

PROJECT:

3630P - 3600 x 3000 x 2439 (4-12 PITCH)

LOCATION:

CUSTOMER

JOB #

3630P

GENERAL INFORMATION

CONCRETE PANEL THICKNESS:

WALLS: 102mm

ROOF: 127mm

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: PLEASE SPECIFY (REFER TO SHEET F-1)

FLOOR EDGE: SHERWIN WILLIAMS H&C STAIN SPECIAL GREY

[COLOUR SHOWN IN IMAGE MAY NOT BE EXACT]

ASSEMBLY

IN HOUSE

APPROXIMATE BUILDING WEIGHT: 35 200 LBS (15.96 TONNE)

DRAWING INDEX

CVR - COVER PAGE

B - BUILDING DRAWINGS

P - PRODUCTION DRAWINGS

A - ASSEMBLY DETAILS

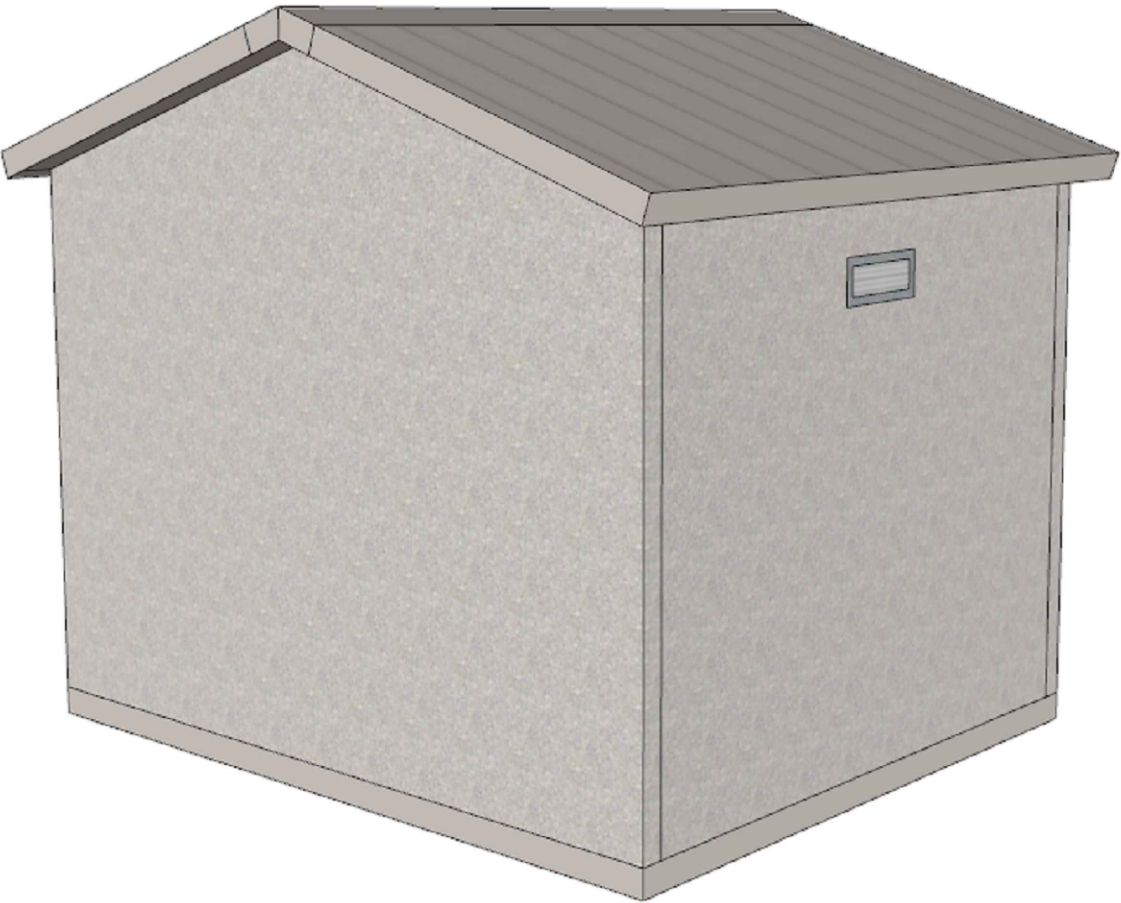
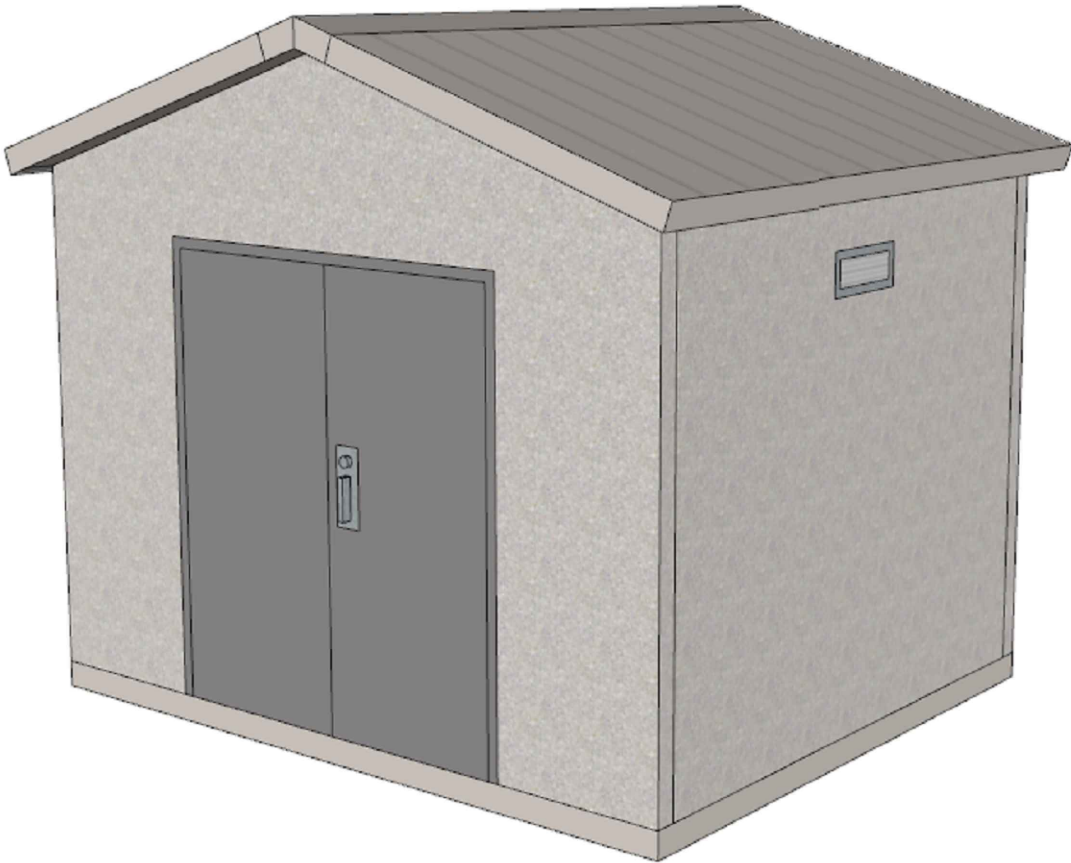
S - SITE PREPARATION

