

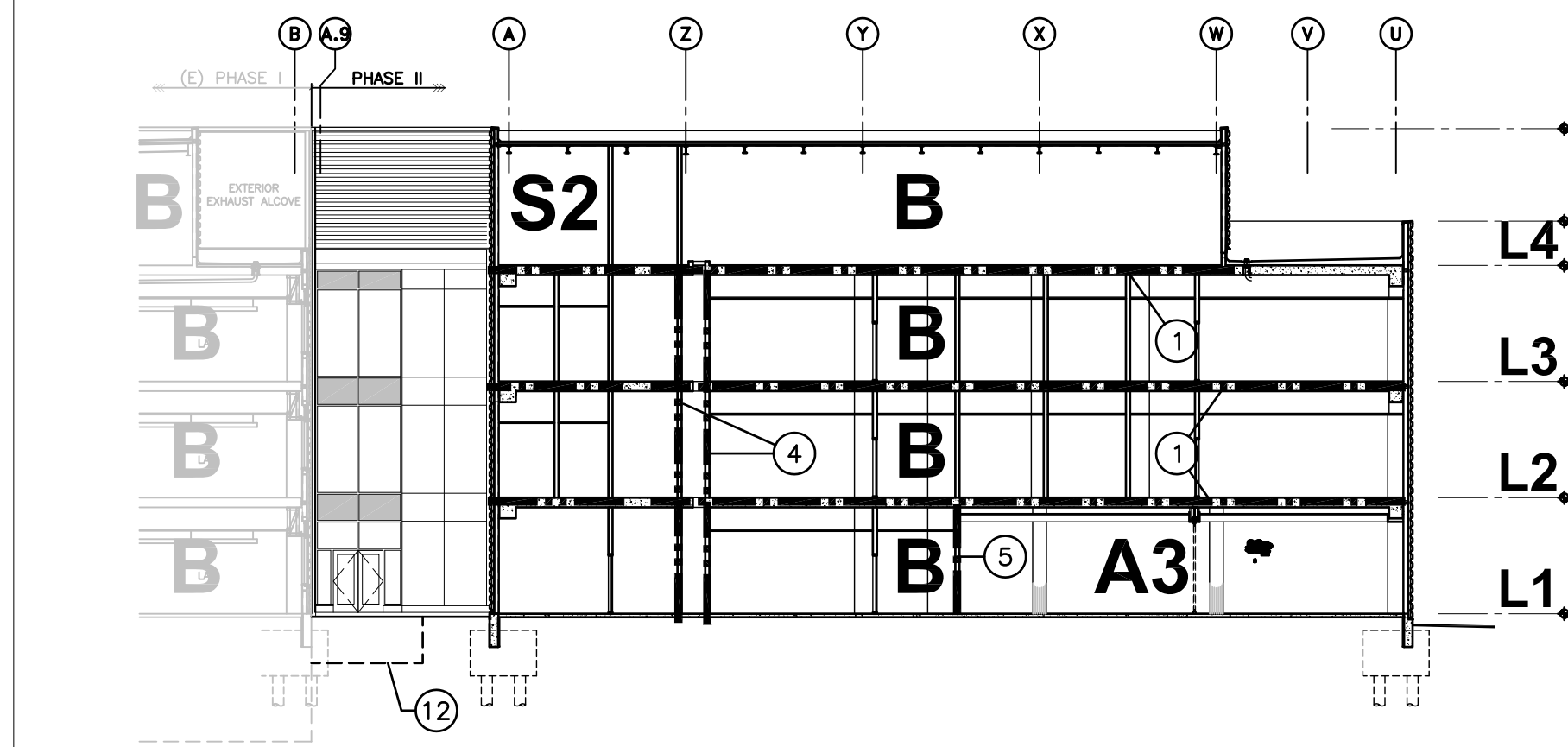


KEN MORRISON LIFE SCIENCES RESEARCH CENTER ADDITION

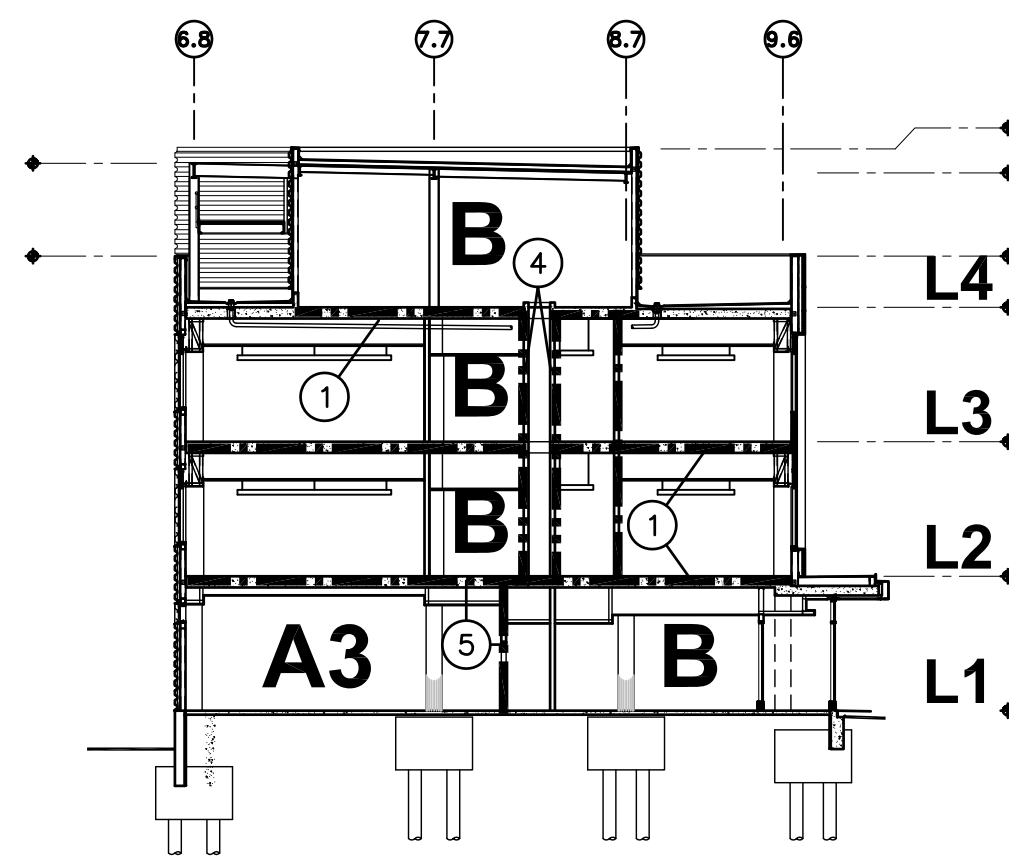
NEBRASKA CENTER FOR VIROLOGY PHASE II

Issue for Construction

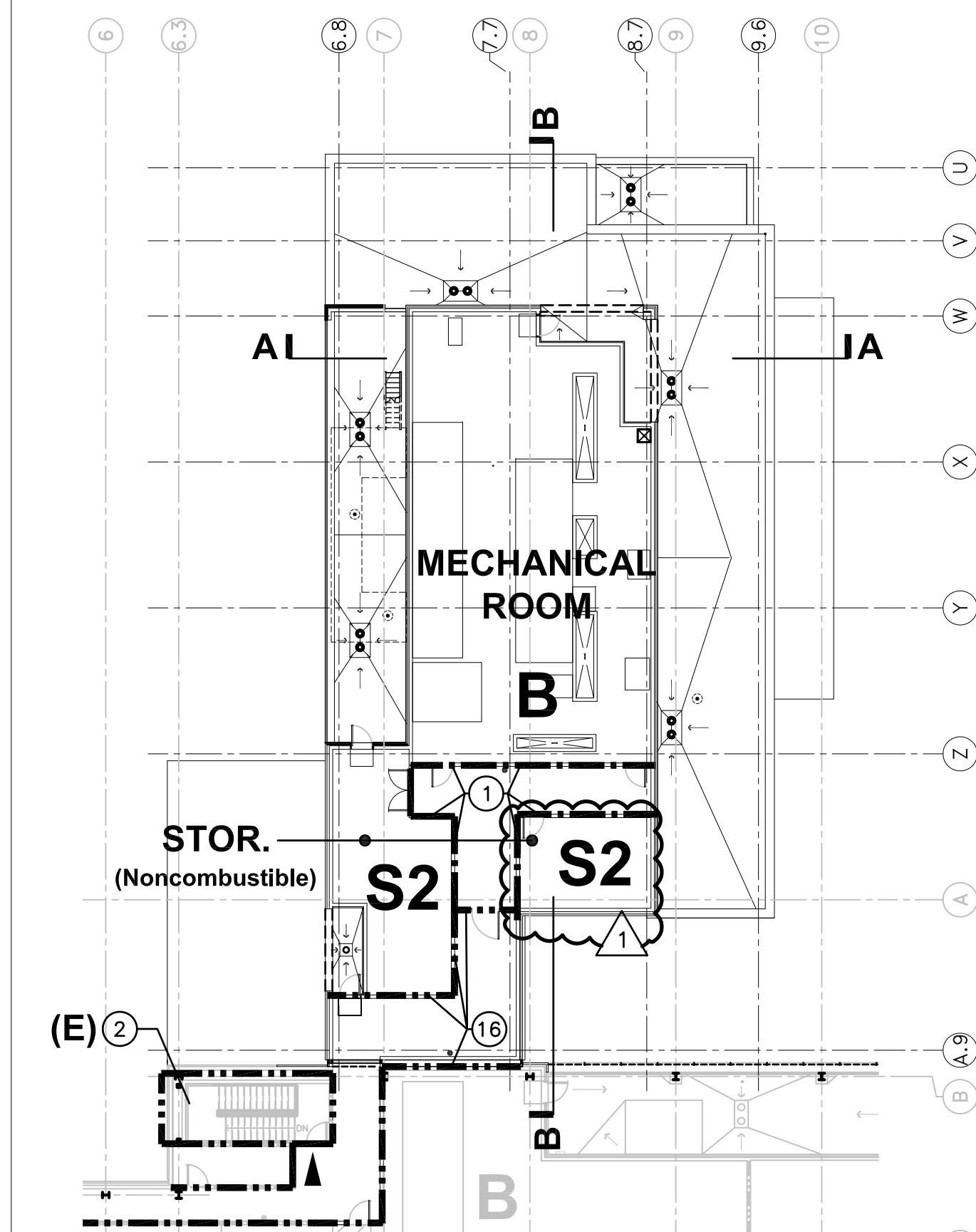
May 26, 2011



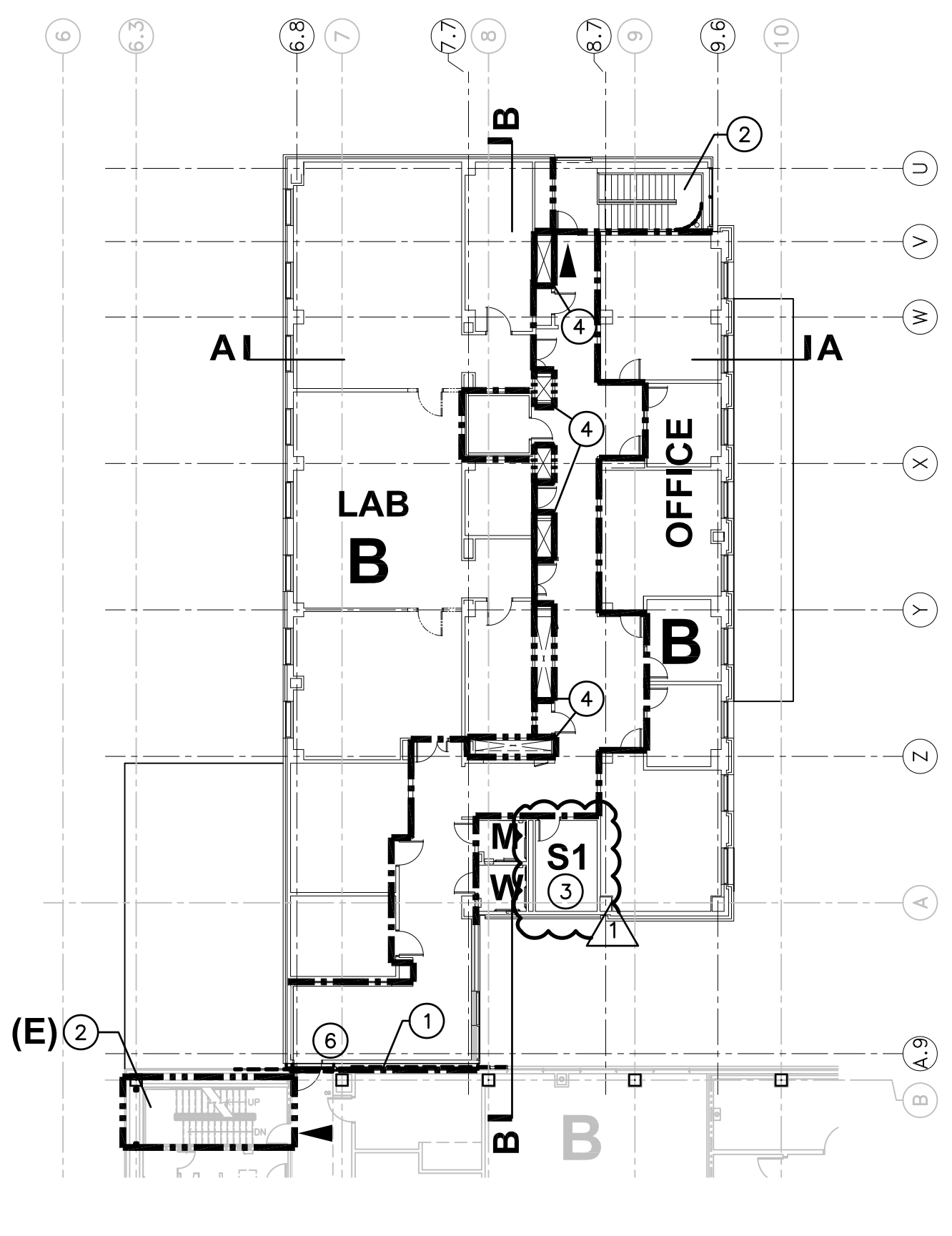
B SECTION
1"=20'-0"



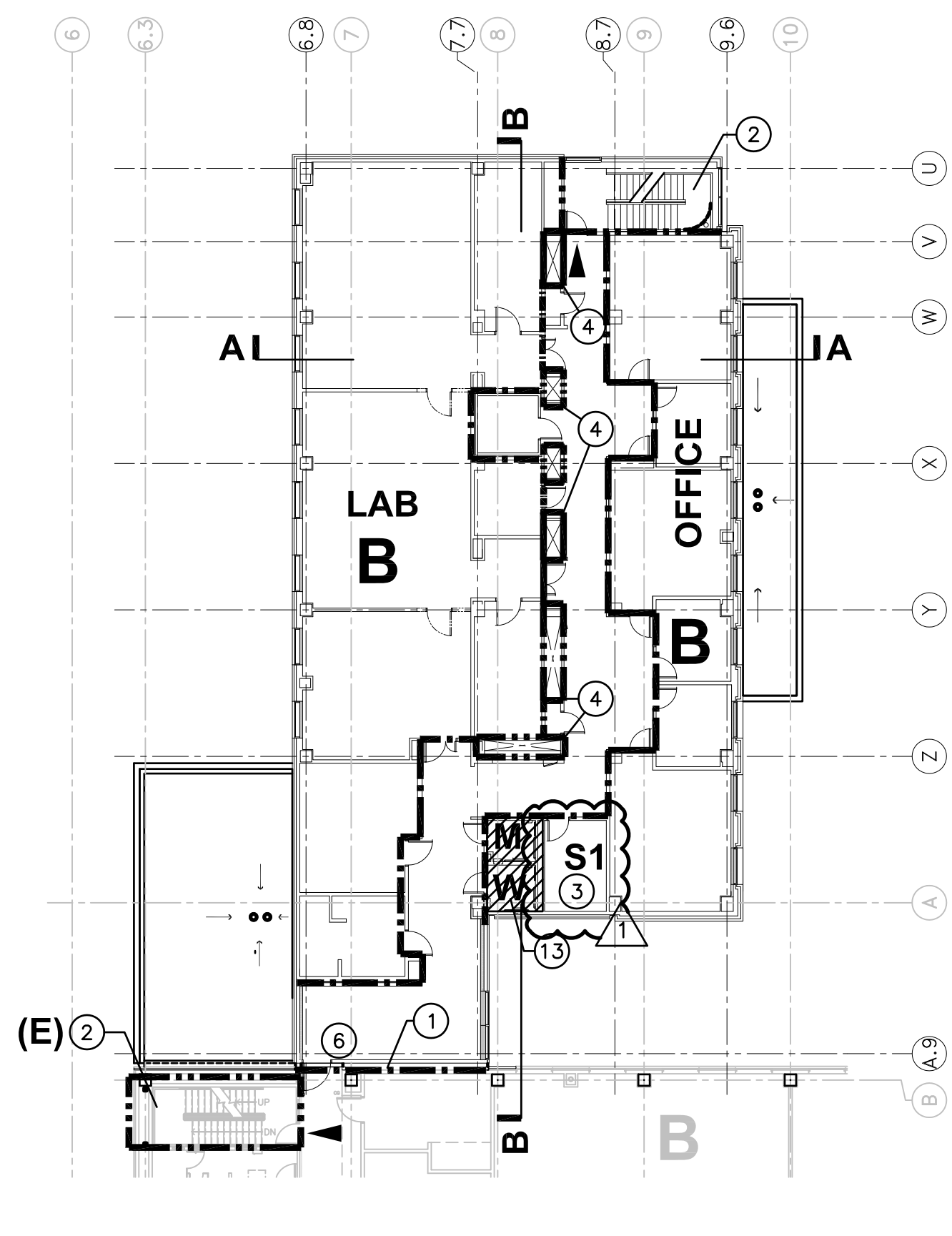
A SECTION
1"=20'-0"



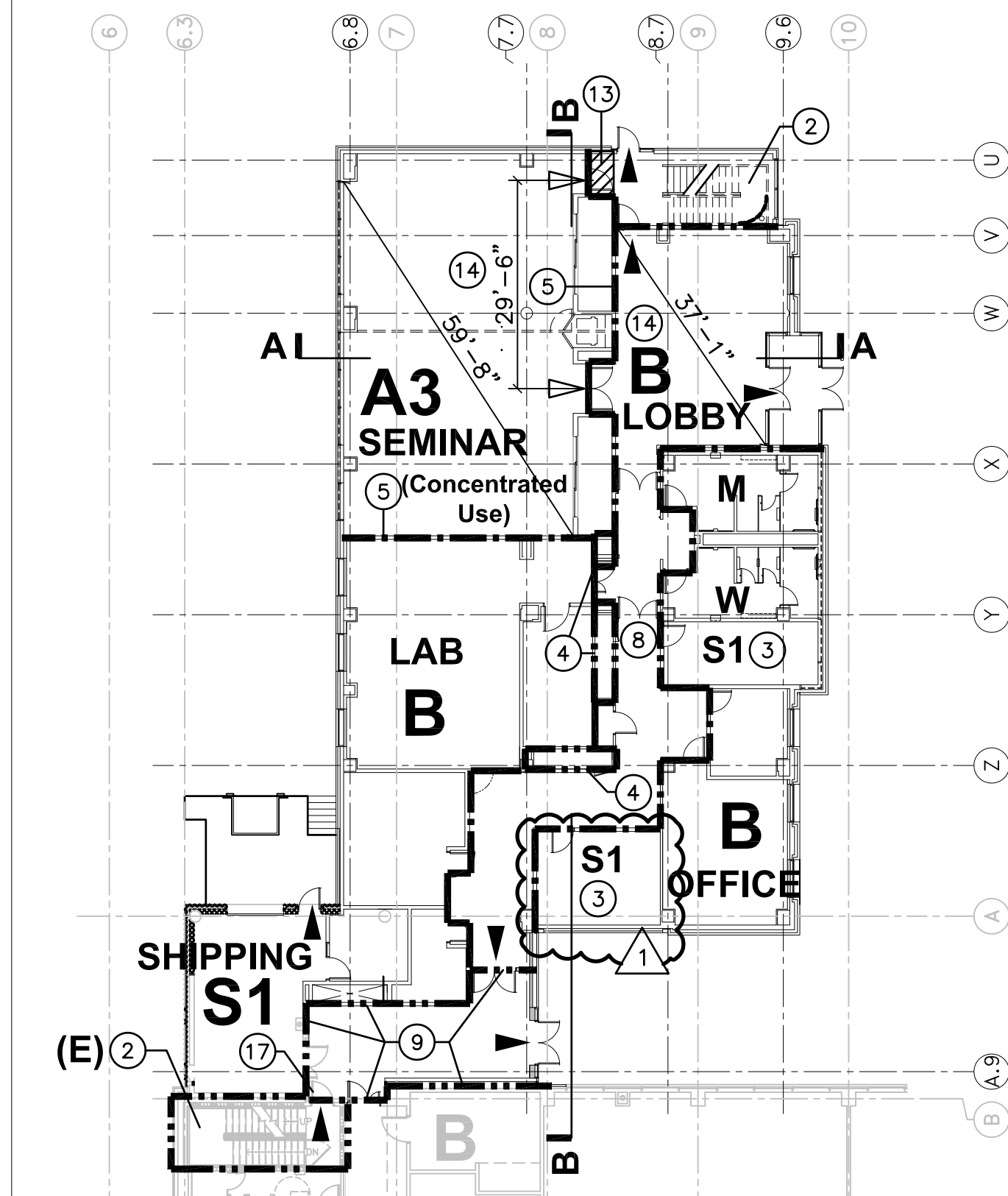
6 LEVEL 4 - MECHANICAL
1"=20'-0"



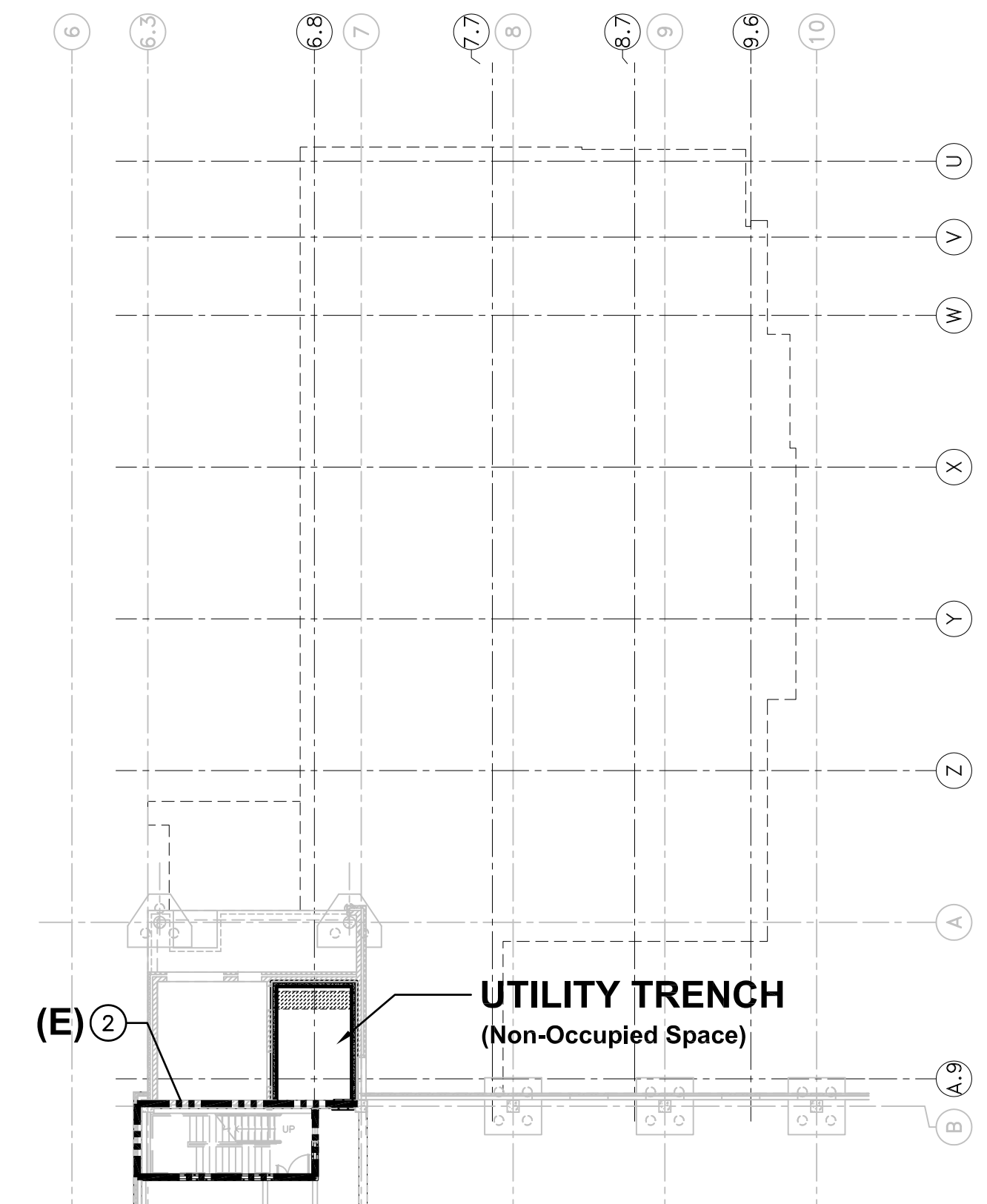
5 LEVEL 3
1"=20'-0"



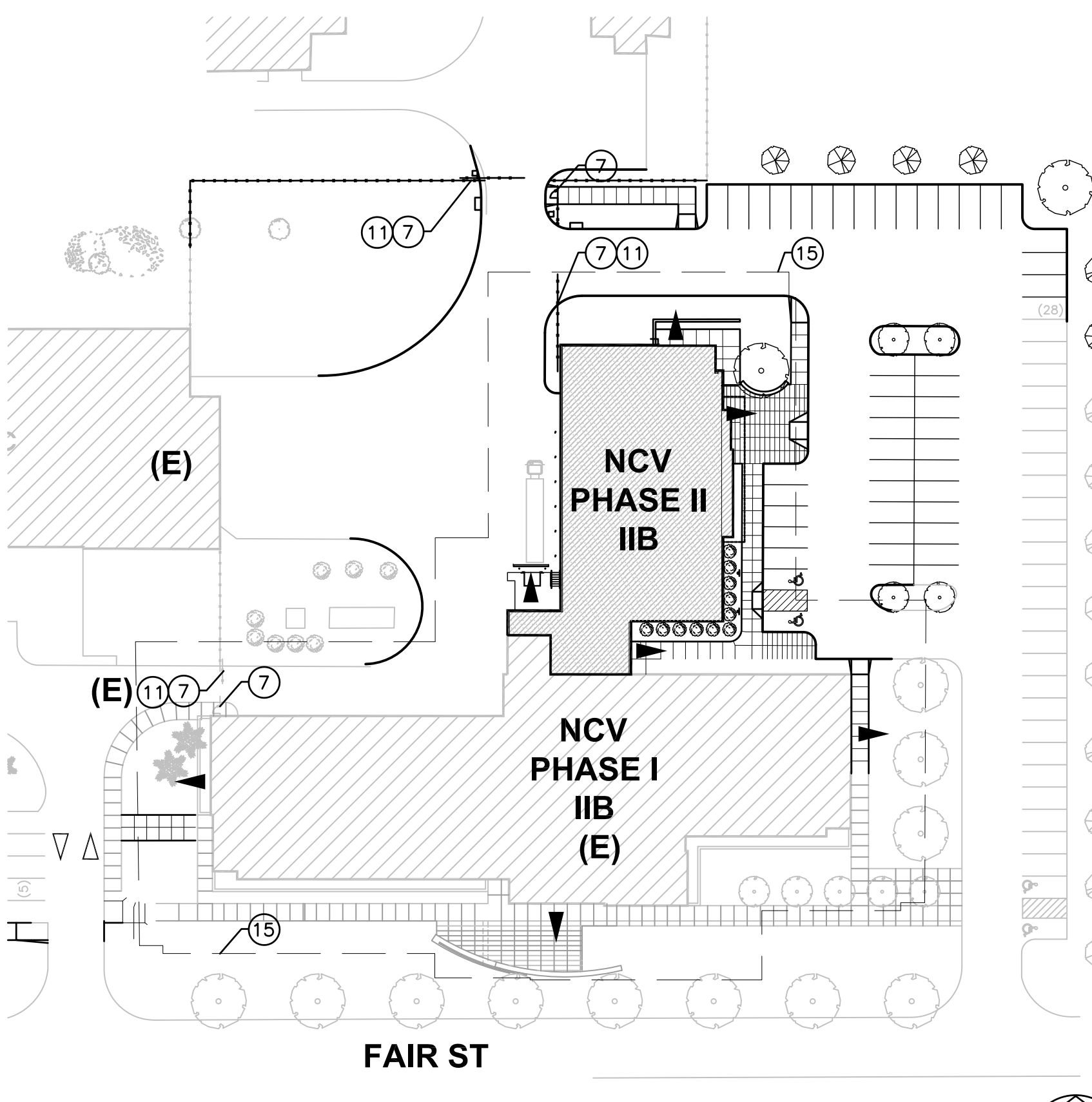
4 LEVEL 2
1"=20'-0"



3 LEVEL 1 - GROUND
1"=20'-0"



2 LEVEL 0 - BASEMENT
1"=20'-0"



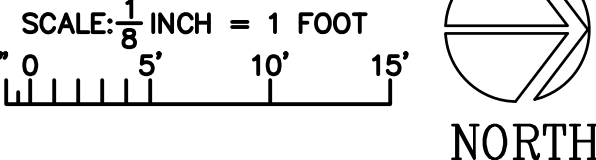
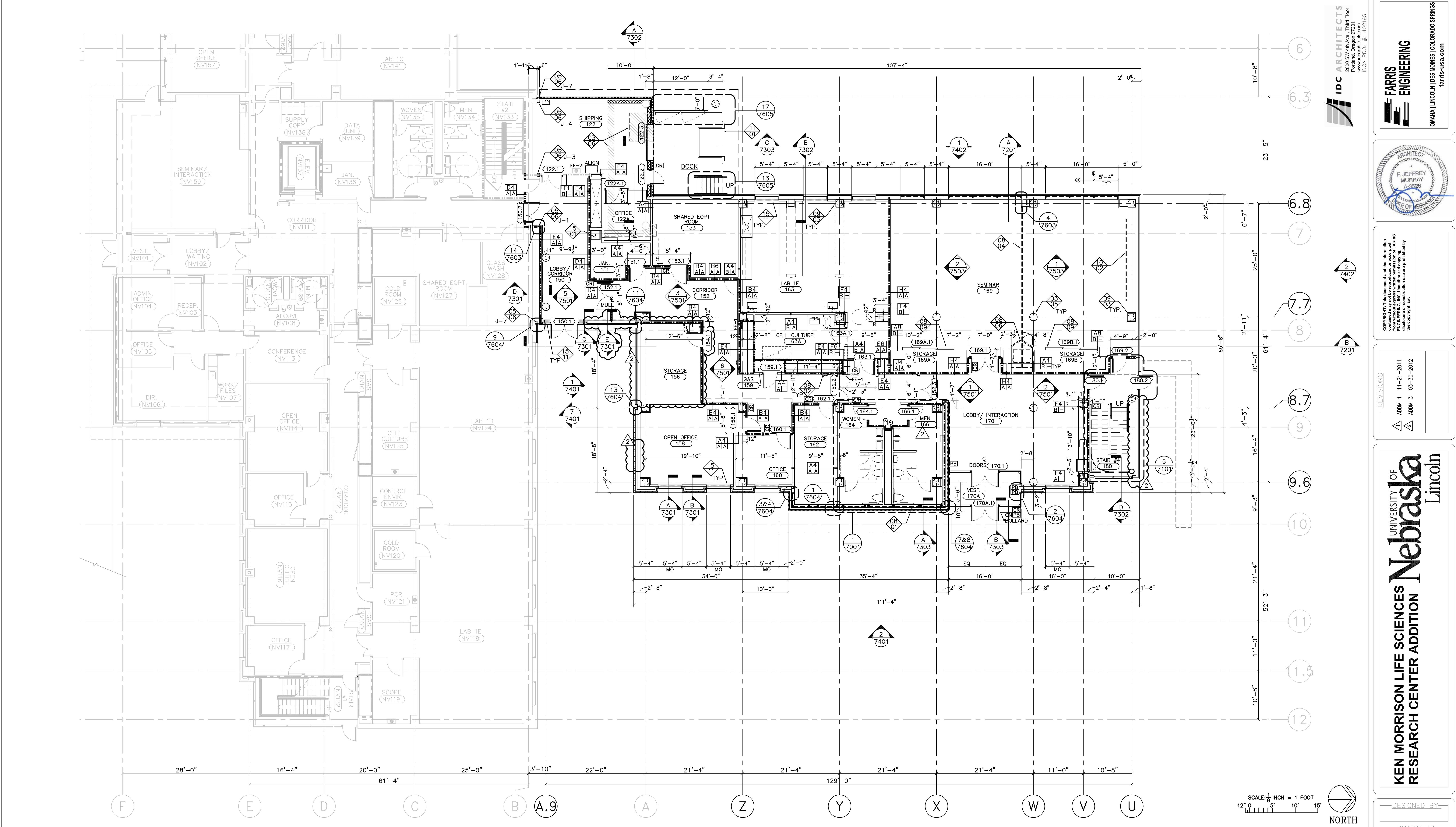
1 SITE PLAN
1"=50'-0"

SCALE: 1 INCH = 50 FEET
50' 0 50'



SCALE: 1 INCH = 20 FEET
20' 0 20'

NOTES				PLUMBING FIXTURE CALCULATIONS - IPC TABLE 403.1 ^{0,1}								
A	EMERGENCY SHOWERS AND EYEWASH STATIONS CONFORM TO ANSI/ISEA 2358.1.			WATER CLOSETS				LABORATORIES		SHOWER ^A	DRINKING FOUNTAIN	SINK ^C
B	TWO DRINKING FOUNTAINS REQUIRED PER IBC 1109.5.1.			MENS	WOMENS	MENS	WOMENS	MENS	WOMENS			
C	ONLY ONE SERVICE SINK IS REQUIRED FOR ENTIRE BUILDING.			1 per 125		1 per 65		1 per 200		1 per 500	1 SERVICE SINK	
D	TRAVEL DISTANCE < 500 FT & NOT MORE THAN 1-STORY (ABOVE/BELOW).			2		3		1		NOTE B	1	
E	BASEMENT & MECHANICAL LEVEL 4 NOT NORMALLY OCCUPIED SPACES.			1 per 25 (1ST 50') + 1 per 50		1 per 25 (1ST 50') + 1 per 50		1 per 40 (1ST 80') + 1 per 80		1 per 500	1 SERVICE SINK	
A3	AREA (SF)	7 NET PER SF (EACH)	AUDITORIUMS WITHOUT SEATING	4		4		3		NOTE B	1	
	2,625	188	SEMINAR / INTERACTION - LEVEL 1	6		7		4		0	2	
B	AREA (SF)	100 GROSS PER SF (EACH)	BUSINESS AREAS	7		7		5		6	2	
	24,980	125	OFFICE/CONF - LEVEL 1	TOTAL - REQUIRED (BY LEVEL)		TOTAL - ACTUAL (BY LEVEL)		TOTAL - REQUIRED (BY LEVEL)		TOTAL - ACTUAL (BY LEVEL)		
	LEVEL 1, OKAY			4		4		3		3		
B	AREA (SF)	100 GROSS PER SF (EACH)	BUSINESS AREAS	4		4		3		NOTE B	1	
	25,285	126	OFFICE - LEVEL 2	4		4		3		0	2	
	LEVEL 2, OKAY			TOTAL - REQUIRED (BY LEVEL)		TOTAL - ACTUAL (BY LEVEL)		TOTAL - REQUIRED (BY LEVEL)		TOTAL - ACTUAL (BY LEVEL)		
				4		4		3		3		
B	AREA (SF)	100 GROSS PER SF (EACH)	BUSINESS AREAS	4		4		3		NOTE B	1	
	25,285	126	OFFICE - LEVEL 3	4		4		3		0	2	
	LEVEL 3, OKAY			TOTAL - REQUIRED (BY LEVEL)		TOTAL - ACTUAL (BY LEVEL)		TOTAL - REQUIRED (BY LEVEL)		TOTAL - ACTUAL (BY LEVEL)		
				4		4		3		3		
B	AREA (SF)	100 GROSS PER SF (EACH)	BUSINESS AREAS	4		4		3		NOTE B	1	
	25,285	126	OFFICE - LEVEL 3	4		4		3		0	2	
	LEVEL 3, OKAY			TOTAL - REQUIRED (BY LEVEL)		TOTAL - ACTUAL (BY LEVEL)		TOTAL - REQUIRED (BY LEVEL)		TOTAL - ACTUAL (BY LEVEL)		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		
				15		15		11		11		



GENERAL NOTES

- LAB LAYOUTS ARE SHOWN FOR REFERENCE ONLY. REFER TO LAB DRAWINGS FOR MORE DETAIL.
- SEE SHEET NVA-0001 FOR ADDITIONAL GENERAL NOTES AND LEGEND.
- SUSPENDED ACOUSTIC TILE TO BE CENTERED IN ROOM UNLESS NOTED OTHERWISE..

KEYED NOTES

KEYNOTE TAG

- XX-101 SPECIFICATION DIVISION NUMBER
KEYNOTE NUMBER
SPECIFICATION TAG

02 - SITEWORK

- GALV. CHAIN LINK FENCING
- SUBDRAINAGE AT BOTTOM OF WALL

03 - CONCRETE

- CONCRETE CURB
- HOUSEKEEPING PAD
- CONCRETE PLATFORM
- EQUIPMENT PAD
- CONCRETE COLUMN

- LEVEL EXISTING SLAB AT LOCATION OF DEMOLITION FOR SMOOTH FINISH SURFACE. PREP FOR SCHEDULED FLOOR FINISH

05 - METALS

- ALUM COMPOSITE PANEL (ACP)
- PAINTED WELDED WOVEN-WIRE SCREEN @ AIR INTAKE OPENINGS
- STEEL HANDRAIL/GUARDRAIL
- LOUVER
- STEEL ACCESS LADDER
- EXPANSION JOINT COVER
- METAL GRATING W/ GUARD RAIL PROVIDED FOR ACCESS TO UTILITY DUCT
- STEEL GATE
- NOT USED

- CATWALK FOR MECH FAN ACCESS
- REINSTALL SALVAGED AND MODIFIED ACP
- NEW COPING
- STRUCTURAL SUPPORT FOR PMP LOUVER. SEE DETAIL 12/NVA-7606 FOR PENETRATION FLASHING
- 2 HOUR RATED JOINT IN RATED HORIZONTAL SEPARATION ABOVE; J-11

06 - WOOD AND PLASTICS

- WOOD SHELF
- CASEWORK

07 - THERMAL AND MOISTURE PROTECTION

- ROOF HATCH
- ROOF WALKWAY PADS
- ROOFING ASSEMBLY A; SEE DETAIL 13/NVA-7600
- NOT USED
- PROVIDE 6" THICK ACOUSTICAL INSULATION ABOVE CEILING
- INSTALL FIRESAFING (FSM-2) TO EXTEND 2 HR FIRE RATED ENCLOSURE TO OUTSIDE WALL
- TAPERED ROOF INSULATION TO SLOPE 1/4" PER FOOT. VALLEYS TO SLOPE MIN. 1/16" PER FOOT.
- TAPERED INSULATION TO MEET SLOPE OF ROOF DECK. PROVIDE POSITIVE DRAINAGE
- TAPER ROOF INSULATION TO SLOPE 1/4" PER FOOT, THIS AREA SEE DETAIL 1/NVA-7601. VALLEYS TO SLOPE MIN. 1/16" PER FOOT.
- ROOFING ASSEMBLY B; SEE DETAIL 14/NVA-7600
- ROOFING ASSEMBLY C; SEE DETAIL 15/NVA-7600
- SHEET WATERPROOFING
- 2" RIGID INSULATION OVER SHEET WATERPROOFING
- GWb OVER SHEET VAPOR RETARDER OVER METAL Z-FURRING @ 24" OC W/2" RIGID INSULATION
- 3/8" SEALANT JOINT SET BACK 3/8" FROM FACE OF FINISH MATERIAL; RETURN UP VERTICAL FACE

08 - DOORS AND WINDOWS

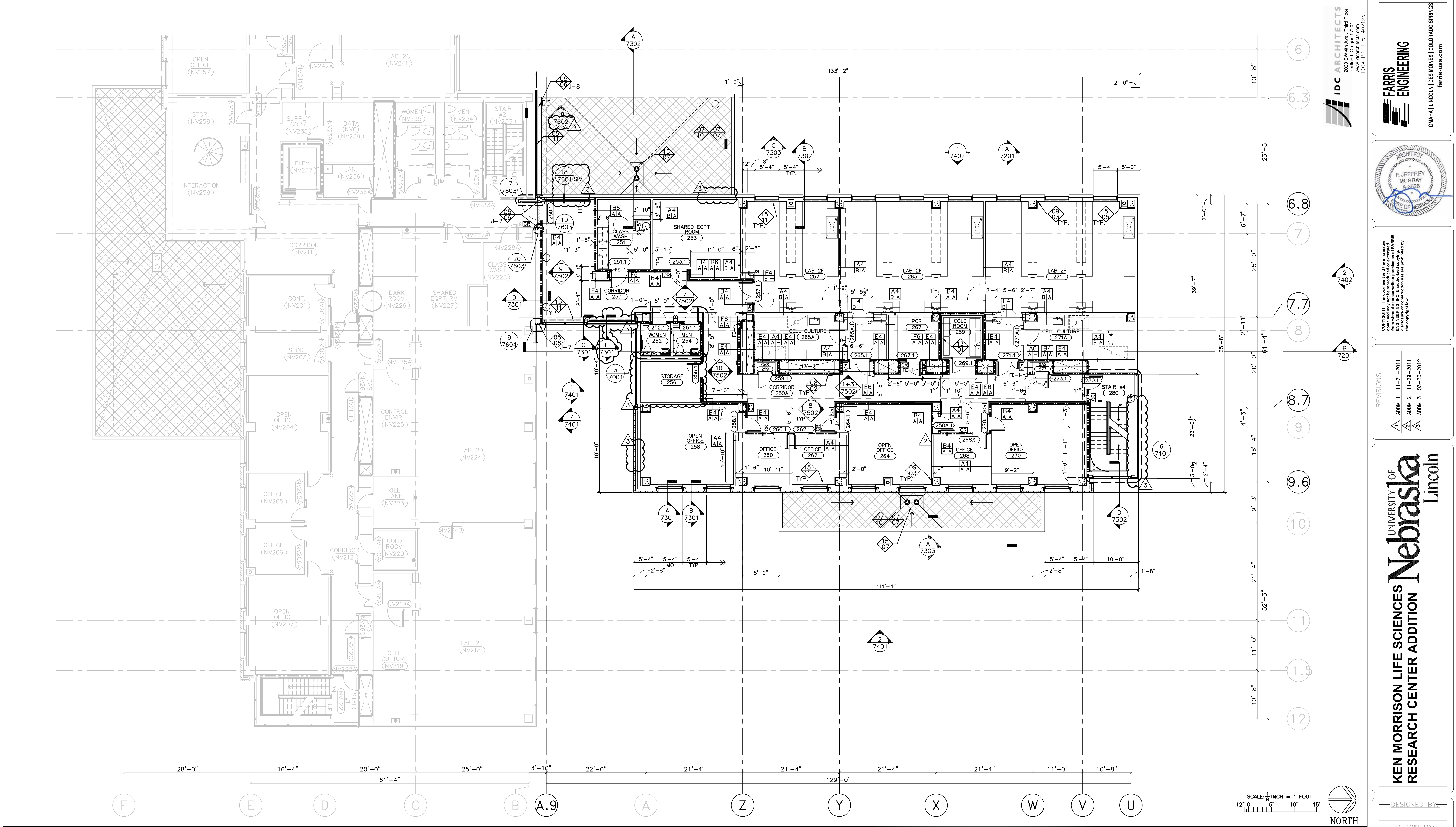
- GLAZING SYSTEM ABOVE
- 48"x48" FLUSH 2HR RATED ACCESS PANEL
- 24"x24" FLUSH 2HR RATED ACCESS PANEL @ 11'-0" A.F.F.
- FUTURE SUSPENDED OPERABLE PARTITION WALL
- RECESSED TRACK FOR SLIDING DOORS
- POCKET PANEL(2) PROVIDED BY MOVEABLE PARTITION MANUFACTURER TO MATCH SLIDING STORAGE DOORS
- 2-HOUR RATED WALL ACCESS PANEL
- ACCESS PANEL FOR ACCESS TO MECH DAMPER(S)
- PROVIDE RECESSED TRACK IN FLOOR
- FINISHES
- GWb SOFFIT OR CEILING
- PAINTED FLOOR STRIPING FOR CLEAR ACCESS PATH
- GWb ON MTL STUD FURRING AT COLUMN
- OPEN TO STRUCTURE ABOVE
- SUSPENDED ACOUSTICAL CEILING (SAT-1)
- SUSPENDED ACOUSTICAL CEILING (SAT-2)
- CARPET
- RESILIENT FLOORING
- ALIGN FACE OF FINISH WITH CMU WALL
- PROVIDE 2HR SHAFT ENCLOSURE AT FLOOR LEVEL 2
- PAINT CONC CURB OR PLATFORM
- OSHA SAFETY YELLOW

09 - FINISHES (CONT)

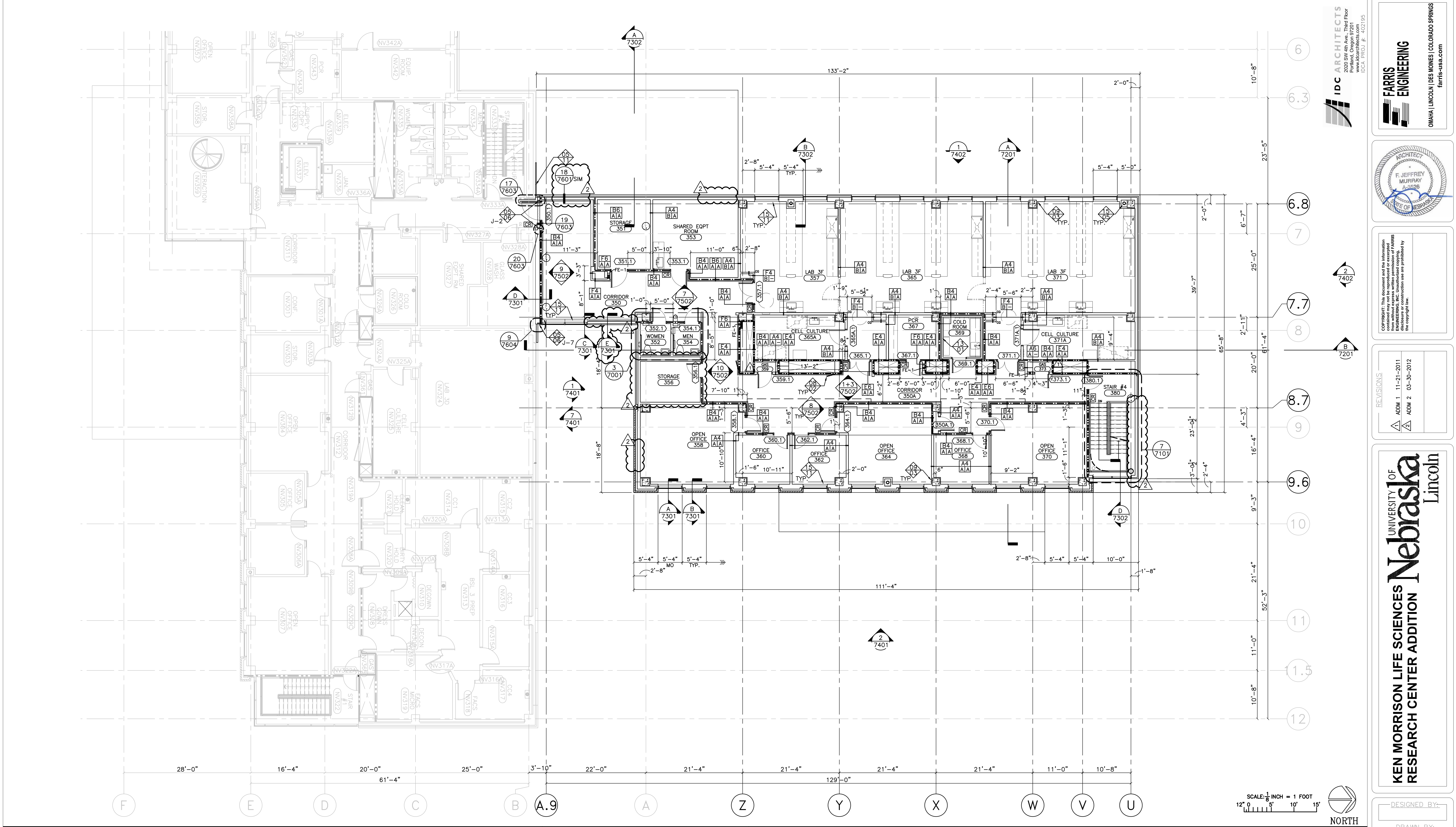
- PROVIDE 24"x24" OPENING IN WALL ABOVE CEILING, FOR RETURN AIR FLOW. COORDINATE FINAL LOCATIONS WITH MECHANICAL
- PROVIDE 12"x12" OPENING IN WALL ABOVE CEILING, FOR RETURN AIR FLOW. COORDINATE FINAL LOCATIONS WITH MECHANICAL
- MDF PANEL
- REPAIR WALL AT LOCATION OF DEMOLITION TO MAINTAIN INTEGRITY OF (E) RATED PARTITION.
- 2-HOUR HORIZONTAL SEPARATION AT DROPPED SOFFIT FOR MECHANICAL DUCT.
- 2-HOUR HORIZONTAL SEPARATION 11'-1" ABOVE FINISHED FLOOR FOR CONTINUITY OF EXIT PASSAGEWAY RATING; UL DESIGN U437
- SPECIALTIES
- FIRE EXTINGUISHER
- FULLY RECESSED MOTORIZED PROJECTION SCREEN
- PROJECTOR, OFCI
- ACCESS FLOOR PANELS TO PIPE TRENCH BELOW
- SPLASH PANEL
- EQUIPMENT
- REINSTALL SALVAGED DOCK LEVELER AND BUMPERS

12 - FURNISHINGS

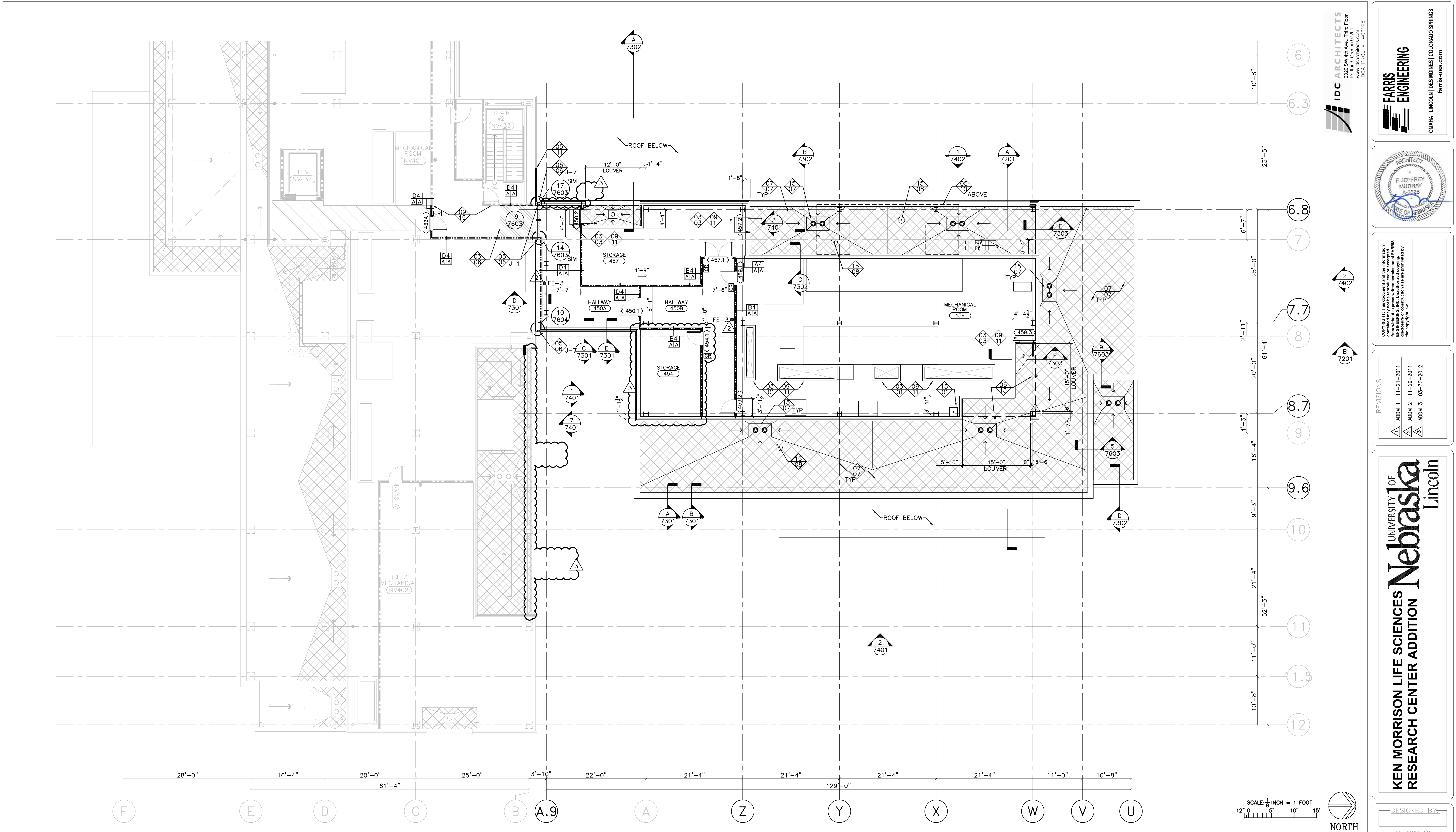
- OFFICE FURNITURE (OFCI)
- SPECIAL CONSTRUCTION
- PRE-MANUFACTURED INSULATED METAL CLAD WALL SYSTEM
- CONVEYING SYSTEMS
- NOT USED
- MECHANICAL
- MOP SINK
- LAVATORY
- DRINKING FOUNTAIN
- FLOOR DRAIN
- OVERFLOW DRAIN; 8" DIA. MAX. SLEEVED PIPE
- MECHANICAL EQUIPMENT
- ROOF DRAIN & OVERFLOW, SEE DETAIL 1/NVA-7606
- VENT STACK, SEE DETAIL 9/NVA-7606
- EXHAUST CANOPY
- ROOF DRAIN ONLY @ AIR INTAKE OPENING
- FIN TUBE
- ELECTRICAL
- INDIRECT LUMINAIRE



GENERAL NOTES 1. LAB LAYOUTS ARE SHOWN FOR REFERENCE ONLY. REFER TO LAB DRAWINGS FOR MORE DETAIL. 2. SEE SHEET NVA-0001 FOR ADDITIONAL GENERAL NOTES AND LEGEND. 3. SUSPENDED ACOUSTIC TILE TO BE CENTERED IN ROOM UNLESS NOTED OTHERWISE..		KEYED NOTES KEYNOTE TAG XX-101 SPECIFICATION DIVISION NUMBER KEYNOTE NUMBER SPECIFICATION TAG		02 - SITEWORK 01 GALV. CHAIN LINK FENCING 02 SUBDRAINAGE AT BOTTOM OF WALL		03 - CONCRETE 01 CONCRETE CURB 02 HOUSEKEEPING PAD 03 CONCRETE PLATFORM 04 EQUIPMENT PAD 05 CONCRETE COLUMN		04 - METALS 01 ALUM COMPOSITE PANEL (ACP) 02 PAINTED WELDED WOVEN-WIRE SCREEN @ AIR INTAKE OPENINGS 03 STEEL HANDRAIL/GUARDRAIL 04 LOUVER 05 STEEL ACCESS LADDER 06 EXPANSION JOINT COVER 07 METAL GRATING W/ GUARD RAIL PROVIDED FOR ACCESS TO UTILITY DUCT 08 STEEL GATE 09 NOT USED		05 - THERMAL AND MOISTURE PROTECTION 01 ROOF HATCH 02 ROOF WALKWAY PADS 03 ROOFING ASSEMBLY A; SEE DETAIL 13/NVA-7600 04 NOT USED 05 PROVIDE 6" THICK ACOUSTICAL INSULATION ABOVE CEILING 06 INSTALL FIRESAFING (FSM-2) TO EXTEND 2 HR FIRE RATED ENCLOSURE TO OUTSIDE WALL 07 TAPERED ROOF INSULATION TO SLOPE 1/4" PER FOOT. VALLEYS TO SLOPE MIN. 1/16" PER FOOT. 08 TAPERED INSULATION TO MEET SLOPE OF ROOF DECK. PROVIDE POSITIVE DRAINAGE 09 TAPER ROOF INSULATION TO SLOPE 1/4" PER FOOT, THIS AREA SEE DETAIL 1/NVA-7601. VALLEYS TO SLOPE MIN. 1/16" PER FOOT. 10 ROOFING ASSEMBLY B; SEE DETAIL 14/NVA-7600 11 ROOFING ASSEMBLY C; SEE DETAIL 15/NVA-7600 12 SHEET WATERPROOFING 13 2" RIGID INSULATION OVER SHEET WATERPROOFING 14 GWB OVER SHEET VAPOR RETARDER OVER METAL Z-FURRING @ 24" OC W/2" RIGID INSULATION 15 3/8" SEALANT JOINT SET BACK 3/8" FROM FACE OF FINISH MATERIAL; RETURN UP VERTICAL FACE		06 - DOORS AND WINDOWS 01 GLAZING SYSTEM ABOVE 02 48"x48" FLUSH 2HR RATED ACCESS PANEL 03 24"x24" FLUSH 2HR RATED ACCESS PANEL @ 11'-0" A.F.F. 04 FUTURE SUSPENDED OPERABLE PARTITION WALL 05 RECESSED TRACK FOR SLIDING DOORS 06 POCKET PANEL(2) PROVIDED BY MOVEABLE PARTITION MANUFACTURER TO MATCH SLIDING STORAGE DOORS 07 2-HOUR RATED WALL ACCESS PANEL 08 ACCESS PANEL FOR ACCESS TO MECH DAMPER(S) 09 PROVIDE RECESSED TRACK IN FLOOR 09 - FINISHES 01 GWB SOFFIT OR CEILING 02 PAINTED FLOOR STRIPING FOR CLEAR ACCESS PATH 03 GWB ON MTL STUD FURRING AT COLUMN 04 OPEN TO STRUCTURE ABOVE 05 SUSPENDED ACOUSTICAL CEILING (SAT-1) 06 SUSPENDED ACOUSTICAL CEILING (SAT-2) 07 CARPET 08 RESILIENT FLOORING 09 ALIGN FACE OF FINISH WITH CMU WALL 10 PROVIDE 2HR SHAFT ENCLOSURE AT FLOOR LEVEL 2 11 PAINT CONC CURB OR PLATFORM OSHA SAFETY YELLOW		09 - FINISHES (CONT) 12 PROVIDE 24"x24" OPENING IN WALL ABOVE CEILING, FOR RETURN AIR FLOW. COORDINATE FINAL LOCATIONS WITH MECHANICAL 13 PROVIDE 12"x12" OPENING IN WALL ABOVE CEILING, FOR RETURN AIR FLOW. COORDINATE FINAL LOCATIONS WITH MECHANICAL 14 MDF PANEL 15 REPAIR WALL AT LOCATION OF DEMOLITION TO MAINTAIN INTEGRITY OF (E) RATED PARTITION. 16 2-HOUR HORIZONTAL SEPARATION AT DROPPED SOFFIT FOR MECHANICAL DUCT. 17 2-HOUR HORIZONTAL SEPARATION 11'-1" ABOVE FINISHED FLOOR FOR CONTINUITY OF EXIT PASSAGEWAY RATING; UL DESIGN U437 10 - SPECIALTIES 01 FIRE EXTINGUISHER 02 FULLY RECESSED MOTORIZED PROJECTION SCREEN 03 PROJECTOR, OFCI 04 ACCESS FLOOR PANELS TO PIPE TRENCH BELOW 05 SPLASH PANEL 11 EQUIPMENT 01 REINSTALL SALVAGED DOCK LEVELER AND BUMPERS		12 - FURNISHINGS 01 OFFICE FURNITURE (OFCI) 13 - SPECIAL CONSTRUCTION 01 PRE-MANUFACTURED INSULATED METAL CLAD WALL SYSTEM 14 - CONVEYING SYSTEMS 01 NOT USED 15 - MECHANICAL 01 MOP SINK 02 LAVATORY 03 DRINKING FOUNTAIN 04 FLOOR DRAIN 05 OVERFLOW DRAIN; 8" DIA. MAX. SLEEVED PIPE 06 MECHANICAL EQUIPMENT 07 ROOF DRAIN & OVERFLOW, SEE DETAIL 1/NVA-7606 08 VENT STACK, SEE DETAIL 9/NVA-7606 09 EXHAUST CANOPY 10 ROOF DRAIN ONLY @ AIR INTAKE OPENING 11 FIN TUBE 16 - ELECTRICAL 01 INDIRECT LUMINAIRE	
--	--	--	--	--	--	--	--	---	--	---	--	--	--	--	--	---	--



GENERAL NOTES 1. LAB LAYOUTS ARE SHOWN FOR REFERENCE ONLY. REFER TO LAB DRAWINGS FOR MORE DETAIL. 2. SEE SHEET NVA-0001 FOR ADDITIONAL GENERAL NOTES AND LEGEND. 3. SUSPENDED ACOUSTIC TILE TO BE CENTERED IN ROOM UNLESS NOTED OTHERWISE.. KEYED NOTES KEYNOTE TAG 02 - SITEWORK 01 GALV. CHAIN LINK FENCING 02 SUBDRAINAGE AT BOTTOM OF WALL 03 - CONCRETE 01 CONCRETE CURB 02 HOUSEKEEPING PAD 03 CONCRETE PLATFORM 04 EQUIPMENT PAD 05 CONCRETE COLUMN		06 LEVEL EXISTING SLAB AT LOCATION OF DEMOLITION FOR SMOOTH FINISH SURFACE. PREP FOR SCHEDULED FLOOR FINISH 05 - METALS 01 ALUM COMPOSITE PANEL (ACP) 02 PAINTED WELDED WOVEN-WIRE SCREEN @ AIR INTAKE OPENINGS 03 STEEL HANDRAIL/GUARDRAIL 04 LOUVER 05 STEEL ACCESS LADDER 06 EXPANSION JOINT COVER 07 METAL GRATING W/ GUARD RAIL PROVIDED FOR ACCESS TO UTILITY DUCT 08 STEEL GATE 09 NOT USED 10 CATWALK FOR MECH FAN ACCESS 11 REINSTALL SALVAGED AND MODIFIED ACP 12 NEW COPING 13 STRUCTURAL SUPPORT FOR PMP LOUVER. SEE DETAIL 12/NVA-7606 FOR PENETRATION FLASHING 14 2 HOUR RATED JOINT IN RATED HORIZONTAL SEPARATION ABOVE; J-11 06 - WOOD AND PLASTICS 01 WOOD SHELF 02 CASEWORK		07 - THERMAL AND MOISTURE PROTECTION 01 ROOF HATCH 02 ROOF WALKWAY PADS 03 ROOFING ASSEMBLY A; SEE DETAIL 13/NVA-7600 04 NOT USED 05 PROVIDE 6" THICK ACOUSTICAL INSULATION ABOVE CEILING 06 INSTALL FIRESAFING (FSM-2) TO EXTEND 2 HR FIRE RATED ENCLOSURE TO OUTSIDE WALL 07 TAPERED ROOF INSULATION TO SLOPE 1/4" PER FOOT. VALLEYS TO SLOPE MIN. 1/16" PER FOOT. 08 TAPERED INSULATION TO MEET SLOPE OF ROOF DECK. PROVIDE POSITIVE DRAINAGE 09 TAPER ROOF INSULATION TO SLOPE 1/4" PER FOOT, THIS AREA SEE DETAIL 1/NVA-7601. VALLEYS TO SLOPE MIN. 1/16" PER FOOT. 10 ROOFING ASSEMBLY B; SEE DETAIL 14/NVA-7600 11 ROOFING ASSEMBLY C; SEE DETAIL 15/NVA-7600 12 SHEET WATERPROOFING 13 2" RIGID INSULATION OVER SHEET WATERPROOFING 14 GWB OVER SHEET VAPOR RETARDER OVER METAL Z-FURRING @ 24" OC W/2" RIGID INSULATION 15 3/8" SEALANT JOINT SET BACK 3/8" FROM FACE OF FINISH MATERIAL; RETURN UP VERTICAL FACE		08 - DOORS AND WINDOWS 01 GLAZING SYSTEM ABOVE 02 48"x48" FLUSH 2HR RATED ACCESS PANEL 03 24"x24" FLUSH 2HR RATED ACCESS PANEL @ 11'-0" A.F.F. 04 FUTURE SUSPENDED OPERABLE PARTITION WALL 05 RECESSED TRACK FOR SLIDING DOORS 06 POCKET PANEL(2) PROVIDED BY MOVEABLE PARTITION MANUFACTURER TO MATCH SLIDING STORAGE DOORS 07 2-HOUR RATED WALL ACCESS PANEL 08 ACCESS PANEL FOR ACCESS TO MECH DAMPER(S) 09 PROVIDE RECESSED TRACK IN FLOOR 09 - FINISHES 01 GWB SOFFIT OR CEILING 02 PAINTED FLOOR STRIPING FOR CLEAR ACCESS PATH 03 GWB ON MTL STUD FURRING AT COLUMN 04 OPEN TO STRUCTURE ABOVE 05 SUSPENDED ACOUSTICAL CEILING (SAT-1) 06 SUSPENDED ACOUSTICAL CEILING (SAT-2) 07 CARPET 08 RESILIENT FLOORING 09 ALIGN FACE OF FINISH WITH CMU WALL 10 PROVIDE 2HR SHAFT ENCLOSURE AT FLOOR LEVEL 2 11 PAINT CONC CURB OR PLATFORM OSHA SAFETY YELLOW		09 - FINISHES (CONT) 12 PROVIDE 24"x24" OPENING IN WALL ABOVE CEILING, FOR RETURN AIR FLOW. COORDINATE FINAL LOCATIONS WITH MECHANICAL 13 PROVIDE 12"x12" OPENING IN WALL ABOVE CEILING, FOR RETURN AIR FLOW. COORDINATE FINAL LOCATIONS WITH MECHANICAL 14 MDF PANEL 15 REPAIR WALL AT LOCATION OF DEMOLITION TO MAINTAIN INTEGRITY OF (E) RATED PARTITION. 16 2-HOUR HORIZONTAL SEPARATION AT DROPPED SOFFIT FOR MECHANICAL DUCT. 17 2-HOUR HORIZONTAL SEPARATION 11'-1" ABOVE FINISHED FLOOR FOR CONTINUITY OF EXIT PASSAGEWAY RATING; UL DESIGN U437 10 - SPECIALTIES 01 FIRE EXTINGUISHER 02 FULLY RECESSED MOTORIZED PROJECTION SCREEN 03 PROJECTOR, OFCI 04 ACCESS FLOOR PANELS TO PIPE TRENCH BELOW 05 SPLASH PANEL 11 EQUIPMENT 01 REINSTALL SALVAGED DOCK LEVELER AND BUMPERS		12 - FURNISHINGS 01 OFFICE FURNITURE (OFCI) 13 - SPECIAL CONSTRUCTION 01 PRE-MANUFACTURED INSULATED METAL CLAD WALL SYSTEM 14 - CONVEYING SYSTEMS 01 NOT USED 15 - MECHANICAL 01 MOP SINK 02 LAVATORY 03 DRINKING FOUNTAIN 04 FLOOR DRAIN 05 OVERFLOW DRAIN; 8" DIA. MAX. SLEEVED PIPE 06 MECHANICAL EQUIPMENT 07 ROOF DRAIN & OVERFLOW, SEE DETAIL 1/NVA-7606 08 VENT STACK, SEE DETAIL 9/NVA-7606 09 EXHAUST CANOPY 10 ROOF DRAIN ONLY @ AIR INTAKE OPENING 11 FIN TUBE 16 - ELECTRICAL 01 INDIRECT LUMINAIRE
---	--	---	--	--	--	--	--	--	--	---



GENERAL NOTES
1. LAB LAYOUTS ARE SHOWN FOR REFERENCE ONLY. REFER TO LAB DRAWINGS FOR MORE DETAIL.
2. SEE SHEET NVA-0001 FOR ADDITIONAL GENERAL NOTES AND LEGEND.
3. SUSPENDED ACOUSTIC TILE TO BE CENTERED IN ROOM UNLESS NOTED OTHERWISE..

KEYED NOTES
KEYNOTE TAG
XX-101
SPECIFICATION DIVISION NUMBER
KEYNOTE NUMBER
SPECIFICATION TAG
02 - SITEWORK
01 GALV. CHAIN LINK FENCING
02 SUBDRAINAGE AT BOTTOM OF WALL
03 - CONCRETE
01 CONCRETE CURB
02 HOUSEKEEPING PAD
03 CONCRETE PLATFORM
04 EQUIPMENT PAD
05 CONCRETE COLUMN

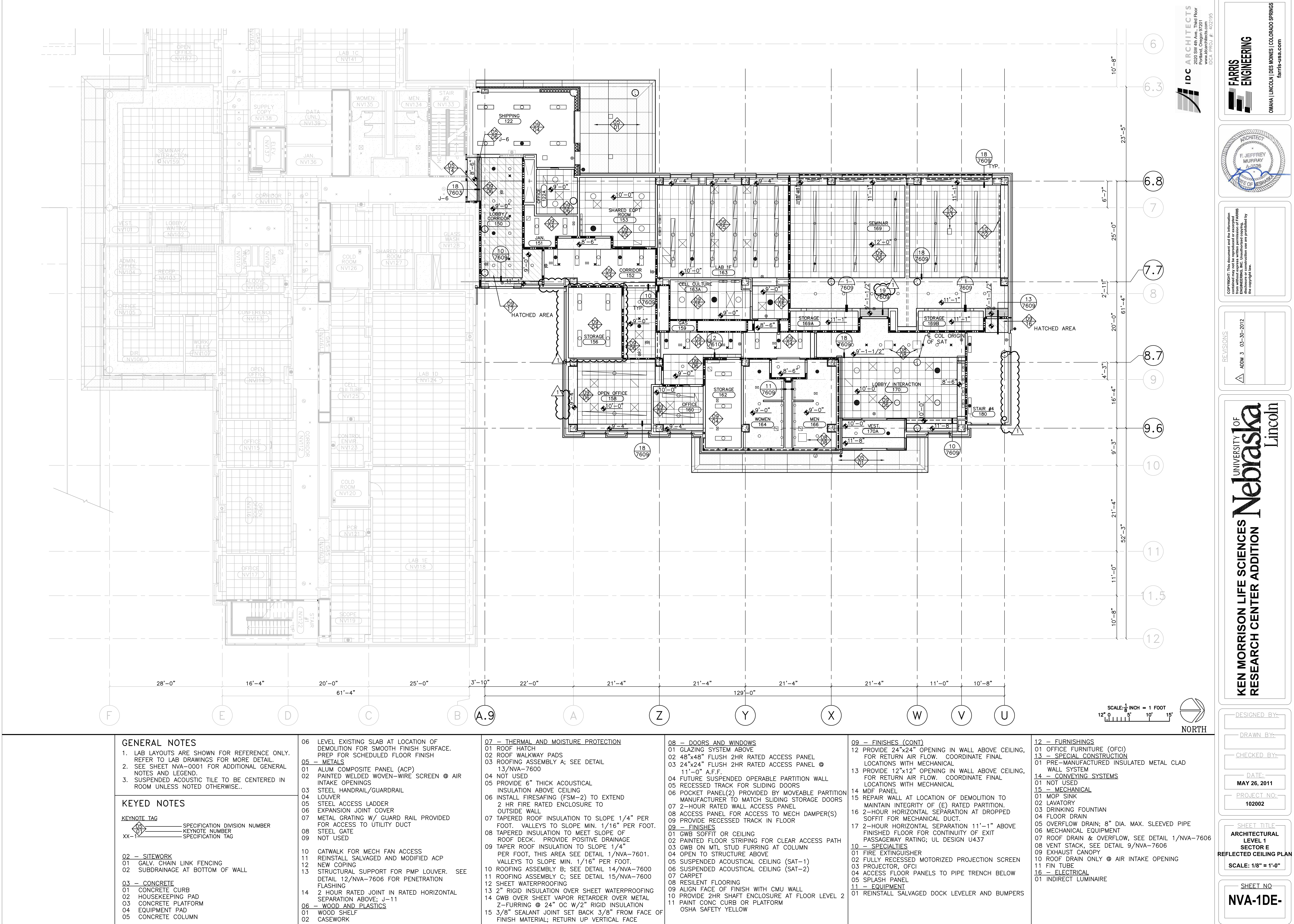
06 LEVEL EXISTING SLAB AT LOCATION OF DEMOLITION FOR SMOOTH FINISH SURFACE. PREP FOR SCHEDULED FLOOR FINISH
05 - METALS
01 ALUM COMPOSITE PANEL (ACP)
02 PAINTED WELDED WOVEN-WIRE SCREEN @ AIR INTAKE OPENINGS
03 STEEL HANDRAIL/GUARDRAIL
04 LOUVER
05 STEEL ACCESS LADDER
06 EXPANSION JOINT COVER
07 METAL GRATING W/ GUARD RAIL PROVIDED FOR ACCESS TO UTILITY DUCT
08 STEEL GATE
09 NOT USED
10 CATWALK FOR MECH FAN ACCESS
11 REINSTALL SALVAGED AND MODIFIED ACP
12 NEW COPING
13 STRUCTURAL SUPPORT FOR PMP LOUVER. SEE DETAIL 12/NVA-7606 FOR PENETRATION FLASHING
14 2 HOUR RATED JOINT IN RATED HORIZONTAL SEPARATION ABOVE; J-11
06 - WOOD AND PLASTICS
01 WOOD SHELF
02 CASEWORK

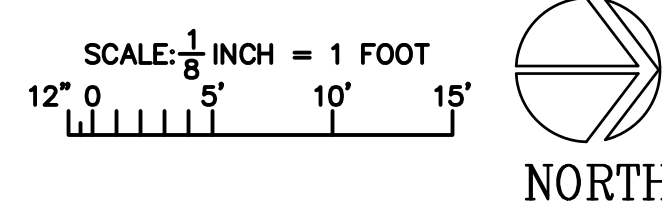
07 - THERMAL AND MOISTURE PROTECTION
01 ROOF HATCH
02 ROOF WALKWAY PADS
03 ROOFING ASSEMBLY A; SEE DETAIL 13/NVA-7600
04 NOT USED
05 PROVIDE 6" THICK ACOUSTICAL INSULATION ABOVE CEILING
06 INSTALL FIRESAFING (FSM-2) TO EXTEND 2 HR FIRE RATED ENCLOSURE TO OUTSIDE WALL
07 TAPERED ROOF INSULATION TO SLOPE 1/4" PER FOOT. VALLEYS TO SLOPE MIN. 1/16" PER FOOT.
08 TAPERED INSULATION TO MEET SLOPE OF ROOF DECK. PROVIDE POSITIVE DRAINAGE
09 TAPER ROOF INSULATION TO SLOPE 1/4" PER FOOT, THIS AREA SEE DETAIL 1/NVA-7601. VALLEYS TO SLOPE MIN. 1/16" PER FOOT.
10 ROOFING ASSEMBLY B; SEE DETAIL 14/NVA-7600
11 ROOFING ASSEMBLY C; SEE DETAIL 15/NVA-7600
12 SHEET WATERPROOFING
13 2" RIGID INSULATION OVER SHEET WATERPROOFING
14 GWB OVER SHEET VAPOR RETARDER OVER METAL Z-FURRING @ 24" OC W/2" RIGID INSULATION
15 3/8" SEALANT JOINT SET BACK 3/8" FROM FACE OF FINISH MATERIAL; RETURN UP VERTICAL FACE

08 - DOORS AND WINDOWS
01 GLAZING SYSTEM ABOVE
02 48"x48" FLUSH 2HR RATED ACCESS PANEL
03 24"x24" FLUSH 2HR RATED ACCESS PANEL @ 11'-0" A.F.F.
04 FUTURE SUSPENDED OPERABLE PARTITION WALL
05 RECESSED TRACK FOR SLIDING DOORS
06 POCKET PANEL(2) PROVIDED BY MOVEABLE PARTITION MANUFACTURER TO MATCH SLIDING STORAGE DOORS
07 2-HOUR RATED WALL ACCESS PANEL
08 ACCESS PANEL FOR ACCESS TO MECH DAMPER(S)
09 PROVIDE RECESSED TRACK IN FLOOR
09 - FINISHES
01 GWB SOFFIT OR CEILING
02 PAINTED FLOOR STRIPING FOR CLEAR ACCESS PATH
03 GWB ON MTL STUD FURRING AT COLUMN
04 OPEN TO STRUCTURE ABOVE
05 SUSPENDED ACOUSTICAL CEILING (SAT-1)
06 SUSPENDED ACOUSTICAL CEILING (SAT-2)
07 CARPET
08 RESILIENT FLOORING
09 ALIGN FACE OF FINISH WITH CMU WALL
10 PROVIDE 2HR SHAFT ENCLOSURE AT FLOOR LEVEL 2
11 PAINT CONC CURB OR PLATFORM
OSHA SAFETY YELLOW

09 - FINISHES (CONT)
12 PROVIDE 24"x24" OPENING IN WALL ABOVE CEILING, FOR RETURN AIR FLOW. COORDINATE FINAL LOCATIONS WITH MECHANICAL
13 PROVIDE 12"x12" OPENING IN WALL ABOVE CEILING, FOR RETURN AIR FLOW. COORDINATE FINAL LOCATIONS WITH MECHANICAL
14 MDF PANEL
15 REPAIR WALL AT LOCATION OF DEMOLITION TO MAINTAIN INTEGRITY OF (E) RATED PARTITION.
16 2-HOUR HORIZONTAL SEPARATION AT DROPPED SOFFIT FOR MECHANICAL DUCT.
17 2-HOUR HORIZONTAL SEPARATION 11'-1" ABOVE FINISHED FLOOR FOR CONTINUITY OF EXIT PASSAGEWAY RATING; UL DESIGN U437
10 - SPECIALTIES
01 FIRE EXTINGUISHER
02 FULLY RECESSED MOTORIZED PROJECTION SCREEN
03 PROJECTOR, OFCI
04 ACCESS FLOOR PANELS TO PIPE TRENCH BELOW
05 SPLASH PANEL
11 - EQUIPMENT
01 REINSTALL SALVAGED DOCK LEVELER AND BUMPERS

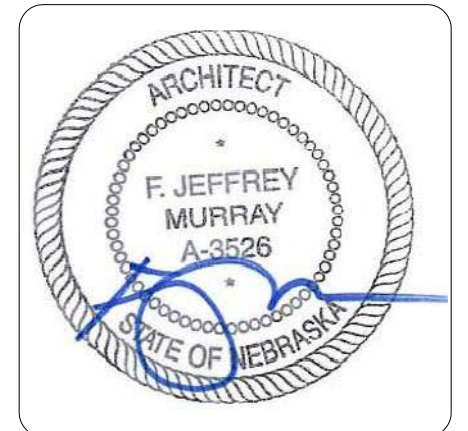
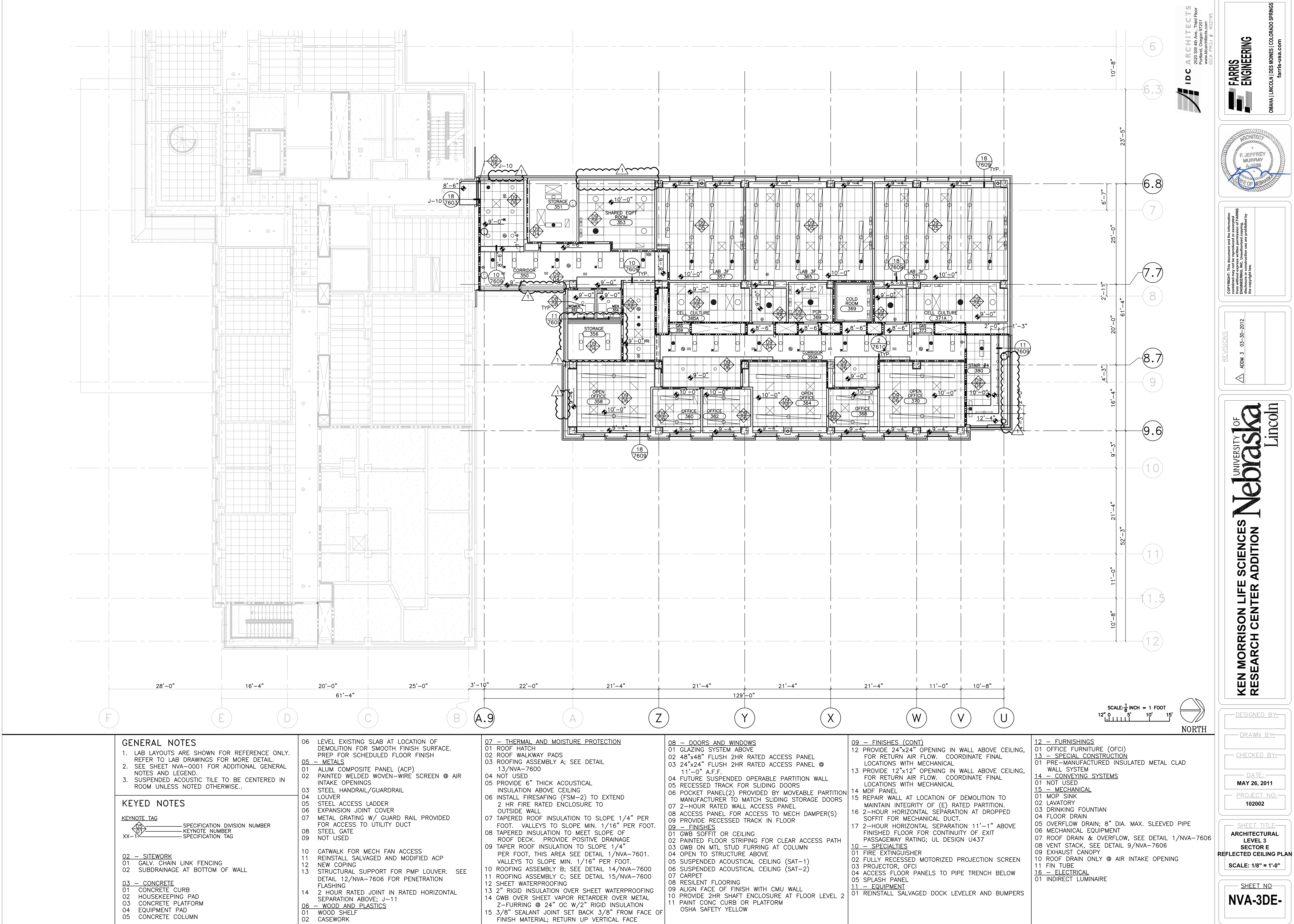
12 - FURNISHINGS
01 OFFICE FURNITURE (OFCI)
13 - SPECIAL CONSTRUCTION
01 PRE-MANUFACTURED INSULATED METAL CLAD WALL SYSTEM
14 - CONVEYING SYSTEMS
01 NOT USED
15 - MECHANICAL
01 MOP SINK
02 LAVATORY
03 DRINKING FOUNTAIN
04 FLOOR DRAIN
05 OVERFLOW DRAIN; 8" DIA. MAX. SLEEVED PIPE
06 MECHANICAL EQUIPMENT
07 ROOF DRAIN & OVERFLOW, SEE DETAIL 1/NVA-7606
08 VENT STACK, SEE DETAIL 9/NVA-7606
09 EXHAUST CANOPY
10 ROOF DRAIN ONLY @ AIR INTAKE OPENING
11 FIN TUBE
16 - ELECTRICAL
01 INDIRECT LUMINAIRE





01 OFFICE FURNITURE (OFICI)
13 - SPECIAL CONSTRUCTION
01 PRE-MANUFACTURED INSULATED METAL CLAD
WALL SYSTEM
14 - CONVEYING SYSTEMS
01 NOT USED
15 - MECHANICAL
01 MOP SINK
02 LAVATORY
03 DRINKING FOUNTAIN
04 FLOOR DRAIN
05 OVERFLOW DRAIN; 8" DIA. MAX. SLEEVED PIPE
06 MECHANICAL EQUIPMENT
07 ROOF DRAIN & OVERFLOW, SEE DETAIL 1/NVA-7606
08 VENT STACK, SEE DETAIL 9/NVA-7606
09 EXHAUST CANOPY
10 ROOF DRAIN ONLY @ AIR INTAKE OPENING
11 FIN TUBE
16 - ELECTRICAL
01 INDIRECT LUMINAIRE

SHEET NO
NVA-2DE.



COPYRIGHT: This document and the information contained may not be reproduced or excerpted without the written permission of Farris Engineering, Inc. Unauthorised copying, reuse or distribution is prohibited by law.

REVISIONS
ADDN 3 03-30-2012

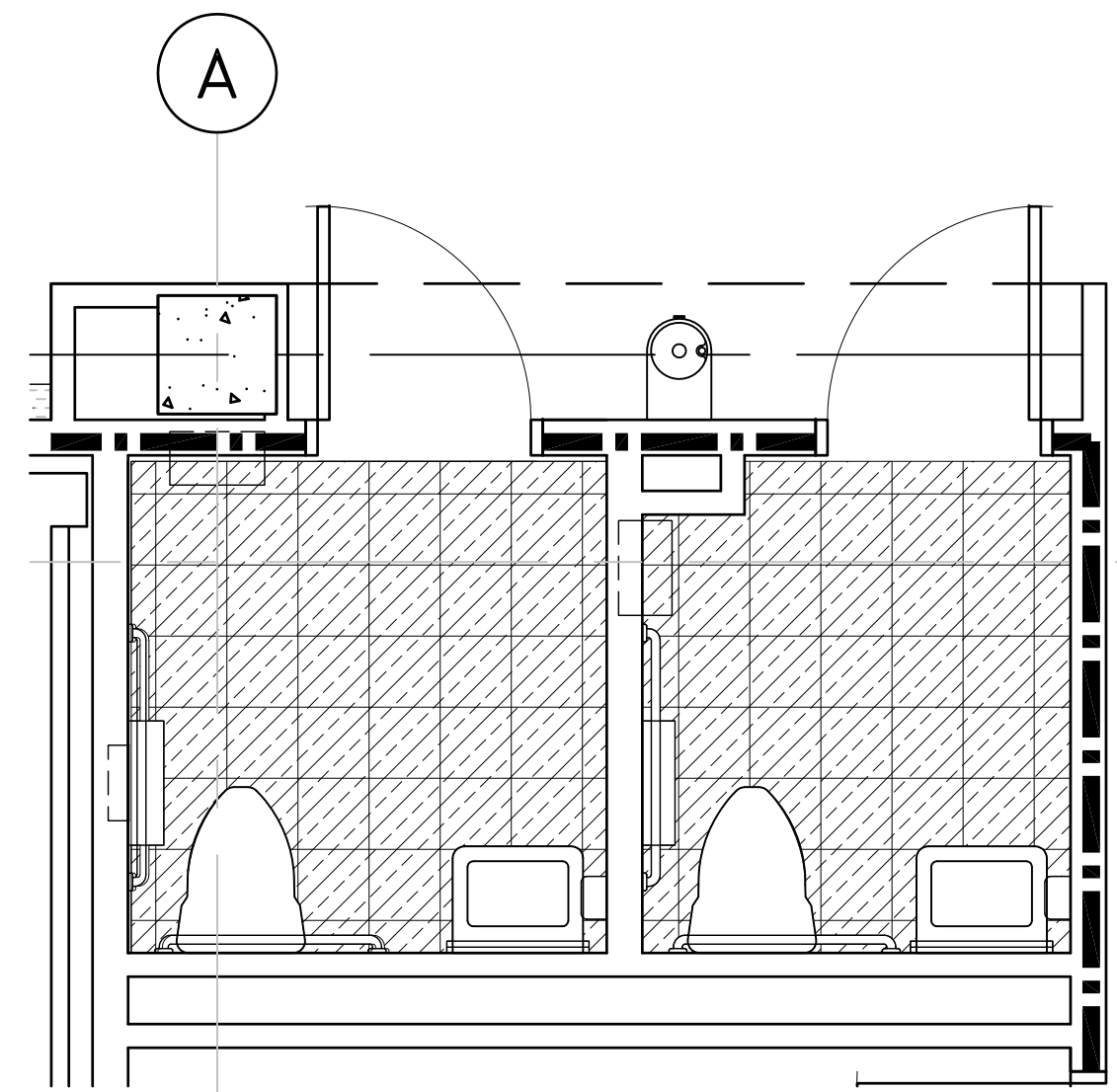
KEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION

UNIVERSITY OF
Nebraska
Lincoln

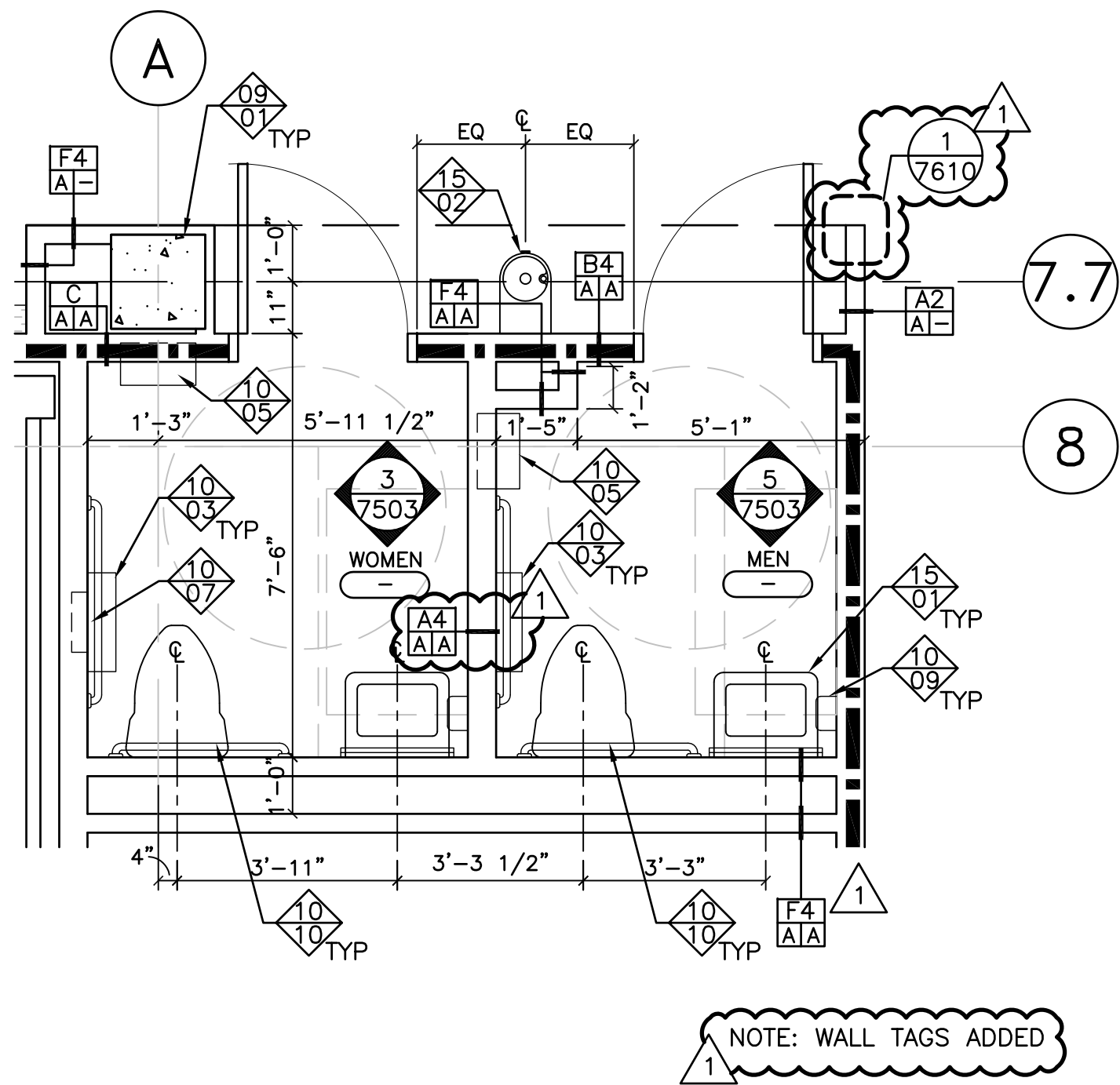
DESIGNED BY:
DRAWN BY:
CHECKED BY:
DATE:
MAY 26, 2011
PROJECT NO.:
102002

SHEET TITLE
ARCHITECTURAL
LEVEL 3
SECTOR E
REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

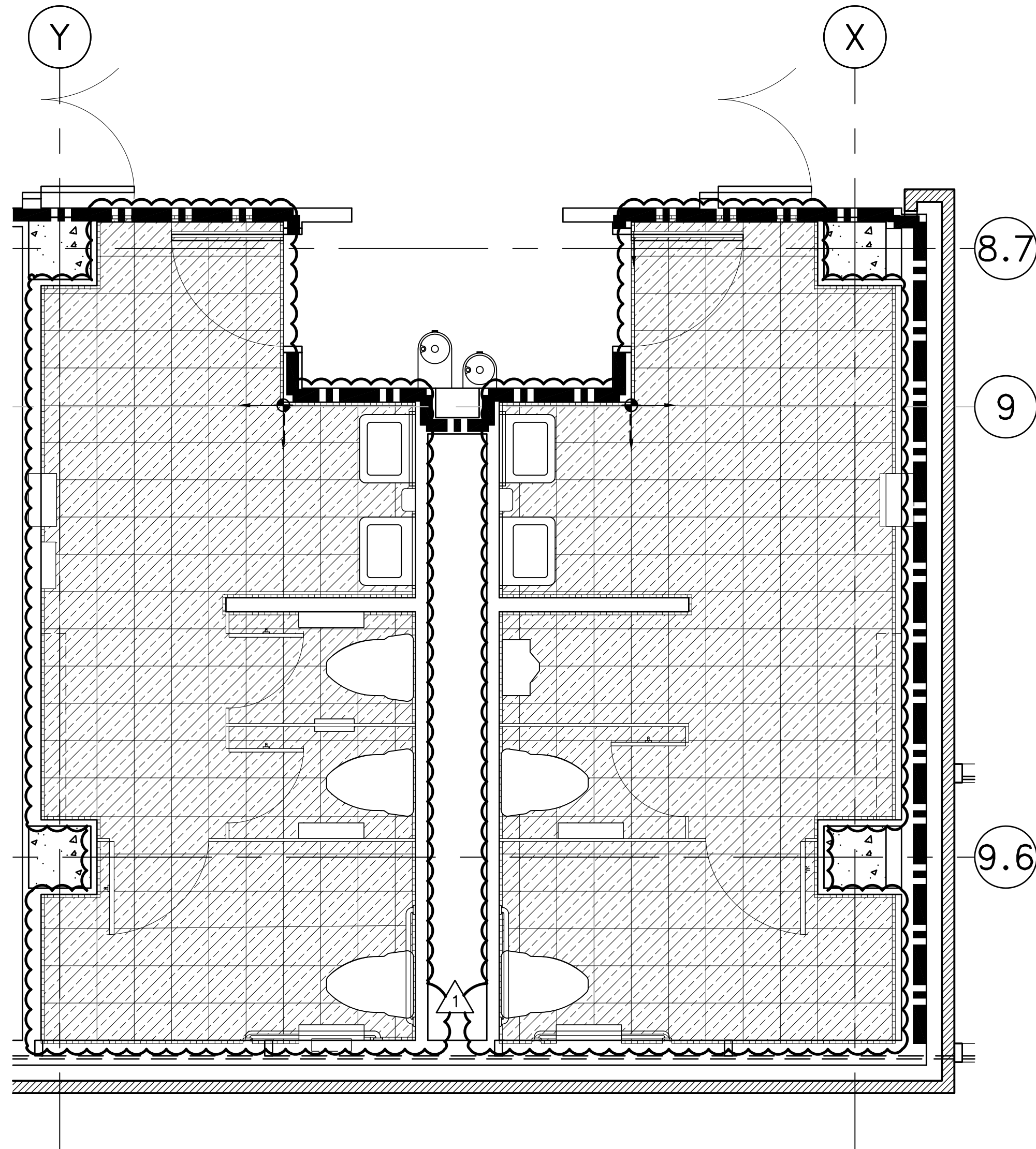
SHEET NO.
NVA-3DE-



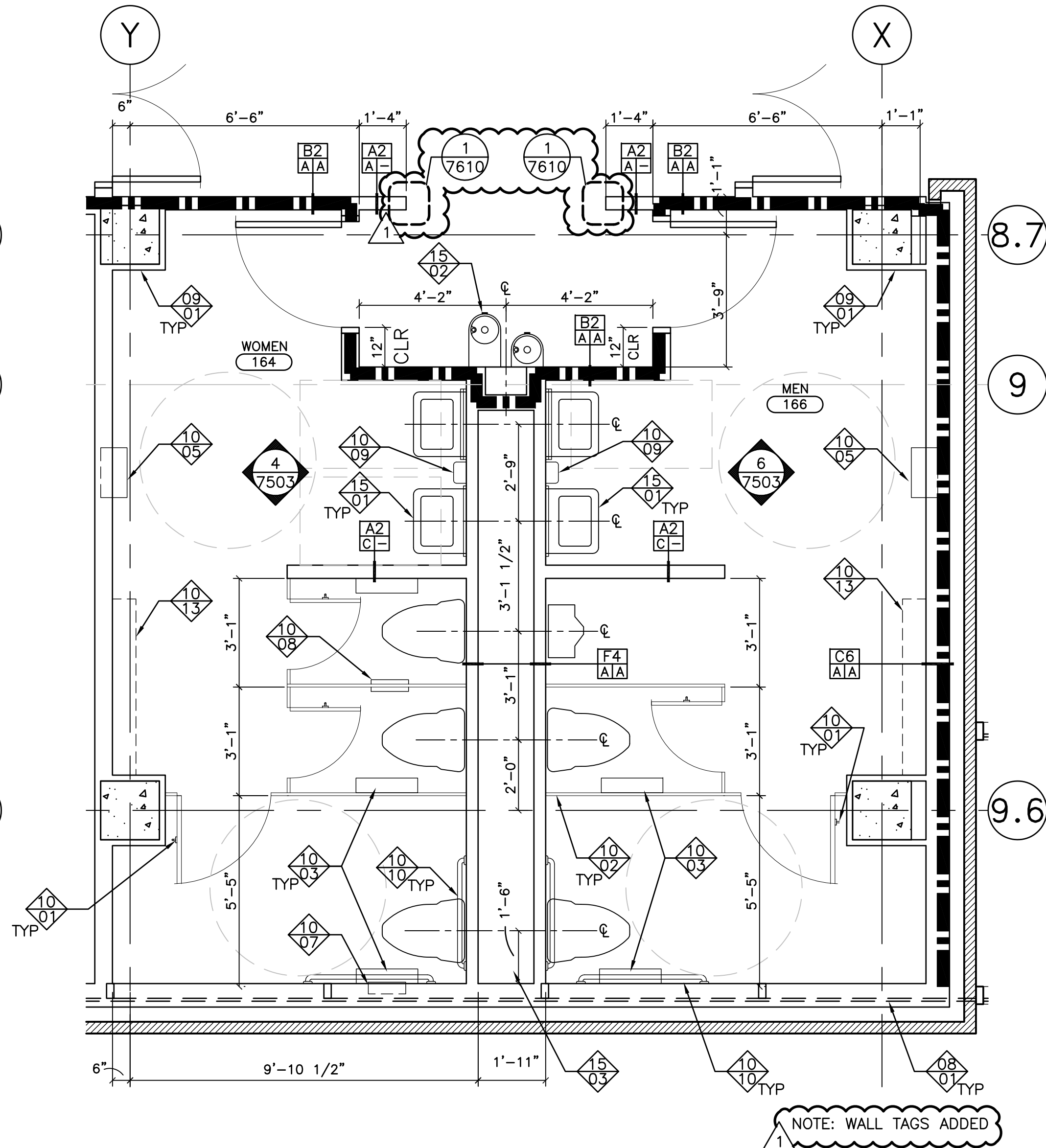
4 LEVEL 2 & 3 RESTROOMS
3/8" = 1'-0"



3 LEVEL 2 & 3 RESTROOMS
3/8" = 1'-0"



2 LOBBY/INTERACTION RESTROOMS
3/8" = 1'-0"



1 LOBBY/INTERACTION RESTROOMS
3/8" = 1'-0"



KEYNOTE TAG
08 01
XX-1
SPECIFICATION DIVISION NUMBER
KEYNOTE NUMBER
SPECIFICATION TAG

KEYED NOTES

08 — DOORS AND WINDOWS
01 GLAZING SYSTEM ABOVE

09 — FINISHES
01 GWB ON MTL STUD FURRING AT COLUMN

10 — SPECIALTIES

01 ROBE HOOK
02 TOILET COMPARTMENT (TP-1)
03 TOILET PAPER DISPENSER (TPD); OFOI
04 COMBINATION PAPER TOWEL DISPENSER-RECEPTACLE (PTD-1)
05 COMBINATION PAPER TOWEL DISPENSER-RECEPTACLE (PTD-2)
06 NOT USED
07 RECESSED NAPKIN DISPOSAL (ND-1)
08 PARTITION MOUNTED NAPKIN DISPOSAL (ND-2)
09 SOAP DISPENSER (SD-1); OFOI
10 GRAB BAR (GB)
11 ADA MIRROR (MIR-1)
12 MIRROR (MIR-2)
13 WALL SHELF (WS-1)

15 — MECHANICAL

01 LAVATORY
02 DRINKING FOUNTAIN
03 ROOF DRAIN, SEE PLUMBING

LEGEND

TILE ORIGIN
TILE (PT-4)

DESIGNED BY:

DRAWN BY:

CHECKED BY:

DATE:
MAY 26, 2011

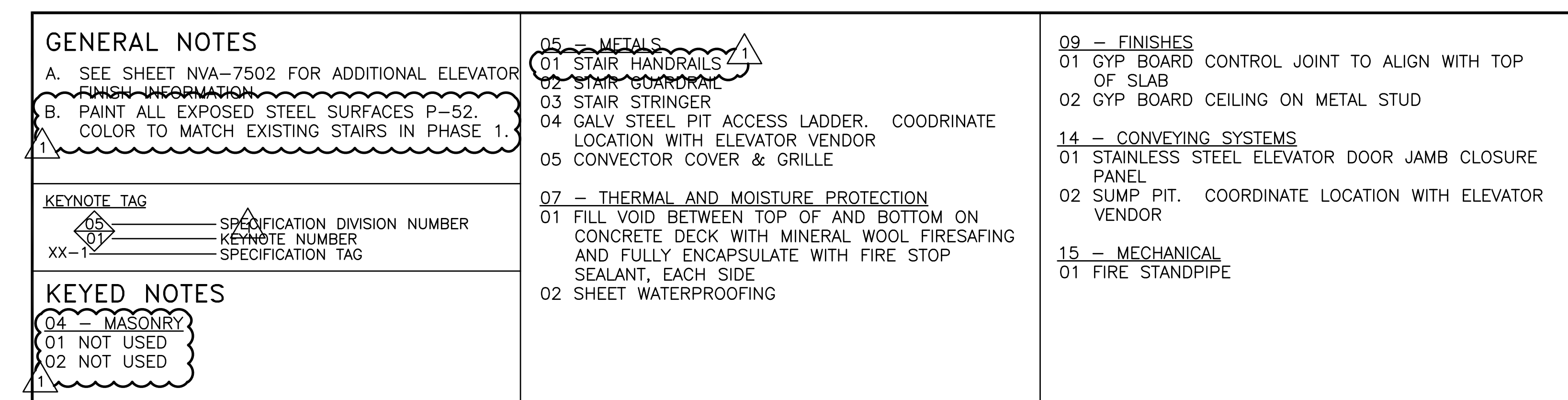
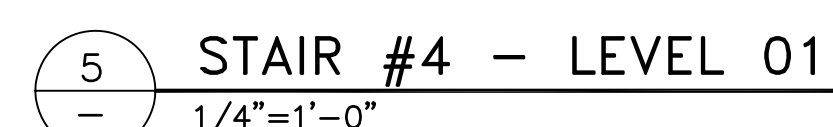
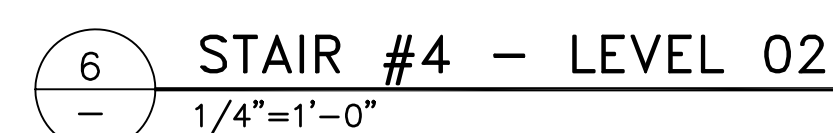
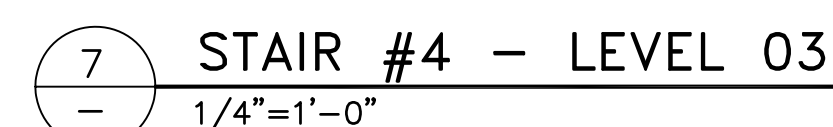
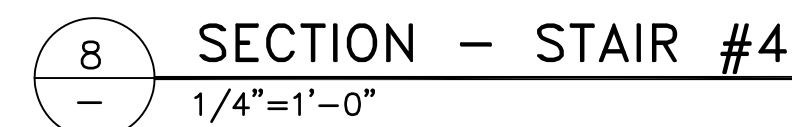
PROJECT NO.:
102002

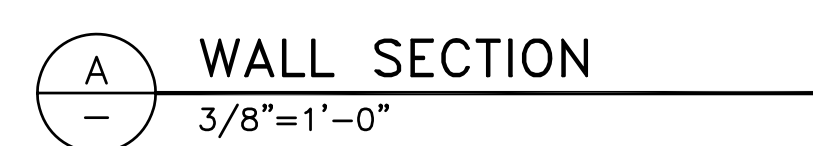
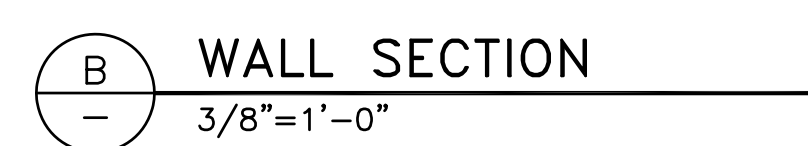
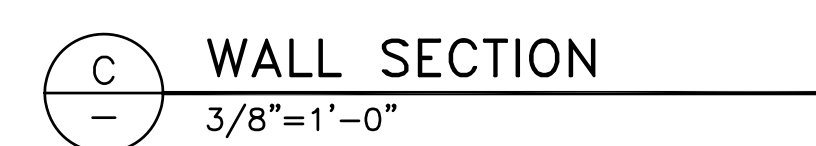
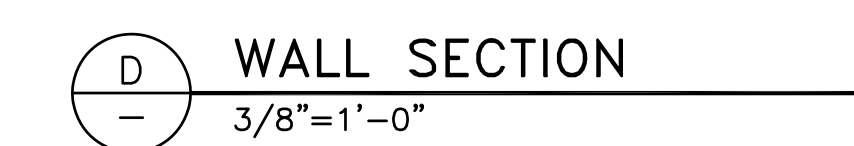
SHEET TITLE:

ARCHITECTURAL
PARTIAL PLANS

SHEET NO.

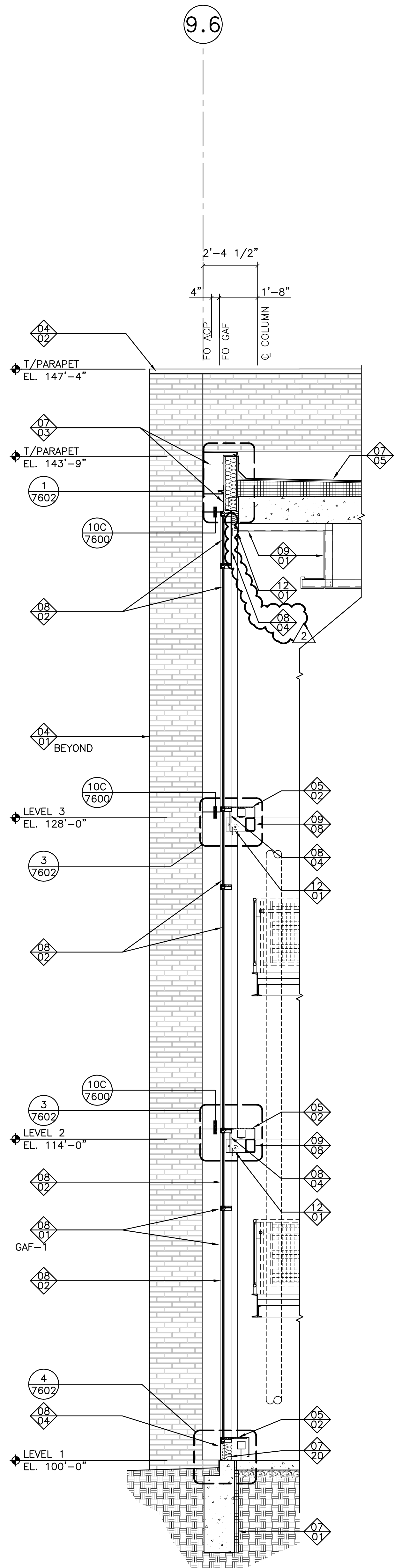
NVA-7001



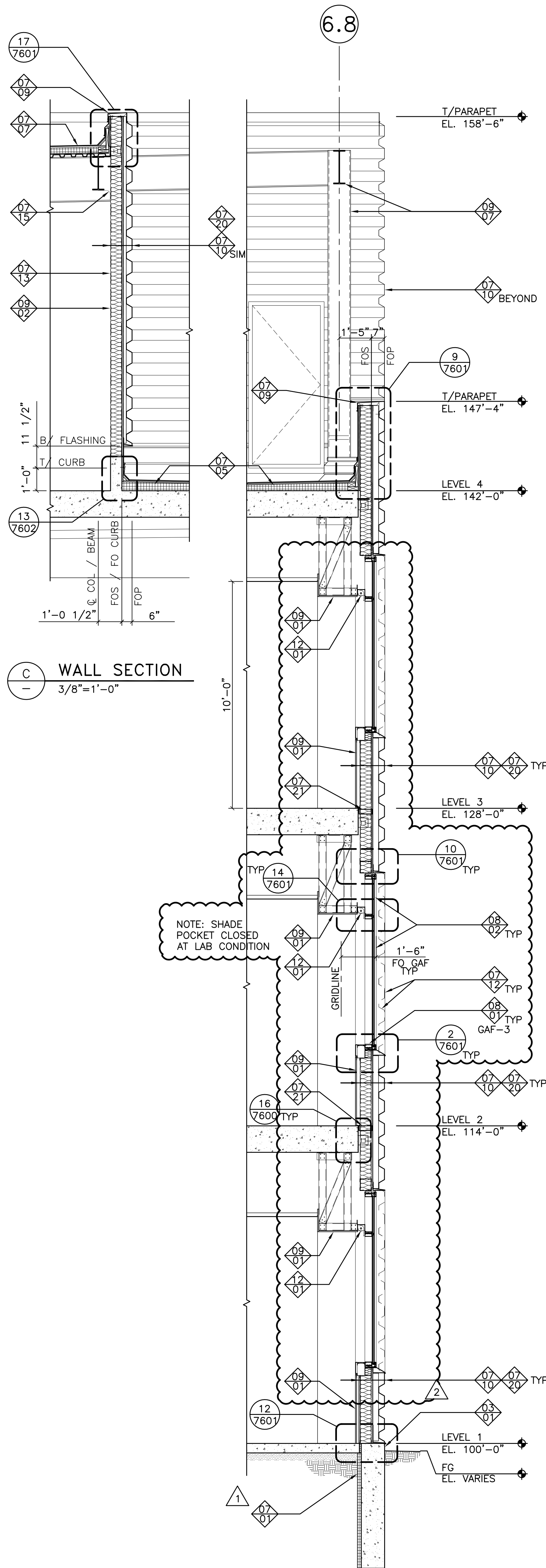


01 OUTSIDE AIR DUCT AND WALL PENETRATION SEAL,
SEE MECH

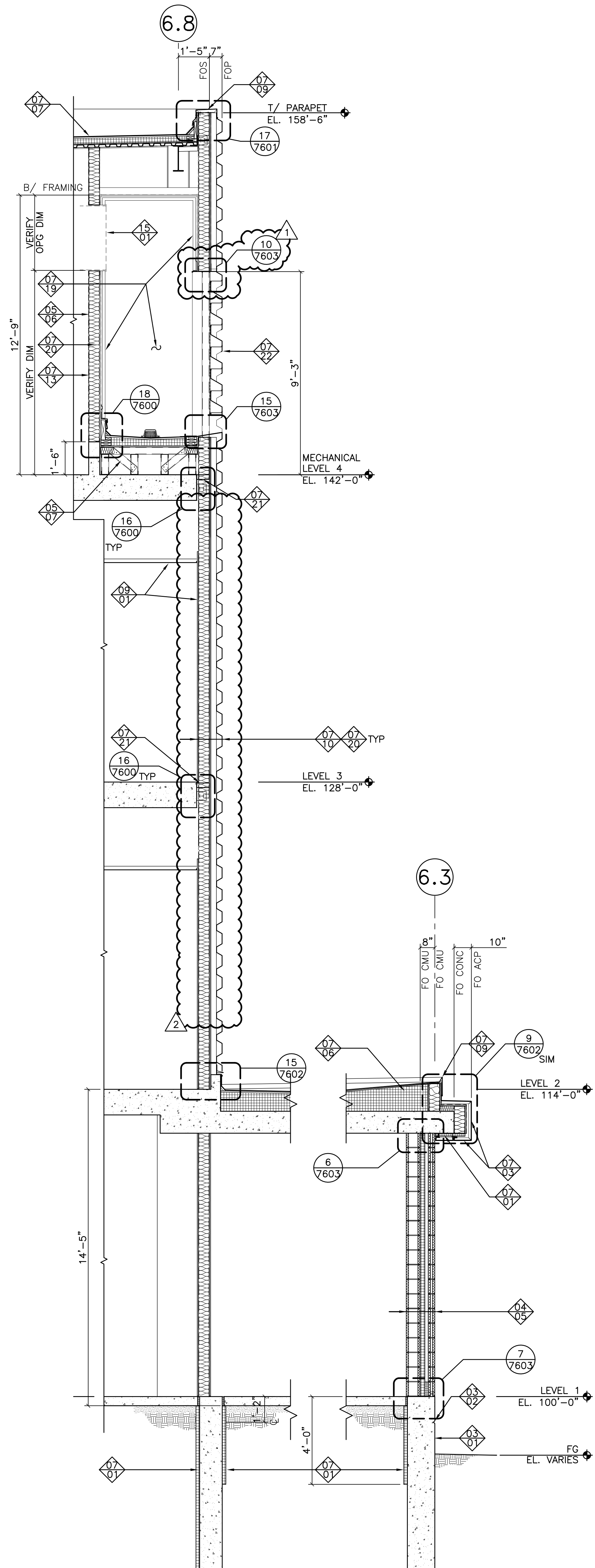
SHEET NO
NVA-7301



D WALL SECTION
3/8"=1'-0"



B WALL SECTION
3/8"=1'-0"



A WALL SECTION
3/8"=1'-0"

SCALE: 3/8" INCH = 1 FOOT
12" 0' 2' 4' 6'

GENERAL NOTE

SEE REFLECTED CEILING PLANS
NVA-2D0- & NVA-3D0- FOR ACP
SOFFIT EXTENTS & JOINT PATTERN.

