

PROJECT:

3630F - 3600 x 3000 x 2439 ID (FLAT)

LOCATION:

CUSTOMER

JOB #

3630F

GENERAL INFORMATION

CONCRETE PANEL THICKNESS:

WALLS: 102mm

ROOF: 102mm - 152mm

FLOOR: 152mm c/w 25mm STEPDOWN

DESIGN LIVE LOADS:

SNOW: 60 PSF

FLOOR: 100 PSF

WIND: 27 PSF

OCCUPANCY CATEGORY: NORMAL (1.0)

ALL REBAR CAGES SHALL BE WELDED OR TIED

FINISHES

EXTERIOR: PLEASE SPECIFY (REFER TO SHEET F-1)

INTERIOR: SMOOTH CONCRETE

PAINT COLOURS

DOORS: PLEASE SPECIFY (REFER TO SHEET F-1)

EXTERIOR WALLS: NOT PAINTED

INTERIOR WALLS: NOT PAINTED

FLOOR: NOT PAINTED

ROOF: NOT PAINTED

FLOOR & ROOF EDGE: SHERWIN WILLIAMS H&C STAIN SPECIAL GREY

[COLOUR SHOWN IN IMAGE MAY NOT BE EXACT ]

ASSEMBLY

IN HOUSE

APPROXIMATE BUILDING WEIGHT: 32 900 LBS (14.92 TONNE)

DRAWING INDEX

CVR - COVER PAGE

B - BUILDING DRAWINGS

P - PRODUCTION DRAWINGS

A - ASSEMBLY DETAILS

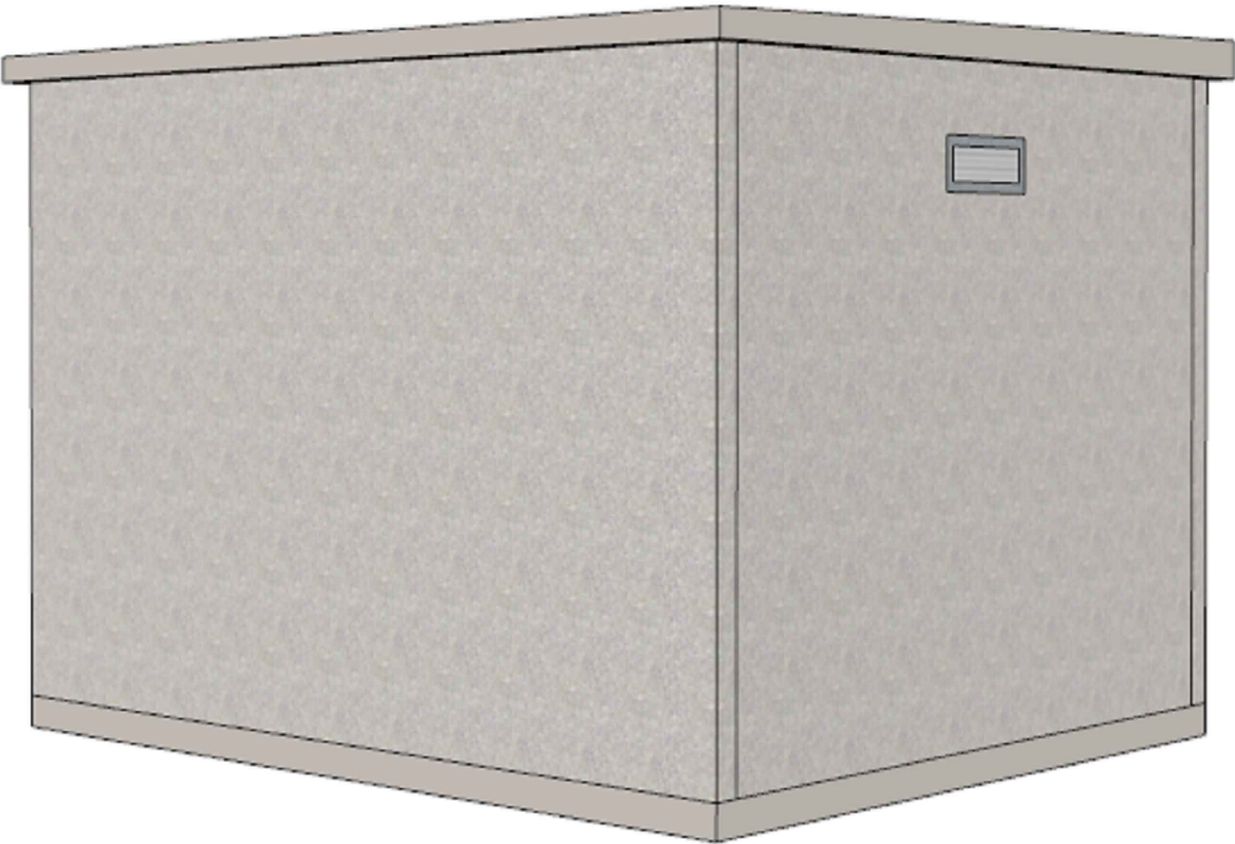
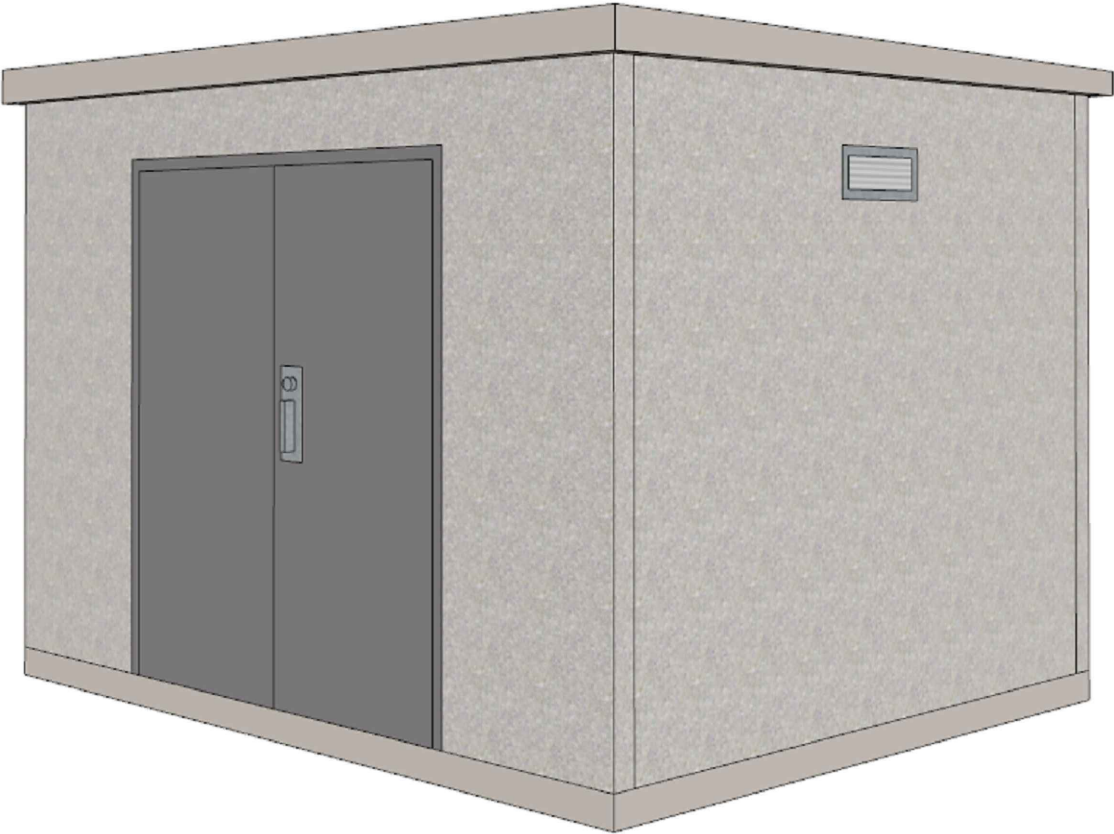
S - SITE PREPARATION

