

PROJECT:

3024F - 3000 x 2400 x 2439 ID (FLAT)

LOCATION:

CUSTOMER

JOB #

3024F

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: 24 900 LBS (11.3 TONNE)

DRAWING INDEX

CVR - COVER PAGE

B - BUILDING DRAWINGS

P - PRODUCTION DRAWINGS

A - ASSEMBLY DETAILS

S - SITE PREPARATION

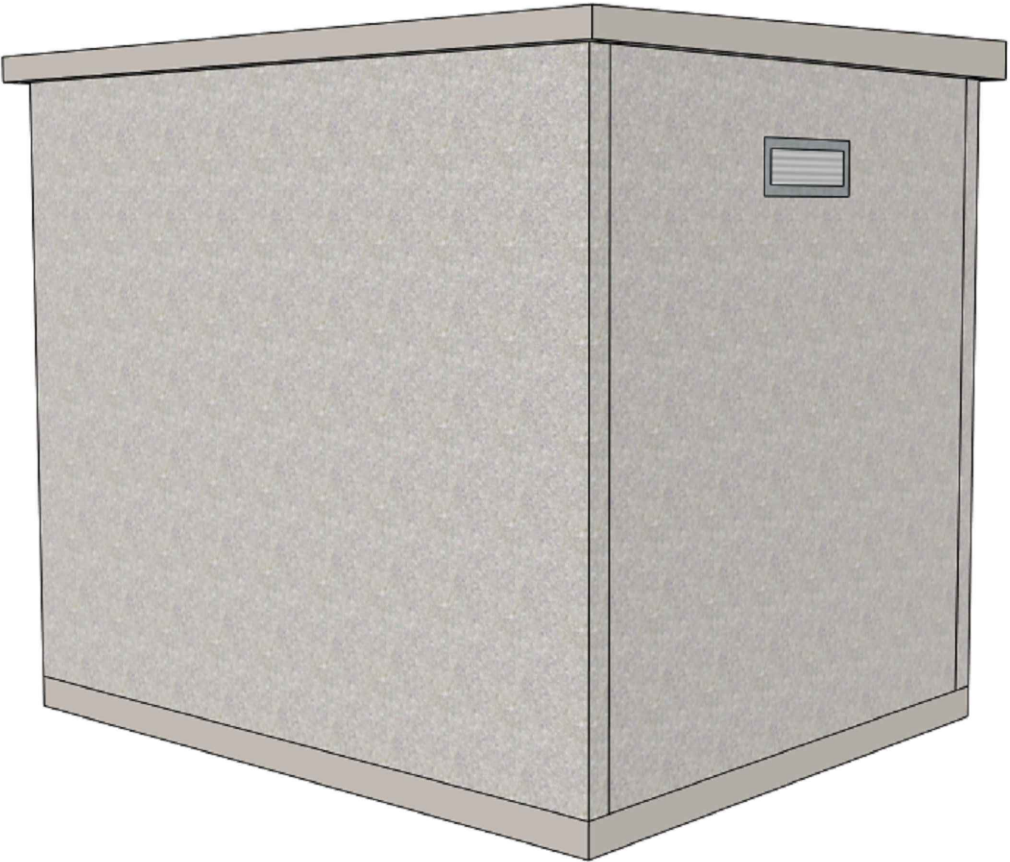
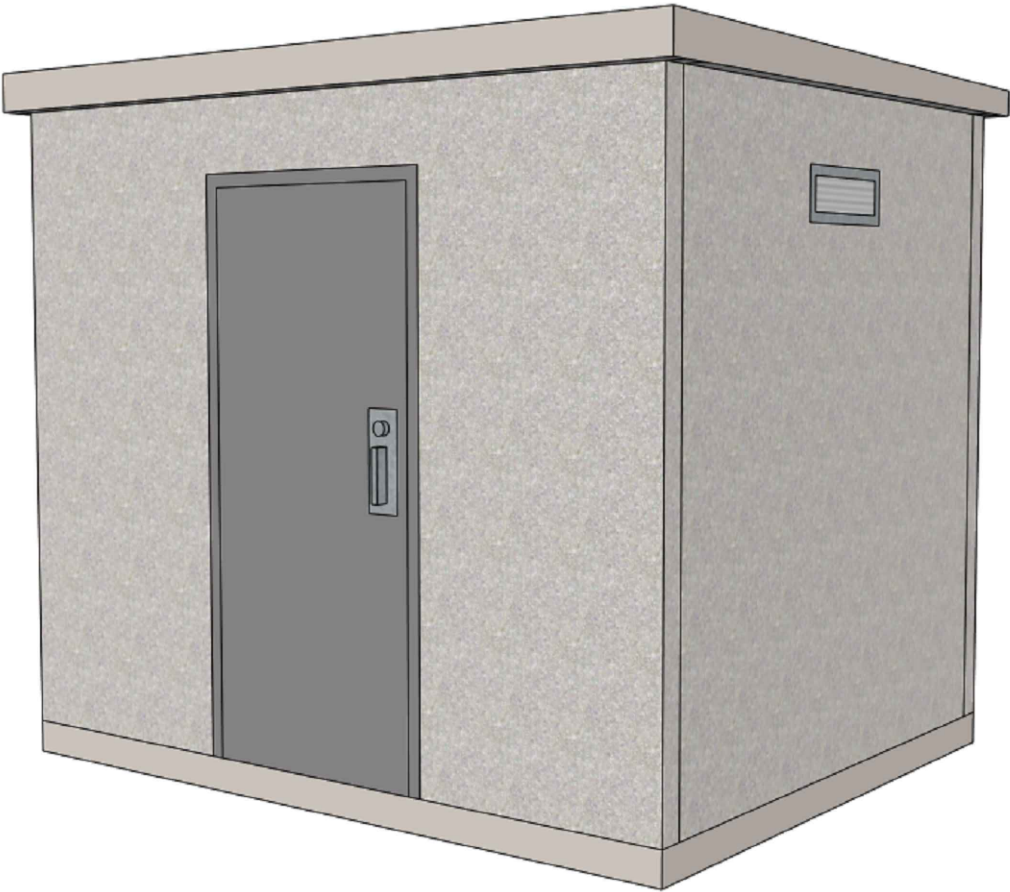
L - LIFT STUDY

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:

NOTES:

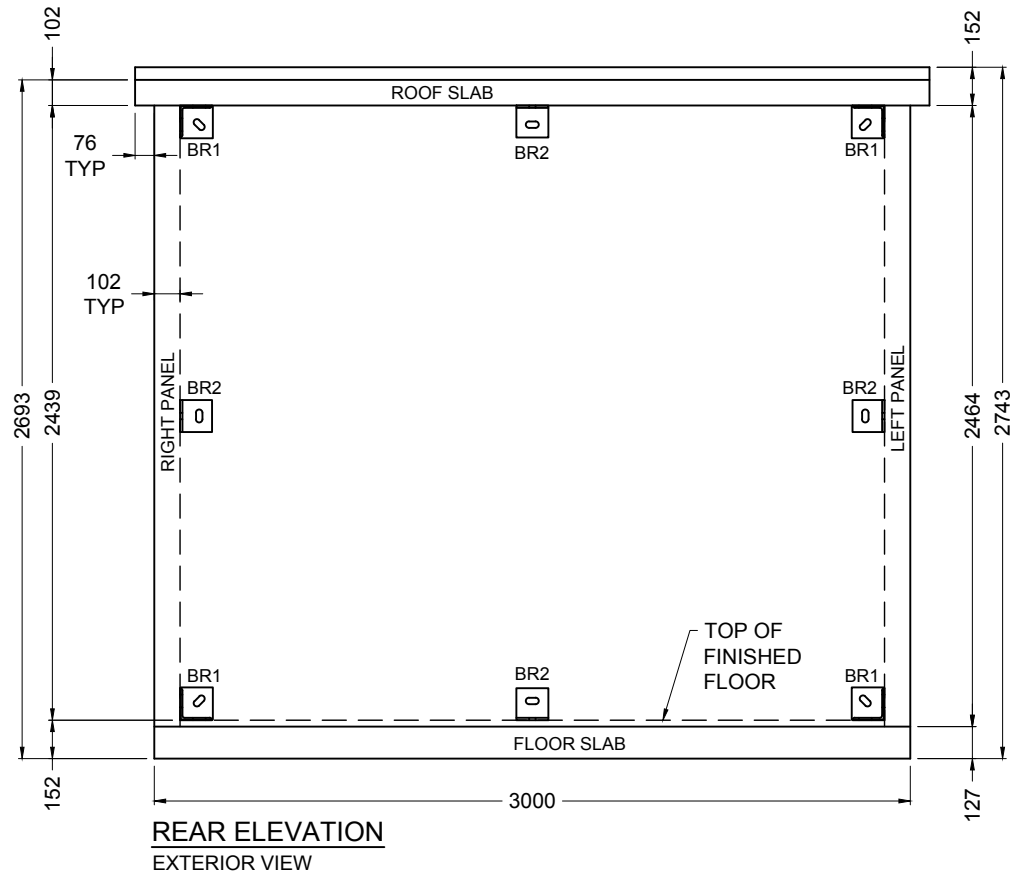
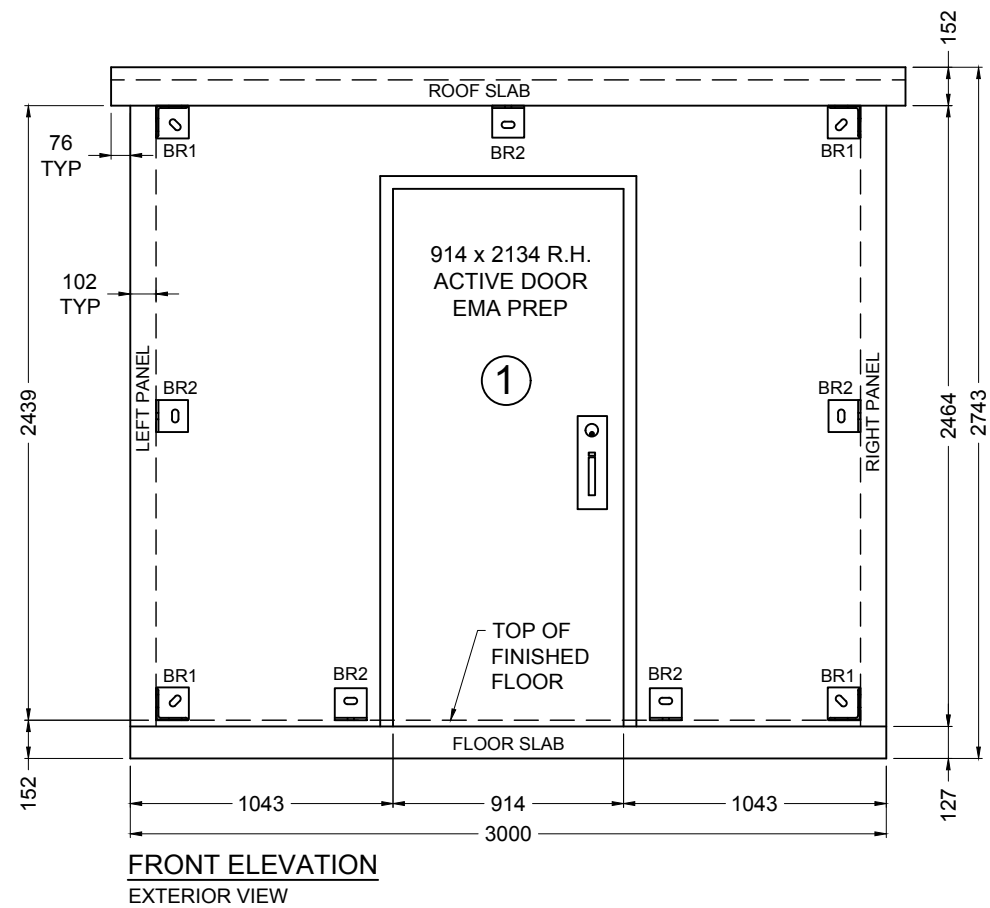
1) PLEASE REVIEW ALL DRAWINGS AND PROVIDE ANY INFORMATION REQUESTED OR MISSING. MARK ALL CHANGES DIRECTLY ON OUR DRAWINGS. PROJECTS WILL NOT BE RELEASED FOR PRODUCTION UNTIL A FULL SET OF DRAWINGS ARE SIGNED, DATED, AND RETURNED TO HY-GRADE MARKED APPROVED. PLEASE RETURN VIA EMAIL OR FAX.