KEYNOTE TAG

KEYNOTE NUMBER
SPECIFICATION TAG

KEYED NOTES

02 - SITEWORK
01 FINISHED GRADE

03 - CONCRETE

01 CONCRETE W/ SMOOTH-RUBBED FINISH
02 CHAMFER; SEE STRUCTURAL DRAWINGS
03 ROUND CONCRETE COLUMN FORWARD OF SECTION CUT

04 - MASONRY

01 BRICK VENEER; SEE DETAIL 2/NVA-7600 FOR WALL ASSEMBLY INCLUDING STEEL STUD BACKUP
02 CAST STONE
03 CMU
04 STONE VENEER; SEE DETAIL 4/NVA-7600 FOR WALL ASSEMBLY INCLUDING STEEL STUD BACKUP
05 CMU VENEER; SEE DETAIL 5/NVA-7600 FOR WALL ASSEMBLY INCLUDING CMU BACKUP
06 BRICK VENEER; SEE DETAIL 3/NVA-7600 FOR WALL ASSEMBLY INCLUDING CMU BACKUP

05 - METALS

01 STEEL SHELF ANGLE; SEE STRUCTURAL DRAWINGS
02 CONVECTOR COVER AND GRILLE
03 STEEL C-JOISTS; SEE STRUCTURAL DRAWINGS
04 GALV STEEL LADDER; SEE DETAIL
05 ROUND STEEL COLUMN FORWARD OF SECTION CUT
06 6" STEEL STUDS
07 4" STEEL STUDS
08 PAINTED WELDED WOVEN-WIRE SCREEN @ AIR INTAKE W/1"x1" OPENINGS & ATTACHED TO PAINTED STEEL FRAME. ATTACH STEEL FRAME@JAMBS ONLY, LEAVE 4" CLEAR VERTICAL BETWEEN BOTTOM OF FRAME & TOP OF ROOFING.
09 EXPANSION JOINT COVER

07 - THERMAL AND MOISTURE PROTECTION

01 2" RIGID INSULATION (R-10 MIN)
02 ALUM COMPOSITE PANEL (ACP); SEE DETAIL 9/NVA-7600 FOR WALL ASSEMBLY
03 ACP
04 NOT USED
05 ROOFING ASSEMBLY A; SEE DETAIL 13/NVA-7600
06 ROOFING ASSEMBLY B; SEE DETAIL 14/NVA-7600
07 ROOFING ASSEMBLY C; SEE DETAIL 15/NVA-7600
08 GALV SHEET METAL PARAPET COVERING, OVER SHEET AIR BARRIER, OVER GYPSUM SHEATHING
09 SHEET METAL COPING
10 PROFILED METAL PANEL (PMP); SEE DETAIL 7/NVA-7600 FOR WALL ASSEMBLY
11 2" RIGID INSULATION (R-10 MIN) OVER BITUMINOUS DAMPPROOFING
12 OUTLINE OF PROFILED METAL PANEL AND TRIM BEYOND
13 FOIL-FACED SHEET VAPOR RETARDER, WHERE EXPOSED AT LEVEL 4
14 OMIT SHEET VAPOR RETARDER BEHIND CMU WALL
15 TERMINATE AND SEAL VAPOR RETARDER AT BOTTOM FLANGE OF BEAM
16 SELF-LEVELING JOINT SEALANT (S6 OR S7) OVER JOINT FILLER STRIP
17 BITUMINOUS DAMPPROOFING
18 PROFILED METAL PANEL FASTENED TO VERTICAL STRUCTURAL SUPPORT; SEE STRUCTURAL DRAWINGS FOR SUPPORT SPACING
19 1 1/2" PROFILED METAL (VERTICAL) OVER 7/8" GALV METAL HAT CHANNELS OVER SHEET AIR BARRIER OVER GYPSUM SHEATHING. FULL ASSEMBLY ON ALL EXTERIOR CONDITIONS (WALLS & SOFFIT) @ AIR INTAKE OPENINGS.
20 R-19 BATT INSULATION
21 1 HOUR CONSTRUCTION GAP FIRE STOP AT EXTERIOR WALLS
22 PROFILED METAL PANEL INTEGRATED LOUVER (HORIZONTAL RIB) AT AIR INTAKE; EXTERIOR FINISH AND COLOR ON BOTH FACES.

08 - DOORS AND WINDOWS

01 GLAZED ALUM FRAMING SYSTEM (GAF)
02 GLASS; SEE ELEVATIONS FOR TYPE
03 NOT USED
04 ALUM CLOSURE BY GLAZING SYSTEM INSTALLER. COLOR AND FINISH TO MATCH GAF.
05 OVERHEAD COILING DOOR

09 - FINISHES

01 GYPSUM BOARD
02 OMIT GYPSUM BOARD AT INTERIOR FACE OF WALL
03 FLOOR COATING SYSTEM AS SPECIFIED IN SECTION 09675
04 WALL AND CEILING COATING SYSTEM AS SPECIFIED IN SECTION 09675
05 TWO LAYERS 1/2" GYPSUM BOARD ON METAL FURRING CHANNELS
06 WALL COATING SYSTEM AS SPECIFIED IN SECTION 09960, EXCEPT ONE FINISH COAT ONLY
07 PAINT P-51 ON EXTERIOR STRUCTURAL STEEL
08 PAINT P-52 ON INTERIOR STRUCTURAL STEEL
09 RATED ASSEMBLY BETWEEN PHASE I & 2, SEE ARCHITECTURAL FLOOR PLANS
10 2-HOUR RATED HORIZONTAL ASSEMBLY. SEE NVA-1DE- FOR EXTENT
11 - EQUIPMENT
01 REINSTALL SALVAGED DOCK LEVELER. COORDINATE PIT DIMENSIONS AND ELECTRICAL PENETRATIONS WITH MANUFACTURER.

12 - FURNISHINGS

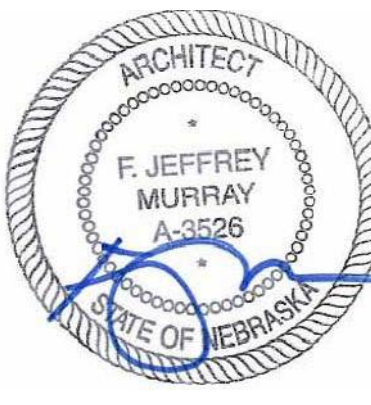
01 ROLLER SHADE

15 - MECHANICAL

01 OUTSIDE AIR DUCT AND WALL PENETRATION SEAL, SEE MECH

IDA ARCHITECTS
2020 SW 4th Ave., Third Floor
Portland, Oregon 97204
P: 503.228.1111
F: 503.228.1112
IDA PROJ # 402195

FARRIS
ENGINEERING
OMAHA LINCOLN DES MOINES COLORADO SPRINGS
farris-usa.com



COPYRIGHT: This document and the information contained may not be reproduced or excerpted without the written permission of Farris Engineering, Inc. Unauthorised copying, reuse or construction use are prohibited by law. Copyright 2019.

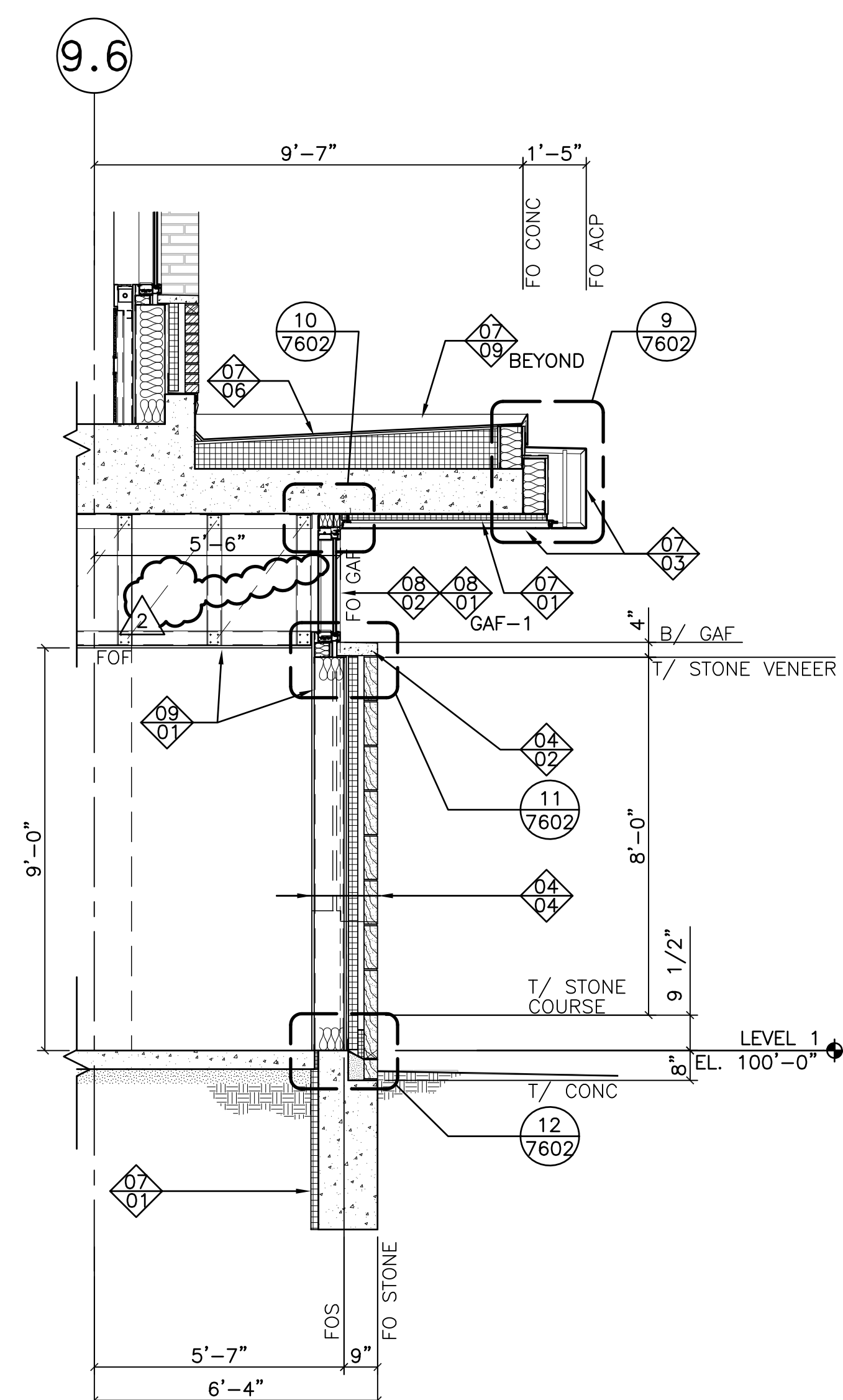
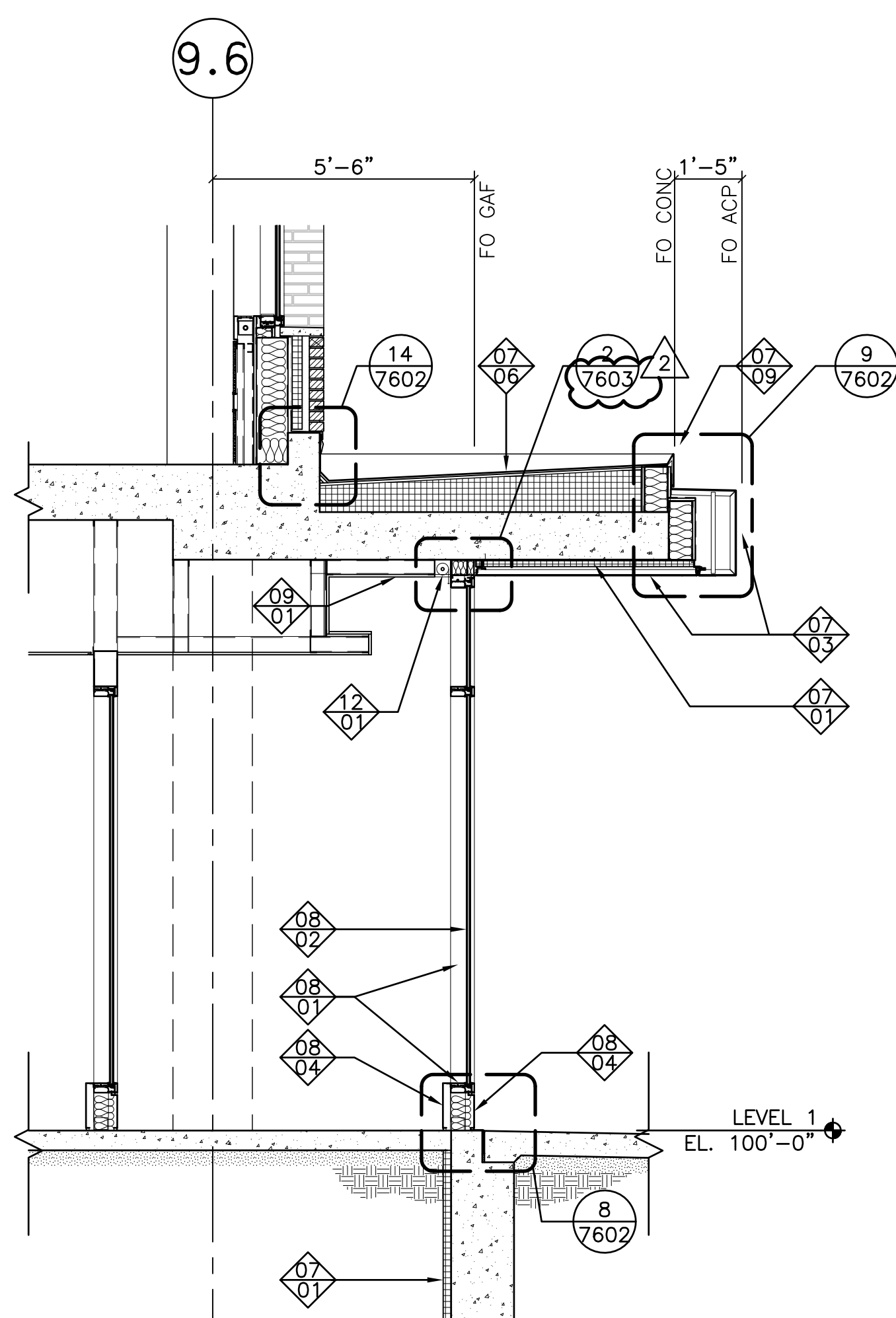
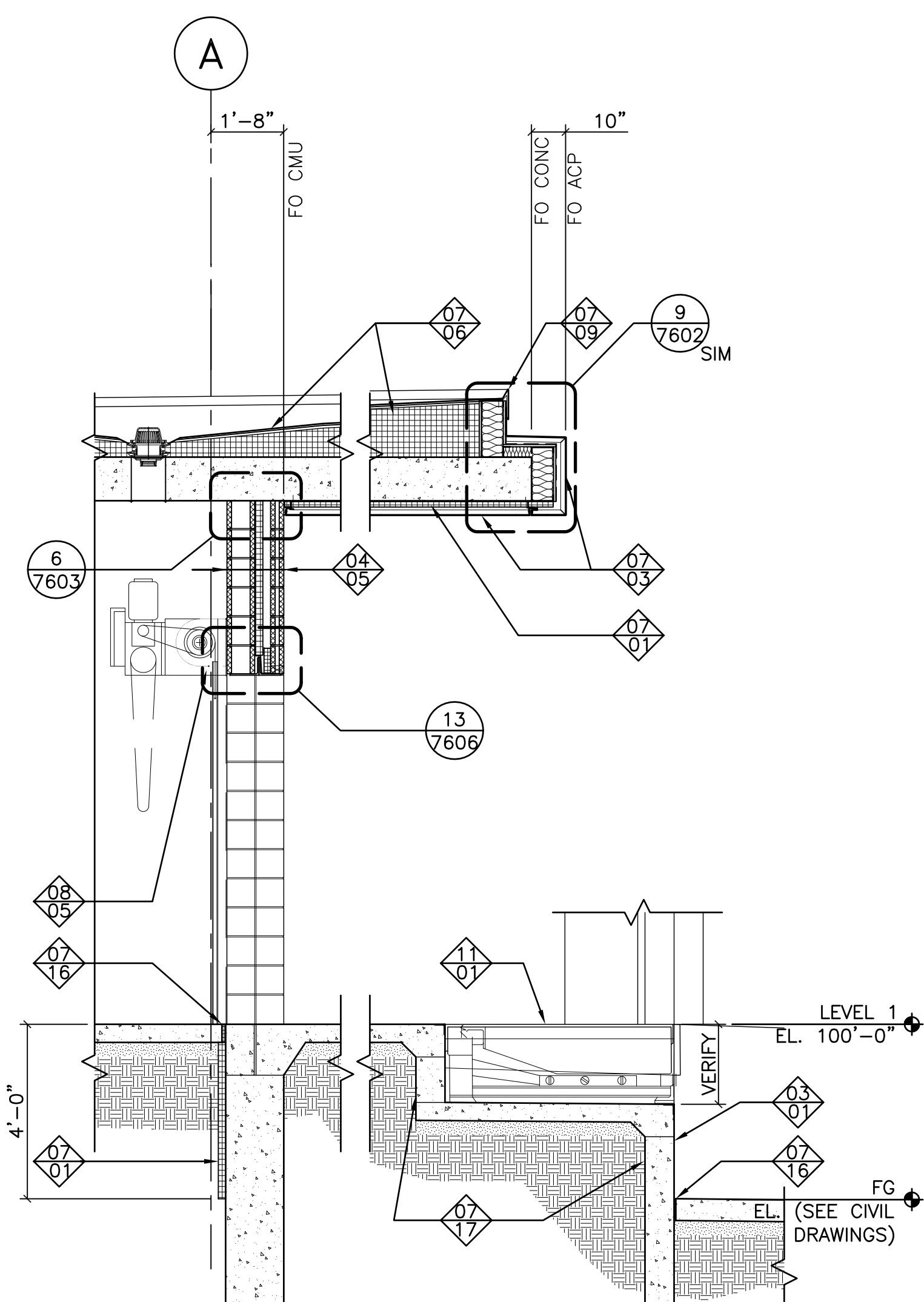
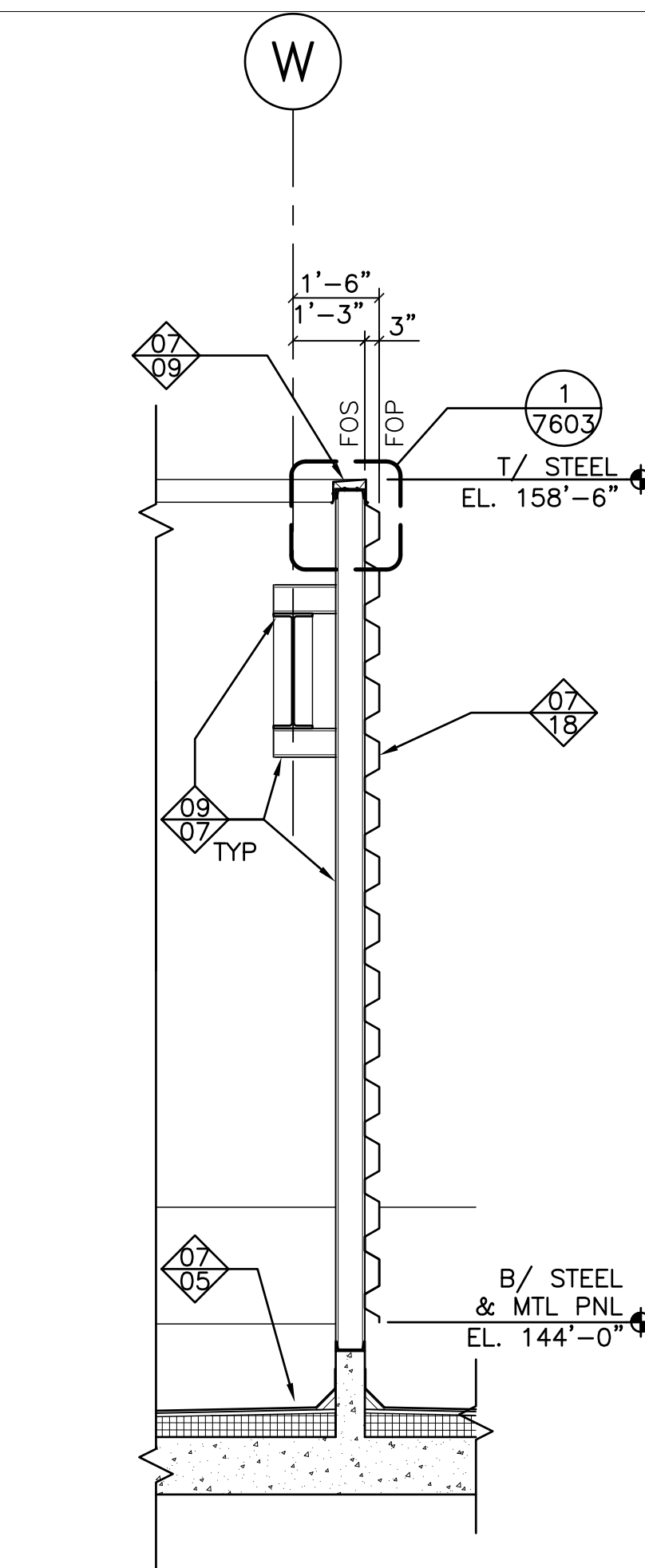
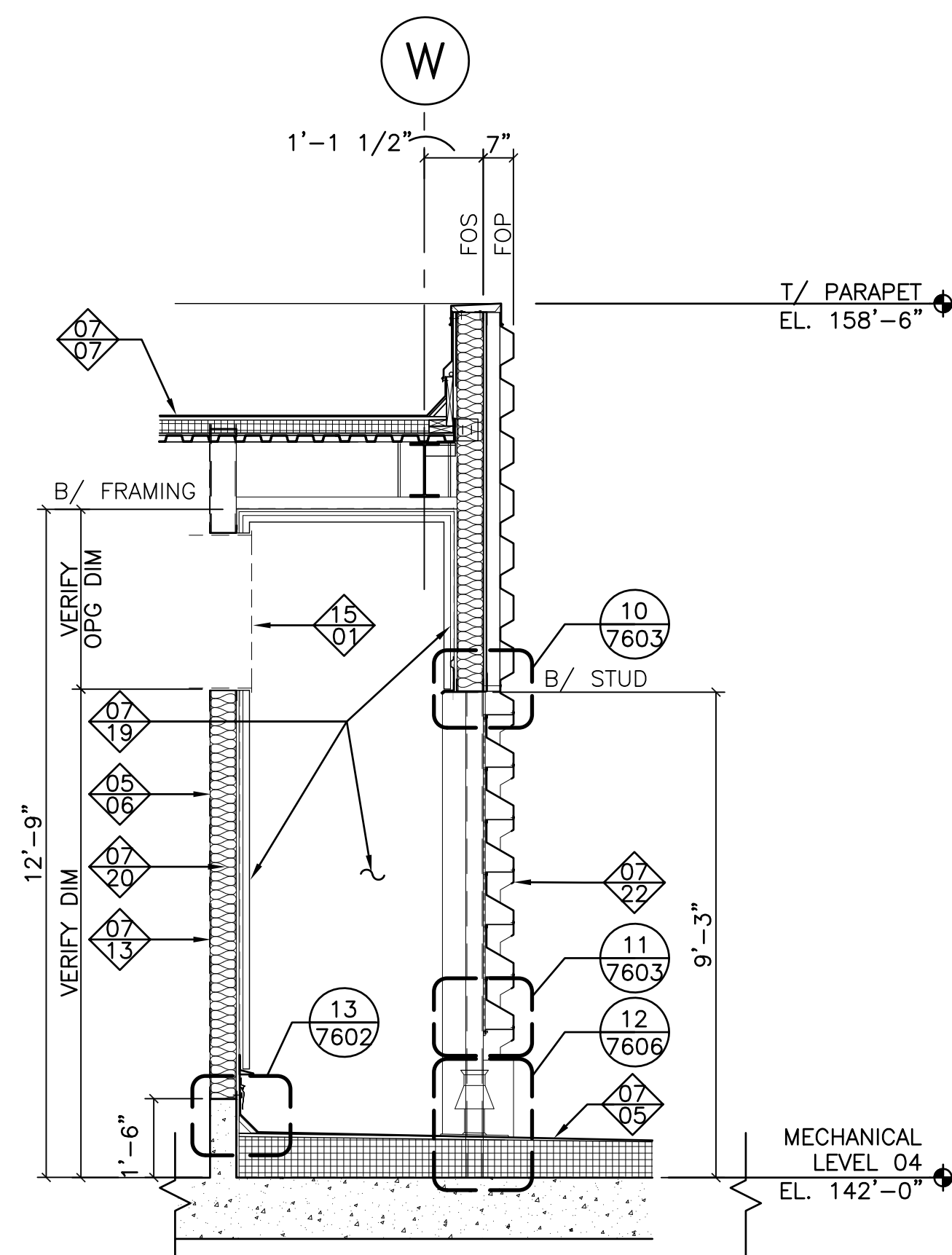
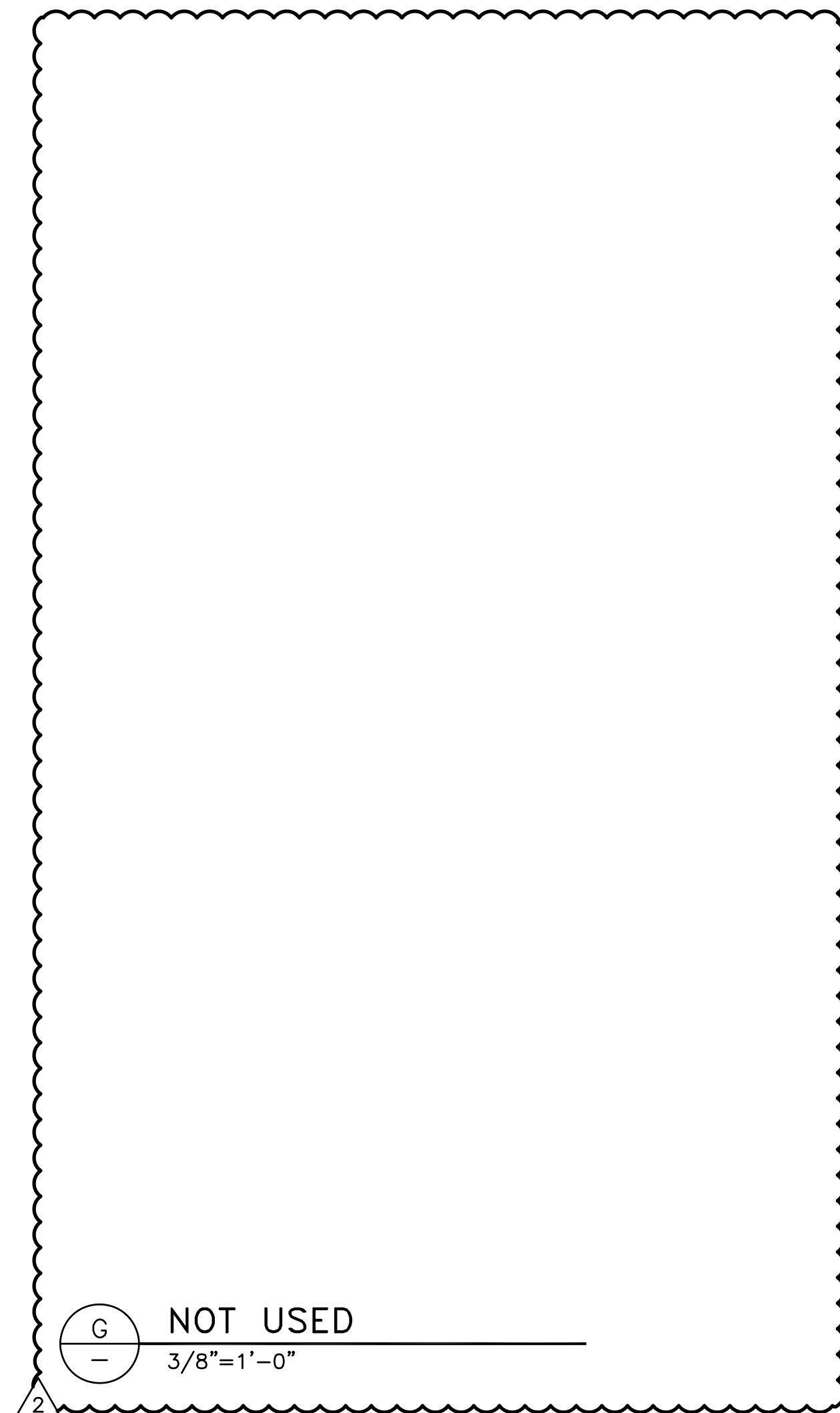
REVISIONS
ADD 1 11-21-2011
ADD 3 03-30-2012

KEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION
UNIVERSITY OF NEBRASKA
Lincoln

DESIGNED BY:
DRAWN BY:
CHECKED BY:
DATE:
MAY 26, 2011
PROJECT NO.:
102002

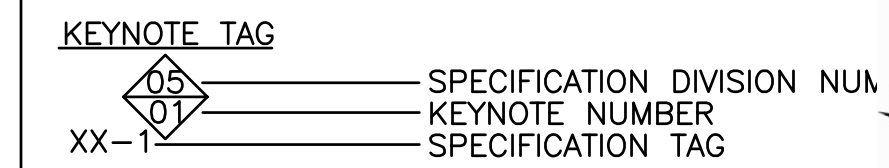
SHEET TITLE:
ARCHITECTURAL
WALL SECTIONS

SHEET NO
NVA-7302



GENERAL NOTE

SEE REFLECTED CEILING PLANS
NVA-2D0- & NVA-3D0- FOR ACP
SOFFIT EXTENTS & JOINT PATTERN.



KEYED NOTES

02 - SITEWORK
01 FINISHED GRADE

03 - CONCRETE

01 CONCRETE W/ SMOOTH-RUBBED FINISH

02 CHAMFER; SEE STRUCTURAL DRAWINGS

03 ROUND CONCRETE COLUMN FORWARD OF SECTION CUT

04 - MASONRY

01 BRICK VENEER; SEE DETAIL 2/NVA-7600 FOR
WALL ASSEMBLY INCLUDING STEEL STUD BACKUP

02 CAST STONE

03 CMU

04 STONE VENEER; SEE DETAIL 4/NVA-7600 FOR
WALL ASSEMBLY INCLUDING STEEL STUD BACKUP

05 CMU VENEER; SEE DETAIL 5/NVA-7600 FOR WALL
ASSEMBLY INCLUDING CMU BACKUP

06 BRICK VENEER; SEE DETAIL 3/NVA-7600 FOR
WALL ASSEMBLY INCLUDING CMU BACKUP

05 - METALS
01 STEEL SHELF ANGLE; SEE STRUCTURAL DRAWINGS
02 CONVCTOR COVER AND GRILLE
03 STEEL C-JOISTS; SEE STRUCTURAL DRAWINGS
04 GALV STEEL LADDER; SEE DETAIL
05 ROUND STEEL COLUMN FORWARD OF SECTION
CUT
06 6" STEEL STUDS
07 4" STEEL STUDS
08 PAINTED WELDED WOVEN-WIRE SCREEN @ AIR
INTAKE W/1"x1" OPENINGS & ATTACHED TO
PAINTED STEEL FRAME. ATTACH STEEL
FRAME@JAMBS ONLY, LEAVE 4" CLEAR VERTICAL
BETWEEN BOTTOM OF FRAME & TOP OF ROOFING.
09 EXPANSION JOINT COVER

- 07 - THERMAL AND MOISTURE PROTECTION
- 01 2" RIGID INSULATION (R-10 MIN)
- 02 ALUM COMPOSITE PANEL (ACP); SEE DETAIL 9/NVA-7600 FOR WALL ASSEMBLY
- 03 ACP
- 04 NOT USED
- 05 ROOFING ASSEMBLY A; SEE DETAIL 13/NVA-7600
- 06 ROOFING ASSEMBLY B; SEE DETAIL 14/NVA-7600
- 07 ROOFING ASSEMBLY C; SEE DETAIL 15/NVA-7600
- 08 GALV SHEET METAL PARAPET COVERING, OVER SHEET AIR BARRIER, OVER GYPSUM SHEATHING
- 09 SHEET METAL COPING
- 10 PROFILED METAL PANEL (PMP); SEE DETAIL 7/NVA-7600 FOR WALL ASSEMBLY
- 11 2" RIGID INSULATION (R-10 MIN) OVER BITUMINOUS DAMPPROOFING
- 12 OUTLINE OF PROFILED METAL PANEL AND TRIM BEYOND
- 13 FOIL-FACED SHEET VAPOR RETARDER, WHERE EXPOSED AT LEVEL 4
- 14 OMIT SHEET VAPOR RETARDER BEHIND CMU WALL
- 15 TERMINATE AND SEAL VAPOR RETARDER AT BOTTOM FLANGE OF BEAM
- 16 SELF-LEVELING JOINT SEALANT (S6 OR S7) OVER JOINT FILLER STRIP
- 17 BITUMINOUS DAMPPROOFING
- 18 PROFILED METAL PANEL FASTENED TO VERTICAL STRUCTURAL SUPPORT; SEE STRUCTURAL DRAWINGS FOR SUPPORT SPACING
- 19 1 1/2" PROFILED METAL (VERTICAL) OVER 7/8" GALV METAL HAT CHANNELS OVER SHEET AIR BARRIER OVER GYPSUM SHEATHING. FULL ASSEMBLY ON ALL INTERIOR CONDITIONS (WALLS & SOFFIT) @ AIR INTAKE OPENINGS.
- 20 R-19 BATT INSULATION
- 21 1 HOUR CONSTRUCTION GAP FIRE STOP AT EXTERIOR WALLS
- 22 PROFILED METAL PANEL INTEGRATED LOUVER (HORIZONTAL RIB) AT AIR INTAKE; EXTERIOR FINISH AND COLOR ON BOTH FACES.

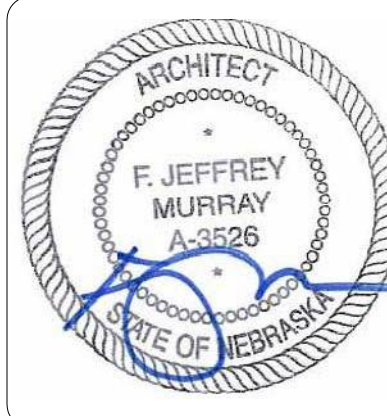
08 - DOORS AND WINDOWS
01 GLAZED ALUM FRAMING SYSTEM (GAF)
02 GLASS: SEE ELEVATIONS FOR TYPE
03 NOT USED
04 ALUM CLOSURE BY GLAZING SYSTEM INSTALLER.
COLOR AND FINISH TO MATCH GAF.
05 OVERHEAD COILING DOOR

- 09 — FINISHES
- 01 GYPSUM BOARD
- 02 OMIT GYPSUM BOARD AT INTERIOR FACE OF WALL
- 03 FLOOR COATING SYSTEM AS SPECIFIED IN SECTION 09675
- 04 WALL AND CEILING COATING SYSTEM AS SPECIFIED IN SECTION 09675
- 05 TWO LAYERS 1/2" GYPSUM BOARD ON METAL FURRING CHANNELS
- 06 WALL COATING SYSTEM AS SPECIFIED IN SECTION 09960, EXCEPT ONE FINISH COAT ONLY
- 07 PAINT P-51 ON EXTERIOR STRUCTURAL STEEL
- 08 PAINT P-52 ON INTERIOR STRUCTURAL STEEL
- 09 RATED ASSEMBLY BETWEEN PHASE 1 & 2, SEE ARCHITECTURAL FLOOR PLANS
- 10 2-HOUR RATED HORIZONTAL ASSEMBLY. SEE NVA-1DE— FOR EXTENT
- 11 — EQUIPMENT
- 01 REINSTALL SALVAGED DOCK LEVELER, COORDINATE PIT DIMENSIONS AND ELECTRICAL PENETRATIONS WITH MANUFACTURER.

12 - FURNISHINGS
01 ROLLER SHADE

15 - MECHANICAL
01 OUTSIDE AIR DUCT AND WALL PENETRATION SEAL,
SEE MECH

15 - MECHANICAL
01 OUTSIDE AIR DUCT AND WALL PENETRATION SEAL,
SEE MECH



COPYRIGHT: This document and the information contained may not be reproduced or excerpted from without express written permission of FARRIS ENGINEERING, INC. Unauthorized copying, disclosure or construction use are prohibited by

REVISIONS —
ADDM 1 11-21-20

DESIGNED BY:

DRAWN BY: _____

CHECKED BY: _____

DATE: _____

PROJECT NO:—

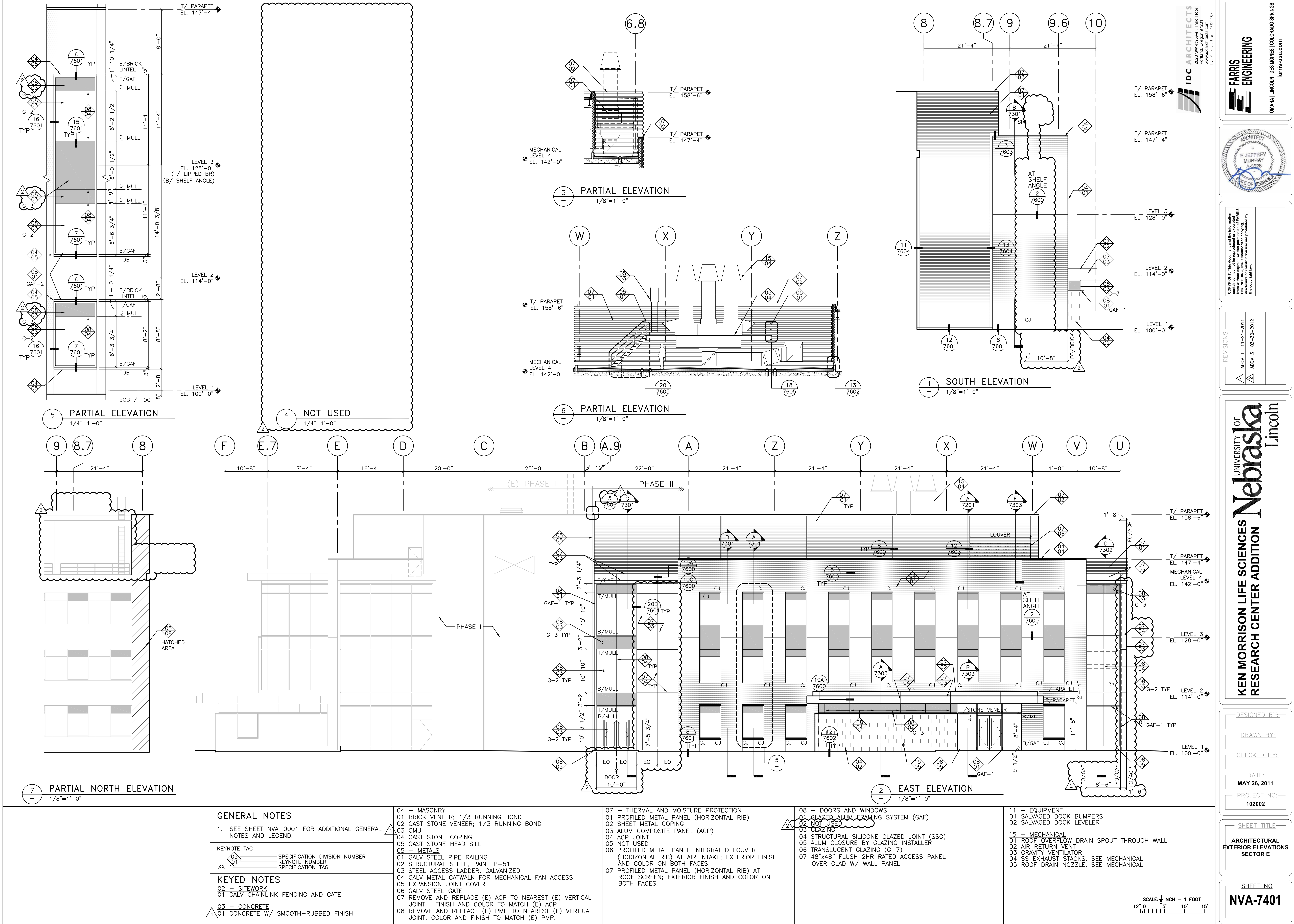
Page 10

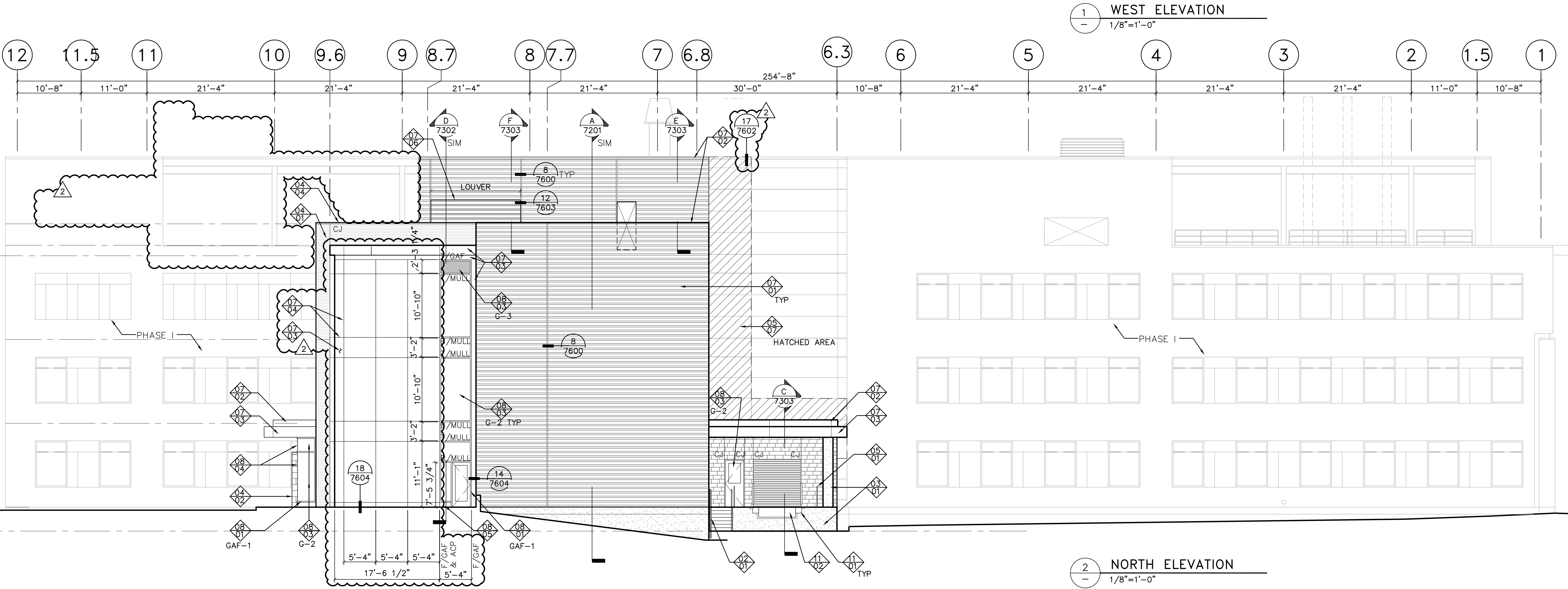
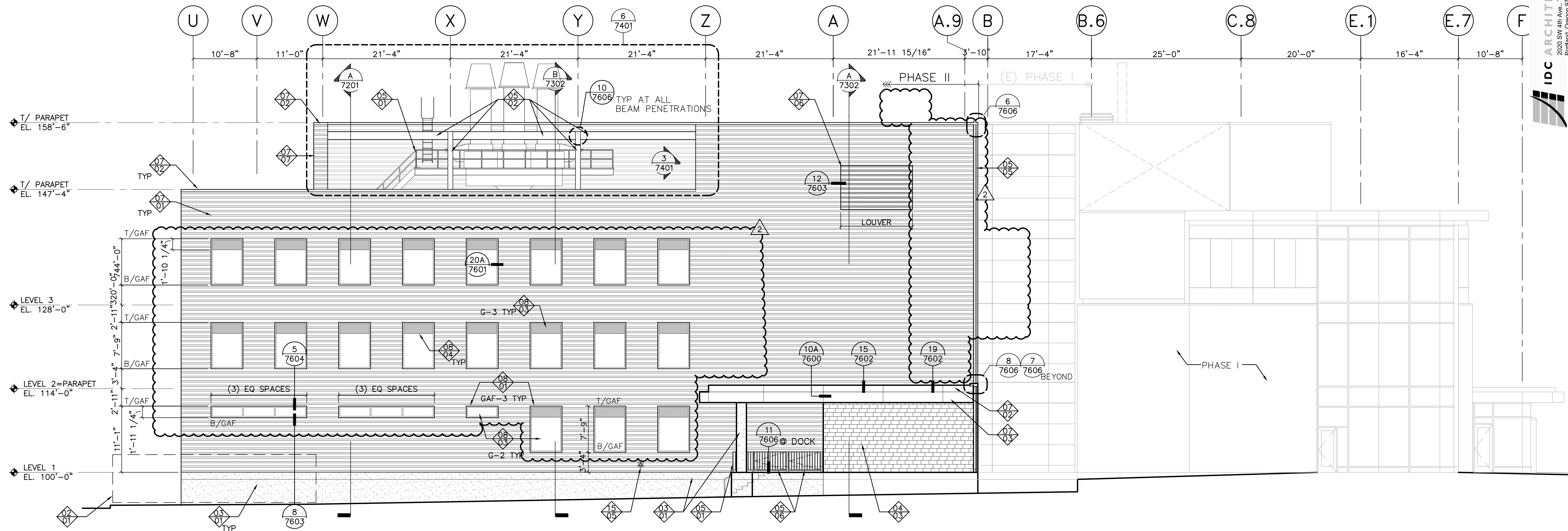
SHEET TITLE

WALL SECTIONS

SHEET NO

NVA 1999





GENERAL NOTES

1. SEE SHEET NVA-0001 FOR ADDITIONAL GENERAL NOTES AND LEGEND.

KEYNOTE TAG

01 SPECIFICATION DIVISION NUMBER
02 KEYNOTE NUMBER
03 SPECIFICATION TAG

KEYED NOTES

02 - SITEWORK
01 GALV CHAINLINK FENCING AND GATE

03 - CONCRETE

01 CONCRETE W/ SMOOTH-RUBBED FINISH

04 - MASONRY

01 BRICK VENEER; 1/3 RUNNING BOND
02 CAST STONE VENEER; 1/3 RUNNING BOND
03 CMU
04 CAST STONE COPING
05 CAST STONE HEAD SILL

05 - METALS

01 GALV STEEL PIPE RAILING
02 STRUCTURAL STEEL, PAINT P-51
03 STEEL ACCESS LADDER, GALVANIZED
04 GALV METAL CATWALK FOR MECHANICAL FAN ACCESS
05 EXPANSION JOINT COVER
06 GALV STEEL GATE

07 REMOVE AND REPLACE (E) ACP TO NEAREST (E) VERTICAL JOINT. FINISH AND COLOR TO MATCH (E) ACP.
08 REMOVE AND REPLACE (E) PMP TO NEAREST (E) VERTICAL JOINT. COLOR AND FINISH TO MATCH (E) PMP.

07 - THERMAL AND MOISTURE PROTECTION

01 PROFILED METAL PANEL (HORIZONTAL RIB)
02 SHEET METAL COPING
03 ALUM COMPOSITE PANEL (ACP)
04 ACP JOINT
05 NOT USED
06 PROFILED METAL PANEL INTEGRATED LOUVER (HORIZONTAL RIB) AT AIR INTAKE; EXTERIOR FINISH AND COLOR ON BOTH FACES.
07 PROFILED METAL PANEL (HORIZONTAL RIB) AT ROOF SCREEN; EXTERIOR FINISH AND COLOR ON BOTH FACES.

08 - DOORS AND WINDOWS

01 GLAZED ALUM FRAMING SYSTEM (GAF)
02 NOT USED
03 GLAZING
04 STRUCTURAL SILICONE GLAZED JOINT (SSG)
05 ALUM CLOSURE BY GLAZING INSTALLER
06 TRANSLUCENT GLAZING (G-7)
07 48"x48" FLUSH 2HR RATED ACCESS PANEL OVER CLAD W/ WALL PANEL

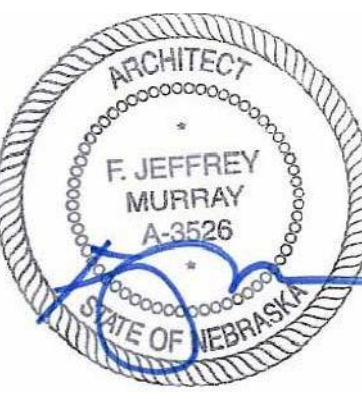
11 - EQUIPMENT

01 SALVAGED DOCK BUMPERS
02 SALVAGED DOCK LEVELER

15 - MECHANICAL

01 ROOF OVERFLOW DRAIN SPOUT THROUGH WALL
02 AIR RETURN VENT
03 GRAVITY VENTILATOR
04 SS EXHAUST STACKS, SEE MECHANICAL
05 ROOF DRAIN NOZZLE, SEE MECHANICAL

SCALE: 1/8" = 1' FOOT
12" 0' 5' 10' 15'



COPYRIGHT: This document and the information contained may not be reproduced or excerpted from without express written permission of FARRIS ENGINEERING, INC. Unauthorized copying, disclosure or construction use are prohibited by

REVISIONS	
1	ADDM 2 11-29-2011
2	ADDM 3 03-30-2012

KEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION

UNIVERSITY OF
Nebraska
Lincoln

DESIGNED BY: _____

— DRAWN BY: —

CHECKED BY: _____

DATE: **MAY 26, 2011**

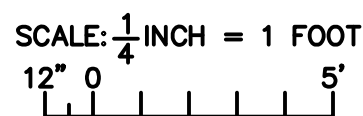
PROJECT NO: **102002**

— SHEET TITLE —

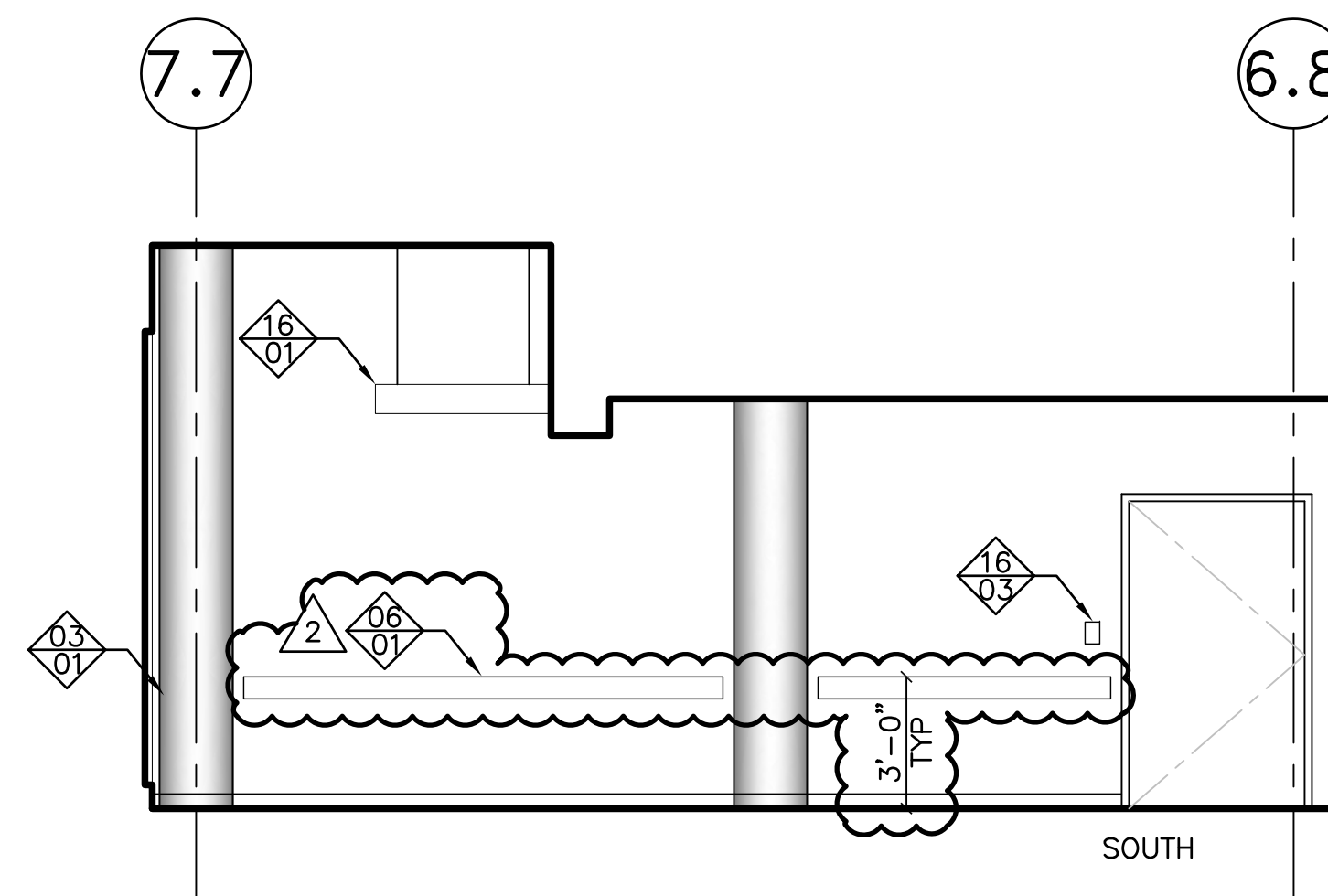
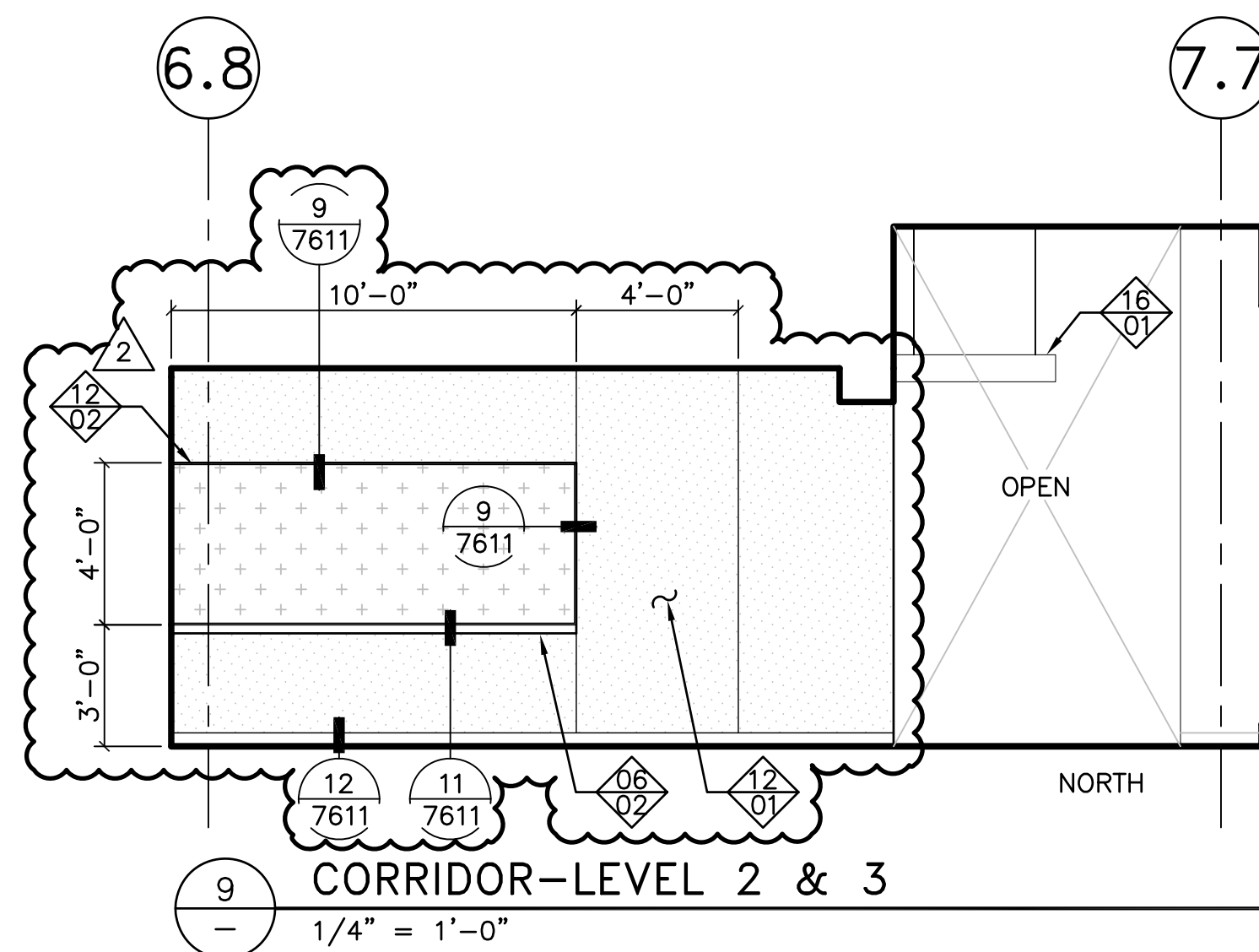
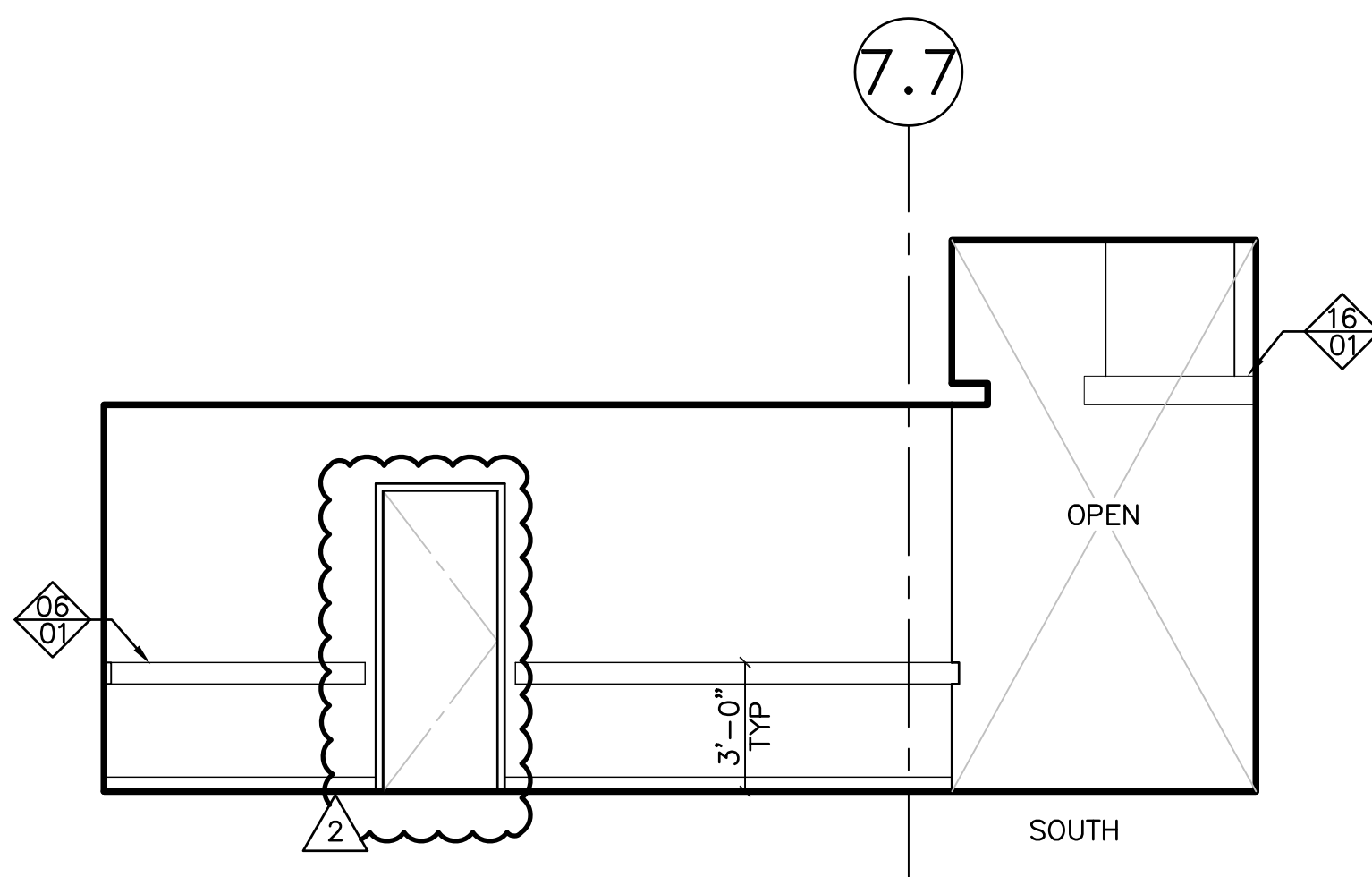
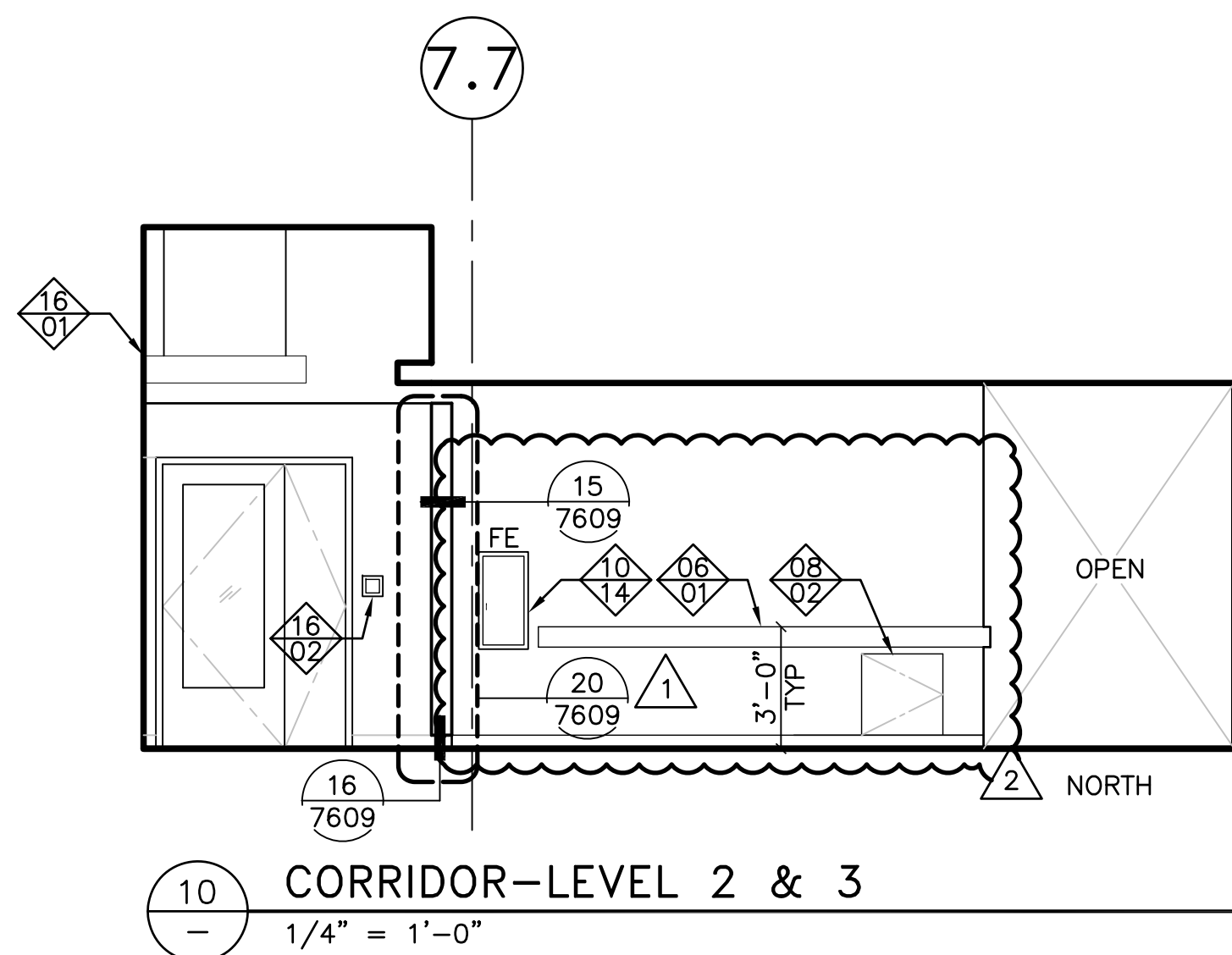
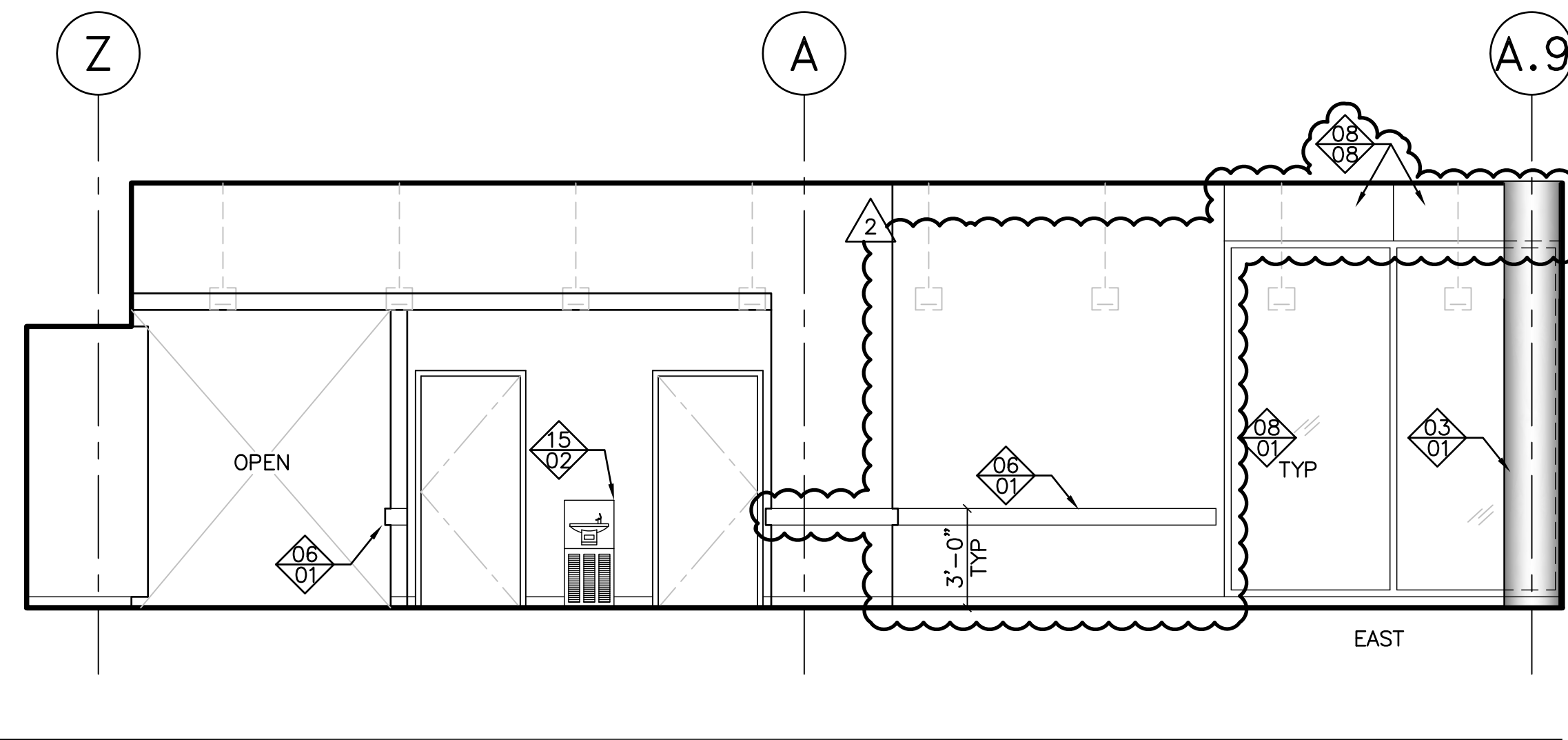
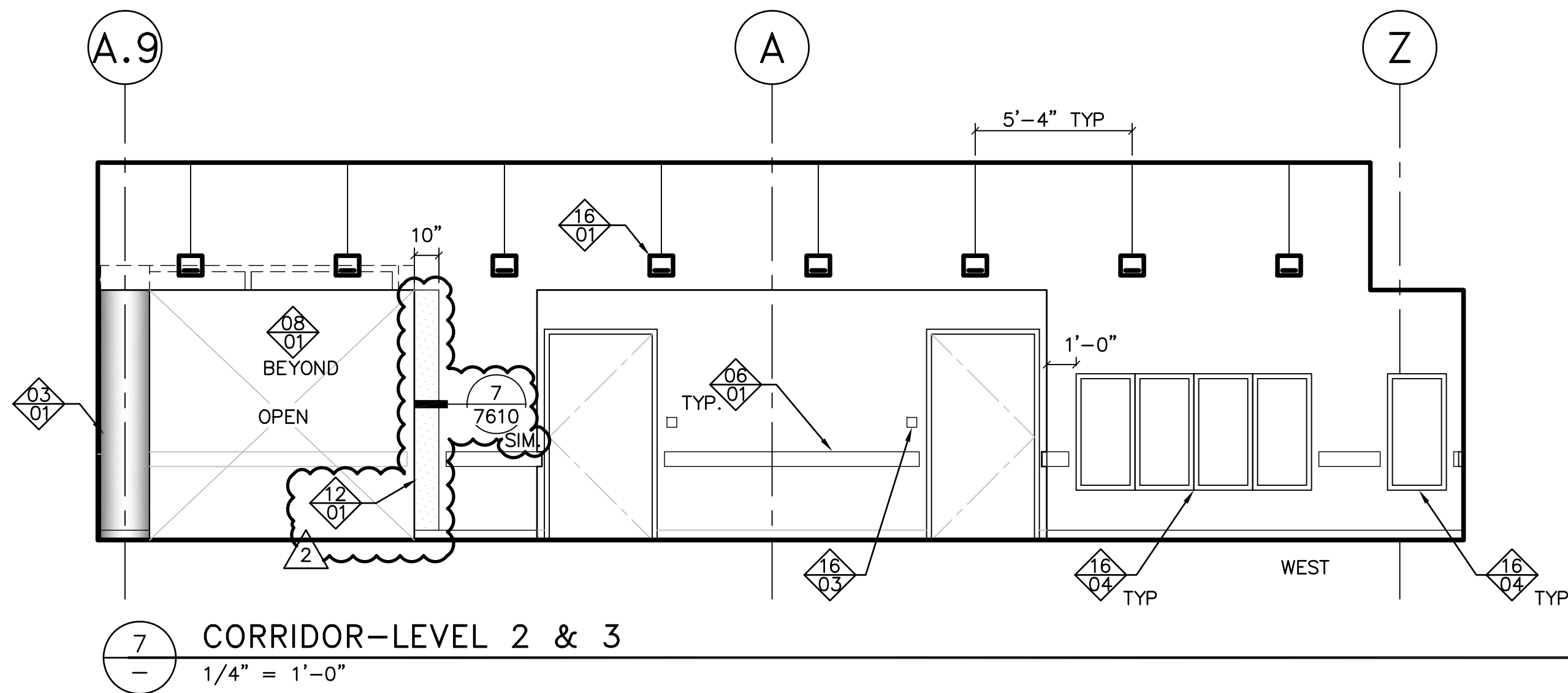
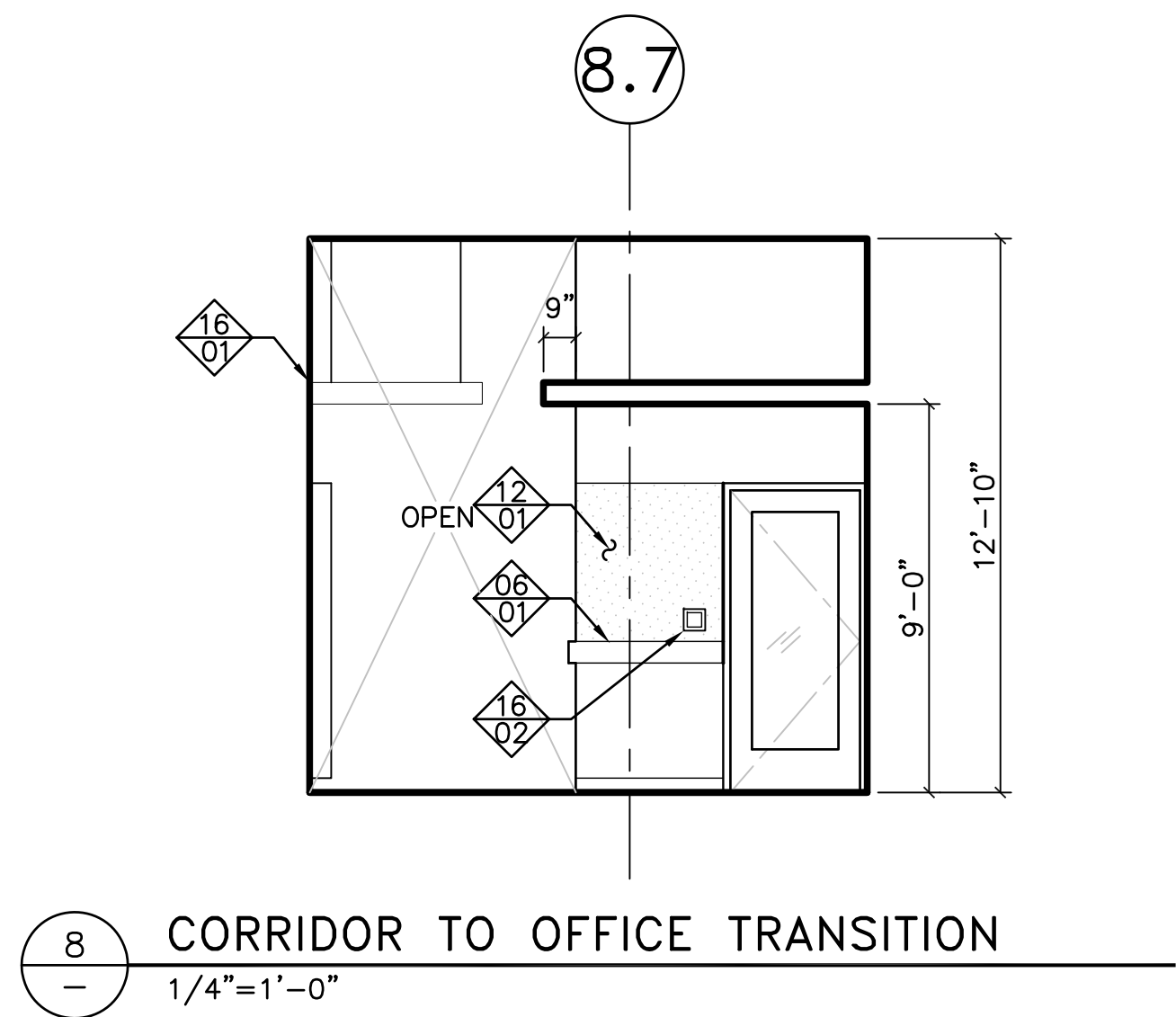
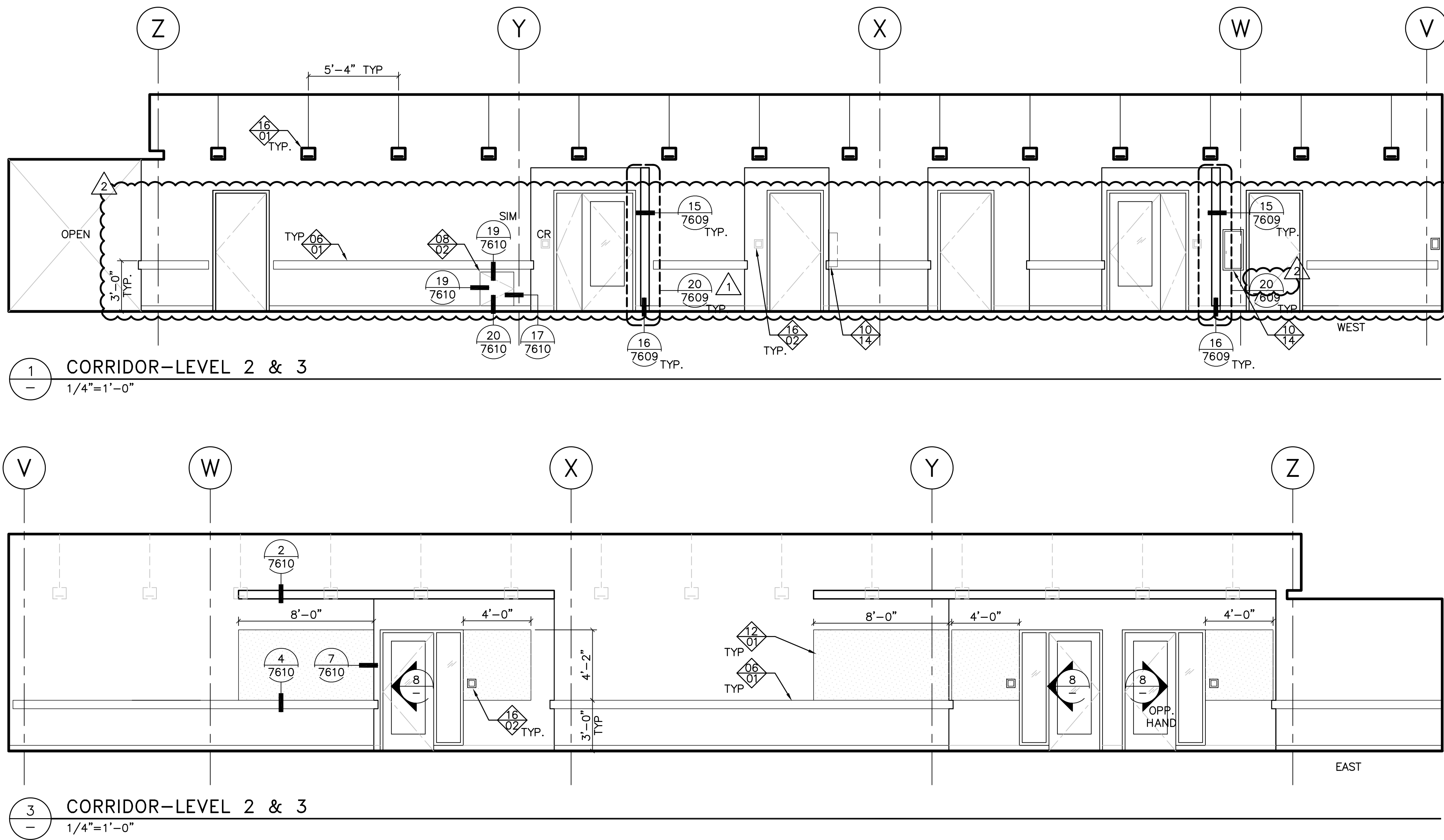
ARCHITECTURAL
INTERIOR
ELEVATIONS

SHEET NO _____

NVA-7501



15	—	<u>MECHANICAL (CONT)</u>
01	LAVATORY	
02	DRINKING FOUNTAIN	
03	CONTINUOUS LINEAR DIFFUSER	
04	FCU; SEE MECHANICAL	
16	—	<u>ELECTRICAL</u>
01	LUMINAIRE	
02	ELECTRICAL DEVICE. COORDINATE	
	HOLE IN WALL PANEL	
03	ELECTRICAL DEVICE	
04	ELECTRICAL PANEL	
05	ANNUNCIATOR PANEL	



GENERAL NOTES

1. SEE SHEET NVA-0001 FOR ADDITIONAL GENERAL NOTES AND LEGEND.

KEYNOTE TAG

06-01 SPECIFICATION DIVISION NUMBER
XX-11 KEYNOTE NUMBER
SPECIFICATION TAG

KEYED NOTES

03 - CONCRETE
01 CONCRETE W/ SMOOTH-RUBBED FINISH

04 - MASONRY

01 CAST STONE VENEER; 1/3 RUNNING BOND
02 CAST STONE HEAD SILL

06 - WOOD AND PLASTICS

01 WALL GUARD
02 MARKER TRAY
03 CASEWORK
04 4" BASEBOARD
05 WALL PANEL
06 WOOD BENCH
07 CONTINUOUS CUSTOM WALL PANEL SCREEN IN FRONT OF MECHANICAL RETURN

08 - DOORS AND WINDOWS

01 GLASS (G-4)
02 24"x24" FLUSH 2HR RATED ACCESS PANEL TO MATCH ADJACENT WALL FINISH
03 RECESSED 2HR RATED DOOR ON MAGNETIC HOLD OPEN
04 TRANSLUCENT GLAZING (G-7)
05 FUTURE 3'-0" X 7'-0" DOOR
06 MOVEABLE PARTITION WALL POCKET DOOR W/WPL-1
07 CLOSET DOOR PANEL WPL-1
08 ALUMINUM CLOSURE PANEL. MATCH COLOR AND FINISH OF GAF.

09 - FINISHES (CONT)

01 WALL TILE
02 BASE TILE
03 NOT USED
04 PAINTED GWB PANEL
05 PAINTED PLASTER
06 GLASS TILE: (ALTERNATE TILES TYP. GT-1, GT-2, GT-3, GT-4)
07 BULLNOSE TILE

10 - SPECIALTIES

01 ROBE HOOK
02 TOILET PARTITION

10 - SPECIALTIES (CONT)

03 TOILET PAPER DISPENSER (TPD); OFOI
04 COMBINATION PAPER TOWEL DISPENSER-RECEPTACLE (PTD-1)
05 COMBINATION PAPER TOWEL DISPENSER-RECEPTACLE (PTD-2)
06 NAPKIN DISPENSER (NV-1)
07 RECESSED NAPKIN DISPOSAL (ND-1)
08 PARTITION MOUNTED NAPKIN DISPOSAL (ND-2)
09 SOAP DISPENSER (SD-1); OFOI
10 GRAB BAR (GB)
11 ADA MIRROR (MIR-1)
12 MIRROR (MIR-2)

10 - SPECIALTIES (CONT)

13 WALL SHELF (WS-1)
14 FIRE EXTINGUISHER
15 FULLY RECESSED MOTORIZED PROJECTION SCREEN
16 PROJECTOR, OFCI
17 WALL GUARDS

12 - FURNISHINGS

01 ACOUSTIC WALL PANEL (AWT-1)
02 MARKER BOARD (MB-1)

14 - CONVEYING SYSTEMS

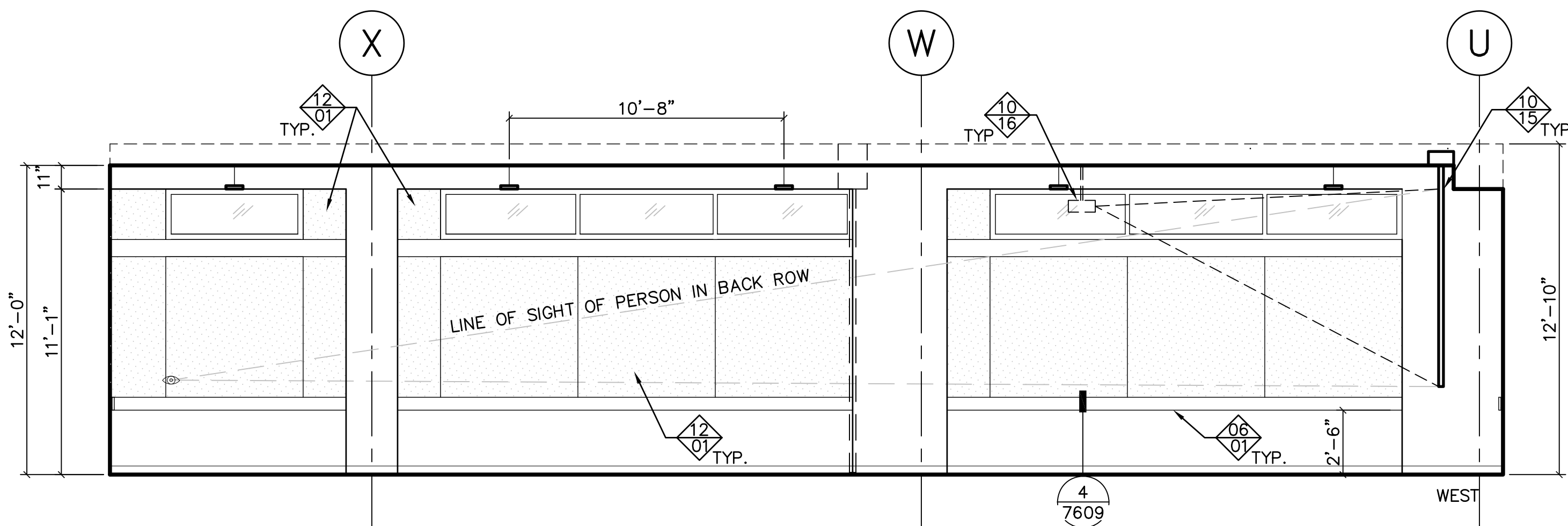
01 ELEVATOR CONTROL PANEL

15 - MECHANICAL (CONT)

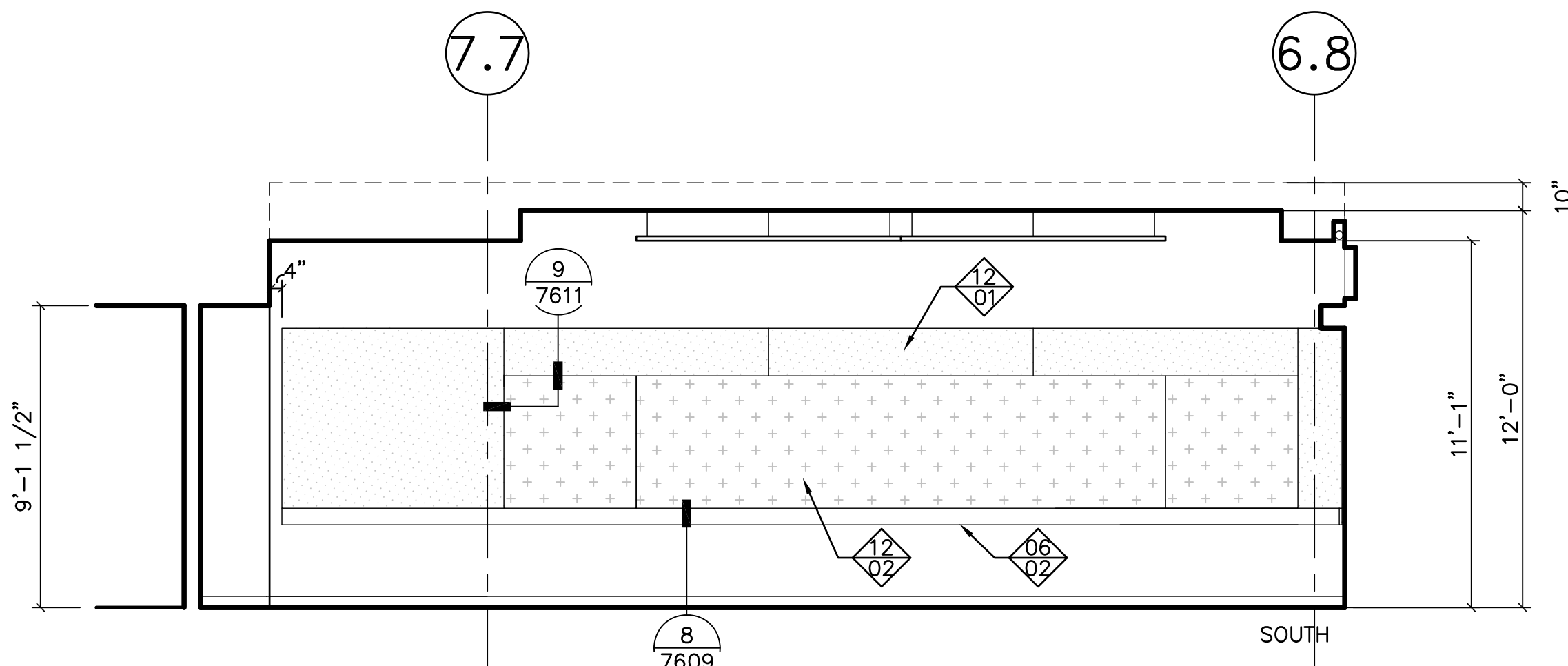
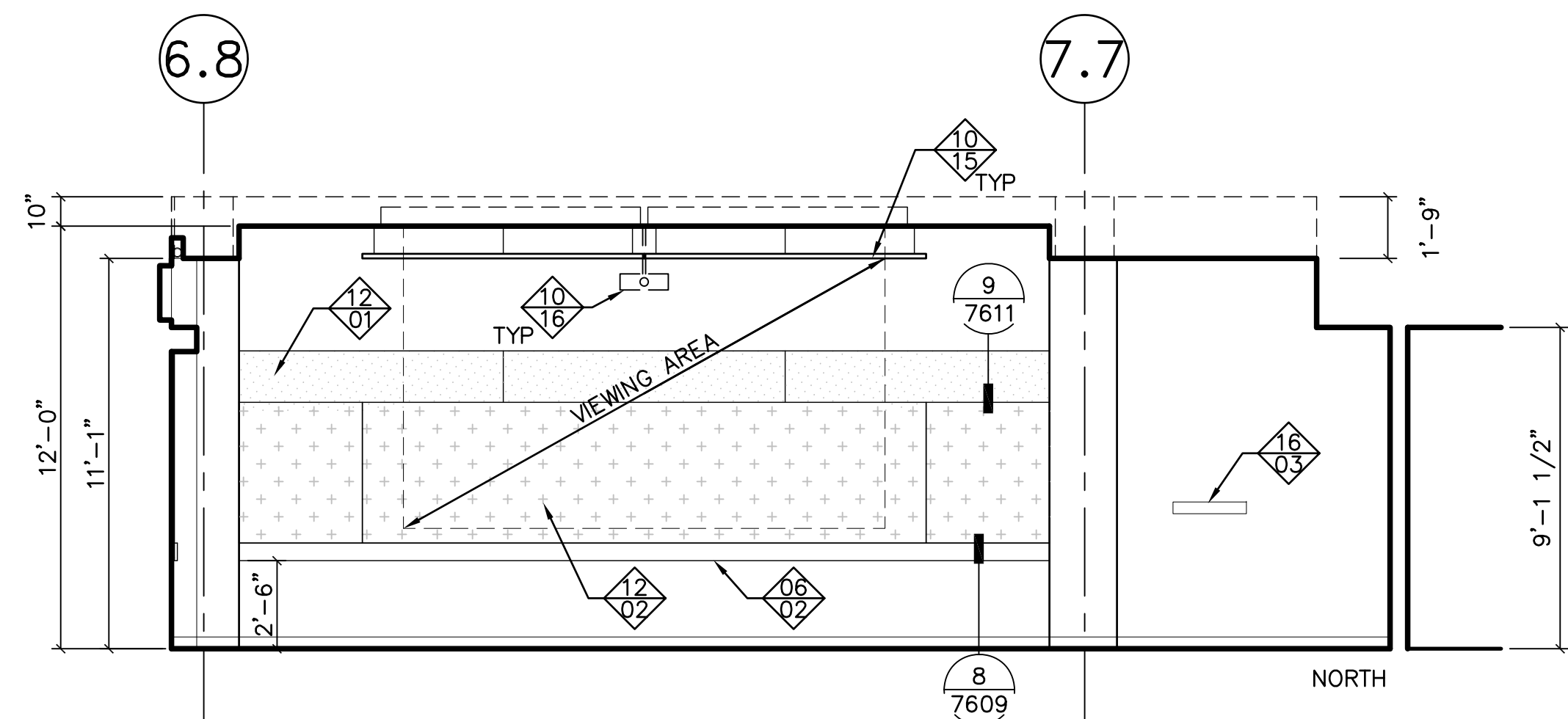
01 LAVATORY
02 DRINKING FOUNTAIN
03 CONTINUOUS LINEAR DIFFUSER
04 FCU; SEE MECHANICAL

16 - ELECTRICAL

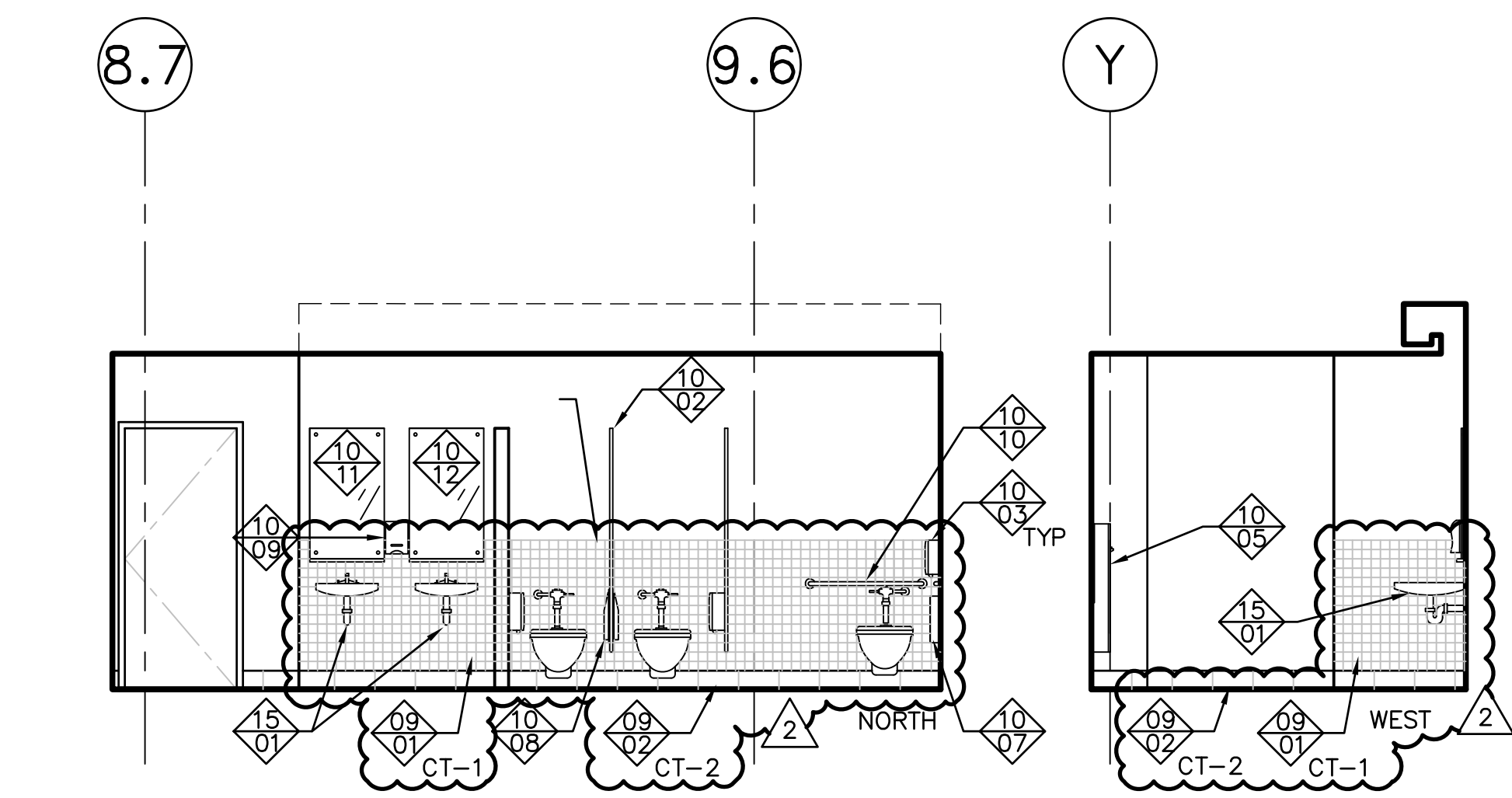
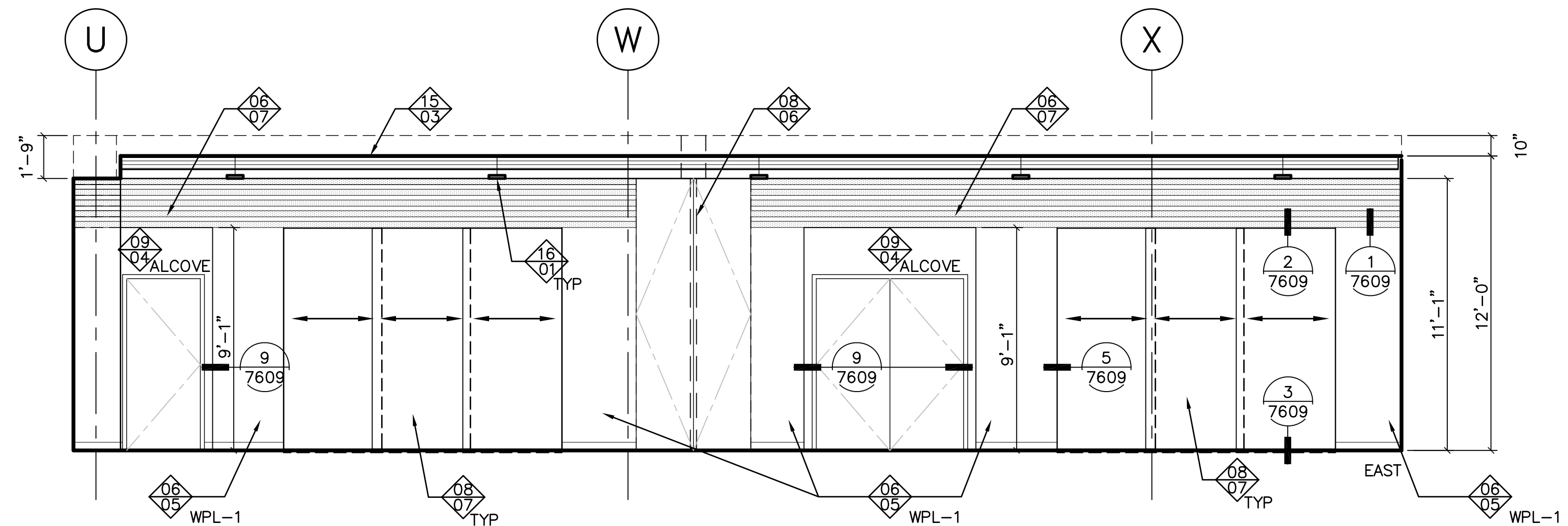
01 LUMINAIRE
02 ELECTRICAL DEVICE, COORDINATE HOLE IN WALL PANEL
03 ELECTRICAL DEVICE
04 ELECTRICAL PANEL
05 ANNUNCIATOR PANEL



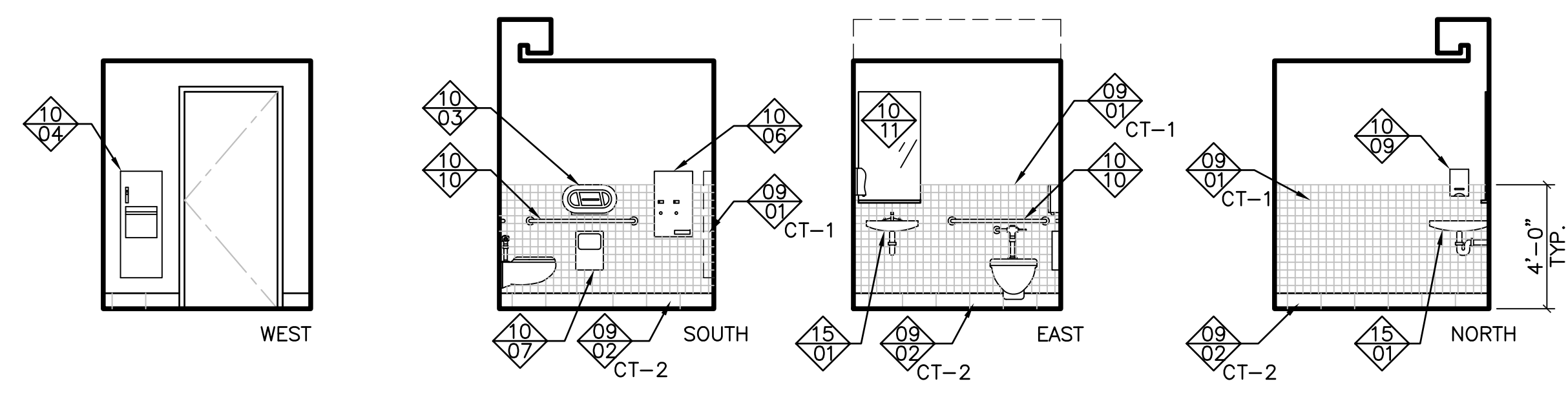
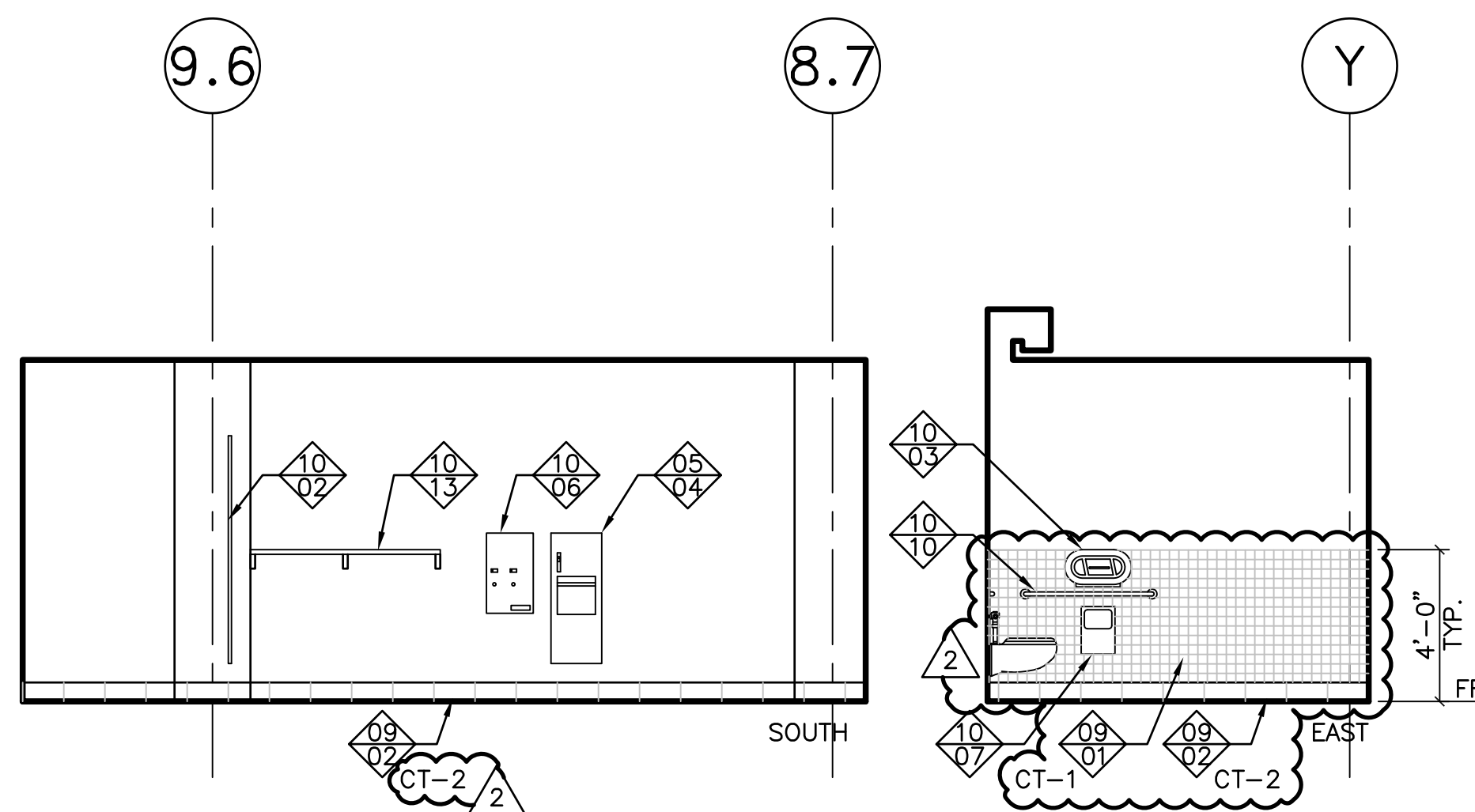
1 SEMINAR ROOM - 12'-0" CEILING HEIGHT
1/4" = 1'-0"



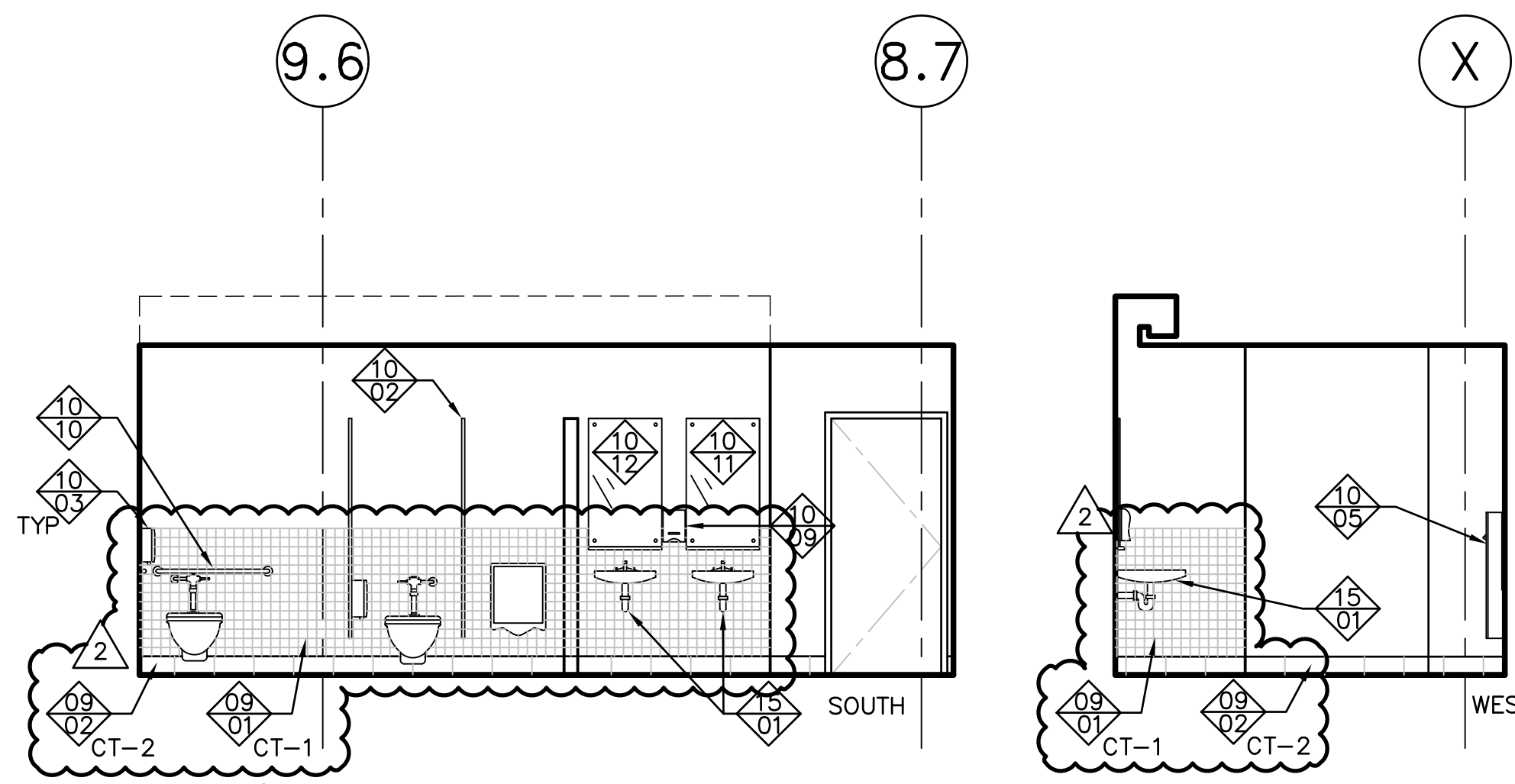
2 SEMINAR ROOM - 12'-0" CEILING HEIGHT
1/4" = 1'-0"



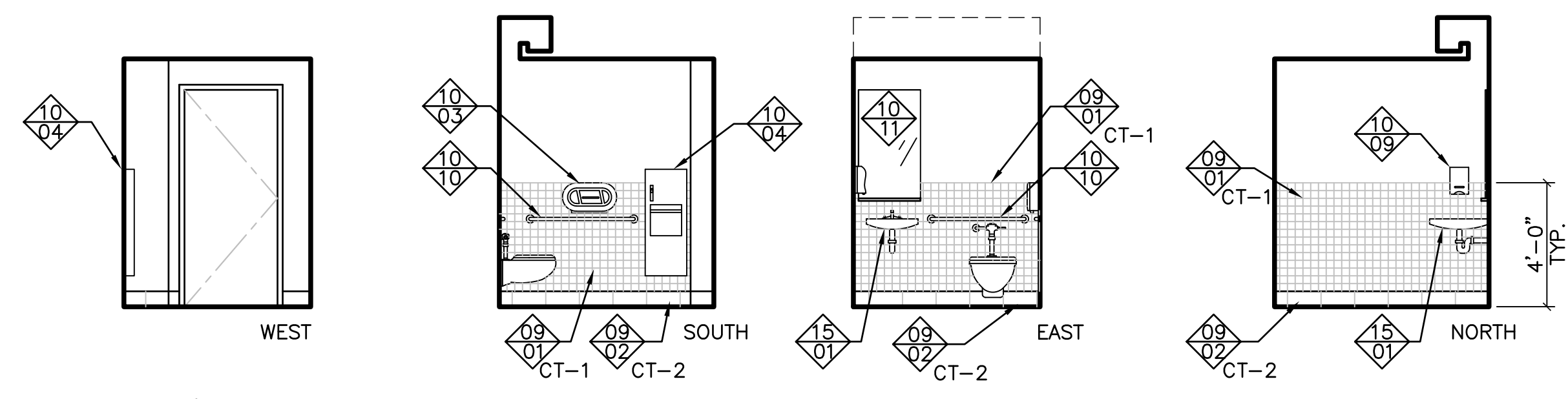
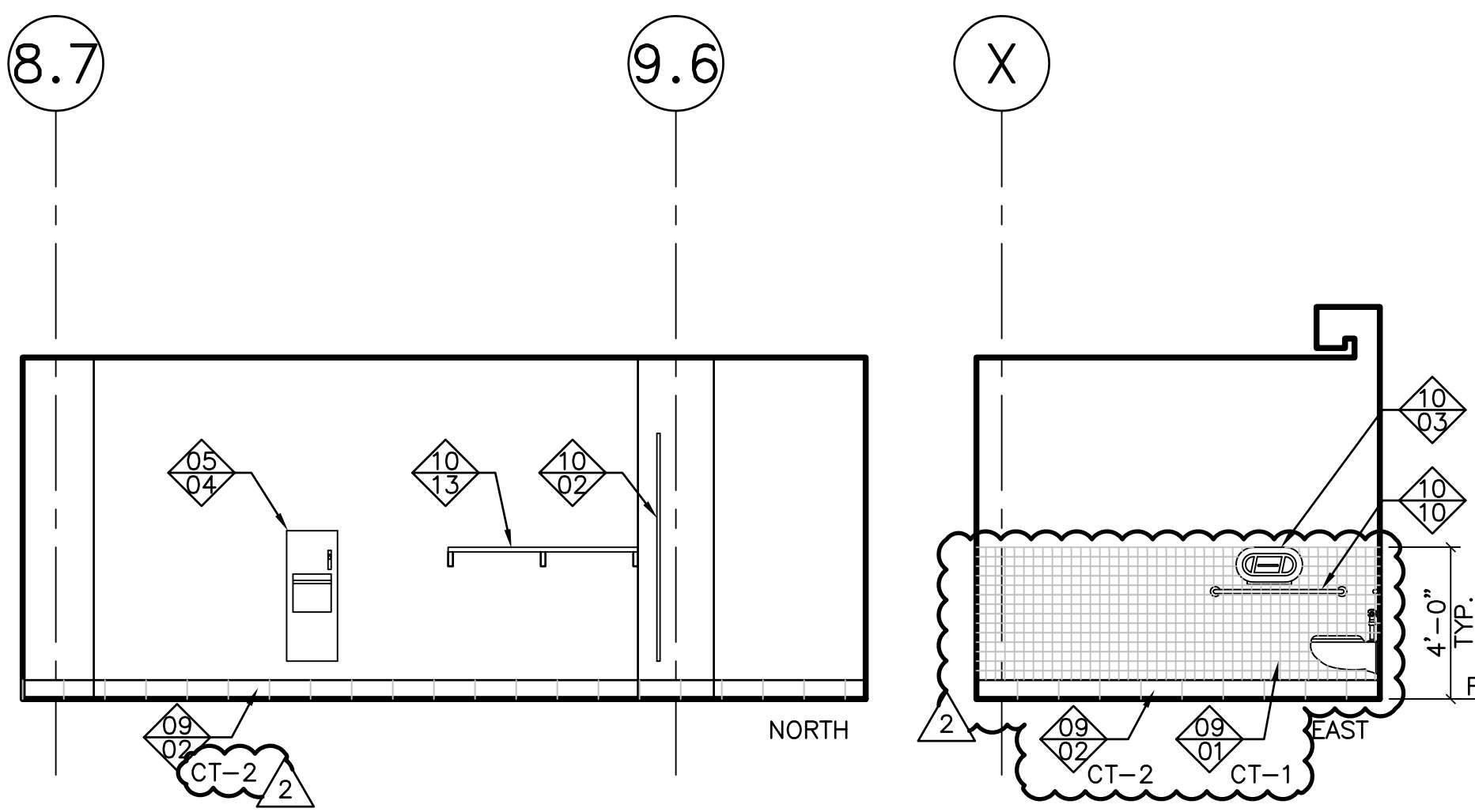
4 WOMEN'S RESTROOM
1/4" = 1'-0"



3 WOMEN'S ROOM
1/4" = 1'-0"



6 MEN'S RESTROOM
1/4" = 1'-0"



5 MEN'S ROOM
1/4" = 1'-0"

SCALE: 1/4" INCH = 1 FOOT
12' 0" 1" 1/2" 1" 1/4" 1/2" 1/4" 1/8" 1/16"

GENERAL NOTES
1. SEE SHEET NVA-0001 FOR ADDITIONAL GENERAL NOTES AND LEGEND.