L - LIFT STUDY

D - DOOR DETAILS

F - FINISHES

M - MATERIALS



IMAGES SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND DO NOT REPRESENT ACTUAL BUILDING FINISH. PLEASE REFER TO SHEET F-1 FOR STANDARD FINISH OPTIONS AVAILABLE.

DRAWING APPROVAL

CUSTOMER: ☐ APPROVED ☐ APPROVED AS NOTED

☐ REVISE AND RESUBMIT

SIGNED BY:	DATE:
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NOTES:

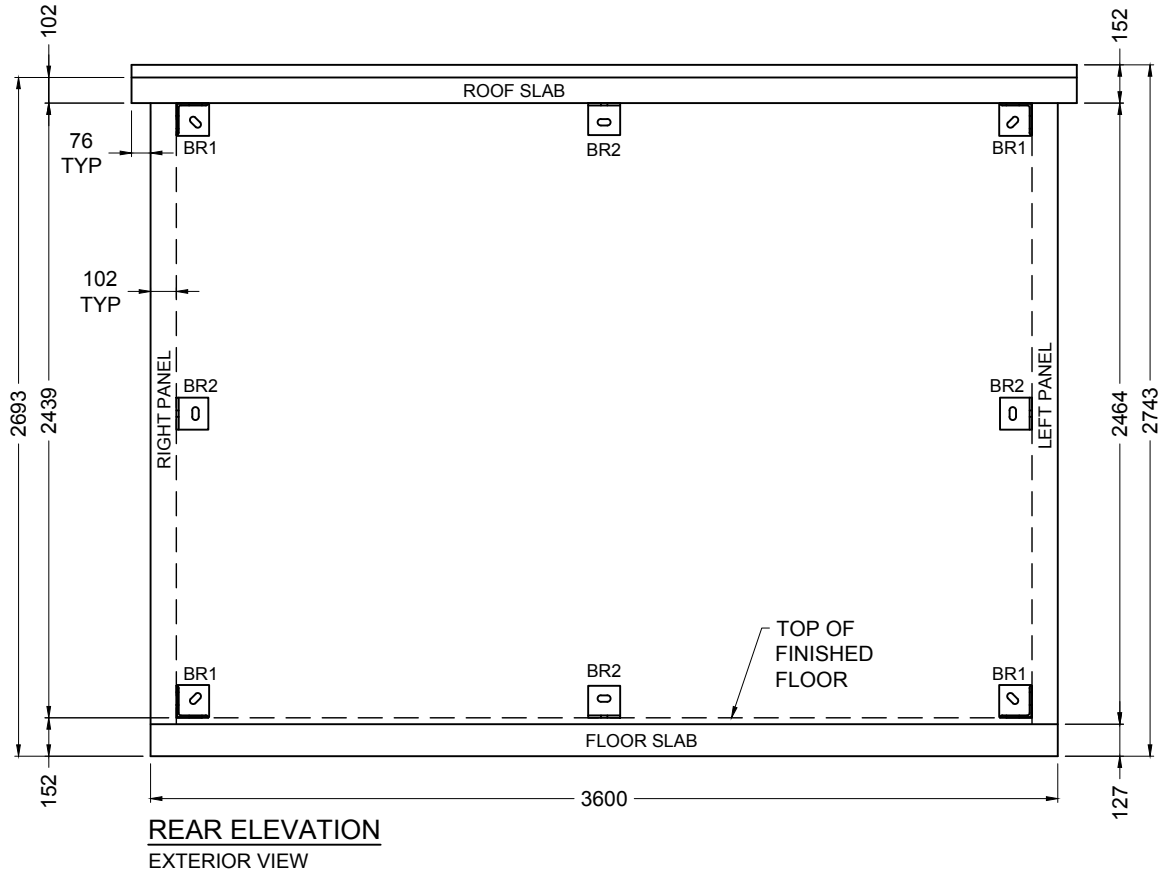
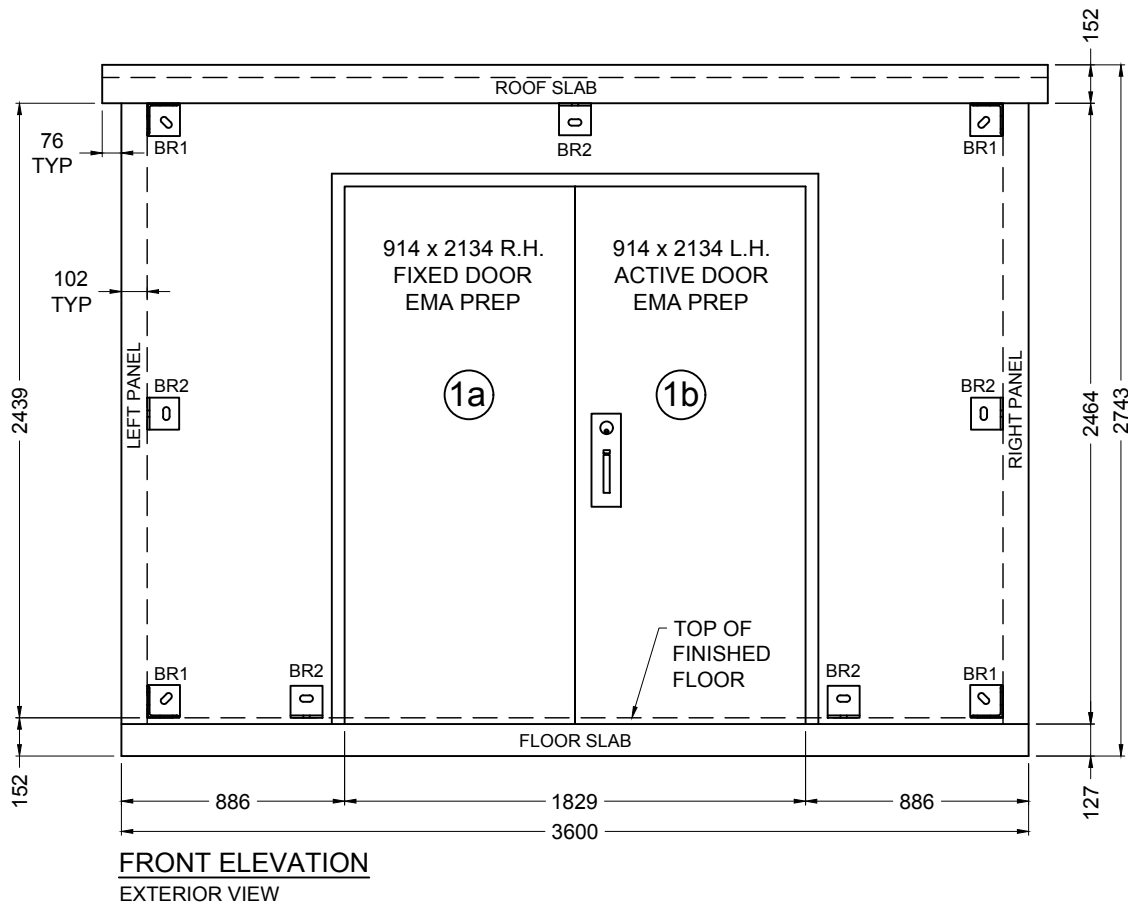
1) PLEASE REVIEW ALL DRAWINGS AND PROVIDE ANY INFORMATION REQUESTED OR MISSING. MARK ALL CHANGES DIRECTLY ON OUR DRAWINGS. PROJECTS WILL NOT BE RELEASED FOR PRODUCTION UNTIL A FULL SET OF DRAWINGS ARE SIGNED, DATED, AND RETURNED TO HY-GRADE MARKED APPROVED. PLEASE RETURN VIA EMAIL OR FAX.

2) THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY REQUIRED BUILDING PERMITS PRIOR TO THE SHIPMENT DATE OF THE BUILDING.

REV.	DESCRIPTION	ENG.	DATE
0	ISSUED FOR APPROVAL	SS	FEB 7 2018

2411 First Street Louth,  
St.Catharines,ON, L2R 6P7  
Tel: 905-684-8568  
Fax: 905-684-8560  
www.hygradeprecast.com





REV.	DESCRIPTION	ENG.	DATE
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PRODUCTION NOTES

SPECIAL REQUIREMENTS

SPECIFICATION				
CONCRETE	CURING	MIX	AIR ENT.	CEMENT TYPE
	MIN DESIGN STRENGTH		MIN STRIPPING STRENGTH	
REBAR	YIELD	PRIMARY COVER	2ND COVER	
WWF	YIELD	COVER		
STEEL	YIELD			
STRUCTURAL STEEL	YIELD			
CONCRETE VOLUME			SCALE & UNIT	N.T.S. / mm OR UNLESS SPEC.
WEIGHT	FRONT PANEL: 2 485 LBS + DOOR (290 LBS) = 2 775 LBS REAR PANEL: 4 775 LBS			

TITLE

FRONT & REAR ELEVATIONS

PROJECT INFORMATION		
JOB NO.	3630F	CONTRACT NO. PM
CUSTOMER		
PROJECT		
3600 X 3000 X 2439 ID (FLAT)		

DESIGNER INFORMATION	
BY	ENGINEER STAMPS
TITLE	
REF ID	
REV	DATE
0	
1	
2	
ENGINEER	
DRAFTED BY	
KB	
CHECKED BY	
QUALITY CONTROL	
PROJ. CONF.	
MFG. CONF.	
VIEWS	
MASS	
DIMENSION	
HARDWARE	
LIFTING	
REINF.	
SHEET	
B-1	
REV	

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WWF	YIELD	COVER		
STEEL	YIELD			
STRUCTURAL STEEL	YIELD			
CONCRETE VOLUME			SCALE & UNIT	N.T.S. / mm OR UNLESS SPEC.
WEIGHT	LEFT PANEL: 3 692 LBS RIGHT PANEL: 3 692 LBS			