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

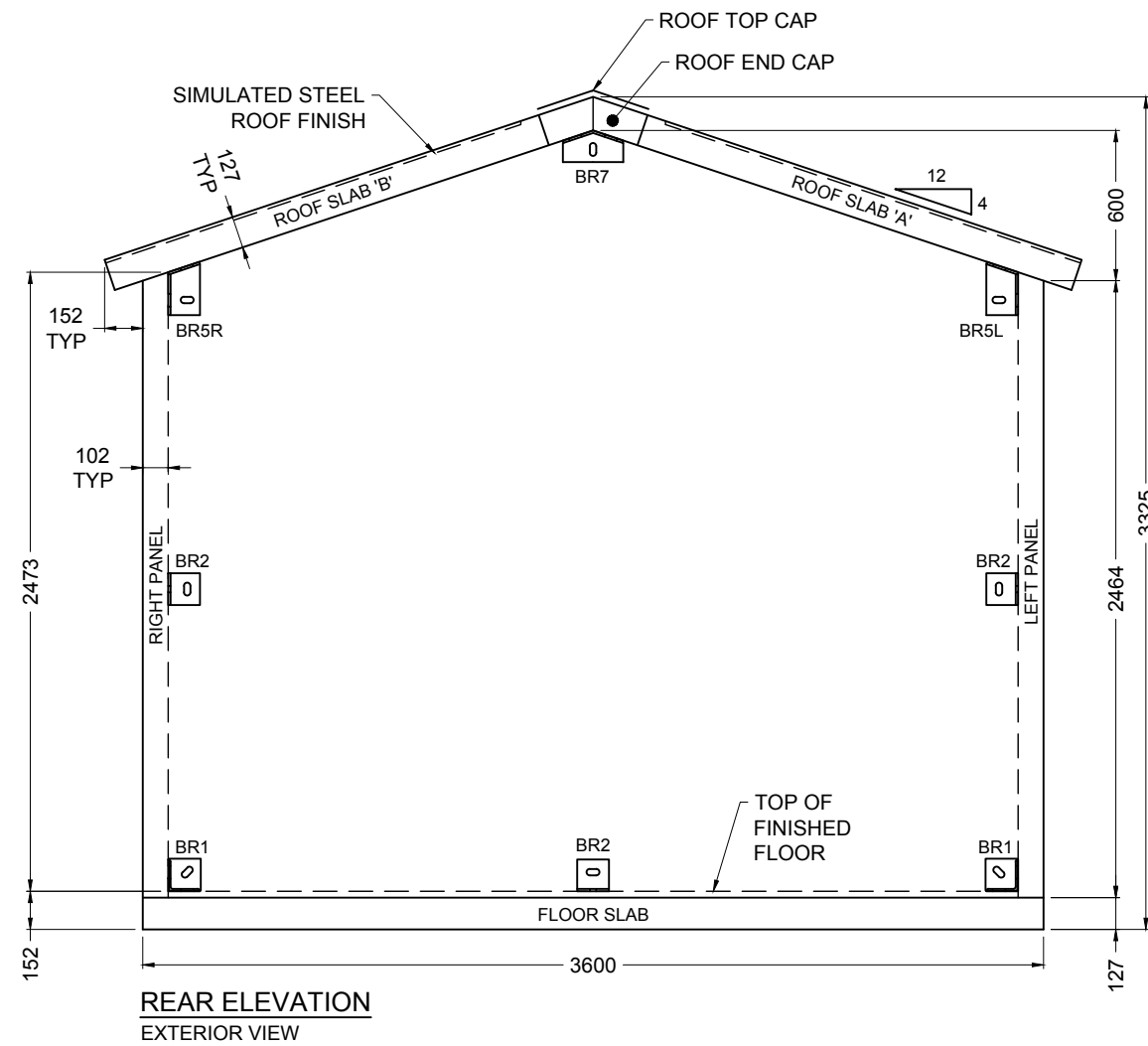
SIGNED BY:	DATE:
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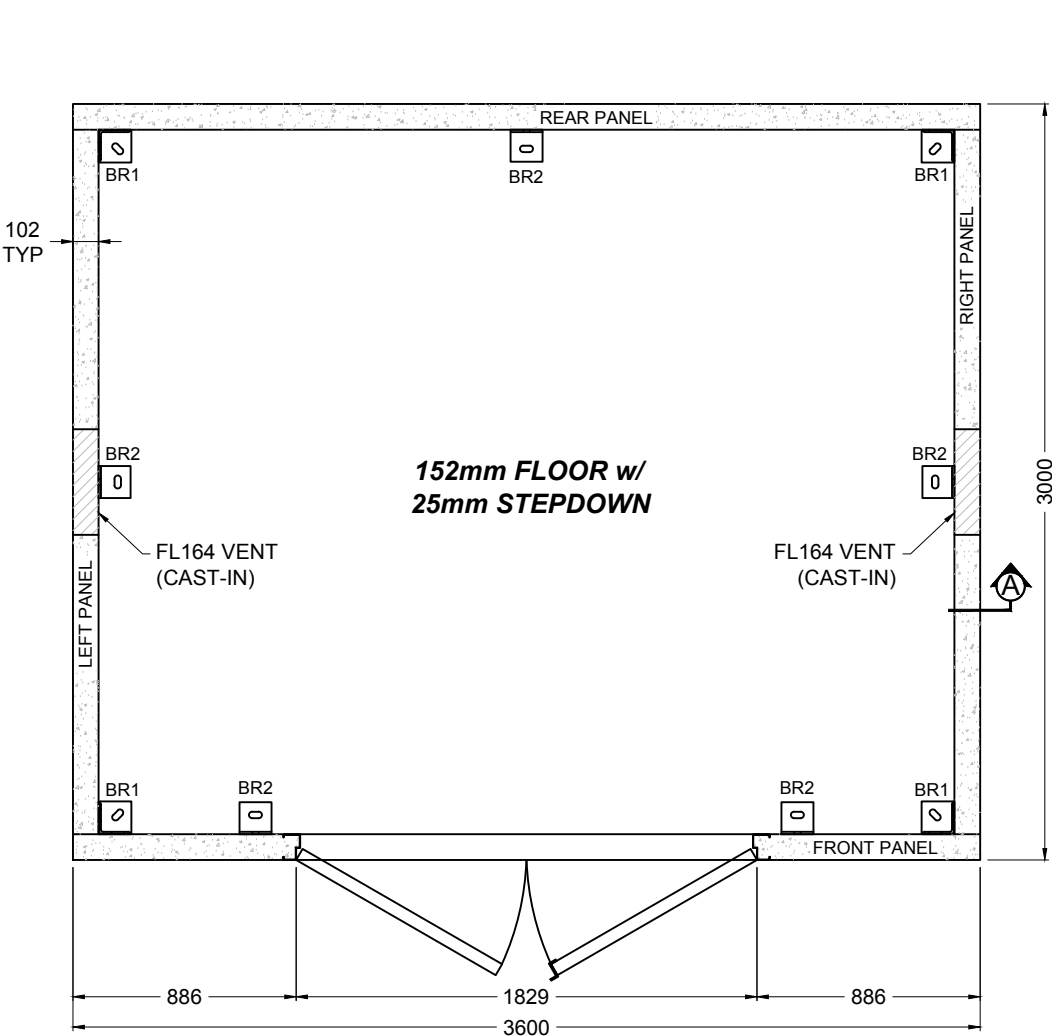
- NOTES:
- 1) PLEASE REVIEW ALL DRAWINGS AND PROVIDE ANY INFORMATION REQUESTED OR MISSING. MARK ALL CHANGES DIRECTLY ON OUR DRAWINGS. PROJECTS WILL NOT BE RELEASED FOR PRODUCTION UNTIL A FULL SET OF DRAWINGS ARE SIGNED, DATED, AND RETURNED TO HY-GRADE MARKED APPROVED. PLEASE RETURN VIA EMAIL OR FAX.
- 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 16 2018

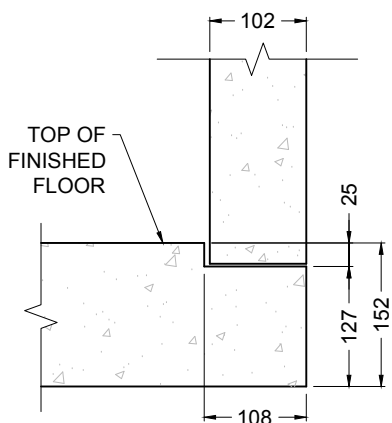
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Fax: 905-684-8560
www.hygradeprecast.com



