

The following Addendum forms part of the Contract Documents for the Grand Valley Institute for Women - Principal Entrance Building (Project number R.047995.001). The following changes, additions or deletions shall be made to the following documents as indicated and all other Contract Documents shall remain the same.

This Addendum Number 01 contains 4 written pages, 2 Specification Sections (Section 10 21 13.19, Section 12 48 16) and 13 attached drawings (SKA-001, SKA-002, SKA-003, SKS-001, SKS-002, SKS-003, SKS-004, SKS-005, SKS-006, SKS-007, SKS-008, SKS-009, SKS-010).

## **ARCHITECTURAL**

### Specification:

#### Section 07 52 00 - Modified Bituminous Membrane Roofing

1. Item 2.4.1.5.1; Revise to read as follows:
  - 2.4.1.5.1 Thermofusible Plastic Film: Polyethylene
2. Item 2.5.2; delete
3. Item 2.6.1; revise to read as follows:
  - 2.6.1 Glass Mat: To ASTM C1177/C1177M, non-structural, glass mat faced gypsum panels having water resistant core and proprietary non-asphaltic primed surface.
4. Item 3.6.1; revise to read as follows:
  - 3.6.1 Insulation: Mechanically fastened application:
    - .1 Mechanically fasten insulation using screws and pressure distribution plates.
    - .2 Fasten insulation as per manufacturer's written recommendations.
    - .3 Number and pattern of screws per board to meet Factory Mutual requirements.
    - .4 Place boards in parallel rows with ends staggered, and in firm contact with one another.
    - .5 Cut end boards to suit.
5. Item 3.6.2, 3.6.3; Delete

#### Section 09 42 33.13 - Interior Solid Phenolic Panels

1. Item 1.3.2.2.1; Add as follows:
  - 1.3.2.2.1 Provide shop drawing indicating layout pattern
1. Item 2.2.1; Revise to read as follows:
  - 2.2.1 Solid Phenolic Wall and Ceiling Panels: Flat panel comprised of thermosetting resins homogeneously reinforced with cellulose fibres, manufactured under high pressure and temperature and as follows:
2. Item 2.2.1.3.1 and 2.2.1.3.2; Add as follows:
  - 2.2.1.3.1 Type C3: 8 mm thickness (minimum) x 95 mm width x manufacturer's longest panel length with 1 mm gap reveal
  - 2.2.1.3.2 Type C4 and Wall Panels: 8 mm thickness (minimum) x 150 mm width x manufacturer's longest panel length with 1 mm gap reveal
3. Item 2.2.1.7; Add as follows:
  - 2.2.1.7 Layout: Staggered pattern

Section 09 51 26 - Acoustical Wood Ceilings

1. 2.2.1.1 Blade: solid poplar, 610 mm x 610 mm with 12 nominal 13 mm thick horizontal blades, 12 mm blade spacing, Dark Cherry finish.
2. 2.2.1.2 Support System: Manufacturer's standard suspension system with ceiling backer assembly spaced at maximum 1220 mm O/C.
3. 2.2.1.3 Acoustical Performance:
  - 2.2.1.3.1 Insulation: Manufacturer's standard black 50 mm thick fibreglass acoustic insulation.

Section 10 21 13.19

1. Section 10 21 13.19; Add and forms a part of this Addendum. Provide in A203a.

Section 12 48 16 - Entrance Floor Grilles

1. Section 12 48 16; Add and forms a part of this Addendum. Provide in P101, P114, P128, P136.

**ELECTRICAL**

Specification:

Section 28 16 00 - Intrusion Detection

1. Item 2.1.1 revise to read "Manufactured by: Manufacturer Senstar 119 John Cavanaugh Drive Carp, ON K0A 1L0. Contact: Bruce Belyea. Tel: 613-839-5572; email Bbelyea@senstar.com"

**ARCHITECTURAL**

Drawing:

Drawing A0.02 - Schedules and Legends

1. Revise all walls contained within the Interior Wall Construction schedule to include a resilient vinyl base that is to conform to the specification, unless another base material is noted within the drawings.

Drawing A0.03 - Door Schedule

2. Revise frame type of door P106 to F1
3. Revise frame type of door ST01-3 to F2
4. Revise hardware set according to the following table

Door Number	Hardware Set No.	Door Number	Hardware Set No.
P109-3	10	P124	23
P110	13	P125	26
P111-1	14	P126	26
P111-2	15	P127	27
P112	16	P128-1	28
P113	17	P128-2	29
P114-1	18	P128-3	30
P114-2	19	P129	31
P115-1	20	P130	32
P116	21	P131	32
P117	22	P133	32
P118	23	P134-1	33
P119	24	P134-2	31
P120	24	P134-A	34
P121	25	ST01-2	12
P122	24		

Drawing A2.01 - Ground Floor Plan A

1. Refer to SKA-001, revise to include added landscape information

Drawing A7.11 - Window Schedule

1. Refer to SKA-003, revise horizontal mullion dimension to read 2159mm from T/O Slab Ground Level

Drawing A7.13 - Window Schedule

1. Revise the title of S1 to read S8
2. Revise the title of S2 to read S9
3. Revise the title of S3 to read S10
4. Refer to SKA-002 & SKA-003, added information for curtain wall segments C24, 25, C26, C27, and C32.

**STRUCTURAL**

Drawing:

Drawing S1.01 - General Notes

1. Refer to SKS-001, Slab-on-grade reinforcement note #22 revised as shown.

Drawing S1.03 - General Notes

1. Refer to SKS-002, Revised joint reinforcement to "ladder" type, as shown on note #6.
2. Added reinforcement for shear wall, as shown on note #9
3. Added note #16 to refer to lintel typical detail M14.

Drawing S1.05 - Typical Details

1. Refer to SKS-003, Added typical detail CF05.

Drawing S1.08 - Typical Details

1. Refer to SKS-005, Revised typical detail M14.

Drawing S1.10 - Typical Details

1. Refer to SKS-004, Added typical detail M08.

Drawing S2.01 - Foundation Plan

1. Refer to SKS-006, Added slab-on-grade thickening at stair landing.

Drawing S2.02 - Second Floor and Canopy Framing Plan

1. Refer to SKS-007, Revised wall callout as shown.

Drawing S3.01 - Schedules

1. Refer to SKS-008, Revised column section as shown.

Drawing S4.02 - Foundation Sections

1. Refer to SKS-009, Revised truss type to ladder type horizontal masonry joint reinforcement.

Drawing S4.03 - Foundation Sections

1. Refer to SKS-007, Revised Slab-on-Grade sub base as shown

Drawing S4.11 - Second Floor Sections

1. Refer to SKS-010, Added masonry anchors to deck closure angle around elevator shaft wall.

End of ADDENDUM Number 01

**Part 1 GENERAL**

**1.1 REFERENCES**

- .1 Canadian Standards Association (CSA International)
  - .1 CAN/CSA-B651-12, Accessible Design for the Built Environment.
- .2 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
  - .1 Material Safety Data Sheets (MSDS).

**1.2 SUBMITTALS**

- .1 Provide submittals in accordance with Section 01 33 00.
- .2 Product Data:
  - .1 Submit manufacturer's printed product literature for toilet partitions or components, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
  - .1 Shop drawings: submit drawings stamped and signed by professional engineer registered or licensed in Province of Ontario, Canada.
  - .2 Indicate fabrication details, plans, elevations, hardware, and installation details.
- .4 Samples:
  - .1 Submit duplicate 300 x 300 mm samples of panel showing finish on both sides, two finished edges and core construction.
  - .2 Submit duplicate representative samples of each hardware item, including brackets, fastenings and trim.
- .5 Quality control submittals: submit following in accordance with Section 01 45 00.
  - .1 Manufacturer's Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence and cleaning procedures.
  - .2 Manufacturer's Field Reports: submit manufacturer's written reports within 3 days of review, verifying compliance of Work, as described in PART 3 - FIELD QUALITY CONTROL.
- .6 Closeout Submittals:
  - .1 Provide maintenance data for plastic laminate for incorporation into manual specified in Section 01 78 00.

**1.3 QUALITY ASSURANCE**

- .1 Pre-Installation Meetings: convene pre-installation meeting one week prior to beginning work of this Section and on-site installation, with contractor's representative and Departmental Representative in accordance with Section 01 32 16 to:
    - .1 Verify project requirements.
    - .2 Review installation and substrate conditions.
-

- .3 Co-ordination with other building subtrades.
- .4 Review manufacturer's installation instructions and warranty requirements.

#### **1.4 DELIVERY, STORAGE AND HANDLING**

- .1 Deliver, store and handle materials in accordance with Section 01 61 00.
- .2 Protect finished laminated plastic surfaces during shipment and installation. Do not remove until immediately prior to final inspection.
- .3 Waste Management and Disposal:
  - .1 Separate waste materials for reuse and recycling in accordance with Section 01 74 20.

