

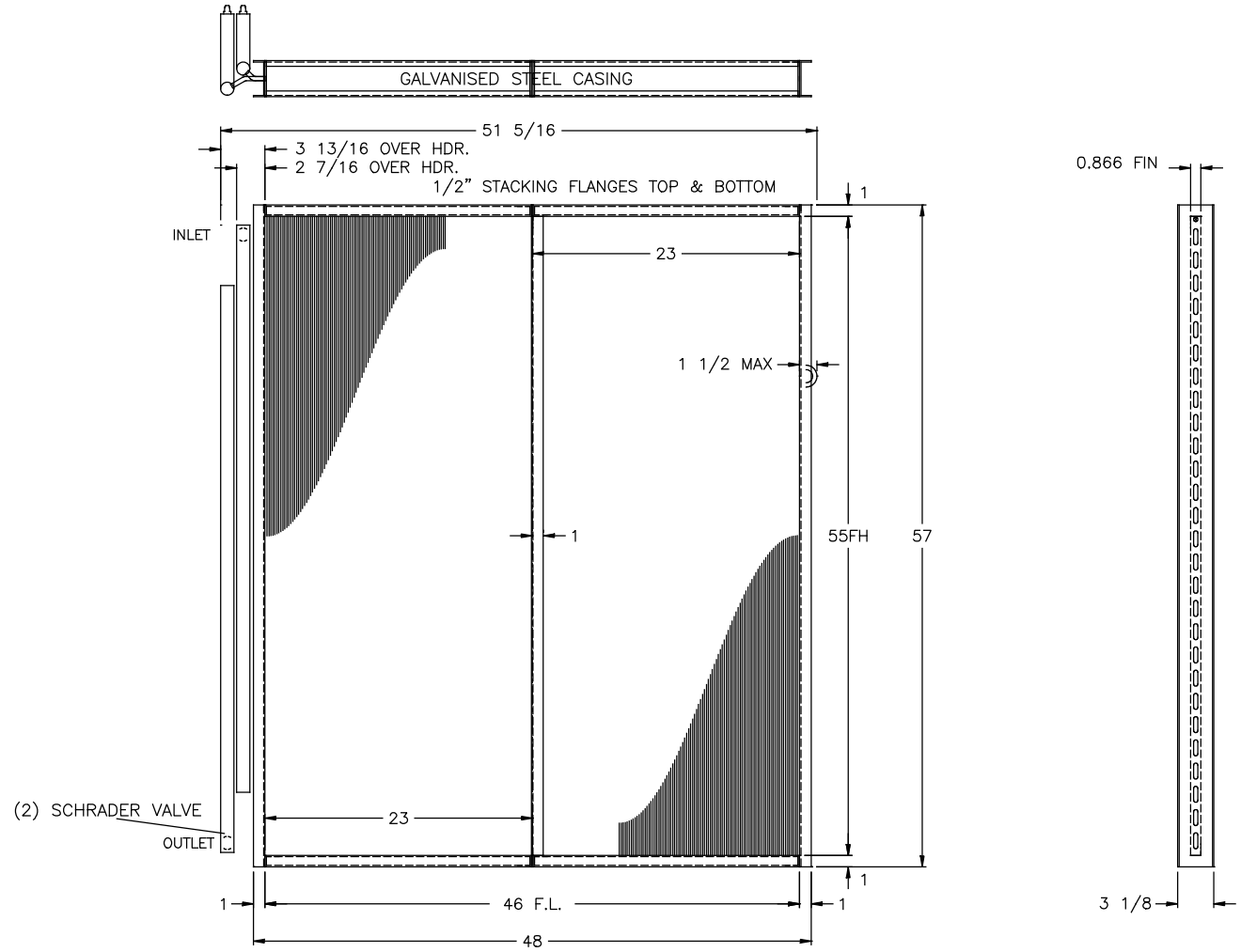
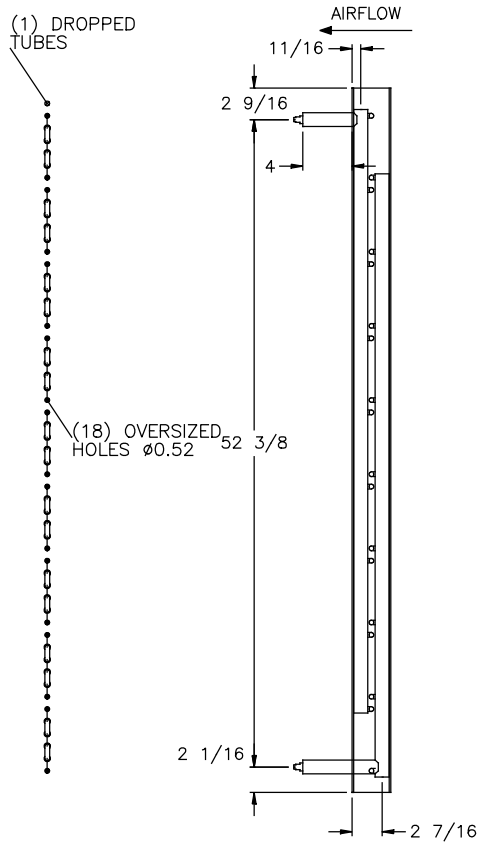
COIL DETAILS


