# City of Portland, Oregon - Bureau of Development Services

1900 SW Fourth Avenue · Portland, Oregon 97201 | 503-823-7300 | www.portlandoregon.gov/bds

## Permit Revision Submittal Requirements and Application

A Permit Revision is required when there are proposed changes to the project after the permit has been issued. This may arise due to discrepancies between the city-approved permit drawings and actual field conditions, or the customer has changed their mind about an aspect of the project. In all cases, a revision to the existing permit must be submitted, reviewed and approved.

### Applicants will provide:

- [x] A copy of this application
- [x] Three (3) sets of plans that clearly reflect the proposed change(s).
  Drawings and calculations must be stamped and signed by the Architect and/or the Engineer of Record, if applicable.
- [x] One (1) copy of the original city approved permit drawings. (NOTE: If your project has an assigned process manager please contact them regarding submittal of the revision).
- [x] Two (2) sets of calculations, if applicable
- [ ] Inspector's correction notice, if revision is due to an inspection correction
- [x] Revision fee (paid at time of submittal)

### Contact Information:

**Contact name** David Rodeback Architect LLC

**Address** 1711 SE 10th Ave #201

**City** Portland **State** OR **Zip Code** 97214

**Phone** 503-502-5490 **Email** david@dlrarch.com

**Value of proposed revision** $7,600 **Issued permit #** 16-266113 CO

**Job site address** 6040 SE Belmont St, Portland OR 97215

**Description of revision** Additional details added at replacement non-load bearing exterior walls at Lobby Foyer. Proposed suspending ceiling and infill wall above existing partition removed from scope.

### Fees:

The Permit Revisions are subject to fees associated with plan review, processing and any increase in project value. Additional fees may apply if adding plumbing fixtures.

The Bureau of Development Services fee schedule is available under the fees tab on the BDS web site at: *www.portlandoregon.gov/bds*. Fees are updated annually on July 1st.

### Helpful Information:

**Bureau of Development Services**
City of Portland, Oregon
1900 SW 4th Avenue, Portland, OR 97201
www.portlandoregon.gov/bds

**Submit your plans in person to:**

Development Services Center (DSC), First Floor,
For Hours Call 503-823-7310

### Important Telephone Numbers:

| | |
|---|---|
| BDS main number | 503-823-7300 |
| DSC automated information line | 503-823-7310 |
| Building code information | 503-823-1456 |
| BDS 24 hour inspection request line | 503-823-7000 |
| Residential information for one and two family dwelling | 503-823-7388 |
| General Permit Processing and Fee Estimate info | 503-823-7357 |
| City of Portland TTY | 503-823-6868 |

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16-266113-REV-01-CO 2

# STRUCTURAL DOCUMENTS

Project:

Allstructure #
16308.00

**Belmont Lobby**
**Supplemental Calculation**
**Exterior Wall design**

Portland, Oregon

March 30, 2017

**TABLE OF CONTENTS:**



**NOTES:**

Allstructure Engineering LLC was retained in a limited capacity for this project and is responsible only for the items described in these documents.

The attached calculations are not meant to stand alone, but are meant to supplement and/or supersede calculations previously submitted by Allstructure Engineering for this project. The scope for this package is limited to the design of the new exterior/ non-load bearing wall as shown on the attached sheets.


**Expires:** 6/30/17

**PROJECT INFORMATION:**

**Name:** Belmont Building – North Tower
Lobby Tenant Improvement

**Location:** 6050 SE Belmont St
Portland, Oregon

**Code:** 2014 Oregon Structural Specialty Code
ASCE7-10 Minimum Design Loads for Buildings and Other Structures

**Scope:** * The attached calculations for the lateral and gravity design of planned new ceiling and wall construction for the tenant improvement at the above referenced address. The scope of work is limited to the new ceiling in the lobby and infill wall framing above an existing partition wall. This new framing extends the non-load bearing partition from the ceiling to the underside of the floor above.

| | |
|---|---|
| Roof Snow: | n/a |
| Floor Live: | n/a |
| Wind: | 5 psf (ASD interior wind pressure) |
| Seismic: | Design Category D |
| Sds: | 0.72 |
| Importance Factor: | 1.00 |
| Rp: | 2.5 |
| ap: | 1.0 |

REVISED FOR EXTERIOR WALL.

WIND: 120 MPH, EXP. B

* Revised scope for these calculations is limited to the new non-load bearing exterior wall shown on next sheet

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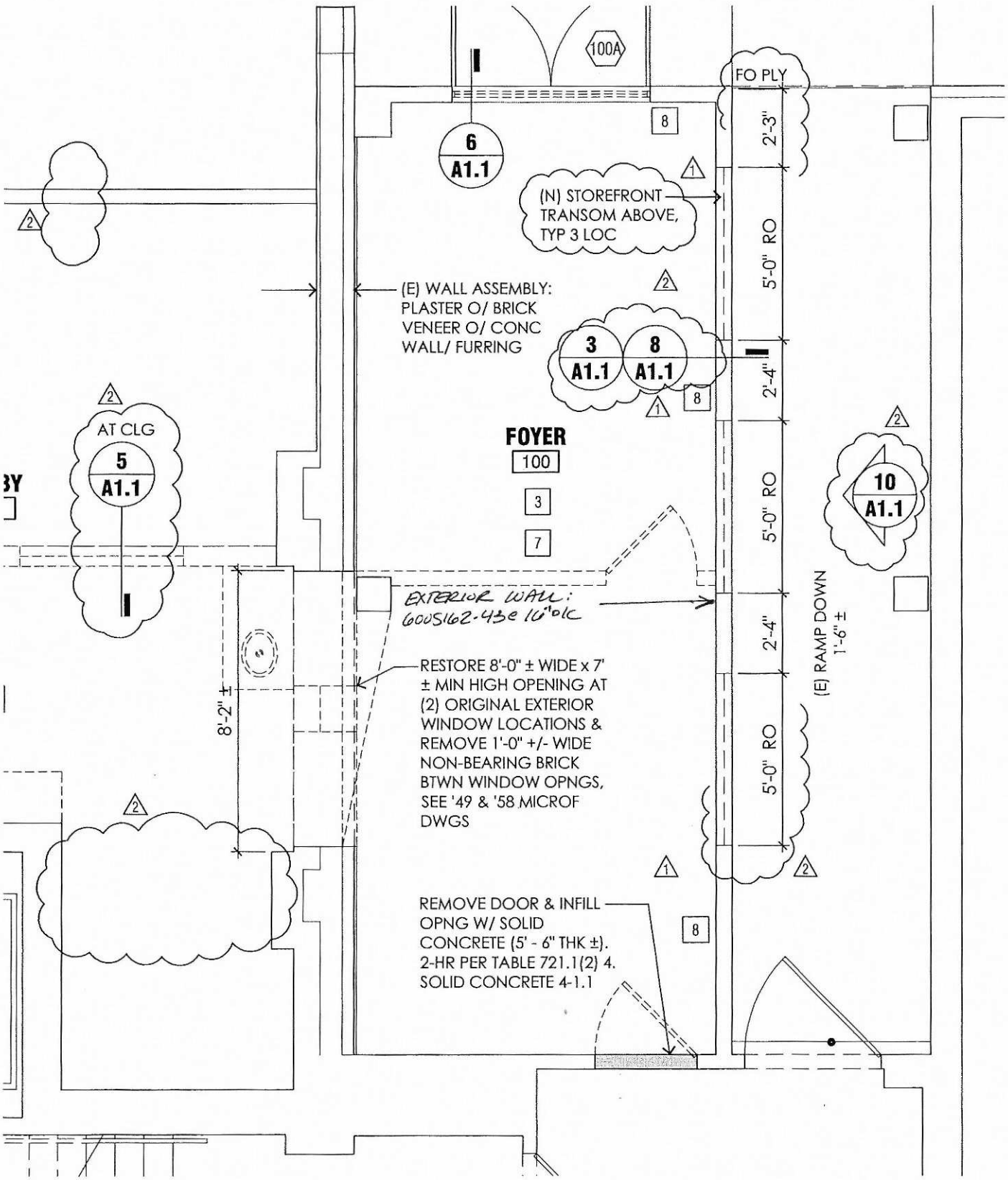
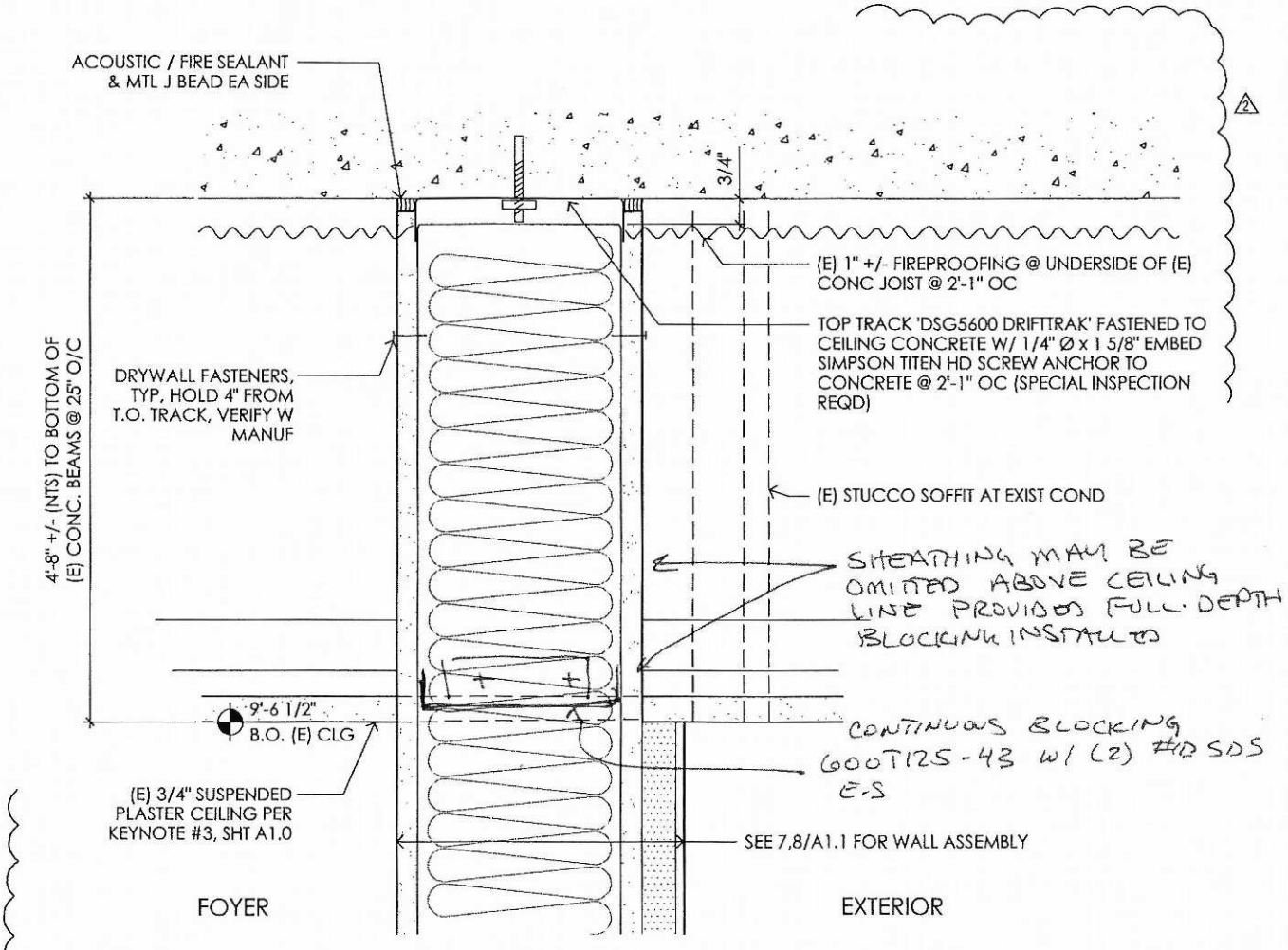
BELMONT LOBBY