### **Part 2 PRODUCTS**

#### **2.1 MATERIALS**

- .1 Solid plastic toilet partitions.
- .2 Sealer: water resistant sealer or glue as recommended by laminate manufacturer.
  - .1 Sealer: maximum VOC limit 250 g/L to SCAQMD Rule 1168.
- .3 Pilaster shoe: 0.8 mm stainless steel, 75 mm high.
- .4 Attachment: stainless steel tamper proof type screws and bolts.

#### **2.2 COMPONENTS**

- .1 Hinges:
  - .1 Heavy duty, non-lubricating.
  - .2 Material/finish: stainless steel casting.
  - .3 Swing: inward.
  - .4 Return movement: gravity.
  - .5 Adjustable to hold door open at any angle up to 90 degrees.
  - .6 Emergency access feature.
- .2 Latch set: built-in, combination latch, door-stop, keeper and bumper, stainless steel.
- .3 Wall and connecting brackets: stainless steel extrusion or casting.
- .4 Coat hook: combination hook and rubber door bumper, stainless steel.
- .5 Door pull: Barrier-free type suited for outswinging doors, stainless steel.

#### **2.3 FABRICATION**

- .1 Doors, panels and screens: 25 mm thick, solid plastic laminate panels, to sizes indicated.
- .2 Pilasters: 32 mm thick, constructed same as door, to sizes indicated.
- .3 Provide formed and closed edges for doors, panels and pilasters.
  - .1 Mitre and weld corners and grind smooth.

- .4 Provide internal reinforcement at areas of attached hardware and fittings.

### **Part 3 EXECUTION**

#### **3.1 MANUFACTURER'S INSTRUCTIONS**

- .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.

#### **3.2 INSTALLATION**

- .1 Ensure supplementary anchorage, if required, is in place.
- .2 Do work in accordance with CAN/CSA-B651.

#### **3.3 ERECTION**

- .1 Partition erection:
  - .1 Install partitions secure, plumb and square.
  - .2 Leave 12 mm space between wall and panel or end pilaster.
  - .3 Anchor mounting brackets to masonry or concrete surfaces using screws and shields: to hollow walls using bolts and toggle type anchors, to steel supports with bolts in threaded holes.
  - .4 Attach panel and pilaster to brackets with through type sleeve bolt and nut.
  - .5 Provide for adjustment of floor variations with screw jack through steel saddles made integral with pilaster. Conceal floor fixings with stainless steel shoes.
  - .6 Equip each door with hinges, latch set, and each stall with coat hook mounted on door, mounting heights 1194 mm. Adjust and align hardware for proper function. Set door open position at 30 degrees to front. Install door bumper door mounted, type rubber.
  - .7 Equip outswinging doors with door pulls on inside of door in accordance with CAN/CSA-B651.
  - .8 Install hardware grab bars.
- .2 Floor supported partition erection:
  - .1 Secure pilasters to floor with pilaster supports anchored with minimum 50 mm penetration in structural floor.
  - .2 Level, plumb and tighten installation with levelling device.
  - .3 Secure pilaster shoes in position.
  - .4 Set tops of doors level with tops of pilasters when doors are in closed position.

#### **3.4 FIELD QUALITY CONTROL**

- .1 Manufacturer's Field Services:
  - .1 Provide manufacturer's field services consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacturer's instructions.

**3.5 CLEANING**

- .1 Proceed in accordance with Section 01 74 11.
- .2 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.

**END OF SECTION**

**Part 1 General**

**1.1 SUMMARY**

- .1 This Section includes requirements for supply and installation of recessed floor grilles, and frames as follows:
  - .1 Frames: Manufacturer's standard frames of size and style for grille type; permanent recessed installation in subfloor having required anchorages and accessories; fabricate frame of same material and finish as grilles.
  - .2 Floor Grilles: Manufacturer's standard floor grille assemblies consisting of treads joined together by cross members or interlocked; and with support legs (if any) and other components needed to produce a complete installation.

**1.2 RELATED REQUIREMENTS**

- .1 Section 03 30 00 – Cast-In-Place Concrete: Coordination for concrete forming, placing and finishing concrete floor slabs, and grouting frames into recesses.

**1.3 REFERENCE STANDARDS**

- .1 American Society for Testing and Materials (ASTM):
  - .1 ASTM A653/A653M-09a, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
  - .2 ASTM B209-07, Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
  - .3 ASTM B221-08, Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes
  - .4 ASTM D2047-11, Standard Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces as Measured by the James Machine
- .2 Canadian Standards Association (CSA):
  - .1 CAN/CSA B651-04 (R2007), Accessible Design for the Built Environment

**1.4 ADMINISTRATIVE REQUIREMENTS**

- .1 Coordination: Coordinate size and location of oversized recesses in concrete work receiving floor grilles and frames; delay frame installations until building enclosure is completed and related interior finish work is in progress.
- .2 Coordination: Coordinate delivery of recessed floor grilles to coincide with placing of concrete.

**1.5 SUBMITTALS**

- .1 Provide required information in accordance with Section 01 33 00 – Submittal Procedures.
- .2 Action Submittals: Provide the following submittals before starting any work of this Section:

- .1 Product Data: Submit construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of floor grille and frame.
- .2 Shop Drawings: Submit shop drawings showing fabrication, assembly, joint locations, installation details, layout, plans, elevations, full scale sections, details of patterns or designs, anchors, and accessories for floor grilles; and as follows:
  - .1 Show oversize recess for deferred installation of pan or frames with concrete work.
- .3 Samples for Initial Selection: Submit samples for each product requiring finish and colour selections for Departmental Representative's initial selection.
- .4 Samples for Verification: Submit 300 mm x 300 mm assembled sections of floor grille, frame members, and tread rails indicating selected tread surface of each type of metal finish and colour of exposed grille treads, tread rails, frames, and accessories required.

## 1.6 PROJECT CLOSEOUT SUBMISSIONS

- .1 Operation and Maintenance Data: Submit manufacturer's written instructions for maintenance procedures; include name of original installer and contact information in accordance with Section 01 78 00 – Closeout Submittals.

## 1.7 QUALITY ASSURANCE

- .1 Regulatory Requirements: Install floor grilles to provide a barrier free entry in accordance with requirements of CSA B651 and Authority Having Jurisdiction.
- .2 Qualifications: Provide proof of qualifications when requested by Departmental Representative:
  - .1 Source Limitations: Obtain floor grilles and frames through one source from a single manufacturer.

## 1.8 SITE CONDITIONS

- .1 Site Measurements: Verify blocked out openings in floors by site measurements before fabrication and indicate measurements on shop drawings; coordinate fabrication schedule with construction progress to avoid delaying the Work.
- .2 Established Dimensions: Establish opening dimensions and proceed with fabricating floor grilles and frames without site measurements when site measurements cannot be made without delaying the Work; coordinate floor construction to ensure that actual opening dimensions correspond to established dimensions.

## Part 2 Products

### 2.1 PERFORMANCE REQUIREMENTS

- .1 Structural Performance: Provide floor grilles and frames capable of withstanding and supporting a nominal uniform load of 14.4 kN/m<sup>2</sup> without exceeding the allowable design working stress of the materials used for fabrication including anchors and connections.
  - .2 Slip Resistance: Provide floor grilles with coefficient of friction of minimum 0.60 in accordance with ASTM D2047.
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## 2.2 MATERIALS

- .1 Aluminum Sheet: Meeting requirements of ASTM B209, alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with not less than strength and durability properties of alloy 5005 H15.
- .2 Extruded Aluminum: Meeting requirements of ASTM B221, alloy 6061 T6 or alloy 6063 T5, T6, or T52 as standard with manufacturer; coat surface of frame in contact with cementitious materials with manufacturer's standard protective coating.

## 2.3 ENTRANCE GRILLAGE

- .1 Aluminum Floor Grilles: Manufacturer's standard floor grates with extruded members, top surfaced tread rails with following nominal requirements:
  - .1 Tread Rails: Extruded aluminum tread rails with extruded aluminum frame
  - .2 Aluminum Finish: Clear anodized.
  - .3 Top Surface: Fusion bonded, level cut pile nylon carpet insert; DuPont Antron III filament, 6 mm high, 950 g/m<sup>2</sup>
- .2 Drain Pans: Manufacturer's standard 1.5 mm thick, metallic coated steel sheet drain pan with NPS 2 (DN 50) drain outlet for each floor grille unit; coat bottom of pan with protective coating recommended by manufacturer.

## 2.4 FABRICATION

- .1 Shop fabricate floor grilles to greatest extent possible in sizes as indicated; provide each grille as a single unit; do not exceed manufacturer's recommended maximum sizes for units that are removed for maintenance and cleaning; space symmetrically and away from normal traffic lanes when joints in grilles are necessary.
- .2 Fabricate frame members in single lengths or, where frame dimensions exceed maximum available lengths, provide minimum number of pieces possible, with hairline joints equally spaced and pieces spliced together by straight connecting pins.

