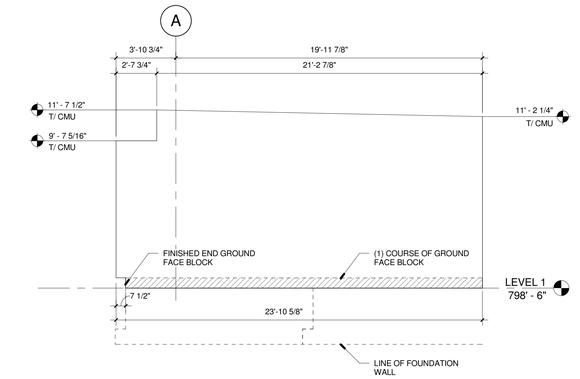
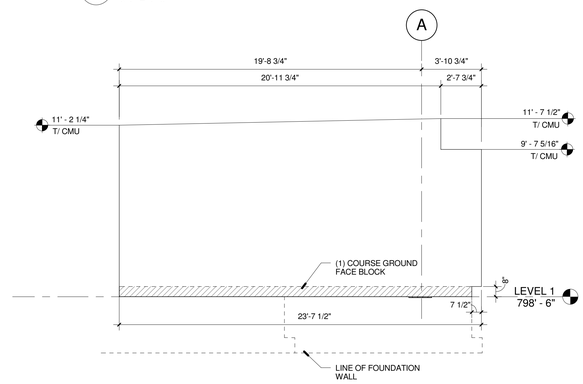
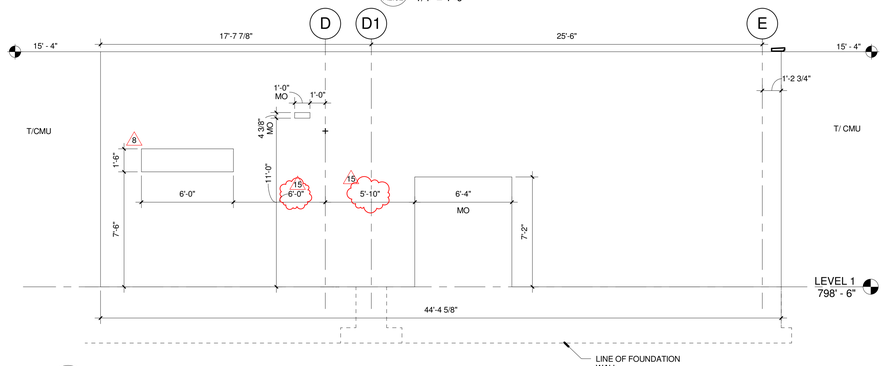
1 A2.02 SHEAR WALL REFERENCE PLAN
1/16" = 1'-0"



4 A2.02 SHEAR WALL ELEV @ NORTH ENTRY 133 (EAST WALL)
1/4" = 1'-0"

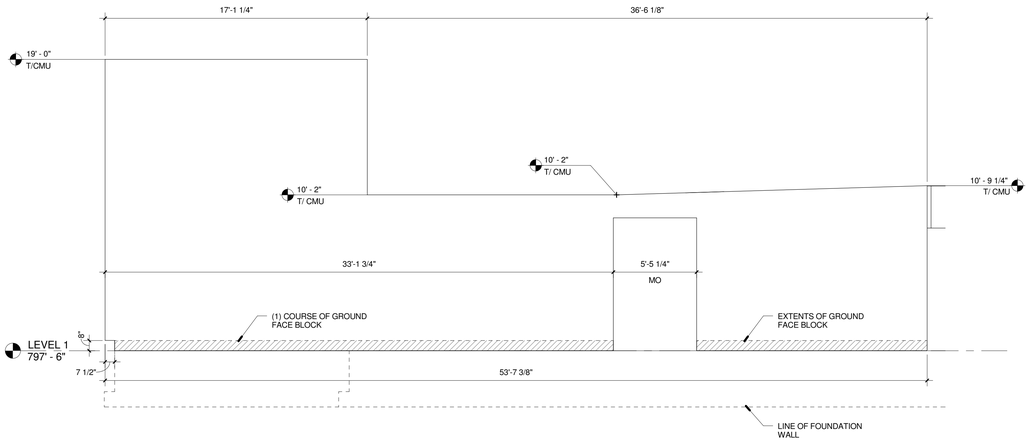


5 A2.02 SHEAR WALL ELEV @ NORTH ENTRY 133 (WEST WALL)
1/4" = 1'-0"

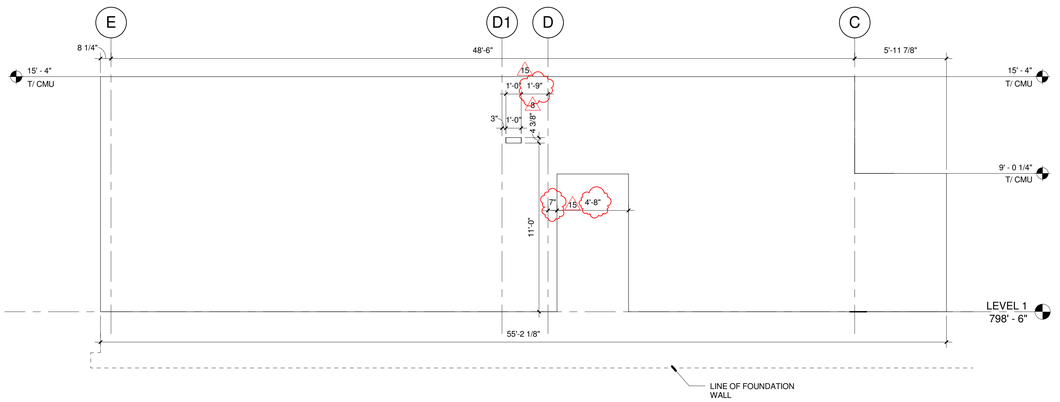


6 A2.02 SHEAR WALL ELEV @ EAST WALL
1/4" = 1'-0"

2 A2.02 SHEAR WALL ELEV @ SOUTH ENTRY 100 (EAST WALL)
1/4" = 1'-0"



3 A2.02 SHEAR WALL ELEV @ SOUTH ENTRY 100 (WEST WALL)
1/4" = 1'-0"



7 A2.02 SHEAR WALL ELEV @ WEST WALL
1/4" = 1'-0"

No.	Description	Date
9	ASI 02	10.30.2013
11	ASI 04	12.20.13
14	ASI 07	03.28.2014
15	ASI 08	04.01.2014
	100% CD-ENCLOSURE/FINISHES BID & PERMIT SET	10.09.2013
	95% CD CLIENT REVIEW SET	09.27.2013
	80% CD CLIENT REVIEW SET	09.03.2013
	SITE & STRUCTURE BID & PERMIT PACKAGE	08.09.2013
	50% CD CLIENT REVIEW SET	08.09.2013
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	SD COST ESTIMATE - NOT FOR CONSTRUCTION	04.23.2013

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Columbus Metropolitan Library Whitehall Branch

Drawing Title

SHEAR WALL ELEVATIONS

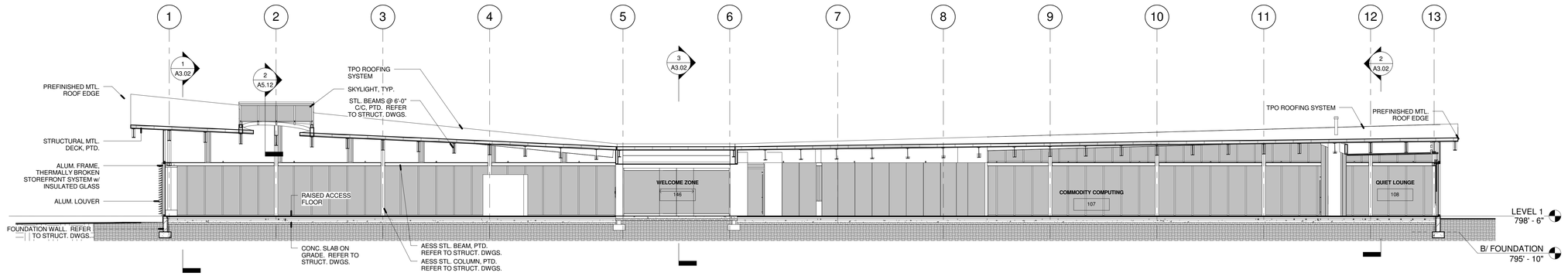
Date	Sheet Number
03.17.14	A2.02

Scale	Project Number
As indicated	12100

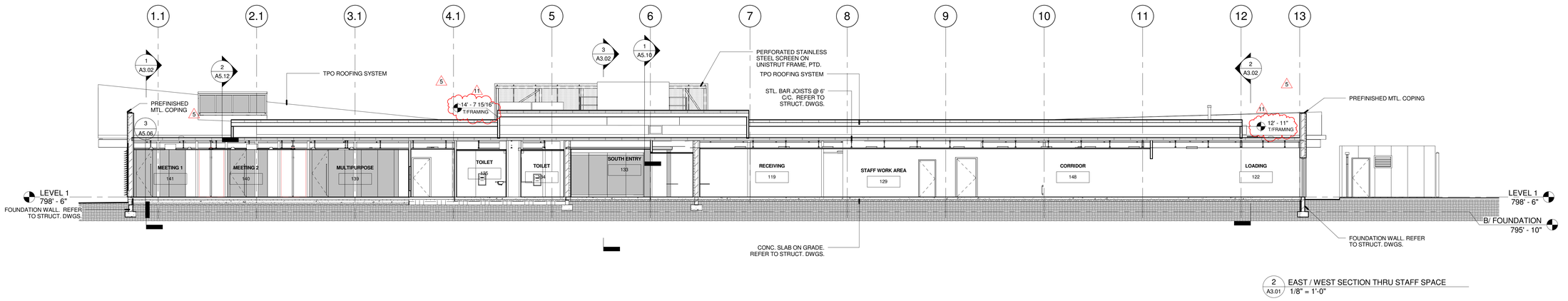
PinC	PM	JC	Des	Dr
				Author

FULL SIZE: ARCH E1 30" x 42"

4/2/2014 10:47:50 AM



1 A3.01 EAST / WEST BUILDING SECTION - THRU MAIN SPACE
1/8" = 1'-0"



2 A3.01 EAST / WEST SECTION THRU STAFF SPACE
1/8" = 1'-0"

NOTE:

CONCRETE, MASONRY, STEEL STRUCTURE AND SITEWORK WAS SUBMITTED PREVIOUSLY UNDER A SEPARATE PERMIT.

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	SD COST ESTIMATE - NOT FOR CONSTRUCTION	04.23.2013
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	50% CD CLIENT REVIEW SET	08.09.2013
	SITE & STRUCTURE BID & PERMIT SET	08.09.2013
	80% CD CLIENT REVIEW SET	09.03.2013
	95% CD CLIENT REVIEW SET	09.27.2013
	100% CD-ENCLOSURES/FINISHES BID & PERMIT SET	10.09.2013
5	ADDENDUM 3 (FF)	10.24.2013
11	CB 06 - CONFORMED SET	01.17.2014

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Columbus Metropolitan Library Whitehall Branch

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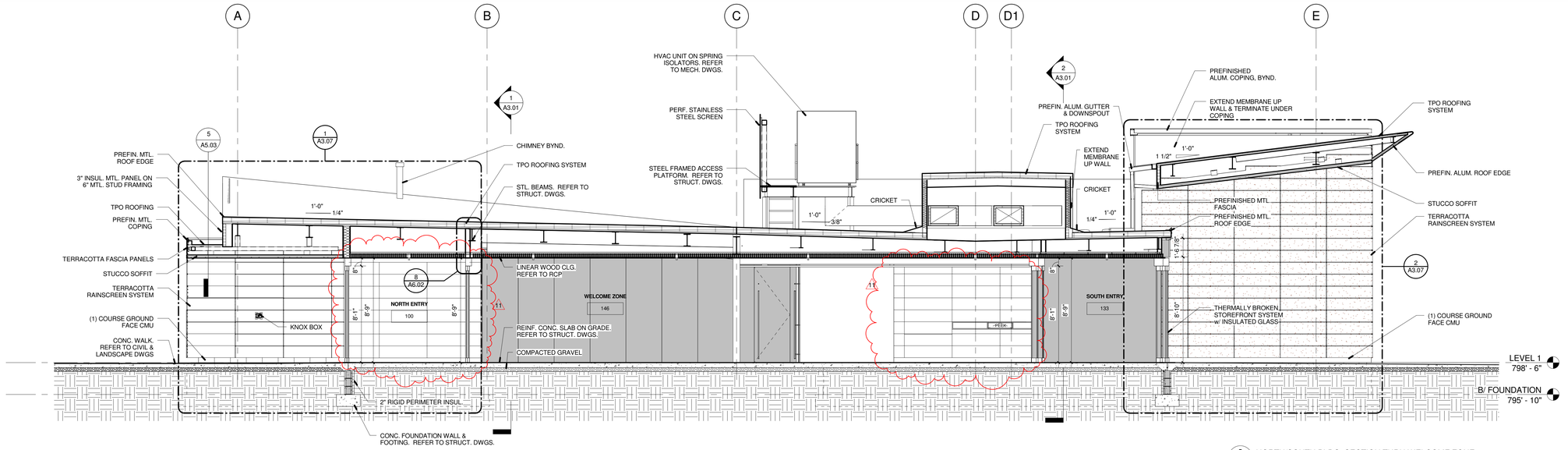
BUILDING SECTIONS

Date	Sheet Number
01.17.2014	**A3.01**
Scale: As indicated	Project Number: 12100

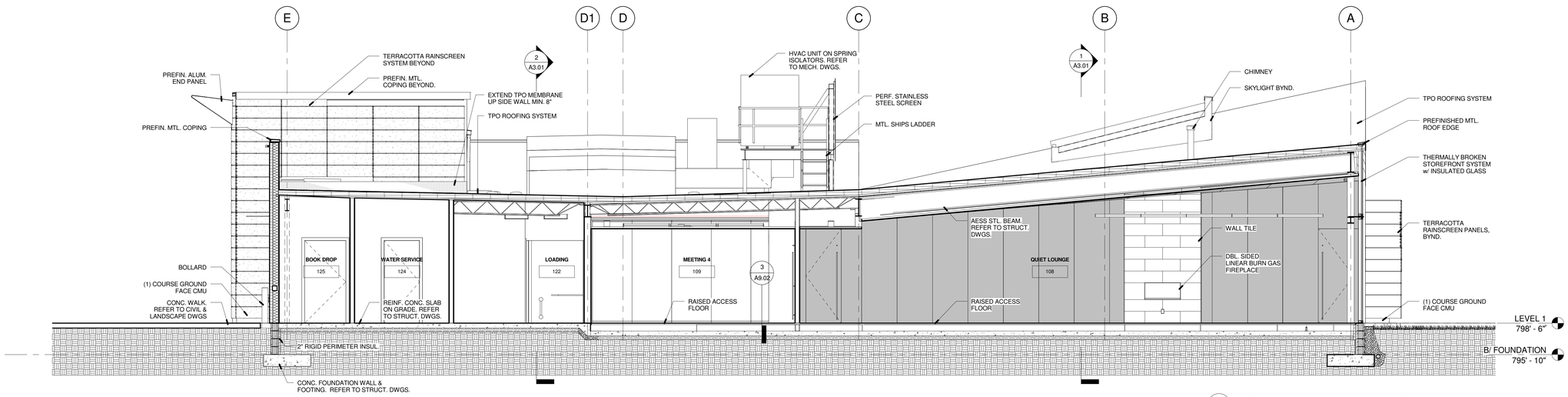
PinC	PM	JC	Des	Dr
				Author

FULL SIZE: ARCH E1 30" x 42"

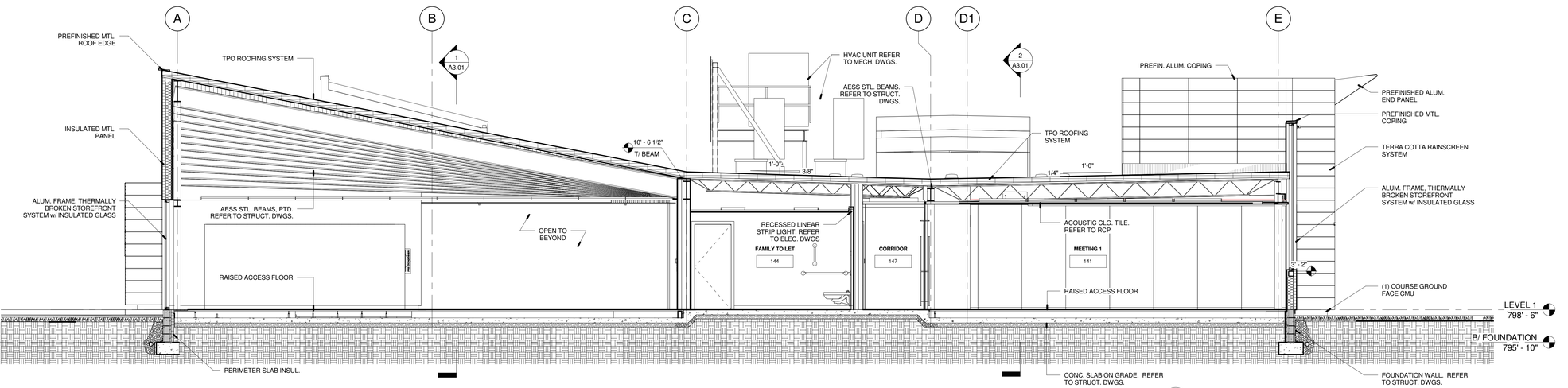
1/2/2014 5:51:45 PM



3 A3.02 NORTH/SOUTH BLDG. SECTION THRU WELCOME ZONE
1/4" = 1'-0"



2 A3.02 NORTH/SOUTH BLDG. SECTION THRU QUIET LOUNGE
1/4" = 1'-0"



1 A3.02 NORTH/SOUTH BLDG. SECTION THRU CHILDREN'S COLLECTION
1/4" = 1'-0"

NOTE:

CONCRETE, MASONRY, STEEL STRUCTURE AND SITEWORK WAS SUBMITTED PREVIOUSLY UNDER A SEPARATE PERMIT.

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	SD COST ESTIMATE - NOT FOR CONSTRUCTION	04.23.2013
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	50% CD CLIENT REVIEW SET	08.09.2013
	SITE & STRUCTURE BID & PERMIT SET	08.09.2013
	80% CD CLIENT REVIEW SET	09.03.2013
	95% CD CLIENT REVIEW SET	09.27.2013
	100% CD-ENCLOSURES/FINISHES BID & PERMIT SET	10.09.2013
11	CB 06 - CONFORMED SET	01.17.2014

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Columbus Metropolitan Library Whitehall Branch

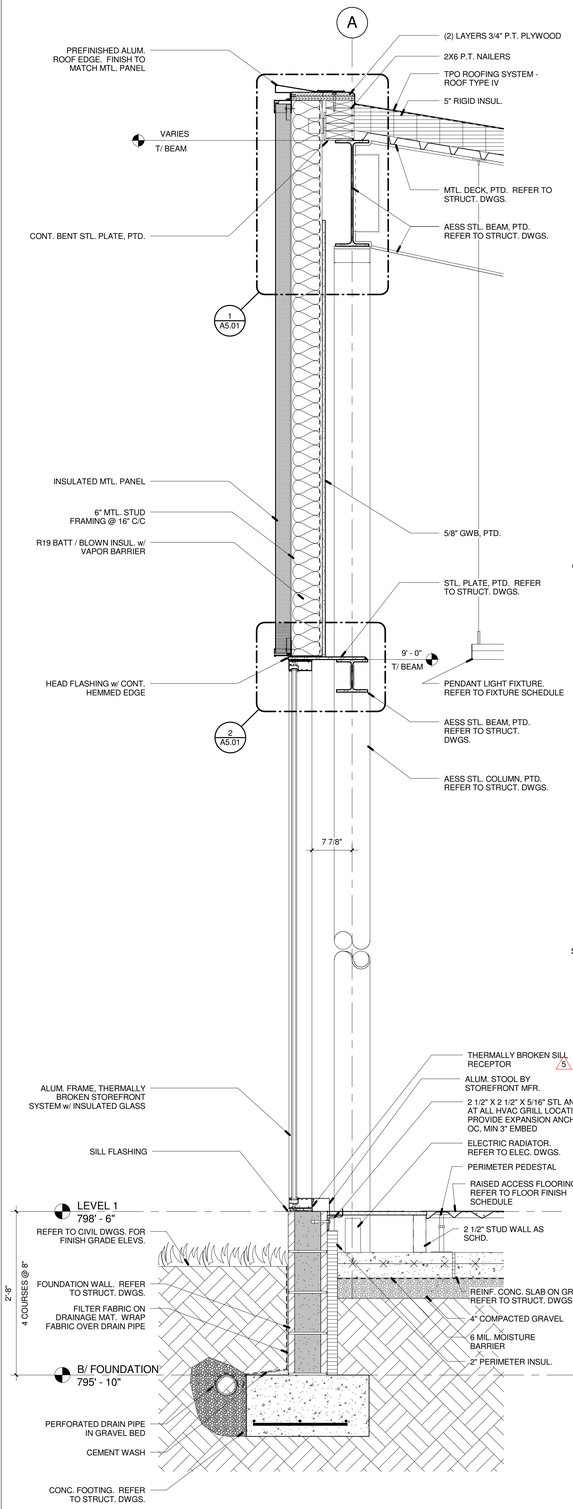
Drawing Title

BUILDING SECTIONS

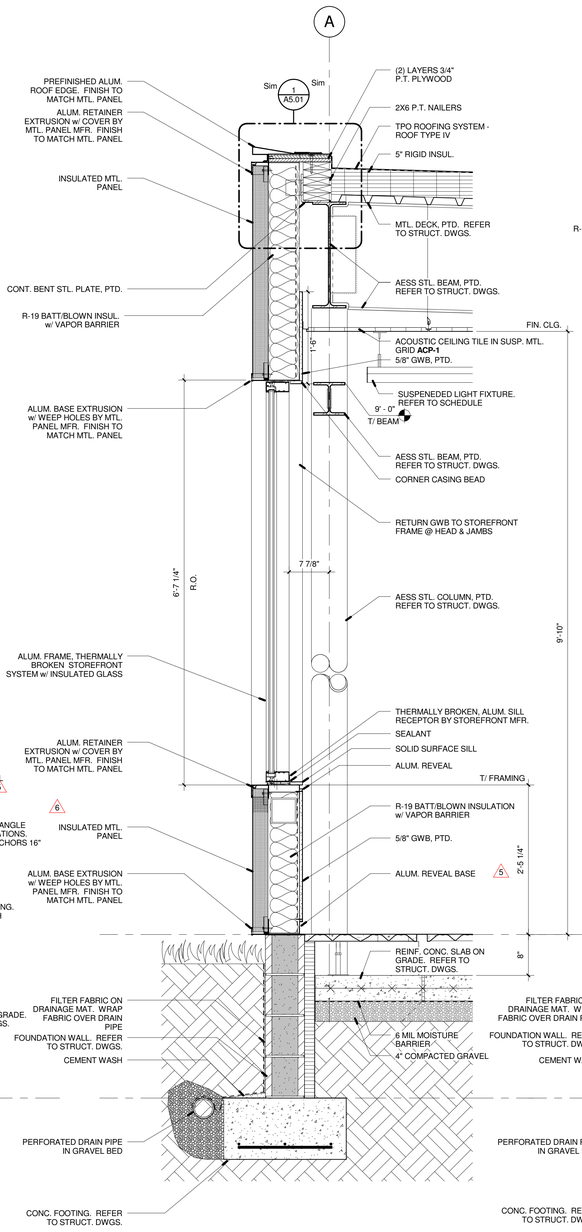
Date	Sheet Number
01.17.2014	A3.02
Scale: As indicated	Project Number: 12100
PinC / PM / JC / Des / Dr: Author	