BY _____ DATE _____
CHK BY _____ DATE _____
JOB NO 16308.00
SHEET 1 OF _____


100A
FO PLY
6
A1.1
8
1
(N) STOREFRONT TRANSOM ABOVE, TYP 3 LOC
2'-3"
5'-0" RO
(E) WALL ASSEMBLY: PLASTER O/ BRICK VENEER O/ CONC WALL/ FURRING
2
3
A1.1
8
A1.1
2'-4"
AT CLG
5
A1.1
FOYER
100
3
7
10
A1.1
5'-0" RO
EXTERIOR WALL: 600S162-43e 16"o/c
2'-4"
(E) RAMP DOWN 1'-6" ±
RESTORE 8'-0" ± WIDE x 7' ± MIN HIGH OPENING AT (2) ORIGINAL EXTERIOR WINDOW LOCATIONS & REMOVE 1'-0" +/- WIDE NON-BEARING BRICK BTWN WINDOW OPNGS, SEE '49 & '58 MICROF DWGS
8'-2" ±
5'-0" RO
REMOVE DOOR & INFILL OPNG W/ SOLID CONCRETE (5' - 6" THK ±). 2-HR PER TABLE 721.1(2) 4. SOLID CONCRETE 4-1.1




## 3 / A1.1 — 1 HR PARTITION HEAD @ NON LOAD BEARING EXT WALL

3" = 1'-0"

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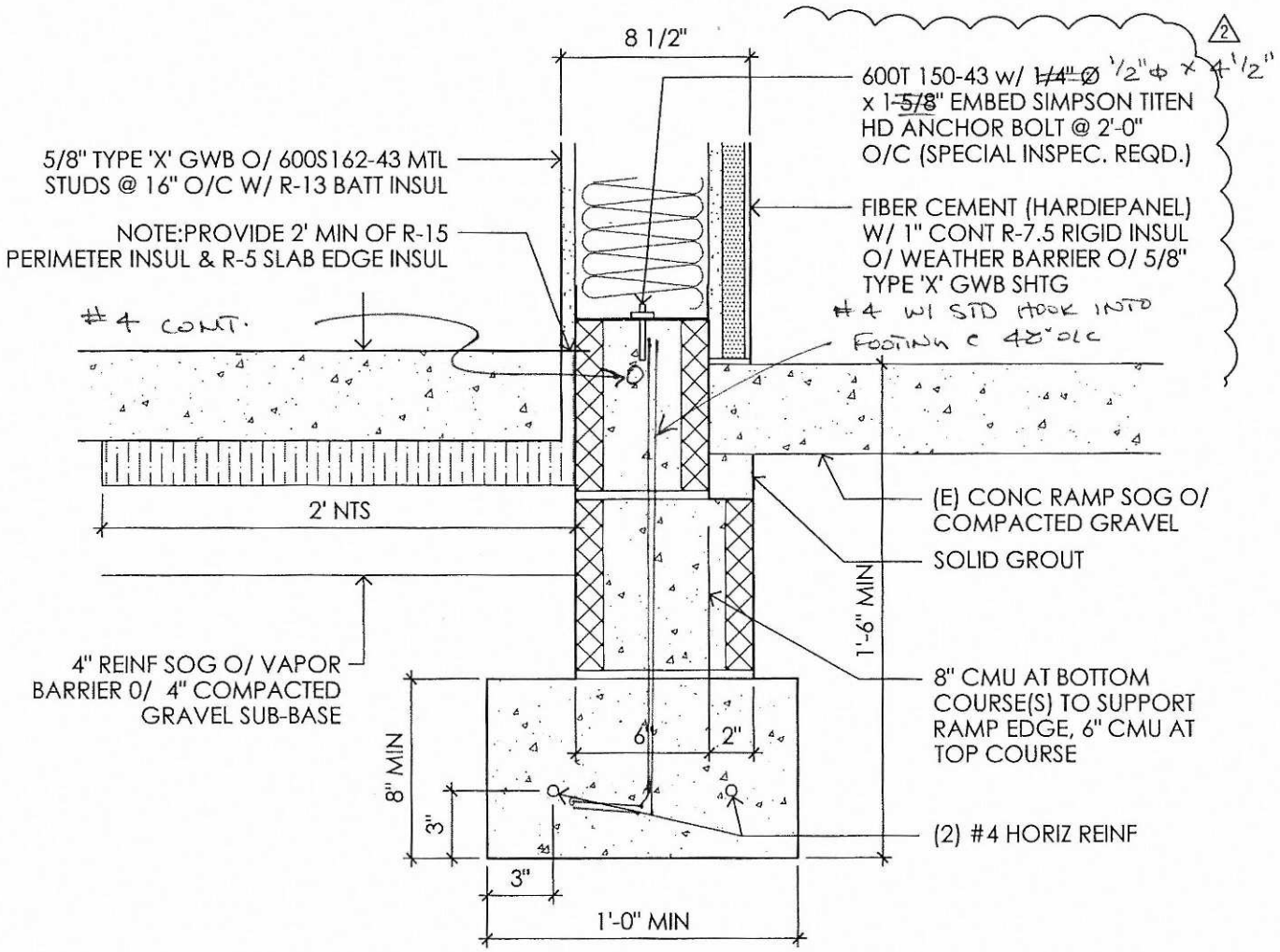
BELMONT LOBBY