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	JAN 31 2018


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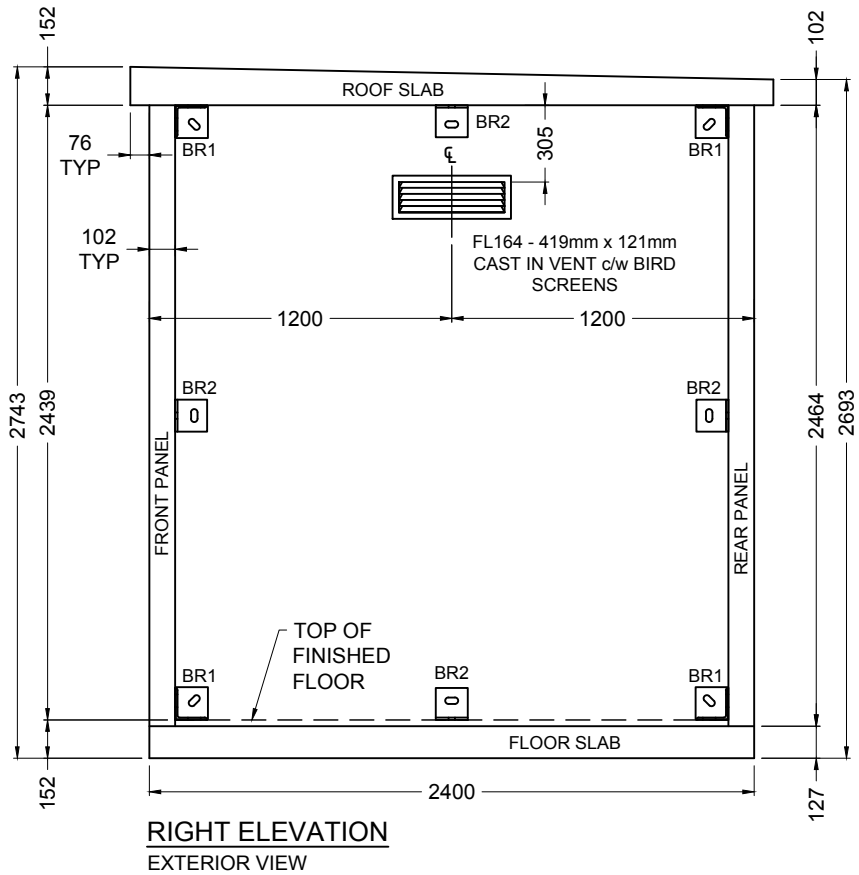
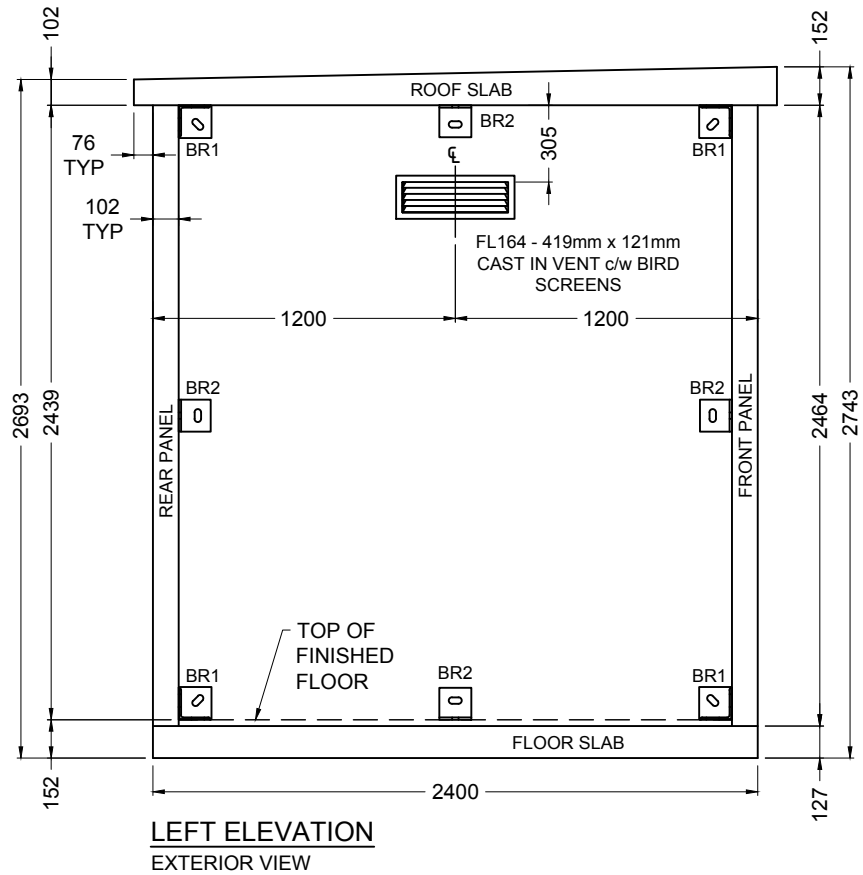


REV.	DESCRIPTION	ENG.	DATE		
0	ISSUED FOR APPROVAL	SS	JAN 31 2018		
PRODUCTION NOTES					
SPECIAL REQUIREMENTS					
SPECIFICATION					
CONCRETE	CURING	MIX	AIR ENT.	CEMENT TYPE	
	MIN DESIGN STRENGTH	MIN STRIPPING STRENGTH			
REBAR	YIELD	PRIMARY COVER	2ND COVER		
WWF	YIELD	COVER			
STEEL	YIELD				
STRUCTURAL STEEL	YIELD				
CONCRETE VOLUME			SCALE & UNIT	N.T.S. / mm OR UNLESS SPEC.	
WEIGHT	FRONT PANEL: 2 767 LBS + DOOR (145 LBS) = 2 912 LBS REAR PANEL: 3 980 LBS				
TITLE					
FRONT & REAR ELEVATIONS					
PROJECT INFORMATION					
JOB NO.	3024F			CONTRACT NO.	PM
CUSTOMER					
PROJECT					
3000 X 2400 X 2439 ID (FLAT)					
DESIGNER INFORMATION					
BY	ENGINEER STAMPS				
TITLE					
REF ID					
REV	DATE				
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ENGINEER					
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QUALITY CONTROL					
PROJ. CONF.					
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MFG. CONF.					
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VIEWS					
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MASS					
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DIMENSION					
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HARDWARE					
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LIFTING					
<input type="checkbox"/>					
REINF.					
<input type="checkbox"/>					
SHEET					
B-1					
REV					

