## **GENERAL NOTES AND SPECIFICATIONS:**

1. SERIES LS18 FLUSH OUTSWING COMMERCIAL STEEL DOOR, SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE **2006** EDITION OF THE INTERNATIONAL BUILDING CODE, (IBC) AND INTERNATIONAL RESIDENTIAL CODE, (I.R.C.) WITH THE **2006** TEXAS REVISIONS, EFFECTIVE JANUARY 1, 2008.

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1609 OF THE INTERNATIONAL BUILDING CODE, FOR A BASIC WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE PRODUCT WILL BE INSTALLED, AND FOR A DIRECTIONALITY FACTOR Kd = 0.85, IN ACCORDANCE WITH ASCE 7-05 STANDARD, AND SHALL NOT EXCEED THE DESIGN PRESSURE RATING INDICATED ON THIS SHEET.

IN ORDER TO VERIFY THAT ANCHORS ON THIS P.E.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2005.

THIS DOOR'S ADEQUACY FOR WIND AND IMPACT LOAD HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 AND R301.2.1.2 OF THE ABOVE MENTIONED CODES RESPECTIVELY AS PER FLORIDA HIGH VELOCITY HURRICANE ZONE PROTOCOLS TAS-201, TAS-202, TAS-203 AS PER FENESTRATION TESTING LABORATORY, INC. REPORT #FTL-1735, FTL-1736 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION **1604** OF THE ABOVE MENTIONED BUILDING CODE.

- 2. ALL COMPONENTS SHALL BE AS SPECIFIED ON APPLICABLE DETAIL SHEETS AND AT BILL OF MATERIALS OF THIS DRAWING.
- 3. COMPLIANCE OF EGRESS / ESCAPE REQUIREMENTS OF THESE DOORS PER IBC TO BE DETERMINED BY BUILDING OFFICIALS ON A CASE-BY-CASE BASIS.
- 4. ALL SCREWS INSTALLED AT SEAWARD AREAS TO BE STAINLESS STEEL 304 OR 316 AISI SERIES AND MEET ASTM A167, OR HOT DIPPED GALVANIZED (AFTER FABRICATION) CARBON STEEL AS PER ASTM A 123 OR ASTM A153, OR HOT DIPPED GALVANIZED OR GALVANNEALED (PRIOR TO FABRICATION) AND MEET ASTM A653 WITH 50 ksi YIELD STRENGTH AND 90 hsi TENSILE STRENGTH, PER 2006 TEXAS REVISIONS TO SECTION TO SECTION 1716.1.2 OF THE 2006 I.B.C AND SECTION R324.1.1 OF THE 2006 I.R.C.
- ALL SCREWS INSTALLED AT INLAND I AREAS TO BE STAINLESS STEEL 304 OR 316 AISI SERIES AND MEET ASTM A167, OR HOT SIPPED GALVANIZED (AFTER FABRICATION) CARBON STEEL AS PER ASTM A123 OR ASTM A153, OR HOT DIPPED GALVANIZED OR GALVANNEALED (PRIOR TO FABRICATION) AND MEET ASTM A653; HOT DIP GALVANIZED OR ELECTRO GALVANIZED PER ASTM A641, MECHANICALLY DEPOSITED ZINC COATING PER ASTM B695 OR ELECTRO DEPOSITED ZINC COATINGS PER ASTM BL33, PER THE 2006 TEXAS REVISIONS TO SECTION 1716.1.2 OF THE 2006 I.B.C AND TO SECTION R324.1.2 OF THE 2006 I.R.C.
- 5. ALL WELDING TO CONFORM W/AMERICAN WELDING SOCIETY A.W.S. D.1.3 AND D-19.0 REGULATIONS. USE E60XX ELECTRODES
- 6. ALL ANCHORS FOR DOOR FRAME CONNECTIONS TO EXISTING STRUCTURE SHALL BE AS SPECIFIED ON THIS DRAWING. MAXIMUM ANCHORS SPACINGS SHALL BE AS PER SECTIONS OF THIS DRAWING.
- 7. PROVIDE MAX. LOAD BEARING SHIM SPACE AS INDICATED IN THIS DRAWING

### 8. THIS DOOR WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.

- 9. THESE DOOR ASSEMBLIES ARE APPROVED FOR WATER AND AIR INFILTRATION AS PER TESTING INDICATED ON NOTE 1, AND SHALL BE LIMITED TO DESIGN PRESSURE RATINGS INDICATED ON DOOR SCHEDULE ON THIS SHEET.
- 10. PROVIDE SPECIFIED SEALANT AT ALL DOOR FRAME AND THRESHOLD.
- 11. (a) THIS P.E.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.E.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS P.E.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
- 12. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH TEXAS DEPARTMENT OF INSURANCE REQUIREMENTS. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.

