

Scenic Regional Library

Wright City Branch

60 Wildcat Drive

Wright City, MO 63390



SCENIC REGIONAL
LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390



EAST ELEVATION
(WILDCAT DR. ENTRY)

DRAWING INDEX

- A-000 COVER SHEET
- T0 CIVIL TITLE SHEET
- T1 TOPOGRAPHIC SURVEY
- C1 DEMOLITION PLAN
- C2 SITE PLAN
- C3 GRADING PLAN
- C4 UTILITY PLAN
- D1 DETAIL SHEET
- D2 DETAIL SHEET
- L-1.0 LANDSCAPE SITE PLAN
- A-001 SYMBOLS AND ABBREVIATIONS
- A-002 LIFE SAFETY PLAN
- A-101 ARCHITECTURAL SITE PLAN
- A-102 ENLARGED ROOF PLANS AND ROOF DETAILS
- A-103 SITE DETAILS
- A-201 FLOOR PLAN - FIRST FLOOR
- A-301 ENLARGED FLOOR PLANS
- A-302 ENLARGED FLOOR PLANS
- A-401 RCP - FIRST FLOOR
- A-402 ENLARGED CEILING PLANS
- A-501 FINISH PLAN / LEGEND
- A-601 ELEVATIONS - EXTERIOR
- A-602 ELEVATIONS - INTERIOR
- A-603 ELEVATIONS - INTERIOR
- A-604 ELEVATIONS - INTERIOR
- A-605 ELEVATIONS - INTERIOR
- A-701 BUILDING SECTIONS & BIRDS EYE SECTION VIEW
- A-702 WALL SECTIONS
- A-703 WALL SECTIONS
- A-704 WALL SECTIONS
- A-801 DETAILS - PLAN
- A-802 DETAILS - PLAN
- A-803 DETAILS - BUILDING
- A-804 DETAILS - BUILDING
- A-805 DETAILS - BUILDING
- A-806 DETAILS

DRAWING INDEX

- A-807 DETAILS
- A-808 DETAILS
- A-809 DETAILS - MILLWORK
- A-810 DETAILS - MILLWORK
- A-901 DOOR SCHEDULE / DOOR, FRAME AND WINDOW TYPES
- A-902 FRAME DETAILS
- A-903 PARTITION TYPES
- F-101 FURNITURE PLAN - FIRST FLOOR
- S-100 GENERAL NOTES
- S-101 GENERAL NOTES
- S-102 TYPICAL DETAILS
- S-103 TYPICAL DETAILS
- S-104 TYPICAL DETAILS
- S-201 FOUNDATION PLAN
- S-202 ROOF FRAMING PLAN
- S-300 FOUNDATION SECTIONS
- S-400 FRAMING SECTIONS
- S-500 BRACE FRAME ELEVATIONS
- S-600 COLUMN SCHEDULE & DETAILS
- M-001 LEGEND, SYMBOLS, NOTES & ABBREVIATIONS - MECH.
- M-201 FLOOR PLAN - MECHANICAL
- M-801 DETAILS - MECHANICAL
- M-901 SCHEDULE & SECTIONS - MECHANICAL
- P-001 LEGEND, SYMBOLS, NOTES & ABBREVIATIONS - PLUMB.
- P-200 FLOOR PLAN - FOUNDATION - PLUMBING
- P-201 FLOOR PLAN - PLUMBING
- P-801 DETAILS - PLUMBING
- E-001 LEGEND, SYMBOLS, NOTES & ABBREVIATIONS - ELEC.
- E-100 SITE PLAN - ELECTRICAL
- EL-201 FLOOR PLAN & LIGHT FIXTURE SCHEDULE - ELECTRICAL LIGHTING
- EP-301 FLOOR PLAN, ONE LINE & SCHEDULE - ELECTRICAL POWER
- E-401 FLOOR PLAN - ELECTRICAL DATA
- E-801 DETAILS - ELECTRICAL
- E-901 SCHEDULES - ELECTRICAL

CODE INFORMATION

AUTHORITIES HAVING JURISDICTION	CITY OF WRIGHT CITY, MO (WARREN COUNTY) WRIGHT CITY FIRE PROTECTION DISTRICT
BUILDING CODE	INTERNATIONAL BUILDING CODE (IBC) 2009 EDITION
ACCESSIBILITY	AMERICANS WITH DISABILITIES ACT ICC/ANSI A117.1, REFERENCED BY BUILDING CODE
FIRE PREVENTION	INTERNATIONAL FIRE CODE (IFC) 2009 EDITION
MECHANICAL	INTERNATIONAL MECHANICAL CODE (IMC) 2009 EDITION
ELECTRICAL	NATIONAL ELECTRICAL CODE, 2008 EDITION, WITH CITY ADDITIONS
PLUMBING	INTERNATIONAL PLUMBING CODE (IPC) 2009 EDITION
PROPERTY MAINTENANCE	INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC) 2009 EDITION

BUILDING INFORMATION

USE GROUPS	A-3 ASSEMBLY, LIBRARY S-1 MODERATE HAZARD STORAGE (ACCESSORY USE, SEE LIFE SAFETY PLAN SHEET A-002)
CONSTRUCTION TYPE	TYPE III NON-SPRINKLERED, NOT PROTECTED
SEISMIC CATEGORY	C REFER TO DISCA GUIDELINES FOR REQUIREMENTS
AREA	FLOOR ACTUAL CSF DESIGN OCCUPANCY: FIRST FLOOR 7,695 SF 195 OCCUPANTS
ALLOWABLE HEIGHT AND AREA USE GROUP A-3 IS MOST RESTRICTIVE USE ALLOWABLE HEIGHT AND AREA, IBC TABLE 503 - 2 STORIES AND 9,500 SF.	

RATINGS

ELEMENT	RATING
COLUMN	0 HOUR
CORRIDOR	0 MINUTE
DOOR	0 MINUTE
FLOOR	0 HOUR
STORAGE	0 HOUR

VICINITY MAP



ARCHITECT-OF-RECORD

JEMA
3035 LOCUST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
E-MAIL: SCLARK@JEMASTL.COM

DESIGN ARCHITECT

SAFF DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH FREMONT
SPRINGFIELD, MO 65804
T (417) 877-9600
CONTACT: JAMES STUFFLEBEAM
E-MAIL: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL ENGINEER

COO-FRAN ENGINEERING
530A EAST INDEPENDENCE DRIVE
UNION, MO 63084
T (636) 584-0540
F (636) 584-0512
CONTACT: DAVE VANLEER
E-MAIL: DVANLEER@COO-FRAN.COM

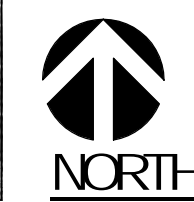
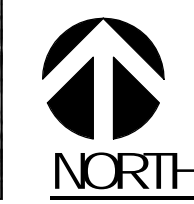
STRUCTURAL ENGINEER

ALPERALDI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 432-8600
CONTACT: STEVE EHRETT
E-MAIL: STEVE.EHRETT@ALPERALDI.COM

MECHANICAL, ELECTRICAL, PLUMBING ENGINEER

BRIC PARTNERSHIP, LLC
138 WEST ADAMS
KIRKWOOD, MO 63122
T (314) 725-5885
CONTACT: BRUCE COLEMAN
E-MAIL: BCOLEMAN@BRICPARTNERSHIP.COM

LOCATOR MAP



ARCHITECT-OF-RECORD
JEMA
3035 LOCUST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
E-MAIL: SCLARK@JEMASTL.COM

DESIGN ARCHITECT
SAFF DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH FREMONT
SPRINGFIELD, MO 65804
T (417) 877-9600
CONTACT: JAMES STUFFLEBEAM
E-MAIL: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COO-FRAN
530A EAST INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VANLEER
T (636) 584-0540
F (636) 584-0512
E-MAIL: DVANLEER@COO-FRAN.COM

STRUCTURAL
ALPERALDI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 432-8600
F (314) 807-2774
CONTACT: STEVE EHRETT
E-MAIL: STEVE.EHRETT@ALPERALDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
BRIC PARTNERSHIP, LLC
138 WEST ADAMS
KIRKWOOD, MO 63122
T (314) 725-5885
CONTACT: BRUCE COLEMAN
E-MAIL: BCOLEMAN@BRICPARTNERSHIP.COM

ARCHITECT-OF-RECORD:

JCH-NEDWARD MUELLER
MO ARCHITECTURAL LICENSE A2010039554
MO CERTIFICATE OF AUTHORITY A2014008983

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH

PROJECT NUMBER: 16-1161.03

SHEET TITLE:
COVER SHEET

A-000

CONTACT INFORMATION

OWNER

OWNER: SCENIC REGIONAL LIBRARY
 REPRESENTATIVE: STEVEN CAMPBELL (DIRECTOR)
 ADDRESS: 304 HAWTHORNE DR. UNION, MO
 PHONE: (636) 583-0652

WATER/SEWER

OWNER: CITY OF WRIGHT CITY
 REPRESENTATIVE: LARRY JANESH
 ADDRESS: 203 VETERANS MEMORIAL PKWY, WRIGHT CITY, MO
 PHONE: (636) 236-1687

ELECTRIC

OWNER: CUIVRE RIVER ELECTRIC CO-OP
 REPRESENTATIVE: DAN SCHNEIDER
 ADDRESS: 8757 HWY N, LAKE ST. LOUIS, MO
 PHONE: (636) 695-4741

GAS

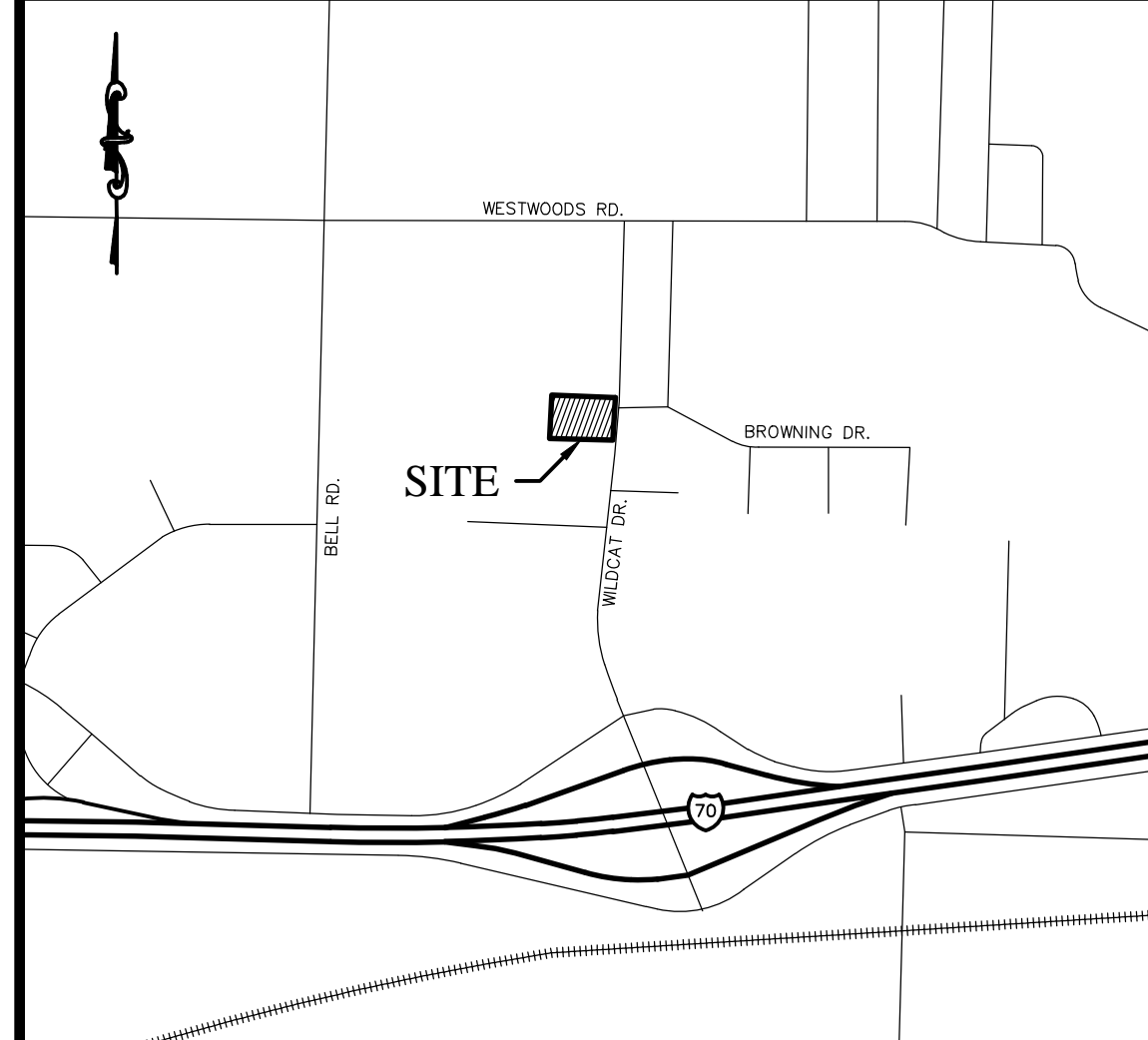
OWNER: AMEREN
 REPRESENTATIVE: AMY TWELLMANN
 ADDRESS: 200 N. CALLAHAN RD. WENTZVILLE, MO
 PHONE: (636) 639-8305

TELEPHONE

OWNER: CHARTER COMMUNICATIONS
 REPRESENTATIVE: LISA WARD
 ADDRESS: -
 PHONE: (314) 386-1634

SPECIAL NOTES :

FOR QUESTIONS OR CLARIFICATION PLEASE CONTACT
 DAVID VAN LEER AT COCHRAN. PHONE #636-584-0540



VICINITY MAP
NO SCALE

SITE IMPROVEMENT PLANS

FOR

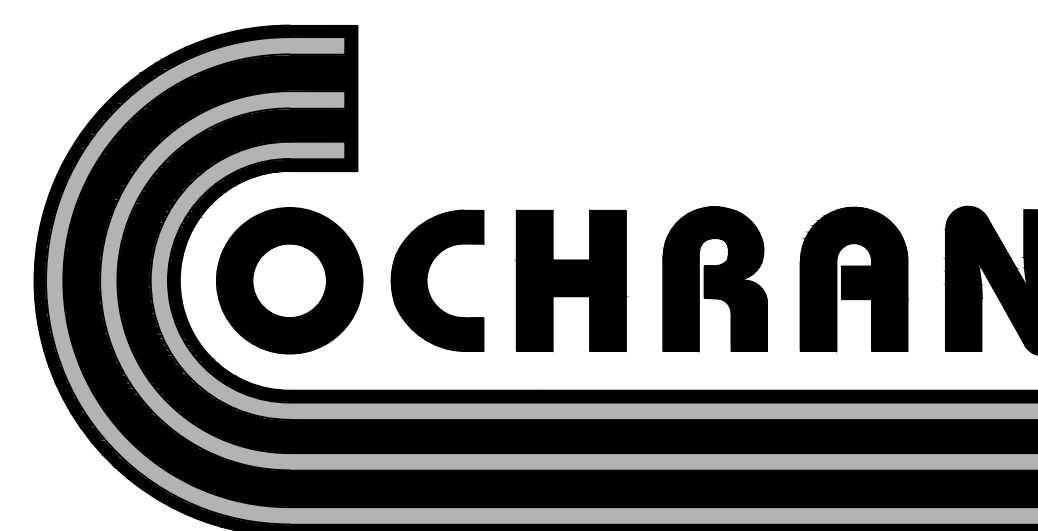
SCENIC REGIONAL LIBRARY

IN THE

CITY OF WRIGHT CITY, MISSOURI

60 WILDCAT DRIVE

PROJECT NO. 16-6414

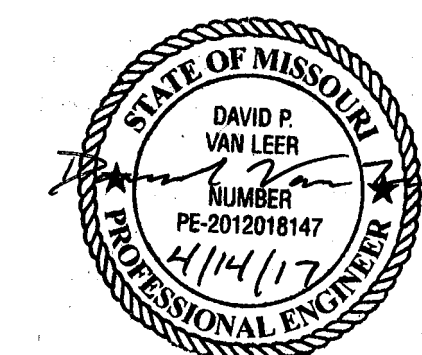


- CIVIL ENGINEERING
- SITE DEVELOPMENT
- LAND SURVEYING
- MASTER PLANNING
- ARCHITECTURE
- GENERAL CONSULTING

530A E. INDEPENDENCE DRIVE, UNION, MISSOURI 63084
 TELEPHONE (636) 584-0540
 FAX (636) 584-0512
 E-MAIL mail@cochraneng.com

APRIL, 2017

SHEET INDEX	SHEET
TOPOGRAPHIC SURVEY	T1
DEMOLITION PLAN	C1
SITE PLAN	C2
GRADING PLAN	C3
UTILITY PLAN	C4
DETAIL SHEET	D1
DETAIL SHEET	D2



David P. Van Leer No. PE-2012018147
 Registered Professional Engineer
 State of Missouri for Cochran

UTILITY RESPONSIBILITY MATRIX FOR THIS PROJECT

UTILITY/ GOVERNING AGENCIES CONTACTS	CONTRACTOR RESPONSIBILITY-	OTHERS RESPONSIBILITY-
WATER & SEWER CITY OF WRIGHT CITY 203 VETERANS MEMORIAL PKWY, WRIGHT CITY, MO CONTACT: LARRY JANESH PHONE: (636) 236-1687	-PERFORMS WATER MAIN TAP AND SETS ALL WATER METER APPURTENANCES. -PLACES SERVICE LINE FROM EXISTING WATER MAIN TO BUILDING.	-NOTHING
TELEPHONE CHARTER COMMUNICATIONS CONTACT: LISA WARD PHONE: (314) 386-1634	-INSTALL CONDUIT FROM EXISTING UNDERGROUND TELEPHONE TO BUILDING.	-CONNECT TO EXISTING UNDERGROUND TELEPHONE.
ELECTRIC CUIVRE RIVER ELECTRIC CO-OP 8757 HWY N, LAKE ST. LOUIS, MO CONTACT: DAN SCHNEIDER PHONE: (636) 695-4741	-PLACE CONDUIT AND MULE TAPE FROM EXISTING TO TRANSFORMER. -PREPARES TRANSFORMER PAD. -PLACE CONDUIT AND WIRE FROM TRANSFORMER TO BUILDING. -PLACE BOLLARD PROTECTION WHERE REQUIRED	-PROVIDES AND INSTALLS WIRE FROM EXISTING TO TRANSFORMER. -PROVIDES TRANSFORMER. -PROVIDES METER BASES
GAS AMEREN 200 N. CALLAHAN RD. WENTZVILLE, MO CONTACT: AMY TWELLMANN PHONE: (636) 639-8305	-INSTALL ALL GAS LINES ON BUILDING SIDE OF GAS METER AND CONNECT TO METER.	-TRENCH, INSTALL, AND BACKFILL GAS LINES FROM GAS MAIN CONNECTOR UP TO METER. -SUPPLY AND INSTALL GAS METER.

THIS MATRIX HAS BEEN PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL PROVIDE ANY AND ALL APPURTENANCES, TRENCHING AND BACKFILL, AND OTHER INCIDENTALS TO MEET OR EXCEED THE SPECIFICATIONS OF THE ITEMS LISTED.

Two working days prior to the start of any excavation on this site, contractor shall call 1-800-DIG-RITE for utility location information.

All OSHA rules & regulations established for the type of construction required by these plans shall be strictly followed (ie. Trenching, Blasting, etc.)



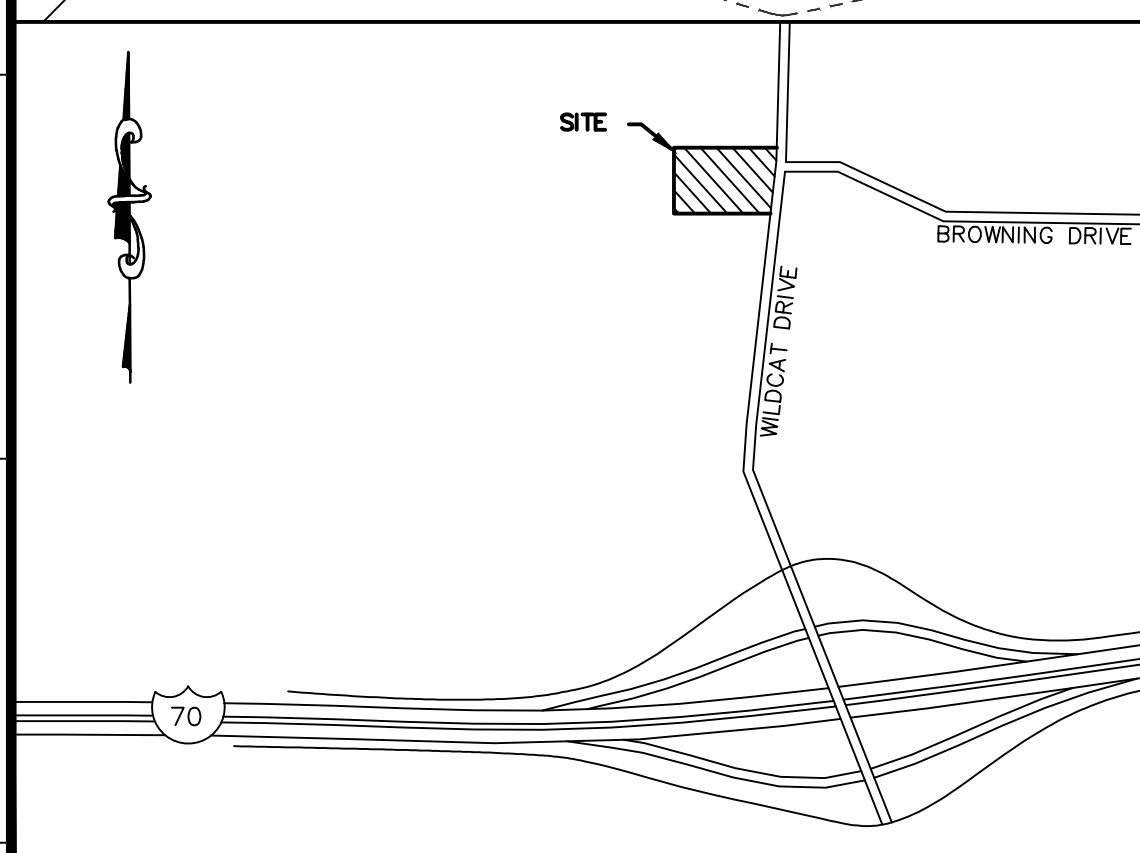
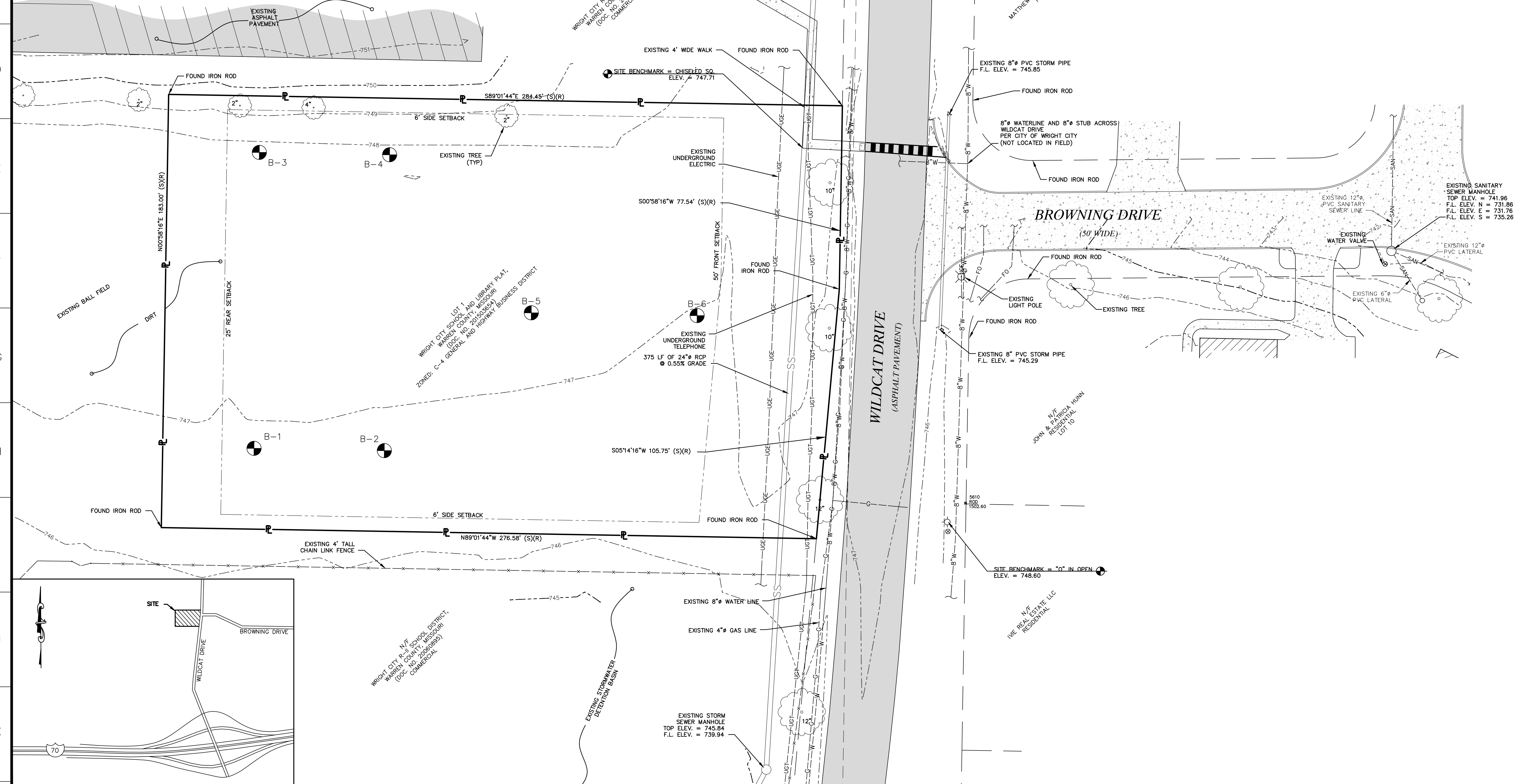
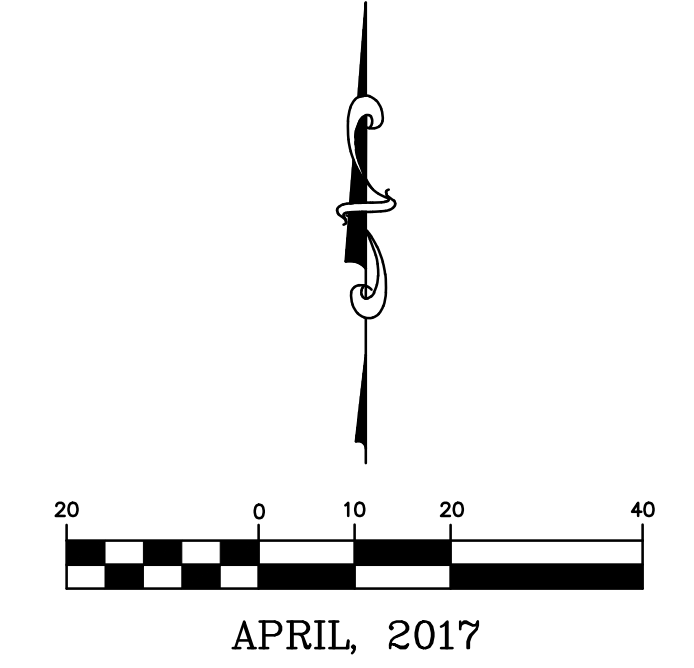
LEGEND

--- 500 ---	INDEX CONTOUR	⊞	ELECTRIC METER
---	INTERMEDIATE CONTOUR	⊞	WATER METER
---	PROPERTY LINE	⊞	GAS VALVE
---	RIGHT-OF-WAY	⊞	SANITARY SEWER VALVE
---	BUILDING SETBACK	⊞	SIGN
---	EASEMENT	⊞	LIGHT
---	AE AERIAL ELECTRIC	⊞	TREELINE
---	UTILITY POLE / GUY WIRE	⊞	FENCE
---	UGE UNDERGROUND ELECTRIC	⊞	FIBEROPTIC
---	UGT UNDERGROUND TELEPHONE	⊞	BUSH
---	SAN SANITARY SEWER	⊞	CONIFEROUS TREE
---	SANITARY MANHOLE	⊞	DECIDUOUS TREE
---	SS STORM SEWER	⊞	CONCRETE PAVEMENT
---	INLET	⊞	GRAVEL SURFACE
---	GRATED INLET	⊞	ASPHALT PAVEMENT
---	G GAS LINE	⊞	
---	GAS METER	⊞	
---	W WATER LINE	⊞	
---	FIRE HYDRANTS	⊞	
---	YARD HYDRANT	⊞	
---	WATER VALVE	⊞	
---	BOREHOLE	⊞	

- Notes:
- North derived from the Plat of Wright City School and Library Plat recorded as Document #201503654 of the Warren county records.
 - No investigation has been performed by Cochran regarding hazardous waste, underground conditions or utilities affecting the tract shown hereon.
 - This survey does not constitute a title search by the Land Surveyor.
 - Project Benchmark is top of USGS Disk Stamped WRIGHT and is located 26 feet North of the Centerline of Westwoods Road and 71 feet West of the Centerline of Bell Rd. in Warren County, MO
Site Benchmark is a chiseled square on the corner of the existing sidewalk.
Elevation = 747.71
 - Underground structures, facilities, and utilities have been plotted from available plans and observed evidence along with locations from local utility companies and Missouri One Call. Their locations must be considered approximate only and there may be others, the existence of which is presently not known.
NOTE: The waterline shown on the East side of Wildcat Drive was not located in the field. Waterline shown is per information provided by Wright City.
 - This property lies within Zone X "areas determined to be outside of the 0.2% annual chance floodplain", per Flood Insurance Rate Map, Warren County, Missouri and Incorporated Areas, Map Number 29219C0158D, Effective date November 4, 2009.
 - Missouri One Call Ticket No. : #161113170.

TOPOGRAPHIC SURVEY

LOT 1 OF WRIGHT CITY SCHOOL AND LIBRARY PLAT LOCATED IN SECTION 17, TOWNSHIP 47 NORTH, RANGE 1 WEST OF 5TH P.M. WARREN COUNTY, MISSOURI
(THIS DOES NOT CONSTITUTE A BOUNDARY SURVEY)



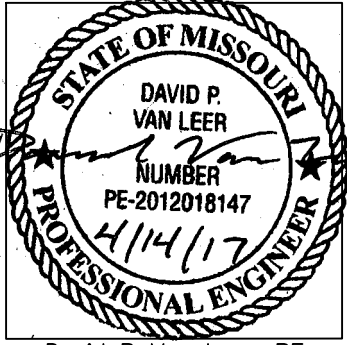
636-594-0540 (tel.)
636-594-0512 (fax)
mail@cochran.com
630A E. Independence Dr.
Union, Missouri 63084

COCHRAN

- Civil Engineering
- Land Surveying
- Architecture
- Site Development
- General Consulting
- Master Planning

Missouri State Certificate of Authority Numbers:
Survey : 000380
Engineering : 001655
Architecture : 2002014240

Two working days prior to the start of any excavation, call 1-800-UC-RITE for utility location information.
All OSHA rules & regulations must be strictly followed. Plans shall be strictly followed (ie. trenching, blasting, etc.)

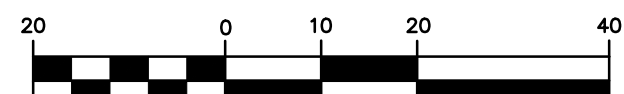


David P. Van Leer, PE
MO# PE-2012018147

SITE IMPROVEMENT PLANS
SCENIC REGIONAL LIBRARY
WRIGHT CITY, MISSOURI

DATE:	04-14-17	ISSUED FOR:	BID
DATE:	APR. 14, 2017	SCALE:	1" = 20'
PROJ. NO.:	16-6414	DWG. NO.:	T1

DEMOLITION PLAN



APRIL, 2017

LEGEND

---	500- INDEX CONTOUR	—E—	ELECTRIC METER	EM
---	INTERMEDIATE CONTOUR	—W—	WATER METER	WM
---	PROPERTY LINE	—G—	GAS VALVE	GV
---	R/W- RIGHT-OF-WAY	—SS—	SANITARY SEWER VALVE	SSV
---	BUILDING SETBACK	—S—	SIGN	S
---	EASEMENT	—L—	LIGHT	L
---	AE- AERIAL ELECTRIC	—T—	TREELINE	T
---	U- UTILITY POLE / GUY WIRE	—F—	FENCE	F
---	UGE- UNDERGROUND ELECTRIC	—FO—	FIBEROPTIC	FO
---	UGT- UNDERGROUND TELEPHONE	—B—	BUSH	B
---	SAN- SANITARY SEWER	—CT—	CONIFEROUS TREE	CT
---	SS- SANITARY MANHOLE	—DT—	DECIDUOUS TREE	DT
---	INLET	—CP—	CONCRETE PAVEMENT	CP
---	GRATED INLET	—GS—	GRAVEL SURFACE	GS
---	G- GAS LINE	—AS—	ASPHALT PAVEMENT	AS
---	WM- WATER METER			
---	W- WATER LINE			
---	—FH—			
---	FIRE HYDRANTS			
---	YH- YARD HYDRANT			
---	—WV—			
---	WATER VALVE			
---	—BH—			
---	BOREHOLE			

DEMOLITION PLAN NOTES

- The sitework on this project shall meet or exceed the City of Wright City standards and specifications.
- North derived from the Plat of Wright City School and Library Plat recorded as Document #201503654 of the Warren county records.
- Project Benchmark is top of USGS Disk Stamped WRIGHT and is located 26 feet North of the Centerline of Westwoods Road and 71 feet West of the Centerline of Bell Rd. in Warren County, MO. Site Benchmark is a chiseled square on the corner of the existing sidewalk. Elevation = 747.71
- Site is zoned "C-4" General and Highway Business Districts per the City of Wright City Zoning Map.
- This property is within Zone X "areas determined to be outside of the 0.2% annual chance floodplain", per Flood Insurance Rate Map, Warren County, Missouri and Incorporated Areas, Map Number 29219C0158D, Effective date November 4, 2009.
- In accordance with generally accepted construction practices, the Contractor will be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours. Contractor will be responsible for providing and maintaining all barricades, warning signs, flashing lights and traffic control devices during construction. Contractor to comply with all OSHA requirements and safety meeting requirement.
- Underground structures, facilities and utilities have been plotted from available surveys and records. Therefore, their locations must be considered approximate only. There may be others, the existence of which is presently not known.
- Contractor to contact telephone, electric, gas, water and cable companies to have underground utilities located on this site and adjacent to this site prior to doing any excavating.
- All unsurfaced areas are to receive 4 inches of topsoil. Contractor to seed, mulch, fertilize, and maintain all areas outside of paved areas that were disturbed during construction until an acceptable stand of grass is established. The Contractor shall be responsible to take whatever means necessary to establish permanent soil stabilization.
- All erosion control shall be in conformance with the City of Wright City.
- The contractor is responsible for keeping storm water run-off and siltation under control during construction.
- It shall be the contractor's responsibility to keep all mud and silt on site and off of streets.
- All survey monuments disturbed during construction shall be replaced by a licensed land surveyor licensed in the state in which this project is located at the Contractor's expense.
- Contractor shall be responsible to remove any basements, wells, utility lines, foundations, cisterns, cellars, etc. on site which exist and are within the projects construction area. Contractor is encouraged to visit the site prior to submitting their bid for this project.
- Contractor shall saw-cut all curb and gutter sections, concrete medians and along pavement where proposed construction ties into existing areas. Contractor shall maintain traffic flow and provide traffic control throughout construction.
- All demolition, disposal, etc. fees are to be paid by the Contractor.
- All existing structures, unless otherwise noted to remain, (i.e. fencing, trees, concrete, asphalt pavement, utilities, etc.) within the construction area shall be disposed of in a manner meeting federal, state and local regulations.

SITE IMPROVEMENT PLANS
SCENIC REGIONAL LIBRARY
WRIGHT CITY, MISSOURI

DATE:	04-14-17	ISSUED FOR:	BID
DATE:	APR 14, 2017	SCALE:	1" = 20'
PROJECT NO.:	16-6414	DRAWING NO.:	C1

636-594-0540 (tel.)
636-594-0512 (fax)
mailto:ochran.com

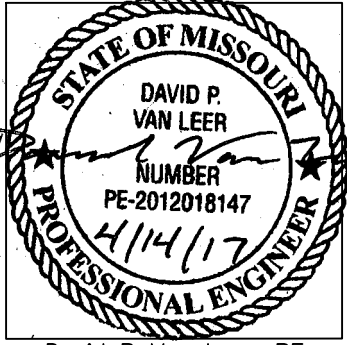
COCHRAN

- Civil Engineering
- Land Surveying
- Architecture
- Site Development
- General Consulting
- Master Planning

Missouri State Certificate of Authority Numbers:
Survey: 000380
Engineering: 001655
Architecture: 2002014240

Two working days prior to the start of any excavation, the contractor shall call 1-800-UC-RITE for utility location information.

All OSHA rules & regulations in effect at the time of construction shall be strictly followed (i.e. trenching, blasting, etc.).

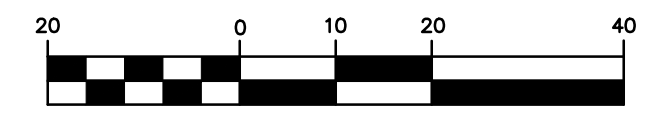


David P. Van Leer, PE
MO# PE-2012018147

Drawing name: F:\16-6414 - Scenic Regional Library - Wright City\AutoCAD Drawings\Plan Sheets\DEMOLITION PLAN.dwg Tab: 24X36 Plotted on: Apr 12, 2017 - 1:06pm Plotted by: jphanning

SITE PLAN

CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND DIMENSIONS OF BUILDING APRON, PATIOS, SLOPED PAVING, RAMPS, CONCRETE JOINT SPACING, MECHANICAL SCREENING, PATIO FENCES, FLAG POLE, PARKING LOT LIGHTING, PRECISE BUILDING DIMENSIONS, AND EXACT UTILITY ENTRANCE LOCATIONS.



APRIL, 2017

LEGEND

EXISTING	PROPOSED
	PROPERTY LINE
	RIGHT-OF-WAY
	BUILDING SETBACK
	EASEMENT
	SANITARY MANHOLE
	STORM INLET
	FENCE
	LIGHT
	CONCRETE PAVEMENT
	REINFORCED CONCRETE
	ASPHALT PAVEMENT
	GRAVEL

SITE PLAN NOTES

- The sitework on this project shall meet or exceed the City of Wright City standards and specifications.
- North derived from the Plat of Wright City School and Library Plat recorded as Document #201503654 of the Warren county records.
- Project Benchmark is top of USGS Disk Stamped WRIGHT and is located 26 feet North of the Centerline of Westwoods Road and 71 feet West of the Centerline of Bell Rd. in Warren County, MO
Site Benchmark is a chiseled square on the corner of the existing sidewalk. Elevation = 747.71
- Site is zoned "C-4" General and Highway Business Districts per the City of Wright City Zoning Map.
- This property is within Zone X "areas determined to be outside of the 0.2% annual chance floodplain", per Flood Insurance Rate Map, Warren County, Missouri and Incorporated Areas, Map Number 29219C01580, Effective date November 4, 2009.
- In accordance with generally accepted construction practices, the Contractor will be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours. Contractor will be responsible for providing and maintaining all barricades, warning signs, flashing lights and traffic control devices during construction. Contractor to comply with all OSHA regulation requirements and safety meeting requirement.
- Underground structures, facilities and utilities have been plotted from available surveys and records. Therefore, their locations must be considered approximate only. There may be others, the existence of which is presently not known.
- All unsurfaced areas are to receive 4 inches of topsoil. Contractor to seed, mulch, fertilize, and maintain all areas outside of paved areas that were disturbed during construction until an acceptable stand of grass is established. The Contractor shall be responsible to take whatever means necessary to establish permanent soil stabilization.
- See landscaping plans for landscaping requirements.
- All dimensions are to back of curb unless otherwise noted.
- Contractor shall saw cut all curb and gutter sections, concrete medians and along pavement where new construction ties into existing areas. Contractor shall maintain traffic flow and provide traffic control throughout construction.
- Parking is to be striped with 4" wide painted yellow lines as indicated.
- Refer to architectural plans for exact building dimensions and exact utility entrance locations.

SITE LEGEND

- (A) 18" CONCRETE CURB. (SEE 18" CONCRETE CURB DETAIL, SHEET D1)
- (B) 18" CONCRETE CURB AND GUTTER TYPICAL. (SEE 18" CONCRETE CURB AND GUTTER DETAIL, SHEET D1)
- (C) ACCESSIBLE PARKING SPACE TYPICAL. SEE "PARKING LOT STRIPING DETAILS," SHEET D1 FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL ("VAN" - INDICATES VAN ACCESSIBLE SPACE)
- (D) NEW ADA RAMP (SEE DETAIL, SHEET D1)
- (E) PAINTED PAVEMENT STRIPING. STRIPES SHALL BE PAINTED 4" WIDE SOLID YELLOW LINE AT 2'-0" O.C. AT 45°.
- (F) PAINTED DIRECTIONAL "TRAFFIC FLOW ARROW", TYPICAL (SEE DETAIL, SHEET D1)
- (G) NEW PIPE BOLLARD (SEE DETAIL, SHEET D1)

SITE DATA

LIBRARY TRACT 1.19 AC. ±

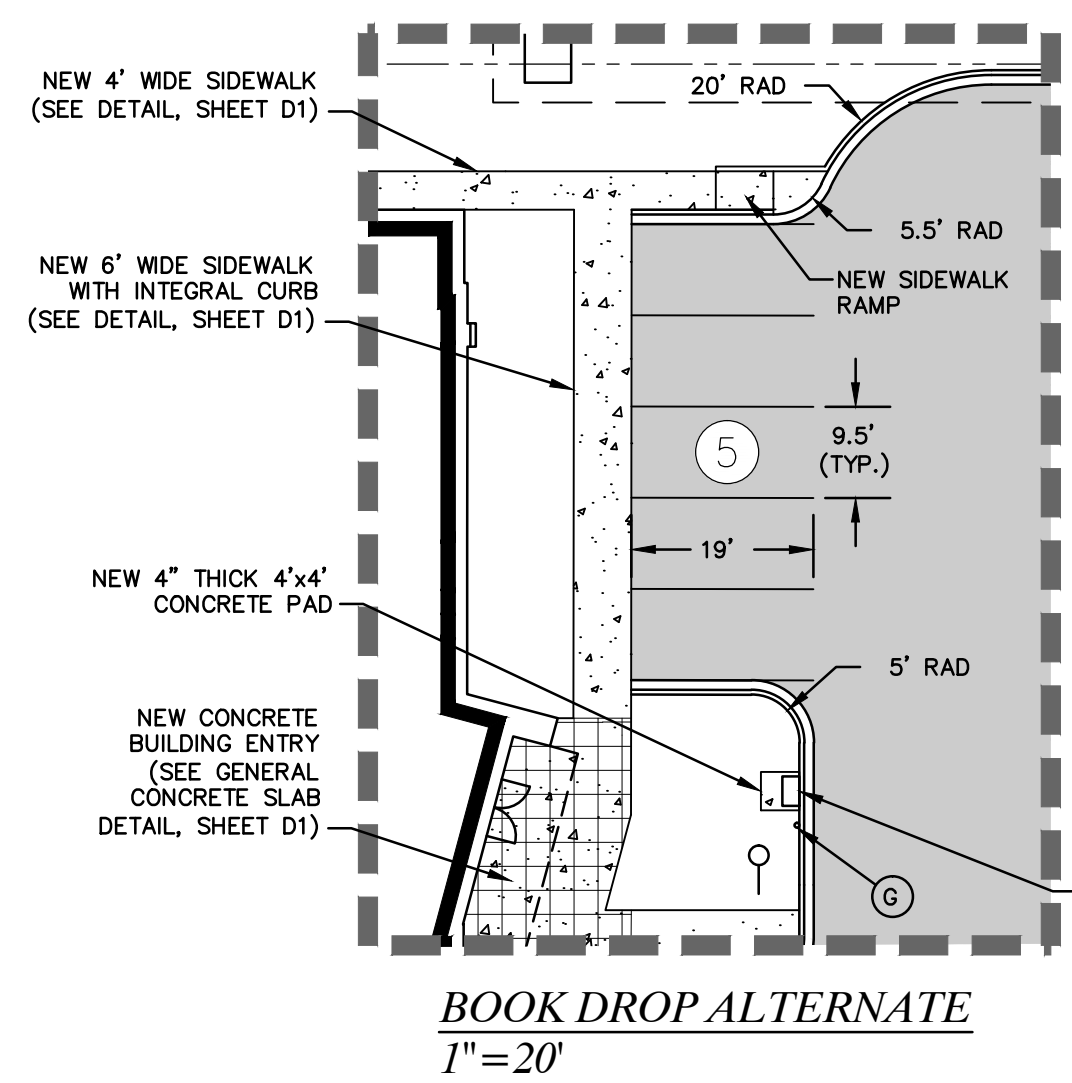
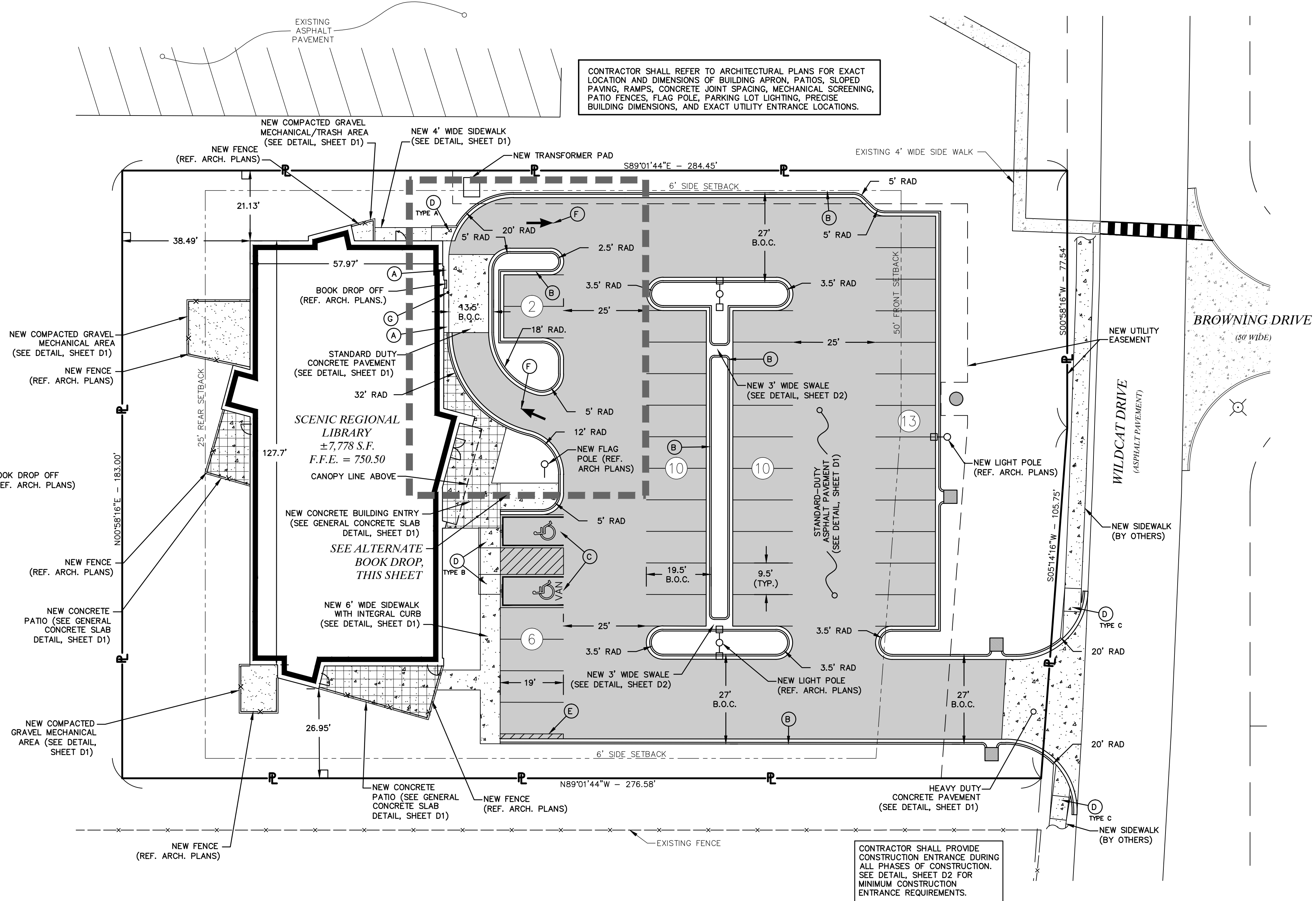
PARKING DATA

BUILDING	7,778 S.F.
STANDARD SPACES	39 SPACES
ACCESSIBLE SPACES	2 SPACES
TOTAL PARKING SPACES	41 SPACES
PARKING RATIO	5.27/1000 S.F.
REQ'D PARKING RATIO	5.00/1000 S.F.

PARKING DATA

(ALTERNATE BOOK DROP)	
STANDARD SPACES	42 SPACES
ACCESSIBLE SPACES	2 SPACES
TOTAL PARKING SPACES	44 SPACES

ROLLOUT GARBAGE CAN WILL BE STORED IN SCREENED MECHANICAL AREA.



CONTRACTOR SHALL PROVIDE CONSTRUCTION ENTRANCE DURING ALL PHASES OF CONSTRUCTION. SEE DETAIL, SHEET D2 FOR MINIMUM CONSTRUCTION ENTRANCE REQUIREMENTS.

636-584-0540 (tel.)
636-584-0512 (fax)
mailto:ochran@ochran.com

MOHRAN

- Civil Engineering
- Land Surveying
- Architecture
- Site Development
- General Consulting
- Master Planning

Missouri State Certificate of Authority Numbers:
Survey: 000380
Engineering: 001655
Architecture: 2002014240

Two working days prior to the start of any excavation call 1-800-463-ARTE for utility location information.

All OSHA rules & regulations in effect at the time of construction shall be strictly followed (i.e. trenching, blasting, etc.).

DAVID P. VAN LEER
REGISTERED PROFESSIONAL ENGINEER
NUMBER PE-2012018147
EXPIRES 11/1/17

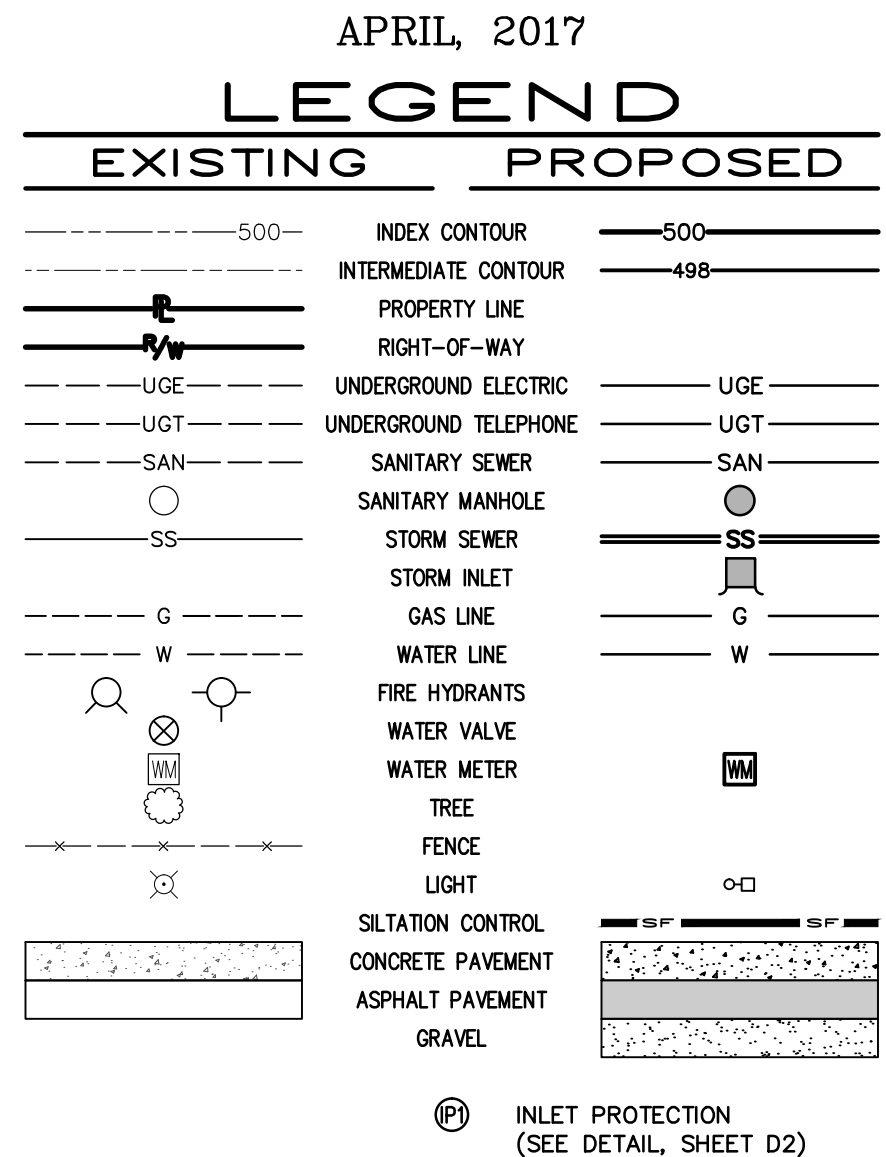
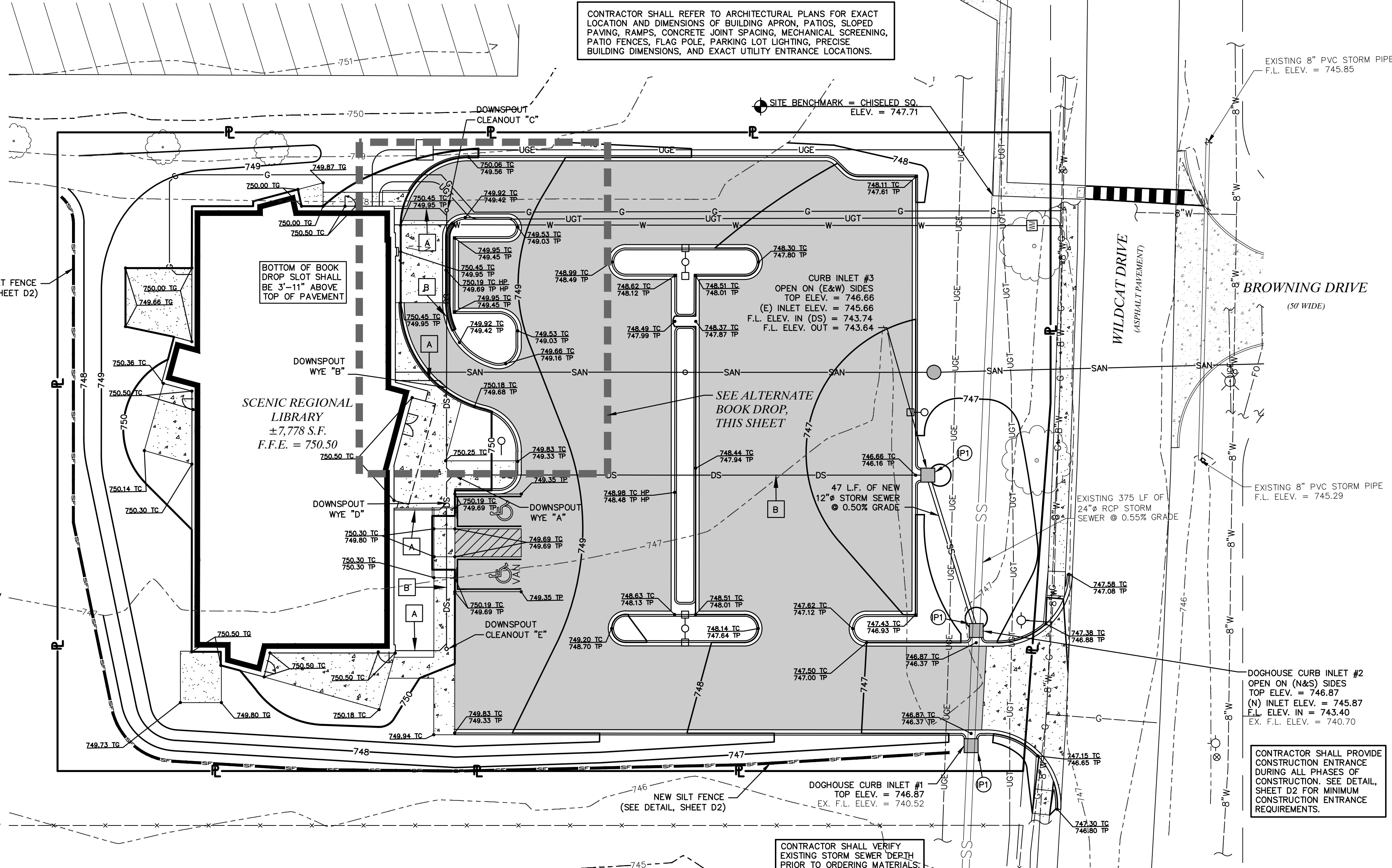
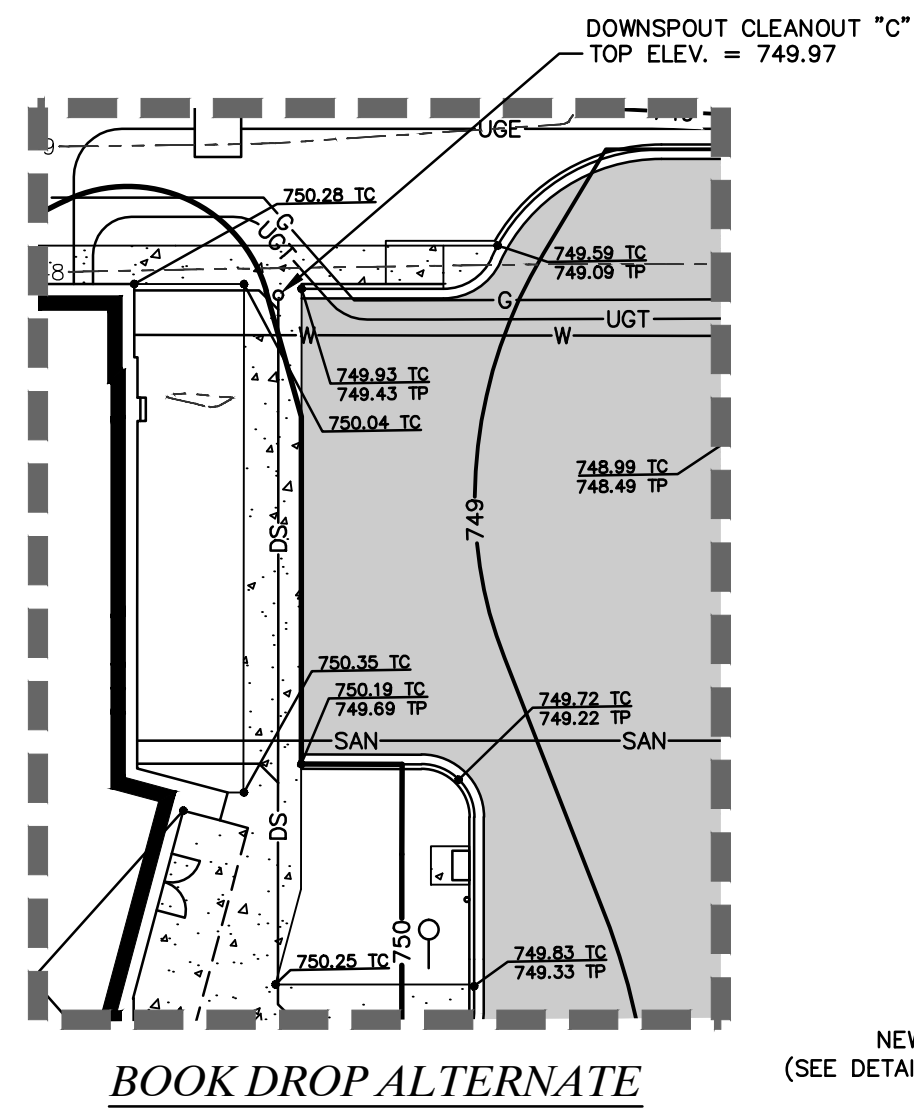
David P. Van Leer, PE
MO# PE-2012018147

SITE IMPROVEMENT PLANS
SCENIC REGIONAL LIBRARY
WRIGHT CITY, MISSOURI

DATE	BY	APP'D. BY
04-14-17	TES	DPV
04-14-17	ISSUED FOR BID	

DATE: APR. 14, 2017
SCALE: 1" = 20'
PROJ. NO.: 16-6414
DWG. NO.: C2

GRADING PLAN



GRADING & DRAINAGE PLAN NOTES

- The sitework on this project shall meet or exceed the City of Wright City standards and specifications.
- North derived from the Plat of Wright City School and Library Plat recorded as Document #201503654 of the Warren county records.
- Project Benchmark is top of USGS Disk Stamped WRIGHT and is located 26 feet North of the Centerline of Westwoods Road and 71 feet West of the Centerline of Bell Rd. in Warren County, MO
Site Benchmark is a chiseled square on the corner of the existing sidewalk.
Elevation = 747.71
- Site is zoned "C-4" General and Highway Business Districts per the City of Wright City Zoning Map.
- This property is within Zone X "areas determined to be outside of the 0.2% annual chance floodplain", per Flood Insurance Rate Map, Warren County, Missouri and Incorporated Areas, Map Number 2921900158D, Effective date November 4, 2009.
- In accordance with generally accepted construction practices, the Contractor will be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours. Contractor will be responsible for providing and maintaining all barricades, warning signs, flashing lights and traffic control devices during construction. Contractor to comply with all OSHA regulation requirements and safety meeting requirement.
- Underground structures, facilities and utilities have been plotted from available surveys and records. Therefore, their locations must be considered approximate only. There may be others, the existence of which is presently not known.
- No investigation has been performed by Cochran regarding hazardous waste, underground conditions or utilities affecting the tract shown hereon.
- Contractor to contact telephone, electric, gas, water and cable companies to have underground utilities located on this site prior to doing any excavating.
- All unsurfaced areas are to receive 4 inches of topsoil. Contractor to seed, mow, fertilize, and maintain all areas outside of paved areas that were disturbed during construction until an acceptable stand of grass is established. The Contractor shall be responsible to take whatever means necessary to establish permanent soil stabilization.
- See Landscaping Plans for landscaping requirements.
- All grading, drainage, detention, and erosion control shall be in conformance with the City of Wright City Standards.
- The Contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The Contractor must call the appropriate utility company to request exact field location of utilities. It shall be the responsibility of the Contractor to relocate all existing utilities, which conflict with the new improvements shown on plans.
- All trenches under paved areas shall be backfilled with granular material and compacted to meet compaction requirements for the road/parking lot.
- All survey monuments disturbed during construction shall be replaced by a licensed land surveyor licensed in the state in which this project is located at the Contractor's expense.
- Contractor to obtain and follow installation requirements for storm sewer from pipe manufacturer for each type of piping material. Storm sewer pipe shall be reinforced concrete pipe, Class III per ASTM C-76, with plastic bitumen gaskets at joints. Storm sewer pipe installed in green areas may be HDPE pipe, AASHTO M252 Type S and M294 Type S.
- Contractor shall coordinate adjustments to existing utilities with appropriate utility company as work progresses.
- Contractor shall coordinate the scheduling and location of the demolition and installation of all utilities, including stakeout, conduit required, trenching required, etc. Contractor shall contact each utility provider with at least 30 days advance notice of any work to be done.
- Contractor shall provide a minimum of 18" of clearance between sanitary sewer and waterlines and a minimum of 18" of clearance between storm sewers and waterlines. This may mean that lowering of waterlines may be necessary.
- Contractor shall submit shop drawings for sanitary sewer, water main, and storm sewer structures to Cochran for review and approval prior to fabrication of any structures.
- Storm and sanitary sewer plan information depicts pipe lengths and grades calculated from the center of all structures.
- All trenching, pipe laying, and backfilling shall be in accordance with Federal OSHA Regulations.
- Utility Contractor shall have approval of all governing agencies having jurisdiction over this system prior to installation.
- All necessary inspections, testing, and/or certifications required by codes, the County, and/or utility service companies shall be performed prior to announced building possession and the final connection of services.
- Contractor is encouraged to visit the site prior to submitting their bid for this project.
- Contractor shall maintain the site in a well-drained manner in order to assume the shortest possible drying time after each rainfall. This will mean that pumping of standing water in low areas on the site will most likely be required during construction.
- Contractor shall saw cut all curb and gutter sections, concrete medians and along pavement where new construction ties into existing areas. Contractor shall maintain traffic flow and provide traffic control throughout construction.
- All existing structures unless otherwise noted to remain, (i.e. fencing, trees, concrete, asphalt pavement, utilities, etc.) within the construction area shall be removed and disposed off-site in a manner meeting local and state regulations. Any burning on site shall be subject to local and state ordinances and the Owner's Specifications.
- All cut or fill slopes shall be 3:1 or flatter unless otherwise noted.
- Existing grade contours shown at 1 foot intervals. New grade contours shown at 1 foot intervals.
- If any existing structures to remain are damaged during construction it shall be the Contractor's responsibility to repair and/or replace the existing structure as necessary to return it to existing conditions or better.
- Contractor shall assure positive drainage away from buildings for all green space and paved areas.
- It shall be the contractor's responsibility to keep all mud and silt on site and off of streets.
- Land disturbing activities shall not commence until approval to do so has been received by governing agencies and until all erosion control measures have been taken.

DOWNSPOUT SCHEDULE			
STRUCTURE INFORMATION			
STRUCTURE NUMBER	TOP ELEV.	FL. ELEV.	
DOWNSPOUT WYE "A"	749.52	745.62	
DOWNSPOUT WYE "B"	749.52	745.88	
DOWNSPOUT CLEANOUT "C"	749.52	746.39	
DOWNSPOUT WYE "D"	749.52	745.71	
DOWNSPOUT CLEANOUT "E"	750.10	746.12	

DOWNSPOUT LEGEND	
A	6" SCH. 40 PVC DOWNSPOUT LATERAL (1.00% MIN. GRADE)
B	8" SDR. 35 PVC DOWNSPOUT COLLECTOR (1.00% MIN. GRADE)

Soil Preparation and Compaction:

Remove all stumps, bushes, trees, weeds, roots and other surface obstructions from the site. Contractor to strip all topsoil from the entire area to be graded. After the removal of all foreign organic matter, and after stripping of topsoil, the entire surface to be filled, or areas that are cut to subgrade shall be scarified to a minimum depth of 12 inches and then compacted by proof rolling with suitable compaction equipment weighing not less than 4000 lbs based on the contact area of one row of feet, or pneumatic-tired roller of equivalent compaction characteristics.

The maximum thickness of fill shall be in lifts not to exceed 8 inches. The proof rolling and the fill compaction operations under the building and paved areas shall produce at least 95% of the Standard Proctor Maximum Dry Density Test (ASTM D-698). Any soft areas encountered during proof rolling shall be undercut and replaced with a properly compacted fill. The compaction of the fill shall be tested during placement by a qualified soil technician to determine if the proper densification is taking place. All fill used on the site should consist of low plasticity soils as approved by the soils engineer. After proof rolling, no water should be allowed to pond on the surface. The earthwork for all building foundations and slabs shall be in accordance with architectural building plans and specifications. Compaction equipment shall be operating of the site at all times during filling operations.

Rock Preparation and Compaction:

Prior to fill placement, vegetation should be stripped and sloped areas should be benched. The fill materials placed at the site will consist primarily of a rock/sand mixture and blasted rock generated from the site. The shot rock fill materials should be well graded with particle sizes ranging from sand and silt to boulders less than 18 inches in diameter. Boulders larger than 18 inches in diameter should be separated and broken using a track hoe with a breaker or by other means or the boulders should be placed in non-critical fill areas as approved by a soil technician. We recommend that boulders larger than 18 inches not be placed in areas where they will be encountered when excavating to install utilities or construct basements or within 2 or 3 feet of the street subgrade level. Where the larger boulders are placed, care should be taken to ensure that voids are not present around them. It may be necessary to place gravel to fill or "choke off" voids around the larger boulders.

Ripped rock and shot rock should be placed in horizontal lifts not exceeding 18 inches in loose thickness and compacted by a minimum of five passes of a vibratory roller weighing at least 10 tons. Proper compaction may not be achieved without vibratory roller. Due to the varying gradation of fill materials, density tests will generally be considered inappropriate to determine the quality of the fill. Therefore, performance criteria will be used to evaluate the fill. This involves observing the placement of each lift of fill and the effects of the compaction equipment prior to placing additional fill.

GEOTECHNICAL REQUIREMENTS

- The soils at the site are susceptible to disturbance during grading operations (i.e. pumping and/or rutting). Care must be exercised to maintain the integrity of the subgrade when preparing the site for the placement of fill, making excavations, and other earth-related construction activities. If sensitive soils are present, a special approach to grading may need to be adopted. The special approach to grading includes excavating with a trackhoe or wide-tracked excavator. Care should be exercised to maintain the integrity of the subgrade prior to the placement of fill and building construction.
- Medium to high plastic soils were encountered in the six borings at depths that will affect the proposed construction. Therefore, remediation of the expansive clay soils to a minimum depth of 5 feet below the finished floor elevation is required within the proposed building footprint. Only approved fill material will be allowed within the proposed building footprint.
- All vegetation/organic materials must be stripped where encountered. The organic material can be stockpiled on-site for later use in landscaped areas or disposed of off-site in a legal manner. In all areas, the resulting exposed subgrade should be proofrolled, and any soft soil or yielding areas should be over excavated and backfilled with new compacted fill or well-graded crushed rock.
- Where the bearing and/or subgrade soils consist of expansive clay soils, they shall be removed to a minimum depth of 5 feet below the finished floor elevation. The overexcavation should extend at least 5 feet beyond the outside edge of the building footprint to facilitate uniform compaction of the replacement materials and may require additional widening at the corners to allow equipment access for proper compaction. The overexcavation should be backfilled with properly compacted low plastic soil or 1-inch minus crushed limestone or limestone screenings. The foundations and floor slabs would then be constructed on the newly placed fill.
- Fill Materials. Prior to placement of the fill, the fill material is to be approved by representative of the Owner. In general, fill materials should consist of low plasticity, (liquid limit less than 45 percent and a plasticity index less than 20) cohesive soils or granular materials. Acceptable non-organic fill soils include materials designated CL, ML, CL-ML, SP, SW, and GW by ASTM D 2487. Open-graded "clean" granular materials, in general, should not be used, as they tend to hold water, resulting in softening of the underlying cohesive soil subgrade.
- Compaction. Fill or backfill must be placed in lifts of uniform thickness and compacted. The fill should be placed in 8-inch loose lifts. The engineered fill should be compacted to at least 95 percent of its standard Proctor (ASTM 698) maximum dry density and be placed at a moisture content that is plus or minus 2 percent of optimum moisture content. The soil fill may require aeration or wetting at the time of construction to achieve proper compaction. Deleterious material should not be included in fill, nor should the fill be placed on soft or frozen materials.
- Observation of the type of soil or granular material to be placed as fill, placement of the compacted fill and field density testing should be performed by a qualified technician on each lift to verify the compaction requirements are met in the field and to insure that high plasticity or highly compressible soils are not in the fill within the building pad area.
- Site Drainage and Grading. During construction, proper drainage should be provided to protect the foundation excavations, floor slab and pavement subgrades from the detrimental effects of weather conditions during construction. Finished subgrades and foundation excavations should be kept free of standing water at all times.
- Positive site drainage should be provided to reduce surface water infiltration around the perimeter of the building and beneath the floor slab. Grades must be sloped away from the structures and roof and surface drainage collected and discharged in such a way that water is not permitted to infiltrate the foundation backfill. Drain and utility pipes beneath the floor should have tight joints to prevent leakage. Utility trenches beneath the floor slab and pavement areas should be carefully backfilled with compacted low plastic soil or minus gradation crushed rock. "Clean" rock backfill can be a possible pathway for moisture to the potentially expansive high plastic clay.
- Proofroll pavement subgrade in both cut and fill areas and recompact the subgrade immediately prior to placing base rock for the pavement. Soft areas should be selectively undercut and backfilled with properly compacted cohesive soil of the same type present in the subgrade. Proofroll passes should be limited, particularly on silty subgrades to reduce the potential for pumping of moisture from deeper within the soil profile. The asphaltic concrete surface course should be checked during placement to verify density and total thickness.

SITE IMPROVEMENTS HAVE INCREASED THE IMPERVIOUS AREA BY 0.40 ACRES. THIS CREATES A 1.4 CFS INCREASE FOR THE 15 YEAR, 20 MINUTE STORM EVENT. STORMWATER WILL FLOW INTO THE EXISTING WRIGHT CITY SCHOOL DISTRICT DETENTION BASIN SOUTH OF THE PROPERTY. SITE IMPROVEMENTS WILL RAISE THE 100 YEAR 20 MINUTE HIGH WATER LEVEL IN THE DETENTION BASIN BY ±0.04'.

636-584-0540 (tel.)
636-584-0512 (fax)
mail@cochran.com
Civil Engineering
Land Surveying
Architecture
Site Development
General Consulting
Master Planning

COCHRAN

530A E. Independence Dr.
Union, Missouri 63084

Missouri State Certificate of Authority Numbers:
Surveying: 000380
Engineering: 001655
Architecture: 2002014240

Two working days prior to the start of any excavation work, call 1-800-UC-RATE for utility location information.

All OSHA rules & regulations and state and local construction requirements shall be strictly followed (i.e. trenching, blasting, etc.).

David P. Van Leer, PE
MO# PE-2012018147

DAVID P. VAN LEER
PE-2012018147
Professional Engineer

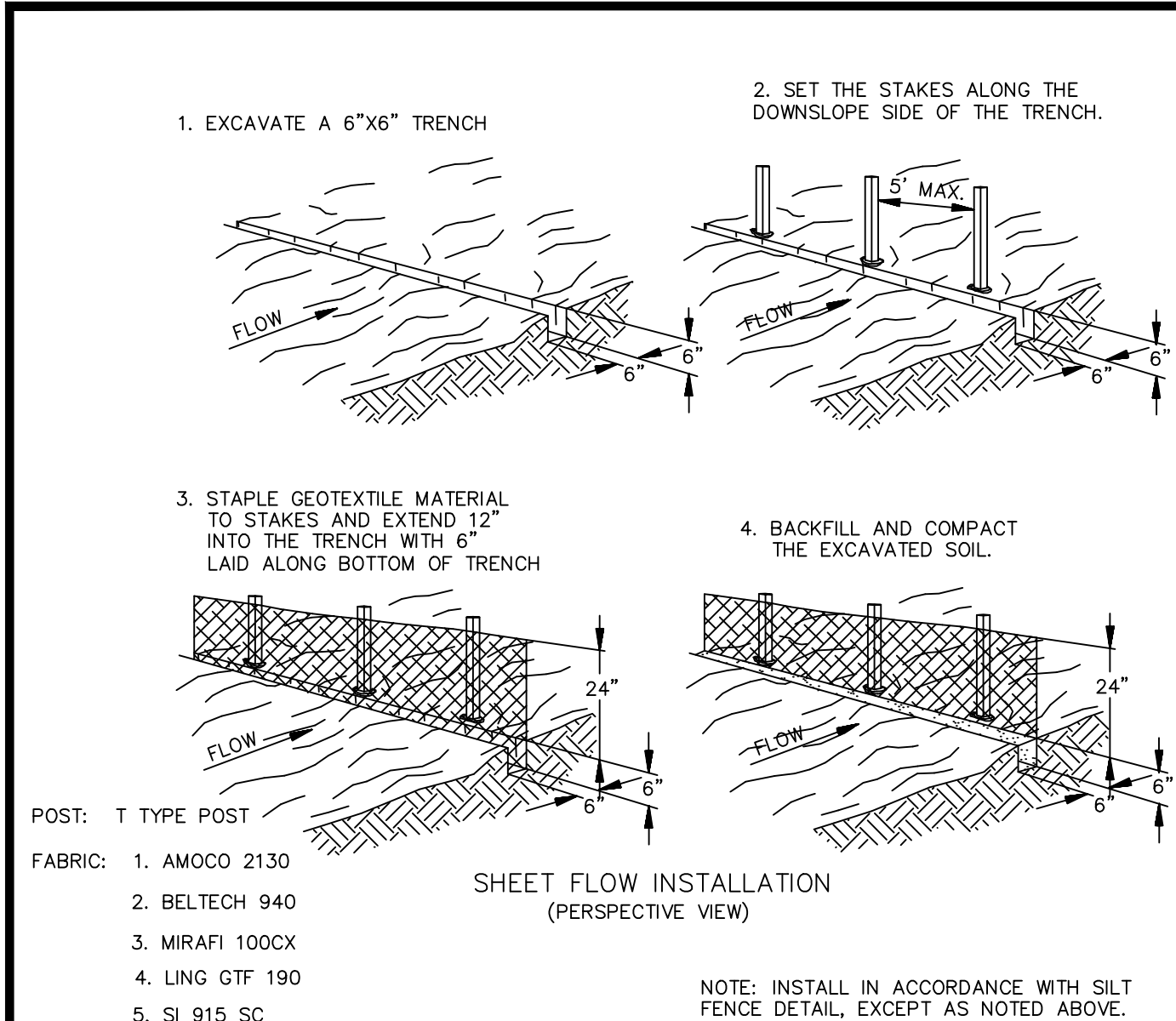
DATE: 4-14-17
ISSUED FOR BID

DATE	APPRO. BY
4-14-17	DPV
TEST	DPV

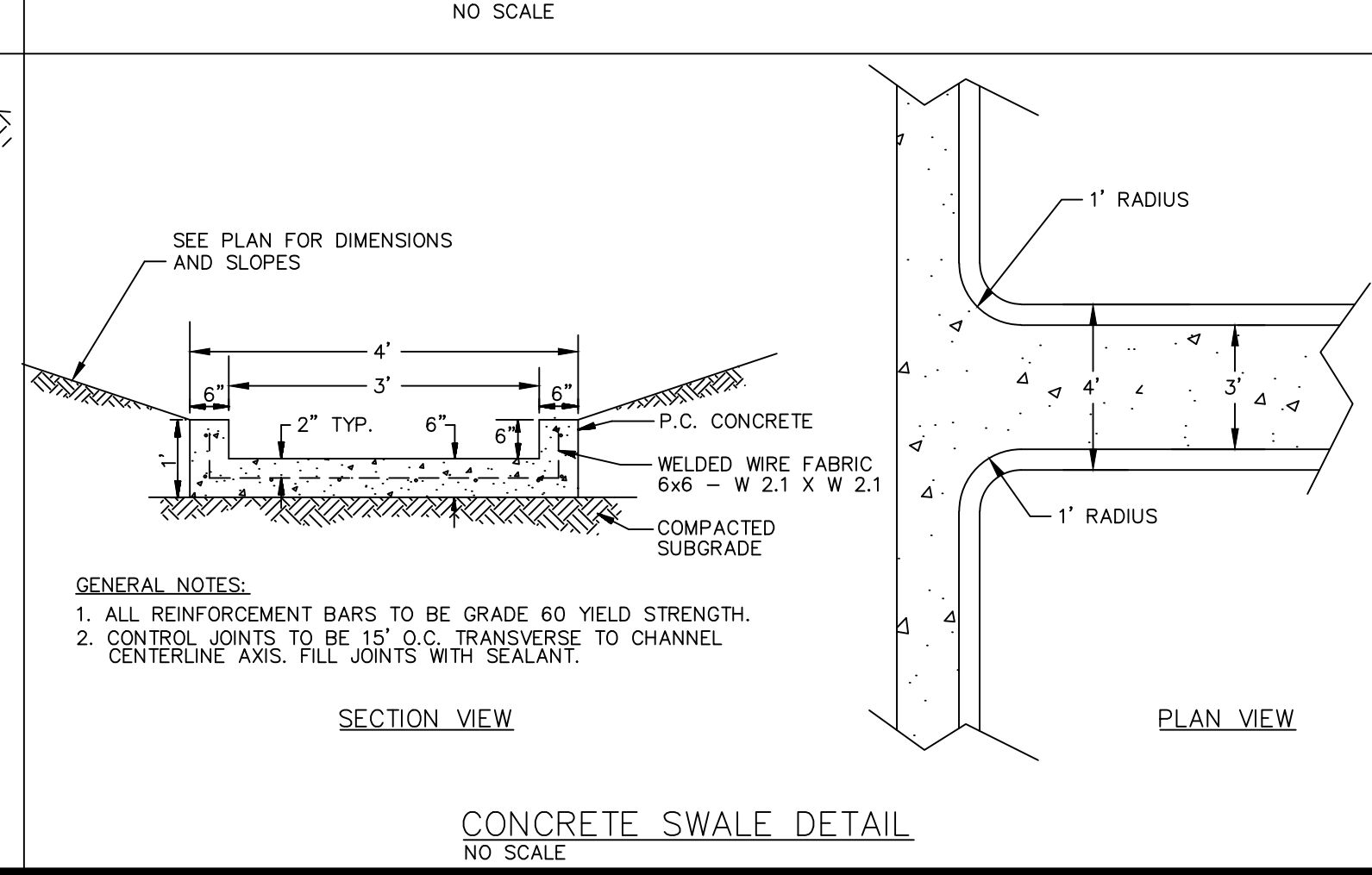
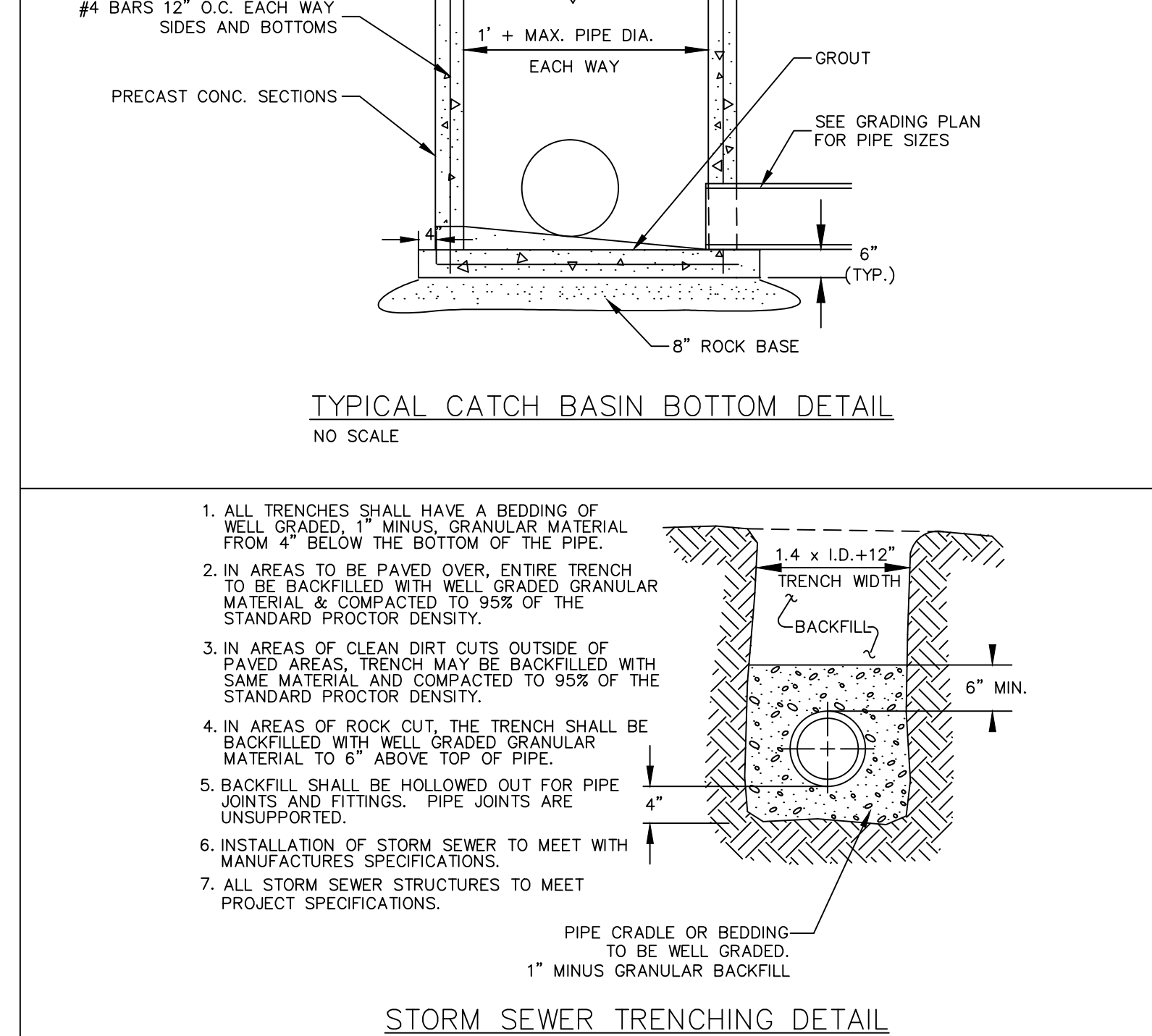
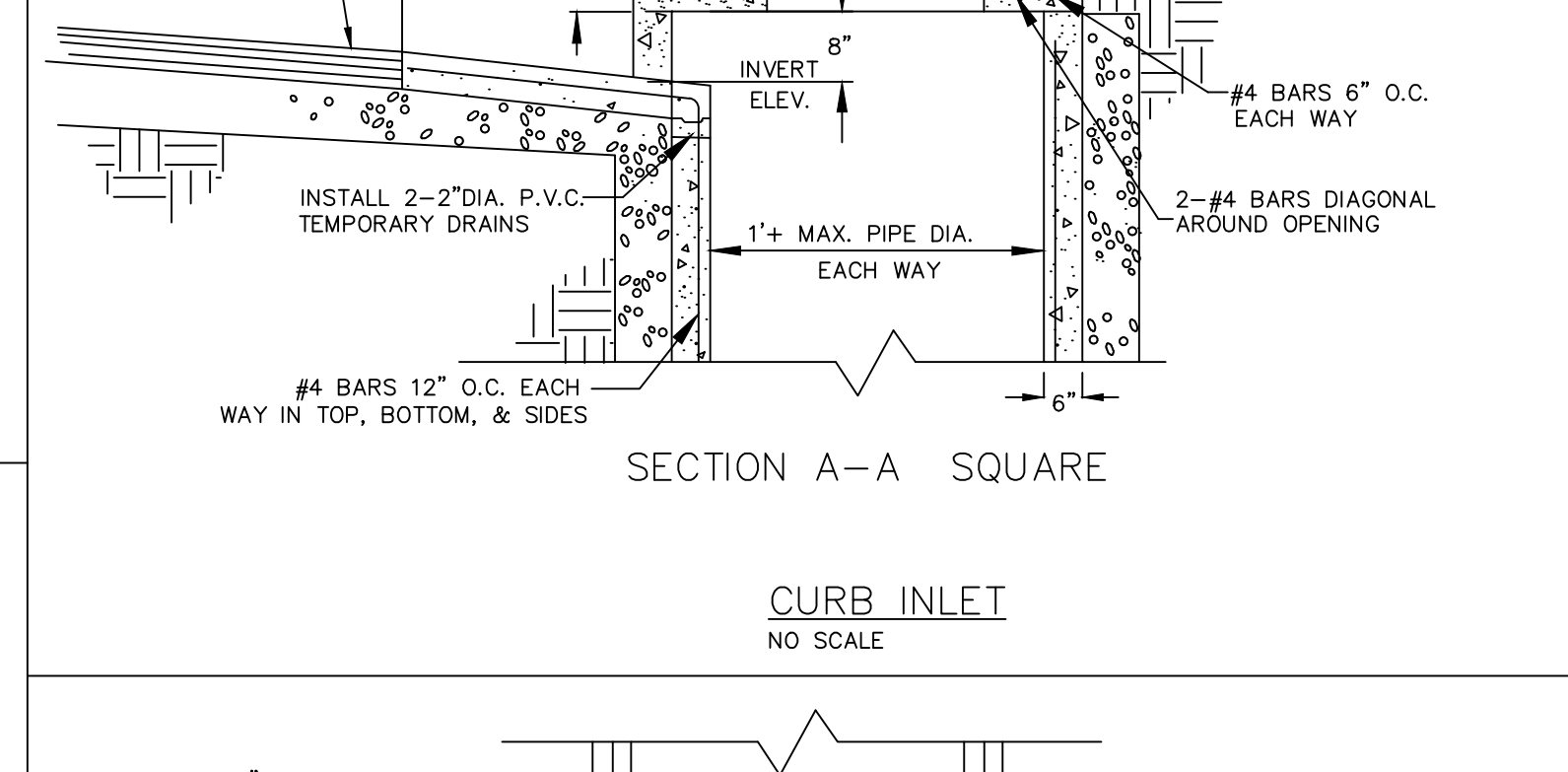
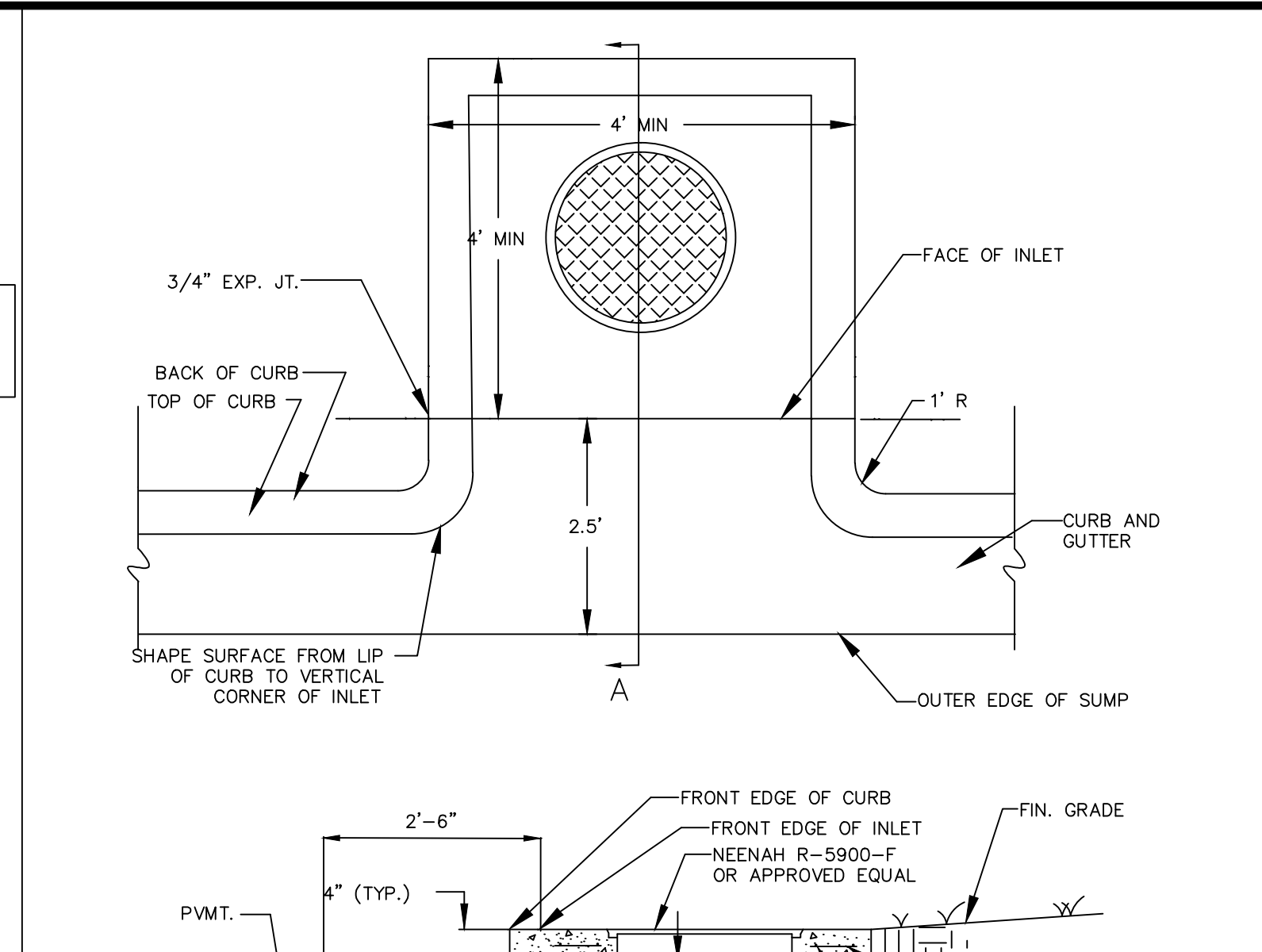
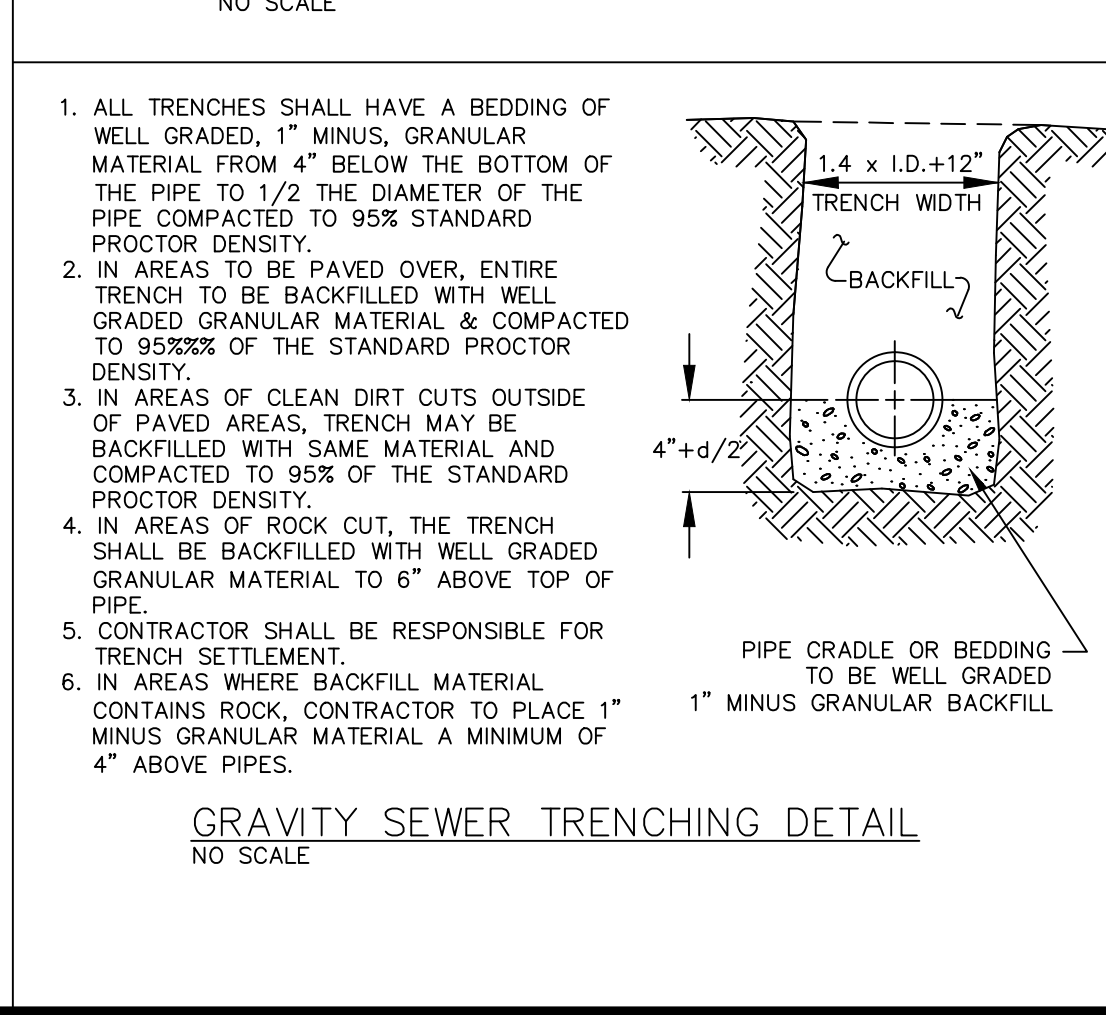
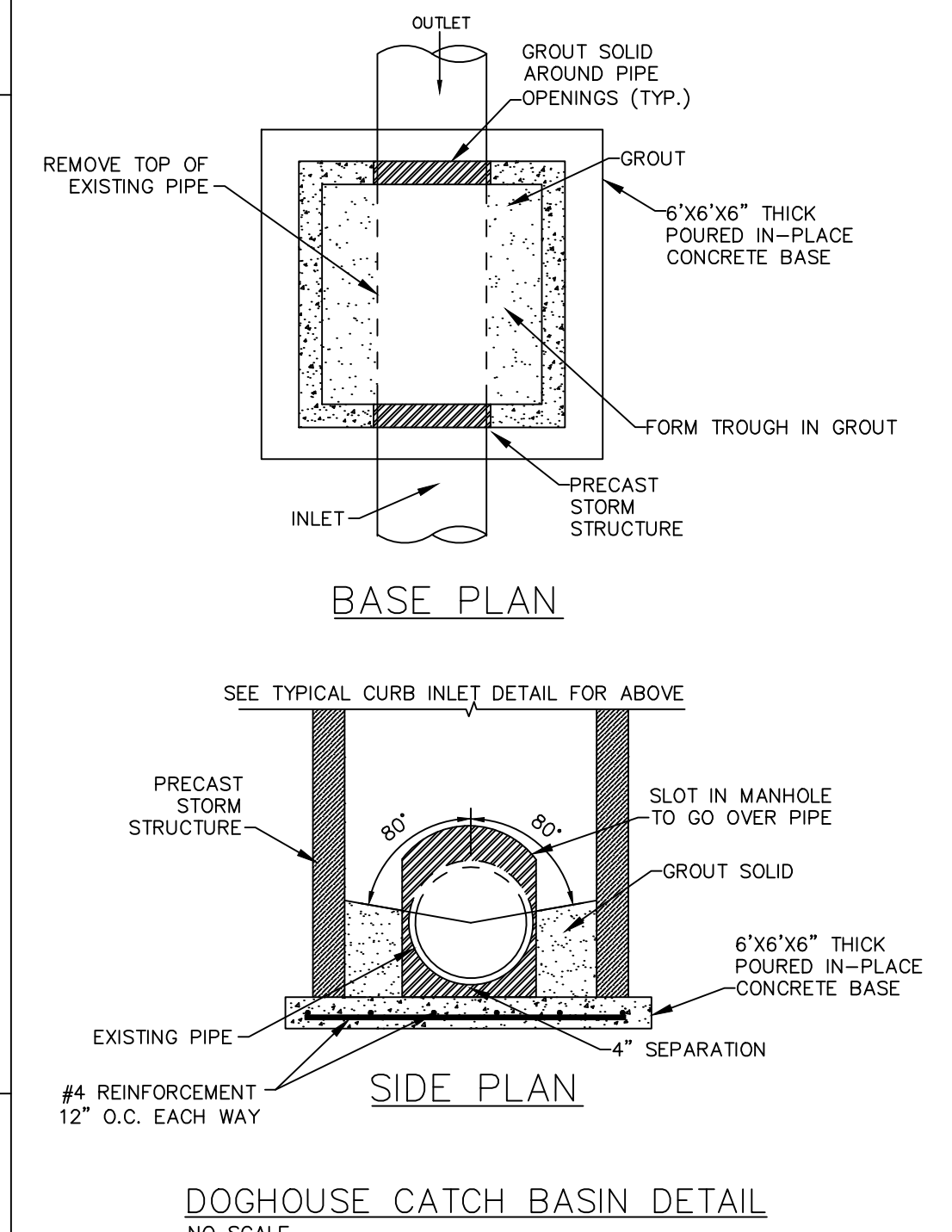
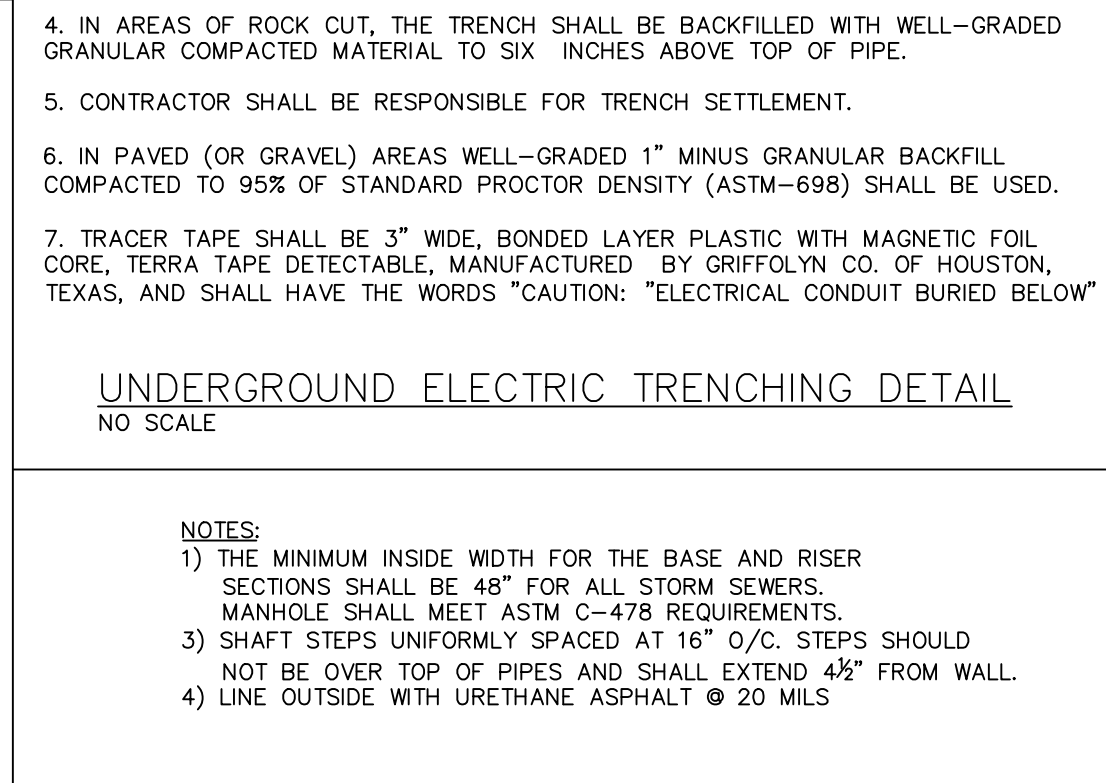
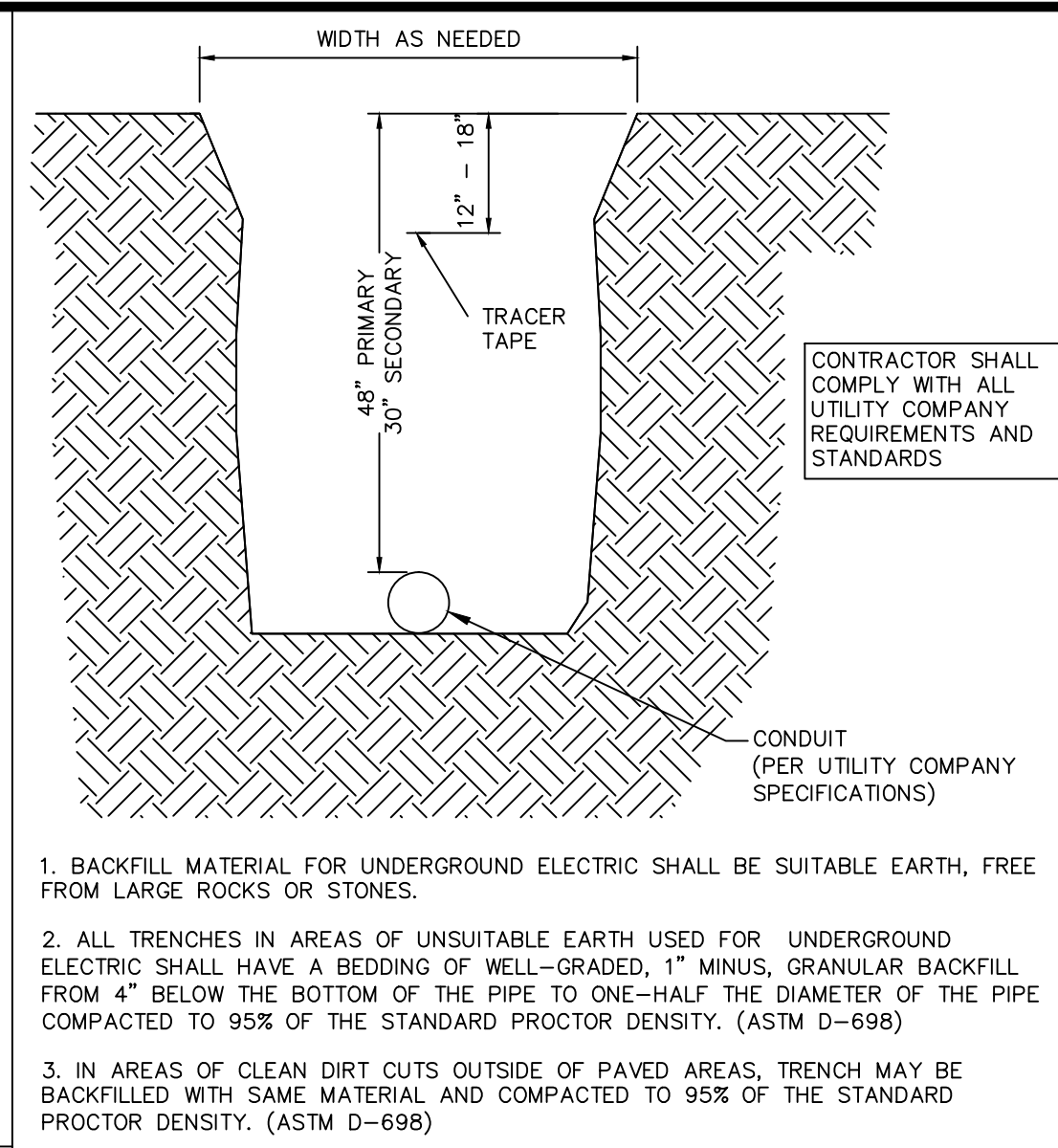
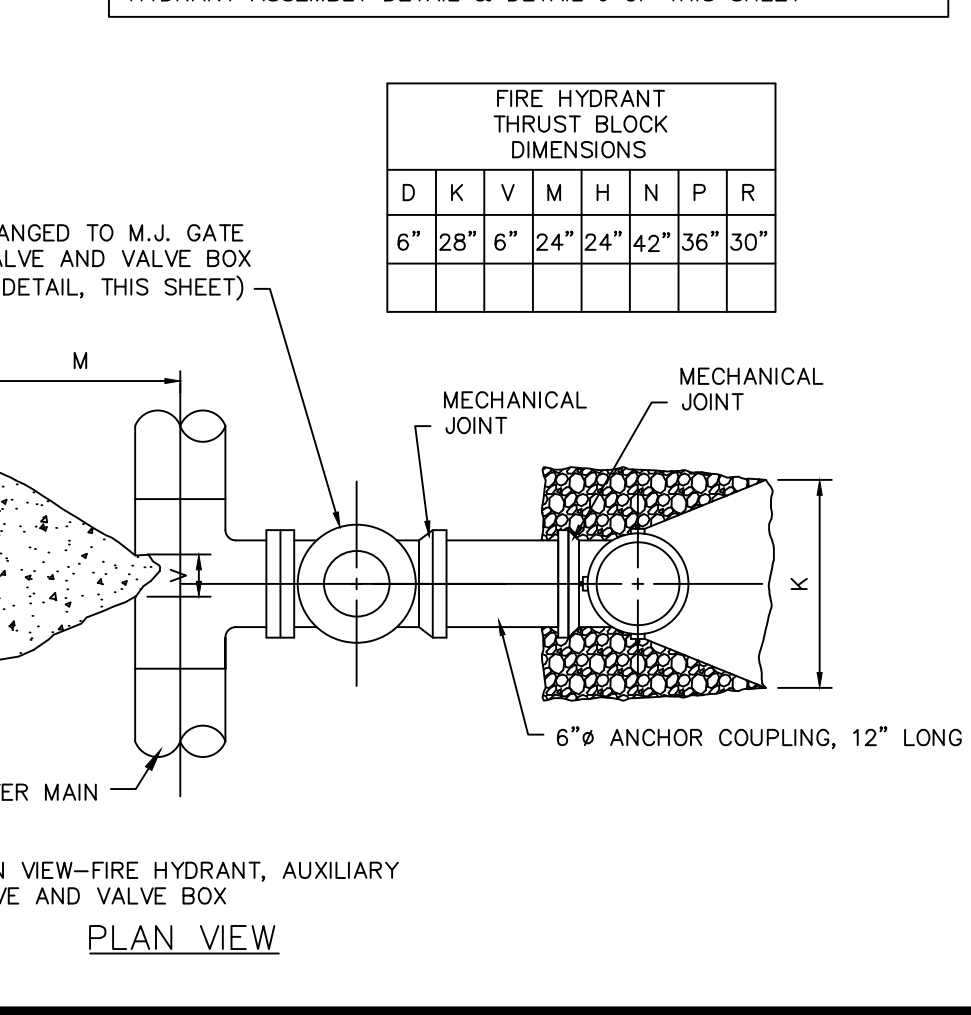
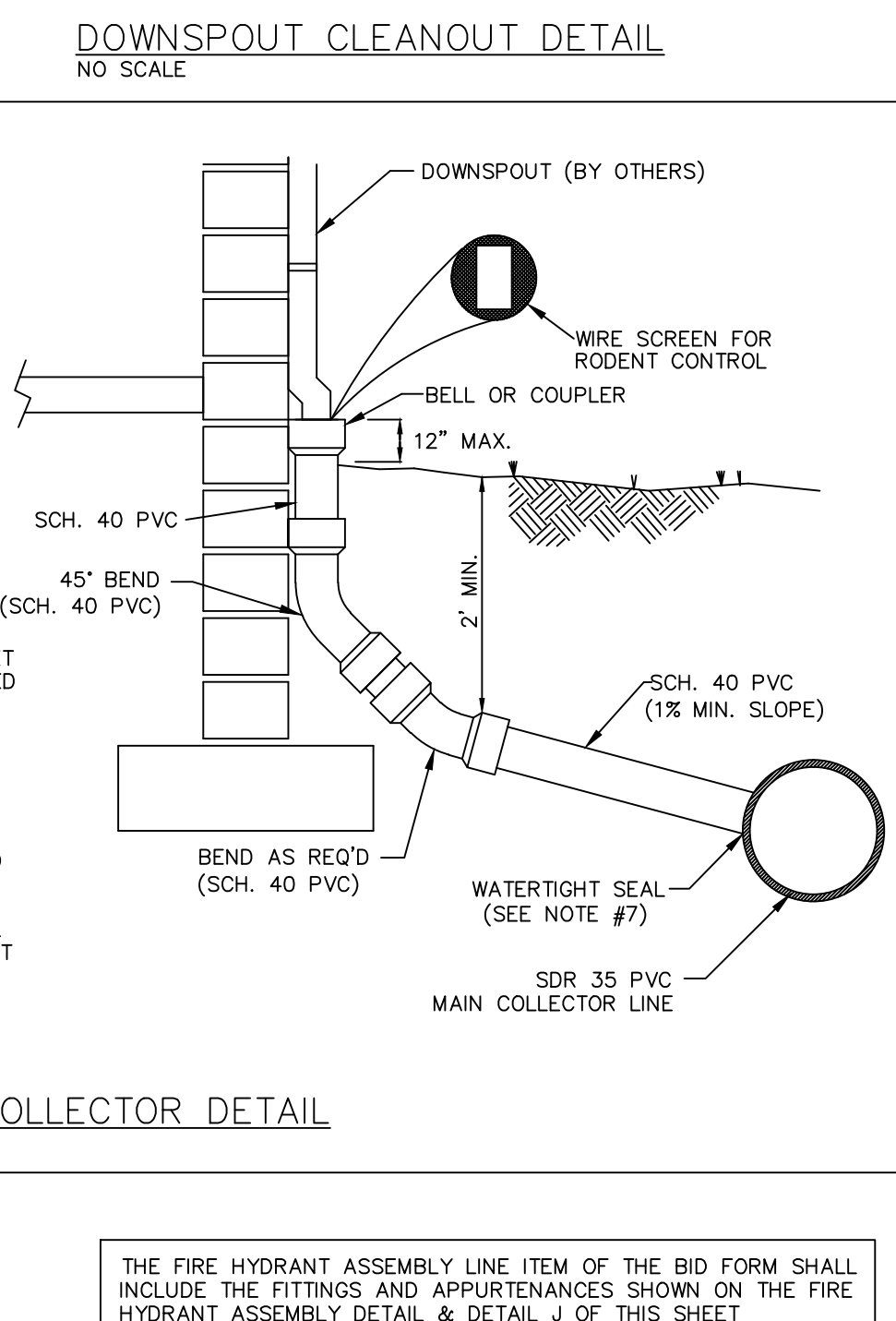
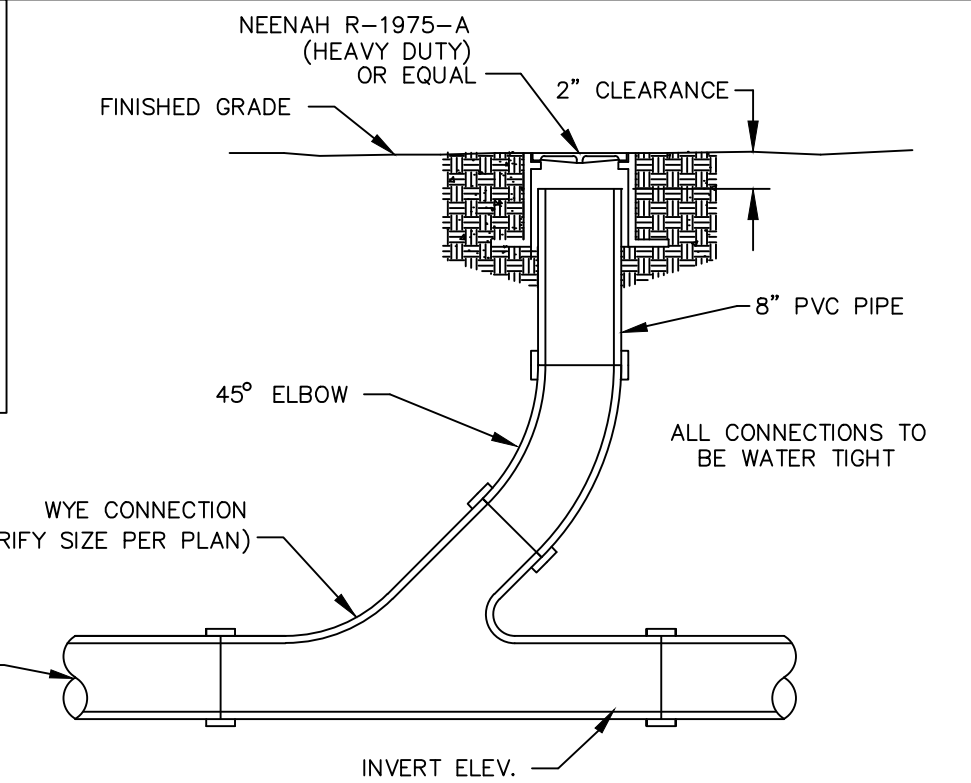
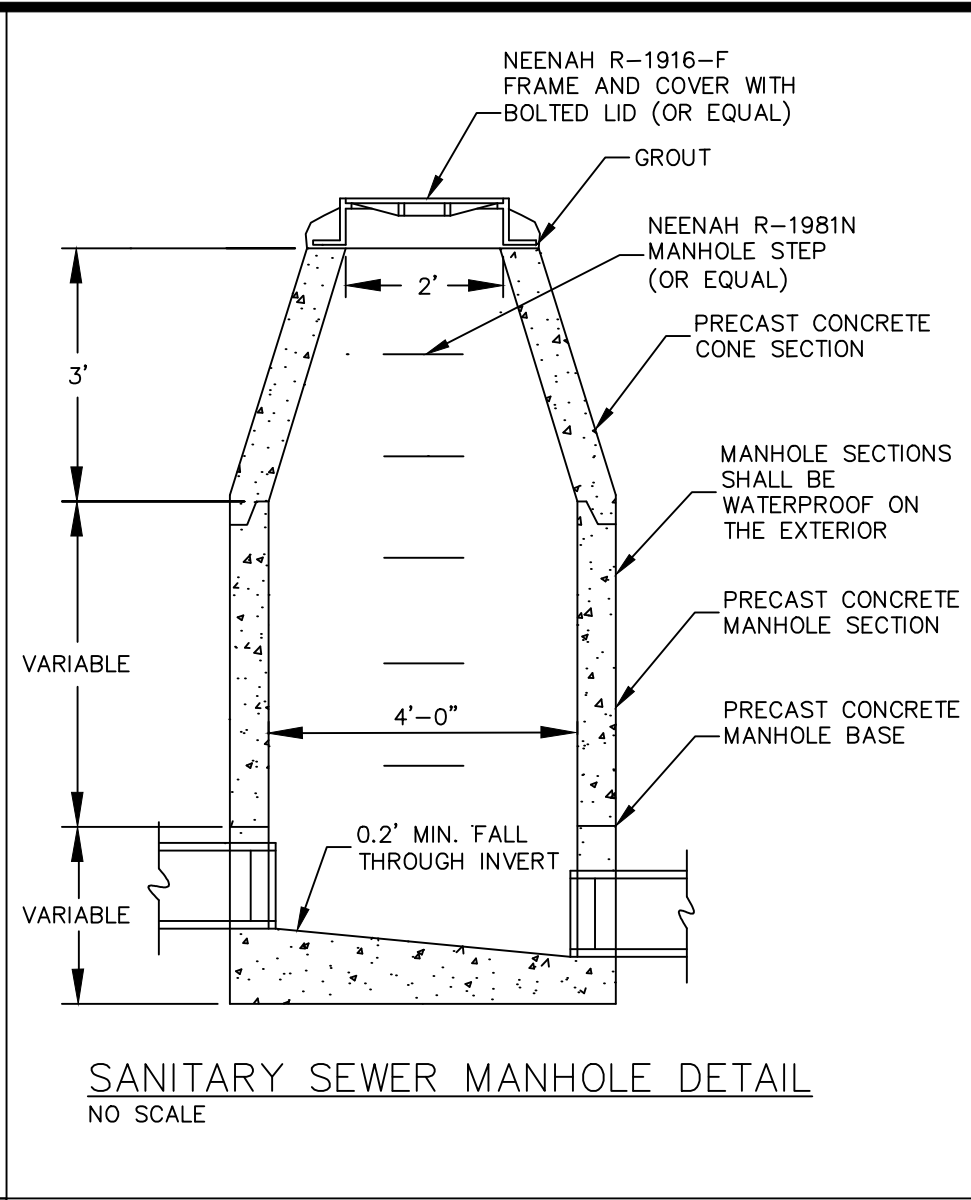
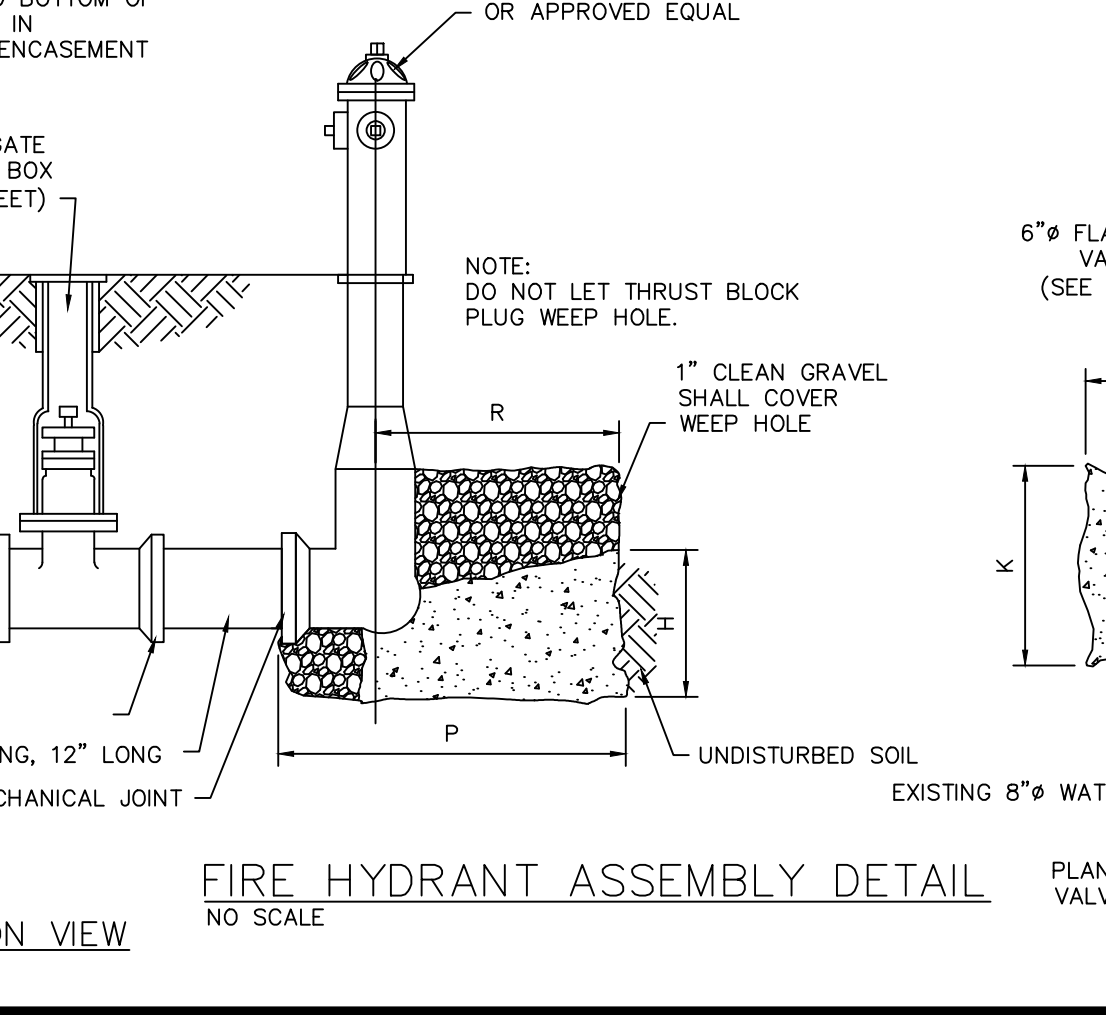
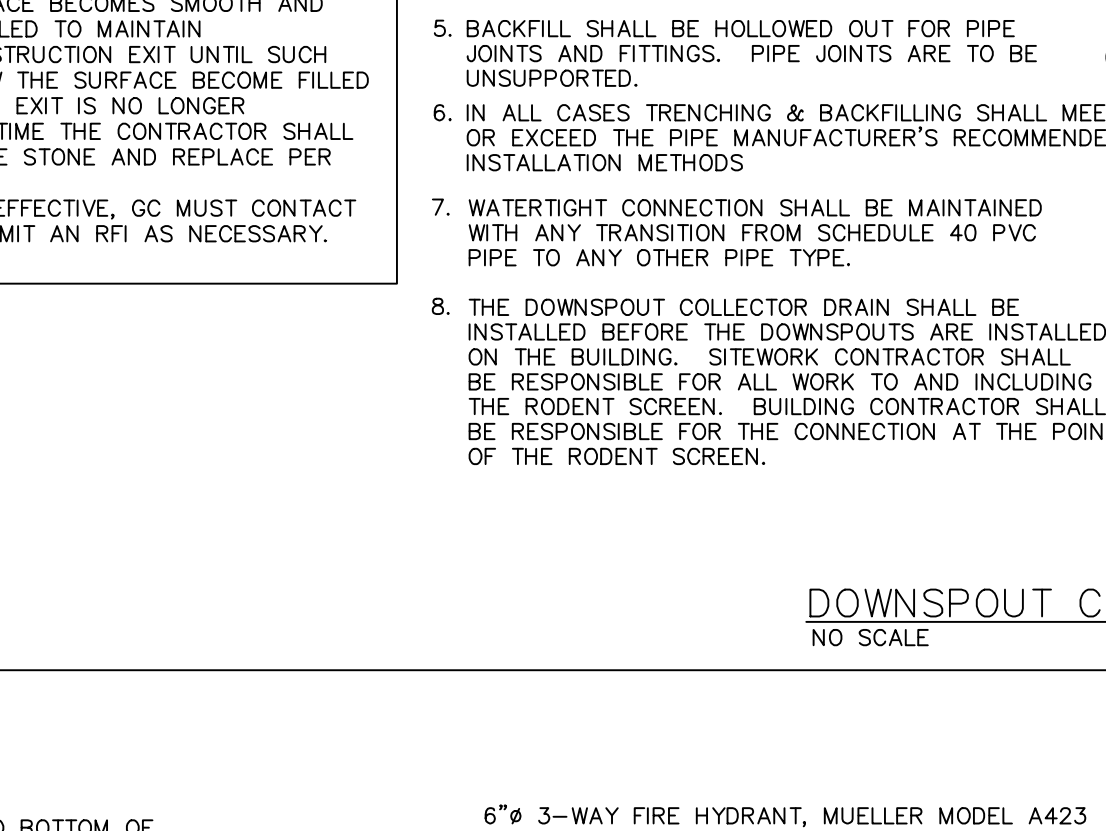
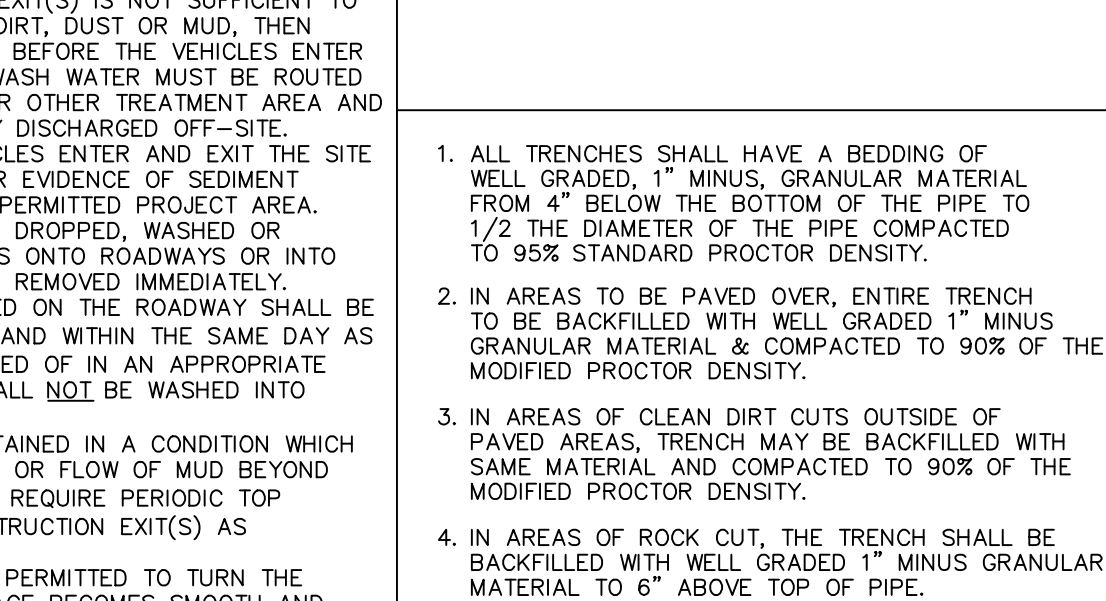
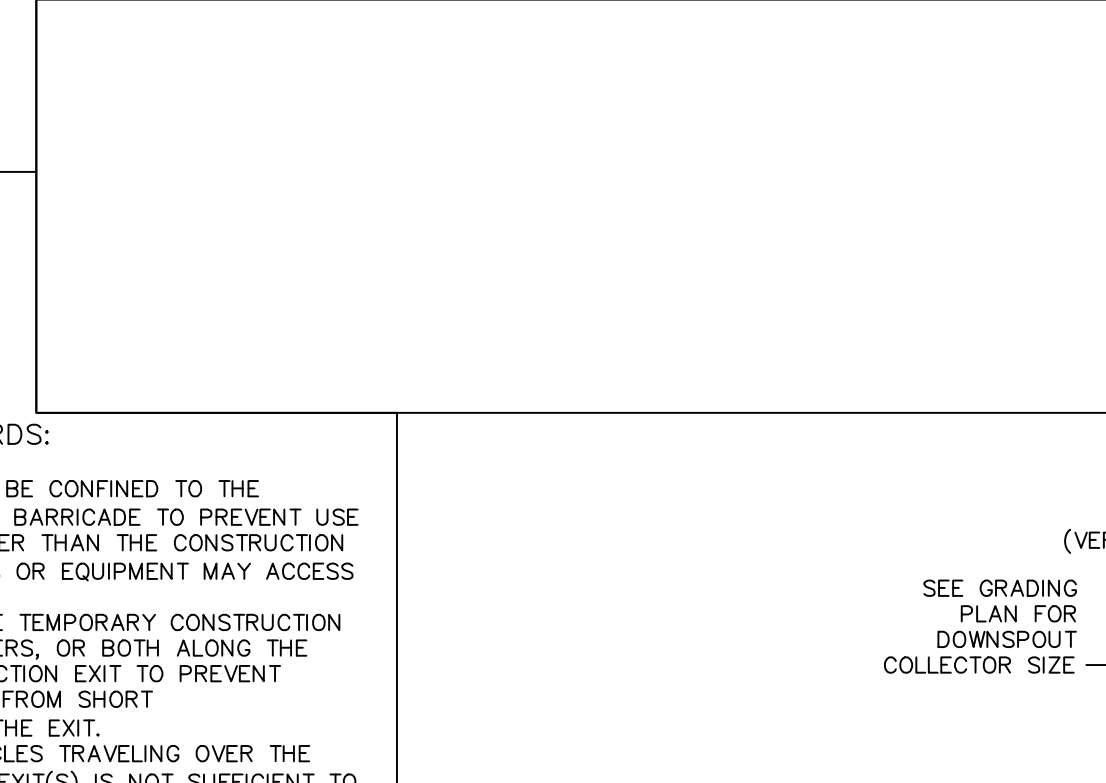
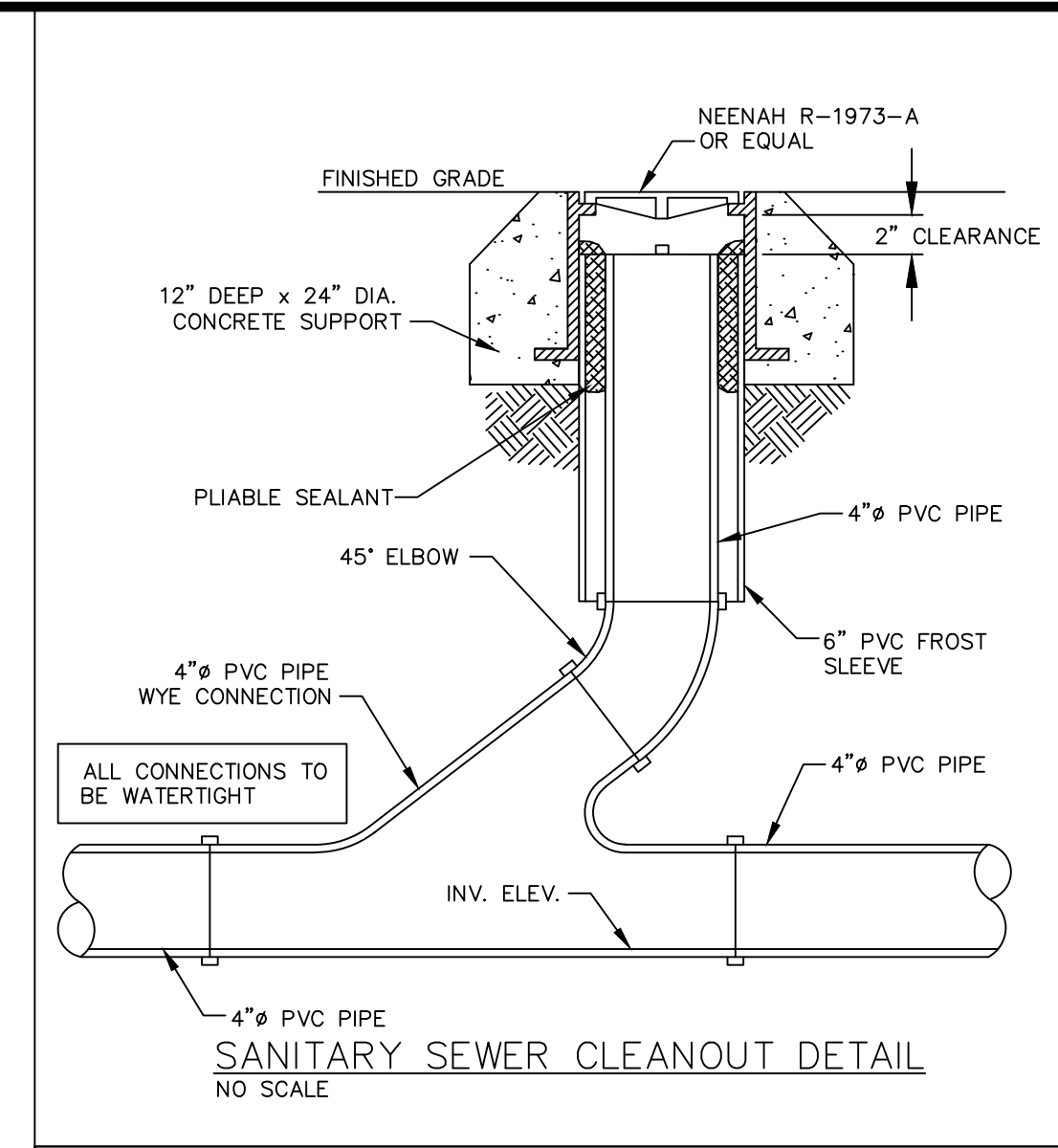
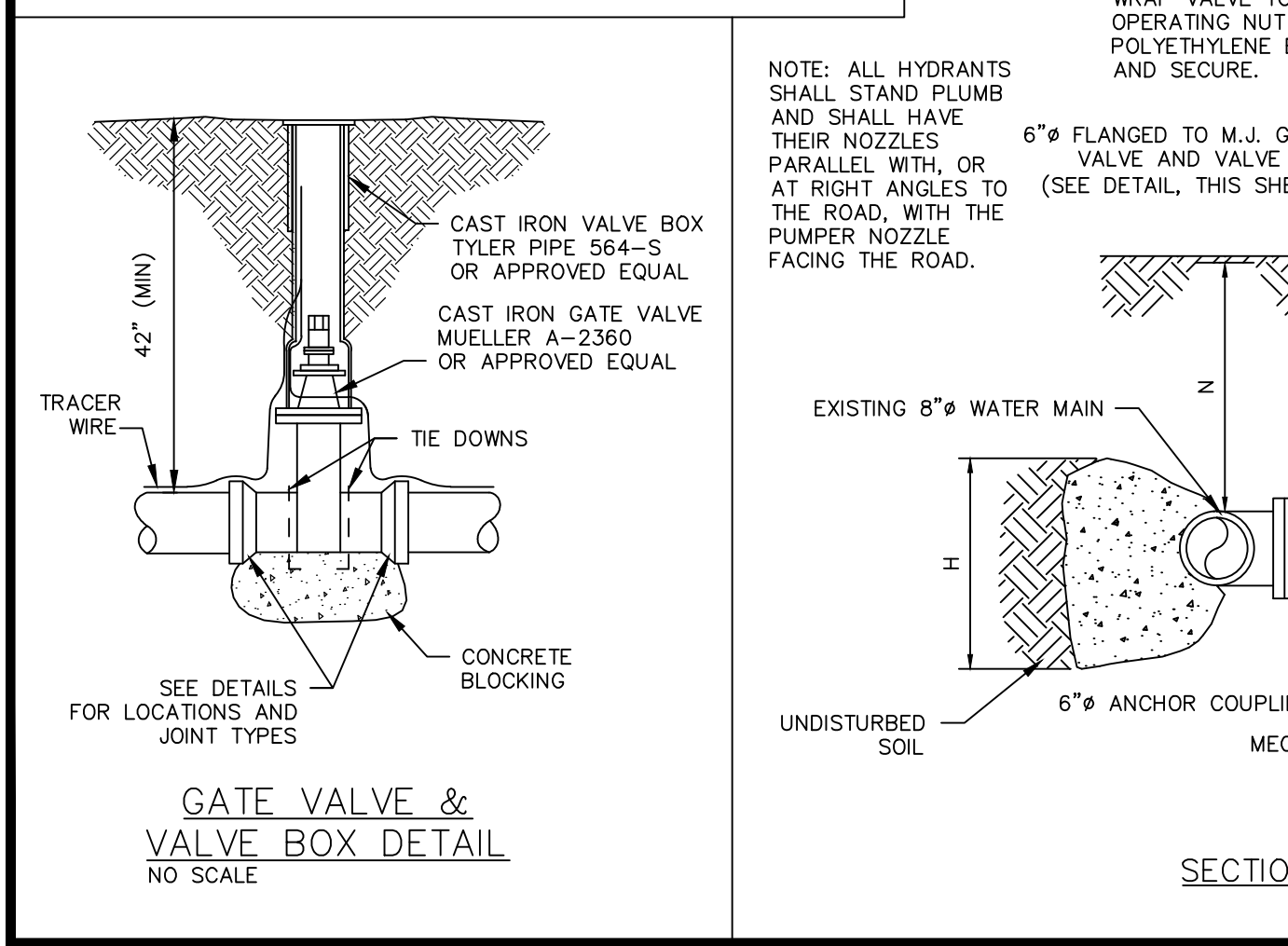
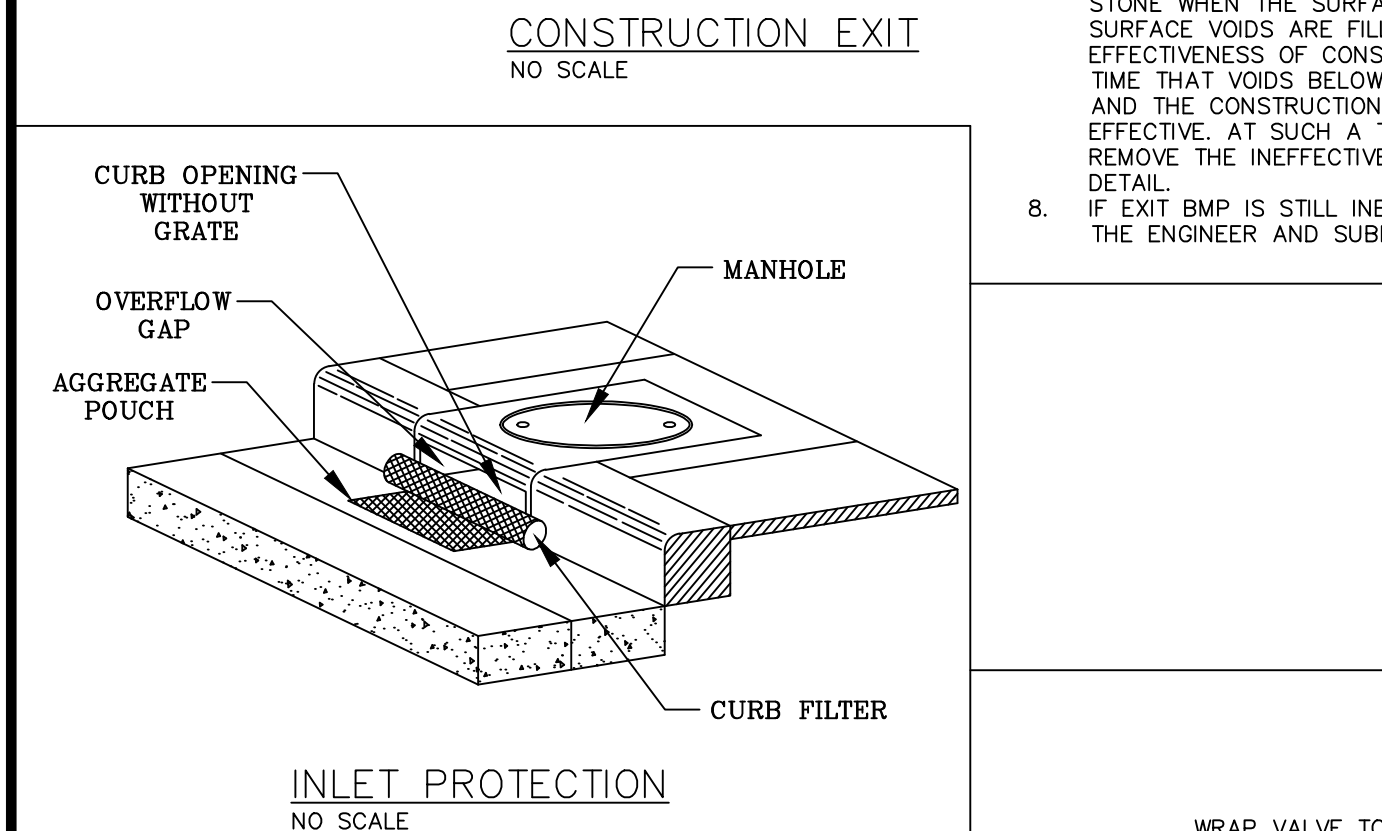
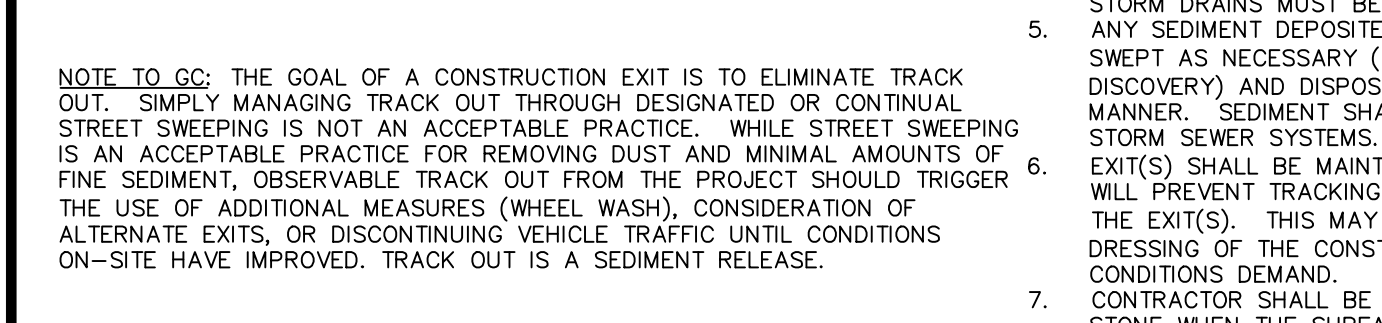
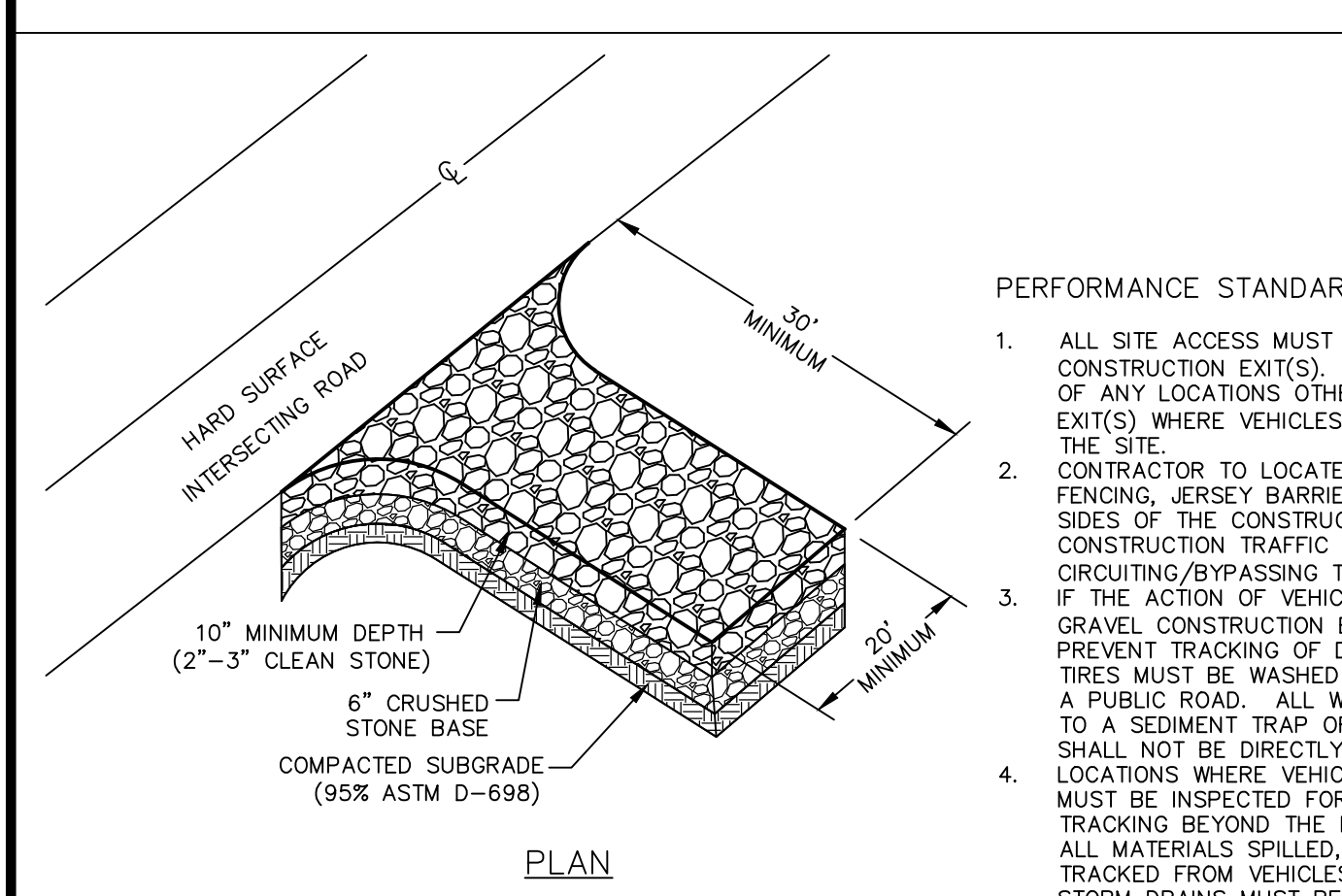
DATE: APR. 14, 2017
SCALE: 1" = 20'
PROJ. NO.: 16-6414
DRWG. NO.: C3

GRADING PLAN

SITE IMPROVEMENT PLANS
SCENIC REGIONAL LIBRARY
WRIGHT CITY, MISSOURI



SEDIMENTATION/SILT FENCE WITHOUT WIRE SUPPORT
NO SCALE



636-594-0540 (tel.)
636-584-0512 (fax)
mail@ochran.com
630A E. Independence Dr.
Union, Missouri 63084

OC HRAN
Civil Engineering
Land Surveying
Architecture
Site Development
General Consulting
Master Planning

Missouri State Certificate of Authority Numbers:
Survey: 000380
Engineering: 001655
Architecture: 2002014240

Two working days prior to the start of any excavation, call 1-800-UC-RITE for utility location information.

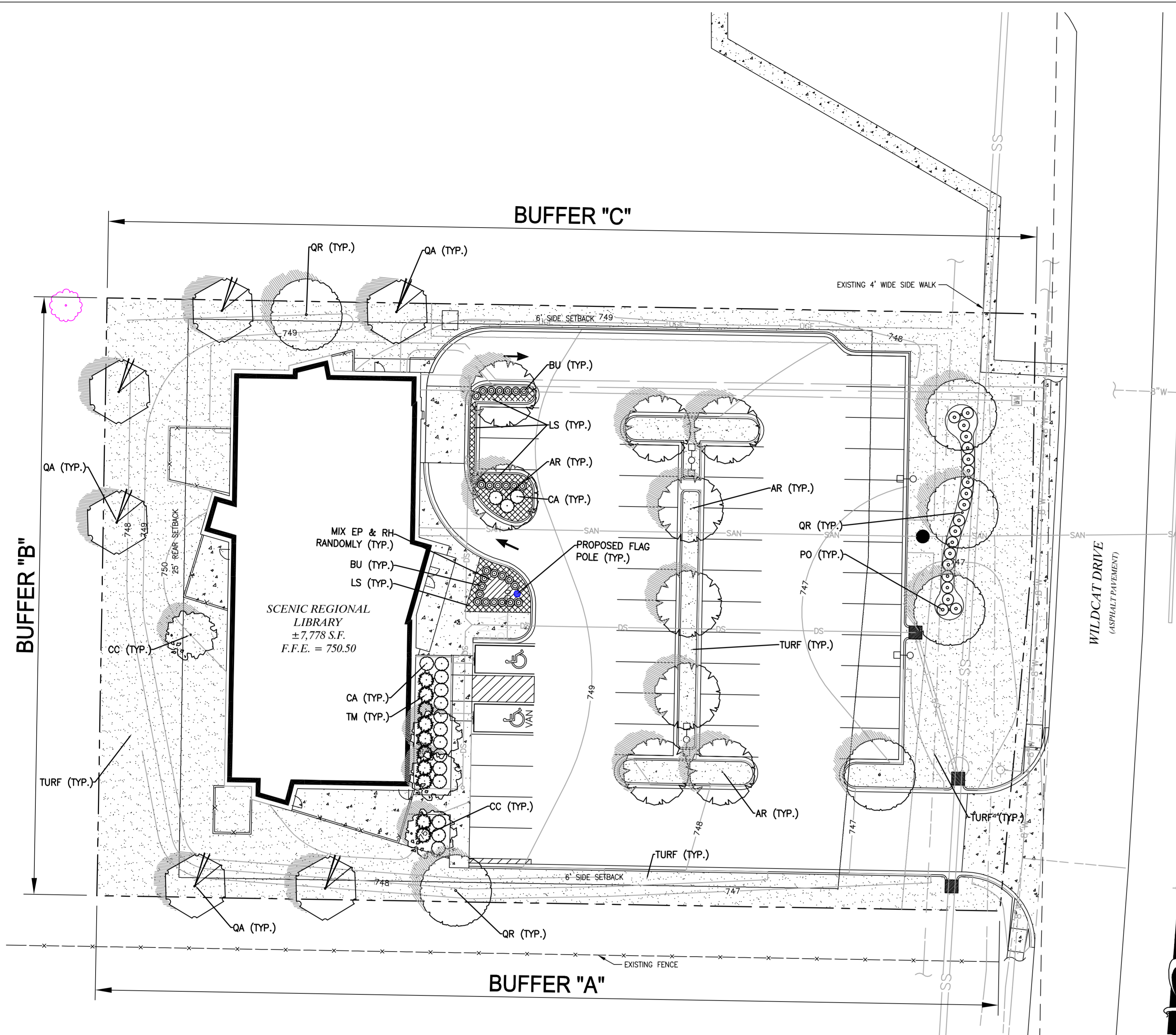
All OSHA rules & regulations and all applicable local codes and regulations shall be strictly followed (i.e. trenching, blasting, etc.).

STATE OF MISSOURI
DAVID P. VAN LEER
LICENSE NUMBER PE-2012018147
1/14/17
Professional Engineer
David P. Van Leer, PE
MO# PE-2012018147

SITE IMPROVEMENT PLANS
SCENIC REGIONAL LIBRARY
WRIGHT CITY, MISSOURI

DATE: 04-14-17
ISSUED FOR BID

DATE: APR. 14, 2017
SCALE: NO SCALE
PROJ. NO.: 16-6414
SHEET NO.: D2



PLANT SCHEDULE

CODE	QTY.	GENUS	SPECIES	COMMON NAME	SIZE	COND.	COMMENTS
DECIDUOUS TREES							
QR	6	QUERCUS	RUBRA	NORTHERN RED OAK	2.5" CAL. MIN.	B&B	
AR	9	ACER	RUBRUM	RED MAPLE	2.5" CAL. MIN.	B&B	
QA	6	QUERCUS	ALBA	WHITE OAK	2.5" CAL. MIN.	B&B	
FLOWERING TREES							
CC	4	CERCIS	CANADENSIS	EASTERN REDBUD	1.5" CAL. MIN.	B&B	
SHRUBS							
TM	10	TAXUS	X MEDIA 'DENSIFORMIS'	YEW	3 GAL.	CONT.	
CA	17	CEANOTHUS	AMERICANUS	NEW JERSEY TEA	2 GAL.	CONT.	
BU	28	BUXUS	'GREEN VELVET'	GREEN VELVET BOXWOOD	18"-24" MIN.	CONT.	PLANT 30" O.C.
PO	20	PHYSOCARPUS	'OPULIFOLIUS 'NANUS'	DWARF NINEBARK	2 GAL.	CONT.	
NATIVE GRASSES							
EP	15	ECHINACEA	PURPUREA	PURPLE CONEFLOWER	SP4	CONT.	18" O.C.
RH	15	RUDBECKIA	HIRTA	BLACK-EYED-SUSAN	SP4	CONT.	18" O.C.
GROUND COVER							
LS	140	LIRIOPE	SPICATA	LILY TURF	1 GAL.	CONT.	18" O.C.
SEED							
	2,027	SY		FESCUE SEED	SEED		

OFF-STREET PARKING AND LOADING REQUIREMENTS
CODE SEC. 405.110 D. (3) - SCREENING AND LANDSCAPING

REQUIREMENTS - WILDCAT LANE FRONTAGE	CALCULATIONS - REQUIRED LANDSCAPE	PROPOSED LANDSCAPE
1 SHRUB FOR EVERY 10 FEET OF LOT FRONTAGE	183.29 LINEAL FEET OF FRONTAGE 183.29/10 = 18.3 = 19 SHRUBS REQUIRED	20 SHRUBS PROPOSED

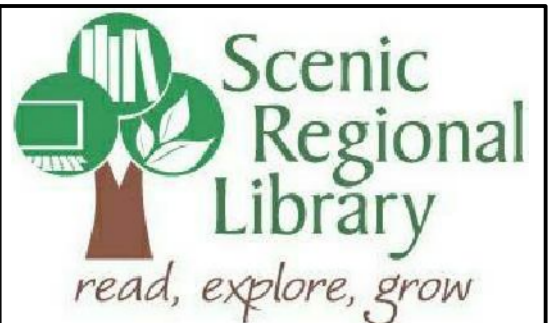
OFF-STREET PARKING AND LOADING REQUIREMENTS
CODE SEC. 405.110 D. (13) - SCREENING AND LANDSCAPING

REQUIREMENTS - BUFFER A	CALCULATIONS - REQUIRED LANDSCAPE	PROPOSED LANDSCAPE
ALL SIDE AND REAR PROPERTY LINES SHALL CONTAIN DECIDUOUS SHADE TREES WITH A MAX SPACING OF 100 FEET	276.8 FEET OF PROPERTY LINE 276.8/100 = 2.76 = 3 SHADE TREES REQUIRED	3 SHADE TREES PROPOSED
REQUIREMENTS - BUFFER B	CALCULATIONS - REQUIRED LANDSCAPE	PROPOSED LANDSCAPE
ALL SIDE AND REAR PROPERTY LINES SHALL CONTAIN DECIDUOUS SHADE TREES WITH A MAX SPACING OF 100 FEET	183 FEET OF PROPERTY LINE 183/100 = 1.83 = 2 SHADE TREES REQUIRED	2 SHADE TREES PROPOSED
REQUIREMENTS - BUFFER C	CALCULATIONS - REQUIRED LANDSCAPE	PROPOSED LANDSCAPE
ALL SIDE AND REAR PROPERTY LINES SHALL CONTAIN DECIDUOUS SHADE TREES WITH A MAX SPACING OF 100 FEET	284.45 FEET OF PROPERTY LINE 284.45/100 = 2.84 = 3 SHADE TREES REQUIRED	3 SHADE TREES PROPOSED

1 LANDSCAPE PLAN
SCALE: 1"=20'
REF. DWG.

LANDSCAPE NOTES:

- LANDSCAPE CONTRACTOR TO VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE BEGINNING WORK.
- ALL LANDSCAPE SHALL COMPLY WITH THE CURRENT EDITION OF ANSI Z 60.1 "AMERICAN STANDARD FOR NURSERY STOCK"
- ALL PLANTS SHALL MEET THE REQUIREMENTS OF THE STATE AND FEDERAL LAW WITH RESPECT TO DISEASE AND INSECT INFESTATION.
- MULCH AREAS WITH TRIPLE GROUND HARDWOOD MULCH 3" MIN. DEPTH.
- ALL LANDSCAPE SUBSTITUTIONS MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT.
- FORMAL LINES AND GROUPINGS OF A SPECIES OF TREE, SHRUB, OR GROUND COVER SHALL BE MATCHED FOR SIZE, FORM, AND COLOR.
- ALL BACKFILL IN PLANTING BEDS AND TREE PITS SHALL BE BACKFILLED WITH PLANTING SOIL.
- ALL TREES OUTSIDE OF PLANT BEDS SHALL BE PLANTED WITH A MULCH RING. OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT FOR ANY TREES THAT WILL NOT BE MULCHED FOR EXCESSIVE MOISTURE REASONS.
- ALL LANDSCAPING SHALL BE INSTALLED AS SHOWN ON THE APPROVED PLAN.
- AT PLANTING, TREE TRUNKS MUST BE STRAIGHT WITH MINIMAL DOGLEGS.
- WIRE BASKETS, BURLAP WRAPPINGS, ROPE, TWINE OR ANY SIMILAR SHIPPING MATERIALS SHALL BE REMOVED BEFORE PLANTING.
- A SPADE CUT EDGE SHALL BE CREATED AT ALL LOCATIONS WHERE PLANTING BEDS ARE ADJACENT TO GRASS AREAS UNLESS OTHERWISE NOTED.
- SEE CIVIL PLANS FOR TYPE AND LOCATION OF EROSION CONTROL MATERIALS.
- DO NOT DISTURB EXISTING UTILITIES WITHIN WORK AREA, SILT FENCE AND PLANTINGS SHALL AVOID ANY EXISTING UTILITIES.
- THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLANS. ANY SUBSTITUTION OR ALTERATION SHALL NOT BE ALLOWED WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT. OVERALL PLANT QUANTITY AND QUALITY SHALL BE CONSISTENT WITH THE PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES. WRITTEN QUANTITIES TAKES PRECEDENCE OVER GRAPHIC QUANTITIES. NOTIFY OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT OF DISCREPANCIES.
- THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT RESERVES THE RIGHT TO INSPECT AND TAG ALL PLANT MATERIAL PRIOR TO SHIPPING TO THE SITE. IN ALL CASES, THE LANDSCAPE ARCHITECT MAY REJECT PLANT MATERIAL AT THE SITE IF MATERIAL IS DAMAGED, DISEASED, OR DECLINING IN HEALTH AT THE TIME OF ONSITE INSPECTIONS OR IF THE PLANT MATERIAL DOES NOT MEET THE MINIMUM SPECIFIED STANDARD IDENTIFIED ON THE PLANS AND IN THE SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT FOR INSPECTION AND APPROVAL OF ALL MATERIALS AND PRODUCTS PRIOR TO INSTALLATION.
- THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT MAY ELECT TO UPSIZE PLANT MATERIAL AT THEIR DISCRETION BASED ON SELECTION, AVAILABILITY, OR TO ENHANCE SPECIFIC AREAS OF THE PROJECT. THE CONTRACTOR SHALL VERIFY PLANT MATERIAL SIZES WITH OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT PRIOR TO PURCHASING, SHIPPING OR STOCKING OF PLANT MATERIALS. SUBMIT CHANGE ORDER REQUEST TO OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT FOR APPROVAL IF ADDITIONAL COST IS REQUESTED BY THE CONTRACTOR PRIOR TO INSTALLATION. RE-STOCKING CHARGES WILL NOT BE APPROVED IF THE CONTRACTOR FAILS TO SUBMIT A REQUEST FOR MATERIAL CHANGES.
- THE CONTRACTOR SHALL WARRANT ALL CONTRACTED WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION HAS BEEN ISSUED BY THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT FOR THE ENTIRE PROJECT UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS OR SPECIFICATIONS.
- THE DEVELOPER, HIS SUCCESSORS AND ASSIGNS SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND REPLACEMENT OF ALL LANDSCAPING MATERIALS SHOWN OR INDICATED ON THE APPROVED LANDSCAPE PLAN ON FILE WITH THE PLANNING DEPARTMENT. ALL LANDSCAPING WILL BE INSTALLED AS DELINEATED ON THE PLAN, PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
- PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE THOROUGHLY LOOSENEED TO A DEPTH OF 8" - 12" AND AMENDED PER SPECIFICATIONS.
- ALL LANDSCAPED AREAS ARE TO HAVE SOIL PREPARATION PER SPECIFICATIONS. (MINIMUM RATE OF 3 CU. YDS. OF ORGANIC MATTER PER 1000 S.F.). TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DRAINAGE AREAS, OR UTILITY EASEMENTS. CONTACT OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS PRIOR TO INSTALLATION.
- ALL EVERGREEN TREES SHALL BE FULLY BRANCHED TO THE GROUND AND SHALL NOT EXHIBIT SIGNS OF ACCELERATED GROWTH AS DETERMINED BY THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT.
- ALL TREES ARE TO BE STAKED AND GUYED PER DETAILS FOR A PERIOD OF 1 YEAR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING STAKES AT THE END OF 1 YEAR FROM ACCEPTANCE OF LANDSCAPE INSTALLATION BY THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT. OBTAIN APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.
- ALL TREES INSTALLED ABOVE RETAINING WALLS UTILIZING GEO-GRID MUST BE HAND DUG TO PROTECT GEO-GRID. IF GEO-GRID MUST BE CUT TO INSTALL TREES, APPROVAL MUST BE GIVEN BY OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT PRIOR TO DOING WORK.
- PLACE PLANT MATERIAL IN SHRUB BED SO THAT ONCE PLANTS GROW TO FULL SIZE THEY ARE FULLY CONTAINED WITHIN THE SHRUB BED AREA AND DO NOT HANG OVER THE EDGER LINE.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE EXISTS IN ALL LANDSCAPE AREAS. SURFACE DRAINAGE ON LANDSCAPE AREAS SHALL NOT FLOW TOWARD STRUCTURES AND FOUNDATIONS. MAINTAIN SLOPE AWAY FROM FOUNDATIONS PER THE GEOTECHNICAL REPORT RECOMMENDATIONS. ALL LANDSCAPE AREAS BETWEEN WALKS AND CURBS SHALL DRAIN FREELY TO THE CURB UNLESS OTHERWISE IDENTIFIED ON THE GRADING PLAN. IN NO CASE SHALL THE GRADE, TURF THATCH, OR OTHER LANDSCAPE MATERIALS DAM WATER AGAINST WALKS. MINIMUM SLOPES ON LANDSCAPE AREAS SHALL BE 2% MAXIMUM SLOPE SHALL BE 25% UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS OR APPROVED BY THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT.
- SHRUB, GROUND COVER AND PERENNIAL BEDS ARE TO BE CONTAINED BY A SPADE CUT EDGE. EDGER IS NOT REQUIRED WHEN ADJACENT TO CURBS, WALLS, WALKS OR SOLID FENCES WITHIN 3" OF PRE-MULCHED FINAL GRADE. EDGER SHALL NOT BE REQUIRED TO SEPARATE MULCH TYPES UNLESS SPECIFIED ON THE PLANS.
- ALL SHRUB BEDS ARE TO BE MULCHED WITH MIN. 3" DEPTH, SHREDDED HARDWOOD BARK MULCH.
- AT SEED AREA BOUNDARIES ADJACENT TO EXISTING NATIVE AREAS, OVERLAP ABUTTING NATIVE AREAS BY THE FULL WIDTH OF THE SEEDER.
- EXISTING TURF AREAS THAT ARE DISTURBED DURING CONSTRUCTION, ESTABLISHMENT AND THE MAINTENANCE PERIOD SHALL BE RESTORED WITH SEED TO MATCH EXISTING TURF SPECIES.
- CONTRACTOR SHALL OVER SEED ALL MAINTENANCE OR SERVICE ACCESS BENCHES AND ROADS WITH SPECIFIED SEED MIX UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL SEEDED SLOPES EXCEEDING 25% IN GRADE (4:1) SHALL RECEIVE EROSION CONTROL BLANKETS. PRIOR TO INSTALLATION, NOTIFY OWNER'S REPRESENTATIVE FOR APPROVAL OF LOCATION AND ANY ADDITIONAL COST IF A CHANGE ORDER IS NECESSARY.
- WHEN COMPLETE, ALL GRADES SHALL BE WITHIN +/- 1/8" OF FINISHED GRADES AS SHOWN ON THE PLANS.