TITLE
LEFT & RIGHT ELEVATIONS

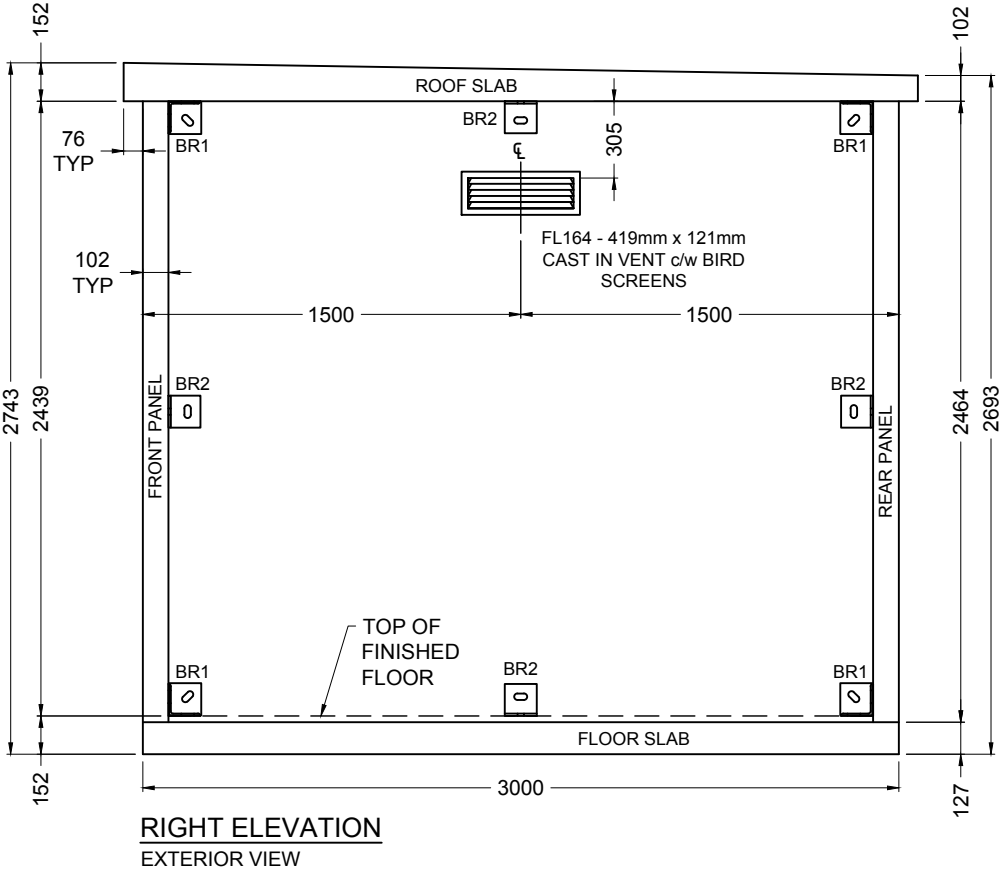
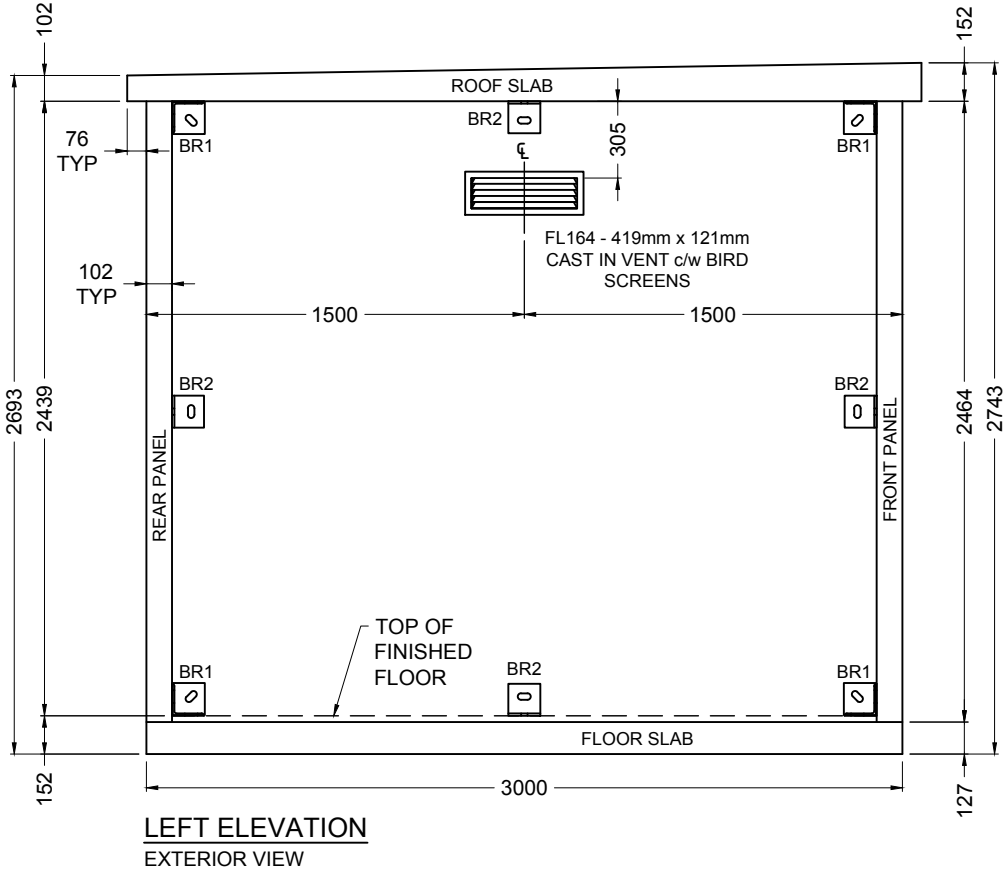
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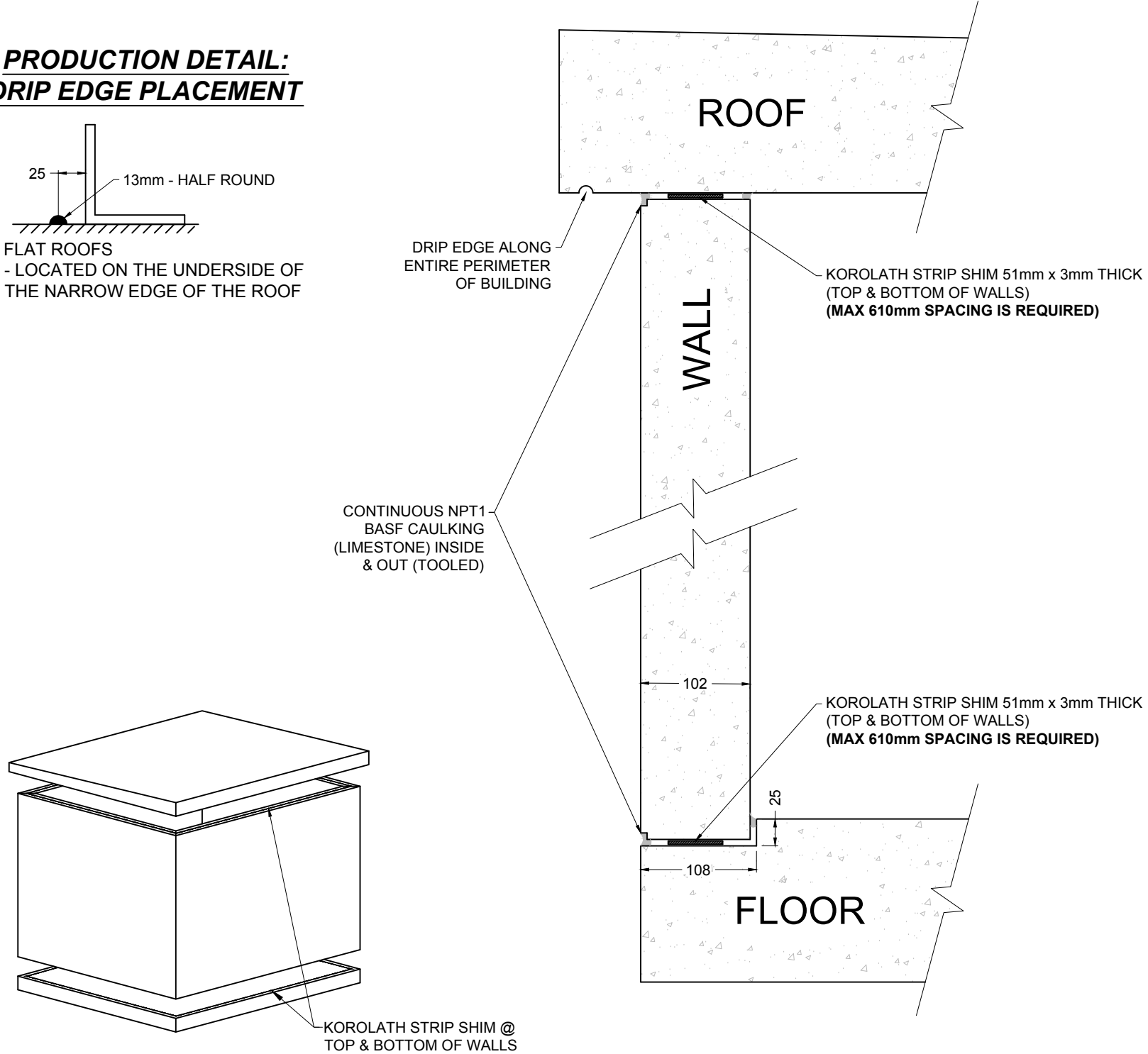
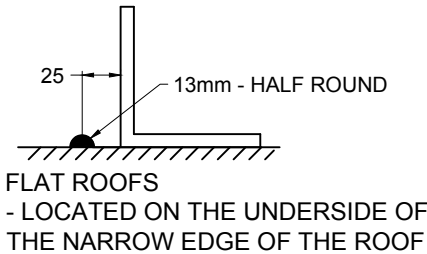
  
