PROJECT:

3648P - 3600 x 4800 x 2439 (4-12 PITCH)

LOCATION:

CUSTOMER

JOB#

3648P

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

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

PLEASE SPECIFY (REFER TO SHEET F-1) ROOF: SHERWIN WILLIAMS H&C STAIN SPECIAL GREY FLOOR EDGE:

[COLOUR SHOWN IN IMAGE MAY NOT BE EXACT]

ASSEMBLY

IN HOUSE

APPROXIMATE BUILDING WEIGHT: 50 600 LBS (22.95 TONNE)

DRAWING INDEX

CVR - COVER PAGE

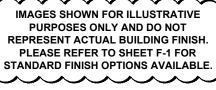
B - BUILDING DRAWINGS

P - PRODUCTION DRAWINGS

A - ASSEMBLY DETAILS S - SITE PREPARATION

L - LIFT STUDY

D - DOOR DETAILS F - FINISHES M - MATERIALS

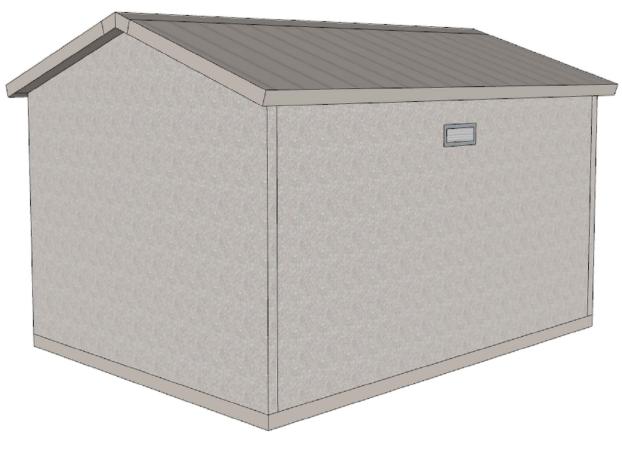


DRAWING APPROVAL CUSTOMER: ☐ APPROVED ☐ APPROVED AS NOTED ☐ REVISE AND RESUBMIT SIGNED BY: DATE:

NOTES:

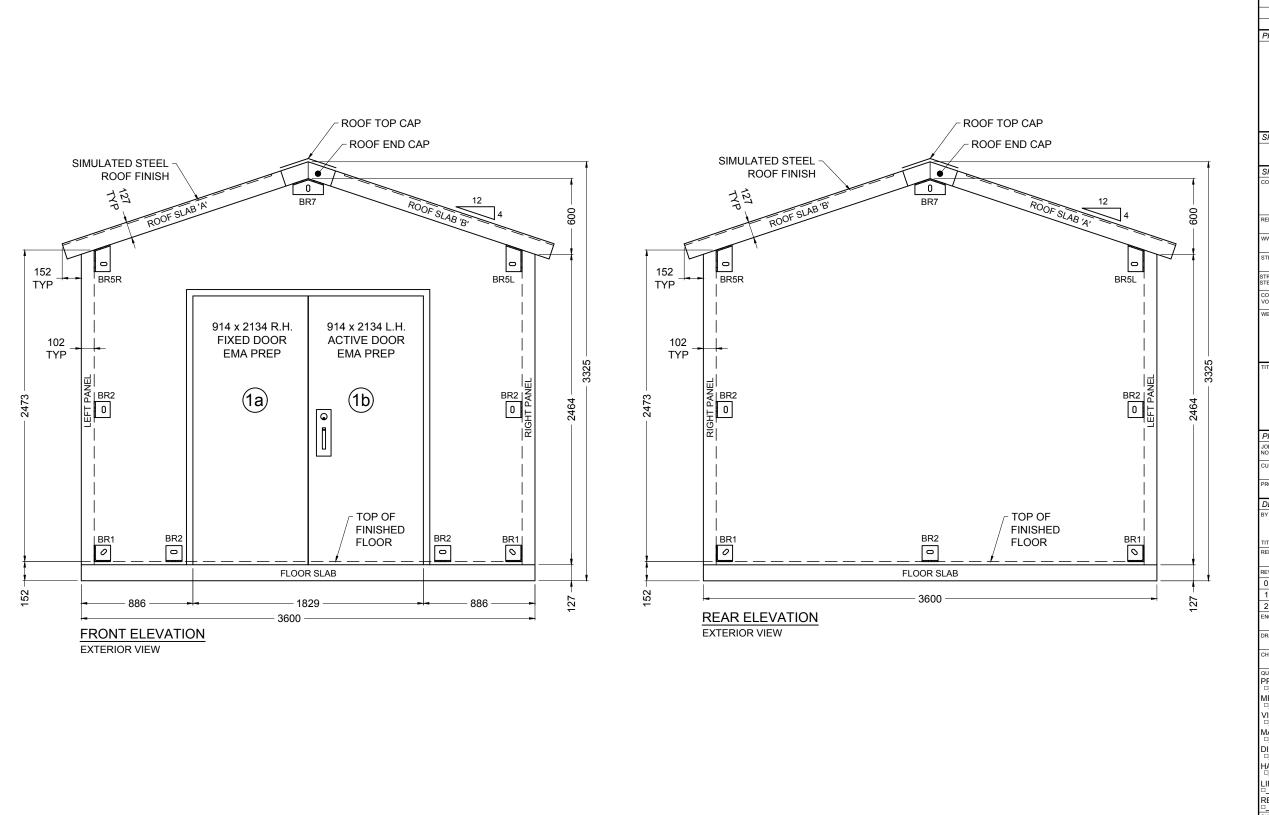
- 1) PLEASE REVIEW ALL DRAWINGS AND PROVIDE ANY INFORMATION REQUESTED OR MISSING. MARK ALL CHANGES DIRECTLY ON OUR DRAWINGS. PROJECTS WILL NOT BE RELEASED FOR PRODUCTION UNTIL A FULL SET OF DRAWINGS ARE SIGNED, DATED, AND RETURNED TO HY-GRADE MARKED APPROVED. PLEASE RETURN VIA EMAIL OR FAX.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY REQUIRED BUILDING PERMITS PRIOR TO THE SHIPMENT DATE OF THE BUILDING.