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390



ARCHITECT-OF-RECORD
JEMA
3005 LOCUST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
E-MAIL: SCLARK@JEMASTL.COM

DESIGN ARCHITECT
SAPP DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH FREMONT
SPRINGFIELD, MO 65804
T (417) 877-9600
F (417) 877-9696
CONTACT: JAMES STUFFLEBEAM
E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COCHRAN
530A E. INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VAN LEER
T (636) 584-0540
F (636) 584-0519
E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
ALPER AUDI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 432-9600
F (314) 807-2774
CONTACT: STEVE EHRETT
E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

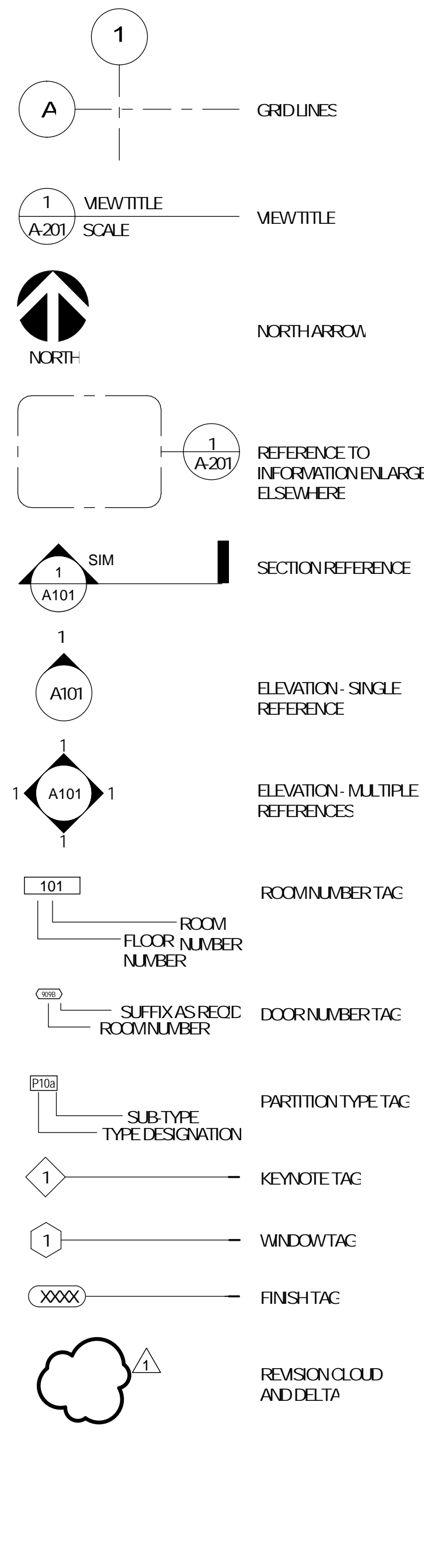
MECHANICAL, ELECTRICAL, PLUMBING
BRIC PARTNERSHIP, LLC
343 S. KIRKWOOD ROAD, SUITE 204
KIRKWOOD, MO 63122
T (314) 725-8889
CONTACT: BRUCE COLEMAN
E: BCOLEMAN@BRICPARTNERSHIP.COM

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **J.C.H.**
PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
LANDSCAPE PLAN
L1.0

DRAWING SYMBOLS LEGEND



ABBREVIATIONS LEGEND

A	AFF	ABOVE FINISHED FLOOR	IV	MAX	MAXIMUM
	ACT	ACOUSTICAL CEILING TILE	MECH	MECH	MECHANICAL
	ALT	ALTERNATE	MEF	MEF	MECH., ELECT., AND PLUMBING
	ALUM	ALUMINUM	MIL	MIL	METAL
	APPROX	APPROXIMATELY	MN	MN	MINIMUM
	ARCH	ARCHITECT (URL)	MSC	MSC	MISCELLANEOUS
B	BLKC	BLOCKING	N	N	NOT IN CONTRACT
	BLDC	BUILDING BOARD	NC	NC	NOT TO SCALE
	BC	BOARD	NTS	NTS	NOT TO SCALE
C	CFI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	C	CFI	OWNER FURNISHED, CONTRACTOR INSTALLED
	CLC	CENTERLINE	OFI	OFI	OWNER FURNISHED, CONTRACTOR INSTALLED
	CL	CERAMIC TILE	OC	OC	ON CENTER
	CF	CLEAR	OH	OH	OPPOSITE HAND
	CCNC	CONCRETE	OPC	OPC	OPENING
	CONT	CONTINUE, CONTINUOUS	OPP	OPP	OPPOSITE
	CJ	CONTROL JOINT	P	FLAW	PLASTIC LAMINATE
	CONF	CORRIDOR	PT	PT	PAINTED
	DA	DIAMETER	PTR	PTR	PARTITION
	DI	DIMENSION(S)	PVC	PVC	PLYWOOD
E	EA	EACH	C	QTY	QUANTITY
	ELEC	ELECTRICAL	R	ROP	REFLECTED CEILING PLAN
	ELEV	ELEVATION	REF	REF	REFERENCE
	EQ	EQUAL	REIN	REIN	REINFORCE(D)
	EQUIP	EQUIPMENT	REC	REC	REQUIRED
	EXP	EXPANSION	REV	REV	REVISION
	EJ	EXPANSION JOINT	RE	RE	RESILIENT BASE
	EXIST	EXISTING	S	SAB	SOUND ATTENUATION BATTS
	EXT	EXTERIOR	SC	SC	SOLID CORE
F	FIN	FINISHED	SF	SF	SQUARE FOOT (FEET)
	FIN FLR	FINISHED FLOOR	SIV	SIV	SIMILAR SPECIFICATION
	FE	FIRE EXTINGUISHER	SOFT	SOFT	SQUARE FOOT (FEET)
	FEC	FIRE EXTINGUISHER	STL	STL	STEEL
	CABINET	CABINET	SUSP	SUSP	SUSPENDED
	FLR	FLOOR	SYM	SYM	SYMMETRICAL
	FLR DRW	FLOOR DRAIN	T	TFI	TENANT (CLIENT) FURNISHED, CONTRACTOR INSTALLED
	FLUOR	FLUORESCENT	TFTI	TFTI	TENANT (CLIENT) FURNISHED, TENANT INSTALLED
	FOS	FACE OF SHEATHING	TEL	TEL	TELEPHONE
	FRT	FIRE-RETARDANT TREATED	TEMP	TEMP	TEMPERATURE
G	GA	GAUGE	TOA	TOA	TOP OF ARCHITECTURE
	GC	GENERAL CONTRACTOR	TYP	TYP	TYPICAL
	GYP	GYP-SUMBOARD	U	U	UNDERWRITERS LABORATORIES, INC.
H	HCF	HANDICAPPED	UL	UL	UNLESS NOTED OTHERWISE
	HDA	HARDWARE	V	VERT	VERTICAL
	HT	HEIGHT	WC	WC	WALL COVERING
	HC	HOLLOW CORE	W	W	WITHOUT
	HV	HOLLOW METAL	WC	WC	WOOD
	HCR	HORIZONTAL	WV	WV	WALL COVERING
	HR	HOUR	WV	WV	WITHOUT
	HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	WV	WV	WOOD
I	INCL	INCLUDED	WV	WV	WOOD
	INSUL	INSULATION	INT	INT	INTERIOR
	INT	INTERIOR	J	J	JOINT
	JT	JOINT	L	LAV	LAMINATE
L	LAV	LAMINATE			

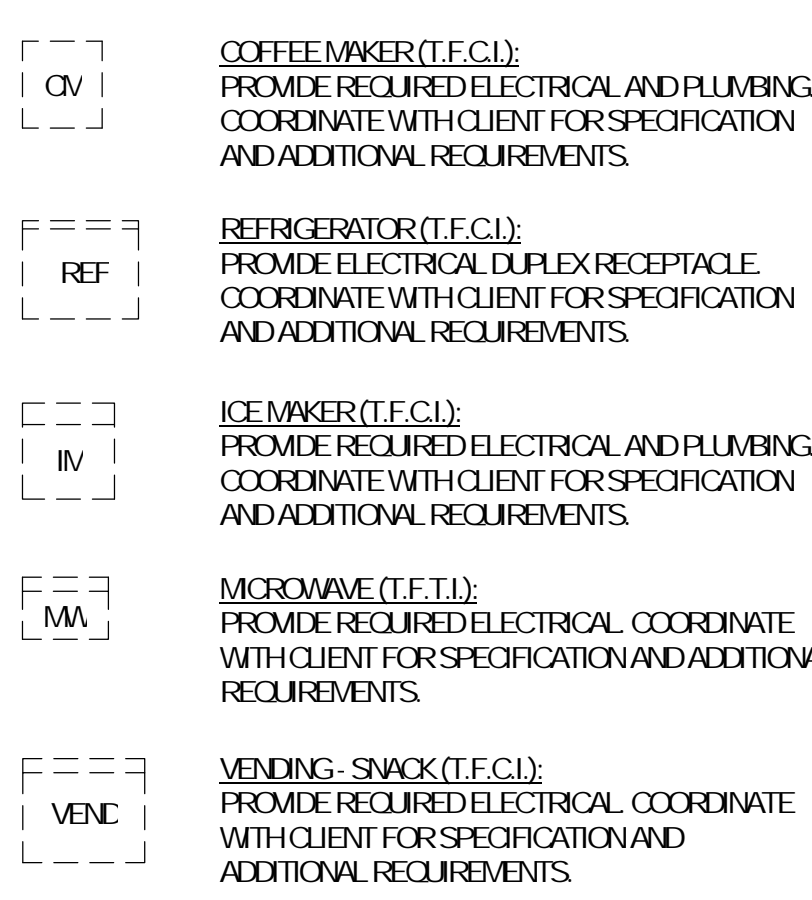
DEFINITION OF TERMS

- THE WORD "CLIENT" AS USED IN THESE DOCUMENTS REFERS TO THE ENTITY WHO HAS CONTRACTED TO THE ARCHITECT TO PERFORM PROFESSIONAL SERVICES ON THIS PROJECT.
- THE WORD "PROJECT" AS USED IN THESE DOCUMENTS REFERS TO THE SCOPE OF WORK DESCRIBED IN THESE DOCUMENTS.
- THE WORDS "CONTRACTOR," "GENERAL CONTRACTOR," AND "GC" AS USED IN THESE DOCUMENTS REFER TO THE GENERAL CONTRACTOR SELECTED BY THE CLIENT TO PERFORM THE WORK DESCRIBED IN THESE DOCUMENTS. ALL NOTES IN THESE DOCUMENTS INSTRUCT THE GENERAL CONTRACTOR.
- THE WORD "ARCHITECT" AS USED IN THESE DOCUMENTS REFERS TO ARCHITECT OF RECORD, JEMA.
- THE WORDS "CONSTRUCTION TEAM" REFER TO ALL PARTIES INVOLVED IN THE CONSTRUCTION PHASE, INCLUDING BUT NOT LIMITED TO: THE CLIENT AND THEIR CONSULTANTS; THE BUILDING OWNER; THE CONSTRUCTION MANAGER; THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS; THE CONSULTING ENGINEERS AND THE ARCHITECT.
- THE WORD "ALIGN" AS USED IN THESE DOCUMENTS SUPERSEDES ANY DIMENSIONAL INFORMATION INDICATED. IF DISCREPANCIES OCCUR, NOTIFY ARCHITECT IMMEDIATELY.
- THE WORD "PROMOTE" AS USED IN THESE DOCUMENTS MEANS FURNISH AND INSTALL.
- THE WORD "CLEAR" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS NOT ADJUSTABLE WITHOUT THE APPROVAL OF THE ARCHITECT. CLEAR DIMENSIONS ARE TYPICALLY TO FINISH FACE OF MEMBER SURFACE. COORDINATE REQUIREMENTS FOR BASE BOARD HEATERS OR OTHER PROTRUSIONS WITH ARCHITECT.
- THE WORD "MAXIMUM" OR "MIN" AS USED IN THESE DOCUMENTS SHALL MEAN THE CONDITION IS SLIGHTLY ADJUSTABLE BUT MAY NOT VARY TO A DIMENSION OR QUANTITY GREATER THAN THAT SHOWN WITHOUT APPROVAL OF THE ARCHITECT.
- THE WORD "MINIMUM" OR "MIN" AS USED IN THESE DOCUMENTS SHALL MEAN THE CONDITION IS SLIGHTLY ADJUSTABLE BUT MAY NOT VARY TO A DIMENSION OR QUANTITY LESS THAN THAT SHOWN WITHOUT APPROVAL OF THE ARCHITECT.
- THE WORD "TYPICAL" OR "TYP" AS USED IN THESE DOCUMENTS SHALL MEAN THE CONDITION OR DIMENSION IS THE SAME OR REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT. THE SYMBOL "4" AS USED IN THESE DOCUMENTS SHALL MEAN THE DIMENSION OR QUANTITY IS ADJUSTABLE TO ACCOMMODATE ACTUAL CONDITIONS. IF ACTUAL DIMENSION VARIES BY MORE THAN 1" FROM DIMENSION NOTED AS "4", INFORM ARCHITECT BEFORE PROCEEDING.

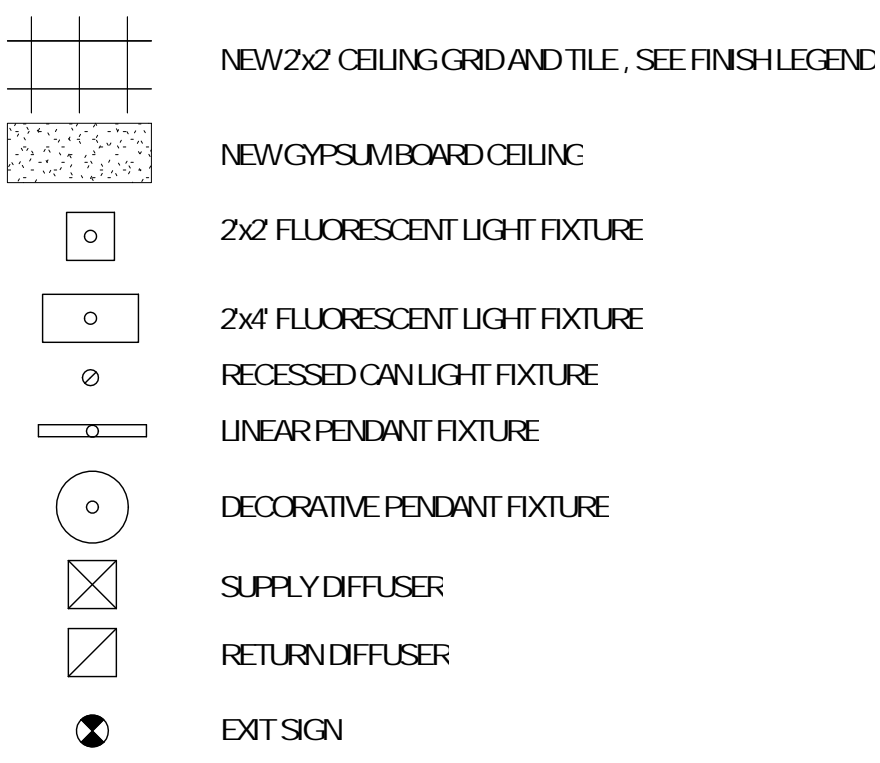
GENERAL NOTES: REFLECTED CEILING PLAN

- REVIEW CEILING LAYOUT AS SHOWN AND NOTIFY ARCHITECT OF ANY CONFLICTS WITH STRUCTURAL, ELECTRICAL, MECHANICAL, FIREWORK, FIRE PROTECTION SYSTEMS, ETC. BEFORE PROCEEDING WITH CONSTRUCTION.
- UNO, ALL NEW SUSPENDED ACOUSTICAL CEILING GRID AND TILE SYSTEMS ON PLAN TO BE ACT-1, CENTER GRID ON COLUMN CENTERLINE OR REFERENCE GRID STARTING POINT ON PLAN. REFER TO FINISH LEGEND FOR SPECIFICATION.
- INSTALL NEW CEILING TO COMPLY WITH ALL SEISMIC RESTRAINT REQUIREMENTS IN ACCORDANCE WITH ALL LOCAL BUILDING CODES. REFER TO SEISMIC INFORMATION ON SHEET A-001.
- UNO, LOCATE DOWNLIGHTS AND WALL WASHERS IN CENTER OF CEILING TILE. IF CONFLICT OCCURS, NOTIFY ARCHITECT PRIOR TO PROCEEDING.
- CONTRACTOR TO VERIFY EXACT LOCATION OF ALL RECESSED DOWNLIGHTING IN GWB CEILING. COORDINATE WITH ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- REFER TO LIGHT FIXTURE LEGEND FOR LIGHT FIXTURE SPECIFICATION AND ADDITIONAL INFORMATION.
- UNO, ALL G.W.B. CEILING TO BE PAINTED PT-2. REFER TO FINISH LEGEND FOR SPECIFICATION.
- VERIFY EXACT LOCATION OF ALL RECESSED DOWNLIGHTING IN G.W.B. CEILING. COORDINATE WITH ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- UNO, INSTALL LINEAR DIFFUSERS IN ALL G.W.B. AND A.C.T. CEILING.
- UNO, ALL SPRINKLER HEADS IN G.W.B. AND A.C.T. CEILING TO BE FULLY RECESSED TYPE. CENTER ALL SPRINKLER HEADS WITHIN 3" OF CENTER OF A.C.T.
- REFER TO ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL WALL-MOUNTED LIGHT FIXTURES.
- COORDINATE AND VERIFY LOCATION OF LIGHT SWITCHES, THERMOSTATS, FIRE ALARMS, ETC. WITH ARCHITECT BEFORE INSTALLATION.
- REFER TO ELECTRICAL DRAWINGS FOR DEVICE LOCATION DIAGRAM.
- ALL EXPOSED CEILING EDGES TO BE FINISHED.
- UNO, ALL G.W.B. CEILING IN RESTROOMS, SHOWER ROOMS AND OTHER WET LOCATIONS TO BE MOISTURE RESISTANT.
- ELECTRICAL CONTRACTOR TO COORDINATE SWITCHING AND DIMMING REQUIREMENTS AND LOCATIONS WITH ARCHITECT.
- UNO, LIGHTING IN EACH ROOM TO BE SWITCHED FROM ONE LOCATION WITHIN THAT ROOM.
- UNO, ALL LIGHT FIXTURE TYPES WITHIN EACH ROOM OR OPEN OFFICE AREA TO BE SWITCHED SEPARATELY. GANG ALL SWITCHES IN EACH ROOM UNDER A SINGLE COVER PLATE.
- UNO, POWER OUTLETS, COMMUNICATIONS RECEPTACLES, COVER PLATES, DEVICES, ETC. TO BE BUILDING STANDARD HEIGHT. REFER TO ELECTRICAL SHEETS FOR ELEC/COMM SYMBOLS AND ADDITIONAL INFORMATION.
- IDENTIFY AND COORDINATE LOCATIONS FOR ALL CEILING ELEMENTS INCLUDING LIGHTING, MECHANICAL DIFFUSERS, RETURN AIR GRILLES, FIRE PROTECTION DEVICES, ACCESS PANELS, EXIT SIGNS, AUDIOVISUAL EQUIPMENT, SECURITY DEVICES, ETC. WITH ARCHITECT BEFORE INSTALLATION.
- NOTIFY ARCHITECT OF ANY REQUIREMENTS FOR ACCESS PANELS NOT SHOWN ON DOCUMENTS BEFORE PROCEEDING WITH CONSTRUCTION.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITY AND LOCATION OF EXIT LIGHTING. EXIT LIGHTING IS SHOWN IN PLANS ONLY TO IDENTIFY PATHS OF EGRESS.
- ALL EXPOSED DUCTWORK TO BE RIGID METAL DUCTWORK.
- UNO, PAINT ALL EXPOSED CEILING ELEMENTS INCLUDING BUT NOT LIMITED TO STRUCTURE, UNDERSIDE OF ROOF DECK, DUCTWORK, CONDUIT, PIPING, WIRING, AND SPRINKLER SYSTEMS PT-2.

EQUIPMENT LEGEND



REFLECTED CEILING SYMBOLS LEGEND



GENERAL NOTES: FINISH

- GC TO REVIEW AND SUBMIT TO ARCHITECT ALL MATERIALS IN FINISH LEGEND. REFER TO PLANS, RCP, ELEVATIONS, FINISH SCHEDULE, DOOR SCHEDULE, AND DETAILS FOR FINISH INFORMATION AND LOCATIONS. SWATCHES TO BE THE SPECIFIED COLOR AND FINISH FOR REVIEW. SUPPLY A MINIMUM OF FIVE COPIES OF EACH ITEM ARCHITECT, GENERAL CONTRACTOR OR SUB CONTRACTOR, FIELD COPY, AND CLIENT.
- REFER TO PLANS, RCP, FINISH LEGEND, AND DETAILS TO VERIFY FINISHES. REFER TO ELEVATIONS FOR ADDITIONAL FINISH INFORMATION OR WHERE MULTIPLE FINISHES ARE INDICATED ON PLAN FOR THE SAME WALL.
- THE FINISH NAME TAKES PRECEDENCE OVER THE FINISH PRODUCT NUMBER WHEN ORDERING MATERIALS. CONTACT ARCHITECT WITH DISCREPANCIES BEFORE ORDERING MATERIALS.
- IDENTIFY AND INFORM CONSTRUCTION TEAM OF ALL CRITICAL PATH ITEMS, CRITICAL DEADLINES, AND DATE OF SUBSTANTIAL COMPLETION.
- PATCH AND REPAIR EXISTING FINISHES AS REQUIRED WHERE DEMOLITION OR NEW CONSTRUCTION OCCURS. NEW FINISHES TO MATCH EXISTING IN MANUFACTURER COLOR, FINISH, AND TEXTURE. WHERE MATERIALS ARE NOT AVAILABLE FOR EXACT MATCH, SUBMIT MATERIALS FOR SUITABLE REPLACEMENT BEFORE PURCHASE OR INSTALLATION.
- PATCH AND REPAIR OR REPLACE ANY EXISTING FINISHES IN BUILDING COMMON AREAS OUTSIDE SCOPE OF WORK IF DAMAGE OCCURS RELATED TO THE CONSTRUCTION OF THE SCOPE OF WORK.
- ALL INTERIOR FINISH AND SUNDRIES TO MEET OR EXCEED CLASS II FLAME SPREAD, 26-75 AND SMOKE DEVELOPMENT RATING LESS THAN 450 AND ALL OTHER APPLICABLE CODES.
- ALL IMPACT RESISTANT PANELS TO BE CLASS I COMPONENTS. TESTED IN ACCORDANCE WITH UL-723 (ASTM E-899) FLAME SPREAD 20 OR LESS. SMOKE DEVELOPED 400 OR LESS.
- ALL MINIMAL COVERING FIRE HAZARD CLASSIFICATION (ASTM E-99) FLAME SPREADS, FUEL CONTRIBUTION, SMOKE DENSITY FACTORS.
- MAINTAIN AND PROTECT EXISTING FLOORING AND FINISHES TO REMAIN DURING CONSTRUCTION. CLEAN AND PREPARE FLOOR AREA SCHEDULED TO RECEIVE NEW FLOORING SO THE AREAS ARE ABLE TO ACCEPT NEW FLOORING, AND MAINTAIN REQUIRED FLOOR ASSEMBLY RATING, TO BE FLUSH AND CONTINUOUS WITH ADJACENT FLOOR SURFACE, AS REQUIRED FOR NEW FINISH.
- UNO, ALL PARTITIONS, EXTERIOR WALLS AND COLUMNS TO RECEIVE PAINT PT-1 AND BASE RE-1.
- UNO, ALL G.W.B. CEILING TO BE PAINTED PT-2. REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL CEILING FINISHES.
- UNO, ALL HOLLOW METAL FRAMES TO RECEIVE PAINT PT-3. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- UNO, ALL METAL DOORS TO RECEIVE PAINT PT-3. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- UNO, ALL PAINTED SURFACES TO RECEIVE A MINIMUM OF ONE (1) PRIMER COAT AND THEN TWO (2) FINISH PAINT COATS. TINT PRIMER COAT PER MANUFACTURER'S SPECIFICATIONS.
- UNO, ALL PARTITIONS RECEIVING PAINT (PT-2), (PT-3), OR (PT-3) TO RECEIVE A LEVEL FIVE (5) FINISH PRIOR TO PRIME AND FINISH COATS TO BE GLOSS PAINT FLASHING. ADDITIONAL FINISH COATS WILL BE REQUIRED.
- UNO, ALL GLASS IN DOORS AND SIDELITES TO BE CLASS GL-2.
- UNO, ALL WOOD DOORS AND TRIM TO RECEIVE STAIN ST-1. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- ANY WALL COVERING WITH RECOR BACKING TO BE ADHERED WITH HEAVY-DUTY CLAY ADHESIVE.
- CLEAN AND PREPARE FLOOR AREA TO ACCEPT NEW FLOORING. MAINTAINING REQUIRED FLOOR ASSEMBLY RATING, TO BE FLUSH AND CONTINUOUS WITH ADJACENT FLOOR SURFACE, AS REQUIRED FOR NEW FINISH.
- UNO, ALL FLOORING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION. VERIFY WITH ALL MANUFACTURERS AND SUPPLIERS.
- UNO, ALL FLOORING TRANSITIONS TO BEGIN AT CENTERLINE UNDER DOOR. REFER TO TRANSITION DETAILS FOR ALL FLOORING CHANGES.
- UNO, ALL RESILIENT BASE TO BE RESILIENT BASE RE-1, 4" STRAIGHT AT CARPET AND 4" COME AT HARD SURFACE FLOORING.
- UNO, ALL RESILIENT AND TILE FLOORING TO EXTEND UNDER MILLWORK.
- ALL COUNTERTOP EDGE PROFILES TO BE AN EASED EDGE.
- REFER TO INTERIOR ELEVATIONS AND MILLWORK SECTIONS FOR FINISH INFORMATION.
- UNO, ALL WALL COVERING SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. AFTER HANGING 3 LENGTHS OF THE WALL COVERING MATERIAL, CHECK FOR ANY DEFECTS. IF THERE IS A PROBLEM CONTACT YOUR SUPPLIER IMMEDIATELY, IF THE PROBLEM CANNOT BE RESOLVED IN A TIMELY MANNER, CONTACT THE ARCHITECT.
- UNO, ALL CABINETS HARDWARE FULL SH-1.
- UNO, ALL MILLWORK BACK SPLASHES TO BE 4" TALL.
- UNO, ALL EXPOSED ENDS AND OPEN MILLWORK TO MATCH FINISH OF EXTERIOR MILLWORK.
- UNO, ALL MILLWORK INTERIORS TO BE WHITE MELAMINE.
- PAINT ALL PLYWOOD TO MATCH NEW WALL FINISH TO WHICH IT IS ATTACHED.
- WOOD MEMBERS TO BE APPLIED FLUSH AND SMOOTH TO SUBSTRATE WITH NO RIPPING TOLERATED.
- NO GULLE UP WOOD BASE TOLERATED.
- ALL WOOD SHALL BE OF THE SAME SPECIES AND SAME CUT OF WOOD.
- ALL WOOD (VENEER, HARDWOOD) SHALL BE ORDERED AT THE SAME TIME FROM THE SAME LOT WITH A SAMPLE FROM THE LOT SUBMITTED TO THE ARCHITECT FOR APPROVAL. NOTIFY ARCHITECT IMMEDIATELY OF NEED TO HAVE TWO LOTS OF WOOD, IN WHICH CASE A SAMPLE FROM EACH LOT MUST BE SUBMITTED FOR APPROVAL.
- MILLWORK CONSTRUCTION TO COMPLY WITH LATEST EDITION OF A.W.I. STANDARDS.

UNO, ALL PAINTED SURFACES TO RECEIVE THE FOLLOWING FINISHES:

- GWB VERTICAL WALL SURFACES - EGGSHELL (SATIN)
- GWB CEILING, SOFFITS, BLIND HEADS - FLAT
- HOLLOW METAL SURFACES - SEM-GLOSS
- PAINTED WOOD SURFACES - SEM-GLOSS
- CONCRETE MASONRY UNIT - EGGSHELL

GENERAL NOTES: ARCHITECTURAL

- THE CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THEREON AND SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT, AND SHALL NOTIFY THE OWNER OF ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL THOROUGHLY REVIEW THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION AND AS AMENDMENTS MAY BE MADE AS CONSTRUCTION PROCEEDS, AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES, CONFLICTS, INCONSISTENCIES, ERRORS OR OMISSIONS THAT MAY BE DISCOVERED. IN SUCH CASES THE CONTRACTOR IS TO OBTAIN CLARIFICATION OR VERIFICATION OF INTENT PRIOR TO PROCEEDING WITH THE WORK.
- THE WORK IS TO BE PERFORMED IN CONFORMANCE WITH APPLICABLE WRITTEN CODES, ORDINANCES, LAWS, RULES, REGULATIONS AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. IF THE CONTRACTOR PERFORMS OR PROCEEDS IN A MANNER CONTRARY TO ANY SUCH REQUIREMENTS THE CONTRACTOR ASSUMES FULL RESPONSIBILITY THEREFOR AND SHALL BEAR COSTS RESULTING FROM NON-COMPLIANCE OR VIOLATION, INCLUDING COSTS ASSOCIATED WITH REPAIRING, REPLACING OR OTHERWISE BRINGING THE WORK INTO CONFORMANCE. THE CONTRACTOR IS TO BRING TO THE ARCHITECT'S ATTENTION ANY CONDITIONS REPRESENTED IN THE CONTRACT DOCUMENTS THAT ARE NOT IN CONFORMANCE WITH APPLICABLE REQUIREMENTS.
- THE CONTRACTOR IS TO MAINTAIN ON SITE A COPY OF THE APPLICABLE EDITION OF THE U.L.I. RESISTANCE DIRECTORY AND OTHER RESISTIVE STANDARDS REFERENCED IN THE CONTRACT DOCUMENTS FOR USE BY INSPECTORS AT TIMES OF INSPECTION.
- CONTRACT DOCUMENTS SHALL NOT BE REPRODUCED AS THE BASIS FOR REQUIRED SUBMITTALS UNLESS PRIOR WRITTEN PERMISSION HAS BEEN OBTAINED FROM THE ARCHITECT. SUBMITTALS CONTAINING CONTRACT DOCUMENTS OR PORTIONS OF CONTRACT DOCUMENTS WILL BE REJECTED AND RETURNED TO THE CONTRACTOR WITHOUT ACTION OR COMMENT, AND ARE NOT TO BE USED FOR PROCUREMENT, FABRICATION OR INSTALLATION OF ANY WORK IN THE PROJECT.
- WHERE WORK OR EQUIPMENT IS INDICATED AS NOT IN CONTRACT (N.I.C.) IN THE DOCUMENTS, SUCH WORK OR EQUIPMENT SHALL BE PROVIDED OUTSIDE THE CONTRACT SCOPE REPRESENTED IN THESE DOCUMENTS. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ITEMS AND COOPERATE TO AFFECT THE IMPLEMENTATION OF SUCH WORK OR INSTALLATION.
- DETAILS NOT SHOWN ARE TO BE SIMILAR IN CHARACTER TO THOSE DRAWN. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED THE CONTRACTOR IS TO OBTAIN CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- PROMOTE BLOCKING IN STUD WALLS BEHIND ITEMS SUPPORTED BY WALLS, OF SIZES, LENGTHS AND HEIGHTS AS REQUIRED. ATTACH BLOCKING TO STUDS WITH TYPE, SIZE, NUMBER AND SPACING OF ANCHORS AS REQUIRED TO PROPERLY SUPPORT LOADS OF ITEMS SUPPORTED. WHERE WOOD BLOCKING IS USED IT IS TO BE FIRE RETARDANT TREATED. WHERE METAL IS USED PROVIDE MIN 1/8 INCH THICK PLATE, WELDED, SCREWED OR BOLTED TO METAL STUD FRAMING. IF PLATES ARE NOT LOCATED COMPLETELY BEHIND ITEMS SUPPORTED, LET PLATES INTO STUDS OR OTHERWISE CONFIGURE SO THAT THERE ARE NO VISIBLE BULGES IN SURFACE OF FINISHED GYP-SUMBOARD DUE TO THICKNESS OF PLATE BETWEEN STUDS AND GYP-SUMBOARD.
- TO PREVENT GALVANIC ACTION BETWEEN DISSIMILAR METALS, WHERE DISSIMILAR METALS COME INTO CONTACT WITH EACH OTHER, WHERE METALS COME INTO CONTACT WITH WOOD, CONCRETE OR MASONRY, WHERE RUNOFF FROM METAL SURFACE FLOWS OVER A DISSIMILAR METAL OR WHERE NON-PASSIVE METAL FASTENERS PENETRATE DISSIMILAR METALS, BREAK THE CONTACT BETWEEN METALS WITH A HEAVY WATERPROOF PAPER OR FELT, A HEAVY COAT OF BITUMINOUS COATING OR AN ELASTOMERIC FILM UNLESS OTHER SEPARATOR IS INDICATED IN THE CONTRACT DOCUMENTS.
- STEEL EXPOSED TO WATER AND/OR EXTERIOR WEATHER CONDITIONS IS TO BE GALVANIZED UNLESS INDICATED OTHERWISE. WHERE CUTTING, FASTENING, ANCHORAGE OR CONNECTION CONDITIONS RESULT IN BREAKS IN THE GALVANIZING COATING, RESTORE COATING OR APPLY ADDITIONAL COMPATIBLE PROTECTIVE COATING TO MAINTAIN INTEGRITY OF PROTECTION.
- SHEET METAL FLASHING SHALL BE OF APPROPRIATE THICKNESS AND SIZES, AND DETAILED, CONFIGURED AND INSTALLED SO AS TO ALLOW FOR ACCEPTABLE THERMAL MOVEMENTS WITHOUT VISIBLE DISTORTIONS, LEAKS OR FAILURES OF THE FLASHING SYSTEMS ABILITY TO PERFORM AS REQUIRED BY THE CONTRACT DOCUMENTS.
- EDGE OF DOOR SHALL BE LOCATED 6" OFF PERPENDICULAR WALL UNLESS OTHERWISE NOTED.
- ALL WOOD BLOCKING TO SECURE CABINETS, MARKER BOARDS, ETC. TO PARTITIONS SHALL BE FIRE RETARDANT WOOD BLOCKING.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS AT THE JOB SITE AND SHALL NOTIFY ARCHITECT OF ANY OMISSIONS, DISCREPANCIES, AND/OR CONFLICTS BEFORE PROCEEDING WITH THE JOB.
- DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN. LARGE SCALE DETAILS GOVERN OVER SMALL SCALE.
- PARTITIONS SHALL BE DIMENSIONED TO FACE OF PARTITION UNLESS NOTED OTHERWISE.
- ALL DISSIMILAR METAL MATERIALS SHALL BE ISOLATED WITH A NON-METALLIC SEPARATOR.
- ALL MATERIALS USED IN FINISHED ASSEMBLIES SHALL BE APPROVED BY U.L. OTHER RECOGNIZED STANDARD FOR USE IN SUCH ASSEMBLIES.
- ALL BUILDING ACCESSIBILITY IS DESIGNED AND SHALL BE IN ACCORDANCE WITH I.B.C., ANS I 171.2003, ADA AND DOJ 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, WHICH EVER STANDARD PROVIDES THE GREATEST DEGREE OF ACCESSIBILITY FOR ANY GIVEN BUILDING ELEMENT.
- EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. THE OPERATION OF THE SECURITY DEVICES SHALL BE COMPLIANT WITH THE CODES.
- SIGNAGE INDICATING ACCESSIBLE ENTRANCES, RESTROOMS, SIGNS PLAINLY VISIBLE STATING "ELECTRICAL ROOM" AND ANY OTHER INTERIOR SIGNAGE REQUIRED BY CODE SHALL BE PROMOTED BY OWNER AND INSTALLED BY CONTRACTOR.
- ALL EXITS SERVING A REQUIRED ACCESSIBLE SPACE, BUT NOT PROVIDING AN ACCESSIBLE MEANS OF EGRESS, SHALL PROMOTE SIGNS INDICATING THE LOCATION OF ACCESSIBLE MEANS OF EGRESS. SIGNS WILL BE BY OWNER AND INSTALLED BY CONTRACTOR.
- SEE SHEET A-902 FOR PARTITION TYPES.
- FOR ALL DOORS INTO ELECTRICAL CONTROL PANELS, HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. LEVER OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND L-SHAPED HANDLES ARE ACCEPTABLE DESIGNS. WHEN SLIDING DOORS ARE FULLY OPEN, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISH FLOOR.
- IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH IN MEASURED TO THE LEADING EDGE OF THE DOOR.
- THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS: (1) FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. (2) OTHER DOORS, (A) INTERIOR HINGED DOORS 5 LB (2.2 N), (B) SLIDING OR FOLDING DOORS 5 LB (2.2 N). THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH DOORS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.
- TACTILE SIGNAGE SHALL BE LOCATED ON THE WALL ADJACENT TO THE DOOR SIDE AND AT A HEIGHT OF 60 INCHES ABOVE THE FLOOR. SIGNS MAY BE LATCH PLACED ON THE NEAREST ADJACENT WALL WHEN THERE IS NO WALL SPACE ON THE LATCH SIDE.
- EACH GLAZING UNIT SHALL BEAR THE MANUFACTURER'S LABEL DESIGNATING THE TYPE AND THICKNESS OF GLASS. GLAZING LOCATED WITHIN 24" OF A DOOR AND LESS THAN 60" ABOVE WALKING SURFACE SHALL BE SAFETY GLAZED.
- ACCESSIBLE TOILET FACILITIES SHALL BE IDENTIFIED WITH A SIGN, PROMOTED BY OWNER AND INSTALLED BY CONTRACTOR.
- ALL BUILDING ENTRANCES/ EXITS ARE ACCESSIBLE.
- ACCESSIBLE DOORS SHALL HAVE A LANDING ON BOTH SIDES. LANDINGS SHALL BE NO MORE THAN 1/2 INCH BELOW THE TOP OF THE DOOR THRESHOLD.
- DOORS SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE ON THE LOWER 10 INCHES.
- FOR CORNER GUARD LOCATIONS & INFORMATION REFERENCE THE FINISH LEGEND AND FINISH PLAN.
- REFER TO AIA STANDARDS FOR MILLWORK CONSTRUCTION.
- INSTALL MOISTURE RESISTANT GYP BOARD AT ALL WALLS, INCLUDING BUT NOT LIMITED TO LAVATORY LOCATIONS.
- CONTRACT DOCUMENTS SHALL NOT BE REPRODUCED AS THE BASIS FOR REQUIRED SUBMITTALS UNLESS PRIOR WRITTEN PERMISSION HAS BEEN OBTAINED FROM THE ARCHITECT. SUBMITTALS CONTAINING CONTRACT DOCUMENTS OR PORTIONS OF CONTRACT DOCUMENTS WILL BE REJECTED AND RETURNED TO THE CONTRACTOR WITHOUT ACTION OR COMMENT, AND ARE NOT TO BE USED FOR PROCUREMENT, FABRICATION OR INSTALLATION OF ANY WORK IN THE PROJECT.

CEILING RESTRAINT REQUIREMENTS FOR SEISMIC DESIGN CATEGORY "C":

ALL SUSPENDED CEILING SYSTEMS ARE TO BE INSTALLED PER IBC SECTION 1621 REQUIREMENTS, CISCA GUIDELINES FOR SEISMIC ZONES 0, 1 & 2, AND ASCE SECTION 7 REQUIREMENTS.

BASIC CONNECTIONS, PERIMETER AND LATERAL SPLAY BRACING

- SUSPENDED CEILING'S GREATER THAN 144 SF, SHALL BE BRACED IN ACCORDANCE WITH THE FOLLOWING:
- MINIMUM INTERSECTION STRENGTH LIMITS @ MIN TEE CROSS TEE IS 60 LBS.
 - PROVIDE MIN 12 GAUGE VERTICAL HANGER WIRE AT 4'-0" O.C. MIN.
 - MIN TEE CLASSIFICATION TO BE INTERMEDIATE, OR HEAVY DUTY.
 - 1 IN 6 MAX PLUMB OF VERTICAL HANGER WIRES REQUIRED.
 - PROVIDE MINIMUM 7/8" PERIMETER CLOSURE (MOLDING), IF MOLDING IS LESS THAN 7/8" FROM DECK, NO 12 GA HANGER WIRES AROUND ENTIRE PERIMETER OF CEILING AT EACH TEE AT A MAX OF 8" OFF THE WALL AND 4'-0" EACH DIRECTION NO MORE THAN 1/16" OUT OF PLUMB ATTACH TO WALL OR STRUCTURE ABOVE.
 - PROVIDE MIN 3/8" GRID END TO WALL CLEARANCE.
 - GRID CONNECTION TO PERIMETER ATTACHED ON TWO ADJACENT WALLS IS NOT PERMITTED.
 - THE PERIMETER TEE ENDS TOGETHER.
 - PARTITION ATTACHMENT IS ALLOWED ONLY IF CEILING IS ABLE TO MOVE LATERALLY.

LIGHT FIXTURE ATTACHMENT:

- MECHANICALLY ATTACH ALL LIGHT FIXTURES TO CEILING GRID. ATTACHMENTS MUST SUPPORT 100% OF LIGHT FIXTURE WEIGHT.
- SURFACE MOUNTED FIXTURES DO NOT REQUIRE ATTACHMENT TO GRID.
- SUPPORT PENDANT HUNG FIXTURES DIRECTLY FROM STRUCTURE WITH 5 GAUGE WIRE OR APPROVED ALTERNATE.
- FOR RIGID LAY-IN OR CAN LIGHT FIXTURES WEIGHING LESS THAN 10 LBS FROM DE (1) WIRE TO STRUCTURE (MAY BE SLACK), FOR RIGID LAY-IN OR CAN LIGHT FIXTURES WEIGHING FROM 10 TO 56 POUNDS FROM DE (2) VERTICAL SUPPORT WIRES (MUST BE SLACK), FOR LIGHT FIXTURES GREATER THAN 56 POUNDS FROM DE (2) DIRECT AND INDEPENDENT SUPPORT FROM THE BUILDING STRUCTURE.

SERVICE APPLICATIONS:

- ALL MECHANICAL AIR TERMINALS MUST BE POSITIVELY ATTACHED TO THE CEILING GRID. FOR TERMINALS WEIGHING FROM 2 TO 56 POUNDS PROVIDE (2) VERTICAL SUPPORT WIRES (MAY BE SLACK) FOR TERMINALS WEIGHING GREATER THAN 56 POUNDS FROM DE (2) DIRECT AND INDEPENDENT SUPPORT FROM THE BUILDING STRUCTURE.
- SPRINKLER HEADS AND OTHER PENETRATIONS REQUIRE A MIN 3/8" CLEARANCE ON ALL SIDES.
- CABLE TRAYS AND ELECTRICAL CONDUIT DO NOT REQUIRE INDEPENDENT SUPPORT OR BRACING.



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT OF RECORD
JEMA
 3750 DESIGN ASSOCIATES ARCHITECTS
 3750 DESIGN ASSOCIATES ARCHITECTS
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 EMAIL: SCCLARK@JEMASTL.COM

DESIGN ARCHITECT
 SAFF DESIGN ASSOCIATES ARCHITECTS
 3750 DESIGN ASSOCIATES ARCHITECTS
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

Civil
 COO-FAN
 530AE INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE WANLEER
 T (636) 594-0540
 F (636) 594-0512
 EMAIL: DWANLEER@COO-FAN.COM

STRUCTURAL
 ALPERALD, INC.
 1804 BOWMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH

PROJECT NUMBER: 16-1161.03

SHEET TITLE:
LIFE SAFETY PLAN

A-002

CODE INFORMATION

AUTHORITIES HAVING JURISDICTION:	CITY OF WRIGHT CITY, MO (WARREN COUNTY) WRIGHT CITY FIRE PROTECTION DISTRICT
BUILDING CODE:	INTERNATIONAL BUILDING CODE (IBC) 2009 EDITION
ACCESSIBILITY:	AMERICANS WITH DISABILITIES ACT ICC/ANSI A117.1, REFERENCED BY BUILDING CODE
FIRE PREVENTION:	INTERNATIONAL FIRE CODE (IFC) 2009 EDITION
MECHANICAL:	INTERNATIONAL MECHANICAL CODE (IMC) 2009 EDITION
ELECTRICAL:	NATIONAL ELECTRICAL CODE, 2008 EDITION, WITH CITY ADDITIONS
PLUMBING:	INTERNATIONAL PLUMBING CODE (IPC) 2009 EDITION
PROPERTY MAINTENANCE:	INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC) 2009 EDITION

BUILDING INFORMATION

USE GROUPS:	A-3 ASSEMBLY, LIBRARY S-1 MODERATE HAZARD STORAGE (ACCESSORY USE, SEE LIFE SAFETY PLAN, SHEET A-002)
--------------------	---

CONSTRUCTION TYPE:
TYPE IIB NON-SPRINKLERED, NOT PROTECTED

SEISMIC CATEGORY:
C REFER TO CISCA GUIDELINES FOR REQUIREMENTS

AREA:	ACTUAL GSF	DESIGN OCCUPANCY:
FLOOR	7,695 SF	195 OCCUPANTS

ALLOWABLE HEIGHT AND AREA:
USE GROUP A-3 IS MOST RESTRICTIVE USE.
ALLOWABLE HEIGHT AND AREA, IBC TABLE 503 - 2 STORIES AND 9,500 SF.

FIRE RESISTANCE RATINGS - HOURS:
BUILDING ELEMENT TYPE TYPE IIB

STRUCTURAL FRAME, COLUMNS, GIRDERS & TRUSSES	C
BEARING WALLS - EXTERIOR/INTERIOR	C
NON-BEARING WALLS & PARTITIONS - INTERIOR	C
FLOOR CONSTRUCTION INCLUDING BEAMS & JOIST	C
ROOF CONSTRUCTION INCLUDING BEAMS & JOIST	C

EXIT CAPACITY:
THE EXIT CAPACITY FOR EACH FLOOR AREA MUST BE SUFFICIENT FOR THE OCCUPANT LOAD AS CALCULATED. EXIT CAPACITY IS DETERMINED BY DIVIDING THE CLEAR WIDTH OF EACH EXIT COMPONENT BY THE APPROPRIATE FACTOR NOTED BELOW.

DOORS/WALES - 0.20 PER OCCUPANT

IBC OCCUPANCY CALCULATIONS:

OCCUPANCY TYPE:	AREA PER OCCUPANT
GENERAL LIBRARY STACK AREA	100 SF
READING ROOM	50 SF
MEETING ROOM(S) (CONCENTRATED CHAIRS ONLY)	7 SF

SECTION 903 AUTOMATIC SPRINKLER SYSTEM

903.2.1.3 GROUP A-3, NONE OF THE (3) CONDITIONS PERTAIN TO THE PROJECT THEREFORE AN AUTOMATIC SPRINKLER SYSTEM IS NOT REQUIRED.

SECTION 903.2.1.3 GROUP A-3 AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED FOR GROUP A-3 OCCUPANCIES WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:

1. THE FIRE AREA EXCEEDS 12,000 SQUARE FEET (1115 M²);
2. THE FIRE AREA HAS AN OCCUPANT LOAD OF 300 OR MORE;
- OR
3. THE FIRE AREA IS LOCATED ON A FLOOR OTHER THAN A LEVEL OF EXIT DISCHARGE SERVING SUCH OCCUPANCIES.

SECTION 1016.1 EXIT ACCESS TRAVEL DISTANCE:

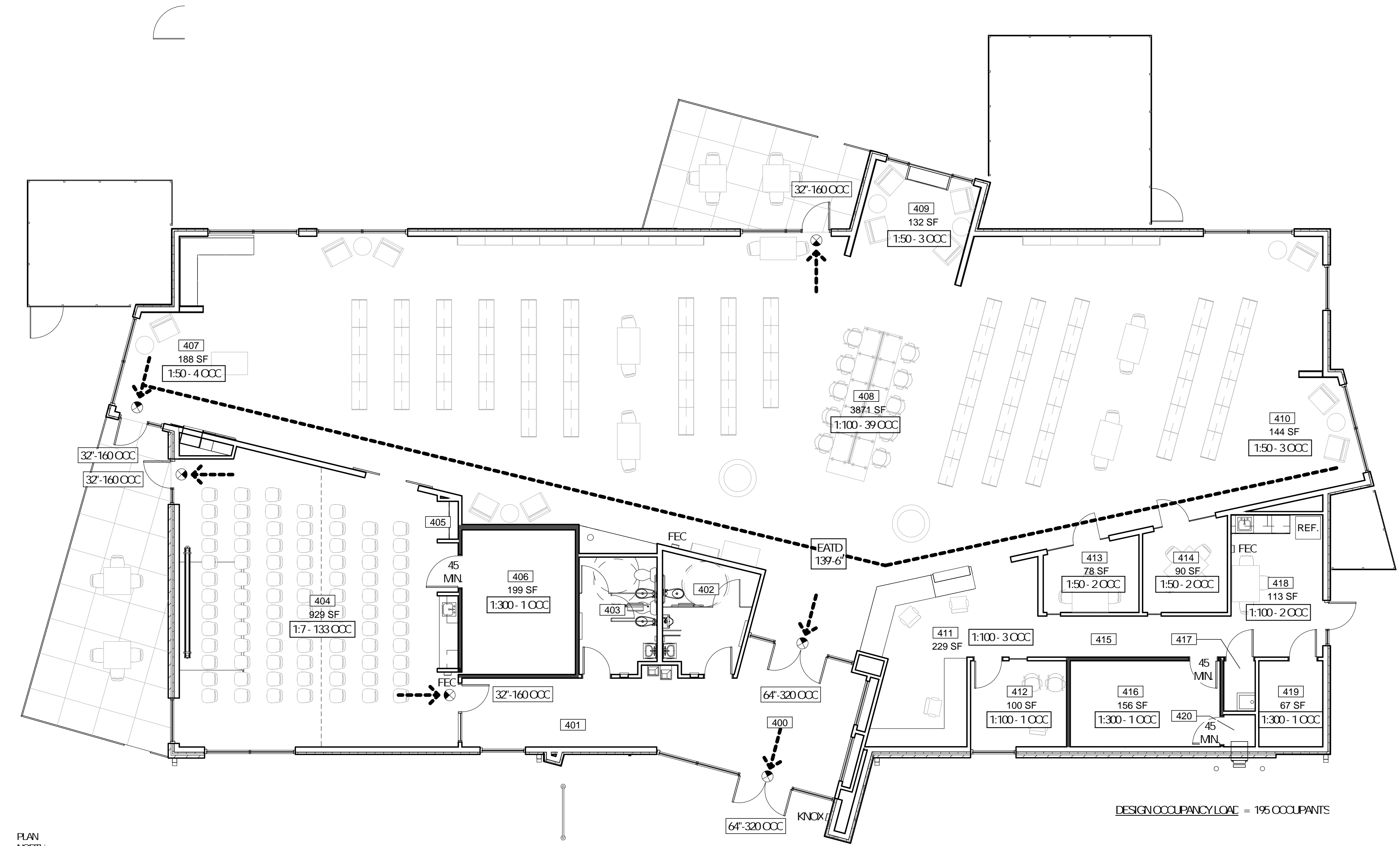
FOR NON-SPRINKLERED ASSEMBLY USE GROUP THE MAXIMUM EXIT ACCESS TRAVEL DISTANCE IS 200.

SYMBOL LEGEND

	1-HOUR RATED WALL/PARTITION
	RECESSED KNOCK BOX CABINET
	SEMI-RECESSED FIRE EXTINGUISHER CABINET
	EGRESS PATH
	XOOO- AREA PER OCCUPANCY LOAD
	XX- CLEAR OPENING IN INCHES AND EGRESS CAPACITY
	EATD X-X' EXIT ACCESS TRAVEL DISTANCE, MAX CONDITION WORST CASE INDICATED
	EXIT SIGN
	DIRECTION/LOCATION OF EGRESS

ROOM SCHEDULE

Number	Name
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH / ELEC
420	BOOK DROP



DESIGN OCCUPANCY LOAD = 195 OCCUPANTS

PLAN NORTH
1 LIFE SAFETY PLAN
A-002 1/8" = 1'-0"

No.	Date	Description
	04/14/17	ISSUED FOR BID

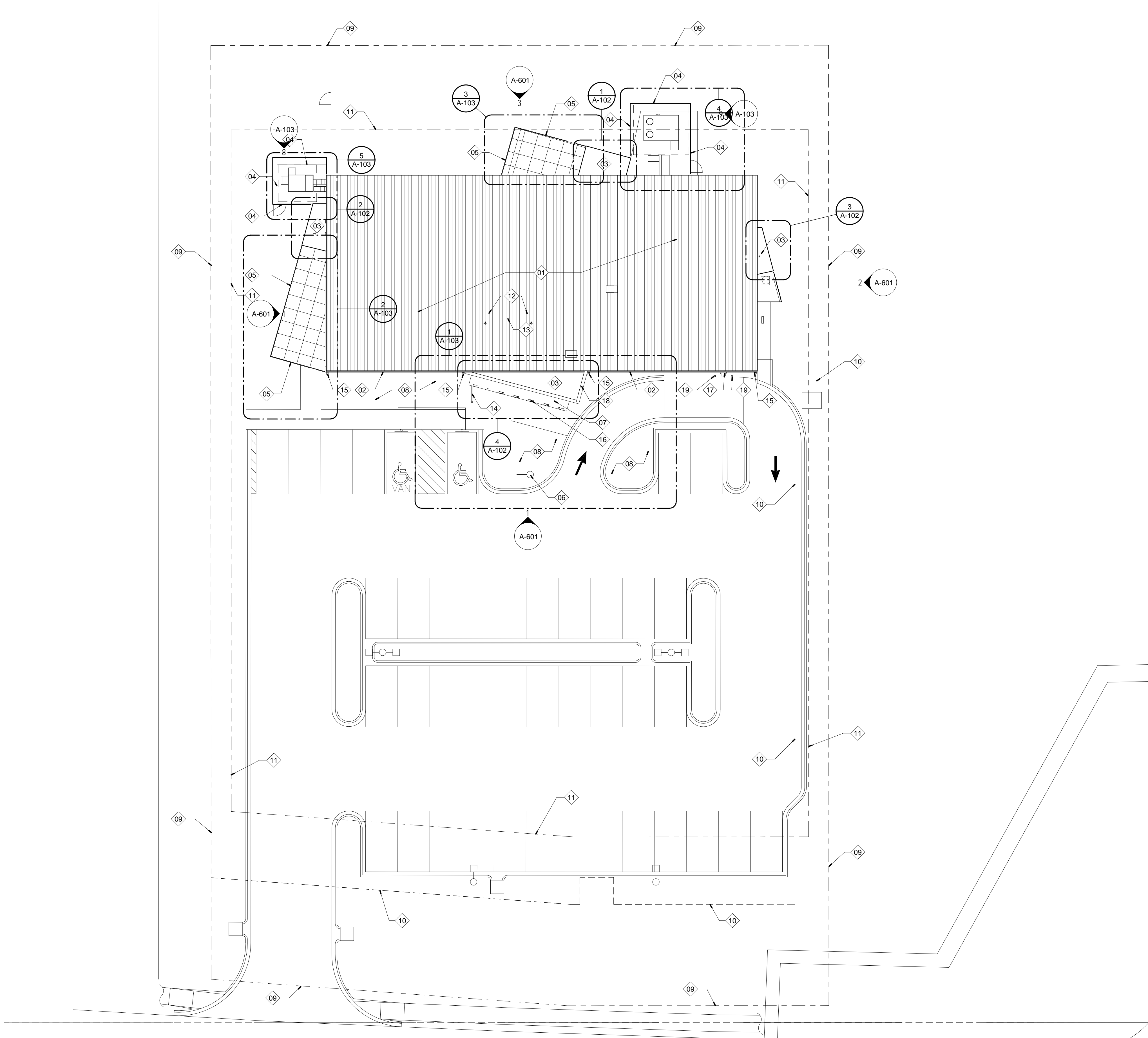
DRAWN BY: SC/SH

PROJECT NUMBER: 16-1161.03

SHEET TITLE:
ARCHITECTURAL SITE PLAN

A-101

KEYED NOTES - SITE PLAN	
Keynote Number	Description
01	STANDING SEAM MTL. ROOF SYSTEM, REFER TO SPECS.
02	PRE-FINISHED GUTTER, REFER TO SPECS.
03	ROOFING MEMBRANE, REFER TO SPECS.
04	MECHANICAL SCREEN FENCING - REFER TO SPECIFICATIONS AND DETAILS
05	PRE-FINISHED ALUM. FENCE - REFER TO SPECIFICATIONS
06	SINGLE FLAGPOLE, REFER TO SPECS.
07	PRE-FINISHED COMPOSITE METAL PANEL CANOPY, REFER TO SPECS.
08	PLANTING AREA, REFER TO LANDSCAPE PLAN.
09	PROPERTY LINE
10	EASEMENT
11	BUILDING SETBACK LINE
12	EXHAUST FAN PIPING PENETRATION, SEE ROOF DETAIL.
13	PLUMBING EXHAUST PIPING PENETRATION, SEE ROOF DETAIL.
14	SURFACE MOUNTED BIKE RACK, REFER TO SPECS.
15	DOWN SPOUT LOCATION - REFER TO CIVIL DWGS. FOR TIE-IN INFORMATION.
16	BUILDING SIGNAGE - REFER TO SPECS. FOR MORE INFORMATION
17	THROUGH WALL BOOK DROP UNIT, REFER TO SPECS.
18	WALL SCUPPER, COLLECTOR HEAD AND DOWN SPOUT, REFER TO ENLARGED ROOF PLAN FOR MORE INFORMATION.
19	TRAFFIC BOLLARD, REFER TO CIVIL DRAWINGS.



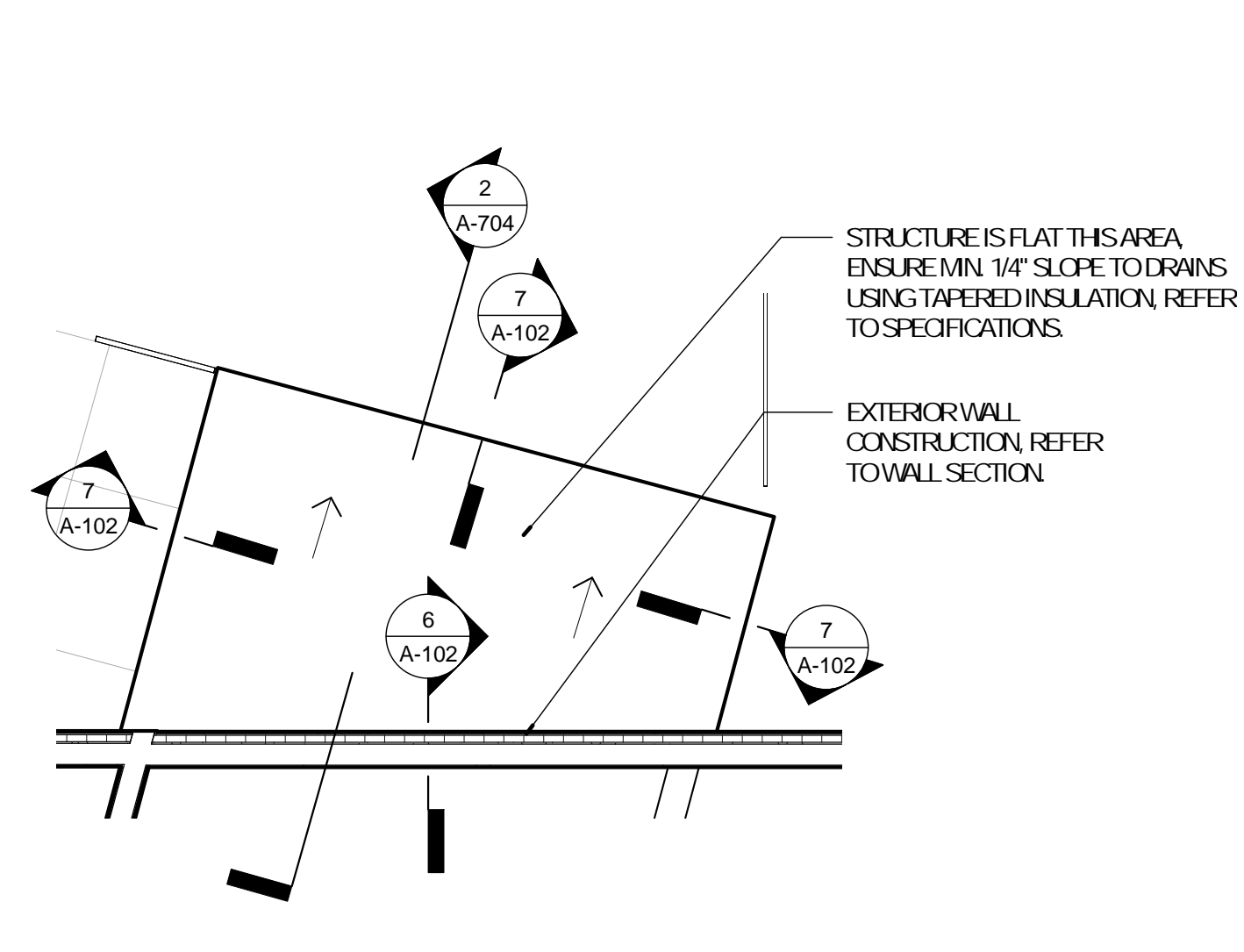
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH

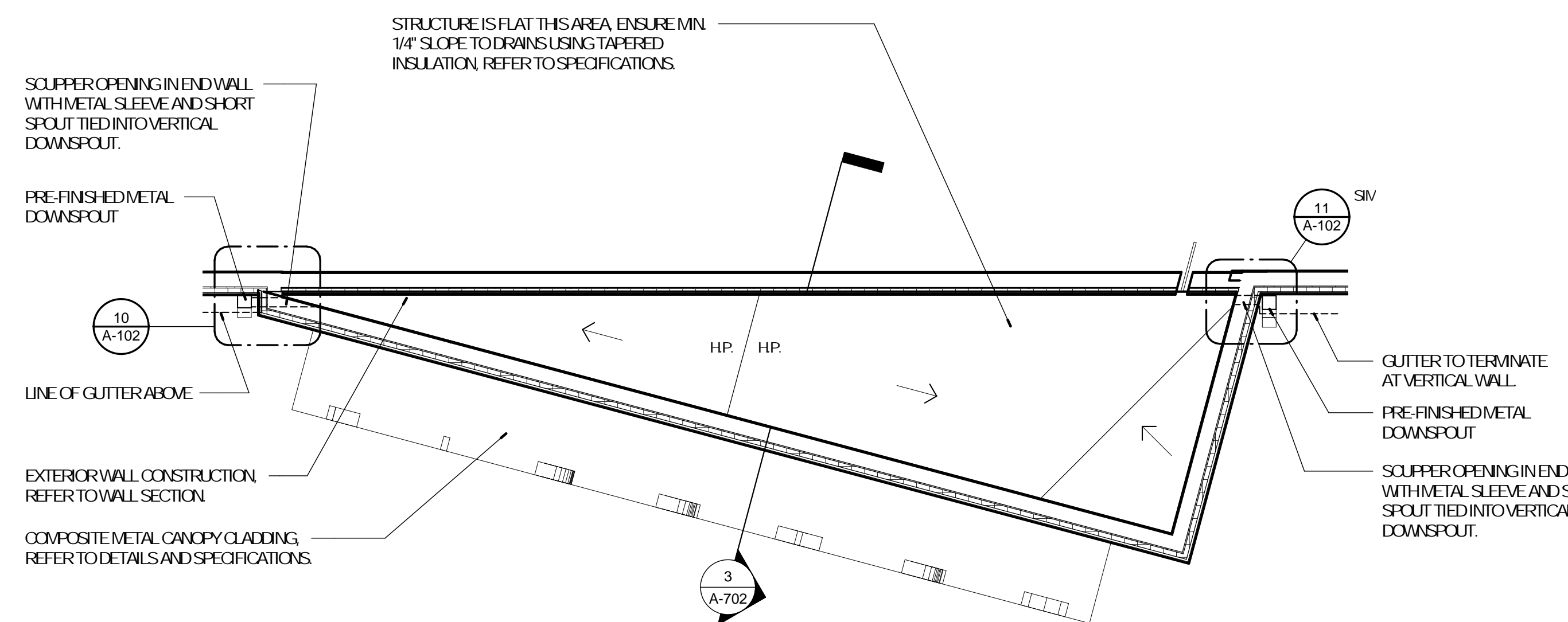
PROJECT NUMBER: 16-1161.03

SHEET TITLE:
ENLARGED ROOF PLANS AND
ROOF DETAILS

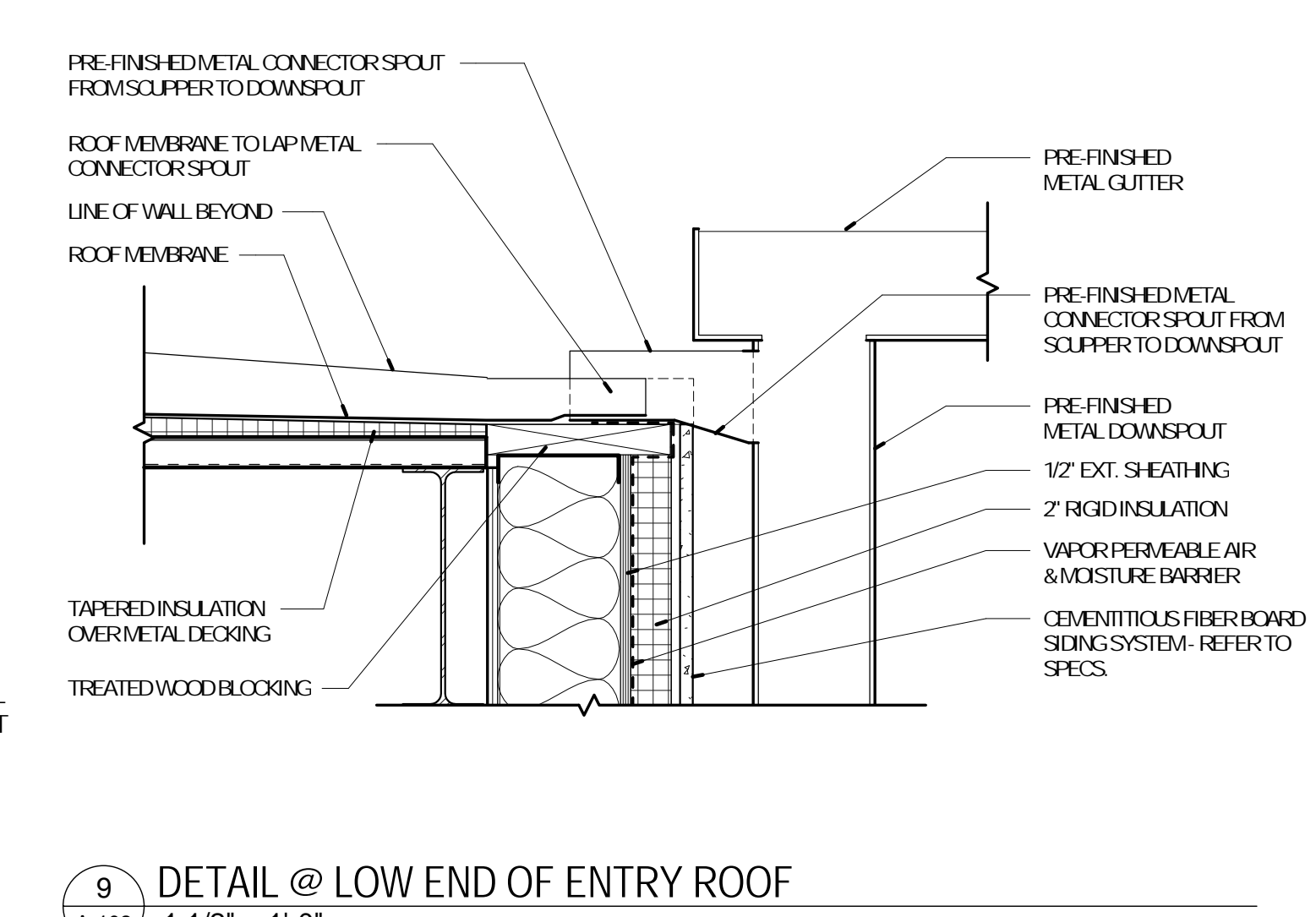
A-102



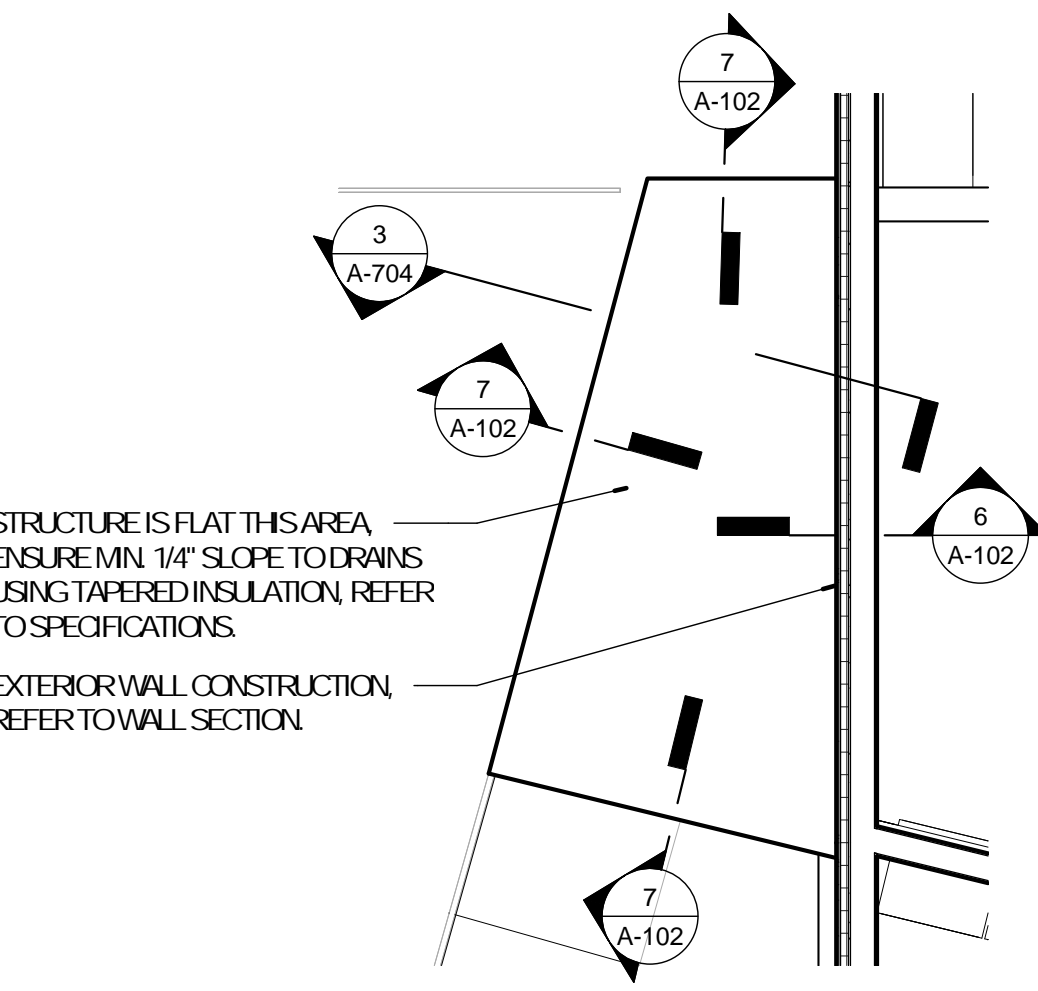
1 EP - ADULTS ROOF
A-102 1/4" = 1'-0"



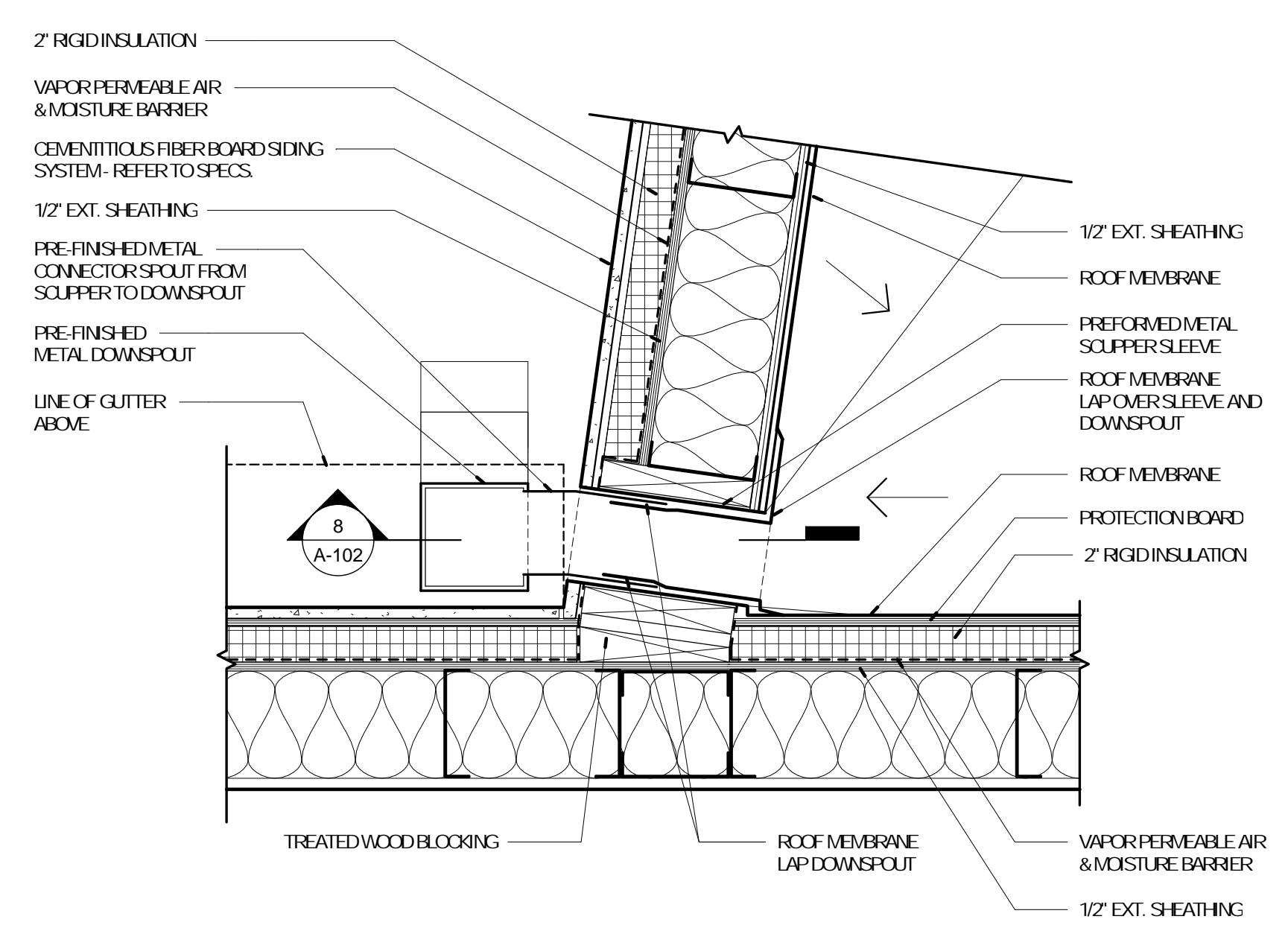
4 EP - ROOF @ ENTRY
A-102 1/4" = 1'-0"



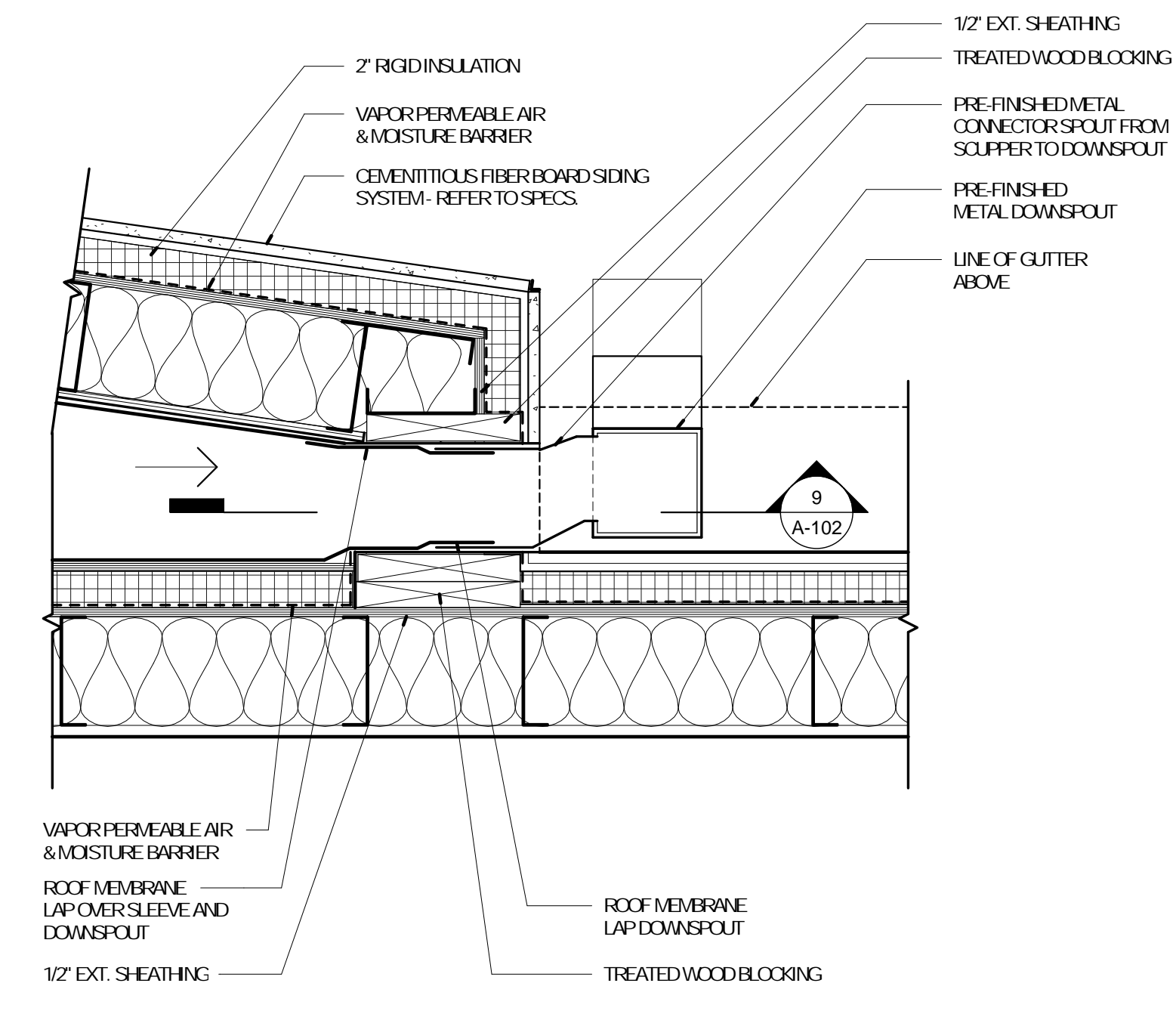
9 DETAIL @ LOW END OF ENTRY ROOF
A-102 1 1/2" = 1'-0"



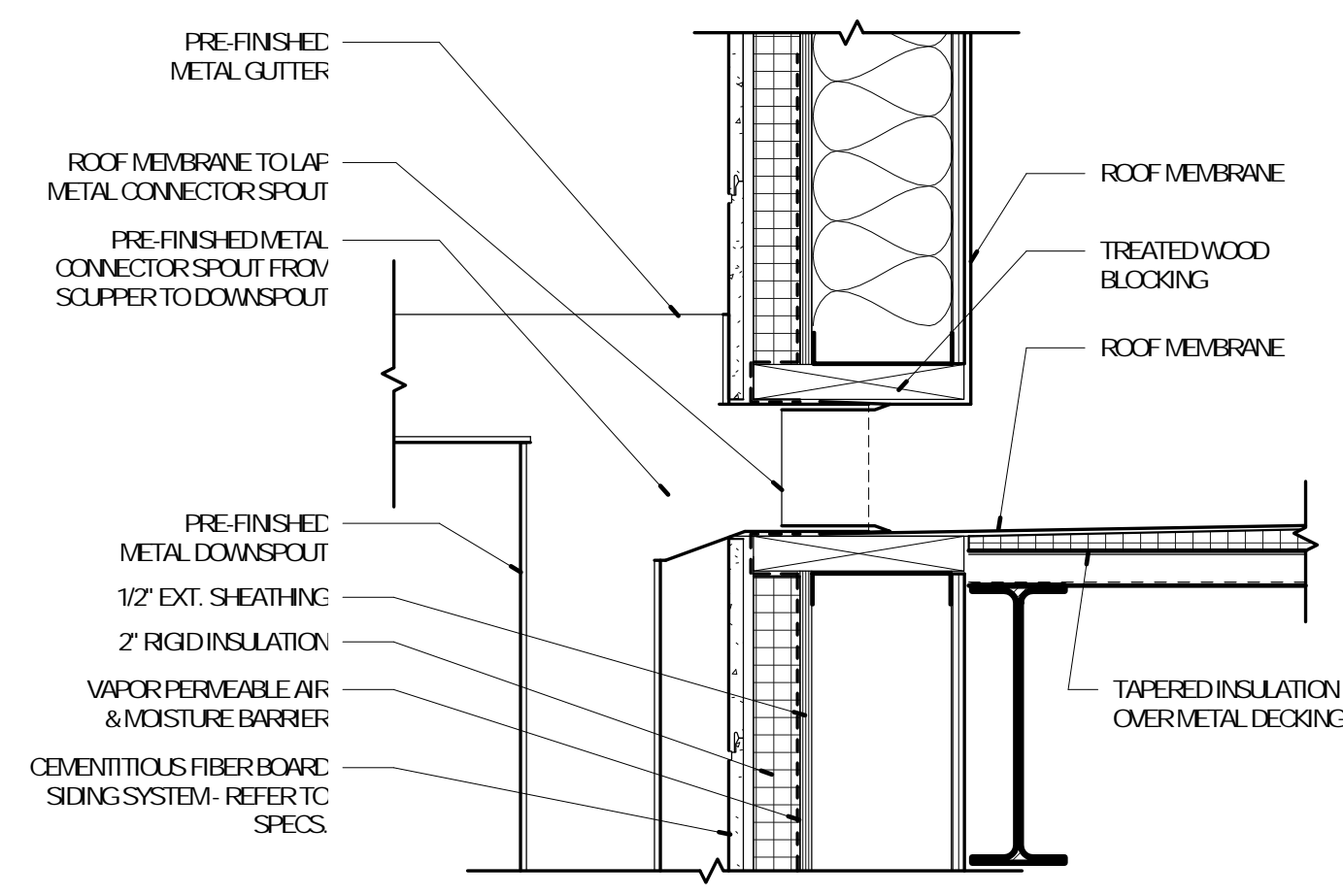
2 EP - CHILDREN ROOF
A-102 1/4" = 1'-0"



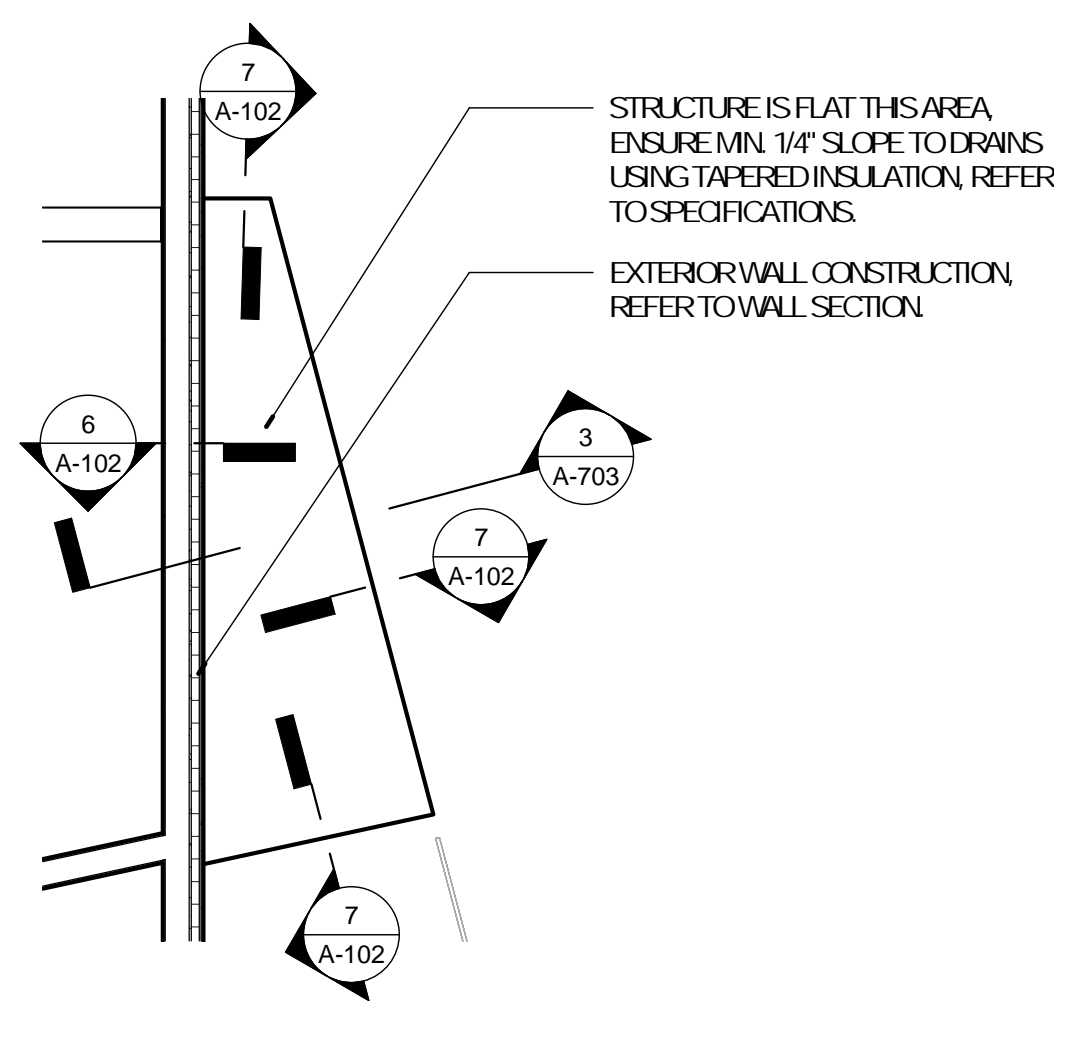
11 DETAIL - HIGH ENTRY END
A-102 1 1/2" = 1'-0"



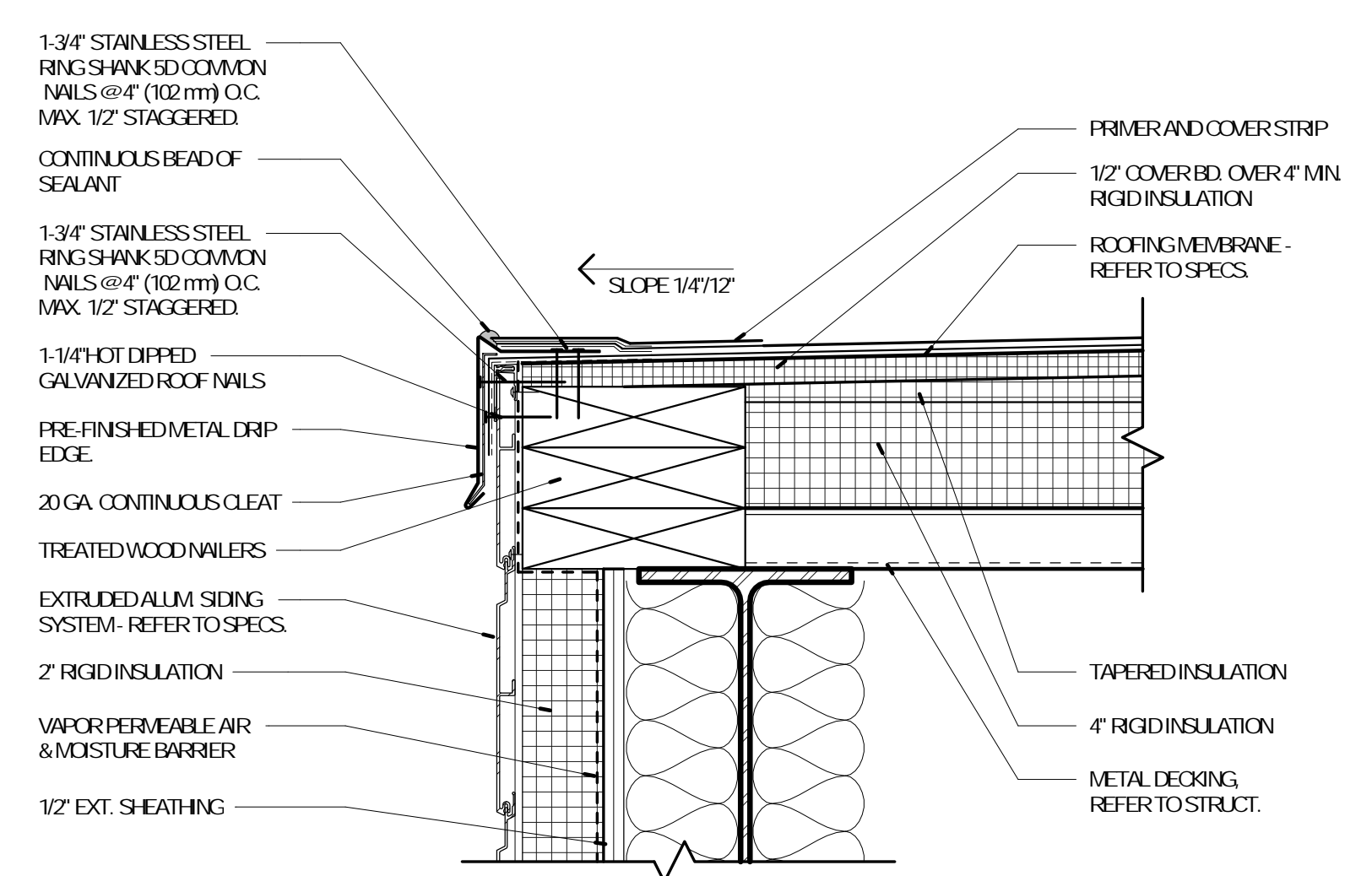
10 DETAIL - LOW ENTRY END
A-102 1 1/2" = 1'-0"



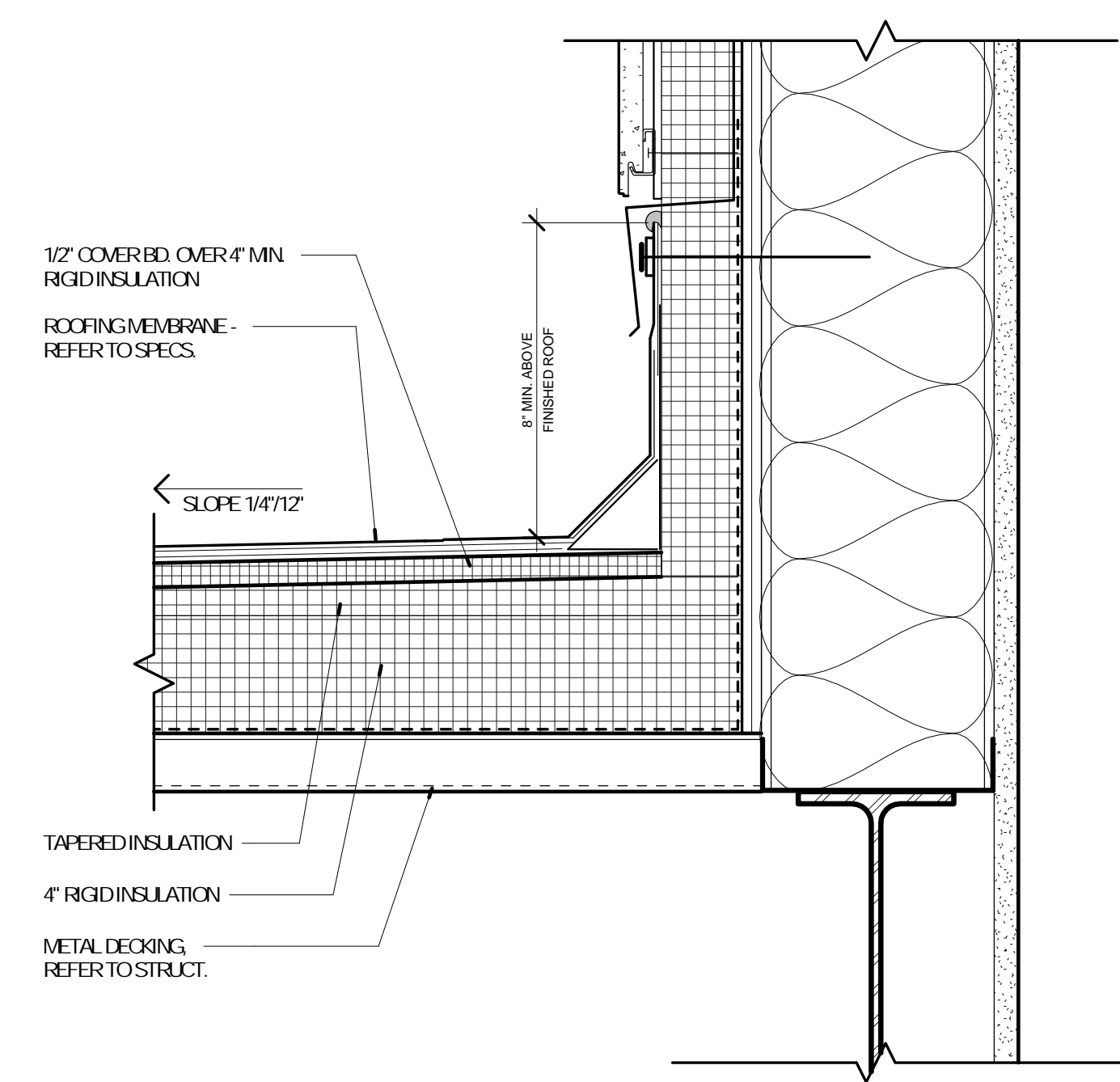
8 DETAIL @ HIGH END OF ENTRY ROOF
A-102 1 1/2" = 1'-0"



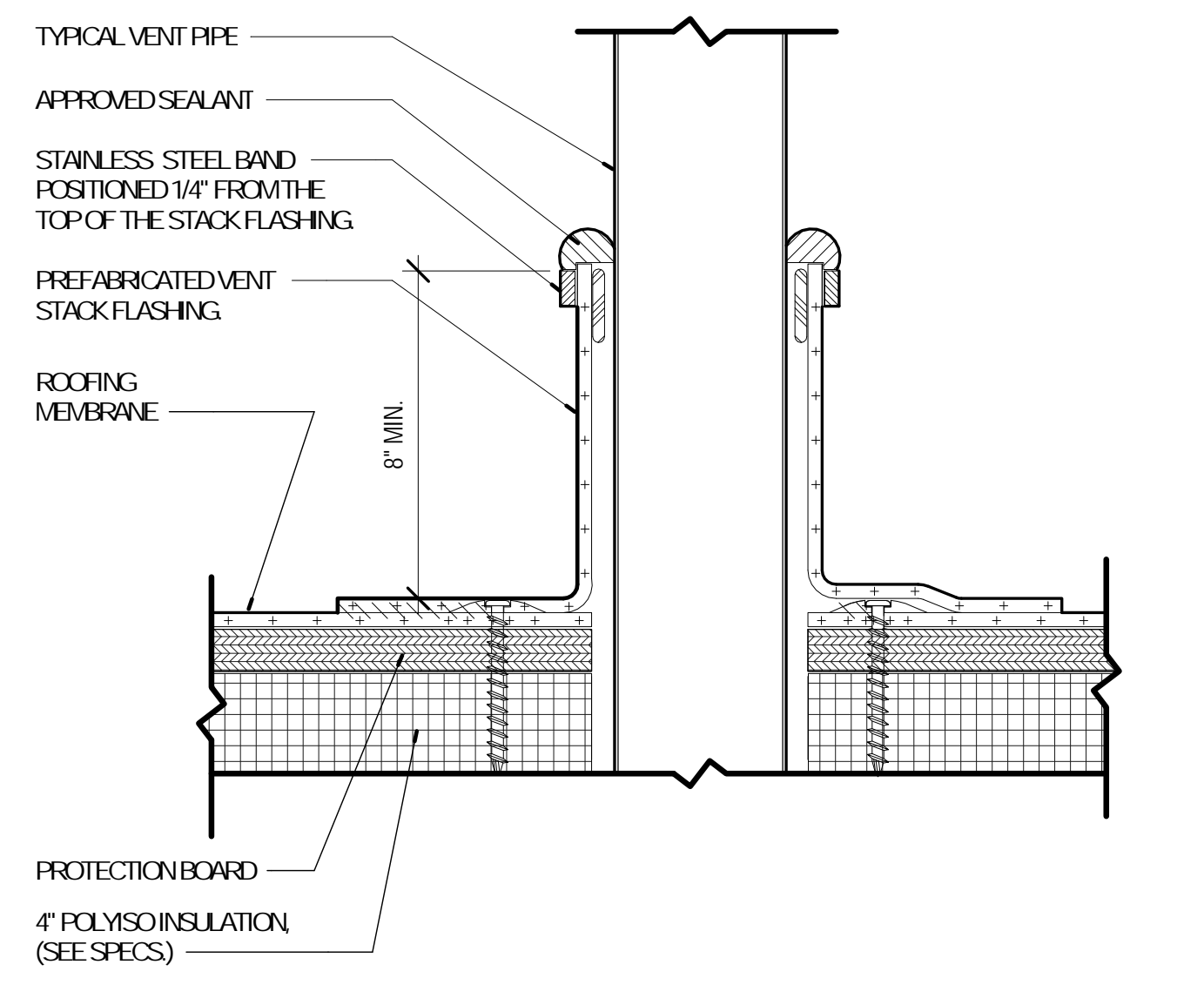
3 EP - TEENS ROOF
A-102 1/4" = 1'-0"



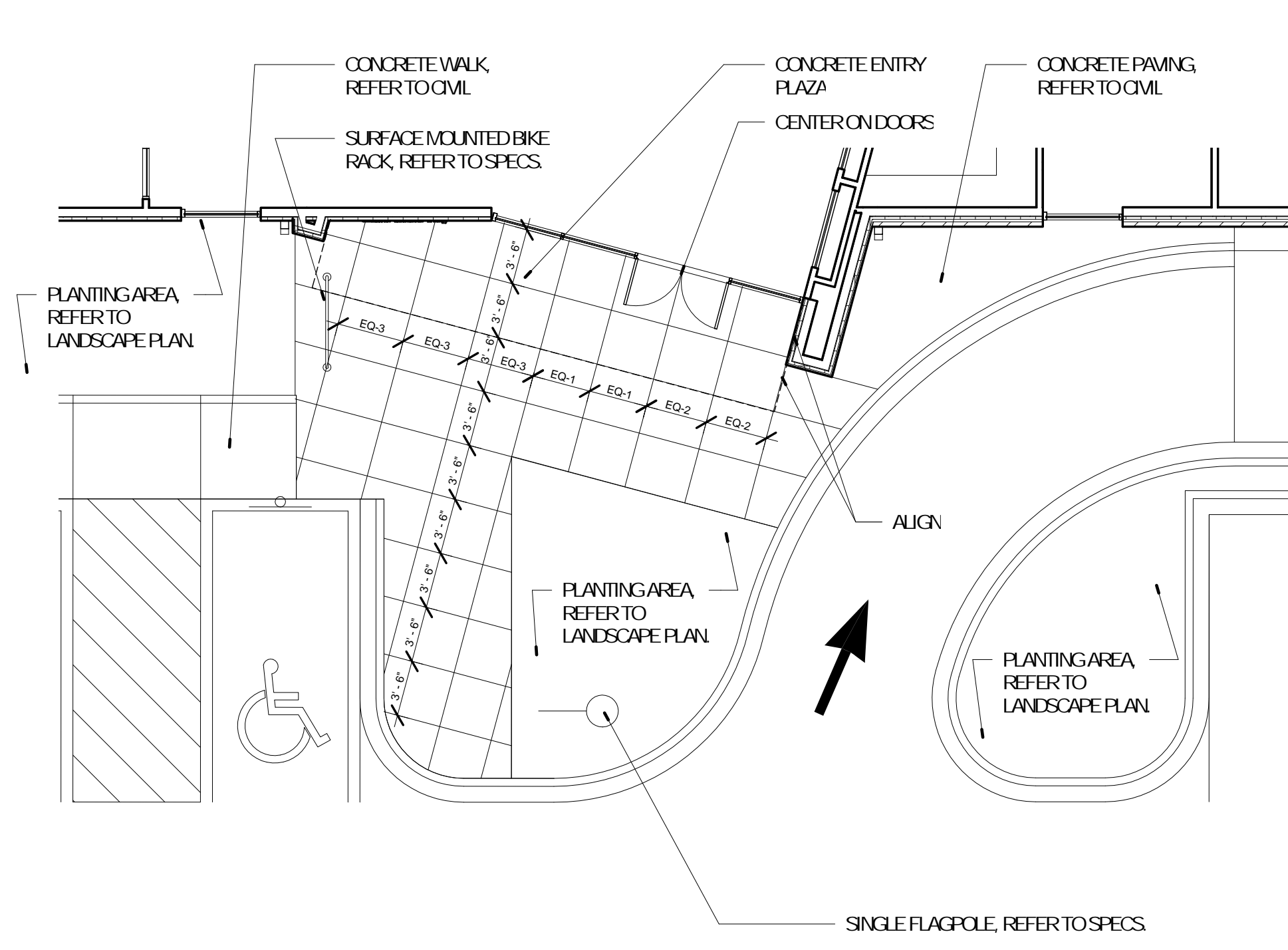
7 DETAIL - ROOF DRIP EDGE
A-102 3" = 1'-0"



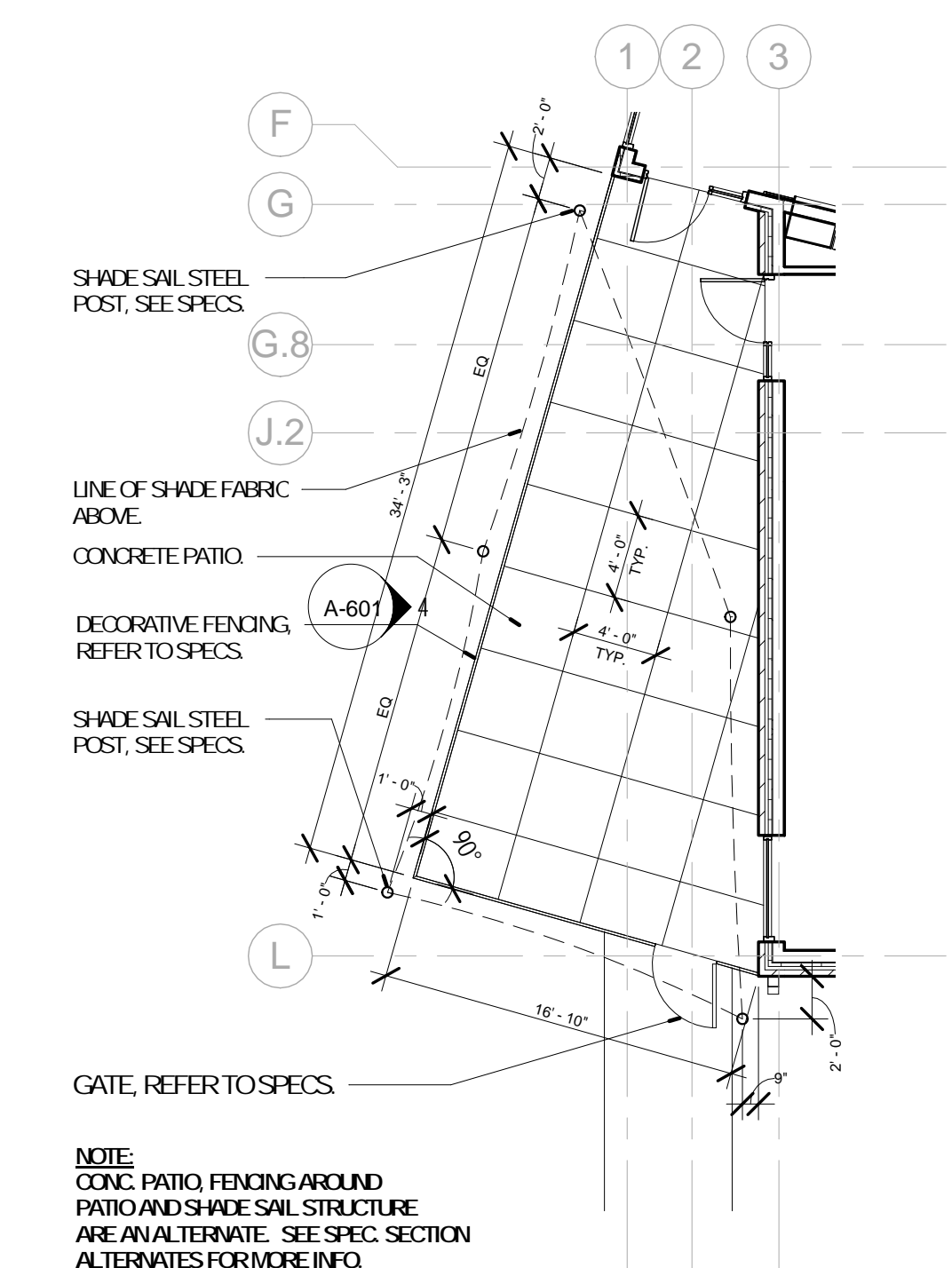
6 DETAIL - ROOF TO VERT. WALL
A-102 3" = 1'-0"



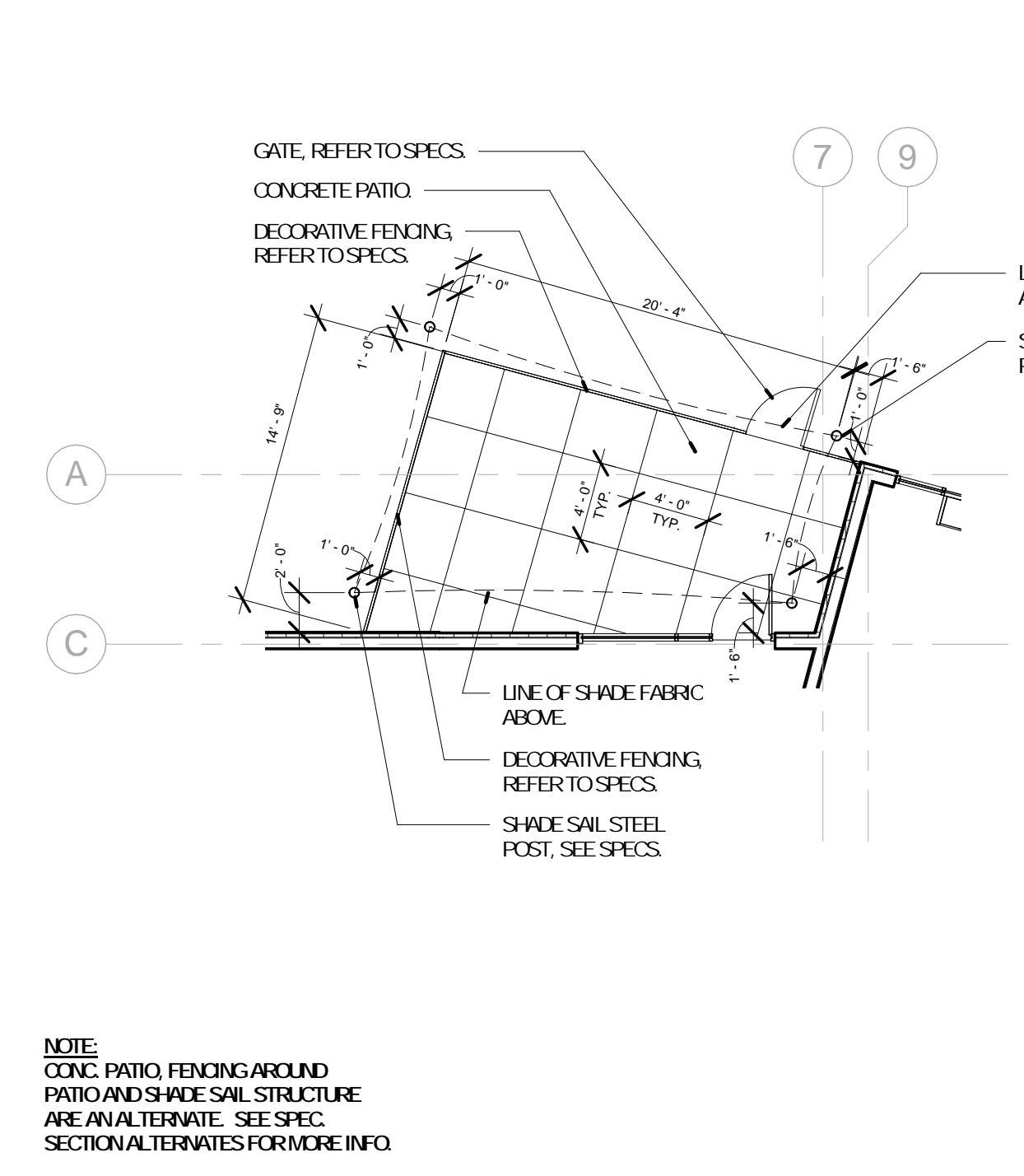
5 DETAIL - ROUND PENETRATION
A-102 1" = 1'-0"



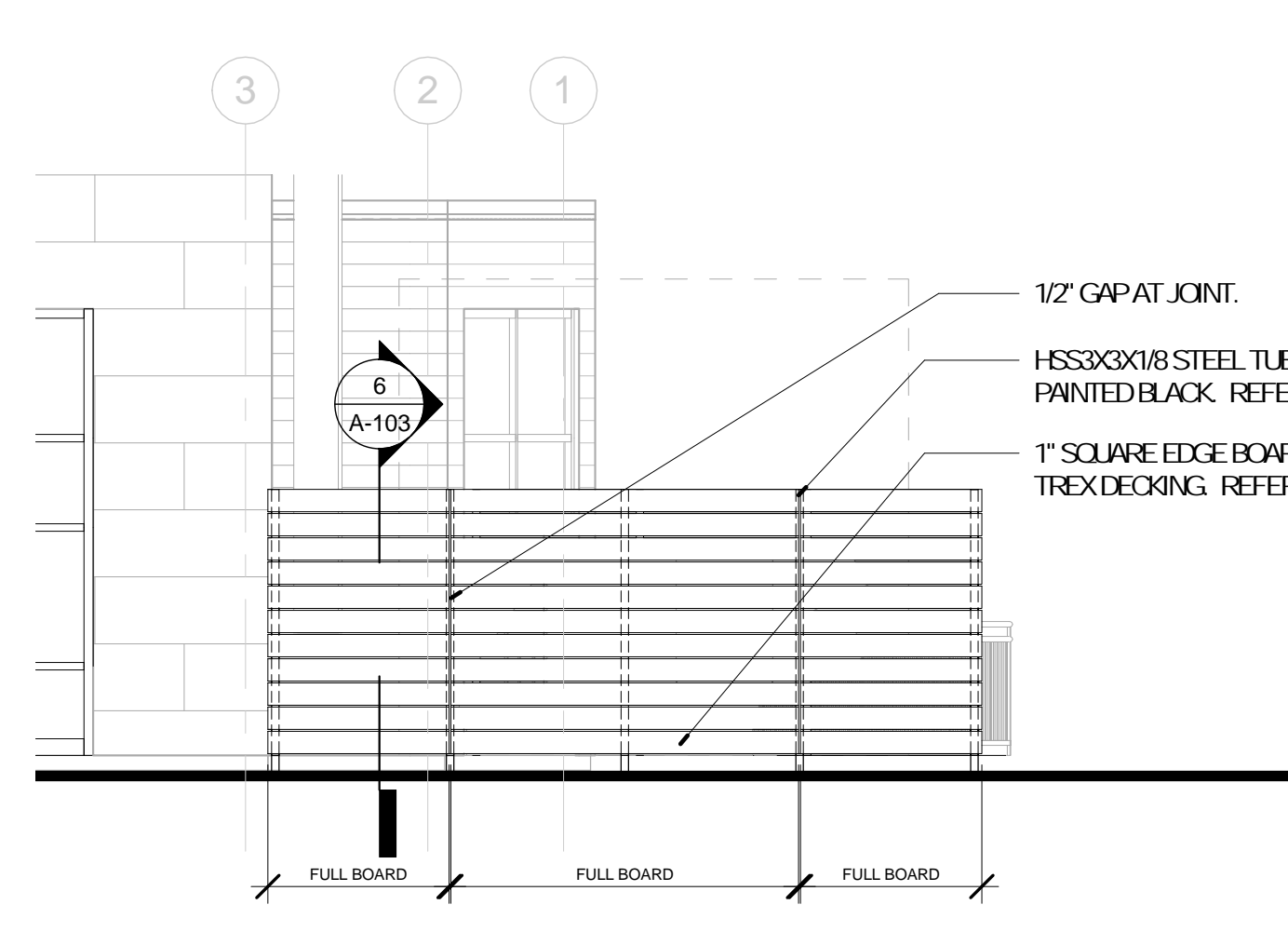
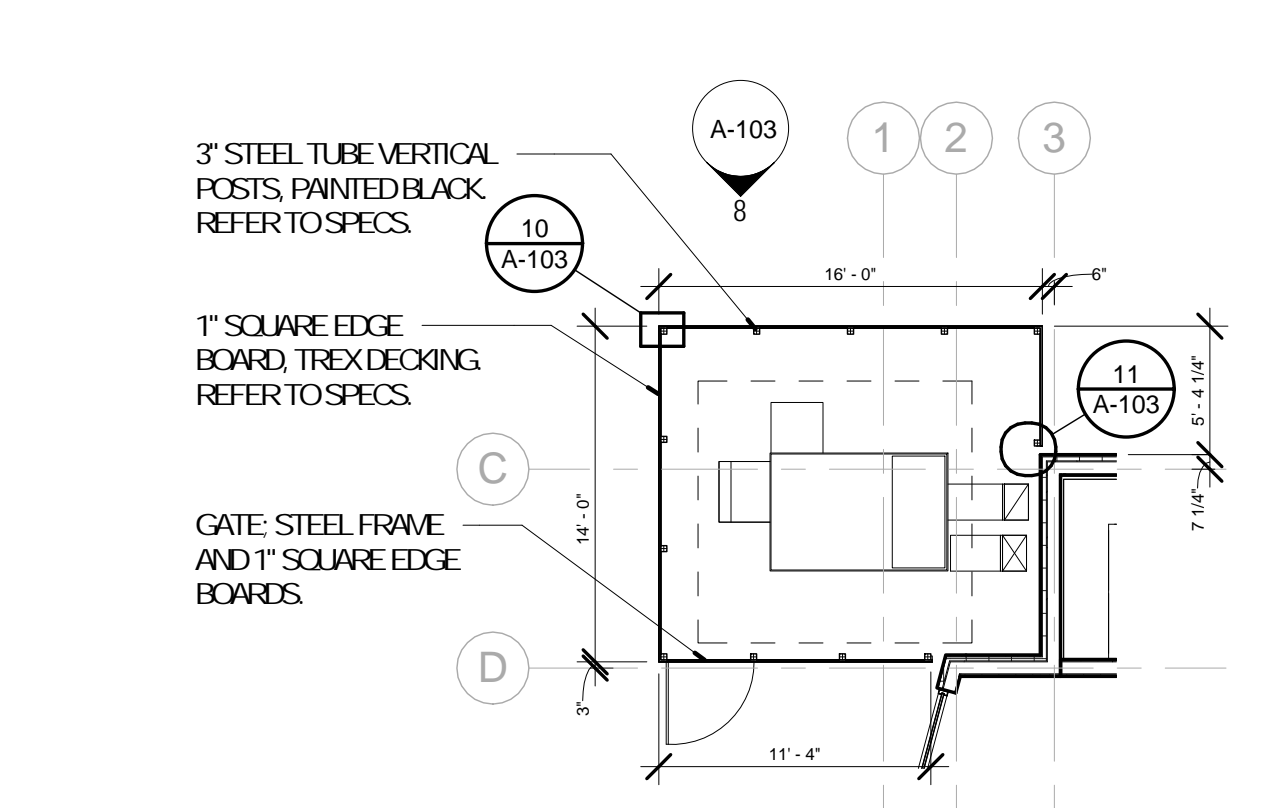
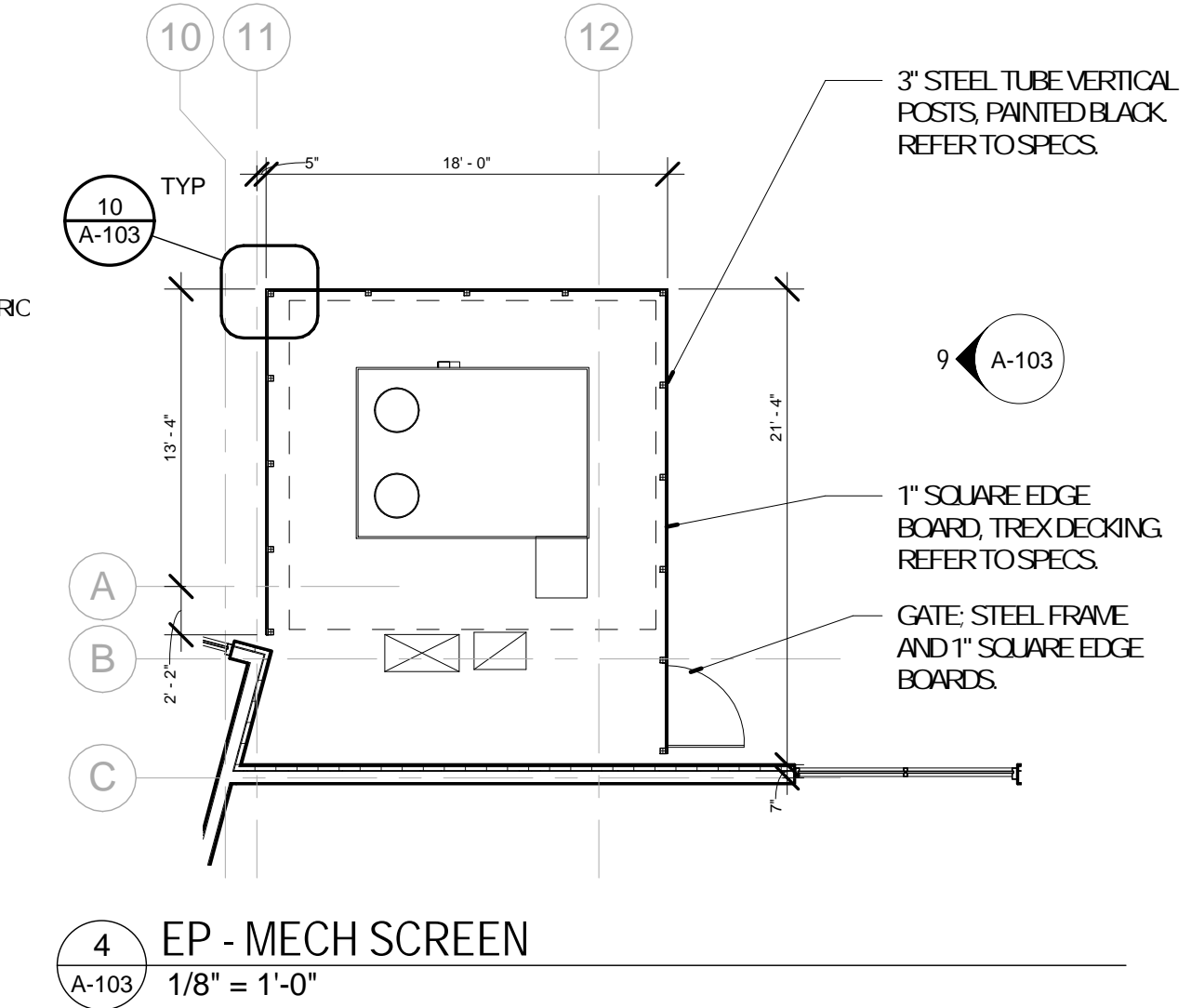
1 EP - SITE ENTRY PLAZA
A-103 1/8" = 1'-0"



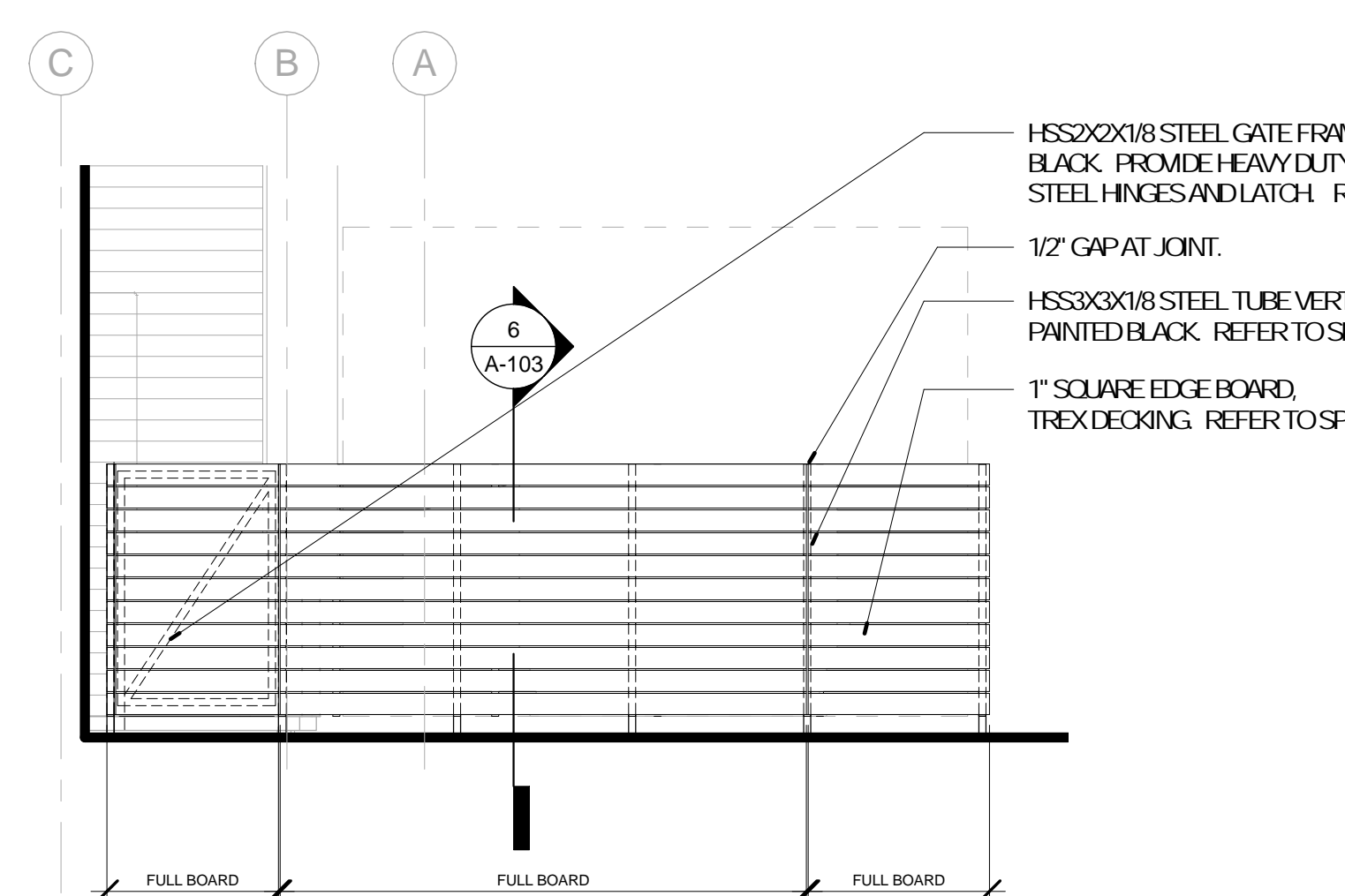
2 EP - MEETING ROOM PATIO
A-103 1/8" = 1'-0"



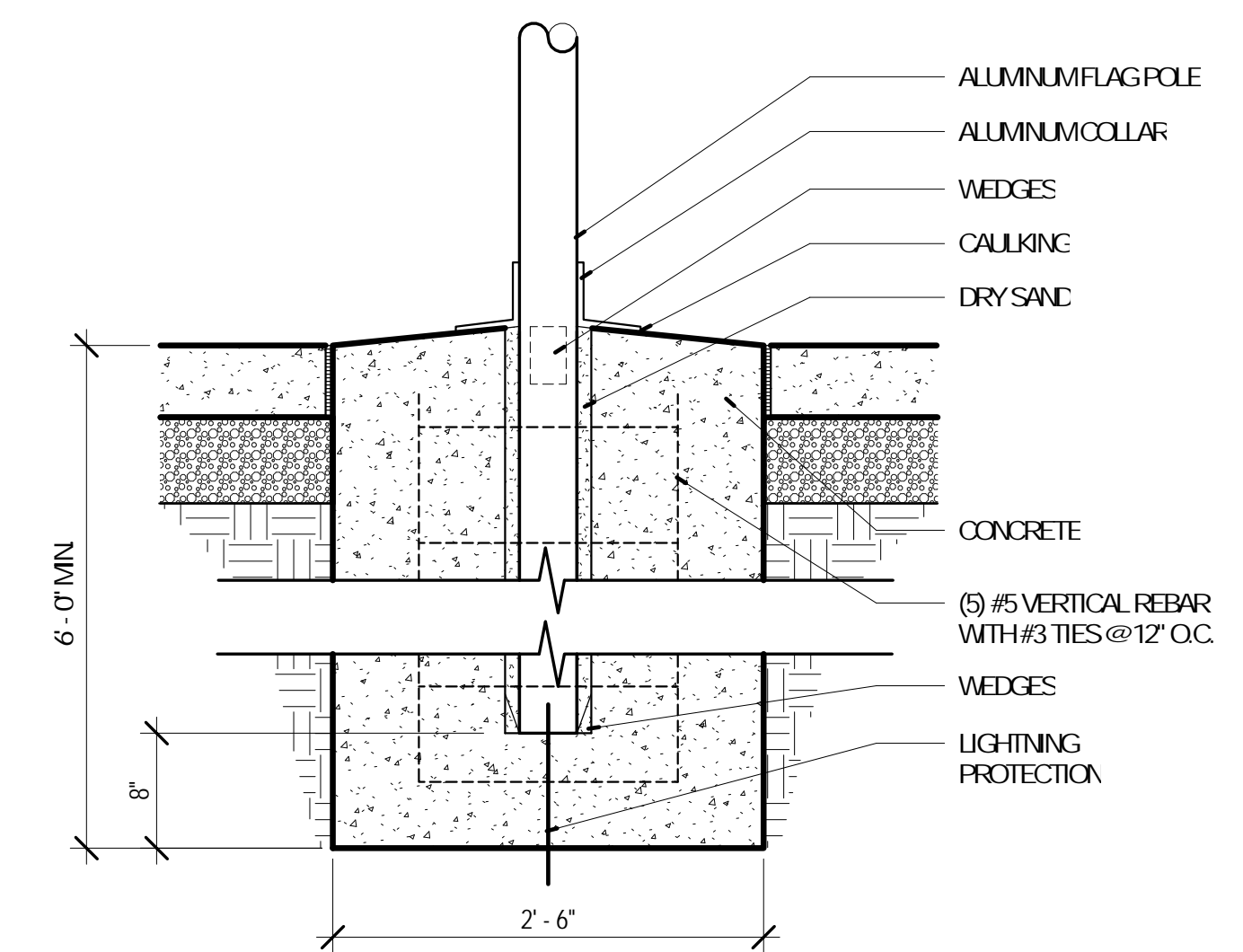
3 EP - ADULT PATIO
A-103 1/8" = 1'-0"



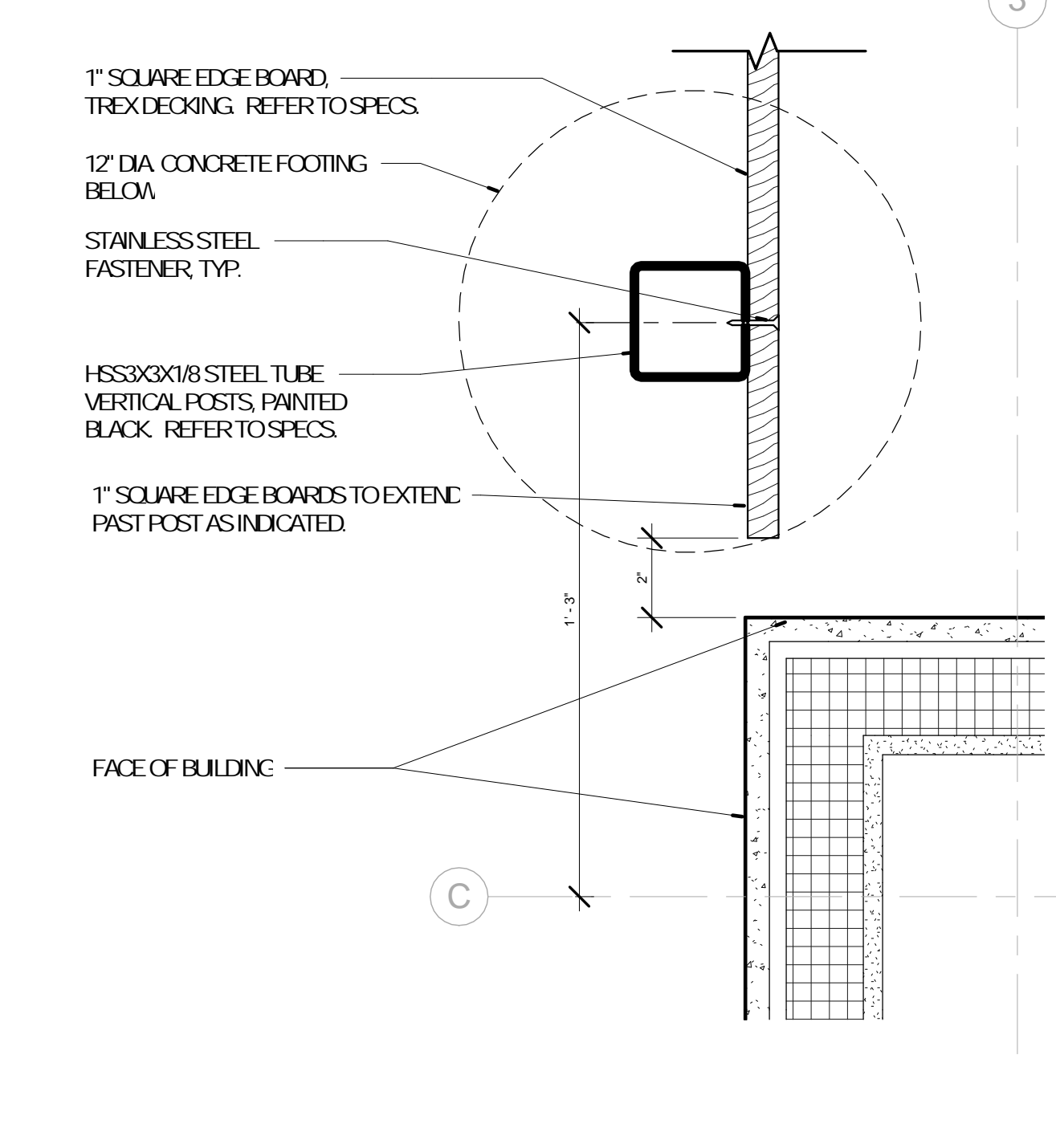
8 MECHANICAL SCREEN
A-103 1/4" = 1'-0"



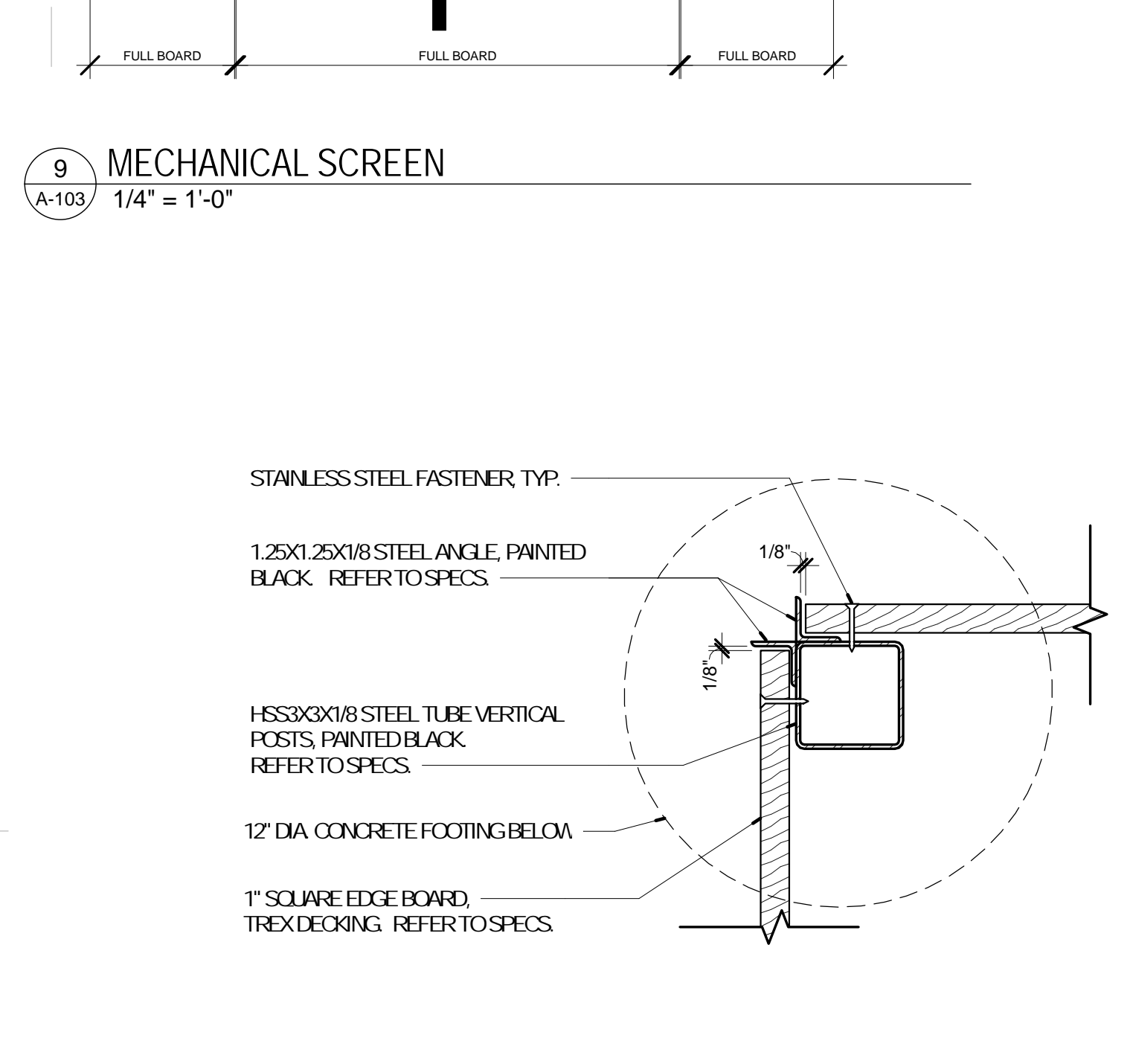
9 MECHANICAL SCREEN
A-103 1/4" = 1'-0"



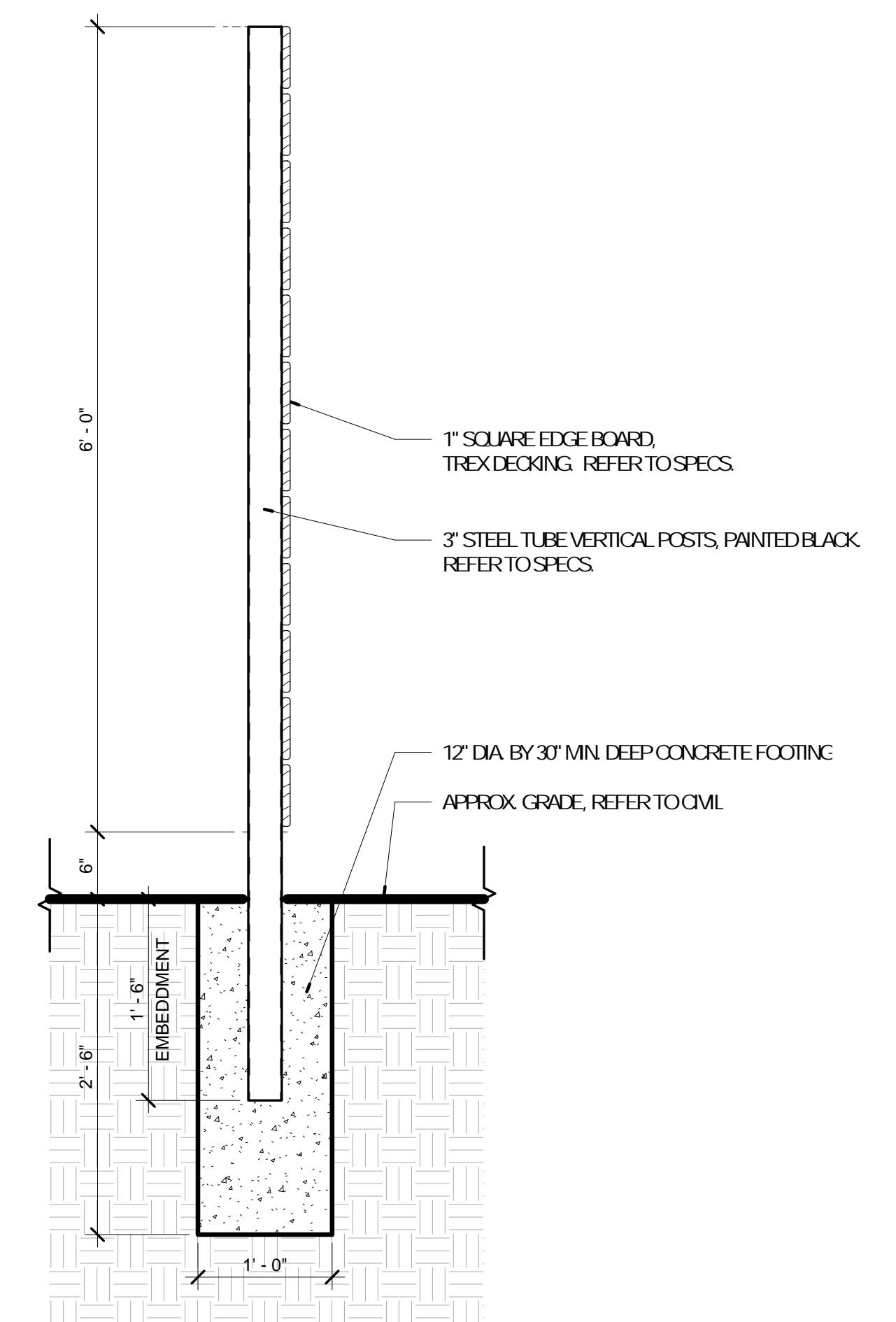
7 FLAG POLE DETAIL
A-103 1" = 1'-0"



11 EP - MECH SCREEN-END
A-103 3" = 1'-0"



10 EP - MECH SCREEN-CORNER
A-103 3" = 1'-0"



6 DETAIL - MECH SCREEN/FENCE SECTION
A-103 1" = 1'-0"

No.	Date	Description
	04/14/17	ISSUED FOR BID

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **SC/SH**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
FLOOR PLAN - FIRST FLOOR

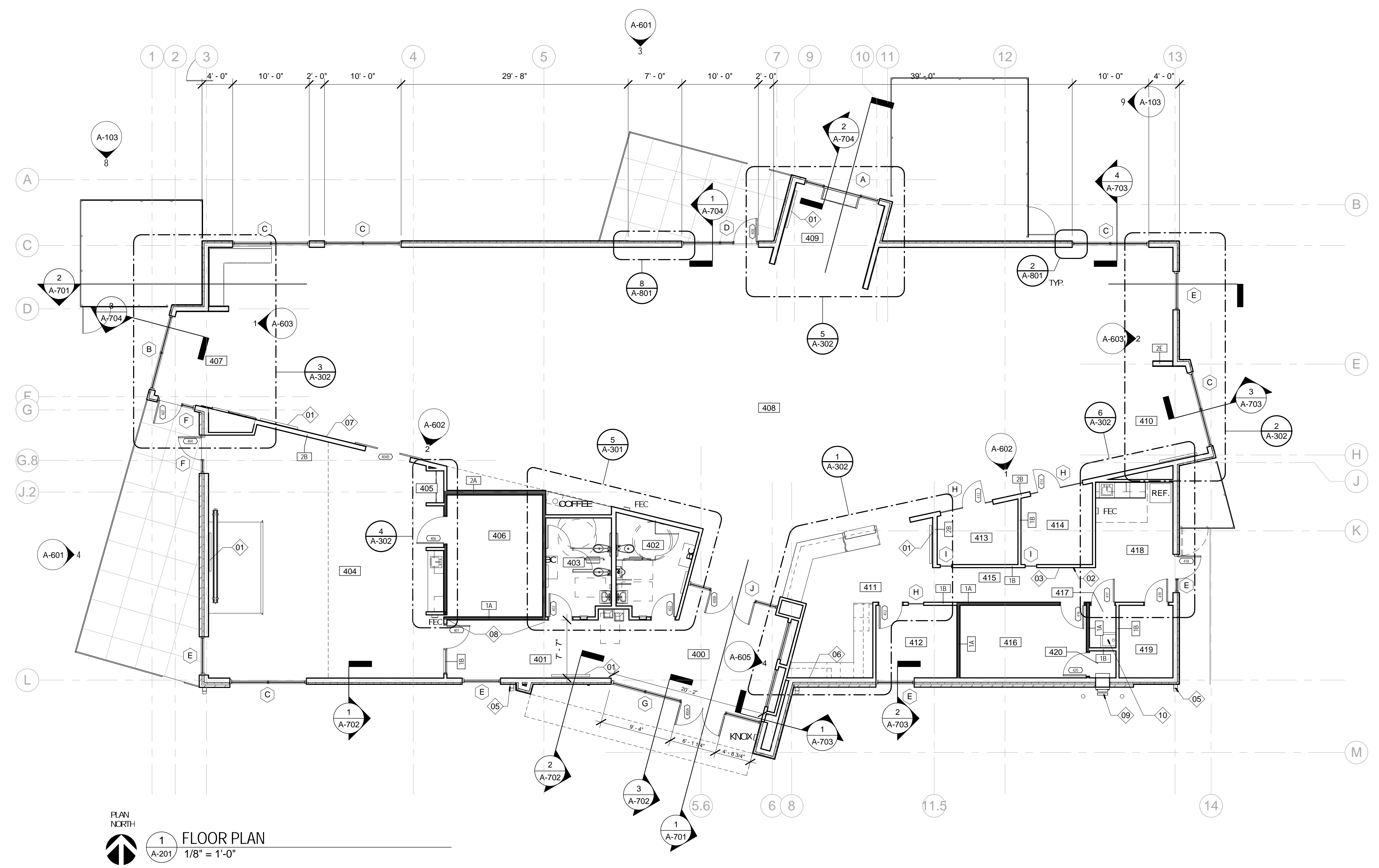
A-201

GENERAL NOTES - FLOOR PLAN

1. REFER TO SHEET A-001 FOR FLOOR PLAN GENERAL NOTES

KEYED NOTES - FLOOR PLAN

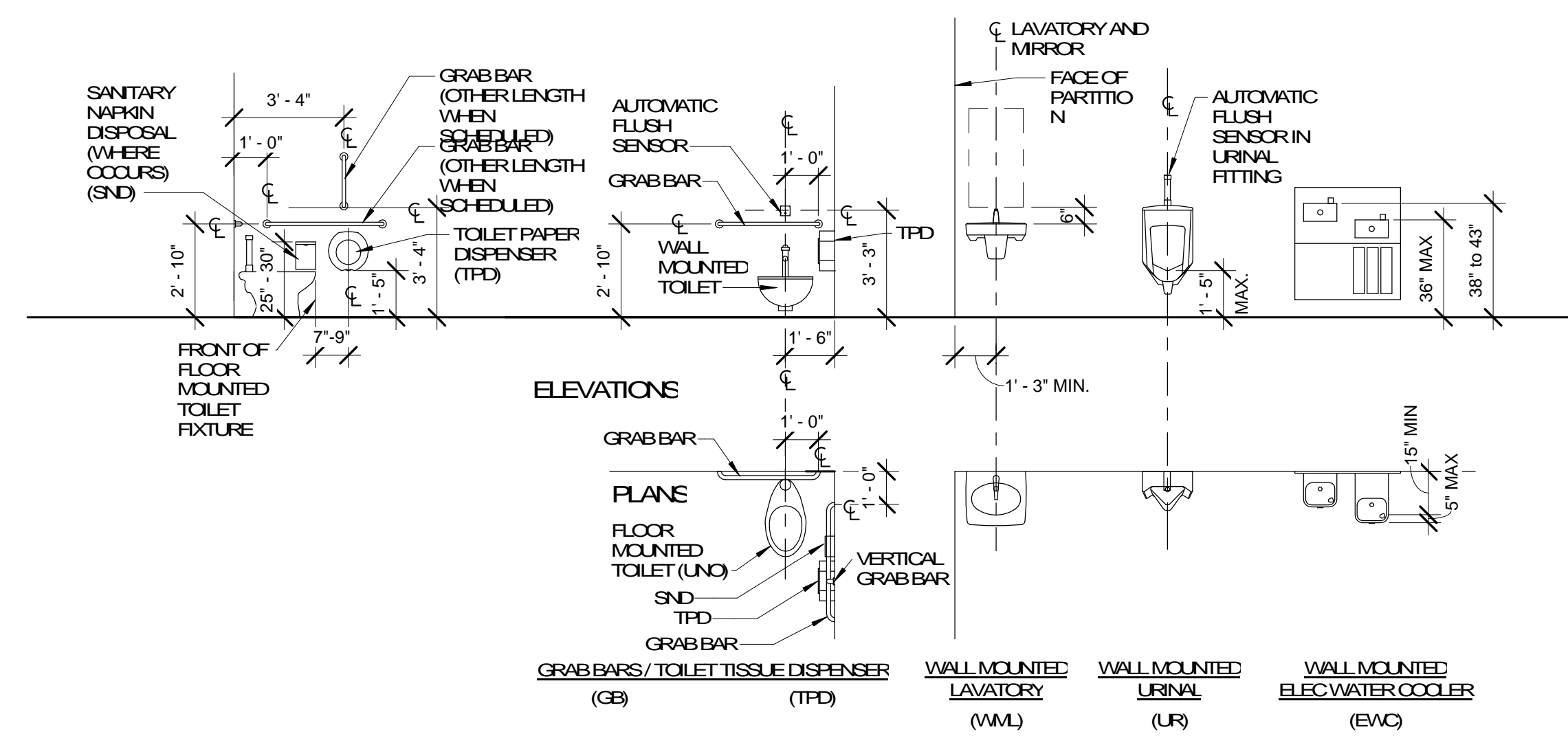
Keynote Number	Description
01	PROVIDE BLOCKING IN WALL FOR WALL-MOUNTED DISPLAY
02	PROVIDE BLOCKING IN WALL FOR COAT HOOKS
03	PROVIDE BLOCKING IN WALL FOR LOCKERS
05	DOWN SPOUT LOCATION - REFER TO ARCHITECTURAL SITE PLAN AND CIVIL DWGS.
06	PROVIDE BLOCKING IN WALL FOR WALL-HUNG SHELVING
07	PROVIDE BLOCKING IN WALL FOR BULLETIN BOARD, C.F.C.I.
08	PROVIDE BLOCKING IN WALL FOR DONOR WALL, O.F.O.I.
09	IN-WALL BOOK DROP UNIT, REFER TO DETAILS AND SPECIFICATIONS.
10	JANITOR'S MOP SINK, REFER TO PLUMBING DRAWINGS AND SPECIFICATIONS.



PLAN NORTH
1 FLOOR PLAN
A-201 1/8" = 1'-0"

ROOM SCHEDULE	
Number	Name
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH / ELEC
420	BOOK DROP

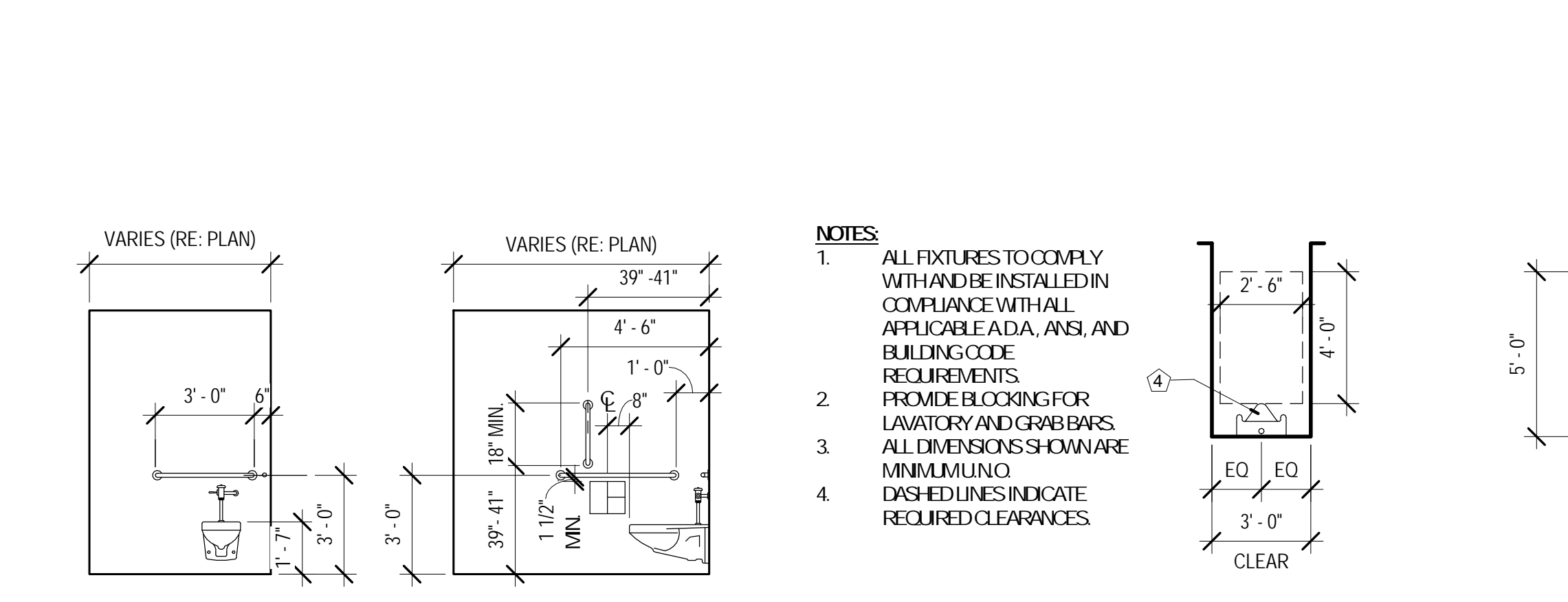
No.	Date	Description
	04/14/17	ISSUED FOR BID



TOILET FIXTURE AND ACCESSORY MOUNTING LOCATIONS
DIMENSIONS SHOWN APPLY TO SPECIFIC MODELS ONLY. ADJUST DIMENSIONS AS REQUIRED FOR OTHER MODELS AND/OR MANUFACTURERS.

MOUNTING LOCATIONS - PLUMBING FIXTURES

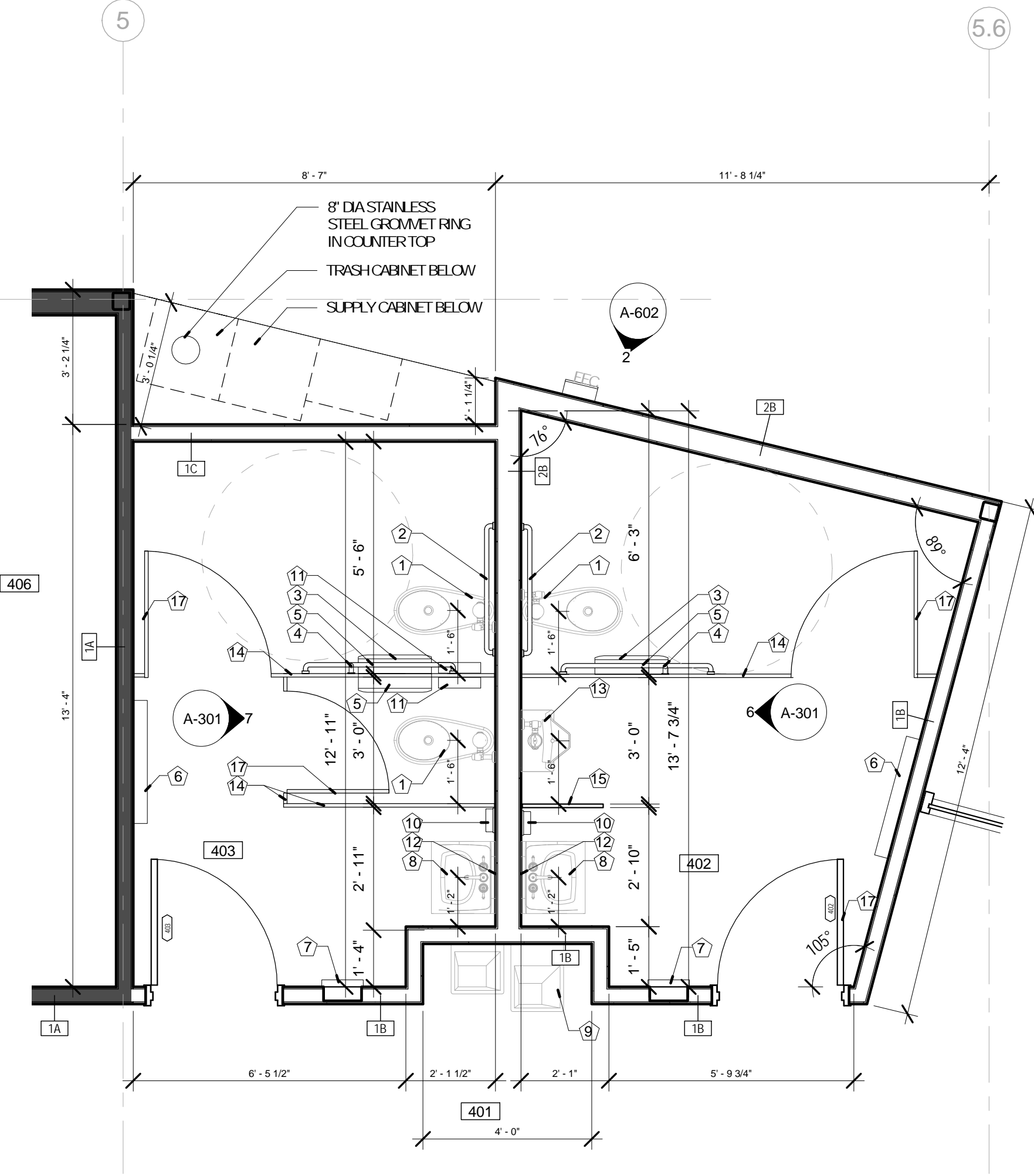
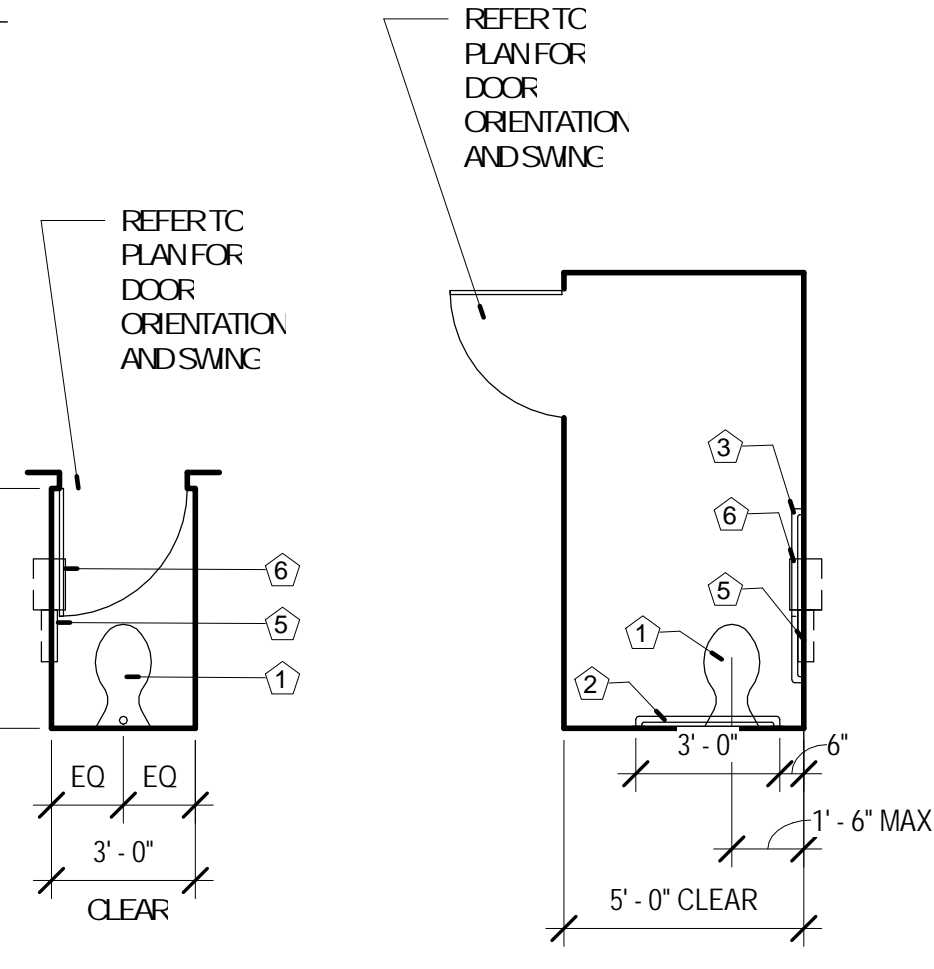
1/4" = 1'-0"



MOUNTING LOCATIONS - PLUMBING FIXTURES - ADA WC
1/4" = 1'-0"

ENLARGED TYP. RESTROOM PLANS

1/4" = 1'-0"

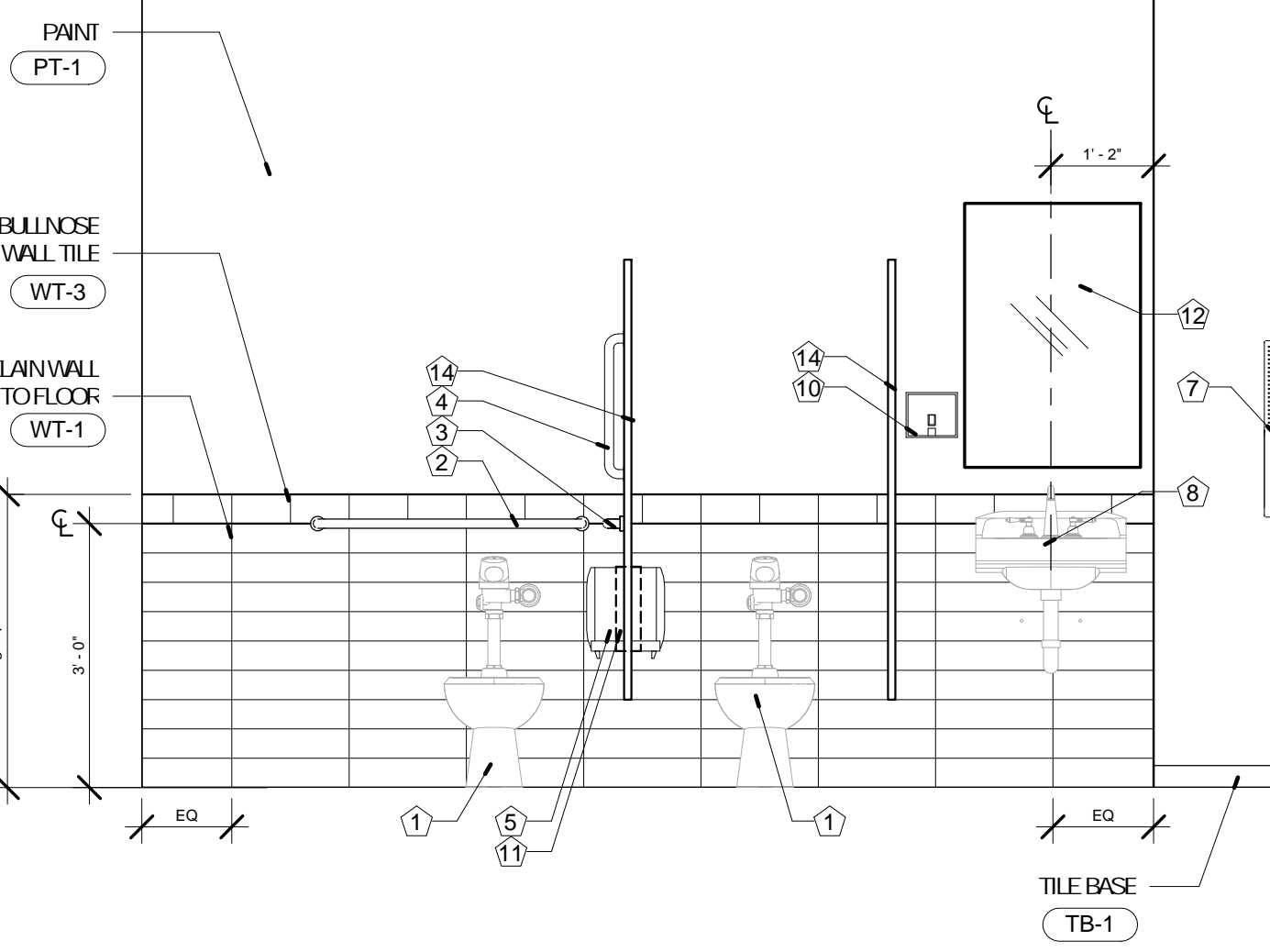


5 ENLARGED PLAN @ RESTROOMS & COFFEE BAR
3/8" = 1'-0"

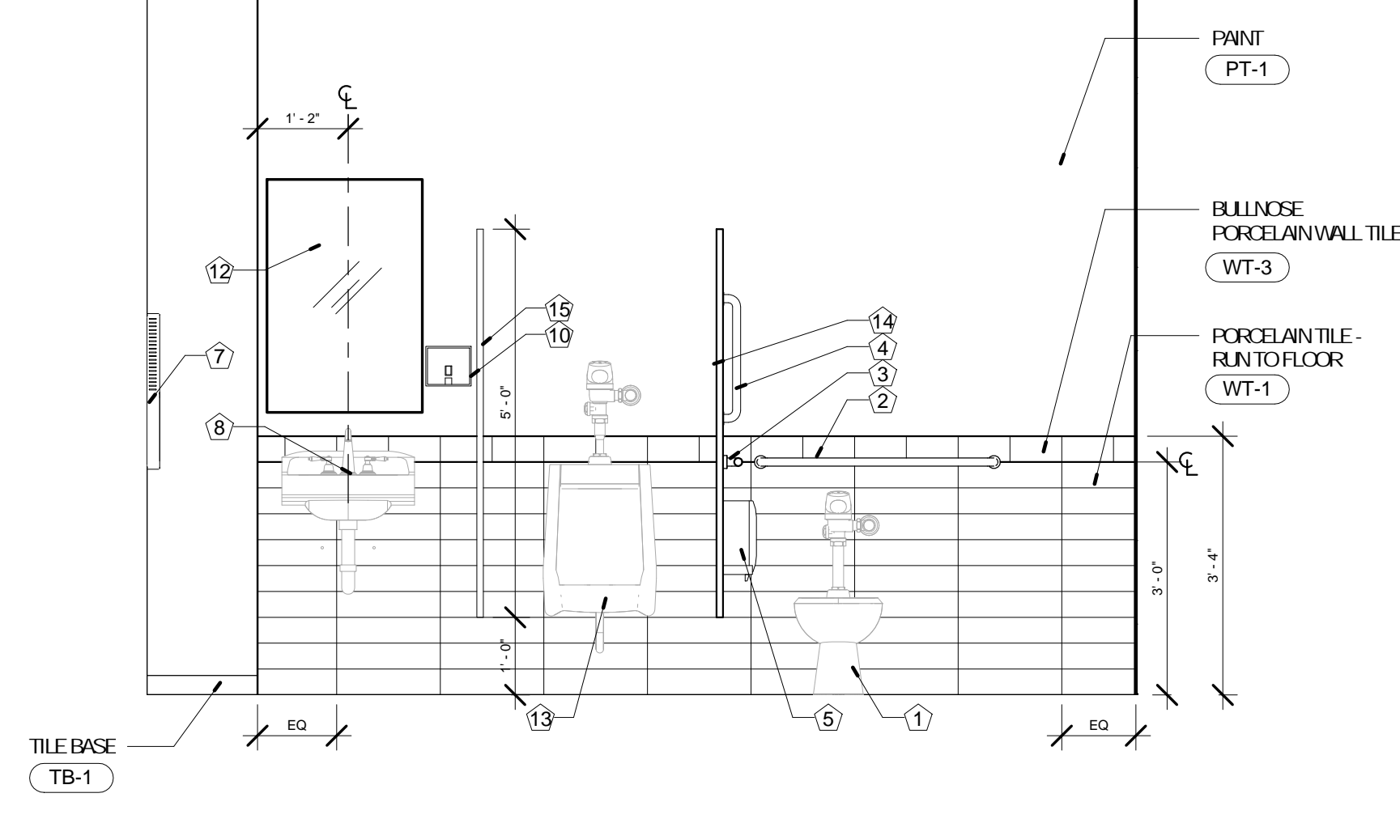
PLUMBING FIXTURES AND ACCESSORIES LEGEND:

ALL FIXTURES, ACCESSORIES, AND INSTALLATIONS TO BE ACCESSIBLE AND IN FULL COMPLIANCE WITH ICC/ANSI 117.1. NUMBERS IN BRACKETS REFER TO ICC/ANSI 117.1 SECTION.

