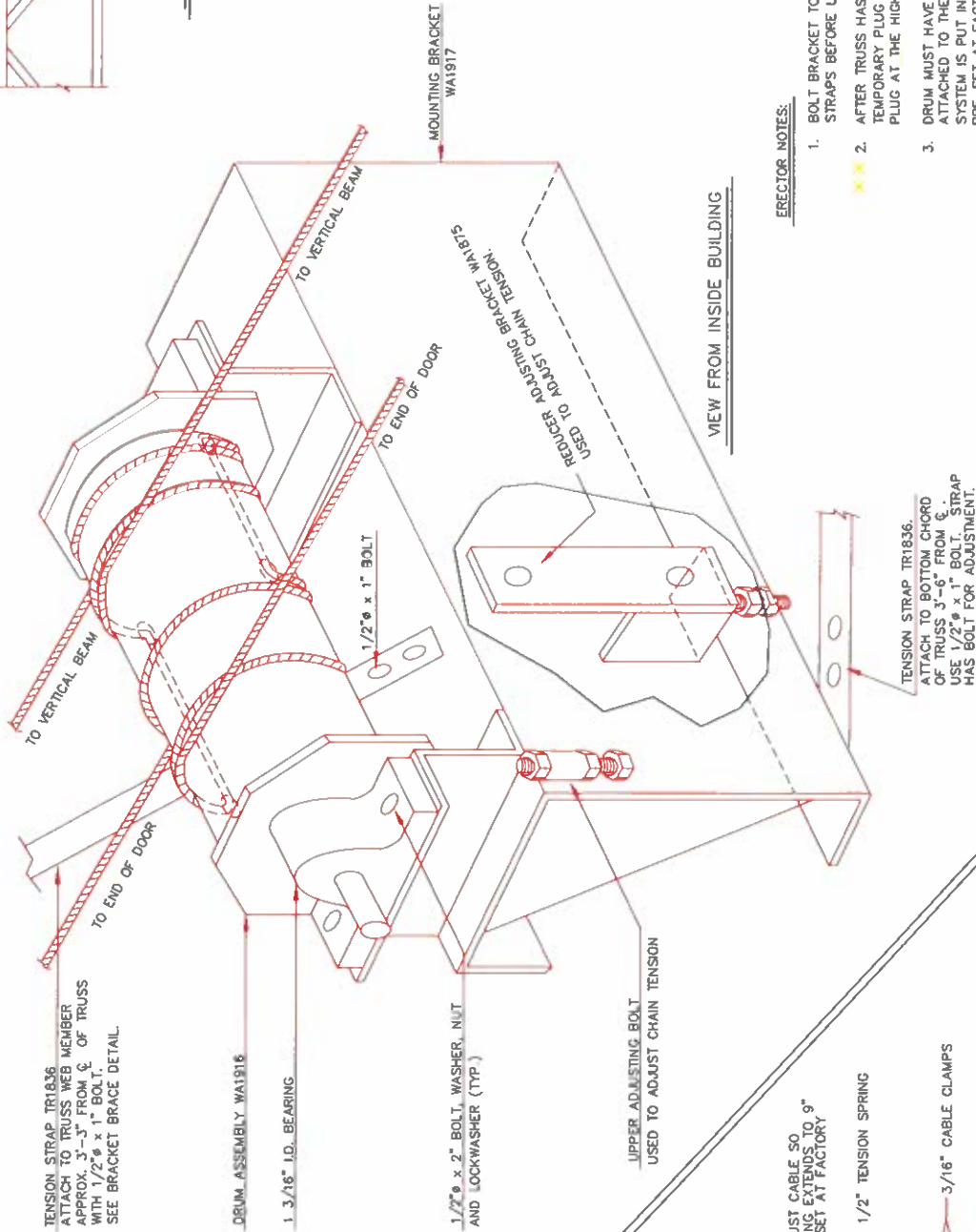
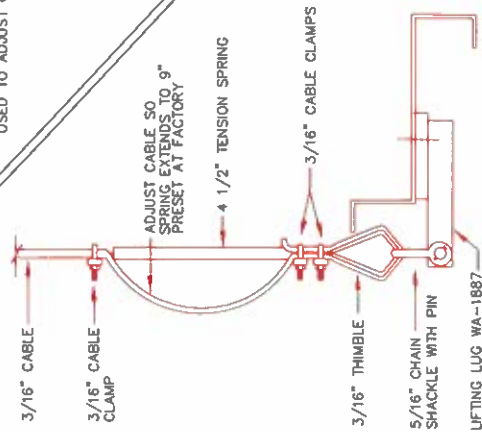