REV.	DESCRIPTION	ENG.	DATE
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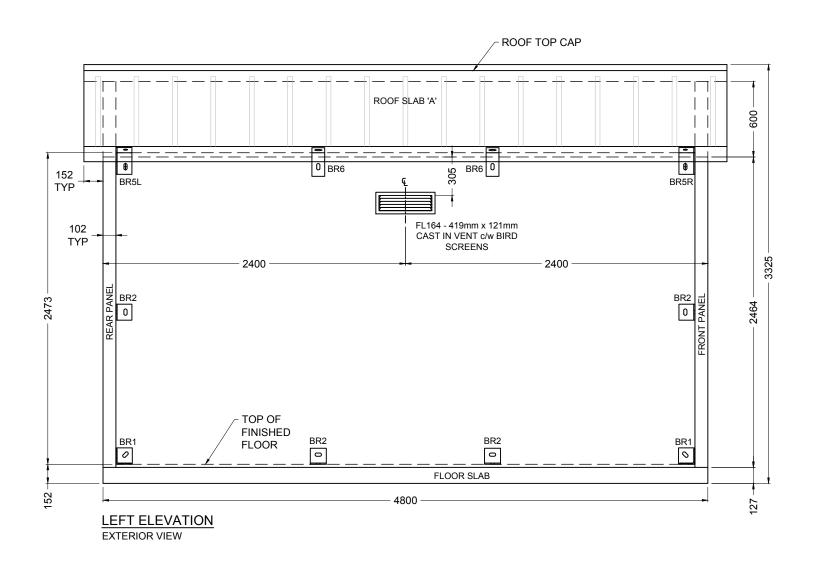