- 1 FLOOR-MOUNTED TOILET: SEE PLUMBING SPECS.
- 2 GRABBAR: BOBRICK #E-5806 X36 HORIZONTAL GRABBAR WITH CONCEALED MOUNTING. SATIN FINISH STAINLESS STEEL. PROVIDE NECESSARY BLOCKING IN WALL FOR MOUNTING.
- 3 GRABBAR: BOBRICK #E-5806 X42 HORIZONTAL GRABBAR WITH CONCEALED MOUNTING. SATIN FINISH STAINLESS STEEL.
- 4 GRABBAR: 18" GRABBAR BOBRICK MODEL #B6086 VERTICAL GRABBAR WITH CONCEALED MOUNTING. SATIN FINISH STAINLESS STEEL.
- 5 TOILET TISSUE DISPENSER: BOBRICK #E-2888 CLASSIC SERIES MULTI-ROLL TOILET TISSUE DISPENSER. SURFACE-MOUNTED.
- 6 CHANGING STATION: KOALA KARE PRODUCTS #KE-200, SURFACE-MOUNTED SERIES. PROVIDE NECESSARY BLOCKING IN WALL FOR MOUNTING.
- 7 RECESSED AUTOMATIC HAND DRYER: BOBRICK #E-3725, TRIM LINE SERIES, SEMI-RECESSED. SATIN FINISH STAINLESS STEEL. PROVIDE NECESSARY BLOCKING IN WALL FOR MOUNTING.
- 8 WALL-MOUNTED LAVATORY: SEE PLUMBING SPECS.
- 9 DRINKING FOUNTAIN: BI-LEVEL ADA COMPLIANT, SEE PLUMBING SPECS.
- 10 SOAP DISPENSER: BOBRICK #E-2111 CLASSIC SERIES SURFACE-MOUNTED. SATIN FINISH STAINLESS STEEL. PROVIDE NECESSARY BLOCKING IN WALL FOR MOUNTING.
- 11 SANITARY DISPOSAL: BOBRICK #E-354 CLASSIC SERIES PARTITION-MOUNTED DUAL-SIDED. SATIN FINISH STAINLESS STEEL (WOMEN'S RESTROOMS ONLY).
- 12 MIRROR: BOBRICK #E-165-2448, SERIES CHANNEL-FRAMED MIRROR 24"X48"
- 13 WALL-MOUNTED URINAL: SEE PLUMBING SPECS.
- 14 TOILET PARTITION: SEE SPECIFICATIONS.
- 15 URINAL SCREEN: SEE SPECIFICATIONS.
- 16 UTILITY SHELF W/BROOM HOLDER: BOBRICK #E-224 UTILITY SHELF WITH MOP/BROOM HOLDERS AND RAG HOOKS.
- 17 COAT HOOKS: BOBRICK #E-2116 HEAVY-DUTY CLOTHES HOOK WITH CONCEALED MOUNTING.



7 ELEVATION @ WOMENS RESTROOM
1/2" = 1'-0"



6 ELEVATION @ MENS RESTROOM
1/2" = 1'-0"

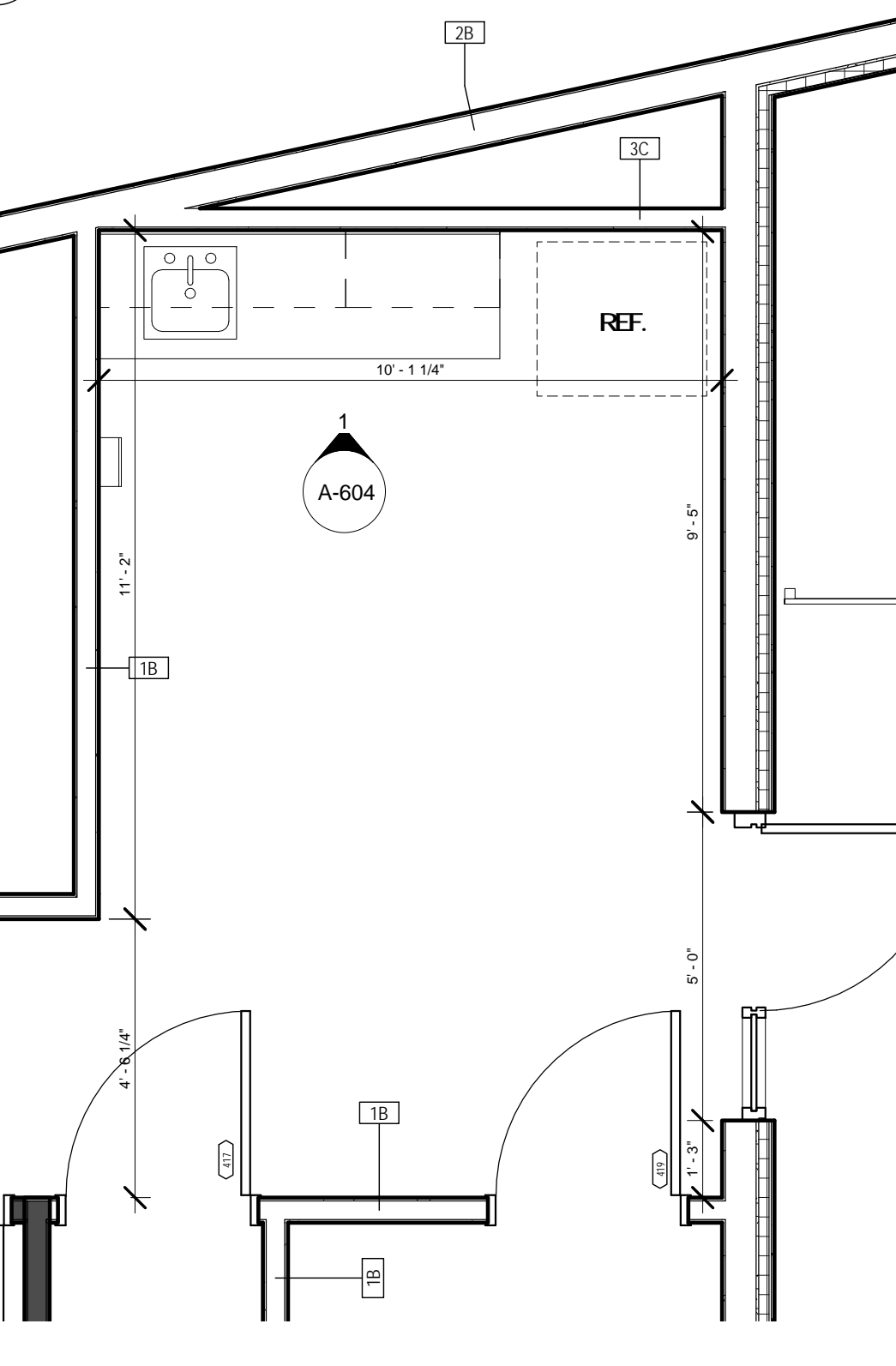
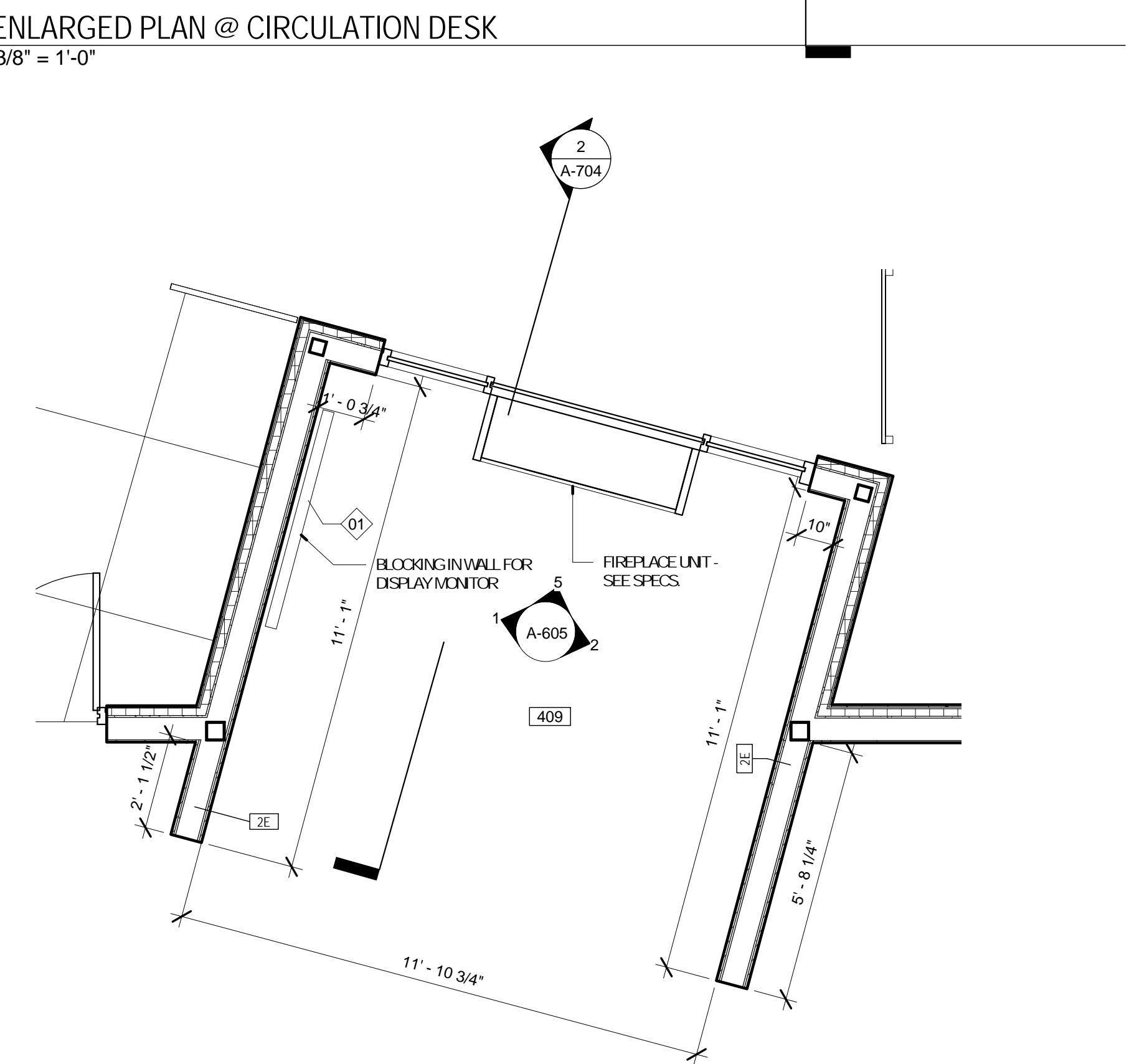
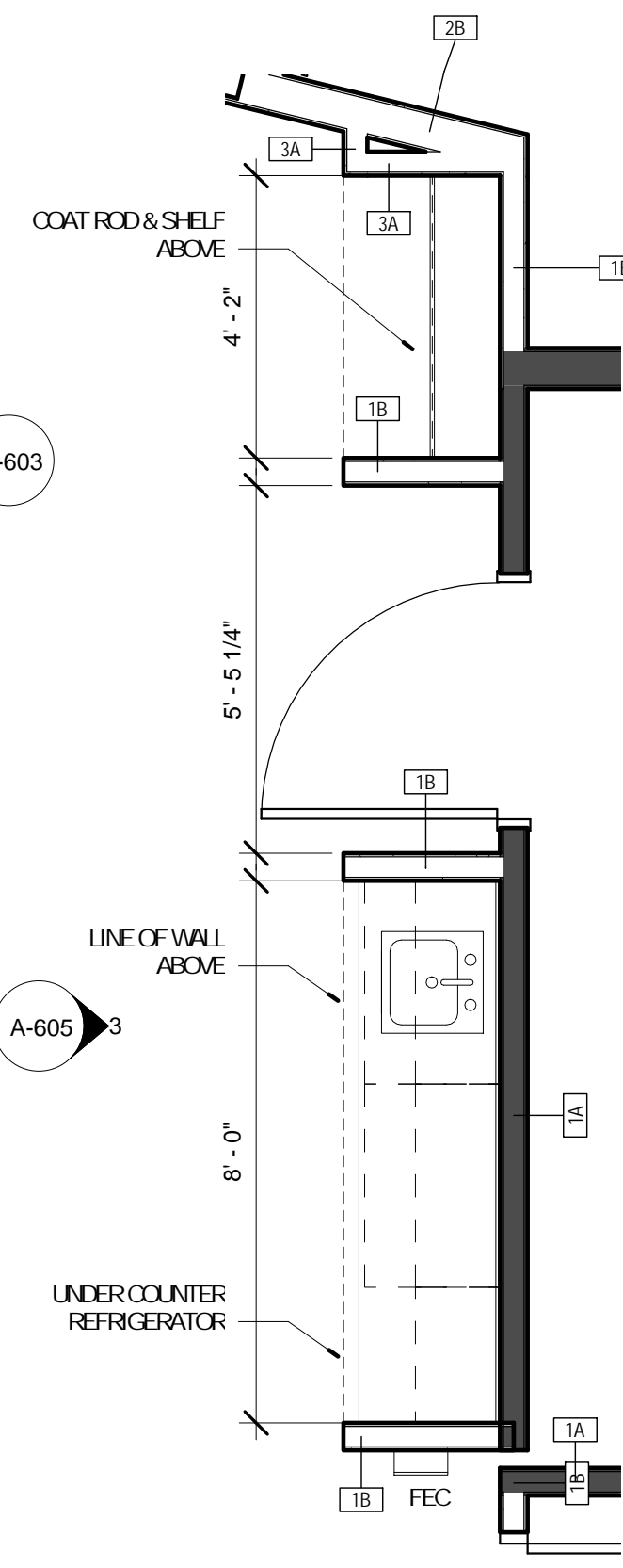
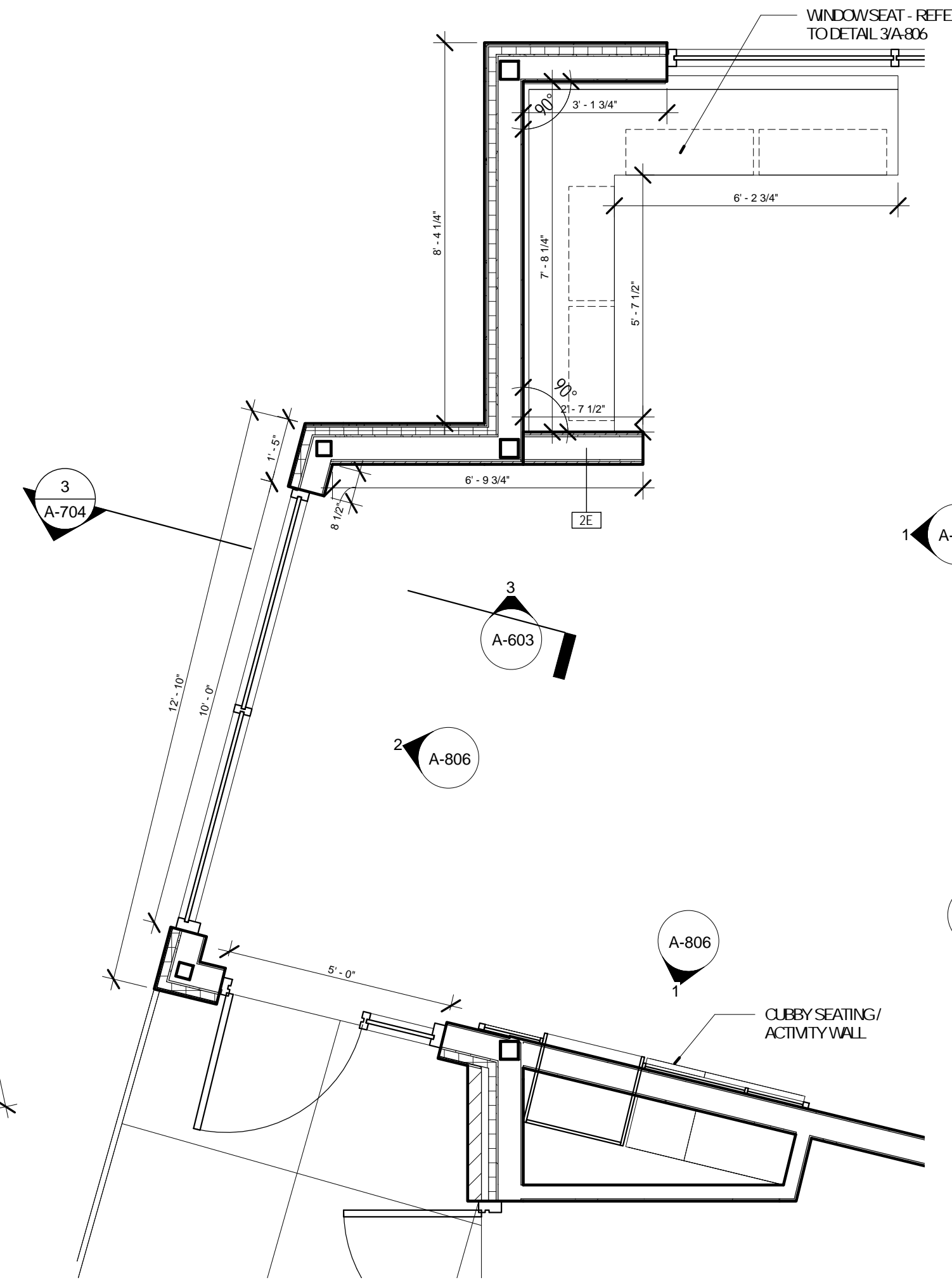
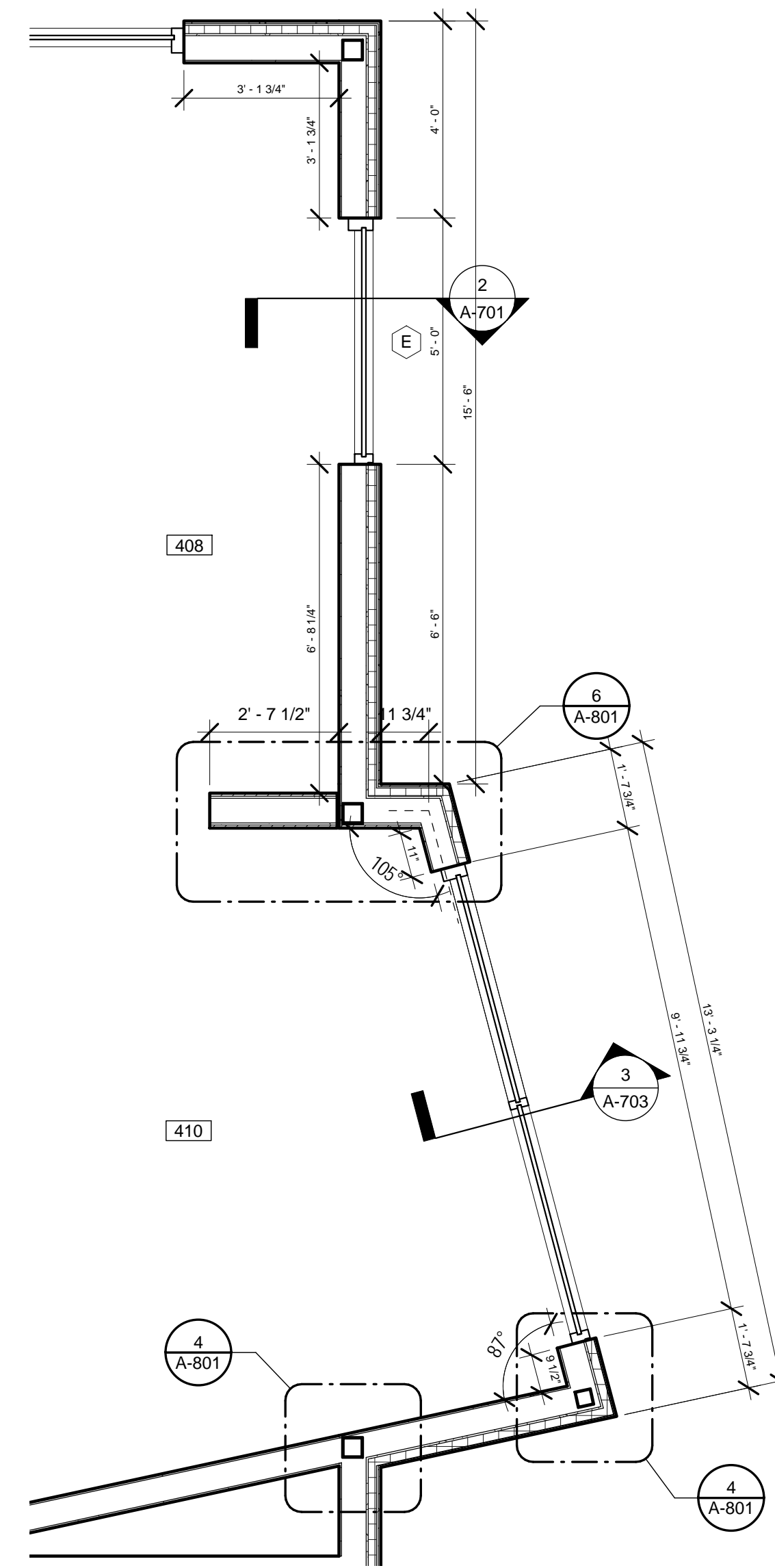
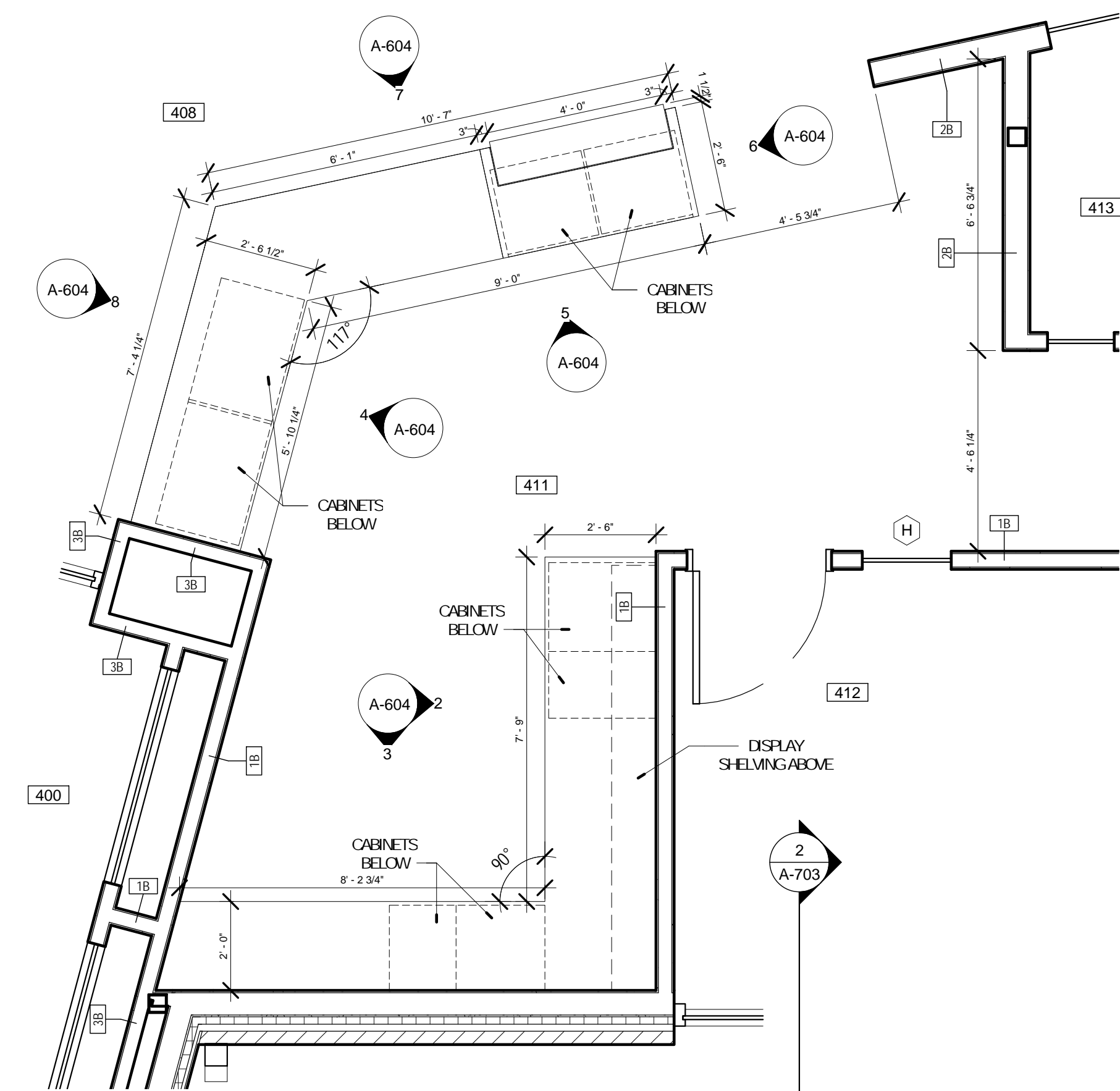
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH

PROJECT NUMBER: 16-1161.03

SHEET TITLE:
ENLARGED FLOOR PLANS

A-302



No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH

PROJECT NUMBER: 16-1161.03

SHEET TITLE:
RCP - FIRST FLOOR

A-401

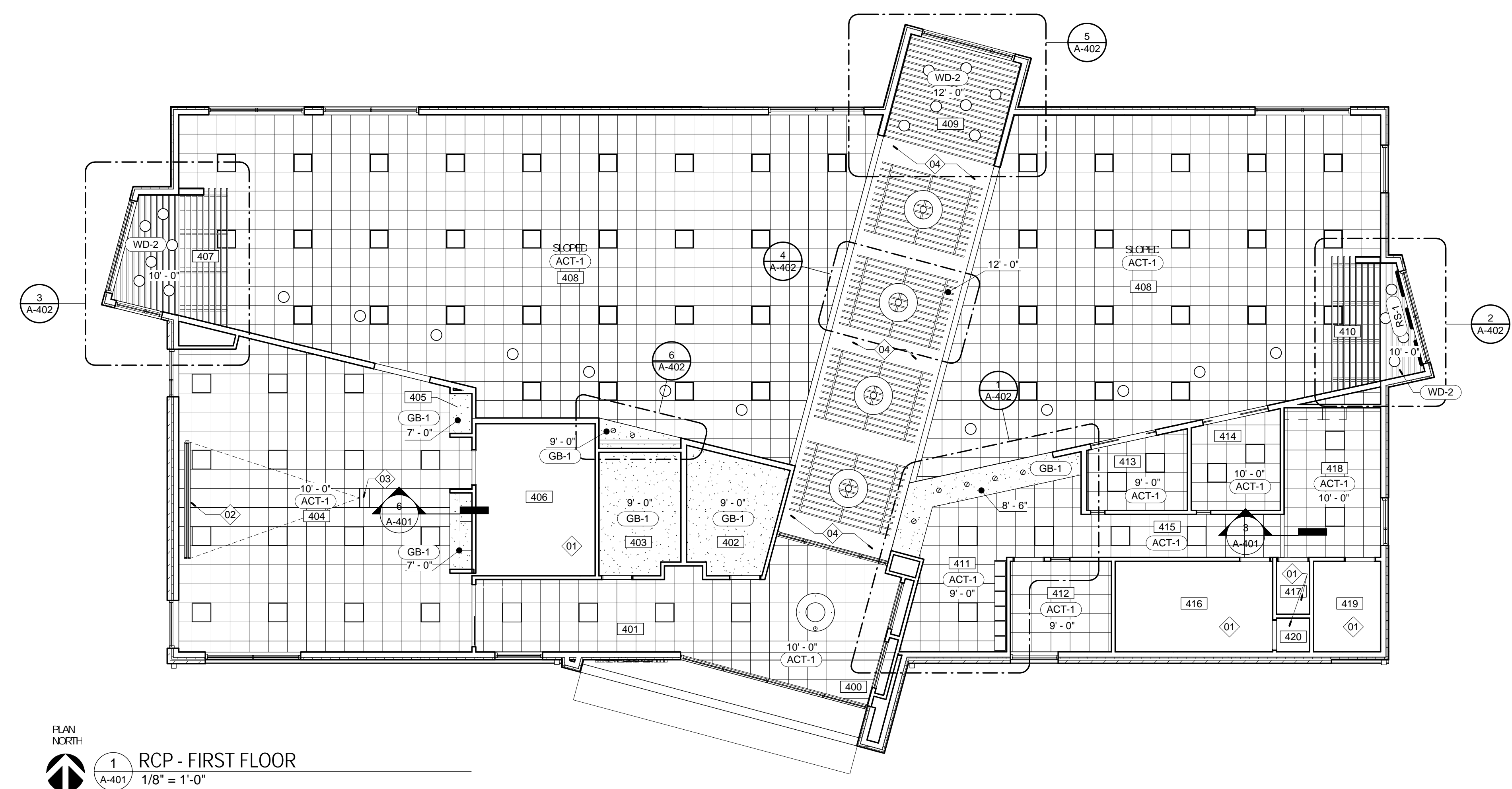
GENERAL NOTES - RCP

- REFER TO SHEET A-001 FOR RCP GENERAL NOTES

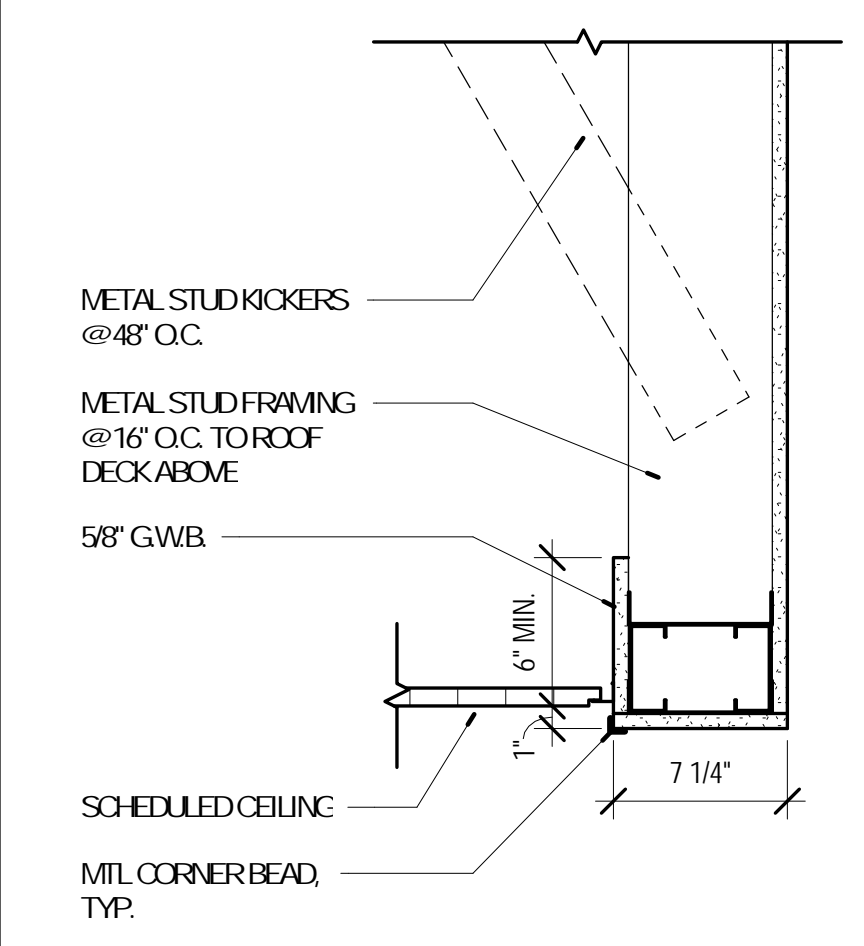
KEYED NOTES - RCP

- NO CEILING THIS ROOM/AREA
- POWERED PROJECTOR SCREEN, REFER TO SPECS.
- LOCATION OF PROJECTOR, OFCI. CONTRACTOR TO PROVIDE ALL SUPPORT ABOVE CEILING FOR PROJECTOR.
- PAINT ALL EXPOSED STRUCTURE, DECKING, CONDUIT, PIPING, HANGER, LIGHT FIXTURE CABLING, ETC PT-2 FACE OF ADJACENT PARTITION, WHERE EXISTS - REFER TO PLAN

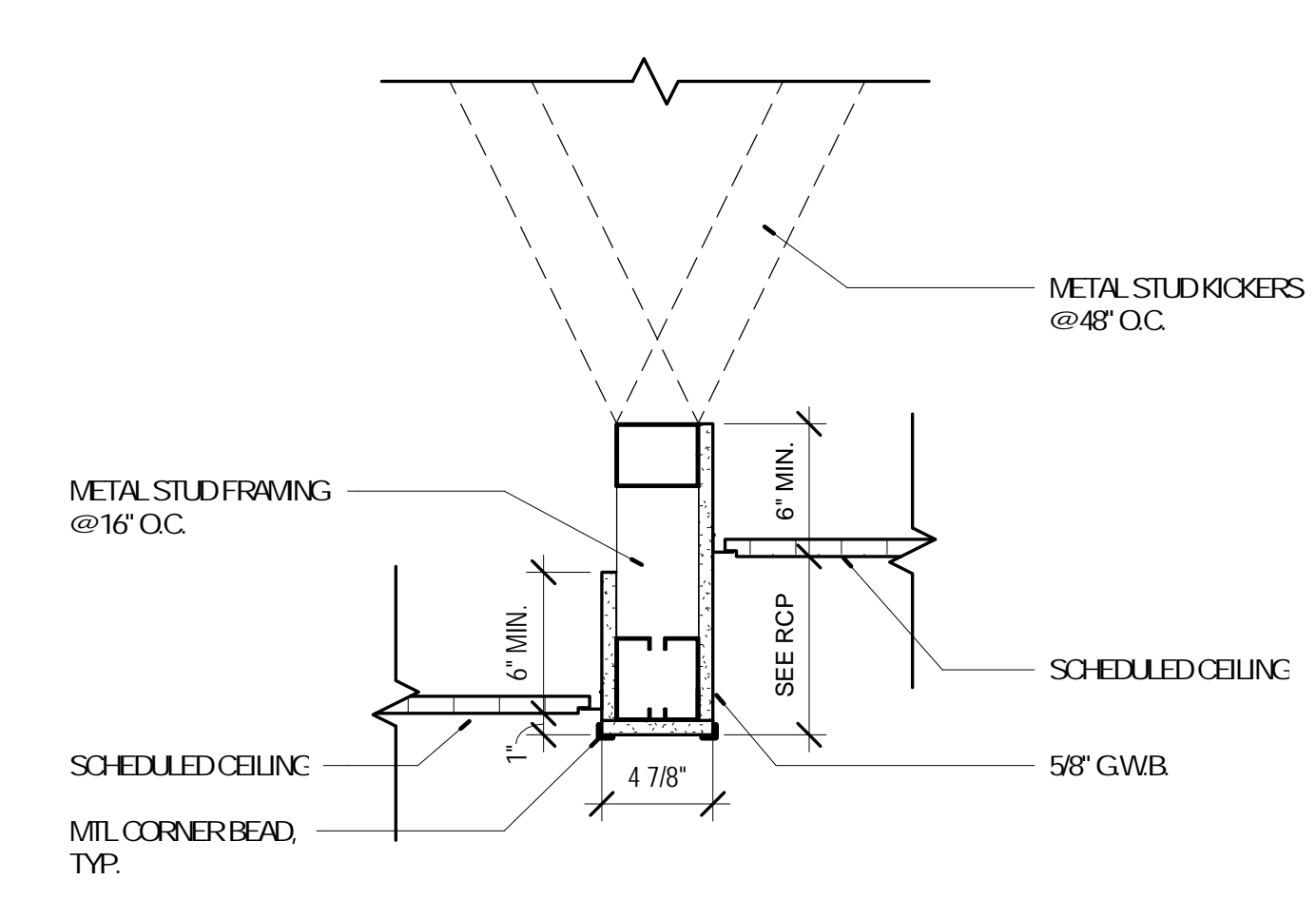
ROOM SCHEDULE	
Number	Name
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH / ELEC
420	BOOK DROP



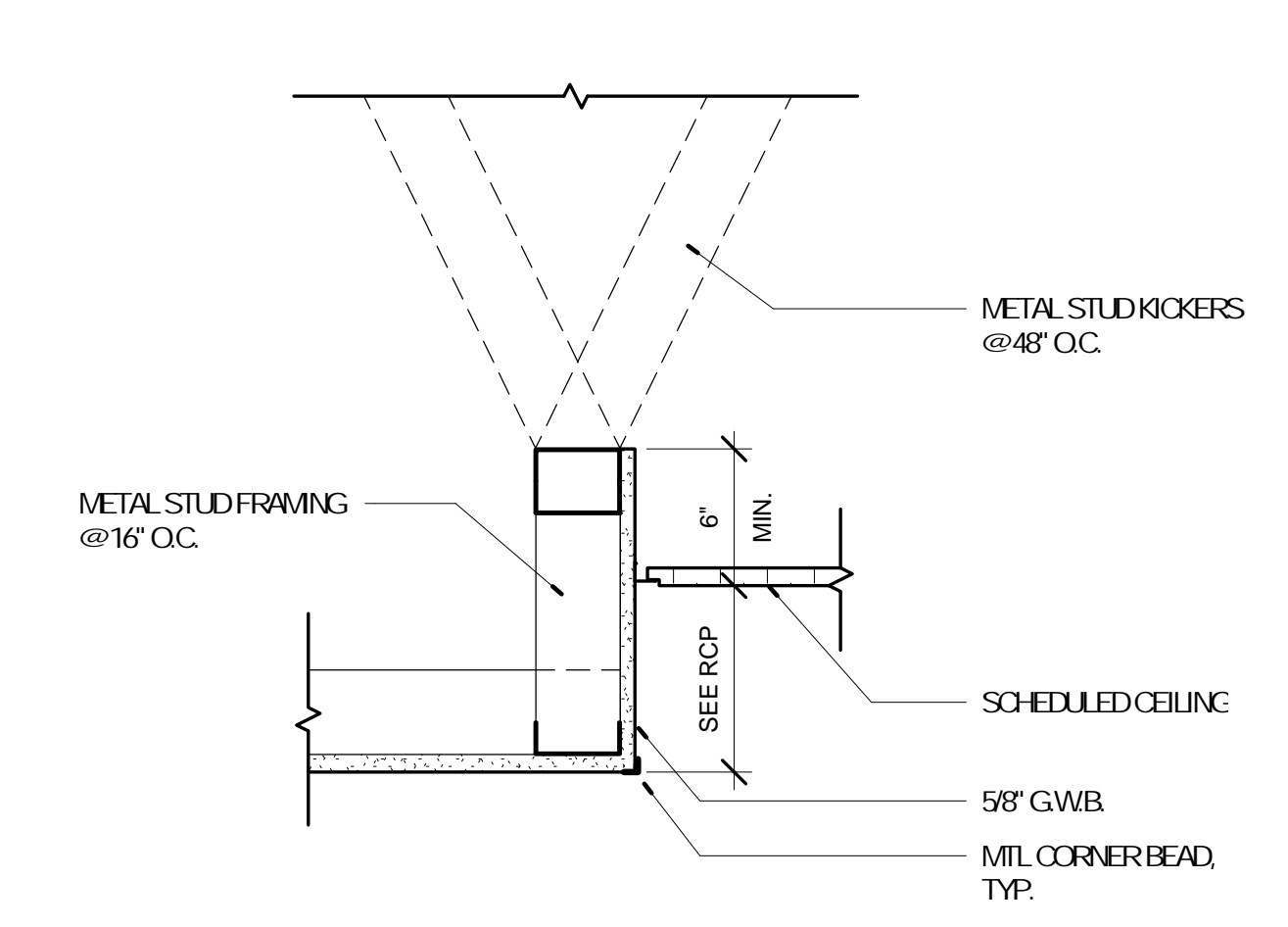
PLAN NORTH
1 RCP - FIRST FLOOR
A-401 1/8" = 1'-0"



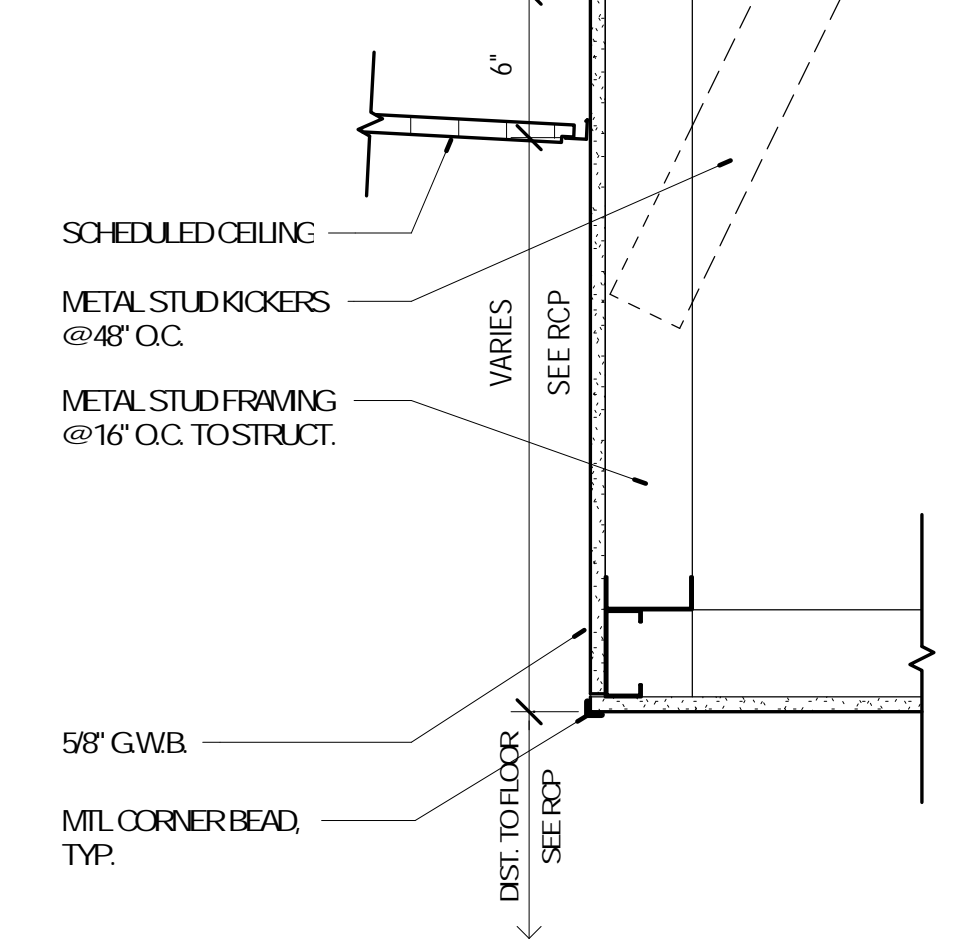
2 BULKHEAD DETAIL
A-401 1 1/2" = 1'-0"



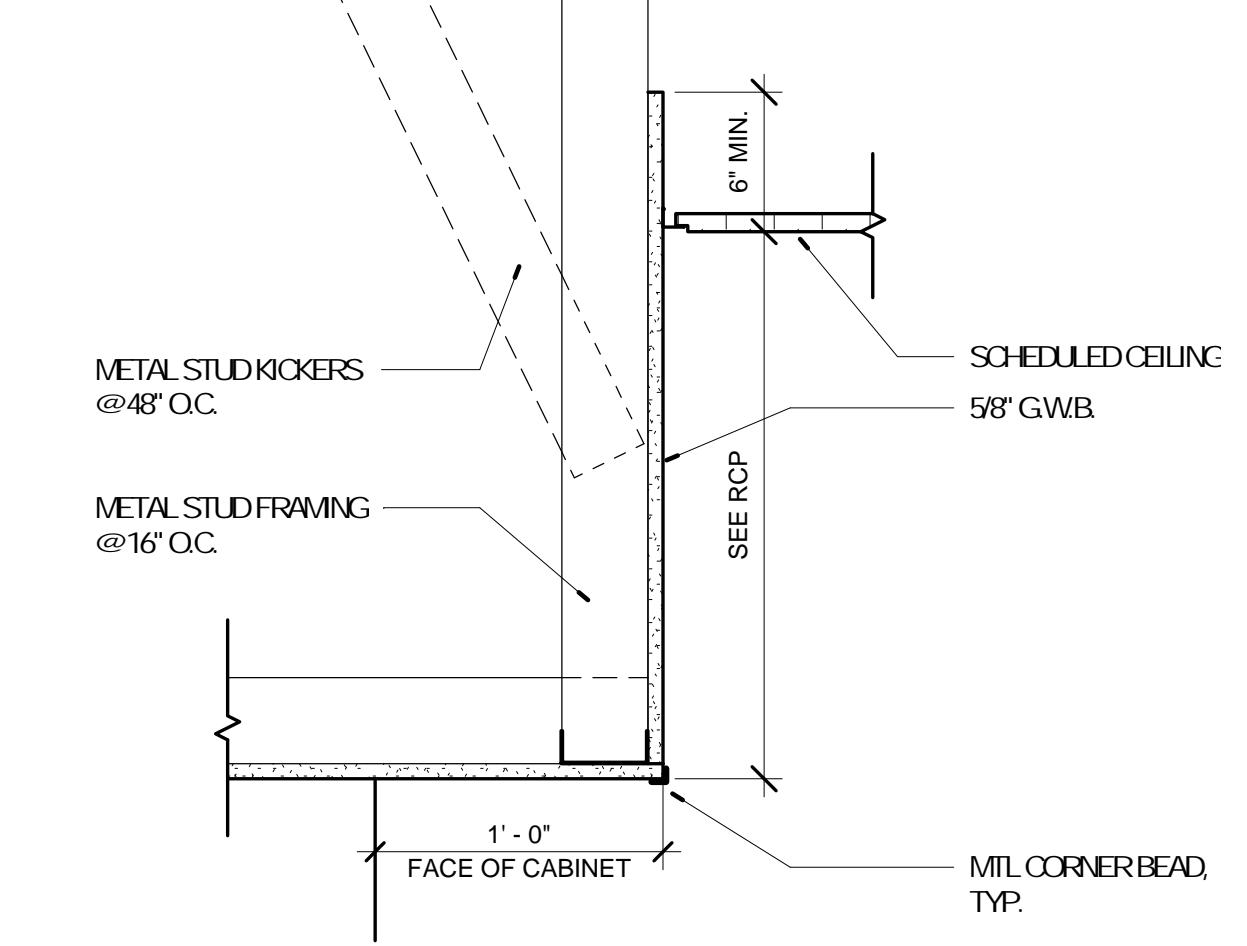
3 BULKHEAD DETAIL
A-401 1 1/2" = 1'-0"



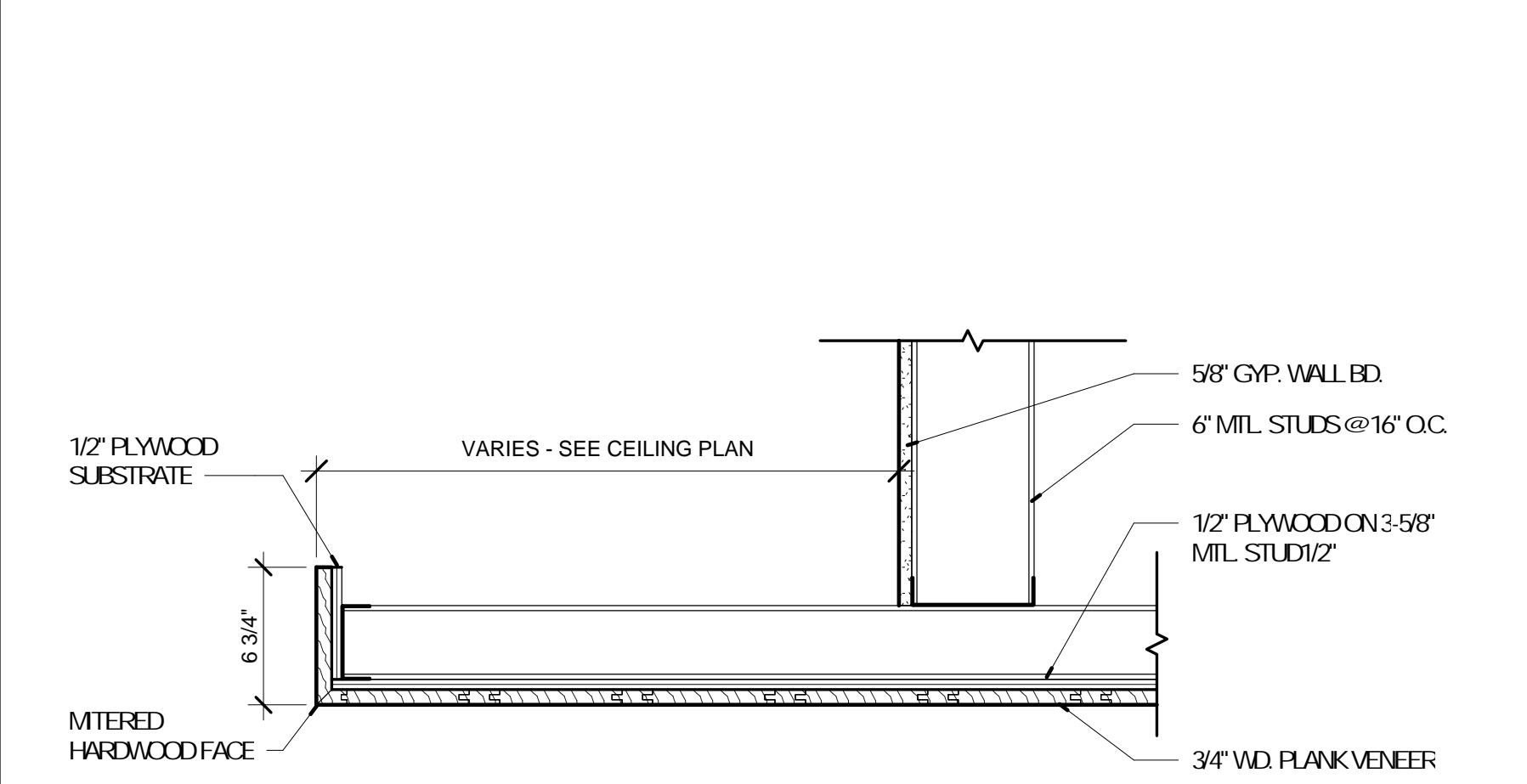
4 BULKHEAD DETAIL
A-401 1 1/2" = 1'-0"



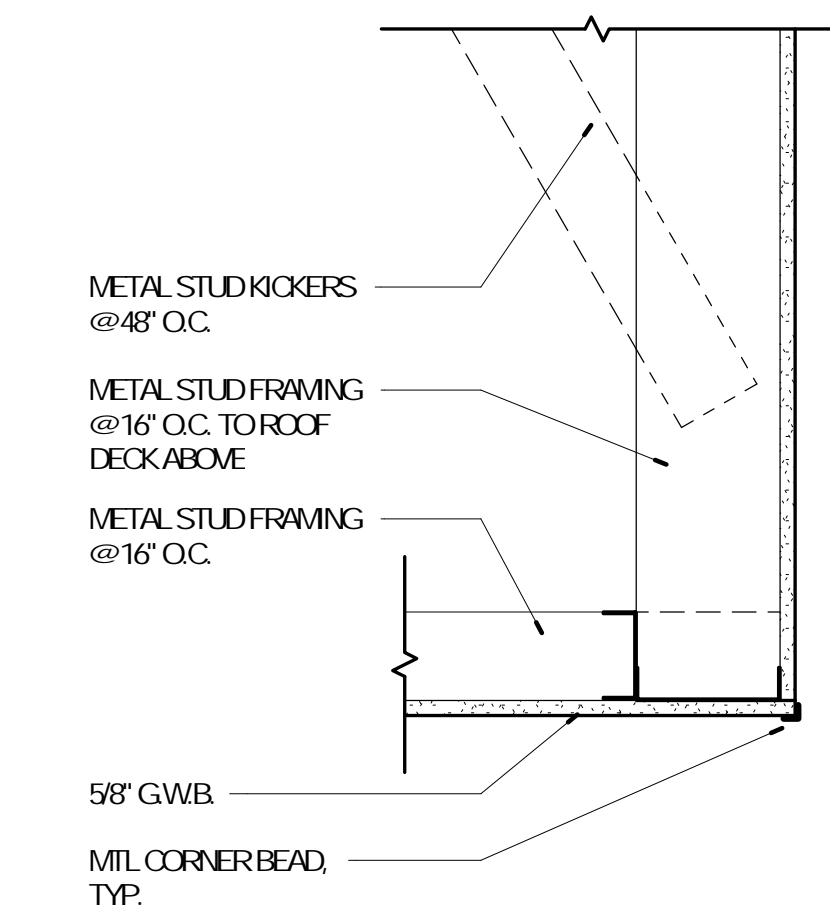
5 BULKHEAD DETAIL
A-401 1 1/2" = 1'-0"



6 BULKHEAD DETAIL
A-401 1 1/2" = 1'-0"

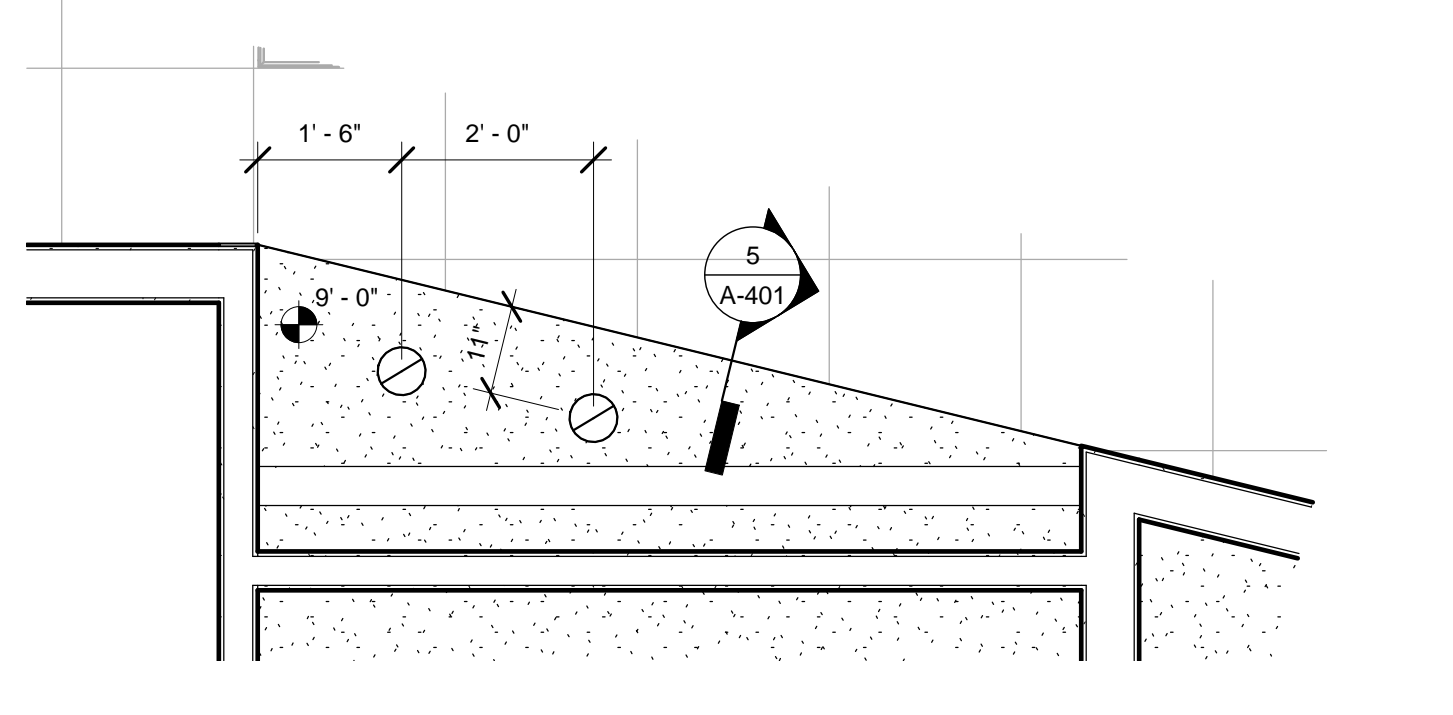
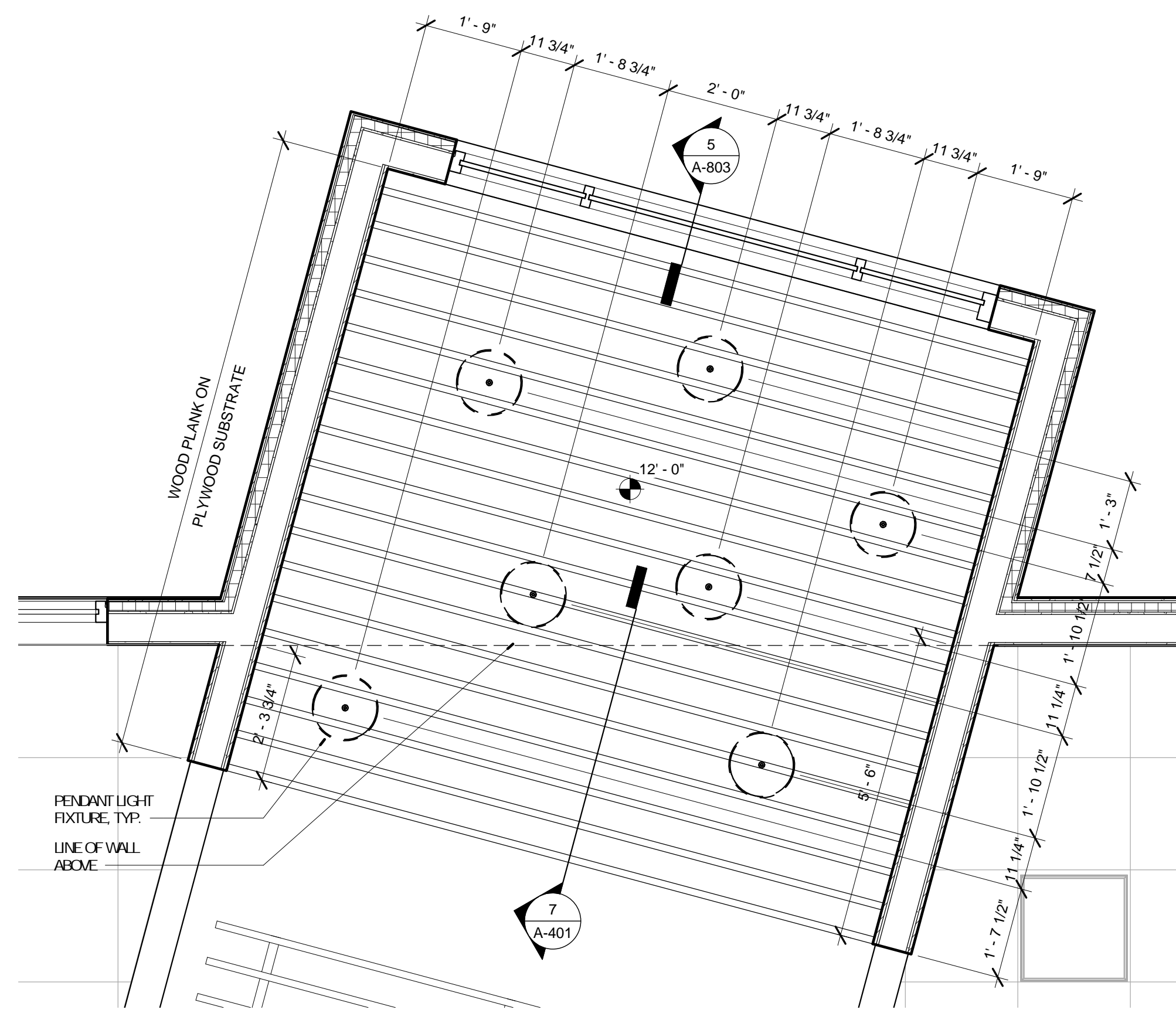
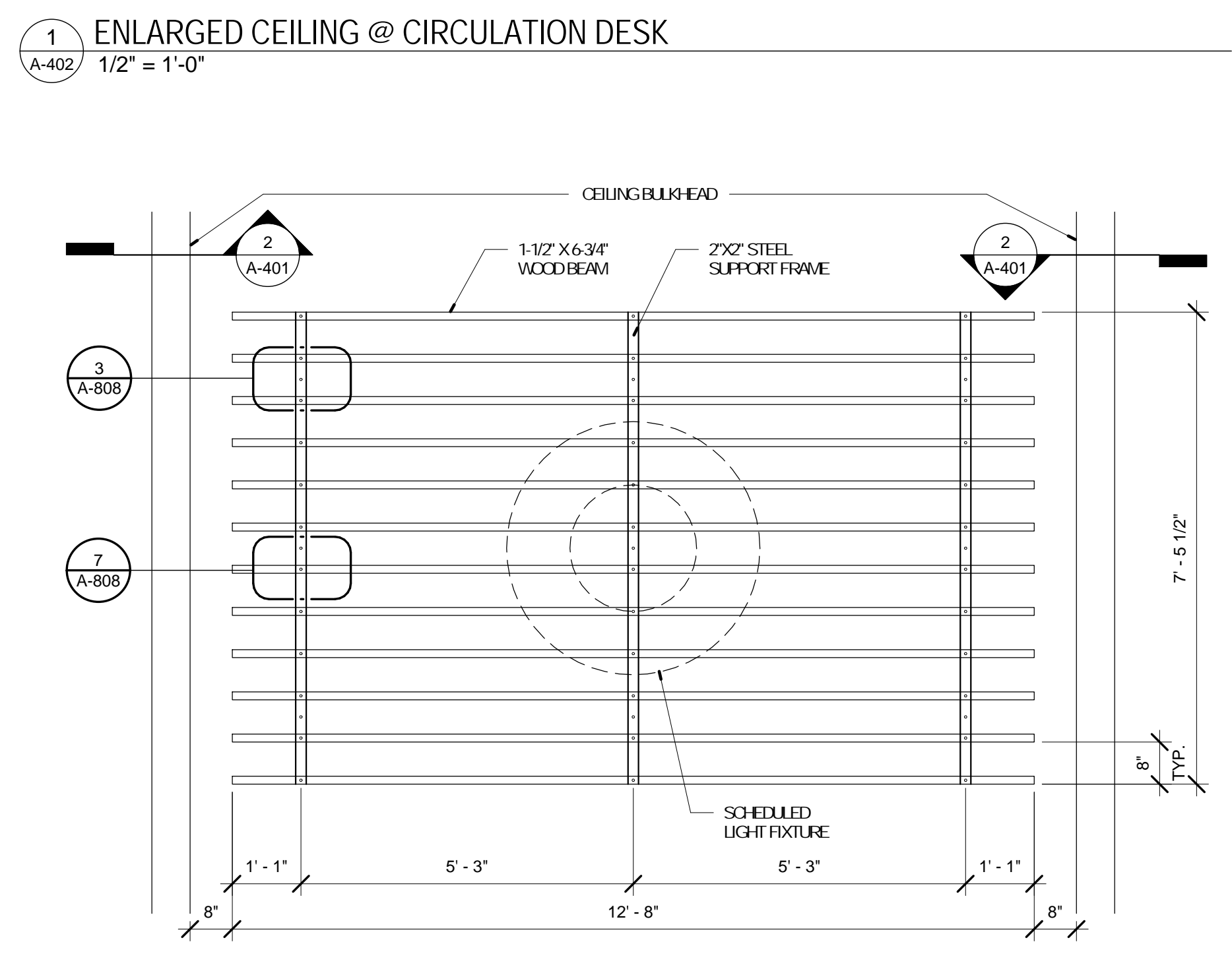
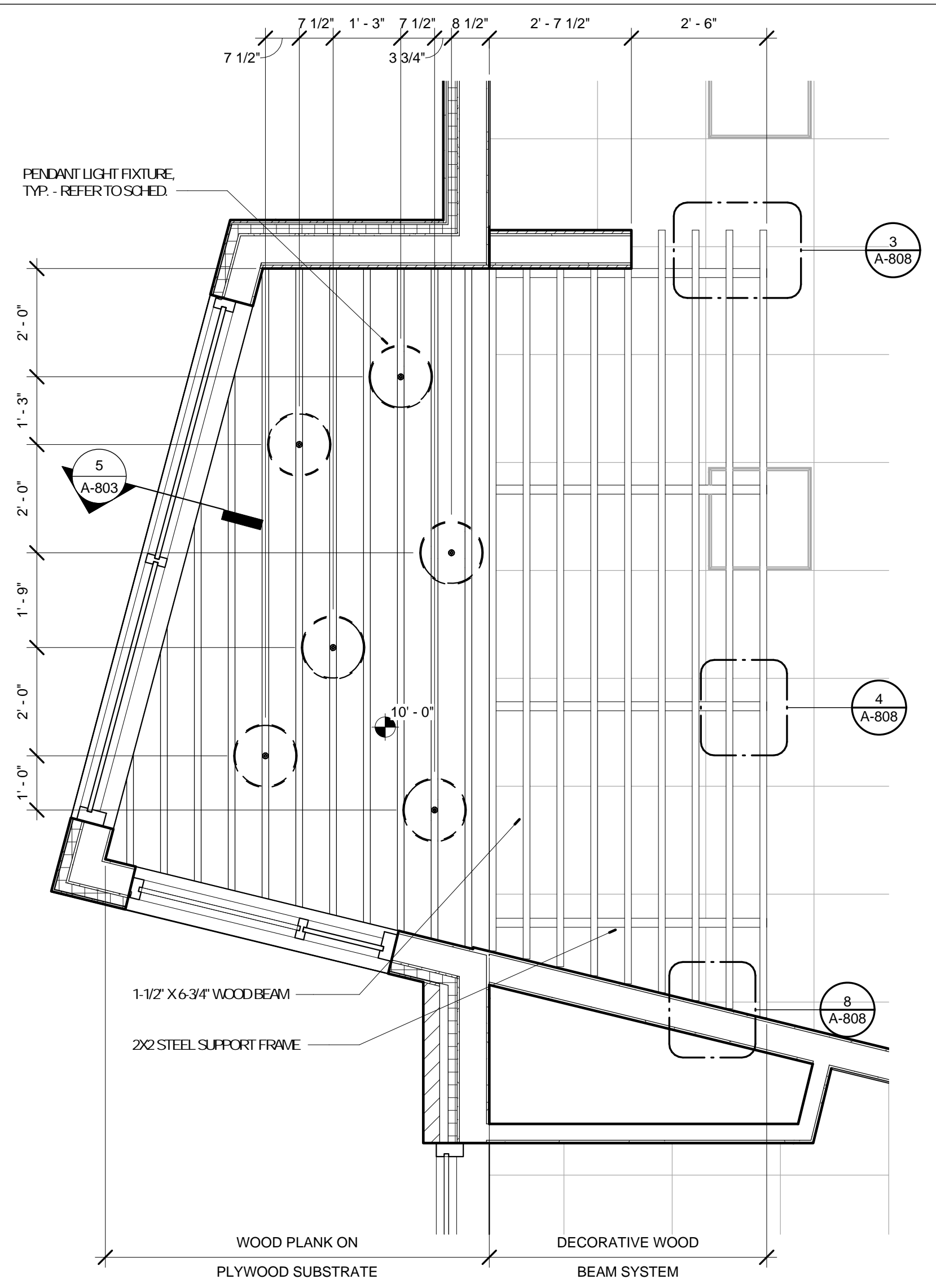
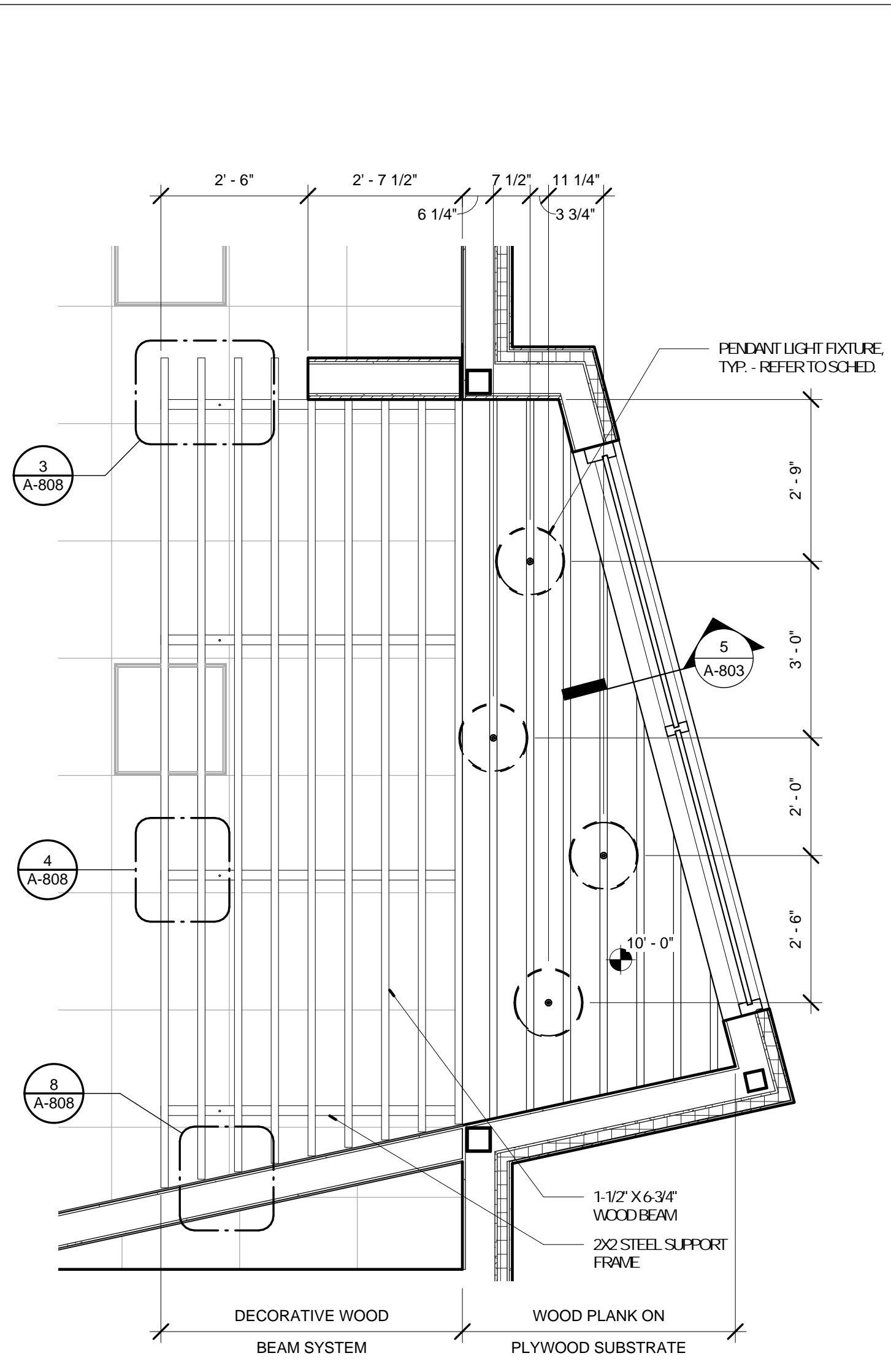
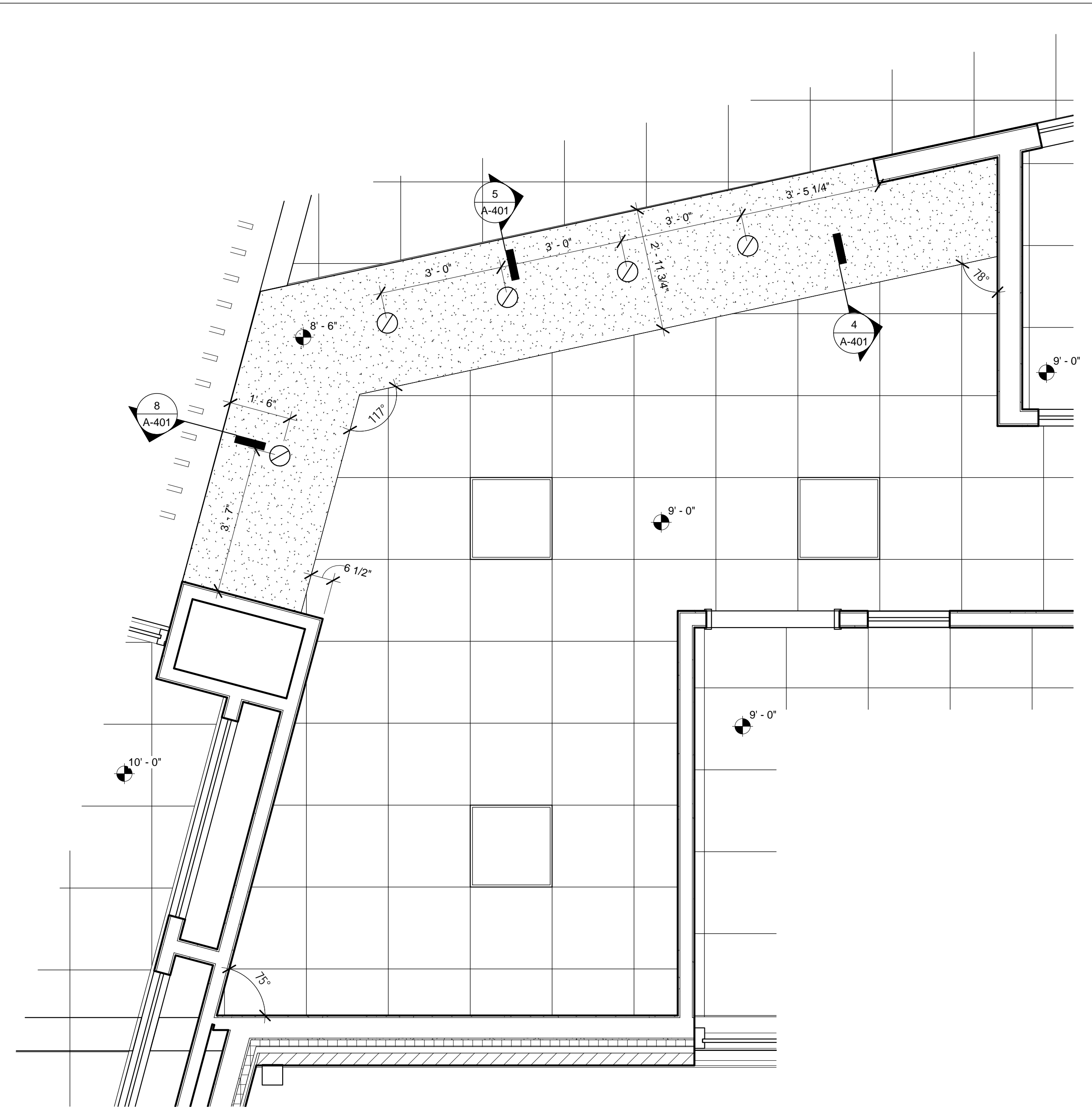


7 CEILING DETAIL
A-401 1 1/2" = 1'-0"



8 BULKHEAD DETAIL
A-401 1 1/2" = 1'-0"

No.	Date	Description
	04/14/17	ISSUED FOR BID



1 ENLARGED CEILING @ CIRCULATION DESK
1/2" = 1'-0"

5 ENLARGED CEILING @ ADULTS
1/2" = 1'-0"

6 ENLARGED CEILING @ COFFEE BAR
1/2" = 1'-0"

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH

PROJECT NUMBER: 16-1161.03

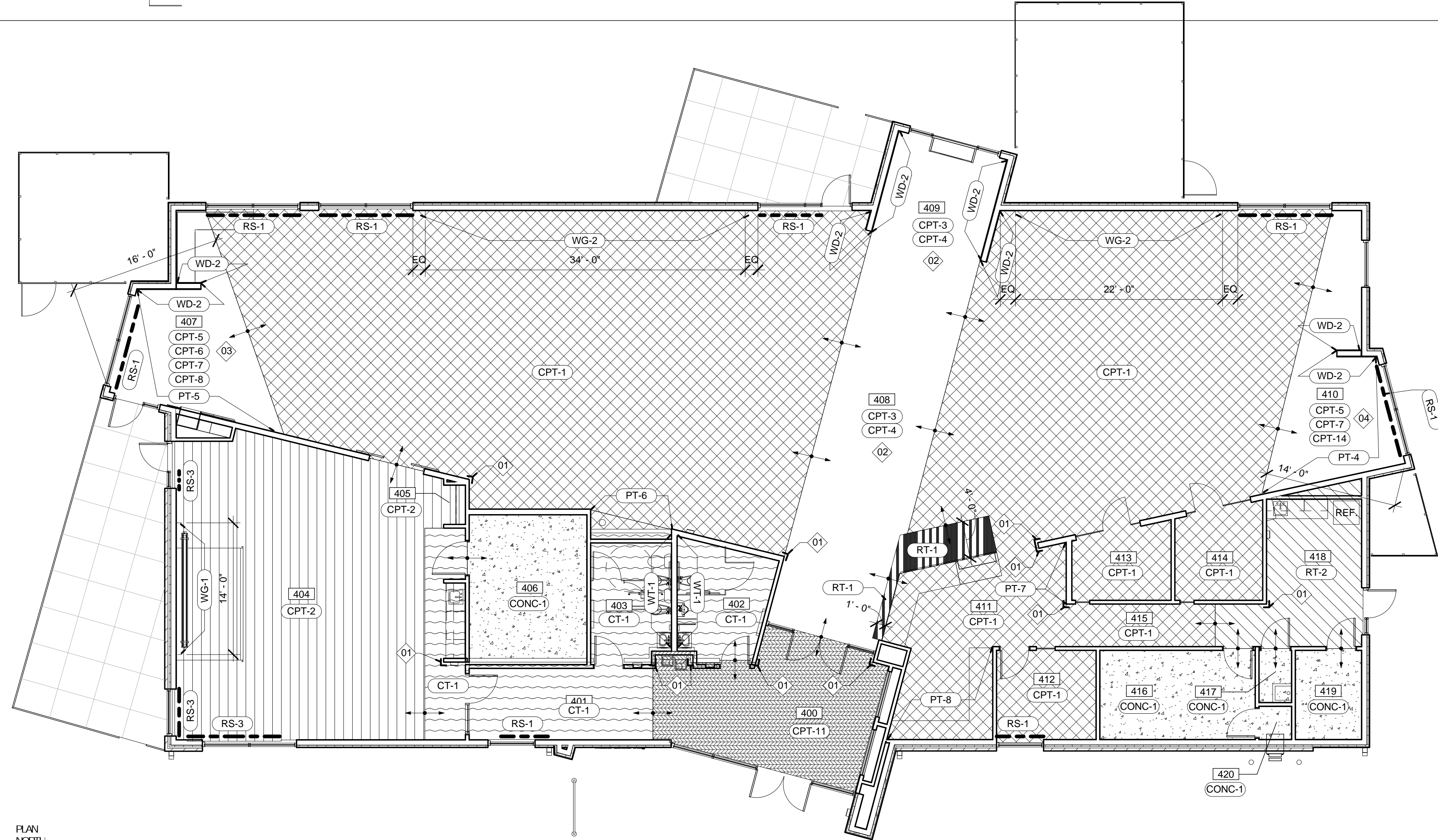
SHEET TITLE:
FINISH PLAN / LEGEND

A-501

GENERAL NOTES - FINISH PLAN
1. FINISH PLAN GENERAL NOTE

KEYED NOTES - FINISH PLAN

Keynote Number	Description
01	PROVIDE CORNER GUARD THIS LOCATION, SEE SPECS.
02	COMBINATION OF CPT-3 AND CPT-4 THIS AREA.
03	COMBINATION OF CPT-5, CPT-6, CPT-7 AND CPT-8 THIS AREA.
04	COMBINATION OF CPT-5, CPT-7 AND CPT-14 THIS AREA.



PLAN NORTH
1 FINISH PLAN
A-501 1/8" = 1'-0"

FINISH LEGEND

NOTE: NOT ALL FINISHES LISTED BELOW APPLY TO THIS BRANCH. REFER TO DRAWINGS FOR ALL FINISH LOCATIONS.

- CPT-1** DESC: MODULAR CARPET TILE (18X36)
MNF: TANDUS CENTIVA
STYLE: EVANESCE 04617
COLOR: SPACE GREY 73702
INSTALLATION: HERRINGBONE
SIZE: 18" X 36"
- CPT-2** DESC: MODULAR CARPET TILE (24X24)
MNF: TANDUS CENTIVA
STYLE: EVANESCE 04617
COLOR: SPACE GREY 73702
INSTALLATION: VERTICAL ASHLAR
SIZE: 24" X 24"
- CPT-3** DESC: MODULAR CARPET TILE (24X24)
MNF: TANDUS CENTIVA
3A STYLE: EVANESCE 04617
COLOR: OPEN OCEAN 73706
INSTALLATION: 1/4 TURN
SIZE: 24" X 24"
- CPT-4** DESC: MODULAR CARPET TILE (24X24)
MNF: TANDUS CENTIVA
3B STYLE: ROCK SQUID II
COLOR: BLUE GRANITE 20421
INSTALLATION: 1/4 TURN
SIZE: 24" X 24"
- CPT-5** DESC: MODULAR CARPET TILE (24X24)
MNF: SHAW CONTRACT GROUP
STYLE: VIVA
COLOR: GAZE 7853C
INSTALLATION: 1/4 TURN
SIZE: 24" X 24"
- CPT-6** DESC: MODULAR CARPET TILE (24X24)
MNF: SHAW CONTRACT GROUP
STYLE: COLORFORM
COLOR: IMAGINE 81375
INSTALLATION: 1/4 TURN
SIZE: 24" X 24"
- CPT-7** DESC: MODULAR CARPET TILE (24X24)
MNF: SHAW CONTRACT GROUP
STYLE: VIVA
COLOR: OVERLOOK 78436
INSTALLATION: 1/4 TURN
SIZE: 24" X 24"
- CPT-8** DESC: MODULAR CARPET TILE (24X24)
MNF: SHAW CONTRACT GROUP
STYLE: VIVA
COLOR: GIMPSE 7885E
INSTALLATION: 1/4 TURN
SIZE: 24" X 24"
- CPT-9** DESC: MODULAR CARPET TILE (24X24)
MNF: SHAW CONTRACT GROUP
STYLE: COLORFORM
COLOR: PUZZLE 81991
INSTALLATION: 1/4 TURN
SIZE: 24" X 24"
- CPT-10** DESC: MODULAR CARPET TILE (24X24)
MNF: SHAW CONTRACT GROUP
STYLE: VIVA
COLOR: SPACE 7850C
INSTALLATION: 1/4 TURN
SIZE: 24" X 24"
- CPT-11** DESC: MODULAR CARPET TILE (24X24)
MNF: TANDUS CENTIVA
STYLE: ABBESIVE ACTION 02578
COLOR: CHARCOAL 19100
INSTALLATION: MENDOUTH C
SIZE: 24" X 24"
- CPT-12** DESC: MODULAR CARPET TILE (24X24)
MNF: SHAW CONTRACT GROUP
STYLE: VIVA
COLOR: LANDSCAPE 78675
INSTALLATION: 1/4 TURN
SIZE: 24" X 24"
- CPT-13** DESC: MODULAR CARPET TILE (24X24)
MNF: SHAW CONTRACT GROUP
STYLE: VIVA
COLOR: EMBER 81870
INSTALLATION: 1/4 TURN
SIZE: 24" X 24"
- CPT-14** DESC: MODULAR CARPET TILE (24X24)
MNF: SHAW CONTRACT GROUP
STYLE: VIVA
COLOR: PLACE 7821C
INSTALLATION: 1/4 TURN
SIZE: 24" X 24"
- CT-1** DESCRIPTION: 6X24 PORCELAIN TILE
MNF: TRENDS IN TILE, EURO COLLECTION
STYLE: ERAMOSA, COLOR: SILVER
SIZE: 6" X 24" INSTALLATION: 1/3 OFFSET
GROUT: MAFPI 02 PEWTER OR LATICRETE 90 LIGHT PEWTER
- CONC-1** DESCRIPTION: SEALED CONCRETE
COLOR: CLEAR MATTE FINISH
- RT-1** DESCRIPTION: LUXURY VINYL TILE
MNF: SHAW HARD SURFACE
STYLE: GRAIN PIGMENT COLOR: GREEN 65326
LOCATION: CIRCULATION DESK FRONT
- RT-2** DESCRIPTION: LUXURY VINYL TILE
MNF: SHAW HARD SURFACE
STYLE: GRAIN PIGMENT COLOR: BONE 65515
LOCATION: BREAK ROOM
- TB-1** DESCRIPTION: 3X24 PORCELAIN TILE BASE
MNF: TRENDS IN TILE, EURO COLLECTION
STYLE: ERAMOSA, COLOR: SILVER
SIZE: 3" X 24" GROUT: MAFPI 02 PEWTER OR LATICRETE 90 LIGHT PEWTER
- RB-1** DESCRIPTION: 4" VINYL BASE
MNF: JOHNSONITE
STYLE: 4" STRAIGHT BASE COLOR: 63 BURNT UMBER
- FB-1A** DESCRIPTION: CHILDRENS CUSHION
MNF: ARC-COM STYLE AXIS
NUMBER: AC-61346, COLOR: CHILLI #7
- FB-1B** DESCRIPTION: CHILDRENS CUSHION
MNF: ARC-COM STYLE AXIS
NUMBER: AC-61345, COLOR: PUMPKIN #6
- FB-1C** DESCRIPTION: CHILDRENS CUSHION
MNF: ARC-COM STYLE AXIS
NUMBER: AC-61349, COLOR: LIME #10
- FB-1D** DESCRIPTION: CHILDRENS CUSHION
MNF: ARC-COM STYLE AXIS
NUMBER: AC-61340, COLOR: SEAGLASS #1
- FB-1E** DESCRIPTION: CHILDRENS CUSHION
MNF: ARC-COM STYLE AXIS
NUMBER: AC-61352, COLOR: OCEAN #13
- WT-1** DESCRIPTION: WALL TILE
MNF: ISC SURFACES ANATOLIA TILE
SERIES: SOHO, SIZE: 4" X 16"
COLOR: TAUPE GLOSSY
GROUT: MAFPI 02 PEWTER OR LATICRETE 90 LIGHT PEWTER
- WT-2** DESCRIPTION: 6X24 PORCELAIN TILE
MNF: TRENDS IN TILE, EURO COLLECTION
STYLE: ERAMOSA, COLOR: SILVER
SIZE: 6" X 24" INSTALLATION: SEE DETAILS
GROUT: MAFPI 02 PEWTER OR LATICRETE 90 LIGHT PEWTER
- WT-3** DESCRIPTION: WALL TILE - BULLNOSE
MNF: ISC SURFACES ANATOLIA TILE
SERIES: SOHO, SIZE: 4" X 8"
COLOR: TAUPE GLOSSY
GROUT: MAFPI 02 PEWTER OR LATICRETE 90 LIGHT PEWTER
LOCATION: RESTROOM MET WALLS @ PERIMETER EDGE
- GL-1** DESCRIPTION: 1" IG UNIT, LOW-E INSUL. GLASS
MNF: PPG, STYLE: SOLARBAN 60
COLOR: OPTIGRAY + CLEAR
- GL-2** DESCRIPTION: 1/4" CLEAR TEMPERED GLASS
- GL-3** DESCRIPTION: 1/2" CLEAR TEMPERED GLASS
- GL-4** DESCRIPTION: 1" IG UNIT, SPANDREL GLASS
MNF: PPG, STYLE: SOLARBAN 60 + OPACI COAT 300
COLOR: CLEAR + CLEAR GLASS, MEDIUM GRAY
SURFACE: MEDIUM GRAY, SURFACE #2
- ACT-1** DISC 2X2 ACOUSTICAL CEILING TILE
MNF: ARMSTRONG
STYLE: ULTIMA BEVELED REGULAR #1942
SIZE: 24" X 24" COLOR: WHITE
GRID 916"
- GB-1** DISC 1/2" GYPSUM BOARD
COLOR: PT-2
- WD-1** SPECIES: RED OAK
CUT: FLAT, SLICED VENEER
MATCH: SUIT-MATCH-EC
FINISH: MATCH-VT INDUSTRIES
CHOCOLATE, CH15
LOCATION: ALL INTERIOR DOORS
- WD-2** SPECIES: WHITE MAPLE
CUT: FLAT, SLICED VENEER
FINISH: CLEAR SATIN
LOCATION: CEILING AND WALLS
- PT-1** MNF: SHERWIN-WILLIAMS
COLOR: TBC
LOCATION: GENERAL WALL COLOR
- PT-2** MNF: SHERWIN-WILLIAMS
COLOR: TBC
LOCATION: GENERAL CLG. COLOR
- PT-3** MNF: SHERWIN-WILLIAMS
COLOR: TBC
LOCATION: DOOR FRAME COLOR
- PT-4** MNF: SHERWIN-WILLIAMS
COLOR: TBC
LOCATION: ACCENT PAINT TEENS
- PT-5** MNF: SHERWIN-WILLIAMS
COLOR: TBC
LOCATION: ACCENT PAINT CHILDRENS
- PT-6** MNF: SHERWIN-WILLIAMS
COLOR: TBC
LOCATION: ACCENT PAINT COFFEE
- PT-7** MNF: SHERWIN-WILLIAMS
COLOR: TBC
LOCATION: ACCENT PAINT CIRCULATION
- PT-8** MNF: SHERWIN-WILLIAMS
COLOR: TBC
LOCATION: ACCENT PAINT WORK ROOM
- PT-9** MNF: SHERWIN-WILLIAMS
COLOR: TBC
LOCATION: EXT. METAL DOORS
- RB-1** DESCRIPTION: 4" VINYL BASE
MNF: JOHNSONITE
SIZE: 4" HIGH STRAIGHT BASE
COLOR: 63 BURNT UMBER
- PL-1** MNF: FORMICA
COLOR: 5886-43 SORREL CHERRY
FINISH: ARTISAN
LOCATION: CIRCULATION DESK/
COFFEE/FIREPLACE VERTICAL SURFACES
- PL-2** MNF: LAMINART
COLOR: 305-VT
FINISH: VELA-TEX
LOCATION: WORK RM/MTG. RM/BREAK RM
VERTICAL SURFACES
- PL-3** MNF: FORMICA
COLOR: 961-58 FOG
FINISH: MATTE
LOCATION: WORK RM/BREAK RM TOPS
- PL-4** MNF: FORMICA
COLOR: M2178 BRUSHED STAINLESS STEEL
LOCATION: CIRCULATION DESK AND
FIREPLACE BASE
- PL-5** MNF: FORMICA
COLOR: STOP RED 839-58
FINISH: MATTE FINISH-
- PL-6** MNF: FORMICA
COLOR: VIBRANT GREEN 6901-58
FINISH: MATTE FINISH-
- PL-7** MNF: FORMICA
COLOR: SPECTRUM BLUE 851-AN
FINISH: INFINITI FINISH-
- SS-1** MNF: AVONITE
COLOR: NORBIC F1-919
LOCATION: CIRCULATION COUNTER INSET,
MTG. RM/COFFEE TOPS
- HW-1** MNF: DOUG MCKEITT & COMPANY, INC.
STYLE: DFM053 SERIES SQUARE FULL
COLOR: STAINLESS STEEL
SIZE: 6.27232 X 9.916 SQUARE FULL
- WG-1** DESCRIPTION: VINYL WALL GRAPHIC
MNF:
SIZE: SEE PLAN AND ELEVATION
- WG-2** DESCRIPTION: CUSTOM DIGITAL WALL IMAGE
MNF: ARC-COV
TYPE II VINYL, CUSTOM IMAGE TO BE DETERMINED.
SIZE: (1) 28'-0" WIDE BY 8'-0" TALL, BOT. AT 6'-0" AFF.
(1) 35'-0" WIDE BY 8'-0" TALL, BOT. AT 6'-0" AFF.
REP CONTACT: AFTEN ZURBUENE, 314-465-2257
AZURBUENE@ARC-CO.COM
- RS-1** DESCRIPTION: SINGLE MANUAL ROLLER SHADE
MNF: S&W CONTRACT
FABRIC COLOR: PEARL GRAY, SHEARWEAVE 236C
OPENNESS: 10%
- RS-2** DESCRIPTION: SINGLE MANUAL BLACK-OUT SHADE
MNF: S&W CONTRACT
OPENNESS: FULL BLACK-OUT, BLACK DUPLEX R6039
- RS-3** DESCRIPTION: DUAL MANUAL BLACK-OUT/FABRIC SHADE
MNF: S&W CONTRACT
FABRIC COLOR: PEARL GRAY, SHEARWEAVE 236C
OPENNESS: 10%
FULL BLACK-OUT, BLACK DUPLEX R6039

ROOM FINISH SCHEDULE - 1ST FLOOR

NUMBER	NAME	FLOORING		WALLS				CEILING FINISH	REMARKS
		FLOOR FINISH	BASE	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL		
400	VESTIBULE	CPT-11	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
401	CORRIDOR	CT-1	TB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
402	MENS	CT-1	TB-1	PT-1	PT-1	PT-1	WT-1	GB-1	NO TB-1 ON WET WALL, REF ELEVATION
403	WOMENS	CT-1	TB-1	PT-1	PT-1	WT-1	PT-1	GB-1	NO TB-1 ON WET WALL, REF ELEVATION
404	MEETING ROOM	CPT-2	RB-1	PT-1	PT-1	PT-1	PT-1WG-1	ACT-1	GB-1 SOFFIT AT COUNTER
405	COATS	CPT-2	RB-1	PT-1	PT-1	PT-1	N/A	GB-1	
406	STORAGE	CONC-1	RB-1	PT-1	PT-1	PT-1	PT-1	N/A	
407	CHILDREN AREA	CPT-5,6,7,8	RB-1	WD-2	PT-5	PT-5	PT-5	WD-2/ACT-1	ACT-1 ON UPPER CEILING
408	CIRCULATION	CPT-1	RB-1	PT-1WG-2	PT-1/PT-6	N/A	PT-1	ACT-1	
409	ADULT AREA	CPT-3, CPT-4	RB-1	PT-1	N/A	WD-2	WD-2	WD-2/ACT-1	ACT-1 ON UPPER CEILING
410	TEEN AREA	CPT-5,7,14	RB-1	WD-2	PT-4	PT-4	N/A	WD-2/ACT-1	ACT-1 ON UPPER CEILING
411	WORK ROOM	CPT-1	RB-1	PT-1	PT-8	PT-1/PT-7	PT-1	ACT-1	
412	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
413	STUDY	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
414	STUDY	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
415	CORRIDOR	CPT-1/RT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
416	STORAGE	CONC-1	RB-1	PT-1	PT-1	PT-1	PT-1	N/A	
417	JANITORS CLOSET	CONC-1	RB-1	PT-1	PT-1	PT-1	PT-1	N/A	
418	BREAK ROOM	RT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
419	MECH / ELEC	CONC-1	RB-1	PT-1	PT-1	PT-1	PT-1	N/A	
420	BOOK DROP	CONC-1	RB-1	PT-1	PT-1	PT-1	PT-1	N/A	

ROOM SCHEDULE

Number	Name
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH / ELEC
420	BOOK DROP

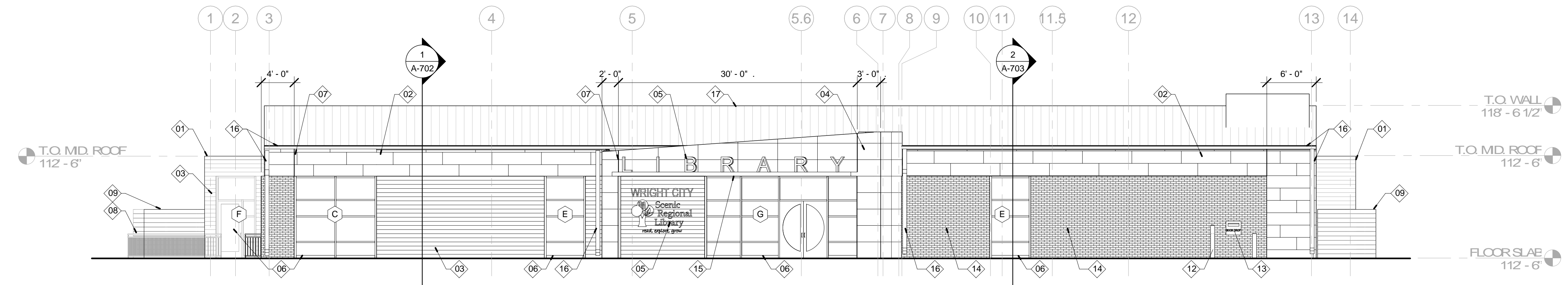
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH

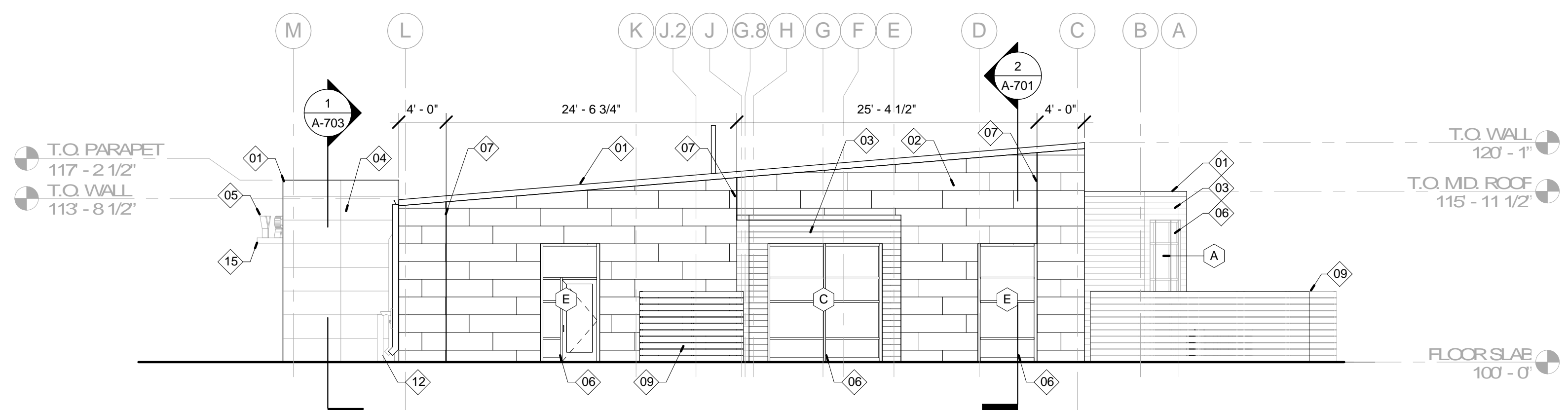
PROJECT NUMBER: 16-1161.03

SHEET TITLE:
 ELEVATIONS - EXTERIOR

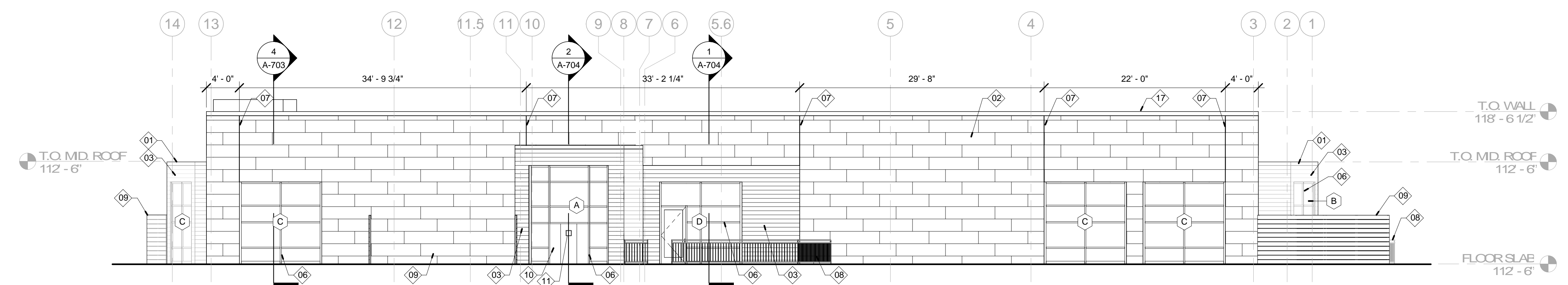
A-601



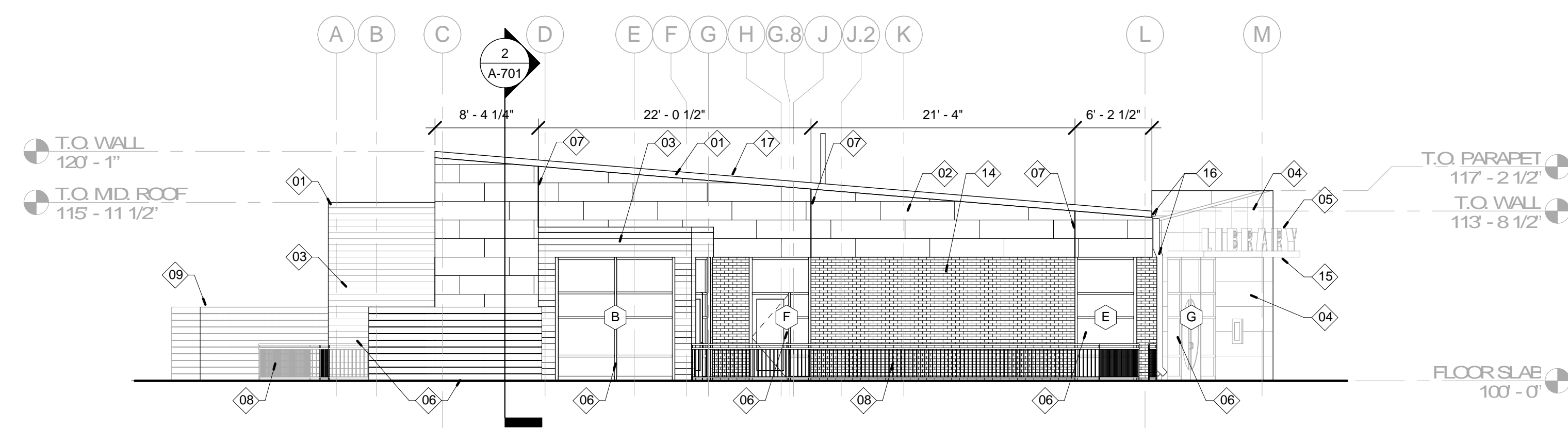
1 EAST ELEVATION
 1/8" = 1'-0"



2 NORTH ELEVATION
 1/8" = 1'-0"



3 WEST ELEVATION
 1/8" = 1'-0"



4 SOUTH ELEVATION
 1/8" = 1'-0"

KEYED NOTES - EXTERIOR ELEVATIONS1

01	PRE-FINISHED METAL COPING
02	HORIZONTAL CEMENT FIBER BOARD PANEL W/ 1/3 OFFSET LAYOUT - REFER TO SPECIFICATIONS
03	PRE-FINISHED EXTRUDED ALUMINUM SIDING - REFER TO SPECIFICATIONS
04	HORIZONTAL CEMENT FIBER BOARD PANEL W/ STACK BOND LAYOUT. VERTICAL SEAMS TO BE CONSTRUCTED SIM. TO VERT. CONTROL JOINTS - REFER TO SPECIFICATIONS
05	BUILDING SIGNAGE - REFER TO SPECS. FOR MORE INFORMATION
06	PRE-FINISHED ALUM. STOREFRONT - REFER TO SPECIFICATIONS FOR MORE INFORMATION
07	VERTICAL CONTR JOINT - REFER TO SPECIFICATIONS FOR MORE INFORMATION
08	PRE-FINISHED ALUM. FENCE - REFER TO SPECIFICATIONS
09	MECHANICAL SCREEN FENCING - REFER TO SPECIFICATIONS AND DETAILS
10	VERTICAL CEMENT FIBER BOARD PANEL LAYOUT - REFER TO SPECIFICATIONS
11	GAS FIREPLACE VENT CAP - REFER TO SPECIFICATIONS
12	TRAFFIC CONTROL BOLLARDS - REFER TO CIVIL DWGS. FOR MORE INFORMATION
13	THROUGH-WALL BOOK RETURN UNIT - REFER TO SPECIFICATIONS
14	3-5/8" BRICK VENEER - REFER TO SPECIFICATIONS
15	COMPOSITE METAL PANEL WRAPPED CANOPY - REFER TO SPECIFICATIONS
16	PRE-FINISHED METAL GUTTER & DOWNSPOUT, REFER TO CIVIL DRAWINGS.
17	PRE-FINISHED STANDING SEAM METAL ROOFING - REFER TO SPECIFICATIONS

SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390



ARCHITECT OF RECORD
JEMA
3006 LOCLIST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
EMAIL: SCLARK@JEMASIL.COM

DESIGN ARCHITECT
SAFF DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH FLEMING
SPRINGFIELD, MO 65804
T (417) 877-9800
F (417) 877-9896
CONTACT: JAMES STUFFLEBEAM
E STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COO-PAN
530AE INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VANLEER
T (636) 594-0540
F (636) 594-0512
EMAIL: DVANLEER@COO-PAN.COM

STRUCTURAL
ALPERAUDI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 433-9800
F (314) 807-2774
CONTACT: STEVE B-FRETT
EMAIL: STEVEB-FRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
ERIC PARTNERSHIP, LLC
343 S. KIRKWOOD ROAD, SUITE 204
KIRKWOOD, MO 63122
T (314) 725-8889
CONTACT: BRUCE COLEMAN
E BCCOLEMAN@ERICPARTNERSHIP.COM

ARCHITECT OF RECORD:

JCH-EDWARD MUELLER
MO ARCHITECTURAL LICENSE A2010039554
MO CERTIFICATE OF AUTHORITY A2014008303

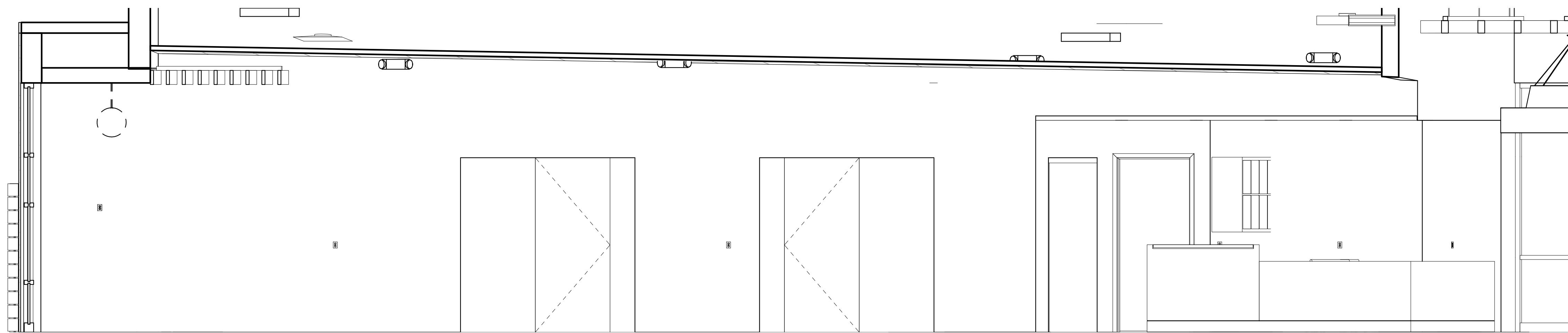
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH

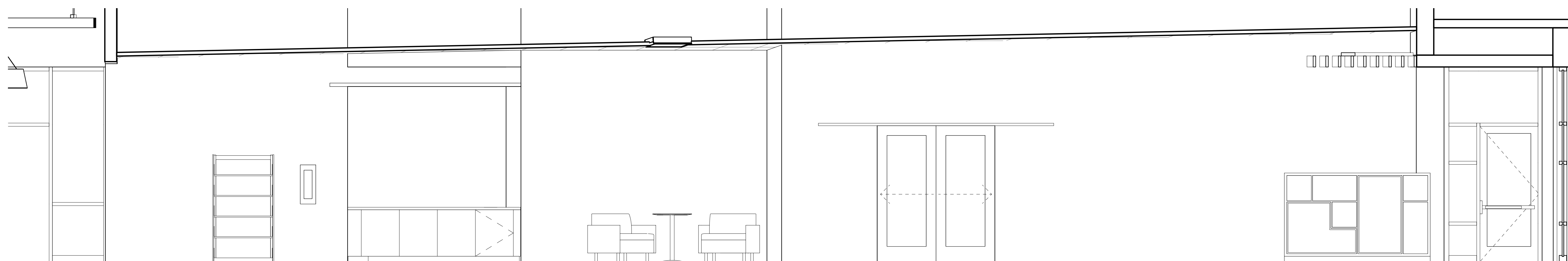
PROJECT NUMBER: 16-1161.03

SHEET TITLE:
ELEVATIONS - INTERIOR

A-602

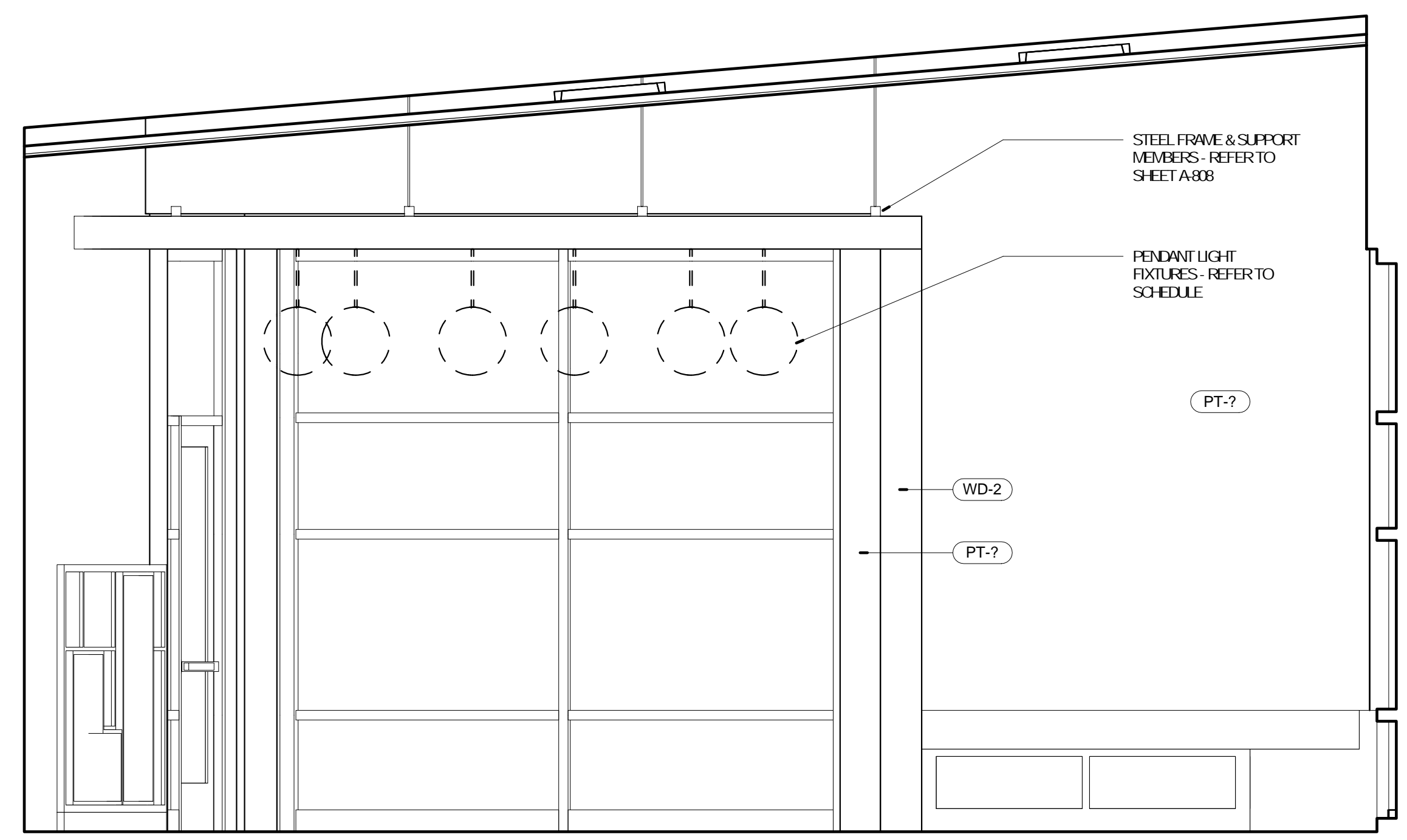


1 COLLECTION - STUDY ROOMS
A-602 3/8" = 1'-0"

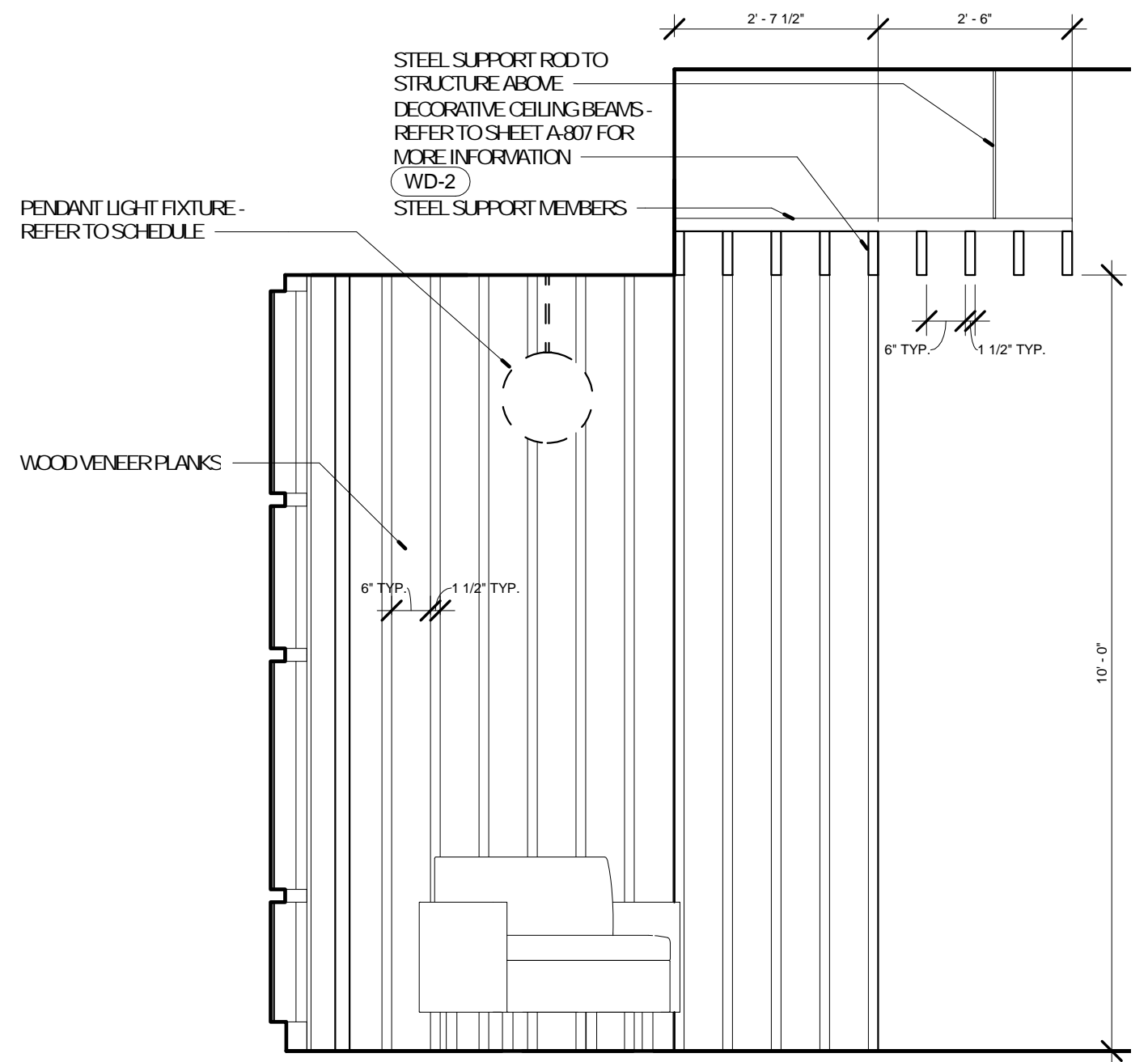


2 COLLECTION - CHILDREN
A-602 3/8" = 1'-0"

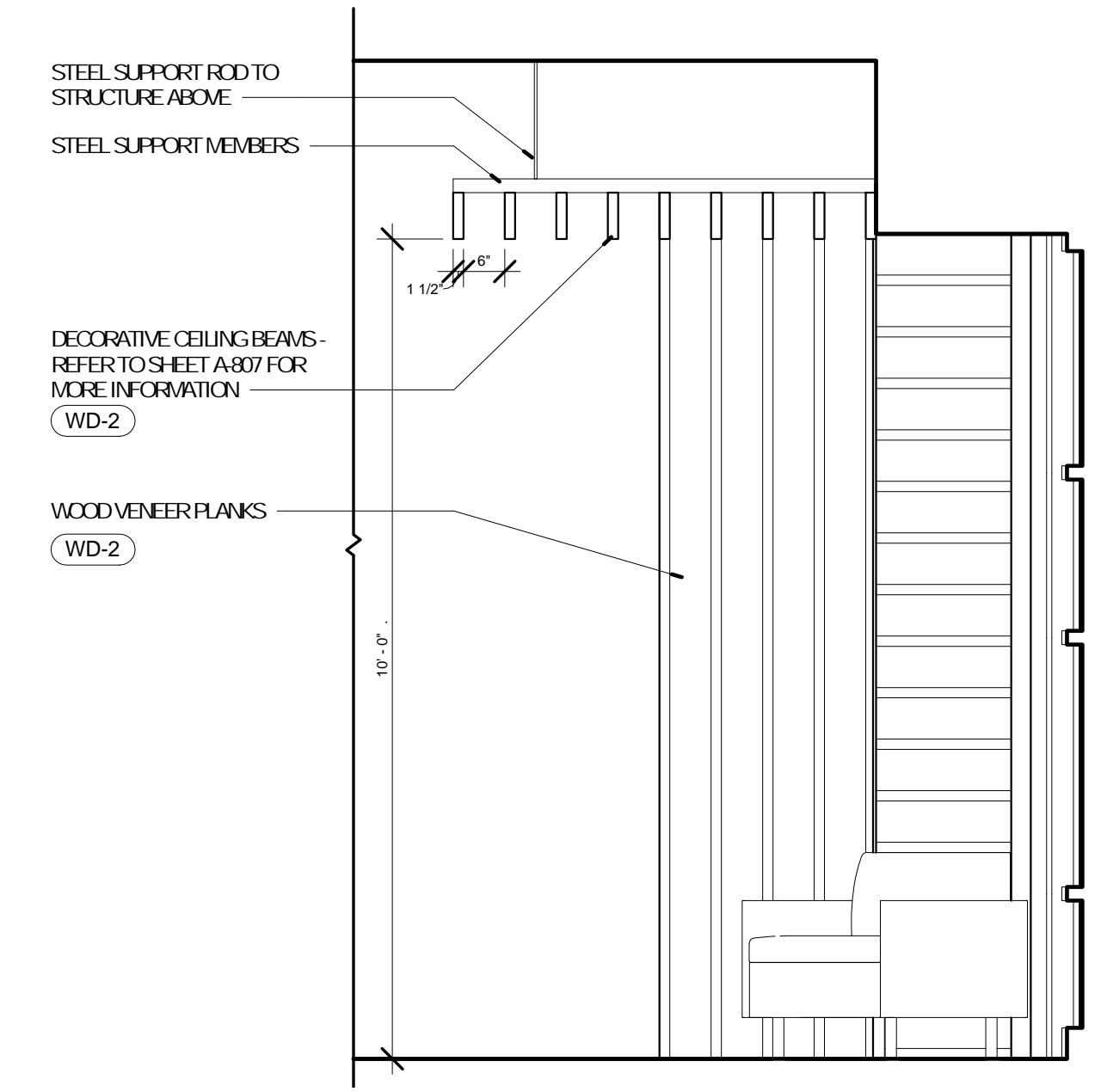
No.	Date	Description
	04/14/17	ISSUED FOR BID



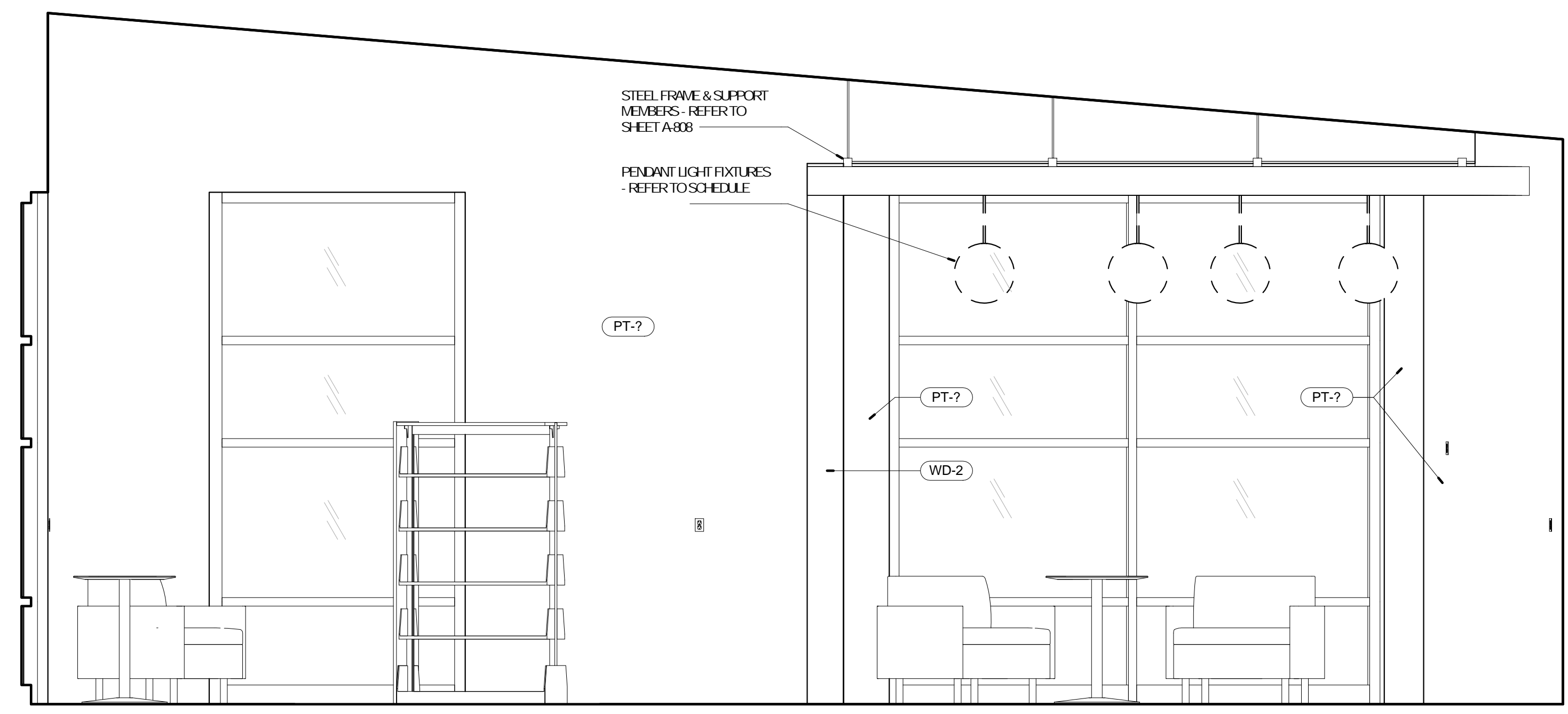
1 ELEVATION @ COLLECTION
A-603 1/2" = 1'-0"



3 ELEVATION @ CHILDREN
A-603 1/2" = 1'-0"



4 ELEVATION @ CHILDREN
A-603 1/2" = 1'-0"



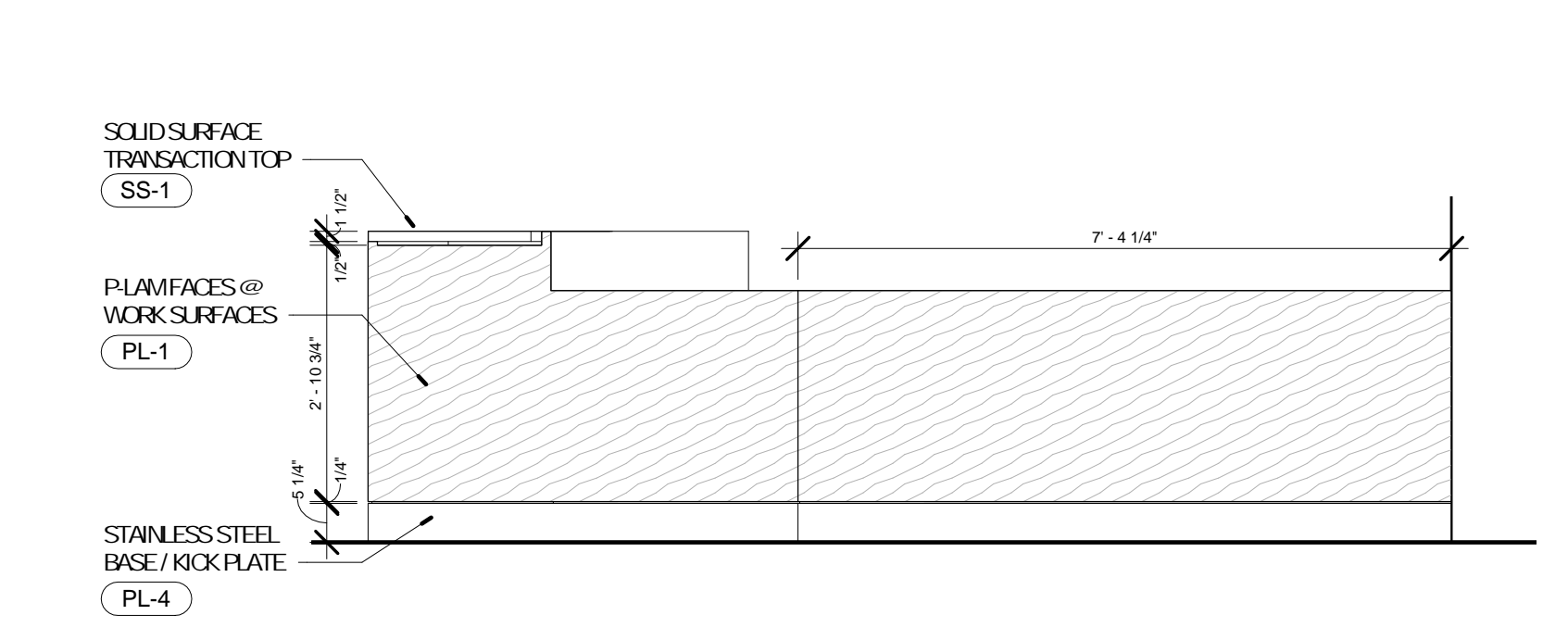
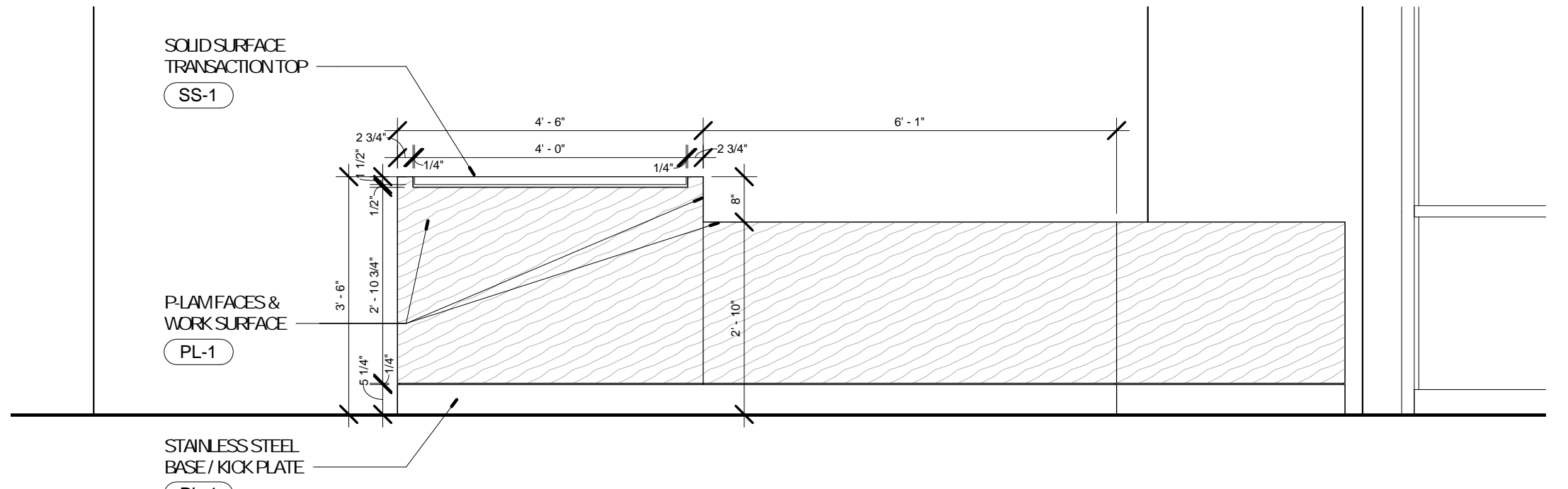
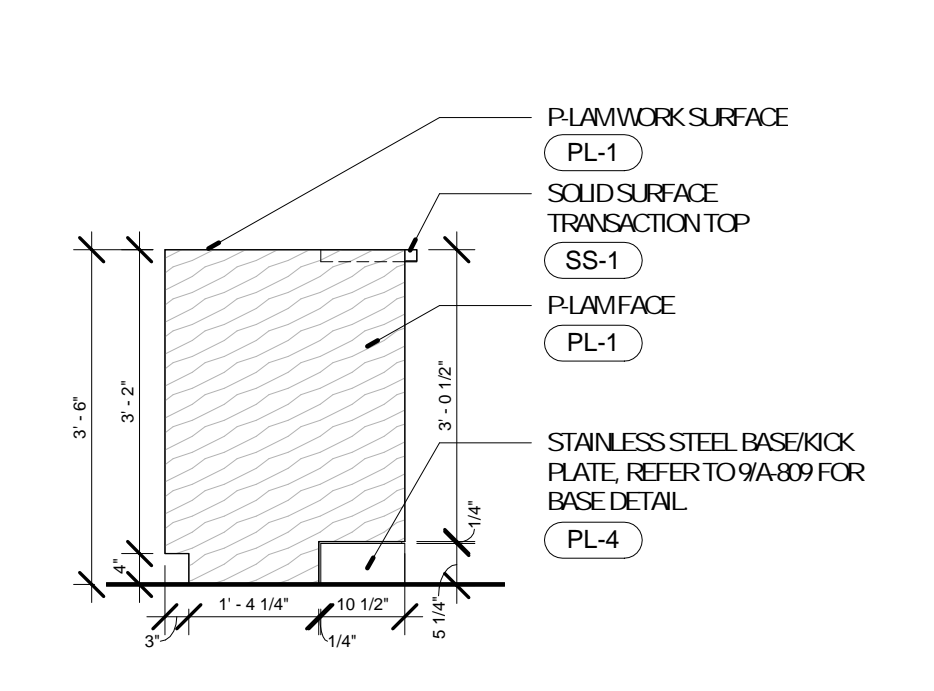
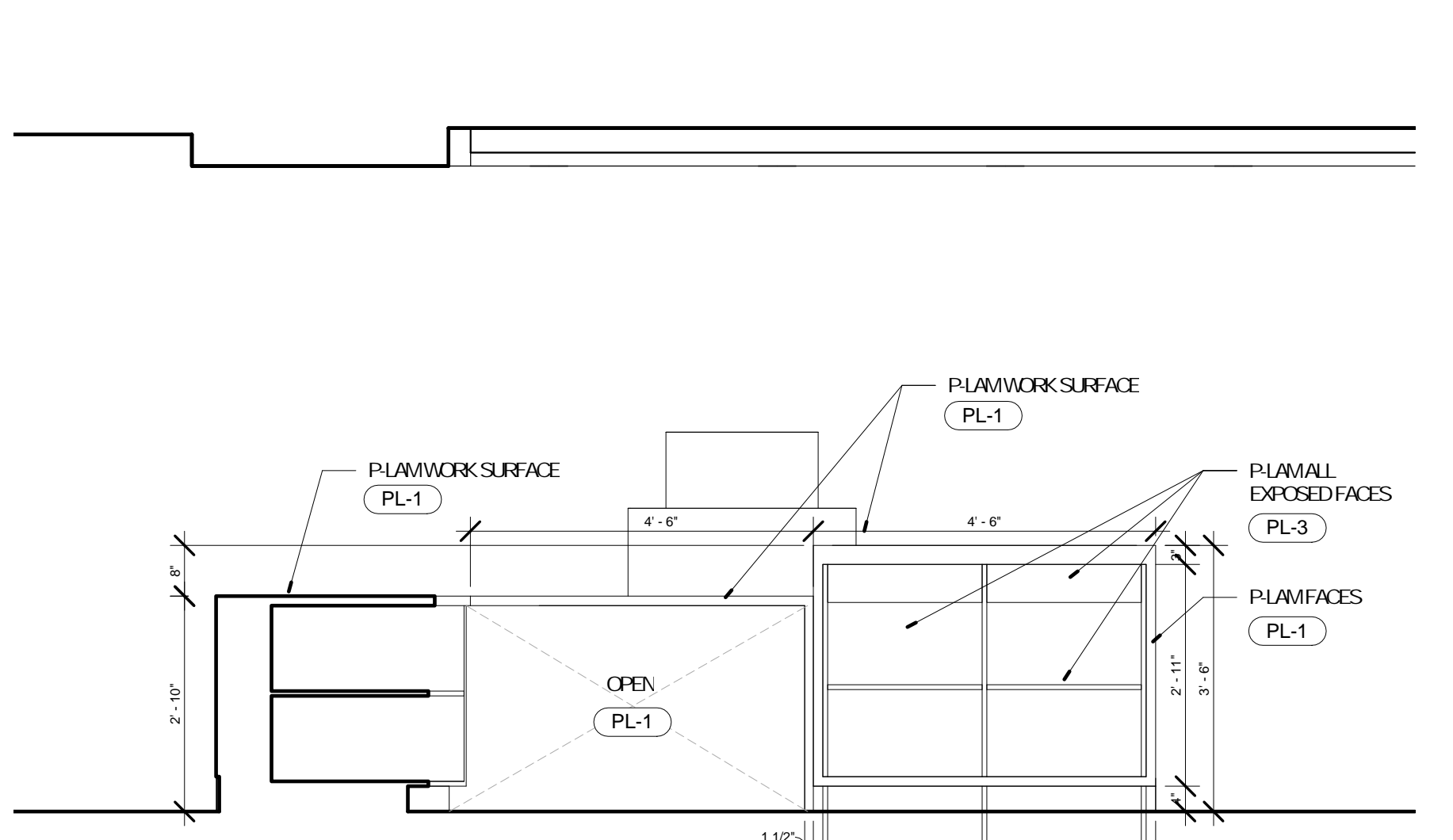
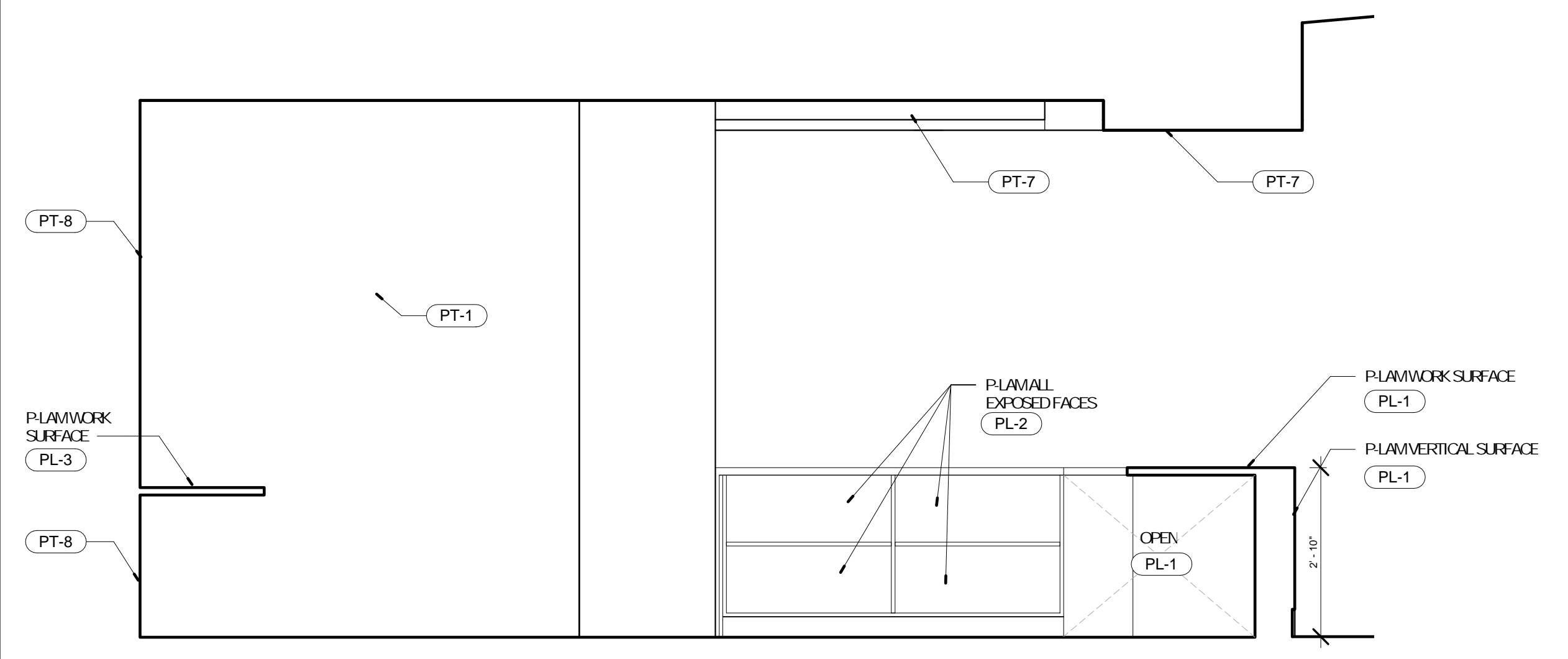
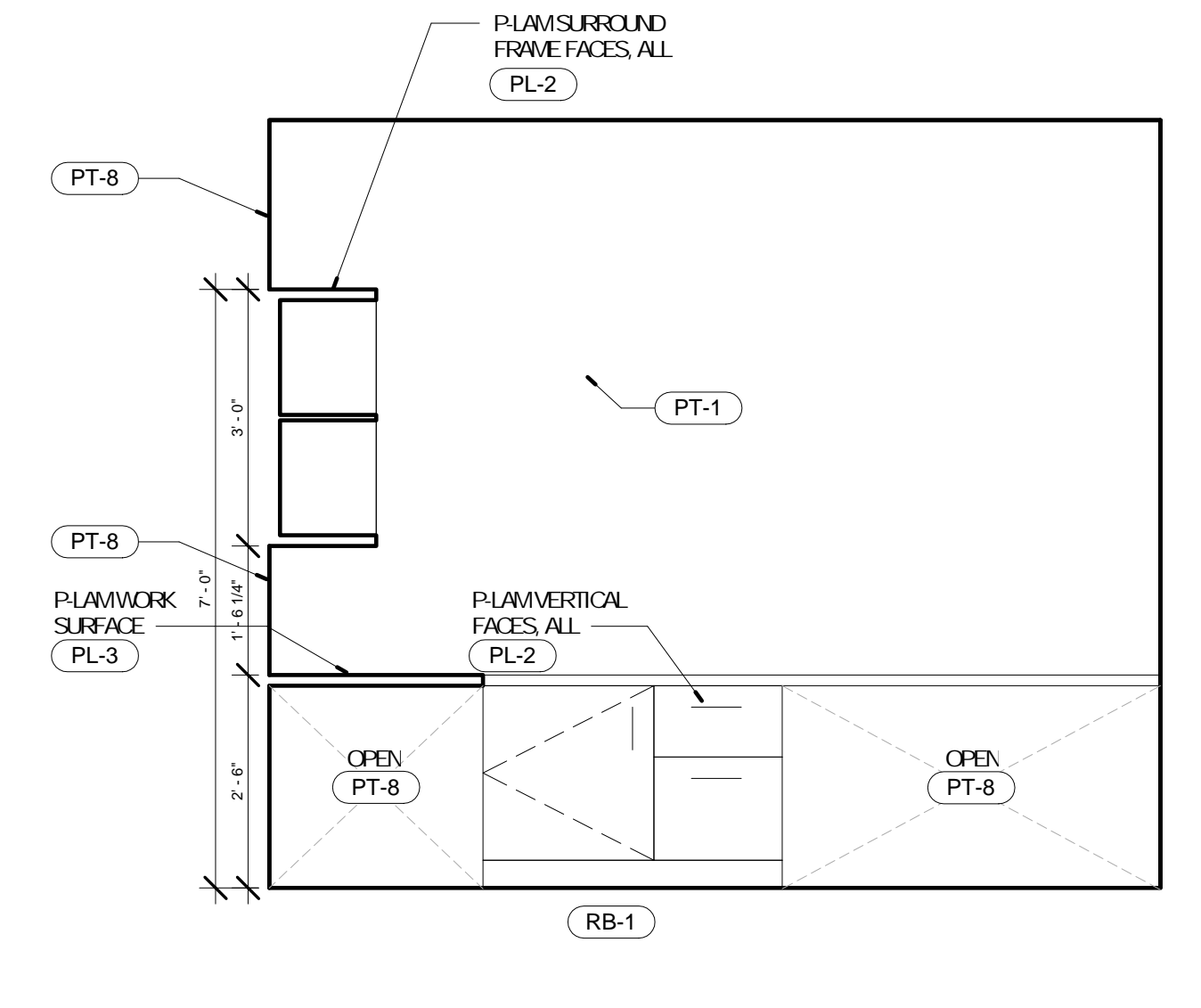
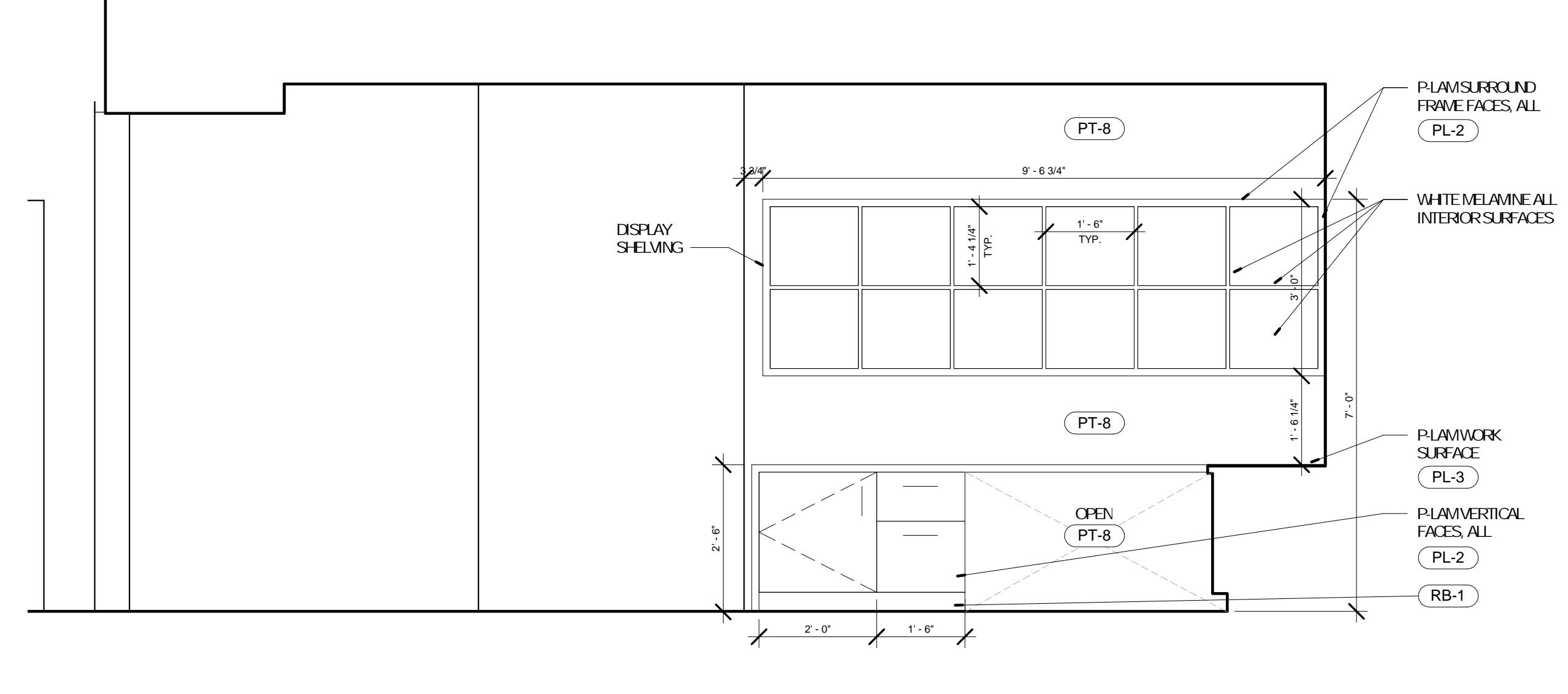
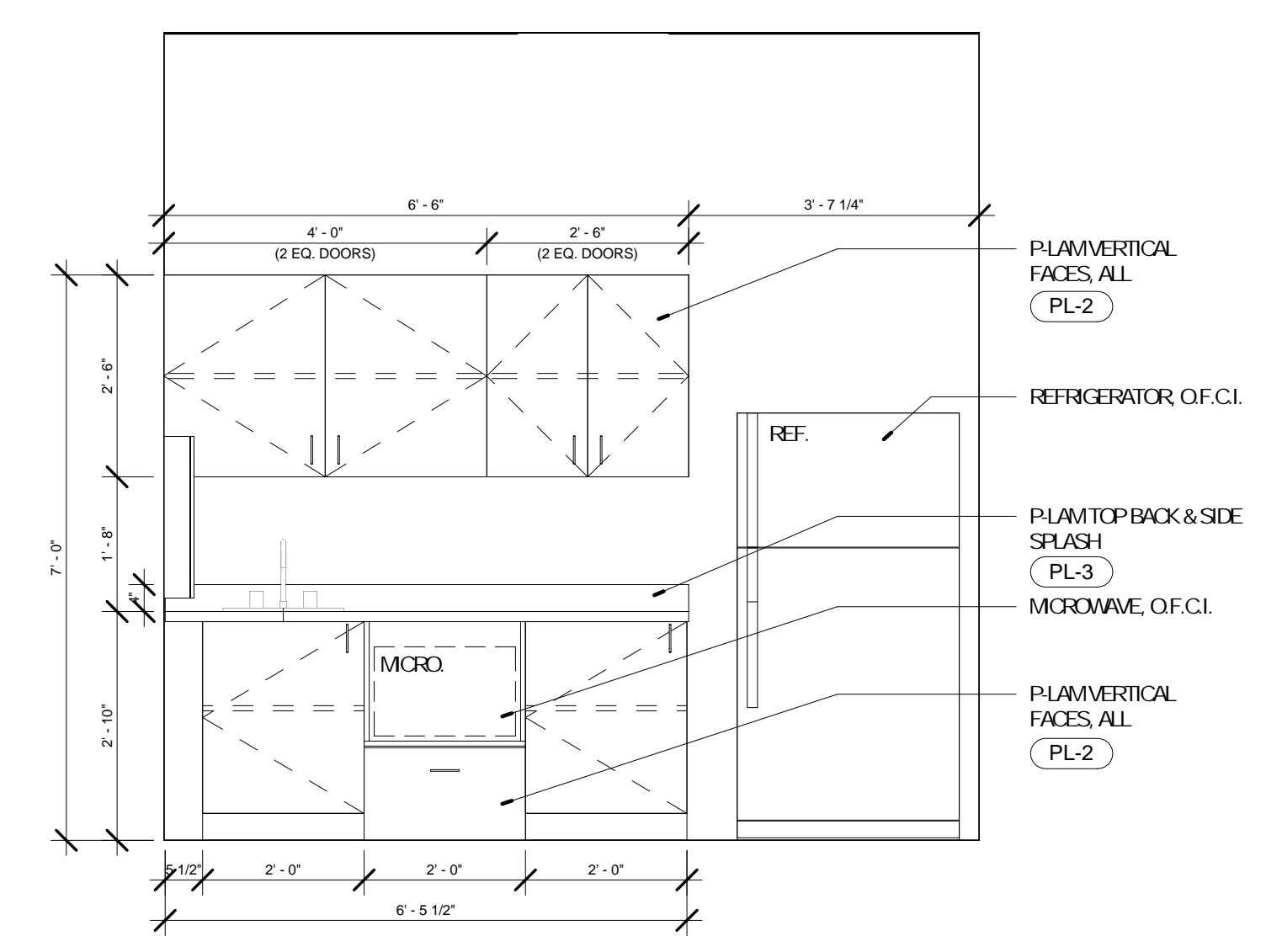
2 ELEVATION @ COLLECTION
A-603 1/2" = 1'-0"

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH
PROJECT NUMBER: 16-1161.03

SHEET TITLE:
ELEVATIONS - INTERIOR

A-604



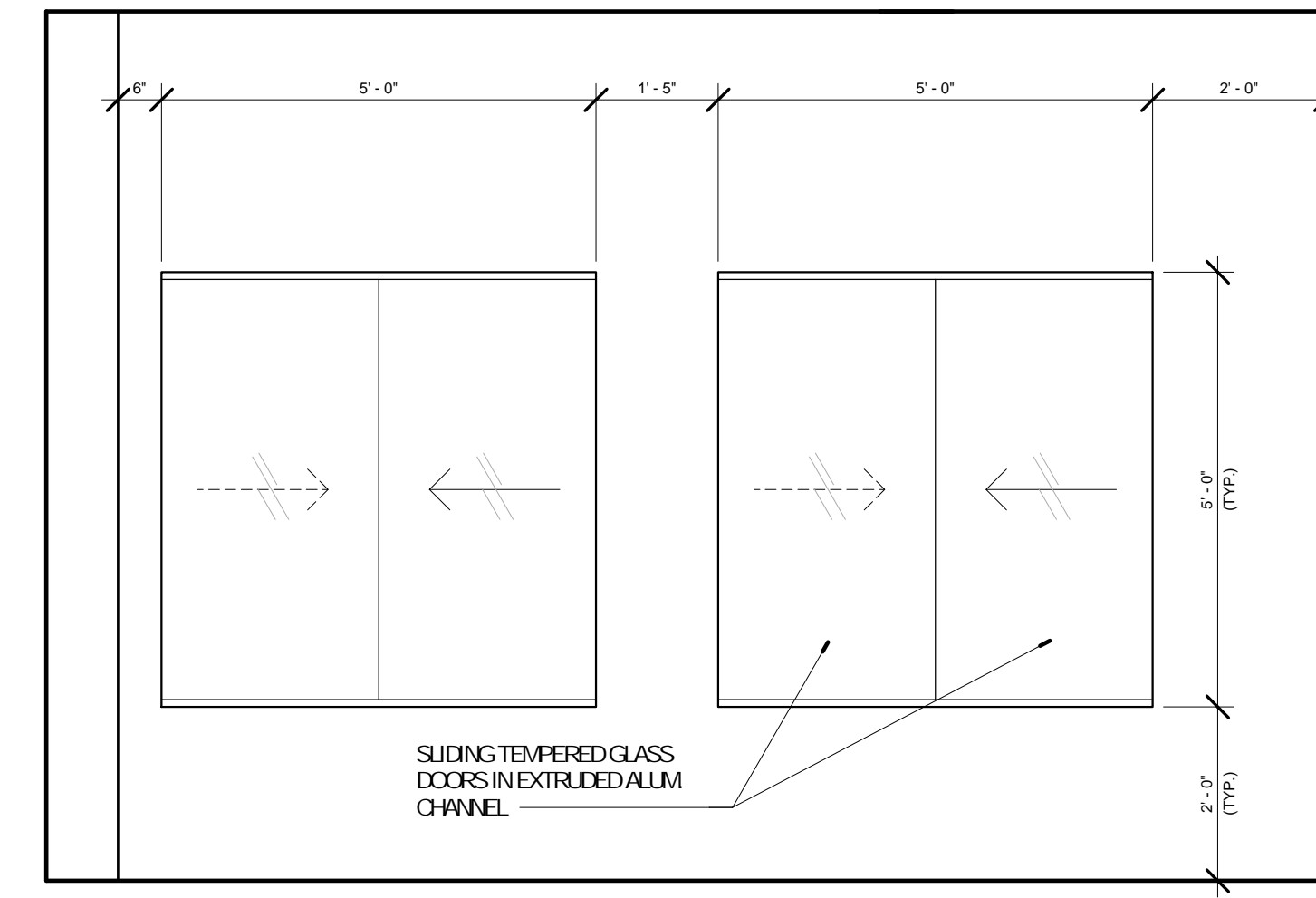
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH

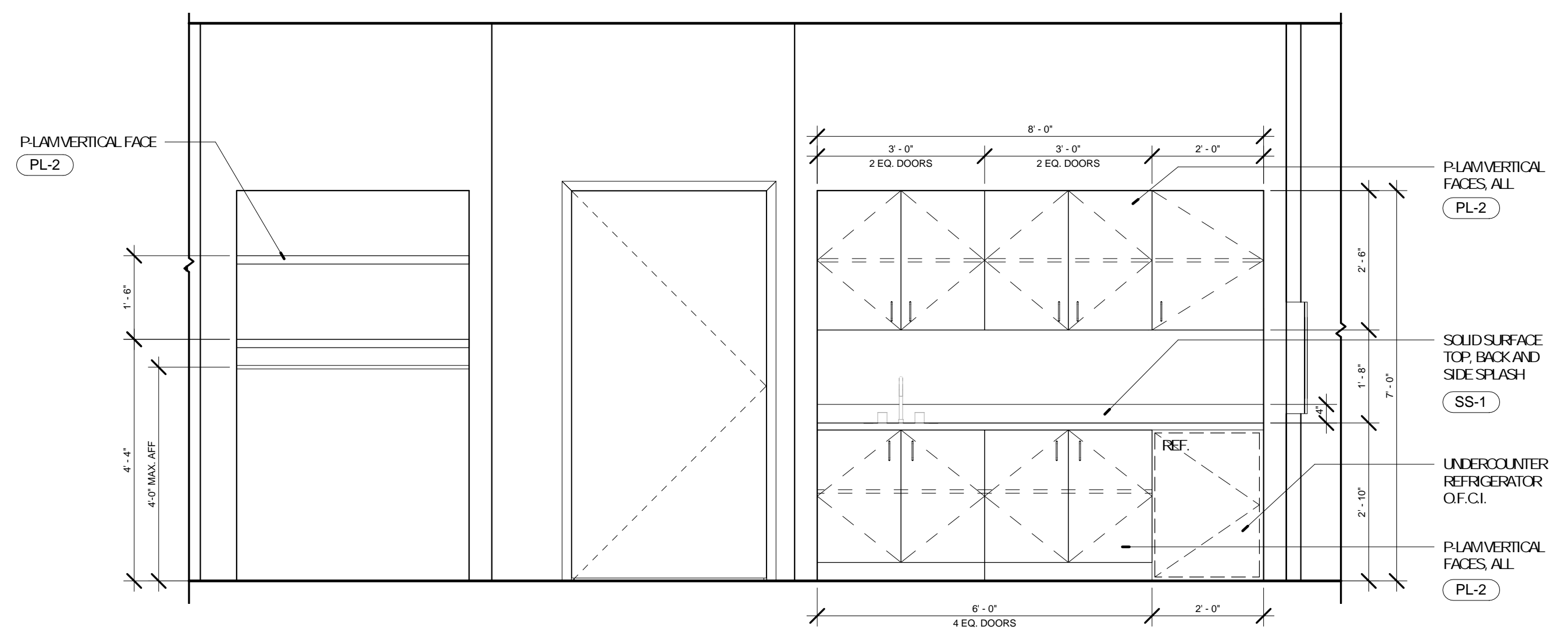
PROJECT NUMBER: 16-1161.03

SHEET TITLE:
ELEVATIONS - INTERIOR

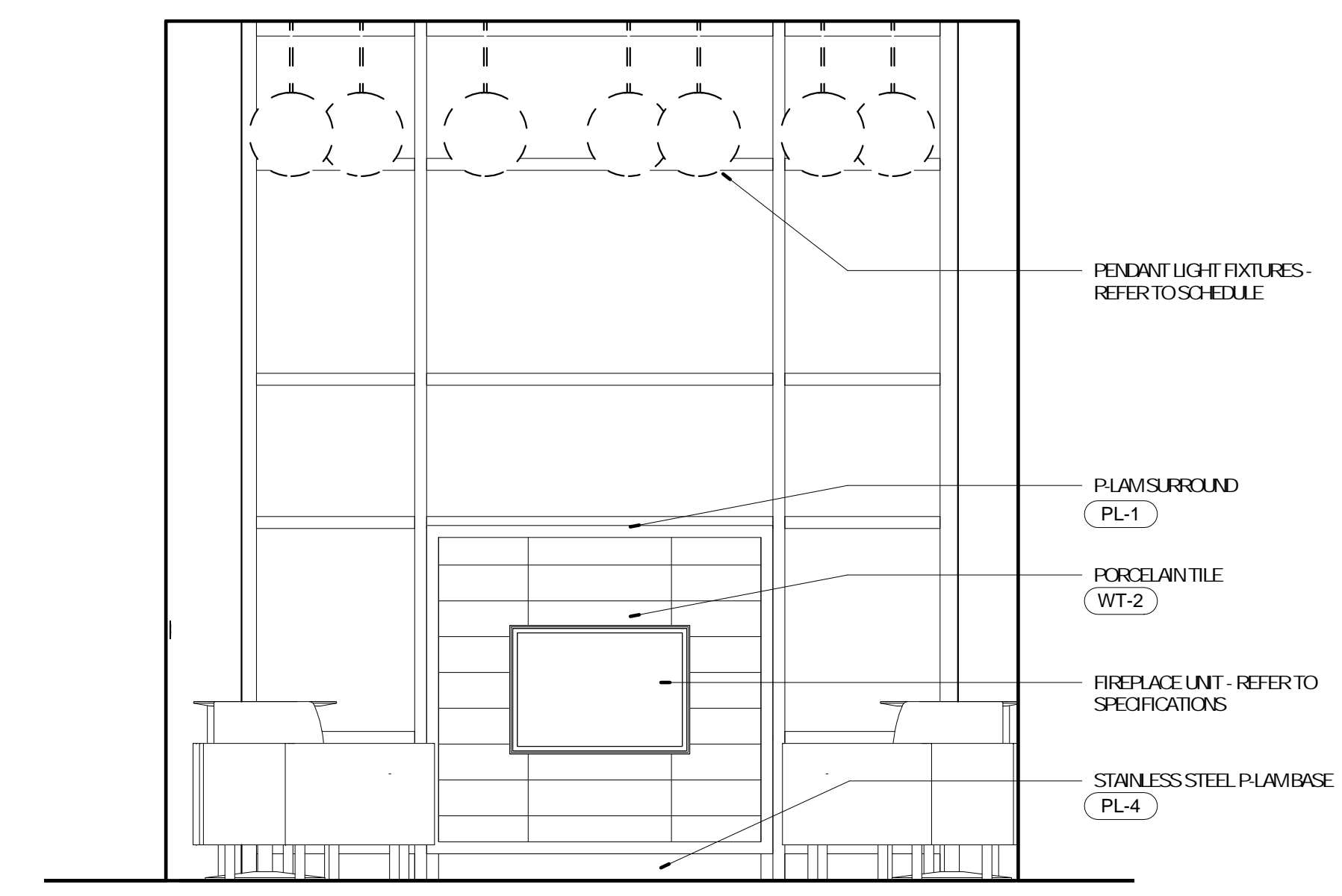
A-605



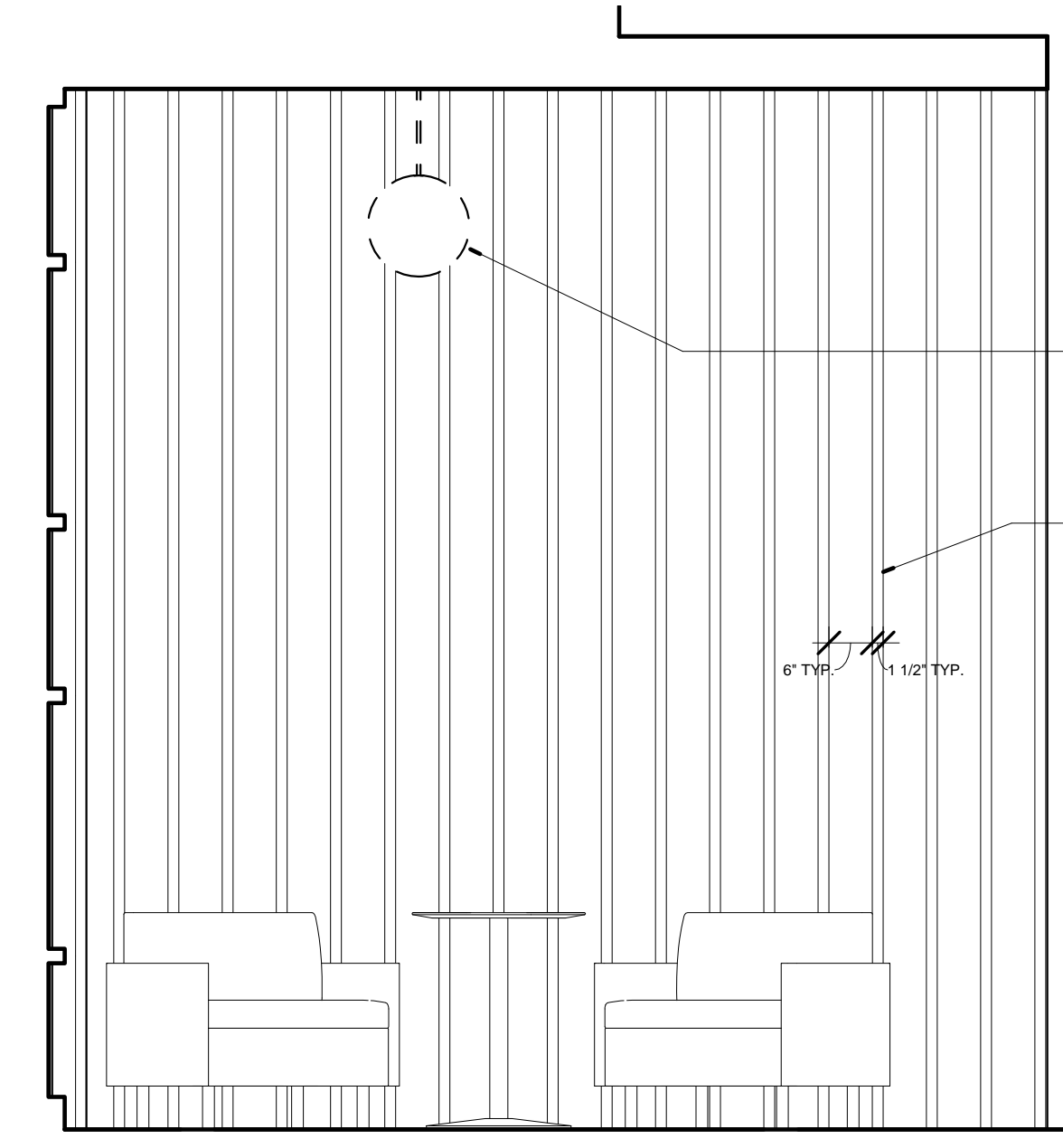
4 ELEVATION @ DISPLAY CABINET
A-605 1/2" = 1'-0"



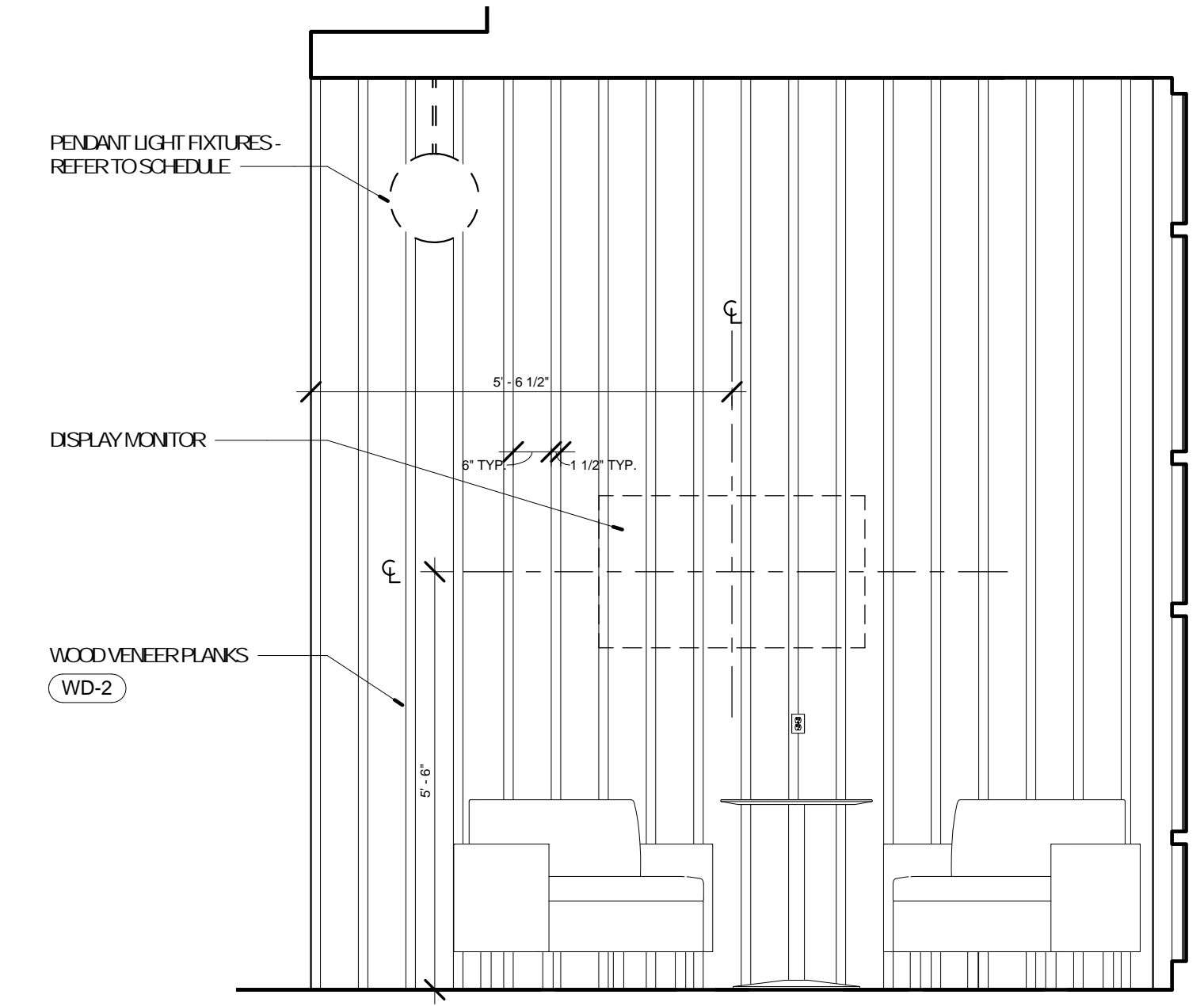
3 ELEVATION @ MEETING ROOM
A-605 1/2" = 1'-0"