BY _____ DATE _____

CHK BY _____ DATE _____

JOB NO _____

SHEET 3 OF _____




8 / A1.1

## FNDN AT NON-LOAD BEARING EXT WALL

1 1/2" = 1'-0"

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BELMONT LOBBY

BY ____ DATE ____
CHK BY ____ DATE ____
JOB NO ____
SHEET 4 OF ____

**TABLE 4—IBC AND IRC ALLOWABLE TENSION AND SHEAR LOADS FOR TITEN HD SCREW ANCHORS INSTALLED IN TOP OF GROUT-FILLED CMU MASONRY[1]**

| ANCHOR DIA. (in) | DRILL BIT DIA. (in) | MINIMUM EMBEDMENT DEPTH (in) | ANCHOR LOCATION[2] (in) | | | IBC AND IRC ALLOWABLE LOADS[3,4] (lbf) | | |
|---|---|---|---|---|---|---|---|---|
| | | | Minimum Edge Distance | Minimum End Distance | Minimum Spacing | Tension | Shear | |
| | | | | | | | Parallel to Edge of Masonry Wall | Perpendicular to Edge of Masonry Wall |
| 1/2 | 1/2 | 4 1/2 | 1 3/4 | 8 | 8 | 570 | 585 | 160 |
| 5/8 | 5/8 | 4 1/2 | 1 3/4 | 10 | 10 | 570 | 675 | 160 |

For **SI:** 1 inch = 25.4 mm, 1 pound = 4.45 N, 1 psi = 6.89 kPa.

[1]The allowable tension and shear loads in Table 4 are applicable when anchors are installed in structures regulated by the IRC or IBC.
[2]Minimum edge and end distances are measured from the anchor centerline to the edge and end of the CMU masonry wall, respectively. Refer to Figure 3 Minimum spacing is measured from center-to-center of two anchors. Anchors installed in the mortared head joint are outside the scope of this report.
[3]The allowable loads in Table 4 are for anchors resisting dead, live, wind, and earthquake load applications. For short-term loading due to wind and earthquake forces under 2006 and 2009 codes, the allowable loads may be adjusted in accordance with Section 5.3.
[4]Allowable tension and shear loads are based on a safety factor of 5.0.

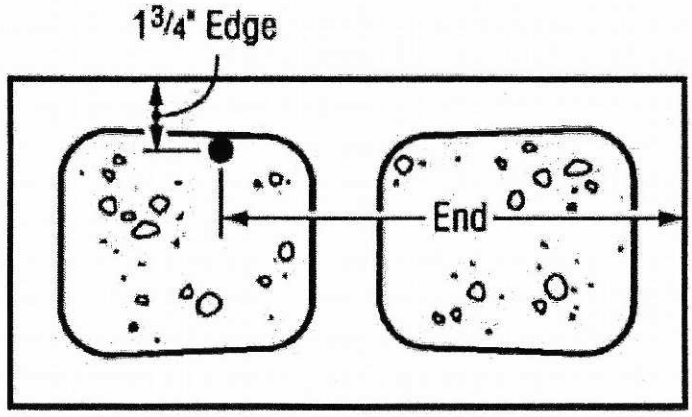


**FIGURE 3—EDGE AND END DISTANCES FOR THE TITEN HD ANCHOR INSTALLED IN THE TOP OF CMU MANSORY WALL CONSTRUCTION**

EXTERIOR WALL

WIND LOADING

EXTERIOR WALL PROTECTED BY ADJACENT WALL
USE WIND LOAD FOR STRUCTURAL STABILITY CONNECTION

FOR 120 MPH EXP. B
(REF FIGURE 30.5-1)

ZONE 4

$W = (1.10)(-26.4\ PSF) = 29.0\ PSF$ (ULTIMATE)
$W_{ASD} = (0.6)(29.0\ PSF) = 17.4\ PSF$

WALL STUDS @ 16" O/C
HT = 15'-4"
(SEE ATTACHED)

USE 600S162-43 @ 16" O/C

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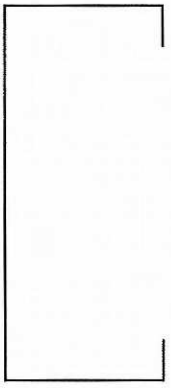
BY _____ DATE _____
CHK BY _____ DATE _____
JOB NO _____
SHEET 6 OF _____

# SCAFCO Steel Stud Mfg.

**2007 North American Specification [AISI S100] ASD**
**DATE: 3/16/2017**

**SECTION DESIGNATION: 600S162-43 [33] Single**



**Section Dimensions:**

| | |
|---|---|
| Web Height = | 6.000 in |
| Top Flange = | 1.625 in |
| Bottom Flange = | 1.625 in |
| Stiffening Lip = | 0.500 in |
| Inside Corner Radius = | 0.0712 in |
| Punchout Width = | 1.500 in |
| Punchout Length = | 4.000 in |
| Design Thickness = | 0.0451 in |

**Steel Properties:**

| | |
|---|---|
| Fy = | 33.000 ksi |
| Fu = | 45.000 ksi |
| Fya = | 36.303 ksi |

## ALLOWABLE WALL HEIGHTS

**INPUT PARAMATERS** ← FULLY SHEATHED

Nominal Load = 18.0 psf
Include Torsion? No
Load Multiplier for Strength Checks = 1.00
Deflection Limit = L/120
Wind Load Multiplier for Deflection = 1.00 ← NO WIND LOAD MULTIPLIER
Bearing Lengths for Web Crippling:
End Condition = 1.0 in
Shear and Web Crippling Capacity Based on Unpunched Webs

K-phi for Distortional Buckling = 0.00 lb*in/in
Include Torsion? No

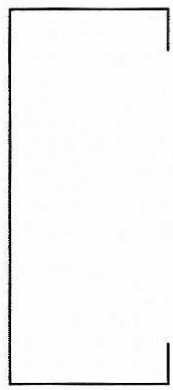
**ALLOWABLE SPANS - SIMPLE SPAN**

| STUD SPACING | MECHANICAL BRACING AT: NONE | MID Pt | THIRD Pt |
|---|---|---|---|
| 12.0 in | 12' 3" | 17' 9" | 19' 10" |
| 16.0 in | 11' 4" | 16' 4" | 18' 0" |
| 24.0 in | 10' 3" | 14' 4" | 14' 4" |

**ClarkWestern** Building Systems
CW Tech Support: (888) 437-3244
clarkwestern.com

2007 North American Specification ASD
DATE: 3/30/2017

**SECTION DESIGNATION: 600S162-43 [33] Single**



**Section Dimensions:**

| | |
|---|---|
| Web Height = | 6.000 in |
| Top Flange = | 1.625 in |
| Bottom Flange = | 1.625 in |
| Stiffening Lip = | 0.500 in |
| Inside Corner Radius = | 0.0712 in |
| Punchout Width = | 1.500 in |
| Punchout Length = | 4.000 in |
| Design Thickness = | 0.0451 in |

**Steel Properties:**

| | |
|---|---|
| Fy = | 33.000 ksi |
| Fu = | 45.000 ksi |
| Fya = | 36.303 ksi |

## ALLOWABLE WALL HEIGHTS

**INPUT PARAMATERS**

Nominal Load = 18.0 psf
Include Torsion? No
Load Multiplier for Strength Checks = 1.00
Deflection Limit = L/120
Wind Load Multiplier for Deflection = 0.70
Bearing Lengths for Web Crippling:
End Condition = 1.0 in
Shear and Web Crippling Capacity Based on Unpunched Webs

K-phi for Distortional Buckling = 0.00 lb*in/in
Include Torsion? No

**ALLOWABLE SPANS - SIMPLE SPAN**

← MECHANICALLY BRACED @ 48"o/c

| STUD SPACING | MECHANICAL BRACING AT: 24 in | 48 in | 48 in |
|---|---|---|---|
| 12.0 in | 22' 4" | 22' 4" | 22' 4" |
| 16.0 in | 19' 4" | 19' 4" | 19' 4" |
| 24.0 in | 14' 4" | 14' 4" | 14' 4" |

EXTERIOR WALL

USE DSL05400. (DRIFT TRAK)

ASD $R_{TOP} = 17.4 psf \cdot \frac{16}{12} \times \frac{15.5}{2} = 180^{\#}/SWD$

ULTM $R_{TOP} = 29.0 psf \cdot \frac{16}{12} \times \frac{15.5}{2} = 300^{\#}/SWD$

FASTEN DRIFT TRAK TO CONCRETE FLOOR ABOVE W/ 1/4" ϕ SIMPSON TITEN HD SCREW ANCHOR.