HY-GRADE  
PRECAST CONCRETE





SLAB TO WALL & WALL TO ROOF SEALING DETAIL

PRODUCTION DETAIL:  
DRIP EDGE PLACEMENT



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WWF	YIELD	COVER		
STEEL	YIELD			
STRUCTURAL STEEL	YIELD			
CONCRETE VOLUME			SCALE & UNIT	N.T.S. / mm OR UNLESS SPEC.
WEIGHT				

TITLE
SEALANT DETAILS

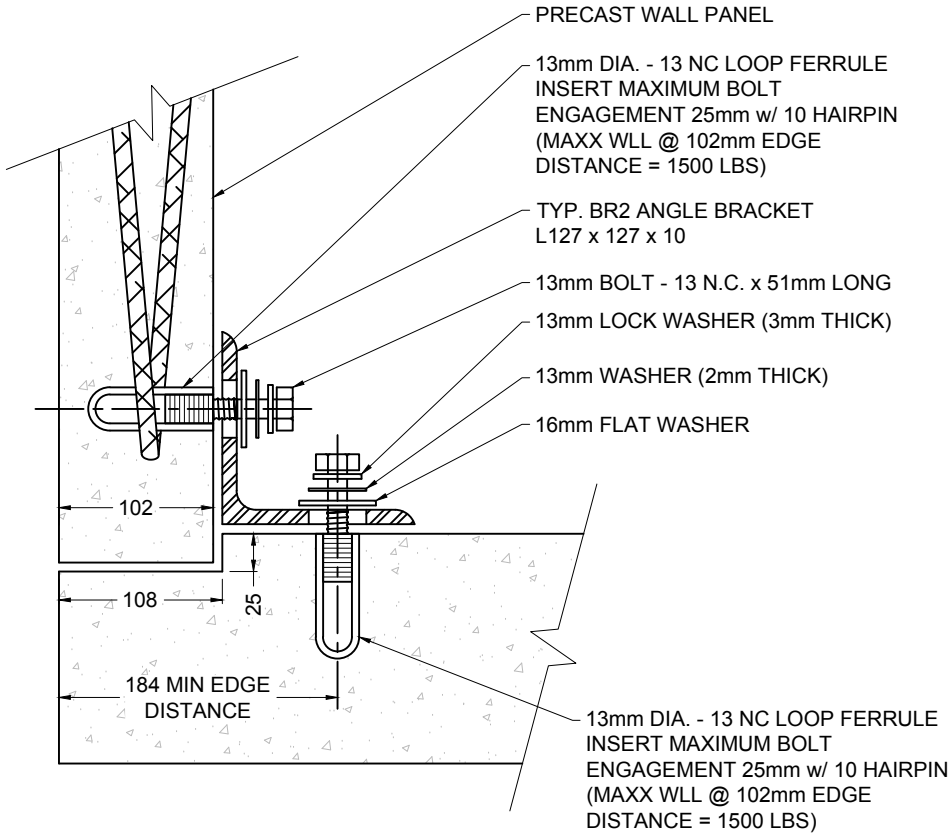
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PROJECT 3600 X 3000 X 2439 ID (FLAT)		

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SHEET	A-1
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TYP. BOLTED CONNECTION DETAIL  
WALL TO FLOOR



Loop Ferrule Insert

The Loop Ferrule Insert is fabricated by welding a looped strut to a closed-end ferrule. The Loop Ferrule insert is available in various sizes and is well suited for structural connections and the suspension of equipment, piping, etc. Minimum spacing between inserts is twice the minimum corner distance. Safe Working Load provides a factor of safety of approximately 3 to 1 in 3,000 psi normal weight concrete. Safe Working Loads are based on 13mm setback from face of concrete.

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STEEL	YIELD			
STRUCTURAL STEEL	YIELD			
CONCRETE VOLUME		SCALE & UNIT	N.T.S. / mm OR UNLESS SPEC.	
WEIGHT				

TITLE
CONNECTION DETAILS

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HARDWARE	
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LIFTING	
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SHEET	
A-2	
REV	