BRACKET BRACE DETAIL
(VIEW FROM INSIDE)



ERECTOR NOTES:

1. BOLT BRACKET TO TRUSSES AND INSTALL TENSION STRAPS BEFORE LIFTING TRUSSES INTO PLACE.
2. AFTER TRUSS HAS BEEN ERECTED, REMOVE THE TEMPORARY PLUG AND REPLACE IT WITH A BREATHER PLUG AT THE HIGHEST LEVEL OF THE GEAR REDUCER.
3. DRUM MUST HAVE 1 1/2 WRAPS BEFORE CABLES ARE ATTACHED TO THE BOTTOM OF THE DOOR AND THE SYSTEM IS PUT INTO OPERATION. DRUM IS PRE-SET AT FACTORY SO CABLE MAY BE WRAPPED AS SHOWN.
4. MAKE SURE DRUM ROTATION TO LIFT DOOR IS IN COUNTERCLOCK-WISE DIRECTION.



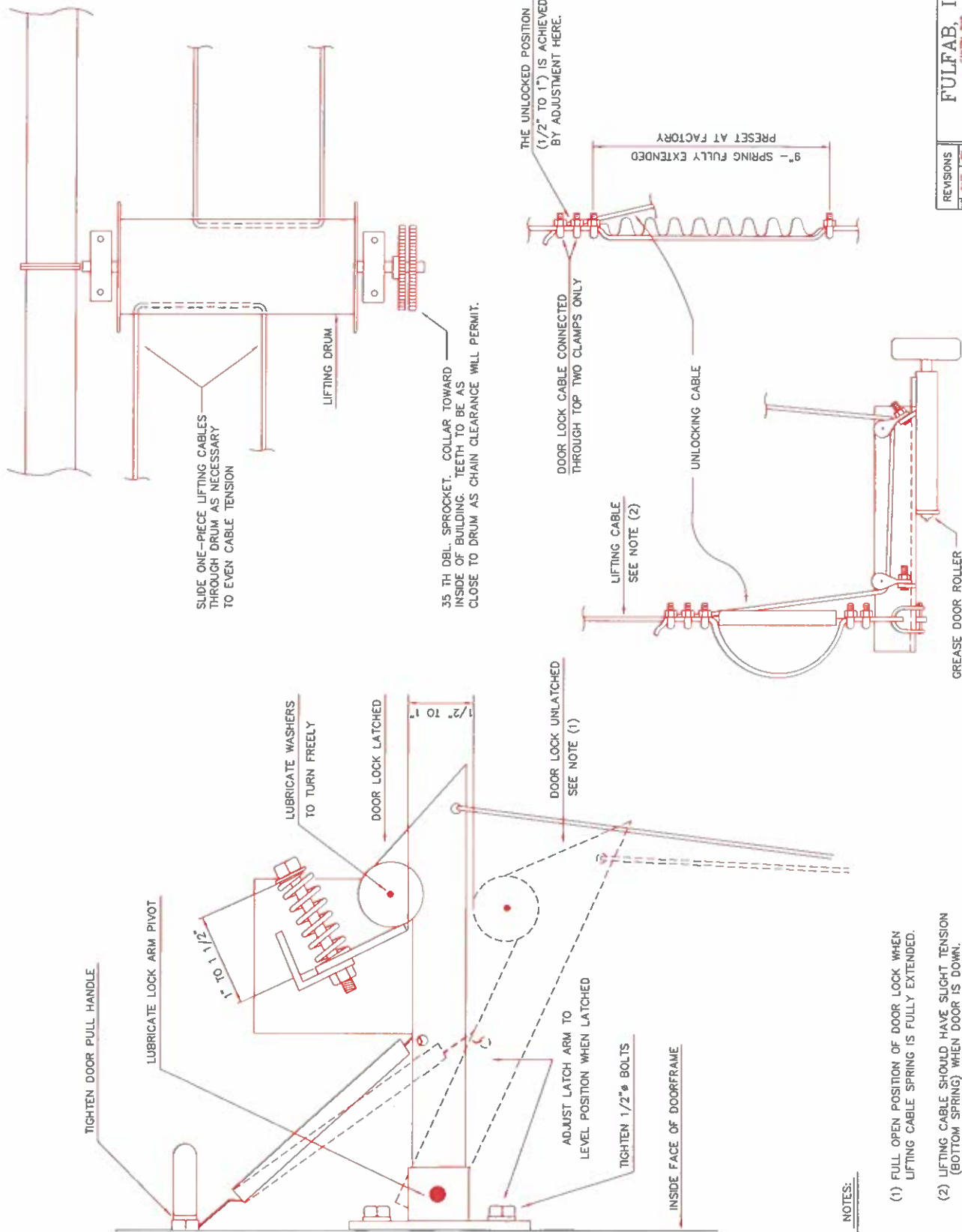
CABLE CONNECTION AT DOOR BOTTOM

FULFAB, INC.
CANTON, OHIO

SINGLE DRUM LIFTING SYSTEM

REV	DATE	BY

DATE	SCALE	NONE
DATE	DATE	DATE
DATE	DATE	DATE
DATE	DATE	DATE
DATE	DATE	DATE
DATE	DATE	DATE
DATE	DATE	DATE
DATE	DATE	DATE
DATE	DATE	DATE
DATE	DATE	DATE

[illegible]

FULFAB, INC.

**BIFOLD DOOR
ADJUSTMENT DETAILS**

DATE	SCALE	NONE
DATE	SCALE	NONE



SAWYER AIRPORT HANGER 2 - DOOR REPAIR