2411 First Street Louth. St.Catharines,ON, L2R 6P7 Tel: 905-684-8568 Fax: 905-684-8560 www.hygradeprecast.com

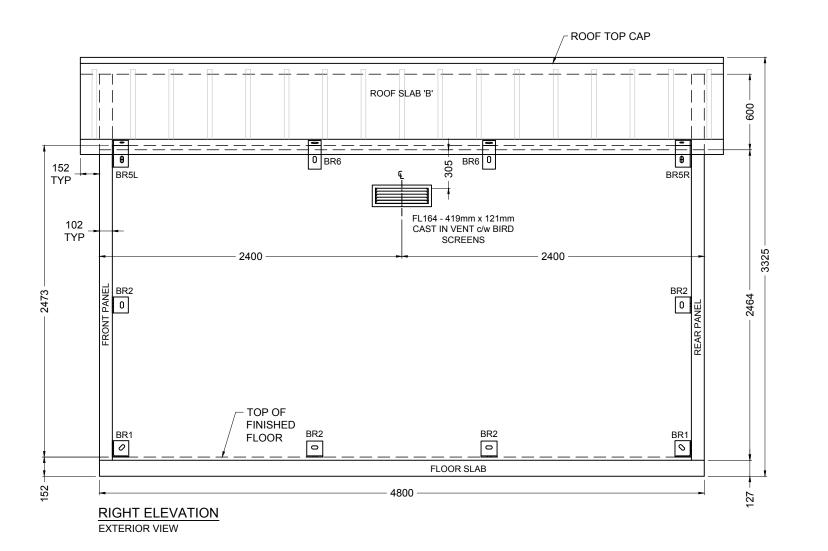


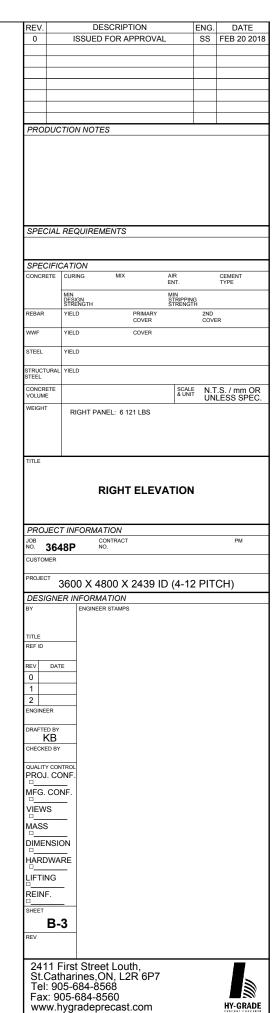