SUGGESTED MINIMUM SITE PREPARATION NOTES

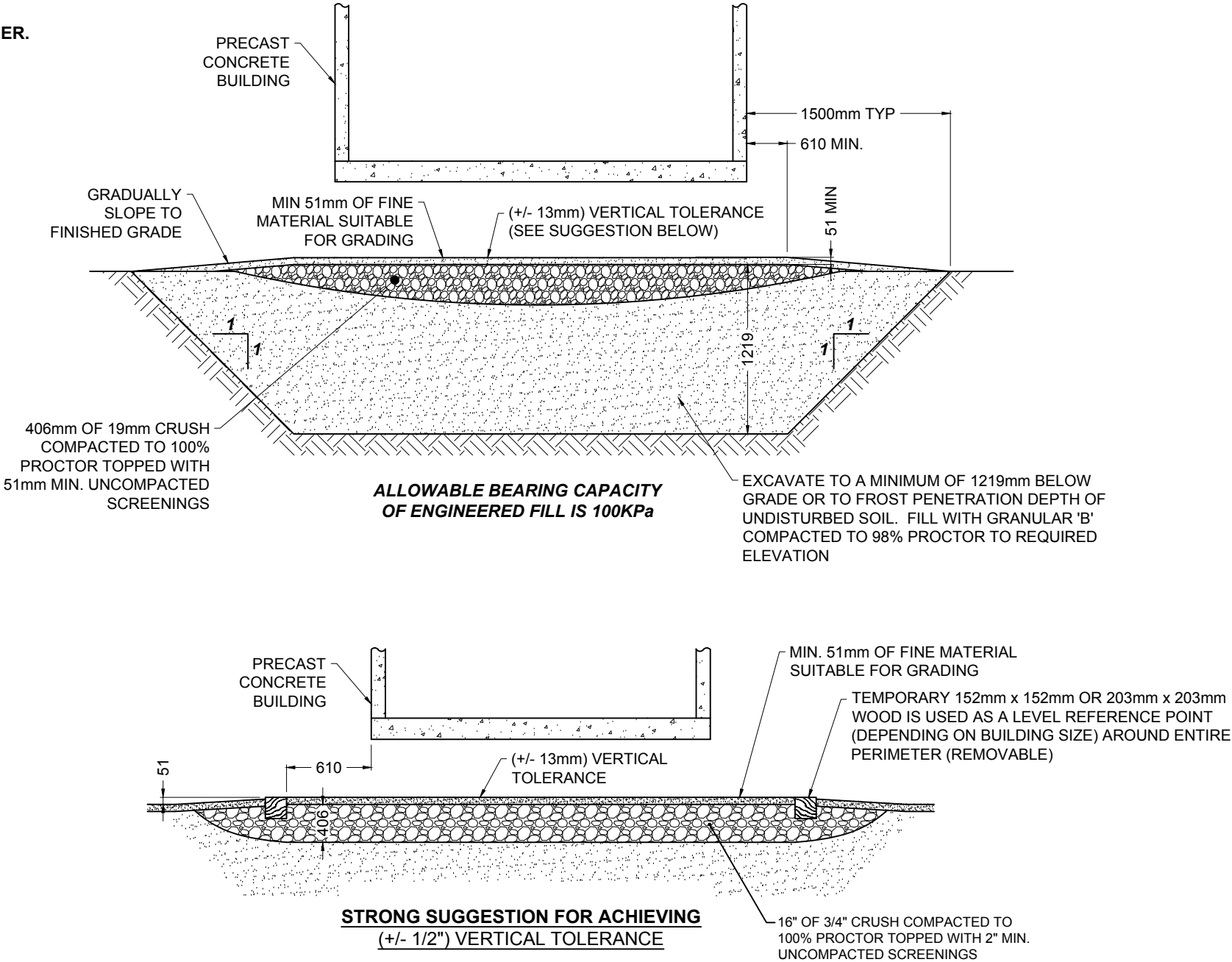
\* FINAL PROJECT SITE DESIGN AND SITE PREPARATION IS BY CUSTOMER.  
\* THIS PAGE IS ONLY A RECOMMENDATION.

1. GRANULAR PAD SHOULD BE AT MINIMUM OF 610mm WIDER AND 610mm LONGER THAN THE BUILDING, WITH BUILDING SITUATED AT CENTER OF PAD.
2. THE PAD AREA SHOULD BE STRIPPED OF ALL ORGANIC AND DELETERIOUS MATERIAL. EXCAVATE TO 1219mm BELOW GRADE OR TO FROST PENETRATION DEPTH. BACKFILL WITH OPSS 1010 GRANULAR 'B' COMPACTED TO 98% SPDD. PROVIDE A MINIMUM OF 406mm OF 19mm CRUSH SUBBASE BENEATH THE SLAB ON GRADE COMPACTED TO 100% STANDARD PROCTOR DRY DENSITY. PROVIDE A MINIMUM 51mm TOP LAYER OF FINE MATERIAL SUITABLE FOR GRADING.
3. ENSURE THAT THE GRANULAR SUBBASE AND THE AREA SURROUNDING THE BUILDING ARE WELL DRAINED BY POSITIVE SLOPE OF SUBGRADE OR BY UNDERFLOOR DRAINAGE PIPES. ENSURE ALL FINISHED SURFACES ADJACENT TO THE BUILDING SLOPE AWAY FROM THE BUILDING PERIMETER.
4. IF SOIL IS DISTURBED, EXCAVATION MUST BE LOWER THAN THE DISTURBED LEVEL AS PER GEOTECHNICAL REVIEW.

HY-GRADE PRECAST WILL NOT BE RESPONSIBLE FOR ANY DAMAGE OR DELAYS CAUSED BY POOR OR UN-FINISHED SITE PREPARATION.

ACCESS

CONTRACTOR MUST PROVIDE LEVEL UNOBSTRUCTED AREA LARGE ENOUGH FOR A CRANE AND A TRACTOR-TRAILER TO PARK ADJACENT TO THE PAD. THE CRANE MUST BE ABLE TO PLACE IT'S OUTRIGGERS WITHIN 1524mm OF THE EDGE OF THE PAD. THE TRUCK AND CRANE MUST BE ABLE TO GET SIDE-BY-SIDE UNDER THEIR OWN POWER. NO OVERHEAD LINES MAY BE WITHIN A 22.86m RADIUS OF THE CENTER OF THE PAD. A MINIMUM OR 610mm CLEARANCE IS REQUIRED BETWEEN THIS BUILDING AND ADJACENT BUILDINGS.



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WEIGHT				

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SITE PREPARATION

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PROJECT	3600 X 3000 X 2439 ID (FLAT)
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DOOR #1

DOOR FRAME DATE REQ'D: \_\_\_\_\_

QTY.	SIZE	GAUGE	OUT-SIDE SWING
1	1829 x 2134	16	DOUBLE DOOR

\*\* EMA PREP FRAME \*\*

DOORS DATE REQ'D: \_\_\_\_\_

MARK	QTY.	SIZE	GAUGE	OUT-SIDE SWING	INTERIOR	ASTRAGAL	HINGE-PREP	OPENING PREP
1a	1	914 x 2134	18	RIGHT HAND	HONEYCOMB	NONE	TYP 3/DOOR	NONE
1b	1	914 x 2134	18	LEFT HAND	HONEYCOMB	Z SHAPE	TYP 3/DOOR	NONE