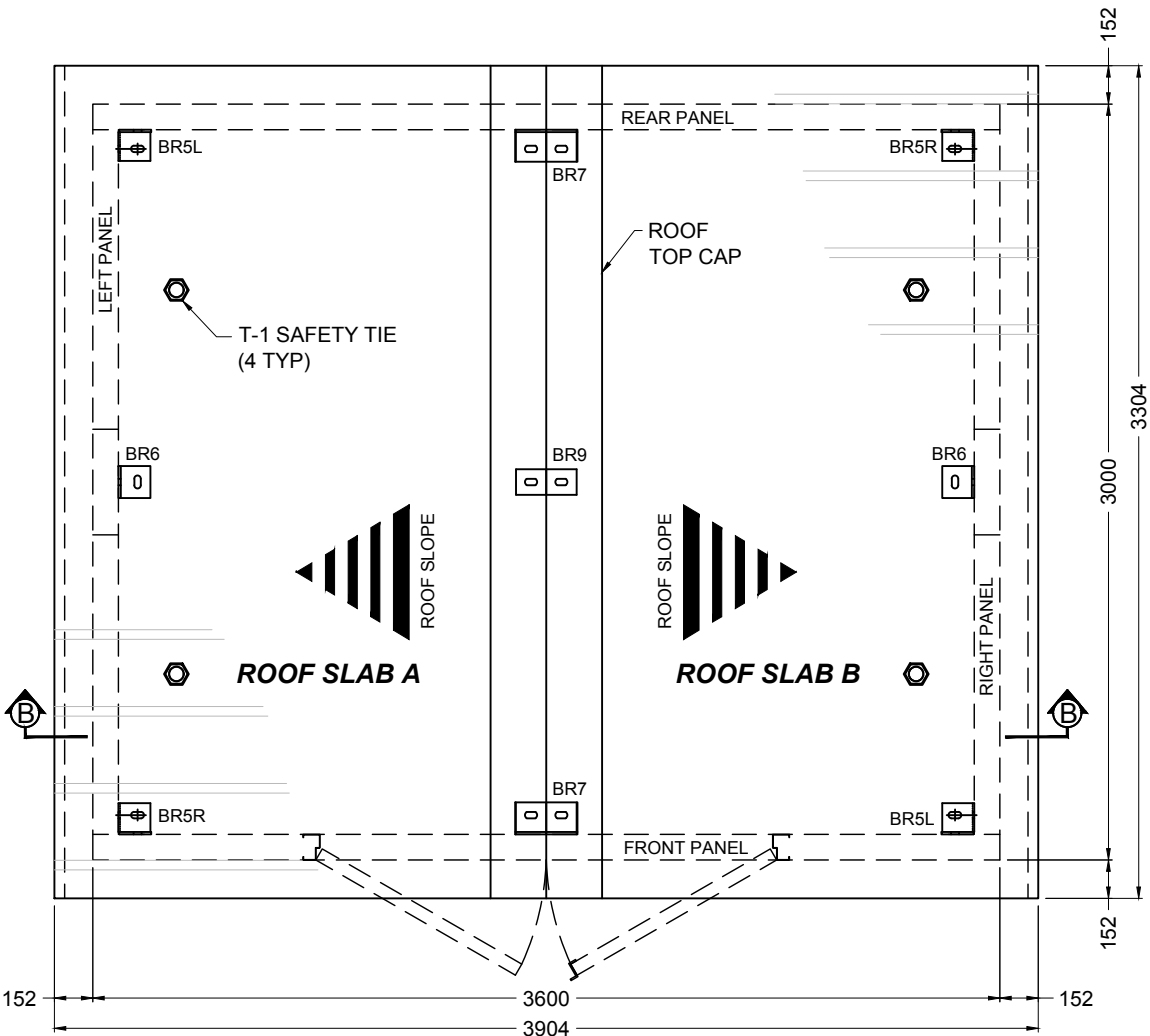
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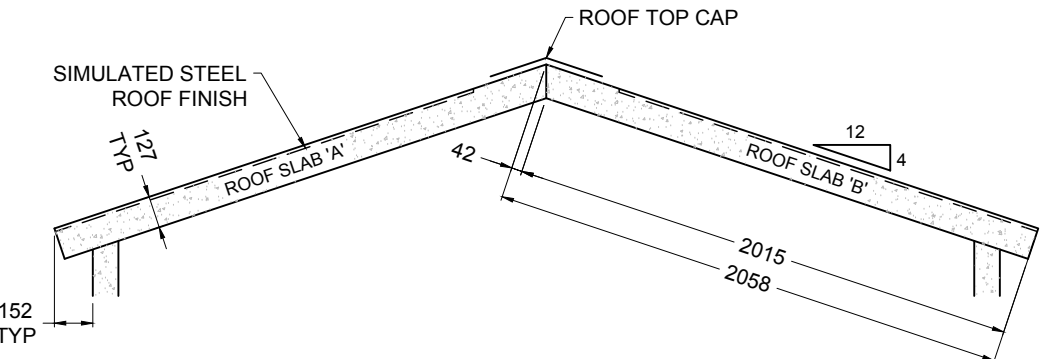
FLOOR PLAN
PLAN VIEW



SECTION A
STEPDOWN DETAIL



ROOF PLAN
PLAN VIEW



SECTION B-B
ROOF SECTION

REV.	DESCRIPTION	ENG.	DATE
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PRODUCTION NOTES

SPECIAL REQUIREMENTS

SPECIFICATION				
CONCRETE	CURING	MIX	AIR ENT.	CEMENT TYPE
REBAR	YIELD	MIN DESIGN STRENGTH	MIN STRIPPING STRENGTH	2ND COVER
WWF	YIELD	PRIMARY COVER	COVER	
STEEL	YIELD			
STRUCTURAL STEEL	YIELD			
CONCRETE VOLUME			SCALE & UNIT	N.T.S. / mm OR UNLESS SPEC.
WEIGHT	FLOOR SLAB: 8 720 LBS ROOF SLAB 'A': 4 575 LBS ROOF SLAB 'B': 4 575 LBS			