## Part 3 Execution

### 3.1 EXAMINATION

- .1 Examine substrates, and floor recesses and conform that location, size, and minimum recess depth affecting installation of floor grilles and frames meets manufacturer's installation requirements:
  - .1 Examine roughing in for floor grille and frame and drain pan installation.
  - .2 Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

- .1 Install recessed floor grilles and frames and drain pans in accordance with manufacturer's written instructions at locations indicated and with top of floor grilles and frames in relationship to one another and to adjoining finished flooring as recommended by manufacturer.
  - .2 Set floor grille tops at height for most effective cleaning action.
-

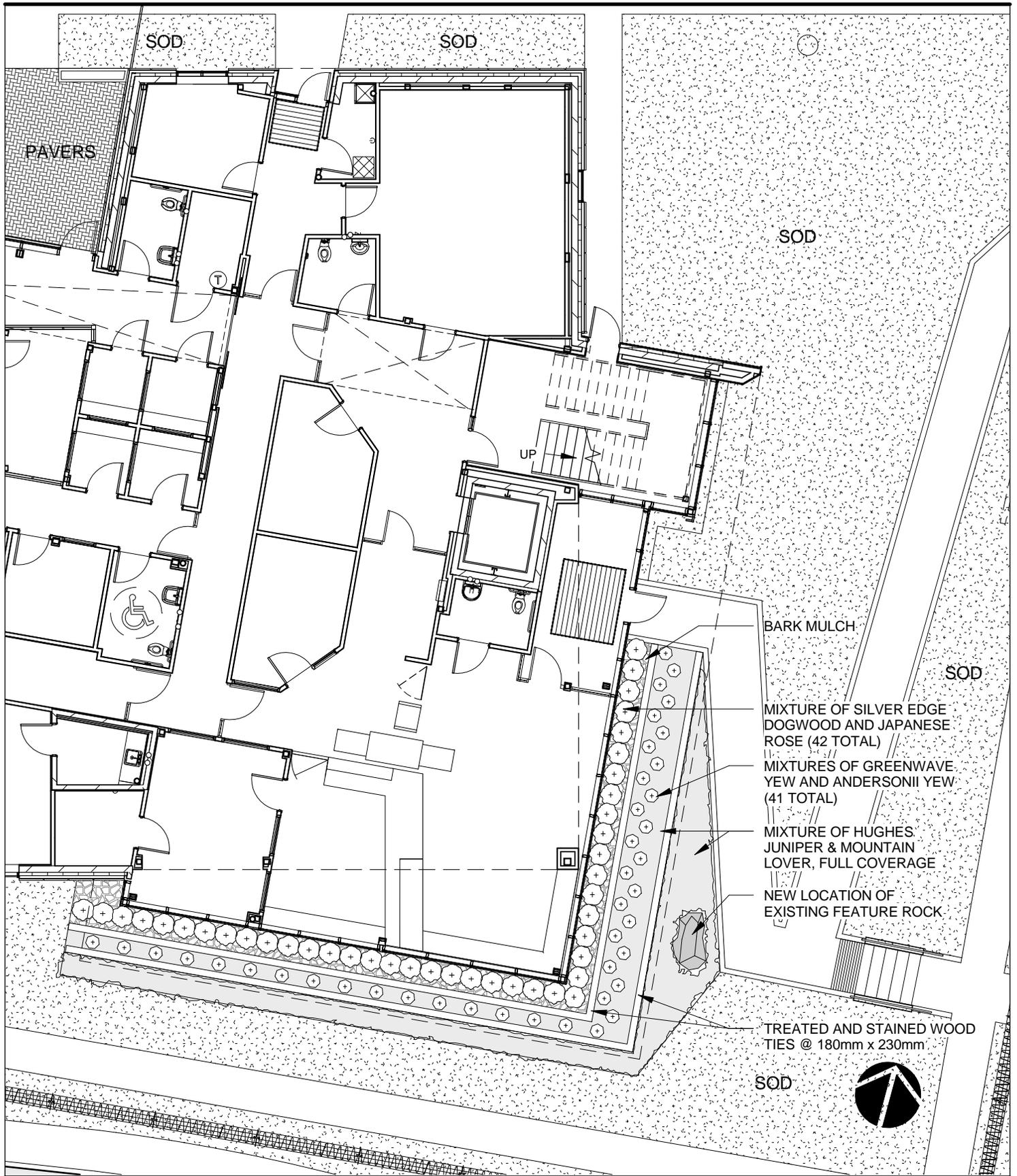
- .3 Coordinate top of floor grid surfaces with doors that swing across grids to provide clearance under door.

**3.3 PROTECTION**

- .1 After completing frame installations, provide temporary filler of plywood or fiberboard in floor grille recesses and cover frames with plywood protective flooring.
- .2 Maintain protection until construction traffic has ended and project is near Substantial Performance.

**END OF SECTION**

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TO BE READ IN CONJUNCTION WITH DRAWING: A2.01