# SHEETS CONTENT:

PAGE #1 INDEX & COVER PAGE.
PAGES #1A, 2 & 3 HOLLOW METAL DOOR ASSEMBLY DETAILS.
PAGE #4 HOLLOW METAL DOOR COMPONENT DETAILS DETAILS.
PAGE #5 HOLLOW METAL FRAME COMPONENT DETAILS DETAILS.

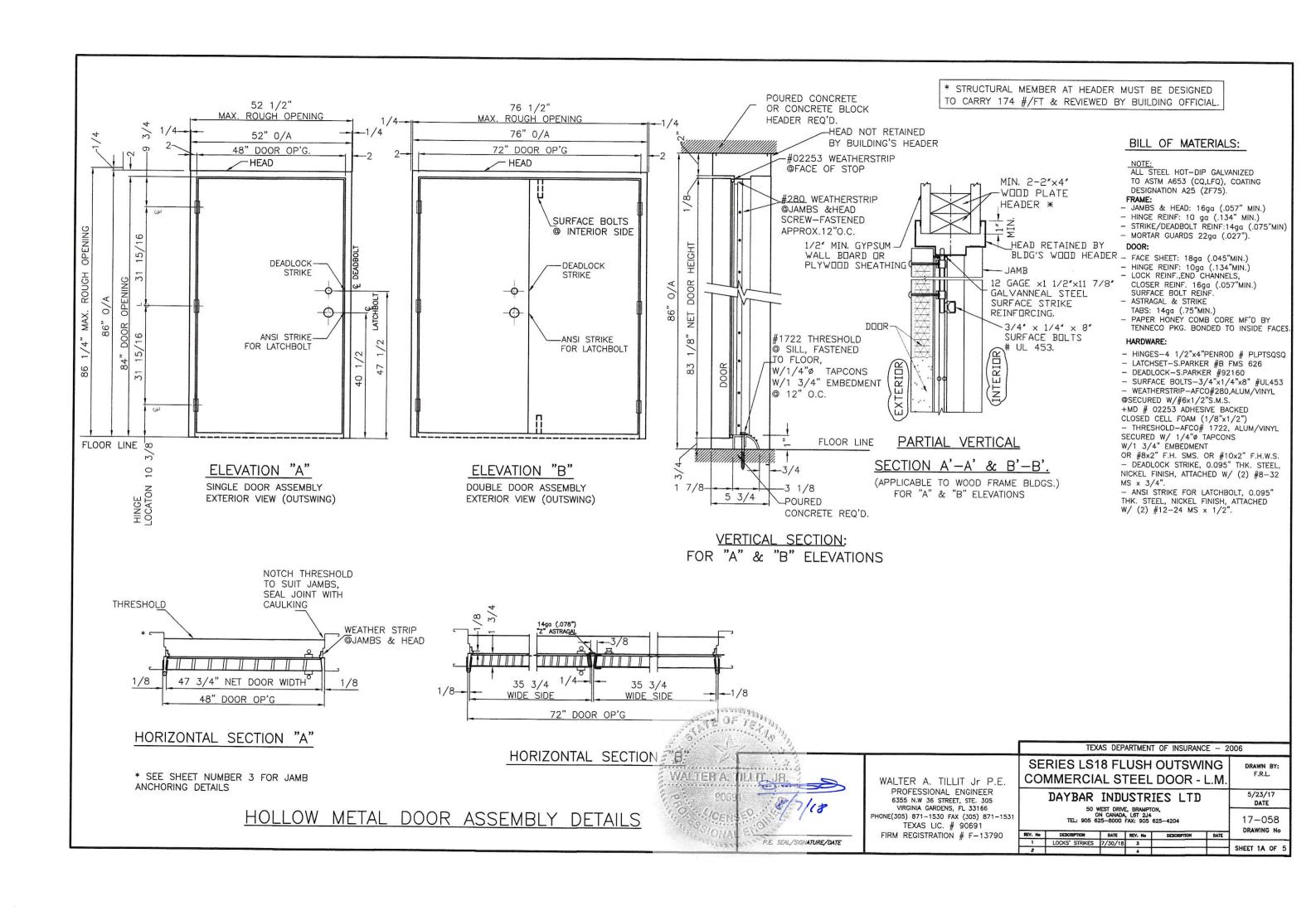
DOOR SCHEDULE						
Max.	Max. Design Pressure Rating					
	Where water infiltration Requirement is needed	Where water infiltration Requirement is not needed				
Positive	Not Approved	+60 PSF				
Negative	Not Approved	-60 PSF				