$V_{ULT} = 772^{\#}$ / TITEN

SPACING = $\frac{772^{\#}}{300} = 2.57$ - USE FASTENERS @ 24" o/c TOP & BTM

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BY____ DATE____

CHK BY____ DATE____

JOB NO____

SIMPSON Strong-Tie

Anchor Designer™ Software
Version 2.4.6025.291

| | | | |
|---|---|---|---|
| Company: | Allstructure Engineering | Date: | 3/16/2017 |
| Engineer: | Ryan Hardie | Page: | 1/4 |
| Project: | | | |
| Address: | | | |
| Phone: | | | |
| E-mail: | | | |

## 1.Project information

Customer company:
Customer contact name:
Customer e-mail:
Comment:

Project description:
Location:
Fastening description:

## 2. Input Data & Anchor Parameters

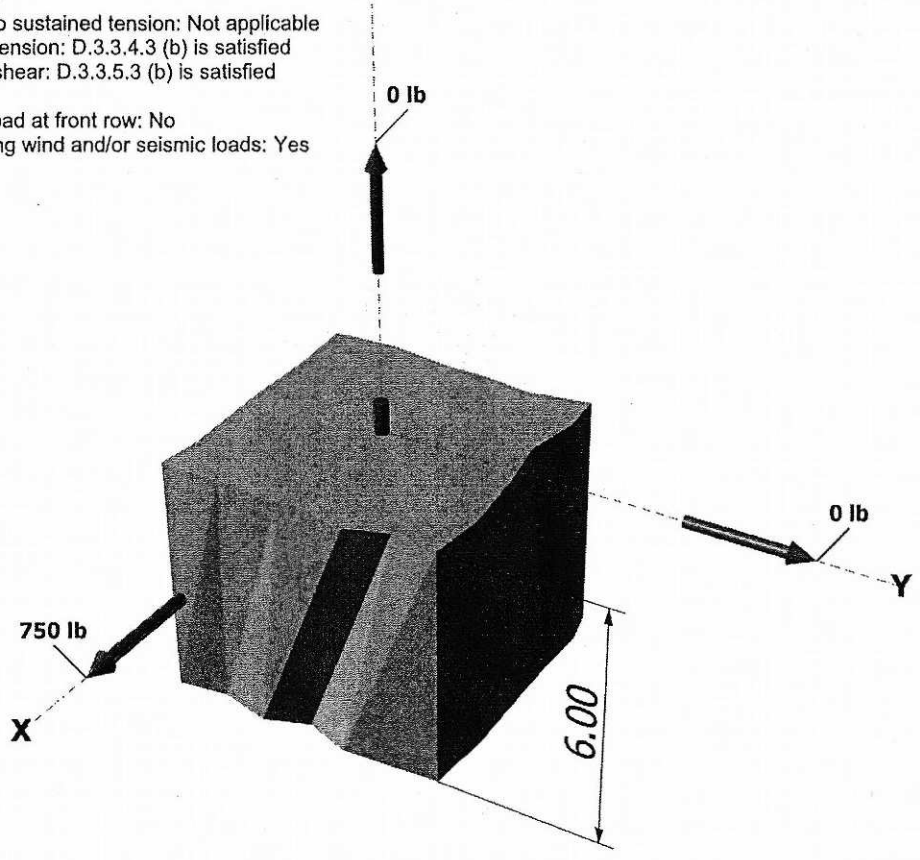
**General**
Design method:ACI 318-11
Units: Imperial units

**Anchor Information:**
Anchor type: Concrete screw
Material: Carbon Steel
Diameter (inch): 0.250
Nominal Embedment depth (inch): 1.625
Effective Embedment depth, $h_{ef}$ (inch): 1.190
Code report: ICC-ES ESR-2713
Anchor category: 1
Anchor ductility: No
$h_{min}$ (inch): 3.25
$c_{ac}$ (inch): 3.00
$C_{min}$ (inch): 1.50
$S_{min}$ (inch): 1.50

**Load and Geometry**
Load factor source: ACI 318 Section 9.2
Load combination: not set
Seismic design: Yes
Anchors subjected to sustained tension: Not applicable
Ductility section for tension: D.3.3.4.3 (b) is satisfied
Ductility section for shear: D.3.3.5.3 (b) is satisfied
$\Omega_0$ factor: not set
Apply entire shear load at front row: No
Anchors only resisting wind and/or seismic loads: Yes

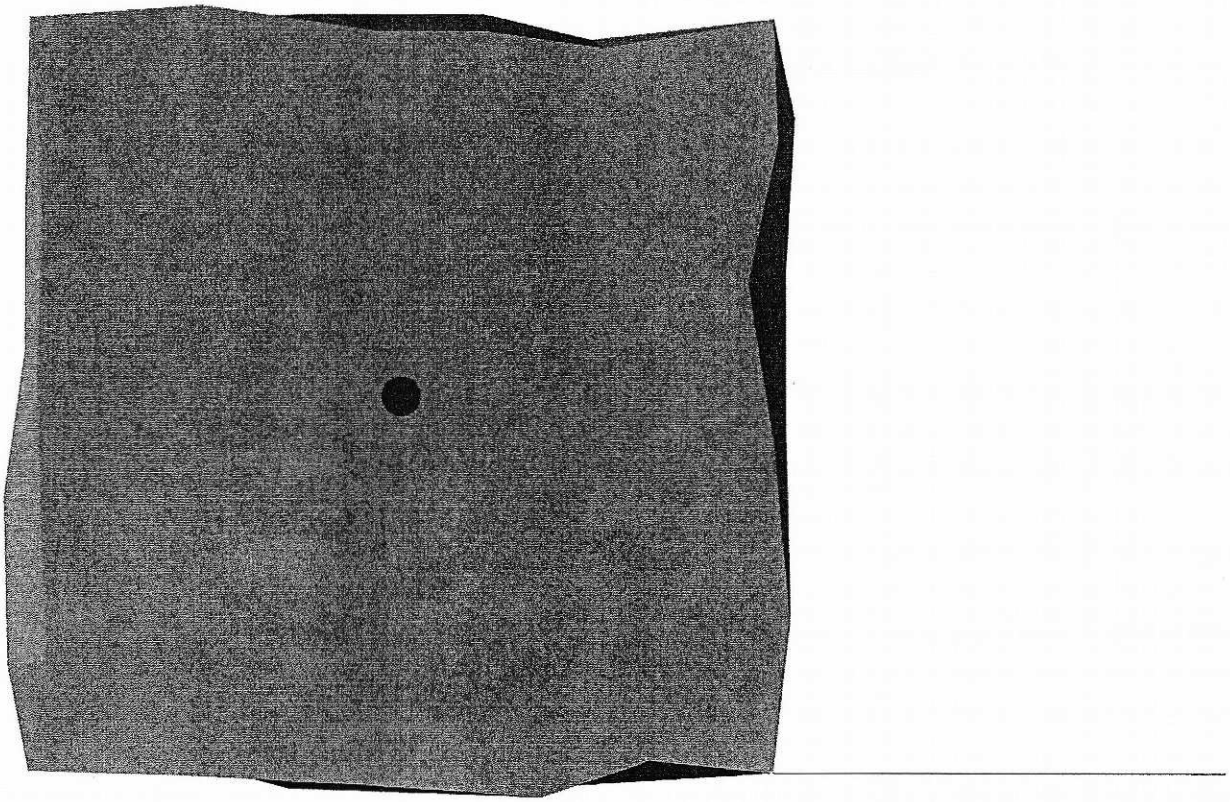
**Base Material**
Concrete: Normal-weight
Concrete thickness, h (inch): 6.00
State: Cracked
Compressive strength, $f'_c$ (psi): 2500
$\Psi_{c,V}$: 1.0
Reinforcement condition: A tension, A shear
Supplemental reinforcement: Not applicable
Reinforcement provided at corners: No
Do not evaluate concrete breakout in tension: No
Do not evaluate concrete breakout in shear: No
Ignore 6do requirement: Not applicable
Build-up grout pad: No

<Figure 1>

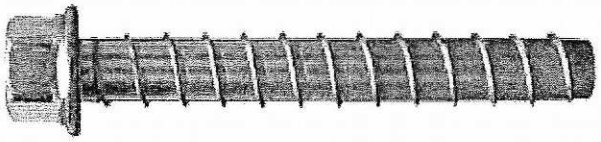


| | | | |
|---|---|---|---|
| Company: | Allstructure Engineering | Date: | 3/16/2017 |
| Engineer: | Ryan Hardie | Page: | 2/4 |
| Project: | | | |
| Address: | | | |
| Phone: | | | |
| E-mail: | | | |