**DIALOG™**

PROJECT TITLE: PRINCIPAL ENTRANCE BUILDING

DRAWING NUMBER: SKA-001

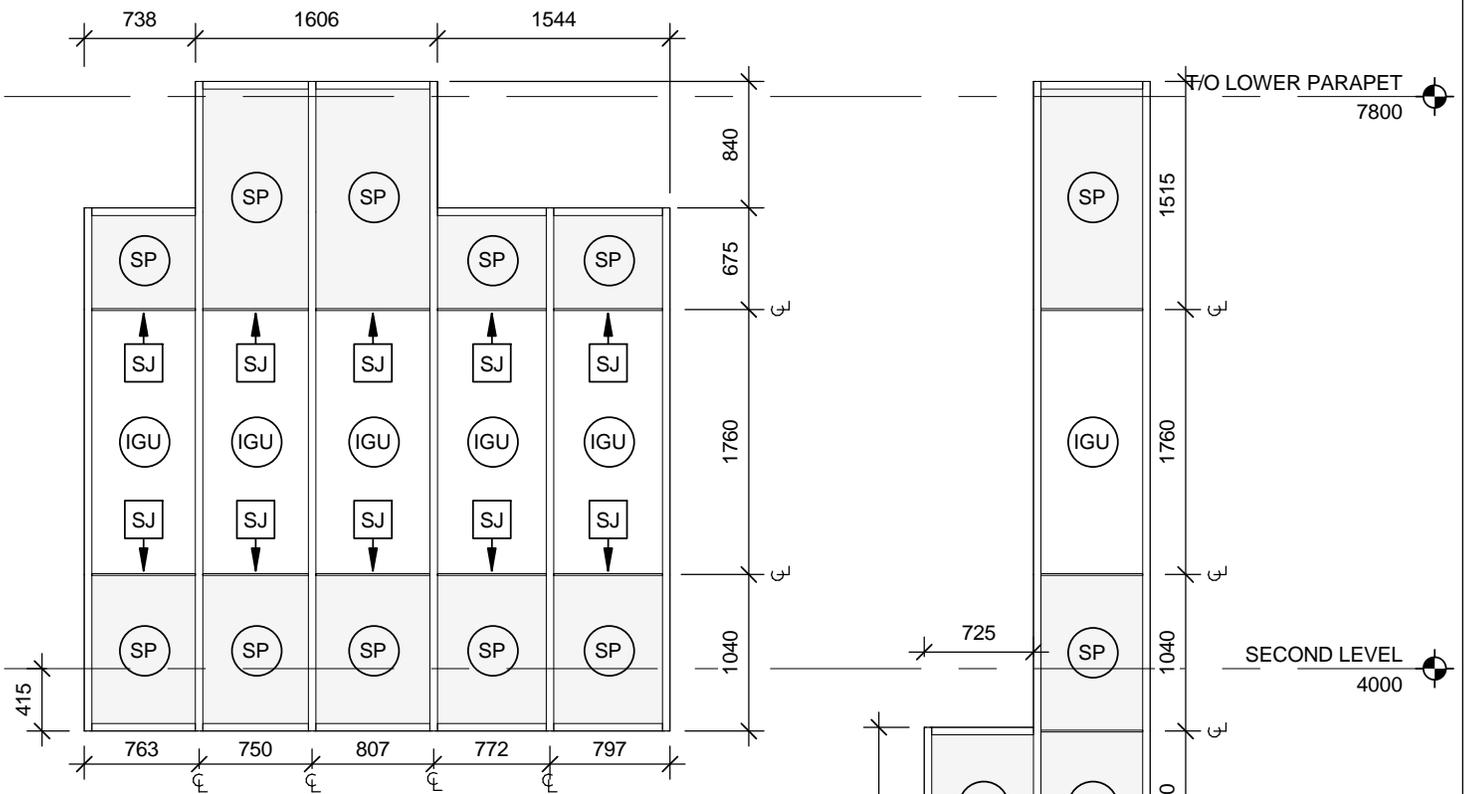
PROJECT #: R.047995.001

DRAWN BY: GG

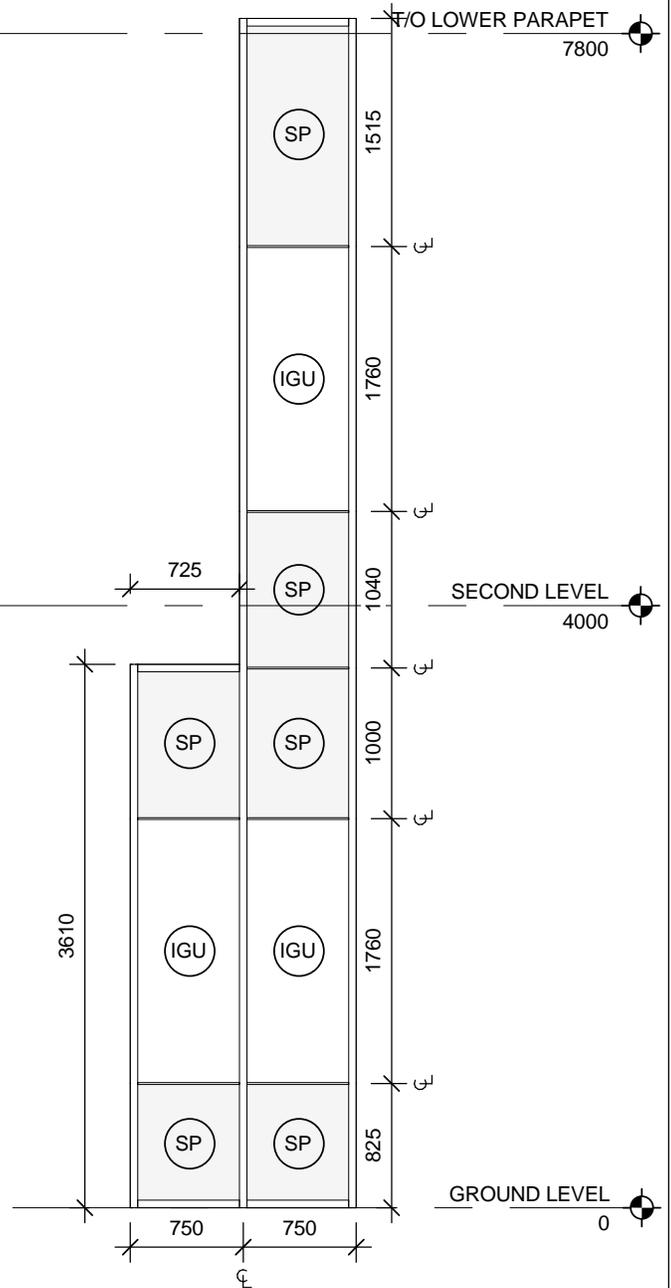
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CHECKED BY: RN