FULL SIZE: ARCH E1 30" x 42"

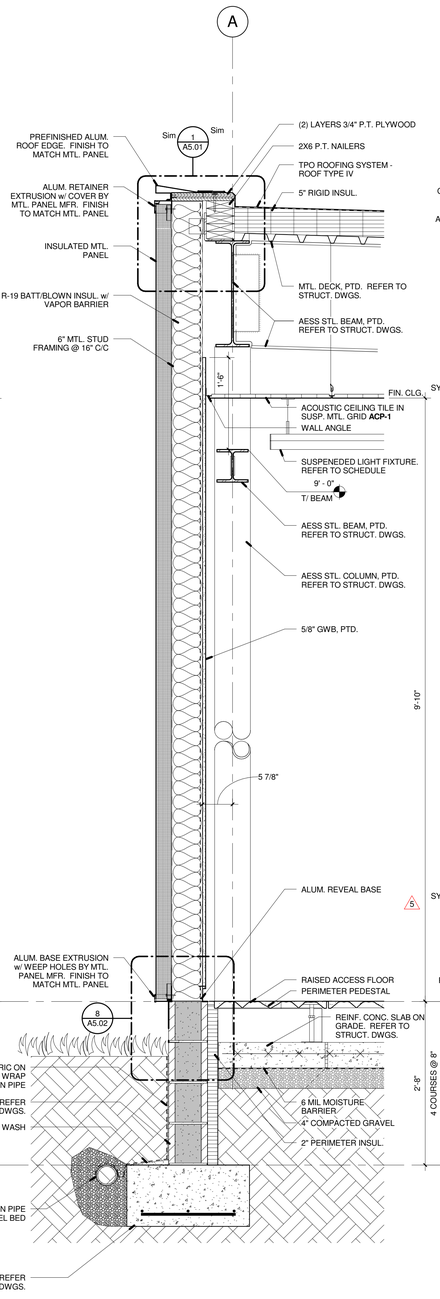
LSD2014 4:20:58 PM



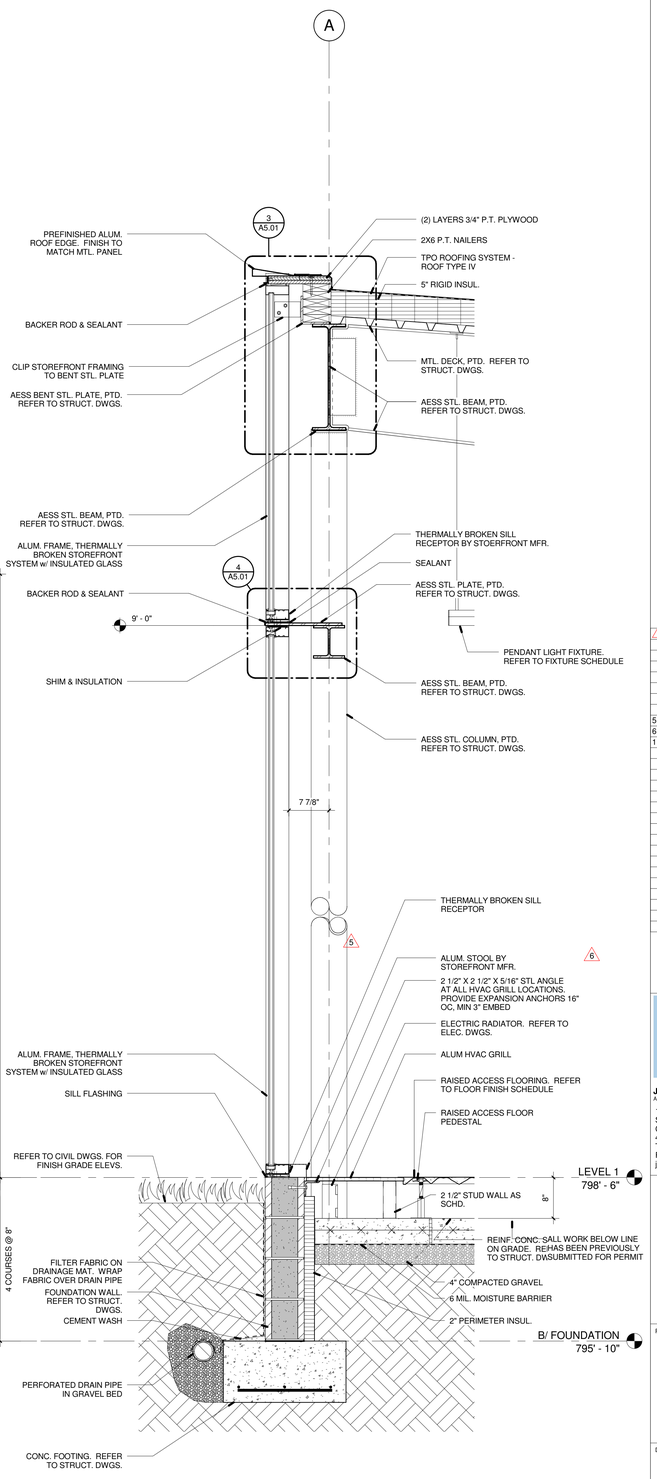
1 A3.03 SECTION THRU NORTH WALL @ CHILDRENS AREA
1" = 1'-0"



2 A3.03 SECTION THRU PUNCHED WINDOW @ TEEN AREA
1" = 1'-0"



3 A3.03 SECTION THRU METAL PANEL WALL @ TEEN AREA
1" = 1'-0"



4 A3.03 SECTION THRU NORTH WALL @ COLLECTIONS
1" = 1'-0"

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No.	Description	Date
	SD COST ESTIMATE - NOT FOR CONSTRUCTION	04.23.2013
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	50% CD CLIENT REVIEW SET	08.09.2013
	SITE & STRUCTURE BID & PERMIT SET	08.09.2013
	80% CD CLIENT REVIEW SET	09.03.2013
	95% CD CLIENT REVIEW SET	09.27.2013
	100% CD-ENCLOSURES/FINISHES BID & PERMIT SET	10.09.2013
5	ADDENDUM 3 (FF)	10.24.2013
6	ADDENDUM 4 (FF)	10.28.2013
11	CB 06 - CONFORMED SET	01.17.2014

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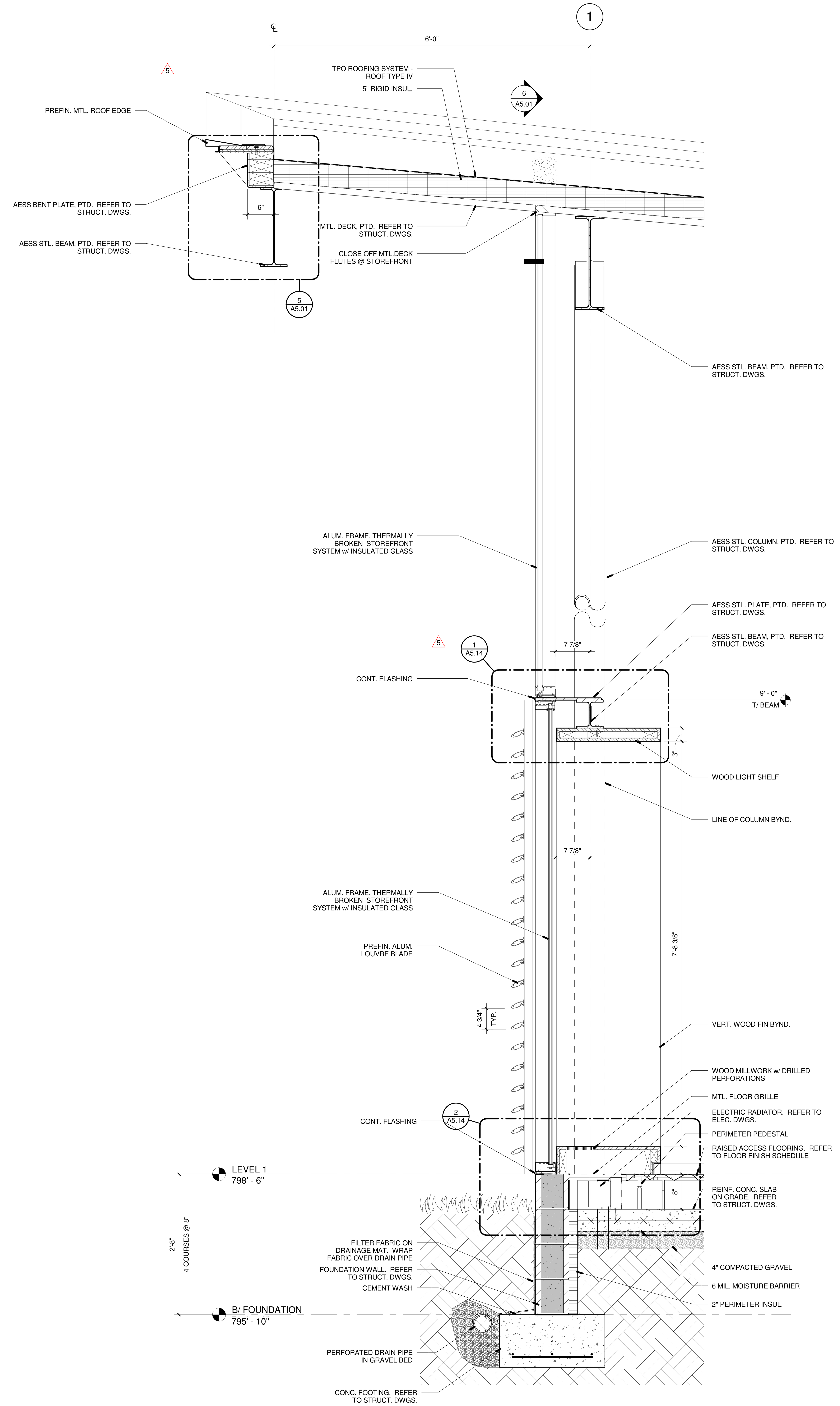
WALL SECTIONS

Date	Sheet Number
01.17.2014	A3.03
Scale: As indicated	Project Number: 12100
PinC / PM / JC / Des / Dr: Author	

FULL SIZE: ARCH E1 30" x 42"

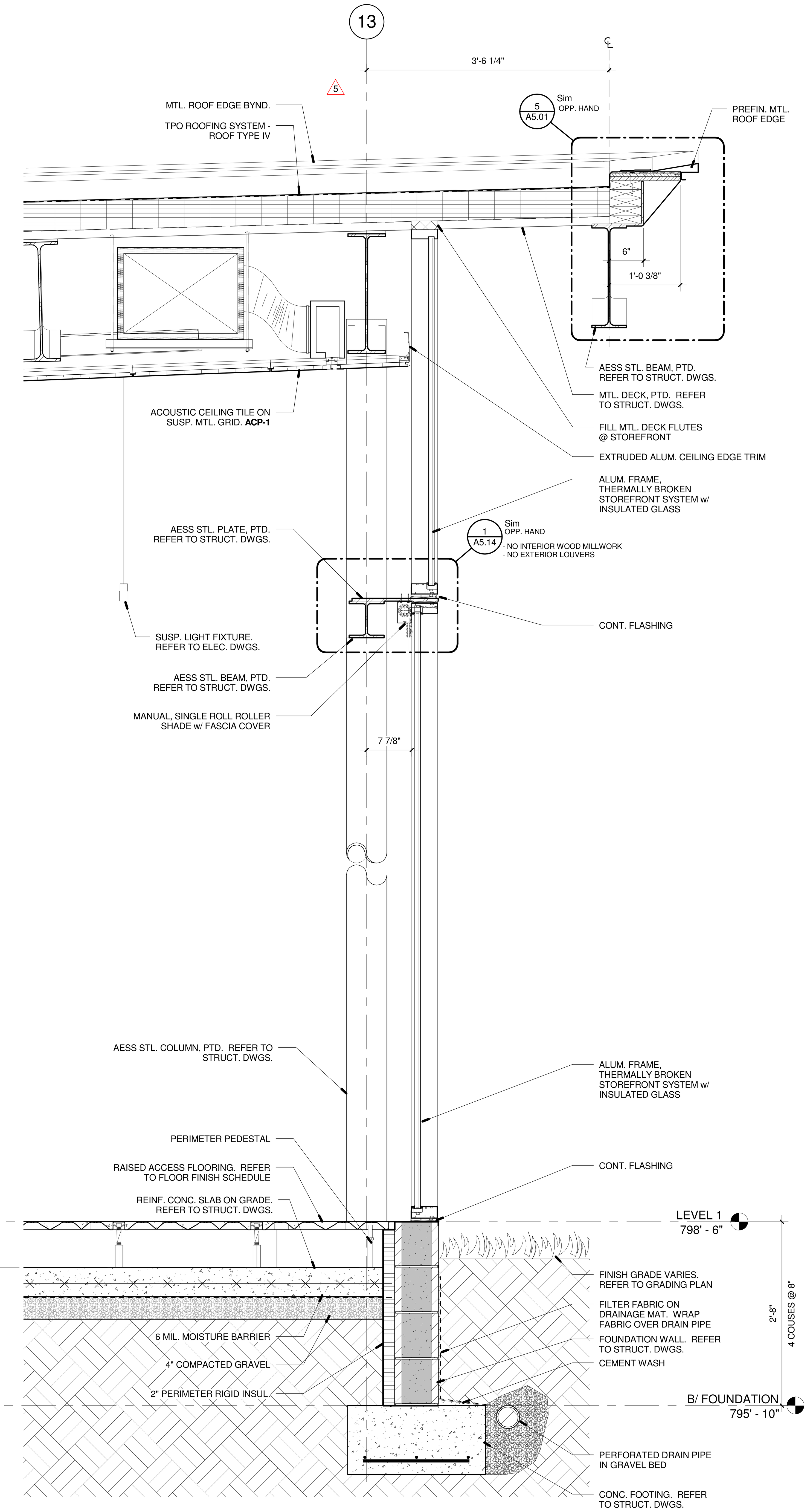
10/28/2013 4:21:40 PM



1 A3.04 SECTION THRU WEST WALL @ CHILDRENS AREA
1" = 1'-0"

NOTE:

CONCRETE, MASONRY, STEEL STRUCTURE AND SITEWORK WAS SUBMITTED PREVIOUSLY UNDER A SEPARATE PERMIT.



3 A3.04 SECTION THRU EAST WALL @ QUIET STUDY
1" = 1'-0"

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No.	Description	Date
	SD COST ESTIMATE - NOT FOR CONSTRUCTION	04.23.2013
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	50% CD CLIENT REVIEW SET	08.09.2013
	SITE & STRUCTURE BID & PERMIT SET	08.09.2013
	80% CD CLIENT REVIEW SET	09.03.2013
	95% CD CLIENT REVIEW SET	09.27.2013
	100% CD-ENCLOSURES/FINISHES BID & PERMIT SET	10.09.2013
5	ADDENDUM 3 (FF)	10.24.2013
11	CB 06 - CONFORMED SET	01.17.2014

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WALL SECTIONS

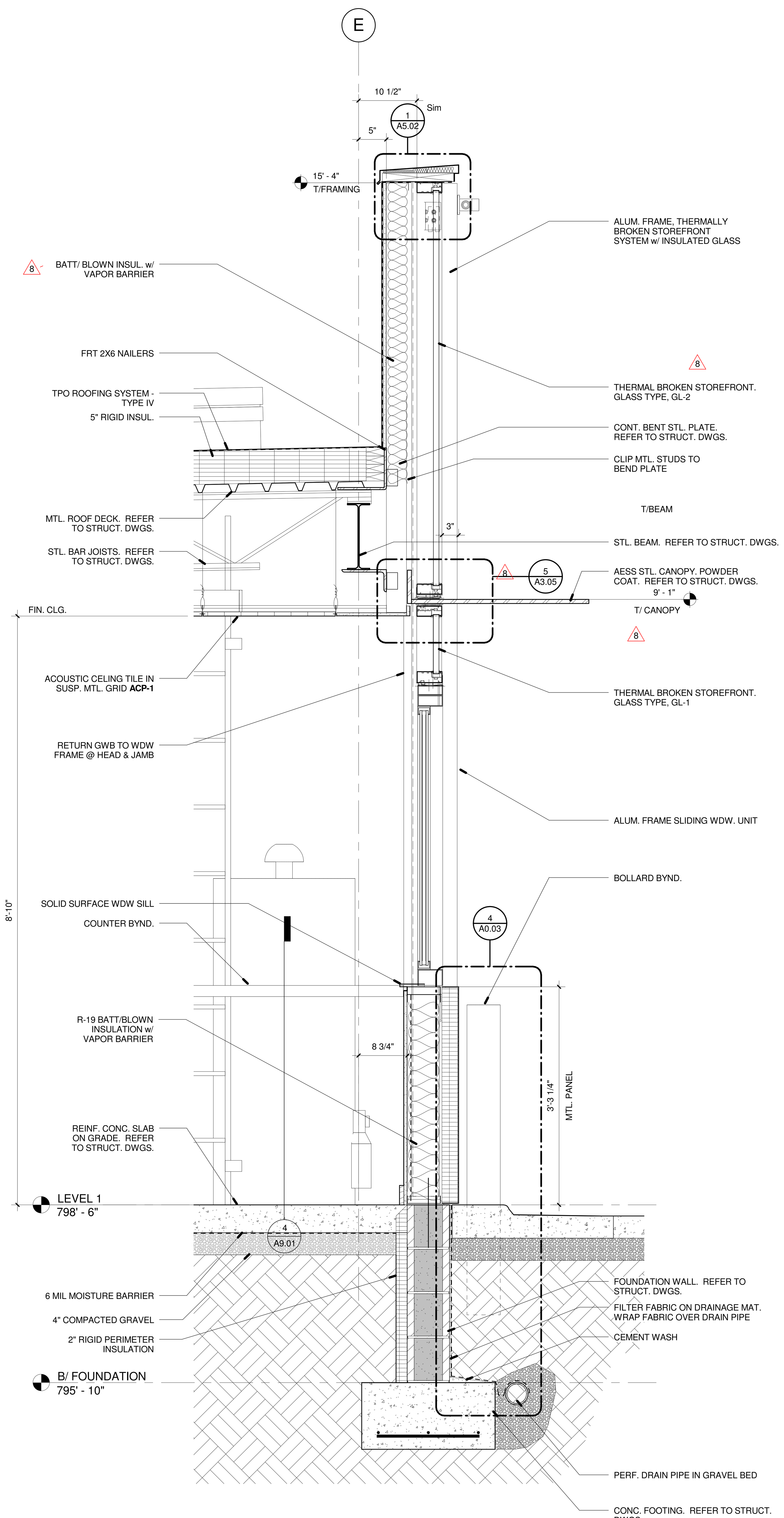
Date	Sheet Number
01.17.2014	A3.04

Scale	Project Number
As indicated	12100

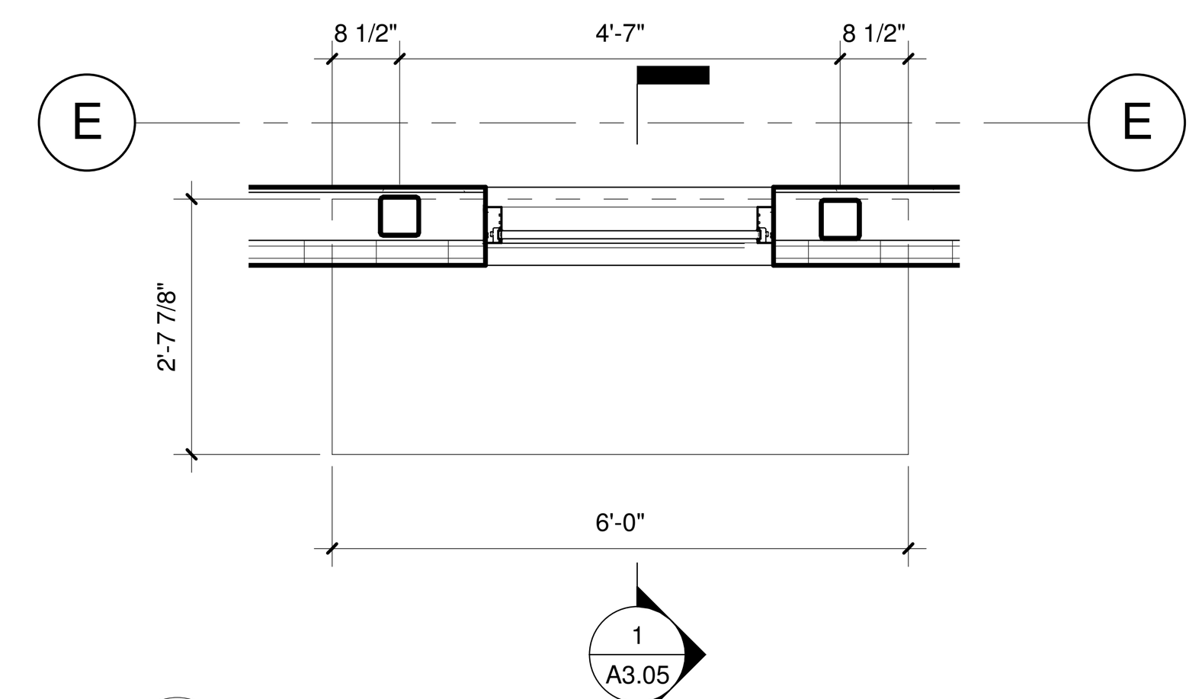
PinC	PM	JC	Des	Dr
				Author

FULL SIZE: ARCH E1 30" x 42"