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HY-GRADE
PRECAST



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PRODUCTION NOTES

SPECIAL REQUIREMENTS

SPECIFICATION				
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	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	LEFT PANEL: 2 897 LBS RIGHT PANEL: 2 897 LBS			

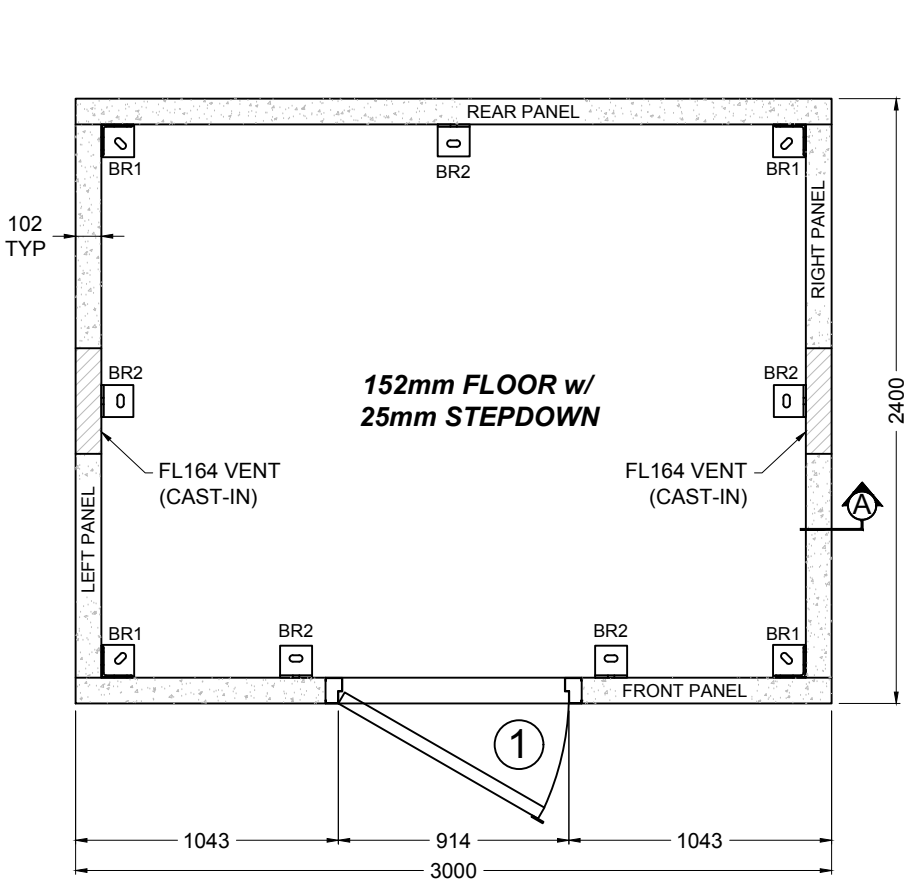
TITLE
LEFT & RIGHT ELEVATIONS

PROJECT INFORMATION		
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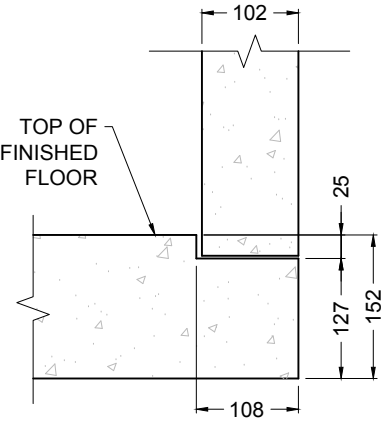
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BY	ENGINEER STAMPS
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REV	DATE
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CHECKED BY	
QUALITY CONTROL	
PROJ. CONF.	
MFG. CONF.	
VIEWS	
MASS	
DIMENSION	
HARDWARE	
LIFTING	
REINF.	
SHEET	B-2
REV	

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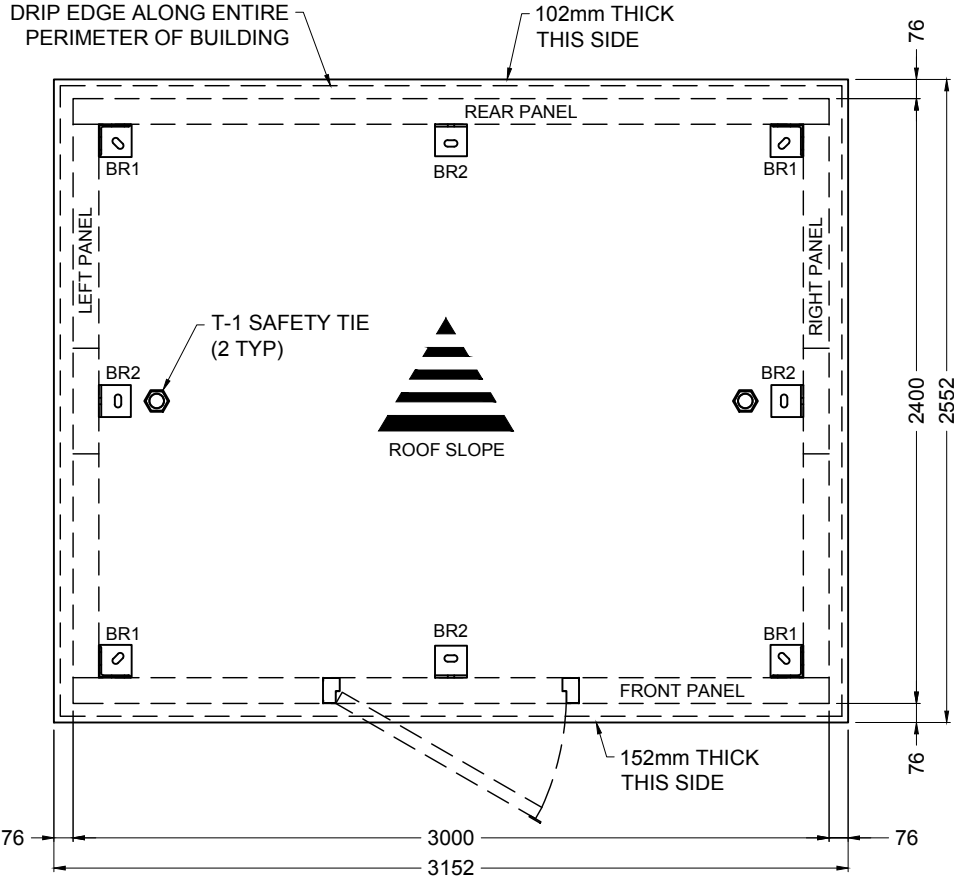