SCOPE:

REPAIR BI-FOLD HANGER DOOR. REPLACE ENTIRE BOTTOM DOOR PANNEL & FAULTY DOOR OPENER AND ASSOCIATED EQUIPMENT AND HARDWARE TO ENSURE PROPPER DOOR OPERATION.

TO INCLUDE BUT NOT LIMMITED TO:

- SUPPLY AND INSTALL NEW 1HP LEESON DOOR OPENER UNIT.
- SUPPLY AND INSTALL NEW PERFECTION GEAR REDUCER UNIT.
- SUPPLY AND INSTALL NEW LIMIT SWITCHES & BOX.
- SUPPLY AND INSTALL NEW MORSE CHAINS.
- SUPPLY AND INSTALL NEW LIFT CABLING & ROLLER ASSEMBLY'S.
- SUPPLY AND INSTALL NEW LOWER PANNELS (FERN GREEN), FRAME, AND TRIMS.
- SUPPLY AND INSTALL NEW LOWER PANNEL HARDWARE. INCLUDING BUT NOT LIMITED TO: HINGES, LIFTING LUGS, DOOR LOCK FLOOR PINS, 4 ½" TENSION SPRINGS, DOOR LOCK ASSEMBLY'S, CANE BOLT ASSEMBLY, BREAKER ASSEMBLY'S. AUTOMATIC DOOR UNLOCKS.
- SUPPLY AND INSTALL NEW BOTTOM OF DOOR WEATHER STRIPPING.
- SUPPLY AND INSTALL NEW MANDOOOR & ASSOCIATED FRAMING.
- MANDOOOR HARDWARE TO BE RE-USED.
- EXISTING WIRING AND WALL SWITCH TO BE REUSED.