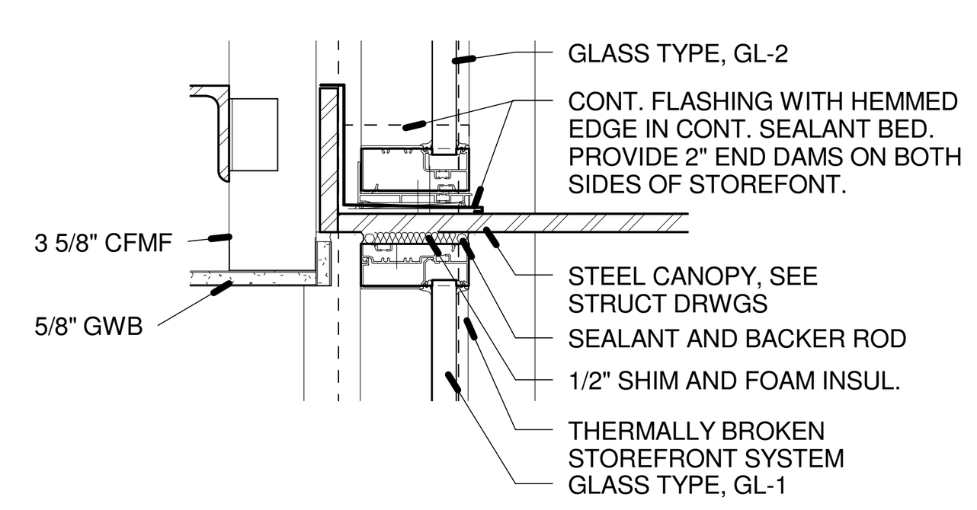
1/21/2014 3:31:53 PM



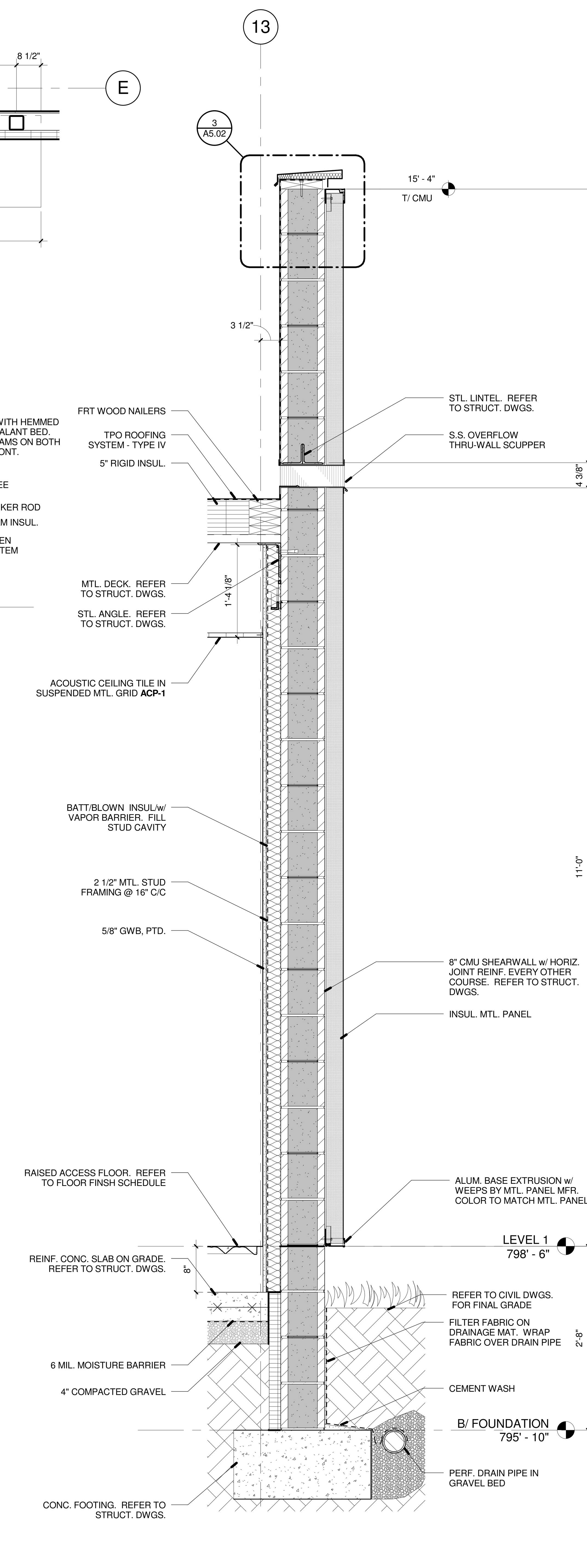
1 SECTION THRU DRIVE UP WINDOW
A3.05 1" = 1'-0"



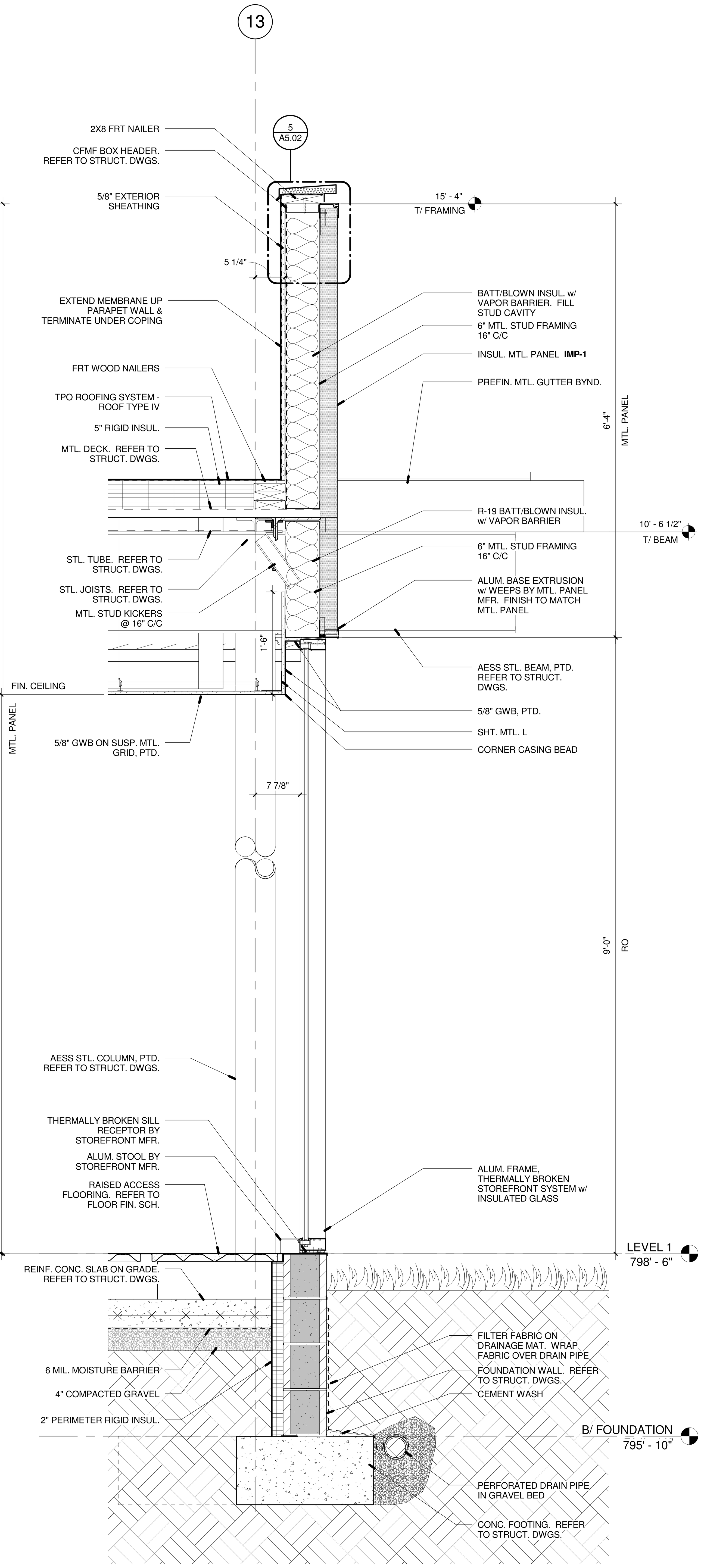
2 CANOPY PLAN
A3.05 1/2" = 1'-0"



5 CANOPY SECTION DETAIL
A3.05 1 1/2" = 1'-0"



3 SECTION THRU EAST WALL @ MASONRY / MTL. PANEL
A3.05 1" = 1'-0"



4 SECTION @ QUIET STUDY
A3.05 1" = 1'-0"

NOTE:

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No.	Description	Date
	SD COST ESTIMATE - NOT FOR CONSTRUCTION	04.23.2013
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	50% CD CLIENT REVIEW SET	08.09.2013
	SITE & STRUCTURE BID & PERMIT SET	08.09.2013
	80% CD CLIENT REVIEW SET	09.03.2013
	95% CD CLIENT REVIEW SET	09.27.2013
	100% CD-ENCLOSURES/FINISHES BID & PERMIT SET	10.09.2013
8	ASI 03	12.12.13
11	CB 06 - CONFORMED SET	01.17.2014

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WALL SECTIONS

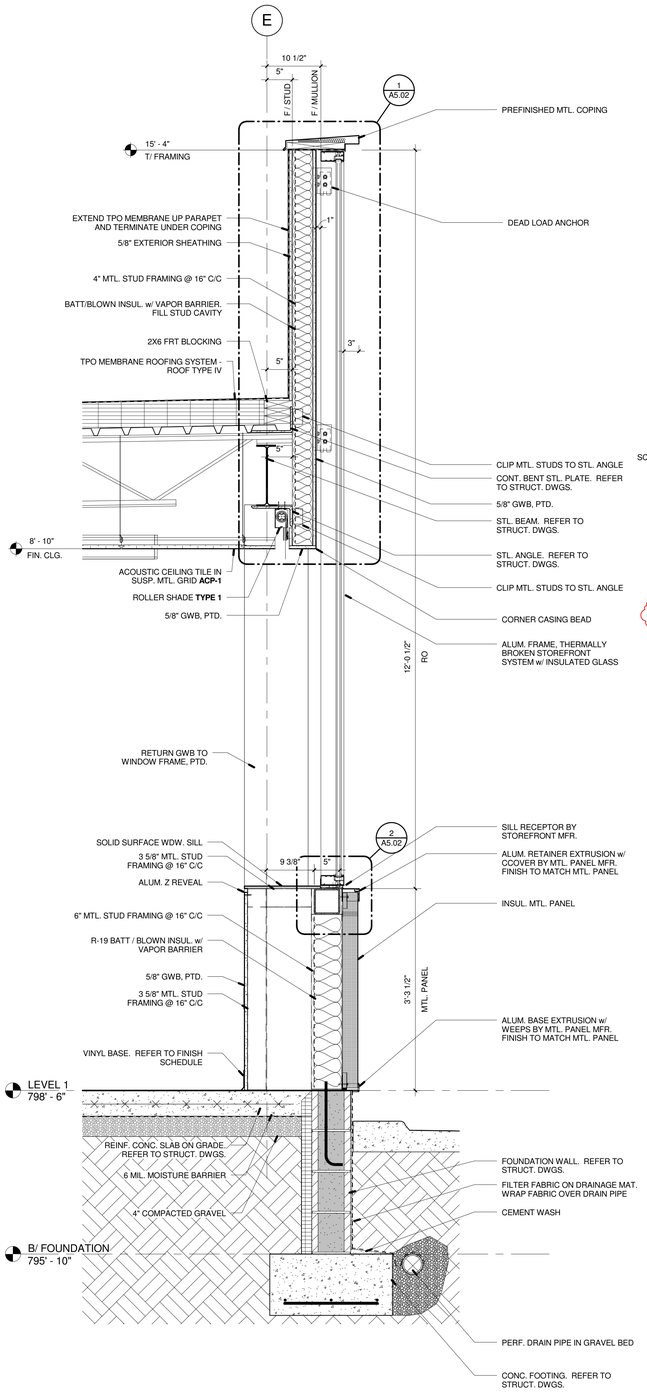
Date	Sheet Number
01.17.2014	A3.05

Scale	Project Number
As indicated	12100

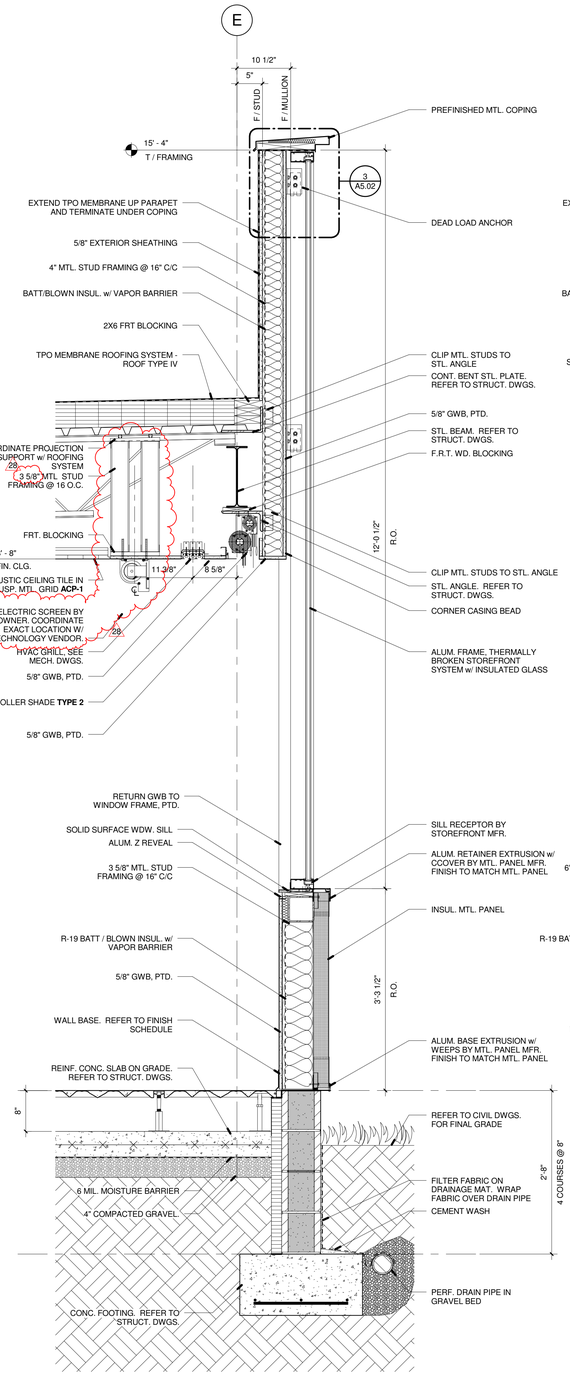
PinC	PM	JC	Des	Dr
				Author

1/31/2014 3:31:58 PM

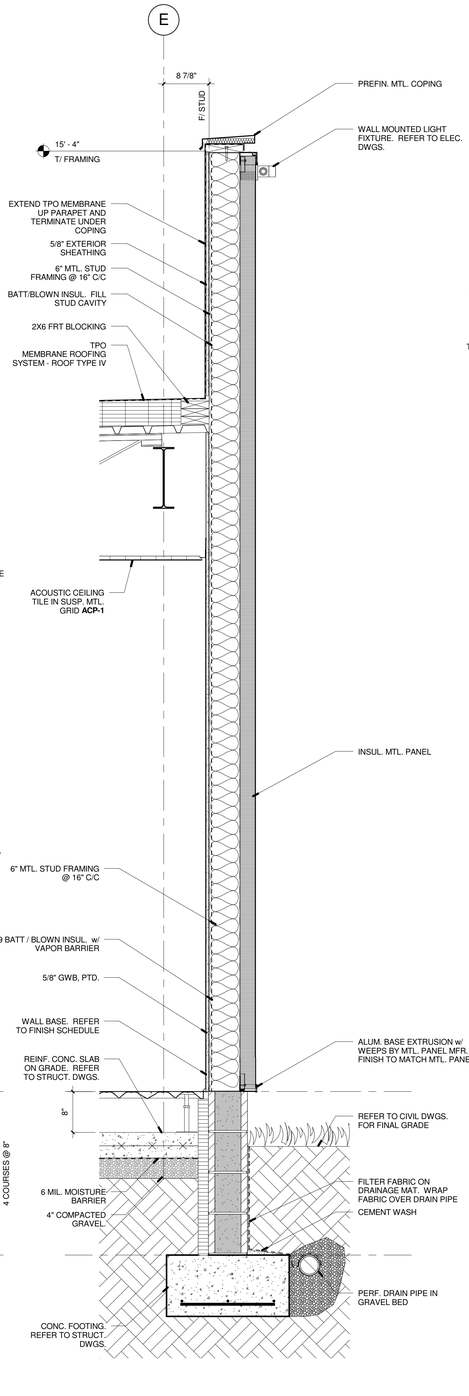
FULL SIZE: ARCH E1 30" x 42"



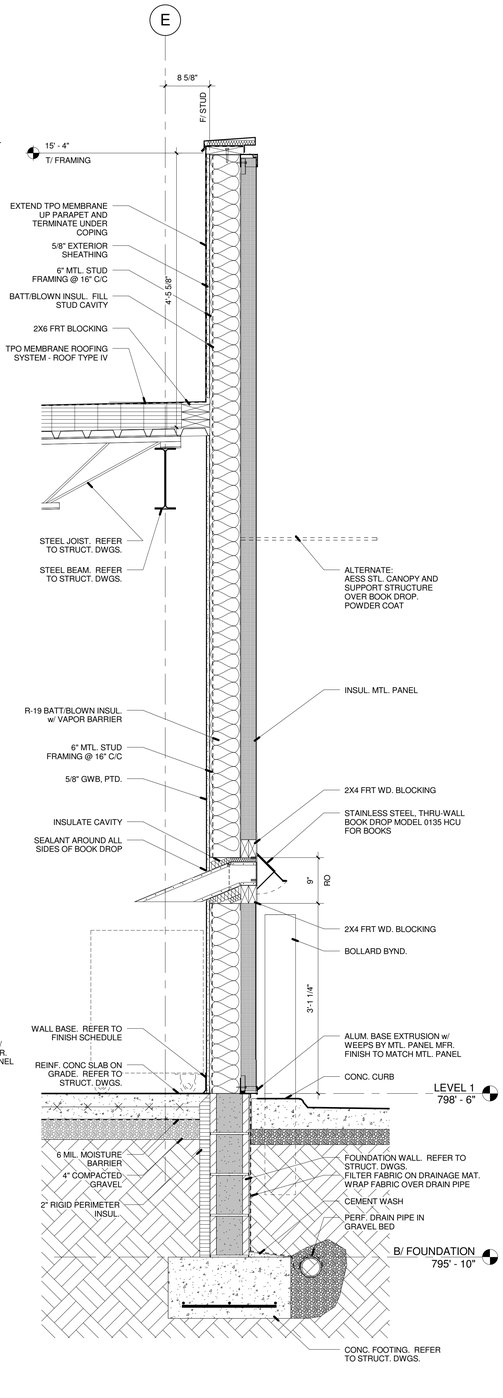
1 A3.06 WALL SECTION @ STAFF AREA
1" = 1'-0"