KEYNOTE TAG
XX-1
SPECIFICATION DIVISION NUMBER
KEYNOTE NUMBER
SPECIFICATION TAG

KEYED NOTES
03 - CONCRETE
01 CONCRETE W/ SMOOTH-RUBBED FINISH

04 - MASONRY
01 CAST STONE VENEER; 1/3 RUNNING BOND
02 CAST STONE HEAD SILL

06 - WOOD AND PLASTICS
01 WALL GUARD
02 MARKER TRAY
03 CASEWORK
04 4" BASEBOARD
05 WALL PANEL
06 WOOD BENCH
07 CONTINUOUS CUSTOM WALL PANEL SCREEN IN FRONT OF MECHANICAL RETURN

08 - DOORS AND WINDOWS
01 GLASS (G-4)
02 24"x24" FLUSH 2HR RATED ACCESS PANEL TO MATCH ADJACENT WALL FINISH
03 RECESSED 2HR RATED DOOR ON MAGNETIC HOLD OPEN
04 TRANSLUCENT GLAZING (G-7)
05 FUTURE 3'-0" X 7'-0" DOOR
06 MOVEABLE PARTITION WALL POCKET DOOR W/WPL-1
07 CLOSET DOOR PANEL WPL-1
08 ALUMINUM CLOSURE PANEL. MATCH COLOR AND FINISH OF GAF.

09 - FINISHES (CONT)
01 WALL TILE
02 BASE TILE
03 NOT USED
04 PAINTED GWB PANEL
05 PAINTED PLASTER
06 GLASS TILE: (ALTERNATE TILES TYP. GT-1, GT-2, GT-3, GT-4)
07 BULLNOSE TILE

10 - SPECIALTIES
01 ROBE HOOK
02 TOILET PARTITION

10 - SPECIALTIES (CONT)
03 TOILET PAPER DISPENSER (TPD); OFOI
04 COMBINATION PAPER TOWEL DISPENSER-RECEPTACLE (PTD-1)
05 COMBINATION PAPER TOWEL DISPENSER-RECEPTACLE (PTD-2)
06 NAPKIN DISPENSER (NV-1)
07 RECESSED NAPKIN DISPOSAL (ND-1)
08 PARTITION MOUNTED NAPKIN DISPOSAL (ND-2)
09 SOAP DISPENSER (SD-1); OFOI
10 GRAB BAR (GB)
11 ADA MIRROR (MIR-1)
12 MIRROR (MIR-2)

10 - SPECIALTIES (CONT)
13 WALL SHELF (WS-1)
14 FIRE EXTINGUISHER
15 FULLY RECESSED MOTORIZED PROJECTION SCREEN
16 PROJECTOR, OFCI
17 WALL GUARDS
12 - FURNISHINGS
01 ACOUSTIC WALL PANEL (AWT-1)
02 MARKER BOARD (MB-1)
14 - CONVEYING SYSTEMS
01 ELEVATOR CONTROL PANEL

15 - MECHANICAL (CONT)
01 LAVATORY
02 DRINKING FOUNTAIN
03 CONTINUOUS LINEAR DIFFUSER
04 FCU; SEE MECHANICAL
16 - ELECTRICAL
01 LUMINAIRE
02 ELECTRICAL DEVICE. COORDINATE HOLE IN WALL PANEL
03 ELECTRICAL DEVICE
04 ELECTRICAL PANEL
05 ANNUNCIATOR PANEL

DESIGNED BY:

DRAWN BY:

CHECKED BY:

DATE:

MAY 26, 2011

PROJECT NO.:

102002

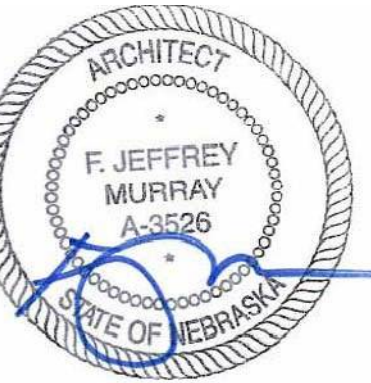
SHEET TITLE:

ARCHITECTURAL
INTERIOR
ELEVATIONS

SHEET NO.

NVA-7503

IDC ARCHITECTS
2020 SW 4th Ave., Third Floor
Portland, Oregon 97201
Phone: 503.222.1100
Fax: 503.222.1101
www.idcarchitects.com
IDCA PROJ # 402195



COPYRIGHT: This document and the information contained herein may not be reproduced or excerpted without the written permission of IDC ARCHITECTS, INC. Unlawful copying, disclosure or construction use are prohibited by law. Copyright 2011.

REVISIONS
ADD 1 11-21-2011
ADD 3 03-30-2012

KEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION
University of Nebraska
Lincoln

17 NOT USED
1 1/2" = 1'-0"

18 WOOD CURB @ AIR INTAKE OPENING
1 1/2" = 1'-0"

19 NOT USED
3" = 1'-0"

20 NOT USED
1 1/2" = 1'-0"

13 ROOF ASSEMBLY TYPE A
3" = 1'-0"

14 ROOF ASSEMBLY TYPE B
3" = 1'-0"

15 ROOF ASSEMBLY TYPE C
3" = 1'-0"

16 VAPOR RETARDER @ CONC SLAB
3" = 1'-0"

9 ALUMMINUM COMPOSITE PANEL (ACP)
3" = 1'-0"

10 ACP JOINTS
6" = 1'-0"

11 STRUCTURAL SILICONE GLAZING (SSG)
6" = 1'-0"

12 GLAZING: SPANDREL
3" = 1'-0"

5 CMU VENEER / CMU BACKUP
3" = 1'-0"

6 MASONRY CONTROL JOINT
6" = 1'-0"

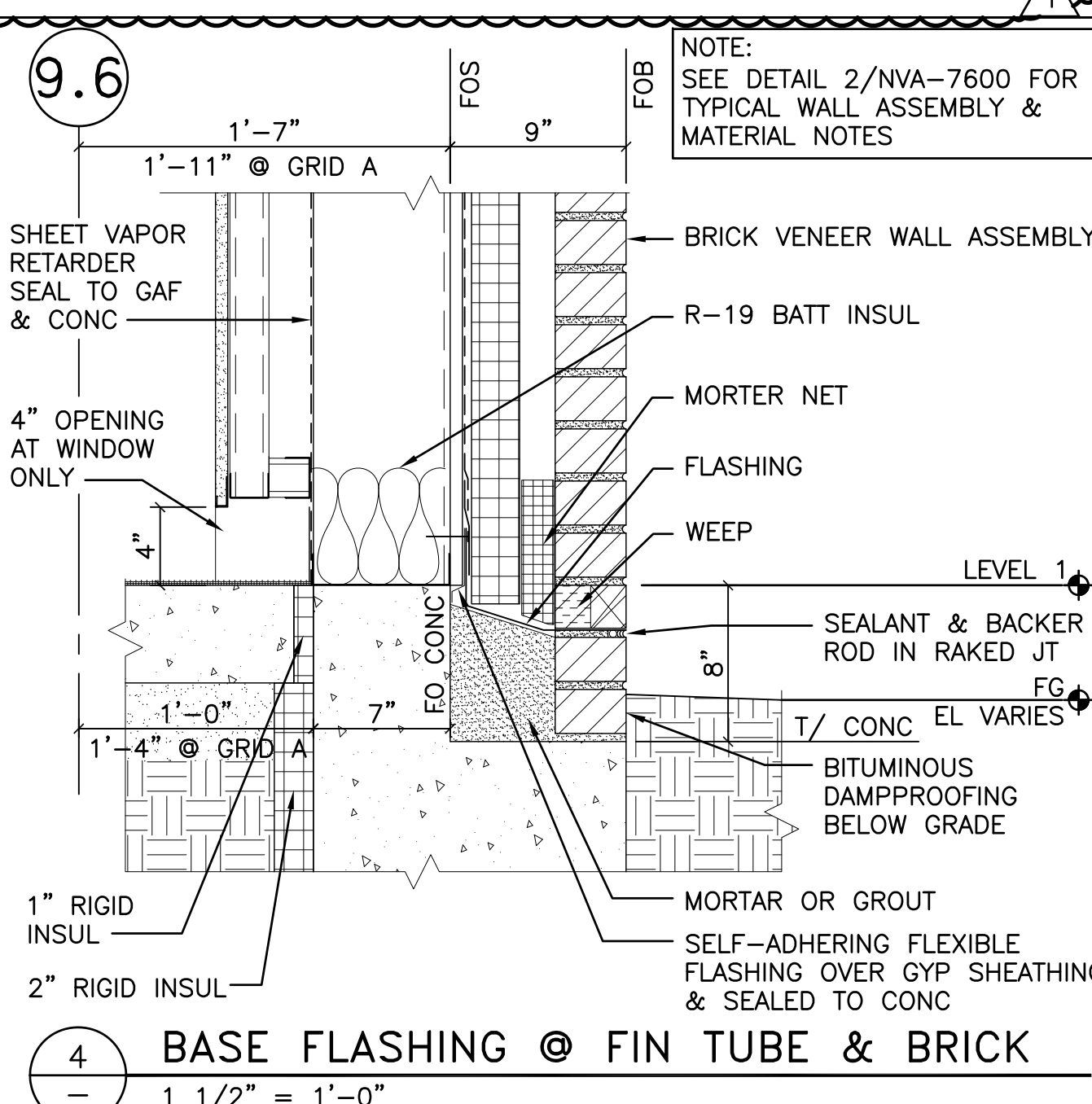
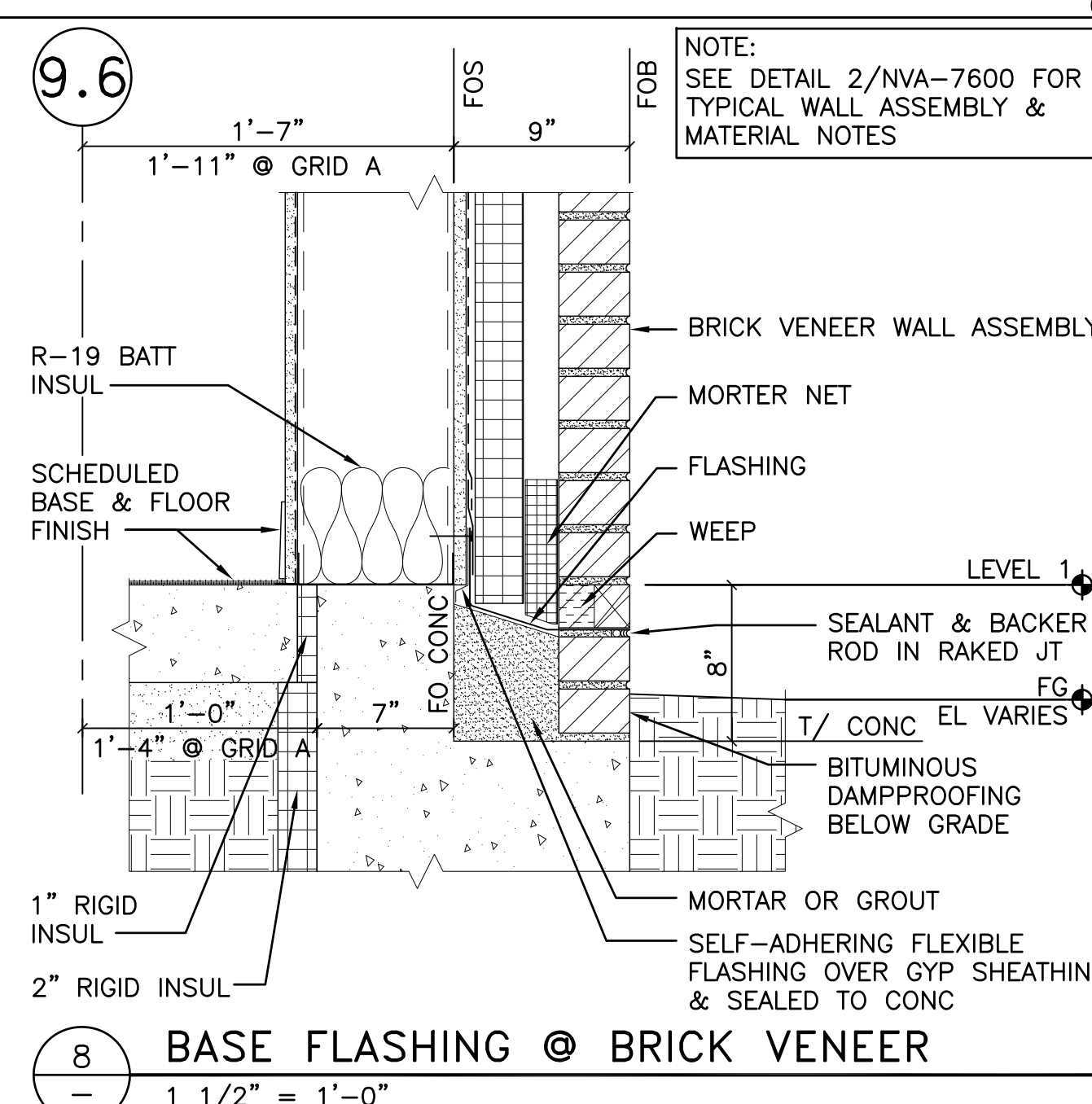
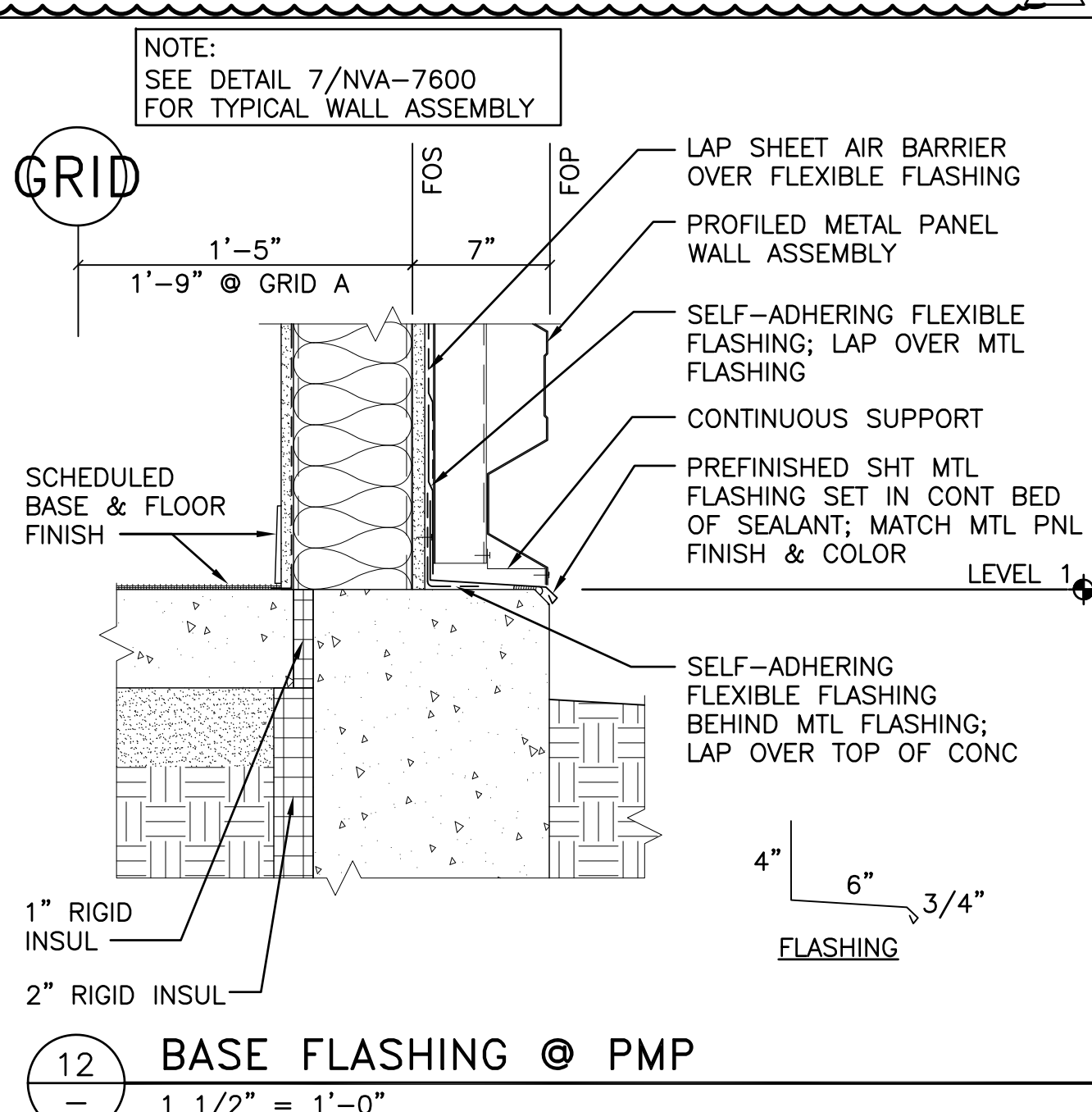
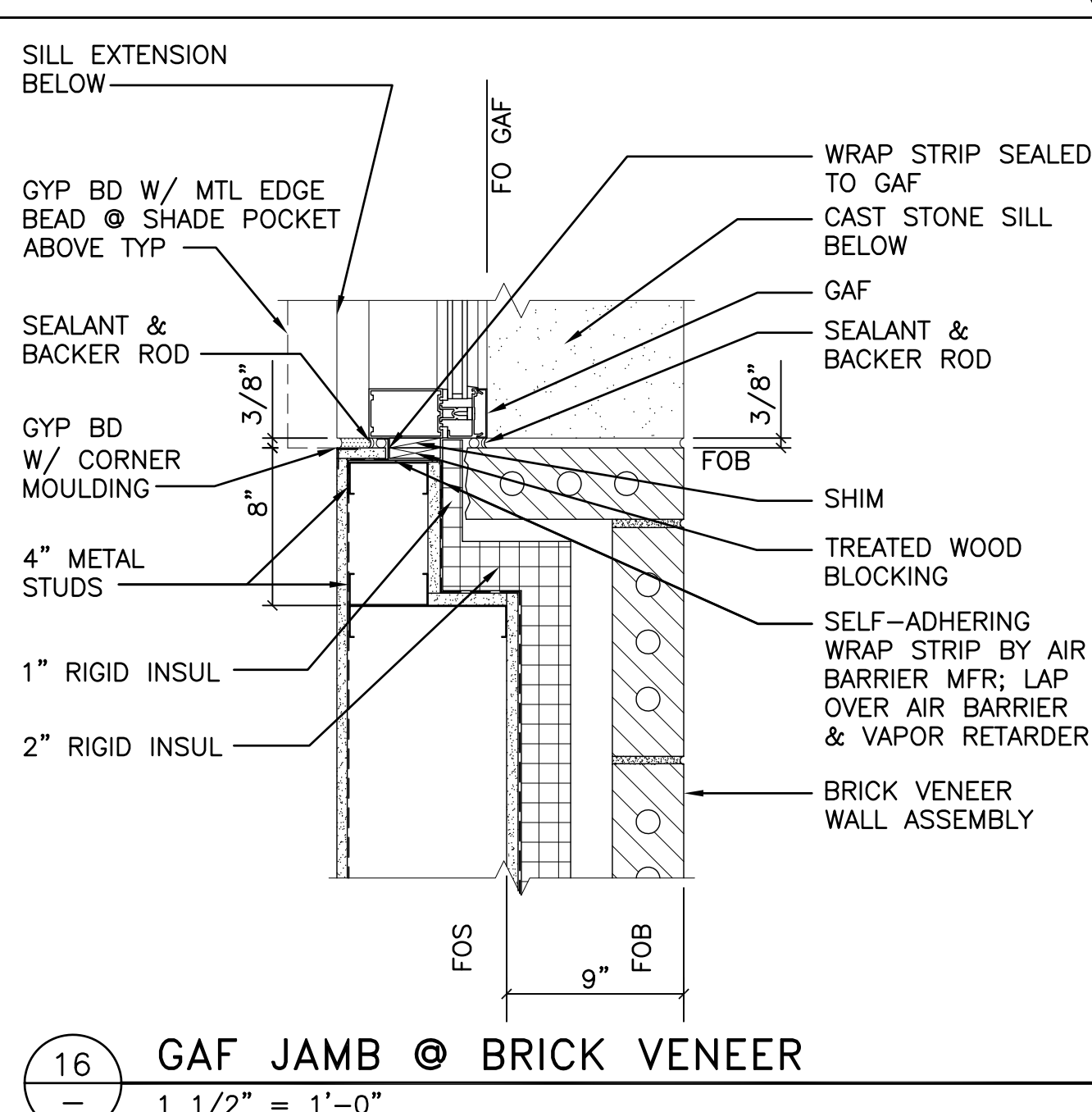
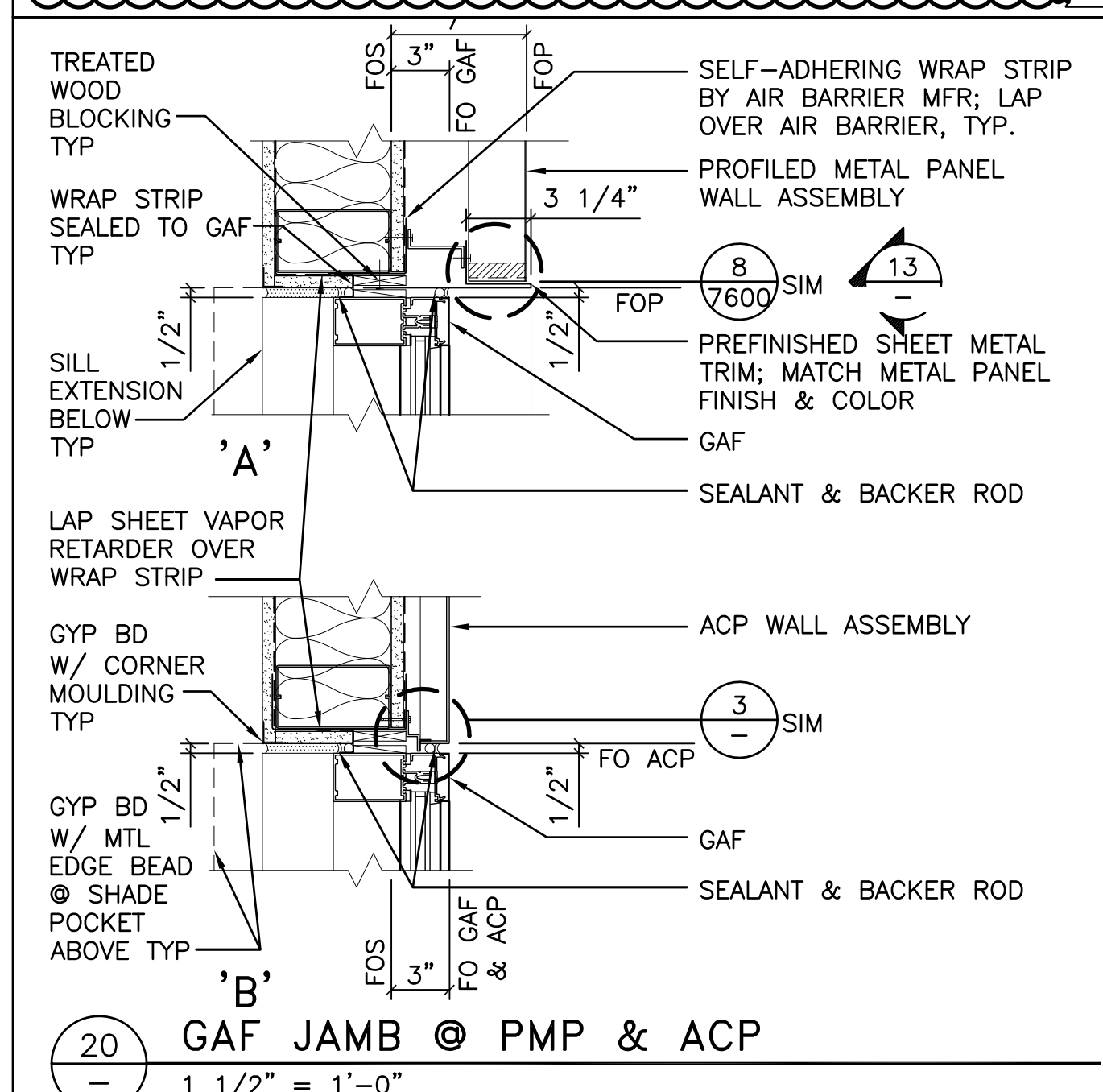
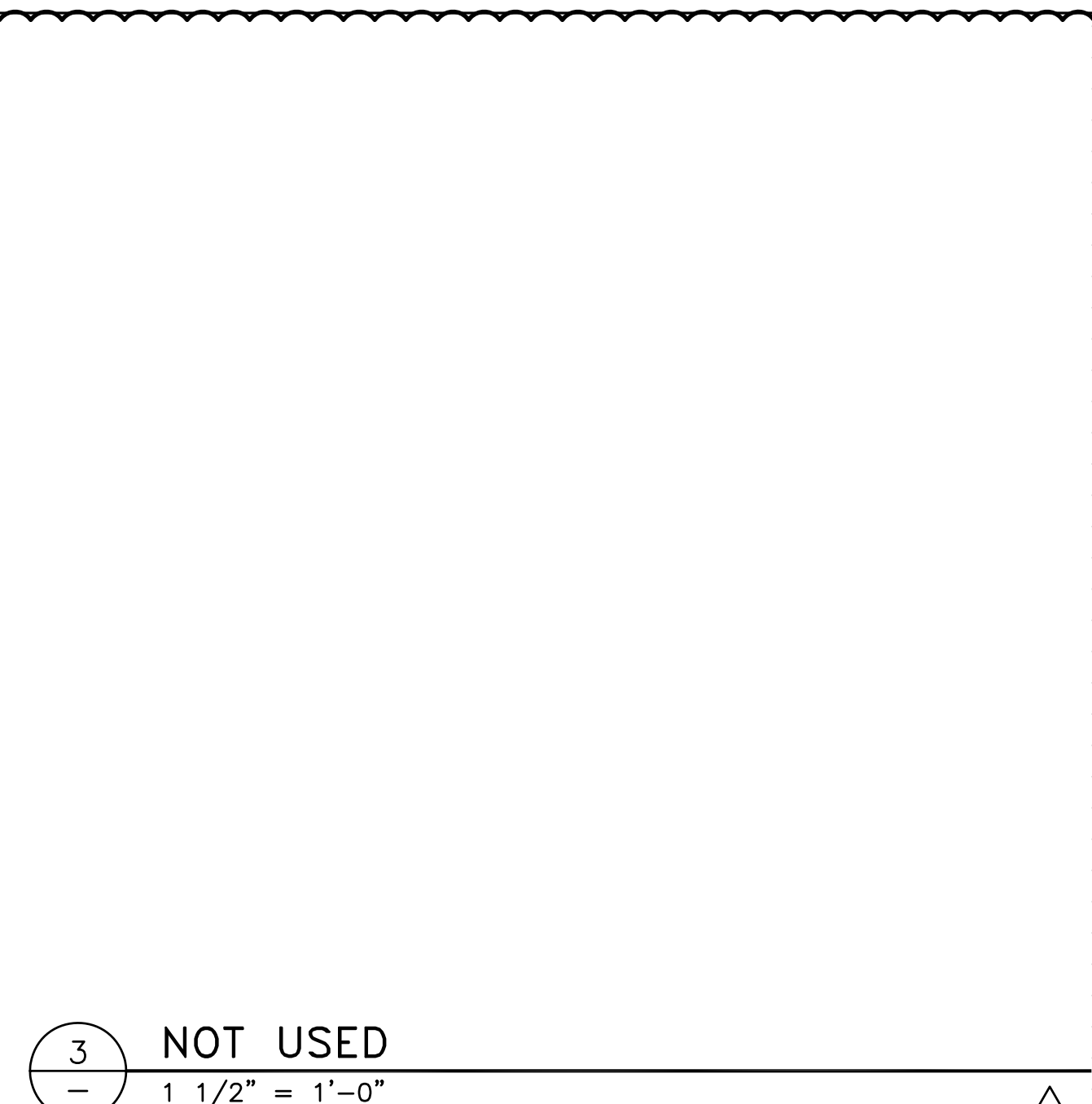
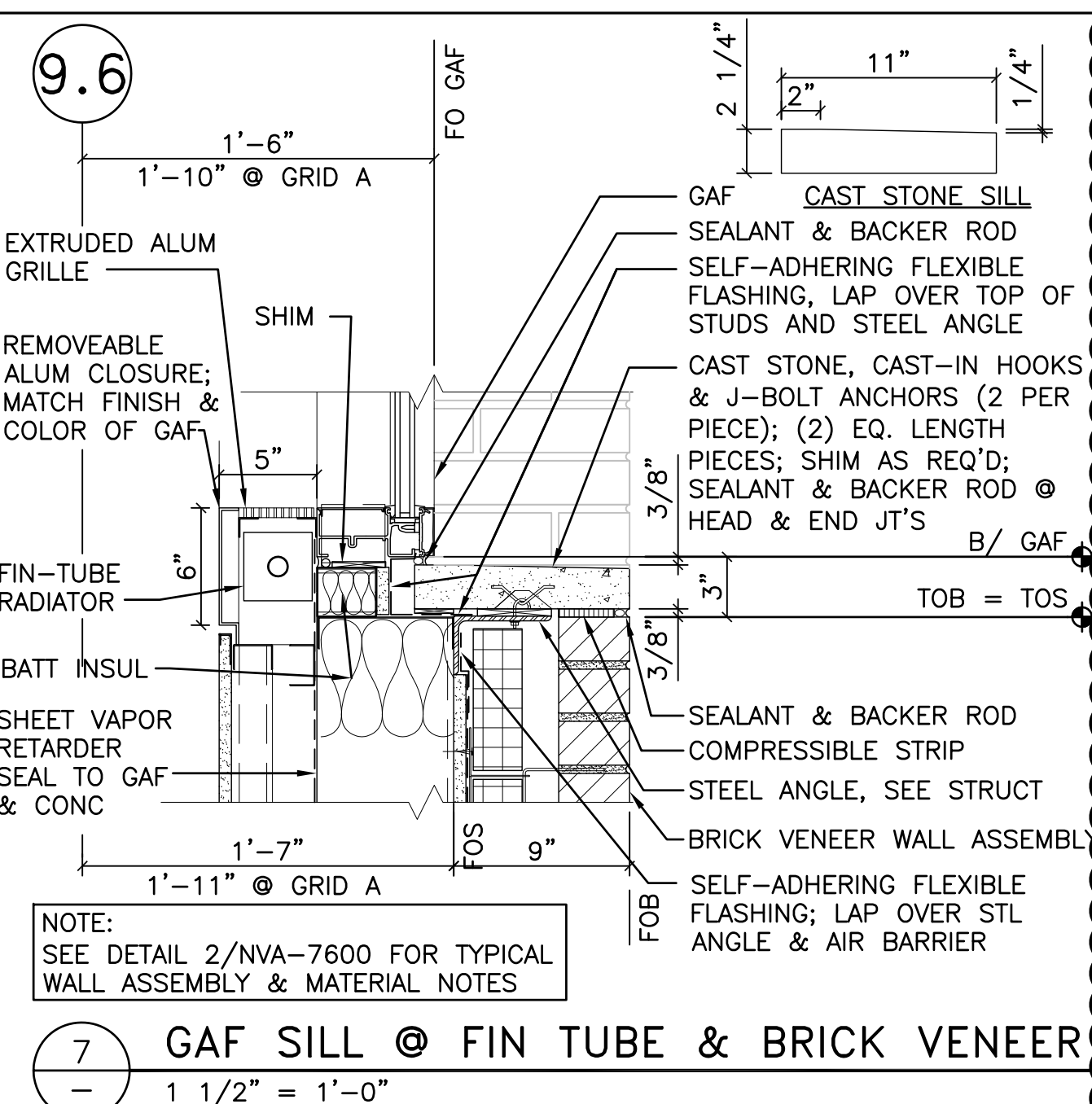
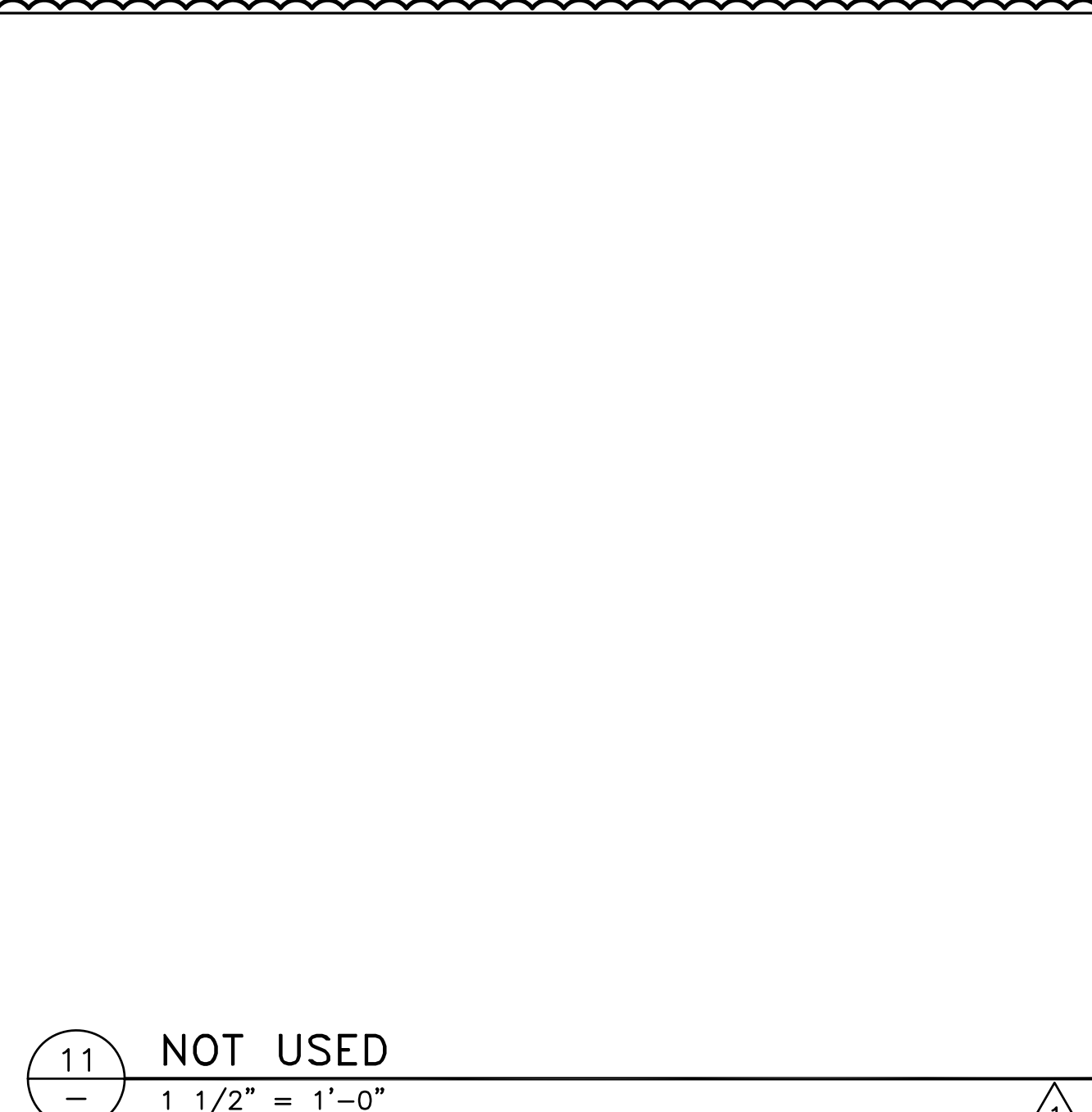
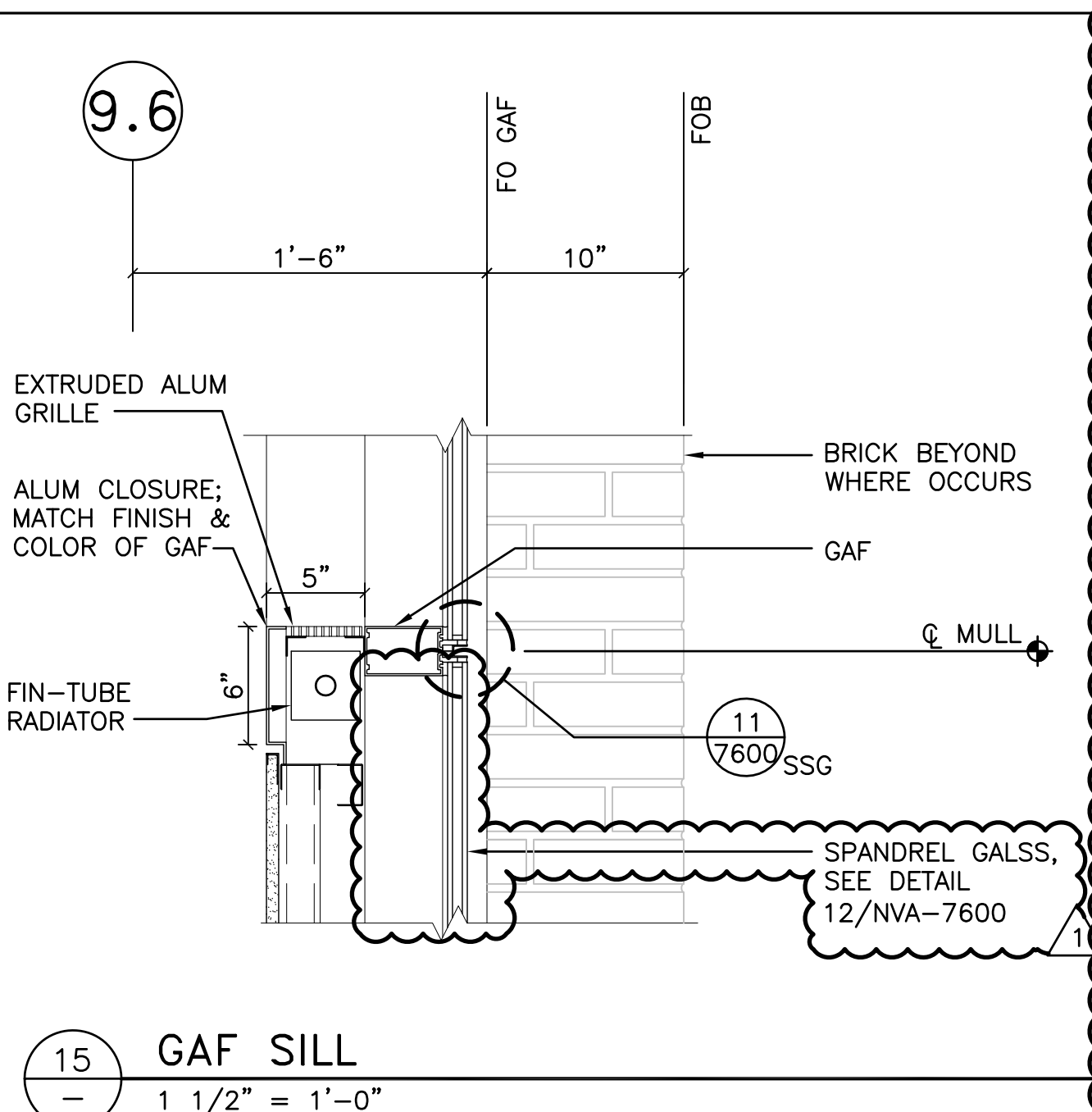
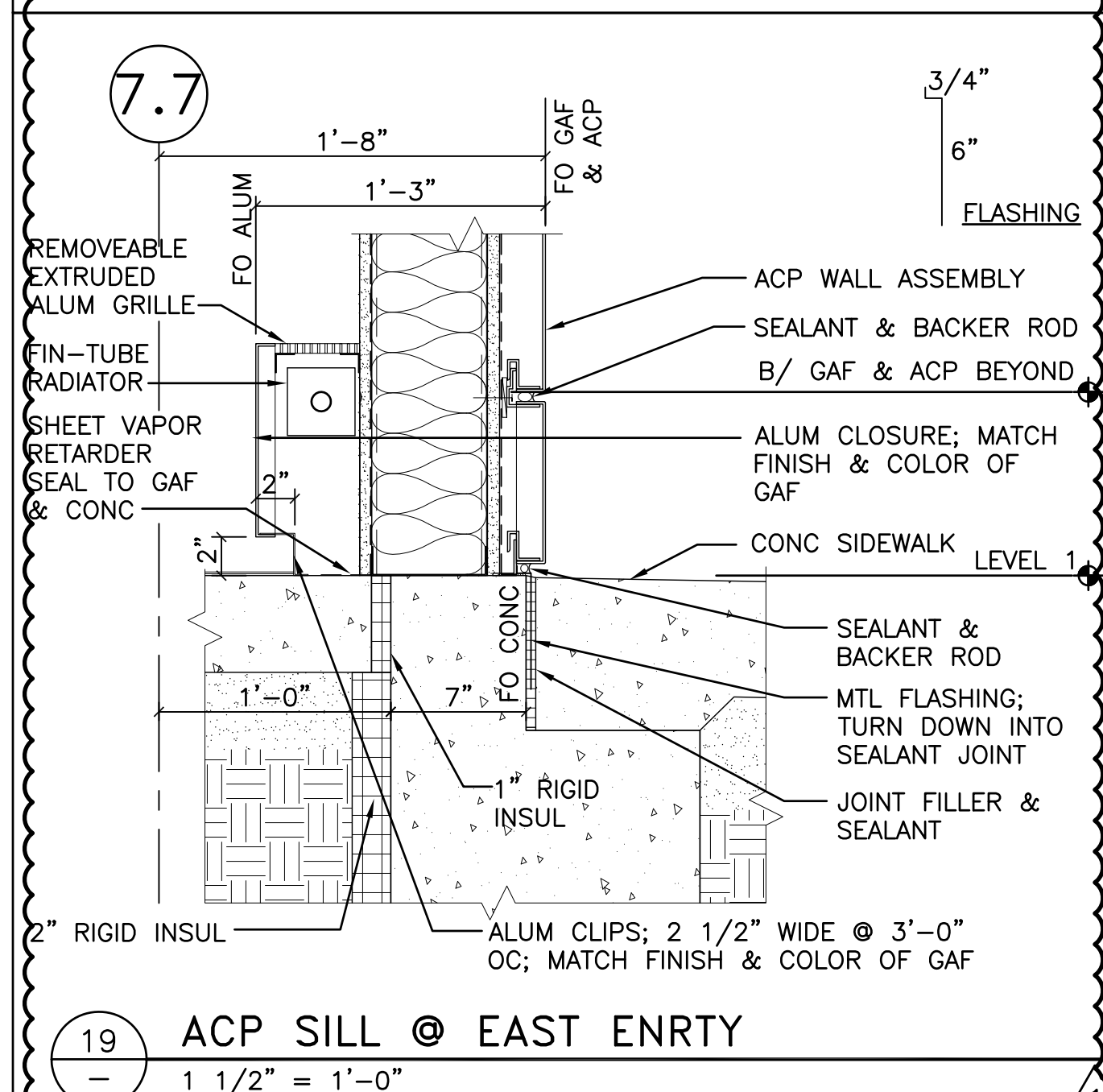
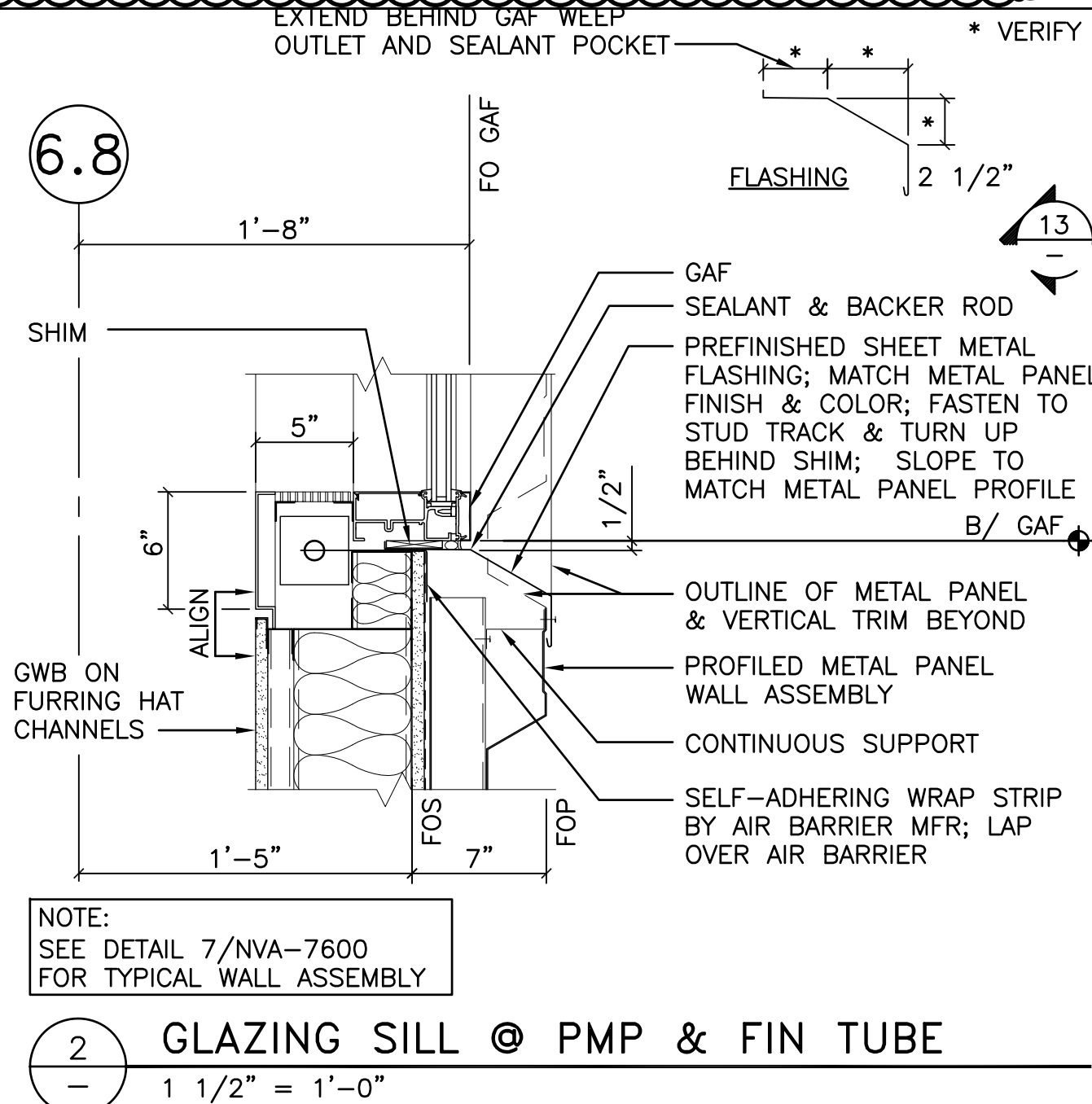
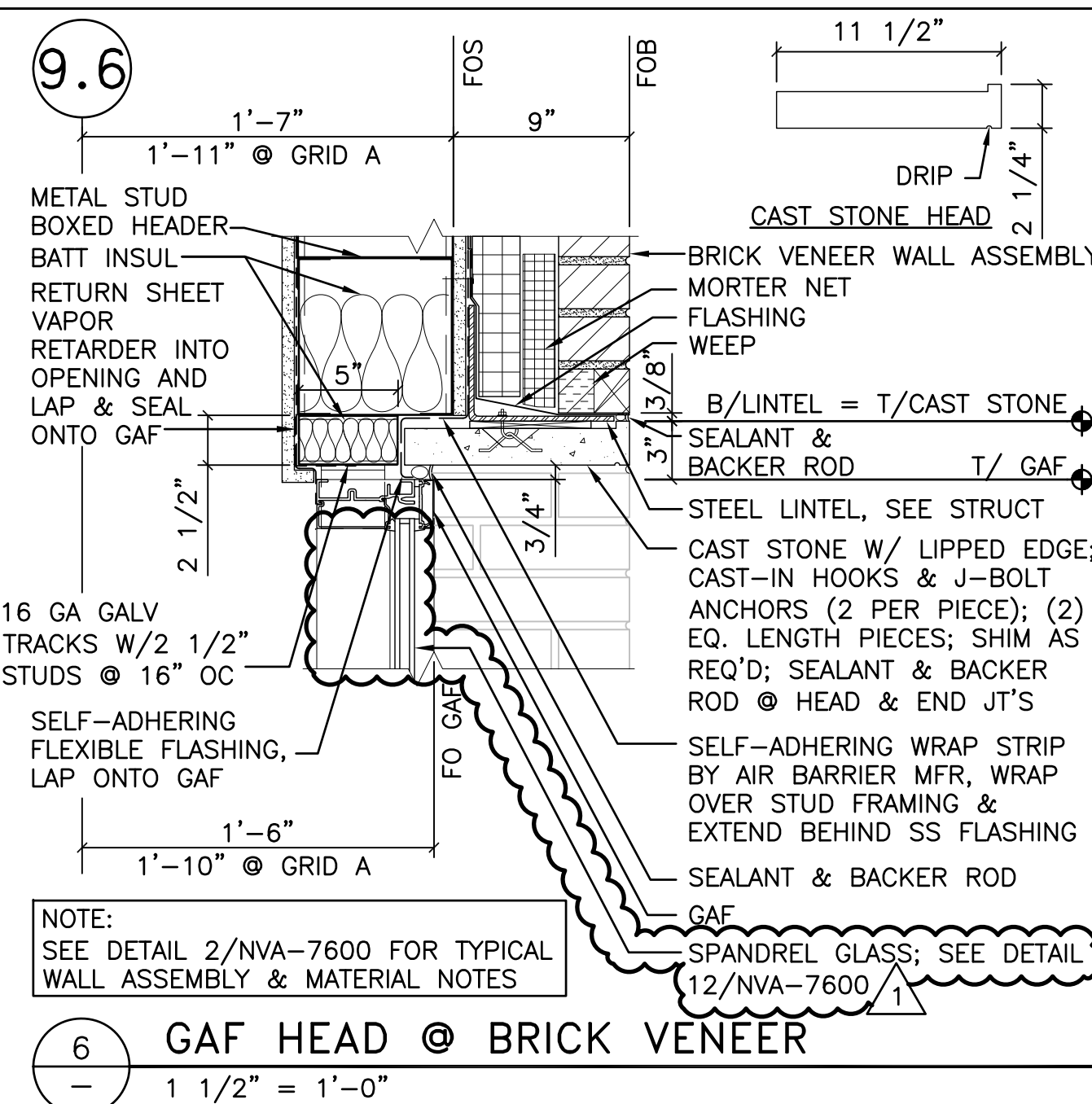
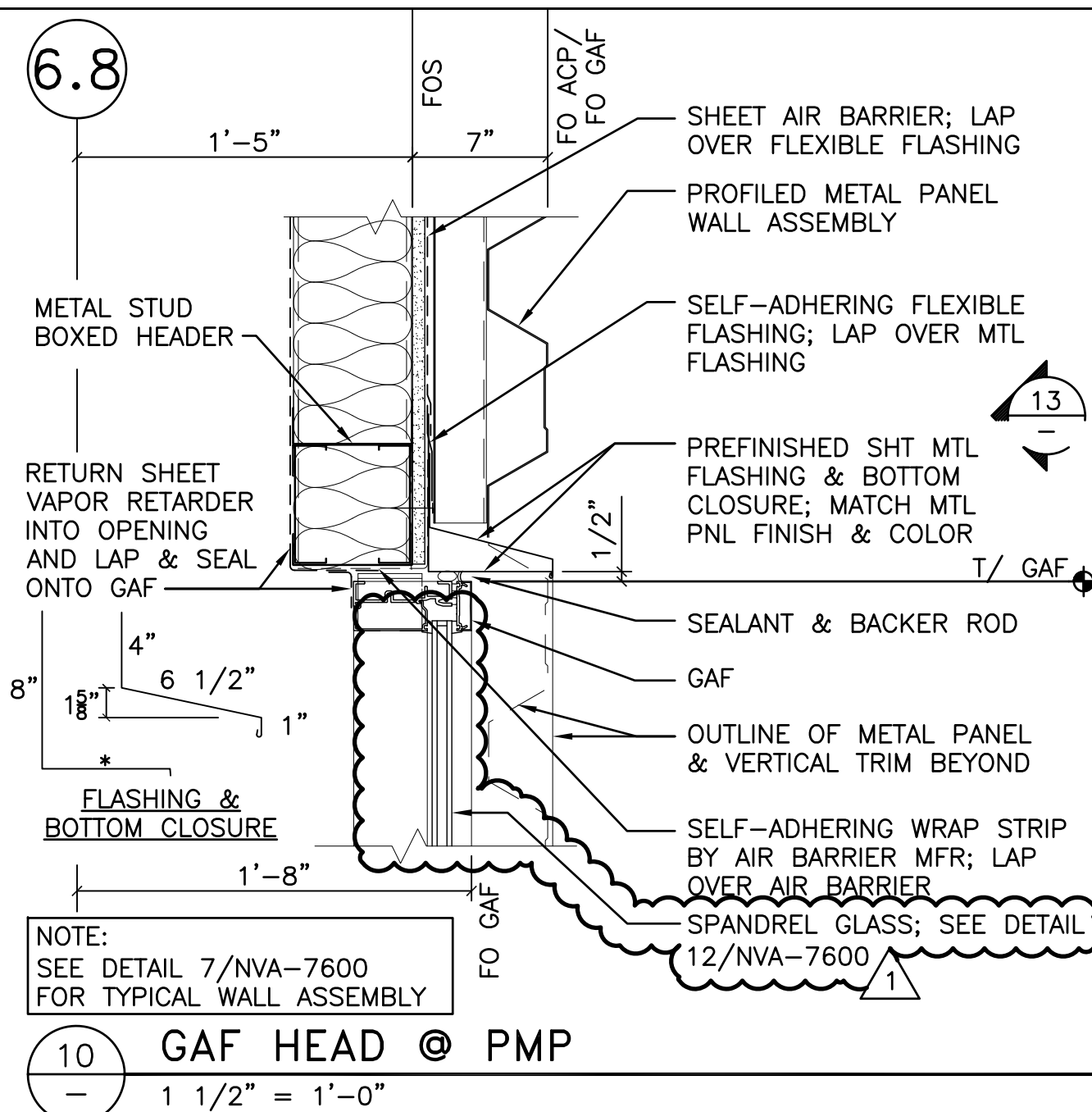
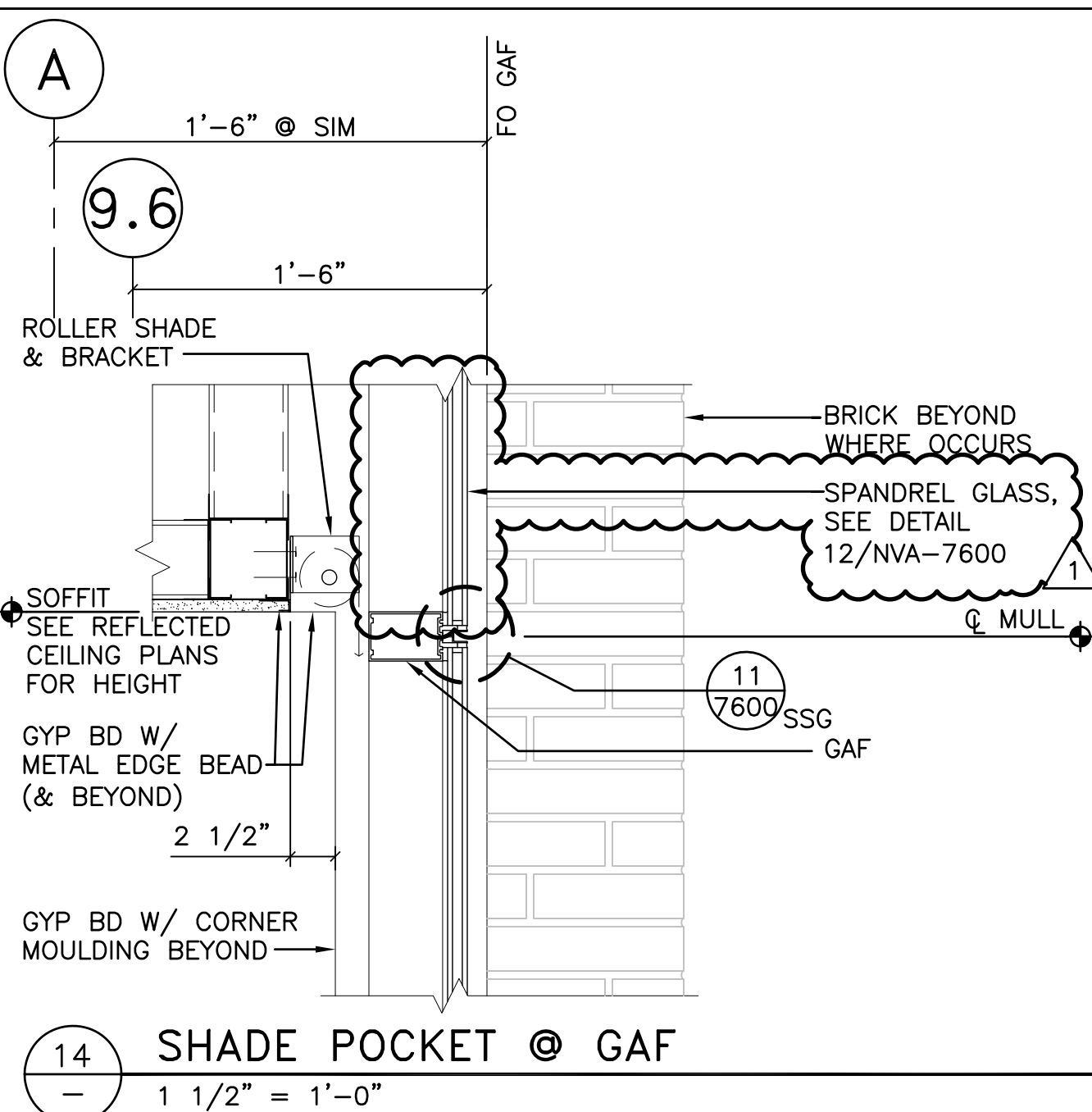
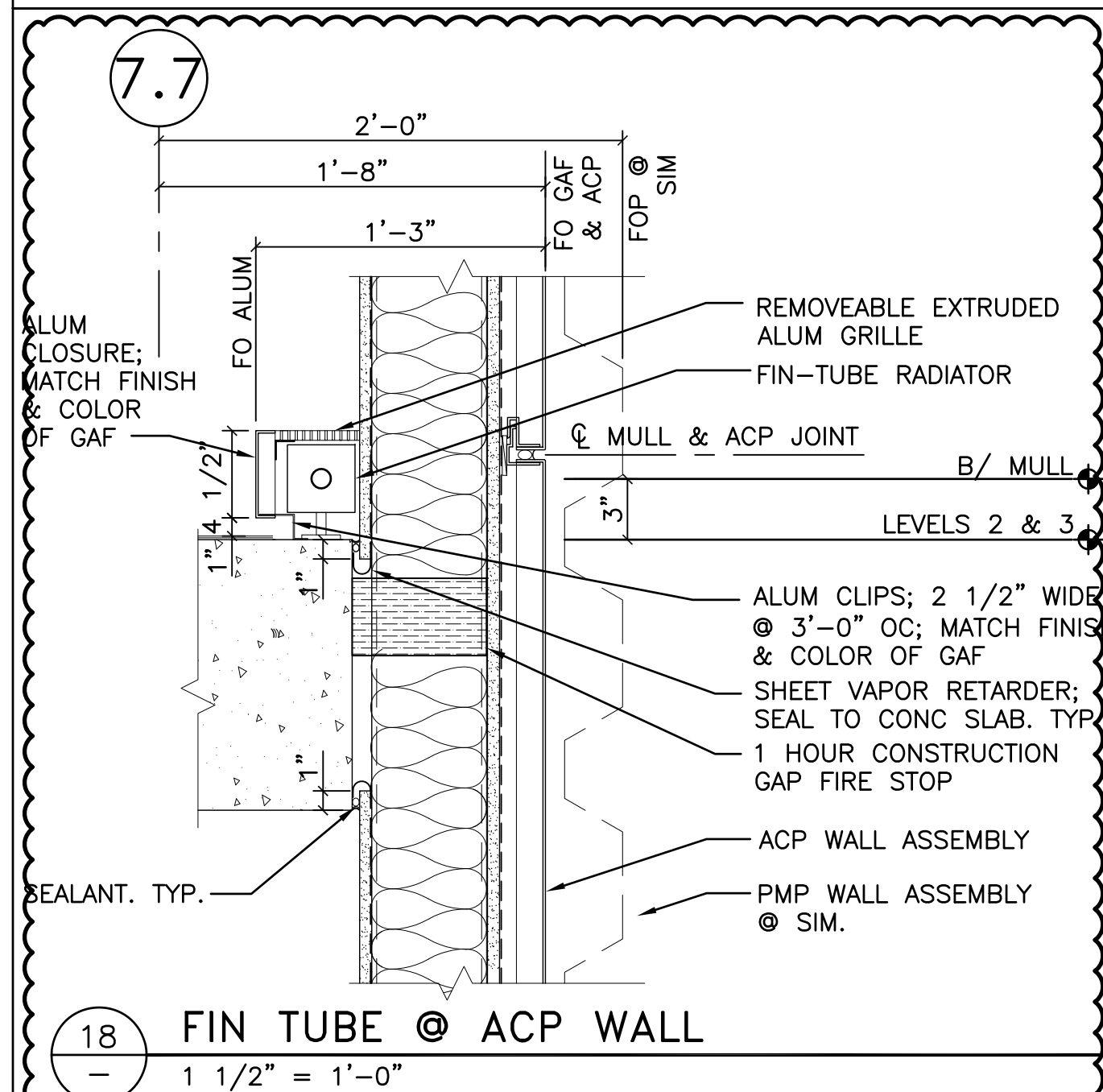
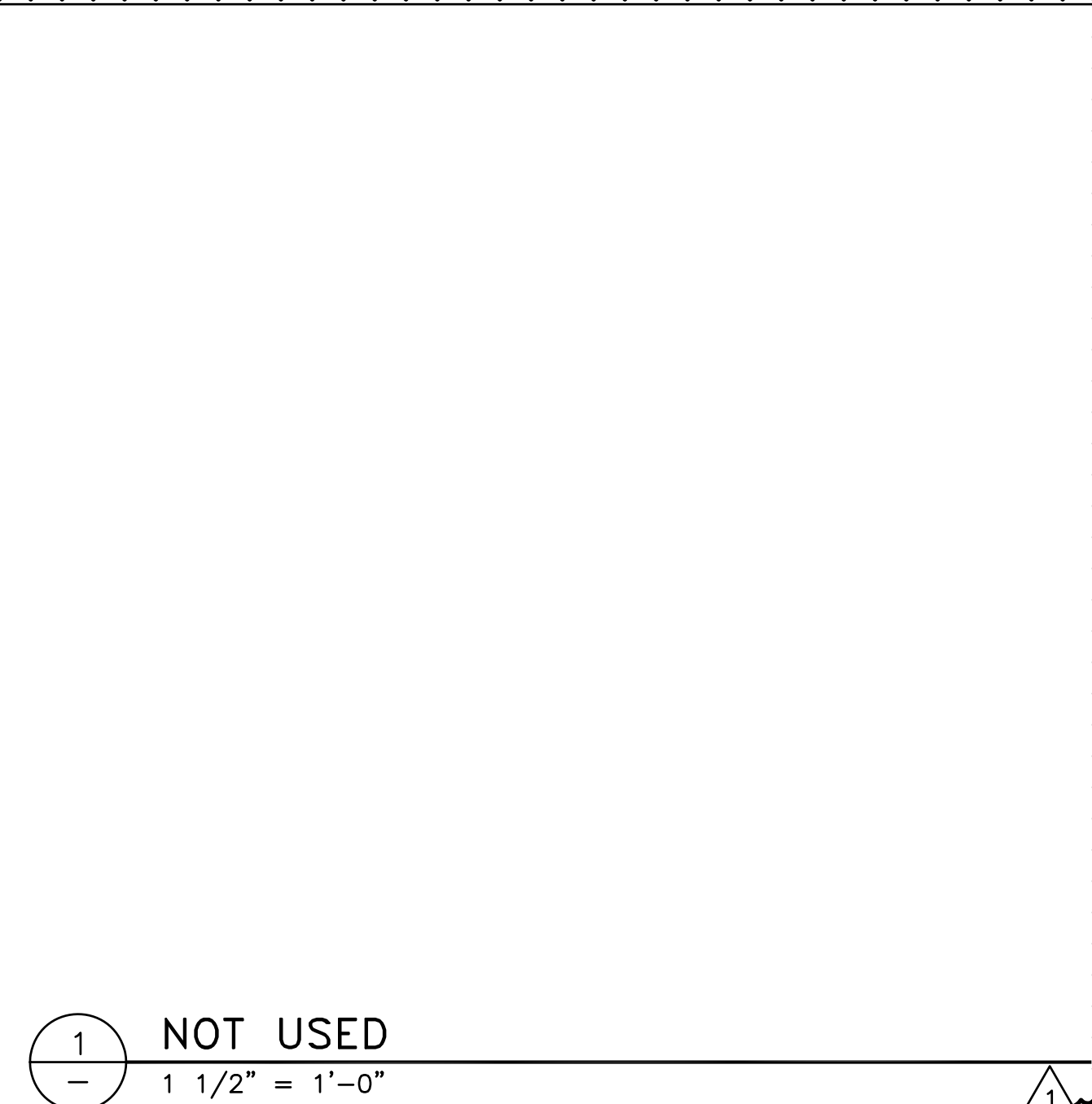
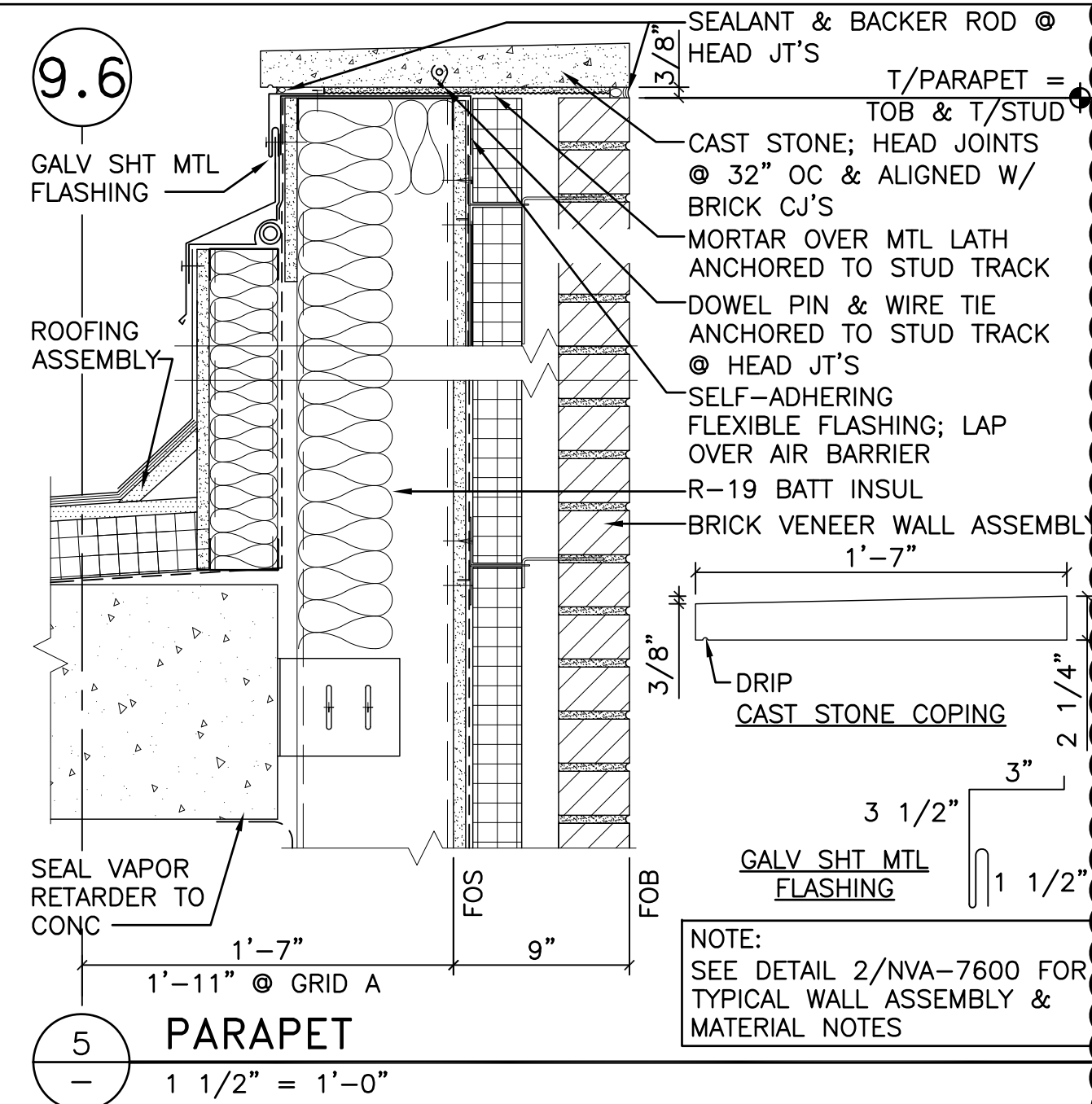
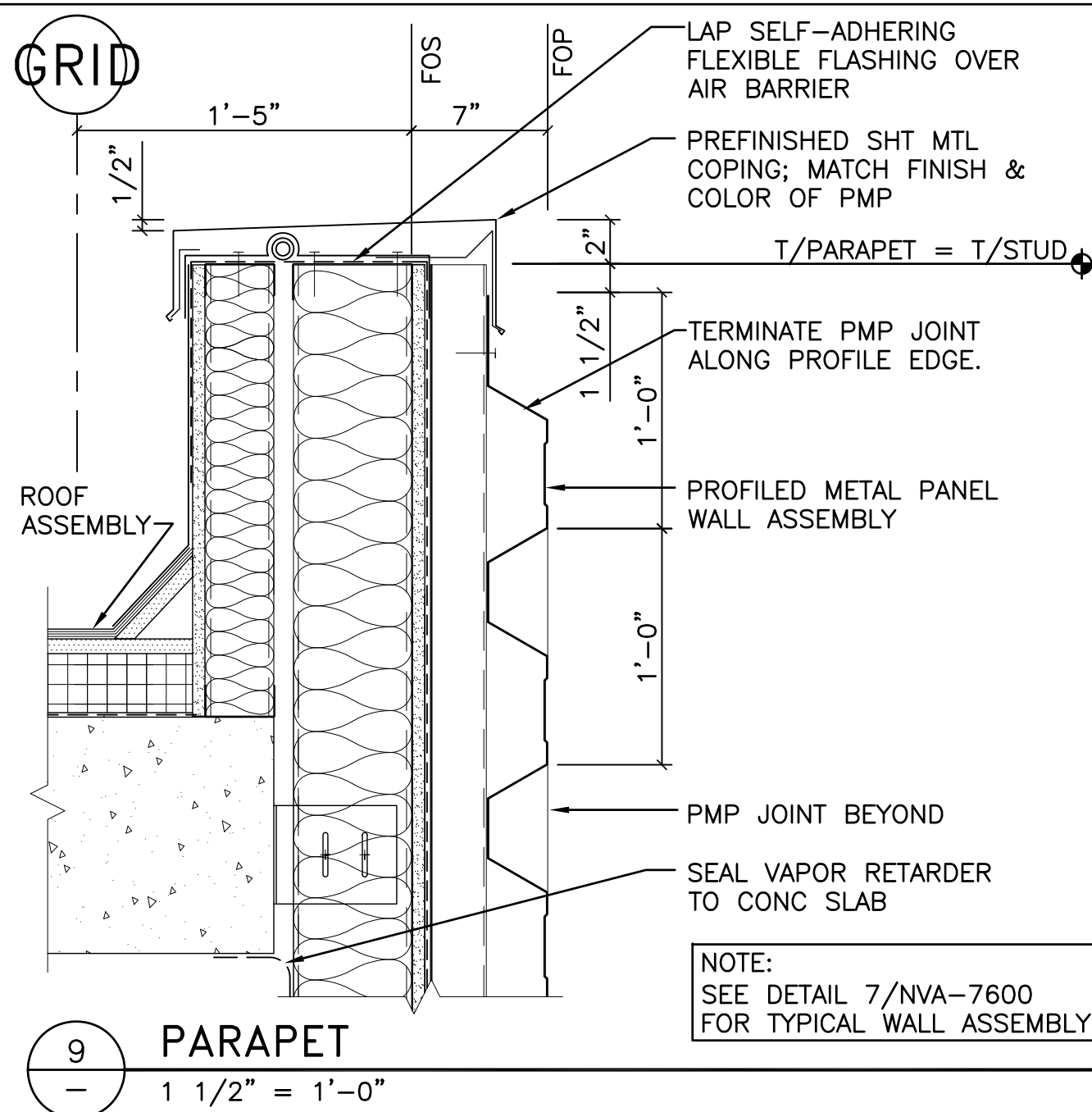
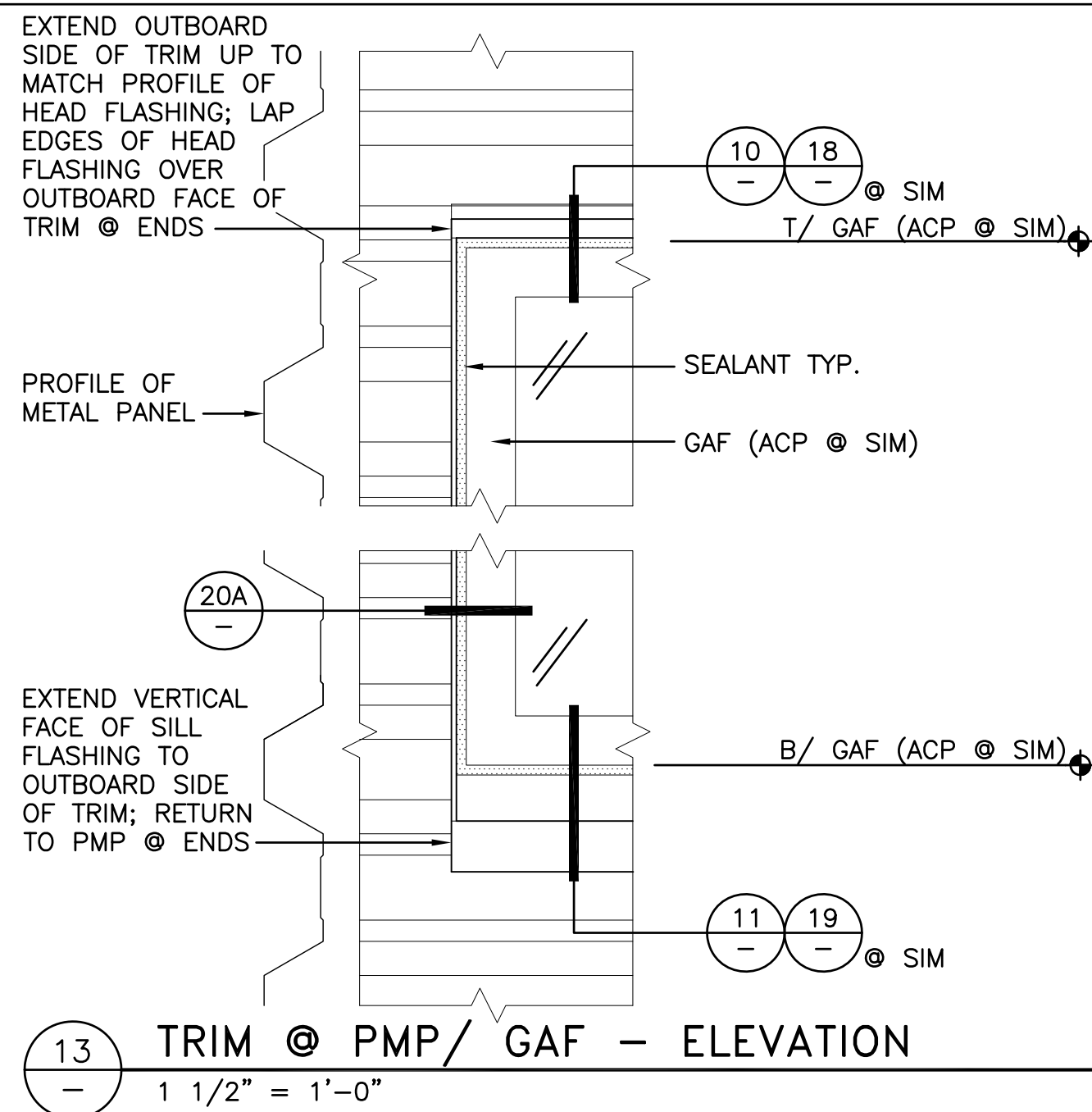
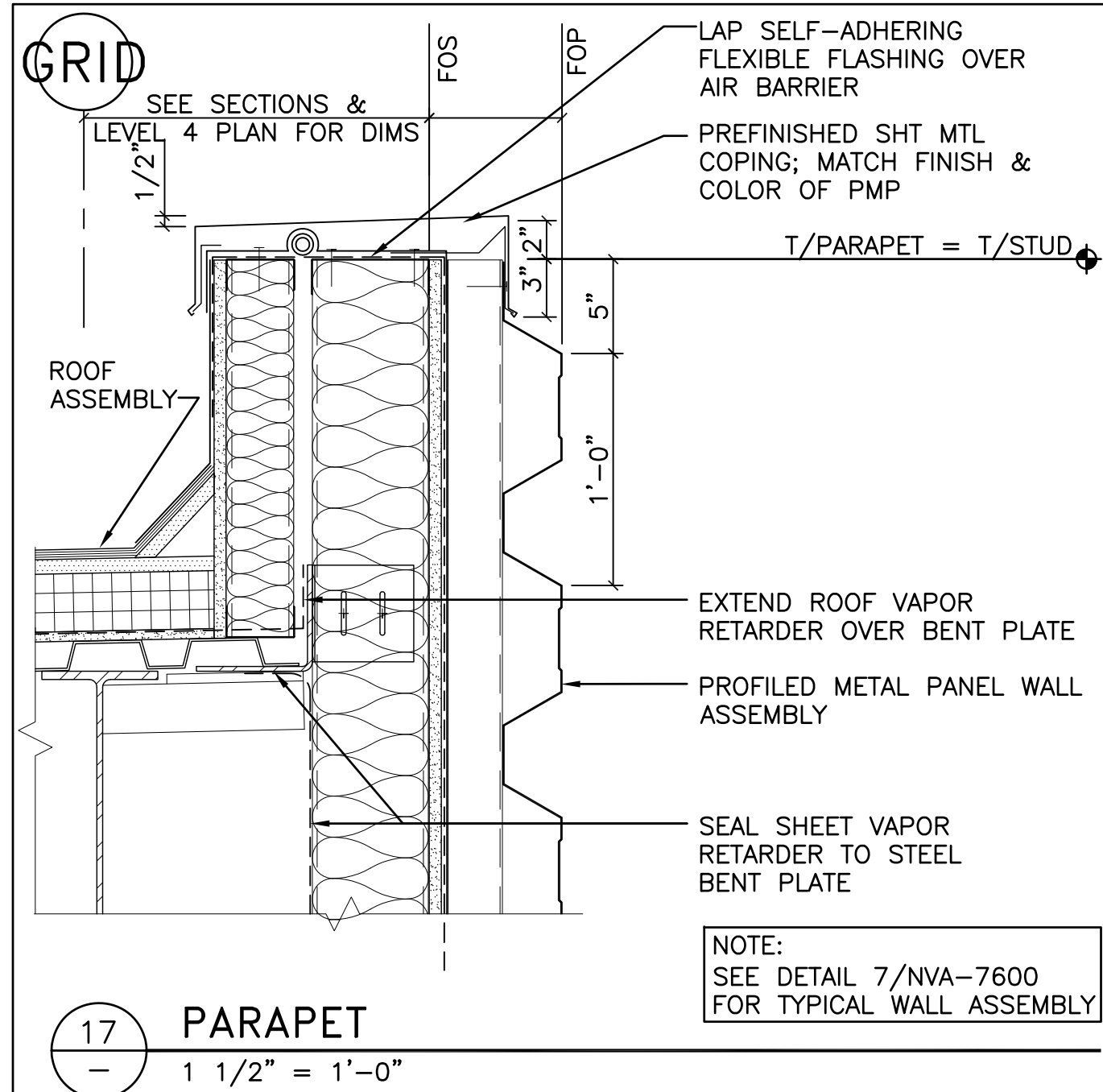
7 PROFILED METAL PANEL (PMP)
3" = 1'-0"