BUILDING DETAILS:

ORIGINAL EQUIPTMENT SUPPLIER:

FULFAB

1525 WHIPPLE AVE.

CANTON OH 44710

1-330-477-7211

PANEL / TRIM INFO:

WALL COLOR – FERN GREEN

DOORS – FERN GREEN

ROOF – GALVALUME

TRIM – POLAR WHITE

OFFICE
FULFAB, INC.
1525 Whipple Ave. S.W.
Canton, Ohio 44710

BILL OF MATERIAL
15 UNITS OF MODEL LK42

SOLD TO:

MENZE CONSTRUCTION CO., INC.
208 WEST HAMPTON STREET
MARQUETTE, MICHIGAN 49855

SHIP TO:

MENZE CONSTRUCTION CO., INC.
SAWYER INTERNATIONAL AIRPORT
GWINN, MICHIGAN

BILL TO SHOP 6-30-99
SHIPPING WT. 86,487 LBS.
LOADING 42/20
STANDARD PUNCHING YES
CHECKED BY ROO DATE 6-30-99

DATE 06/30/99
SALES ORDER # 6859
CUST. ORDER #
TERMS: CASH ON DELIVERY
OUR ERECTION NO
BLDG. HAND (R/L) R

******HANGAR OPTIONS******

UNIT PARTITIONS ----- TO ROOF **MBCI STORMPROOF**
COLOR:

WALLS	FERN GREEN	} MBCI R PANEL
DOORS	FERN GREEN	
ROOF	GALVALUME	
TRIM	POL. WHITE	

First Office Options:

12' 10' X 12' FRAMED OPENING IN SIDEWALL

Second Office Options:

12' 10' X 12' FRAMED OPENING IN SIDEWALL

REMARKS:

THE BUILDING HAS A CONTINUOUS RIDGE VENT AND 4" ROOF INSULATION.
PERFECTION GEAR REDUCERS, 1.0 H.P. LEESON MOTORS, MORSE CHAINS.
SCHLAGE LOCKSETS ARE MASTERKEYED TO C-37555. THERE IS A FIREWALL
BETWEEN TENTH AND ELEVENTH UNITS.

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06/30/99

DWG NO. =====	DESCRIPTION =====	WT. EA. =====	WEIGHT =====	QTY. =====
DF1844--	BOTTOM DOOR FR HDR - RIGHT	38.0000	570	15
DF1845L-	TOP DOOR FRAME SILL	62.0000	930	15
DF1845R-	TOP DOOR FRAME SILL	62.0000	930	15
DF1846L-	TOP DOOR FR HDR - LEFT	38.0000	570	15
DF1846R-	TOP DOOR FR HDR - RIGHT	38.0000	570	15
DF1847-B	42'DOOR FR SILL SPLICE	14.5000	217	15
DF1848--	42'DR BOTTOM FR HDR SPLICE	7.0000	105	15
DF1849--	42'DR TOP FR HDR SPLICE	6.0000	90	15
DF1851--	MULLION BOTTOM DR FR	12.0000	720	60
DF1854--	42'DOOR TOP FR SILL SPLICE	14.5000	217	15
DF1856LB	WEATHER STRIP ANGLE	9.5000	142	15
DF1856RB	WEATHER STRIP ANGLE	9.5000	142	15
DF1857--	WEATHER STRIP CLAMP	2.9000	87	30
DF1858LB	WEATHER STRIP ANGLE	8.8000	132	15
DF1858RB	WEATHER STRIP ANGLE	8.8000	132	15
DF1859--	WEATHER STRIP CLAMP	2.6000	78	30
DF1860-B	WEATHER STRIP ANGLE	1.8000	27	15
DF1861--	WEATHER STRIP CLAMP	0.6000	9	15
DF1862--	BIFOLD DOOR BRACE	4.4000	264	60
DF1870--	BIF ACC DR JAMB-CANNONBALL	15.0000	450	30
DF1871L-	OVERHEAD DOOR JAMB	46.9000	93	2
DF1871R-	OVERHEAD DOOR JAMB	46.9000	93	2
DS1804--	DOOR SHEET 6'-9 1/4	22.0000	7920	360
DS1805--	DR EDGE SHT 6'-9 1/4	5.8000	348	60
DS1809-A	DR MULL SHT 6'-9 1/4	12.4000	744	60