2 A3.06 WALL SECTION @ MEETING ROOM
1" = 1'-0"



3 A3.06 WALL SECTION @ MTL. PANEL
1" = 1'-0"



4 A3.06 SECTION THRU BOOK DROP
1" = 1'-0"

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No.	Description	Date
28	CB 19	08.18.14
	100% CD-ENCLOSURE/FINISHES BID & PERMIT SET	10.09.2013
	95% CD CLIENT REVIEW SET	09.27.2013
	80% CD CLIENT REVIEW SET	09.03.2013
	SITE & STRUCTURE BID & PERMIT PACKAGE	08.09.2013
	50% CD CLIENT REVIEW SET	08.09.2013
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	SD COST ESTIMATE - NOT FOR CONSTRUCTION	04.23.2013

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Project Title

Columbus Metropolitan Library Whitehall Branch

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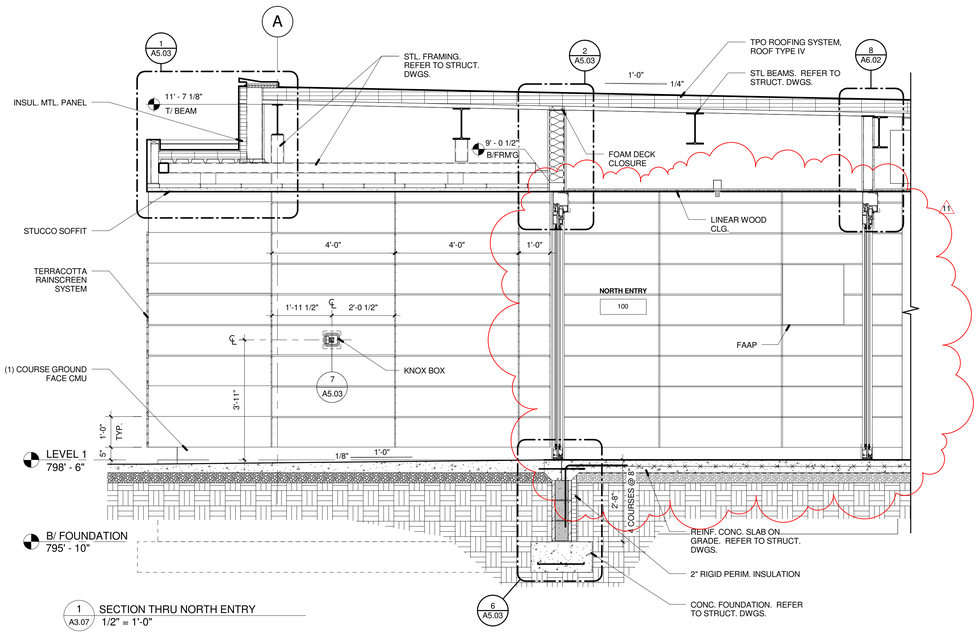
WALL SECTIONS

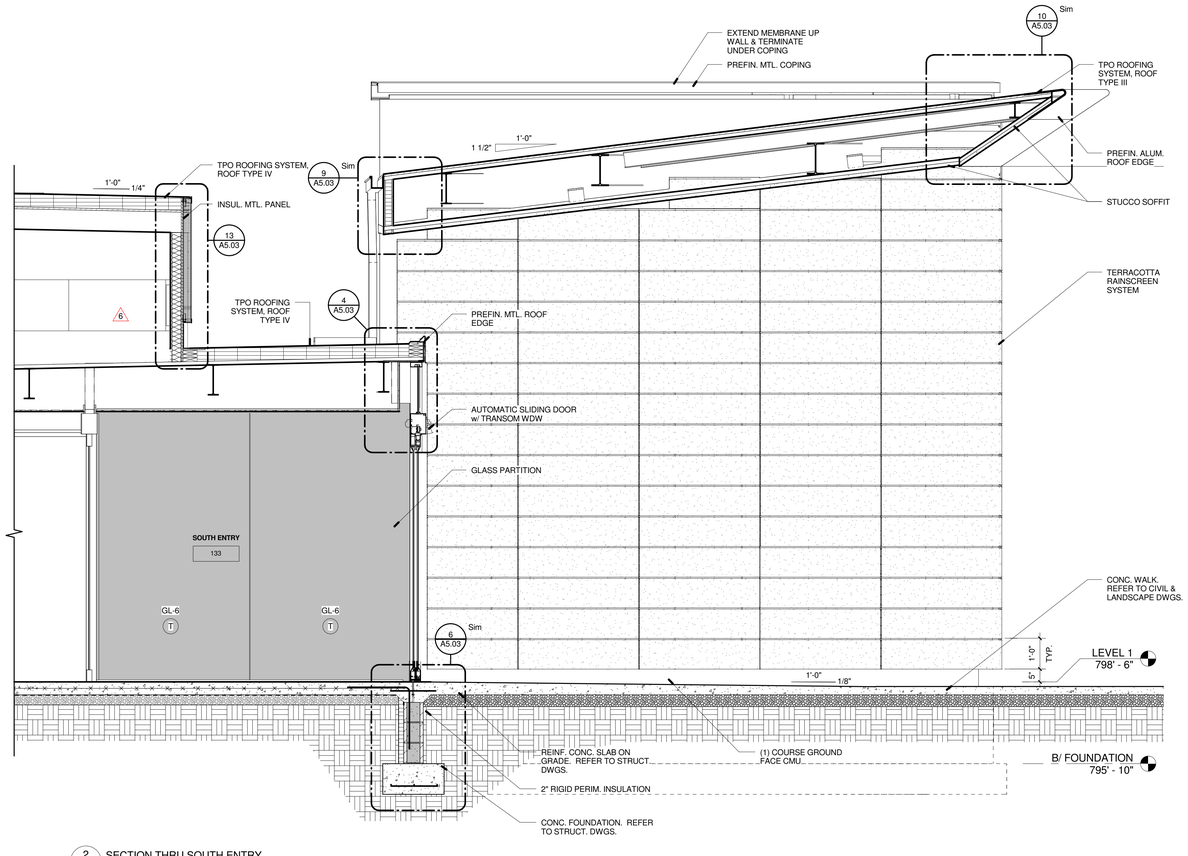
Date	Sheet Number
07.17.14	A3.06
Scale: As indicated	Project Number: 12100
PinC / PM / JC / Des / Dr: Author	

8/19/2014 3:10:06 PM

FULL SIZE: ARCH E1 30" x 42"



1 SECTION THRU NORTH ENTRY
A3.07 1/2" = 1'-0"



2 SECTION THRU SOUTH ENTRY
A3.07 1/2" = 1'-0"

NOTE:

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GLAZING LEGEND

BS	BACK SET GLASS
FS	FRONT SET GLASS
T	TEMPERED
GL-1	1" INSULATED CLEAR VISION GLASS
GL-2	1" INSULATED GLASS, BACK PAINTED (WHITE)
GL-3	1" INSULATED GLASS w/ WHITE FRIT : 50%
GL-4	1/2" FULLY TEMPERED FLOAT GLASS w/ PATTERNED FILM
GL-5	3/4" FULLY TEMPERED CLEAR FLOAT GLASS
GL-6	1/2" FULLY TEMPERED FLOAT GLASS

No.	Description	Date
	SD COST ESTIMATE - NOT FOR CONSTRUCTION	04.23.2013
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	50% CD CLIENT REVIEW SET	08.09.2013
	SITE & STRUCTURE BID & PERMIT SET	08.09.2013
	80% CD CLIENT REVIEW SET	09.03.2013
	95% CD CLIENT REVIEW SET	09.27.2013
	100% CD-ENCLOSURES/FINISHES BID & PERMIT SET	10.09.2013
6	ADDENDUM 4 (FF)	10.28.2013
11	CB 06 - CONFORMED SET	01.17.2014

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Project Title

Columbus Metropolitan Library Whitehall Branch

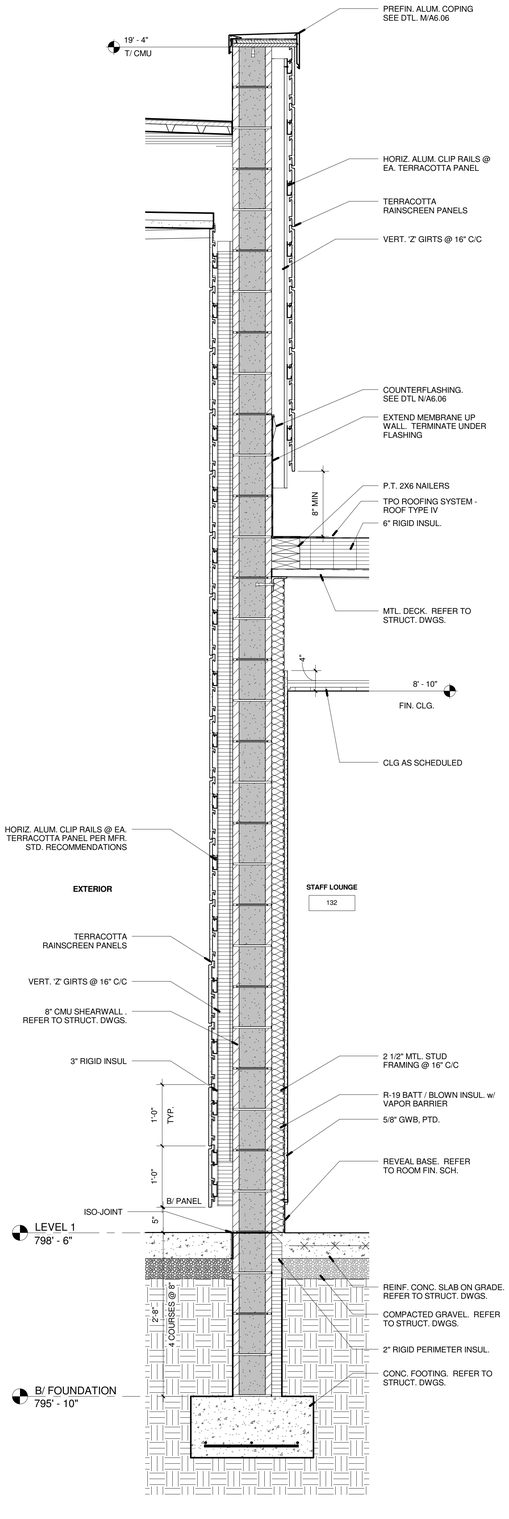
Drawing Title

WALL SECTIONS

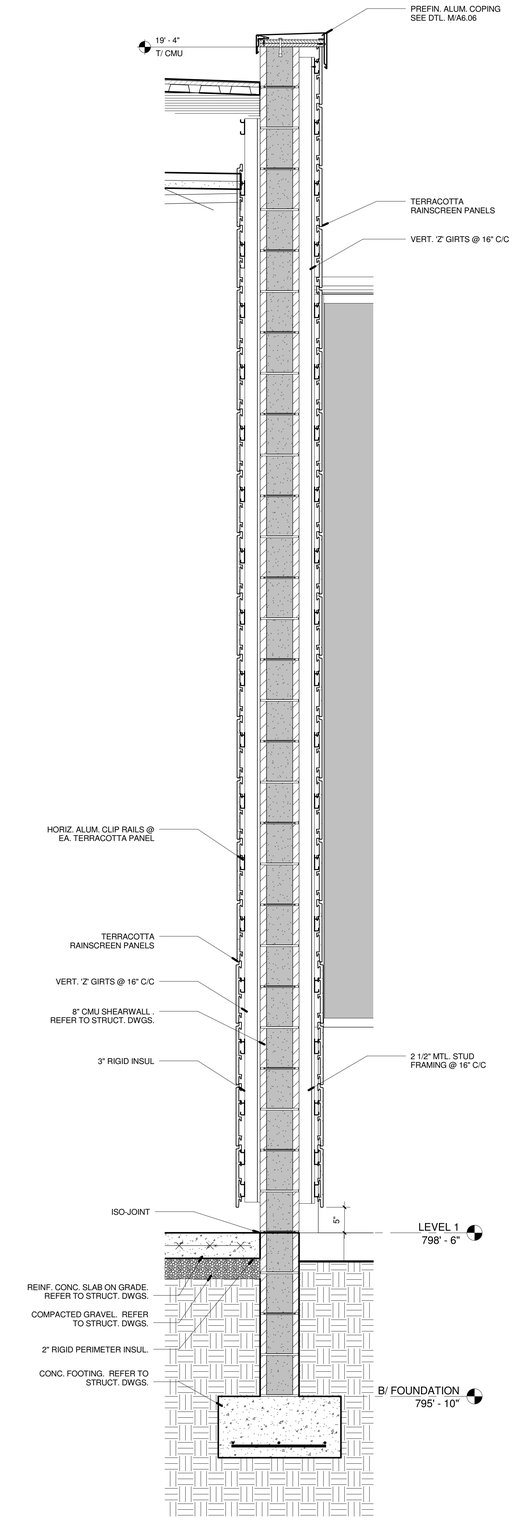
Date						Sheet Number
01.17.2014						A3.07
Scale		Project Number				
As indicated		12100				
PinC	PM	JC		Des	Dr	
					Author	

FULL SIZE: ARCH E1 30" x 42"

1/21/2014 5:23:19 PM



1 A3.08 SHEARWALL SECTION @ SOUTH ENTRY (east wall)
1" = 1'-0"



2 A3.08 WING WALL SECTION @ SOUTH ENTRY (east wall)
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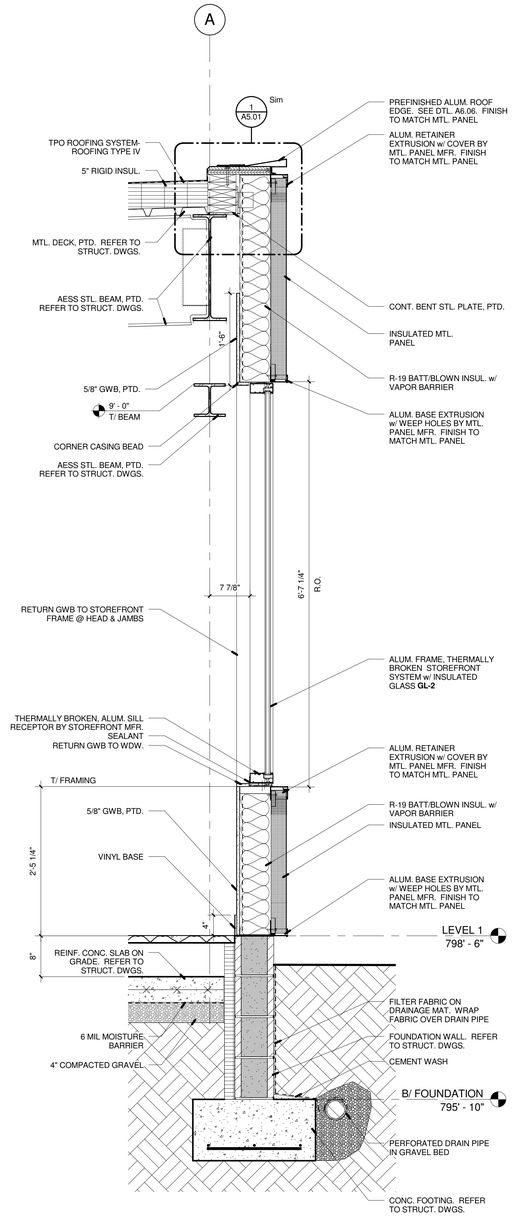

3 A3.08 WALL SECTION @ MECH 105
1" = 1'-0"

NOTE:

CONCRETE, MASONRY, STEEL STRUCTURE AND SITEWORK WAS SUBMITTED PREVIOUSLY UNDER A SEPARATE PERMIT.

GENERAL NOTES

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No.	Description	Date
	SD COST ESTIMATE - NOT FOR CONSTRUCTION	04.23.2013
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	50% CD CLIENT REVIEW SET	08.09.2013
	SITE & STRUCTURE BID & PERMIT SET	08.09.2013
	80% CD CLIENT REVIEW SET	09.03.2013
	95% CD CLIENT REVIEW SET	09.27.2013
	100% CD-ENCLOSURES/FINISHES BID & PERMIT SET	10.09.2013
11	CB 06 - CONFORMED SET	01.17.2014

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Project Title

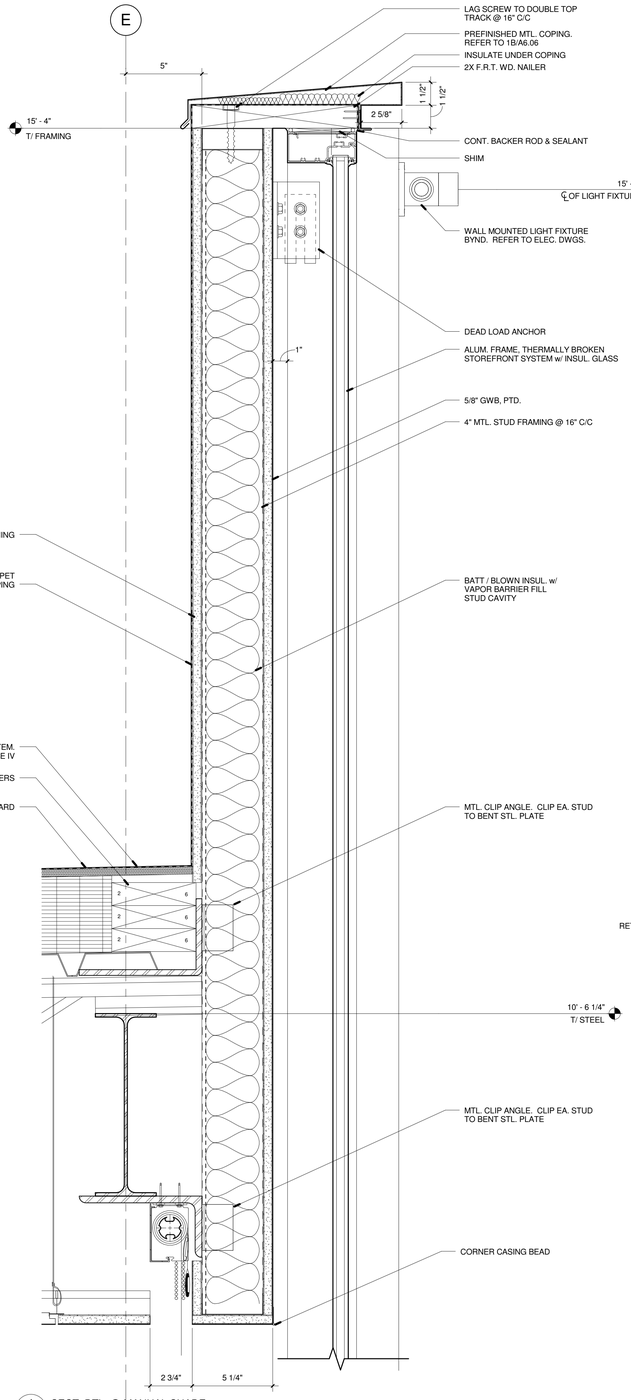
Columbus Metropolitan Library Whitehall Branch

Drawing Title

WALL SECTIONS

Date	Sheet Number
01.17.2014	**A3.08**
Scale: As indicated	Project Number: 12100

PinC	PM	JC	Des	Dr
				Author



1 A5.02 SECT. DTL. @ MANUAL SHADE
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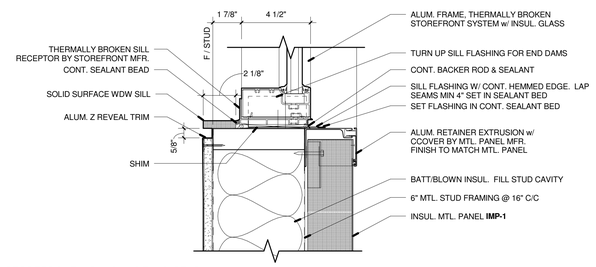

2 A5.02 STOREFRONT WDW SILL DTL. @ STUD WALL
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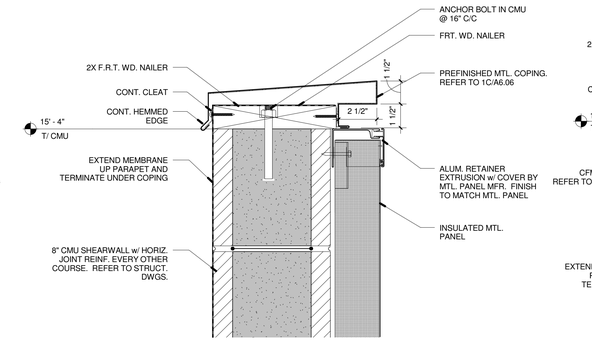
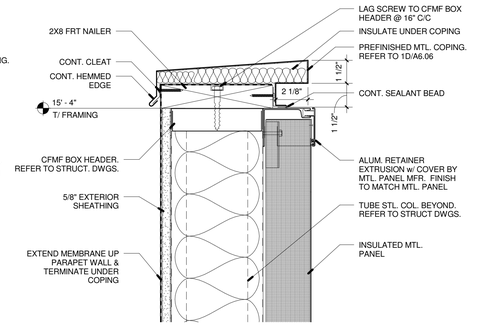
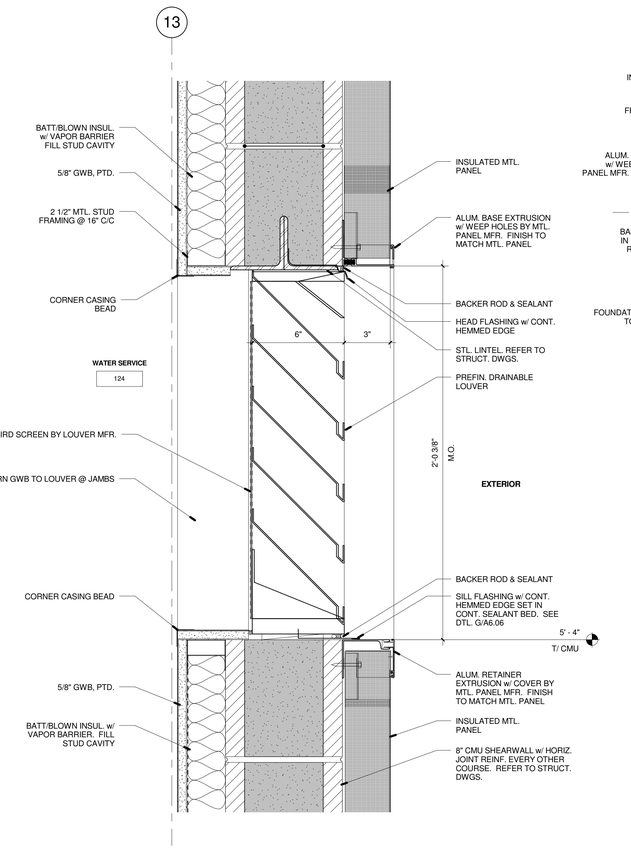


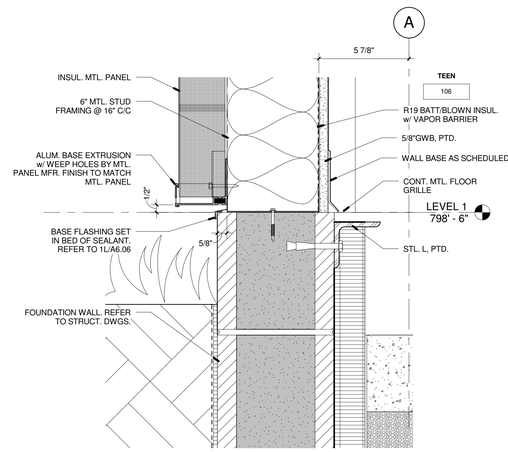
3 A5.02 PARAPET DTL. @ CMU/MTL. PANEL
3" = 1'-0"



5 A5.02 PARAPET DTL. @ MTL. PNL. (QUIET STUDY)
3" = 1'-0"



6 A5.02 SECTION DETAIL @ WALL LOUVER
3" = 1'-0"



8 A5.02 FOUNDATION DTL. @ MTL. PANEL
3" = 1'-0"

GENERAL NOTES

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3. ALL DIMENSIONS ARE TO FACE OF STUD OR CENTERLINE OF COLUMN, UNLESS NOTED OTHERWISE.

