PROJECT:
3648F - 3600 x 4800 x 2439 ID (FLAT)

LOCATION:

CUSTOMER:

JOB #
3648F

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: ### LBS (### 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

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.
LEFT ELEVATION
EXTERIOR VIEW

FL164 - 419mm x 121mm CAST IN VENT c/w BIRD SCREENS

TOP OF FINISHED FLOOR

LEFT ELEVATION

BR1

BR2

2400

2400

FLOOR SLAB

1800

1800

127

2464

152

2743

76

TYP

102

TYP

2411 First Street South, Louth, St. Catharines, ON, L2R 6P7
Tel: 905-684-8568
Fax: 905-684-8560
www.hygradeprecast.com
152mm FLOOR w/ 25mm STEPDOWN

- DRIP EDGE ALONG ENTIRE PERIMETER OF BUILDING
- 102mm THICK THIS SIDE

T-1 SAFETY TIE (8 TYP)

FLOOR PLAN
PLAN VIEW

TOP OF FINISHED FLOOR

SECTION A
STEPDOWN DETAIL

FLOOR & ROOF PLANS

FLOOR SLAB: 13,950 LBS
ROOF SLAB: 12,500 LBS
SLAB TO WALL & WALL TO ROOF SEALING DETAIL

**PRODUCTION DETAIL:**

**DRIP EDGE PLACEMENT**

- 13mm - HALF ROUND

**FLAT ROOFS**
- Located on the underside of the narrow edge of the roof

**Drip Edge Along Entire Perimeter of Building**

**KOROLATH STRIP SHIM 51mm x 3mm THICK**
- (Top & Bottom of Walls)
- (Max 610mm Spacing is Required)

**Continuous NPT1 BASF Caulking**
- (Limestone) Inside & Out (Toolled)

**KOROLATH STRIP SHIM 51mm x 3mm THICK**
- (Top & Bottom of Walls)
- (Max 610mm Spacing is Required)

**KOROLATH STRIP SHIM @ Top & Bottom of Walls**

28 February 2018
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.
SUGGESTED MINIMUM SITE PREPARATION NOTES

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 610mm CLEARANCE IS REQUIRED BETWEEN THIS BUILDING AND ADJACENT BUILDINGS.

2411 First Street Louth, St.Catharines, ON, L2R 6P7
Tel: 905-684-8568
Fax: 905-684-8560
www.hygradeprecast.com
DOOR #1

VENDOR: REGIONAL DOORS & HARDWARE

P.O. #:

** EMA PREP FRAME **

DOOR FRAME (DATE RECD)

<table>
<thead>
<tr>
<th>QTY.</th>
<th>SIZE</th>
<th>GAUGE</th>
<th>OUT-SIDE SWING</th>
<th>INTERIOR ASTRAGAL</th>
<th>HINGE-PREP</th>
<th>OPENING PREP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1829 x 2134</td>
<td>16</td>
<td>DOUBLE DOOR</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HARDWARE (DATE RECD)

<table>
<thead>
<tr>
<th>QTY.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>'A' HINGE SET - TYP. 3/DOOR (TAYMOR 4100, NRP, BB, BUTT HINGE, 114mm x 102mm, GREY PRIMED)</td>
</tr>
<tr>
<td>1</td>
<td>'B' LOCK SET - DOREX TLA51 32D - STANDARD SCHLAGE &quot;C&quot; w/ 178mm DOOR PULL &amp; 102mm x 406mm PLATE</td>
</tr>
<tr>
<td>2</td>
<td>'C' CHECK CHAIN w/ BINDER POSTS &amp; FASTENERS (N157A)</td>
</tr>
<tr>
<td>1</td>
<td>'D' THRESHOLD - CT-804 TYP. (KN CROWDER) x 1829mm LONG</td>
</tr>
<tr>
<td>1</td>
<td>'E' WEATHER STRIP - TYP. (KN CROWDER W-29) x 8231mm LONG</td>
</tr>
<tr>
<td>1</td>
<td>'F' SWEEP - TYP. (KN CROWDER W-135-2) x 1829mm LONG - CUT TO LENGTH BY HY-GRADE</td>
</tr>
<tr>
<td>1</td>
<td>'G' DRIP CAP TYP. (KN CROWDER W-3) 1930mm LONG</td>
</tr>
<tr>
<td>2</td>
<td>'H' BARREL BOLT - 203mm ZINC PLATED HEAVY DUTY #SP108582</td>
</tr>
</tbody>
</table>

* USE STOCK MATERIAL

REFER TO PAGE D-2 FOR DETAILS

OUTSIDE SWING

STEEL FRAME IS NOT CAST INTO CONCRETE PANEL

INTERIOR VIEW

11mm Ø HOLE THRU DOOR FRAME - TAPERED OUT TO 19mm Ø (TYP. 3 @ TOP)

11mm Ø HOLE THRU DOOR FRAME - TAPERED OUT TO 19mm Ø (TYP. 4 EACH SIDE)
**Hinges - Taymor 4100 Series**

Commercial 4½" x 4" template butt hinges model: 25-4110C
- Non-removable pin; ball bearing finish: grey primed

**Lockset Assembly**
- 4"x16" alum. plate
- Deadlock (TLA51 32D)

**Threshold**
- CT-804
- 4" [101.6mm] extruded aluminum

**Weatherstripping**
- W-29
- Clear anodized aluminum and seamless santoprene elastomeric skin seal, black

**Drip Cap**
- W-3
- Clear anodized aluminum

**Door Hardware**
- Barrel bolt 8" zinc plated heavy duty (#SP10582)
- Deadlock - Dorex TLA Series
  - Model TLA 51 - single cylinder deadlock with interior thumbturn
  - Finish: C32D (Stainless Steel)
  - Keyway: Standard Schlage "C"; solid brass, reinforced with hardened steel security roller; conforms to ANSI A156.6 Grade 2; 3 hour UL fire rating
- Door pull (9009 C28)
- Door pull (25-4173DC)
- Threshold sweep (CT-804)
- Threshold sweep (CT-804)
- Drip cap (W-3)
- Door pull (25-4173DC)

**Design Notes**
- Special requirements
- Specification: concrete curing, mix, air ent.
- Cements: type, min design strength, min stripping strength
- Rebars: yield, primary cover, 2nd cover
- WWF: yield, cover
- Concrete volume, scale & unit
- N.T.S. / mm or unless spec.
- Weight
- Title
- Project information: job no., contract no., pm
- Customer project designer information: by, title
- Engineer stamps: ref id, rev, date
- Project conference: □_______
- Mfg. conference: □_______
- Views: □_______
- Mass: □_______
- Dimension: □_______
- Hardware: □_______
- Lifting: □_______
- Sheet rev: D-2

**Qual. Control**
- Rev.
- Description
- Eng.
- Date
- Issued for approval
- FEB 14 2018
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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