TITLE

FLOOR & ROOF PLANS

PROJECT INFORMATION

JOB NO. 3630P CONTRACT NO. PM

CUSTOMER

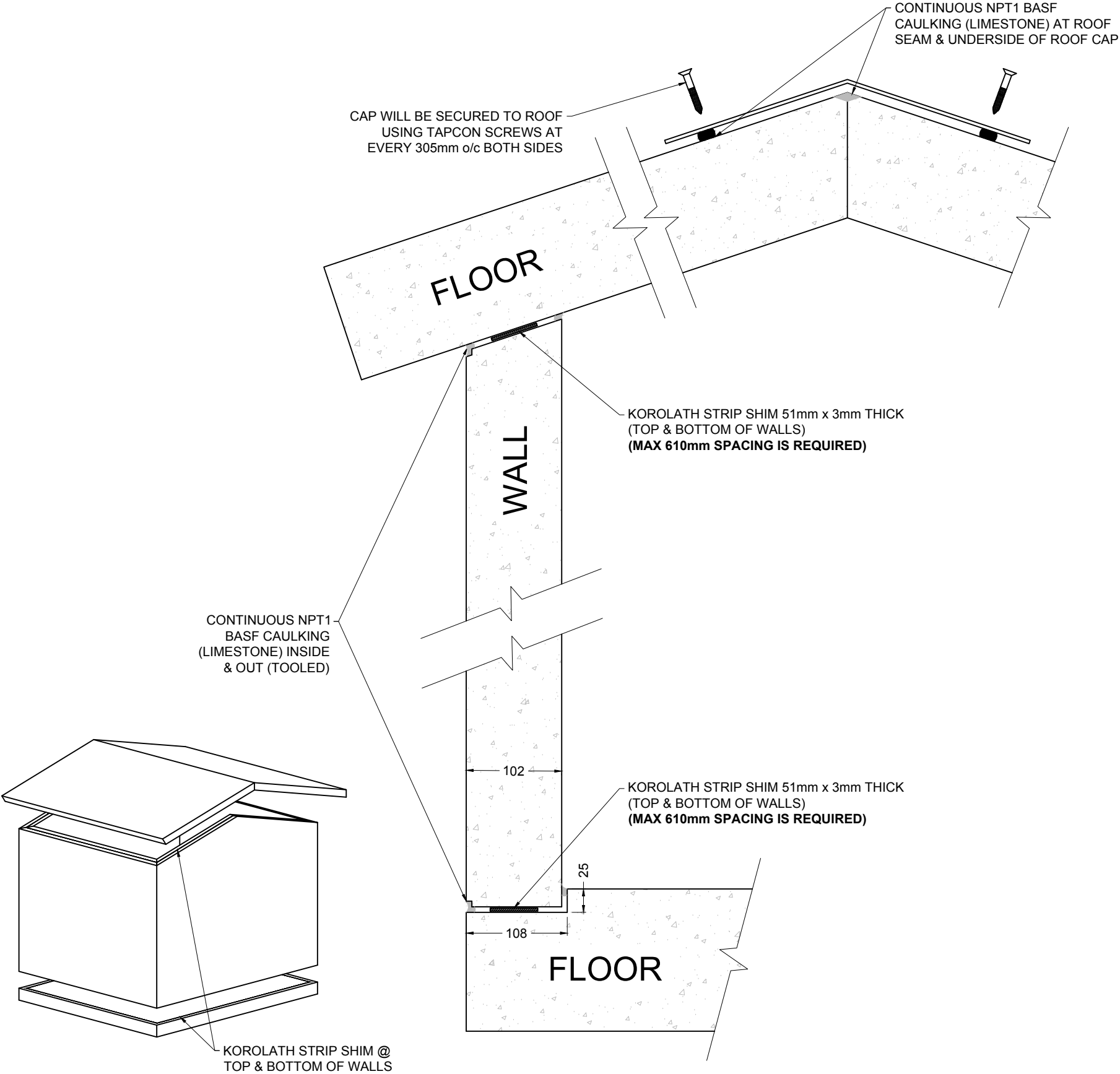
PROJECT 3600 X 3000 X 2439 ID (4-12 PITCH)

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-3
REV	

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SLAB TO WALL & WALL TO ROOF SEALING DETAIL



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PRODUCTION NOTES

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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
SEALANT DETAILS

PROJECT INFORMATION		
JOB NO.	3630P	CONTRACT NO. PM
CUSTOMER		
PROJECT 3600 X 3000 X 2439 ID (4-12 PITCH)		

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DRAFTED BY KB	
CHECKED BY	
QUALITY CONTROL	
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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	
A-1	
REV	

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PRECAST WALL PANEL

13mm DIA. - 13 NC LOOP FERRULE INSERT MAXIMUM BOLT ENGAGEMENT 25mm w/ 10 HAIRPIN (MAXX WLL @ 102mm EDGE DISTANCE = 1500 LBS)

TYP. BR2 ANGLE BRACKET L127 x 127 x 10

13mm BOLT - 13 N.C. x 51mm LONG

13mm LOCK WASHER (3mm THICK)

13mm WASHER (2mm THICK)

16mm FLAT WASHER

102

108

25

184 MIN EDGE DISTANCE

13mm DIA. - 13 NC LOOP FERRULE INSERT MAXIMUM BOLT ENGAGEMENT 25mm w/ 10 HAIRPIN (MAXX WLL @ 102mm EDGE DISTANCE = 1500 LBS)

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.