<Figure 2>



**Recommended Anchor**
Anchor Name: Titen HD® - 1/4"Ø Titen HD, hnom:1.625" (41mm)
Code Report: ICC-ES ESR-2713



**3. Resulting Anchor Forces**

| Anchor | Tension load, $N_{ua}$ (lb) | Shear load x, $V_{uax}$ (lb) | Shear load y, $V_{uay}$ (lb) | Shear load combined, $\sqrt{(V_{uax})^2+(V_{uay})^2}$ (lb) |
|---|---|---|---|---|
| 1 | 0.0 | 750.0 | 0.0 | 750.0 |
| Sum | 0.0 | 750.0 | 0.0 | 750.0 |

Maximum concrete compression strain (‰): 0.00
Maximum concrete compression stress (psi): 0
Resultant tension force (lb): 0
Resultant compression force (lb): 0
Eccentricity of resultant tension forces in x-axis, $e'_{Nx}$ (inch): 0.00
Eccentricity of resultant tension forces in y-axis, $e'_{Ny}$ (inch): 0.00
Eccentricity of resultant shear forces in x-axis, $e'_{Vx}$ (inch): 0.00
Eccentricity of resultant shear forces in y-axis, $e'_{Vy}$ (inch): 0.00

**8. Steel Strength of Anchor in Shear (Sec. D.6.1)**

| $V_{sa}$ (lb) | $\phi_{grout}$ | $\phi$ | $\phi_{grout}\phi V_{sa}$ (lb) |
|---|---|---|---|
| 1695 | 1.0 | 0.60 | 1017 |

**10. Concrete Pryout Strength of Anchor in Shear (Sec. D.6.3)**

$\phi V_{cp} = \phi k_{cp} N_{cb} = \phi k_{cp}(A_{Nc}/A_{Nco})\Psi_{ed,N}\Psi_{c,N}\Psi_{cp,N}N_b$ (Eq. D-40)

| $k_{cp}$ | $A_{Nc}$ (in²) | $A_{Nco}$ (in²) | $\Psi_{ed,N}$ | $\Psi_{c,N}$ | $\Psi_{cp,N}$ | $N_b$ (lb) | $\phi$ | $\phi V_{cp}$ (lb) |
|---|---|---|---|---|---|---|---|---|
| 1.0 | 12.74 | 12.74 | 1.000 | 1.000 | 1.000 | 1103 | 0.70 | 772 |

**11. Results**

**Interaction of Tensile and Shear Forces (Sec. D.7)**

| Shear | Factored Load, $V_{ua}$ (lb) | Design Strength, $\phi V_n$ (lb) | Ratio | Status |
|---|---|---|---|---|
| Steel | 750 | 1017 | 0.74 | Pass |
| **Pryout** | **750** | **772** | **0.97** | **Pass (Governs)** |

**1/4"Ø Titen HD, hnom:1.625" (41mm) meets the selected design criteria.**

## 12. Warnings

- Minimum spacing and edge distance requirement of 6da per ACI 318 Sections D.8.1 and D.8.2 for torqued cast-in-place anchor is waived per designer option.

- Per designer input, ductility requirements for tension have been determined to be satisfied – designer to verify.

- Per designer input, ductility requirements for shear have been determined to be satisfied – designer to verify.

- Designer must exercise own judgement to determine if this design is suitable.

- Refer to manufacturer's product literature for hole cleaning and installation instructions.

**TABLE 1— VERTICLIP®, DRIFTCLIP® AND DRIFTTRAK® ALLOWABLE STRESS DESIGN (ASD), LOAD RESISTANCE FACTOR DESIGN (LRFD) STRENGTH, AND DEFLECTION SERVICE LIMIT LOADS [1,2,3,7]**

| MODEL | SCREWS TO STUD (Quantity) AND SIZE[4] | FIGURE | ASD ALLOWABLE STRENGTH[5] (lbs) | LRFD DESIGN STRENGTH[5] (lbs) | SERVICE LIMIT LOAD (lbs)[6] |
|---|---|---|---|---|---|
| **VertiClip** | | | | | |
| SL362 | (2) #12 | 1 | 790 | 1,700 | 790 |
| SL600 | (3) #12 | 1 | 1,680 | 2,690 | 3,440 |
| SL800 | (3) #12 | 1 | 1,870 | 2,990 | 4,570 |
| SLB600 | (3) #12 | 2 | 1,600 | 2,560 | 1,680 |
| SLS600–12 | (3) #12 | 3 | 2,070 | 3,315 | 3,240 |
| SLT–9.5 | (2) #12 | 4 | 510 | 820 | 1,280 |
| SLT(L)–18 | (4) #12 | 4 | 700 | 1,120 | 1,440 |
| SLD600 | (2) #8 | 5 | 405 | 650 | 1,170 |
| **DriftClip** | | | | | |
| DSLB362/400, 600, 800 | (2) #12 for DSLB362/400 (3) #12 for DSLB600, 800 | 6 | 572 | 916 | 735 |
| DSLS600-12 | (3) #12 | 7 | 1,742 | 2,787 | 2,084 |
| DSLS600-15 | (3) #12 | 7 | 1,903 | 3,044 | 2,958 |
| DSL362/400 | (2) #12 | 8 | 248 | 397 | 129 |
| DSL600 | (3) #12 | 8 | 776 | 1,241 | 418 |
| DSL800 | (3) #12 | 8 | 1,041 | 1,665 | 1,510 |
| DSLD362/400 | (2) #8 | 11 | 53 | 85 | 27 |
| DSLD600 | (2) #8 | 11 | 178 | 285 | 107 |
| DSLD800 | (2) #8 | 11 | 183 | 294 | 325 |
| **DriftTrak** | | | | | |
| DTSLB362/400, 600, 800 | (2) #12 for DSLB362/400 (3) #12for DSLB600, 800 | 9 | 808 | 1,293 | 1,304 |
| DTSL | (2) #12 | 10 | 482 | 771 | 492 |

For **SI:** 1 lbf = 4.45 N.

**Notes to Table 1:**

[1]Refer to Figures 1 through 11 for direction of load.

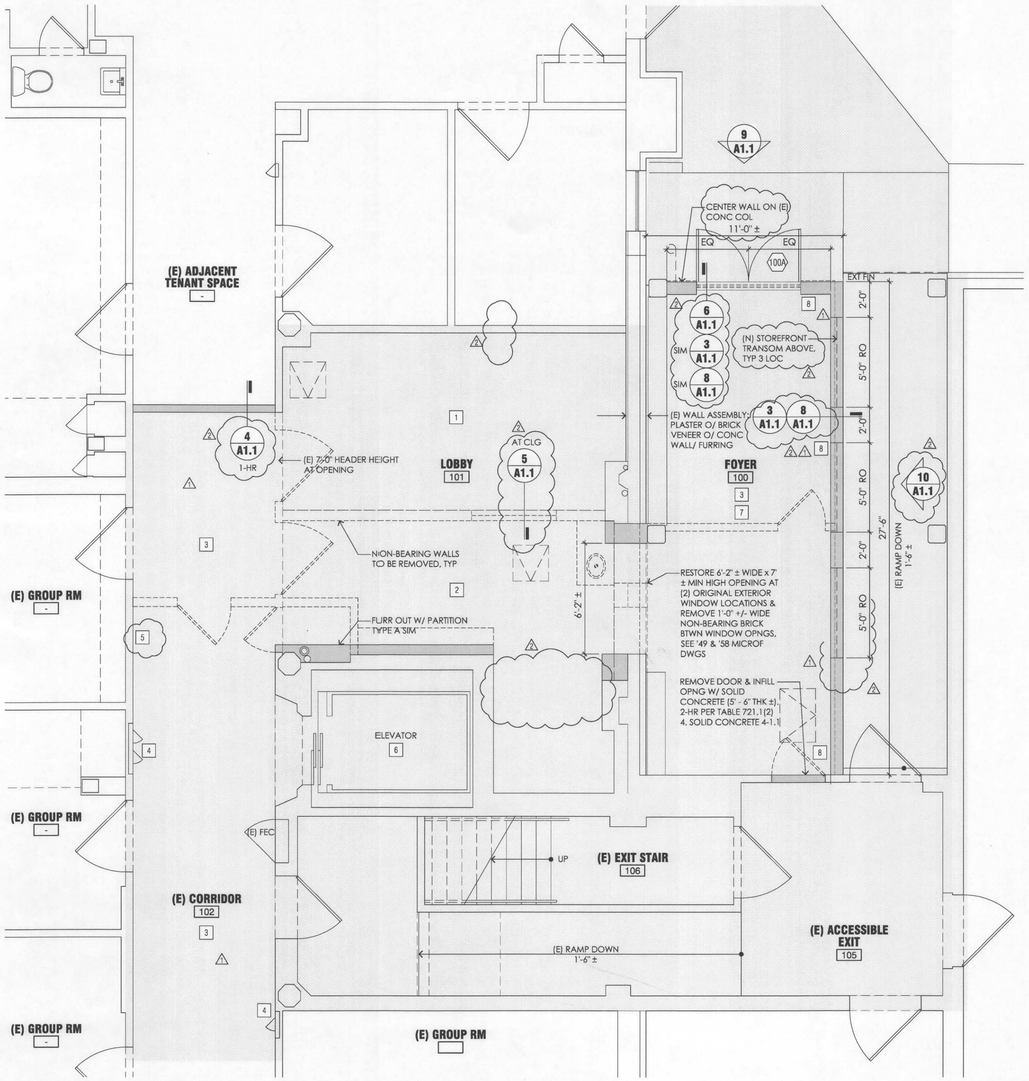
[2]Tabulated values are only applicable for the connection of the VertiClip®, DriftClip® and DriftTrak® connectors to the cold-formed steel stud. The connection of the VertiClip®, DriftClip® and DriftTrak® connectors to the supporting structure must have a design strength (LRFD) or allowable strength (ASD) not less than the design force for the connection to the cold-formed steel stud.