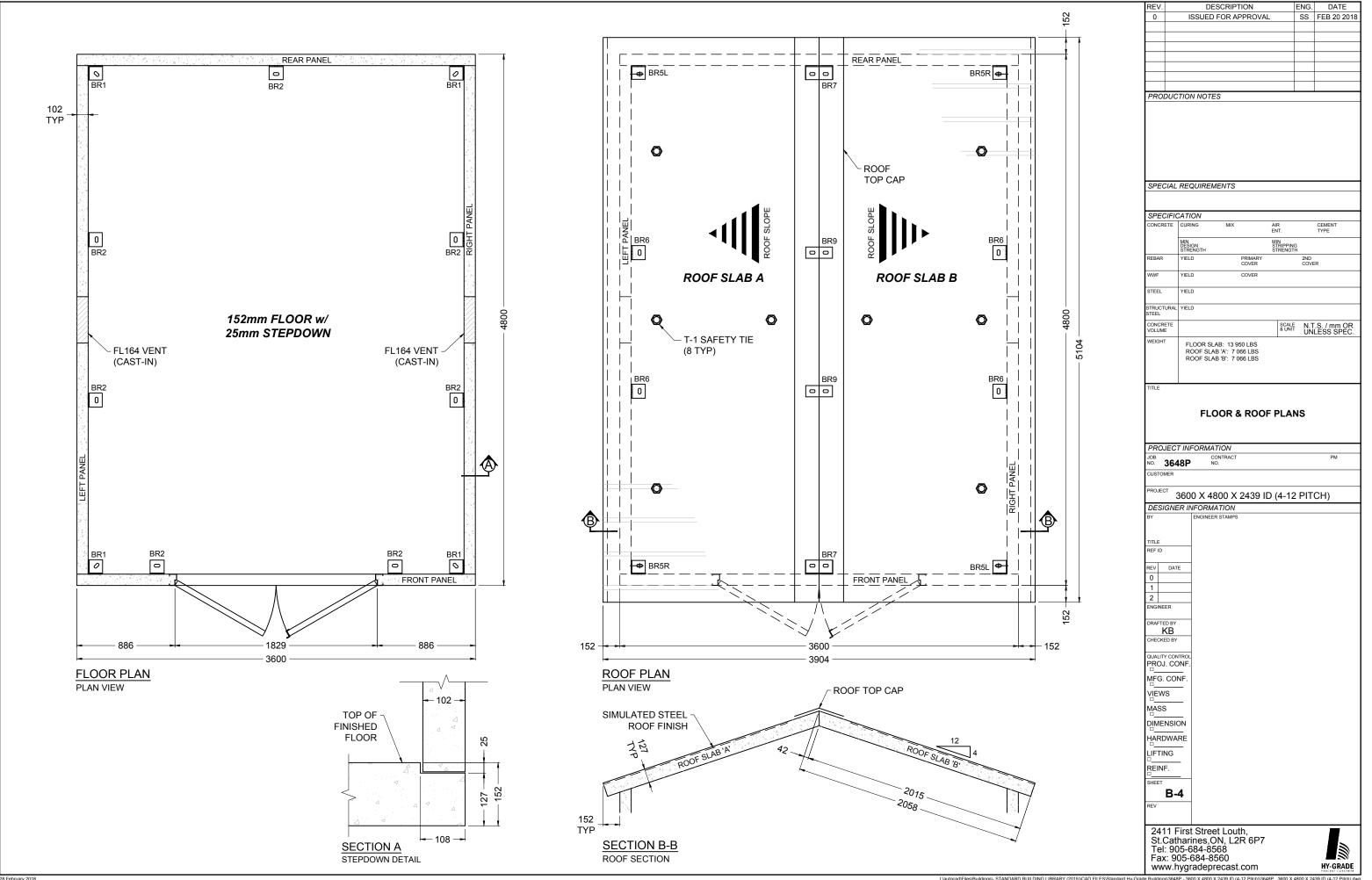
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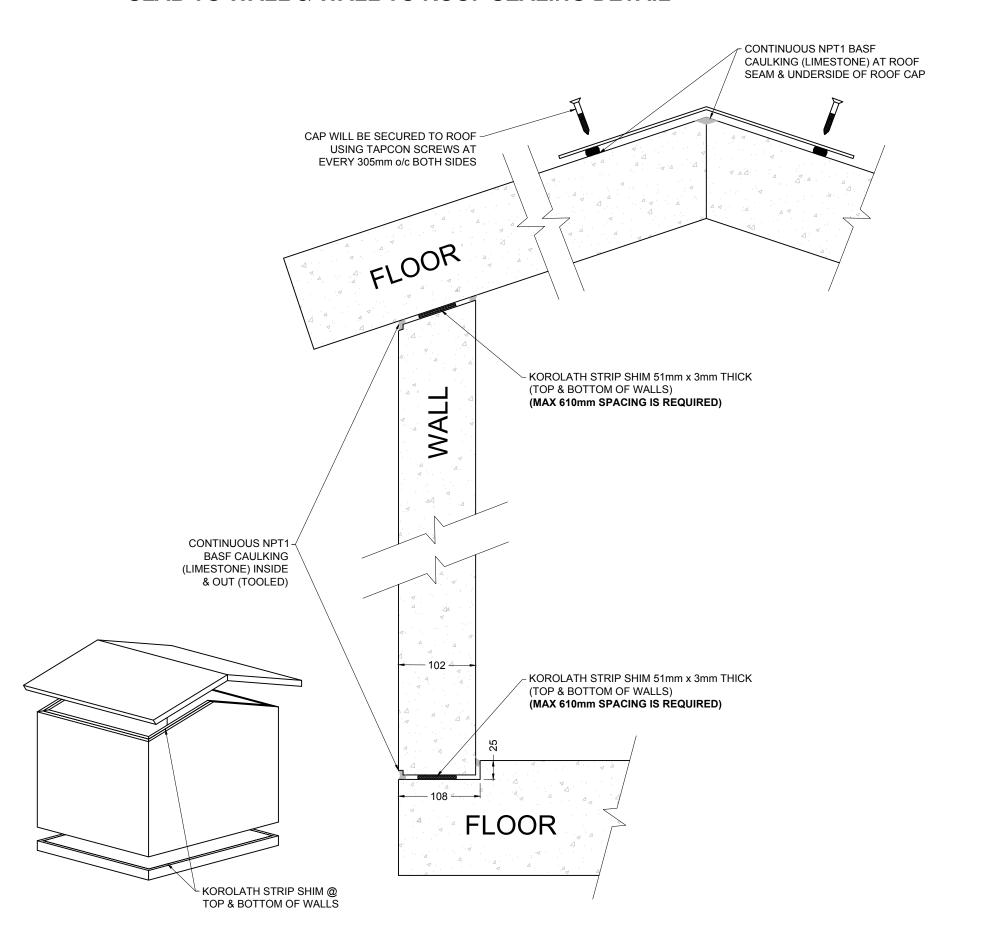
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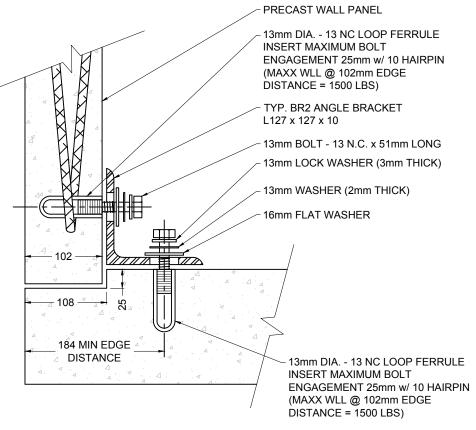