4. REFER TO SHEETS A4.01 THRU A4.06 FOR PARTITION AND WALL DIMENSIONS.

5. ALL TOILET ROOMS TO RECEIVE MOISTURE RESISTANT GYPSUM WALL BOARD.

6. SEE SHEET A7.01 FOR EXTENT OF RAISED ACCESS FLOORING.

7. ALL ACT CEILING LAYOUTS NOT DIMENSIONED ARE TO BE CENTERED IN THE ROOM.

8. ALL DOOR OPENINGS TO BE 4" FROM HINGE SIDE WALL UNLESS NOTED OTHERWISE.

No.	Description	Date
	SD COST ESTIMATE - NOT FOR CONSTRUCTION	04.23.2013
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	50% CD CLIENT REVIEW SET	08.09.2013
	SITE & STRUCTURE BID & PERMIT SET	08.09.2013
	80% CD CLIENT REVIEW SET	09.03.2013
	95% CD CLIENT REVIEW SET	09.27.2013
	100% CD-ENCLOSURES/FINISHES BID & PERMIT SET	10.09.2013
11	CB 06 - CONFORMED SET	01.17.2014

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Project Title

Columbus Metropolitan Library Whitehall Branch

Drawing Title

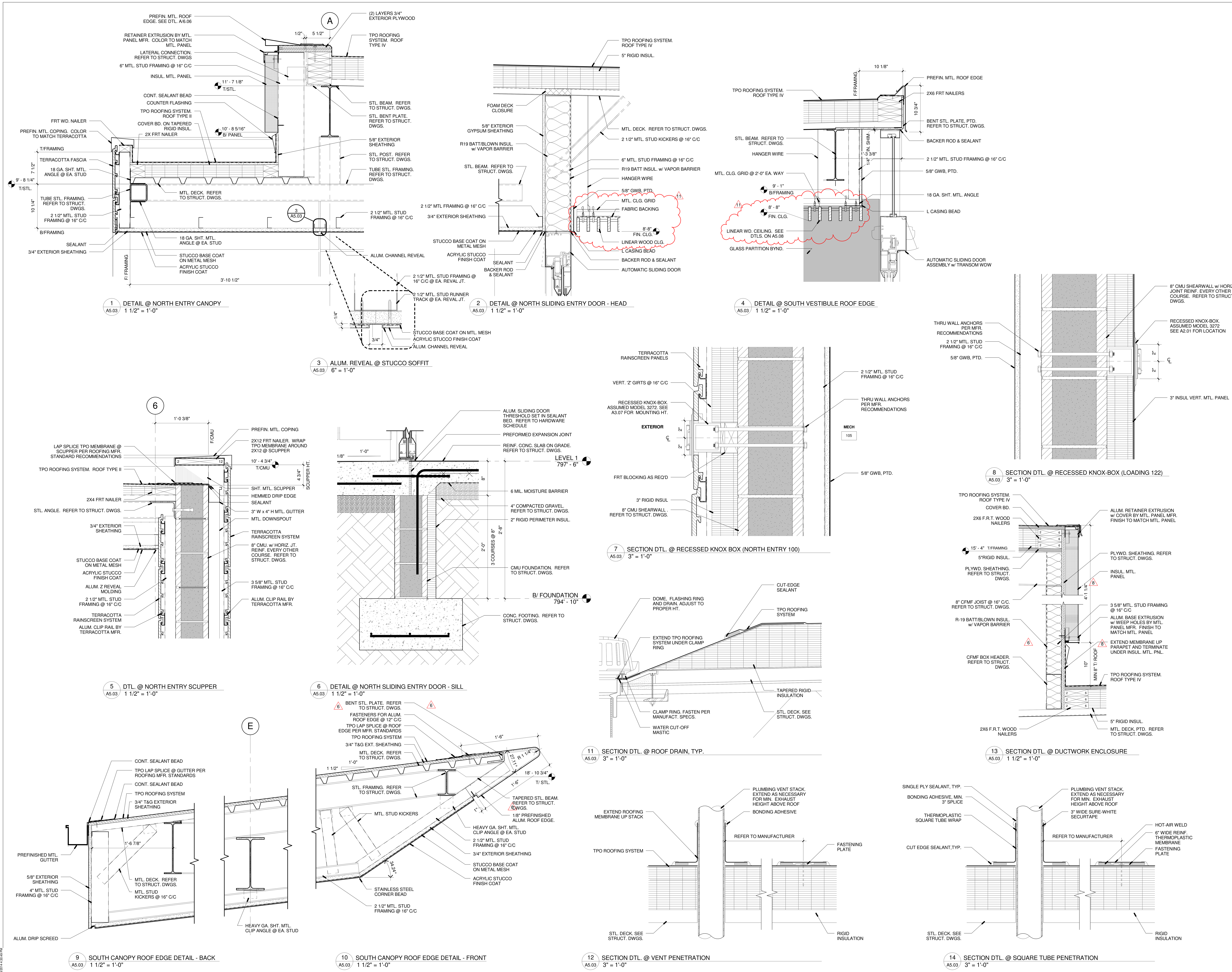
EXTERIOR DETAILS

Date	Sheet Number
01.17.2014	A5.02
Scale: As indicated	Project Number: 12100

PinC	PM	JC	Des	Dr
				Author

FULL SIZE: ARCH E1 30" x 42"

10/30/15 2:27:55 PM



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	80% CD CLIENT REVIEW SET	09.03.2013
	95% CD CLIENT REVIEW SET	09.27.2013
	100% CD-ENCLOSURES/FINISHES BID & PERMIT SET	10.09.2013
6	ADDENDUM 4 (FF)	10.28.2013
7	ASI 02	10.30.2013
8	ASI 03	12.12.13
11	CB 06 - CONFORMED SET	01.17.2014

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Project Title

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Drawing Title

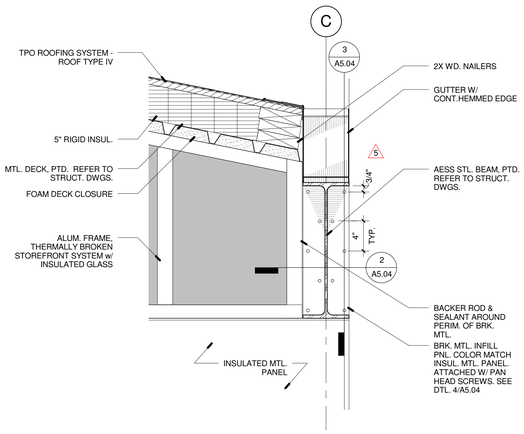
EXTERIOR DETAILS

Date	Sheet Number
01.17.2014	A5.03

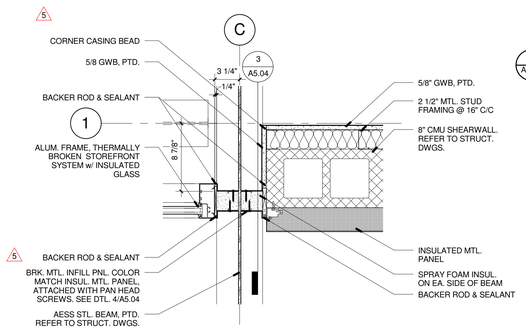
Scale	Project Number
As indicated	12100

PinC	PM	JC	Des	Dr
				Author

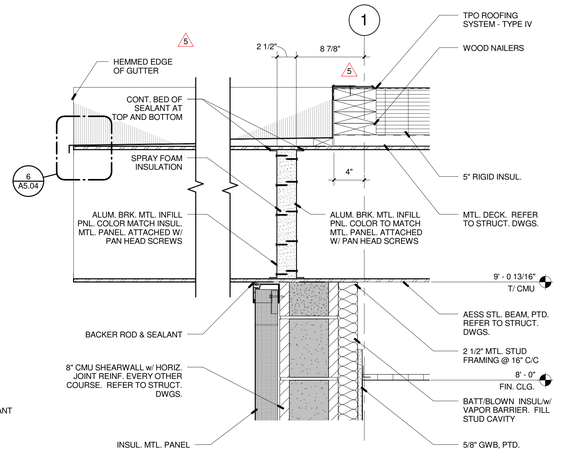
FULL SIZE: ARCH E1 30" x 42"



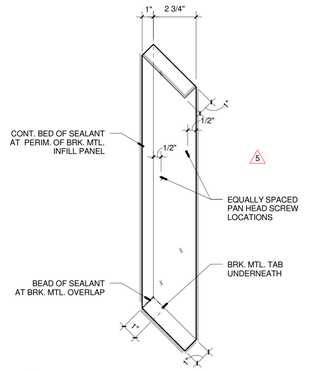
1 A5.04 SECT / ELEV DTL. @ BEAM PENETRATION
1 1/2" = 1'-0"



2 A5.04 PLAN DTL. @ BEAM PENETRATION
1 1/2" = 1'-0"

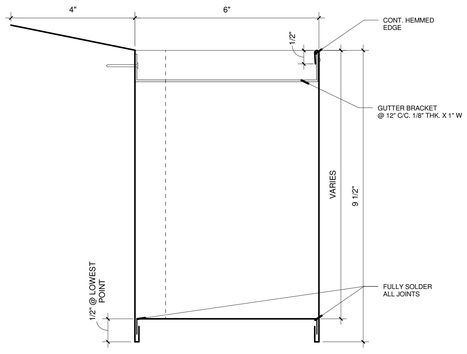


3 A5.04 SECT. DTL. @ BEAM PENETRATION
1 1/2" = 1'-0"



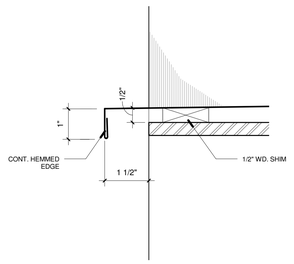
4 A5.04 PICTORAL VIEW @ ALUM. BRK. MTL. INFILL PANEL
3" = 1'-0"

5



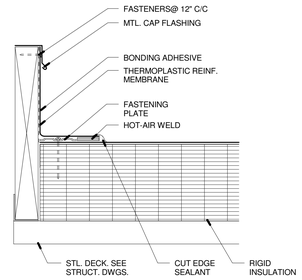
NOTE: PREFABRICATE GUTTER FROM 28 Ga. STAINLESS STL.

5 A5.04 GUTTER PROFILE DTL.
6" = 1'-0"



6 A5.04 GUTTER END DTL.
6" = 1'-0"

5



7 A5.04 SECT. DTL. @ CURB FLASHING
3" = 1'-0"

6

No.	Description	Date
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	100% CD-ENCLOSURES/FINISHES BID & PERMIT SET	10.09.2013
4	ADDENDUM 2 (FF)	10.18.2013
5	ADDENDUM 3 (FF)	10.24.2013
6	ADDENDUM 4 (FF)	10.28.2013
11	CB 06 - CONFORMED SET	01.17.2014

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Project Title

Columbus Metropolitan Library Whitehall Branch

Drawing Title

EXTERIOR DETAILS

Date	Sheet Number
01.17.2014	4 A5.04
Scale: As indicated	Project Number: 12100

PinC	PM	JC	Des	Dr
				Author

FULL SIZE: ARCH E1 30" x 42"

ABBREVIATIONS

AB	Anchor Bolt
ADD'L	Additional
ADJ	Adjacent
AFF	Above Finished Floor
ANC	Anchor
APPROX	Approximately
ARCH	Architect (ural)
B, BOT	Bottom
B PL	Base Plate
BLDG	Building
BLK	Block
BLKG	Blocking
BM	Beam
BRG	Bearing
BRK	Brick
BS	Both Sides
BSMT	Basement
BTWN	Between
CB	Concrete Beam
c/c	Center-to-Center
CE	Continuous End
CJ	Control Joint
CLR	Clear
CMU	Concrete Masonry Units
COL	Column
CONC	Concrete
CONN	Connect (ion)
CONST	Construct (ion)
CONT	Continuous (ation)
CONTR	Contractor
CTR	Center
CW	Curtain Wall
CY	Cubic Yards
DA	Drilled Anchor
DBL	Double
DBLS	Double Ties
DE	Discontinuous End
DET	Detail
DIA,ø	Diameter
DIAG	Diagonal
DIM	Dimension
DL	Dead Load
DR	Distribution Rib
DWG	Drawing
DWL	Dowel
E	East
E-, EXTG	Existing
EA	Each
EE	Each End
EF	Each Face
EJ	Expansion Joint
EL	Elevation
ELEV	Elevator
EMBED	Embedded (ment)
ENGR	Engineer
EOS	Edge of Slab
EQ	Equal
ES	Each Side
EW	Each Way
EXP	Expansion
EXT	Exterior
FAB	From Adjacent Beam
FABR	Fabricate (or)
FD	Floor Drain
FFE	Finished Floor Elevation
FIN	Finished
FL	Full Length
FLR	Floor
FND	Foundation
FOM	Face of Masonry
FOS	Face of Sheathing
FOV	Face of Veneer
FOW	Face of Wall
FS	Far Side
FT	Feet, Foot
FTG	Footing
GA	Gage
GALV	Galvanized
GC	General Contractor
GEN	General
GR	Grade
GRND	Ground
GRTG	Grating
H,HORIZ	Horizontal
HD	Headed
HK	Hook
HS	High-Strength
HVAC	Heating Ventilating Air Conditioning
ID	Inside Diameter (Dimension)
IF	Inside Face
IN	Inch
INT	Interior, Intermediate
JT	Joint
JST	Joist
K	Kip (1000 pounds)
KSF	Kips per Square Foot
LAT	Lateral
LBS, #	Pounds
LL	Live Load
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LNTL	Lintel
LOC	Location
LSH	Long Side Horizontal
LSL	Long Slotted Holes
LSV	Long Side Vertical
LVL	Laminated Veneer Lumber
LW	Long Way
MAS	Masonry
MAT'L	Material
MAX	Maximum
MBR	Member
MECH	Mechanical
MEZZ	Mezzanine
MFR	Manufacture (r)
MIN	Minimum
MISC	Miscellaneous
MO	Masonry Opening
MPH	Miles per Hour
MTL	Metal
N	North
N/A	Not Applicable
NF	Near Face
NIC	Not In Contract
NO, #	Number
NOM	Nominal
NS	Near Side
NSH	Normal Slotted Holes
NTS	Not to Scale
OC	On Center (s)
OD	Outside Diameter
OF	Outside Face
o/o	Out-to-Out
OPNG	Opening
OPP	Opposite (Hand)
OPT	Optional
ORIG	Original
OSB	Oriented Strand Board
OSL	Out Standing Leg
OVHD	Overhead
OVS	Oversize Round Holes
P/C	Precast Concrete
PAF	Powder Actuated Fastener(s)
PLF	Pounds per Linear Foot
PLWD	Plywood
PNL	Panel
PREL	Preliminary
PROJ	Project
PSI	Pounds per Square Inch
PSF	Pounds per Square Foot
PSL	Parallel Strand Lumber
QTY	Quantity
RD	Roof Drain
REF	Reference
REINF	Reinforce (ing) (ed)
REQ	Require (ments)
REQD	Required
REV	Revise (ion), (ed)
RF	Roof
RM	Room
RTU	Roof Top Unit
S	South
SC	Slip-critical
SCHED	Schedule
SECT	Section
SHT	Sheet
SIM	Similar
SL	Slope(d)
SP	Space(s) (ed)
SPEC	Specification (s)
SPL	Splice
SQ	Square
SS	Stainless Steel
SSL	Short Slotted Holes
STA	Station
STD	Standard
STIFF	Stiffener
STL	Steel
STRUCT	Structure (al)
SVC	Service
SW	Short Way
SYM	Symmetrical
T	Top
T/	Top of
T&B	Top and Bottom
TEMP	Temperature, Temporary
THD	Threaded
THK	Thick (ness)
TOS	Top of Steel
TOSL	Top of Slab
TOT	Total
TYP	Typical
UN	Unless Noted
UNO	Unless Noted Otherwise
V, VERT	Vertical
W	West
w/	With
W/C	Water/Cement Ratio
W/O	Without
WD	Wood
WL	Wind Load
WP	Work (ing) Point
WT	Weight
WWR	Welded Wire Reinforcing
XS	Extra Strong
XXS	Double Extra Strong
CL	Centerline
PL	Plate
#/FT	Pounds per Lineal Foot

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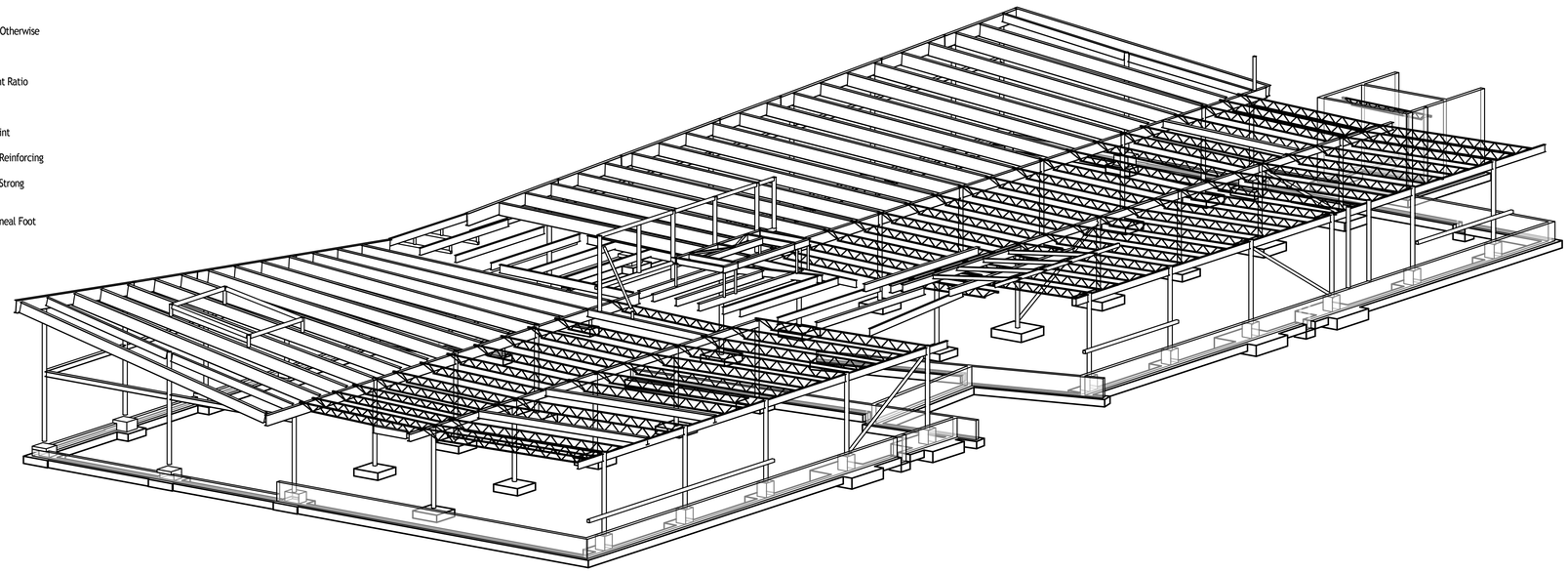
SHEET INDEX	
Sheet Number	Sheet Name
S0.01	COVER SHEET
S0.02	GENERAL NOTES
S0.03	SCHEDULES
S1.01	FOUNDATION PLAN
S1.02	ROOF FRAMING PLAN
S2.01	SECTIONS
S2.02	SECTIONS
S2.03	SECTIONS
SK-01	BULLETIN 01
SK-02	BULLETIN 01
SK-03	BULLETIN 01