DATE: 11/12/13



**1** **C24**  
 SKA-002 1 : 50



**2** **C25**  
 SKA-002 1 : 50

TO BE READ IN CONJUNCTION WITH DRAWING: A7.13

**DIALOG™**

PROJECT TITLE: PRINCIPAL ENTRANCE BUILDING

DRAWING NUMBER: SKA-002

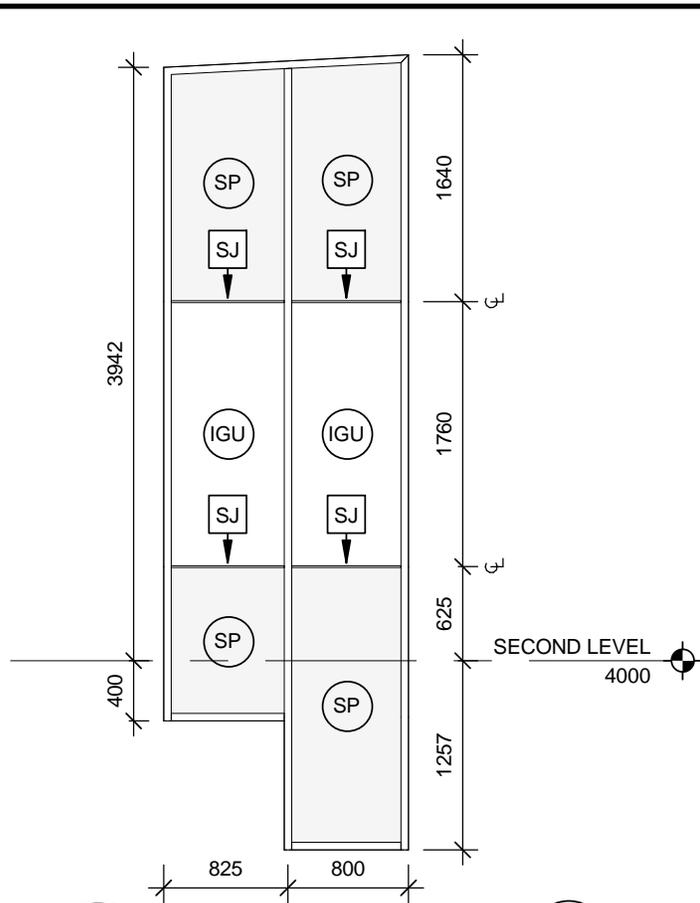
PROJECT #: R.047995.001

DRAWN BY: GG

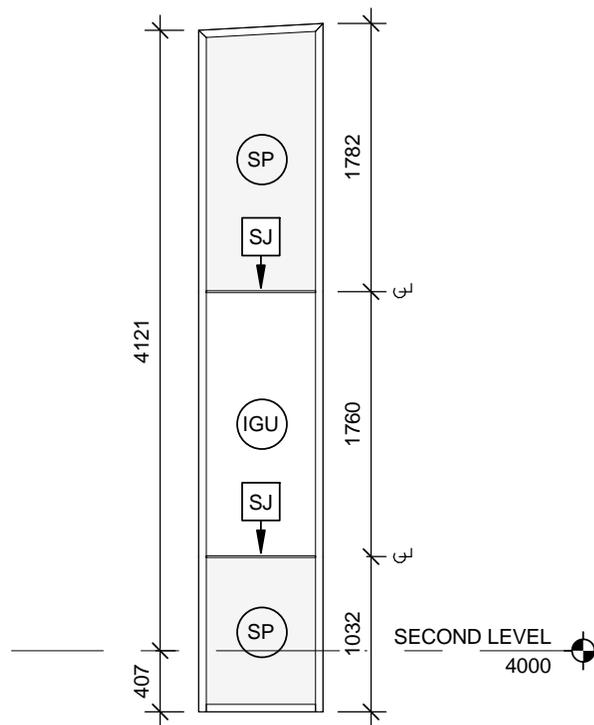
DRAWING TITLE: WINDOW SCHEDULE

CHECKED BY: RN

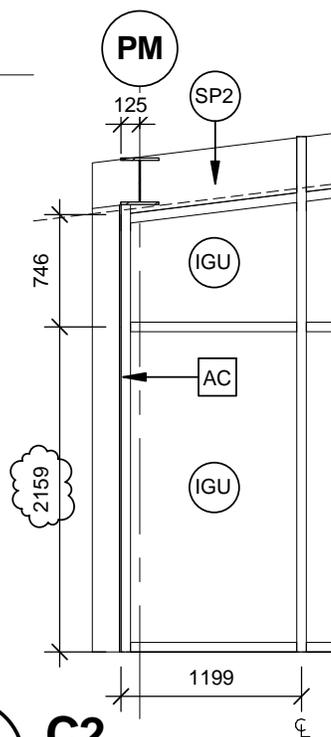
DATE: 11/14/13



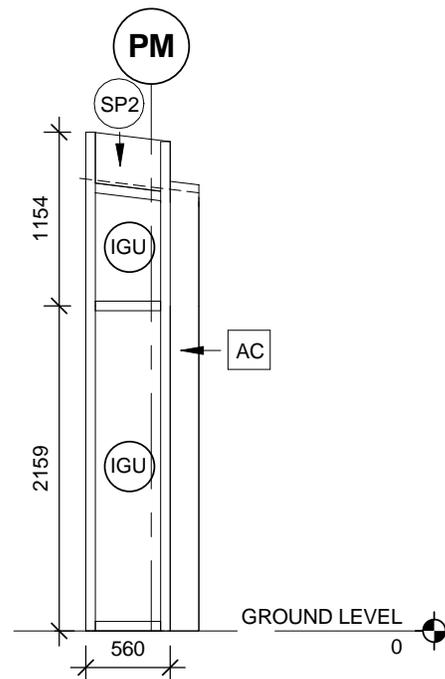
**1** **C26**  
SKA-003 1:50



**2** **C27**  
SKA-003 1:50



**4** **C2**  
SKA-003 1:50



**3** **C32**  
SKA-003 1:50

TO BE READ IN CONJUNCTION WITH DRAWING: A7.11 & A7.13

**DIALOG™**

PROJECT TITLE: PRINCIPAL ENTRANCE BUILDING

DRAWING NUMBER: SKA-003

PROJECT #: R.047995.001

DRAWN BY: GG

DRAWING TITLE: WINDOW SCHEDULE

CHECKED BY: RN

DATE: 11/12/13

2. REINFORCING

- .13 DO NOT FIELD BEND OR FIELD WELD REINFORCEMENT EXCEPT WHERE INDICATED OR AUTHORIZED BY THE DEPARTMENT REPRESENTATIVE. WHEN FIELD BENDING IS AUTHORIZED, BEND WITHOUT HEAT, APPLYING A SLOW AND STEADY PRESSURE.
- .14 REPLACE BARS THAT DEVELOP CRACKS OR SPLITS.
- .15 PLACE REINFORCING STEEL AS INDICATED ON APPROVED DRAWINGS AND IN ACCORDANCE WITH CSA-A23.1.
- .16 PLACE SUFFICIENT CHAIRS, AND SUPPORTS TO ADEQUATELY MAINTAIN THE POSITION OF THE REINFORCING STEEL DURING PLACEMENT OF CONCRETE, TO WITHIN THE TOLERANCES SPECIFIED IN THE REFERENCED CSA/CAN GUIDELINES. USE TIE WIRE TO PREVENT THE MOVING OR DISLODGING OF REINFORCING STEEL DURING PLACEMENT OF THE CONCRETE.
- .17 USE PLAIN ROUND BARS AS SLIP DOWELS IN CONCRETE. PAINT PORTION OF DOWEL INTENDED TO MOVE WITHIN HARDENED CONCRETE WITH ONE COAT OF ASPHALT PAINT. WHEN PAINT IS DRY, APPLY A THICK EVEN FILM OF MINERAL LUBRICATING GREASE.
- .18 PRIOR TO PLACING CONCRETE, OBTAIN THE DEPARTMENT REPRESENTATIVE'S APPROVAL OF REINFORCING MATERIAL PLACEMENT.
- .19 ENSURE COVER TO REINFORCEMENT IS MAINTAINED DURING CONCRETE POUR.
- .20 REINFORCING STEEL, ANCHOR BOLTS, OR OTHER REQUIRED INSERTS SHALL NOT BE INSERTED INTO CONCRETE DURING CONCRETE PLACEMENT.
- .21 TOUCH UP DAMAGED AND CUT ENDS OF EPOXY COATED OR GALVANIZED REINFORCING STEEL WITH COMPATIBLE FINISH TO PROVIDE CONTINUOUS COATING.
- .22 REINFORCE SLAB ON GRADE AS SHOWN ON S2.01 UNO. DO NOT PLACE REINFORCING MESH ON THE BOTTOM OF THE SLAB AND THEN HOOK INTO POSITION AFTER CONCRETE IS POURED - ADEQUATELY POSITION THE MESH INTO POSITION WITH PROPER CHAIRS AND SUPPORTS TO ACCOMMODATE THE SUBGRADE AND THE CONSTRUCTION TRAFFIC LOADS UNO.

TO BE READ IN CONJUNCTION WITH DRAWING: S1.01

**DIALOG**<sup>™</sup>

PROJECT NAME: PRINCIPAL ENTRANCE BUILDING

PROJECT #: 09487T0200

DRAWING TITLE: PART GENERAL NOTES

DRAWING SCALE: 1 : 1

DRAWING #: SKS-001

DRAWN BY: KAZ

CHECKED BY: NM

DATE: 11/12/13

MASONRY NOTES

- .6 MASONRY WIRE REINFORCING SHALL CONFORM TO ASTM A951/A951M-11. PROVIDE CONTINUOUS LADDER TYPE JOINT REINFORCEMENT EVERY SECOND COURSE AND ELSEWHERE AS INDICATED IN SPECIFICATIONS.
- .7 REINFORCE INTERIOR MASONRY PARTITION AND LOAD-BEARING WALLS WITH VERTICAL REINFORCING AS FOLLOWS UNO:  
1-15M AT 1200 C/C [4'-0"] MAX.  
1-15M AT CORNERS, ENDS & WALL INTERSECTIONS.  
1-15M EACH SIDE OF CONTROL JOINTS.  
2-15M AT WALL OPENINGS.
- .8 REINFORCE EXTERIOR MASONRY WALLS WITH VERTICAL REINFORCING AS FOLLOWS UNO:  
1-20M AT 1000 C/C [3'-3"] MAX.  
1-20M AT CORNERS, ENDS & WALL INTERSECTIONS.  
1-20M EACH SIDE OF CONTROL JOINTS.  
2-20M AT WALL OPENINGS.
- .9 REINFORCE MASONRY SHEAR WALL (MSW200, 200 NOMINAL THICKNESS) & ELEVATOR SHAFT WALL AS FOLLOWS UNO:  
1-15M@400 O/C MAX VERTICAL REINFORCEMENT.  
1-15M VERTICAL REINFORCEMENT AT CORNERS, ENDS & WALL INTERSECTIONS.  
1- STEEL LADDER TYPE HORIZONTAL REINFORCEMENT @ 200 O/C MAX.  
4.76mmØ LONGITUDINAL WIRE  
3.76mmØ [0.148" OR 9 GAUGE] CROSS WIRE  
1-15M VERT. EACH SIDE OF CONTROL JOINTS  
2-15M VERT. AT WALL OPENINGS.
- .10 MASONRY WALLS TO BE RUNNING BOND UNLESS NOTED OTHERWISE WITH FULL MORTAR BEDS.
- .11 VERTICAL REINFORCEMENT SHALL BE CONTINUOUS TO WITHIN 50mm [2"] OF TOP OF WALL.
- .12 PROVIDE DOWELS INTO SUPPORTING CONCRETE AT VERTICAL REINFORCING LOCATIONS AT SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT.
- .13 PROVIDE 400mm [1'-4"] DEEP BOND BEAMS AT THE TOPS OF ALL WALLS, AND THE BOTTOM OF INTERIOR PARTITION WALLS. USE SPECIAL 'BOND BEAM UNITS' TO PROVIDE CONTINUITY OF VERTICAL REINFORCING BARS. PROVIDE 2-15M CONTINUOUS TOP AND BOTTOM UNO LAP SPLICE 800mm [2'-8"] MIN.
- .14 LAP SPLICE MASONRY WALL REINFORCING AS FOLLOWS:

BAR SIZE	REQUIRED LAP
10M	300mm [1'-0"]
15M	650mm [2'-2"]
20M	1100mm [3'-7"]

- .15 INSTALL VERTICAL CONTROL JOINTS IN WALLS AT 9000 C/C [29'-6"] MAX. LOCATE JOINTS AT LATERAL SUPPORTS PROVIDED BY COLUMNS, PILASTERS, CORNERS AND INTERSECTING WALLS. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- .16 PROVIDE LINTELS AT DOOR OPENING HEADERS. USE MIN. 400mm [1'-4"] DEEP LINTEL BLOCKS FPR 2-COURSE LINTELS. ADD AN UPSIDE-DOWN BEAM BLOCK ON TOP FOR 3-COURSE LINTELS. REFER TO TYPICAL DETAIL M14.

TO BE READ IN CONJUNCTION WITH DRAWING: S1.03

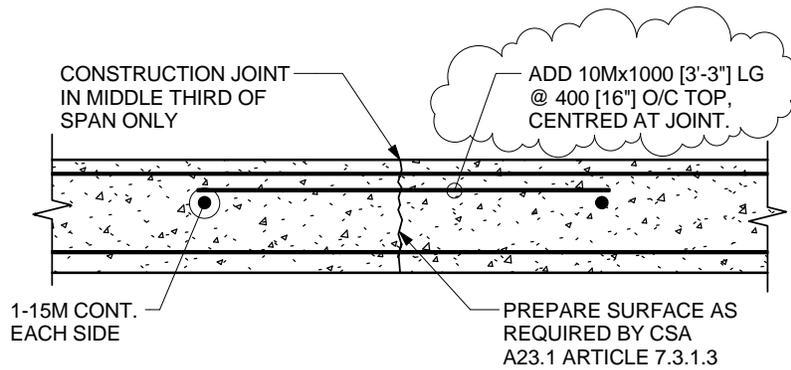


PROJECT NAME: PRINCIPAL ENTRANCE BUILDING  
PROJECT #: 09487T0200  
DRAWING TITLE: PART GENERAL NOTES  
DRAWING SCALE: 1 : 1

DRAWING #: SKS-002  
DRAWN BY: KAZ  
CHECKED BY: NM  
DATE: 11/12/13

# STRUCTURAL SLAB CONSTRUCTION JOINT DETAILS

CF05



NOTE:

EXTEND TOP AND BOTTOM REINFORCEMENT THROUGH JOINT FOR THE FULL LENGTH SHOWN ON PLAN OR IN STANDARD DETAILS.