FLOOR PLAN
PLAN VIEW



SECTION A
STEPDOWN DETAIL



ROOF PLAN
PLAN VIEW

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PRODUCTION NOTES

SPECIAL REQUIREMENTS

SPECIFICATION				
CONCRETE	CURING	MIX	AIR ENT.	CEMENT TYPE
REBAR	YIELD	PRIMARY COVER	MIN DESIGN STRIPPING STRENGTH	2ND COVER
WWF	YIELD	COVER		
STEEL	YIELD			
STRUCTURAL STEEL	YIELD			
CONCRETE VOLUME			SCALE & UNIT	N.T.S. / mm OR UNLESS SPEC.
WEIGHT	FLOOR SLAB: 5 813 LBS ROOF SLAB: 5 412 LBS			

TITLE
FLOOR & ROOF PLANS

PROJECT INFORMATION		
JOB NO.	3024F	CONTRACT NO.
CUSTOMER		PM

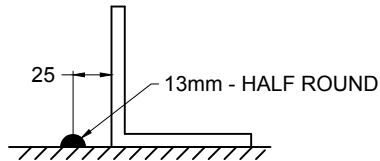
PROJECT	3000 X 2400 X 2439 ID (FLAT)
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BY	ENGINEER STAMPS
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MFG. CONF.	
VIEWS	
MASS	
DIMENSION	
HARDWARE	
LIFTING	
REINF.	
SHEET	B-3
REV	

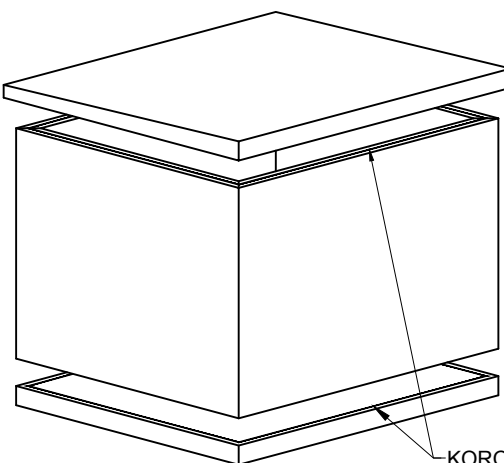
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SLAB TO WALL & WALL TO ROOF SEALING DETAIL

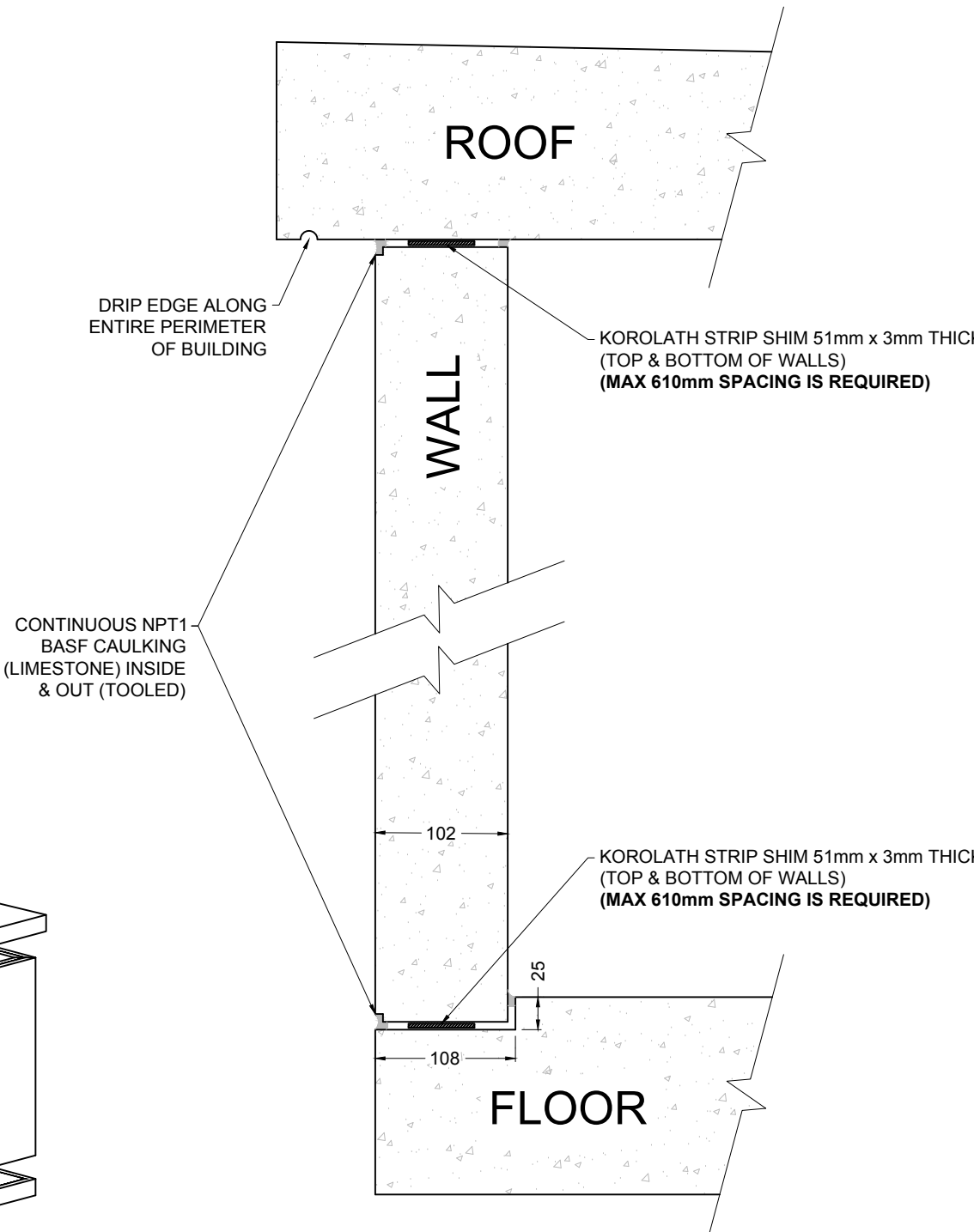
PRODUCTION DETAIL: **DRIP EDGE PLACEMENT**