PRODUCTION NOTES	

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			

PROJECT INFORMATION		
JOB NO.	CONTRACT NO.	PM
3630P		
CUSTOMER		
PROJECT		
3600 X 3000 X 2439 ID (4-12 PITCH)		

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SUGGESTED MINIMUM SITE PREPARATION NOTES

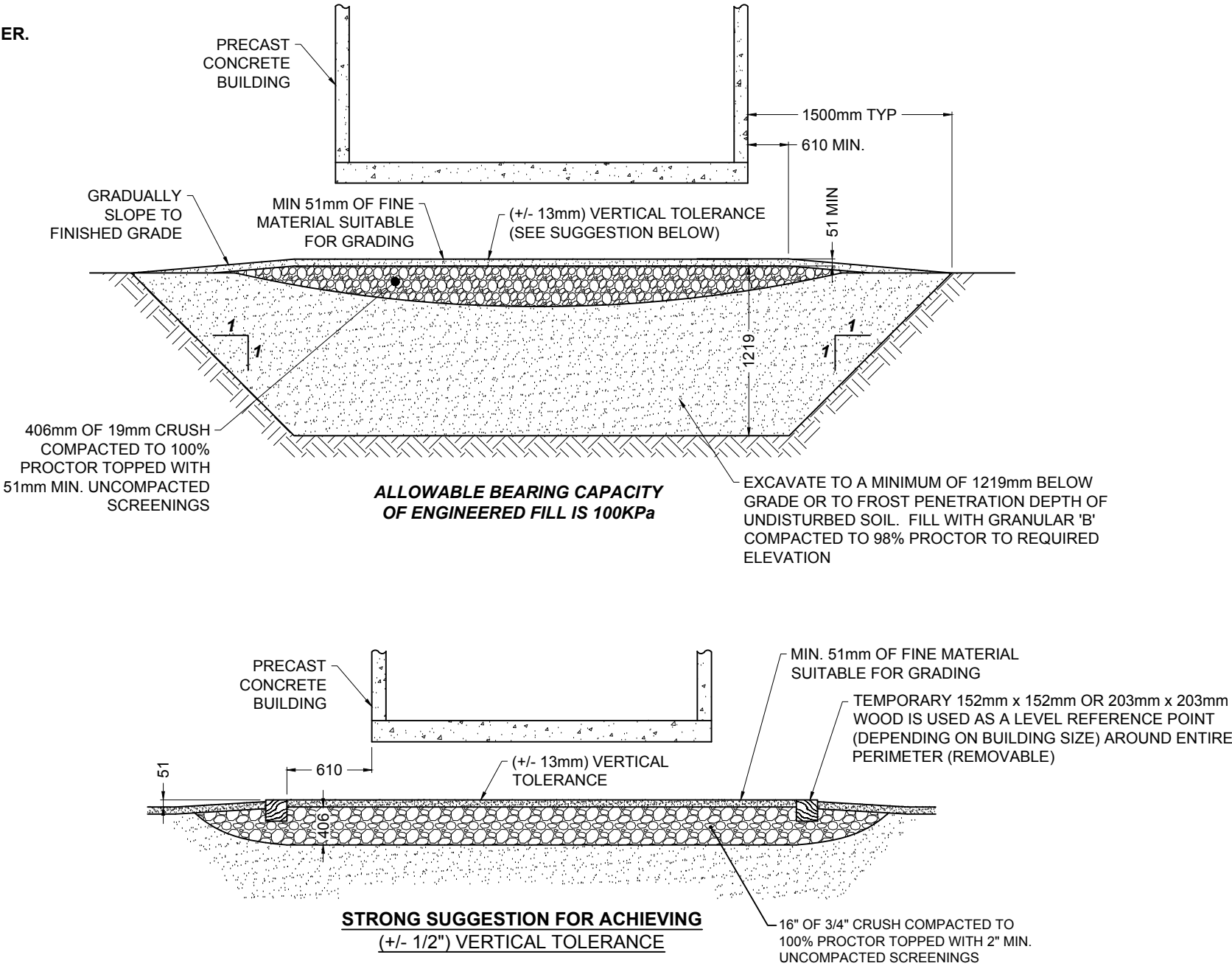
* FINAL PROJECT SITE DESIGN AND SITE PREPARATION IS BY CUSTOMER.
* THIS PAGE IS ONLY A RECOMMENDATION.

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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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
SITE PREPARATION

PROJECT INFORMATION		
JOB NO.	3630P	CONTRACT NO. PM
CUSTOMER		

PROJECT	3600 X 3000 X 2439 ID (4-12 PITCH)
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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	S-1
REV	

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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 ****

VENDOR:
REGIONAL DOORS & HARDWARE

P.O. #:

DOORS DATE REQ'D: _____

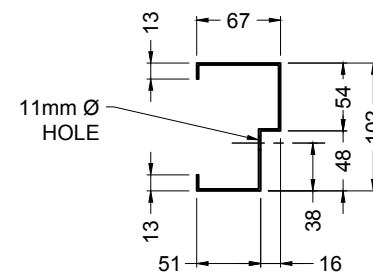
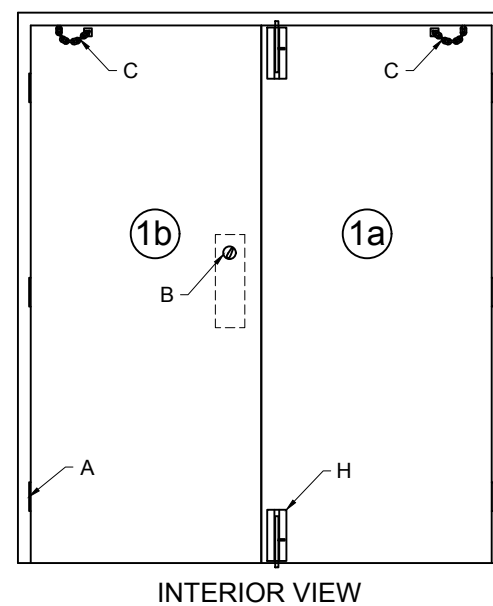
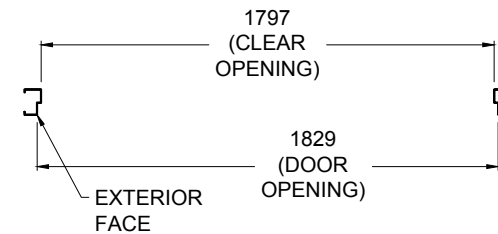
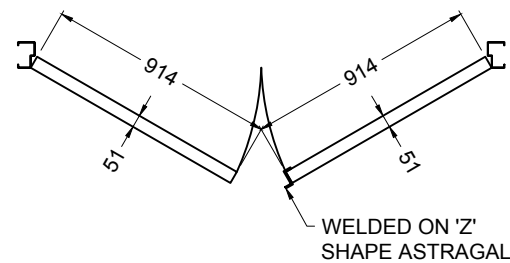
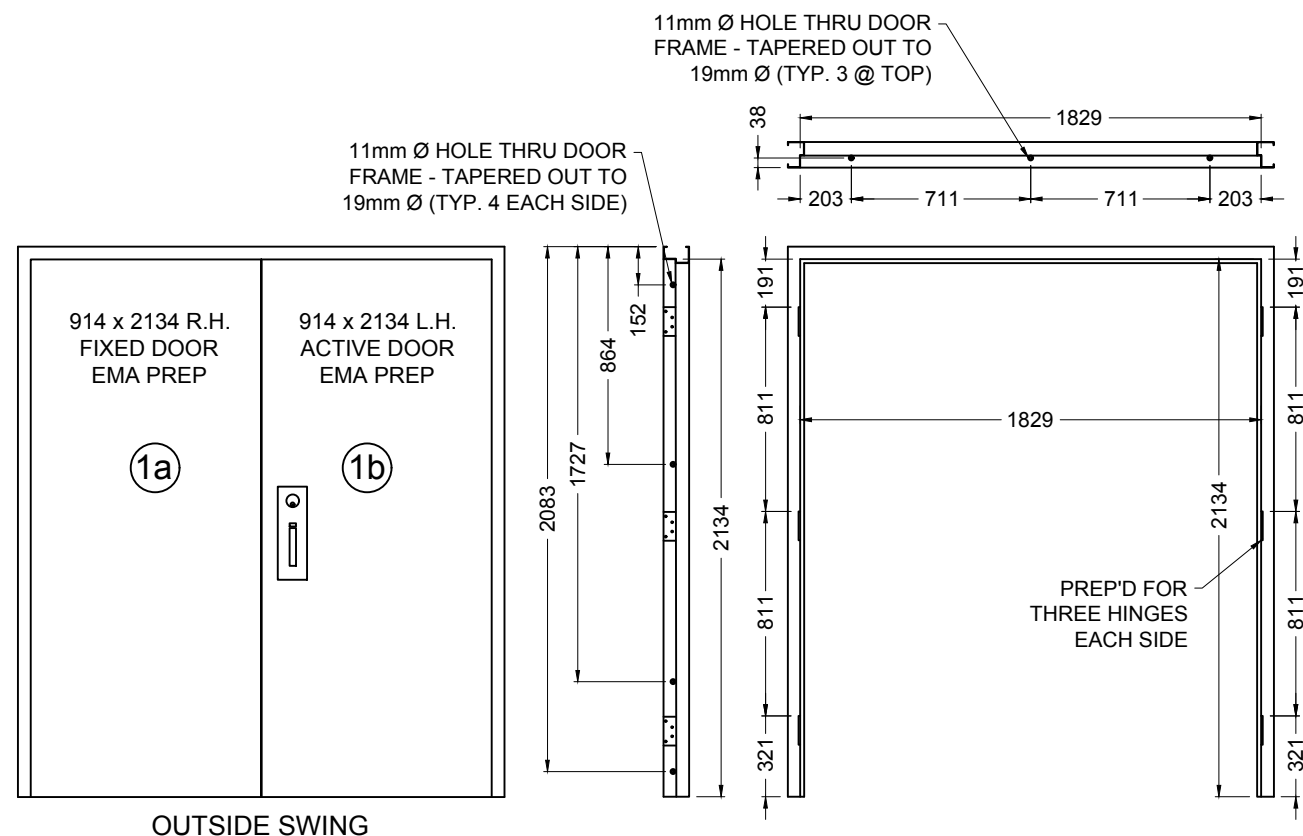
MARK	QTY.	SIZE	GAUGE	OUT-SIDE SWING	INTERIOR	ASTRAGAL	HINGE-PREP	OPENING PREP
1a	1	914 x 2134	18	RIGHT HAND	HONEYCOMB	NONE	TYP 3/DOOR	NONE
1b	1	914 x 2134	18	LEFT HAND	HONEYCOMB	Z SHAPE	TYP 3/DOOR	NONE