TO BE READ IN CONJUNCTION WITH DRAWING: S1.05

**DIALOG**<sup>™</sup>

PROJECT NAME: PRINCIPAL ENTRANCE BUILDING

DRAWING #: SKS-003

PROJECT #: 09487T0200

DRAWN BY: KAZ

DRAWING TITLE: TYPICAL DETAIL

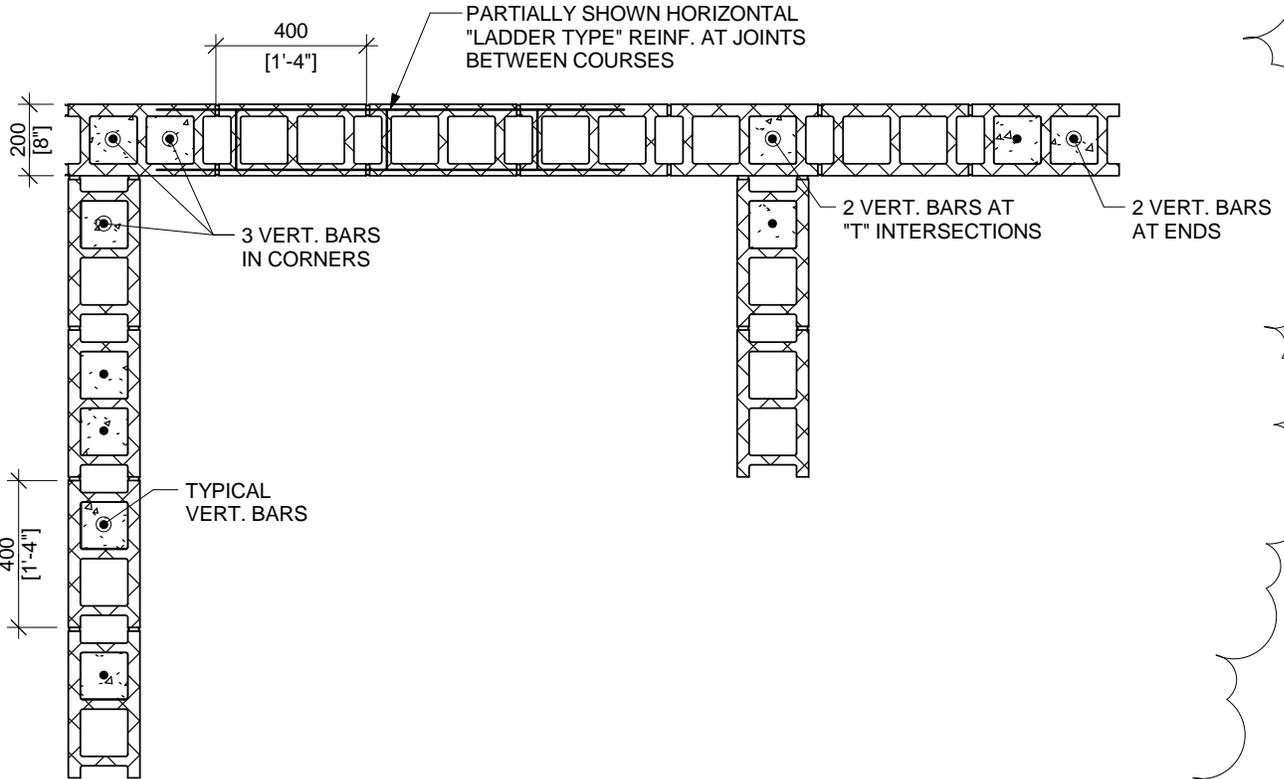
CHECKED BY: NM

DRAWING SCALE: 1 : 20

DATE: 11/12/13

# REINFORCED MASONRY WALLS

M08



## NOTES:

1. TIE ALL VERTICAL BARS IN BOTH DIRECTIONS TO HORIZONTAL REINF. IF ADDITIONAL HORIZONTAL TIES ARE REQUIRED, USE 6mm [1/4"] TIES AT 200 [8"] O/C.
2. LAP HORIZONTAL REINFORCEMENT 300 [12"] MIN.
3. AT MASONRY WALL INTERSECTIONS, ALTERNATE PERPENDICULAR COURSES.

TO BE READ IN CONJUNCTION WITH DRAWING: S1.10

**DIALOG**<sup>™</sup>

PROJECT NAME: PRINCIPAL ENTRANCE BUILDING

PROJECT #: 09487T0200

DRAWING TITLE: TYPICAL DETAIL

DRAWING SCALE: 1 : 20

DRAWING #: SKS-004

DRAWN BY: KAZ

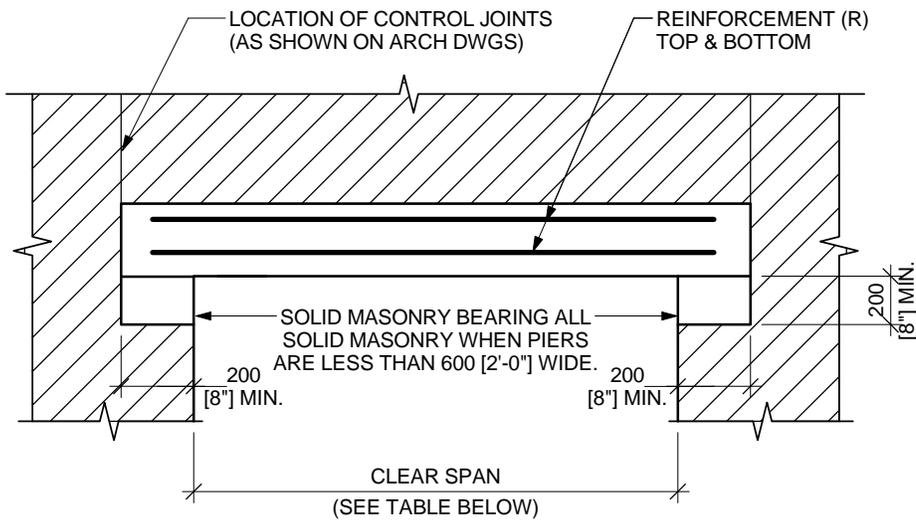
CHECKED BY: NM

DATE: 11/12/13

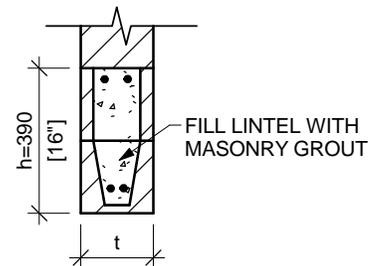
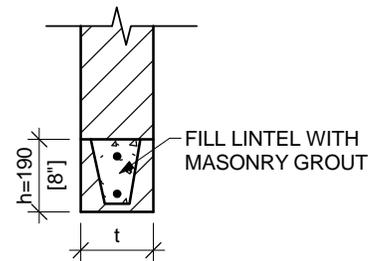
# REINFORCED BOND BEAM LINTELS FOR MASONRY WALLS (UNO)

M14<sub>R</sub>

CLEAR SPAN	140 [6"] BLOCK			190 [8"] BLOCK			240 [10"] BLOCK			290 [12"] BLOCK		
	t	h	R	t	h	R	t	h	R	t	h	R
UP TO 1200 [UP TO 4'-0"]	140 [6"]	190 [8"]	1-10M	190 [8"]	190 [8"]	2-10M	240 [10"]	190 [8"]	2-10M	290 [12"]	190 [8"]	2-10M
1200 TO 1800 [4'-0" TO 6'-0"]		390 [16"]	1-15M		390 [16"]	2-15M		390 [16"]	2-15M		390 [16"]	2-15M
1800 TO 2400 [6'-0" TO 8'-0"]		390 [16"]	1-15M		390 [16"]	2-15M		390 [16"]	2-15M		390 [16"]	2-15M
2400 TO 3000 [8'-0" TO 10'-0"]		390 [16"]	2-15M		390 [16"]	2-20M		390 [16"]	2-20M		390 [16"]	2-20M