5 ELEVATION @ FIREPLACE
A-605 1/2" = 1'-0"



2 ELEVATION @ ADULTS SIDE WALL
A-605 1/2" = 1'-0"



1 ELEVATION @ ADULTS SIDE WALL
A-605 1/2" = 1'-0"

SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390

ARCHITECT OF RECORD
JEMA
3006 LOCUST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
EMAIL: SCLARK@JEMASILA.COM

DESIGN ARCHITECT
SAFFI DESIGN ASSOCIATES ARCHITECTS
3750 SOLIHIFREMONT
SPRINGFIELD, MO 65804
T (417) 877-9800
F (417) 877-9896
CONTACT: JAMES STUFFLEBAM
E STUFFLEBAM@SDAARCHITECTS.COM

CIVIL
COO-PAN
530AE INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VANLEER
T (636) 594-0540
F (636) 594-0512
EMAIL: DVANLEER@COO-PAN.COM

STRUCTURAL
ALPERAULI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 432-9800
F (314) 807-2774
CONTACT: STEVE B-FRETT
EMAIL: STEVEB-FRETT@ALPERAULI.COM

MECHANICAL, ELECTRICAL, PLUMBING
ERIC PARTNERSHIP, LLC
343 S. KIRKWOOD ROAD, SUITE 204
KIRKWOOD, MO 63122
T (314) 725-9889
CONTACT: BRUCE COLEMAN
E BCCOLEMAN@ERICPARTNERSHIP.COM

ARCHITECT OF RECORD:

JCH-NEDWARD MUELLER
MO ARCHITECTURAL LICENSE A2010039554
MO CERTIFICATE OF AUTHORITY A2014008300

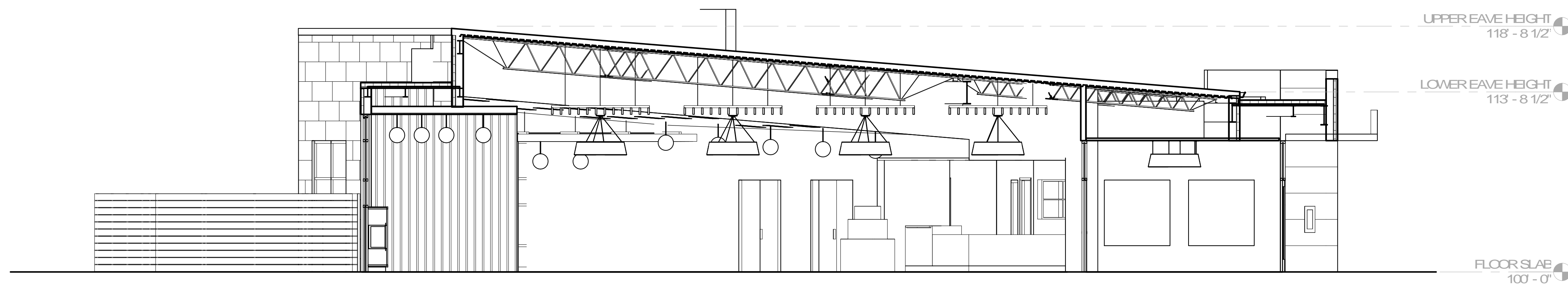
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **SC/SH**

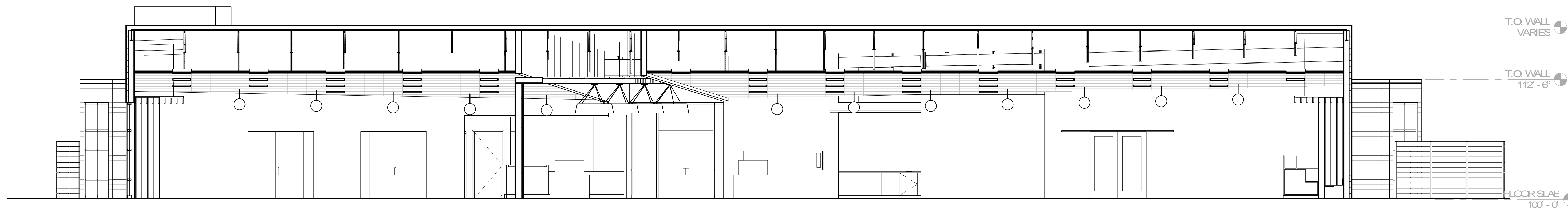
PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
BUILDING SECTIONS & BIRDS EYE SECTION VIEW

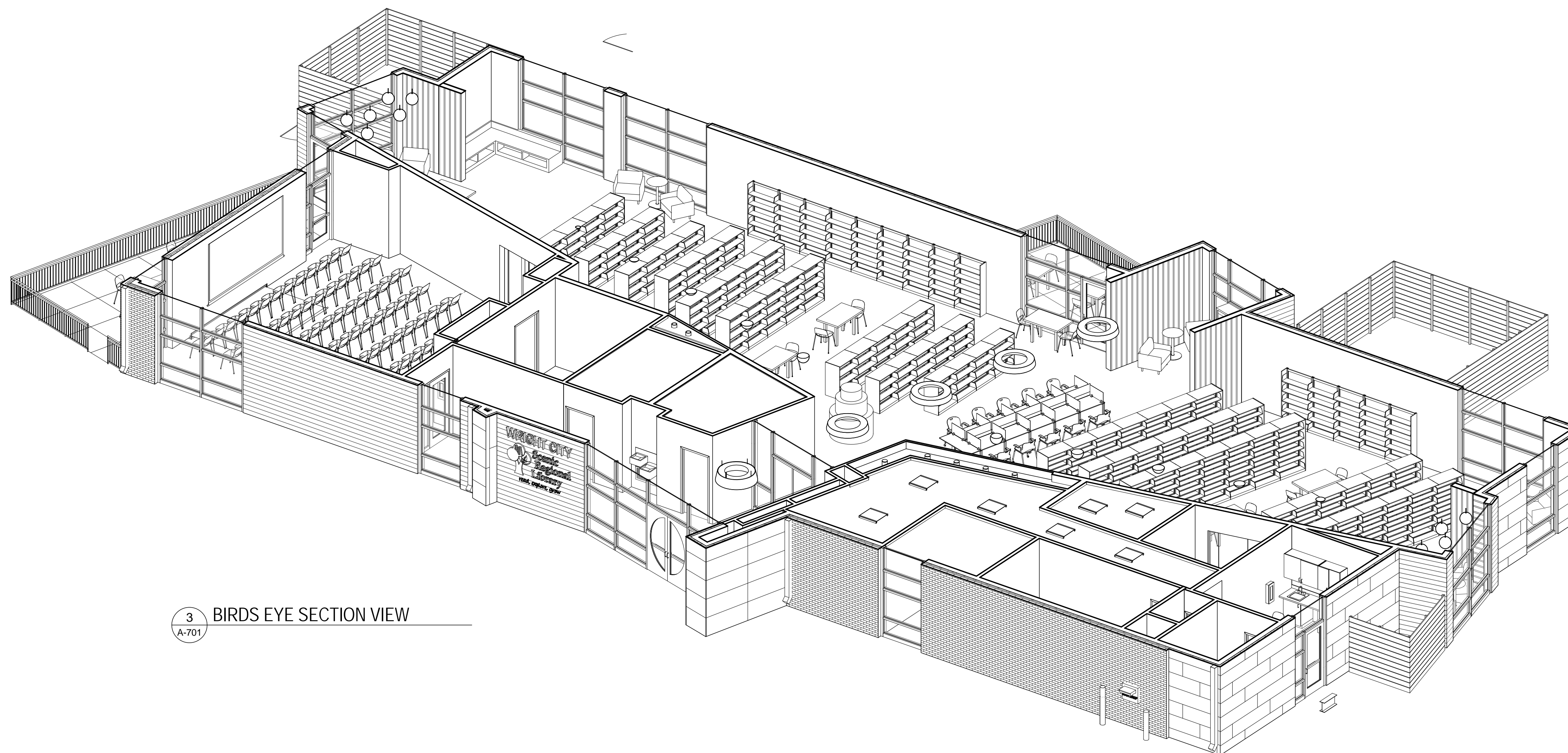
A-701



1 BUILDING CROSS SECTION
A-701 / 3/16" = 1'-0"



2 BUILDING CROSS SECTION
A-701 / 3/16" = 1'-0"



3 BIRDS EYE SECTION VIEW
A-701

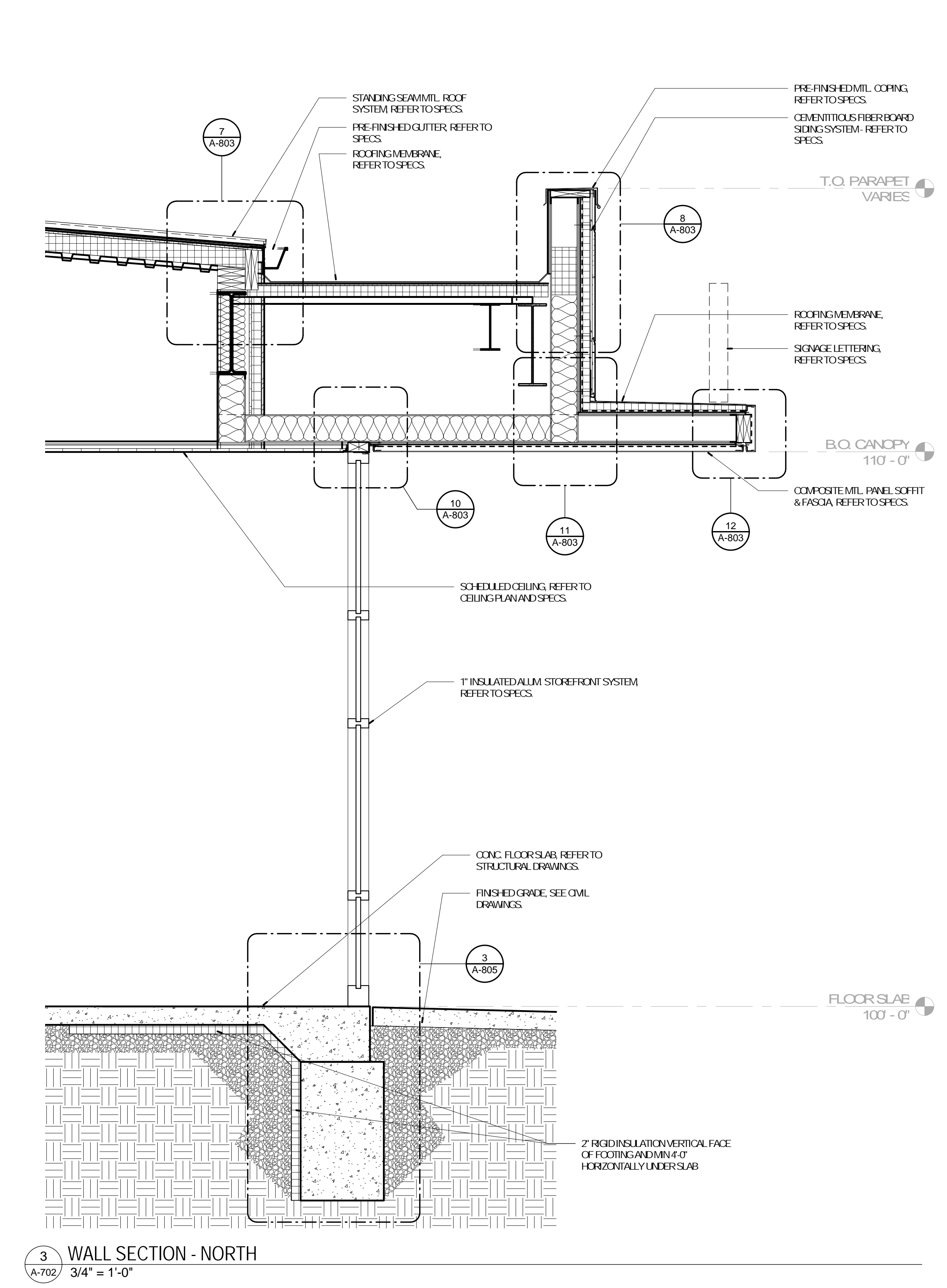
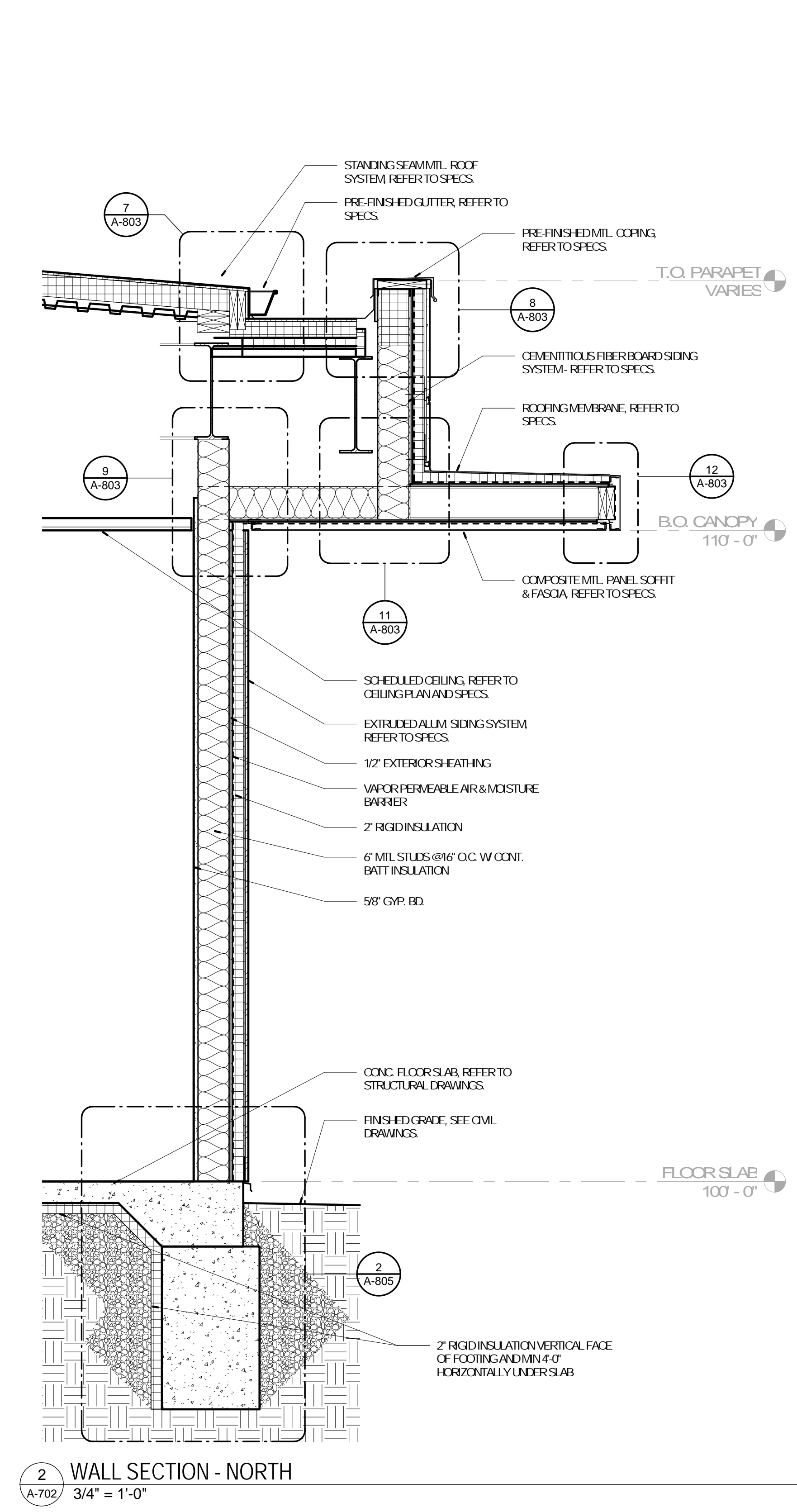
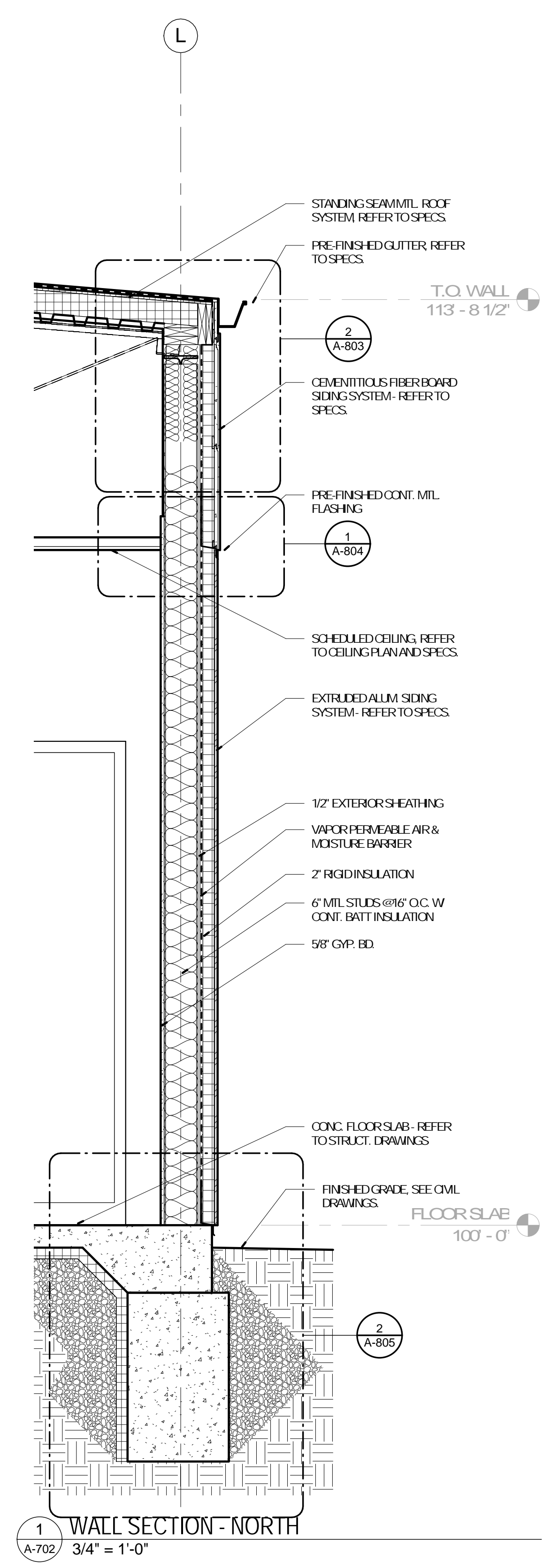
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH

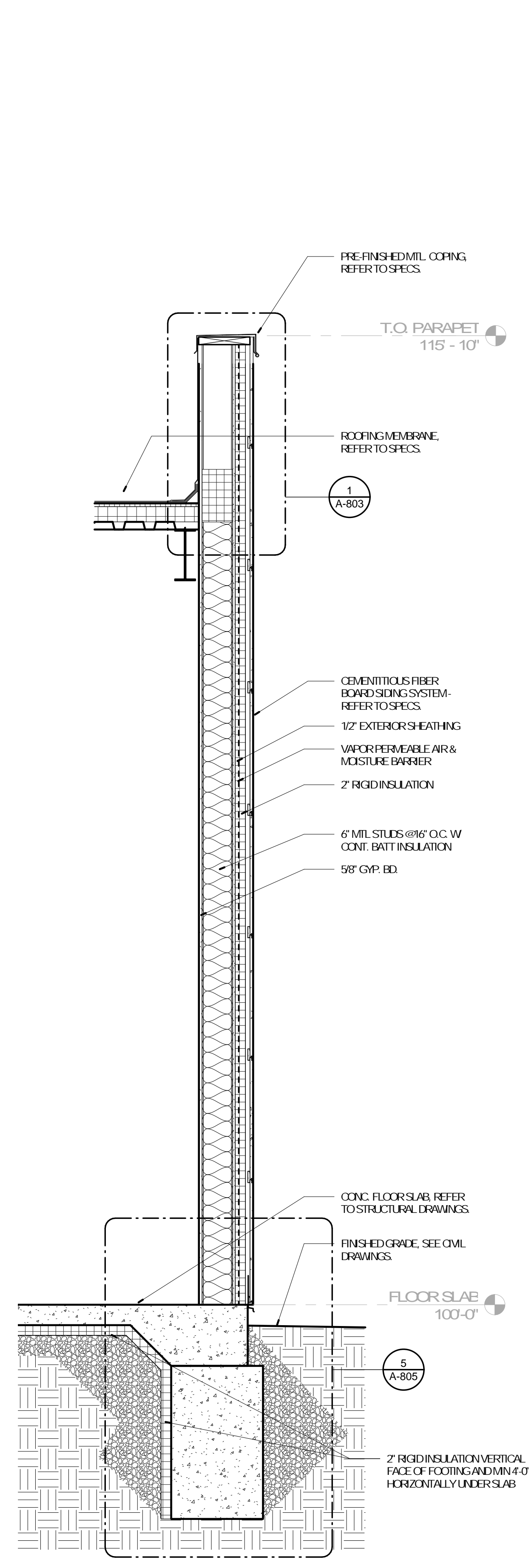
PROJECT NUMBER: 16-1161.03

SHEET TITLE:
WALL SECTIONS

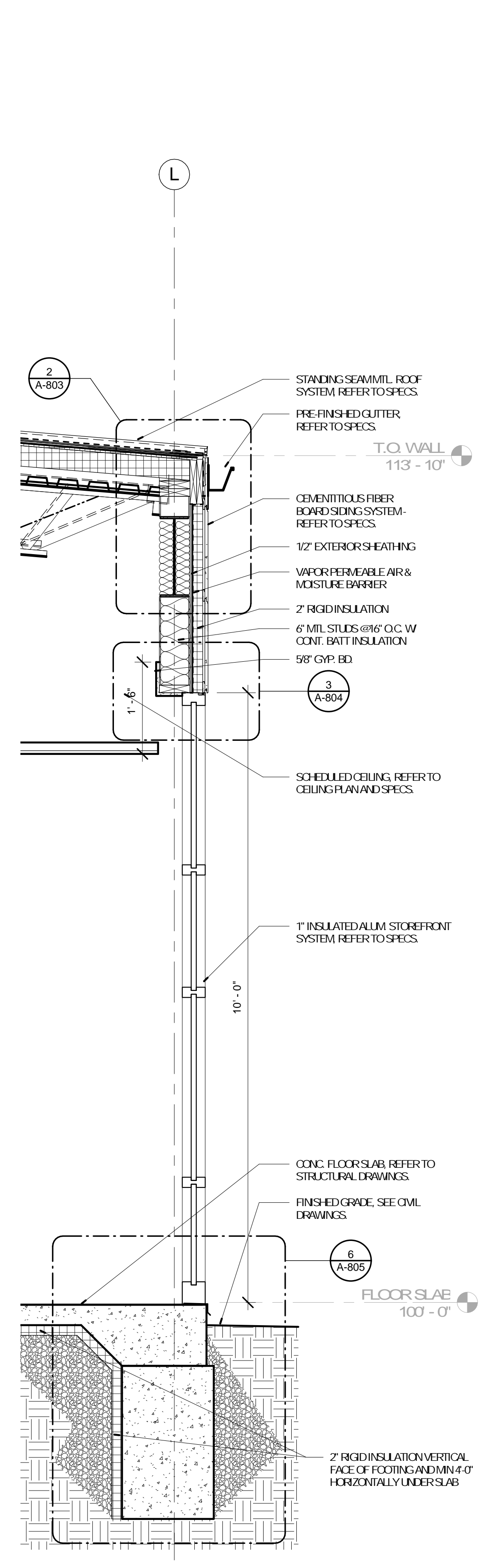
A-702



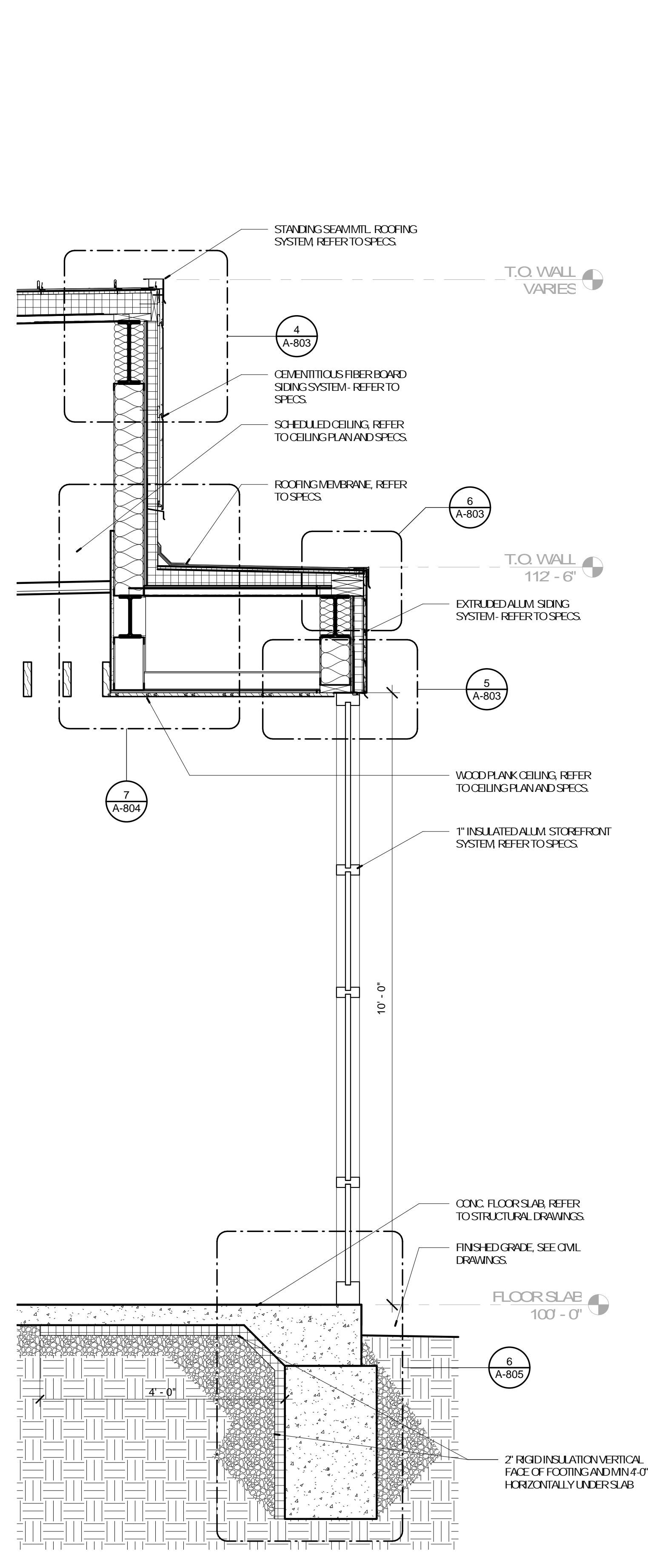
No.	Date	Description
	04/14/17	ISSUED FOR BID



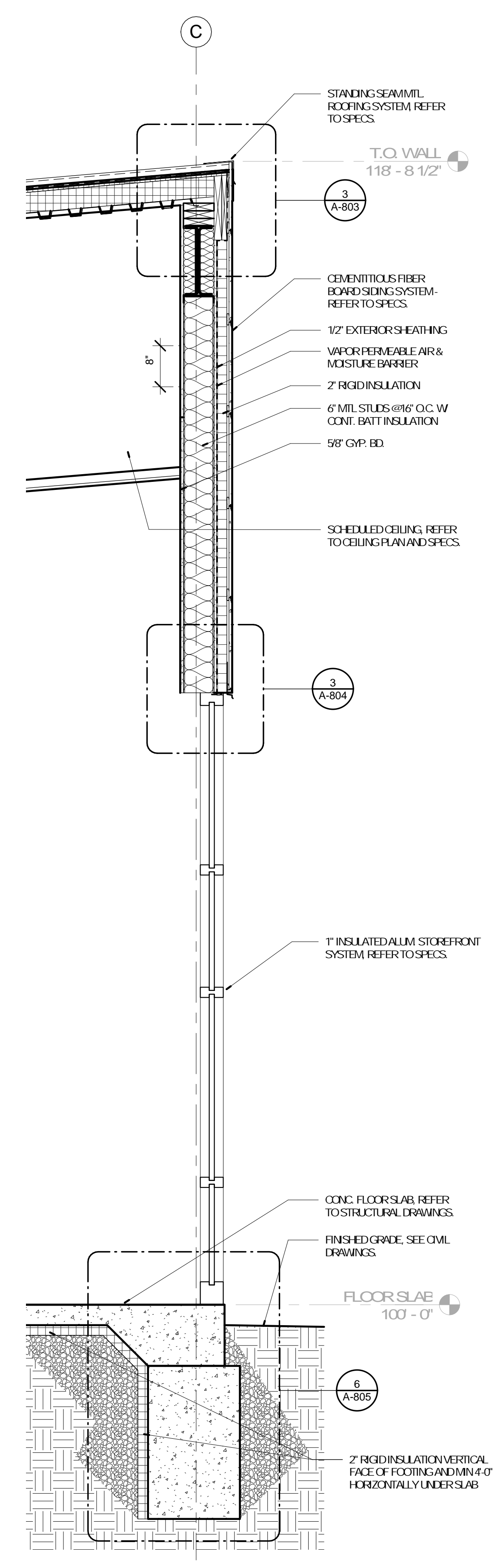
1 WALL SECTION - NORTH
A-703 3/4" = 1'-0"



2 WALL SECTION - NORTH
A-703 3/4" = 1'-0"

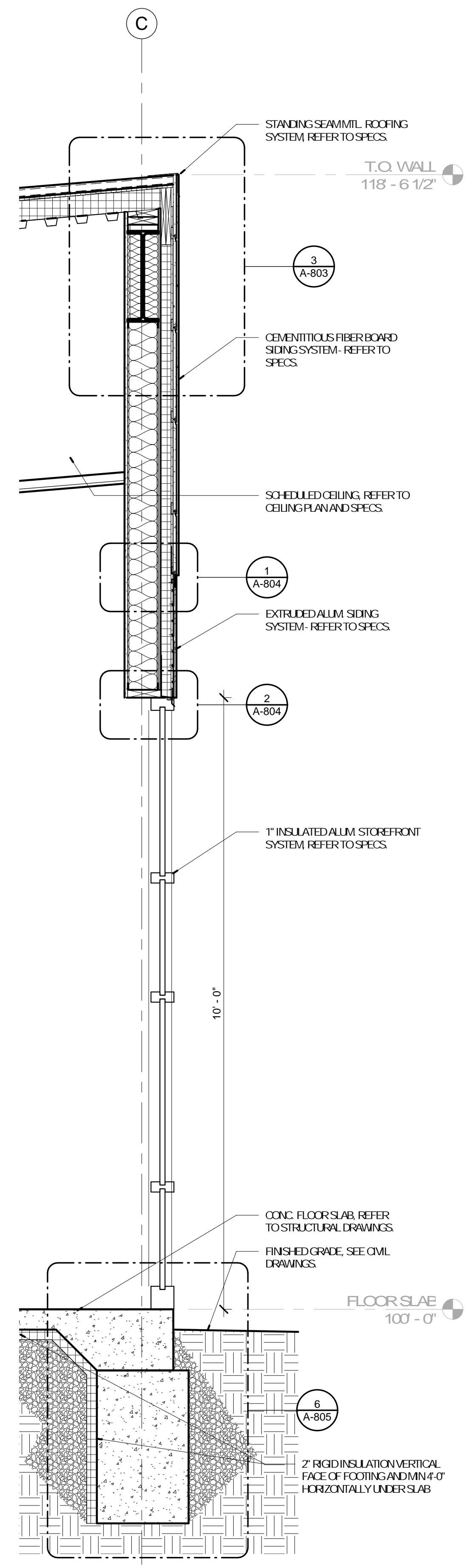


3 WALL SECTION - WEST
A-703 3/4" = 1'-0"

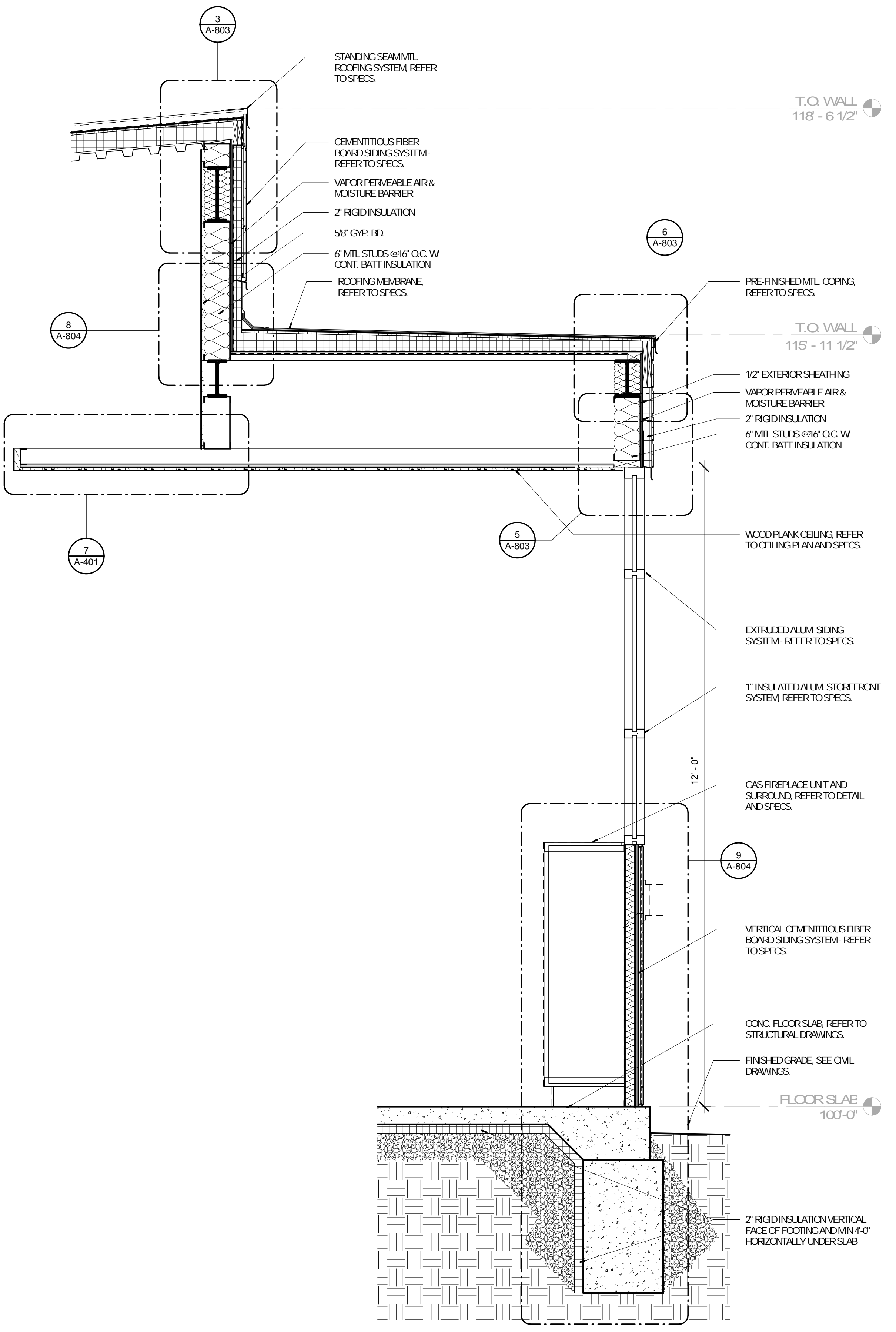


4 WALL SECTION - SOUTH
A-703 3/4" = 1'-0"

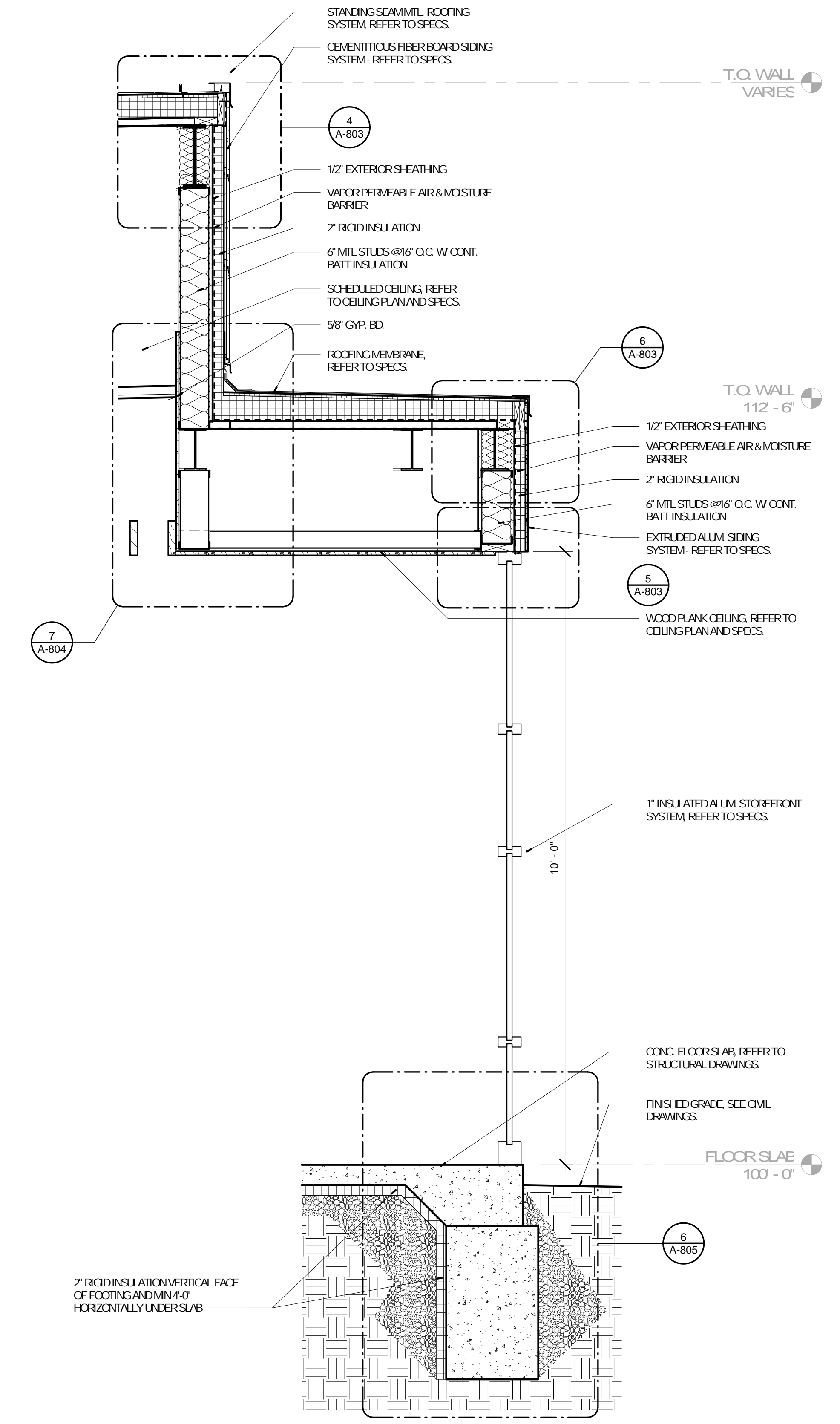
No.	Date	Description
	04/14/17	ISSUED FOR BID



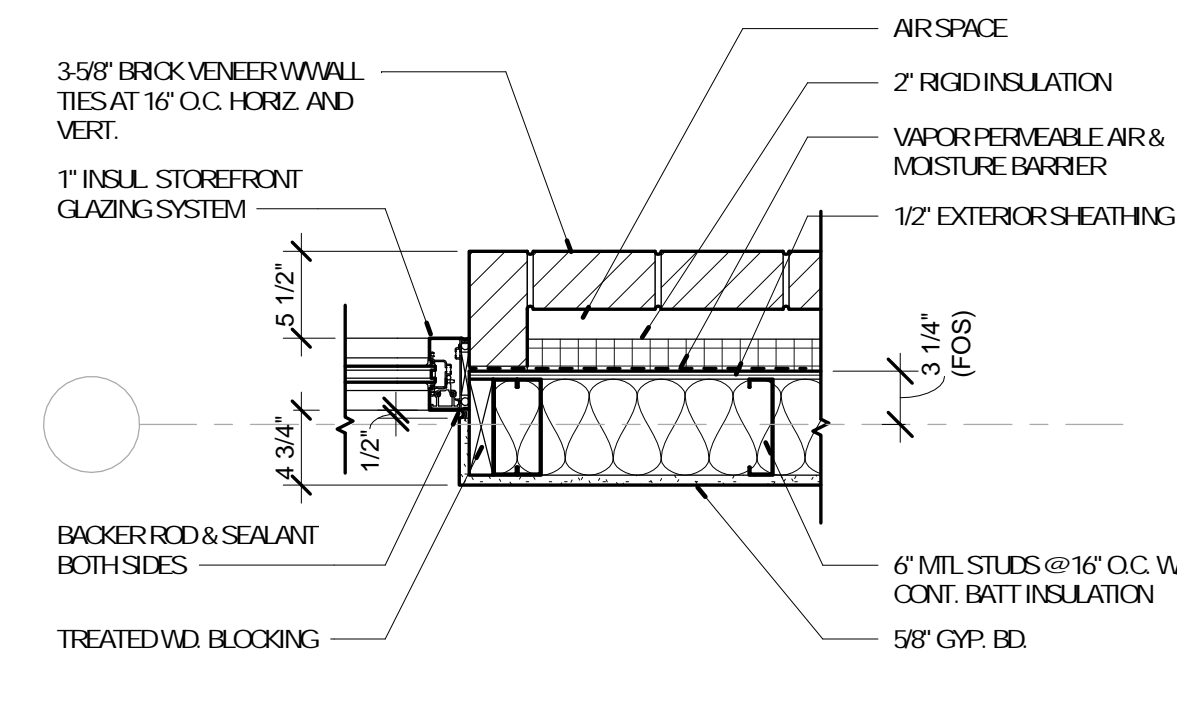
1 WALL SECTION - SOUTH
A-704 3/4" = 1'-0"



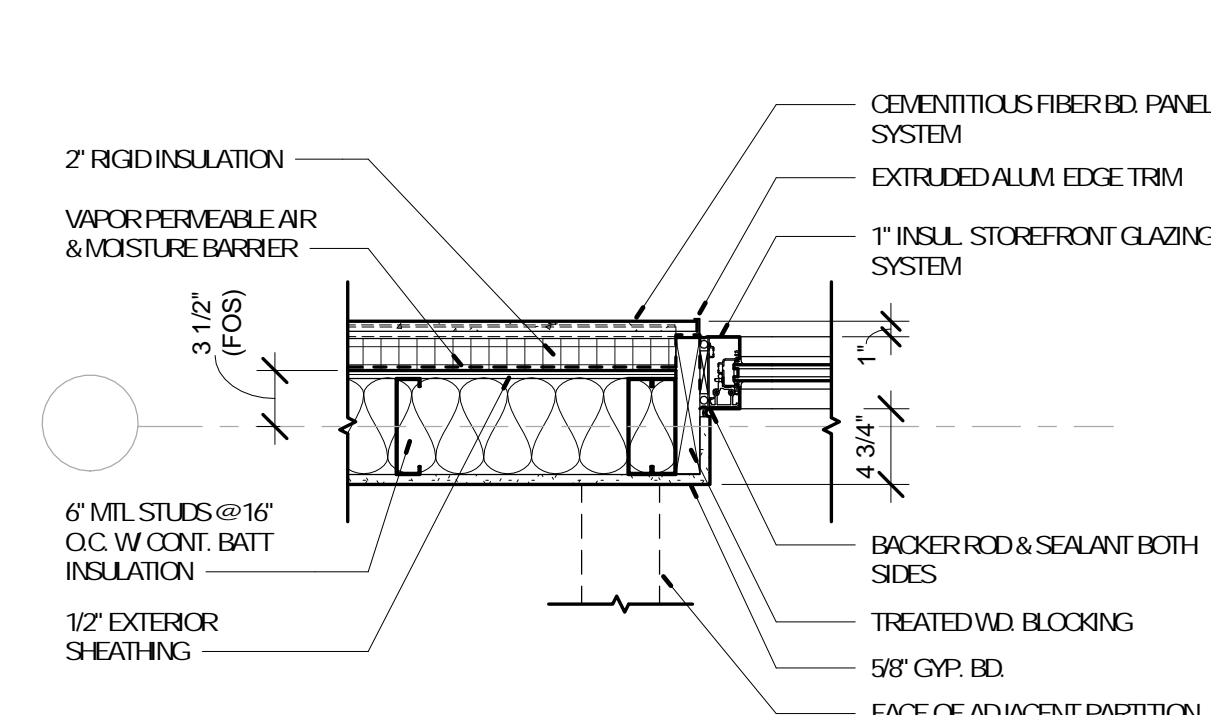
2 WALL SECTION - SOUTH
A-704 3/4" = 1'-0"



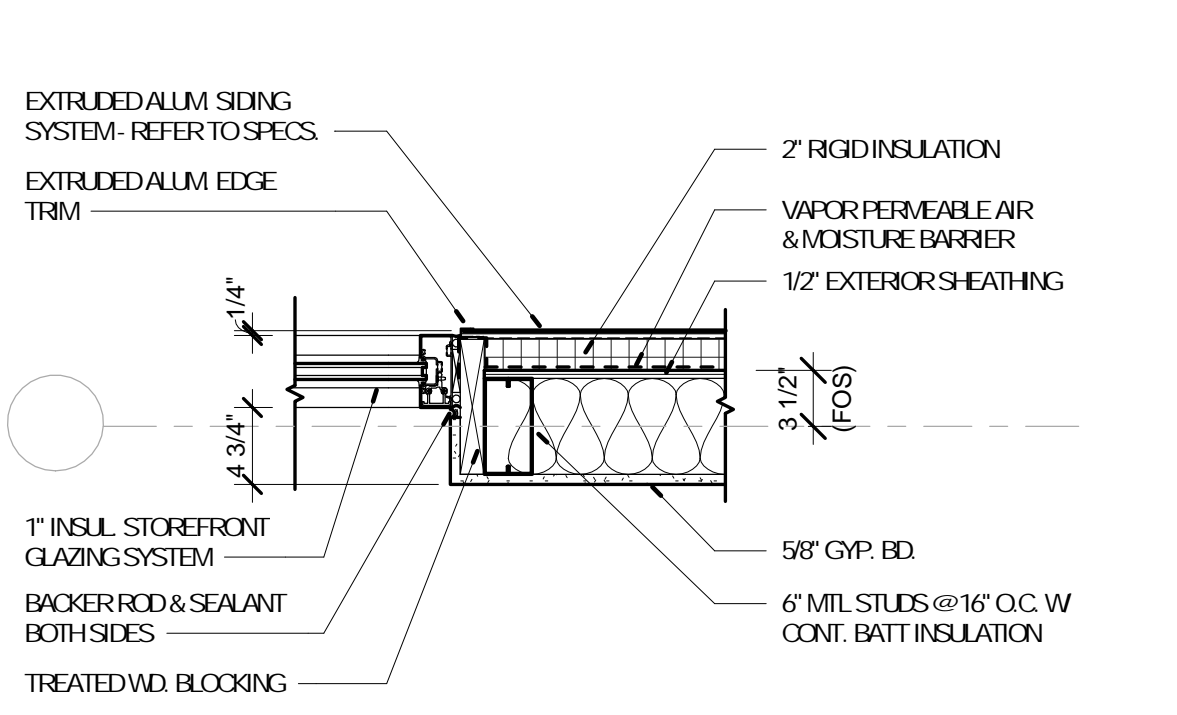
3 WALL SECTION - EAST
A-704 3/4" = 1'-0"



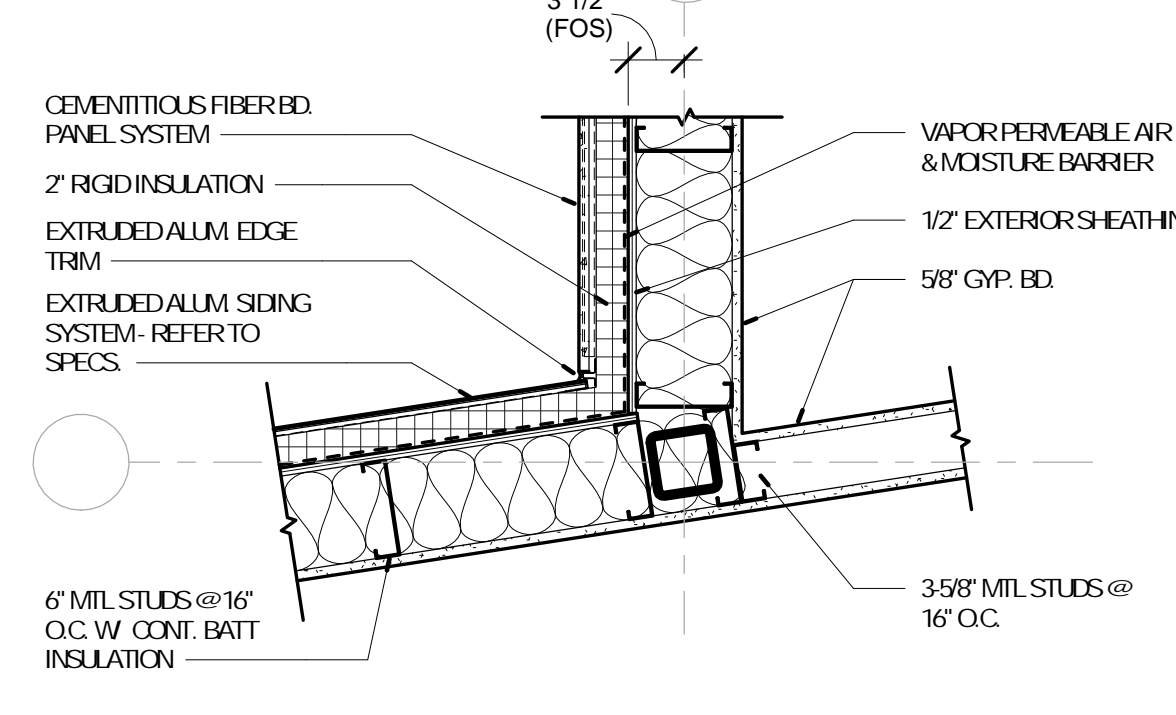
1 PLAN DETAIL @ BRICK - STOREFRONT
A-801 1" = 1'-0" REFERENCE



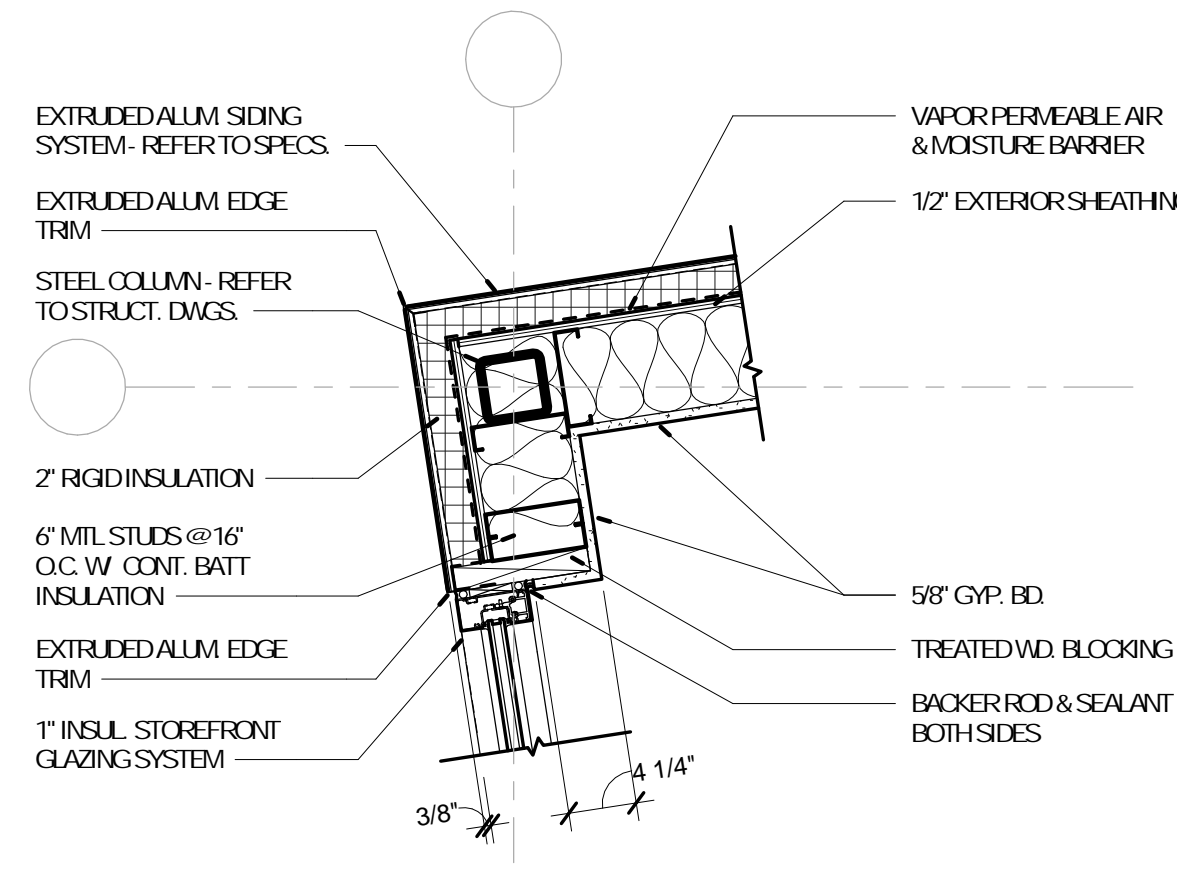
2 PLAN DETAIL @ FIBER CEMENT - STOREFRONT
A-801 1" = 1'-0" REFERENCE 1 / A-201



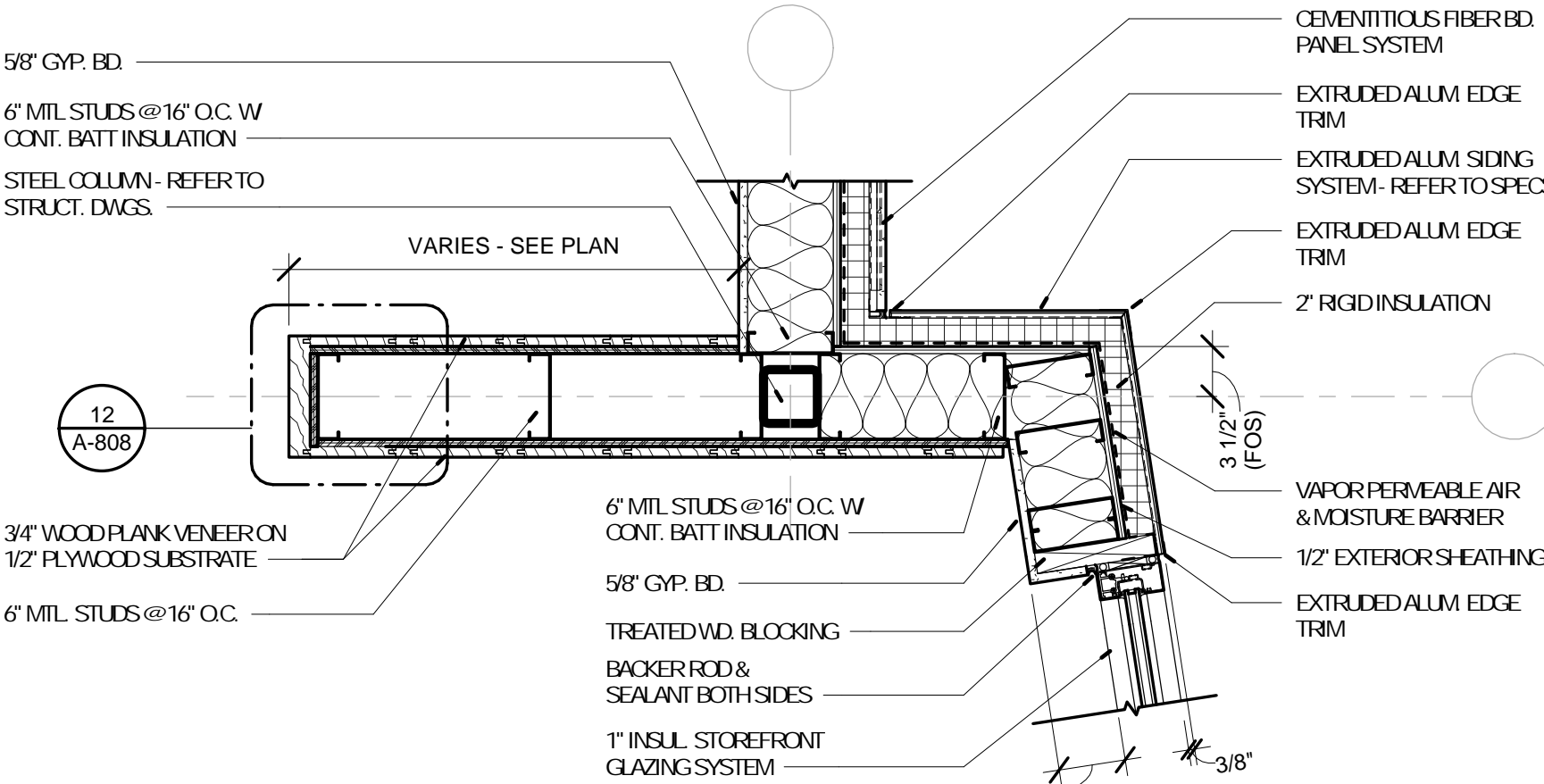
3 PLAN DETAIL @ EXTRUDED ALUM. - STOREFRONT
A-801 1" = 1'-0" REFERENCE



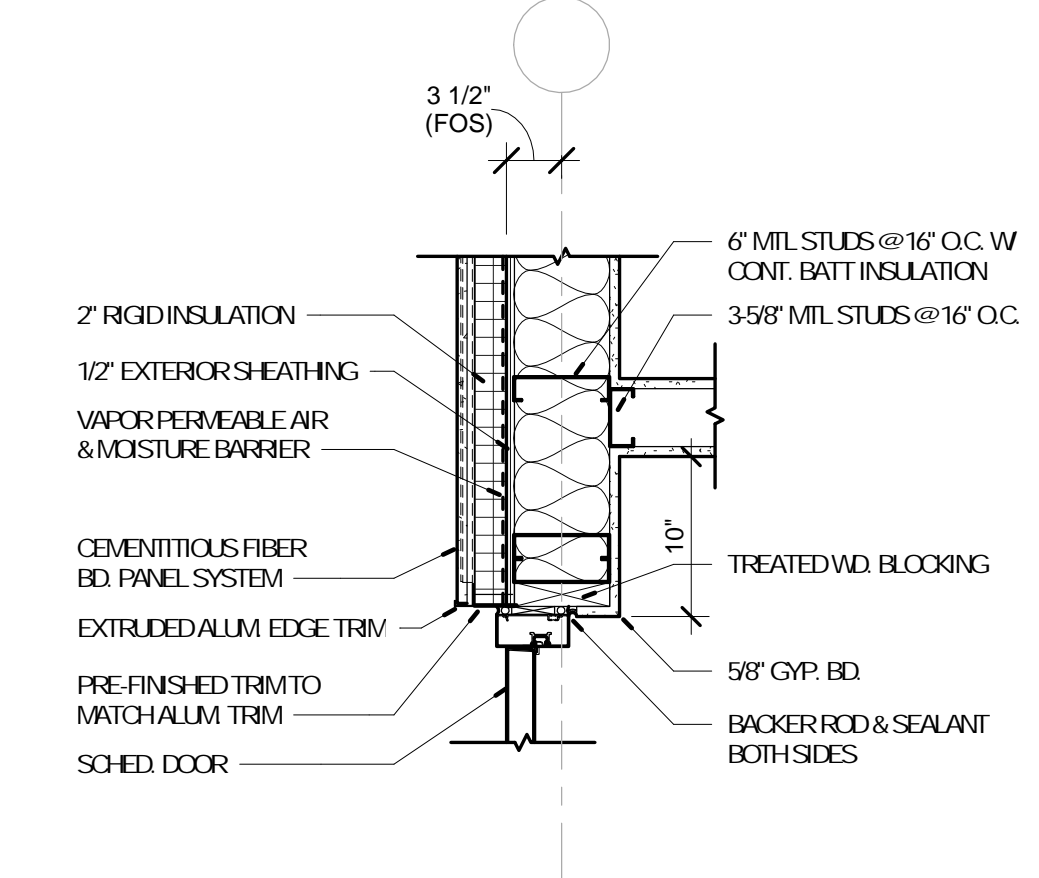
4 PLAN DETAIL @ FIBER CEMENT - LONGBOARD
A-801 1" = 1'-0" REFERENCE 2 / A-302



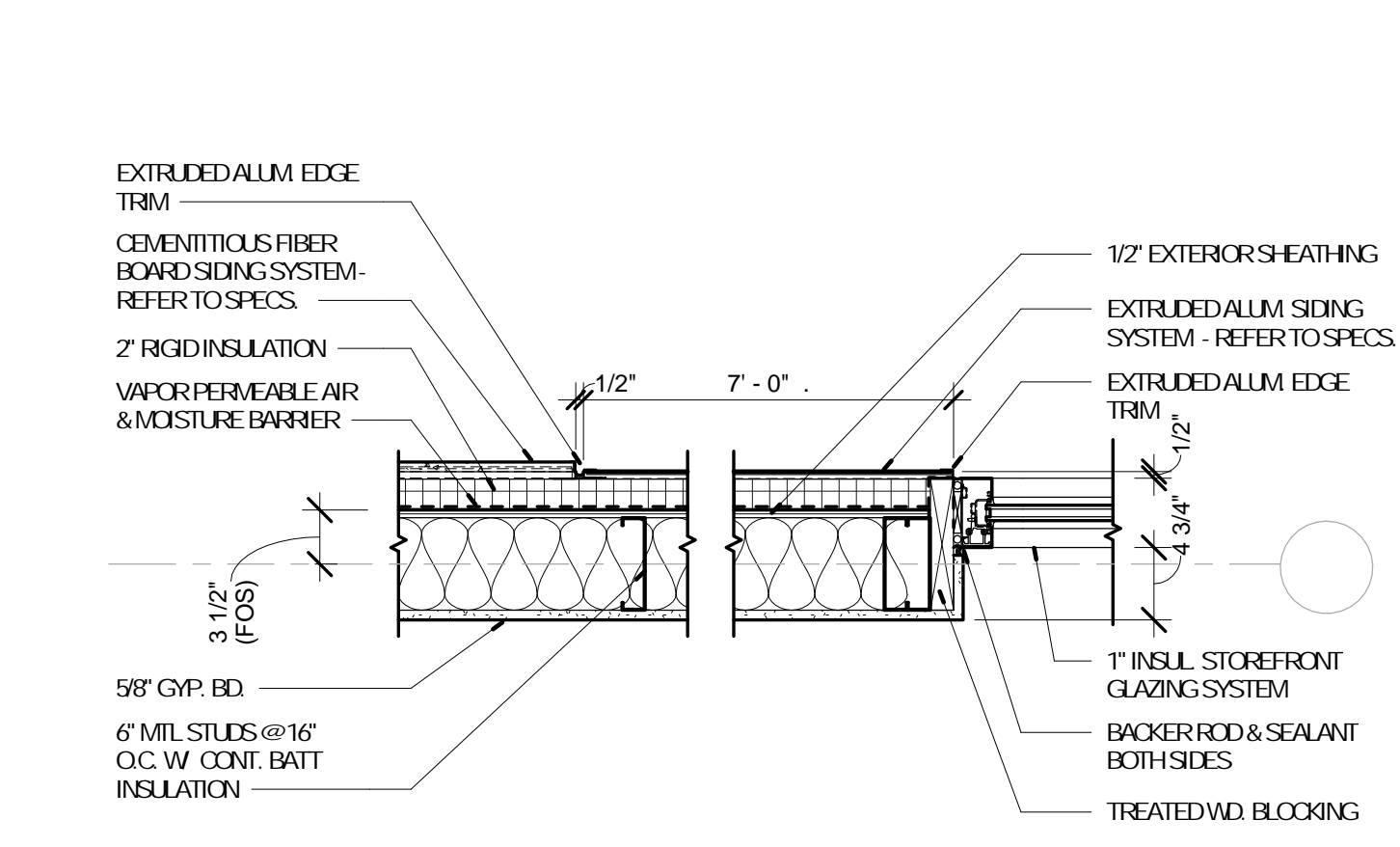
5 PLAN DETAIL @ EXTRUDED ALUM. - STOREFRONT
A-801 1" = 1'-0" REFERENCE



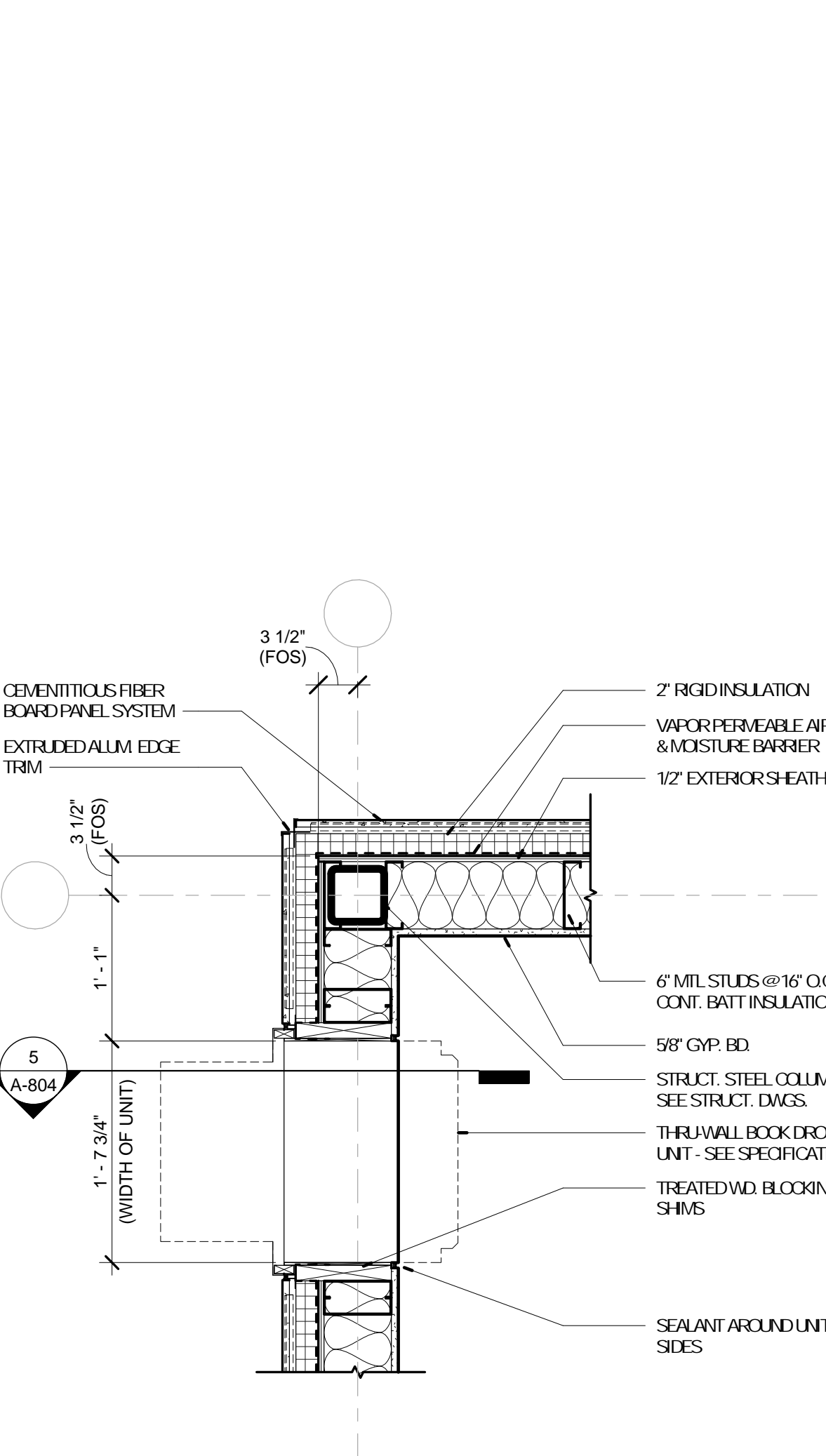
6 PLAN DETAIL @ EXTRUDED ALUM. - STOREFRONT
A-801 1" = 1'-0" REFERENCE 2 / A-302



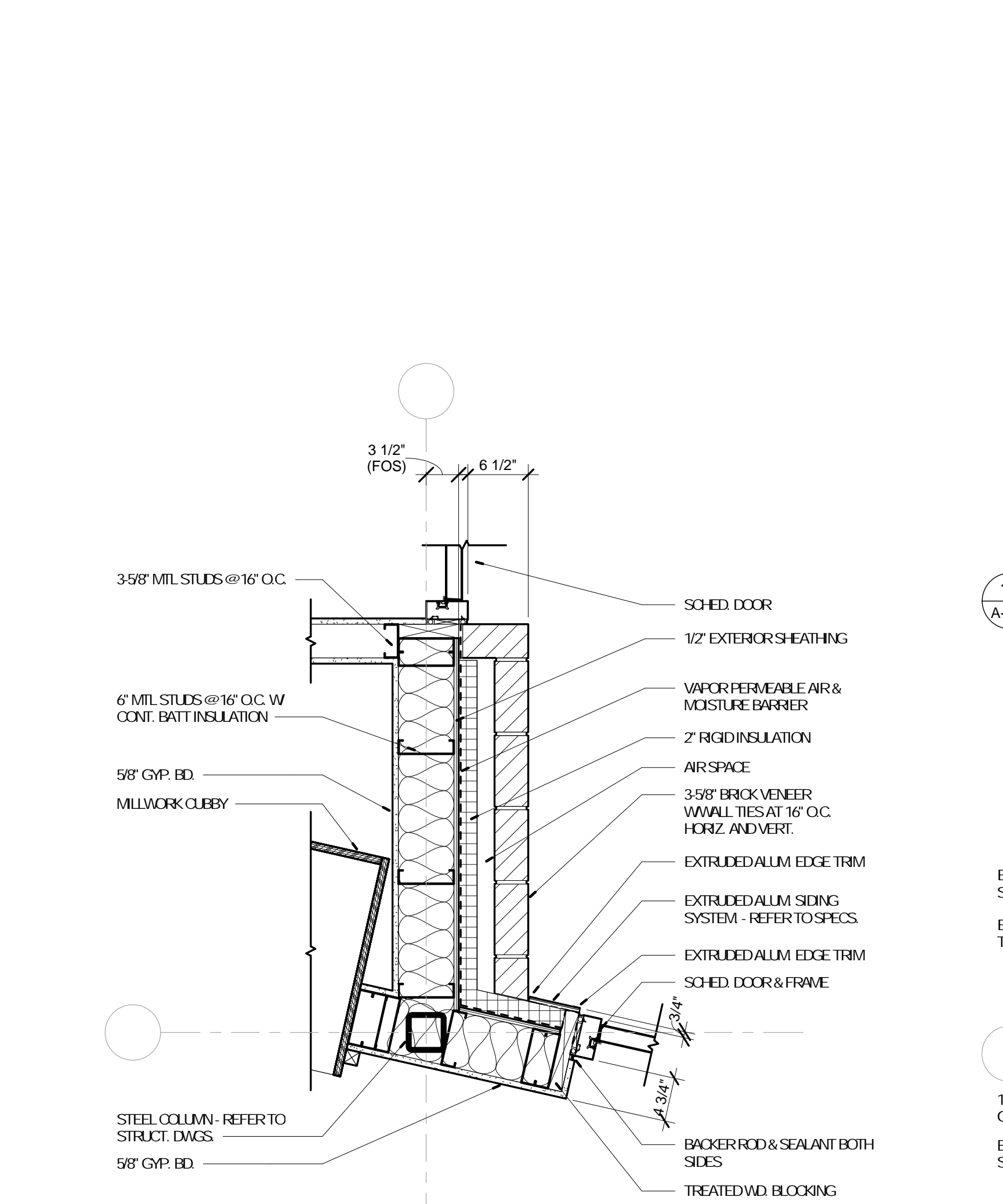
7 PLAN DETAIL @ FIBER CEMENT - DOOR
A-801 1" = 1'-0" REFERENCE



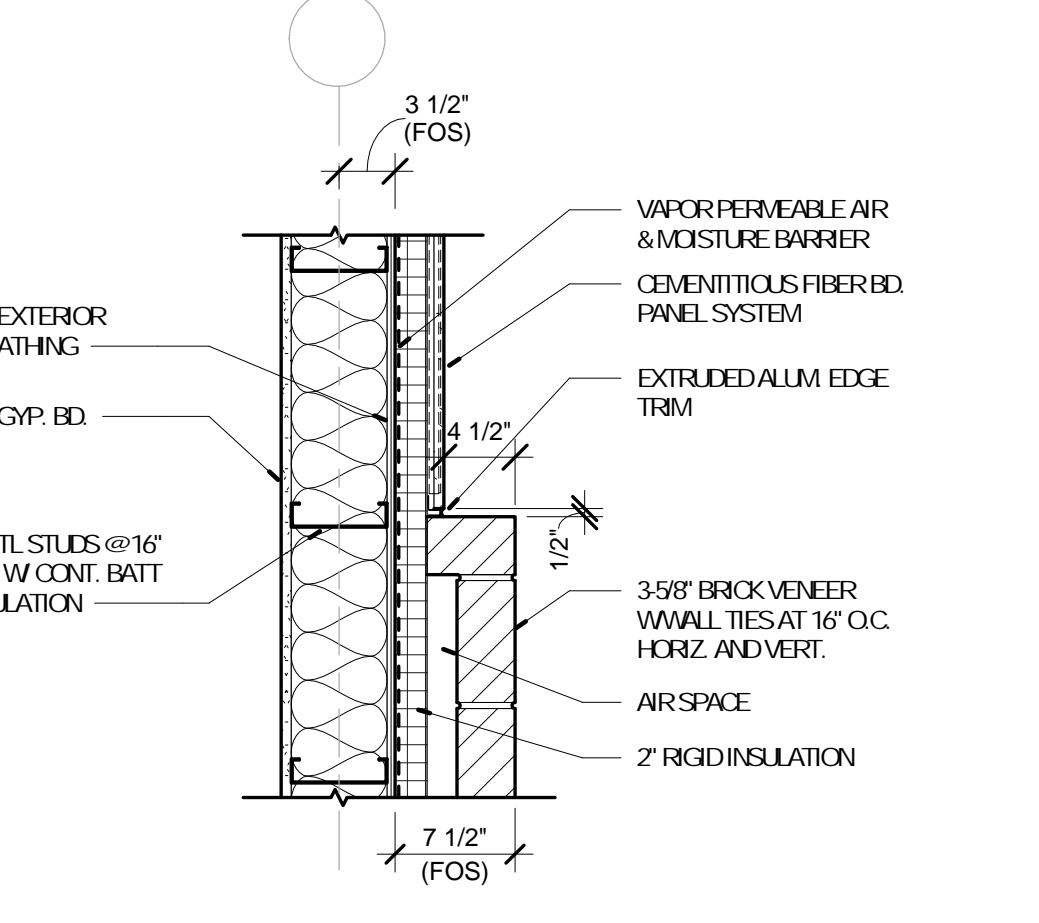
8 PLAN DETAIL @ EXTRUDED ALUM. - STOREFRONT
A-801 1" = 1'-0" REFERENCE 1 / A-201



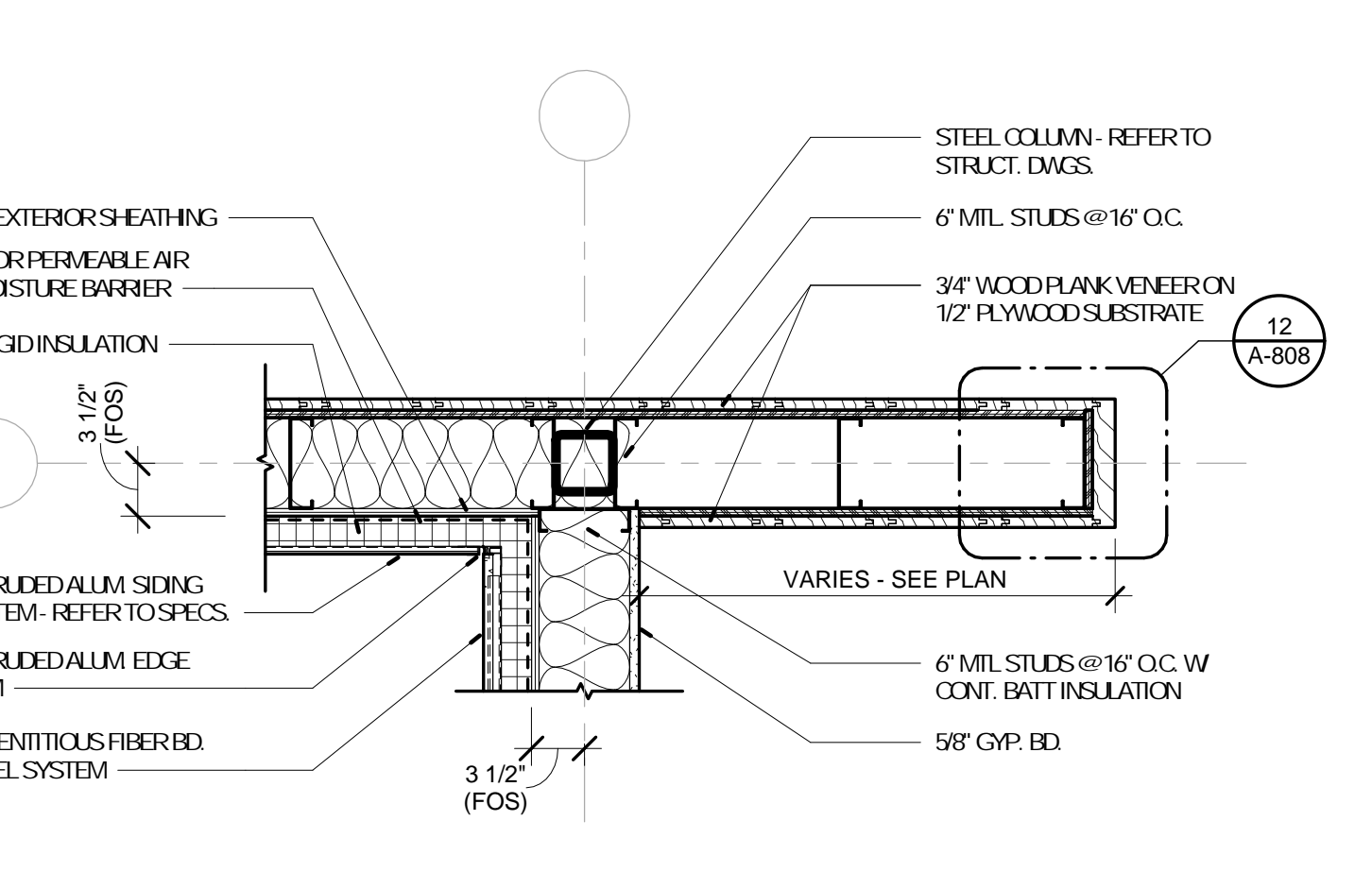
13 PLAN DETAIL @ BOOK DROP
A-801 1" = 1'-0" REFERENCE



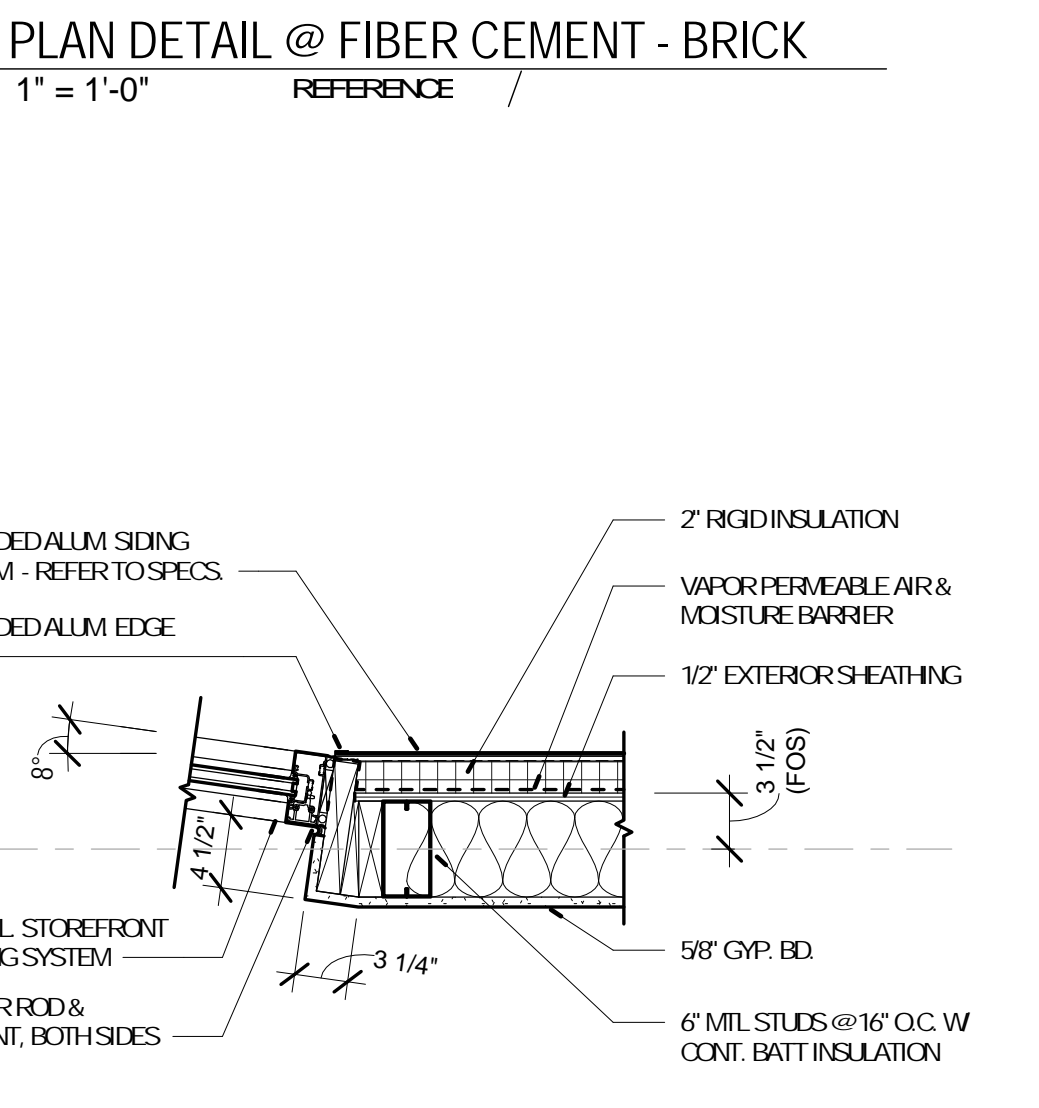
14 PLAN DETAIL @ EXTRUDED ALUM. - STOREFRONT
A-801 1" = 1'-0" REFERENCE



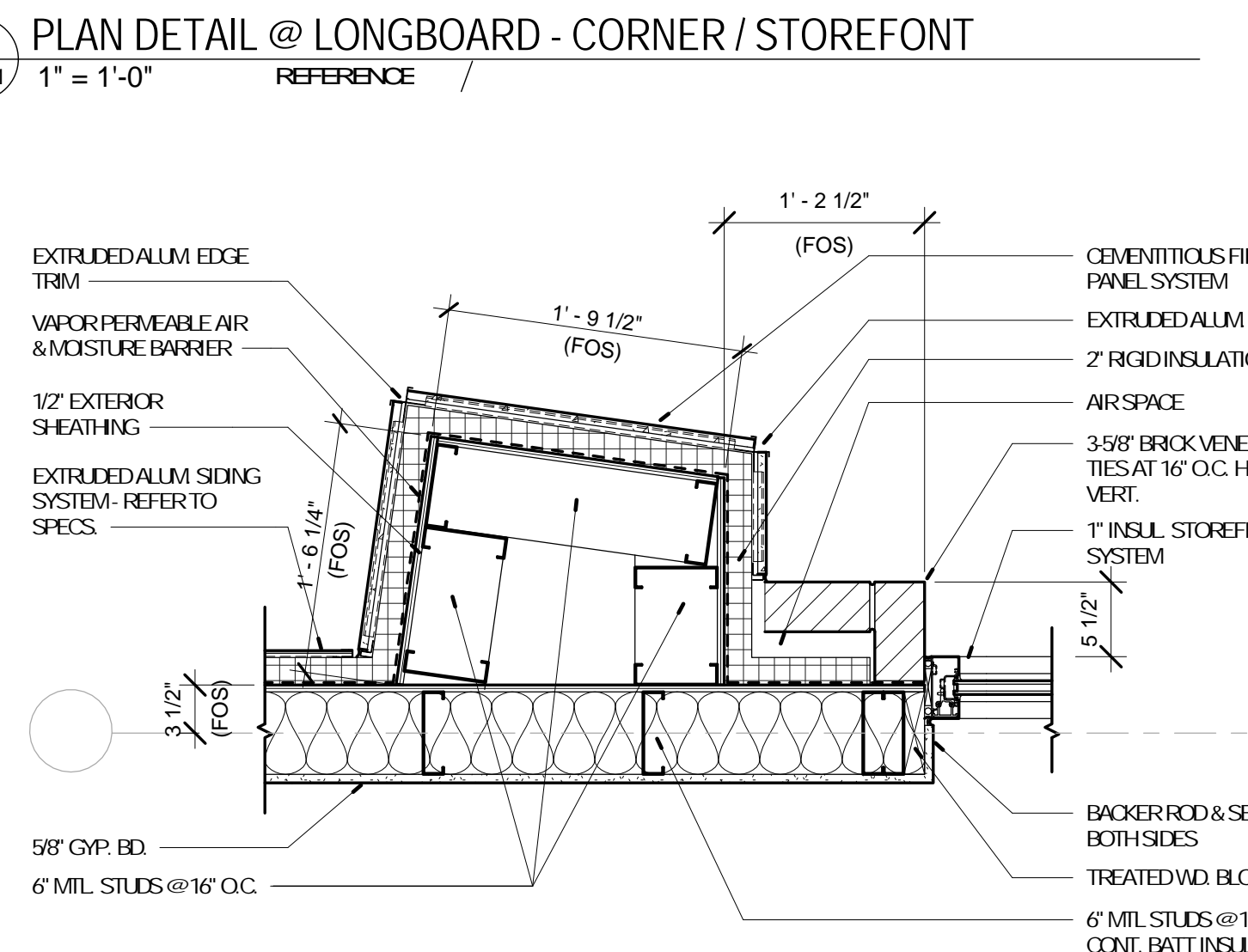
11 PLAN DETAIL @ FIBER CEMENT - BRICK
A-801 1" = 1'-0" REFERENCE



12 PLAN DETAIL @ LONGBOARD - CORNER / STOREFRONT
A-801 1" = 1'-0" REFERENCE

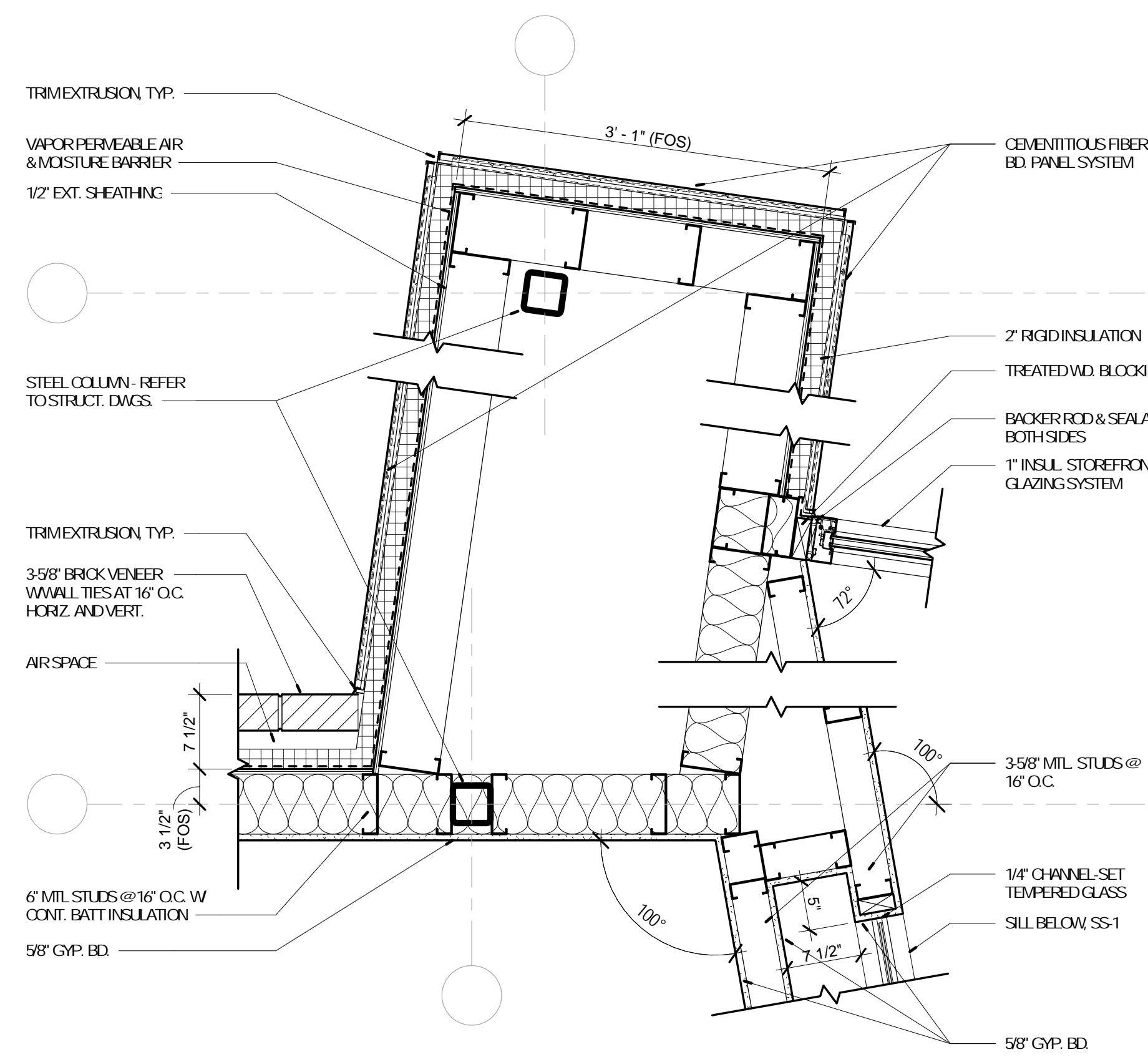


15 PLAN DETAIL @ EXTRUDED ALUM. - STOREFRONT
A-801 1" = 1'-0" REFERENCE

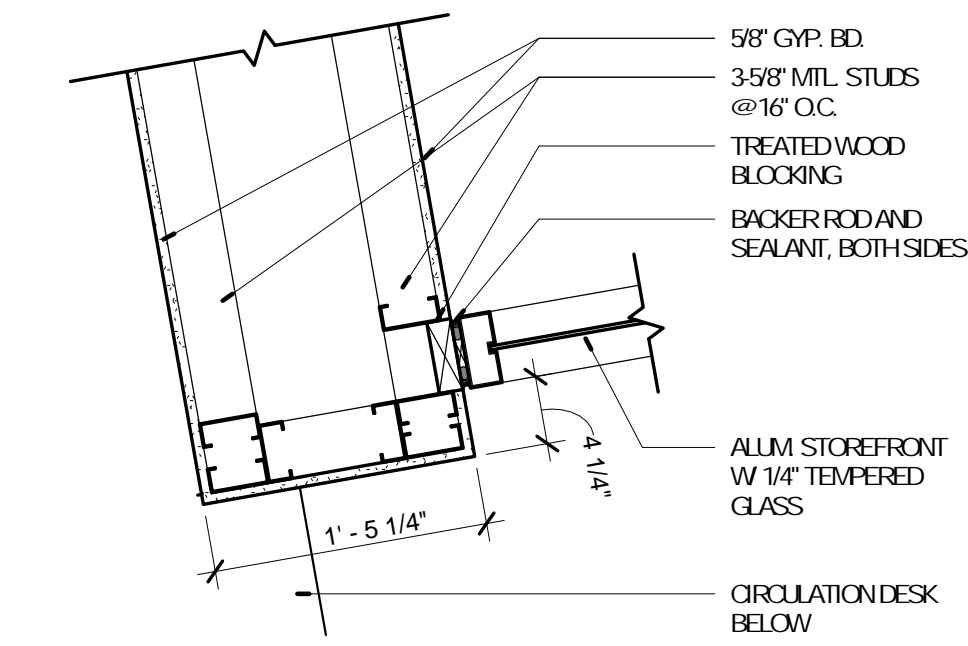


16 PLAN DETAIL @ BRICK - FIBER CEMENT - STOREFRONT
A-801 1" = 1'-0" REFERENCE

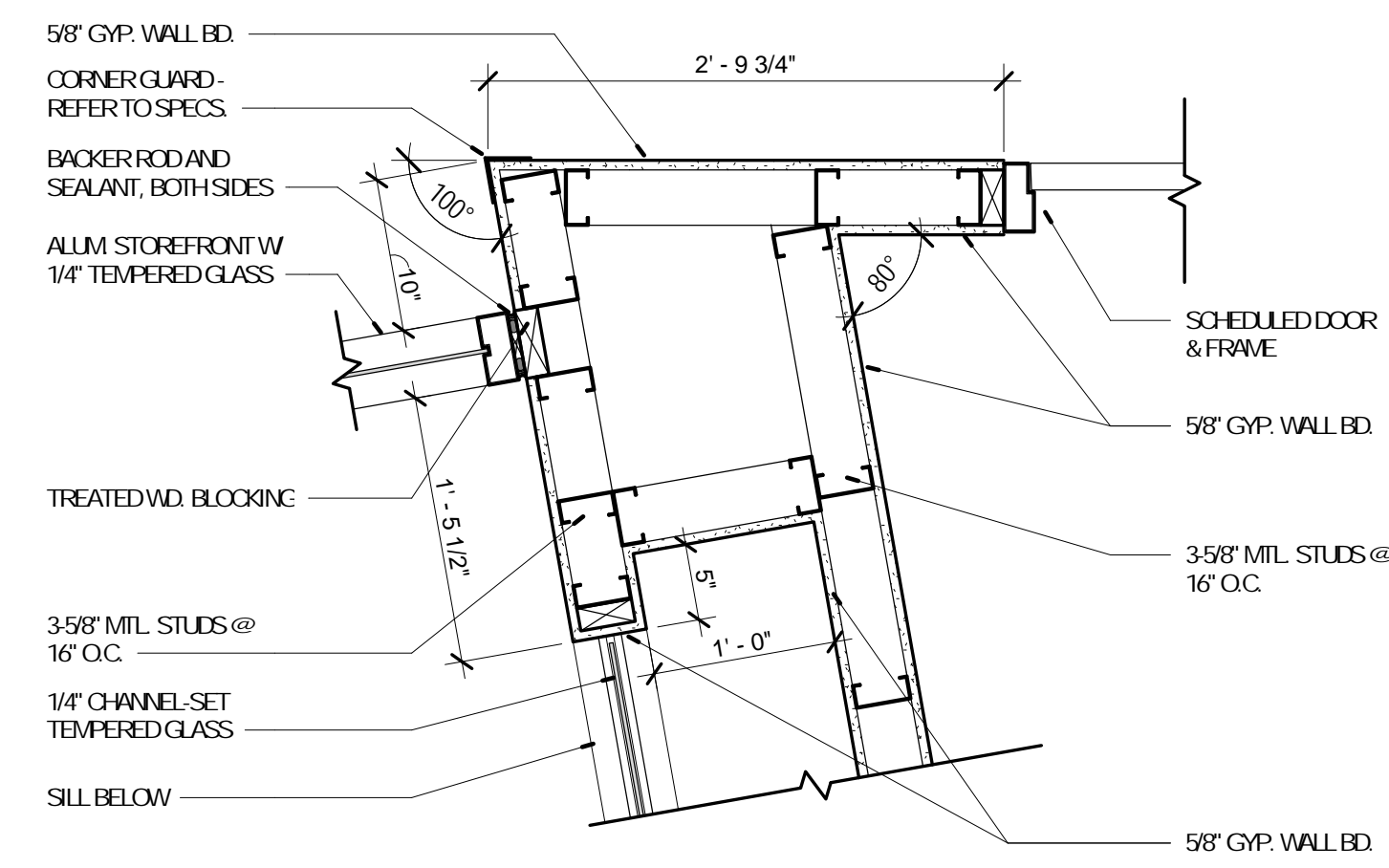
No.	Date	Description
	04/14/17	ISSUED FOR BID



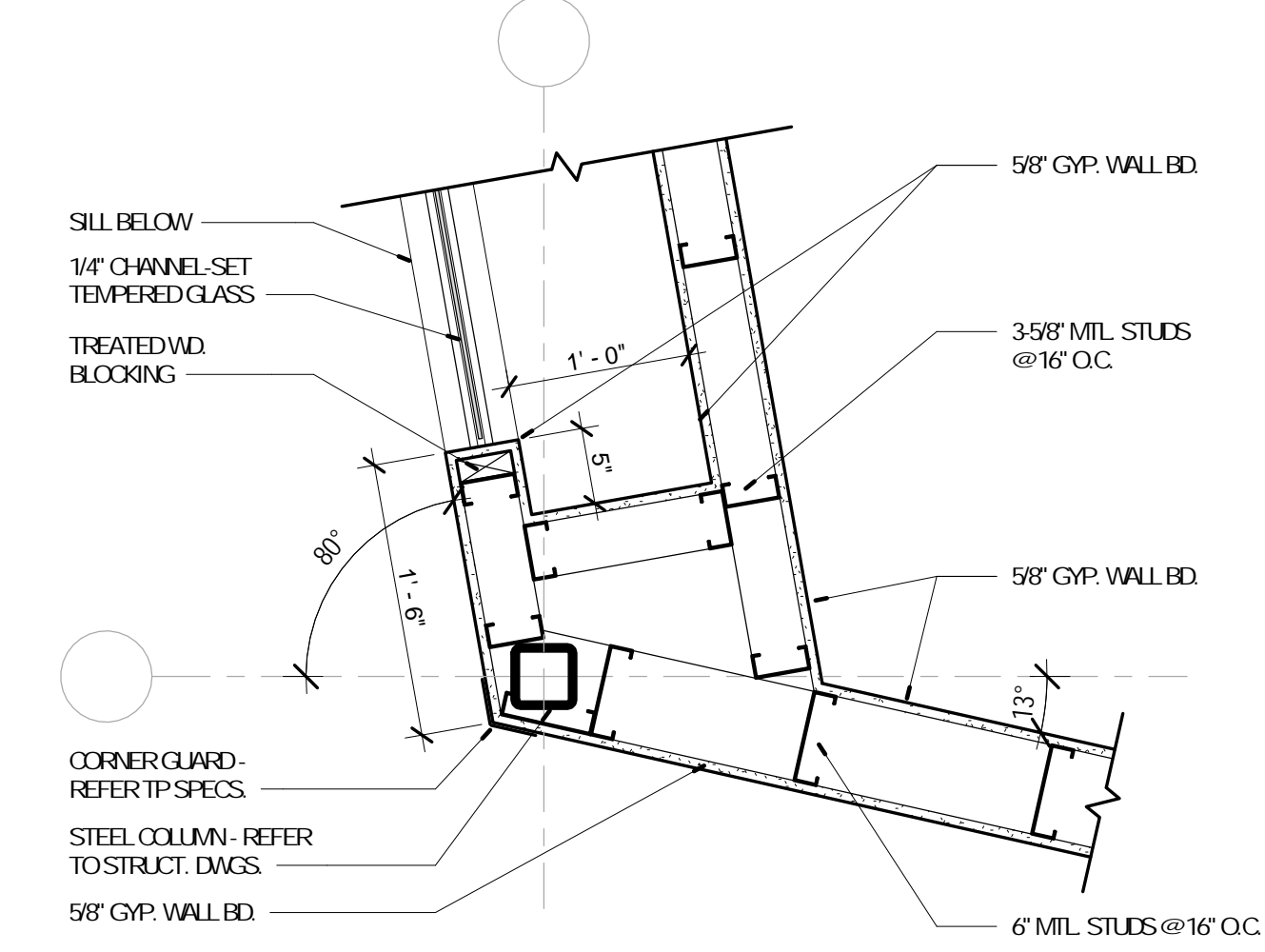
5 PLAN DETAIL @ ENTRY
A-802 1" = 1'-0" REFERENCE



2 PLAN DETAIL
A-802 1" = 1'-0" REFERENCE



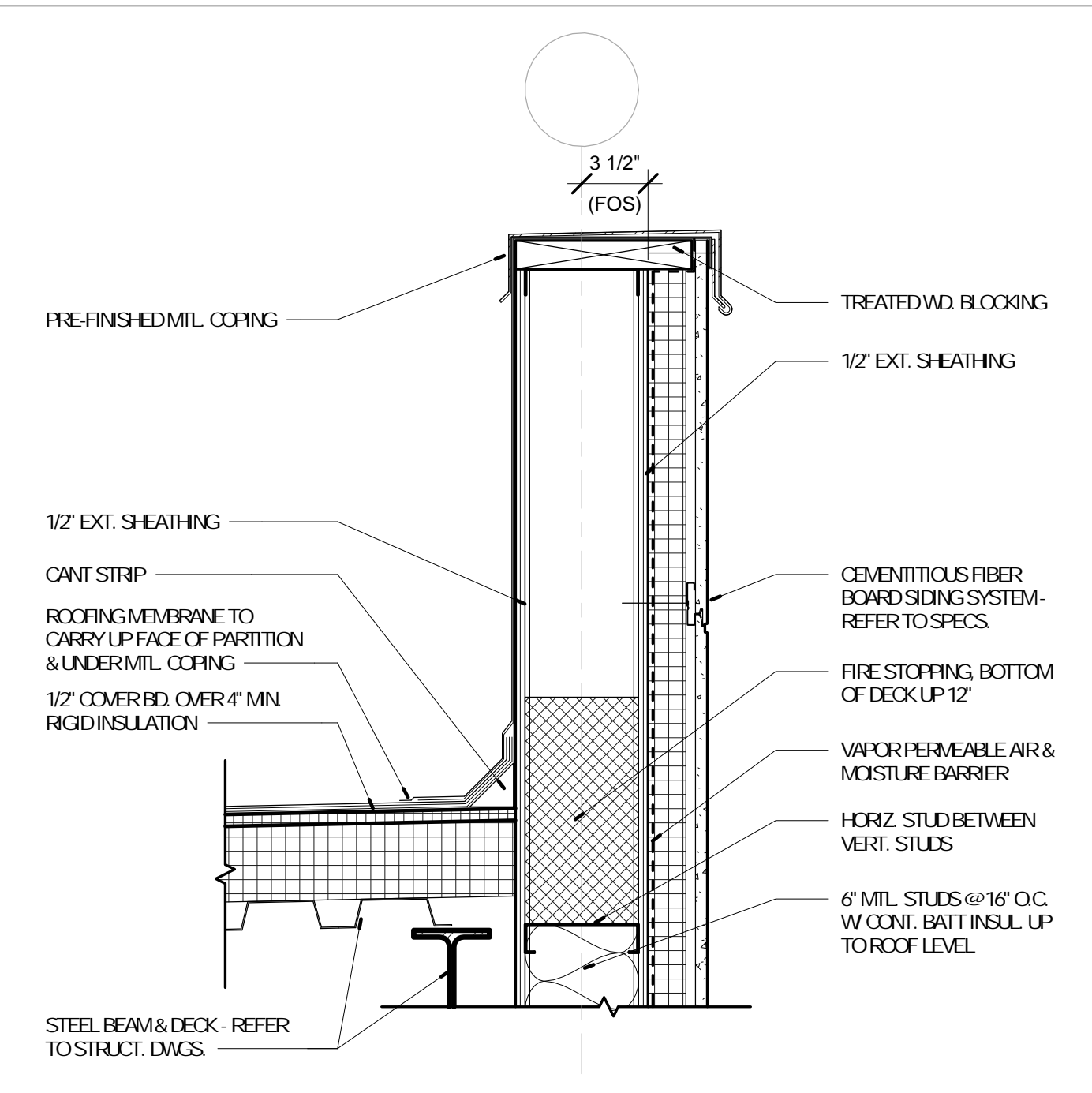
3 PLAN DETAIL
A-802 1" = 1'-0" REFERENCE



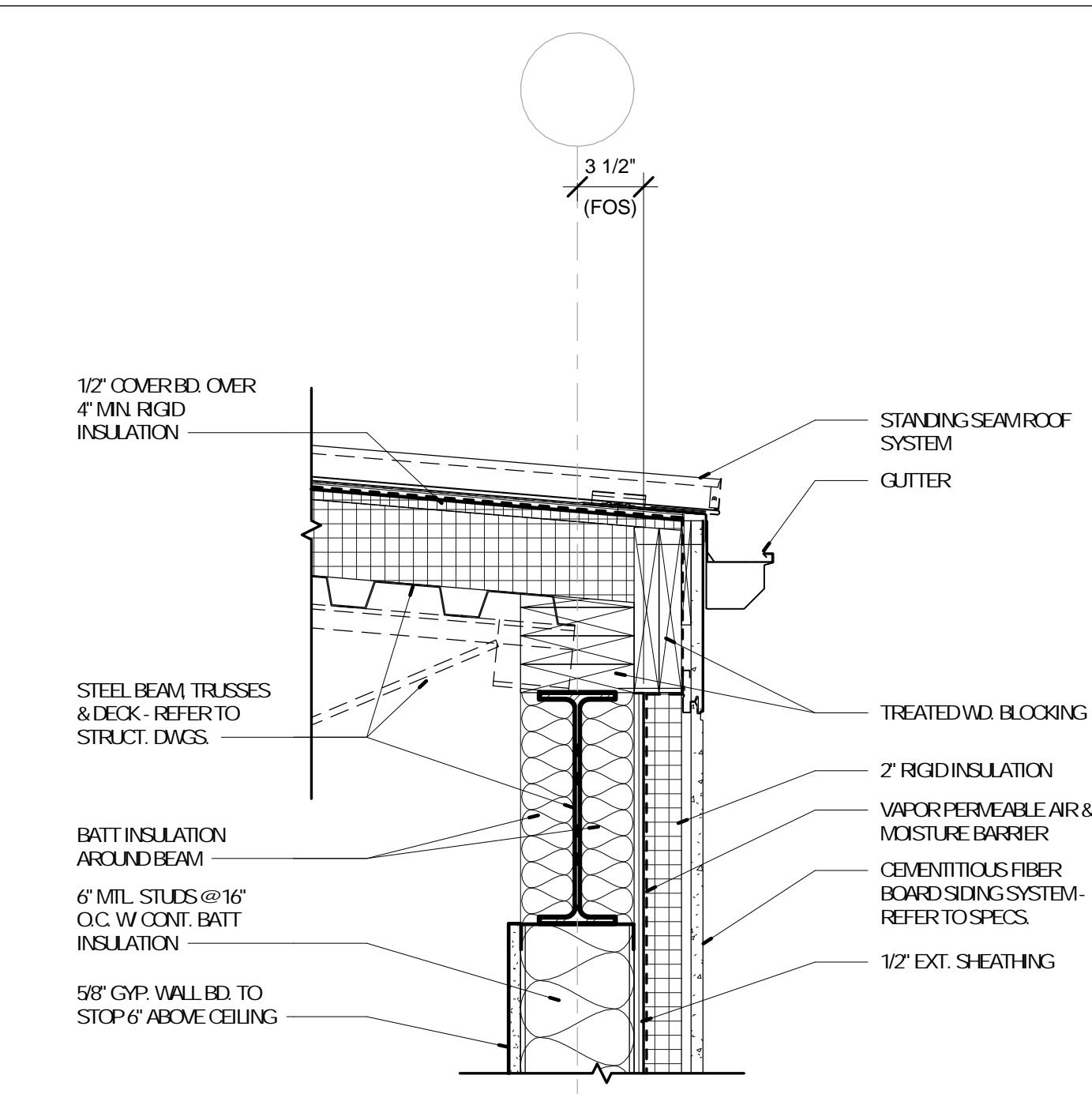
4 PLAN DETAIL
A-802 1" = 1'-0" REFERENCE

No.	Date	Description
	04/14/17	ISSUED FOR BID

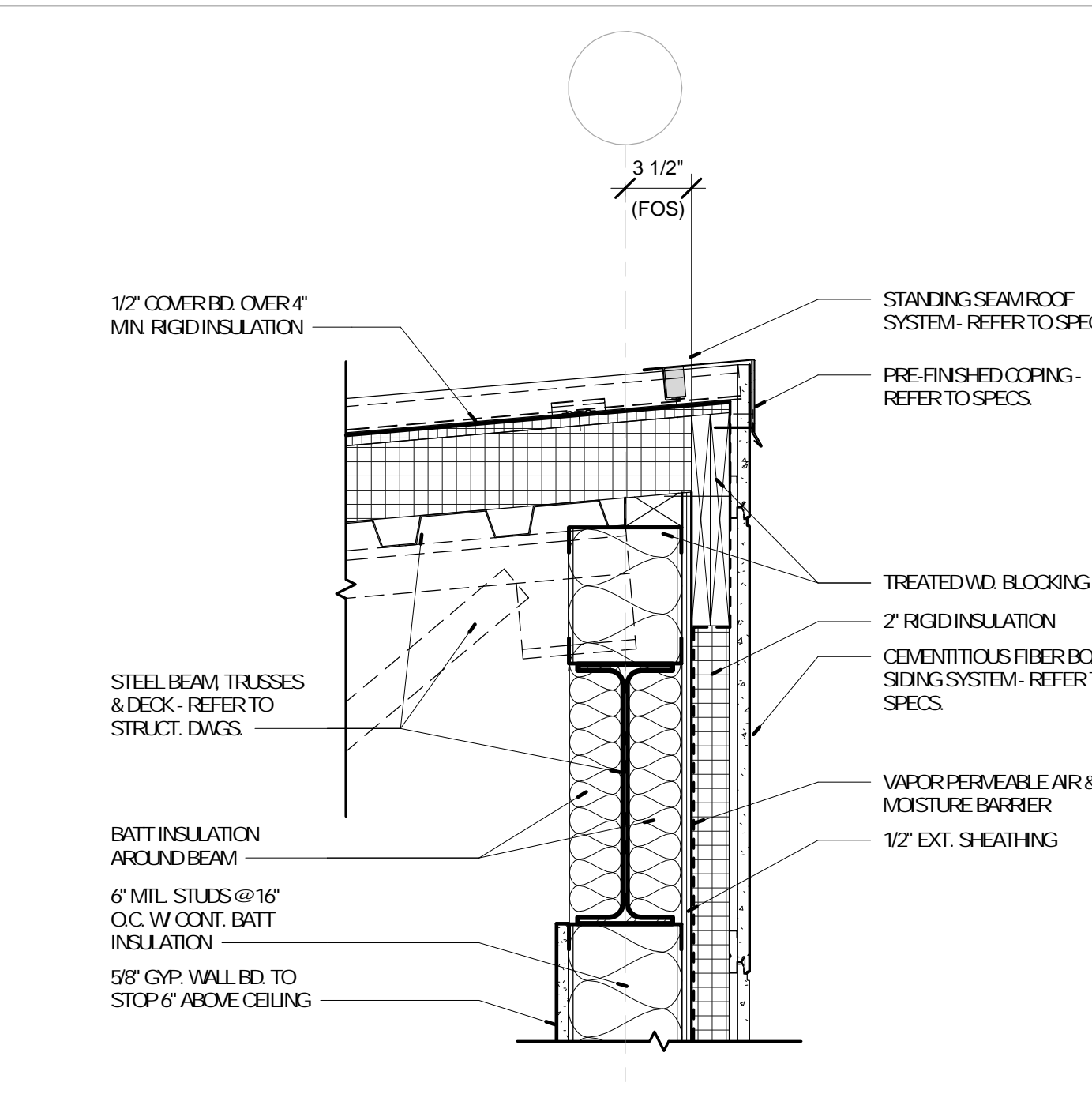
No.	Date	Description
	04/14/17	ISSUED FOR BID



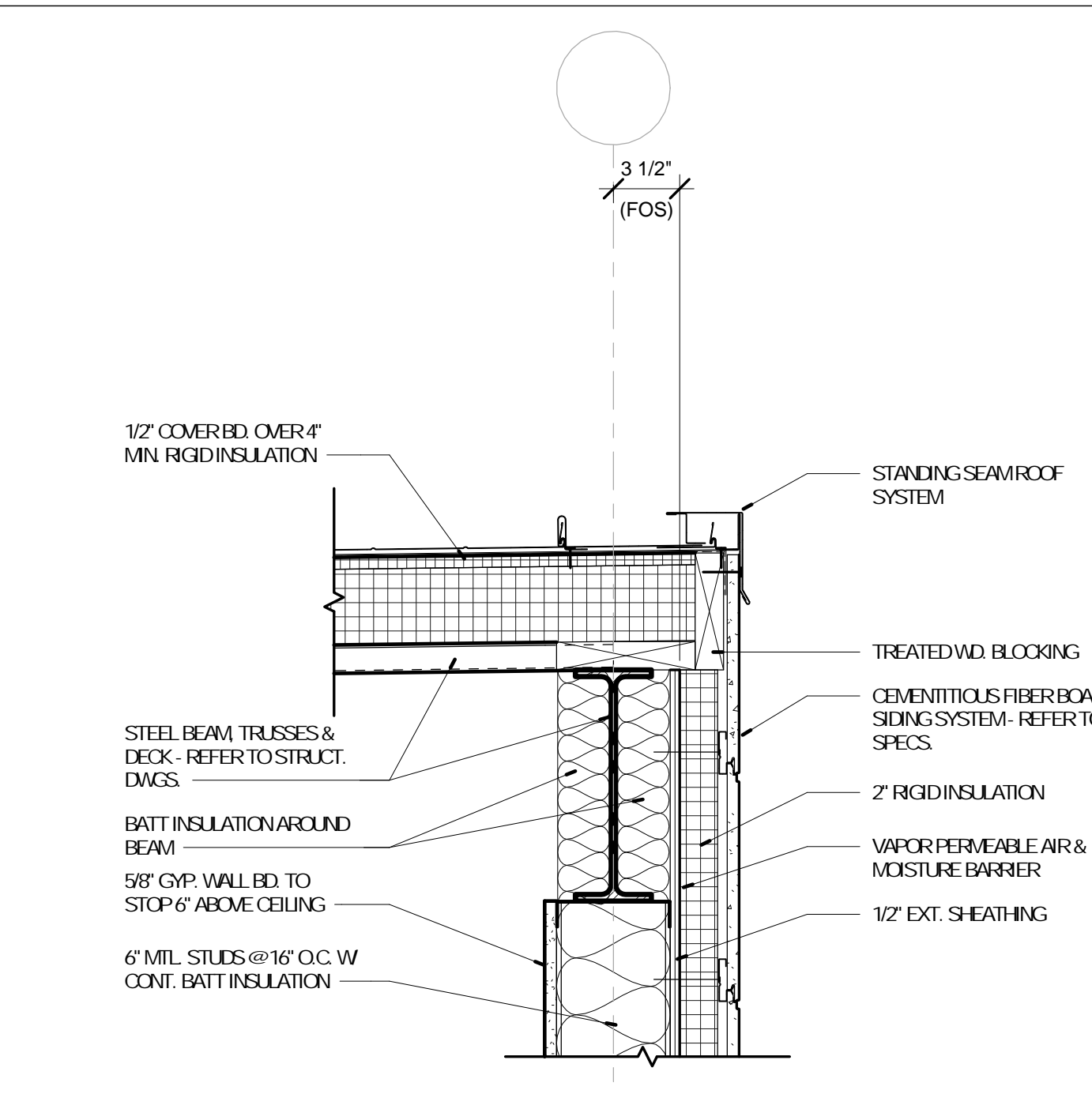
1 WALL DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 1 /A-703



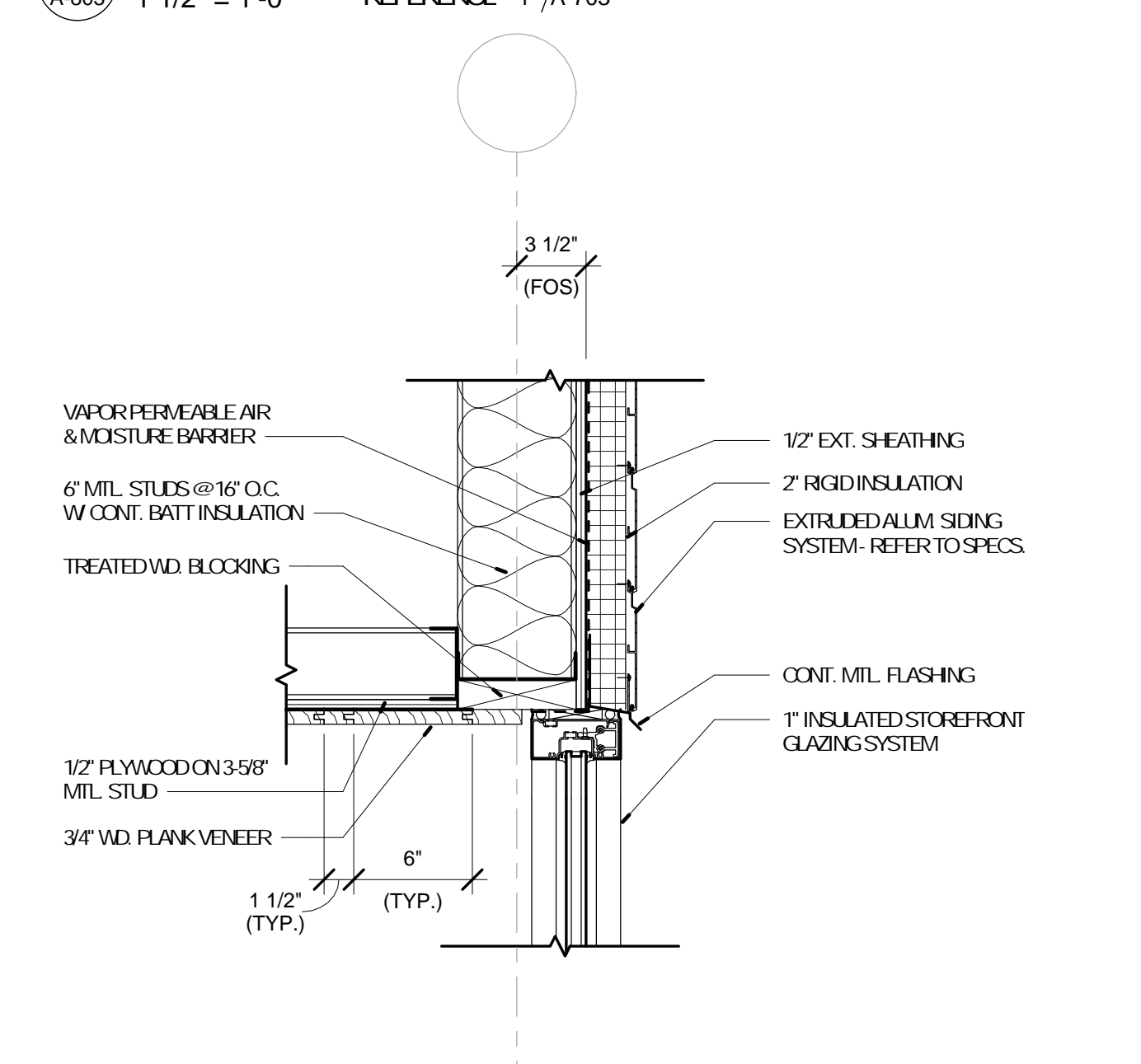
2 WALL DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 1 /A-702



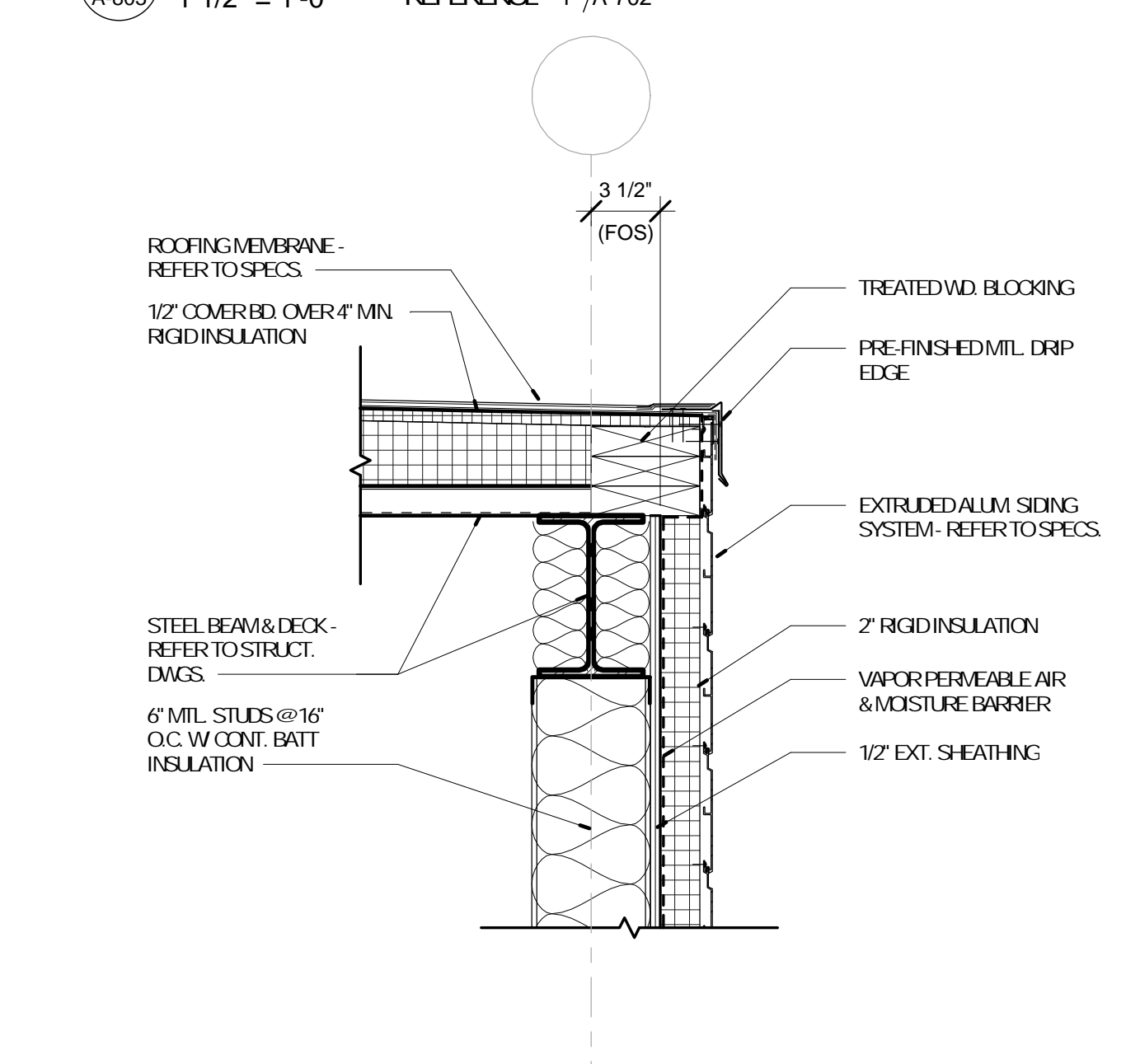
3 WALL DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 4 /A-703



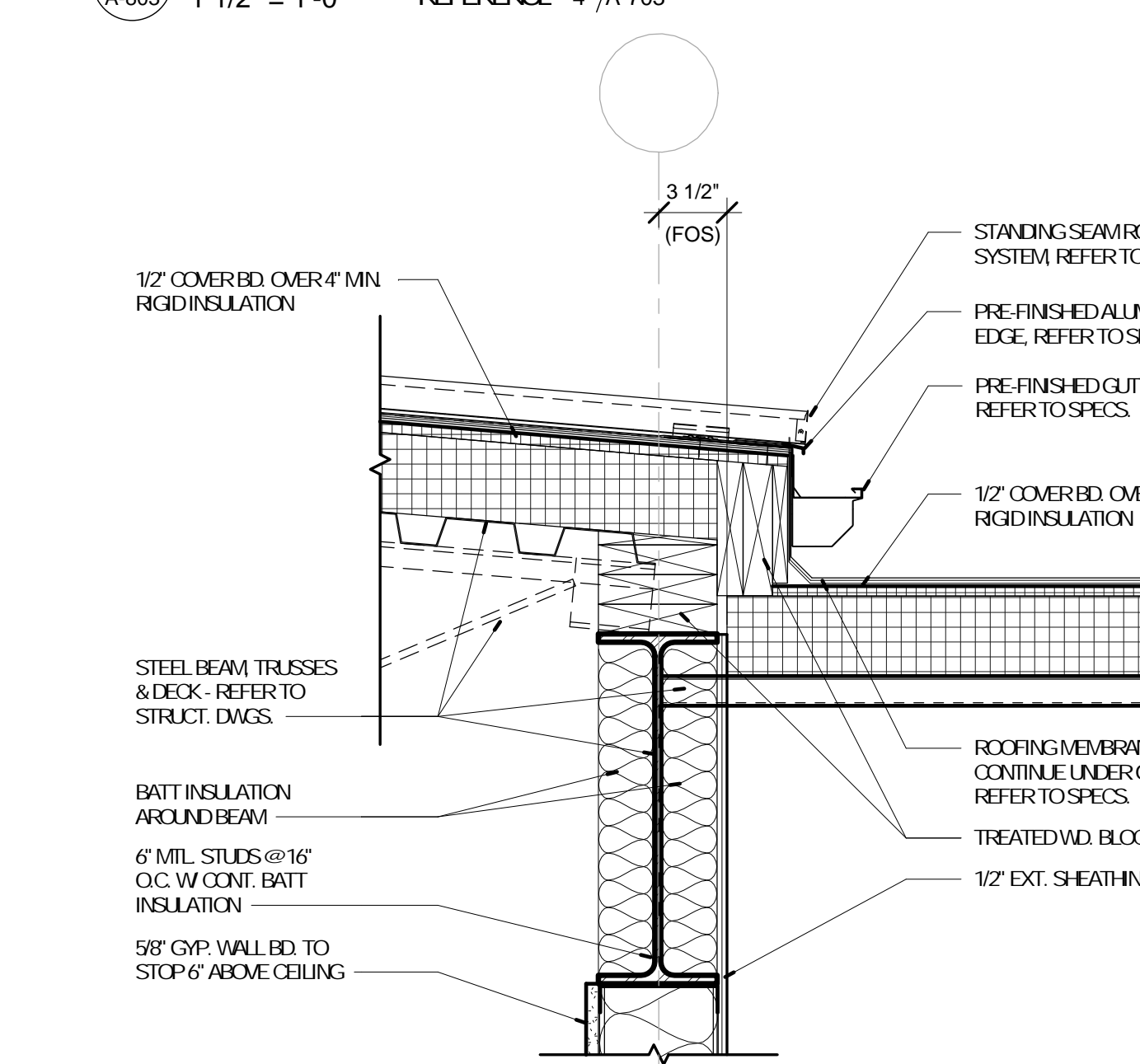
4 WALL DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 3 /A-703



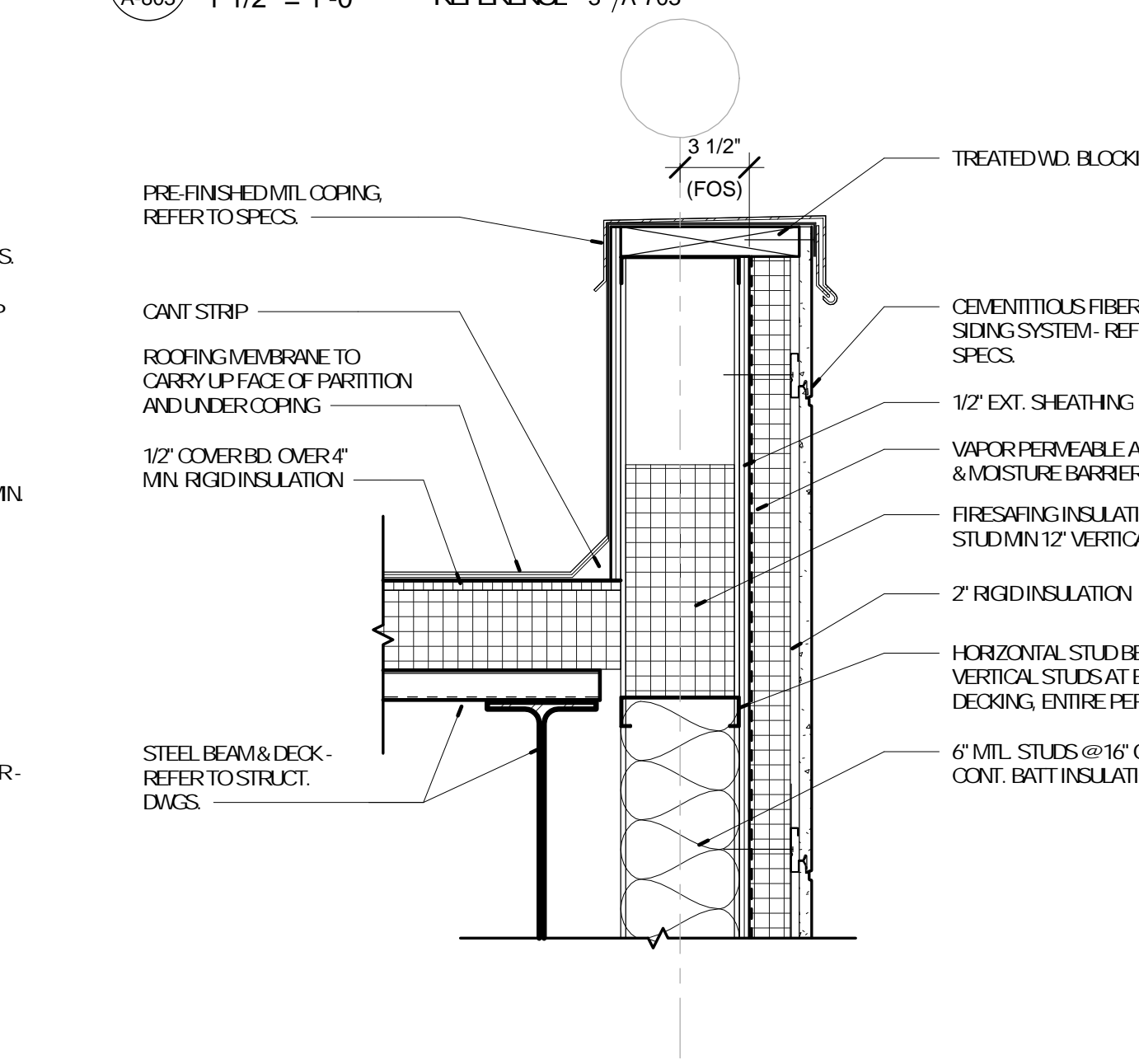
5 WALL DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 2 /A-402



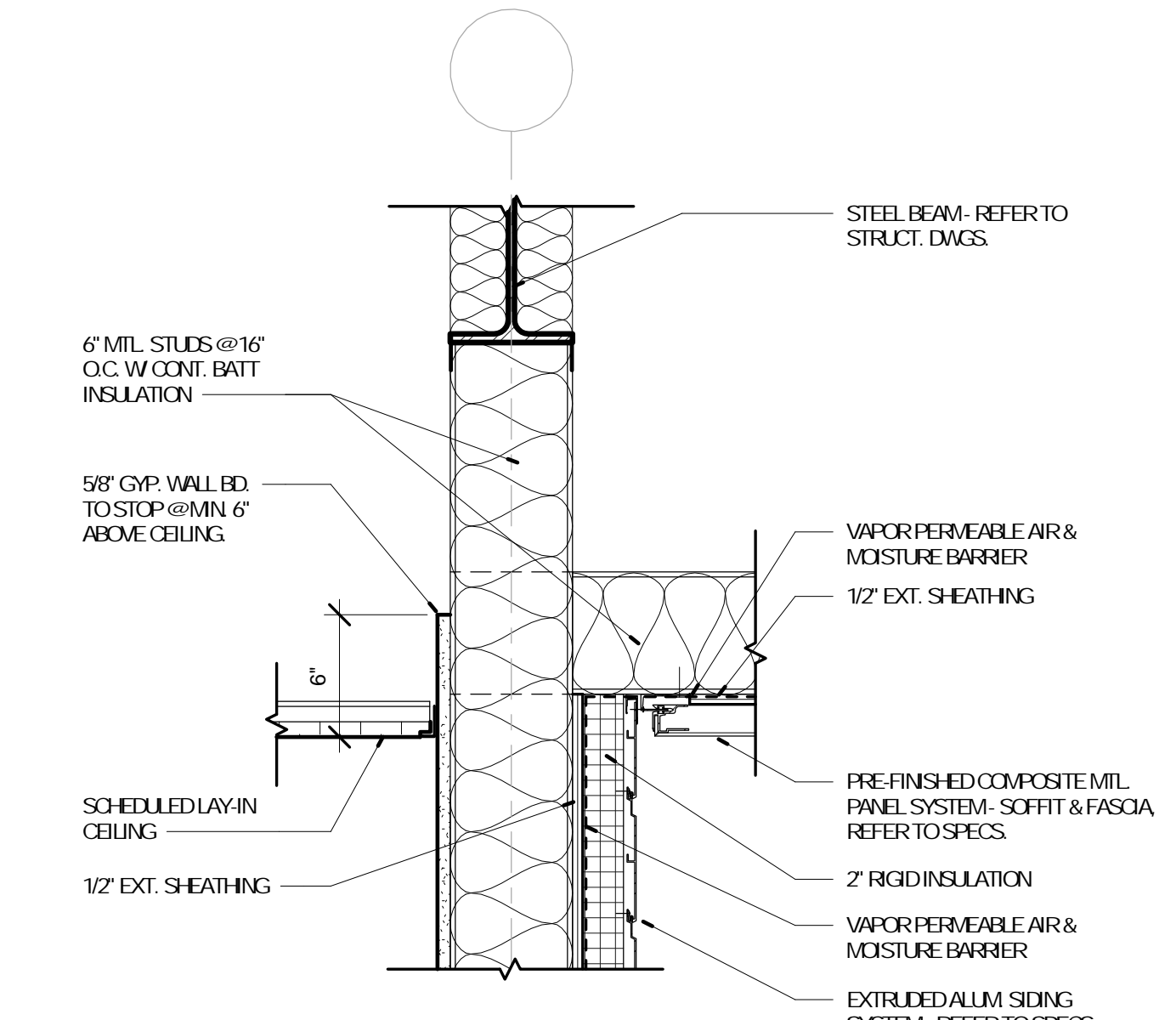
6 WALL DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 3 /A-703



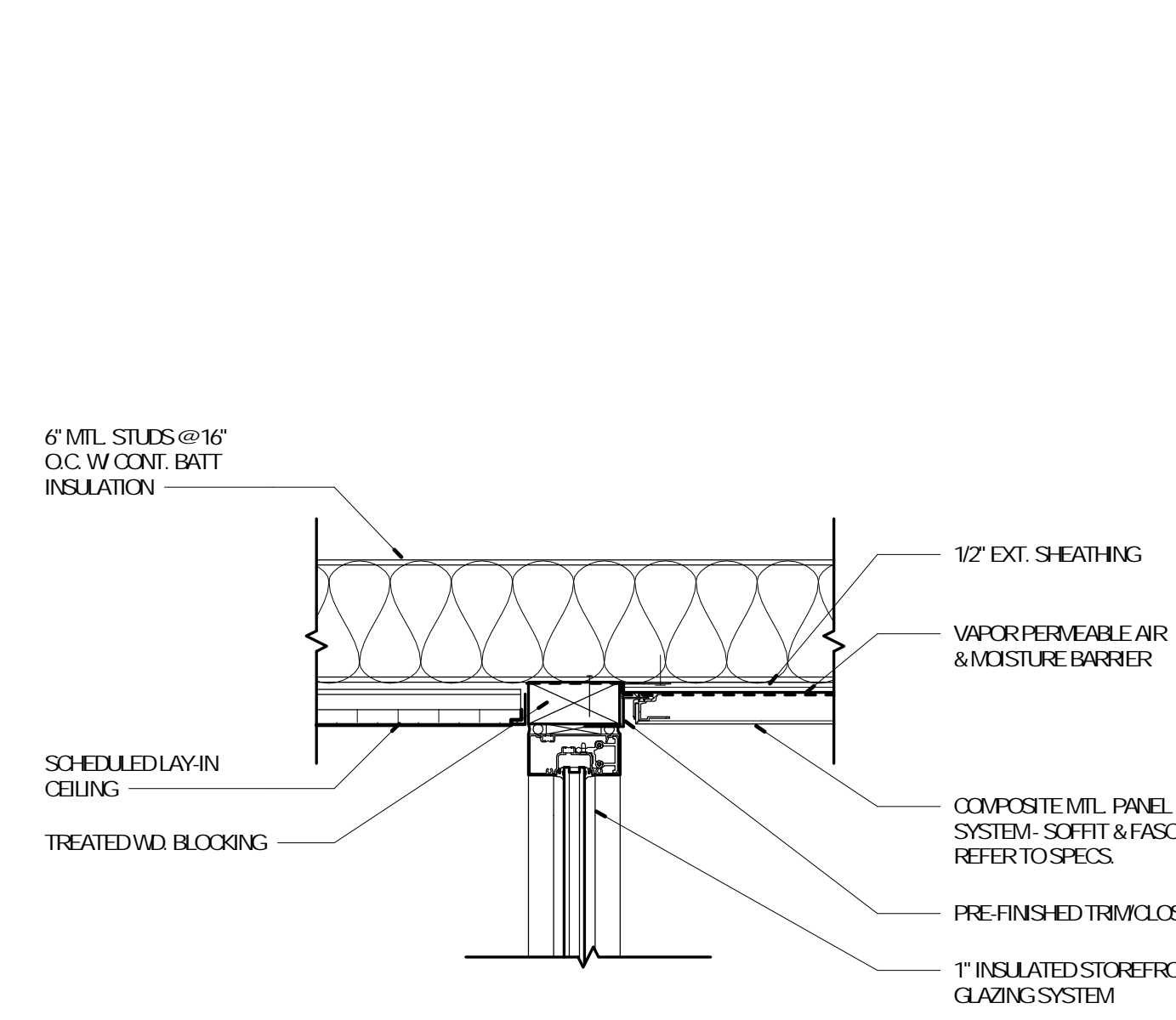
7 WALL DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 2 /A-702



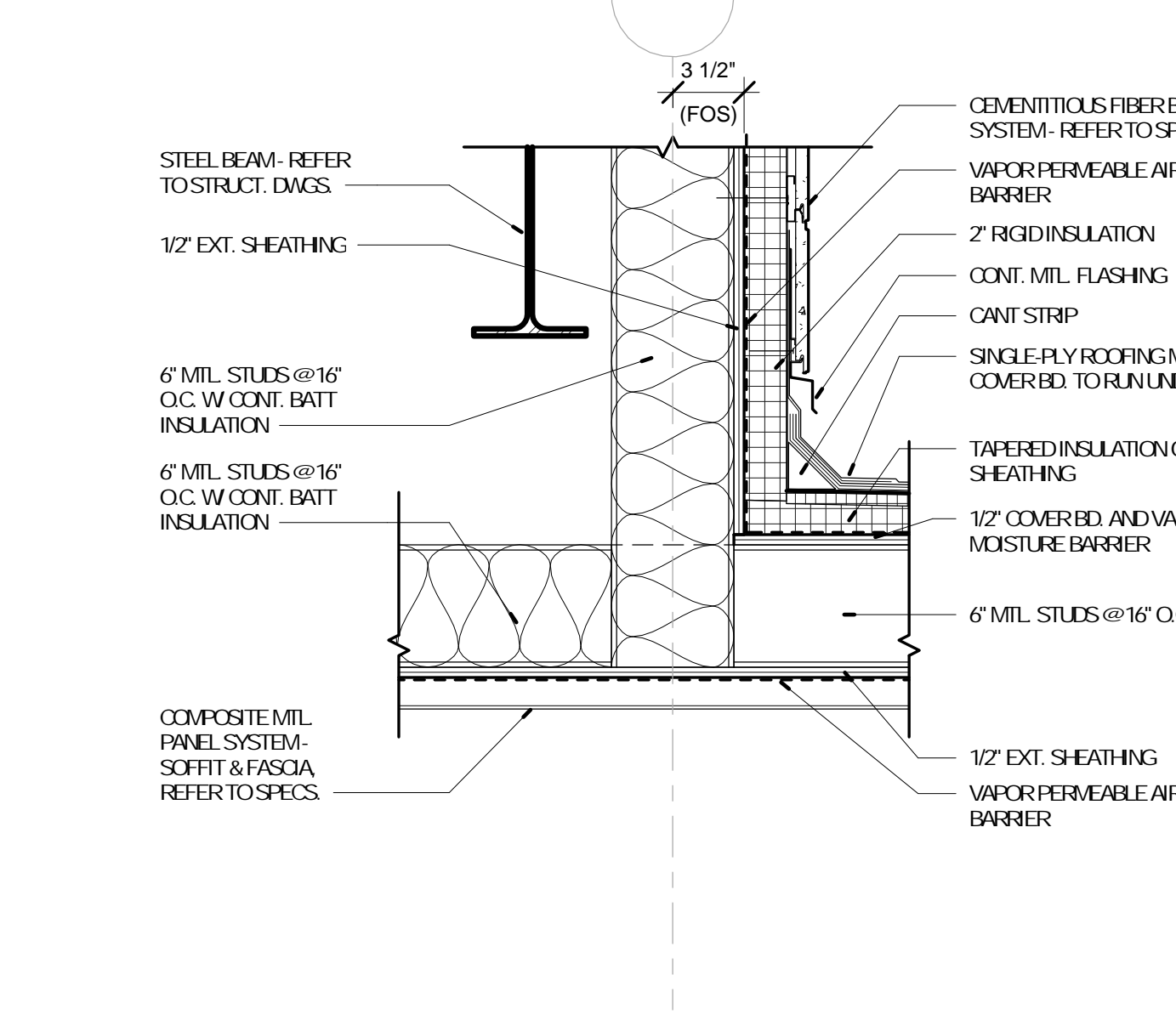
8 WALL DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 2 /A-702



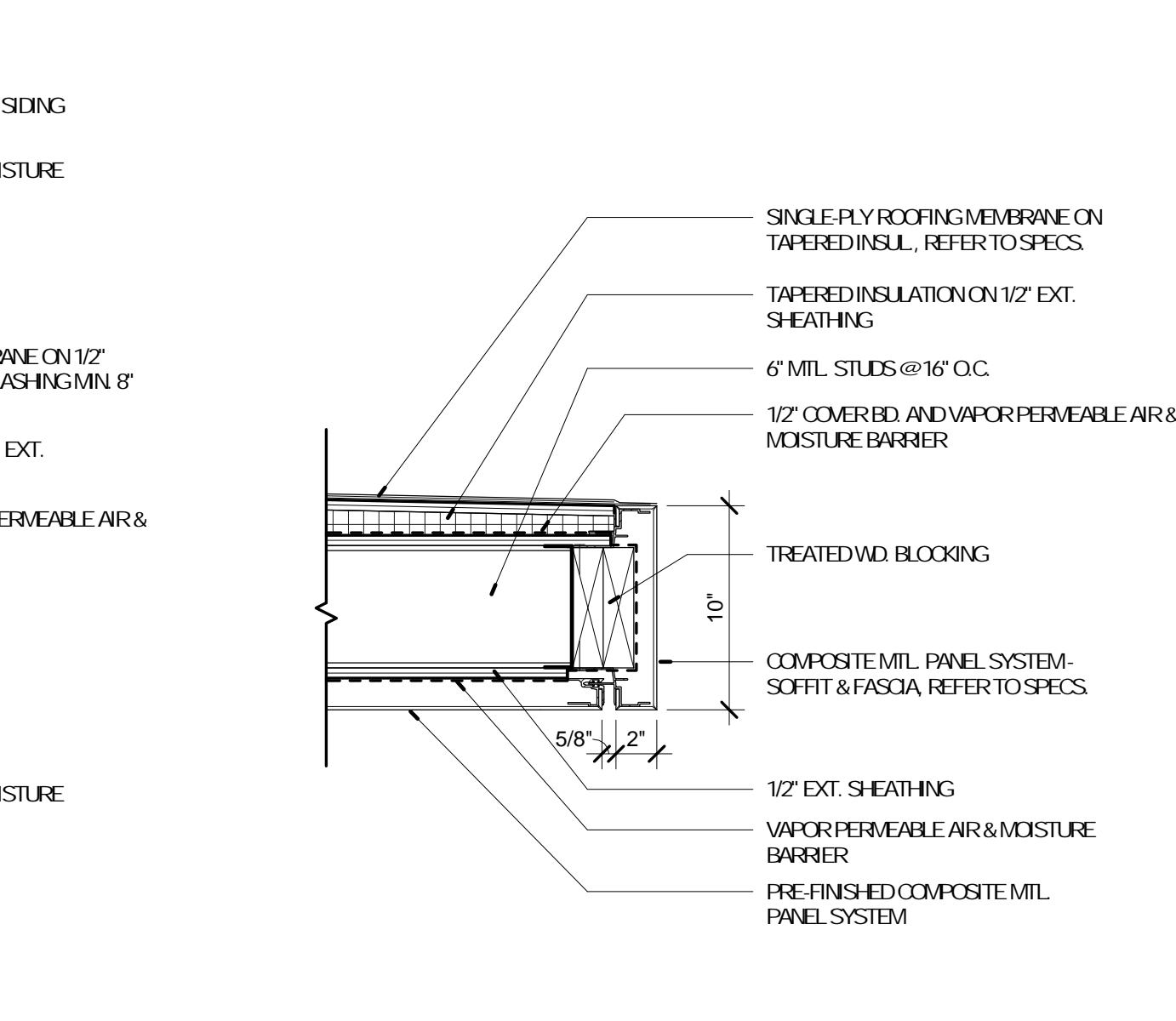
9 CANOPY DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 2 /A-702



10 CANOPY DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 3 /A-702

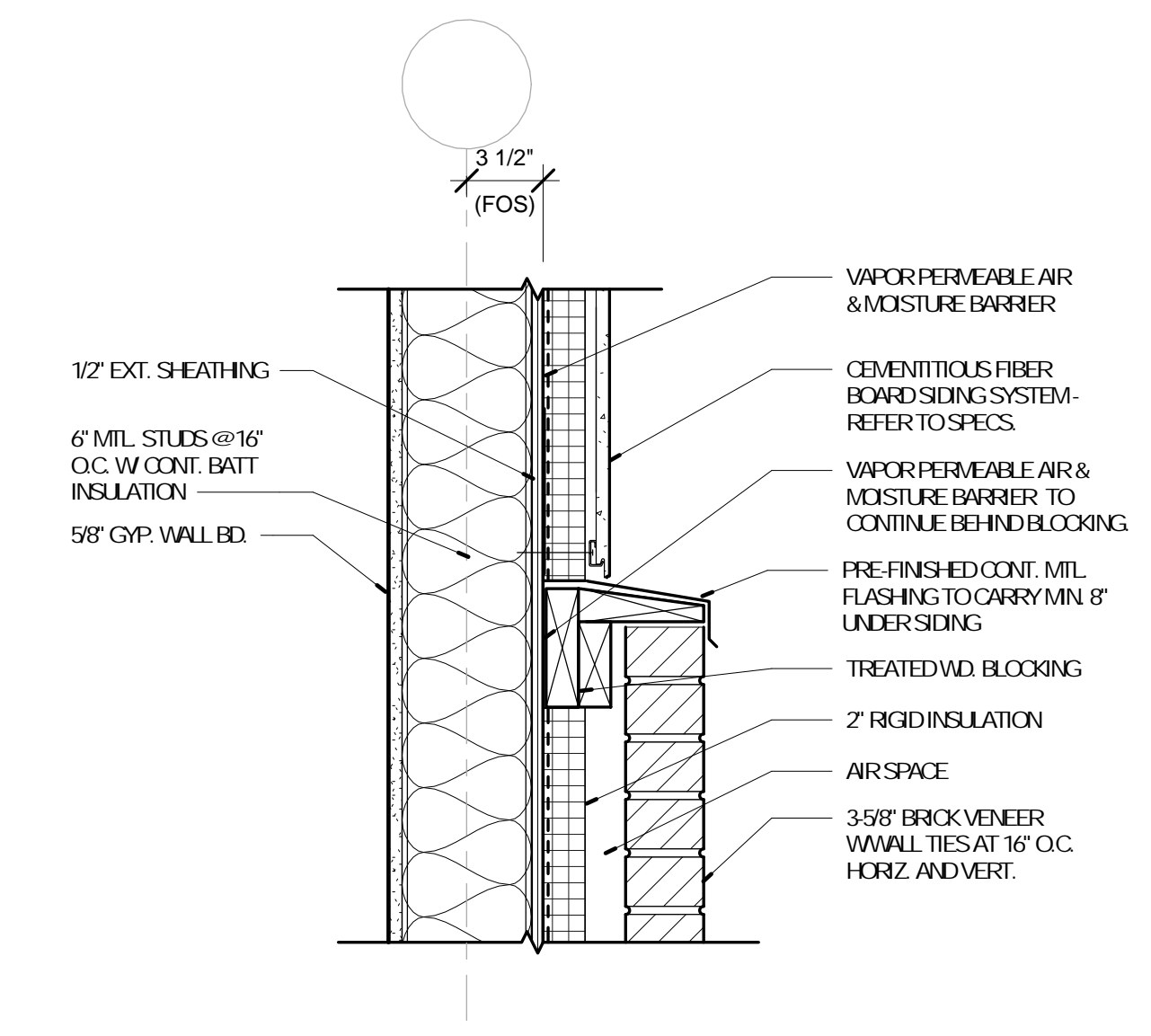


11 CANOPY DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 2 /A-702

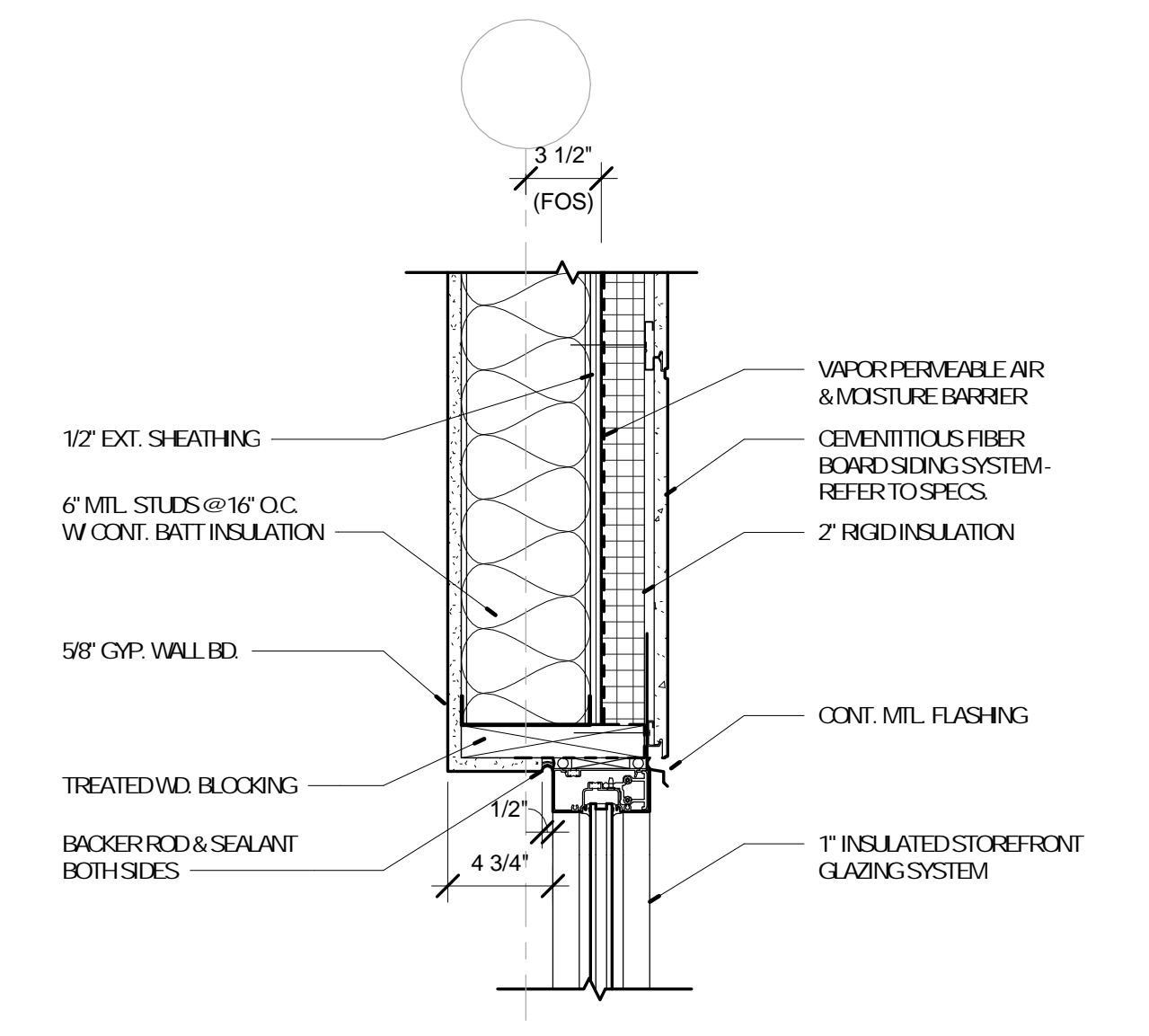


12 CANOPY DETAIL
A-803 1 1/2" = 1'-0" REFERENCE 2 /A-702

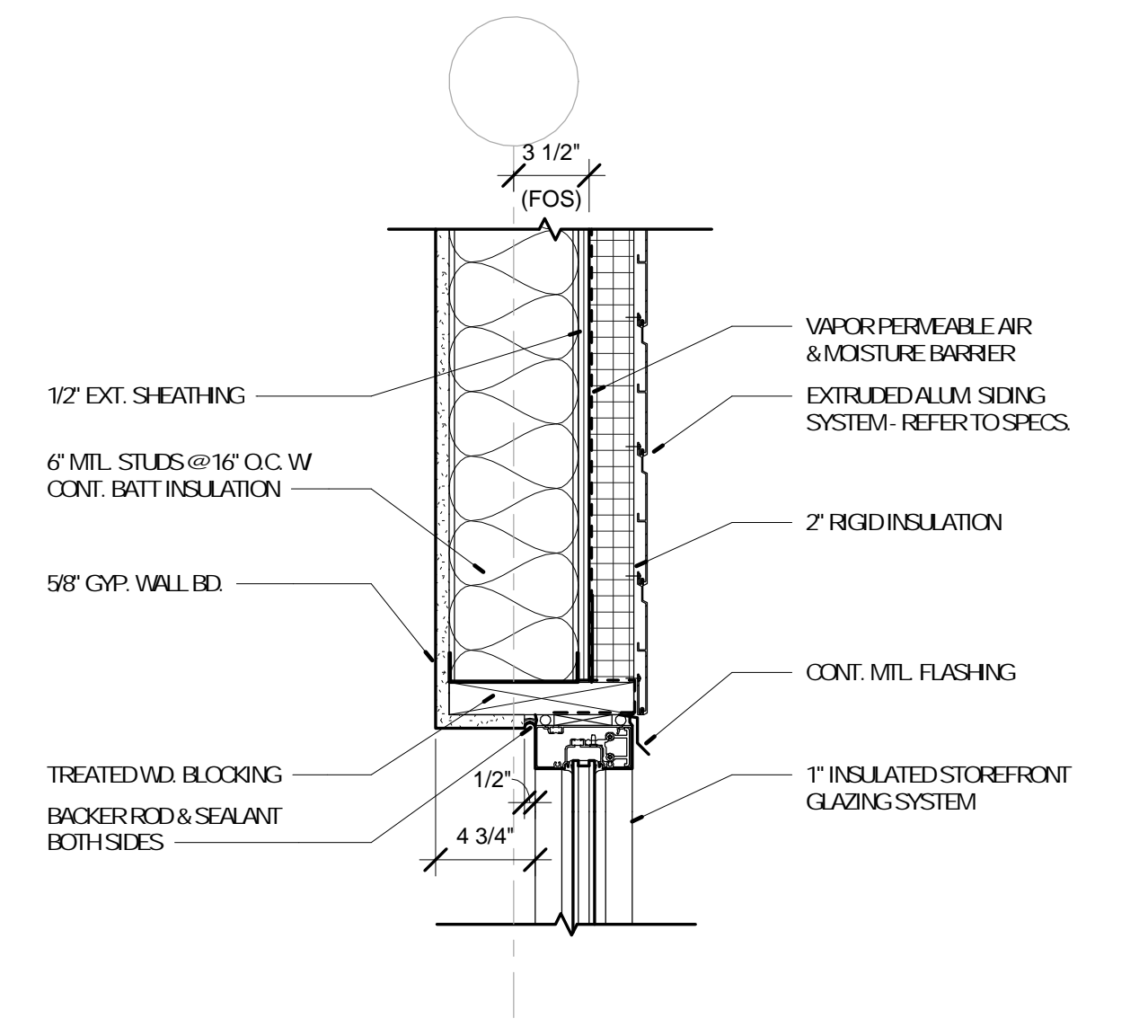
No.	Date	Description
	04/14/17	ISSUED FOR BID



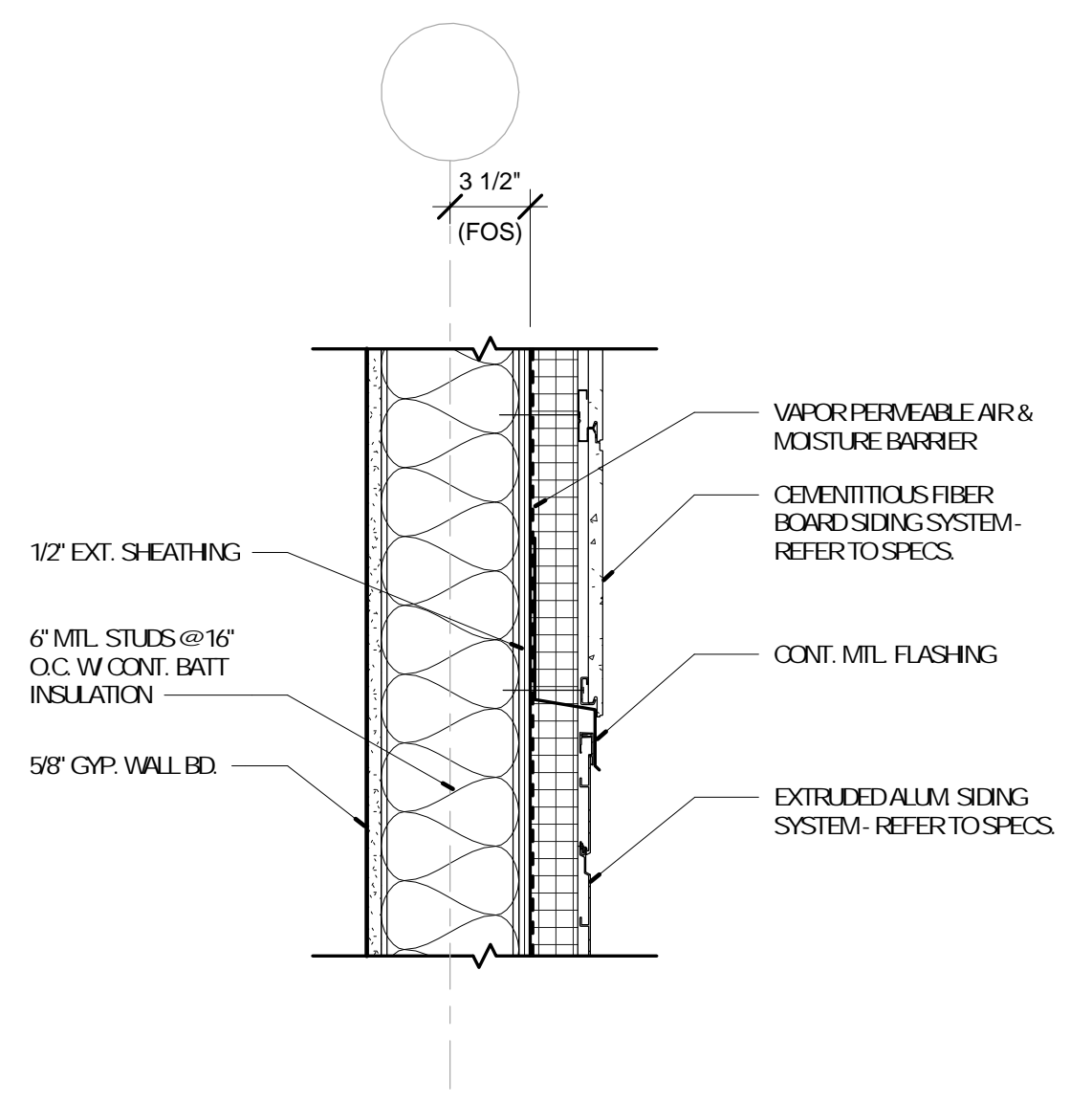
4 WALL TRANSITION DETAIL
A-804 1 1/2" = 1'-0" REFERENCE 1/A-704



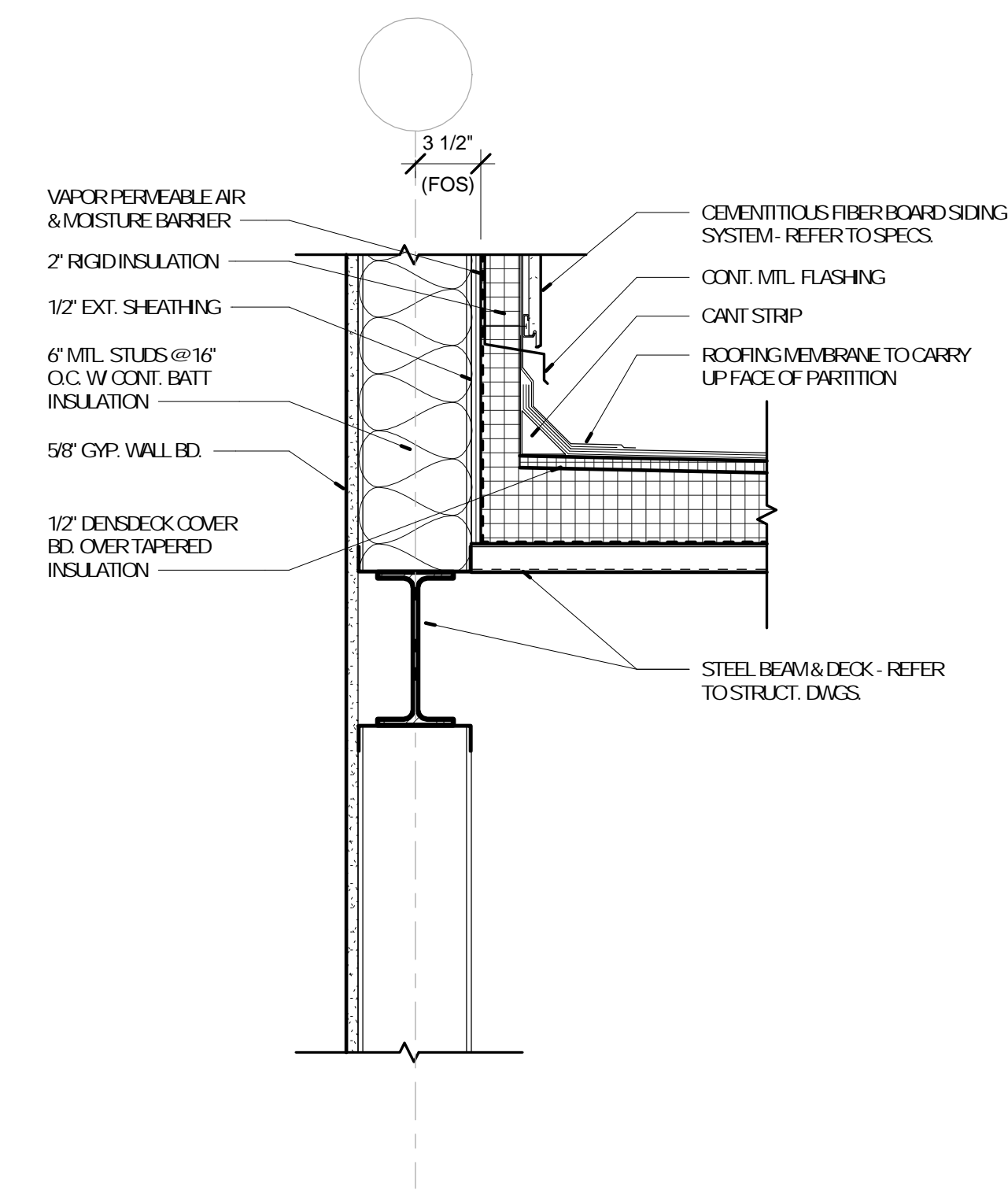
3 WALL TRANSITION DETAIL
A-804 1 1/2" = 1'-0" REFERENCE 2/A-703