* 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



STEEL FRAME IS NOT CAST
INTO CONCRETE PANEL

[illegible]

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

DOOR 1 DETAILS

PROJECT INFORMATION

JOB NO.	3630P	CONTRACT NO.		PM
CUSTOMER				

PROJECT	3600 X 3000 X 2439 ID (4-12 PITCH)
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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-1		
REV		

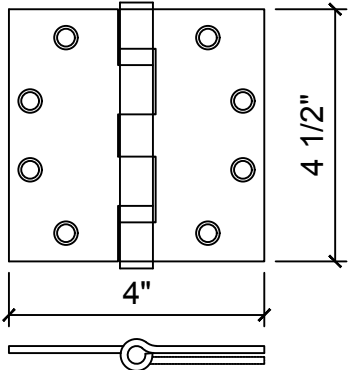
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A **HINGES - TAYMOR 4100 SERIES**

COMMERCIAL 4 1/2" x 4" TEMPLATE BUTT HINGES
MODEL: 25-4173DC
NON-REMOVABLE PIN; BALL BEARING
FINISH: GREY PRIMED


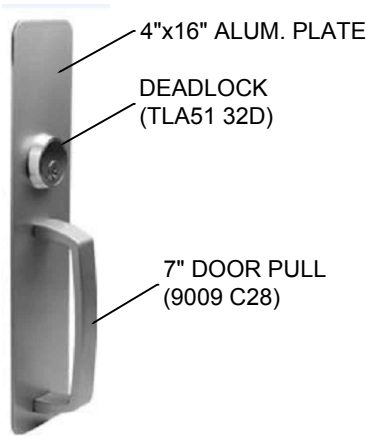
MEETS BHMA/ANSI - A156.1 GRADE 2



B **LOCKSET ASSEMBLY**

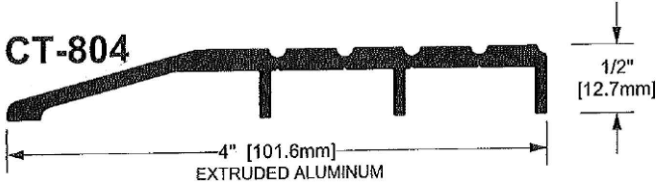
DEADLOCK - DOREX TLA SERIES
MODEL TLA 51 - SINGLE CYLINDER DEADLOCK
WITH INTERIOR THUMBTURN
FINISH: C32D (STAINLESS STEEL)

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



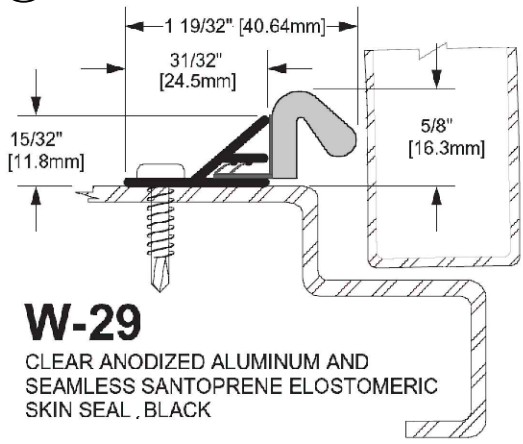
D **THRESHOLD**

CT-804



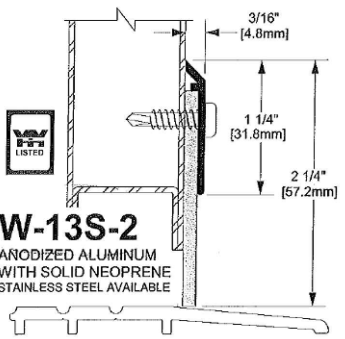
EXTRUDED ALUMINUM

E **WEATHERSTRIPPING**



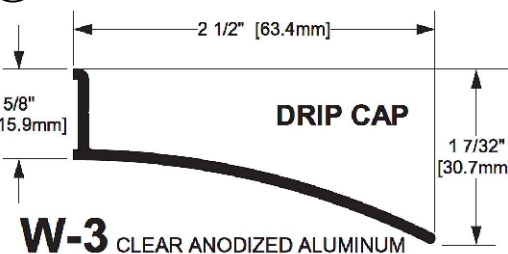
W-29
CLEAR ANODIZED ALUMINUM AND
SEAMLESS SANTOPRENE ELOSTOMERIC
SKIN SEAL , BLACK

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

REV.	DESCRIPTION	ENG.	DATE
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PRODUCTION NOTES

SPECIAL REQUIREMENTS

SPECIFICATION				
CONCRETE	CURING	MIX	AIR ENT.	CEMENT TYPE
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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 HARDWARE

PROJECT INFORMATION		
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MFG. CONF.	
VIEWS	
MASS	
DIMENSION	
HARDWARE	
LIFTING	
REINF.	
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



DOOR & FRAMES: PLEASE SPECIFY

EXTERIOR WALLS: ONLY AVAILABLE WITH SMOOTH
BRICK TEXTURE

INTERIOR WALLS: NOT PAINTED

FLOOR: NOT PAINTED

ROOF: PLEASE SPECIFY

FLOOR EDGE: SW H&C STAIN - SPECIAL GREY

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