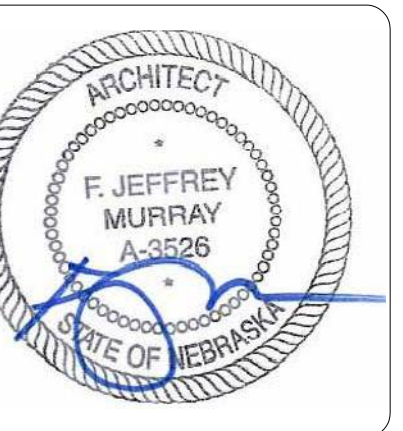
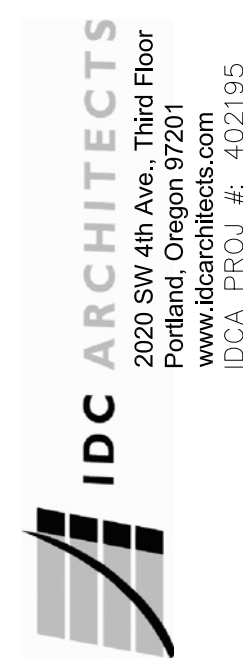
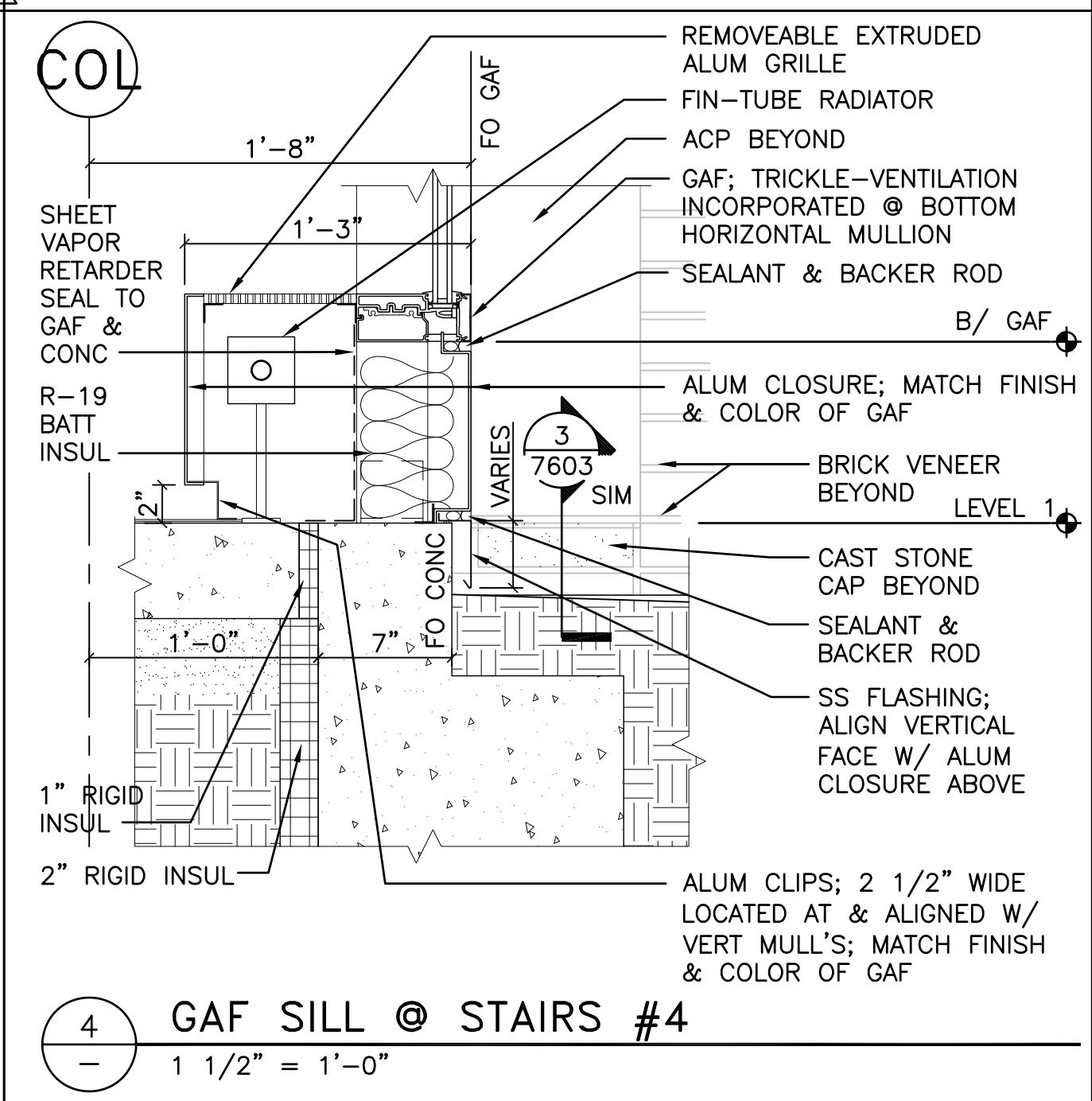
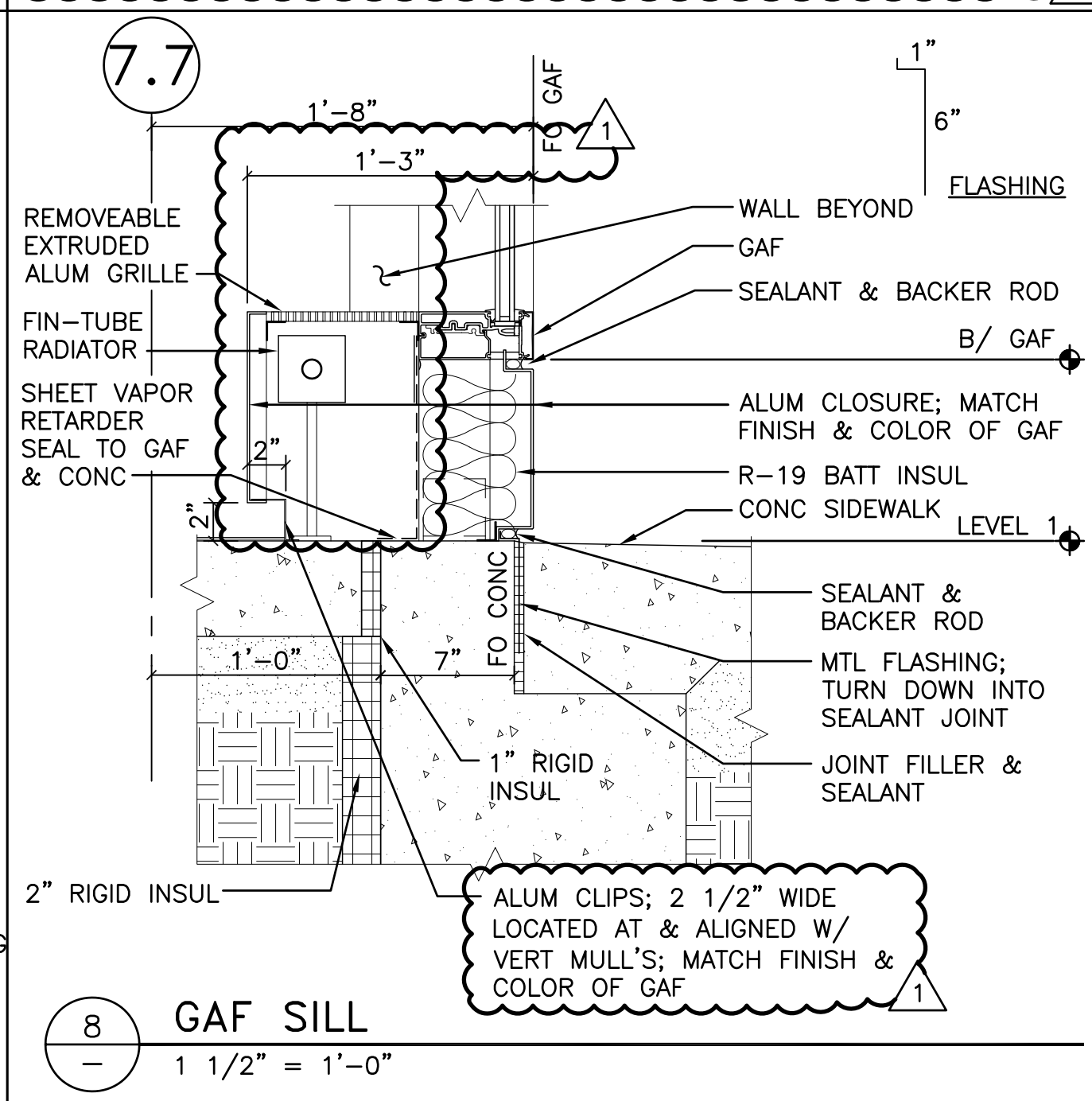
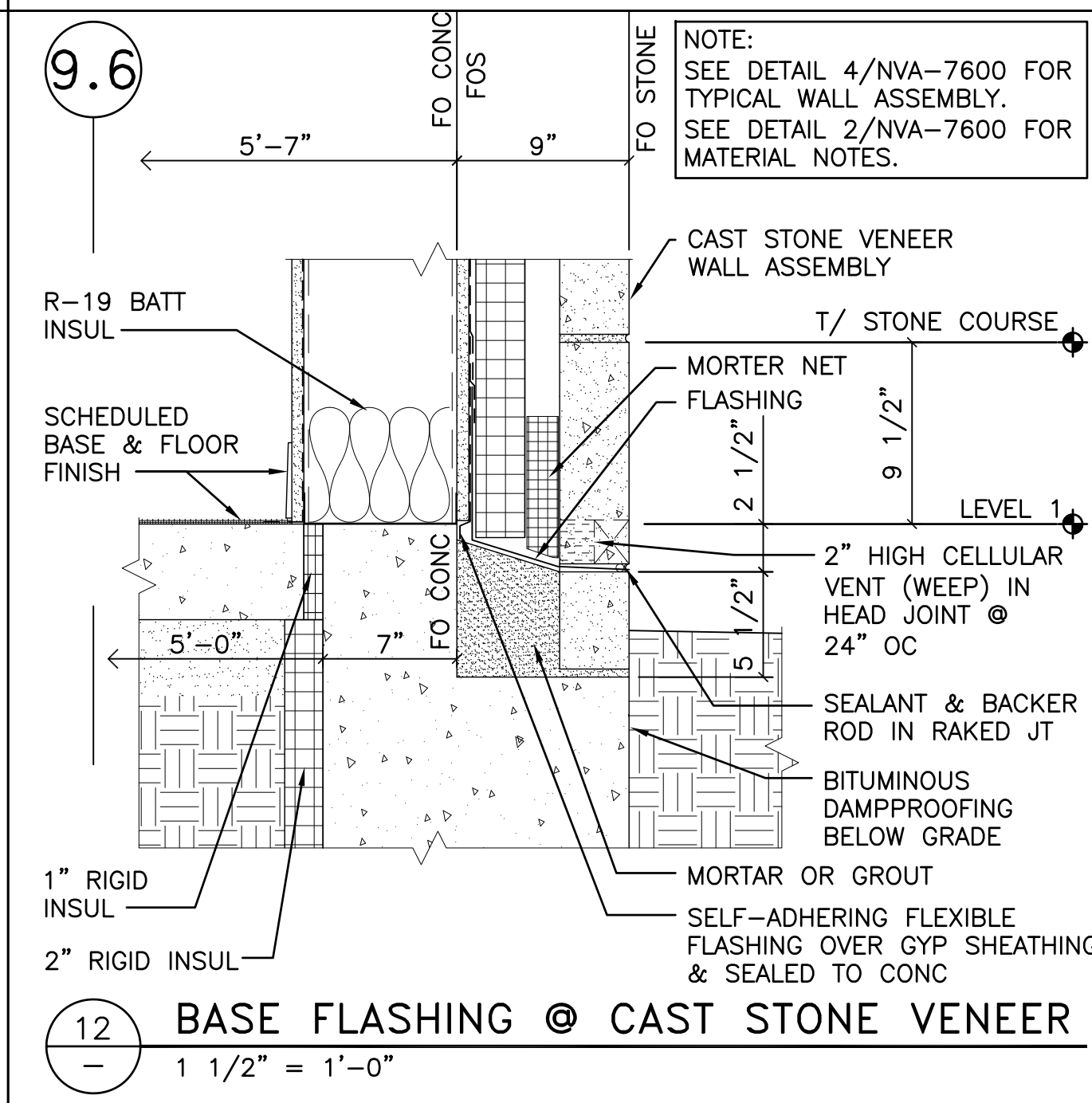
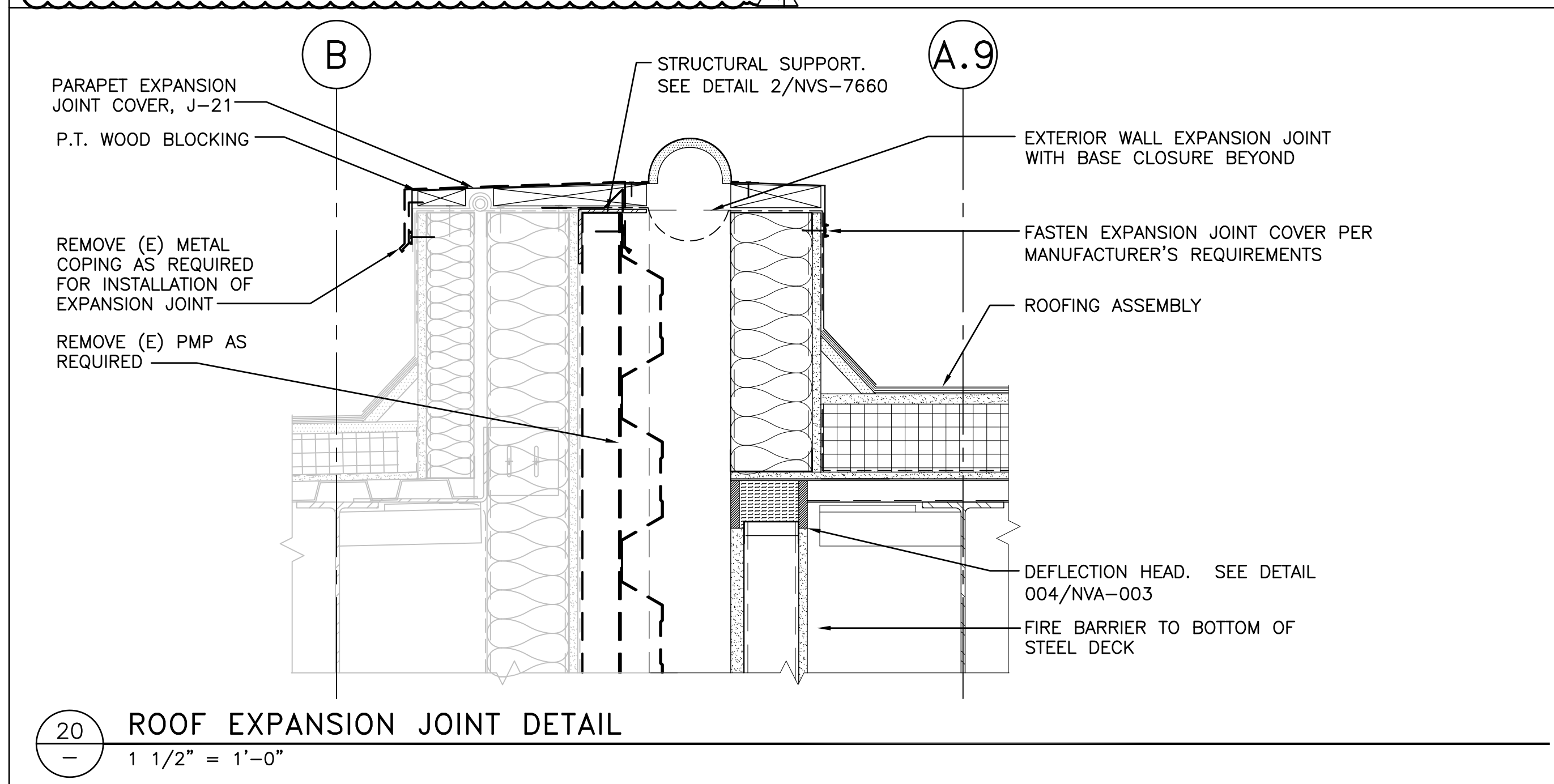
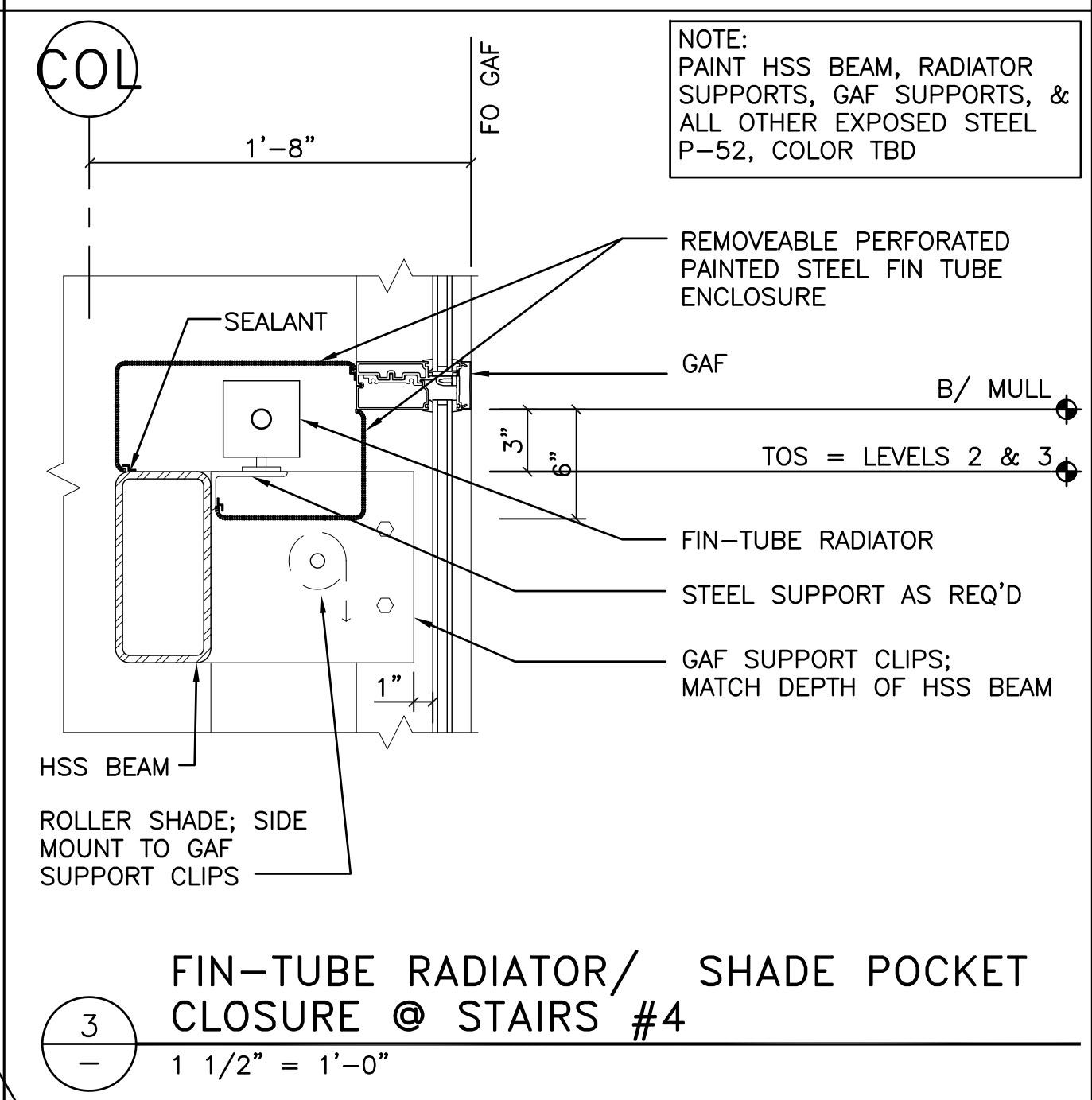
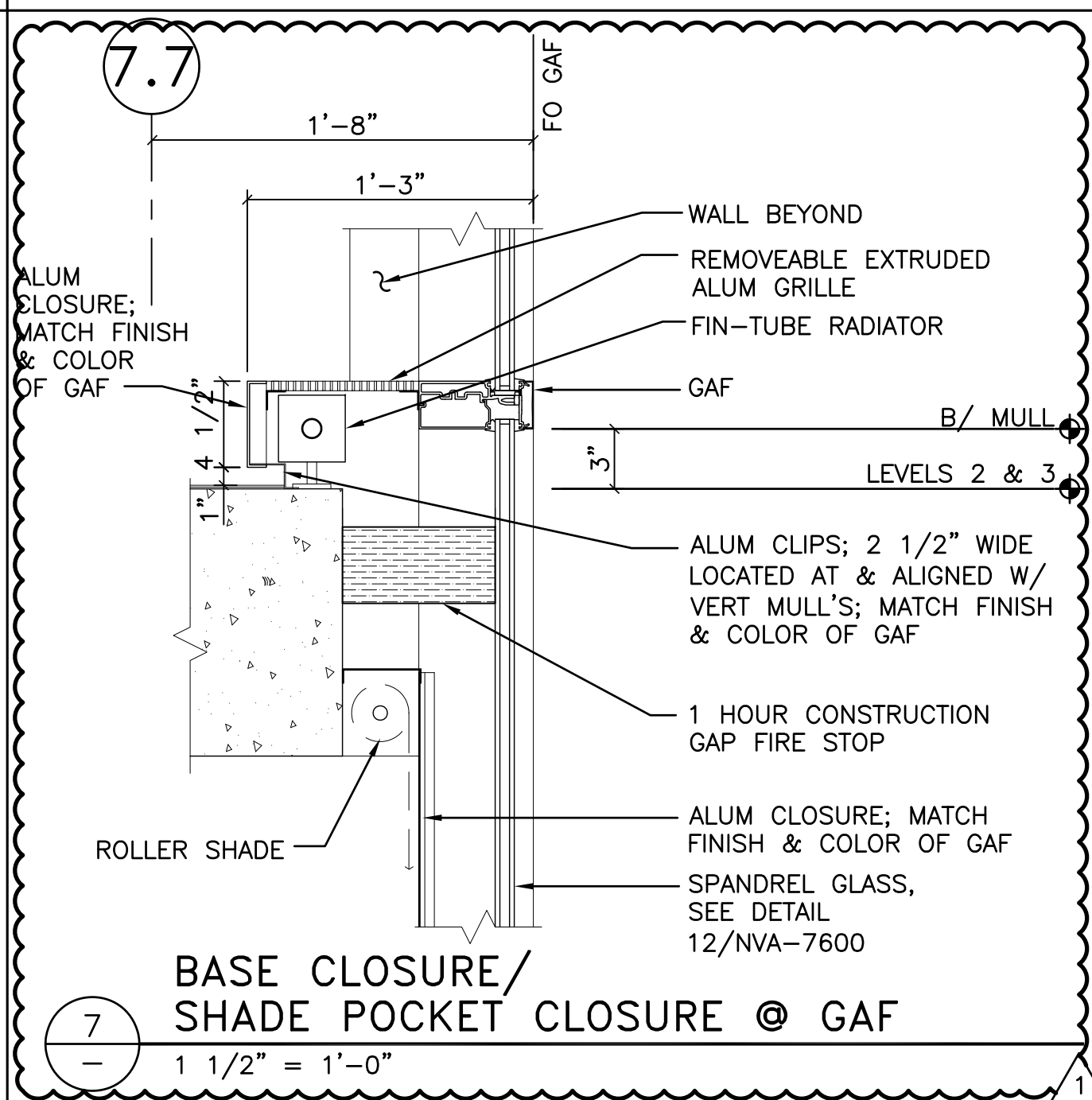
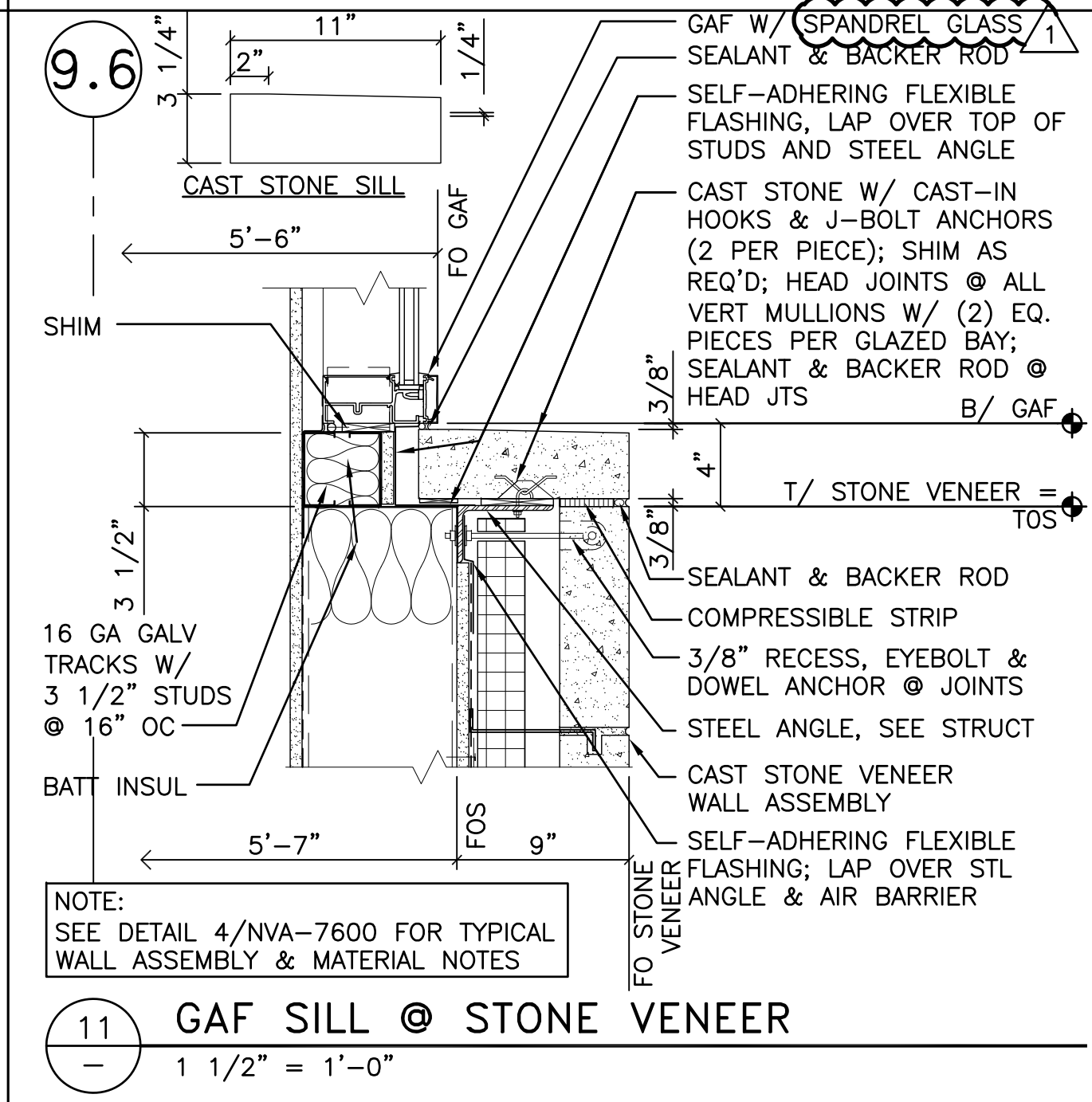
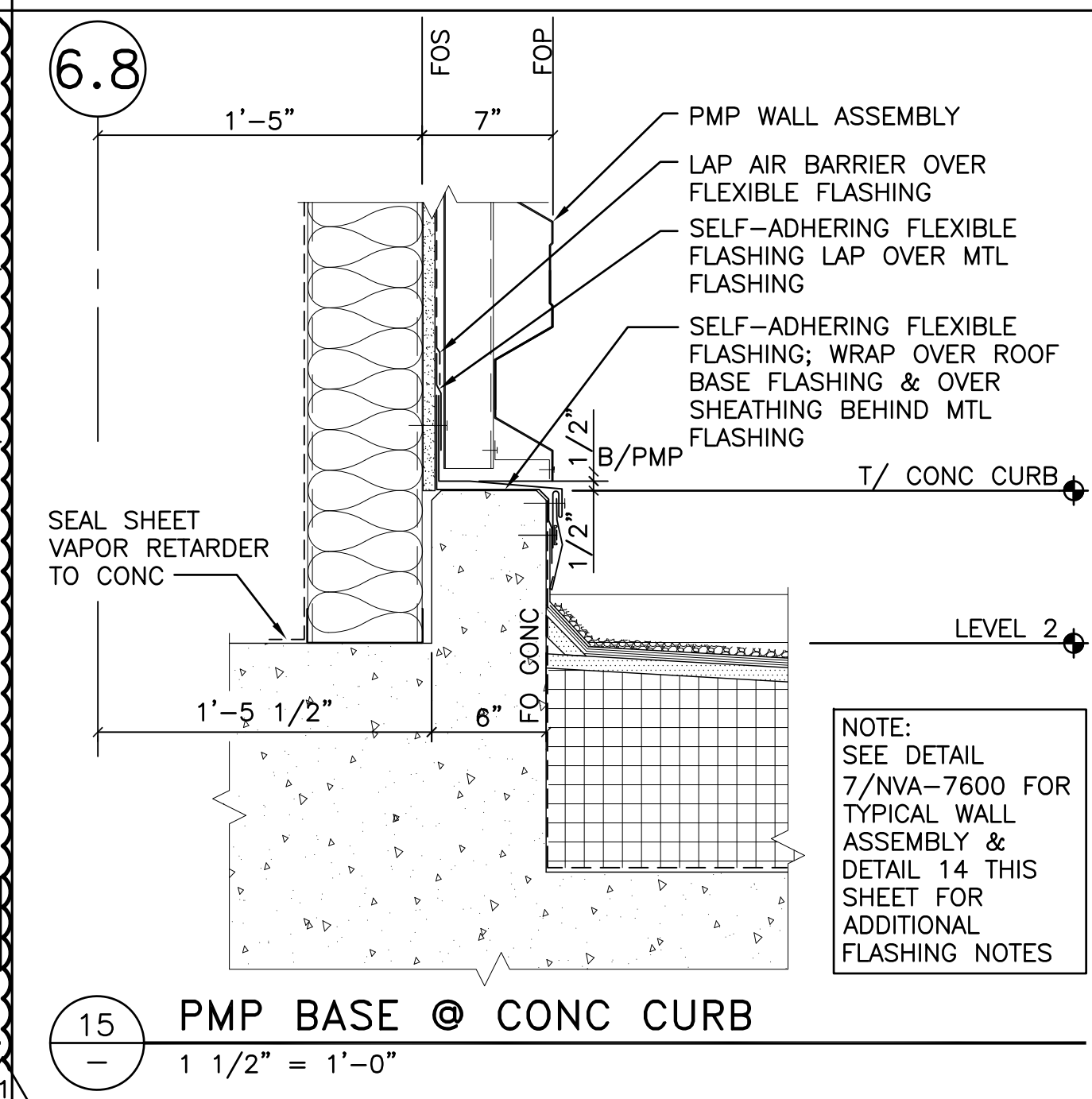
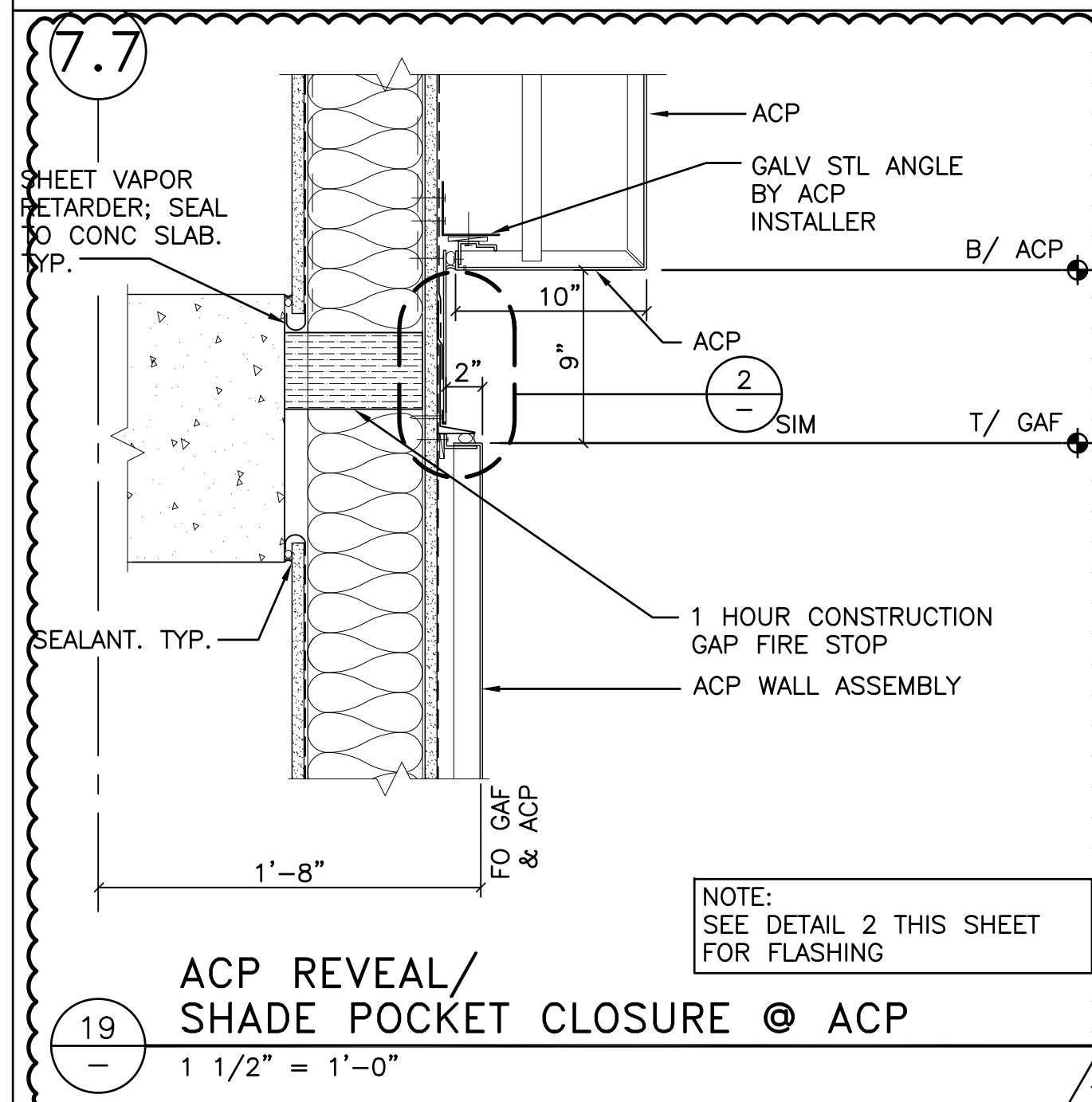
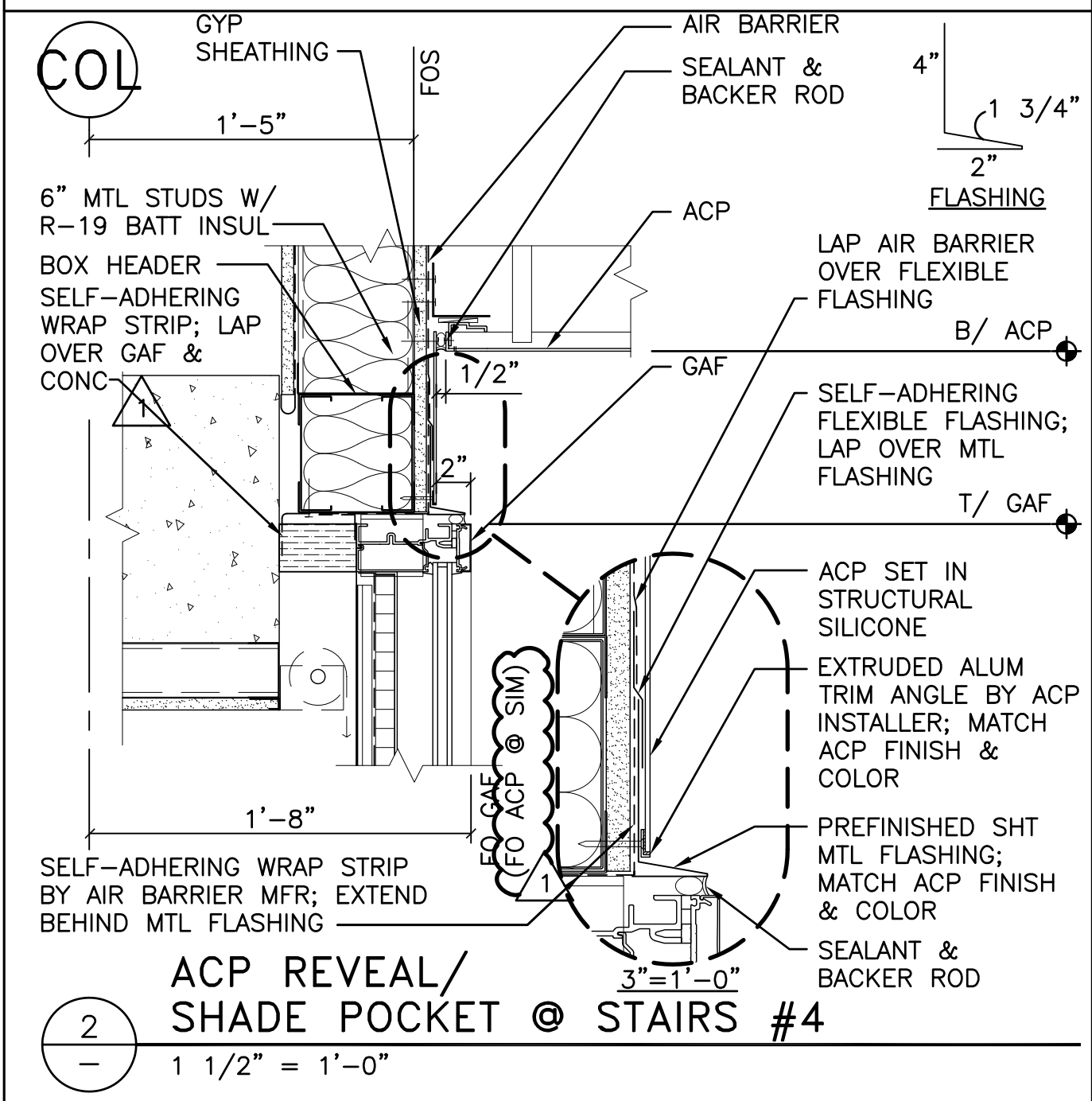
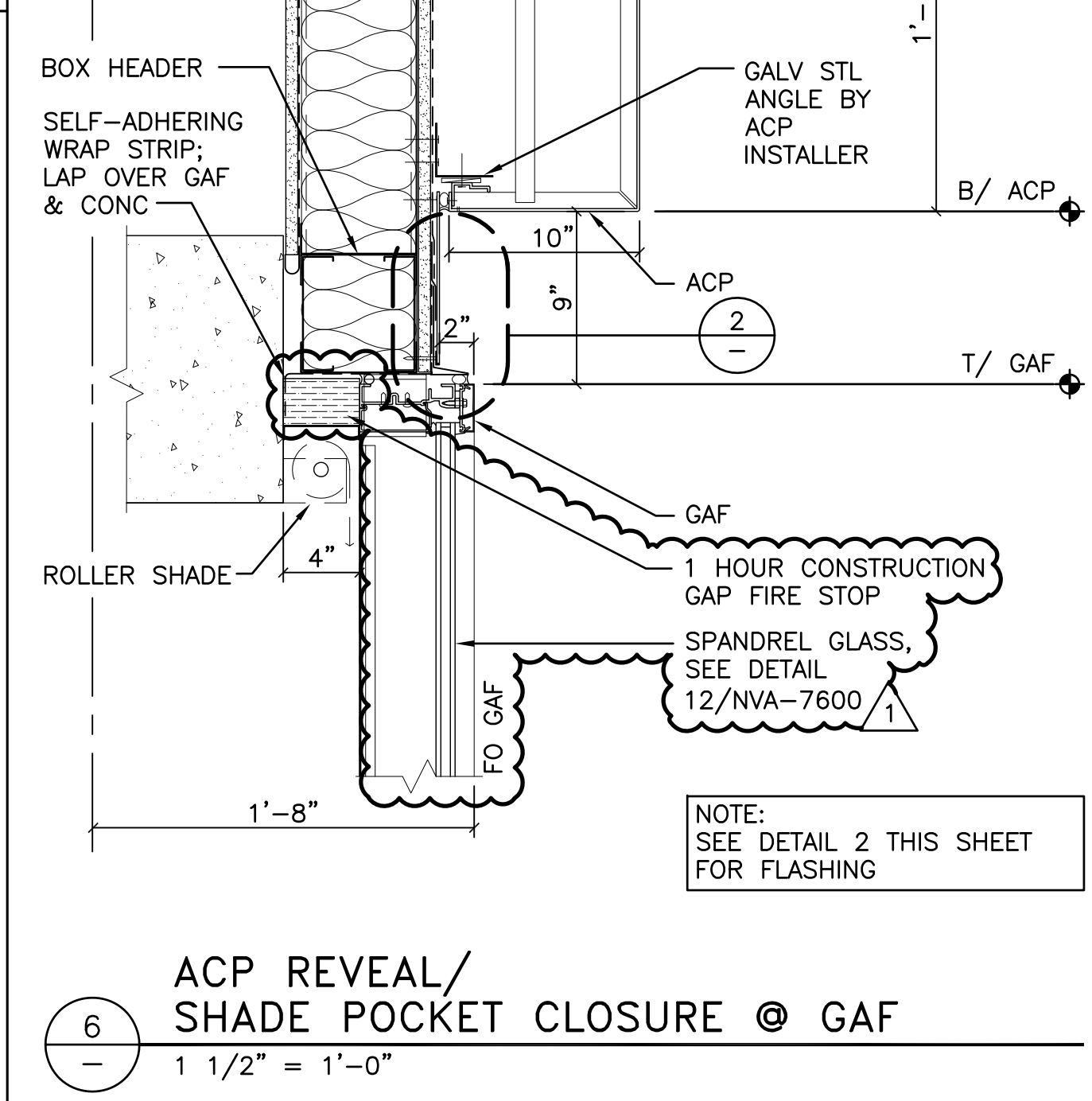
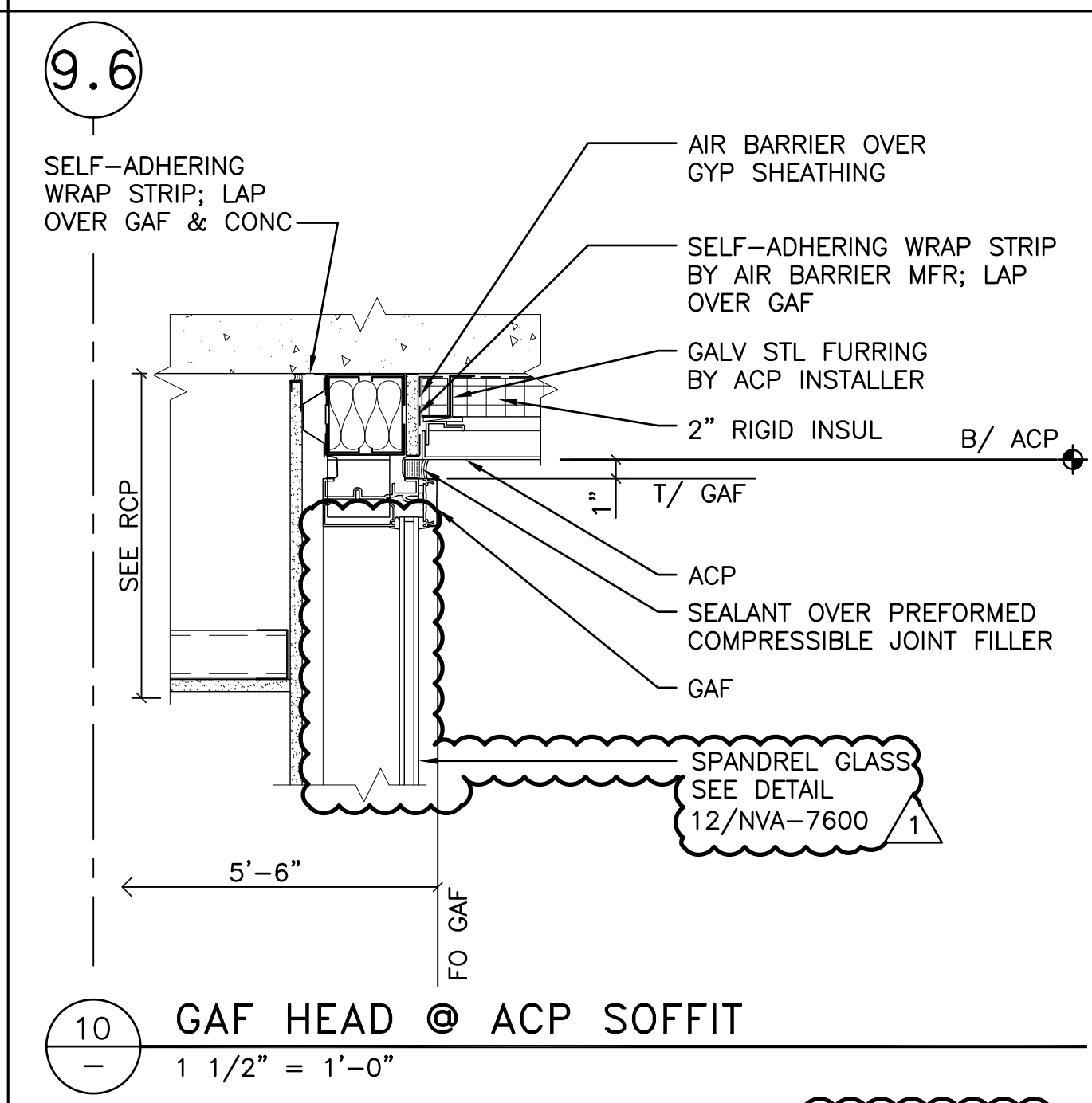
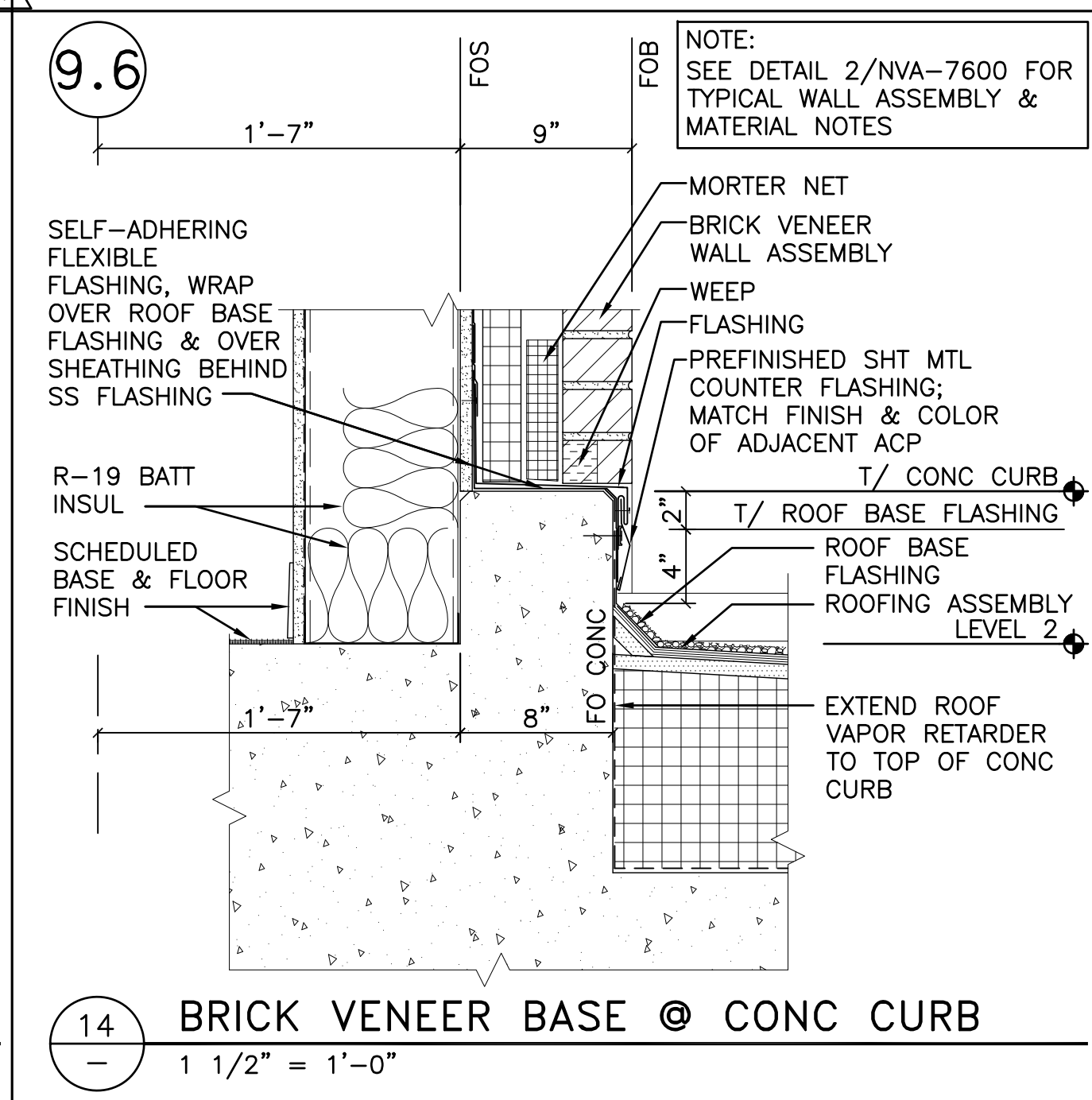
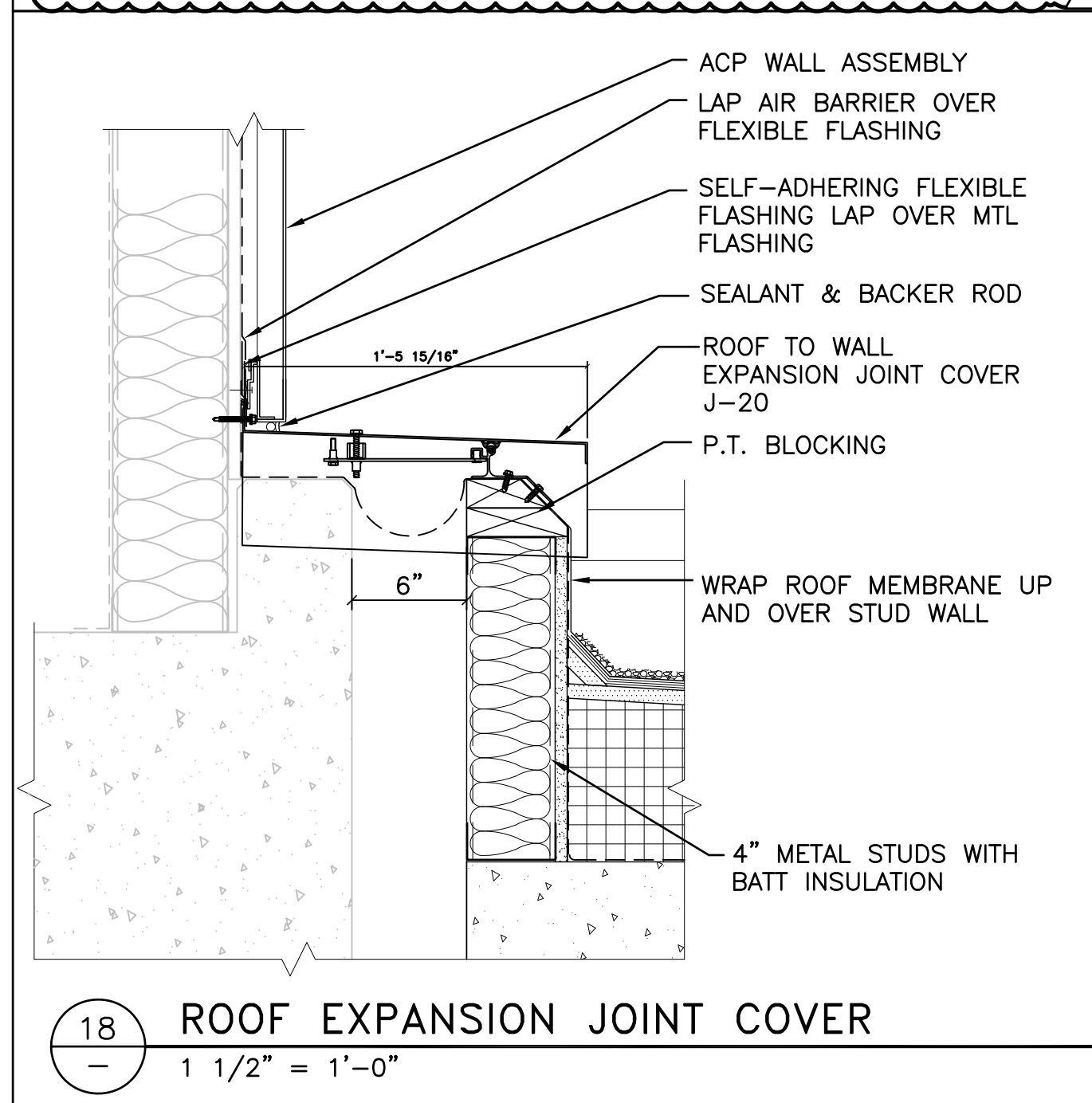
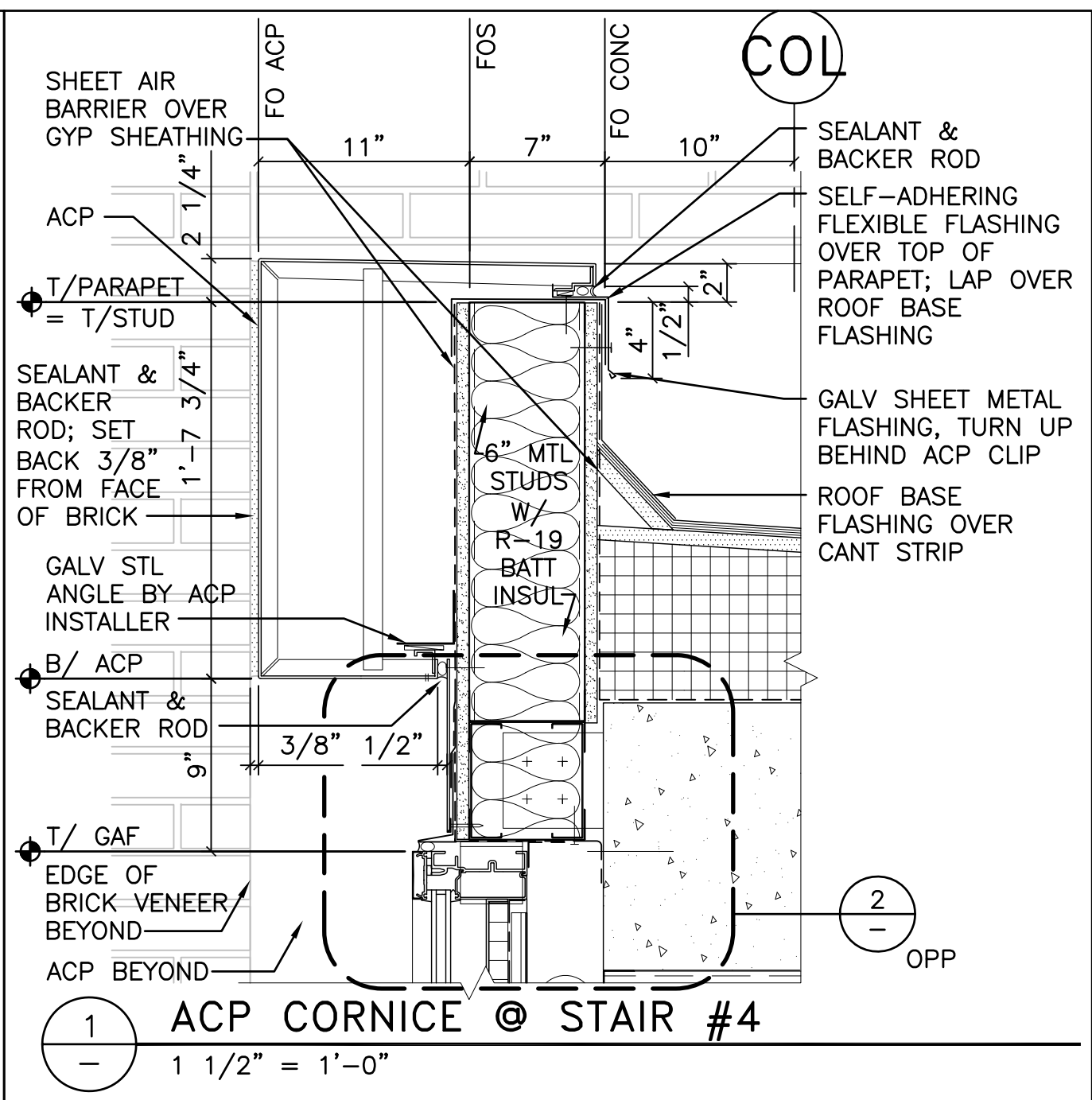
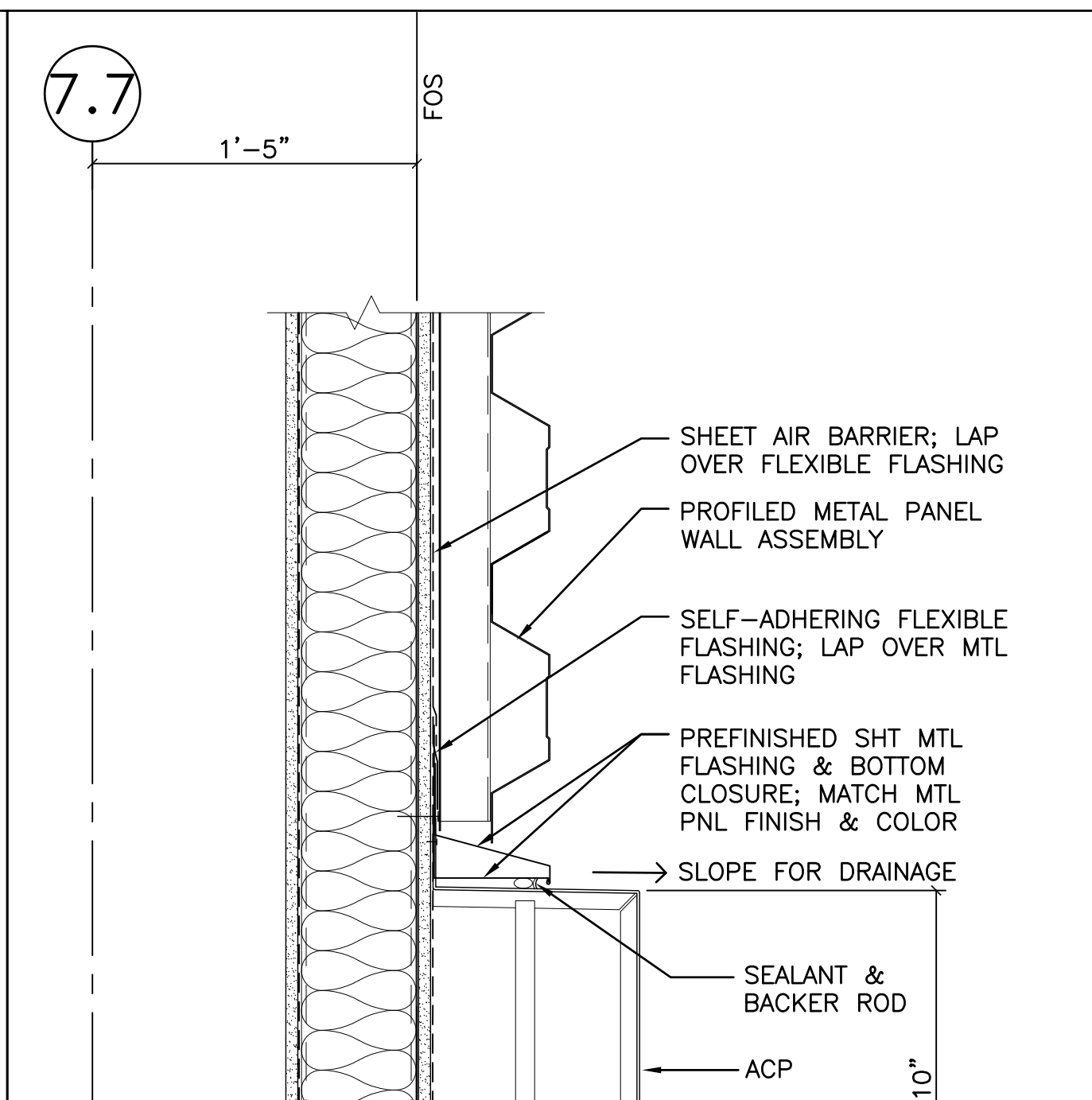
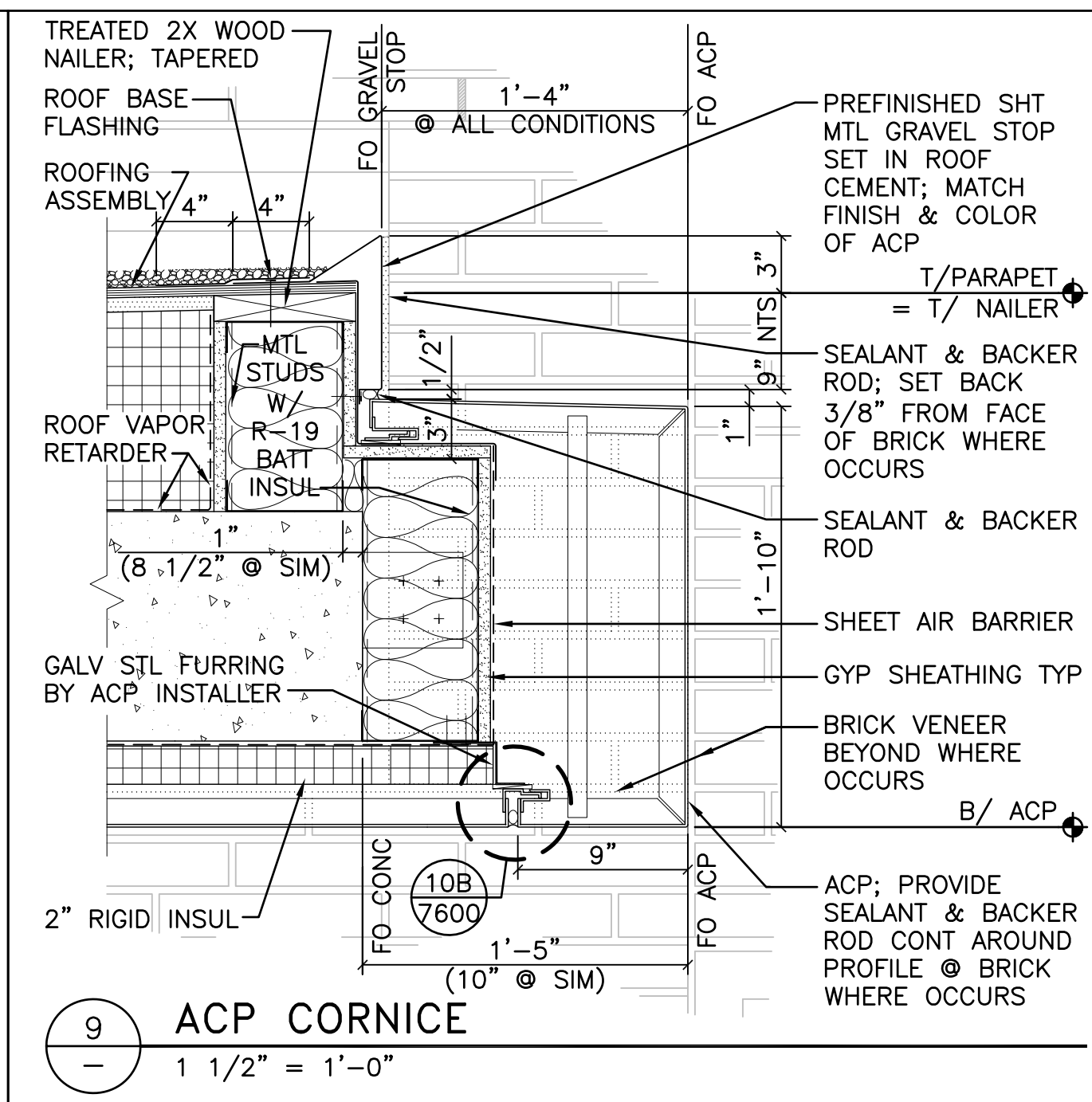
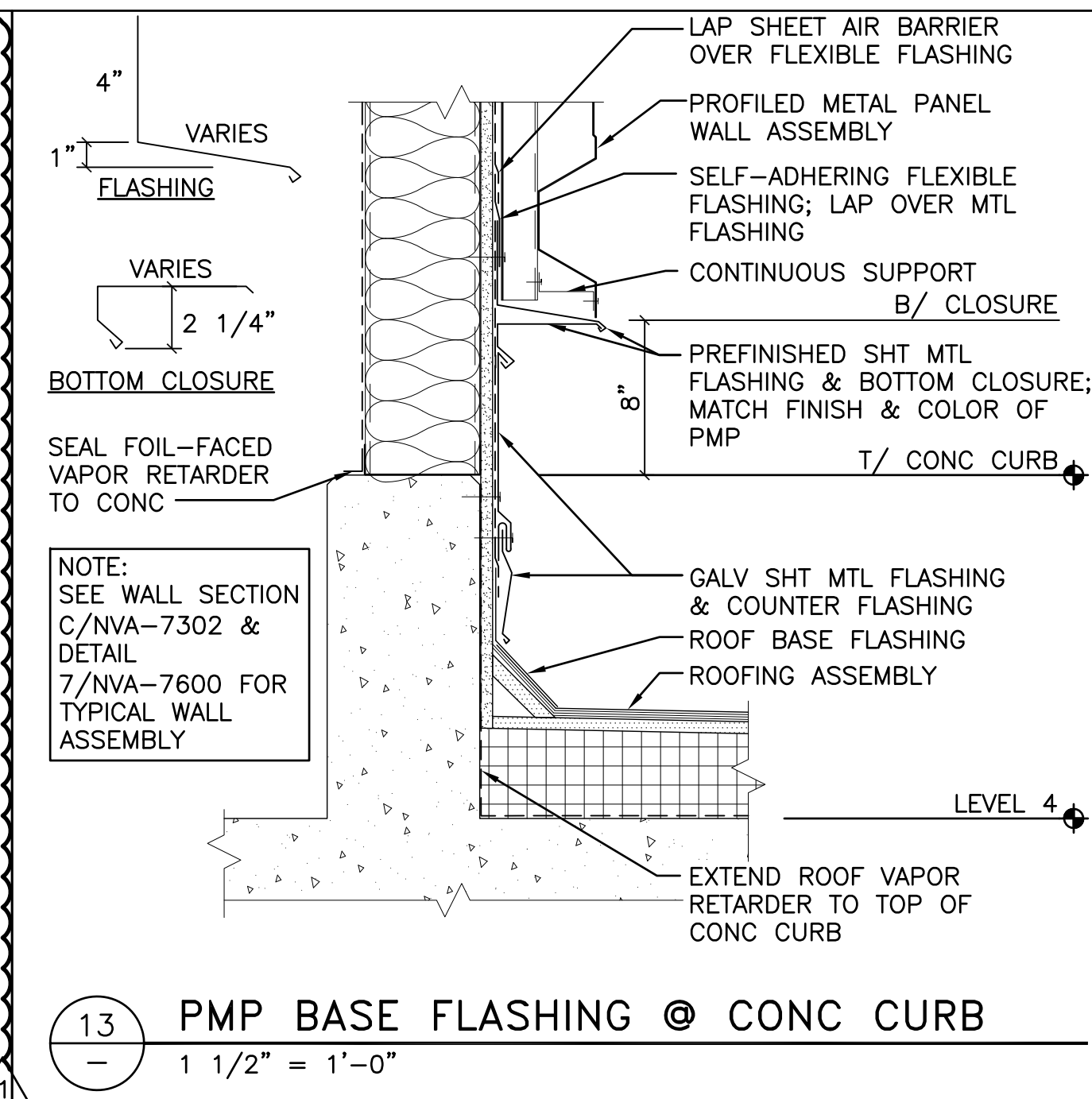
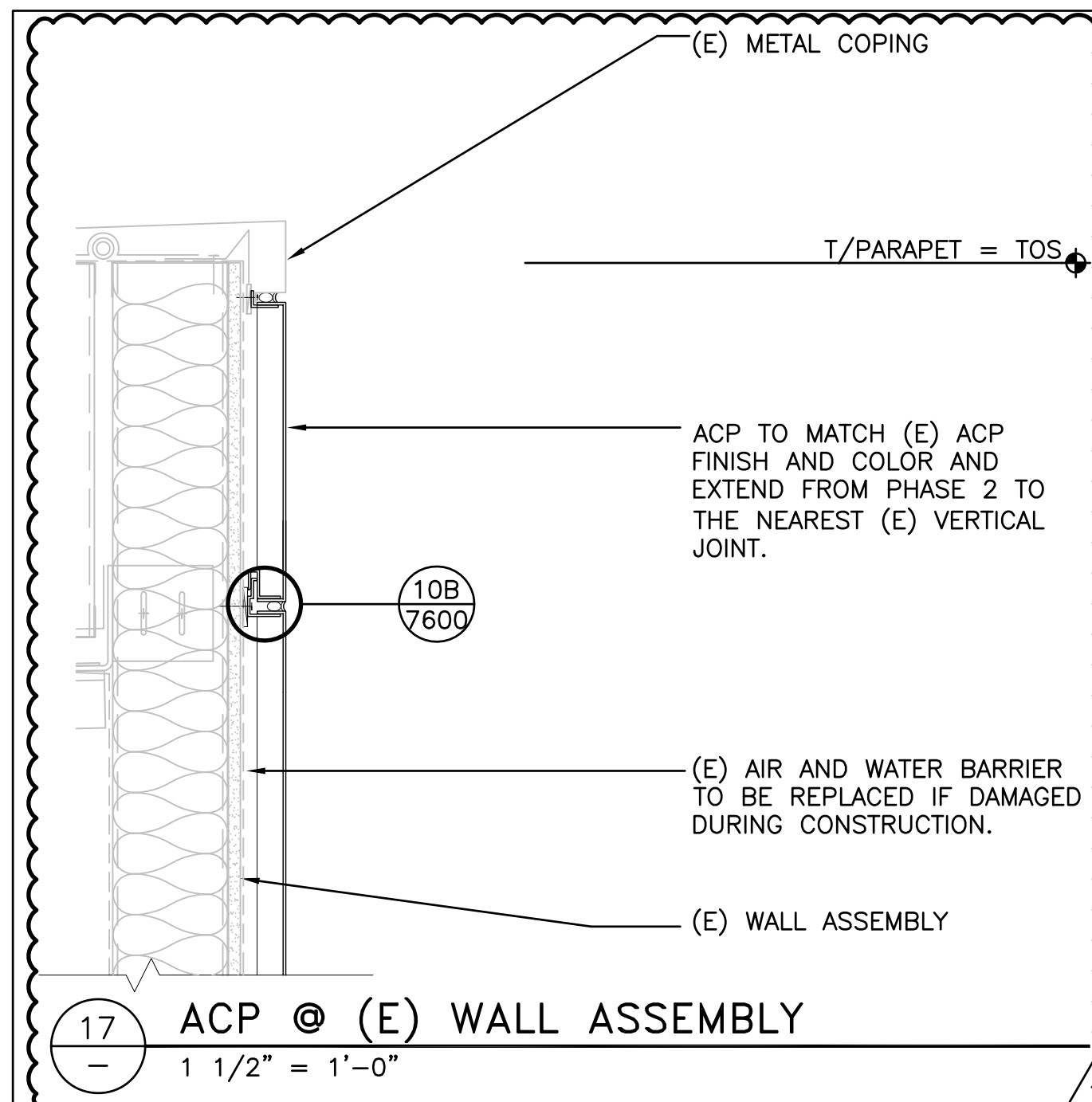
8 PROFILED METAL PANEL JOINT
3" = 1'-0"

2 BRICK VENEER / METAL STUD BACKUP
3" = 1'-0"

3 BRICK VENEER / CMU BACKUP
3" = 1'-0"

4 CAST STONE VENEER/MTL STUD BACKUP
3" = 1'-0"





COPYRIGHT: This document and the information contained may not be reproduced or excerpted without the written permission of FARRIS ENGINEERING, INC. Unauthorized copying, disclosure or construction use are prohibited by the copyright law.

REVISIONS
ADD 3 03-30-2012

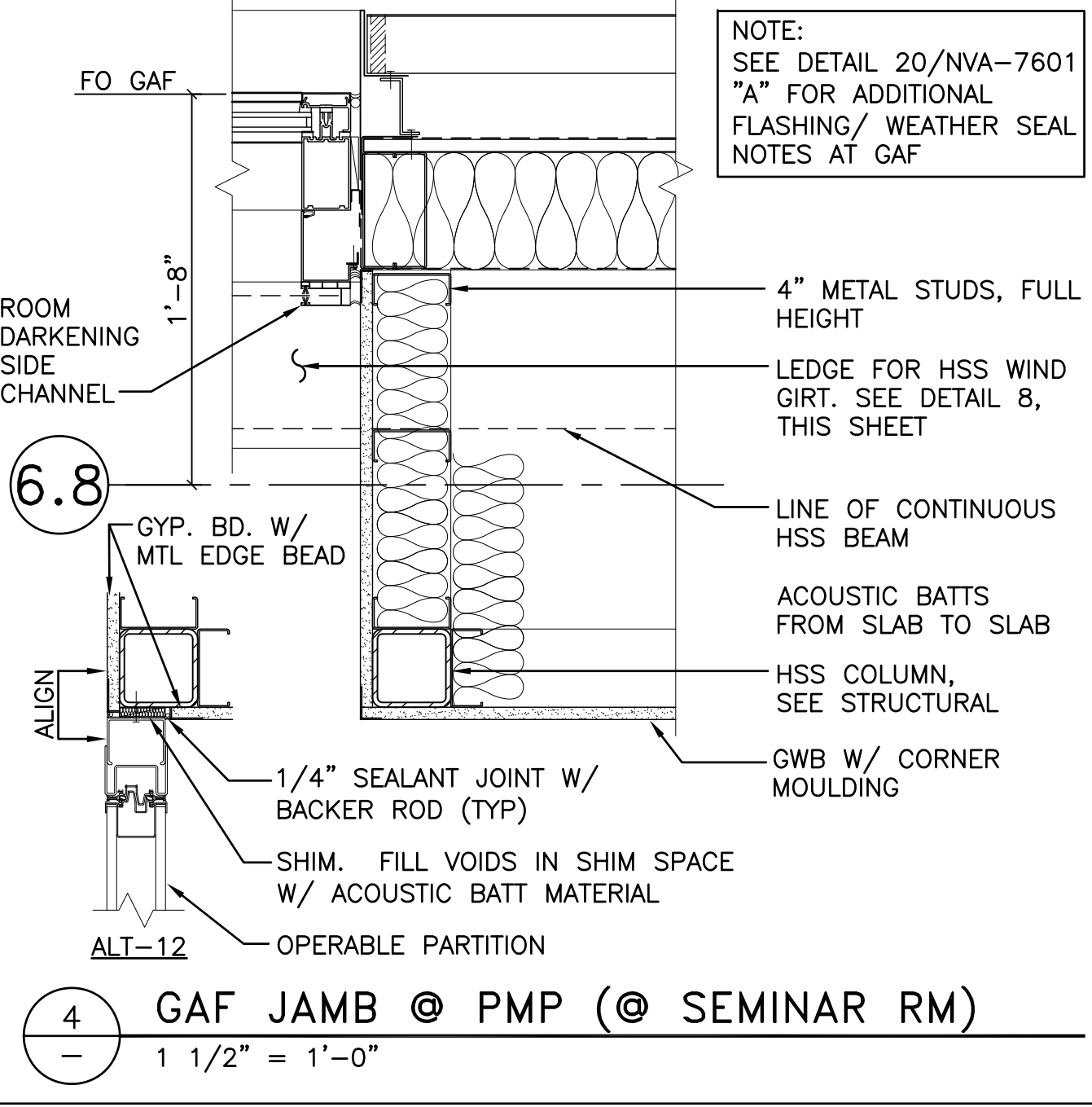
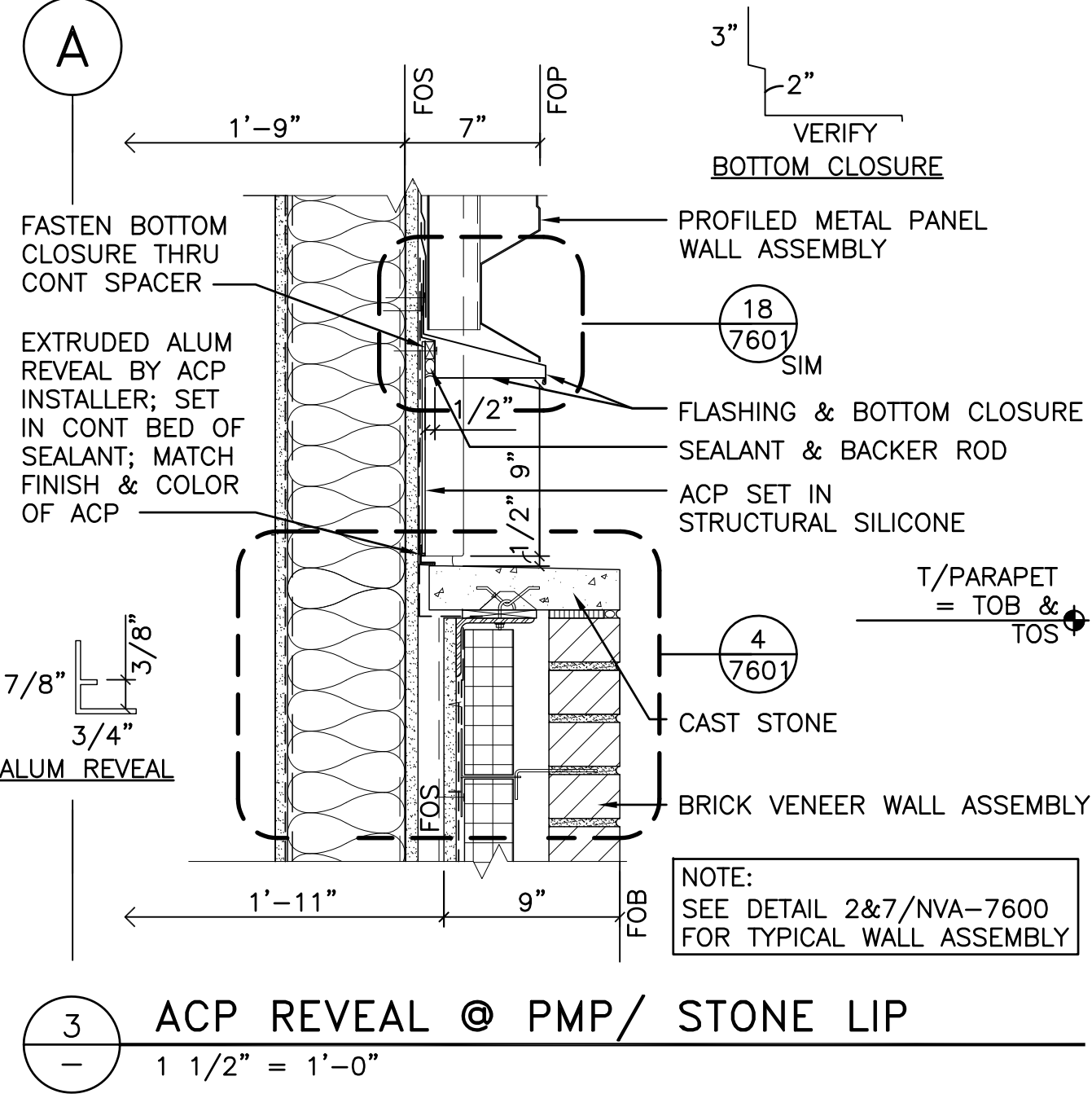
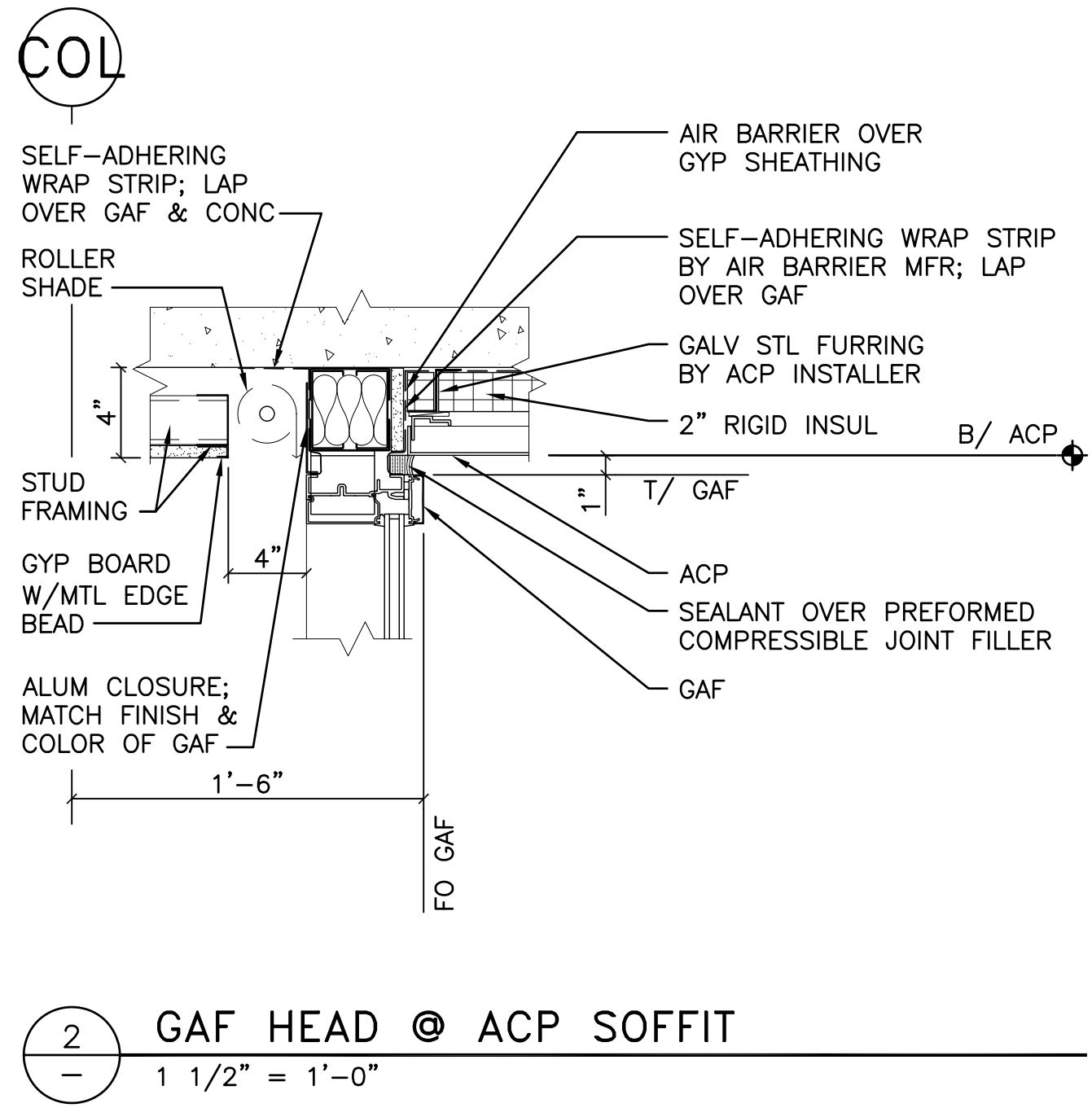
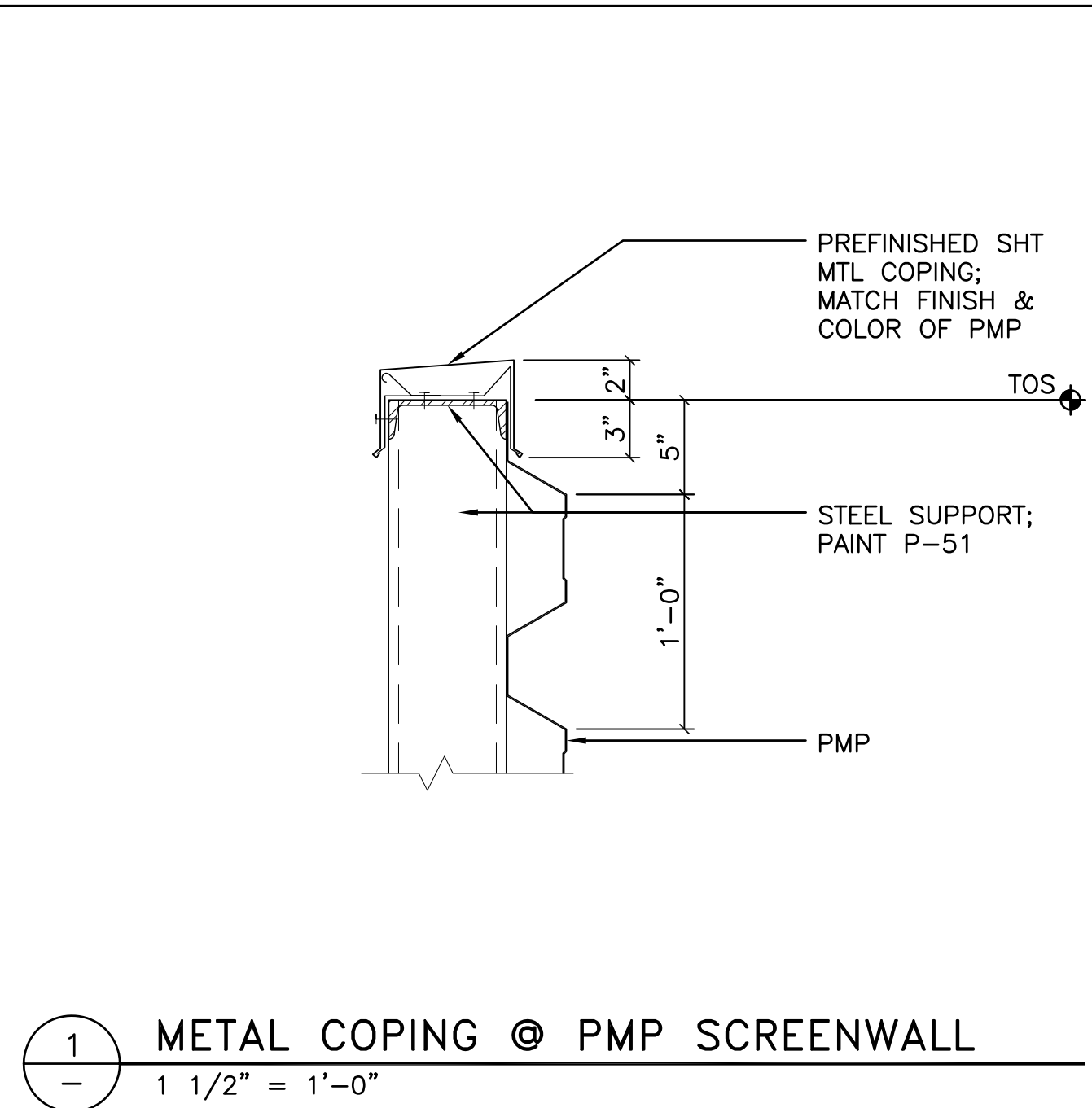
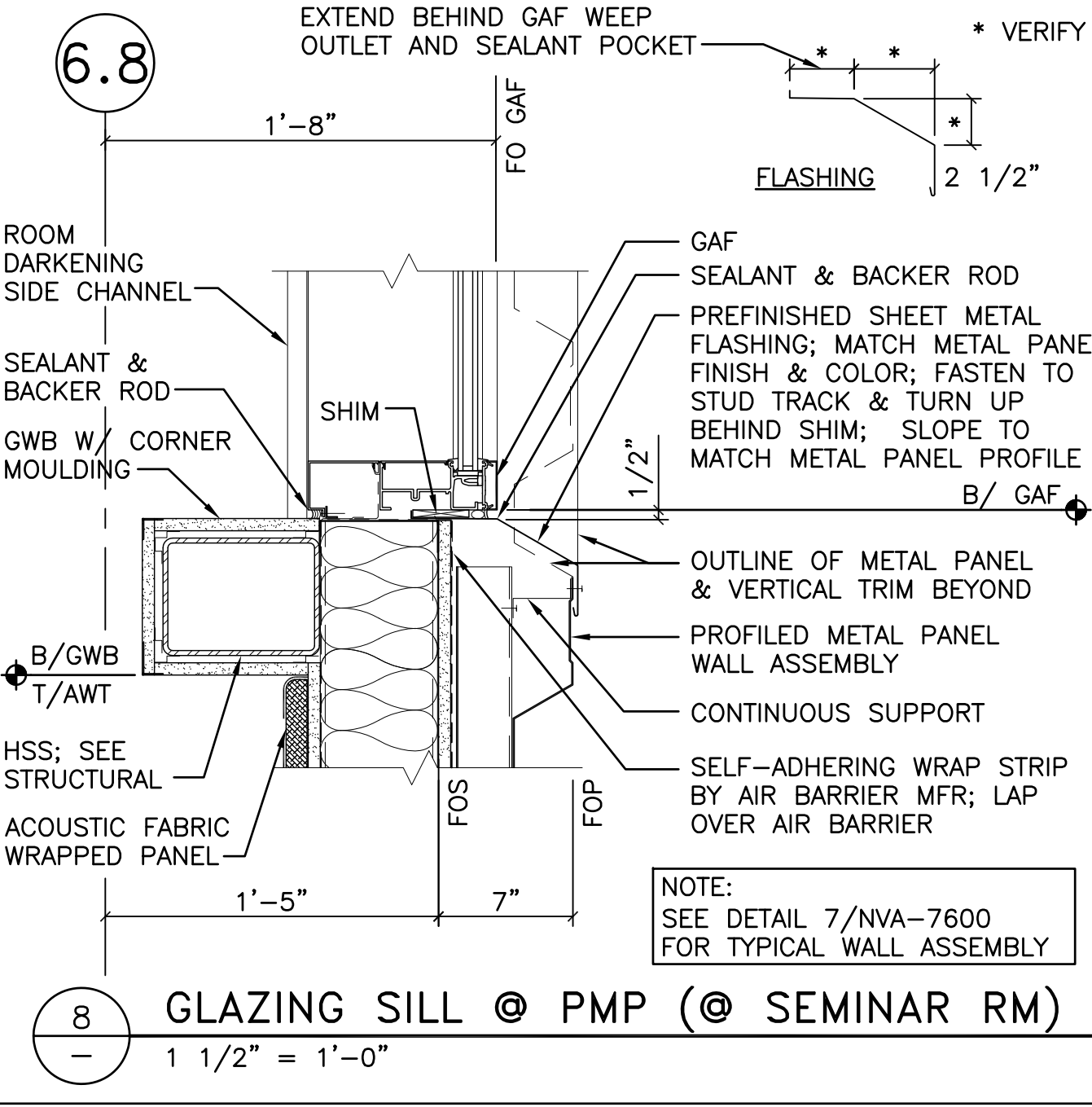
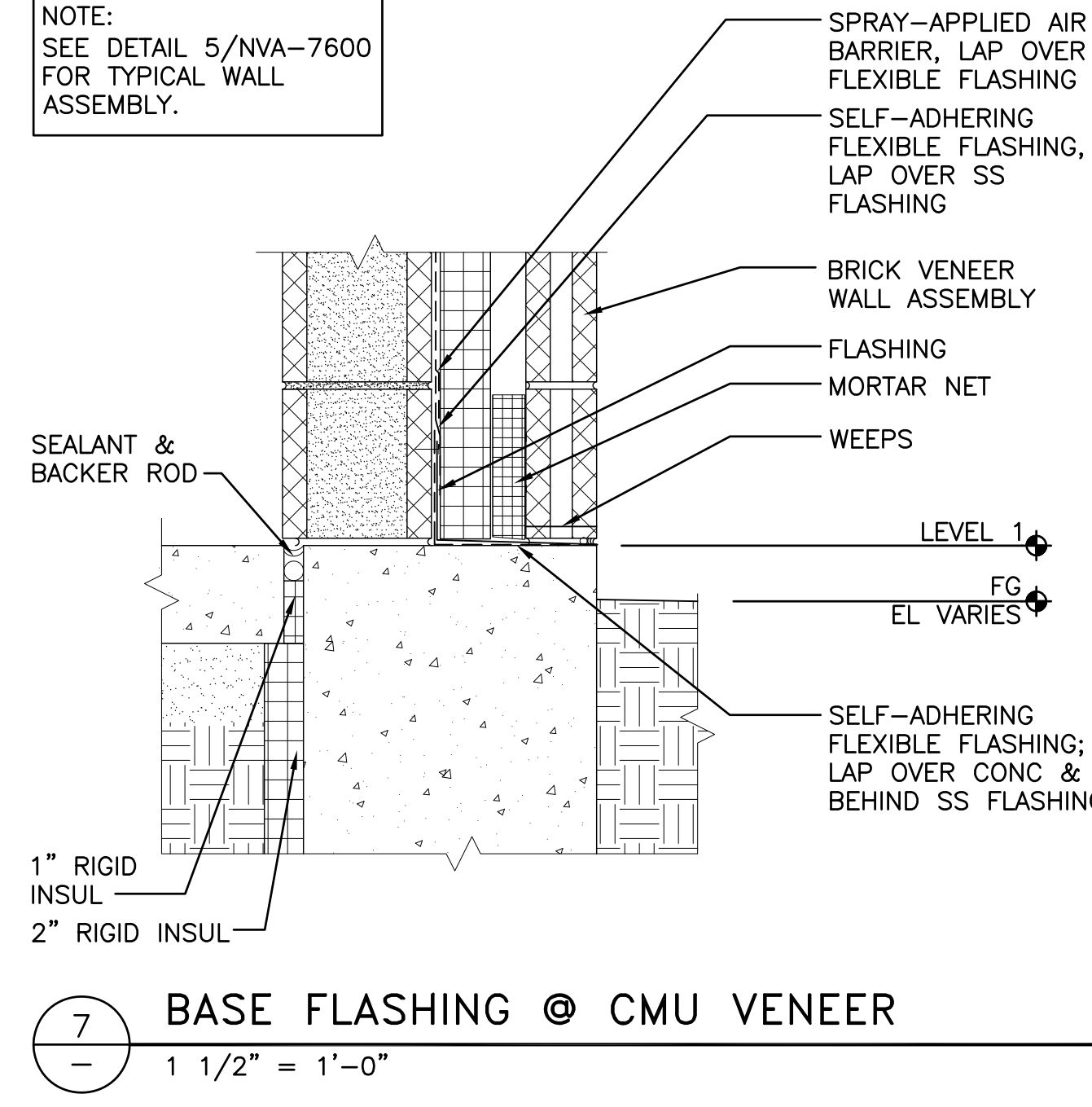
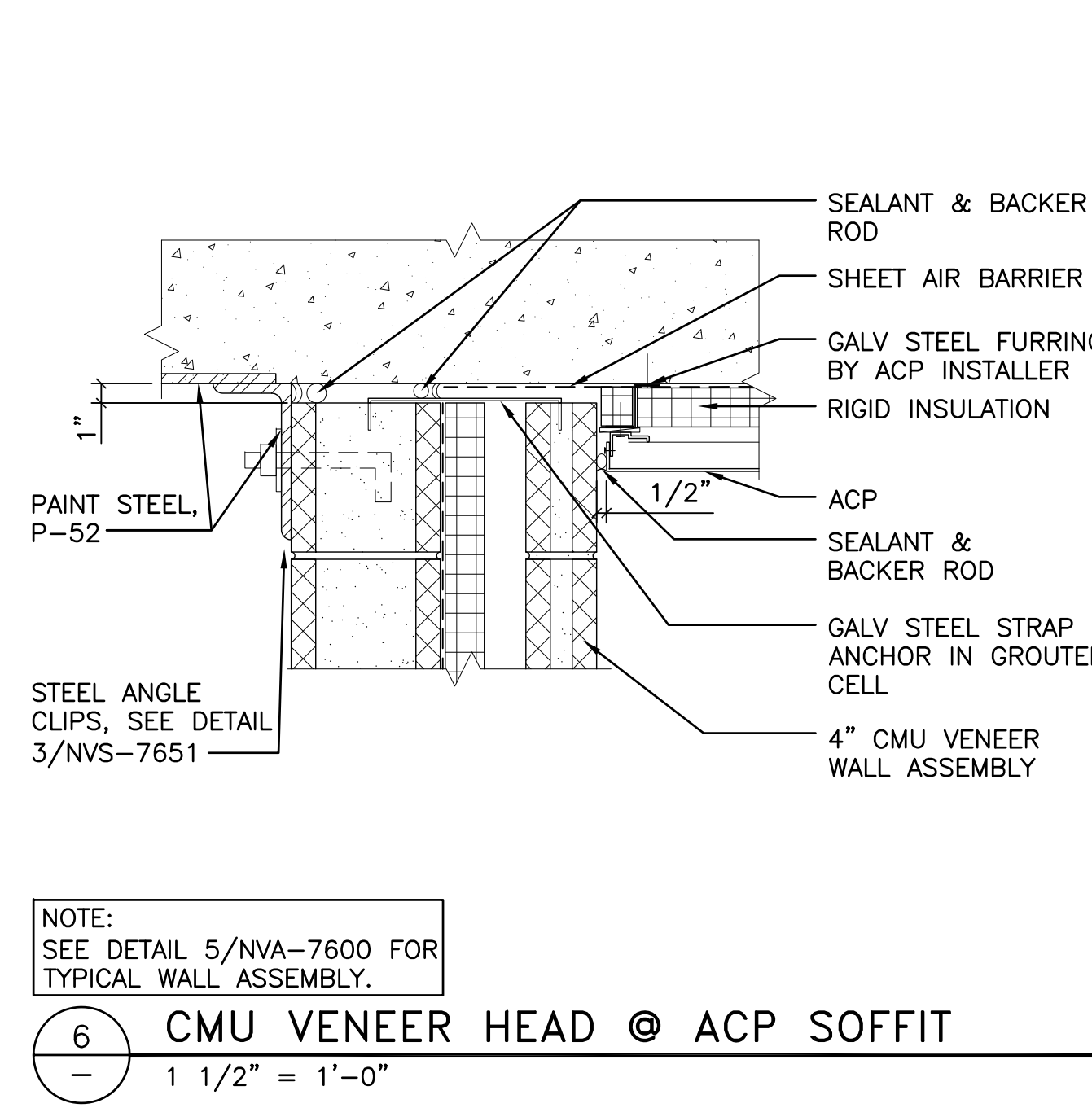
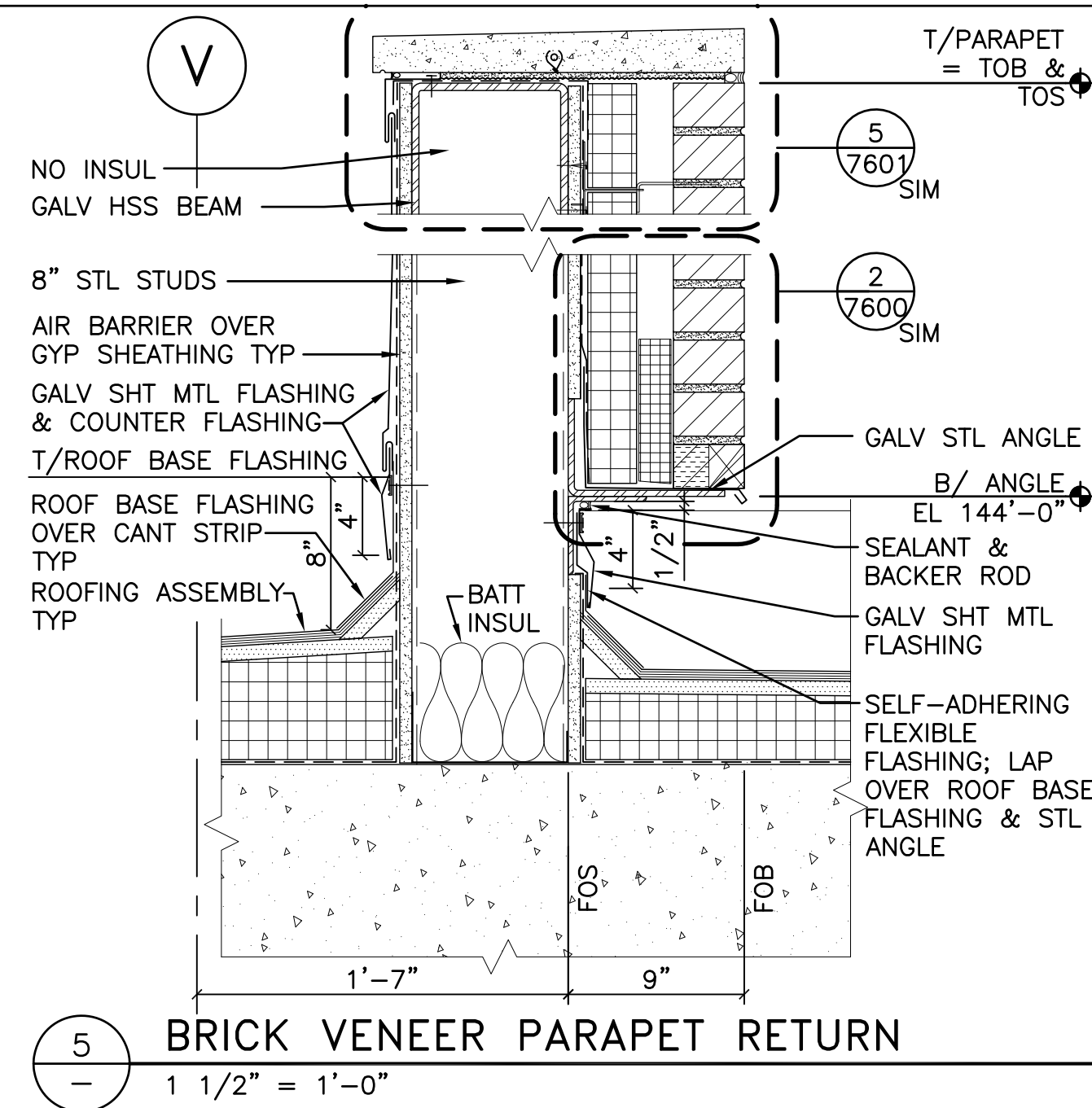
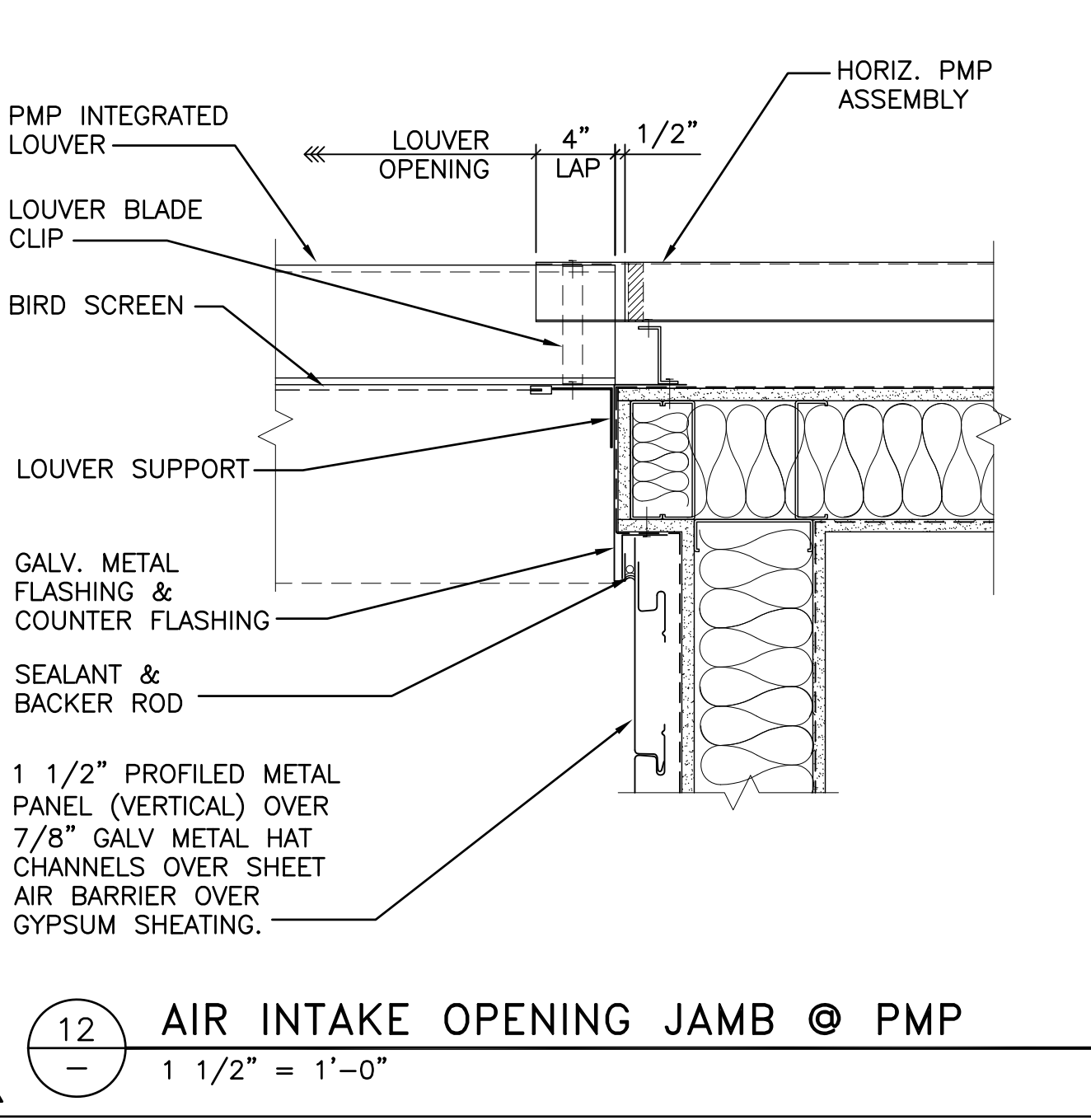
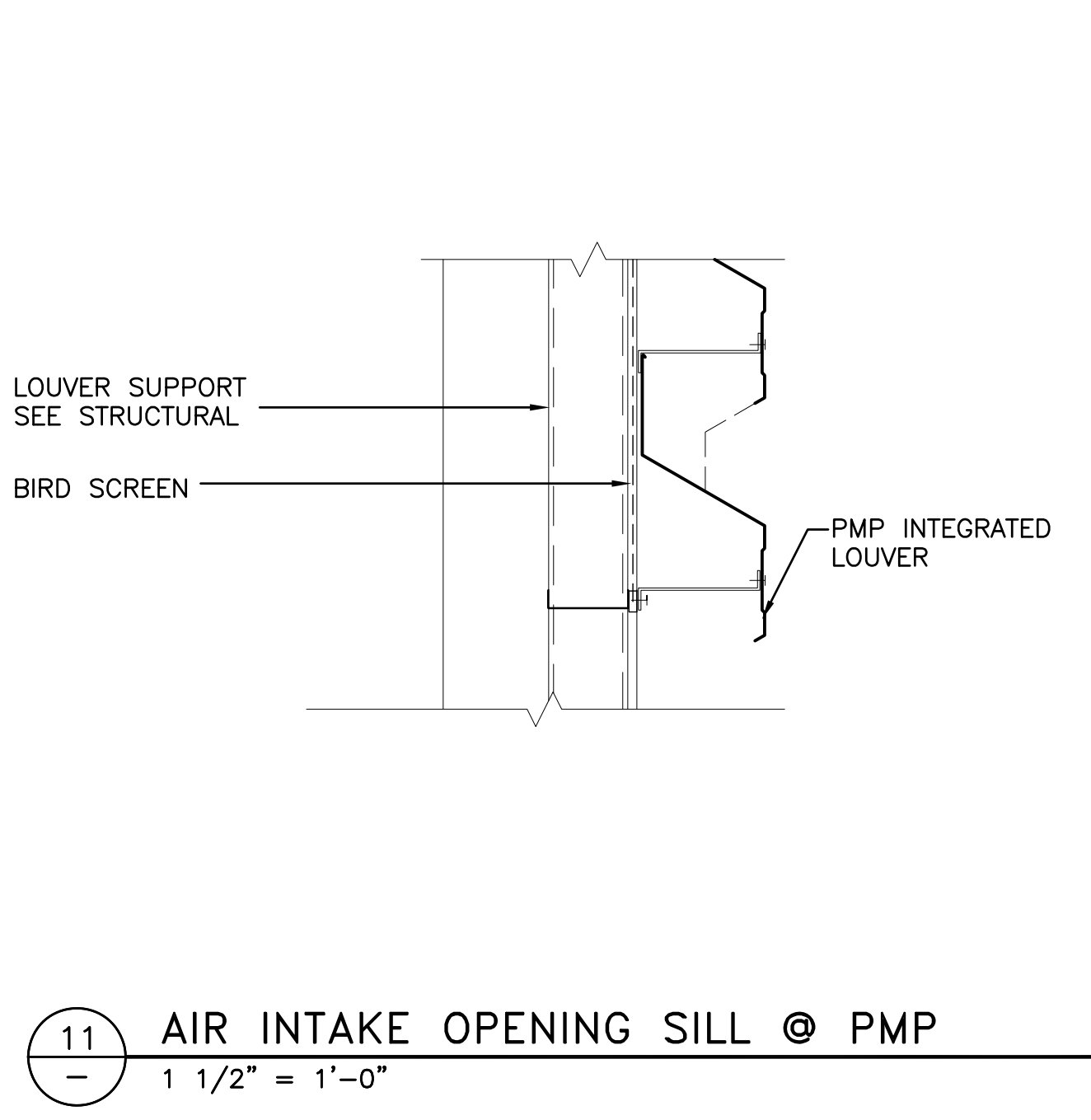
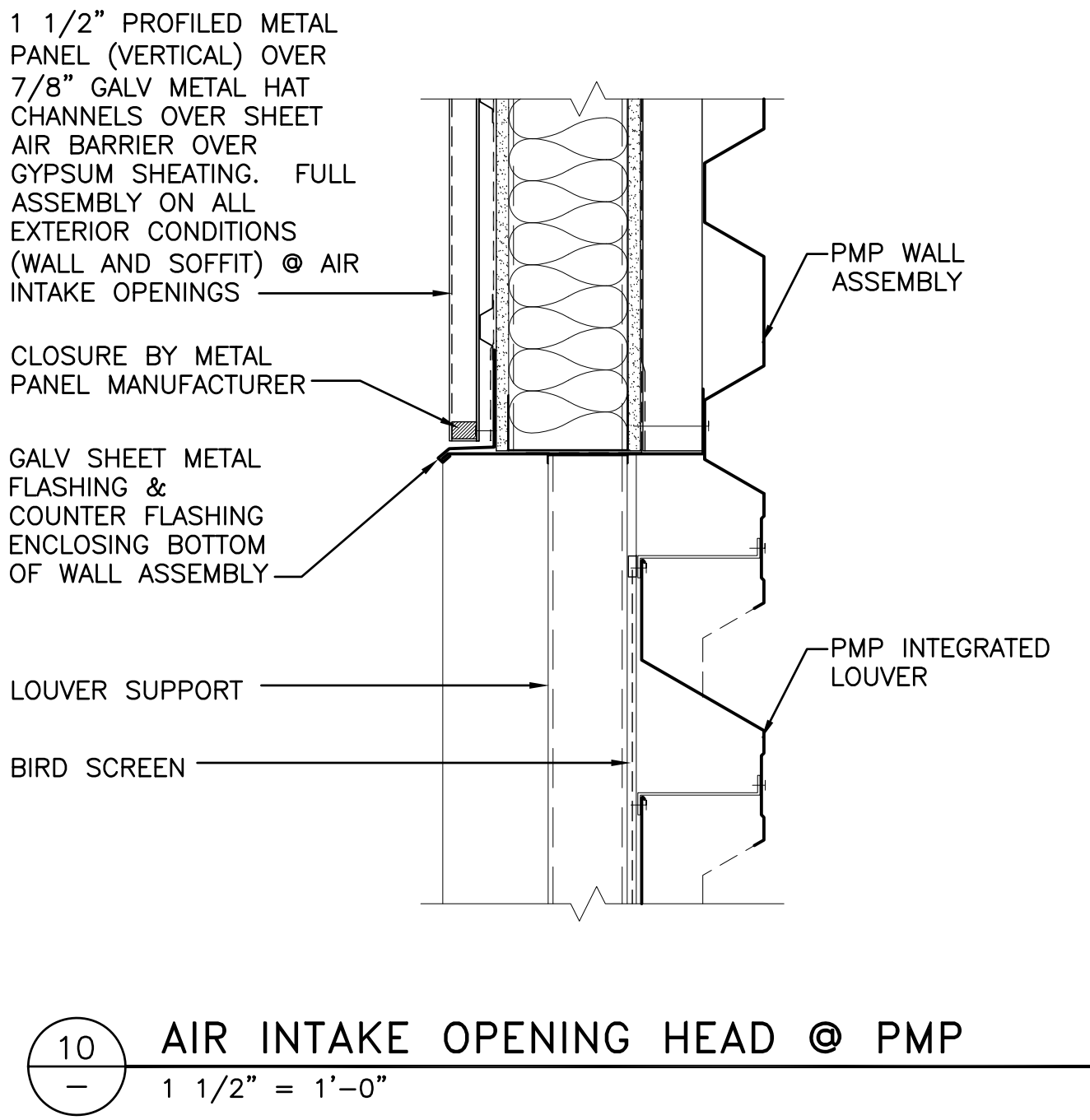
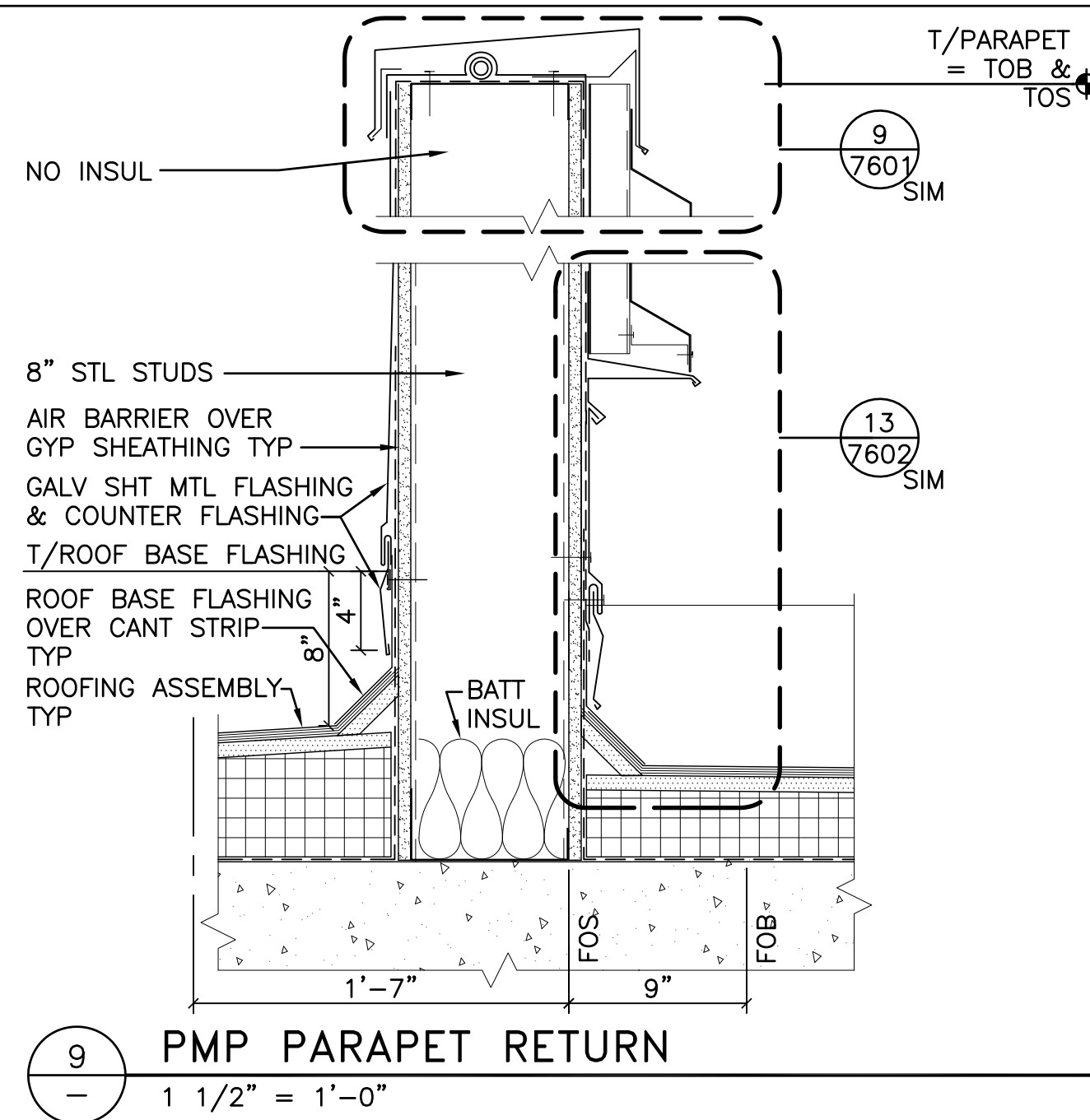
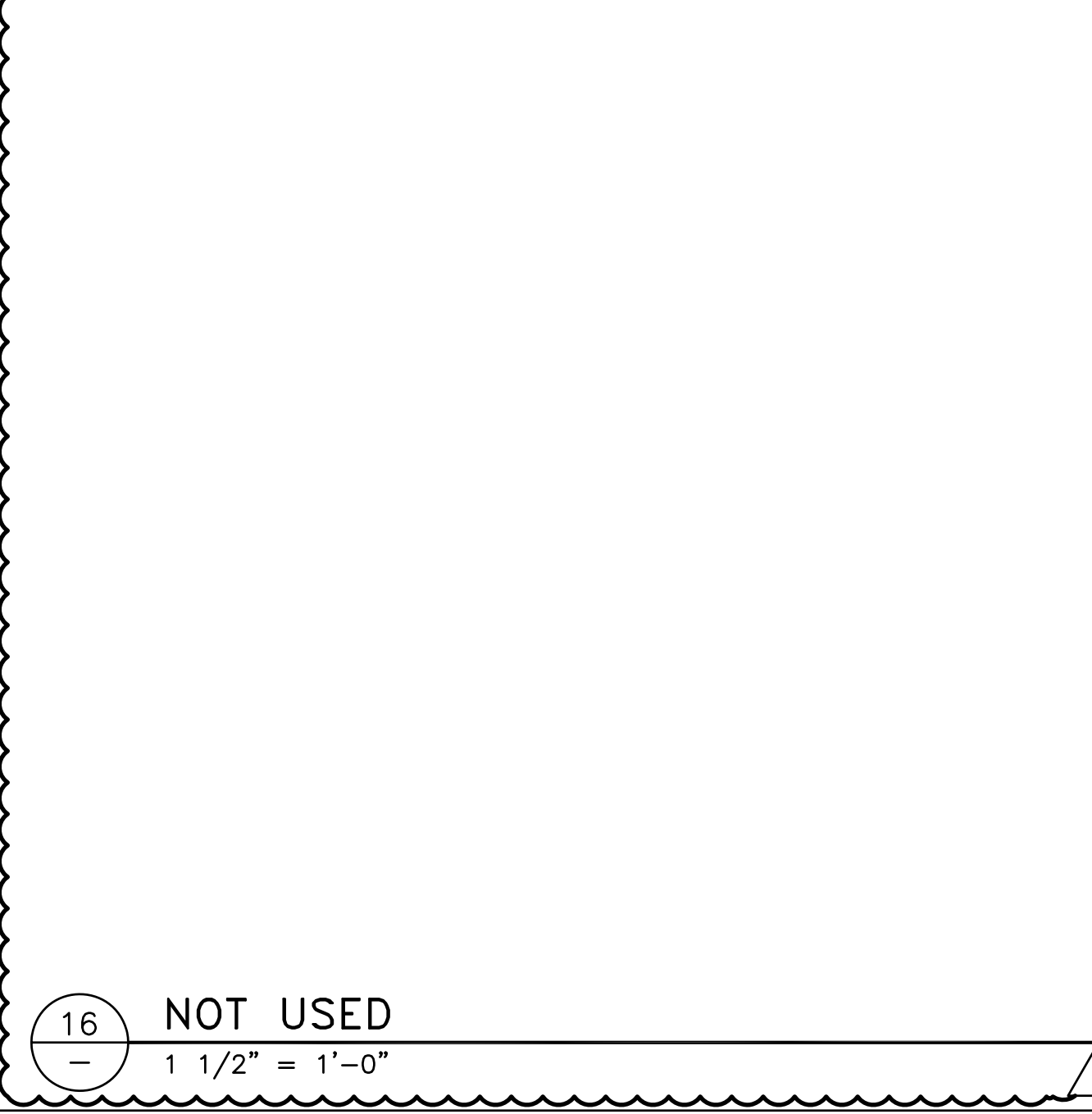
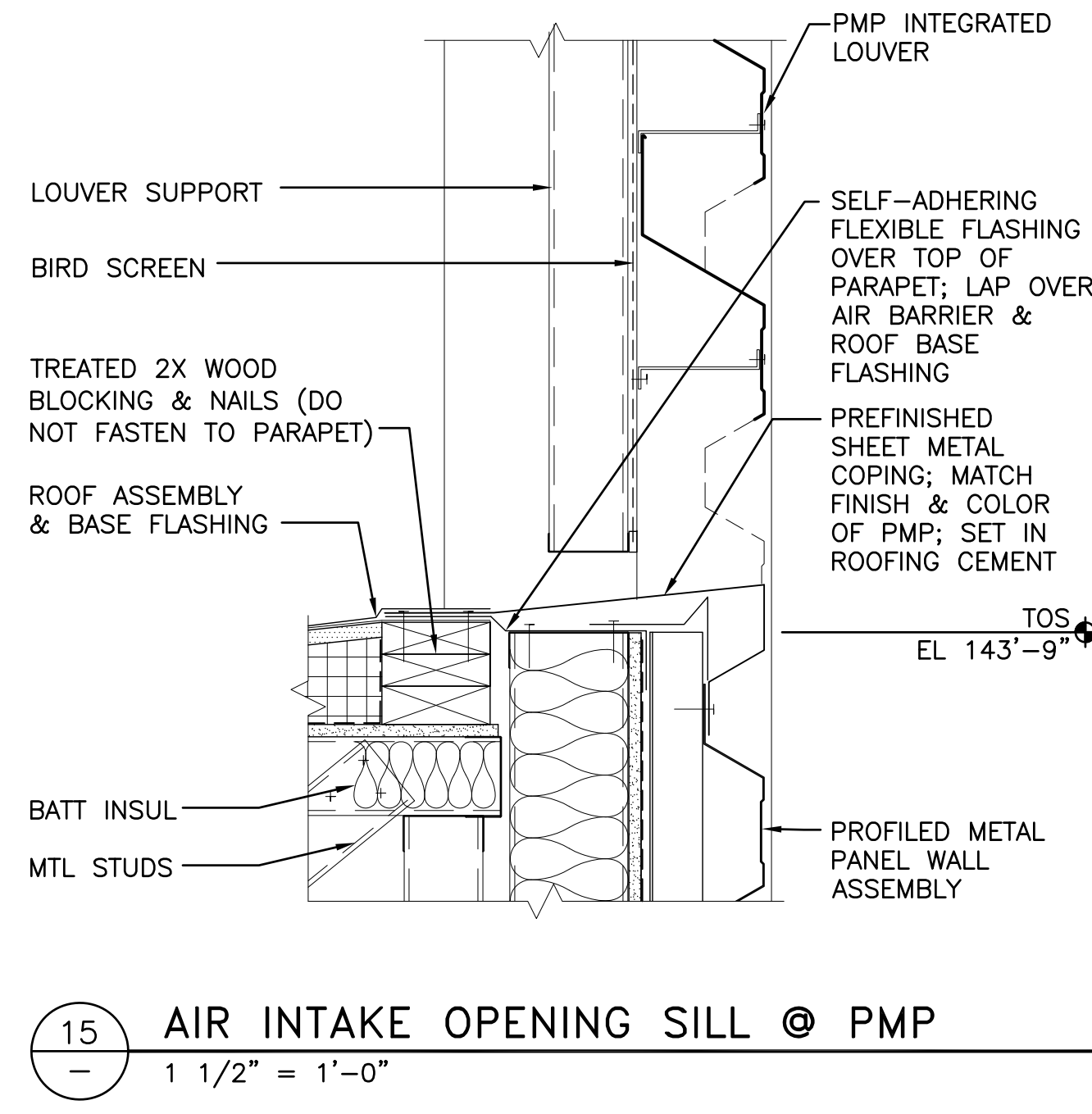
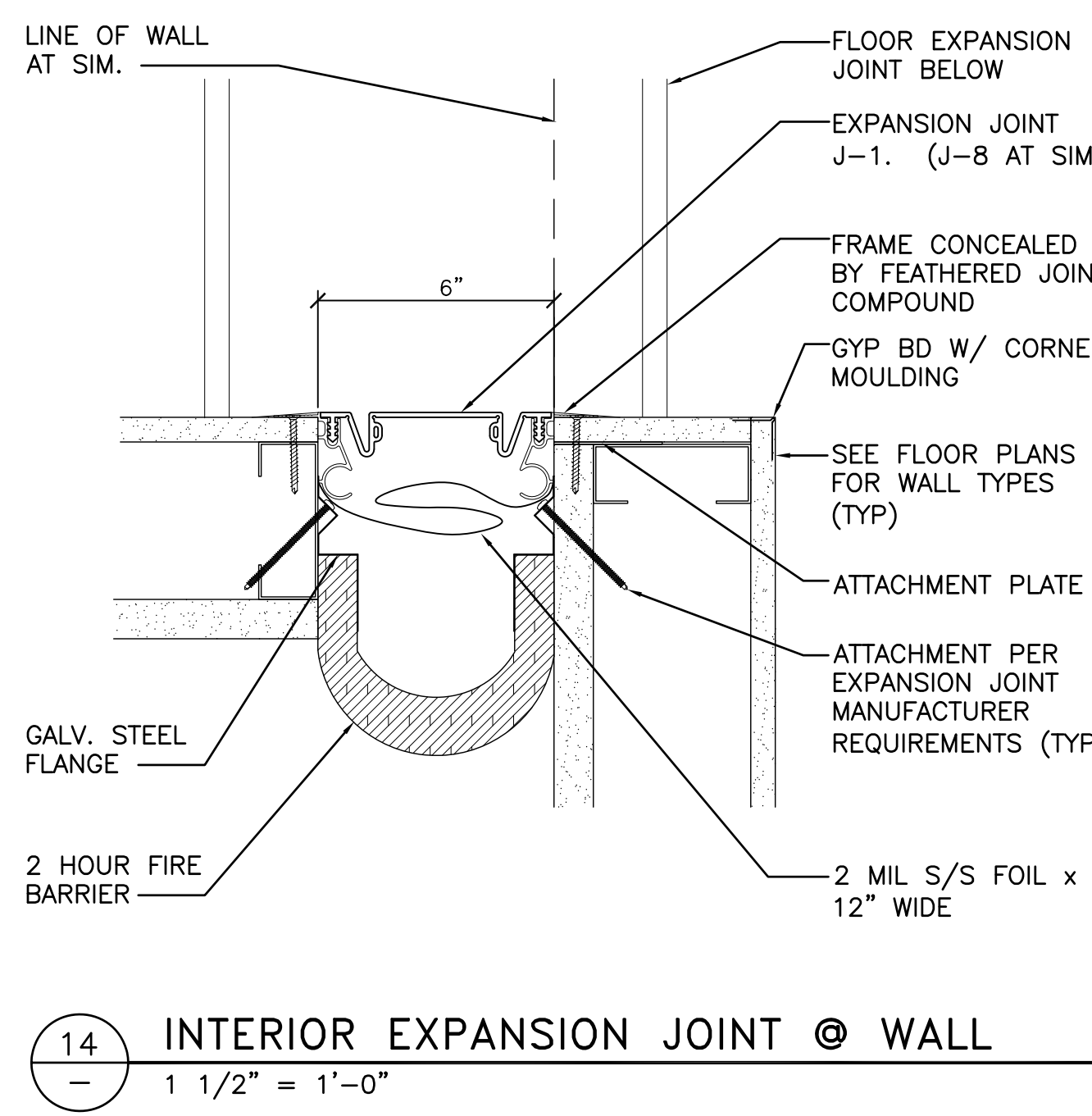
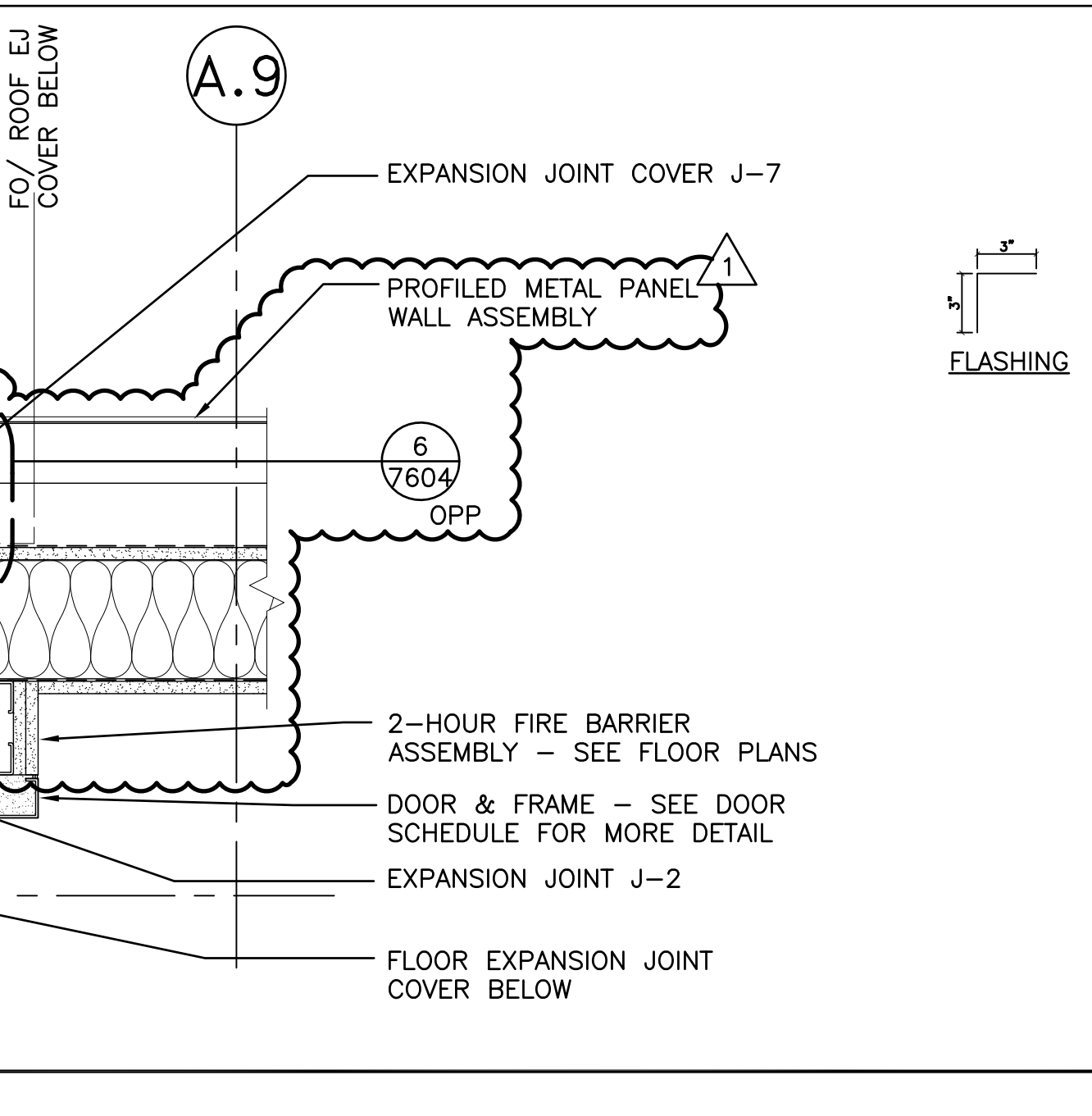
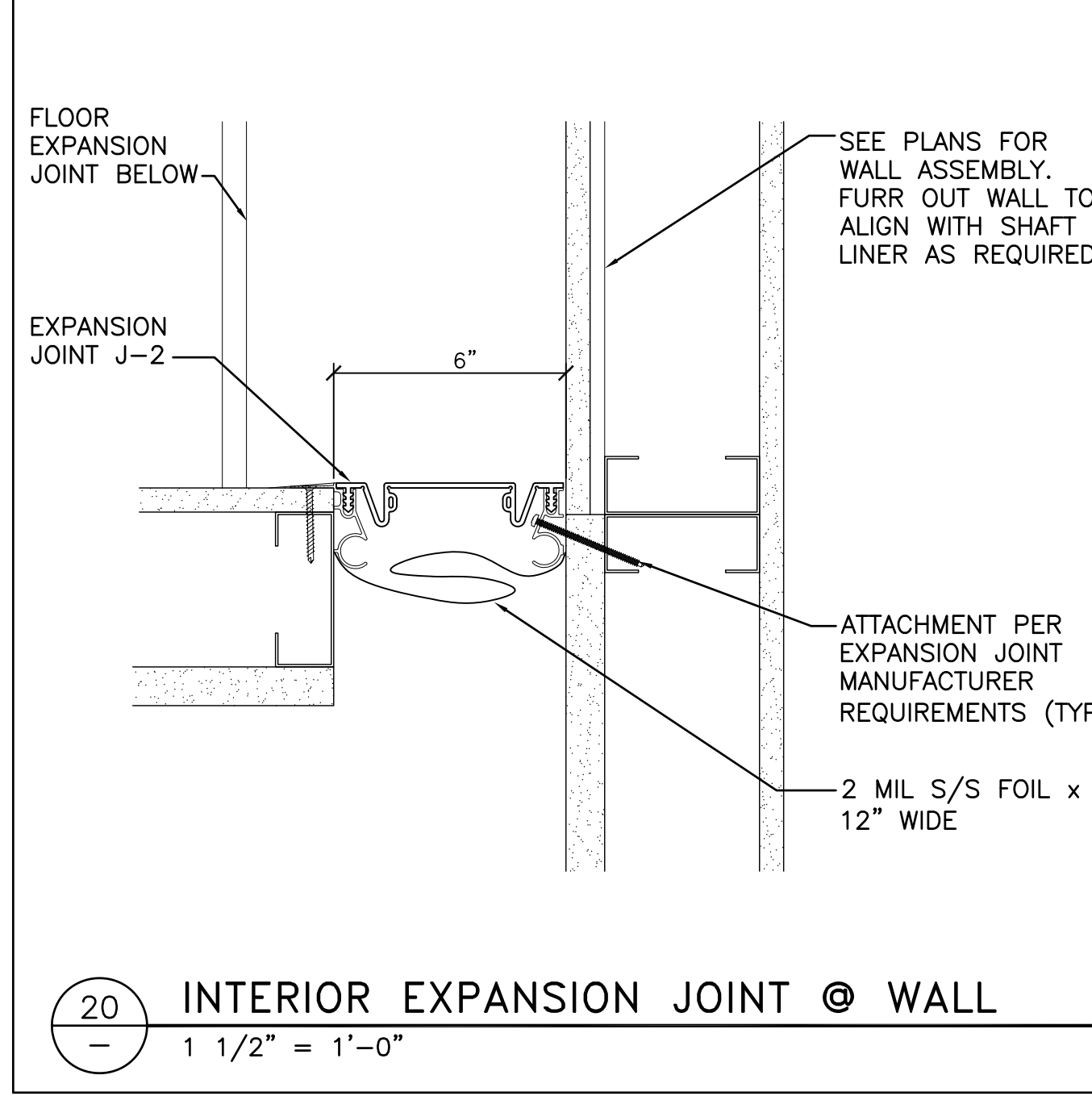
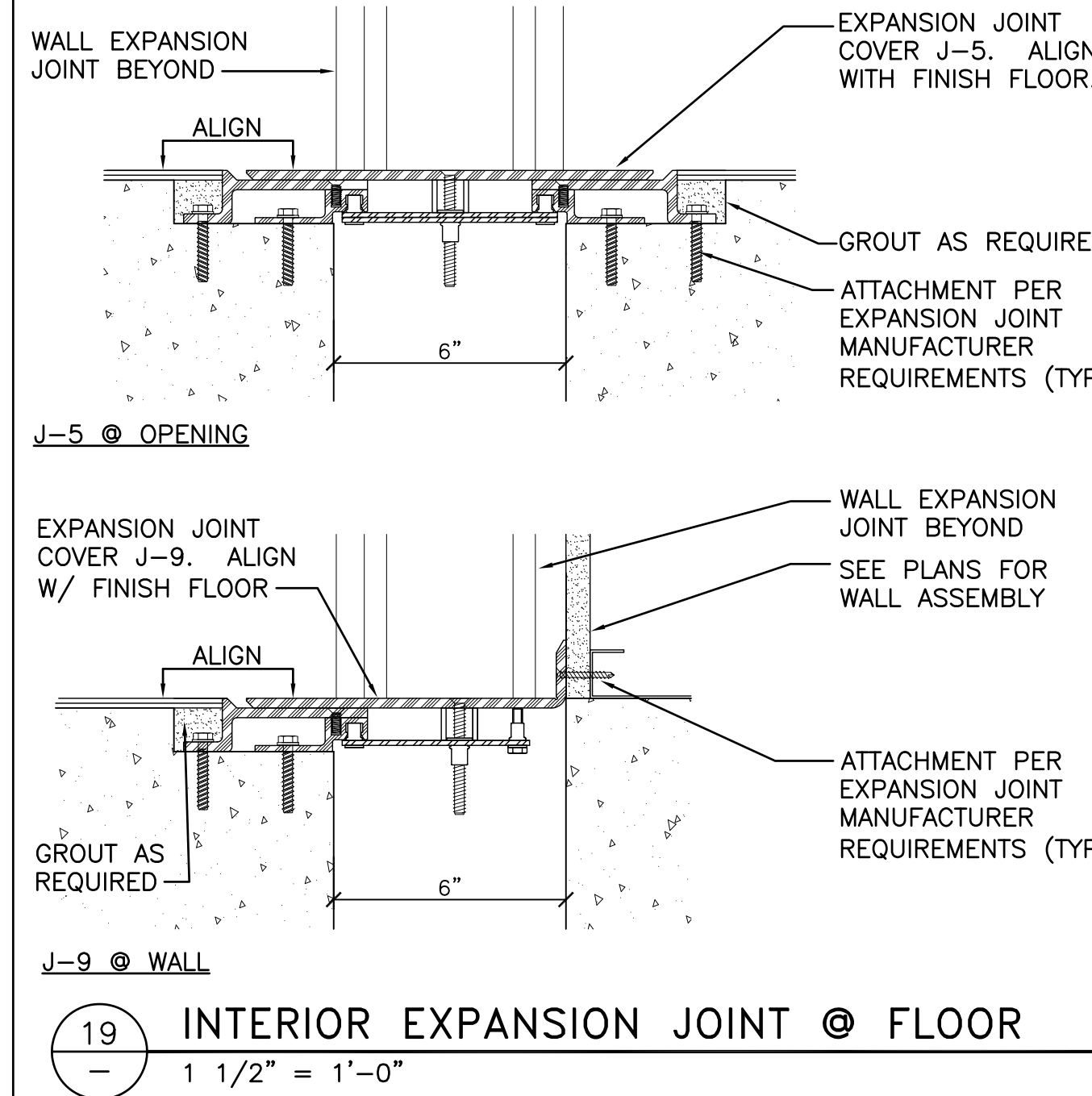
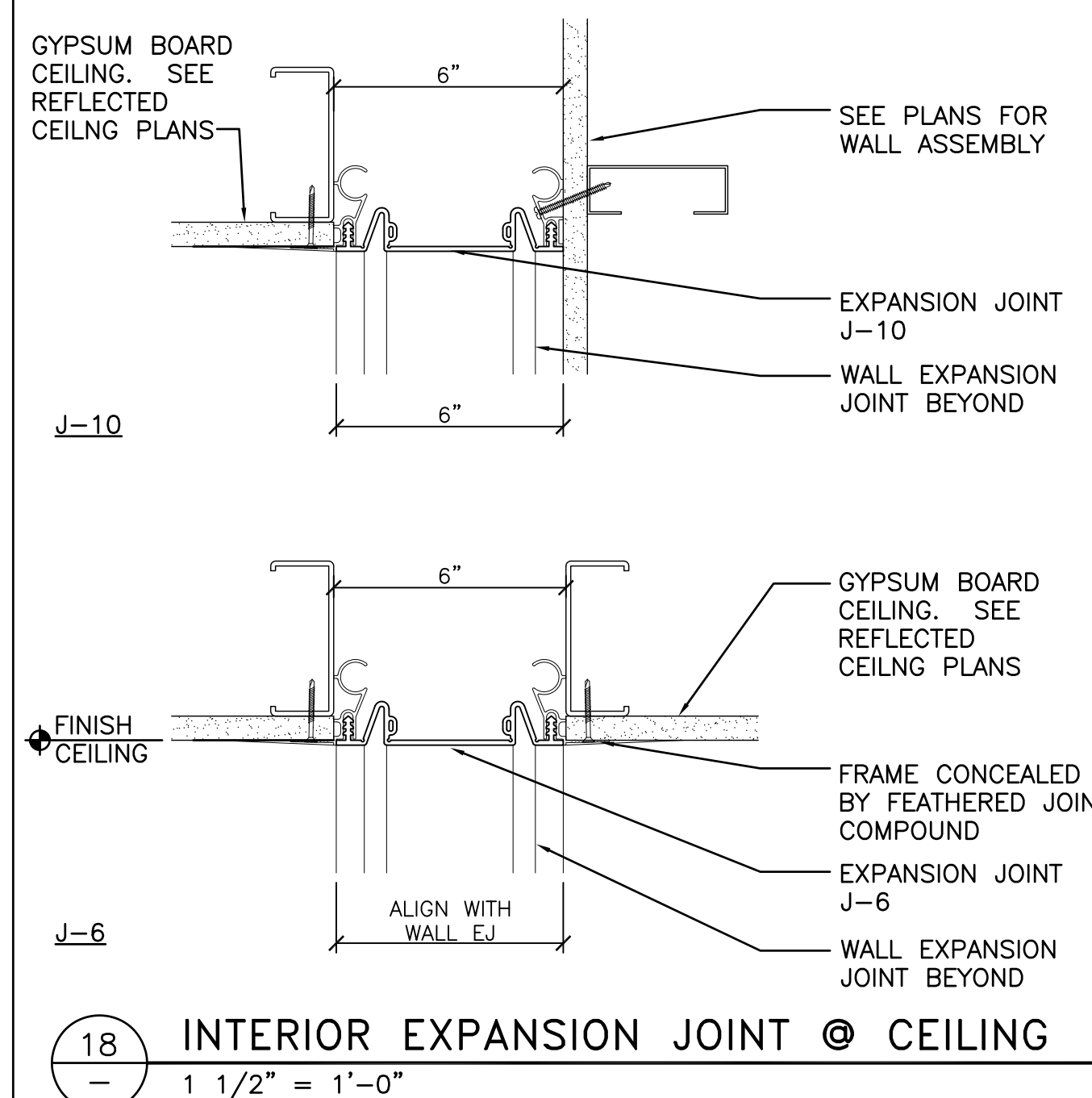
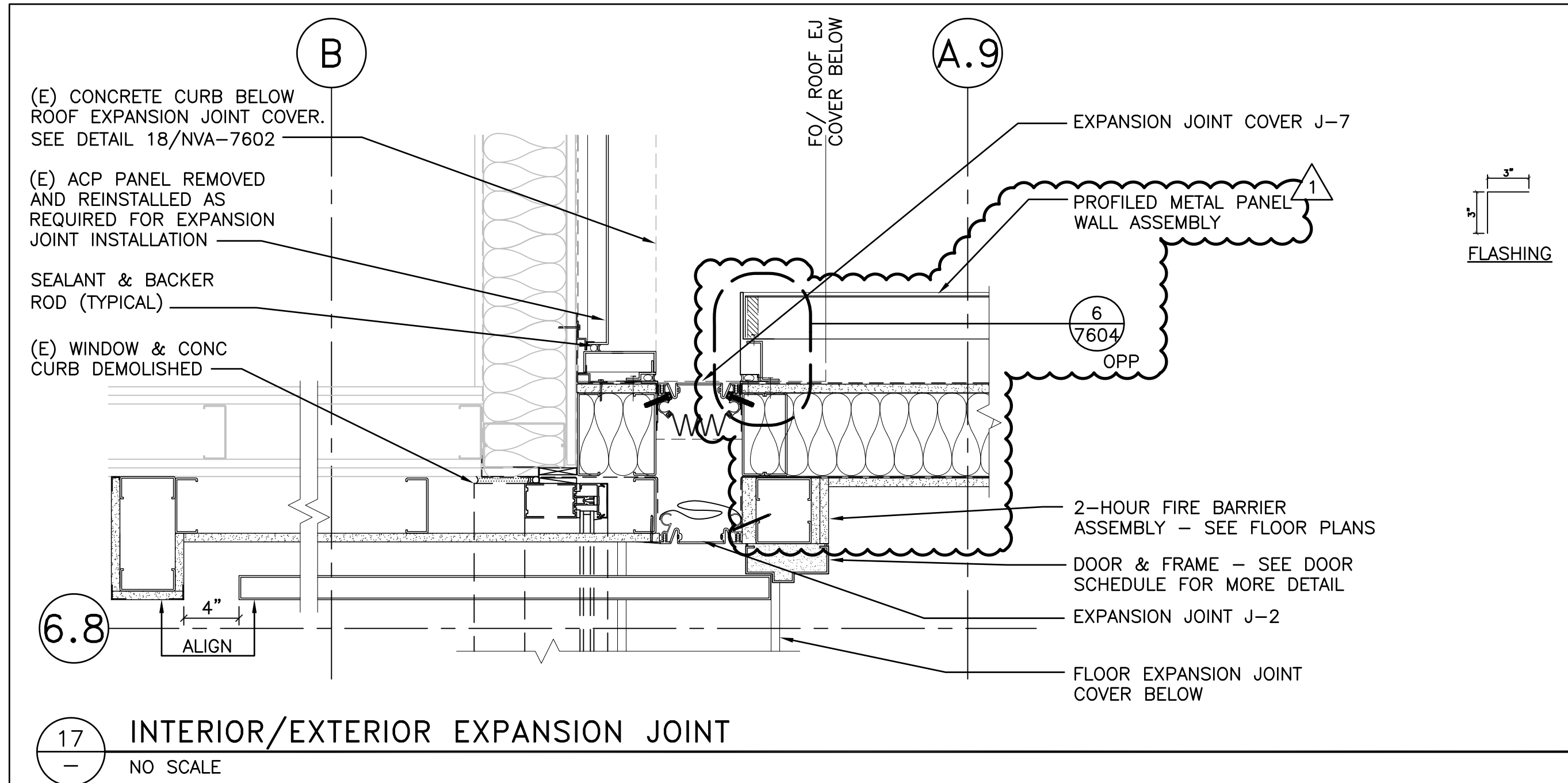
KEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION

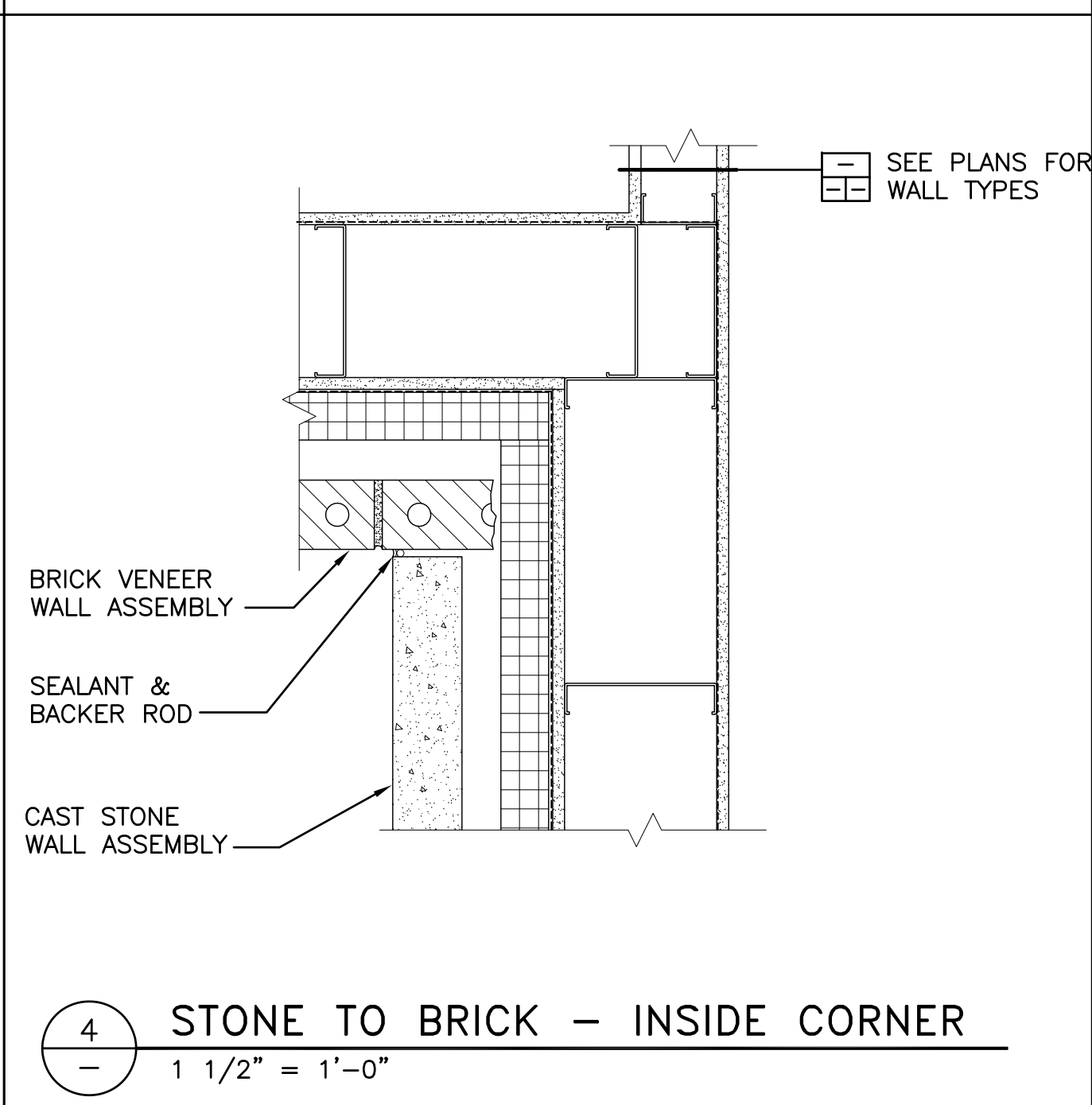
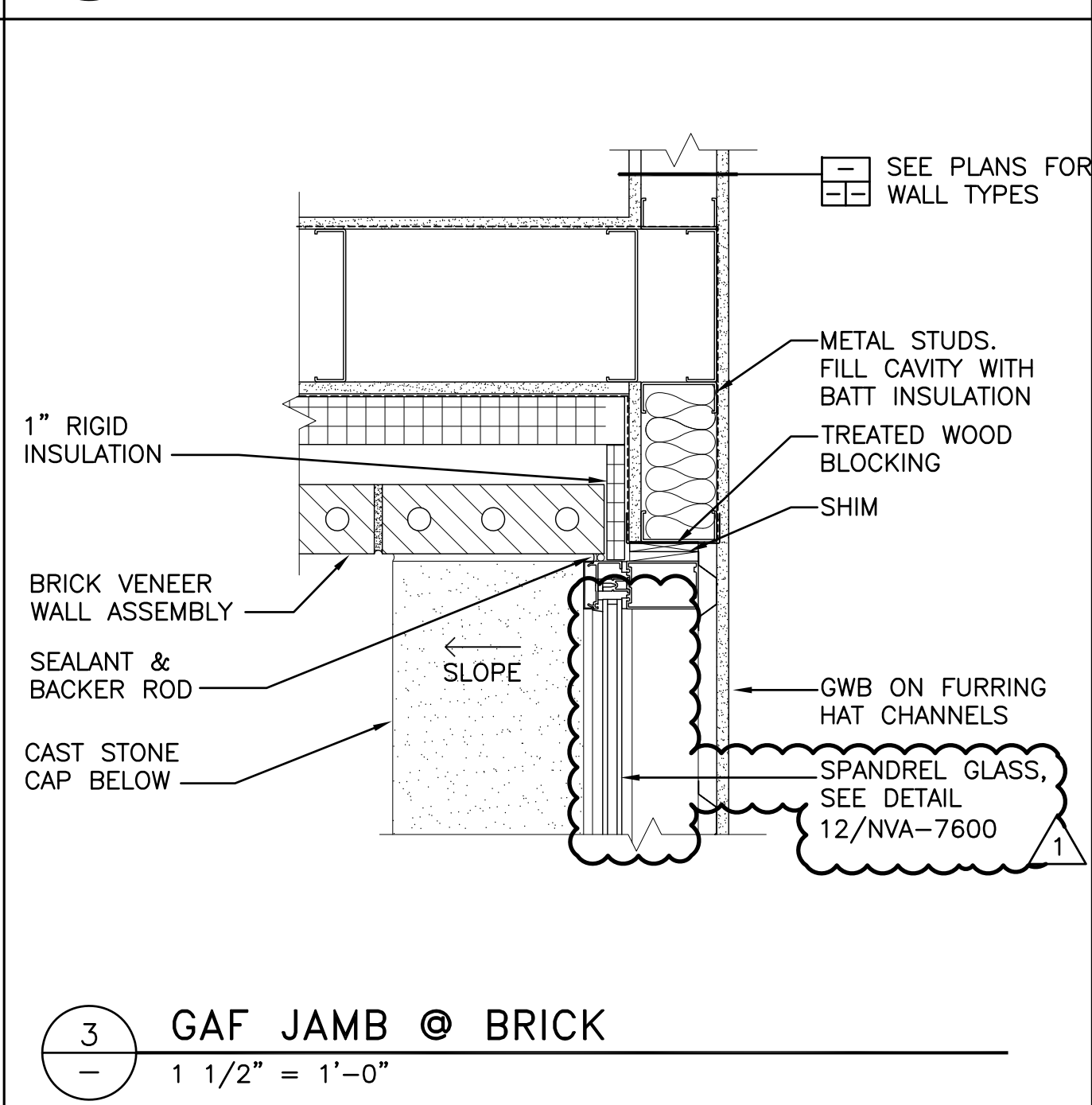
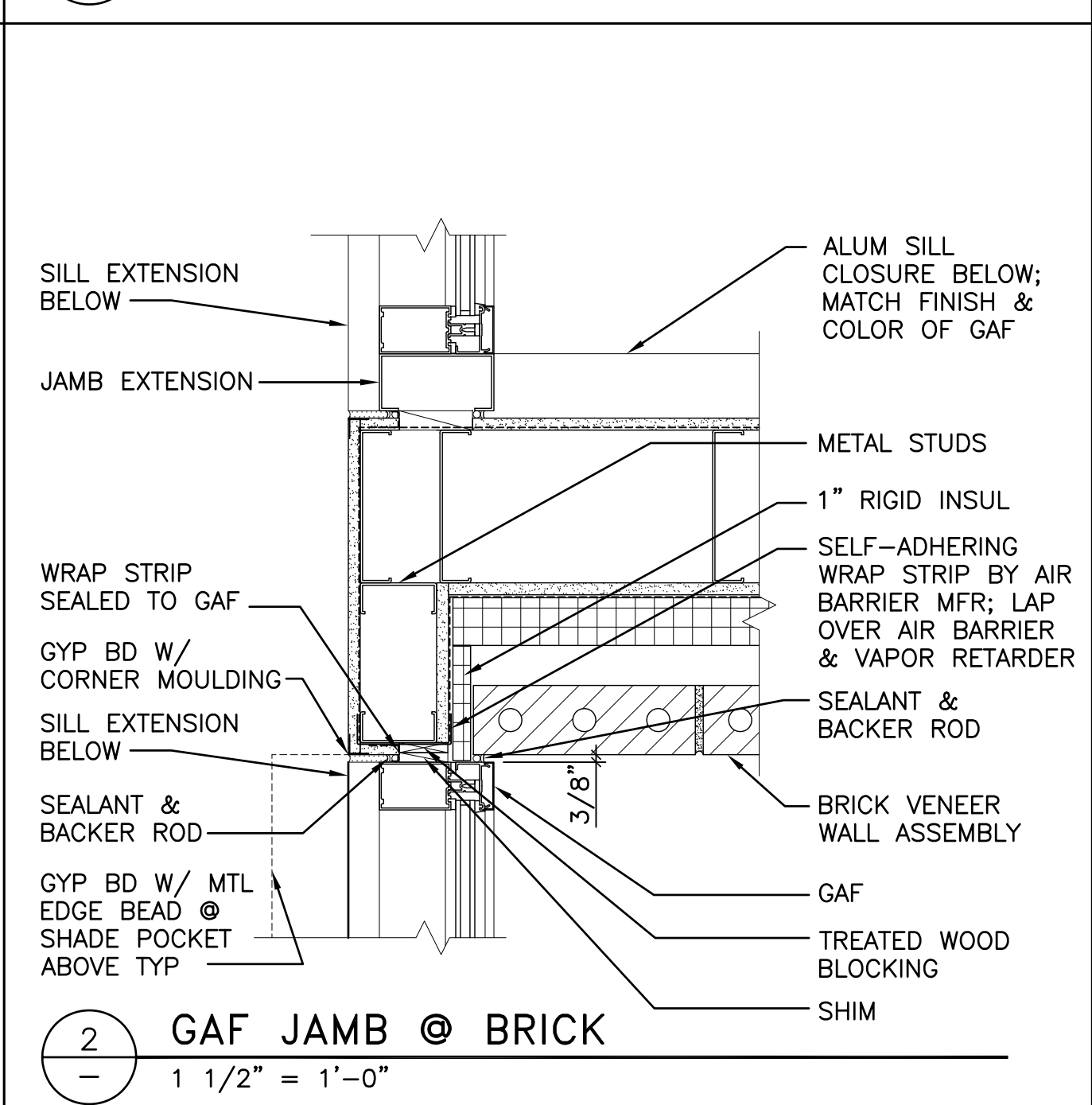
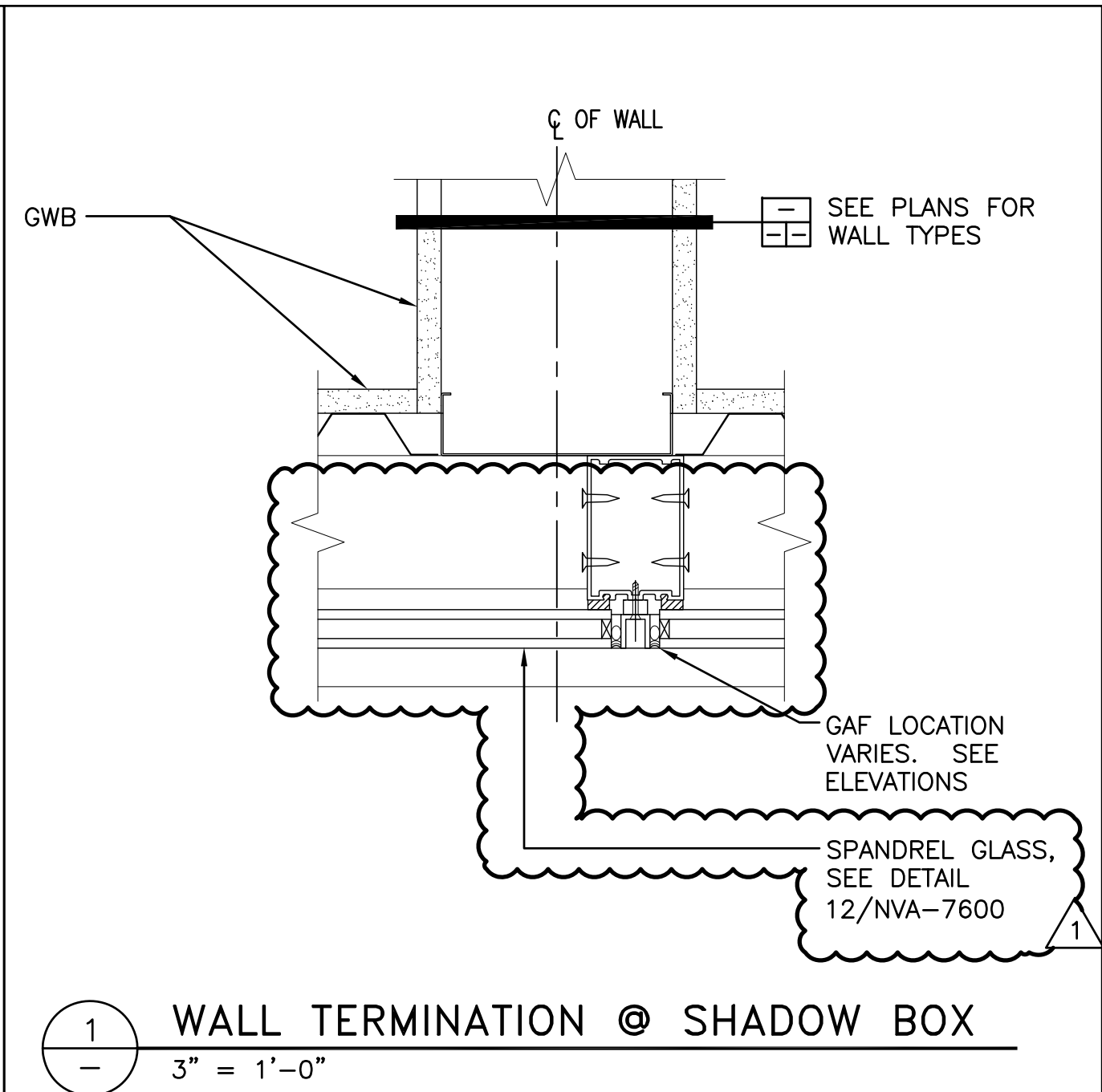
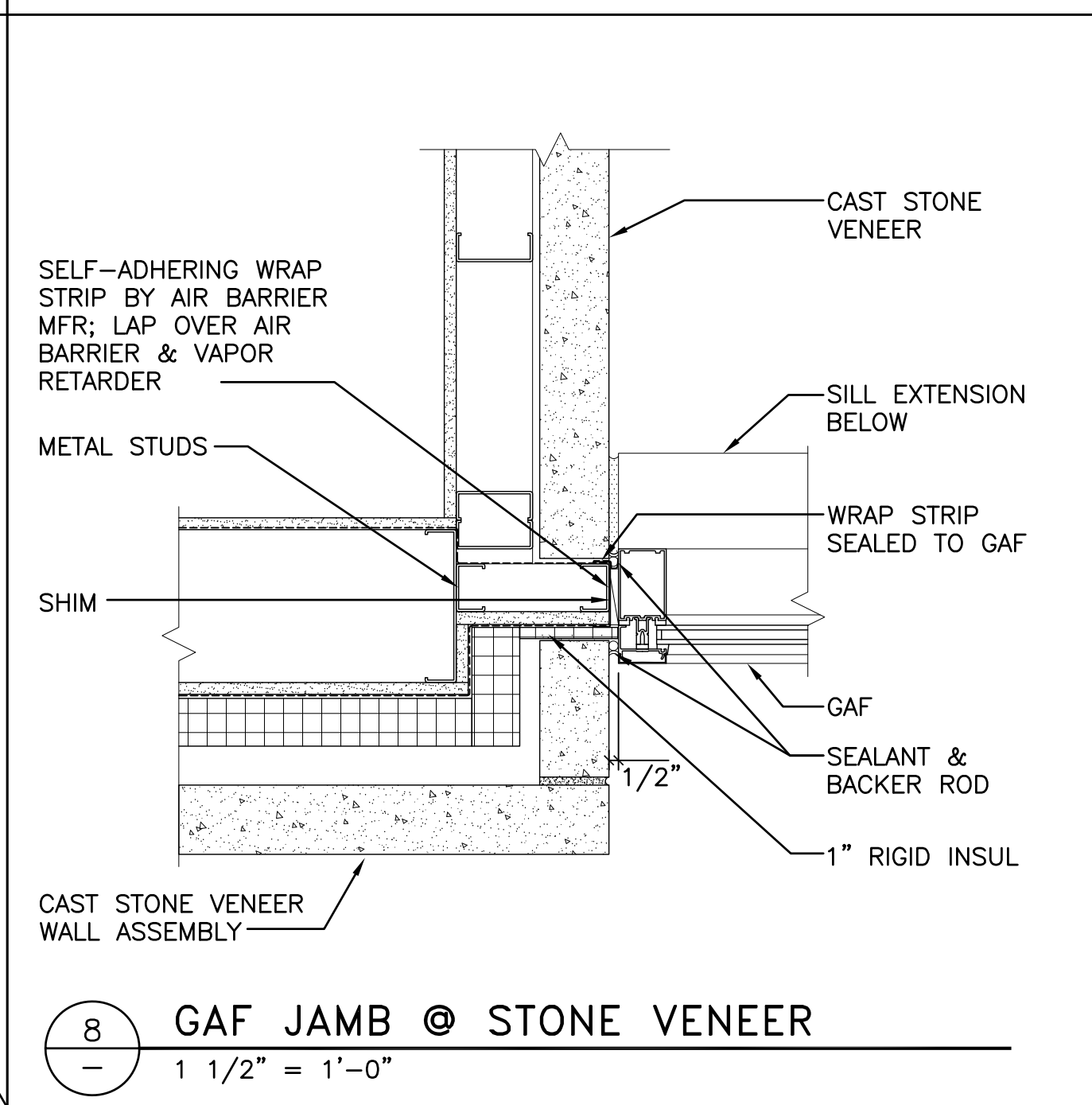
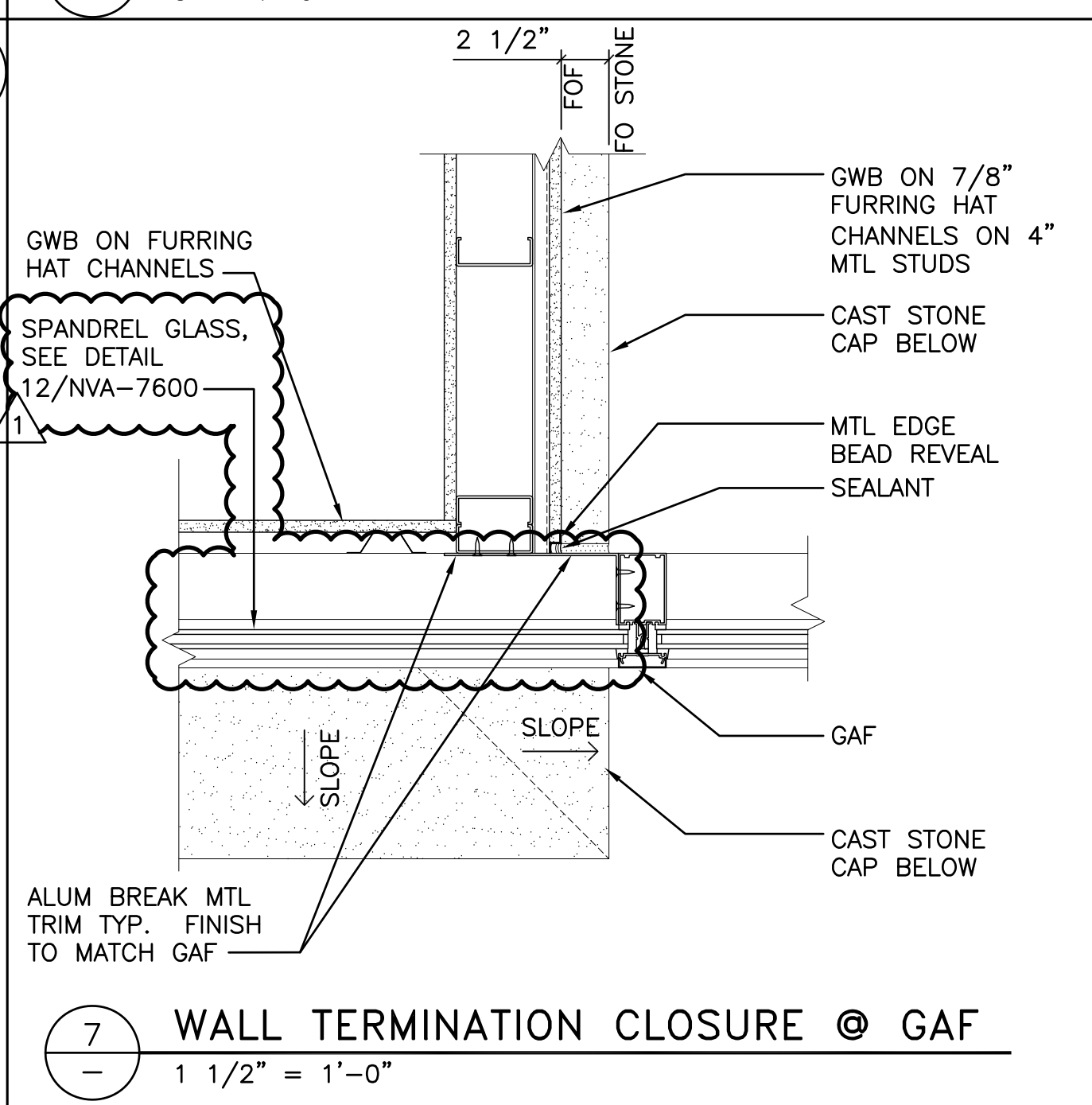
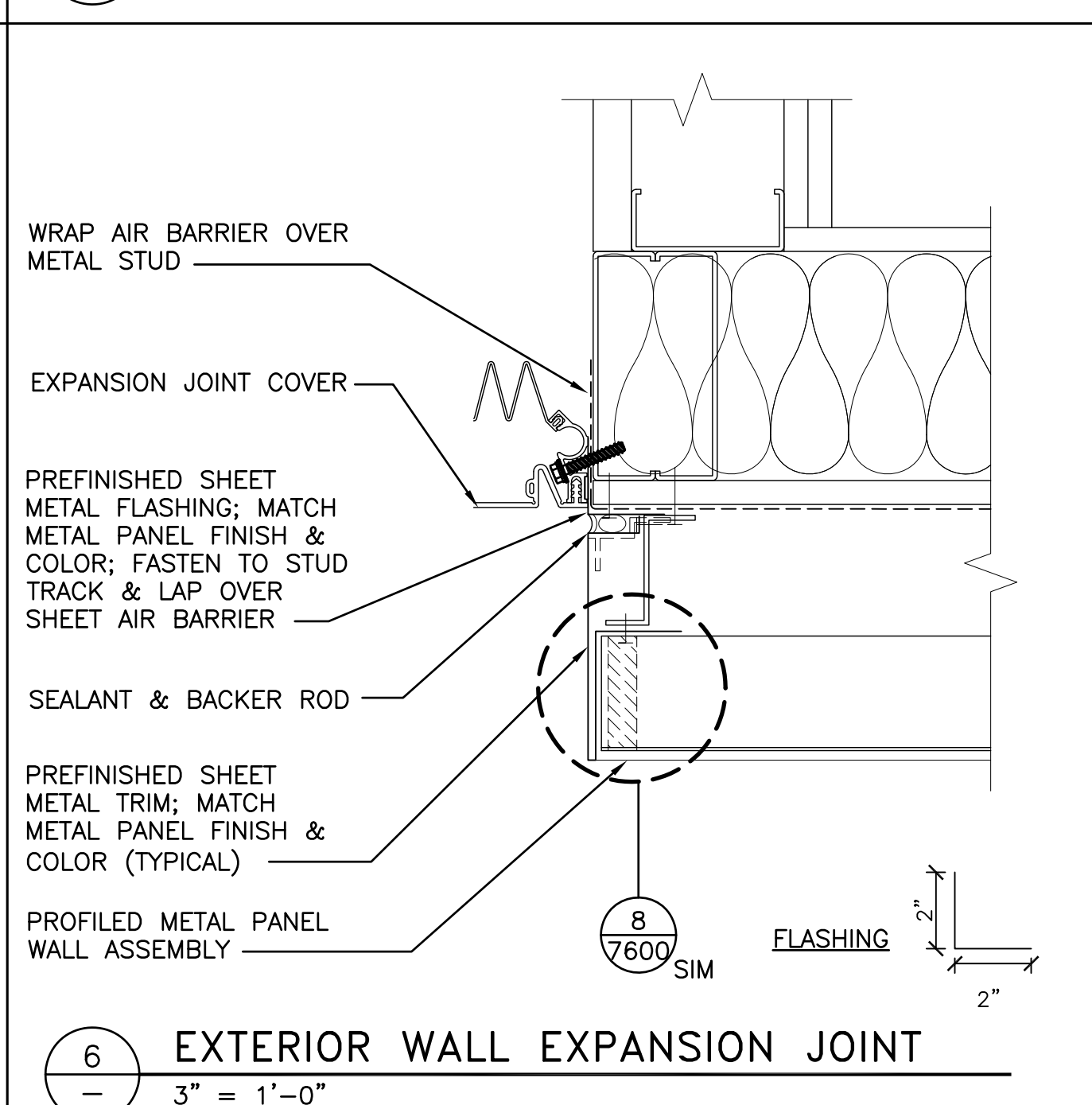
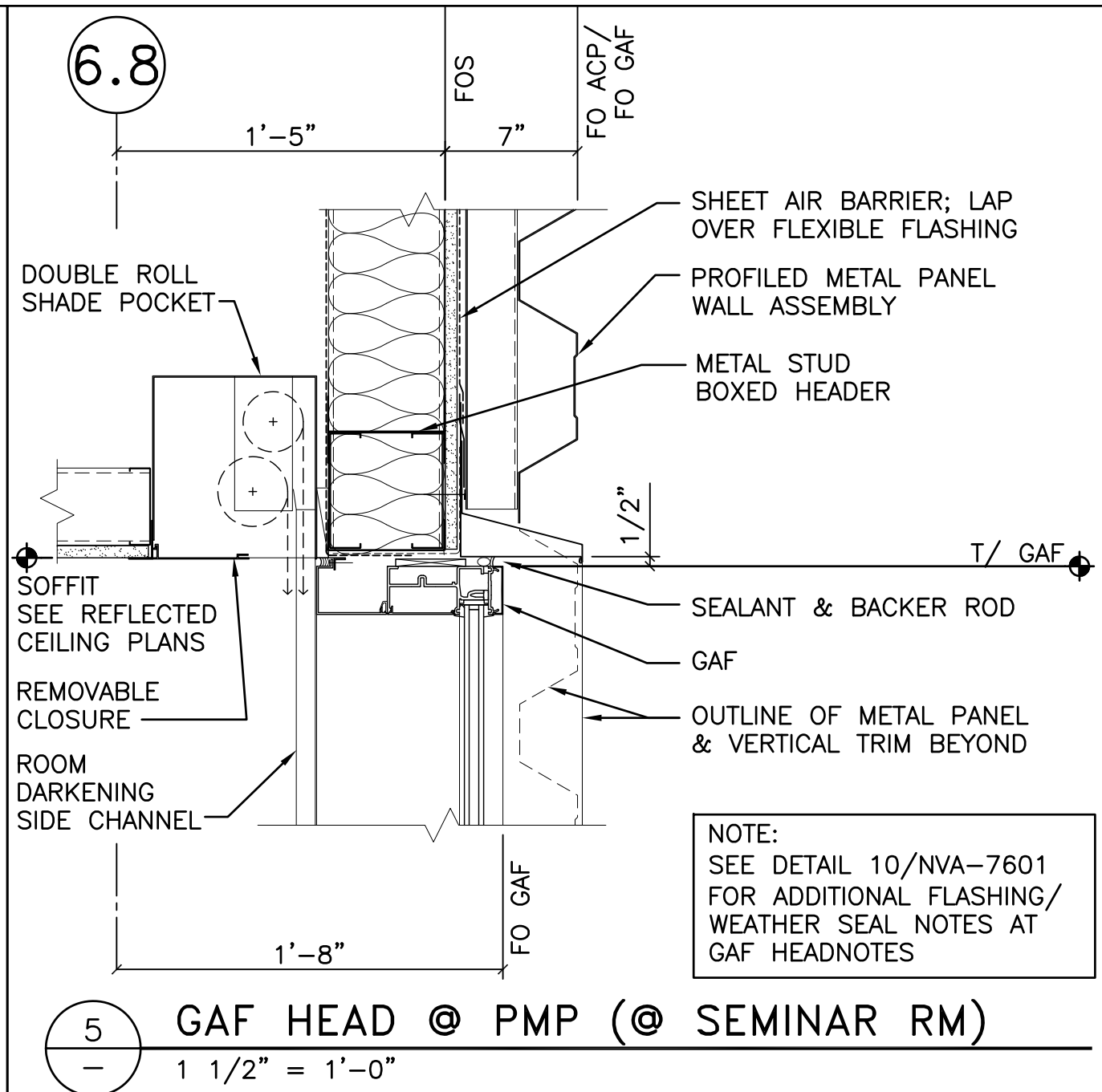
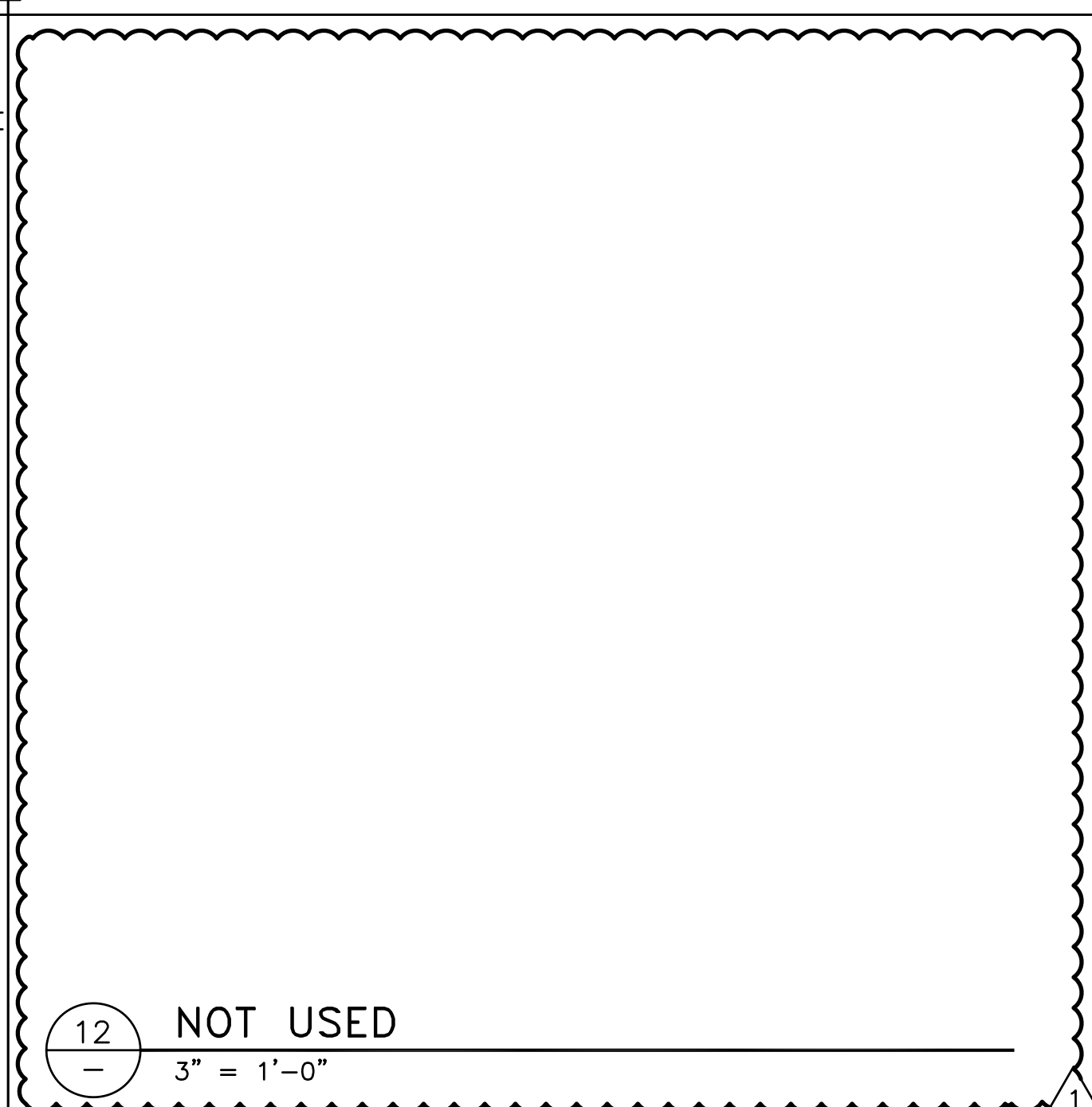
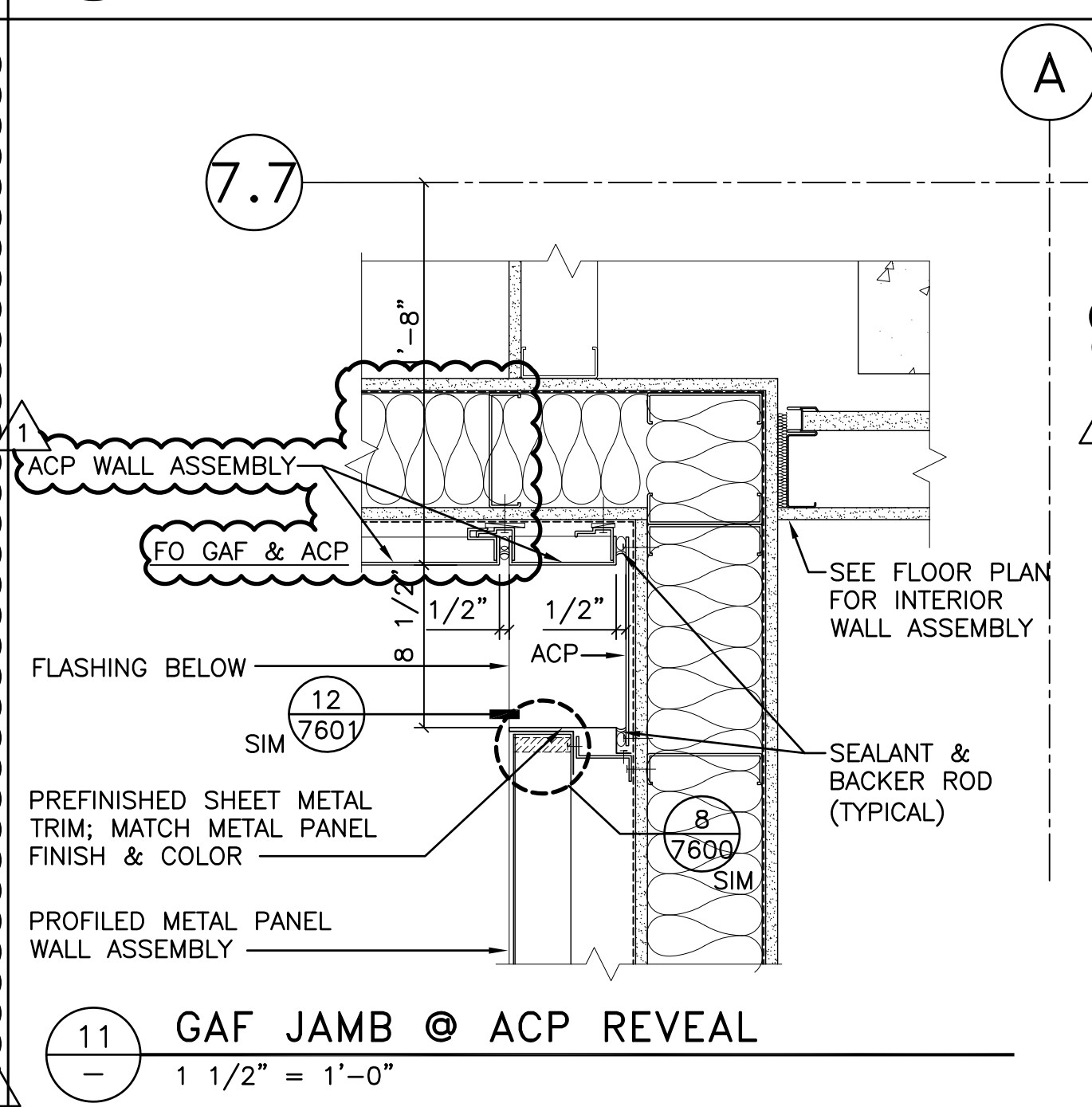
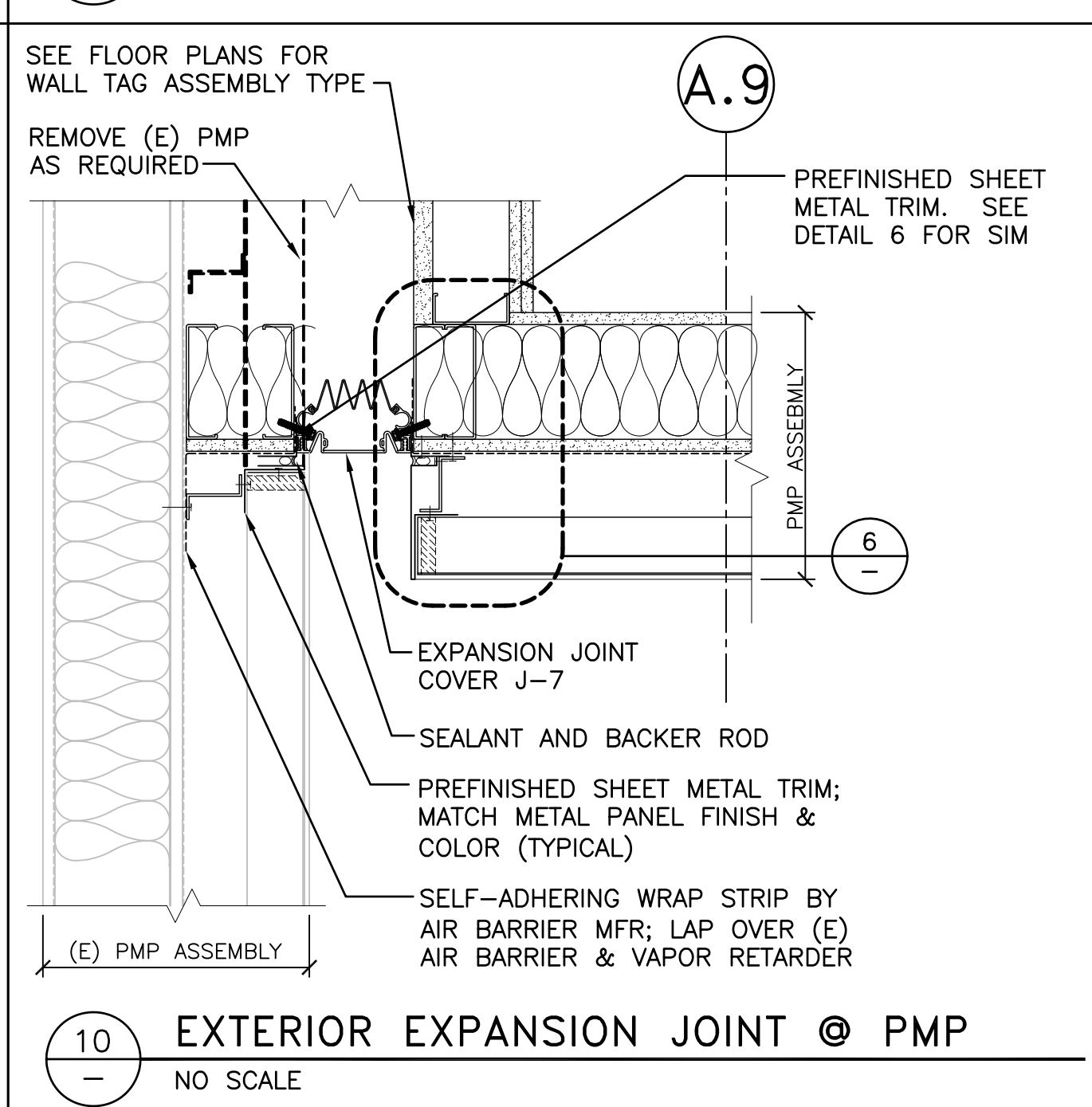
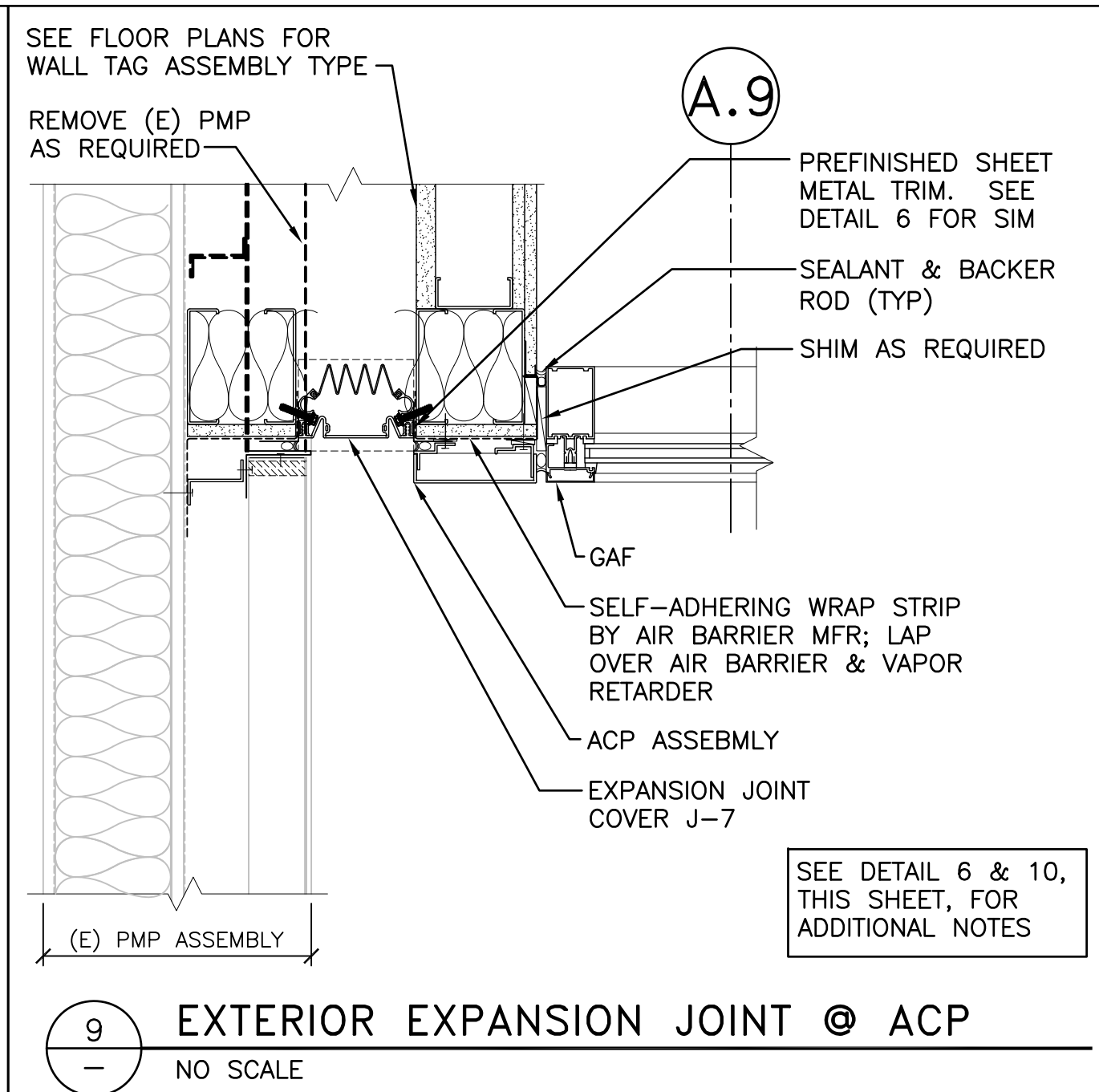
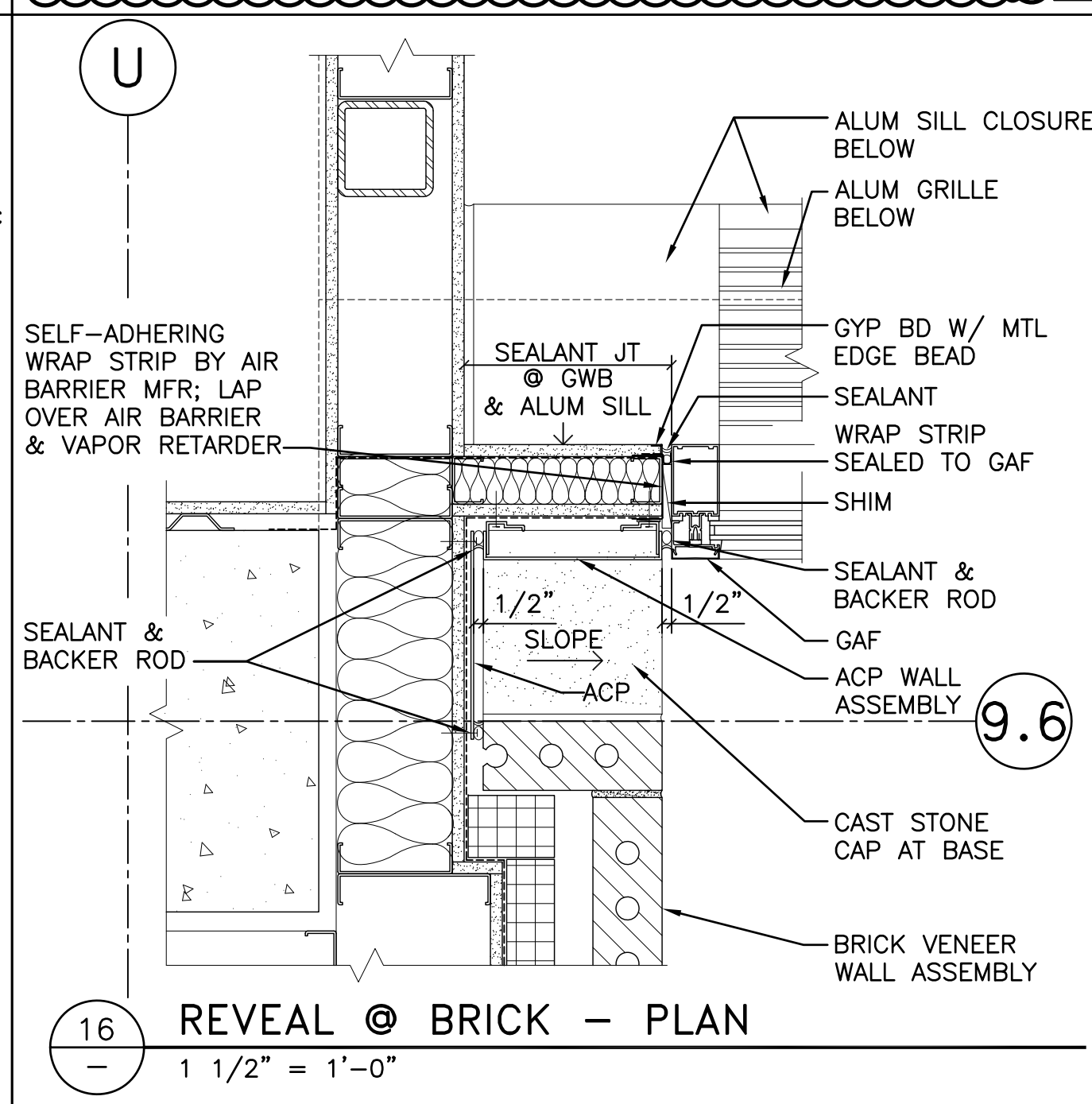
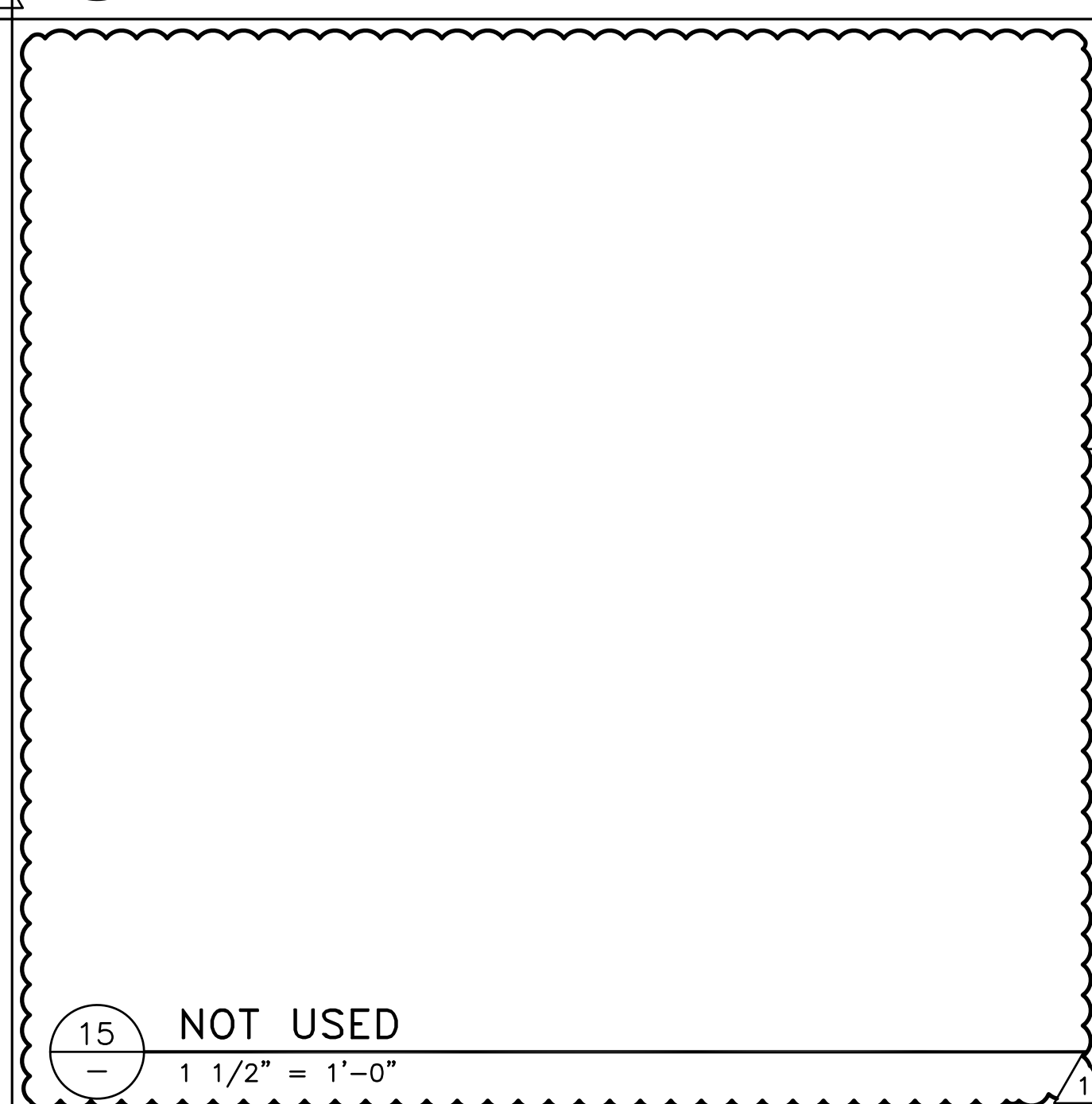
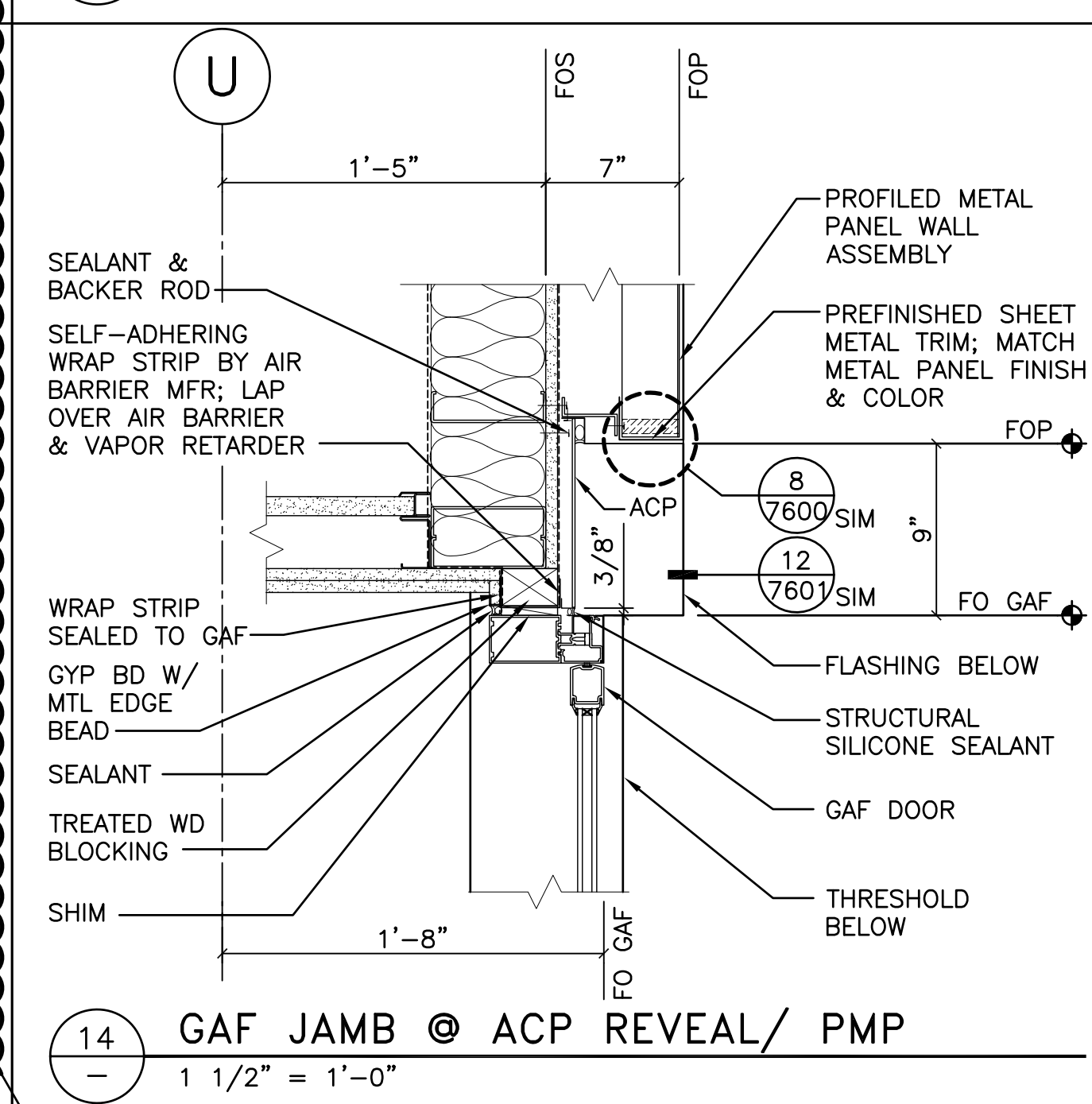
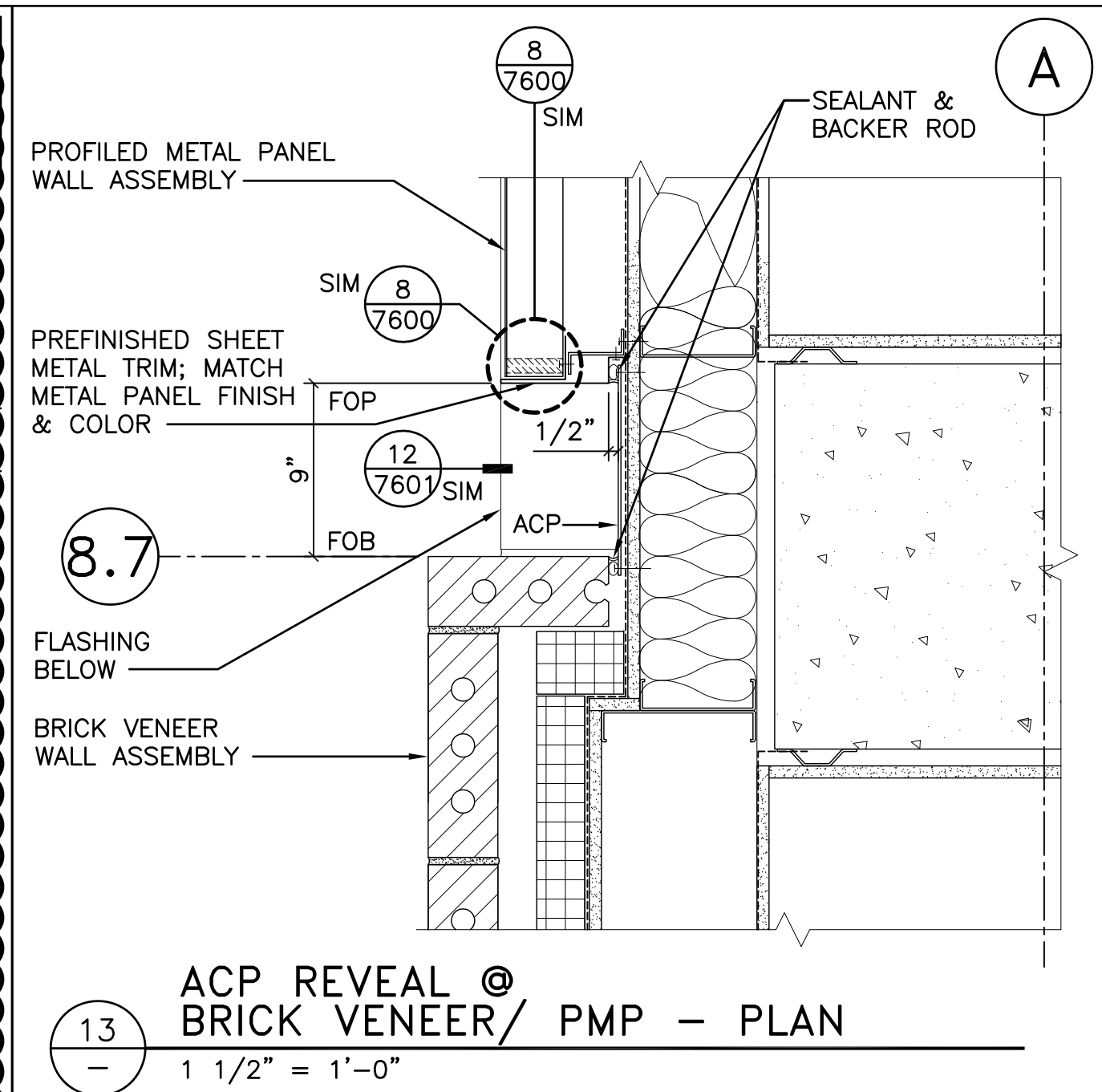
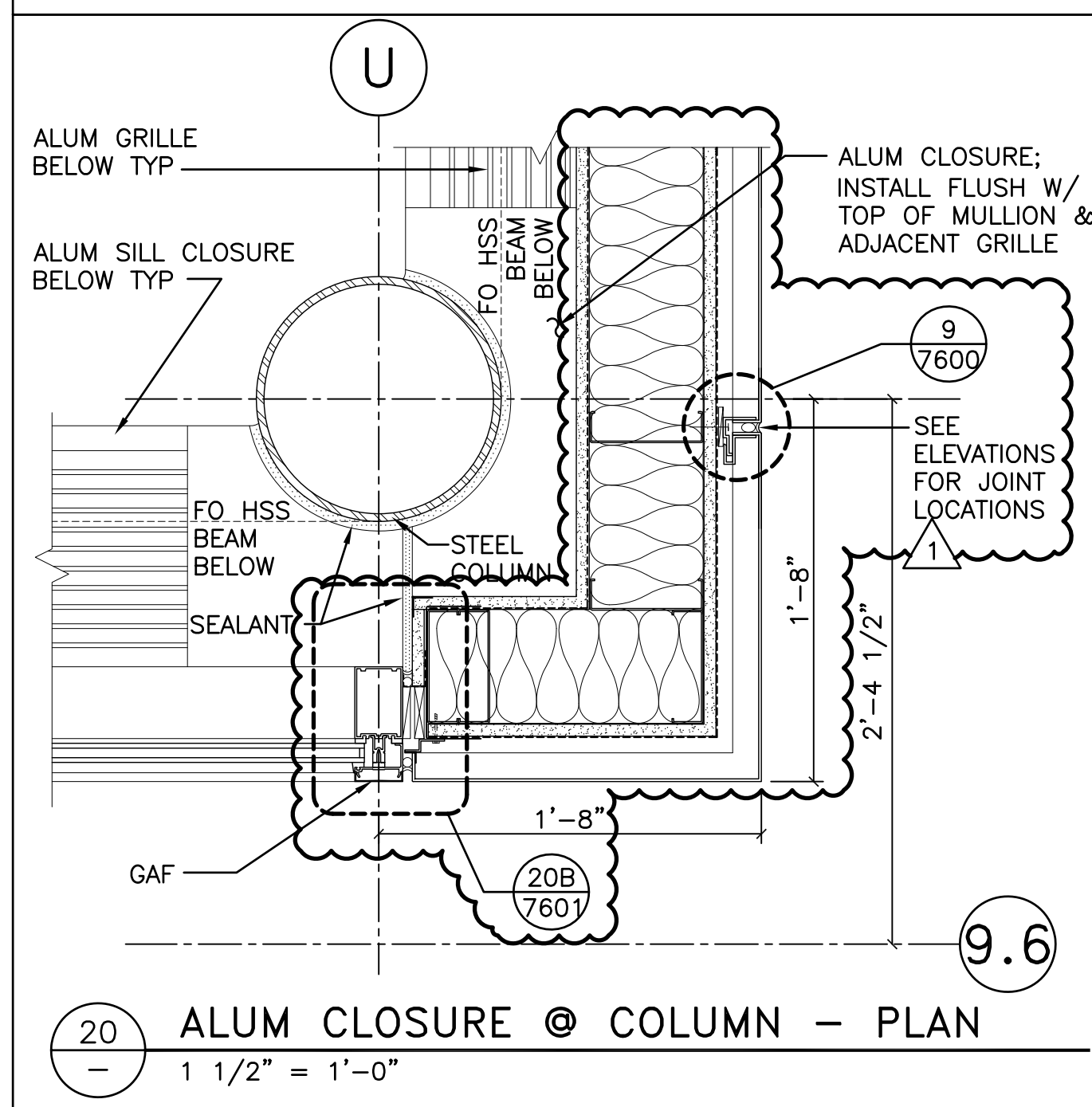
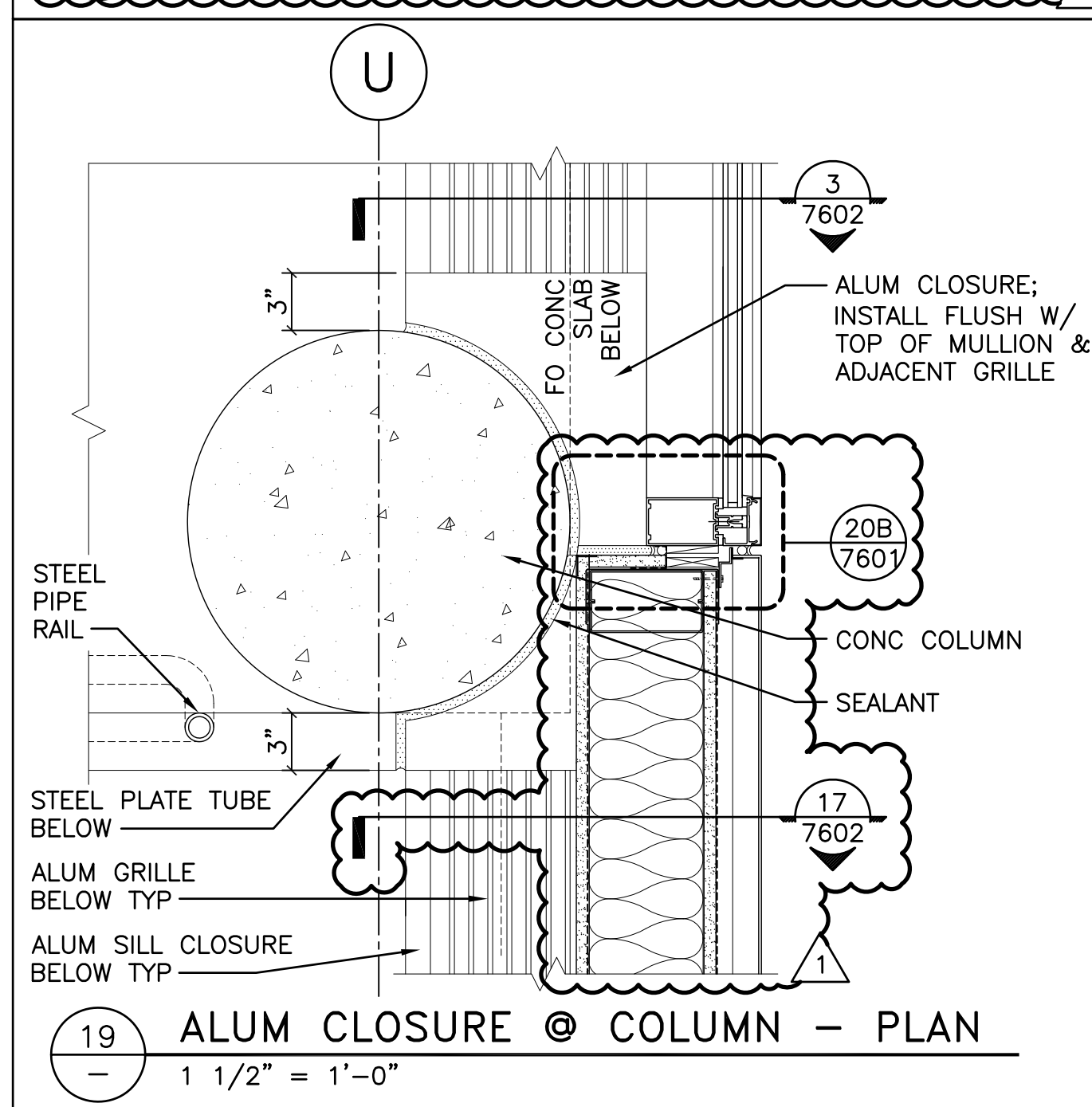
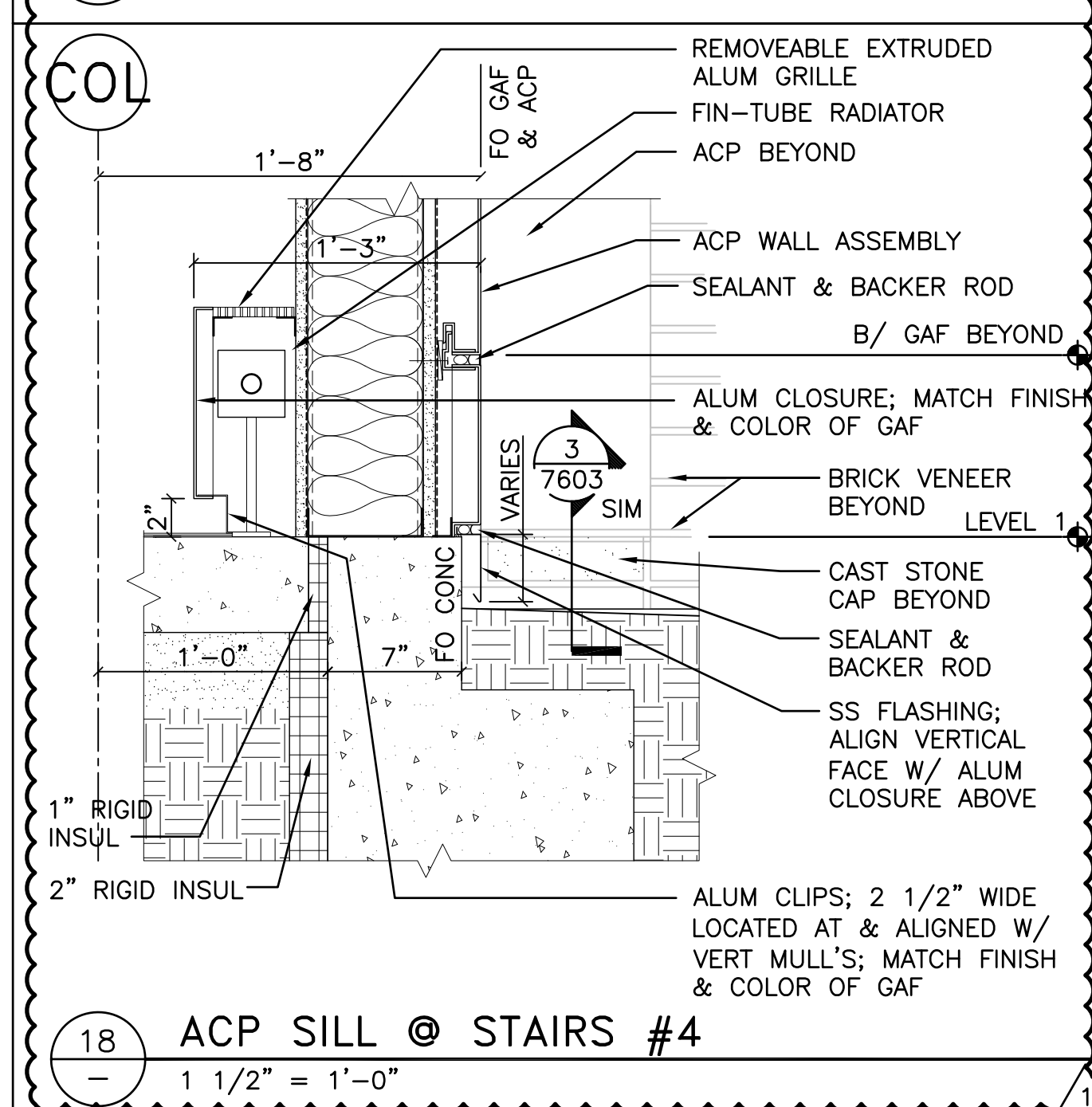
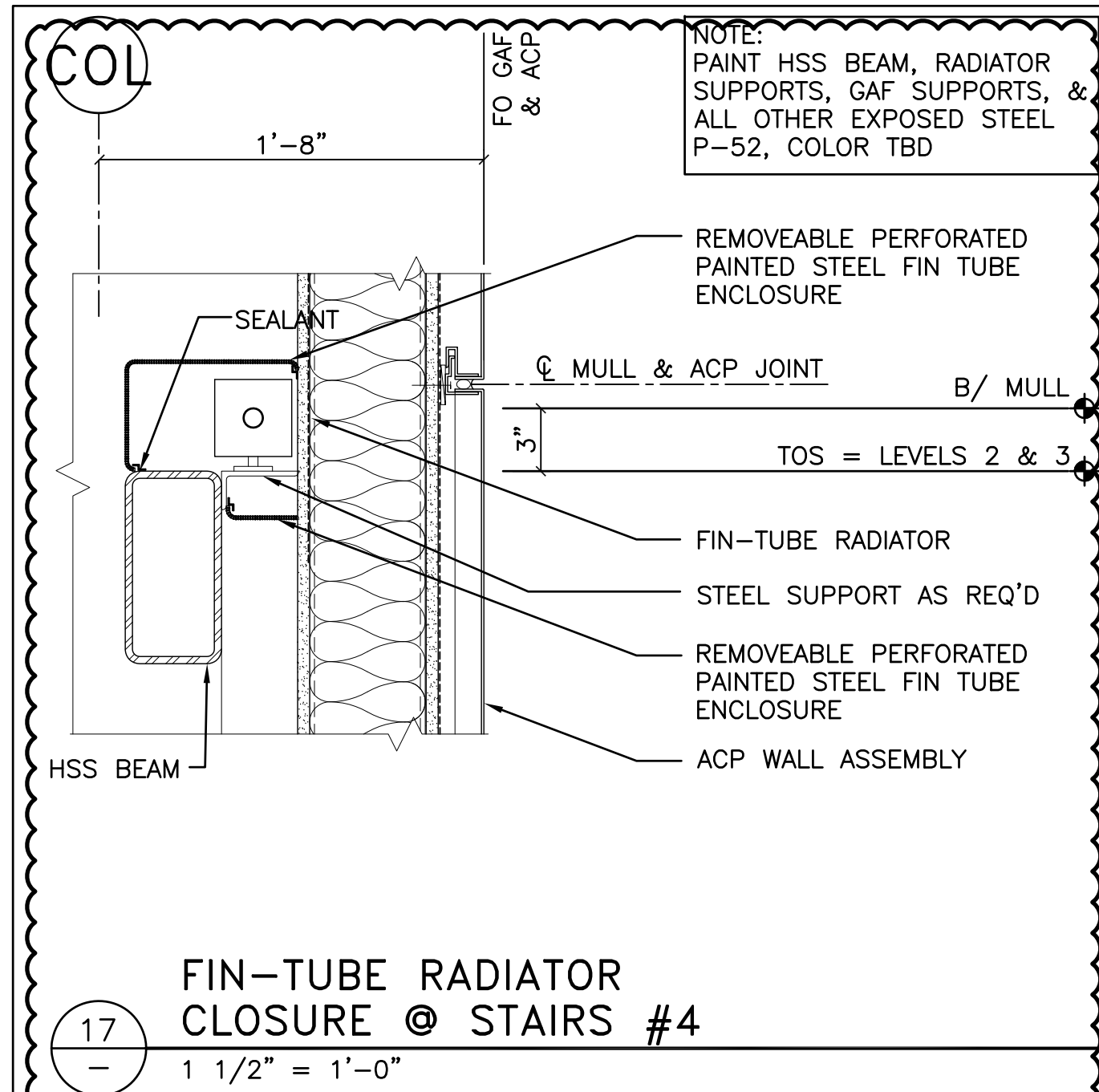
UNIVERSITY OF
Nebraska
Lincoln

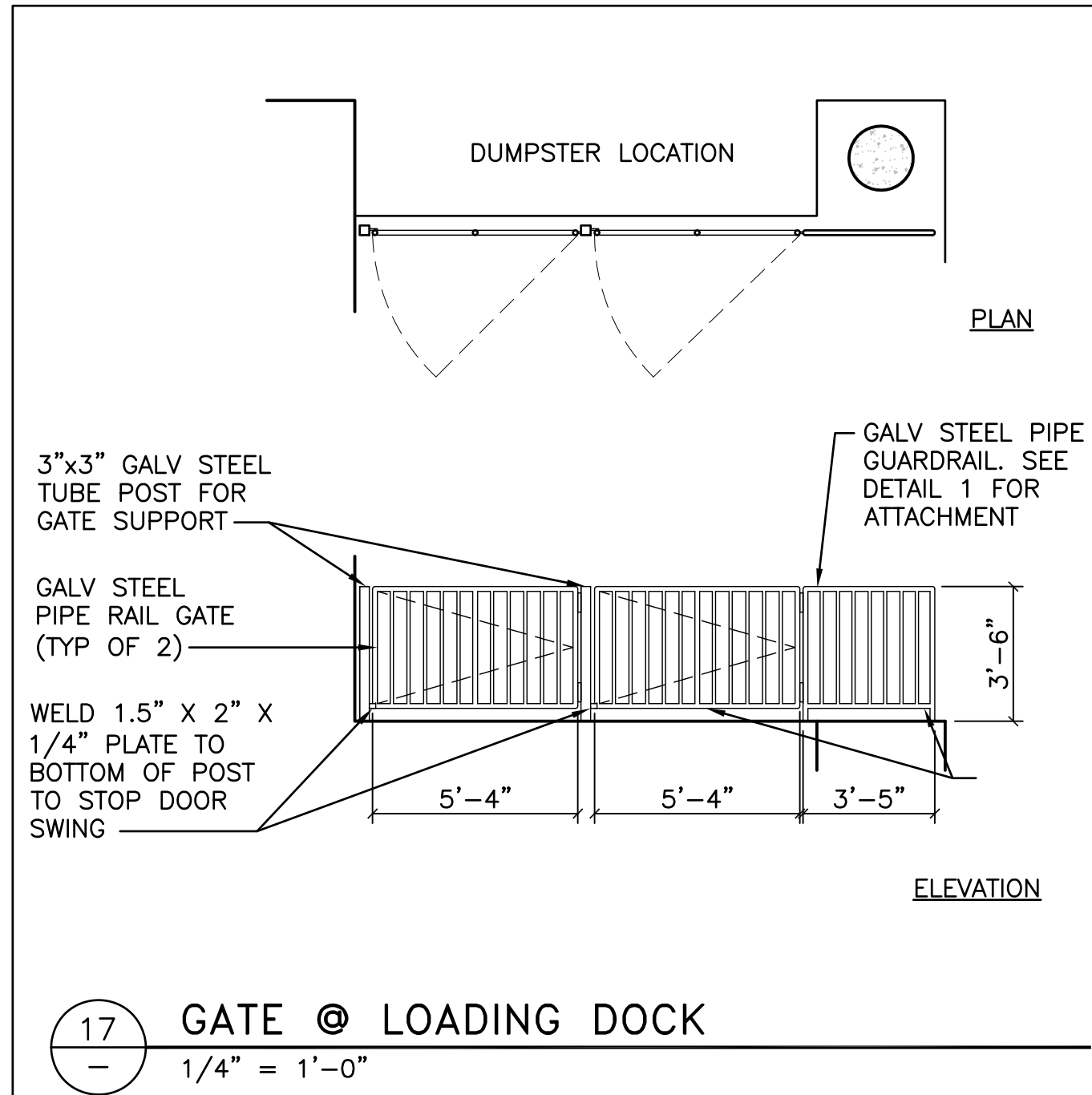
DESIGNED BY:
DRAWN BY:
CHECKED BY:
DATE:
MAY 26, 2011
PROJECT NO.:
102002

SHEET TITLE:
ARCHITECTURAL
EXTERIOR DETAILS

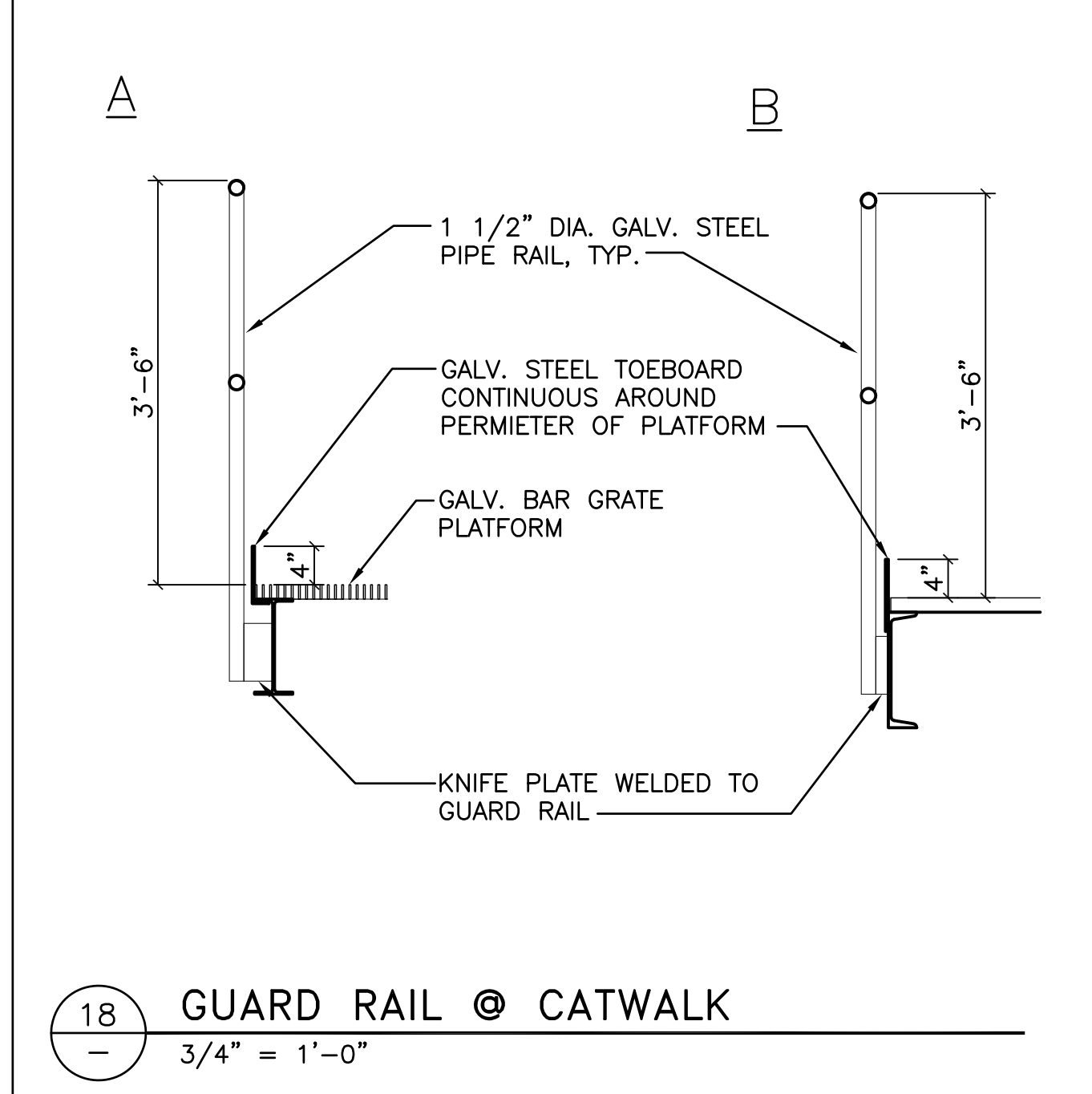
SHEET NO.
NVA-7602



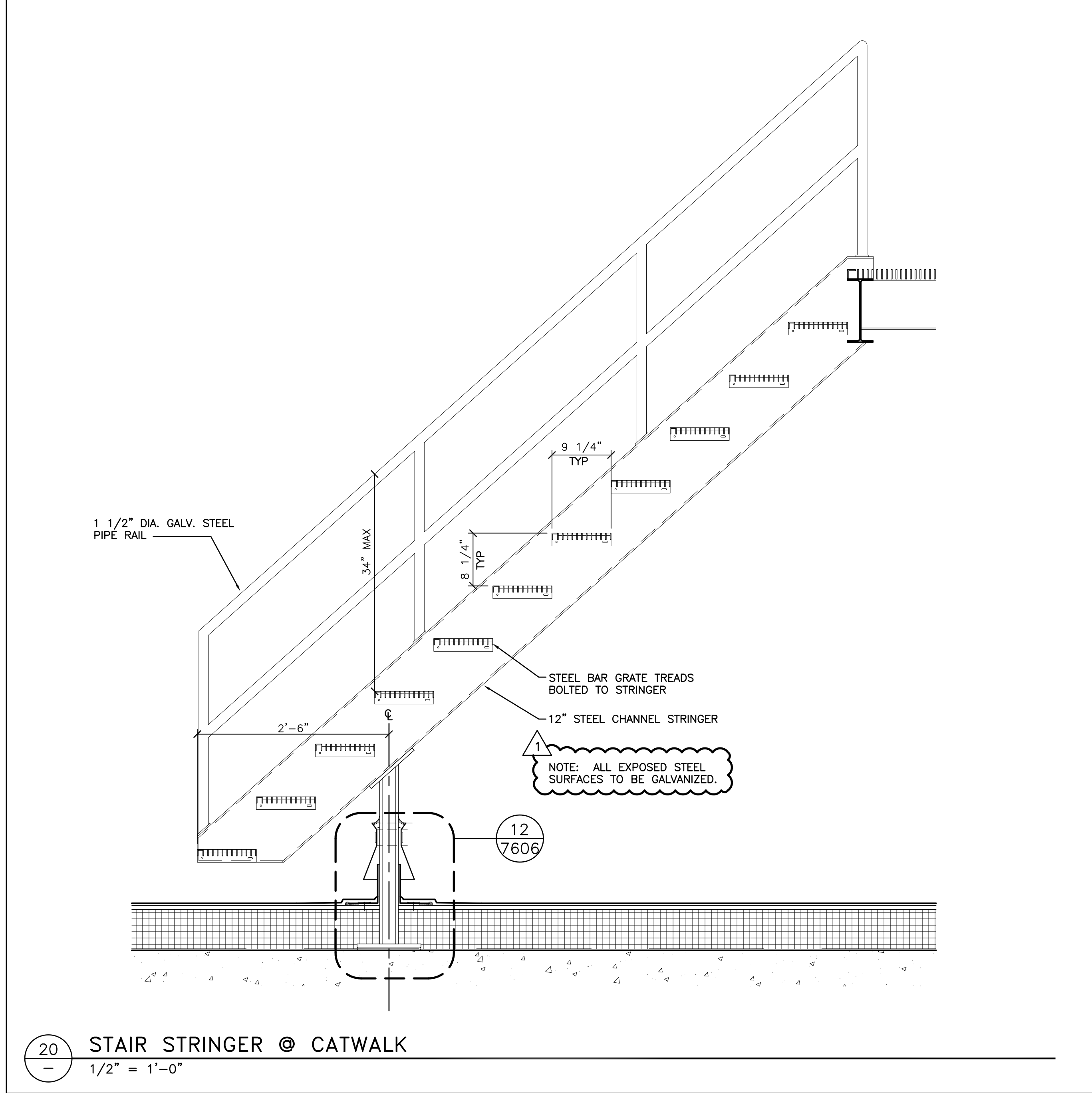




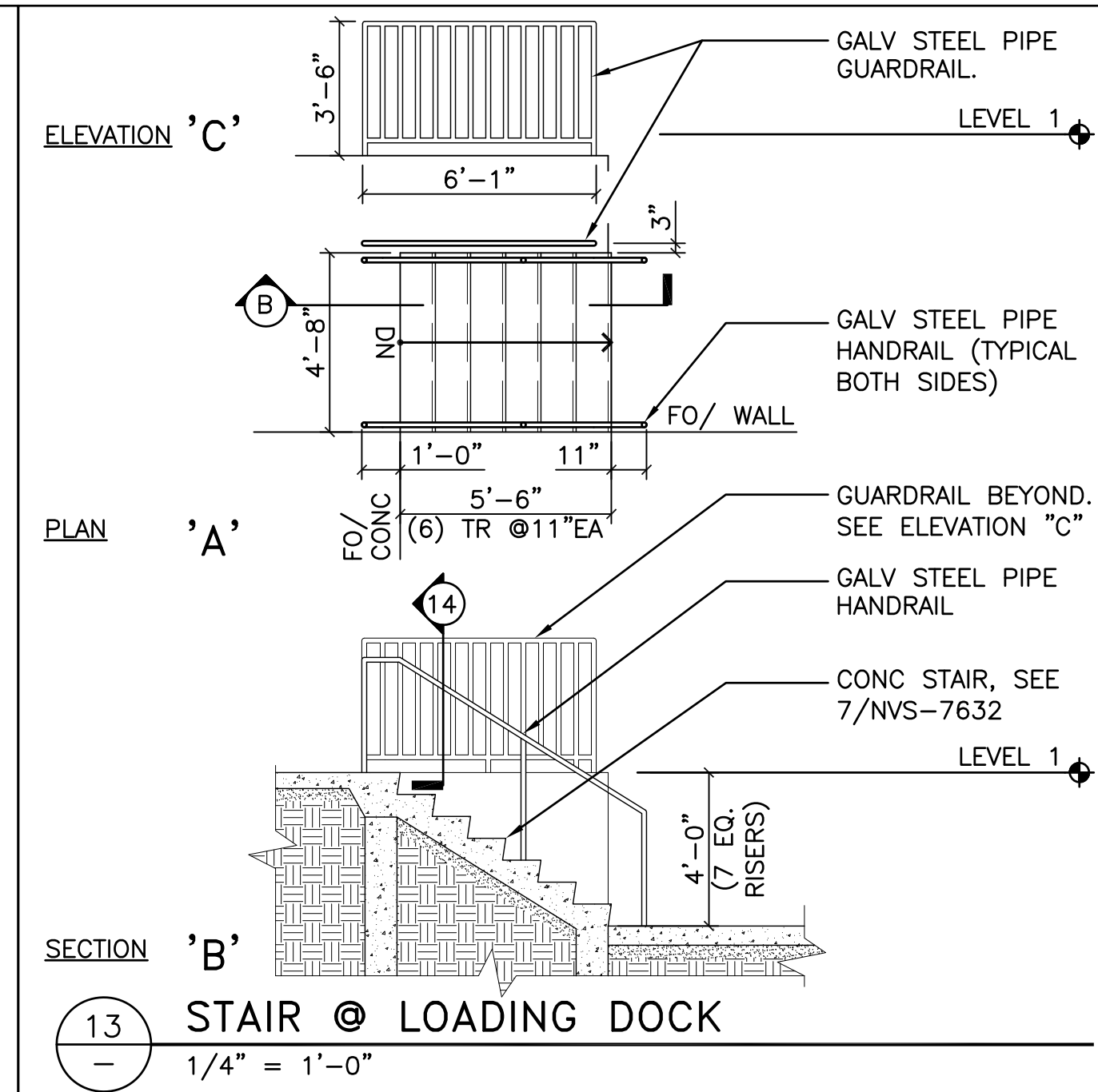
17 GATE @ LOADING DOCK
1/4" = 1'-0"



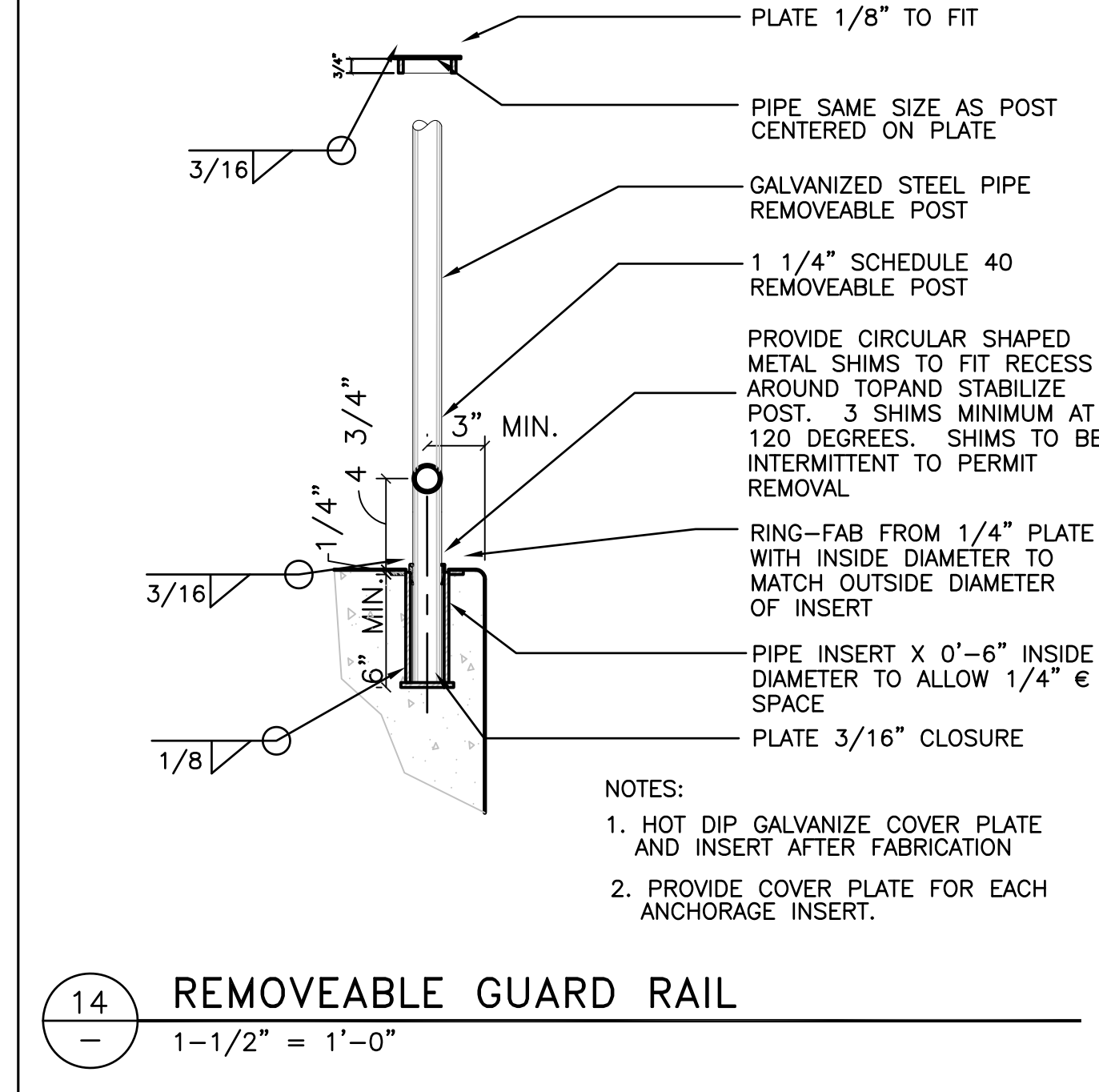
18 GUARD RAIL @ CATWALK
3/4" = 1'-0"



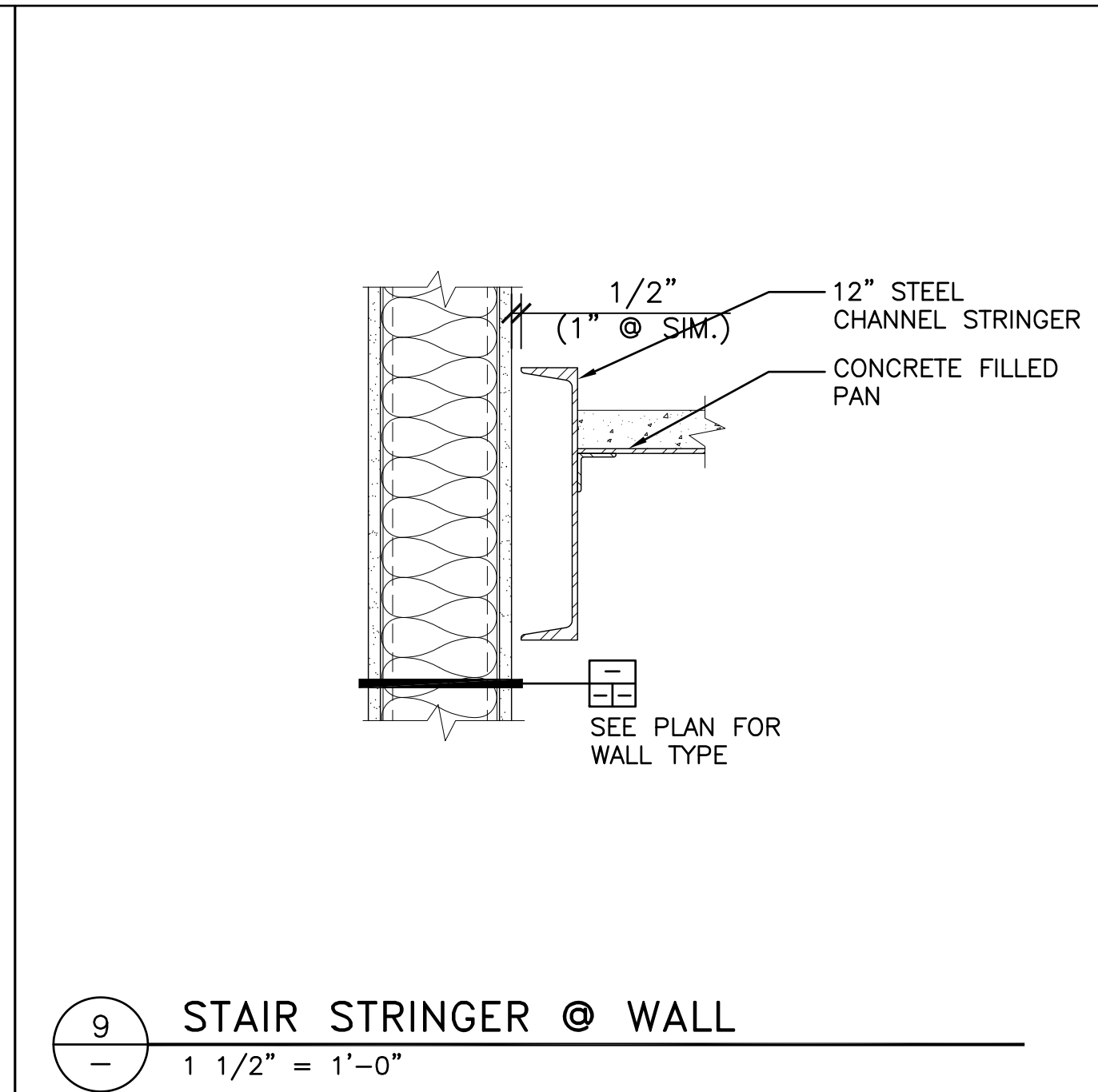
20 STAIR STRINGER @ CATWALK
1/2" = 1'-0"



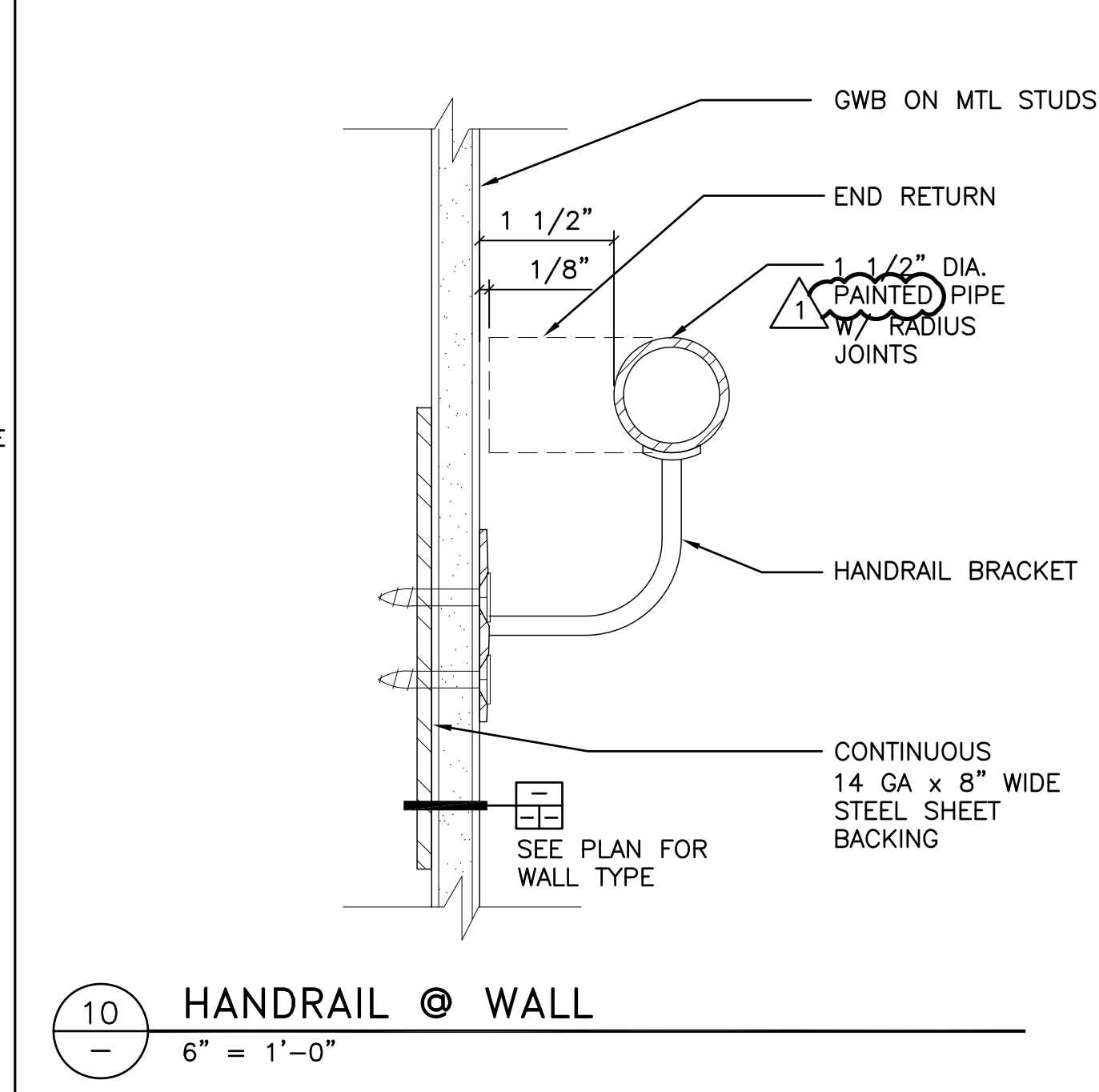
13 STAIR @ LOADING DOCK
1/4" = 1'-0"



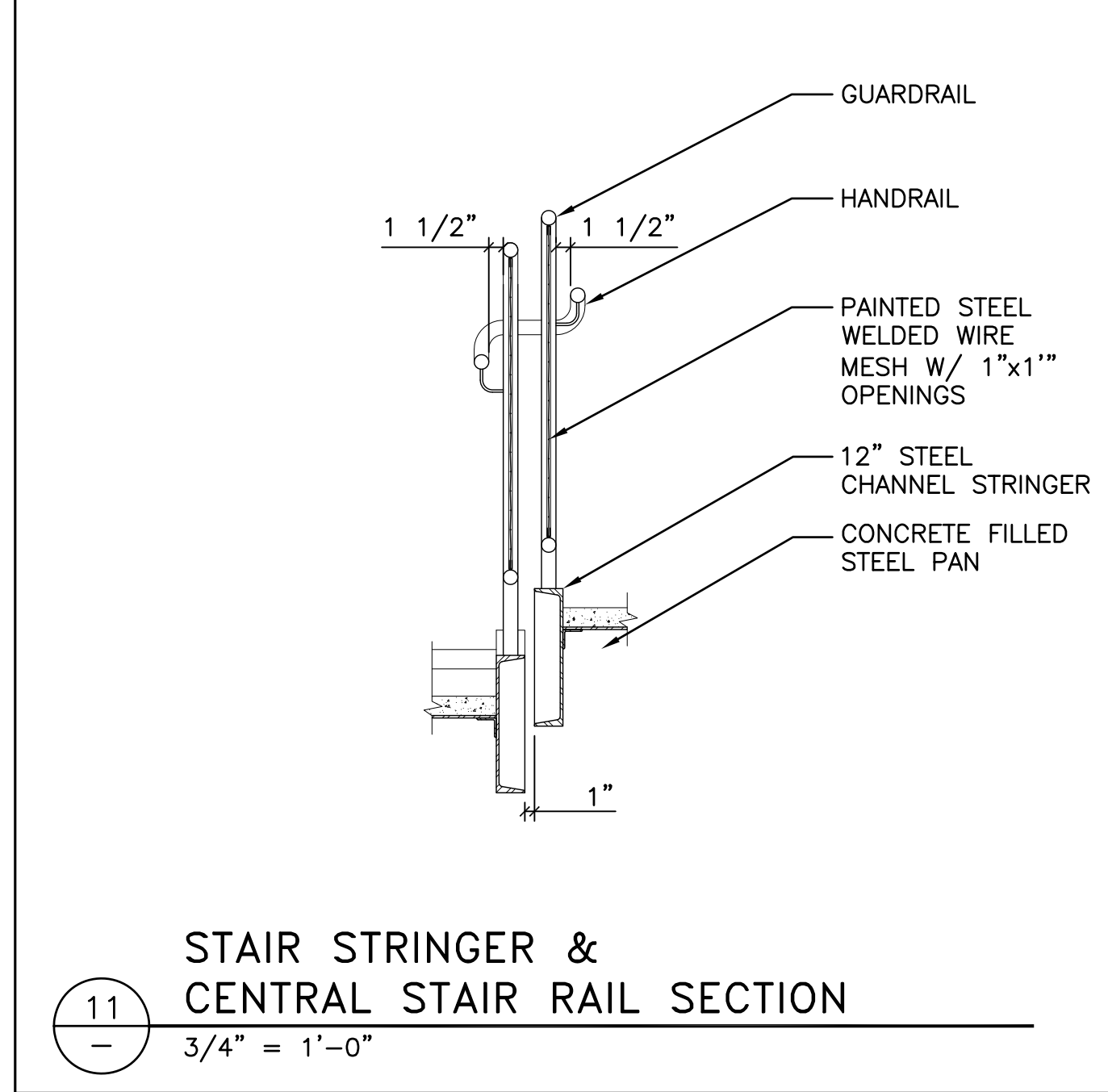
14 REMOVEABLE GUARD RAIL
1-1/2" = 1'-0"



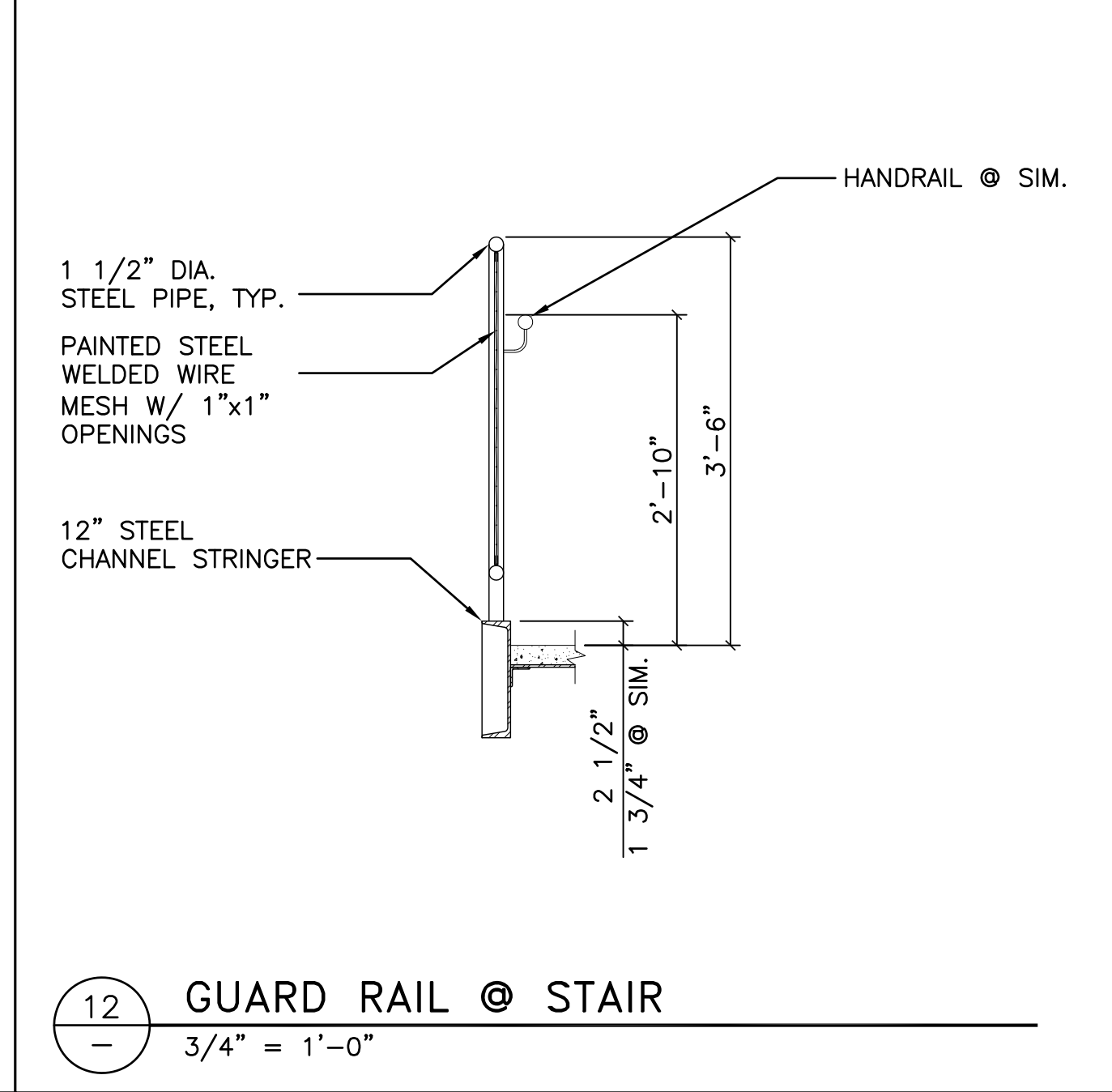
9 STAIR STRINGER @ WALL
1 1/2" = 1'-0"



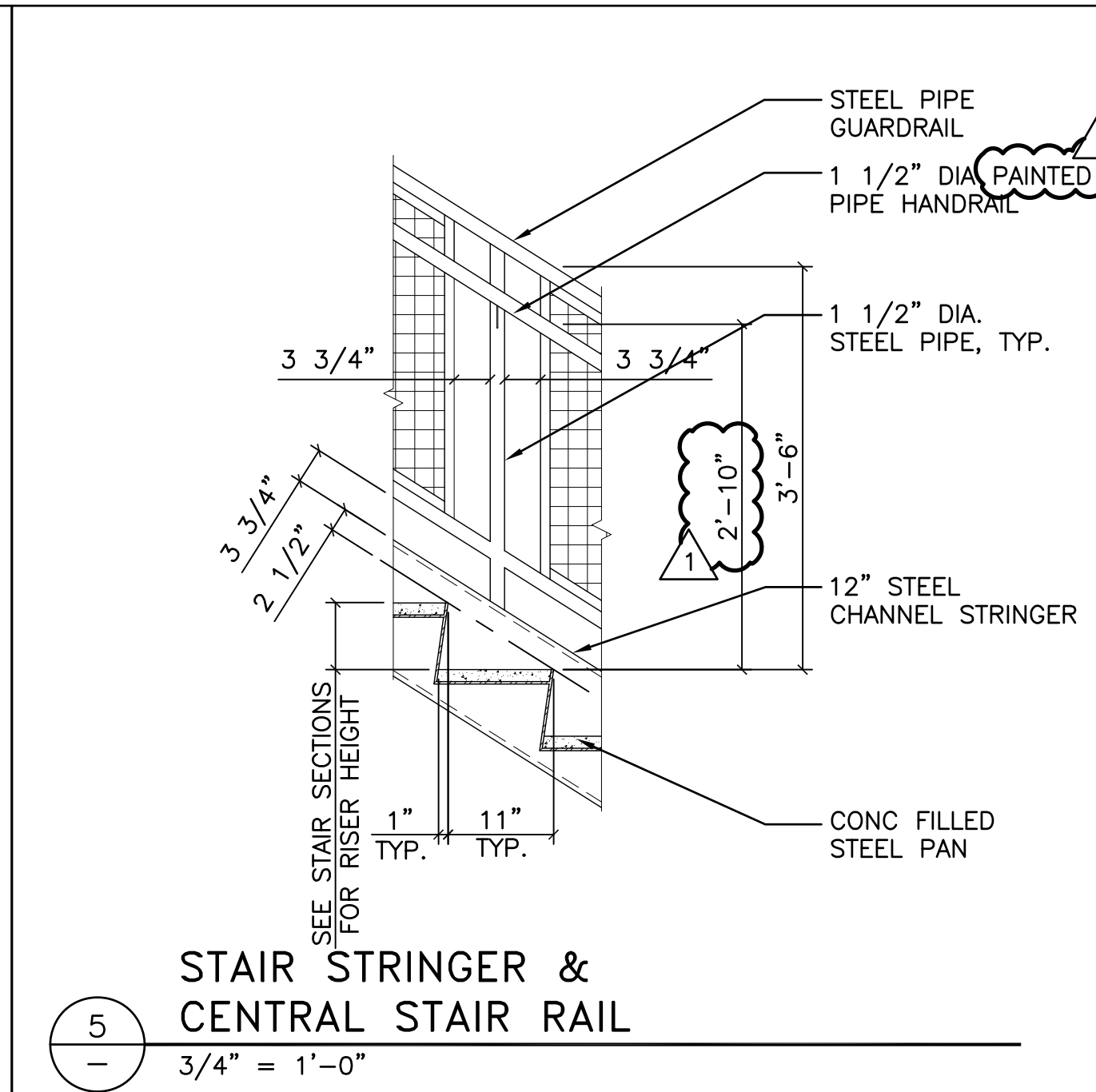
10 HANDRAIL @ WALL
6" = 1'-0"



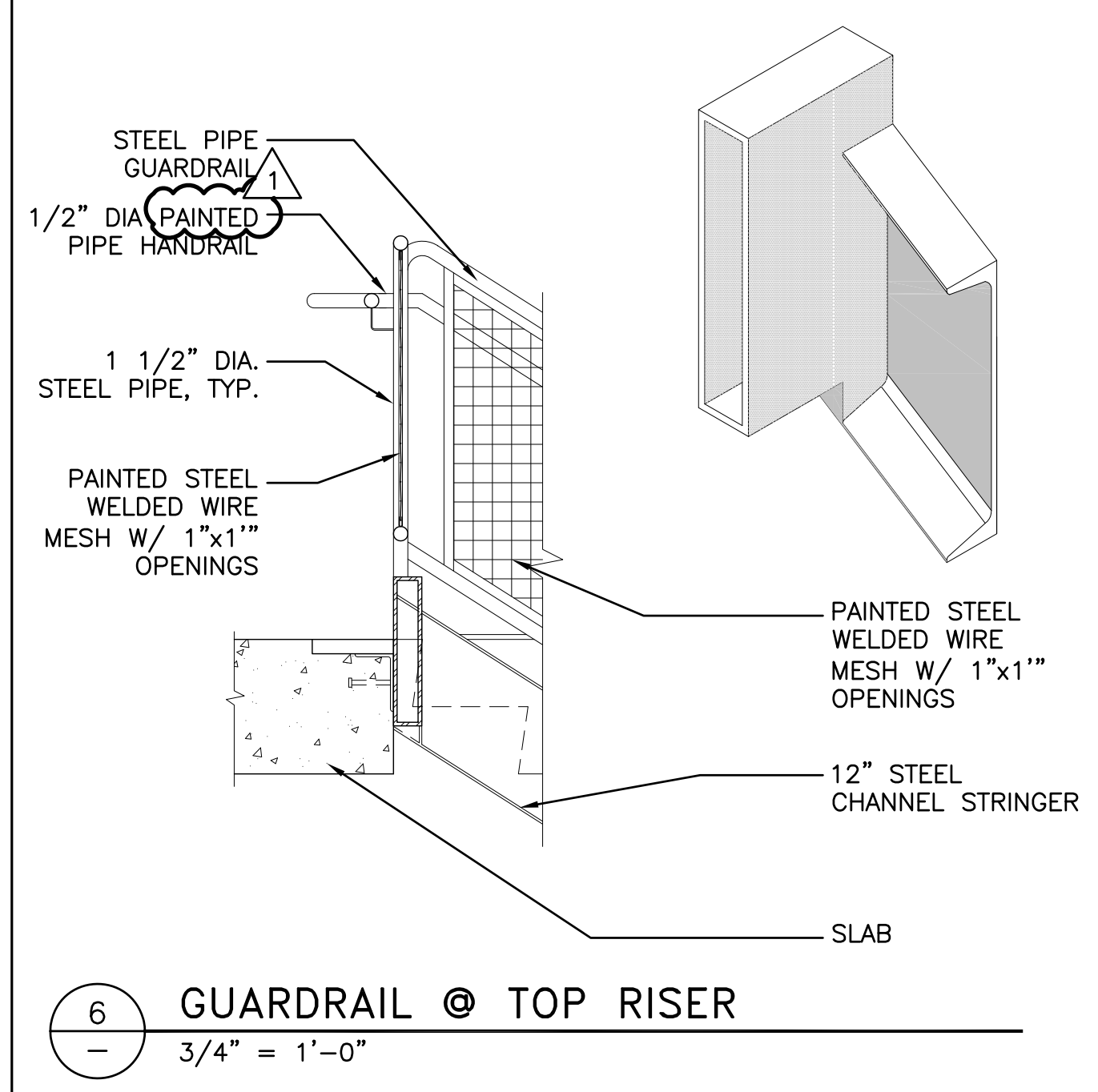
11 STAIR STRINGER & CENTRAL STAIR RAIL SECTION
3/4" = 1'-0"