FLAT ROOFS
- LOCATED ON THE UNDERSIDE OF
THE NARROW EDGE OF THE ROOF



KOROLATH STRIP SHIM @
TOP & BOTTOM OF WALL



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PRODUCTION NOTES

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SPECIFICATION

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	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				

TITL

SEALANT DETAILS

PROJECT INFORMATION

JOB NO.	3024F	CONTRACT NO.	PM
CUSTOMER			

PROJECT	3000 X 2400 X 2439 ID (FLAT)
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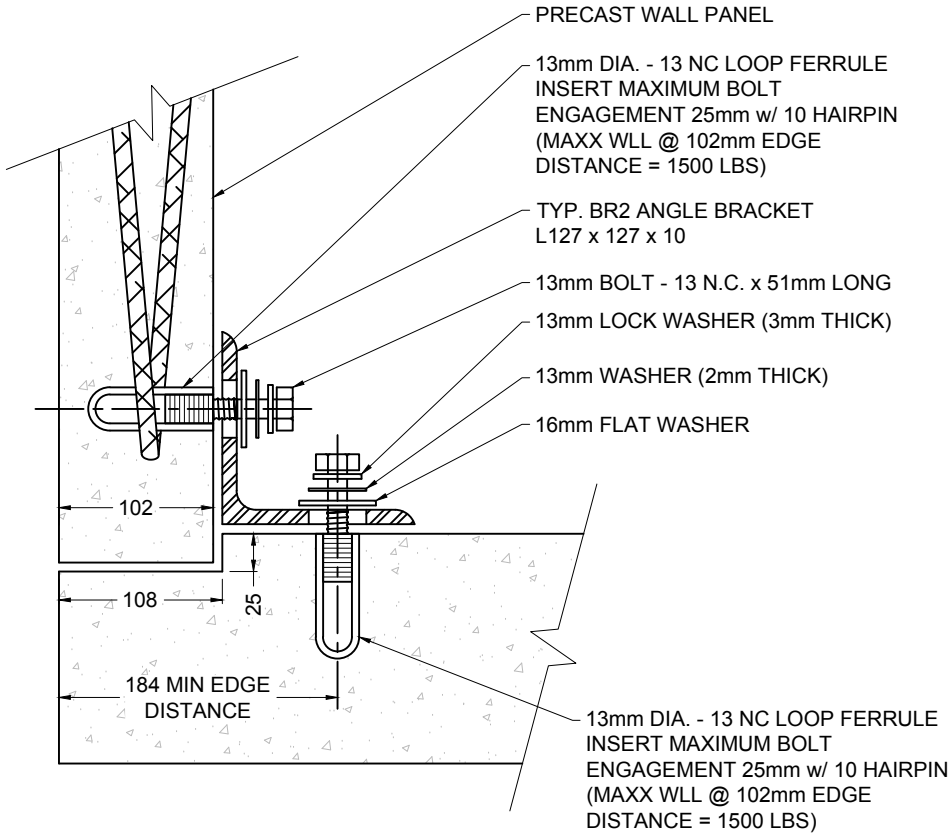
DESIGNER INFORMATION

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CHECKED BY			
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PROJ. CONF.			
MFG. CONF.			
VIEWS			
MASS			
DIMENSION			
HARDWARE			
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REINF.			
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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WWF	YIELD	COVER		
STEEL	YIELD			
STRUCTURAL STEEL	YIELD			
CONCRETE VOLUME		SCALE & UNIT	N.T.S. / mm OR UNLESS SPEC.	
WEIGHT				

TITLE
CONNECTION DETAILS

PROJECT INFORMATION		
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SHEET	A-2
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SUGGESTED MINIMUM SITE PREPARATION NOTES

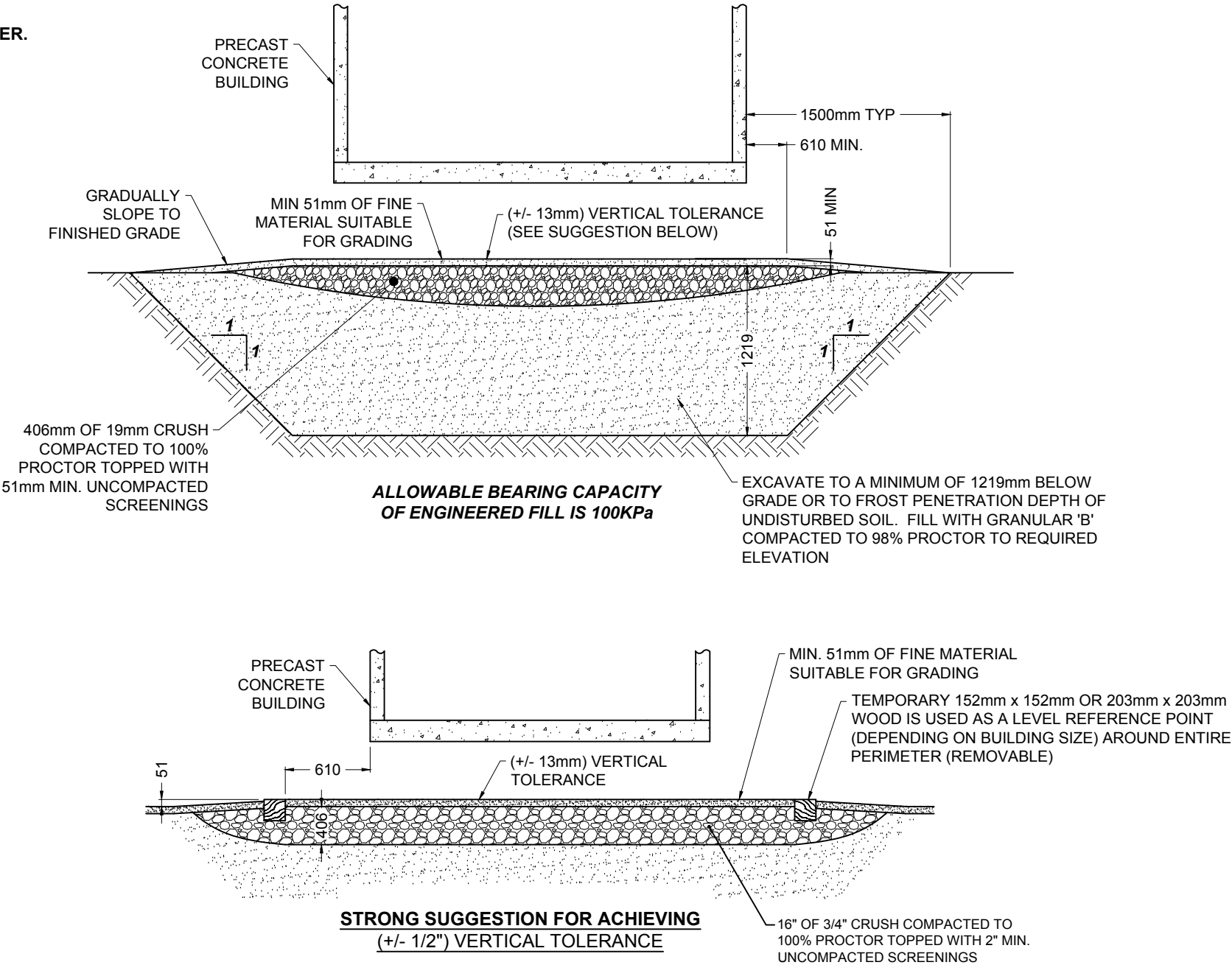
* FINAL PROJECT SITE DESIGN AND SITE PREPARATION IS BY CUSTOMER.
* THIS PAGE IS ONLY A RECOMMENDATION.