SLAB TO WALL & WALL TO ROOF SEALING DETAIL



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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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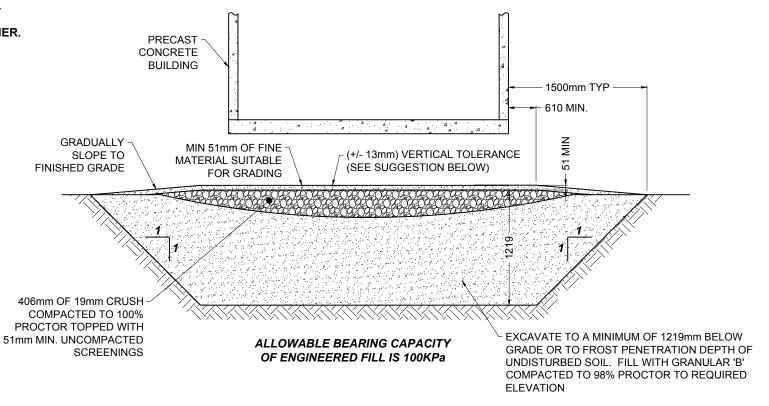
SUGGESTED MINIMUM SITE PREPARATION NOTES

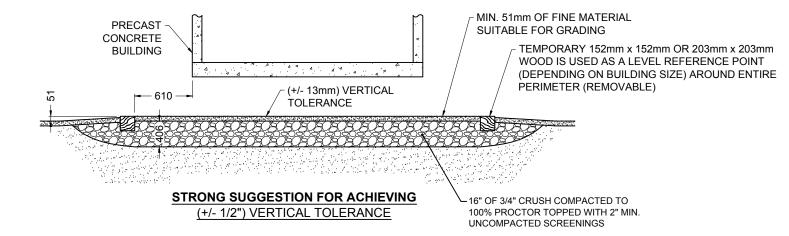
- * FINAL PROJECT SITE DESIGN AND SITE PREPARATION IS BY CUSTOMER.
- * THIS PAGE IS ONLY A RECOMMENDATION.
- 1. GRANULAR PAD SHOULD BE AT MINIMUM OF 610mm WIDER AND 610mm LONGER THAN THE BUILDING, WITH BUILDING SITUATED AT CENTER OF PAD.
- 2. THE PAD AREA SHOULD BE STRIPPED OF ALL ORGANIC AND DELETERIOUS 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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DESCRIPTION

ENG. DATE

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



DOOR #1

VENDOR: REGIONAL DOORS & HARDWARE

P.O. #:

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:

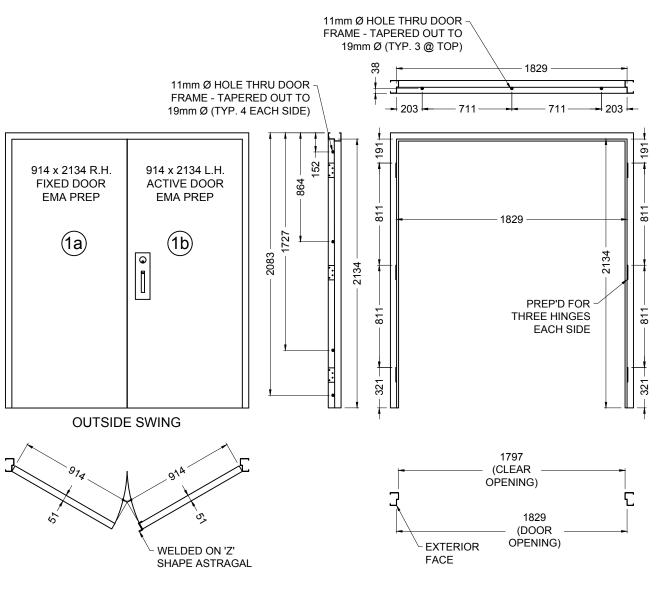
MARK	QTY.	SIZE	GAUGE	OUT-SIDE SWING	INTERIOR	ASTRAGAL	HINGE-PREP	OPENING PREP
1a	1	914 x 2134	18	RIGHT HAND	HONEYCOMB	NONE	TYP 3/DOOR	NONE
1b	1	914 x 2134	18	LEFT HAND	HONEYCOMB	Z SHAPE	TYP 3/DOOR	NONE

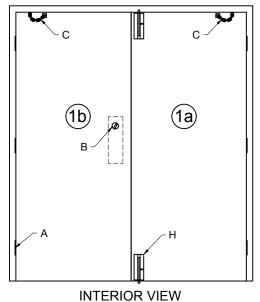
^{*} USE STOCK MATERIAL

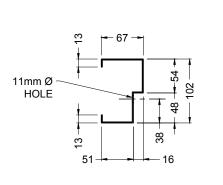
HARDWARE DATE REQ'D:

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 - CUT TO LENGTH BY HY-GRADE
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 <u>NOT</u> CAST INTO CONCRETE PANEL

REV. DESCRIPTION ENG. DATE

0 ISSUED FOR APPROVAL SS FEB 20 2018

PRODUCTION NOTES

SPECIAL REQUIREMENTS

PROJECT INFORMATION

JOB CONTRACT
NO. 3648P NO.

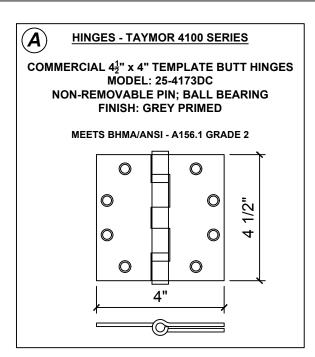
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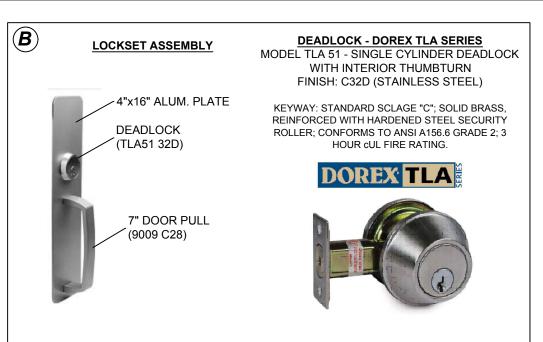
DOOR 1 DETAILS

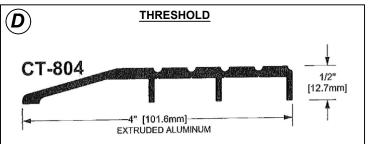
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2411 First Street Louth, St.Catharines,ON, L2R 6P7 Tel: 905-684-8568 Fax: 905-684-8560 www.hygradeprecast.com

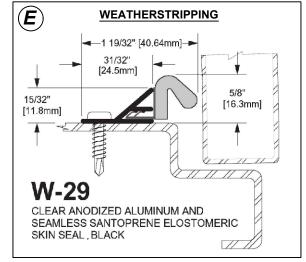


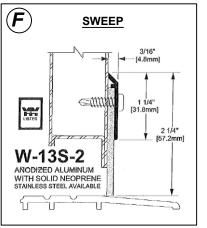


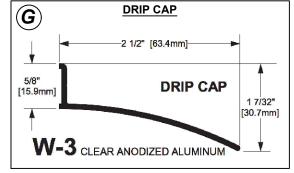












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HY-GRADE

Fax: 905-684-8560

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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