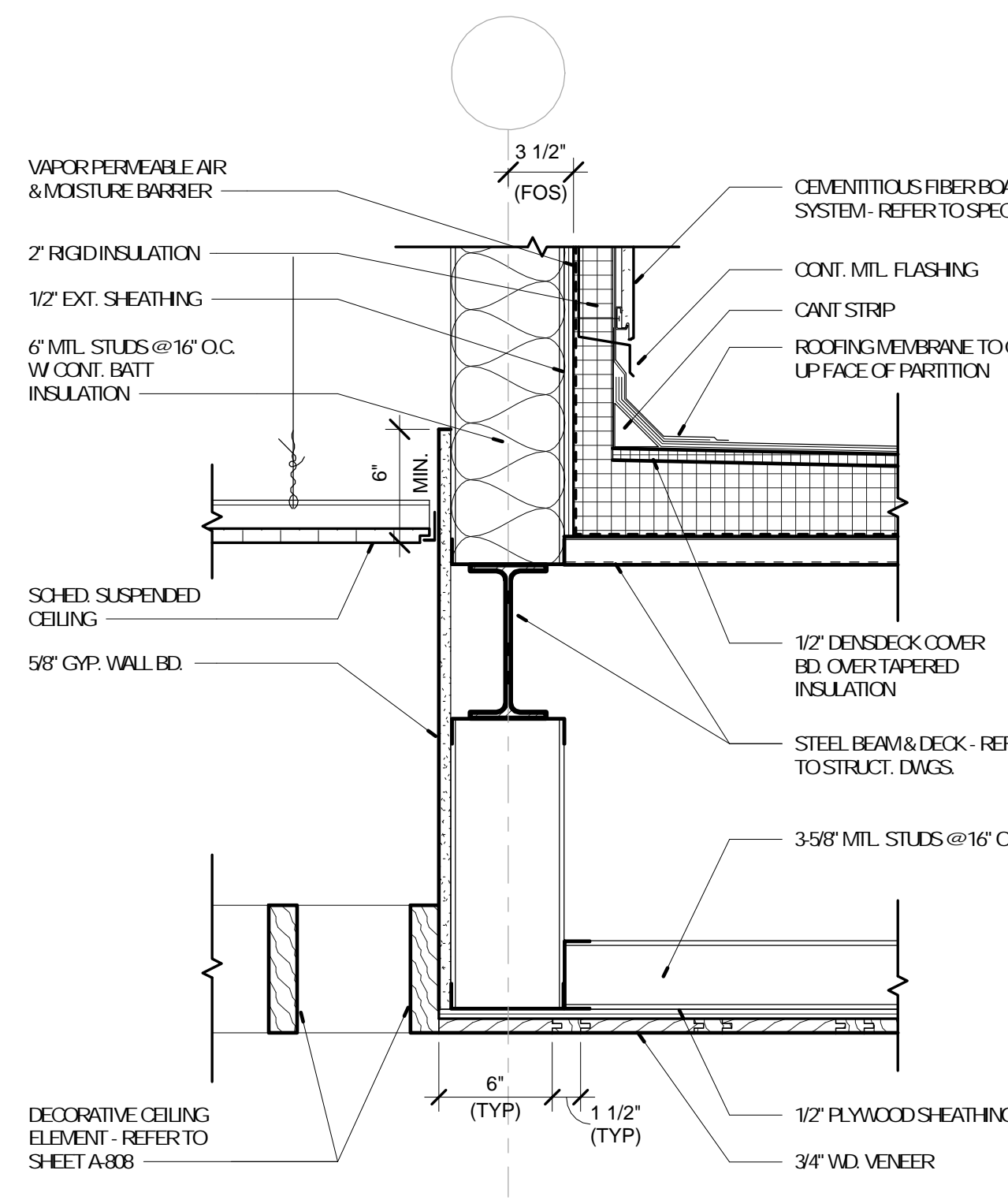
2 WALL TRANSITION DETAIL
A-804 1 1/2" = 1'-0" REFERENCE 1/A-704



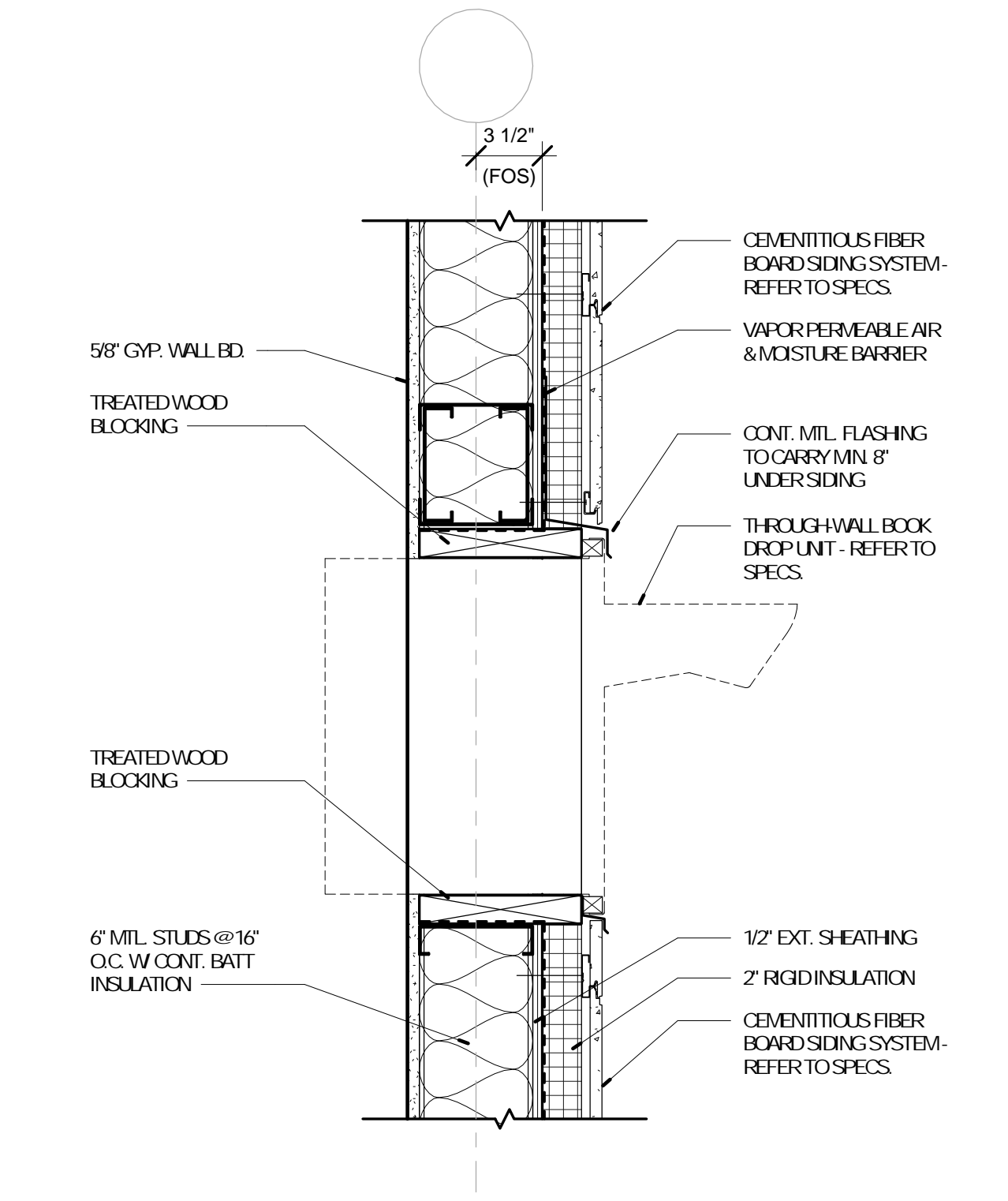
1 WALL BASE DETAIL
A-804 1 1/2" = 1'-0" REFERENCE 1/A-702



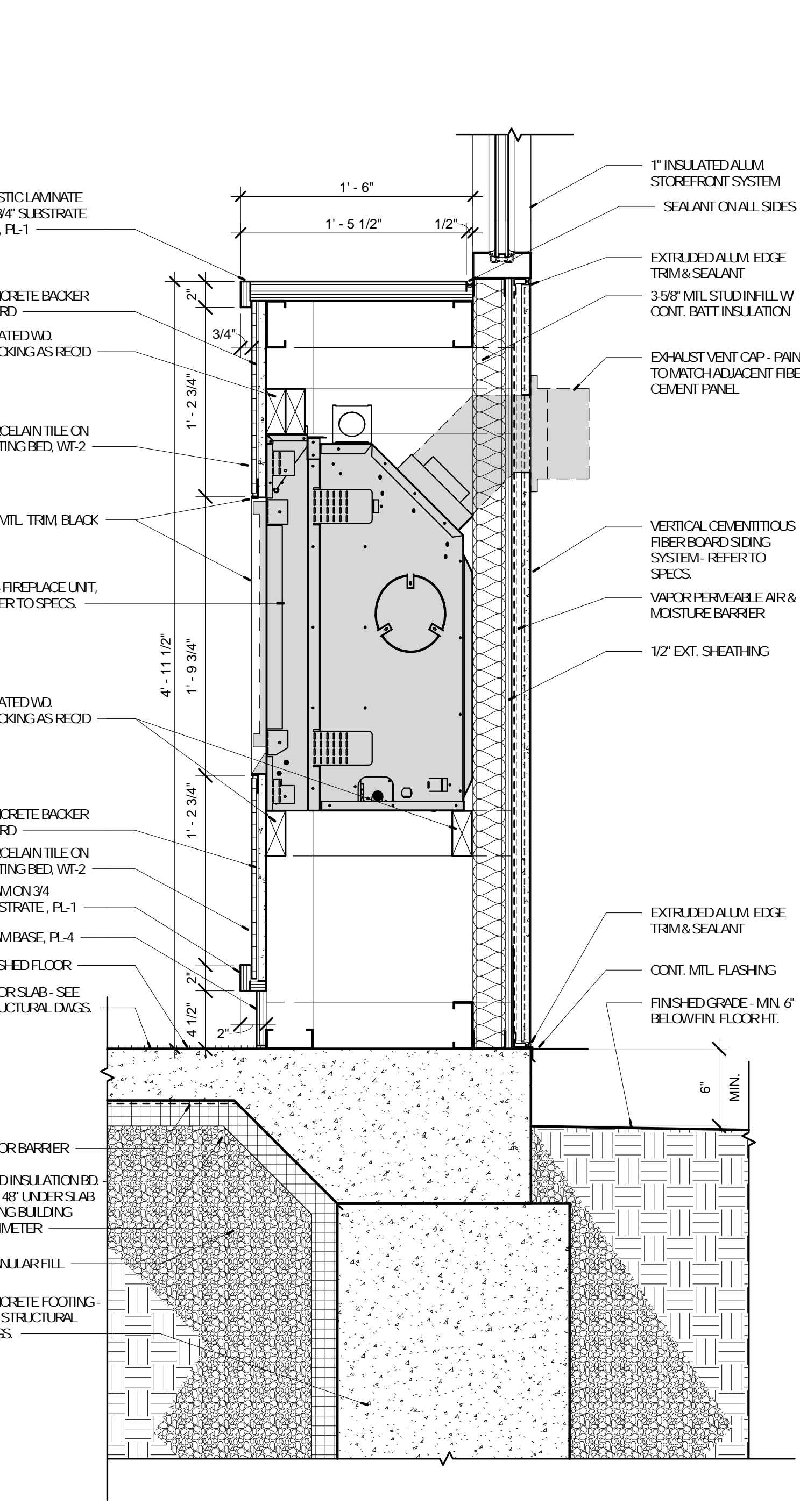
8 WALL TRANSITION DETAIL
A-804 1 1/2" = 1'-0" REFERENCE 2/A-704



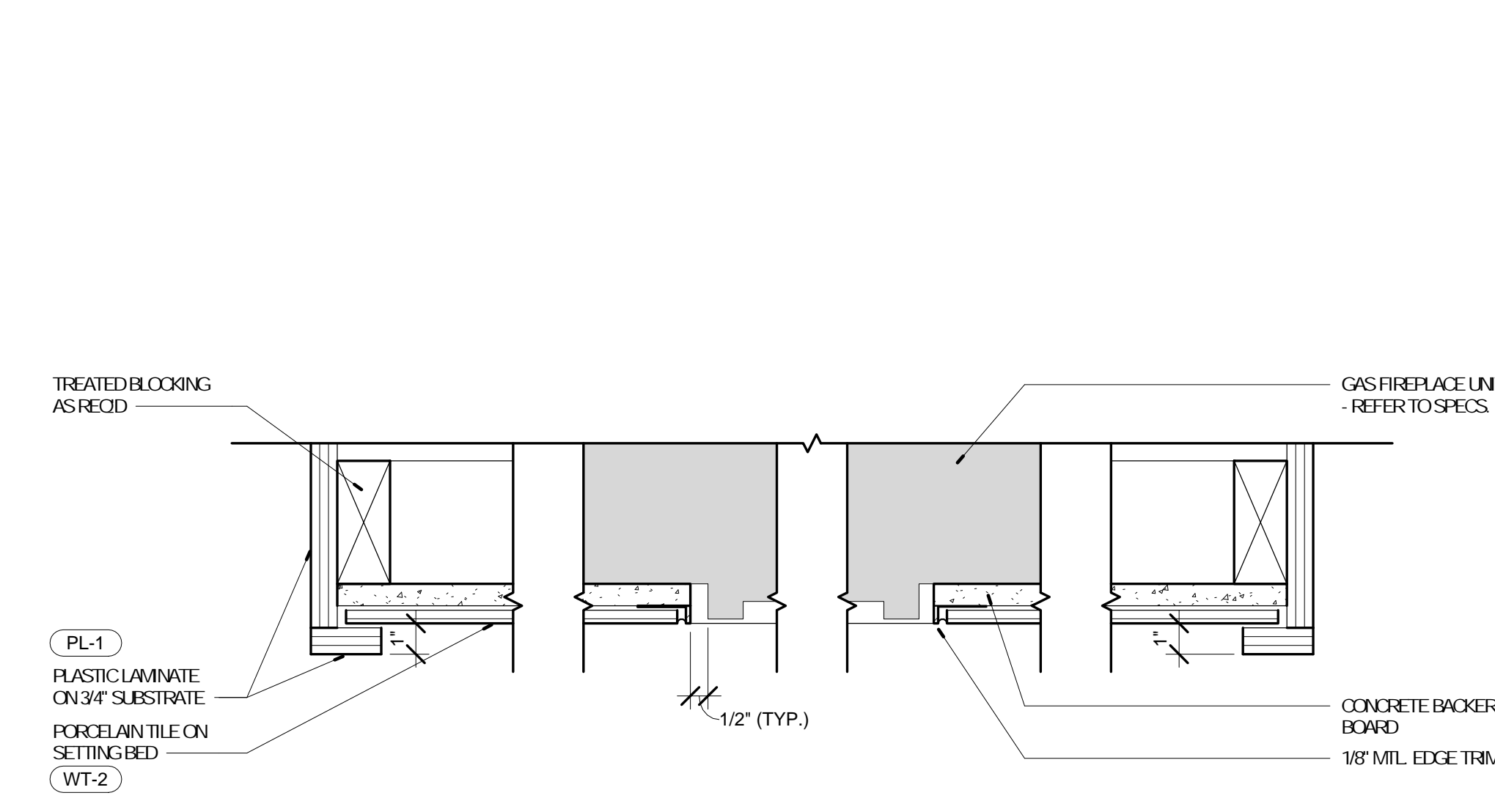
7 WALL TRANSITION DETAIL
A-804 1 1/2" = 1'-0" REFERENCE 3/A-703



5 WALL DETAIL - BOOK DROP
A-804 1 1/2" = 1'-0" REFERENCE 13/A-801

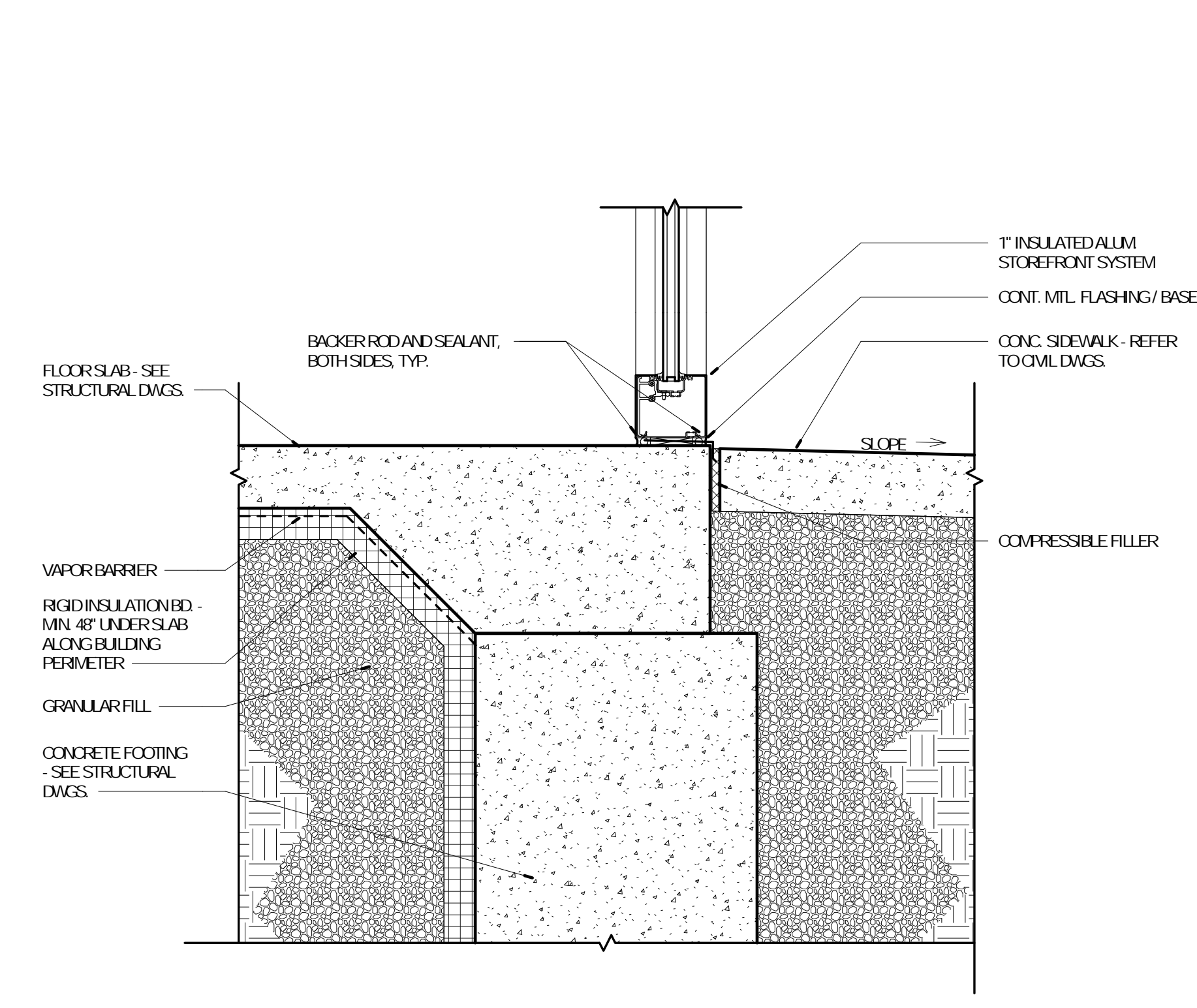


9 WALL BASE & FIREPLACE DETAIL
A-804 1 1/2" = 1'-0" REFERENCE 2/A-704

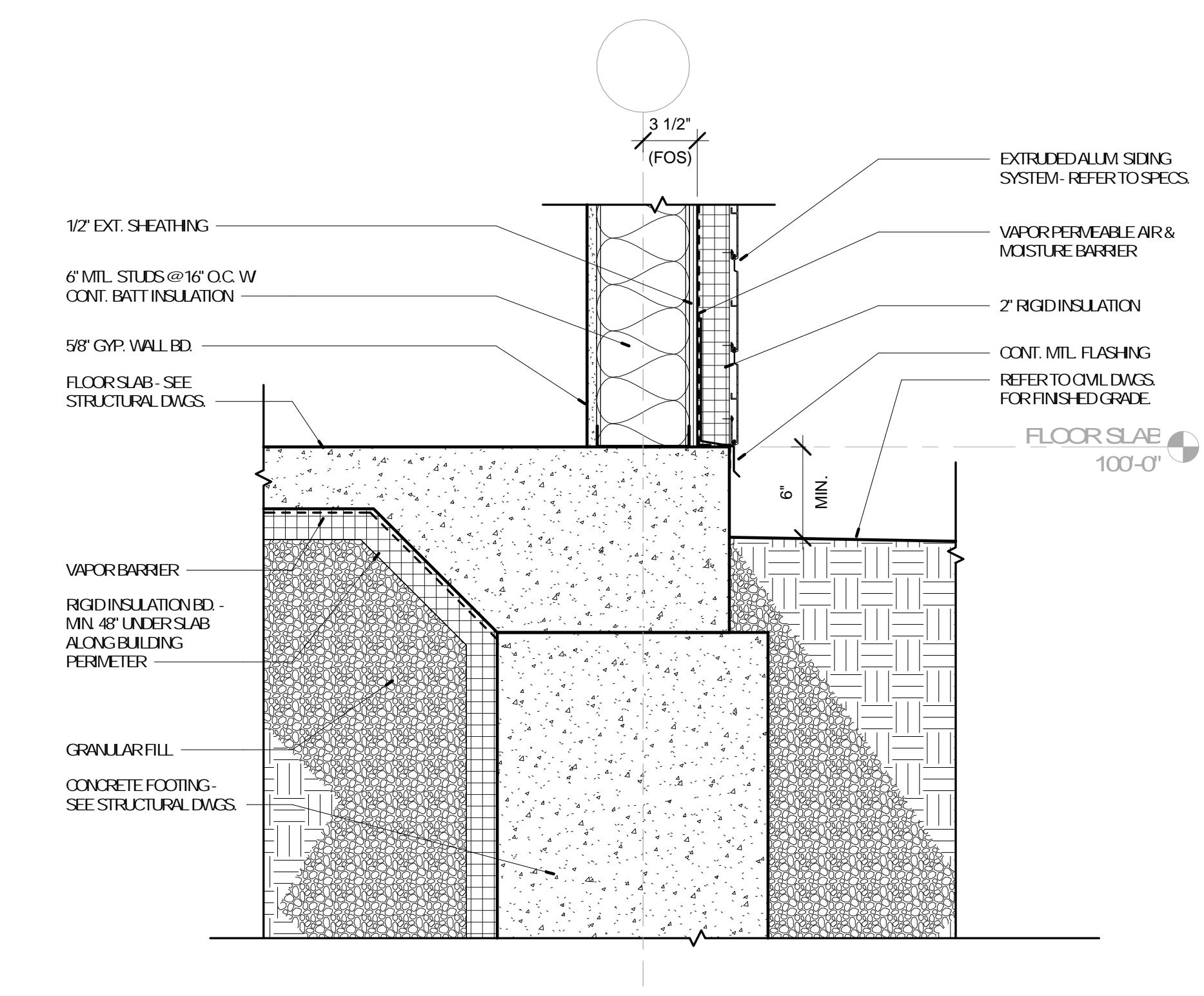


10 FIREPLACE PLAN DETAIL
A-804 3" = 1'-0" REFERENCE /

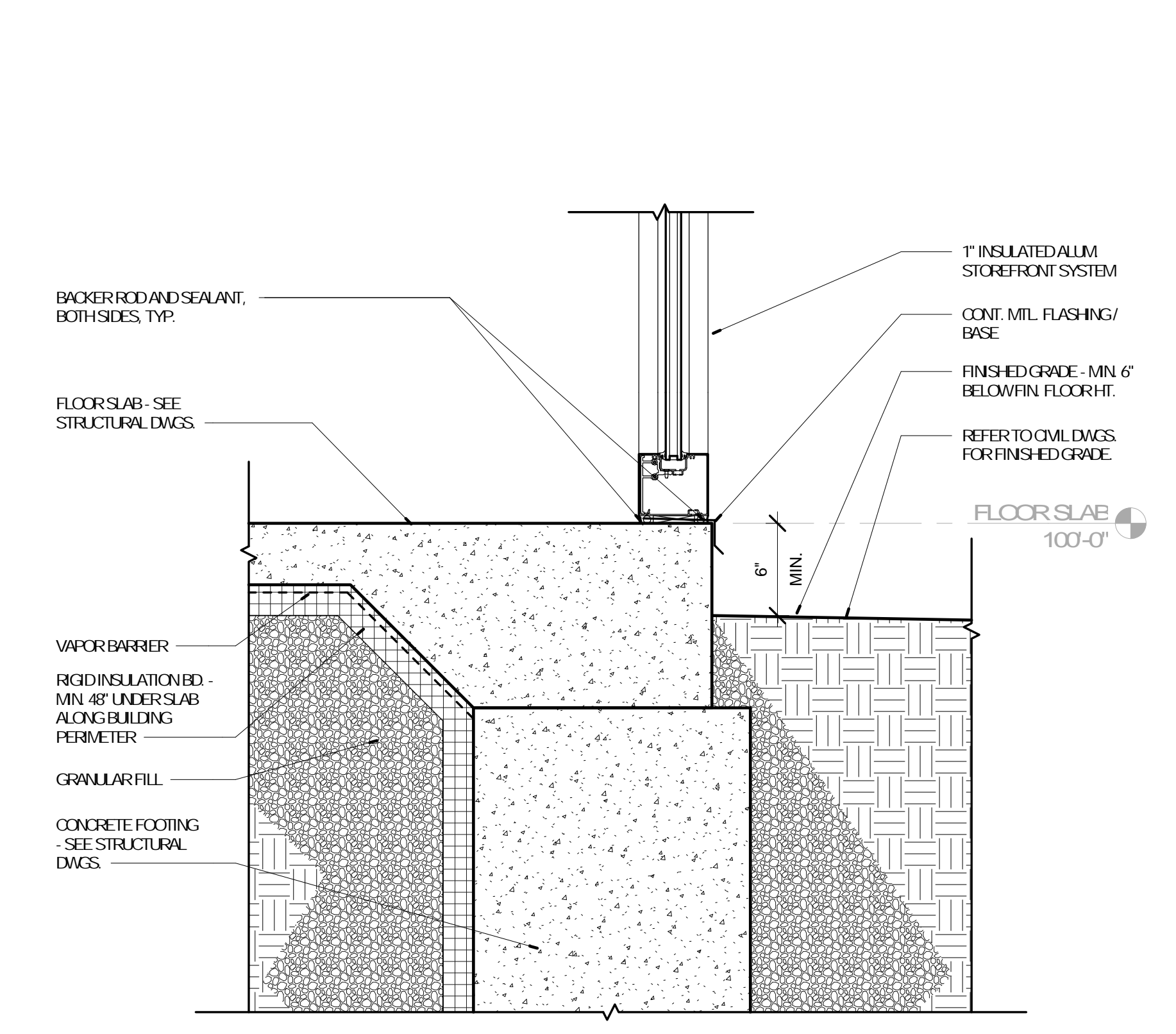
No.	Date	Description
	04/14/17	ISSUED FOR BID



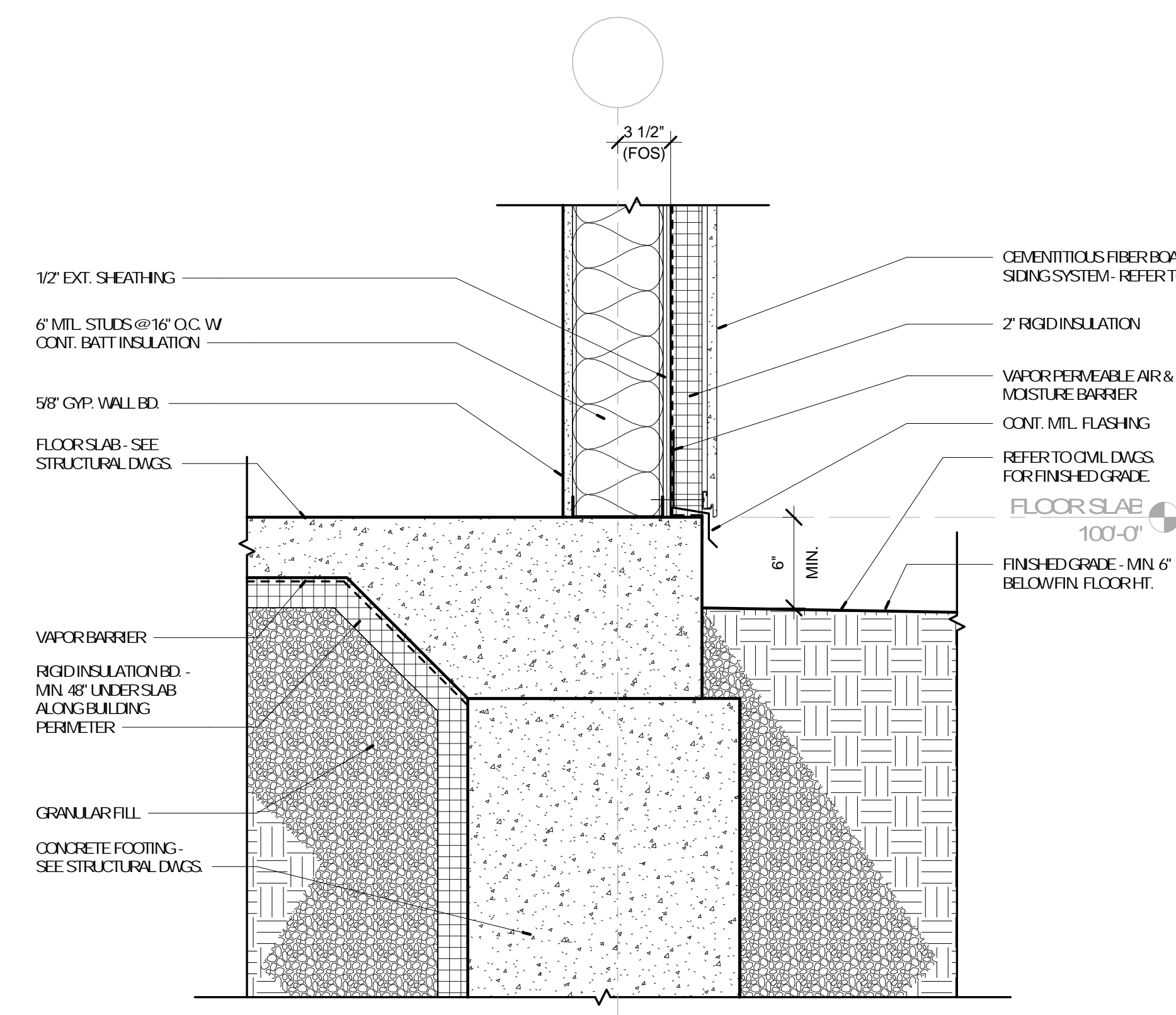
3 WALL BASE DETAIL
A-805 1 1/2" = 1'-0" REFERENCE 3 /A-702



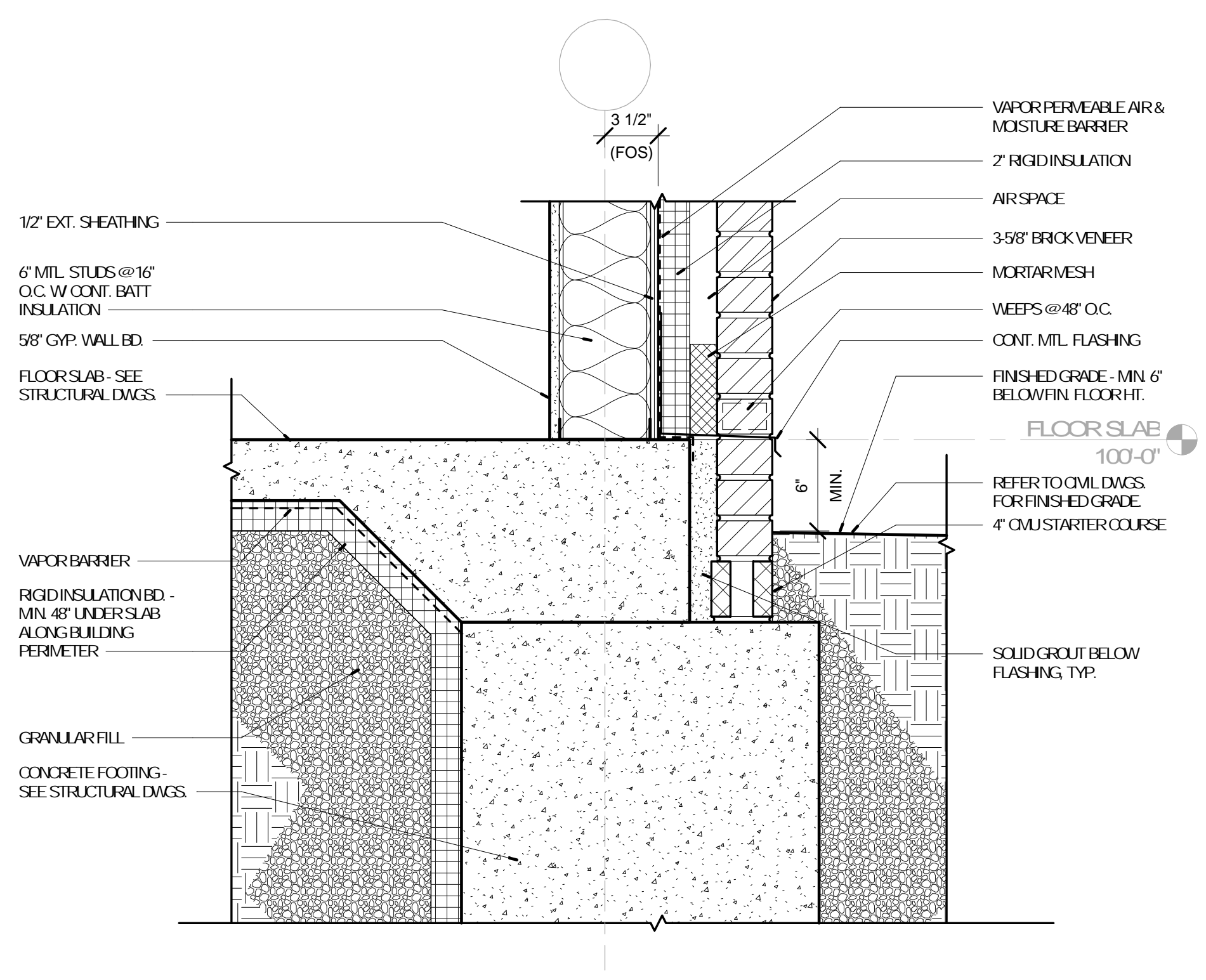
2 WALL BASE DETAIL
A-805 1 1/2" = 1'-0" REFERENCE 1 /A-702



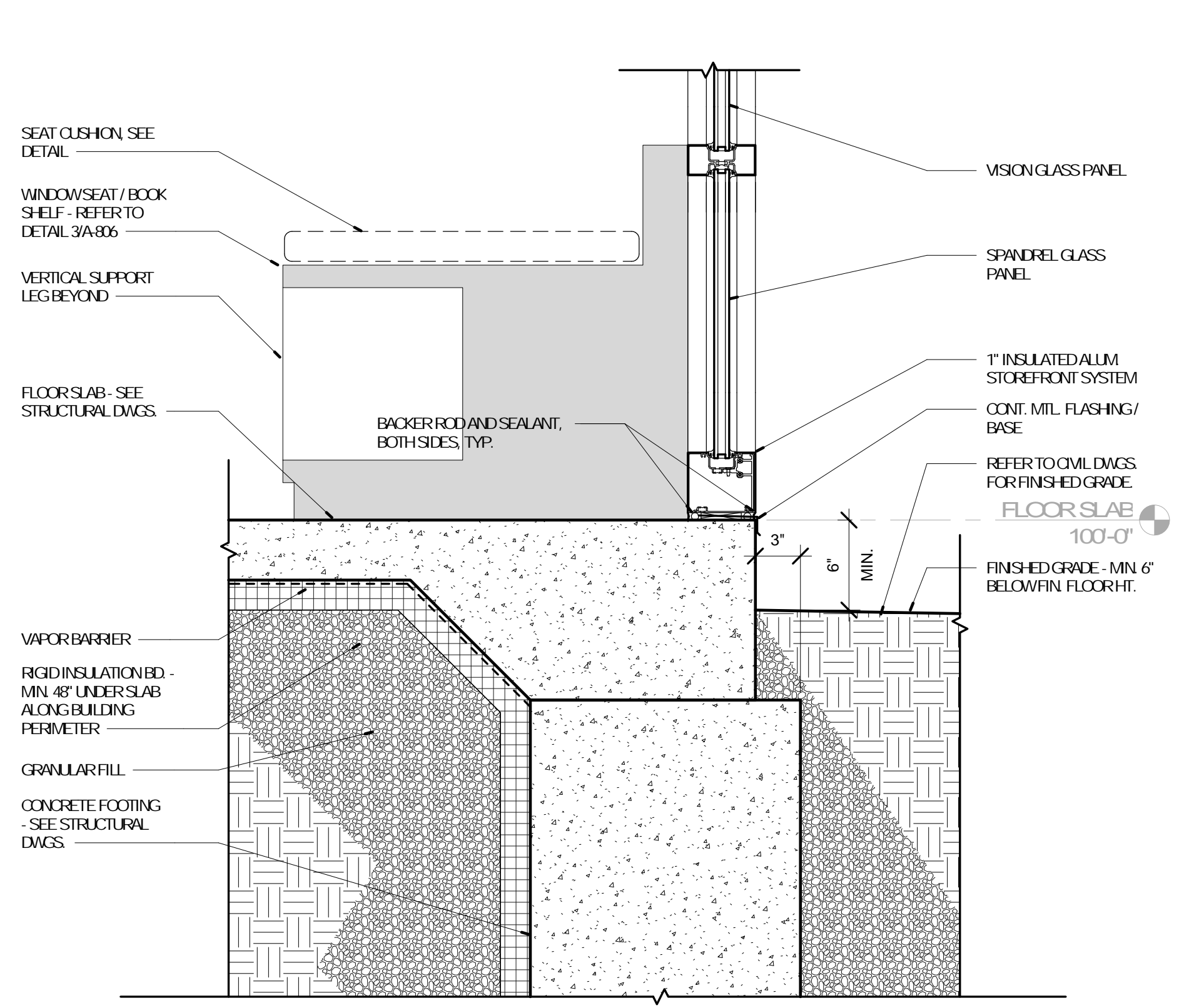
6 WALL BASE DETAIL
A-805 1 1/2" = 1'-0" REFERENCE 2 /A-703



5 WALL BASE DETAIL
A-805 1 1/2" = 1'-0" REFERENCE 1 /A-703



1 WALL BASE DETAIL
A-805 1 1/2" = 1'-0" REFERENCE /



4 WALL BASE DETAIL
A-805 1 1/2" = 1'-0" REFERENCE /

SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390



ARCHITECT OF RECORD
JEMA
3006 LOUEST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
EMAIL: SCLARK@JEMASTL.COM

DESIGN ARCHITECT
SAFFI DESIGN ASSOCIATES ARCHITECTS
3750 SOLJIT FREMONT
SPRINGFIELD, MO 65804
T (417) 877-9600
F (417) 877-9696
CONTACT: JAMES STUFFLEBEAM
E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COO-PAN
530AE INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VANLEER
T (636) 594-0540
F (636) 594-0512
EMAIL: DVANLEER@COO-PAN.COM

STRUCTURAL
ALPEPAUL, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 433-9600
F (314) 807-2774
CONTACT: STEVE B-FETT
EMAIL: STEVEB-FETT@ALPEPAUL.COM

MECHANICAL, ELECTRICAL, PLUMBING
ERIC PARTNERSHIP, LLC
343 S. KIRKWOOD ROAD, SUITE 204
KIRKWOOD, MO 63122
T (314) 725-6889
CONTACT: BRUCE COLEMAN
E: BCOLEMAN@ERICPARTNERSHIP.COM

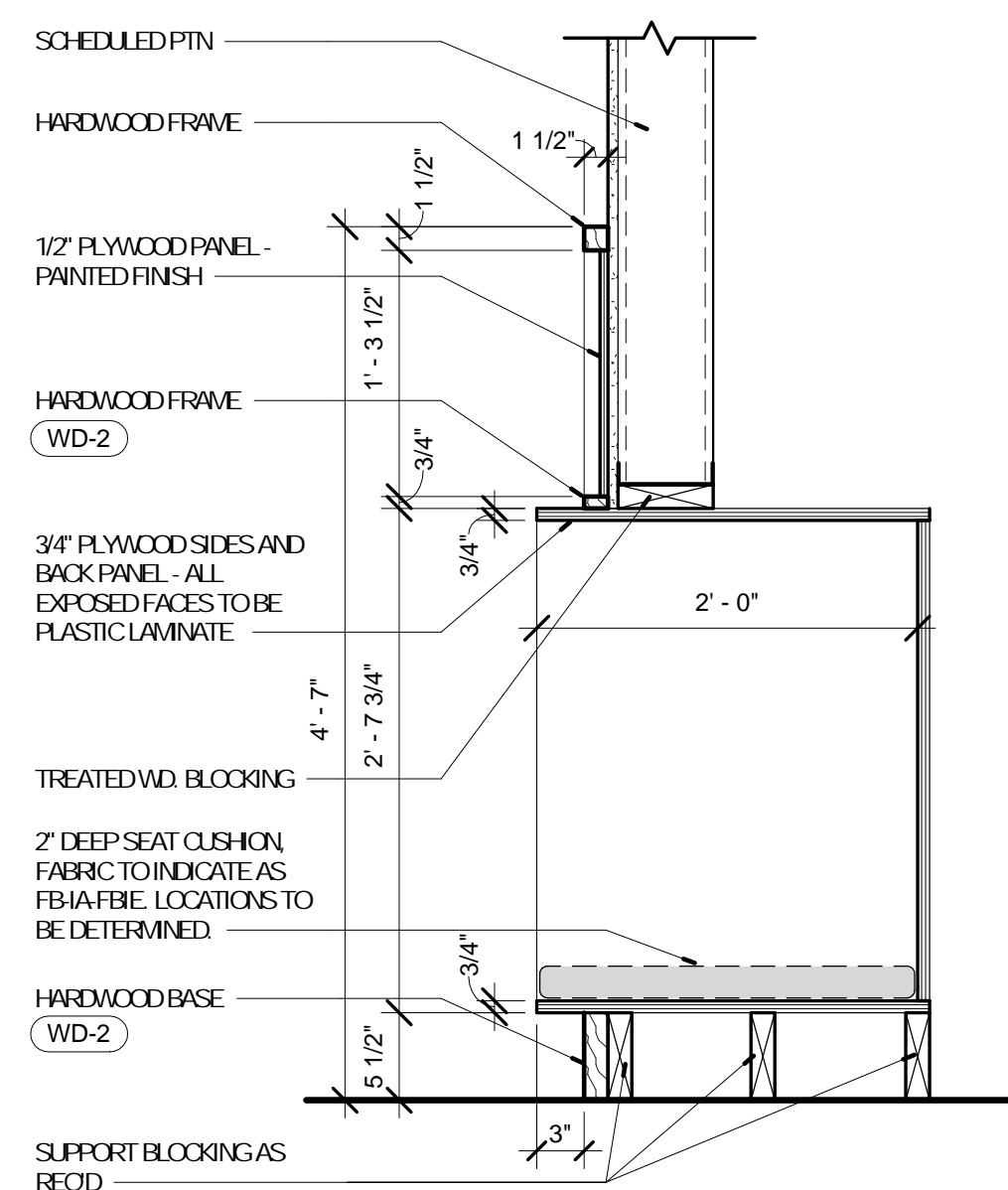
ARCHITECT OF RECORD
JCH-NEDWARD MUELLER
MO ARCHITECTURAL LICENSE A2010039554
MO CERTIFICATE OF AUTHORITY A2014008800

No.	Date	Description
	04/14/17	ISSUED FOR BID

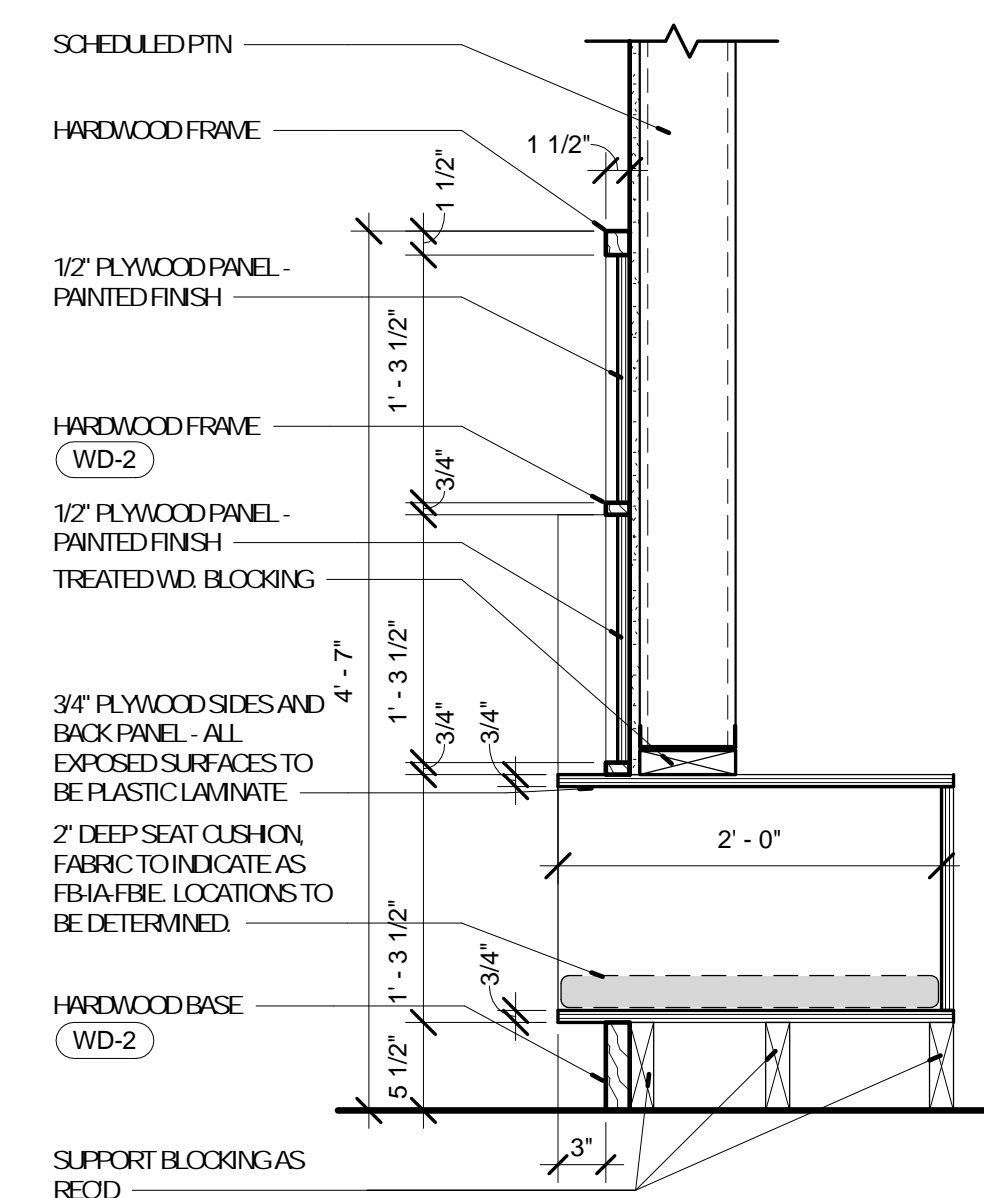
DRAWN BY: SC/SH
PROJECT NUMBER: 16-1161.03

SHEET TITLE:
DETAILS

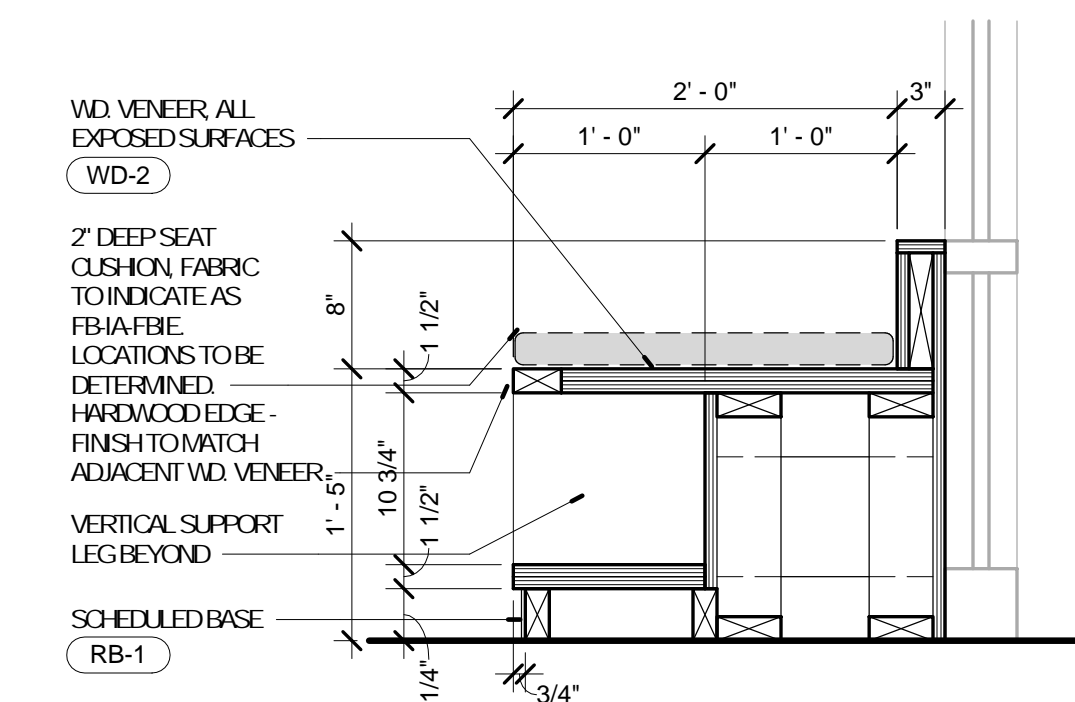
A-806



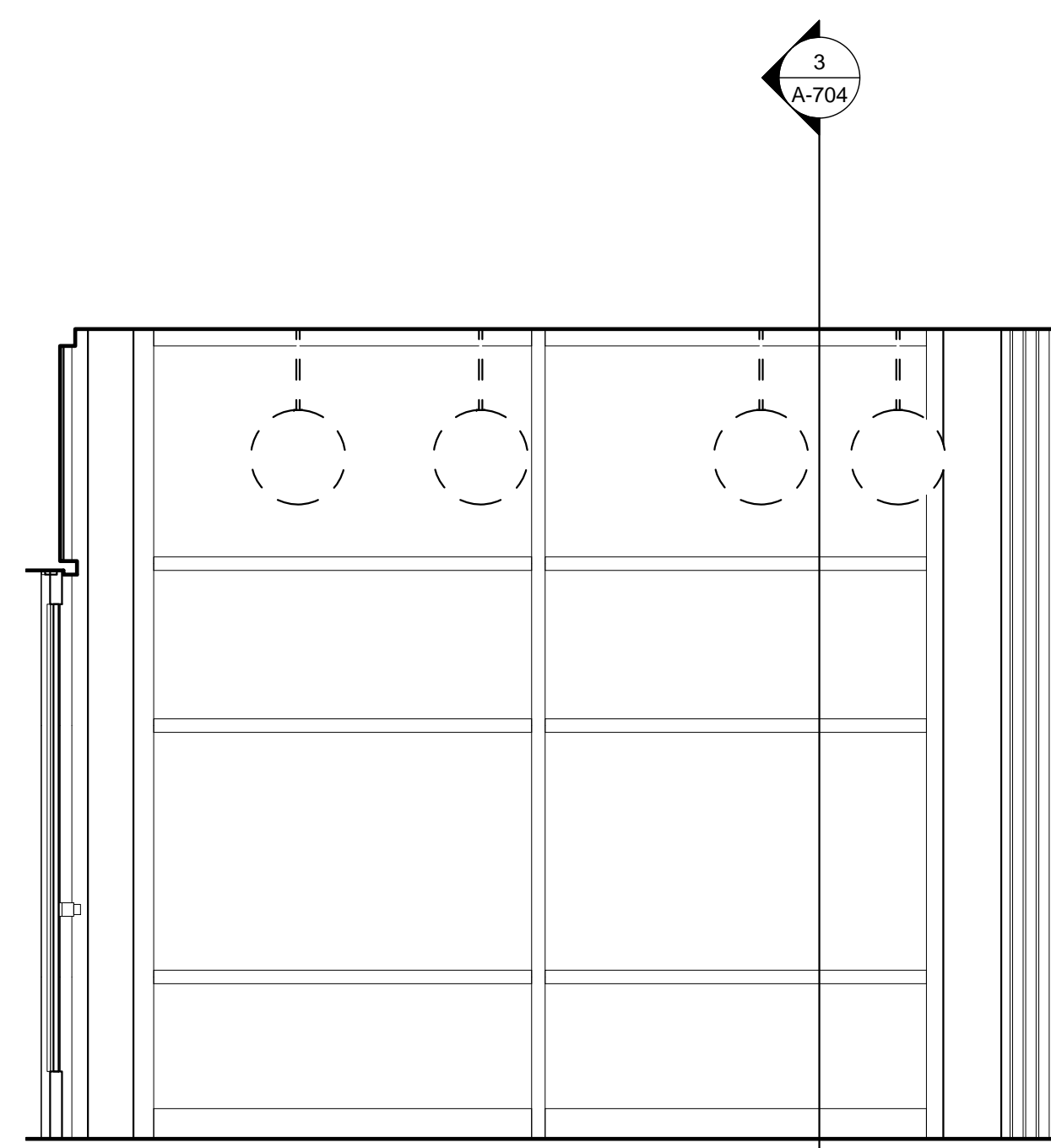
3 DETAIL - CUBBY WALL
A-806 1" = 1'-0"



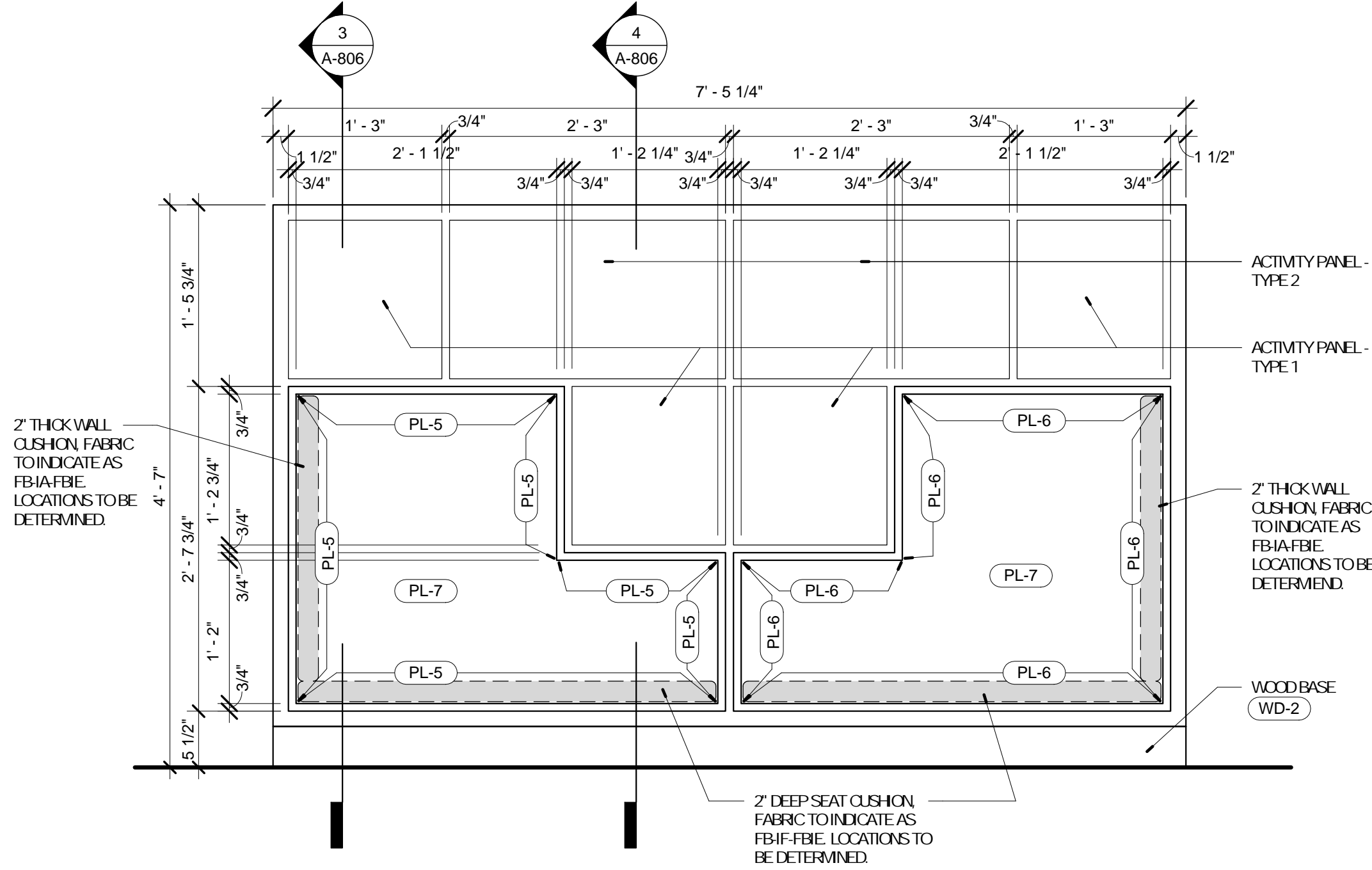
4 DETAIL - CUBBY WALL
A-806 1" = 1'-0"



5 DETAIL - WINDOW SEAT
A-806 1" = 1'-0"

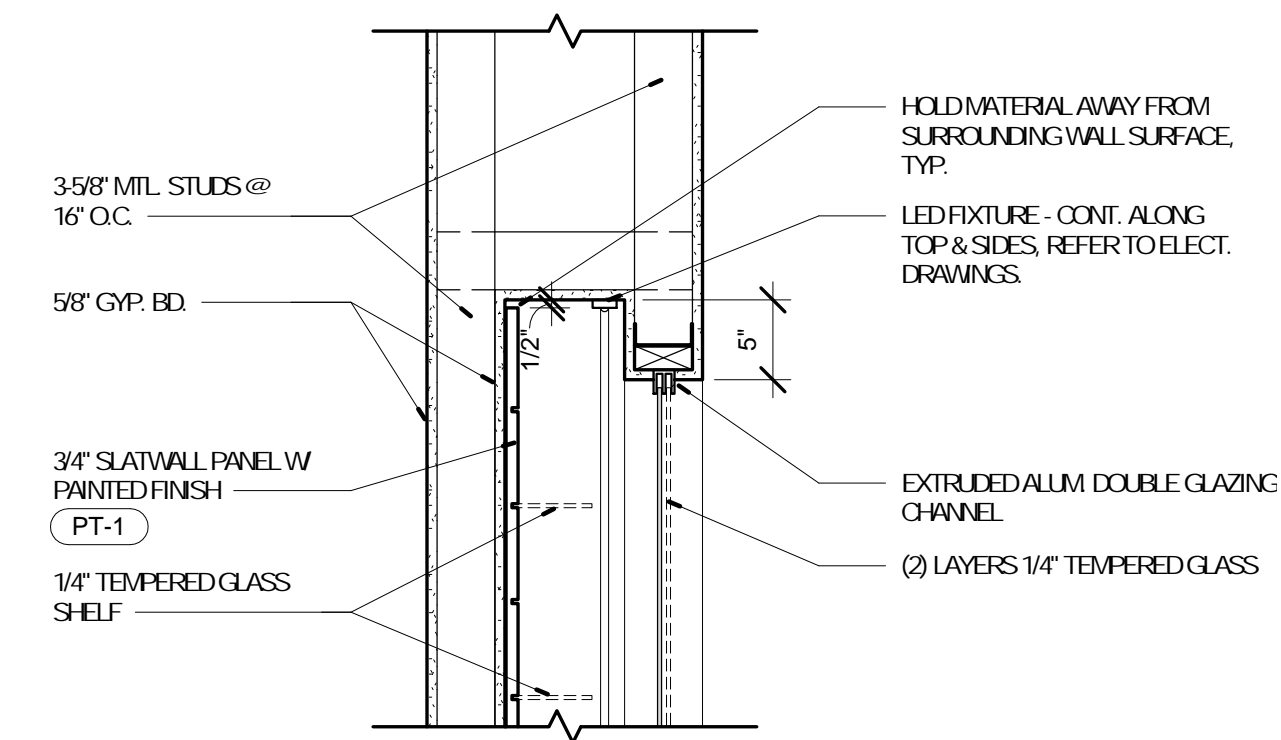


2 CHILDREN - SOUTH
A-806 1/2" = 1'-0"

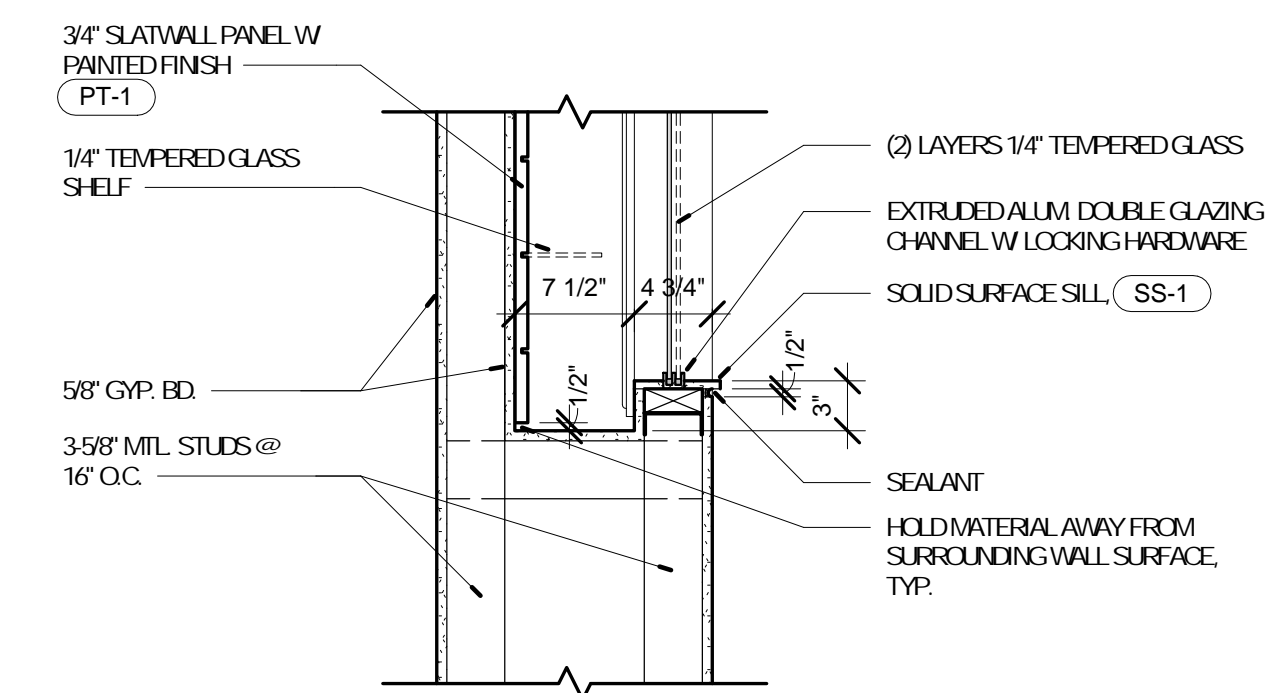


1 ELEV - CUBBIES
A-806 1" = 1'-0"

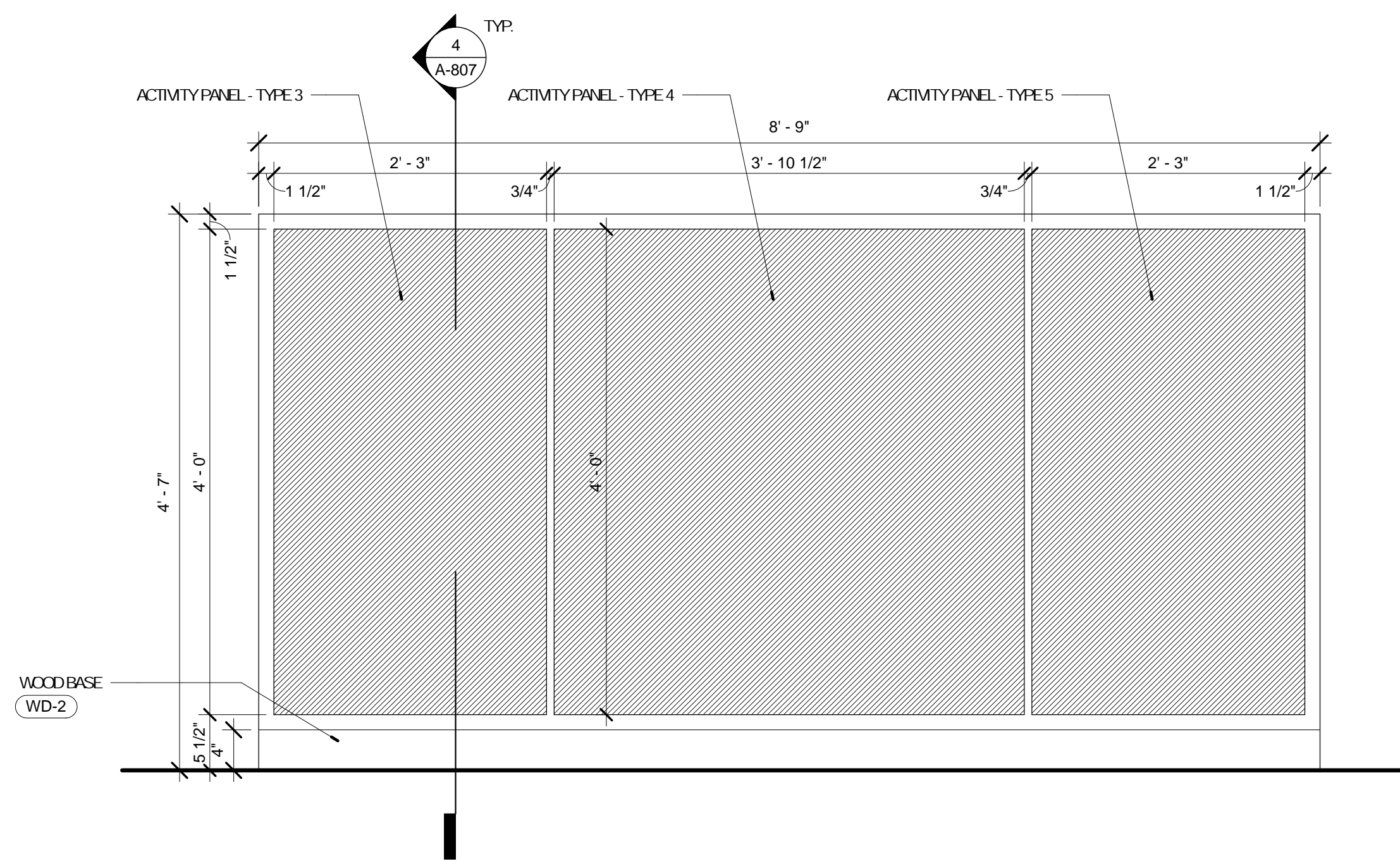
No.	Date	Description
	04/14/17	ISSUED FOR BID



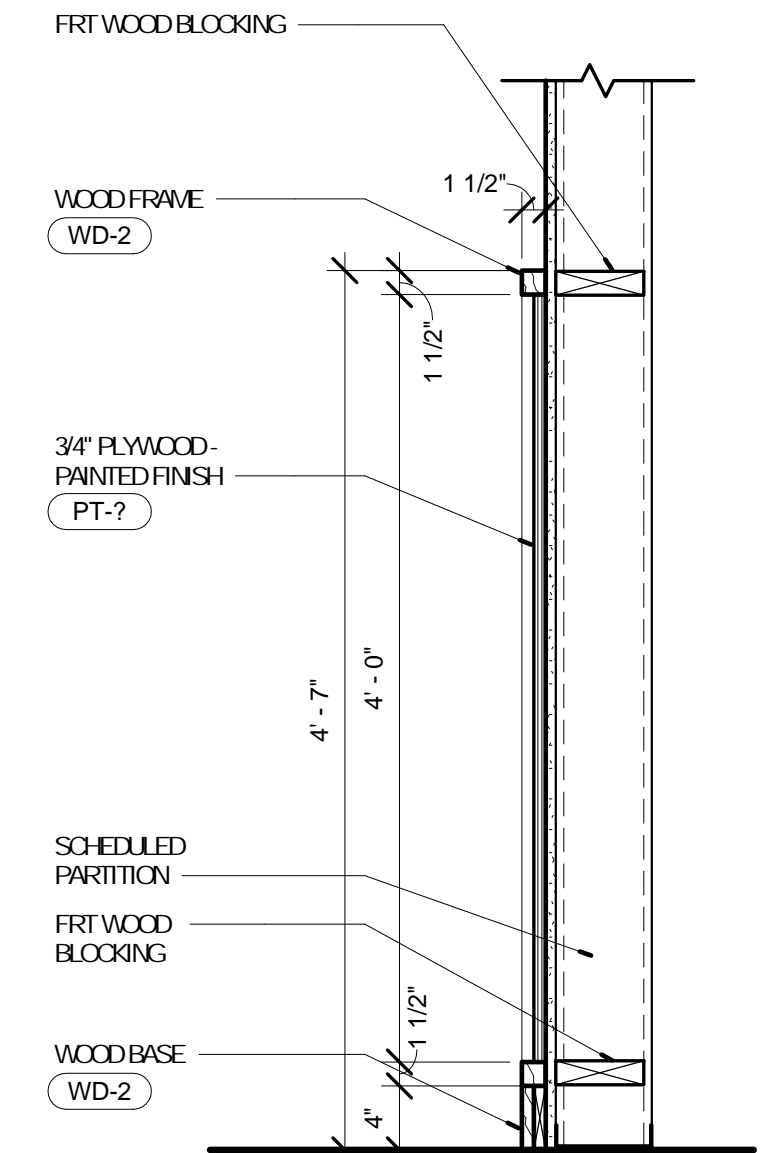
1 DETAIL @ DISPLAY CABINET
A-807 1" = 1'-0"



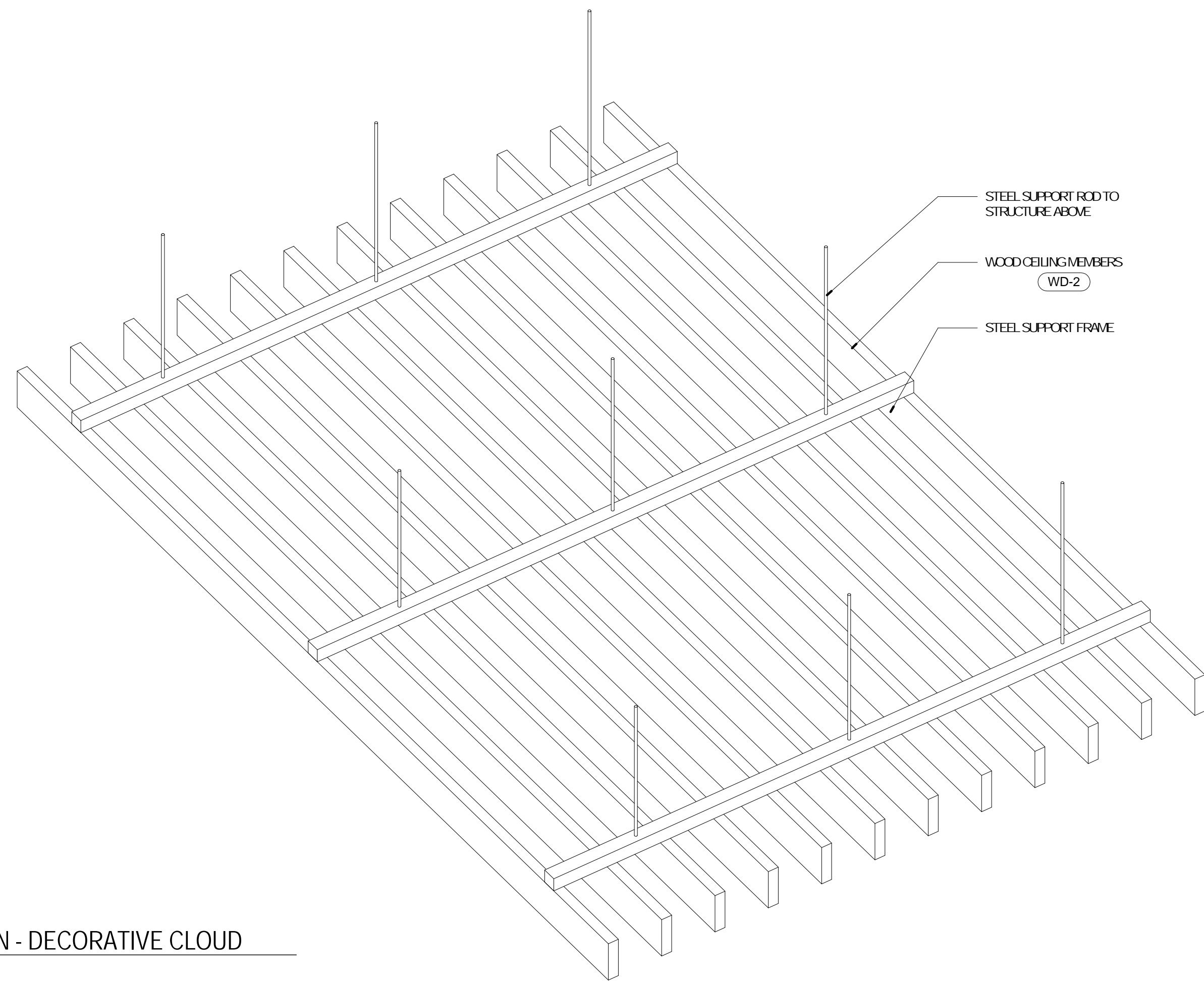
2 DETAIL @ DISPLAY CABINET
A-807 1" = 1'-0"



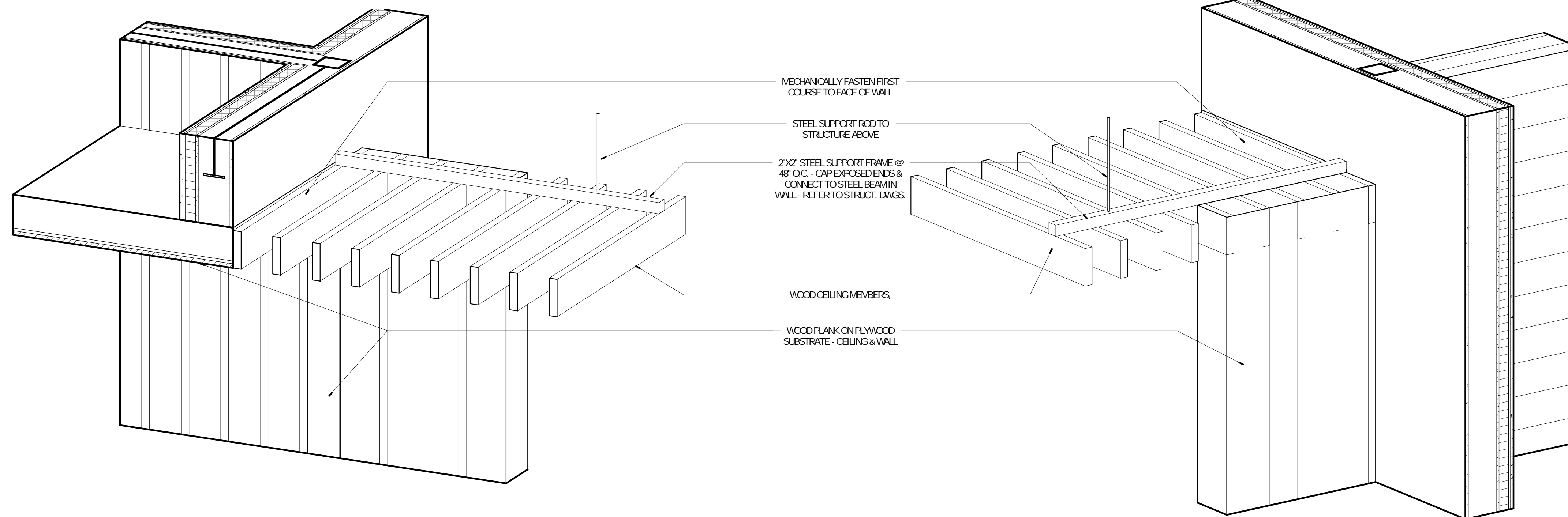
3 ELEV - ACTIVITY WALL
A-807 1" = 1'-0"



4 DETAIL - ACTIVITY WALL
A-807 1" = 1'-0"

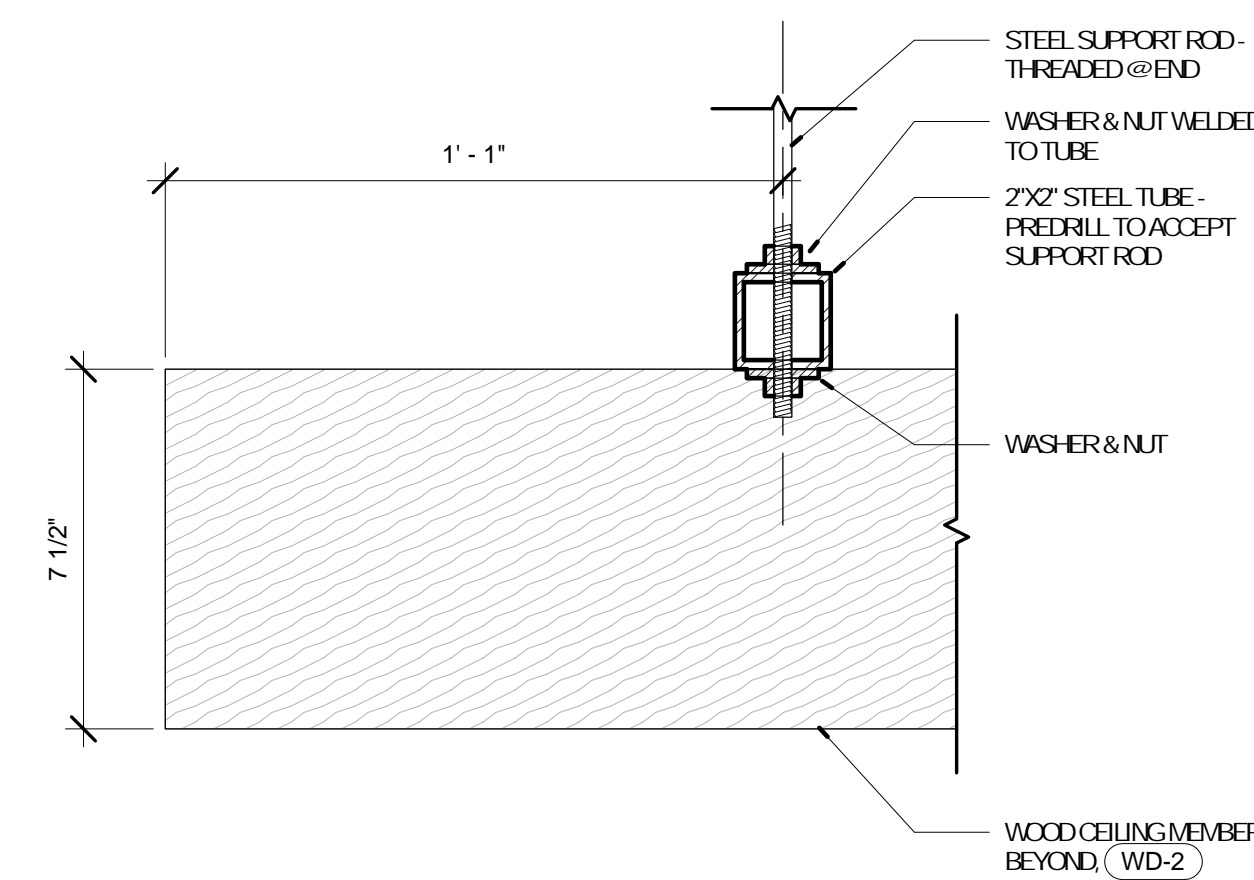


AXON - DECORATIVE CLOUD

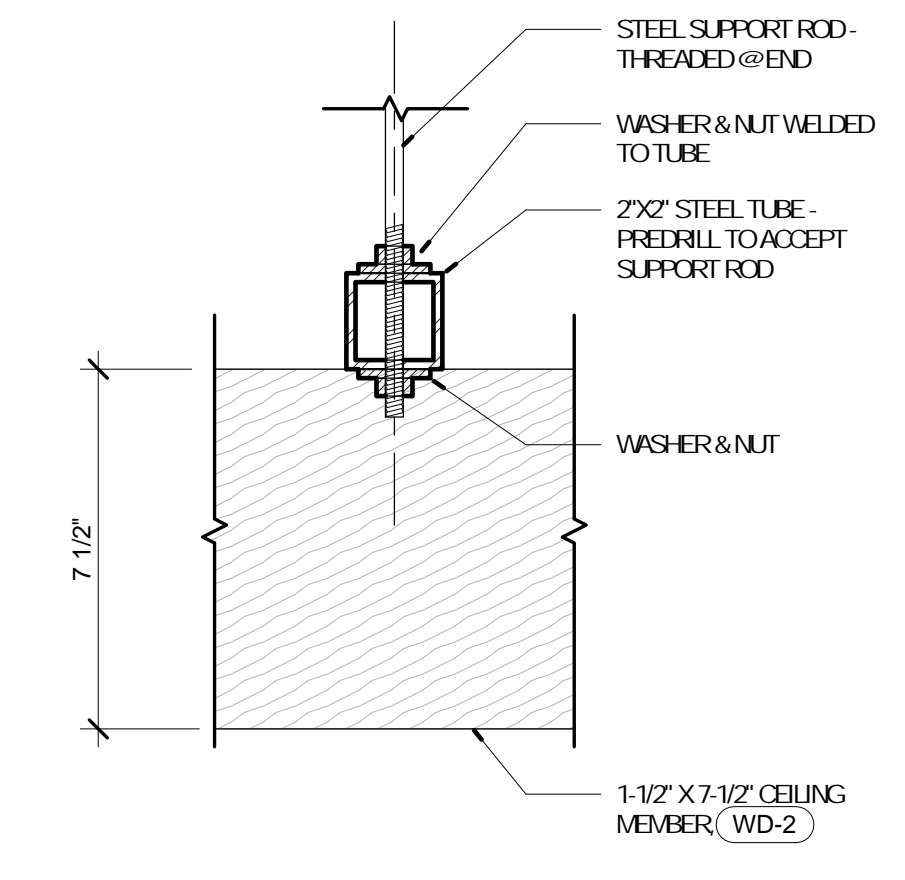


AXON VIEW @ CHILDREN'S CEILING

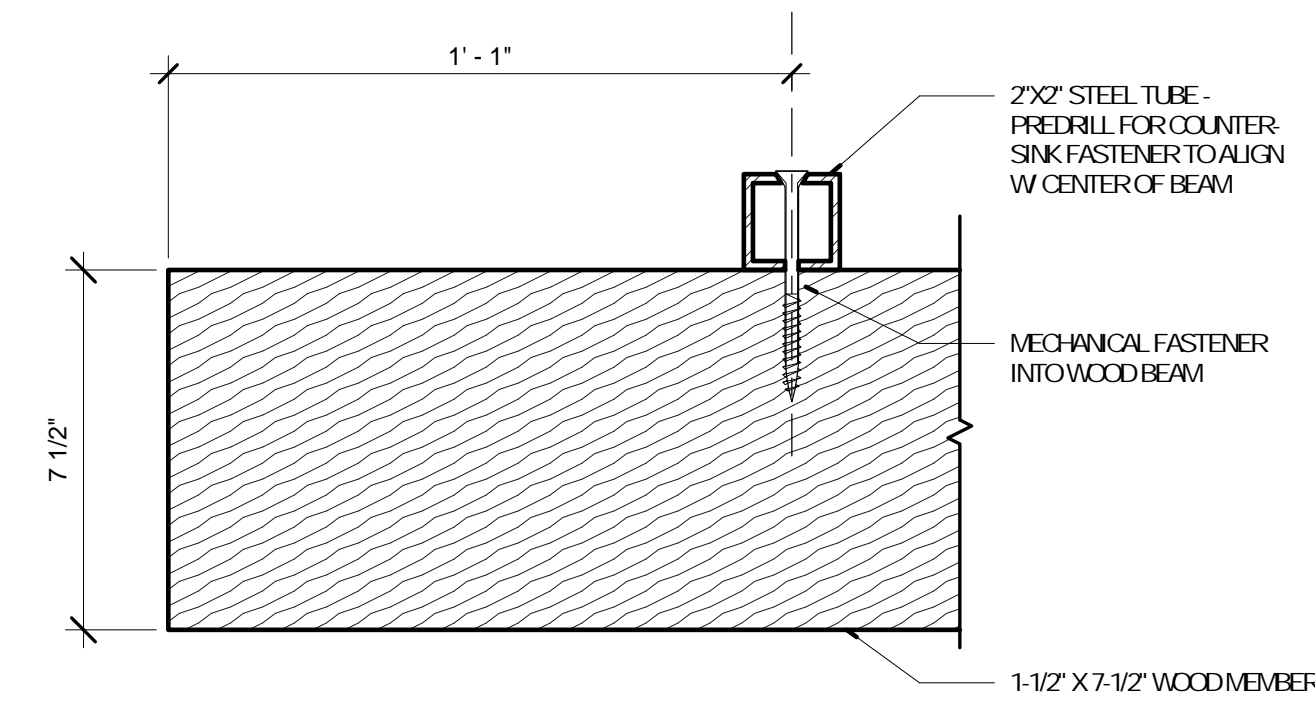
AXON VIEW @ CHILDREN'S CEILING



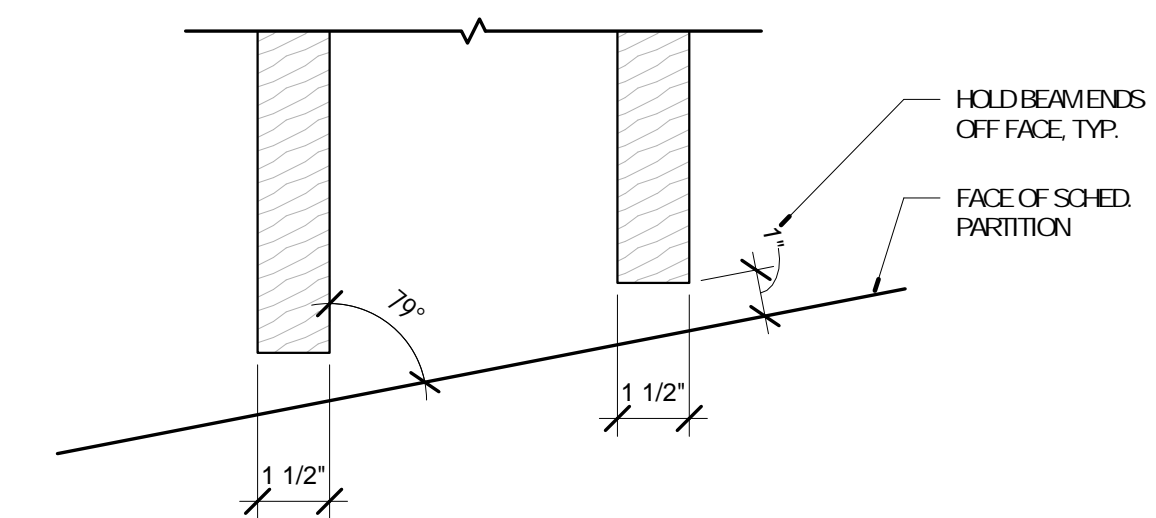
3 DETAIL - DECORATIVE WOOD BEAM
A-808 3" = 1'-0"



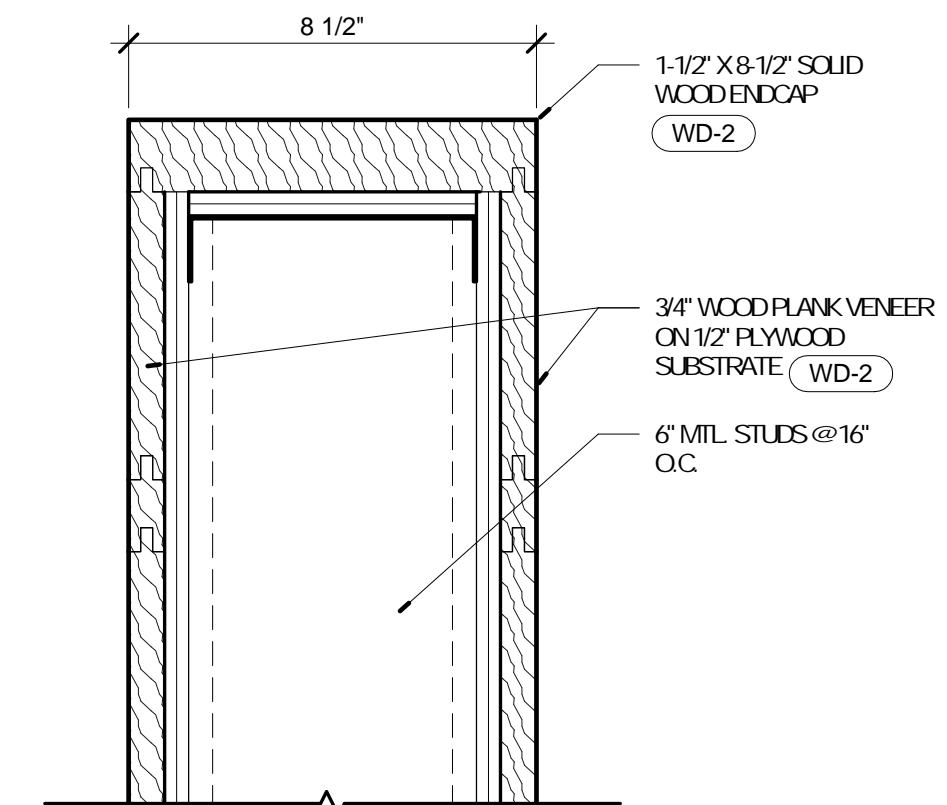
4 DETAIL - DECORATIVE WOOD BEAM
A-808 3" = 1'-0"



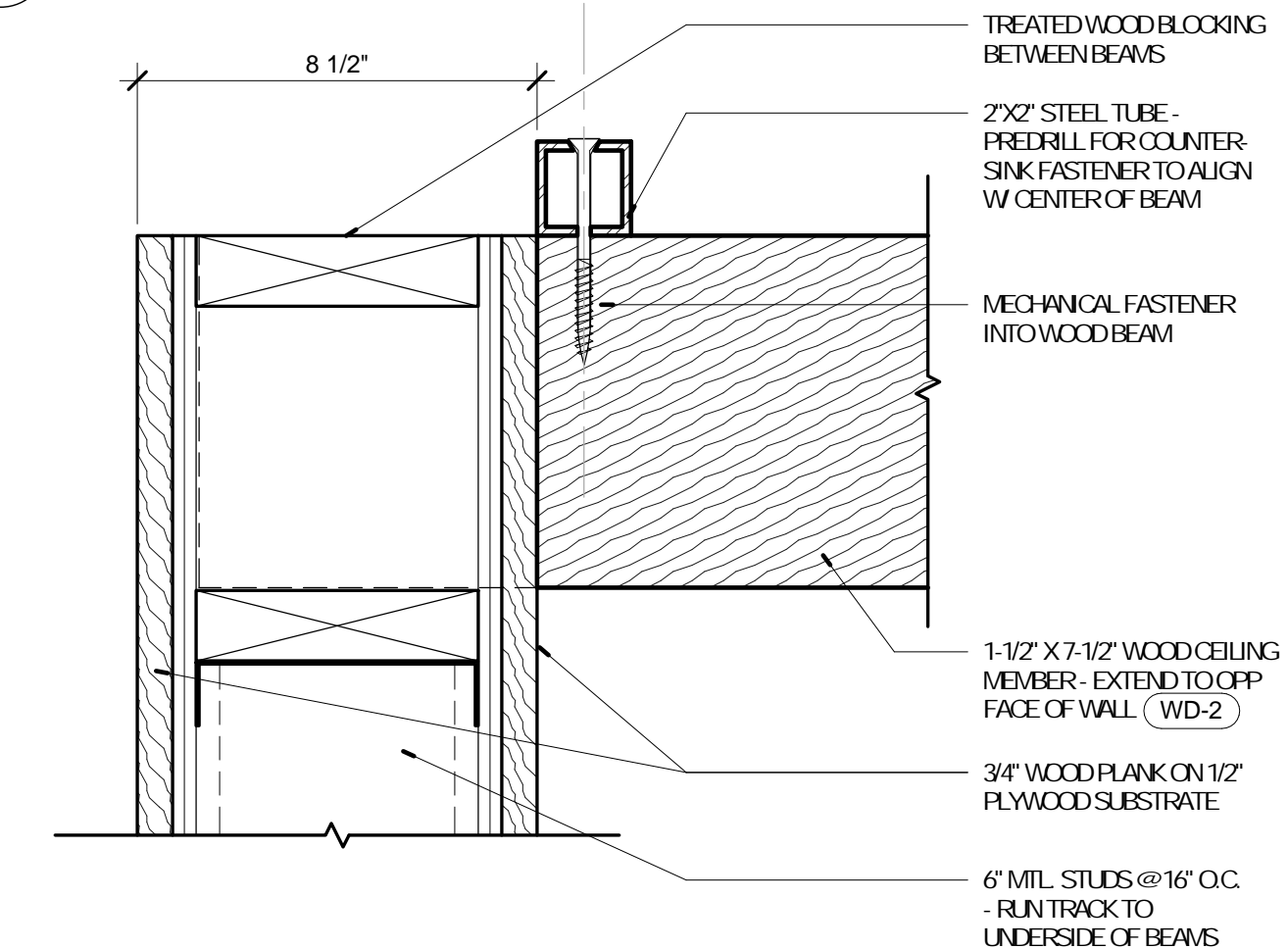
7 DETAIL - DECORATIVE WOOD BEAM
A-808 3" = 1'-0"



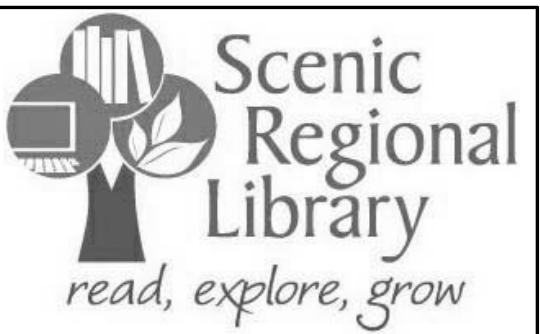
8 DETAIL @ DECORATIVE WOOD BEAM & WALL
A-808 3" = 1'-0"



12 DETAIL - DECORATIVE WOOD BEAM
A-808 3" = 1'-0"



16 DETAIL - DECORATIVE WOOD BEAM
A-808 3" = 1'-0"



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390



ARCHITECT OF RECORD
JEMA
3006 LOU ST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
EMAIL: SCLARK@JEMASTL.COM

DESIGN ARCHITECT
SAFFI DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH HAVENONT
SPRINGFIELD, MO 65804
T (417) 877-9800
F (417) 877-9896
CONTACT: JAMES STUFFLEBEAM
E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COO-PAN
530A E. INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VANLEER
T (636) 594-0540
F (636) 594-0512
EMAIL: DVANLEER@COO-PAN.COM

STRUCTURAL
ALPERAULI, INC.
1804 BOWMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 433-9800
F (314) 807-2774
CONTACT: STEVE BRETTE
EMAIL: STEVEBRETTE@ALPERAULI.COM

MECHANICAL, ELECTRICAL, PLUMBING
ERIC PARTNERSHIP, LLC
343 S. KIRKWOOD ROAD, SUITE 204
KIRKWOOD, MO 63122
T (314) 725-6889
CONTACT: BRUCE COLEMAN
E: BCOLEMAN@ERICPARTNERSHIP.COM

ARCHITECT OF RECORD:

JCH-NEDWARD MUELLER
MO ARCHITECTURAL LICENSE A2010039554
MO CERTIFICATE OF AUTHORITY A2014008383

No.	Date	Description
	04/14/17	ISSUED FOR BID

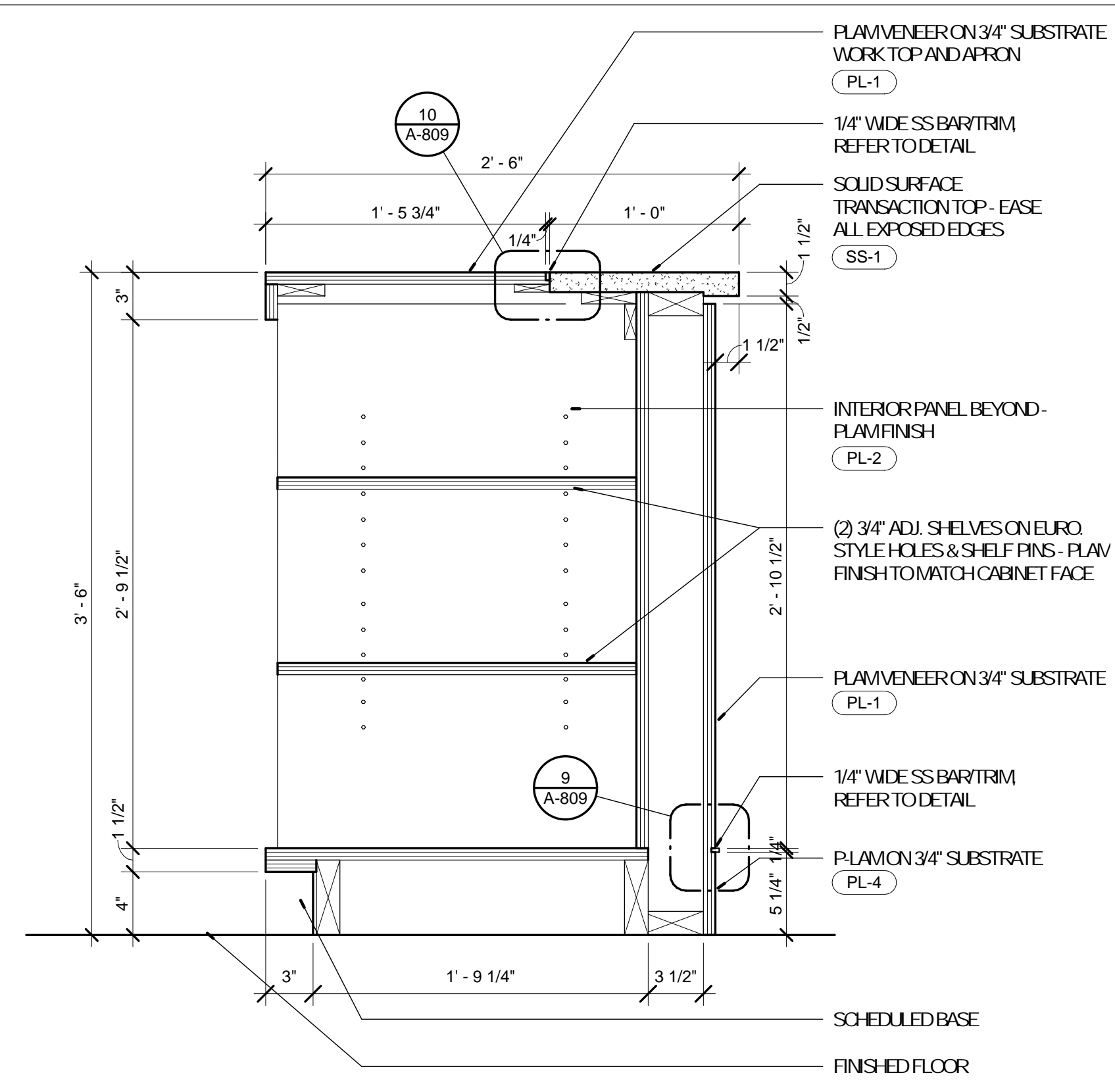
DRAWN BY: SC/SH

PROJECT NUMBER: 16-1161.03

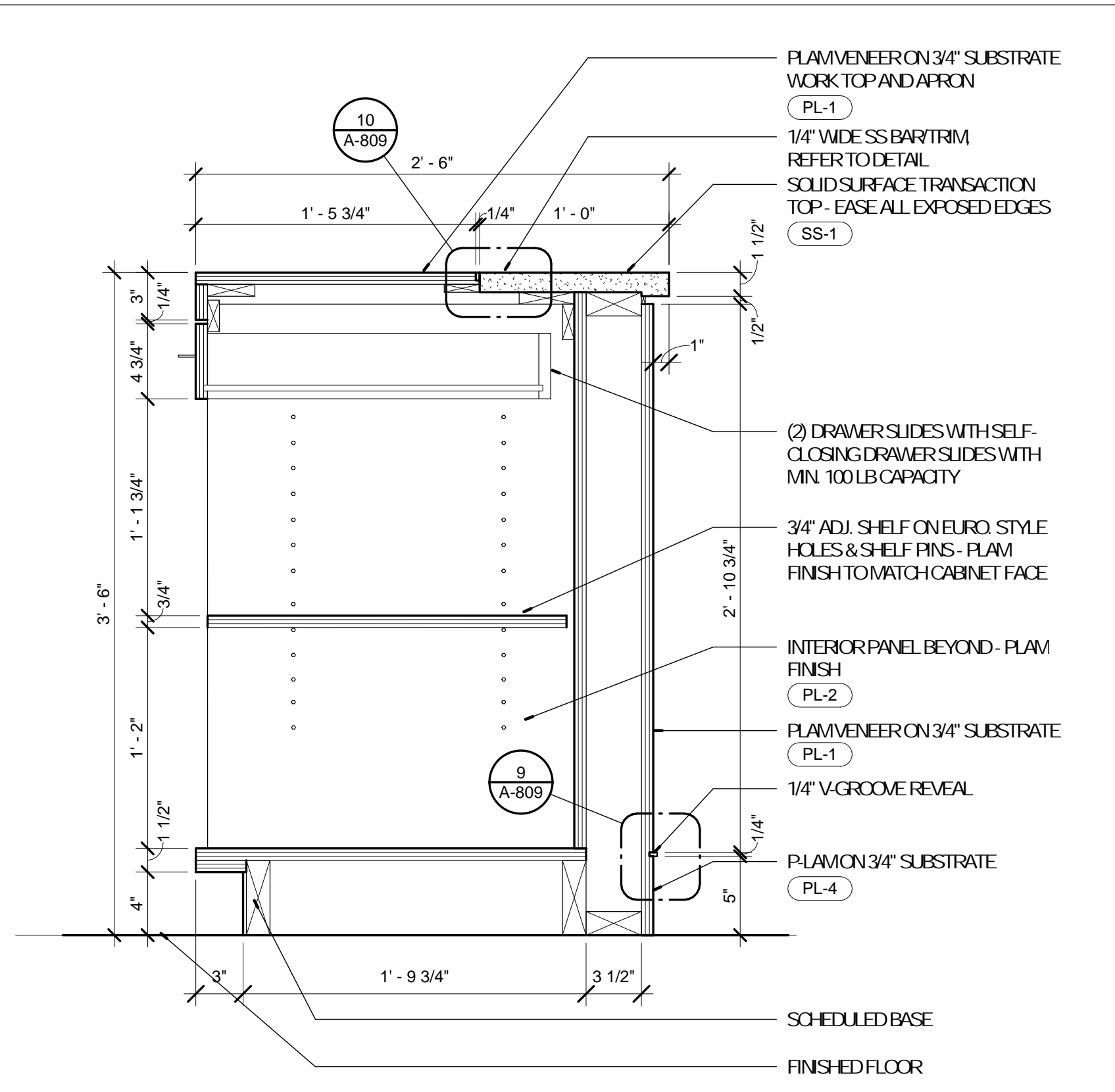
SHEET TITLE: DETAILS

A-808

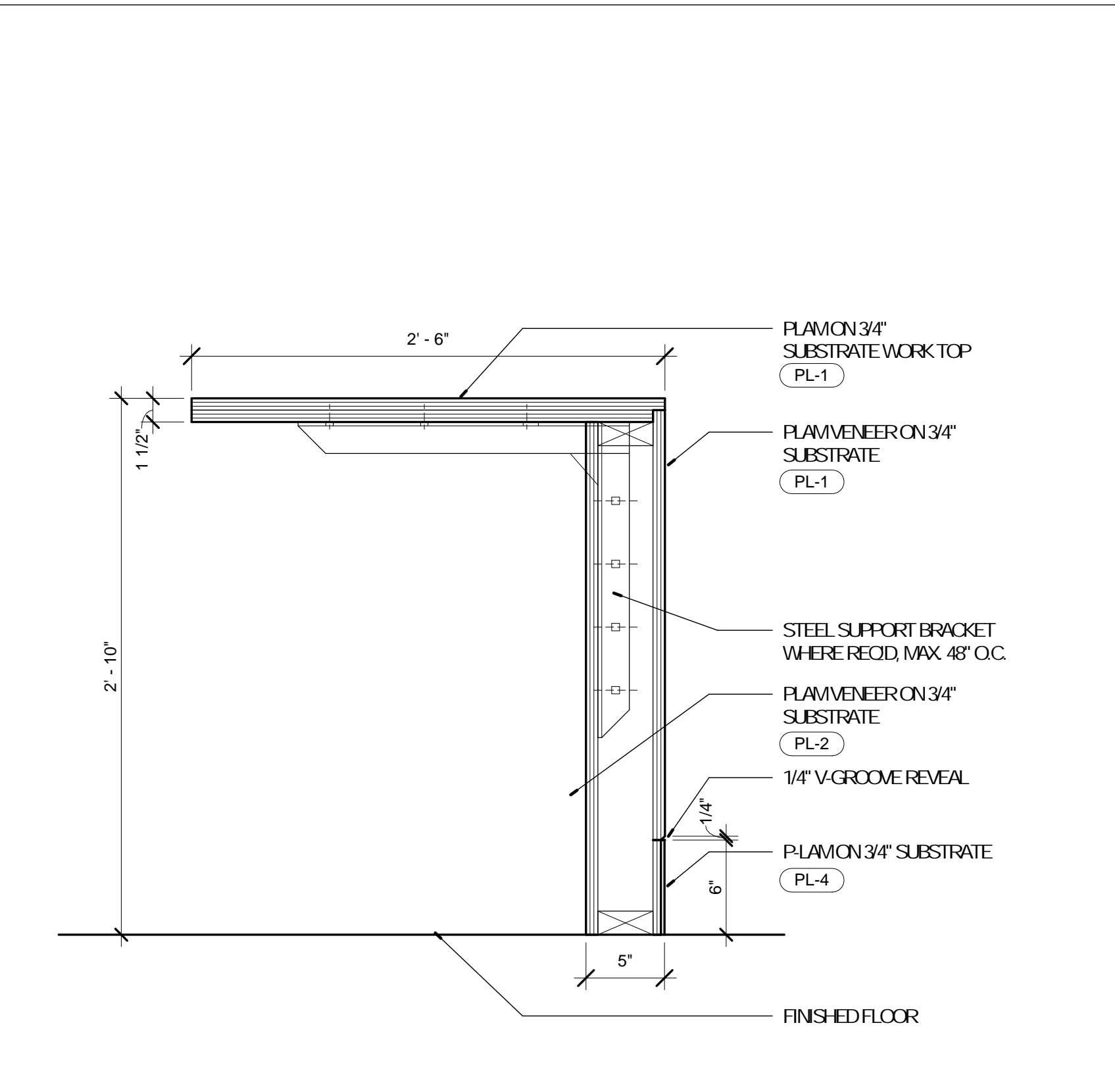
No.	Date	Description
	04/14/17	ISSUED FOR BID



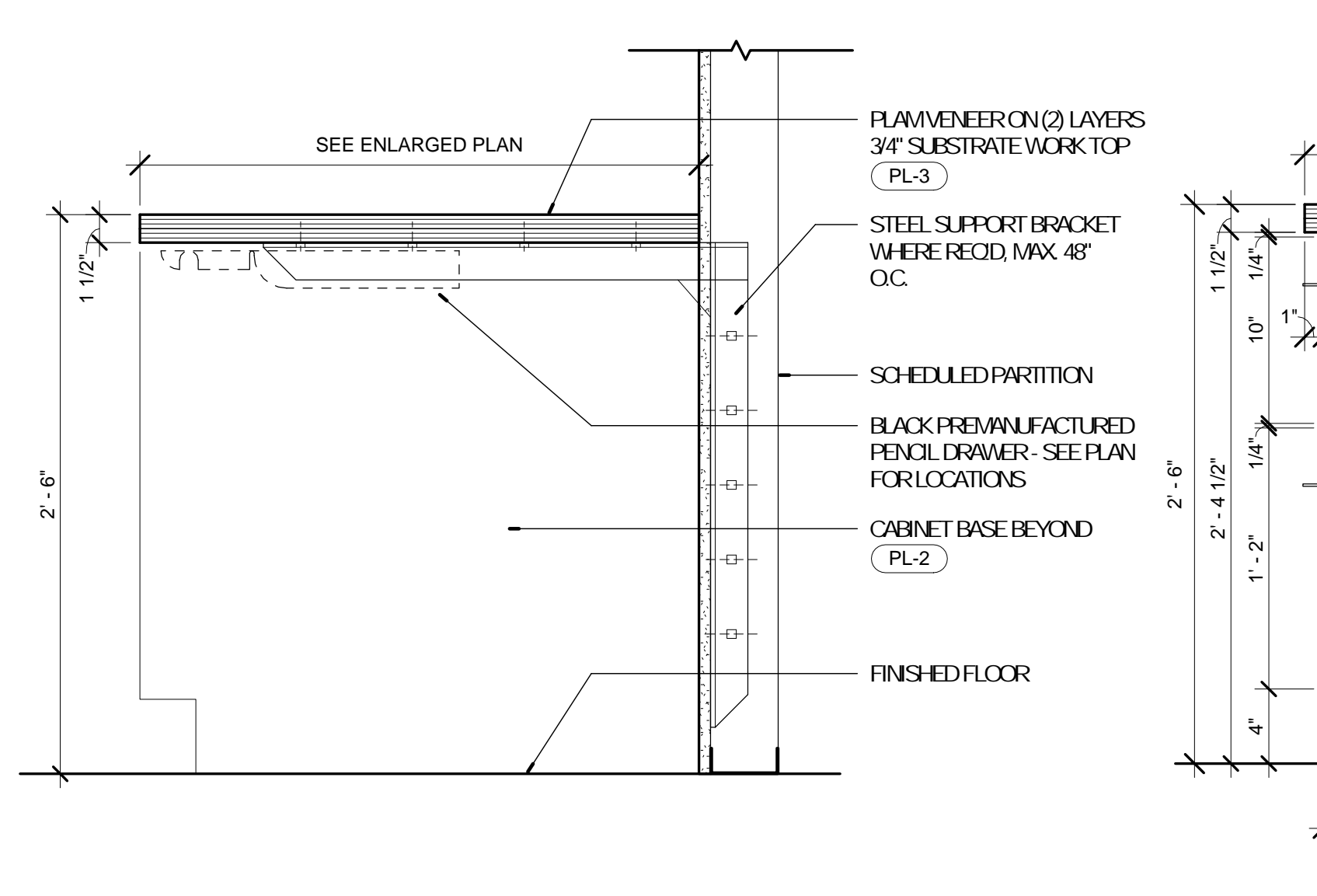
1 DETAIL - CIRCULATION DESK
A-809 1 1/2" = 1'-0" REFERENCE



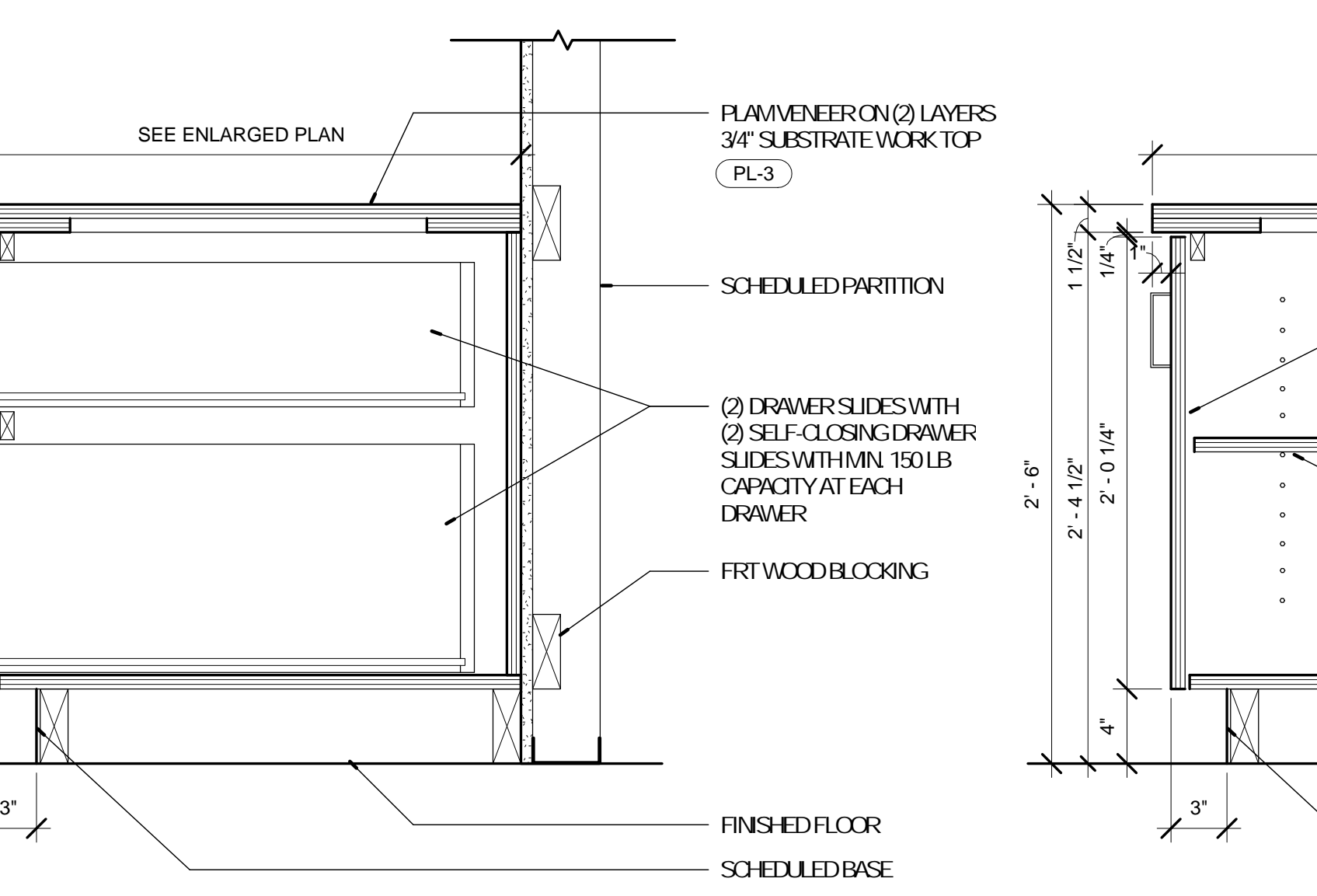
2 DETAIL - CIRCULATION DESK
A-809 1 1/2" = 1'-0" REFERENCE



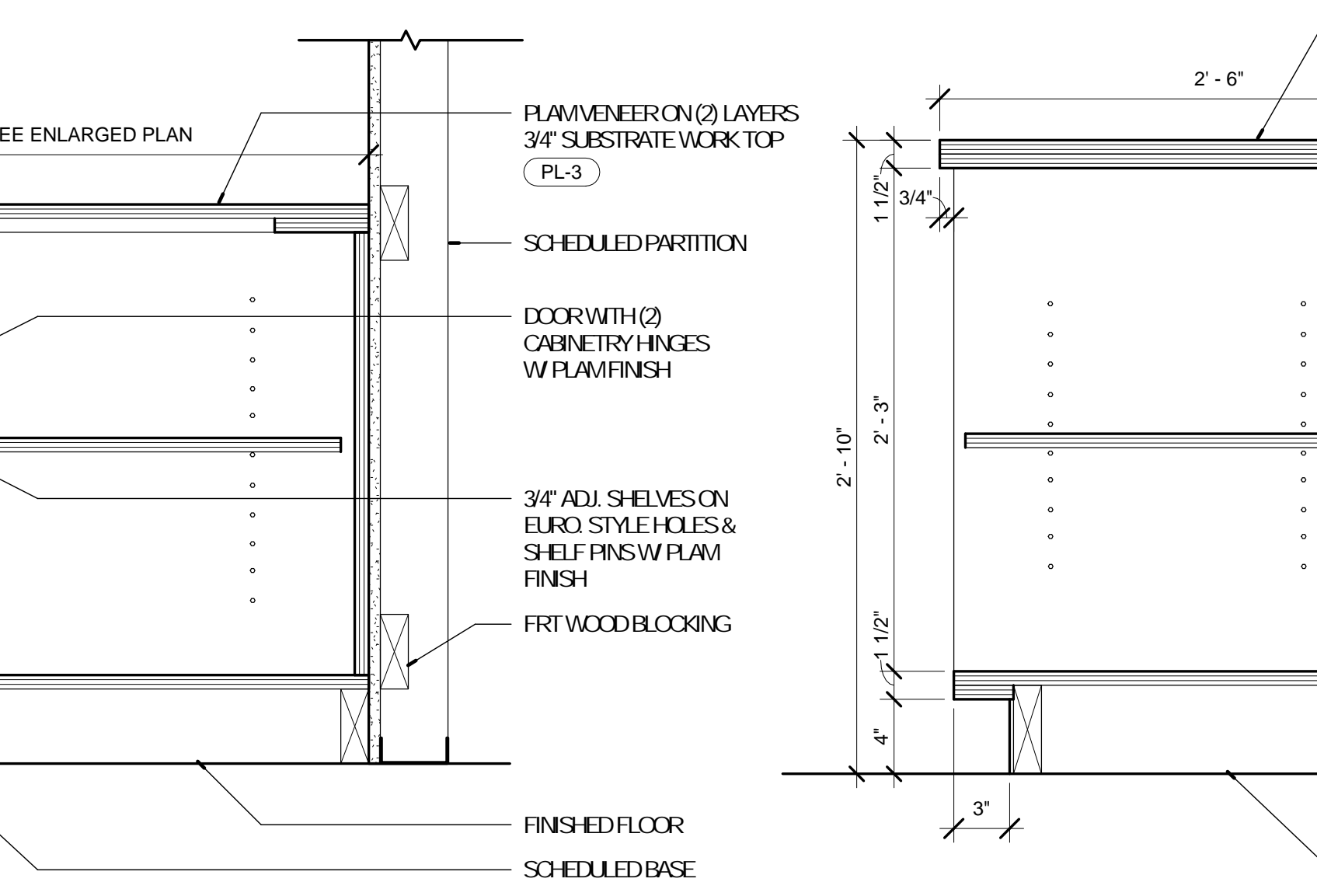
3 DETAIL - CIRCULATION DESK
A-809 1 1/2" = 1'-0" REFERENCE



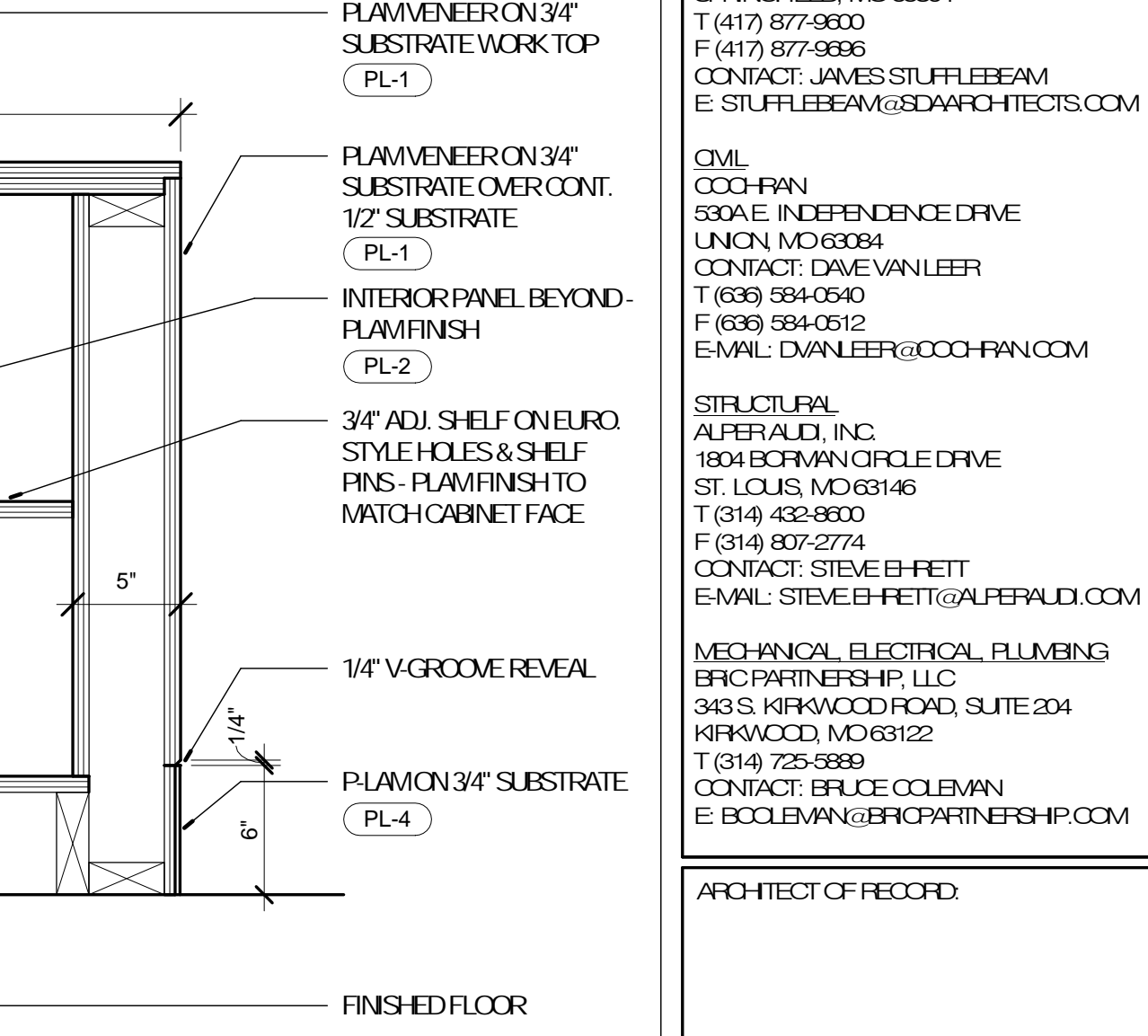
5 DETAIL - CIRCULATION DESK
A-809 1 1/2" = 1'-0" REFERENCE



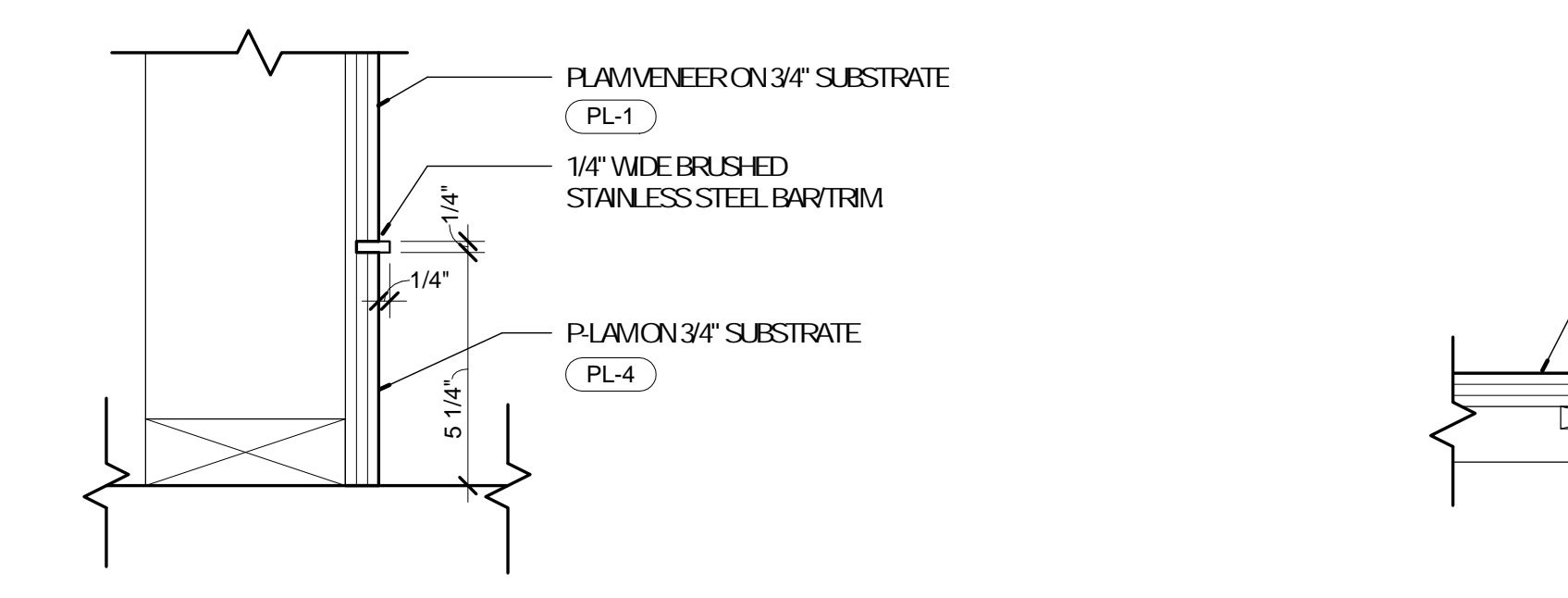
6 DETAIL - CIRCULATION DESK
A-809 1 1/2" = 1'-0" REFERENCE



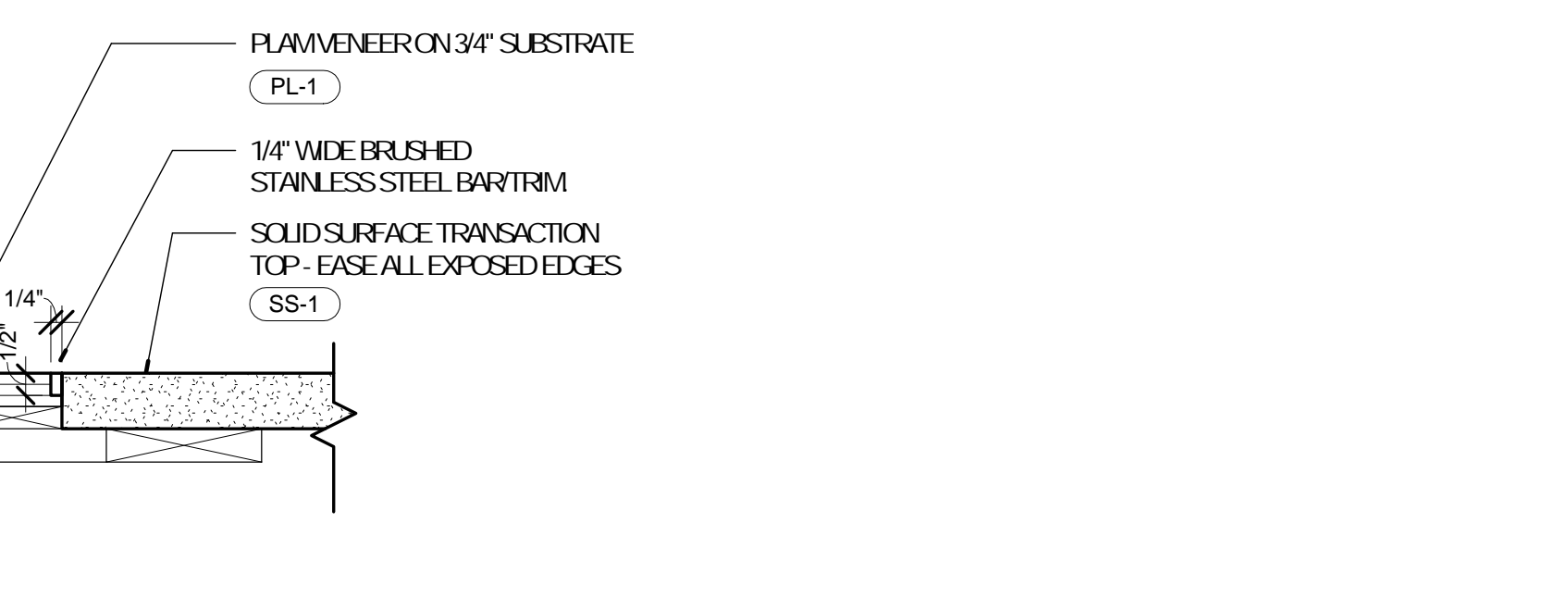
7 DETAIL - CIRCULATION DESK
A-809 1 1/2" = 1'-0" REFERENCE



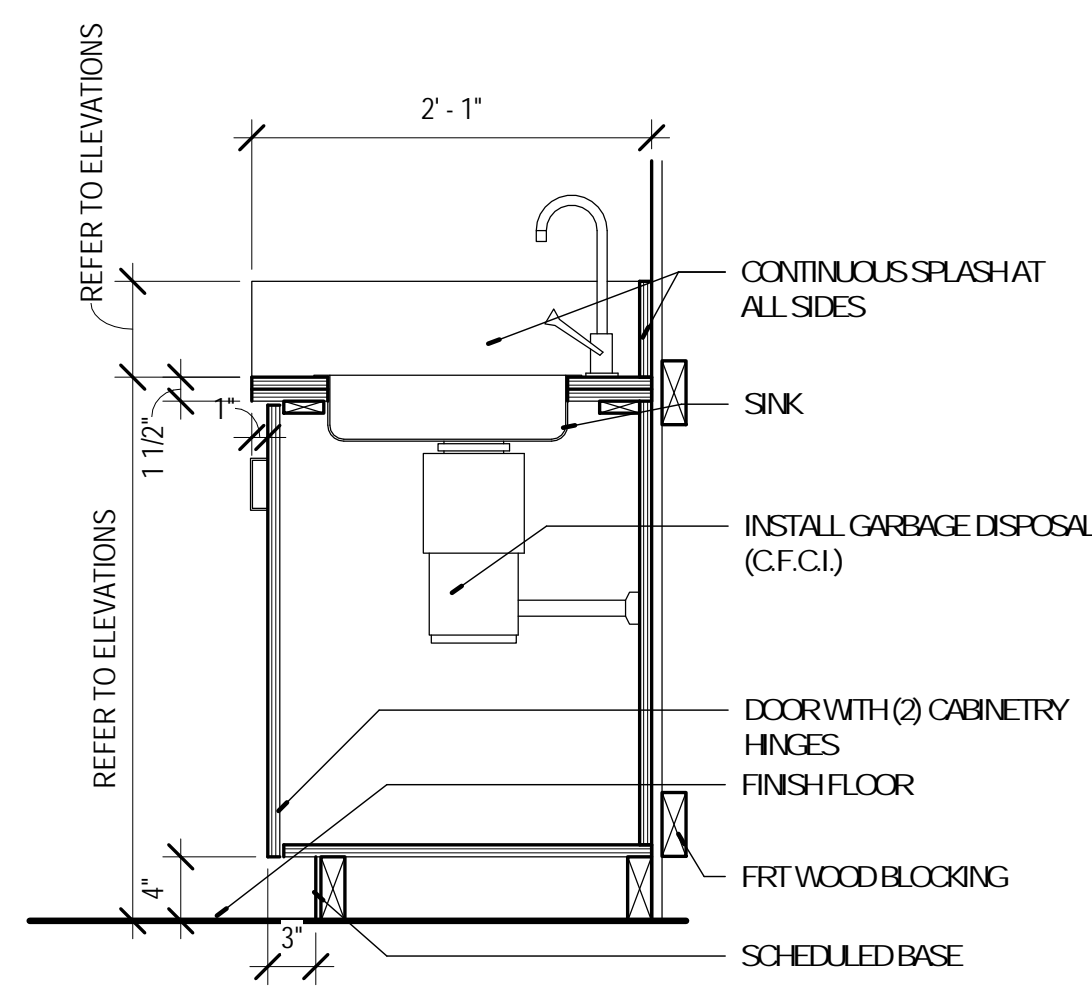
8 DETAIL - CIRCULATION DESK
A-809 1 1/2" = 1'-0" REFERENCE



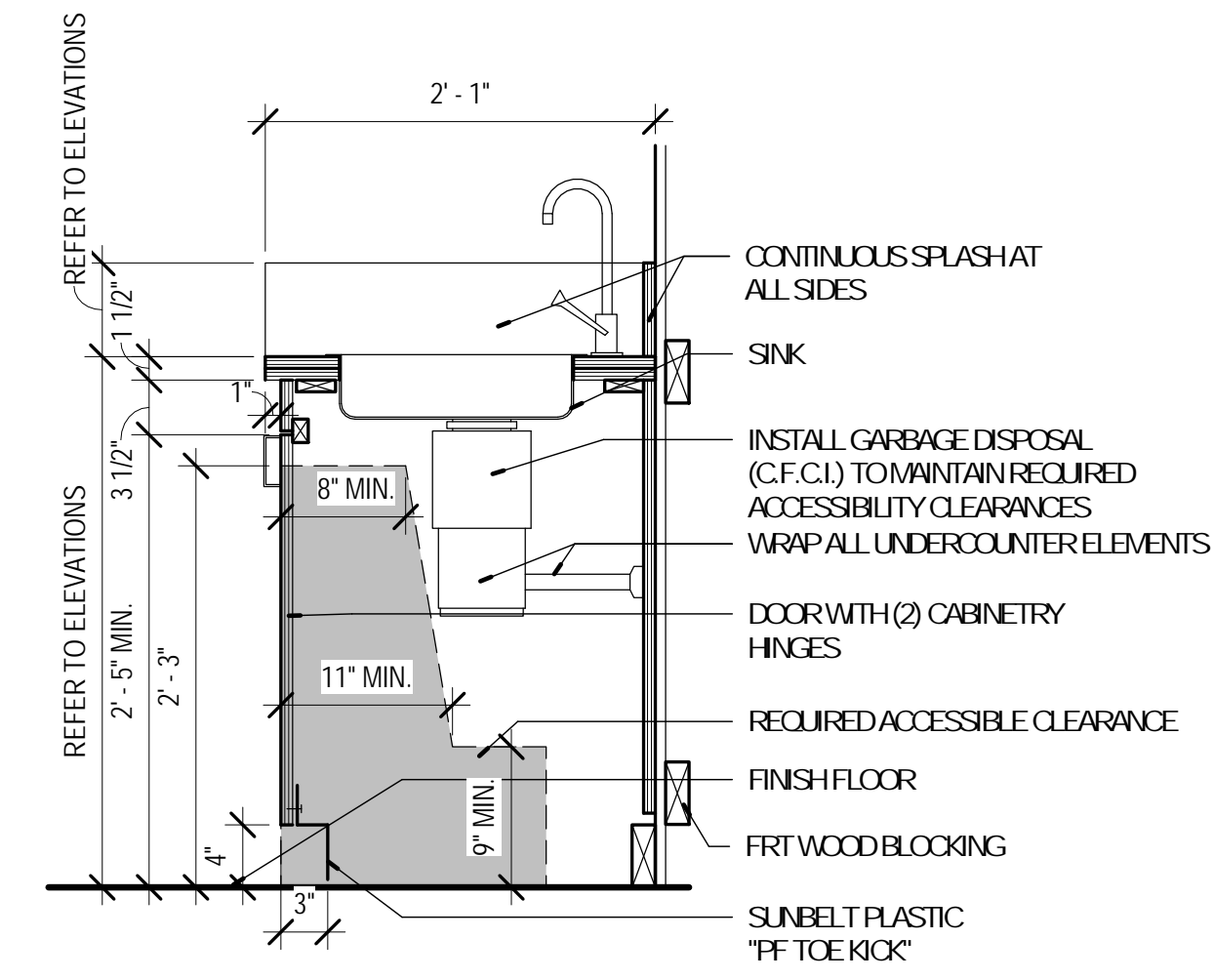
9 DETAIL - CIRCULATION DESK BASE TRIM
A-809 3" = 1'-0" REFERENCE 1/A-809



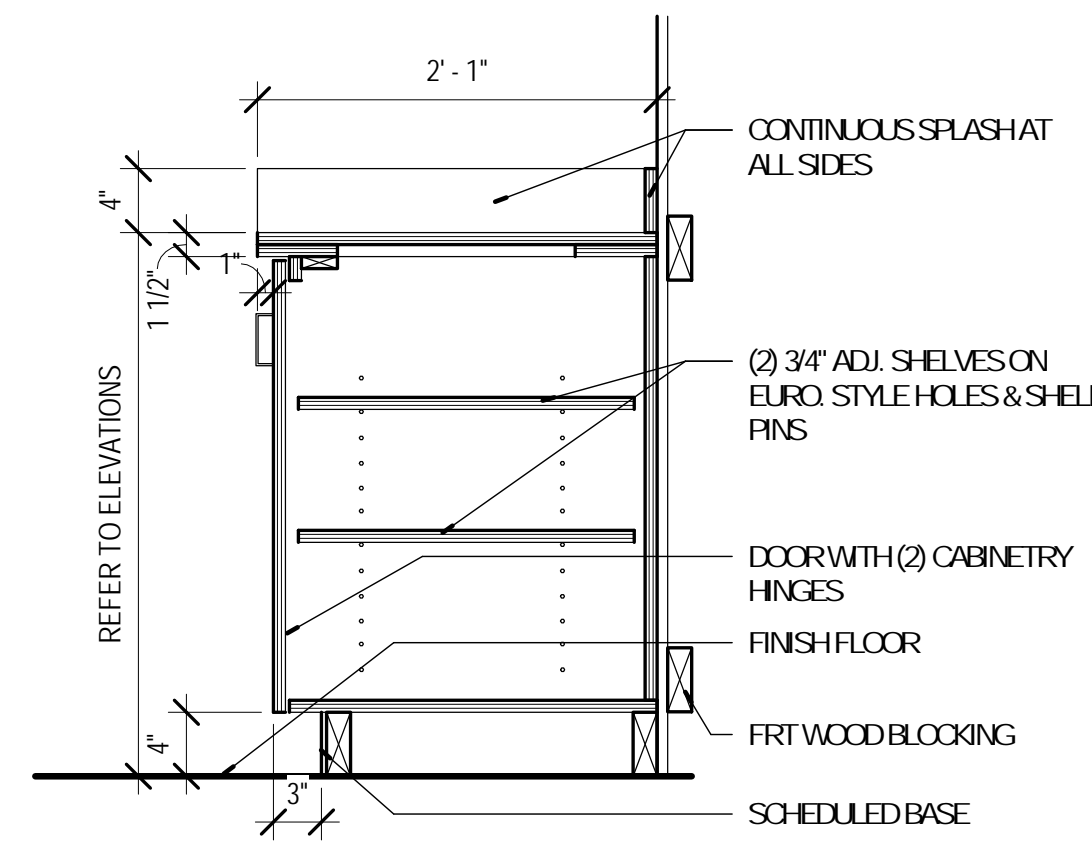
10 DETAIL - CIRCULATION DESK TOP
A-809 3" = 1'-0" REFERENCE 1/A-809



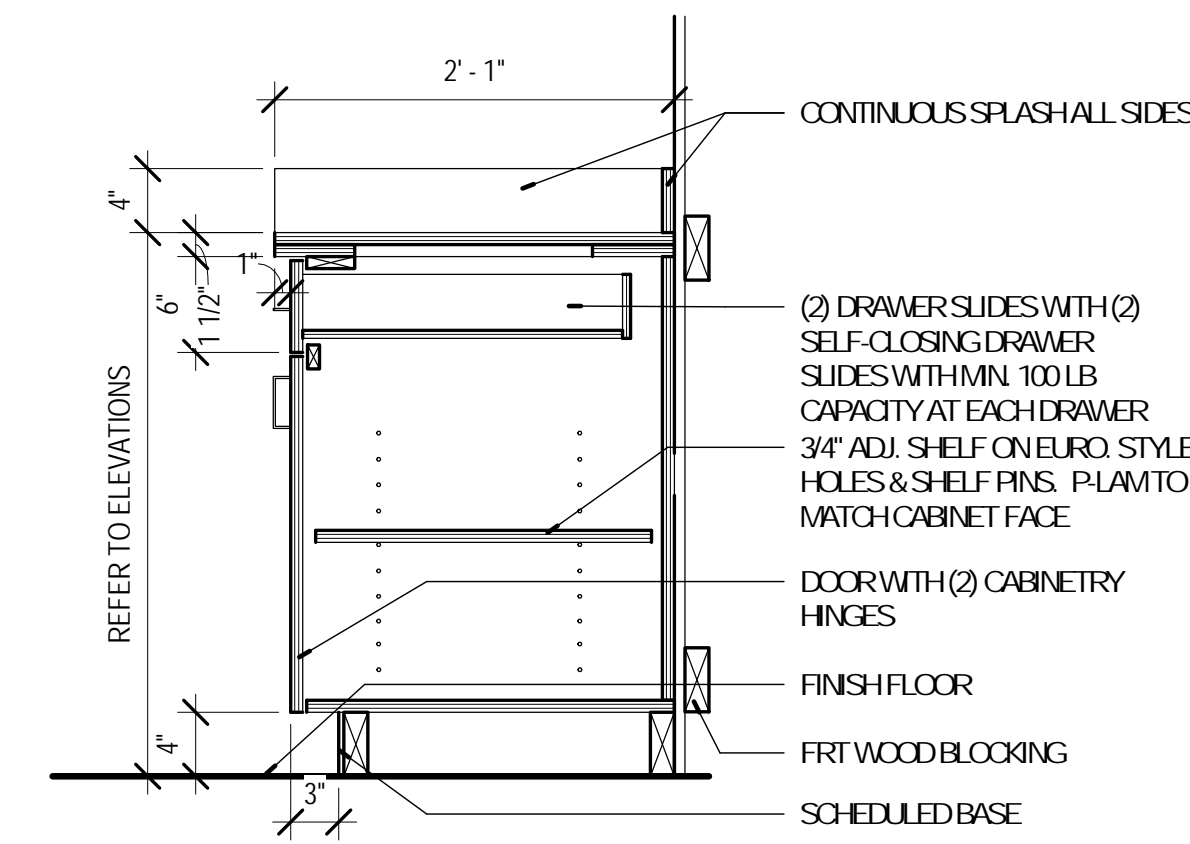
1 DETAIL - BASE CABINET W/NON-COMPLIANT SINK
A-810 1" = 1'-0" REFERENCE



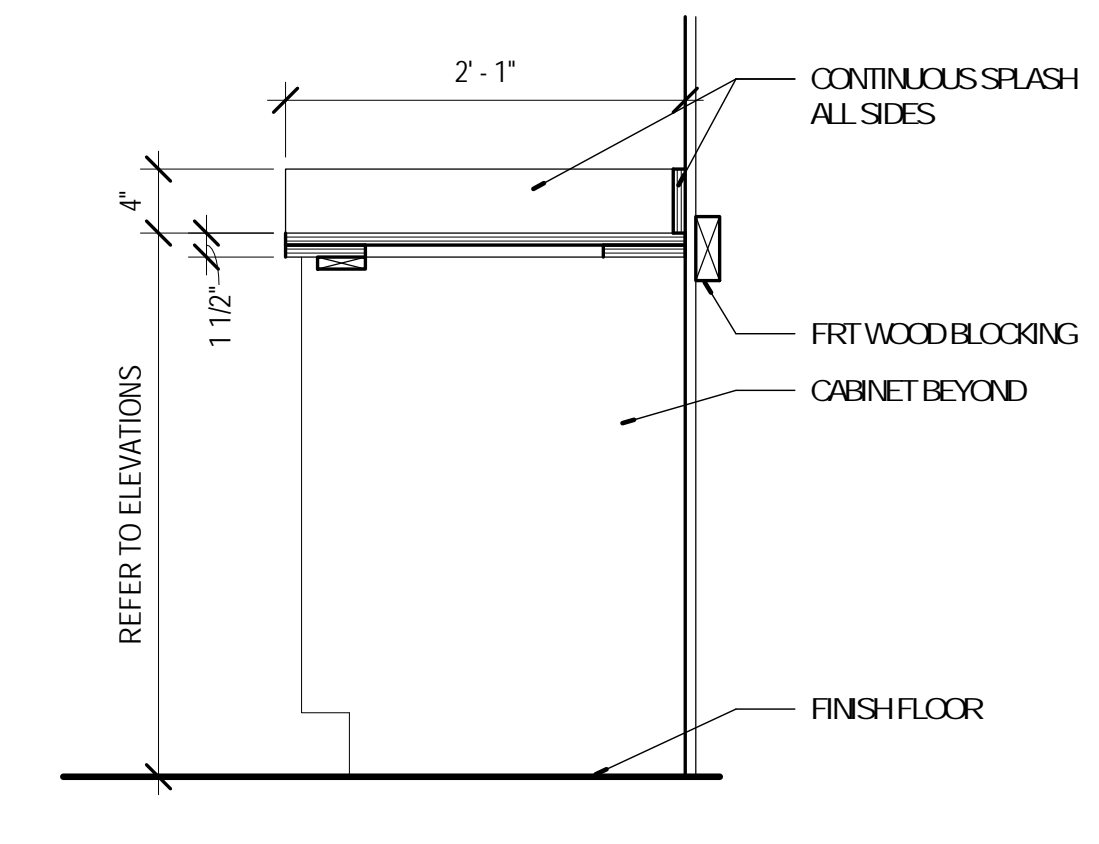
2 DETAIL - BASE CABINET WITH SINK & DISPOSAL
A-810 1" = 1'-0" REFERENCE



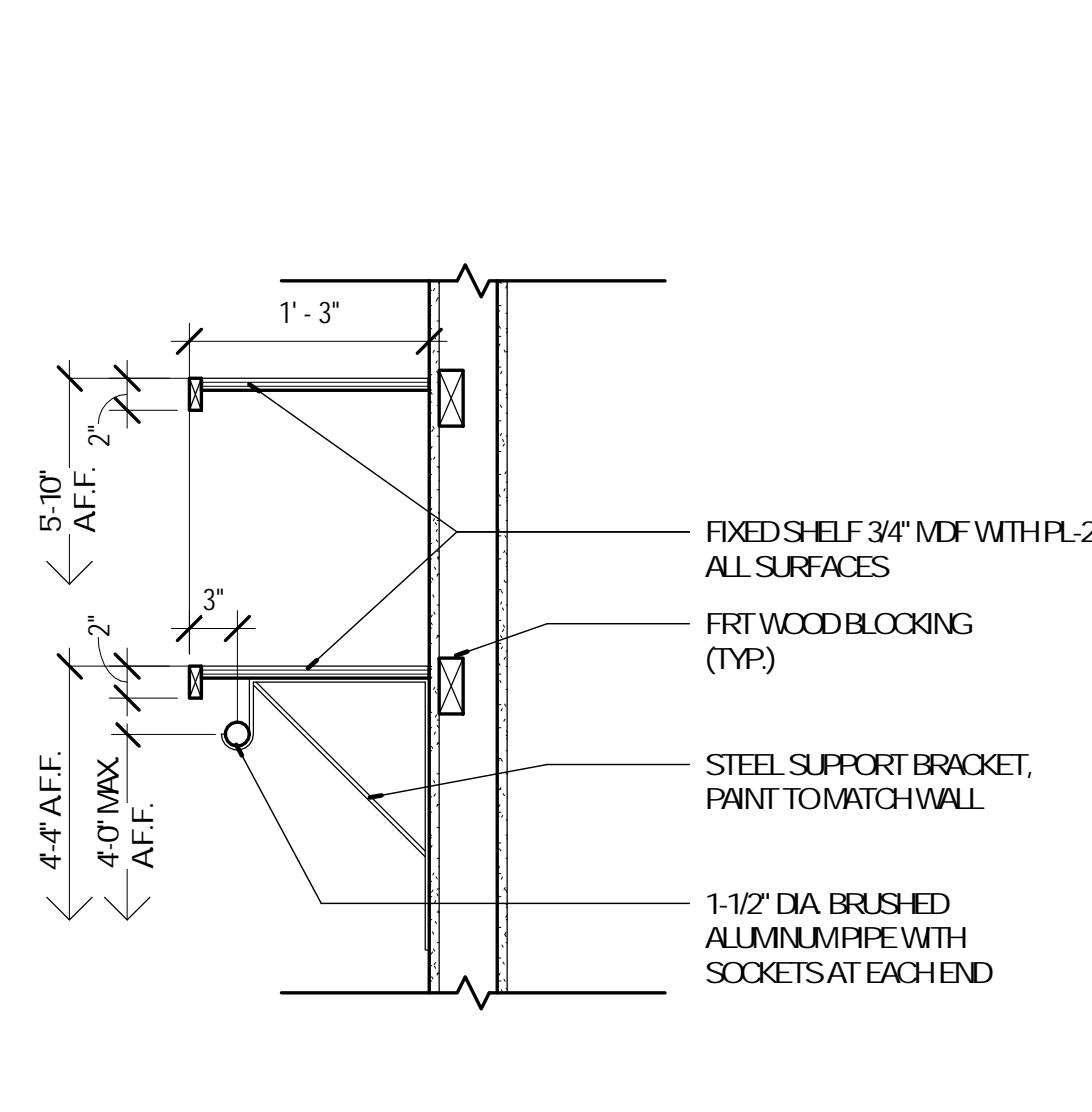
3 DETAIL - BASE CABINET
A-810 1" = 1'-0" REFERENCE



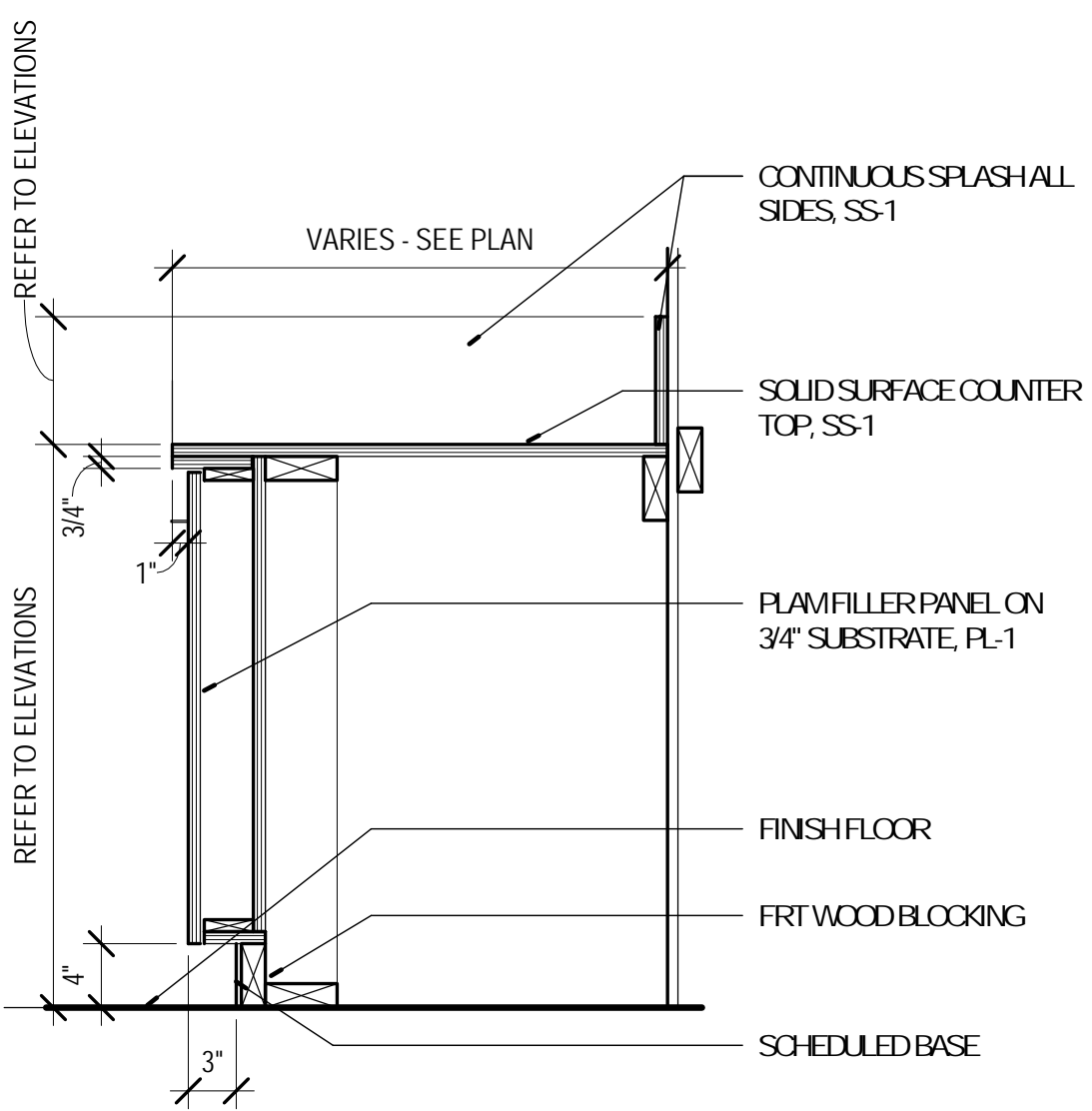
4 DETAIL - BASE CABINET WITH DRAWER (1)
A-810 1" = 1'-0" REFERENCE



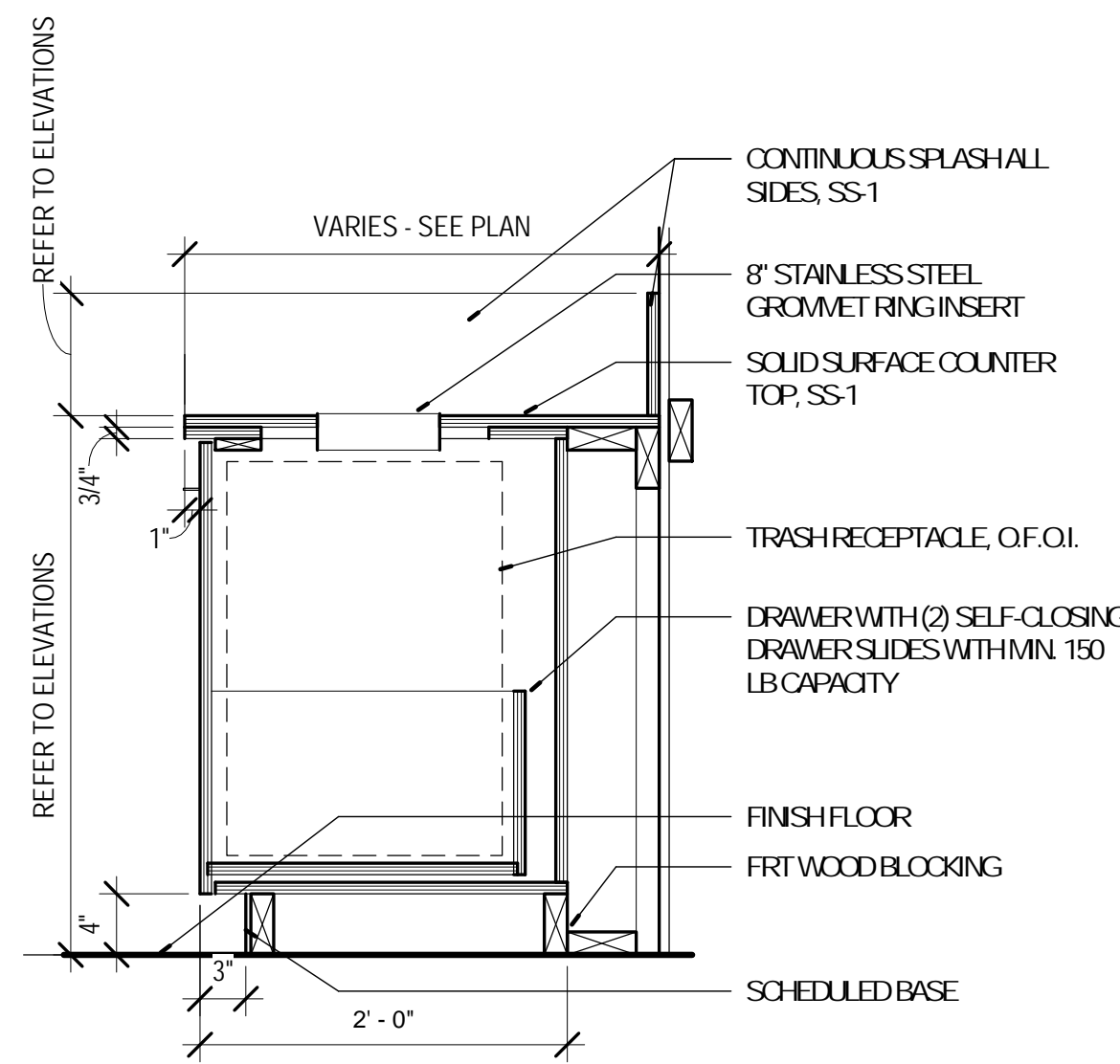
5 DETAIL - BASE CABINET - OPEN
A-810 1" = 1'-0" REFERENCE



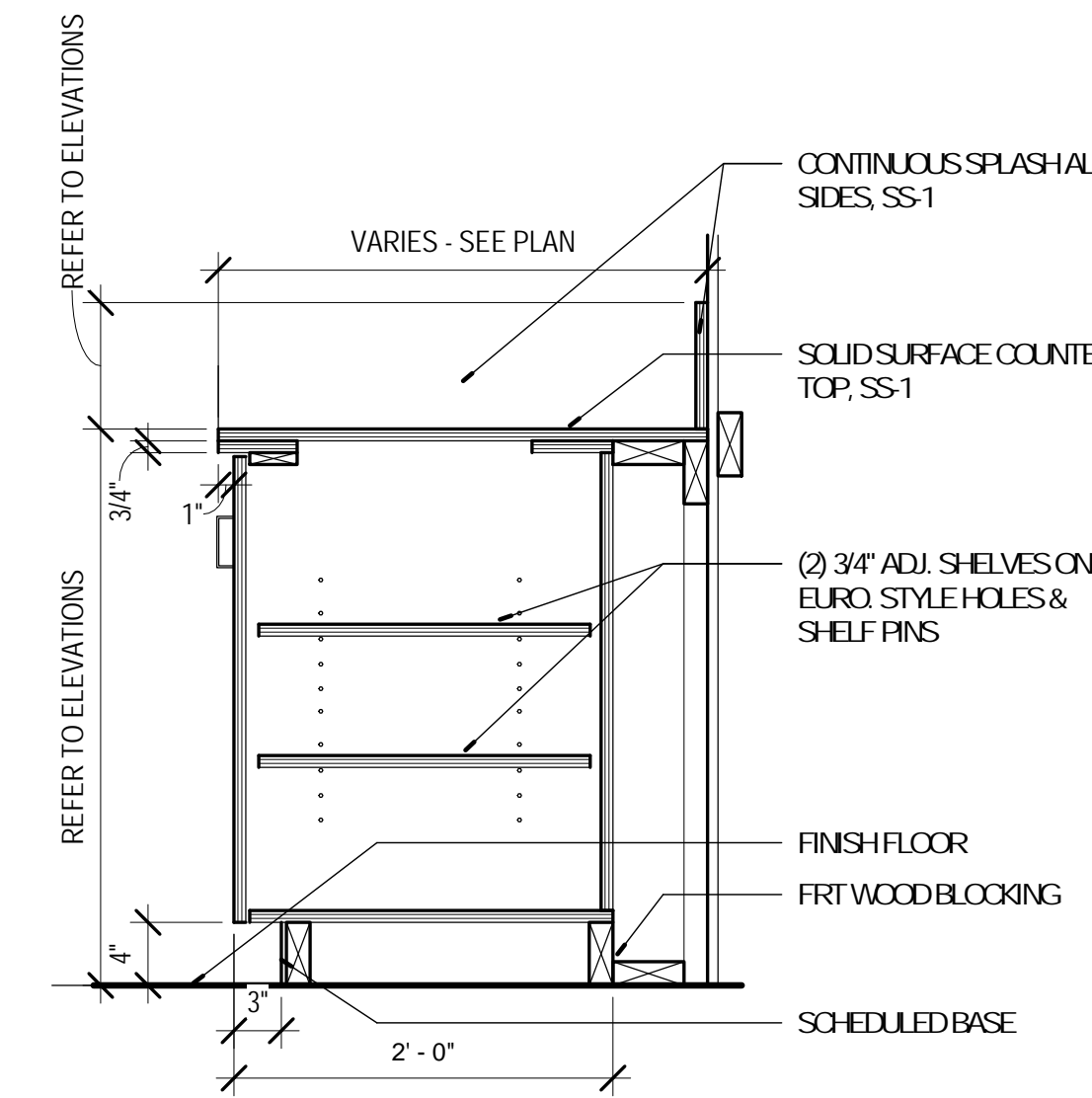
6 DETAIL - COAT ROD & SHELF
A-810 1" = 1'-0" REFERENCE



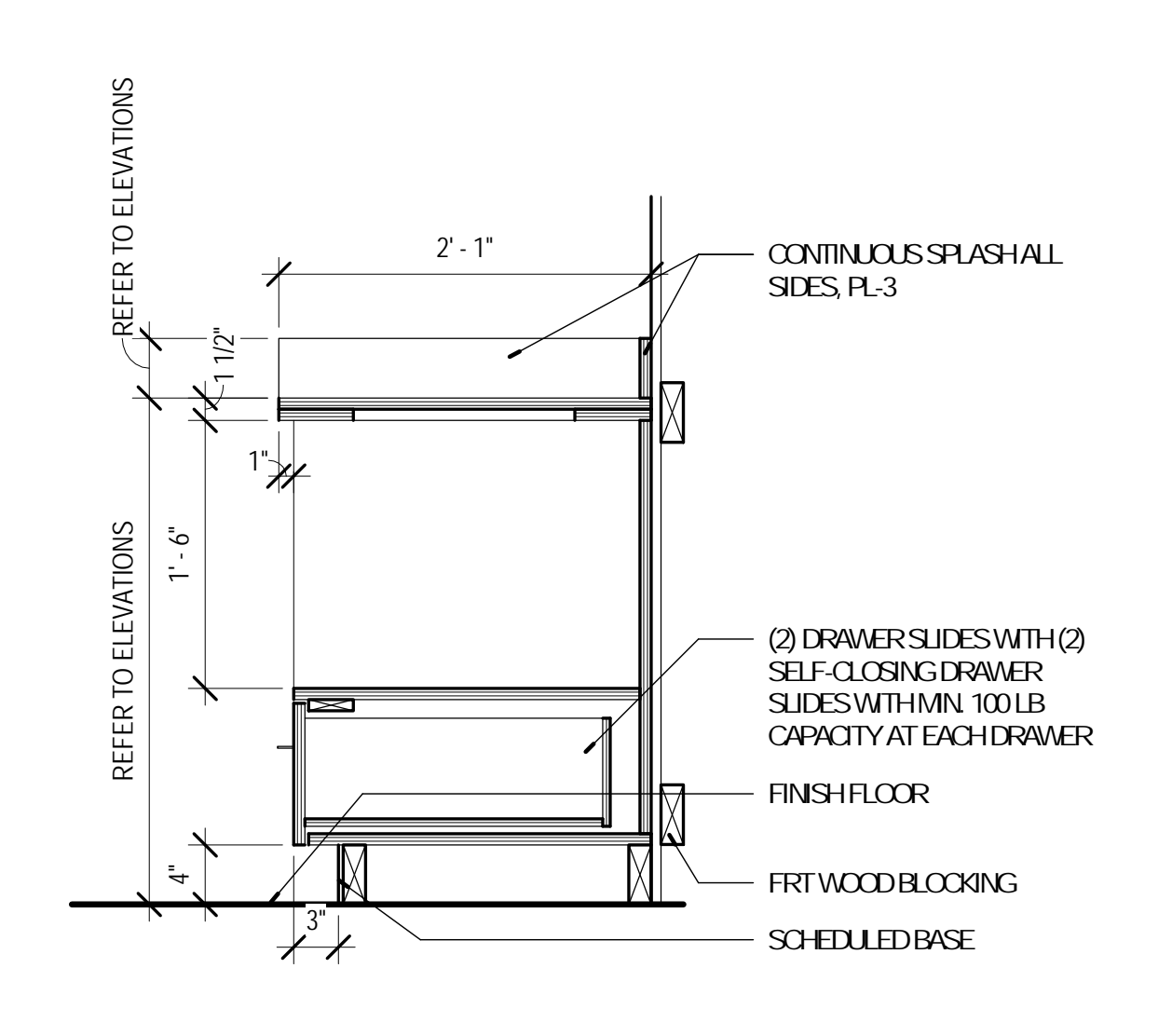
7 DETAIL - BASE CABINET
A-810 1" = 1'-0" REFERENCE



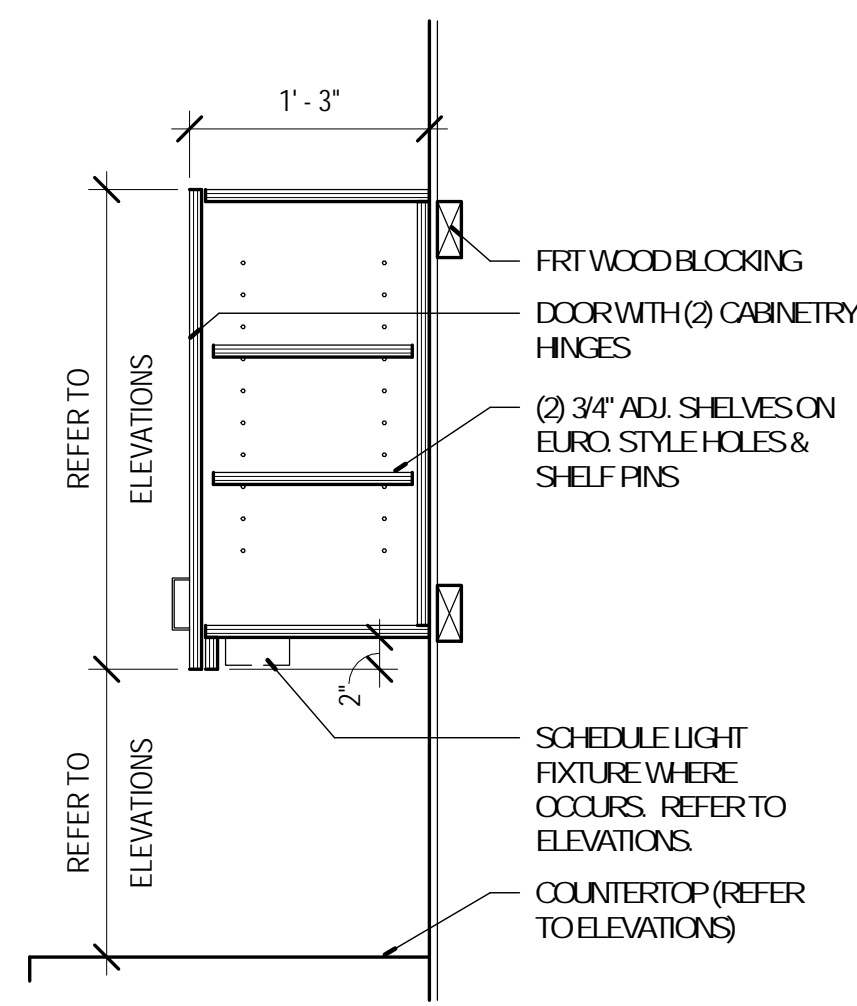
8 DETAIL - BASE CABINET
A-810 1" = 1'-0" REFERENCE