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

TITLE
SITE PREPARATION

PROJECT INFORMATION		
JOB NO.	3024F	CONTRACT NO. PM
CUSTOMER		

PROJECT	3000 X 2400 X 2439 ID (FLAT)
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DESIGNER INFORMATION	
BY	ENGINEER STAMPS
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MFG. CONF.	
VIEWS	
MASS	
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LIFTING	
REINF.	
SHEET	S-1
REV	

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DOOR #1

DOOR FRAME DATE REQ'D: _____

QTY.	SIZE	GAUGE	OUT-SIDE SWING
1	914 x 2134	16	RIGHT HAND

** EMA PREP FRAME **

DOORS DATE REQ'D: _____

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

* USE STOCK MATERIAL

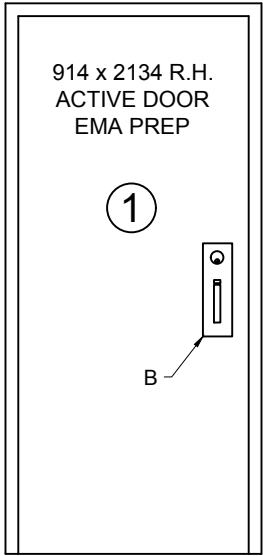
HARDWARE DATE REQ'D: _____

QTY.	DESCRIPTION
1	'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
1	'C' CHECK CHAIN w/ BINDER POSTS & FASTENERS (N157A)
1	'D' THRESHOLD - CT-804 TYP. (KN CROWDER) x 914mm LONG
1	'E' WEATHER STRIP - TYP. (KN CROWDER W-29) x 5182mm LONG
1	'F' SWEEP - TYP. (KN CROWDER W-13S-2) x 914mm LONG - <i>CUT TO LENGTH BY HY-GRADE</i>
1	'G' DRIP CAP TYP. (KN CROWDER W-3) 1016mm LONG

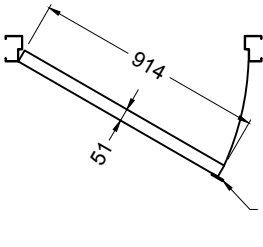
REFER TO PAGE D-2 FOR DETAILS

VENDOR:
REGIONAL DOORS & HARDWARE

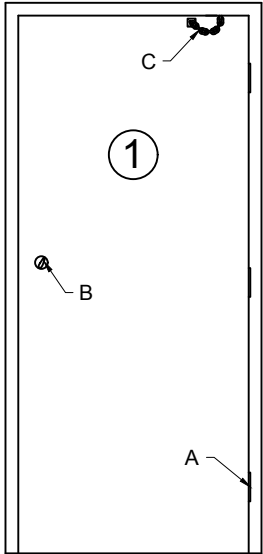
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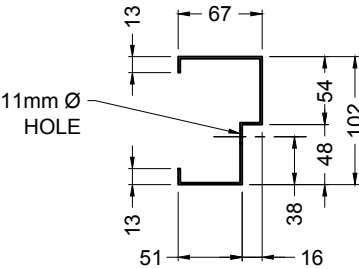
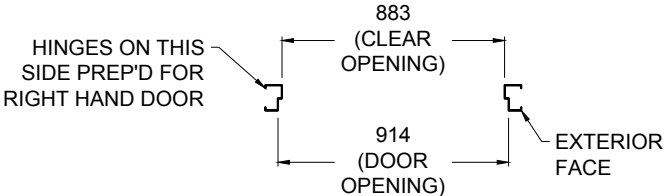
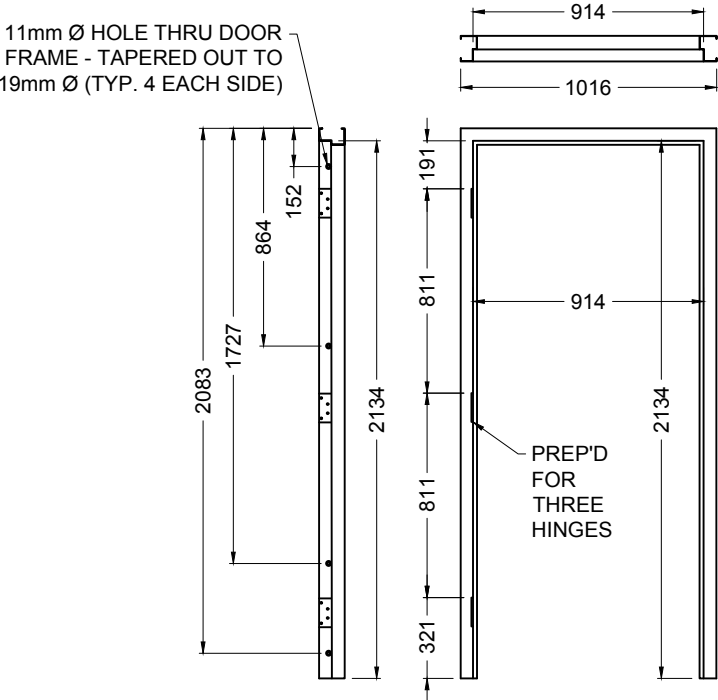
OUTSIDE SWING



