACH PORTABLE USED OIL COLLECTION RECEIVER AT THE STORE.
- VENT PIPING MATERIAL TO BE GALVANIZED STEEL. OR BLACK IRON.



3 P4 OIL HOSE REEL DETAIL
SCALE: N.T.S.

NOTES:

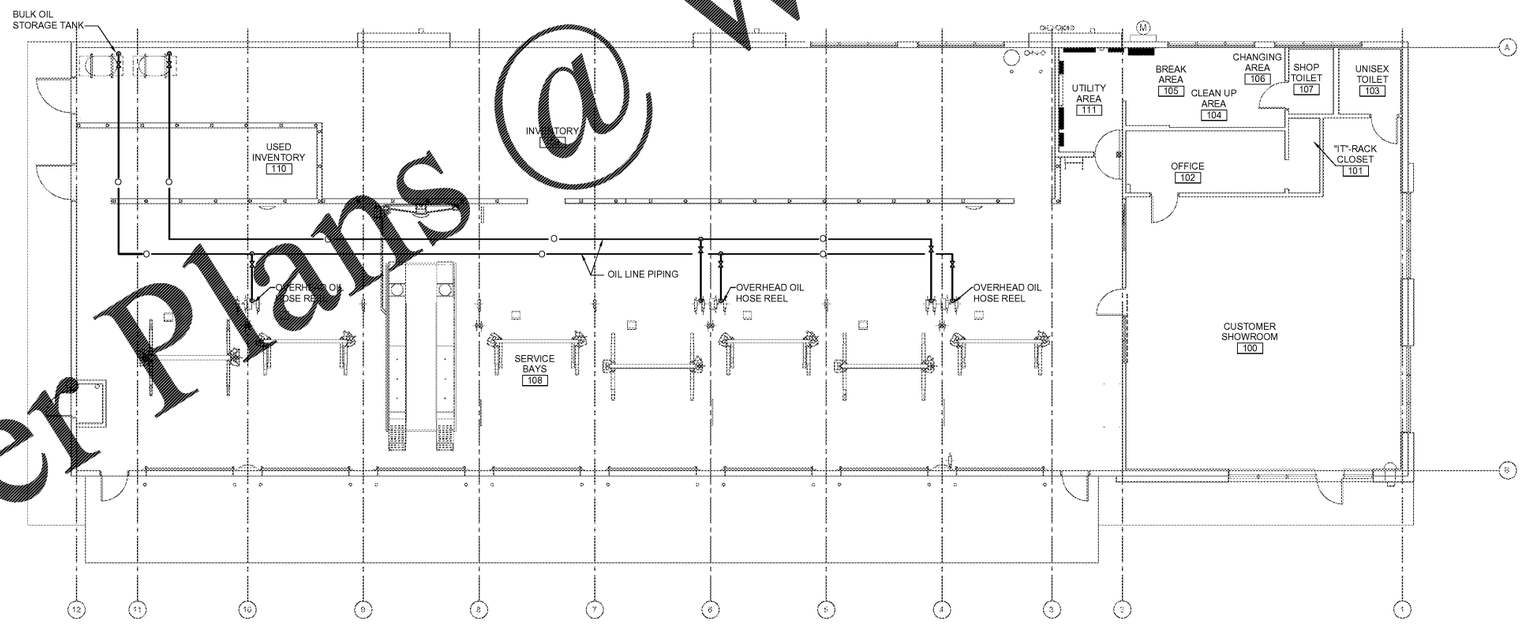
1. ALL REELS ARE FURNISHED INSTALLED BY OTHER.
2. ALL REEL SUPPORTS ARE FURNISHED AND INSTALLED BY CONTRACTOR.
3. TWO PIECES OF 40" LONG UNISTRUT TO BE MOUNTED ON TOP SIDE OF THE BOTTOM CHORD OF THE TRUSS AND SECURED WITH ALL-THREAD AND BOLTS. UNISTRUT SHALL BE CENTERED WITH PILASTER BETWEEN OVERHEAD DOORS. REFER TO SHEET A2 FOR LOCATIONS.
4. FOUR PIECES OF ALL-THREAD EXTENDED BEYOND THE BOTTOM OF THE TRUSS FOR ATTACHMENT OF TWO LONG PIECES OF UNISTRUT. EACH END OF THE ALL-THREAD TO BE DOUBLE NUTTED TYPICAL.



4 P4 USED OIL STORAGE SYSTEM - PORT LAYOUT
SCALE: N.T.S.

NEW AND USED OIL SYSTEM RESPONSIBILITY:
OIL PIPING INFORMATION SHOWN ON PLAN IS FOR REFERENCE ONLY. ALL MATERIAL FOR THE NEW AND USED OIL SYSTEM SHALL BE FURNISHED AND OR INSTALLED AS STATED BELOW.

1. BSRO PROVIDES THE USED OIL TANK SYSTEM.
2. GENERAL CONTRACTOR INSTALLS THE USED OIL SYSTEM.
3. GENERAL CONTRACTOR PROVIDES AND INSTALLS THE VENT PIPE FROM THE USED OIL TANK TO THE OUTSIDE OF THE BUILDING.
4. BSRO PROVIDES AND INSTALLS THE NEW OIL TANK, OIL PIPING AND THE OIL HOSE REELS.
5. GENERAL CONTRACTOR INSTALLS THE SUPPORT SYSTEM THAT THE OIL HOSE REELS ATTACH TO.



1 P4 OIL PIPING PLAN
SCALE: 1/8" = 1'-0"

NOTE:
VERIFY FINAL LOCATION OF OIL PIPING WITH SHEET F1.

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Aug 08, 2017 - 3:38pm - USER rynnmclvaine
G:\Bridgestone-Firestone (Engineering)\1720255 BSRO - Williamsburg, VA\Sheets\P4 OIL PIPING PLAN.dwg

RF Engineering of Record
Randall A. Nelson, P. E.
14800 West 95th Street
Lenexa, Kansas 66215
Phone 913 322 5150

Firestone COMPLETE AUTO CARE

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NEW FCAC STORE
2015 - JUNE- ER - RIGHT
1900 RICHMOND ROAD
WILLIAMSBURG, VA

RANDALL A. NELSON No. 43229
COMMONWEALTH OF VIRGINIA
08/08/17

ISSUE BLOCK

PROPERTY NO.:	167739
6 DIGIT NO.:	785533
4 DIGIT NO.:	6868
AOR PROJECT NUMBER:	1655B14
TO PERMIT: DATE:	08/10/17
TO BID: DATE:	TBD
DRAWN BY:	ZS,MJ,RC
CHECKED BY:	CF,AR

SHEET TITLE:
OIL PIPING PLAN AND NOTES

SHEET NUMBER:
P4