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06/30/99

DWG NO. =====	DESCRIPTION =====	WT. EA. =====	WEIGHT =====	QTY. =====
PA1801-B	PART ANG 18 BAY	22.7000	295	13
PA1802-B	PART ANG 18 BAY	17.8000	231	13
PL1801-B	21' PURLIN	88.0000	15840	180
PL1802--	START PURLIN	52.0000	624	12
PL1803--	COMP PURLIN	36.0000	432	12
RS0301-D	RIDGE CAP (L F) (G-LUME)	1.1000	22	20
TR--01--	21' OFFICE TRUSS 40PSF LOAD	248.0000	496	2
TR1827-B	INTERIOR BEAM 40 PSF	380.0000	12160	32
TR1828LB	ENDWALL BEAM 40 PSF	332.0000	664	2
TR1828RB	ENDWALL BEAM 40 PSF	332.0000	664	2
TR1836--	TENSION STRAP	3.8000	114	30
TR1842--	INSULATION SUPPORT ANGLE	4.3000	129	30
TR2010-D	42' TRUSS-LEFT 40 PSF	384.0000	5760	15
TR2011-C	42' TRUSS - RT. 40 PSF	384.0000	5760	15
WA0402-B	CABLE LIFT LUG	1.0000	30	30
WA0406-E	CANE BOLT ASSY	5.0000	150	30
WA0474--	HINGE CTR SMALL	2.0000	120	60
WA1811--	HINGE CTR LARGE	2.0000	240	120
WA1819-C	BREAKER ASSY	3.0000	180	60
WA1828-A	DR LOCK HANDLE	1.0000	30	30
WA1837LC	DR LOCK LATCH PL	3.0000	45	15
WA1837RC	DR LOCK LATCH PL	3.0000	45	15
WA1841-D	DOOR LOCK ASSY	2.0000	60	30
WA1869-B	42' DR MTR PLAT ASSY	150.0000	2250	15
WA1885--	CANE BOLT ANCHOR PLATE	0.9000	27	30

DWG NO. =====	DESCRIPTION =====	WT. EA. =====	WEIGHT =====	QTY. =====	
XD3066--	3' CANNONBALL ACCESS DOOR	53.0000	795	15	
XD5065--	DR OPR DECAL	0.0134	0	15	
XF0842--	BOTT FL (NYLON) 42 FT	5.3200	79	15	
XF1342--	TOP FL (NYLON) 42 FT	8.6500	129	15	
XFS625--	5/8 HS FLAT WASH	0.0780	9	120	
XL2000--	SCHLAGE LOCKSETS	1.4300	21	15	
XP3164--	36" PART SHEET -13'-8"	33.4000	868	26	} SHIPPED DIRECT
XP3170--	36" PART SHEET -14'-2"	34.6000	899	26	
XP3176--	36" PART SHEET -14'-8"	35.9000	466	13	
XP3180--	36" PART SHEET -15'-0"	36.7000	2752	75	
XP3189--	36" PART SHEET -15'-7	38.5000	3965	103	
XP4315--	33" SHOP CUT SHEET 14'-8"	31.7000	412	13	
XP4816--	18" SHOP CUT SHEET 15'-7	18.9000	75	4	
XR1320--	ROOF SHEETS 26'-8"	83.2400	18812	226	SHIPPED DIRECT
XR2453--	FURNAS DR SWITCH	1.4400	21	15	
XS1275--	#12 SD SCREWS NO W	0.0088	50	5740	
XS1375--	ROOF SHT SEAM SEAL LN FT	0.0300	228	7600	
XS1475--	#14 ST SCREWS NO W	0.0116	20	1800	
XS3775--	3/8-12 X 1 ST SCREW	0.0355	43	1220	
XT0360--	DOUBLE SIDED TAPE(L.F.)	0.0056	8	1440	
XW1210--	#12x1 SD ROOF SCREW W/W	0.0201	127	6350	
XW1220--	#12 x 2" SD SCREW NO WASH	0.0170	2	135	
XW1225--	#10-16 x 1 1/4" PHIL FH SD	0.0072	0	135	
XW1275--	#12 SD SCREWS W/W-FERN GR.	0.0113	6	610	
XW1476--	#14 S.T.SCREW w/w-FERN GR.	0.0140	48	3400	