**ELEVATION**



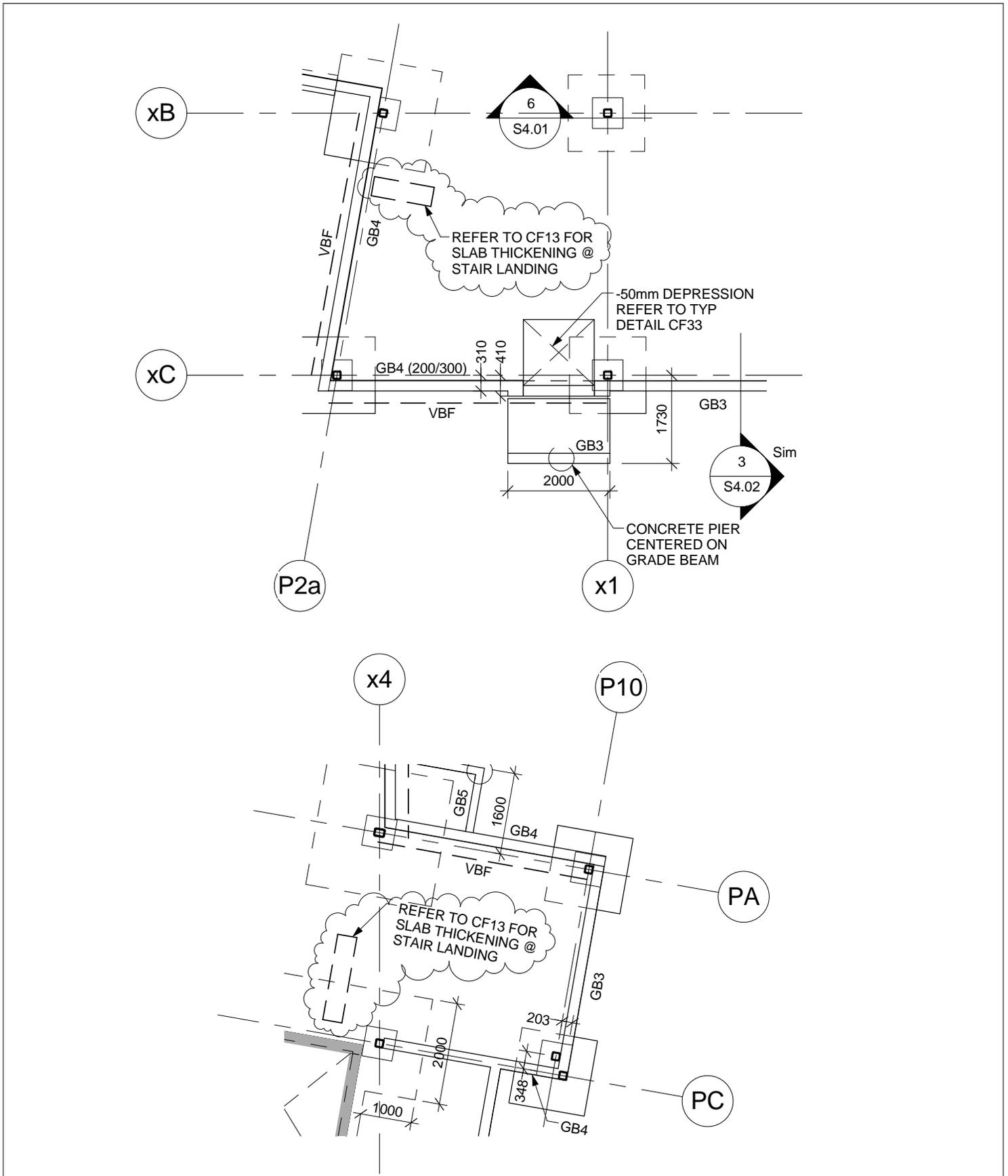
**SECTION**

TO BE READ IN CONJUNCTION WITH DRAWING: S1.08

**DIALOG**

PROJECT NAME: PRINCIPAL ENTRANCE BUILDING  
 PROJECT #: 09487T0200  
 DRAWING TITLE: TYPICAL DETAIL  
 DRAWING SCALE: 1 : 20

DRAWING #: SKS-005  
 DRAWN BY: KAZ  
 CHECKED BY: NM  
 DATE: 11/12/13

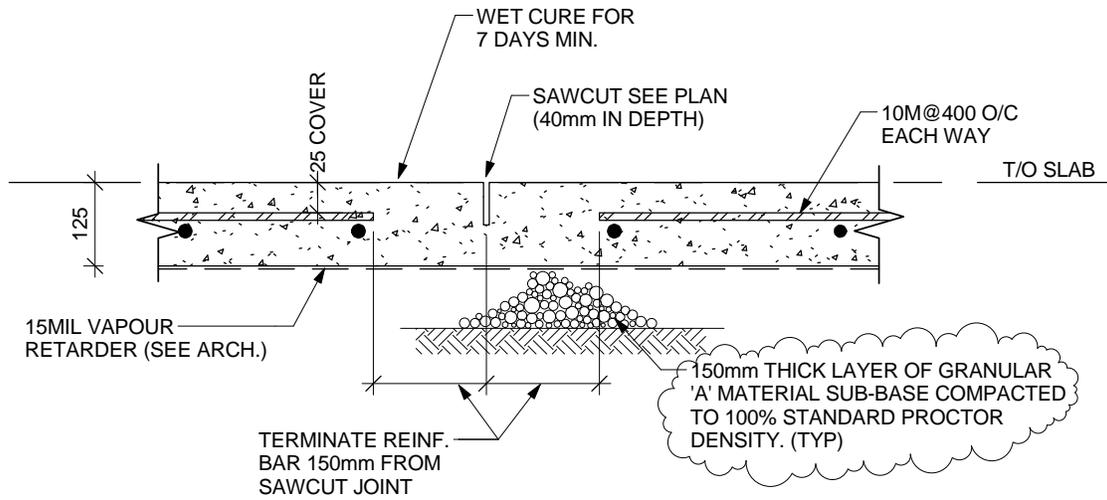
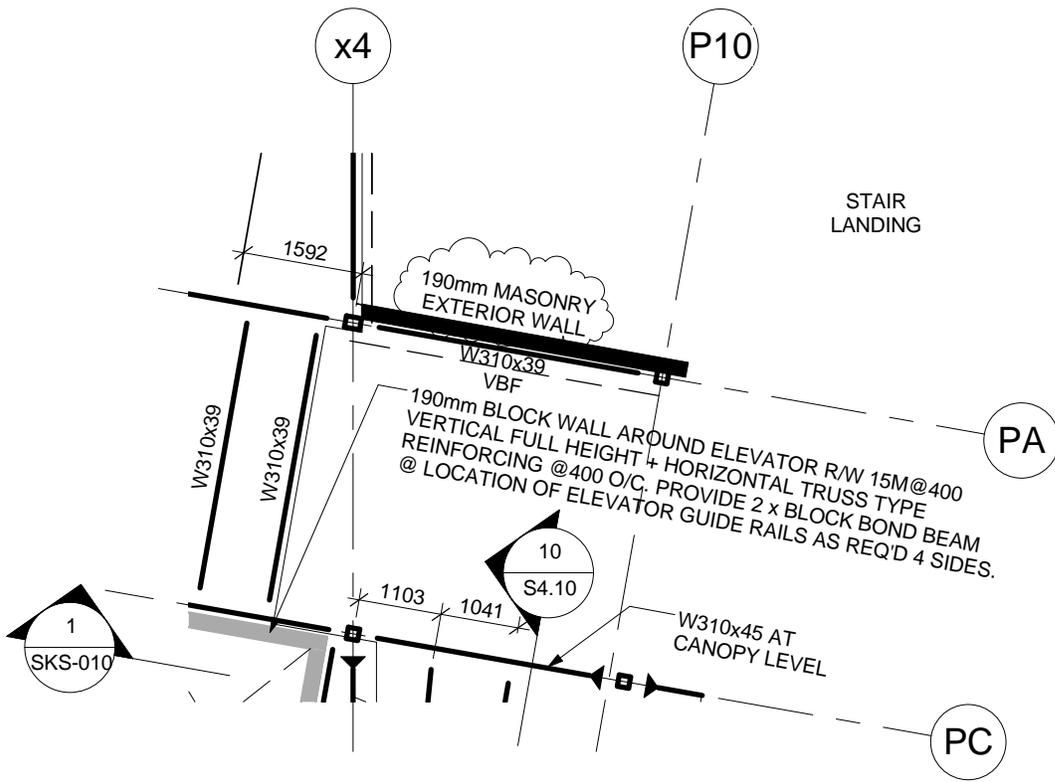


TO BE READ IN CONJUNCTION WITH DRAWING: S2.01

**DIALOG**

PROJECT NAME: PRINCIPAL ENTRANCE BUILDING  
 PROJECT #: 09487T0200  
 DRAWING TITLE: PART FOUNDATION PLAN  
 DRAWING SCALE: 1 : 100

DRAWING #: SKS-006  
 DRAWN BY: KAZ  
 CHECKED BY: NM  
 DATE: 11/12/13



TO BE READ IN CONJUNCTION WITH DRAWING: S2.02, 4/S4.03

**DIALOG**

PROJECT NAME: PRINCIPAL ENTRANCE BUILDING  
 PROJECT #: 09487T0200  
 DRAWING TITLE: PART SECOND FLOOR FRAMING PLAN & SECTION  
 DRAWING SCALE: As indicated