3D BULDING VIEW

NOTES
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STATE OF OHIO
ROBERT A. BAUMANN
E-49337
REGISTERED
PROFESSIONAL ENGINEER
6/13/13

No.	Description	Date
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	SITE & STRUCTURE BID & PERMIT PACKAGE	08.09.2013
	80% CD Client Review Set	09.04.2013
	95% CD Review Set	09.27.2013
	100% CD - Enclosure and Finishes Bid & Permit Set	10.09.2013

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Project Title
Columbus Metropolitan Library Whitehall Branch

Drawing Title
COVER SHEET

Date	Sheet Number
6/14/13	S0.01
Scale: as shown	Project Number: 12100
PinC / PM / JC / Des / Dr	

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smbh job no: 112-033

01000 - GENERAL STRUCTURAL NOTES

1. THE GENERAL STRUCTURAL NOTES ARE INTENDED TO AUGMENT THE DRAWINGS AND SPECIFICATIONS. SHOULD CONFLICTS EXIST BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE GENERAL STRUCTURAL NOTES, THE STRICTEST PROVISION SHALL GOVERN.
2. GOVERNING CODE: OHIO BUILDING CODE - 2011 EDITION.
3. SEE STRUCTURAL PLANS FOR DESIGN SOIL BEARING PRESSURE AND LIVE LOADS. LIVE LOADS REDUCED IN ACCORDANCE WITH THE GOVERNING CODE.
4. ROOF SNOW LOAD:
   - GROUND SNOW LOAD (Pg) - 20 PSF
   - SNOW EXPOSURE FACTOR (Ce) - 1.0
   - IMPORTANCE FACTOR (Is) - 1.1
   - THERMAL FACTOR (Ct) - 1.0
   - FLAT ROOF SNOW LOAD (Pf) - 22 PSF
5. WIND LOAD:
   - BASIC WIND SPEED - 90 MPH
   - IMPORTANCE FACTOR (Iw) - 1.15
   - EXPOSURE CATEGORY - EXPOSURE C
   - INTERNAL PRESSURE COEFFICIENT(G Cpi) - ±0.18
6. SEISMIC LOAD:
   - OCCUPANCY CATEGORY - III
   - IMPORTANCE FACTOR (Ie) - 1.25
   - MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD (Ss) - 0.145
   - MAPPED SPECTRAL RESPONSE ACCELERATION AT ONE-SECOND PERIOD (S1) - 0.058
   - SITE CLASS - D
   - SPECTRAL RESPONSE COEFFICIENT AT SHORT PERIOD (SDs) - 0.155
   - SPECTRAL RESPONSE COEFFICIENT AT ONE-SECOND PERIOD (SD1) - 0.093
   - SEISMIC DESIGN CATEGORY - B
   - DESIGN BASE SHEAR - 40K
   - SEISMIC RESPONSE COEFFICIENT (Cs) - 0.097

   BASIC SEISMIC FORCE RESISTING SYSTEM:
   H-STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE (R=3, Cd=3)
   A9-ORDINARY REINFORCED MASONRY SHEAR WALLS (R=2, Cd=1 3/4)
   DESIGN BY EQUIVALENT LATERAL FORCE PROCEDURE
7. MECHANICAL FRAMING LOADS, OPENINGS, AND STRUCTURE IN ANY WAY RELATED TO MECHANICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF MECHANICAL AND OTHER TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN MECHANICAL REQUIREMENTS TO BE BORNE BY MECHANICAL CONTRACTOR. COORDINATE SIZE AND LOCATION OF ALL OPENINGS WITH THE MECHANICAL DRAWINGS.
8. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE [DEMOLITION PROCEDURES,] ERECTION PROCEDURES AND SEQUENCES AND TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS, OR TIE-DOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
9. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
10. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS RELATING TO EXISTING CONSTRUCTION AND EXISTING SERVICE ON THE SITE.
11. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF COLUMNS, WALLS, OPENINGS ETC. WITH THE ARCHITECTURAL DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.

033000S REINFORCED CONCRETE

1. SPECIFICATIONS AND STANDARDS:
   ALL CONCRETE WORK, DETAILING, FABRICATION AND PLACING OF BARS AND CONCRETE SHALL BE GOVERNED BY THE APPLICABLE VERSION OF:
   A. ACI 117, ACI 301, ACI 315, AND ACI 318.
   B. CRSI RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS.
   C. ACI 306 AND ACI 305 FOR WINTER AND HOT WEATHER CONCRETING, RESPECTIVELY.
   THE CONTRACTOR SHALL AT ALL TIMES HAVE A COPY OF THE RELEVANT SPECIFICATIONS QUOTED ABOVE ON THE SITE AND THE SUPERVISORY PERSONNEL SHALL BE THOROUGHLY FAMILIAR WITH THE CONTENTS THEREOF.
2. CONTINGENCIES:
   A. LEAN CONCRETE UNDER FOUNDATIONS FOR EARTH FILL DUE TO ACCIDENTAL OVER EXCAVATION OR SOFT SPOTS.
3. CONCRETE REQUIREMENTS AND LOCATION IN JOB:

CLASS	LOCATION	F'C	SPECIAL REQUIREMENTS
1	FOOTINGS, WALLS, PIERS	3000 PSI	
2	EXTERIOR CONCRETE	4000 PSI	5% ±1% AIR CONTENT
3	INTERIOR SLABS-ON-GRADE	3500 PSI	
4	MASONRY GROUT	3000 PSI	7" SLUMP 3/8" MAX. AGG.
5	EARTH FILL	1500 PSI	NO TESTS

   SUBMIT CONCRETE MIXES FOR APPROVAL IN ACCORDANCE WITH ACI 301 BEFORE PLACING ANY CONCRETE.
4. REINFORCING REQUIREMENTS:
   A. BARS: ASTM A615, A616, A617 - GRADE 60.
   B. WELDED WIRE REINFORCING: ASTM A185.
5. FOOTINGS:
   A. DOWELS IN FOOTINGS TO MATCH VERTICAL REINFORCING IN CONCRETE WALLS, COLUMNS OR PIERS. DOWELS IN FOOTING FOR MASONRY WALLS ARE NOT REQUIRED UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DETAILS.
   B. BEND ALL BARS 24 DIAMETERS AROUND CORNERS OF FOOTINGS. BARS AT THE INSIDE FACE OF THE CORNER SHALL BE CONTINUED ACROSS TO THE OUTSIDE AND THEN BENT.
6. MISCELLANEOUS:
   A. IF NO OTHER REINFORCING IS SHOWN IN A SLAB ON GRADE, PROVIDE 6x6-W1.4x W1.4 WWR AT MID-THICKNESS OF SLAB.
   B. LAP WELDED WIRE REINFORCING 1 SPACE + 2" AT ALL EDGES AND ENDS OF SHEET.
   C. DO NOT BACKFILL AGAINST FOUNDATION WALLS UNTIL BOTH ADJACENT FLOOR SLABS ARE IN PLACE OR WHERE FILL IS ON BOTH SIDES OF A WALL, BRING THE FILL UP UNIFORMLY.
   D. CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE STRUCTURAL ENGINEER.
   E. PROVIDE ONE #4x3'-0" DIAGONAL REINFORCING BAR AT MID-DEPTH OF SLAB AT ALL RE-ENTRANT CORNERS OF SLABS ON GRADE.

042000 - CONCRETE UNIT MASONRY

1. COMPRESSIVE STRENGTH OF MASONRY (f'm) 1500 PSI, DETERMINED BY UNIT STRENGTH OR PRISM METHOD.
2. MASONRY MATERIALS:
   A. HOLLOW AND SOLID LOAD BEARING CONCRETE MASONRY UNITS - ASTM C90 - NORMAL WEIGHT.
3. MORTAR:
   A. CONCRETE UNIT MASONRY WALLS - ASTM C270 TYPE S.
4. COARSE MASONRY GROUT: SEE REINFORCED CONCRETE GENERAL NOTES.
5. MASONRY REINFORCEMENT:
   A. HORIZONTAL JOINT REINFORCEMENT: 9 GA DEFORMED WIRE, LADDER TYPE REINFORCEMENT.
      1. IN EVERY SECOND BLOCK COURSE, FULL HEIGHT, AND WHERE SHOWN ON DRAWINGS.
      2. IN FIRST BED JOINT ABOVE AND BELOW OPENINGS EXTENDING 24" BEYOND OPENING.
      3. LAP REINFORCEMENT A FULL WIDTH AT CORNERS AND INTERSECTIONS.
6. BEARING POINTS:
   A. BEAMS: 3 COURSES x 24" WIDE SOLID OR GROUTED SOLID MASONRY.
   B. JOISTS & LINTELS: 2 COURSES x 16" WIDE SOLID OR GROUTED SOLID MASONRY.
7. REINFORCED MASONRY:
   A. INSTALL REINFORCING BARS IN LOCATIONS SHOWN. LAP SPLICE REINFORCING 48 BAR DIAMETERS UNLESS NOTED.
   B. GROUT BLOCK WITH COARSE MASONRY GROUT VIBRATED IN PLACE TO FILL ALL VOIDS AND INTERSTICES. FOLLOW RECOMMENDATIONS OF NCMA TEK NO. 3-2.
8. POST-INSTALLED SLEEVE ANCHORS:
   ONE PIECE WRAP AROUND EXPANSION SLEEVE. THE ENTIRE ANCHOR SHALL BE CARBON STEEL MEETING THE FOLLOWING REQUIREMENTS.

ANCHOR SIZE	MINIMUM EMBEDMENT	PULLOUT (LBS)	SHEAR (LBS)
1/4" DIAMETER	1"	250	235
3/8" DIAMETER	1 1/4"	400	650
1/2" DIAMETER	2 1/4"	800	950
5/8" DIAMETER	3"	950	1250
3/4" DIAMETER	3 1/2"	1250	1900

   LOADS INDICATED ABOVE ARE SERVICE LOADS IN POUNDS FOR SLEEVE ANCHORS IN CONCRETE MASONRY CONSTRUCTION. ANCHORS TO BE INSTALLED IN FULLY GROUTED CELLS.
9. POST-INSTALLED ADHESIVE ANCHORS:
   EMBED IN EPOXY RESIN ADHESIVE. THE ENTIRE ANCHOR SHALL BE ASTM A36 CARBON STEEL MEETING THE FOLLOWING REQUIREMENTS:

ANCHOR SIZE	MINIMUM EMBEDMENT	PULLOUT(LBS.)	SHEAR(LBS)
3/8" DIAMETER	3 1/2"	1550	1050
1/2" DIAMETER	4 1/4"	1750	1900
5/8" DIAMETER	5"	2250	2000
3/4" DIAMETER	7"	3700	2000

   LOADS INDICATED ABOVE ARE SERVICE LOADS FOR STEEL ANCHORS IN CONCRETE MASONRY CONSTRUCTION. ANCHORS TO BE INSTALLED IN FULLY GROUTED CELLS.

051200 - STRUCTURAL STEEL FRAMING

1. SPECIFICATIONS AND STANDARDS:
   UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY
   A. ANSI/AISC 360 - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS. ASD
   B. AISC 341 SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS, INCLUDING SUPPLEMENT 1.
   C. AISC 303 - CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
   D. AWS STANDARD WELDING SYMBOLS.
   E. AWS D1.1 STRUCTURAL WELDING CODE - STEEL. WELDING SHALL BE PERFORMED ONLY BY OPERATORS QUALIFIED, BY THE AWS STANDARD QUALIFICATION PROCEDURE, TO PERFORM THE PARTICULAR TYPE OF WORK REQUIRED.
   F. SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.
2. TESTING:
   A. WELDS: NON_DESTRUCTIVE TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY ON ALL CRITICAL WELDS AND ON 25% OF NONCRITICAL WELDS. INADEQUATE WELDS SHALL BE STRENGTHENED OR CUT OUT AND REPLACED AS DIRECTED. CRITICAL WELDS SHALL BE DEFINED AS ALL FULL PENETRATION WELDS, ALL WELDS IN MOMENT CONNECTIONS AND AS NOTED AS CRITICAL WELDS ON THE STRUCTURAL DETAILS.
   B. STRUCTURAL STEEL: PROVIDE MILL REPORTS FOR PROPERLY IDENTIFIED MATERIALS ON REQUEST.
   C. A325 AND A490 BOLTS: PROVIDE BOLT INSPECTION AS DETAILED IN SECTION 9 OF SPECIFICATIONS FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS.
3. MATERIALS:
   A. "W" SHAPES: ASTM A992 Fy = 50 KSI.
   B. CHANNELS: ASTM A36.
   C. ANGLES, PLATES AND BARS: ASTM A36.
   D. STRUCTURAL PIPES: ASTM A53 GR B.
   E. RECTANGULAR HOLLOW STRUCTURAL SECTIONS: ASTM A500 GR B, Fy = 46 KSI.
   F. ROUND HOLLOW STRUCTURAL SECTIONS: ASTM A500, GR.B, Fy = 42 KSI.
   G. WELDING ELECTRODES: AWS A5.1 OR A5.5 SERIES E70.
   H. BOLTS: ASTM A325.
   I. ANCHOR RODS: ASTM F1554 GR.36.
   J. PAINT AND PROTECTION - NONE EXCEPT AS NOTED BELOW:
      1. INTERIOR MEMBERS EXPOSED TO VIEW IN THE FINISHED STRUCTURE - PRIME COAT, TOUCH UP AFTER ERECTION.
      2. MEMBERS EXPOSED TO WEATHER IN FINISHED STRUCTURE, SHELF ANGLES AND LINTELS IN EXTERIOR WALLS - GALVANIZED PER ASTM A123 AFTER FABRICATION.
   K. SHRINKAGE-RESISTANT GROUT: ASTM C1107, NON-METALLIC AGGREGATE, NON-CORROSIVE, NON-STAINING.
4. LINTELS:
   A. LINTELS FOR EXTERIOR WALL OPENINGS - HOT DIPPED GALVANIZED.
   B. 8" BEARING EACH SIDE OF OPENINGS UNLESS NOTED.
   C. UNLESS SHOWN OTHERWISE, PROVIDE 1 ANGLE FOR EACH 4" WALL THICKNESS AS FOLLOWS:

MASONRY OPENING	ANGLE SIZE
3'-6" OR LESS	L 3 1/2x3 1/2x1/4
3'-7" TO 5'-0"	L 4x3 1/2x1/4 LLV
5'-1" TO 8'-0"	L 5x3 1/2x5/16 LLV
8'-1" TO 10'-0"	L 6x3 1/2x5/16 LLV

5. CONNECTION REQUIREMENTS:
   A. DESIGN CONNECTIONS FOR VERTICAL REACTIONS SHOWN ON DRAWINGS OR FOR FULL CAPACITY OF MEMBER WHERE NO REACTION IS SHOWN.
   B. DESIGN MOMENT BEAM CONNECTIONS FOR VALUES SHOWN OR FOR FULL MOMENT CAPACITY OF MEMBER.
   C. CONNECTIONS SHOWN AND DETAILED ON THE DRAWINGS MAY BE REDESIGNED BY THE STRUCTURAL STEEL CONTRACTOR FOR EQUAL FORCES PROVIDED THE SAME ARRANGEMENT OF MEMBERS IS USED AND THE OVERALL SIZE OF THE CONNECTION DOES NOT EXCEED THAT OF THE CONNECTION DETAILED.
   D. OBTAIN APPROVAL FROM STRUCTURAL ENGINEER FOR TYPES OF CONNECTIONS BEFORE FABRICATION.
   E. ALL BOLTED CONNECTIONS TO BE SHEAR/BEARING TYPE WITH BOLTS IN THE SNUG TIGHT CONDITION UNLESS NOTED OTHERWISE.
6. MISCELLANEOUS REQUIREMENTS:
   A. PROVIDE HOLES FOR OTHERS. IF SECTION IS WEAKENED BY MORE THAN 15% BY AN OPENING NOT SHOWN ON THE DRAWINGS, OBTAIN PRIOR APPROVAL.
   B. STEEL FRAMING FOR OPENINGS FOR, SUPPORTING OR CONNECTING TO MECHANICAL OR OTHER EQUIPMENT IS SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE SIZES AND LOCATIONS WITH MECHANICAL AND OTHER REQUIREMENTS BEFORE PROCEEDING WITH THE WORK. CONTRACTOR SHALL COORDINATE SIZES AND LOCATIONS OF STEEL ANGLE FRAMES FOR OPENINGS THAT ARE SHOWN ON THE MECHANICAL AND ARCHITECTURAL DRAWINGS.
   C. STEEL BELOW GRADE TO BE PROTECTED BY A MINIMUM OF 3" OF CONCRETE OR 4" OF MASONRY.
   D. 1/4" THICK SETTING PLATES FOR ALL BEAMS BEARING ON MASONRY OR CONCRETE WHICH DO NOT REQUIRE A BEARING PLATE. ANCHOR THE SETTING PLATE TO THE WALL W/ TWO -1/2"x6" HEADED STUDS.

052100 - STEEL JOIST FRAMING

1. DESIGN, MANUFACTURING, AND ERECTION: ACCORDING TO THE STANDARD SPECIFICATIONS, LOAD TABLES & WEIGHT TABLES FOR STEEL JOISTS & JOIST GIRDERS ADOPTED BY THE STEEL JOIST INSTITUTE.
2. STEEL JOISTS OF THE SAME DEPTH AND CHORD DESIGNATION SHALL HAVE MEMBER SIZES OF UNIFORM CONSISTENCY.
3. PAINT ALL JOISTS WITH MANUFACTURERS STANDARD SHOP PRIMER EXCEPT THAT BLACK ASPHALT NOT PERMITTED.
4. PROVIDE ADDITIONAL WEB MEMBERS AS REQUIRED AT CONCENTRATED LOADS THAT DO NOT OCCUR AT PANEL POINTS.
5. BRIDGING:
   A. ANCHOR ALL BRIDGING TO INTERSECTING WALLS AND BEAMS UNLESS OTHERWISE SHOWN
   B. BRIDGING QUANTITY AND SPACING AS REQUIRED BY SJI.
6. CONNECTIONS TO SUPPORTING STEEL:
   A. WELDING - 2" OF 1/8" FILLET EA. SIDE FOR K AND KCS JOISTS.
   B. BOLTING - (2) 1/2" DIAMETER A307 FOR K AND KCS JOISTS.
   C. BOLT JOISTS AT OR NEAREST TO COLUMNS.
   D. EXTEND BOTTOM CHORD OF JOISTS IN LINE WITH COLUMNS TO STABILIZER PLATES ON COLUMNS OR BEAMS.
7. PROVIDE MATCHING HEIGHT SEATS ON JOISTS THAT HAVE COMMON BEARING.
8. ADJACENT JOISTS OF THE SAME DEPTH ARE TO HAVE WEB MEMBERS IN LINE TO PERMIT PASSAGE OF MECHANICAL DUCTS.

053100 - STEEL DECKING

1. SPECIFICATIONS AND STANDARDS:
   A. DESIGN FABRICATION AND ERECTION OF STEEL DECK SHALL BE GOVERNED BY THE LATEST EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE, SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
   B. PROPERTIES OF THE STRUCTURAL STEEL DECK SHALL BE COMPUTED IN ACCORDANCE WITH THE REFERENCE STANDARD. THE PROPERTIES SHALL BE PUBLISHED IN THE MANUFACTURER'S CATALOG.
   C. AWS STANDARD WELDING SYMBOLS.
   D. AWS D1.3 SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES.
   E. WELDING SHALL BE PERFORMED ONLY BY OPERATORS QUALIFIED, BY THE AWS STANDARD QUALIFICATION PROCEDURE, TO PERFORM THE PARTICULAR TYPE OF WORK REQUIRED.
2. MATERIALS:
   A. GALVANIZED STEEL DECK: ASTM A653 STRUCTURAL QUALITY GRADE 33 WITH COATING DESIGNATION G60.
   B. WELDING ELECTRODES: AWS A5.1, A5.5 OR A5.18 SERIES E60.
3. ERECTION AND CONNECTIONS:
   A. MINIMUM BEARING: 2 INCHES UNLESS OTHERWISE SHOWN.
   B. ANCHOR STEEL DECK TO STEEL SUPPORTING MEMBERS WITH 5/8" DIAMETER PUDDLE WELDS AT A MAXIMUM AVERAGE SPACING OF 12 INCHES UNLESS SHOWN OTHERWISE.
   C. FOR DECK SPANS GREATER THAN FIVE FEET, SIDE LAP FASTENERS SHALL BE SPACED AT INTERVALS NOT EXCEEDING 18 INCHES, UNLESS NOTED, USING #10 SCREWS, 5/8" DIAMETER PUDDLE WELDS, OR 1" LONG FILLET WELDS.
4. OPENINGS IN STEEL DECK.
   A. OPENINGS CUT IN THE STEEL DECK SHALL BE REINFORCED OR SHALL BE SUPPORTED ON STEEL ANGLE FRAMES. COORDINATE SIZES AND LOCATIONS WITH THE MECHANICAL AND ARCHITECTURAL DRAWINGS.
   B. OPENINGS IN STEEL DECK EQUAL TO OR LESS THAN 12"x12" SHALL BE REINFORCED WITH A 24"x24" - 16 GAGE PLATE SCREWED OR WELDED TO THE DECK RIBS ON ALL SIDES OF THE OPENING.
   C. OPENINGS IN ROOF DECK GREATER THAN 12"x12" SHALL BE SUPPORTED ON STEEL ANGLE FRAMES.