\* USE STOCK MATERIAL

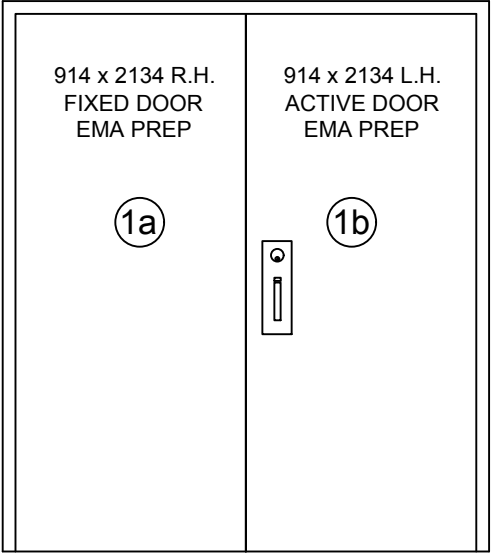
HARDWARE DATE REQ'D: \_\_\_\_\_

QTY.	DESCRIPTION
2	'A' HINGE SET - TYP. 3/DOOR (TAYMOR 4100, NRP, BB, BUTT HINGE, 114mm x 102mm, GREY PRIMED)
1	'B' LOCK SET - DOREX TLA51 32D - STANDARD SCHLAGE "C" w/ 178mm DOOR PULL & 102mm x 406mm PLATE
2	'C' CHECK CHAIN w/ BINDER POSTS & FASTENERS (N157A)
1	'D' THRESHOLD - CT-804 TYP. (KN CROWDER) x 1829mm LONG
1	'E' WEATHER STRIP - TYP. (KN CROWDER W-29) x 8231mm LONG
1	'F' SWEEP - TYP. (KN CROWDER W-13S-2) x 1829mm LONG - <i>CUT TO LENGTH BY HY-GRADE</i>
1	'G' DRIP CAP TYP. (KN CROWDER W-3) 1930mm LONG
2	'H' BARREL BOLT - 203mm ZINC PLATED HEAVY DUTY #SP108582

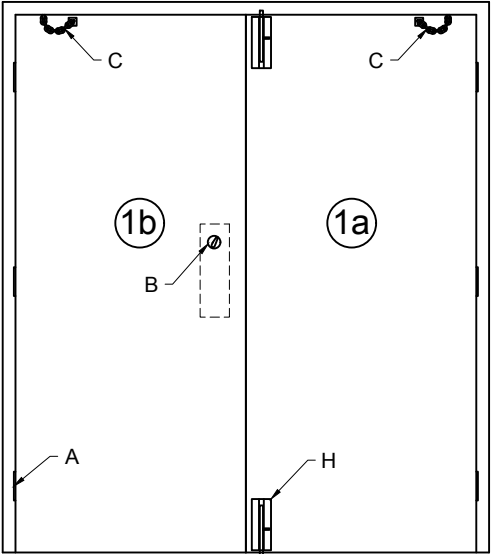
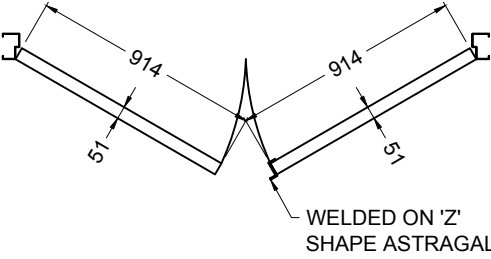
REFER TO PAGE D-2 FOR DETAILS

VENDOR:  
REGIONAL DOORS & HARDWARE

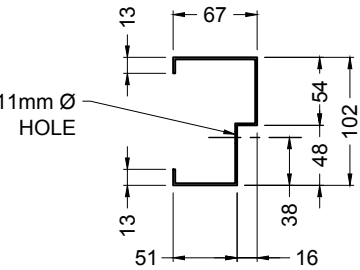
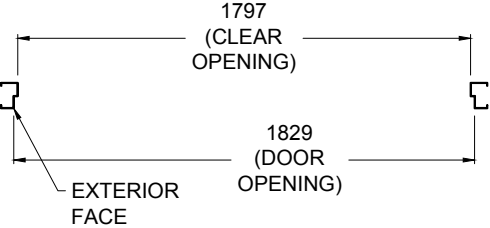
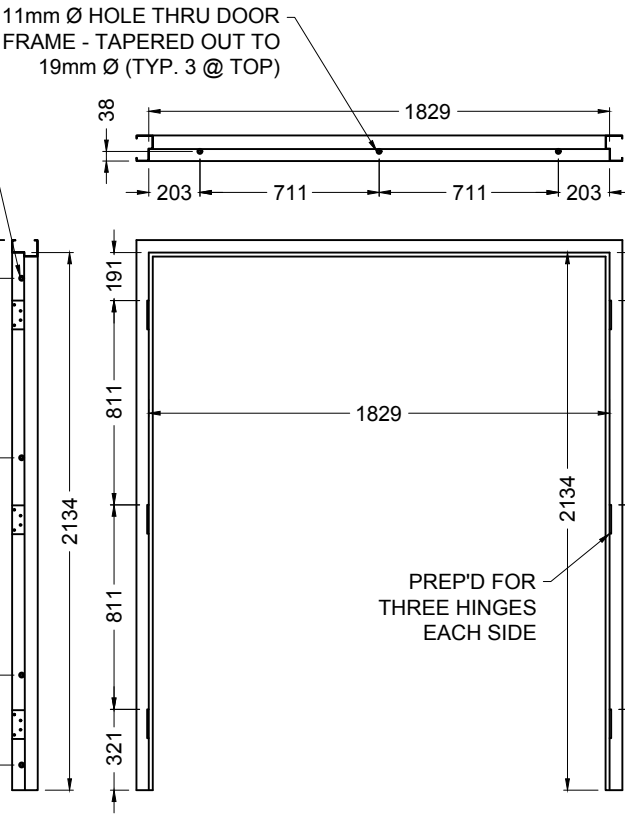
P.O. #:



OUTSIDE SWING



INTERIOR VIEW



STEEL FRAME IS **NOT** CAST INTO CONCRETE PANEL

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WWF	YIELD	COVER		
STEEL	YIELD			
STRUCTURAL STEEL	YIELD			
CONCRETE VOLUME			SCALE & UNIT	N.T.S. / mm OR UNLESS SPEC.
WEIGHT				

TITLE
DOOR 1 DETAILS

PROJECT INFORMATION		
JOB NO.	CONTRACT NO.	PM
3630F		
CUSTOMER		
PROJECT		
3600 X 3000 X 2439 ID (FLAT)		
DESIGNER INFORMATION		

BY		ENGINEER STAMPS	
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REF ID			
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0			
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ENGINEER			
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PROJ. CONF.			
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MFG. CONF.			
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VIEWS			
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DIMENSION			
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HARDWARE			
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LIFTING			
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REINF.			
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SHEET			
D-1			
REV			



A

HINGES - TAYMOR 4100 SERIES

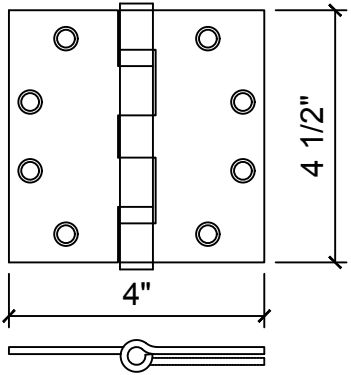
COMMERCIAL 4½" x 4" TEMPLATE BUTT HINGES