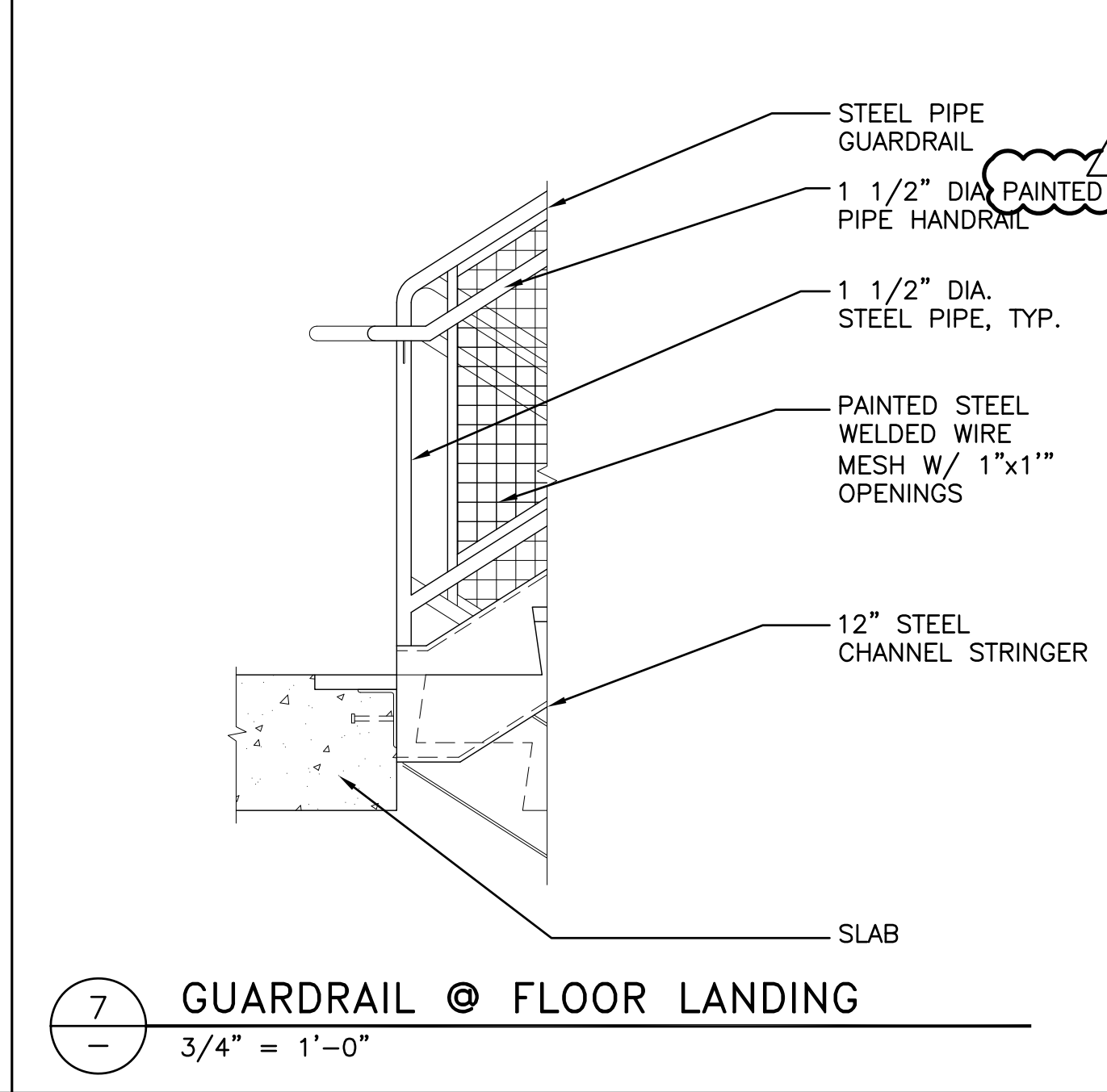
12 GUARD RAIL @ STAIR
3/4" = 1'-0"



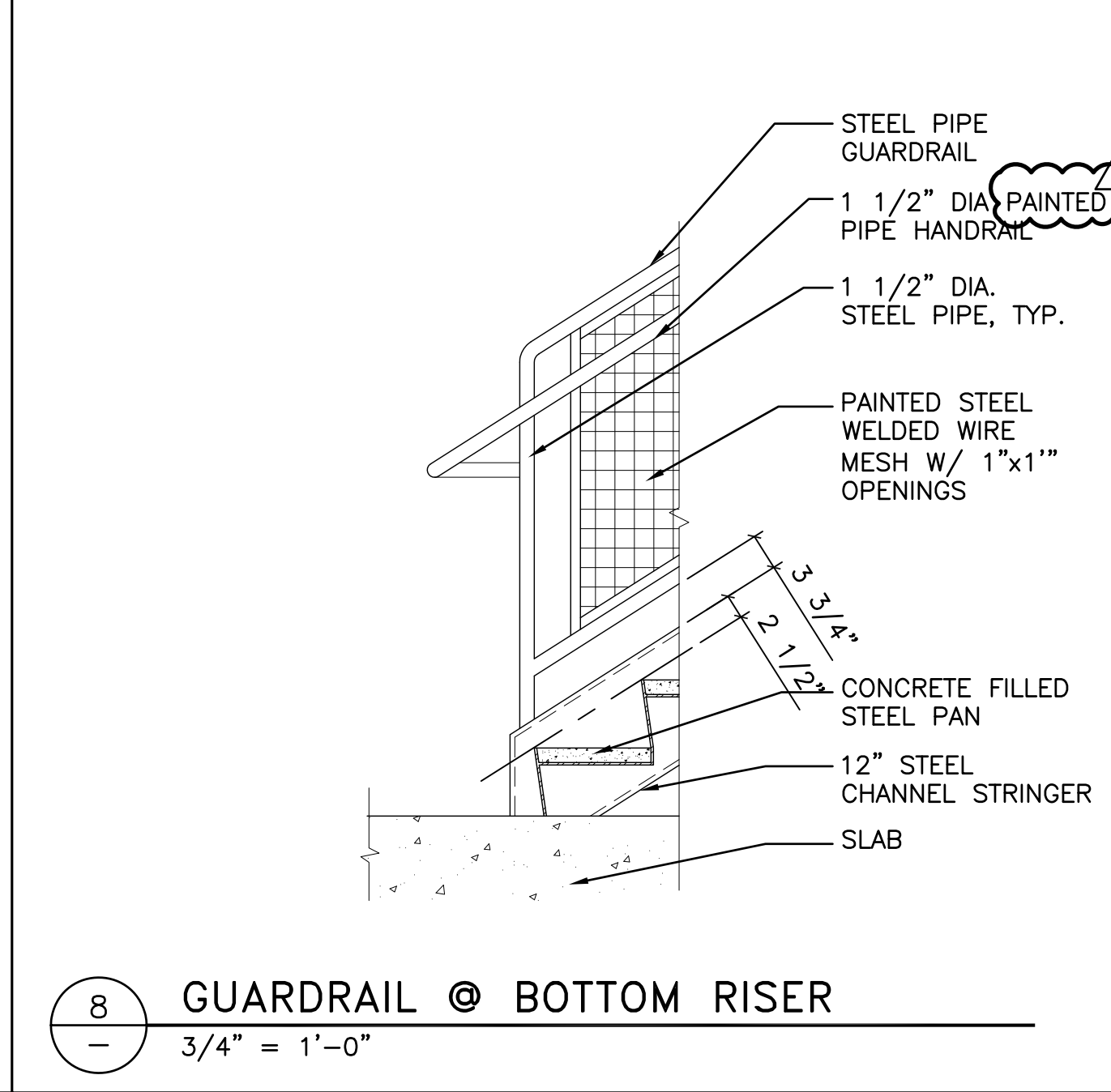
5 STAIR STRINGER & CENTRAL STAIR RAIL
3/4" = 1'-0"



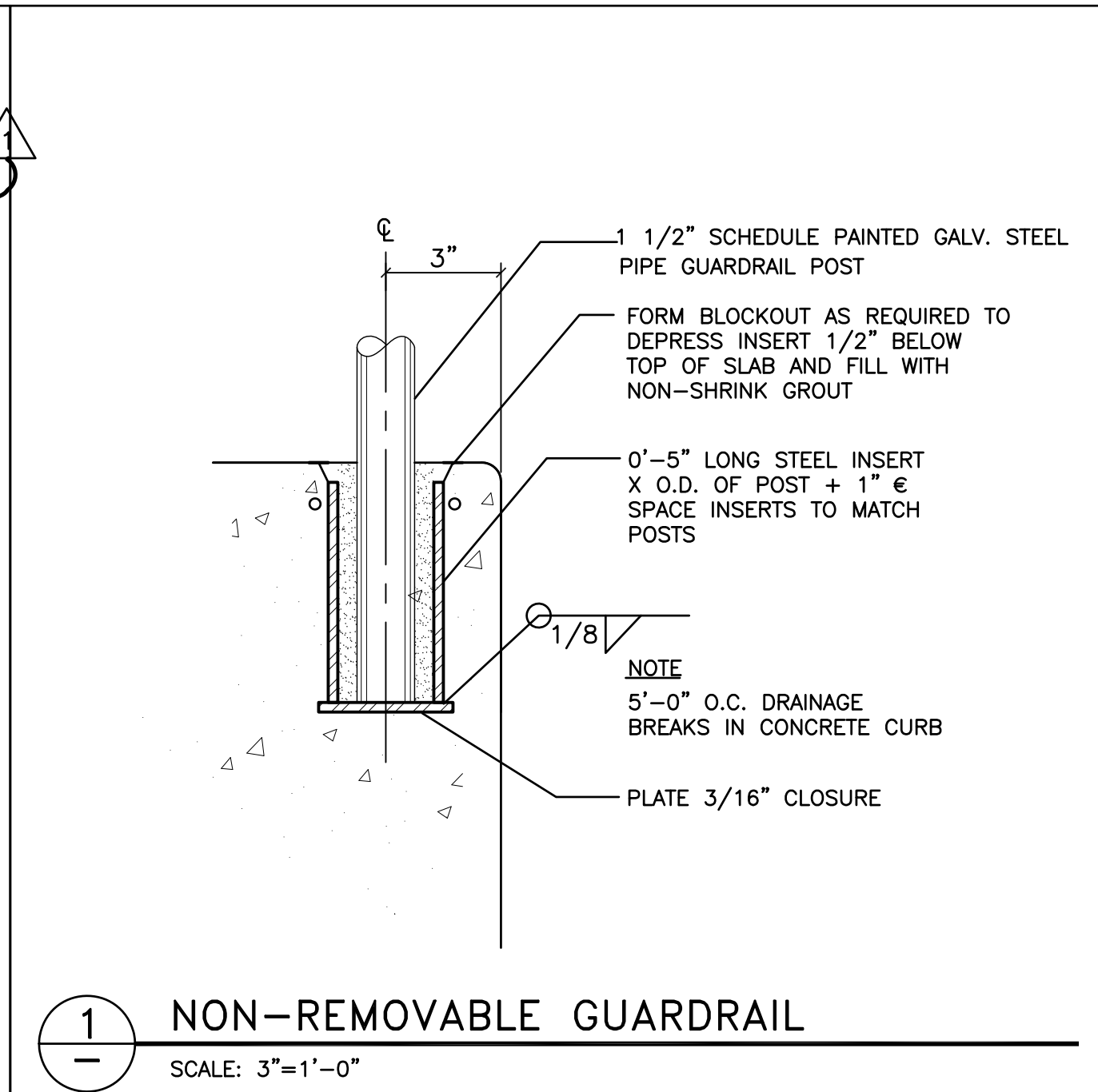
6 GUARDRAIL @ TOP RISER
3/4" = 1'-0"



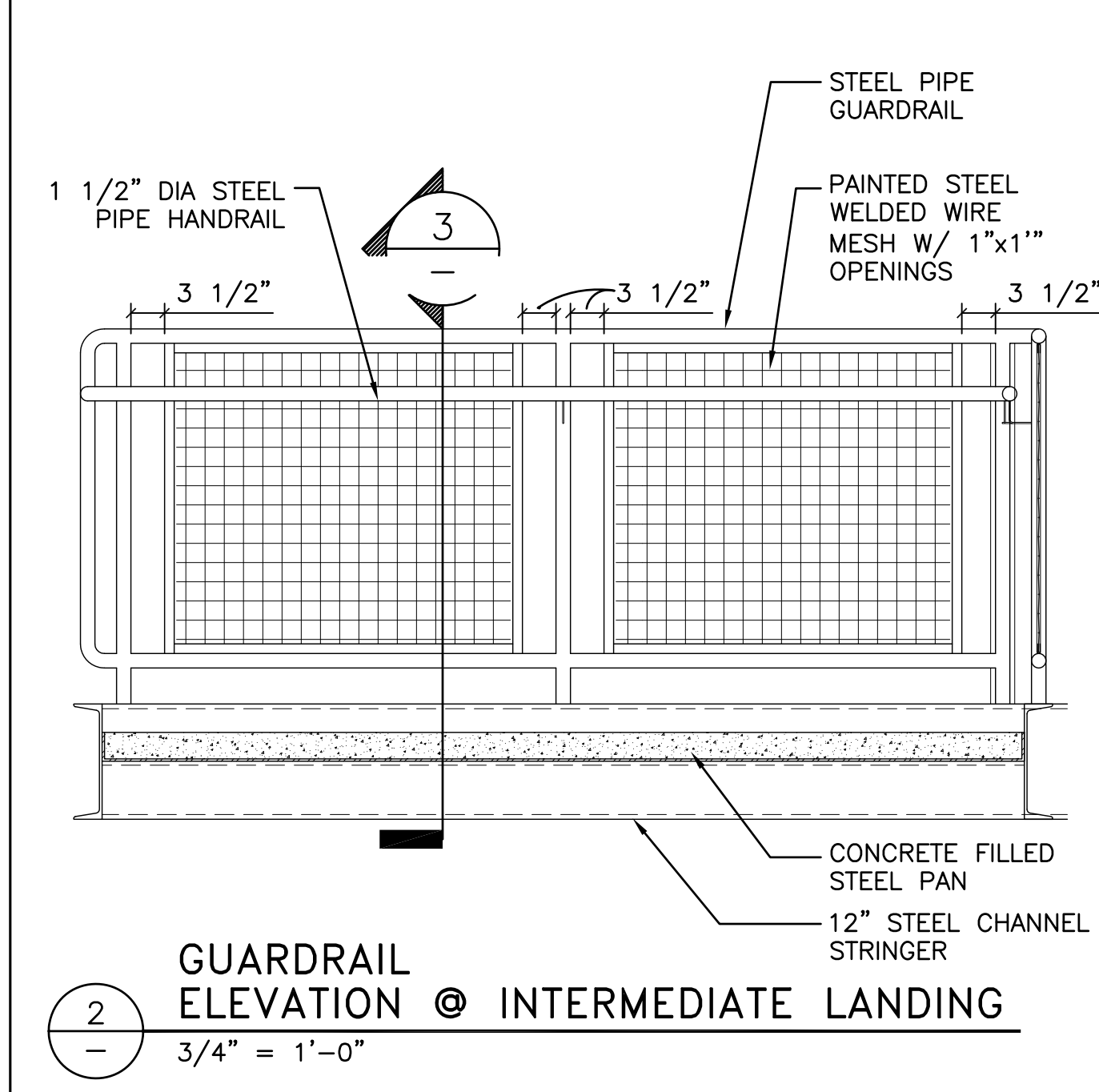
7 GUARDRAIL @ FLOOR LANDING
3/4" = 1'-0"



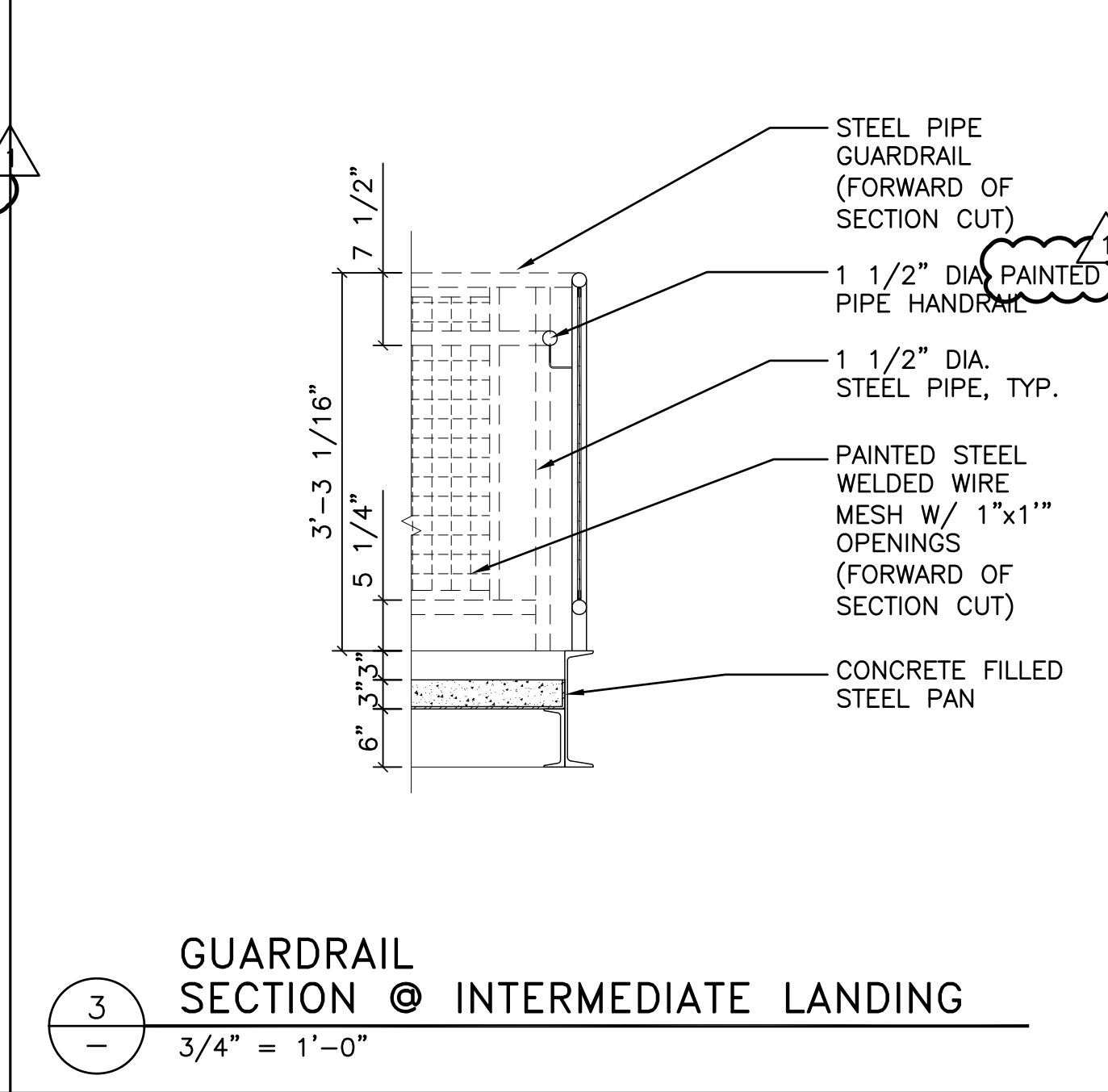
8 GUARDRAIL @ BOTTOM RISER
3/4" = 1'-0"



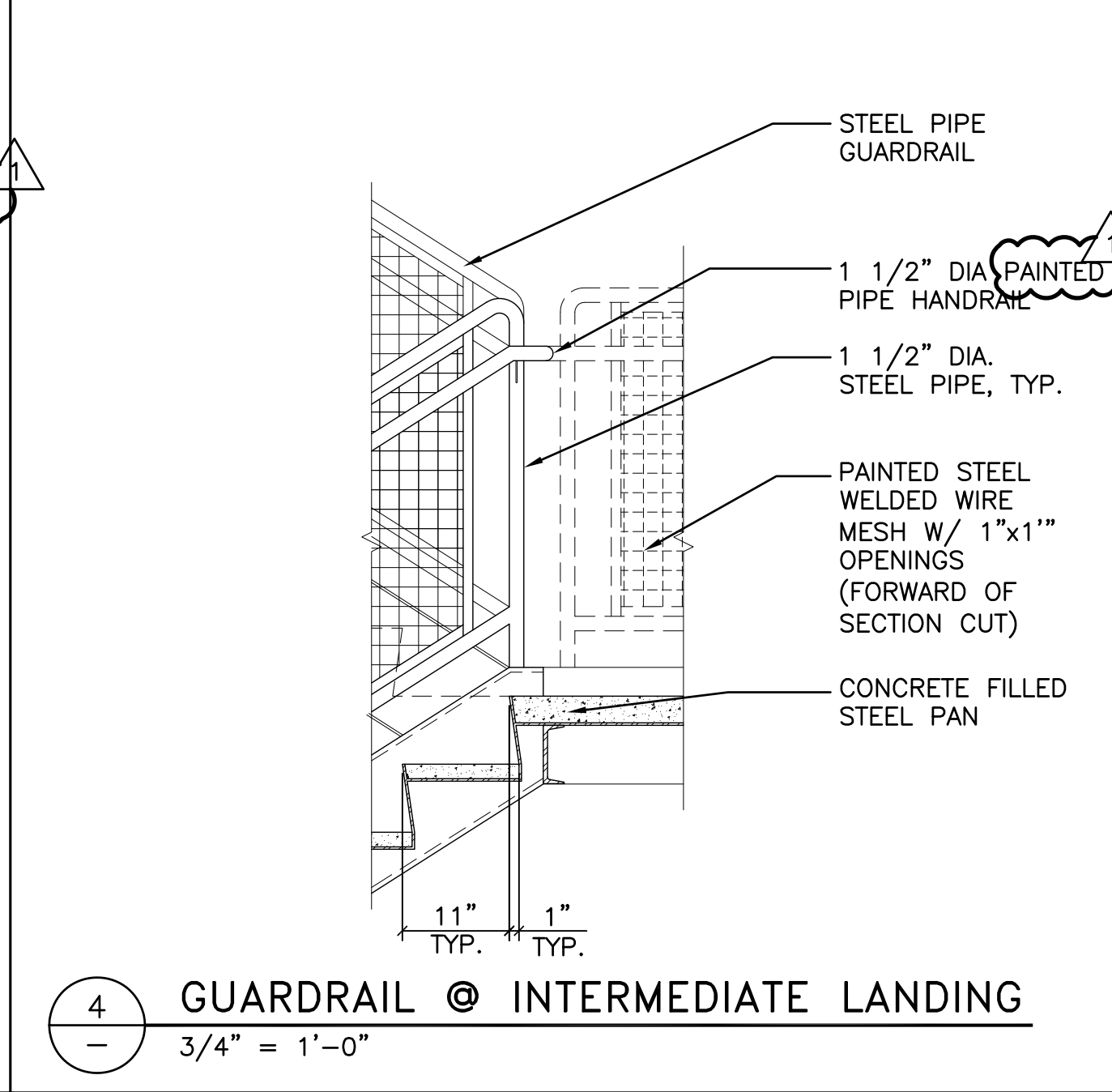
1 NON-REMOVABLE GUARDRAIL
SCALE: 3"=1'-0"



2 GUARDRAIL ELEVATION @ INTERMEDIATE LANDING
3/4" = 1'-0"



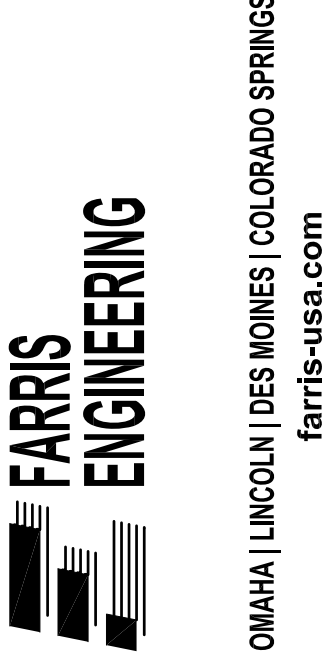
3 GUARDRAIL SECTION @ INTERMEDIATE LANDING
3/4" = 1'-0"



4 GUARDRAIL @ INTERMEDIATE LANDING
3/4" = 1'-0"



2020 SW 4th Ave., Third Floor
Portland, Oregon 97201
Phone: 503.228.1000
Fax: 503.228.1001
IDCA PROJ. # 402195



COPYRIGHT: This document and the information contained may not be reproduced or excerpted without the written permission of FARRIS ENGINEERING, INC. Unauthorized copying, disclosure or construction use are prohibited by law. Copyright 2014.

REVISIONS
ADDN 3 03-30-2012

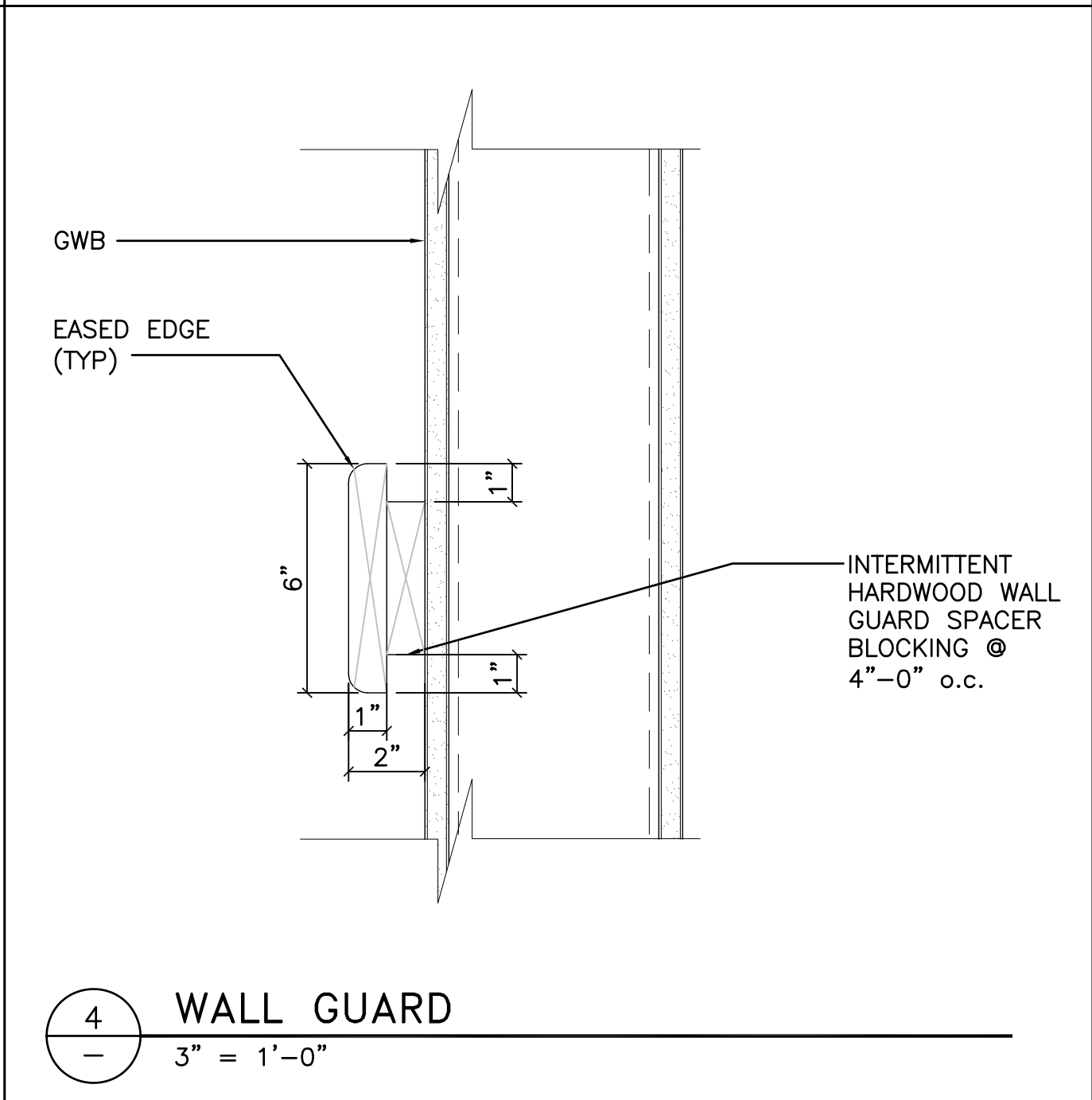
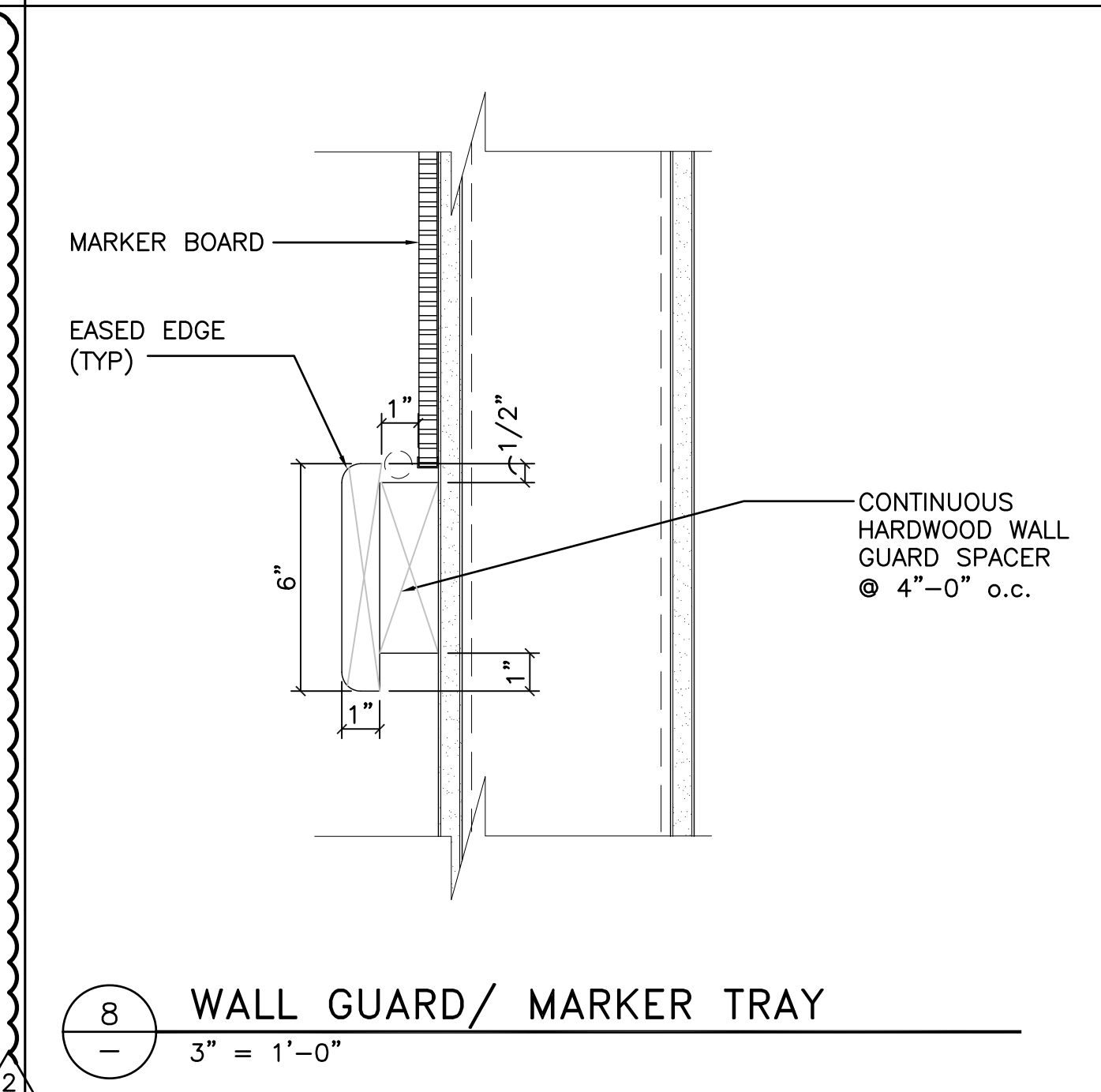
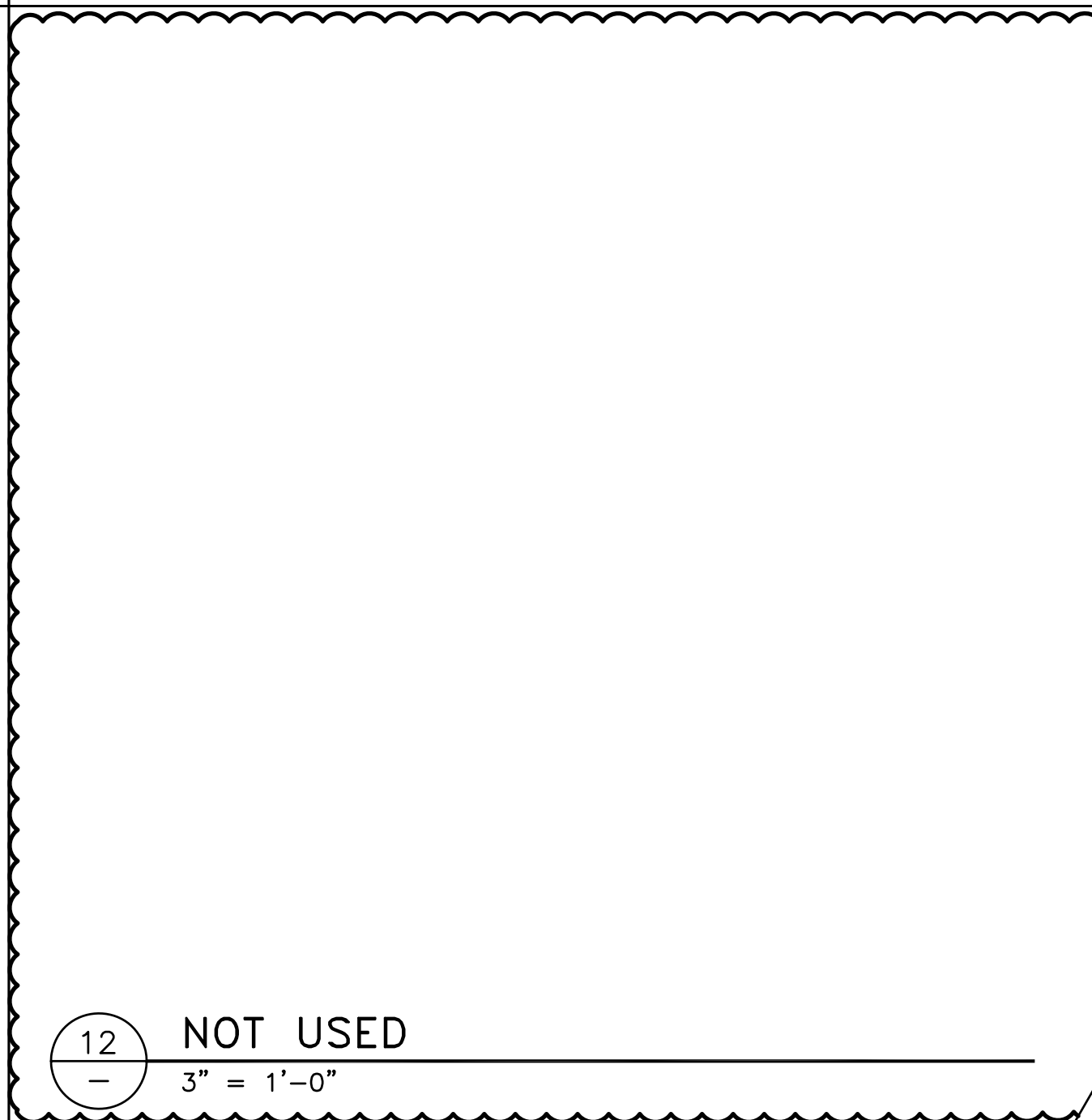
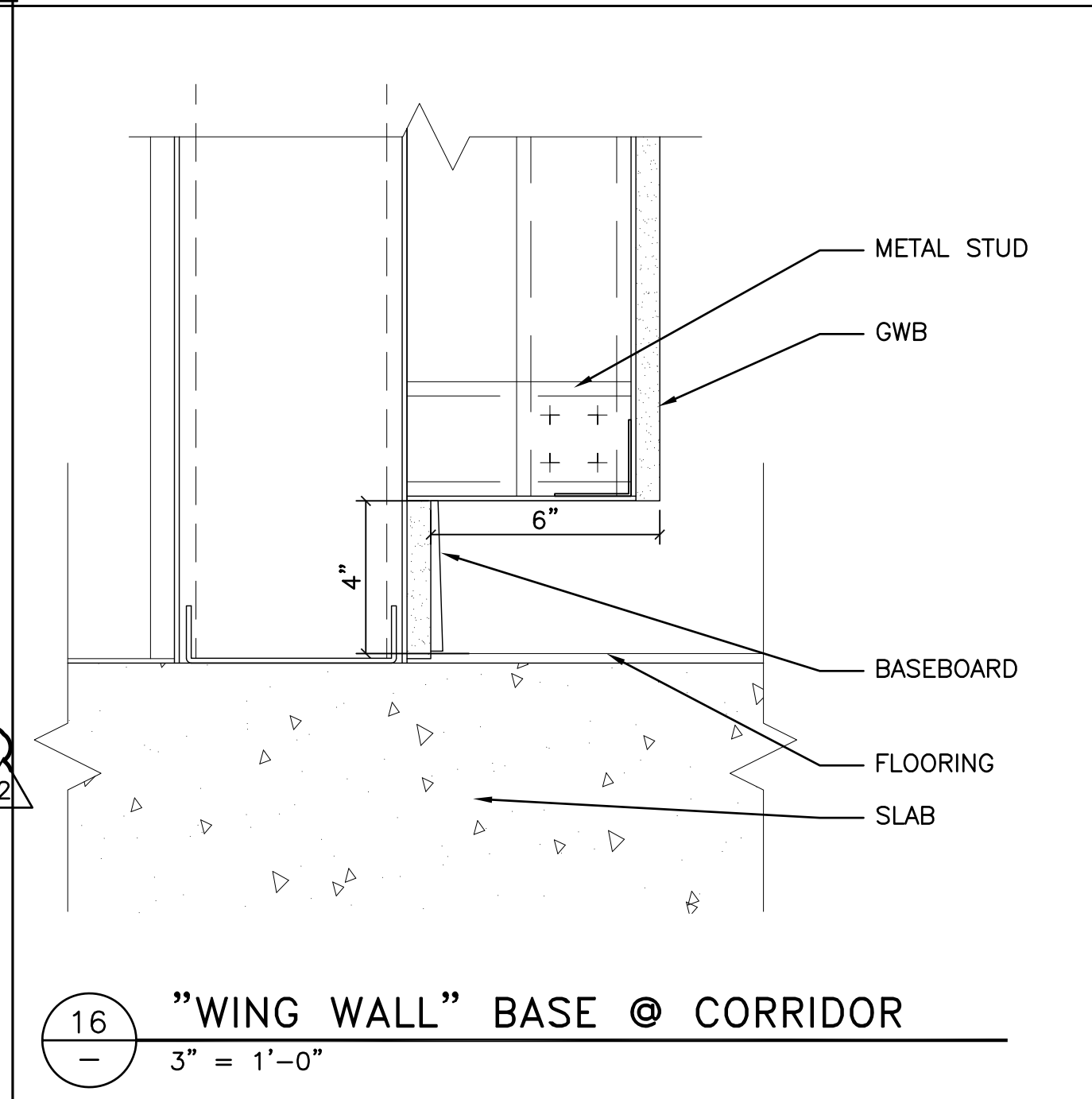
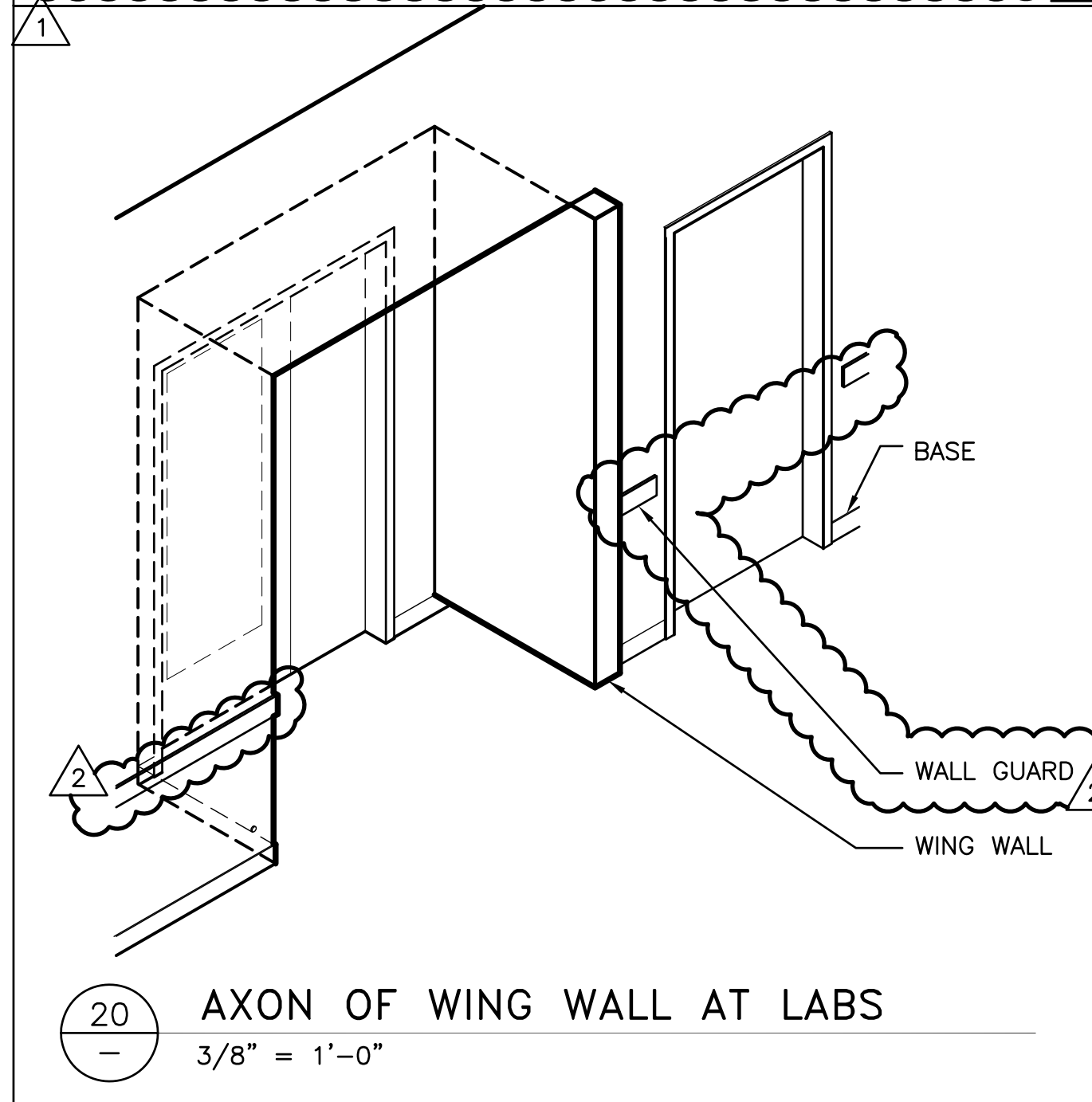
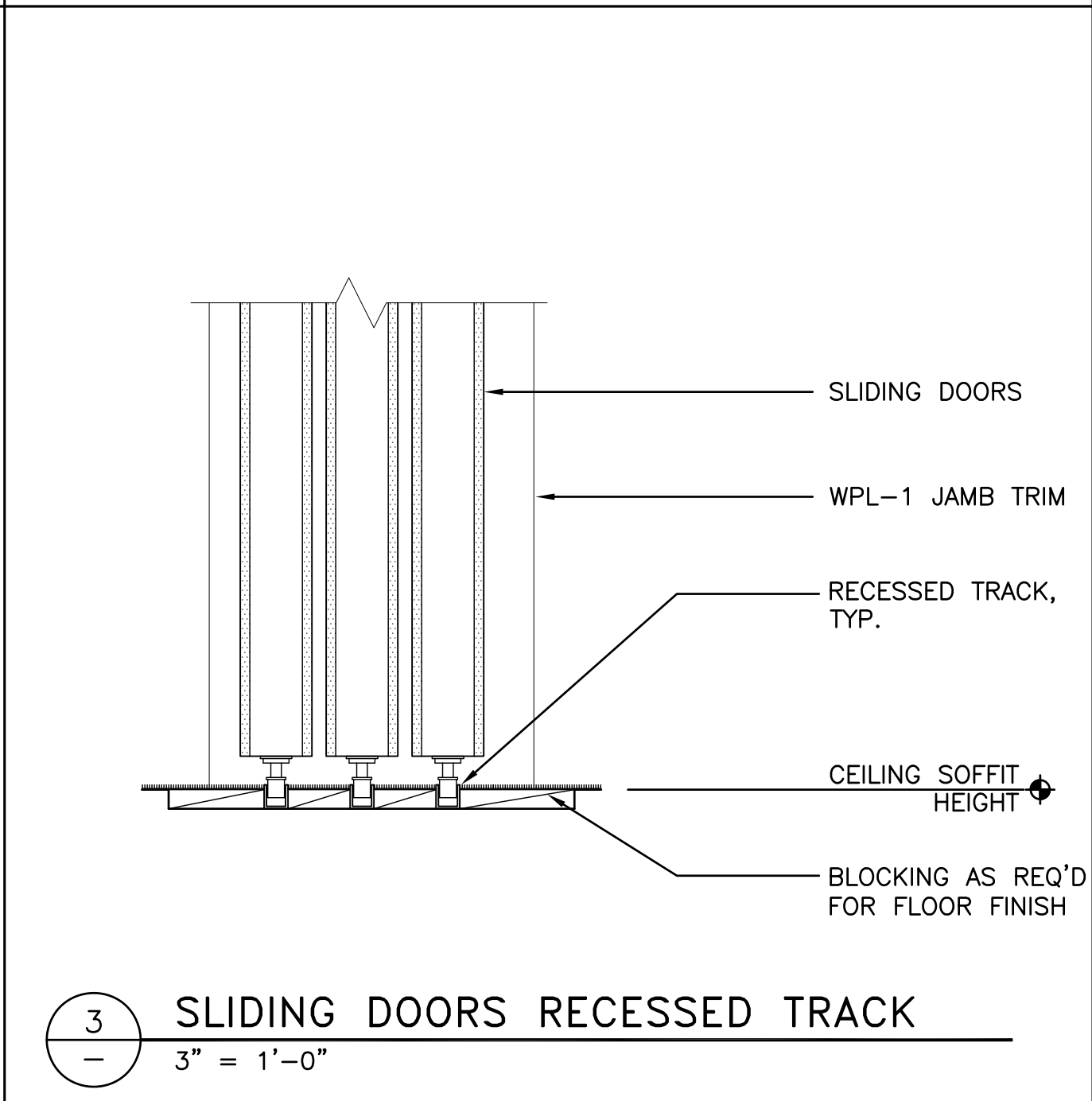
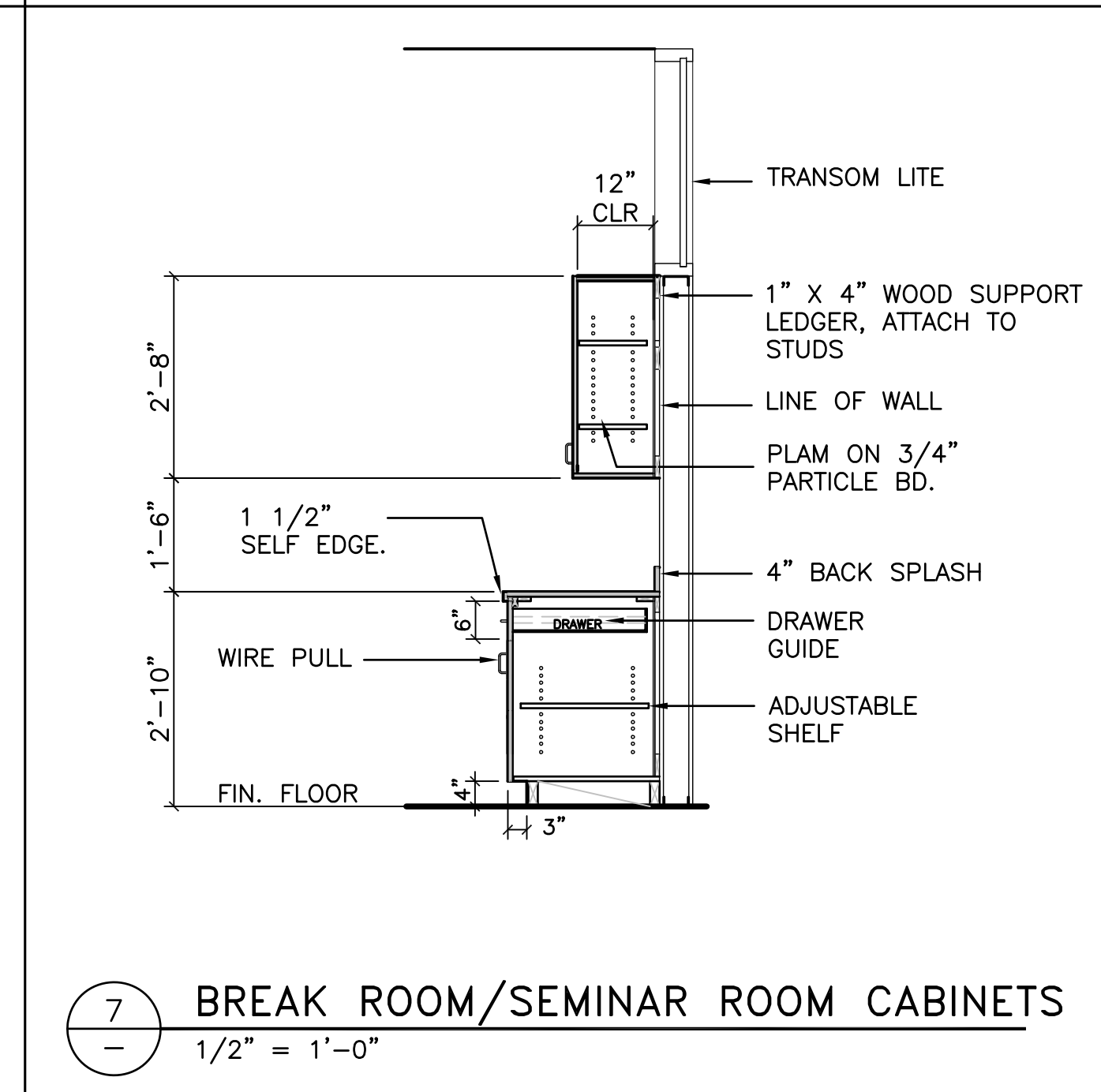
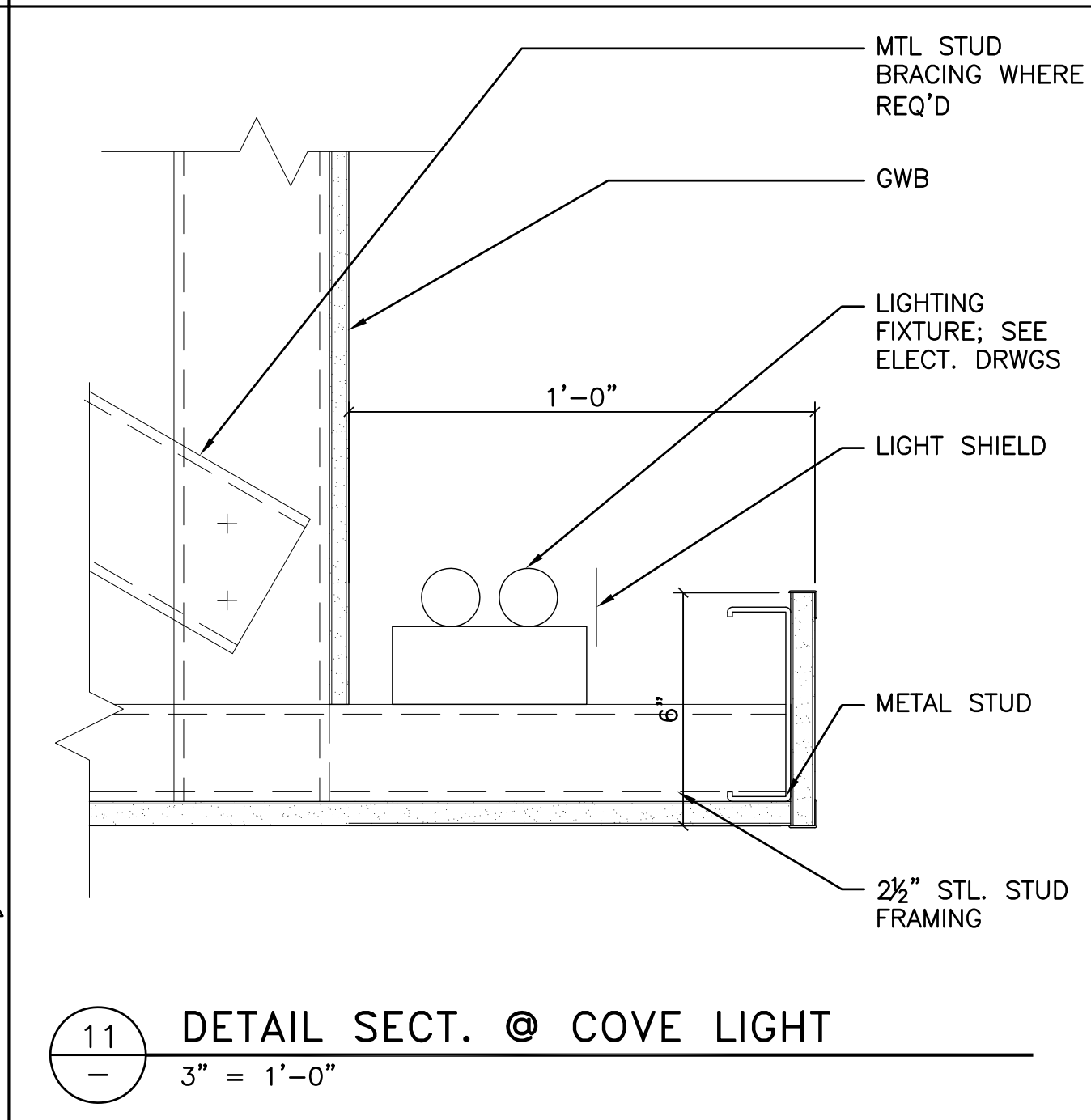
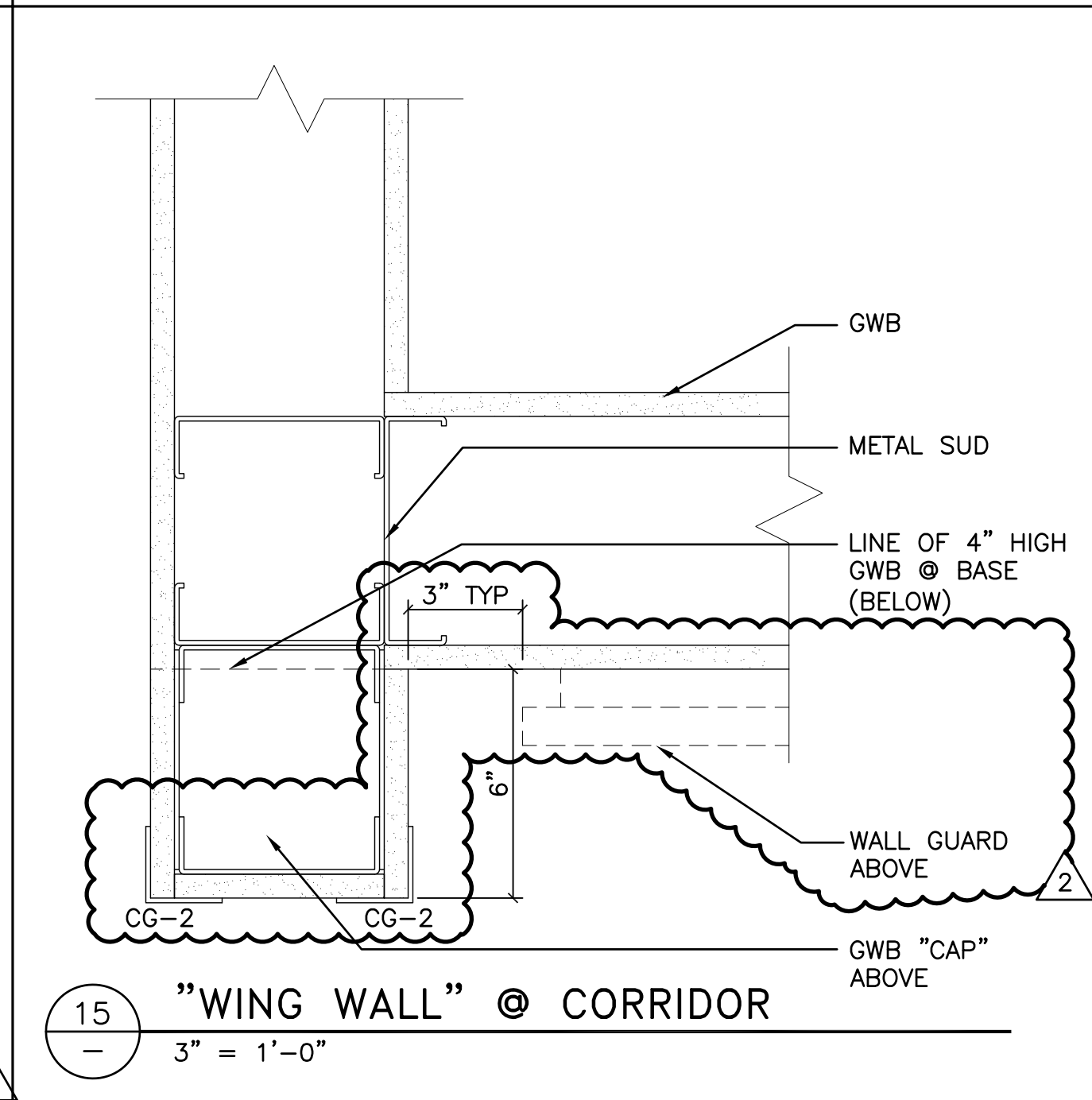
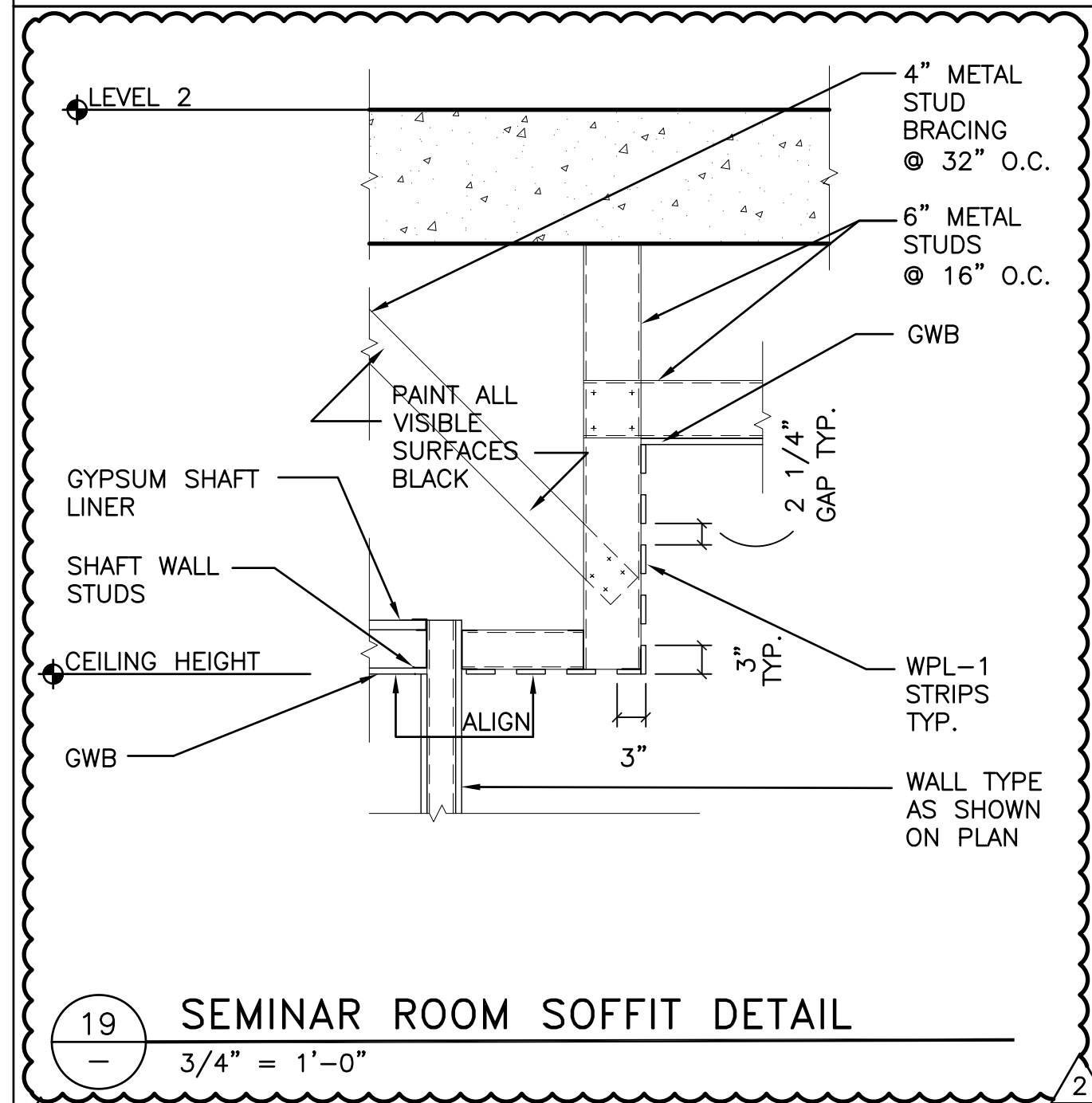
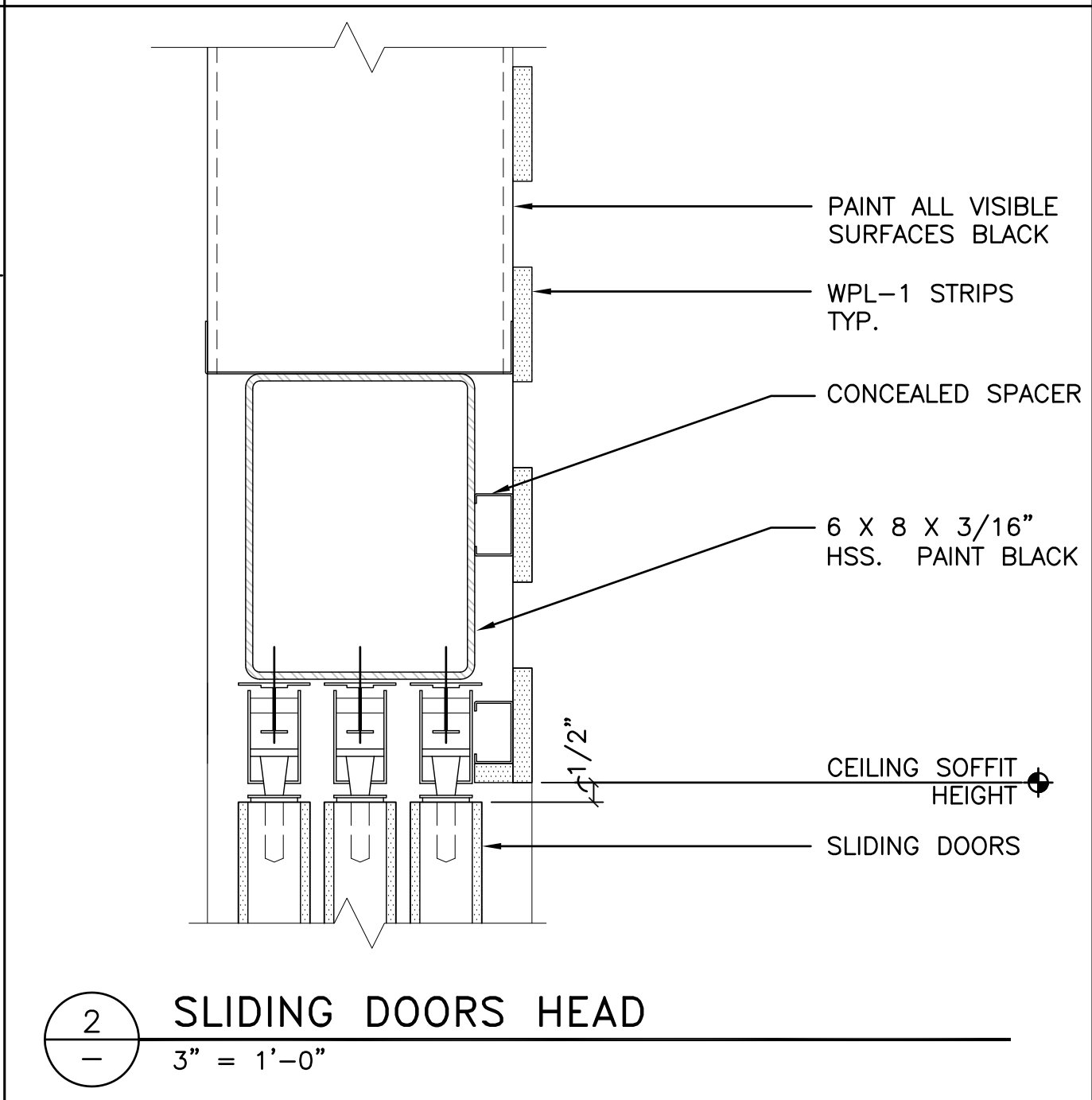
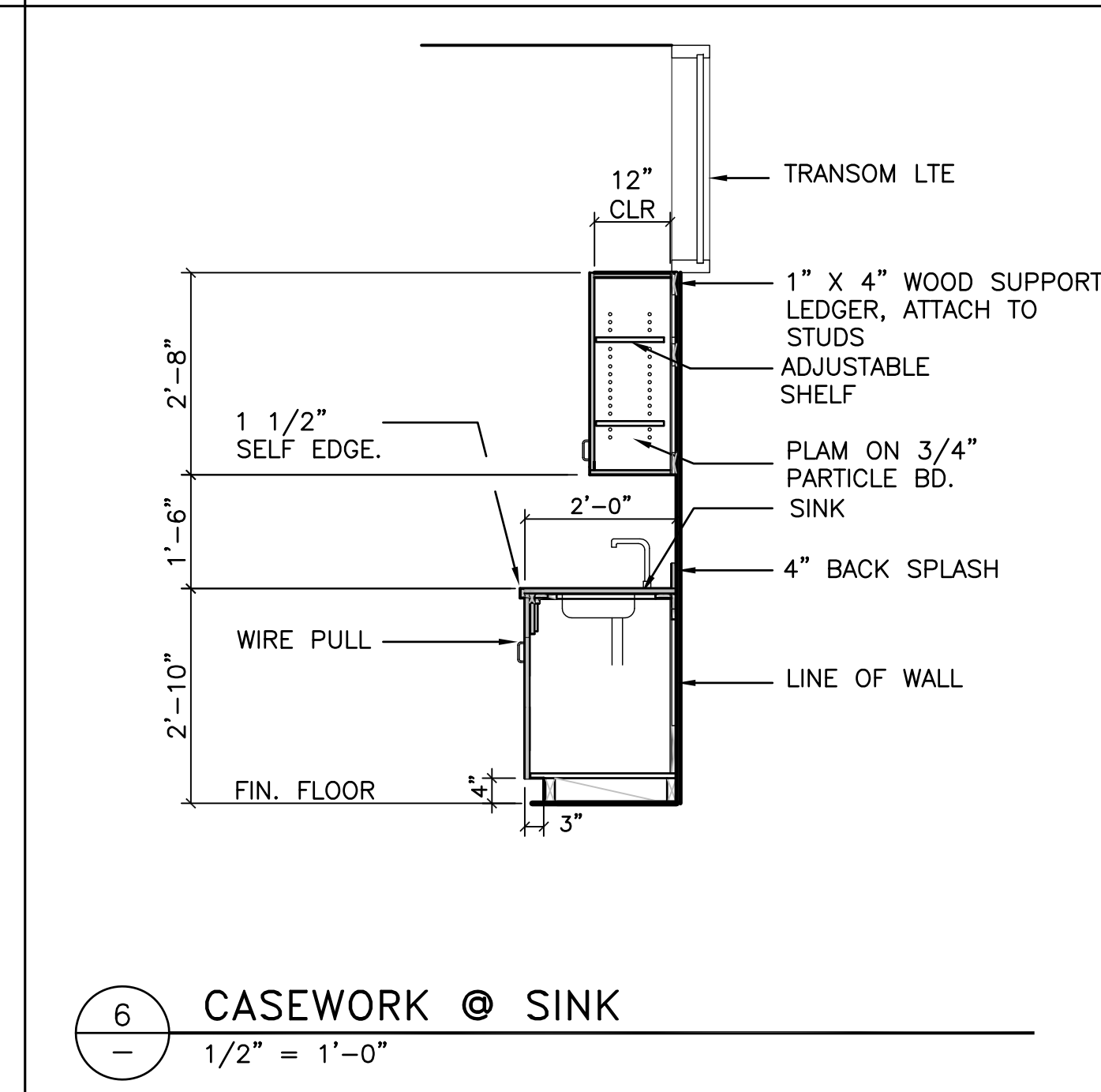
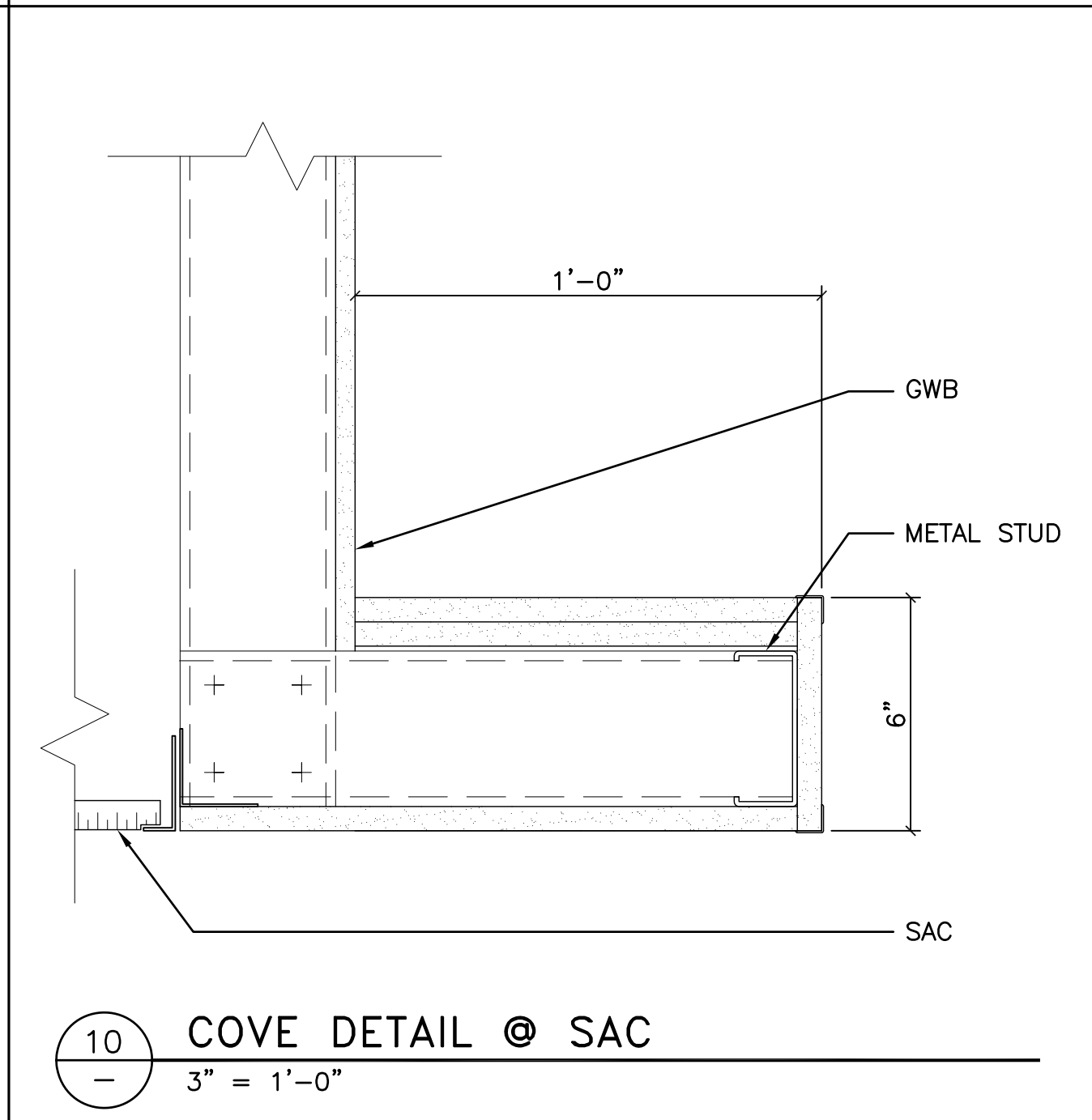
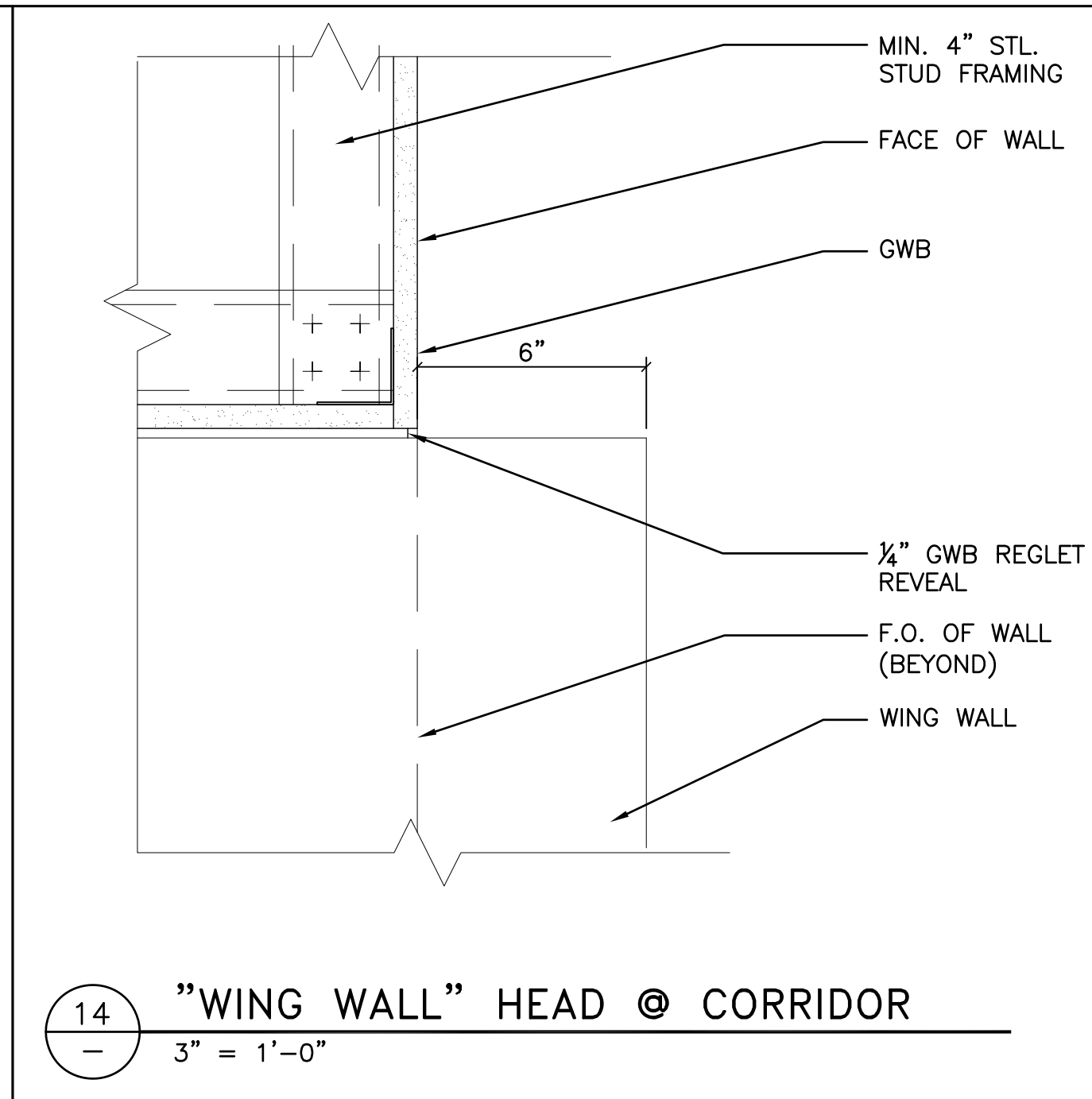
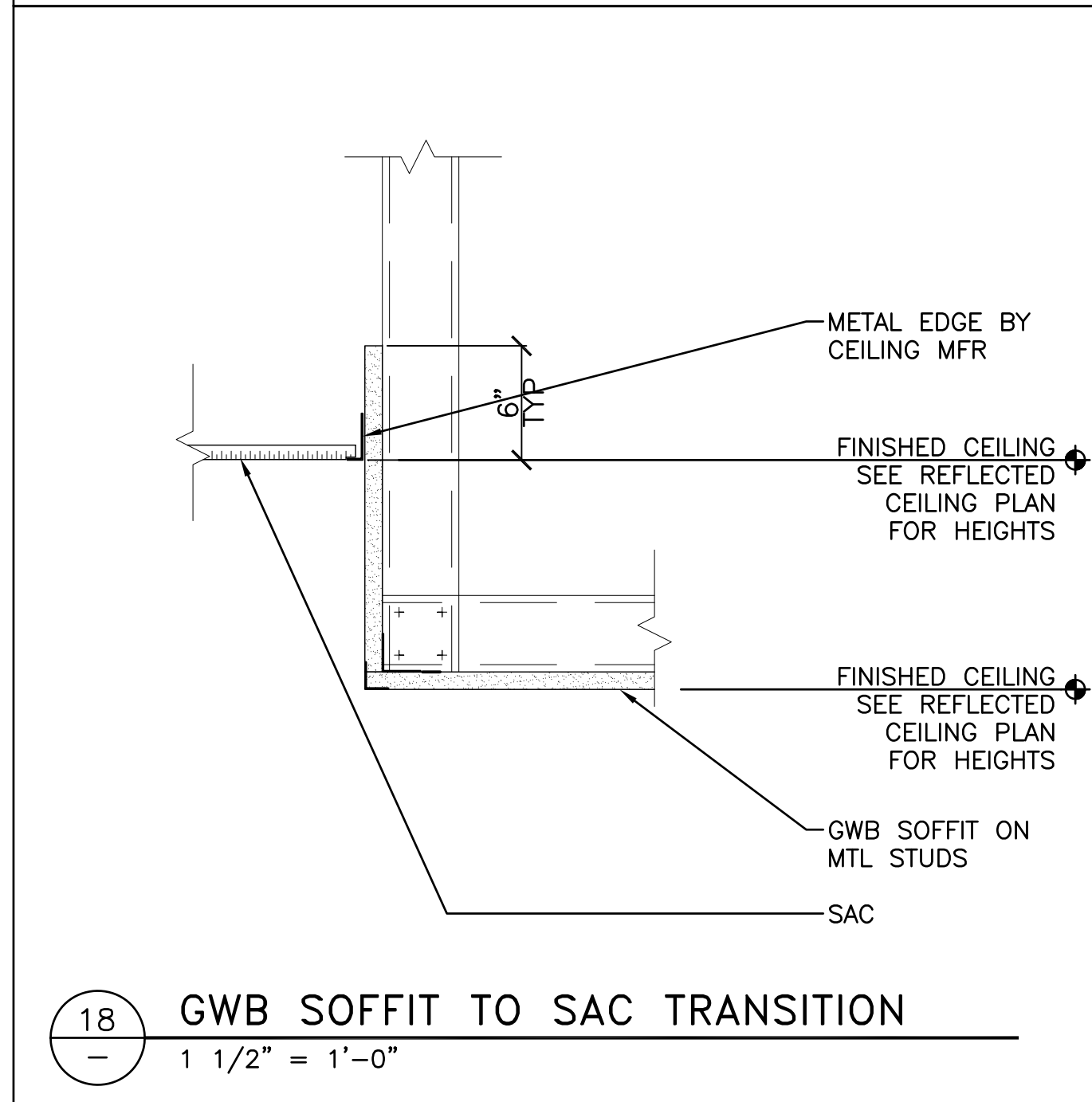
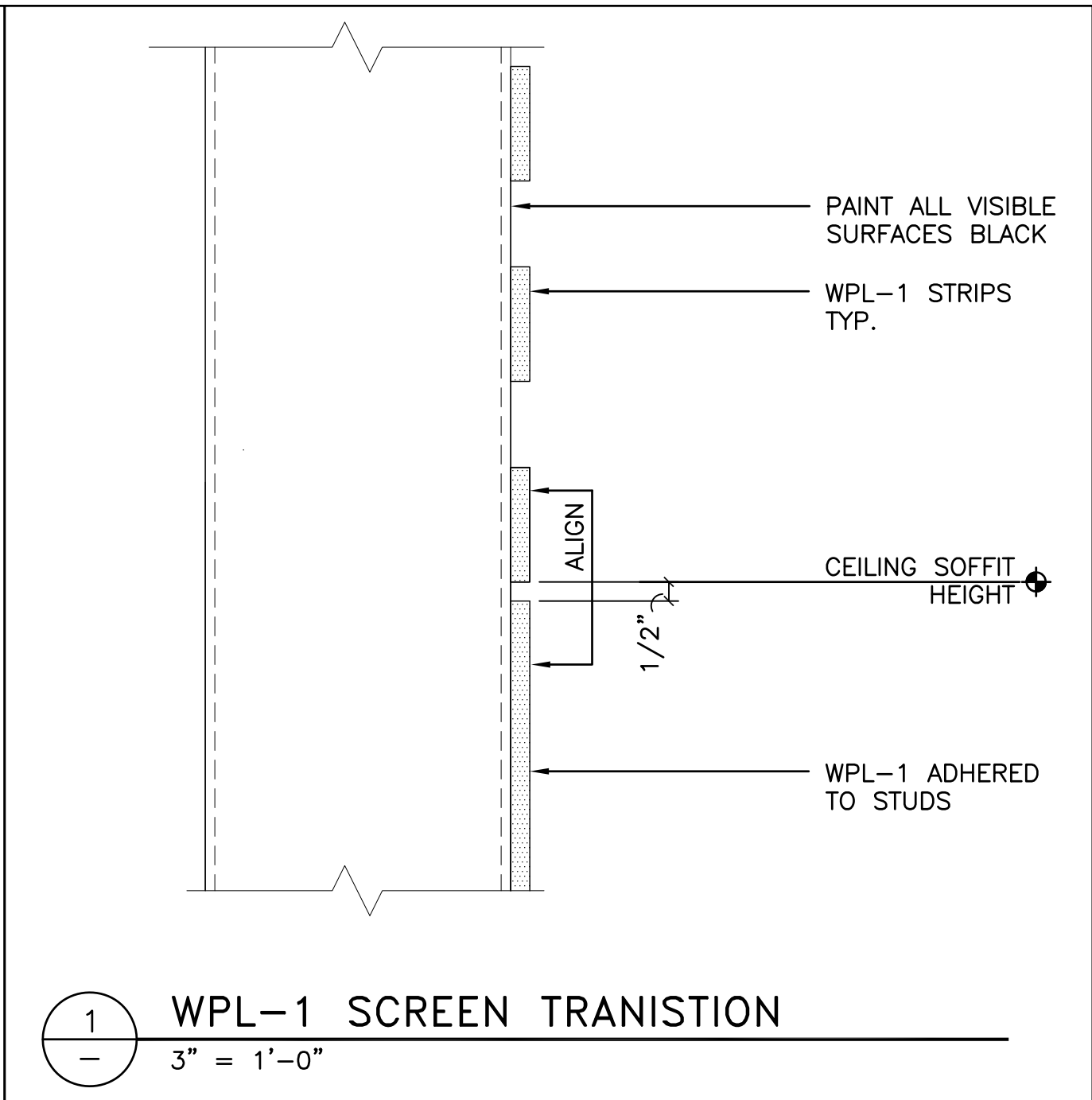
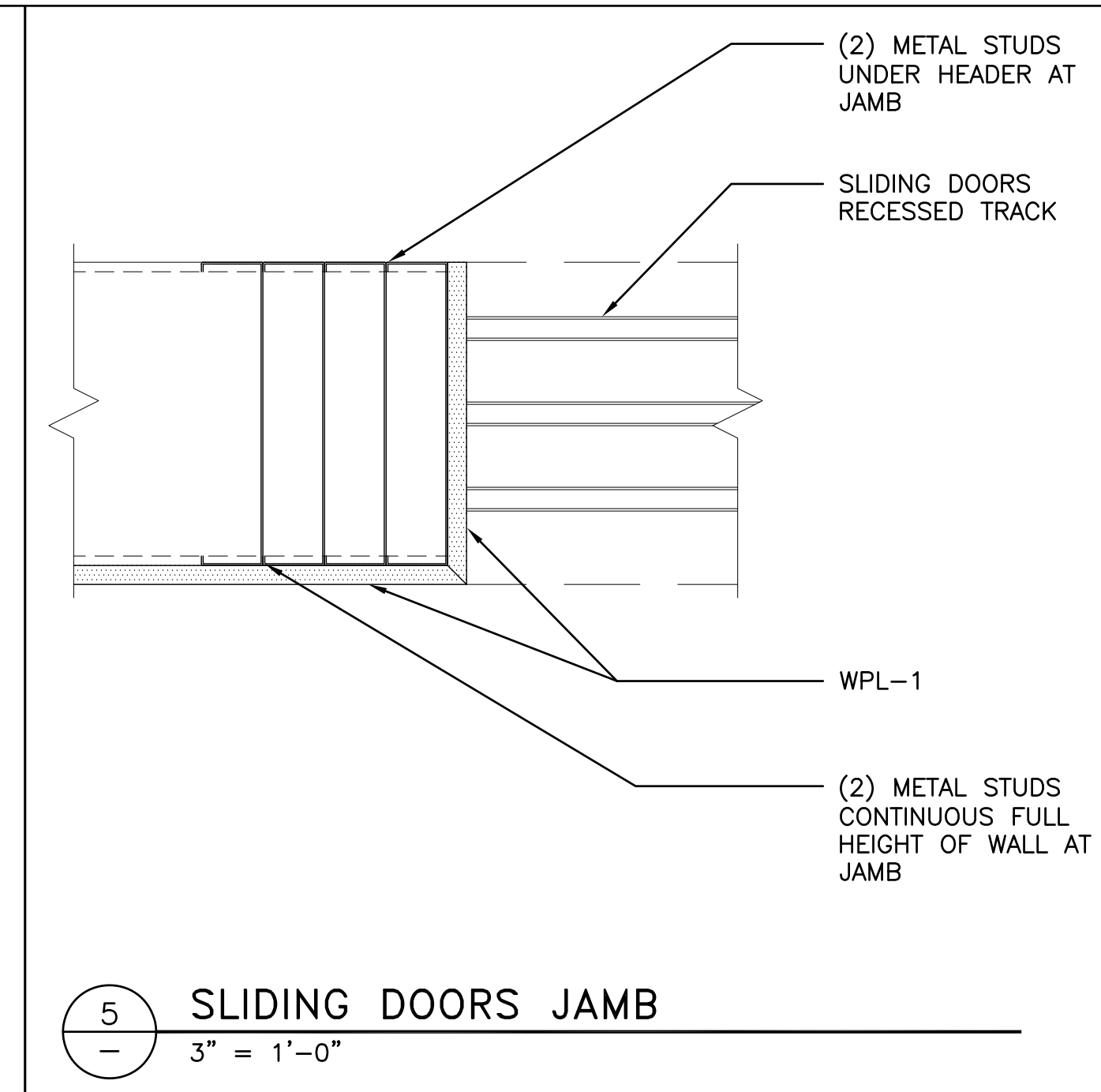
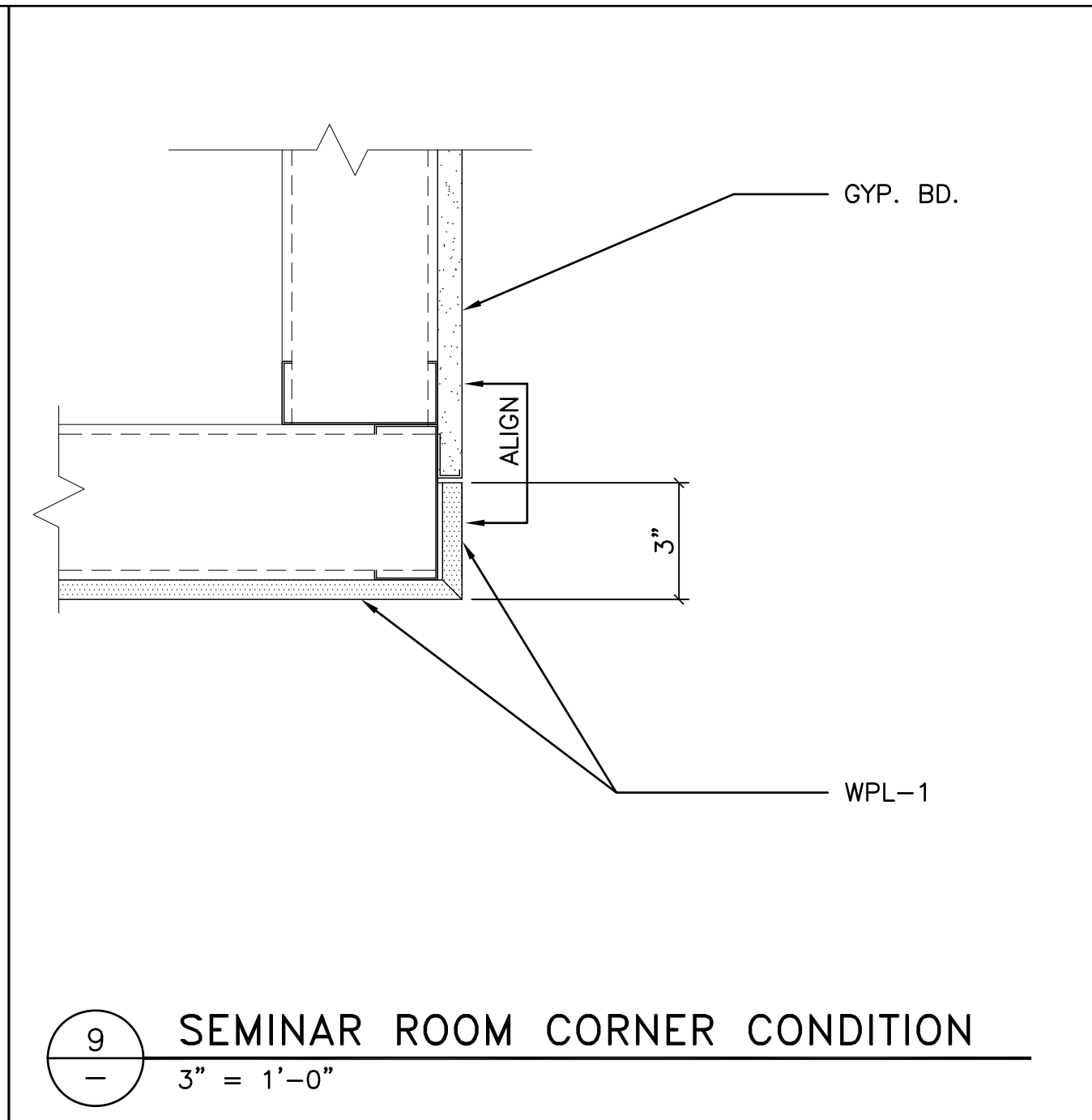
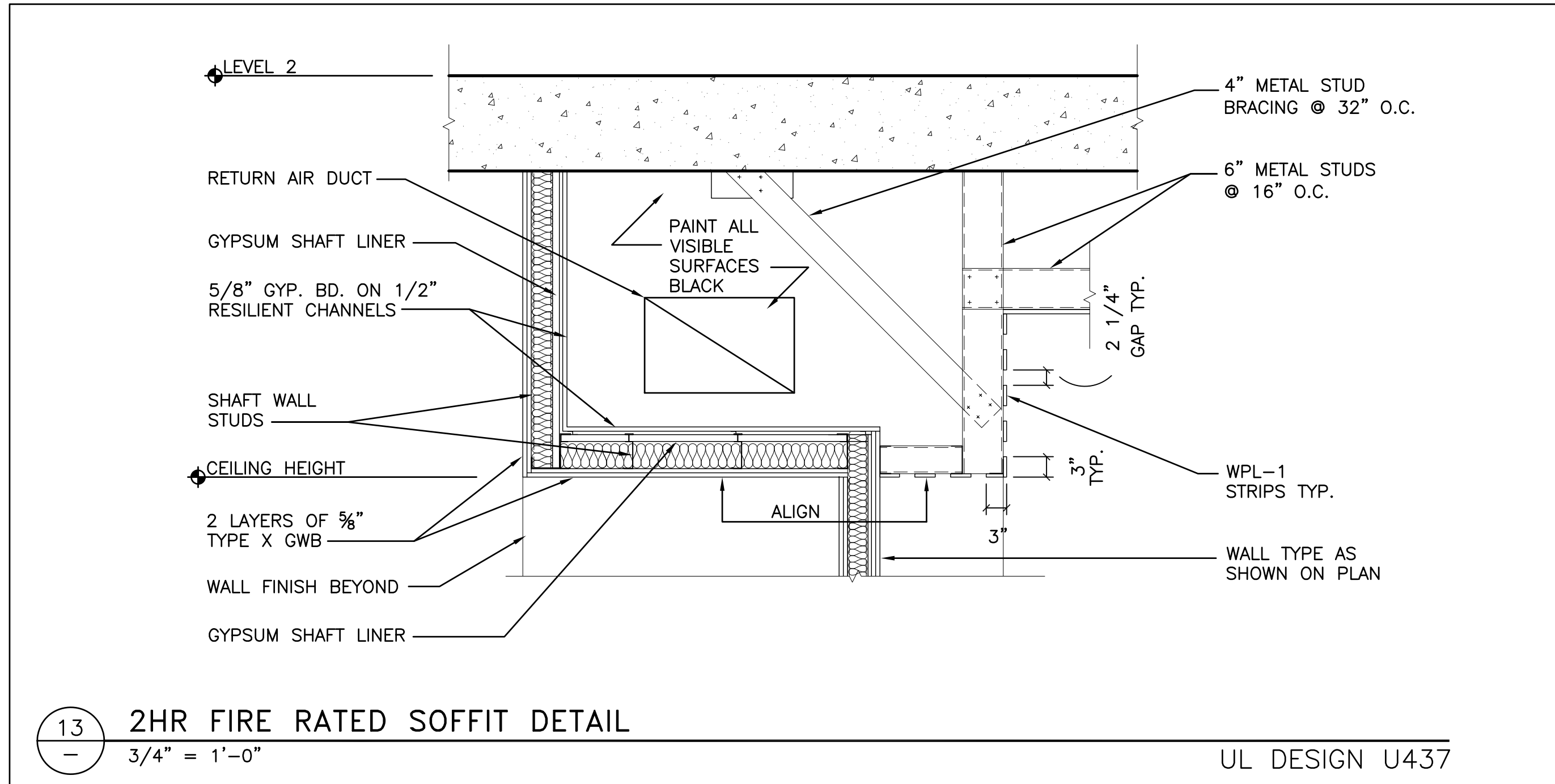
KEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION

UNIVERSITY OF
Nebraska
Lincoln

DESIGNED BY:
DRAWN BY:
CHECKED BY:
DATE:
MAY 26, 2011
PROJECT NO.:
102002

SHEET TITLE:
ARCHITECTURAL
EXTERIOR DETAILS

SHEET NO.
NVA-7605



17

NOT USED

NO SCALE

18

WALL PANEL @ ACCESS PANEL HINGE

3" = 1'-0"

13

NOT USED

NO SCALE

14

NOT USED

3" = 1'-0"

9

NOT USED

NO SCALE

10

NOT USED

3" = 1'-0"

5

NOT USED

NO SCALE

6

NOT USED

3" = 1'-0"

1

WING WALL AT RESTROOMS

3" = 1'-0"

2

SECTION @CORRIDOR ACT CEILING

3" = 1'-0"

18

WALL PANEL @ ACCESS PANEL HINGE

3" = 1'-0"

19

WALL PANEL @ ACCESS PANEL

3" = 1'-0"

14

NOT USED

3" = 1'-0"

15

NOT USED

3" = 1'-0"

10

NOT USED

3" = 1'-0"

11

NOT USED

3" = 1'-0"

6

NOT USED

3" = 1'-0"

7

AWT PANEL CORNER

3" = 1'-0"

2

SECTION @CORRIDOR ACT CEILING

3" = 1'-0"

3

NOT USED

3" = 1'-0"

19

WALL PANEL @ ACCESS PANEL

3" = 1'-0"

20

WALL PANEL @ ACCESS PANEL SILL

3" = 1'-0"

15

NOT USED

3" = 1'-0"

16

NOT USED

1 1/2" = 1'-0"

11

NOT USED

3" = 1'-0"

12

NOT USED

3" = 1'-0"

7

AWT PANEL CORNER

3" = 1'-0"

8

NOT USED

3" = 1'-0"

3

NOT USED

3" = 1'-0"

4

SECTION @ WALL GUARD

3" = 1'-0"

20

WALL PANEL @ ACCESS PANEL SILL

3" = 1'-0"

21

NOT USED

3" = 1'-0"

16

NOT USED

1 1/2" = 1'-0"

17

NOT USED

3" = 1'-0"

12

NOT USED

3" = 1'-0"

13

NOT USED

3" = 1'-0"

8

NOT USED

3" = 1'-0"

9

NOT USED

3" = 1'-0"

4

SECTION @ WALL GUARD

3" = 1'-0"

5

NOT USED

3" = 1'-0"

C:\Users\Rockwell\OneDrive\Documents\NVA-7610.dwg "NVA-7610.dwg" 3/29/21 12:25pm (right)

IDC ARCHITECTS

2020 SW 4th Ave., Third Floor
Portland, Oregon 97201
503.228.1100
idcarchitects.com

402195

PROJ #

FARRIS ENGINEERING

OMAHA | LINCOLN | DES MOINES | COLORADO SPRINGS

farris-usa.com

ARCHITECT

F. JEFFREY MURRAY

A-3526

STATE OF NEBRASKA

COPYRIGHT: This document and the information contained may not be reproduced or excerpted without the written permission of Farris Engineering, Inc. Unlawful copying, disclosure or construction use are prohibited by the copyright law.

REVISIONS

ADD 3 03-30-2012

KEN MORRISON LIFE SCIENCES

RESEARCH CENTER ADDITION

UNIVERSITY OF NEBRASKA

Lincoln

DESIGNED BY:

DRAWN BY:

CHECKED BY:

DATE:

MAY 26, 2011

PROJECT NO.:

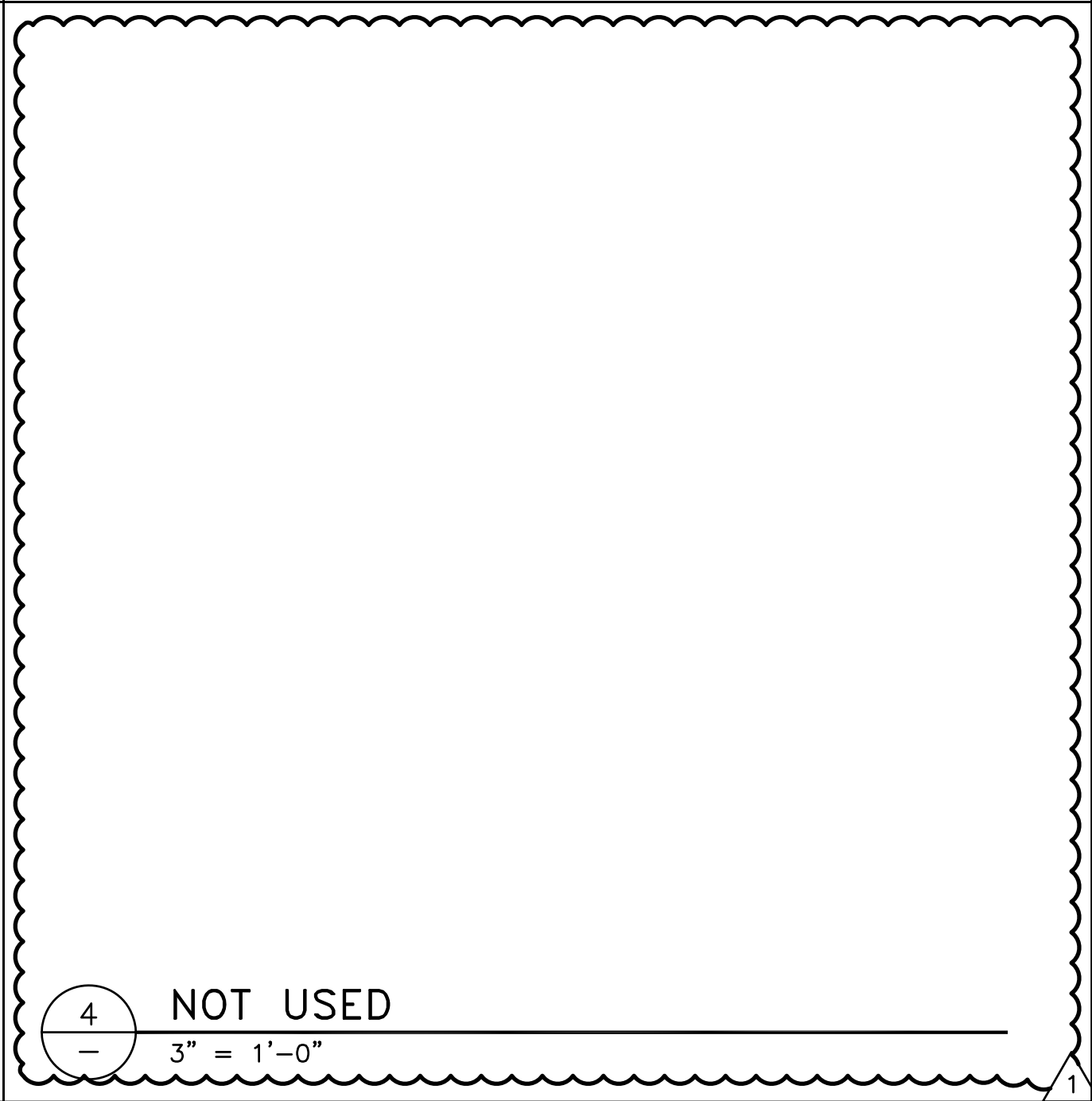
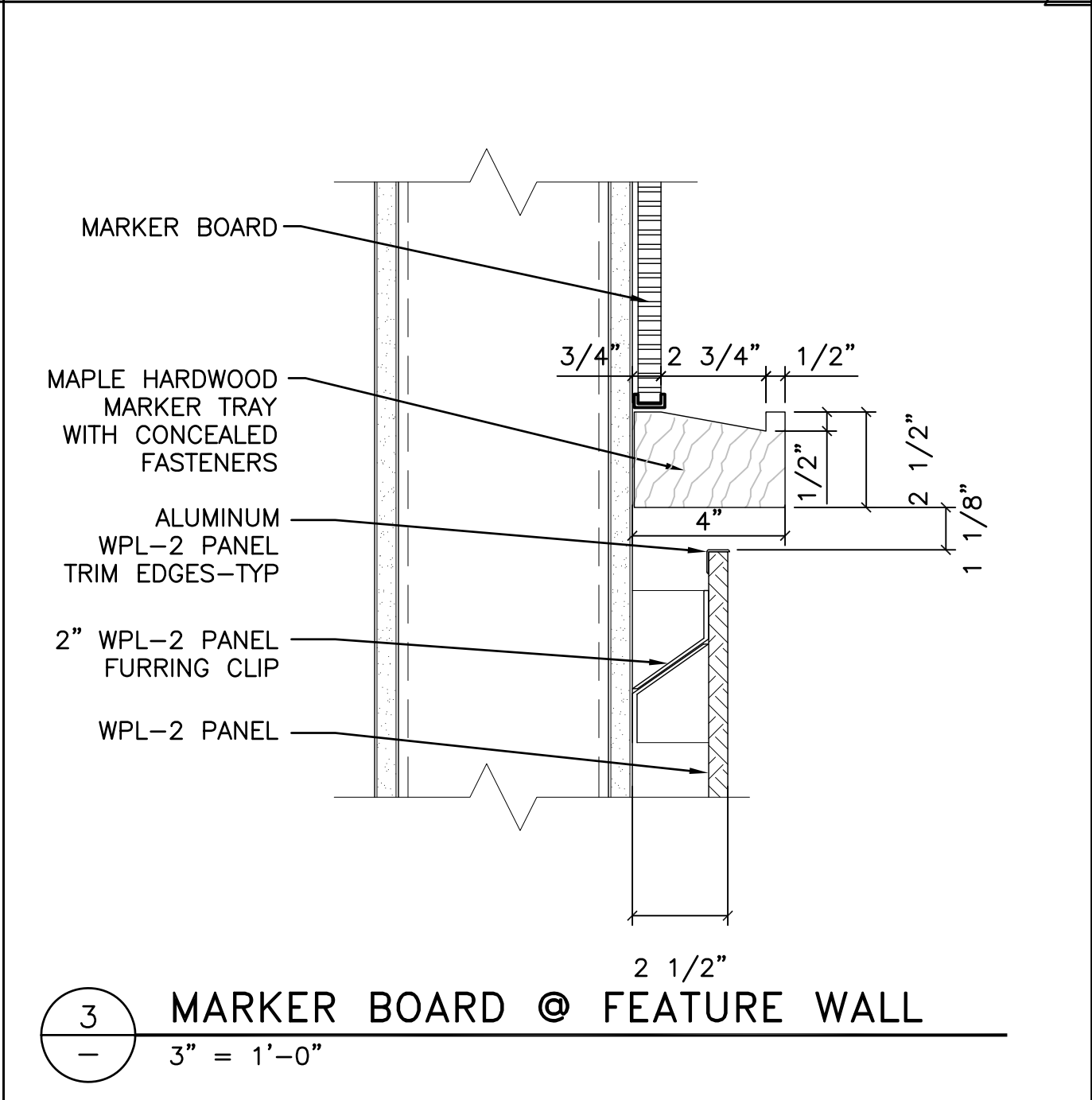
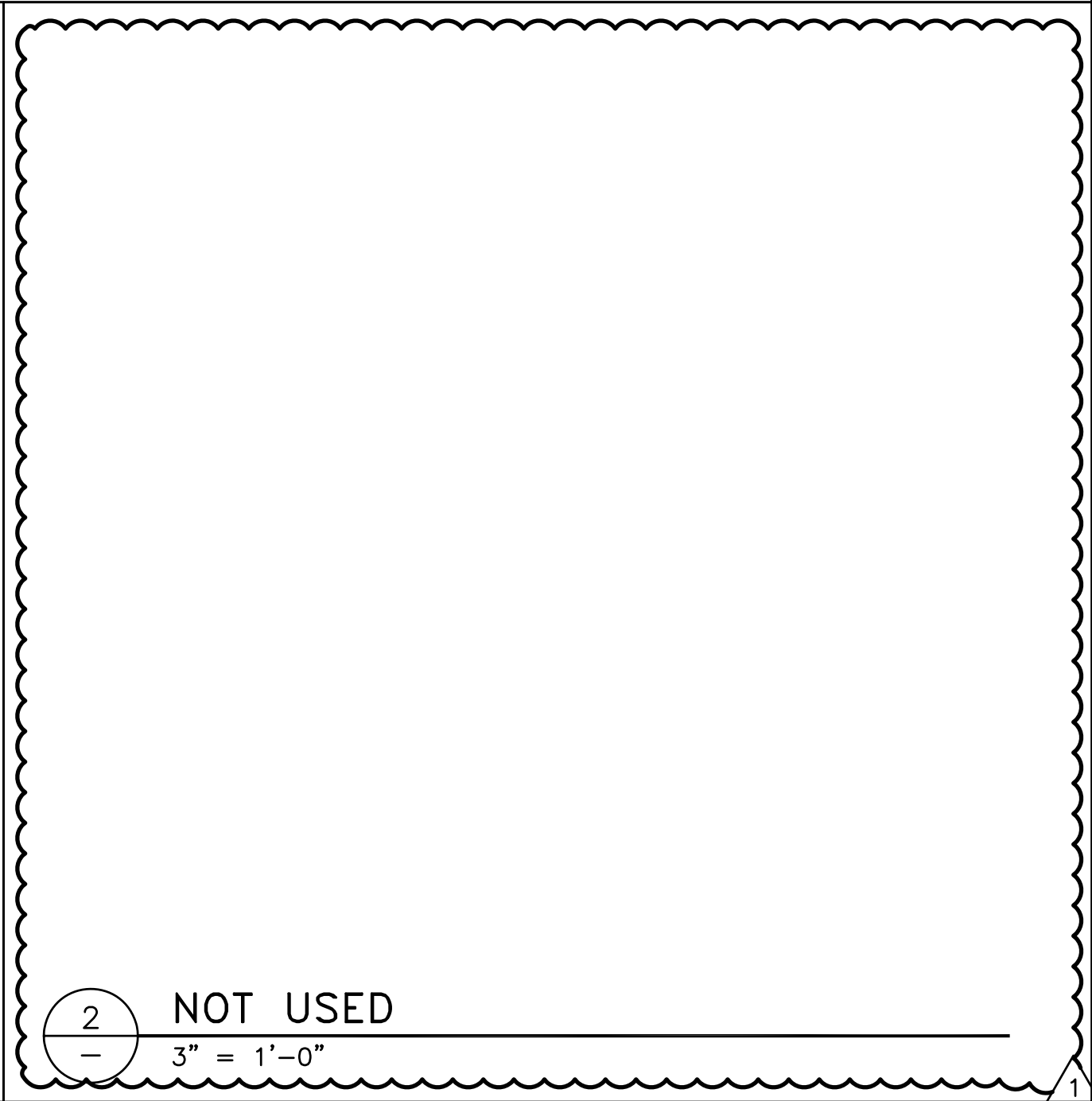
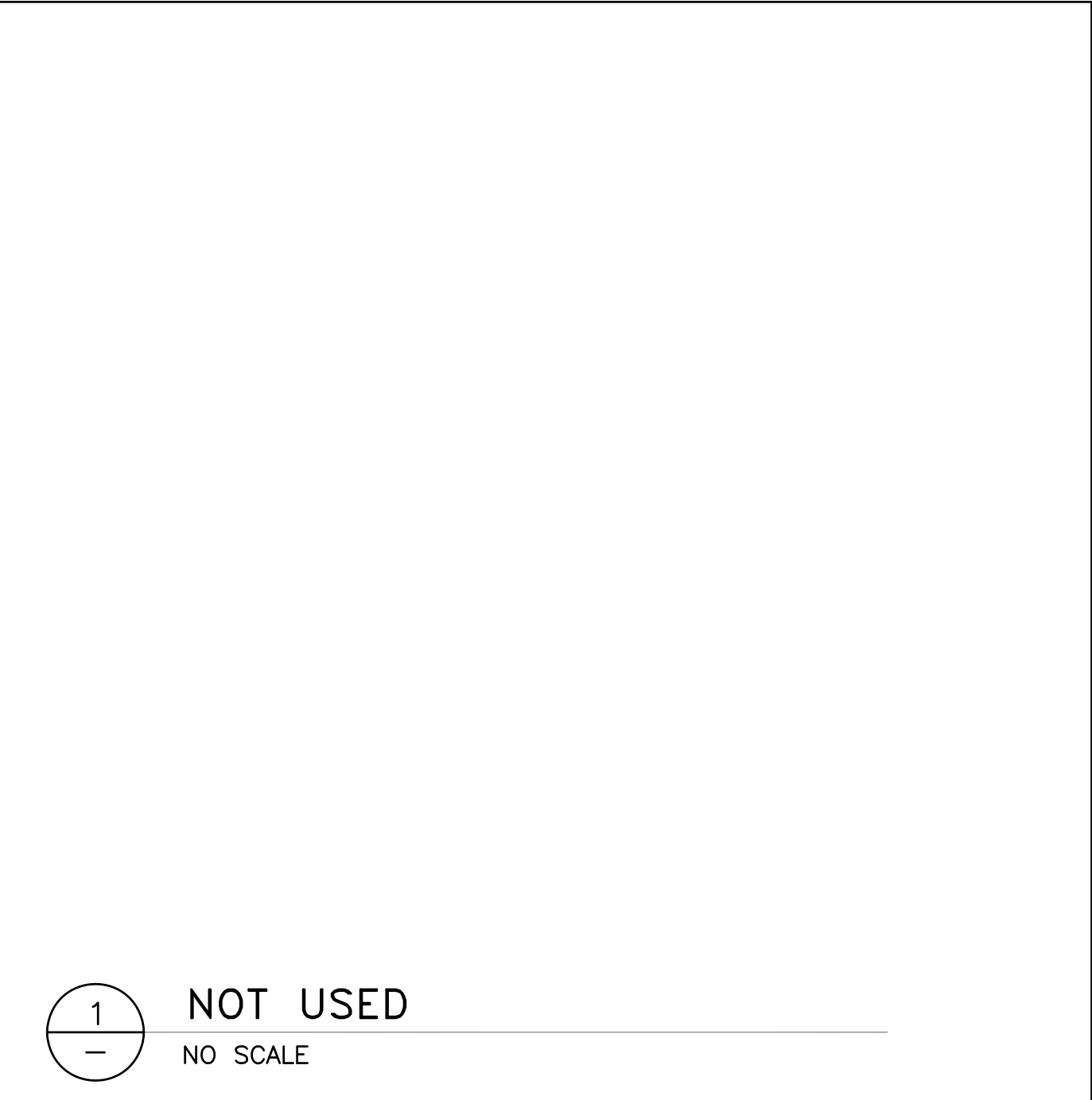
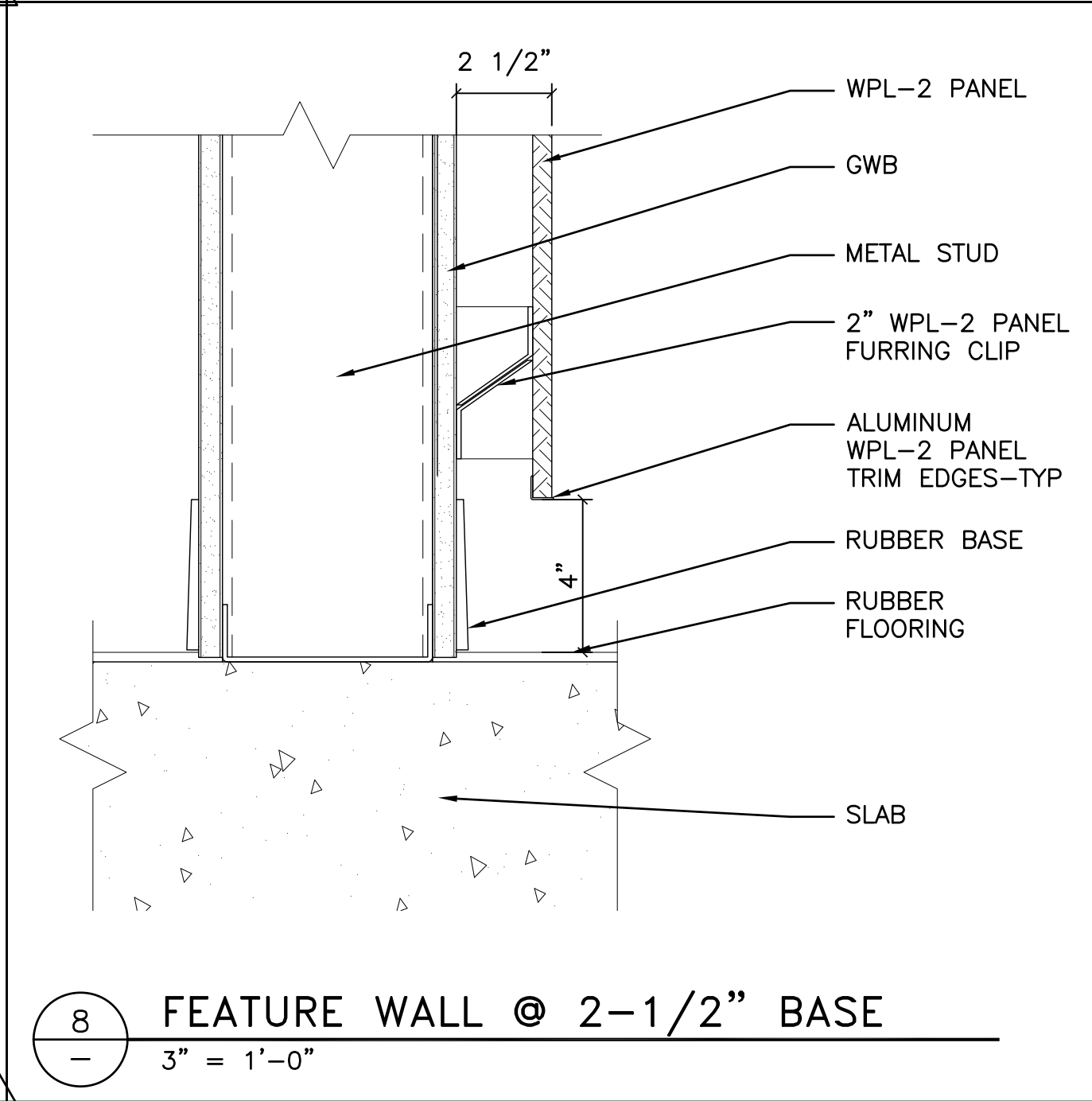
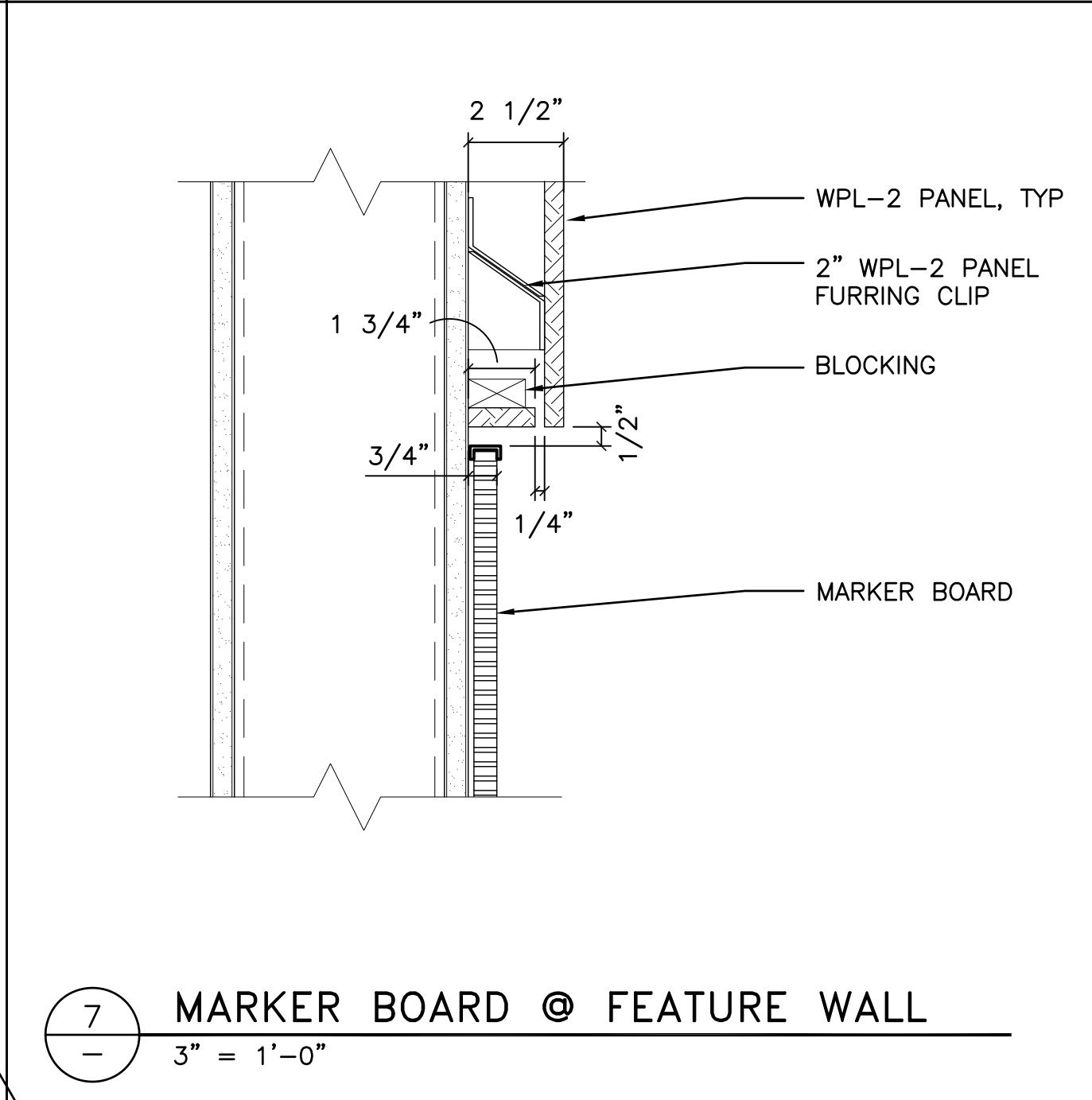
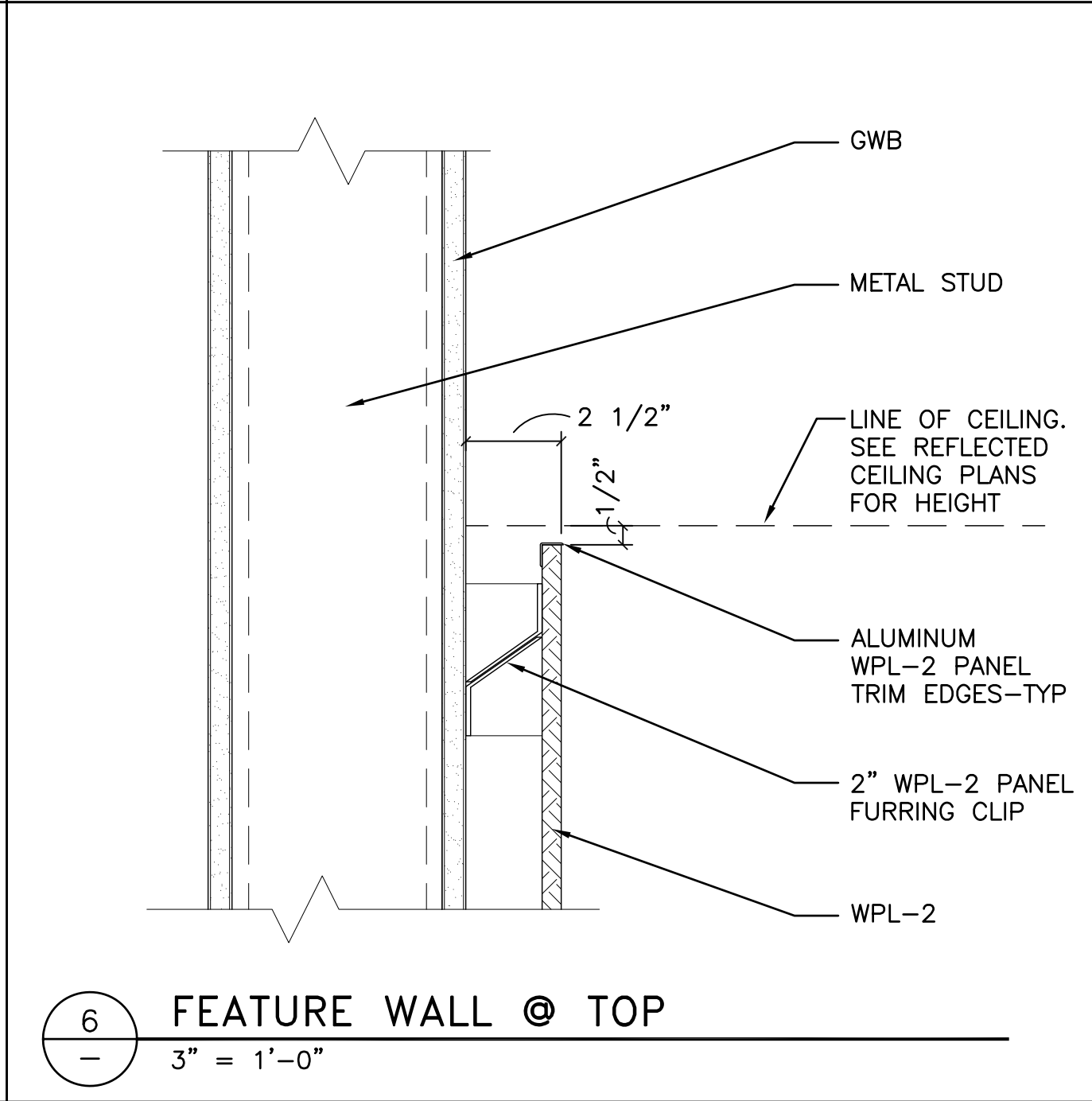
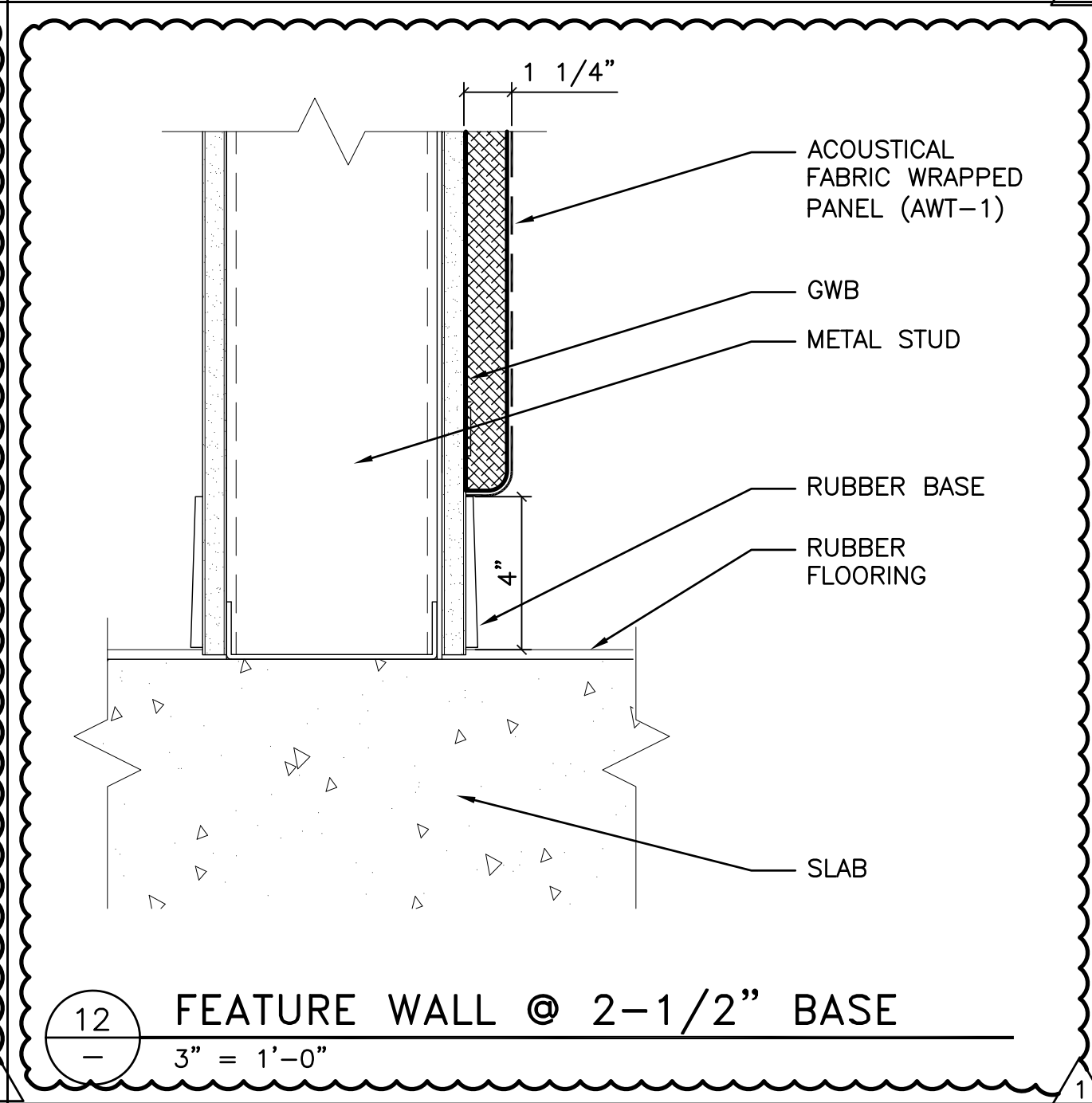
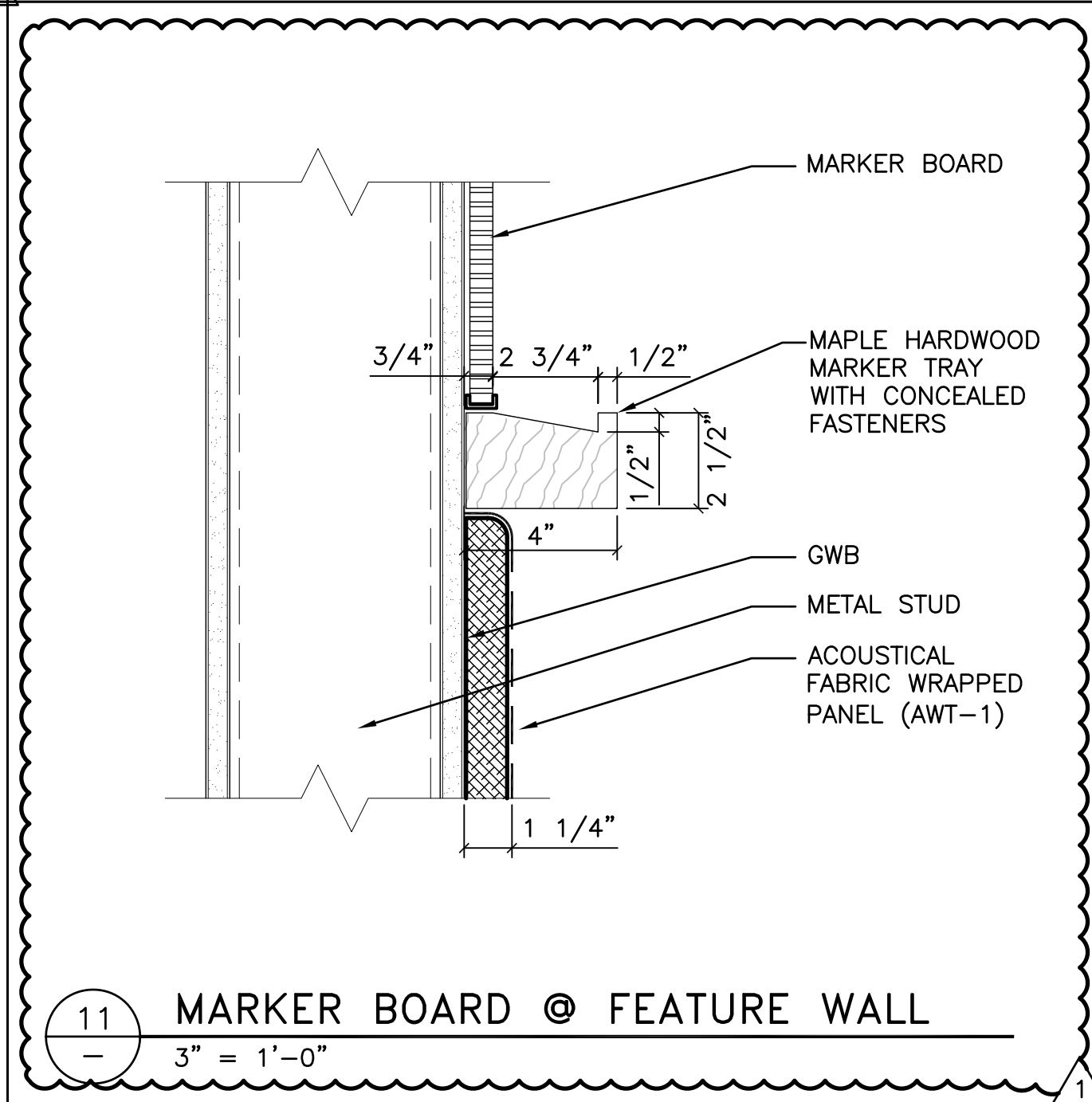
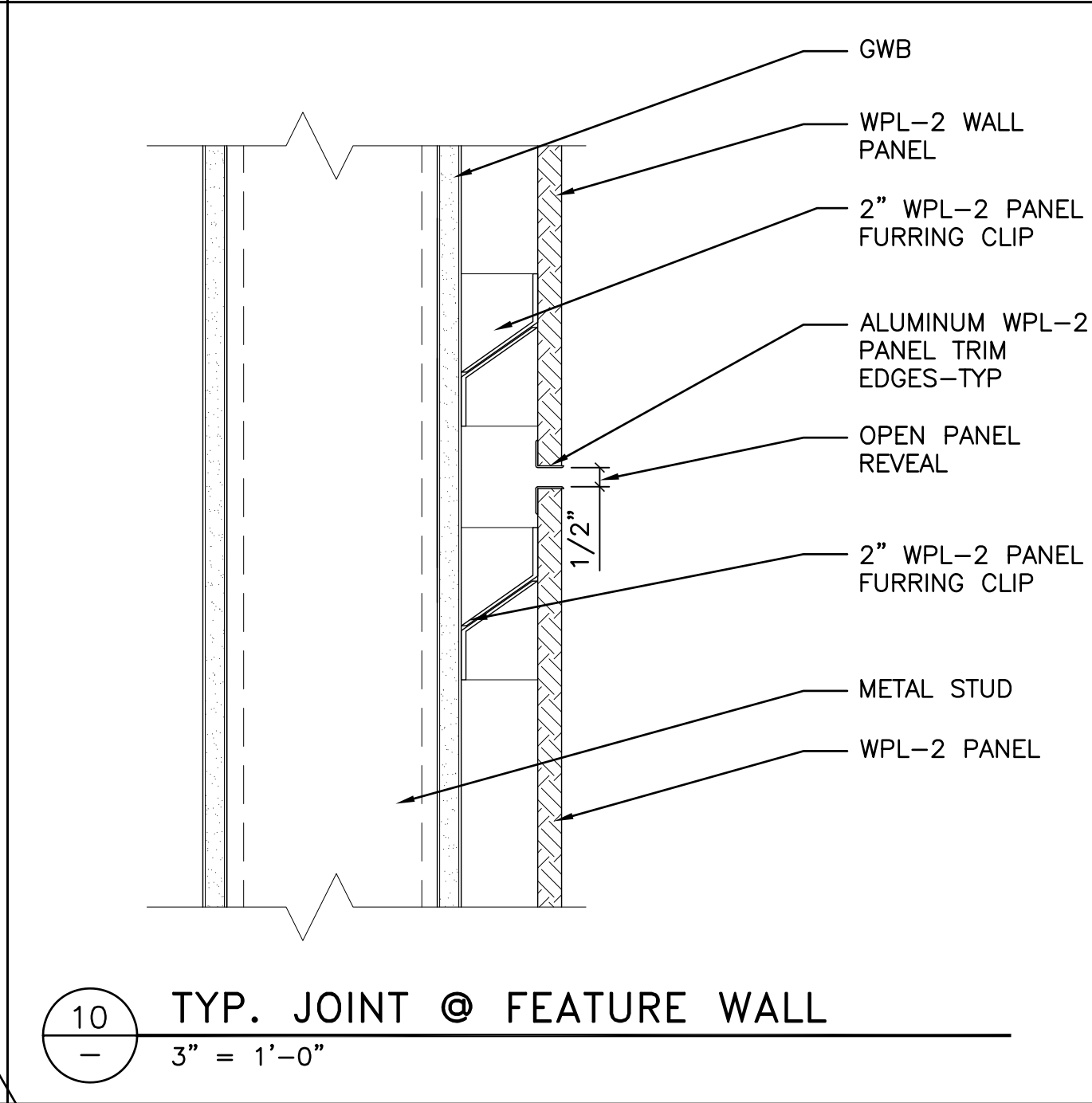
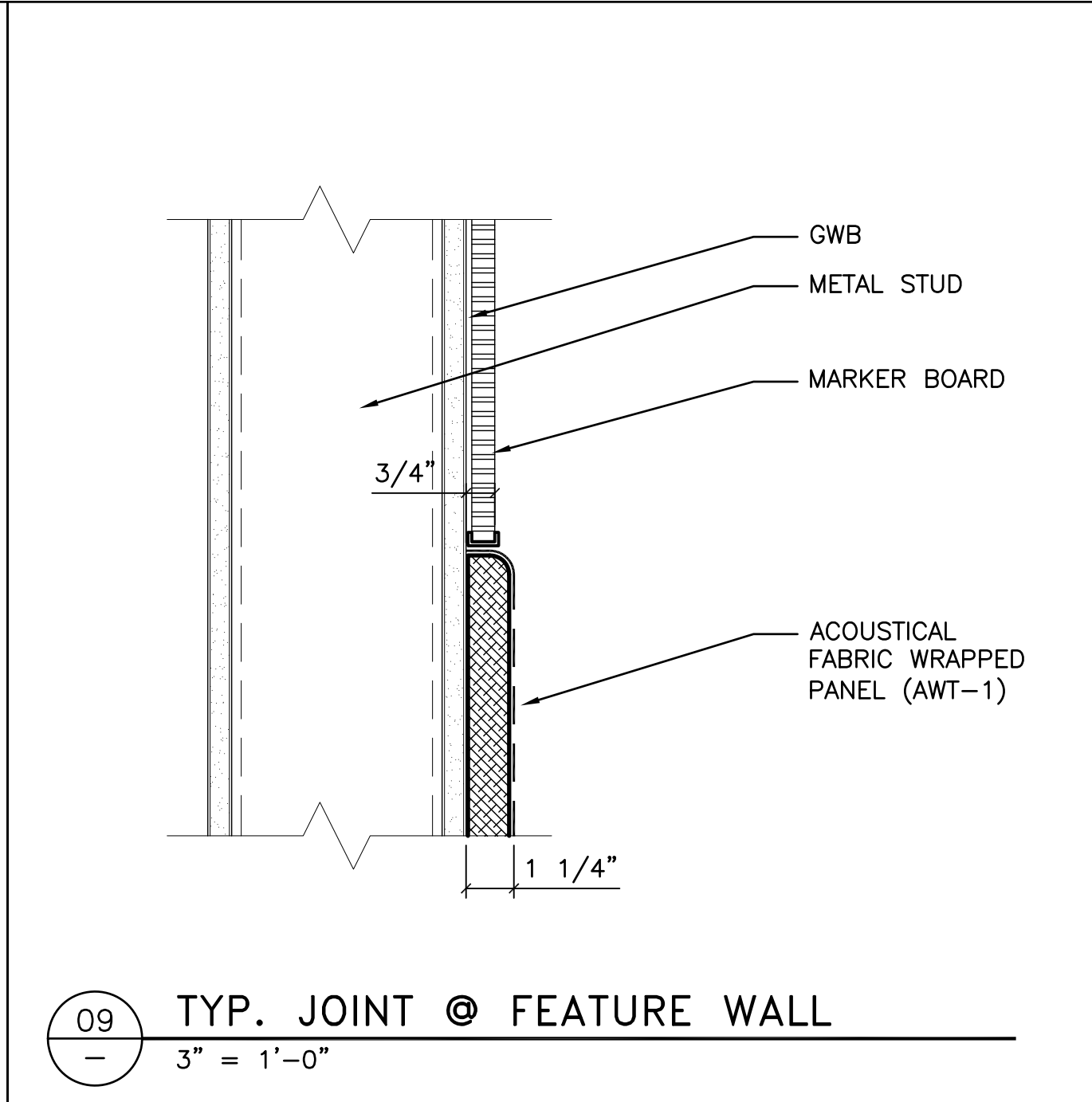
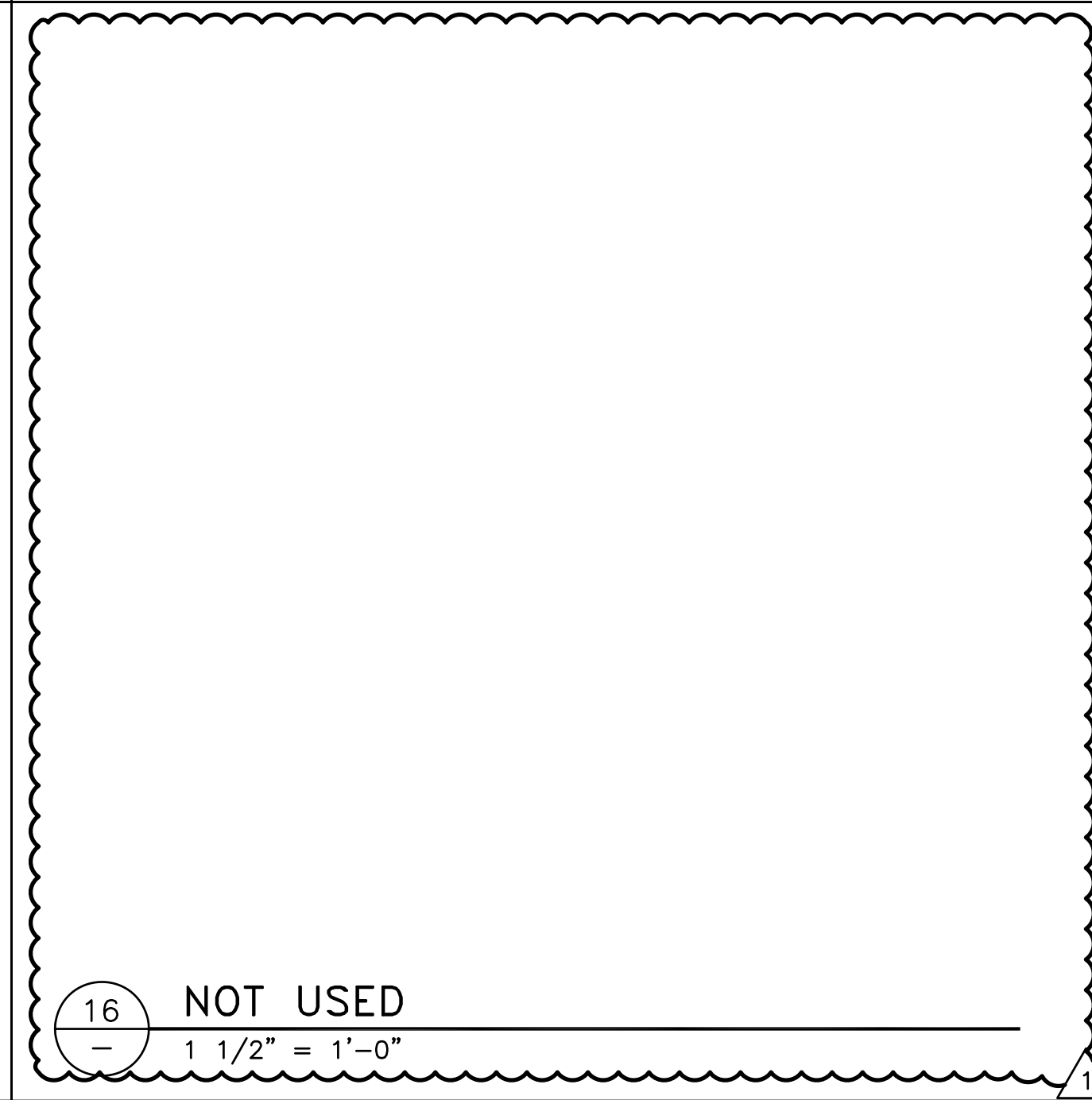
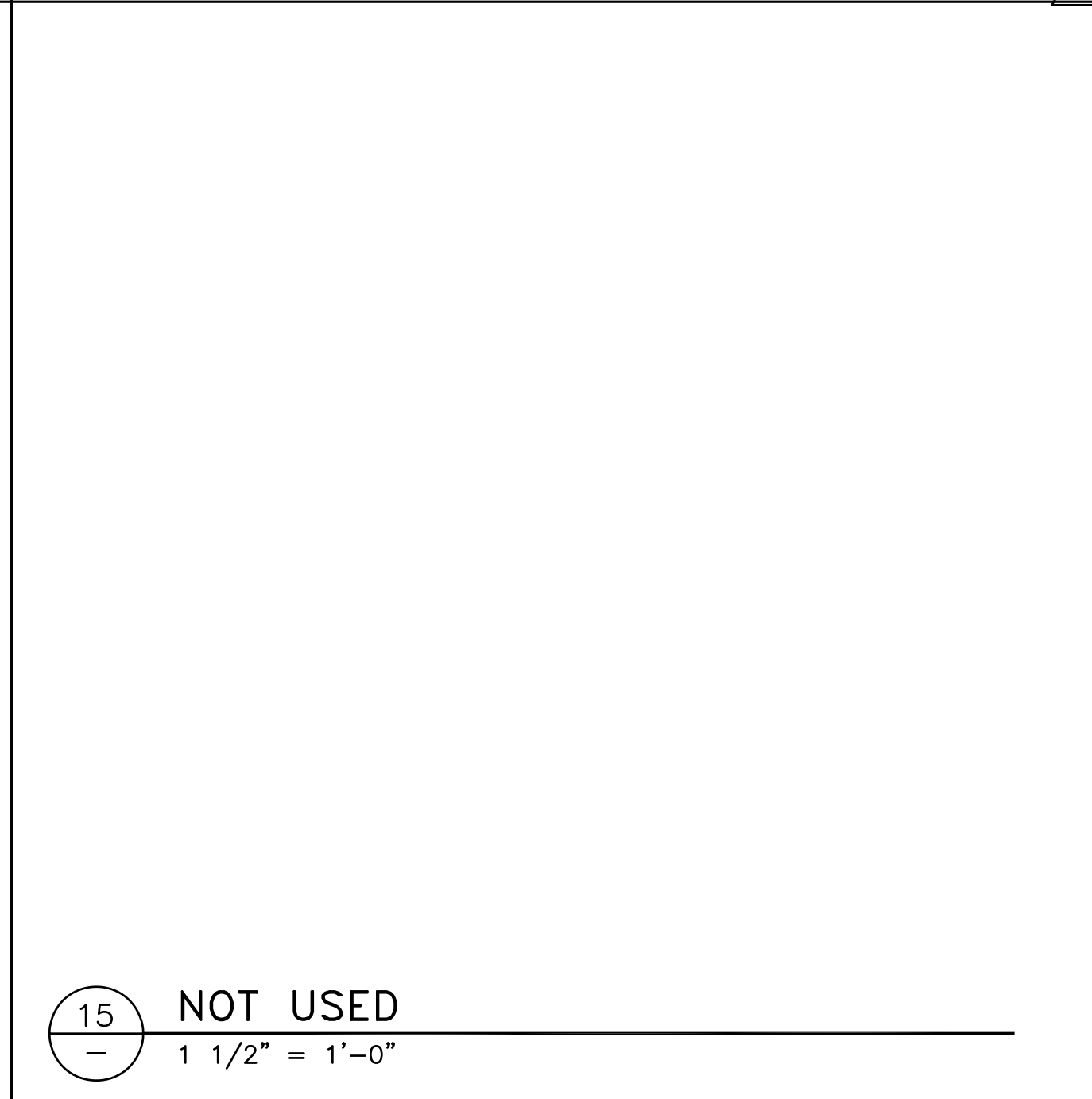
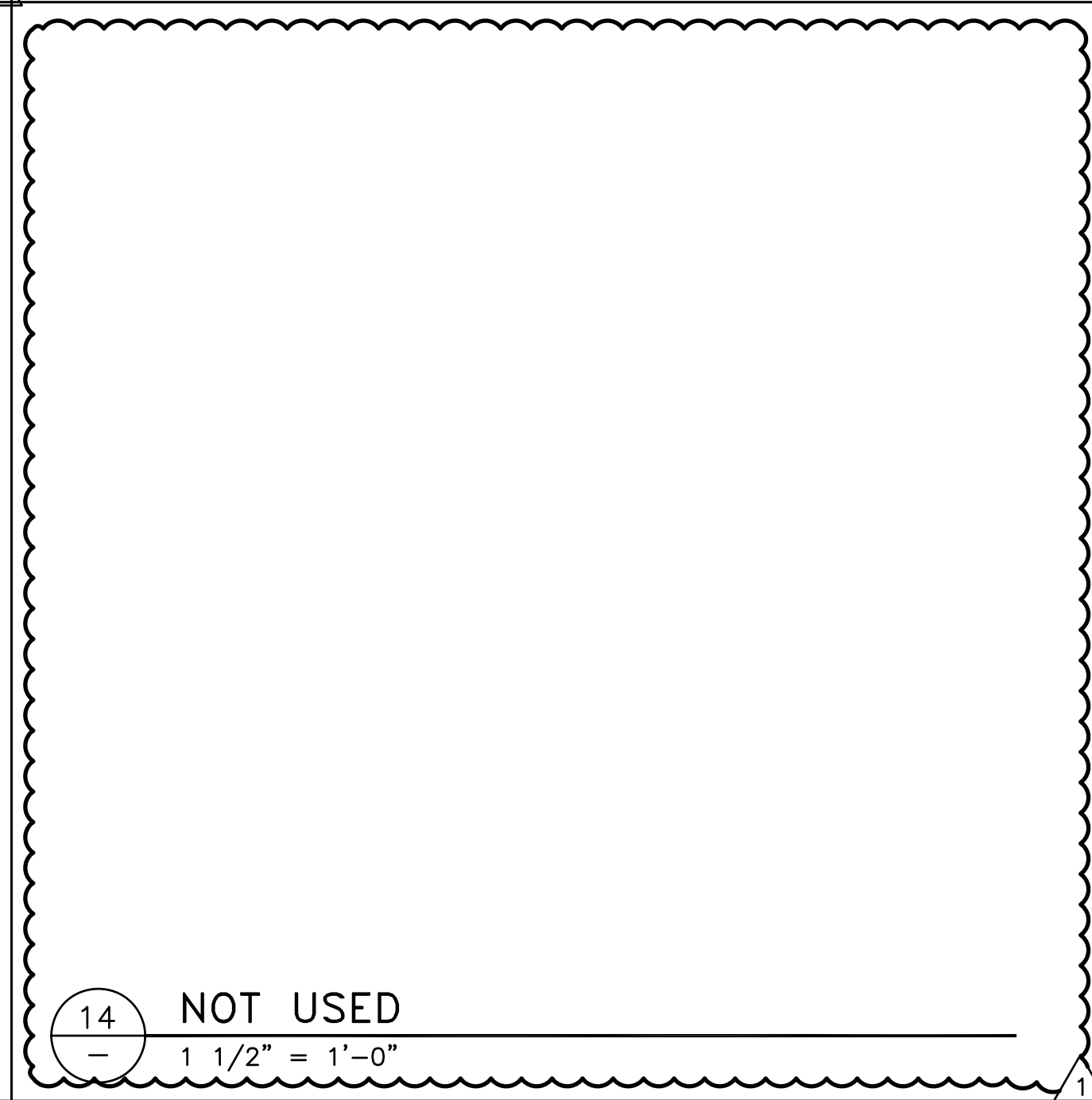
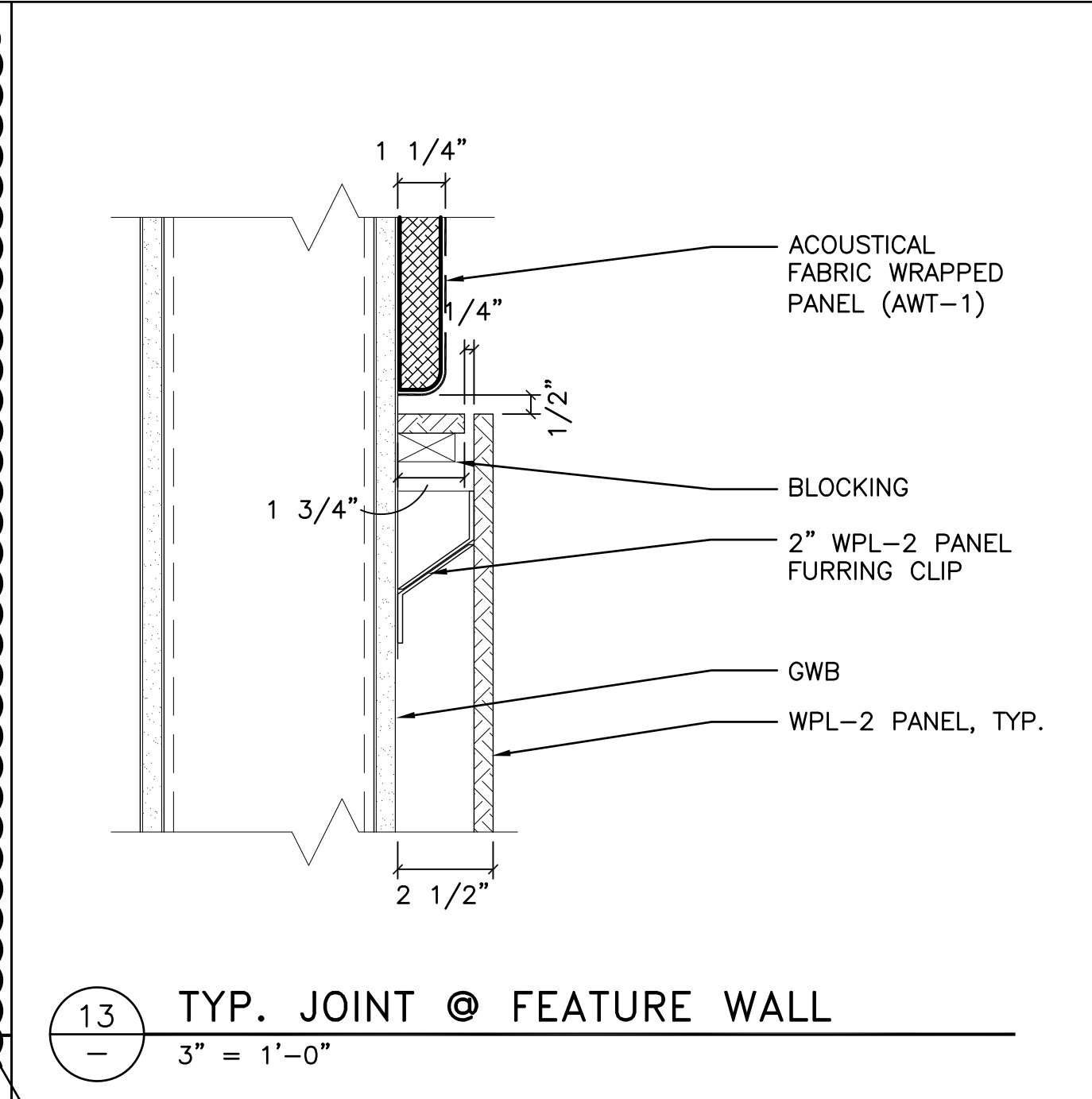
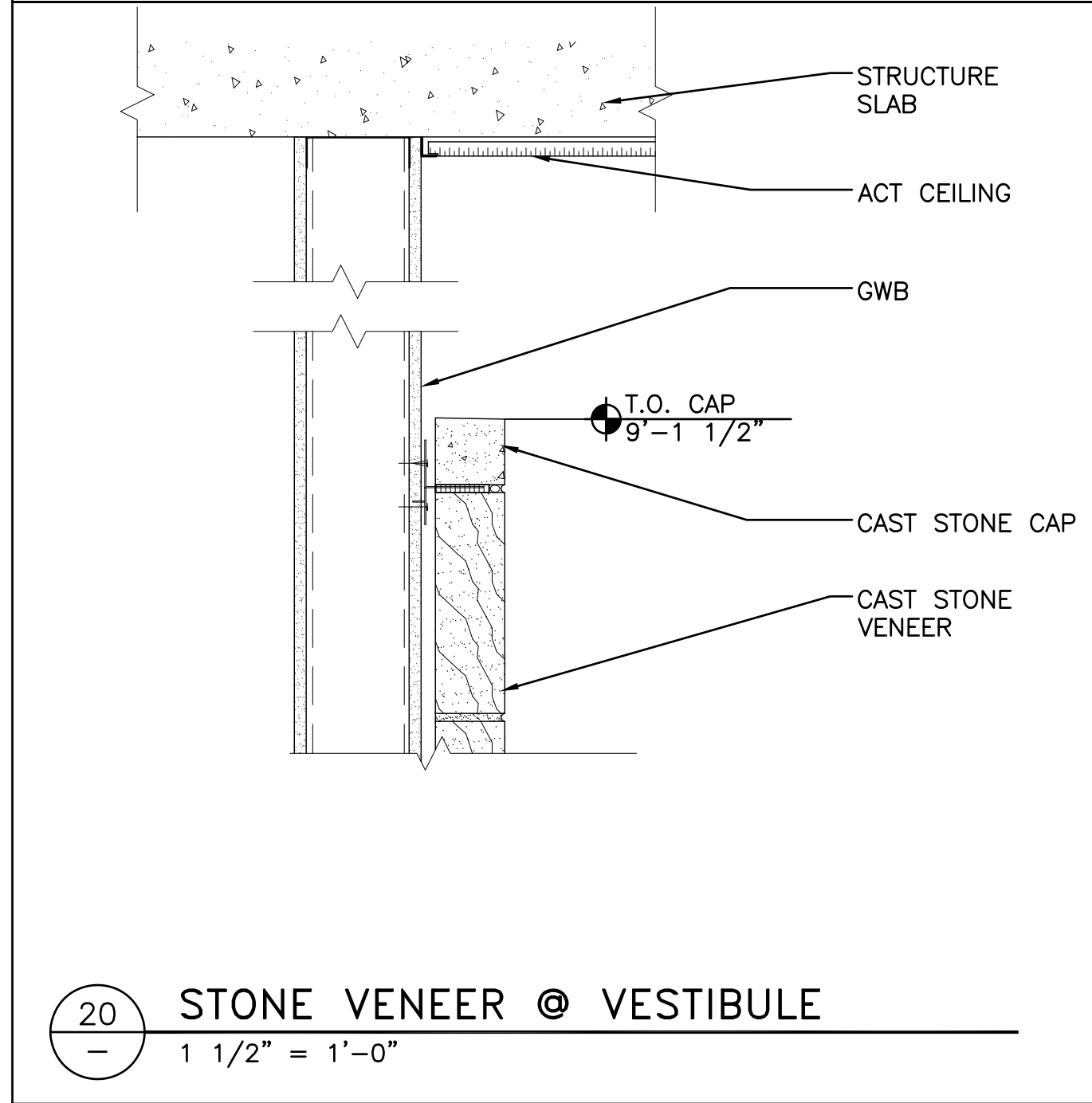
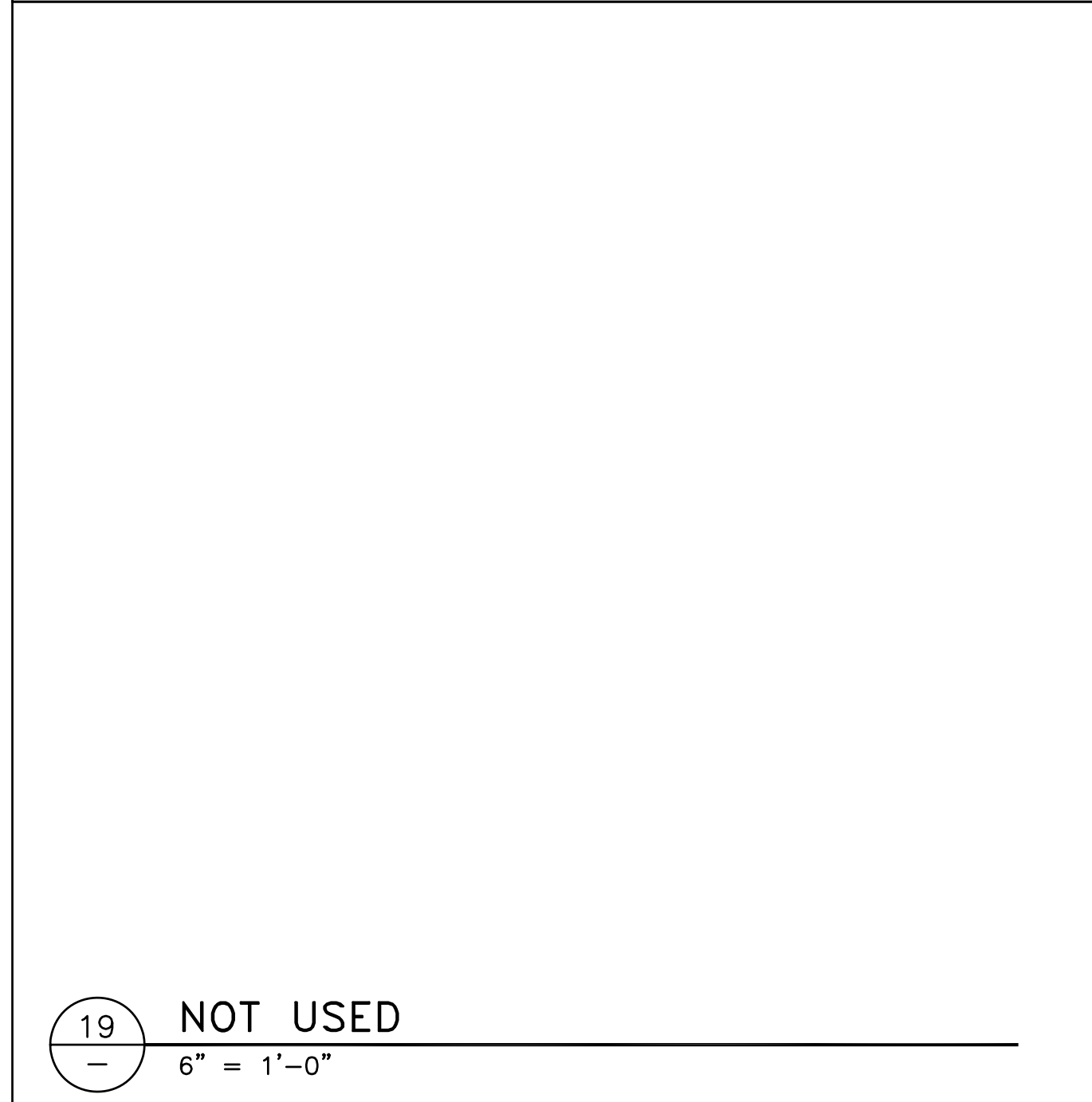
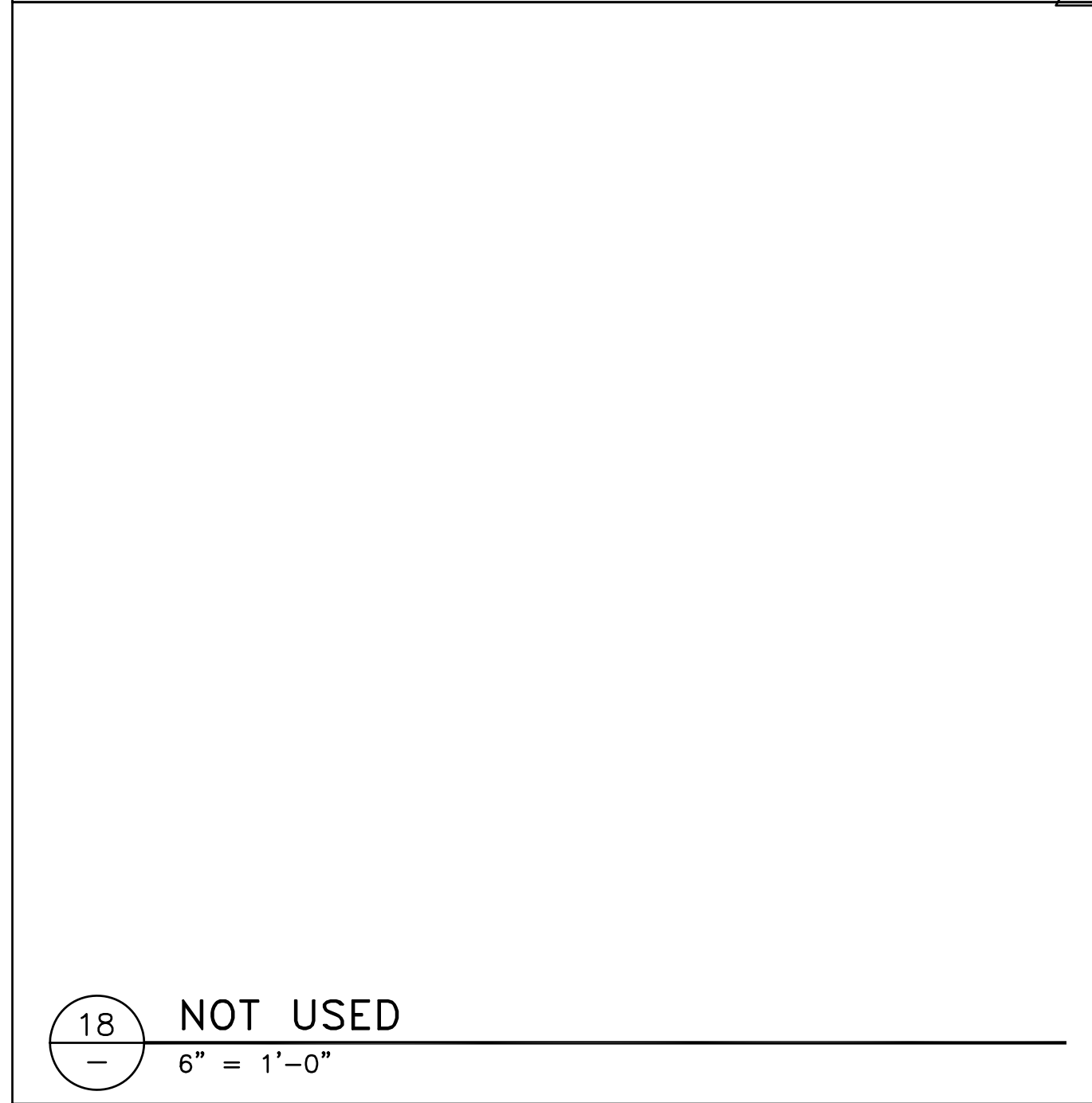
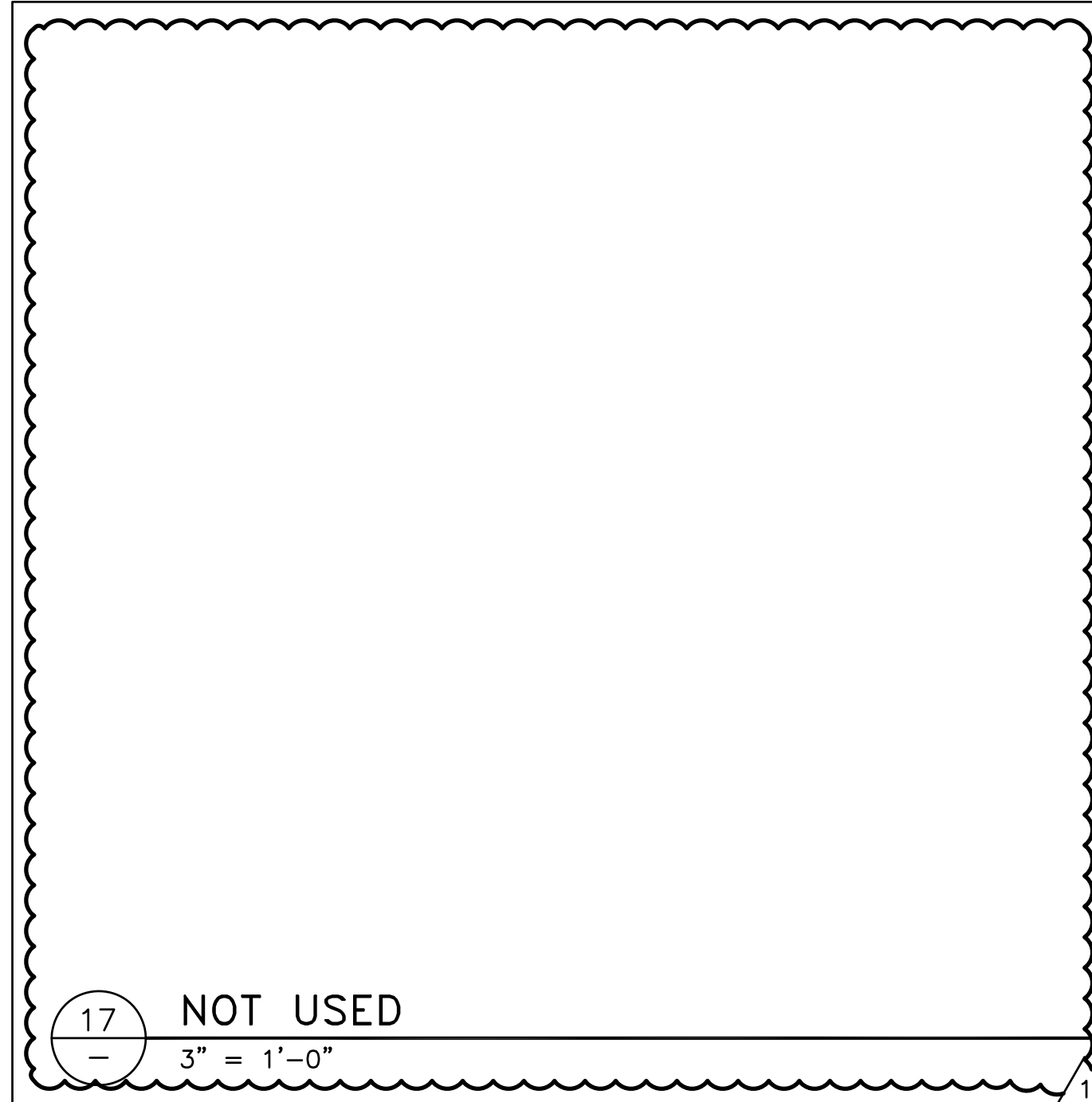
102002

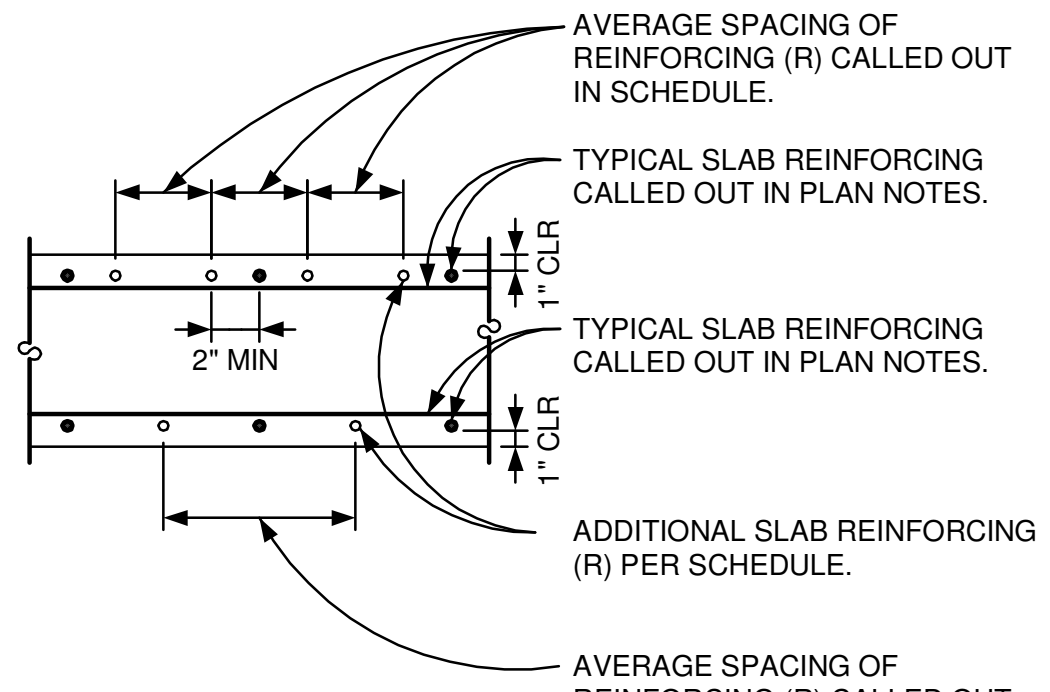
SHEET TITLE:

ARCHITECTURAL INTERIOR DETAILS

SHEET NO.

NVA-7610



SLAB REINFORCING (R) SCHEDULE		
934-02  NOTES: FOR ORIENTATION OF TOPMOST AND BOTTOMMOST REINFORCING, REFER TO SLAB KEYNOTES ON PLAN. FOR LOCATION OF REINFORCING IN SLAB, SEE TYPICAL DETAIL 10/NVS-7604 AND 11/NVS-7601. WHERE SLAB REINFORCING (R) IS NOT MODULAR WITH TYPICAL SLAB REINFORCING, ALTER SPACING OF SLAB REINFORCING LOCALLY TO AVOID CONGESTION BUT MAINTAIN AVERAGE SPACING.		
MARK	REINFORCING	REMARKS
R1	2 #6 x 16'-0" AT 10" O.C.	TOP
R2	4 #6 x 16'-0" AT 10" O.C.	TOP
R3	6 #6 x 16'-0" AT 10" O.C.	TOP
R4	10 #6 x 18'-0" AT 10" O.C.	TOP
R5	12 #6 x 18'-0" AT 10" O.C.	TOP
R6	3 #6 x 20'-0" AT 10" O.C.	BOTTOM
R7	4 #6 x 22'-0" AT 10" O.C.	BOTTOM
R8	5 #6 x 22'-0" AT 10" O.C.	BOTTOM
R9	3 #6 x 25'-0" AT 10" O.C.	BOTTOM
R10	5 #6 x 25'-0" AT 10" O.C.	BOTTOM
R11	6 #6 x 26'-8" AT 10" O.C.	BOTTOM
R12	4 #6 x 18'-8" AT 10" O.C.	BOTTOM
R13	6 #6 x 26'-8" AT 10" O.C.	TOP
R14	6 #6 x 44'-0" AT 10" O.C.	TOP
R15	3 #6 x 12'-0" AT 10" O.C.	BOTTOM
R16	6 #6 x 28'-0" AT 10" O.C.	BOTTOM

COLUMN (C) SCHEDULE											
913-02											
MARK	SIZE	BASE PLATE				ANCHOR RODS					REMARKS
		THICKNESS	"A" DIM	"B" DIM	DETAIL	NO.	SIZE	GRADE	EMBED	TYPE	
C1	W8 X 24	3/4"	14"	14"	10/ NVS-7602	4	3/4"	36	7"	B	---
C2	W12 X 53	2 1/2"	18"	18"	10/ NVS-7602	4	1 1/4"	55	24"	B	---
C3	HSS 5" X 5" X 3/8"	1"	12"	6"	12/ NVS-7632	2	3/4"	36	1'-6"	B	---
C4	P12	1"	18"	18"	12/ NVS-7602	4	3/4"	36	7"	B	---
C5	HSS 5" X 5" X 1/4"	3/4"	12"	12"	11/ NVS-7602	4	3/4"	36	7"	B	---
C6	HSS 4" X 4" X 1/4"	1/2"	5"	12"	2/ NVS-7653	2	1/2"	---	---	---	GALVANIZED
C7	HSS 4" X 4" X 1/4"	1/2"	5"	12"	4 AND 5/ NVS-7634	2	1/2"	36	7"	B	---

CONCRETE BEAM (CB) SCHEDULE												
FOR ELEVATION OF TYPICAL REINFORCING IN CONCRETE BEAM, SEE DETAIL 6/NVS-7601.												
MARK	DIMENSIONS		ELEV. DETAIL	SECT. DETAIL	TOP REINFORCING			BOTTOM REINFORCING		STIRRUPS		
	"W"	"H"			TE	TC	TI	BC	BA	SIZE	S1	S2
CB1	20"	30"	6/ NVS-7601	---	---	5 #9	---	5 #9	---	#4	12"	12"
CB2	20"	14"	---	6/ NVS-7650	---	6 #6	---	6 #6	---	#4	12"	12"
CB3	VARIES	24"	6/ NVS-7601	---	---	9 #9 NOTE 1	---	9 #9 NOTE 1	---	#4	10"	10"
CB4	VARIES	22"	6/ NVS-7601	---	---	9 #9 NOTE 1	---	9 #9 NOTE 1	---	#4	12"	12"
CB5	27"	30"	6/ NVS-7601	---	---	9 #9	---	9 #9	---	#4	7"	7"
CB6	20"	24"	6/ NVS-7601	---	5 #8 (2ND LAYER)	5 #8	---	5 #8	---	#4	10"	10"
CB7	30"	30"	6/ NVS-7601	---	---	10 #9	---	10 #9	---	#4	10"	10"
CB8	24"	30"	6/ NVS-7601	---	---	6 #9	---	6 #9	---	#4	12"	12"
NOTES: 1. REINFORCING LISTED SHALL OCCUR WITHIN 20" BEAM WIDTH. WHERE BEAM WIDTH EXCEEDS 20", ADDITIONAL 4 #9 ARE REQUIRED. FOR TRANSITION, SEE DETAIL 8/NVS-7653.												

SCHEDULES

CONCRETE COLUMN (CC) SCHEDULE							
LEVEL	CC1	CC2	CC3	CC4	CC5	CC6	CC7
PENTHOUSE ROOF							
MAIN ROOF							
3RD FLOOR	C	D	C		D	D	
2ND FLOOR	A	B	B	B	NOTE 1		E
1ST FLOOR							
NOTES: 1. EXISTING 20" DIAMETER CONCRETE COLUMN.							

CONCRETE COLUMN TYPE SCHEDULE							
TYPE	SIZE	PLAN DETAIL NUMBER	VERT REINF	TIES	TIE SPACING (S)	TIE SPACING DETAIL	28 DAY COMP. STRENGTH
A	20" SQ.	13/ NVS7600	8 #9	#4	18"	12/ NVS7600	5000 PSI
B	20" DIA	14/ NVS7600	8 #8	#3	12"	12/ NVS7600	5000 PSI
C	20" SQ.	13/ NVS7600	8 #9	#3	8"	12/ NVS7600	5000 PSI
D	20" DIA	14/ NVS7600	8 #8	#3	8"	12/ NVS7600	5000 PSI
E	12" x 20"	13/ NVS7600	6 #8	#3	8"	12/ NVS7600	5000 PSI

902-01

</

MECHANICAL EQUIPMENT WEIGHTS		
960-01		
VERIFY ALL SIZES, WEIGHTS AND LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL ENGINEER AND ARCHITECT. USE WEIGHTS SHOWN BELOW AS MINIMUM EQUIPMENT WEIGHTS.		
MARK	EQUIPMENT WEIGHT	REMARKS
A	10,000 LBS	EXHAUST FAN
B	16,000 LBS	AIR HANDLER
C	23,000 LBS	AIR HANDLER
D	7,400 LBS	



LINTEL (LT) SCHEDULE			
928-01			
MARK	TYPE	LINTEL SIZE	REMARKS
LT1	"D"	2 #5 BOTTOM, H = 16"	---
LT2	"D"	2 #5 TOP AND BOTTOM, H = 24"	---

SHEAR STUD SCHEDULE (SR)						
SEE DETAILS 1 AND 2 ON SHEET NVS-7604.						
MARK	TYPICAL DETAIL	COLUMN	So	S	STUD QUANTITY PER RAIL	STUD SIZE
SR1	1/NVS-7604	INTERIOR	3"	3"	10	1/2"
SR2	2/NVS-7604	INTERIOR	3"	3"	10	1/2"

WALL (W) SCHEDULE			
918-01			
MARK	REINFORCING (WHERE APPLICABLE)	THICKNESS	REMARKS
W1	#5 AT 24" O.C. VERTICAL	8"	NOTE 1
NOT USED			
NOTES: 1. SOLID GROUTED. 2. NOT USED.			

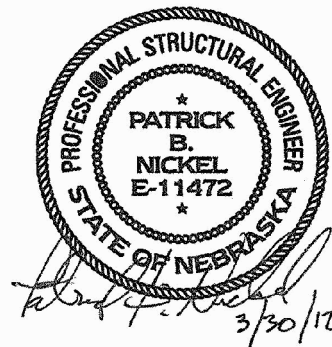
PARAGON
STRUCTURAL DESIGN, INC.

101 North First Avenue, Suite 2600
Phoenix, Arizona 85003
PHONE: 602-258-0011 FAX: 602-258-0033
www.paragonstr.com

IDC ARCHITECTS
2020 SW Fourth Ave, Third Floor
Portland, Oregon 97201
www.idcarchitects.com

FARRIS
ENGINEERING

OMAHA | LINCOLN | DES MOINES | COLORADO SPRINGS
farris-usa.com



Copyright: This document and its information contained herein may not be reproduced or retransmitted in any form without express written permission of FARRIS ENGINEERING. Any disclosure or construction use are prohibited by the copyright law.

REVISIONS
ADDM 3 03-30-2012

KEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION
UNIVERSITY OF
Nebraska
Lincoln

DESIGNED BY:
DB

DRAWN BY:
RJ

CHECKED BY:
PW

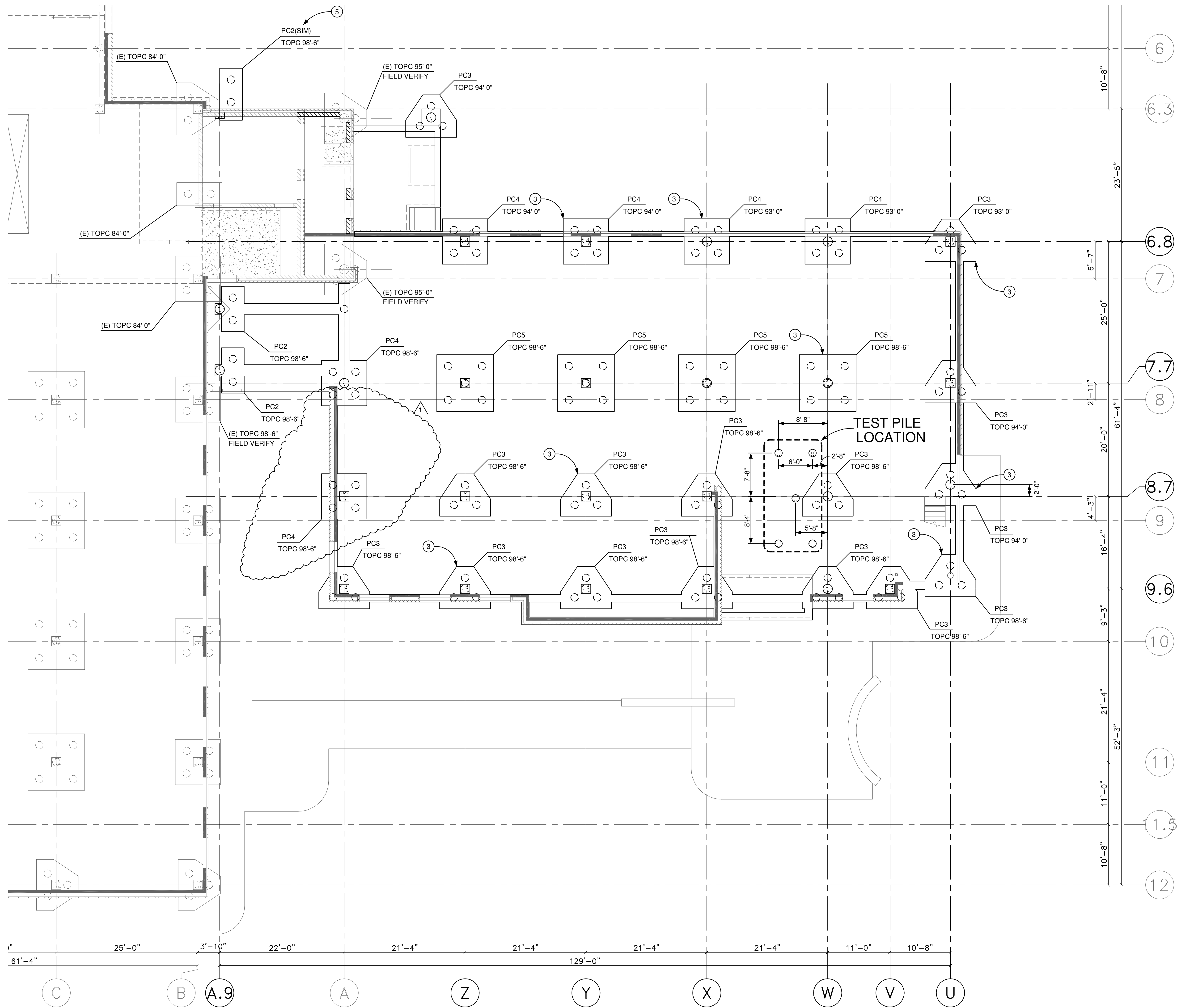
DATE:
March 30, 2012

PROJECT NO:
102002

SHEET TITLE
STRUCTURAL
FOUNDATION
AND FRAMING
SCHEDULES

SHEET NO
NVS-0003

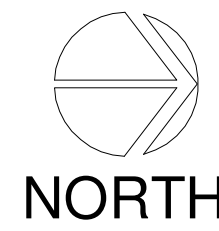
T:\2010006 UNL Web Cntr for Virology Phase 1\Drafting\Drawings\NVS-1U-E.dwg Mar 28, 2012 10:46am 5081
Copyright Reserved - Paragon Structural Design, Inc. 2010 It is illegal to copy this drawing without written permission from Paragon Structural Design, Inc. Paragon Structural Design, Inc. disclaims any responsibility for its unauthorized use.



1 LEVEL 1 PILE PLAN - SECTOR E

SCALE: 1/8"=1'-0"

SCALE: 1/8" INCH = 1 FOOT
12' 0" 5' 10' 15'

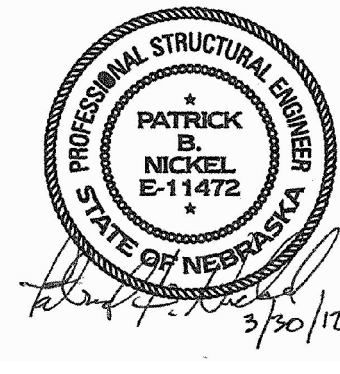


GENERAL NOTES

- FOR GENERAL STRUCTURAL NOTES, SEE SHEET NVS-0001 AND NVS-0002.
- FOR TYPICAL DETAILS, SEE SHEET NVS-7600, NVS-7601, NVS-7602, NVS-7603 AND NVS-7604.
- FOR FOUNDATION AND FRAMING SCHEDULES, SEE SHEET NVS-0003.
- COORDINATE SLAB DEPRESSION FOR FLOOR FINISHES AND SLOPE WITH ARCHITECTURAL DRAWINGS.
- ALL DIMENSIONS AND ELEVATIONS ARE FURNISHED BY THE ARCHITECT. RESOLVE ANY DISCREPANCY WITH ARCHITECT. NOTIFY PARAGON STRUCTURAL DESIGN, INC. THROUGH ARCHITECT IF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THIS DRAWING.
- ALL OPENINGS THROUGH FLOORS AND WALLS ARE NOT SHOWN. COORDINATE PENETRATION REQUIREMENTS (ADDITIONAL FRAMING ELEMENTS OR REINFORCING) AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND TYPICAL DETAILS.
- REFERENCE ELEVATION 100'-0" = SITE ELEVATION 1181.00'.
- FOR BID PURPOSES ONLY, ASSUME THAT ALL AUGER CAST IN PLACE PILES STARTING AT LEVEL 1 SHALL EXTEND TO ELEVATION 1119'. FOR BID ADD OR DEDUCT PROVISIONS FROM THE BASE BID, SEE SPECIFICATIONS.

SHEET KEYED NOTES

- NOT USED.
- NOT USED.
- FOR PILE AND PILE CAP INFORMATION, SEE SHEET NVS-7640.
- NOT USED.
- SEE DETAIL 3/NVS-7634 FOR MODIFICATION TO PC2 AT THIS LOCATION.



Copyright: This document and the information contained herein are the property of Farris Engineering, Inc. and shall not be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without prior written permission from Farris Engineering, Inc.

REVISIONS
ADDM 3 03-30-2012

KEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION
UNIVERSITY OF
Nebraska
Lincoln

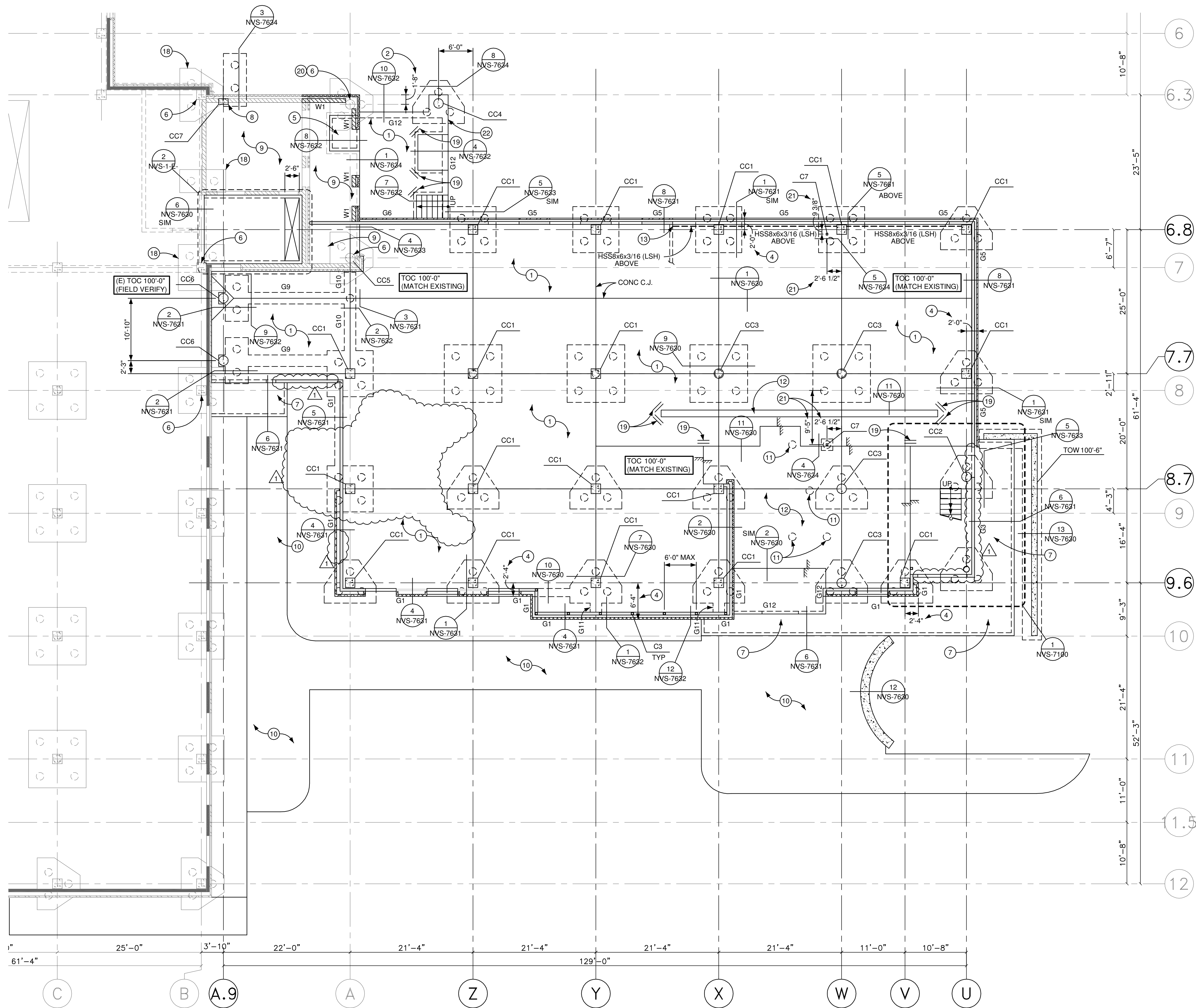
DESIGNED BY:
DB
DRAWN BY:
RJ
CHECKED BY:
PW
DATE:
March 30, 2012
PROJECT NO:
102002

SHEET TITLE
STRUCTURAL
LEVEL 1
SECTOR E
PILE PLAN

SHEET NO
NVS-1U-E

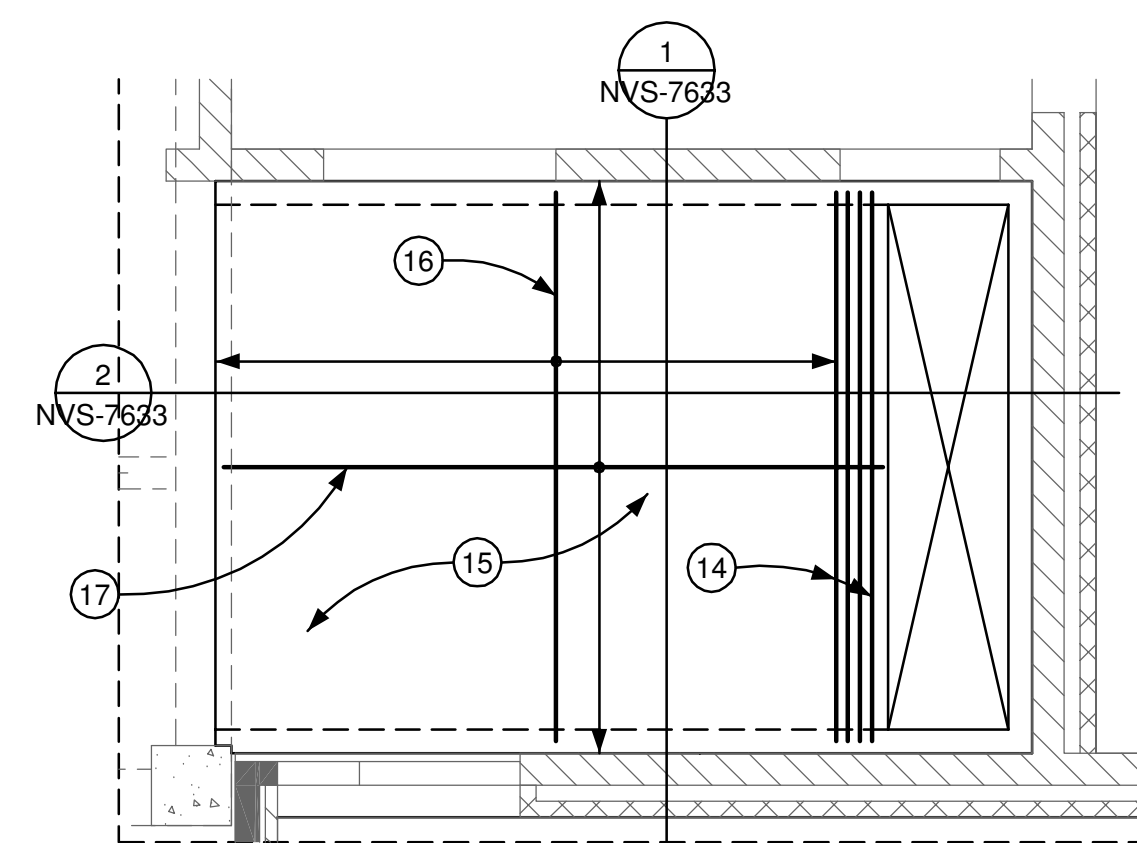
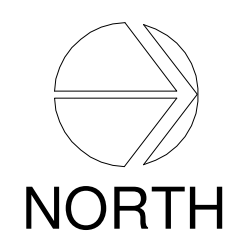
PARAGON
STRUCTURAL DESIGN, INC.
101 North First Avenue, Suite 2600
Phoenix, Arizona 85003
PHONE: 602-258-0011 FAX: 602-258-0033
www.paragonstr.com

IDC ARCHITECTS
2020 SW Fourth Ave, Third Floor
Portland, Oregon 97201
www.idcarchitects.com



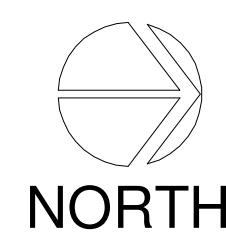
1 LEVEL 1 FOUNDATION PLAN - SECTOR E

SCALE: 1/8"=1'-0"

SCALE: 1/4"=1'-0"
12" 0 5' 10' 15'

2 PARTIAL PLAN - SECTOR E

SCALE: 1/4"=1'-0"

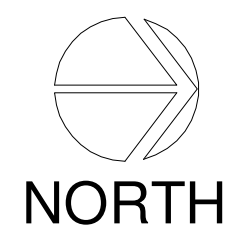
SCALE: 1/4"=1'-0"
12" 0 5'

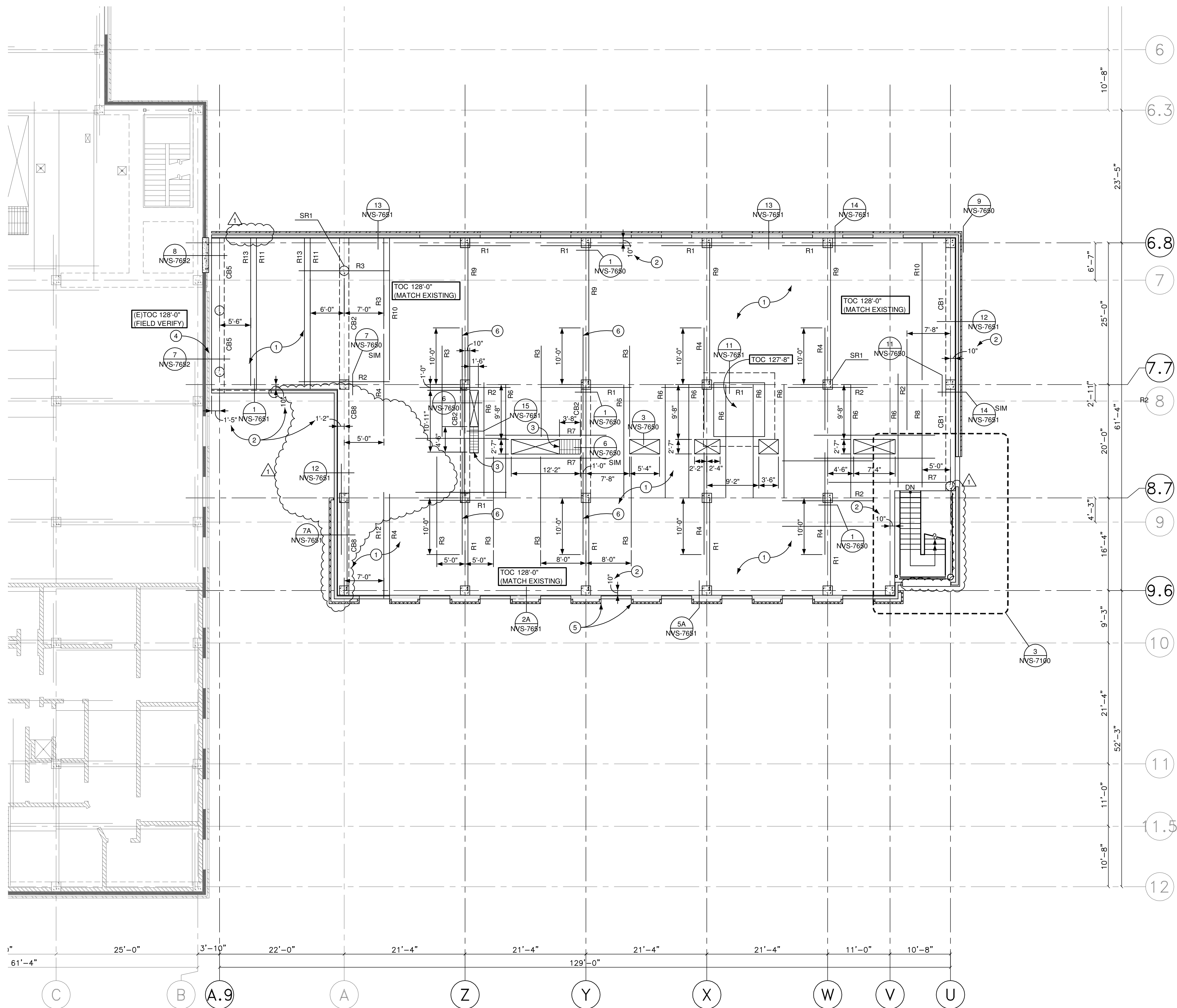
GENERAL NOTES

- A. FOR GENERAL STRUCTURAL NOTES, SEE SHEET NVS-0001 AND NVS-0002.
- B. FOR TYPICAL DETAILS, SEE SHEET NVS-7600, NVS-7601, NVS-7602, NVS-7603 AND NVS-7604.
- C. FOR FOUNDATION AND FRAMING SCHEDULES, SEE SHEET NVS-0003.
- D. COORDINATE SLAB DEPRESSION FOR FLOOR FINISHES AND SLOPE WITH ARCHITECTURAL DRAWINGS.
- E. ALL DIMENSIONS AND ELEVATIONS ARE FURNISHED BY THE ARCHITECT. RESOLVE ANY DISCREPANCY WITH ARCHITECT. NOTIFY PARAGON STRUCTURAL DESIGN, INC. THROUGH ARCHITECT IF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THIS DRAWING.
- F. ALL OPENINGS THROUGH FLOORS AND WALLS ARE NOT SHOWN. COORDINATE PENETRATION REQUIREMENTS (ADDITIONAL FRAMING ELEMENTS OR REINFORCING) AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND TYPICAL DETAILS.
- G. REFERENCE ELEVATION 100'-0" = SITE ELEVATION 1181.00'.

SHEET KEYED NOTES

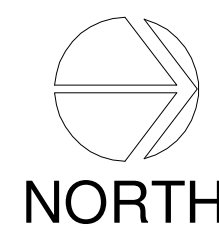
1. 5" CONCRETE SLAB ON GRADE WITH #3 AT 12" O.C. EACH WAY OVER 4" DRAINAGE COURSE. SLAB ON GRADE SHALL BEAR ON A MINIMUM 3 FEET OF PROPERLY COMPACTED LOW PLASTICITY FILL. SEE GEOTECHNICAL REPORT FOR RECOMMENDATIONS.
2. FIELD VERIFY.
3. NOT USED.
4. DIMENSION FROM GRIDLINE TO FACE OF GRADE BEAM.
5. 5" CONCRETE SLAB ON GRADE WITH #4 AT 12" O.C. EACH WAY.
6. EXISTING CONCRETE COLUMN.
7. FOR CONCRETE STOOP, SEE DETAIL 6/NVS-7631.
8. REMOVE MASONRY WALL FOR NEW CONCRETE COLUMN.
9. EXISTING CONCRETE SLAB ON GRADE.
10. CONCRETE SIDEWALK - SEE CIVIL AND ARCHITECTURAL DRAWINGS.
11. TEST PILES TO BE CUT OFF 4'-0" BELOW FINISHED FLOOR AND LEFT IN PLACE.
12. DEPRESS SLAB 1/2" THIS AREA FOR TILE, COORDINATE WITH ARCHITECT.
13. ATTACH TUBE STEEL WIND GIRT TO COLD FORMED INTERIOR STUD WALL.
14. 4 #5 AT 3" O.C. BOTTOMMOST.
15. 8" CONCRETE SLAB.
16. #5 AT 8" O.C. BOTTOMMOST.
17. #4 AT 10" O.C. BOTTOM.
18. EXISTING PILE CAP BELOW.
19. 2 #3 x 36" LONG CENTERED IN SLAB.
20. PROVIDE VENEER TIES FASTENED TO THE EXISTING CONCRETE COLUMN WITH CONCRETE SCREWS.
21. COORDINATE/VERIFY EXACT DIMENSION WITH ARCHITECTURAL DRAWINGS.
22. EXTEND GRADE BEAM REINFORCING INTO CONCRETE PIER.





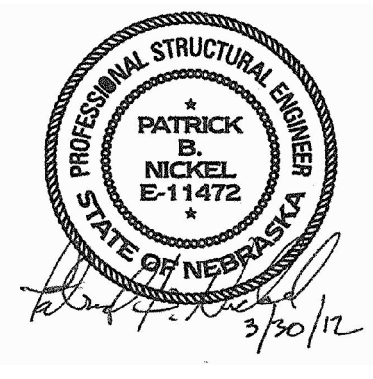
1 LEVEL 3 FRAMING PLAN - SECTOR E
SCALE: 1/8"=1'-0"

SCALE: 1/8" INCH = 1 FOOT
12" 0 5' 10' 15'



- GENERAL NOTES**
- FOR GENERAL STRUCTURAL NOTES, SEE SHEET NVS-0001 AND NVS-0002.
 - FOR TYPICAL DETAILS, SEE SHEET NVS-7600, NVS-7601, NVS-7602, NVS-7603 AND NVS-7604.
 - FOR FOUNDATION AND FRAMING SCHEDULES, SEE SHEET NVS-0003.
 - COORDINATE SLAB DEPRESSION FOR FLOOR FINISHES AND SLOPE WITH ARCHITECTURAL DRAWINGS.
 - ALL DIMENSIONS AND ELEVATIONS ARE FURNISHED BY THE ARCHITECT. RESOLVE ANY DISCREPANCY WITH ARCHITECT. NOTIFY PARAGON STRUCTURAL DESIGN, INC. THROUGH ARCHITECT IF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THIS DRAWING.
 - ALL OPENINGS THROUGH FLOORS AND WALLS ARE NOT SHOWN. COORDINATE PENETRATION REQUIREMENTS (ADDITIONAL FRAMING ELEMENTS OR REINFORCING) AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND TYPICAL DETAILS.
 - REFERENCE ELEVATION 100'-0" = SITE ELEVATION 1181.00'.

- SHEET KEYED NOTES**
- 14" CONCRETE FLAT PLATE WITH #5 AT 10" O.C. TOP AND BOTTOM EACH WAY. PLACE EAST-WEST REINFORCING TOPMOST AND BOTTOMMOST. PROVIDE ADDITIONAL REINFORCING AS SHOWN ON PLAN PER SLAB REINFORCING SCHEDULE.
 - DISTANCE FROM CENTER OF GRID TO EDGE OF SLAB.
 - GALVANIZED STEEL GRATING WITH 3/4" x 3/16" BEARING BARS AT 1 3/16" O.C. AND CROSS BARS AT 4" O.C.
 - 6" EXPANSION JOINT.
 - MITER GALVANIZED RELIEF ANGLE AND TURN CORNER FOR SUPPORT OF BRICK AT SIDES OF WINDOW OPENINGS.
 - EXTEND CONCRETE BEAM TOP AND BOTTOM BARS BEYOND COLUMN LINE.



Copyright: This document and its information contained may not be reproduced or retransmitted in any form without express written permission of FARRIS ENGINEERING, INC. Any disclosure or construction use are prohibited by the copyright law.

REVISIONS	
ADDM 3 03-30-2012	

KEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION

UNIVERSITY OF
Nebraska
Lincoln

DESIGNED BY:	DB
DRAWN BY:	RJ
CHECKED BY:	PW
DATE:	March 30, 2012
PROJECT NO:	102002

SHEET TITLE
STRUCTURAL
LEVEL 3
FRAMING PLAN
SECTOR E

SHEET NO
NVS-3-E

PARAGON
STRUCTURAL DESIGN, INC.
101 North First Avenue, Suite 2600
Phoenix, Arizona 85003
PHONE: 602-258-0011 FAX: 602-258-0033
www.paragonstr.com

IDC ARCHITECTS
2020 SW Fourth Ave, Third Floor
Portland, Oregon 97201
www.idcarchitects.com



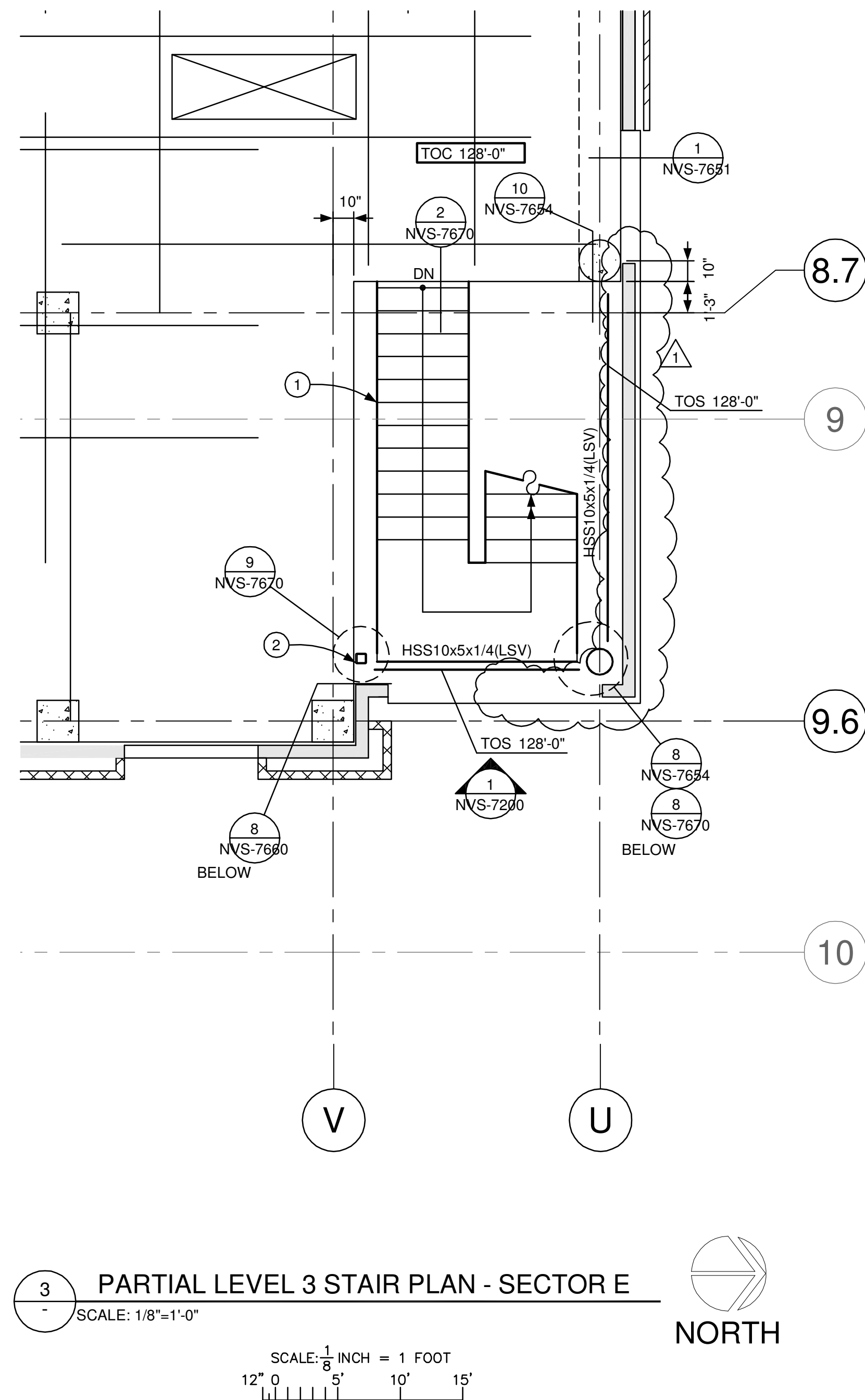
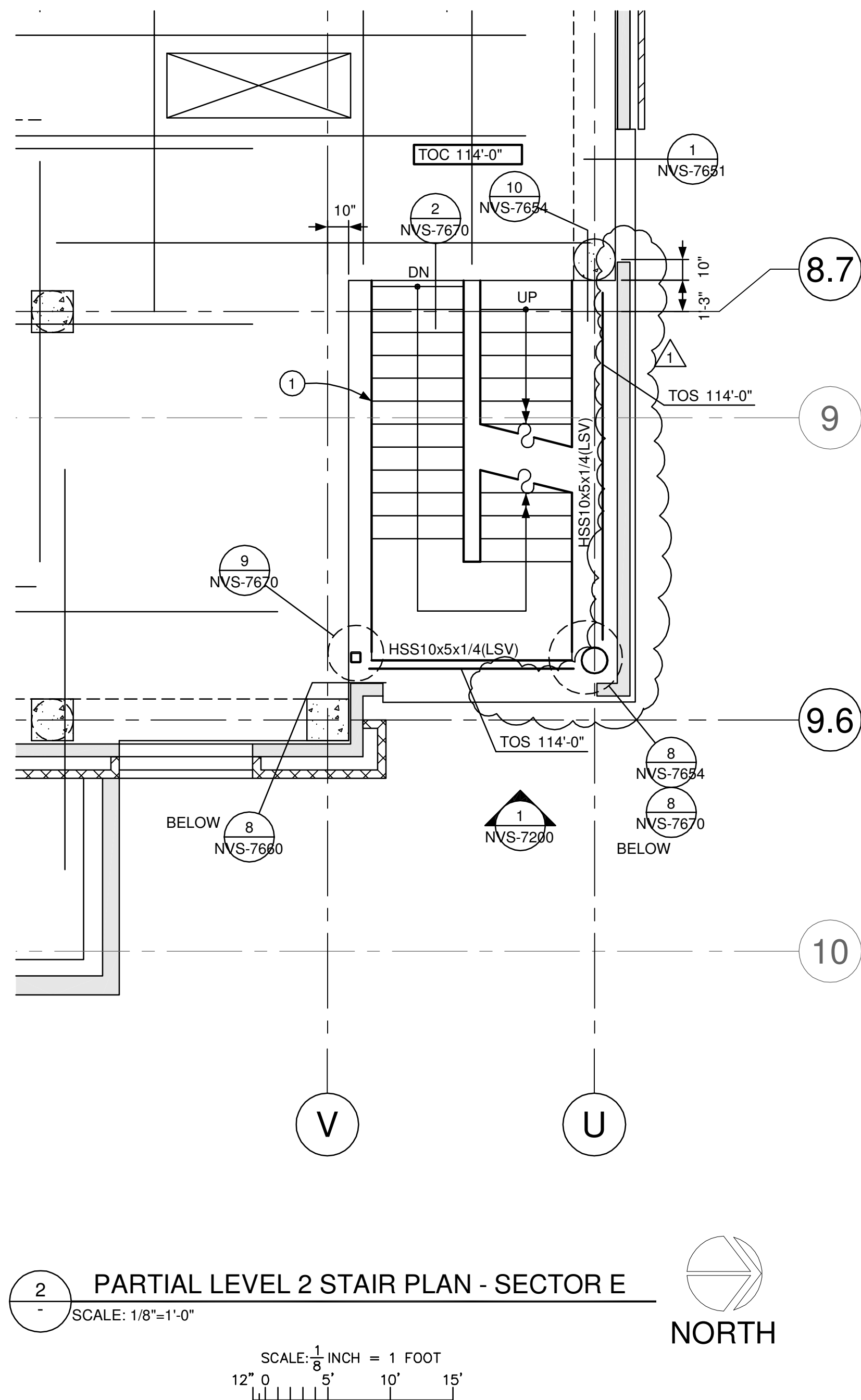
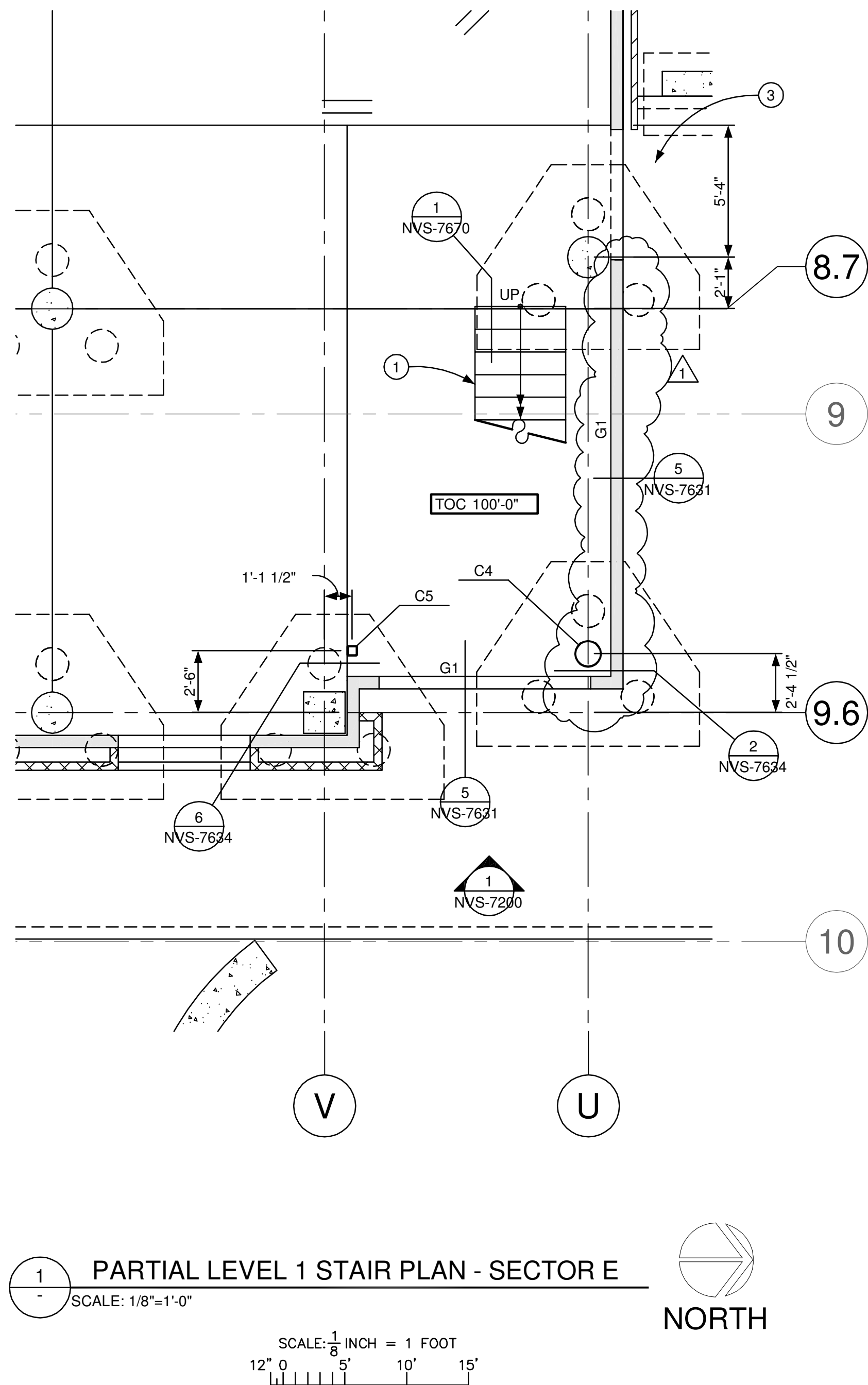
NORTH

SHEET NO
NVS-4-E



IDC ARCHITECTS
2020 SW Fourth Ave, Third Floor
Portland, Oregon 97201
www.idcarchitects.com

T:\2010006 UNL Web Cntr for Virology Phase 1\Drafting\Drawings\NVS-7100.dwg Mar 29, 2012 10:03am 5081
Copyright Reserved - Paragon Structural Design, Inc. 2010 It is illegal to copy this drawing without written permission from Paragon Structural Design, Inc. Paragon Structural Design, Inc. disclaims any responsibility for its unauthorized use.



GENERAL NOTES

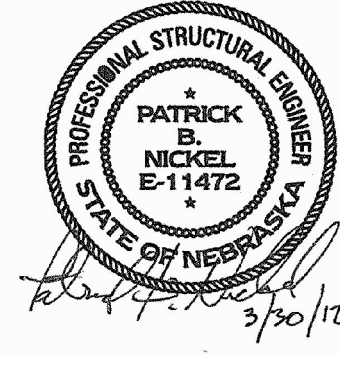
- FOR GENERAL STRUCTURAL NOTES, SEE SHEET NVS-0001 AND NVS-0002.
- FOR TYPICAL DETAILS, SEE SHEET NVS-7600, NVS-7601, NVS-7602, NVS-7603 AND NVS-7604.
- FOR FOUNDATION AND FRAMING SCHEDULES, SEE SHEET NVS-0003.
- COORDINATE SLAB DEPRESSION FOR FLOOR FINISHES AND SLOPE WITH ARCHITECTURAL DRAWINGS.
- ALL DIMENSIONS AND ELEVATIONS ARE FURNISHED BY THE ARCHITECT. RESOLVE ANY DISCREPANCY WITH ARCHITECT. NOTIFY PARAGON STRUCTURAL DESIGN, INC. THROUGH ARCHITECT IF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THIS DRAWING.
- ALL OPENINGS THROUGH FLOORS AND WALLS ARE NOT SHOWN. COORDINATE PENETRATION REQUIREMENTS (ADDITIONAL FRAMING ELEMENTS OR REINFORCING) AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND TYPICAL DETAILS.
- REFERENCE ELEVATION 100'-0" = SITE ELEVATION 1181.00'.

SHEET KEYED NOTES

- PREMANUFACTURED STEEL STAIRS. MEMBER TYPES TO MATCH EXISTING STAIRS.
- TOP OF STEEL COLUMN AT ELEVATION 128'-0". PROVIDE 1/4" STEEL CAP PLATE AT TOP.
- FOR CONCRETE STOOP, SEE DETAIL 9/NVS-7632.



OMAHA | LINCOLN | DES MOINES | COLORADO SPRINGS
farris-usa.com



Copyright: This document and the information contained herein may not be reproduced or retransmitted in any form without express written permission of FARRIS ENGINEERING. All rights reserved. Farris Engineering, Inc. is the owner of all rights in this document and the information contained herein.

REVISIONS
ADDM 3 03-30-2012

KEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION

UNIVERSITY OF
Nebraska
Lincoln

DESIGNED BY:
DB

DRAWN BY:
RJ

CHECKED BY:
PW

DATE:
March 30, 2012

PROJECT NO:
102002

SHEET TITLE
STRUCTURAL
PARTIAL
STAIR PLANS
SECTOR E

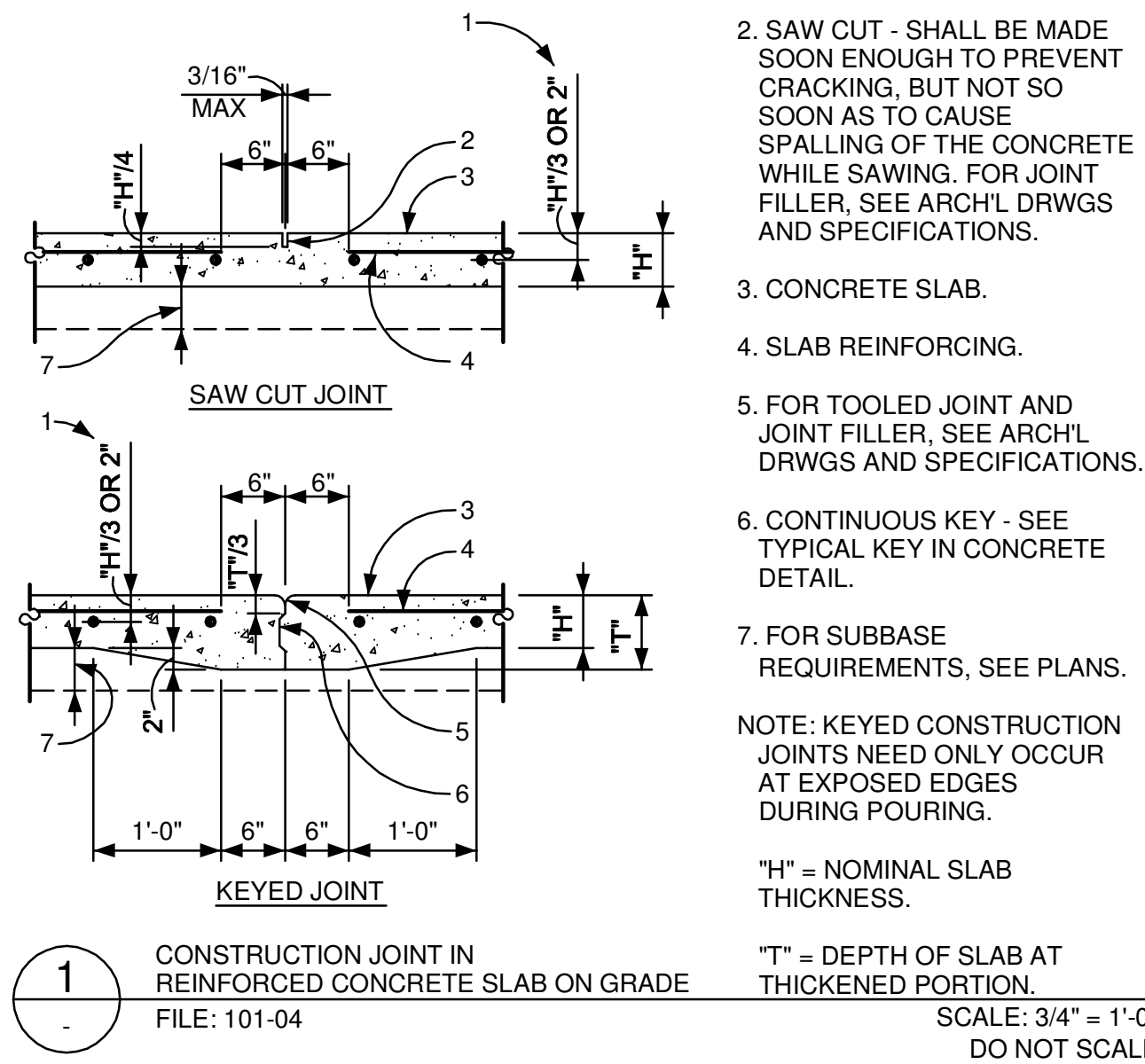
SHEET NO
NVS-7100

PARAGON
STRUCTURAL DESIGN, INC.

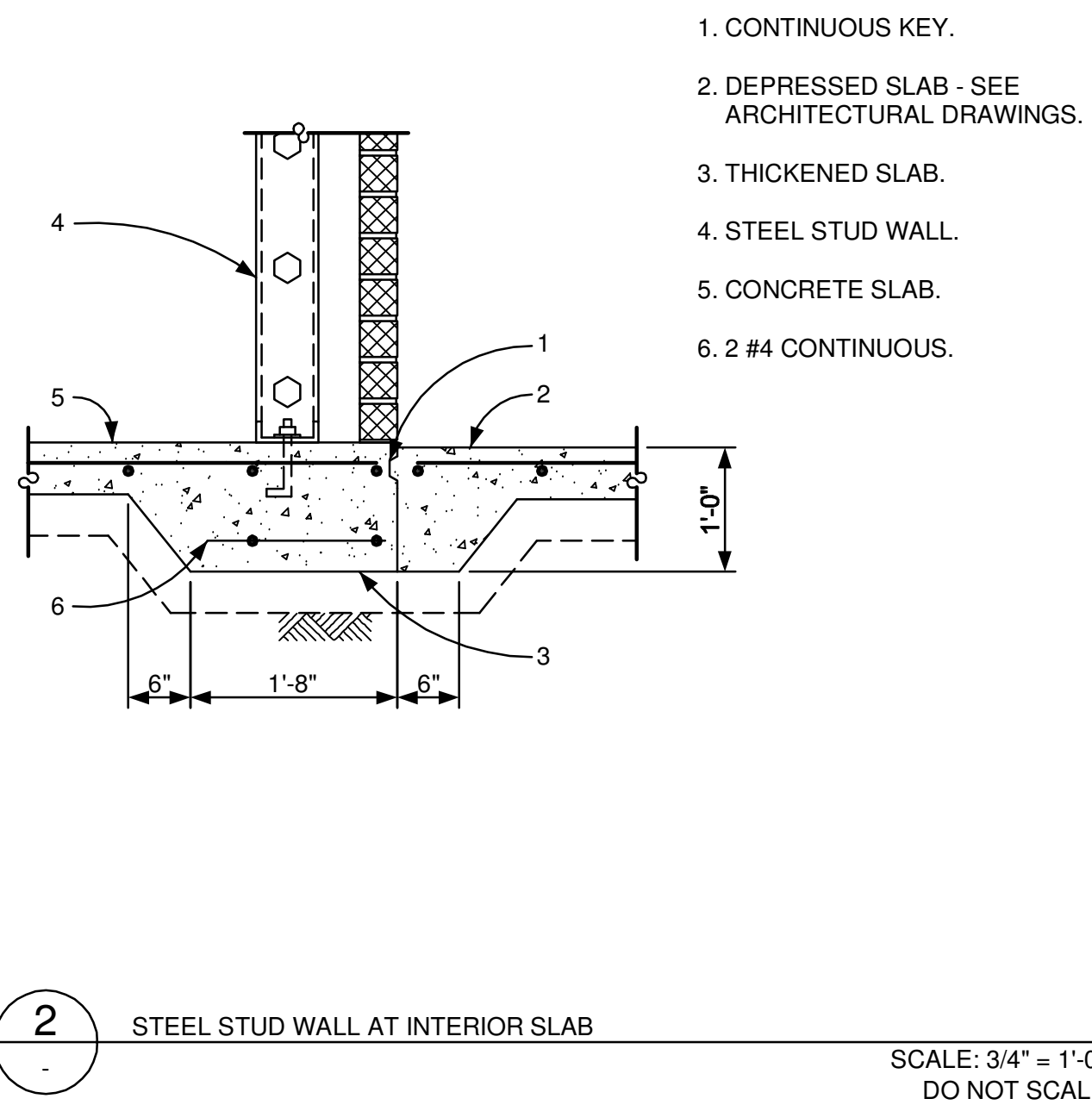
101 North First Avenue, Suite 2600
Phoenix, Arizona 85003
PHONE: 602-258-0011 FAX: 602-258-0033
www.paragonstr.com

IDC ARCHITECTS
2020 SW Fourth Ave, Third Floor
Portland, Oregon 97201
www.idcarchitects.com

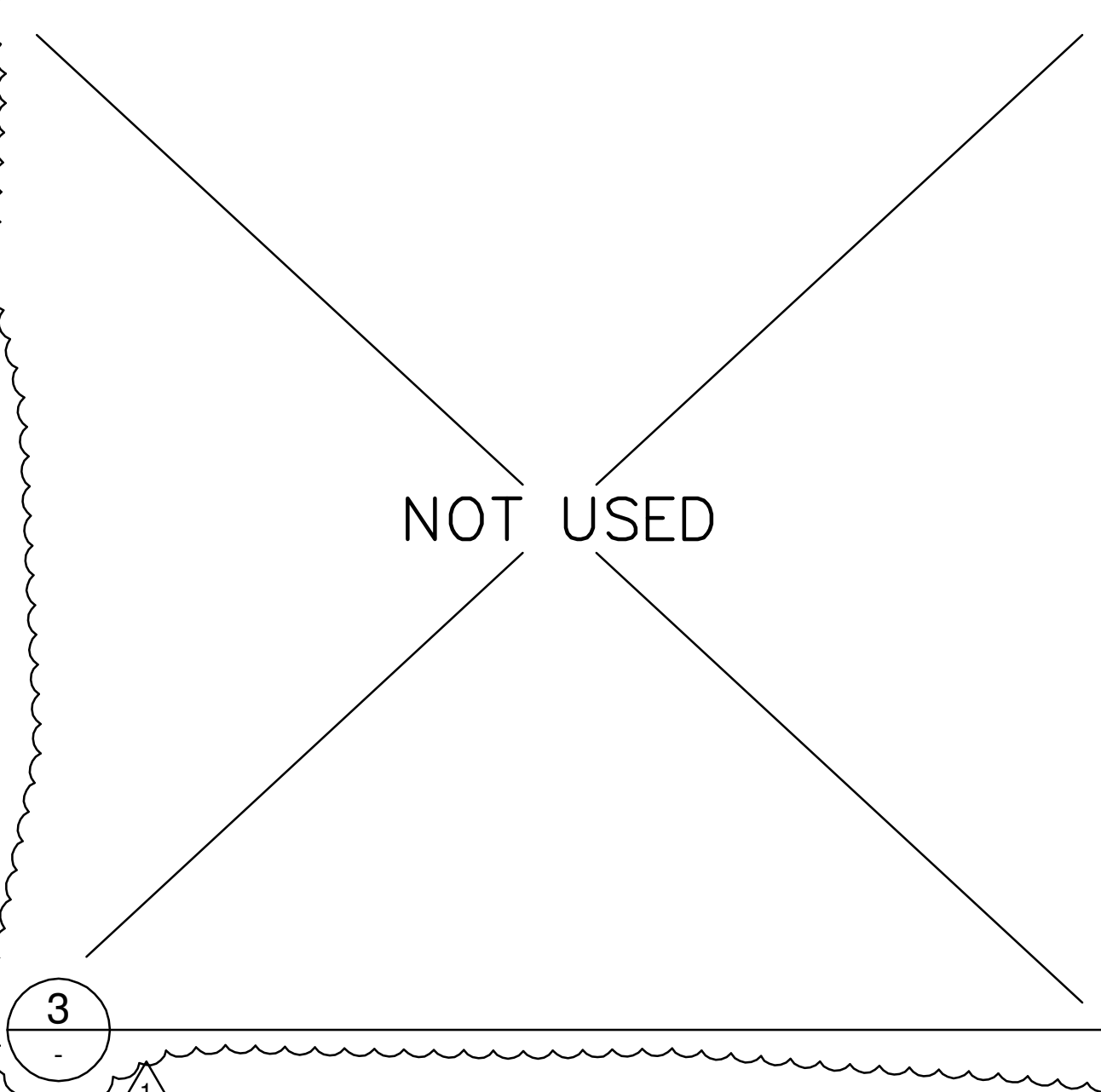
T:\2010006 UNL Web Cntr for Virology Phase I\Drafting\Details\NVS-7630.dwg Mar 28, 2012 10:51 am 5081
Copyright Reserved - Paragon Structural Design, Inc. 2010 It is illegal to copy this drawing without written permission from Paragon Structural Design, Inc. Paragon Structural Design, Inc. disclaims any responsibility for its unauthorized use.