054000 COLD-FORMED METAL FRAMING

1. SPECIFICATIONS AND STANDARDS:
   A. STRUCTURAL PROPERTIES OF COLD-FORMED METAL FRAMING SHALL BE COMPUTED IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" AND SHALL BE PUBLISHED IN THE MANUFACTURERS CATALOG.
   B. WELDING SHALL BE PERFORMED ONLY BY QUALIFIED OPERATORS USING PROPER EQUIPMENT FOR THE PARTICULAR TYPE OF WORK REQUIRED.
   C. AWS STANDARD WELDING SYMBOL.
   D. AWS D1.3 SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES.
2. MATERIALS:
   A. MEMBERS 54 MILS AND HEAVIER: ASTM A1003, GRADE 50, TYPE H.
   B. MEMBERS 43 MILS AND LIGHTER: ASTM A1003, GRADE 33, TYPE H.
   C. TRACK AND BRIDGING MATERIALS: ASTM A1003, GRADE 33, TYPE H.
   D. FRAMING SHALL BE GALVANIZED PER ASTM A653, G60.
   E. WELDING ELECTRODES: AWS A5.1, A5.5 OR A5.18 SERIES E60.
3. CONNECTIONS:
   A. CUT FRAMING COMPONENTS TO FIT SQUARELY AGAINST ABUTTING MEMBERS AND HOLD FIRMLY IN POSITION UNTIL PROPERLY FASTENED.
   B. PANELS SHALL BE SQUARE AND BRACED AGAINST RACKING.
   C. WIRE TYING OF STRUCTURAL FRAMING COMPONENTS IS NOT PERMITTED.
   D. COMPONENTS SHALL BE FASTENED TOGETHER WITH A MINIMUM OF 2-#8 SCREWS OR AS SHOWN ON THE DRAWINGS.
4. MISCELLANEOUS REQUIREMENTS:
   A. ATTACH TRACK TO THE FLOOR AND OVERHEAD STRUCTURE AS NOTED.
   B. SEAT STUDS SQUARELY TO THE FLOOR AND OVERHEAD TRACK AND CONNECT AS NOTED.
   C. SPLICES IN STRUCTURAL FRAMING MEMBERS ARE NOT PERMITTED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
   D. DO NOT ALLOW AXIAL LOADS TO STUDS UNTIL ALL BRIDGING, CONNECTIONS, AND ATTACHMENT OF COLLATERAL MATERIALS ARE COMPLETE.
   E. ATTACH V-BAR BRIDGING TO BOTH FLANGES OF WALL STUDS. SPACE BRIDGING AT 4'-0"c/c OR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
   F. ATTACH V-BAR BRIDGING TO BOTH FLANGES OF JOISTS. ATTACH SOLID BRIDGING BETWEEN JOISTS AFTER EVERY 10'-0" LENGTH OF V-BAR BRIDGING. SPACE BRIDGING IN ACCORDANCE WITH THE FOLLOWING PROVISIONS.

SPAN	BRIDGING
7'-0" OR LESS	NONE
7'-1" TO 14'-0"	ONE ROW AT MIDSPAN.
14'-1" TO 20'-0"	TWO ROWS AT THIRD POINTS.
20'-1" TO 26'-0"	THREE ROWS AT QUARTER POINTS.

   G. SOLID BLOCKING OR BANDING IS REQUIRED AT JOIST BEARINGS.

2

NOTES
1. The Contractor shall check all dimensions of the work and shall report discrepancies to the Architect before proceeding.

STATE OF OHIO
ROBERT A. BAUMANN
E-49337
REGISTERED
PROFESSIONAL ENGINEER
8/9/13

No.	Description	Date
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	SITE & STRUCTURE BID & PERMIT PACKAGE	08.09.2013
	80% CD Client Review Set	09.04.2013
	95% CD Review Set	09.27.2013
	100% CD - Enclosure and Finishes Bid & Permit Set	10.09.2013
2	CB 02	10.09.2013

JB AD
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Project Title
Columbus Metropolitan Library Whitehall Branch

Drawing Title
GENERAL NOTES

Date	Scale	Project Number	Sheet Number
6/14/13	as shown	12100	S0.02

PinC	PM	JC	Des	Dr

SMBH
STRUCTURAL ENGINEERING
smbh job no: 112-033
1166 Dublin Road Suite 200
Columbus, OH 43215-1038
614-481-9800
www.smbhinc.com

FULL SIZE: ARCH E1 30" x 42"

ROOF FRAMING PLAN																													
108'-3" Default Foundation	HSS7X0.375	HSS7X0.375	HSS7X0.375	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.375	HSS7X0.250	HSS5X5X1/4	HSS5X5X1/4	HSS5X5X1/4	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	108'-3" Default Foundation
100'-0"	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP1	BP1	BP1	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP2	BP2	100'-0"
Column Locations	A-1	A-2	A-3	A-4	A-7	A-8	A-9	A-10	A-11	A-12	A-13	B-1	B-13	C-1	C-2	C-3	C-4	C-6	C-7	C-8	C-9	C-10	C-11	C-12	C-13	D-1.1			

CAP PL 1= PL 3/4"x8x1'-0" w/ (4) 3/4"Ø A325 BOLTS TYP @ COL LINE A UNO

CAP PL 1/2" TYP UNO

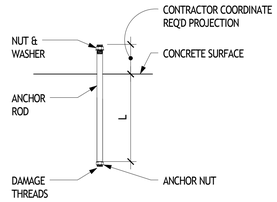
CAP PL 1= PL 3/4"x8x1'-0" w/ (4) 3/4"Ø A325 BOLTS

CAP PL 1= PL 3/4"x8x1'-0" w/ (4) 3/4"Ø A325 BOLTS

ROOF FRAMING PLAN																						ROOF FRAMING PLAN
108'-3" Default Foundation	HSS7X0.250	HSS7X0.250	HSS5X5X1/4	HSS5X5X1/4	HSS7X0.250	HSS5X5X1/4	HSS5X5X1/4	HSS5X5X1/4	HSS5X5X1/4	HSS5X5X1/4	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	HSS7X0.250	108'-3" Default Foundation
100'-0"	BP2	BP2	BP1	BP1	BP2	BP3	BP3	BP1	BP3	BP3	BP2	BP2	BP2	BP4	BP4	BP2	BP2	BP4	BP4	BP2	BP2	100'-0"
Column Locations	D-2.1	D-3.1	D-4.1	D-5	D.1-7	D.1-8	D.1-9	D.1-10	D.1-11	D.1-12	E-1.1	E-2.1	E-3.1	E-4.1	E-5	E-7	E-8	E-9	E-10	E-11	E-12	

COLUMN SCHEDULE

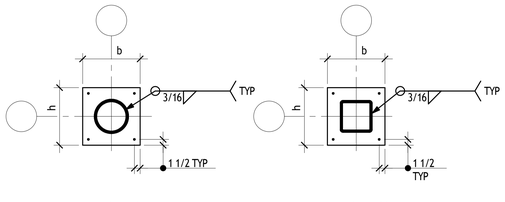
BASE PLATE SCHEDULE			
MARK	BASE PLATE SIZE (h x b)	ANCHOR BOLTS	BASE PLATE TYPE
BP1	3/4"x11"x0'-11"	(4) 3/4" DIA x 0'-9"	TYPE II
BP2	3/4"x13"x1'-1"	(4) 3/4" DIA x 0'-9"	TYPE I
BP3	3/4"x11"x1'-1"	(4) 3/4" DIA x 0'-9"	TYPE III
BP4	3/4"x13"x1'-3"	(4) 3/4" DIA x 1'-4"	TYPE IV



1. L = ANCHOR ROD EMBEDMENT
2. TYPICAL ANCHOR ROD DESIGNATION
   __"ØxL A. ROD

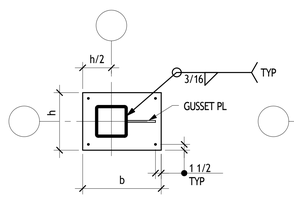
TYPICAL CAST-IN ANCHOR ROD DETAIL

NO SCALE TYPICAL ANCHOR ROD DETAIL



TYPE I

TYPE II



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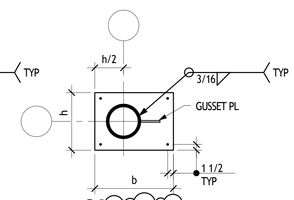
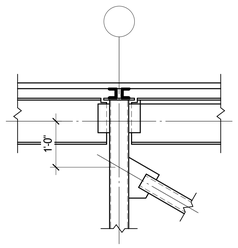


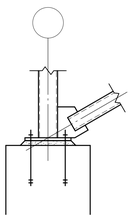
TYPE IV

BASE PLATE DETAILS

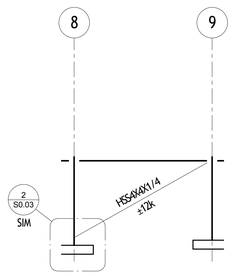
NO SCALE



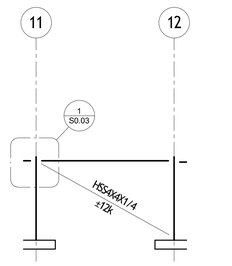
1 / S0.03 DETAIL
3/4" = 1'-0"



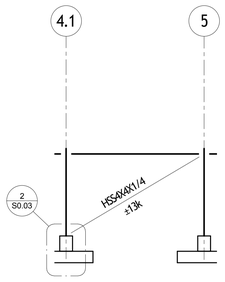
2 / S0.03 DETAIL
3/4" = 1'-0"



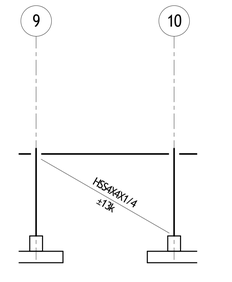
3 / S0.03 ELEVATION LINE D.1
1/8" = 1'-0"



4 / S0.03 ELEVATION LINE D.1
1/8" = 1'-0"



5 / S0.03 ELEVATION LINE E
1/8" = 1'-0"



6 / S0.03 ELEVATION LINE E
1/8" = 1'-0"

FOOTING SCHEDULE - WALL FOOTINGS					
	SIZE				
TYPE	WIDTH	LENGTH	THICKNESS	REINFORCING	REMARKS
20	2'-0"	CONT	1'-0"	(2)#5 CONT B	
FOOTING SCHEDULE - ISOLATED FOOTINGS A5					
	SIZE				
TYPE	WIDTH	LENGTH	THICKNESS	REINFORCING	REMARKS
40	4'-0"	4'-0"	1'-0"	(4) #5 EWB	
50	5'-0"	5'-0"	1'-2"	(5) #5 EWB	
70	7'-0"	7'-0"	1'-6"	(6) #7 EWB	

LINTEL SCHEDULE		
MARK	SIZE	BRG/REMARKS
A	L3 1/2x3 1/2x1/4	
B	L4x3 1/2x1/4 LLV	
C	L5x3 1/2x5/16 LLV	
D2	L6X3 1/2X3/8	

1. ~~A2 ON PLAN INDICATES 2-L's 3 1/2x3 1/2x1/4,~~
   A2 INDICATES 3-L's 3 1/2x3 1/2x1/4, ETC.
2. LLV ON ANGLES UNLESS NOTED.
3. UNLESS NOTED, WELDS FOR PLATE ON BOTTOM OF BEAM FLANGE ~~1x 3/16 3-1/2~~
4. BEAR ALL LINTELS ON SOLID OR GROUTED BLOCK, SEE GENERAL NOTES ON SHEET S0.02.
5. ALL LINTELS HAVE A MIN. OF 8" BEARING, UNLESS NOTED.
6. SEE ARCH. DRAWINGS FOR VERTICAL LOCATION OF LINTELS.
7. SEE GENERAL NOTES ON S0.02 FOR LINTELS NOT COVERED BY LINTEL SCHEDULE.

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smbh job no: 112-033

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6/14/13

No.	Description	Date
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	SITE & STRUCTURE BID & PERMIT PACKAGE	08.09.2013
	80% CD Client Review Set	09.04.2013
	95% CD Review Set	09.27.2013
	100% CD - Enclosure and Finishes Bid & Permit Set	10.09.2013
6	CB 03	10.24.2013
11	CB 06	01.17.2014

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Project Title

Columbus Metropolitan Library Whitehall Branch

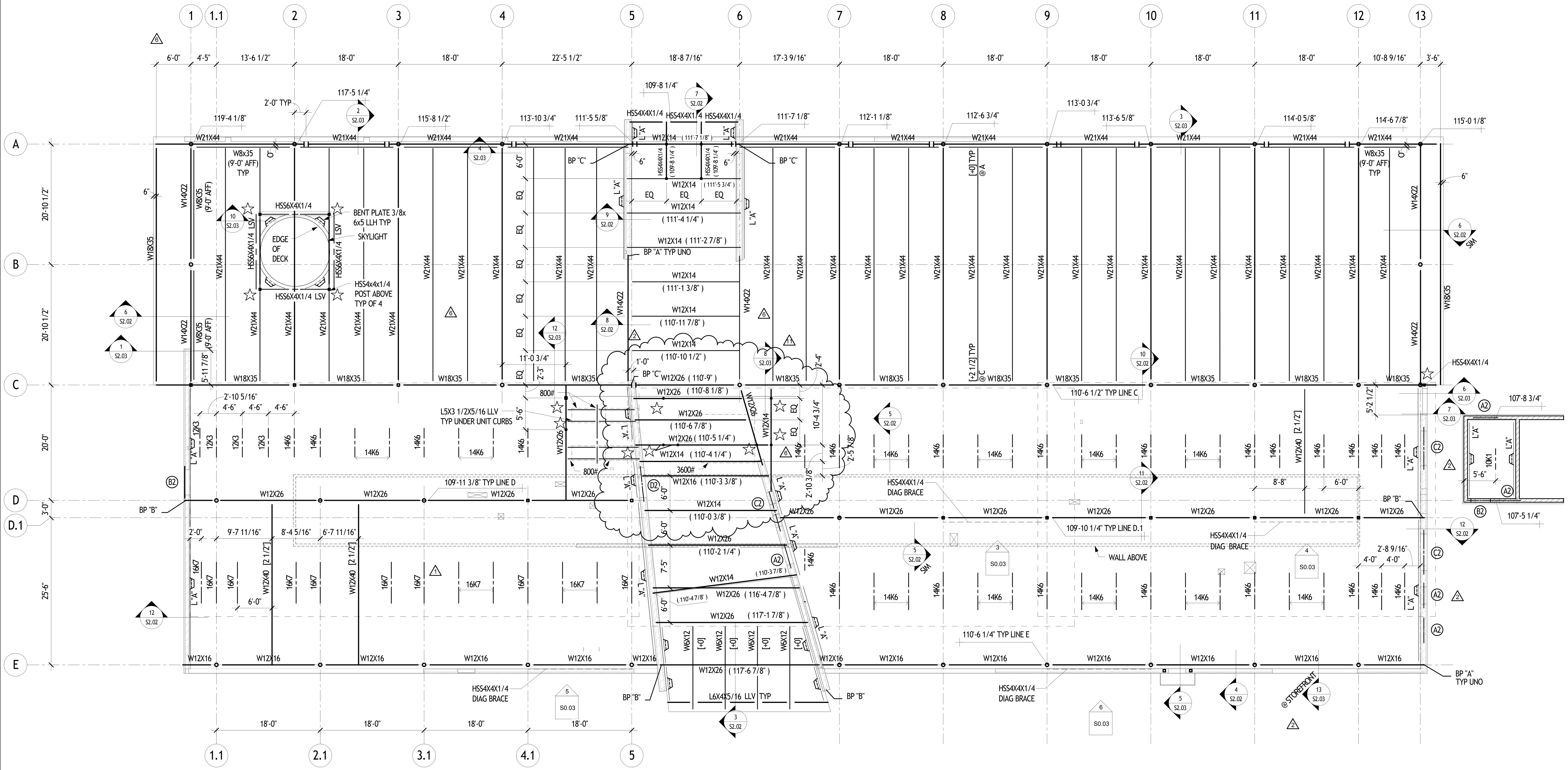
Drawing Title

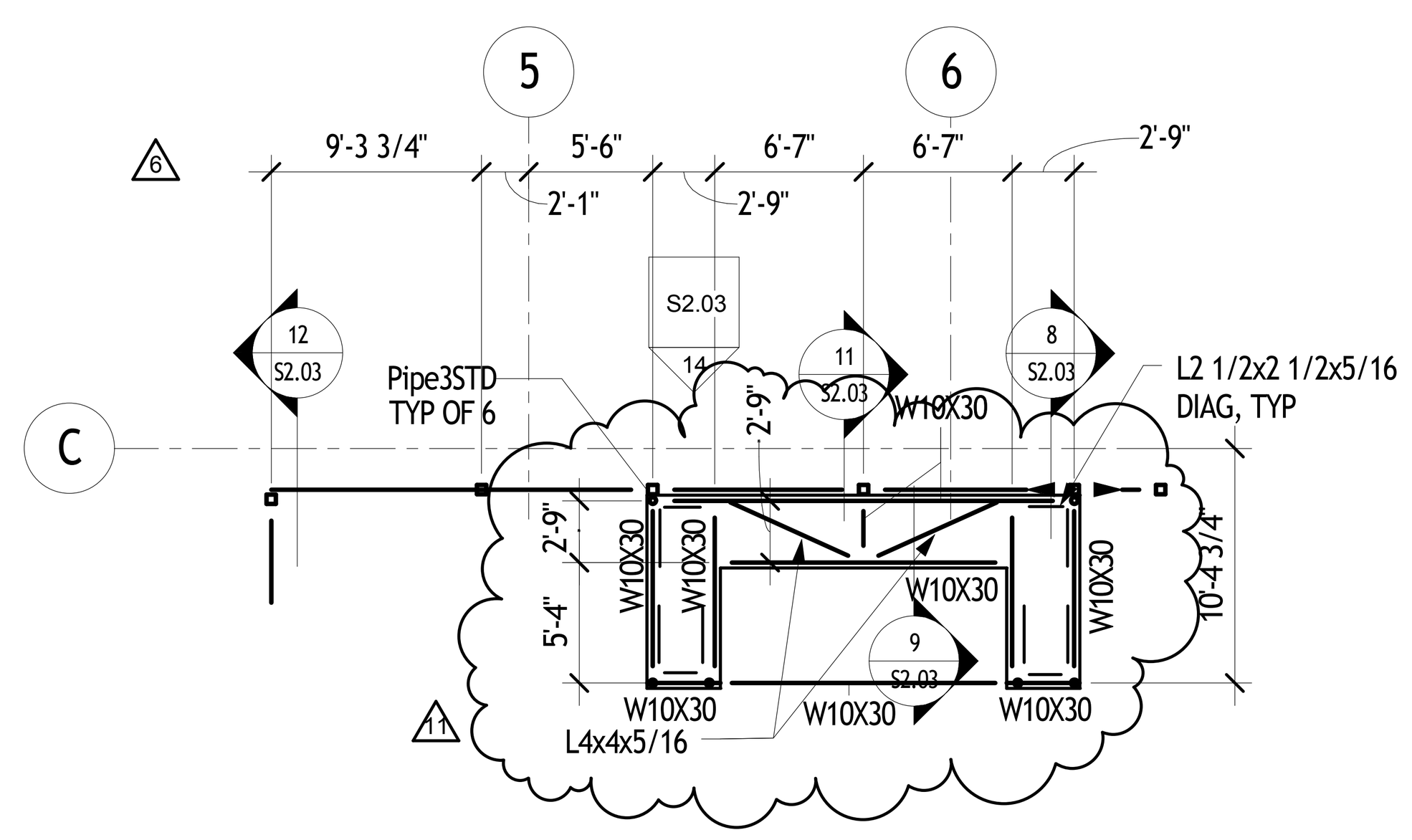
SCHEDULES

Date	Sheet Number
6/14/13	S0.03
Scale: as shown	Project Number: 12100

PinC | PM | JC | Des | Dr

1/17/2014 4:21:15 PM
FULL SIZE: ARCH E1 30" x 42"





BEARING PL SCHEDULE		
PLATE-MARK	PLATE-SIZE	PLATE-ANCHOR
BP "A"	3/8"x6"x7"	(2) 1/2"Øx6" HEADED STUDS
BP "B"	1/2"x6"x8"	(2) 1/2"Øx6" HEADED STUDS
BP "C"	3/4"x6"x9"	(2) 1/2"Øx6" HEADED STUDS

NOTES: LONG DIMENSION IS PERPENDICULAR TO BEAM

PLATFORM FRAMING PLAN

1/8" = 1'-0"

NORTH

1. TOP OF STEEL ELEVATION 114'-8 3/8".
2. PLATFORM CONSTRUCTION: GALVANIZED STEEL BAR GRATING WITH 1 1/4"x3/16" BEARING BARS @ 1 3/16"c/c AND 1/4" CROSS BARS AT 4"c/c.
3. GALVANIZE ALL STEEL ABOVE ROOF.
4. COORDINATE DIMENSIONS WITH MECHANICAL AND ARCHITECUTURAL DRAWINGS.