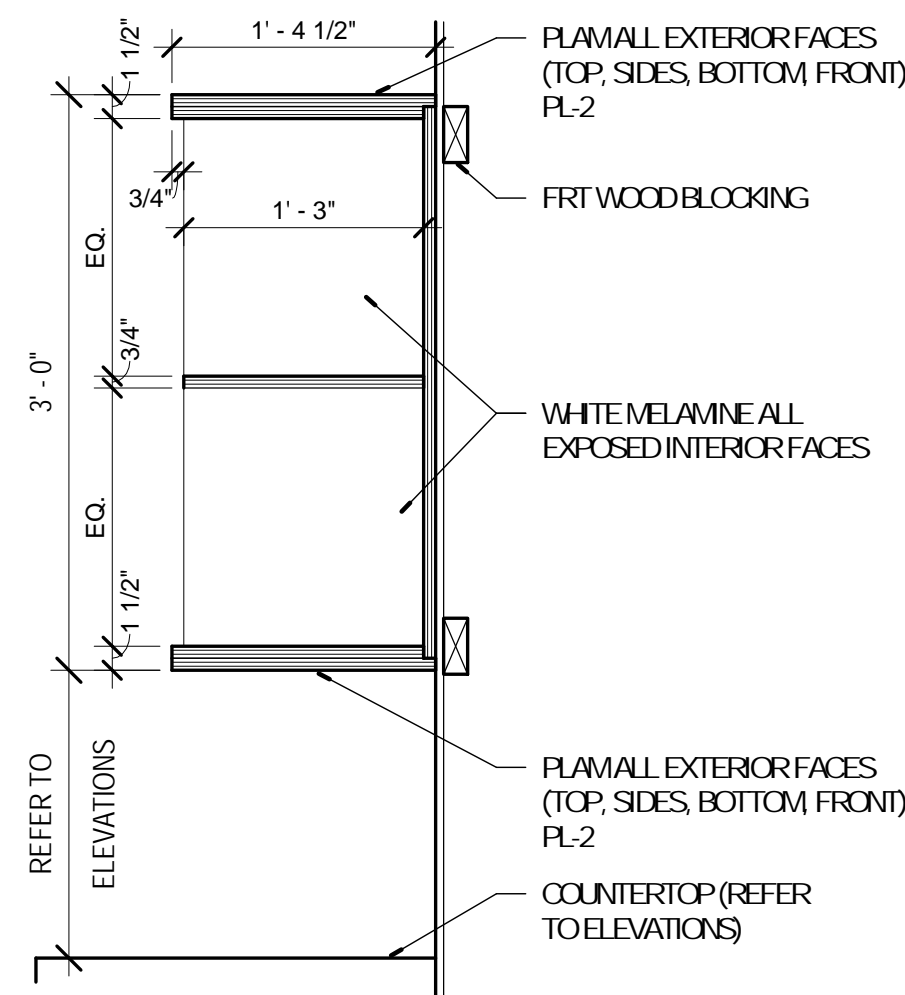
9 DETAIL - BASE CABINET
A-810 1" = 1'-0" REFERENCE



10 DETAIL - BASE CABINET WITH OPEN SHELF & DRAWER
A-810 1" = 1'-0" REFERENCE



11 DETAIL - UPPER CABINET
A-810 1" = 1'-0" REFERENCE



12 DETAIL - UPPER CABINET
A-810 1" = 1'-0" REFERENCE

No.	Date	Description
	04/14/17	ISSUED FOR BID

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: SC/SH

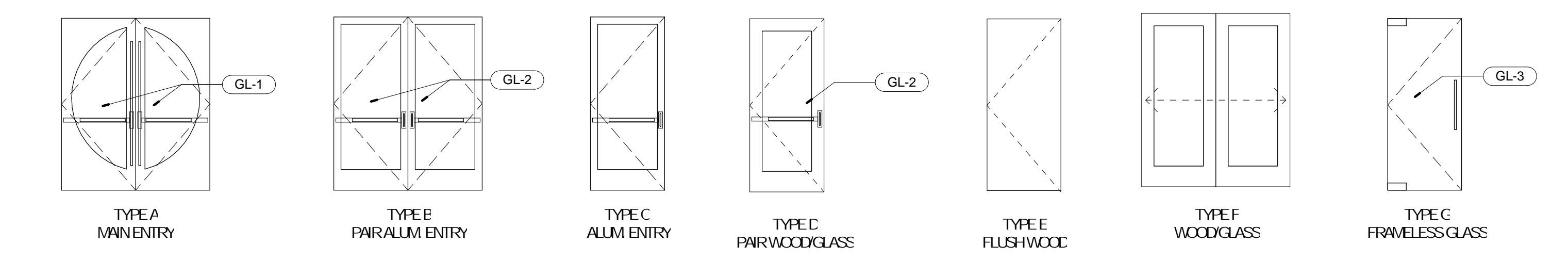
PROJECT NUMBER: 16-1161.03

SHEET TITLE:
DOOR SCHEDULE / DOOR,
FRAME AND WINDOW TYPES

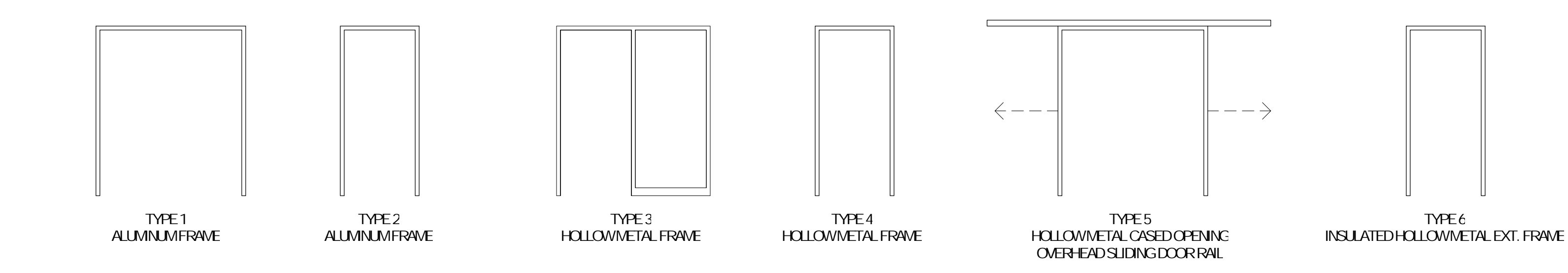
A-901

DOOR NUMBER	WIDTH	HEIGHT	DOOR THICKNESS	DOOR TYPE	DOOR MATERIAL	FRAME		HDWR. GROUP	FIRE RATING	REMARKS
						TYPE	FINISH			
400A	PR 3'-0"	7'-0"	1 3/4"	A	ALUM.	1	PRE-FINISHED	1.0 AO		CUSTOM COLOR TO MATCH SAMPLE, SEE SPECS.
400B	PR 3'-0"	7'-0"	1 3/4"	B	ALUM.	1	PRE-FINISHED	4.0 AO		
401	3'-0"	7'-0"	1 3/4"	D	WD-1/GL	3	PT-3		6.0	
402	3'-0"	7'-0"	1 3/4"	E	WD-1	4	PT-3		13.0	SEE NOTE 1 BELOW, INSTALL RESTROOM SIDE.
403	3'-0"	7'-0"	1 3/4"	E	WD-1	4	PT-3		13.0	SEE NOTE 1 BELOW, INSTALL RESTROOM SIDE.
404	3'-0"	7'-0"	1 3/4"	C	ALUM.	2	PRE-FINISHED		2.0	
404B	PR 3'-0"	7'-0"	1 3/4"	F	WD-1/GL	5	PT-3		5.0	PAIR OF SLIDERS ON RAIL
406	3'-6"	7'-0"	1 3/4"	E	WD-1	4	PT-3		7.0	45 MINUTE
407	3'-0"	7'-0"	1 3/4"	C	ALUM.	2	PRE-FINISHED		2.0	
408	3'-0"	7'-0"	1 3/4"	C	ALUM.	2	PRE-FINISHED		2.0	
412	3'-0"	7'-0"	1 3/4"	E	WD-1	4	PT-3		11.0	
413	3'-0"	7'-0"	1 1/2"	G	GL	N/A	N/A		14.0	FLOOR AND HEAD PIVOTS, SEE SPECS.
414	3'-0"	7'-0"	1 1/2"	G	GL	N/A	N/A		14.0	FLOOR AND HEAD PIVOTS, SEE SPECS.
416	3'-0"	7'-0"	1 3/4"	E	WD-1	4	PT-3		10.0	45 MINUTE
417	3'-0"	7'-0"	1 3/4"	E	WD-1	4	PT-3		9.0	
418	3'-0"	7'-0"	1 3/4"	C	ALUM.	2	PRE-FINISHED		2.0	
419	3'-0"	7'-0"	1 3/4"	E	WD-1	4	PT-3		9.0	
420	3'-0"	7'-0"	1 3/4"	E	WD-1	4	PT-3		12.0	45 MINUTE

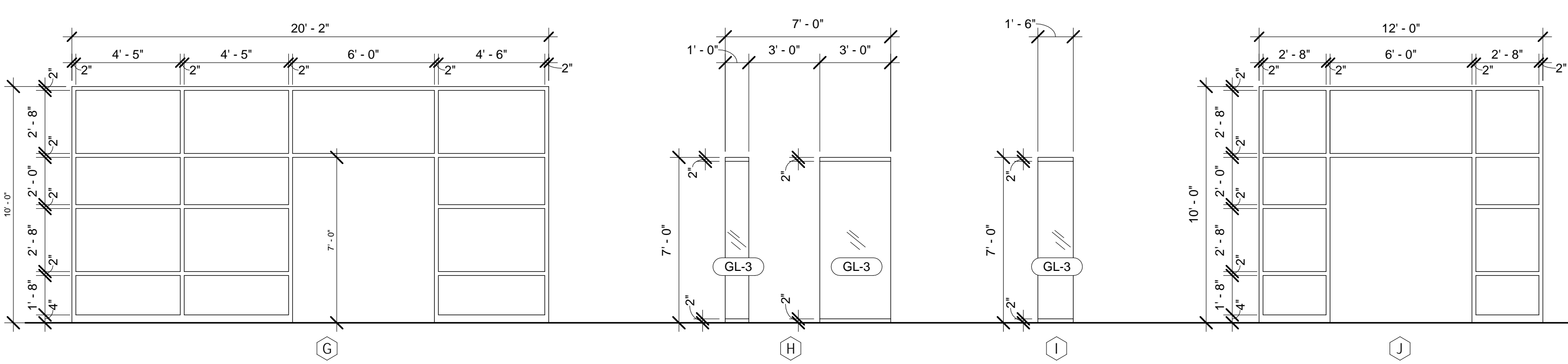
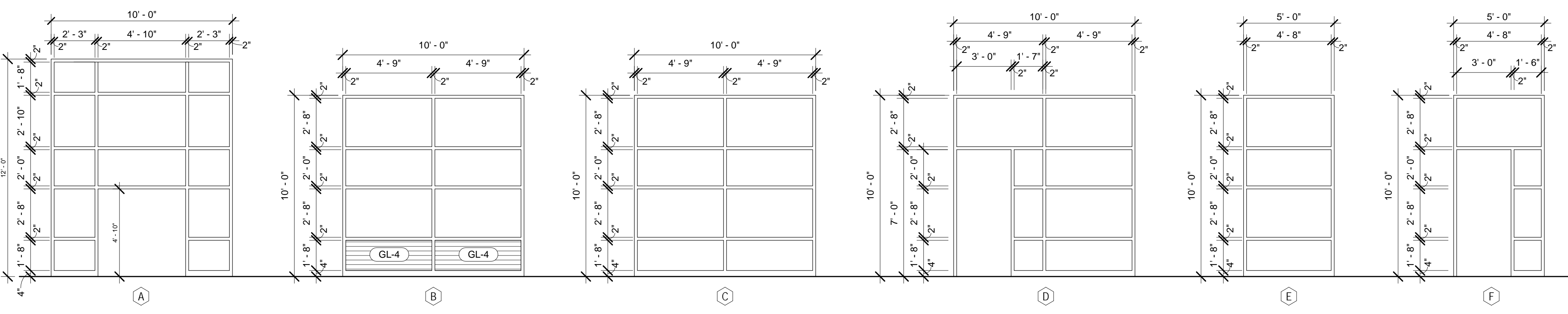
DOOR HARDWARE NOTES
1. PROVIDE FOOT OPERATED DOOR OPENER STEER PULL, IN SILVER FINISH FOR THIS DOOR



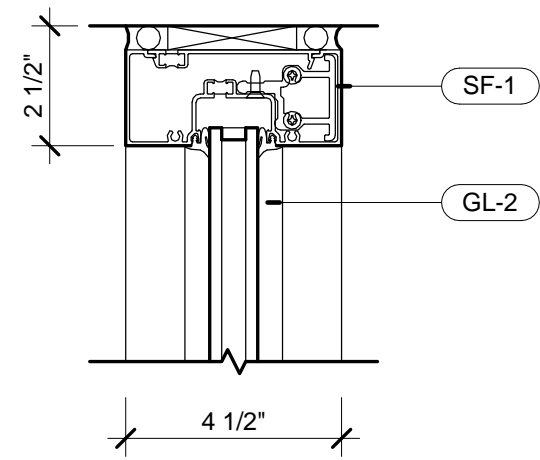
DOOR TYPES
1/4" = 1'-0"



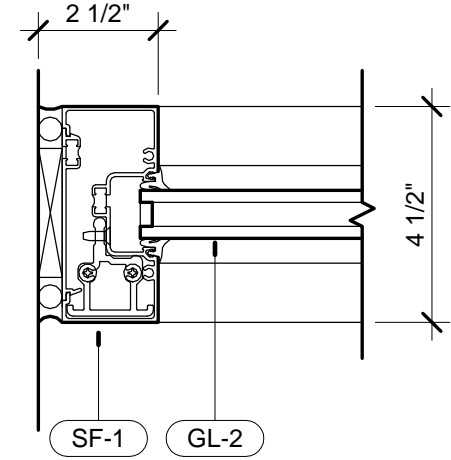
FRAME TYPES
1/4" = 1'-0"



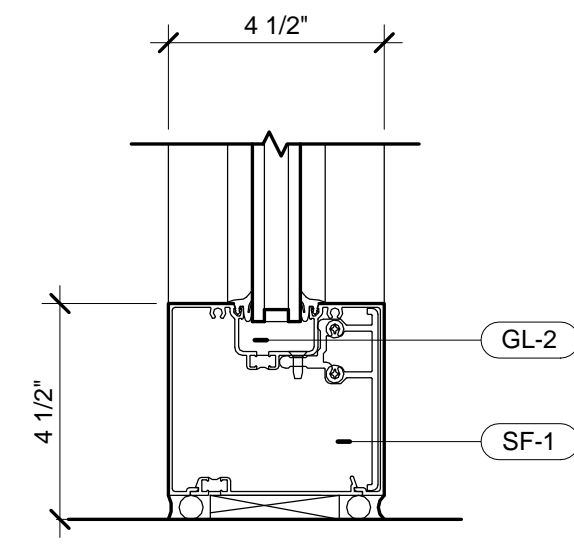
WINDOW TYPES
1/4" = 1'-0"



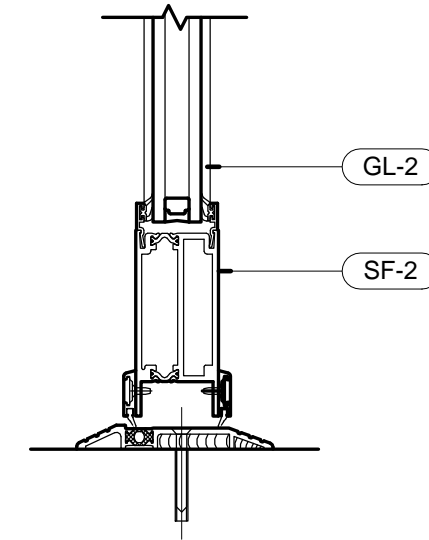
1 HEAD MULLION
A-902 3" = 1'-0"



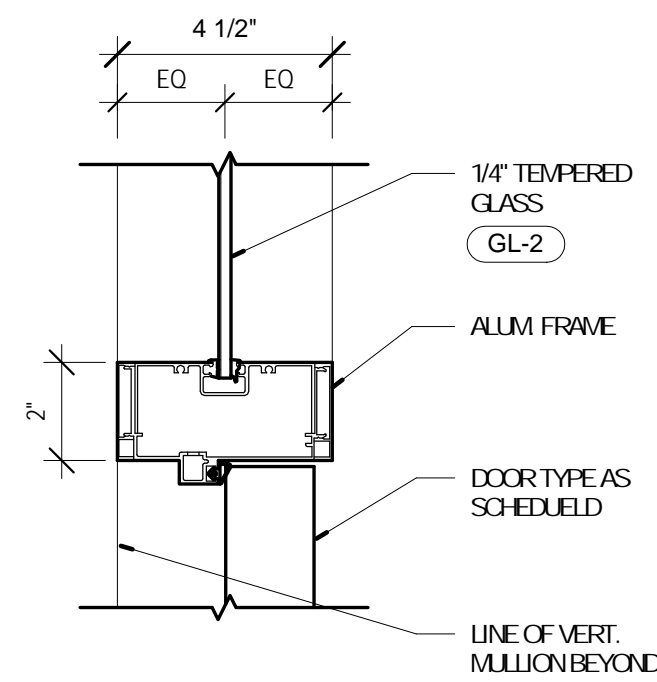
2 JAMB MULLION
A-902 3" = 1'-0"



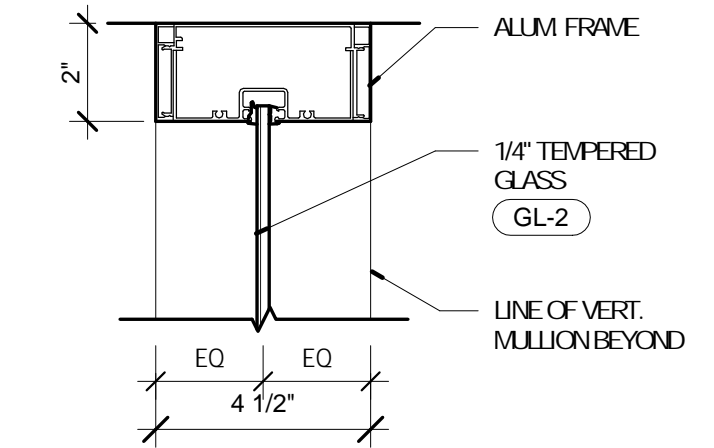
3 SILL MULLION
A-902 3" = 1'-0"



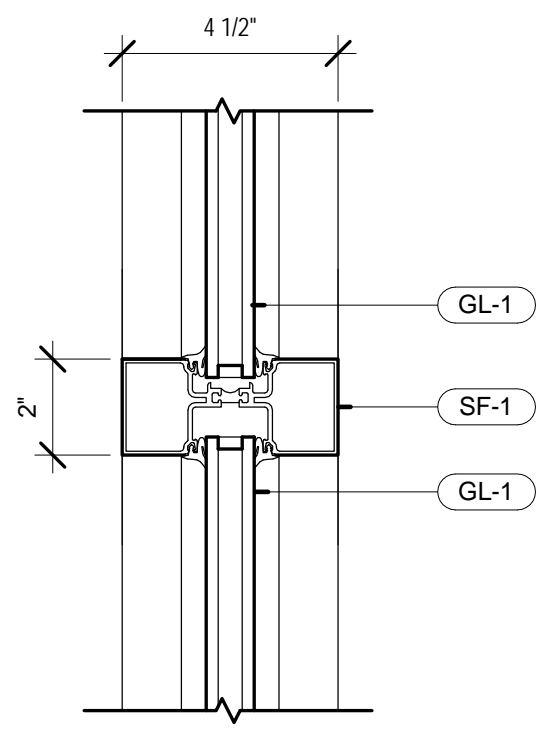
4 DOOR SILL
A-902 3" = 1'-0"



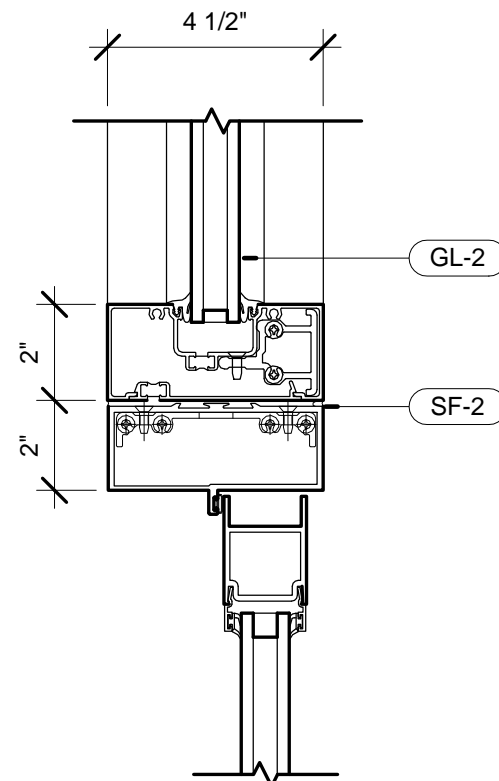
5 MULLION / DOOR JAMB
A-902 3" = 1'-0"



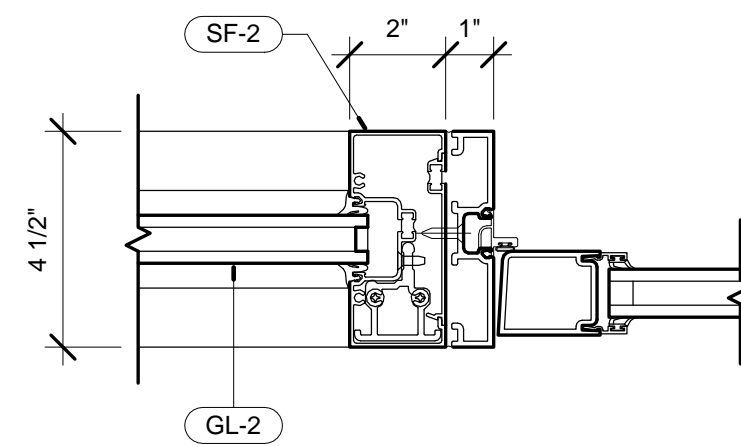
6 MULLION / DOOR JAMB
A-902 3" = 1'-0"



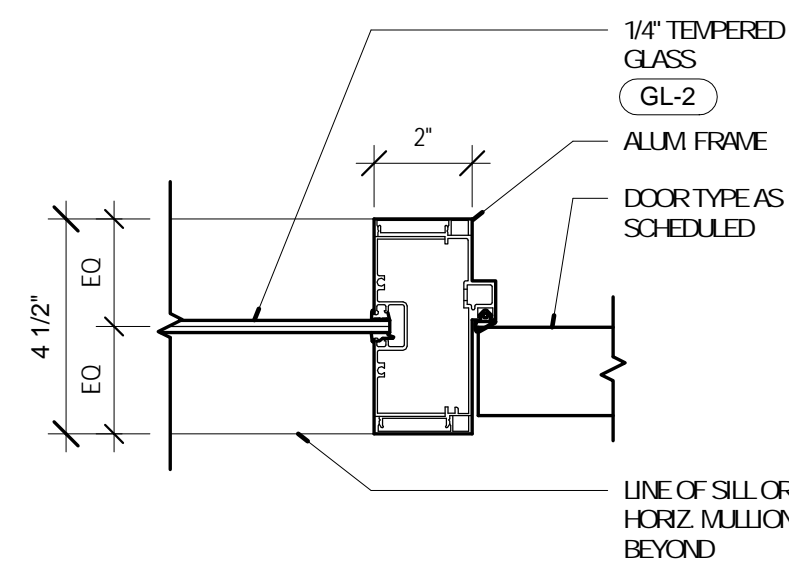
7 INNER MULLION
A-902 3" = 1'-0"



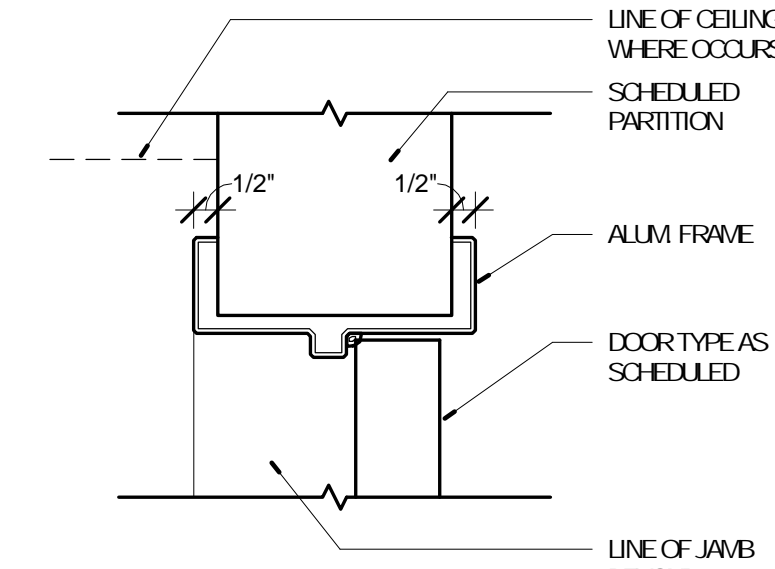
8 INNER MULLION / DOOR HEAD
A-902 3" = 1'-0"



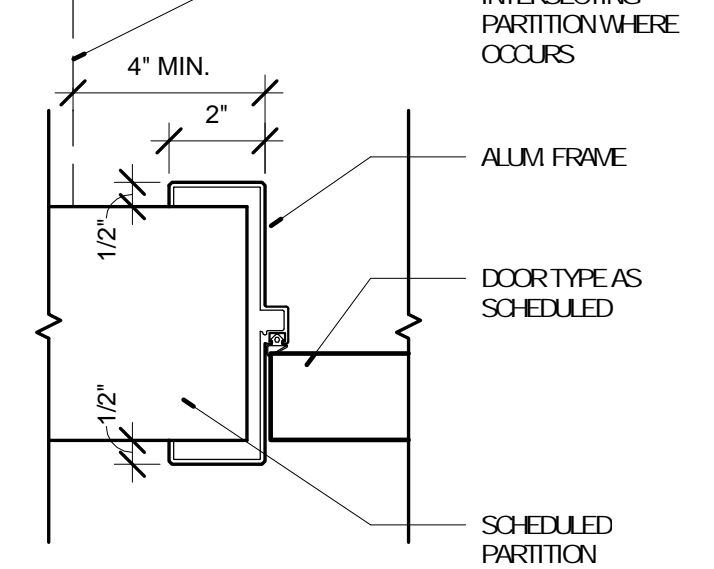
9 INNER MULLION / DOOR JAMB
A-902 3" = 1'-0"



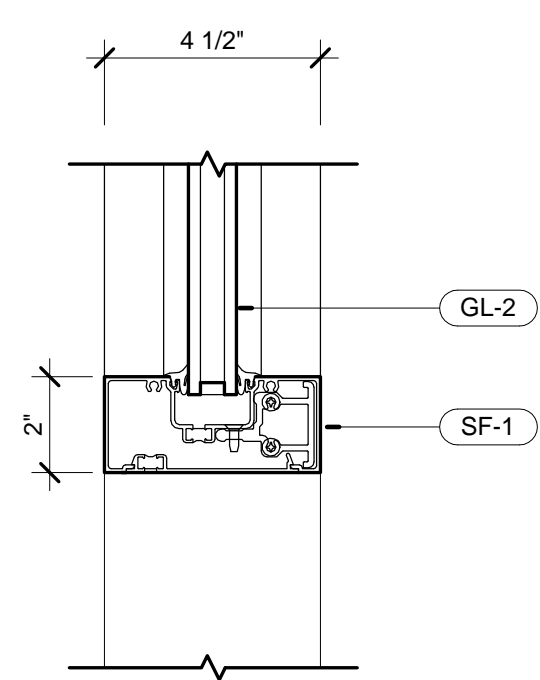
10 MULLION / DOOR JAMB
A-902 3" = 1'-0"



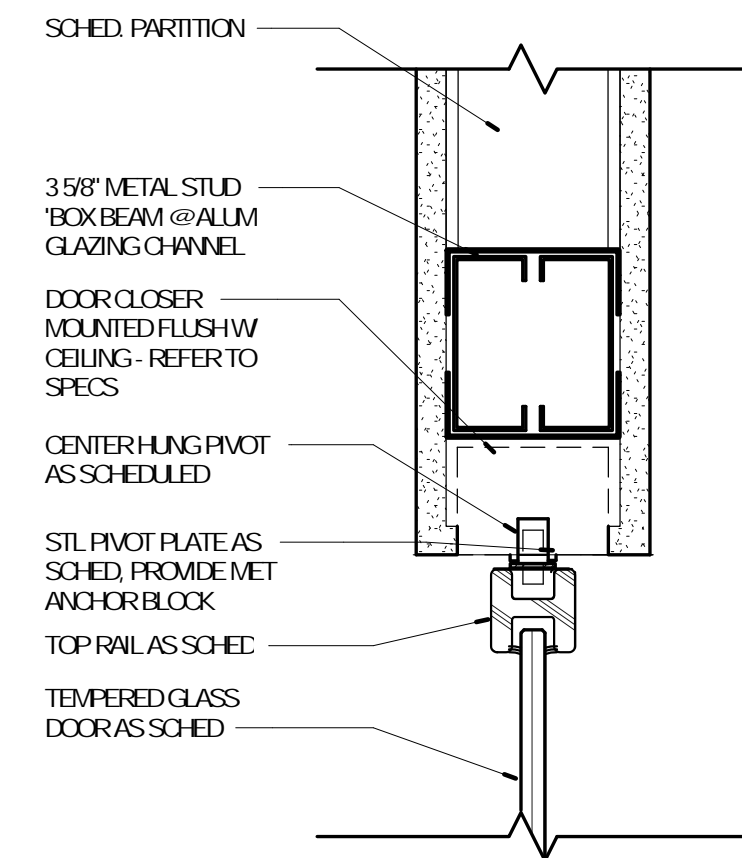
11 DOOR HEAD (TYP)
A-902 3" = 1'-0"



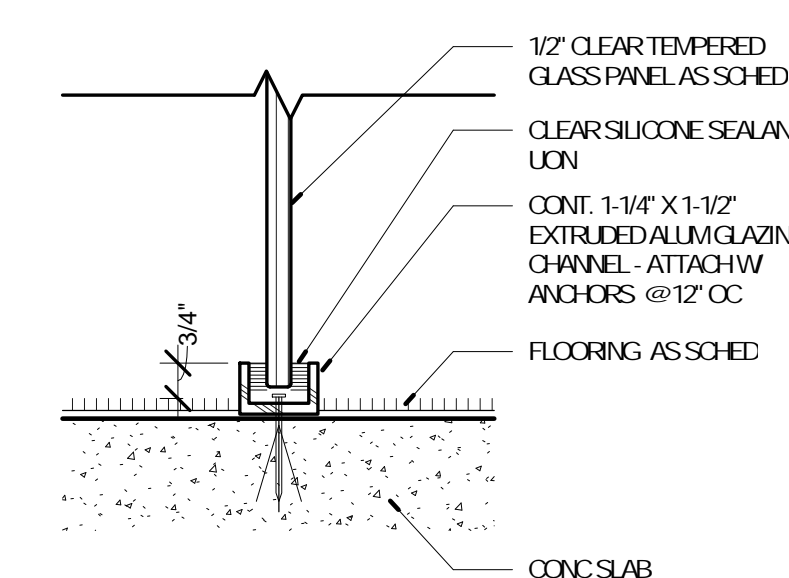
12 DOOR JAMB (TYP)
A-902 3" = 1'-0"



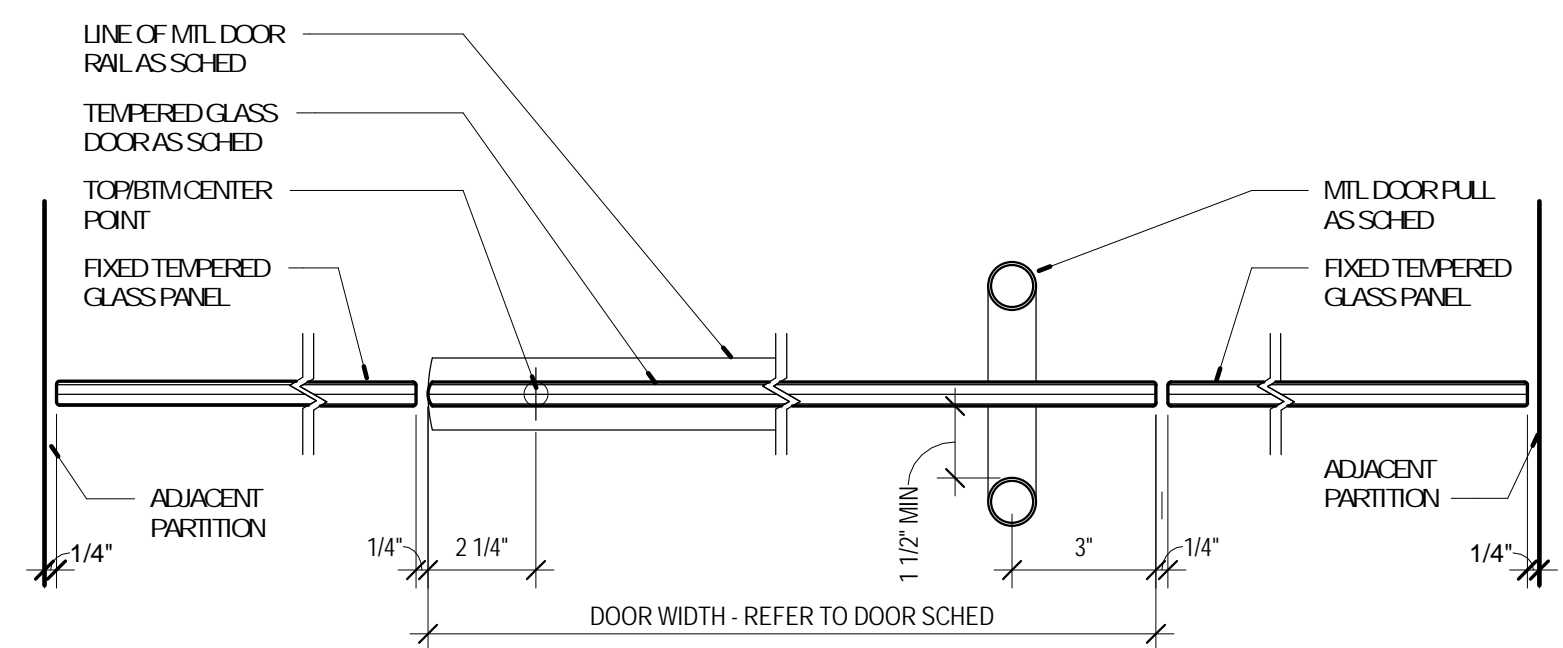
13 INNER MULLION
A-902 3" = 1'-0"



15 DETAIL @ GLASS DOOR HEAD
A-902 3" = 1'-0"



16 DETAIL @ GLASS PANEL SILL
A-902 3" = 1'-0"



17 JAMB DETAIL @ TEMPERED GLASS DOOR
A-902 3" = 1'-0"

No.	Date	Description
	04/14/17	ISSUED FOR BID

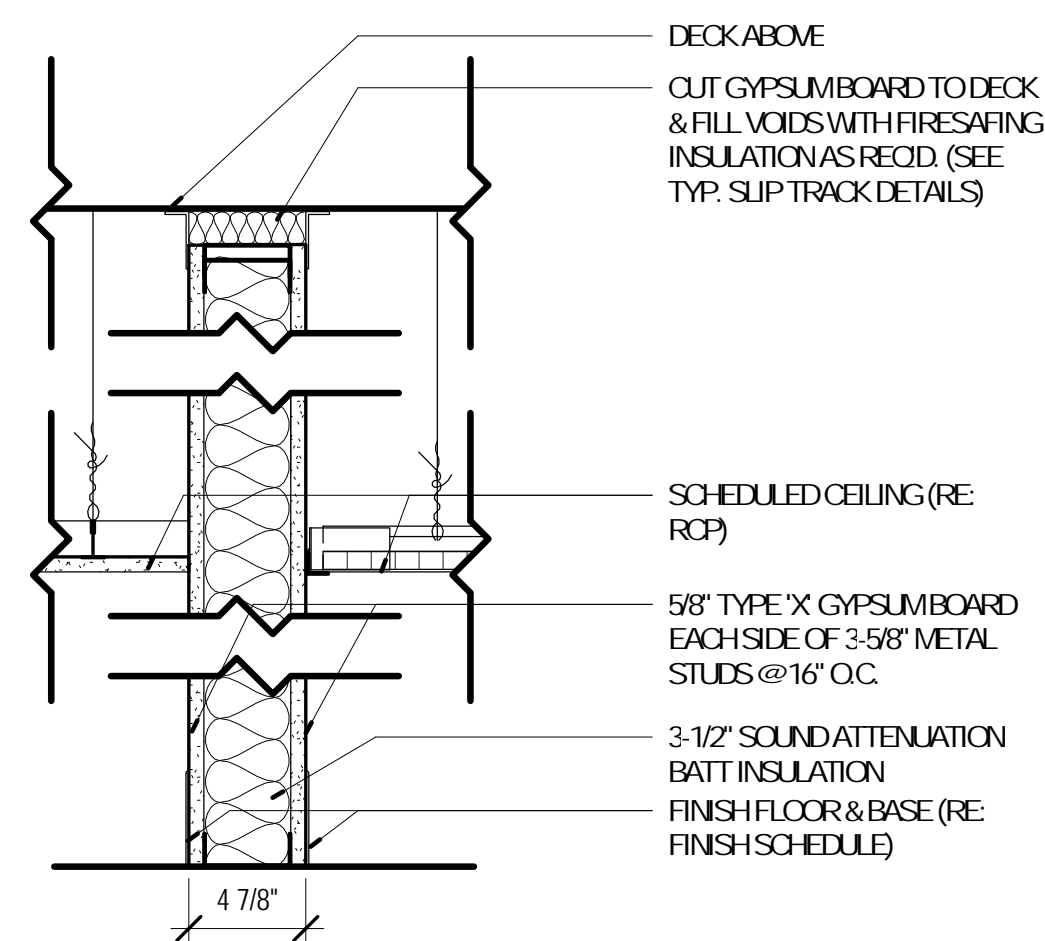
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **Author**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
PARTITION TYPES

A-903



1A 4-7/8" PARTITION (1-HOUR) U.L. DESIGN#L-415
SCALE: 1-1/2" = 1'-0"

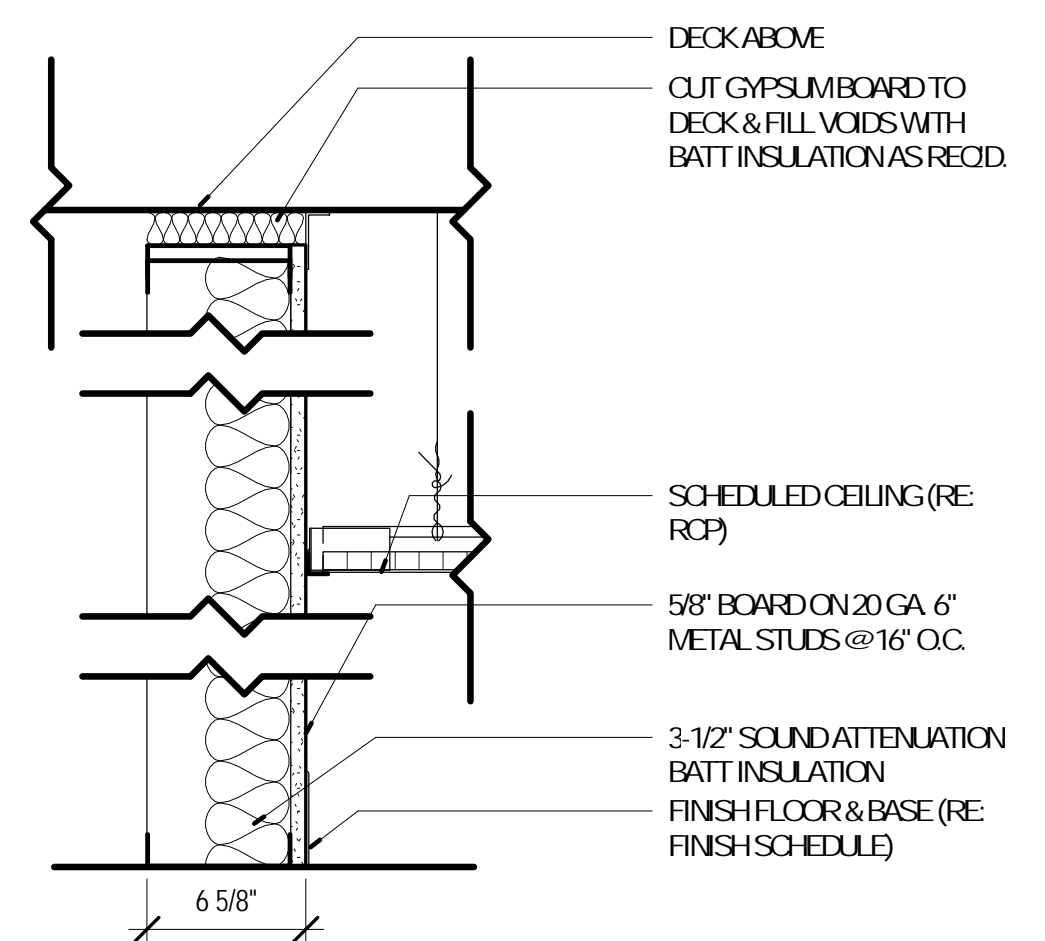
1E 4-7/8" PARTITION (GYP. TO DECK)
SIMILAR TO TYPE 1A, WITH THE FOLLOWING CHANGES:
• PROVIDE TYPICAL GYPSUM BOARD IN LIEU OF TYPE 'X'
• OMIT SLIP TRACK AND FIRESAFING INSULATION

1C 4-7/8" PARTITION
SIMILAR TO TYPE 1B, WITH THE FOLLOWING CHANGES:
• GYPSUM BOARD ONLY EXTENDS TO TOP OF GYPSUM CEILING OR 6" ABOVE DROP CEILING
• SOUND ATTENUATION BATT INSULATION TO 6" ABOVE CEILING AND MIN. 2'-0" ON EITHER SIDE OF PARTITION
• BRACE PARTITION TO STRUCTURE ABOVE AT MAX. 8'-0" O.C.

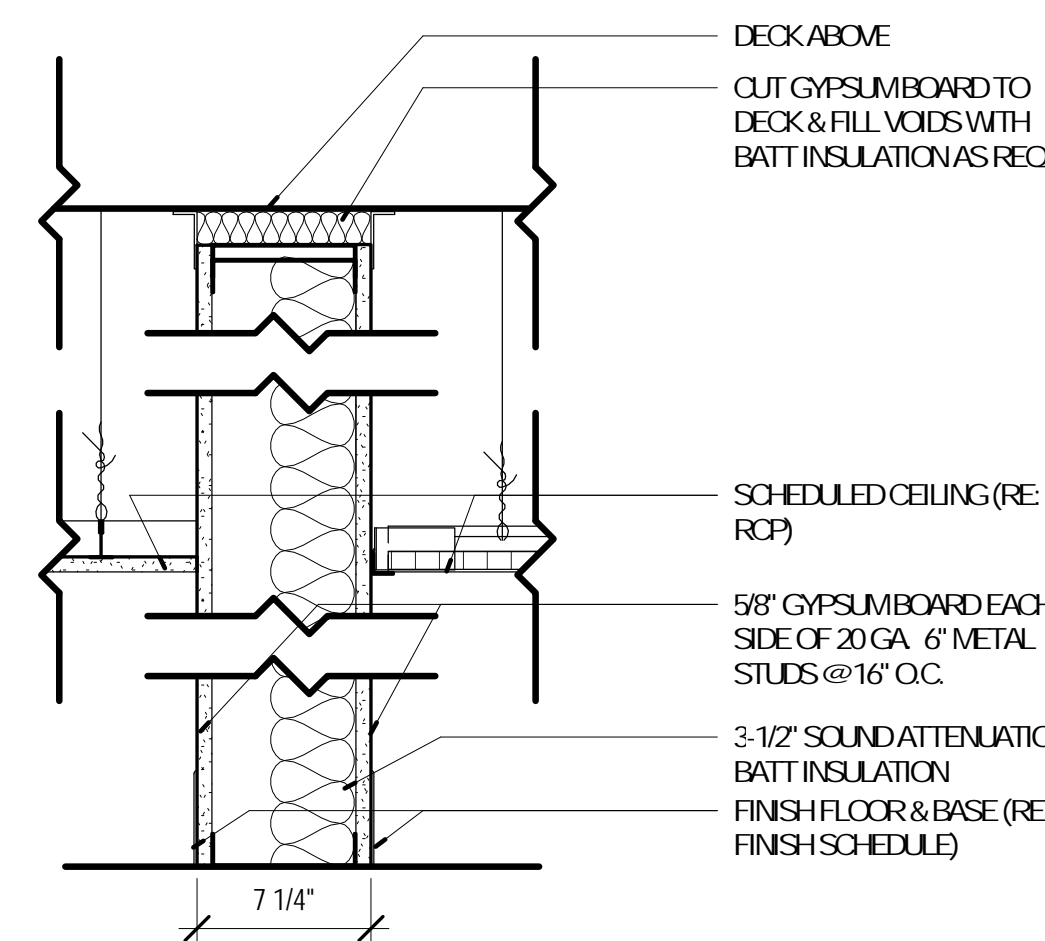
1C 4-7/8" PARTITION (GYP. TO DECK - 1 SIDE)
SIMILAR TO TYPE 1B, WITH THE FOLLOWING CHANGES:
• EXTEND GYPSUM BOARD TO DECK ON SIDE OF PARTITION WITH NO CEILING. ON SIDE OF PARTITION WITH CEILING, EXTEND GYPSUM BOARD TO TOP OF GYPSUM CEILING OR 6" ABOVE DROP CEILING
• SOUND ATTENUATION BATT INSULATION TO 6" ABOVE CEILING AND MIN. 2'-0" ON SIDE OF PARTITION WITH CEILING

1E 4-7/8" PARTITION (TO CEILING)
SIMILAR TO TYPE 1C, WITH THE FOLLOWING CHANGES:
• NO SOUND ATTENUATION BATTS

1F 4-7/8" PARTITION (GYP. TO DECK - 1 SIDE)
SIMILAR TO TYPE 1C, WITH THE FOLLOWING CHANGES:
• NO SOUND ATTENUATION BATTS



4A 6-5/8" PARTITION (GYP. TO DECK)
SCALE: 1-1/2" = 1'-0"



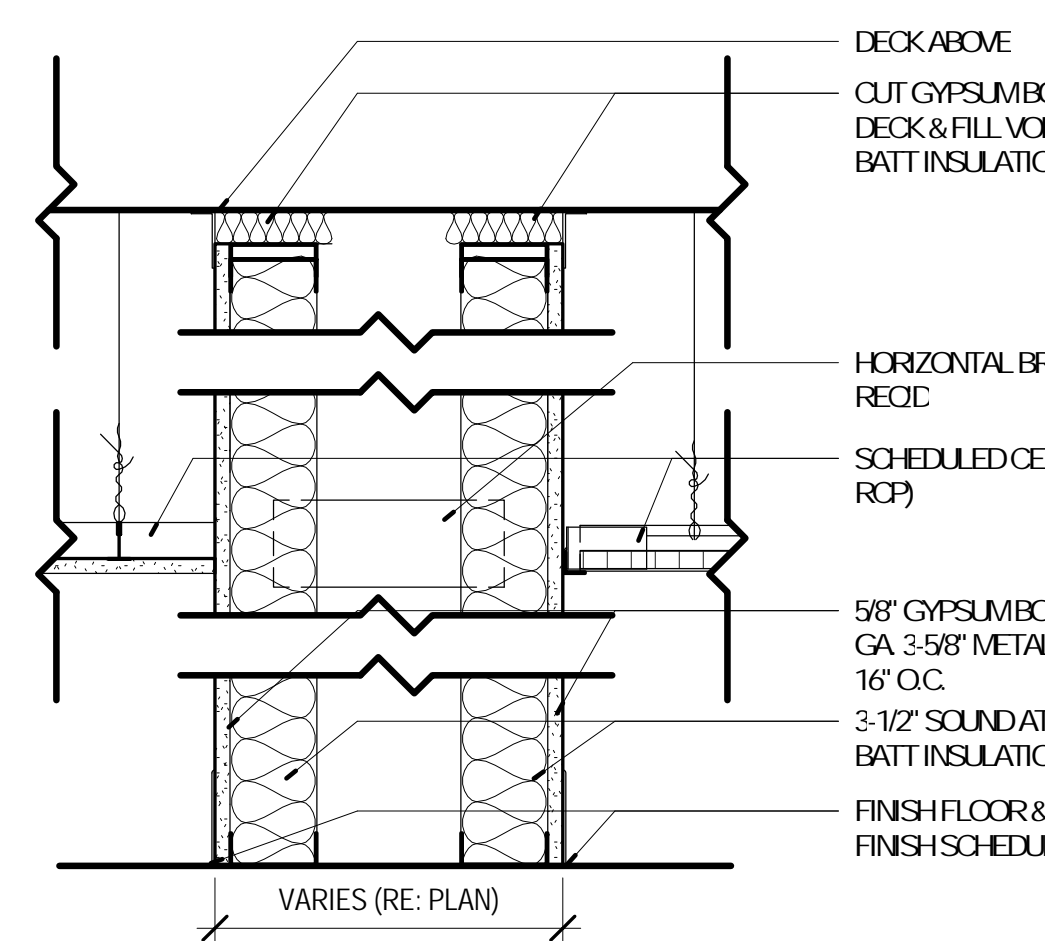
2A 7-1/4" PARTITION (GYP. TO DECK)
SCALE: 1-1/2" = 1'-0"

2E 7-1/4" PARTITION
SIMILAR TO TYPE 2A, WITH THE FOLLOWING CHANGES:
• GYPSUM BOARD ONLY EXTENDS TO TOP OF GYPSUM CEILING OR 6" ABOVE DROP CEILING
• SOUND ATTENUATION BATT INSULATION TO 6" ABOVE CEILING AND MIN. 2'-0" ON EITHER SIDE OF PARTITION
• BRACE PARTITION TO STRUCTURE ABOVE AT MAX. 8'-0" O.C.

2C 7-1/4" PARTITION (1-HOUR) U.L. DESIGN#L-415
SIMILAR TO TYPE 2A, WITH THE FOLLOWING CHANGES:
• TYPE 'X' GYPSUM BOARD
• SLIP TRACK AND FIRESAFING INSULATION

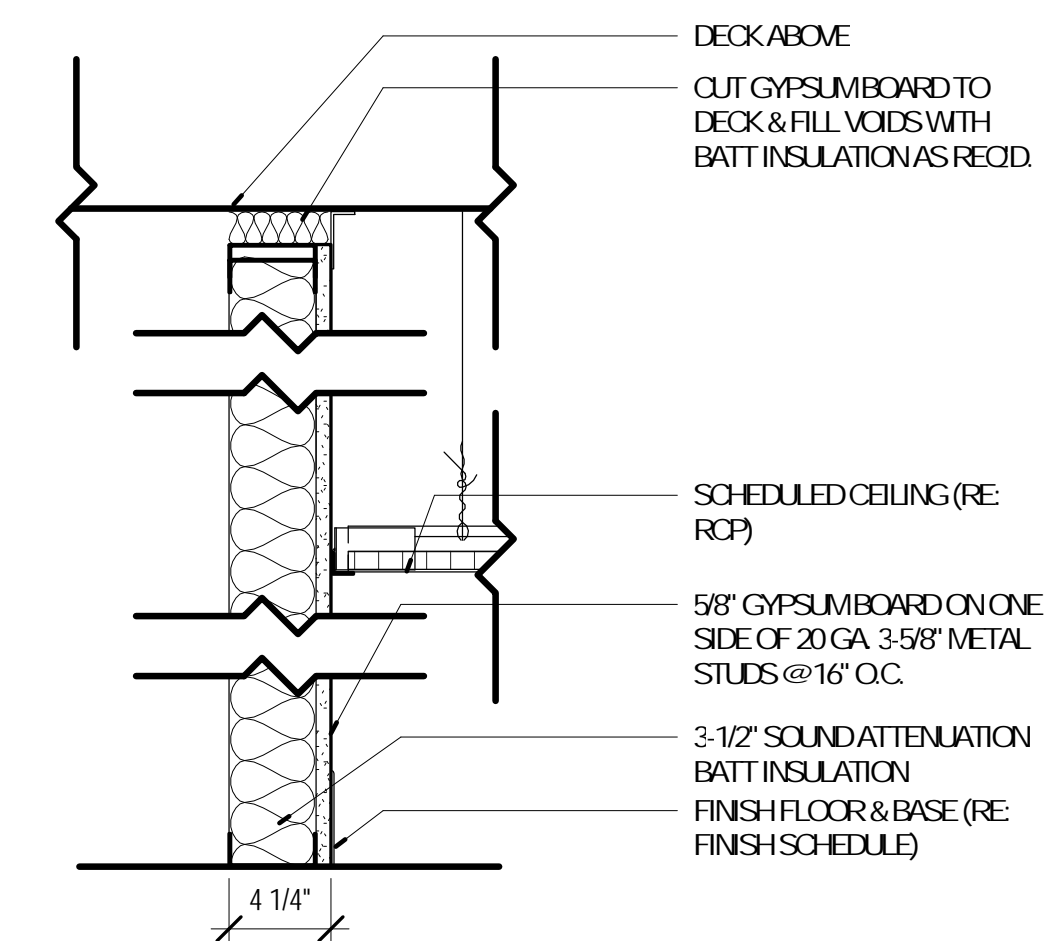
2C 7-1/4" PARTITION (TO CEILING)
SIMILAR TO TYPE 2A, WITH THE FOLLOWING CHANGES:
• GYPSUM BOARD ONLY EXTENDS TO SCHEDULED CEILING
• BRACE PARTITION TO STRUCTURE ABOVE AT MAX. 8'-0" O.C.

2E 8-1/2" PARTITION
SIMILAR TO TYPE 2A, WITH THE FOLLOWING CHANGES:
• 1/2" PLYWOOD SHEATHING BOTH SIDES IN LIEU OF GYPSUM BOARD
• 3/4" WOOD PLANK BOTH SIDES
• NO SOUND ATTENUATION BATTS



5A CHAISE PARTITION (GYP. TO DECK)
SCALE: 1-1/2" = 1'-0"

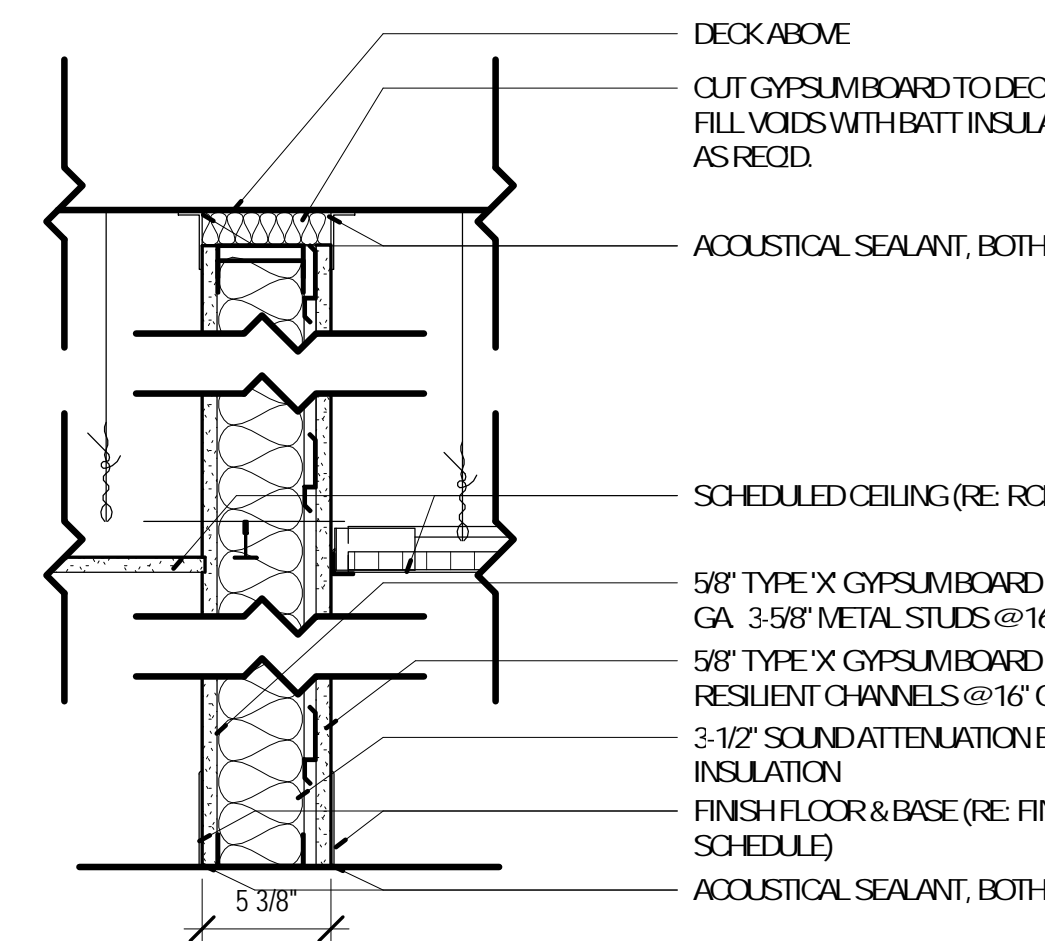
5E CHAISE PARTITION
SIMILAR TO TYPE 5A, WITH THE FOLLOWING CHANGES:
• PROVIDE GEMITTICUS BACKER BOARD UP TO 48" A.F.F.
• EXTEND GYPSUM BOARD TO TOP OF GYPSUM CEILING OR MIN. 6" ABOVE DROP CEILING
• SOUND ATTENUATION BATT INSULATION TO 6" ABOVE CEILING AND MIN. 2'-0" ON EITHER SIDE OF PARTITION



3A 4-1/4" PARTITION (GYP. TO DECK)
SCALE: 1-1/2" = 1'-0"

3E 4-1/4" PARTITION
SIMILAR TO TYPE 3A, WITH THE FOLLOWING CHANGES:
• STOP PARTITION INSULATION AT TOP OF GYPSUM BOARD
• EXTEND GYPSUM BOARD TO TOP OF GYPSUM CEILING OR MIN. 6" ABOVE DROP CEILING
• BRACE PARTITION TO DECK AT MAX. 8'-0" O.C. IF NOT USED AS FURRING WALL

3C 4-1/4" PARTITION (TO CEILING)
SIMILAR TO TYPE 3A, WITH THE FOLLOWING CHANGES:
• NO SOUND ATTENUATION BATTS



6A 5-3/8" PARTITION (ACOUSTIC) STC 5C
SCALE: 1-1/2" = 1'-0"

6E 7-3/4" PARTITION (ACOUSTIC) STC 5C
SIMILAR TO TYPE 6A, WITH THE FOLLOWING CHANGES:
• USE 20 GA. 6" METAL STUDS IN LIEU OF 3-5/8" METAL STUDS
• USE 5" THERMAFIBER SAFB SOUND ATTENUATION BATT INSULATION

GENERAL NOTES:

DESIGN CRITERIA:

A. CODES AND STANDARDS:

2009 INTERNATIONAL BUILDING CODE (I.B.C.)
BUILDING OCCUPANCY CATEGORY: II

B. DESIGN LOADS:

ROOF:
SUPERIMPOSED DEAD LOADS:

ROOFING: 3 PSF
INSULATION: 4 PSF
METAL DECK: 3 PSF
CEILINGS: 2 PSF
MEP: 4 PSF
SPRINKLER LIVE LOADS: 4 PSF

LIVE LOADS:

MINIMUM LIVE LOAD: 23 PSF

SNOW LOADS:

SNOW LOAD IMPORTANCE FACTOR: I = 1.0
GROUND SNOW LOAD: Pg = 20 PSF
FLAT ROOF SNOW LOAD: Pf = 14 PSF
SNOW EXPOSURE FACTOR: Ce = 1.0
THERMAL FACTOR: Ct = 1.0

WIND DESIGN DATA:

WIND LOAD IMPORTANCE FACTOR: I = 1.0
BASIC WIND SPEED: 90 MPH
WIND EXPOSURE: C

INTERNAL PRESSURE COEFFICIENT: +/- 0.18
COMPONENTS AND CLADDING: (0.10 SF):
ZONE 1: -19.9 PSF / +10 PSF
ZONE 2: -23.0 PSF / +10 PSF
ZONE 3: -30.8 PSF / +10 PSF
ZONE 4: -18.2 PSF / +16.8 PSF
ZONE 5: -22.4 PSF / +16.8 PSF

SEISMIC DESIGN DATA:

SEISMIC IMPORTANCE FACTOR: I = 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS: Ss = 34.2 / S1 = 12.3%
SITE CLASS: C
SPECTRAL RESPONSE COEFFICIENTS: Sds = 27.4% / Sd1 = 13.7%
SEISMIC DESIGN CATEGORY: C
BASIC STRUCTURAL SYSTEM: STRUCTURAL STEEL SYSTEM
BASIC SEISMIC FORCE-RESISTING SYSTEM(S):
STRUCTURAL STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.
RESPONSE MODIFICATION FACTOR: R = 3
SEISMIC RESPONSE COEFFICIENT: Cs = 0.091
DESIGN BASE SHEAR: V = 20K
ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE

FOUNDATIONS:

DESIGN:

1. THE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE "SOILS AND FOUNDATION INVESTIGATION" BY COCHRAN, DATED NOVEMBER 2016.

2. BACKFILLING:

A. DO NOT BACKFILL BASEMENT WALLS AND GRADE BEAMS UNTIL BRACING FLOORS ARE IN PLACE OR ADEQUATE TEMPORARY BRACING IS INSTALLED.

B. BACKFILL UNDER FOUNDATIONS WITH CONCRETE OR AS APPROVED BY GEOTECHNICAL ENGINEER.

SPREAD FOOTINGS:

1. FOOTINGS SHALL BEAR ON FIRM NATURAL SOIL OR ENGINEERED FILL CAPABLE OF SUSTAINING A NET BEARING PRESSURE OF 2000 PSF, UNDER FULL SERVICE LIVE AND DEAD LOADS.

2. TOP OF FOOTING (T/F) ELEVATIONS ARE SHOWN ON THE PLANS.

3. FOOTINGS SHALL BE POURED INTO AN EARTH-FORMED TRENCH U.N.O.. CONTRACTOR TO PROVIDE ADDITIONAL CONCRETE REQUIRED DUE TO SOIL CHARACTERISTICS OR SLOPE OF EXCAVATIONS.

4. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT. THE GEOTECHNICAL ENGINEER SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.

5. BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 30" BELOW FINAL GRADE FOR FROST PROTECTION.

FOUNDATION / RETAINING WALLS:

1. ACTIVE DESIGN PRESSURE IS EQUAL TO AN EQUIVALENT FLUID PRESSURE OF 50 PCF

2. AT-REST DESIGN PRESSURE IS EQUAL TO AN EQUIVALENT FLUID PRESSURE OF 70 PCF

3. PASSIVE DESIGN PRESSURE IS EQUAL TO AN EQUIVALENT FLUID PRESSURE OF 250 PCF

4. SURCHARGE LOADS ARE 100 PSF AT THE SURFACE.

5. COEFFICIENT OF SLIDING FRICTION:

CONCRETE/SOIL = 0.35 (ASSUMED)

6. FOUNDATION WALLS THAT RETAIN EARTH SHALL BE BRACED AGAINST BACKFILLING PRESSURES UNTIL FLOOR SLABS AT TOP AND BOTTOM ARE IN PLACE.

7. WHERE FOUNDATION WALLS ARE TO HAVE EARTH PLACED ON EACH SIDE, PLACE FILL SIMULTANEOUSLY SO AS TO MAINTAIN A COMMON ELEVATION ON EACH SIDE OF THE WALL.

8. DO NOT BACKFILL UNTIL CONCRETE HAS REACHED ITS 28 DAY STRENGTH.

CONCRETE:

1. CONCRETE SHALL CONFORM WITH THE REQUIREMENTS SET FORTH IN A.C.I. 301 AND SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH AND DENSITY, IN ACCORDANCE WITH THE FOLLOWING:

INTENDED USE	28 DAY STRENGTH fc (K.S.I.)	CONCRETE DENSITY	MAXIMUM W/C (INCLUDING FLY ASH)	MINIMUM CEMENT MATERIAL (#CY INCLUDING FLY ASH)	MAXIMUM AGGREGATE (IN.)	SLUMP LIMITS (IN.) (+0", -2")	TOTAL AIR LIMITS (%)(B)	REQUIRED ADMIXTURES (C)
FOOTINGS	4	145	0.48	564	1	4	-	-
FOUNDATION WALLS	4	145	0.48	564	3/4	4	-	-
CONCRETE EXPOSED TO DEICERS	4	145	0.40	564	3/4	4	6	AE, WR
INTERIOR SLABS ON GRADE	4	145	0.50	564	1	4	N	-
ALL CONCRETE NOT OTHERWISE SPECIFIED	4	145	0.40	564	3/4	4	6	-

NOTES:

A. FOR MAXIMUM COARSE AGGREGATE SIZE INDICATED, USE THE FOLLOWING AGGREGATE SIZE NUMBERS PER A.S.T.M. C33:

3/8" - #8 AGGREGATE
3/4" - #67 AGGREGATE
1" - #57 AGGREGATE
1 1/2" - #467 AGGREGATE

B. TOTAL AIR CONTENT LIMITS INCLUDE BOTH ENTRAINED AND ENTRAPPED AIR +/- 1 1/2%. "N" IN COLUMN INDICATES ADDITION OF ENTRAINED AIR IS NOT PERMITTED.

C. ABBREVIATIONS FOR REQUIRED ADMIXTURES AS FOLLOWS: AE - AIR-ENTRAINING ADMIXTURE, WR - WATER REDUCING ADMIXTURE

D. MAXIMUM SHRINKAGE FOR SLAB ON GRADE SHALL BE LIMITED TO 5/8" PER 100 FOOT.

2. REINFORCING SHALL CONFORM TO A.S.T.M. A615, GR. 60, INCLUDING TIES AND STIRRUPS. BARS REQUIRING WELDING OR FIELD BENDING SHALL BE A.S.T.M. A706, GRADE 60.

3. WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. A185.

4. LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE. WHERE CLASSES ARE NOT CALLED OUT ON DRAWINGS, USE CLASS "B" SPLICES.

SPLICES fc = 4000 P.S.I., fy = 60,000 P.S.I.

STANDARD TENSION LAP SPlice, GRADE 60													
CLASS A and B LAP SPlice LENGTH (INCHES)													
BAR SIZE	CLASS CASE	fc = 3,000 P.S.I.				fc = 4,000 P.S.I.				fc = 5,000 P.S.I.			
		A	B	A	B	A	B	A	B	A	B		
#3		16	25	21	32	14	21	18	28	13	19	17	25
#4		22	33	28	43	19	28	25	37	17	25	22	33
#5		27	41	36	53	24	36	31	46	21	32	28	41
#6		33	49	43	64	28	43	37	55	25	38	33	50
#7		48	72	62	93	42	62	54	81	37	56	48	72
#8		55	82	71	107	47	71	62	92	42	64	55	83
#9		62	93	80	120	54	80	70	104	48	72	62	93
#10		70	104	90	136	60	90	78	117	54	81	70	105
#11		77	116	100	151	67	100	87	130	60	90	78	117

TOP BARS ARE DEFINED AS ANY BAR WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR, SEE NOTE 4 IN TABLE NOTES.

COMPRESSION LAP SCHEDULE		
LAP LENGTH (INCHES)		
fc = 3,000 P.S.I. OR GREATER		
BAR SIZE	30 BAR DIA.	
#3	12	
#4	15	
#5	19	
#6	22	
#7	26	
#8	29	
#9	33	
#10	37	
#11	41	

TABLE NOTES:

1. TABLES ARE BASED A.C.I. 318. WHERE CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS AT LEAST 2 BAR DIAMETERS AND THE CLEAR COVER AT LEAST 1 BAR DIAMETER, USE CASE 1. USE CASE 2 FOR OTHER BAR ARRANGEMENTS.

2. ALL SPLICES TO BE CLASS "B" TENSION SPlice UNLESS OTHERWISE NOTED.

3. SPlice PLAIN WELDED WIRE FABRIC BY LAPPING ONE FULL MESH SPACE PLUS 2 INCHES.

4. FOR TOP BARS, MULTIPLY LENGTHS IN TABLE BY 1.3.

5. FOR EPOXY COATED REINFORCEMENT, MULTIPLY LENGTHS IN TABLE BY 1.5 FOR COVER LESS THAN 3db OR CLEAR SPACING LESS THAN 6db, MULTIPLY LENGTHS BY 1.2 FOR ALL OTHER EPOXY COATED REINFORCEMENT.

6. FOR LIGHT WEIGHT CONCRETE, MULTIPLY LENGTHS IN TABLE BY 1.3.

7. COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS

5. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED, IN ACCORDANCE WITH THE LATEST EDITION OF THE A.C.I. DETAILING MANUAL.

6. ALL REINFORCING SHALL BE SUPPORTED IN FORMS, SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER, IN ACCORDANCE WITH C.R.S.I. "REINFORCING BAR DETAILING", LATEST EDITION.

7. MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:

A. UNFORMED SURFACE IN CONTACT WITH THE GROUND: 3 IN.

B. FORMED SURFACES EXPOSED TO EARTH OR WEATHER: 1 1/2 IN. FOR #5 BAR OR SMALLER, 2 IN. FOR #6 BAR OR LARGER

C. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER: WALLS, SLABS: 3/4 IN., BEAMS, GIRDERS AND COLUMNS (TO TIES OR STIRRUPS): 1 1/2 IN.

CONCRETE NOTES (CONT):

8. ALL CONSTRUCTION JOINTS SHOWN ON DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE, UNLESS THEIR ELIMINATION IS APPROVED BY THE ENGINEER. ADDITIONAL CONSTRUCTION JOINTS, REQUIRED TO FACILITATE CONSTRUCTION, SHALL BE LOCATED AT POINTS OF MINIMUM SHEAR AND SHALL BE DETAILED ON SHOP DRAWINGS WITH LOCATIONS SUBJECT TO APPROVAL BY ENGINEER. REINFORCEMENT SHALL PASS CONTINUOUSLY THROUGH THE JOINT.

9. ALL ABUTTING CONCRETE MEMBERS SHALL BE DOWELED TOGETHER, UNLESS POURED MONOLITHICALLY. DOWELS SHALL BE EQUAL IN SIZE AND SPACING TO THE REINFORCING IN THE ADJACENT MEMBER.

10. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS AT ALL EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE.

11. SEE ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW OPENINGS, DRIP SLOTS, REGLETS, MASONRY ANCHORS, PRECAST BEARING LEDGES, BRICK LEDGE ELEVATIONS AND FOR MISCELLANEOUS EMBEDDED PLATES, BOLTS, ANCHORS, ANGLES, ETC.

12. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES. WHERE FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF A.C.I. 301.

13. MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS SHALL BE REFERRED TO FOR DRAINS, SLEEVES, OUTLET BOXES, CONDUIT, ANCHORS, ETC. THE VARIOUS TRADES ARE RESPONSIBLE FOR PLACING THEIR ITEMS.

14. REFER TO MECHANICAL DRAWINGS FOR HOUSEKEEPING PADS AND INERTIA BASES AT MECHANICAL EQUIPMENT.

15. PROVIDE CONCRETE EQUIPMENT PADS, INERTIA BASES AND CURBS AS NOTED ELSEWHERE IN CONTRACT DOCUMENTS. UNLESS NOTED, DOWEL PADS WITH HOOKED #4 x 0'-6" PROJECTING 3" FROM CONCRETE BELOW AT 18"O.C. EACH WAY. REINFORCE PADS WITH #4@18 EACH WAY, TOP AND BOTTOM, UNLESS OTHERWISE REQUIRED BY EQUIPMENT ANCHORAGE DESIGN.

16. REFER TO MECHANICAL DRAWINGS FOR UNDERFLOOR AND PERIMETER FOUNDATION DRAINS.

17. BASE PLATES, ANCHOR BOLTS, SUPPORT ANGLES, ETC., BELOW GRADE SHALL BE COVERED WITH A MINIMUM OF 3" CONCRETE.

18. PROVIDE CONTINUOUS WATERSTOP AT HORIZONTAL AND VERTICAL JOINTS BELOW GRADE.

19. SHORING OF COMPOSITE BEAMS AND GIRDERS IS THE RESPONSIBILITY OF THE CONCRETE CONTRACTOR. SEE COMPOSITE BEAM AND DECK NOTES FOR SHORING REQUIREMENTS.

20. FILL SLABS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE REINFORCED WITH 6#6-W1.4XW1.4 W.W.F., UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR PLAN DIMENSIONS, THICKNESSES, SLOPES TO DRAIN, ETC.

21. WHERE REINFORCING IS NOT INDICATED OR DEFINED, INCLUDE FOR BID PURPOSES ONLY:

A. WALLS: #5 EACH WAY EACH FACE. SPACING IN INCHES = 140 / (WALL THICKNESS IN INCHES) BUT NOT OVER 18"O.C.

B. BEAMS: 1-#9 CONTINUOUS TOP AND BOTTOM FOR EACH 100 SQUARE INCHES OF BEAM CROSS SECTIONAL AREA AND #4 STIRRUPS SPACED AT 1/4 OF BEAM DEPTH FULL LENGTH OF BEAM.

C. COLUMNS: 1-#9 VERTICAL PER 50 SQUARE INCHES OF CROSS SECTIONAL AREA AND #3 TIES @ 9"O.C.

D. SLABS: #5 EACH WAY TOP AND BOTTOM. SPACING IN INCHES = 100/(SLAB THICKNESS IN INCHES) BUT NOT OVER 18"O.C.

ON SHOP DRAWINGS, INDICATE ABOVE REINFORCING AS "PER GENERAL NOTES". SUCH REINFORCING MAY BE REVISED OR RELOCATED BY STRUCTURAL ENGINEER DURING SHOP DRAWING REVIEW.

22. MASONRY DOWELS: PROVIDE, PLACE, AND SPACE TO MATCH MASONRY REINFORCING.

23. PROVIDE STANDARD HOOKS ON BARS TERMINATING AT A CONCRETE FACE UNLESS NOTED (E.G.: EDGES OF OPENINGS, SLAB EDGES, EXPANSION JOINTS, ENDS OF BEAMS, AND AT: TOP, BOTTOM AND ENDS OF WALLS, ETC.,).

24. PROVIDE (2)#5 (MINIMUM) @ EACH SIDE OF OPENING. EXTEND 2'-0" BEYOND OPENINGS.

STRUCTURAL STEEL:

1. STEEL SHALL CONFORM TO THE FOLLOWING GRADES:

ALL WIDE FLANGE (U.N.O.): A992 GRADE 50 (Fy=50)
ALL CHANNEL, ANGLE, BASE PLATES, CONNECTION PLATES (U.N.O.): A36 (Fy=36)
STRUCTURAL PIPE: A53 (Fy=35)
STRUCTURAL HSS RECTANGULAR TUBE: A500 GRADE B (Fy=60)
STRUCTURAL HSS ROUND TUBE: A500 GRADE B (Fy=42)

2. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE A.I.S.C. CODE OF STANDARD PRACTICE, EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS.

3. CONNECTIONS MAY BE BOLTED OR WELDED. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF CONNECTIONS NOT DESIGNED ON THE DRAWINGS. GENERALLY, CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. ANY CONNECTION THAT IS NOT SHOWN OR IS NOT COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF THE PROJECT, RETAINED BY THE FABRICATOR. COMPLETELY DETAILED MEANS THE FOLLOWING INFORMATION IS SHOWN ON THE DETAIL:

A. ALL PLATE DIMENSIONS AND GRADES.

B. ALL WELD SIZES, LENGTHS, PITCHES, AND RETURNS.

C. ALL HOLE SIZES AND SPACINGS.

D. NUMBER AND TYPES OF BOLTS: WHERE BOLTS ARE SHOWN BUT NO NUMBER IS GIVEN, THE CONNECTION HAS NOT BEEN COMPLETELY DETAILED.

E. WHERE PARTIAL INFORMATION IS GIVEN, IT SHALL BE THE MINIMUM REQUIREMENT FOR THE CONNECTION.

PRIOR TO FABRICATION, PROVIDE (FOR RECORD COPY) DESIGN CALCULATIONS FOR TYPICAL BEAM CONNECTIONS, ALL PRIMARY BRACING AND HANGER CONNECTIONS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER.

STRUCTURAL STEEL (CONT):

4. CONNECTION DESIGN FORCES:

A. UNLESS REACTIONS ARE SHOWN, FACTORED BEAM CONNECTIONS SHALL BE DESIGNED FOR THE GREATER OF:

55% OF MAXIMUM TOTAL UNIFORM LOAD FROM A.I.S.C. 13TH EDITION MAXIMUM TOTAL UNIFORM LOAD TABLES

15 KIPS

B. MOMENT CONNECTIONS INDICATED ON THE DRAWINGS THUS: ---<H>--- DESIGN FOR MOMENT SHOWN OR, IF NOT SHOWN, DEVELOP THE FULL PLASTIC MOMENT CAPACITY OF MEMBER.

C. MAINTAIN TENSION CAPACITY OF COLUMNS, DIAGONALS AND MEMBERS SUBJECT TO TENSION AT BOLT HOLES, NOTCHES, OR COPES.

D. CONNECTION FORCE NOTATION:

P = AXIAL FORCE IN KIPS: (+) TENSION, (-) COMPRESSION
V OR [] = SHEAR IN KIPS
M = MOMENT IN FOOT KIPS
T = TORSION IN FOOT KIPS

E. LOADS SHOWN INCLUDE COMPENSATION FOR CODE PERMITTED STRESS INCREASES AND LOAD REDUCTIONS FOR CONNECTION DESIGN.

5. THE MINIMUM PLATE THICKNESS SHALL BE 3/8".

6. BOLTED CONNECTIONS:

A. MINIMUM BOLT DIAMETER = 3/4"

B. SLIP CRITICAL CONNECTIONS OF A325SC OR A490SC BOLTS SHALL BE USED FOR ALL BOLTED CONNECTIONS OF BRACING MEMBERS, MOMENT CONNECTIONS, CANTILEVERS, AND AS SHOWN ON THE DRAWINGS. OVERSIZED AND LONG-SLOTTED HOLES ARE ALLOWED FOR SLIP CRITICAL CONNECTIONS.

C. ALL OTHER BOLTED CONNECTIONS SHALL BE BEARING TYPE USING A325N OR A490N BOLTS. OVERSIZED HOLES AND LONG-SLOTTED HOLES ARE NOT ALLOWED UNLESS SHOWN ON THE DRAWINGS.

D. A307 BOLTS MAY BE USED WHERE INDICATED ON THE DRAWINGS.

E. PROTRUDING BOLT HEADS, SHAFTS OR NUTS SHALL NOT EXTEND INTO NOR PROHIBIT THE APPLICATION OF ARCHITECTURAL FINISHES AND THEY SHALL NOT EXTEND INTO NOR PROHIBIT THE PLACEMENT OF STEEL DECKING TO THE CORRECT LINE AND ELEVATION.

F. THE FABRICATOR IS RESPONSIBLE FOR VERIFYING THE TENSION CAPACITY OF AXIALLY LOADED MEMBERS AFTER A SECTION IS REDUCED FOR BOLT HEADS. MEMBER SIZE MAY BE INCREASED OR CONNECTION PLATES ADDED AS REQUIRED.

G. SHOP DRAWINGS SHALL INDICATE THE TYPE OF BOLT USED IN EACH CONNECTION AND THE ALLOWABLE VALUES USED FOR THE VARIOUS BOLT TYPES.

7. WELDED CONNECTIONS:

A. WELDS ARE CONTINUOUS UNLESS NOTED.

B. ALL FILLET WELDS: A.I.S.C. MINIMUM BUT NOT LESS THAN 1/4" UNLESS NOTED OTHERWISE.

C. ALL WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT "STRUCTURAL WELDING CODE" (A.W.S. D1.1) PUBLISHED BY THE AMERICAN WELDING SOCIETY. ELECTRODES FOR WELDING SHALL COMPLY WITH THE REQUIREMENTS OF TABLE 4.1.1 OF (A.W.S. D1.1).

D. ALL GROOVE WELDS SHALL BE COMPLETE PENETRATION UNLESS NOTED OTHERWISE.

8. SPlicing OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.

9. NO CHANGE IN SIZE OR POSITION OF THE STRUCTURAL ELEMENTS SHALL BE MADE AND HOLES, SLOTS, CUTS, ETC., ARE NOT PERMITTED THROUGH ANY MEMBER UNLESS THEY ARE DETAILED ON THE APPROVED SHOP DRAWINGS.

10. NO FINAL BOLTING OR WELDING SHALL BE MADE UNTIL AS MUCH OF THE STRUCTURE AS WILL BE STIFFENED THEREBY HAS BEEN PROPERLY ALIGNED.

11. UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR 8" MINIMUM ON CONCRETE OR MASONRY. ANCHOR BEAMS TO MASONRY OR CONCRETE WITH 2-3/4" DIA. ANCHOR BOLTS OR WELDED TO EMBED PLATE.

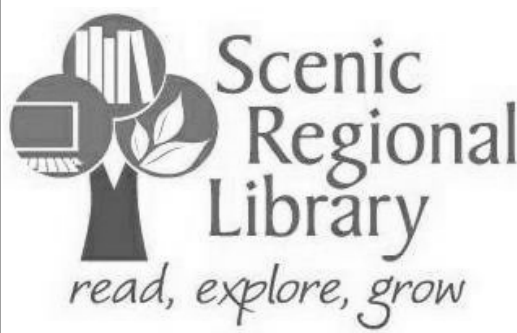
12. FABRICATE ALL BEAMS WITH THE MILL CAMBER UP.

13. SHEAR STUDS: CONFORM TO A.W.S. D1.1-98, SHOP WELD EXCEPT WHERE APPLIED THROUGH METAL DECK.

14. HEADED STUDS SHALL CONFORM TO A.S.T.M. A108, GRADE 1015, WELDABLE (Fy = 65 K.S.I.).

15. WHERE FIREPROOFING IS REQUIRED, ADJUST FIREPROOFING THICKNESS BASED ON MEMBER SIZES. SEE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS AND THICKNESS.

16. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF STEEL STAIRS. STAIRS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. STAIRS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT, RETAINED BY THE FABRICATOR.



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390



ARCHITECT-OF-RECORD

JEMA
3005 LOCUST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
E-MAIL: SCLARK@JEMASTL.COM

DESIGN ARCHITECT

SAPP DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH FREMONT
SPRINGFIELD, MO 65804
T (417) 877-9600
F (417) 877-9696
CONTACT: JAMES STUFFLEBEAM
E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL

COCHRAN
530A E. INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VAN LEER
T (636) 584-0540
F (636) 584-0512
E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL

ALPER AUDI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 432-8600
F (314) 807-2774
CONTACT: STEVE EHRETT
E-MAIL: STEVE.EHRETT@ALPERAUDI.COM</

ARCHITECT-OF-RECORD
JEMA
3005 LOCUST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
E-MAIL: SCLARK@JEMAST.COM

DESIGN ARCHITECT
SAPP DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH FREMONT
SPRINGFIELD, MO 65804
T (417) 877-9600
F (417) 877-9696
CONTACT: JAMES STUFFLEBEAM
E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COCHRAN
530A E. INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VAN LEER
T (636) 584-0540
F (636) 584-0512
E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
ALPER AUDI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 432-8600
F (314) 807-2774
CONTACT: STEVE EHRETT
E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
BRIC PARTNERSHIP, LLC
343 S. KIRKWOOD ROAD, SUITE 204
KIRKWOOD, MO 63122
T (314) 725-5889
CONTACT: BRUCE COLEMAN
E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

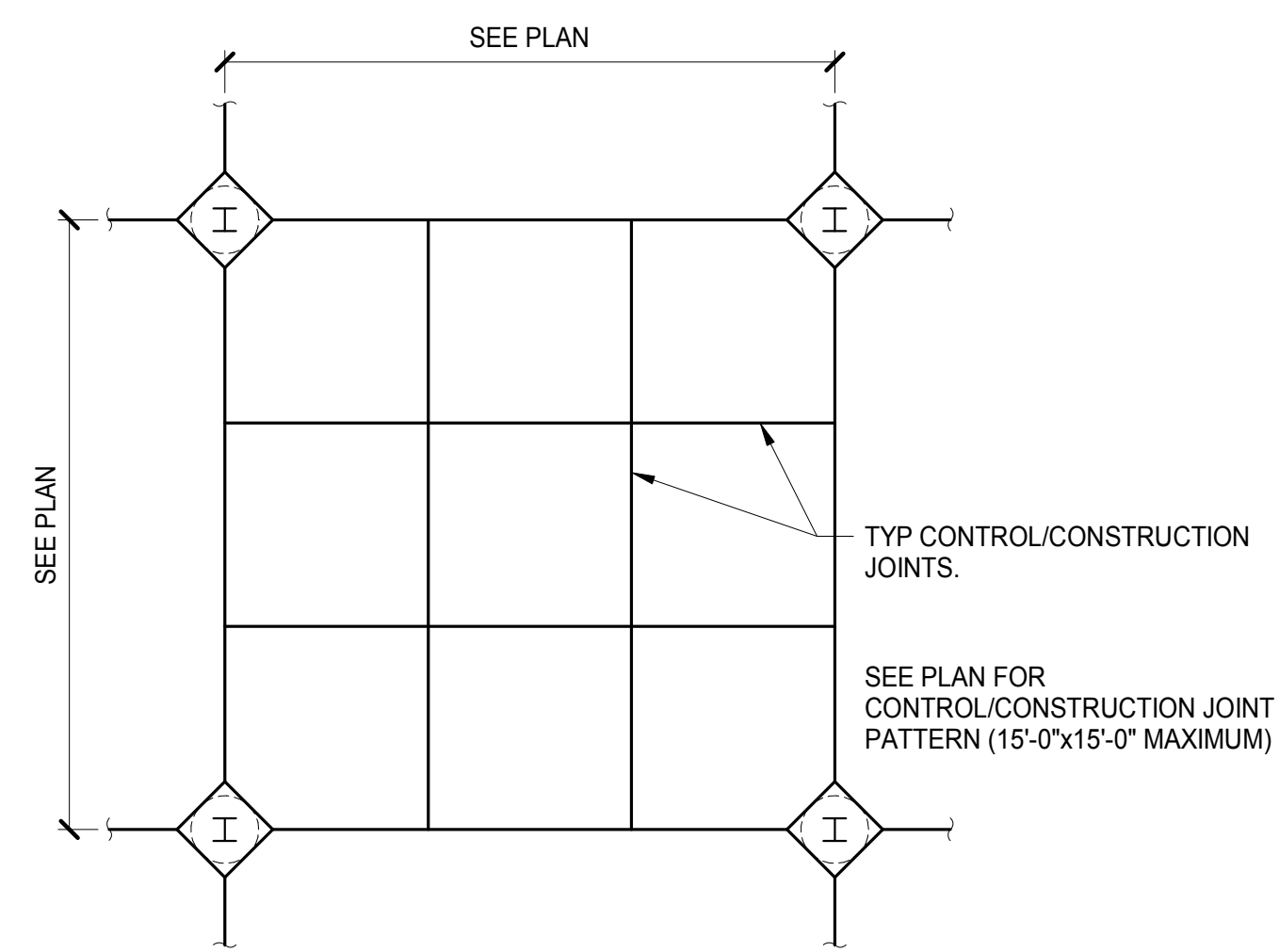
STEVEN J. EHRETT
MO STRUCTURAL LICENSE E-29025
MO CERTIFICATE OF AUTHORITY 000287

No.	Date	Description
	04/14/17	ISSUED FOR BID

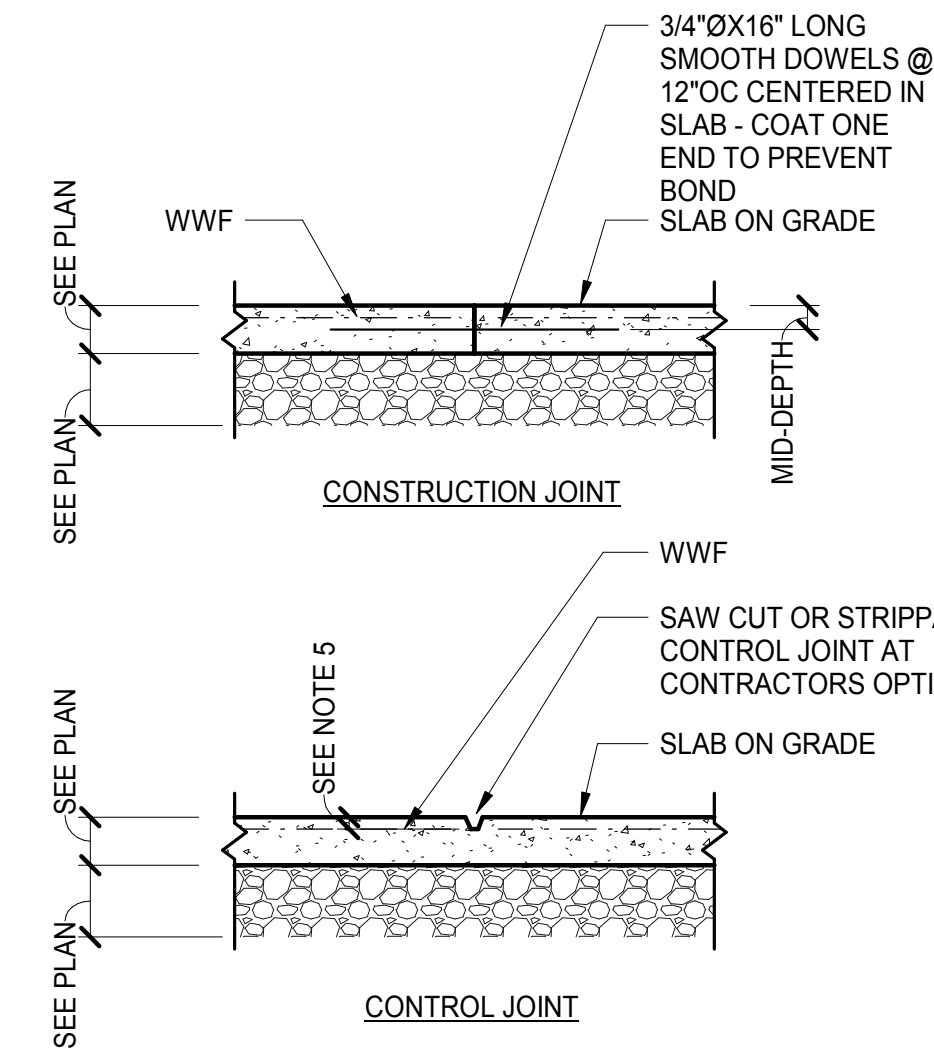
DRAWN BY: TRN
PROJECT NUMBER: 16020

SHEET TITLE:
TYPICAL DETAILS

S-102

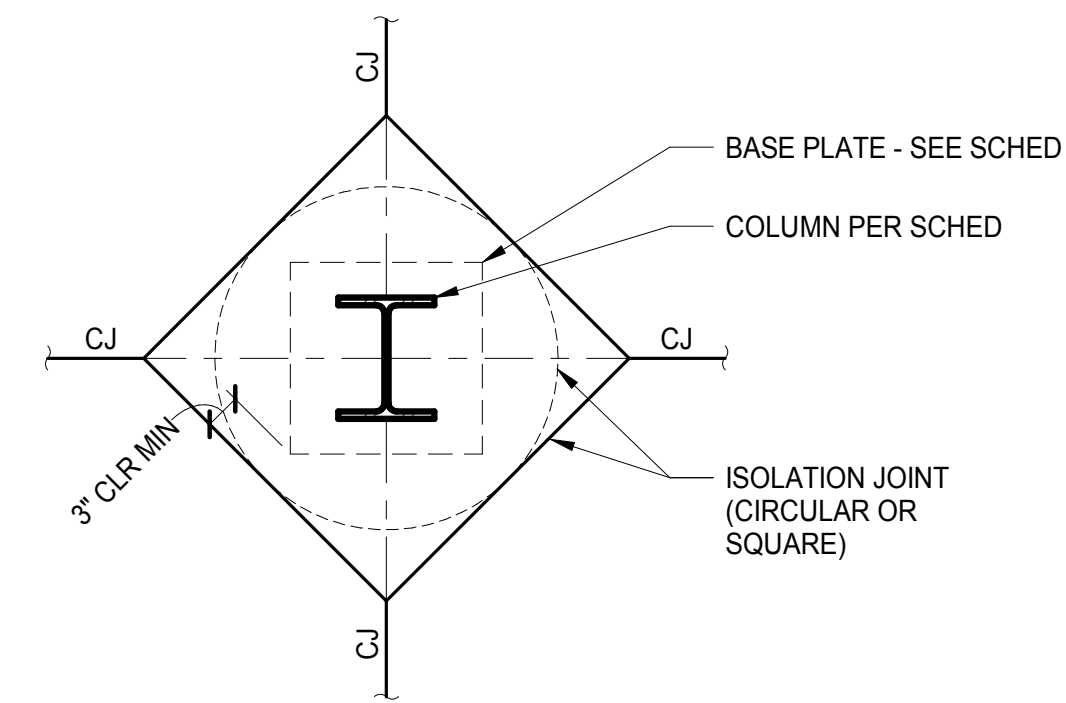


1 TYPICAL SLAB CONTROL AND CONSTRUCTION JOINT DETAIL
S-102 N.T.S.

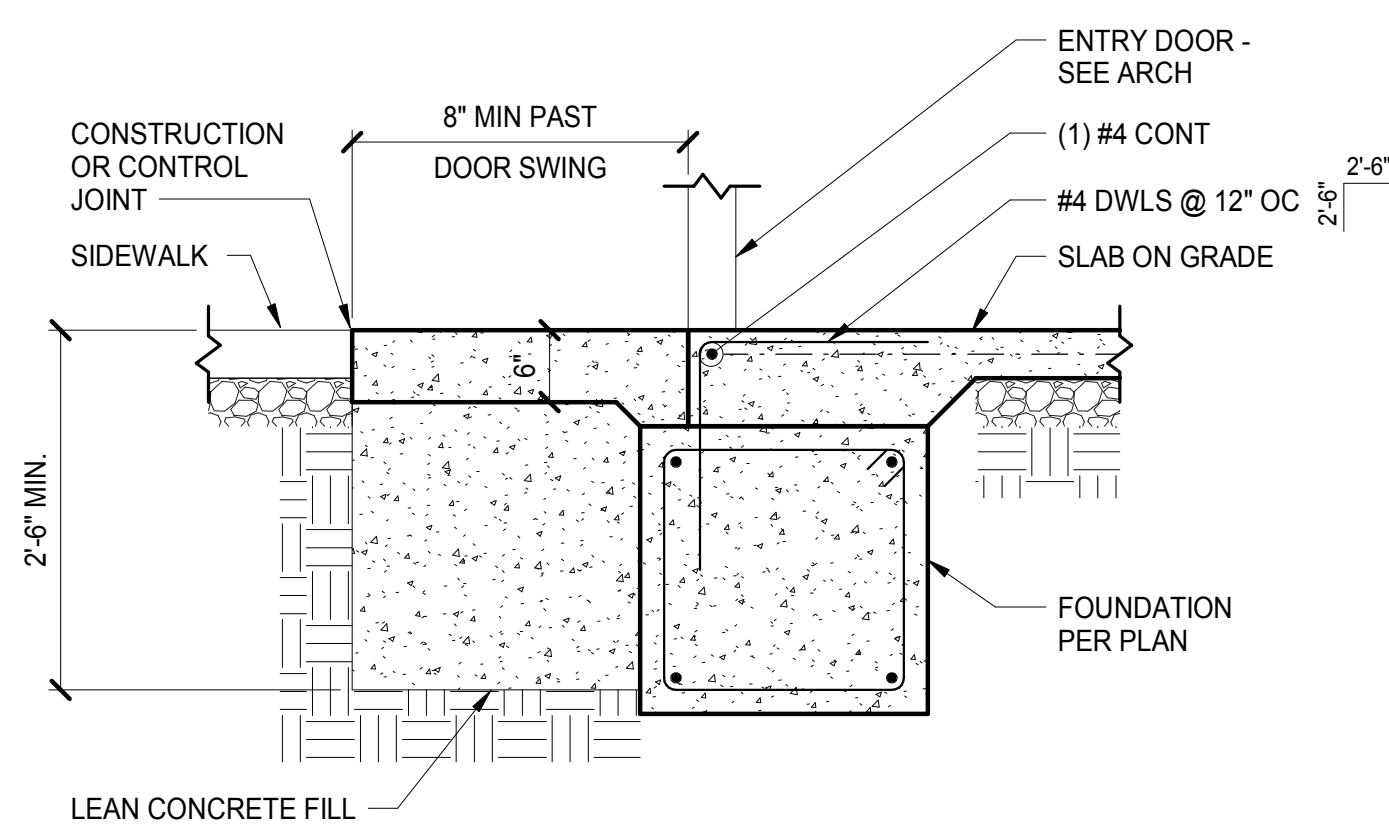


2 TYPICAL SLAB ON GRADE DETAIL
S-102 N.T.S.

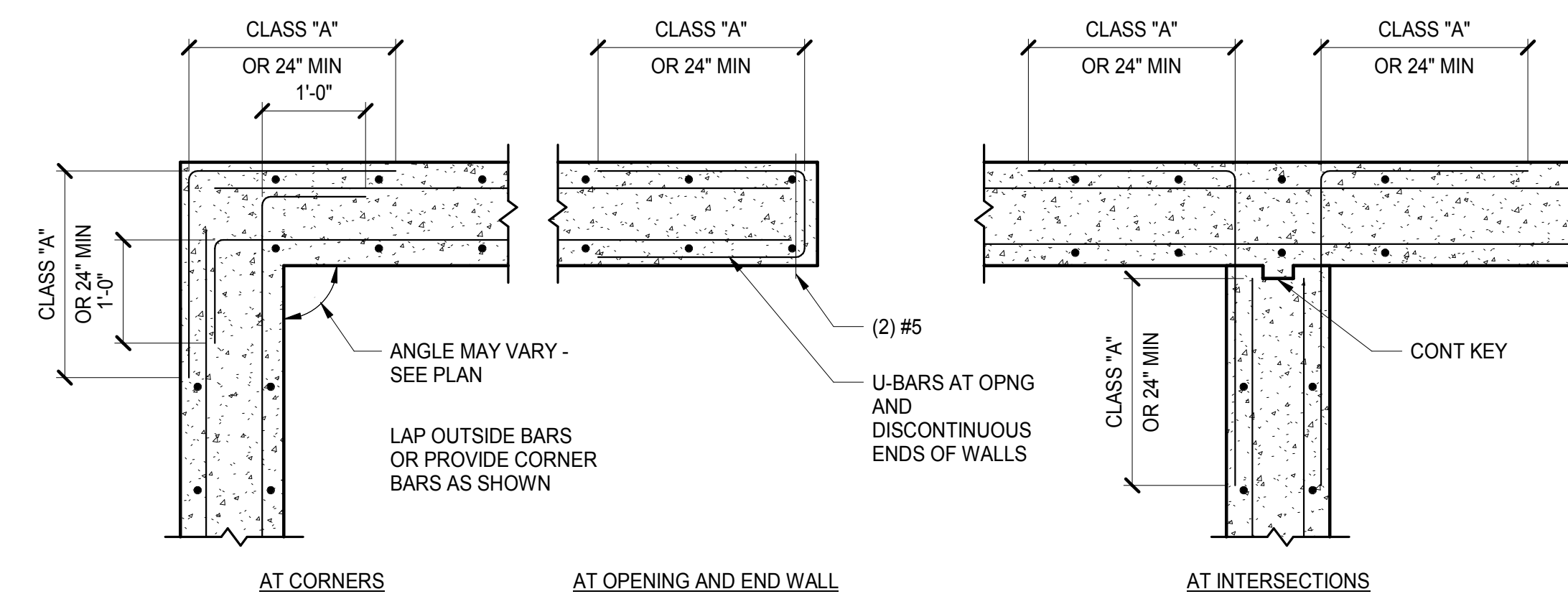
- NOTES:
- CONSTRUCTION AND/OR CONTROL JOINTS ARE INTERCHANGEABLE AT THE CONTRACTORS OPTION. SEE PLANS FOR JOINT LOCATIONS.
 - SAW CUTTING OF JOINTS SHALL BE DONE AS THE CONCRETE SETS SUFFICIENTLY TO PERMIT CUTTING WITHOUT CHIPPING, SPALLING OR TEARING, BUT NOT MORE THAN 24 HOURS AFTER PLACING.
 - REINFORCEMENT TO STOP 2" CLEAR OF CONSTRUCTION JOINTS OR STRIPPABLE CONTROL JOINTS. AT SAW CUT JOINTS, CUT REINFORCEMENT OR STOP 2" CLEAR OF JOINT.
 - JOINTS SHALL DIVIDE SLAB INTO AREAS AS SQUARE AS POSSIBLE (1.5 TO 1 MAXIMUM L x W RATIO) WITH A MAXIMUM JOINT SPACING OF 15'-0", UNLESS NOTED OTHERWISE.
 - 1 1/2" IF "D" IS LESS THAN OR EQUAL TO 9", D/3 IF "D" IS GREATER THAN 9", D/3 IF REINFORCED.
 - IF SLAB AREA IS UNDEFINED ON PLAN OR IF AN ALTERNATE JOINT PATTERN IS REQUESTED, THE CONTRACTOR SHALL SUBMIT A LOCATION PLAN FOR APPROVAL.



3 TYPICAL COLUMN ISOLATION JOINT DETAIL
S-102 N.T.S.



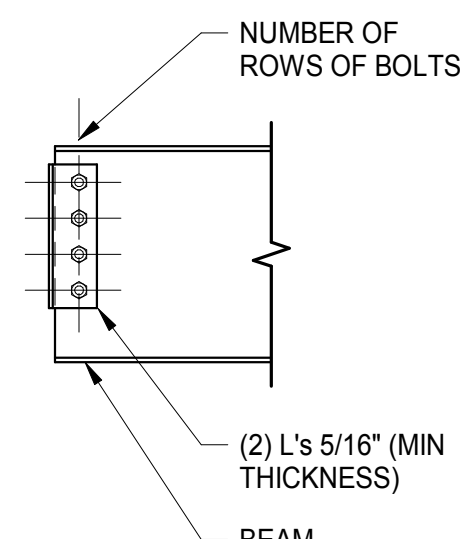
4 TYPICAL ENTRY FOR SLAB FROST HEAVE PREVENTION DETAIL
S-102 N.T.S.



5 TYPICAL REINFORCEMENT AT INTERSECTIONS AND CORNERS OF CONTINUOUS FOOTINGS, GRADE BEAMS, AND WALLS DETAIL
S-102 N.T.S.

BEAM SIZE	MINIMUM NUMBER OF ROWS OF 3/4"Ø A-325N BOLTS (UNO)
W8 AND W10	2
W12 AND W14	3
W16	4
W18	5
W21	6
W24	7
W30	8
W33	9

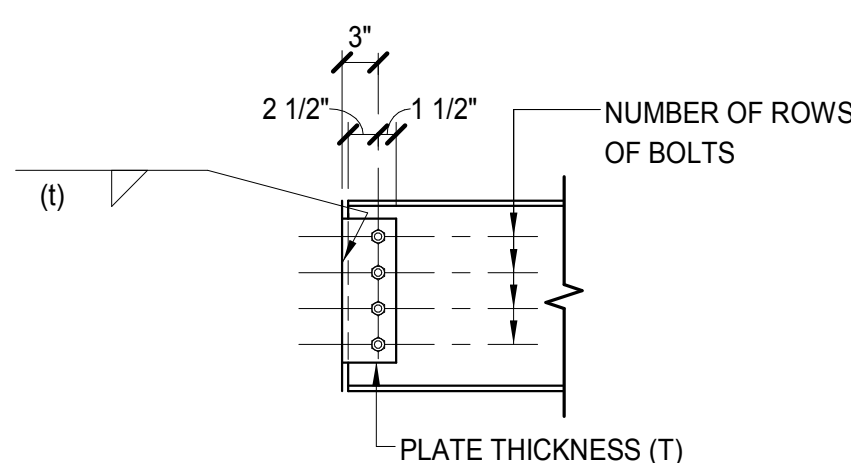
NOTES:
1. TABLE INDICATES MINIMUM VALUES. CONNECTION ENGINEER TO PROVIDE CALCULATIONS FOR ALL SHEAR CONNECTIONS.



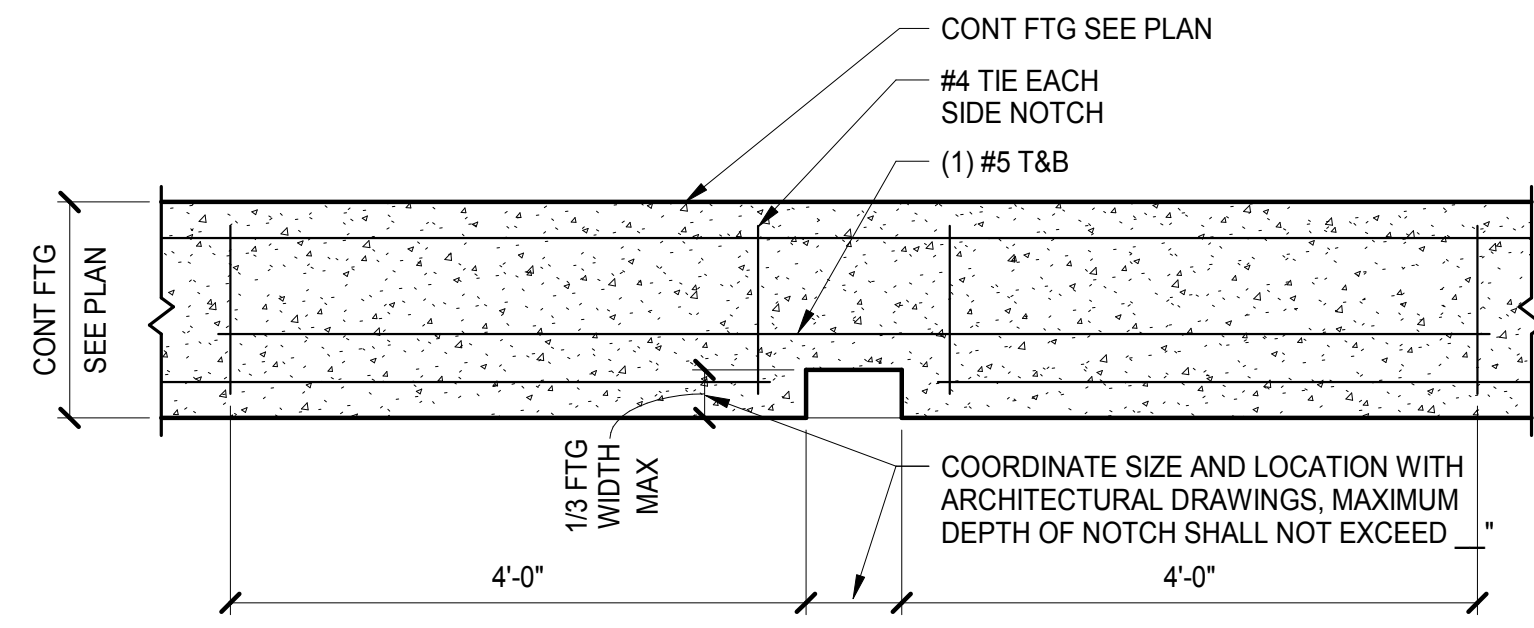
6 TYPICAL BOLTS PER CONNECTION DETAIL
S-102 3/4" = 1'-0"

BEAM SIZE	MINIMUM NUMBER OF ROWS OF 3/4"Ø A-325N BOLTS (UNO)	WELD SIZE (IN) MINIMUM	PLATE THICKNESS (T) (IN) MINIMUM
W8 AND W10	2	1/4	5/16
W12 AND W14	3	1/4	5/16
W16	4	1/4	5/16
W18	5	5/16	3/8
W21	6	5/16	3/8
W24 AND W27	7	3/8	7/16
W30	8	3/8	7/16
W33 AND W36	9	3/8	7/16

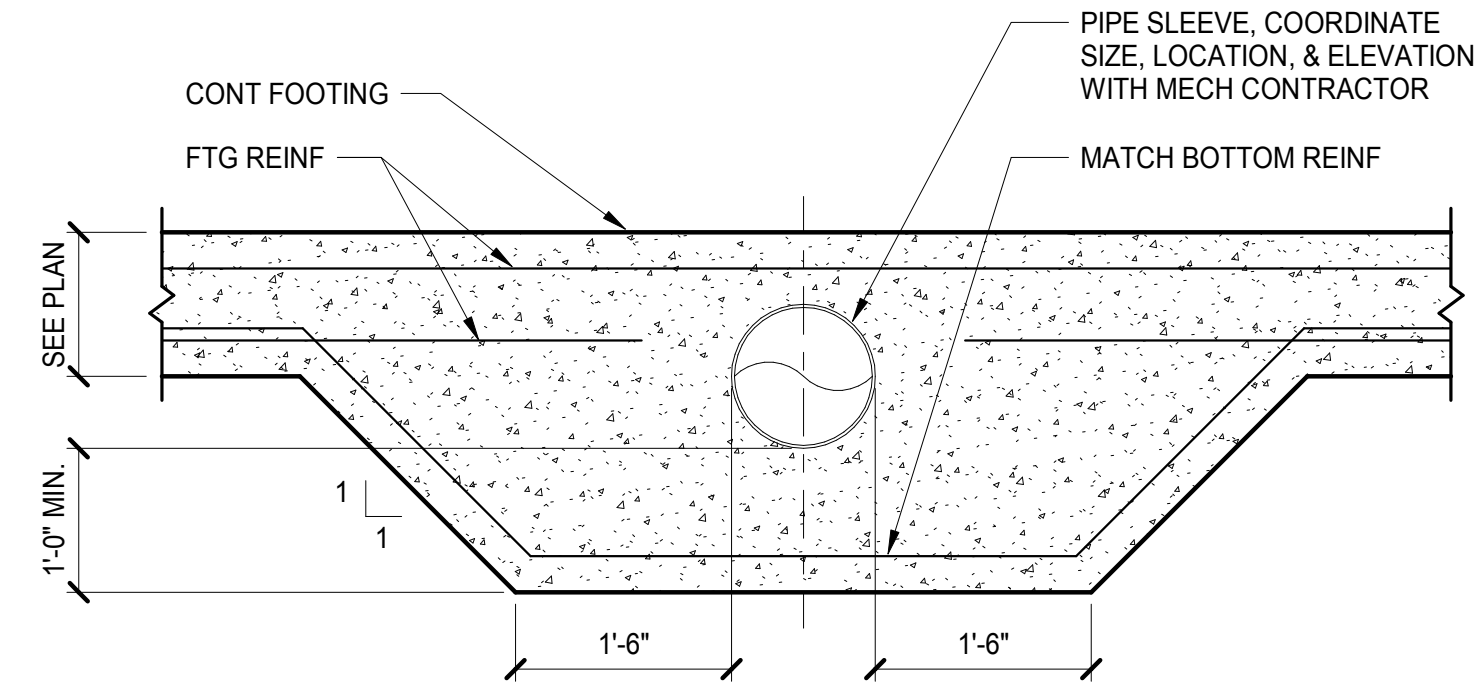
NOTES:
1. TABLE INDICATES MINIMUM VALUES. CONNECTION ENGINEER TO PROVIDE CALCULATIONS FOR ALL SHEAR CONNECTIONS.



7 TYPICAL SINGLE SHEAR TAB CONNECTION DETAIL
S-102 3/4" = 1'-0"

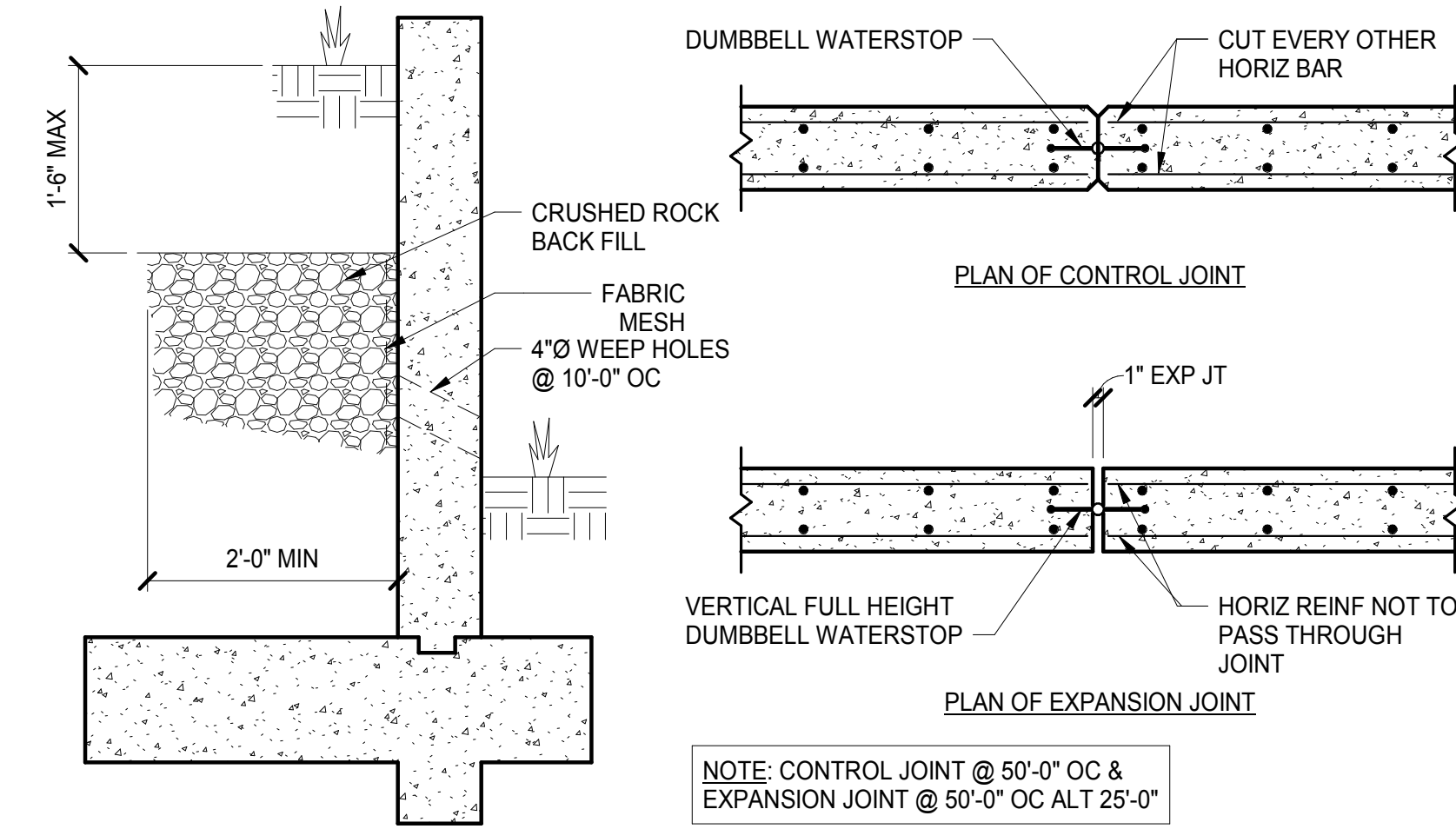


1
S-103 N.T.S.
TYPICAL DOWN SPOUT NOTCH AT CONTINUOUS FOOTING DETAIL

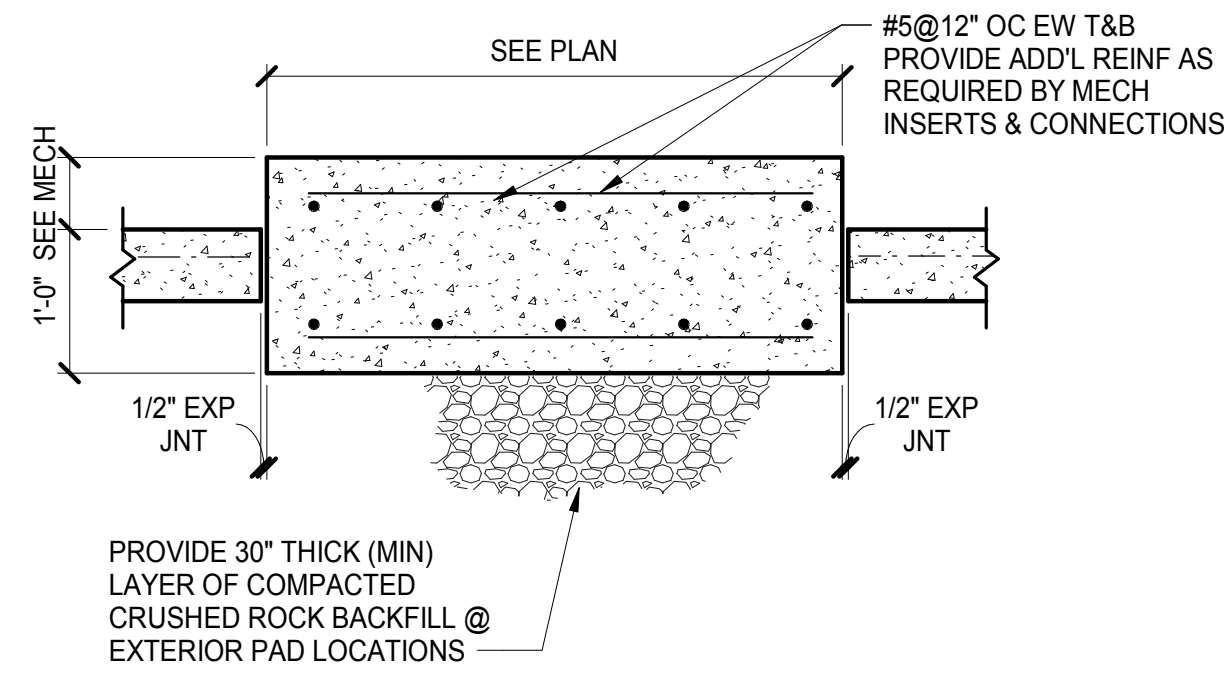


(PENETRATIONS REQUIRED IN GRADE BEAMS SHALL BE LIMITED TO THE MIDDLE THIRD OF THE GRADE BEAM DEPTH AND THE MIDDLE THIRD OF THE SPAN. MULTIPLE PENETRATIONS SHALL BE SPACED A MINIMUM OF 6" BETWEEN EDGES OF SLEEVES WITH A CONC REINFORCING TIE SPACED BETWEEN. PROPOSED PENETRATION LOCATIONS SHALL BE SUBMITTED FOR REVIEW)

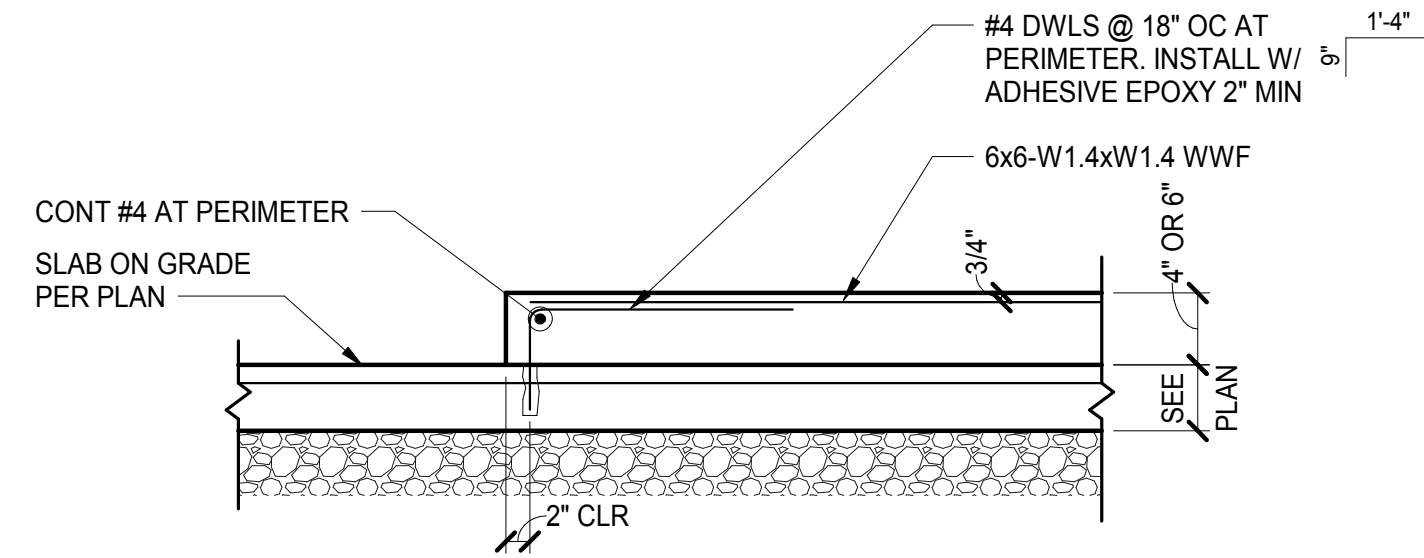
2
S-103 N.T.S.
TYPICAL PIPE SLEEVE THRU CONTINUOUS FOOTING DETAIL



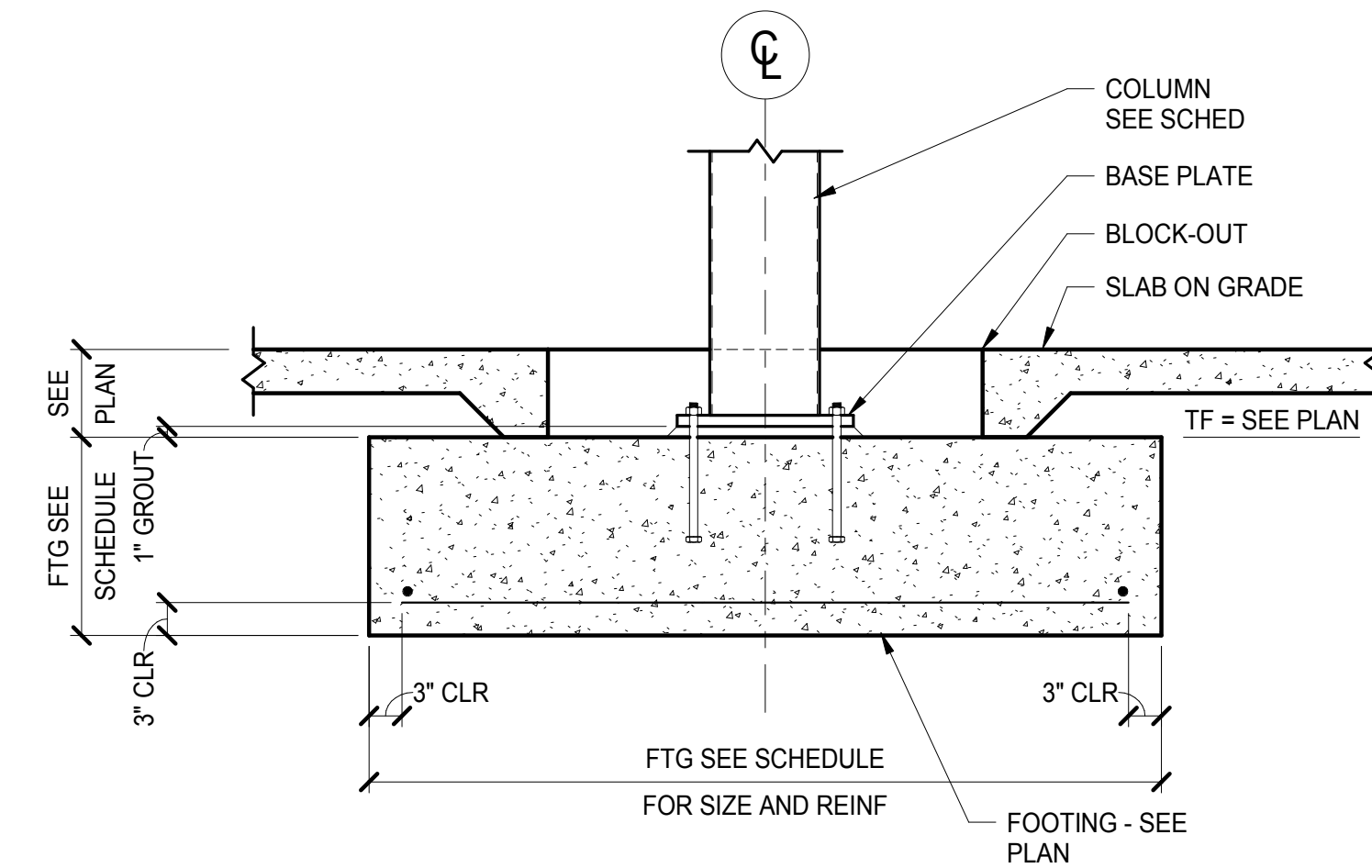
3
S-103 N.T.S.
TYPICAL RETAINING WALL DETAILS



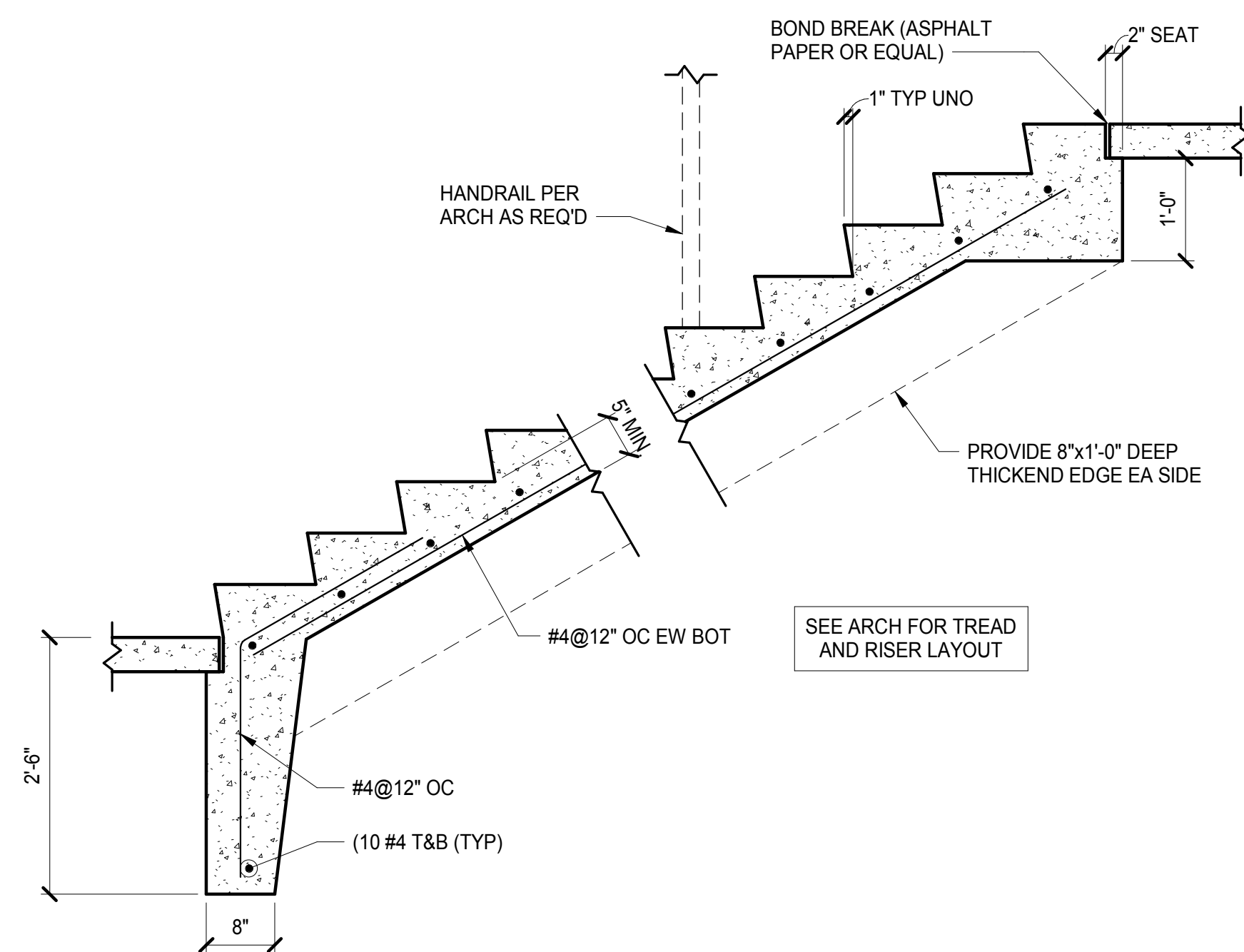
4
S-103 N.T.S.
TYPICAL MECHANICAL PAD ON GRADE DETAIL



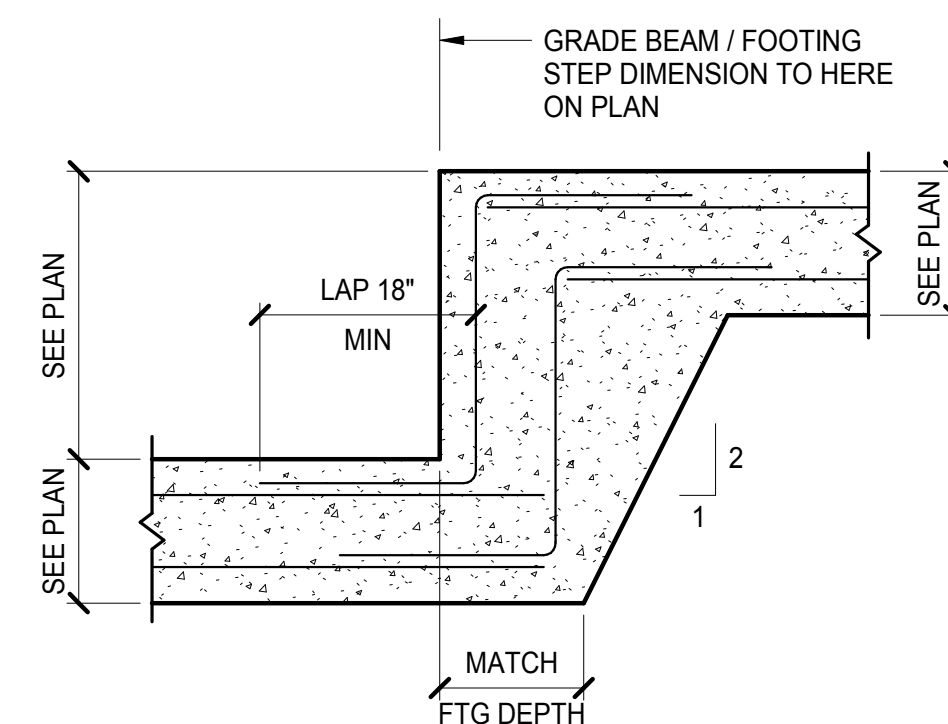
5
S-103 N.T.S.
TYPICAL HOUSEKEEPING PAD ON CONCRETE SLAB ON GRADE



6
S-103 N.T.S.
TYPICAL INTERIOR COLUMN AT SPREAD FOOTING DETAIL

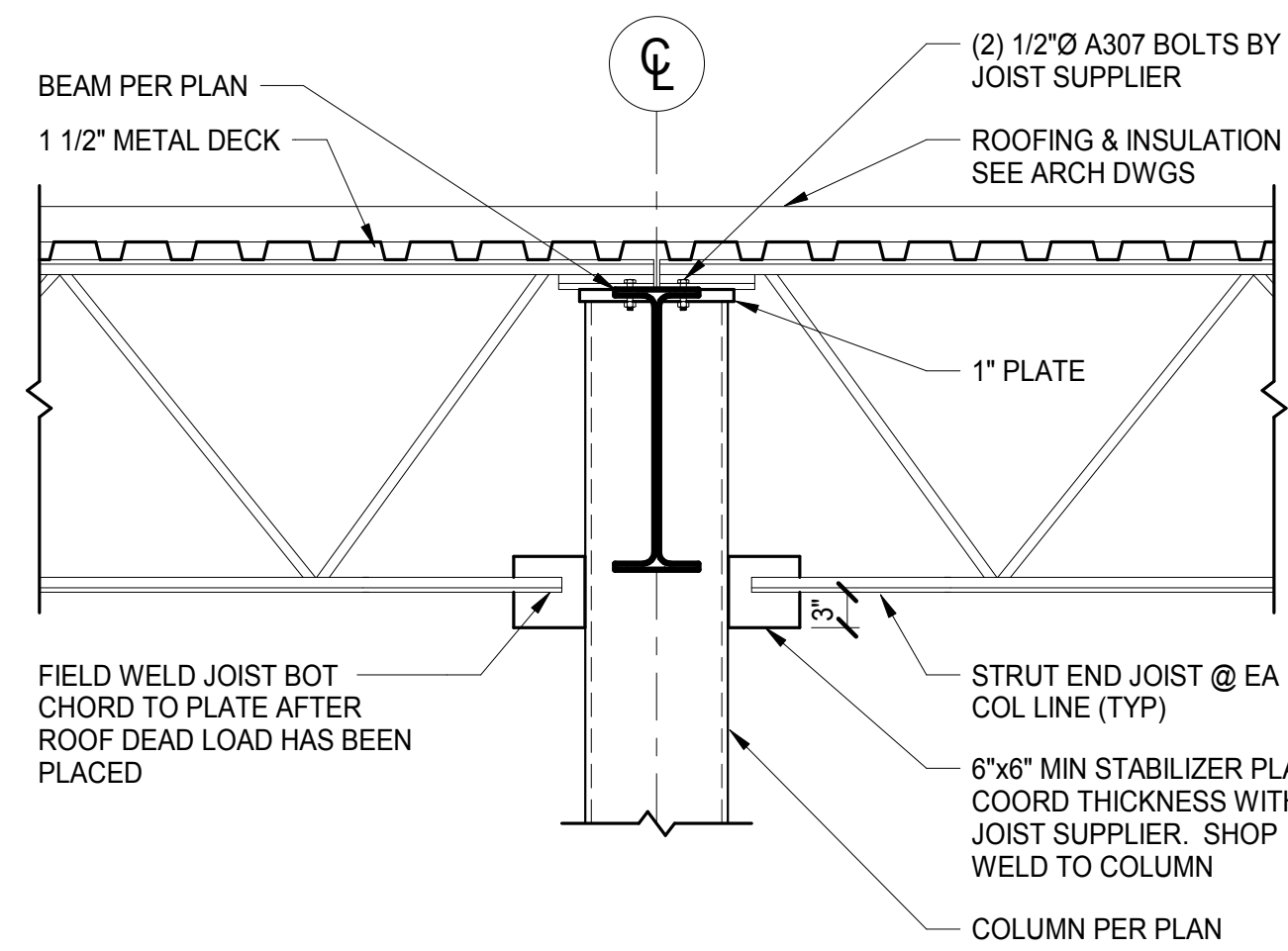


7
S-103 N.T.S.
TYPICAL INTERIOR OR EXTERIOR CONCRETE STAIR ON GRADE

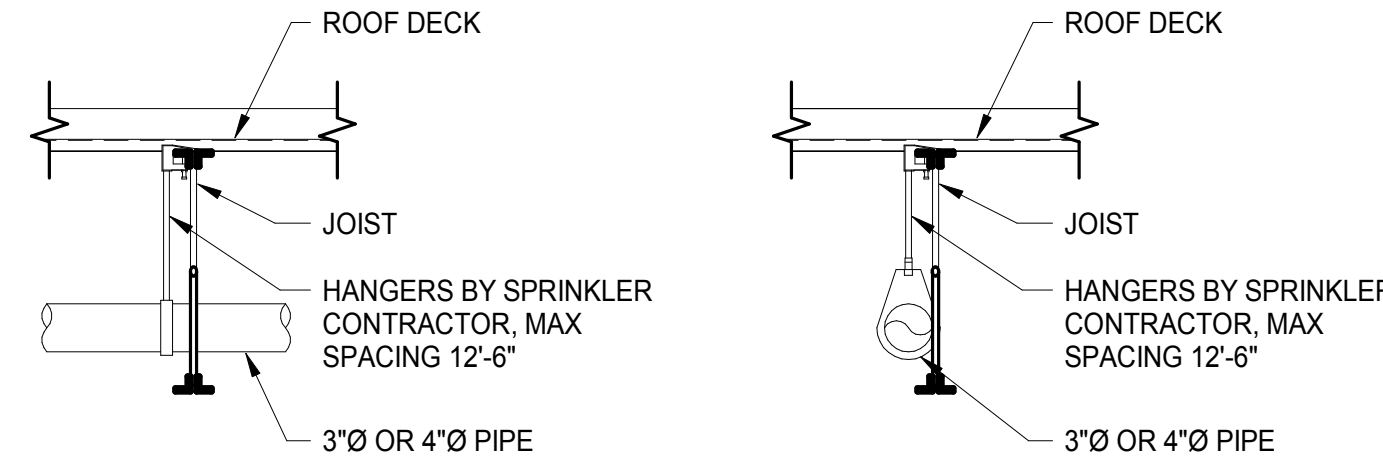


8
S-103 N.T.S.
TYPICAL STEP GRADE BEAM OR FOOTING DETAIL

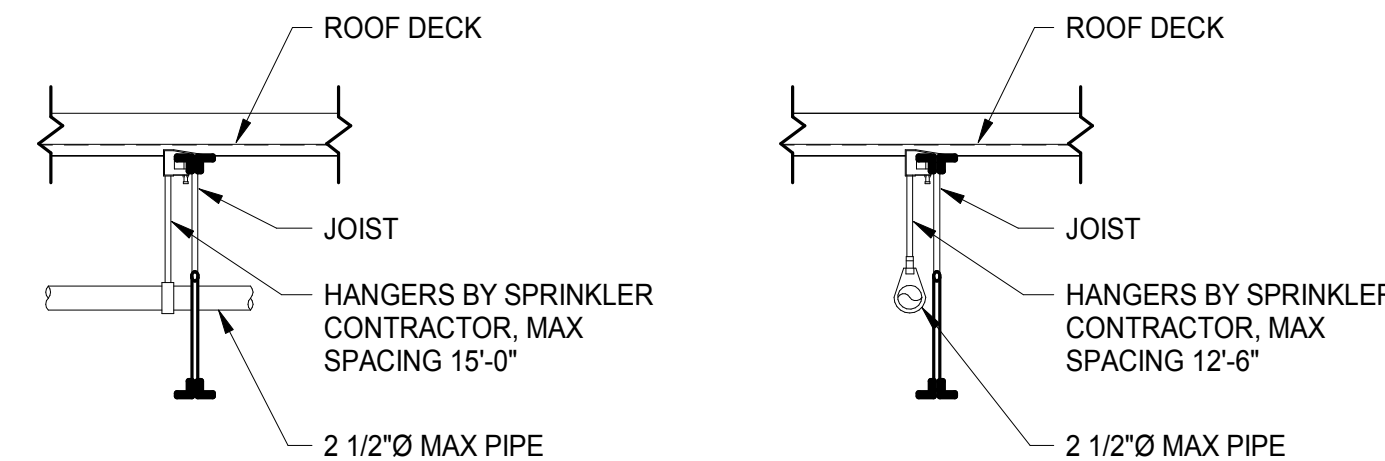
No.	Date	Description
	04/14/17	ISSUED FOR BID



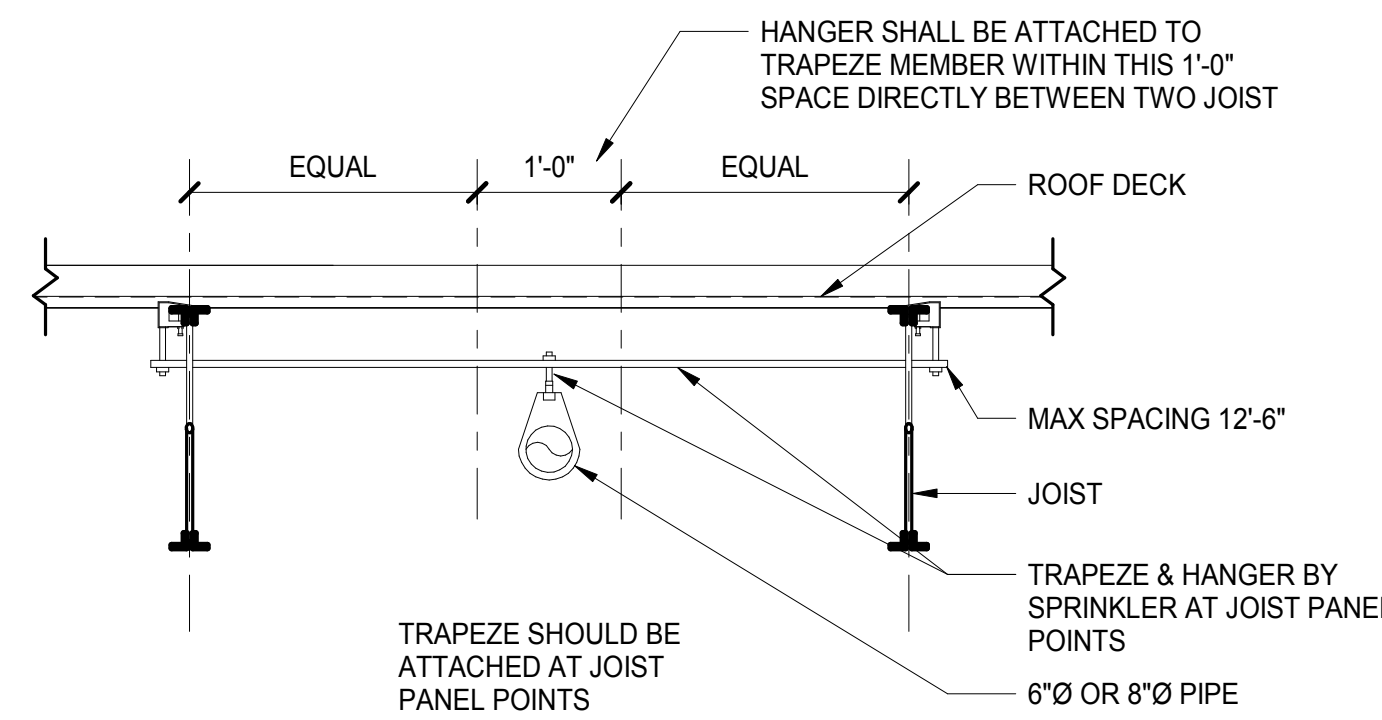
1 TYPICAL STRUT END JOIST DETAIL AT HSS COLUMN DETAIL
S-104 N.T.S.



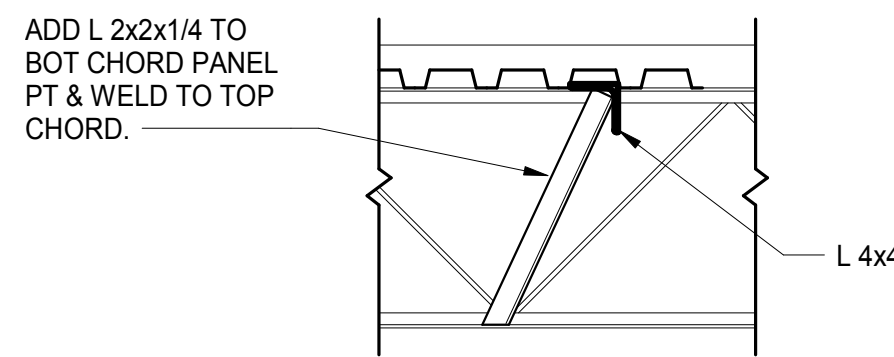
2 TYPICAL 3" DIA OR 4" DIA SPRINKLER PIPES HANGER DETAIL
S-104 N.T.S.



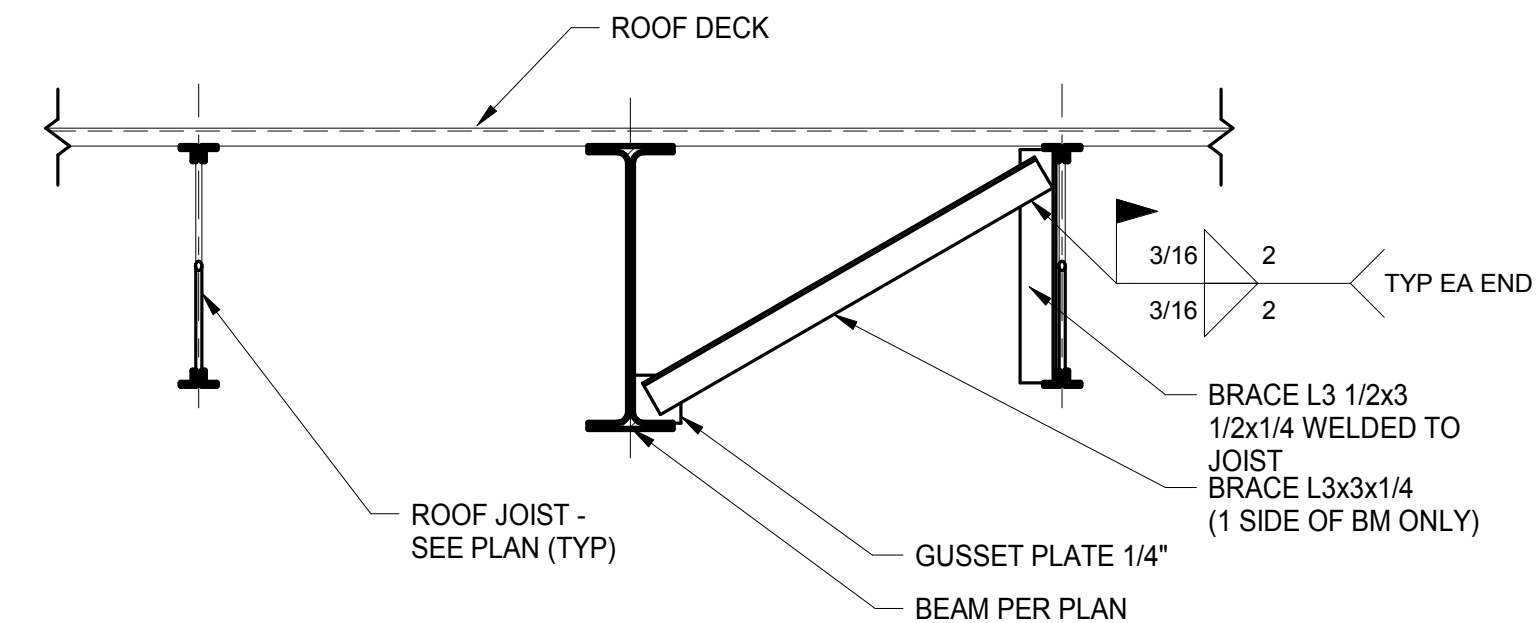
3 TYPICAL 2 1/2" DIA MAX SPRINKLER PIPES HANGER DETAIL
S-104 N.T.S.



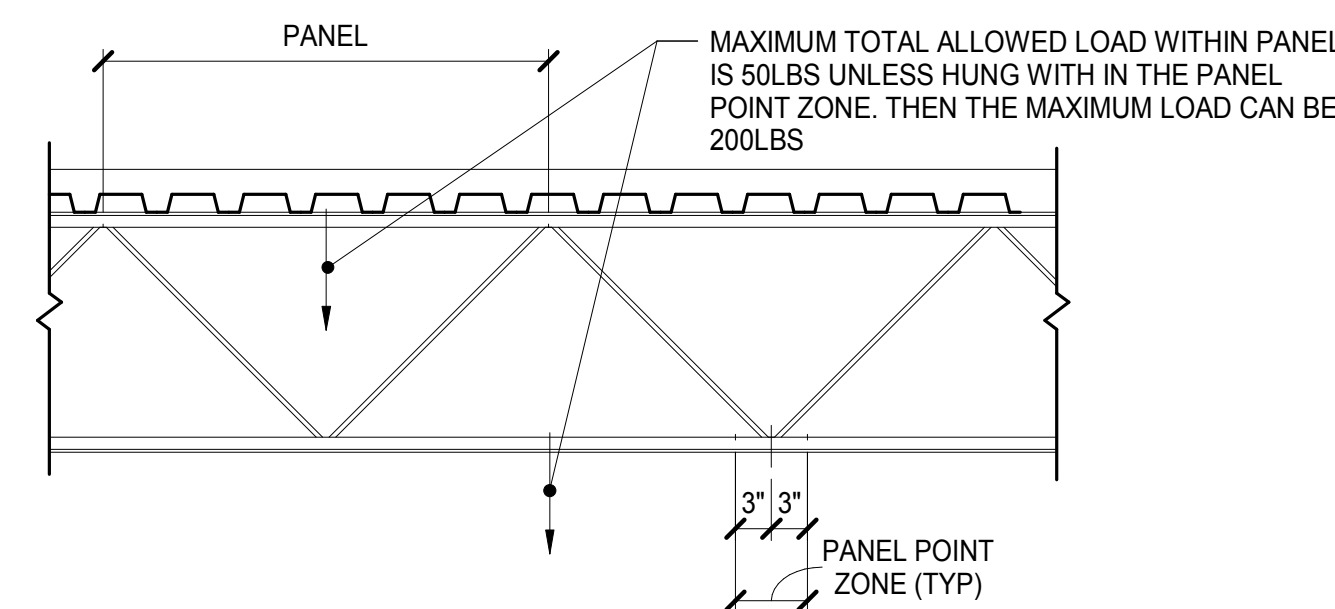
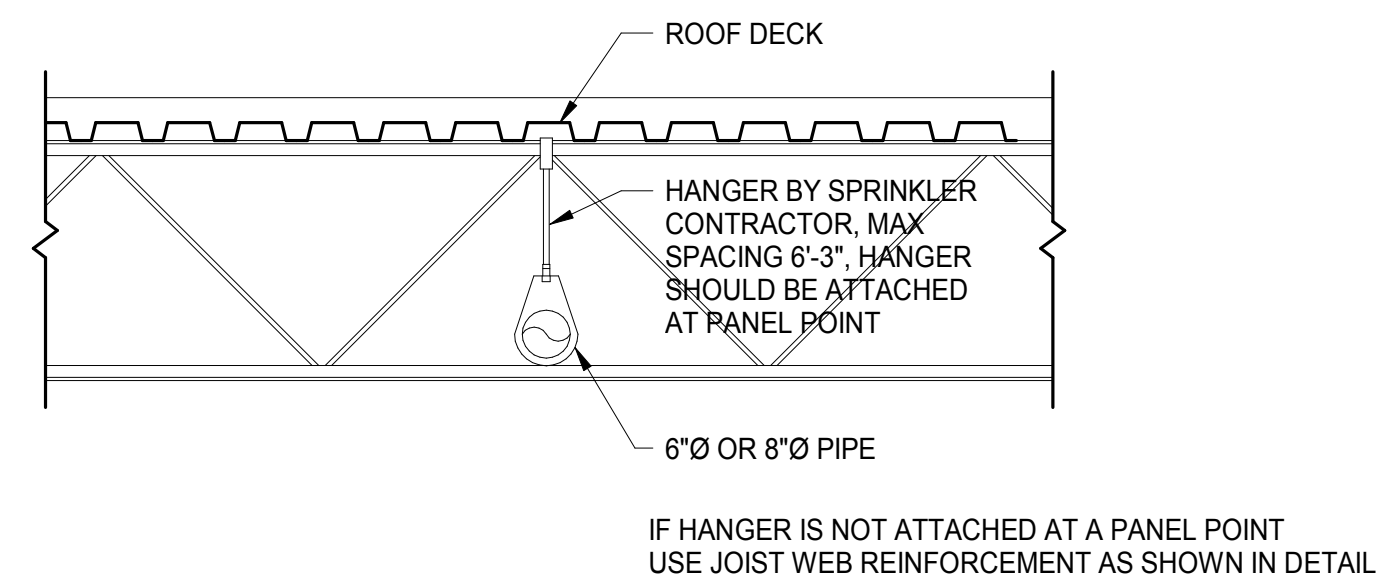
4 TYPICAL 6" DIA or 8" DIA SPRINKLER PIPES HANGER DETAIL
S-104 N.T.S.



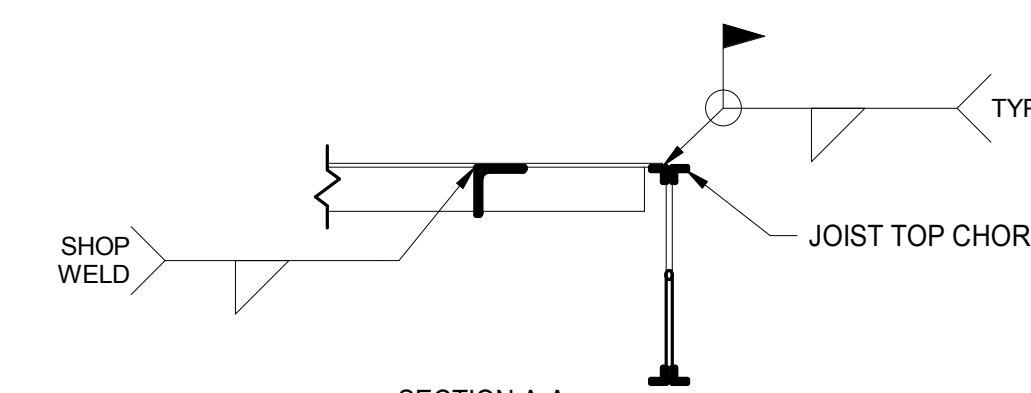
5 TYPICAL JOIST WEB REINFORCEMENT DETAIL
S-104 N.T.S.



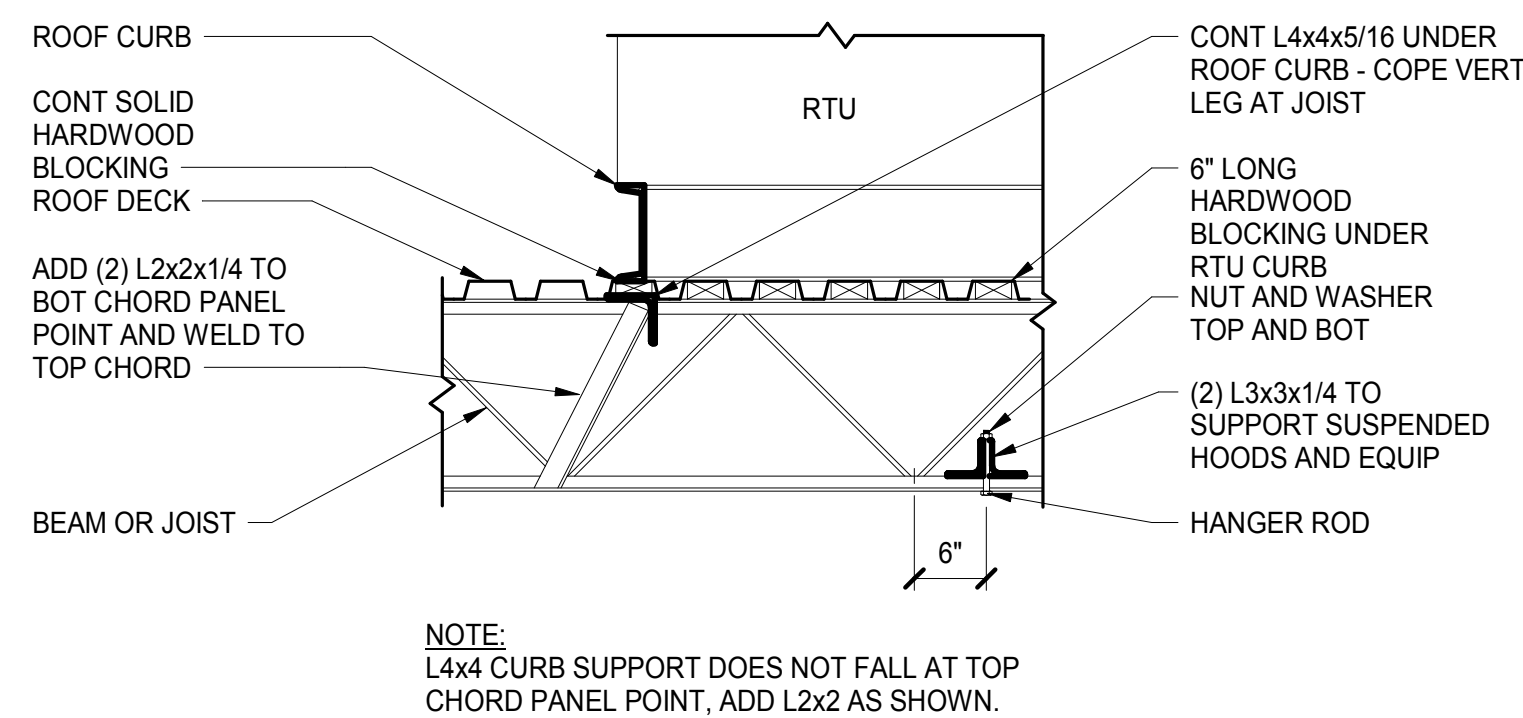
7 TYPICAL BEAM BOTTOM FLANGE BRACING AT ROOF BEAMS
S-104 3/4" = 1'-0"



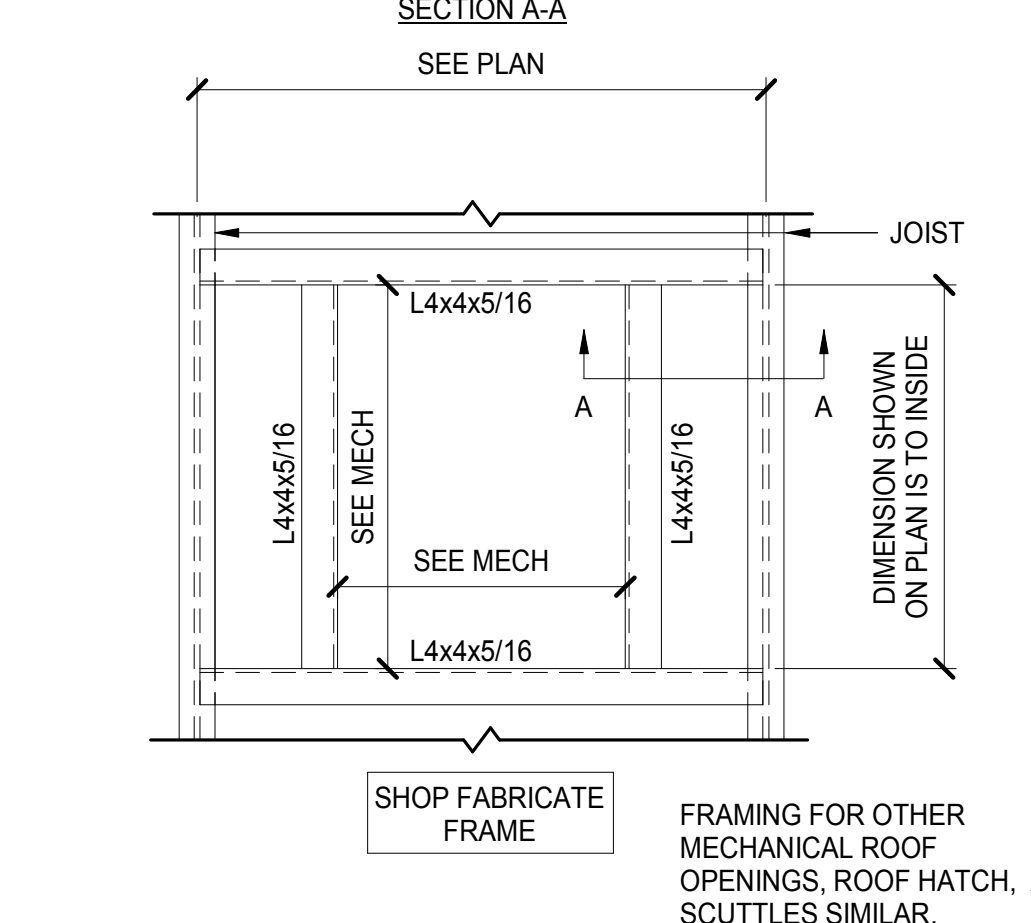
6 TYPICAL MISCELLANEOUS HANGERS DETAIL
S-104 N.T.S.