WELDED ON FLAT BAR ASTRAGAL



INTERIOR VIEW



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

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	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
DOOR 1 DETAILS

PROJECT INFORMATION		
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DESIGNER INFORMATION	
BY	ENGINEER STAMPS
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ENGINEER	
DRAFTED BY	
KB	
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QUALITY CONTROL	
PROJ. CONF.	
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VIEWS	
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SHEET	
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REV	

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A

HINGES - TAYMOR 4100 SERIES

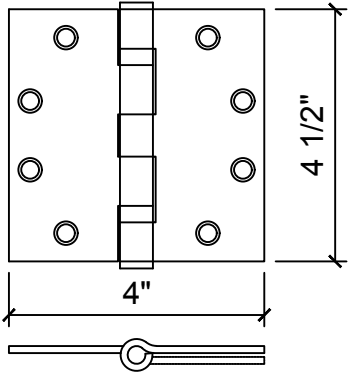
COMMERCIAL 4½" x 4" TEMPLATE BUTT HINGES

MODEL: 25-4173DC

NON-REMOVABLE PIN; BALL BEARING

FINISH: GREY PRIMED

MEETS BHMA/ANSI - A156.1 GRADE 2



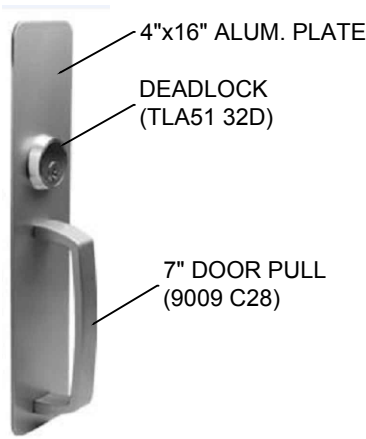
B

LOCKSET ASSEMBLY

4"x16" ALUM. PLATE

DEADLOCK (TLA51 32D)

7" DOOR PULL (9009 C28)



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.



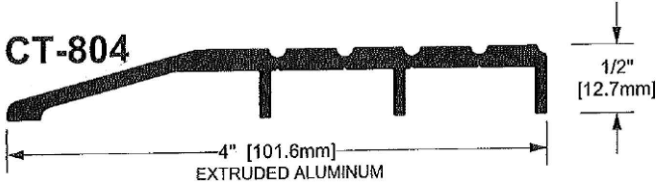
DOREX TLA SERIES

D

THRESHOLD

CT-804

EXTRUDED ALUMINUM



E

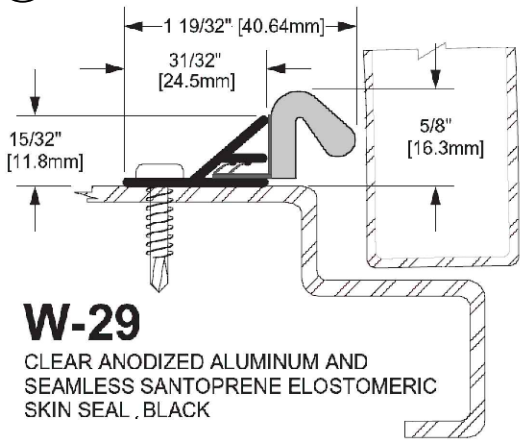
WEATHERSTRIPPING

1 19/32" [40.64mm]

31/32" [24.5mm]

15/32" [11.8mm]

5/8" [16.3mm]



W-29

CLEAR ANODIZED ALUMINUM AND

SEAMLESS SANTOPRENE ELASTOMERIC

SKIN SEAL , BLACK

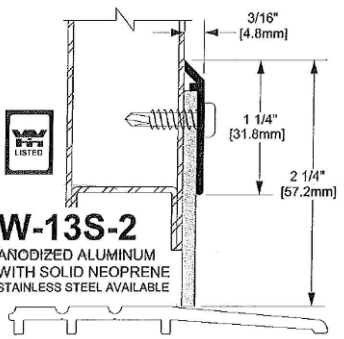
F

SWEEP

3/16" [4.8mm]

1 1/4" [31.8mm]

2 1/4" [57.2mm]



W-13S-2

ANODIZED ALUMINUM

WITH SOLID NEOPRENE

STAINLESS STEEL AVAILABLE

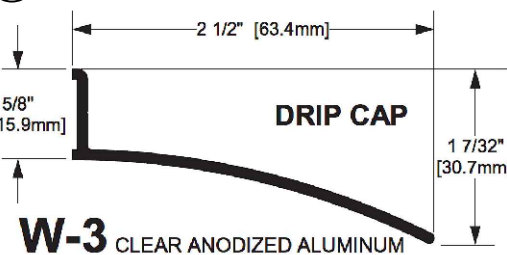
G

DRIP CAP

2 1/2" [63.4mm]

5/8" [15.9mm]

1 7/32" [30.7mm]



W-3

CLEAR ANODIZED ALUMINUM

REV.	DESCRIPTION	ENG.	DATE
0	ISSUED FOR APPROVAL	SS	JAN 31 2018

PRODUCTION NOTES

SPECIAL REQUIREMENTS

SPECIFICATION				
CONCRETE	CURING	MIX	AIR ENT.	CEMENT TYPE
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

DOOR HARDWARE

PROJECT INFORMATION		
JOB NO.	3024F	CONTRACT NO. PM
CUSTOMER		
PROJECT	3000 X 2400 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.	<input type="checkbox"/>
MFG. CONF.	<input type="checkbox"/>
VIEWS	<input type="checkbox"/>
MASS	<input type="checkbox"/>
DIMENSION	<input type="checkbox"/>
HARDWARE	<input type="checkbox"/>
LIFTING	<input type="checkbox"/>
REINF.	<input type="checkbox"/>
SHEET	D-2
REV	

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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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				
TITLE				
FINISHES				
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JOB NO.	3024F		CONTRACT NO.	PM
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PROJECT				
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MFG. CONF.				
VIEWS				
MASS				
DIMENSION				
HARDWARE				
LIFTING				
REINF.				
SHEET				
F-1				
REV				
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