[3]If the steel studs connected to VertiClip®, DriftClip® and DriftTrak® connectors have lower base-metal thickness or material strength values than specified in Section 3.5.4, the ASD allowable strength or the LRFD design strength of the steel-stud/connector-screw connection may be calculated according to the AISI cold-formed steel specification referenced by the AISI S100-12 under the 2015 IBC, AISI S100-07/S-02 under the 2012 IBC or AISI S100-07 under the 2009 IBC, but not to exceed the corresponding loads listed in Table 1.

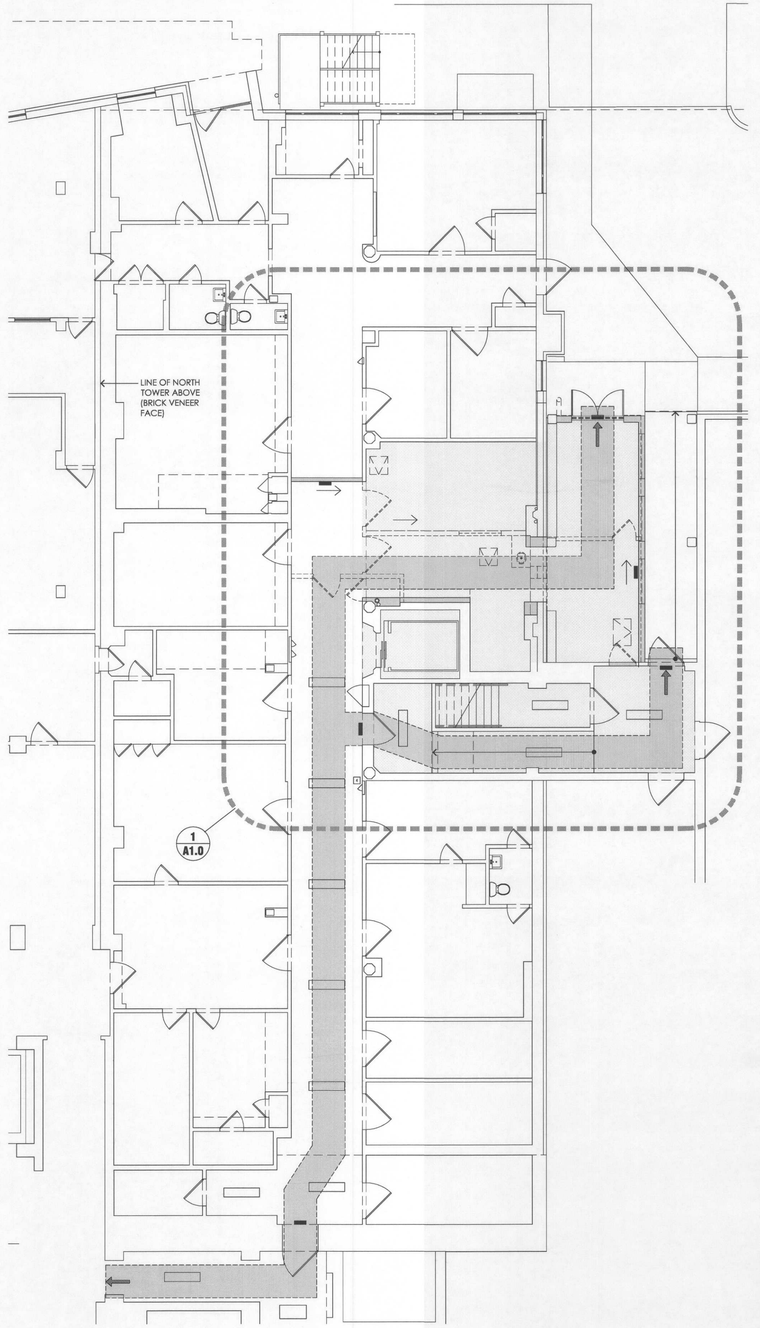
[4]Screws must comply with Section 3.5.3 of this report, and must be installed in the pre-punched holes and bushings provided in the connectors.

[5]When using the alternate basic load combinations in IBC Section 1605.3.2 that include wind or seismic loads, the tabulated ASD allowable strength for the DriftClip® and DriftTrak® connectors may not be increased by $33^1/_3$ percent, nor must the alternative basic load combinations be reduced by a factor of 0.75. When using the basic load combinations in accordance with IBC Section 1605.2.1, the LRFD design strength in Table 1 for the DriftClip® and DriftTrak® connectors must not be increased for wind or seismic loading.

[6]The Service Limit Load is the average test load at a $^3/_{16}$-inch deflection service limit for DriftClip® (DSLS, DSL, DSLD, and DSLB) connectors and the average test load at a $^1/_8$-inch deflection service limit for VertiClip (SL, SLB, SLD, SLS and SLT) and DriftTrak® (DTSLB and DTSL) connectors. The service limit is applicable to both ASD and LRFD.




1 A1.0 **MAIN FLOOR LOBBY PLAN**
1/4" = 1'-0"




2 A1.0 **MAIN FLOOR LIFE SAFETY PLAN**
1/8" = 1'-0"

## FLOOR PLAN NOTES

1. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE OFF DRAWINGS.
2. UNLESS NOTED OTHERWISE:
   A. ALL EXTERIOR DIMENSIONS ARE TO F.O. EXISTING CONC.
   B. ALL INTERIOR DIMENSIONS ARE TO F.O. (N) OR (E) WALL FINISH OR CENTERLINE OF STUDS / FIXTURES
   C. R.O. DENOTES CLEAR ROUGH FRAMING (STUD-TO-STUD) DIMENSION REQUIRED
   D. ALL WINDOW & DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING
3. ALL DIMENSIONS MARKED AS PLUS/MINUS (±) ARE APPROXIMATE AND TO BE FIELD VERIFIED.
4. ALL NEW PARTITIONS ARE NON-BEARING & FULL HEIGHT UNO.

## KEY NOTES:

1. (E) LATH & PLASTER SUSPENDED CEILING AT 10'-9 1/2" AFF CONSTRUCTED PER OSSC TABLE 721.1(3) ITEM 5-1.1, AS APPROVED IN APPEAL ID # 14457
2. (E) METAL LATH & PLASTER SUSPENDED CEILING AT 8'-11 1/2" AFF CONSTRUCTID PER OSSC TABLE 721.1(3) ITEM 5-1.1, AS APPROVED IN APPEAL ID # 14457
3. (E) METAL LATH & PLASTER SUSPENDED CEILING AT 8'-0" ± AFF (9'-6" AT FOYER 100) CONSTRUCTED PER OSSC TABLE 721.1(3) ITEM 5-1.1, AS APPROVED IN APPEAL ID # 14457
4. (E) ELECTRICAL PANELS
5. (E) ONE-HOUR CORRIDOR WALL EQUIVALENT TO ASSEMBLY 6-1.1 FROM OSSC TABLE 721.1(2)
6. ELEVATOR IN EXISTING CONC SHAFT TO BE RE-COMMISSIONED, FLOORS 1 THRU 5, MACHINE ROOM ON ROOF, BY SEPARATE BUILDING PERMIT
7. REMOVE (E) CONC RAMP & REPLACE W/ (N) REINF. 4" CONC S.O.G. O/ CONC RATED SUBGRADE & VAPOR BARRIER. EXTEND R-15 RIGID INSUL 2' AT PERIMEER, R-5 AT SLAB EDGE (SEE 8/A1.1)
8. REPAIR OR REPLACE (E) NOT BEARING MTL STUD PARTITION (SEE 3.8/A1.1)