ROOF FRAMING PLAN

1/8" = 1'-0"

NORTH

1. DESIGN LIVE LOADS: ROOF SNOW LOAD BASED ON 20 PSF GROUND SNOW LOAD.
2. ROOF CONSTRUCTION: 1 1/2"x20 GAGE WIDE RIB GALVANIZED METAL DECK.
3. JOIST SUPPLIER TO DESIGN FOR THE FOLLOWING NET UPLIFT PRESSURES (ASD). DIMENSION "a" EQUALS 6 FT. SEE ASCE 7 FOR DIAGRAMS OF VARIOUS ROOF PROFILES.
   AREA 1 (FIELD) - 8 PSF AREA 2 (EDGE) - 25 PSF AREA 3 (CORNER) 25 PSF
4. JOIST BRIDGING - PROVIDE TOP AND BOTTOM CHORD BRIDGING AS REQUIRED BY SJI.
5. JOISTS ARE UNIFORMLY SPACED BETWEEN ADJACENT COLUMNS, BEAMS OR WALLS UNLESS NOTED OTHERWISE.
6. REFERENCES: GENERAL STRUCTURAL NOTES - S0.02; COLUMN SCHEDULE - S0.03; LINTEL SCHEDULE - S0.03.
7. SYMBOL LEGEND:

(symbol)	-INDICATES TOP OF STEEL AND JOIST BEARING ELEVATION.
[±]	-INDICATES TOP OF STEEL ELEVATION RELATIVE TO SUPPORTING MEMBER.
(A)	-INDICATES LINTEL TYPE. SEE SCHEDULE ON SHEET S0.03.
⊣ ⊢	-INDICATES BEAM SHEAR SPLICE.
⊠	-INDICATES FRAMED OPENING - PROVIDE FRAME USING L's 31/2x31/2x1/4 - 4 SIDES. CONTRACTOR COORDINATE OPENING SIZES WITH MECHANICAL AND ARCHITECTURAL REQUIREMENTS. FRAMES ARE REQUIRED AT ROOF DRAINS. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR NUMBERS AND LOCATIONS. SEE DETAILS 1 / S2.02 & 2 / S2.02
☆	-INDICATES COLUMN ABOVE.
L "A"	-INDICATES DECK ANGLE L6x4x5/16 w/ 3/4"Ø POST INSTALLED EXP ANCHORS @ 1'-4"" c/c IN GROUTED CMU. HOLD ANCHOR 12" FROM EDGE OF CMU WALL.

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Columbus Metropolitan Library Whitehall Branch

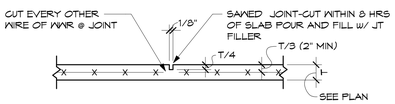
Drawing Title

ROOF FRAMING PLAN

Date	Sheet Number
6/14/13	S1.02

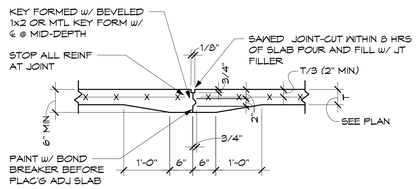
Scale	Project Number
as shown	12100

PinC	PM	JC	Des	Dr



1. PROVIDE TOOLED JOINTS IN FRESH CONCRETE EACH SIDE OF WALLS WHERE SLABS POUR THRU DOORWAYS.
2. PROVIDE A #4 BARX3'-0" AT MID-DEPTH OF THE SLAB PERPENDICULAR TO JOINTS THAT TERMINATE AT A PARTICULAR JOINT.

1 S2.01 DETAIL 3/4" = 1'-0"



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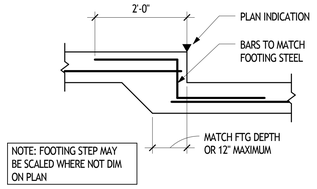
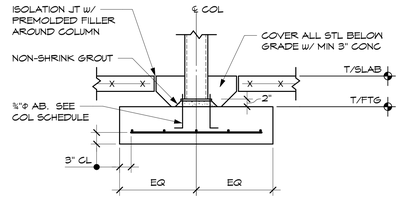
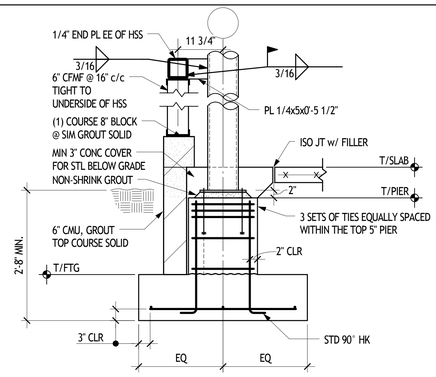


3 S2.01 DETAIL 3/4" = 1'-0"



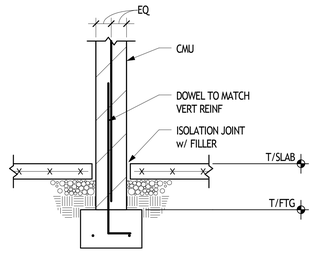
4 S2.01 SECTION 3/4" = 1'-0"



5 S2.01 SECTION 3/4" = 1'-0"

NOT USED

6 S2.01 SECTION 3/4" = 1'-0"



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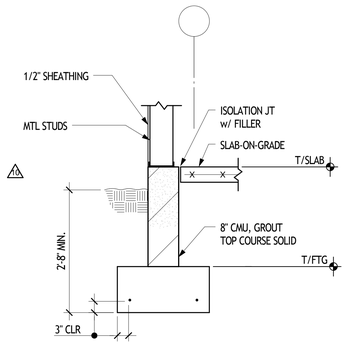
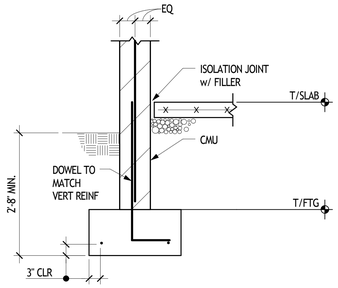
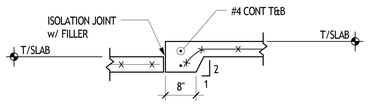


8 S2.01 SECTION 3/4" = 1'-0"



9 S2.01 SECTION 3/4" = 1'-0"



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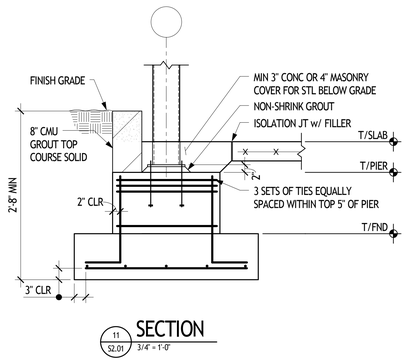
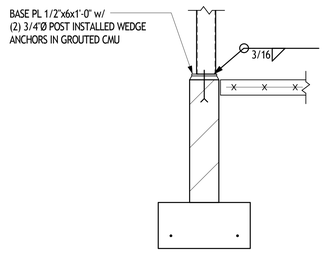
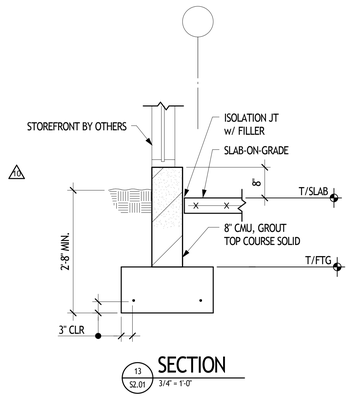


11 S2.01 SECTION 3/4" = 1'-0"



12 S2.01 SECTION 3/4" = 1'-0"



13 S2.01 SECTION 3/4" = 1'-0"

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Project Title

Columbus Metropolitan Library Whitehall Branch

Drawing Title

SECTIONS

Date	Sheet Number
6/14/13	S2.01
Scale: as shown	Project Number: 12100

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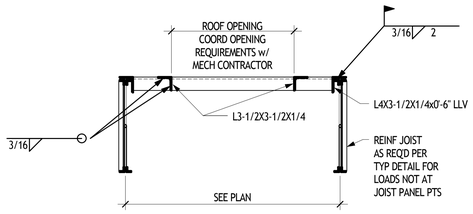
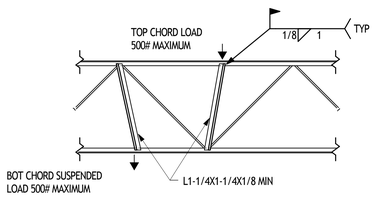


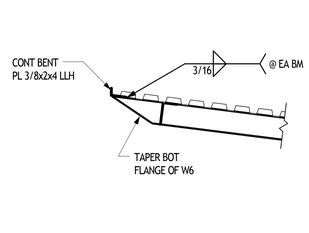
NOTES:
1. SEE MECHANICAL DRAWING FOR LOCATIONS, SIZES, AND QUANTITIES OF ROOF OPENINGS.
2. ALL WELDING TO JOIST TO BE DONE WITH CARE SO AS NOT TO IMPAIR THE STRENGTH OF THE JOIST.

1 S2.02 SECTION 3/4" = 1'-0"

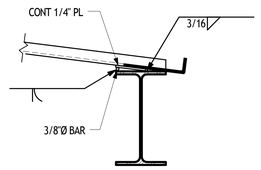


NOTES:
1. CONCENTRATED MECH UNIT LOADS, FOLDING PARTITIONS, SUSPENDED LOADS, ETC, SHOULD BE LOCATED AT JOIST PANEL POINTS WHERE POSSIBLE. WHEN PANEL POINT IS NOT ACCESSIBLE, SUPPORT LOAD AS SHOWN.
2. ALL WELDING TO JOIST IS TO BE DONE WITH CARE AS NOT TO IMPAIR THE STRENGTH OF THE JOIST.

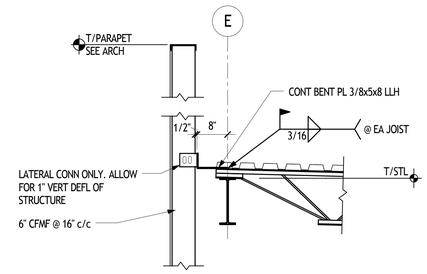
2 S2.02 SECTION 3/4" = 1'-0"



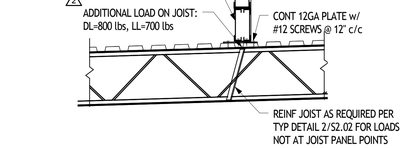
3 S2.02 SECTION 3/4" = 1'-0"



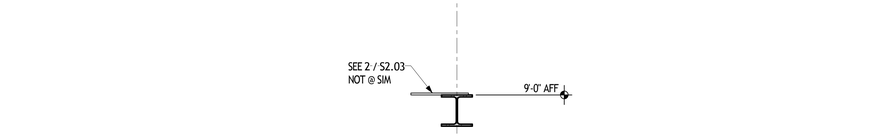
DETAIL 3A



4 S2.02 SECTION 3/4" = 1'-0"

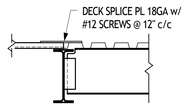


5 S2.02 SECTION 3/4" = 1'-0"



6 S2.02 SECTION 3/4" = 1'-0"

7 S2.02 SECTION 3/4" = 1'-0"



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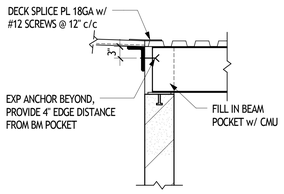
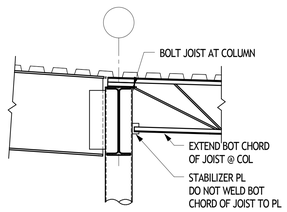
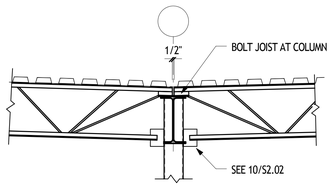


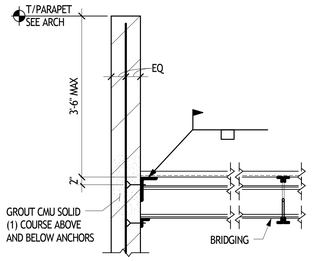
9 S2.02 SECTION 3/4" = 1'-0"



10 S2.02 SECTION 3/4" = 1'-0"



11 S2.02 SECTION 3/4" = 1'-0"



12 S2.02 SECTION 3/4" = 1'-0"

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SECTIONS

Date	Sheet Number
6/14/13	S2.02

Scale	Project Number
as shown	12100

PinC	PM	JC	Des	Dr
				Author

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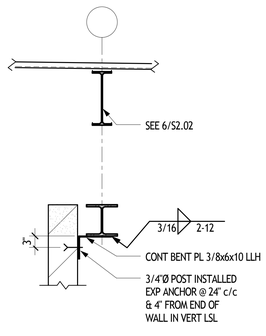
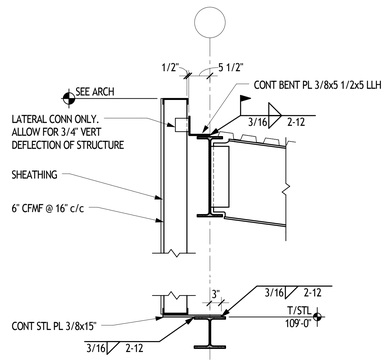


1 S2.03 SECTION 3/4" = 1'-0"



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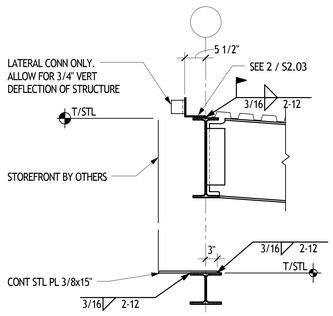

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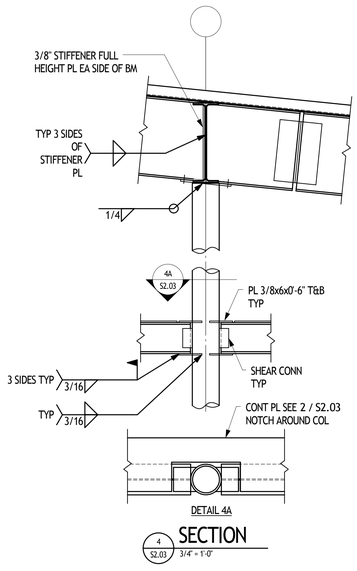

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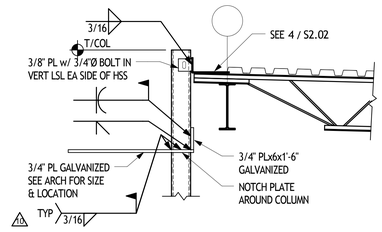

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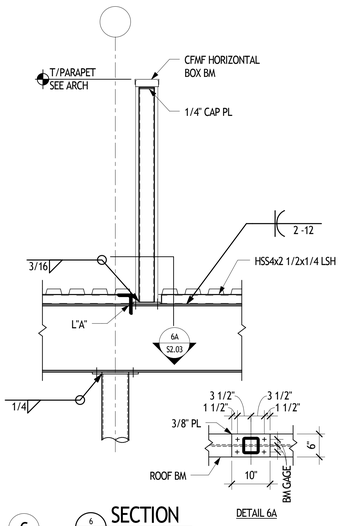
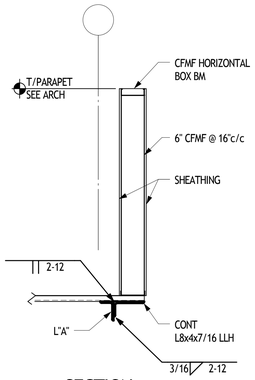


DETAIL 6A

6 S2.03 SECTION 3/4" = 1'-0"



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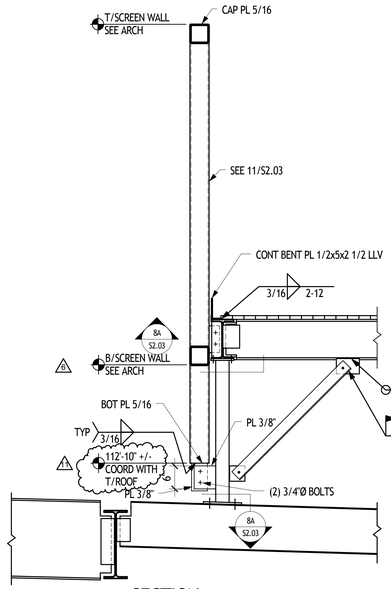

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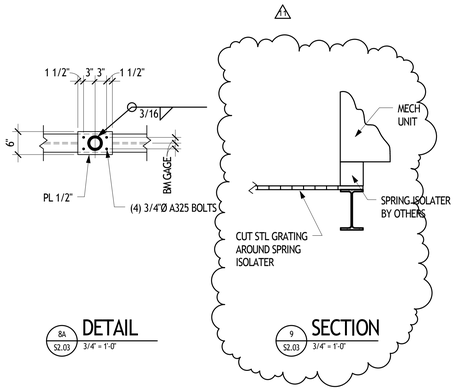
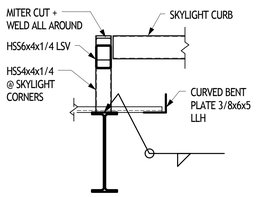


8A S2.03 DETAIL 3/4" = 1'-0"

9 S2.03 SECTION 3/4" = 1'-0"



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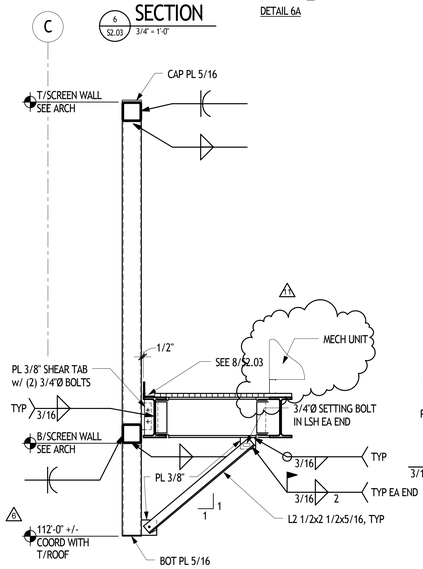

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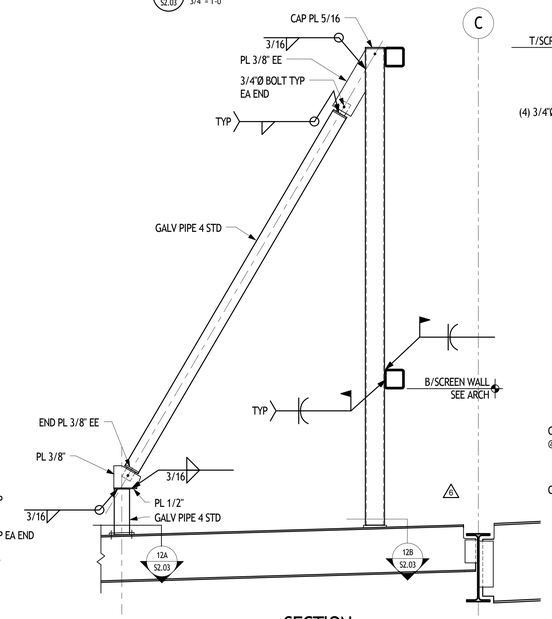

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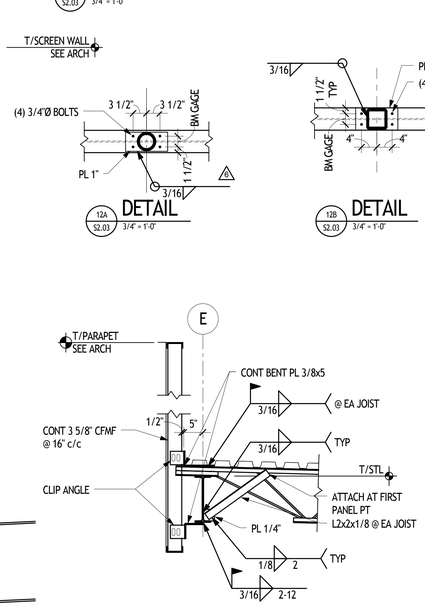

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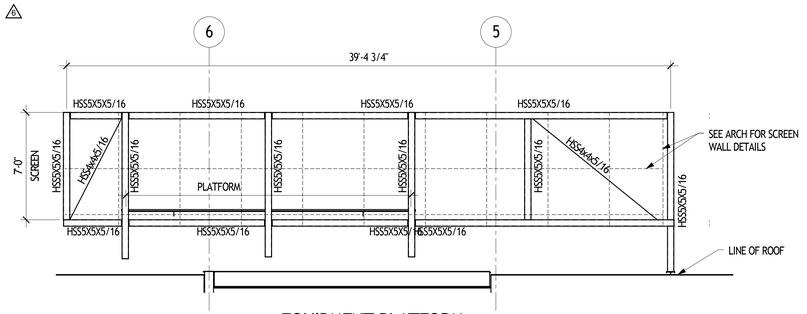

14 S2.03 EQUIPMENT PLATFORM SCREEN ELEVATION 1/4" = 1'-0"

NOTES
1. The Contractor shall check all dimensions of the work and shall report discrepancies to the Architect before proceeding.
2. All drawings and specifications are the property of the Architect, who reserves copyright with respect to this document. This document shall not be duplicated, used or circulated for any other purpose than that for which it was issued.

STATE OF OHIO
ROBERT A. BAUMANN
E-49337
REGISTERED
PROFESSIONAL ENGINEER
6/14/13

No.	Description	Date
	DD COST ESTIMATE - NOT FOR CONSTRUCTION	06.14.2013
	SITE & STRUCTURE BID & PERMIT PACKAGE	08.09.2013
	80% CD Client Review Set	09.04.2013
	95% CD Review Set	09.27.2013
	100% CD - Enclosure and Finishes Bid & Permit Set	10.09.2013
2	CB 02	10.09.2013
6	CB 03	10.24.2013
10	CB 05	12.16.2013
11	CB 06	01.17.2014

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Project Title
Columbus
Metropolitan Library
Whitehall Branch

Drawing Title
SECTIONS

Date	Sheet Number
6/14/13	S2.03

Scale	Project Number
as shown	12100

PinC	PM	JC	Des	Dr
				Author

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