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: 26 700 LBS (12.1 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.
SLAB TO WALL & WALL TO ROOF SEALING DETAIL

- KOROLATH STRIP SHIM @ TOP & BOTTOM OF WALLS
- CONTINUOUS NPT1 BASF CAULKING (LIMESTONE) AT ROOF SEAM & UNDERSIDE OF ROOF CAP
- CAP WILL BE SECURED TO ROOF USING TAPCON SCREWS AT EVERY 305mm o/c BOTH SIDES
- CONTINUOUS NPT1 BASF CAULKING (LIMESTONE) INSIDE & OUT (TOOLED)

- CONTINUOUS NPT1 BASF CAULKING (LIMESTONE) AT ROOF SEAM & UNDERSIDE OF ROOF CAP
- KOROLATH STRIP SHIM 51mm x 3mm THICK (TOP & BOTTOM OF WALLS)
  (MAX 610mm SPACING IS REQUIRED)
- KOROLATH STRIP SHIM 51mm x 3mm THICK (TOP & BOTTOM OF WALLS)
  (MAX 610mm SPACING IS REQUIRED)
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.
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 Opps 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 of 51mm 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 its 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.

Hy-Grade Precast will not be responsible for any damage or delays caused by poor or un-finished site preparation.

Site Preparation

All allowable bearing capacity of engineered fill is 100kPa

Excavate to a minimum of 1219mm below grade or to frost penetration depth of undisturbed soil. Fill with granular 'B' compacted to 98% proctor to required elevation.

16" of 3/4" crush compacted to 100% proctor topped with 2" min. uncompacted screenings

Temporary 152mm x 152mm or 203mm x 203mm wood is used as a level reference point (depending on building size) around entire perimeter (removable)

16" of 3/4" crush compacted to 100% proctor topped with 2" min. uncompacted screenings

Strong suggestion for achieving (+/- 1/2") vertical tolerance

Min. 51mm of fine material suitable for grading

Gradually slope to finished grade

Min 51mm of fine material suitable for grading (see suggestion below)

(+/- 13mm) vertical tolerance

Allunowable bearing capacity of engineered fill is 100kPa
**DOOR #1**

**VENDOR:**
REGIONAL DOORS & HARDWARE

**P.O. #:**

**DOOR FRAME (DATE RECORD ________)**

**OUTSIDE SWING INTERIOR VIEW**

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

<table>
<thead>
<tr>
<th>QTY.</th>
<th>SIZE</th>
<th>GAUGE</th>
<th>OUT-SIDE SWING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>914 x 2134</td>
<td>16</td>
<td>RIGHT HAND</td>
</tr>
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**DOORS (DATE RECORD ________)**

**MARK**

<table>
<thead>
<tr>
<th>QTY.</th>
<th>SIZE</th>
<th>GAUGE</th>
<th>OUT-SIDE SWING</th>
<th>INTERIOR</th>
<th>ASTRAGAL</th>
<th>HINGE-PREP</th>
<th>OPENING PREP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>914 x 2134</td>
<td>18</td>
<td>RIGHT HAND</td>
<td>HONEYCOMB</td>
<td>FLAT</td>
<td>TYP 3/DOOR</td>
<td>NONE</td>
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**HARDWARE (DATE RECORD ________)**

<table>
<thead>
<tr>
<th>QTY.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</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>1</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 914mm LONG</td>
</tr>
<tr>
<td>1</td>
<td>'E' WEATHER STRIP - TYP. (KN CROWDER W-29) x 5182mm LONG</td>
</tr>
<tr>
<td>1</td>
<td>'F' SWEEP - TYP. (KN CROWDER W-132-2) x 914mm LONG - CUT TO LENGTH BY HY-GRADE</td>
</tr>
<tr>
<td>1</td>
<td>'G' Drip Cap TYP. (KN CROWDER W-3) 1016mm LONG</td>
</tr>
</tbody>
</table>

**REFER TO PAGE D-2 FOR DETAILS**
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

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 UL fire rating.

Threshold

Weatherstripping

Sweep

Drip Cap

Door Hardware
FINISHES

EXTERIOR:  **PLEASE SPECIFY**

- SIMULATED OLD ASHLAR STONE
- SIMULATED 8x3 SMOOTH BRICK
- EXPOSED AGGREGATE

INTERIOR:  SMOOTH CONCRETE

PAINT COLOURS

SAMPLE STOCK COLOURS

- SPECIAL GREY
- AMBI 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:  **PLEASE SPECIFY**

FLOOR EDGE:  SW H&C STAIN - SPECIAL GREY