## FIRE & LIFE SAFETY NOTES

1. ALONG INDICATED EGRESS PATH: PROVIDE REQUIRED ILLUMINATION OF NOT LESS THAN 1 FOOT-CANDLE AT THE WALKING SURFACE, TYP. FOR ADDITIONAL REQUIREMENTS INCLUDING EMERGENCY POWER, REFER TO ELEC./FIRE ALARM DESIGN-BUILD DOCUMENTS.
2. REQUIRED EXIT SIGNS TO BE CONTINUOUSLY ILLUMINATED (INTERNALLY OR EXTERNALLY) AND BE CONNECTED TO AN APPROVED EMER. POWER SYSTEM CAPABLE OF PROVIDING ILLUMINATION FOR NO LESS THAN 90 MN INDEPENDENT OF EXTERNAL POWER SOURCES.
3. EGRESS LIGHTING WILL BE PROVIDED BY EMERGENCY LIGHTS W/ 90 MINUTE MINIMUM BACK UP, MAINTAINING A MINIMUM OF 1 FOOT-CANDLE, SEE ELECTRICAL DESIGN-BUILD PLANS FOR LOCATIONS & ADDITIONAL NFO.
4. EXISTING SPRINKLER SYSTEM TO BE MODIFIED AS REQUIRED TO COMPLY WITH OSSC 903.3.1.1, NFPA 13 SPRINKLER SYSTEMS. SEPARATE PERMITS WILL BE OBTAINED PRIOR TO ADDITIONS OR ALTERATIONS TO FIRE SPRINKLERS & FIRE ALARM SYSTEMS, FROM THE FIRE MARSHAL'S OFFICE, 1300 SE GIDEON ST.

## FIRE & LIFE SAFETY SYMBOLS

- EGRESS PATH, SEE NOTES FOR REQUIRED ILLUMINATION — DIRECTION OF TRAVEL
- EGRESS PATH EXIT TO PUBLIC R.O.W.
- EGRESS PATH BETWEEN FLOORS
- EXIT SIGN, (N) OR (E), CONFIRM LOC. & NUMBER W/ FIRE MARSHALL
- EXISTING OR PROPOSED FIRE EXTINGUISHER LOCATION. VERIFY NUMBER & LOCATIONS W/ BUILDING OFFICIAL & FIRE MARSHALL. — O FE or FEC
- WALL-MOUNTED LED EMERGENCY LIGHT FIXTURE, BATTERY-POWERED, BOTTOM EDGE @ 7'-0" A.F.F. U.N.O. LOCATIONS AND NUMBER TO BE VERIFIED BY DESIGN-BUILD CONTRACTOR & FIRE MARSHAL.

## SYMBOLS:

- NEW 1-HR PARTITION
- EXISTING PARTITION
- DEMOLITION WALL OR ITEM
- NAME 000 — ROOM NAME / NUMBER TAG
- NEW DOOR
- DOOR TAG (D0)
- EXISTING DOOR


DAVID RODEBACK ARCHITECT LLC
1711 SE 10th AVE, #201
PORTLAND, OREGON 97214
503-502-5490
david@dlrarch.com

ADAM WOODWARD DRAFTING
adamtwoodward@gmail.com


REGISTERED ARCHITECT
DAVID L. RODEBACK
PORTLAND, OREGON
STATE OF OREGON

PROPOSED MINOR LOBBY IMPROVEMENTS AT THE:

**6040 BELMONT BUILDING - NORTH TOWER**

PROJECT #: 1501

6040 SE BELMONT ST
PORTLAND, OR 97215

Reviewed for Portland Commercial Code Compliance
Mar 1 2017
Permit Number

**ISSUES:**

| | |
|---|---|
| PERMIT | 10-28-16 |

PLOT DATE: 03/30/17

**REVISIONS:**

| | |
|---|---|
| PERMIT 1 | 01-05-17 |
| CONST 2 | 03-30-17 |

**MAIN FLOOR / LOBBY PLAN**

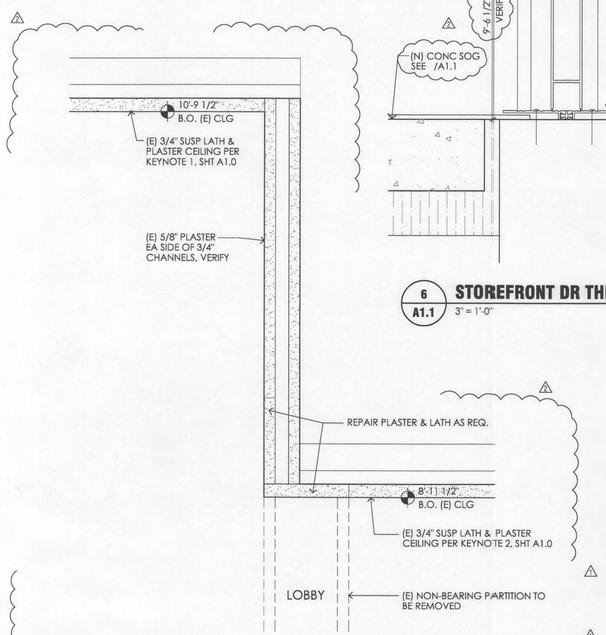
**A1.0**

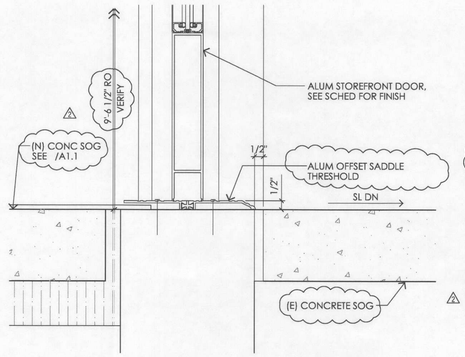
16-266 113-P REV-01-CO

2

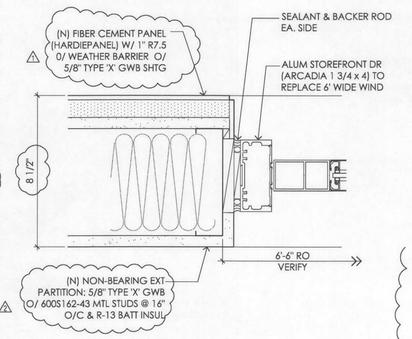
PLOT DATE: 03/30/17

C:\USERS\DAVID\GOOGLE DRIVE\BUSINESS\PROJECTS\1501 - 6040 SE BELMONT BLDG\DRAWINGS\CD'S\NORTH TOWER LOBBY\1501 6040 SE BELMONT TOWER LOBBY\1501 6040 SE BELMONT FLOOR PLANS DETAILS.DWG