DRAWING #: SKS-007  
 DRAWN BY: KAZ  
 CHECKED BY: NM  
 DATE: 11/12/13

## COLUMN SCHEDULE

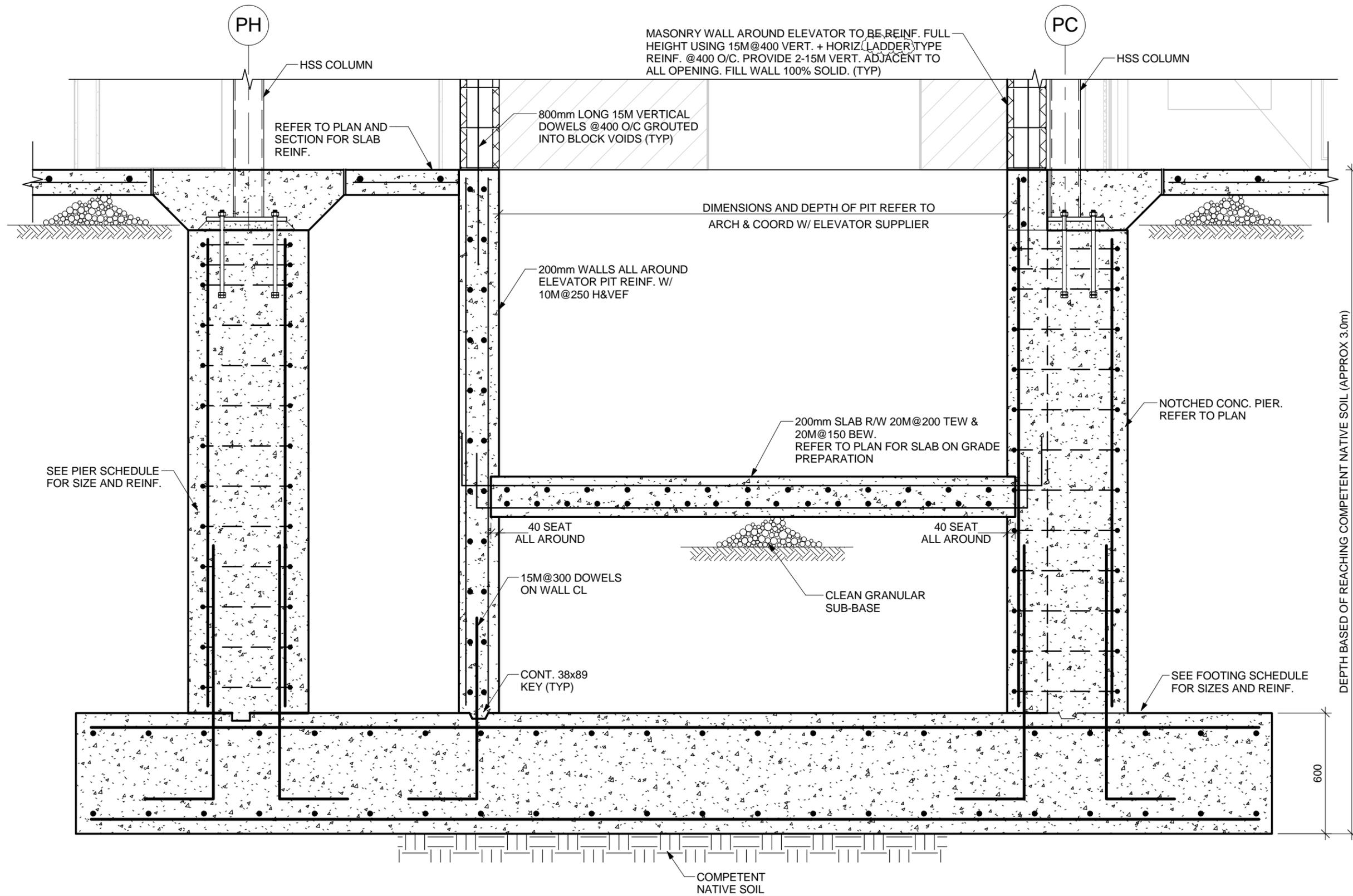
PB-P4	PB-P5	PB-P6a	PC-P8	PC-x4	PC - P10 Offset	PC Offset - P10	PD-P6a	PF-P1
 HSS152x152x13.0	 HSS152x152x9.5	 HSS152x152x9.5	 HSS152x152x9.5	 HSS152x152x13.0	 HSS152x152x13.0 HOT DIP GALV.	 HSS152x152x8.0 STAIR LANDING POST T.O.S.=±2300	 HSS152x152x8.0	 HSS127x127x8.0
			ORIENT BPL TO CLEAR ELEVATOR PIT OPENING					
1	1	1	1P	1	3CV	3CV	1V	1PV
P1	P1	P2	P2	P1	P3	P3	P2	P2
F2	F2	COMBINED FOOTING SEE PLAN	COMBINED FOOTING SEE PLAN	COMBINED FOOTING SEE PLAN	F2	F2	COMBINED FOOTING SEE PLAN	F2B

TO BE READ IN CONJUNCTION WITH DRAWING: S3.01

**DIALOG™**

PROJECT NAME: PRINCIPAL ENTRANCE BUILDING  
 PROJECT #: 09487T0200  
 DRAWING TITLE: PART COLUMN SCHEDULES  
 DRAWING SCALE: 1 : 1

DRAWING #: SKS-008  
 DRAWN BY: KAZ  
 CHECKED BY: NM  
 DATE: 11/12/13

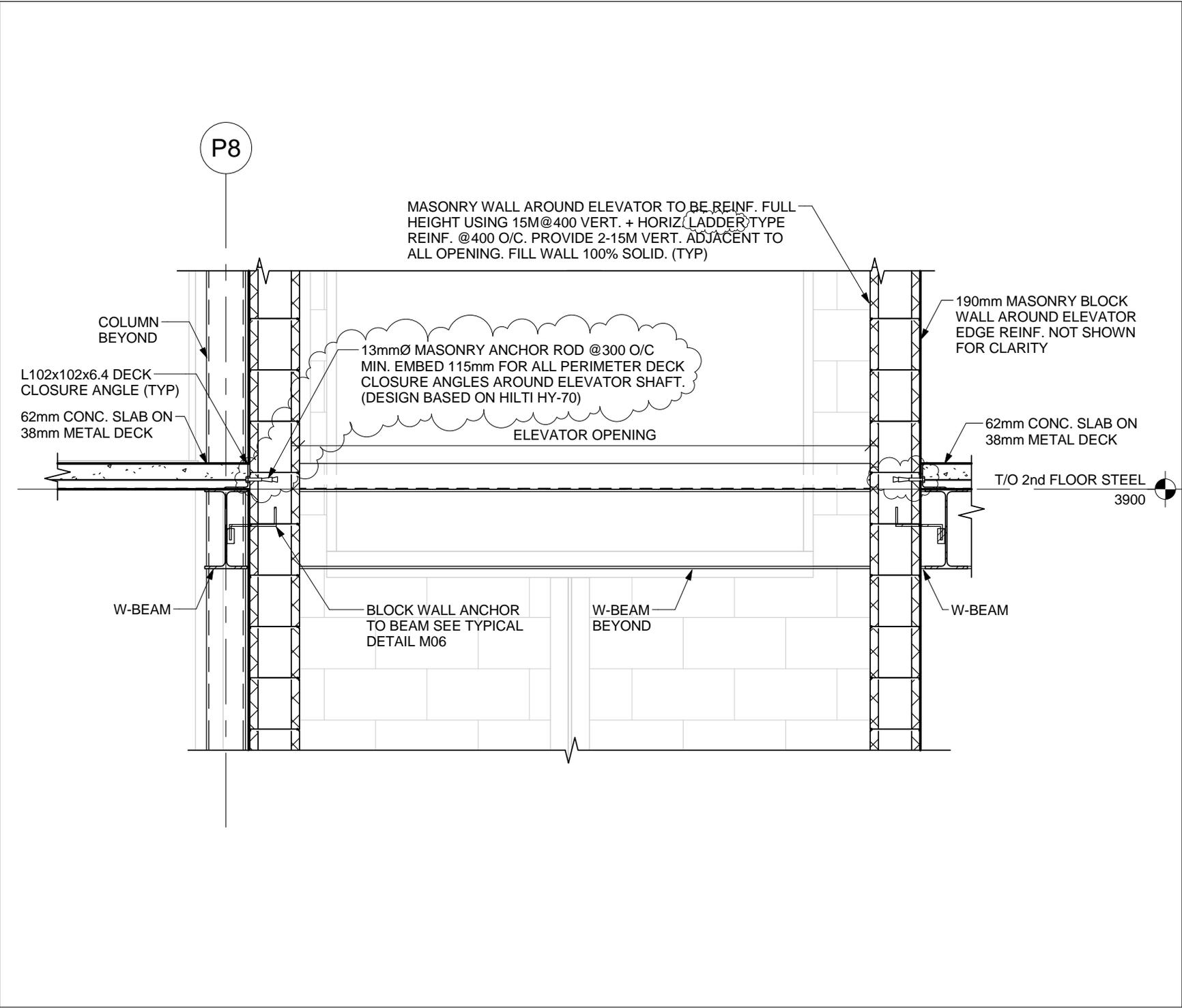


TO BE READ IN CONJUNCTION WITH DRAWING: S4.02

PROJECT NAME: PRINCIPAL ENTRANCE BUILDING  
 PROJECT #: 09487T0200  
 DRAWING TITLE: FOUNDATION SECTION

**DIALOG**<sup>TM</sup>

DRAWING #: SKS-009  
 DRAWN BY: KAZ  
 CHECKED BY: NM  
 DATE: 11/12/13



TO BE READ IN CONJUNCTION WITH DRAWING: 4/S4.11

**DIALOG**

PROJECT NAME: PRINCIPAL ENTRANCE BUILDING  
 PROJECT #: 09487T0200  
 DRAWING TITLE: SECTION  
 DRAWING SCALE: 1 : 20

DRAWING #: SKS-010  
 DRAWN BY: KAZ  
 CHECKED BY: NM  
 DATE: 11/12/13