MODEL: 25-4173DC

NON-REMOVABLE PIN; BALL BEARING

FINISH: GREY PRIMED

MEETS BHMA/ANSI - A156.1 GRADE 2



B

LOCKSET ASSEMBLY

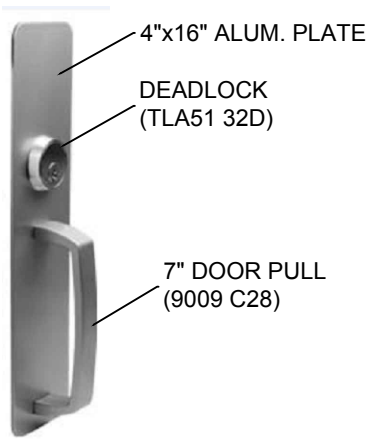
DEADLOCK - DOREX TLA SERIES


MODEL TLA 51 - SINGLE CYLINDER DEADLOCK

WITH INTERIOR THUMBTURN

FINISH: C32D (STAINLESS STEEL)

KEYWAY: STANDARD SCLAGE "C"; SOLID BRASS, REINFORCED WITH HARDENED STEEL SECURITY ROLLER; CONFORMS TO ANSI A156.6 GRADE 2; 3 HOUR cUL FIRE RATING.



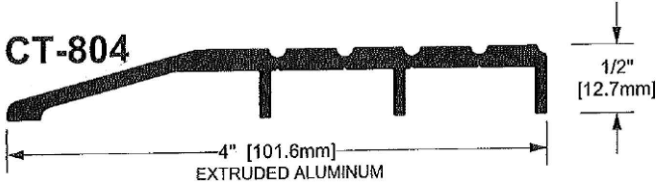


D

THRESHOLD

CT-804

EXTRUDED ALUMINUM

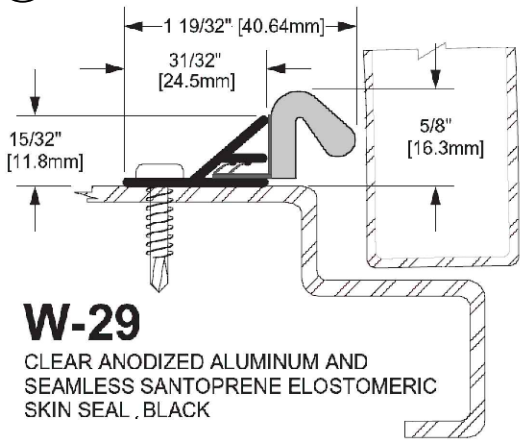


E

WEATHERSTRIPPING

W-29

CLEAR ANODIZED ALUMINUM AND SEAMLESS SANTOPRENE ELOSTOMERIC SKIN SEAL , BLACK

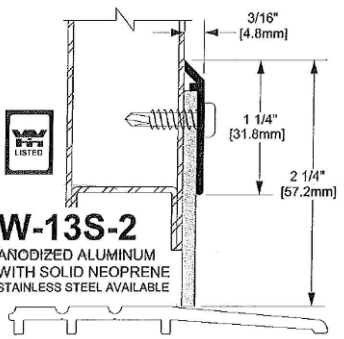


F

SWEEP

W-13S-2

ANODIZED ALUMINUM WITH SOLID NEOPRENE STAINLESS STEEL AVAILABLE

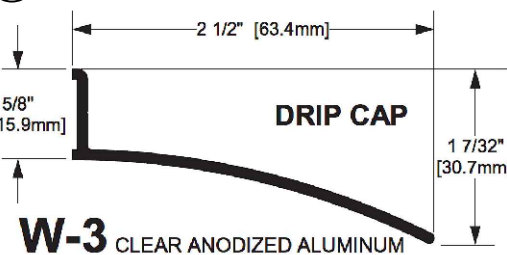


G

DRIP CAP

W-3

CLEAR ANODIZED ALUMINUM



H

BARREL BOLT

8" ZINC PLATED HEAVY DUTY

#SP108582



STANLEY

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STEEL	YIELD			
STRUCTURAL STEEL	YIELD			
CONCRETE VOLUME		SCALE & UNIT	N.T.S. / mm OR UNLESS SPEC.	
WEIGHT				

TITLE

DOOR HARDWARE

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FINISHES

EXTERIOR: PLEASE SPECIFY



SIMULATED OLD  
ASHLAR STONE



SIMULATED 8x3  
SMOOTH BRICK



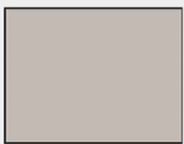
EXPOSED AGGREGATE

INTERIOR: SMOOTH CONCRETE

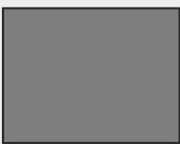


PAINT COLOURS

SAMPLE STOCK COLOURS



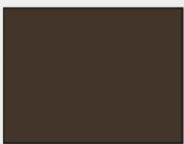
SPECIAL GREY



ANSI GREY



RELIABLE TAN



MAPLE BROWN



SPICED CIDER



COLONIAL WHITE



FOREST GREEN



CONSUMER BLUE



AUTUMN RIDGE RED

DOOR & FRAMES: PLEASE SPECIFY

EXTERIOR WALLS: ONLY AVAILABLE WITH SMOOTH  
BRICK TEXTURE

INTERIOR WALLS: NOT PAINTED

FLOOR: NOT PAINTED

ROOF: NOT PAINTED

FLOOR & ROOF EDGE: SW H&C STAIN - SPECIAL GREY

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SPECIAL REQUIREMENTS

SPECIFICATION				
CONCRETE	CURING	MIX	AIR ENT.	CEMENT TYPE
	MIN DESIGN STRENGTH		MIN STRIPPING STRENGTH	
REBAR	YIELD	PRIMARY COVER	2ND COVER	
WWF	YIELD	COVER		
STEEL	YIELD			
STRUCTURAL STEEL	YIELD			
CONCRETE VOLUME		SCALE & UNIT	N.T.S. / mm OR UNLESS SPEC.	
WEIGHT				

TITLE
FINISHES

PROJECT INFORMATION		
JOB NO.	3630F	CONTRACT NO. PM
CUSTOMER		
PROJECT 3600 X 3000 X 2439 ID (FLAT)		

DESIGNER INFORMATION	
BY	ENGINEER STAMPS
TITLE	
REF ID	
REV	DATE
0	
1	
2	
ENGINEER	
DRAFTED BY	
KB	
CHECKED BY	
QUALITY CONTROL	
PROJ. CONF.	
MFG. CONF.	
VIEWS	
MASS	
DIMENSION	
HARDWARE	
LIFTING	
REINF.	
SHEET	
F-1	
REV	

2411 First Street Louth,  
St.Catharines,ON, L2R 6P7  
Tel: 905-684-8568  
Fax: 905-684-8560  
www.hygradeprecast.com