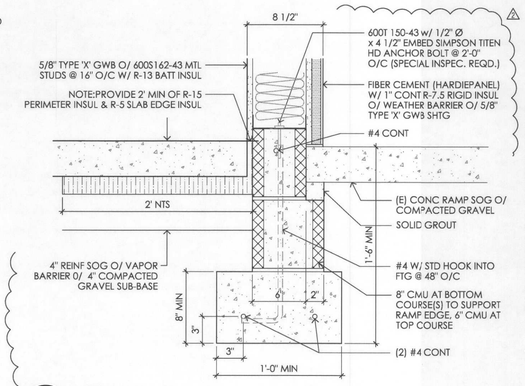


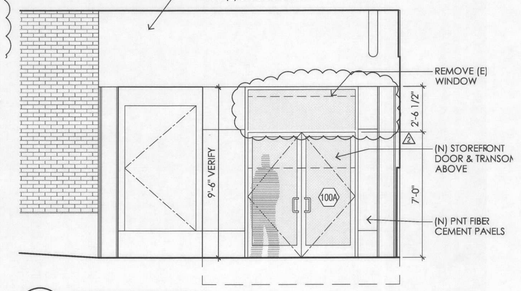

**6 / A1.1 STOREFRONT DR THRESHOLD @ ENTRY**
3" = 1'-0"




**7 / A1.1 STOREFRONT DOOR JAMB AT ENTRY**
3" = 1'-0"




**8 / A1.1 FNDN AT NON-LOAD BEARING EXT WALL**
1 1/2" = 1'-0"



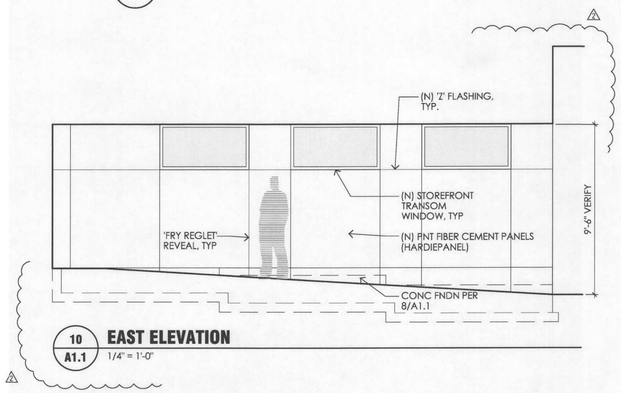

**9 / A1.1 NORTH ELEVATION**
1/4" = 1'-0"



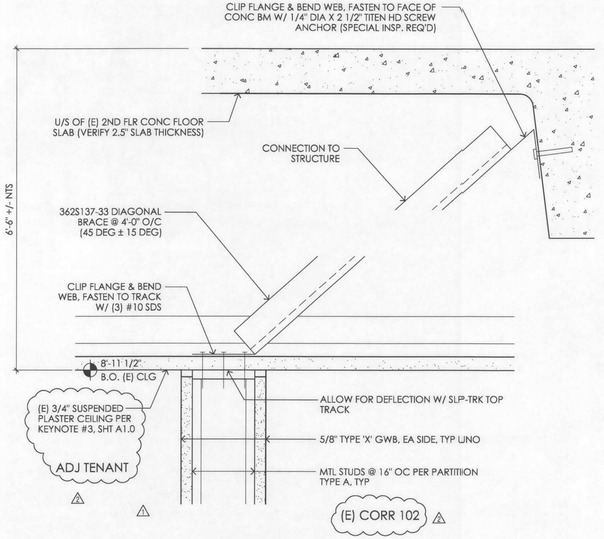

**5 / A1.1 EXISTING CEILING TRANSITION**
3" = 1'-0"

**TABLE 721.1(3)**
**MINIMUM PROTECTION FOR FLOOR AND ROOF SYSTEMS[a, c]**

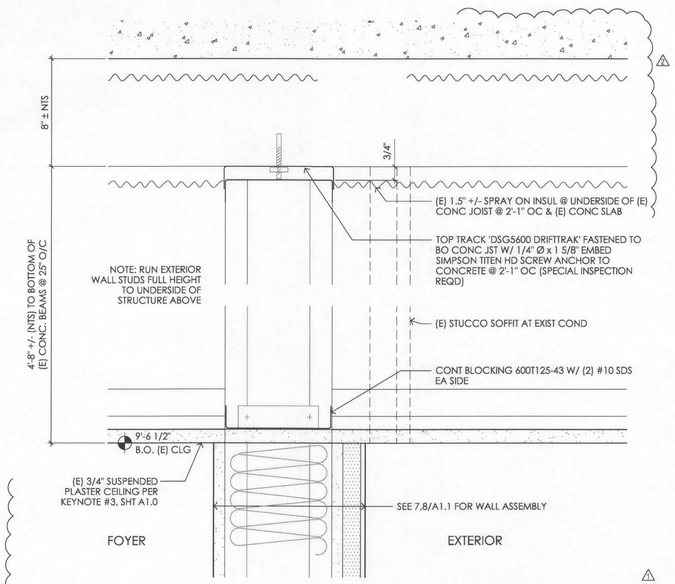
| FLOOR OR ROOF CONSTRUCTION | ITEM NUMBER | CEILING CONSTRUCTION | THICKNESS OF FLOOR OR ROOF SLAB (inches) | | | | MINIMUM THICKNESS OF CEILING (inches) | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 4 hours | 3 hours | 2 hours | 1 hour | 4 hours | 3 hours | 2 hours | 1 hour |
| 1. Siliceous aggregate concrete | 1-1.1 | Slab (no ceiling required). Minimum cover over nonprestressed reinforcement shall not be less than | 7.0 | 6.2 | 5.0 | 3.5 | — | — | — | — |
| 2. Carbonate aggregate concrete | 2-1.1 | | 6.6 | 5.7 | 4.6 | 3.2 | — | — | — | — |
| 3. Sand-lightweight concrete | 3-1.1 | $^1/_4$ [b]. | 5.4 | 4.6 | 3.8 | 2.7 | — | — | — | — |
| 4. Lightweight concrete | 4-1.1 | | 5.1 | 4.4 | 3.6 | 2.5 | — | — | — | — |
| | 5-1.1 | Slab with suspended ceiling of vermiculite gypsum plaster over metal lath attached to $^3/_4$" cold-rolled channels spaced 12" on center. Ceiling located 6" minimum below joists. | 3 | 2 | — | — | 1 | $^3/_4$ | — | — |
| 5. Reinforced concrete | 5-2.1 | $^3/_4$" "Type X gypsum wallboard" attached to 0.018 inch (No. 25 carbon sheet steel gage) by $^3/_4$" deep by $2^3/_8$" hat-shaped galvanized steel channels with 1"-long No. 6 screws. The channels are spaced 24" on center, span 35" and are supported along their length at 35" intervals by 0.033" (No. 21 galvanized sheet gage) galvanized steel flat strap hangers having formed edges that engage the lips of the channel. The strap hangers are attached to the side of the concrete joists with $^7/_{16}$" by $1^1/_2$" long power-driven fasteners. The wallboard is installed with the long dimension perpendicular to the channels. All end joints occur on channels and supplementary channels are installed parallel to the main channels, 12" each side, at end joint occurrences. The finished ceiling is located approximately 12" below the soffit of the floor slab. | — | — | $2^1/_2$ | — | — | — | $^7/_8$ | — |




**10 / A1.1 EAST ELEVATION**
1/4" = 1'-0"




**4 / A1.1 1 HR PARTITION HEAD @ SUSP CEILING**
3" = 1'-0"




**3 / A1.1 1 HR PARTITION HEAD @ NON LOAD BEARING EXT WALL**
3" = 1'-0"

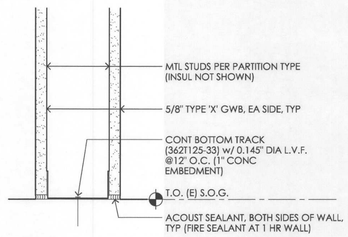
**DOOR SCHEDULE**

| DR TAG | DOOR SIZE WIDTH | DOOR SIZE HT | DOOR MATL | DOOR FINISH | FRAME MATL | FRAME FINISH | HARDWARE | REMARKS / RATING |
|---|---|---|---|---|---|---|---|---|
| 100A | (2)3'-0" | 7'-0" | ALUM | CAA | ALUM | CAA | EXIT & ENTRANCE HARDWARE | SEE DETAILS 6,7/A1.1 & PART ELEV 9/A1.1 |

DOOR SCHEDULE NOTES:

1. PROVIDE ACCESSIBLE HARDWARE WITH OPERABLE PARTS THAT ARE 34" MIN AND 48" MAX A.F.F. HARDWARE TO INCLUDE HANDLES, PULLS, LATCHES, LOCKS & OTHER PARTS ON ACCESSIBLE DRS THAT ARE EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE. COMPLY WITH 402.2.6 ANSI A117.1
2. ALL DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.





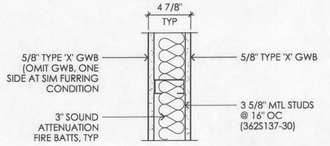

NOTES:
1. PROVIDE 18 GA. STUDS @ HEAD/JAMBS AT DOORS.

**2 / A1.1 MTL STUD PARTITION @ FLOOR**
3" = 1'-0"

1 HOUR FIRE ASSEMBLY:

GA FILE NO. WP 1350, GENERIC, GYPSUM WALLBOARD, STEEL STUDS

One layer 5/8" Type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of 3 5/8" steel studs 24" o.c. with 1" Type S drywall screws 8" o.c. at vertical joints and 12" o.c. at floor and ceiling runners and intermediate studs. Joints staggered 24" on opposite sides.




NOTES:
PROVIDE DEFLECTION HEADS PER 2/A1.3 @ CONNECTION TO CEILING, TYP

**1 / A1.1 1-HR PARTITION: TYPE A**
1 1/2" = 1'-0"

DAVID RODEBACK ARCHITECT LLC
1711 SE 10th AVE, #201
PORTLAND, OREGON 97214
503-502-5490
david@dlrarch.com

ADAM WOODWARD DRAFTING
adamtwoodward@gmail.com

REGISTERED ARCHITECT
DAVID L. RODEBACK
PORTLAND, OREGON
STATE OF OREGON

PROPOSED MINOR LOBBY IMPROVEMENTS AT THE:

**6040 BELMONT BUILDING - NORTH TOWER**

PROJECT #: 1501

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**ISSUES:**
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**REVISIONS:**
PERMIT 1 01-05-17
CONST 2 03-30-17

**DETAILS SCHEDULE**

**A1.1**

PLOT DATE: 03/30/17

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