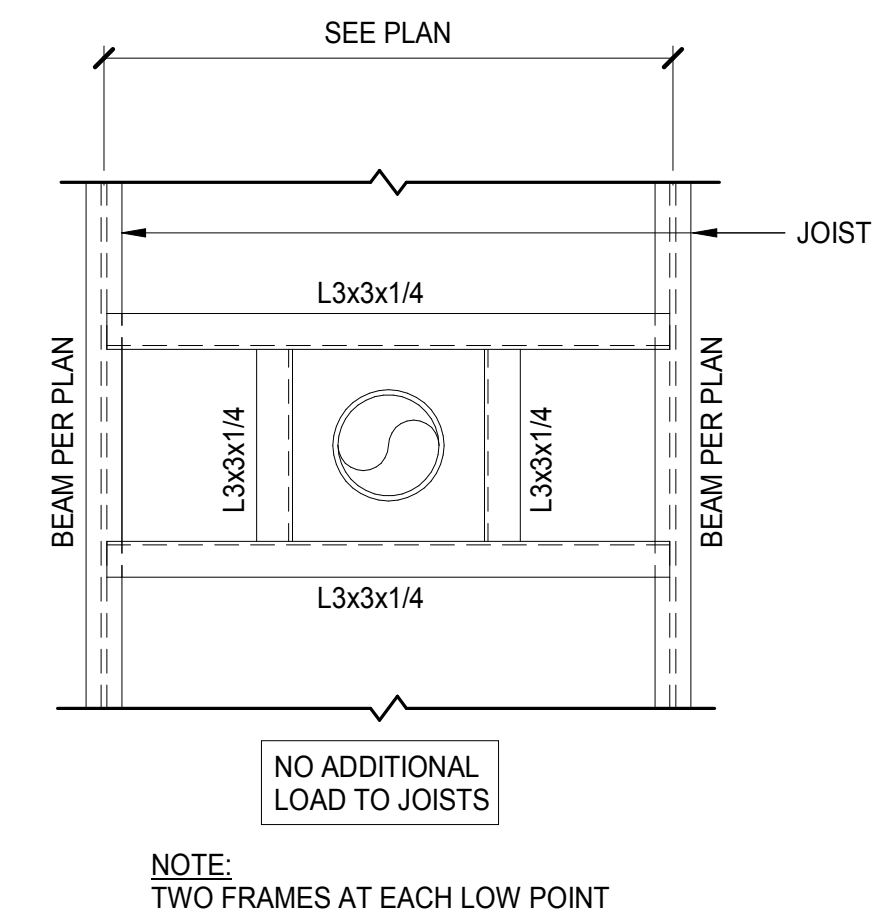
8 TYPICAL BEAM BOTTOM FLANGE BRACING AT ROOF GIRDERS
S-104 3/4" = 1'-0"



9 TYPICAL ROOF TOP UNITS DETAIL
S-104 3/4" = 1'-0"



10 TYPICAL RTU ROOF FRAMING DETAIL
S-104 3/4" = 1'-0"



11 TYPICAL FRAME FOR ROOF DRAIN AND OVERFLOW DETAIL
S-104 3/4" = 1'-0" (OTHER OPENINGS SIMILAR)

ARCHITECT-OF-RECORD
JEMA
3005 LOCUST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
E-MAIL: SCLARK@JEMASTL.COM

DESIGN ARCHITECT
SAPP DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH FREMONT
SPRINGFIELD, MO 65804
T (417) 877-9600
F (417) 877-9696
CONTACT: JAMES STUFFLEBEAM
E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COCHRAN
530A E. INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VAN LEER
T (636) 584-0540
F (636) 584-0512
E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
ALPER AUDI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 432-8600
F (314) 807-2774
CONTACT: STEVE EHRETT
E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
BRIC PARTNERSHIP, LLC
343 S. KIRKWOOD ROAD, SUITE 204
KIRKWOOD, MO 63122
T (314) 725-5889
CONTACT: BRUCE COLEMAN
E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

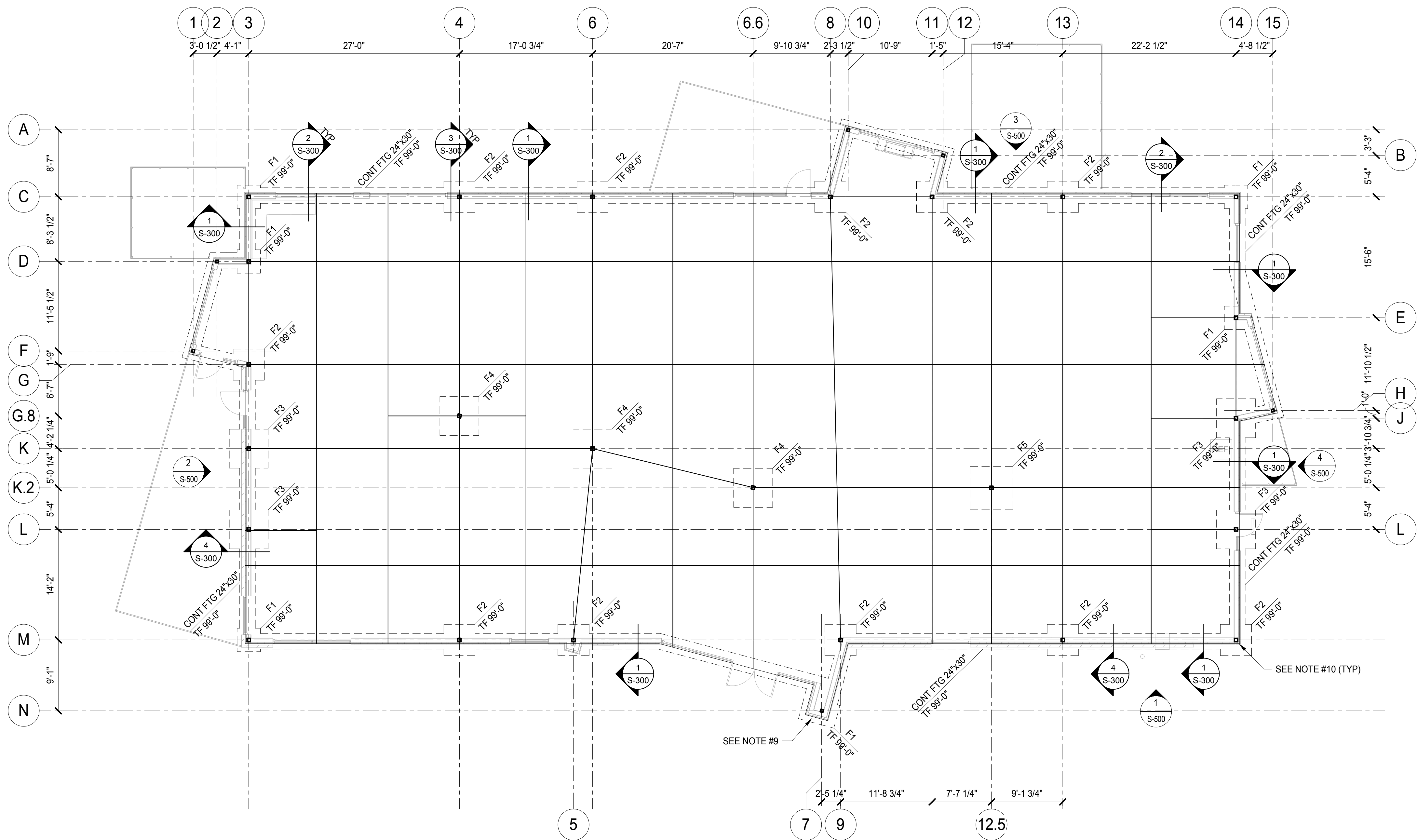
STEVEN J. EHRETT
MO STRUCTURAL LICENSE E-29025
MO CERTIFICATE OF AUTHORITY 000287

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: TRN

PROJECT NUMBER: 16020

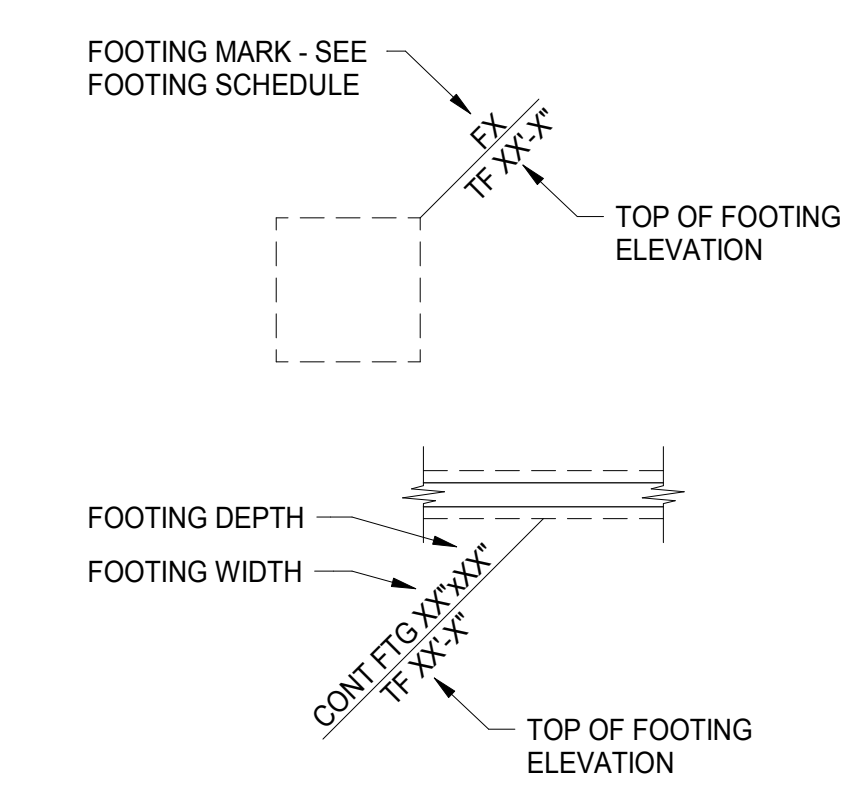
SHEET TITLE:
TYPICAL DETAILS



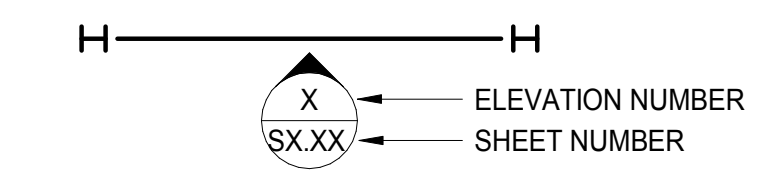
1 FIRST FLOOR FOUNDATION PLAN
S-201 1/8" = 1'-0"

FOUNDATION NOTES:

- SEE SHEET SERIES S-100 FOR GENERAL NOTES AND TYPICAL DETAILS.
- SEE SHEET SERIES S-500 FOR VERTICAL BRACING ELEVATIONS AND DETAILS.
- SEE SHEET SERIES S-600 FOR COLUMN SCHEDULE AND BASE PLATE DETAILS.
- FINISH FLOOR ELEVATION = 100'-0" (U.S.G.S. DATUM = 750.5').
- SLAB CONSTRUCTION: 4 NORMAL WEIGHT CONCRETE SLAB ON GRADE ON 6 MIL VAPOR RETARDER ON 6" MINIMUM COMPACTED GRANULAR FILL. REINFORCE SLAB WITH ONE LAYER 6x6-W2.1xW2.1 WWF CENTERED IN SLAB.
- "TF" NOTED ON PLAN INDICATES TOP OF FOOTING ELEVATION.
- "TC" NOTED ON PLAN INDICATES TOP OF CONCRETE ELEVATION.
- "TW" NOTED ON PLAN INDICATES TOP OF WALL ELEVATION.
- EXTEND FOOTING AND SLAB FOR WALL FRAMING. REINF EXTENSION W/ #5@12" OC T&B.
- PROVIDE #4 x 4'-0"x4'-0" CORNER BARS LAPPED W/ CONTINUOUS #4 SLAB BAR @ OUTSIDE CORNER OF COLUMN. PROVIDE ASPHALTIC COATING TO EXPOSED BASE PLATE BELOW GRADE.

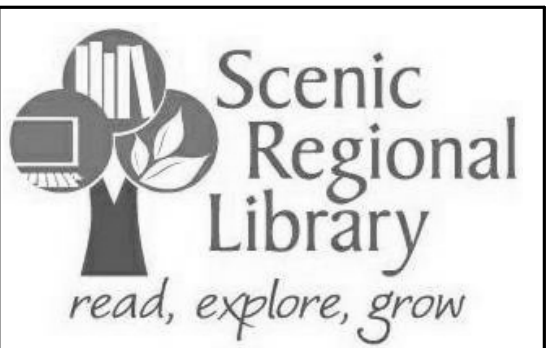


TYPICAL FOOTING DESIGNATION



TYPICAL BRACING DESIGNATION

FOOTING SCHEDULE			
MARK	SIZE	REINFORCING EACH WAY TOP & BOTTOM UNO	REMARKS
F1	3'-0"x3'-0"x2'-6"	(4) #5 EW	
F2	4'-0"x4'-0"x2'-6"	(5) #5 EW	
F3	5'-0"x5'-0"x2'-6"	(6) #5 EW	
F4	5'-0"x5'-0"x1'-3"	(6) #5 EW	
F5	5'-6"x5'-6"x1'-3"	(6) #5 EW	



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT-OF-RECORD
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMAST.COM

DESIGN ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E-MAIL: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-5889
 CONTACT: BRUCE COLEMAN
 E-MAIL: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

STEVEN J. EHRETT
 MO STRUCTURAL LICENSE E-29025
 MO CERTIFICATE OF AUTHORITY 000287

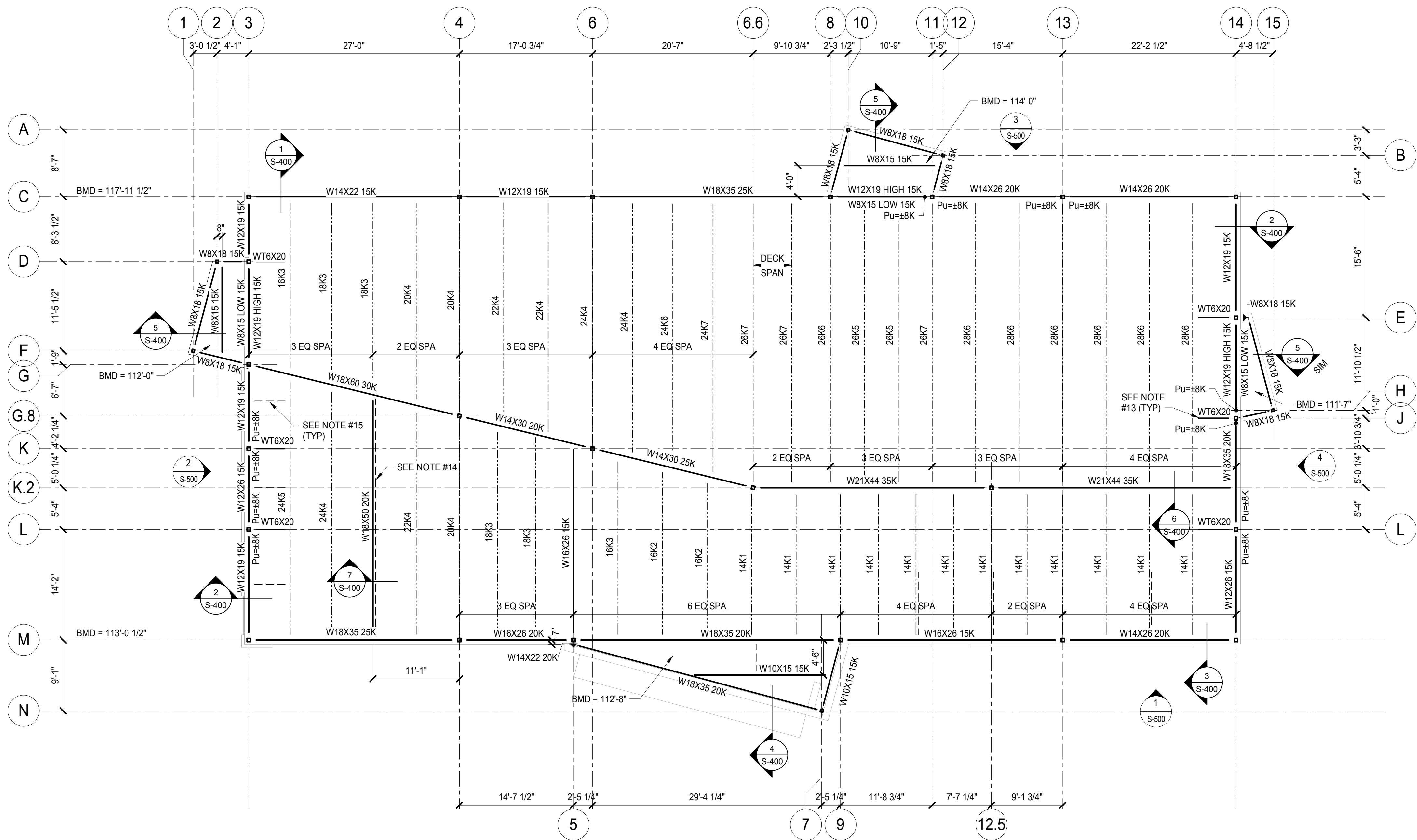
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **TRN**

PROJECT NUMBER: **16020**

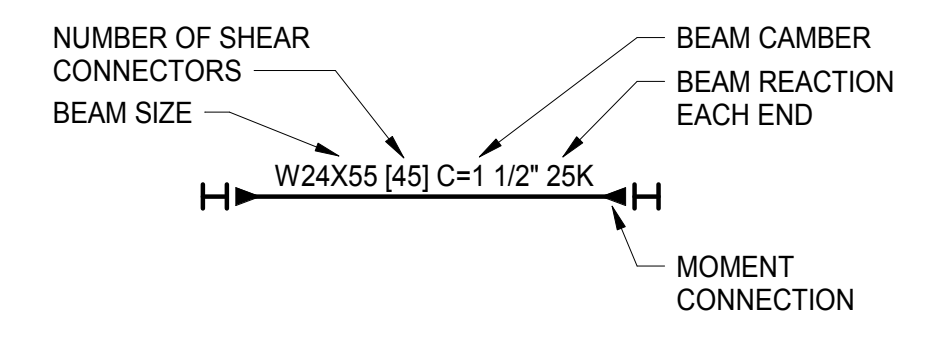
SHEET TITLE:
FIRST FLOOR FOUNDATION PLAN

S-201

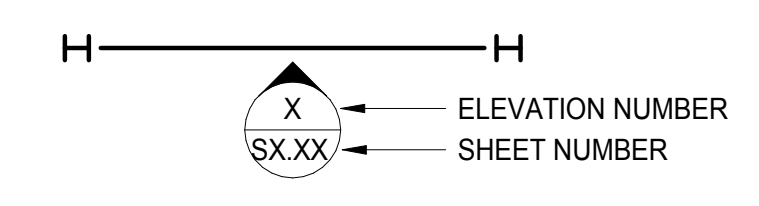


1 ROOF FRAMING PLAN
S-202 1/8" = 1'-0"

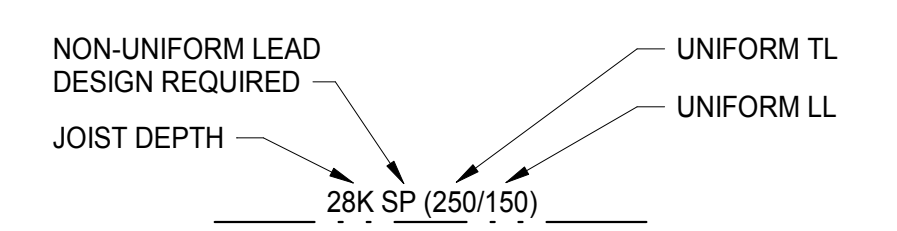
- FRAMING NOTES:**
- SEE SHEET SERIES S-100 FOR GENERAL NOTES AND TYPICAL DETAILS.
 - SEE SHEET SERIES S-500 FOR VERTICAL BRACING ELEVATIONS AND DETAILS.
 - SEE SHEET SERIES S-600 FOR COLUMN SCHEDULE AND BASE PLATE DETAILS.
 - SEE TYPICAL BEAM DESIGNATION FOR MOMENT CONNECTION SYMBOL.
 - SEE TYPICAL VERTICAL BRACING DESIGNATION FOR BRACING SYMBOL.
 - BOTTOM OF METAL DECK ELEVATION SHOWN ON PLAN.
 - ROOF CONSTRUCTION: 1 1/2" x 20 GAUGE WIDE RIB PAINTED METAL DECK OVER STEEL FRAMING. WELD METAL DECK TO ALL SUPPORTING STEEL WITH 5/8" DIA PUDDLE WELDS IN A 36/7 PATTERN. SIDE LAP OF METAL DECK TO BE ATTACHED WITH (3) #10 SELF-DRILLING SCREWS FOR SPANS MORE THAN 3'-0" LONG. EDGE WELDS OF METAL DECK TO BE @ 6" OC MAXIMUM (UNO)
 - DESIGN ROOF JOISTS FOR A NET UPLIFT OF 18 PSF OVER ENTIRE ROOF AND A NET WIND UPLIFT OF 20 PSF OVER A 7'-0" WIDE STRIP AROUND PERIMETER.
 - BEAM CONNECTIONS SHALL BE DESIGNED TO TRANSFER AXIAL LOADS NOTED "P=___K" ON PLAN.
 - STRUT JOIST TO OCCUR ON ALL COLUMN CENTER LINES UNLESS NOTED OTHERWISE. SEE TYPICAL DETAILS.
 - PROVIDE HORIZONTAL JOIST BRIDGING SPACED PER LATEST S.J.I. (UNO).
 - "BMD" NOTED ON PLAN INDICATES BOTTOM OF METAL DECK ELEVATION.
 - WT6x20 WELD TO COLUMN. COPE AND LAP ONTO JOIST TOP CHORD. WELD DECK TO WT W/ 5/8"Ø PUDDLE WELDS @ 6" OC
 - MAX FUTURE OPERABLE PARTITION WEIGHT = 150 PLF
 - SEE TYPICAL DETAILS, SHEET S-104, FOR BEAM BRACING DETAILS.



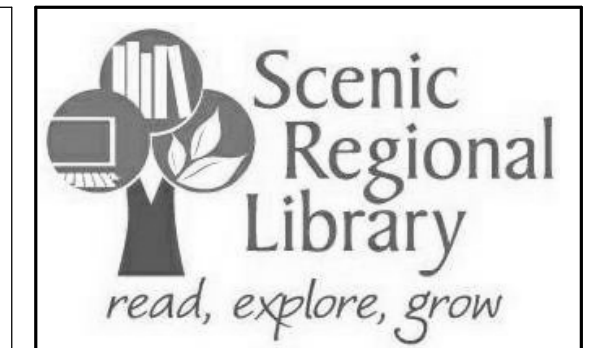
TYPICAL BEAM DESIGNATION



TYPICAL BRACING DESIGNATION



TYPICAL JOIST DESIGNATION



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390



ARCHITECT-OF-RECORD
JEMA
3005 LOCUST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
E-MAIL: SCLARK@JEMASTL.COM

DESIGN ARCHITECT
SAPP DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH FREMONT
SPRINGFIELD, MO 65804
T (417) 877-9600
F (417) 877-9696
CONTACT: JAMES STUFFLEBEAM
E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COCHRAN
530A E. INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VAN LEER
T (636) 584-0540
F (636) 584-0512
E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
ALPER AUDI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 432-8600
F (314) 807-2774
CONTACT: STEVE EHRETT
E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
BRIC PARTNERSHIP, LLC
343 S. KIRKWOOD ROAD, SUITE 204
KIRKWOOD, MO 63122
T (314) 725-5889
CONTACT: BRUCE COLEMAN
E: BCOLEMAN@BRICPARTNERSHIP.COM

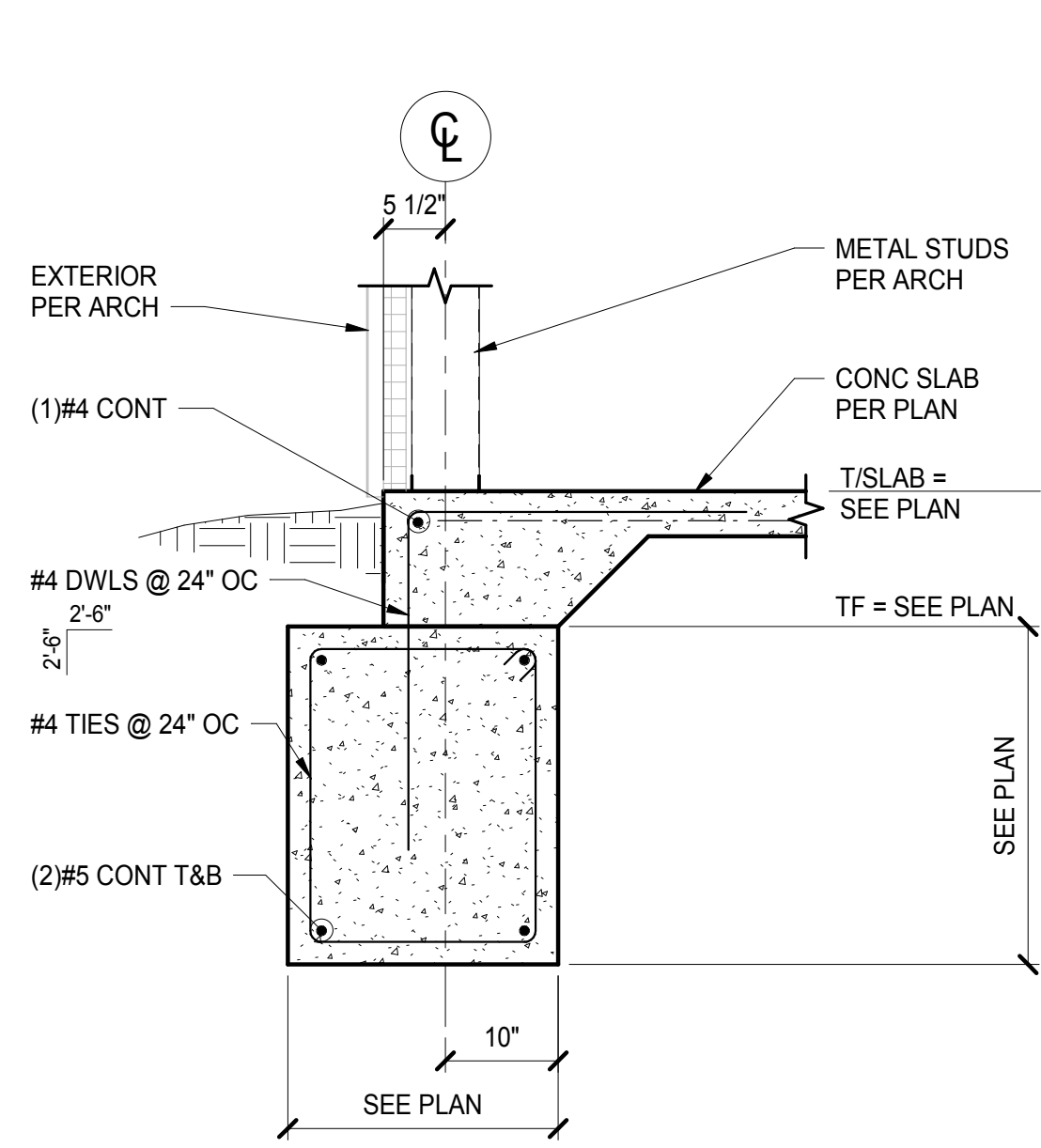
ENGINEER OF RECORD:

STEVEN J. EHRETT
MO STRUCTURAL LICENSE E-29025
MO CERTIFICATE OF AUTHORITY 000287

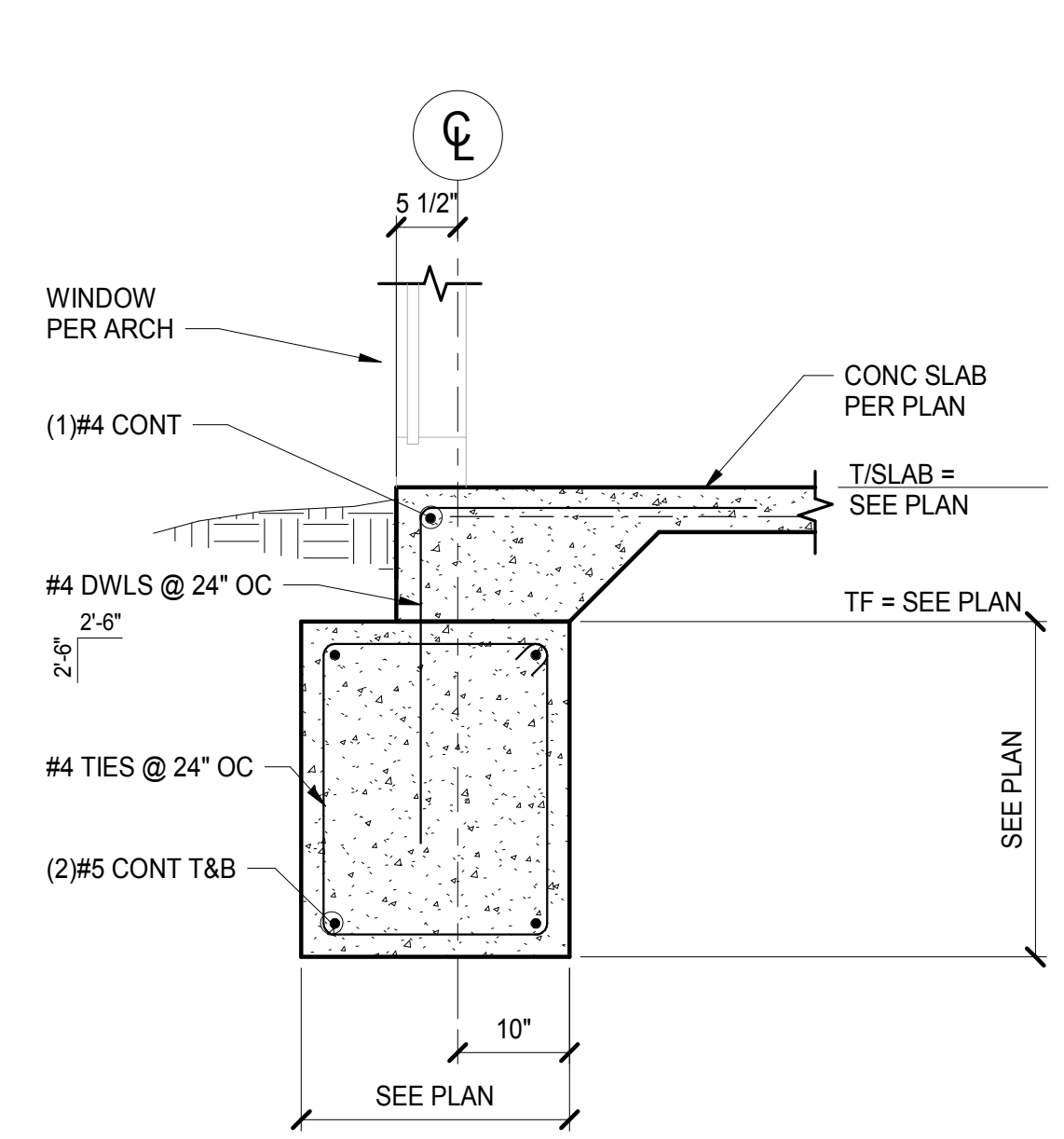
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **TRN**
PROJECT NUMBER: **16020**

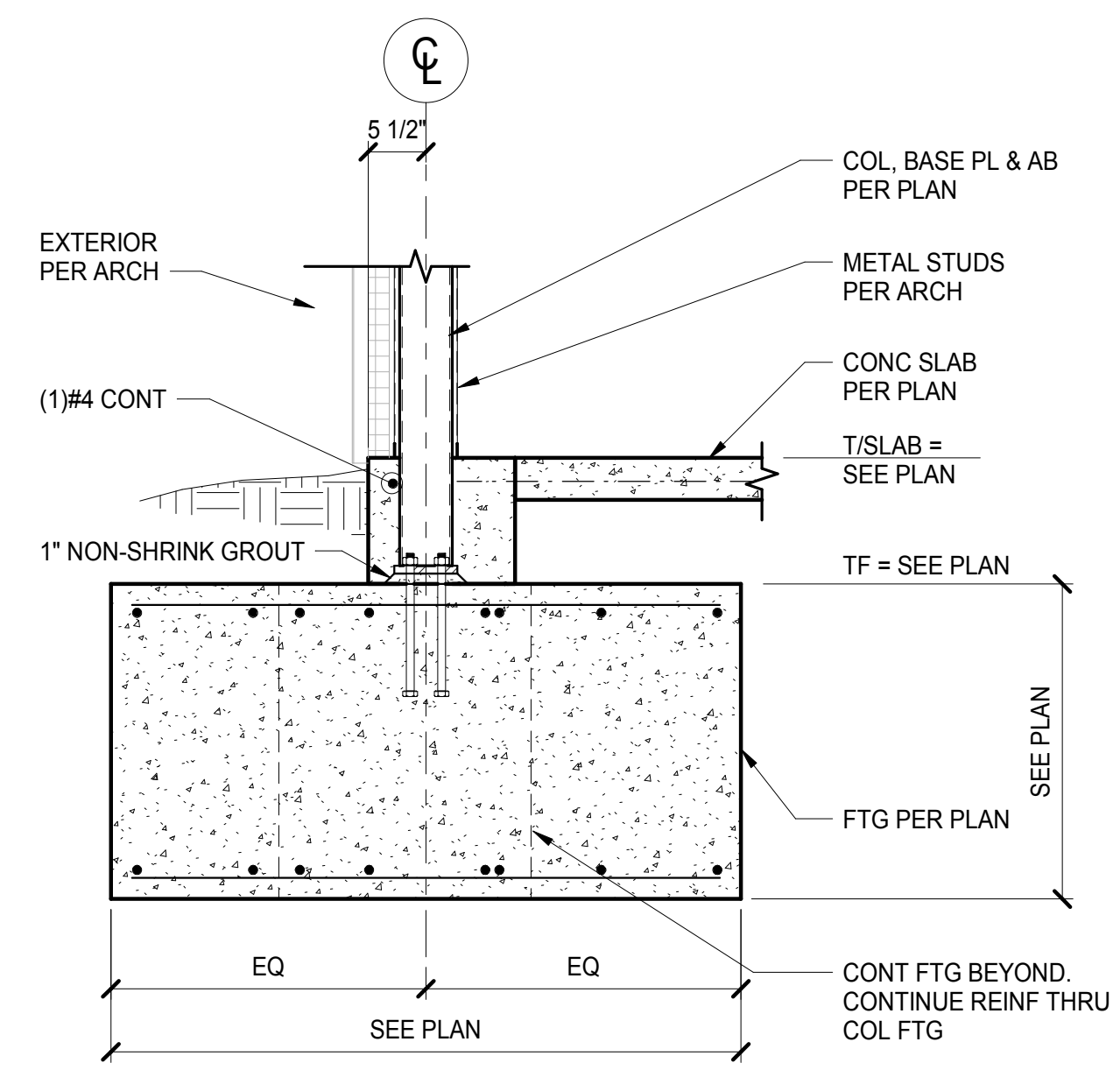
SHEET TITLE:
ROOF FRAMING PLAN
S-202



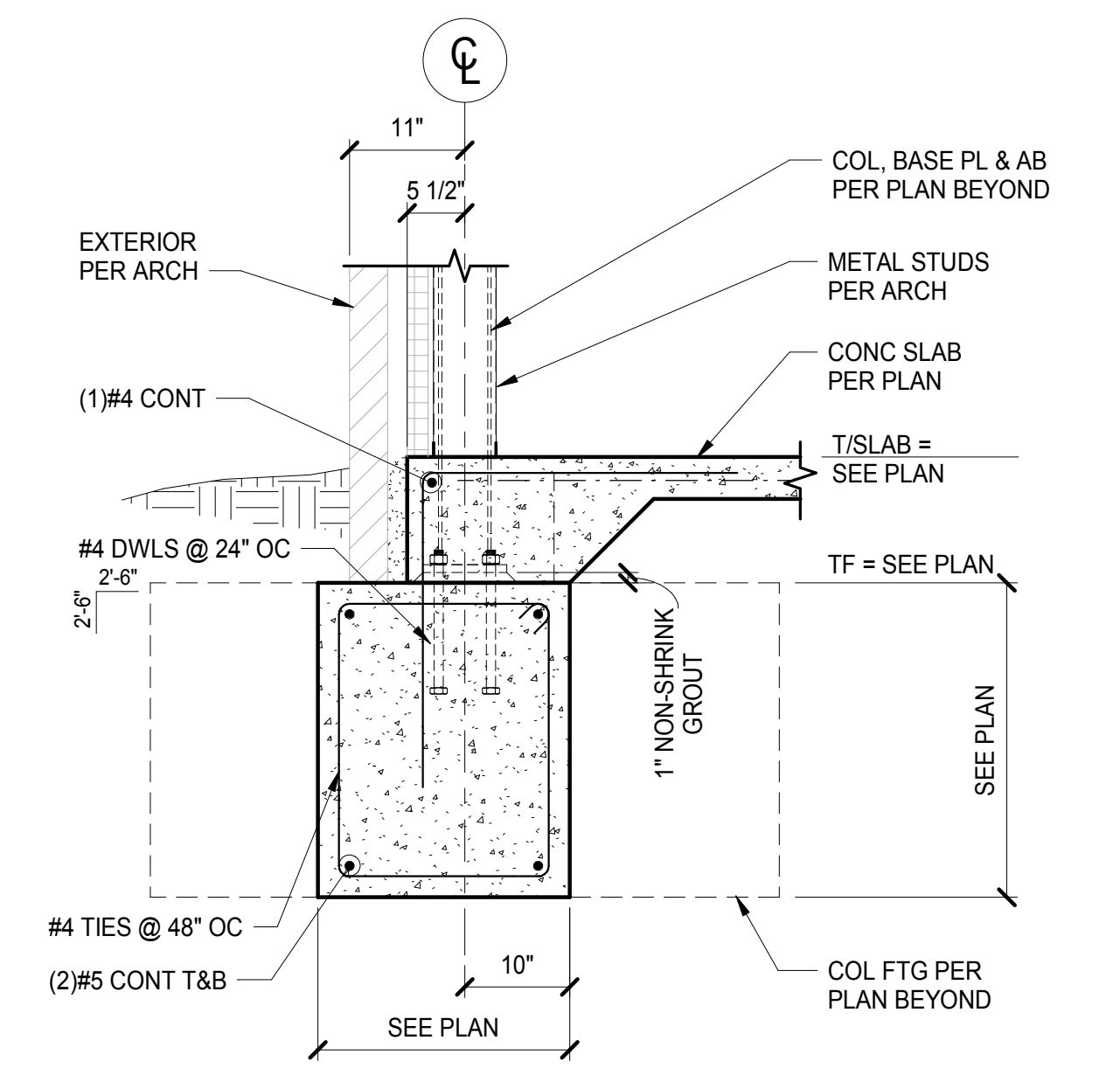
1 SECTION
S-300 3/4" = 1'-0"



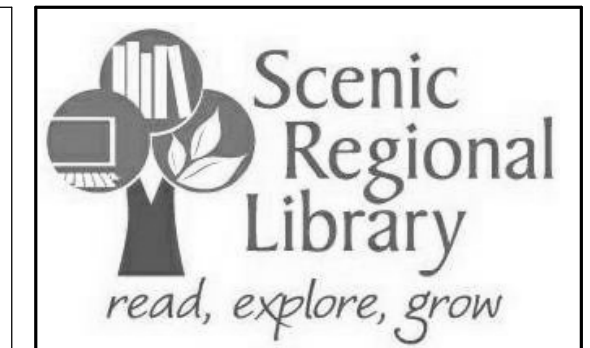
2 SECTION
S-300 3/4" = 1'-0"



3 SECTION
S-300 3/4" = 1'-0"



4 SECTION
S-300 3/4" = 1'-0"



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT-OF-RECORD
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

DESIGN ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-5889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

STEVEN J. EHRETT
 MO STRUCTURAL LICENSE E-29025
 MO CERTIFICATE OF AUTHORITY 000287

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **TRN**

PROJECT NUMBER: **16020**

SHEET TITLE:
FOUNDATION SECTIONS

S-300

ARCHITECT-OF-RECORD
JEMA
3005 LOCUST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
E-MAIL: SCLARK@JEMASTL.COM

DESIGN ARCHITECT
SAPP DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH FREMONT
SPRINGFIELD, MO 65804
T (417) 877-9600
F (417) 877-9696
CONTACT: JAMES STUFFLEBEAM
E-MAIL: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COCHRAN
530A E. INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VAN LEER
T (636) 584-0540
F (636) 584-0512
E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
ALPER AUDI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 432-8600
F (314) 807-2774
CONTACT: STEVE EHRETT
E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
BRIC PARTNERSHIP, LLC
343 S. KIRKWOOD ROAD, SUITE 204
KIRKWOOD, MO 63122
T (314) 725-5889
CONTACT: BRUCE COLEMAN
E-MAIL: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

STEVEN J. EHRETT
MO STRUCTURAL LICENSE E-29025
MO CERTIFICATE OF AUTHORITY 000287

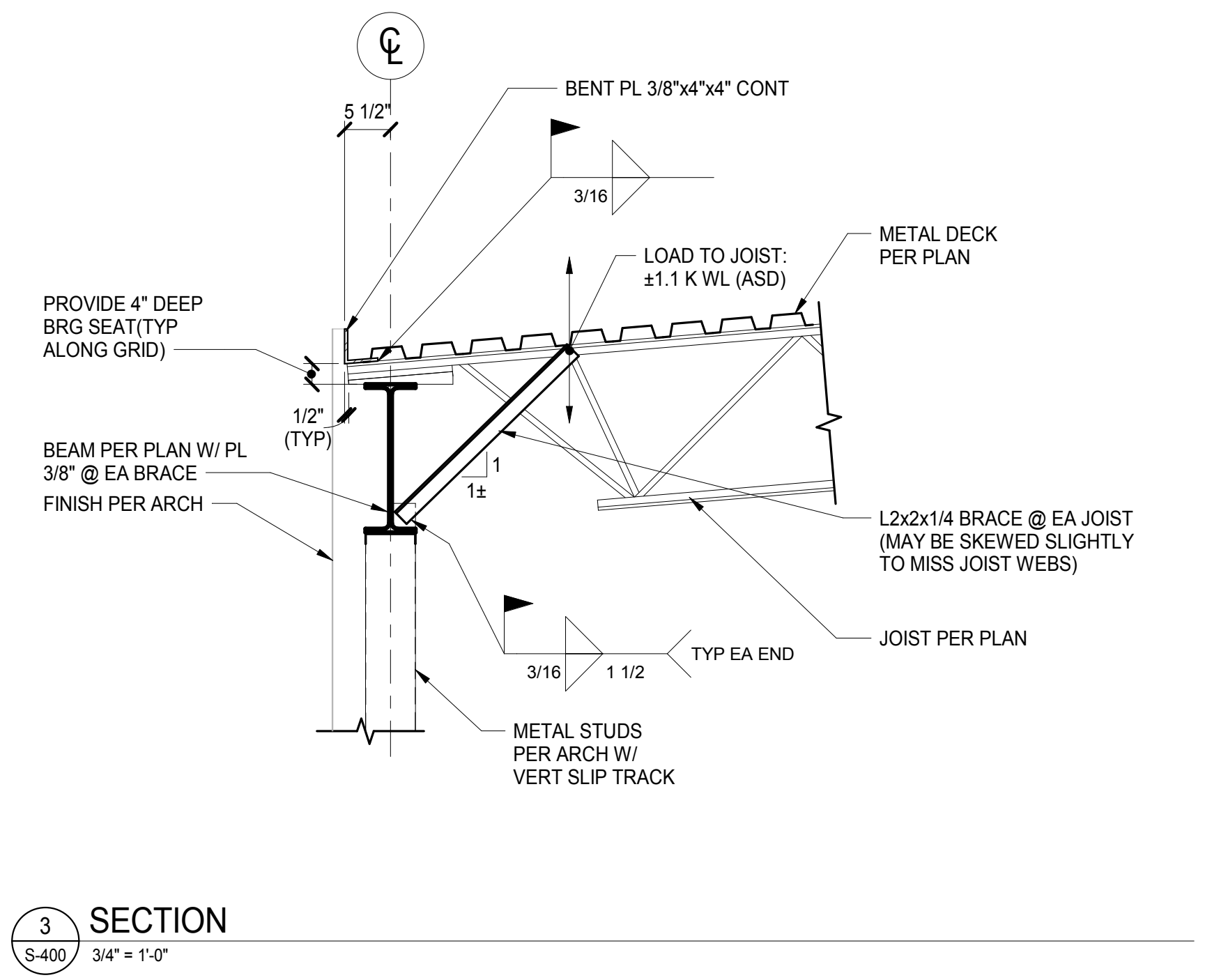
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: TRN

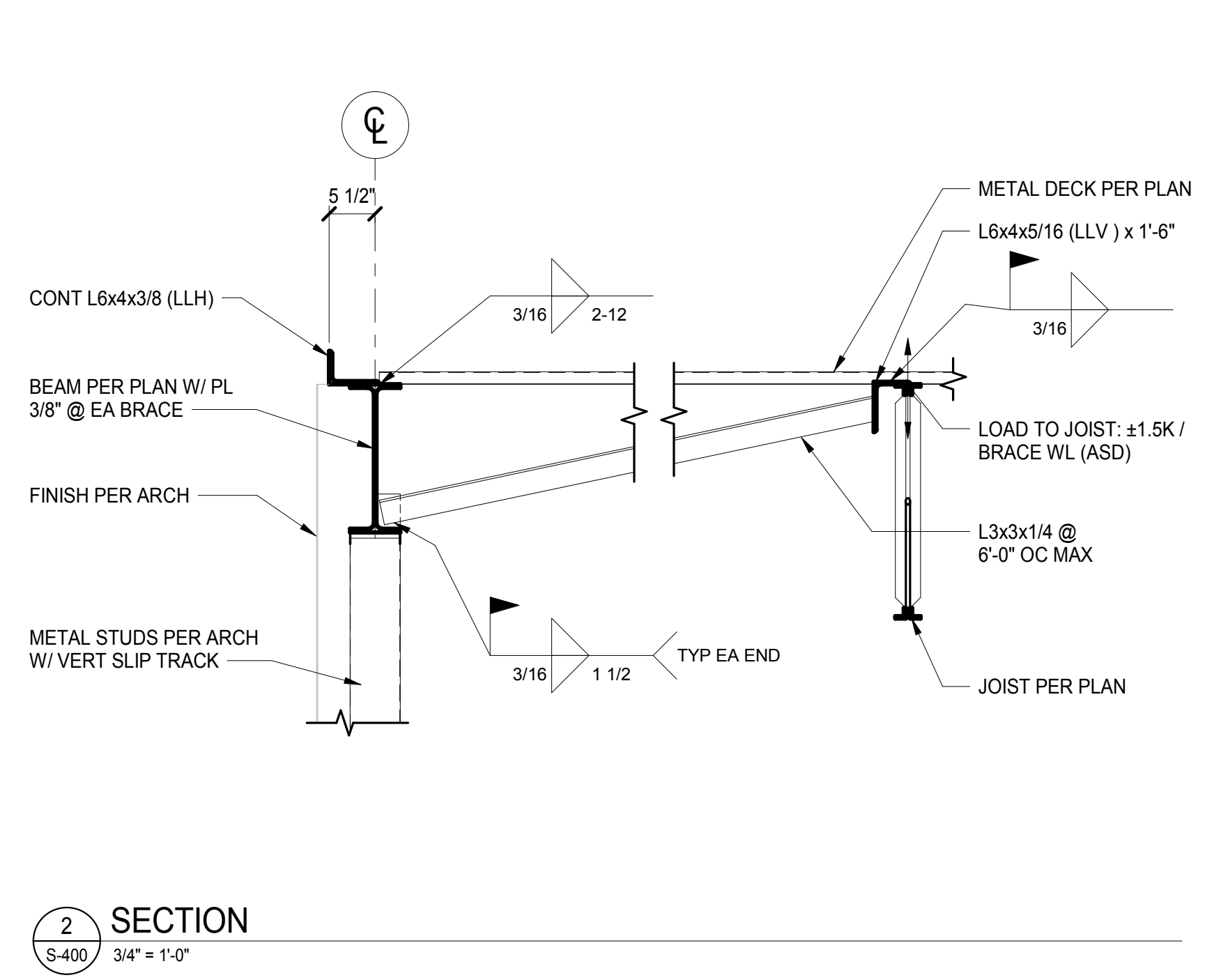
PROJECT NUMBER: 16020

SHEET TITLE:
FRAMING SECTIONS

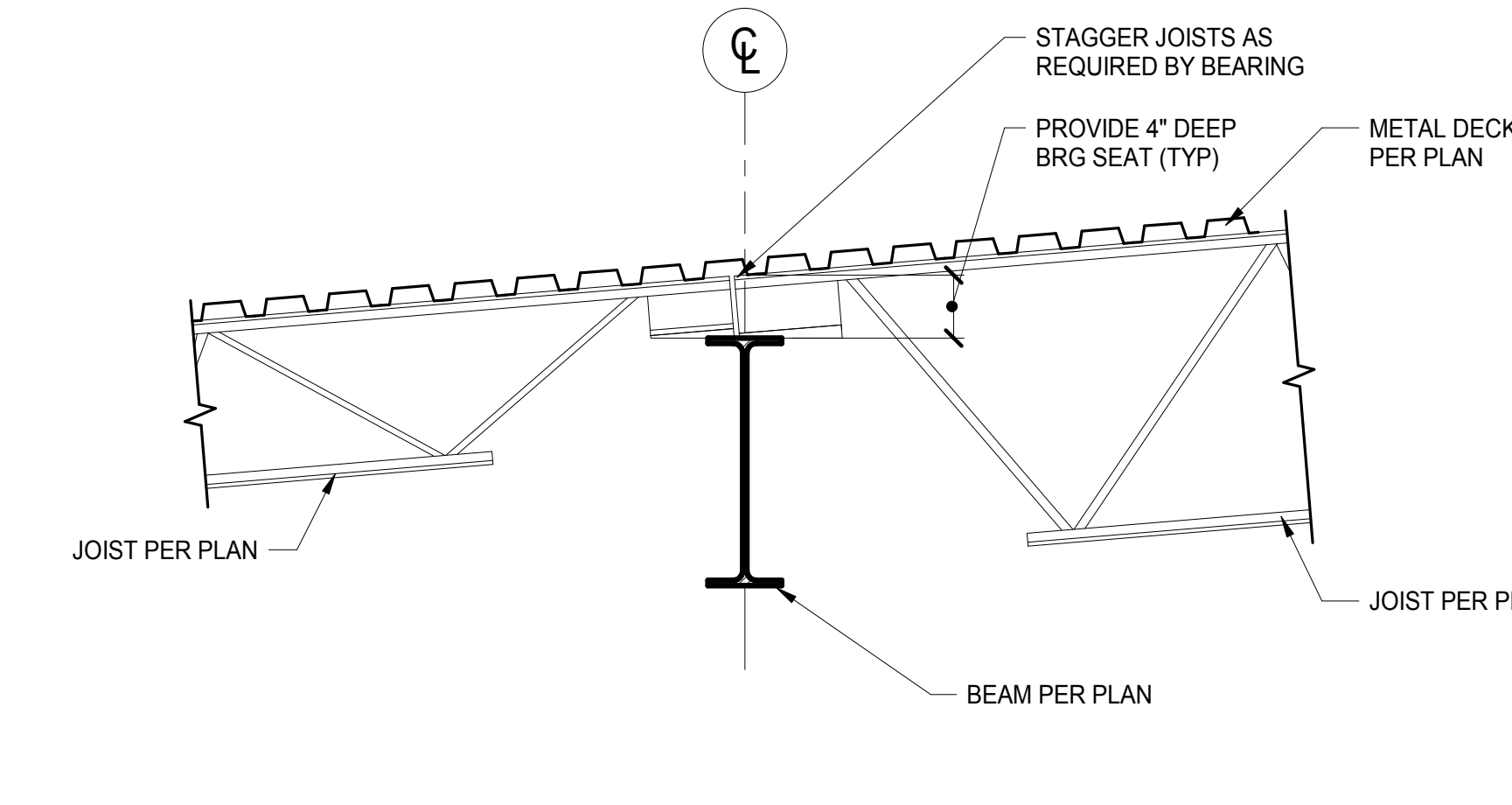
S-400



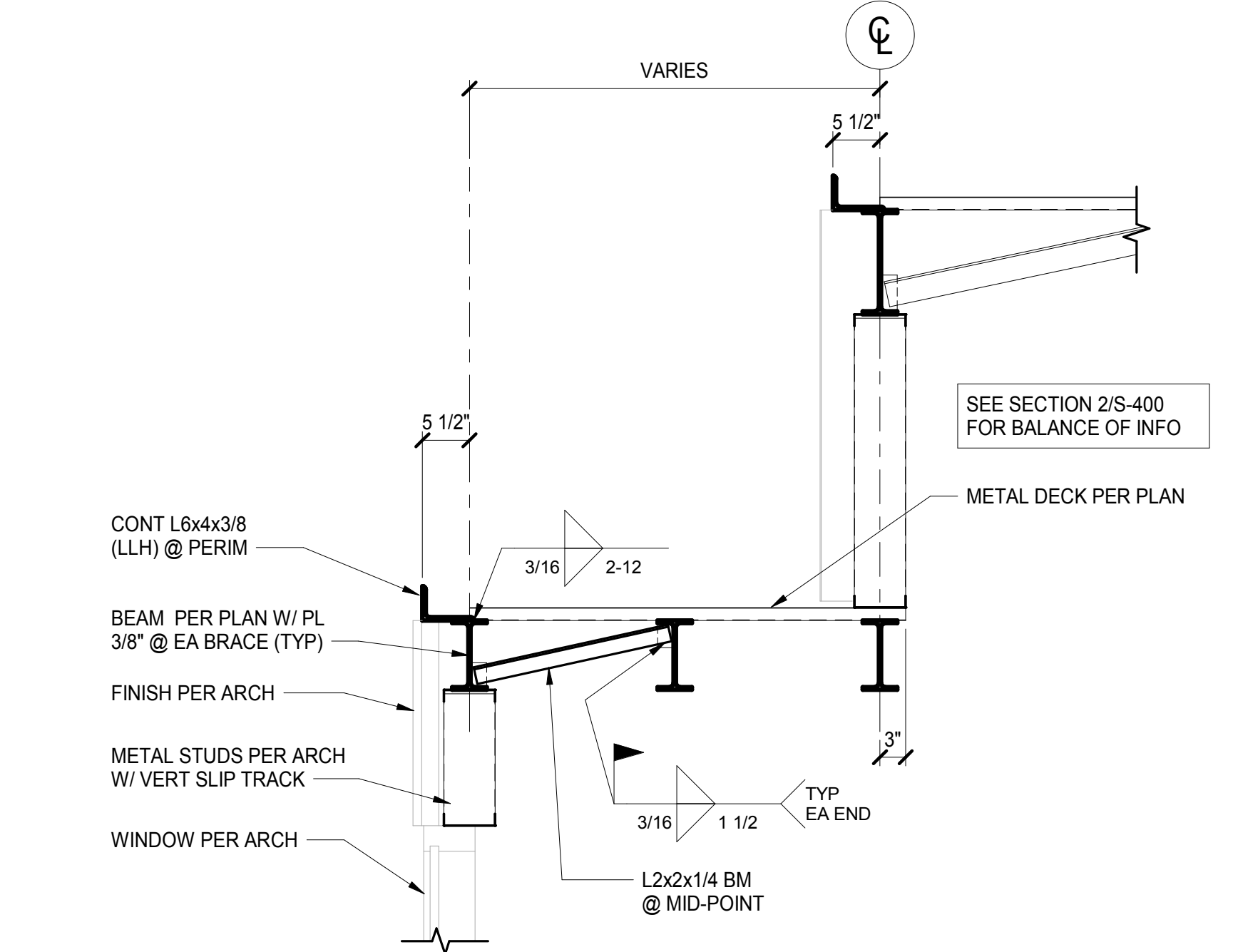
3 SECTION
S-400 3/4" = 1'-0"



2 SECTION
S-400 3/4" = 1'-0"



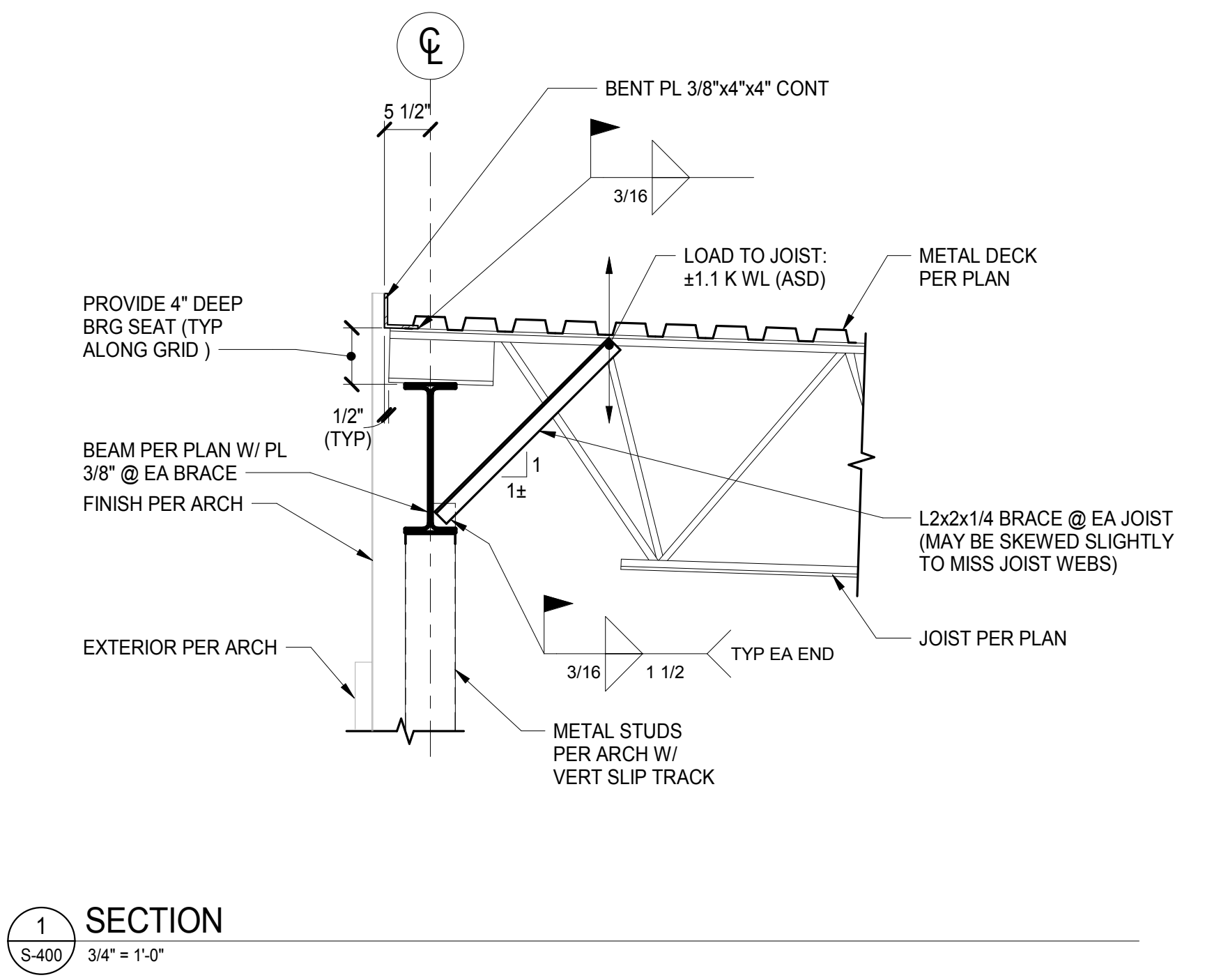
6 SECTION
S-400 3/4" = 1'-0"



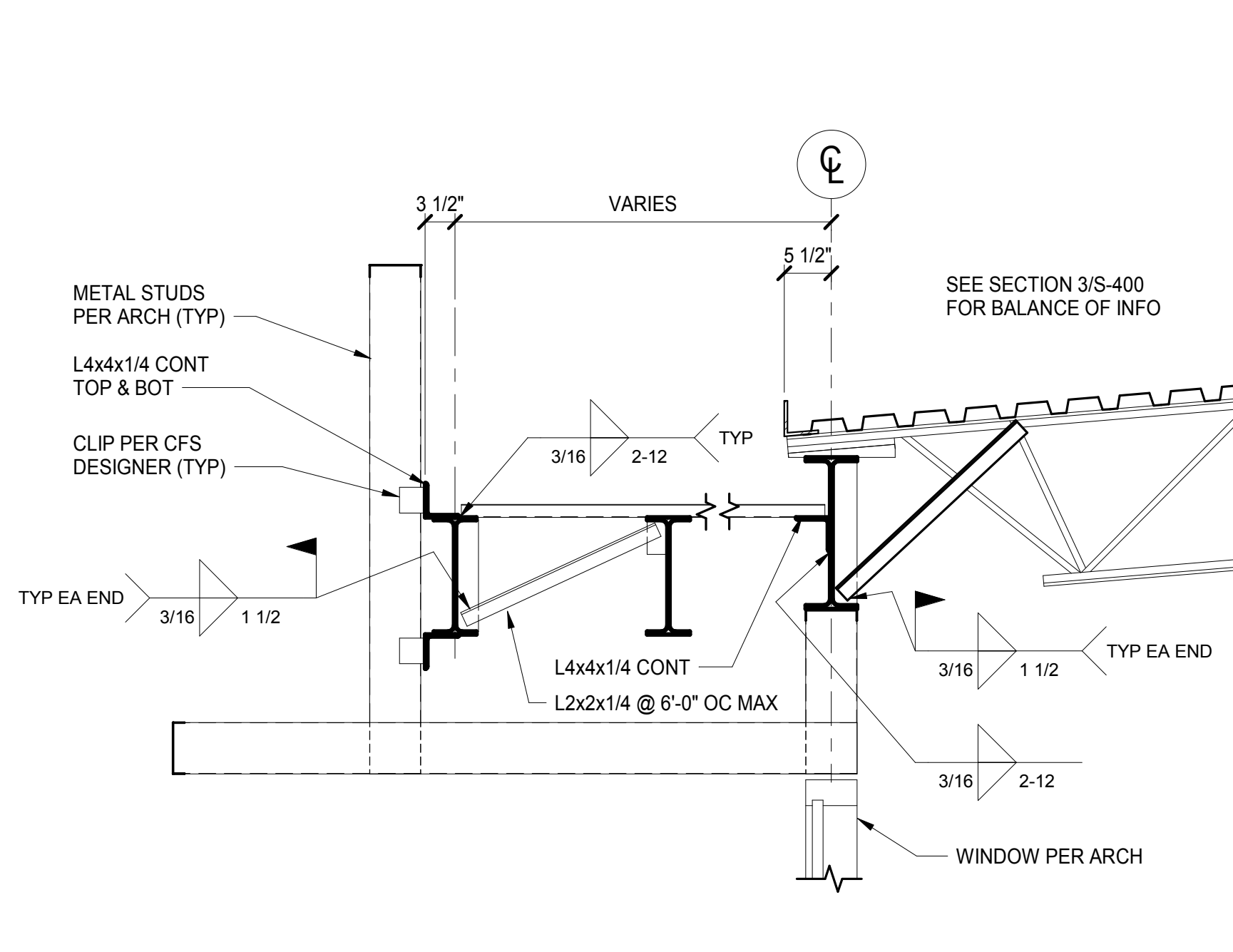
5 SECTION
S-400 3/4" = 1'-0"



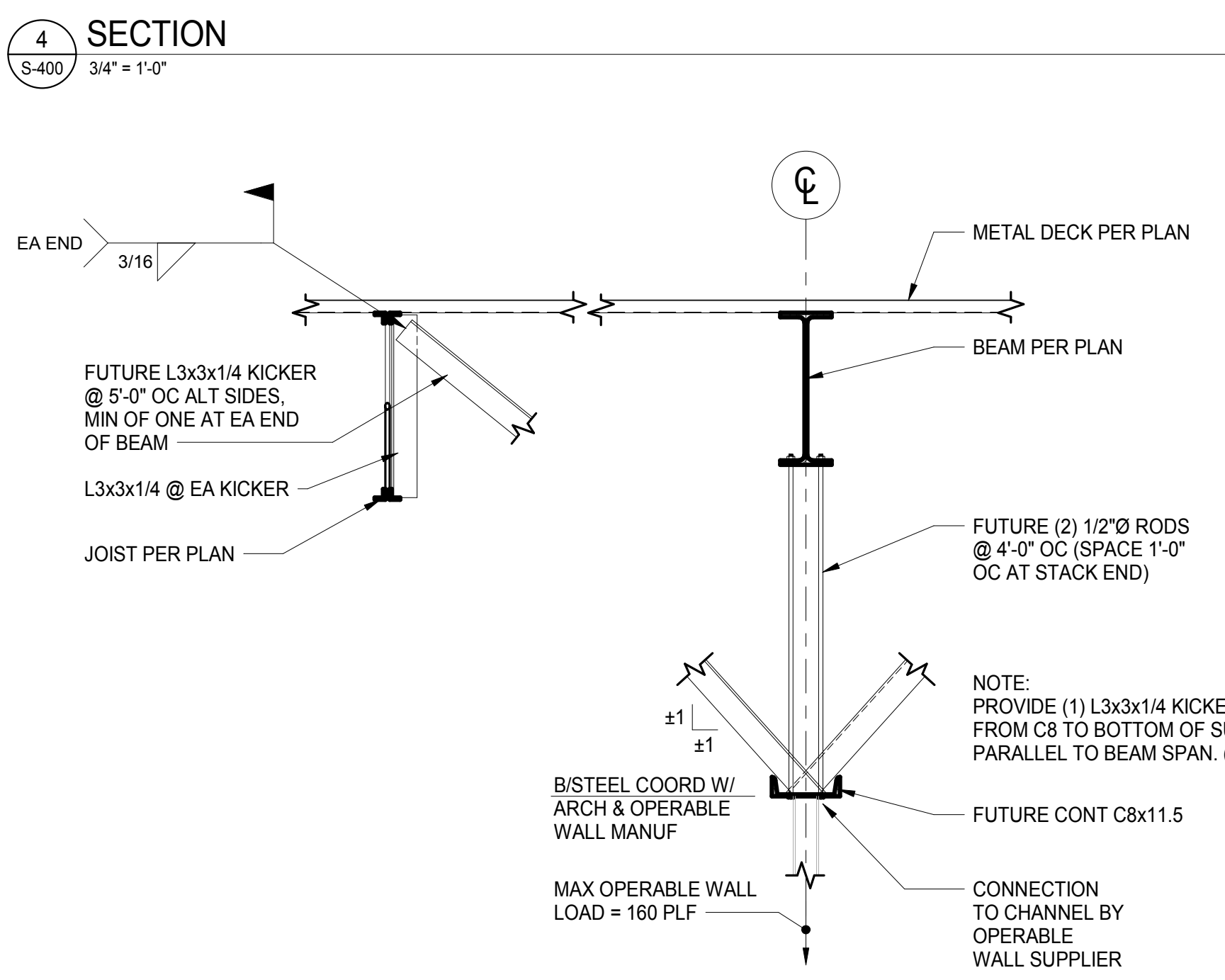
7 SECTION
S-400 3/4" = 1'-0"



1 SECTION
S-400 3/4" = 1'-0"

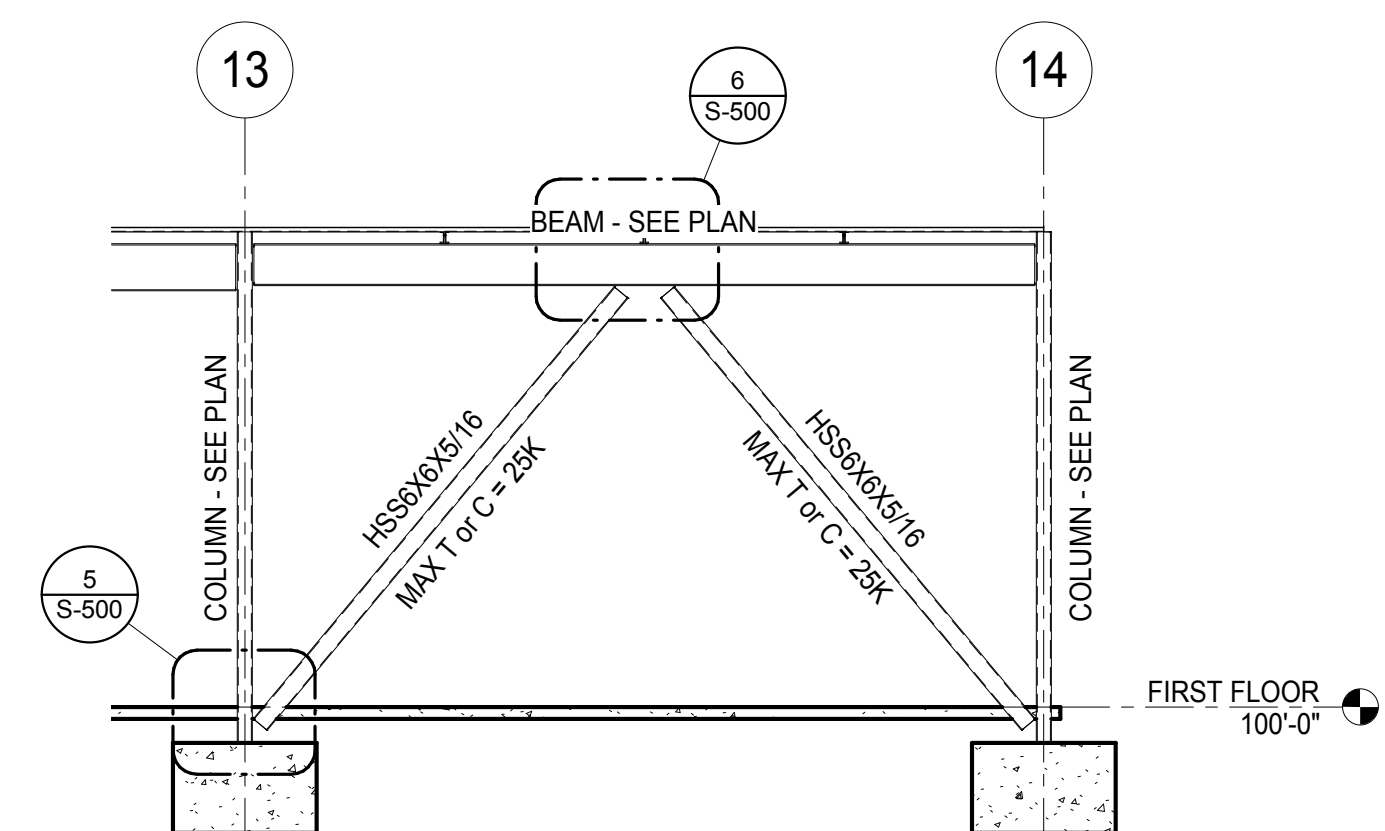


4 SECTION
S-400 3/4" = 1'-0"

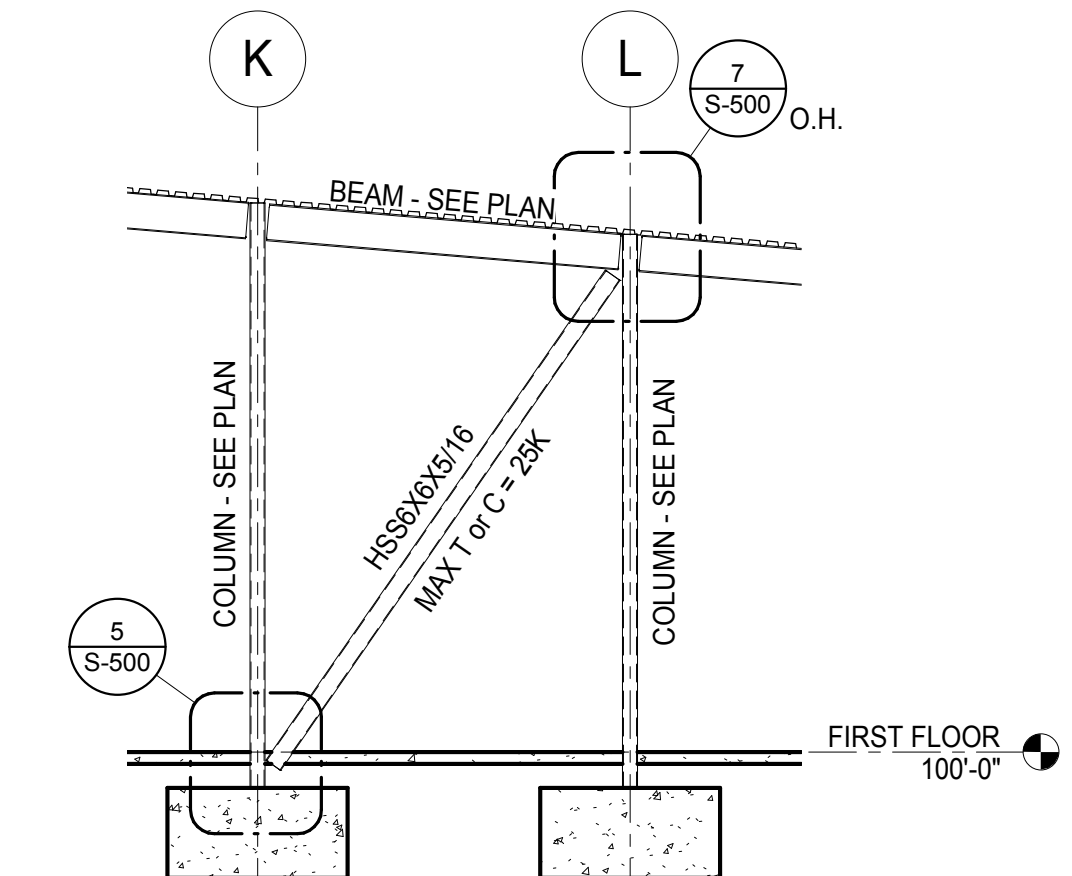


4 SECTION
S-400 3/4" = 1'-0"

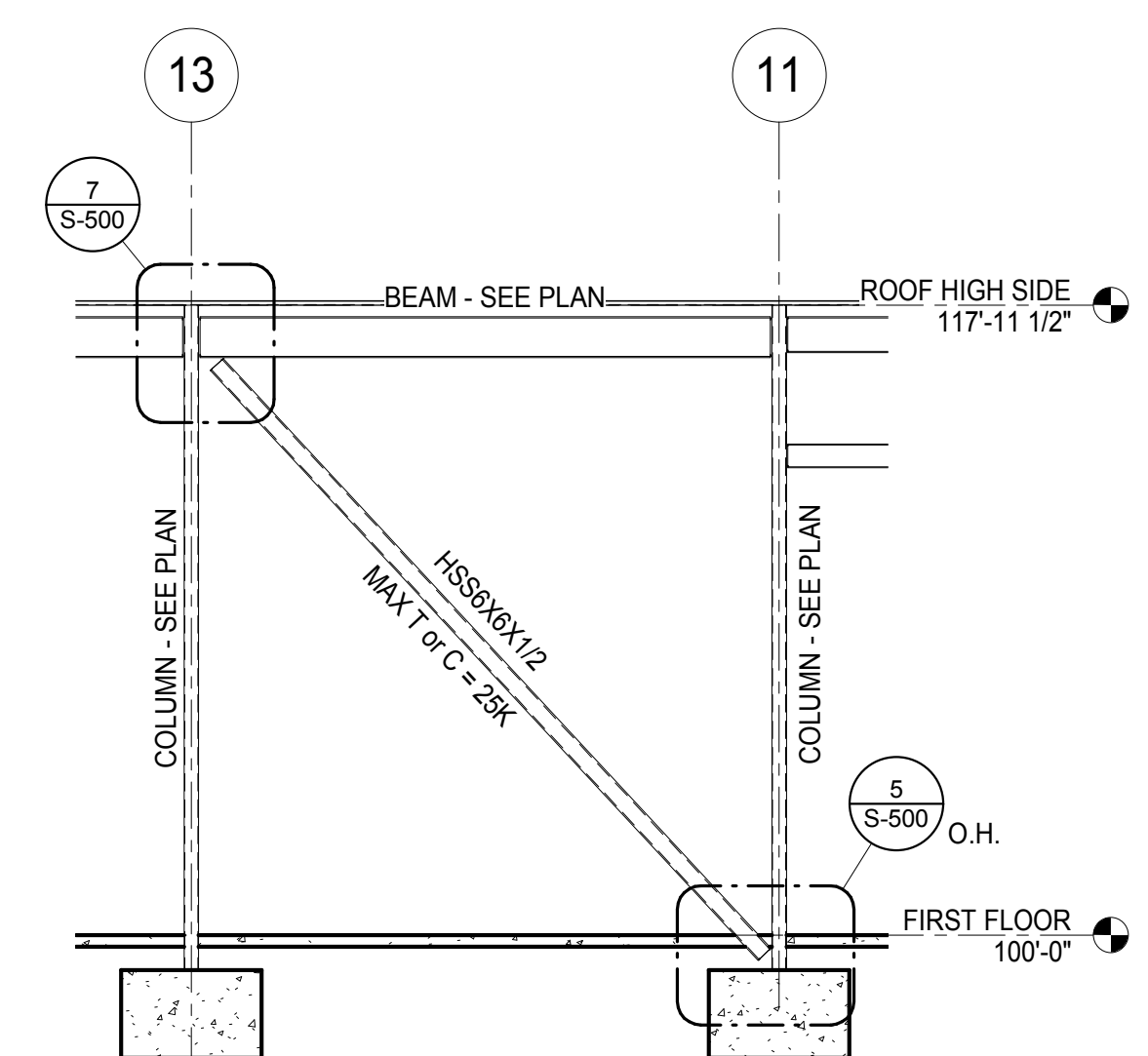
No.	Date	Description
	04/14/17	ISSUED FOR BID



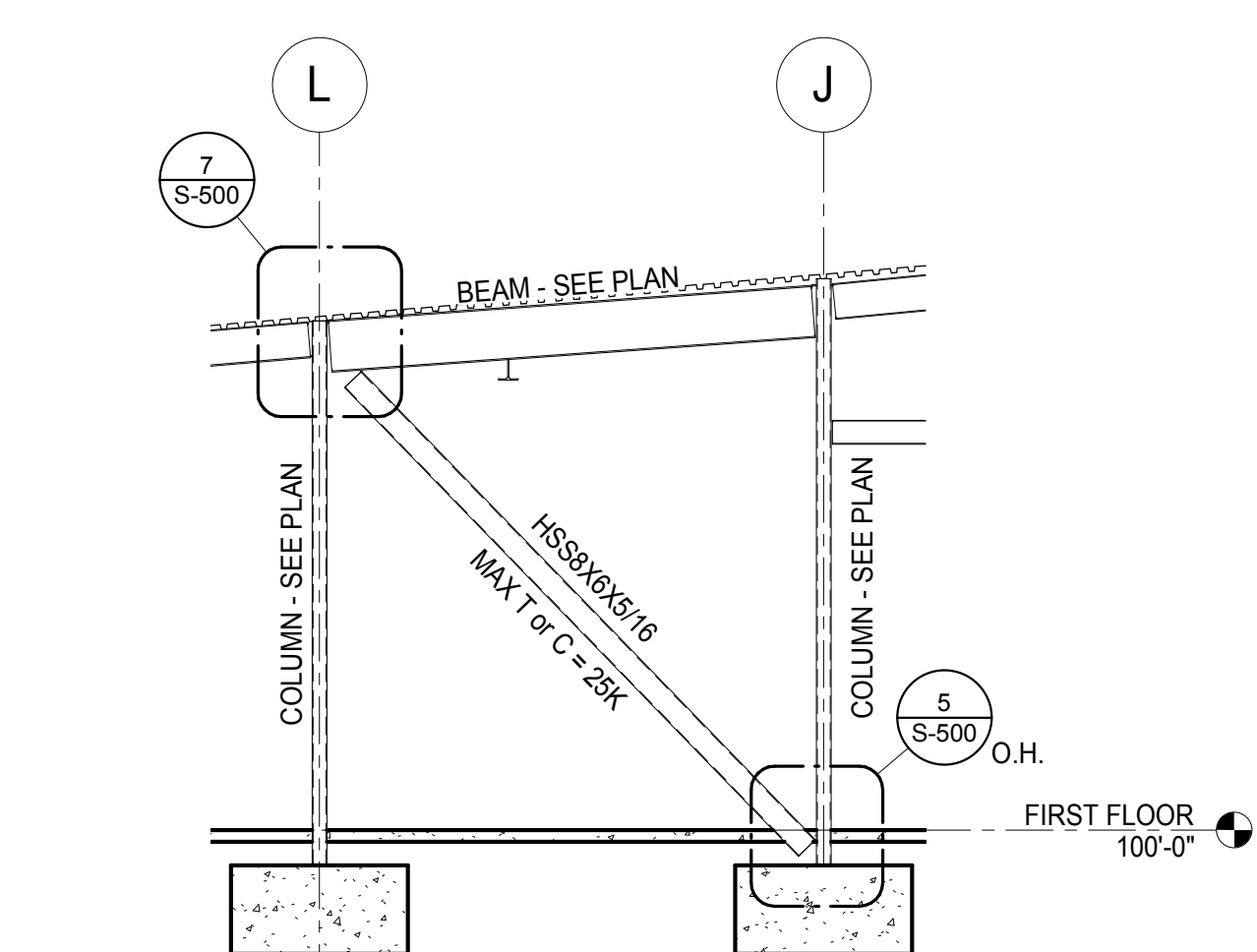
1 BRACE FRAME ELEVATION
3/16" = 1'-0"



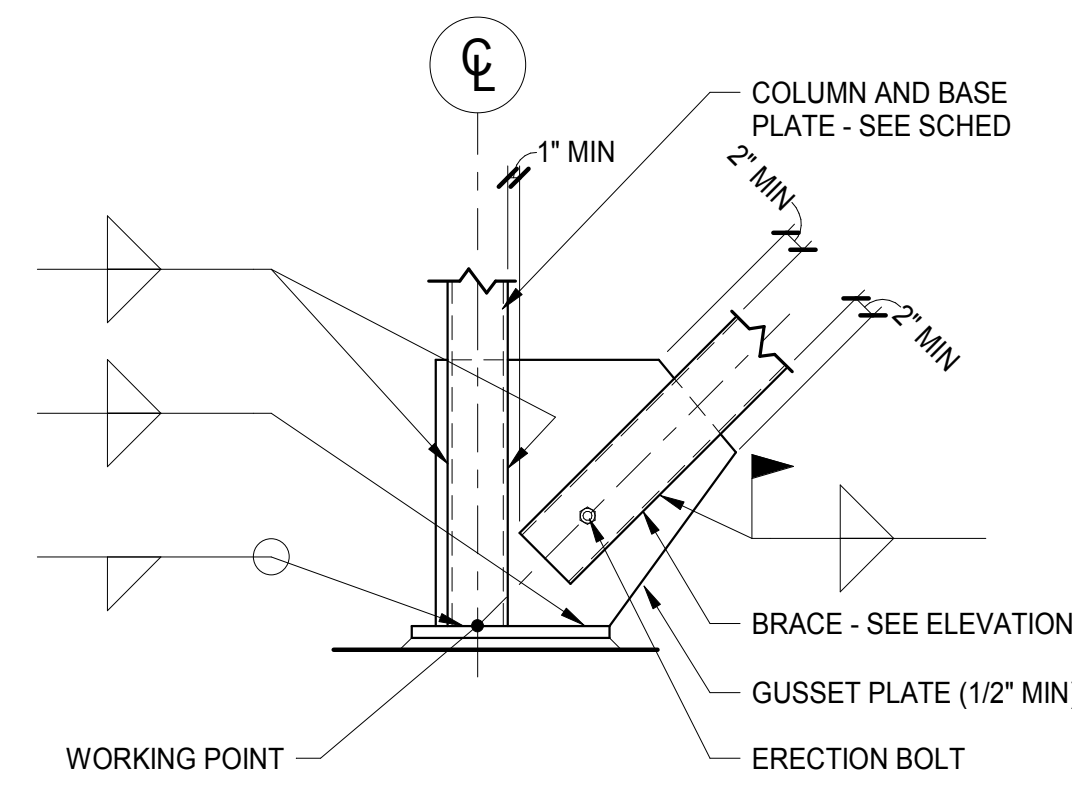
2 BRACE FRAME ELEVATION
3/16" = 1'-0"



3 BRACE FRAME ELEVATION
3/16" = 1'-0"

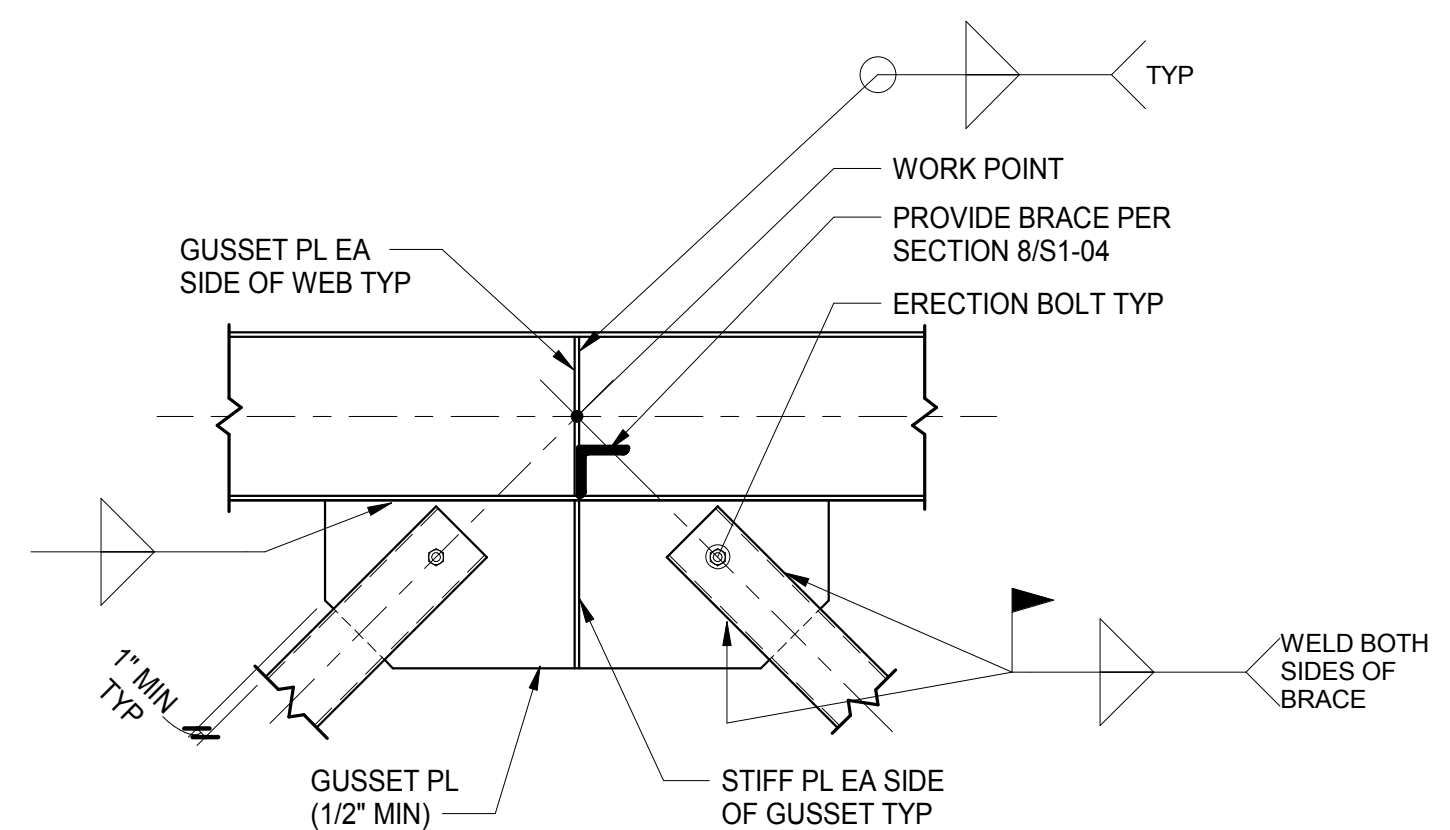


4 BRACE FRAME ELEVATION
3/16" = 1'-0"

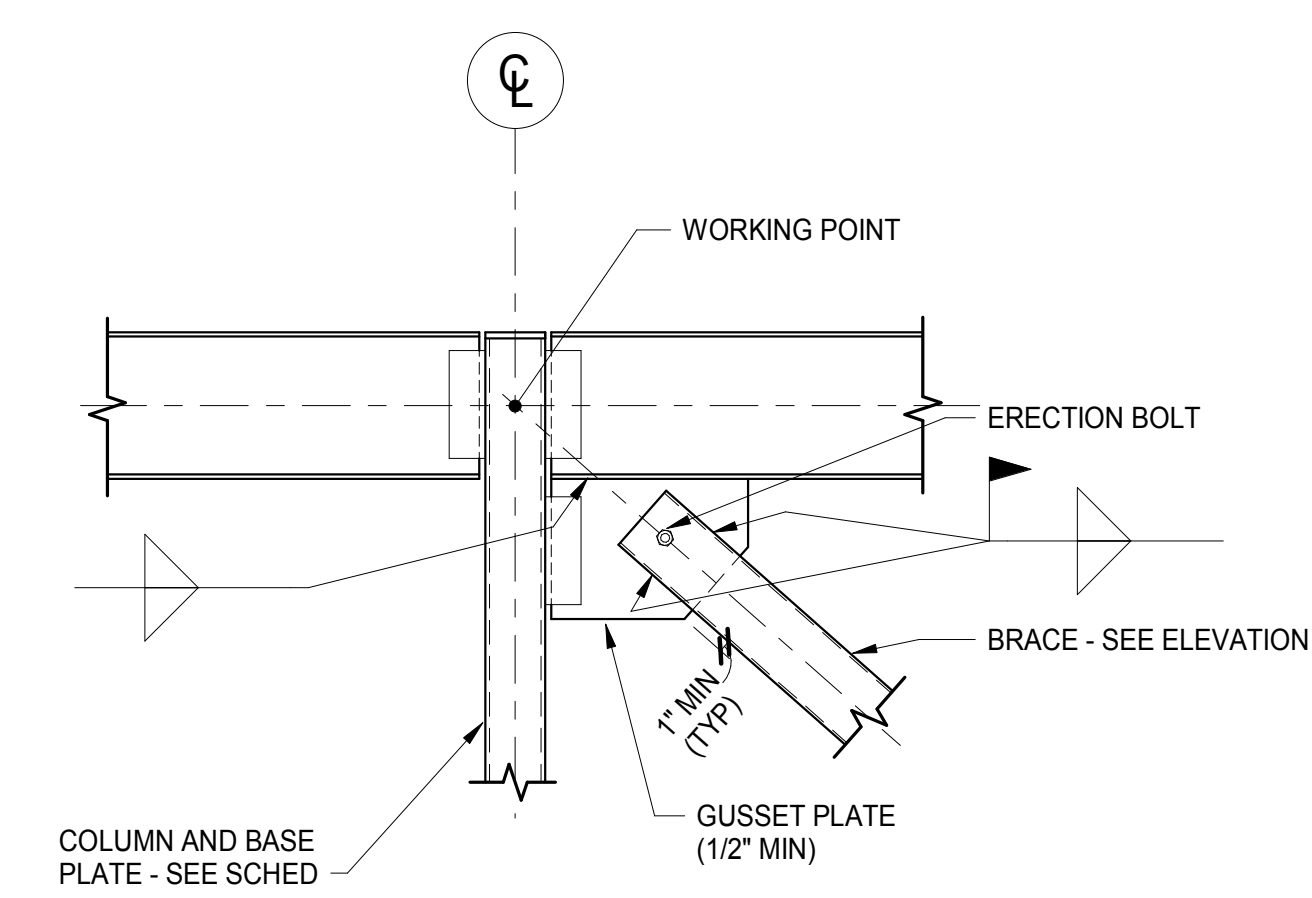


NOTE:
SEE BRACING ELEVATION FOR ORIENTATION OF GUSSET PLATE.

5 BRACE DETAIL
3/4" = 1'-0"

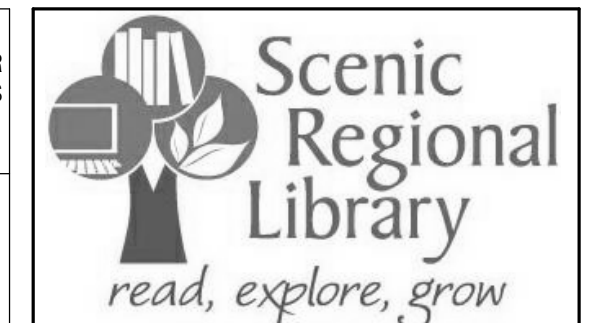


6 BRACE DETAIL
3/4" = 1'-0"



7 BRACE DETAIL
3/4" = 1'-0"

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



SCENIC REGIONAL LIBRARY
 WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-5889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

PRELIMINARY
 NOT FOR CONSTRUCTION

DAVID E. LAUVER
 MO. LICENSE NO. 2007002812
 BRIC MO CERTIFICATE OF
 AUTHORITY 2002028690

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **AMK**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
LEGEND, SYMBOLS, NOTES, & ABBREVIATIONS - MECHANICAL

M-001

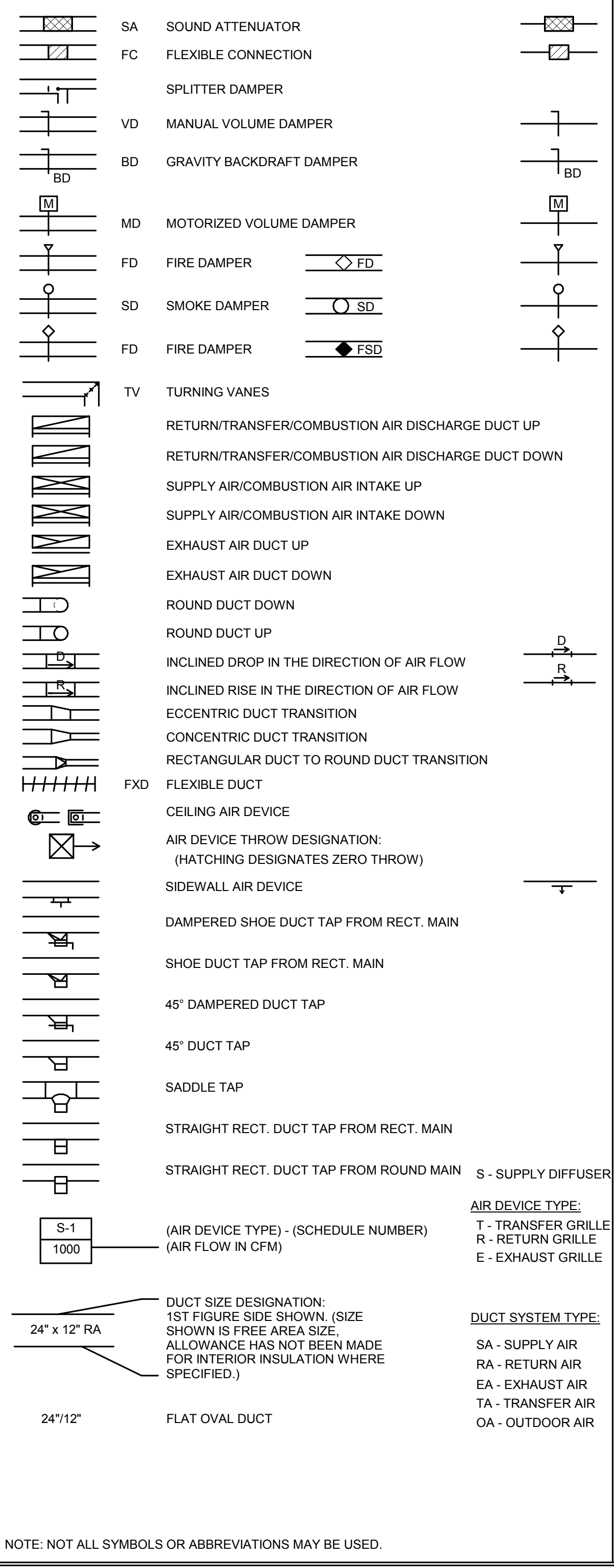
GENERAL NOTES

- THE SPACE ALLOWED FOR MECHANICAL (HVAC, PLUMBING, FIRE PROTECTION) AND ELECTRICAL WORK ABOVE THE SUSPENDED CEILING IS CRITICAL AND REQUIRES COORDINATION BETWEEN TRADES. CONTRACTORS SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS PRIOR TO FABRICATION OR INSTALLATION OF ANY MATERIALS. DUCTWORK SHALL BE HUNG AS CLOSE AS POSSIBLE TO THE STRUCTURE ABOVE UNLESS INDICATED OTHERWISE. REWORK OF PIPING, DUCTWORK, EQUIPMENT LOCATION, CONDUIT, ETC. AS A RESULT OF POOR PLANNING, COORDINATION, OR SCHEDULING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PIPES/DUCTS/ETC. PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE SEALED WEATHER PROOF.
- CONTRACTOR TO FIRESTOP ALL PENETRATIONS THROUGH FIRE-RATED FLOORS AND WALLS CREATED BY NEW WORK WITH "SPECSEAL SSS" OR EQUAL.
- PROVIDE OPENING IN DRY WALL ABOVE CEILING TO ALLOW SUPPLY AIR TO RETURN TO HEAT PUMPS OR AIR HANDLERS.
- REFRIGERANT PIPING TO BE SIZED BY EQUIPMENT MANUFACTURER AND INSTALLED PER THE MANUFACTURER'S INSTALLER'S GUIDE. CONTRACTOR TO SUBMIT DRAWINGS SHOWING ROUTING. SEE SPECIFICATIONS.
- THERMOSTATS AND ROOM TEMPERATURE SENSORS SHALL BE MOUNTED AT 48" A.F.F. TO THE TOP OF THERMOSTAT UNLESS NOTED OTHERWISE. DO NOT MOUNT IN DIRECT SUNLIGHT OR NEAR HEAT PRODUCING EQUIPMENT.
- INSTALL H.V.A.C. SYSTEM IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ANY FRAMING REVISIONS, EQUIPMENT LOCATIONS, ADDITION OF CONTROLS, ELECTRICAL CIRCUITING REVISIONS, ETC. THAT RESULT FROM USING EQUIPMENT OTHER THAN INDICATED ON THE DRAWINGS. APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER WILL NOT WAIVE THE CONTRACTOR OF THIS RESPONSIBILITY.
- THE CONTRACTOR SHALL HAVE THE FINAL RESPONSIBILITY FOR SYSTEM START UP AND TURN OVER TO THE OWNER.
- ALL ITEMS INCLUDED ON THESE DRAWINGS AND THE SPECIFICATIONS SHALL BE INCLUDED IN THE CONTRACTOR'S BID. IF THE CONTRACTOR DOES NOT CLEARLY UNDERSTAND THESE PLANS OR IS NOT SURE OF THEIR MEANING, THE CONTRACTOR SHOULD OBTAIN THE ENGINEER'S WRITTEN EXPLANATION AND INTERPRETATION PRIOR TO BID TIME. THE CONTRACTOR WILL BE HELD TO THE INTERPRETATION OF THE ENGINEER.
- FIRE CAULK ALL PENETRATIONS THRU FIRE RATED PARTITIONS TO MAINTAIN FIRE RATING OF PARTITION.
- CAULK ALL PENETRATIONS THRU WALLS TO MINIMIZE SOUND PENETRATION THRU WALLS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL TEMPERATURE CONTROL SYSTEM REQUIREMENTS.
- ROUTE LINE SIZE PVC CONDENSATE DRAIN PIPING FROM AIR HANDLING UNIT TO NEAREST FLOOR DRAIN. PROVIDE TRAP AT CONNECTION TO AIR HANDLING UNIT.
- CONTRACTOR WILL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF ROOFS/WALLS/FLOORS AND CORE DRILLS REQUIRED TO COMPLETE THEIR RESPECTIVE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY FENCING AROUND THE LIFT SITE DURING LIFTS.

GENERAL NOTES (AIR SIDE)

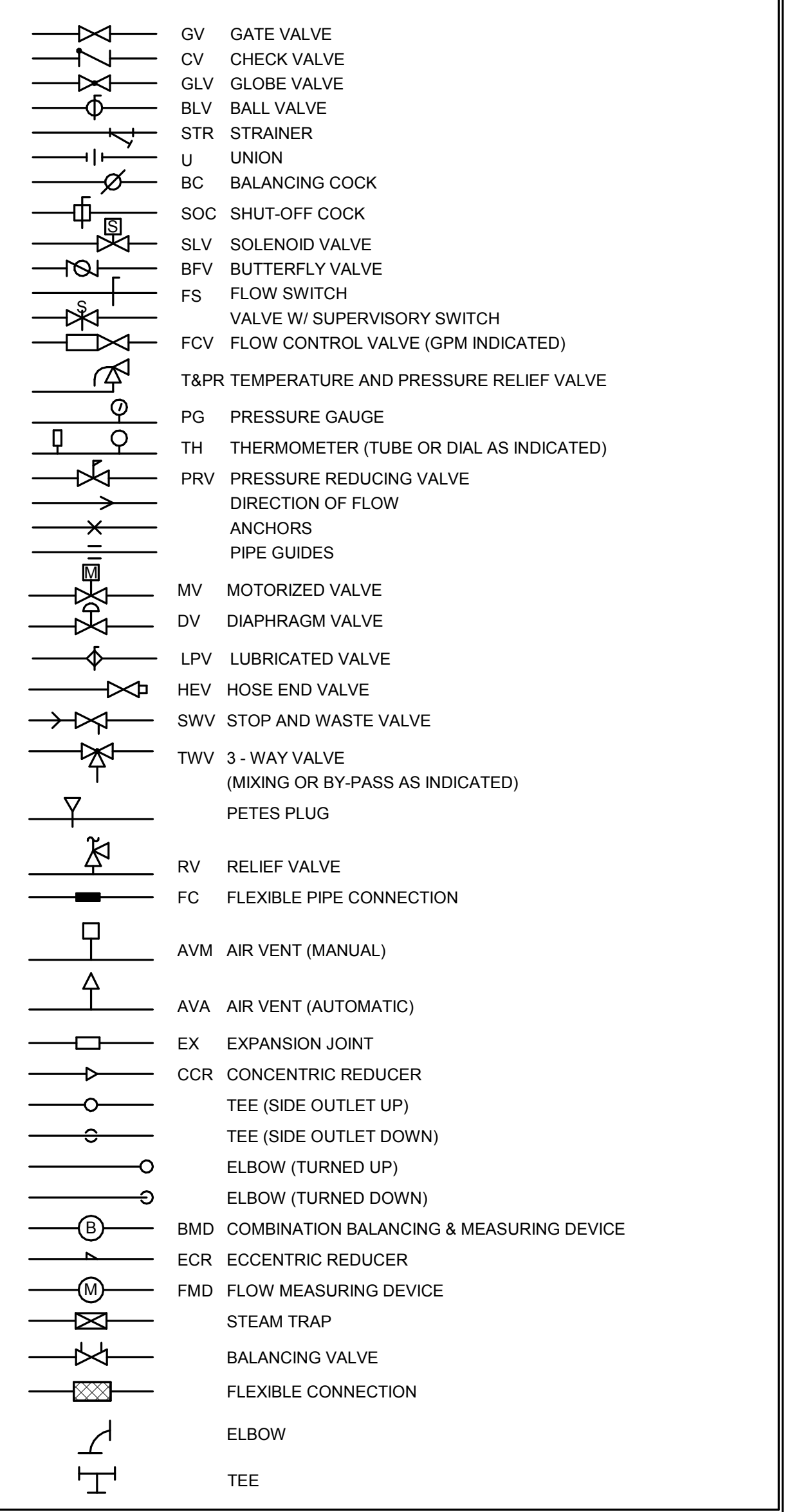
- NOTE. ALL DUCTWORK OFFSETS ARE NOT SHOWN. THE CONTRACTOR SHALL MODIFY DUCTS AND OFFSETS TO COORDINATE WITH THE BUILDING STRUCTURE AND ALL TRADE REQUIREMENTS.
- ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED PER THE LATEST VERSION OF THE S.M.A.C.N.A. H.V.A.C. DUCT CONSTRUCTION STANDARDS, UNLESS SPECIFIED MORE STRINGENTLY IN THESE CONSTRUCTION DOCUMENTS. MINIMUM DUCT GAUGE SHALL BE 24.
- 90° DUCT ELBOWS SHALL BE EQUIPPED WITH SINGLE THICKNESS TURNING VANES MOUNTED TO A PREFABRICATED VANE RAIL.
- ALL ELBOWS SHALL BE SUPPLIED WITH TURNING VANES, WHETHER SHOWN ON DOCUMENTS OR NOT.
- ALL 90° AND 45° RECTANGULAR RADIUS ELBOWS TO BE FABRICATED WITH AN INSIDE RADIUS NO LESS THAN 1/2 OF THE WIDTH OF THE DUCT - WHERE THE WIDTH OF THE DUCT IS DEFINED AS THE DIMENSION OF THE DUCT IN THE PLANE IN WHICH THE DUCT IS TURNING.
- RECTANGULAR DUCTWORK SHALL BE SUPPORTED PER THE S.M.A.C.N.A. STANDARDS AND AT EACH CHANGE IN DIRECTION.
- PROVIDE MANUAL, SINGLE BLADE, BALANCING DAMPERS WITH LOCKING QUADRANT AND INTEGRAL POSITION INDICATOR ON ALL RUNOUTS TO SUPPLY AND EXHAUST AIR DEVICES - EXCEPT THOSE LOCATED IN AREAS WITH PLASTER CEILINGS AND ARE NOT ACCESSIBLE (DAMPER SHALL BE INTEGRAL WITH THE AIR DEVICE IN THESE CASES.)
- PROVIDE MANUAL OPPOSED BLADE DAMPERS WITH LOCKING QUADRANT AND INTEGRAL POSITION INDICATOR ON ALL RECTANGULAR BRANCH DUCTS AND AIR DEVICE RUNOUTS THAT EXCEED 12" IN HEIGHT.
- MANUAL SPLITTER DAMPERS ARE NOT ACCEPTABLE.
- NOT ALL OF THE ACCESS DOORS IN THE DUCT SYSTEMS OR PLENUMS ARE SHOWN. PROVIDE ACCESS DOORS IN ALL DUCT SYSTEMS OR PLENUMS WHERE REQUIRED TO ACCESS AND MAINTAIN MOTORIZED OR AUTOMATIC DAMPER BLADES AND LINKAGES.
- ALL DUCTWORK SHALL BE SUPPORTED FROM ROOF OR FLOOR STRUCTURE ABOVE. DUCTWORK SHALL NOT LAY ON TOP OF CEILING OR LIGHT FIXTURES.
- FLEXIBLE DUCT RUNOUTS TO AIR DEVICES SHALL NOT EXCEED 5'-0" IN LENGTH. FLEXIBLE RUNOUTS SHALL BE TRIMMED TO THE MINIMUM LENGTH NECESSARY TO MAKE THE CONNECTION.
- WHERE DAMPER ACTUATORS ARE MOUNTED TO DUCTWORK OR PLENUMS PROVIDE A HEAVY GAGE BASE PLATE, ANGLE STIFFENERS, OR MOUNTING AS REQUIRED TO ELIMINATE DEFLECTION OF DUCTWORK DURING ACTUATOR OPERATION.
- FLEXIBLE DUCT CONNECTIONS TO EQUIPMENT ARE NOT SHOWN ON THE DRAWINGS. PROVIDE EXTRA WIDE FLEXIBLE CONNECTIONS ON THE SUPPLY DUCT AND THE RETURN DUCT OF EACH MAKE-UP AIR UNIT, ROOFTOP UNIT, AND EACH AIR HANDLING UNIT. PROVIDE STANDARD FLEXIBLE CONNECTIONS ON ALL BLOWER COILS, EXHAUST FANS, SUPPLY FANS, AND DUST COLLECTOR.
- PROVIDE 45° FLARED TAKEOFFS FOR ALL RECTANGULAR BRANCH CONNECTIONS TO THE MAIN DUCT.
- ALL DAMPER ACTUATORS FOR DUCT SYSTEMS OR EQUIPMENT THAT COMMUNICATES DIRECTLY WITH THE OUTDOORS SHALL BE SPRING RETURN TYPE TO CLOSE IN THE EVENT OF A POWER FAILURE.
- PROVIDE 1-1/2 HOUR RATED FIRE DAMPERS IN THE DUCTWORK WHERE INDICATED ON THE PLANS AND REQUIRED BY CODE. FIRE DAMPERS SHALL BE PROVIDED WITH AN ACCESS PANEL LARGE ENOUGH TO PERMIT INSPECTION AND MAINTENANCE OF THE DAMPER. ACCESS PANELS TO FIRE DAMPERS SHALL BE PERMANENTLY IDENTIFIED ON THE EXTERIOR BY A NAMEPLATE WITH THE WORDS "FIRE DAMPER". THE LETTERS ON THE FIRE DAMPER LABELS SHALL NOT BE LESS THAN 1/2 INCH IN HEIGHT.
- THE SPACE ABOVE THE SUSPENDED CEILINGS SHALL BE USED AS A RETURN AIR PLENUM. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE THE WORK OF OTHER TRADES TO PROVIDE ADEQUATE SPACE FOR THE FLOW OF RETURN AIR (250 FPM MAXIMUM VELOCITY). WHERE PARTITIONS EXTEND TO THE CONSTRUCTION ABOVE, OPENINGS SHALL BE PROVIDED IN THE PARTITION ABOVE THE CEILING.
- DUCT DIMENSIONS NOTED ON THE DRAWINGS ARE NET FREE AREA. WHERE ACOUSTIC LINER IS INDICATED OR SPECIFIED THE SHEET METAL SIZE MUST BE INCREASED TO ACCOMMODATE THE LINER.
- AREAS ABOVE THE CEILING SERVE AS A RETURN AIR PLENUM. ALL MATERIALS EXPOSED IN THE PLENUM SHALL HAVE A 25/50 SMOKE/FLAME SPREAD RATING.
- ALL DUCT RUNOUTS TO AIR DEVICES ARE TO BE THE SAME SIZE AS THE NECK OF THE AIR DEVICE UNLESS NOTED OTHERWISE.
- DIRECTIONAL ARROWS ON AIR DEVICES INDICATE THROWS FOR AIR DEVICE. VERIFY PROPER ADJUSTMENT OF THROW DEFLECTION VANES OF ALL AIR DEVICES PRIOR TO BEGINNING BALANCING. WHERE NO ARROWS SHOW, THROW SHALL BE 4-WAY.
- ALL BATHROOM EXHAUST DUCTWORK SHALL BE EXTERNALLY INSULATED.
- EXPOSED GALVANIZED DUCTWORK SHALL BE PAINTABLE. GENERAL CONTRACTOR TO PAINT ALL EXPOSED DUCTWORK. FINAL COLOR TO BE APPROVED BY THE ARCHITECT.

HEATING AND VENTILATION SYMBOLS



NOTE: NOT ALL SYMBOLS OR ABBREVIATIONS MAY BE USED.

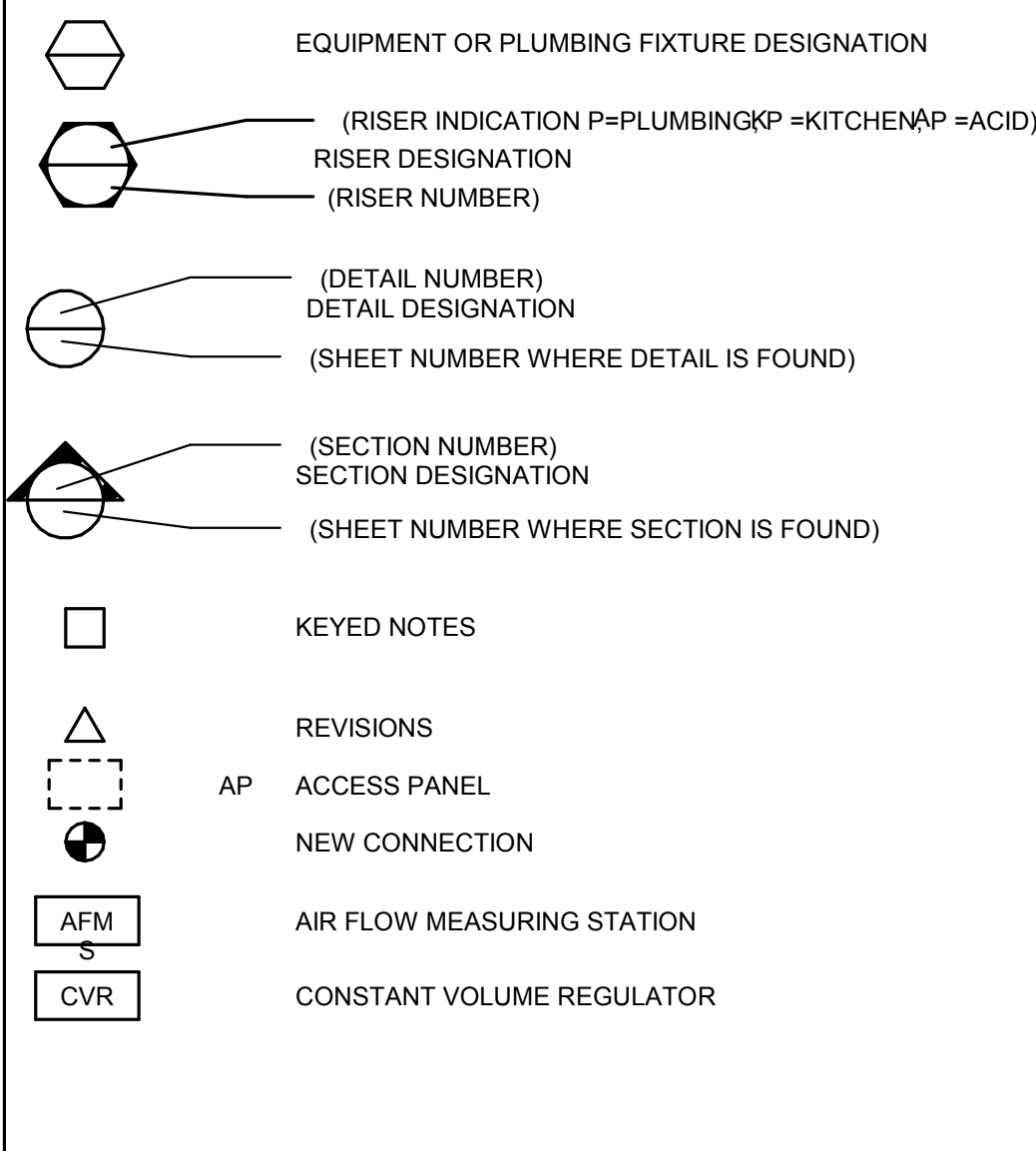
PIPING SPECIALTIES



ABBREVIATIONS

FFE	FINISH FLOOR ELEVATION
AFF	ABOVE FINISH FLOOR
TE	TOP ELEVATION
BE	BOTTOM ELEVATION
FL	FLOW LINE
INV	INVERT ELEVATION
⊕	CENTER LINE
GC	GENERAL CONSTRUCTION CONTRACTOR
HAC	HEATING & AIR CONDITIONING CONTRACTOR
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
ACS	AUTOMATIC CONTROL SUB-CONTRACTOR
FPC	FIRE PROTECTION CONTRACTOR
HSC	HALON SUB-CONTRACTOR
KEC	KITCHEN EQUIPMENT CONTRACTOR
MC	MECHANICAL CONTRACTOR
TCC	TEMPERATURE CONTROL CONTRACTOR

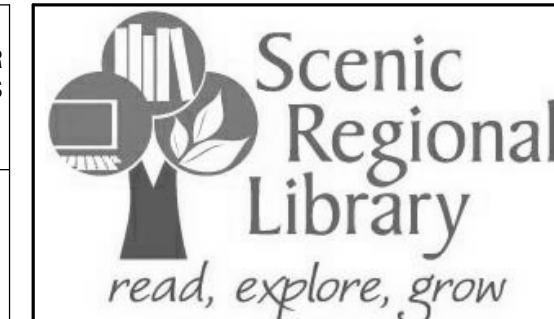
MISCELLANEOUS SYMBOLS



AIR DEVICE TYPE:
 T - TRANSFER GRILLE
 R - RETURN GRILLE
 E - EXHAUST GRILLE

DUCT SYSTEM TYPE:
 SA - SUPPLY AIR
 RA - RETURN AIR
 EA - EXHAUST AIR
 TA - TRANSFER AIR
 OA - OUTDOOR AIR

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



SCENIC REGIONAL LIBRARY
 WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7409
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-5889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

PRELIMINARY
 NOT FOR CONSTRUCTION

DAVID E. LAUVER
 MO. LICENSE NO. 2007002812
 BRIC MO CERTIFICATE OF
 AUTHORITY 2000028690

No.	Date	Description
	04/14/17	ISSUED FOR BID

Number	Name
100	CIRCULATION
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH/ ELEC
420	BOOK DROP

DRAWN BY: **DEV**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
FLOOR PLAN - FIRST FLOOR - MECHANICAL

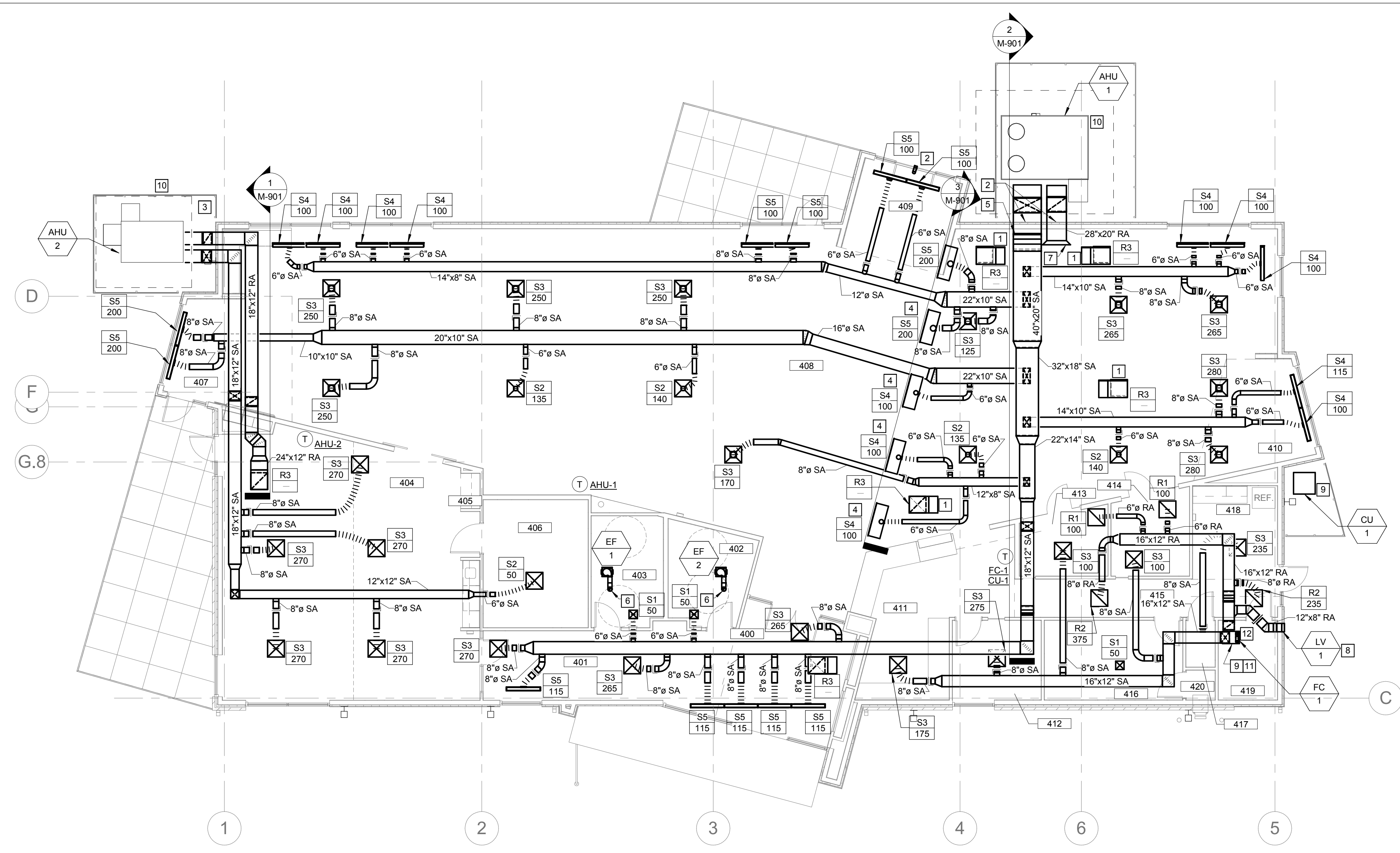
M-201

GENERAL NOTES

1 SEE SHEET M-001 FOR GENERAL NOTES THAT APPLY TO THIS SHEET.

KEYED NOTES

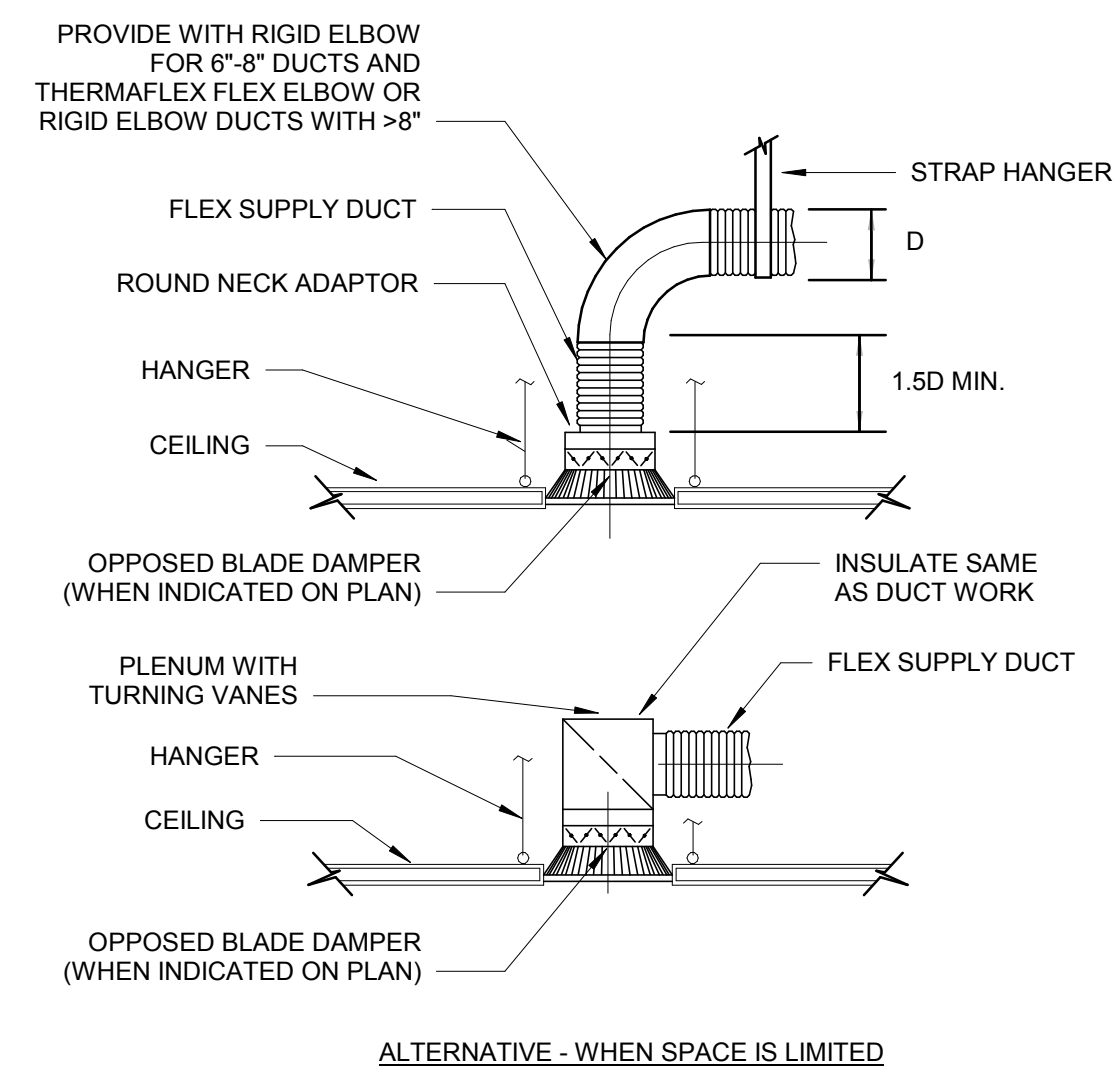
- 1 PROVIDE RETURN AIR BOOT. SEE DETAIL FOR ADDITIONAL REQUIREMENTS.
- 2 ROUTE SUPPLY AND RETURN DUCTWORK UP EXTERIOR WALL. PENETRATE THROUGH WALL WITH BOTTOM OF DUCT AT 4'-8" AFF. PROVIDE DRAINABLE ALUMINUM JACKET OVER INSULATION.
- 3 ROUTE SUPPLY AND RETURN DUCTWORK UP EXTERIOR WALL. PENETRATE THROUGH WALL WITH BOTTOM OF DUCT AT 15'-1" AFF. PROVIDE DRAINABLE ALUMINUM JACKET OVER INSULATION.
- 4 MOUNT SLOT DIFFUSER TO SIDEWALL OF SOFFIT. SEE SECTION FOR MOUNTING HEIGHTS.
- 5 SLOPE DUCT WITH ROOF. SEE SECTION FOR FURTHER DETAILS.
- 6 8" Ø EXHAUST DUCT UP THROUGH ROOF. TERMINATE WITH GOOSENECK. SEE DETAILS FOR FURTHER REQUIREMENTS.
- 7 PROVIDE 45°, 6" LONG BELL MOUTH FITTING AT INLET OF RETURN AIR DUCT.
- 8 TRANSITION DUCT AS REQUIRED TO CONNECT TO LOUVER. TOP OF DUCT SHALL BE FLUSH WITH TOP OF LOUVER. SLOPE BOTTOM OF DUCT DOWN TOWARDS LOUVER. TRANSITION SHALL BE A MINIMUM OF 12" LONG.
- 9 CONTRACTOR SHALL FIELD ROUTE REFRIGERANT PIPING BETWEEN FC-1 AND CU-3. REFRIGERANT PIPING SHALL BE ROUTED ON INTERIOR OF BUILDING UNTIL PENETRATION IS WITHIN FENCED IN REGION. ALL PIPING INSULATION SHALL BE PROVIDED WITH PAINTABLE ALUMINUM JACKETS.
- 10 ROUTE CONDENSATE PIPING TO FRENCH DRAIN. LOCATE FRENCH DRAIN A MINIMUM OF 2'-0" AWAY FROM SLAB EDGE. PROVIDE SUPPORTS FOR CONDENSATE PIPING AT A MINIMUM OF 5'-0" INTERVALS. DRAIN PIPING SHALL BE COPPER.
- 11 ROUTE CONDENSATE DRAIN PIPING TO FLOOR DRAIN IN ROOM. DRAIN PIPING SHALL BE COPPER.
- 12 4" Ø FLUE UP FROM FC-1 THROUGH ROOF.



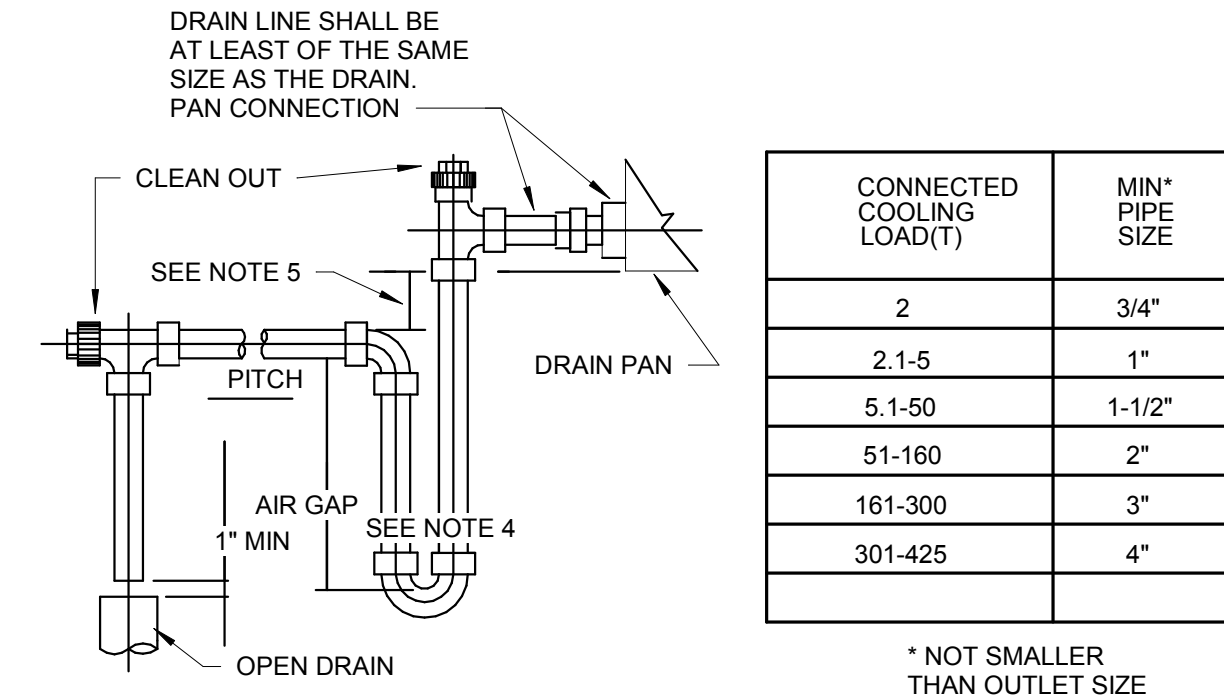
1 FLOOR PLAN - FIRST FLOOR - MECHANICAL
 M-201 1/8" = 1'-0"

ROOM SCHEDULE

Number	Name
100	CIRCULATION
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH/ ELEC
420	BOOK DROP

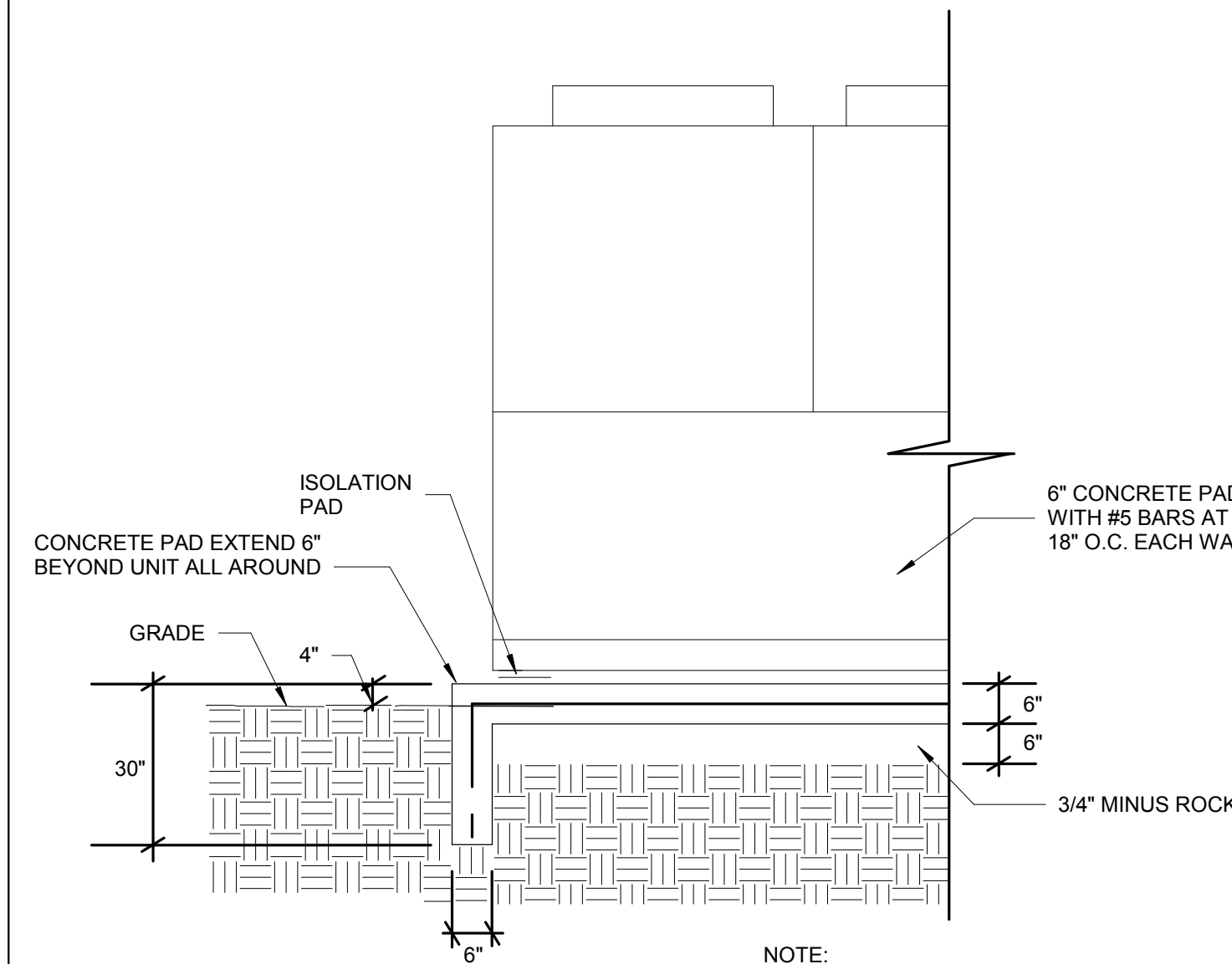


1 CEILING DIFFUSER TAKE-OFFS
M-801 N.T.S.



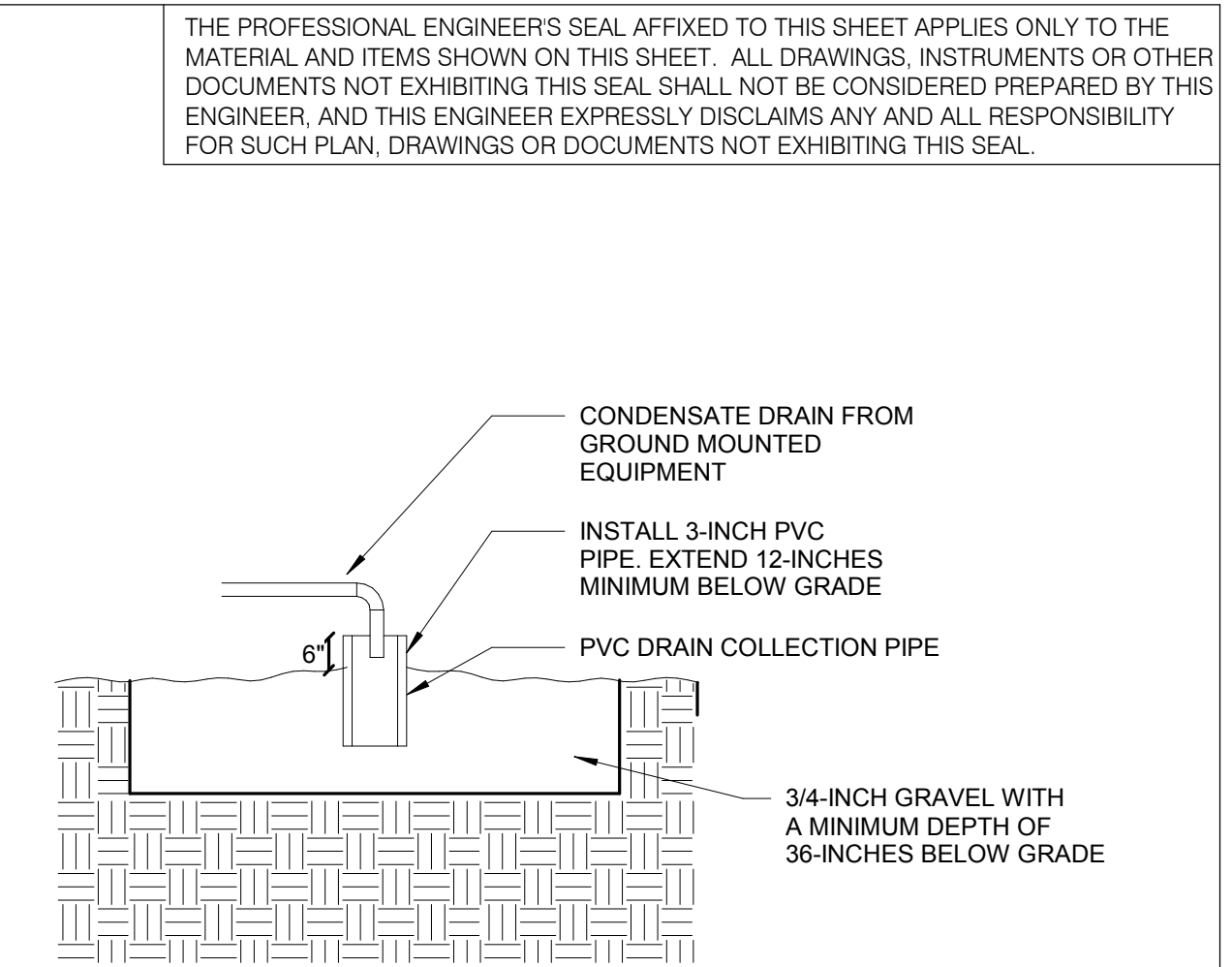
NOTES:
1. MANUALLY PRIME TRAP BEFORE START UP.
2. SUPPORT DRAIN LINES TO PREVENT SAG.
3. ALLOW SUFFICIENT SPACE BELOW PAN FOR TRAP AND PITCH TO DRAIN.
4. 6" FOR DRAW THRU & 4" FOR BLOW THRU UNITS
5. 1" TO 4" FOR DRAW THRU UNITS ONLY.

2 CONDENSATE DRAIN TRAP
M-801 N.T.S.



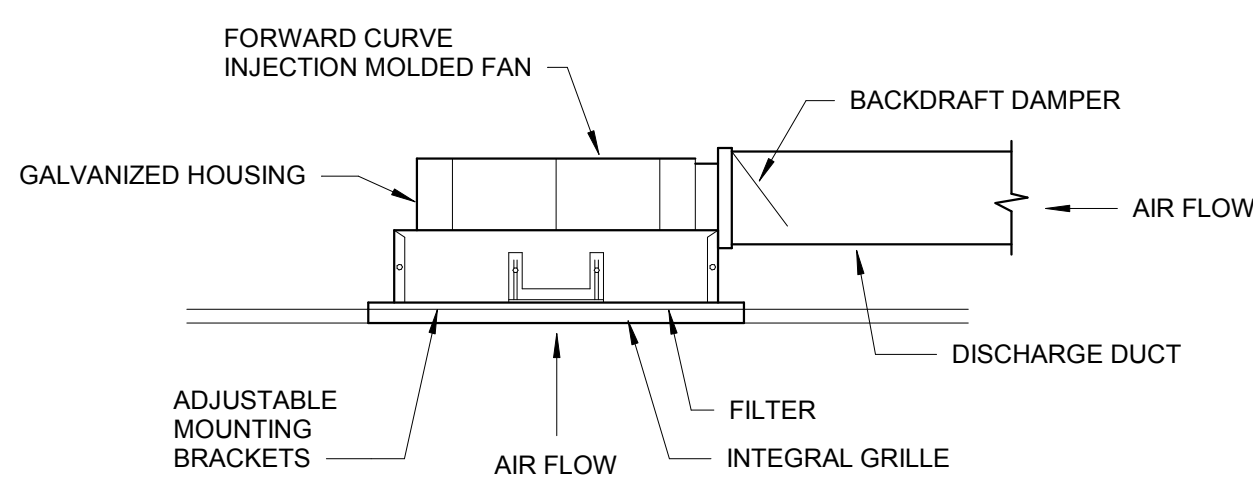
NOTE:
DETAIL APPLIES TO ALL GRADE MOUNTED EQUIPMENT WHERE PAD IS NOT DETAILED ON STRUCTURAL, ARCHITECTURAL, OR CIVIL DRAWINGS.

3 GRADE MOUNTED EQUIPMENT
M-801 N.T.S.

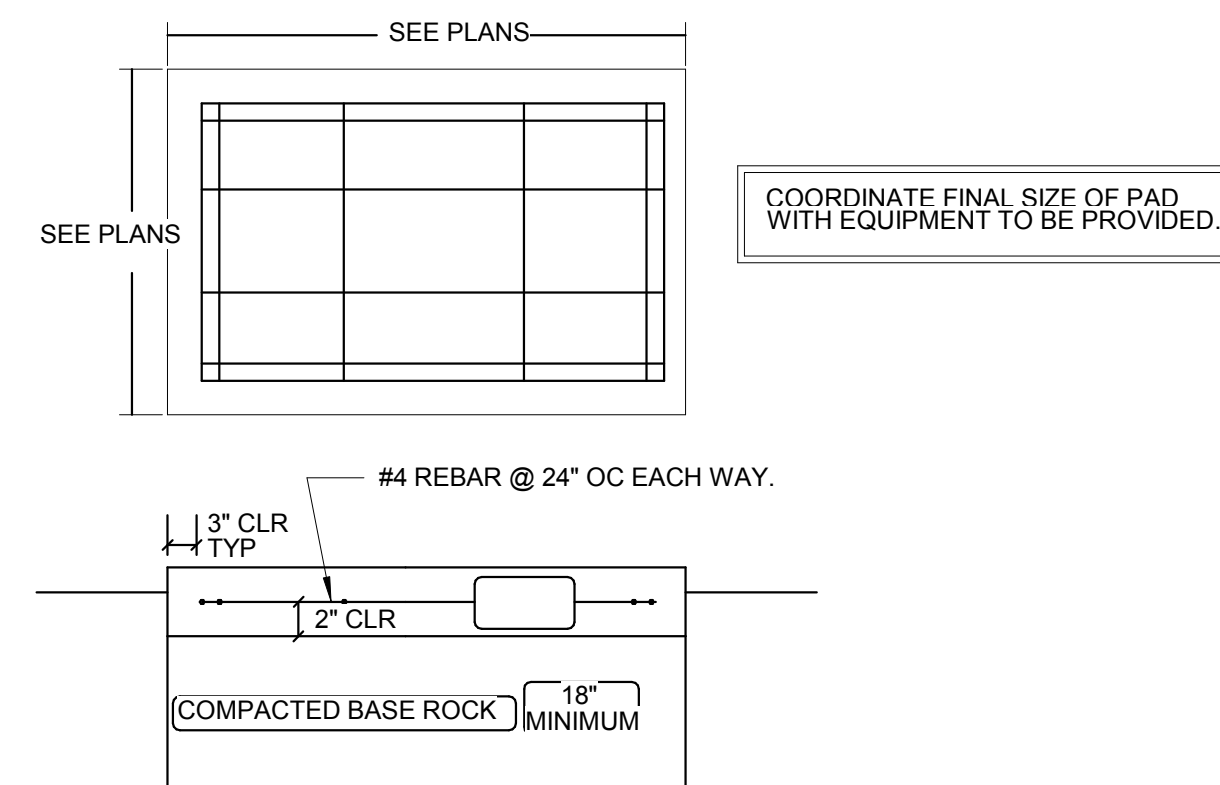


NOTES:
1. FRENCH DRAIN SHALL HAVE PLAN DIMENSIONS OF 24"x24".

4 FRENCH DRAIN DETAIL
M-801 N.T.S.

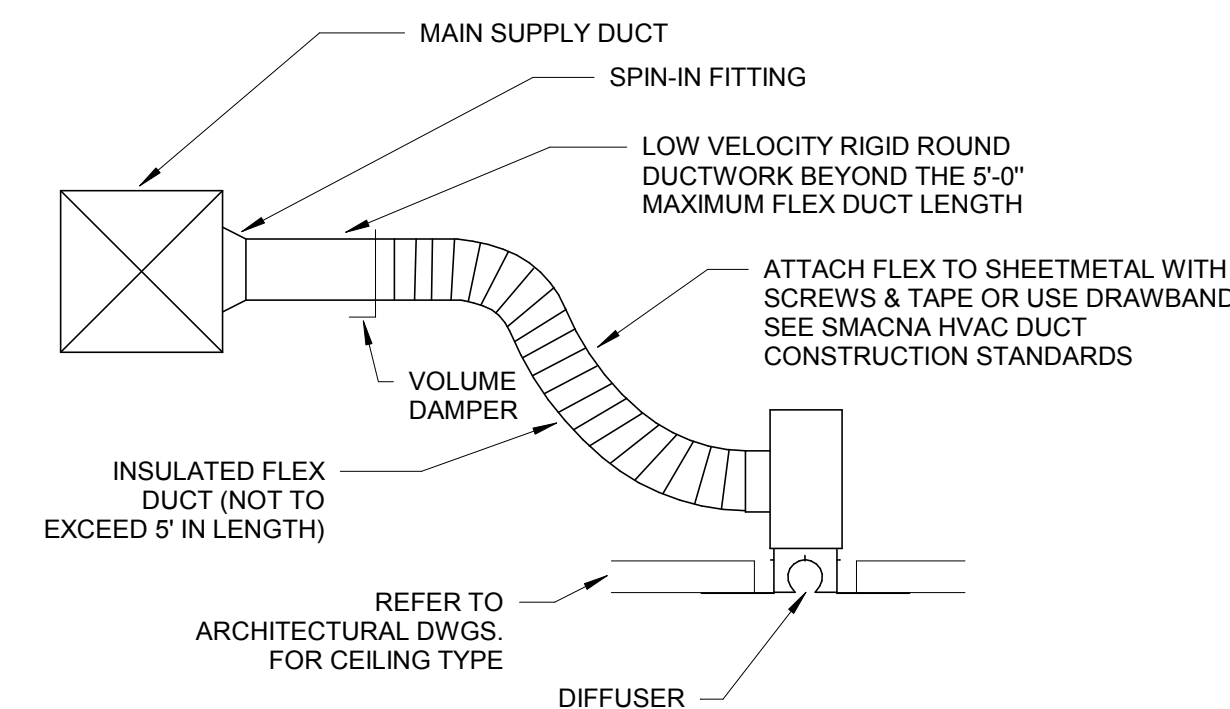


5 CEILING MOUNTED EXHAUST FAN DETAIL
M-801 N.T.S.

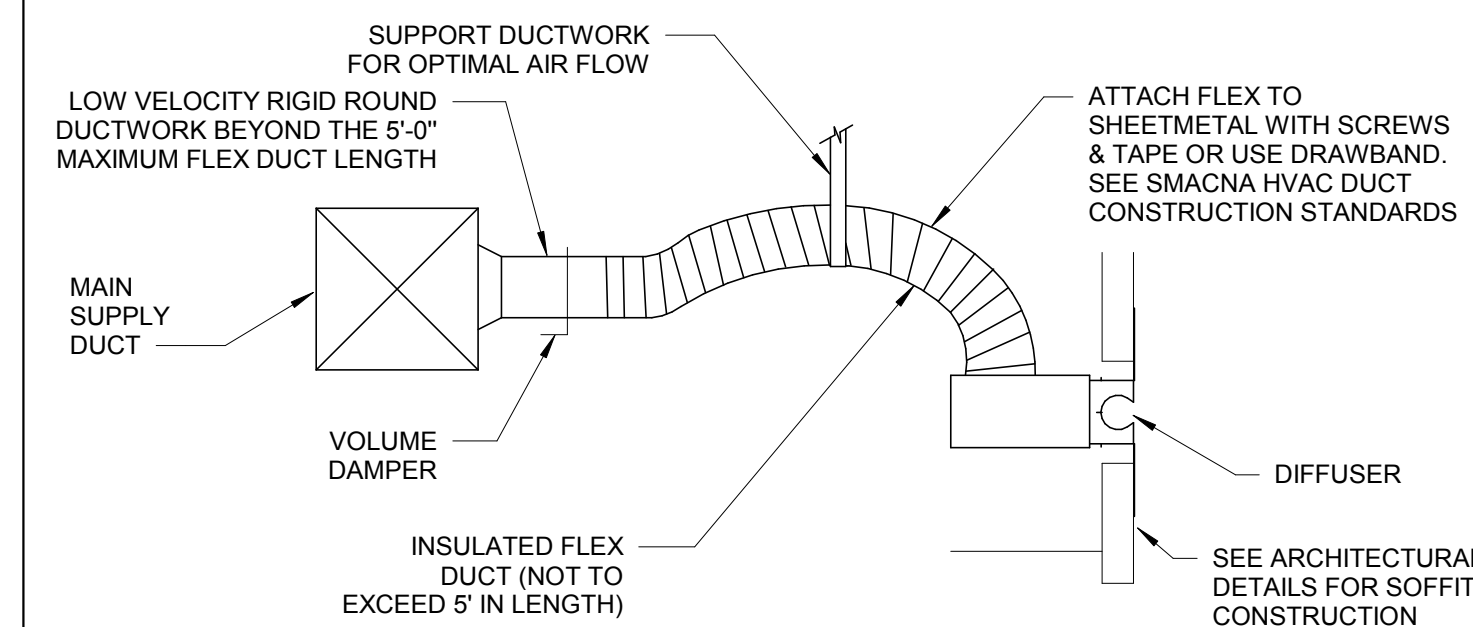


NOTES:
1. CONCRETE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI CODE AND AIR ENTRAINED, IT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. THE SAND AND GRAVEL ARE TO BE CLEAN AND HARD. THE AIR ENTRAINMENT SHALL BE 4 TO 7% BY VOLUME. THE MIX SHALL HAVE 5 BAGS OF PORTLAND CEMENT TYPE-1 PER CUBIC YARD OF CONCRETE.
2. PAD SHALL BE POURED MONOLITHICALLY, WITH NO COLD JOINTS.
3. HONEY COMBING OR POT MARKS IN THE FACE OF THE SLAB ARE NOT ACCEPTABLE. IF THIS OCCURS, THE CONTRACTOR MAY BE REQUIRED TO REPLACE THE CONDENSING UNIT PAD AT THE A/E'S OPTION.
4. NO FOOTING IS TO BE EXCAVATED WITHOUT HAVING REINFORCING AND CONCRETE READY TO PLACE WITHIN THAT WORKING DAY.
5. IN THE EVENT THAT ORGANIC SOIL IS FOUND BELOW FOOTING, THE SOIL SHALL BE REMOVED AND REPLACED WITH COMPACTED BASE ROCK.
6. ALL REINFORCING BARS SHALL BE DEFORMED #4 BILLET STEEL CONFORMING TO ASTM A615, GRADE 60. BARS SHALL BE FREE OF ANY GREASE, RUST OR SCALE AT THE TIME OF PLACEMENT. TIE ALL STEEL AT INTERSECTIONS. SPACING SHALL NOT EXCEED 24" ON CENTERS.
7. TOP SURFACES OF CONCRETE SHALL HAVE A STEEL TROWEL FINISH.

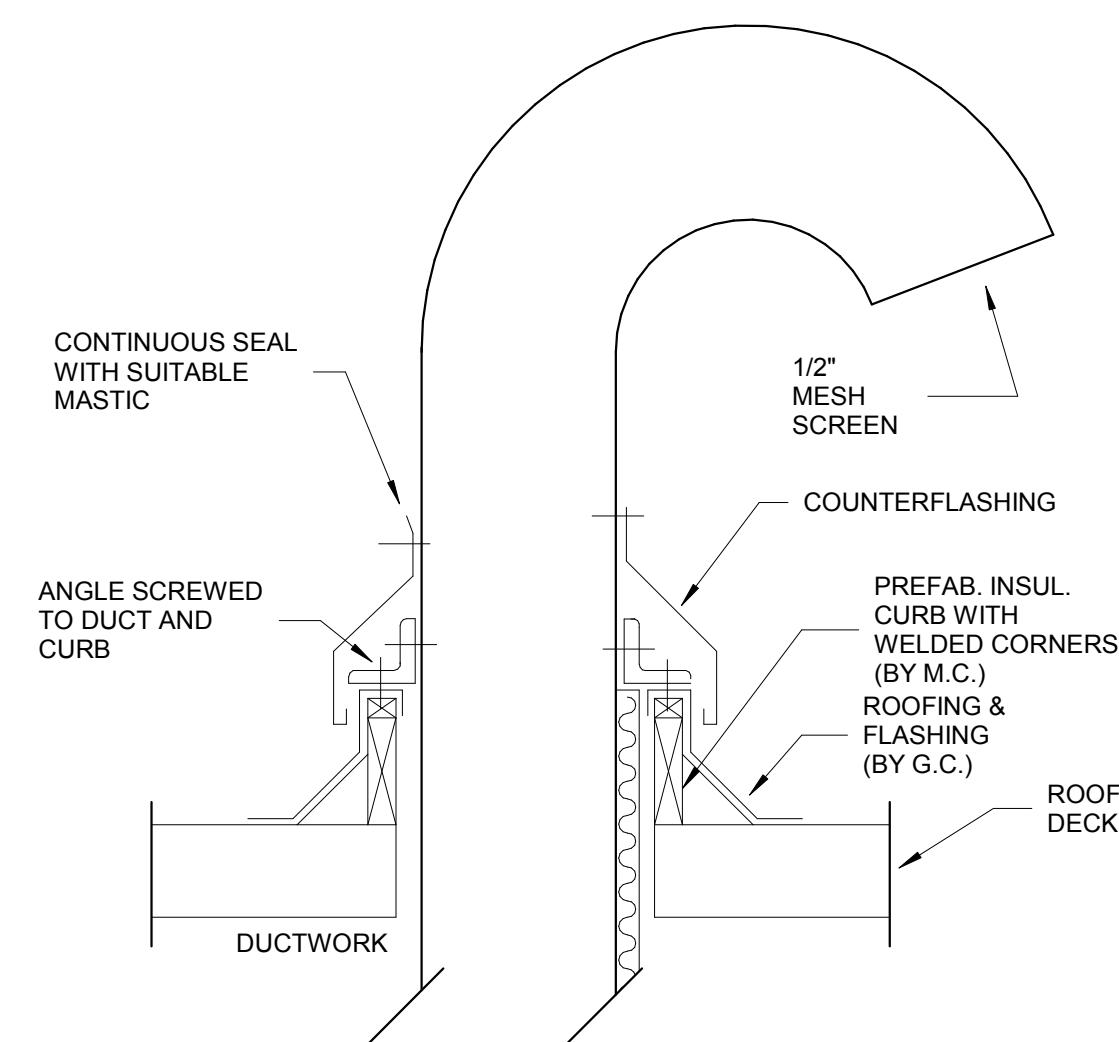
6 EQUIPMENT PAD DETAIL
M-801 N.T.S.



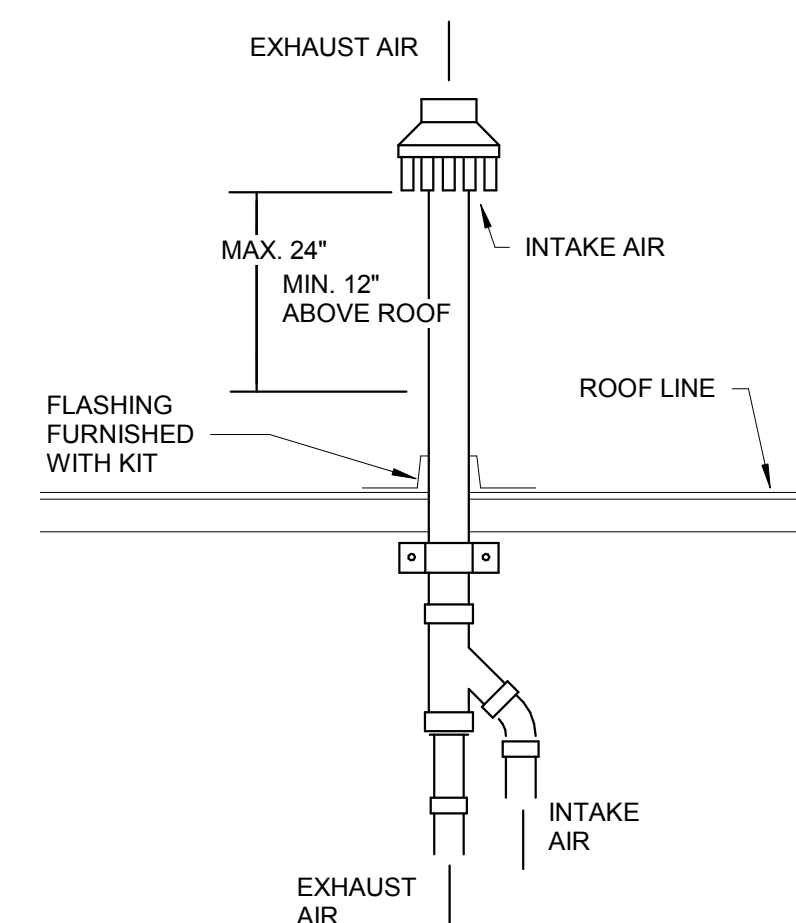
7 DIFFUSER DETAIL
M-801 N.T.S.



8 SIDEWALL DIFFUSER DETAIL
M-801 N.T.S.

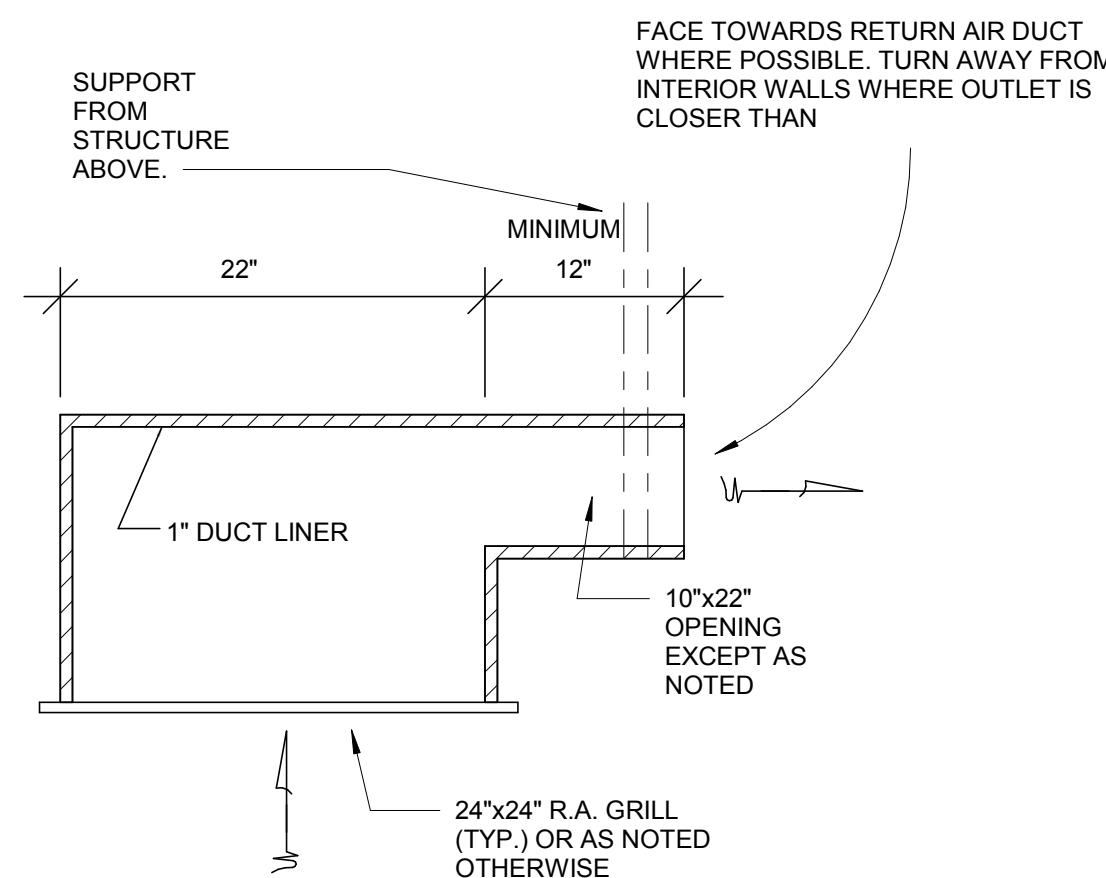


9 GOOSENECK THROUGH ROOF DETAIL
M-801 N.T.S.



NOTES:
1. INSULATE PIPING AS REQUIRED IN SPECIFICATION.
2. SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS PERTAINING TO COMBUSTION AIR AND VENT PIPING.

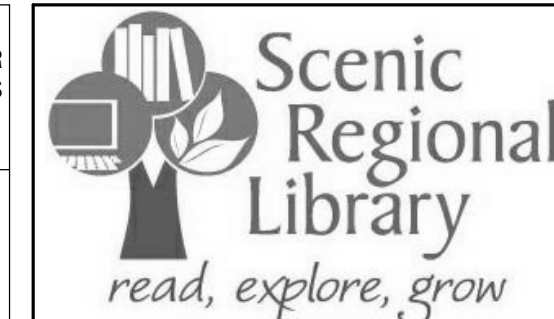
10 FURNACE CONCENTRIC ROOF ADAPTER TERMINATION DETAIL
M-801 N.T.S.



11 RETURN AIR BOOT
M-801 N.T.S.

No.	Date	Description
	04/14/17	ISSUED FOR BID

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



SCENIC REGIONAL LIBRARY
 WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL ELECTRICAL PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-9889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

PRELIMINARY
 NOT FOR CONSTRUCTION

DAVID E. LAUVER
 MO. LICENSE NO. 2007002812
 BRIC MO CERTIFICATE OF
 AUTHORITY 2002028690

No.	Date	Description
	04/12/17	ISSUED FOR BID

DRAWN BY: **AMK**

PROJECT NUMBER: **16-1161.03**

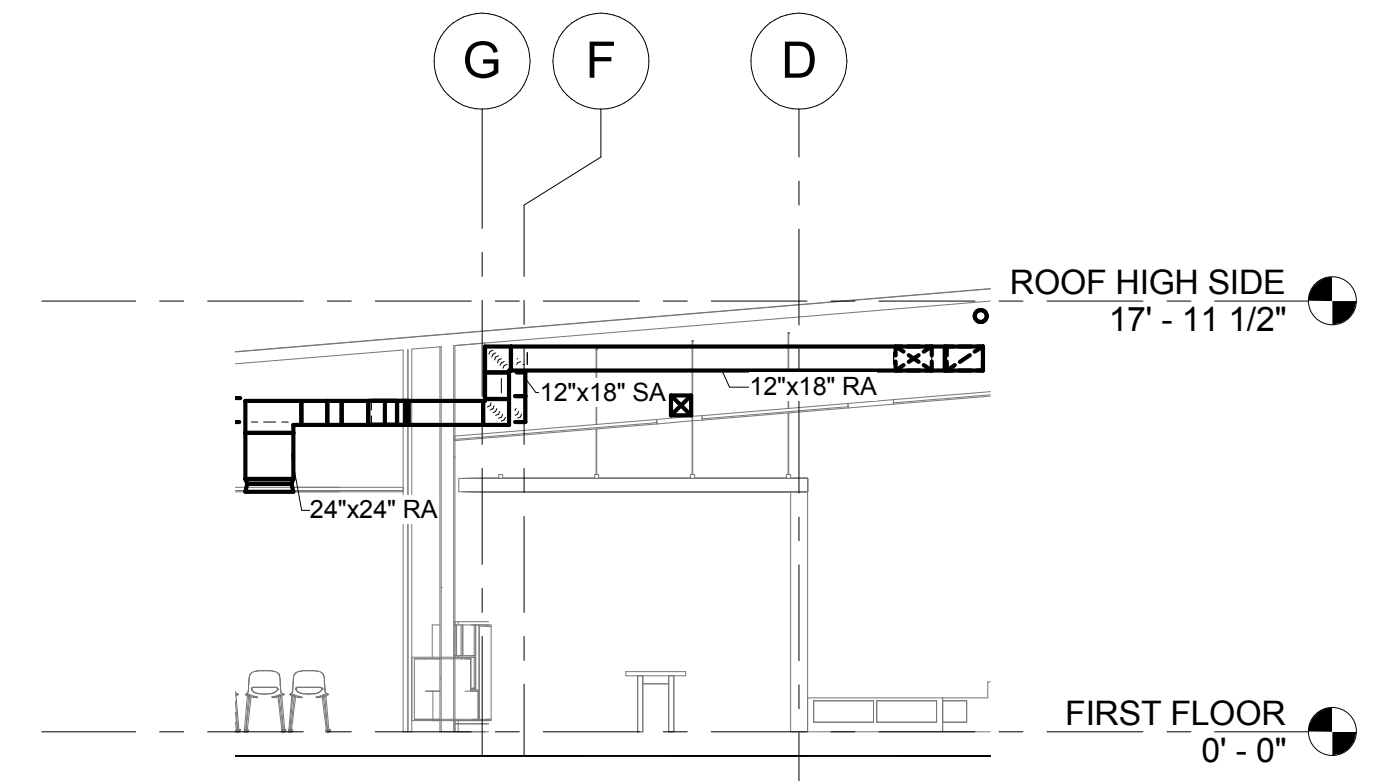
SHEET TITLE:
SCHEDULES & SECTIONS - MECHANICAL

M-901

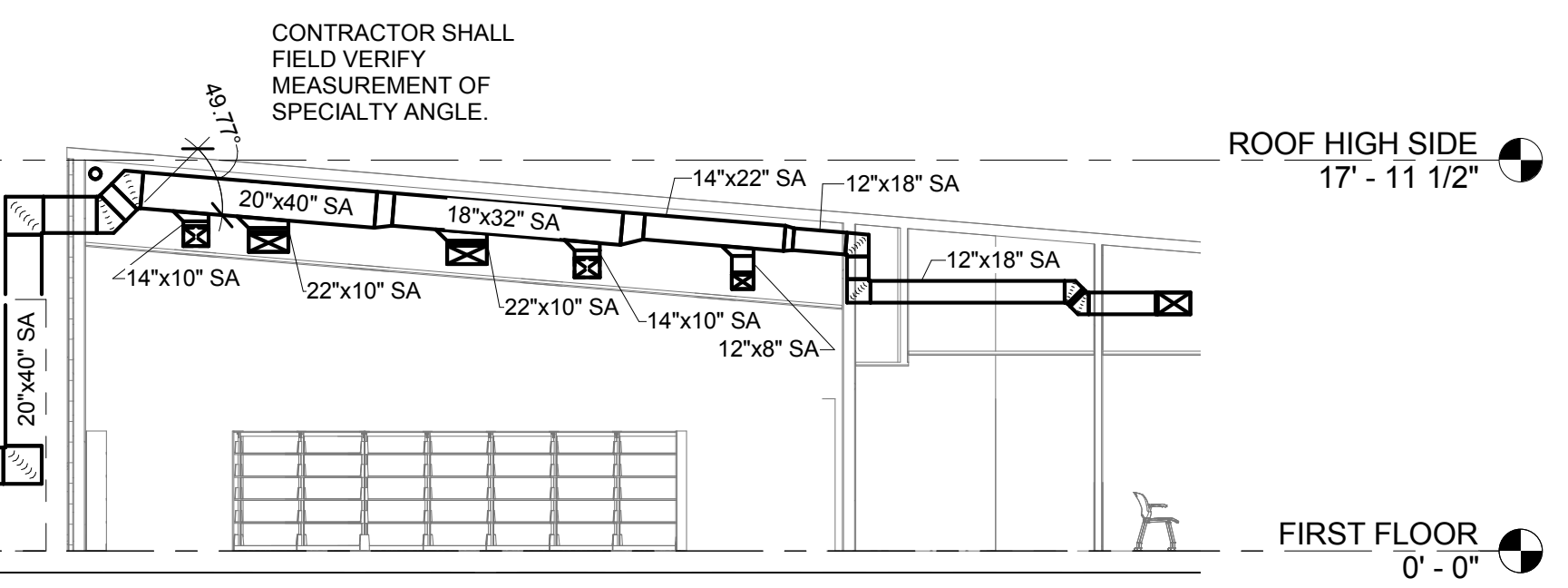
PACKAGED AIR HANDLING UNIT

PLAN MARK	MANUFACTURER	MODEL	SUPPLY AIRFLOW CFM	MINIMUM OUTSIDE AIR FLOW CFM	MINIMUM HEATING CFM	EXTERNAL STATIC PRESSURE (IN. WG)	COOLING PERFORMANCE					HEATING PERFORMANCE				REFRIGERANT USED	OPERATING WEIGHT (LBS)	NOTES	
							EDB (F°)	EWB (F°)	AMBIENT (F°)	LDB (F°)	DWB (F°)	TOTAL CAPACITY (MBh)	EDB	LDB	INPUT CAP. (MBh)				OUTPUT CAP. (MBh)
AHU1	JOHNSON CONTROLS	ZST15N30	6580	1085	2500	1.00	76	65	95	57	56	160.7	40	74	300.0	240.0	R-410A	2100	1, 2, 3
AHU2	JOHNSON CONTROLS	ZVTA4N06	1400	510	700	1.00	80	67	95	57	55	48.9	40	72	60.0	49.0	R-410A	1055	1, 2, 3

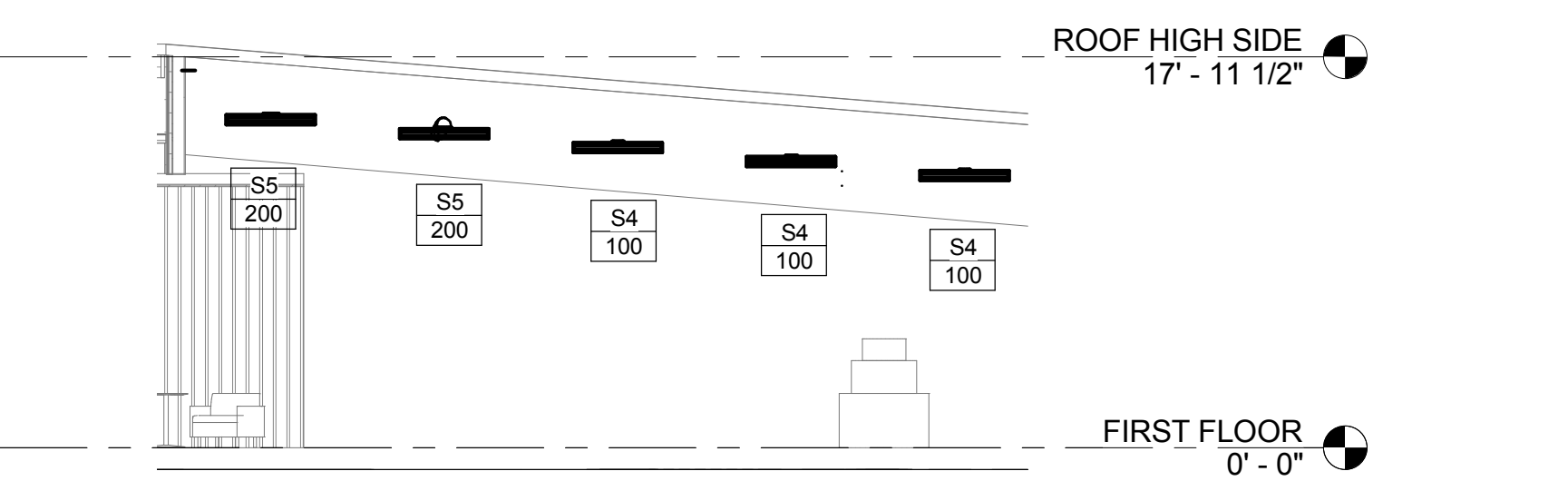
- NOTES:
 1. SEE SHEET E-901 FOR ELECTRICAL REQUIREMENTS.
 2. HEATING PERFORMANCE BASED ON FULL FLOW AND MINIMUM OUTSIDE AIRFLOW.
 3. PROVIDE WITH INTEGRAL CONTROLS TO PROVIDE SINGLE ZONE VAV FAN OPERATION AS DEFINED BY ASHRAE 90.1 SECTION 6.4.3.10 TO MAINTAIN SPACE TEMPERATURE AND SPACE CO2 SET POINT. SPACE SENSOR SHALL BE 7 DAY PROGRAMMABLE TYPE WITH PASSWORD PROTECTION.
 4. PROVIDE STAINLESS STEEL OR COMPOSITE DRAIN PAIN TO MEET ASHRAE 62.1.
 5. PROVIDE WITH 14" SEISMIC CURB FOR GRADE MOUNTING OF UNIT.
 6. PROVIDE WITH 100% ECONOMIZER WITH POWER EXHAUST AND BAROMETRIC RELIEF KIT.
 7. UNIT SHALL BE CONFIGURED FOR HORIZONTAL SUPPLY AND RETURN.
 8. PROVIDE WITH SINGLE POINT POWER CONNECTION, DISCONNECT SWITCH, AND CONVENIENCE OUTLET.
 9. PROVIDE WITH STAINLESS STEEL OR ALUMINIZED STEEL BURNER.