MODEL NUMBER: 3DC-01-55.0-15-46.0-9 HANDING: LH
 FINS: 0.008 AL CORRUGATED @ .15 PER INCH
 TUBING: 3/8 OD X .012 RIFLED 1. X 0.866 CTRS
 CASING: GALV 16 GA.
 HEADER: 1+2 - 1.125" O.D. TYPE 'L' COPPER
 HEADER:
 CONNS: 1.125" / 1.125" O.D. TYPE 'L' COPPER
 ROWS DEEP: 1 TUBES HIGH: 55
 CIRCUITS: 9
 VERSION: _____

NOTES

CAP ALL OPENINGS AND CHARGE COIL WITH 5-10 PSI NITROGEN
 SCHRADER ON INLET AND OUTLET CONNECTIONS

NOTES: 9 circuits of 6 tubes 1 tube capped



| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| CSA FILE NO.: 242755 UL FILE NO.: SA 32693 | MODEL NO.: DC1 COIL TYPE: CONDENSER |  DIRECT COIL INC. 5055 TAYLOR KIDD BLVD., MILLHAVEN, ONT., K0H 1G0 | |
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| PROJECT NAME-ITEM | | | |
| ITEM TAG | | | |
| DATE 12/20/2016 | ENGINEER | DESIGNER VG | APP'D BY |
| CUSTOMER | | DWG. NO. DC1-16043 | |

CONDENSER COIL REPORT

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Tel:
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Date: January 15, 2020
Reference:
Prepared By:
Project Name: Performance & Std price for Overstock coils

Coil Tag: DC1-16043
Coil Model Number: 3DC-01-55.0-15-46.0-9
Item: 009, Coil Hand: Left

Physical Data

| | | | |
|------------------------|--------------|-----------------------------------|---------------------------|
| Number Of Coils | One (1) | Tube Material | Copper |
| Fin Height (Per Coil) | 55.000" | Tube Diameter | 3/8 1.00 x 0.866 |
| Fin Length (Per Coil) | 46.000" | Tube Material | Copper - 0.012 Rifled |
| Number Of Rows Deep | One (1) | Fin Material | Aluminum 0.008 |
| Circuit Ratio | 0.16 | Fin Style | Corrugated |
| Fins Per Inch | Fifteen (15) | Connection Type | Sweat Copper |
| Supply Connection Size | 1 1/8" | Coil Weight (Per Coil)[operating] | 84 [87] LBS |
| Return Connection Size | 1 1/8" | Coil Internal Volume (Per Coil) | 0.213 ft ³ |
| Header Material | Copper (L) | Casing Style | Standard |
| | | Casing Material | Galvanized Steel 16 gauge |

Air Data

| | |
|---------------------------|---------------------------------|
| Total Airflow (All Coils) | 9,663 SCFM |
| Airflow (Per Coil) | 9,663 SCFM |
| Face Velocity | 550 FPM |
| Altitude | 0.00 FT |
| Entering Dry Bulb | 80.00 °F |
| Leaving Dry Bulb | 100.90 °F |
| Air Pressure Drop | 0.11" WG |
| Fouling Factor | 0.0000 ft ² °F h/Btu |

Refrigerant Data

| | |
|-----------------------------------|-----------|
| Refrigerant | R410a |
| Suction Temperature (SST) | 45.00 °F |
| Vapor Temperature ² | 194.81 °F |
| Condensing Temperature | 125.00 °F |
| Subcooling | 5.00 °F |
| Condenser Pressure Drop | 4.413 PSI |
| Subcooling Pressure Drop | 0.000 PSI |
| Total Pressure Drop | 4.413 PSI |
| Refrigerant Velocity | 110 FPM |
| Refrigerant Mass Flow (All Coils) | 2142 lb/h |
| Refrigerant Charge (Per Coil) | 3.54 LBS |
| Refrigerant Charge (All Coils) | 3.54 LBS |

Capacity

| | |
|-----------------------------------|---------------------|
| Condenser Capacity /Coil (Total) | 213.67 MBH (213.67) |
| Subcooling Capacity /Coil (Total) | 5.28 MBH (5.28) |
| Total Capacity /Coil (Total) | 218.95 MBH (218.95) |

Notes:

1. Coil is NOT certified by AHRI.
2. Estimate based on saturated suction temperature.

Software version: 0.99.8166