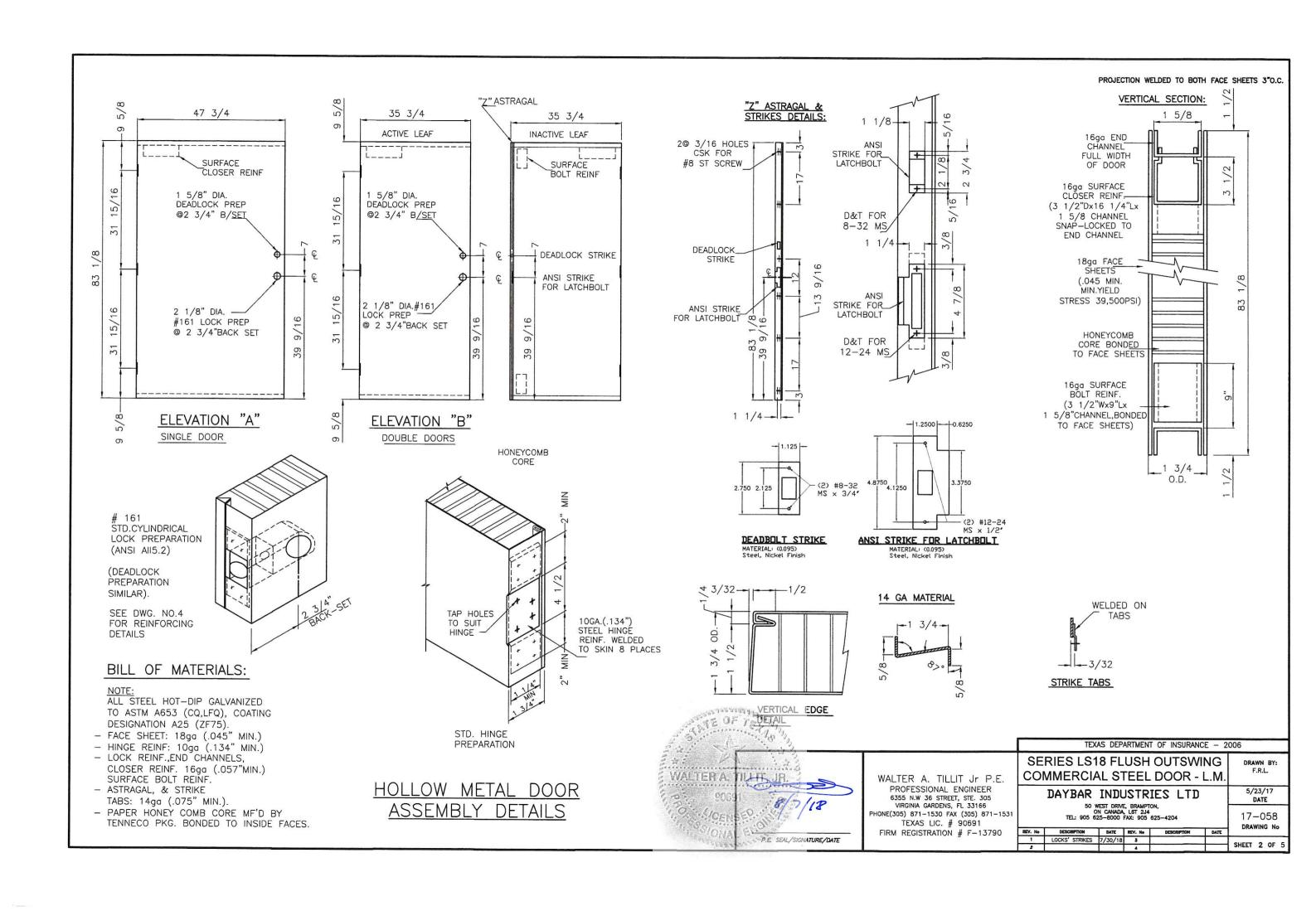
THIS DRAWING SHALL ONLY BE USED TO OBTAIN PERMITS UNDER THE TEXAS DEPARTMENT OF INSURANCE JURISDICTION

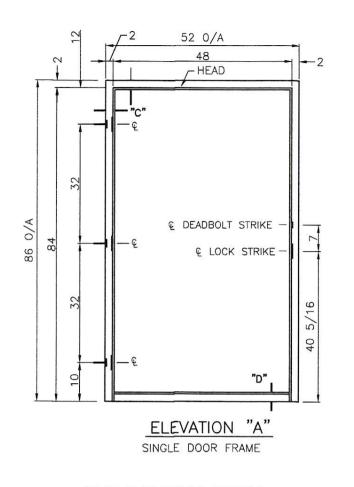


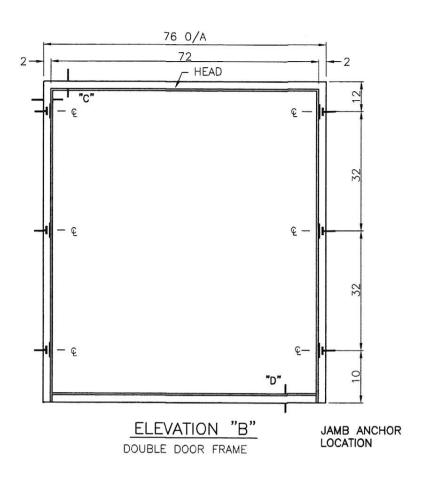
WALTER A. TILLIT Jr P.E.
PROFESSIONAL ENGINEER
6355 N.W 36 STREET, STE. 305
VIRGINIA GARDENS, FL 33166
PHONE(305) 871-1530 FAX (305) 871-1531
TEXAS LIC. # 90691
FIRM REGISTRATION # F-13790