1 AHU-2 DUCTWORK THROUGH 408 CIRCULATION
 1/8" = 1'-0"



2 AHU-1 DUCTWORK THROUGH 408 CIRCULATION
 1/8" = 1'-0"



3 SIDEWALL DIFFUSERS IN CIRCULATION 408
 1/8" = 1'-0"

FURNACE SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	SUPPLY FAN			D-X CIRCUITING				GAS HEATING COIL		LAT (°F)	WEIGHT (LBS.)	NOTES			
			SUPPLY CFM	OUTSIDE AIR CFM	MOTOR H.P.	CAP. MBH		EAT		MBH INPUT	MBH OUTPUT						
FC1	GUARDIAN	RGF19060	1200	120	0.5	TOTAL 34.2	SENS. 22.9	DB (°F) 80	WB (°F) 67	DB (°F) 62.3	WB (°F) 58.1	60	57	60	104	122	1

- NOTES:
 1. SEE SHEET E-901 FOR ELECTRICAL REQUIREMENTS.

CONDENSING UNIT SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	ASSOCIATED INDOOR UNIT	COOLING CAPACITY (MBh)	REFRIGERANT TYPE	UNIT WEIGHT (LBS)	NOTES
CU1	GUARDIAN	RAC	FC-1	36.0	R410A	160.00	1

- NOTES:
 1. SEE SHEET E-901 FOR ELECTRICAL REQUIREMENTS.

AIR DEVICE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL	STYLE	CONNECTION SIZE	FACE		MAXIMUM AIRFLOW (CFM)	THROW (FT)	MAX NC LEVEL	AIR TERMINAL STATIC PRESSURE (IN-WG)	MATERIAL	FINISH	MOUNTING TYPE	NOTES
					LENGTH	WIDTH								
S1	TITUS	OMNI	SQUARE PLAQUE	6"ø	12"	12"	100	8	30	0.10	STEEL	BWE	SURFACE MOUNT	1
S2	TITUS	OMNI	SQUARE PLAQUE	6"ø	24"	24"	160	7	30	0.10	STEEL	BWE	LAY-IN	1
S3	TITUS	OMNI	SQUARE PLAQUE	8"ø	24"	24"	300	12	30	0.10	STEEL	BWE	LAY-IN	1
S4	TITUS	FL-10	ONE 1" SLOT HIGHTHROW	6"ø	48"	3 3/4"	150	16	20	0.10	STEEL	BWE	LAY-IN OR SURFACE MOUNT	1
S5	TITUS	FL-10	TWO 1" SLOT HIGHTHROW	8"ø	48"	5 5/16"	300	25	30	0.10	STEEL	BWE	LAY-IN OR SURFACE MOUNT	1
R1	TITUS	350RL	GRILL	6"ø	24"	24"	160	-	30	0.10	STEEL	BWE	LAY-IN	1
R2	TITUS	350RL	GRILL	8"ø	24"	24"	280	-	30	0.10	STEEL	BWE	LAY-IN	1
R3	TITUS	350RL	GRILL	22"x22"	24"	24"	1500	-	30	0.10	STEEL	BWE	LAY-IN	1

- NOTES:
 1. PROVIDE WITH EARTHQUAKE TABS.

LOUVER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	CFM	DIMENSIONS	FREE AREA (%)	MAX P.D. IN W.C.	MATERIAL	NOTES
LV1	RUSKIN	ELF6375DX	120	12"x12"	57	0.10	ALUMINUM	1,2

- NOTES:
 1. COLOR TO BE SELECTED BY ARCHITECT.
 2. STYLE: CONTINUOUS DRAINABLE STATIONARY LOUVER, EXTENDED ALUMINUM.

EXHAUST FAN SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (IN-WC)	FAN RPM	INLET SONES	MOTOR POWER WATTS	NOTES
EF1	LOREN COOK	GC-162	150	0.12	1200	3.4	98	1
EF2	LOREN COOK	GC-162	150	0.12	1200	3.4	98	1

- NOTES:
 1. SEE SHEET E-901 FOR ELECTRICAL REQUIREMENTS.

PLUMBING GENERAL NOTES - PLUMBING SHEETS ONLY

- PIPING DRAWINGS ARE TO BE CONSIDERED SCHEMATIC AND ARE NOT INTENDED TO INDICATE ALL CHANGES IN DIRECTION. ALL NECESSARY FITTINGS TO BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. PIPE AND FITTINGS MUST BE INSTALLED SO THAT ALL PIPE AND/OR INSULATION COMPLETELY CLEARS ALL NEARBY STRUCTURES, PIPING AND ITEMS BY OTHER CONTRACTORS.
- CONTRACTOR SHALL VERIFY EXACT LOCATION, CONDITION, ELEVATION AND SIZES OF UTILITIES AT SITE BEFORE PROCEEDING WITH WORK.
- PLUMBING CONTRACTOR TO COORDINATE THE INSTALLATION OF ALL PIPING, VALVES, AND EQUIPMENT WITH GENERAL CONTRACTOR AND RELATED STRUCTURAL, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION CONTRACTORS.
- ALL FIXTURES AND PIPING SHALL BE SIZED, VENTED, TRAPPED AND INSTALLED IN ACCORDANCE WITH INTERNATIONAL PLUMBING CODE 2003 EDITION AND INTERNATIONAL BUILDING CODE 2003 EDITION.
- CONTRACTOR SHALL PROTECT ALL ADJACENT AREAS DURING ALL PHASES OF CONSTRUCTION.
- ANY HOLES LEFT IN WALL CONSTRUCTION DUE TO WORK SHALL BE PATCHED AND PAINTED BY THIS CONTRACTOR TO MATCH CONSTRUCTED CONDITIONS. COORDINATE FINISH AND MATERIALS WITH ARCHITECT.
- PLUMBING CONTRACTOR TO FURNISH AND INSTALL SUPPLY STOP SHUT-OFF VALVES ON ALL FIXTURE WATER SUPPLY LINES. FURNISH AND INSTALL WATER HAMMER ARRESTORS AS INDICATED ON PLANS. INSTALL VALVES IN ACCESSIBLE LOCATION. IF LOCATION IS NOT READILY ACCESSIBLE, COORDINATE ACCESS PANEL REQUIREMENTS WITH GENERAL CONTRACTOR.
- PLUMBING CONTRACTOR TO FURNISH AND INSTALL SHUT-OFF VALVES AND ACCESS PANELS AT THE BASE OF ALL WATER SUPPLY PIPING RISERS.
- PLUMBING CONTRACTOR TO PROVIDE CLEANOUT AT THE BASE OR NO MORE THAN 4 FT ABOVE FLOOR OF ALL WASTE, AND SANITARY STACKS.
- PLUMBING CONTRACTOR SHALL VERIFY THAT ALL VALVES IN THE COLD AND HOT WATER SUPPLY PIPING ARE IN THE FULLY OPEN POSITION. CONTRACTOR TO VERIFY ALL BALANCING VALVES ON HOT WATER CIRCULATING PIPING ARE OPEN AND ADJUSTED AS NOTED TO ASSURE PROPER CIRCULATION.
- PLUMBING CONTRACTOR TO FURNISH AND INSTALL EQUIPMENT DRAINS FOR ALL APPLIANCES (AIR HANDLERS, WATER HEATERS, KITCHEN EQUIPMENT, ETC.) AND ROUTE TO THE NEAREST FLOOR DRAIN. PROVIDE INDIRECT CONNECTION AT DRAIN AS REQUIRED. FINAL CONNECTION TO EQUIPMENT SHOULD BE MADE BY CONTRACTOR PROVIDING EQUIPMENT UNLESS OTHERWISE NOTED.
- WATER TEMPERATURE SETTING FOR WATER HEATER AND THERMOSTATIC MIXING VALVES SHALL BE AS FOLLOWS:
WATER HEATER - 140 DEG F
THERMOSTATIC MIXING VALVE - 110 DEG F
- ALL PIPING SHALL BE CONCEALED IN CHASE, WALLS, CEILING, FLOORING, ETC. UNLESS OTHERWISE NOTED. PIPING SHOWN OUTSIDE OF WALL FOR CLARITY ONLY.
- REFER TO PLUMBING FIXTURE SCHEDULE FOR WASTE, VENT AND SUPPLY SIZES TO INDIVIDUAL FIXTURES.
- EQUIPMENT AND FIXTURE SYMBOLOGY MAY NOT REFLECT ACTUAL TYPE. REFER TO SPECIFICATIONS AND SCHEDULES FOR FIXTURE OR EQUIPMENT TYPE.
- FIRE CAULK ALL PIPING PENETRATIONS THROUGH FIRE RATED PARTITIONS TO MAINTAIN FIRE RATING OF PARTITION. CONTRACTOR TO FIRESTOP ALL PENETRATIONS THROUGH FIRE-RATED FLOORS AND WALLS CREATED BY NEW WORK WITH "SPECSEAL SSS" OR EQUAL.
- PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL CONCRETE EQUIPMENT PAD FOR ALL EQUIPMENT SUPPLIED BY THIS CONTRACTOR. PAD SHOULD BE A MINIMUM OF 4" THICK.
- ALL ITEMS INCLUDED ON THESE DRAWINGS AND THE SPECIFICATIONS SHALL BE INCLUDED IN THE CONTRACTOR'S BID. ANY ITEMS THAT ARE UNCLEAR OR FOUND TO BE INCORRECT BY THE CONTRACTOR SHALL BE BROUGHT, IN WRITING, TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO THE BID DUE DATE.
- CAULK ALL PIPING PENETRATIONS THROUGH WALLS TO MINIMIZE SOUND PENETRATION THROUGH WALLS.
- INVERT ELEVATIONS ARE BASED ON FIRST FLOOR LEVEL BEING SET AT 100'-0".
- LOCATIONS OF ROOF DRAINS, FLOOR DRAINS, FLOOR SINKS, TRENCH DRAINS, ETC. INDICATED ON THESE DRAWINGS ARE CONSIDERED APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF FINAL AND EXACT LOCATIONS WITH ALL OTHER TRADES AND EQUIPMENT SUPPLIERS PRIOR TO INSTALLATION. DRAINS, ETC., NOT CORRECTLY LOCATED AS DETERMINED BY THE ARCHITECT/ENGINEER/OWNER SHALL BE REMOVED AND RELOCATED AT THIS CONTRACTOR'S EXPENSE.
- ALL VTR'S SHALL BE LOCATED A MINIMUM OF 12'-0" FROM AIR INTAKES ON MECHANICAL ROOFTOP EQUIPMENT. COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION.
- AREA ABOVE CEILINGS SERVE AS A RETURN AIR PLENUM. ALL MATERIALS EXPOSED IN THE PLENUM SHALL HAVE A 25/50 SMOKE/FLAME SPREAD RATING. NO PVC PIPING ALLOWED ABOVE CEILING. ALL SANITARY AND VENT PIPING TO BE CAST IRON ABOVE CEILING. ALL GAS PIPING ABOVE CEILING TO BE STEEL WITH WELDED JOINTS. ALL POLYPROPYLENE WATER PIPING ABOVE CEILING SHALL BE WRAPPED TO ACHIEVE 25/50 SMOKE/FLAME SPREAD RATING.
- MAKE ALL FINAL PLUMBING CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT SHOWN ON PLANS.
- EXCAVATION, BEDDING AND BACKFILL ASSOCIATED WITH BELOW SLAB PIPING INSTALLATION SHALL BE CONSIDERED PART OF THE PLUMBING CONTRACTOR'S WORK.
- STARTING ELEVATION FOR SANITARY SEWER PIPING TO BE NOT LESS THAN 1'-6" BELOW FINISHED FLOOR UNLESS NOTED OTHERWISE.
- ALL PLUMBING PIPING IN FINISHED ROOMS, OPEN TO STRUCTURE SHALL BE PAINTED TO MATCH STRUCTURE. DOMESTIC WATER PIPING SHALL BE PAINTED WITH PAINT THAT HAS ELASTOMERIC PROPERTIES, SUITABLE FOR PAINTING PLASTIC MATERIALS. FOLLOW PAINT MANUFACTURER'S INSTRUCTIONS FOR PIPE SURFACE PREPARATION AND PAINT APPLICATION.

PLUMBING FIXTURE SCHEDULE (BASIS OF DESIGN)

MARK	DESCRIPTION	MANUFACTURER	MODEL NUMBER	WASTE	VENT	COLD WATER	HOT WATER	NOTES
WC-1	WATER CLOSET, FLOOR MOUNT	KOHLER	K-4405	4"	2"	-	-	ADA COMPLIANT, FLOOR MOUNT, FLOOR DISCHARGE
	FLUSH VALVE	SLOAN	WES-111-W	-	-	1-1/4"	-	1.1 TO 1.6 gpf DUAL FLUSH MANUAL FLUSHOMETER
LA-1	LAVATORY (WALL HUNG)	KOHLER	K-2005	1-1/2"	1-1/2"	-	-	WALL HUNG, ADA COMPLIANT, PROVIDE CARRIER
	FAUCET	CHICAGO FAUCETS	895-317CP	-	-	1/2"	1/2"	ADA COMPLIANT LEVER HANDLES
SK-1	SINK	ELKAY	LR1919	1-1/2"	1-1/2"	-	-	SINGLE BASIN, SS SINK
	FAUCET	CHICAGO FAUCETS	895-317GN8AE29VPCP	-	-	1/2"	1/2"	2.2 GPM, WRIST BLADE PADDLES, 8" GOOSENECK
WH-1	HOSE BIBB	WOODFORD	24	-	-	1/2"	-	INTERIOR, ANTI-SIPHON WALL HYDRANT
OB-1	OUTLET BOX	OATEY	39140	-	-	1/2"	-	
TMV-1	THERMOSTATIC MIXING VALVE	LEONARD	TM-420 B-LF-DT	-	-	3/4"	3/4"	SET TO 110 DEGREE OUTLET TEMP.
MSB-1	MOP SINK BASIN	FIAT	TSB3003	2"	1-1/2"	-	-	24" X 36" FLOOR SET, SS CAPS
	MOP SINK FAUCET	FIAT	830-AA	-	-	1/2"	1/2"	
EWC-1	ELECTRIC WATER COOLER	ELKAY	EZH20	1-1/2"	1"	1/2"	-	BI-LEVEL ADA COOLER WITH BOTTLE FILLER
GD-1	GARBAGE DISPOSAL	INSINKERATOR	EVOLUTION	-	-	-	-	INSTALL BELOW COUNTER
OB-1	OUTLET BOX	SIoux CHEIF	696-G1010MF	-	-	-	-	REFRIGERATOR/ICEMAKER OUTLET BOX; WITH ARRESTORS
NOTES								

DRAIN SCHEDULE (BASIS OF DESIGN)

MARK	MANUFACTURER	MODEL #	GRATE	BODY	STRAINER	NOTES
FD-1	JAY R. SMITH	2110	NB	CI	SS	PROVIDE WITH TRAP GUARD TRAP SEAL, SURESEAL OR ENGINEER APPROVED EQUAL.
FCO	SIoux CHIEF	834-64DNR	N/A	DUCTILE IRON	N/A	NICKLE BRONZE ROUND COVER PLATE.
NOTES NB NICKEL BRONZE SS STAINLESS STEEL CI CAST IRON - INDICATES NOT APPLICABLE						

ELECTRIC WATER HEATER SCHEDULE

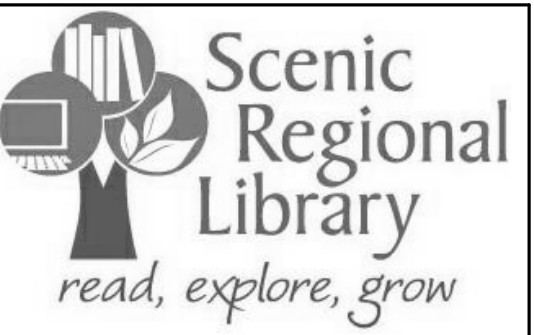
MARK	MANUFACTURER	MODEL NO.	STORAGE	OUTLET TEMPERATURE °F	RECOVERY AT 100° F RISE	INPUT	NOTES
EWH-1	A.O. SMITH	DEL-10D-4.5	10 GAL	140	18 GAL	4.5 KW	

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.

PLUMBING SYMBOLS AND ABBREVIATIONS

SYMBOL	DESCRIPTION
	DIRECTION OF FLOW OR SLOPE
	DOMESTIC COLD WATER (CW)
	DOMESTIC HOT WATER (HW)
	HOT WATER CIRCULATING (HWC)
	SANITARY SEWER (S)
	SANITARY SEWER BELOW SLAB (S)
	VENT (V)
	STORM SEWER BELOW SLAB (ST)
	NATURAL GAS (G)
	RISE OR UP
	DROP OR DOWN
	BRANCH CONNECTION - TOP
	BRANCH CONNECTION - BOTTOM
	CLEANOUT
	CAP / PLUG
	FIXTURE TRAP
	VALVE
	CHECK VALVE
	STRAINER
	UNION
	GAS VALVE
	PRESSURE REGULATOR - GAS
	METER
	DOMESTIC CIRCULATING PUMP (DCP)
	PRESSURE/TEMPERATURE RELIEF VALVE
	DOUBLE CHECK BACKFLOW PREVENTER (BFP)
	FLOOR DRAIN (FD)
	FLOOR CLEANOUT (FCO)
	KEYED NOTE
	MISCELLANEOUS EQUIPMENT TAG
ADA	AMERICANS WITH DISABILITIES ACT
BTC	BRANCH TO CONNECTION
CFH	CUBIC FEET PER HOUR
CI	CAST IRON
CO	CLEANOUT
DN	DOWN
DP	DROP
DS	DOWNSPOUT
DWV	DRAIN WASTE VENT
EWC	ELECTRIC WATER COOLER
EXIST.	EXISTING
FCO	FLOOR CLEANOUT
FLA	FULL LOAD AMPS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
I.E. OR INV. ELEV.	INVERT ELEVATION
LA	LAVATORY
MB	MOP BASIN
M.C.	MECHANICAL CONTRACTOR
N.C.	NORMALLY CLOSED
ODN	OVERFLOW DOWN SPOUT NOZZLE
ODS	OVERFLOW DOWN SPOUT
P.C.	PLUMBING CONTRACTOR
SK	SINK
SQ. FT.	SQUARE FEET
SS	SANITARY STACK
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
UR	URINAL
VS	VENT STACK
VTR	VENT THRU ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
YCO	YARD CLEAN OUT

*NOTE: NOT ALL SYMBOLS/ABBREVIATIONS USED FOR THIS PROJECT.



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390



ARCHITECT
JEMA
3005 LOCUST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
SAPP DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH FREMONT
SPRINGFIELD, MO 65804
T (417) 877-9600
F (417) 877-9696
CONTACT: JAMES STUFFLEBEAM
E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COCHRAN
530A E. INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VAN LEER
T (636) 584-0540
F (636) 584-0512
E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
ALPER AUDI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 432-8600
F (314) 807-2774
CONTACT: STEVE EHRETT
E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
BRIC PARTNERSHIP, LLC
343 S. KIRKWOOD ROAD, SUITE 204
KIRKWOOD, MO 63122
T (314) 725-5889
CONTACT: BRUCE COLEMAN
E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

PRELIMINARY
NOT FOR CONSTRUCTION

DAVID E. LAUVER
MO. LICENSE NO. 2007002812
BRIC MO CERTIFICATE OF
AUTHORITY 2002028690

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **DEV**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
**LEGEND, SYMBOLS, NOTES,
ABBREVIATIONS, & SCHEDULES -
PLUMBING**

P-001

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



SCENIC REGIONAL LIBRARY
 WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-5889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

PRELIMINARY
 NOT FOR CONSTRUCTION

DAVID E. LAUVER
 MO. LICENSE NO. 2007002812
 BRIC MO CERTIFICATE OF
 AUTHORITY 2002028690

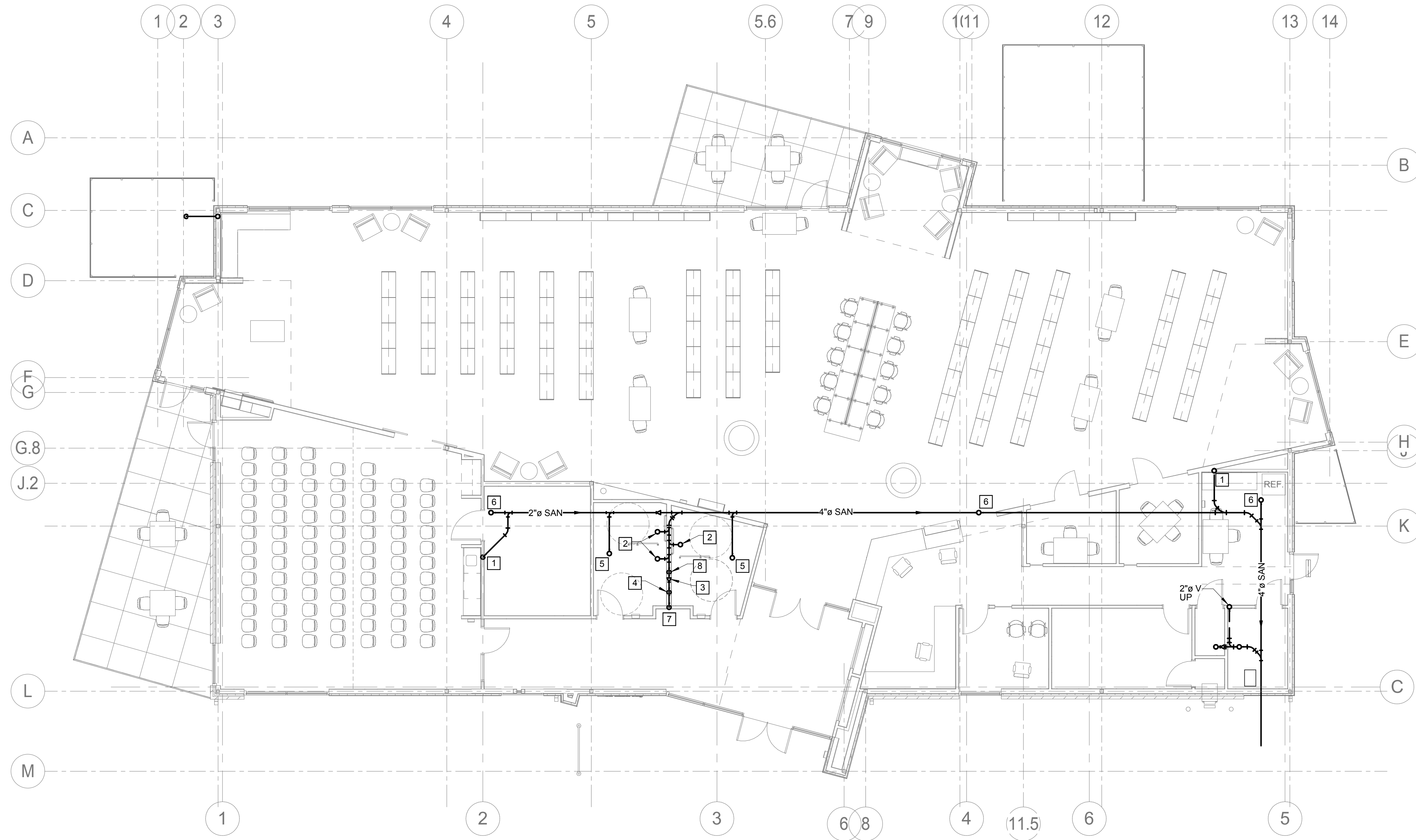
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **DEV**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
FLOOR PLAN - FOUNDATION - PLUMBING

P-200



1 FLOOR PLAN - FOUNDATION - PLUMBING
 P-200 1/8" = 1'-0"

GENERAL NOTES
 1 SEE SHEET P-001 FOR GENERAL NOTES THAT APPLY TO THIS SHEET.

KEYED NOTES

- 2" SANITARY UP TO SK-1.
- 4" SANITARY UP TO WC-1
- CONNECT 2" SANITARY TO 4" SANITARY FROM WC-1.
- 2" SANITARY UP TO TWO LAV-1.
- 4" SANITARY UP TO FD-1.
- 2" SANITARY UP TO FCO.
- 2" SANITARY UP TO EWC-1.
- 2" SANITARY UP TO UR-1.

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



SCENIC REGIONAL LIBRARY
 WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-8889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

PRELIMINARY
 NOT FOR CONSTRUCTION

DAVID E. LAUVER
 MO. LICENSE NO. 2007002812
 BRIC MO CERTIFICATE OF
 AUTHORITY 2000228690

No.	Date	Description
	04/14/17	ISSUED FOR BID

Number	Name
100	CIRCULATION
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH / ELEC
420	BOOK DROP

DRAWN BY: **DEV**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
FLOOR PLAN - FIRST FLOOR - PLUMBING

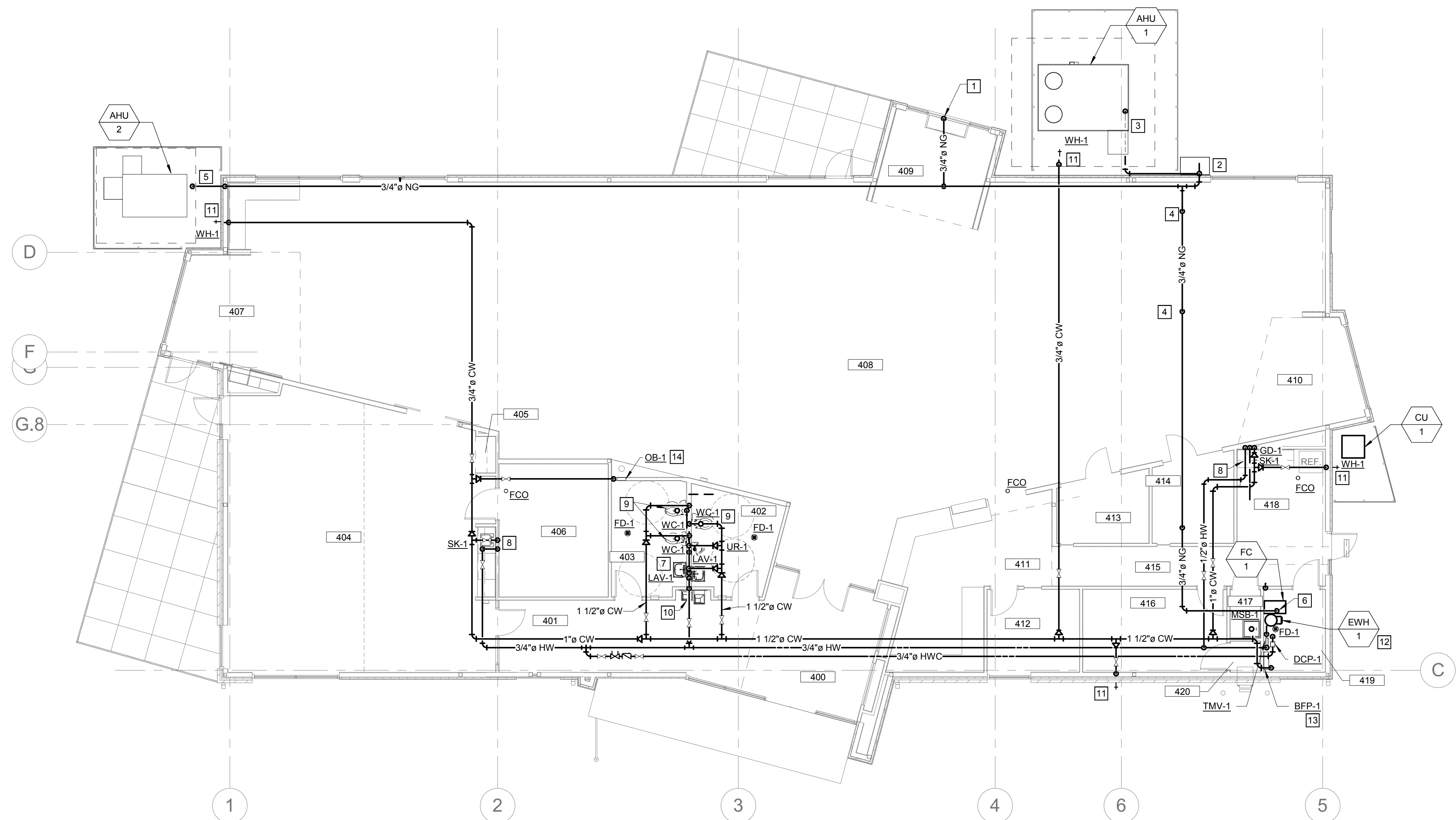
P-201

GENERAL NOTES

- 1 SEE SHEET P-001 FOR GENERAL NOTES THAT APPLY TO THIS SHEET.

KEYED NOTES

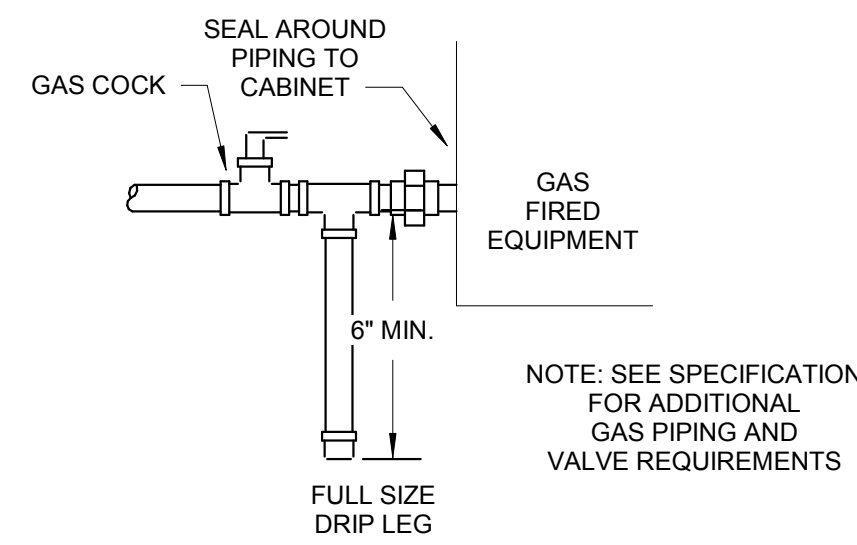
- 1 3/4" NG DOWN TO FIREPLACE. ROUTE IN WALL. COORDINATE EXACT LOCATION WITH FIREPLACE CONNECTION.
- 2 LOCATION OF GAS METER. SEE DETAIL FOR ADDITIONAL REQUIREMENTS.
- 3 CONNECT 3/4" NG TO AHU-1. PENETRATE WALL 18" AFF. ROUTE TO AHU-2. SUPPORT PIPING ON GROUND.
- 4 DROP PIPING THROUGHOUT CIRCULATION TO COORDINATE WITH ROOF AND CEILING SLOPE.
- 5 3/4" NG DOWN THROUGH WALL. PENETRATE WALL 18" AFF. ROUTE TO AHU-2. SUPPORT PIPING ON GROUND.
- 6 3/4" NG DOWN TO FC-1.
- 7 1/2" CW AND HW DOWN TO AND 1 1/2" VENT UP FROM TWO LAV-1.
- 8 1/2" CW AND HW DOWN, AND 1 1/2" VENT UP FROM SK-1.
- 9 1 1/4" CW DOWN AND 2" VENT UP FROM WC-1.
- 10 1/2" CW AND HW, AND 1 1/2" VENT UP FROM EWC-1.
- 11 3/4" CW DOWN TO WH-1. MOUNT WH-1 18" ABOVE GRADE.
- 12 SEE DETAIL FOR EWH-1 PIPING REQUIREMENTS.
- 13 REFER TO DETAIL ON SHEET P-801 FOR ADDITIONAL REQUIREMENTS.
- 14 1/2" CW DOWN TO OB-1. INSTALL OB-1 UNDER COUNTER.



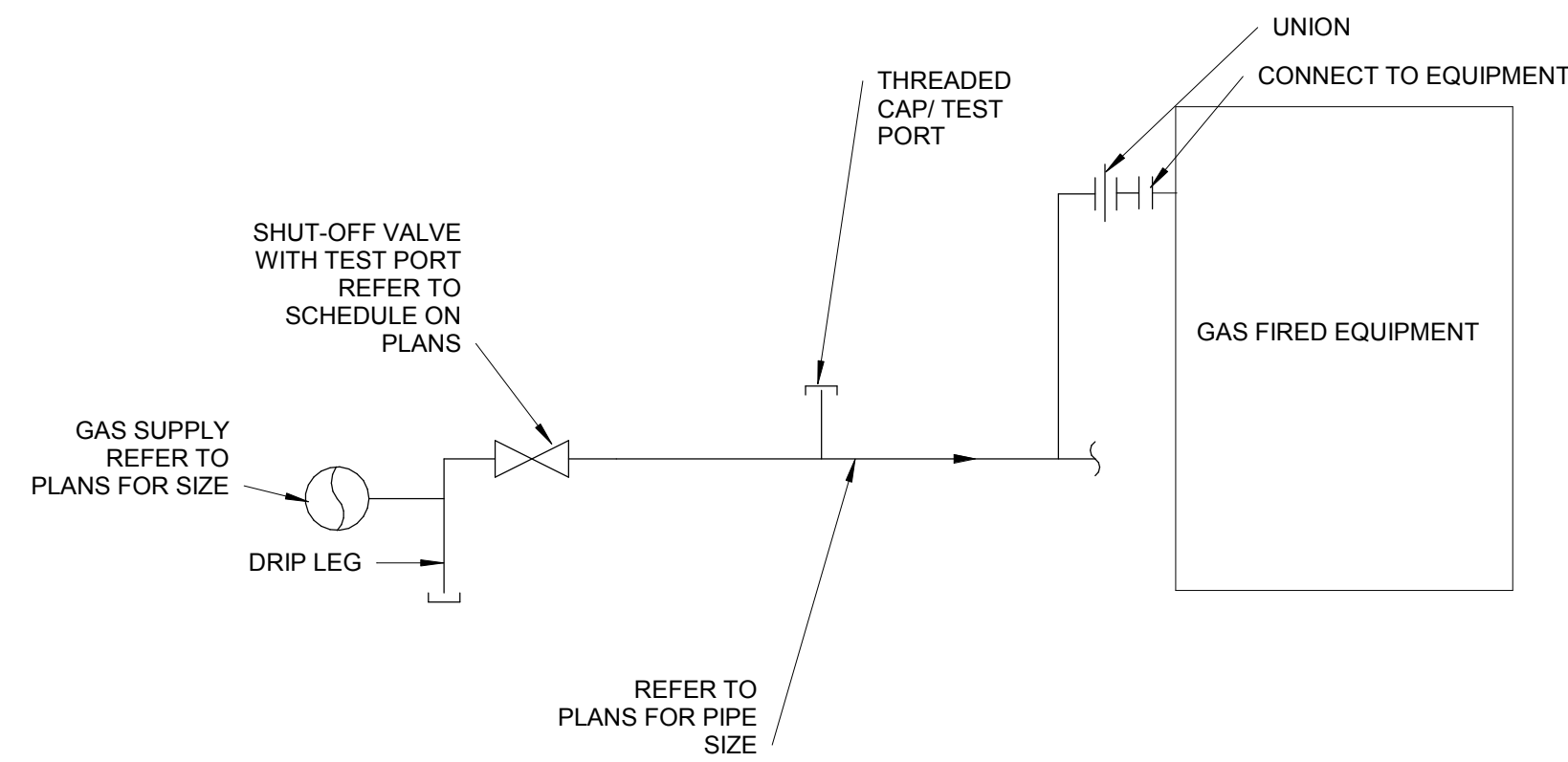
1 FLOOR PLAN - FIRST FLOOR - PLUMBING
 P-201 1/8" = 1'-0"

ROOM SCHEDULE

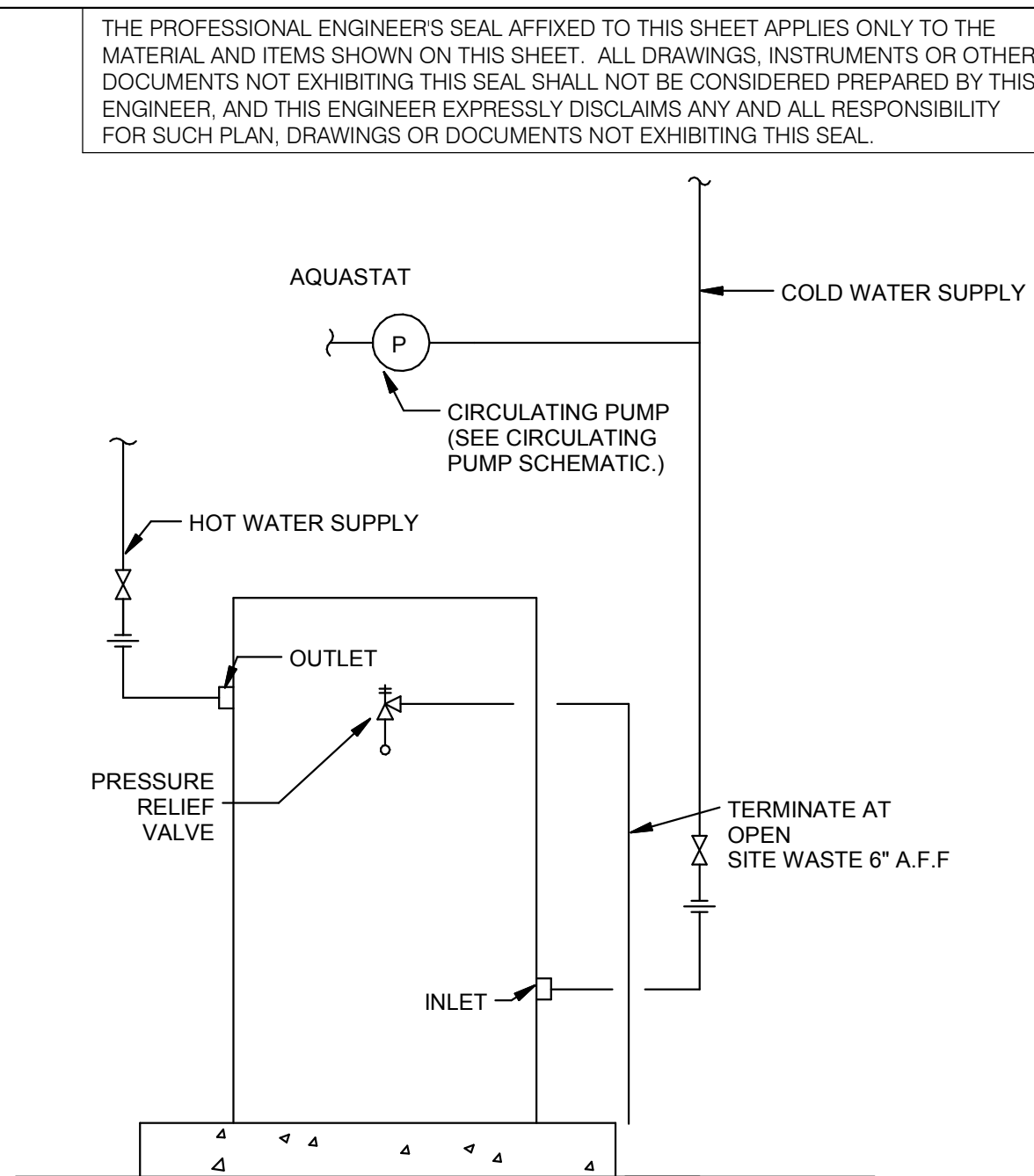
Number	Name
100	CIRCULATION
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH / ELEC
420	BOOK DROP



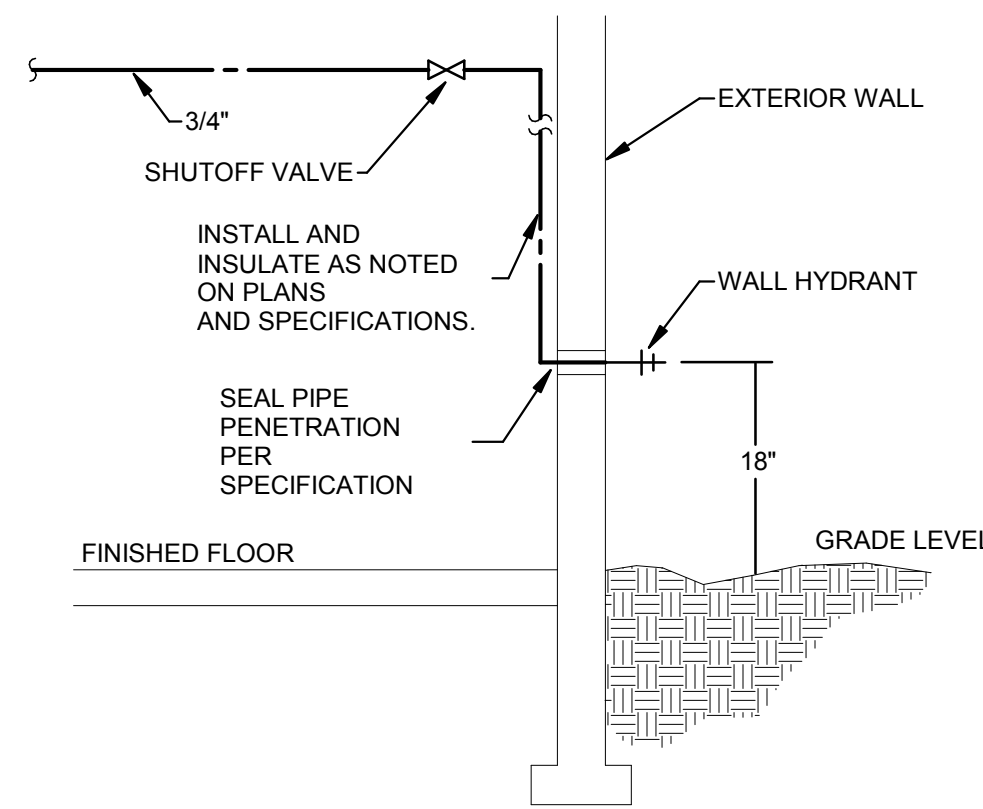
1 GAS PIPING DETAIL
P-801 N.T.S.



2 TYPICAL GAS CONNECTION TO EQUIPMENT SCHEMATIC
P-801 N.T.S.

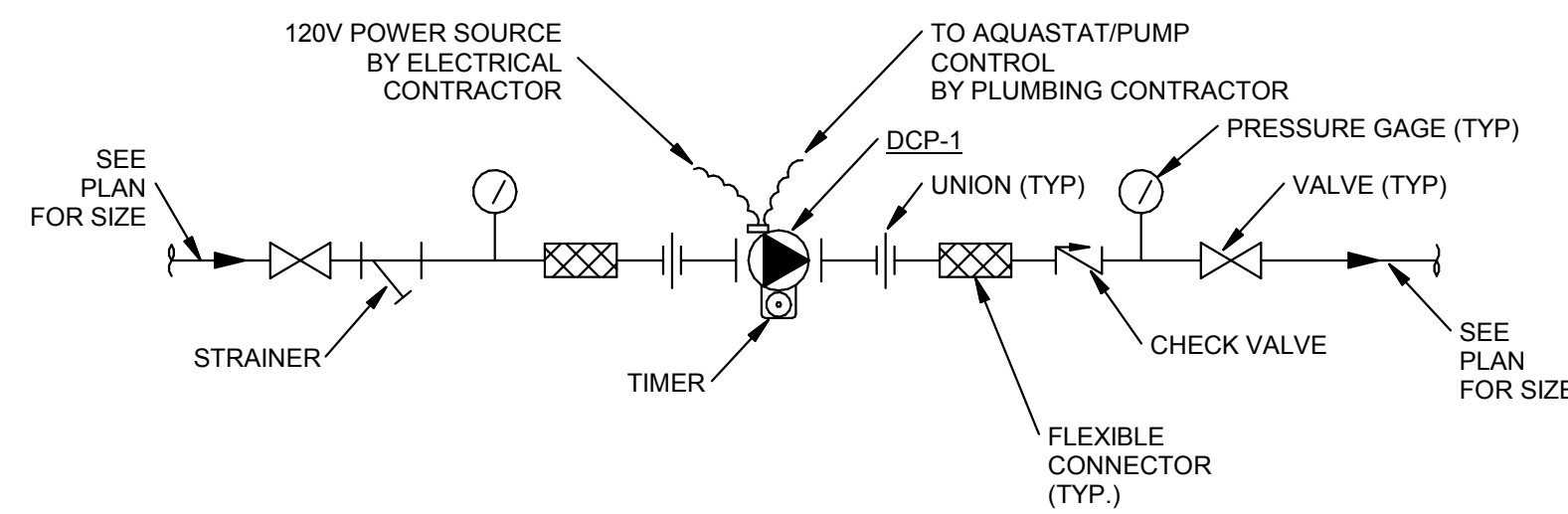


3 ELECTRIC WATER HEATER SCHEMATIC
P-801 N.T.S.

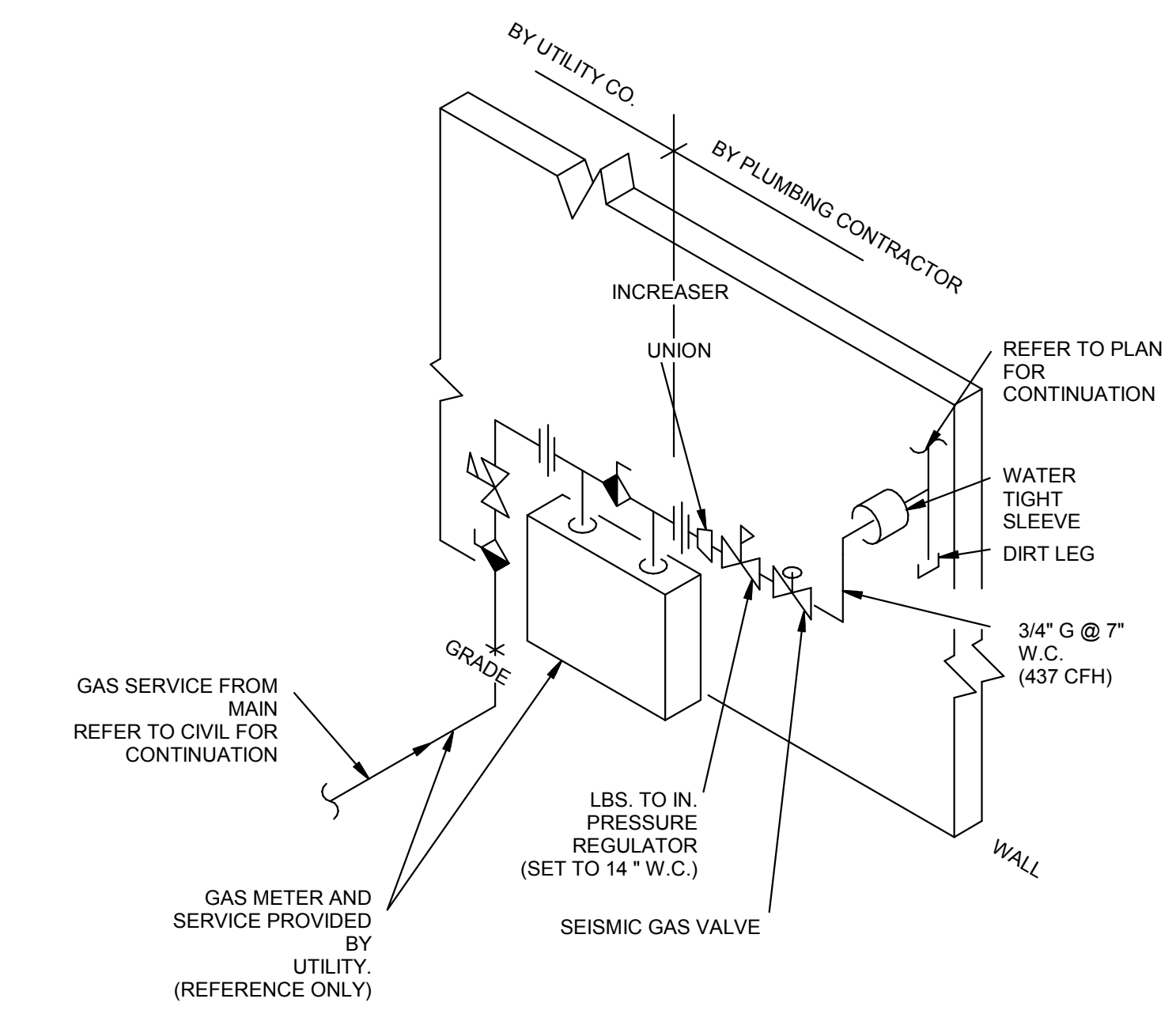


GENERAL NOTES:
1. CONTRACTORS SHALL COORDINATE LOCATION OF SHUT-OFF VALVE TO ENSURE ACCESSIBILITY.

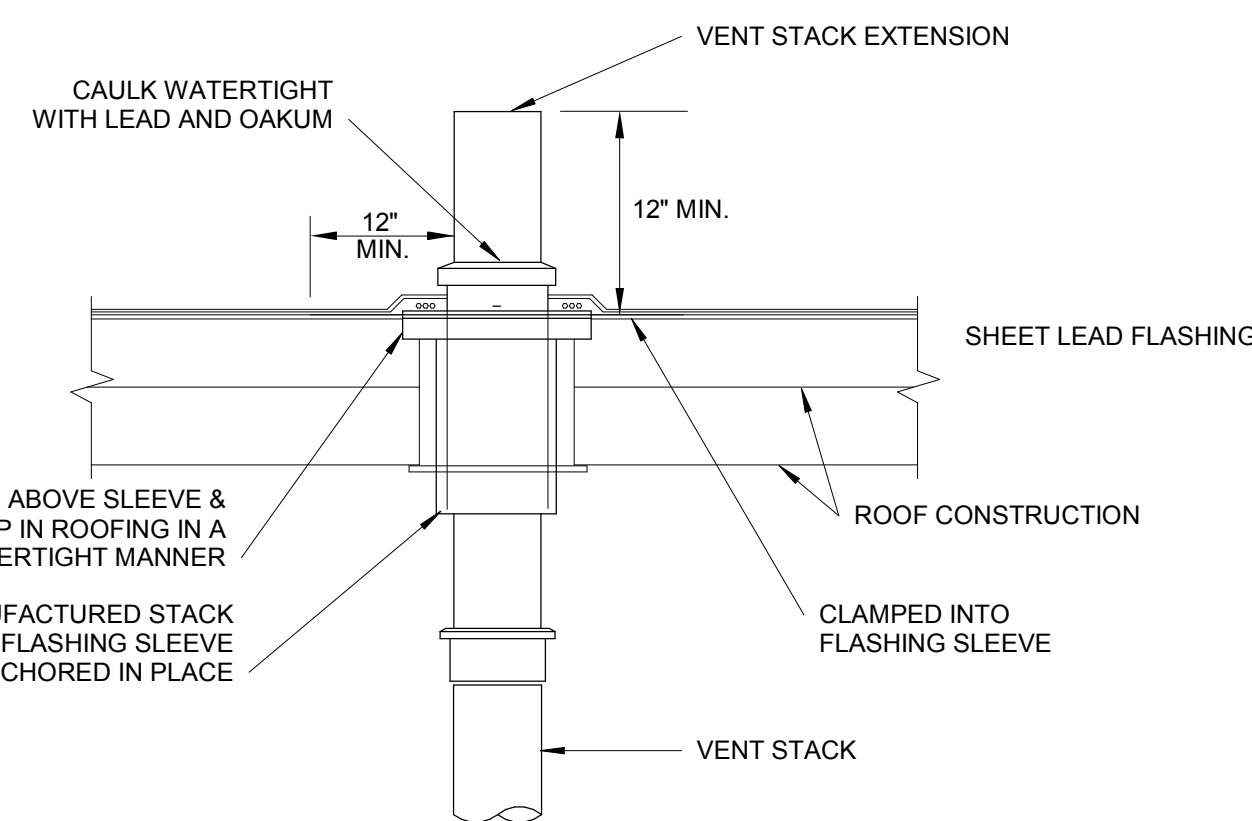
4 WALL HYDRANT
P-801 N.T.S.



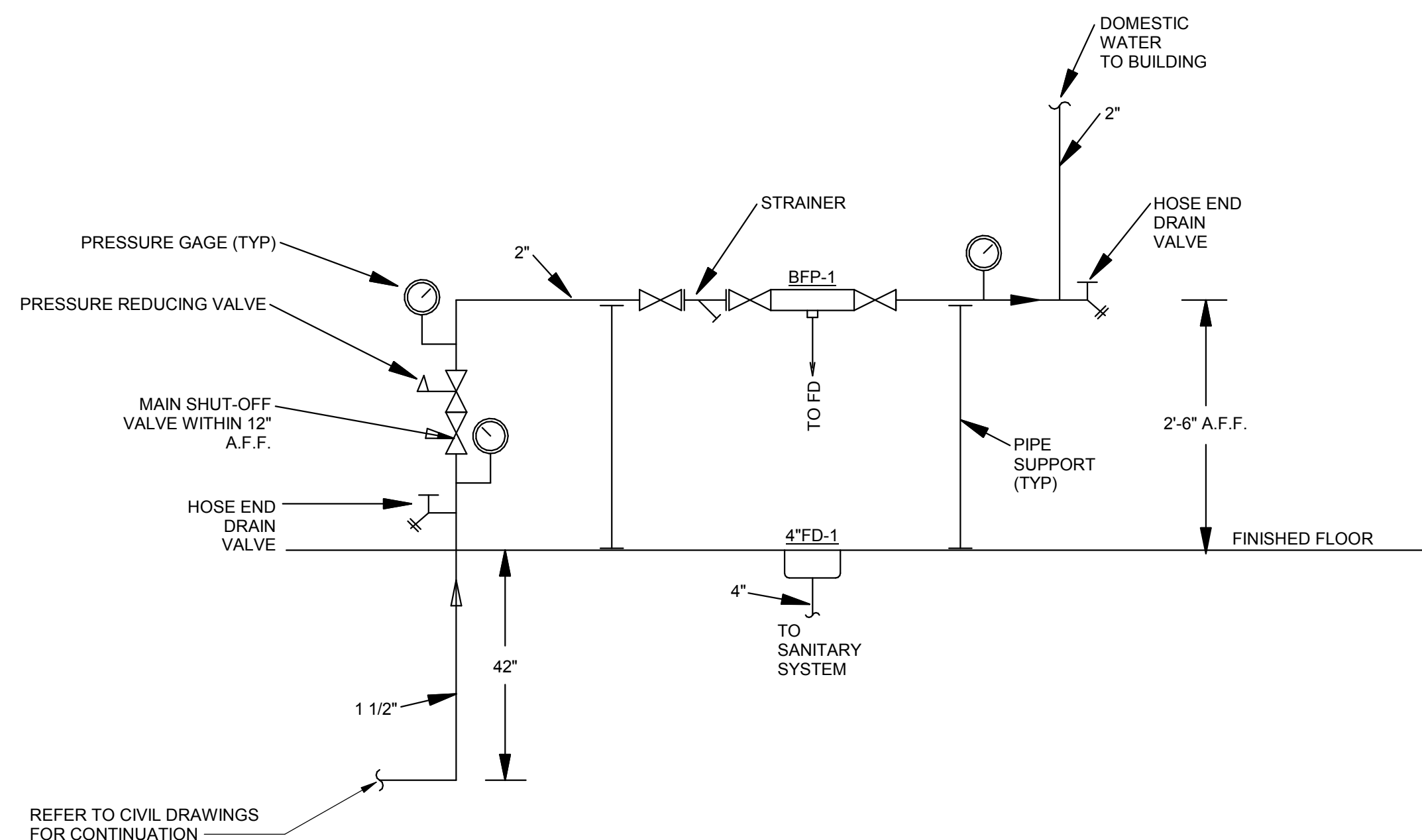
5 DOMESTIC CIRCULATING PUMP SCHEMATIC
P-801 N.T.S.



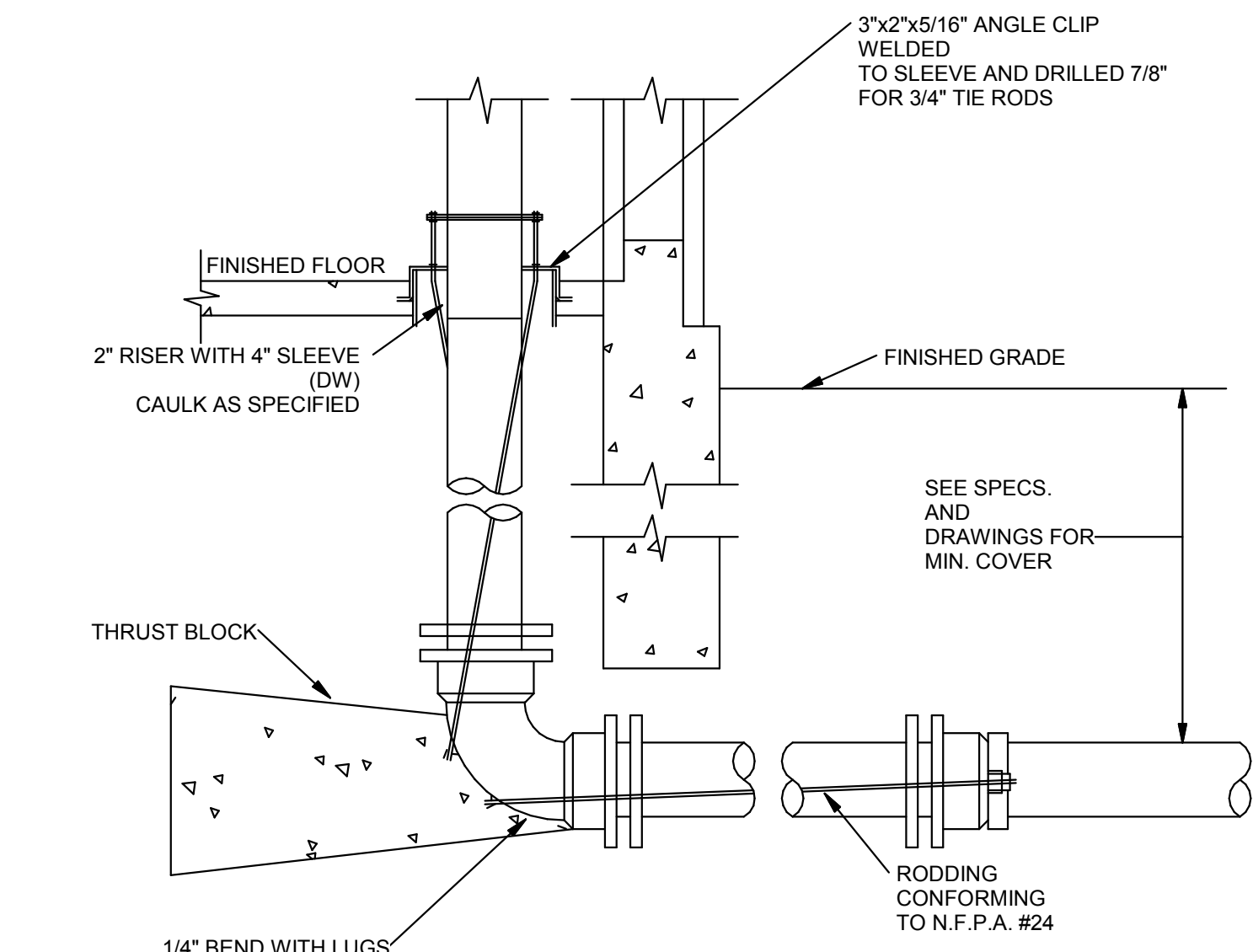
6 GAS SERVICE ENTRANCE SCHEMATIC
P-801 N.T.S.



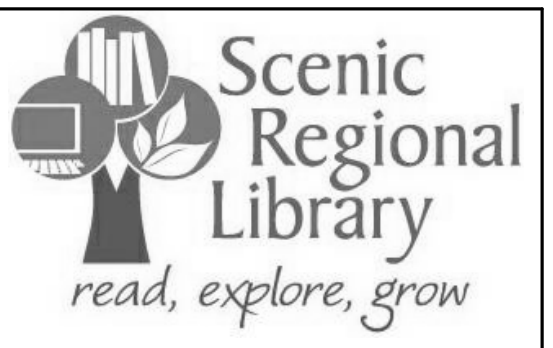
7 VENT THROUGH ROOF SCHEMATIC
P-801 N.T.S.



8 BACKFLOW PREVENTER/WATER SERVICE SCHEMATIC
P-801 N.T.S.



9 WATER SERVICE ENTRANCE SCHEMATIC
P-801 N.T.S.



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390



ARCHITECT
JEMA
3005 LOCUST ST.
ST. LOUIS, MO 63103
T (314) 531-7400
CONTACT: SCOTT CLARK
E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
SAPP DESIGN ASSOCIATES ARCHITECTS
3750 SOUTH FREMONT
SPRINGFIELD, MO 65804
T (417) 877-9600
F (417) 877-9696
CONTACT: JAMES STUFFLEBEAM
E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COCHRAN
530A E. INDEPENDENCE DRIVE
UNION, MO 63084
CONTACT: DAVE VAN LEER
T (636) 584-0540
F (636) 584-0512
E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
ALPER AUDI, INC.
1804 BORMAN CIRCLE DRIVE
ST. LOUIS, MO 63146
T (314) 432-8600
F (314) 807-2774
CONTACT: STEVE EHRETT
E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
BRIC PARTNERSHIP, LLC
343 S. KIRKWOOD ROAD, SUITE 204
KIRKWOOD, MO 63122
T (314) 725-5889
CONTACT: BRUCE COLEMAN
E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

PRELIMINARY
NOT FOR CONSTRUCTION

DAVID E. LAUVER
MO. LICENSE NO. 2007002812
BRIC MO CERTIFICATE OF
AUTHORITY 2002028690

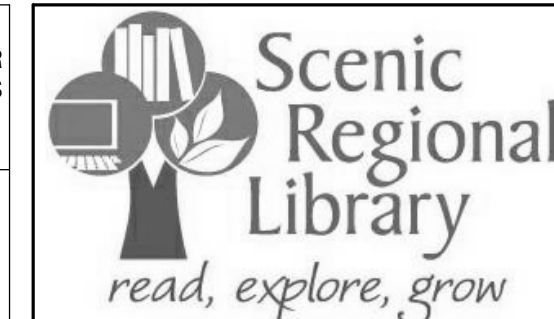
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: DEV
PROJECT NUMBER: 16-1161.03

SHEET TITLE:
DETAILS - PLUMBING

P-801

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390



ARCHITECT
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7409
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-9600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-8889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

 PRELIMINARY
 NOT FOR CONSTRUCTION

TODD L. KUNO
 MO. LICENSE NO. 2015017018
 BRIC MO CERTIFICATE OF
 AUTHORITY 2002028690

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **TLK**
 PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
LEGEND, SYMBOLS, NOTES, & ABBREVIATIONS - ELECTRICAL

E-001

ELECTRICAL ABBREVIATIONS:

- A.F. AMP FUSE, USED IN CONJUNCTION WITH "A.S."
- A.F.F. ABOVE FINISHED FLOOR.
- A.S. AMP SWITCH USED IN CONJUNCTION WITH "A.F." OR "N.F."
- C IN STATEMENT IS ABBREVIATION FOR "CONDUIT."
- CAF/CI COMBINATION ARC FAULT CIRCUIT INTERRUPTER BREAKER.
- CKT CIRCUIT.
- CLG INSTALL DEVICE EITHER AT OR 12" BELOW FINISHED CEILING.
- E.C. ELECTRICAL CONTRACTOR (DIVISION 16)
- E.M. EQUIPMENT MANUFACTURER.
- ETR EXISTING TO REMAIN.
- EX INDICATES DEVICE IS EXISTING.
- F.B.O. FURNISHED BY OTHERS
- FS FUSIBLE SWITCH.
- GD GARAGE DOOR INSTALLER.
- GFI GROUND FAULT INTERRUPT PROTECTION.
- HP HORSEPOWER
- IG ISOLATED / INSOLATED GROUND DEVICE.
- LVC LOW VOLTAGE CONTRACTOR
- M.C. MECHANICAL CONTRACTOR (DIVISION 15)
- NF NOT FUSED / NON-FUSIBLE SWITCH.
- NIC NOT IN CONTRACT.
- OC 6" OVER (ABOVE) COUNTER LEVEL.
- P.C. PLUMBING CONTRACTOR (DIVISION 15)
- REL RELAY.
- TV TELEVISION
- U.N.O. UNLESS NOTED OTHERWISE.
- UCR UNDER COUNTER REFRIGERATOR.
- UPS UNINTERRUPTIBLE POWER SUPPLY.
- VFD VARIABLE FREQUENCY DRIVE.
- W WALL MOUNTED DEVICE (48" A.F.F.)
- WP WEATHERPROOF IN-USE COVER.

ELECTRICAL SYMBOLS:

- ALL CIRCUITS SHALL BE (2) #12's WITH (1) #12 GND MINIMUM U.N.O.
- CEILING-MOUNTED JUNCTION BOX (4"x4"x1-1/2" MIN.)
- WALL-MOUNTED JUNCTION BOX (4"x4"x1-1/2" MIN.)
- FLOORBOX
FB# INDICATES FLOOR BOX REQUIREMENTS
- FB1 - FLOOR BOX POWER:
(1) 5-20 DUPLEX RECEPTACLES.

COMMUNICATIONS:
(1) DATA OUTLETS (RJ-45).
- FB2 - FLOOR BOX POWER:
(2) 5-20 DUPLEX RECEPTACLES.

COMMUNICATIONS:
(2) DATA OUTLETS (RJ-45).
- FB3 - FLOOR BOX POWER:
(2) 5-20 DUPLEX RECEPTACLES.
- FB4 - FLOOR BOX POWER:
(1) 208V/2P BREAKER WITH 120V WHIP (3) #12, (1) #12 GND, 1" C WITH SHARED NEUTRAL.

COMMUNICATIONS:
PROVIDE CAT6 DATA CONNECTION PER FLOOR PLAN.
- PANELBOARD LOCATION ON PLANS. "LNL1" INDICATES DESIGNATION.
- FEEDER SCHEDULE NOTE. "A" INDICATES FEEDER IN SCHEDULE.
- MECHANICAL EQUIPMENT DESIGNATION. "CU-1" INDICATES ITEM IN MECHANICAL EQUIPMENT DATA SCHEDULE. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR ADDITION REQUIREMENTS.
- CIRCUIT CONDUIT ROUTING. *1 * INDICATES ONE (1) GROUND CONDUCTOR, ONE (1) NEUTRAL CONDUCTOR AND TWO (2) PHASE CONDUCTORS RESPECTIVELY. *2 * INDICATES ISOLATED GROUND CONDUCTOR. ALL CONDUCTORS SHALL BE #12 AWG MINIMUM U.N.O.
- CIRCUIT/CONDUIT "HOMERUN".
- CONDUIT ROUTED UNDER SLAB.
- CONDUIT ROUTED IN CEILING SPACE OF LEVEL BELOW.
- CONDUIT ROUTED EXPOSED AS SHOWN.
- CONDUIT TURNING UP.
- CONDUIT TURNING DOWN.
- GROUND CONNECTION OR LIGHTNING PROTECTION GROUND ROD LOCATION.
- MOTOR STARTING SWITCH. MOUNT AT 48" A.F.F. U.N.O. "M" INDICATES MOTOR. "P" INDICATES WITH PILOT LIGHT.
- MOTOR CONNECTION. "1" INDICATES HORSEPOWER.
- POWER POKE-THRU DEVICE. PROVIDE ADAPTER PLATE FOR FLEXIBLE CONDUIT CONNECTION.
- ELECTRICAL DISCONNECT. SUBTEXT DENOTES DISC. AMP RATING AND NUMBER OF CONDUCTORS.
- PUSHBUTTON.

COMMUNICATION SYMBOLS:

- COMMUNICATION ROUGH-IN ONLY WALL BOX. PROVIDE MINIMUM 4" x 4" x 2-1/8" DEEP BOX MOUNTED 18" ABOVE FLOOR. UNLESS NOTED OTHERWISE PROVIDE SINGLE GANG MUD RING AND 3/4" CONDUIT WITH BUSHING ROUTED INTO AN ACCESSIBLE CEILING SPACE. PROVIDE PULL STRING AND BLANK FACEPLATE.
- COMMUNICATION OUTLET IN RECESSED WALL BOX. PROVIDE MINIMUM 4" x 4" x 2-1/8" DEEP BOX MOUNTED 18" ABOVE FLOOR. UNLESS NOTED OTHERWISE PROVIDE SINGLE GANG MUD RING AND 3/4" CONDUIT WITH BUSHING ROUTED INTO AN ACCESSIBLE CEILING SPACE. PROVIDE CABLING AND JACKS AS DENOTED (SEE BELOW). #A* (TYPICAL) INDICATES CABLING AND CONNECTIVITY REQUIREMENTS.
- CABLING REQUIREMENTS**
 - #A* - TELEPHONE CABLE (CAT 5e)
 - #WA* - WALL PHONE. MOUNT 48" A.F.F. FACEPLATE SHALL HAVE BASE UNIT MOUNTING STUDS
 - #D* - DATA CABLE (CAT 6).
 - #WAP* - WIRELESS ACCESS POINT. PROVIDE CAT6 WITH MALE RJ45
- NOTE: NUMBER (#) BEFORE CABLE TYPE INDICATES QUANTITY
- TV CONNECTION. PROVIDE WIREMOLD EVOLUTION WALL BOXES. BOX SHALL HAVE POWER AND DATA ON TOP WITH SPACE ON BOTTOM. PROVIDE 1" C. FOR DATA AND 3/4" C. FOR POWER. PROVIDE CAT6 FROM SERVER TO BOX AND PROVIDE TERMINATION TO CABLE.
- VOLUME CONTROLLER FOR SPEAKERS

RECEPTACLE SYMBOLS:

- TYPE DESIGNATION:
- *SW*- NEMA 5-20R GROUND TYPE DUPLEX RECEPTACLE CIRCUIT THROUGH LOCAL OCCUPANCY SENSOR CONTACTOR LOCATED ABOVE CEILING. REFER TO LIGHTING PLAN FOR LOCATION OF CONTACTOR.
- *TVSS*-NEMA 5-20R SURGE SUPPRESSION TYPE DUPLEX RECEPTACLE.
- *MW*- MICROWAVE RECEPTACLE.
- *TV*- TV RECEPTACLE. MOUNT ADJACENT TO TV OUTLET. REFER TO COMMUNICATIONS FLOOR PLANS FOR TV OUTLET LOCATIONS.
- *EWC*- ELECTRIC WATER COOLER RECEPTACLE: CONCEALED BEHIND WATER COOLER ACCESS PLATE OR DIRECTLY BELOW AND CENTER ON EWC. CONTRACTOR SHALL VERIFY TYPE OF EWC TO BE INSTALLED.
- *H*- MOUNT OUTLET HORIZONTALLY.
- *G*- INDICATES A 5-20 RECEPTACLE (NON-GFCI) PROTECTED BY GFCI PROTECT CIRCUIT BREAKER. PROVIDE PERMANENT LABEL.
- *A*- INDICATES A 5-20 RECEPTACLE (NON-AFCI) PROTECTED BY AFCI PROTECT CIRCUIT BREAKER. PROVIDE PERMANENT LABEL.
- NEMA 5-20R GROUND TYPE DUPLEX RECEPTACLE. SUBSCRIPT INDICATES TYPE. MOUNT AT 18" A.F.F. UNLESS NOTED OTHERWISE.
- NEMA 5-20R G.F.I. DUPLEX RECEPTACLE. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- NEMA 5-20R DOUBLE DUPLEX RECEPTACLE. SUBSCRIPT INDICATES TYPE. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE.
- NEMA 5-20R G.F.I. DOUBLE DUPLEX RECEPTACLE. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE.
- NEMA 5-20R GROUND TYPE SIMPLEX RECEPTACLE. SUBSCRIPT INDICATES TYPE. MOUNT AT 18" A.F.F. U.N.O.
- SPECIAL PURPOSE RECEPTACLE AS INDICATED ON DRAWINGS SUBSCRIPT INDICATES TYPE. MOUNT AT 18" A.F.F. U.N.O.
- CORD REEL RECEPTACLE. REFER TO DETAIL ON FLOOR PLAN.

LIGHTING SYMBOLS:

- * | * INDICATES FOR DEVICE TO BE WALL-MOUNTED
- ALL CIRCUITS SHALL BE (2) #12's WITH (1) #12 GND MINIMUM U.N.O.
- DOWNLIGHT.
- SYMBOL NOMENCLATURE:**
 - *B*- INDICATES FIXTURE TYPE.
 - *23*- NUMBER DESIGNATES FIXTURE CIRCUIT.
 - *LLC*- FIXTURE CONTROLLED BY LIGHTING CONTROL SYSTEM REFER TO LIGHTING CONTROL DIAGRAM FOR DEVICES AND CONTROLS.
 - *a,b,c*- FIXTURE CONTROLLED BY LOCAL SWITCH REFER TO LIGHTING CONTROL SYMBOL FOR CONTROL METHOD
- TYPICAL OF ALL LIGHT FIXTURES. SEE LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION.
- WALL MOUNTED DOWNLIGHT.
- LIGHT FIXTURE. SIZE AS INDICATED.
- WALL MOUNTED LIGHT FIXTURE.
- STRIP LIGHT FIXTURE.
- EMERGENCY STRIP LIGHT FIXTURE.
- EMERGENCY DOWNLIGHT.
- CEILING MOUNTED EMERGENCY LIGHT FIXTURE.
- EXIT LIGHT FIXTURE. PROVIDE WITH ARROWS AS INDICATED.
- DECORATIVE POST TOP SITE LIGHTING FIXTURE.
- POLE MOUNTED SITE LIGHTING FIXTURE.
- CEILING FAN - REFER TO LIGHT FIXTURE SCHEDULE FOR TYPE.

OTHER:

- KNOCK BOX, PROVIDED BY OTHERS. PROVIDE MONITOR MODULE AS INDICATED ON PLANS.
- DETAIL REFERENCE. "4" INDICATES DETAIL # "E301" INDICATES SHEET. REFER TO DETAIL FOR ADDITIONAL REQUIREMENTS.
- SHEET KEYED NOTE "1" INDICATES NOTE #.

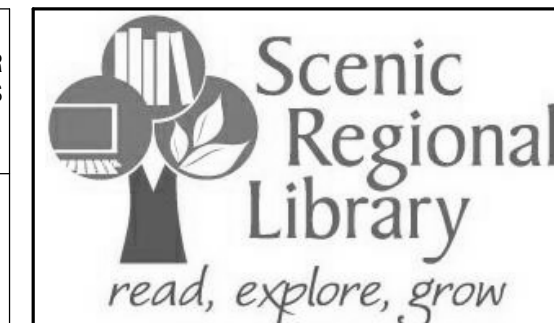
LIGHTING CONTROL SYMBOLS:

- WALL SWITCH. MOUNT AT 48" A.F.F. U.N.O. UPPER CASE SUBSCRIPT INDICATES TYPE LOWER CASE SUBSCRIPT INDICATES SWITCH LEG. SUBSCRIPTS 3, 4 INDICATE THREE WAY AND FOUR WAY RESPECTIVELY.
- TYPE DESIGNATION
 - *DM*- DIMMER CONTROL.
 - *LV*- INDICATES 0-10V AND TO PROVIDE POWER PACK FOR SWITCH AND OCCUPANCY SENSOR.
 - *NL*- NIGHT LIGHT FIXTURE CIRCUIT TO PANELBOARD "MAIN" WITH NO LOCAL CONTROL.
 - *OS*- DUAL (PIR AND ULTRASONIC) OCCUPANCY SENSOR WALL SWITCH.
 - *110*- NUMBER INDICATE ROOM NUMBER. LETTER INDICATES SWITCH NUMBER IN THE ROOM.
- PHOTO CELL DEVICE.
- CONTACTOR.
- LIGHTING CONTROL POWER STATION. MOUNT ON 4" x 4" BOX ABOVE CEILING.
- LIGHTING CONTROL PANEL. INCLUDES SYSTEM CONTROLLER. CONTAINS RELAYS.
- LOCAL LIGHTING CONTROLLER. REFER TO DETAIL 1/E8.0.0
- NETWORK INTERFACE
- OCCUPANCY SENSOR. CEILING MOUNTED. WIDE ANGLE LENS. MOUNT AT 96" A.F.F. SUBSCRIPT DENOTES SENSOR TYPE. "IR"- PASSIVE INFRARED TECHNOLOGY. "DT"- DUAL (PIR + ULTRASONIC) TECHNOLOGY.
- OCCUPANCY SENSOR RELAY PACK 20A CONTACTOR MOUNTED ON J-BOX ABOVE ACCESSIBLE CEILING FOR SWITCHING LOCAL RECEPTACLE. REFER TO POWER PLANS FOR RECEPTACLE LOCATIONS.

ELECTRICAL INSTALLATION NOTES:

1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES).
2. CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE.
3. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, AND IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS, AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
4. BOXES LOCATED ON OPPOSITE SIDE OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT / ENGINEER.
5. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DETECTORS AND / OR SPEAKERS WITH LUMINARIES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE.
6. CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS AND REVIEW SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND / OR EQUIPMENT.
7. WALL MOUNTED DEVICES (STROBES, PULL STATIONS, SPEAKERS, SENSORS, RECEPTACLES, LIGHT SWITCHES, ETC.) THAT ARE LOCATED WITHIN +/- 2' HORIZONTALLY OFF A LOWER DEVICE(S), ALL DEVICES SHALL BE ALIGNED VERTICALLY AND RACEWAYS ROUTED AS REQUIRED TO ALLOW THE DEVICES TO BE MOUNTED VERTICALLY.
8. ELECTRICAL EQUIPMENT SHALL BE MOUNTED TO AVOID THE IMPEDANCE OF OPERATION AND / OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL GEAR ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
9. TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
10. ALL FINAL ELECTRICAL CONNECTIONS TO MOTORS SHALL BE MADE WITH FLEXIBLE METAL CONDUIT. USE LIQUIDTIGHT CONDUIT AND FITTING WHERE SUBJECT TO MOISTURE. ROUTE GROUND WIRE FROM CIRCUIT GROUND TO MOTOR GROUND THROUGH FLEXIBLE CONDUIT. FLEXIBLE CONDUIT SHALL NOT EXCEED 6" IN LENGTH.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
12. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOOR SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOP.
13. CONTRACTOR SHALL INSTALL AT EACH SERVICE ENTRANCE A PERMANENT DIRECTORY ACCORDING TO ARTICLE 230 OF THE NATIONAL ELECTRIC CODE.
14. CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
15. UNLESS OTHERWISE STATED, THE MINIMUM CIRCUIT SHALL BE (2) #12 AND (1) #12 GND IN 3/4" CONDUIT FOR IN DOORS OR IN 1" CONDUIT FOR EXTERIOR APPLICATIONS.

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



SCENIC REGIONAL LIBRARY
 WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-8889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

PRELIMINARY
 NOT FOR CONSTRUCTION

TODD L. KUNO
 MO. LICENSE NO. 2015017018
 BRIC MO CERTIFICATE OF
 AUTHORITY 2002028690

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **TLK**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
SITE PLAN - ELECTRICAL

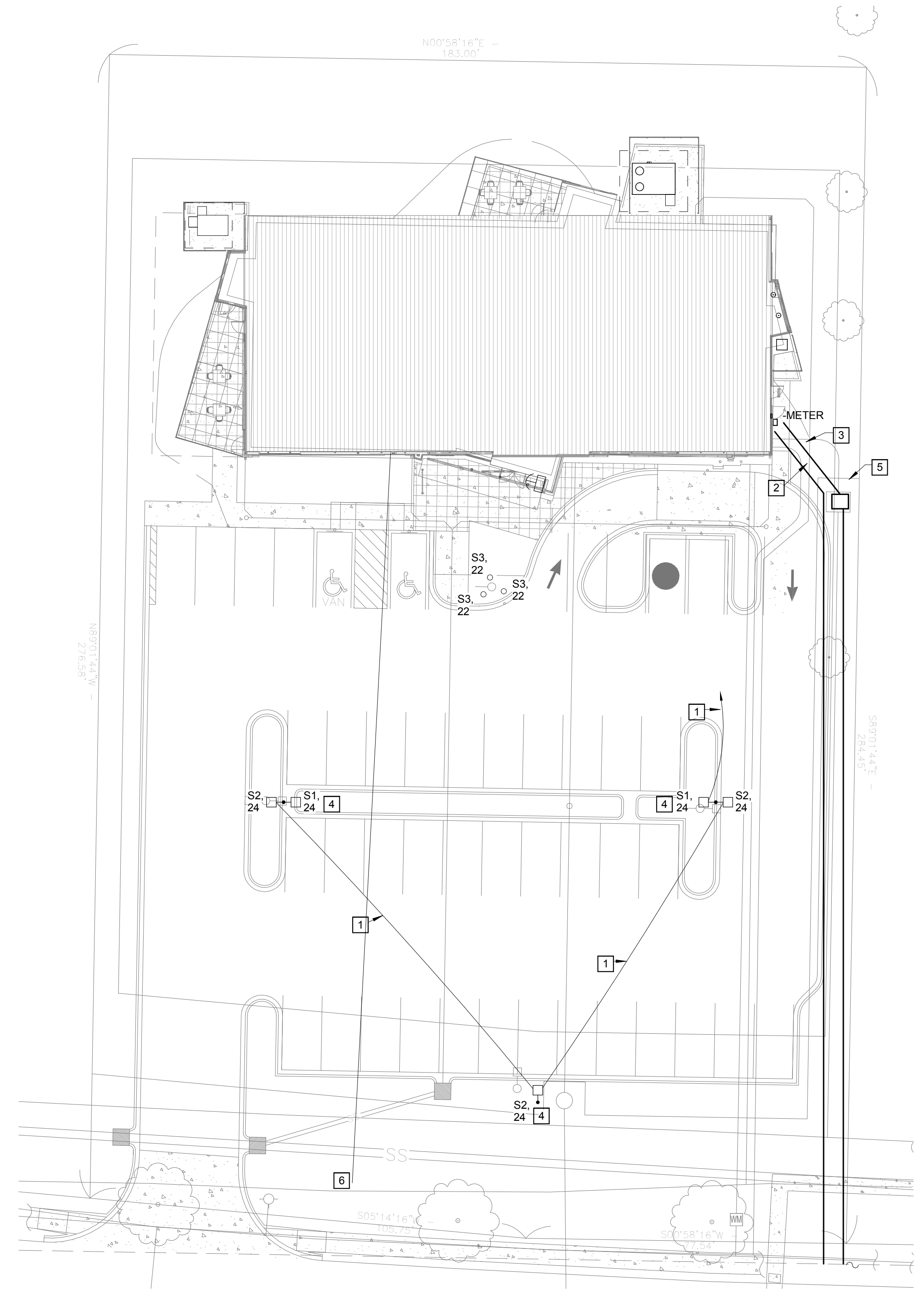
E-100

GENERAL NOTES

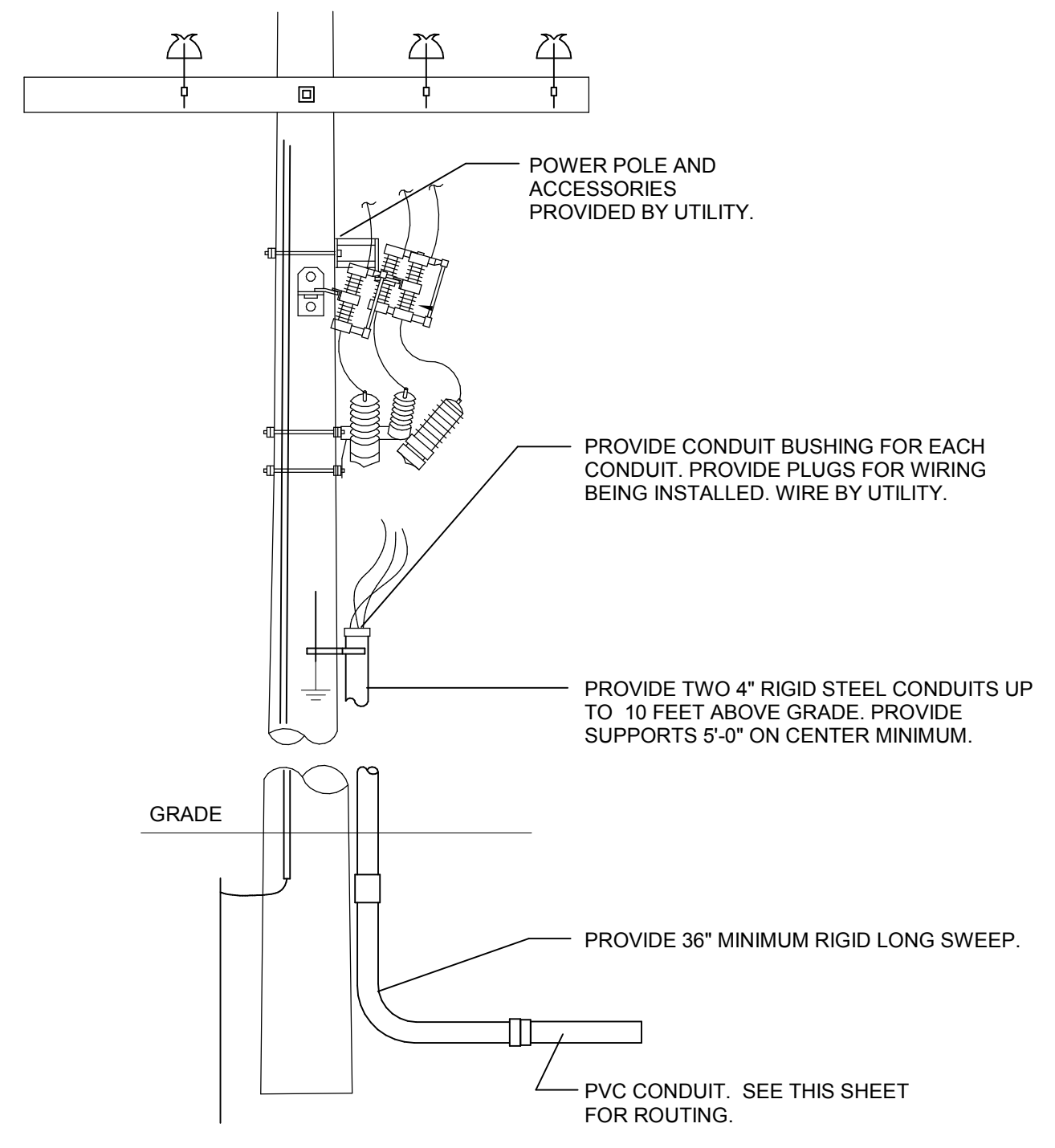
- ELECTRICAL CONTRACTOR SHALL CORRIDNATE SITE LIGHTING FIXTURES PRIOR TO INSTALLING BASE WITH CIVIL CONTRACTOR.
- FLAG POLE FLOOD LIGHTS (S3 FIXTURE) SHALL BE EVENLY SPACED AROUND THE FLAG POLE APPROXIMATELY 4' AWAY FROM THE FLAG POLE.

KEYED NOTES

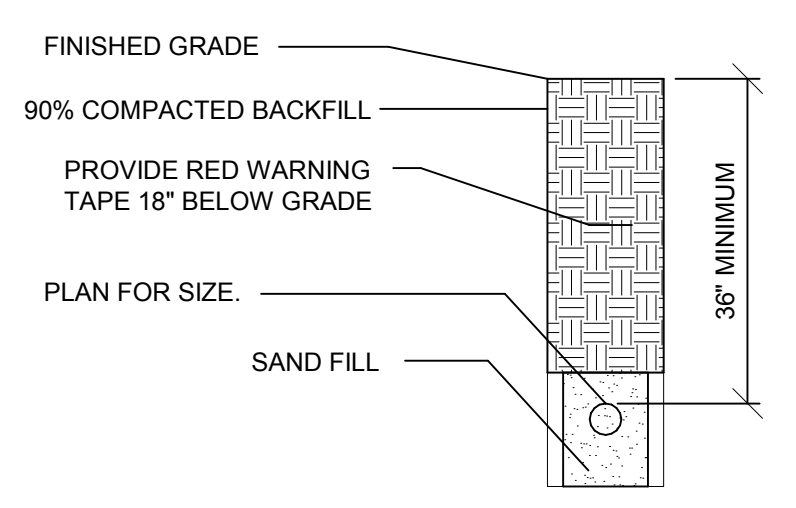
- PROVIDE (2) #10, (1) #10 GND, IN 1" CONDUIT POWER TO SITE LIGHTING FIXTURES.
- UNDERGROUND DUCTS FOR COMMUNICATIONS SERVICES, TWO (2) 2" PVC. SEE SHEET E-401 FOR CONTINUATION INTO BUILDING. COORDINATE WITH SERVICE PROVIDERS AND ROUTE TO POLE OF MANHOLE AS REQUIRED.
- PROVIDE 4" CONDUIT TO UTILITY SERVICE. SEE CIVIL PLAN FOR ROUTE.
- PROVIDE 20' RTS POLE, AND POLE BASE. SEE DETAIL ON THIS SHEET FOR GROUNDING, WIRING, AND BASE DETAILS.
- PROVIDE UTILITY TRANSFORMER CONCRETE PAD PER UTILITY REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL PROVIDE 1" CONDUIT FROM BUILDING ELECTRICAL ROOM TO THE LOCATION INDICATED. PROVIDE PULL STRING, CAP AND LABEL CONDUIT ON EACH END. CONTRACTOR SHALL PROVIDE EXACT LOCATION OF END OF CONDUIT ON AS BUILDS.



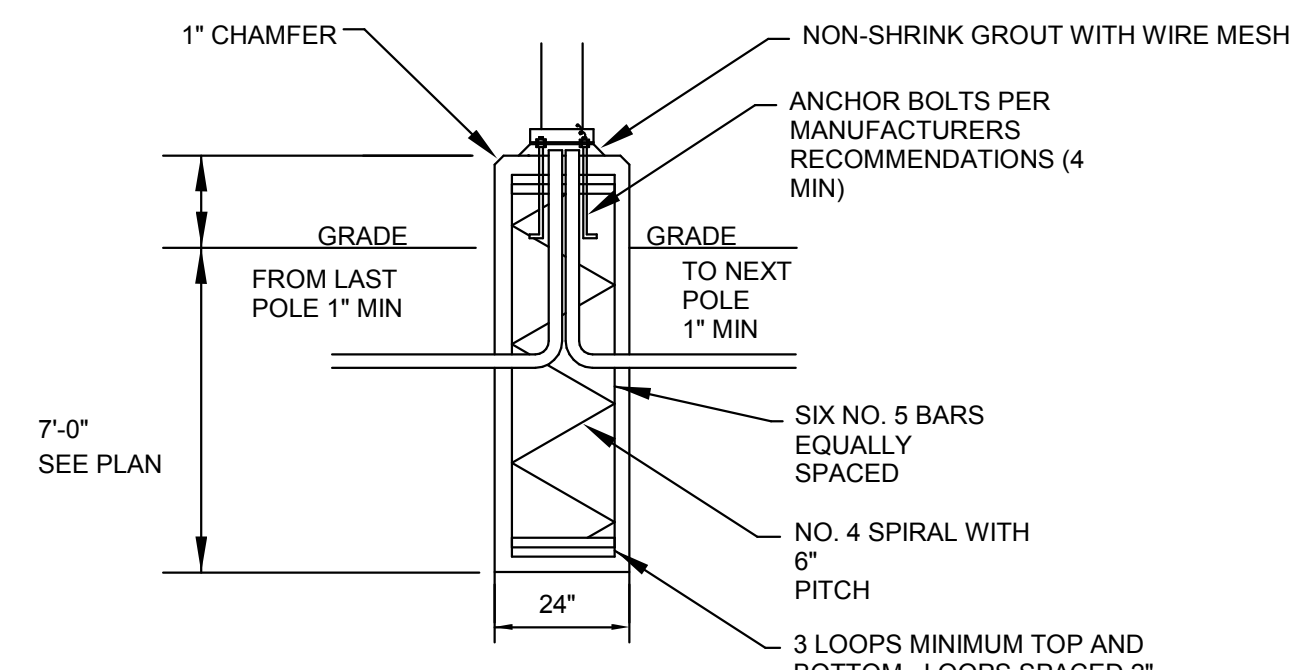
1 SITE PLAN - ELECTRICAL
 E-100
 1" = 20'-0"



6 UTILITY POLE DETAIL
 E-100
 N.T.S.

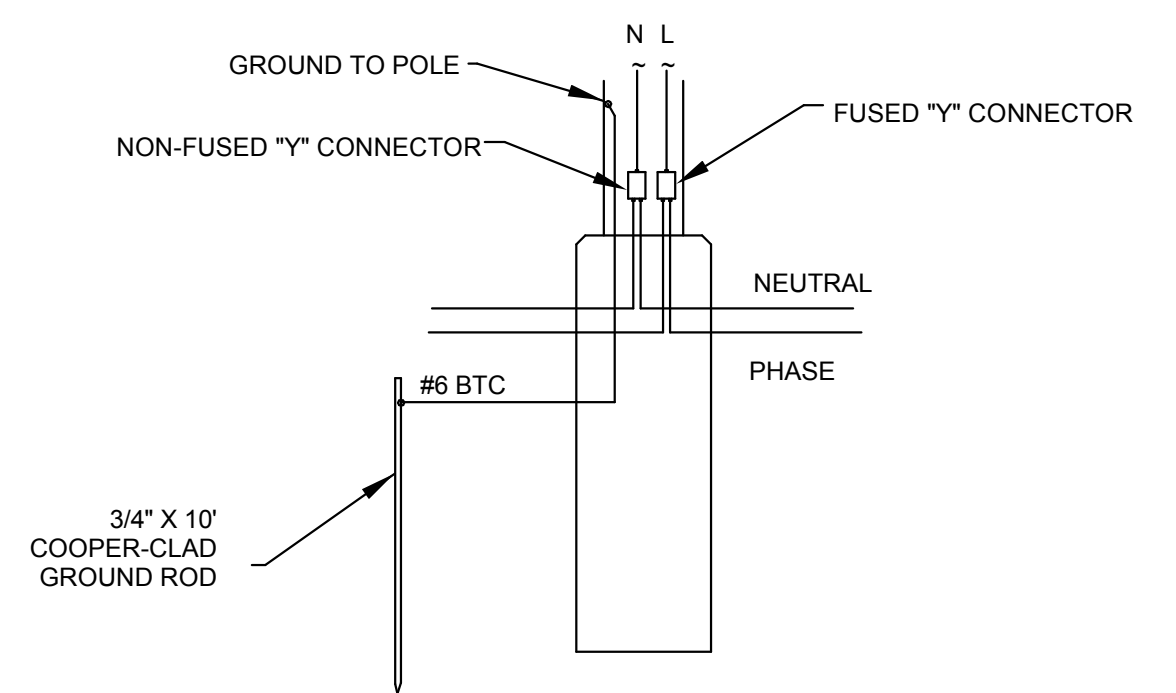


5 TRENCHING DETAIL
 E-100
 N.T.S.



- NOTES:
- ALL CONCRETE ABOVE GRADE SHALL BE HAND RUBBED TO A SMOOTH FINISH.
 - CONCRETE POLE BASE BY E.C. CONCRETE TO HAVE 3500 PSI MIN COMPRESSIVE STRENGTH AT 28 DAYS AND USE ASTM A615 GRADE 60 REINFORCING STEEL.

2 SITE LIGHTING POLE BASE DETAIL
 E-100
 N.T.S.

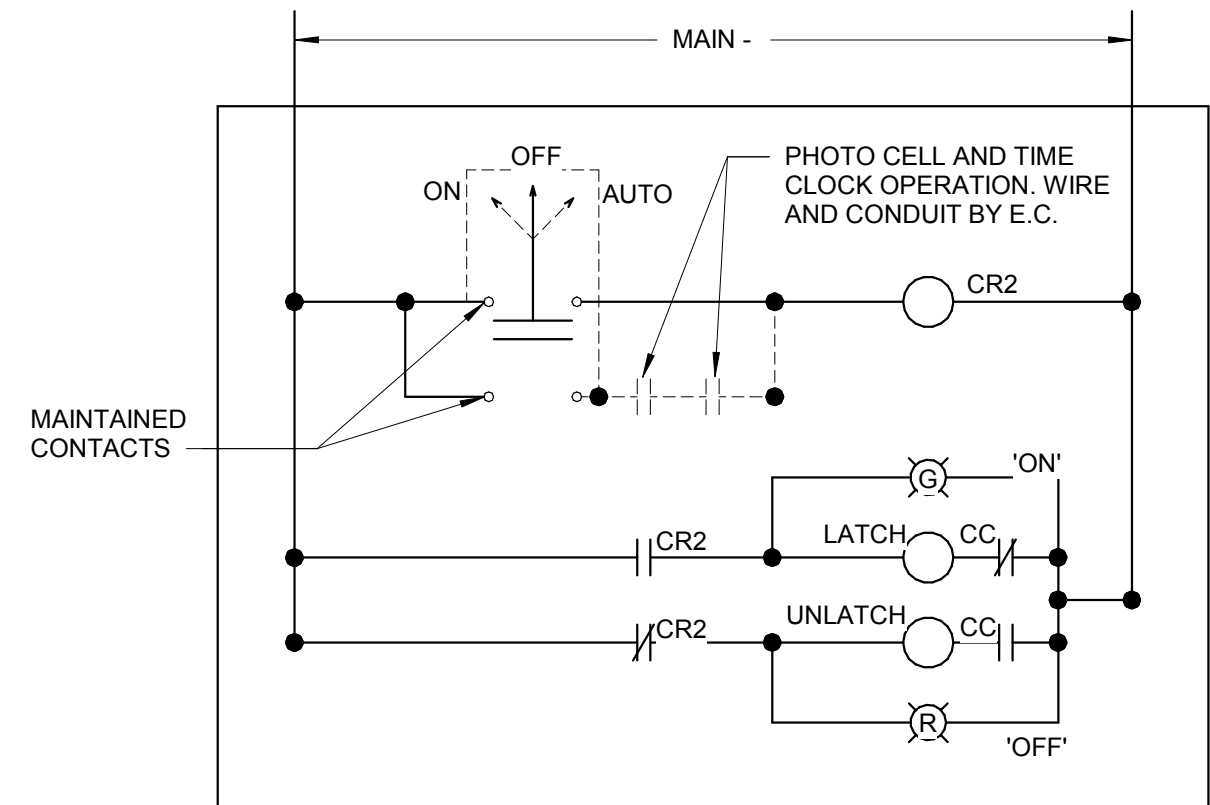


- NOTES:
- FUSED "Y" CONNECTOR TO BE FUSED AT 10 AMPS AND RATED FOR 600 VOLTS.
 - GROUND POLE AND NEUTRAL TO GROUND ROD USING CONDUCTOR INDICATED.

3 SITE LIGHTING POLE WIRING DETAIL
 E-100
 N.T.S.

SITE LIGHTING CONTACTOR SCHEDULE

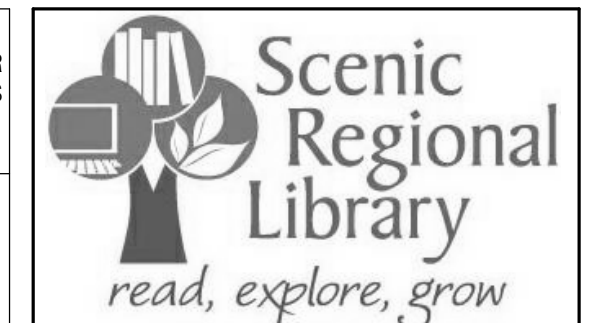
CONTACTOR NAME	POLES / AMPS	CIRCUITS	REMARKS	CONTROL CIRCUIT
LC-A	2/30	MAIN - 45/47	BUILDING LIGHTS EXTERIOR	PC-ON/ TC-OFF/ SWITCH - OVERRIDE ON



ALL WIRING SHALL BE #10 U.N.O. MECHANICALLY HELD LIGHTING CONTACTOR

4 SITE LIGHTING CONTACTOR
 E-100
 N.T.S.

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREEMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-5889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

GENERAL NOTES

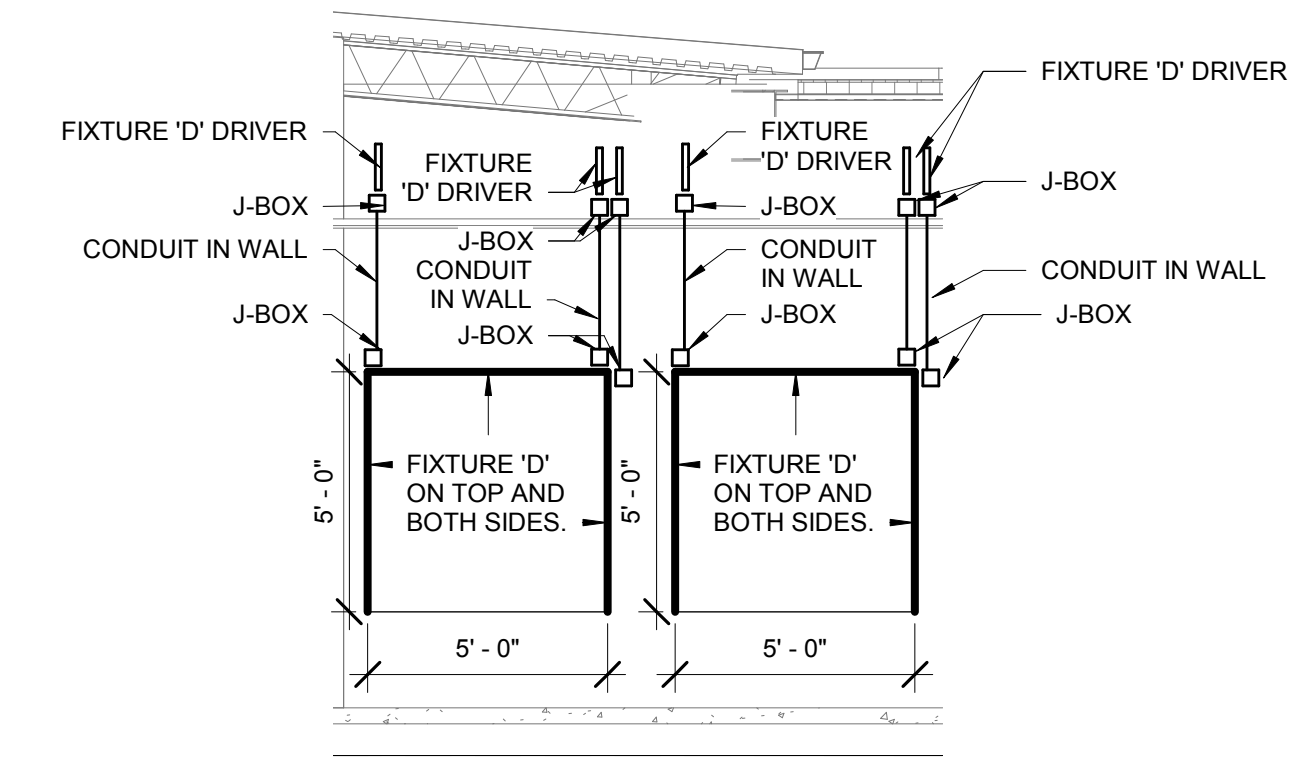
- 1 ALL LIGHTING SHALL BE CONTROLLED BY A TIME CLOCK UNLESS NOTED TO BE CONTROLLED BY AN OCCUPANCY SENSOR. REFER TO LEGEND SHEET FOR TIME CLOCK DETAILS. A TIME CLOCK OVERRIDE SWITCH SHALL BE PROVIDED IN THE WORK ROOM 108.
- 2 ALL LIGHTING IN STORAGE, OFFICES, STUDIES, MECHANICAL/ELECTRICAL, MEETING ROOM AND BATHROOMS ARE CONTROLLED BY OCCUPANCY OR MOTION SENSORS.
- 3 EGRESS LIGHTING WILL HAVE DEDICATED POWER. WHEN NO POWER IS DETECTED, EGRESS LIGHTING WILL TURN ON.
- 4 ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTS CEILING PLAN FOR FINAL LOCATION OF CEILING FIXTURES.

KEYED NOTES

- 1 ALL SITE AND BUILDING LIGHTING WILL BE CONTROLLED BY A PHOTO CELL LOCATED ON THE EXTERIOR EAST AND WEST WALLS OF THE BUILDING. PROVIDE WIRE AND CONDUIT TO THE PHOTO CELL IN SHOWN LOCATION.
- 2 PROVIDE STRIP LED LIGHT FIXTURES IN DISPLAY CASE. SEE DETAIL ON THIS SHEET FOR DISPLAY CASE LIGHTING. PROVIDE LED DRIVER ABOVE THE CEILING OR AS HIGH AS POSSIBLE. DISPLAY CASE LIGHTS SHALL BE CONTROLLED BY A DIMMING CONTROLLER AND LOW VOLTAGE DIMMING SWITCH LOCATED ABOVE THE DESK. LABEL SWITCH AS CASE LIGHTS.
- 3 EXHAUST FAN IN THE RESTROOM SHALL BE CONTROLLED BY THE LIGHTING CONTROL IN THE SPACE.
- 4 PROVIDE UNDER CABINET LIGHTING. PROVIDE LINE VOLTAGE SWITCH TO CONTROL THE LIGHT FIXTURE. UNDER CABINET LIGHT FIXTURE DRIVER SHALL BE LOCATED IN THE BACK CORNER UNDER THE CABINET.



1 FLOOR PLAN - FIRST FLOOR - ELECTRICAL LIGHTING
 1/8" = 1'-0"



2 CASE DETAIL
 1/4" = 1'-0"

LIGHT FIXTURE SCHEDULE

MARK	MANUFACTURER 1	Model	Voltage	LAMPS	MOUNTING	DESCRIPTION
A	FREELUX	TUN7	120V	7W PER 20", 75 LM/W, 80 CRI, 3500K, UNDER CABINET	SURFACE MOUNT	UNDER CABINET FIXTURE. PROVIDE DRIVER AND CABLE AS REQUIRED.
B	OCL	LO1	120V	48", 145W, 13050 LUMENS, LED, 3500K LIGHT TEMP	PENDENT / CEILING MOUNTED	PENDANT WITH 3 ANGLED AIRCRAFT CABLES AND WHITE POWER CORD TO CANOPY, MATTE WHITE POLYETHYLENE FINISH, WITH 0-10V DIMMING DRIVER.
B1	OCL	LO1	120V	72", 145W, 13050 LUMENS, LED, 3500K LIGHT TEMP	PENDENT / CEILING MOUNTED	PENDANT WITH 3 ANGLED AIRCRAFT CABLES AND WHITE POWER CORD TO CANOPY, MATTE WHITE POLYETHYLENE FINISH, WITH 0-10V DIMMING DRIVER.
C	IKEA	FILLSTA	120V	7", 11W, 600 LUMENS, LED, 3500K LIGHT TEMP	PENDENT / CEILING MOUNTED	14" DIAMETER
D	LED LINEAR	XOOLUM	120V	10 W/M, 131 LM/W, 80 CRI, 3500K WALL WASH	SURFACE MOUNT	SILVER - ADJUSTABLE MOUNT CABLE OUT THE BACK, PROVIDE DIMMABLE DRIVER. DRIVER SHALL BE LOCATED ABOVE THE CEILING.
E1	METALUX	22CZ	120V	2x2, 34.4W, 3400 LUMENS, LED, 3500K LIGHT TEMP	RECESSED LAY-IN CEILING	UNIVERSAL 120V WITH 0-10V DIMMING DRIVER.
H	METALUX	SNLED	120V	4', 25.07W, 3061 LUMENS, LED, 3500K LIGHT TEMP	CEILING SURFACE MOUNT	COMMERCIAL STRIPLIGHT, LED 4.0, CLEAR LENS, UNIVERSAL 120V WITH 0-10V DIMMING DRIVER.
J	HALO	PD6	120V	6", 17.1W, 1500 LUMENS, 80 CRI, LED, 3500K LIGHT TEMP	RECESSED CEILING MOUNT	DOWNLIGHT, SEMI-SPECULAR CLEAR, UNIVERSAL 120V WITH 0-10V DIMMING DRIVER.
JE	HALO	PD6	120V	6", 17.1W, 1500 LUMENS, 80 CRI, LED, 3500K LIGHT TEMP	RECESSED CEILING MOUNT	DOWNLIGHT, SEMI-SPECULAR CLEAR, UNIVERSAL 120V WITH 0-10V DIMMING DRIVER. WITH REMOTE EMERGENCY BACK UP BATTERY.
K	TECH LIGHTING	ELEMENT	120V	4" ROUND, FLANGE, BEVEL, 1500 LUMENS 80CRI, 3500K, 40 DEG	RECESSED CEILING MOUNT	DOWNLIGHT, SEMI-SPECULAR CLEAR, UNIVERSAL 120V WITH 0-10V DIMMING DRIVER.
M	SURE-LITES	SEL50 LED	120V	BUG EYE, LED	CEILING SURFACE MOUNT	DEDICATED BUG LIGHTING, WHITE FINISH, UNIVERSAL 120V, WITH BACKUP BATTERY
S1	COOPER LIGHTING	GALLEON	120V	9500 LUM, 4000K, 85W, T2	20" POLE RTS	PROVIDE 20' RTS POLE. SEE DETAIL ON E-100. BLACK FINISH.
S2	COOPER LIGHTING	GALLEON	120V	9500 LUM, 4000K, 85W, T3	20" POLE RTS	PROVIDE 20' RTS POLE. SEE DETAIL ON E-100. BLACK FINISH.
S3	COOPER LIGHTING	NFLD-S	120V	2700 LUM, 5000K, 3H X 3V	GRADE MOUNT	GROUNDMOUNT, PROVIDE 12" DIAMETER CONCRETE SUPPORTS.
W	COOPER LIGHTING	IST	120V	5000 LUM, 4000K, 45W, BL3	WALL MOUNTED	TRAPEZOID, BLACK FINISH, PROVIDE WEATHER SEAL AROUND BACK BOX.
WE	COOPER LIGHTING	IST	120V	5000 LUM, 4000K, 45W, BL3	WALL MOUNTED	TRAPEZOID, BLACK FINISH, PROVIDE WEATHER SEAL AROUND BACK BOX. PROVIDE WITH COLD WEATHER BATTERY PACK.
X	COOPER	LPX SERIES	120V	3.8W, LED, RED	WALL MOUNTED	LED EDGE LIT EXIT SIGN, PROVIDE SINGLE FACE, AND CHEVRONS INDICATED ON DRAWINGS.
X1	COOPER	LPX SERIES	120V	3.8W, LED, RED	WALL MOUNTED	LED EDGE LIT EXIT SIGN, PROVIDE SINGLE FACE, AND CHEVRONS INDICATED ON DRAWINGS.
X2C	COOPER	ES SERIES	120V	3.8W, LED, RED	CEILING MOUNTED	LED EDGE LIT EXIT SIGN, PROVIDE SINGLE FACE, AND CHEVRONS INDICATED ON DRAWINGS.

ROOM SCHEDULE

Number	Name
100	CIRCULATION
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH/ELEC
420	BOOK DROP

ENGINEER OF RECORD:

PRELIMINARY
 NOT FOR CONSTRUCTION

TODD L. KUNO
 MO. LICENSE NO. 2015017018
 BRIC MO CERTIFICATE OF
 AUTHORITY 2002028690

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **TLK**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
**FLOOR PLAN & LIGHT FIXTURE
 SCHEDULE - FIRST FLOOR -
 ELECTRICAL LIGHTING**

EL-201

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



SCENIC REGIONAL LIBRARY
 WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

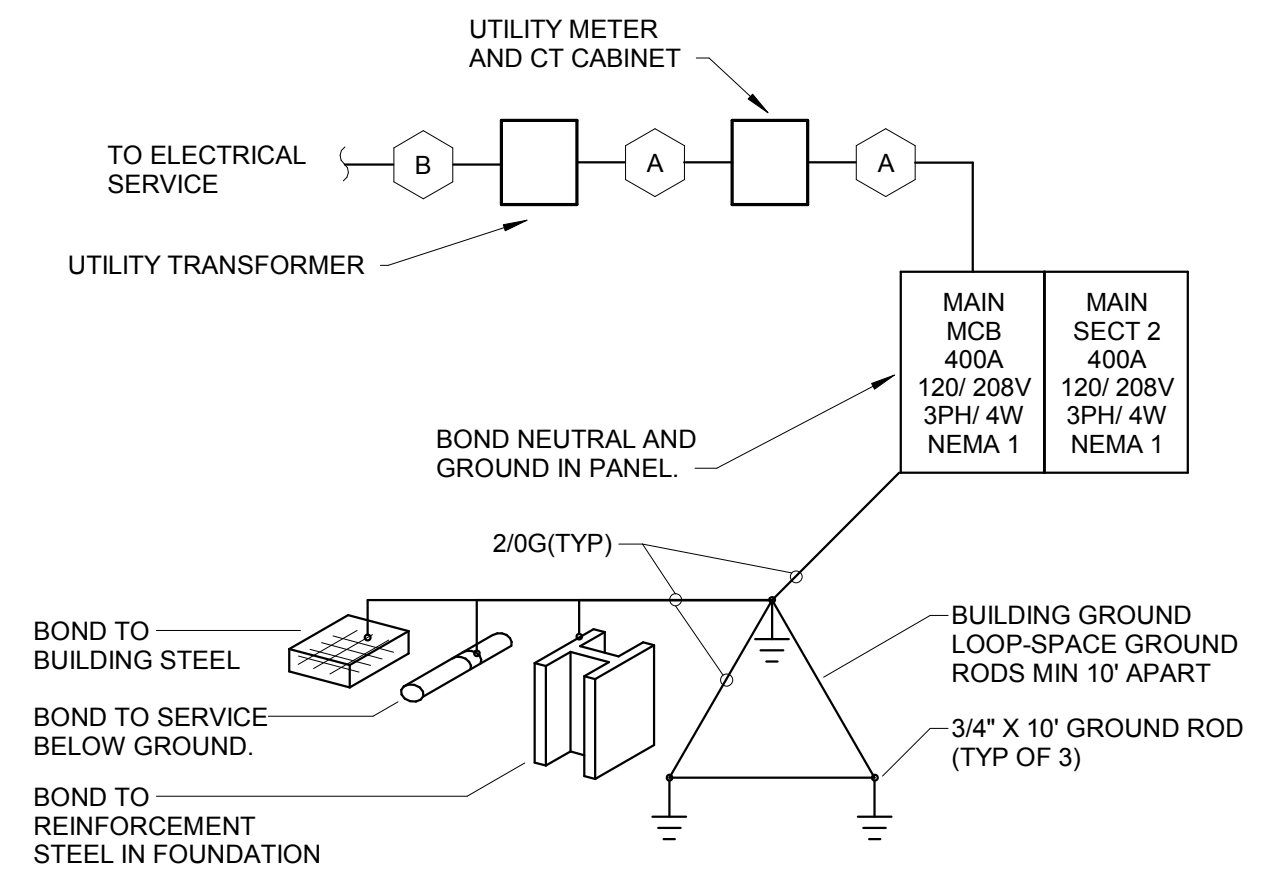
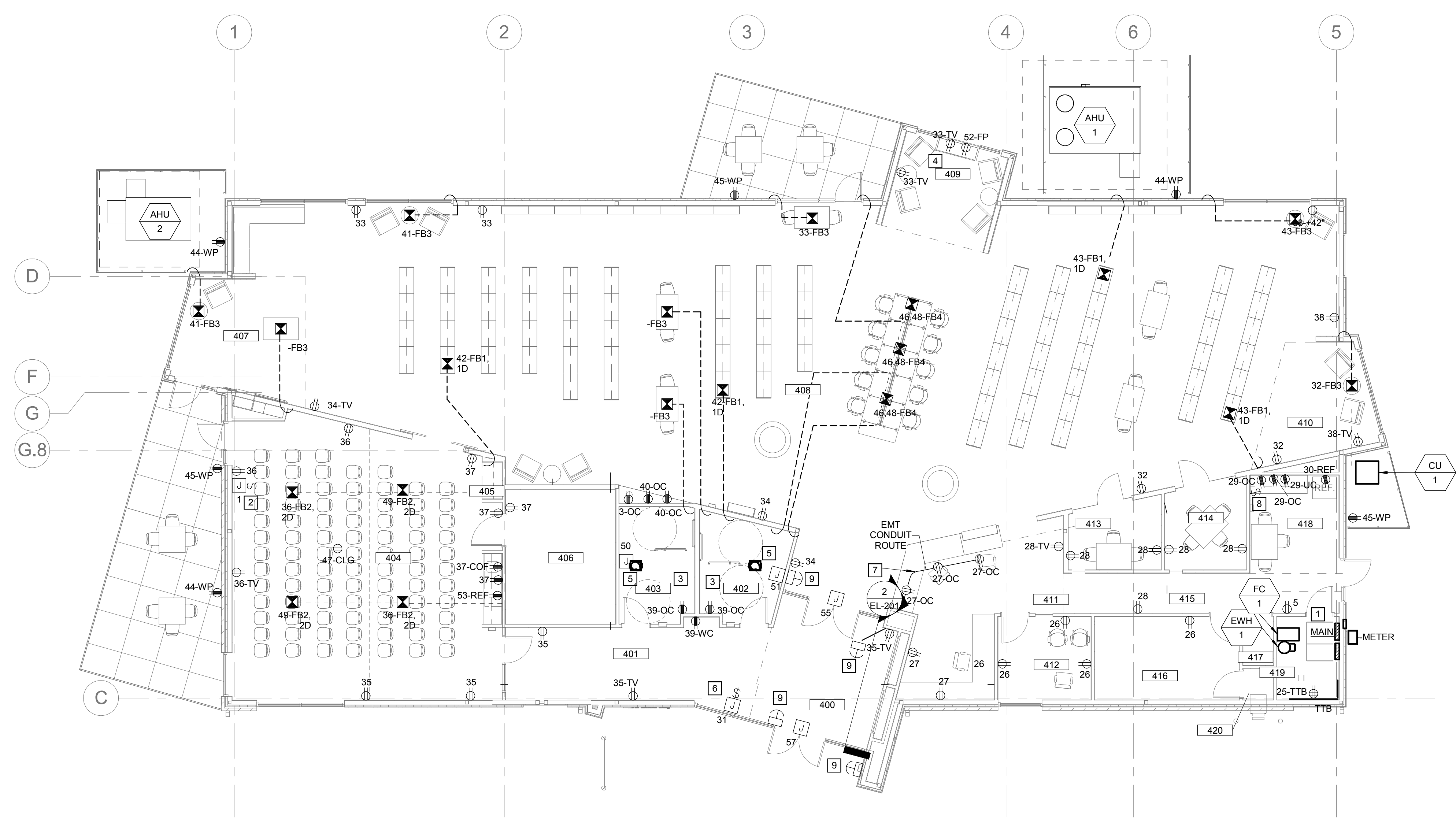
MECHANICAL, ELECTRICAL, PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-5889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

GENERAL NOTES

- FOR ALL FLOOR BOXES, PROVIDE POWER, DATA, AND CONDUIT TO EACH ACCORDINGLY. REFER TO SHEET E-001 FOR DEFINITIONS OF DIFFERENT FLOOR BOXES. CONDUIT TO BE RAN BACK TO NEAREST WALL, AS SHOWN ON DRAWINGS, UP THROUGH WALL AND BACK TO MAIN PANEL IN ELECTRICAL ROOM 115.

KEYED NOTES

- PROVIDE RECEPTACLE ON TOP OF RACK.
- PROVIDE CONNECTION TO PROJECTOR SCREEN MOTOR. PROVIDE 1/2" CONDUIT FROM THE MOTOR CONTROLLER TO THE PROJECTOR SCREEN SWITCH. PROVIDE 2 GANG BACK BOX WITH SINGLE GANG MUD RING FOR THE PROJECTOR SCREEN SWITCH. COORDINATE LOCATION WITH PROJECTOR SCREEN.
- PROVIDE 1-1/4" PVC CONDUIT FROM FLOOR BOX TO WALL AS SHOWN. CONDUIT SHALL RISE UP WALL AND STUB OUT INTO CEILING SPACE. ROUTE COMMUNICATIONS CABLING FROM BOX TO CEILING SPACE AND CONTINUE TO I.T. ROOM #115 SUPPORTED BY J-HOOKS.
- PROVIDE 1-1/4" PVC CONDUIT FROM FLOOR BOX TO WALL AS SHOWN. CONDUIT SHALL RISE UP WALL AND STUB OUT INTO CEILING SPACE. ROUTE COMMUNICATIONS CABLING FROM BOX TO CEILING SPACE AND CONTINUE TO I.T. ROOM #115 SUPPORTED BY J-HOOKS.
- PROVIDE BACK BOX FOR HAND DRYER. PROVIDE FINAL CONNECTION TO HAND DRYER. COORDINATE LOCATION WITH G.C.
- PROVIDE CONNECTION TO ADA DOOR OPENER. PROVIDE A 20AMP TOGGLE DISCONNECT SWITCH, ABOVE THE CEILING, FOR ADA OPERATOR.
- PROVIDE EMT CONDUIT TO OVER COUNTER RECEPTACLES IN WORK ROOM 411 AS SHOWN ON DRAWINGS. CONDUIT SHALL BE RAN UNDER COUNTER AND UP THROUGH DESK. PROVIDE (2) #12, (1) #12 GND, IN 1/2" CONDUIT.
- PROVIDE SWITCH FOR GARBAGE DISPOSAL.
- CONTRACTOR SHALL PROVIDE J-BOX ABOVE CEILING WITH A TOGGLE SWITCH. THE TOGGLE SWITCH SHALL BE USED AS A DISCONNECT SWITCH FOR THE ADA DOOR OPEN. PROVIDE 3/4" CONDUIT WITH PULL STRING FROM THE ADA DOOR CONTROLLER TO ADA PUSH BUTTON. PROVIDE BACK BOX AT PUSH BUTTON FOR ADA INSTALLER.



1 FLOOR PLAN - FIRST FLOOR - ELECTRICAL POWER
 EP-301 1/8" = 1'-0"

2 ELECTRICAL ONE-LINE
 EP-301 N.T.S.

FEEDER SCHEDULE									
PLAN MARK	NUMBER OF SETS	NUMBER OF HOT	HOT SIZE	NUMBER OF NEUTRAL	NEUTRAL SIZE	NUMBER OF GROUND	GROUND SIZE	CONDUIT SIZE	NOTES
A	1	3	600KCMIL	1	600KCMIL	-	-	4"	
B	1	-	-	-	-	-	-	4"	

ROOM SCHEDULE

Number	Name
100	CIRCULATION
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH / ELEC
420	BOOK DROP

ENGINEER OF RECORD:

PRELIMINARY
 NOT FOR CONSTRUCTION

TODD L. KUNO
 MO. LICENSE NO. 2015017018
 BRIC MO CERTIFICATE OF
 AUTHORITY 2000228690

No.	Date	Description
	04/14/17	ISSUED FOR BID

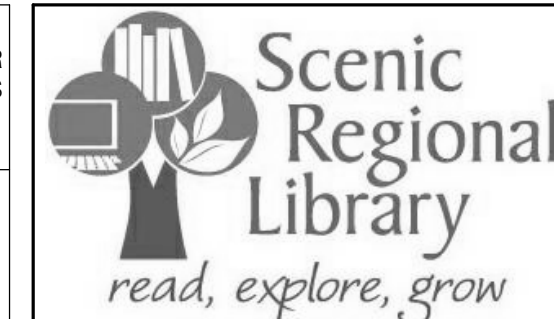
DRAWN BY: **TLK**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
FLOOR PLAN, ONE-LINE, & SCHEDULE - FIRST FLOOR - ELECTRICAL POWER

EP-301

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



SCENIC REGIONAL LIBRARY
 WRIGHT CITY BRANCH
 60 WILDCAT DRIVE
 WRIGHT CITY, MO 63390



ARCHITECT
 JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
 SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
 COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
 ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
 BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-8889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

PRELIMINARY
 NOT FOR CONSTRUCTION

TODD L. KUNO
 MO. LICENSE NO. 2015017018
 BRIC MO CERTIFICATE OF
 AUTHORITY 2000228690

No.	Date	Description
	04/14/17	ISSUED FOR BID

Number	Name
100	CIRCULATION
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH / ELEC
420	BOOK DROP

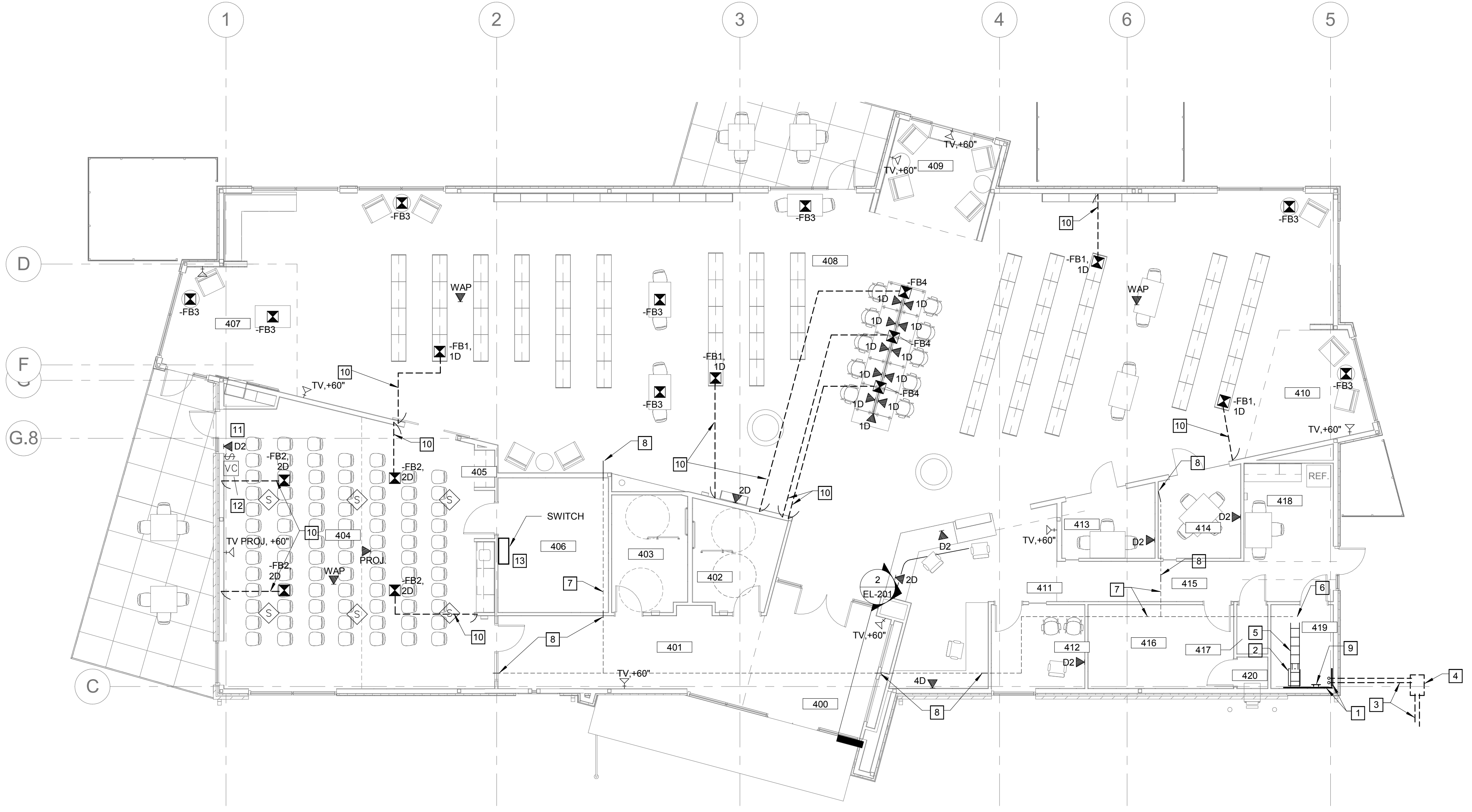
DRAWN BY: **TLK**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
FLOOR PLAN - FIRST FLOOR - ELECTRICAL DATA

E-401

- KEYED NOTES**
- 1 PROVIDE 3/4" PLYWOOD BACKBOARD FOR MOUNTING COMMUNICATIONS AND DATA EQUIPMENT. PLYWOOD SHALL BE FIRE RETARDANT UL LISTED PRODUCT. COVER WALL FROM 12" AFF TO 108" AFF.
 - 2 PROVIDE 7' TALL 45U 2-POST EQUIPMENT RACK FOR NETWORK AND COMMUNICATIONS EQUIPMENT. RACK SHALL HAVE THREE (3) 1U HORIZONTAL CABLE MANAGERS. MOUNT RACK WITH FRONT OF RACK FACING SOUTH.
 - 3 PROVIDE TWO (2) 2" UTILITY DUCTS FOR COMMUNICATIONS AND DATA SERVICES. DUCTS SHALL STUB UP 12" ABOVE FLOOR WHERE SHOWN. ROUTE FROM ROOM #115 TO UTILITY POLE AS DIRECTED BY SERVICE PROVIDERS. VERIFY.
 - 4 PROVIDE CAST FIBER CEMENT TYPE HAND HOLE WITH 2-BOLT GASKETED COVER SIMILAR TO HUBBELL #B10162230A AND COVER #C10162202A. COORDINATE WITH GRADING CONTRACTOR AND ENSURE THAT BOX IS FLUSH WITH FINISHED SURFACE AND AREA ADJACENT TO BOX DRAINS AWAY FROM BOX COVER.
 - 5 PROVIDE LADDER STYLE CABLE RUNWAY ABOVE RACK SIMILAR TO CHATSWORTH PRODUCTS #10250-712. MOUNT RUNWAY ANCHORED TO TOP OF RACK AND ATTACH TO WALL WITH MANUFACTURERS APPROVED BRACKETS AND HARDWARE.
 - 6 PROVIDE LADDER STYLE CABLE RUNWAY ABOVE RACK SIMILAR TO CHATSWORTH PRODUCTS #10250-712. MOUNT RUNWAY ANCHORED TO TOP OF RACK AND ATTACH TO WALL WITH MANUFACTURERS APPROVED BRACKETS AND HARDWARE.
 - 7 PROVIDE J-HOOK PATHWAY AT APPROX. 8" ABOVE LAY-IN CEILING FOR ROUTING NETWORK CABLING. J-HOOKS SHALL BE 4" WITH RETENTION CLIPS. PROVIDE QUANTITY AS REQUIRED. COORDINATE WITH ALL TRADES AND ADJUST EXACT ROUTING TO PROVIDE ADEQUATE CLEARANCE. ALL CABLING SHALL BE TRAINED, BUNDLED AND LASHED WITH RELEASABLE VELCRO STRAPS. NYLON CABLE TIES ARE NOT ACCEPTABLE. THE DESIGN INTENT IS THAT THIS PATH REPRESENTS A MAJOR ROUTING FOR THE MAJORITY OF CABLING. INDIVIDUAL DROPS AND BUNDLES OF LESS THAN SIX CABLES SHALL UTILIZE 2" J-HOOKS.
 - 8 PROVIDE 4" CONDUIT SLEEVE ABOVE AREA WITH DRYWALL CEILING OR THROUGH WALLS EXTENDING TO DECK. CONDUITS SHALL HAVE BUSHINGS ON ENDS. COORDINATE WITH ALL TRADES AND ADJUST LOCATIONS TO PROVIDE ADEQUATE CLEARANCE. REFERENCE KEY NOTE #7 AND ALIGN WITH PATHWAY.
 - 9 PROVIDE TELECOMMUNICATIONS GROUND BUS FOR BONDING ALL METAL OBJECTS AND EQUIPMENT CHASSIS IN ROOM. BUS SHALL BE 12"x2"x1/4" THICK COPPER W/IT PRE-DRILLED HOLES TO MEET ANSITIA 607-B STANDARDS. PROVIDE #2 CU BACKBONE BONDING CONDUCTOR CONNECTED TO ELECTRICAL SERVICE GROUNDING ELECTRODE. ALL BONDING CONDUCTORS SHALL TERMINATE TO BUS WITH TWO-HOLE COMPRESSION CRIMP LUGS SIZED FOR THE INDIVIDUAL CONDUCTORS. BOND RACK FRAME, CONDUIT SLEEVES, TRAY, EQUIPMENT AND ANY EXPOSED BUILDING STEEL TO BUS WITH #6 AWG COPPER WIRE WITH GREEN INSULATION.
 - 10 PROVIDE 1-1/4" PVC CONDUIT FROM FLOOR BOX TO WALL AS SHOWN. CONDUIT SHALL RISE UP WALL AND STUB OUT INTO CEILING SPACE. ROUTE COMMUNICATIONS CABLING FROM BOX TO CEILING SPACE AND CONTINUE TO I.T. ROOM #115 SUPPORTED BY J-HOOKS.
 - 11 PROVIDE HDMI OUTLET AND DATA IN FACE PLATE AT THE TV LOCATION AND DATA BOX. PROVIDE 1" CONDUIT FROM THE TV OUTLET BOX TO THE DATA (OC) BOX. PROVIDE HDMI CABLE BETWEEN THE TV OUTLET AND DATA OUTLET. PROVIDE TERMINATIONS FOR HDMI CABLE AT BOTH LOCATIONS.
 - 12 PROVIDE AV SPEAKER VOLUME CONTROLLER AND AV CONTROLLER. SEE DETAILS ON SHEET E-600. COORDINATE LOCATIONS WITH POWER AND LIGHTING CONTROL DEVICE.
 - 13 PROVIDE AV SYSTEM SWITCH ON WALL. SEE DETAIL SHEET E-600.



1 FLOOR PLAN - FIRST FLOOR - ELECTRICAL DATA
 E-401 1/8" = 1'-0"

ROOM SCHEDULE

Number	Name
100	CIRCULATION
400	VESTIBULE
401	CORRIDOR
402	MENS
403	WOMENS
404	MEETING ROOM
405	COATS
406	STORAGE
407	CHILDREN AREA
408	CIRCULATION
409	ADULT AREA
410	TEEN AREA
411	WORK ROOM
412	OFFICE
413	STUDY
414	STUDY
415	CORRIDOR
416	STORAGE
417	JANITORS CLOSET
418	BREAK ROOM
419	MECH / ELEC
420	BOOK DROP

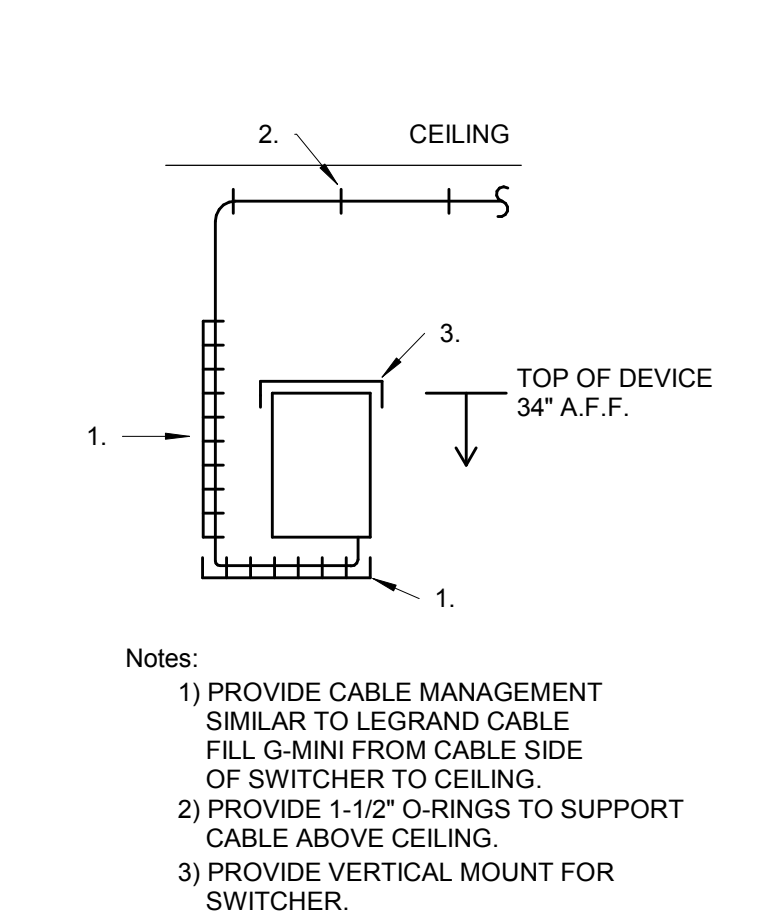
No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **TLK**
PROJECT NUMBER: **16-1161.03**

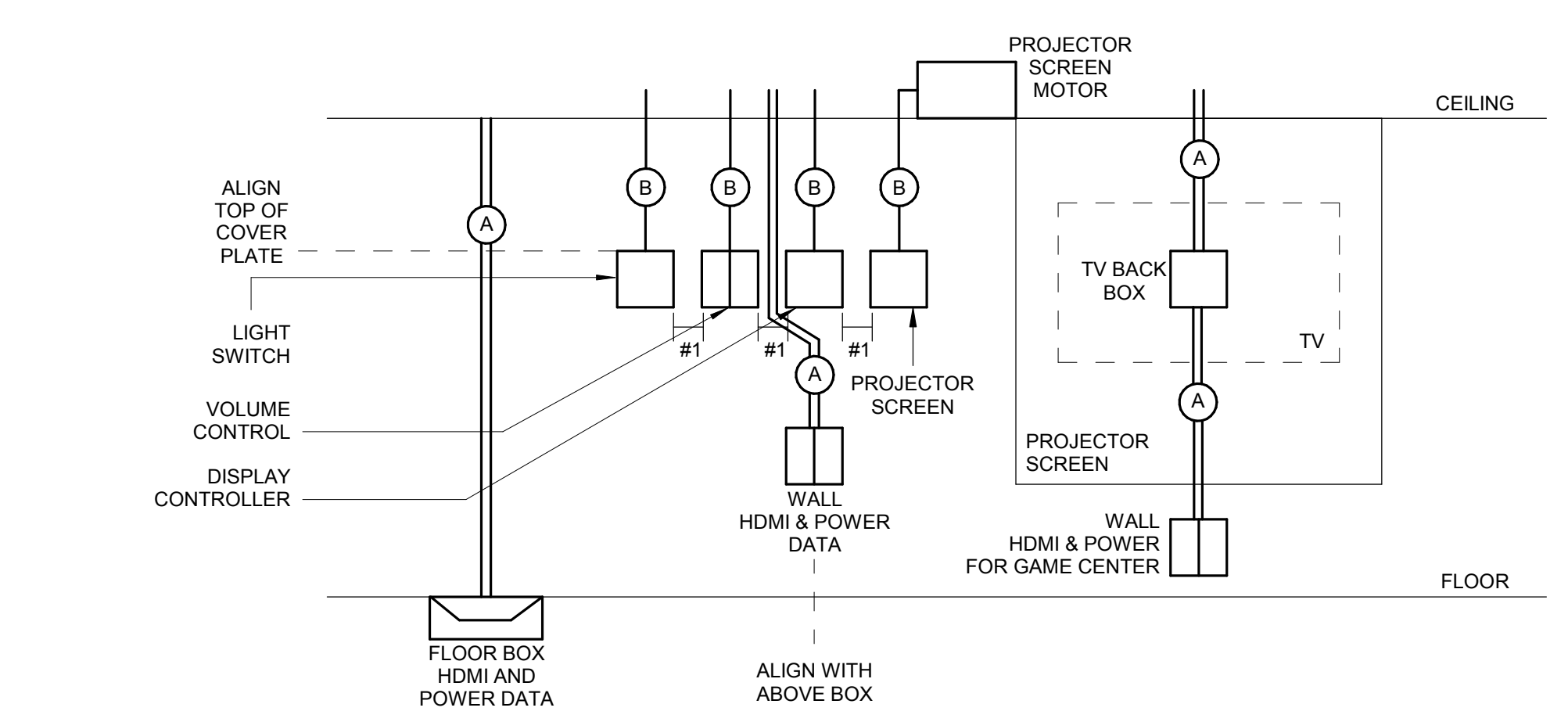
SHEET TITLE:
DETAILS - ELECTRICAL

E-801

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



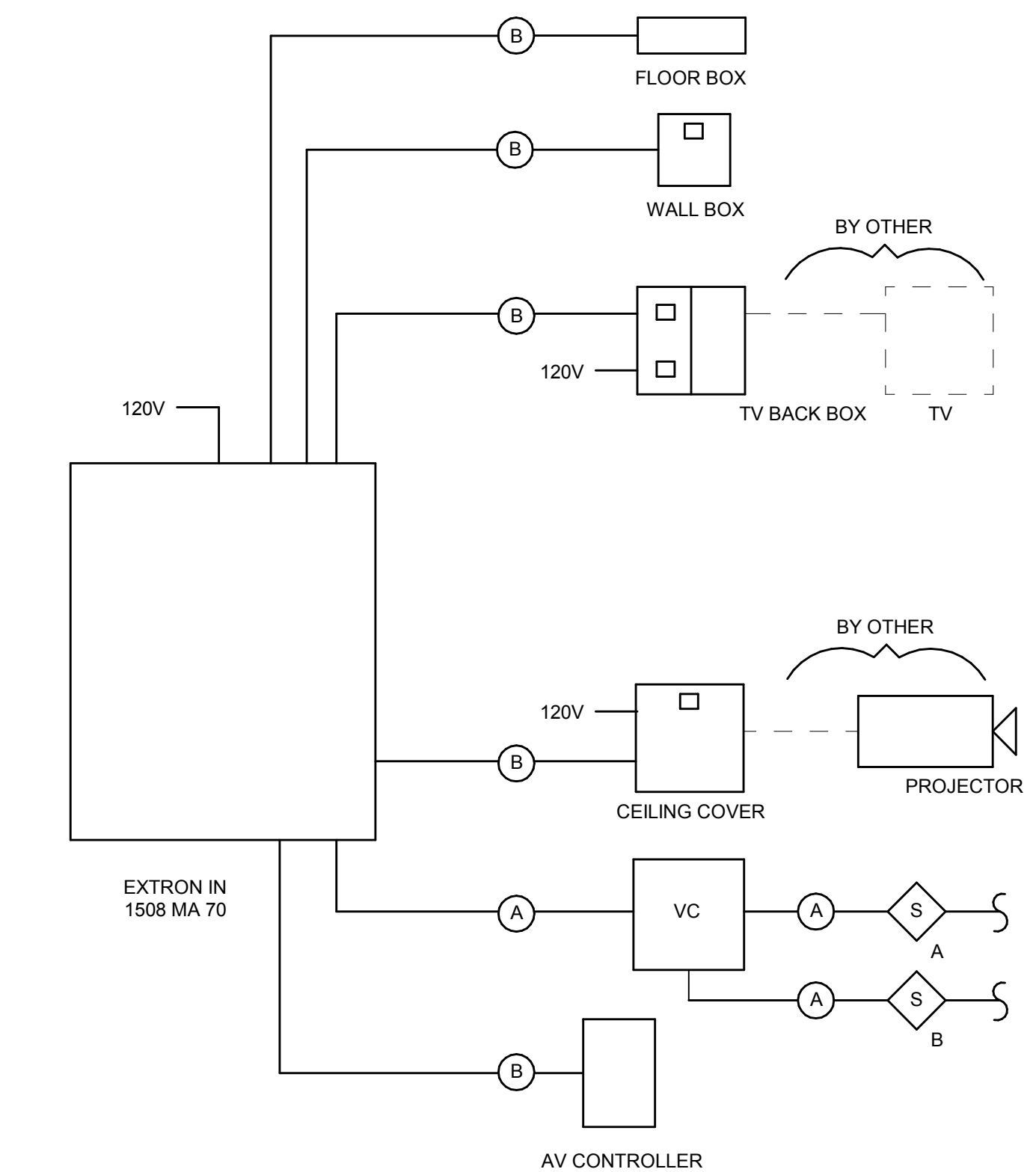
2 AV SWITCH ELEVATIONS
E-801 N.T.S.



1 AV DEVICE LAYOUT
E-801 N.T.S.

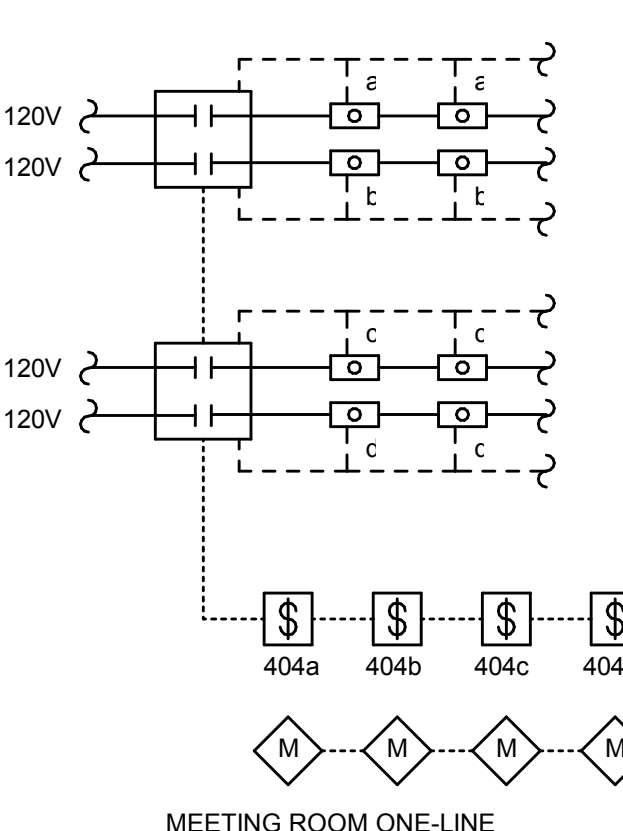
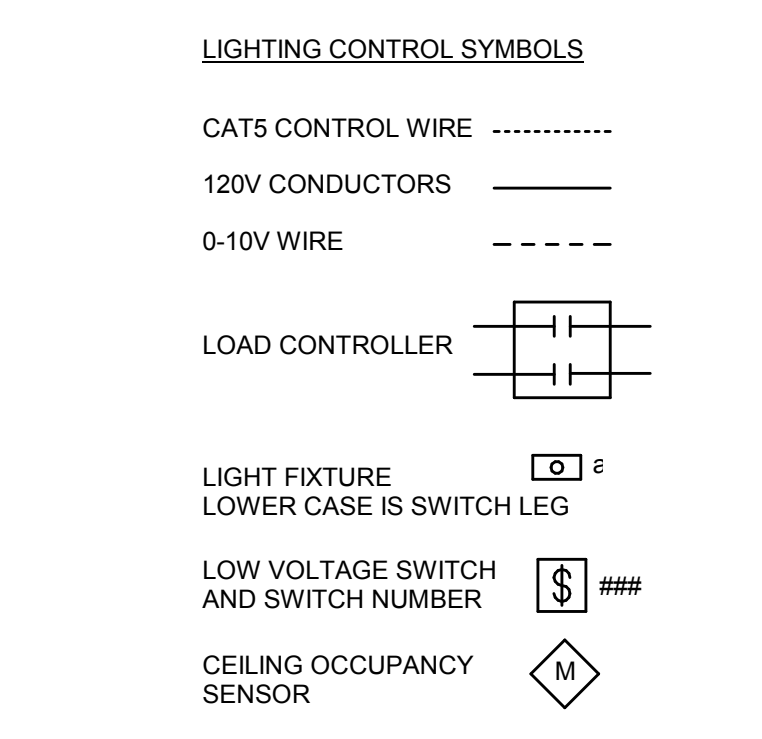
NOTES:
#1) SPACE BACK BOX SO THAT THERE IS 1" BETWEEN EACH COVER PLATE. PROVIDE THE REQUIRED BLOCKING TO MOUNT BOXES.

CONDUIT SIZE		
TYPE	POWER	TYPE
(A)	(1) 3/4"	(1) 1- 1/4"
(B)	-	(1) 3/4"
(C)	(1) 3/4"	-

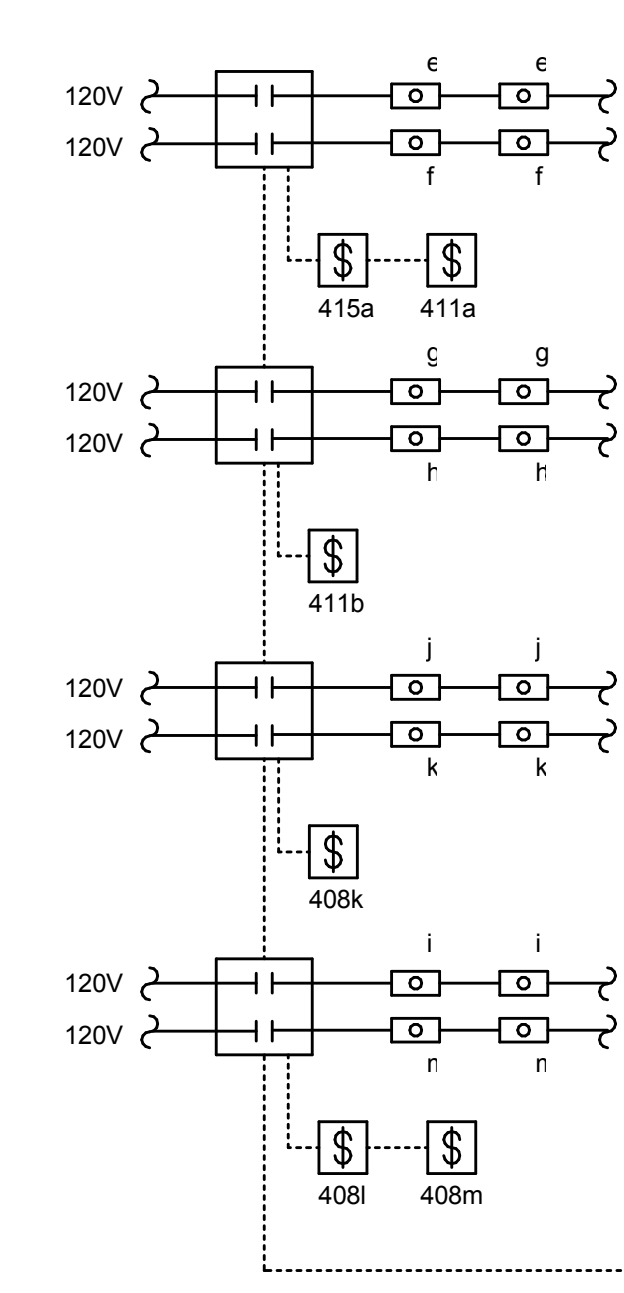


WIRE (A) - 70V PLENUM 2#14 PAIR
(B) - HYBRID HDMI CABLE LIBERTY DL-HFC-##
(C) - STP-2P PLENUM RATED CONTROL WIRE
(D) - HDMI
AV CONTROLLER [EBP-IOS D]
FLOOR BOX
WALL
MUTE
PROJECTOR
CEILING SPEAKER - ATLAS FAG3T-W [TAP AT 8W] [SEE FLOOR PLAN FOR NUMBER]
VOLUME CONTROLLER - LOWELV 2SLVC

4 A / V WIRE DIAGRAM
E-801 N.T.S.



MEETING ROOM CONTROL			
CONTROL DEVICE	BUTTONS	CIRCUIT CONTROL	CONTROL TYPE
\$ 404a	a b	a,b,c,d FUTURE	ALL ON/OFF - 100%
\$ 404b	a b	a,b FUTURE	ALL ON/OFF - 100%
\$ 404c	a b c d	c,d c d DIMMING	c,d - ON/OFF - 100% c - ON/OFF - 100% d - ON/OFF - 100% DIM SELECTED
\$ 404d	a b c d e f	a,b,c,d a b c d DIMMING	a,b,c,d - ON/OFF - 100% a - ON/OFF - 100% b - ON/OFF - 100% c - ON/OFF - 100% d - ON/OFF - 100% DIM SELECTED
M	OCCUPANCY SENSOR SHALL BE SET UP AS A VACANCY SENSOR. TO TURN OFF THE LIGHTS IN THE ROOM AFTER 30 MINUTES OF NO OCCUPANCIES SENSOR.		

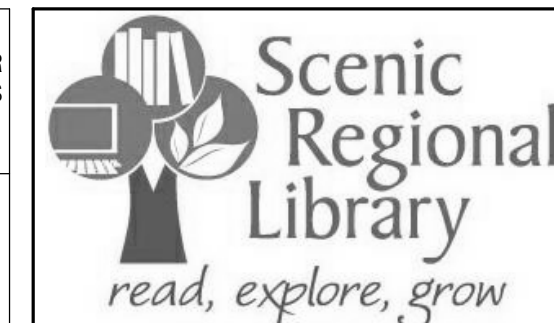


MEETING ROOM CONTROL			
CONTROL DEVICE	BUTTONS	CIRCUIT CONTROL	CONTROL TYPE
\$ 415a	a	e	ALL - ON/OFF - 100%
\$ 411a	a b	e f	e - ON/OFF - 100% f - ON/OFF - 100%
\$ 411b	a b c d e f j	g,h,j,k,l,m,n,o,p,q,r,s	ALL - ON/OFF - 100% g - ON/OFF - 100% h - ON/OFF - 100% s - ON/OFF - 100% r - ON/OFF - 100% j - ON/OFF - 100%
\$ 408k	a	k	k - ON/OFF - 100%
\$ 408l	a	l	l - ON/OFF - 100%
\$ 408m	a	m	m - ON/OFF - 100%
\$ 408n	a	n	n - ON/OFF - 100%
\$ 408o	a	o	o - ON/OFF - 100%
\$ 408p	a	p	p - ON/OFF - 100%
\$ t	a b	t DIMMER	t - ON/OFF - 100% DIM t SWITCH LEG

ALL LIGHTS SHALL BE CONTROLLED WITH A TIME CLOCK. COORDINATE HOURS WITH OWNER.

3 LIGHTING CONTROLS DIAGRAM
E-801 N.T.S.

THE PROFESSIONAL ENGINEER'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, INSTRUMENTS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ENGINEER, AND THIS ENGINEER EXPRESSLY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR SUCH PLAN, DRAWINGS OR DOCUMENTS NOT EXHIBITING THIS SEAL.



SCENIC REGIONAL LIBRARY
WRIGHT CITY BRANCH
60 WILDCAT DRIVE
WRIGHT CITY, MO 63390



ARCHITECT
JEMA
 3005 LOCUST ST.
 ST. LOUIS, MO 63103
 T (314) 531-7400
 CONTACT: SCOTT CLARK
 E-MAIL: SCLARK@JEMASTL.COM

ARCHITECT
SAPP DESIGN ASSOCIATES ARCHITECTS
 3750 SOUTH FREMONT
 SPRINGFIELD, MO 65804
 T (417) 877-9600
 F (417) 877-9696
 CONTACT: JAMES STUFFLEBEAM
 E: STUFFLEBEAM@SDAARCHITECTS.COM

CIVIL
COCHRAN
 530A E. INDEPENDENCE DRIVE
 UNION, MO 63084
 CONTACT: DAVE VAN LEER
 T (636) 584-0540
 F (636) 584-0512
 E-MAIL: DVANLEER@COCHRAN.COM

STRUCTURAL
ALPER AUDI, INC.
 1804 BORMAN CIRCLE DRIVE
 ST. LOUIS, MO 63146
 T (314) 432-8600
 F (314) 807-2774
 CONTACT: STEVE EHRETT
 E-MAIL: STEVE.EHRETT@ALPERAUDI.COM

MECHANICAL, ELECTRICAL, PLUMBING
BRIC PARTNERSHIP, LLC
 343 S. KIRKWOOD ROAD, SUITE 204
 KIRKWOOD, MO 63122
 T (314) 725-8889
 CONTACT: BRUCE COLEMAN
 E: BCOLEMAN@BRICPARTNERSHIP.COM

ENGINEER OF RECORD:

 PRELIMINARY
 NOT FOR CONSTRUCTION

TODD L. KUNO
 MO. LICENSE NO. 2015017018
 BRIC MO CERTIFICATE OF AUTHORITY 2002028690

No.	Date	Description
	04/14/17	ISSUED FOR BID

DRAWN BY: **TLK**

PROJECT NUMBER: **16-1161.03**

SHEET TITLE:
SCHEDULES - ELECTRICAL

E-901

MECHANICAL EQUIPMENT ELECTRICAL DATA SCHEDULE

PLAN MARK	DISCRPTION / LOCATION	HORSEPOWER	APPARENT LOAD	VOLTAGE	PHASE	NEMA ENCL. TYPE	STARTER				DISCONNECT				CONTROL DEVICE			FEEDER SIZE / RACEWAY	REMARKS					
							FURNISHED BY	INSTALLED BY	TYPE	NEMA TYPE	AUXILIARY CONTACTS	LOCATION	FURNISHED BY	INSTALLED BY	TYPE	SWITCH SIZE	FUSE SIZE			LOCATION	FURNISHED BY	WIRE BY	PANEL	
AHU	1	AIR HANDLER	28080 VA	208 V	3	NEMA 3R	EM	EM	-	-	-	-	IN UNIT	EC	EC	-	100 AMP	-	ON WALL	MC	MC	MAIN	(3)#1,(1)#8, 1 1/4"C.	
AHU	2	AIR HANDLER	10368 VA	208 V	3	NEMA 3R	EM	EM	-	-	-	-	IN UNIT	EC	EC	-	80 AMP	-	ON WALL	MC	MC	MAIN	(3)#8,(1)#10, 1"C.	-
CU	1	CONDENSING UNIT	3931 VA	208 V	1	NEMA 3R	EM	EM	-	-	-	-	IN UNIT	EC	EC	-	30 AMP	-	ON WALL	MC	MC	MAIN	(2)#8,(1)#10, 1"C.	
EWH	1	WATER HEATER	5500 VA	208 V	3	NEMA 1	EM	EM	-	-	-	-	IN UNIT	EC	EC	-	30 AMP	-	ON WALL	MC	MC	MAIN	(3)#10,(1)#10, 3/4"C.	
FC	1	FAN COIL	1140 VA	120 V	1	NEMA 1	EM	EM	-	-	-	-	IN UNIT	EC	EC	-	30 AMP	-	ON WALL	MC	MC	MAIN	(2)#12,(1)#12, 3/4"C.	

LEGEND
 EC - ELECTRICAL CONTRACTOR
 EM - EQUIPMENT MANUFACTURER
 FVNR - FULL VOLTAGE NON REVERSING
 MC - MECHANICAL CONTRACTOR
 NF - NON FUSED
 NI - NON INTERRUPTING
 NO/NC - NORMALLY OPEN/NORMALLY CLOSED
 TS - TOGGLE SWITCH

PANEL: MAIN OC DEVICE TYPE: BREAKER ENCLOSURE: NEMA 1 MAINS: 400 MCP CONTINUOUS: 400 A
 LOCATION: MECH / ELEC 115 DEVICE FAMILY: BOLT ON MOUNTING: WALL WIRING: 3 PHASE 4 WIRE BUS SC RATING: NEXT ABOVE CALC
 FED FROM: VOLTAGE: 120/208 Wye VOLTAGE: 120/208 Wye FAULT CURRENT: 25672 AIC CALC

CKT	DESCRIPTION	Panel Notes	OC	P	A	B	C	P	OC	Panel Notes	DESCRIPTION	CKT			
1	GEN MEETING ROOM 101		20 A	1	0 VA	3456 VA			3	45 A	AHU-2	2			
3	REC		20 A	1		180 VA	3456 VA		--	--		4			
5	REC MECH / ELEC 115		20 A	1			180 VA	3456 VA	--	--		6			
7	AHU-3		20 A	1	1140 VA	1833 VA			3	20 A	EW-1	8			
9	CU-1		30 A	2		1966 VA	1833 VA		--	--		10			
11	--	--	--	--			1966 VA	1833 VA	--	--		12			
13	LTS CIRCULATION 100		20 A	1	482 VA	516 VA			1	20 A	LTS CIRCULATION 100	14			
15	LTS CIRCULATION 100		20 A	1		378 VA	378 VA		1	20 A	LTS CIRCULATION 100	16			
17	LTS CIRCULATION 100		20 A	1			1416 VA	1465 VA	1	20 A	LTS CIRCULATION 100	18			
19	LTS MEETING ROOM 101		20 A	1	550 VA	212 VA			1	20 A	LTS ST. 102/ RESTROOMS 104, 103	20			
21	LTS WORK ROOM 108/ST/MECH/ELEC/STUDY		20 A	1		964 VA	400 VA		1	20 A	LTS BUILDING	22			
23	EGRESS LIGHTING		20 A	1			51 VA	376 VA	1	20 A	LTS SITE	24			
25	REC MECH/ELEC		20 A	1	360 VA	720 VA			1	20 A	REC WORK ROOM 108	26			
27	REC WORK ROOM COUNTER		20 A	1		900 VA	1080 VA		1	20 A	REC STUDY 109/110	28			
29	REC BRK RM 111		20 A	1			540 VA	180 VA	1	20 A	REC BRK RM 111 REFRIGERATOR	30			
31	GEN CORRIDOR 105		20 A	1	0 VA	720 VA			1	20 A	REC CIRCULATION 100 FLOOR BOXES	32			
33	REC CIRCULATION 100/FLOOR BOXES		20 A	1		1080 VA	540 VA		1	20 A	REC CIRCULATION 100 FLOOR BOXES	34			
35	REC CORRIDOR 105		20 A	1			900 VA	1260 VA	1	20 A	REC MEETING ROOM 101	36			
37	REC MEETING ROOM 101		20 A	1	900 VA	540 VA			1	20 A	REC CIRCULATION 100	38			
39	REC WOMENS 104/MEN 103/WC		20 A	1		540 VA	360 VA		1	20 A	REC CIRCULATION 100 COUNTER TOP	40			
41	REC CIRCULATION 100 FLOOR BOXES		20 A	1			1080 VA	1080 VA	1	20 A	REC CIRCULATION 100 FLOOR BOXES	42			
43	REC CIRCULATION 100 FLOOR BOXES		20 A	1	720 VA	540 VA			1	20 A	REC BUILDING POWER	44			
45	REC BUILDING POWER		20 A	1		540 VA	540 VA		2	20 A	REC CIRCULATION 100 FLOOR BOXES	46			
47	REC MEETING ROOM 101		20 A	1			180 VA	540 VA	--	--	--	48			
49	REC MEETING ROOM 101		20 A	1	720 VA	0 VA			1	20 A	GEN WOMENS 104	50			
51	GEN MENS 103		20 A	1		0 VA	180 VA		1	20 A	REC	52			
53	REC MEETING ROOM 101		20 A	1			180 VA	0 VA	1	20 A	Spare	54			
55	GEN VESTIBULE ADA		20 A	1	0 VA	0 VA			1	20 A	Spare	56			
57	ADA DOOR		20 A	1		0 VA	0 VA		1	20 A	Spare	58			
59	Spare	--	20 A	1				0 VA	0 VA	1	20 A	Spare	60		
61	Spare	--	20 A	1	0 VA	0 VA			1	20 A	Spare	62			
63	Spare	--	20 A	1		0 VA	0 VA		1	20 A	Spare	64			
65	Spare	--	20 A	1			0 VA	0 VA	1	20 A	Spare	66			
67	Spare	--	20 A	1	0 VA	0 VA			1	20 A	Spare	68			
69	Spare	--	20 A	1		0 VA	0 VA		1	20 A	Spare	70			
71	Spare	--	20 A	1			0 VA	0 VA	1	20 A	Spare	72			
73	Spare	--	20 A	1	0 VA	0 VA			1	20 A	Spare	74			
75	Spare	--	20 A	1		0 VA	0 VA		1	20 A	Spare	76			
77	Spare	--	20 A	1			0 VA	0 VA	1	20 A	Spare	78			
79	Spare	--	20 A	1	0 VA	0 VA			1	20 A	Spare	80			
81	Spare	--	20 A	1		0 VA	0 VA		1	20 A	Spare	82			
83	Spare	--	20 A	1			0 VA	0 VA	1	20 A	Spare	84			
					13409 VA	15316 VA	16682 VA								
					112 A	130 A	141 A								
TOTAL CONNECTED LOAD:					45407 VA					TOTAL CONNECTED AMPS:					126 A
TOTAL DEMAND LOAD:					41767 VA					TOTAL DEMAND AMPS:					116 A