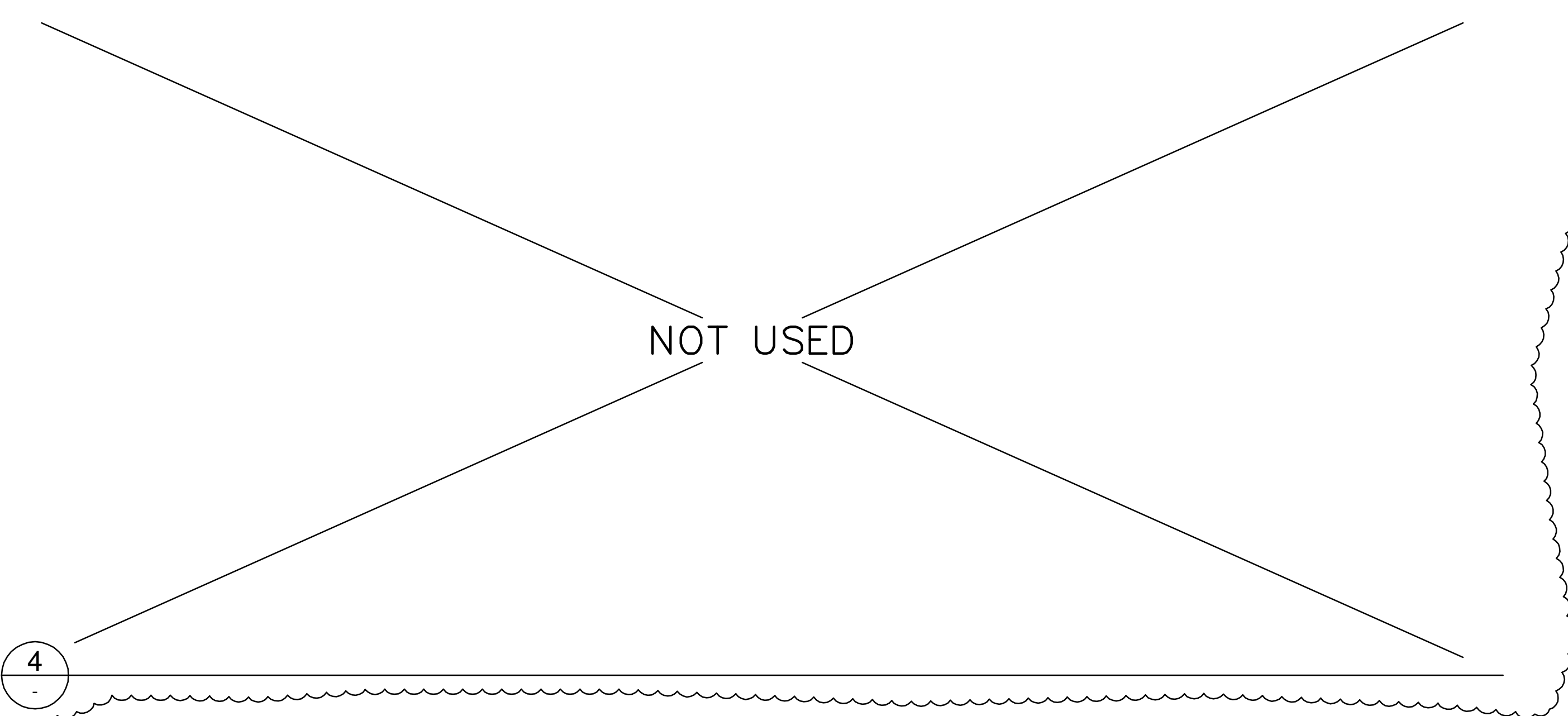
1 CONSTRUCTION JOINT IN REINFORCED CONCRETE SLAB ON GRADE
FILE: 101-04
SCALE: 3/4" = 1'-0"
DO NOT SCALE



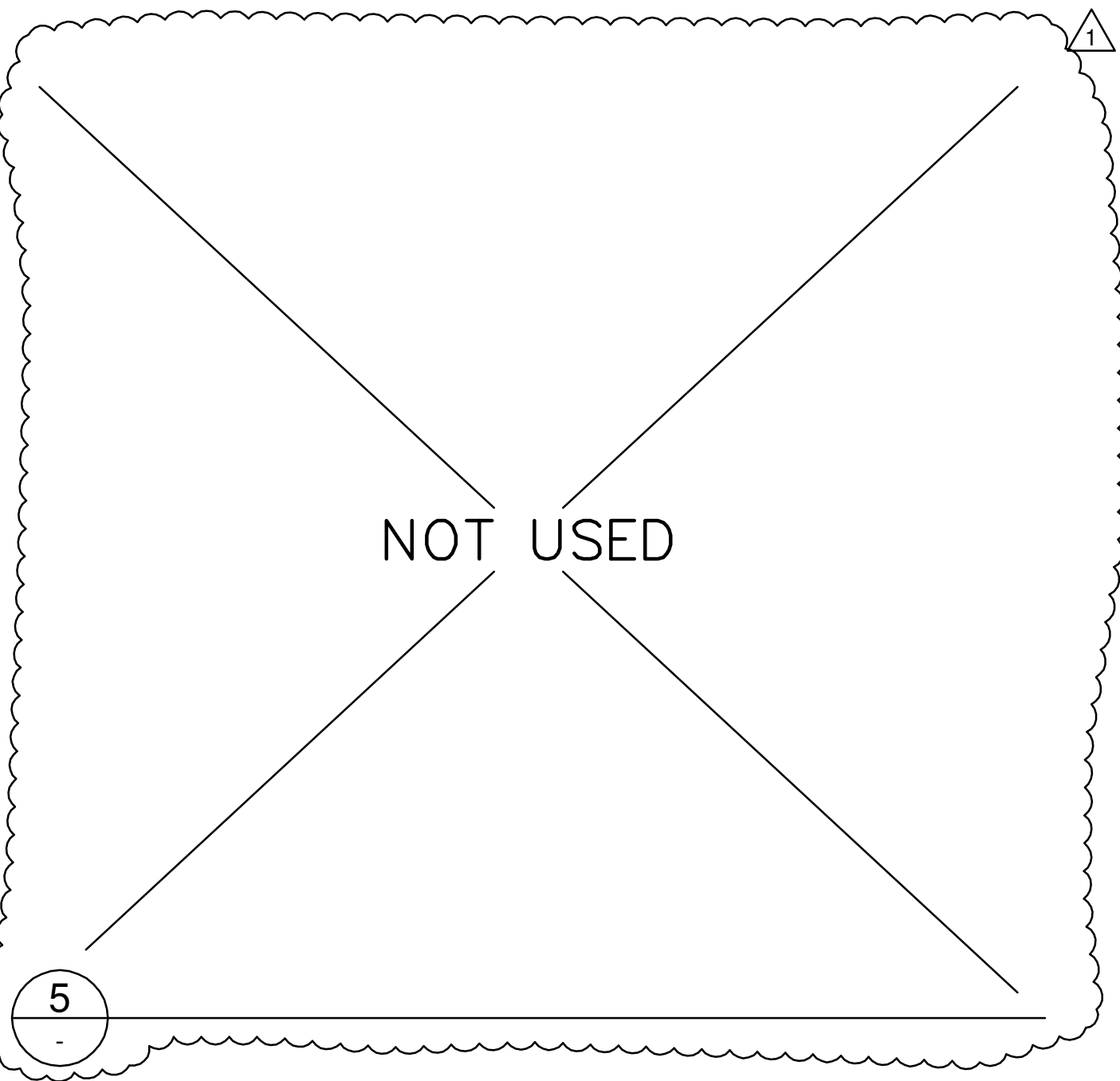
2 STEEL STUD WALL AT INTERIOR SLAB
SCALE: 3/4" = 1'-0"
DO NOT SCALE



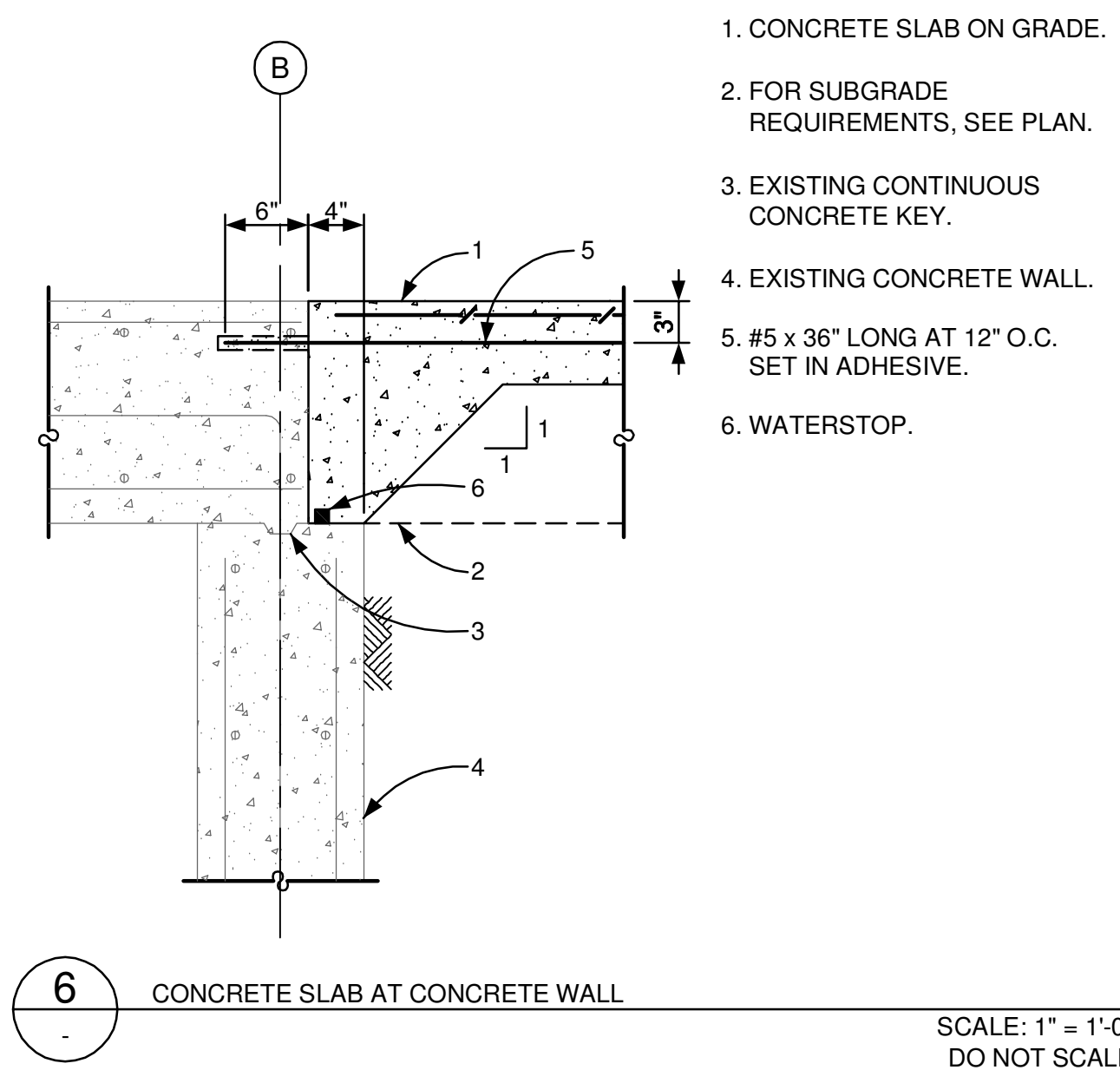
3 NOT USED



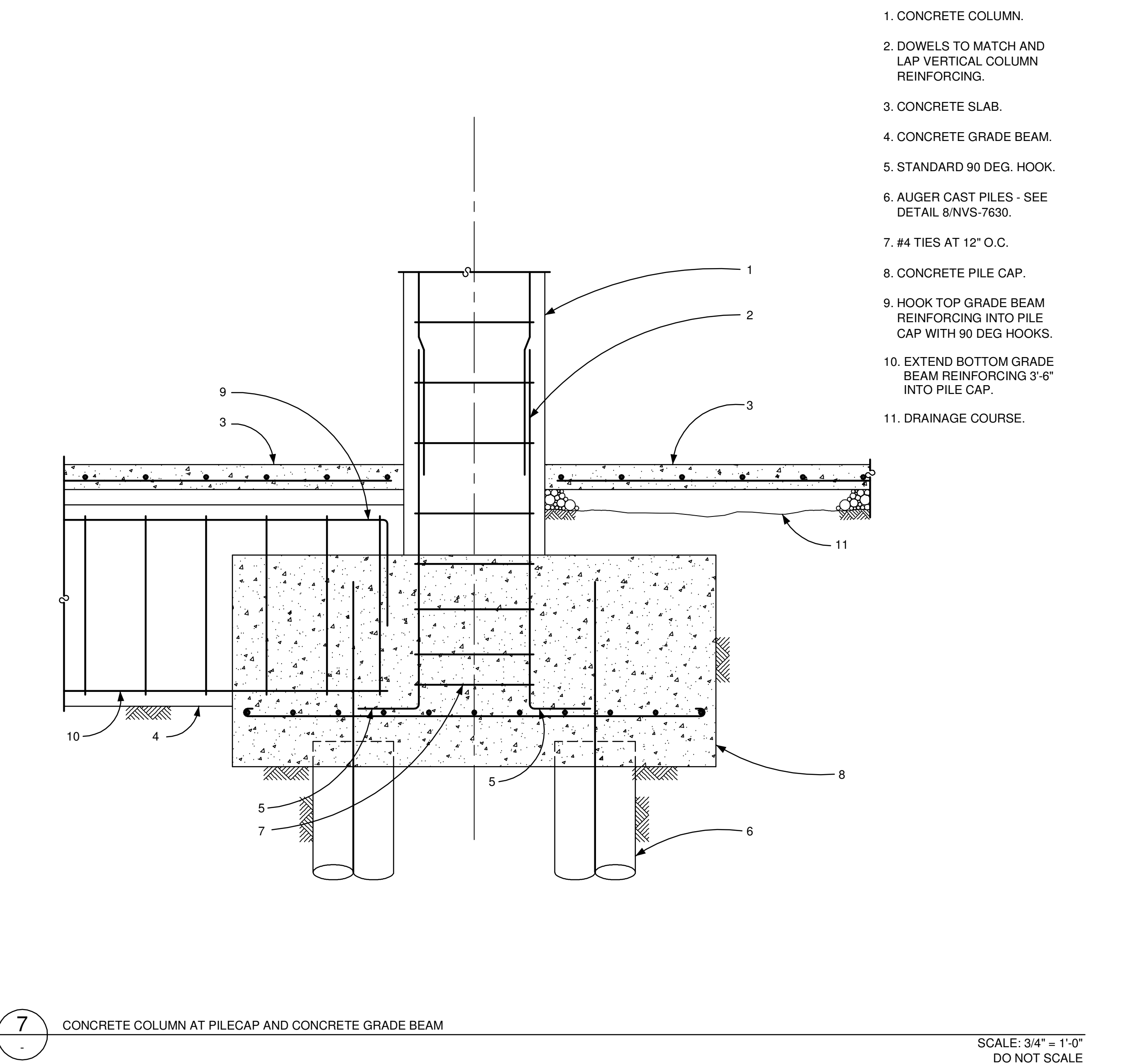
4 NOT USED



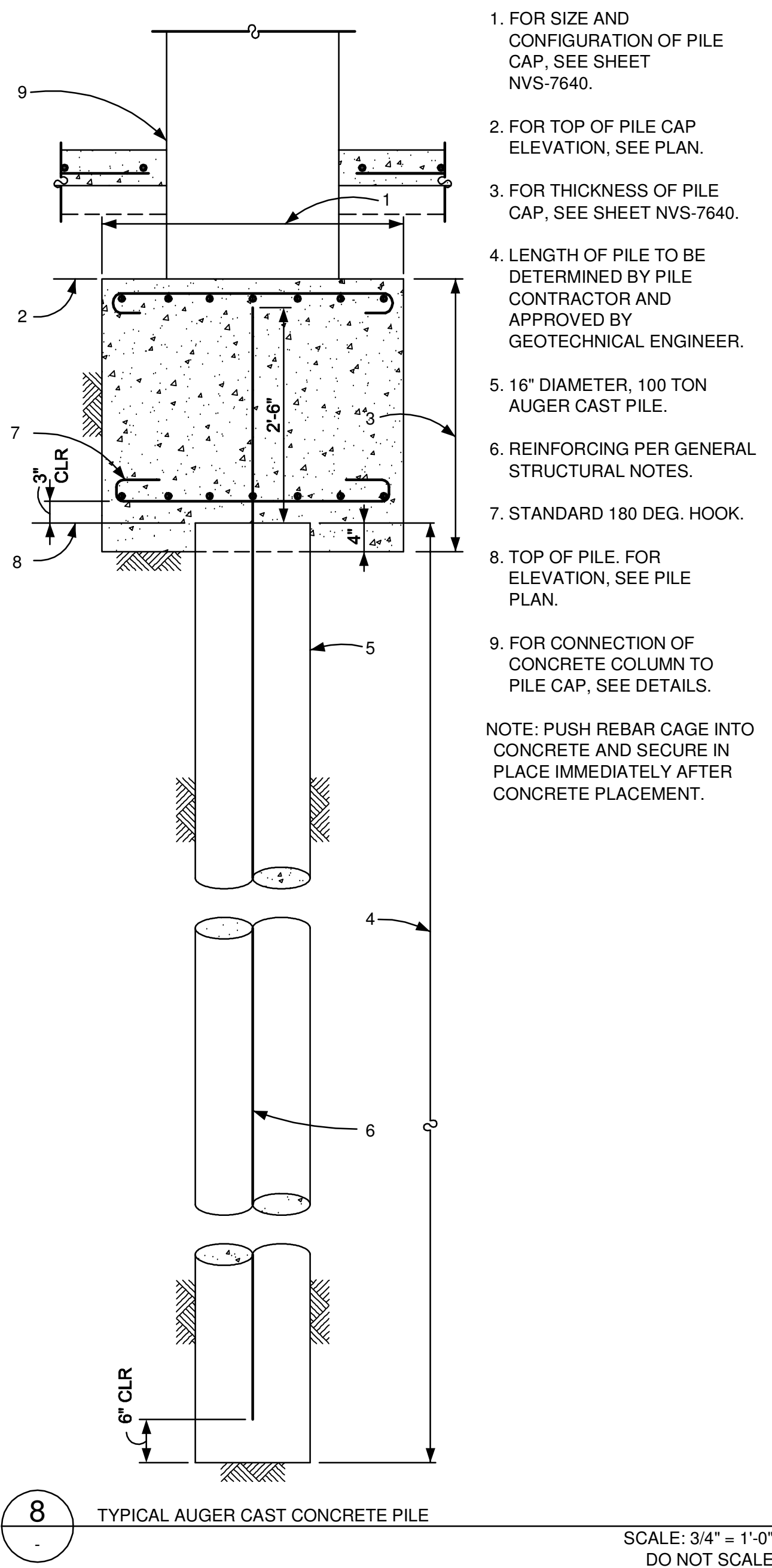
5 NOT USED



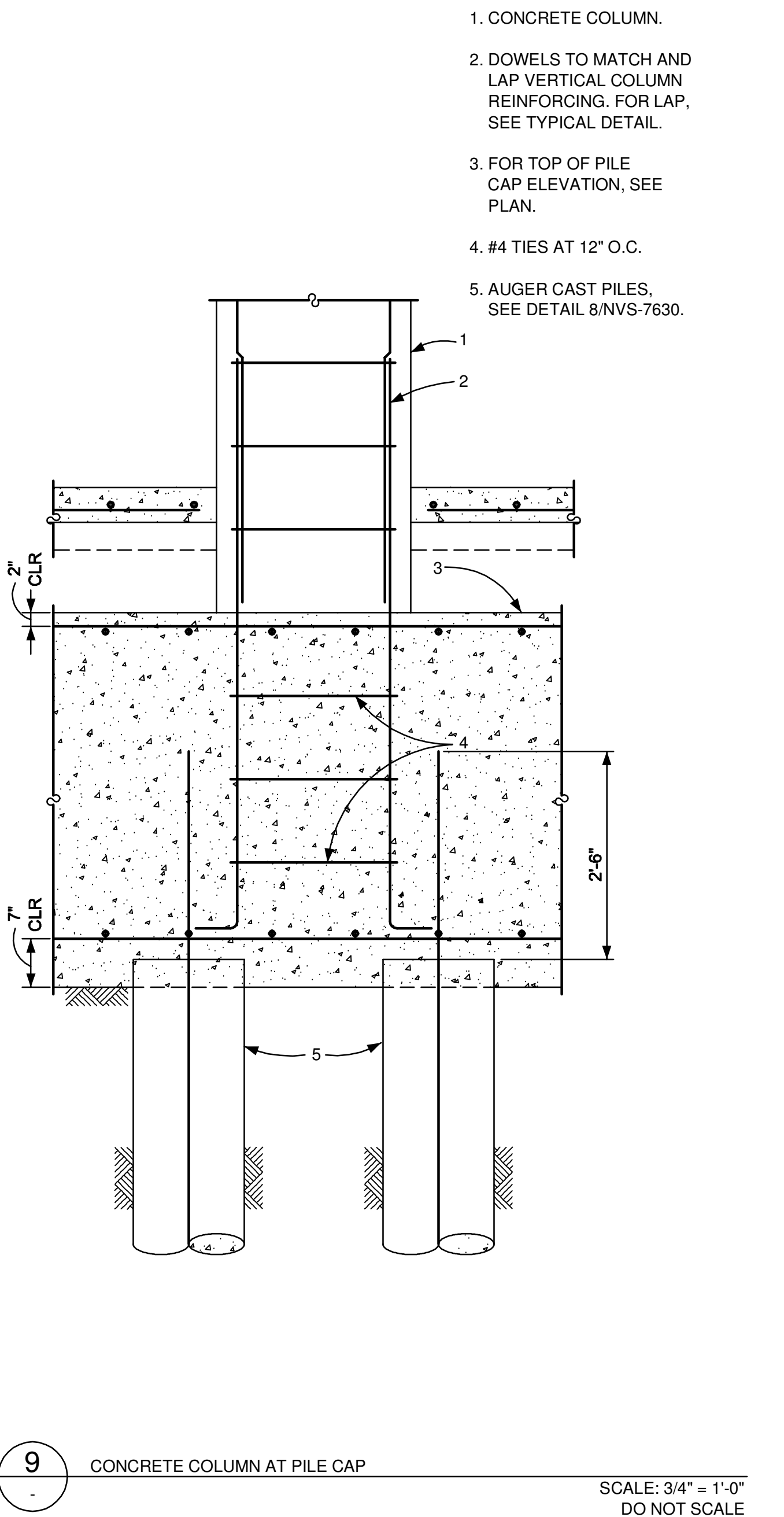
6 CONCRETE SLAB AT CONCRETE WALL
SCALE: 1" = 1'-0"
DO NOT SCALE



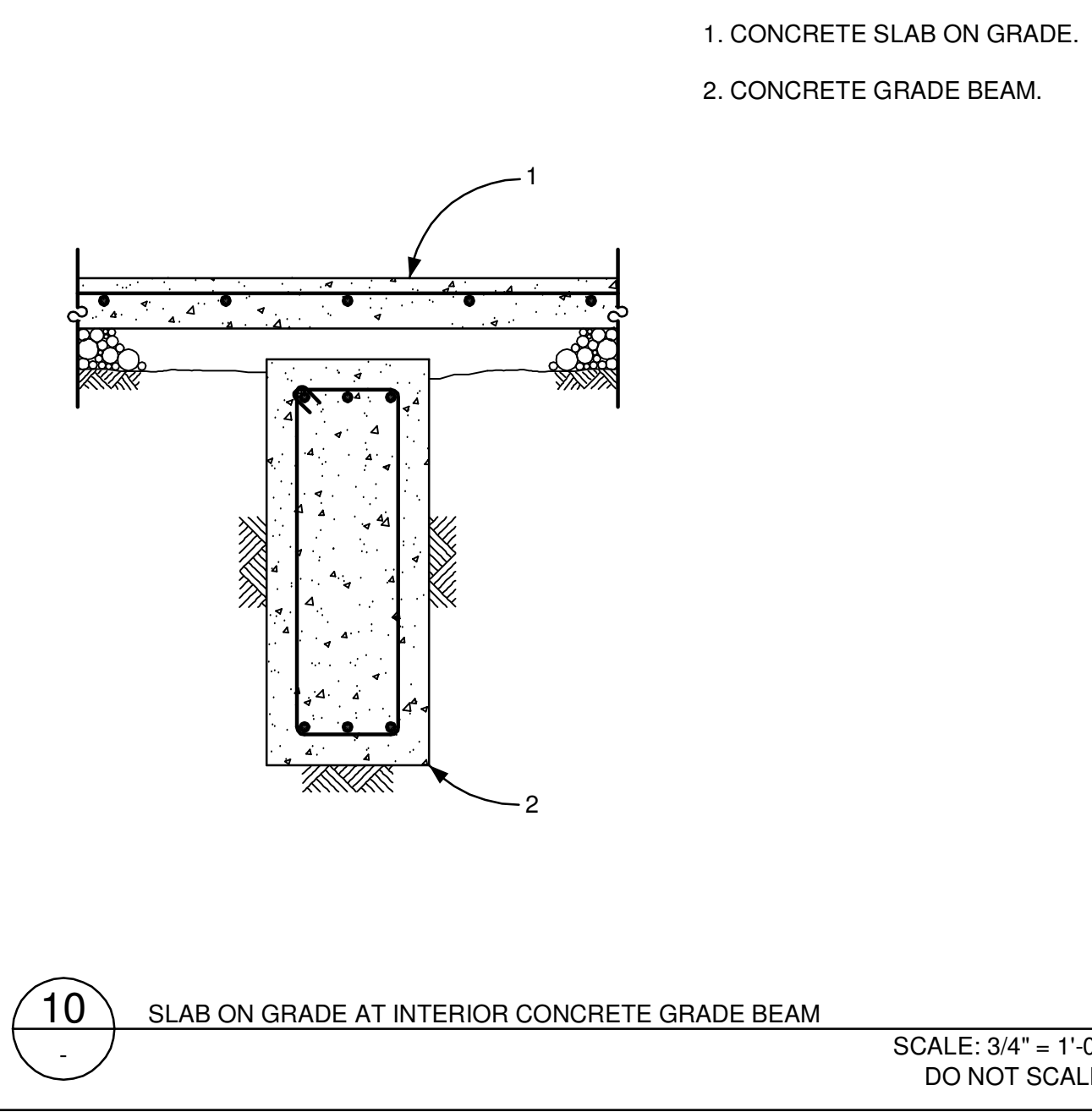
7 CONCRETE COLUMN AT PILECAP AND CONCRETE GRADE BEAM
SCALE: 3/4" = 1'-0"
DO NOT SCALE



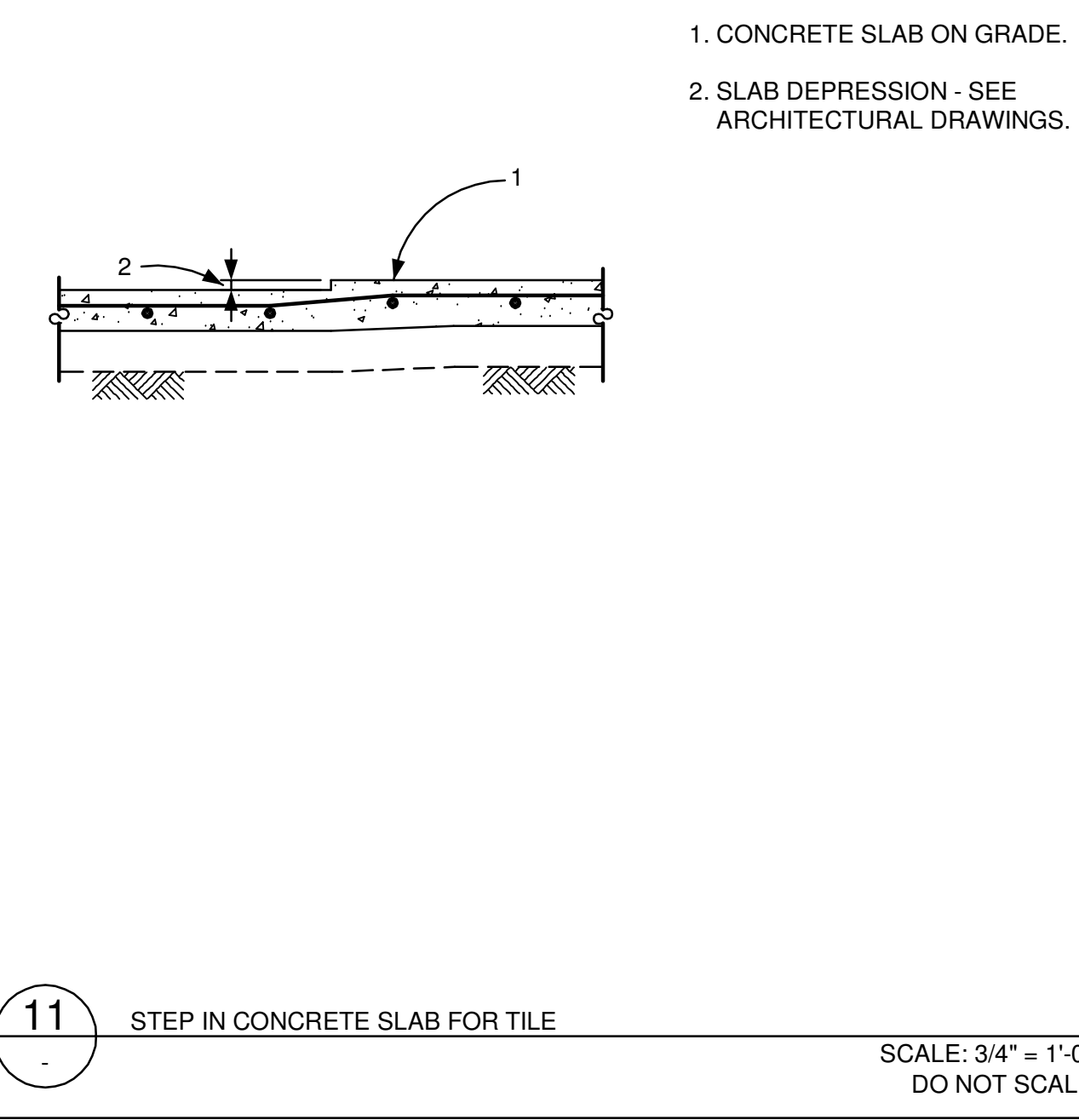
8 TYPICAL AUGER CAST CONCRETE PILE
SCALE: 3/4" = 1'-0"
DO NOT SCALE



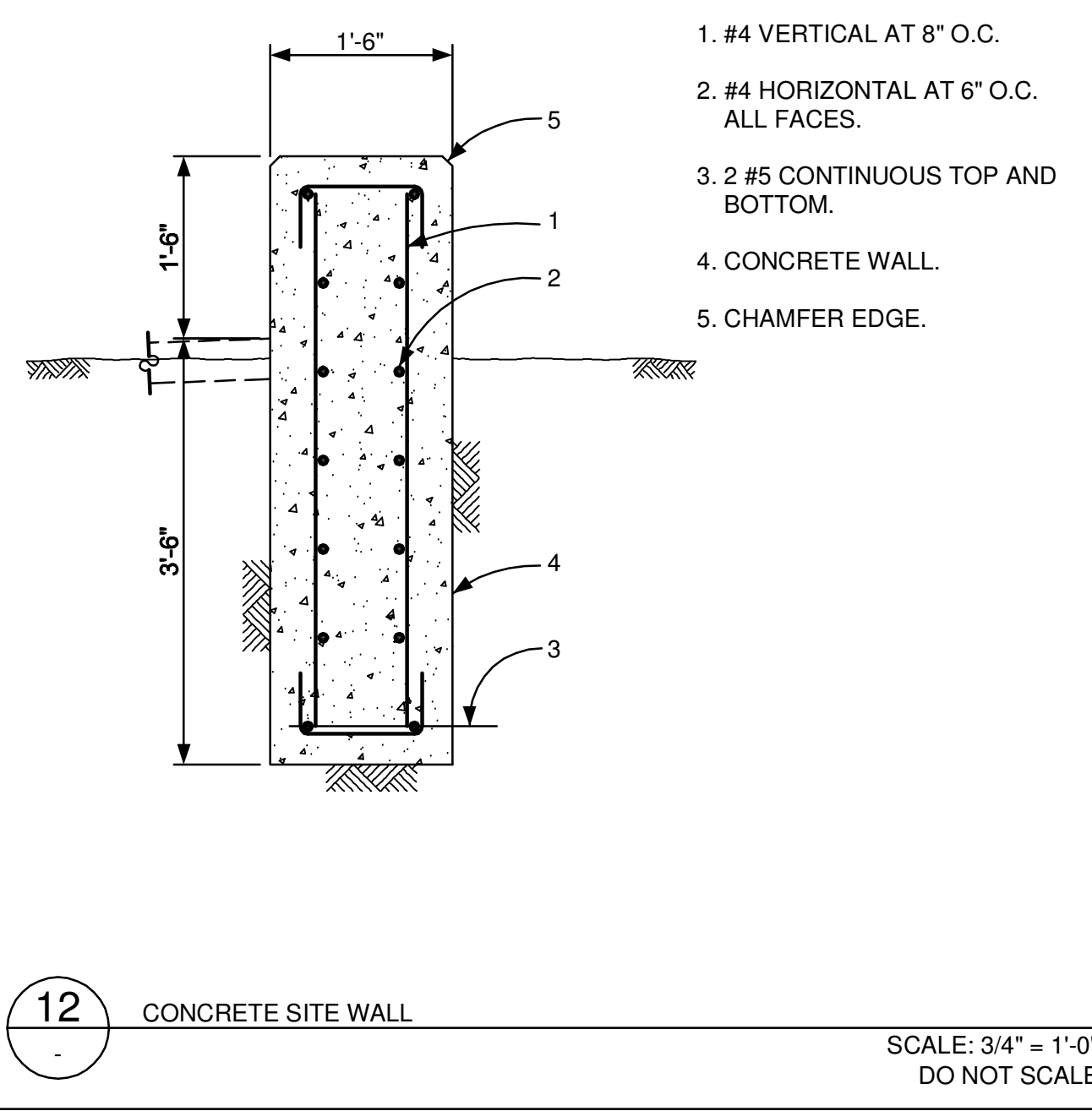
9 CONCRETE COLUMN AT PILE CAP
SCALE: 3/4" = 1'-0"
DO NOT SCALE



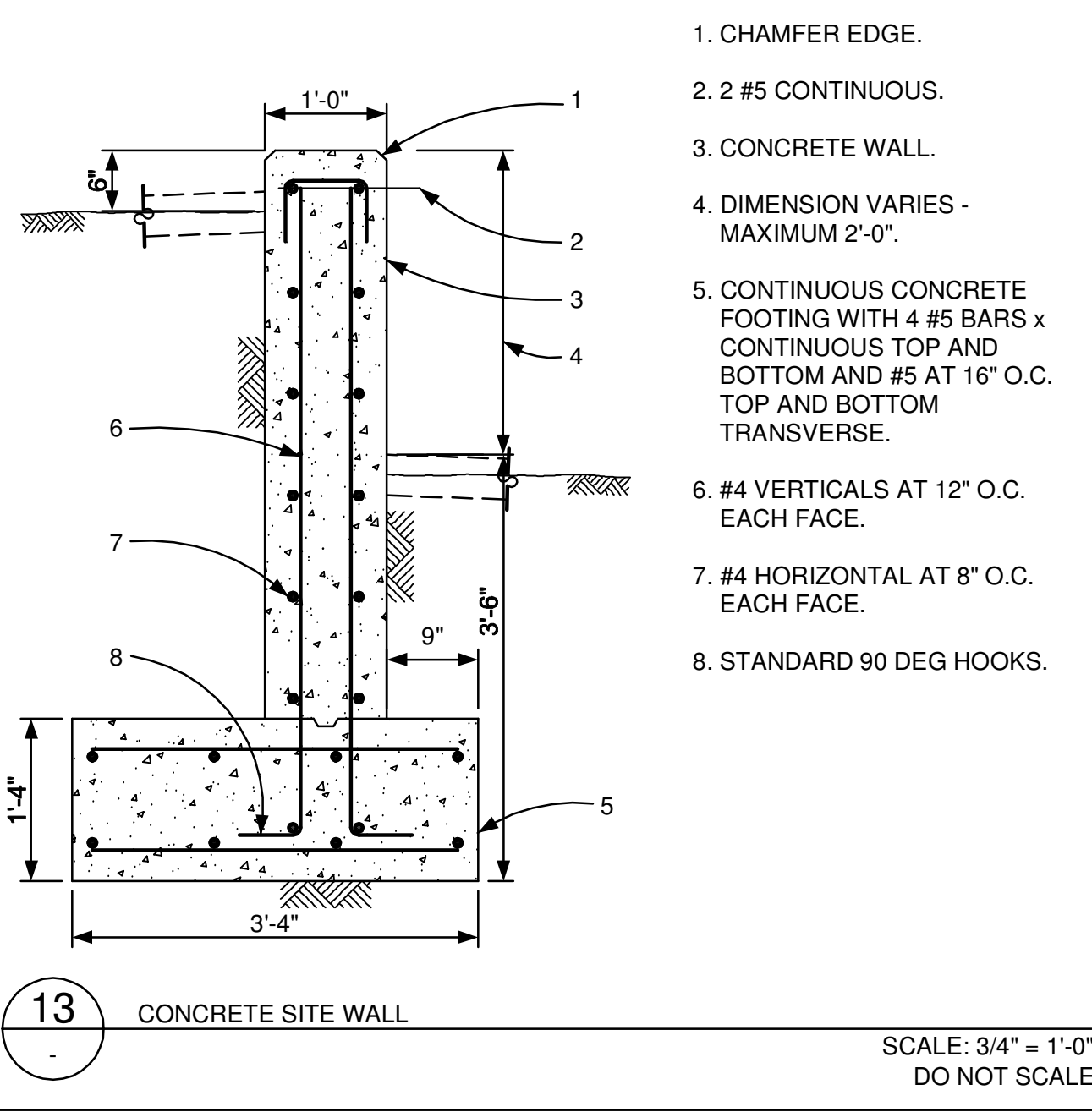
10 SLAB ON GRADE AT INTERIOR CONCRETE GRADE BEAM
SCALE: 3/4" = 1'-0"
DO NOT SCALE



11 STEP IN CONCRETE SLAB FOR TILE
SCALE: 3/4" = 1'-0"
DO NOT SCALE

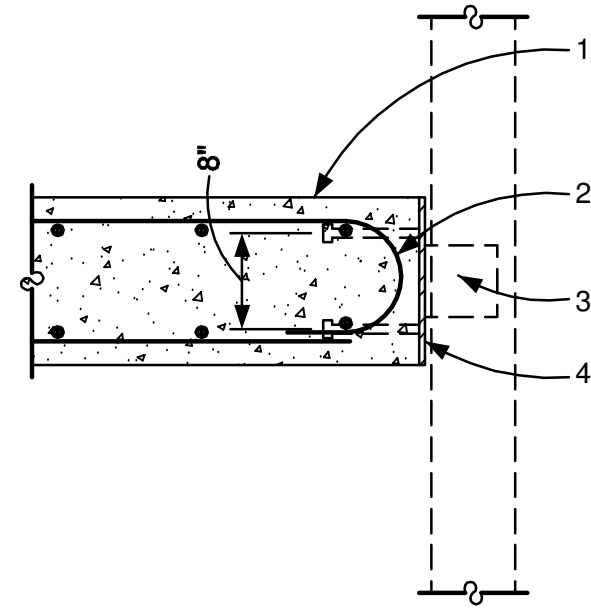


12 CONCRETE SITE WALL
SCALE: 3/4" = 1'-0"
DO NOT SCALE



13 CONCRETE SITE WALL
SCALE: 3/4" = 1'-0"
DO NOT SCALE

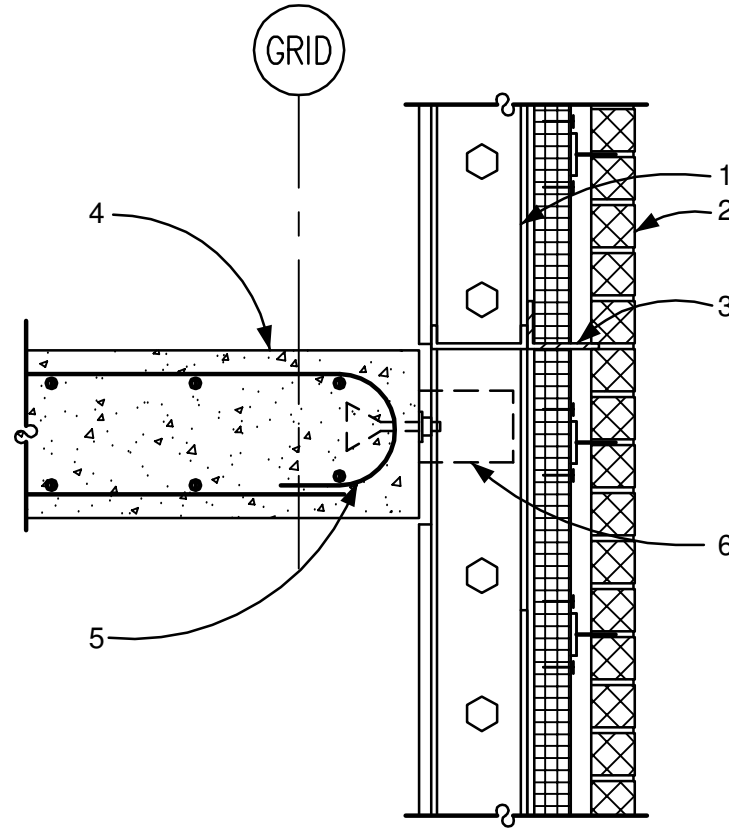
T:\2010006 UNL Web Cntr for Virology Phase I\Drafting\Details\NVS-7651.dwg Mar 28, 2012 10:52am 5081
Copyright Reserved - Paragon Structural Design, Inc. 2010 It is illegal to copy this drawing without written permission from Paragon Structural Design, Inc. Paragon Structural Design, Inc. disclaims any responsibility for its unauthorized use.



1. CONCRETE SLAB.
2. STANDARD 180 DEG HOOK.
3. CURTAIN WALL, COORDINATE ANCHORAGE OF CURTAIN WALL WITH CURTAIN WALL MANUFACTURER.
4. STEEL PLATE 1/2"x12"x12" WITH 4 - 3/4" DIA x 6" LONG HEADED STUD ANCHORS AT 8" O.C. EACH WAY. LOCATE AT EACH MULLION AS REQUIRED BY CURTAIN WALL MANUFACTURER.

1 CONCRETE SLAB AT CURTAIN WALL

SCALE: 3/4" = 1'-0"
DO NOT SCALE

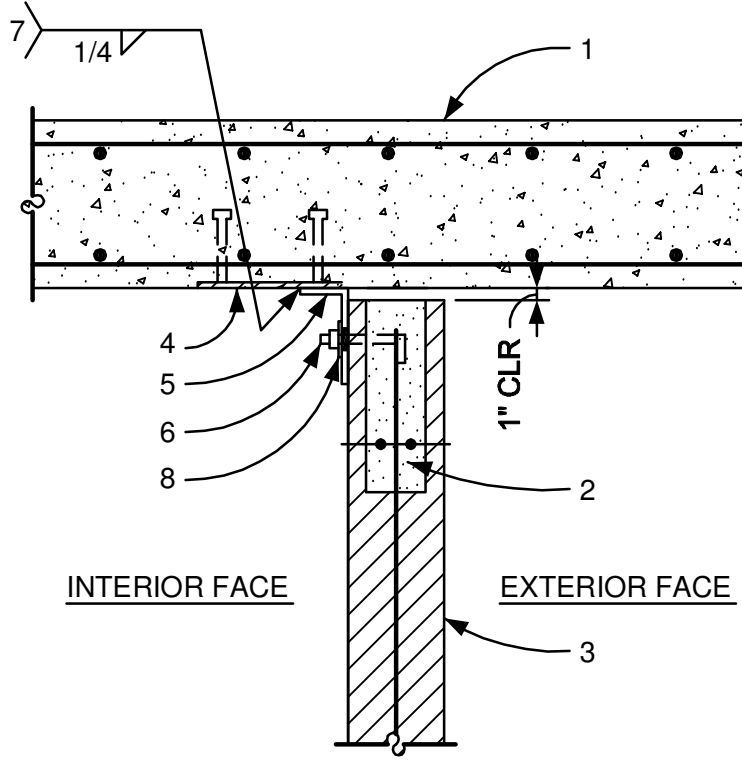


1. STEEL STUD WALL.
2. MASONRY VENEER.
3. GALVANIZED STEEL LEDGER ANGLE AT DETAIL 2A - SEE TYPICAL DETAIL 16/NVS-7603.
4. CONCRETE SLAB.
5. STANDARD 180 DEG HOOK.
6. VERTICAL SLIDE CLIP BY STEEL STUD SUPPLIER.

2 CONCRETE SLAB AT MASONRY VENEER

2A AS NOTED

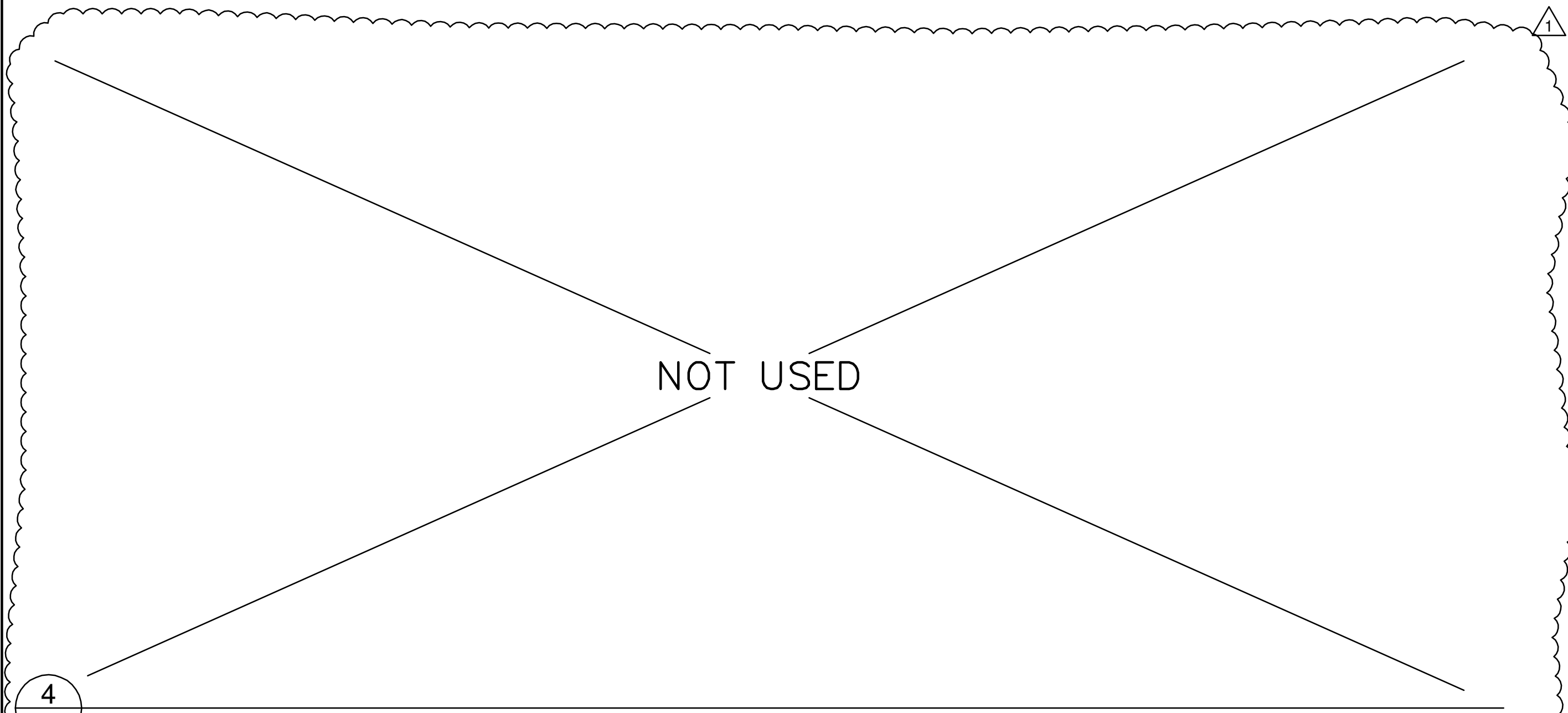
SCALE: 3/4" = 1'-0"
DO NOT SCALE



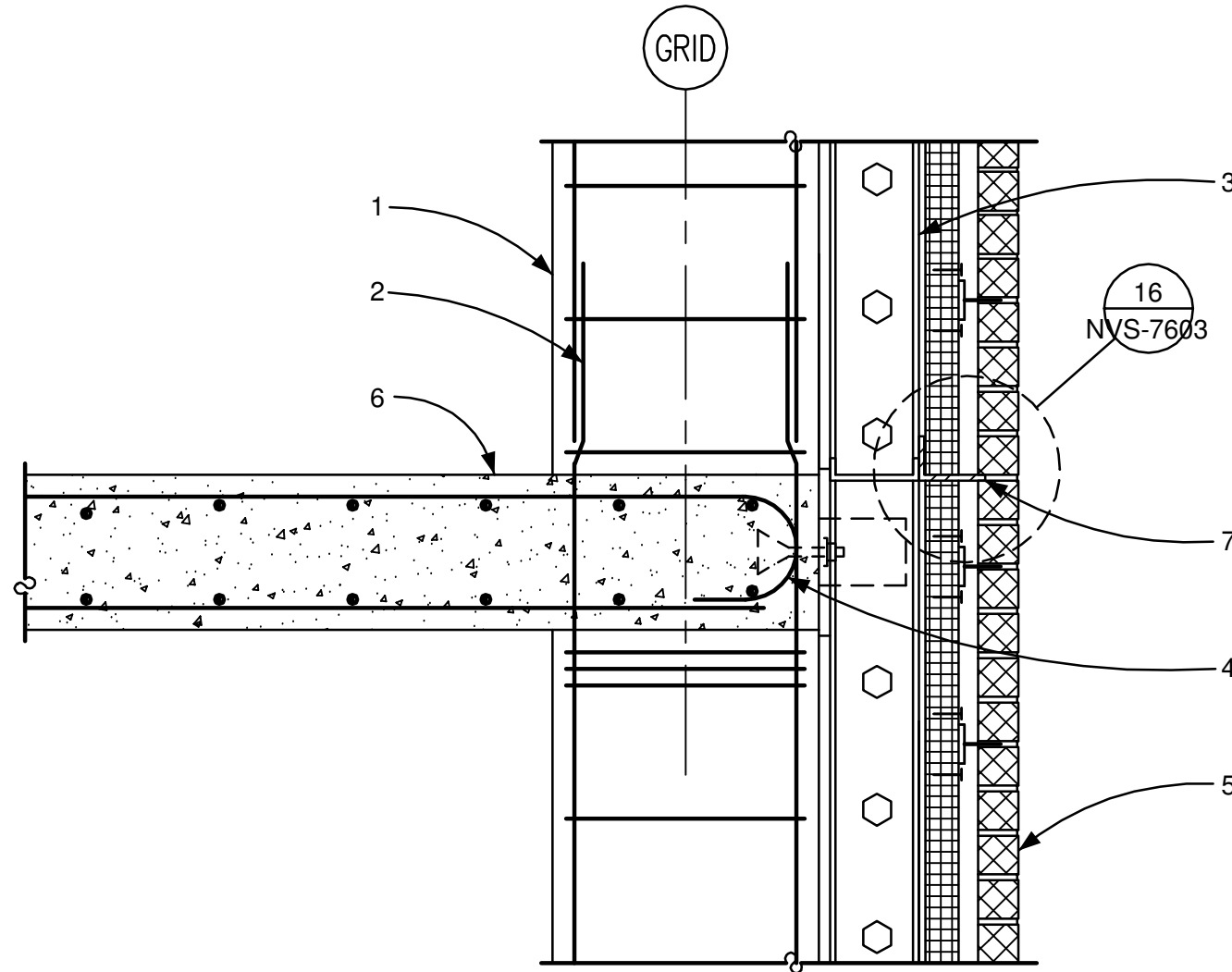
1. CONCRETE SLAB.
2. CONTINUOUS 16" GROUTED BOND BEAM.
3. MASONRY WALL.
4. STEEL PLATE 5/8"x12"x12" WITH 4 - 3/4" DIA x 6" LONG HEADED STUDS AT 8" O.C. EACH WAY. PLATE SPACING SHALL NOT EXCEED 48" O.C.
5. L8x4x1/2 (LLV) x 10" LONG AT 48" O.C.
6. 2 - 3/4" DIA ANCHOR BOLTS AT 6" O.C. IN 2" DIA HOLES.
7. WELD 3 SIDES - TYPICAL.
8. STEEL PLATE WASHER 1/4" x3"x3". DO NOT WELD.

3 MASONRY WALL AT CONCRETE SLAB

SCALE: 3/4" = 1'-0"
DO NOT SCALE



4

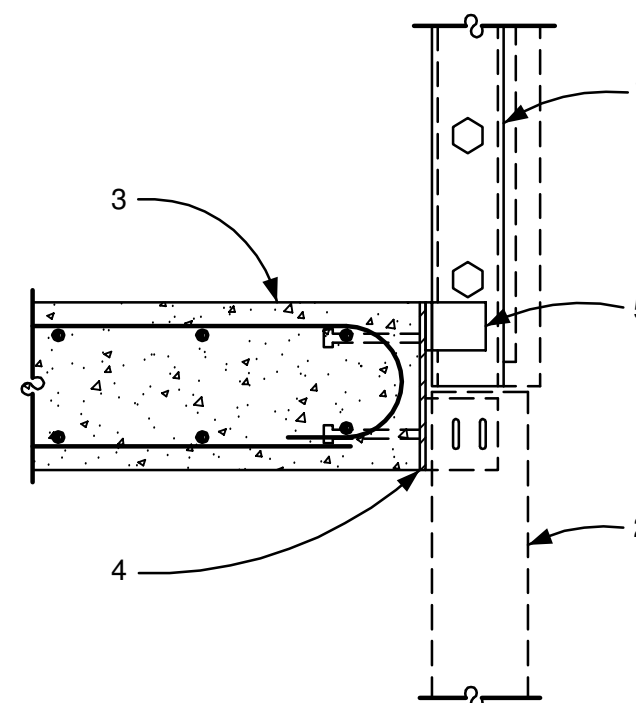


1. CONCRETE COLUMN.
2. DOWELS TO MATCH AND LAP COLUMN VERTICAL REINFORCING.
3. STEEL STUD WALL.
4. STANDARD 180 DEG HOOK.
5. MASONRY VENEER.
6. CONCRETE SLAB.
7. STEEL SHELF ANGLE AT DETAIL 5A/NVS-7651.

5 CONCRETE SLAB AT CONCRETE COLUMN

5A AS NOTED

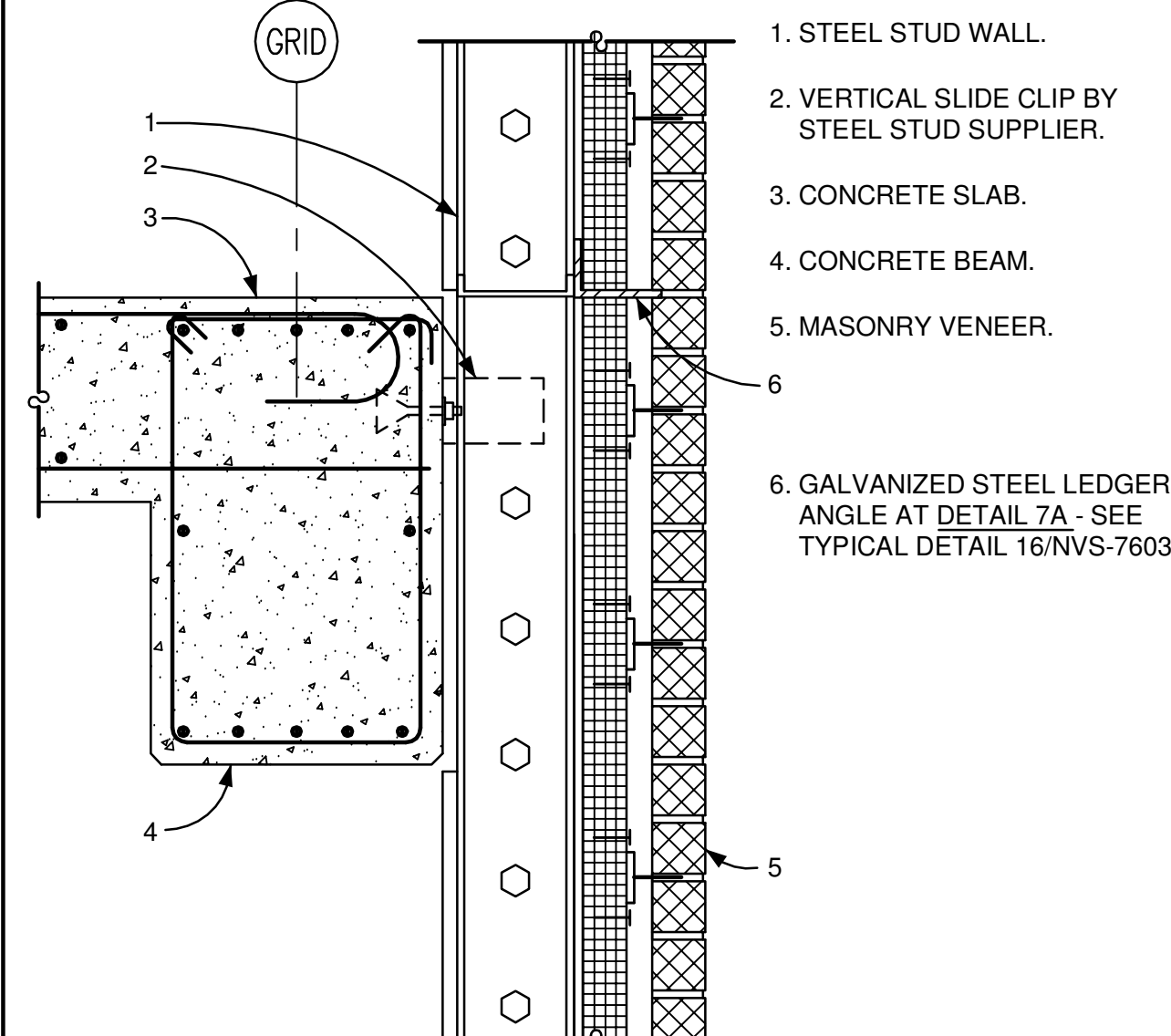
SCALE: 3/4" = 1'-0"
DO NOT SCALE



1. STEEL STUD WALL.
2. CURTAIN WALL, COORDINATE ANCHORAGE OF CURTAIN WALL WITH CURTAIN WALL MANUFACTURER.
3. CONCRETE SLAB.
4. STEEL PLATE 1/2"x12"x12" WITH 4 - 3/4" DIA x 6" LONG HEADED STUD ANCHORS AT 8" O.C. EACH WAY. LOCATE AT EACH MULLION AS REQUIRED BY CURTAIN WALL MANUFACTURER.
5. RIGID CONNECTION CLIP BY STEEL STUD SUPPLIER.

6 STEEL STUD WALL AND CURTAIN WALL AT CONCRETE SLAB

SCALE: 3/4" = 1'-0"
DO NOT SCALE

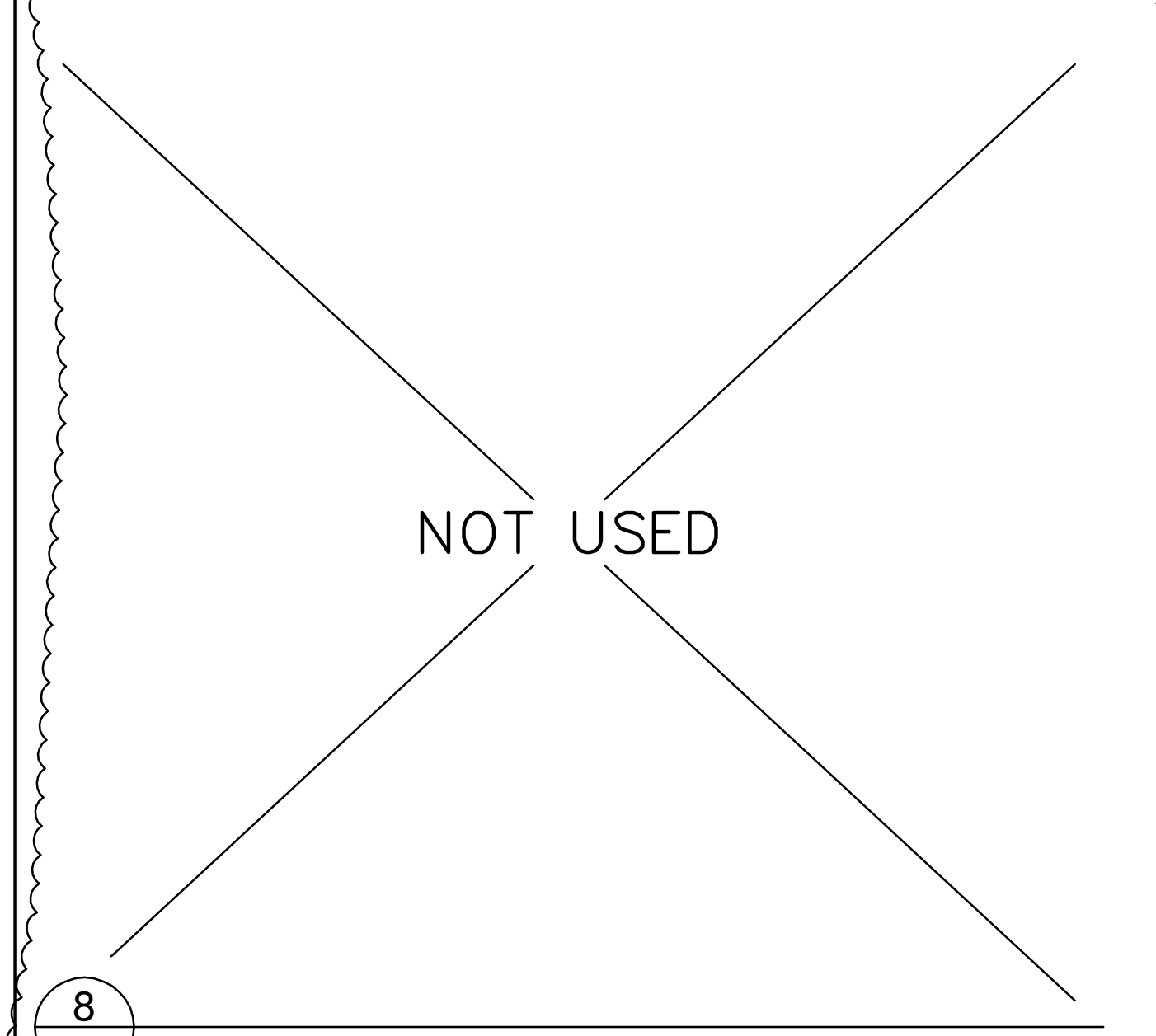


1. STEEL STUD WALL.
2. VERTICAL SLIDE CLIP BY STEEL STUD SUPPLIER.
3. CONCRETE SLAB.
4. CONCRETE BEAM.
5. MASONRY VENEER.
6. GALVANIZED STEEL LEDGER ANGLE AT DETAIL 7A - SEE TYPICAL DETAIL 16/NVS-7603.

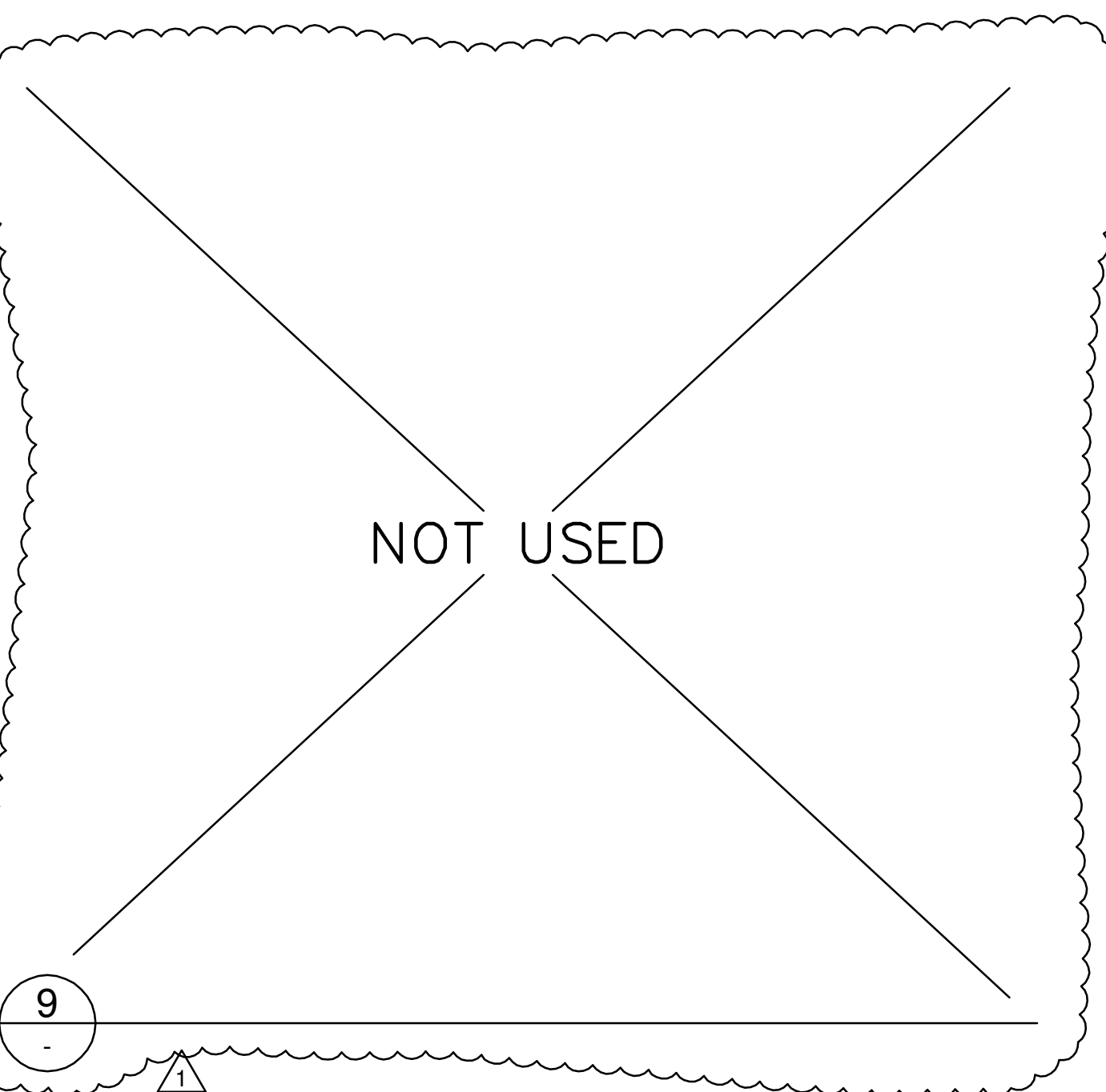
7 MASONRY VENEER AT CONCRETE BEAM

7A AS NOTED

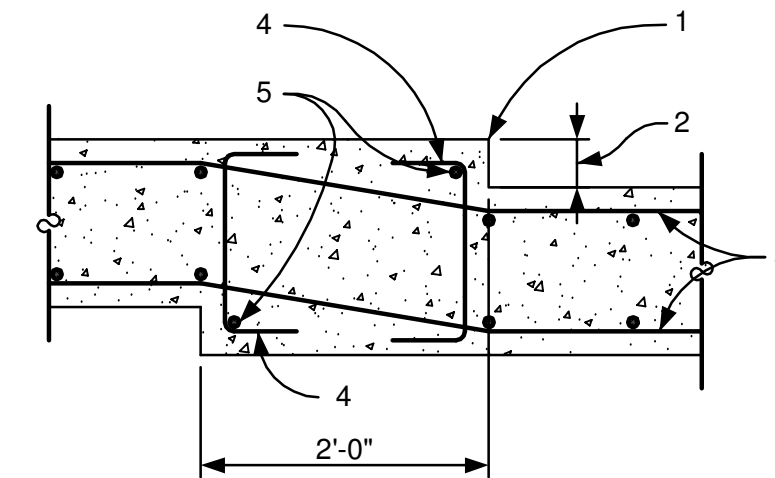
SCALE: 1" = 1'-0"
DO NOT SCALE



8



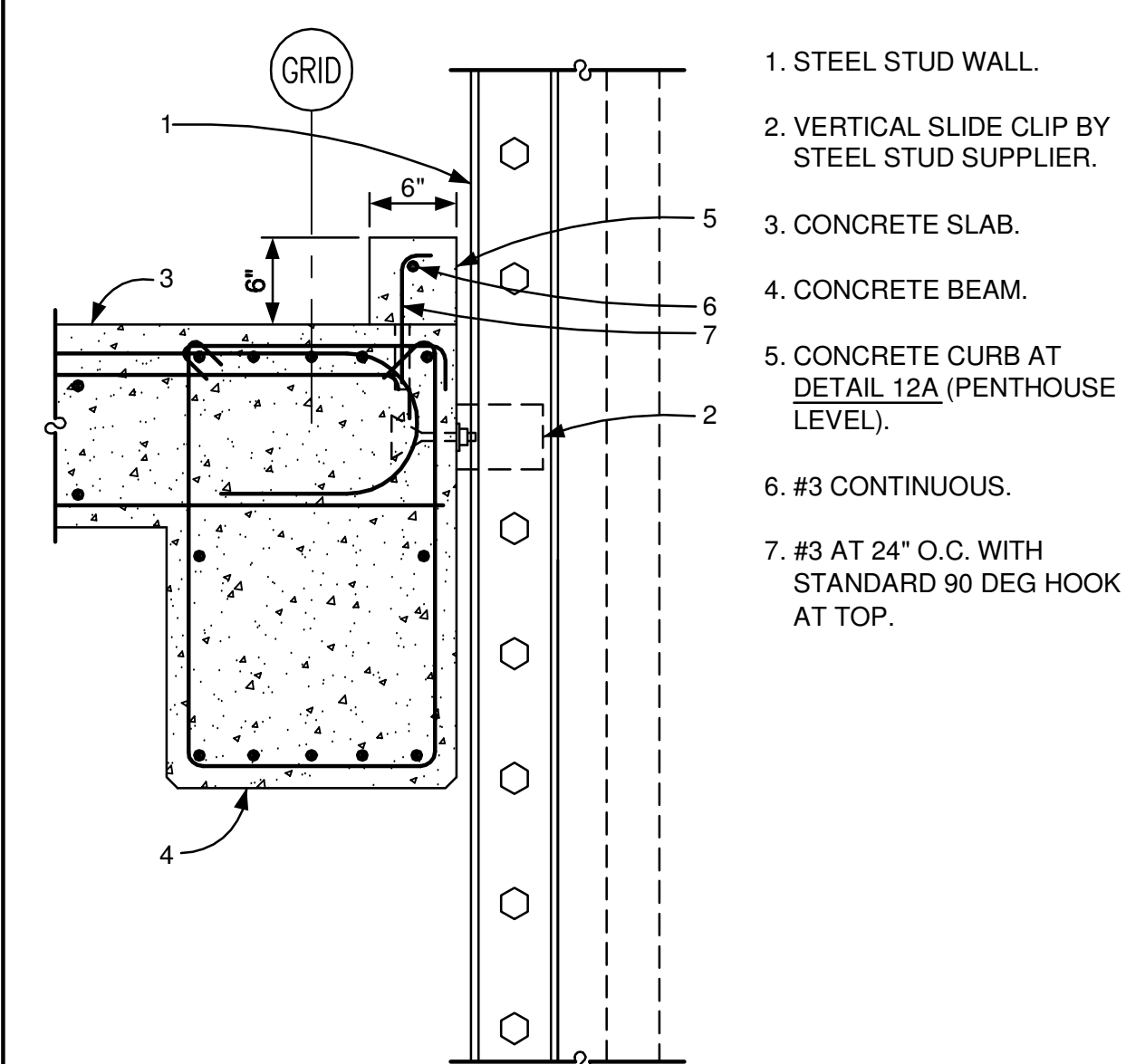
9



1. CONCRETE SLAB.
2. FOR DIMENSION SEE PLAN.
3. REINFORCING CONTINUOUS THROUGH STEP IN SLAB.
4. #4 AT 12" O.C. WITH STANDARD 90 DEG HOOK EACH END.
5. #5 PERIMETER BAR.

11 DEPRESSION AT CONCRETE SLAB

SCALE: 3/4" = 1'-0"
DO NOT SCALE

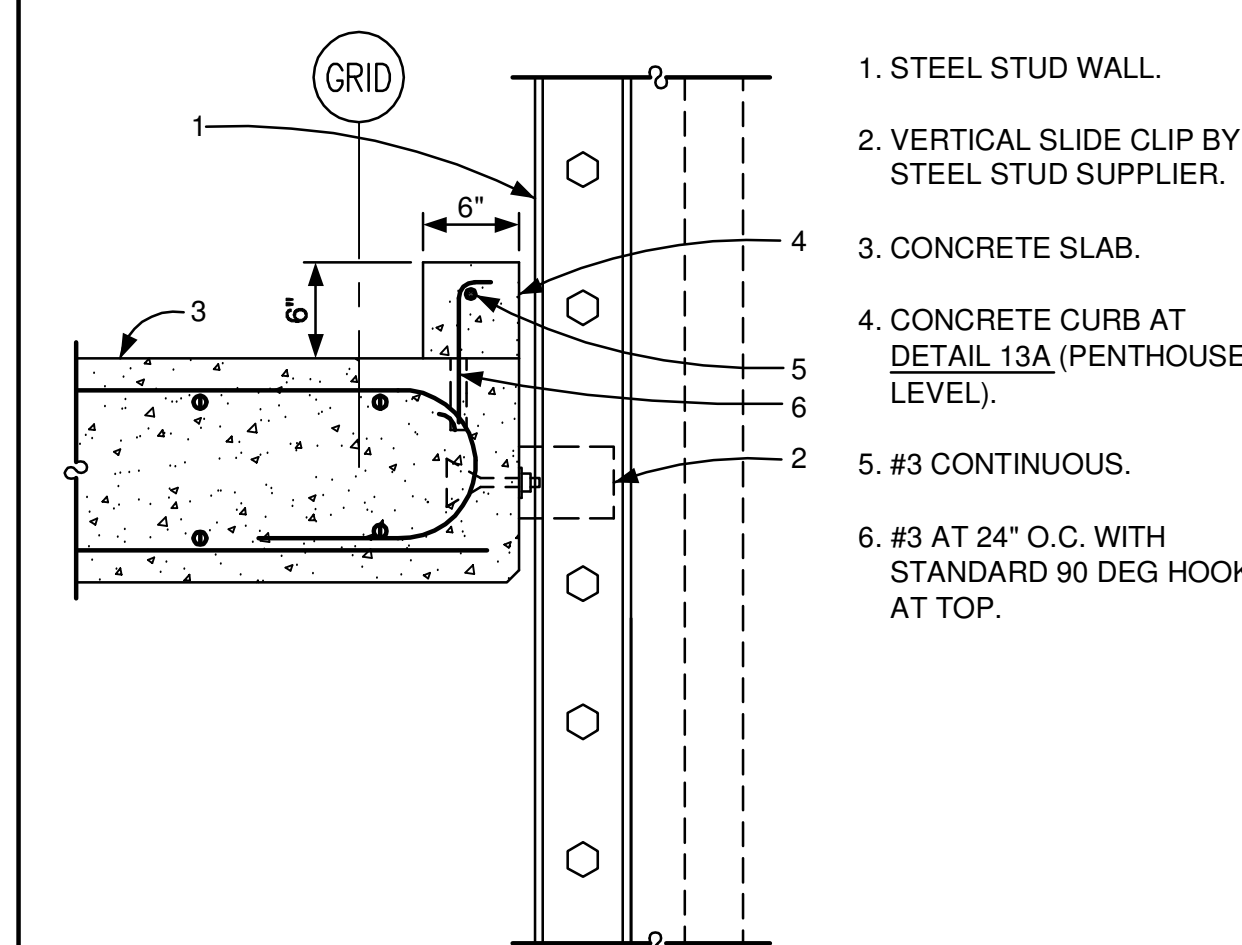


1. STEEL STUD WALL.
2. VERTICAL SLIDE CLIP BY STEEL STUD SUPPLIER.
3. CONCRETE SLAB.
4. CONCRETE BEAM.
5. CONCRETE CURB AT DETAIL 12A (PENTHOUSE LEVEL).
6. #3 CONTINUOUS.
7. #3 AT 24" O.C. WITH STANDARD 90 DEG HOOK AT TOP.

12 STEEL STUD WALL AT CONCRETE BEAM

12A AS NOTED

SCALE: 1" = 1'-0"
DO NOT SCALE

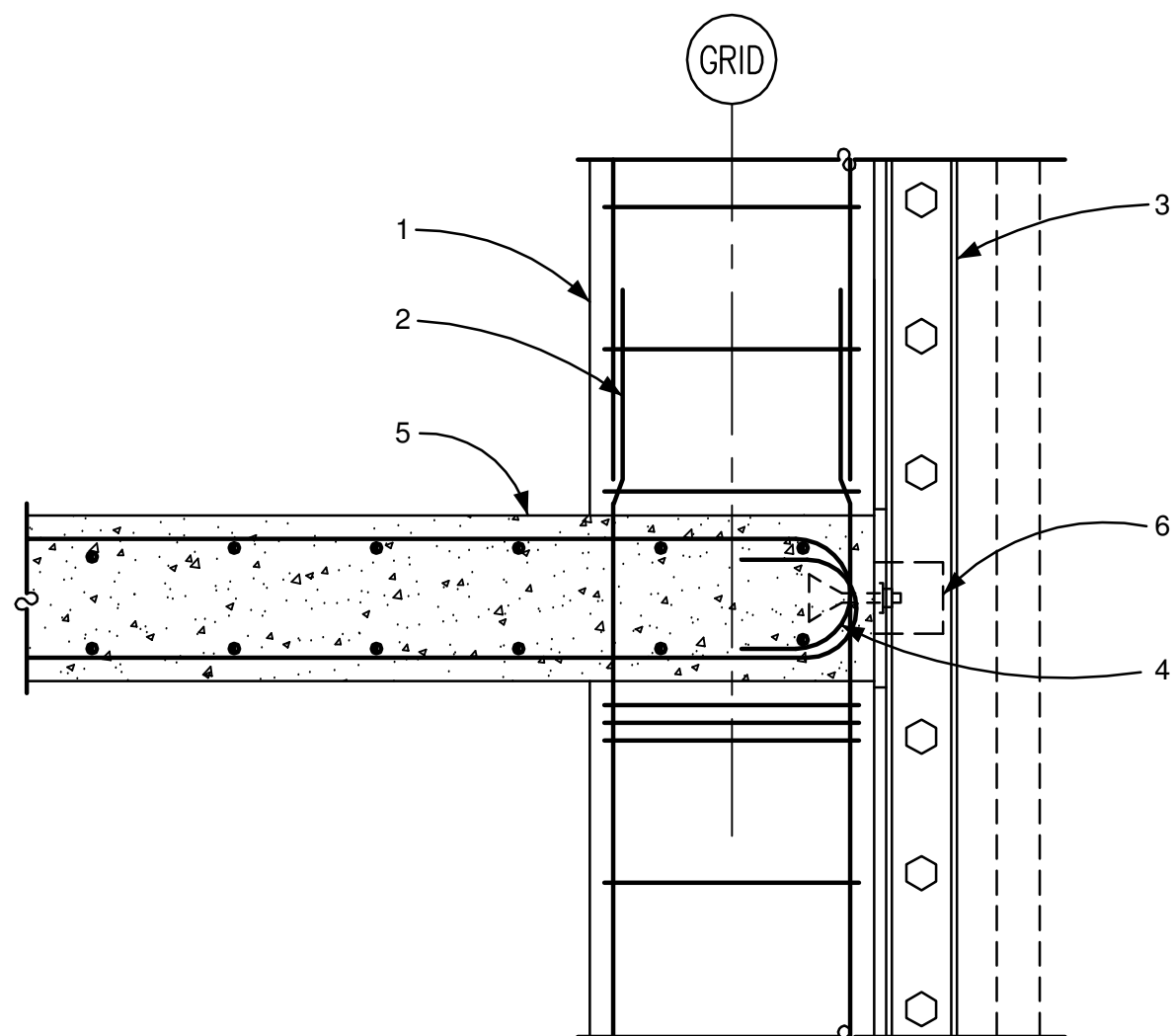


1. STEEL STUD WALL.
2. VERTICAL SLIDE CLIP BY STEEL STUD SUPPLIER.
3. CONCRETE SLAB.
4. CONCRETE CURB AT DETAIL 13A (PENTHOUSE LEVEL).
5. #3 CONTINUOUS.
6. #3 AT 24" O.C. WITH STANDARD 90 DEG HOOK AT TOP.

13 STEEL STUD WALL AT CONCRETE SLAB

13A AS NOTED

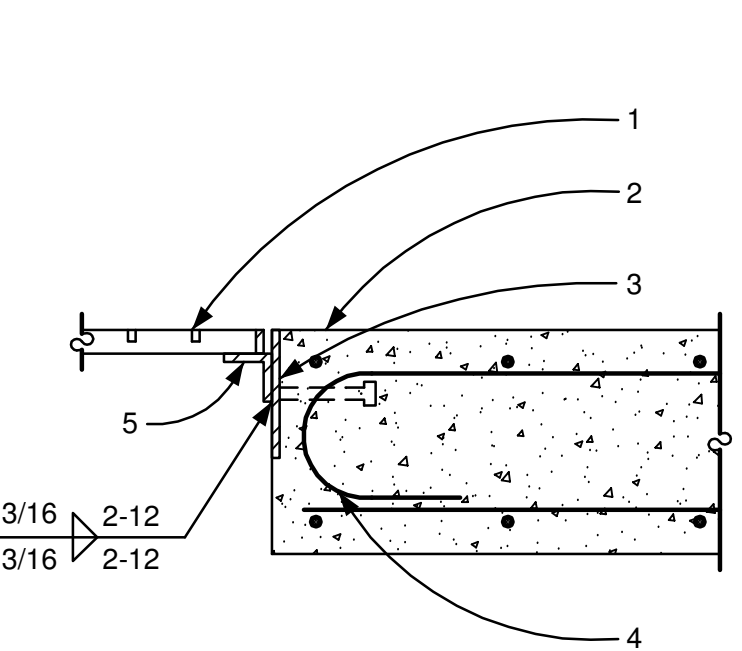
SCALE: 1" = 1'-0"
DO NOT SCALE



1. CONCRETE COLUMN.
2. DOWELS TO MATCH AND LAP COLUMN VERTICAL REINFORCING.
3. STEEL STUD WALL.
4. STANDARD 180 DEG HOOK.
5. CONCRETE SLAB.
6. VERTICAL SLIDE CLIP BY STEEL STUD SUPPLIER.

14 CONCRETE SLAB AT CONCRETE COLUMN

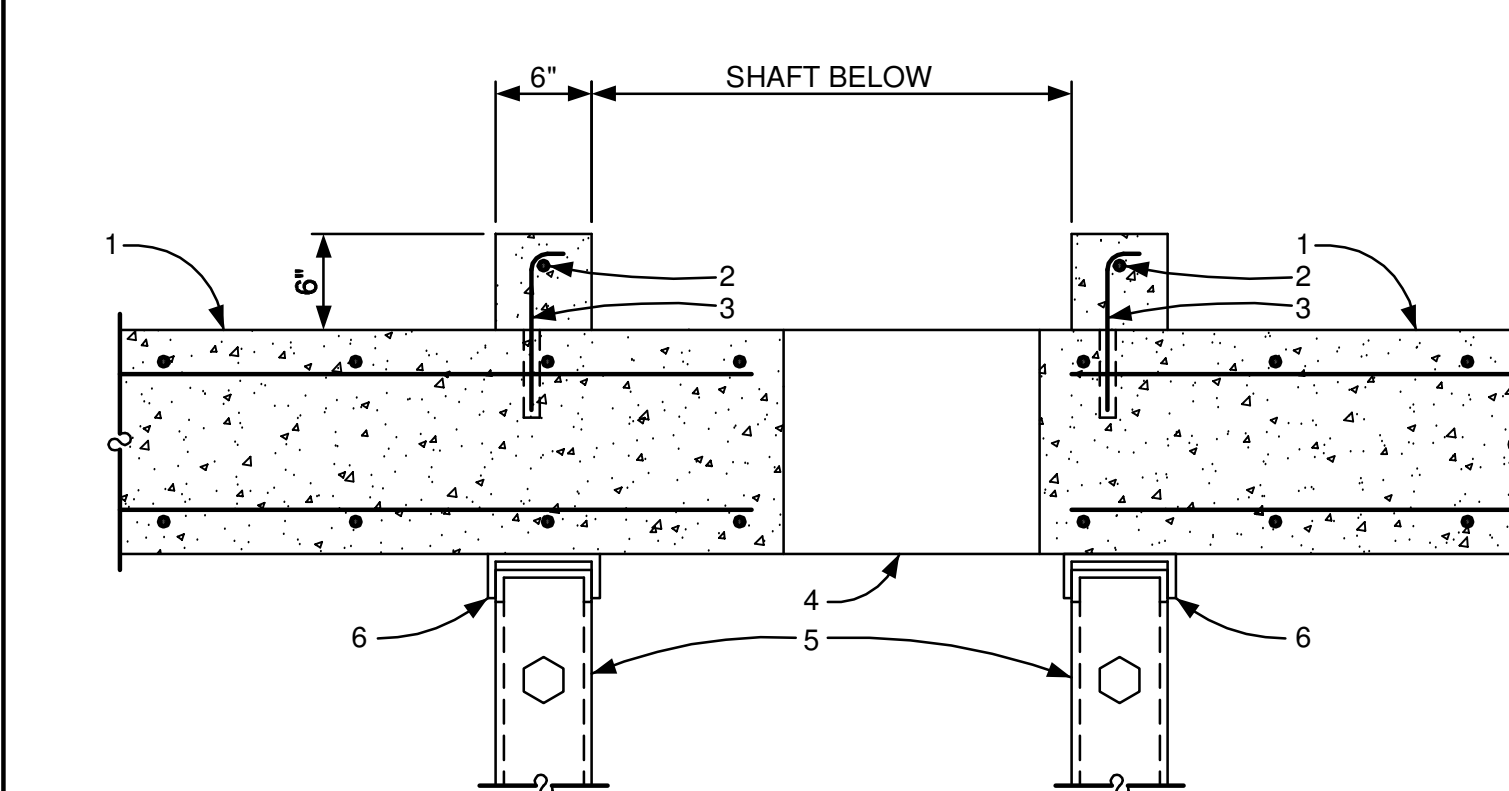
SCALE: 3/4" = 1'-0"
DO NOT SCALE



1. GALVANIZED STEEL GRATING FASTENED TO SUPPORTS WITH GRATING CLIPS.
2. CONCRETE SLAB.
3. CONTINUOUS STEEL PLATE 3/8" x 8" WITH 3/4" DIA HEADED STUD ANCHORS AT 24" O.C.
4. STANDARD 180 DEG HOOK.
5. CONTINUOUS L3x3x3/8.

15 STEEL GRATING AT SHAFT

SCALE: 1" = 1'-0"
DO NOT SCALE



1. CONCRETE SLAB.
2. #3 CONTINUOUS.
3. #3 AT 12" O.C. WITH STANDARD 90 DEG HOOK.
4. ISOLATED PENETRATION IN CONCRETE SLAB.
5. SHAFT WALL.
6. TOP TRACK DEFLECTION HEAD.

16 CONCRETE CURB AT MECHANICAL SHAFT AT PENTHOUSE

SCALE: 1" = 1'-0"
DO NOT SCALE

PARAGON
STRUCTURAL DESIGN, INC.
101 North First Avenue, Suite 2600
Phoenix, Arizona 85003
PHONE: 602-258-0011 FAX: 602-258-0033
www.paragonstr.com

IDC ARCHITECTS
2020 SW Fourth Ave, Third Floor
Portland, Oregon 97201
www.idcarchitects.com

DESIGNED BY:
DB

DRAWN BY:
RJ

CHECKED BY:
PW

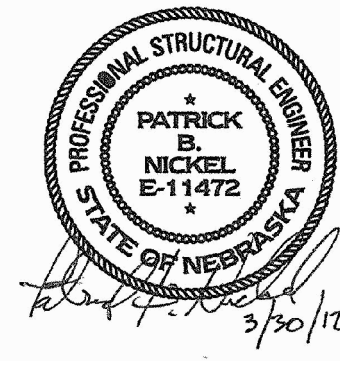
DATE:
March 30, 2012

PROJECT NO:
102002

SHEET TITLE
STRUCTURAL
FRAMING
DETAILS

SHEET NO
NVS-7651

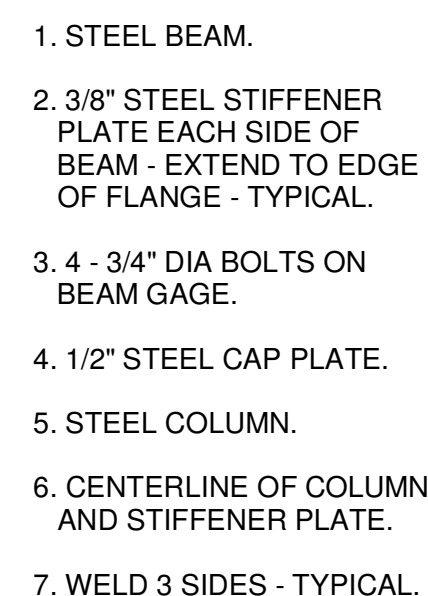
FARRIS
ENGINEERING
OMAHA | LINCOLN | DES MOINES | COLORADO SPRINGS
farris-usa.com



Copyright: This document and the information contained herein may not be reproduced or retransmitted in any form without express written permission of FARRIS ENGINEERING. All rights reserved. Disclosure or construction use are prohibited by the copyright law.

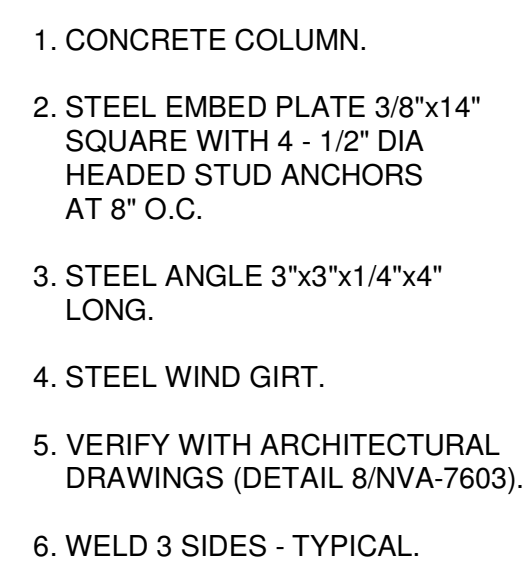
REVISIONS
ADDM 3 03-30-2012

KEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION
UNIVERSITY OF
Nebraska
Lincoln



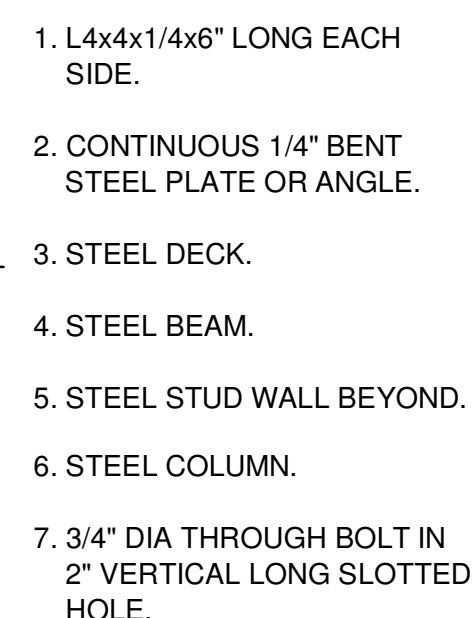
1 STEEL BEAM CONNECTION AT STEEL COLUMN
FILE:415-01

SCALE: 1" = 1'-0"
DO NOT SCALE



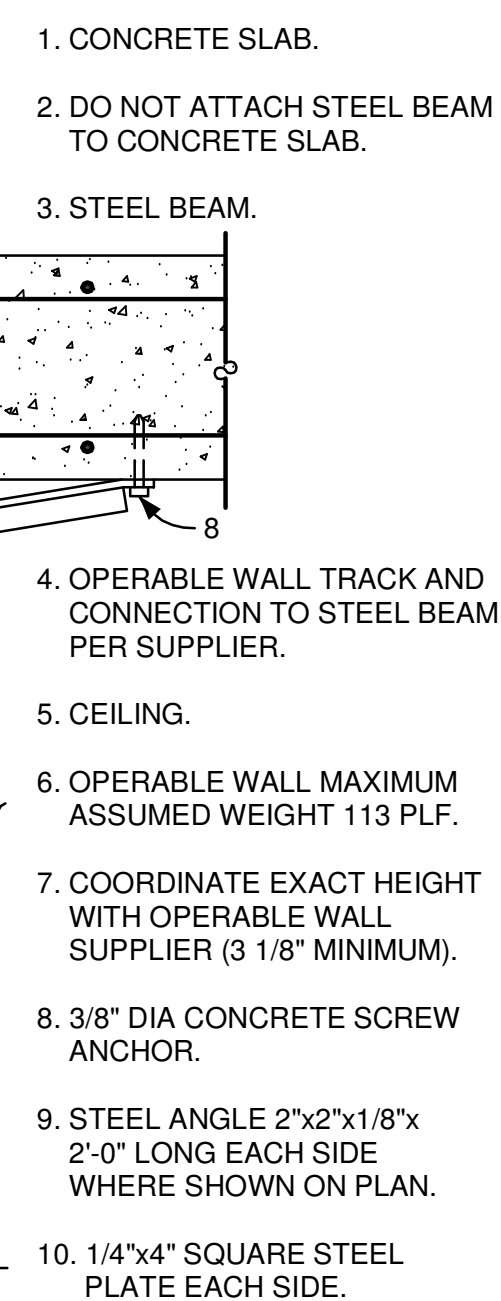
5 STEEL WIND GIRT AT CONCRETE COLUMN

SCALE: 1" = 1'-0"
DO NOT SCALE



3 STEEL BEAM AT STEEL COLUMN

SCALE: 1" = 1'-0"
DO NOT SCALE



6 STEEL BEAM AT OPERABLE WALL TRACK

SCALE: 1" = 1'-0"
DO NOT SCALE

NOT USED

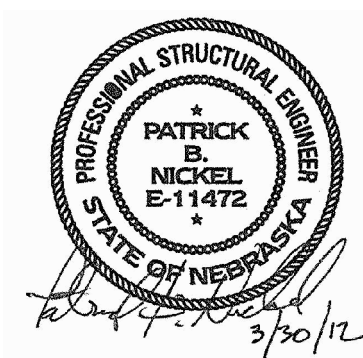
NOT USED

NOT USED

11

**FARRIS
ENGINEERING**

OMAHA | LINCOLN | DES MOINES | COLORADO SPRINGS
farris-usa.com



COPYRIGHT: This document and the information contained may not be reproduced or excerpted from without express written permission of FARRIS ENGINEERING, INC. Unauthorized copying, disclosure or construction use are prohibited by the copyright law.

1 **REVISIONS** **ADPM 3 03-30-2012**

WIKEN MORRISON LIFE SCIENCES
RESEARCH CENTER ADDITION

UNIVERSITY OF
Nebraska
Lincoln

DESIGNED BY: DB

DRAWN BY: RJ

CHECKED BY: PW

DATE: March 30, 2012

PROJECT NO:

SHEET TITLE
STRUCTURAL
ROOF FRAMING
DETAILS

SHEET NO
NVS-7661

P A R  G O N
STRUCTURAL DESIGN, INC.

101 North First Avenue, Suite 260
Phoenix, Arizona 85003

PHONE: 602-258-0011 FAX: 602-258-0033
www.paragonet.com

www.paragonstr.com

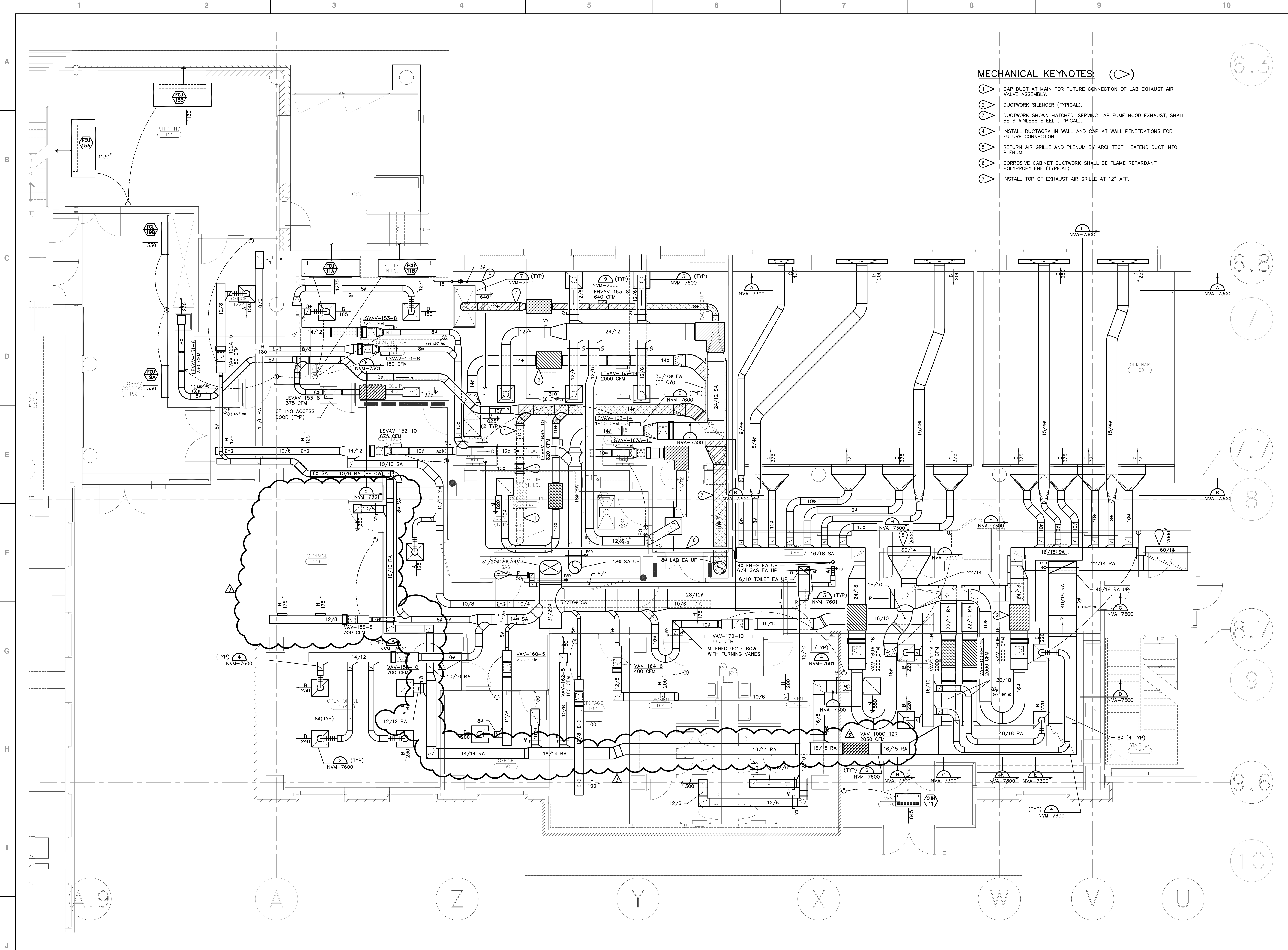
IDC ARCHITECTS

2020 SW Fourth Ave, 1



IDC ARCHITECTS
2020 SW Fourth Ave., Third Floor

2020 SW Fourth Ave, Third Floor
Portland, Oregon 97201
www.idcarchitects.com



MECHANICAL KEYNOTES:

- 1 CAP DUCT AT MAIN FOR FUTURE CONNECTION OF LAB EXHAUST AIR VALVE ASSEMBLY.
- 2 DUCTWORK SILENCER (TYPICAL).
- 3 DUCTWORK SHOWN HATCHED, SERVING LAB FUME HOOD EXHAUST, SHALL BE STAINLESS STEEL (TYPICAL).
- 4 INSTALL DUCTWORK IN WALL AND CAP AT WALL PENETRATIONS FOR FUTURE CONNECTION.
- 5 RETURN AIR GRILLE AND PLENUM BY ARCHITECT. EXTEND DUCT INTO PLENUM.
- 6 CORROSIVE CABINET DUCTWORK SHALL BE FLAME RETARDANT POLYPROPYLENE (TYPICAL).
- 7 INSTALL TOP OF EXHAUST AIR GRILLE AT 12" AFF.

MECHANICAL - HVAC SECTOR E FIRST LEVEL FLOOR PLAN

SCALE: 1/4" = 1' FOOT

FARRIS ENGINEERING
OMAHA | LINCOLN | DES MOINES | COLORADO SPRINGS
farris-usa.com

JOHN A. FARRIS
Professional Engineer
No. 5867
State of Nebraska

CONSENT: The Engineer and his firm consent to the use of this information for the project described herein without further written permission of FARRIS ENGINEERING. Any other use without the written permission of FARRIS ENGINEERING is prohibited by the copyright law.

REVISIONS

ADDM	3	3-30-2012
------	---	-----------

DESIGNED BY:
GTK

DRAWN BY:
DMM

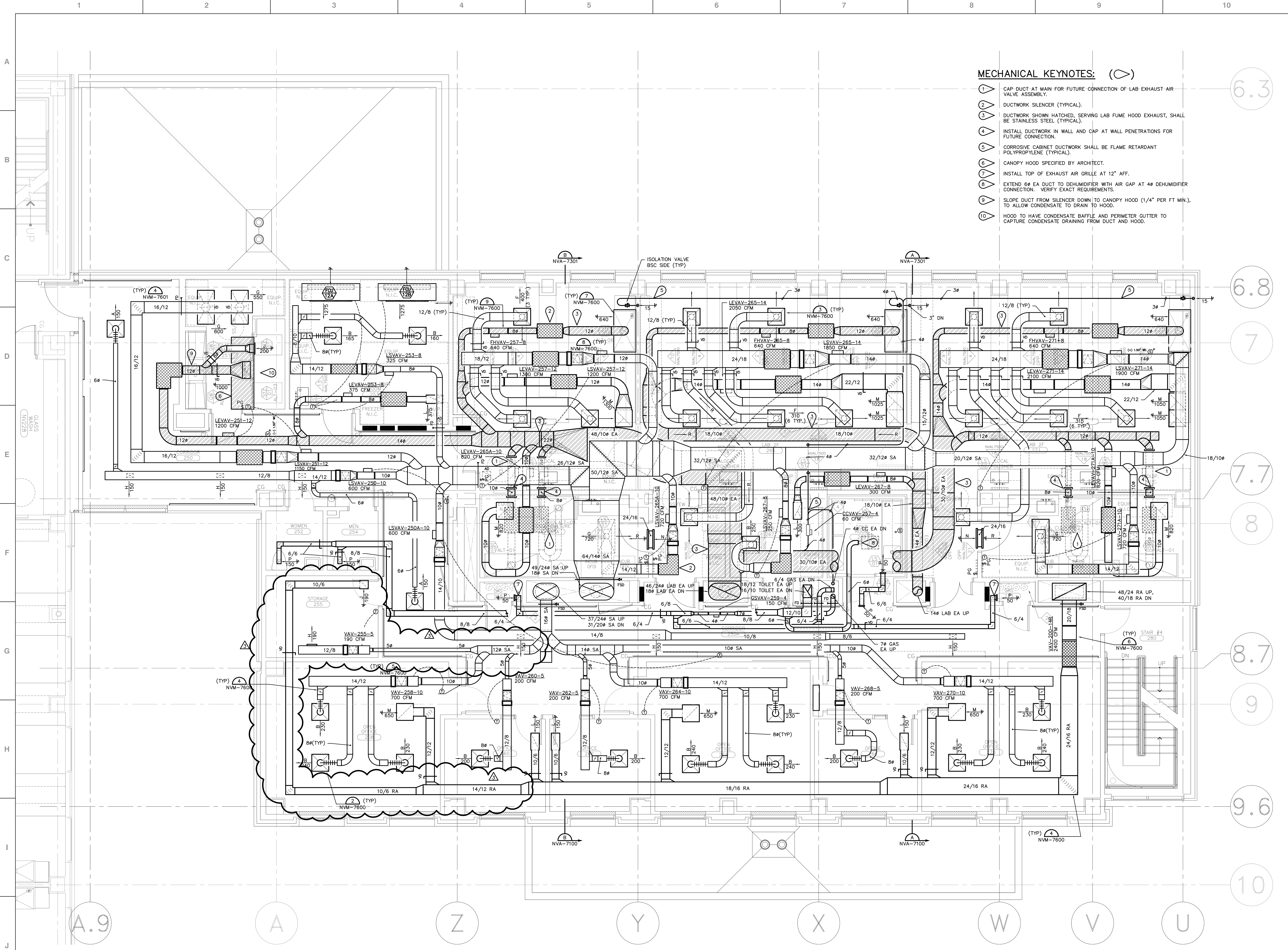
CHECKED BY:
GTK

DATE:
MAY 26, 2011

PROJECT NO:
102002

SHEET TITLE
MECHANICAL - HVAC
SECTOR E
FIRST LEVEL
FLOOR PLAN

SHEET NO
NVMH1-E-



MECHANICAL KEYNOTES: ()

- 1 CAP DUCT AT MAIN FOR FUTURE CONNECTION OF LAB EXHAUST AIR VALVE ASSEMBLY.
- 2 DUCTWORK SILENCER (TYPICAL).
- 3 DUCTWORK SHOWN HATCHED, SERVING LAB FUME HOOD EXHAUST, SHALL BE STAINLESS STEEL (TYPICAL).
- 4 INSTALL DUCTWORK IN WALL AND CAP AT WALL PENETRATIONS FOR FUTURE CONNECTION.
- 5 CORROSIVE CABINET DUCTWORK SHALL BE FLAME RETARDANT POLYPROPYLENE (TYPICAL).
- 6 CANOPY HOOD SPECIFIED BY ARCHITECT.
- 7 INSTALL TOP OF EXHAUST AIR GRILLE AT 12" AFF.
- 8 EXTEND 6" EA DUCT TO DEHUMIDIFIER WITH AIR GAP AT 4" DEHUMIDIFIER CONNECTION. VERIFY EXACT REQUIREMENTS.
- 9 SLOPE DUCT FROM SILENCER DOWN TO CANOPY HOOD (1/4" PER FT MIN.), TO ALLOW CONDENSATE TO DRAIN TO HOOD.
- 10 HOOD TO HAVE CONDENSATE BAFFLE AND PERIMETER GUTTER TO CAPTURE CONDENSATE DRAINING FROM DUCT AND HOOD.

MECHANICAL - HVAC SECTOR E SECOND LEVEL FLOOR PLAN

SCALE: 1/4" = 1 FOOT
12" 0 5'

FARRIS ENGINEERING
OMAHA | LINCOLN | DES MOINES | COLORADO SPRINGS
farris-usa.com

JOHN A. FARRIS
Professional Engineer
No. 5857
State of Nebraska

CONSENT: This document and the information contained herein are the property of Farris Engineering, Inc. and are not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Farris Engineering, Inc. Any disclosure or construction use is prohibited by the copyright law.

REVISIONS
ADDN 3 3-30-2012

DESIGNED BY:
GTK

DRAWN BY:
DMM

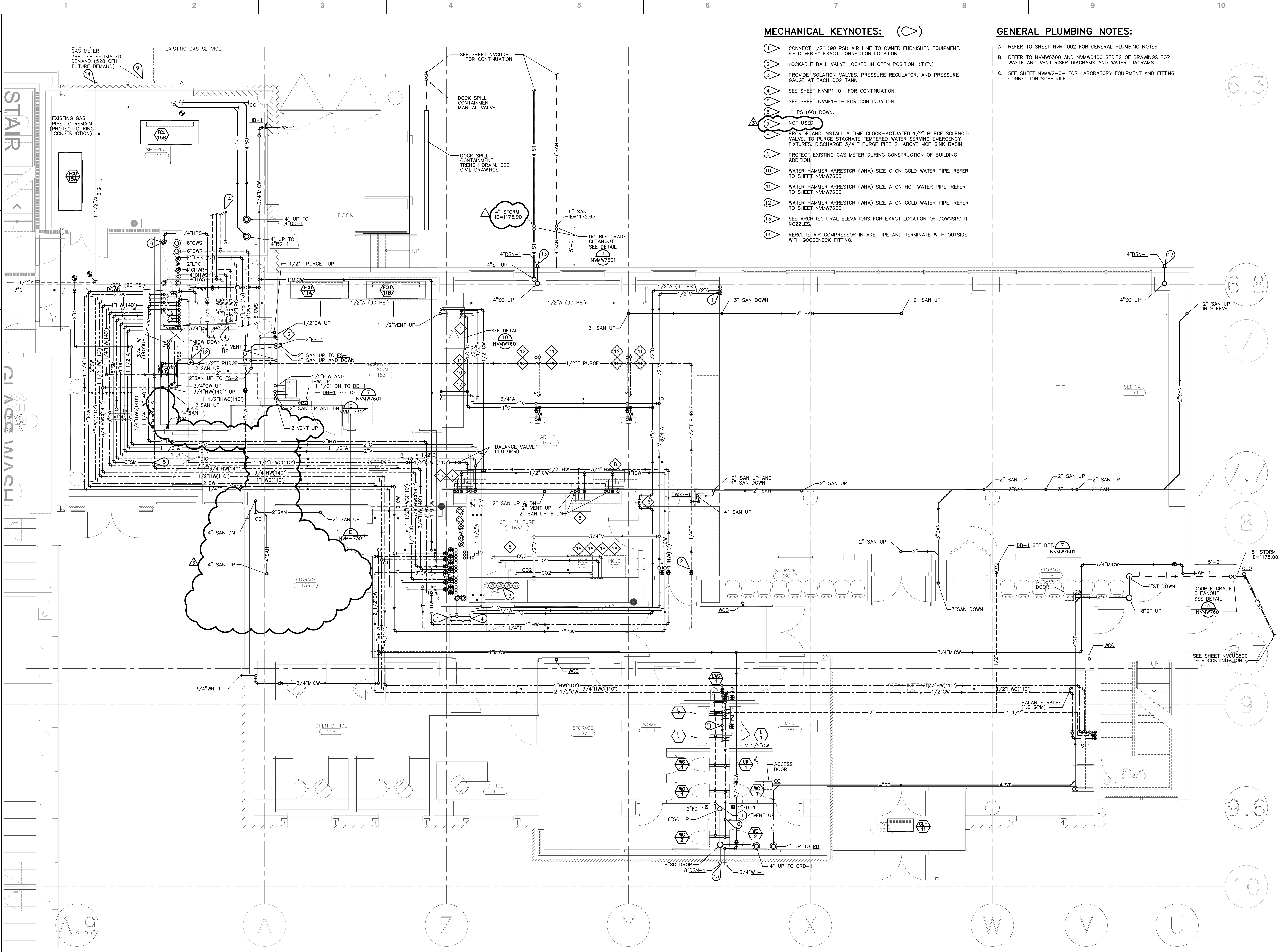
CHECKED BY:
GTK

DATE:
MAY 26, 2011

PROJECT NO:
102002

SHEET TITLE
MECHANICAL - HVAC
SECTOR E
SECOND LEVEL
FLOOR PLAN

SHEET NO
NVMH2-E-



MECHANICAL KEYNOTES: (C)

- CONNECT 1/2" (90 PSI) AIR LINE TO OWNER FURNISHED EQUIPMENT. FIELD VERIFY EXACT CONNECTION LOCATION.
- LOCKABLE BALL VALVE LOCKED IN OPEN POSITION. (TYP.)
- PROVIDE ISOLATION VALVES, PRESSURE REGULATOR, AND PRESSURE GAUGE AT EACH CO2 TANK.
- SEE SHEET NVMP1-0- FOR CONTINUATION.
- SEE SHEET NVMF1-0- FOR CONTINUATION.
- 1"HPS (60) DOWN.
- NOT USED.
- PROVIDE AND INSTALL A TIME CLOCK-ACTUATED 1/2" PURGE SOLENOID VALVE, TO PURGE STAGNATE TEMPERED WATER SERVING EMERGENCY FIXTURES. DISCHARGE 3/4" T PURGE PIPE 2" ABOVE MOP SINK BASIN.
- PROTECT EXISTING GAS METER DURING CONSTRUCTION OF BUILDING ADDITION.
- WATER HAMMER ARRESTOR (WHA) SIZE C ON COLD WATER PIPE. REFER TO SHEET NVMW7600.
- WATER HAMMER ARRESTOR (WHA) SIZE A ON HOT WATER PIPE. REFER TO SHEET NVMW7600.
- WATER HAMMER ARRESTOR (WHA) SIZE A ON COLD WATER PIPE. REFER TO SHEET NVMW7600.
- SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DOWNSPOUT NOZZLES.
- REROUTE AIR COMPRESSOR INTAKE PIPE AND TERMINATE WITH OUTSIDE WITH GOOSENECK FITTING.

GENERAL PLUMBING NOTES:

- REFER TO SHEET NVM-002 FOR GENERAL PLUMBING NOTES.
- REFER TO NVMW0300 AND NVMW0400 SERIES OF DRAWINGS FOR WASTE AND VENT RISER DIAGRAMS AND WATER DIAGRAM.
- SEE SHEET NVMW2-0- FOR LABORATORY EQUIPMENT AND FITTING CONNECTION SCHEDULE.