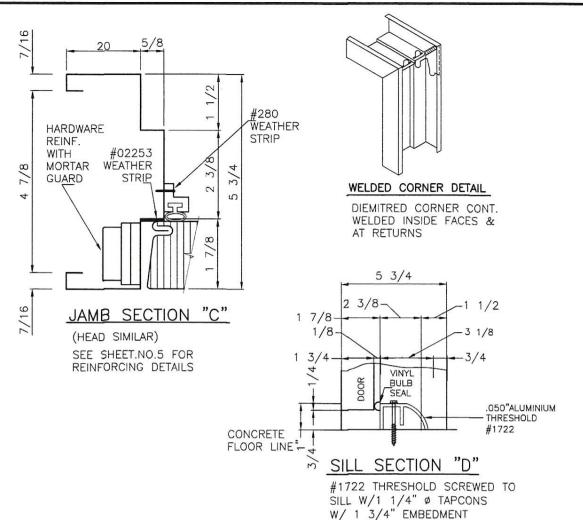
	TEX	KAS DEF	PARTMENT	OF INSURAN	CE - 2	2006	
	RIES LS'			그렇게 살면 없는 맛을 때 때		DRAWN BY: F.R.L.	
DAYBAR INDUSTRIES LTD						5/23/17 DATE	
50 WEST DRIVE, BRAMPTON, ON CANADA, LET 2J4 TEL: 905 625-8000 FAX: 905 625-4204						17-058	
EV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	DRAWING No	
1			3			SHEFT 1 OF 5	
2			1		_		







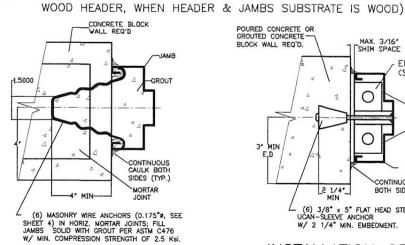




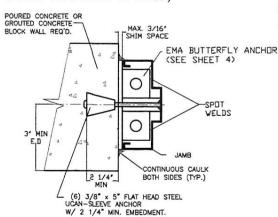
@ 12" O.C.

#### JAMB ANCHORING DETAILS:

(NO ANCHORS IN HEAD ARE REQUIRED WHEN HEADER & JAMBS SUBSTRATE IS CONCRETE OR GROUTED CONCRETE BLOCK HEAD IS REQ'D. TO BE RETAINED BY EXISTING BUILDINGS



WIRE ANCHOR INSTALLATION TO MASONRY WALLS



INSTALLATION OF UCAN SLEEVE ANCHORS TO MASONRY WALLS

# DOUBLE 2'x8' WOOD STUDS NAILED TO SHEATHING REQ'D. EMA BUTTERFLY ANCHOR WELDS 0 CONTINUOUS CAULK BOTH SIDES (TYP.) (6) 3/8'-16 X 6' STEEL CARRIAGE BOLT W/ NUT AND WASHER.

WALTERA

MHEDIN

P.E. SEAL/SIGNATURE/DATE

INSTALLATION OF 3/8 0 F 7 CARRIAGA BOLT TO WOOD FRAME WALLS

HOLLOW METAL DOOR ASSEMBLY DETAILS

### BILL OF MATERIALS:

NOTE: ALL STEEL HOT-DIP GALVANIZED TO ASTM A653 (CQ,LFQ), COATING DESIGNATION A25 (ZF75).

- JAMBS & HEAD: 16ga (.057" MIN.) - HINGE REINF: 10 ga (.134" MIN.)
- STRIKE/DEADBOLT REINF:14ga (.075"MIN)
- MORTAR GUARDS 22ga (.027").

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TEXAS DEPARTMENT OF INSURANCE - 2006 SERIES LS18 FLUSH OUTSWING COMMERCIAL STEEL DOOR - L.M. 5/23/17 DAYBAR INDUSTRIES LTD 50 WEST DRIVE, BRAMPTON, ON CANADA, LET 2J4 TEL: 905 625-8000 FAX: 905 625-4204 17-058 DRAWING No DATE REV. No SHEET 3 OF 5

